

ON REAL LIMITED

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Alignment Procedure

Model : T400/T460/T461/T465

1. TX Alignment

- 1) **TX Freq. Align:** ~ Press PTT at CH1 and read Frequency with Frequency counter
~ Align 462.5625MHz \pm 50Hz with C15
- 2) **TX Mod. Align:** ~ Set CH1 100mV 1KHz Mic Input
~ Press PTT and align max modulation < 2.5KHz
- 3) **Check TX Power Output:** ~ Set CH1~CH7 /CH15~CH22 Power High
~ Press PTT and read TX Power output < 2 W
~ Change to CH 8~CH14 for Power Low and read the TX Power output < 0.5W
~ Align Low TX Power output < 0.5W with VR1

2. RX

Set unit : CH1 3.6 DC supply 16 Ohm Load

- 1) **RX Audio :** Set CH1, SSG 1mV, Audio level 5 (about 650mV)
~ Read audio level
- 2) **RX Audio Distortion:** ~ Set CH1, SSG 1mV, Audio level 5 (about 650mV)
~ Read Distortion - < 5%
- 3) **RX Sensitivity:** ~ Reduce SSG level - > -118dBm