APPLICANT: MOTOROLA INC. EQUIPMENT TYPE: ABZ89FC4818-D

TUNE-UP PROCEDURE

This exhibit contains the tune-up procedure as it will appear in the Configuration Service Software (CSS) manual.

The following adjustments comprise the total transmitter alignment:

- 1. Reference Oscillator
- 2. Transmitter Power Output
- 3. Transmit Deviation Control
- 4. Reference Modulation Compensation

Note: All adjustments are factory pre-set and do not require alignment under normal operating conditions. In the event alignment is needed, refer servicing to qualified radio maintenance personnel only.

TEST EQUIPMENT

Description Recommended model

1. Service Monitor

Motorola R-2001 or equivalent

2. PC with CSS

TRANSMITTER ALIGNMENT PROCEDURE

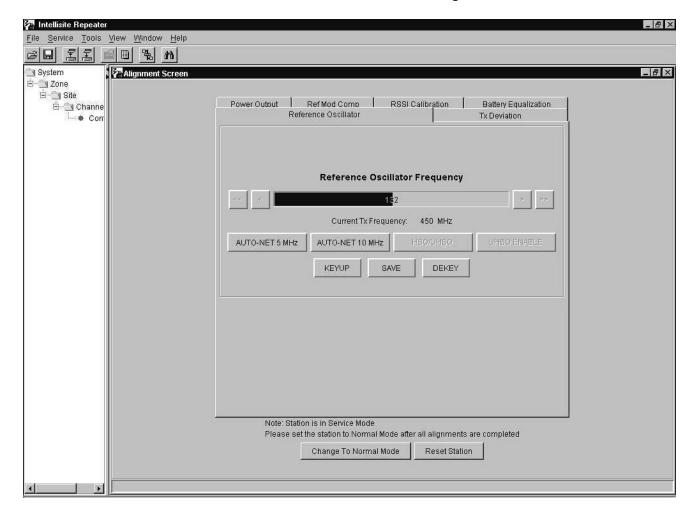
CSS/RSS Port: A 9-pin D connector is provided on the station control module front panel to allow service personnel to connect a PC loaded with the Configuration Service Software (CSS) and perform programming and maintenance tasks via this TIA RS-232 port. The following pages of this exhibit will show the important alignment screens.

EXHIBIT DESCRIPTION

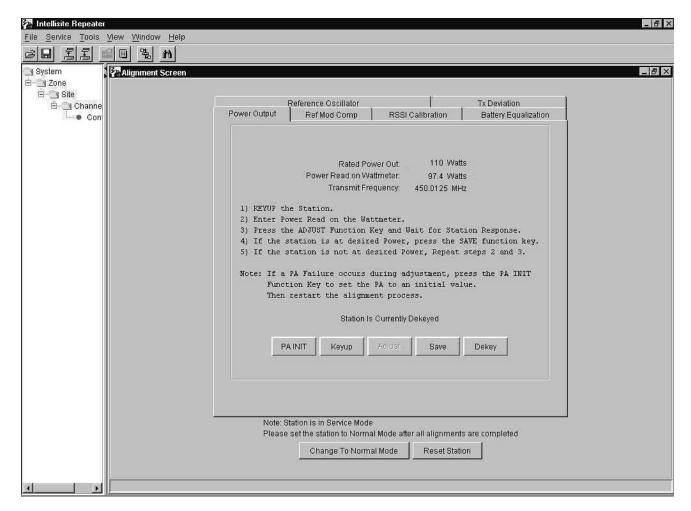
- 9A Reference Oscillator Alignment Screen
- 9B Transmitter Power Output Alignment Screen
- 9C Transmitter Deviation Alignment Screen
- 9D Reference Modulation Compensation Alignment Screen

All adjustments are software controlled and are pre-set at the factory. Certain station operating parameters can be changed via man-machine interface (MMI) commands, within predetermined limits. Examples include transmit / receiver operating frequencies and power level.

TUNE-UP PROCEDURE - Reference Oscillator Alignment Screen









Key On Status

Note: Station is in Service Mode

Click to Keyup the station using Frequency 1

Save

Change To Normal Mode

Keyed Up On Frequency 1

Dekey

Reset Station

Please set the station to Normal Mode after all alignments are completed

TUNE-UP PROCEDURE - Transmitter Deviation Alignment Screen

TUNE-UP PROCEDURE - Reference Modulation Compensation Alignment Screen

