

Technical indicators

Total performance characteristic

Working frequency	118 MHz~136.975 MHz
Accuracy of frequency	$\pm 1 \times 10^{-6}$
Channel spacing	25 kHz / 8.33 kHz
Preset channel number	99
Modulation type	AM (A3E)
Working mode	Half duplex
The antenna interface	Receiving/sending interface, 50 Ω , N type hole holder; Antenna receiver port, 50 Ω , BNC hole holder
power supply mode	AC: 80 V~264 V, 45 Hz~63 Hz; DC: 24 V $\pm$ 2.4 V
Working temperature	-20 $^{\circ}\text{C}$ ~ +55 $^{\circ}\text{C}$
Storage temperature	-40 $^{\circ}\text{C}$ ~ +70 $^{\circ}\text{C}$
Relative humidity	95%, +40 $^{\circ}\text{C}$ $\pm$ 2 $^{\circ}\text{C}$, No condensation
The size	222 mm $\times$ 132 mm $\times$ 468 mm (Contains the handle)
weight	11.5 kg

Index of transmitter

Carrier power	50 W (5 W~50 W adjustable)
modulation	30%~90% MAX 99%
Audio response	-4~+2 dB
Modulation distortion	$\leq 5\%$
Harmonic suppression	≥ 80 dBc
Parasitic inhibition	≥ 90 dBc
Adjacent power	≤ -60 dBc
Carrier noise level	≤ -45 dB
Protection function	Antenna open/short circuit protection, high temperature protection, etc

Receiver index

sensitivity	≤ -107 dBm
selective	6 dB: $\geq \pm 8.5$ kHz / 60 dB: $\leq \pm 18$ kHz
noise	Electronic noise, the adjustment range is Sinnaby8 dB~15 dB
Image reject	≥ 100 dB
Intermediate frequency suppression	≥ 90 dB
whitsunday	≥ 90 dB
Hand in the inhibition of	≥ 90 dB
Third-order intermodulation distortion	≥ 70 dB
Spurious response suppression	≥ 80 dB
Audio response	-4~+2 dB
Audio distortion	$\leq 5\%$
Audio output	Line output: rated 0 $\pm$ 1.5 dBm, -16 dBm ~ 0 dBm, adjustable Built-in speaker: 8 Ω , ≥ 500 mW, front panel adjustment