E8257D-20

S E R V I C E   N O T E

Supersedes:
None

E8257D Signal Generator
Firmware revision C.05.01

Serial Numbers: [0000A00000 / 9999Z99999]

Firmware C.05.01 overwriting attenuator cal data in E8257D with options 550 + 1E1 or 567 + 1E1 included in the option string

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.

None

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY: :	x IMMEDIATELY [[]] ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS LABOR: 6.0 Hours	
LOCATION CATEGORY:	[[]] CUSTOMER INSTALLABLE [[]] ON-SITE x SERVICE CENTER	SERVICE x RETURN INVENTORY: [[]] SCRAP [[]] SEE TEXT	USED [[]] RETURN PARTS: [[]] SCRAP [[]] SEE TEXT
AVAILABILITY: PRODUCTS SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 1/2/09		
AUTHOR: DMc	PRODUCT LINE: PL15		
ADDITIONAL INFORMATION:			

Agilent Technologies

Situation:

If an E8257D option string includes 550 + 1E1 or 567 + 1E1 this service note applies. If the E8257D does not have this frequency and attenuator option combination the service does not apply. Firmware C.05.01 writes zeros (0) into the attenuator calibration arrays when power is cycled resulting in the attenuator calibration data being lost. Firmware revision C.05.03 corrects the defect.

A very small number of E8257D option 550 +1E1 and 567 + 1E1 were shipped with C.05.01, but C.05.01 was available on the external web for downloading and updating existing instruments. Whether C.05.01 was shipped in the instrument or downloaded into the instrument as a firmware upgrade the attenuator cal data is lost.

Solution/Action:

1. Update firmware to revision ≥C.05.03
2. Perform the following adjustments:
> Power Flatness
> Lowband Attenuator Calibration (<3.2 GHz)
> High Band Attenuator Calibration (>3.2 GHz)
> V-Band Attenuator Calibration (only option 567)
3. Perform the following performance tests
> Maximum Leveled output power
> Power level Accuracy