



Uniform (Shenzhen) Communication Co.,Ltd.

Confirmation of Sample

The Main Antenna Sample Confirmation

文件编号: SNW-QR-D-007/A.1

Customer	Hui lianyun		
Project Name	ALL IN ONE COMPUTER		2025-6-23
		Date	
Project NO.			FPC
	Notes		
Frequency Range	WIFI:2400MHz~2500MHz/5150MHz~5850MHz		
Designed By	RF Engineer	Structural Engineer	
	Liu Yong	Bruce Lee	
Checked By	Engineering Manager		
	Chen Xiongjie		
Client' s Approval			

Designer: Uniform (Shenzhen)CommunicationCo.,Ltd

Add: 5th Floor, Building C, Sanhe Industrial Park, Yongxin Street, Yingrenshi Community, Shiyan Subdistrict, Bao'an District, Shenzhen Cit



Uniform (Shenzhen) Communication Co.,Ltd.

Confirmation of Sample

Table of Contents

1. Cover.....	1
2. Table of Contents.....	2
3. Specification Overview	3
3.1 appearance; exterior; looks	3
4. electrical properties	4
4.1. antenna frequency band	4
4.2. matching circuit.....	4
5. (Log mag+smith)	5
6. Data	6-12
7. structural drawings	13



Uniform (Shenzhen) Communication Co.,Ltd.

Confirmation of Sample

3 Specification Overview

This specification describes the status of the antenna, which operates in the WiFi frequency band

3.1 appearance; exterior; looks





Confirmation of Sample

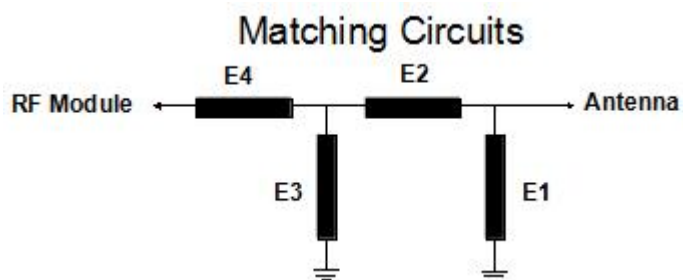
4. electrical properties

4.1 Antenna Bands

Antenna	WIFI
operating frequency	2400MHz~2500MHz 5150MHz~5850MHz

4.2 Matching Circuit

Element	Value
E1	0NH
E2	0 Ω
E3	NC
E4	0 Ω

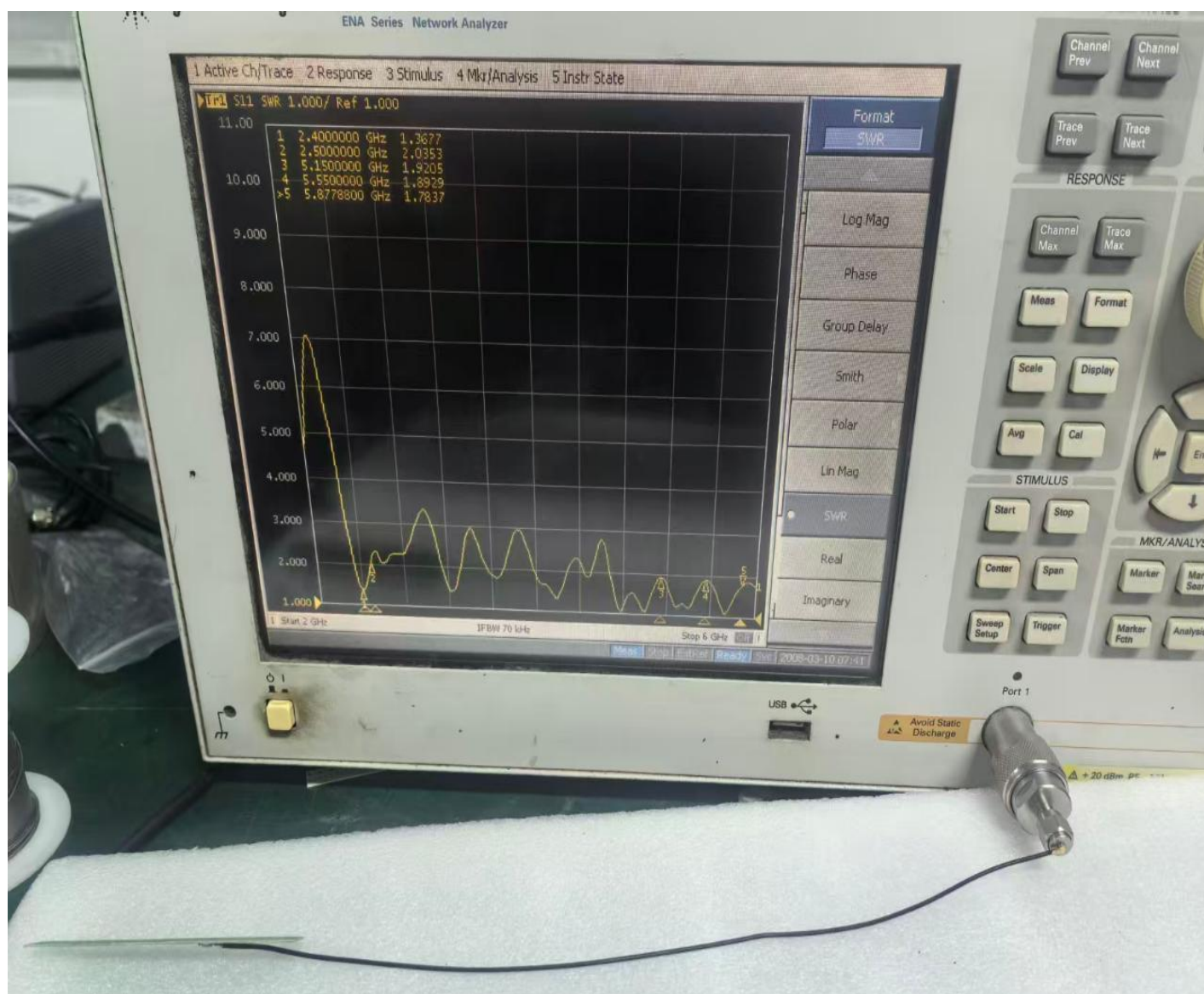




Uniform (Shenzhen) Communication Co.,Ltd.

Confirmation of Sample

5. Log mag+SMith

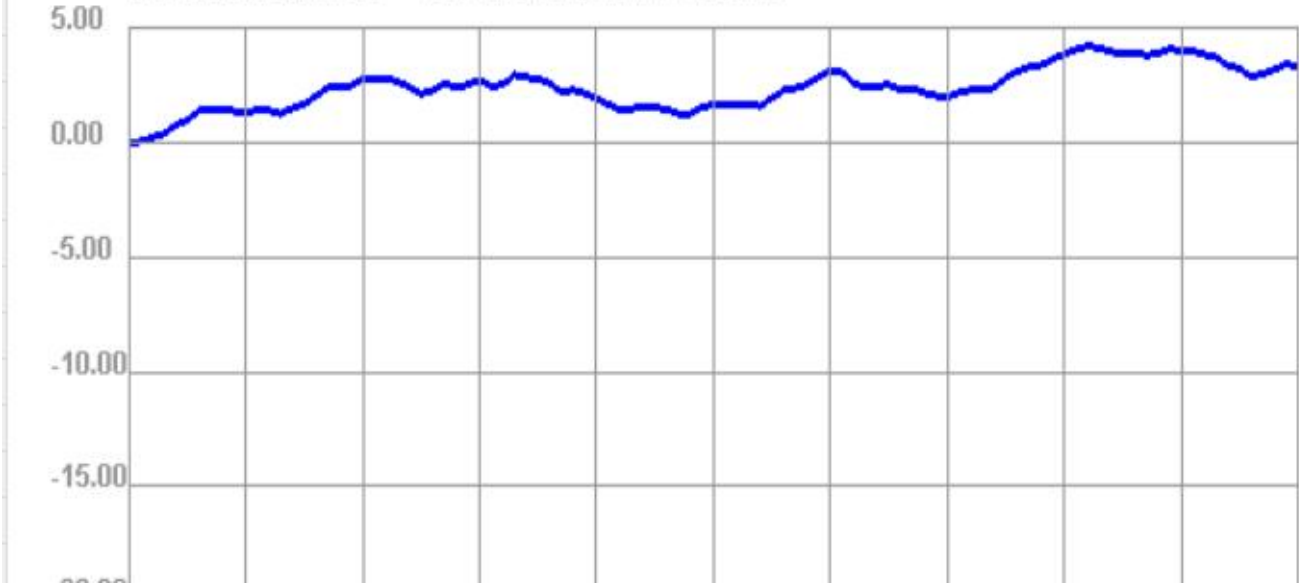




6. Data

Passive Test For 2-3G			Application Information	
Freq (MHz)	Effi (%)	Gain (dBi)	04Version	5. 271. 371
			TotalTime	5m 11s 211ms
2400	51. 86	1. 9		
2410	50. 81	1. 65		
2420	49. 8	1. 4		
2430	51. 24	1. 47		
2440	52. 56	1. 52		
2450	51. 11	1. 51		
2460	48. 56	1. 42		
2470	46. 47	1. 22		
2480	45. 87	1. 23		
2490	50. 3	1. 51		
2500	53. 44	1. 66		
3000	68. 72	3. 24		

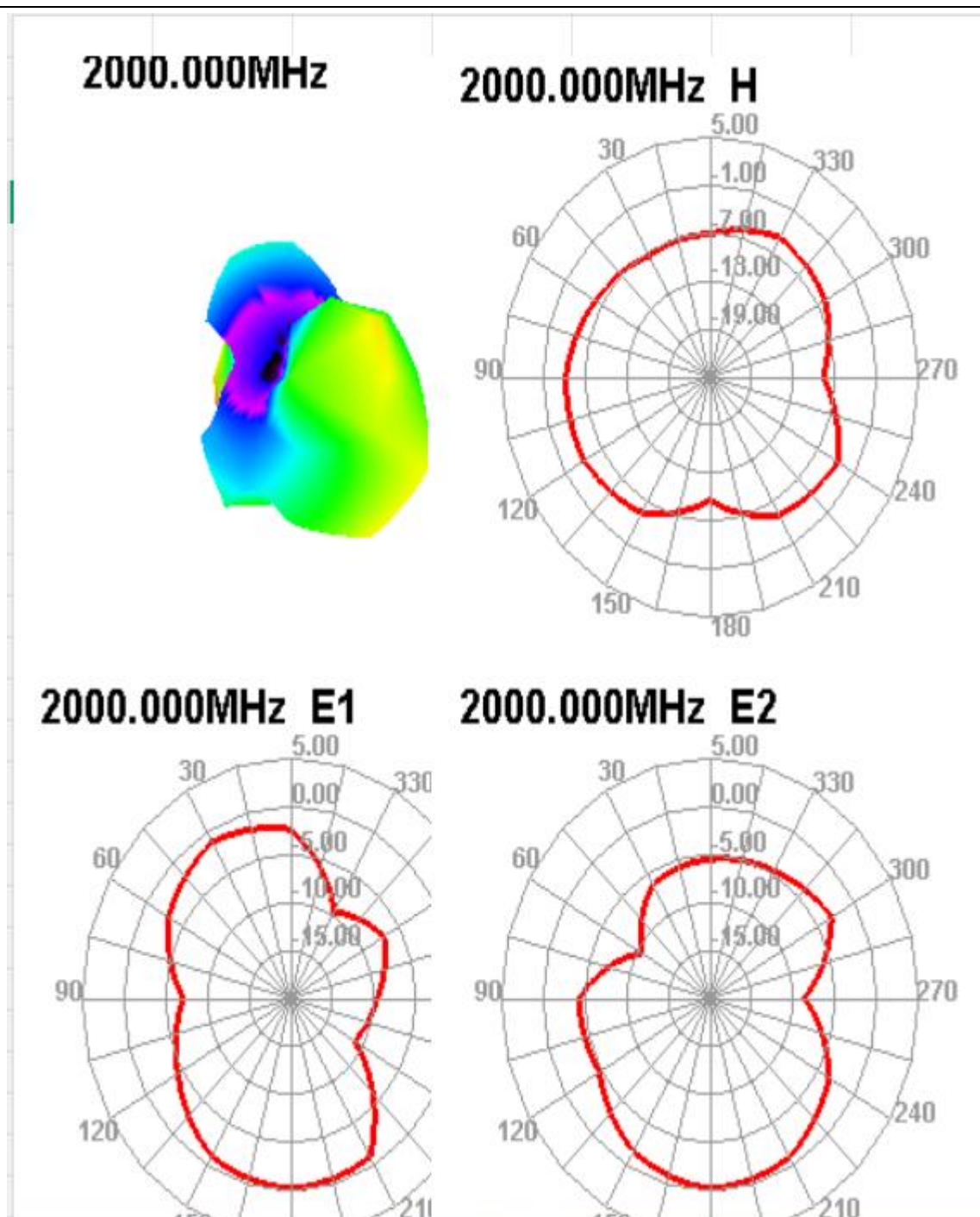
2000.00MHz - 3000.00MHz Gain





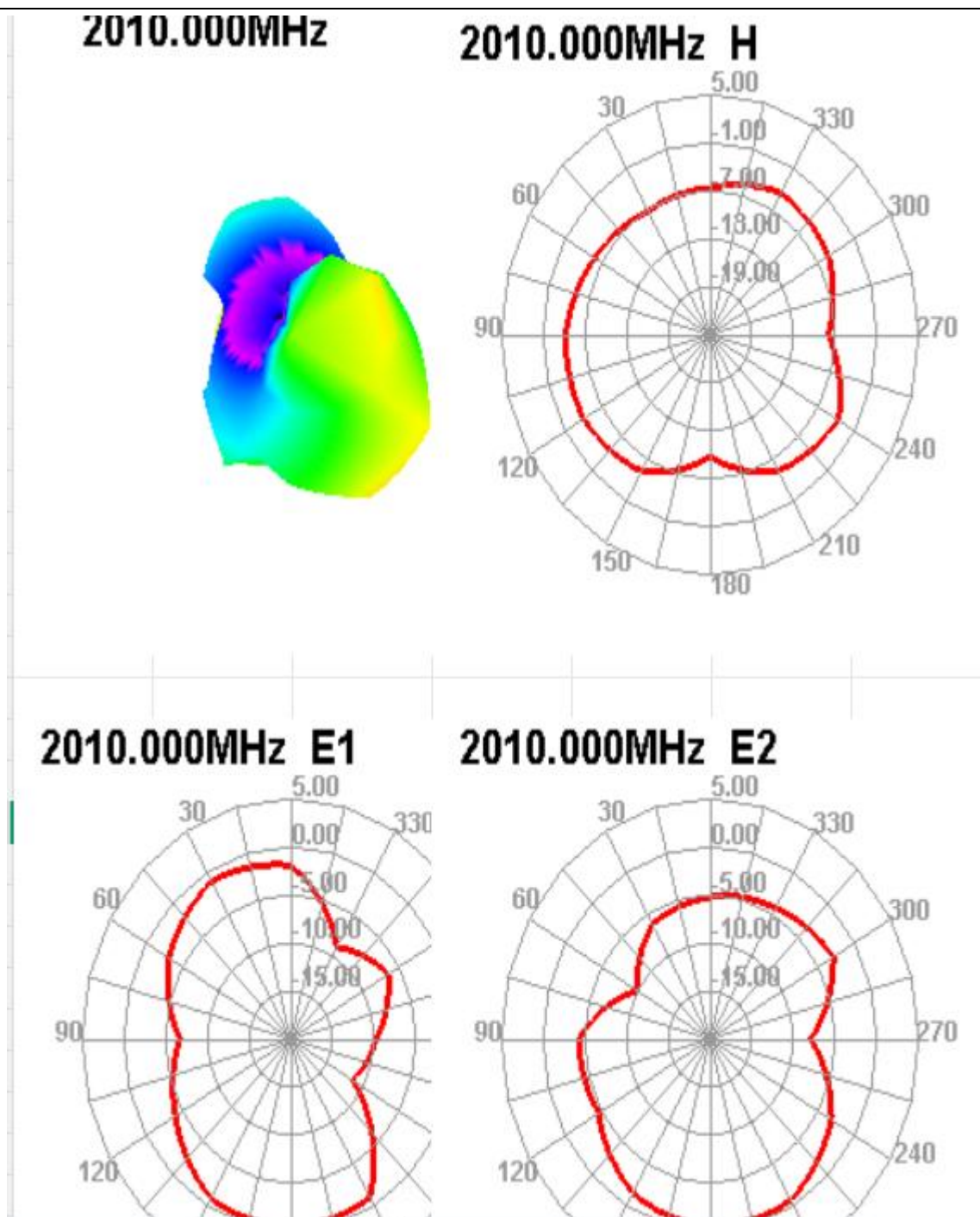
Uniform (Shenzhen) Communication Co.,Ltd.

Confirmation of Sample





Confirmation of Sample





Uniform (Shenzhen) Communication Co.,Ltd.

Confirmation of Sample

WIFI5G Data

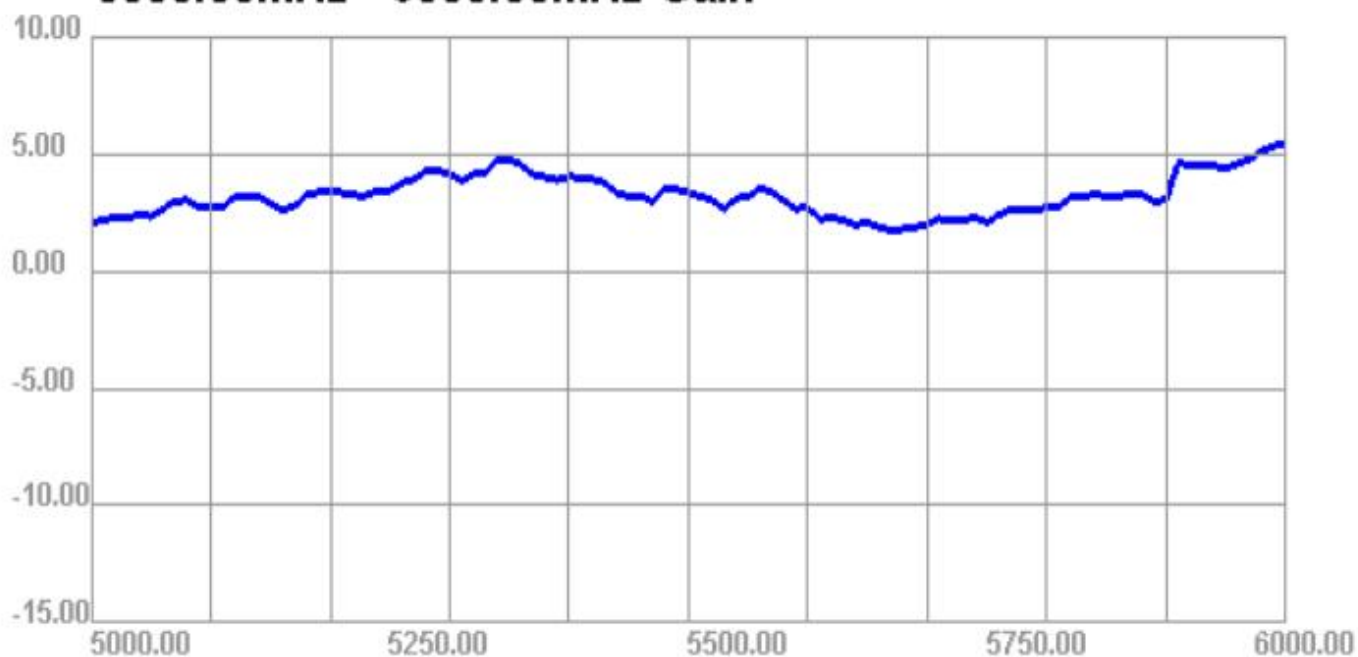
Passive Test For WiFi5G		
Freq (MHz)	Effi (%)	Gain (dBi)
5000	44.06	2.07
5010	44.82	2.18
5020	46.1	2.33
5030	44.91	2.28
5040	46.99	2.42
5050	45.79	2.35
5060	49.45	2.66
5070	52.68	3.01
5080	52.92	3.03
5090	49.15	2.76
5100	48.43	2.71
5110	48.3	2.75
5120	52.98	3.18
5130	53.32	3.21
5140	53.7	3.21
5150	49.86	2.87
5160	47.07	2.63
5170	46.31	2.77
5180	48.85	3.25
5190	47.93	3.38
5200	48.71	3.45
5210	47.49	3.35
5220	46.6	3.25
5230	45.66	3.23
5240	45.9	3.46
5250	44.46	3.46
5260	45.93	3.76
5270	46.26	3.94
5280	48.99	4.28
5290	48.93	4.29
5300	47.58	4.15
5310	44.71	3.85
5320	46.72	4.15
5330	45.83	4.19
5340	51.05	4.76
5350	51	4.8
5360	48.19	4.54
5370	44.61	4.11
5380	44.24	4.03
5390	43.29	3.89
5400	45.67	4.02

5450	41.24	3.21
5460	42.22	3.25
5470	39.83	2.96
5480	45.18	3.5
5490	45.16	3.5
5500	44.44	3.35
5510	44.16	3.21
5520	42.35	3.01
5530	40.15	2.66
5540	44.42	3.11
5550	44.53	3.19
5560	47.56	3.55
5570	46.21	3.4
5580	41.17	3
5590	38.54	2.67
5600	39.31	2.74
5610	35.42	2.2
5620	36.98	2.32
5630	35.48	2.16
5640	33.25	1.97
5650	34.47	2.09
5660	33.36	1.89
5670	31.26	1.71
5680	31.43	1.82
5690	31.59	1.89
5700	31.42	2.01
5710	33.52	2.26
5720	32.82	2.14
5730	33.38	2.2
5740	34.29	2.28
5750	33.41	2.09
5760	35.99	2.41
5770	38.16	2.63
5780	37.04	2.64
5790	36.8	2.64
5800	36.82	2.72
5810	36.69	2.75
5820	39.1	3.15
5830	39.21	3.2
5840	38.23	3.27
5850	37.72	3.23



Confirmation of Sample

5000.00MHz - 6000.00MHz Gain



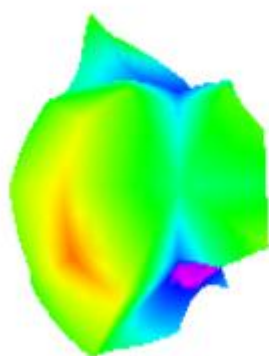
5000.00MHz - 6000.00MHz Efficiency



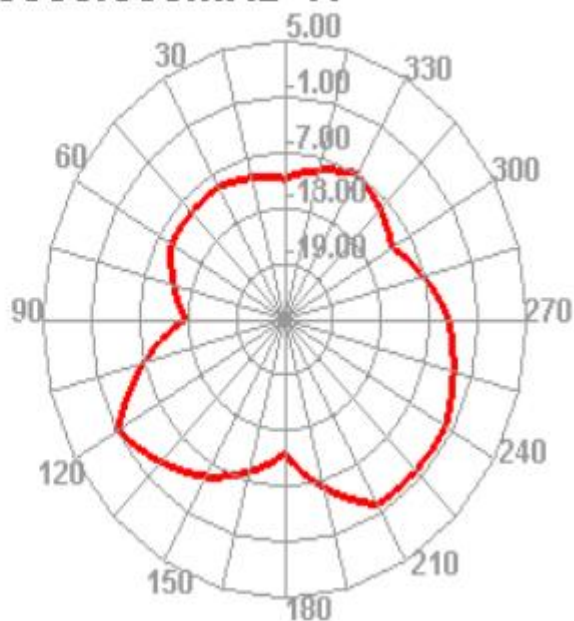


Confirmation of Sample

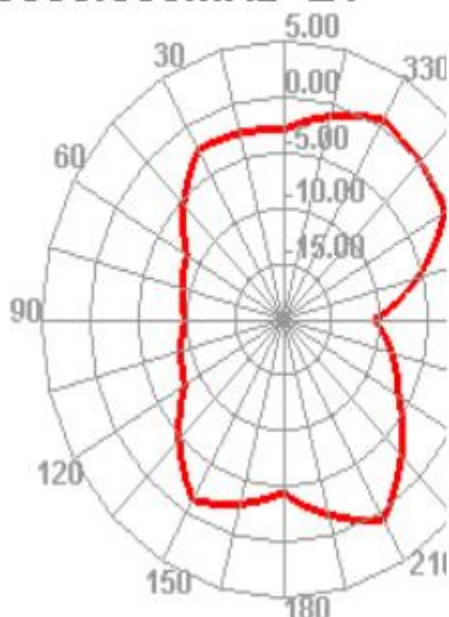
5000.000MHz



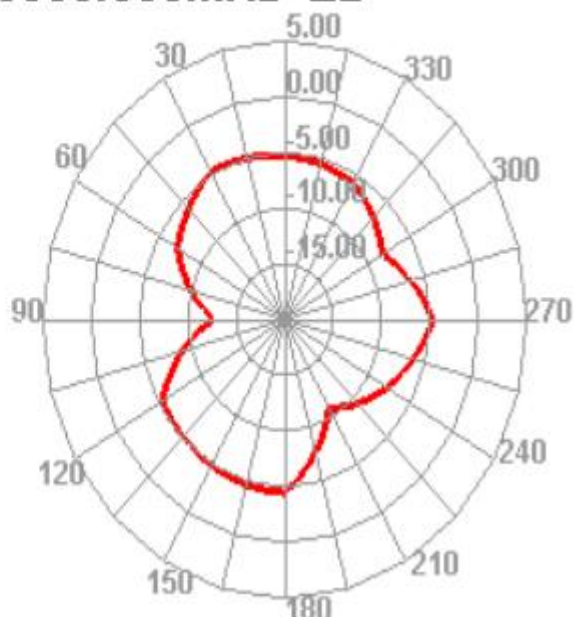
5000.000MHz H



5000.000MHz E1

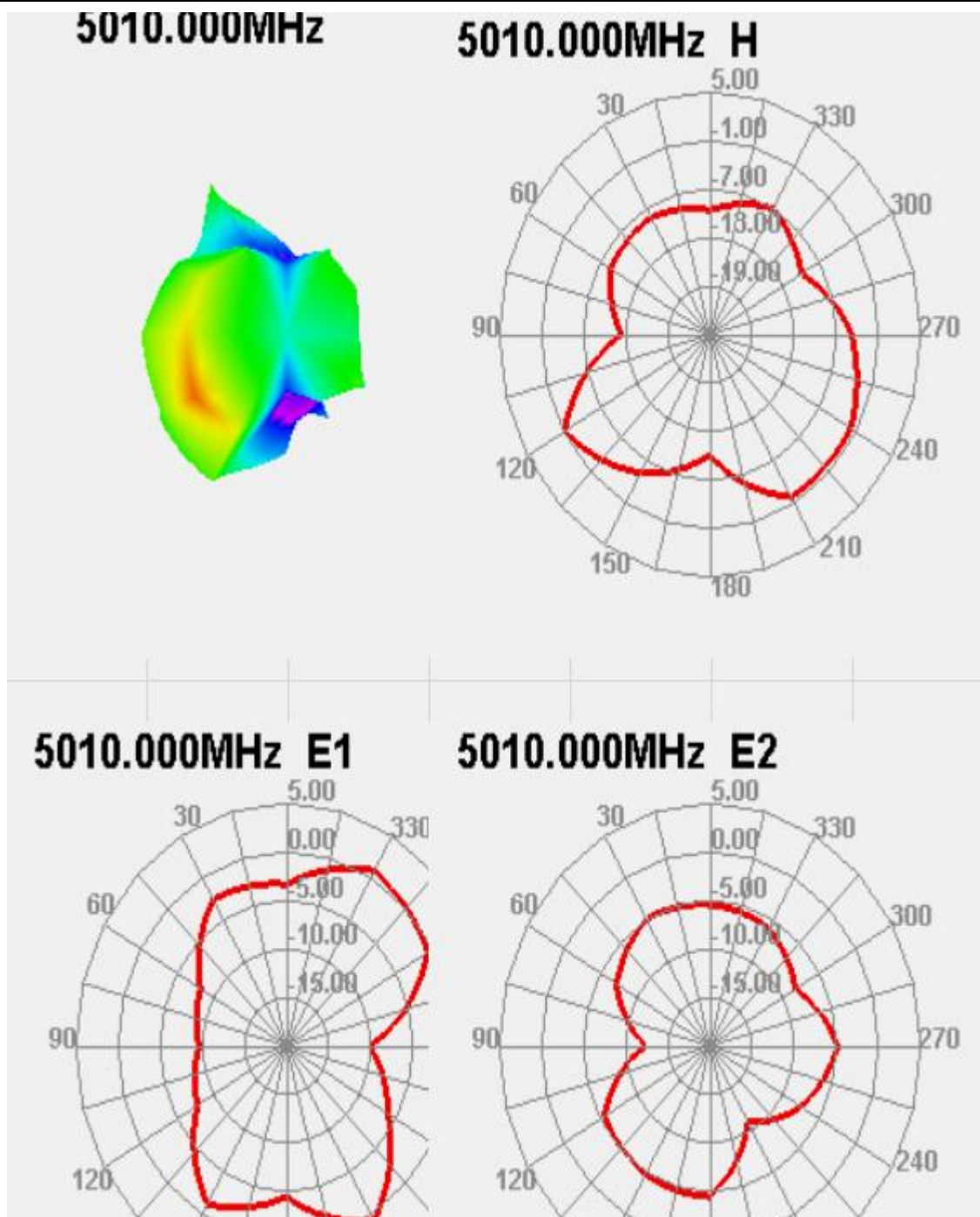


5000.000MHz E2





Confirmation of Sample





Confirmation of Sample

7. structural drawings

