
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 RX

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

Chongqing: GTS1800:2 GTS2800:1



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

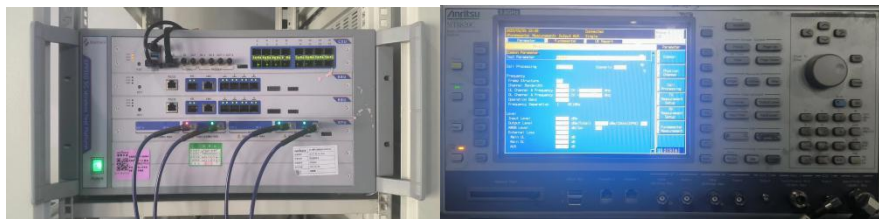
SP9500

Anritsu MT8820C

E5071C

CMW500

DASY4/5 SAR



StarPointSP9500

Anritsu MT8820C

2. **Antenna Location**

ANT0: 3G:WCDMA B1/2/4/5/8 TRX

4G:LTE B2/3/4/5/7/12/14/20/29/30/66 TRX, 5G:NR N2/5/14/30/66/70/71 TRX

ANT1: 5G:NR N77 DRX

ANT2:4G:LTE B2/4/30/66 PRX-MIMO

5G NR: N2/66/30/70/77 PRX-MIMO

ANT3: 5G:NR N77 TRX

ANT4: 3G:WCDMA B1/2/4/5/8 DRX

4G:LTE B2/3/4/5/7/12/14/20/29/30/66 TRX, 5G:NR N2/5/14/30/66/70/71 TRX

ANT5: 2.4G&5GWIFI TRX,GPS RX

ANT6: 4G:LTE B2/4/30/66 DRX-MIMO

5G NR: N2/66/30/70/77 DRX-MIMO

Antenna pattern is shown in the attachment

Antenna Vendor

ANT0/1/6/7

Shenzhen HamyWe Technology Co., Ltd.

Website:<http://www.hamywe.com/>

Tel: 0755-23088181/0755-36818170

Fax : 0755-36818170

Address:: 4th Floor, Building D, Airmate Electrical Appliances Company (East Jianxing Road), Jianxing Road, Bao'an District, Shenzhen, Guangdong Province

Antenna model number: HMW- U662

ANT3/4/5

manufacturer: Kunshan Ruixiang Xun Communication Technology Co., LTD

Website:www.innowave.cn

Address:Building C, 1689 Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province.

Antenna model number: RX-U662

3. Antenna Passive Efficiency

A. Antenna0

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
WCDMA	Band 1	-4.52dBi	-3.57dBi	1.22dBi	2.81dBi
	Band 2	-4.39dBi	-5.12dBi	0.14dBi	0.93dBi
	Band 4	-4.49dBi	-3.11dBi	-0.7dBi	1.97dBi
	Band 5	-7.04dBi	-7.42dBi	-3.32dBi	-3.24dBi
	Band 8	-11.52dBi	-7.13dBi	-7.12dBi	-2.97dBi
LTE	Band 2	-4.39dBi	-5.12dBi	0.14dBi	0.93dBi
	Band 3	-4.52dBi	-4.26dBi	0.12dBi	1.63dBi
	Band 4	-4.49dBi	-3.11dBi	-0.7dBi	1.97dBi
	Band 5	-7.04dBi	-7.42dBi	-3.32dBi	-3.24dBi
	Band 7	-7.01dBi	-8.22dBi	-3.02dBi	-2.28dBi
	Band 12	-7.2dBi	-7.29dBi	-4.32dBi	-3.89dBi
	Band 14	-6.87dBi	-7.9dBi	-3.59dBi	-4.51dBi
	Band 20	-7.44dBi	-7.04dBi	-4.38dBi	-3.32dBi
	Band 29	/	-9.77dBi	/	-6.67dBi
	Band 30	-5.93dBi	-4.06dBi	-3.17dBi	-1.08dBi
NR	Band 66	-4.65dBi	-3.26dBi	-0.87dBi	1.75dBi
	Band 2	-4.39dBi	-5.12dBi	0.14dBi	0.93dBi
	Band 5	-7.04dBi	-7.42dBi	-3.32dBi	-3.24dBi
	Band 14	-6.87dBi	-7.9dBi	-3.59dBi	-4.51dBi
	Band 66	-4.65dBi	-3.26dBi	-0.87dBi	1.75dBi
	Band 30	-5.93dBi	-4.06dBi	-3.17dBi	-1.08dBi
	Band 70	-4.49dBi	-4.97dBi	-0.71dBi	1.72dBi
NR	Band 71	-7.86dBi	-7.19dBi	-4.85dBi	-4.53dBi

B.Antenna1

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
NR	Band 77	-4.62dBi	-4.62dBi	0.77dBi	0.77dBi

C.Antenna2

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
LTE	Band 2	/	-8.43dBi	/	-5.63dBi
	Band 4	/	-8.7dBi	/	-4.57dBi
	Band 30	/	-9.43dBi	/	-4.35dBi
	Band 66	/	-8.59dBi	/	-3.95dBi
NR	Band 2	/	-8.43dBi	/	-5.63dBi
	Band 66	/	-8.59dBi	/	-3.95dBi
	Band 30	/	-9.43dBi	/	-4.35dBi
	Band 70		-7.98dBi		-4.02dBi
	Band 77	/	-7.86dBi	/	1.65dBi

D.Antenna3

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
NR	Band 77	-7.53dBi	-7.53dBi	-2.12dBi	-2.12dBi

E.Antenna4

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
WCDMA	Band 1	/	-7.07dBi	/	0.97dBi
	Band 2	/	-4.05dBi	/	2.53dBi
	Band 4	/	-7.07dBi	/	-0.97dBi
	Band 5	/	-9.89dBi	/	-5.86dBi
	Band 8	/	-9.82dBi	/	-5.52dBi
LTE	Band 2	-7.81dBi	-4.05dBi	0.44dBi	2.53dBi
	Band 3	/	-4.11dBi	/	1.58dBi
	Band 4	/	-7.07dBi	/	-0.97dBi
	Band 5	/	-9.89dBi	/	-5.86dBi
	Band 7	/	-8.89dBi	/	-1.45dBi
	Band 12	/	-9.17dBi	/	-6.35dBi
	Band 14	/	-9.66dBi	/	-6.33dBi
	Band 20	/	-16.51dBi	/	-12.78dBi
	Band 29	/	-9.63dBi	/	-6.48dBi

	Band 30	-6.87dBi	-6.31dBi	-3.21dBi	-1.01dBi
	Band 66	-5.74dBi	-7.81dBi	0.51dBi	0.44dBi
NR	Band 2	-7.81dBi	-4.05dBi	0.44dBi	2.53dBi
	Band 5	/	-9.89dBi	/	-5.86dBi
	Band 14	/	-9.66dBi	/	-6.33dBi
	Band 66	-5.74dBi	-7.81dBi	0.51dBi	0.44dBi
	Band 30	/	-6.31dBi	/	-1.01dBi
	Band 70	/	-5.73dBi	/	1.85dBi
	Band 71	/	-8.54dBi	/	-5.04dBi

F.Antenna5

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
GPS	L1	/	-3.41dBi	/	2.29dBi
WIFI	2.4G	-4.35dBi	-4.35dBi	1.74dBi	1.74dBi
	5G	-5.46dBi	-5.46dBi	0.61dBi	0.61dBi

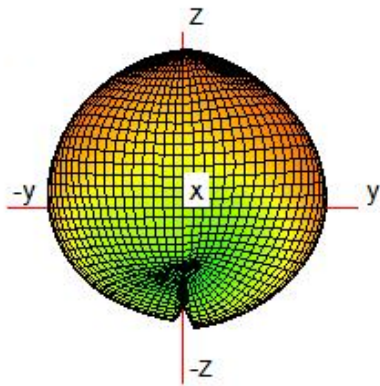
G.Antenna6

Band		Average Gain		Maximum Gain	
		TX	RX	TX	RX
LTE	Band 2	/	-7.79dBi	/	-1.88dBi
	Band 4	/	-4.91dBi	/	0.54dBi
	Band 30	/	-6.19dBi	/	-1.48dBi
	Band 66	/	-5.0dBi	/	0.62dBi
NR	Band 2	/	-7.79dBi	/	-1.88dBi
	Band 66	/	-5.0dBi	/	0.62dBi
	Band 30	/	-6.19dBi	/	-1.48dBi
	Band 70	/	-5.54dBi	/	0.13dBi
	Band 77	/	-6.18dBi	/	0.72dBi

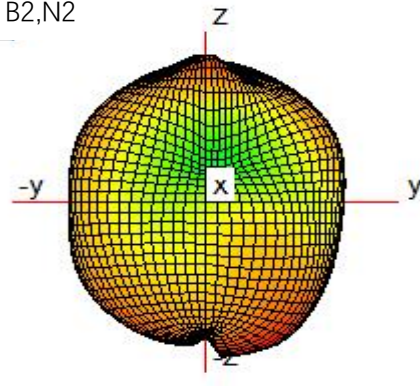
4.Simple Antenna Pattern Plot

Antenna 0

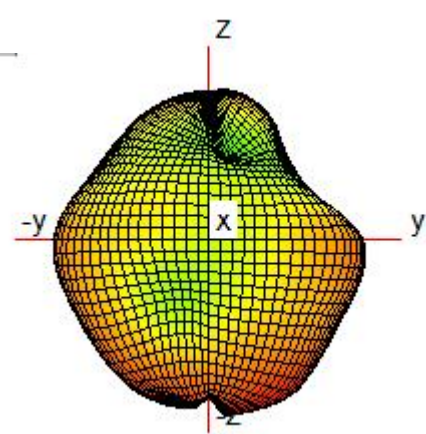
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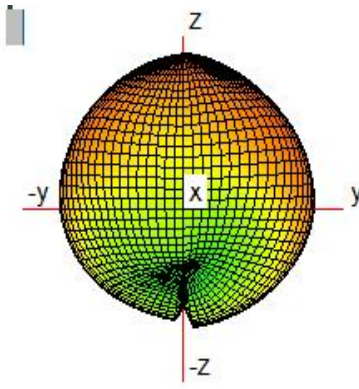
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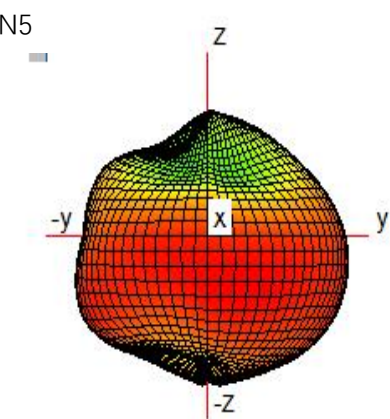
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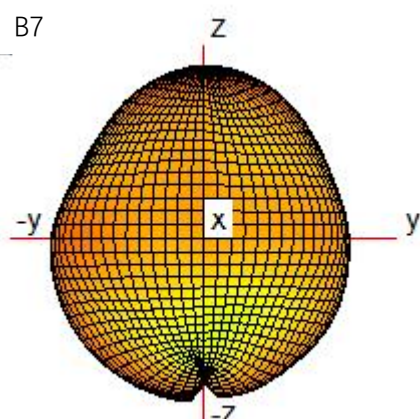
B4/66,N66



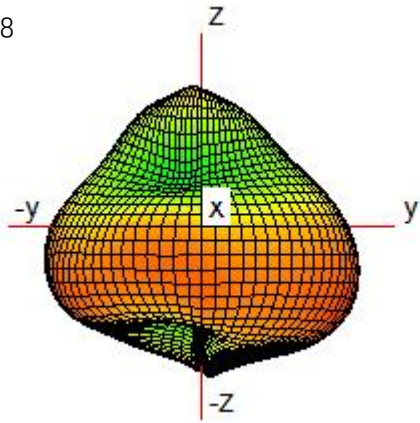
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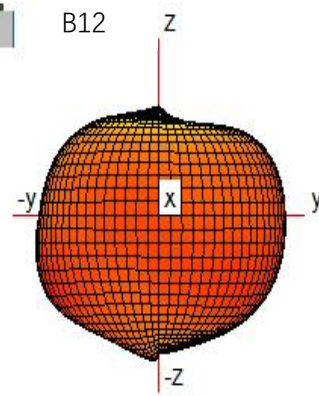
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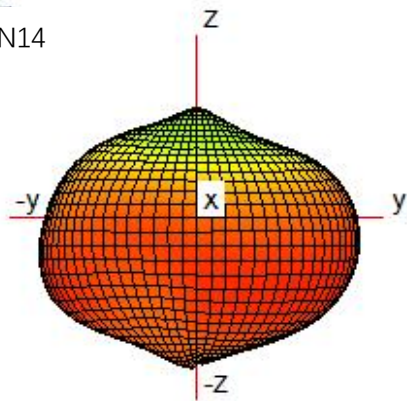
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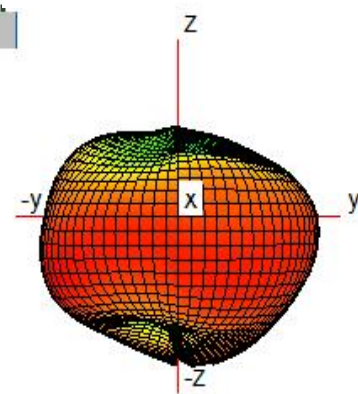
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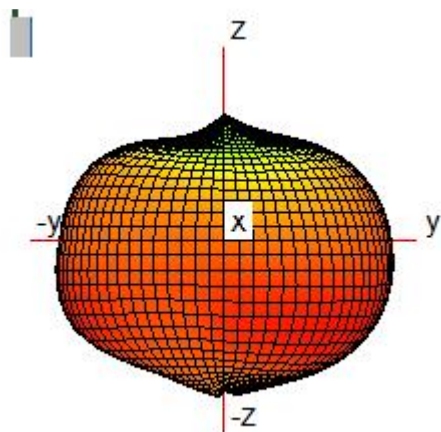
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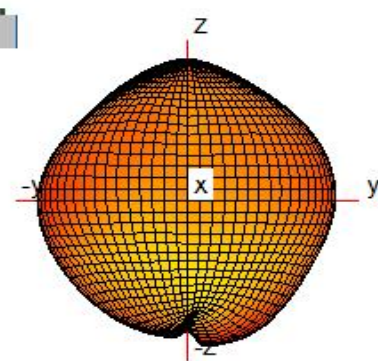
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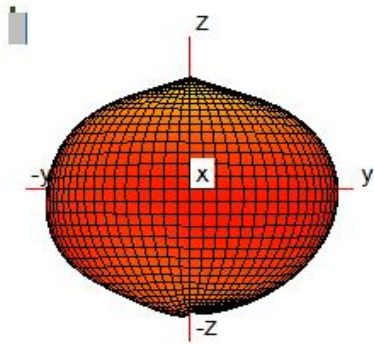
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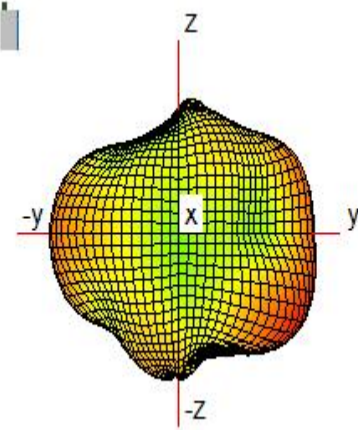
N30



N71

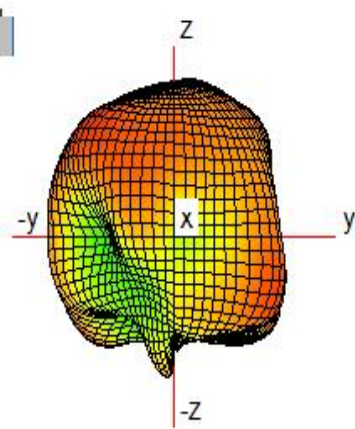


N70



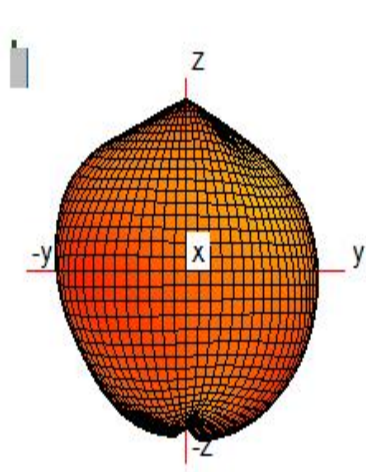
Antenna 1

N77

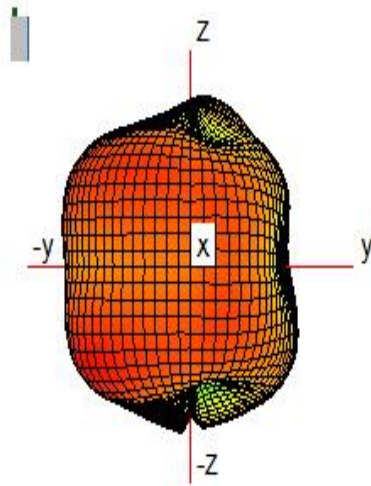


Antenna 2

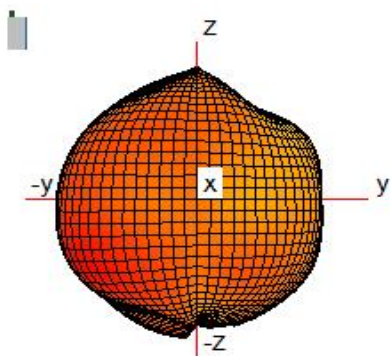
B2.N2



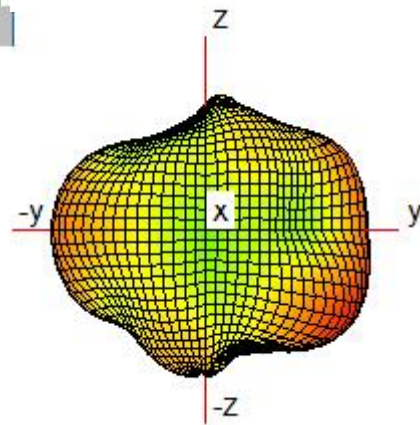
B4/66.N6



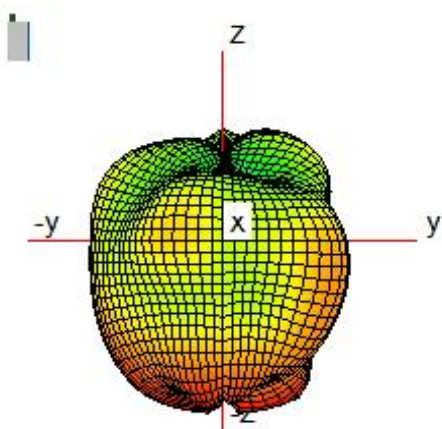
B30.N30



N70

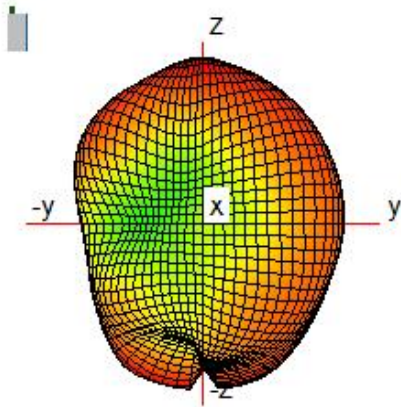


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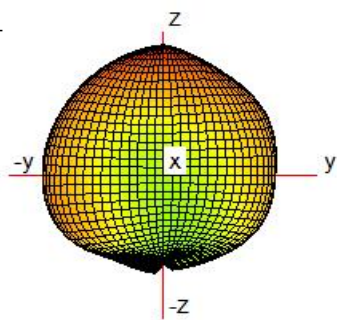
Antenna3

N77

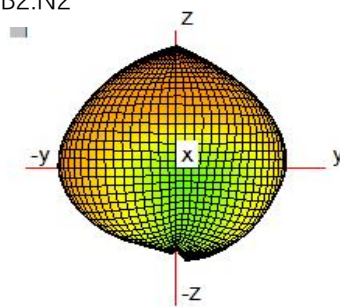


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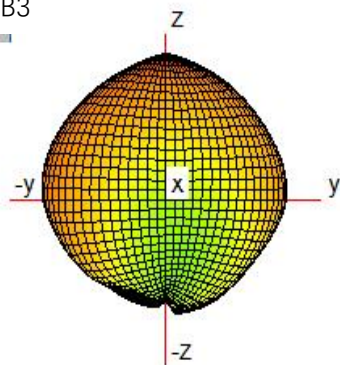
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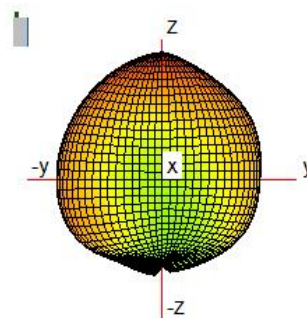
B2.N2



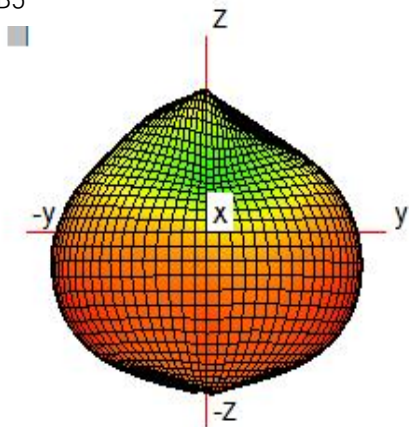
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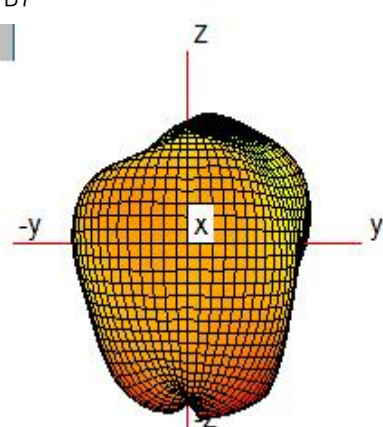
B4/66,N66



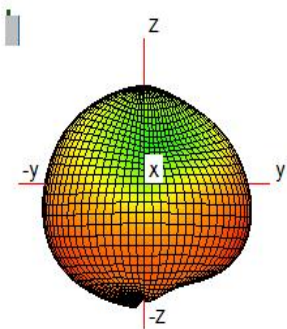
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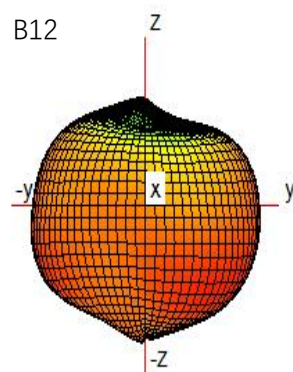
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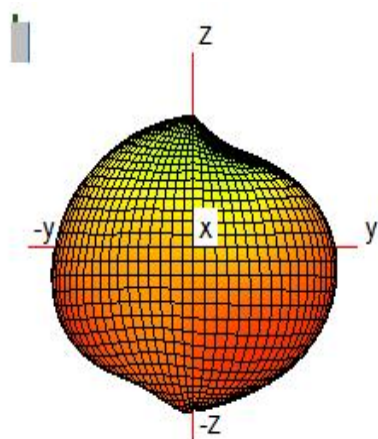
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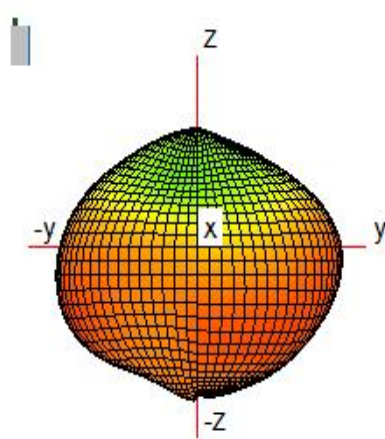
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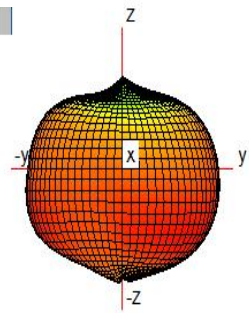
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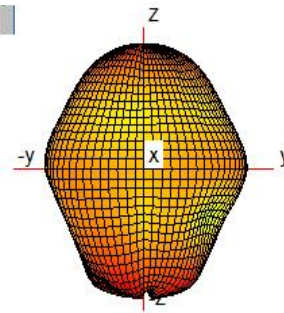
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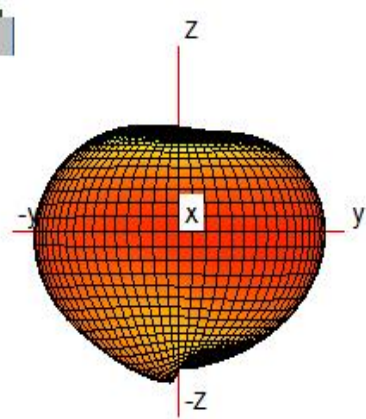
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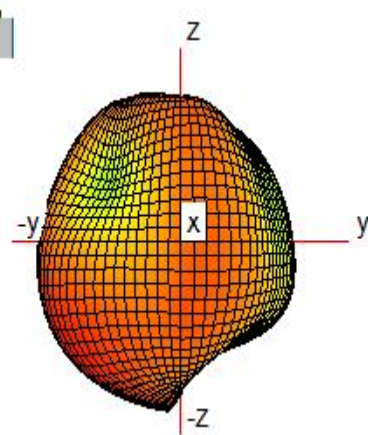
B30,N30



N71

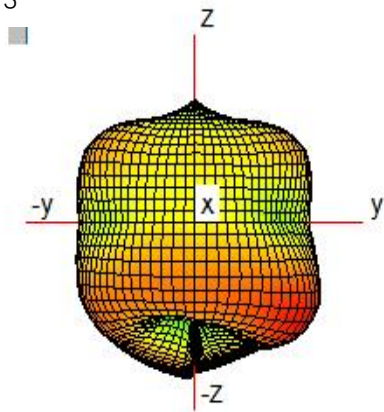


N70

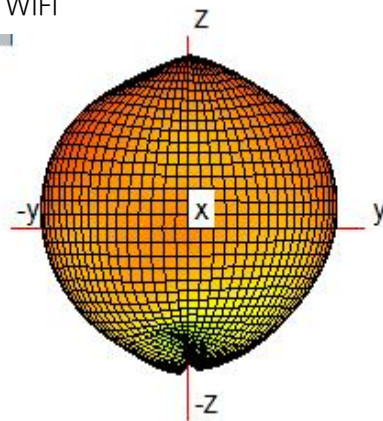


Antenna 5

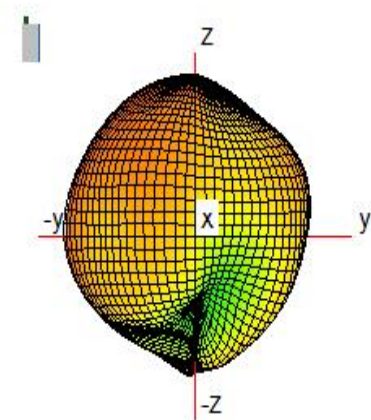
GPS



2.4G WIFI

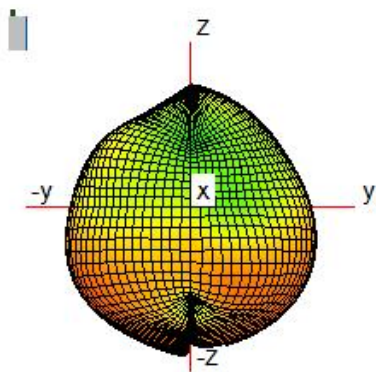


5G WIFI

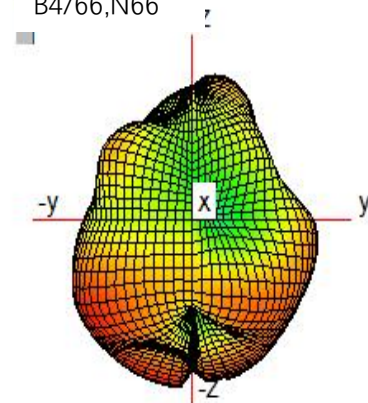


Antenna 6

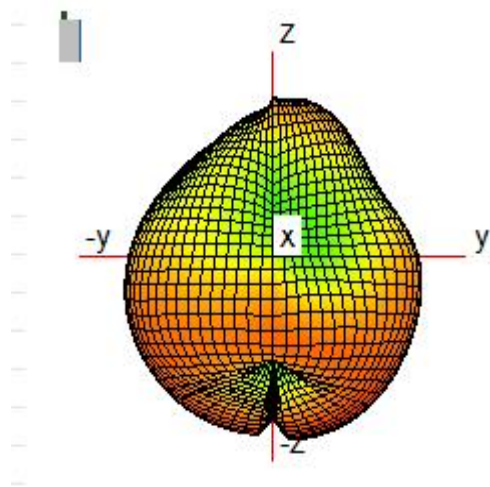
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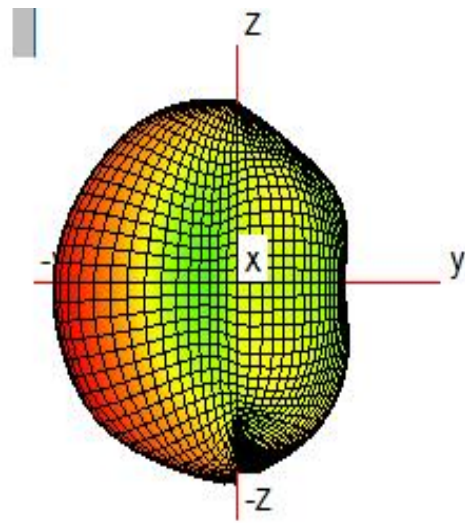
B4/66,N66



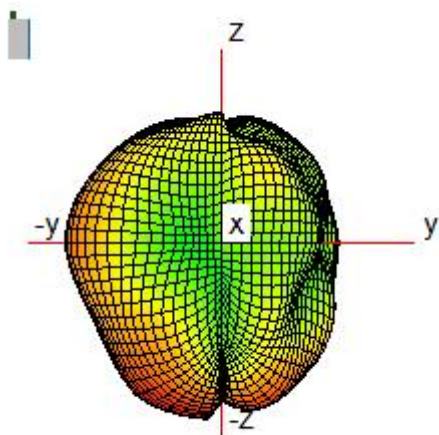
B30,N30



N70

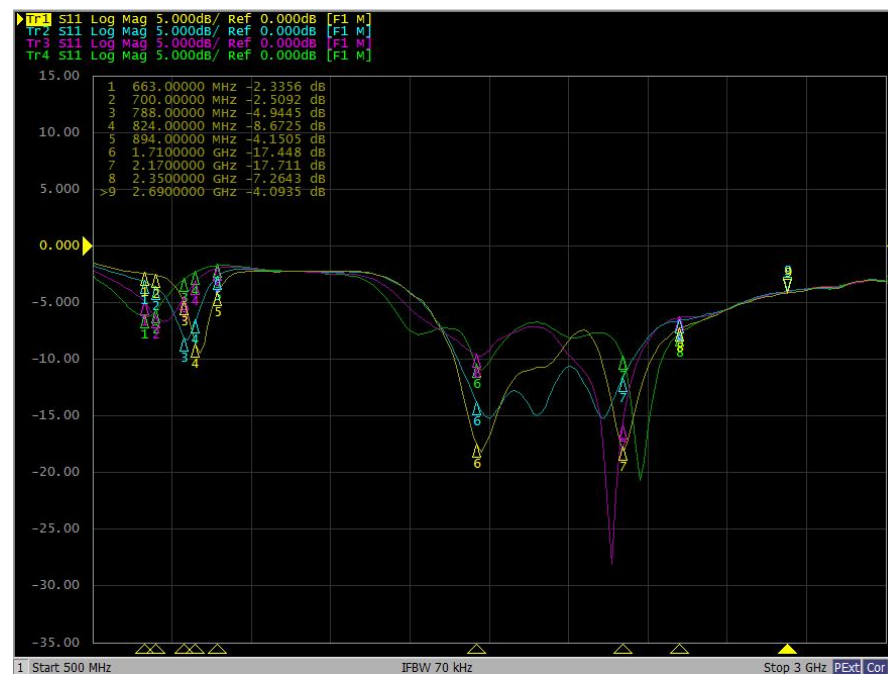


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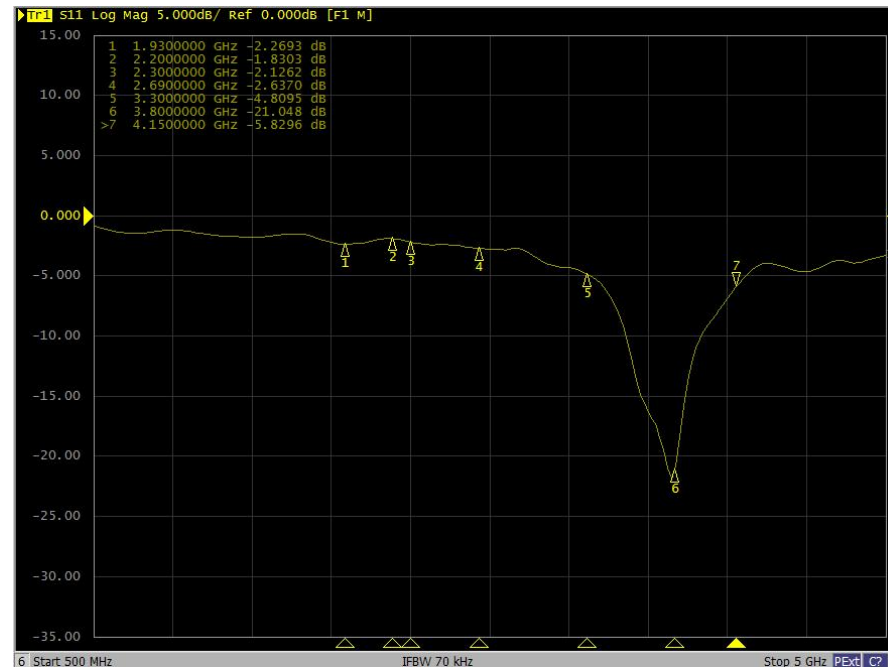


4. Antenna return loss

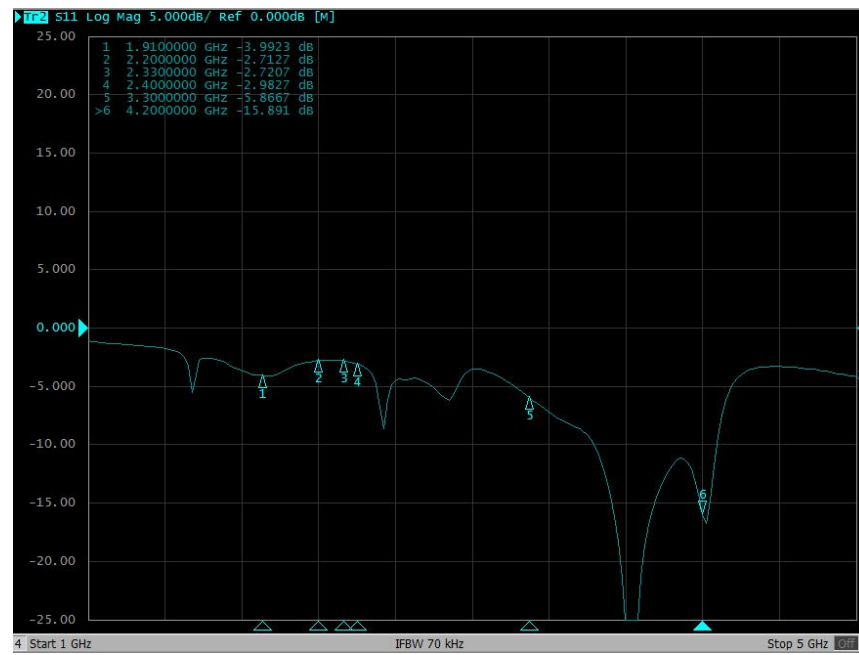
Antenna 0



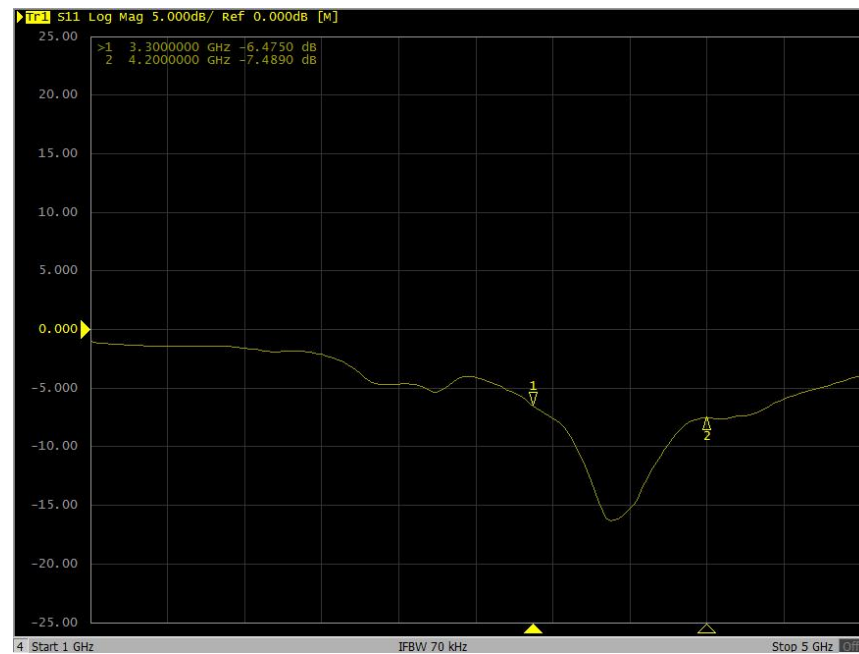
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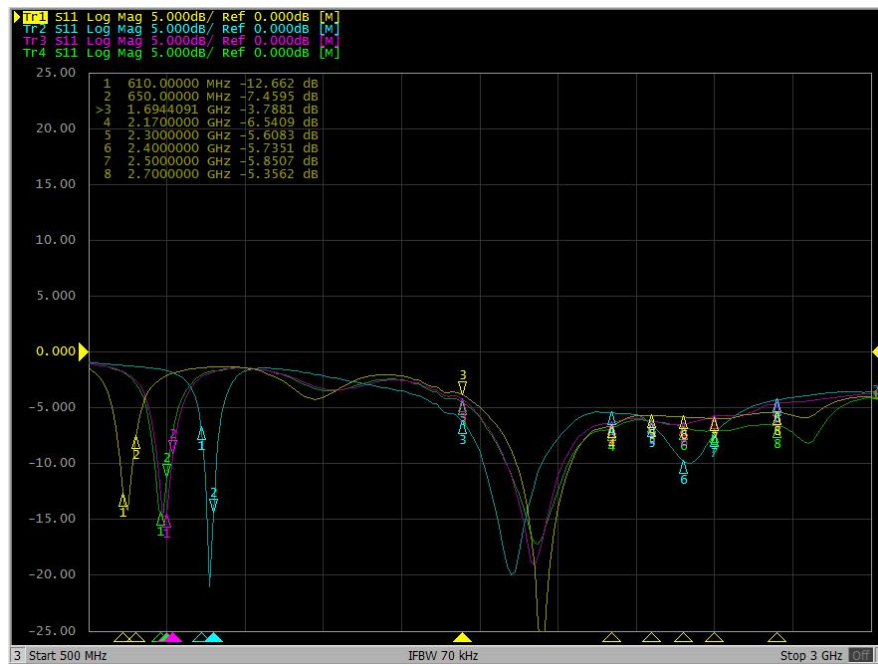
Antenna 2



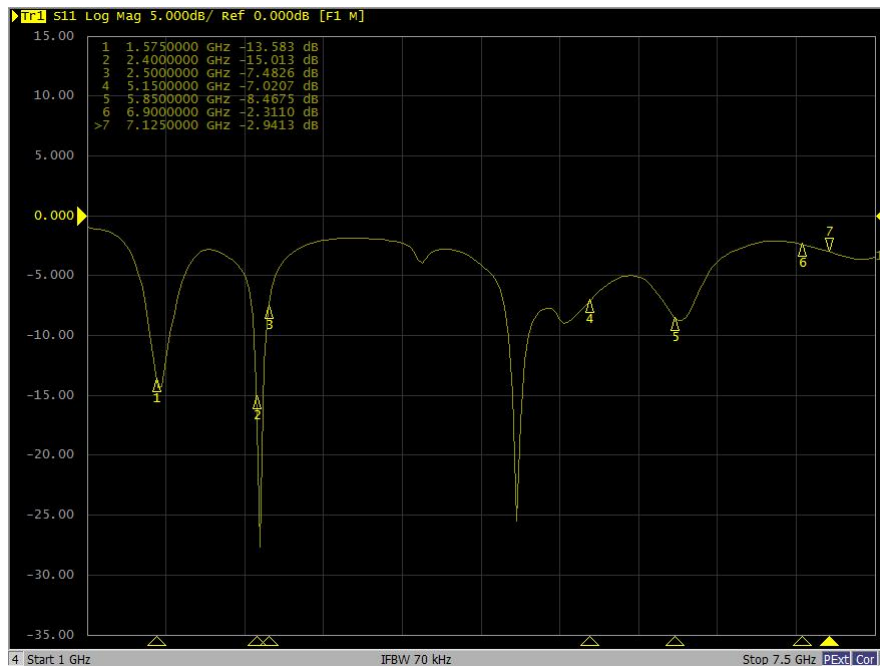
Antenna 3



Antenna 4



Antenna 5



Antenna 6

