QP-650 Adjustment Description

- The radio can be adjusted by manual adjustment. Manual adjustment procedure is as follow.

  Instrument:

  Radio Communication Test Set 1 set
  3A/10V Power Supply 1 set
  Digital Voltmeter 1 set
  3A Ammeter 1 set

- Adjustment:

  1. Initializing:

  It's necessary to initialize the radio before alignment because there is no needed information in EEPROM when the radio is manufactured.

  2. Adjustment:

  Some items can be adjusted in conventional communication mode and the others in manual adjust mode. Turn on the power, the radio enters conventional communication mode. If manual adjust mode is enabled, turn on the power while holding down PTT and MONI simultaneously, the radio enters manual adjust mode after 2 seconds.

Item	Condition	Measurement		Adjustment		Specification /Remarks
		Test equipment	Terminal	Parts	Method	
1.Transmit frequency	Turn to CH1 in manual mode and press PTT.	Radio Communication Test Set	ANT	VR1	Adjust it to center frequency	Error ≤±250Hz
2. low power.	Turn to CH1 in manual adjust mode. (low frequency)	Radio Communication Test Set	ANT		PTT key (increase) SK1 key (decrease)	Adjust power to:1W±0.2W
3. low power	Turn to CH2 in manual adjust mode. (mid1 frequency)	Radio Communication Test Set	ANT		PTT key (increase) SK1 key (decrease)	Adjust power to: 1W±0.2W
4. low power	Turn to CH3 in	Radio Communication Test Set	ANT		PTT key	Adjust power

	manual adjust mode. (mid2 frequency)				(increase) SK1 key (decrease)	to: 1W±0.2W
5. low power	Turn to CH4 in manual adjust mode.(mid3 frequency)	Radio Communication Test Set	ANT		PTT key (increase) SK1 key (decrease)	Adjust power to: 1W±0.2W
6..low power	Turn to CH51 in manual adjust mode.(high frequency)	Radio Communication Test Set	ANT		PTT key (increase) SK1 key (decrease)	Adjust power to:1W±0.2W
7. High p0wer	Turn to CH6-CH10 independently in manual adjust most. (5 point frequency)	Radio Communication Test Set	ANT		PTT key (increase) SK1 key (decrease)	Adjust power to: 5.0W±0.2W