

Provided by Field Operations Bureau



AM & FM Broadcast Station Checklist

Partial Index By Subject To Rules For AM & FM Broadcast Stations

Since rules are subject to periodic revisions, listings should be checked with recent rule changes as they occur. This is not a complete listing of all rules to which stations may be subject.

1.	Station Document & Records	AM	FM
	License, CP, Renewal, Program test posted	73.92[a]	73.264[a]
	Operator licenses posted or 759 posted	73.92[b]	73.264[b]
	Operators licensed, BC endorsed	73.93	73.265
	SCA, Auxiliary, alternate, PSA authority	73.92[a]	73.264[a]
	Remote control authorization	73.92[a]	73.264[a]
	Designated chief operator agreement posted	73.93[h]	73.265 [d]
	Contract chief operator agreement	73.93 [c]	73.265 [c]
	Antenna impedance measurement	73.116[a]	_
	Field strength measurement for directional systems	73.116[a]	_
	Letter approving transmitter modifications	73.92[a]	73.264[a]
	Contracts for SCA, brokers, etc.	1.613[d]	1.613[d]
	Logs and Records available	73.116[a]	73.286[a]
	Station available for FCC inspection	73.97	73.263
	Logs relinquished to Commission on request	1.6[a]	1.6[a]
2.	Notices To Be Filed With E.I.C.		
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	Program test authority advance notice	73.96[a]	73.217[a]
	Request for inspection	73.95[d]	73.216[d]
	Letter designating chief operator	73.93[h]	73.265[d] [1]
	Replacement of transmitter	73.48[a] [5]	73.250[a] [5]

3. Transmitter 73.48 Transmitter acceptable/or as shown on license 73.250 Operating power correct 73.267[b] 73.52[a] [1] Function of meters labeled 73.258[d] 73.58[d] Meters accurate 73.1215[f] 73.1215[f] Meter(s) proper scale/range all powers 73.1215 73.1215 Interlock and safety provisions 73.40[b] 73.317[b] Power adjustment capability 73.40[a] 73.317[a] [8] [8] Efficiency O.K. 73.46[a] **GEP** Transmitter efficiency factor available 73.267[a] [3] Transmitter and associated equipment operated in 73.46[a] **GEP** accordance with good engineering practice (GEP) Transmitter modifications approved 73.43 73.257 Frequency in tolerance 73.59 73.269 Modulation within tolerance 73.55 73.268 73.317[f] Compression/limiting not excessive GEP [1] 4. Studio and Control Point Main studio location as licensed 73.31 73.210 Operator's primary duty is operation of Tx 73.93[i] 73.265[g] 73.67[a] 73.275[a] Remote control point security [1] [1] Function of meters labeled 73.58[d] 73.258[d] 73.317 Equipment/wiring—good engineering practice 73.46[a] 73.40 Transmitter/Monitor visible to operator 73.93[a] 73.265[a] EBS alarm visible or audible 73.932[a] 73.932[a] EBS check lists immediately available 73.908 73.908 Extension meters visible 73.70[c] 73.276[c]

	Operators instructed or instructions and limits posted at operating position	73.93[g]	73.265[f]
	Operator can monitor/control SCA program	_	73.29 5[c]
5.	Tower and Antenna		
	Unauthorized changes in radiating system	73.45[b]	73.257[b] [4]
	Correct color (TSA—terms of station license)	17.23	17.23
	Correct number of bands (TSA)	17.23	17.23
	Lighting agrees with license	TSA	TSA
	Top and flashing lights work or FAA notified	17.48[a]	17.48[a]
	Photocell and flashing mechanism	TSA	TSA
	Radials protected and in good condition	73.189[b] [4] & [5]	
	Antenna & transmission line not exposed	73.40[b] [3][v]	_
	Base fence secure and grounded	73.40[b] [3][vi]	_
	Tuning house security	73.40[b] [3][iv]	_
	Base ammeter 2% calibration to remote	73.57[d][3]	
	Weeds cut in antenna area	GEP	_
	Satisfactory field strength at 1 mile	73.189[b] [2]	
	Spurious or harmonic emissions	73.40[a]	73.317[a] [3]
	Base meters in range for all powers	73.58[a]	
	Remote sample unit location O.K.	73.57[b]	_
6.	Modulation Monitor		
	Modulation monitor installed & working	73.56[a]	73.253[a]
	Peak light calibrated & flashing properly	73.56[a]	73.253[a]
	Can check to +125% if used	73.56[d]	

	Alternate means for defective monitor	73.56[b][2]	73.253[b] [2]
	Modulation monitor type approved	73.56[a]	73.253[a]
	Stereo monitor if transmitting stereo		73.253[a] [1]
	SCA monitor if transmitting SCA		73.253[a] [2]
7.	EBS		
	Receiver decoder installed and working	73.932[a]	73.932[a]
	Weekly test transmissions made unscheduled	73.961[c]	73.961[c]
	EBS tests being received	73.932[c]	73.932[c]
	Check list immediately available	73.908	73.908
	Equipment loan inventory O.K.	Terms of loan	agreement
	EBS tone encoder installed/working	73.932[b]	73.932[b]
	Monitoring correct station assignment	73.932[a]	73.932[a]
8.	Remote Control Operation		
8.	Remote Control Operation Positive on/off and failsafe circuits	73.67[a][2]	73.275[a] [2]
8.		73.67[a][2] 73.67[a][1]	
8.	Positive on/off and failsafe circuits		[2] 73.275[a]
8.	Positive on/off and failsafe circuits Transmitter security	73.67[a][1]	[2] 73.275[a] [1] 73.275[a]
8.	Positive on/off and failsafe circuits Transmitter security Remote meters have true calibration or charts	73.67[a][1] 73.67[a][7]	[2] 73.275[a] [1] 73.275[a] [7] 73.275[a]
8.	Positive on/off and failsafe circuits Transmitter security Remote meters have true calibration or charts Remote meter correct scales	73.67[a][1] 73.67[a][7] 73.67[a][6]	[2] 73.275[a] [1] 73.275[a] [7] 73.275[a] [6] 73.275[a]
8.	Positive on/off and failsafe circuits Transmitter security Remote meters have true calibration or charts Remote meter correct scales Remote meters calibrated weekly	73.67[a][1] 73.67[a][7] 73.67[a][6] 73.67[a][5]	[2] 73.275[a] [1] 73.275[a] [7] 73.275[a] [6] 73.275[a] [5] 73.275[a]
8.	Positive on/off and failsafe circuits Transmitter security Remote meters have true calibration or charts Remote meter correct scales Remote meters calibrated weekly Remote meters agree within 2%	73.67[a][1] 73.67[a][7] 73.67[a][6] 73.67[a][5] 73.67[a][5]	[2] 73.275[a] [1] 73.275[a] [7] 73.275[a] [6] 73.275[a] [5] 73.275[a] [5] 73.275[a]

	Phase & base current for each pattern as required	73.114[a] [8]	_
	Termination of remote control when required	73.67[a][3]	73.275[a] [3]
	Operator using "off-air" monitor	13.7[b]	13.7[b]
	Type approved antenna monitor remote reading	73.69[a]	
	DA antenna skeleton proof conducted annually	73.66[c]	_
	Modulation continuously monitored if limiter not used	73.67[a][8]	73.275[a] [8]
	Provision to Monitor/Control SCA	-	73.275[a] [4]
9.	Extension Metering		
	Transmitter accessible within 100 feet	73.70[b]	73.276[b]
	All required meters extended	73.70[d]	73.276 [d]
	Meters have correct scales	73.70[d]	73.276[d]
	Extension meters calibrated weekly	73.70[f]	73.276[f]
	Extension meters agree within 2%	73.70[f][3]	73.276[f] [3]
	Extension meters operate continuously	73.70[e]	73.276[e]
	Modulation indicators installed	73.70[g]	73.27 © [g]
10.	Operating Log		
	Logs retained for 2 years	73.115	73.285
	Signed at start and end of duty	73.111[a]	73.281[a]
	Signed and dated by designated chief	73.93[h][4] [iv]	73.265[d] [5][iv]
	Pages numbered and dated	73.111[b]	73.281[b]
	Indicated advanced or nonadvanced times	73.111[b]	73.281 [b]
	Time of power to antenna	73.113[a] [1][i]	73.283[a] [1]
	Daily tower light observation	73.113[a] [1][ii]	73.28 3[a] [5]

	If tower lights out, indication FAA notified	73.113[a] [1][ii] 17.49[c][4]	73.283[a] [5] 17.49[c][4]
	Adjustments to transmitter parameters	73.113[a]	73.283[a] [3]
	Plate voltage and plate current	73.113[a] [1][iv]	73.283[a] [3][i]
	Antenna current or common point current	73.113[a] [1][iv]	_
	Sample loop current	73.113[a] [2][ii]	_
	Phase indications	73.113[a] [2][i]	_
	Transmission line meter for direct power	_	73.283[a] [3][ii]
	Meter readings without modulation	73.113[a]	_
	No variation in readings for long periods	GEP	GEP
	Entries for commencement at each mode and at 3 hour intervals	73.113[a] [1][iv]	73.283[a] [3]
	Efficiency factor derivation, Ep $ imes$ Ip for indirect power	73.113[a] [1][iii]	_
	EBS Tests transmitted and received	73.961 73.113[a] [1][v]	73.961 73.283[a] [2]
	Corrections made properly	73.113[d]	73.283 [d]
11.	Maintenance Logs		
	Logs available upon request	73.116[a]	73.286[a]
	Logs retained for 2 years	73.115	73.285
	Signature, date & time of inspection	73.114[c]	73.284[c]
	Weekly Tx system inspection results	73.114[b]	73.284[b]
	Entries by holder of First Class License	73.114[a]	73.265[b]
	Weekly calibration of base and remote reading antenna/common point RF meters	73.114[a] [1][i]	_
	Time and date of auxiliary Tx tests	73.114[a] [1][ii]	73.284[a] [1]

	Frequency check results & methods used	73.114[a] [1][iii]	73.284[a] [2]
	Calibration of automatic recorders	73.114[a] [1][iv]	73.284[a] [3]
	Calibration of remote control meters	73.114[a] [1][vi]	73.284[a] [5]
	Calibration of extension meters	73.114[a] [1][vii]	73.284[a] [4]
	Calibration of antenna monitor	73.114[a] [1][v]	_
	Time & date of removal of meters and monitors	73.114[a] [2]	73.284[a] [6]
	Quarterly tower light inspection	73.114[a] [3]	73.284[a] [7]
	Entries required by authorization	73.114[a] [5]	73.284[a] [10]
	Experimental operation	73.114[a] [4]	73.284[a] [8]
	Field strength measurements	73.114[a] [6]	_
	Common point current	73.114[a] [8][i]	_
	Base current, Ratio, % deviations	73.114[a] [8][ii]	_
	Remote base or sample current, ratio, % deviation	73.114[a] [8][iii]	_
	Phase indications & percent deviations	73.114[a] [8][iv]	_
	Calibration of power output meter	_	73.284[a] [9]
	Corrections made properly	73.114[d]	73.284[d]
12.	Program Log		
	Indication of advanced/nonadvanced time	73.111[b]	73.281 [b]
	Logs retained for 2 years	73.115	73.285
	Operator signature at start and end of duty	73.111[a]	73.281[a]

[2][s]826.t	[č][s]82č.t	Annual employment reports	
[b]0es.87	73.120[d]	Political use requests	
1.526[a][3]	[6][8]323.f	Ownership reports filed after May 13, 1965	
[1][8]82 2 .f	[1][6] 32 2.f	Applications tendered after May 13, 1965	
1.526[d]	1.526[d]	Records at accessible location	
		Public Inspection File	13.
[d] 282. E7 [vi][4]	[d]Stt.67 [vi][4]	Announcement of prerecorded material	
[4][1]	[v][r]	guuonucements	
[4]182.87 [73.282[b]	[d]S1112[b]	Name and political affiliation for political	
[4]182.87	[d] i i i . 57	Logs orderly and legible	
8 [5]182.257 73.282[h]	8 [5]111.E7 73.112[h]	Corrections made properly	
[4] 282. 87 [1][1]	[d]Stt.ET [i][t]	Entry identifying program by name or title	
[d] 282. E7 [ii][2]	[d]&rr.&7 [ii][s]	Entry showing duration of commercial matter	
[d] 282. E7 [iii][4]	[d]Stt.ET [iii][4]	Entry of Pre-Grant announcement (1.580)	
73.2 8 2.65] [3]	(3) [8]	PSA's show party for whom made	
[d]282.E7 [iii][r]	[4]Stt.87 [iii][t]	Entry clarifying type of program (e.g., pol., ED, EDIT.)	
[d]282.E7 [vi][l]	[d]Stt.ET [vi][t]	Entry clarifying source of program (e.g, net, local, rec.)	
[d]282.87 [v][l]	[d]S11.E7 [v][1]	Political affiliation for political programs and talks	
[d]282.E7 [ii][r]	[d]Stt.87 [ii][t]	Program start and end times indicated	
[4] 282. 87 [i][2]	[4]\$11.87 [i][\$]	Sponsor name shown in log (not brand name)	
[4]282.E7 [4][i]	[4]211.87 [i][4]	nworks semit Q1 noitst2	
[d]182.ET	[d]111.67	Key to abbreviations contained in log	
[d]18 2 .87	[d]111.67	Pages numbered and dated	

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	Certificate of logging data	73.112[f] [2]	73.282[f] [2]
	All required information available	73.112[g]	73.282[g]
15.	Radio Operator		
	First class operator full or contract	73.93[d]	73.265[d]
	First class operator full time if DA critical array	73.93[e]	_
	Third class operators have broadcast endorsement	73.93[c], or [d]	73.265[c], or [d]
	RP LIC for ATS operation	73.140[c] [2]	73.340[c] [2]
16.	Other Operating Requirement		
	Required station identification	73.1201[a]	73.1201[a]
	Sponsors identified on air	73.1212	73.1212
	Presunrise operation	73.99	_
	Time and modes of operation correct	73.87 & TSA	_
	Transmitting phone call requirements	73.1206	73.1206
	Rebroadcasting other stations	73.1207	73.1207
	Delayed-recorded broadcast announced	73.1208[a]	73.1208[a]
	Bi-monthly announcement of licensee obligation	73.1202	73.1202
	No fraudulent billing	73.1205	73.1205
	EEO Compliance	73.125	73.301
	Compliance with rules re: personal attacks and political editorials	73.123	73.300
	Letter to Commission describing emergency operation	73.98[f]	73.298[e]
17.	Equipment Performance Measurements		
	EPM available for inspection	73.47[b]	73.254[c]
	EPM available for two (2) years	73.47[b]	73.254[c]
	EPM made yearly (14 months) and four (4) months prior to renewal	73.47[a]	73.254[b]
	Description of equipment and method used	73.47[b]	73.254[c]

	Signed & dated by engineer making measurements	73.47[b]	73.254[c]
	EPM made through all circuits without compression or limiting	73.47[a]	73.254[b]
18.	AM Measurements	Required In Proof	Required Specifications
	Data and curves for frequency response for 50 to 7500 Hz at 25, 50 & 85% (& 100% modulation if obtainable)	73.47[a][1]	73.40[a][4]
	Data and curves for harmonic distortion for 25, 50 & 85% (&100% modulation if obtainable) at 50, 100, 400, 1000, 5000 & 7500 Hz	73.47[a][2]	73.40[a][3]
	% carrier amplitude regulation for 25, 50 & 85% (& 100% modulation if obtainable) at 400 Hz	73.47[a][3]	73.40[a][5]
	Hum & noise for 100% modulation at 400 Hz	73.47[a][4]	73.40[a][6]
	Spurious & harmonic radiation check	73.47[a][5]	73.40[a] [12],[13], & [14]
19.	FM Measurements		
	Information for frequency response for 50, 100, 400, 1000, 5000, 10,000 and 15,000 Hz at 25, 50 & 100% modulation	73.254[b] [1]	73.317[a] [2]
	Harmonic distortion for 50, 100, 400, 1000 & 5000 Hz at 25, 50 & 100% modulation, also harmonics at 100% modulation for frequencies of 10,000 & 15,000 up to 30,000 Hz	73.254[b] [2]	73.317[a] [3]
	FM noise in the band from 50 to 15,000 Hz below 100% modulation	73.254[b] [3]	73.317[a] [4]
	AM noise in the band from 50 to 15,000 Hz below 100% modulation	73.254[b] [4]	73.317[a] [5]
	Stereo parameters	None	73.322
20.	Directional Antenna System	AM	FM
	Field strength measurements made according to license	TSA	_
	Field strength meter available and working	TSA	_
	Base current, sample loop current, phase angle agree with license	TSA	_

	Antenna monitor installed and working	TSA	
	Field strength measured less than licensed maximum at monitoring points	TSA	_
	Sample loop meters have calibration chart or scales when used as remote antenna meters	73.57[f]	_
	Monitor point satisfactory location and adequately described on license	GEP	
	Fail-safe ckt. for reduced operator requirements	73.93[f][5]	_
	Antenna monitoring type-approved	73.69[a]	_
	Approved sampling system O.K. if required	73.68	_
21.	Stereo & SCA Operation		
	Stereo pilot checked monthly	_	73.297 [b]
	Stereo pilot injection 8 to 10%	_	73.322[b]
	Stereo pilot frequency within 2 Hz	_	73.322[b]
	Stereophonic subcarrier suppressed to less than 1% modulation of main carrier		73.322[e]
	SCA—10% modulation if stereo used		73.322[j]
	SCA—daily operating log	workshifts.	73.295[f]
	Time subcarrier generator on	_	73.295[f] [1]
	Time modulation applied to SCA	_	73.295[f] [2]
	Time modulation removed from SCA		73.295 [f] [3]
	Time subcarrier generator turned off	_	73.295[f] [4]
	SCA—program log		
	General description of programming	_	73.295[e]
	Time of programming change	_	73.295[e]
	SCA subcarrier tolerance of 500 Hz checked each calendar month (40 days max)	_	73.295[g]

22. Automatic Transmission Systems

Authorization to use ATS	73.140[c]	73.340[c]
ATS personnel licensee employees	73.146[a]	73.346[a]
ATS personnel can perform monitoring & duties	73.146[f]	73.346[f]
ATS personnel fully instructed on duties	73.146[g]	73.346[g]
Tower lights checks either manual or automatic	73.146[c] [3]	73.346[c] [3]
Only manual turn on used	73.140[e]	73.340[e]
ATS operator holds at least RP	73.140[c] [2]	73.340[c] [2]
ATS control functions		
Power adjust automatic	73.142[b] [2]	73.342[b] [2]
Modulation adjust automatic	73.142[b] [3]	73.342[b] [3]
Mode switching clock O.K. if needed	73.142[d]	_
Mode Switching completely automatic	73.142[d]	_
Modulation control for SCA if used	_	73.342[c]
ATS auxiliary/alternate trans. O.K. if used	73.142[g]	73.342[g]
Minimum modulation maintained	73.142[b] [3]	73.342[b] [3]
Provision for indirect power function if used	_	73.342[b] [1]
ATS test system functioning	73.142[i]	73.342[i]
ATS turn off and fail safe functions		
Over power uncorrected over 3 minutes	73.144[a] [1]	73.344[a] [1]
Over modulation uncorrected over 3 minutes	73.144[a] [2]	73.344[a] [2]
Clock for mode switching fails over 3 minutes	73.144[a] [3]	_
Loss of turn-on or turn-off control	73.144[a] [4]	73.344[a] [4]
Loss of alarm device functioning	73.144[a] [5]	73.344[a] [5]

	Loss of alarm sampling circuits	73.144[a] [6]	73.344[a] [6]
	ATS alarm functions		
	Loss of signal (carrier or program) 3 min.	73.146[c] [1]	73.346 [c] [1]
	Power below 90% authorized over 3 minutes	73.146[c] [2]	73.346[c] [2]
	Tower lighting failure if alarms used	73.146[c] [3]	73.346[c] [3]
	ATS monitoring and alarm points		
	On/off controls functioning	73.146[b] [1]	73.346[b] [1]
	Off-air SCA program monitor for SCA	<u></u>	73.346[b] [2]
	Off-air monitor	73.146[b] [2]	73.346[b] [2]
	Aural alarm signal functioning	73.146[b] [3]	73.346[b] [3]
	Point accessible & under licensee control	73.146[a]	73.346[a]
	Point controls protected from unauthorized	73.146[a]	73.346[a]
	EBS facilities provided as needed	73.146[f]	73.346[f]
	Licenses and ATS authorization posted	73.146[h]	73.346[h]
23.	Auxiliary Broadcast Stations		
	Remote Pickup Stations		
	Licensed power not exceeded	74.40	61
	Frequency tolerance	74.40	64
	License posted or attached to transmitter	74.40	67[a] or [b]
	Station log		
	Frequency check	74.40	35
	Entries required by Part 17	74.48	31[a][1][i]
	Station identification	74.4	32
	Remote control operation	74.4	34
	% modulation indicator	73.4	34[a][1]

On/off control of RF stage	74.434[a][2]
Protected against unauthorized operation	74.434[a][3]
Operator under control of licensee	74.468[a]
Aural Broadcast STL and Intercity Relay Stations	
+5% licensed power not exceeded	74.534
Directional antenna required	74.536
Frequency tolerance	74.561
Station license posted	74.564
Station log	
Hours of operation	74.581[a][1]
Program transmitted	74.581[a][2]
Frequency check	74.581[a][3]
Entries required by Part 17	74.581[b]
Station identification	74.582
Remote control operation	74.533[a]
Notification to Commission 10 days prior to operation	74.533[a]
Operated under control of licensee	74.533[a][1]
RF or control activated device showing Tx is radiating	74.533[a][2]
On/off control of RF stage	74.533[a][3]
Protected against unauthorized operation	74.533[a][4]
Unattended operation	74.533[b]
Notification to Commission 10 days prior to operation	74.533[b]
Circuits to deactivate Tx if used as relay	74.533[b][1]
Protected against improper operation	74.533[b][2]
Protected against unauthorized operation	74.533[b][3]
Observations made at receiving end every 24 hours	74.533[b][4]
Repairs by qualified person	74.533[b][5]