

T55 Alignment Procedure

2014. 12. 05.

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 at conducted condition.

- 1) Set the power supply at 3.6Vdc. Set the unit at ch 1.(462.5625MHz)
- 2) Press the PTT button so the unit will be in transmit mode.
- 3) TX power check the 26dBm +/- 1dBm

4. Maximum Audio Deviation

- 1) TP(ALG) is short to GND.
- 2) Go to Max. deviation alignment mode by press and holding the **Call button** then turn on the radio.
- 3) LCD become on display such as belows. Press the Up or Down button to align if necessary each step.

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

- 1) TP(ALG) is short to GND.
- 2) Go to RX squelch alignment mode by press and holding the **Down button** then turn on the radio.
- 3) LCD become on display such as belows. Press the Up or Down button to align if necessary each step.

	Display	Default value
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① GMRS Squelch Alignment	gr	09	Test frequency ; 462.7125MHz
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6. Charging Stop Voltage Alignment ; Fixed 4.30V

7. Memory clear by press and holding the **Up button** then turn on the radio.

8. If TP(ALG) is short to GND, Alignment mode is enable. If TP(ALG) is open to GND, Alignment mode is disable.