### RENEWAL AND MODIFICATION STANDARD BROADCAST STATION LICENSE

File No.: BR-452

Call Sign: K W K H

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, -the LICENSEE

### INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time JUNE 1, 1979

The licensee shall use and operate said apparatus only in accordance with the following terms:

- 1. On a frequency of 1130 kHz.
- 2. With nominal power of 50 kilo watts nighttime and 50 kilowatts daytime, with antenna input power of 52.6 kilo watts --- directional Common Point 12.1 Current amperes antenna nighttime ..... Common Point resistance 357 ohms, and antenna input power of 50 kilo watts non directional Antenna 22.9 Current amberes antenna daytime ..... \_ Antenna resistance 95
- 3. Hours of operation: Unlimited Time.

Average hours of sunrise and sunset:

Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm; Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm; May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm; July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;

Sep. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm; Nov. 6:45 am to 5:15 pm; Dec, 7:15 am to 5:15 pm;

Central Standard Time (Non-Advanced).

- 4. With the station located at: Shreveport, Louisiana
- 5. With the main studio located at: Petroleum Tower, Texas and Edwards Streets, Shreveport, Louisiana
- 6. Remote control point: --
- 7. Transmitter location: Gamm Road, Near Dixie, Louisiana

18" North Latitude: West Longitude:

- 8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12\* & 21.
- .9. \*Modified to require side lights at the 375', 275', 175', and 75' levels.
- RCA, BTA-50-F1 10. Conditions: (SEE PAGE 1A.)

This supersedes authorization issued same date to put on Long Form and add Pages Two & Three.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period,

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

1) This license consists of this page and pages 1A, 2 & 3.

FEDERAL COMMUNICATIONS COMMISSION



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LEGRAPHIC MESSAGE	PRECEDENCE	SECURITY CLASSIFICATION
FEDERAL COMMUNICATIONS COMMISSION	ACTION: NL	
	DATE PREPARED	TYPE OF MESSAGE
CCOUNTING CLASSIFICATION	7/8 5/77 12:25	SINGLE
FOR INFORMATION CALL	114 51 11	→ D BOOK
	PHONE NUMBER	MULTIPLE-ADDRESS
AURAL EXISTING Facilities Bran	ch 632-7010	
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KWKH-	PAGE NO. NO.	

File No.: BR-452

Call Sign: KWKH

Dete: 1-6-77

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

No. and Type of Elements: Three guyed, uniform cross-section, vertical radiators, a 54° FM antenna included in the height of the southwest tower. A 12 bay FM antenna also side-mounted on SW(#3)

tower.

Height above Insulators: Northeast and center, 478'; Southwest, 444' (including

FM antenna).

Overall Heights Northeast and center, 484'; Southwest, 450'.

279' (115.3°) between adjacent towers. Line of towers Spacing and Orientation:

bears 25° true.

Non-Directional Antenna: Center tower with northeast and southwest towers grounded. Ground System consists of 120 equally-spaced, buried copper radials plus 20' square

copper ground screen about each tower. Radials 400' in

length except where they intersect.

21 THEORETICAL STECT				
Phasing:	Tower	Northeast (1)	Center (2)	Southwest (3)
Field Ratio:		1.0	1.835	1.0
3. OPERATING SPECIFIC Phase Indication*:	ATIONS	96.0°	00	-102°
Antenna Sase				
Current Ration		1.0	2.75	2.05
Interna Monitor Com-				
Antenna Monitor Samp	re	1.0	1.90	1.115

silcated by RCA WM-30-A antenna monitor

BR-452

KWKH

1-6-77

### DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.0 mv/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 21.0 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 54.0 mv/m.

BR-452

KWKH

1-6-77

This application is granted subject to the condition that the licensee submit to the Renewal Branch on or before February 1, 1978, and with its next renewalapplication, the following information:

- (a) A list of employees as of February 1, 1978 and January 1, 1979 by job title with part-time or full-time status indicated (ranked from highest paid to lowest paid), date of hire, sex, and race or national origin;
- (b) A list of persons hired from the date of this order to February 1, 1978, and from February 1, 1978 to January 1, 1979 indicating their job title and part-time or full-time status, date of hire, sex, and race or national origin; and
- (c) Details concerning the station's efforts to recruit for each position filled during the periods noted in (b) above, including identification of sources used for the purpose of increasing the station's pool of minority and female applicants.

C Form 3 13-R
United States of America
y 1970
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

### International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street P.O. Box 1130, Shreveport, Louisiana, 71120 Louisiana,

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KFY-363

### > NOT VALID UNLESS POSTED WITH LICENSE

### THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

This certificate when consequently in the state of the communications are supported by the consequence of the communications.

This certificate, when properly suthenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provi-

Date

1979 JUN 1 Federal Commi

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FCC Form 313-R July 1970

United States of America
1970 Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana NOT VALID UNLESS POSTED WITH LICENSE

#### THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licenses This authorization shell not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

This certificate, when properly suthenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provi-1979

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JUN 1 Federal Communications Commission

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FCC Form 313-R

July 1970

4. Auxiliary Call Sign: KGN-258

C Form 313-R
United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Shreveport, Louisiana, 71120

Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KGN-259

> NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

THIS SPACE FOR COMMISSION OSE ONLY

This authorization shall not vest in the licensee any
right to operate the station nor any right in the use of the
frequencies designated in the license beyond the term
hereof, nor in any other manner than authorized therein.
Neither the license nor the right granted herein shall be
assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization
is subject to the right of use or control by the Government
of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

This certificate, when properly suthenticated, serves

This certificate, when properly suthenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

77 Y 7

Federal Communications Commission

FCC Form 313-R

July 1970

Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KUKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign. KJ-4323

NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This space For commission use only inght to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be, assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization is subject to the rightly use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

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This certificate, when properly suthenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending: JUN 1 1979



Federal Communications Commission

1 8 MAY 1918 Date:

C Fem 313-R
United States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Sureveport, Louisiana, 71120

Broadcast station with which sumiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Aunittary Catt Sign 324 .-

I P NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This suborization shall not vest in the literanse any right to operate the station not any right in the use of the frequencies designated in the literans beyond the term hereof, not in say other manner thus authorized therein. Neither the literans nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1924, as somethed. This authorization is subject to the right of use or control by the Covermien of the United States conferred by Section 606 of the Communications Act of 1934, as somethed.

This certificate, when properly suthenticated, serves es a renewal of the reference ratio station license on the same conditions and in accordance with the same provisions for the term enting: JUN ± 1979

Federal Communications Commission

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FCC Form 313-R July-1970

Vinited States of America
Federal Communications Commission
CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign 3-4325

D. NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This space For Commission Use Only This entherization shall not sent in the ilcenses any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term bersel, nor is any other manner than authorized therein. Nother the license nor the right granted herein shall be essigned or otherwise transferred in violation of the Communications Act of 1934, as amonded. This authorization is subject to the right of use or contest by the Government of the United States conferred by Section 506 of the Communications Act of 1934, as semanded.

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This certificate, when properly suthentiested, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same pravious for the term suding:

Federal Communications Commission miral 9 1 8 MAY 120

FCC Form 313-R July 1970

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, State, City, City, State, City, Ci

Dissileant station with which suniling station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxillary Chil Sign: - Kill-4326

D. NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This sutherization shall not west in the licenses any right in uperate the station nor say right in the west of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Reither the license nos destifying prainted between thall be saxingted as attended a measurement in violation of the Communications Act of 1914, as amended. This authorization is subjust to the closeroment of the United Sixters conferred by Rection 606 of the Communications. Act of 1914, as smanded.

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This certificate, when properly sufficiented, serves as a scheenly of the reference radio station license on the same conditions and in accordance with the same provisions for the term soding: HIM 1 1970

JUN 1 1979 Federal Communication's Commission

FCC Form 315-R July 1970

Form 315-R

United States of America

Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O.Box 1130, Shreveport, Louisiana, 71120

Broadcast etation with which auxiliary station used. (Call Sign. City. State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxillary Coll Sign: KJ-4327

" NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not west in the licenses may This sudinstration shall not west in the licensee any right to operate the station are any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than subhorized therein. Butther the license use the right granted became shall be assigned or otherwise transferred in violation of the Communications Act, of 1994, as amended. This sutherization is subject to the right of use or control by the Covernment of the United States conferred by Section 505 of the Communications Act of 1934, as amounted.

This certificate, when properly suthenticated, servi as a renewal of the reference radio station license on the same conditions and in accordance with the same provi-

JUN 1 1979 ederal Communications Commission 1 1 2 S Date:

### FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D.C. 20554

January 6, 1977

IN REPLY REFER TO:

8840-DW

International Broadcasting Corporation Radio Station K W K H Shreveport, Louisiana 71102

#### Gentlemen:

This has reference to an application to determine power by the direct method and the associated engineering report prepared by the firm of A. Earl Cullum, Jr., Associates, concerning a readjustment of the directional antenna system of radio station KWKH, Shreveport, Louisiana.

Examination of the data appears to indicate substantial agreement of the present operation with the authorized pattern.

Operation of the station should be conducted with the directional antenna system adjusted and maintained in accordance with the enclosed specifications pending issuance of a revised license. It is requested that you advise the Commission of any discrepancies noted therein.

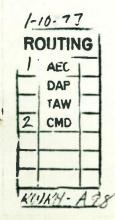
Sincerely yours,

(8) Martin I. Levy

Martin I. Levy, Chief Broadcast Facilities Division Broadcast Bureau

#### Inclosure

ce: Dempsey & Koplovitz
A. Earl Cullum, Jr., & Assoc.



Date: 1/4/77

#### 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-

No. and Type of Elements:

Three guyed, uniform cross-section, vertical radiators, a 54° FM antenna included in the height of the southwest tower. A 12 bay FM antenna also side-mounted on SW(#3) tower.

Height above Insulators:

Northeast and center, 478'; Southwest, 444' (including

FM antenna).

Overall Height:

Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation:

279' (115.3°) between adjacent towers. Line of towers

bears 25° true.

Non-Directional Antenna:

Ground System consists of

Center tower with northeast and southwest towers grounded. 120 equally-spaced, buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

#### 2. THEORETICAL SPECIFICATIONS

4.	THEORETICAL OF IN.				
	Phasing:	Tower	Northeast (1)	Center (2)	Southwest (3)
	Field Ratio:		1.0	1.835	1.0
3.	OPERATING SPECIFIC Phase Indication*:	CATIONS	96.0°	0°	-102°
	Antenna Base Current Ratio:		1.0	2.75	2.05
Ant	enna Monitor Sam Current Ratio:	ole	1.0	1.90	1.115

\*As indicated by RCA WM-30-A antenna monitor
The field intensity in mV/m measured at the described monitoring points is not to exceed the following values:

2° true - 42.0 mV/m 57° true - 21.0 mV/m 316° true - 54.0 mV/m

NAME OF AGENCY		PRECEDENCE	SECURITY CLASSIFICATION	
FEDERAL COMMUNICATIONS COMMISSION		ACTION		
TEDERAL COMMUNICATI	IOI 43 COMMISSION			
		INFO: NL		
CCOUNTING CLASSIFICATION		DATE PREPARED	TYPE OF MESSAGE	
	COLLECT	12/28/76 10:2	25	
	FOR INFORMATION CALL		SINGE	
Dennis Williams		PHONE NUMBER	BOOK  MULTIPLE-ADDRESS	
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	ROADCASTING CORPORA			
	WKH (PHONE & MA	AIL)		
SHREVEPORT, LOUI	SIANA			
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		PAGE NO. NO.	SECURITY CLASSIFICATION  OF PGS.	
		PAGE NO. NO.		
		PAGE NO. NO.		14

File No.: BR-452

Call Sign: K W K H

#### STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, the LICENSEE

### INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term ending 3 a.m. Local Time JUNE 1, 1976

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of 1130 kHz.

50 kilowatts nighttime and 50 kilowatts daytime, 2. With nominal power of current 12.1 amperes with antenna input power of 52.6 kilo watts - directional Common point antenna nighttime ...... LCommon point resistance 357 ohms, current 22.9 amperes 50 kilovatts nondirectional Antenna and antenna input power of resistance 95 ohms antenna daytime ...... | Antenna

3. During the following period or periods of time: Unlimited-

Average hours of sunrise and sunset:

Jan. 7:15am to 5:30pm; Feb. 7:00am to 6:00pm;

Mar. 6:30am to 6:15pm; Apr. 5:45am to 6:45pm;

May 5:15am to 7:00pm; June 5:00am to 7:30pm;

July 5:15am to 7:30pm; Aug. 5:45am to 7:00pm;

Sep. 6:00am to 6:30pm; Oct. 6:15am to 5:45pm;

Nov. 6:45am to 5:15pm; Dec. 7:15am to 5:15pm; Central Standard Time (non-advanced).

4. With the station located at: Shreveport, Louisiana

5. With the main studio located at:

Petroleum Tower, Texas and Edwards Sts.

Shreveport, Louisiana

6. The apparatus herein authorized to be used and operated is located at: North Latitude: West Longitude: Gamm Road

Near Dixie, Louisiana

7. Transmitter(s): RCA, BTA-50-F1

(or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

8. Obstruction marking specifications in accordance with the following paragraphs of FCC Form 715: 1, 3, 12\* and 21. \*Modified to require side lights at the 375', 275', 175' and 75' levels.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges

herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

This license consists of this page and pages 2 & 3

FEDERAL COMMUNICATIONS COMMISSION



Dated: May 31, 1973

FCC Form 715 November 1970

## OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

#### PAINTING1

I Antenna structures shall be painted throughout their height with alternate bands of aviation surface orninge and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1½ feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

#### TOP LIGHTING

- There shall be installed at the top of the tower at least two 100-, 107 or 116-watt lumps (#100 A21/TS, #107 A21 TS or #116 A21 TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any normal angle of approach. A light sensitive control device or an astronomic dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.
- There shall be installed at the top of the structure one 300 m m electric code beacon equipped with two 500-, 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

### INTERMEDIATE LIGHTING (BEACONS)

4 At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of the tower at the prescribed height.

- At approximately two-fifths of the over-all height of the tower one similar flashing 300 m m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately twothirds and one-third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately foursevenths and two-sevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 8 On levels at approximately three-fourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of the beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure impostructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

- On levels at approximately twothirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately fourfifths, three-fifths, two-fifths and onefifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 10.1 On levels at approximately eight-elevenths, six-elevenths, four-elevenths and two elevenths of the overall height of the tower one similar flashing 300 m m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft all any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft

at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally

Antenna structures constructed prior to November 1, 1970 shall conform to these painting specifications when next repainted but in no event later than Nov. 1, 1977 (Sec. 17.43).

opposite corners or opposite sides of the tower at the prescribed height.

- On levels at approximately five-sixths, two-thirds, one-half, onethird and one-sixth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach there shall be installed two such beacons at each level.. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 10.3 On levels at approximately ten-thirteenths, eight-thirteenths, six thirteenths, four-thirteenths and twothirteenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 10.4 On levels at approximately six-sevenths, five-sevenths, foursevenths, three-sevenths, two-sevenths and one-seventh of the over-all height of the tower one similar flashing 300 m/m electric code beecon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons of each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

#### (SIDE LIGHTS)

- 11 At the approximate mid point of the over-all height of the tower there shall be installed at least two 100-, 107- or 116-watt lamps (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.
- 12 On levels at approximately twothirds and one-third of the over-all height of the tower, there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be

- mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.
- 13 On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (\$100 A21 TS, \$107 A21 TS or \$116 A21 TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside comer of the structure.
- 14 On levels of approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 15 On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21 TS, #107 A21 TS or #116 A21/TS, respectively) enclosed in an anxiation red obstruction light globe shall be installed on each outsidecorner of the structure.
- 16 On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21 TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 17 On levels at approximately seven-eighths, five-eighths, three-eighths and one-eighth of the over-all height of the tower, at least one 100-, 107 or 116-watt lamp (\*\*100 A21/TS, \*\*107 A21/TS or \*\*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 18 On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (\*100 A21 TS, \*107 A21/TS or \*116 A21 TS, respectively) enclosed in an aviation red obstruction light globe shallbe installed on each outside corner of the \*\*\*
- 19 On levels at approximately ninetenths, seven-tenths, one-half, threetenths and one-tenth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (\*100 A21 TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.1 On levels at approximately ten-elevenths, nine-elevenths, seven-elevenths, five-elevenths, three-elevenths and one-eleventh of the

- over-all height of the tower at least one 100-, 107-, or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.2 On levels at approximately eleven-twelfths, three-fourths, seven-twelfths, fire-twelfths, ene-fourth and one-twelfth of the over-all height of the tower at least one 100-, 107- or 116-watt iamp (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.3 On levels at approximately twelve-thirteenths, eleven-thirteenths, nine-thirteenths, seven-thirteenths, nine-thirteenths, three-thirteenths and one-thirteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.4 On levels at approximately thirteen-fourteenths, eleven-fourteenths, nine-fourteenths, nine-fourteenths, three-fourteenths and one-fourteenths, three-fourteenths and one-fourteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamps (\$100 A21/TS, \$107 A21/TS or \$116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 20 All lighting shall be exhibited from sunset to sunrise unless otherwise specified.
- All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.
- During construction of an antenna structure, for which obstruction lighting is required, at least two 100-, 107-116-watt lamps (#100 A21/TS. #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

File No .: BR-452

Call Sign: K W K H

Date: 5-31-73

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-N

No. and Type of Elements: Three guyed, uniform cross-section, vertical radiators.

A 54' FM antenna included in the height of the southwest

tower.

Height above Insulators:

Northeast and center, 478'; Southwest, 444' (including

FM antenna).

Overall Height:

Northeast and center, 484'; Southwest, 450'.

Spacing and Orientation:

279' (115.3°) between adjacent towers. Line of towers

bears 250 true.

Non-Directional Antenna: Center tower with northeast and southwest towers grounded. Ground System consists of 120 equally-spaced, buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2.	. THEORETICAL SPECIFICATIONS	Northeast Tower (1)	Center Tower (2)	Southwest Tower (3)
	Phasing:	900	00	-90°
	Field Ratio:	1.0	1.835	1.0
3.	OPERATING SPECIFICATIONS	0	0	
	Phase Indication*:	95.5°	00	-103°
	Antenna Base	0.36	1.0	0,75
	Current Ratio:	1.0	2.77	2.07
Antenn	a Monitor Sample	0.52	10	0.59
	Current Ratio:	1.0	1.94	1.15

<sup>\*</sup>As indicated by RCA WM-30-A

antenna monitor.

### DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Paint 11, direction of 2° true Morth. Proceed from the KWKH plant entrance
3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200° south of Self Road in a pasture. The distance is 2.77 miles from the center towar of the Dikk erray. The field intensity measured at this point should mot exceed 42.3 my/m.

Point #2, direction of 57° true North. Proceed from the Kwin plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.25 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 my/ma

Point 63, direction of 316° true North. Proceed from the KWKH plant entrance 3,20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayon Loves. Point of measurement is 20 feet west of canal bridge and 20 feat cast of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 my/m.

United States of America

# Federal Communications Commission CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

### International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KJ-4323

### NOT VALID UNLESS POSTED WITH LICENSE

### THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

Federal Communications Commission

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Date: MAY 11 1

FCC Form 313-R July 1970

United States of America Federal Communications Commission

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Federal Communications Commission

in with the

Bay Date:

Secretary

United States of America Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licenace

### International Broadcasting Corporation

 Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KJ-4325

12: NOT VALID UNLESS POSTED WITH LICENSE

THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Com-munications Act of 1934, as amended. This authorization is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:

Date:

Federal Communications Commission

TEN 2 + 2 1 3 m ...

Secretary

FCC Form 313-R July 1970

United States of America Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

### International Broadcasting Corporation

 Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana : > NOT VALID UNLESS POSTED WITH LICENSE

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending: 330 2 1976



Federal Communications Commission

4. Auxiliary Call Sign: KJ-4326

MAY 3 1 YE Secretary Date:

Ban F. 1. 5/2

FCC Form 313-R

July 1970

United States of America Federal Communications Commission

CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

### International Broadcasting Corporation

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3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KJ-4327

: ... NOT VALID UNLESS POSTED WITH LICENSE

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this certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



1976 Federal Communications Commission

Bon F- 200 , 12

Date: Will & Secretary

United States of America Federal Communications Commission

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1. Name of licensee

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower,
Texas and Edwards Street
P.O. Box 1130, Shreveport,
Louisiana, 71120

Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KFY-363

#### IP NOT VALID UNLESS POSTED WITH LICENSE

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Federal Communications Commission

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Secretary

FCC Form 313-R

July 1970

United States of America
Federal Communications Commission
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CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

# International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas & Edwards Streets, P.O. Box 1130, Shreveport, Louisiana 71120

Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

Auxiliary Call Sign:

#### > NOT VALID UNLESS POSTED WITH LICENSE

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

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FCC Form 313-R July 1970

United States of America Federal Communications Commission

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# International Broadcasting Corporation

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Texas and Edwards Streets,
P.O. Box 1130, Shreveport,
Louisiana 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

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This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

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Secretary

FCC Form 313-R July 1970 United States of America
Federal Communications Commission
Federal Communications PADIO BROADCAST LICENSE

## CERTIFICATE OF RENEWAL OF AUXILIARY RADIO BROADCAST LICENSE

1. Name of licensee

4. Auxiliary Call Sign:

KGN-258

International Broadcasting Corporation

2. Mailing address (Number, Street, City, State, and ZIP Code) Petroleum Tower, Texas and Edwards Street, P.O. Box 1130, Shreveport, Louisiana, 71120

3. Broadcast station with which auxiliary station used. (Call Sign, City, State)

KWKH (AM), KROK (FM) Shreveport, Louisiana

4. Auxiliary Call Sign: KGN-259

### IN NOT VALID UNLESS POSTED WITH LICENSE

### THIS SPACE FOR COMMISSION USE ONLY

This authorization shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized therein. Neither the license nor the right granted herein shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. This authorization is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934, as amended.

This certificate, when properly authenticated, serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending:



Federal Communications Commission

1 1078

Date:

Secretary

CC: A. Earl Cullum, Jr. & Associates

May 1972

FCC Form 392 Att: Mr. T. A. Wright

FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D. C. 20554

Call Letters

KWKH

KWKH

### **EMERGENCY BROADCAST SYSTEM AUTHORIZATION**

Under Section 2.407 of the Commission's Rules, the Broadcast Station described below may be used and operated for the purpose of participating in the Emergency Broadcast System during an Emergency Action Condition, in accordance with the requirements hereinafter set forth, and Subpart G of Part 73 of the Commission's Rules.

Name of Licensee: INTERNATIONAL BROADCASTING CORPORATION

Station Location:

City: Shreveport

State: Louisiana

Conditions of operation: All operation under this authority shall be in accordance with the terms and conditions of the current normal license of the station, or as specifically provided in the Detailed State Emergency Broadcast System (EBS) Operational Plan.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Term of authorization: This authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Expiration date: The authority herein granted shall expire with the expiration of the current normal license of the station. Unless surrendered by the holder or suspended, modified, or withdrawn by the Commission, this authorization shall have continuing and renewed effect under succeeding license renewals.

Effective date: May 25, 1972

FEDERAL COMMUNICATIONS COMMISSION

Ben 1. Weffen

KWKH

F.C.C. FORM NO. 352 October 1968

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No	3R-4,	52			
Call	Letters	K	W	K	H	

STANDARD BROADCAST STATION LICENSE

RENEWAL AND MODIFICATION

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license,  $\frac{1}{2}$  the LICENSEE

•	INTERNATIONAL BROADCAS	TING CORE	ORATIO	N		
is hereby authorized to use and	operate the radio transmitting appare	atus bereinai	ter descr	ibed for the	purpose o	of broad-
casting for the term beginning _	Jume 1, 1970	and ending		June 1,	1973	
	(3 a.m., Local Time)			(3 a.m., Loc	al Time)	
The licensee shall use and ope	erate said apparatus only in acco	rdance with	the foll	owing terms	3:	
1. On a frequency of 1130 kc.	directional antenna nighttime On directional antenna daytime	Common	Point	current,	12.1	amperes
2. With 50 kill-watts power_	directional antenna nighttime	Common	Point	resistan	ce, 339	obms
۲۵ اطاع - m		Antenna	<u> </u>	_ current,	22.9	amperes
			<u> </u>	resistan	ce, <u>95</u>	obms
	d or periods of time: <b>Unlimite</b>	d time.				
Average hours of suni						
	pm; Feb. 7:00 am to 6:00					057
	pm; Apr. 5:45 am to 6:45					3-
	pm; June 5:00 am to 7:30					
Sont 6:00 on to 6:30	pm; Aug. 5:45 am to 7:00 pm; Oct. 6:15 am to 5:45	pm;				
Nov 6:15 am to 5:15	pm; Dec. 7:15 am to 5:15	Dur 3				
'A With the station located a	t: Central Standard Tim	e (non-ac	ivanced	)		
g. With the Station Location of				•		
Shreveport, Louisian	<b>a</b> .					
5. With the main studio locat	ed at:					
Petroleum Tower, Tex	as and Edwards Sts.					
Shreveport, Louisian	<b>a.</b>					
	ed to be used and operated is loc	ated at:	-00	0 10	30 "	
Gamm Road		North	Lat. 32	142	18	
Near Dixie, Louisian	<b>a</b>	West I	ong. 93	0 52	55 "	
				_		

and is described as follows: RCA, Type No. BTA-50-F1 (or other transmitter currently listed in the Commission's "Radio Equipment List, Part B, Aural Broadcast Equipment" for the power herein authorized).

Obstruction marking specifications in accordance with paragraphs 1, 3, 12\* and 21 of FCC Form 715 attached. \*Modified to require side lights at the 375', 275', 175' and 75' levels.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vestin the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

1/ This license consists of this page and pages 2 & 3 attached to license ER-452 dated 4-14-54. This supersedes authorization issued same date to correct coordinates.

May 27, 1970

FEDERAL COMMUNICATIONS COMMISSION.



FCC Form 715 November 1970

# OBSTRUCTION MARKING AND LIGHTING SPECIFICATIONS FOR ANTENNA STRUCTURES

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

#### PAINTING<sup>1</sup>

1 Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 100 feet nor less than 1½ feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

#### TOP LIGHTING

- There shall be installed at the top of the tower at least two 100-, 107 or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any normal angle of approach. A light sensitive control device or an astronomic dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.
- There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500-, 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

## INTERMEDIATE LIGHTING (BEACONS)

4 At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of the tower at the prescribed height.

- At approximately two-fifths of the over-all height of the tower one similar flashing 300 m/m electric cody beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately twothirds and one-third of the over-all height of the tower one similar (lashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately foursevenths and two-sevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 8 On levels at approximately threefourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of the beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

- On levels at approximately twothirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately fourfifths, three-fifths, two-fifths and onefifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 10.1 On levels at approximately eight-elevenths, six-elevenths, four-elevenths and two elevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from sircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from sircraft
- at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally

Antenna structures authorized prior to November 1, 1970 shall conform to these painting specifications when next repainted but in no event later than Nov. 1, 1977 (Sec. 17.43).

THIS FORM IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION

opposite corners or opposite sides of the tower at the prescribed height.

On levels at approximately five-sixths, two-thirds, one-half, onethird and one-sixth of the over-all height of the tower one similar flashing 300 m/m electric cbde beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach there shall be installed two such beacons at each level.. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

On levels at approximately ten-thirteenths, eight-thirteenths, six thirteenths, four-thirteenths and twothirteenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from sircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed

10.4 On levels at approximately six-sevenths, five-sevenths, foursevenths, three-sevenths, two-sevenths and one-seventh of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

#### (SIDE LIGHTS)

- At the approximate mid point of the over-all height of the tower there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.
- 12 On levels at approximately twothirds and one-third of the over-sil height of the tower, there shall be installed at least two 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be

mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.

- 13 On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 14 On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the attracture.
- 15 On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside-corner of the structure.
- 16 On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 17 On levels at approximately seven-eighths, five-eighths, three-eighths and one-eighth of the over-all height of the tower, at least one 100-, 107 or 116-watt lamp (\*\*100 A21/TS, \*\*107 A21/TS or \*\*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 18 On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the \*\*---
- 19 On levels at approximately ninetenths, seven-tenths, one-half, threetenths and one-tenth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.1 On levels at approximately ten-elevenths, nine-elevenths, seven-elevenths, ive-elevenths, three-elevenths and one-eleventh of the

over-all height of the tower at least one 100-, 107-, or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.

- 19.2 On levels at approximately eleven-twelfths, three-fourths, seventwelfths, five-twelfths, one-fourth and one-twelfth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.3 On levels at approximately twelve-thirteenths, eleven-thirteenths, nine-thirteenths, seven-thirteenths, five-thirteenths, three-thirteenths and one-thirteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.4 On levels at approximately thirteen-fourteenths, eleven-fourteenths, nine-fourteenths, one-half, five-fourteenths, three-fourteenths and one-fourteenths, three-fourteenths and one-fourteenth of the over-all height of the over-all height of the tower at least one 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 20 All lighting shall be exhibited from sunset to sunrise unless otherwise specified.
- All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.
- During construction of an antenna structure, for which obstruction lighting is required, at least two 100-, 107-116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

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STANDARD BROADCAST STATION LICENSE RENEWAL AND MODIFICATION

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, 1 the LICENSEE

INTERNATIONAL BROADCASTING CO	ORPORATION .
is hereby authorized to use and operate the radio transmitting apparatus	hereimafter described for the purpose of broad-
	d endingJune 1, 1973
(3 a.m., Local Time) The licensee shall use and operate said apparatus only in accordan	(3 a.m., Local Time) ace with the following terms:
1. On a frequency of 1130 kc.	Clause But I am a second
2. With 50 kilovatts power directional antenna nighttime	Common Point current, 12.1 amperes Common Point resistance, 337. ohms
and 50 kilowatts power non directional antenna daytime	Antenna current, 22.9 amperes Antenna resistance, 95 ohms
3. During the following period or periods of time: Unlimited to Average hours of sunrise and sunset:	time.
Jan. 7:15am to 5:30pm; Feb. 7:00am to 6:00pm; Mar. 6:30am to 6:15pm; Apr. 5:45am to 6:45pm;	
May 5:15am to 7:00pm; June 5:00am to 7:30pm; July 5:15am to 7:30pm; Aug. 5:45am to 7:00pm;	
Sep. 6:00am to 6:30pm; Oct. 6:15am to 5:45pm; Nov. 6:45am to 5:15pm; Dec. 7:15am to 5:15pm:	
Central Standard Time (non-advanced)	
Shrayanant Tayiaian	See Cud letter to Ocher - akonsen, circa 12-23-70
Shreveport, Louisiana	shower, circa 17-23-70
25. With the main studio located at: Petroleum Tower, Texas and Edwards Streets Shreveport, Louisiana	
The apparatus herein authorized to be used and operated is located	at: 18 "
Gamm Road	North Lat. 32 42 16
Near Dixie, Louisiana	West Long. 93 52 56"
and is described as follows: RCA MFG. CO., Type BTA-50-F1,	
(or other transmitter currently listed in the Commission's "Radio Equipment" for the power herein authorized).	uipment List, Part B, Aural Broadcast
Obstruction markings specifications in accordance wand 21 of FCC Form 715 attached.	rith paragraphs 1, 3, 12*
*Modified to require side lights at the 375', 275',	175' and 75' levels.

The Commission reserves the right during said license period of terminating this license or making effective, any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vestin the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than suthorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

1/ This license consists of this page and pages 2 & 3 attached to license BR-452 dated 4-14-54.

Dated: May 27, 1970

FEDERAL COMMUNICATIONS COMMISSION,



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F.C.C. - Washington, D. C.

Ben F. Wash

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

#### PAINTING

I Antenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be equal and approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 40 feet nor less than 1½ feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.

#### TOP LIGHTING

- There shall be installed at the top of the tower at least two 100-, 107 or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to sunrise and shall be positioned so as to insure unobstructed visibility of at least one of the lights from aircraft at any normal angle of approach. A light sensitive control device or an astronomic dial clock and time switch may be used to control the obstruction lighting in lieu of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned of at a north sky light intensity level of about fifty-eight foot candles
- There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500-, 620- or 700-watt lamps (PS-40, Code Beacon type), both lamps to burn simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any normal angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from aircraft at any normal angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashes per minute nor less than 12 flashes per minute with a period of darkness equal to approximately one-half of the luminous period.

## INTERMEDIATE LIGHTING (BEACONS)

4 At approximately one-half of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of the tower at the prescribed height.

- At approximately two-fifths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any normal angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately twothirds and one-third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside diagonally opposite corners or opposite sides of the tower at the prescribed height.
- On levels at approximately foursevenths and two-sevenths of the overall height of the lower similar flashing 300 m/m electric sale beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 8 On levels at approximately threefourths, one-half and one-fourth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the struc-

tural members will not impair the visibility of the beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

- On levels at approximately twothirds, four-ninths and two-ninths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescrited height.
- On levels at approximately fourfifths, three-fifths, two-fifths and onefifth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 10.1 On levels at approximately eight-elevenths, six-elevenths, four-elevenths and two elevenths of the overall height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft
- at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally

opposite corners or opposite sides of the tower at the prescribed height.

On levels at approximately five-sixths, two-thirds, one-half, onethird and one-sixth of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacon's from aircraft at any normal angle of approach there shall be installed two such beacons at each level.. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

On levels at approximately ten-thirteenths, eight-thirteenths, six thirteenths, four-thirteenths and twothirteenths of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

10.4 On levels at approximately six-sevenths, five-sevenths, foursevenths, three-sevenths, two-sevenths and one-seventh of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any normal angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any normal angle of approach, there shall be installed two such beacons at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.

#### (SIDE LIGHTS)

- 11 At the approximate mid point of of the over-all height of the tower there shall be installed at least two 100-, 107- or 116-watt lamps (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.
- 12 On levels at approximately twothirds and one-third of the over-all
  height of the tower, there shall be
  installed at least two 100-, 107- or
  116-watt lumps (\$100 A21/TS, \$107
  A21/TS or \$116 A21/TS, respectively)
  enclosed in aviation red obstruction
  light globes. Each light shall be

mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any normal angle of approach.

- 13 On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.
- 14 On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the-tower at each level.
- 15 On levels at approximately five-sixths, one-half, and one-sixth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside. corner of the tower at each level.
- 16 On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 17 On levels at approximately seven-eighths, five-eighths, three-eighths and one-eighth of the over-all height of the tower, at least one 100-, 107 or 116-watt lamp (\*100 A21/TS, \*107 A21/TS or \*116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 18 On levels at approximately eight-ninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower 6t each level.
- 19 On levels at approximately ninetenths, seven-tenths, one-half, threetenths and one-tenth of the over-all height of the tower, at least one 100-, 107- or 116-watt lamp (\$100 A21/TS, \$107 A21/TS or \$116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.
- 19.1 On levels at approximately ten-elevenths, nine-elevenths, seven-elevenths, five-elevenths, three-elevenths and one-eleventh of the

- over-all height of the tower at least one 100-, 107-, or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.2 On levels at approximately eleven-twelfths, three-fourths, seventwelfths, five-twelfths, one-fourth and one-twelfth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.3 On levels at approximately twelve-thirteenths, eleven-thirteenths, nine-thirteenths, seven-thirteenths, five-thirteenths, three-thirteenths and one-thirteenth of the over-all height of the tower at least one 100-, 107- or 116-watt lamp (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 19.4 On levels at approximately thirteen-fourteenths, eleven-fourteenths, nine-fourteenths, nine-fourteenths, three-fourteenths and one-fourteenth of the over-all height of the over-all height of the over-all height of the tower at least one 100-, 107- or 116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the structure.
- 20 All lighting shall be exhibited from sunset to sunrise unless otherwise specified.
- 21 All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about 35 foot candles and turned off at a north sky light intensity level of about 58 foot candles.
- During construction of an antenna structure, for which obstruction lighting is required, at least two 100-, 107-116-watt lamps (#100 A21/TS, #107 A21/TS or #116 A21/TS, respectively) enclosed in aviation red obstruction light globes, shall be installed at the uppermost point of the structure. In addition, as the height of the structure exceeds each level at which permanent obstruction lights will be required, two similar lights shall be displayed nightly from sunset to sunrise until the permanent obstruction lights have been installed and placed in operation, and shall be positioned so as to insure unobstructed visibility of at least one of the lights at any normal angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

# FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, O. C. 20554

Call Letters K W K H

#### NATIONAL DEFENSE EMERGENCY AUTHORIZATION

#### RENEWAL

Under Section 2.407 of the Commission's Rules, the Broadcast Station described below may be used and operated for the purpose of participating in the Emergency Broadcast System during an Emergency Action Condition, in accordance with the requirements hereinafter set forth, and Support G of Part 73 of the Commission's Rules.

Nume of Literis	//. TIAT	ENVATIONAL BROADCA	ASTING CORPO	DRATION	
Station Location	1:				
	City	SHREVEPORT	State	LOUISIANA	
Station identification: N Action Condition.		of call letters of the lication shall be give.		he made during an Em	ergency
	TION) SHA	RATION UNDER THIS LL BE IN ACCORDA LICENSE OF THE ST	NCE WITH TH	-	,

- Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.
- Term of authorization: This authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Expiration date: The authority herein granted shall expire with the expiration of the current normal license of the station.

Effective date: June 1, 1970

FEBERAL COMPUNICATIONS COMMISSION,

Ben F. Wask

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# FEDERAL COMMUNICATIONS COMMISSION

File No. BR-152 Call Letters KWKH

## STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1984, subsequent Acts, and Treaties, and Commission Rules made theremader, and further subject to conditions set forth in this license, 1 the LICENSEE

is hereby authorized to me and open	INTERNATIONAL BRO	DCASTING CORPORA	TION
is hereby authorized to use and opera	to the radio transmitting ap	parates hereinafter descr	ibed for the purpose of broad-
Casting for the term beginning (3 a.m.,	June 1 , 196	7, and ending	June 1 . 19 70
	said apparatus call to as	(3 6-m., I	astern Standard Time)
1. On a frequency of 1130 ac.	out opposition only in ac	coldwace Aith the toll	owing terms:
2. Vith 50 kill watts power - d	irectional astenna sighter	Common point	carrest, 12.1 amperes
		Common point	resistance, 339 ohms
and 50 kilowatts power non d	irectional astenna davtime	Antenna	carrest, 22.9 amperes
2. During the following period or	periods of sime Unlimit	Antenna	resistance, 95 ohmo
TACTORS HOURS OF TOCAL SIMI	risa and summet.		
Jan. (115 am to 5:30 pm: F	Teh. $7.00 \approx +2.00$	0 000	
made 0:30 an to 5:15 nm: 1	nr 5.15 on to 6.1.		1
A. My DILD AR TO (:()() his	11100 5.00 am += 7 3	2	L.
ULLY 7:15 all to /:4() nm · A	110 Calif on 4- 7 0	3	
Depa 0:00 and to hear of	ht 6.15 4- 6 1		1 200
nov. 0:45 am to 5:15 pm: I	ec. 7:15 am to 5.30	70 m s	Jan 1
6. With the station located at: C	entral Standard Time		7 "
Shreveport, Louisiana			1 1
E Mich character and			1)3
6. With the mais studio located at: Petroleum Tower			7
Texas and Edwards Streets			
brevenort Louisians to			.0
Gamm Road	be ased and operated is lo	ocated at:	42 15 52 52
Dixie, Louisiana		North Lat. 32	42 15
Dixte, Louisiana		Vest Loss. on	0 " "
and is described as follows: RCA ?	MIG. GO. Time BTA-E	( WI Description At	477
(or other transmitter currently listed Equipment" for the power herein au	in the Commission's "Rad	io Equipment Lies Par	ig Transmitter.
Equipment'' for the power herein au	thorized).	o adarbment Elst, Pai	t D, Aufal Broadcast
hetmation marking and a			
Distruction marking specific of FCC Form 715 attached. (M	ations in accordance	e with paragraphs	1, 3*, 12*, and 21
of FCC Form 715 attached. (No. 5 foot levels).	localized to require	side lights at th	ie 375, 275, 175, and
201013/			
<b>7</b> . 0 1			
The Commission reserves the effective any changes or modificat	right during said license	period of terminatin	g this license or making
IN COMMISSION rendered as a man.	14 . 4	to comment to co	PLY WITH SHY DECISION of
designated but not held, prior to	the area and a state of	as a tasmit of suh an	ch hearing which has been
application are true and that the	licensee's representation	on that the statements	contained in licenses's
De Carried out in good faith The	Manager of the total	and so ist as they are	consistent herewith, will
conferred.		and to the intl extent	or the privileges herein
IRIS license shall not vesti-	AL - 11.		
nervin. Neither the license see at	he at the	. co., not in may other	F manner than mithorized
Violation of the Communications And	4 - 6 40 04	amen't he sest sued Ot	Otherwise transferred in
		The Community of Clons Act	O I TO TA
Dated May 22, 1967	ige and pages <u>2 &amp; 3</u> , at 4-14-54	tached to license	BR-452 dated
wj			CATIONS COMMISSION,
8		/	Bon F. Wafley
	P.C.C Washington,	D. C.	Sected

# 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA-\_\_\_\_

No. and Type of Elements:

Three guyed, uniform cross section, vertical radiators. A 54 PM antenna included in the height of the southwest tower.

Reight above Insulators:

Northeast and center, 478; Southwest, 444; (including FM antenna).

Overall Reight:

Northeast and center, 4841; Southwest, 4501.

Spacing and Orientation:

279' (115.3°) between adjacent towers. Line of towers bears 25° true.

Won-Directional Antenna:

Center tower with northeast and southwest towers grounded.

Oround System consists of 120 - equally spaced buried copper radials plus except where they intersect.

2. THEORETICAL SPECIFICATIONS  Phasing:	Northeast Tower (1)	Center Tower (2)	Southwest Tower (3)
Field Ratio:	1.0	1.835	1.0
8. OPERATING SPECIFICATIONS			
Phase Indication: *	95.5°	00	-103°
Antenna Base Current Ratio:	1.0	2.77	2.07
Phese Monitor Sample Current Ratio:	1.6	1.843 -	1.15
As indicated by RCA	WM- 30-A	51 94 - 52 96-	1092 51 550 52 5678

PAGE 2

FORM A-25(LIC.)

## DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.3 mv/m.

Point #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mv/m.

FCC Form 392 March 1964

#### FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D. C. 20884

Call Letters

KWKH

### NATIONAL DEFENSE EMERGENCY AUTHORIZATION

(RENEWAL)

Under Section 2.407 of the Commission's Rules, the Broadcast Station described below may be used and operated for the purpose of participating in the Emergency Broadcast System during an Emergency Action Condition, in accordance with the requirements hereinafter set forth, and Subpart G of Part 73 of the Commission's Rules.

Name of Licensee: INFURNATIONAL BROADCASTING COMPORATION

Station Location:

City Shreveport State Louisiana

Station identification: No broadcast of call letters of the station shall be made during an Emergency Action Condition. Area identification shall be given.

Conditions of operation: ALL OPERATION UNDER THIS AUTHORITY (FREQUENCY, POWER, HOURS OF OPERATION) SHALL BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE CURRENT NORMAL LICENSE OF THE STATION.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Term of authorization: This authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Expiration date: The authority herein granted shall expire with the expiration of the current normal license of the station.

Effective date: June 1, 1957

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FEDERAL COMMUNICATIONS COMMISSION,

Ben F. Wash

FCC Form 360-C August 1969

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No	BRST-168
Call	Letters	KRU-73

### CERTIFICATE OF RENEWAL OF LICENSE

AURAL STL (Class of station) International Broadcasting Corporation NOT VALID UNLESS POSTED WITH LICENSE Petroleum Tower, Texas & Edwards Street Station KWKH, KWKH-FM File No.\_ BLST-319 P. O. Box 1130 Shreveport, Louisiana 71102 License term ending 6-1-70(3 a.m. Local time) Licensee INTERNATIONAL BROADCASTING CORPORATION KWKH Associated Broadcast Station \_ KWKH-FM Shreveport Louisiana Call letters This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending \_\_\_\_\_ June 1, 1973 This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934. MAY 2 7 1970 Dated -FEDERAL COMMUNICATIONS COMMISSION Ben 7. Washer

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F.C.C.-Washington, D. C.

FCC Form 360-C August 1969

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No	BRRE-11074
Call	Letters	KGN-258

# CERTIFICATE OF RENEWAL OF LICENSE REMOTE PICKUP BASE

REMOTE	PICKUP	BASE		_	-		
(Class	of statio	n)					
	٦						
			NOT	VALID	UNLESS	POSTED	WITI

				NOT VALID UNLESS	POSTED WITH LICENSE
				File No. BLRE-12	2855
L			٦	License term ending _	6-1-67 (3 a.m. Local time)
Licensee	INTERNATIONA	L BROADCASTING	CORPORATION		
Associated	Broadcast Station	KWKH KWKH-FM Call letters	Shreveport City	Louisiana State	
* "	license on th		s a renewal of the tions and in acco		

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 2 7 1970

**JET** 

FEDERAL COMMUNICATIONS COMMISSION

Ben 7. Wafle

(3 a.m. Local Time)

F.C.C.-Washington, D. C.

FCC Form 360-C August 1969

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-11075
Call Letters KGN-259

### CERTIFICATE OF RENEWAL OF LICENSE

		OTE PICKUP BASE (Class of station)	<u> </u>	
			NOT VALID UNLESS  File No. BLRE-12	POSTED WITH LICENSI
L		ك	License term ending	6-1-67 (3 a.m. Local time)
Licensee INTERNATIONAL	. BROADCASTING C	ORPORATION		
Associated Broadcast Station	KWKH KWKH-FM Cell letters	Shreveport	Louisiana State	
license on t		ions and in acc	ne reference radio ordance with the 1, 1973 (3 a.m. Local Time)	
This license shall not vest designated in the license beyond the right granted hereunder shallicense is subject to the right Communications Act of 1934.	the term hereof, nor in the same of the sa	in any other manner the vise transferred in vid be Government of the Ur	an authorized herein. Nei	ther the license nor
Dated	HIPCE ~ C			
JET			FEDERAL COMM	RUNICATIONS COMMISSION  FELORY  THE STATE OF

F.C.C.-Washington, D. C.

File No. BRRE-10432

Call Letters KJ-4323

### RADIO BROADCAST STATION LICENSE

REMOTE	PICKUP	MOBILE	
	lass of stati		

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

INTERNATIONAL	. BROADCASTING CORPORATION	
s hereby authorized to use and operate the radio transeginning JUN 1 1970  (3 a.m. Local time)	mitting apparatus, hereinafter described, , and ending June 1, 197 (3 a.m. Local	
vith the following terms:		
1. Frequencies: 161.64, 161.76 mhz.		
2. Frequency tolerance: .005%	•	
3. Types of emission: 30F3	*	
4. With an output power not in excess of30	watts.	
5. Hours of operation - Unlimited		
6. Transmitter location (if base station): State	County	
City of Town	**************	
Street and number	***************************************	
North Latitude: Degrees	Minutes	Seconds
West Longitude: Degrees	Minutes	Seconds
7. Broadcast station with which it is to be operat	ed:	
KWKH, KWKH-FM, Shreveport,	Louisiana	
8. Description of transmitting apparatus:		
G. E.	ET-57A	30 watts

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent

of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer

in granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 2 7 1970

JET

FEDERAL COMMUNICATIONS COMMISSION,

Secretary.

File No. BRRE-10433

Call Letters KJ-4324

### RADIO BROADCAST STATION LICENSE

REMOTE		
	of eration)	

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

		INTERNATIONAL BE	ROADCASTING CORPORATION	
s hereby authorized beginning	to use and operate the ra	dio transmitting apparatus, , and ending	hereinafter described, for radio bro June 1, 1973	oadcasting for the term only in accordance
vith the following te	(3 a.m. Local time)		(3 a.m. Local time)	
1. Frequencies:	161.64, 161.76	mhz.		
	lerance: .005% ssion: 30F3 ✓			
	t power not in excess of ,	30 watts.		
	ration - Unlimited			
6. Transmitter l	ocation (if base station):	State	County	****
	***************************************		•	
Street and nu	mb'er	***************************************	************************	
			Seconds	20000-76-07-075-00-05-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-
West Longitue	de: Degrees	Minutes	Seconds	***************************************
	ation with which it is to be			
KWKH	, KWKH-FM, Shreve	port, Louisiana		
8. Description o	f transmitting apparatus:			
G. E	•	ET-57A	30 watts	✓

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 2 7 1970

**JET** 

F.C.C. - WASHINGTON, D. C.

FEDERAL COMMUNICATIONS COMMISSION.

Secretary.

File No. BRRE-10434

Call Letters .. KJ-4325

### RADIO BROADCAST STATION LICENSE

REMOTE I	PICKUP	MOBILE
	ass of stat	

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

	INTERNATIO	NAL BROADCAST	ING CORPORATIO	N	
hereby authorized to use and o	perate the radio trans	mitting apparatus, he			adcasting for the term only in accordanc
(3 a.m. Lo	cal time)	_	(3 a.m. Local	ime)	
1. Frequencies: 161.6	64, 161.76 mhz.				
2. Frequency tolerance: .()	005%				
	)F3				
4. With an output power not i	n excess of30	watts.			
5. Hours of operation - Unlis	mited				
6. Transmitter location (if ba	se station): State		County	**********	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
City or Town		***************************************			
Street and number			***************		
North Latitude: Degrees.				Seconds	*********************************
West Longitude: Degrees	**********************************	Minutes		Seconds	000010001000011110010010000000000000000
7. Broadcast station with wh					
KWKH, KWKH-FM,	Shreveport, Lo	ouisiana			
8. Description of transmitting	g apparatus:				
G. E.	ET-57	7A	30	watts	

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 2 7 1970

FEDERAL COMMUNICATIONS COMMISSION.

Secretary.

Juken F. Wash

F.C.C. - WASHINGTON, D. C.

#### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10435

Call Letters KJ-4326

### RADIO BROADCAST STATION LICENSE

REMOTE PICKUP MOBILE	
(Class of etation)	

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or bereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE.

s hereby authorized to use and operate the rad beginning		natter described, for radio broadd une 1, 1973	asting for the term only in accordance
(3 a.m. Local time) vith the following terms:		(3 a.m. Local time)	b
1. Frequencies: 161.64, 161.76	mhz.		
2. Frequency tolerance: .005%	•		
3. Types of emission: 30F3 /			
4. With an output power not in excess of	30 watts. /		
5. Hours of operation - Unlimited			
6. Transmitter location (if base station): S	Scare	County	***************************************
City of Town			,
Street and number	***************************************	***************	
		Seconds	**************
	Minutes	Seconds	***************************************
West Longitude: Degrees		Seconds	***************************************
West Longitude: Degrees	operated:	Seconds	
West Longitude: Degrees	operated:	Seconds	••••••••••••••••••••••••
West Longitude: Degrees	operated:	Seconds	

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies design nated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 2 7 1970

DATED

FEDERAL COMMUNICATIONS COMMISSION, Ben F. Wash

Secretary.

#### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10436

Call Letters KJ-4327

### RADIO BROADCAST STATION LICENSE

REMOTE	P.	CKUP	MOBILE
(Class	of	station)	

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE.

INTERN	NATIONAL BROADCA	STING CORPORATION	
is hereby authorized to use and operate the radio beginning 1 1970	transmitting apparatus, , and ending	hereinafter described, for ra June 1, 1973	dio broadcasting for the term only in accordance
(3 a.m. Local time) with the following terms:		(3 a.m. Local time)	4
1. Frequencies: 161.64, 161.76 mh	nz.		
2. Frequency tolerance: .005%		•	
3. Types of emission: 30F3			•
4. With an output power not in excess of	30 watts. /		
5. Hours of operation - Unlimited			
6. Transmitter location (if base station): Stat	:e	County	
City or Towa	********************		
Street and number			
North Latitude: Degrees	Minutes	Sec	madssbac
West Longitude: Degrees	Minutes	Seco	ndsbnd
7. Broadcast station with which it is to be op-	erated:		
KWKH, KWKH-FM, Shreveport	, Louisiana		
8. Description of transmitting apparatus:		•	
G. E.	ET-57A	30 wat	tts /

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies design nated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 2 7 1970 DATED. **JET** 

FEDERAL COMMUNICATIONS COMMISSION. WBen F. Wash

F.C.C. - WASHINGTON, D. C.

Secretary.

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10437

Call Letters KFY-363

### RADIO BROADCAST STATION LICENSE

REMOTE PICKUP BASE	********	
REMOTE PICKUP BASE		

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE.

is hereby authorized to use and operate the abeginning	radio transmitting apparatus,, and ending	June 1, 1973	or radio broadcasting for the term only in accordance
(3 a.m. Local time) with the following terms:		(3 a.m. Local tim	ne)
1. Frequencies: 161.64, 161.76	5 mhz.		
2. Frequency tolerance: .005%			
2. Frequency tolerance: .005% 3. Types of emission: 30F3			
4. With an output power not in excess of	80 watts.	/	
5. Hours of operation - Unlimited	***************************************		
6. Transmitter location (if base station): City or Town Shreveport Street and number Petrole:	m Tower, Texas & E	dwards Street	
North Latitude: Degrees			
7. Broadcast station with which it is to			>econds
KWKH, KWKH-FM, Shi 8. Description of transmitting apparatus:	reveport, Louisiana		
G. E.	ET-58A		80 watts /
			24 antenna mounted on a

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

ground 220 feet.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

MAY 27 1970

JET

FEDERAL COMMUNICATIONS COMMISSION,

Secretary.

.C.C. - WASHINGTON, D. C.

F

#### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

### **MODIFICATION OF LICENSE**

File No	BMLRE-1821
Call Letter	s_KFY-363
Modification	n No. 1

REMOTE PICKUP BASE (Class of station)

Licensee: INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH-FM Shreveport Louisiana State The Authority Contained in Authorization File No. BLRE-12226 October 5, 1965 granted to the Licensee listed above is hereby modified in part dated \_\_\_ as follows:

To change frequencies to 16.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the ROUTING and conditions thereof and for the period therein specified. A\_C

Dated this 12th day of September , 19 67.



DAP

tdh

F.C.C. - Washington, D. C.

FEDERAL COMMUNICATIONS COMMUNICATION

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

### MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE (Class of station)

File	No. Dr	ILKE-1010
Cal 1	Letters	KJ-4323
		No. 1

International Broadcasting Corporation Petroleum Tower, Texas and Edwards Sts. P. O. Box 1130 71102 Shreveport, Louisiana

Licensee:

Г

INTERNATIONAL BROADCASTING CORPORATION

XWKH Louisiana Shreveport Associated Broadcast Station KWKH-FM The Authority Contained in Authorization File No. BLRE12221 dated \_\_\_\_ October 5, 1965 \_\_\_ granted to the Licensee listed above is hereby modified in part as follows: To change frequencies to 161.64,161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

September Dated this 12th day of\_\_\_\_



# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

riic no.	BMLRE-1817		
Call Letters	KJ-4324		
Modification			

#### MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE (Class of station)

Γ	-	٦	
•			
		¢	
L	•	_	
Licensee: INTERNATIONAL BROAD	CASTING CORPORATI	ON	
	KWKH *		·
Associated Broadcast Station_	KWKH-FM S	hreveport	Louisiana State
The Authority Contained in	Call letters Authorization File No.	City  - BLRE-12222	State
dated October 5, 1965	granted to the Lic	censee listed above is	s hereby modified in part
as follows:			•
To change frequer	ncies to 161.64, 1	61.76 mcs, emissio	n 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September . 19 67.



F.C.C. - Washington, D. C.

Ben T. Hage Secretary

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BM	ILRE-1818
Call Letters	
Modification	No. 1

### MODIFICATION OF LICENSE

REMOTE PICKUP MOBILE (Class of station)

7

Licensee: INTERNATIONAL BROADCASTING CORPORATION

To change frequencies to 161.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September , 19 67.



tdh

F.C.C. - Washington, D. C.

FEDERAL COMMUNICATIONS COMMISSION

**World Radio History** 

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

MODIFIC	ATION	0F	LICENSE

File No.	BMLRE-1819
Call Letters	KJ-4326
Modification	No. 1

REMOTE PICKUP MOBILE
(Class of station)

4

Licensee: INTERNATIONAL BROADCASTING CORPORATION

To change frequencies to 161.64., 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th day of September , 1967



tdh

F.C.C. - Washington, D. C.

FEDERAL COMMUNICATIONS CONSISSION

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No	BMLRE-1820
Call Letter	s KJ-4327
Modificatio	n Mn. 1

### **MODIFICATION OF LICENSE**

Associated Broadcast Station	KWKH-FM	Shreveport	Louisiana	Å
	KWKH	•		
Licensee: INTERNATIONAL BRO	ADCASTING COP	RPORATION		
L				
		*		
٢		٦		
	, ,	Class of station)		

To change frequencies to 161.64, 161.76 mcs, emission 30F3

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 12th ay of September , 19 67



FEDERAL COMMUNICATIONS COMMISSION

Secretary

To: Mr. T. A. Wright

From: O. S. Droke, KWKH, Shreveport

The attached copy of license for KRU-73 (Modified as of June 6, 1967) is for your files.

O. S. Droke

ROUTING

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#### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

CP NOT ISSUED File No. BLST-319

Call Letters ... KRU-73

### RADIO BROADCAST STATION LICENSE

Modified as of June 6. 1967 AURAL STL (Class of stitles)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

#### INTERNATIONAL BROADCASTING CORPORATION

bereby authorized to use and operate eginning June 6, 1967		(3 a. m. Eastern stand	lard time)	, =
1. Frequencies: 942.4, 942.	65 mcs.			
2. Frequency tolerance: .005%				
3. Types of emission: 430F3	•			
4. With an output power not in exces	se of			
5. Hours of operation - Unlimited				
6. Transmitter location (if base stat City or TownShraweport Street and numberPatroleu	mTowerTexas.&Ed	wards Street		,
North Latitude: Degrees			Seconds	50
West Longitude: Degrees	s to be operated:	<u>24</u>	Seconds	
KWKH, KWKH-FM, Sh 8. Description of transmitting appare	reveport, Louisiana <sub>stus:</sub>			

Antenna System:

Two Scala PR-450 semi-parabolic antennas mounted on 20-foot

pipe mast atop 14-story building, overall height above ground, 201 feet. Direction of main radiation lobe, 328.70

true.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and

that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not west in the licensee any right to operate the station nor any right in the use of the frequencies design nated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

TED\_June 6, 1967

FEDERAL COMMUNICATIONS COMMISSION.

Bon F. Wall Secretary.

bt

F.C.C. - WASHINGTON, D. C.

# UNITED STATES OF AMERICA File No. BRRE-11074 FEDERAL COMMUNICATIONS COMMISSION Call Letters KGN-258

# CERTIFICATE OF RENEWAL OF LICENSE

		PICKUP BASE		
	(C	iess of station)		
			NOT VALID UNLESS POST	ED WITH LICENSE
			File No. BLRE-12855	
			License term ending June	1, 1967
		٦	() a.m. e	istera stamming time)
ensee I	INTERNATIONAL BROADCASTING	CCRPORATION		
! Dece	KWKH  Adeast Station KWKH-FM	Shraveno	ct Louisiana	
ociated Bros	Call letters	City	State	
lia	his certificate serves as a cense on the same conditions for the term endi	ons and in acc	ordance with the sam June 1 . 19	е
lia	his certificate serves as a cense on the same condition covisions for the term endi	ons and in acc	ordance with the sam	е
This license gnated in the	cense on the same condition covisions for the term ending shall not vest in the licensee any right license beyond the term hereof, nor in hereunder shall be assigned or otherwise to the right of use or control by the tof 1934.	ons and in acc ing (3 a.m. eas  th to operate the st any other manner th se transferred in vi Government of the U	ordance with the sam June 1 , 19  tern standard time)  ation nor any right in the use an authorized herein. Neither colation of the Communications And itself States conferred by sections.	e 70 .  of the frequency the license nor ct of 1934. This
This license gnated in the right granted onse is subject	cense on the same condition covisions for the term ending shall not vest in the licensee any right license beyond the term hereof, nor in hereunder shall be assigned or otherwist to the right of use or control by the	ons and in acc ing (3 a.m. eas  th to operate the st any other manner th se transferred in vi Government of the U	ordance with the sam June 1 , 19 tern standard time)  ation nor any right in the use of an authorized herein. Neither colation of the Communications Aunited States conferred by section 1967.	of the frequency the license nor ct of 1934. This on 606 of the
This license gnated in the right granted onse is subject	cense on the same condition covisions for the term ending shall not vest in the licensee any right license beyond the term hereof, nor in hereunder shall be assigned or otherwise to the right of use or control by the tof 1934.	ons and in acc ing (3 a.m. eas  th to operate the st any other manner th se transferred in vi Government of the U	ordance with the sam June 1 , 19 tern standard time)  ation nor any right in the use of an authorized herein. Neither colation of the Communications Aunited States conferred by section 1967.	of the frequency the license nor ct of 1934. This on 606 of the
This license gnated in the right granted unications Act	shall not vest in the licensee any rigilicense beyond the term hereof, nor in hereunder shall be assigned or otherwite to the right of use or control by the tof 1934.  Dated this 22ndday of	ons and in acc ing (3 a.m. eas  the to operate the st any other manner th se transferred in vi Government of the U	ordance with the sam June 1 , 19 tern standard time)  ation nor any right in the use of an authorized herein. Neither colation of the Communications Aunited States conferred by section 1967.	of the frequency the license nor ct of 1934. This on 606 of the
This license gnated in the right granted unications Act	shall not vest in the licensee any rigilicense beyond the term hereof, nor in hereunder shall be assigned or otherwite to the right of use or control by the tof 1934.  Dated this 22ndday of	ons and in acc ing (3 a.m. eas  th to operate the st any other manner th se transferred in vi Government of the U	ordance with the sam June 1 , 19 tern standard time)  ation nor any right in the use of an authorized herein. Neither colation of the Communications Aunited States conferred by section 1967.	of the frequency the license nor ct of 1934. This on 606 of the
This license gnated in the right granted unications Act	shall not vest in the licensee any rigilicense beyond the term hereof, nor in hereunder shall be assigned or otherwite to the right of use or control by the tof 1934.  Dated this 22ndday of	ons and in acc ing (3 a.m. eas  the to operate the st any other manner th se transferred in vi Government of the U	ordance with the sam June 1 , 19 tern standard time)  ation nor any right in the use an authorized herein. Neither colation of the Communications Anited States conferred by section 1967.	of the frequency the license nor ct of 1934. This on 606 of the

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-11075 call Letters KGN-259

## CERTIFICATE OF RENEWAL OF LICENSE

		REM	(Class of station)	(IGBS)	
				NOT VALID UNLES	SS POSTED WITH LICENSE
				File No. BLRE-1	2856
			٦	License term ending	June 1, 1967 (3 s.m. eastern standard time)
.icensee IN	NTERNATIONAL	BROADCASTING	CORPORATION		
ussociated Bros	adcast Station _	KWKH KWKH-FM	Shrevepor	t Louisiar	na
lie	cense on the	e same condit	a renewal of the tions and in according (3 a.m. caste	rdance with the	
signated in the me right granted	license beyond the hereunder shall be t to the right of	ne term hereof, nor be assigned or other	in any other manner than	authorized herein.	ations Act of 1934. This
	Dated th	is 22ndday of	May	_, 1957.	
A 12					
rc rc					OMMUNICATIONS COMMISSION
rc		F.C.C.	- Washington, D. C.		ecretary

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10437
Call Letters KFY-363

### CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP PASE
(Class of station)

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12226
License term ending June 1, 1967 (3 s.m. eastern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

Associated Broadcast Station KWKH-FM Shreveport Louisiana
Call letters City State

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending  $\underbrace{\text{June 1}}_{\text{(3 s.m. eastern standard time)}}$ ,  $\underbrace{19\_70}_{\text{(3 s.m. eastern standard time)}}$ 

This license shall not west in the licensee any right to operate the station nor any right in the use of the frequency ignated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.



Dated this 22nday of May , 1967.

F.C.C. - Washington, D. C.

FEDERAL COMMUNICATIONS COMMISSION

Ren 1. Wafle Secretary

31

PCC Form 360-C Jan, 1953

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

ile	No. BRST-168	
all	Letters KRU-73	

CERTIFICATE OF RENEWAL OF LICENSE AURAL STL (Class of station) NOT VALID UNLESS POSTED WITH LICENSE File No. BLST-209 License term ending June 1, 1967 (3 a.m. eastern standard time) INTERNATIONAL BROADCASTING CORPORATION Licensee KWKH. Shreveport Louisiana Associated Broadcast Station KKH-FM Call letters This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same June 1 , 19 70 . provisions for the term ending \_\_\_\_ (3 a.m. eastern standard time) This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency esignated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934. Dated this 22nd day of \_\_\_\_\_\_\_, 19 27. FEDERAL COMMUNICATIONS COMMISSION

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No. E	RRE-10432
Call	!etter	s KJ-4323

## **CERTIFICATE OF RENEWAL OF LICENSE**

	-	REMOTE I	LCKUP MOBIL	25		
r		(Class	of station)			
ı			7			
				NOT VALID UN	LESS POSTED WITH LICE	ENSE
				File No. BLR	E-12221	
L			١	License term em	ding June 1, 1967	
Licensee	INTERNATIONAL BROADO	ASTING CORP	ORATION			
	KWKH					
Associated E	roadcast Station KWKH-F	M	Shreveport	Louis	iana	
	This certificate serv license on the same provisions for the te	conditions a	ind in accor	dance with une 1,		
			(3 a.m. eastern	Contract of the Contract of th		
			() a.m. enstern	standard (ime)		
designated in the right gran	nse shall not vest in the licen the license beyond the term here ted hereunder shall be assigned ject to the right of use or con Act of 1934.	eof, nor in any o or otherwise tra	operate the stati ther manner than naferred in viola	on nor any right authorized herein tion of the Comma	n. Neither the license no unications Act of 1934. The	r
designated in the right gran license is sub	the license beyond the term here ted hereunder shall be assigned ject to the right of use or con-	eof, nor in any of or otherwise tran trol by the Govern	operate the stati ther manner than naferred in viola nament of the Unit	on nor any right authorized herein tion of the Comma ed States conferr	n. Neither the license no unications Act of 1934. The	r
designated in the right gran license is sub	the license beyond the term here ted hereunder shall be assigned ject to the right of use or con Act of 1934.	eof, nor in any of or otherwise tran trol by the Govern	operate the stati ther manner than naferred in viola nament of the Unit	on nor any right suthorized herein tion of the Command States confers	n. Neither the license no unications Act of 1934. The	r his
designated in the right gran license is sub Communications	the license beyond the term here ted hereunder shall be assigned ject to the right of use or con Act of 1934.	eof, nor in any of or otherwise tran trol by the Govern	operate the stati ther manner than naferred in viola nament of the Unit	on nor any right authorized herein tion of the Communication of States confers , 19 67 .  FEDERAL	n. Neither the license no mications Act of 1934. The red by section 606 of the	r his

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No.	BRRE-10433
Call	Letters	KJ-4324

# CENTIFICATE OF DENEMAL OF LICENSE

			EMOTE PICKUP MOBI	
-			(Ciess of station)	
				NOT VALID UNLESS POSTED WITH LICENSE
				File No. BLRE-12222
•			١	License term ending June 1, 1967 (3 a.m. eastern standard time)
Licensee	INTERNATIONAL	BRCADCASTING	CORPORATION	
Associated	i Broadcast Station _	KWKH KWKH-FM Call letters	SHREVEP ORT	Louisiana State
			a renewal of the	reference radio station

license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.



Dated this 22ndday of May , 19 67.

FEDERAL COMMUNICATIONS COMMISSION

Ren 7. Washen Secretary

FCC Form 360-C

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10434 Call Letters KJ-4325

## CERTIFICATE OF RENEWAL OF LICENSE

REMOTE PICKUP MOBILE
(Class of station)

International Broadcasting Corp.
Petroleum Tower
Texas and Edwards Streets
P.O. Box 1130
Shreveport, Louisiana 71102

NOT VALID UNLESS POSTED WITH LICENSE

File No. BLRE-12223

License term ending June 1. 1967
(3 a.m. castern standard time)

Licensee INTERNATIONAL BROADCASTING CORPORATION

WKKH

Associated Broadcast Station KWKH±FM

Shreveport

Louisiana

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.



Dated this 22ndlay of May , 19 67.

FEDERAL COMMUNICATIONS COMMISSION

Ren 1. Wafle.
Secretary

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# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10		3RRE-10435
	Letters	kJ=4326

CERTIFICATE OF RENEWAL OF LICENSE REMOTE PICKUP MOBILE (Class of station) NOT VALID UNLESS POSTED WITH LICENSE File No. BLRE-12224 License term ending Jane 1, 1967 (3 a.m. eastern standard time) Licensee INTERNATIONAL BROADCASTING CORPORATION KWKH KWKH-FM Shreveport Louisiana Associated Broadcast Station \_ This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same June 1, provisions for the term ending \_ (3 a.m. eastern standard time) This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934. Dated this 22ndday of May 19 67. FEDERAL COMMUNICATIONS COMMISSION

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Ren I. Waffe

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BRRE-10436 Call Letters KJ-4327

# CEPTIFICATE OF DENEMAL OF LICEUSE

		PICKUP MOBILE	
۲		ess of station)	
			NOT VALID UNLESS POSTED WITH LICENSE
			File No. BLRE-12225
L		1	License term ending June 1, 1967 (3 a.m. eastern standard time)
Licensee	INTERNATIONAL BROADC.STI CON	PORATION	
	KWKH.		
Associated	Broadcast Station KWKH-FM Call letters	Shreveport City	Louisiana State
	This certificate serves as a r license on the same conditions provisions for the term ending	s and in accor	dance with the same
		(3 a.m. eastern	standard time)
the right gra	cense shall not west in the licensee any right in the license beyond the term hereof, nor in an anted hereunder shall be assigned or otherwise of ubject to the right of use or control by the Government of 1934.	A October distributed (1981) 1	suthorized herein. Neither the license nor
	Dated this 22ndday of	May	. 19 67 .

F.C.C. - Washington, D. C.

Ron 1. Wafle
Secretary

FEDERAL COMMUNICATIONS COMMISSION

#### Milt:

The attached copies of licenses for KGN 258 and 259 are for your files. We could not recall if you had received copies of these for your files.

NOUTING IAW

O. S. Droke

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BLRE-1 2855.

CP NOT ISSUED

Call Letters ... KGN - 258. Official No. 11974

# RADIO BROADCAST STATION LICENSE

REMOTE PICKUP BASE (ERS.) (Class of station)

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or bereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

	uthorized to use and operate the radio	IONAL PROADCAS	s, hereinafter des	cribed, for radio bro	adcasting for the term
hereby a	February 28, 1966	, and ending	991.4		only in accordance
_	Music me Remote sensionizates in lowing terms:		(3 a. m. Eastern at	andard time)	
1. Free	quencies: 161.64, 161.76 mcs				
2. Free	quency tolerance: .005%	~			
3. Typ	es of emission: 30F3	32.2	/		
4. With	an output power not in excess of	25 watts.			
	f Hall-lead				
City	nsmitter location (if base station): State or Town	er Gam Road			
	22	Minutes	42	Seconds	
Ver	th Latitude: Degrees	Minutes	52	Seconds	24
7. Bro	adcast station with which it is to be o	operated:			
KW	KH, KWKH-FM, Shreveport, I	Louisiana			
8. De:	scription of transmitting apparatus:				
MA	RTI M-25C	25 watts			

Antenna system: Marti YC-161 5-element Yagi antenna mounted on a 20-feet mast on moof of 23.5-foot KWKH transmitter building, overall height above ground 43.5 feet.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of say hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and

that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensae shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full estess

of the privileges herein conferred. This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license not the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

DATED Tebruary 28, 1966

FEDERAL COMMUNICATIONS COMMISSION.



F.C.C. . WASHINGTON, D. C.

Secretary

Form 356

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. BIRRel 2856 ...

Call Lessers .... KGNm 259

# RADIO BROADCAST STATION LICENSE

Official No. 11075

(18) REMOTE PICKUP BASE

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretotore or ereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the LICENSEE,

APTON
CORPORATION (for radio broadcasting for the term only in accordance
hereinafter described, 107
s, hereinafter described, for radio broadcasting for the term only in accordance  June 1, 1967  (3 a. m. Eastern standard time)
(3 a. m. Eastern standard time)
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County Ceddo
A
Center)
County Caddo Count
30
Seconds
Seconds 01 Seconds 18
Seconds
and on a 20-foot
t Yagi antenna mounted on a 20-foot Defense Center Building, overall
Center Building, Overall
Defense Center Building, overall feet.
feet.
5 feet.

The Commission reserves the right during said license period of terminating this license or making effective any changes or The Commission reserves the right during said license period of terminating this license or making effective any changes of modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commission of this license period or control of the Commission prior to the commission of this license period or control or contro modification of this ficense which may be necessary to comply with any decision of the Commission rendered as a result of any decision rendered as a result of any such hearing which has been depicted by not held print to the commencement of this license period of any decision rendered as a nearing neig under the rules of the Commission prior to the commencement of this license period or any decision renderesult of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the license is issued on the license is issued on the license. It of any such hearing which has been designated but not held, prior to the commencement of this licensee period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and the statements contained in licensee's application. The licensee's representation that the statements contained are in condition.

that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall during the term of this licensee, reader such remains an all secure public interests. that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or secessity to the full extent

e privileges nerein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designed to the license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designed.

National hands the same hands are in any other manner than surfacing the license hands. This license shall not west in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein any other manner than authorized herein. nated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer in granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer to of control of the licensee, if a corporation, to any person without the written consent of the Communications Act of 1934. The right of use or control by the Government of the United Scates conferred by section 606 of the Communications Act of 1934. FEDERAL COMMUNICATIONS COMMISSION,

DATED February 28, 1966

75

Bon F. Wafle Secretary.

F.C.C. - WASHINGTON, D. C.

World Radio History

FCC Form 360 Dec. 1952

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No. BR-452
Call	Letters KyKii

# CERTIFICATE OF RENEWAL OF LICENSE STANDARD BROADCAST STATION

Intermational Broadcasting Corporation Radio Station & W & H Commercial Building PO Box 1130 Shreveport, Louisiana

NOT VALID UNLESS POSTED WITH LICENSE

File No. BR-452

License term ending June 1, 1955

(3 a.m. eastern standard time)

Licensee

INTERNATIONAL BRUADCASTING CORPORATION

This certificate serves as a renewal of the reference radio station license on the same conditions and in accordance with the same provisions for the term ending \_\_\_\_\_\_\_, 19\_67\_.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

Dated this 28th day of hay

, 19 64

FEDERAL COMMUNICATIONS COMMISSION

F.C.C. - Washington, D. C.

AUG 1 2 1964

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FCC\* Form 360 Dec. 1952

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No. B	1-452
Cali	Letters	KwaH

# CERTIFICATE OF RENEWAL OF LICENSE STANDARD BROADCAST STATION

۲	٦	
International amondmentine Commen		NOT VALID UNLESS POSTED WITH LICENSE
International proadcasting Corporation August Station August Commercial Bldg.	ation	File No. Bit 152
Box 1387 Enreveport, Louisiana	٦	License term ending June 1 1955 (3 a.m. eastern standard time)
Licensee INTERNATIONAL BRUADGASTING	G CCHPONATION	1 -
Station location: Statebouisiana	City _>hre	eveport
Douisiana	•	
This certificate serves license on the same con		e reference radio station ordance with the same
provisions for the term	ending Jung Aleas	ern standard time)
This license shall not vest in the licensee as designated in the license beyond the term hereof, if the right granted hereunder shall be assigned or of license is subject to the right of use or control to Communications Act of 1934.	nor in any other manner the therwise transferred in vic	plation of the Communications Act of 1934. This
		1
Dated this 1st day of	June	, 19 <del>_61</del> .
		FEDERAL COMMUNICATIONS COMMISSION
Camis Mr. D. C.2		men f. Walla
F.C	C.C Washington, D. C.	Acting Secretary
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FCC Form 360 Dec. 1952

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# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File	No	BR-452
Call	Letters _	KVKI

# CERTIFICATE OF RENEWAL OF LICENSE STANDARD BROADCAST STATION

International Broadcasting Corp.
Radio Station K W K H
Commercial National Bank Bldg.,
Texas and Market Streets
Shreveport, Louisiana

Licensee INTERNATIONAL BROADCASTING CORPORATION

Station location: State \_\_\_\_\_ City \_\_\_\_ Shape \_\_\_\_

This license shall not west in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

Dated this 154 day of \_\_\_

\_ , 19\_55 .

FEDERAL COMMUNICATIONS COMMISSION

77 1071

Secretary

FOR PENCIL HOTES REGARDING PROBLEM OF NUTBAL INTERFERENCE
WITH OTHER GLASS I STATIONS FROM DATTIME SEYMAVE, AND
REGARDING LIST OF TIMES TO CHANGE PATTERNS TO PROVIDE
MUTUAL PROTECTION; SEE FRONT E OF REDICOVER ON SOCKET
8333 IN REGARD TO ABC GLERETS

### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. RR 152 Call Letters KUKH

### STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1984, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, 1/the LICENSEE

INTERNATIONAL BROADCAS	STING CORPORATION
is hereby authorized to use and operate the radio transmitting appara	tus hereimafter described for the purpose of broad-
casting for the term beginning May 1 , 1954 , (3 a.m., Eastern Standard Time)	and ending June 1, , 1955 (3 a.m., Eastern Standard Time)
The licensee shall use and operate said apparatus only in accor-	dance with the following terms:
1. On a frequency of 1130 kc.	common point current, 12.1 amperes
2 With 50 kilo watts power X directional antenna nighttime	common point resistance, 330 ohms
	antenna current, 22.9 amperes
and 50 kileatts power non directional antenna daytime	antenna resistance, 95 ohms
3. During the following period or periods of time: Unlimited	time.
Average hours of local sunrise and sunset:	/ 00
Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to	
Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to	
May 5:15 am to 7:00 pm; June 5:00 am to	
July 5:15 am to 7:30 pm; Aug. 5:45 am to Sept. 6:00 am to 6:30 pm; Oct. 6:15 am to	
Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to	
4. Wit Central Standard Time.	, J. I.J. p. 1.
Shreveport, Louisiana	
E Wish she main studio located at:	
6. With the main studio located at: Commercial National Bank Bldg.	
Texas and Market Streets	
The apparatus refer authorized to be used and operated is loca	ated at:
Gamm Road	North Lat. 32 42 15
Dixie, Louisiana	0 ' "
DIAIO, DOULDIGHA	West Long. 93 52 52
and is described as follows: RCA MFG. CO., Type BTA-50-	Fl. Broadcasting Transmitter.

Last radio stage: two 25 kilowatt vacuum tubes for high level modulation.

Obstruction marking specifications in accordance with FCC Form 715 attached.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, reader such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vestin the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

 $\mathcal{U}$  This license consists of this page and pages 2, 3, and 4 

FEDERAL COMMUNICATIONS COMMISSION,

Secretary



#### 1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- N

No. and Type of Elements:

Three guyed, uniform cross section, vertical radiators. A 54' FM antenna included in the

height of the southwest tower.

Height above Insulators:

Northeast and center, 4781; Southwest, 4441

(including FM antenna).

Overall Height:

Northeast and center, 4841; Southwest, 4501.

Spacing and Orientation:

279' (115.3°) between adjacent towers.

Line of towers bears 25°

Non-Directional Antenna:

Center tower with northeast and southwest

towers grounded.

Oround System consists of 120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS  Phasing:	Northeast Tower (1) 90°	Center <u>Tower (2)</u> O <sup>O</sup>	Southwest Tower (3) -90°
Field Ratio:	1.0	1.835	1.0
3. OPERATING SPECIFICATIONS			
Phase Indication: *	95•5°	00	-103°
Antenna Base Current Ratio:	1.0	2.77	2.07
Phase Monitor Sample Current Ratio:	1.0	1.94	1.15

As indicated by RCA WM-30-A phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour. Phase monitor sample currents may be read and logged in lieu of base currents provided base currents are read and logged at least once \_\_\_\_\_daily

### DESCRIPTION OF AND FIELD INTENSITY AT MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.3 mv/m.

KWKH

Point #2, direction of 57° true North. Proceed from the NWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mv/m.

Point #3, direction of 316° true North. Proceed from the NVKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mv/m.

BP-452

KWKH

1-11-54

### NOTICE OF CHANGE IN ANTENNA MARKING SPECIFICATIONS

Notice is hereby given that the obstruction marking specifications which are a part of your previous station authorization are changed to paragraph numbers 1, 3, 12 and 21 of FCC Form 715. (over)

The new specifications are in accordance with Commission action, effective January 1, 1954, amending Section 17.43 of Part 17 (Rules Concerning the Construction, Marking and Lighting of Antenna Towers and Supporting Structures.) Pursuant to that action taken in the interest of safety of air navigation, antenna structures painted in accordance with any previous specification, shall be painted so as to conform to the present requirements of paragraph 1 of FCC Form 715 at the time when repainting of the structure is necessary under Section 17.39 or in no event later than January 1, 1960. Further, antenna structures lighted at the top by 25 or 40 watt bulbs or by only a single 100 or 111 watt bulb, shall be lighted by two 100 or 111 watt bulbs in accordance with paragraph 2 of FCC Form 715 not later than one year from the date of the attached station authorization.

The enclosed authorization shall be considered a grant as modified of your application unless rejected by a written notice within 30 days from the date of the authorization. Such rejection should include a statement of the reasons why you believe the application should be granted as originally requested and whether a hearing is desired upon the modification.

This notice is issued in accordance with Section 309(b) of the Communications Act of 1934, as amended July 16, 1952.

\*Par. 1, 3, 12 (Modified to require side lights at the 375, 275, 175 and 75 foot levels), 21.

# OBSTRUCTION MARKING ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

It is to be expressly understood that the issuance of these specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

- Astenna structures shall be painted throughout their height with alternate bands of aviation surface orange and white, terminating with aviation surface orange bands at both top and bottom. The width of the bands shall be approximately one-seventh the height of the structure, provided however, that the bands shall not be more than 40 feet nor less than 1-1/2 feet in width. All towers shall be cleaned or repainted as often as necessary to maintain good visibility.
- There shall be installed at the top of the tower at least two 100- or 111-watt lamps (#100 A21/TS or #111 A21/TS, respectively) sectioned in aviation red obstruction light globes. The two lights shall burn simultaneously from sunset to suntise and shall be positiosed so as to insure unobstructed visibility of at least one of the lights from aircraft at any angle of approach. A light sensitive control device or an astronomic dial clock and time switch may be used to control the obstruction lighting in lies of manual control. When a light sensitive device is used it should be adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.
- There shall be installed at the top of the structure one 300 m/m electric code beacon equipped with two 500 or 620-watt lamps (PS-40, Code Beacon type), both lamps to born simultaneously, and equipped with aviation red color filters. Where a rod or other construction of not more than 20 feet in height and incapable of supporting this beacon is mounted on top of the structure and it is determined that this additional construction does not permit unobstructed visibility of the code beacon from aircraft at any angle of approach, there shall be installed two such beacons positioned so as to insure unobstructed visibility of at least one of the beacons from sircraft at any angle of approach. The beacons shall be equipped with a flashing mechanism producing not more than 40 flashe per minute nor less, than 12 flashes per minute with a period of darkness equal to one-half of the luminous period.
- 4 Atapproximately one-half of the overall height of the tower one similar flashing 300 m/m electric codo beacon shall be installed in such position within the tower proper that the structural members will not impair the vinsibility of this beacon from aircraft as any angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposits sides of the tower at the prescribed height.
- At approximately two-fifths of the over-all height of the tower one similar flashing 300m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event this beacon cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any angle of approach, there shall be installed two such beacons. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 6 On levels at approximately two thirds and one third of the over-all height of the tower one similar flashing 300 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will sot impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of it from aircraft at any angle of approach, there shall be installed two such beacons. Each beacon shall

- be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 7 On levels at approximately foursevenths and two-sevenths of the overall height of the tower one similar flashing 330 electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any angle of approach, there shall be installed two such beacons, at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed height.
- 8. On levels at approximately three-fourths, one-half and one-fourth of the over-all height of the tower one similar flashing 800 m/m electric code beacon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this beacon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the beacons from aircraft at any angle of approach, there shall be installed two such beacons, at each level. Each beacon shall be mounted on the outside of diagonally opposite corners or opposite aides of the tower at the preacribed height.
- 9. On levels at approximately twothirds, four-ninths and two-ninths of the overall height of the tower one similar flashing
  300 m, m electric code beacon shall be installed
  in such position within the tower proper that
  the structural members will not impair the visibility of this beacon from aircraft at any angle
  of approach. In the event these beacons cannot be installed in a manner to innure unobstructed visibility of the beacons from aircraft
  at any angle of approach, there shall be installed two such beacons at each level. Each
  beacon shall be mounted on the outside of
  diagonally opposite corners or opposite sides
  of the tower at the prescribed height.
- 10. On levels at approximately four-fifths, three-fifths, two-fifths, and one-fifth of the tower ore similar flashing 300 m/m electric code headon shall be installed in such position within the tower proper that the structural members will not impair the visibility of this headon from aircraft at any angle of approach. In the event these beacons cannot be installed in a manner to insure unobstructed visibility of the headons from aircraft at any angle of approach, there shall be installed two such headons at each shall be installed two such headons at each level. Each headon shall be mounted on the outside of diagonally opposite corners or opposite sides of the tower at the prescribed headsts.
- 11. At the approximate mid point of the over-all height of the tower there shall be installed at least two 100- or 111-watt lamps (#100 A21 TS or #111 A21 TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.
- 12. On levels at approximately two-thirds and one-third of the over-all he ght of the tower, there shall be installed at least two 100-r 111-watt lamps (#100 A21, TS or #111 A21, TS, respectively) enclosed in aviation red obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.
- 13. On levels at approximately three-fourths and one-fourth of the over-all height of the tower, at least one 100- or 111-watt lamp

- (#100 A21/TS or #111 A21/TS, respectively) enclosed is an aviation red obstruction light globe shall be installed on each outside coracr of the tower at each level.
- 14. On levels at approximately four-fifths, three-fifths and one-fifth of the over-all height of the tower, at least one 100-or 111-wait lamp (#100 A21/TS or # 111 A21/TS, respentively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.
- 15. On levels at approximately fivesixths, one-half, and one-sixth of the over-all height of the tower, at least one 100- or 111-axit lemp (#100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside corner of the tower at each level.
- 16. On levels at approximately six-sevenths, five-sevenths, three-sevenths and one-seventh of the tower at least one POO or 111-watt ismp (\*100 A21/TS or #111 A21/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed or sech outside corner of the structure.
- 17. Co levels at approximately seveneighths, five-eighths, three-eighths, and oneeighth of the over-all height of the tower, at least one 180- or 113-watt lamp (#100 A21/TS or #111 AE1/TS, respectively) enclosed in an aviation red obstruction light globe shall be installed on each outside comer of the structure.
- 18. On levels at approximately eightninths, seven-ninths, five-ninths, one-third and one-ninth of the over-all height of the tower, at least one 100- or 111-watt lamp (# 100 A21 TS or # 121 A21/TS, respectively) enclosed in an aviation red obstruction light glove shall be installed as each cutside corner of the tower at each level.
- 19. On levels at approximately nine-tenths, seven-tenths, one-half, three-tenths, and one-tenth of the over-all height of the tower, at least one 100- or 111-watt tamp (#100 A21/TS r # 111 A81/TS, respectively) enclosed in an avisition red obstruction light globe shall be installed on each outside corner of the tower at each level.
- 20. All lighting shall be exhibited from susset to sunrise unless otherwise specified.
- 21. All lights shall burn continuously or shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a northaky light intensity level of about 55 foot candles and turned off at a north ky light intensity level of shout 54 foot candles.
- 22. During construction of an antenna structure, for which of truction lighting its required, at least two 100 or 111-wast lamps (\$100 A21/TS or \$111 A21 TS, respectively) enclosed in aviation red obstruction light globos, shall be installed at the uppermont point of the structure. In addition, as the height of the structure exceeds each level at which permanent onstruction light will be required, two similar lights shall be installed at each such level. These temporary warning lights shall be displayed nightly from sunset to sourise until the permanent obstruction lights have been in tailed and placed in operation, and shall be positioned no as to insure unobstructed visibility of at least one of the lights at any angle of approach. In lieu of the above temporary warning lights, the permanent obstruction lighting fixtures may be installed and operated at each required level as each such level is exceeded in height during construction.

FCC Form 390 February 1954

#### UNITED STATES OF AMERICA

#### FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON 25 D. C.

RENEWAL

INTERNATIONAL BROADCASTING CORPORATION RADIO STATION K W K H P. O. BOX 1387 COLMERCIAL BUILDING SHREVEPORT, LOUISIANA

#### NATIONAL DEFENSE EMERGENCY AUTHORIZATION

Under Section 2.407 of the Commission's Rules, the Standard Broadcast Station described below may be used and operated for the purpose of participating in the Control of Electromagnetic Radiation project (CONELRAD), in accordance with the requirements hereinafter set forth, and the CONELRAD Rules and Regulations, Subpart G of Part 3 of the Commission's Rules.

Call Letters:

KWKH

Located at:

Shreveport, Louisiana

Licensee:

INTERNATIONAL BROADCASTING CORPO ATION

Frequency:

1240 kc

Effective radiated power: Not in excess of 10KW

Station identification: No station identification shall be used unless specifically authorized by the Commission.

Term of authorization: From the date of issuance shown below until the expiration date of the currently outstanding regular station license of the station, Provided, however, that this authorization may be changed or cancelled by the Commission at any time without the necessity of a hearing if in the judgment of the Commission such change or cancellation is necessary.

Licensed operator requirements: The licensed operator requirements applicable to operation of the station under its regular station license shall apply to operation under this authorization.

Date of issuance:

April 14, 1954



Mary Jan Morris

Mary Jane Mofris, Secretary. F. C. C. Form No. 856

# UNITED STATES OF AMERICA

FEDERAL COMMUNICATIONS COMMISSION

File No. BRRY-19

Official No. 19

# RADIO BROADCAST STATION LICENSE

REMOTE PICKUP BROADC

Call letters KA-8647

	(Class of		
Subject to the provisions	of the Communications Act of	1934, subsequent acts and	treaties, and all regulations here-
tofore or hereafter made by this the LICENSEE,	Commission, and further subj INTERNATIONAL BE	ect to the conditions and rec LOADCASTING CORPORA	quirements set forth in this license,
is hereby suthorized to use and	operate the radio transmitting	g apparatus, hereinafter	described, for radio broadcasting fune 1, 19.55 m. Eastern standard (lme)
only in accordance with the following	owing terms:	, · · · ·	
1. Frequencies (kc):	1646		
<ol> <li>Frequency tolerance:</li> <li>Types of emission:</li> </ol>	0.02% 10 <b>A</b> 3		
4. With an output power i	not in excess of50	watts.	
5. To operate:	As a remote pickup l	proadcast station	
	in accordance with		
6. Hours of operation:	In accordance with S	Section 4.403.	
7. (a) Location of transm			THE PROPERTY OF THE PARTY OF
State	County	Ci	ty or town
Street and nun N latitude: D	nder	minutes	, seconds
W. longitude:	Degrees	, minutes	, seconds
(b) Relay: Portable—I	Mobile, standard broadcast sta	tion with which it is to be o	
8. Location of main studio	):		
			y or town
9. Apparatus authorized	to be used is described as follo 2	owa:	4
MANUFACTURER	TYPE	SERIAL NO.	rated power (watts)
Composite		_	50
	A COUNTY OF LEASE		
The Commission reserves	the right during said licens	e period of terminating the	his license or making effective any

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license thall not yest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred, assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by action 606 of the Communications Act of 1934.

۰.	Dated this	21
	KENERY	

day of April , 19 54.

BY DIRECTION OF THE FEDERAL COMMUNICATIONS COMMISSION,

[SEAL]

Mary Jan Mornis

Secretary.

# UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

# MODIFICATION OF LICENSE STANDARD BROADCAST STATION

File No. BS-452
Call Letters K W K R
Modification No. 1

International Broadcasting Corporation Radio Station K W K H Shreveport, Texas

Licensee: INTERNATIONAL BROADCASTING CORPORATION

The Authority Contained in Authorization File No. BR-452

dated April 12, 1951 granted to the Licensee listed above is hereby modified in part as follows:

Description of new monitoring point No.1:

Point #1, direction of 2° true North. Froceed from the KWKH plant entrance 3.2 miles north along Gamm Road, 0.15 mile east along Self Road. Point is 200' south of Self Road in a pasture. The distance is 2.77 miles from the center tower of the KWKH array. The field intensity measured at this point should not exceed 42.3 my/m.

This modification of license shall be attached to and be made a part of the license of this station.

Except as herein expressly modified, the above-mentioned license, subject to all modifications heretofore granted by the Commission, is to continue in full force and effect in accordance with the terms and conditions thereof and for the period therein specified.

Dated this 17th day of April , 19 53.



FEDERAL COMMUNICATIONS COMMISSION

### UNITED STATES OF AMERICA

FEDERAL COMMUNICATIONS COMMISSION

File No. BPRY-19

# RADIO BROADCAST STATION LICENSE

Official No. 19

REMOTE PICEUP BROADCAST

Call letters KA-8647 Formerly KILB

tofore or her the LICENS is hereby au for the terr only in acco  1. Freq	reafter made by this Con SEE, INT	nmission, and further su ERNATIONAL BROAD rate the radio transmit - Eastern standard time) ng terms:	bject to the conditions and CASTING CORPORATIO ting apparatus, hereinafte., 1951, and ending (1953)	nd treaties, and all regulations here requirements set forth in this license of the second set of the second secon			
the LICENS is hereby au for the terr only in acco  1. Freq	SEE, INT.  uthorized to use and ope m beginning 18 m.  rdance with the following	FRNATIONAL BROAD rate the radio transmit  Eastern standard time) ng terms:	casting corporation ting apparatus, hereinafter, 19.51, and ending (19.53)	or described, for radio broadcasting May 1, 19.54 a.m. Eastern standard time)			
is hereby au for the terr only in acco  1. Freq	nthorized to use and ope m beginning	rate the radio transmit - Eastern standard time) ng terms:	ting apparatus, hereinafte	er described, for radio broadcasting  May 1, 19.54  a. m. Eastern standard time)			
for the terronly in acco	m beginning (3 a. m. rdance with the following	Eastern standard time) ng terms:	., 19.51, and ending (s	May 1 , 19.54 a. m. Eastern standard time)			
only in acco 1. Freq	rdance with the following	ng terms:	9830 * Frequenc				
• 1. Freq				y assignment subject to			
	quencies (kc) 1046,	2090, 2190 and		ry assignment subject to			
0 F			change i	in accordance with the			
O Erro				in s in Docket No. 6651.			
Z. Free	quency tolerance: 0.	.02					
	CONTRACTOR OF STREET ASSESSMENT	)A3					
4 117741	h an output power not in	50	watte				
5. To o	perate: As a remot						
	in accord	unce with Section	1 4.431				
	rs of operation: In a Location of transmitter		3.400				
	State	County.		City or town			
	Street and number						
	N. latitude: Degree	28	, minutes	seconds			
	W. longitude: Deg	rees	, minutes	, seconds			
(b)	Relay: Fortable Modific KNKM, Shre	e, standard broadcast s	tation with which it is to be	operated:			
	Location of main studio:						
				Titus on town			
	State	County	****	ity or wwn			
	StateStreet and number						
	Street and number			4			
9. Арр	Street and number aratus authorized to be		ollows:				
9. App	Street and number aratus authorized to be	used is described as fo	ollows:	4 RATED POWER			

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision tendered as a result of any such hearing which has been designated but not held, prior to the commencement of

decision rendered as a result of any such hearing which has been designated.

C. This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the andertakings therein contained, so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the rights herein granted shall be transferred assigned, or in any manner either voluntarily or involuntarily disposed of, or indirectly by transfer of control of the licensee, if a corporation, to any person without the written consent of the Commission. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

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April

By Direction of the FEDERAL COMMUNICATIONS COMMISSION,

**World Radio History** 

Secretary.

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

File No. ER-452
Call Letters K W K H

#### STANDARD BROADCAST STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent Acts, and Treaties, and Commission Rules made thereunder, and further subject to conditions set forth in this license, 1/the LICENSEE

INTERNATIONAL BROADCAS	STING CORPOR	ATION			
is hereby authorised to use and operate the radio transmitting appar	atus hereinafter	described	for the p	urpose of	broad-
casting for the term beginning May 1 , 19 51 (3 a.m., Eastern Standard Time)	, and ending(3 a.	May 1	rn Standar	1 Time)	19 <u>54</u>
The licensee shall use and operate said apparatus only in acco	rdance with the	followis	g terms:		
1. On a frequency of 1130kc. 2. With 50 kilo watts power X directional antenna mighttime	common po	int co	rreat,]	339.	amperes Obma
and 50 kilo watts power non directional antenna daytime	antenna antenna	co	sistance,	22.9_ _95	emperes obma
Average hours of local sunrise and sunset:  May 5:15 am to 7:00 pm; June 5:00 am to 7:30 p  July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 p  Sep. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 p  Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 p  Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 p  Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 p  Central Standard Time.  4. With the station located at:  Shreveport, Louisiana	om; om; om;				
6. With the main studio located at: Commercial National Bank Bldg. Texas and Market Streets Shreveport, Louisiana The apparaths herein authorized to be used and operated is located.					
The apparatus befein authorized to be used and operated is loc- Gamma Road	North Lat.	32	42	15	
Dixie, Louisiana	North Lat. West Long.	93 °	52	52	
and is described as follows: RCA MFG. CO., Type BTA-50- Crystal Control. Last radio stage: two 25 kil					

Crystal Control. Last radio stage: two 25 kilowatt vacuum tubes for high level modulation. Maximum rated carrier power output 50 kilowatts.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vestin the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in visition of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1934.

This license consists of this page and pages 2, 3 and 4
Deted this 12 day of April 1951

FEDERAL COMMUNICATIONS COMMISSION,

1. J. Slowie, Secretary

(SEAL)

1. DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

DA- N

No. and Type of Elements: Three guyed, uniform cross section, vertical radiators. A 541 FM antenna included in the

height of the southwest tower.

Height above Insulators:

Northeast and center, 4781; Southwest, 4441

(including FM antenna).

Overall Height:

Northeast and center, 4841; Southwest, 4501.

Spacing and Orientation:

279' (115.3°) between adjacent towers.

Line of towers bears 250 true.

Non-Directional Antenna:

Center tower with northeast and southwest

towers grounded.

Oround System consists of 120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

2. THEORETICAL SPECIFICATIONS  Phasing:	Northeast Tower (1) 90°	Center Tower (2)	Southwest Tower (3)
Field Ratio:	1.0	1.835	1.0
3. OPERATING SPECIFICATIONS	or r0		
Phase Indication: *	95•5°	0°	-103°
Antenna Base Current Ratio:	1.0	2.77	2.07
Phase Monitor Sample Current Ratio:	1.0	1.94	1.15

As indicated by RCA WN-30-A phase monitor.

Phase indications and antenna base currents shall be read and entered in the operating log at least once each hour. Phase monitor sample currents may be read and logged in lieu of base currents provided base currents are read and logged at least once

## DESCRIPTION OF MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 0.15 miles east along Self Road. Point of measurement is on south side of Self Road, 10 feet north of an iron-pipe marker set at the fence line. The field intensity measured at this point should not exceed 40 mv/m.

Foint #2, direction of 57° true North. Proceed from the KWKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U. S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement. The field intensity measured at this point should not exceed 24 mv/m.

Point #3, direction of 316° true North. Proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe. The field intensity measured at this point should not exceed 73.4 mv/m.

man

Date	4-12-51
FILE No.*	BR-452
CALL LETTERS* _	KWKH

# OBSTRUCTION MARKING ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

The tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

Each
The tower shall be cleaned or repainted as often as necessary to maintain good visibility.

For night marking there shall be installed at the top of the tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of  $\frac{1}{2}$  second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

At the 375', 275', 175' and 75' levels each Onches is at approximately two thirds and one third of the oversaltheight of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

<sup>\*</sup>THIS SPECIFICATION IS A PART OF AND SHALL BE ATT ACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

Pile No.	BL-4150
Official No.	452
<b>a</b>	KWKH

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

## RADIO BROADCASTING STATION LICENSE

Modified as of September 25, 1950
Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE......

#### INTERNATIONAL BROADCASTING COMPORATION

The licensee shall use and operate said apparatus only in accordance with the following terms:

- 1. On a frequency of 1130 .... kc.
- 2. With power of 50 kilo watts/sitions continues 50 kilo watts from local sunrise to local sunset only Antenna current 22.9 supperes for 50 110 watts; 200 supperes for 200 watts. Antenna resistance 95 ohms for 50 kilowatts for non-directional antenna. Antenna
- 3. During the following period or periods of time: Unlimited time. \*\*Average hour of local sunrise and sunset: Sent.6:00 am to 6:30 nm; Oct. 6:15 am to 5:45 nm; olims for 50 kilowatts for direc-

Mov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm; tional antenne. Jan. 7:15 am to 5:30 mm; Feb. 7:00 am to 6:00 pm; \*Employing directional antenna Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 mm; night. Specifications for direc-May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm; tional antenna attached. July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm; 4. Under the call letters .K. Y.L. H... Central Standard Time.

5. With the main studio of the station located at: Connercial Lational Bank Blde.. Texas and Market Streets.

Skreve ort, Louisine.
The apparatus hereinabove authorized to be used and operated is located at:

Gent. Lord. Dixie, Louisiana.

Lat. 154 Morth Long. West

Secretary.

current at common point - 12.1

emperes for 50 kilowatts; antenna

resistance at common point - 339.

and is described as follows: RCA NFG. CO., Type BTA-50-F1, Broadcasting Transmitter. Direct Crystal Control. Lest radio stage: two 25 kilowatt vacuum tubes for high level modulation. Maximum rated carrier power output 50 kilowatts. The field intensity at night of MAME measured at the monitoring points described on the attached specifications is not to exceed the following values: Point #1, 40 my/m; Point #2, 24 mv/m; Point #3, 73.4 mv/m.

Lowers painted and lighted in accordance with the attached specifications.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall divining the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This necessary be year to the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the licensee nor the right there is a suigned or otherwise transferred in violation of the Communications Act of 1934. This license is under the right of unger control by the Government of the United States conferred by section 606 of the Communications

AND the day of Settember , 1950.

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

World Radio History

P. C. C. Form No. 715-7 (Spec. No. A-3-n) (Adopted May 24, 1944)

Date	9-25-50		
FILE No.*	HL-4150		
CALL LETTERS* _	KWKH		

# OBSTRUCTION MARKING ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

Each

The tower shall be cleaned or repainted as often as necessary to maintain good visibility.

For night marking there shall be installed at the top of the tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of 1 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

At the 3751, 2751, 1751 and 751 levels each Can levels at approximately two-thirds and one-third of the second height of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

#### DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. and Type of Elements: Three guyed, uniform cross section, vertical

radiators. A 541 FM antenna included in the

height of the southwest tower.

Height above Insulators: Northeast and center, 4781; Southwest, 4441

(includin F antenna).

Overall Height: Northeast and center, 484; Southwest, 450.

Spacing: 279' (115.3°) between edjacent towers.

Orientation: Line of towers bears 25° true.

NON-DIRECTIONAL ANTENNA:

Center tower with northeast and southwest towers grounded.

GROUND SYSTEM:

120 - equally spaced buried copper radials lus 201 square copper ground screen about each tower. Radials 4001 in length except where they intersect.

OPERATION OF DIRECTIONAL ANTENNA:

	Tower (1)	Tower (2)	Tower (3)
Theoretical Phasing:	900	00	-900
Phase Monitor Reading:	95.50	00	-1030
Theoretical Field Ratio:	1.0	1.835	1.0
Antenna base Current Ratio: Phase Monitor Loop Current	1.0	2.77	2.07
Ratio: **	1.0	1.94	1.15

<sup>\*</sup>As read on RCA WM-30A phase monitor.

<sup>\*\*</sup>Phase monitor loss currents may be read and logged in lieu of antenna base currents. If loss currents are logged, base currents must be read and logged at least once daily. Indications of the base monitor shall be logged at least once each hour.

#### DESCRIPTION OF MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 0.15 miles east along Self Road. Point of measurement is en south side of Self Road, 10 feet north of an iron-pipe marker set at the fence line.

Point #2, direction of 57° true North. Proceed from the KMKH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U.S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement.

Point #3, direction of 316° true North. Proceed from the KWIH plant entrance 3.20 miles north along Gemm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayon Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe.

File No	HL-3561
Official No.	452
Call letters	DANGE STORY OF THE STORY

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

## RADIO BROADCASTING STATION LICENSE

Modified as of May 12, 1950
Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE

## INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning hay 12 , 1950, and ending kay 1 , 1951 (# a. m., Eastern Standard Time)

The licensee shall use and operate said apparatus only in accordance with the following terms:

1. On a frequency of 1130 kc.

2. With power of 50 kilo watts watts from local sunrise to local sunset only Antenna current 22.9 amperes for 50 kilo watts; xxx amperes for xxx watts. Antenna resistance 95 ohms. for 50 kilowatts for non-directional antenna.

3. During the following period or periods of time:

Unlimited time.

\*\*Average hours of local sunrise and sunset:

May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;

July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;

Sep. 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pn; Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm; Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm; Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm; Central Standard Time.

4. Under the call letters KWKH

5. With the main studio of the station located at: Commercial National Bank Building Texas and Market Streets Shreveport, Louisiana

The apparatus hereinabove authorized to be used and operated is located at:

Gamm Road. Dixie. Louisiana Lat. 15" North Long. 93 West

Antenna current at common point -

Antenna resistance at common point -

\*Employing directional antenna night.

12.1 amperes for 50 kilowatts;

339 ohms for 50 kilowatts for

Specifications for directional

directional antenna.

antenna attached.

and is described as follows: WESTERN FLECTRIC, Type 306-A-Modified, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: four 12500 watt vacuum tubes for low level modulation. Maximum rated carrier power output 50 kilowatts. The field intensity at night of KWKH measured at the monitoring points described on the attached specifications is not to exceed the following values: Point #1, 40 mv/m; Point #2, 24 mv/m; Point #3, 73.4 mv/m.

Towers painted and lighted in accordance with the attached specifications.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall highly the use of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the privileges herein conferred.

This license first not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license terribed the term hereof, nor in any other manner than authorized herein. Neither the license nor the right to the right be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is act of 1934.

1.2th day of May 1950 Dated this

By direction of the FEDERAL COMMUNICATIONS COMMISSION.

## DESCRIPTION OF DIRECTIONAL ANTIQUA:

No. and Type of Elements:

Three guyed, uniform cross section, vertical

radiators. A 54' FM antenna included in the

height of the southwest tower.

Height above Insulators:

Northeast and center, 4781; Southwest, 4441

(including FM antenna).

Overall Height:

Northeast and center, 4841; Southwest, 4501.

Spacing:

279! (115.3°) between adjacent towers.

Orientation:

Line of towers bears 250 true.

## NON-DIRECTIONAL ANTENNA:

Center tower with northeast and southwest towers grounded.

## GROUND SYSTEM:

120 - equally spaced buried copper radials plus 20' square copper ground screen about each tower. Radials 400' in length except where they intersect.

## OPERATION OF DIRECTIONAL ANTENNA:

	Northeast	Center	Southwest
	Tower (1)	Tower (2)	Tower (3)
Theoretical Phasing: Phase Monitor Reading: Theoretical Field Ratio:	90°	0°	-90°
	95.5°	0°	-103°
	1.0	1.835	1.0
Antenna base Current Ratio: Phase Monitor Loop Current	1.0	2.77	2.07
Ratio:**	1.0	1.94	1.15

<sup>\*</sup>As read on RCA WM-30A phase monitor.

<sup>\*\*</sup>Phase monitor loop currents may be read and logged in lieu of antenna base currents. If loop currents are logged, base currents must be read and logged at least once daily. Indications of the phase monitor shall be logged at least once each hour.

## DESCRIPTION OF MONITORING POINTS:

Point #1, direction of 2° true North. Proceed from the KTH plant entrance 3.20 miles North along Gamm Road, 0.15 miles east along Self Road. Point of measurement is on south side of Self Road, 10 feet north of an iron-pipe marker set at the fence line.

Point #2, direction of 57° true North. Proceed from the N KH plant entrance 2.75 miles east along Gamm Road, 1.73 miles north along U.S. Highway 71, 0.26 miles west along a farmer's lane to point of measurement.

Point 3, direction of 316° true North. Proceed from the MWH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Self Road, 1.11 miles south along Self Road, turn west and cross canal to east side of Black Bayou Levee. Point of measurement is 20 feet west of canal bridge and 20 feet east of levee and is marked with an iron pipe.

Date	5-12-50
FILE No.*	HL-3561
CALL LETTERS*	KWKH

# OBSTRUCTION MARKING ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

Lach

The tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

Lach

The tower shall be cleaned or repainted as often as necessary to maintain good visibility.

For night marking there shall be installed at the top of the tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of 12 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

At the 375', 275', 175' and 75' levels each maker kent approximately two thirdes and one-third of the case abbeight of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1931, as amended.

<sup>\*</sup>THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

(c) Hours of operation : Unlimited time

Employing directional antenna night.

Call letters K W K H

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

. kilocycles.

## REGULAR BROADCAST STATION CONSTRUCTION PERMIT:

May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm; July 5:15 am to 7:00 pm; Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made thereunder, and further subject to the conditions set forth in this permit, authority is hereby granted to

INTERNATIONAL BROADCASTING CORPORATION

to construct a radio transmitting station located and described as follows:

to construct a radio transmitting station located and described as follows:

Parish
1. Location of transmitter: State Louisiana County Caddo

City or town Dixio Street and number Gann Ecad

N. Latitude: Degrees 32 , minutes 42 , seconds 15

W. Longitude: Degrees 93 , minutes 52 , seconds 52

Parish
2. Location of main studio: State Louisiana Gannaty Caddo

Commercial National Bank Building

City or town Shreysport Street and number Texas and Market Streets

Michaelia

3. Description of transmitting apparatus; RCA MFG. CO., Type BTA-50-F1, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: two 25 kilowatt vacuum tubes for high level modulation. Maximum rated carrier power output 50 kilowatts.

*Employing directional antenna night.  (a) Frequency 1130 kilocycles.
(b) Power (1) Night 50 kilowatta
V(2) Day50 kilowatta** VUMMOO LAFIEGE
(c) Hours of operation: Unlimited time.  **Average hours of local sunrise and sunset:  Mar. 6:30 am to 6:15 pm; Apr. 5:45 am to 6:45 pm;  May 5:15 am to 7:00 pm; June 5:00 am to 7:30 pm;  July 5:15 am to 7:30 pm; Aug. 5:45 am to 7:00 pm;  Sept 6:00 am to 6:30 pm; Oct. 6:15 am to 5:45 pm;  Nov. 6:45 am to 5:15 pm; Dec. 7:15 am to 5:15 pm;  Jan. 7:15 am to 5:30 pm; Feb. 7:00 am to 6:00 pm;  Central Standard time.
5. Date of required commencement of construction By May 30, 1950
6. Date of required completion of construction November 30, 1950
7. (a) Upon the completion of construction in exact accord with this permit, and provided the Commission and the Inspector of Radio are notified two days in advance, the permittee is authorized—  (1) To conduct equipment tests between 1 a.m. and 6 a.m., local standard time, for a period not to exceed 10 days, on the frequency and with the power herein specified.  (b) Upon the completion of equipment tests, and provided an application for radio broadcasting station license has been filed with the Commission, showing the transmitter to be in satisfactory operating condition; and provided further, that the Commission and Inspector of Radio are notified two days in advance, the permittee is authorized—  (1) To conduct broadcast program tests for a period not to exceed 30 days, on the frequency, with the power, and during the hours of operation herein specified.  (c) The authority herein contained to conduct tests shall not be construed as a radio broadcasting station license, but only to make tests incident and necessary to proper construction of the station, and the Commission reserves the right to cancel or modify such authority.  8. This permit shall be automatically forfeited if the station is not ready for operation within the time specified or within such further time as the Commission may allow, unless completion of the station is prevented by causes not under permittee's control.
By direction of the FEDERAL COMMUNICATIONS COMMISSION,  Secretary

During equipment tests a check of the calibration of the frequency monitor and station frequency must be made with an external standard and supplied to the Commission before program tests will be authorized.

It is an essential part of the test of all broadcast transmitting equipment to determine that the operating frequency is within the prescribed limits of the assigned frequency and that the frequency monitor is calibrated to within five parts per million of the assigned frequency (3 cycles at 550 kilocycles, 5 cycles at 1000 kilocycles, or 7.5 cycles at 1500 kilocycles).

To determine this, a check of the frequency should be made during the equipment test period with an external standard of known accuracy, such as the commercial frequency monitor services offered by several firms. The operating frequency of the transmitter should be adjusted to show zero deviation on the monitor and then the check made with the standard. If this reveals that the frequency is more than five parts per million from the assigned frequency, adjustments should be made and further check obtained until several readings indicate that the proper accuracy has been obtained and maintained.

The data on the check should be supplied to the Commission on the enclosed FCC Form No. 302 and <u>must be approved by the Commission before program tests will be authorized</u>. With reference to the conducting of equipment and program tests your attention is invited to Sections 1.315 and 1.316.

# KWKH DA Specs 12/13/48

Monitor point readings:			
Monitoring point:	1 (2°)	2(57°)	3(316)
ar will be a little			
Measured average	36.0	9.65	65.2
Tolerance value requested	42.4	24.1	74.2
Tolerance value allowed	40	24	73.4

## FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON 25, D. C.

January 13, 1949

ADDRESS ALL COMMUNICATIONS
TO THE SECRETARY

International Broadcasting Corp.
Radio Station KWKH
Commercial National Bank Building
Texas and Market Streets
Shreveport, Louisiana

Gentlemen:

This is in reference to the recently filed application for station license covering the construction authorized by permit No. BP-6530.

As noted in the Commission's telegram of December 14, 1948 the present adjustment of the KWKH directional antenna does not conform to the requirements of the construction permit in that the measured inverse field along the 2 degree radial exceeds the value of 100 millivolts per meter specified in the construction permit.

A study of the engineering data on file relative to the previous adjustment of the KWKH antenna system indicates that complete radial measurements along the 2 degree radial were not made, either for the previously assigned 1100 kilocycle operation or following the shift to 1130 kilocycles.

In 1941, subsequent to the change in frequency from 1100 kilocycles to 1130 kilocycles, an engineering report covering the adjustment of the antenna system was submitted and included therein was an expanded radiation pattern showing in detail the shape of the minor lobes as determined from the ratio of directional to non-directional field intensity measurements.

Based on this pattern, an inverse field of 100 millivolts per meter along the radial 2 degrees true appeared to be a reasonable value, and was consequently specified in the construction permit BP-6530.

The expanded pattern submitted with the recent application for license, which was also determined from the ratio of directional to non-directional field intensity measurements, appears to be in close agreement with the previously submitted pattern. However, it should be noted that the ratio measurements indicate an appreciably lower inverse field along the 2 degree radial than is shown by the complete radial measurements made in that direction.

Since the two ratio patterns are in close agreement, it appears that the present antenna adjustment is substantially the same as the previous adjustment, and that the actual inverse field along the 2 degree radial in 1941 was in excess of the value indicated by the ratio measurements. Therefore, the present value of 170 millivolts per meter is assumed to be reasonable and in substantial agreement with the actual field intensity that could have been expected along the 2 degree radial with the antenna adjusted in accordance with the supplemental proof of performance submitted in 1941.

The present adjustment of the KWKH directional antenna appears to be satisfactory and in compliance with the requirements of construction permit BP-6530.

Pending issuance of a modified license, the adjustment of the array should be maintained in accordance with the enclosed specifications.

Very truly yours,

T. VI Slowie Secretary

Enclosure

Rid 18/49

## DIRECTIONAL ANTENNA SPECS. (LICENSE)

## For Day Night Both N. D. Day x

			The second second		
File No. BP-6530	Date 12/	/13/48	Call Lo	ttersKWK	
No. and Type of Elements:	_	nyed, uniform antenna in			
Height above Insulators;		NE & Center		SW	
		478		4441	
Overall Height;		484'		4501	antenna)
Spacing: 279' (115.3°) be	tween ad	jacent tower	8.		
Orientation:	Line of	towers bear	8	25 ° tr	10.
Non-Directional Antenna:	Center t	tower with N	E and S	W towers gr	ounded.
Ground System: 120 - equa copper ground screen about they intersect.	lly space each tow	ed buried co	pper ra .s 400'	dials plus in length •	20' square xcept where
5. 1		NE(1) Tower	C(2) Tower	SW(3) Tower	19444
Theoretical Phasing;		900	00	±900_	-
Phase Monitor Readings*		95.50	<u> </u>	-103°	
Theoretical Field Ratio:		1.0	1.835	1.0	
Antenna Current Ratio:		_1.0	2.77	2.07	
Phase Monitor Loop Current	Ratio:*	1.0	1.94	1.15	
* As read on RCA W	M-30A		phase n	nonitor.	
Phase monitor loop currents are teast once daily. Indicate once each hour.  The field intensity (at nimpoints described on the att values:  20 No. 1	re logged pations o	the phase  KWKH  eets is not	monitor measure	t be read a shall be	and logged logged at
57° No, 2	24 mv/m		<b>50.</b> 4		
Special Requirements: Phase	e monito	t, remote m	onitors,	field into	eneity

F.	C. C. Per	rm No. 71	<b>⊢</b> 7
	(Spec. N	o. A-3-a)	(Modified)
1 A	donted M	lay 24, 194	(1300TTTTAG)

Date	6-30-48
FILE No.* _	BP-6530
CALL LETTER	s KWKH

#### **OBSTRUCTION MARKING**

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24 inch-1000 watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility; otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is build the center line of the light beam should be approximately 3 degrees above

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky light intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

#### Each

orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

#### Each

tible tower shall be cleaned or repainted as often as necessary to maintain good visibility.

each

For night marking there shall be installed at the top of the tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of 1 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each

light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

<sup>\*</sup>THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

#### DESCRIPTION OF DIRECTIONAL ANTENNA

Three guyed, triangular, uniform cross-section, vertical radiators, a 54' FM antenna included in height of SW Tower. No. and type of elements:

Center Tower NE Tower

SW. Tower Height above insulators:

4381

4781 4781

4441

4841

4841

Orientation:

Overall height:

Three towers on a line bearing 25° true.

Spacing:

279' (115.3°)

NE Tower(1) Center Tower(2) SW Tower(3)

Phasing:

Field ratio:

1.0

1.0

1.835 Ground System: 120 - 400' buried copper radials equally spaced, plus a 20' square copper ground screen under each tower.

The inverse distance field intensity at a distance of one mile from the antenna of KWKH in the directions prother picture specified shall not exceed the following values:

> 2° true - 100 mv/m /30 4 (/3) 57° true - 100 mv/m  $316^{\circ}$  true - 200 my/m

A monitoring point in each of the above directions in which a field intensity is specified shall be designated with complete detail including a description of the point, directions for proceeding thereto and the field intensity measured at the point after final adjustment of the antenna system, and when operating in exact accordance with the terms of this authorization and the Rules and Regulations and Standards of Good Engineering Practice Governing Standard Broadcast Stations. The points shall be in the clear so as to permit the taking of unobstructed field intensity measurements and shall be located not less than one mile nor more than four miles from the antenna in the direction specified.

No operation shall occur during the regular broadcast day until data has been submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application.

To insure maintenance of radiated field within the tolerance required herein, a properly designed phase monitor shall be installed in the fransmitter room as a means of continuously and correctly indicating the amplitude and phase of currents in the several elements of the directional antenna avatem.

F. C. C. Porm No. 861 (Revised August 26, 1986)

44

BR-6530 T

\*Emrloying directional antenna night.
Specifications for directional antenna attached.

OELL Call lettere park W.K. H

# ejjavolid 08

(b) Power (1) Vish

## UNITED STATES OF AMERICA

## FEDERAL COMMUNICATIONS COMMISSION

REGULAR :BROADCAST STATION CONSTRUCTION PERMIT

	reafter made thereunder, and further subject to the conditions set forth in this granted to the contral Standard Time.  Contral Standard Time.  INTERNATIONAL BROADCASTING CORPORATION  INTERNATIONAL BROADCASTING CORPORATION
23, 1943	THE CONTRACT ON THE CONTRACT OF CONTRACT O
Location of transmitt	7 (a) t pon the completion delegating to the serior violation to the particular constant that the serior tests are completed to the complete serior tests.
y or town D1x	Street and number on Green Road
Latitude: Degrees	32 minutes that fine 42 has been desired as 15
	AND A REAL PROPERTY OF THE PRO
2. Location of main stud	dio: State Louisians of the disubseconds 52
y or town Shrever	The permit of the state of the
3. Description of transm	ented by car is not mader permittee contro

Towers to be painted and lighted in accordance with the attached specifications.

Power to be determined by the direct method (Sec. 3.51).

4. The	requency, operating power, and	l hours of operation	on will be as follows:	188 G LIBE TO BE THE
H_1(	(a) Frequency has 11.30	kilocycles.	*Employing direction	al antenna night.
(	(b) Power (1) Night 50 kd	TATES OF AM	Specifications for attached.	directional antenn
	(2) Day 50 ki	lovatta **	EDERAL COMMU	. ·
,	c) Hours of operation : Unlim		EDER AT COMM	7
	Average hours of local June 5:00 am to 7:30 p	sunrise and s m; July 5:15	an to 7:30 🖦 XA.IU	REG
	Aug. 5:45 am to 7:00 pm			
Ha brus ,soite	Oct. 6:15 am to 5:45 pm	; Jan. 7:15	m to 3130 pm;	ح البرد : د د و و
	Feb. 7:00 am to 6:00 pm Apr. 5:45 am to 6:45 pm Central Standard Time.	: Mar. 6:30 a	m to 6:15 nm:	
5 Date	of required commencement of c	Construction	By Angust 30, 194	erri, anthony, i- i
	NOTITE OFFICE	ELCVDCYZLING	L. 10ITARRENTI OF .L.	
6. Date	of required completion of const	ruction	February 28, 1	949
15 52 52 T (a) annk Building	sion and the Inspector of Radi (1) To conduct equipment of period not to exceed pon the completion of equipmentation license has been filed we operating condition; and provenotified two days in advance, to (1) To conduct broadcast with the power, and he authority herein contained station license, but only to me station, and the Commission recommends that the commission recommends the commission recommends that the commission recommends the commission recom	nt tests between 10 days, on the inent tests, and rith the Commissioned further, the the permittee is a program tests for during the hours to conduct tests make tests incide serves the right to	l a.m. and 6 a.m., local requency and with the power of the constant of the constant of the Commission and In uthorized— a period not to exceed 30 destruction of operation herein specificaball not be construed as and necessary to prope to cancel or modify such au	standard time, for a ver herein specified. r radio broadcasting r to be in satisfactory spector of Radio are ays, on the frequency, led. a radio broadcasting of construction of the thority.
8. This paper is a specified or w	permit shall be automatically for thin such further time as the uses not under permittee's contr	orfeited if the sta Commission may	tion is not ready for oper- allow, unless completion	stion within the time
Dated th	is 'Lagrand' part	7 O <b>Vano</b> 17	T. Olyffold (Laff)	
[SHAL]	Love By direction of the	FEDERAL CO	MMUNICATIONS CON	IMISSION,
	i i in accordinate vi u		Towers to be vetyte	Secretary

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iswer to the intermined by the Hiret method (Jec. 3.51).

F		C.	C. 1	Form	No.	715-7	(mod.	١
		13	nec.	No.	A-3	-a)	(mod.	. )
ŕ	A	do	oted	May	24.	1944)		

Date	4-8-48
FILE No.*	BR-452
CALL LETTERS*	K WKH

#### **OBSTRUCTION MARKING**

ANTENNA TOWER(S), OR SUPPORTING STRUCTURE(S)

There shall be installed a 24 inch-1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight

tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

Each

tower shall be cleaned or repainted as often as necessary to maintain good visibility.

For night marking there shall be installed at the top of the tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of 12 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

On levels at approximately two-thirds and one-third of the over-all height of the over-all height of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

<sup>\*</sup>THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. & Type of Elements:

Three, guyed triangular, uniform cross-

section, verti cal radiators.

Height of Elements:

478' (484' overall)

Spacing:

279' (115.30) between adjacent towers

Orientation: Line of towers bears 250 true.

	N. E. TOWER	CENTER TOWER	S.E. TOWER
Phase Monitor Readingt Antenna Current Ratio:	8 <b>6°</b> 1.0	0° 2.74	-99 <sup>0</sup> 2.54
Phase Monitor Loop Current Ratio:*	1.00	2.01	1.29

\*Phase monitor loop currents may be logged in lieu of antenna currents. If loop currents are logged base currents must be read at least once a week and entered in the operating log. The indications of the phase monitor shall be entered into the operating log every 30 minutes.

## NON-DIRECTIONAL ANTENNA:

Center tower of directional array is used; end towers detuned by grounding.

#### GROUND SYSTEM

120 radials 400' long under each tower plus 20' x 20' ground screen.

## DESCRIPTION OF MONITORING POINTS:

Point #1 (1), direction of North 316 degrees East. This point is located 2.28 miles in the direction North 316 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Whiskey Road, 1.11 miles south along Whiskey Road, turn west and cross canal to east side of Black Bayou Levee. Monitor point is 20 feet west of Canal Bridge and 20 feet east of Levee. Do not measure on Levee.

Point #2 (J), direction of North 353 degrees East. This point is located 2.81 miles in the direction North 353 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamma Road, 0.27 mile west along Whiskey Road to the monitor point.

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM (KWKH) - (Cont'd.)

Point #3 (A), direction of North 25 degrees East. This point is located 3.15 miles in the direction North 25 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 1.16 miles East along Whiskey Road to Dooley Bayou, 0.28 miles East along Whiskey Road to the monitor point. Monitor point is in line with KWKH towers.

Point #4 (B), direction of North 57 degrees East. This point is located 2.95 miles in the direction North 57 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road, 2.72 miles North along U.S. Highway 71, 0.63 miles Southwest along Meandering Road to Fork in road, 0.52 miles South along dirt road, 0.15 mile East across Cowhide Bayou to the monitor point. Monitor point is at drainage ditch 50 feet EME from negro house.

Point #5 (C), direction of North 94 degrees East. This point is located 2.70 miles in the direction north 94 degrees east from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road to U.S. Highway 71. Monitor point is behind negro church approximately 250 feet West of U.S. Highway 71 and approximately 250 feet South of Gamm Road.

File No	BR-452	r
Oficial No	452	
Call latters		

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

RADIO BR	DADCASTIN	G STATI	ON LICE	NSE		
Subject to the provisions of the Communic						
or hereafter made by this Commission, and fur	ther subject to con	ditions set fo	rth in this lie	ense, the LI	CENSEE	
INT	ERNATIONAL BE	ROADCASTI	NG CORPOR	ATION		
is hereby authorized to use and operate the rating for the term beginning	dio transmitting s  L Standard Time) paratus only in acc  and second second second for 50 kilo for 50 kilo for 50 kilo second se	pparatus her 9.48, and electron with 50 kilo watts; XXX lowatts frent at lowatts; 9.0 hms fo ecificati erage ho ecificati erage ho for 5:15 pms. ded is located 320 93	watts from lo  common po antenna r  r 50 kilo ying dire ons for d  r of loca m; July 7 pm; Oct. m; Jan. 5 m; Apr. 6	cal sunrise terms:  cal sunrise terms:  cal sunrise terms:  rections int - 12 esistand watts for ctional irection 1 sunset 2:30 pm; 5:45 pm; 5:45 pm; 5:45 pm;	is local sunset only.  XXX watte.  If antenna, An.  If antenna, An.  If antenna, An.  If antenna, An.  If antenna is antenna night antenna night antenna at antenna at at a secondary.  If any 7:00 pm;  If any 7:	tenns r 50 oint ante tache
and is described as follows: WESTERN ELECTION ELECTION IN THE CONTROL Last raimodulation (Federal Telegraph Federal Tele	dio stage: 124-A). Max KWKH measure	four 1250 imum rate d at the	d carrier monitorin	r power of points	output 50 kilo a described on	watts the

#2, 63.8 mv/m; Point #3, 24.6 mv/m; Point #4, 3.3. mv/m; Point #5, 118 mv/m. Towers painted and lighted in accordance with attached specifications.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorised herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications Act of 1984.

Dated this Sth day of April , 19 48

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

[SBAL]

F. C. C. Form No. 715-7 (Mod.) (Spec. No. A-3-n) (Adopted May 24, 1944)

Date \_ B3-S-452 FILE No.\* -KWKH CALL LETTERS\* \_

#### OBSTRUCTION MARKING

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24-inch-1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of about fifty-eight foot candles.

The tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

Each For tower shall be cleaned or repainted as often as necessary to maintain good visibility. each

For night marking there shall be installed at the top of the tower a 300-m m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40 flashes per minute with a luminous period of 1 second and a period of darkness of 1 second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

<sup>\*</sup>THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

Three, guyed triangular, uniform cross-No. & Type of Elements:

section, vertical radiators. 478' (484' overall)

Height of Elements:

Spacing: Orientation: 279! (115.3°) between adjacent towers

Line of towers bears 250 true.

	N.E. TOWER	CENTER TOWER	S.E. TOWER
Phase Monitor Reading:	880	00	-990
Antenna Current Ratio:	1.0	2.74	2.54
Phase Monitor Loop Current Ratio:	1.00	2.01	1.29

\*Phase monitor loop currents may be logged in lieu of antenna currents. If loop currents are logged base currents must be read at least once a week and entered in the operating log. The indications of the phase monitor shall be entered into the operating log every 30 minutes.

#### NON-DIRECTIONAL ANTENNA:

Center tower of directional array is used; end towers detuned by grounding.

#### GROUND SYSTEM:

120 radials 400' long under each tower plus 20' x 20' ground screen.

## DESCRIPTION OF MONITORING POINTS:

Point #1 (1), direction of North 316 degrees East. This point is located 2.28 miles in the direction North 316 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 1.49 miles west along Whiskey Road, 1.11 miles south along Whiskey Road, turn west and cross canal to east side of Black Bayou Levee. Monitor point is 20 feet west of Canal Bridge and 20 feet east of Levee. Do not measure on Levee.

Point #2 (J), direction of North 353 degrees East. This point is located 2.81 miles in the direction North 353 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 0.27 mile west along Whiskey Road to the monitor point.

Point #3 (A), direction of North 25 degrees East. This point is located 3.15 miles in the direction North 25 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 1.16 miles East along Whiskey Road to Dooley Bayou, 0.28 miles East along Whiskey Road to the monitor point. Monitor point is in line with KWKH towers.

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM (KWKH) - Cont'd.

Point #4(B), direction of North 57 degrees East. This point is located 2.95 miles in the direction North 57 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road, 2.72 miles North along U.S. Highway 71, 0.63 miles Southwest along Meandering Road to Fork in road, 0.52 miles South along dirt road, 0.15 mile East across Cowhide Bayou to the monitor point. Monitor point is at drainage ditch 50 feet ENE from negro house.

Point #5 (C), direction of North 94 degrees East. This point is located 2.70 miles in the direction north 94 degrees east from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road to U.S. Highway 71. Monitor point is behind negro church approximately 250 feet West of U.S. Highway 71 and approximately 250 feet South of Gamm Road.

File No	B3-S-452	
Official No.	452	
Call letters	KWKH	

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

## RADIO BROADCASTING STATION LICENSE

Modified as of September 9, 1947
Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSLE INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning September 9. , 1947, and ending a.m., Eastern Standard Time)

The licensee shall use and operate said apparatus only in accordance with the following terms:

1130 ke. 1. On a frequency of

2. With power of 50 kilo atts/ xxxxxxxxxxxxx 50 kilo watts from local sunrise to local sunset only amperes for 50 kilo watts; xxx amperes for ...

· Antenna re i tance

ohms. for 50 kilowatts for non-directional antenna. Antenna current at common point - 12.1 amperes for 50 kilowatts; antenna resistance at common point -Unlimited time.

\*\*Average hour of local sunrise: Sep.
6:00 am; Oct. 6:15 am; Nov. 6:45 am;
Dec. 7:15 am; Jan. 7:15 am; Feb. 7:00
am; Mar. 6:30 am; Apr. 5:45 am; May
5:15 am; June 5:00 am; July 5:15 am;
Aug. 5:45 am; Central Standard Time.

339.onms 10.

\*Employing directional antenna attached Specifications for dire 339. ohms for 50 kilowatts for directional antenna. Specifications for directional antenna attached.

Commercial National Bank Building Texas and Market Streets. Shreveport, Louisiana.
The apparatus hereinabove authorized to be used and operated is located at:

Lat. 32° Long. 93 Gamm Road Dixie. Louisiana West.

and is described as follows: WESTERN ELECTRIC, Type 306-A-Modified, Broadcasting Transmitter. Direct Crystal Control. Last radio stage: four 12500 watt vacuum tubes for low level modulation (Federal Telegraph F-124-A). Maximum rated carrier power output 50 kilowatts. The field intensity at night of KWKH measured at the monitoring points described on the attached specifications is not to exceed the following values: Point #1 70.5 mv/m; Point #2, 63.8 mv/m; Point #3, 24.6 mv/m; Point #4, 3.3 mv/m; Point #5, 118 mv/m. Towers painted and lighted in accordance with attached specifications.

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications

Dated this 9th. day of September 1947

By direction of the FEDERAL COMMUNICATIONS COMMISSION.

[SEAL]

NOTICE TO ALL ST. ID AL BAO. DC. ST ST. TIONS

attention: Fngincering Personnel

In connection with the enclosed license effective October 1, 1745, your attention is directed to the change in operating constants (entenna resistance and antenna current) which are different from those included in your previous license.

These changes in operating constants have been made pursuant to revocation of Commission Order 107 thien required standard broadcast stations to operate during the ser with a power output approximately 20 percent less than licensed power.

The new constants include actual measured antenna resistance for non-directional operation, 92.5 percent of the measured resistance for directional operation with power of 5 km or less and 95 percent of measured resistance for directional operation with a power in excess of 5 km. The square of the antenna current indicated multiplied by the indicated resistance should give the licensed power.

In all cases the antonna current for proper operation will be approximately 1.12 times as high as as previously required under Order 107 and adjustment of the transmitter so as to permit operation with the higher current should be effected by October 1, 1945.

F. C. C. Form No. 715-7 (Spec. No. A-3-a) 10d; 3d (Adopted May 24, 1944)

Date	No.* B3-S-452
FILE N	o. • B3-S-1.52
CALL L	ETTERS* KWKH

#### **OBSTRUCTION MARKING**

ANTENNA TOWER(S) OR SUPPORTING STRUCTURE(S)

There shall be installed a 24-inch-1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of this rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal. All lights shall be controlled by a light sensitive device adjusted so that

All lights shall be controlled by a light sensitive device adjusted so that the lights will be turned on at a north sky intensity level of about thirty-five foot candles and turned off at a north sky light intensity level of Each about fifty-eight foot candles.

The tower shall be painted throughout its height with alternate bands of international orange and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be approximately one-half the width of the international orange bands.

tower shall be cleaned or repainted as often as necessary to maintain good visibility.

each

For night marking there shall be installed at the top of the tower a 300-m/m electric code beacon of the double Fresnel-lens type, or equal, equipped with two 500-watt lamps (PS-40 clear, Code-Beacon type) and aviation red-color shades. Both lamps shall burn simultaneously. The code beacon shall be equipped with a flashing mechanism producing not more than 40. flashes per minute with a luminous period of 1 second and a period of darkness of ½ second, but not less than 20 flashes per minute with a luminous period of 2 seconds and period of darkness of 1 second.

On levels at approximately two-thirds and one-third of the over-all height of the tower, there shall be installed at least two 100-watt lamps (A-21 clear, Traffic-Signal type) enclosed in aviation red Fresnel or prismatic (heat resisting preferred) obstruction light globes. Each light shall be mounted so as to insure unobstructed visibility of at least one light at each level from aircraft at any angle of approach.

All lighting shall be exhibited from sunset to sunrise.

At least 25 percent spare lamps of each type in use shall be provided for immediate replacement purposes.

It is to be expressly understood that the issuance of the foregoing specifications is in no way to be considered as precluding additional or modified marking or lighting as may hereafter be required under the provisions of Section 303(q) of the Communications Act of 1934, as amended.

<sup>\*</sup>THIS SPECIFICATION IS A PART OF AND SHALL BE ATTACHED TO THE CURRENT INSTRUMENT OF AUTHORIZATION.

File No.	3-	3- <sub>4</sub>	45.	3		
Official No.			15	2		
Call letters		17	W	T		

## UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

RADIO BROADCASTING STATION LICENSE

modified in accordance with Order 107A adopted July 10, 1945. ·Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofor or bereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE.....

INPUR ATIONAL BROADCASTIC CORORATION

(Sec. 3.401).

is hereby authorized to use and operate the radio transmitting apparatus hereinafter described for the purpose of broadcasting for the term beginning October 1 , 19.45, and ending 19.48 (3 a. m., Eastern Standard Time)

The licensee shall use and operate said apparatus only in accordance with the following terms:

- 1. On a frequency of 1130 kc.
- 2. With power of \_\_50\_kilo\_watts, with an additional \_\_\_\_\_ | ilo\_watts from local sunrise to local sunset only. Antenna current 2.9 amperes for 50 kilo watts; xxx amperes for xxx watts. Antenna resistance .95 ......... ohms. for 50 kilowatts for non-directional antenna. Antenna

3. During the following period or periods of time:

Unlimited time. ur of local surrise: Oct. Average hour of local sunrise: Oct. 0:15 a.m.; lov. 0:45 a.m.; Dec. 7:15 a.m.; Jan. 7:15 a.m.; Feb. 7:00 a.m.; Lay 5:15 a.m.; June 5:00 a.m.; July 5:15 a.m.; Aug. 5:15 a.m.; Sopt. 6:00 a.m. Central standard Time.

- 4. Under the call letters K N K H
- 5. With the main studio of the station located at:

Commercial National Bank Building Texas and Market Streets, Shreveport, Louisiana.

The apparatus hereinabove authorized to be used and operated is located at:

Garan Moad Dixie, Louisiana orth. West.

cur ent at comon joint - 1.1 ambres for 50

Directional antenna in accordance with appcifications dated 6-5-45, said a ccilications to be mosted by the license with this license

Average hour of local sunset: Oct. 5:45 p.m.;
Tov. 5:15 p.m.; Dec. 5:15 p.m.; Jan.; 30 p.m.;
ab. 6:00 p.m.; Mar. 6:15 p.m.; Aril 6:45 p.m.;
May 7 .m.; June 7:30 .m.; July 7:30 p.m.;

Aug. 7:00 p.m.; Sept. 6:30 p.m. Central Standard

kilo latta : he lesistance at com oint-3'9.0hms for 50 lilowatts for directional antenna amploying directional antenna night.

and is described as follows: ALSTAR ELECTRIC, Type 306-A- odified. Broacasting Transmitter. Direct Crystal Control. Last radio stere: four 12500 watt vacuum tubes for low level molulation (Federal Telegraph F-12/-1). Laximum rated carrier power output 50 kilowatts. The field intensity at hight of KAM measured at the monitoring points described on the specifications dated 0-5-45 is not to exceed the following values: Foint 70.5 my/m; foint 42, 63.8 my/m; foint 73, 24.0 my/m; foint 4, 3.3 my/m; soint

lishted in accordance with attached specifications. Power:

The Commission reserves the right during said license period of terminating this license or making effective any changes or modification of this license which may be necessary to comply with any decision of the Commission rendered as a result of any hearing held under the rules of the Commission prior to the commencement of this license period or any decision rendered as a result of any such hearing which has been designated but not held, prior to the commencement of this license period.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications

Dated this 25th day of September

By direction of the FEDERAL COMMUNICATIONS COMMISSION.

[SEAL]

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM:

No. & Type of Elements: Three, guyed triangular, uniform cross-

section, vertical radiators.

Height of Elements: 478' (484' overall)
Spacing: 279' (115.3') between adjacent towers

Orientation: Line of towers bears 25 true.

	N.E. Tower	Center Tower	S.E. Tower
Phase Monitor Reading: Antenna Current Ratio:	88° 1.0	0° 2.74	-99° 2.54
Phase Monitor Loop Current Ratio:*	1.00	2.01	1.29

\*Phase monitor loop currents may be logged in lieu of antenna currents. If loop currents are logged base currents must be read at least once a week and entered in the operating log. The indications of the phase monitor shall be entered into the operating log every 30 minutes.

#### NON-DIRECTIONAL ANTENNA:

Center tower of directional array is used; end towers detuned by grounding.

#### GROUND SYSTEM:

120 radials 400' long under each tower plus 20' x 20' ground screen.

## DESCRIPTION OF MONITORING POINTS:

Point #1 (1), direction of North 316 degrees East. This point is located 2.28 miles in the direction North 316 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gemm Road, 1.49 miles west along Whiskey Road, 1.11 miles south along Whiskey Road, turn west and cross canal to east side of Black Bayou Levee. Monitor point is 20 feet west of Canal Bridge and 20 feet east of Levee. Do not measure on Levee.

Point #2 (J), direction of North 353 degrees East. This point is located 2.81 miles in the direction North 353 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles north along Gamm Road, 0.27 mile west along Whiskey Road to the monitor point.

Point #3 (A), direction of North 25 degrees East. This point is located 3.15 miles in the direction North 25 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 3.20 miles North along Gamm Road, 1.16 miles East along Whiskey Road to Dooley Bayou, 0.28 miles East along Whiskey Road to the monitor point. Monitor point is in line with KWKH towers.

## DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM (KWKH) - Cont'd.

Point #4 (B), direction of North 57 degrees East. This point is located 2.95 miles In the direction North 57 degrees East from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road, 2.72 miles North along U.S. Highway 71, 0.63 miles Southwest along Meandering Road to Fork in road, 0.52 miles South along dirt road, 0.15 mile East across Cowhide Bayou to the monitor point. Monitor point is at drainage ditch 50 feet ENE from negro house.

Point #5 (C), direction of North 94 degrees East. This point is located 2.70 miles in the direction north 94 degrees east from the center tower of the KWKH array. To reach this point, proceed from the KWKH plant entrance 2.75 miles East along Gamm Road to U.S. Highway 71. Monitor point is behind negro church approximately 250 feet West of U.S. Highway 71 and approximately 250 feet South of Gamm Road.

COPY

COLLECT WASHINGTON D C

1945 JUN 5 PM 4:18

JOHN D. EWING

THE SHREVEPORT TIMES SPORT

KWKH AND KTHS LICENSES GRANTED ON REGULAR BASIS FOR PERIOD ENDING MAY 1, 1948.

CHARLES V WAYLAND

COPY

COLLECT WASHINGTON

1945 MAY 17 AM 9:42

FRED OHL

RADIO STATION KWKH SPORT

RETEL INVESTIGATION SHOWS OUR RENEWAL EXTENDED TEMPORARILY BECAUSE COMMISSION PERSONNEL HAD NOT COMPLETED THE CHECKING OF ABOUT ONE HUNDRED APPLICATIONS UP TO THE PRESENT TIME. THERE IS NO REASON TO BELIEVE WE WILL NOT BE GRANTED A REGULAR RENEWAL BEFORE THE TEMPORARY EXPIRES.

CHAS. V. WAYLAND 902 EARLE BLDG.

FILE No. B3-S-452

CALL LETTERS KWKH

UNITED STATES OF AMERICA

FEDERAL COMMUNICATIONS COMMISSION

EXTENSION OF

RADIO BROADCASTING STATION LICENSE

THE RADIO BROADCASTING STATION LICENSE OF

INTERNATIONAL BROADCASTING CORPORATION

EXPIRING 3 A.M., EASTERN STANDARD TIME, MAY 1, 1945 IS

HEREBY EXTENDED UPON A TEMPORARY BASIS ONLY. PENDING DETER
MINATION UPON APPLICATION FOR RENEWAL OF LICENSE, IN NO

EVENT LATER THAN 3 A.M., EASTERN STANDARD TIME, JULY 1,

1945.

DATED THIS 24TH DAY OF APRIL, 1945.

By Direction of the FEDERAL COMMUNICATIONS COMMISSION

T. J. SLOWIE

SECRETARY

COPY

COLLECT WASHINGTON

1945 APR 24 PM 3:53

FRED OHL

RADIO STATION KWKH

KWKH LICENSE EXTENDED TO JULY 1 1945 CLEAR CHANNEL HEARING
POSTPONED TO SEPTEMBER 5 1945. KILB LICENSE GRANTED TO MAY 1 1948.

CHARLES V WAYLAND 902 EARLE BLDG.

COPY

COLLECT WASHINGTON DC 1944 SEPT 30 AM 10:30

FRED OHL

RADIO STATION KWKH SPORT

KWKH LICENSE MAILED YOU BY COMMISSION SEPTEMBER 26. IF IT DOES NOT ARRIVE, CONTINUE OPERATION AS LICENSE GRANTED.

CHARLES V WAYLAND

COPY

COLLECT WASHINGTON

1944 SEP 27 PM 1:49

FRED OHL

RADIO STATION KWKH

KILB AND KWKH BOTH GRANTED LICENSES EXPIRING MAY 1, 1945 YESTERDAY.
WIRED EWING ON KWKH GRANT.

CHARLES V WAYLAND

COPY

COLLECT WASHINGTON

1944 July 25 PM 5:09

JOHN C MCCORMACK RADIO STATION KWKH
SPORT

THREE OCLOCK RELEASE CONTAINS NOTHING ON ASSIGNMENT

CO MISSION STILL IN MEETING. KWKH LICENSE EXTENDED ON

TEMPORARY BASIS UNTIL OCTOBER 1 1944.

JOHN P SOUTHMAYD 902 EARLE BUILDING

COPY

WASHINGTON COLLECT

1944 May 31 AM 11:57

JOHN C MCCORMACK

RADIO STATION KWKH SPORT

HAVE JUST CHECKED ON KWKH EXTENSION OF LICENSE AND FIND IT
IS NOW RESULT OF MULTIPLE OWNERSHIP. IT APPEARS THAT WHEN
KTBS TRANSFER IS GRANTED A REGULAR LICENSE WILL BE ISSUED
KWKH.

CHARLES V WAYLAND.

COPY

COLLECT WASHINGTON 1944 MAY 30 5:37 PM

STATION KWKH

JOHN C MCCORMACK SPORT

KWKH LICENSE EXTENDED TO AUGUST 1, 1944 TEMPORARY BASIS. BEN S FISHER

COPY

COLLECT WASHINGTON

1944 MAR 29 PM 12:36

JOHN C MCCORMACK

RADIO STATION KWKH

KWKH LICENSE EXTENDED TEMPORARILY TO JUNE 1 1944. KTHS GRANTED LICENSE OPERATE ON 1090 WITH POWER OF 10KW DAY 1KW NIGHT UNLIMITED TIME SIMULTANEOUS WITH WBAL ON CONDITION THAT NO INTERFERENCE BE CAUSED WBAL AND THAT WHEN MATERIALS ARE AVAILABLE STATION WILL OPERATE WITH 50KW SPECIAL SERVICE AUTHORIZATION DISHISSED AS ALL AUTHORITY NOW VESTED IN LICENSE.

CHARLES V WAYLAND.

K E

Orly Jop in now between april, 1944 and Oct. 1, 1945

fail toward seach golden fail to the Mind outletty

Mr. Charles V. Vayland Fisher and Vayland 902 Earle Building Vashington, D. C.

Dear Charlie:

We've been arkiously awaiting the MKH license on a regular basis about which you wired on February 23.

Can you advise about this?

Kind regards,

John C. McCormack, General Manager CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicate. by suitable symbol above or preceding the address.

# WESTERN UNION

A. N. WILLIAMS

NEWCOMB CARLTON CHAIRMAN OF THE BOARD J. C. WILLEVER

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

SLT = Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

SVH127 11 COLLECT=WASHINGTON DC 23 334P
JOHN C MCCORMACK=

RADIO STATIONKWKH=

1943 FEB 23 PM 3 09

KWKH LICENSE RENEWED REGULAR BASIS PERIOD ENDING APRIL 1.

:CHARLES V WAYLAND

1 1944

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

CLASS OF SERVICE

This is a full-rate Telegram or Cable gram unless its do ferred character is indicated by a suitable symbol above or preceding the address.

# WESTERN UNION

A. N. WILLIAMS

NEWCOMB CARLTON

J. C. WILLEYER

SYMBOLS

DL = Day Letter

1201

NT=Overnight Teleg

LC=Deferred Cable

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at judget of despination

SVH65 33 DL 1 EXTRA COLLECT=SB WASHINGTON DC 13 1059A
INTL BROADCASTING CORP, RADIO STATION KWKH='
COMMERCIAL NATL BANK BLDG TEXAS AND MARKET STS=

RELET ATTORNEY 12. AUTHORITY EXTENDED OPERATE FIFTY

KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA

FOR NIGHTIME OPERATION FOR PERIOD THIRTY DAYS FROM FEBRUARY

17 PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATION=

T J SLOWIE SECRETARY F C C:

12 17.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE



(SEAL)

File No. B3-S-452

Call Letters KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTERNSION OF
RADIO BROADCLISTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING COPPORATION

which was heretofore extended to February 1, 1943, is hereby further extended upon a temporary basis only, pending
determination upon the application for renewal of license,
in no event later than 3 a.m., Eastern Standard Time,

March 1, 1943.

Dated this 26th day of January, 1943.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

STANDARD TIME INDICATED

525 MARKET ST. TELEPHONE 5211

TELEPHONE YOUR TELEGRAMS



THIS IS A PULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLETS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE.

SYMBOLS DESIGNATING SERVICE SELECTED ARE QUILLINED IN THE COMPANY'S TARRIPE ON HAND AT EACH OPPICE AND ON FILE WITH REGULATORY AUTHORITIES.

D85 LC323W ( SIX ) 33 DL COLLECT 1 EXTRA=RY, WASHINGTON DC 13 655F

INTERNATIONAL BROADCASTING CORPN=

STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS AND MARKET STS SHREVEPORT LOU:

RELET ATTORNEY 13. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHT TIME OPERATION FOR PERIOD THIRTY DAYS FROM JANUARY 18 PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATION=

T J SLOWIE SECRETARY

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or proceding the address.

# WESTERN UNION

A. N. WILLIAMS

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL=Day Letter

NT = Overnight Telegran

LC=Deferred Cable

NLT = Cable Night Letter

Ship Rediogram

77.5m 61'

1 1943 JAN 1 PM 16

INTERNATIONAL BROADCASTING CORP. RADIO STATION KEEN

CONNERCIAL MATE BANK BLDG TEXAS & MARKET STS.

SPOT

ERETEL 9. AUTHORITY GRANTED COMMISSION'S TELEGRAM OCTOBER 5

1941. EXTENDED PERIOD THIRTY DAYS:

T MESERBLE SECRETARY FOO.

3 31 19 48.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

File No. B3-S-452 Call Letters KWKH

UNITED STATES OF ALERICA FEDERAL COMMUNICATIONS COMMISSION ETTENSION OF RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION dated January 29, 1940 , which was heretofore extended to January 1, 1943, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, February 1, 1943.

Power to be determined by the direct method in accordance with Order No. 107 as adopted November 6, 1942, effective 3 a.m., Lastern Standard Time, December 1, 1942, as follows: Antenna Current at common point 10.8 amperes for 50 kilowatts: xx amperes for xx watts. Antenna Resistance at common point 427 Antenna Current 20.4 amperes for 50 kilo watts; xxx amperes for xxx watts. Antenna Resistance 119.7 ohras. Dated this 22nd day of December, 1942. By direction of the FEDERAL COMMUNICATIONS COMMISSION

If chause

(SEAL) \*The field intensity at night of Station KWKH measured at the monitoring points described on the specifications dated 1-29-40 is not to exceed the following values: Point #1, 24.5 mv/m; Point #2, 30.8 mv/m.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

# WESTERN (28) UNION

A. N. WILLIAMS

NEWCOMB CARLTON CHAIRMAN OF THE BOARD J. C. WILLEVER

SYMBOLS

DL = Day Letter

NT = Overnight 'Felegram

LC = Deferred Cable

NLT = Cable Number Letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of record is TANDARD TIME at point of destination

NSAB12 17 COLLECT DL 1 EXTRA=WASHINGTON DC 8 724P
INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS

& MARKET STS SPORT=

RETEL 7. AUTHORITY GRANTED COMMISSION'S TELEGRAM OCTOBER
31 EXTENDED PERIOD THIRTY DAYS FROM DECEMBER 1=

:T J SLOWIE SECRETARY FCC.

7 31 1 FCC.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COLEMISSION
EXTENSION OF
PADIO PRODUCTING STATION LICENSE

The radio broadcasting station license of

INTE	RNATIONAL BROADCASTING CORPORATION
dated January	29, 1940, which was heretofore extended to
December 1, 1942	, is hereby further extended upon a temporary
basis only, pend	ling determination upon the application for
renewal of licer	nse, in no event later than 3 a.m., Eastern
Standard Time, d	January 1, 1943.
Power to be	e determined by the direct method in accord-
anco with Order	Go. 107 as adopted Hovember 6, 1942, offective
3 a.m., Eastern	Standard Time, December 1, 1942, as follows:

3 a.m., Eastern Standard Time, December 1, 1942, as follows:

Interna Current at common point 10.8 amperes for 50 kilowatts; xxx

amperes for xxx watts.

Anterna Resistance at common point 427 ohms.

Intenna Current 20.4 amperes for 50 kilowatts; xxx

amperes for xxx watts.

Antonna Resistance 119.7 chms.

Dated this 24th day of November , 1942.

By direction of the PEDERAL CONTRACTIONS COMMISSION

Secretary

(SEAL)

\*The field intensity at night of Station KWKH measured at the monitoring points described on the specifications dated 1-29-40 is not to exceed the following values: Point #1, 24.5 mv/m; Point #2, 30.8 mv/m.

This supersedes authorization of the same date.

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address

## WESTERN UNION 156

A. N. WILLIAMS

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

SV h173 33 DL COLLECT 1 EXTRA=SB WASHINGTON DC 13 427P

RADIO STATION KWKH COMML NATL BANK=

RELET ATTORNEY 12. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM NOVEMBER 19
PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATION=

T J SLOWIE SECY FEDERAL COMMUNICATIONS COMMISSION.

12 ANTENNA 19 ESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

57

File No. B3-S-452
Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

### INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to November 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, December 1, 1942.

Dated this 20th day of October, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

Secretary. (63809)

(SEAL)

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

# WESTERN

A. N. WILLIAMS PRESIDENT NEWCOMB CARLTON

J. C. WILLEVER
FIRST VICE-PRESIDENT

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The films time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

INSA960'32 DL COLLECT GOVT= WASHINGTON DC 14 741P
INTERNATIONAL BROADCASTING CORPN= 1942 OCT 14 PM
RADIO STATION K W K H=

COMMERCIAL NATIONAL BANK BLDG TEXAS & MARKET STREETS SHREVEPORT LA=

RELET ATTORNEY 14. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM OCTOBER 20
PENDING ACTION ON PROOF OF PERFORMANCE AND APPLICATIONS
T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

14 20.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

File No. B3-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS CCMAISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

### INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended at intervals to October 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, November 1, 1942.

Dated this 22nd day of September, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

Secretary.

(SEAL)

WIT

CLASS OF SERVICE

54

This is a full-rate Telegram or Cablegram unless its doferred character is indicated by a suitable symbol above or proceding the address.

# WESTERN UNION

A. N. WILLIAMS

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL = Day Letter

NT = Overnight Telegras

Deferred Cable

-Cable Night Le

Ship Redi

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

HSA919 33 PL COLLECT 1 EXTRA=WASHINGTON DC

10/12 SEP 14

PM

8 0

INTERNATIONAL BROADCASTING CORP.

RADIO STATION KWICH COMMERCIAL NATE BANK BLDG TEXAS

& MARKET STS SPORT=

RELET ATTORNEY 14. AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLILITED TIME EMPLOYING DIRECTIONAL ANTENNA
FOR MIGHTINE OPERATION FOR PERIOD THIRTY DAYS FROM
SEPTEMBER 23 PENDING ACTION ON PROOF OF PERFORMANCE AND
APPLICATION =

T J SLOWIE SECRETARY FELERAL COMMUNICATIONS

COMMISS 1914.

ACCRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

File	No. B3-	-S-452
Call	Letters	K W K H

UNITED STATES OF ALERICA
FEDERAL COLLUNICATIONS COMMISSION
EXTENSION OF
RADIC BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to September 1, 1942, is

hereby further extended upon a temporary basis only, pending

determination upon the application for renewal of license,

in no event later than 3 a.m., Eastern Standard Time,

October 1, 1942.

Dated this 18th day of August, 1942.

By direction of the FEDERAL COLHUNICATIONS COLMISSION

Secretary.

(62462)

(SEAL)

STANDARD TIME INDICATED

RECEIVED AT

525 MARKET ST.

TELEPHONE 5211

TELEPHONE YOUR TELEGRAMS
TO POSTAL TELEGRAPH



THIS IS A FULL RATE TELEGRAM, CABLEGRAM OR RADIOGRAM UNLESS OTHERWISE
INDICATED BY SYMBOL IN THE PREAMBLE
OF IN THE ADDRESS OF THE MESSAGE.
SYMBOLS DESIGNATING SERVICE SELECTED
ARE OUTLINED IN THE COMPANY'S TARIFFS
ON HAND AT EACH OFFICE AND ON FILE WITH
REQUILATORY AUTHORITIES.

NO92 35 3 EXTRA DL COLLECT=RU WASHINGTON DC 14 446P

INTERNATIONAL BROADCASTING CORPN=

RADIO STATION K W K H COMMERCIAL NATL BANK BLDG TEXAS

AND MARKET STS SHREVEPORT LOU:

\*\*RELETATIORNEY 12 AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS

UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME

OPERATION FOR PERIOD THIRTY DAYS FROM AUGUST 23 PENDING ACTION

ON PROOF OF PERFORMANCE AND APPLICATION\*\*

\*\*T J SLOWIE SECTY FED COMM COMMISSION.

12 2301

File No. B3-S-452
Call Letters KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTELSION OF
RADIO BROADCLISTING STATION LICENSE

The radio broadcasting station license of

### INTERNATIONAL BROADCASTING CORP.

which was heretofore extended to August 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, September 1, 1942.

Dated this 21st day of July, 1942.

By direction of the FEDERAL COLLUNICATIONS COMMISSION

Sècretary.

(61584)

(SEAL)

STANDARD TIME INDICATED

RECEIVED AT

525 MARKET ST. TELEPHONE 5211

TELEPHONE YOUR TELEGRAMS
TO POSTAL TELEGRAPH



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OF HERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE.

SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16

=NO71 32 DL COLLECT=RY WASHINGTON DC 11 259PM INTERNATIONAL BROADCASTING CORP.

JUL II PM 3 56

RADIO STATION K W K H= COMMERCIAL NATIONAL BANK BLDG SHREVEPORT LA=

RELET 10 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS

UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME

OPERATION FOR PERIOD THIRTY DAYS FROM JULY 24 PENDING ACTION ON

PROOF OF PERFORMANCE AND APPLICATION:

T J SLOWIE SECRETARY F C C.

RELET 10 ANTENNA 24 F C C.

File No. B3-S-452
Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The  $_{\scriptscriptstyle \parallel}$  radio broadcasting station license of

### INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended at intervals to July 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, August 1, 1942.

Dated this 23rd day of June, 1942.

By direction of the FEDERAL COLMUNICATIONS COLLISSION

Secretary

(SEAL)





THIS 19 A PULL RATE TELEGRAM CABLE-GRAM OR RADIOGRAM UNLESS G. HIERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TAILIPPS ON HAND AT EACH OFFICE AND ON FILEWITH REGULATORY AUTHORITIES.

E248W 33 1 EXTRA DL COLLECT=RY WASHINGTON DC 22 648PN 23 AM 7 21
INTERNATIONAL BROADCASTING CORP= RADIO STATION K W K H COMMERCIAL NATIONAL BANK BLDG
SHREVEPORT LOU=

RELET 19 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM JUNE 24 PENDING ACTION ON
PROOF OF PERFORMANCE AND APPLICATION=
T J SLOWIE SECRETARY FCC.

19 24.

File No. B3-S-452
Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COLMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

#### INTERNATIONAL BROADCASTING CORPORATION

which was heretofore extended to June 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, July 1, 1942.

Dated this 26th day of May, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

Secretary.

(SEAL)





THIS IS A PULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS O'HERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

# D112 D.NOA520 34 DL 2 EXTRA COLLECT= RY WASHINVTON DC 20 829P=
INTERNATIONAL BROADCASTCNG CORP= PSI MAY 20 PM 10 43

RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG=SHREVEPORTLOU

= RELET 19 ATTORNEY AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ATENNA FOR NIGHTTIME
OPERATION FOR PERIOD THIRTY DAYS FROM MAY 24 PENDING ACTION KNOWN

APPLICATION AND PROOF OF PERFORMANCE=

WM P MASSING ACTING SECRETARY FEDERAL CONMUNICATIONS COMMISSION

akoro

File No. B5-S-462
Call Letters KWKH

UNITED STATES OF AMERICA
FEDERAL COLLUNICATIONS COLLUSION
EXTENSION OF
RADIO BROADCASTI'G STATION LICENSI

The radio broadcasting station license of

INTERNATION'L BRO. DCASTING CORPORATION

which was heretofore extended to 3 a.m., Eastern Standard Time, May 1, 1942, is hereby extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event longer than 3 a.m., Eastern Standard Time, June 1, 1942.

Dated this 21st day of April, 1942.

By direction of the FEDERAL COMMUNICATIONS CONFISSION

Secretary

(SEAL)





THIS IS A PULL RATE TELEGRA-1, CABLE-GRAM OR RADIOGR M UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

INTERNATIONAL BROADCASTING CORP-LANGE APR 21 PM 9 52

RADIO STATION KWKH COMMERCIAL NATIONAL BAK BLDG TEXAS

AND MARKET STS SHREVEPORT LOU-

RELET 18 ATTORNEY AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHT TIME
OPERATION FOR PERIOD THIRTY DAYS FROM APRIL 24 PENDING ACTION
ON APPLICATION AND PROOF OF PERFORMANCE:

:T J SLOWIE SECRETARY FCC.

18 24

File No. B5-S-452

Call Letters K W K H

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of INTERNATIONAL EROADCASTING CORPORATION.

heretofore extended upon a temporary basis to April 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event later than 3 a.m., Eastern Standard Time, May 1, 1942.

Dated this 24th day of March, 1942.

By direction of the FEDERAL COLUMNICATIONS COMMISSION

Secretary. Vp

(SEAL)

tmr

This is a full-rate elegram or Cable-am unless its de

## VESTERN (24).

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destinal

AA295 33 DC COCCECT 1 EXTRA= WASHINGTON DC 24 751P INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKHE COMMERCIAL NATIONAL BANK BLDG SPORT.

RECET 29 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS UNDIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM MARC PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE SECRETARY F C C. T J SCOWIE

58003

File	No.	B3	<b>-</b> S	4	52		
Call	Lette	rs	K	W	K	Ħ	

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

INTERNATIONAL BROADCASTING CORPORATION

heretofore extended upon a temporary basis to March 1, 1942, is hereby further extended upon a temporary basis only, pending determination upon the application for renewal of license, in

no event later than 3 a.m., Eastern Standard Time, April 1, 1942.

Dated this 24th day of February, 1942.

By direction of the FEDERAL COMMUNICATIONS COMMISSION

Secretary.

(SEAL)

WITH

File No. B3-S-452
Call Letters KWKH

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
EXTENSION OF
RADIO BROADCASTING STATION LICENSE

The radio broadcasting station license of

#### INTERNATIONAL BROADCASTING CORPORATION

expiring 3 a.m., Eastern Standard Time, February 1, 1942, is hereby extended upon a temporary basis only, pending determination upon the application for renewal of license, in no event longer than 3 a.m., Eastern Standard Time, March 1, 1942.

Dated this 27th day of January, 1942.

By direction of the FEDERAL COMMUNICATIONS COLMISSION

Sécretary.

(SEAL)

WIM

Tois is a full-rate relegram or Cable-gram unless its decated by a suitable mbol above or pre-ding the address.

39

## 'ESTERN

SYMBC'S DL=Day Letter NT = Overnight Telegram LC=Deferred Cable II.T = Cable Night Letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1201

AA247 33 DL COLLECT 1 EXTRA=WASHINGTON DC 20 722P INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH= 1942 FEB 20 PM 7 25 COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 19 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM FEBRUARY 26 PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE=

T J SLOWIE

FCC. SECRETARY

.19 96. .

This is a full-rate Telegram or Cable-gram unless its de-ferred character is indicated by a suitable

6 27.

### WESTERN

SYMBOLS DL = Day Letter NT = Overnight Telegra

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point

AA231 33 DL COLLECT 1 EXTRA= WASHINGTON DC 20427APBO

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG

SPORT=

RELET 6 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM JANUARY 27 PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE=

T J SLOVIE SECRETARY FEDERAL COMMUNICATIONS Rent to Bishora 6:350

COMMISSION.

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

### WESTERN UNION (00)

R. B. WHITE

NEWCOMB CARLTON CHAIRMAN OF THE BOARD J. C. WILLEVER

SYL'BOLS

DL = Day Letter

NT = Overnight Telegram

LC = Deferred Cable

NLT = Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters in STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

NSA946 34 1 EXTRA GOVT DL COLLECT=WASHINGTON DC 15 634P

INTERNATIONAL BROADCASTING CORP= 1941 DEC 15 PM 8 05

RADIO STATION K. W K H COMMERCIAL NATIONAL BANK BLDG

SPORT=

RELET 15 ATTORNEY, AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS. UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHT TIME OPERATION FOR PERIOD THIRTY DAYS FROM DECEMBER
28 PENDING ACTION ON APPLICATION AND PROOF OF PERFORMANCE=
T J SLOWIE SECRETARY FCC.

15 28 FCC.

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

## WESTERNUNION

R. B. WHITE

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

LC=Deferred Cable
NLT=Cable Night Letter

Ship Rediogram

The filing time shown in the data line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA353 34 DL COLLECT 2 EXTRA= WASHINGTON DC 19 648P INTERNATIONAL BROADCASTING CORP=

RADIO STATION K W K H COMMERCIAL NATIONAL BANK BLDG SPORT-

RELET 18 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS

UNLIMITED TIME EMPOLYING DIRECTIONAL ANTENNA FOR NIGHTTIME

OPERATION FOR PERIOD THIRTY DAYS FROM NOVEMBER 27 PENDING

ACTION ON APPLICATION AND PROOF OF PERFORMANCE:

WM P MASSING ACTING SECRETARY.

.18 27.





THIS IS A FULL RATE TU BORAM, CARLE GRAM OR RADIOGRAM "T. FRE OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. LE DESIGNATING BERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TABLETS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

NOA136 32 1 EX DL COLLECT=RY WASHINGTON DC 20 736P INTERNATIONAL BROADCASTING CORPN RADIO STATION KWKH :COMMERCIAL NATL BANK BLDG SHREVEPORT LOU:

=RELET 17 AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTIME OPERATION FOR PERIOD THIRTY DAYS FROM OCTOBER 28 PENDING ACTION ON APLICATION AND PROFF OF PERFORMANCE = T J SLOWIE SECRETARY F C C. Parts Ma antony
C.

17 28. F C C.

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

## WESTERNUNION

R. B. WHITE

NEWCOMB CARLTON CHAIRMAN OF THE BOARD J. C. WILLEVER

SYMBOLS

DL=Day Letter NT=Overnight Telegram

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

34

AA365 31 DL COLLECT 1 EXTRA=WASHINGTON DC 19 627P
INTERNATIONAL BROADCASTING CORP, RADIO STATION
KWKH COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 18 ATTORNEY. AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS

UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME

OPERATION FOR PERIOD THIRTY DAYS FROM SEPTEMBER 27 PENDING

ACTION ON PROOF OF PERFORMANCE:

T J SLOWIE SECRETARY FCC.

. 18 NIGHTTIME 27 FCC \*PRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

RECEIVED BY PRIVATE WIRE FROM

POSTAL TELEGRAPH

STANDARD TIME INDICATED
IN THIS MESSAGE

Form 16 PW



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL. IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE.

SYMBOLS DESIGNATING SERVICE FELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

SV1 31 DL COLLECT 1 EXTRA=RU WASHINGTON DC AUG21 1941 1250P
INTERNATION BROADCASTING CORPN=N=RADIO STATION KWKH
COMMERCIAL NATIONAL BANK BLDG SVPORT=

RELET 15 ATTORNEY AUTHORITY EXTENDED OPERATE FIFTY
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTIME OPERATION OR PERIOD THIRTY DAYS FROM AUGUST 28
PENDING ACTION ON PROOF OF PERFORMANCE:

=T J SLOWIE SECRETARY FCC.

14 28. 230P RSV 1 AD

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address

### WESTERN UNION (41)

R. B. WHITE

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL = Day Letter

NT = Overnight Telegram

C = Deferred Cable

LT = Cable Night Letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA 223 31 DL COLLECT 1 EXTRA=WASHINGTON DC 15 809P

INTERNATIONAL BROADCASTING CORP=

RADIO STA KWKH COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 15 ATTORNEY. AUTHORITY EXTENDED OPERATE 50 KILOWATTS

UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME

OPERATION FOR PERIOD THIRTY DAYS FROM JULY 28 PENDING

ACTION ON PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS COMMISSION.

15 50 28.

This is a full-rate legram or Cable-am unless its de-

3/

## WESTERN

**SYMBOLS** DL = Day Letter

NI = Night Letter

Time of receipt is STAN The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin.

AA240 31 DL 1 EXTRA COLLECT= WASHINGTON DC 24 724P INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH= COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 24 ATTORNEY AUTHORITY EXTENDED OPERATE 50 KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME OPERATION FOR PERIOD THIRTY DAYS FROM JUNE 28 PENDING ACTION OF PROOF OF PERFORMANCE= T J SLOWIE SECY FCC.

24 50 28.

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or precoding the address.

### 

R. B. WHITE

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL = Day Letter
NL = Night Letter

LC=Deferred Cable

NLT=Cable Night Lette

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at noist of origin. Time of modifying STANDARD TO ME to file file.

AA 199 33 1 EXTRA DL COLLECT= WASHINGTON DC 27 712P

INTERNATIONAL BROADCASTING CORP, RADIO STATIONAK 27 PM 6 58

COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET 26 ATTORNEY. AUTHORITY EXTENDED TO OPERATE 50
KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR
NIGHTTIME OPERATION FOR PERIOD OF THIRTY DAYS FROM MAY 28'
PENDING ACTION ON PROOF OF PERFORMANCE=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS COMMISSION.

26 50 28 SLOWIE.

This is a full-rate elegram or Cable-am unless its de-tred character is in-icated by a suitable

29

## WESTER

SYMBOLS DL = Day letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of de

SVH118 50 DL COLLECT 1 EXTRA= WASHINGTON DC 29 152P INTERNATIONAL BROADCASTING CORP= RADIO STATION KWKH COMMERCIAL NATL BANK=

RETEL 28 AUTHORITY EXTENDED TO OPERATE 50 KILOWATTS UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHTTIME OPERATION FOR PERIOD OF THIRTY DAYS FROM APRIL 28 PENDING ACTION ON PROOF OF PERFORMANCE ALSO AUTHORITY TO REPLACE CENTER TOWER BASE METER AND REMOTE ANTENNA METER AS OUTLINED IN TELEGRAM OF 28TH=

T J SLOWIE SECRETARY FCC

28 50 28 28 FCC.

This is a full-rate Telegram or Cable-gram unless its deferred character is indicated by a suitable aymbol above or precoding the address.

### WESTERN

R. B. WHITE

NEWCOMB CARLTON

(18

SYMBOLS

DL = Day Letter

NT = Overnight Telegr

LC = Deferred Cable

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

) NSA 806 41 DL COLLECT 1 EXTRA= WASHINGTON DC 8 752P

INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG SPORT=

RELET ATTORNEY 8. AUTHORITY GRANTED EXTENSION OPERATE FOR PERIOD NOT TO EXCEED TEN DAYS FROM APRIL 8 ON 1130

ANTENNA NIGHT TIME PENDING RECEIPT AND COMMISSION ACTION ON

PROOF OF PERFORMANCE MEASUREMENTS=

T J SLOWIE SECY FCC.

8 8 1 1 3 0 . PANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

### WESTERN UNION...

R. B. WHITE

NEWCOMB CARLTON

15).

SYMBOLS

DL = Day Letter

NL = Night Letter

NLT = Cable Night Les

t of destination

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of ou

SVH265 38 1 EXTRA DL COLLECT=WASHINGTON DC 28 600P INTERNATIONAL BROADCASTING CORP=

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG
TEXAS & MARKET STS=

NEW PROOF OF PERFORMANCE NOT RECEIVED. RENEWAL OF LICENSE
KWKH GRANTED 1130 KC 25 KW NIGHT 50 KW DAY KWKH DIRECTED
TO OPERATE WITH THIS POWER EFFECTIVE MARCH 29 PENDING
RECEIPT AND APPROVAL PROOF OF PERFORMANCE=
T J SLOWIE SECRETARY FCC.

1130 KC 25 KW 50 KW KWKH 29 FCCs

### VESTER

SYMBOLS

DL = Day Letter

NT =Overnals Tele

LC=Drimed Cable

NLT = Cable Night Le

m in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA204 48 DL 1 EXTRA COLLECT= WASHINGTON DC 28 724P

IMTERNATIONAL PROADCASTING CORP-

MARKETS STS SPORT=

AUTHORITY GRANTED TO OPERATE WITH BO KILOWATTS EMPLOYING TO EXPEDITE PROOF OF PERFORMANCE MEASUREMENTS IF MEASUREMENTS SU WITTED NOT SATISFACTORY STATION WILL REVERT TO 25 KILOWATTS SIGHTTIME AND 50 KILOWATTS DAYTIME PENDING SUPPLISSION AND APPROVAL OF DIRECTIONAL ANTENNA DATAS

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

25

### WESTERN

PRESIDENT

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS

DL = Day Letter

....

I C=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA135 29 COLLECT 1 EXTRA-WASHINGTON DC 29 / 30P

RADIO STATION TWKH=COMMERCIAL NATE BANK PLOG TEXAS &

RETEL 29. ON BASIS PRELIMINARY MEASUREMENTS SUBMITTED AUTHORITY GRANTED OPERATE PERIOD NOT TO EXCEED 10 DAYS ON 4150 KILOCYCLES POWER OF 50 KILOWATTS EMPLOYING DIRECTIONAL ANTENNA NIGHTTIMES

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

### WESTERN UNION

R. B. WHITE

NEWCOMB CARLTON

J.c (297)

SYMBOLS

DL = Day Letter

NL = Night Letter

NL=Night Letter
LC=Deferred Cable

LT Cable Night Lette
Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destin

AA227 15 DL COLLECT 1 EXTRA=WASHINGTON DC 28 1113P
INTERNATIONAL BROADCAST CORP=

RADIO STATION K W K H COMMERCIAL NATL BANK PLDG TEXAS

& MARKET STS SPORT=

RETEL 28 AUTHORITY GRANTED OPERATE DIRECTIONAL PATTERN DURING DAYTIME EXTENDED TO APRIL 3=

T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS
COMMISSION.

28 3.

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

23

### WESTERN 1201 IINION (24)

R. B. WHITE PRESIDENT

COMMISSION.

NEWCOMB CARLTON CHAIRMAN OF THE BOARD J. C. WILLEVER

SYMBOLS

DL = Day Letter
NL = Night Letter

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at print of destination

AA221 15 1 EXTRA GOVT WASHINGTON DC 31 926P
INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH
COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS SPORT:
YOUR FREQUENCY UNDER HAVANA LISTINGS 1130 EFFECTIVE MARCH
29. COMMISSION RELEASE WILL BE MAILED:
T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS

1130 29.

This is a full-rate Telegram or Cable-gram unless its de-ferred character is in-

## VESTERI

R. B. WHITE

DL = Day Letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destinate

AA190 19 COLLECT 1 EXTRA DL= SB WASH INGTON DC 9 533P INTERNATIONAL BROADCASTING CORP=

> RADIO STATION K W K H COMMERCIAL NATIONAL BANK BUDG TEXAS AND MARKET STS SPORT=

RELET ATTORNEY 8. TIME WITHIN WHICH TO FILE PROOF OF PERFORMANCE MEASUREMENTS EXTENDED TO JANUARY 20, 1941.= T J SLOWIE SECRETARY F C C.

8 20 1941 F C C. PPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE





THIS IS A PULL RATE TELEDRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFE ON HAND AT EACH OFFICE AND ON PILE WITH REGULATORY AUTHORITIES.

D114 D.NOA405 (SIX ) 33 1 EX DL COLL RY WASHINGTON DC 15 730P=

INTERNATIONAL BROAD CASTING CORPORATION

RADIO STATION K W K H COMMERICAL NATIONAL BANK

SHREVEPORT LA=

RELET ATTORNEY 14 AUTHORITY EXTENDED OPERATE FIFTY KILOWATTS
UNLIMITED TIME EMPLOYING DIRECTIONAL ANTENNA FOR NIGHT TIME (
OPERATION FOR PERIOD THIRTY DAYS FROM DECEMBER 19 PENDING ACTION
ON PROOF OF PERFORMANCE AND APPLICATION=

: T J SLOWIE SECRETARY

14 19





THIS IS A FULL RATE TELEGRAM CARE. GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFF'S ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

NO54 31 1 EX DL COLLECT=RY WASHINGTON DC 14 156P MYO DEC 14 PM 1 INTERNATE BROADCASTING CORPN= RADIO STATION KWKH COMMCL NATL BANK BLDG TEX AND MARKET STS

SHREVEPORT LOU=

RELET ATTORNEY 13. AUTHORITY OPERATE EITHER DIRECTIONAL OR NON-DIRECTIONAL DURING DAYTIME HOURS EXTENDED FOR PERIOD NOT TO EXCEED FIFTEEN DAYS IN ORDER TO COMPLETE PROOF OF PERFORMANCE MEASUREMENTS=

T J CLOWIE SECRETARY FCC.

This is a full-rate legram or Cable-am unless its de-

### WESTERN

(15)

DL = Day Letter L=Night Letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA 196 18 GOVT DL COLLECT=R WASHINGTON DC 9 64 DEC 9 INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG TEXAS AND MARKET STS SPORT=

RELET ATTORNEY 6 TIME WITHIN WHICH TO FILE PROOF OF PERFORMANCE MEASUREMENTS EXTENDED TO JANUARY 10 1941= T J SLOWIE SECRETARY F C C.

6 10 1941.

This is a full-rate Teles in or Cablegram unless its deferrod character is indicated by a suitable symbol above or preceding the address.

### WESTERN! UNION

R. B. WHITE

NEWCOMB CARLTON

J. C. WILLEVER

SYMBOLS
DL =Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

The filing time shown in the date line on telegrams and day letters in STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

1940 NOV 27 PM 5 53

(52)

INTERNATIONAL BANK BLDG TEXAS & MARKET STS SPORT=

RETEL 26. AUTHORITY GRANTED OPERATE TWO 100 WATT
TRANSMITTERS ON 1100 KC DURING EXPERIMENTAL PERIOD FOR
PERIOD NOT TO EXCEED TEN DAYS BEGINNING NOVEMBER 28 IN
ORDER FACILITATE READJUSTMENT KWKH DIRECTIONAL ANTENNA=
T J SLOWIE SECRETARY FCC.

26 100 1100 KC 28 KWKH ANTENNA.

STANDA	RD TIME INDICATED
RECEIVED A	T
TELEPH	ONE YOUR TELEGRAMS



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTF-ERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

NO147 30 DL COLLECT 1 EXTRA=RY WASHINGTON DC 26 643P
INTERNATIONAL BROADCASTING CORP= NOV 26 PM 6 33

RADIO STATION KWKH COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS

RELET ATTORNEY. AUTHORITY OPERATE EITHER DIRECTIONAL OR NON-DIRECTIONAL DURING DAYTIME HOURS EXTENDED FOR PERIOD NOT TO EXCEED TWENTY DAYS IN ORDER TO FACILITATE PROOF OF PERFORMANCE MEASUREMENTS=

T J SLOWIE SECRETARY F C C.

ADDRESS ALL COMMUNICATIONS
TO THE SECRETARY

JAMES LAWRENCE FLY, CHAIRMAN

THAD H, 9ROWN
PAUL A, WALKER
NORMAN S, CASE
GEORGE HENRY PAYNE
T, A, M, CRAVEN

FREDERICK I. THOMPSON

FEDERAL COMMUNICATIONS COMMISSION WASHINGTON, D. C.

T. J. SLOWIE, SECRETARY

aloune.

November 13, 1940

International Broadcasting Corporation Radio Station K W K H Commercial National Bank Building Texas and Market Streets Shreveport, Louisiana

Gentlemen:

Receipt is acknowledged of a letter dated November 9, 1940, from your attorney requesting extension of time in which to make new proof of performance measurements.

This letter authorizes extension of 30 days from November 10, 1940 in which to submit the additional proof of performance measurements as outlined in the Commission's telegram of July 11, 1940.

Very truly yours

T. J. Slavie Secretary

CC: Mr. Charles V. Wayland

This is a full-rate Telegram or Cablegram unless its defewed character is indicated by a suitable symbol above or preceding the address.

## WESTERN (50) UNION

R. B. WHITE

NEWCOMB CARLTON CHAIRMAN OF THE BOARD J. C. WILLEVER

SYMBOLS

DL = Day Letter

NL = Night Letter

LC = Deferred Cable

NLT = Cable Night Letter

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AA175 35 DL COLLECT 1 EXTRA=WASHINGTON DC 30 MOST 30 PM 5 31
INTERNATIONAL BROADCASTING CORP, RADIO STATION KWKH

COMMERCIAL NATL BANK BLDG TEXAS & MARKET STS SPORT=

RELET ATTORNEY 26. RETEL ENGINEER 29. AUTHORITY GRANTED

OPERATE EITHER DIRECTIONAL OR INDIRECTIONAL DURING DAYTIME
HOURS FOR PERIOD NOT TO EXCEED TWENTY DAYS AS NECESSARY IN

ORDER TO FACILITATE PROOF OF PERFORMANCE MEASUREMENTS=

T J SLOWIE SECRETARY

FEDERAL COMMUNICATIONS COMMISSION.

26 29.

### FEDERAL COMMUNICATIONS COMMISSION Washington, D. C.

43250

September 11, 1940
PUBLIC NOTICE

The Commission today entered an Order further extending standard broadcast station authorizations expiring October 1, 1940 for an additional period ending March 29, 1941. The order applies to all standard broadcasting station licenseed and extends the expiration date of all such licenses for which applications for renewal have been filed. If an application for renewal for regular operation covering the period beyond August 1, 1940 has been filed, it will not be necessary to refile such application under the provisions of the Commission's order.

The Order of the Commission by its own terms extends the effective date of the licenses to which it applies. Modified licenses to cover the new expiration date will not be issued. Licensees are required to post the Commission's Order attached to their licenses in accordance with the rules governing posting of licenses.

ADDRESS ALL COMMUNICATIONS TO THE SECRETARY

JAMES LAWRENCE FLY, CHAIRMAN

THAD H. BROWN

PAUL A. WALKER

NORMAN S. CASE

GEORGE HENRY PAYNE

T. A. M. CRAVEN

FREDERICK I, THOMPSON

T. J. SLOWIE, SECRETARY

#### FEDERAL COMMUNICATIONS COMMISSION

WASHINGTON, D. C.

September 4, 1940

International Broadcasting Corporation Radio Station K W K H Commercial National Bank Building Texas and Market Streets Shreveport, Louisiana

Gentlemen:

Receipt is acknowledged of a letter dated August 31, 1940, from your attorney, requesting extension of time in which to submit additional proof of performance data due to the inability to secure necessary insulators and meters.

This letter authorizes extension of 30 days from September 10, 1940, in which to submit the additional proof of performance measurements as outlined in the Commission's telegram of July 11, 1940.

Very truly yours.

CC: Mr. Ben S. Fisher

Acting Secretary

RECEIVED BY PRIVATE
WIRE FROM
POSTAL TELECOADU

BE JUSTINE TO THE

POSTAL TELEGRAPH

STANDARD TIME INDICATED
I' THIS MESSAGE



THIS IS A FULL RATE TELEGRAM, CABLE-GRAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. SYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIPPS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

Form 16 PW

n

SV3 41 DL COLLECT 1 EXTRA: RU WASHINGTON DC JUL 11 1940 510P
INTERNATIONAL BROADCASTING CORP=RADIO STATION KWKH

COML BLDG TEX AND MKT STS SVPORT=

RELET 8. ON BASIS YOUR CONSULTING ENGINEERS RECOMMENDATIONS

AUTHORITY GRANTED OPERATE THIRTY DAYS BEGINNING JULY 10 DURING

EXPERIMENTAL PERIOD MAKING CHANGES GROUND SYSTEM, PHASE MONITOR

PICKUP AND MODIFIED PHASING AND CURRENT RATIOS IN ORDER SUBMIT

ADDITIONAL PROOF PERFORMANCE DATA=

T J SLOWIE SECRETARY FCC. 8. 452PM. . RY

#### FEDERAL COMMUNICATIONS COMMISSION

41565

Washington, D. C.

June 12, 1940

#### ORDER

At a meeting of the Federal Communications Commission, held at its offices in Washington, D. C., on the 11th day of June, 1940,

The Commission having under consideration its Orders of January 29 and February 15, 1940, entered for the purpose of fedilitating the carrying out of the North American Broadcasting Agreement, and establishing the acciration date of outstanding instruments of authorization for standard broadcast stations as of August 1, 1940, and

The Commission also having under consideration applications for renewal of such instruments of authorization heretofore filed, and .

IT APPEARING that the carrying out of the provisions of said Agreement cannot be completed by August 1, 1940.

IT IS ORDERED, That all instruments of authorization for the operation of standard broadcast stations expiring August 1, 1940, and for which applications for renewal have been filed with the Commission, pending further consideration of said applications, BE, AND THE SAID INSTRUMENTS OF AUTHORIZATION ARE HEREBY, EXTENDED to expire at 3 a.m. E.S.T., October 1, 1940.

This Order shall become effective immediately.

FEDERAL COMMUNICATIONS COMMISSION

T. J. Slowie, Secretary.

June 11, 1940

### SIANDARD REDADCAST STATION LICENSES EXTENDED PRIDING COMPLETION OF TREATT REALLOCATIONS

- 0 -

In order to permit further studies of the frequency assignments to stations under the Morth American Regional Broadcast Agreement, the Federal Communications Commission today extended standard broadcast station licenses expiring August 1 for an additional two months, to October 1. The Commission will announce at a later date the procedure with respect to the licensing of facilities which will be available under the provisions of this agreement.

Today's order applies to all standard broadcast stations, and automatically extends the expiration date of all licenses for which applications for renewals have been filed. Modified licenses to cover the new expiration date will not be issued.

Licensees who have not as yet submitted renewal applications are notified that in order to permit operation after August 1 applications for renewal, based on the present authorized facilities, must be filed. However, if an application for renewal covering the period beyond August 1 has been filed, it will not be necessary to re-file such application under the provisions of today's order.

Licensees are required to post the Commission's order attached to their licenses in accordance with the rules governing posting of licenses.

D TIME INDICATED

ONE YOUR TELEGRAMS



THIS IS A PULL RATE THE GRAM OR RADIOGRAM UP I INDICATED BY SYMBOL IN OR IN THE ADDRESS OF THE SYMBOLS DESIGNATING SER ARE OUTLINED IN THE COMP ON HAND AT EACH OFFICE AND OF THE WIN

SV1 33 COLLECT DL 1 EXTRA=RU WASHINGTON DC 1252P JAN 31, 1940=

INTERNATIONAL BROADCASTING CORPN=RADION STATION KWKH
PXX SHREVEPORT=

THE COMMISSION HAVING UNDER CONSIDERATION THE NORTH AMERICAN REGIONAL BROADCASTING AGREEMENT HAS (GRANTED APPLICATION FOR RENEWAL OF LYON FOR STATION KWKH FOR THE PERIOD ENDING 3 AN EST AUGUST 1 1940=

Liconer

T J SLOWIE SECY FCC.

File No.	3-1	-	151	9	
Official No.		5	2		
Call letters	K	W	K	H	

#### UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

#### RADIO BROADCASTING STATION LICENSE

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to conditions set forth in this license, the LICENSEE
INTERNATIONAL BROADCASTING CORPORATION

Antenna current 12.0 amperes for 50 kilo watts; XXX amperes for XXX, watts.

Antenna resistance 140 ohms. for 50 kilowatts for non-directional antenna.

3. During the following period or periods of time:

Unlimited time. Average hour of local sunset: February, 5:00 p.m.; March, 6:15 p.m.; Irril, 6:45 p.m.; May, 7:00 p.m.; June, 7:30 p.m.; July, 7:30 p.m.; Central Standard Time. K W K H

5. With the main studio of the station located at:

\*Employing directional antenna night.
Directional antenna system: three-clement array\*\*\*, height of vertical lead each rediator 475', overall height 486', spaced 112.5° on a line bearing 25° true. Current phasing: North tower, +90°; Center tower, 0°; South tower, -90°. Current ratios.
North tower, 1.0; Center tower, 1.35.
South tower, 1.0. Phase monitor indications (mounted in speech input relay rack): North Commercial National Bank Building., (mounted in speech input relay rack): North Toxas and Market Sts., tower leads center tower by 190°; south tower leads center tower by 67°; South tower leads center tower by 237°. The apparatus hereinabove authorized to be used and operated is located at:

320 421 25" North, Genn Road, Dixie, Louisiana, Lat. 93 53 10 West. Long.

and is described as follows: WESTERN FLECTRIC, Type 306-1-Modified Broadcasting Transmitter. Direct Crystal Control. Last ratio stage: four 12500 ant vacuum tubes for low level modulation (Federal Telegraph F-124-A). Is simular to control power output 50 kilovatts. The field intensity at night of Station KWH measured at the modifier points described on the target direct chall not exceed the following values: Point #1. 27.5 mv/m; Point #2. 34.5 mv/m. Towers to be painted and lighted in accordance with specifications dated leads for emergency purposes only, when by reason of breakdown or similar reason the said apparatus cannot be used, the licensee is authorized to use and operate (but only in accordance with the terms and conditions of this license) the auxiliary radio transmitting apparatus located at:

\*\*\* Ground system: 120 - 375' radials buried 4 to 6" around the base of each tower.

ACT ACCOMPANION TO

THE STREET STREET, CONTROL TO STREET

Antenna current at common point - 11.1 amperes for 50 kilowatts. Antenna resistance at common point - 404.0 ohms for 50 kilowatts. Non-Directional antenna: Center tower of directional array is used; end towers detuned by grounding.

This license is issued on the licensec's representation that the statements contained in licensec's application are true and

that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licer see any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other mani er than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by section 606 of the Communications

Dated this 29th day of Jenuary 19.40

By direction of the FEDERAL COMMUNICATIONS COMMISSION,

SEAL

U.S. GOVERNMENT PRINTING OFFICE 16-3976

**World Radio History** 

DESCRIPTION OF MONITORING POINTS:

Point #1, direction of Atlantic City, N. J. This point is site #15 on radial B and is located on a farmer's lane on the east side of U. S. Highway No. 71 and at a distance of 0.2 miles from the center of the highway. Another farm lane crosses the farm lane shown on the map at the measuring point, and the farmer's lane on which measuring site #15 falls, leaves Highway No. 71 at a point 1.82 miles north of the intersection of Gamm Road.

Point #2, direction of Vancouver, B. C. This moint is site #18 on radial I and is located 1.6 miles east of State Route No. 8 on Eelcher-Ceddo City road northeast of Oil City, La., beside a stumpy marsh.





THIS IS A FOLL WITH TELESCOME. CASCAGERAM OR RADIOGRAM UNLESS OTHERWISE INDICATED BY SYMBOL IN THE PREAMBLE OR IN THE ADDRESS OF THE MESSAGE. BYMBOLS DESIGNATING SERVICE SELECTED ARE OUTLINED IN THE COMPANY'S TARIFFS ON HAND AT EACH OFFICE AND ON FILE WITH REGULATORY AUTHORITIES.

NO146 47 DL COLLECT 1 EXTRA=RY WASHINGTON DC 28 231P
INTERNATIONAL BROADCASTG CORP= 1939 OCT 28 PM 2 19
RADIO STATION KWKH COMMCL NATL BK BLDG TEX AND MARKET STS

SHRE VEPORT=

RELET ATTORNEY TWENTY EIGHTH. AUTHORITY GRANTED OPERATE UNDER SPECIAL EXPERIMENTAL AUTHORIZATION B3-MSA-50 IN ACCORDANCE WITH PROOF OF PERFORMANCE SUBMITTED THIS DATE. REVISED SPECIAL EXPERIMENTAL AUTHORIZATIONS SETTING FORTH DETAILS OF AUTHORIZED OPERATION WILL BE ISSUED. POWER TO BE DETERMINED BY THE INDIRECT METHOD:

IT J SLOWIE SECY FEDL COMMS COMMISSION.

This is a full-rate Telegram or Cable-gram unless its deferred character is indicated by a suitable symbol above or preceding the address.

# WESTERIJ

n etter NM = Night Mr. NL = Night Letter LC = Deferred Cable NLT = Cable Night Letter Ship Radiogram

SVB182 47 DL COLLECT 1 EXTRA= WASHINGTON DC OCT 4 1939 537P

RADIO STATION KWKH=

RETEL FOURTH AUTHORITY GRANTED OPERATE DAYTIME WITH NEW DIRECTIONAL ANTENNA PERIOD NOT TO EXCEED TEN DAYS WHILE COMPLETING FIELD INTENSITY MEASUREMENTS. SUCH OPERATION SHALL CEASE IMMEDIATELY UPON COMPLETION OF MEASUREMENTS AND FURTHER SUCH OPERATION NOT AUTHORIZED UNTIL PROOF OF PERFORMANCE HAS BEEN SUBMITTED AND APPROVED=

> :T J SLOWIE SECRETARY FEDERAL COMMUNICATIONS

> > COMMISSION. (515P'

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
SPECIAL TEMPORARY EXPERIMENTAL AUTHORIZATION
TO BROADCAST STATION
Modified as of February 27, 1939

In addition to the authorization contained in License No. B3-R-452 dated January 24, 1939, the LICENSEE INTERNATIONAL BROADCASTING CORPORATION

is hereby authorized to construct the radio transmitting apparatus herein described only on the frequency of 1100 kilocycles, with 50 kilowatts power, unlimited time, using conventional non-directive antenna in daytime\* and using directional antenna nighttime, for the term beginning February 27, 1939, and ending in no event later than 3 a.m., Eastern Standard Time, August 1, 1939.

\*Average hour of local sunset: February, 6:00 p.m.; March, 6:15 p.m.; April, 6:45 p.m.; May, 7:00 p.m.; June, 7:30 p.m.; July, 7:30 p.m.; Central Standard Time.

The apparatus herein authorized to be constructed shall be located at 3 miles West of Dixie, near Dixie, Louisiana, Latitude - 32° 42° 25" North, Longitude - 93° 53° 10" West, and is described as follows:

WESTERN ELECTRIC, Type 306-A Broadcasting Transmitter. Direct Crystal Control. Last radio stage: six 8.5 kilowatt vacuum tubes for low level modulation (W.E. 232-A). Maximum rated carrier power output 50 kilowatts.

This modified special temporary experimental authorization is granted upon the following express conditions:

- 1. A directional antenna system shall be used consisting of 3-element array, height of each radiator 190° (475'), spaced 112° (275'), located on a line bearing 25° East of North; phasing southwest tower plus 90, center tower 0, northeast tower minus 90; current ratio southwest and northeast towers 1 and center tower 1.84.
- 2. The unabsorbed field intensity of KWKH at a distance of one mile from the transmitter in the directions of Atlantic City, New Jersey and New York, New York, shall not exceed 100 mv/m.
- 3. To designate with complete detail the field intensity monitoring stations at points between Station KWKH and Atlantic City, New Jersey and New York, New York, said sites to be in the clear so as to permit the taking of field intensity measurements of the unobstructed field of the stations located not more than 4 miles or less than one mile from the transmitter of KWKH.
- 4. Before any operation occurs during the regular broadcast day, data shall be submitted showing that operation is in accordance with the above specifications and that the field intensity pattern is in substantial agreement with the theoretical pattern specified in the application.

3

5. The towers shall be painted and lighted in accordance with the following specifications:

Each tower shall be painted throughout its height with alternate bands of international orange (orange yellow No. 5 of Color Card Supplement to the United States Army Quartermaster Corps Specifications No. 3-1) and white, terminating with international orange bands at both top and bottom. The width of the international orange bands shall be from 30 to 40 feet. The white bands shall be one-half the width of the international orange bands.

For night marking there shall be installed at the top of each tower a flashing red hazard beacon similar to a 300 mm electric code beacon of the double Fresnel lens type, equipped with two 500-watt general lighting service lamps, Type PS-40, clear, mogul prefocus base (both lamps to burn simultaneously), and aviation red color shades. The 300 mm code beacon to be equipped with a flashing mechanism producing 40 flashes per minute, having a luminous period of one second and a period of darkness of one-half second.

At the 375, 275, 175 and 75-foot levels of each tower there shall be installed 100-watt lamps arranged so that one lamp at each level shall be visible from anyaangle of approach.

All 100-watt lamps to be Type A-21 clear bulb traffic signal lamps (2000 hours).

All lamps shall be enclosed in aviation red prismatic obstruction light globes and all lighting shall be exhibited from dusk to dawn.

The entire system of obstruction lighting shall be controlled by a Light Sensitive Control Device, the adjustment being such that lights will be turned on at a north sky light intensity level of 20-feet candles and turned off at a north sky light intensity level of 40-foot candles. Units furnished in accordance with Bureau of Air Commerce Specification No. BA-224 will be satisfactory.

There shall be installed a 24-inch 1000-watt red rotating beacon equipped with an automatic lamp changer, to mark the installation. The beacon may be installed on the roof of the transmitter building, provided the point will afford proper visibility, otherwise it may be necessary to install the beacon on a separate tower of proper height or on the radio tower itself. The recommended setting of the rotating beacon is such that the center line of the light beam should be approximately 3 degrees above horizontal.

When and if such radio equipment is approved and commercially available, the licensee will be required to install and operate:

- (1) A radio marker of a type to be specified by the Civil . Aeronautics Authority.
- (2) Any new development in warning devices which may be considered necessary to provide additional or improved marking for this obstruction of a type or types to be specified by the Civil Aeronautics Authority.

Nothing contained herein shall be construed as a finding by the Commission on the question of additional marking or lighting of the antenna system should future conditions require. The licensee expressly agrees to install such marking or lighting as the Commission may hereafter require under the provisions of Section 303 (q) of the Communications Act of 1934.

Adequate red warning lights should be placed on the structures during the period of construction and until the specified obstruction lights are installed and in operation.

This special temporary experimental authorization is issued upon the express condition that the licensee (International Broadcasting Corporation) agrees to and will revert to the station's former assignment, (i.e., specified hours on 850 kilocycles, 10 kilowatts power) at any time without hearing upon ten (10) days notice to that effect by the Commission, and the acceptance and operation under the authority herein contained shall be conclusive of agreement hereto.

This special temporary experimental authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This special temporary experimental authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Dated this 27th day of February, 1939.

By Direction of the FEDERAL COMMUNICATIONS COMMISSION

(Signed) T. J. Slowie

Secretary

(SEAL)

LL RATE CABLE
FERRED CABLE
GHT CABLE
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Mackau Radio

all america Cables

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Send the following message, subject to the terms on back hereof,

which are hereby agreed to

Form 2

NO243 36 NL COLLECT 1 EXTRA RU WASHINGTON DC 25

1939 AUG 25 PM 9 56

INTERNATIONAL BROADCASTING CORP RADIO STATION KWKH COMMERCIAL NATIONAL BANK BLDG TEXAS AND MARKET STS SHREVEPORT COMMISSION GRANTED KWKH AUTHORITY FOR EXCITATION OF SINGLE RADIATOR AS REQUESTED BEGINNING AUGUST 28 ENDING NO EVENT LATER SEPTEMBER 26 BEGINNING ONE HOUR AFTER SUNRISE ENDING ONE HOUR BEFORE SUNSET MAKE FIELD INTENSITY MEASURE FINTS

T J SLOWIE SECR TARY FCC