T65A Alignment Procedure

2014. 08. 27.

1. VCO Alignment ; **Fixed.**

2. Transmitter Frequency Alignment

1) Set the unit at channel 1.(462.5625MHz) Press the PTT button so the unit will be in transmit mode.

2)Adjust CT1 trimmer until Fc +/- 200Hz.

3. Transmitter Output Power

1) Set the power supply at 3.6Vdc. Set the unit at GMRS ch 1.(462.5625MHz)

2) Set the unit on low power. Press the PTT button so the unit will be in transmit mode.

3) Adjust RV1 semi-volume until 24dBm +/- 1dBm

4) Set the unit on Hi power. Press the PTT button so the unit will be in transmit mode.

5) Tx Hi power only cofirm the 28dBm +/- 1dBm

6) Set the unit at FRS Ch 8.(467.5625MHz)

7) Set the unit on Hi power. Press the PTT button so the unit will be in transmit mode.

8) Adjust RV1 semi-volume until 24dBm +/- 1dBm

4. Maximum Audio Deviation

1) TP(ALG1) is short to GND.

2) Go to Max. deviation alignment mode by press and holding the Call button then turn on the radio.

3) TP(ALG1) is open to GND, because of share to up button.

4) LCD become on display such as belows. Press the Up or Down button to align if necessory each step.

	Display	Default value	
① GMRS Maximum Deviation Alignment	td	0b	Test frequency ; 462.5625MHz

5. Receiver Squelch Alignment

1) TP(ALG1) is short to GND.

2) Go to RX squelch alignment mode by press and holding the Menu button then turn on the radio.

3) TP(ALG1) is open to GND, because of share to up button.

4) LCD become sequential on display such as belows. Press the Menu button to change each step.
and Press the Up or Down button to align if necessory each step.

	Display	Default value	
① WX Squelch Alignment	W	0F	Test frequency ; 162.550MHz
② GMRS Squelch Alignment	gr	0d	Test frequency ; 462.7125MHz

6. CPU version and Memory clear by press and holding the Up button then turn on the radio.

7. If TP(ALG1) is short to GND, Alignment mode is enable. If TP(ALG1) is open to GND, Alignment mode is disable.