

Common Section

Item	Condition	Measurement		Adjustment		Specifications/ Remark
		Test equipment	Terminal	Parts	Method	
1.Setting	1) BATT terminal vorage:13.8V 2) SSG standard modulation [Wide] MOD:1kHz,DEV:3kHz [Narrow] MOD:1kHz,DEV:1.5kHz					
2.VCO lock voltage RX	1) CH:High	Power meter DVM	ANT CV	C122	3.5V	±0.2V
	2) CH:Low				Check	0.6 or more
3.VCO lock voltage TX	3) CH:High PTT:ON			C39	3.5V	±0.2V
	4) CH:Low PTT:ON				Check	0.6V or more

Transmitter Section

Item	Condition	Measurement		Adjustment		Specifications/ Remark
		Test equipment	Terminal	Parts	Method	
1.Frequency Adjust	1) CH:High 2) PTT:ON	Frequency counter	ANT	Programming Software:KSP8100V1.17	173.9875MHz	±100Hz
2.High power Adjust	TEST CH: Low Low' Center High' High (5 points) BATT terminal voltage:13.6V PTT:ON	Power meter Ammeter				25W±2W 8A or less
3.Mid Power	TEST CH: Low Low' Center High' High (5 points) BATT terminal voltage:13.6V PTT:ON					10W±1W 5A or less
4.Low power Adjust	TEST CH: Low Low' Center High' High (5 points) BATT terminal voltage:13.6V PTT:ON					5W±1W 3A or less
5.Max deviation Adjust [Wide]	TEST CH: Center AG:1kHz/100mV Deviation meter filter LPT:15kHz HPF:OFF PTT:ON	Power meter Deviation meter Oscilloscope AG AF VTVM	ANT MIC connector	VR2	4.0kHz (According to the lager +,-)	±200Hz

[Narrow]	TEST CH: Center PTT:ON				2.0kHz (According to the lager +,-)	±200Hz
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Item	Condition	Measurement		Adjustment		Specifications/ Remark		
		Test equipment	Terminal	Parts	Method			
6.DCS Balance Adjust [Wide]	TEST CH: Low Low' Center High' High (5 points) LPF:300Hz HPF:OFF PTT:ON	Power meter Deviation meter Oscilloscope AG AF VTVM	ANT	Programming Software:KSP8100V1.17	Make the demodulation wave into square waves			
[Narrow]	TEST CH: Low Low' Center High' High (5 points) LPF:300Hz HPF:OFF PTT:ON							
7.DCS Deviation Adjust [Wide]	TEST CH: Low Low' Center High' High (5 points) LPF:300Hz HPF:OFF PTT:ON						0.7kHz	±100Hz
[Narrow]	TEST CH: Center PTT:ON						0.3kHz	±100Hz
8.QT Deviation Adjust [Wide]	TEST CH: Low Low' Center High' High (5 points) LPF:300Hz HPF:OFF PTT:ON						0.7kHz	±100Hz
[Narrow]	TEST CH: Center PTT:ON			0.3kHz	±100Hz			