

ON REAL LIMITED

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Alignment Procedure

CXT280

1. TX Alignment

- 2) TX Freq. Align: ~ Press PTT at CH1 and read Frequency with Frequency counter
~ Align $462.5625\text{MHz} \pm 50\text{Hz}$ with C33
- 3) TX Mod. Align: ~ Set CH1 100mV 1KHz Mic Input
~ Press PTT and align max modulation $< 2.5\text{KHz}$
- 4) Check TX Power Output: ~ Set CH1 Power High
~ Press PTT and read TX Power output - $< 1\text{W}$
~ Change to CH 8 for Power Low and read the TX Power output - $< 0.5\text{W}$

2. RX

Set unit : CH1 4.8 DC supply 16 Ohm Load

- 1) RX Audio Distortion: ~ Set CH1, SSG 1mV, Audio level 5 (about 650mV)
~ Read Distortion - $< 20\%$
- 2) RX Sensitivity: ~ Reduce SSG level - $> -118\text{dBm}$