Antenna Data Sheet

Catalogue

1. Capability Status

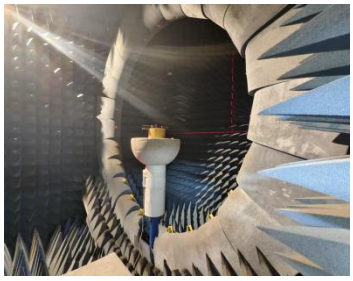
a. Main software and hardware facilities for antenna Equipment introduction

Suzhou: Satimo:1 GTS1800:1 GTS2800:1 ETS:1
SAR DASY 5:1

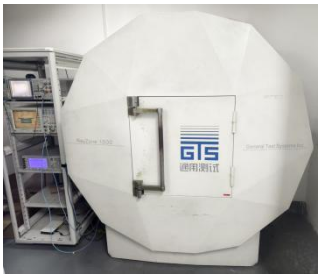
Shenzhen: Satimo：1 Bluetest:1

Xian: GTS2800:1 Satimo：3

Chongqing: GTS2800:1

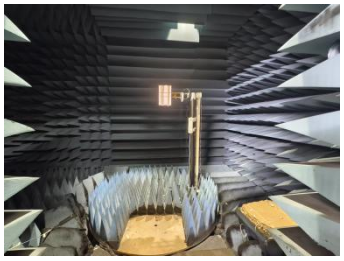


Satimo SG24



GTS1800

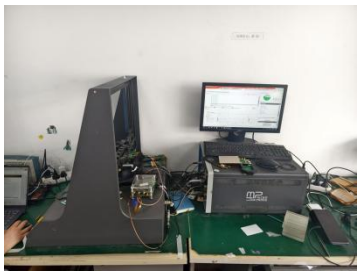
GTS2800



ETS

Bluetest

DASY4/5



Microprоss

b. Full category testing capability

Support system

WCDMA//TDD/FDD/5G-SA/5G-NSA/WiFi/CA/ENDC

Common equipment

Keysight E7515E

Anritsu MT8820C

Agilent E5071C

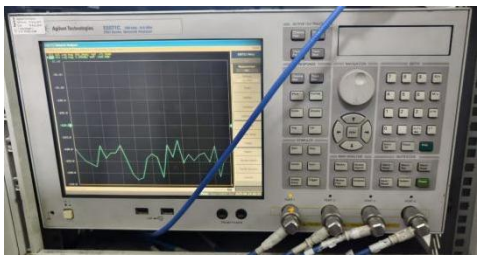
Rohde&Schwarz CMW500

DASY4/5 SAR

Keysight E7515E

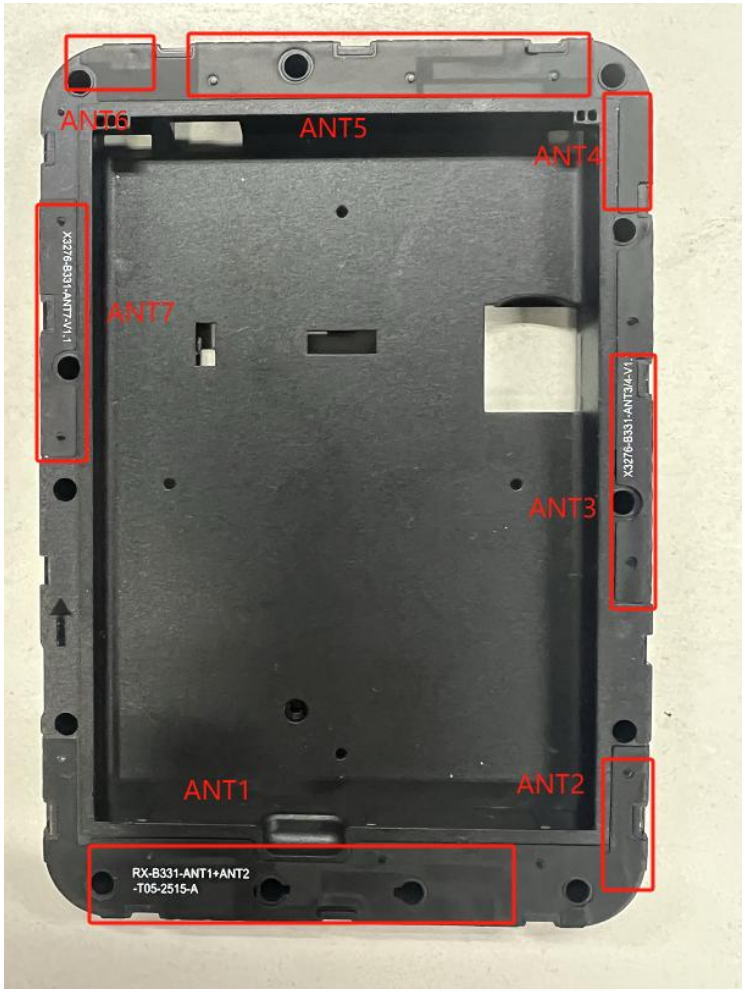
Anritsu MT8820C

Rohde&Schwarz CMW500



Agilent E5071C

2. Antenna Location



ANT1

TX0: WCDMA B2/4/5

LTE B2/3/4/5/12/14/20/66 NR N2/5/14/66

PRX: WCDMA B2/4/5

LTE B2/3/4/5/12/14/20/29/66 NR N2/5/14/66

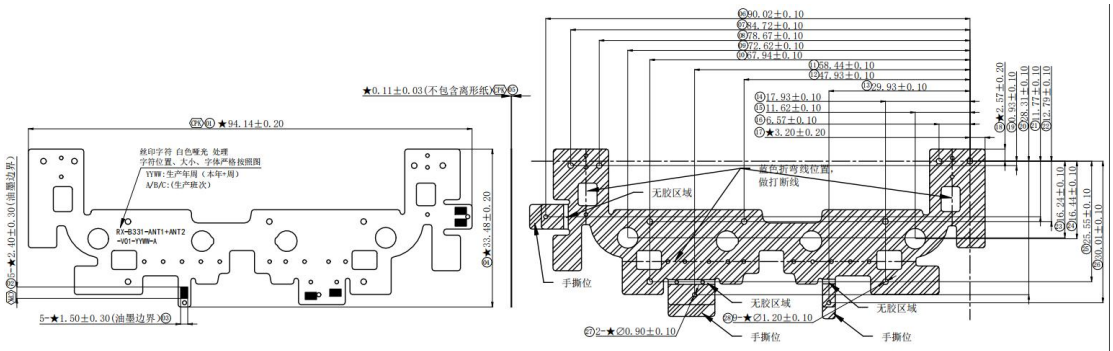
ANT2

TX0: B7/30 N30

PRX:B7/30 N30

DRX:N77

SRS TX :N77



正面(走线+黑色油墨+丝印+镀金)　　背面（背胶）

ANT5

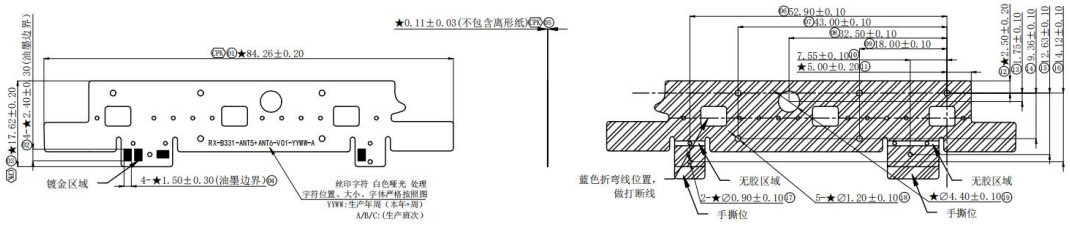
DRX: WCDMA B2/4/5

TX1: LTE B2/12/30/66 NR N2/66

DRX: LTE B2/3/4/5/7/12/14/20/29/30/66 NR N2/5/14/30/66

ANT6:

WiFi 2.4G&5G



正面(走线+黑色油墨+丝印+镀金)　　背面（背胶）

ANT1/2/5/6 Vendor

ANT1/2 Model:B331MA_MAIN

ANT5/6 Model:B331MA_Div&3IN1

Kunshan Innowave Communication Technology Co., Ltd.

www.innowave.cn

Tel: 86-0512-57258326

Fax: 86-0755-21633856

Address: Building H, No.55 Shengchuang Road, Kunshan

ANT3

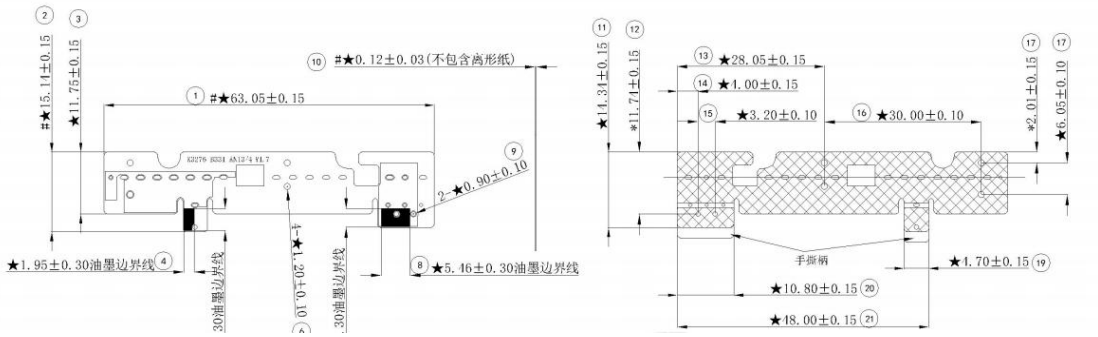
PMIMO: LTE B2/4/30/66 NR N2/30/66/77

SRS TX :N77

ANT4

TX0: N77

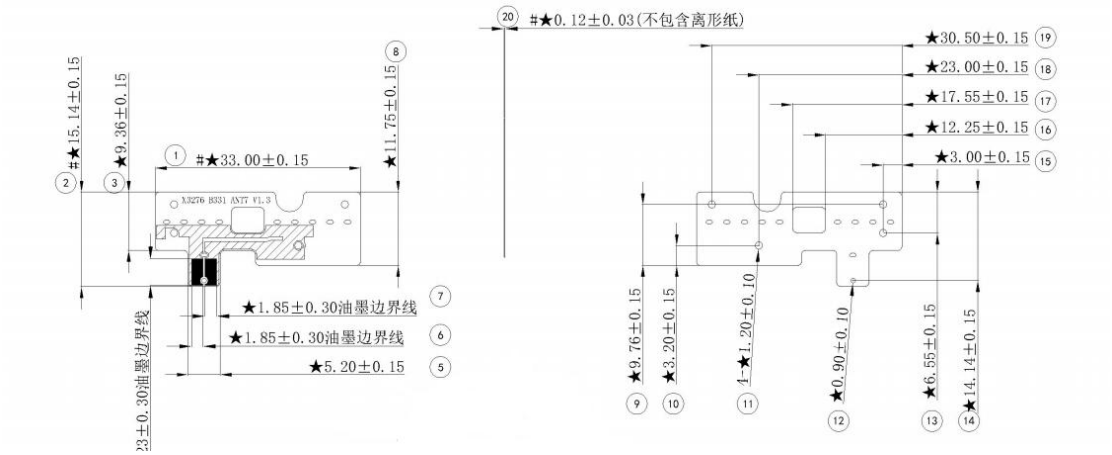
PRX: N77



ANT7

DMIMO: LTE B2/4/30/66 NR N2/30/66/77

SRS TX :N77



ANT3/4/7 Vendor

henzhen HamyWe Technology Co.,Ltd.

www.hamywe.com

Tel: 0755-3688170

Address: 4th Floor, Building B, Jinghang Industrial Park, Liuxian 3rd Road, Bao'an District, Shenzhen City

3. Antenna Passive Efficiency

Ant1

	Average Gain	Maximum Gain
WCDMA B2	-1.1dBi	-0.5dBi
WCDMA B4	-1.3dBi	-0.8dBi
WCDMA B5	-0.8dBi	-0.7dBi
LTE B2	-1.1dBi	-0.5dBi
LTE B3	-1.1dBi	-0.6dBi
LTE B4	-1.3dBi	-0.8dBi
LTE B5	-0.8dBi	-0.7dBi
LTE B12	-0.7dBi	-0.5dBi
LTE B14	-0.5dBi	-0.4dBi
LTE B20	-4dBi	-3.1dBi
LTE B66	-1.3dBi	-0.8dBi
N2	-1.1dBi	-0.5dBi
N5	-0.8dBi	-0.7dBi
N14	-0.5dBi	-0.4dBi
N66	-1.3dBi	-0.8dBi

Ant2

B7	0.6dBi	1.1dBi
B30	-0.3dBi	0.1dBi
N30	-0.3dBi	0.1dBi
N77	-3.7dBi	-2.1dBi

Ant3

B2	-0.5dBi	-0.1dBi
B4	-0.5dBi	0.1dBi
B30	0.0dBi	0.6dBi
B66	-0.5dBi	0.1dBi
N2	-0.5dBi	-0.1dBi
N66	-0.5dBi	0.1dBi
N30	0.0dBi	0.6dBi
N77	-2.3dBi	-1.5dBi

Ant4

N77	-2.1dBi	-1dBi

Ant5

B5	-6.3dBi	-3dBi
B12	-5.8dBi	-5.5dBi
B14	-5.1dBi	-4.8dBi
B20	-3.2dBi	-2dBi
B29	-5.8dBi	-5.5dBi
B2	-3.1dBi	-2.5dBi
B3	-1.5dBi	-0.9dBi
B4	-1.5dBi	-0.9dBi
B7	-4.1dBi	-3.8dBi
B30	-5.2dBi	-4.3dBi
B66	-1.5dBi	-0.9dBi
N5	-6.3dBi	-3dBi
N14	-5.1dBi	-4.8dBi
N2	-3.1dBi	-2.5dBi
N30	-5.2dBi	-4.3dBi
N66	-1.5dBi	-0.9dBi

Ant6

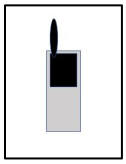
WIFI 2.4G	-0.6dBi	0.4dBi
WIFI 5G	-3.5dBi	-0.1dBi

Ant7

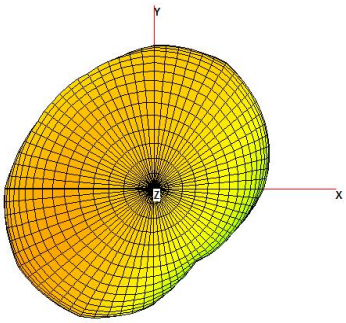
B2	-3.5dBi	-2.6dBi
B4	-2.7dBi	-2.1dBi
B30	-2.1dBi	-1.6dBi
B66	-2.7dBi	-2.1dBi
N2	-3.5dBi	-2.6dBi
N30	-2.1dBi	-1.6dBi
N66	-2.7dBi	-2.1dBi
N77	-3.3dBi	-2.4dBi

4.Simple Antenna Pattern Plot

A. Antenna1



B5/2/4/66



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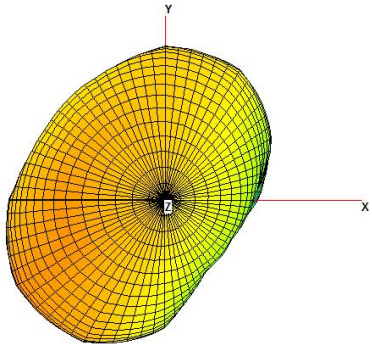
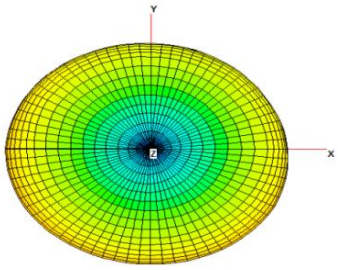
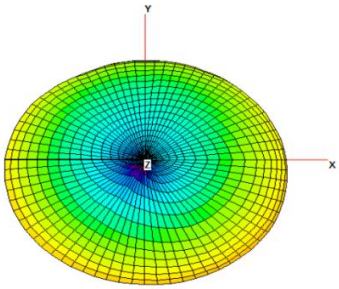


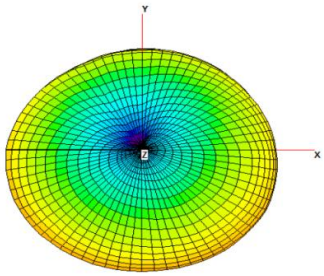
B20/30



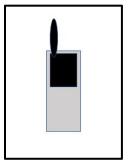
B3



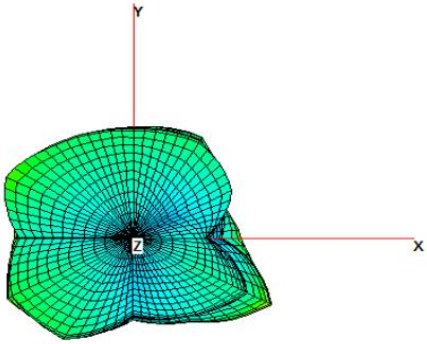
B12/29



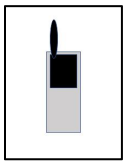
B. Antenna2

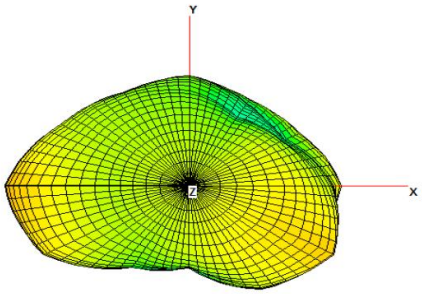


B7/30 N77

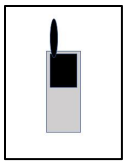


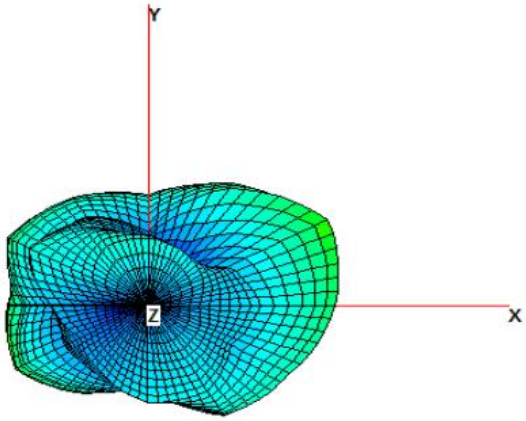
C.Antenna3





D.Antenna4





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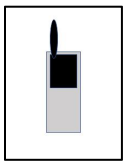
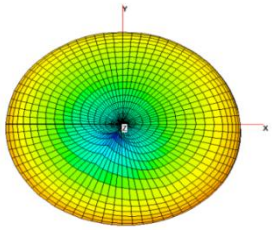


B2/3/4/7/66/5



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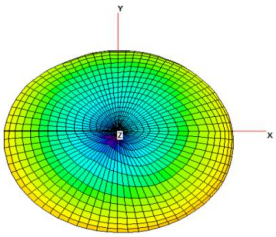
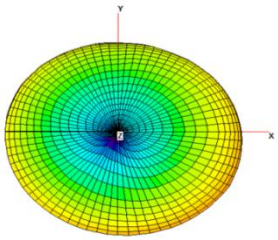
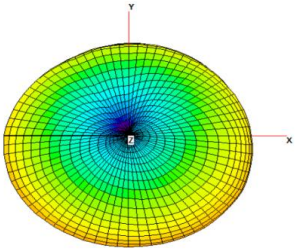


B20/30



B12/29



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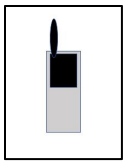
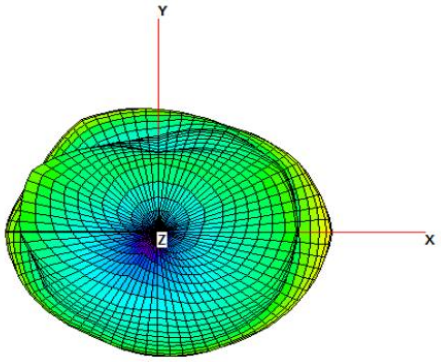
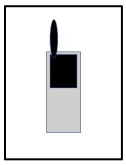
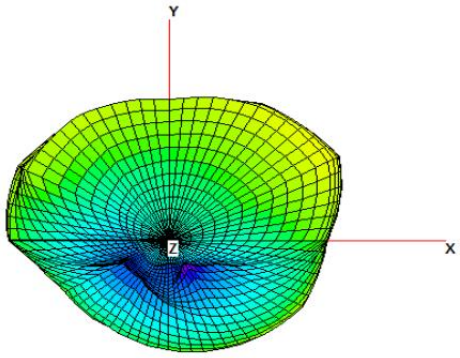




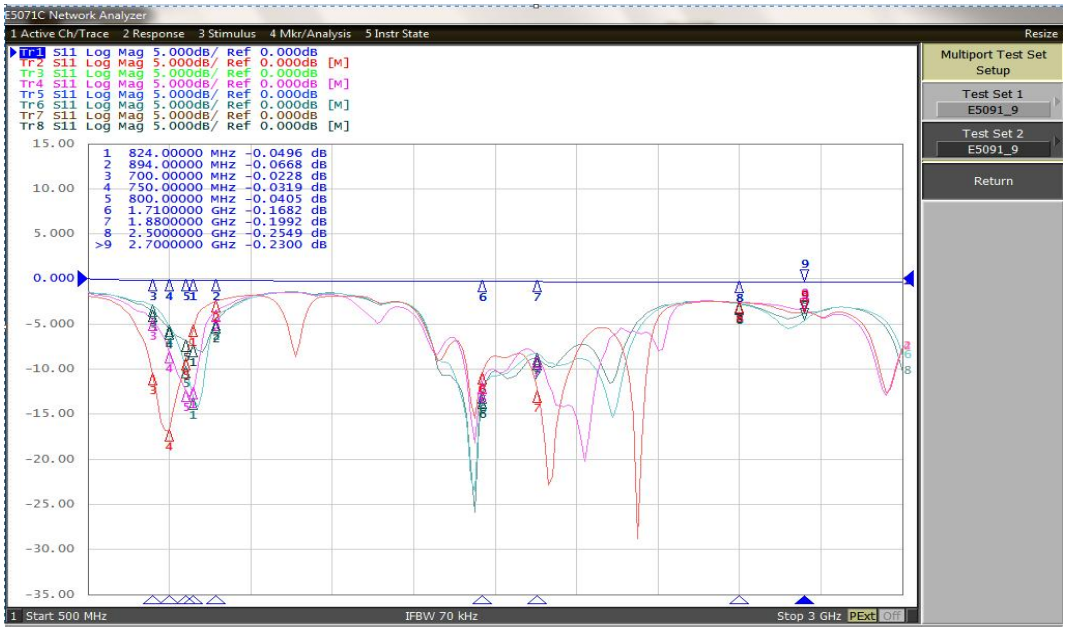
G.Antenna7



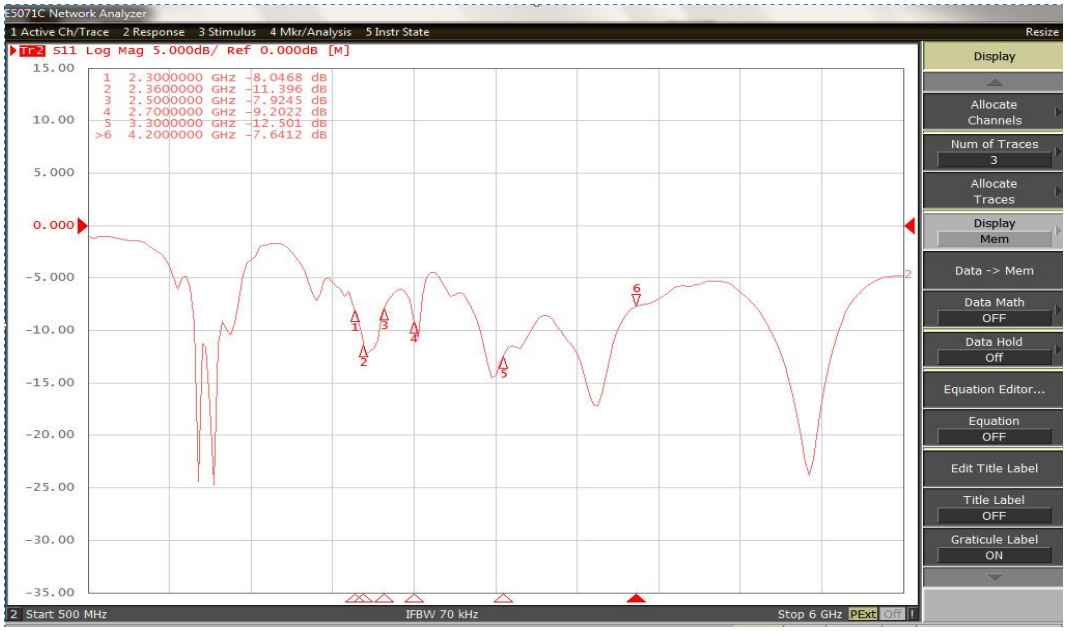


4. Antenna return loss

Antenna1



Antenna2



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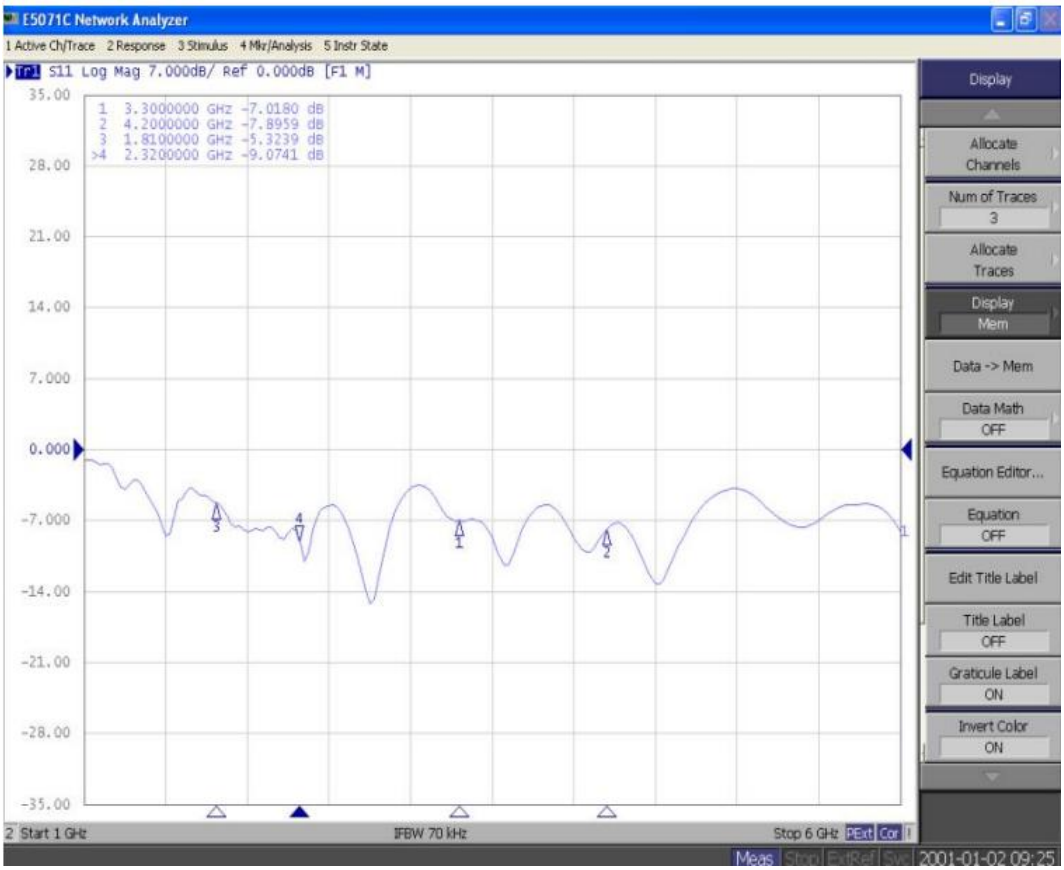

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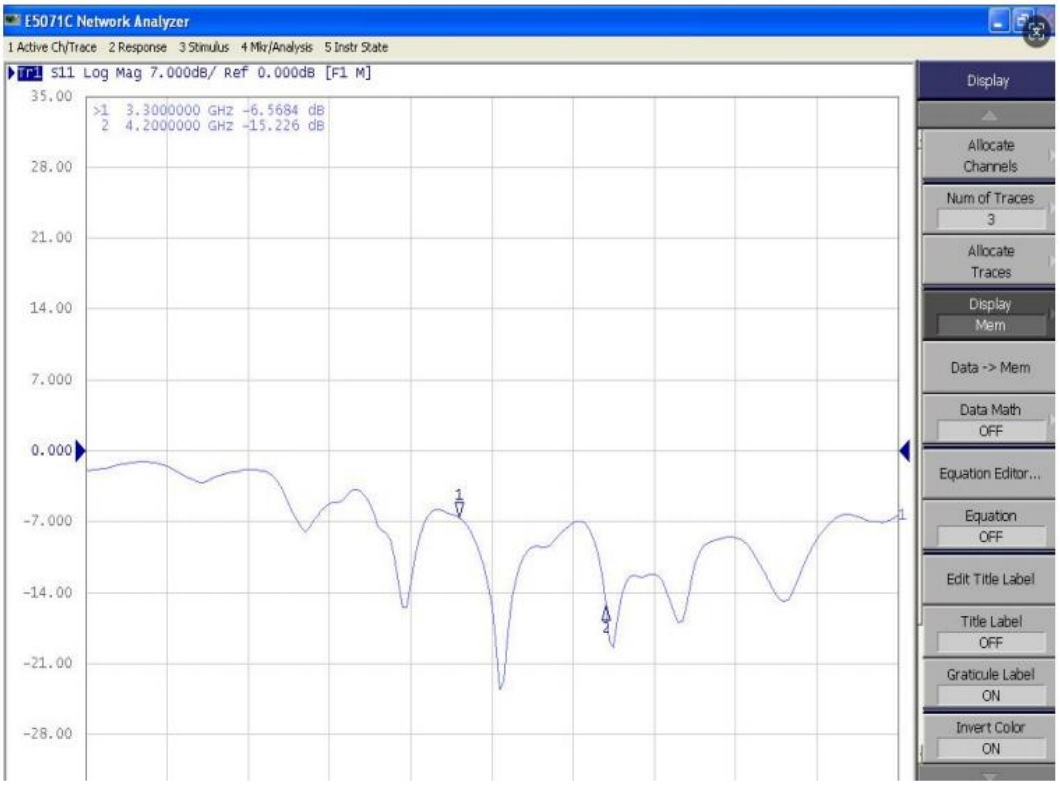
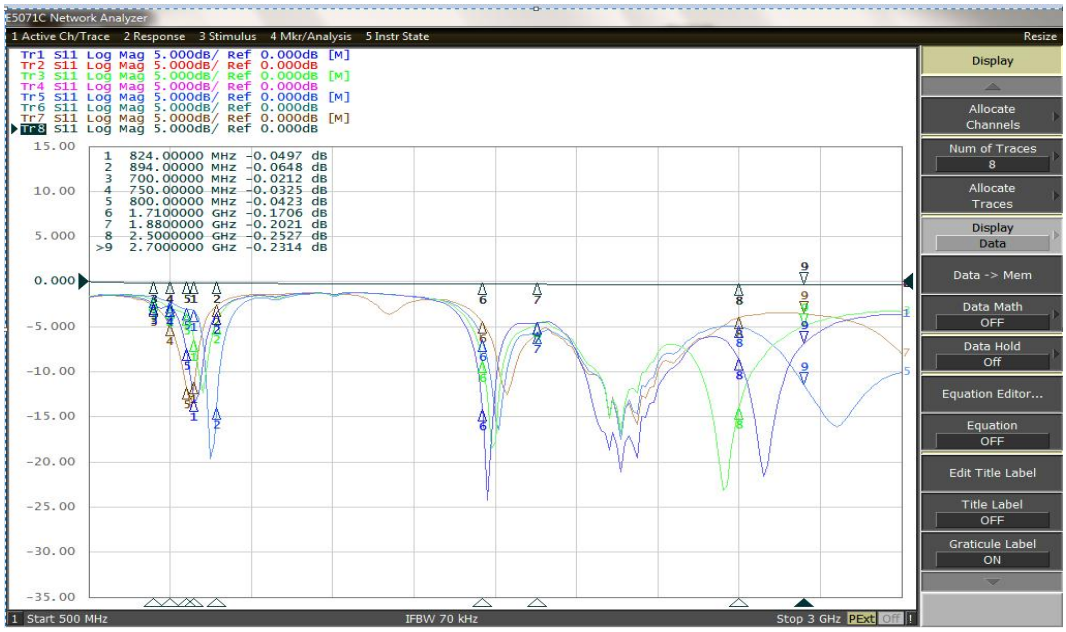
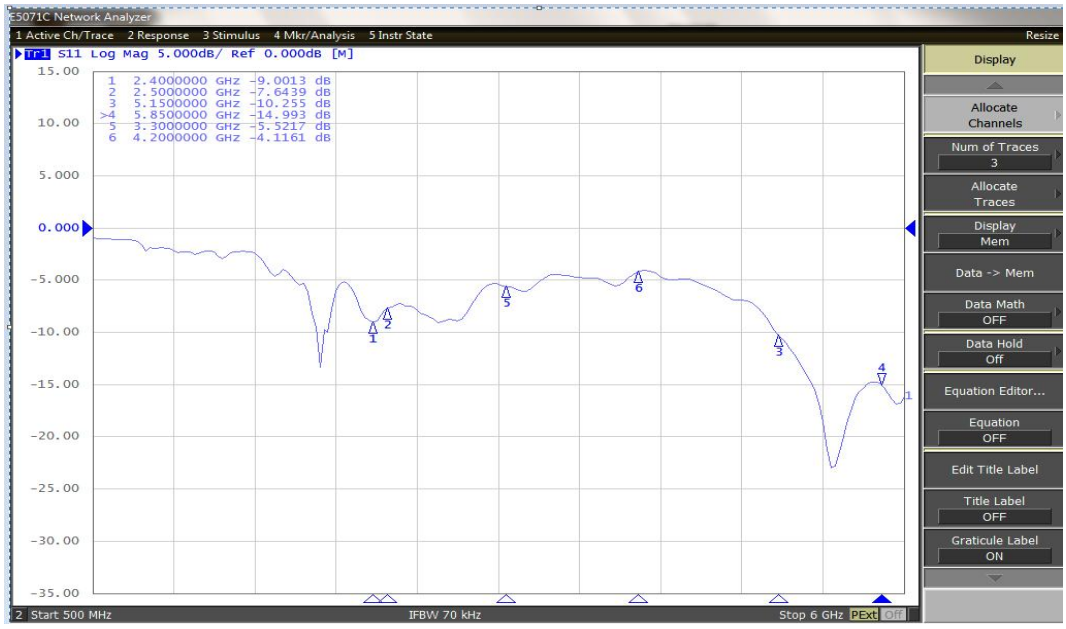


Antenna5



Antenna6



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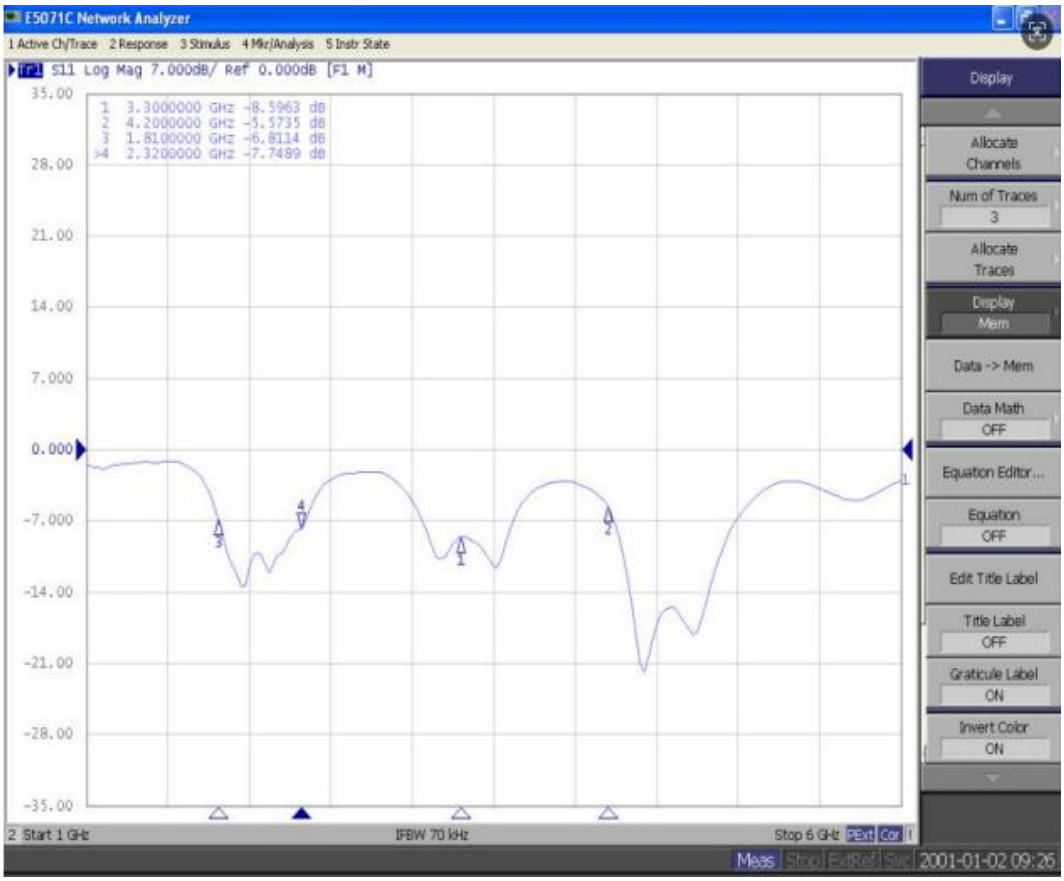
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1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
S11 Log Mag 7.000dB/ Ref 0.000dB [F1 M]
1 3.3000000 GHz -8.5963 dB
2 4.2000000 GHz -5.5735 dB
3 1.8100000 GHz -6.8114 dB
>4 2.3200000 GHz -7.7489 dB
35.00
28.00
21.00
14.00
7.000
0.000
-7.000
-14.00
-21.00
-28.00
-35.00
2 Start 1 GHz
IFBW 70 kHz
Stop 6 GHz
Display
Allocate Channels
Num of Traces
3
Allocate Traces
Display
Mem
Data -> Mem
Data Math
OFF
Equation Editor...
Equation
OFF
Edit Title Label
Title Label
OFF
Graticule Label
ON
Invert Color
ON
Meas
2001-01-02 09:26