E5071C-06

S E R V I C E N O T E

Supersedes:
NONE

E5071C ENA Series Network Analyzer, 9 kHz to 20 GHz

Serial Numbers: ALL

The S11 trace shows strange spurs at 68M to 2.1G, when the E5071C operator changes stop frequency to 6G, 6.5G, 7G etc.

Parts Required:

P/N	Description	Qty.
E5071-62091	Tested Synthesizer Module	2
Or		
E5071-69091	Tested Synthesizer Module, Exchange	2

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	X ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS LABOR: 2.0 Hours	
LOCATION CATEGORY:	[[]] CUSTOMER INSTALLABLE [[]] ON-SITE X SERVICE CENTER [[]] CHANNEL PARTNER	SERVICE INVENTORY: X RETURN [[]] SCRAP [[]] SEE TEXT	USED PARTS: X RETURN [[]] SCRAP [[]] SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE		NO CHARGE AVAILABLE UNTIL: August 1, 2012	
AUTHOR: jm		PRODUCT LINE: WN	
ADDITIONAL INFORMATION:			

August 9, 2010

Rev. 17

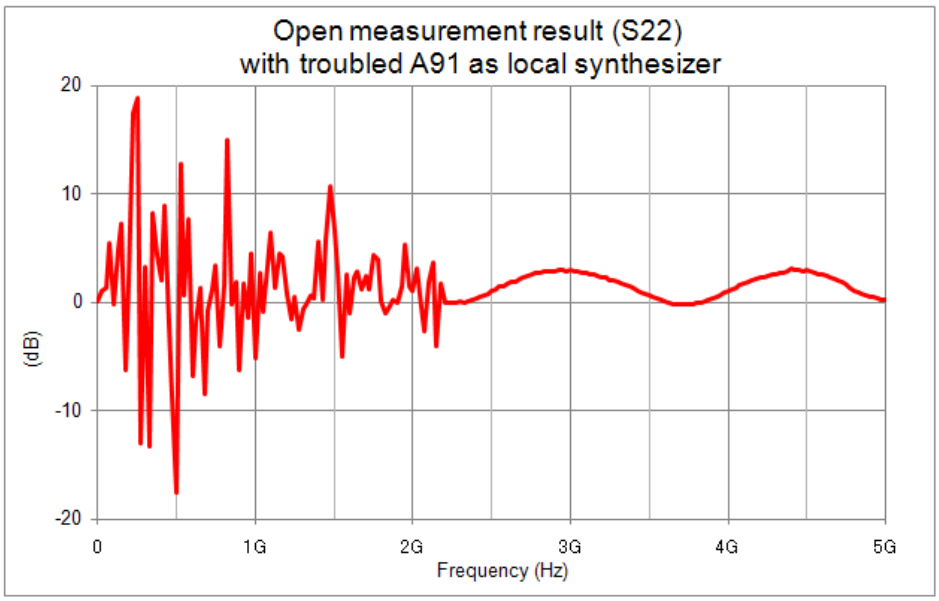
Agilent Technologies

Situation:

Shortly after turning on the E5071C and then "Preset" key pressed, the S11 is fine. But when the E5071C operator changes stop frequency to 6G, 6.5G, 7G etc., the S11 trace shows strange spur at 68M to 2.1G. (The stop freq point varies around 4.39G to 7.0G)

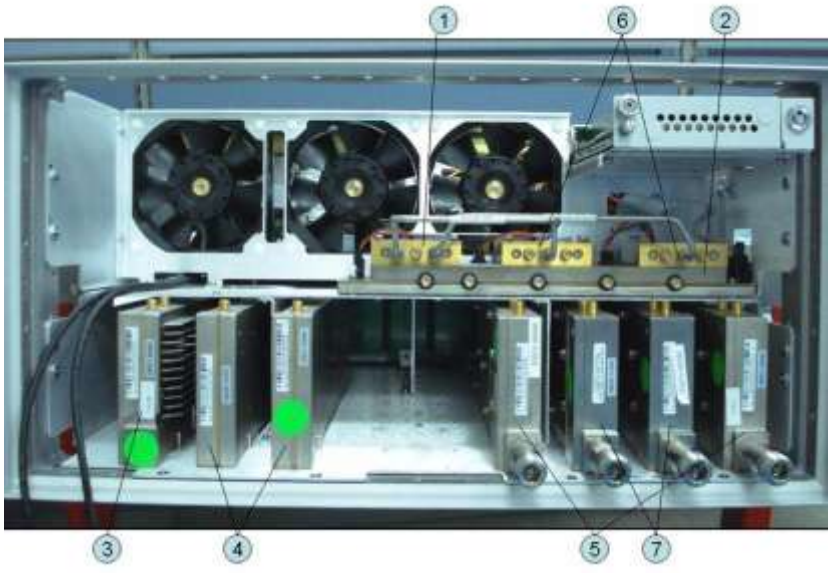
The same symptom occurs on S22, S33 and S44.

The below is a sample failure symptom on S22.



Solution/Action:

1. Replace two synthesizer boards (item 4 at the below picture) for Local and Source.



2. Perform the required Adjustment and Perform Verification which is described at Post-Repair Procedures in the service manual.

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