

TUNE-UP PROCEDURE

There is no field tune-up procedure. All adjustments are software controlled and are pre-set at the factory. Certain station operating parameters can be changed via Man Machine Interface (MMI) through the BRC RS232 port within predetermined limits. Examples include transmit / receiver operating frequencies and power level.

Tune Up Procedure

This exhibit contains the tune-up procedure as it will appear in the Astro® 25 system release 6.2 Simulcast Configuration Manual.

The following adjustments comprise the transmitter setups.

1. Reference oscillator installation
2. Setting transmitter frequency and power level.
3. Measuring channel interference
4. Measuring the transmitter metering points
5. Measuring the transmitter frequency error

Test Equipment

Description

Service Monitor
PC with CSS Software

Recommended Model

Motorola R-2001 or equivalent

Procedure

CSS Port: 9-pin serial cable with 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 the RS232 port. The following pages of this exhibit show the important alignment screens.

Exhibit

Description

9A	Installing reference oscillator
9B	Configuring channel frequency and power level
9C	Measuring channel interference
9D	Measuring the transmitter metering points
9E	Measuring the transmitter frequency error