

E5071C-29

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

Cal Standard, 85032F Load maintenance cycle

Parts Required:

P/N	Description	Qty.
85032-60017	85032F Load, Type-N, Male	1

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
<input checked="" type="checkbox"/> Calibration Required	PRODUCT LINE: WN
<input type="checkbox"/> Calibration NOT Required	AUTHOR: jm
ADDITIONAL INFORMATION:	

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PRINTED IN U.S.A.

January 28, 2014

Rev. 21



Agilent Technologies

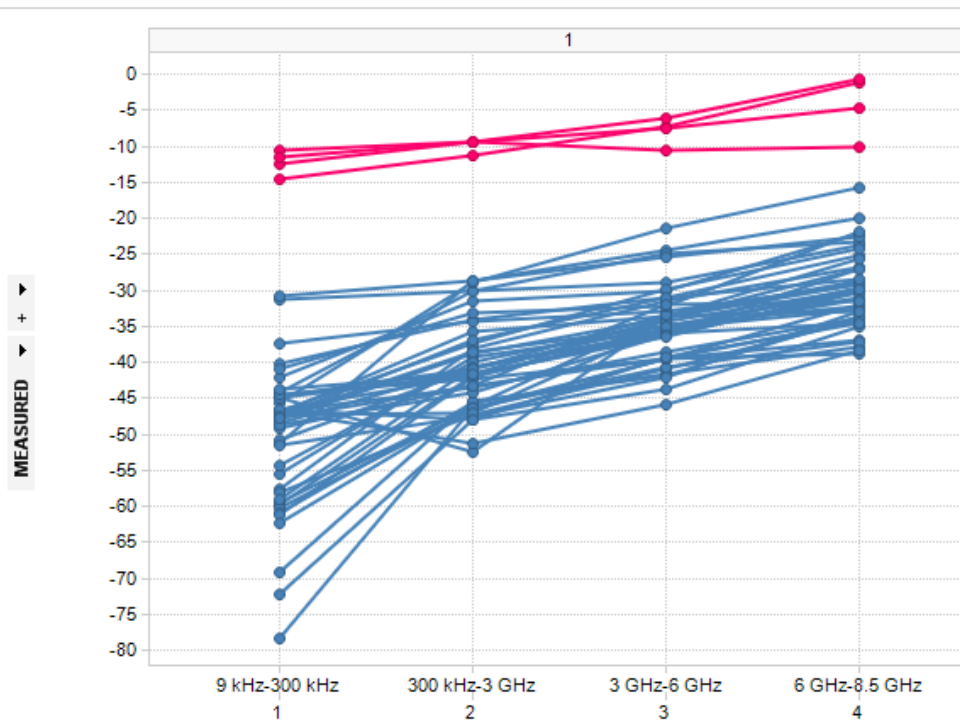
Situation:

When Directivity of Uncorrected System Performance test fails, re-test by using the other 85032F , Cal Standard.

Directivity fail example

Directivity			
Port 4: 100 kHz-300 kHz	-16.3 dB	-20.0	****
Port 4: 300 kHz-3 GHz	-5.2 dB	-25.0	****
Port 4: 3 GHz-6 GHz	-8.4 dB	-20.0	****
Port 4: 6 GHz-8.5 GHz	7.2 dB	-15.0	****

Directivity



Solution/Action:

If the directivity is – 10 dB or upper, the load of 85032F worn-out or the connection failure between Cal Standard and E5071C are suspected.

At first, re-test by using the other 85032F load.

If the directivity still fails, check the connection between the Cal Standard and the E5071C.

It is recommended that you replace the worn-out load with a brand-new load after 150 to 200 units' performance test.

Revision History:

Revision Number	Date	Author	Reason For Change
E5071C-29	28-Jan-2014	jm	As published