

16 SPECIFICATIONS

◇ General

- Frequency coverage (unit: MHz):

Receiver	0.030000~74.800000* ¹
Transmitter	1.800000~ 1.999999* ²
	3.500000~ 3.999999* ²
	5.255000~ 5.405000* ²
	7.000000~ 7.300000* ²
	10.100000~10.150000* ²
	14.000000~14.350000* ²
	18.068000~18.168000* ²
	21.000000~21.450000* ²
	24.890000~24.990000* ²
	28.000000~29.700000* ²
	50.000000~54.000000* ²
	70.000000~70.500000* ²

*¹ Some frequency ranges are not guaranteed.

*² Depending on the transceiver version.

- Operating modes: USB/LSB (J3E), CW (A1A), RTTY (F1B), AM (A3E) and FM (F3E)
- Number of memory channels: 101 (including 2 scan edges)
- Antenna impedance: 50 Ω
- Power supply requirement: 13.8 V DC (±15%)
- Operating temperature range: -10°C to +60°C, +14°F to +140°F
- Frequency stability: Less than ±0.5 ppm (-10°C to +60°C, +14°F to +140°F)
- Frequency resolution: 1 Hz (minimum)
- Power consumption:

Receive	Standby	0.9 A
	Maximum audio	1.25 A
Transmit	Maximum power	21.0 A
- Dimensions (projections not included): 240 (W)×94 (H)×238 (D) mm, 9.4 (W)×3.7 (H)×9.4 (D) in
- Weight (approximately): 4.2 kg, 9.3 lb

◇ Transmitter

- Transmit output power:

HF and 50 MHz bands	
SSB/CW/RTTY/FM	2~100 W
AM	1~25 W
70 MHz band* ²	
SSB/CW/RTTY/FM	2~50 W
AM	1~12.5 W
- Modulation system:

SSB	P.S.N. modulation
AM	Low power modulation
FM	Reactance modulation
- Spurious emission:

Harmonics	Less than -50 dB (1.8~28 MHz)
	Less than -63 dB (50 MHz band)
	Less than -60 dB (70 MHz band)
Out-of-band emission	Less than -40 dB (1.8~28 MHz)
	Less than -60 dB (50 MHz band)
	Less than -60 dB (70 MHz band)
- Carrier suppression: More than 50 dB
- Unwanted sideband suppression: More than 50 dB
- Microphone impedance: 600 Ω

*² Depending on the transceiver version.