

# 14 SPECIFICATIONS

## ◇ Receiver (continued)

### • Sensitivity:

SSB/CW/FSK (BW: SSB/FSK=2.4 kHz, CW=500 Hz)			
	0.100000 ~ 1.799999 MHz	10 dB S/N	-6 dB $\mu$ (P.AMP ON)
	1.800000 ~ 29.999999 MHz	10 dB S/N	-14 dB $\mu$ (P.AMP ON)
	30.000000 ~ 1099.999999 MHz	10 dB S/N	-10 dB $\mu$ (P.AMP ON)
	1100.000000 ~ 1999.999999 MHz	10 dB S/N	-10 dB $\mu$ (P.AMP ON)
	2000.000000 ~ 3000.000000 MHz	10 dB S/N	-8 dB $\mu$ (P.AMP ON)
AM (BW=6 kHz)			
	0.100000 ~ 1.799999 MHz	10 dB S/N	16 dB $\mu$ (P.AMP ON)
	1.800000 ~ 29.999999 MHz	10 dB S/N	8 dB $\mu$ (P.AMP ON)
	30.000000 ~ 1099.999999 MHz	10 dB S/N	15 dB $\mu$ (P.AMP ON)
	1100.000000 ~ 1999.999999 MHz	10 dB S/N	15 dB $\mu$ (P.AMP ON)
	2000.000000 ~ 3000.000000 MHz	10 dB S/N	15 dB $\mu$ (P.AMP ON)
FM (BW=15 kHz)			
	28.000000 ~ 29.999999 MHz	12 dB SINAD	-6 dB $\mu$ (P.AMP ON)
	30.000000 ~ 1099.999999 MHz	12 dB SINAD	-6 dB $\mu$ (P.AMP ON)
	1100.000000 ~ 1999.999999 MHz	12 dB SINAD	-6 dB $\mu$ (P.AMP ON)
	2000.000000 ~ 3000.000000 MHz	12 dB SINAD	-4 dB $\mu$ (P.AMP ON)
WFM (BW=180 kHz)			
	30.000000 ~ 1099.999999 MHz	12 dB SINAD	3 dB $\mu$ (P.AMP ON)
	1100.000000 ~ 1999.999999 MHz	12 dB SINAD	3 dB $\mu$ (P.AMP ON)
	2000.000000 ~ 3000.000000 MHz	12 dB SINAD	5 dB $\mu$ (P.AMP ON)
DIGITAL (D-STAR, NXDN, dPMR and DCR)			
	28.000000 ~ 1099.999999 MHz	1% BER	-2 dB $\mu$ (P.AMP ON)
	1100.000000 ~ 1999.999999 MHz	1% BER	-2 dB $\mu$ (P.AMP ON)
	2000.000000 ~ 3000.000000 MHz	1% BER	0 dB $\mu$ (P.AMP ON)
DIGITAL (P25)			
	28.000000 ~ 1099.999999 MHz	5% BER	-5 dB $\mu$ (P.AMP ON)
	1100.000000 ~ 1999.999999 MHz	5% BER	-5 dB $\mu$ (P.AMP ON)
	2000.000000 ~ 3000.000000 MHz	5% BER	-3 dB $\mu$ (P.AMP ON)

### • Selectivity:

SSB/FSK (BW=2.4 kHz)	More than 2.4 kHz/-3 dB Less than 3.6 kHz/-60 dB
CW (BW=500 Hz)	More than 500 Hz/-3 dB Less than 700 Hz/-60 dB
AM (BW=6 kHz)	More than 6.0 kHz/-3 dB Less than 15.0 kHz/-60 dB
FM (BW=15 kHz)	More than 12.0 kHz/-6 dB Less than 25.0 kHz/-60 dB
WFM	More than 180 kHz/-6 dB

### • Spurious and image rejection:

0.100000 ~ 29.999999 MHz	More than 70 dB
30.000000 ~ 1099.999999 MHz	More than 50 dB
1100.000000 ~ 2499.999999 MHz	More than 40 dB*
2500.000000 ~ 3000.000000 MHz	More than 40 dB*

\*In the 1100 MHz and above frequencies, the 1st IF through is more than 35 dB.

\*In the 2000 MHz and above frequencies, the 1st IF image rejection is more than 30 dB.

### • Audio output power:

More than 2 W (8  $\Omega$  load, 10% distortion)

### • AF output impedance:

8  $\Omega$

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