

E5063A-16

Modification Recommended Service Note

Supersedes: NONE

E5063A ENA Series Network Analyzer

Serial Numbers: MY54503177 to MY54503772 Manufacturing ID Number: N/A

Internal circuit short of A3 board

Parts Required:

P/N	Description	Qty.	
	A3 Analog Main Board Refurbished A3 Analog Main Board	1 1	or

ADMINISTRATIVE INFORMATION

ACTION CATEGORY:	[X] ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS LABOR: 3.0 Hours			
LOCATION CATEGORY:	 []] CUSTOMER INSTALLABLE []] ON-SITE (active On-site contract required) [X] SERVICE CENTER []] CHANNEL PARTNERS 	SERVICE: [[]] RETURN USED [[]] RETURN INVENTORY: [[]] SCRAP PARTS: [X] SCRAP [[]] SEE TEXT [[]] SEE TEXT			
AVAILABILITY: PRODUCT'S SUPPORT LIFE		NO CHARGE AVAILABLE UNTIL: 31-May-2021			
	[X] Calibration Required [[]] Calibration NOT Required	PRODUCT LINE: WN AUTHOR: jm			

ADDITIONAL INFORMATION:



Situation:

Power on test failure, PLL Unlock or the other A3 related failure happens due to internal circuit short of A3 analog main board. This failure symptom tends to appear in the high temperature and tends to disappear in the low temperature.

E5063A Network Analyzer 1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State Resize <mark>1</mark> 511 Log Mag 10.00 dB/ Ref 0.000 dB E5063A Menu Measurement 40.00 Format Log Mag 30.00 Scale 20.00 Display Average Calibration 0.000 Stimulus -10.00 Sweep Setup -20.00 Trigger Marker -30.00 Marker Search -40.00 Marker Function 50.00 1 Start 300 kHz IFBW 70 kHz Stop 8.5 GHz Off ! Power on test failed; (PowerSupply, 0x000000 1) Meas ExtRef Svc 2019-04-10 13:39 1:39 PM B ^ 🌄 🕬 📖 4/10/2019

See below as a sample failure symptom.

Solution/Action:

Replace A3 analog main board, though the failure symptom appears intermittently. (This means if customer reported failure symptom is attributed to A3, replace A3 even though MSD cannot reproduce the failure symptom) Perform After repair calibration.

Date	Service Note Revision	Author	Reason for Change	
31-May-2019	E5063A-16	Jun Maruo	As Published	