



APPROVAL SHEET

Customer	Solax			
Customer P/N				
Project Name	Project Pocket V5 WiFi Antenna			
Supplier	Shanghai Saintenna Wireless Technology Co. , Ltd.			
Saintenna P/N	SAA32205A			
ROHS Compliant	Yes			
Providing Date				
Supplier	Prepared by	Designer	QA	Approver
Address: Room 601, Building 1, No. 69 Yuanfeng Road, Baoshan District, Shanghai 200444, China				
Tel: 086-021-56165098; Fax: 086-021-56165098				
Customer	Prepared by	Checked by	Approver	

Note: Signature must be confirmed by hand

CONFIDENTIAL

The information contained in this product is of a proprietary nature. It may not be reproduced without expressed written permission of Shanghai Saintenna Wireless Technology Co., Ltd.

Content

1, Cover.....☒

2,Content.....☒

3,Specification.....☒

4,Drawing.....☒

5,Electrical Perfomance Report.....☒

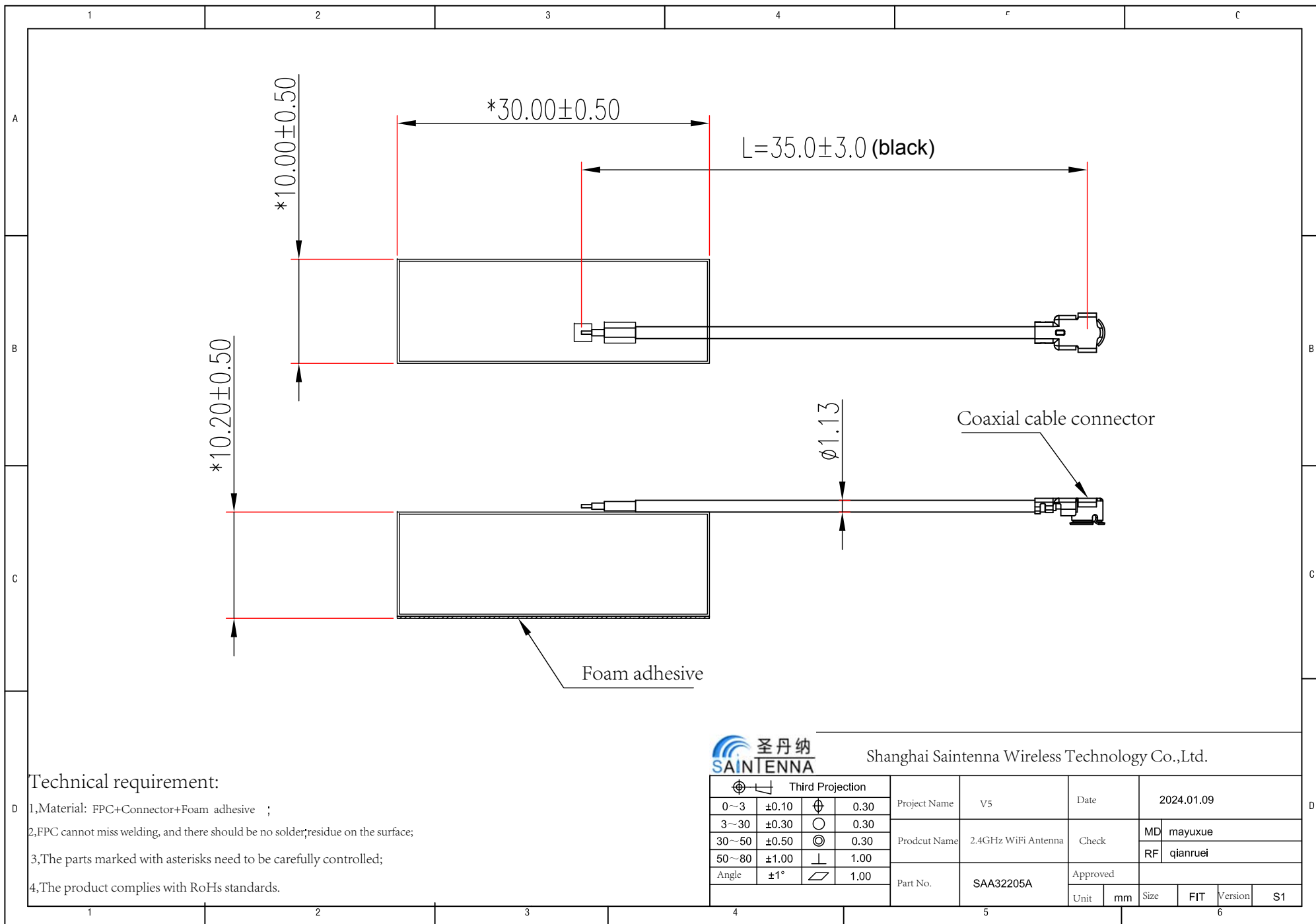
Specification

1. Mechanical Specification

- Connect Type..... RF coaxial cableConnector
- Work Temperature..... -30~65℃
- Storage Temperature..... -30~65℃

2. Electrical Specification

- Frequency Range..... 2400MHz~2500MHz
- VSWR..... <2
- Efficiency..... 56.04%
- Peak Gain..... 0.86dBi
- Polarization..... Linear
- Input Impedance..... 50Ω
- Max Input Power..... 5W



Shanghai Saintenna Wireless Technology Co.,Ltd.

Third Projection				Project Name		Date		2024.01.09			
0~3	±0.10	⊕	0.30	V5							
3~30	±0.30	○	0.30								
30~50	±0.50	◎	0.30	Prodcut Name		2.4GHz WiFi Antenna		Check		MD	mayuxue
50~80	±1.00	⊥	1.00							RF	qianruei
Angle	±1°	∠	1.00	Part No.		SAA32205A		Approved			
								Unit	mm	Size	FIT
										Version	S1



Solax Pocket V5 WiFi Antenna Test Report

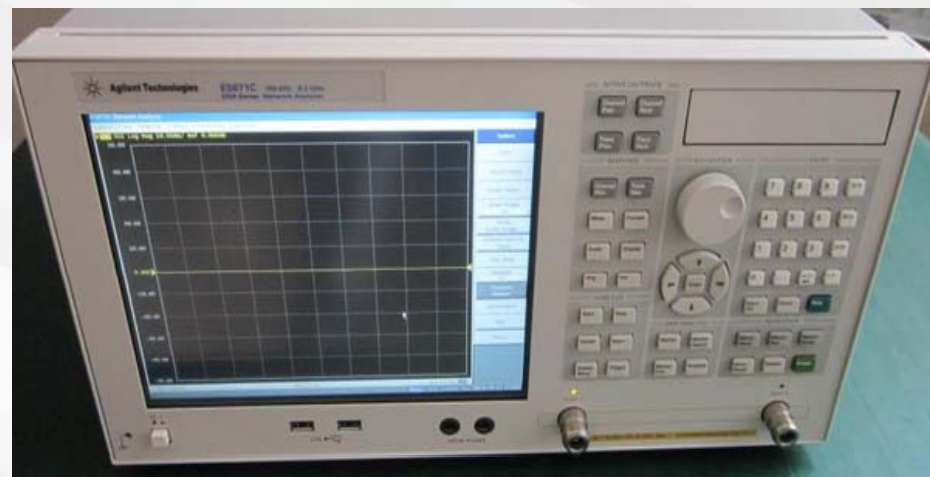
Shanghai Saintenna Wireless Technology Co., LTD.

Project Information

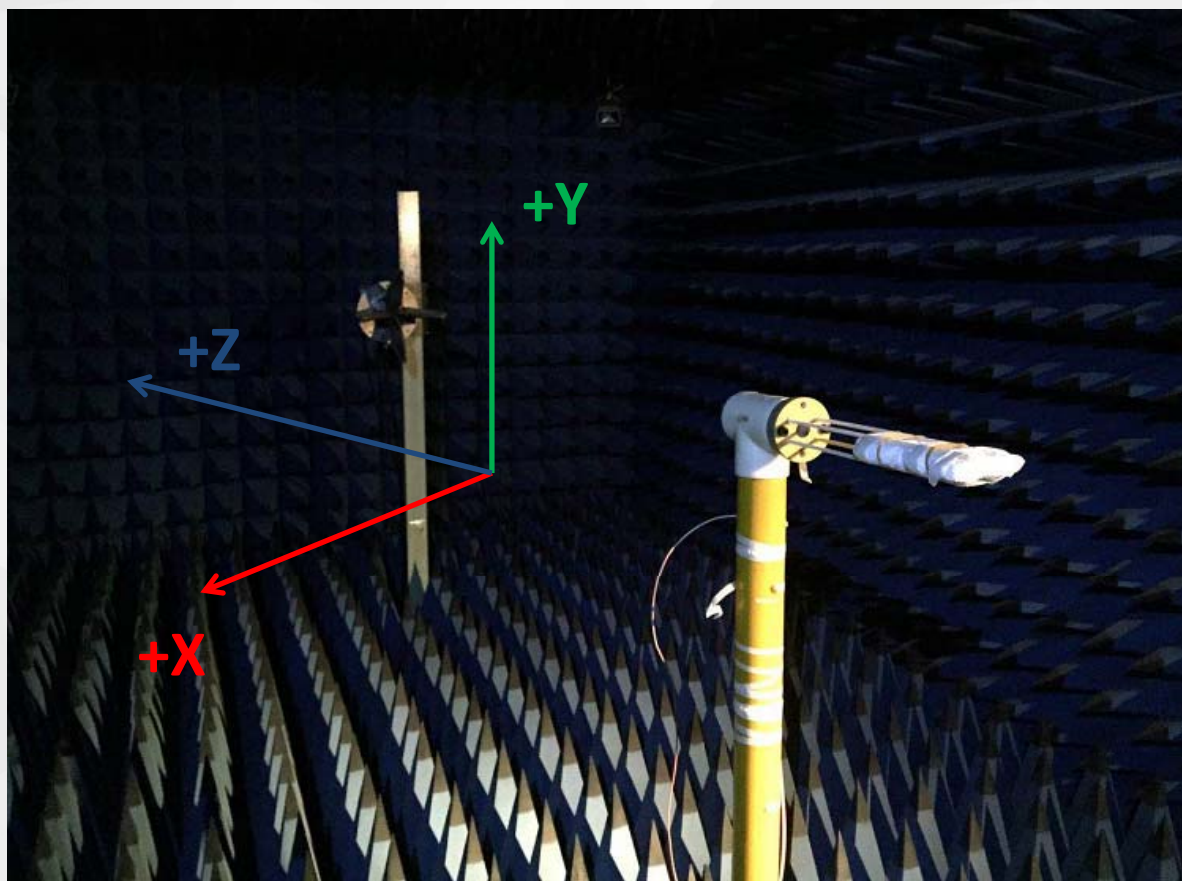
Customer Name	Solax
Project Name	Pocket V5
Working Band	2400MHz-2500MHz
Description	
Version	V1.0
Date	2024-01-17

Develop testing instruments

Model	Agilent E5071CE5071C
Frequency Range	100KHz ~ 8.5GHz
Test Content	Return Loss/VSWR/Smith Chart /Isolation



Anechoic Chamber



Combined-Axes System

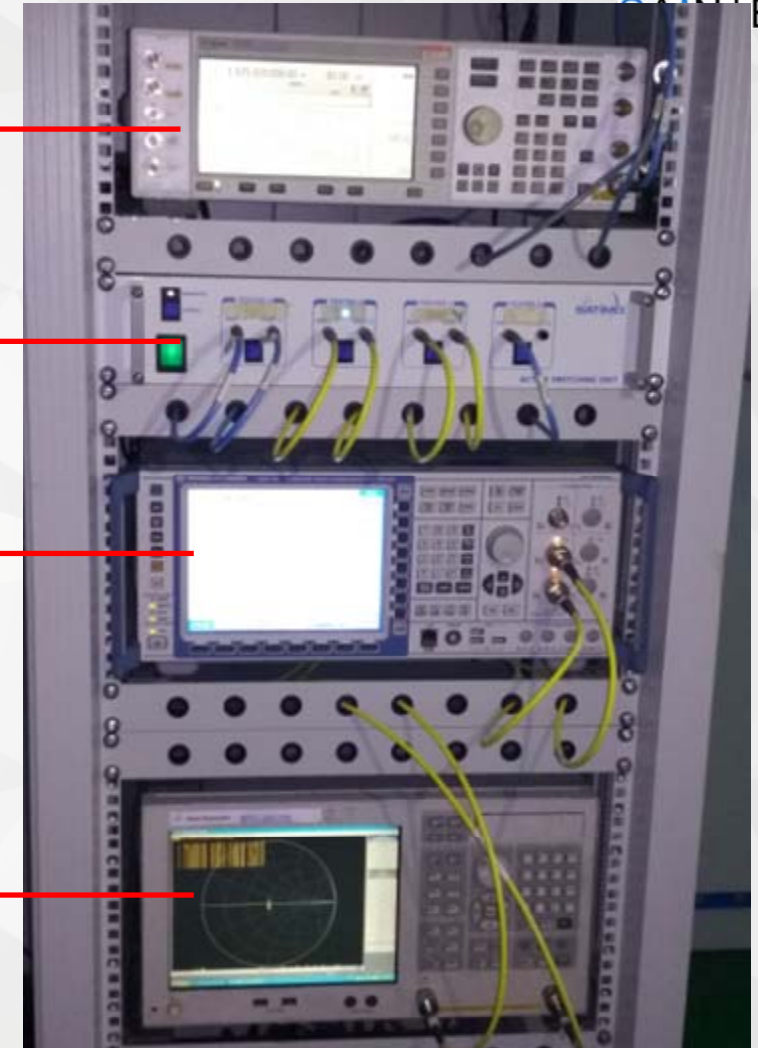
Testing equipment picture

Model	Agilent signal generator E4438CE4438C
Test Content	GPS

Model	RF Switch Unit
-------	----------------

Model	Radio communication Testor R&S CMW500
Test Content	Active test (2/3/4G)/WiFi 802.11b/g/a/n

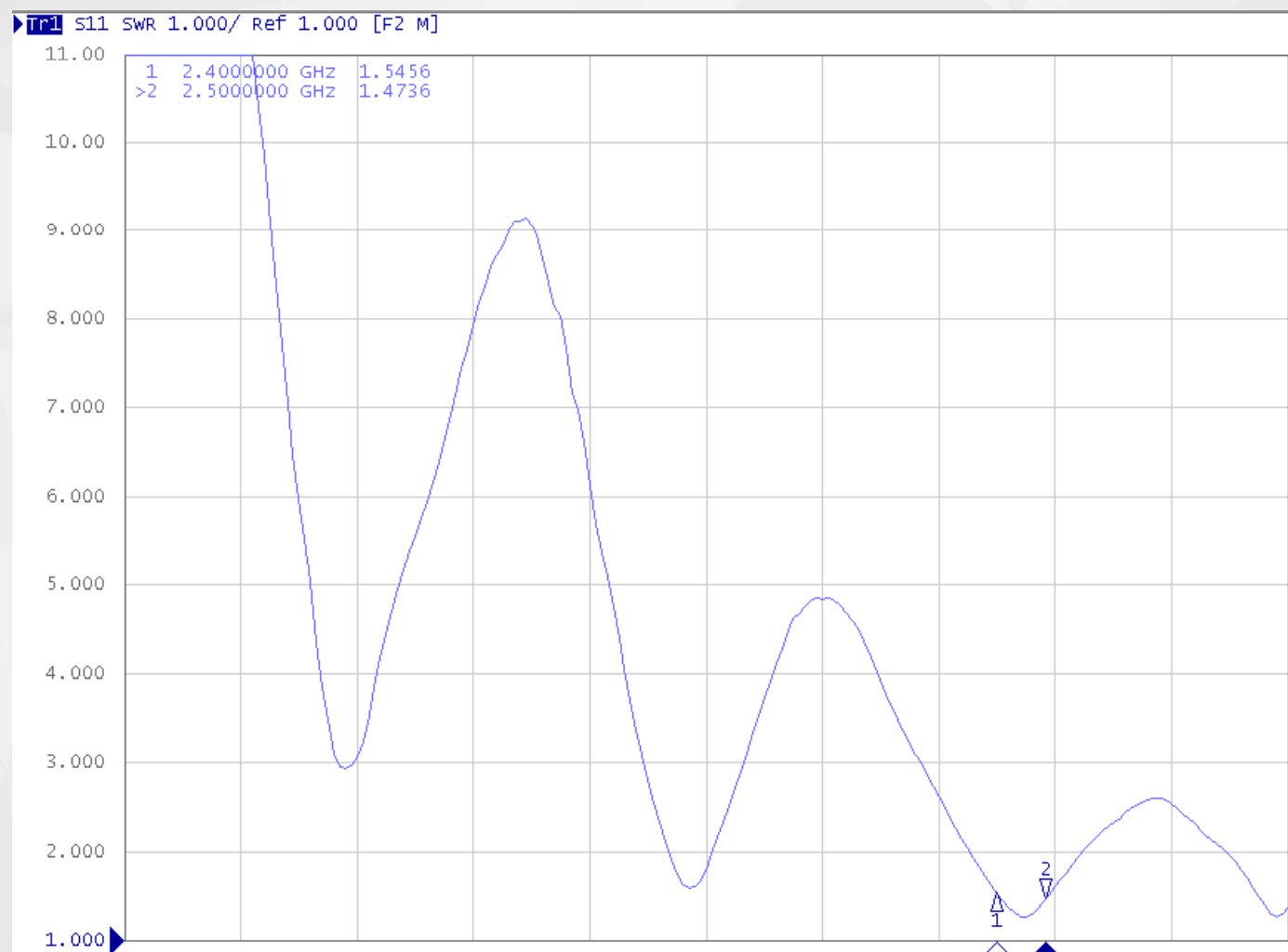
Model	Agilent Network Analyzer E5071C
Test Content	Passive Test (400MHz~8GHz)



Antenna Picture



VSWR

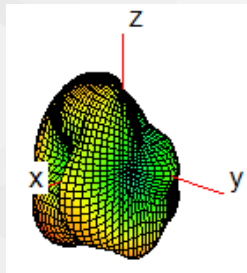


Test Result – Passive

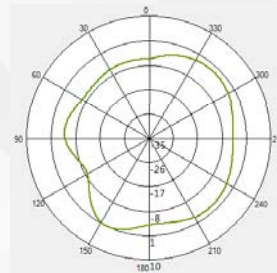
Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	0.27	50.36
2410	0.26	53.13
2420	0.47	54.02
2430	0.7	55.07
2440	0.86	56.04
2450	0.74	54.83
2460	0.72	53.61
2470	0.75	53.83
2480	0.42	52.27
2490	0.24	50.63
2500	0.12	46.47

Test Result – Passive

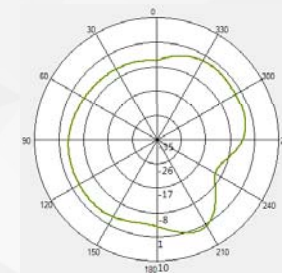
2400MHz



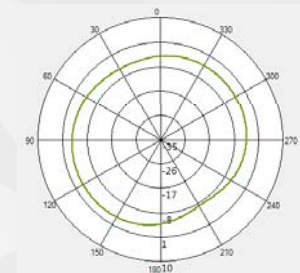
E1



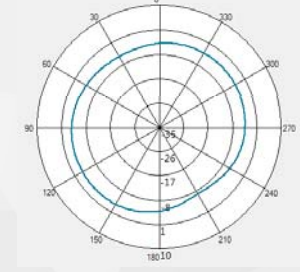
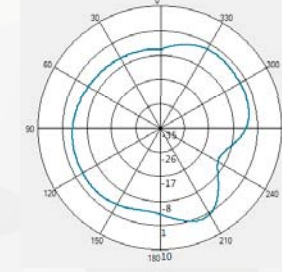
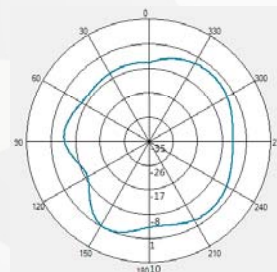
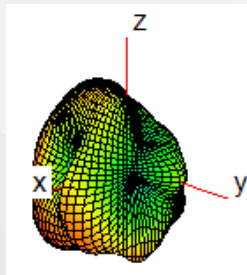
E2



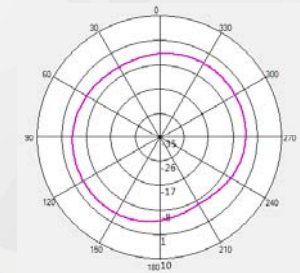
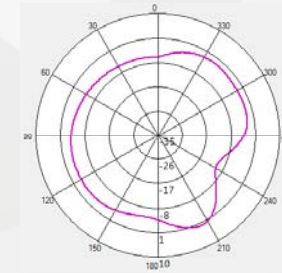
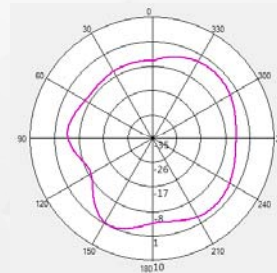
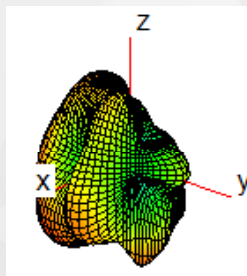
H



2450MHz



2500MHz



Active

band	channel	TRP	channel	TIS
WIFI-B	1	18.36	1	85.19
	7	19.17	7	86.23
	13	17.58	13	84.81