

TEST REPORT

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

CUSTOMER APPROVED BY

Approved by	Checked by	Prepared by
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SUPPLIER APPROVED BY

Approved by	Checked by	Prepared by

[illegible]

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2. Test Equipment & Conditions

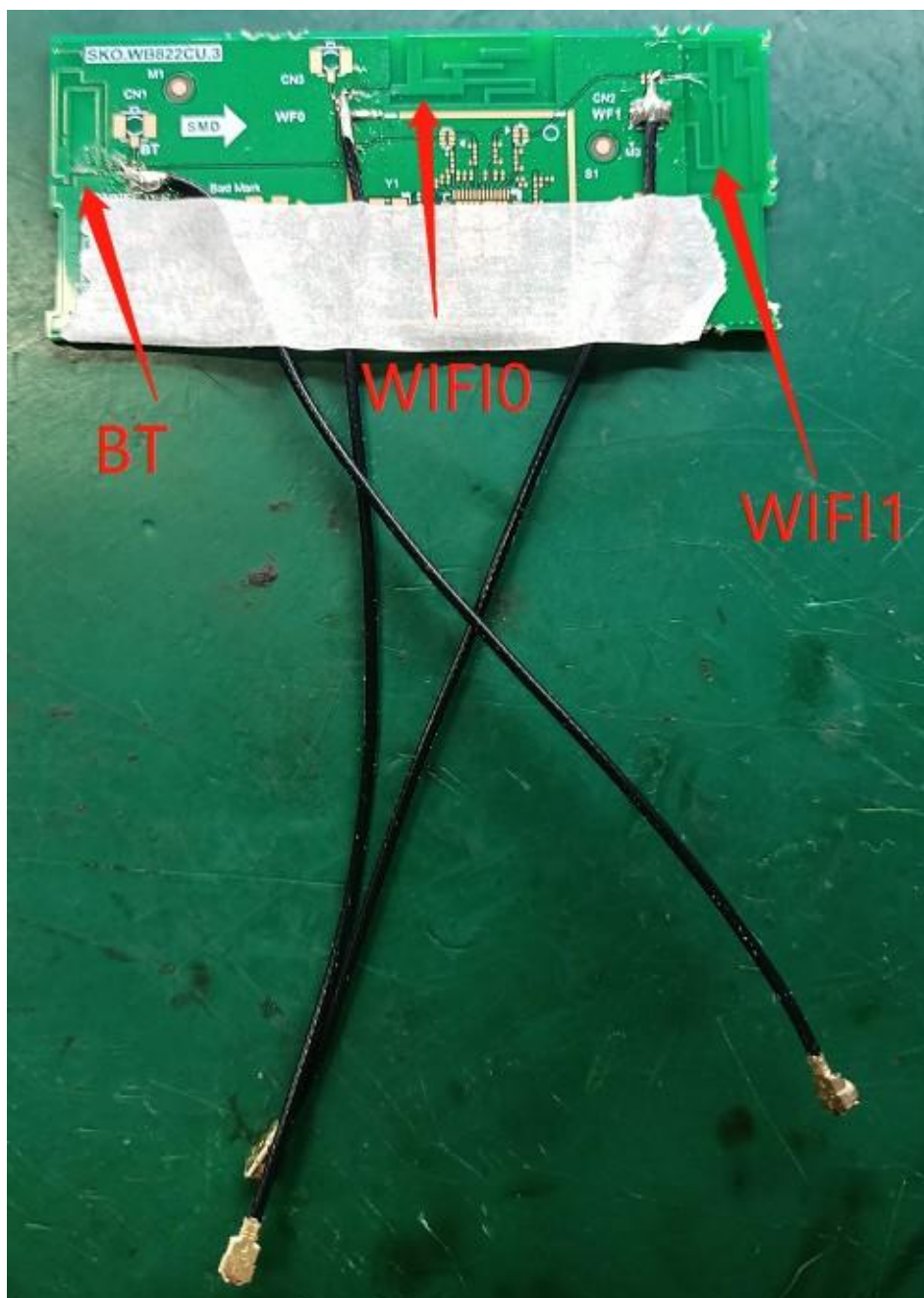
2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

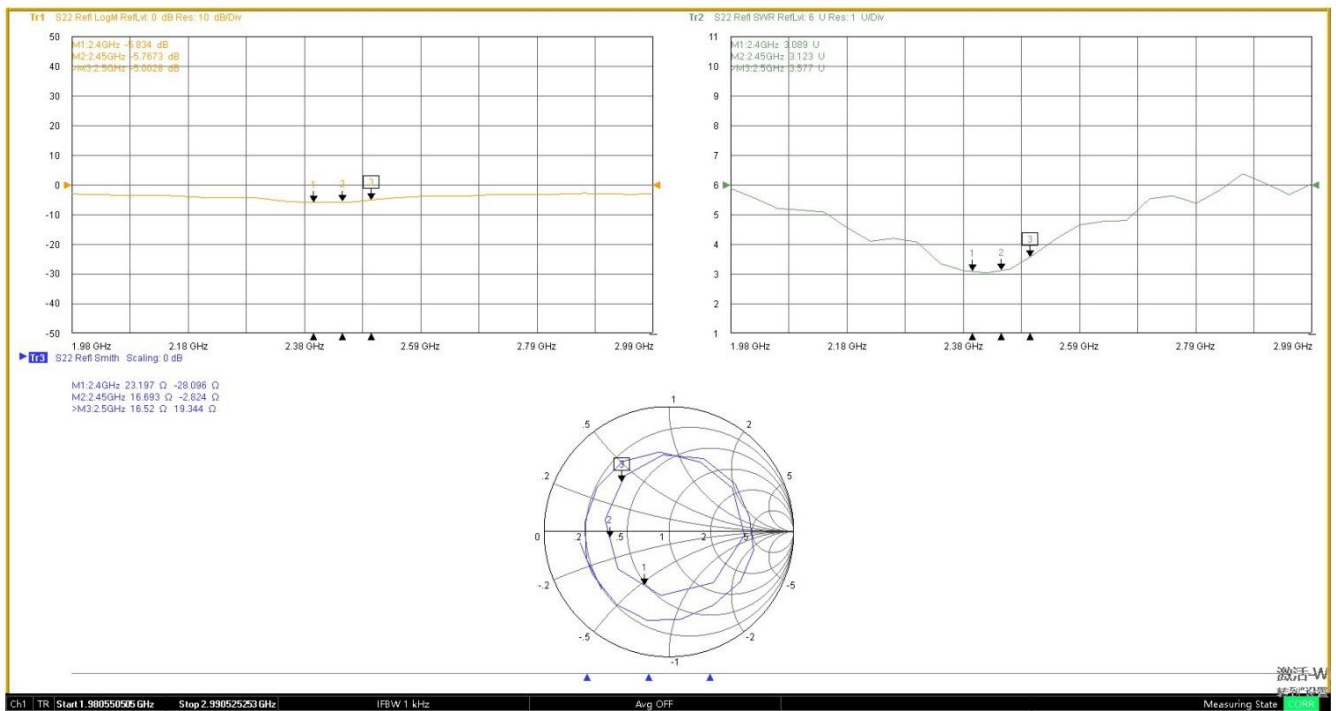
2.3. 3D Chamber Test System: Feitu Test System



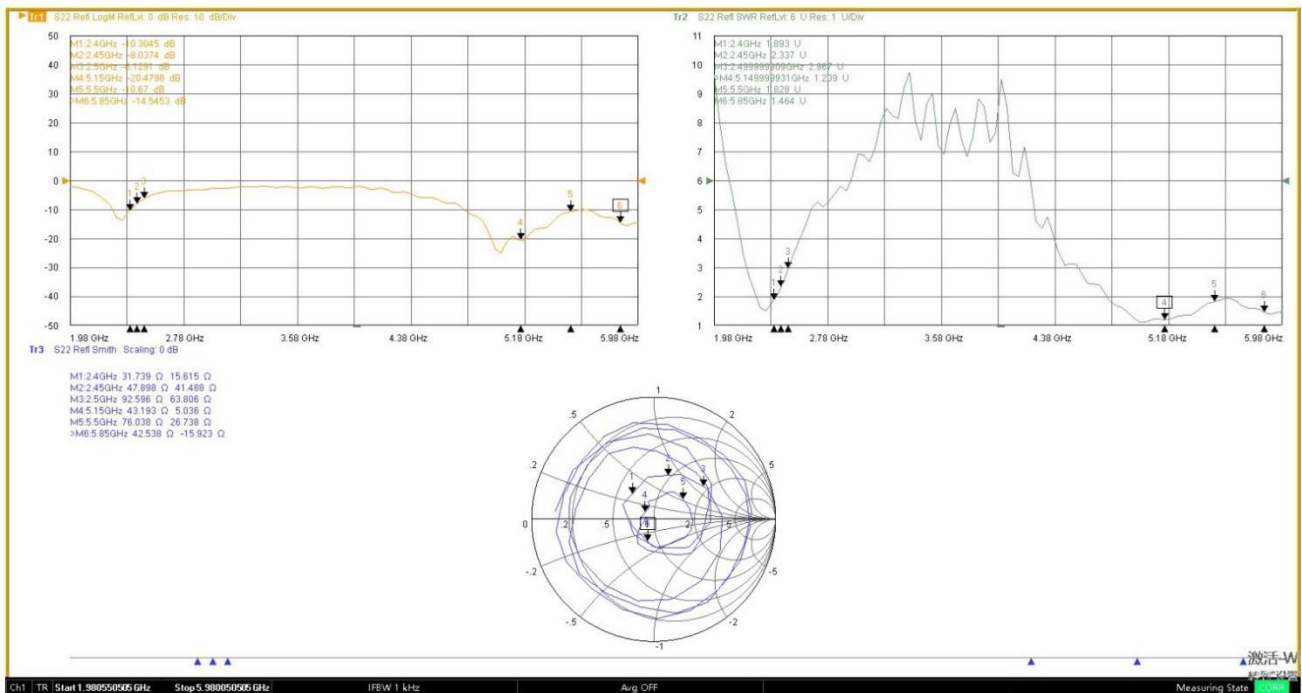
3. Mechanical instruction



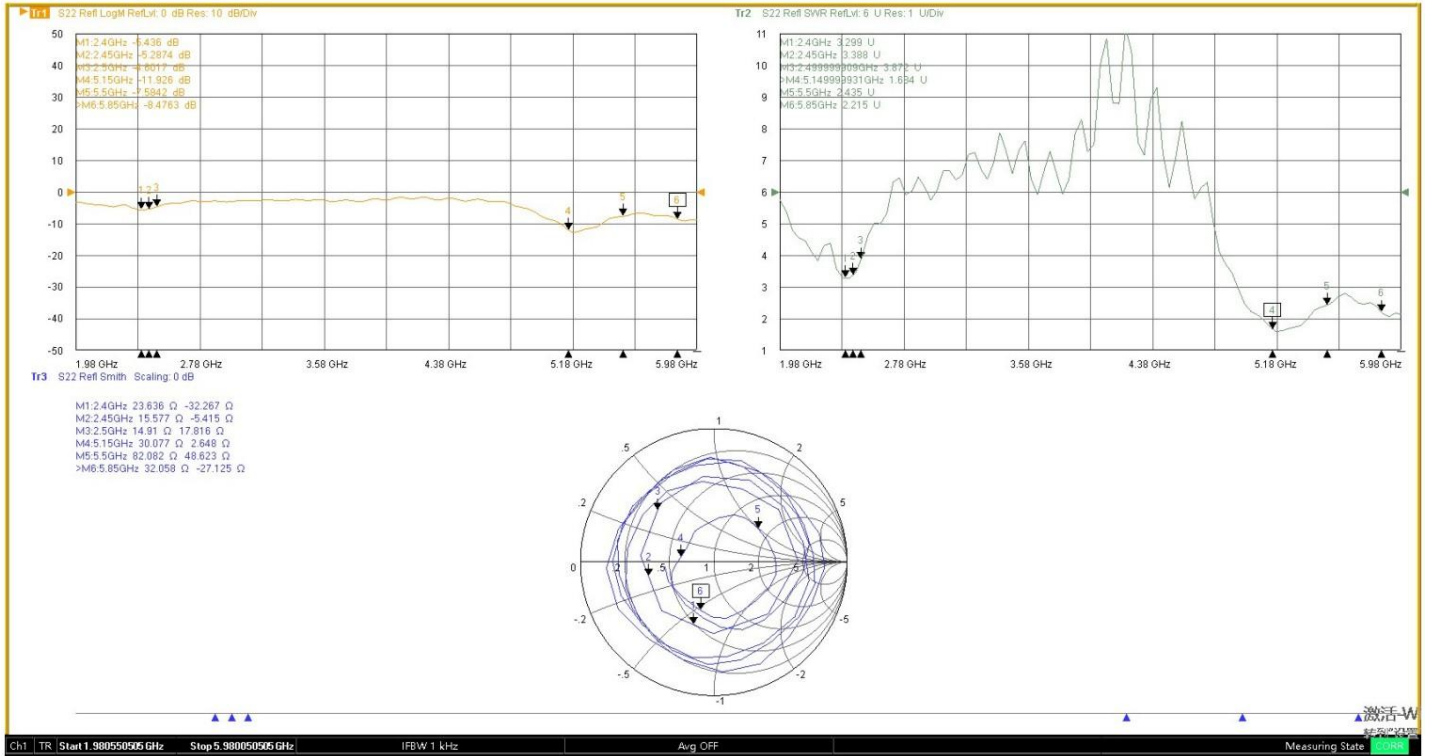
S11-BT:



S11-WIFI0:



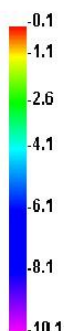
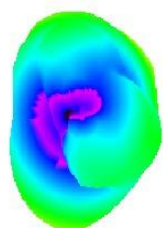
S11-WIFI1:



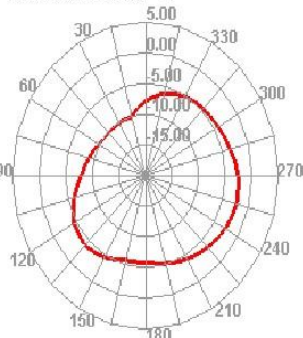
Gain/Effi/3D-Model(BT):

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

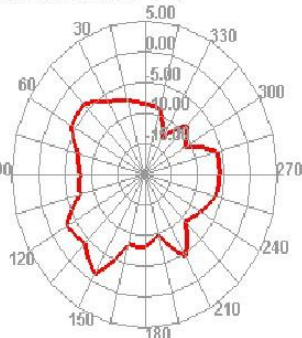
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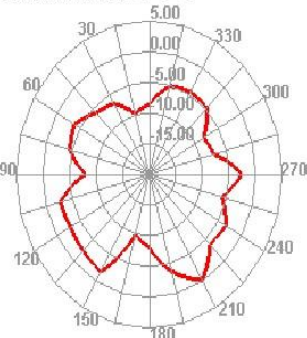
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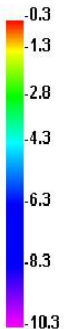
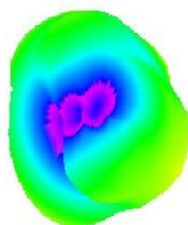
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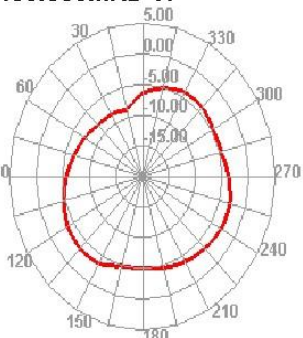
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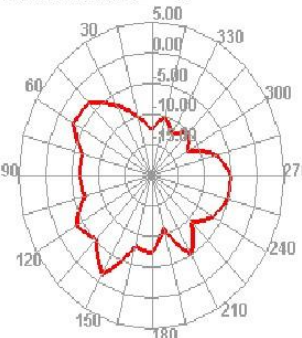
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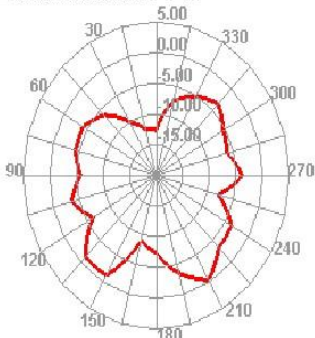
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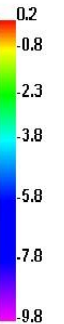
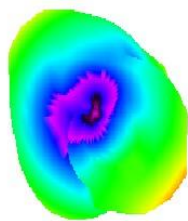
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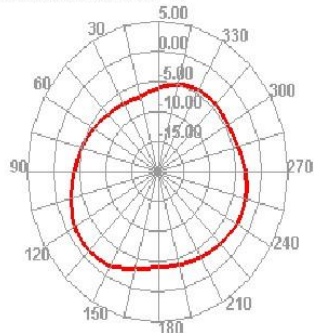
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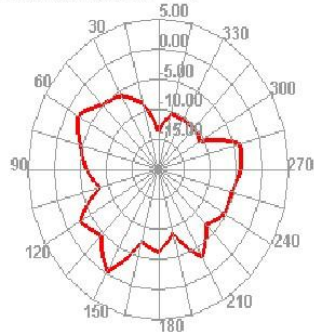
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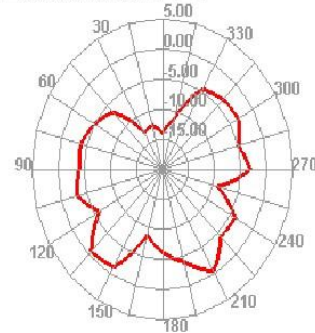
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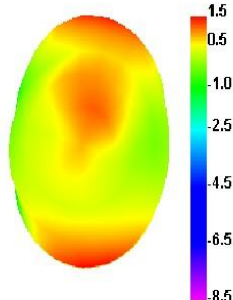
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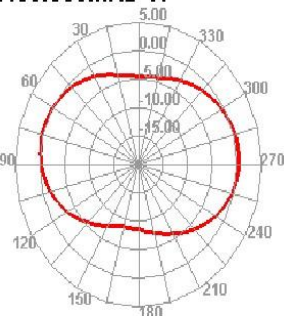
Gain/Effi/3D-Model(WIFI0):

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	

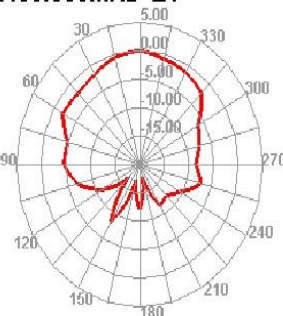
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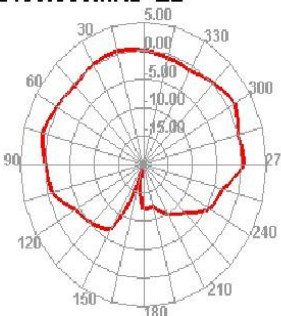
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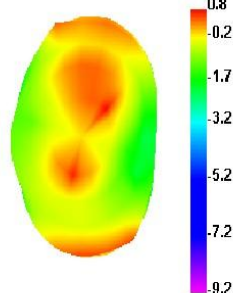
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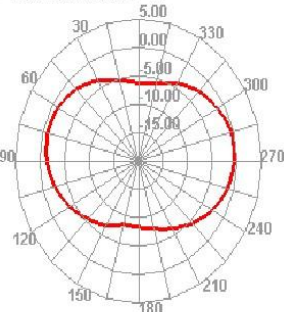
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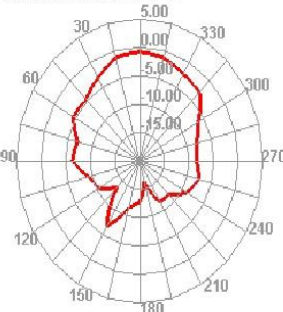
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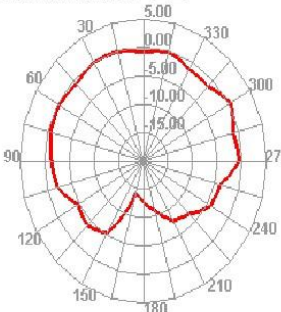
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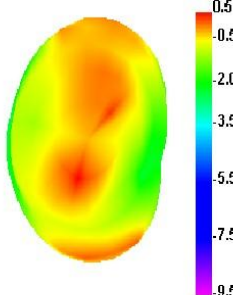
2450.000MHz E1



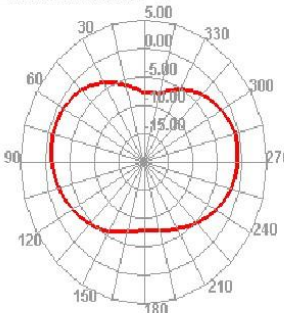
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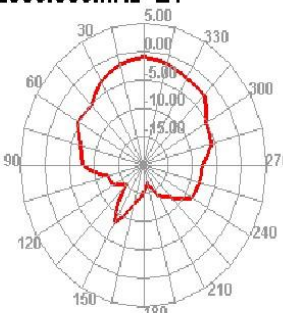
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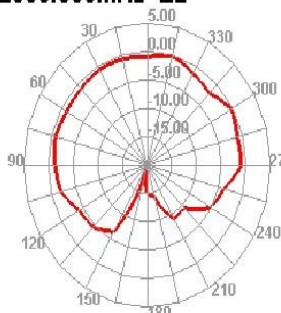
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2500.000MHz E1

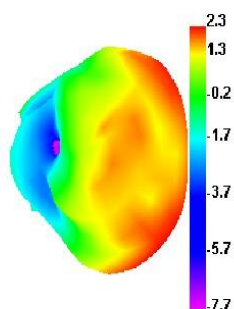


2500.000MHz E2

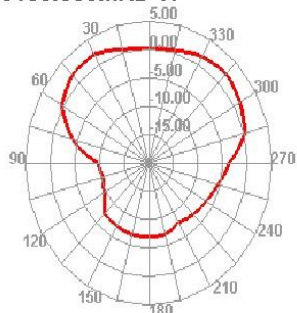


3D-WIFI10:

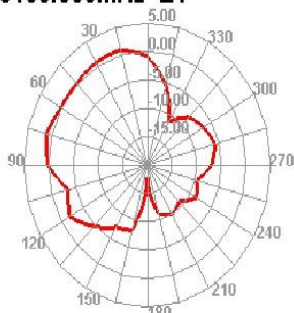
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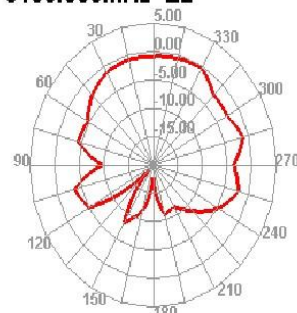
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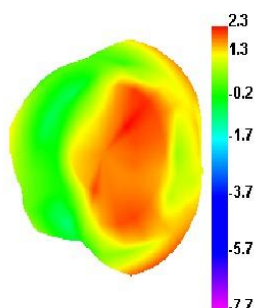
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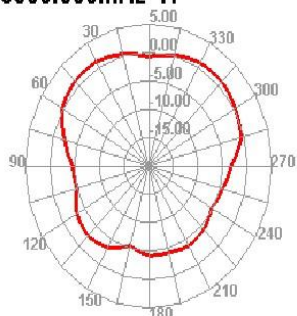
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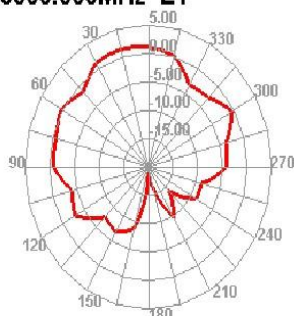
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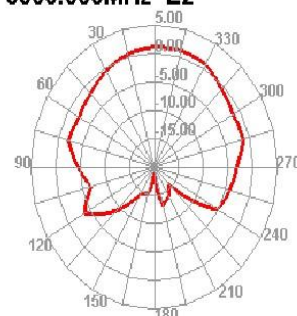
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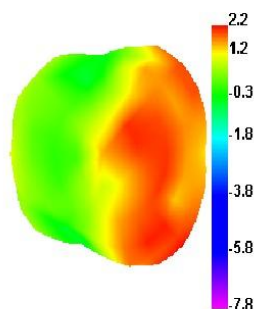
5500.000MHz E1



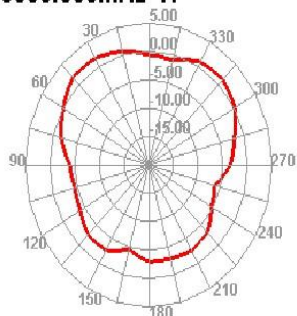
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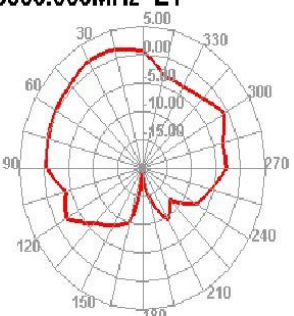
5850.000MHz



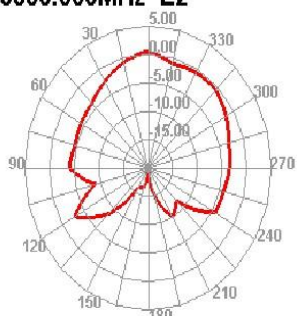
5850.000MHz H



5850.000MHz E1



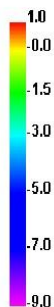
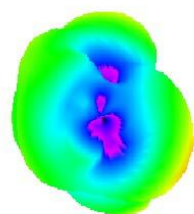
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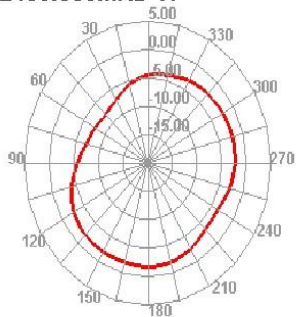
Gain/Effi/3D-Model(WIFI1):

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

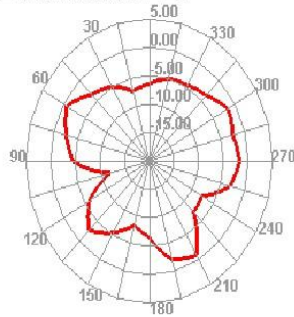
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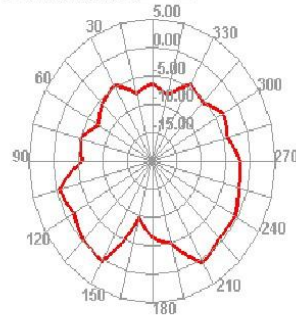
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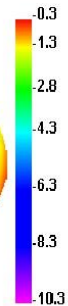
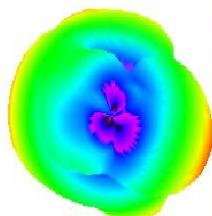
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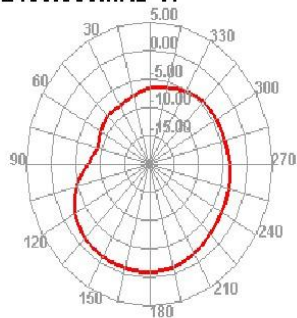
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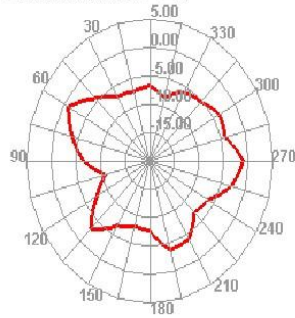
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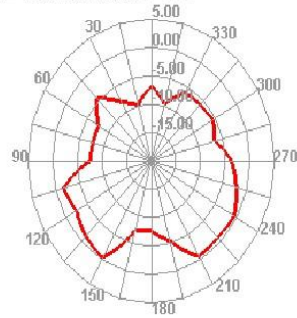
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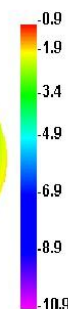
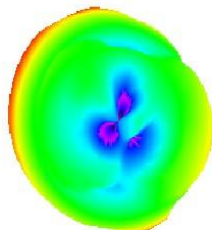
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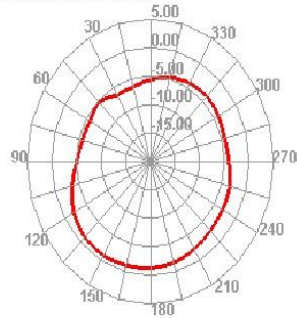
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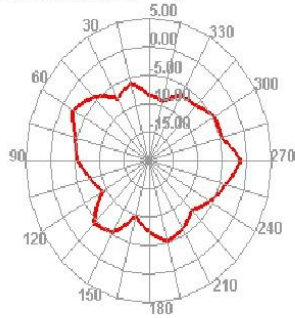
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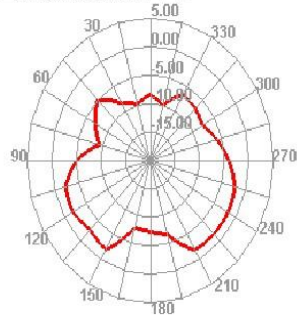
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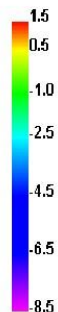
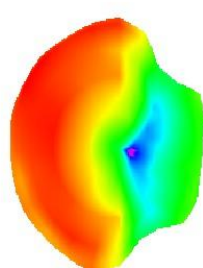
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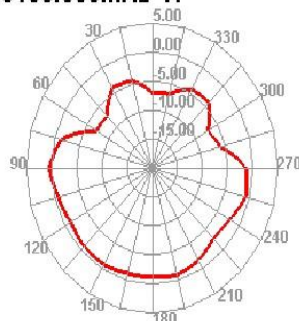
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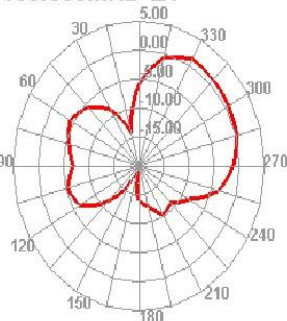
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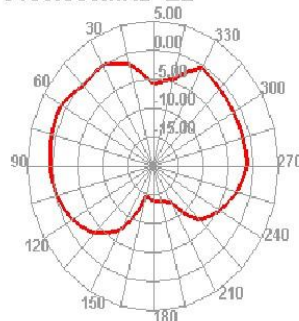
5150.000MHz H



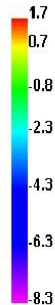
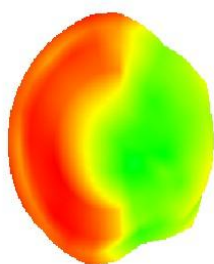
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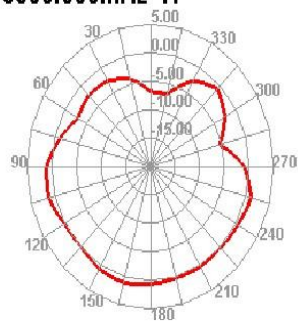
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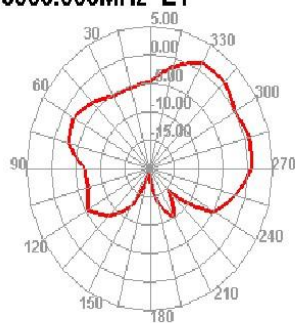
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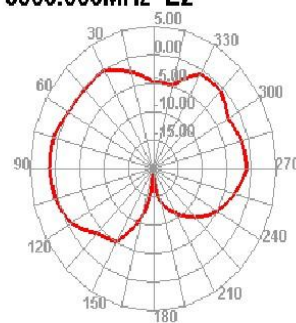
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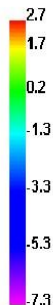
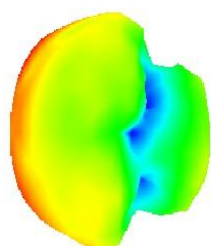
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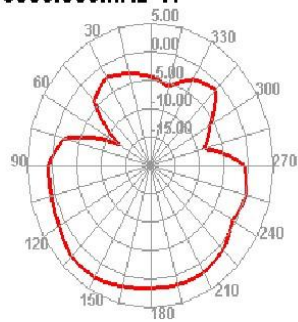
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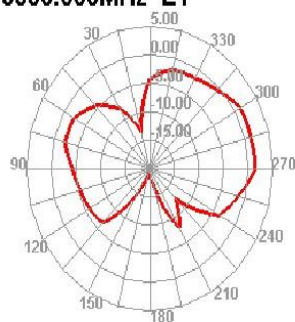
5850.000MHz



5850.000MHz H



5850.000MHz E1



5850.000MHz E2

