



Input audio	Local: Unbalanced with 150Ω impedance and -35dBm to +10dBm power with capability of microphone bias Line: Balanced with 600Ω impedance and -15dBm to +10dBm dynamic range
Modulation factor	AM mode: at least 80% FM mode: ±5KHz frequency deviation in 25KHz channel spacing ±2.5KHz frequency deviation in 12.5KHz channel spacing
Modulation distortion	maximum 5% in environmental test condition: maximum up to 10%
Audio frequency response	300 to 3400 Hz
Side tone	in the AM mode: audio sampling from the antenna RF output signal in the FM and ECCM modes: control signal sampling from the antenna RF output signal
Harmonic rejection	better than -55dBc
Spurious signals	better than -80dBc
Output power stability	up to VSWR<2.5 against mismatch
Receiving specifications	
Receiving sensitivity	AM: -103dBm for more than 10dB SINAD in detecting the 1KHz signal modulated with 30% modulation factor FM: -108dBm for more than 10 dB SINAD in detecting the 1KHz signal modulated with 2.5KHz deviation ECCM: -90dBm for maximum 4×10 ⁻² bit rate error
Squelch sensitivity	setting the squelch ON/OFF point is accomplished in the range of 5 to 25dB output SINAD
Image frequency rejection	-80dB
IF frequency rejection	-80dB
Selectivity	WIDEBAND: spurious signal rejection for ±25KHz frequency offset is at least 60dB NARROWBAND: spurious signal rejection for ±12.5KHz frequency offset is at least 40dB
Output audio signal	Audio output of the system can be output of the main receiver and or mix of the main and guard receivers' outputs Loudspeaker's output: at least 2W for 6Ω loudspeaker Sound recorder's output: 700mVrms amplitude on 600Ω load Differential output: balanced 700mVrms amplitude on 600Ω load

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