

BUYER'S GUIDE TO AMATEUR RADIO

closest competition being the Ten-Tec Corsair which is now a lot more expensive. It makes an interesting comparison with the latter - the JST100 has almost no spurious problems but has a synthesiser, whereas the Ten-Tec has an analogue vfo with even better reciprocal mixing and selectivity performances, but with many spurious problems and fewer facilities. This is one of the few rigs about which I find quite difficult to reach a firm conclusion. I feel that you should definitely consider it especially as it is Amtor compatible and so easy to use.

LABORATORY RECEIVER RESULTS

Sensitivity: ssb for 12dB sinad

29.1MHz	-123dBm
24.9MHz	-124dBm
18.1MHz	-124dBm
10.15MHz	-123dBm
3.7MHz	-124dBm
1.85MHz	-120dBm

Selectivity: ssb bandwidth for given level drop

3dB	1.8kHz;	60dB	3.2kHz
6dB	2.2kHz		

Reciprocal mixing, ssb

+100kHz spacing	105dB
+55kHz	103dB
+20kHz	100dB

S meter

S1	-115.5dBm
S9	-79.5dBm
S9+20	-70dBm
S9+40	-53.5dBm
S9+60	-30dBm

SSB product detector distortion: 1.5%

Maximum audio output power: 8ohms 2.5W

Calculated intercept point: S9 method

+20/+40kHz spacing	-0.5dBm
--------------------	---------

Size: 348w x 145h x 347d (mm). Weight: 10kg

LABORATORY TRANSMITTER RESULTS

Maximum output power, cw:

28.5MHz	105W
21.2MHz	107W
14.3MHz	110W
10.1MHz	100W
3.7MHz	99W
1.85MHz	85W

Harmonics and spuri: 2nd harmonic of 14MHz at -42dB

3rd harmonic of 10MHz at -50dB

2nd harmonic of 10MHz at -52dB

all others below -60dB all ref full output.