■ ADJUSTMENT

1. Transmitting Unit

Item	Adjustment Point	Adjustment Method	Spec
1. Frequency adjustment	CV301 (Main PCB)	Set the unit in the transmission mode at 144.03 MHz and adjust CV301. (Transceiver tester, counter)	144.03 MHz ±50 Hz
2. Modulation degree adjustment	VR303 (Main PCB)	Input a signal of 1 kHz/50 mV into the SP/MIC jack and adjust VR303 so that you obtain 4.7 kHz/Dev in the transmission mode.	4.7 kHz ±0.2 kHz
3. Subaudible tone	VR401 (RF Unit)	Set the subaudible tone to 114.8 Hz by DIP Switch and adjust VR401 so that you obtain 800 Hz/Dev.	800 Hz ±50 Hz
4. DTMF	VR601 (DTMF Unit)	Push [1] in the transmission mode and adjust VR601 so that you obtain 3 kHz/Dev.	3 kHz ±500 Hz

2. Receiving Unit

Item	Adjustment Point	Adjustment Method	Spec
1. VCO P/D voltage adjustment	L502 (VCO)	Adjust L502 so that P/D voltage is 0.5 V at 144.03 MHz. (DC voltmeter)	0.5 V±0.1 V
2. RF Amp	L405, 406, 407 & 408 (RF PCB)	1 kHz, 3.5 kHz/Dev, −6 dbμ (Meter direct-reading), 145.03 MHz, audio output 50 mW/8Ω (Transceiver tester) Adjust L405, 406, 407 & 408 so that SINAD sensitivity becomes maximum.	−6 dbμ Max.
3. Squelch Sensitivity	VR301 (Main PCB)	1 kHz, 3.5 kHz/Dev, −8 dbμ (Meter direct-reading), 145.03 MHz (Transceiver tester) Turn VR301 counterclockwise from closed conditions and set to a point where the squelch is open.	−8 dbμ ±1
4. S-meter adjustment	VR302 (Main PCB)	1 kHz, 3.5 kHz/Dev, +17 dbμ (Meter direct-reading) Turn VR302 so that [FULL]-bar begins to light.	