

16 SPECIFICATIONS

◇ Receiver

• Receive system:	Direct sampling superheterodyne	
• Intermediate frequency:	36 kHz	
• Sensitivity (Filter: SOFT):		
SSB/CW (BW=2.4 kHz, 10 dB S/N)		
1.8 ~ 29.999999 MHz	Less than -123 dBm (0.16 μ V)	(P.AMP1 ON)
50 MHz band	Less than -125 dBm (0.13 μ V)	(P.AMP2 ON)
70 MHz band* ²	Less than -123 dBm (0.16 μ V)	(P.AMP2 ON)
	* ² Depending on the transceiver version.	
AM (BW=6 kHz, 10 dB S/N)		
0.5 ~ 1.8 MHz	Less than -85 dBm (12.6 μ V)	(P.AMP1 ON)
1.8 ~ 29.999999 MHz	Less than -101 dBm (2.0 μ V)	(P.AMP1 ON)
50 MHz and 70 MHz bands	Less than -107 dBm (1.0 μ V)	(P.AMP2 ON)
FM (BW=15 kHz, 12 dB SINAD)		
28.0 ~ 29.7 MHz	Less than -113 dBm (0.5 μ V)	(P.AMP1 ON)
50 MHz and 70 MHz bands	Less than -119 dBm (0.25 μ V)	(P.AMP2 ON)
• Squelch sensitivity (threshold):		
SSB	Less than -92 dBm (5.6 μ V)	
FM	Less than -117 dBm (0.3 μ V)	
	(HF band: P.AMP1 ON, 50 MHz band: P.AMP2 ON)	
• Selectivity (Filter: SHARP):		
SSB (BW=2.4 kHz)	More than 2.4 kHz/-6 dB	
	Less than 3.4 kHz/-40 dB	
CW (BW=500 Hz)	More than 500 Hz/-6 dB	
	Less than 700 Hz/-40 dB	
RTTY (BW=500 Hz)	More than 500 Hz/-6 dB	
	Less than 800 Hz/-40 dB	
AM (BW=6 kHz)	More than 6.0 kHz/-6 dB	
	Less than 10 kHz/-40 dB	
FM (BW=15 kHz)	More than 12.0 kHz/-6 dB	
	Less than 22 kHz/-40 dB	
• Spurious and image rejection:	More than 70 dB (except for ADC aliasing)	
• Audio output power:	More than 2.5 W (8 Ω load, 1 kHz, 10% distortion)	
• AF output impedance:	8 Ω	
• RIT variable range:	\pm 9.999 kHz	

◇ Antenna tuner

• Tunable impedance range:	16.7~150 Ω (unbalanced) (less than 3:1 VSWR)
• Tuning accuracy:	Less than 1.5:1 VSWR
• Tuning time (approximately):	2~3 seconds (average)
	15 seconds (maximum)

①All stated specifications are typical and subject to change without notice or obligation.