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					
2. VCO lock voltage RX	1) CH: high	Power meter DVM		TP6	less than 3.8V	±0.2V
	2) CH: Low				1.0V or more	±0.2V
3. VCO lock voltage TX	3) CH: high PTT:ON				less than 3.8V	±0.2V
	4) CH: Low PTT:ON				1.0V or more	±0.2V

Transmitter section

Item	Condition	Measurement		Adjustment		Specifications /Remarks
		Test equipment	Terminal	Parts	Method	
1. Transmit frequency	TEST CH: center PTT: ON	Frequency counter	ANT		Adjust to the frequency	Within ±100Hz
2. power Adjust	TEST CH: Center Low High Battery terminal: 13.2V Mode: FM PTT: ON	Power meter Ammeter		W3		Hi: 4.0W or less 1.3A or less
				W4		Low: 1.0W or less 0.8A or less
3. AM deviation Adjust	TEST CH: Center Low High AG: 1kHz/30mV LPF: 15kHz Mode: AM PTT: ON	Power meter Deviation meter Oscilloscope AG AF VTVM	ANT SP/MIC connector	W2	80%	Hi: 9.5W or more 1.8A or less
				W6	80%	Low: 2.5W ±0.5W 1.0A or less
4. FM deviation Adjust	TEST CH: Center Low High AG: 1kHz/30mV LPF: 15kHz Mode: FM PTT: ON			W5	±1.8kHz (According to the lager +, –)	±200Hz
5. MIC Sensitivity	TEST CH: center AG: 1kHz/1.2kHz LPF: 15kHz PTT: ON				Check	3mV

ADJUSTMENT

Receiver Section

Item	Condition	Measurement		Adjustment		Specifications /Remarks
		Test equipment	Terminal	Parts	Method	
1. AM Sensitivity check	TEST CH: Center Low High SSG output: -113dBm(0.5μV) Mod: 1KHz/30% Volume : Maximum Mode: AM	SSG DVM Oscilloscope AG AF VTVM	ANT	T4 T6	Check	10dB SINAD or more
2. FM Sensitivity check	TEST CH: Center Low High SSG output: -119dBm(0.25μV) Mod: 1KHz/1.2KHz, LPF: 15kHz Mode: FM				Check	12dB SINAD or more
3. Squelch (Threshold) Adjust	EST CH: Center Low High SSG output: -110dBm(0.7μV) Mod: 1KHz/30% SQL VR: Maximum Mode: AM or FM					Max. Shallow SQ
4. Squelch (Tight) Adjust	EST CH: Center Low High SSG output: -120dBm(0.224μV) Mod: 1KHz/30% Mode: AM or FM					Max. Shallow SQ
3. Squelch (Threshold) Adjust	EST CH: Center Low High SSG output: -43dBm(1.58mV) Mod: 1KHz/30% Mode: AM or FM					Max. Deep SQ
4. Squelch (Tight) Adjust	EST CH: Center Low High SSG output: -52dBm(0.562mV) Mod: 1KHz/30% Mode: AM or FM					Max. Deep SQ