

LXT535PA 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 and Max. Deviation

- 1) TP(ALG1) is short to GND.
- 2) Set the power supply at 4.8Vdc. Set the unit at GMRS ch 1.(462.5625MHz)
- 3) Go to Max. deviation and Low Power alignment mode by press and holding the Call button then turn on the radio.
- 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 necessary each step.

	Display	Default value
--	---------	---------------

- | | | | |
|----------------------------|----|----|------------------------------|
| ① Max. deviation Alignment | td | 0b | Test frequency ; 462.5625MHz |
| ② TX Low Power Alignment | Lp | 03 | Test frequency ; 462.5625MHz |

- 5) Press the PTT button so the unit will be in transmit mode.
- 6) Adjust up/down button until 24dBm +/- 1dBm
- 7) Set the unit on Hi power. Press the PTT button so the unit will be in transmit mode.
- 8) TX Hi power only confirm the 28dBm +/- 1dBm
- 9) Set the unit at FRS Ch 8.(467.5625MHz)
- 10) Press the PTT button so the unit will be in transmit mode.
- 11) FRS channel power only confirm the 24dBm +/- 1dBm

4. 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) 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 necessary each step.

	Display	Default value
--	---------	---------------

- | | | | |
|--------------------------|----|----|------------------------------|
| ① GMRS Squelch Alignment | gr | 09 | Test frequency ; 462.7125MHz |
|--------------------------|----|----|------------------------------|

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

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