

E5071C-45A

# Information Only Service Note

Supersedes:  
E5071C-45

## E5071C ENA Series Network Analyzer, 9 kHz to 20 GHz

Serial Numbers: ALL

Manufacturing ID Number: N/A

Combination between Synthesizer board and firmware

### Parts Required:

P/N	Description	Qty.
E5071-62291	Tested Synthesizer Module, PB-FREE 1	
	or	
E5071-62193	Tested Synthesizer Module, PB-FREE 1	

### Situation:

#### ADMINISTRATIVE INFORMATION

<input checked="" type="checkbox"/> Calibration Required	PRODUCT LINE: WN
<input type="checkbox"/> Calibration NOT Required    Calibration NOT Required	AUTHOR: ls

ADDITIONAL INFORMATION:

The synthesizer board for production was changed due to component part yield issue. The value of DC BUS was changed, too.

If the combination between the synthesizer board and the firmware is not valid, the power on test fails at DC BUS Test.

**Solution/Action:**

Keep the valid combination between the synthesizer board and the firmware.

OS	Firmware	Synthesizer Board	
		E5071-62291	E5071-62193
Win-XP	A.07.01 ~ A.11.31	Valid	Invalid
Win-7	B.12.01 ~ B.13.01	Valid	Invalid
	B.13.10 ~	Valid	Valid

When the instrument with the firmware A.11.31 and below has synthesizer failure, replace the defective synthesizer board with E5071-62291.

When the instrument with the firmware between B.12.01 and B.13.01 has synthesizer failure, replace the defective synthesizer board with E5071-62291 or replace the defective synthesizer board with E5071-62193 and update the firmware to B.13.10 or later.

When the instrument with the firmware B.13.10 and later has synthesizer failure, replace the defective synthesizer board with E5071-62193.

**Revision History:**

Date	Service Note Revision	Author	Reason for Change
26-Feb-2016	E5071C-45	ls	As Published
1-July-2016	E5071C-45A	ls	Revised Win-7 FW to B.13.10