
Antenna Data Sheet

Catalogue

- 1. Capability Status**
- 2. Antenna Location**
- 3. Antenna Passive Efficiency**
- 4. Simple Antenna Pattern Plot**
- 5. Antenna return loss**

1. Capability Status

a. Main software and hardware facilities for antenna R&X

Equipment introduction

Shanghai: Satimo:2 GTS1800:3 NFC Micropross:1

SAR DASY 5:1

Shenzhen: GTS1800:1 GTS2800:1 NFC Micropross:1

Xian: GTS2800:1

Beijing: GTS1800:2 GTS2800:1

Kunshan: GTS2800:1 Satimo:2 GTS1800:3

SAR DASY 4:2



Satimo SG24

GTS2800



DASY4/5

NFC

b. Full category testing capability

Support system

GSM/WCDMA/EVDO/TDSCDMA/TDD/FDD/5G-SA/5G-NSA/eMTC/NB-iot/GPS/WiFi/BT/
CA/ENDC

Common equipment

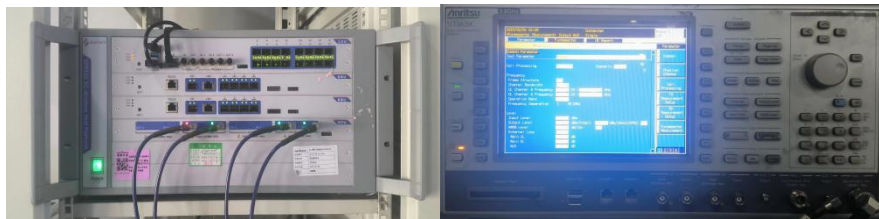
SP9500

Anritsu MT8820C

E5071C

CMW500

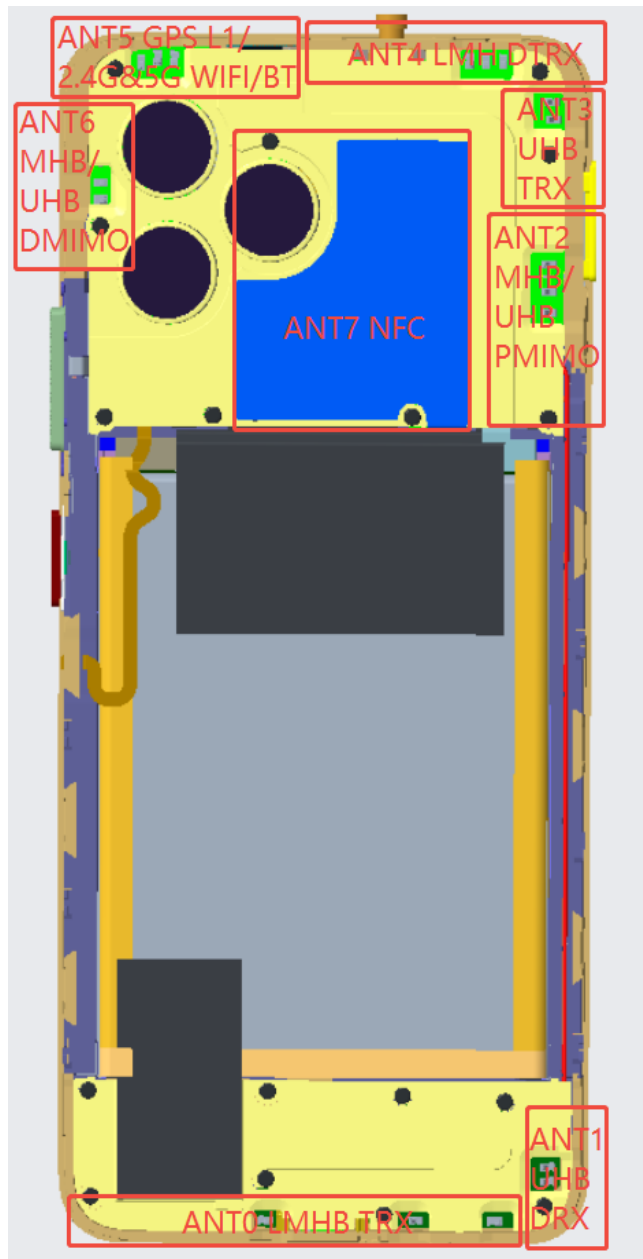
DASY4/5 SAR



StarPointSP9500

Anritsu MT8820C

2. Antenna Location



ANT0:

TX0: WCDMA B2/4/5

LTE B2/4/5/12/14/17/25/30/66/71

NR N2/5/25/30/66/71

PRX: WCDMA B2/4/5

LTE B2/4/5/12/14/17/25/29/66/71

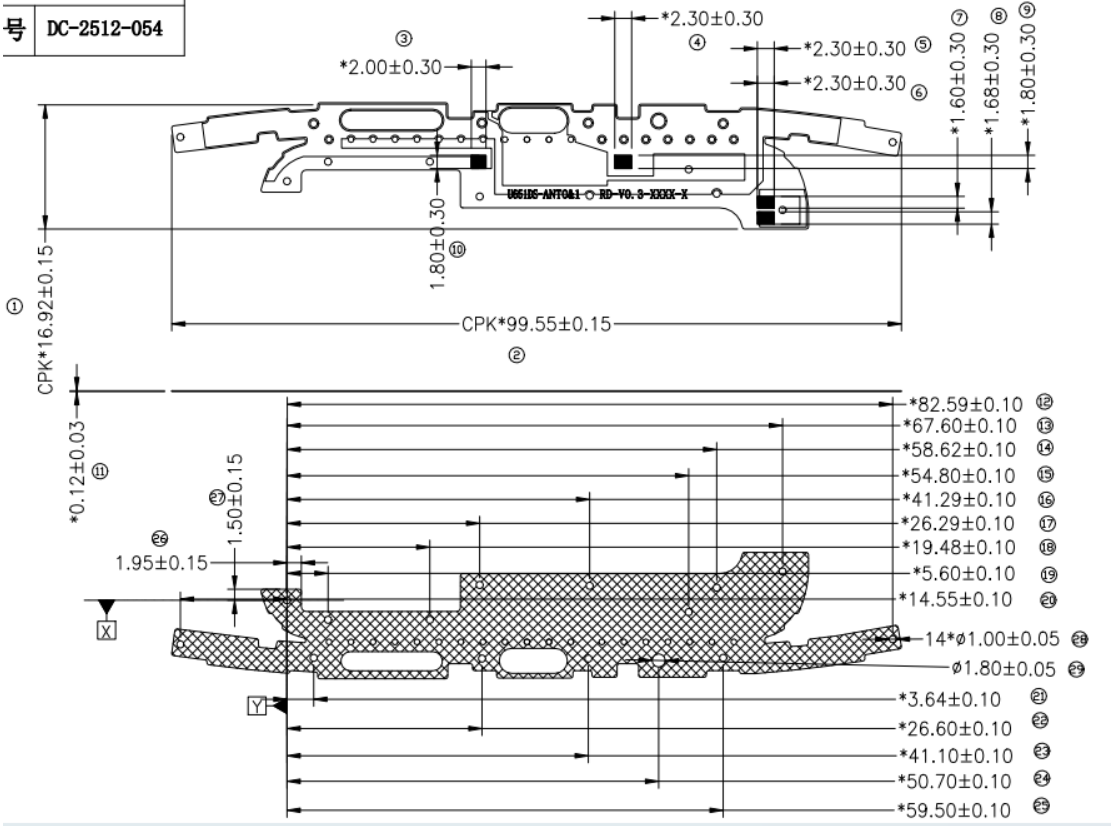
NR N2/5/25/29/66/71

DRX: LTE B30/41

NR N30/41

ANT1:

DRX: N48/77



ANT2:

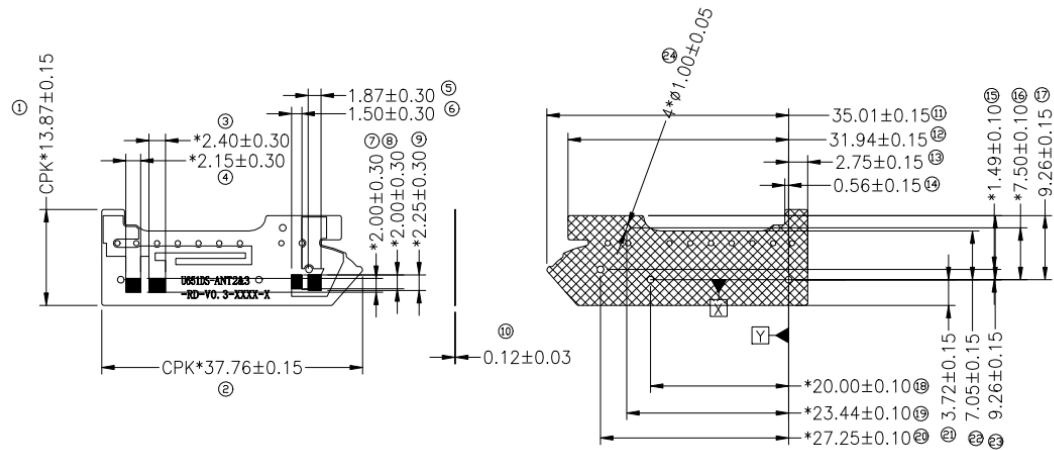
PMIMO: LTE B2/4/41/66

NR N2/25/41/66/48/77

AN3:

TX0: N48/77

PRX: N48/77



AN4:

TX1: LTE B2/30/41/66

NR N2/30/41/66

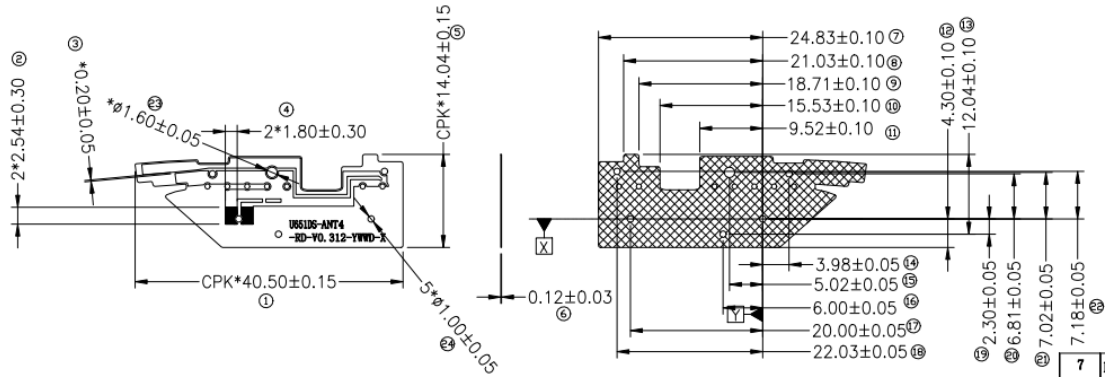
DRX: WCDMA B2/4/5

LTE B2/4/5/12/14/17/25/29/66/71

NR N2/5/25/29/66 /71

PRX: LTE B30/41

NR N30/41



ANT0/1 Model:U651DS-ANT0&1

ANT2/3 Model:U651DS-ANT2&3

ANT4 Model:U651DS-ANT4

ANT0/1/2/3/4/7 Vendor

Name: Etheta Communication Technology (Shenzhen) CO.,Ltd

URL:www.myetheta.com

Tel: 0755-26625028

Fax:0755-26625028

Address: No.401, Building 6, Zhangfeng Road, Oriental Community, Songgang Street, Bao'an District, Shenzhen

ANT5:

WiFi 2.4G&5G

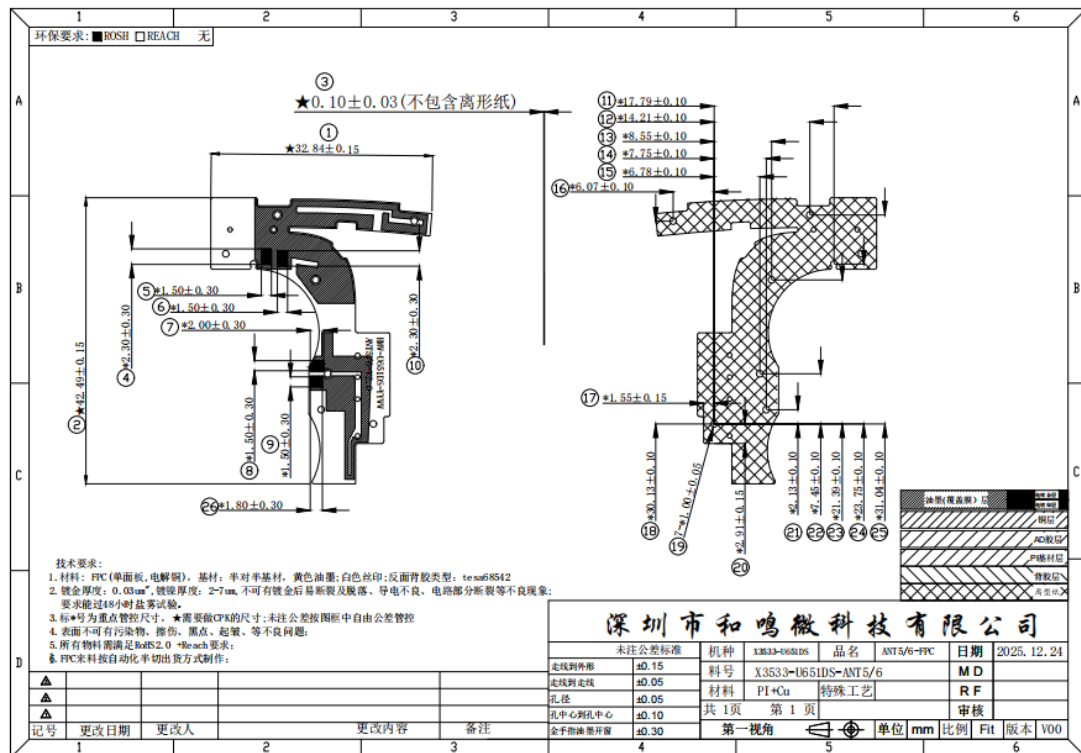
BT

GPS L1

ANT6

DMIMO: LTE B2/4/41/66

NR N2/25/41/66/48/77



ANT5/6 Model:U651DS-ANT5&6

ANT5/6 Vendor

Name: Shenzhen HamyWe Technology Co., Ltd

URL:www.szuhot.com

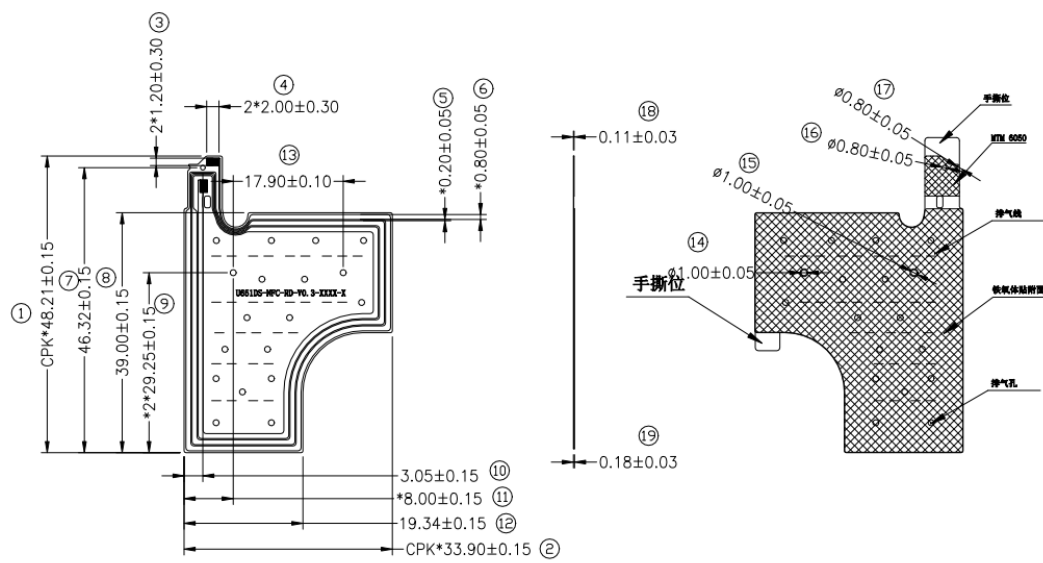
Tel: 0755-36818170

Fax: 0755-36818170

Address: 4th Floor, Building D, Aimet Electric Appliances (Shenzhen), No. 4 Huangfengling Industrial Avenue, Shiyan Street, Bao'an District, Shenzhen City, Guangdong Province

ANT7:

NFC



Model:U651DS-NFC

3. Antenna Passive Efficiency

Antenna 0

Band		Efficiency (dB)	Maximum Gain(dBi)
LTE	Band 2	-5.0	-1.3
	Band 4	-3.5	-0.3
	Band 5	-7.2	-0.7
	Band 12	-5.0	0.1
	Band 14	-5.2	-0.6
	Band 17	-5.0	0.1
	Band 25	-5.0	-1.3
	Band 29	-4.8	0.4
	Band 30	-3.7	1.1
	Band 41	-6.0	-1.6
	Band 66	-3.5	-0.3
	Band 71	-5.4	0.9
WCDMA	Band 2	-5.0	-1.3
	Band 4	-3.5	-0.3
	Band 5	-7.2	-0.7
NR	Band 2	-5.0	-1.3
	Band 5	-7.2	-0.7
	Band 25	-5.0	-1.3
	Band 29	-4.8	0.4
	Band 30	-3.7	1.1
	Band 66	-3.5	-0.3
	Band 41	-6.0	-1.6

	Band 71	-5.4	0.9
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Antenna1

Band		Efficiency (dB)	Maximum Gain(dBi)
NR	Band 48	-5.1	0.8
	Band 77	-5.7	0.8

Antenna2

Band		Efficiency (dB)	Maximum Gain (dBi)
LTE	Band 2	-8.8	-1.9
	Band 4	-8.1	-1.1
	Band 41	-8.4	-1.4
	Band 66	-8.1	-1.1
NR	Band 2	-8.8	-1.9
	Band 25	-8.8	-1.9
	Band 41	-8.4	-1.4
	Band 66	-8.1	-1.1
	Band 48	-6.7	-1.2
	Band 77	-7.0	-1.2

Antenna3

Band	Efficiency	Maximum
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		(dB)	Gain (dBi)
NR	Band 48	-4.0	0.92
	Band 77	-4.7	0.92

Antenna4

Band		Efficiency (dB)	Maximum Gain (dBi)
LTE	Band 2	-5.3	-0.1
	Band 4	-8.1	-2.6
	Band 5	-9.6	-4.3
	Band 12	-10.0	-5.2
	Band 14	-9.8	-5.2
	Band 17	-10.0	-5.2
	Band 25	-5.3	-0.1
	Band 29	-9.7	-5.0
	Band 30	-4.6	0.5
	Band 41	-4.9	0.2
	Band 66	-8.1	-2.6
	Band 71	-10.6	-4.8
WCDMA	Band 2	-5.3	-0.1
	Band 4	-8.1	-2.6
	Band 5	-9.6	-4.3
NR	Band 2	-5.3	-0.1
	Band 5	-9.6	-4.3
	Band 25	-5.3	-0.1

	Band 29	-9.7	-5.0
	Band 30	-4.6	0.5
	Band 66	-8.1	-2.6
	Band 41	-4.9	0.2
	Band 71	-10.6	-4.8

Antenna5

Band		Efficiency (dB)	Maximum Gain (dBi)
WIFI	2.4G	-3.06	2.2
	5G	-2.65	3.12
GPS		-3.4	3.4

Antenna6

Band		Efficiency (dB)	Maximum Gain (dBi)
LTE	Band 2	-7.2	-2.7
	Band 4	-6.0	-0.1
	Band 41	-12.6	-7.2
	Band 66	-5.9	-0.1
NR	Band 2	-7.2	-2.6
	Band 25	-7.0	-2.7
	Band 41	-12.6	-7.2
	Band 66	-5.9	-0.1
	Band 48	-6.7	0.4

	Band 77	-6.5	1.1
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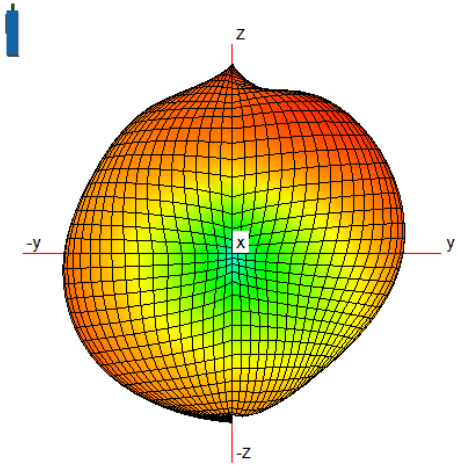
Antenna7 NFC

The devices does not support the test of NFC gain. In addition, all measurements were performed radiated and therefore additional antenna gain documentation is not required.

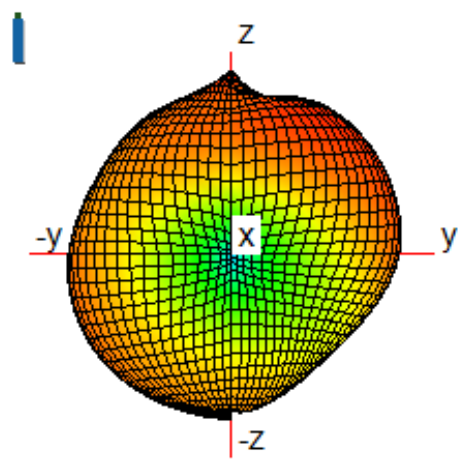
4.Simple Antenna Pattern Plot

Antenna 0

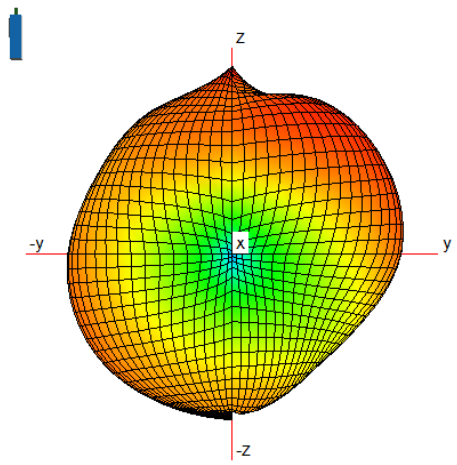
B2/5/30/41/66



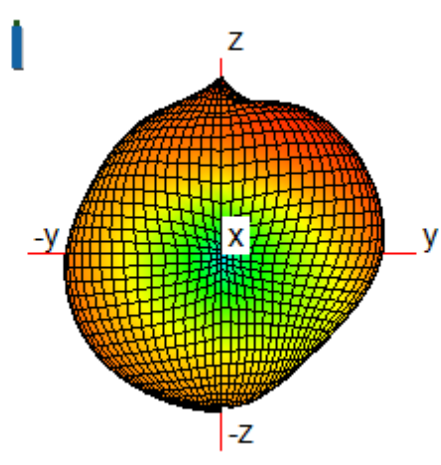
B14



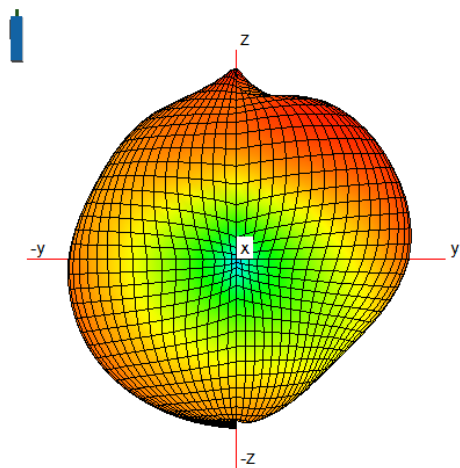
B12/17



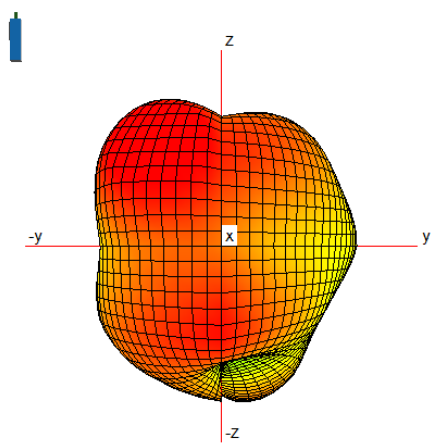
B29



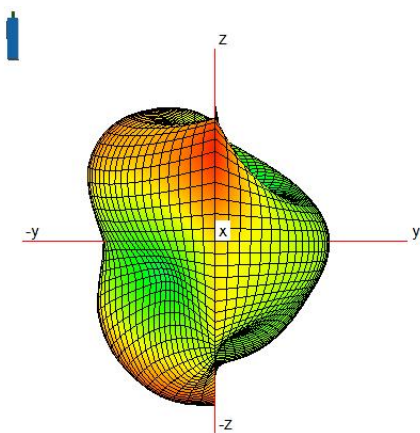
B71



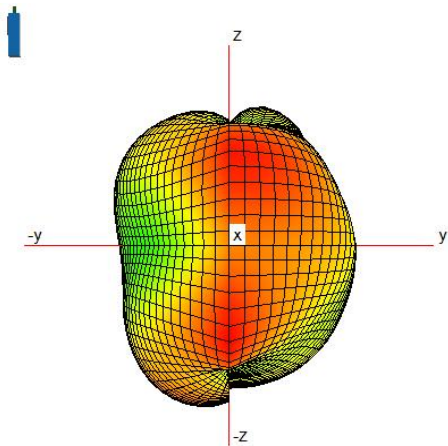
Antenna 1



Antenna 2

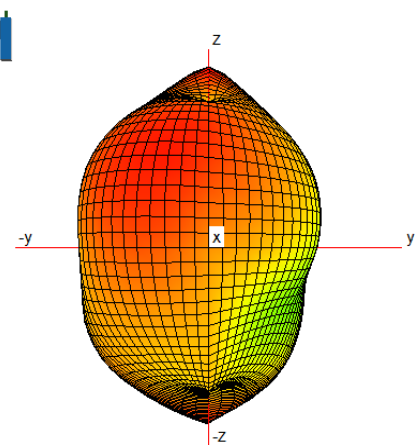


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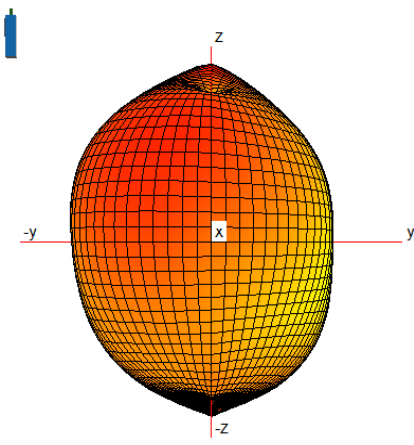


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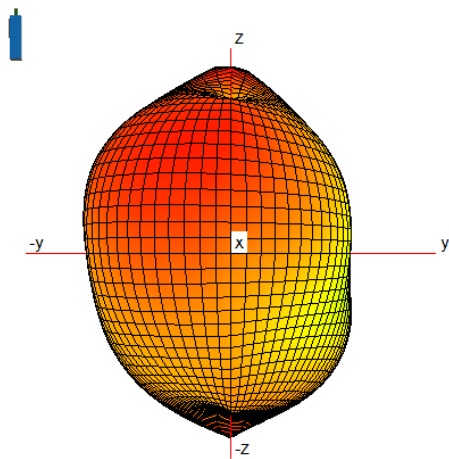
B5/66



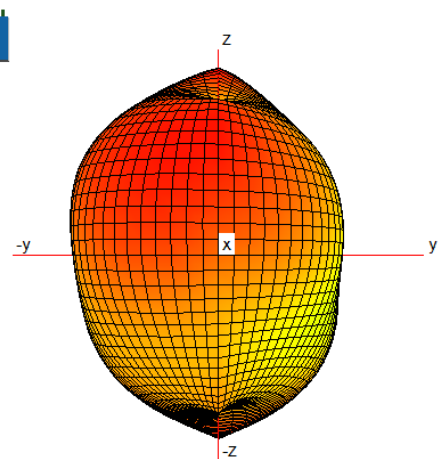
B14/2/41



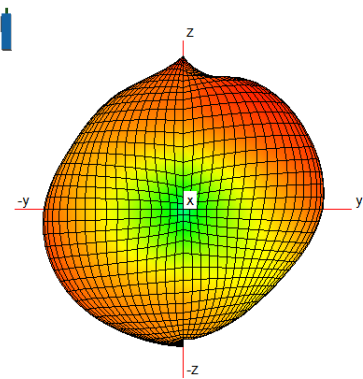
B2/17/30



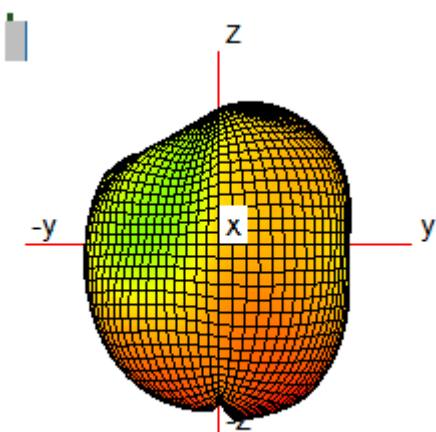
B29



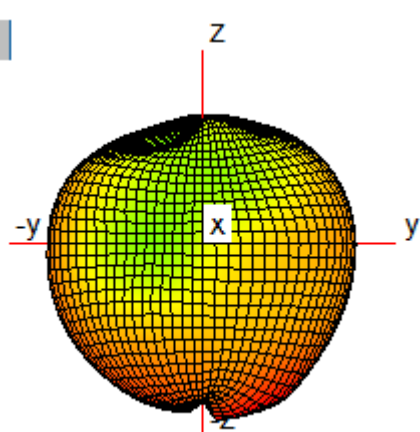
B71



Antenna 5

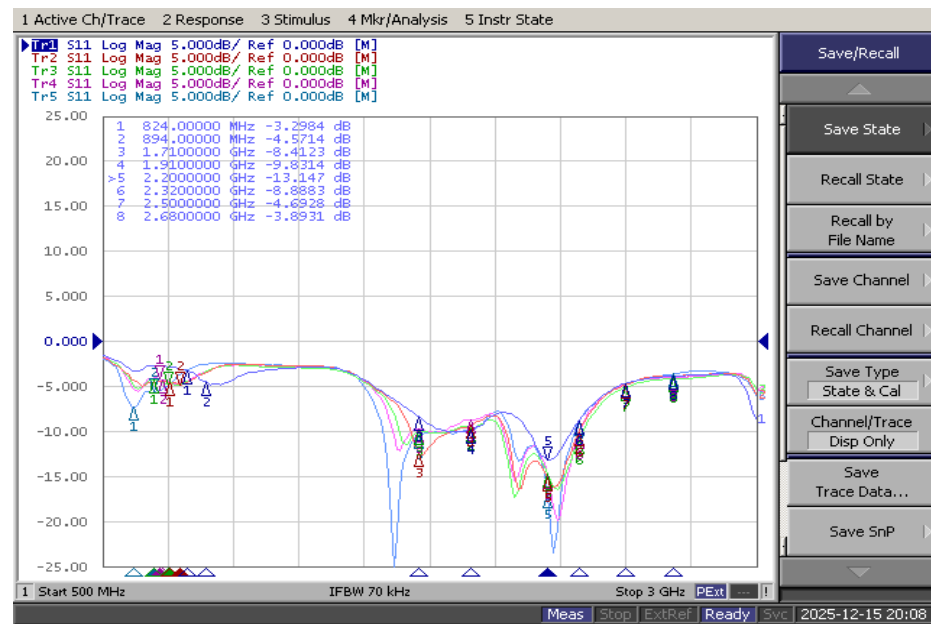


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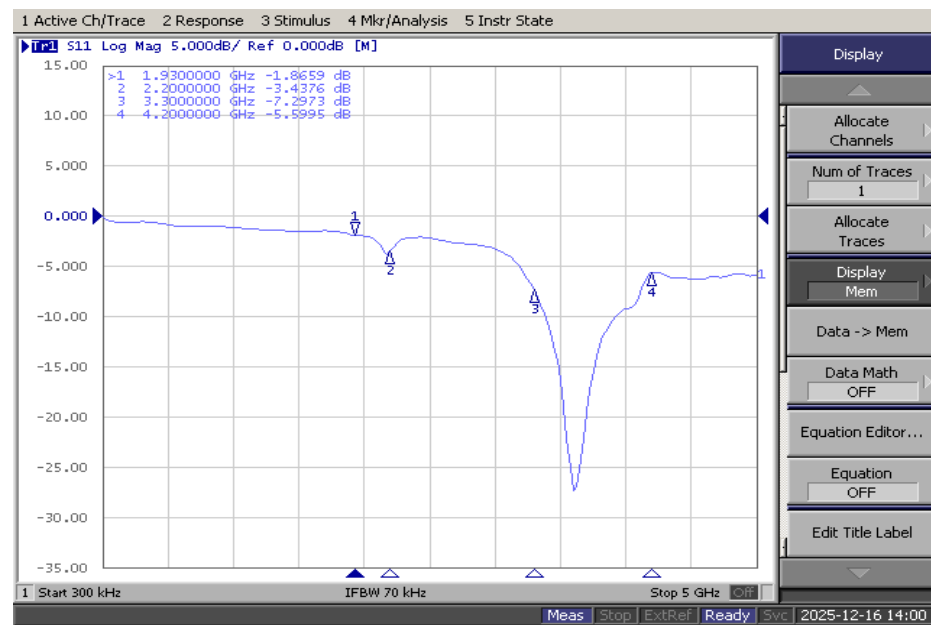


4. Antenna return loss

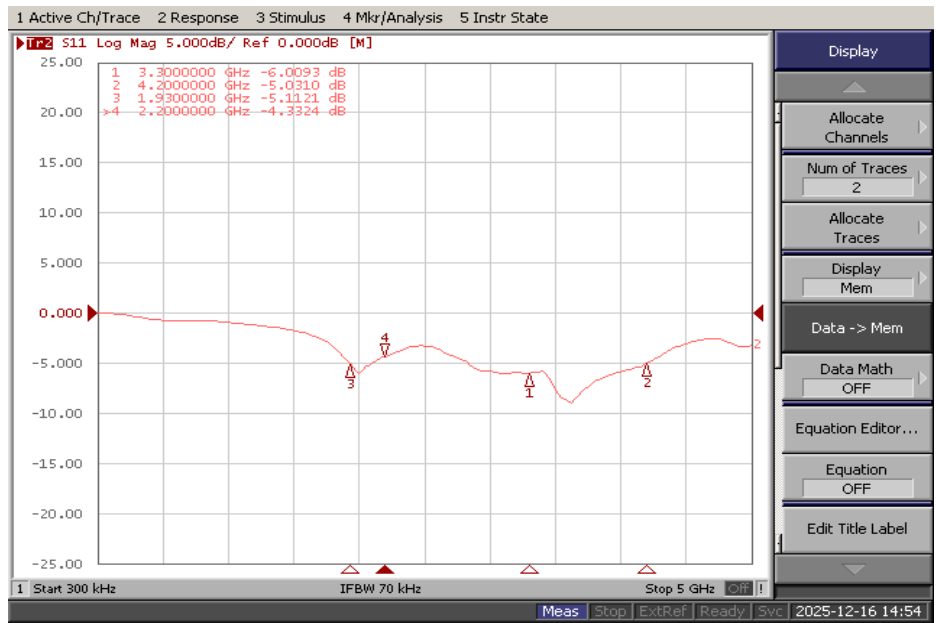
Antenna 0



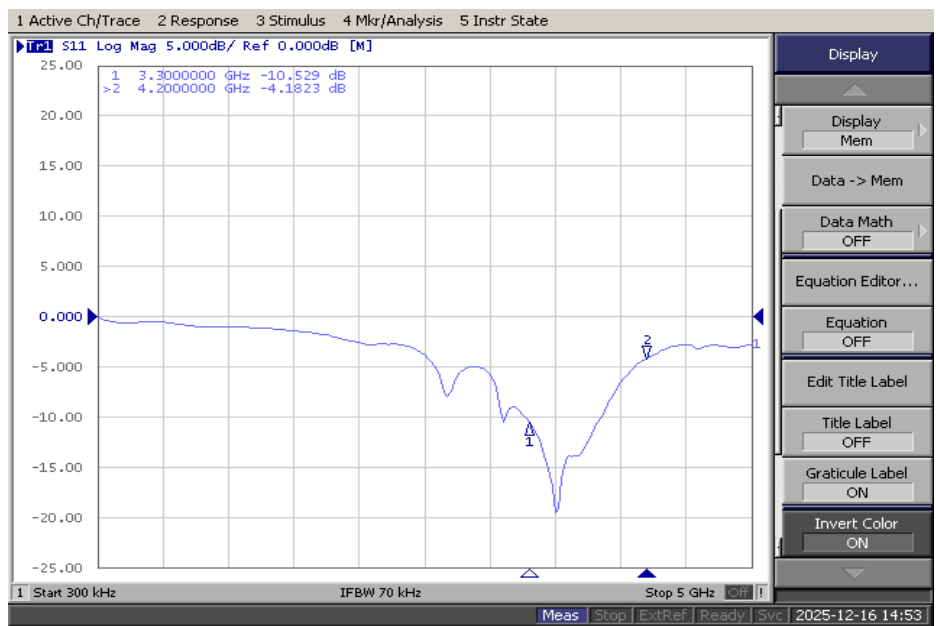
Antenna 1



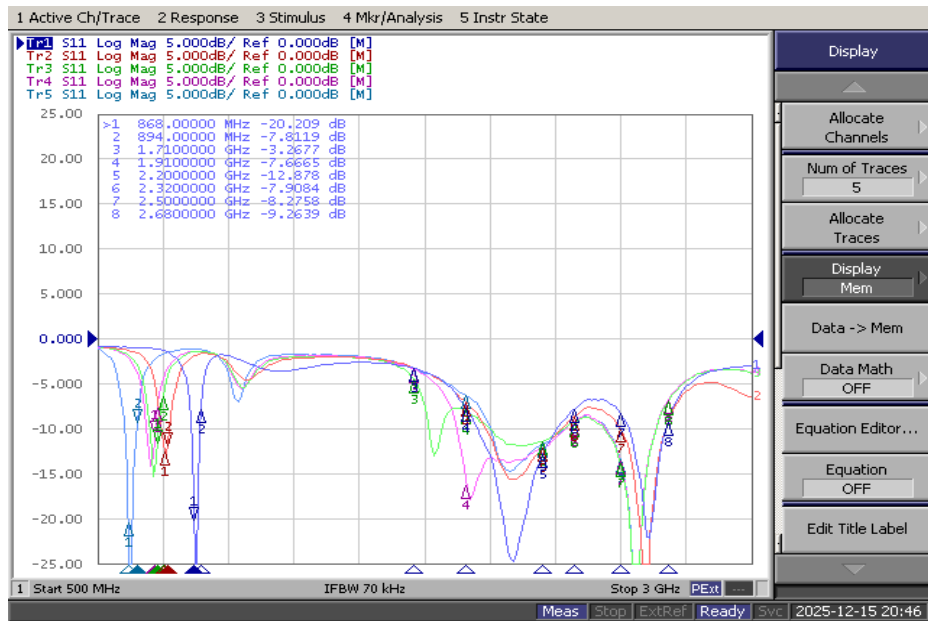
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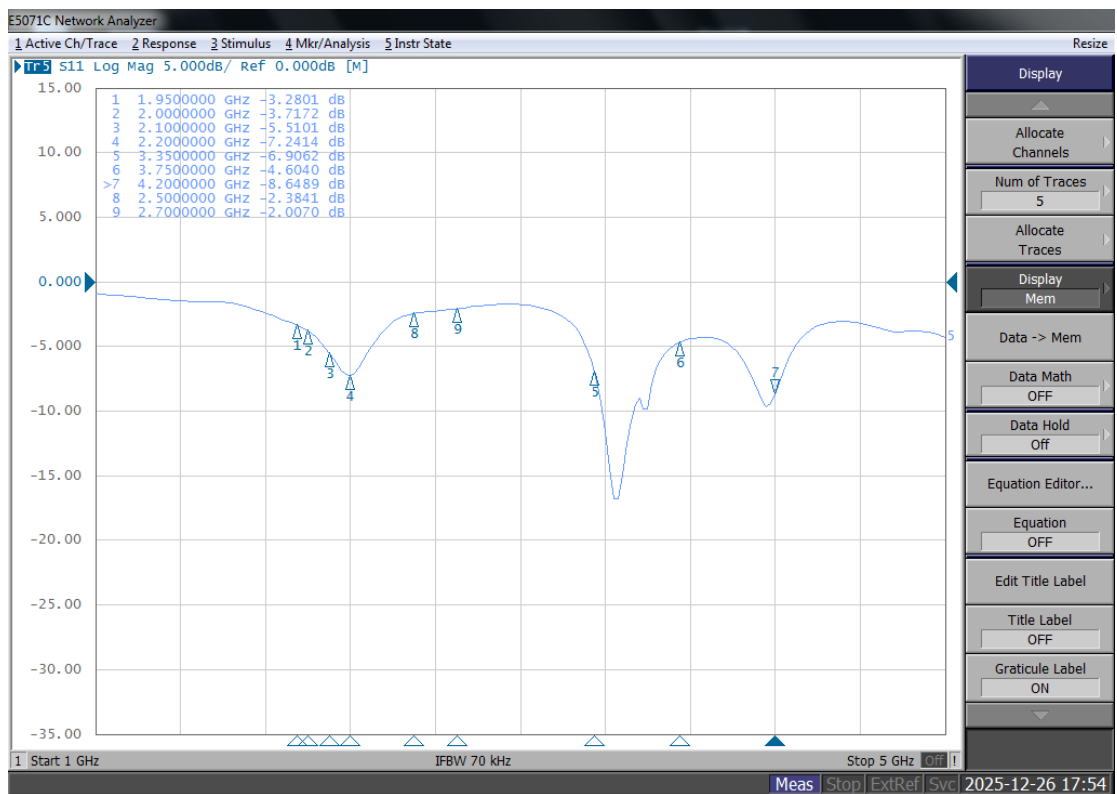
Antenna 3



Antenna4



Antenna5



Antenna6

