



Technical indexes

Overall performance features

Frequency range	118~137MHz (108.000~156 MHz optional)
Frequency accuracy	1ppm or better
Channel spacing	25 kHz / 8.33 kHz
Number of preset channels	99
Modulation type	Amplitude modulation (A3E)
Operation mode	Half-duplex
Antenna interface	N type socket 50 Ω ;
Power supply mode	AC 220 V $\pm$ 22 V, 50 Hz $\pm$ 5 Hz; DC 24 V $\pm$ 2.4 V
Operating temperature	-20 $^{\circ}$ C $\sim$ +55 $^{\circ}$ C
Storage temperature	-30 $^{\circ}$ C $\sim$ +70 $^{\circ}$ C
Relative humidity	5% to 95%, +40 $^{\circ}$ C $\pm$ 2 $^{\circ}$ C, no condensation
Dimensions	222 mm $\times$ 132 mm $\times$ 468 mm(handle included)
Weight	$\leq$ 11kg

Transmitter indexes

Carrier power	50 W (5 W-50 W adjustable)
Modulation depth	Adjustable: 0 to 85 %(does not exceed 95%)
AF response	350Hz to 2500Hz(8.33kHz) 300Hz to 3400Hz(25kHz) $\leq$ 3 dB
Modulation distortion	$\leq$ 5%
Harmonic suppression	$<$ -93dBc
Parasitic suppression	$<$ -93dBc
Adjacent channel power	$\leq$ -60 dB
Carrier noise level	$\leq$ -45 dB
Transmitter RF output protection	Operation with short/open circuit without any damage, TX shut down when VSWR $>$ 4
Protective function	Antenna open/short circuit protection, high temperature protection etc.