



System Specification:

Frequency range	UHF 640-690MHz
Modulation method	wideband FM
Adjustable range	50MHz
Number of channels	4x50
Channel spacing	250KHz
Frequency stability	within $\pm 0.005\%$
Dynamic range	100dB
Maximum frequency deviation	$\pm 45\text{KHz}$
Audio response	80Hz-18KHz ($\pm 3\text{dB}$)
Comprehensive signal-to-noise ratio	$> 105\text{dB}$
Comprehensive distortion	$\leq 0.5\%$
Working temperature	$-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$

Receiver Specification:

Receiver mode	secondary frequency conversion superheterodyne
IF frequency	first IF: 110MHz, second IF: 10.7MHz
Wireless interface	BNC/50
Sensitivity	12dB μ V (80dBS/N)
Sensitivity range	12-32dB μ V
Spurious suppression	$\geq 75\text{dB}$
Maximum output level	+10dBV

Transmitter Specification:

Output power	high frequency 30Mw, low frequency 3Mw
Spurious suppression	-60dB
Power supply	two AA DC 1.5V batteries Use time: more than 10 hours at 30mW, more than 15 hours at 3mW