

ADJUSTMENT

Common Section

Item	Condition	Measurement		Adjustment		Specifications /Remarks
		Test equipment	Terminal	Parts	Method	
1. Setting	Power supply voltage DC Power supply terminal : 13.2V					

Transmitter section

Item	Condition	Measurement		Adjustment		Specifications /Remarks
		Test equipment	Terminal	Parts	Method	
1. Transmit Frequency	TEST CH: center CH Mode: F1 PTT: ON	Frequency counter	ANT	KEYS:RFG or EMG	Adjust to the frequency F1: 27.2050MHz	Within ±20Hz
2. AM High power Adjust	TEST CH: Center Low High Battery terminal: 13.2V MIC: short circuit PTT: ON	Power meter Ammeter		W5		4.0W or less 13.2V: 1.1A or less
3. AM Low power Adjust	TEST CH: Center Low High Battery terminal: 13.2V MIC: short circuit PTT: ON	Power meter Ammeter		W4		0.9W or less 13.2V: 0.6A or less
4. AM High power deviation Adjust	TEST CH: Center Low High Battery terminal: 13.2V AG: 1kHz/100mV LPF: 15kHz PTT: ON	Power meter Deviation meter Oscilloscope AG AF VTVM	ANT SP/MIC connector	W3	90%	10.5W or more 13.2V: 1.5A or less
5. AM Low power deviation Adjust	TEST CH: Center Low High Battery terminal: 13.2V AG: 1kHz/100mV LPF: 15kHz PTT: ON					2W or more 13.2V: 0.8A or less
6. MIC Sensitivity	TEST CH: center AG: 1kHz/12-16mV Deviation: 0.6kHz LPF: 15kHz PTT: ON				Check	AM: 75%~85%

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AM Receiver Section

Item	Condition	Measurement		Adjustment		Specifications
		Test equipment	Terminal	Parts	Method	/Remarks
1. AM Sensitivity check	TEST CH: Center,Low,High SSG output: -107dBm(1.0μV) Mod: 1KHz/30% Mode: AM	SSG DVM Oscilloscope AG	ANT		Check	10dB SINAD or more
2. Squelch (Threshold) Adjust	TEST CH: Center,Low,High SSG output: -110dBm(0.707μV) Mod: 1KHz/30% Mode: AM	AF VTVM				Max. Shallow SQ
3. Squelch (Tight) Adjust	TEST CH: Center,Low,High SSG output: -120dBm(0.224μV) Mod: 1KHz/30% Mode: AM					Max. Shallow SQ
4. Squelch (Threshold) Adjust	TEST CH: Center,Low,High SSG output: -40dBm(2.24mV) Mod: 1KHz/30% Mode: AM					Max. Deep SQ
5. Squelch (Tight) Adjust	TEST CH: Center,Low,High SSG output: -50dBm(0.707mV) Mod: 1KHz/30% Mode: AM					Max. Deep SQ
6.S meter Level	1) TEST CH: center	SSG	ANT			
	2) Full digit SSG output: -35dBm(3.98mV)			Adjust to Full digit		
	3) one Digit SSG output: -110dBm(0.707μV)			Adjust to one digit		

WX Receiver Section

Item	Condition	Measurement		Adjustment		Specifications /Remarks
		Test equipment	Terminal	Parts	Method	
1. Sensitivity	1) CH1 : 162.550MHz 2) SSG output: : -113dBm (0.501 μ V) Mod : 1kHz Dev : $\pm$ 3.0kHz	SSG Oscilloscope AF V.M Distortion meter	ANT EXT. SP		Check	SINAD: 12dB or higher