



Antenna Specifications

Shenzhen JINGSONG Technology Co., LTD

2. Specifications

This report mainly provides the testing conditions of various electric and structural performance parameters for cell antenna ---- 2.4G/5.8G-WiFi. Figure 2-1 shows the antenna designed by JS & The fixturing of 2.4G/5.8G-WiFi

2-1: Specification

Sample Photo	
A.Electrical Characteristics	
Frequency	2400-2480MHz 5100-5850MHz
V.S.W.R.	2400-2480 MHz: < 1.5 5100-5850MHz: <2.0
Peak Gain	2400-2480 MHz: 1.42dBi 5100-5850MHz: 1.82dBi
Polarization	Linear
Impedance	50 Ohm
B.Material & Mechanical Characteristics	
Material of Radiator	/
Material of Plastic	PCB
Cable Type	/
Connector Type	weld
Connector Pull Test	> - 3 Kgf
C.Environmental	
Operation Temperature	- 40 °C ~ + 70 °C
Storage Temperature	- 40 °C ~ + 80 °C

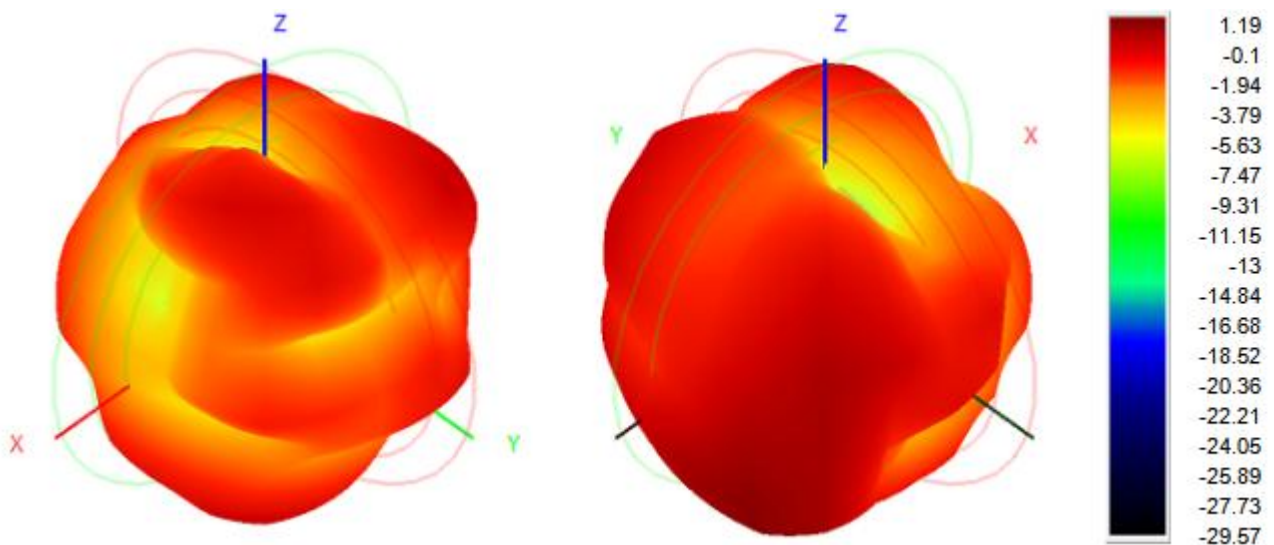
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3. WiFi antenna test data

Wifi:2.4G efficiency / gain

Fre.(Mhz)	Efficiency(%)	Gain(dBi)
2400	45.1	1.19
2410	42.6	1.23
2420	41.6	1.15
2430	43.8	1.18
2440	45.6	1.12
2450	42.4	1.33
2460	45.8	1.34
2470	47.1	1.42
2480	46.2	1.31

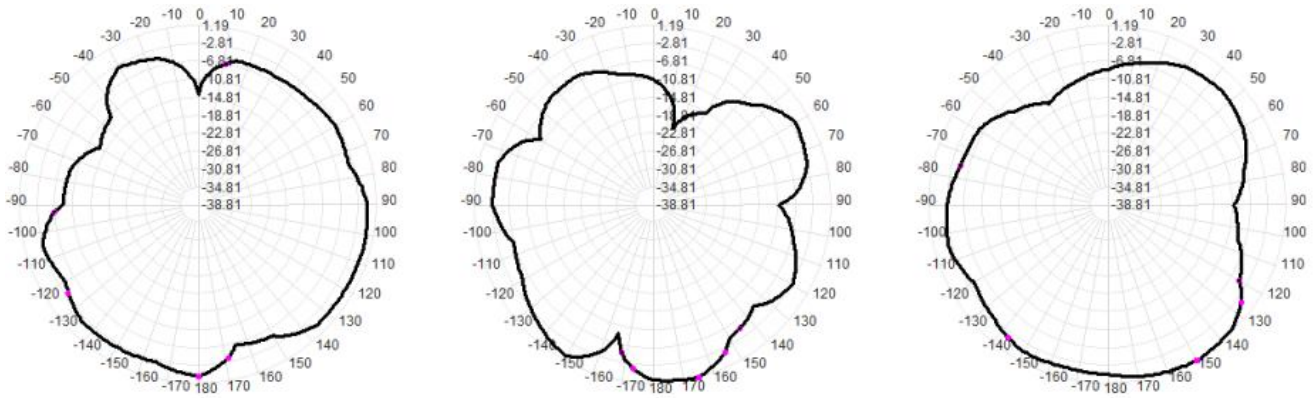
2400MHZ Apple chart



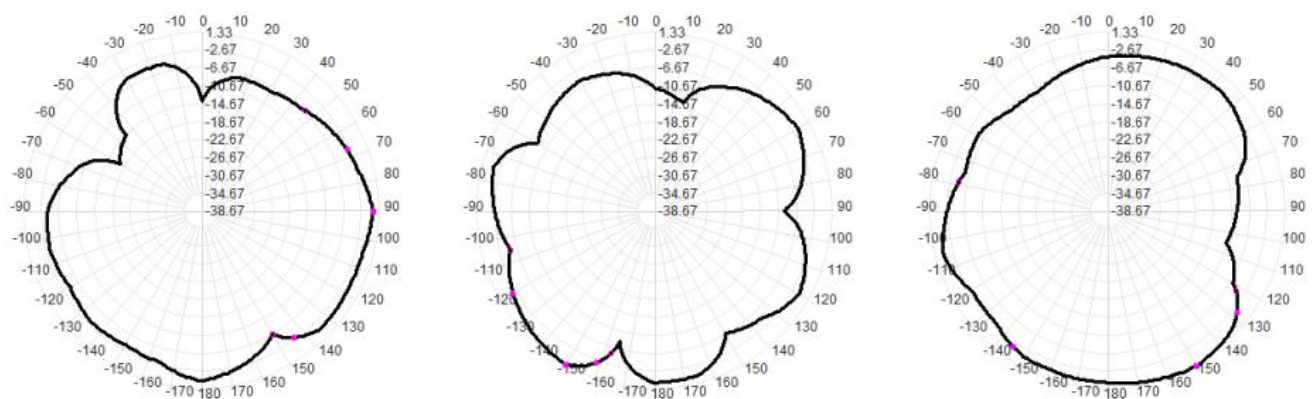
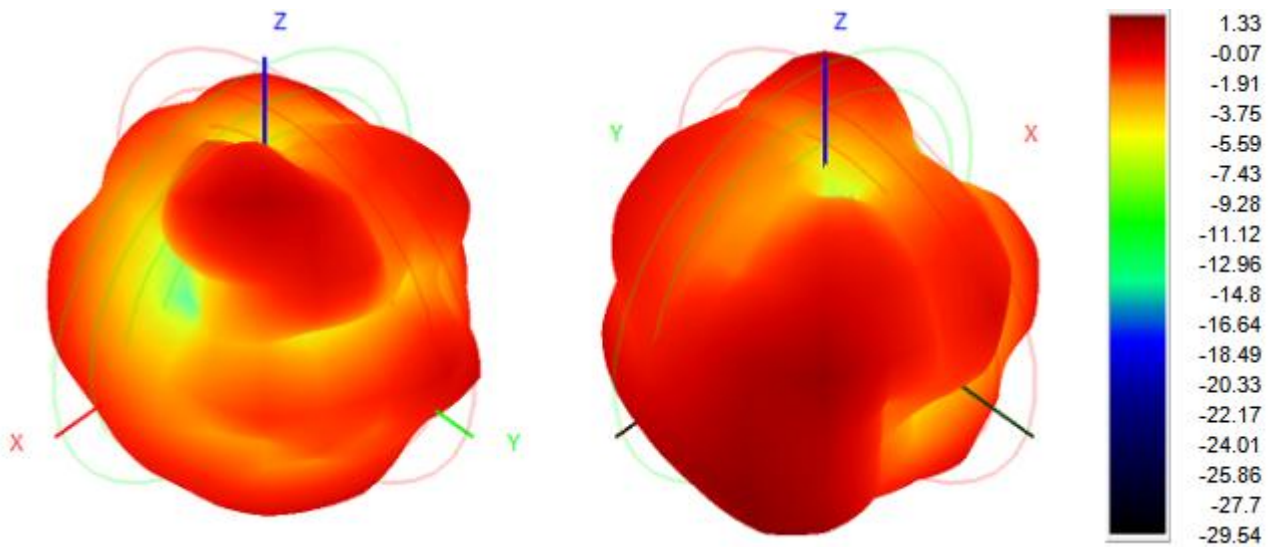


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2450MHZ Apple chart



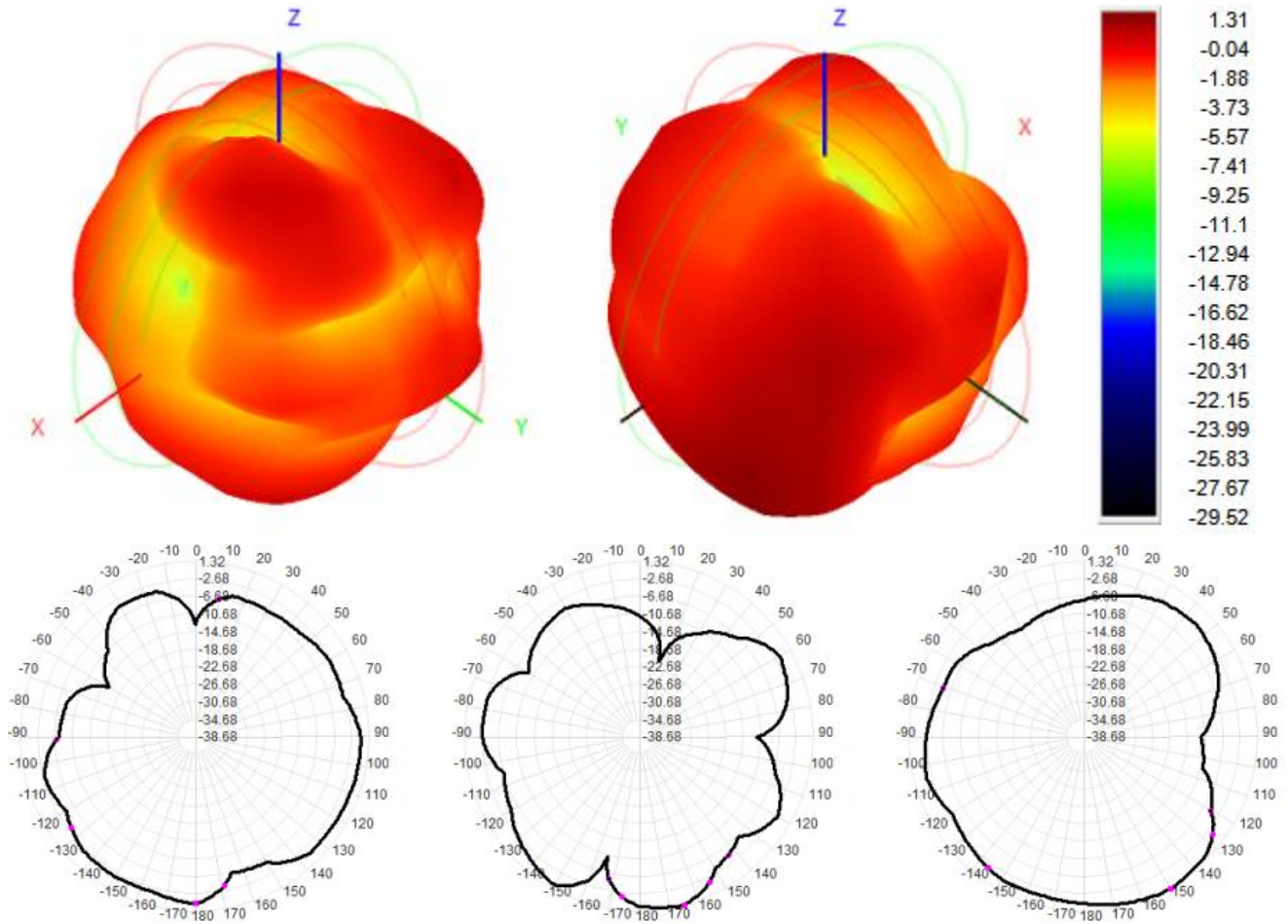
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2480MHZ Apple chart



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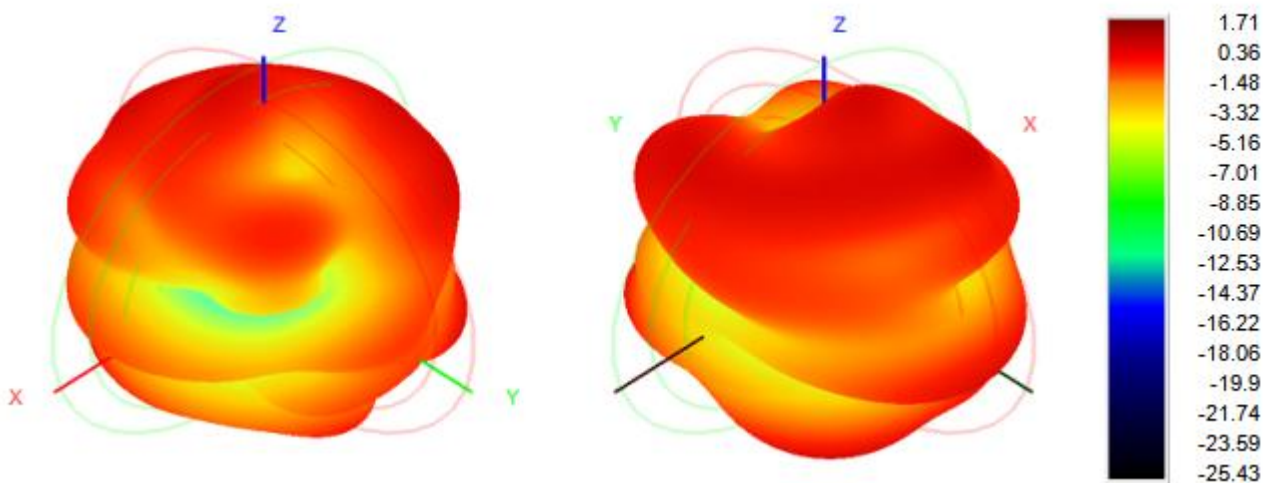
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Wifi:5G efficiency / gain

WIFI: 5G		
Freq(MHz)	Efficiency (%)	Gain (dBi)
5150	48.3	1.71
5200	46.4	1.36
5250	44.8	1.25
5300	47.2	1.41
5350	46.3	1.76
5400	45.1	1.58
5450	49.4	1.35
5500	48.6	1.47
5550	47.1	1.82
5600	46.2	1.76
5650	43.4	1.65
5700	42.7	1.17
5750	43.4	1.31
5800	41.8	1.22
5850	43.5	0.92

5150MHz Apple chart

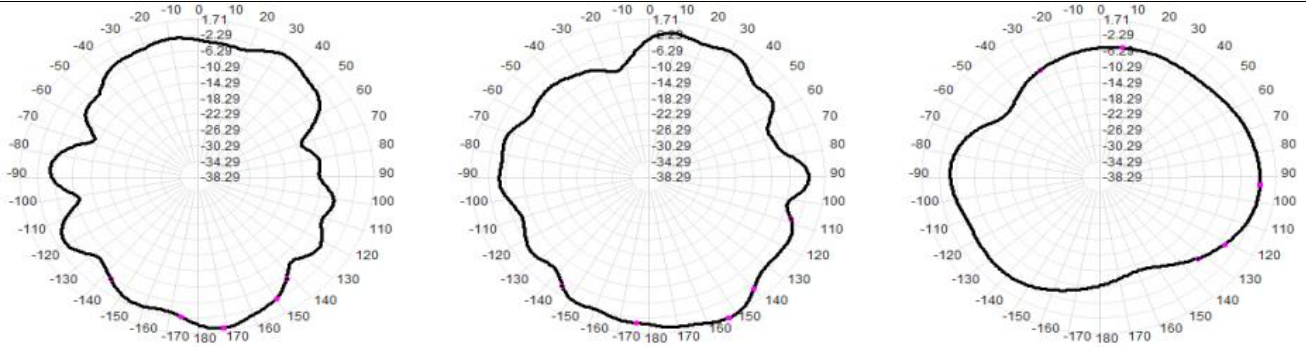


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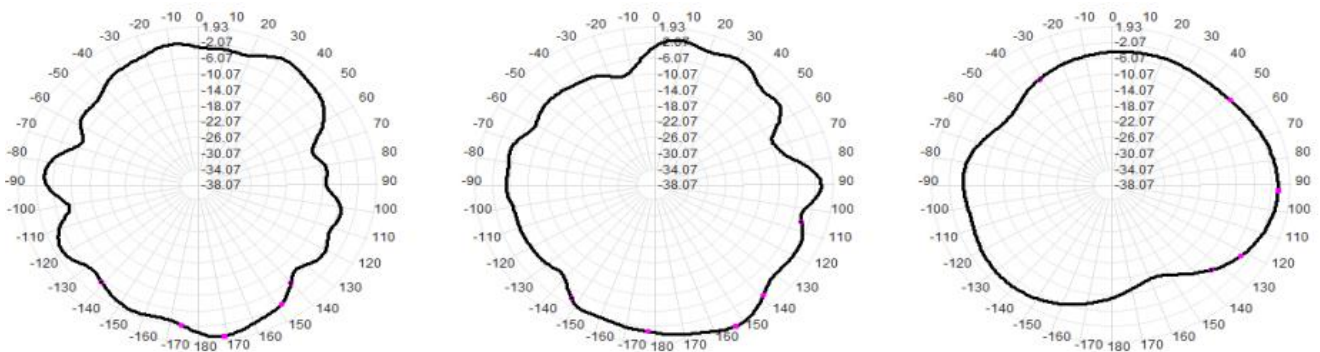
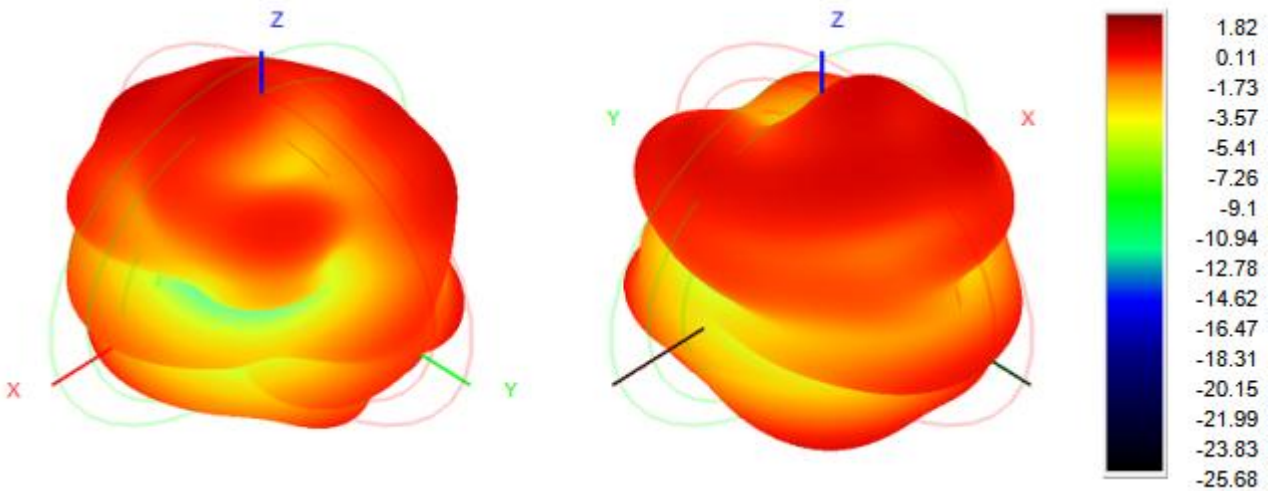


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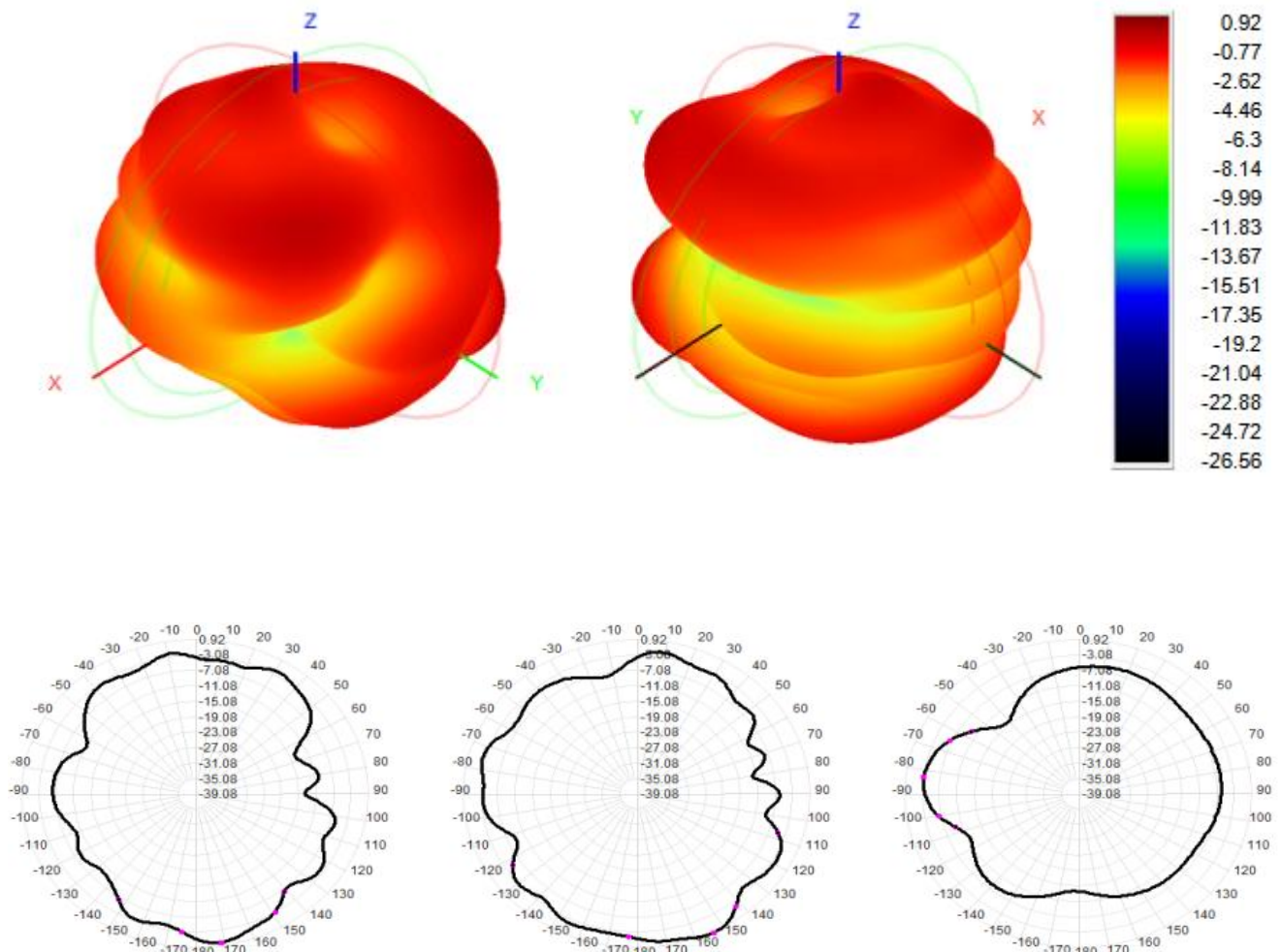


5550MHz Apple chart



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5850MHz Apple chart

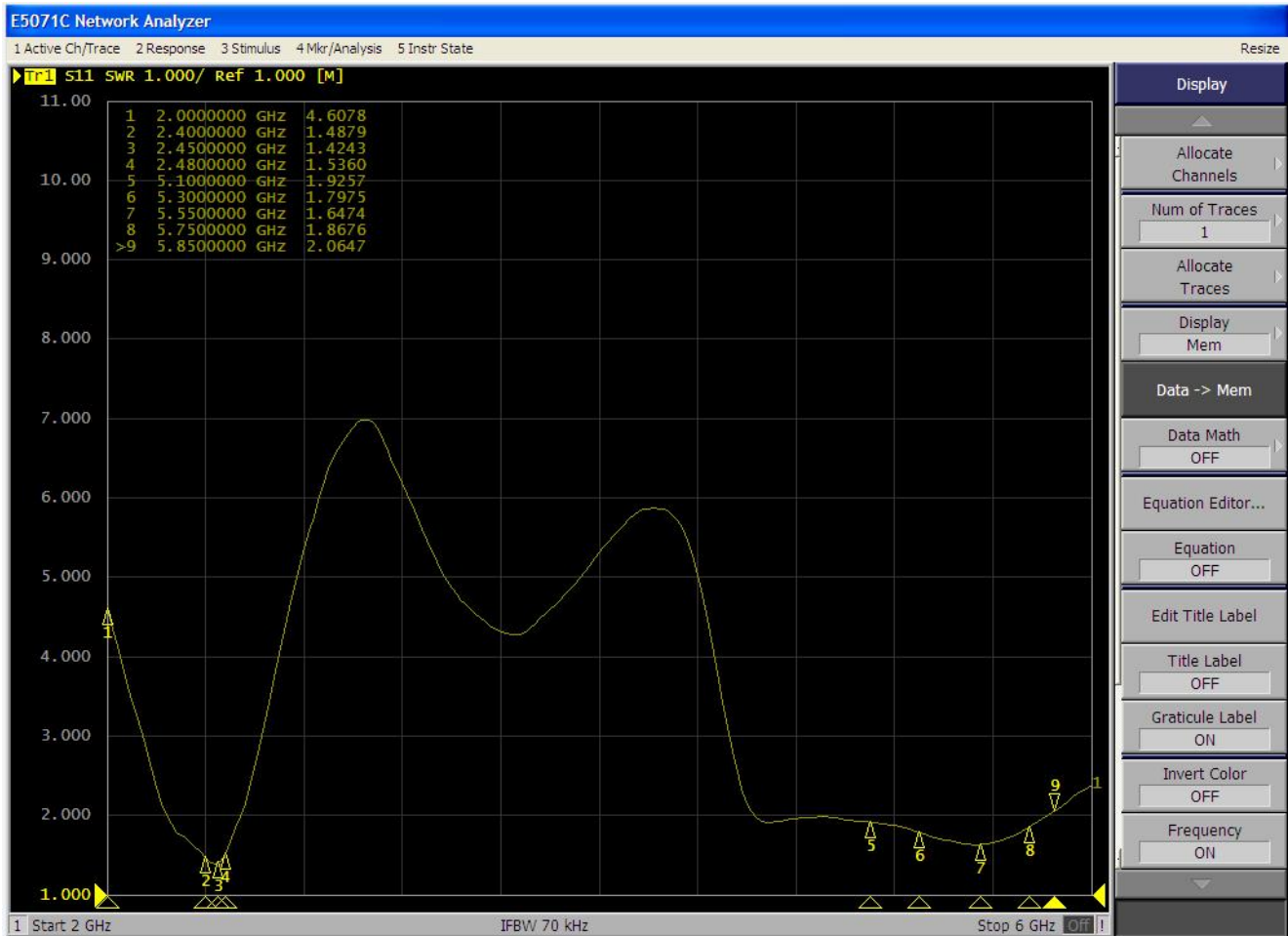




Antenna Specifications

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SWR



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