

S E R V I C E N O T E

SUPERSEDES: NONE

E6452A CDMA receiver

Serial Numbers:

US39150308 have rev 03.00.08 and correct alignment all units less than US38260200 need calibration and:
201-217
218-219
222-232
234-236
239-254
256, 260, 262, 267, 269
273-280
295
297-299
302

Firmware upgrade and calibration required

To Be Performed By: Agilent Qualified Personnel

Continued

DATE: July 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input checked="" type="checkbox"/> AGREEABLE TIME	STANDARDS:	LABOR 3.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
		USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: Product's Support Life	
AUTHOR: RP	ENTITY: 5340	ADDITIONAL INFORMATION:	

Situation:

The E6452A receiver can be used in a configuration that uses the E6450B receiver. In this situation the second harmonic of the Local Oscillator feedtrhu in the E6452A falls in band of the E6450B receiver and causes false signals to be reported. A new tuning algorithm for the E6452A moves the LO out of the receiving band of the E6450B. Changing the tuning equation nullifies the alignment data, so the E6452A must be recalibrated when changing from revisions 3.00.00 and earlier to revsion 3.00.08.

Normally firmware upgrades are customer performed but because the unit requires realignment after upgrade, this upgrade can only be performed at an Agilent service center.

Solution / Action:

Reprogram firmware and realign unit.

Before downloading new firmware run the following verification tests: Frequency Accuracy, Absolute Accuracy and Noise figure. If any of these are gross failures (2 times spec limits) troubleshoot and repair before reprogramming firmware. Repair is not covered outside of warranty.

Steps:

Verify functionality
Reprogram firmware
Realign Full Verification