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 necessory 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 necessory 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.