

## ■ ADJUSTMENT

Item	Adjustment point	Adjustment method
VCO P/D Voltage (RX)	TC2 (VCO Box)	Adjust TC2 so that the voltage of TP3 is 2.3V on the receiving mode at 144.00MHz.
VCO P/D Voltage (TX)	TC1 (VCO Box)	Adjust TC1 so that the voltage of TP3 is 2.0V on the transmission mode at 144.00MHz.
Frequency	TC2 (Main Board)	Set the unit in the transmission mode at 145.00MHz and adjust TC2.
Power output	VR6 (Hi)	On "HI" position, turn VR6 for 25W output at 145.00MHz.
	VR7 (Lo)	On "LO" position, turn VR7 for 5W output at 145.00MHz.
RF Power Meter	VR4	Turn VR4 so that three segments will light on "LO" position.
Deviation	VR3	Input a signal of 1KHz/25mV into the MIC jack and adjust VR3 so that you obtain 4.9KHz/Dev in the transmission mode.
MIC Gain	VR2	Input a signal of 1KHz/4mV into the MIC jack and adjust VR2 so that you obtain 4.0KHz/Dev in the transmission mode.
Discrimination Adjustment	L-10	Enter SSG input 1KHz/MOD $\pm$ 3.5KHz/Dev 60dB $\mu$ . Adjust to maximize the output wave.
Sensitivity	L1-5, L-6-8	Enter SSG input 1KHz MOD $\pm$ 3.5KHz/Dev. At 145.00MHz, adjust to maximize 12dB SINAD sensitivity.
Subaudible Tone Deviation	VR1 (Tone squelch board)	On the "ENC" mode at 146.00MHz, turn VR1 so that the deviation is 0.7KHz.
S-Meter (SG output: 3dB $\mu$ EMF)	VR1	Turn VR1 so that the I1 begins to light.
Squelch Sensitivity (SG output: -6dB $\mu$ EMF)	VR9	Turn the squelch control fully clockwise and turn VR9 so that the squelch will be closed at the SG output of -6dB $\mu$ .

### Upper Side View

