

LXT118PA Alignment Procedure

2015. 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 at conducted condition.

- 1) Set the power supply at 3.6Vdc. Set the unit at GMRS ch 1.(462.5625MHz) and FRS ch 8. (467.5625MHz)
- 2) Press the PTT button so the unit will be in transmit mode.
- 3) TX power check the 24dBm +/- 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
① GMRS Maximum Deviation Alignment	td	0b Test frequency ; 462.5625MHz

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
① GMRS Squelch Alignment	gr	09 Test frequency ; 462.7125MHz

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

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