

Motorola Solutions Technical Notification (MTN)

TITLE: SLR 8000 800/900MHz Base Station Reference Tuning

TECHNOLOGY: MOTOTRBO™ SLR 8000 800/900MHz Base Station

SYMPTOMS:

Upon installation, Modem FRU replacement, and as maintenance and regulations require, the reference oscillator on the SLR 8000 800/900MHz base station must be checked and aligned as necessary. Refer to the reference oscillator tuning procedure documented in the SLR 8000 Base Station/Repeater Basic Service & Installation Manual and note the following:

- Before measuring the carrier frequency with the communications analyzer, ensure that the SLR 8000 has been turned on for at least 5 minutes as a minimum.
- The carrier frequency should be adjusted to within the SLR 8000 800/900MHz performance specification of +/- 0.1 ppm from nominal. For example, for a 870MHz nominal carrier, adjust the reference oscillator to obtain a carrier within 870MHz +/- 87Hz. To accomplish this the test equipment used must have an accuracy better than .025 ppm, or 25 ppb. This requires a suitable accurate external frequency standard as the internal reference of communication analyzers or service monitors do not have this level of accuracy.
- Tuner application version V18.0 Build 252 or later must be used for this operation. Attempting to use an earlier version of the Tuner application will result in an error message.

MODELS / SYSTEM RELEASES / KITS / DATE CODES AFFECTED:

MOTOTRBO™ SLR 8000 800/900MHz base stations.

SEVERITY RECOMMENDATION:

Low / Maintenance - Perform during installation, Modem FRU replacement and as maintenance and regulations require.

ROOT CAUSE / DEFINITIVE TEST:

N/A

WORKAROUNDS AND CORRECTIVE ACTIONS:

N/A

RESOLUTIONS AND REPAIR PROCEDURES:

N/A

PARTS REQUIRED (HARDWARE/SOFTWARE):

N/A

ADDITIONAL INFORMATION:

N/A

REFERENCE THE FOLLOWING DOCUMENTS/PROCESSES FOR INSTALLATION PROCEDURES:

N/A

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WHEN TO APPLY RESOLUTION:

After reboot ___
After (re)installation ___
After upgrade ___
After power cycle ___
After database restoration ___
After failure ___
On FRU replacement ___
During maintenance ___
Immediately ___
As instructed X
Information only ___

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