

■ ADJUSTMENT (VHF)

Item	Adjustment point(s)	Adjustment method
VCO Voltage	<input type="checkbox"/> TC1 TC2 (VCO BOX)	At 445.000 MHz (T) or 435.000 MHz (E), adjust TC1 so that the voltage of TP3 on <input type="checkbox"/> substrate is 1.8 V.
		At 445.000 MHz (T) or 435.000 MHz (E), pressing the PTT button, adjust TC2 so that the voltage of TP3 on <input type="checkbox"/> substrate is 3.8 V.
	<input type="checkbox"/> L4 (VCO BOX)	At 145.000 MHz, adjust TP2 so that the voltage of TP2 on <input type="checkbox"/> substrate is 4.0 V.
Basic Frequency	<input type="checkbox"/> TC1	Pressing PTT button, adjust TC1 so that f-counter indicates 444.950 ±0.1 kHz (T) or 434.950 ±0.1 kHz (E) MHz.
TX Power	<input type="checkbox"/> VR2 VR3	On "LO" position, pressing the PTT button, adjust VR2 and VR3 so that the power is maximum at 145.95 MHz (T) or 144.95 MHz (E).
Power Output	<input type="checkbox"/> VR2 (Hi)	On "Hi" position, turn VR2 for 46 W output at 145.95 MHz (T) or 144.95 MHz (E). Verify the lighting of the entire RF meter.
	<input type="checkbox"/> VR4 (Lo)	On "Lo" position, turn VR4 for 5 W output at 145.95 MHz (T) or 144.95 MHz (E).
RF meter	<input type="checkbox"/> VR1	On "Lo" position, adjust VR1, so that <input type="checkbox"/> on the RF meter lights up at 145.95 MHz (T) or 144.95 (E).
Deviation	<input type="checkbox"/> VR3	Enter the AF level of OdBm, then pressing the PTT button, adjust VR3 so that you obtain 4.6 kHz/Dev at 145.95 MHz (T) or 1449.95 MHz (E) and AF 1 KHz.
Protection Circuit	<input type="checkbox"/> VR3	Disconnect the antenna, then pressing the PTT button and adjust VR3 so that the current consumption is 4.5 A at 145.95 MHz (T) or 144.95 MHz (E).
Subaudible Tone Deviation (DR-570T)		Pressing the tone button and the PTT button at 145.95 MHz, verify 0.5~1 kHz/Dev at tone frequency of 88.5 Hz.
1750 Hz Tone Deviation (DR-570E)		Connect Microphone (EHM-34A or 33A), then pressing the tone button, verify that the tone frequency is 1750 Hz and the deviation is 3.5 kHz ±0.5 kHz.
Discrimination	<input type="checkbox"/> L7, 8, 9	At 146.03 MHz (T) or 145.03 (E) and 60 dBμ input, adjust L7, 8, 9, so that the distortion is minimum at 50 m W.
Sensitivity	<input type="checkbox"/> L2, 3, 4, 5, 6	Adjust L2, 3, 4, 5, 6 so that 12 dB SINAD sensitivity is the highest at 146.03 MHz (T) or 145.03 MHz (E).
Squelch Sensitivity	<input type="checkbox"/> VR1	At 146.03 MHz (T) or 145.03 MHz (E), turn the main squelch knob to the minimum and cut SG output, then adjust VR1 so that the noise is maximum.

■ ADJUSTMENT (UHF)

Item	Adjustment point(s)	Adjustment method
VCO Voltage	<input type="checkbox"/> TC1 <input type="checkbox"/> TC2 (VCO BOX)	At 445.000 MHz (T) or 435.000 MHz (E), adjust TC1 so that the voltage of TP3 on <input type="checkbox"/> substrate is 1.8 V.
		At 445.000 MHz (T) or 435.000 MHz (E), pressing the PTT button, adjust TC2 so that the voltage of TP3 on <input type="checkbox"/> substrate is 3.8 V.
	<input type="checkbox"/> L4 (VCO BOX)	At 145.000 MHz, adjust TP2 so that the voltage of TP2 on <input type="checkbox"/> substrate is 4.0 V.
TX Power	<input type="checkbox"/> VR5	On "Lo" position, pressing the PTT button, adjust VR5 so that the power is maximum at 444.95 MHz (T) or 434.95 MHz (E).
Power Output	<input type="checkbox"/> VR5 (Hi)	On "Hi" position, turn VR5 for 35 W output at 444.95 MHz (T) or 36 W output at 434.95 MHz (E). Verify the lighting of the entire RF meter.
	<input type="checkbox"/> VR7 (Lo)	On "Lo" position, turn VR7 for 5 W output at 444.95 MHz (T) or 434.95 MHz (E).
RF meter	<input type="checkbox"/> VR6	On "Lo" position, adjust VR1 so that <input type="checkbox"/> on the RF meter lights up at 444.95 MHz (T) or 434.95 MHz (E).
Deviation	<input type="checkbox"/> VR3	Enter the AF level of QdBm, then pressing the PTT button, adjust VR3 so that you obtain 4.6 KHz/Dev at 444.95 MHz (T) or 434.95 MHz (E) and AF 1 kHz.
Subaudible Tone Deviation (DR-570T)		Pressing the tone button and the PTT button at 444.95 MHz, verify 0.5~1 kHz/Dev at tone frequency of 88.5 Hz.
1750 Hz Tone Deviation (DR-570E)		Connect Microphone (EHM-34A or 33A), then pressing the tone button, verify that the tone frequency is 1750 Hz and the deviation is 3.5 (± 0.1) kHz.
Helical Filter	<input type="checkbox"/> TC1, 2 <input type="checkbox"/> L3, 4	Connect a tracking generator to the antenna and a spectrum analyser to TP1, then adjust TC1, 2 and L3, 4 so that the sensitivity is at its peak between 440 and 450 MHz at maximum gain. (570 E: 430~440 MHz)
Discrimination	<input type="checkbox"/> L9, 11	At 445.03 MHz (T) or 435.03 MHz (E) and 60 dB μ input, adjust L9, 11 so that the distortion is minimum at 50m W.
Sensitivity	<input type="checkbox"/> L8, TC3	Adjust L8 and TC3 so that 12 dB SINAD sensitivity is the highest at 445.03 MHz (T) or 435.03 MHz (E).
Squelch	<input type="checkbox"/> VR1	1) At 146.03 MHz (T) or 145.03 MHz (E) of the main band, cut the SG output power and adjust the main squelch knob so that the noise is intermittent. 2) At 445.03 MHz (T) or 435.03 MHz (E) of the main band, cut the SG output power and adjust VR1 so that the noise is intermittent.
S-meter	<input type="checkbox"/> VR2	At 445.03 MHz (T) or 435.03 MHz (E) and -3 dB μ [EMF], adjust VR2 so that <input type="checkbox"/> in the S-meter begins to light.