

overall technical performance of the set also being quite good. I would however advise caution against using a wideband amplified base or mobile aerial, or using an external aerial in the proximity of strong transmissions such as in large towns or city areas, as blocking problems could sometimes occur. We understand, incidentally, that there will soon be a base

station version of the Jupiter II available, having a 12V DC supply capability and being fitted with a switchable attenuator to reduce any blocking problems. We're looking forward to trying the set out!

Our thanks go to Waters and Stanton Electronics for the kind loan of the review scanner and accessories.

LABORATORY RESULTS:

Sensitivity: Input level required to give 12dB SINAD

29MHz 0.22uV pd (FM)
51MHz 0.24 uV pd (FM)
80MHz 0.19uV pd (FM)
120MHz 0.42uV pd (AM)
145MHz 0.26uV pd (FM)
170MHz 0.23uV pd (FM)
250MHz 0.46uV pd (AM)
435MHz 0.35uV pd (FM)
934MHz 0.37uV pd (FM)
1296MHz 0.44uV pd (FM)

Blocking: Increase over 12dB SINAD level of interfering signal modulated with 400Hz at 1.5kHz deviation to cause 0dB degradation in 12dB SINAD on channel 145MHz signal

100kHz 17dB
1MHz 23dB

Intermodulation Rejection: Increase over 12dB SINAD level of two interfering signals spaced by 50kHz giving identical 12 dB SINAD 145MHz on channel 3rd order intermodulation products

43dB

Maximum Audio Output: Measured at 1kHz on the onset of clipping, 8ohm load:

121mW RM5

Image Rejection: Increase in level of signal at first IF image frequency over level of on-channel signal to give identical 12dB SINAD signals:

145MHz 61dB
934MHz 0dB

Current Consumption:

Power Saver Mode: 36mA av
Standby Squelch
Circuit: 118mA
Receive, Mid Volume: 163mA
Receive, Max Volume: 184mA

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