

TEST REPORT

<b>Customer</b>	Guangzhou Shikun Electronics Co., Ltd / NO.6 Liankun Road, Huangpu District, Guangzhou, China
<b>Project Name</b>	SKO.WB822CU.3 PCB antenna
<b>Customer NO.</b>	
<b>specification</b>	
<b>Supplier NO.</b>	
<b>Specification NO.</b>	
Write by	Hongliang.Zhou
<b>REV.</b>	Ver.01
<b>Date</b>	2022/11/08
<b>Note</b>	

CUSTOMER APPROVED BY		
Approved by	Checked by	Prepared by
周钊		
SUPPLIER APPROVED BY		
Approved by	Checked by	Prepared by



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## 2. Test Equipment & Conditions

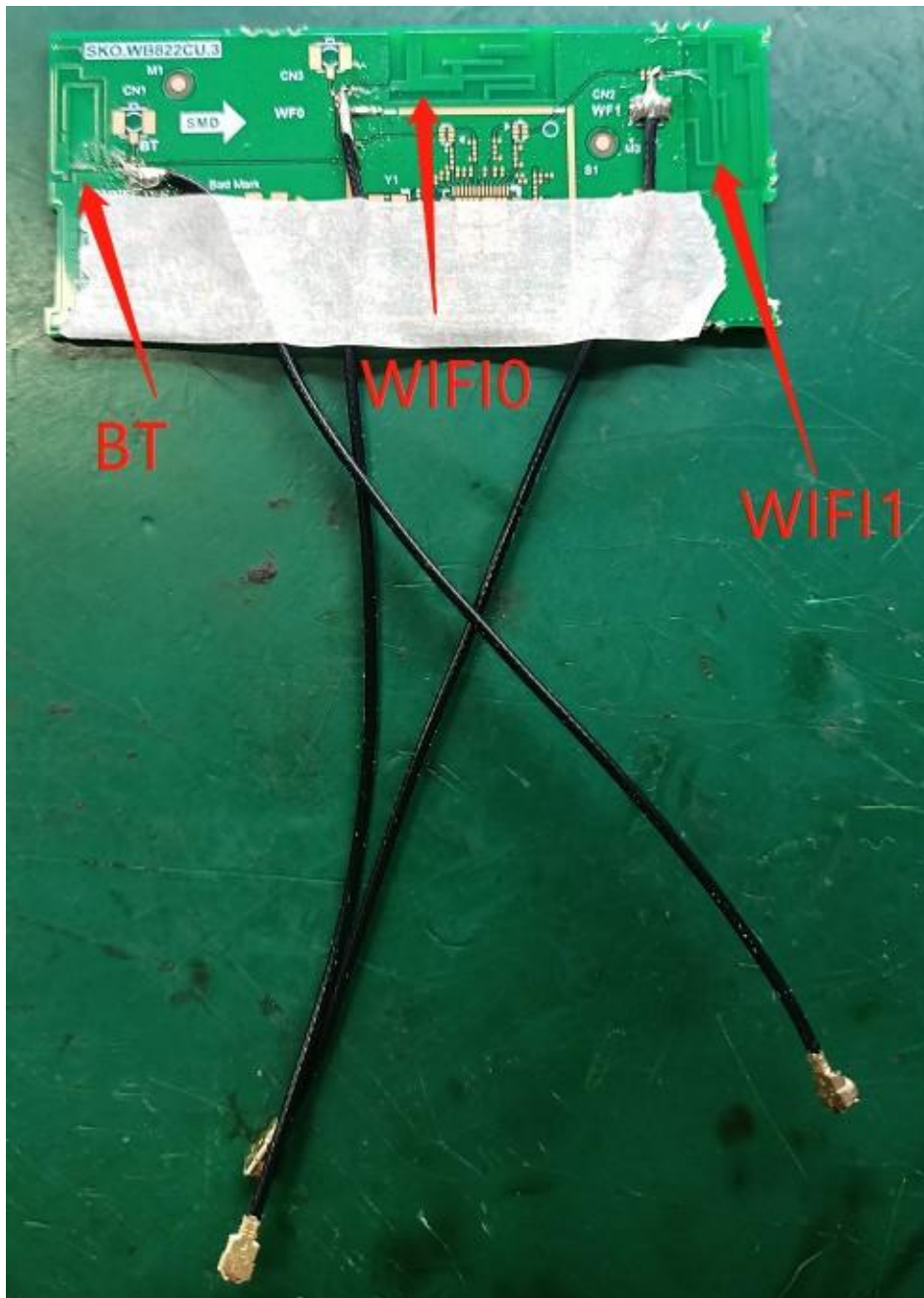
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System: Feitu Test System

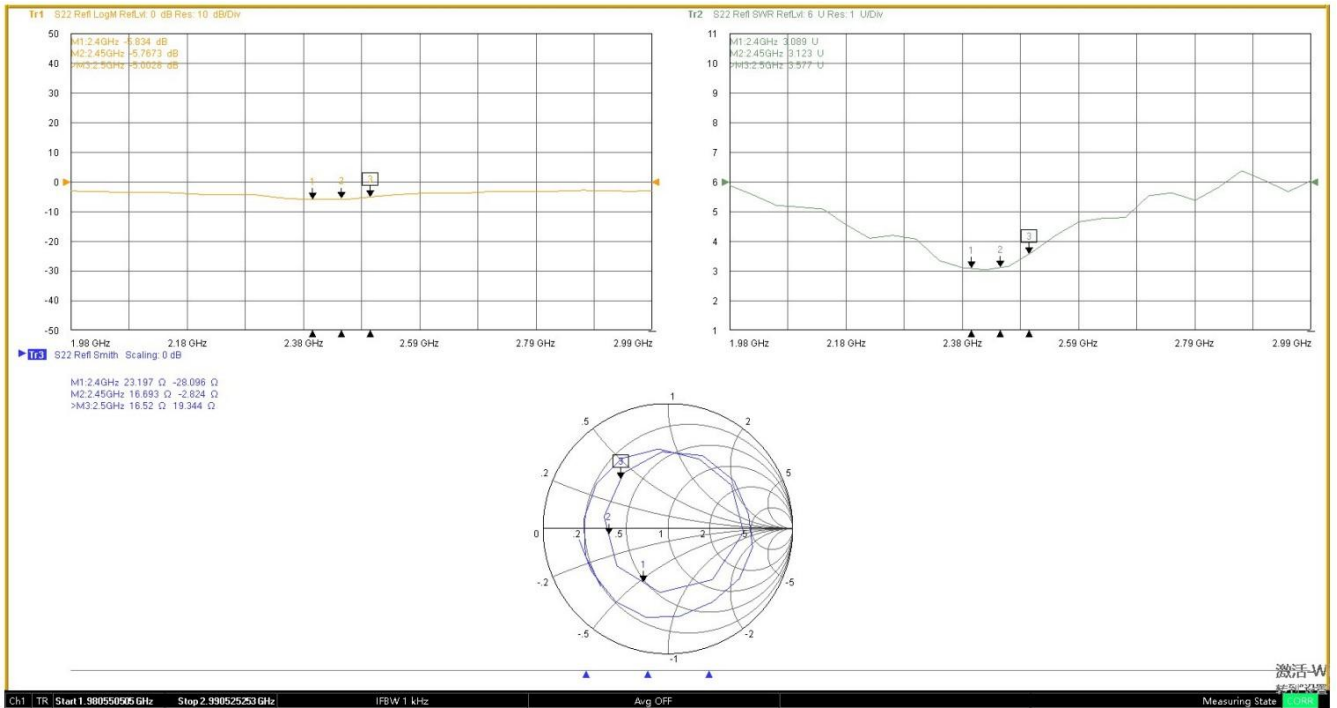


### 3. Mechanical instruction

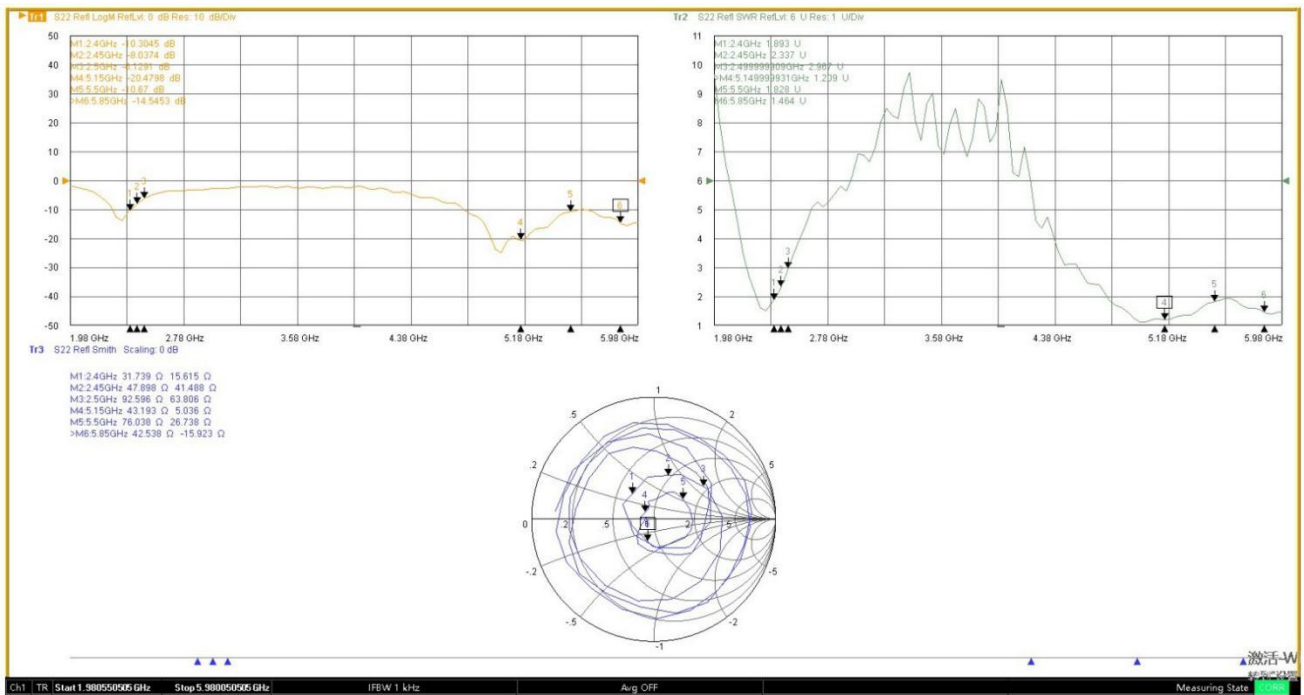




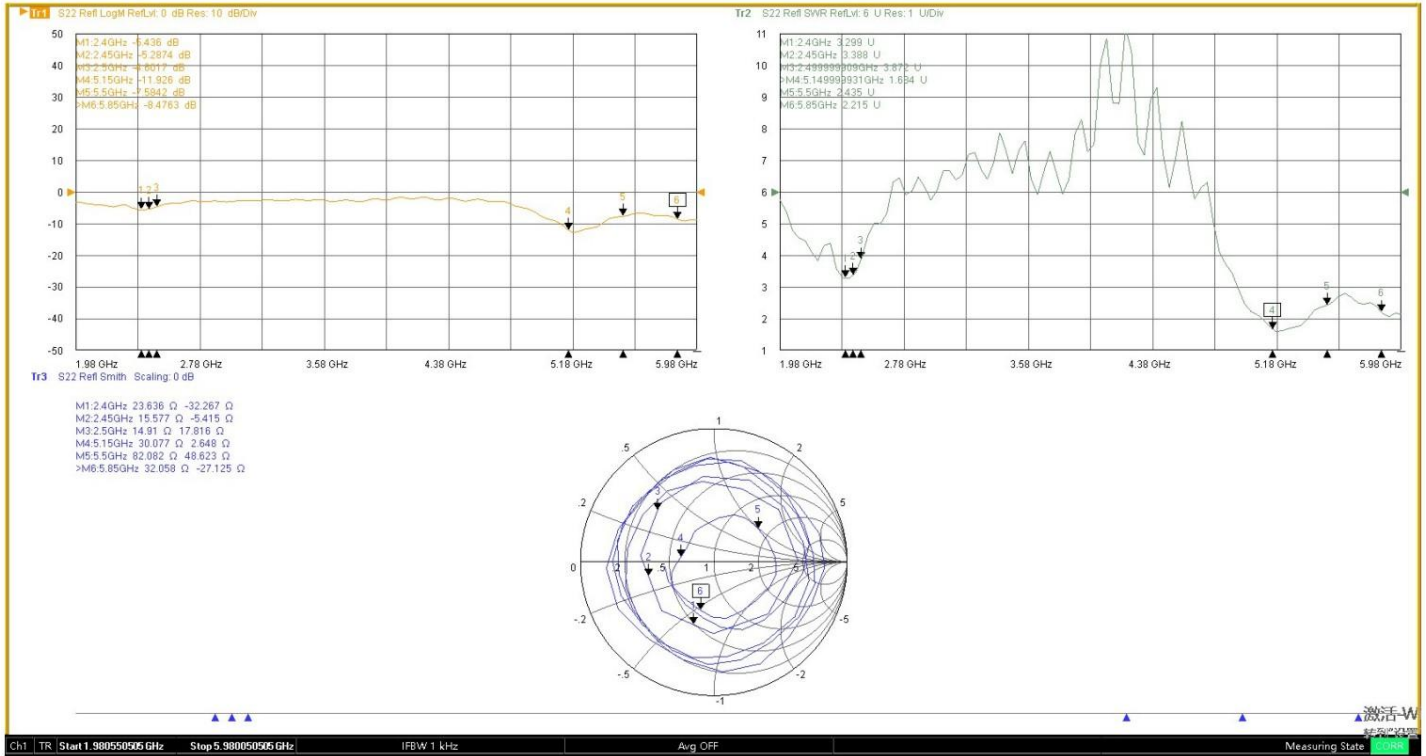
## S11-BT:



## S11-WIFI0:



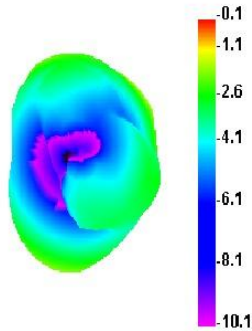
S11-WIFI1:



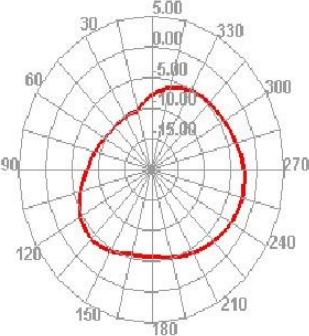
Gain/Effi/3D-Model(BT):

Freq	(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Effi	(%)	31.45	33.87	30.52	33.77	34.74	31.53	34	32.78	36.4	37.09	36.22
Gain	(dBi)	-0.13	0.23	-0.29	0.18	0.14	-0.32	-0.27	-0.48	-0.16	0.11	0.22

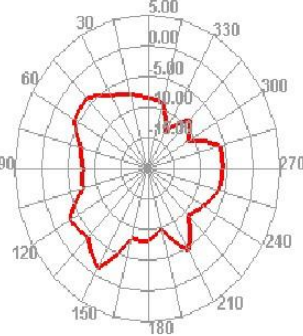
2400.000MHz



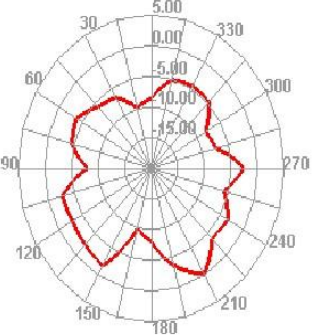
2400.000MHz H



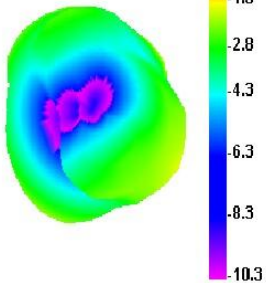
2400.000MHz E1



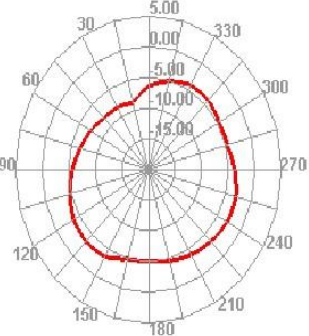
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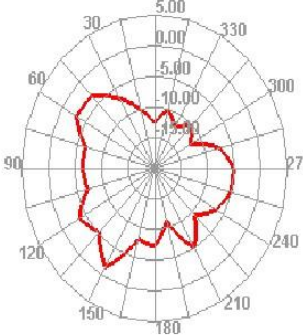
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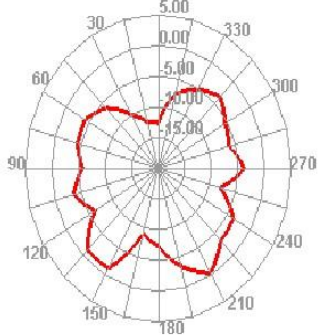
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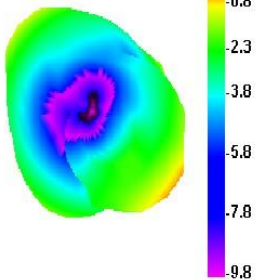
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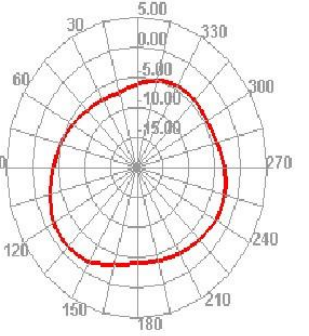
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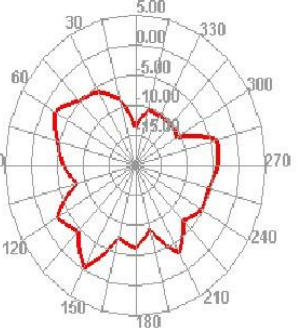
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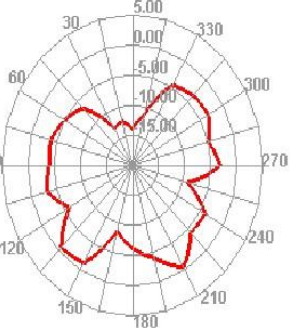
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2500.000MHz E1



2500.000MHz E2

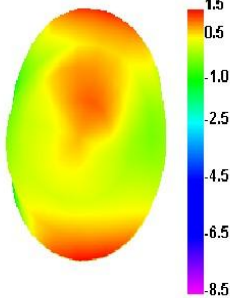




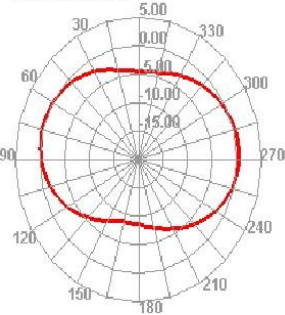
Gain/Effi/3D-Model(WIFI0):

Freq	(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500					
Effi	(%)	49.64	51.21	46.12	48.7	49.3	41.53	42.86	41.16	40.91	41.35	38.92					
Gain	(dBi)	1.51	1.61	1.14	1.46	1.51	0.78	0.83	0.71	0.67	0.77	0.52					
Freq	(MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	
Effi	(%)	55.77	54.85	53.52	54.47	53.56	49.24	55.52	60.19	55.13	51.83	57.68	63.27	59.75	61.16	62.85	
Gain	(dBi)	2.26	2.25	2.34	2.64	2.7	1.98	1.96	2.28	1.73	1.41	2.05	2.19	1.93	1.84	2.24	

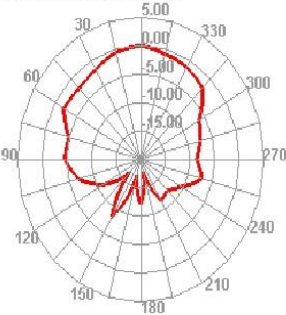
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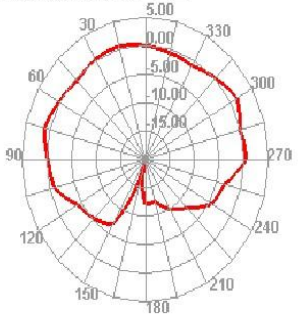
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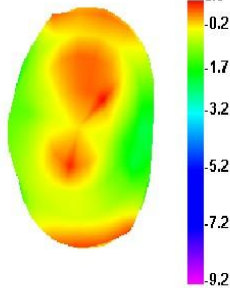
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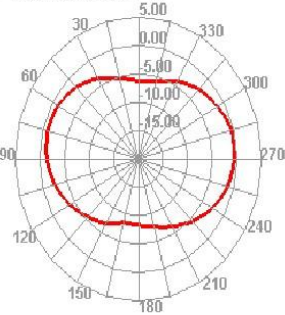
2400.000MHz E2



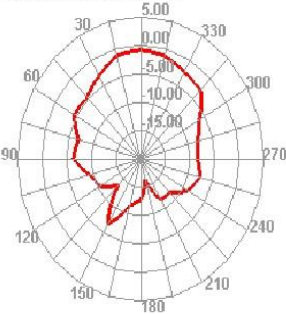
2450.000MHz



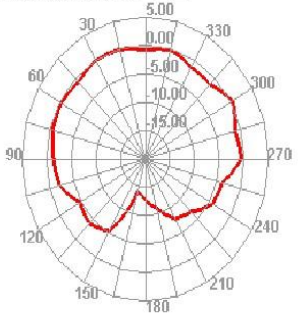
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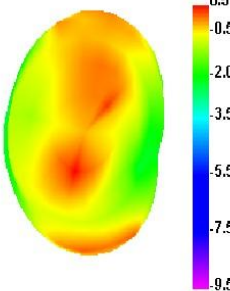
2450.000MHz E1



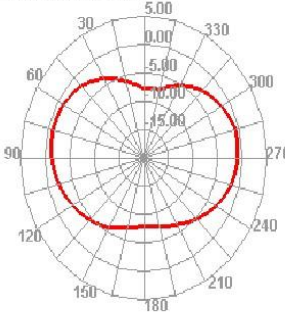
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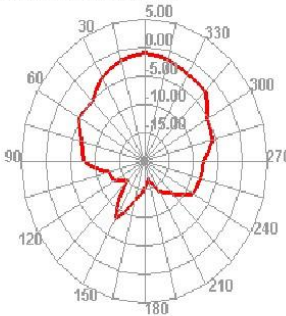
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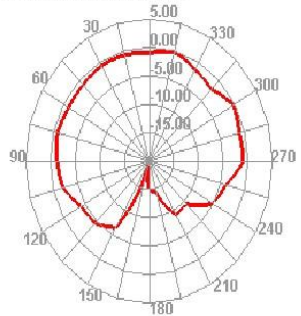
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2500.000MHz E1

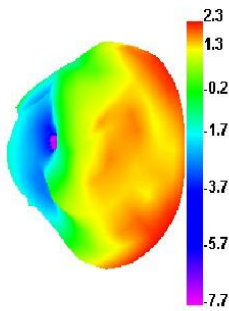


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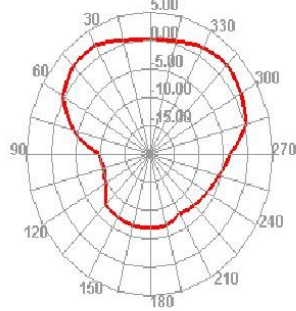


3D-WIFI0:

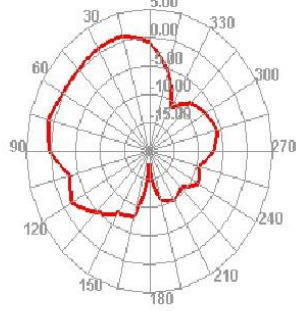
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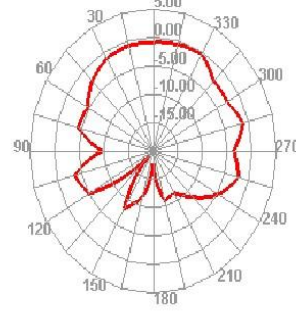
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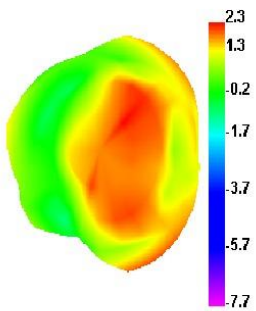
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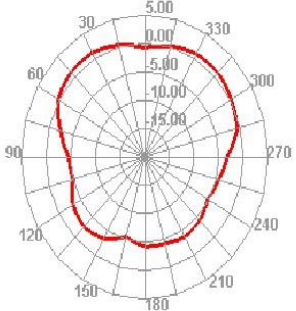
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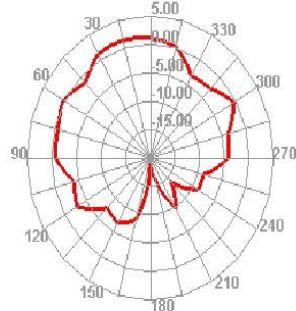
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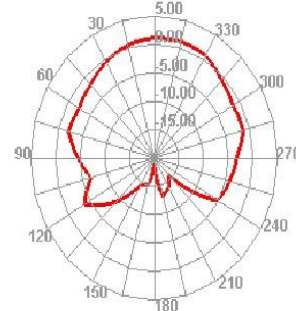
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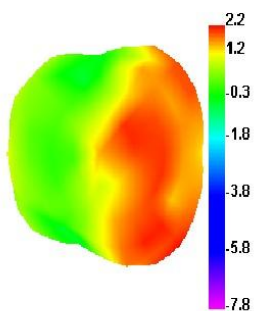
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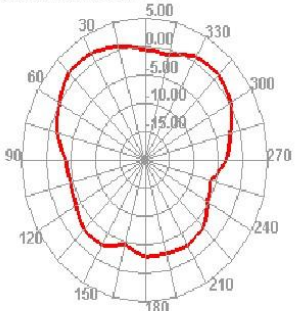
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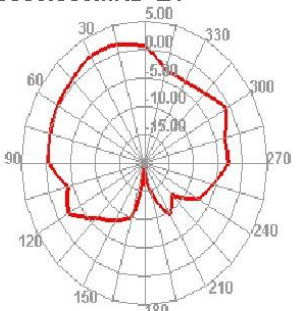
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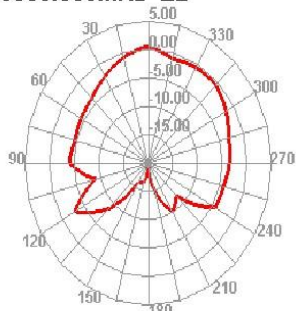
5850.000MHz H



5850.000MHz E1



5850.000MHz E2

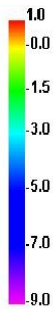
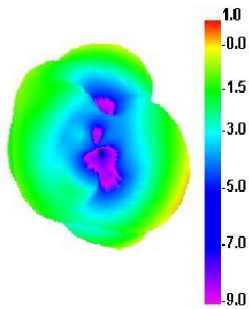




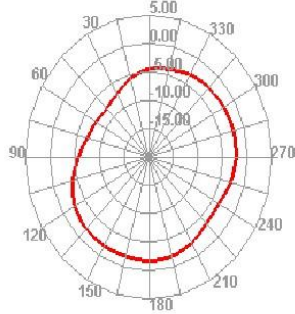
Gain/Effi/3D-Model(WIFI1):

Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500					
Effi (%)	49.59	49.94	44.44	46.69	45.1	41.14	40.51	35.74	39.67	37.62	35.92					
Gain (dBi)	0.99	0.99	0.28	0.43	0.13	-0.28	-0.52	-0.99	-0.35	-0.57	-0.88					
Freq (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	
Effi (%)	48.65	50.82	50.47	50.21	51.68	49.38	55.91	59.3	52.22	48.09	53.98	59.28	53.86	54.26	56.33	
Gain (dBi)	1.51	1.78	1.71	1.66	1.8	1.67	1.77	1.66	0.93	1.22	1.86	2.62	2.24	2.42	2.65	

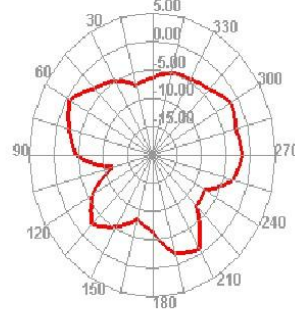
2400.000MHz



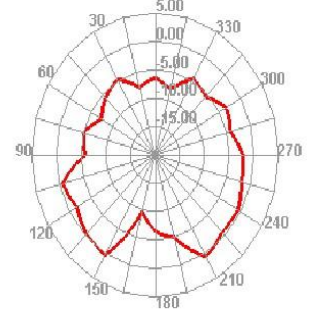
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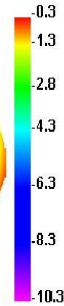
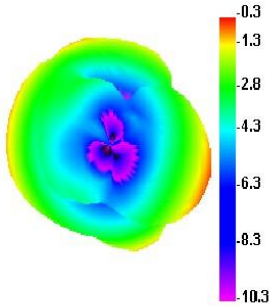
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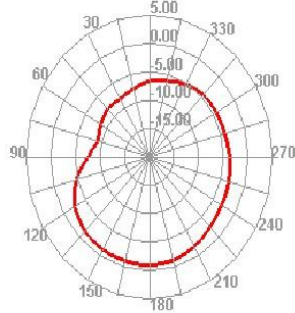
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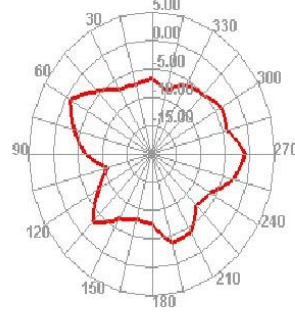
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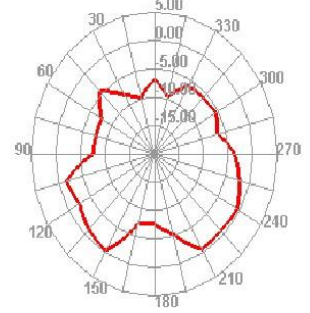
2450.000MHz H



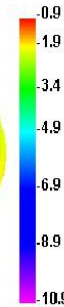
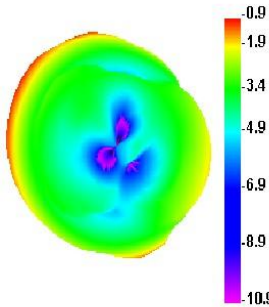
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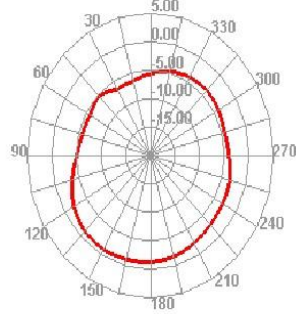
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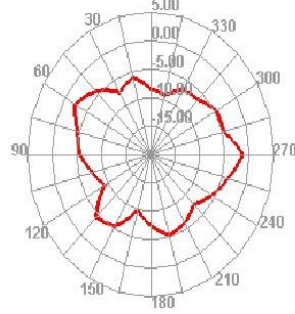
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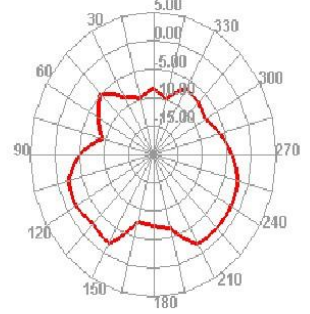
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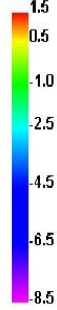
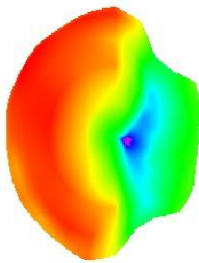
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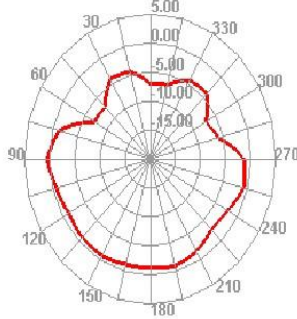
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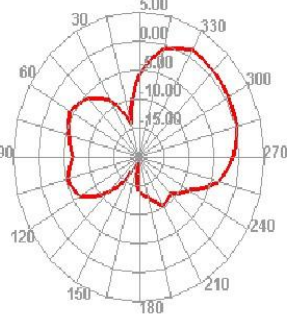
5150.000MHz



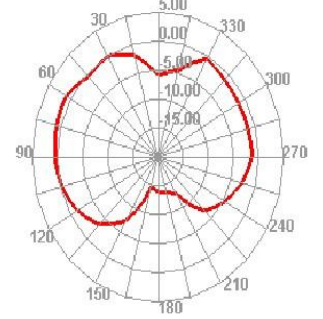
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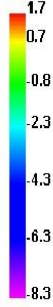
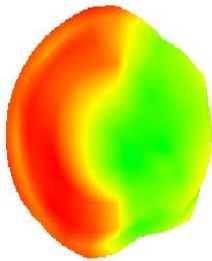
5150.000MHz E1



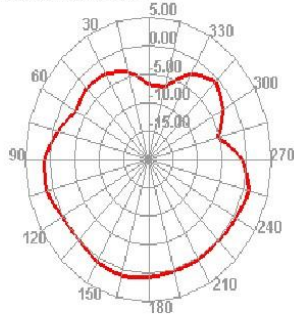
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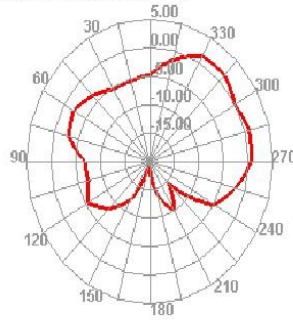
5500.000MHz



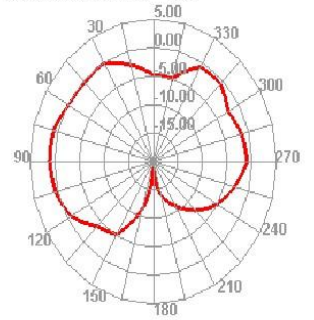
5500.000MHz H



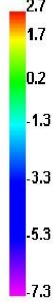
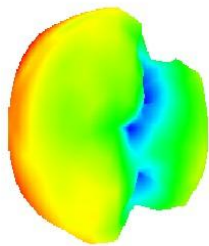
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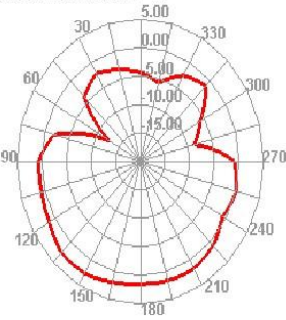
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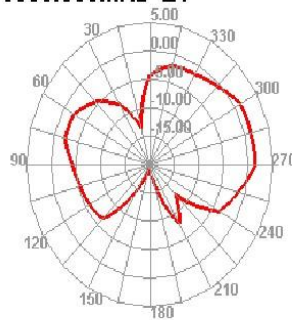
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

