

天线测试报告

Antenna Testing report

日期
DATE: 2023.05.08

版本
REV.: V01

客 户
CUSTOMER:

同维

客 户 料 号
CUSTOMER P/N:

品 名
PART NAME:

DZS2428

供 方 料 号
SUPPLIER P/N:

送样日期 Date:

送样数量 Q'TY:

客户确认 CUSTOMER APPROVED BY		
工程研发部	生产采购部	承认
ENGINEER R&D DEPT	BUSSINESS DEPT	APPROVED BY

供方确认 SUPPLIER SIGNATURE		
研发部	工程部	批准
ENGINEER R&D DEPT	ENGINEER R&D DEPT	APPROVAL
TongLongxiang	Tom.	Huiping Feng

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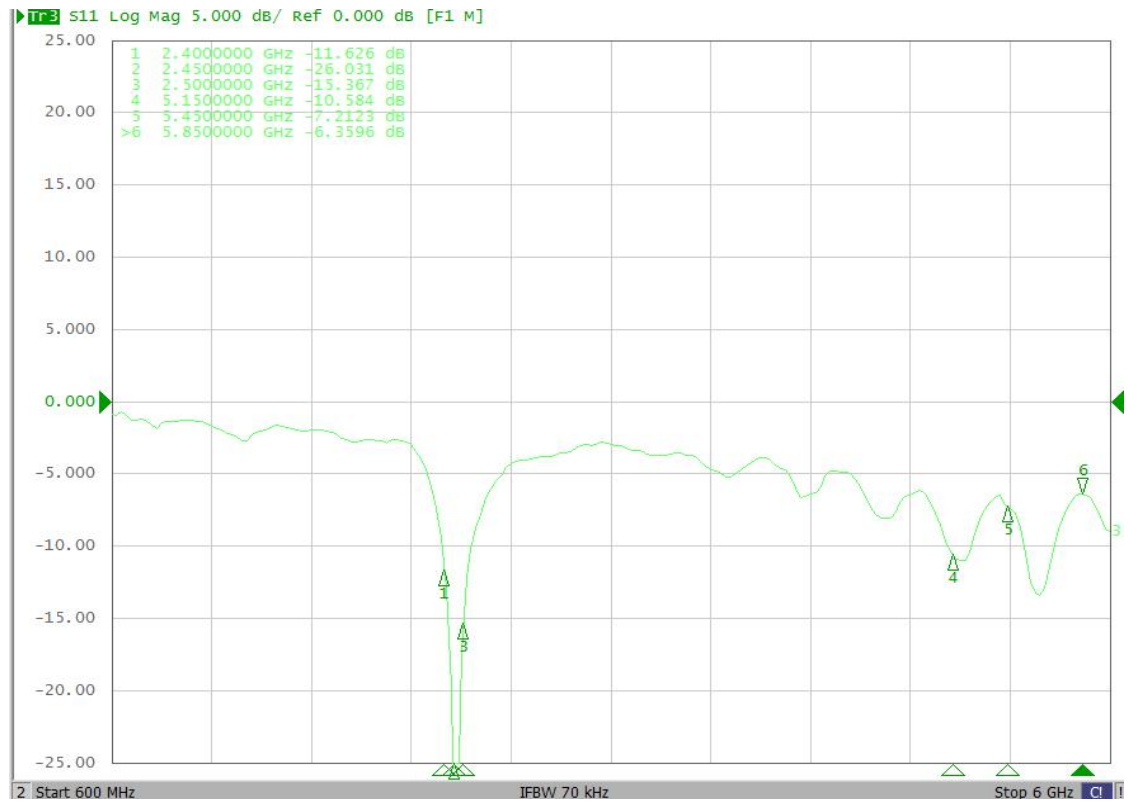
- a. Manufacturer : Shenzhen be-comfortable technology.co.,LTD;
Address: No.1606,Build C6,HengFeng industrial city,xixiang street,baoan district,Shenzhen.
- b.Antenna model: DZS2428(2.4G&5GWIFI Antenna); Antenna type: PCB antenna
- c.Test software version: AMS_V51_8G
- d.Antenna testing laboratory: Yimai electromagnetic 24 probe spherical near-field antenna test system;
Test instruments : E5071C; Calibration date:2022.11.12~2023.11.12
- e.Testing Engineer : Tong Longxiang Test date: 2023.3.15

1. Test environment

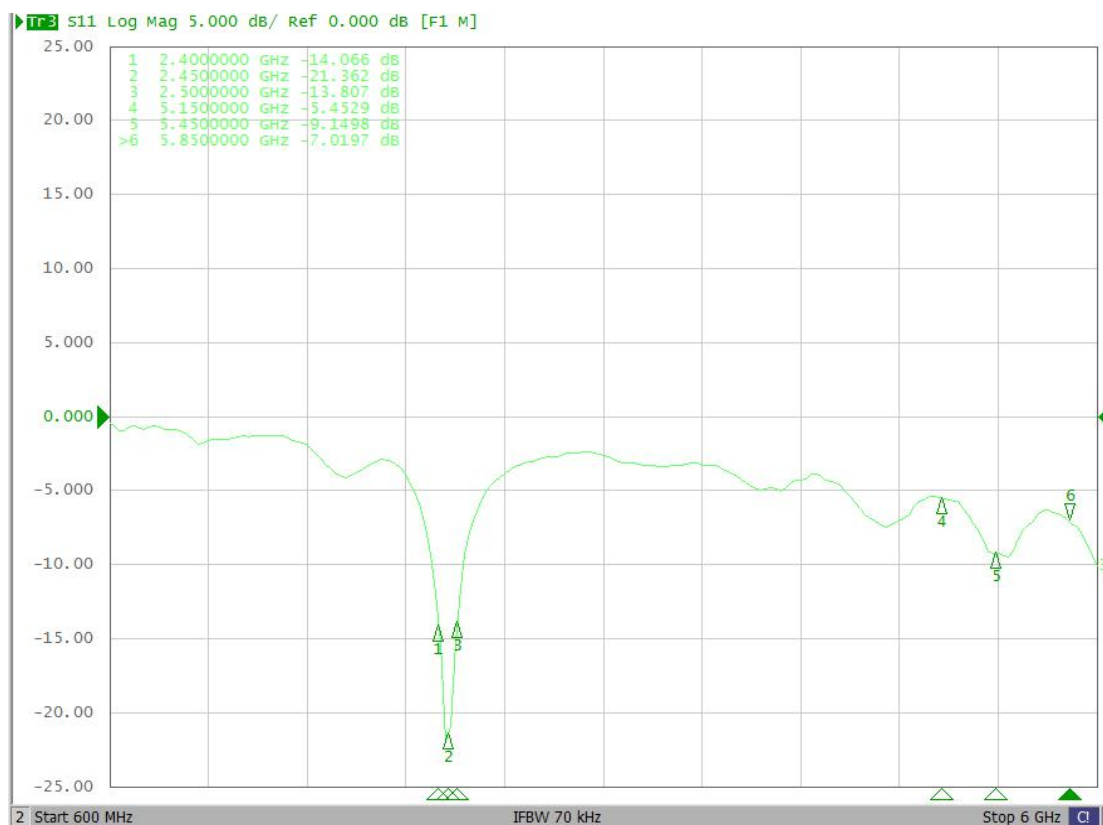
Agilent Technologies E5071C

2. S11

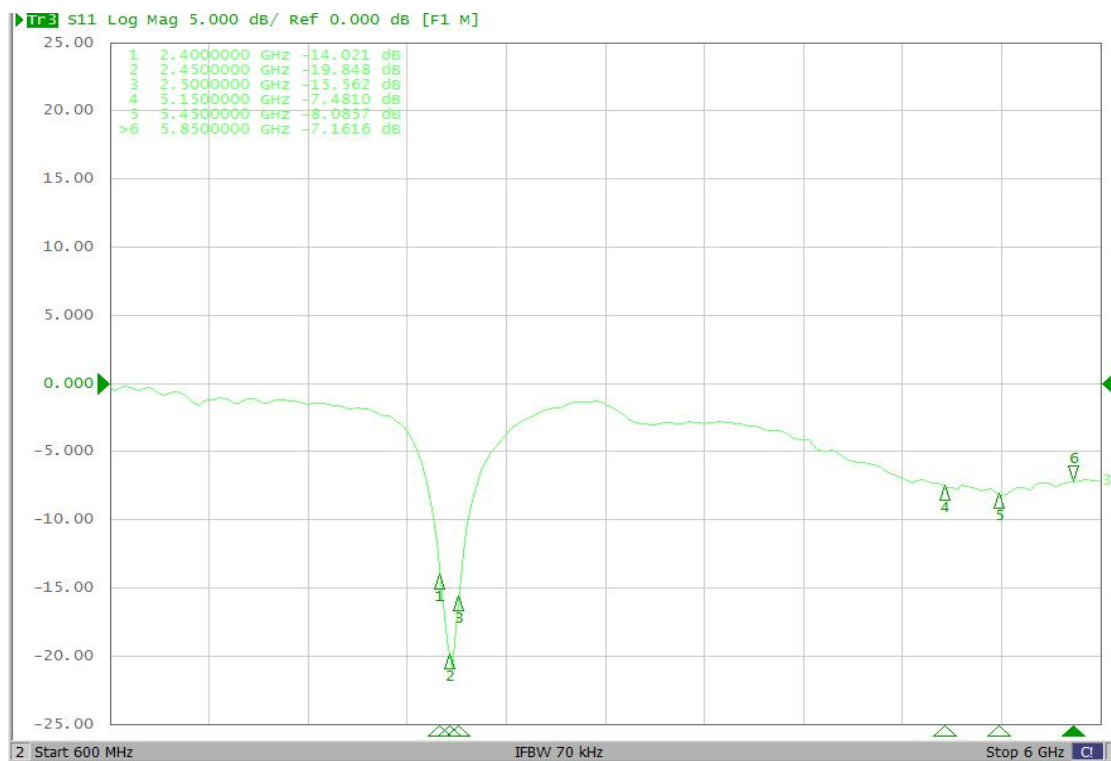
2. 4G-ANT0



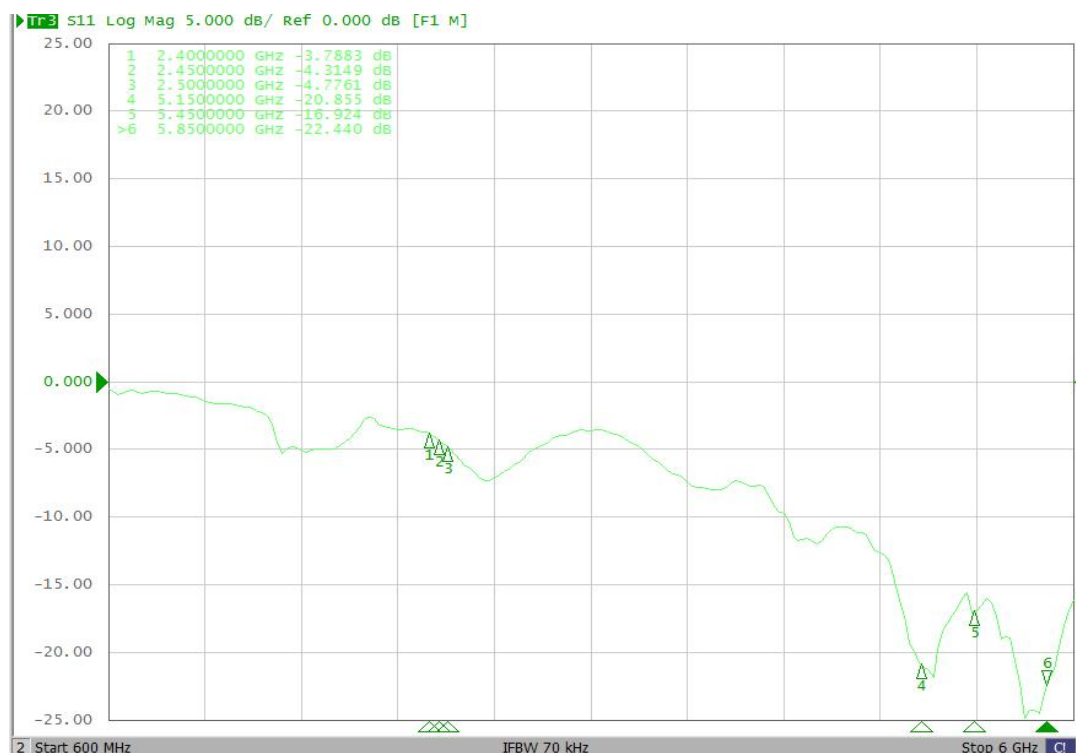
2. 4G-ANT1



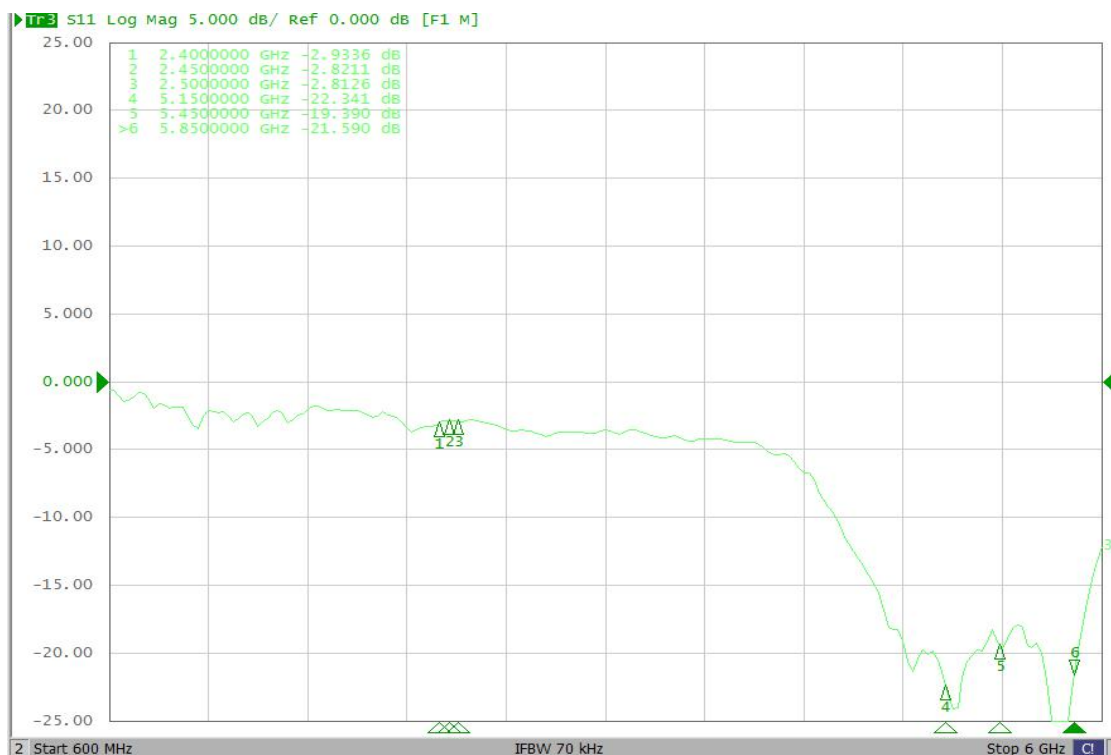
2. 4G-ANT2



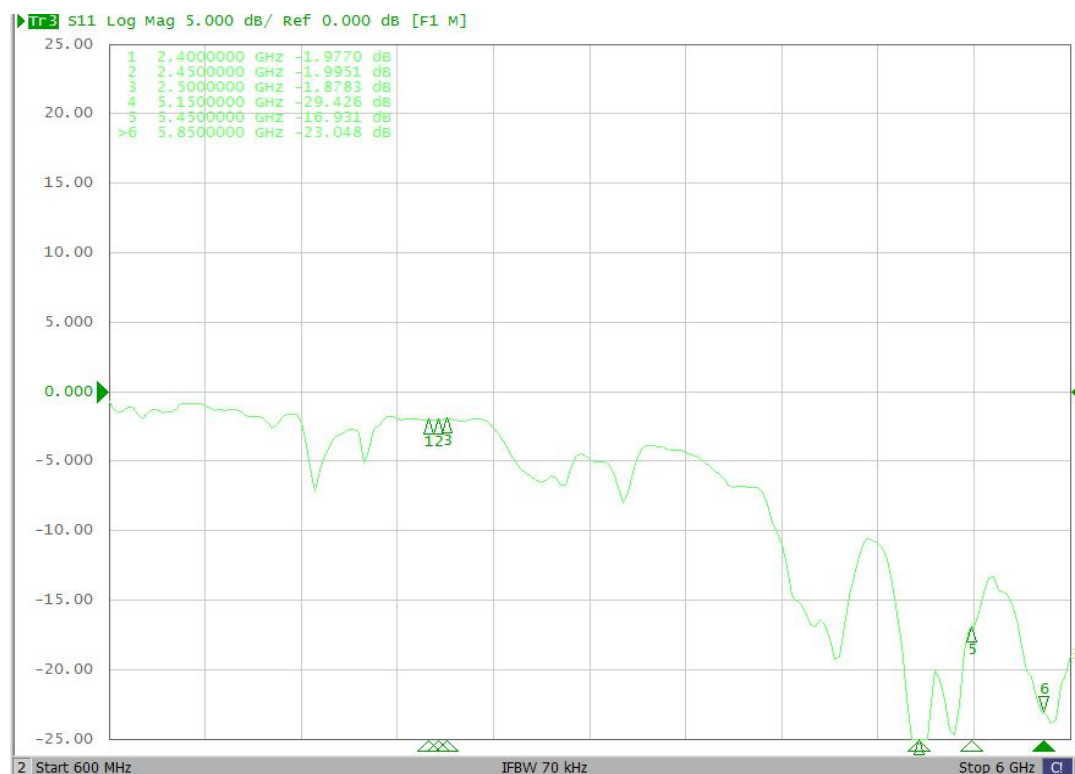
5G-ANT0



5G-ANT1



5G-ANT2



5G-ANT3



3. Peak Gain & Efficiency

2. 4G-ANT0

Frequency (MHz)	Gain(dBi)	Efficiency (%)
2400	3.44	68.95
2410	3.38	67.85
2420	3.40	68.18
2430	3.43	69.47
2440	3.52	70.87
2450	3.33	68.66
2460	3.40	68.57
2470	3.38	67.65
2480	3.35	67.46
2490	3.30	66.95
2500	3.42	68.89

2. 4G-ANT1

Frequency (MHz)	Gain(dBi)	Efficiency (%)
2400	3.46	67.27
2410	3.43	67.02
2420	3.50	68.39
2430	3.39	66.94
2440	3.60	70.02
2450	3.53	69.68
2460	3.39	67.27
2470	3.21	66.65
2480	3.34	67.65
2490	3.47	68.54
2500	3.35	67.84

2. 4G-ANT2

Frequency (MHz)	Gain(dBi)	Efficiency (%)
2400	3.44	67.57
2410	3.50	67.12
2420	3.59	68.61
2430	3.42	66.35
2440	3.49	68.02
2450	3.61	70.06
2460	3.55	69.28
2470	3.47	67.57
2480	3.39	66.88
2490	3.45	67.11
2500	3.40	66.53

5G-ANT0

Frequency (MHz)	Gain(dBi)	Efficiency (%)
5100	4.44	66.74
5200	4.57	67.66
5300	4.61	67.47
5400	4.67	70.29
5500	4.70	69.05
5600	4.57	66.23
5700	4.51	66.66
5800	4.60	68.93
5900	4.41	67.32

5G-ANT1

Frequency (MHz)	Gain(dBi)	Efficiency (%)
5100	4.47	67.18
5200	4.36	66.87
5300	4.67	69.69
5400	4.58	68.27
5500	4.69	70.37
5600	4.52	67.19
5700	4.58	69.27
5800	4.49	67.45
5900	4.42	66.97

5G-ANT2

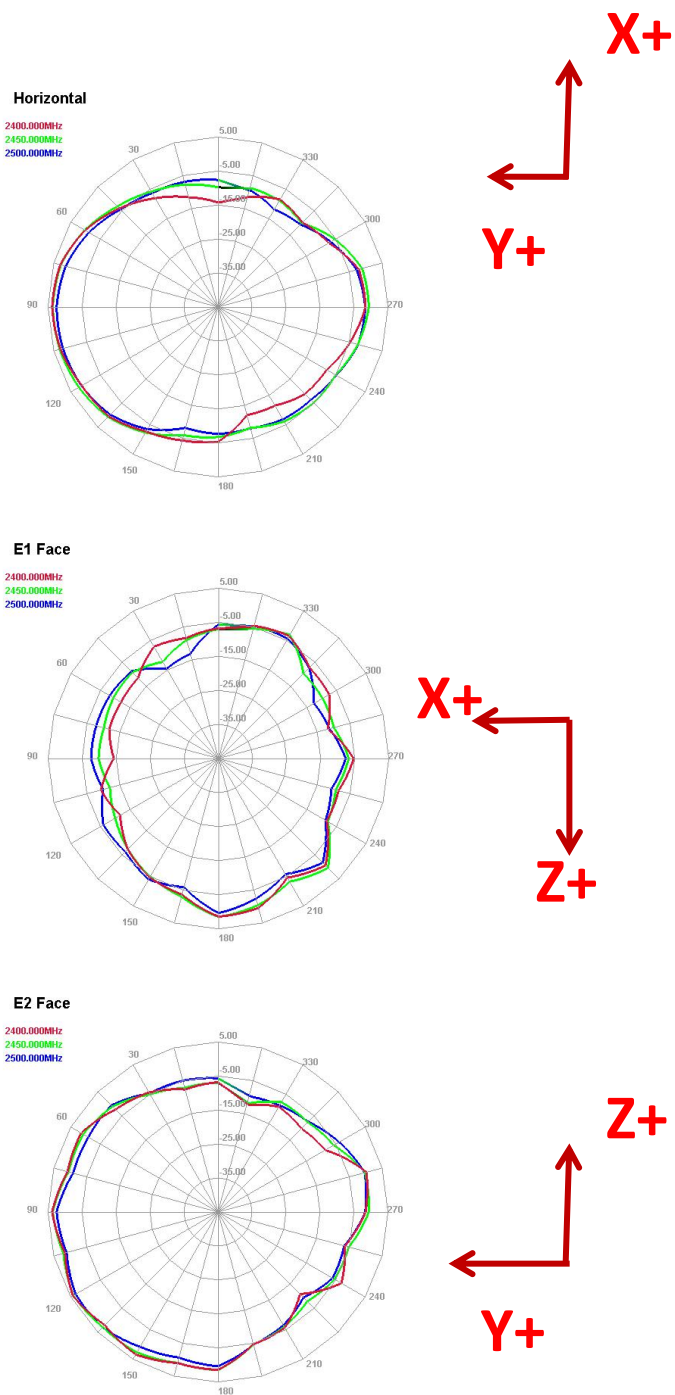
Frequency (MHz)	Gain(dBi)	Efficiency (%)
5100	4.55	70.36
5200	4.33	67.45
5300	4.36	68.01
5400	4.58	69.33
5500	4.67	70.00
5600	4.35	67.04
5700	4.30	67.04
5800	4.41	69.63
5900	4.55	68.21

5G-ANT3

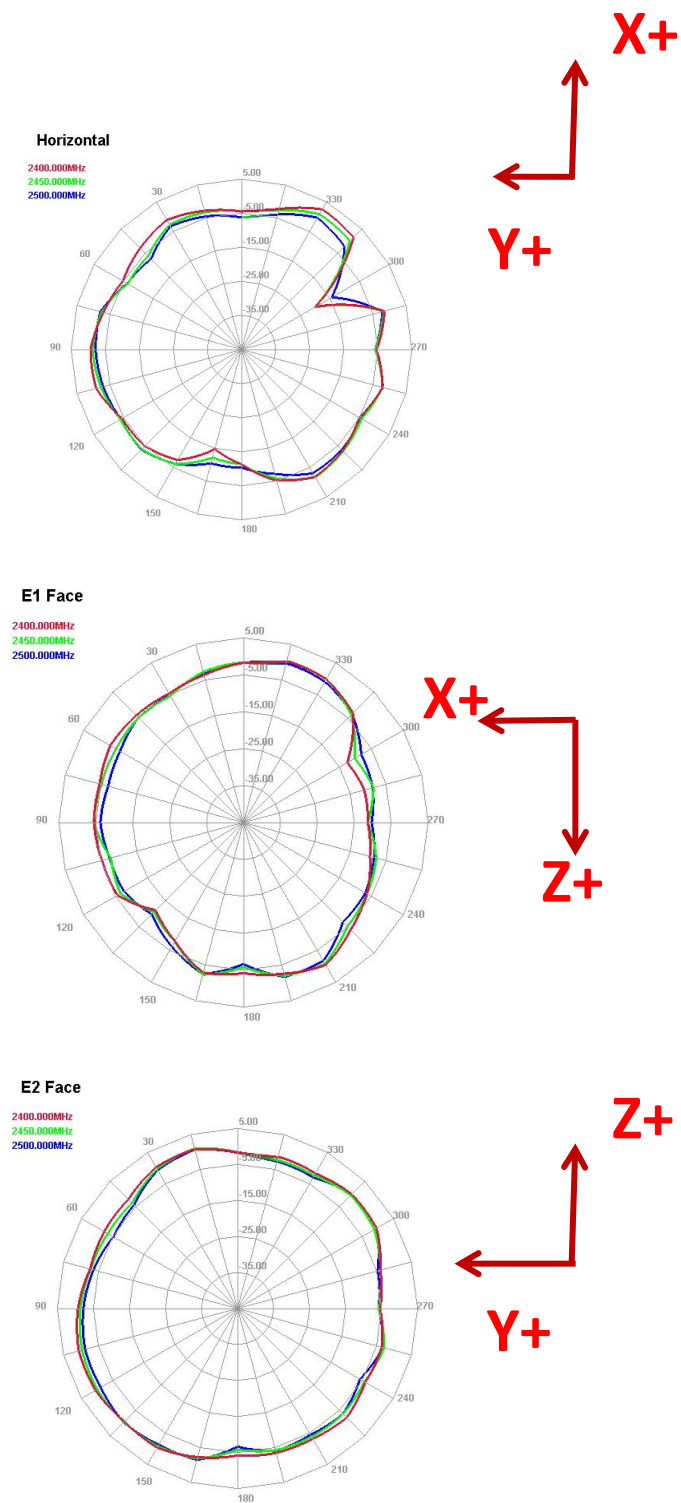
Frequency (MHz)	Gain(dBi)	Efficiency (%)
5100	4.31	67.26
5200	4.57	69.03
5300	4.44	67.49
5400	4.49	70.40
5500	4.57	69.38
5600	4.67	68.71
5700	4.52	69.97
5800	4.36	67.76
5900	4.49	67.28

4. 2D

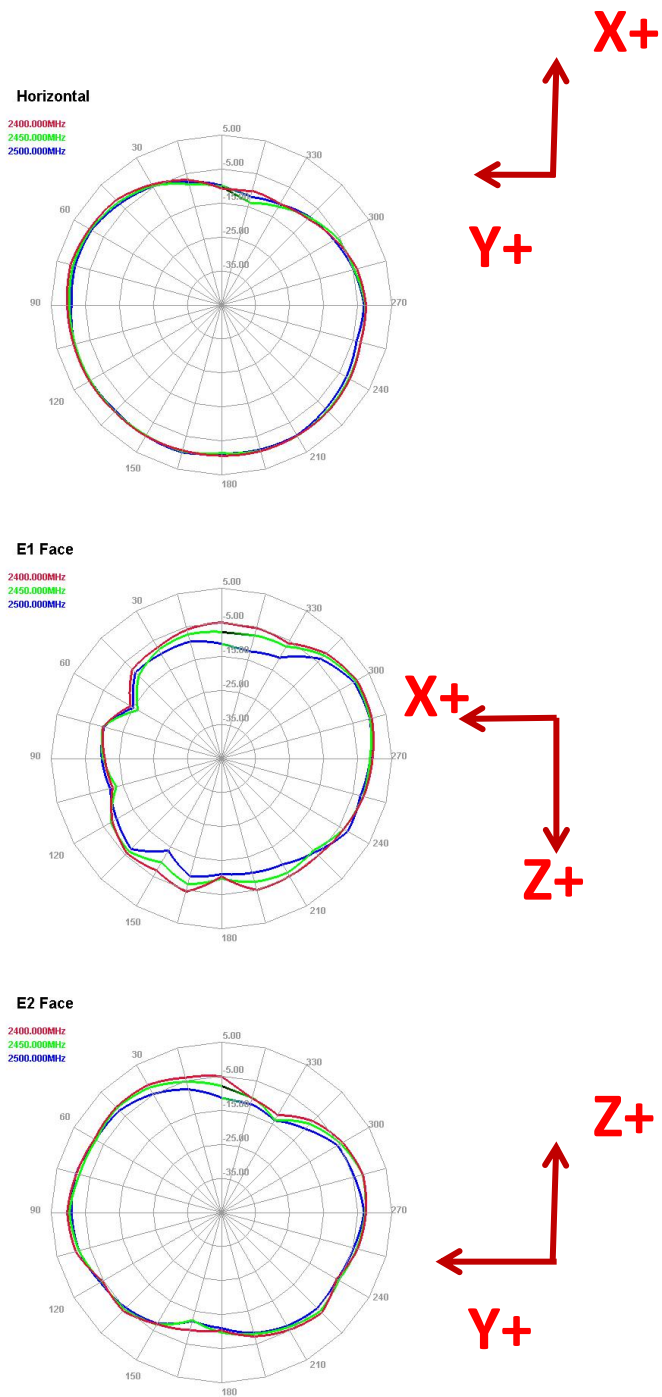
2. 4G-0



2. 4G-1



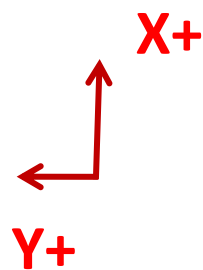
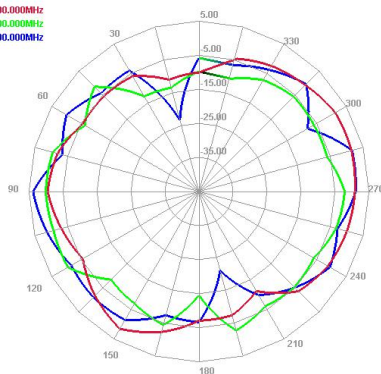
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5G-0

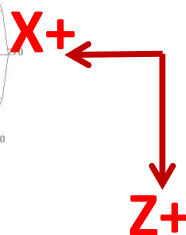
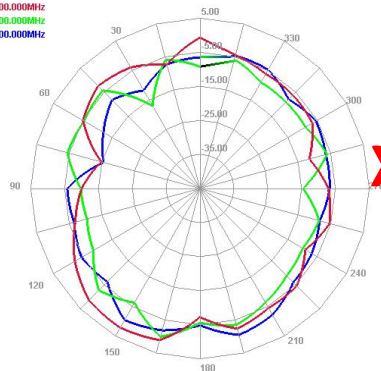
Horizontal

5100.000MHz
5500.000MHz
5900.000MHz



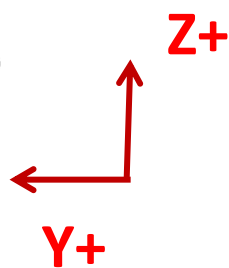
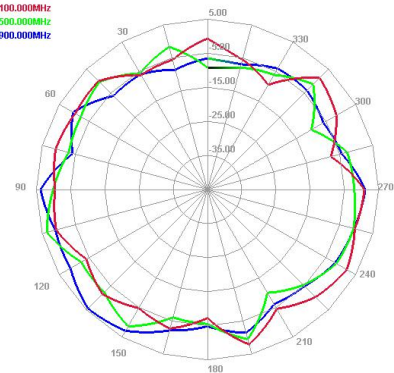
E1 Face

5100.000MHz
5500.000MHz
5900.000MHz



E2 Face

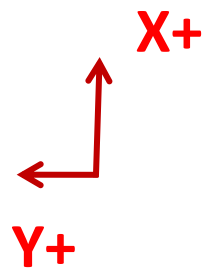
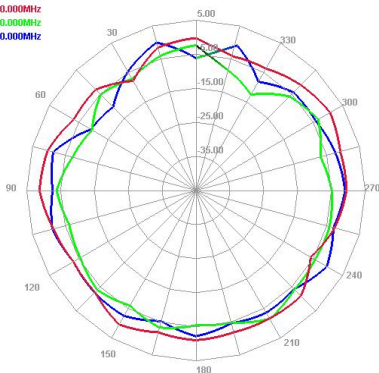
5100.000MHz
5500.000MHz
5900.000MHz



5G-1

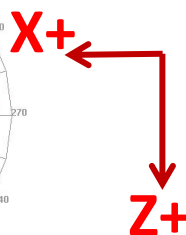
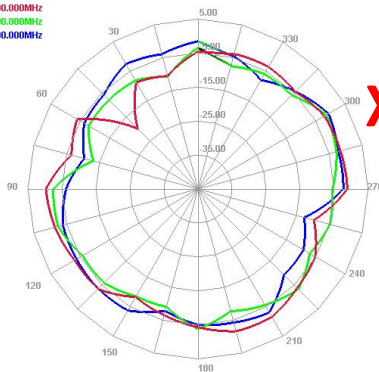
Horizontal

5100.000MHz
5500.000MHz
5900.000MHz



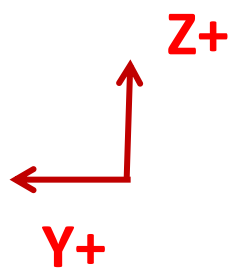
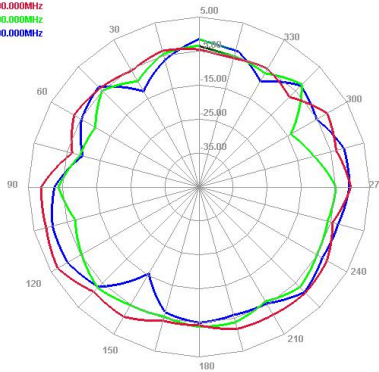
E1 Face

5100.000MHz
5500.000MHz
5900.000MHz

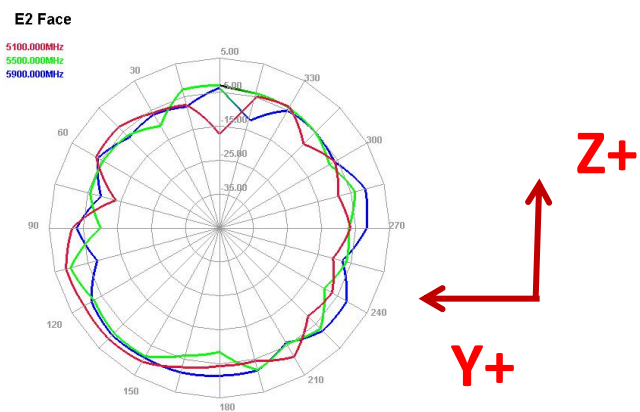
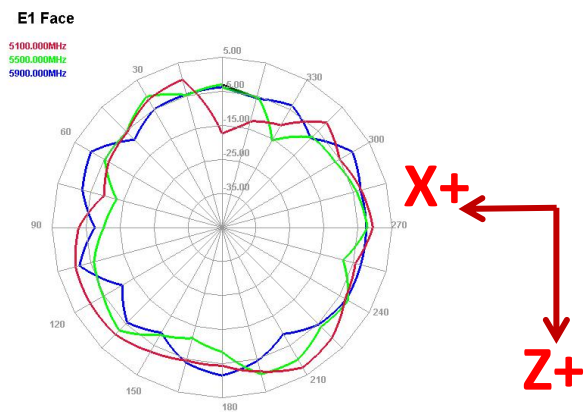
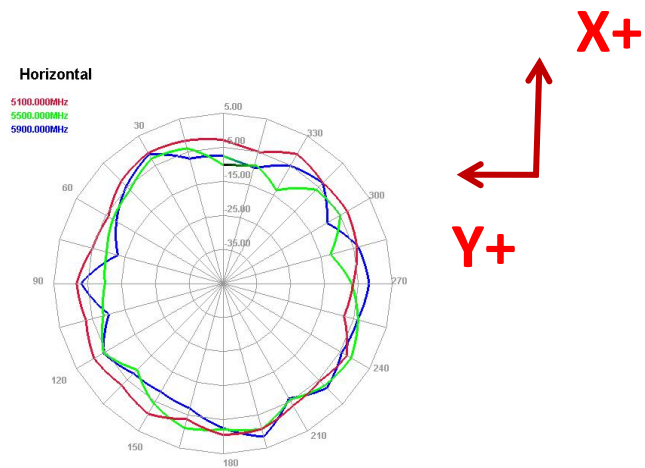


E2 Face

5100.000MHz
5500.000MHz
5900.000MHz

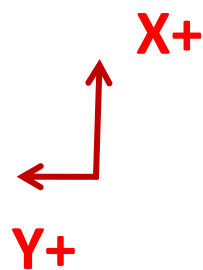
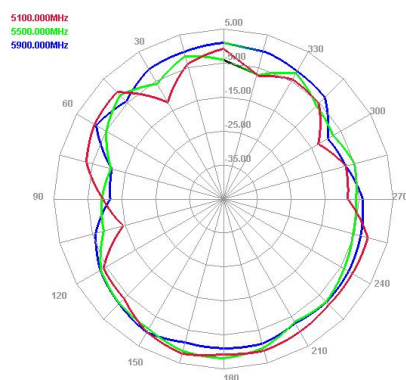


5G-2

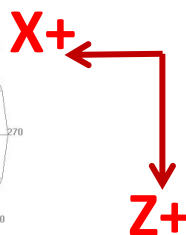
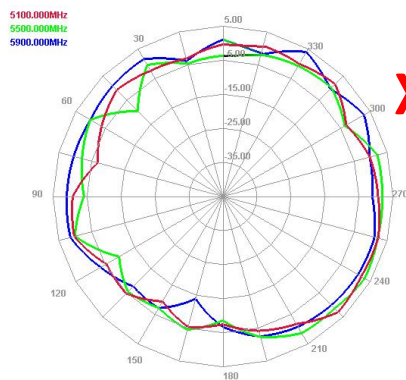


5G-3

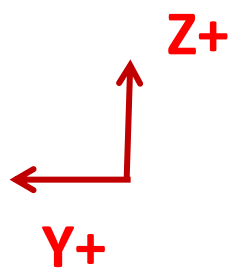
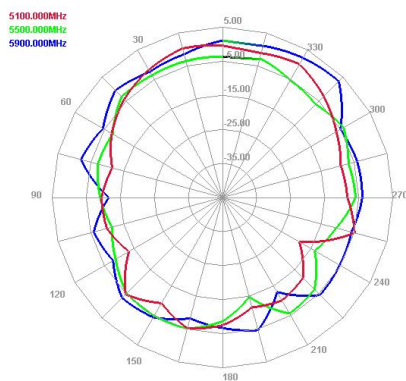
Horizontal



E1 Face

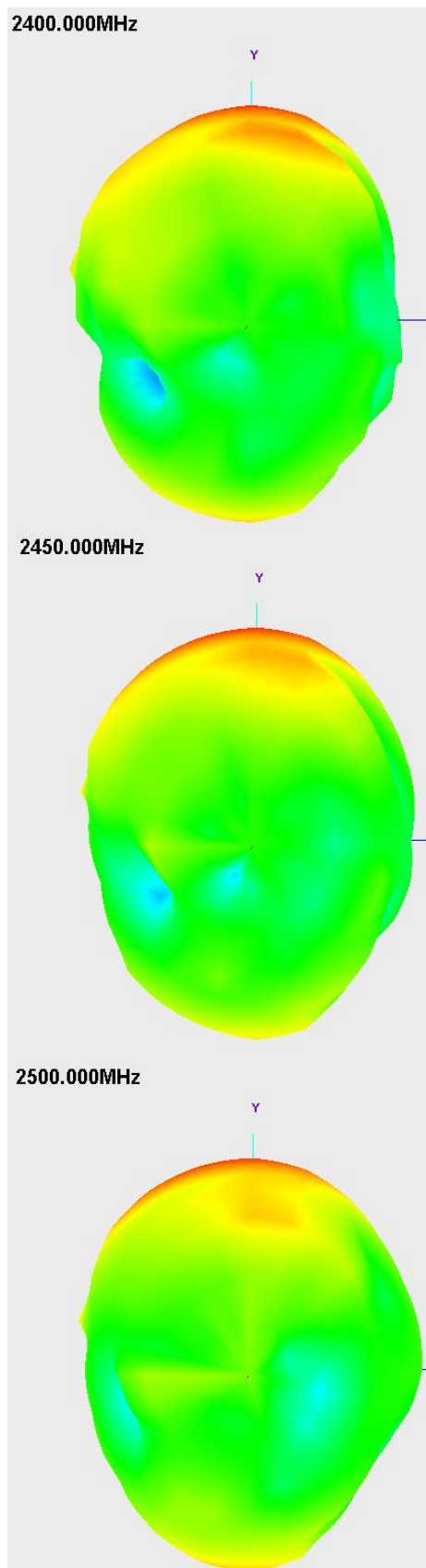


E2 Face

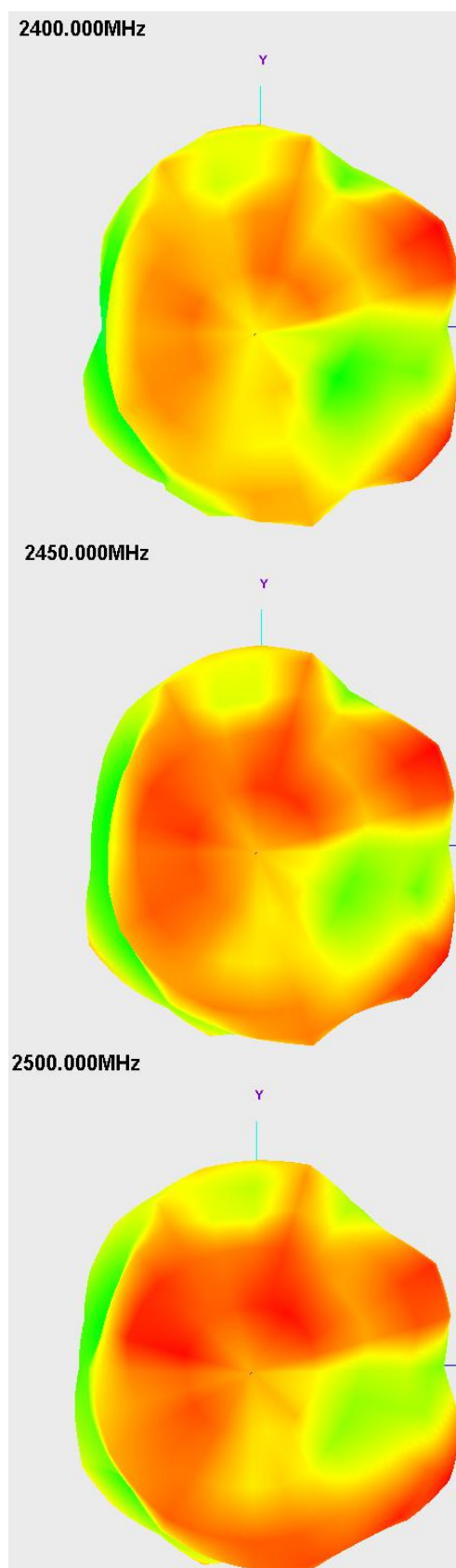


5. 3D

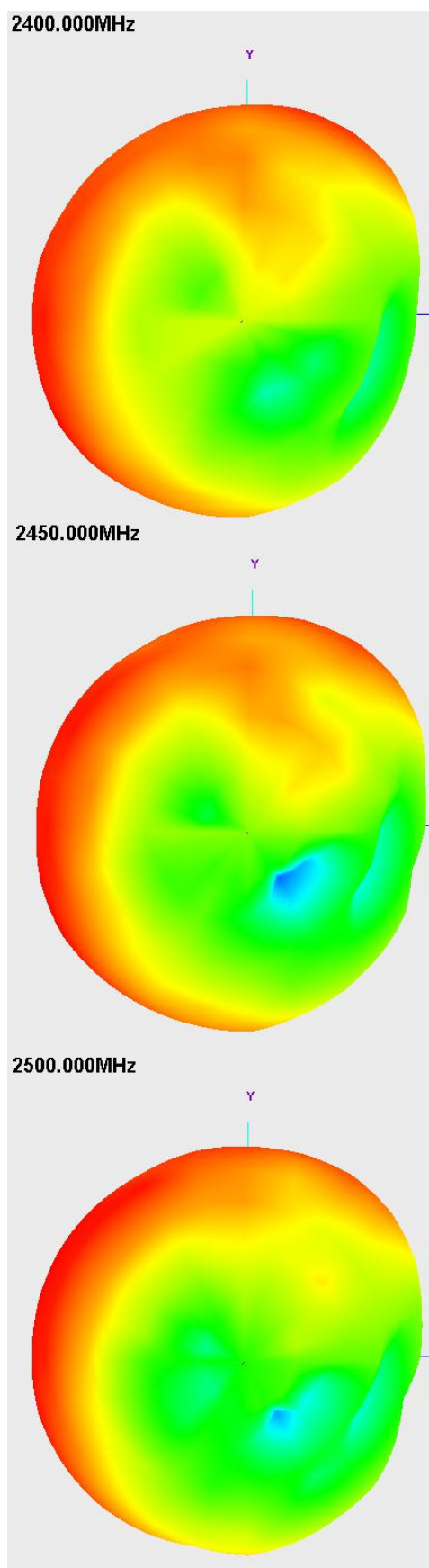
2. 4G-0



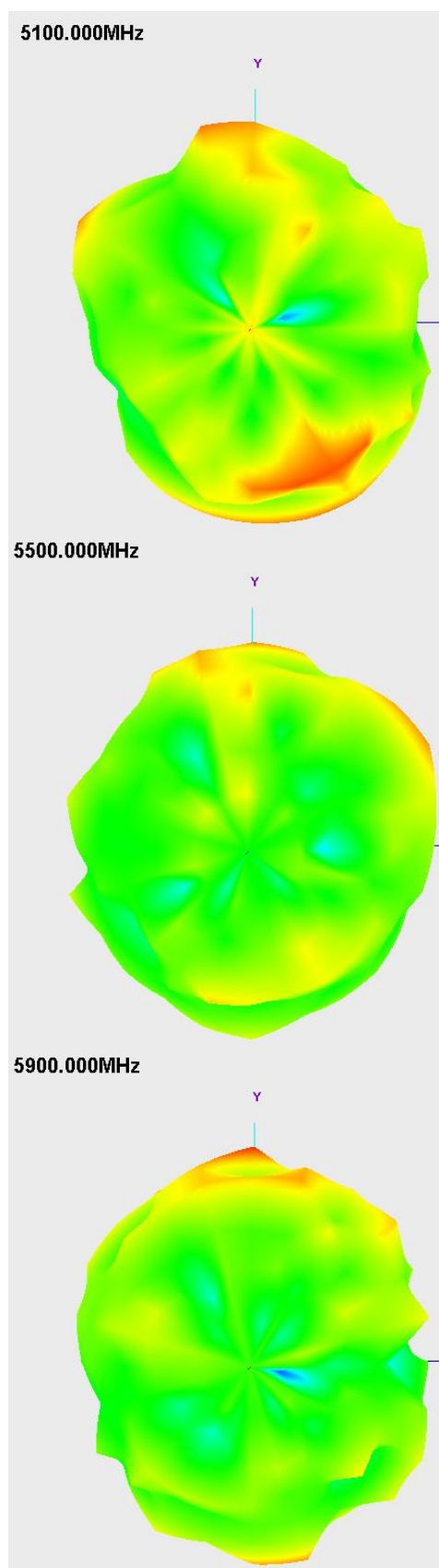
2. 4G-1



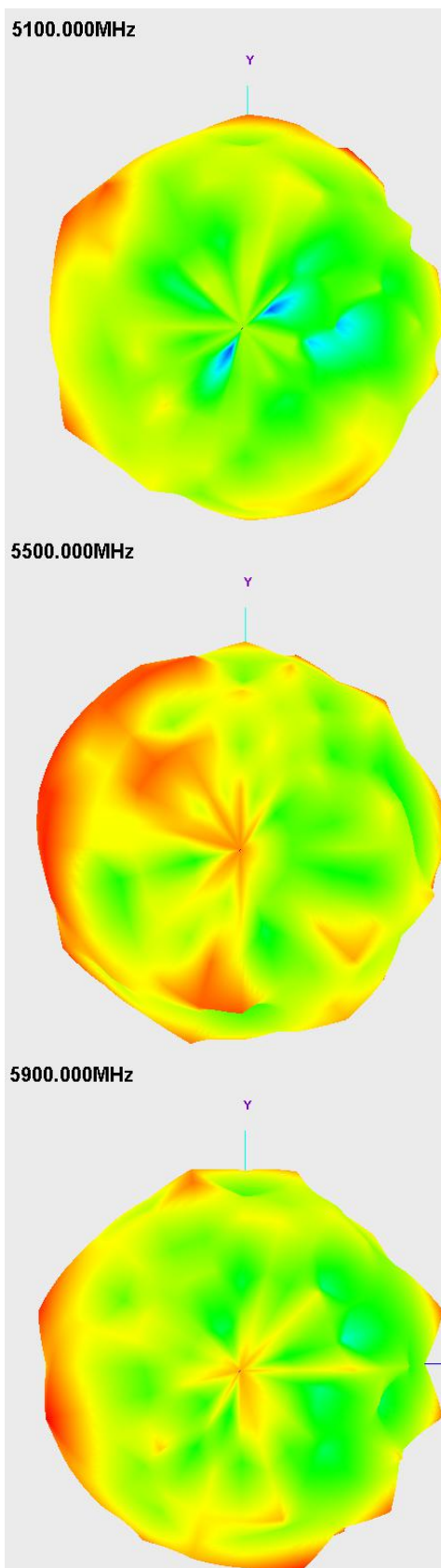
2. 4G-2



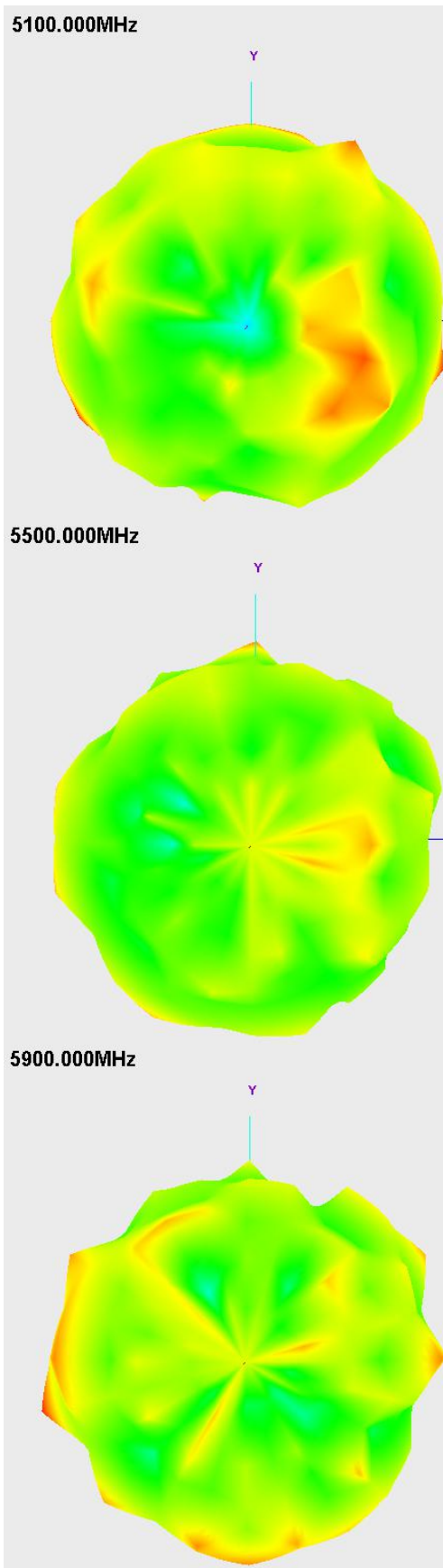
5G-0



5G-1



5G-2



5G-3

