

MODIFICATION RECOMMENDED

E6607C-01

S E R V I C E N O T E

Supersedes:
NONE

E6607C – Multiport Wireless Communications Test Set

Serial Numbers: ALL

High failure rates of the DC/DC converters on the E6607C Source boards. E6607C Source boards E6607-61850 use a larger heat sink. The weight of the larger heat sink results in the board to vibrate more in transit. The increase flexing of the board causes the DC/DC converters to have cracked solder joints which causes a higher fail rate

Parts Required:

P/N	Description	Qty.
0470-0450	Adhesive Silicone-Rubber 3oz Paste (RTV) Translucent	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: MODIFICATION RECOMMENDED		
ACTION <input type="checkbox"/> ON SPECIFIED FAILURE CATEGORY: X AGREEABLE TIME	STANDARDS LABOR: 0.5 Hours	
LOCATION <input type="checkbox"/> CUSTOMER INSTALLABLE CATEGORY: <input type="checkbox"/> ON-SITE (active On-site contract required) X SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE <input type="checkbox"/> RETURN INVENTORY: <input type="checkbox"/> SCRAP X SEE TEXT	USED <input type="checkbox"/> RETURN PARTS: <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: Perform on contact until 9/30/2015	
<input type="checkbox"/> Calibration Required X Calibration NOT Required	PRODUCT LINE: PL 13 AUTHOR: MW	
ADDITIONAL INFORMATION:		

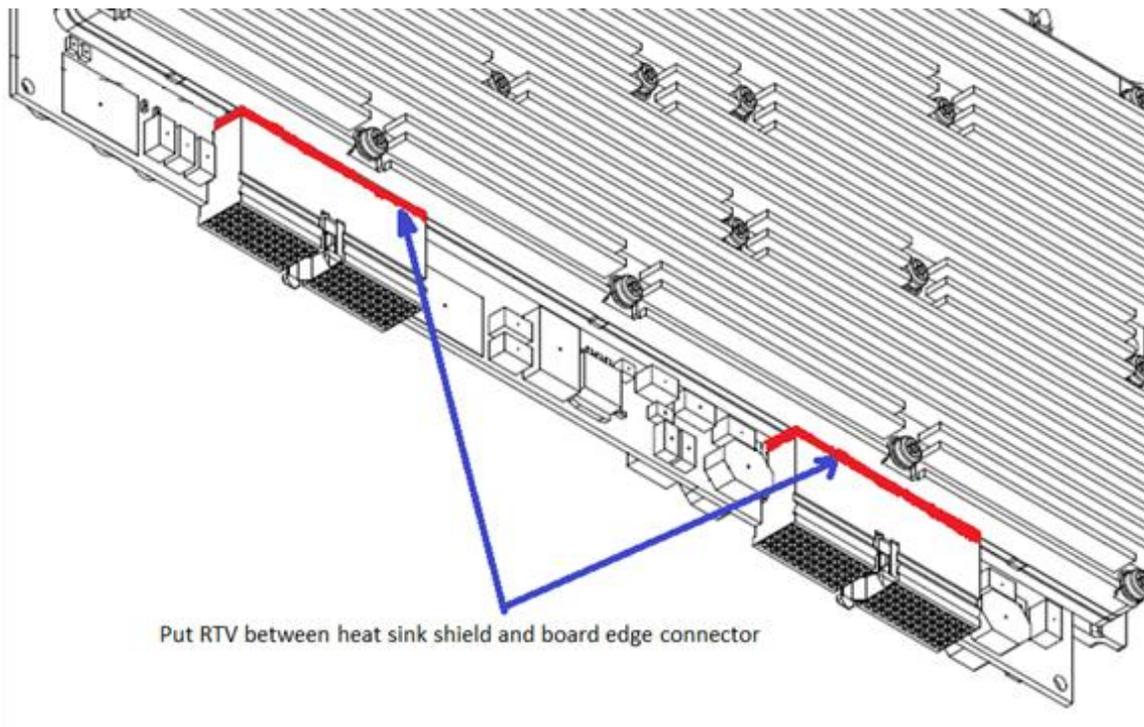
Situation:

High warranty failure rates of the DC/DC converters on the E6607C Source boards. E6607C Source boards E6607-61850 use a larger heat sink. The weight of the larger heat sink results in the board to shake harder and vibrate more in transit. The increase flexing of the board causes the DC/DC converters to have cracked solder joints which causes loss of the DC supply. One of the errors seen is the "PCI Enumeration Time Out". Installing the Dow Corning 3145 RTV between the connectors and the shields stiffens the boards so that the board flexes less in the area where the DC/DC converters are mounted.

Solution/Action:

Remove the A29 RF Source assembly from the unit and Install Dow Corning 3145 RTV Silicon rubber between Heat sink and the shield. This will stiffen the boards so that it will flex less and prevents the cracks in the solder joints on the connection between the main board and the DC/DC converters.

Allow the RTV to dry for 30 to 60 minutes so that it does not weep into connector before assembly back into the unit.



Before RTV installed



After RTV installation



Revision History:

Service Note Revision	Date	Author	Reason For Change
01	8/7/2014	MW	As published