

1 PLL ADJUSTMENTS

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
LOCK VOLTAGE	1 · Operating channel : CH16 · Receiving	MAIN	Connect a digital multi-meter or oscilloscope to the check point CP1	2.6V	MAIN	L12
	2 · Operating channel : CH116 · Receiving			2.8V		Verify
REFERENCE FREQUENCY	1 · Operating channel : CH16 · Output power : Low · Connect an RF power meter or a 50· dummy load to the antenna connector. · Transmitting	Rear Panel	Loosely couple the frequency counter to the antenna connector.	156.800MHz	MAIN	C85

2 TRANSMITTER ADJUSTMENTS

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
OUTPUT POWER	1 · Operating channel : CH16 · Output power : High	Rear Panel	Connect an RF power meter to the antenna connector.	26W	MAIN	R79
	2 · Operating Channel : CH16 · Output power : Low			0.4- 1.2W		Verify
FREQUENCY DEVIATION	1 · Operating Channel : CH16 · Output power : Low · Connect an audio generator to J2(pin5) with an AC millivolt-meter and set as: Frequency : 1 KHz Level : 550 mV · Set an FM deviation meter as: HPF : OFF LPF : 20 KHz De-emphasis : OFF Detector : (P-P)/2 · Transmitting	Rear Panel	Connect an FM deviation meter to the antenna connector through an attenuator.	±.3KHz	MAIN	R106

3 RECEIVER ADJUSTMENTS

ADJUSTMENT	ADJUSTMENT CONDITION	MEASUREMENT		VALUE	ADJUSTMENT POINT	
		UNIT	LOCATION		UNIT	ADJUST
SENSITIVITY	1 · Operating Channel : CH16 · [SQUELCH]control : Max. counterclockwise · Connect an SSG to the antenna Connector and set as: Frequency : 156.800MHz Level : 10 uV* (-97 dBm) Modulation : 1 KHz Deviation : · 3.5 KHz · Receiving	MAIN	Connect a DC Volt- meter to the check point CP2	Maximum voltage	MAIN	C10 C20 C26