PREMIER COMMUNICATIONS

FCC ID: N2EPR160B

EXHIBIT # 12

ALIGNMENT PROCEDURES Transmitter Section

- A. Set Instrument Connection be same as the Fig 1. And the Audio Signal Generator turn off.
- 1. Frequency Alignment
 - (1). Adjust the CP18 to the Standard Frequency ±0.5 KHz
- 2. RF Output Power
 - (1). Set the unit to the HI power position. Adjust the LT12,LT11,LT8,LT7,LT6,LT5,LT4 for the Maximum Output power and Minimum Harmonic.
 - (2). Adjust the RT26 to 5W power Output.
 - (3). Set the unit to the MID power position. Adjust the RT25 to 2.5W power Output.
 - (4). Set the unit to the LO power position. Adjust the RT24 to 1W power Output.
- 3. Maximum Deviation:
 - (1). Instrument Connection is same as Fig 1. Turn On the Audio Signal Generator and Set to 1KHz 70 mV rms Sinwave plug in TP4.
 - (2). Adjust the RA14 to the deviation is 2.4KHz ±0.1KHz.

Receiver Section

- (B). Set Instrument Connection be same as the Fig 1.
- 1. Intermediate Frequency Alignment
- (1). Set the VHF Signal Generator to 21.4MHz, 1KHz @ 1.5KHz and Output level to the Maximum.
 - (2). The test unit set to Standard Frequency squelch off and the Audio Output turn to 0.64 Vrms with 8 ohm load.
 - (3). Adjust the IFT LA1, LF6, LF1 to the Maximum Output and Minimum Distortion.
- 2. RF Sensitivity Alignment
 - (1). Set the VHF signal Generator to Standard Frequency, 1KHz @ 1.5KHz and the Output level is -118 dBm.
 - (2). As same process as Intermidate Frequency Alignment (2)
 - (3). Adjust the IFT LF5, LF4, LF3, LF2 to the Minimum distortion and best Signal to noise ratio.
 - (4) Repeat the process (3)
- 3. Squelch Sensitivity Alignment
 - (1). Set the VHF signal Generator to Standard Frequency, 1KHz @ 1.5KHz and the Output level is -120 dBm.
 - (2). Set the Test Unit to squelch ON.
 - (3). Adjust the RA24 just to turn on the Squelch.

- (4).Reduce the level to -125 dBm the Output should be turn off.
- 4. Signal Level Alignment
 - (1).Set the VHF signal Generator to Standard Frequency, 1KHz @ 1.5KHz and the Output level is -103 dBm.
 - (2). Adjust the VR1 to the level meter display (5/M) just ON.