



深圳麒鑫通达科技有限公司

天线测试数据报告

Antenna test data report

客户：联永科技

项目：R53

频段：G4+W2/W4/W5+LTE-FDD-
B2/B4/B5/B12/B17/B66/B71

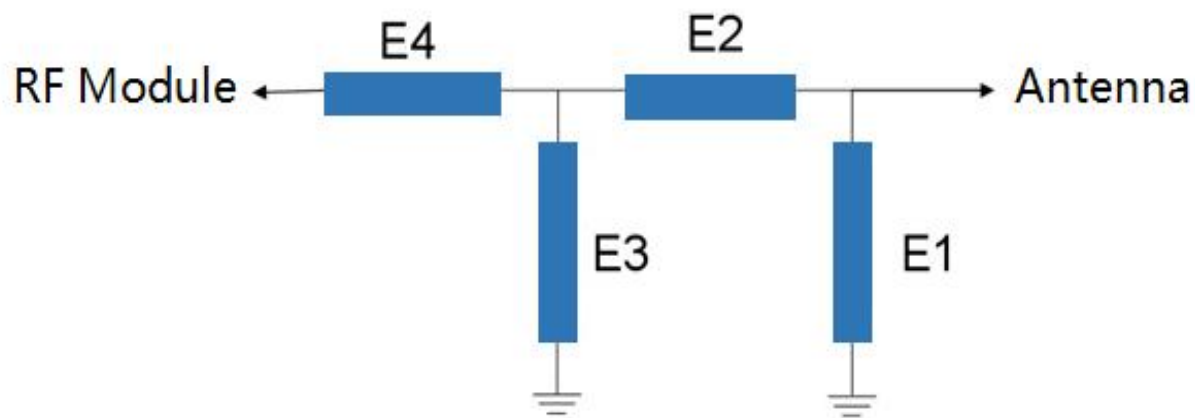
天线：马斐 (134 1821 8312)

日期：2023年05月10日

	测试项目	设备
1. S参数	1. 回损(RL) 2. 驻波比(VSWR)	网络分析仪: Agilent 5071B
2. 耦合功率测试	1. 发射功率 (power) 2. 接收灵敏度(level)	综测仪: CMW500/8960 暗 室: 6*4*3微波暗室



版本	日期	调试概述
	2023-03-06	3.04日美国版新机器测试。
	2023-03-13	带71频段机器测试。



Element	Value
E1	未更改
E2	未更改
E3	未更改
E4	未更改

手机型号	1#	备注说明					
测试项目	GSM900测量数值			DCS1800测量数值			
信 道	1	62	120	512	698	885	
TRP (dBm)	23.84	24.03	24.17	24.65	25.18	25.2	
TIS (dBm)			-97.84			-103.65	
测试项目	GSM850测量数值			PCS1900测量数值			
信 道	128	190	251	512	661	810	
TRP (dBm)	25.71	25.64	25.6	24.43	24.16	24.35	
TIS (dBm)			-101.52			-102.0	
测试项目	WCDMA850测量数值			WCDMA1700测量数值			
信 道	4357	4400	4458	1537	1618	1738	
TRP (dBm)	16.71	16.85	16.8	16.21	16.43	16.65	
TIS (dBm)			-102.07			-102.3	

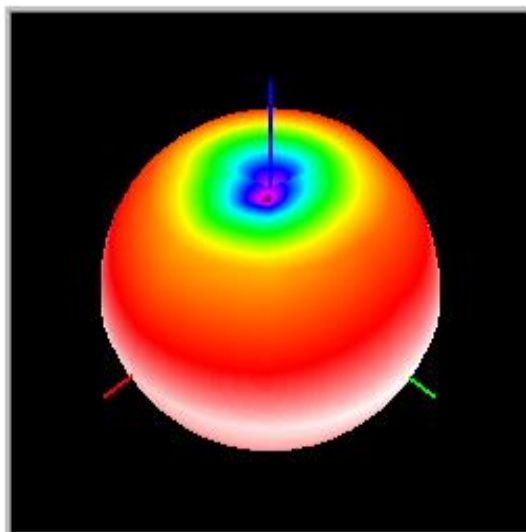


手机型号	1#	备注说明					
测试项目		WCDMA1900测量数值					
信 道		9662	9800	9938			
TRP (dBm)		17.34	17.86	18.31			
TIS (dBm)				-103.66			
测试项目		LTE-FDD-B2			LTE-FDD-B4		
信 道		650	900	1150	2000	2175	2350
TRP (dBm)		17.13	17.53	17.66	16.21	16.15	16.38
TIS (dBm)				-92.0			-91.31
测试项目		LTE-FDD-B5			LTE-FDD-B12		
信 道		2450	2525	2600	5780	5790	5800
TRP (dBm)		16.59	16.21	16.08	15.22	15.25	15.51
TIS (dBm)				-90.31			-92.67

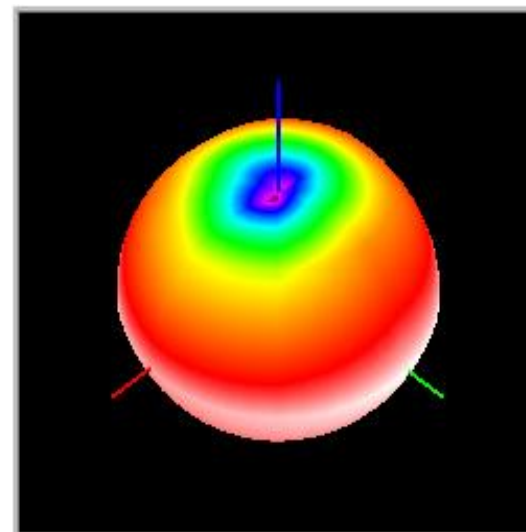


手机型号	1#	备注说明					
测试项目		LTE-FDD-B17			LTE-FDD-B66		
信 道		9260	9420	9600	L	M	H
TRP (dBm)		16.45	16.17	16.43	16.3	16.75	16.68
TIS (dBm)				-92.19			-91.05
测试项目		LTE-FDD-B71					
信 道		L	M	H			
TRP (dBm)		15.01	16.01	16.04			
TIS (dBm)				-87.8			

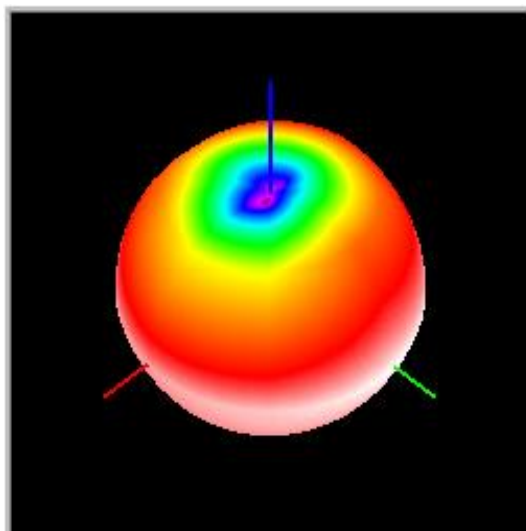
GSM850
-TRP



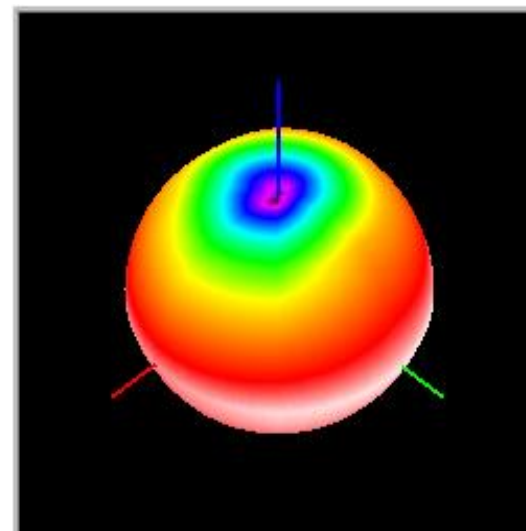
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-TIS



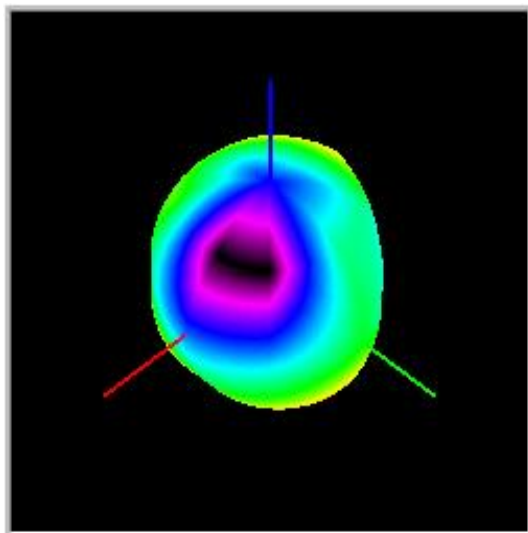
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-TRP



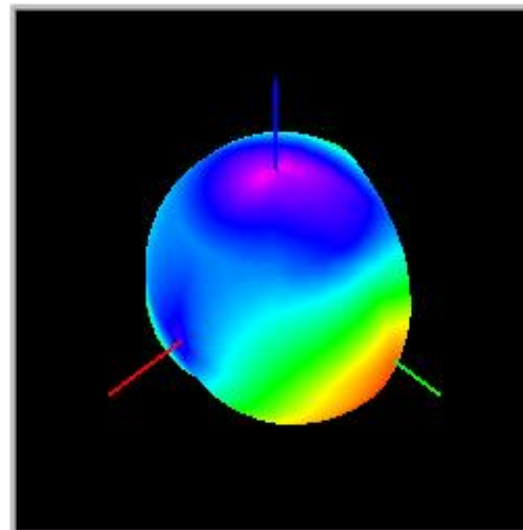
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-TIS



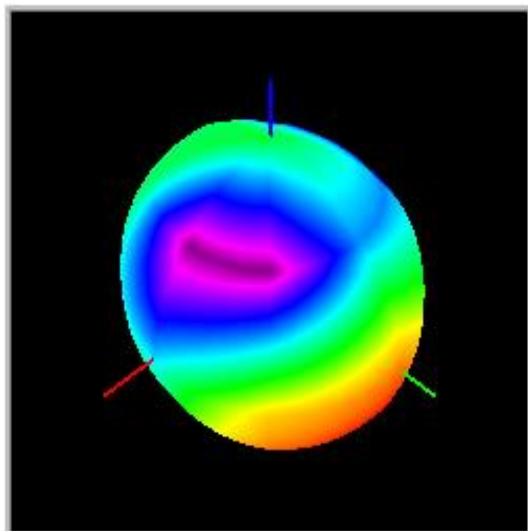
DCS1800
-TRP



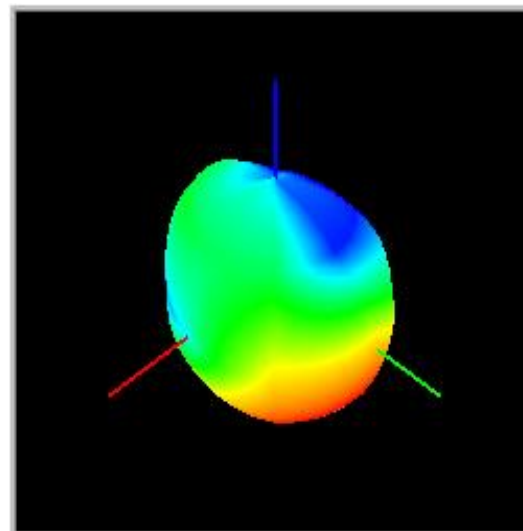
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-TIS



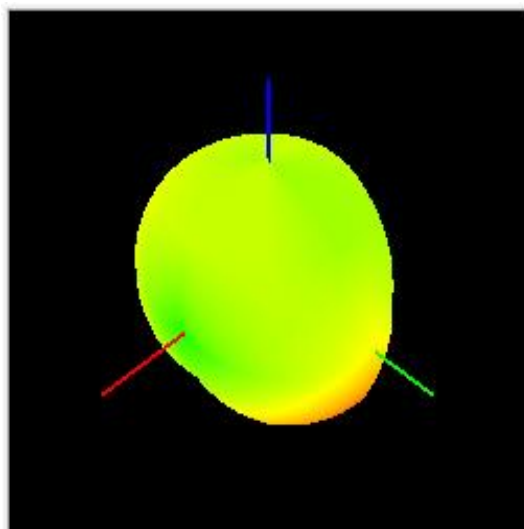
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-TRP



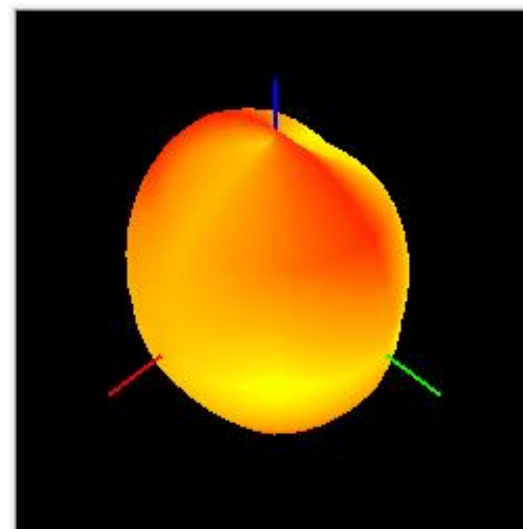
PCS1900
-TIS



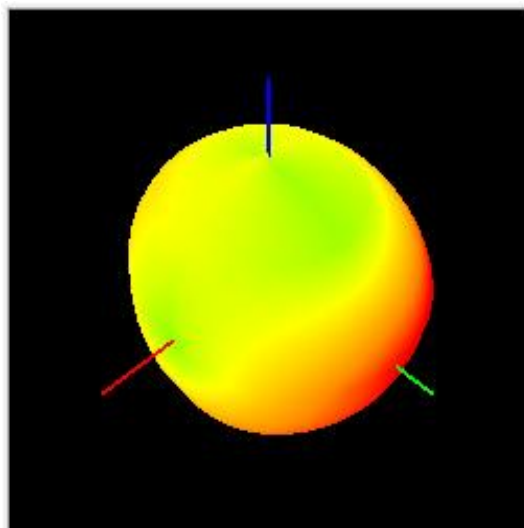
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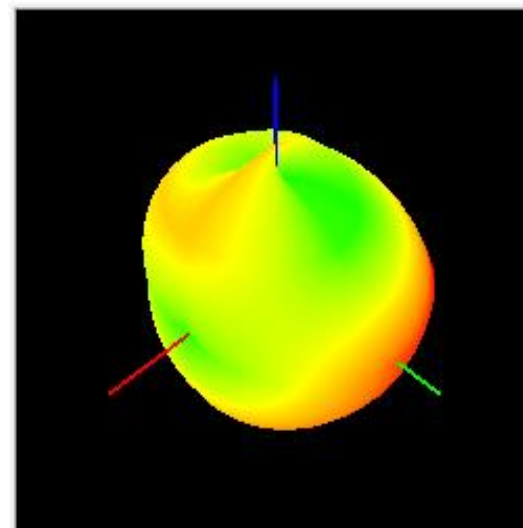
W2-TIS



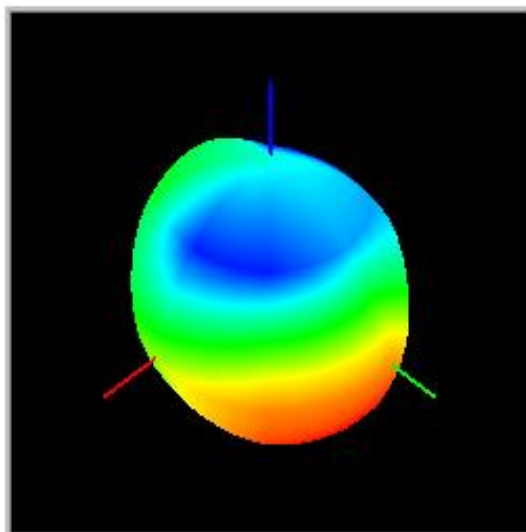
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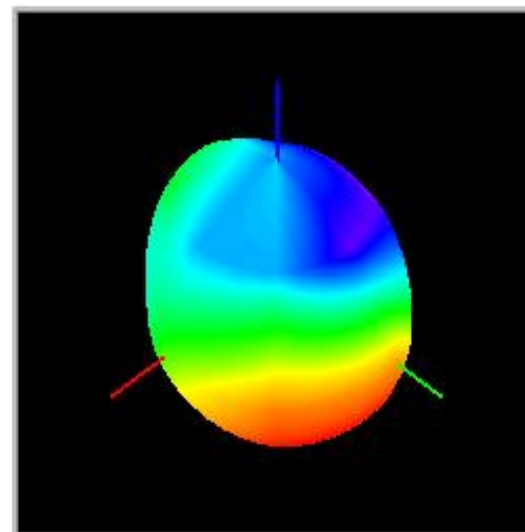
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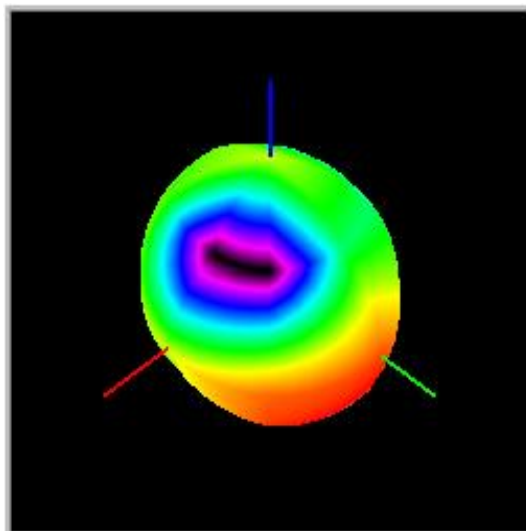
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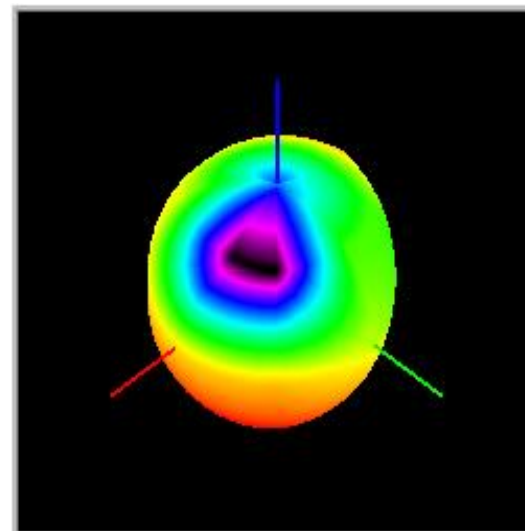
W4-TIS



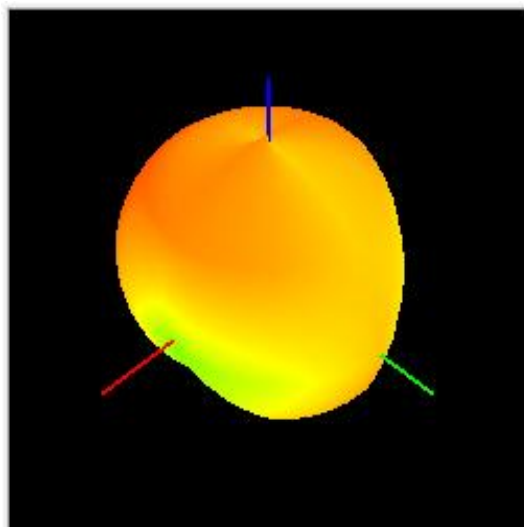
FDD-B2-TRP



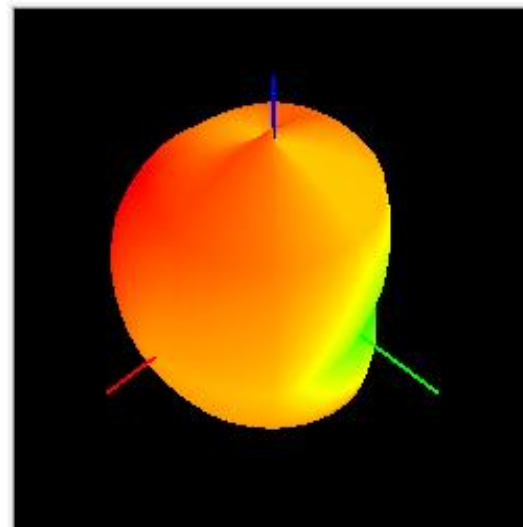
FDD-B2-TIS



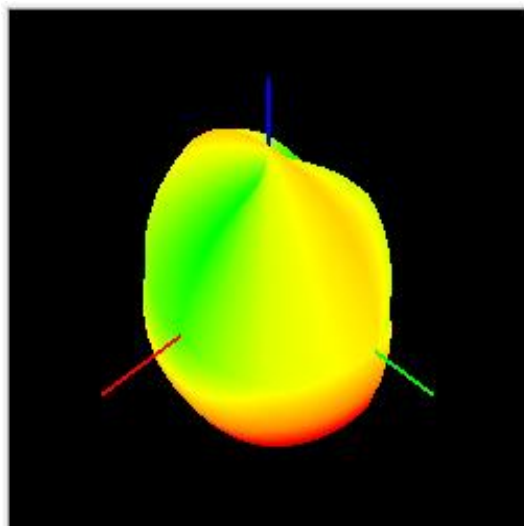
FDD-B4-
TRP



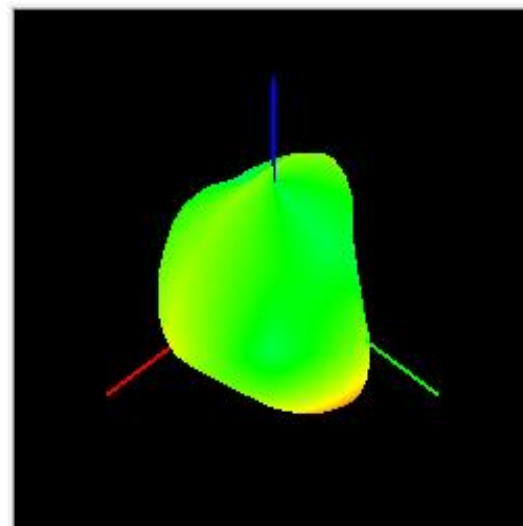
FDD-B4-
TIS



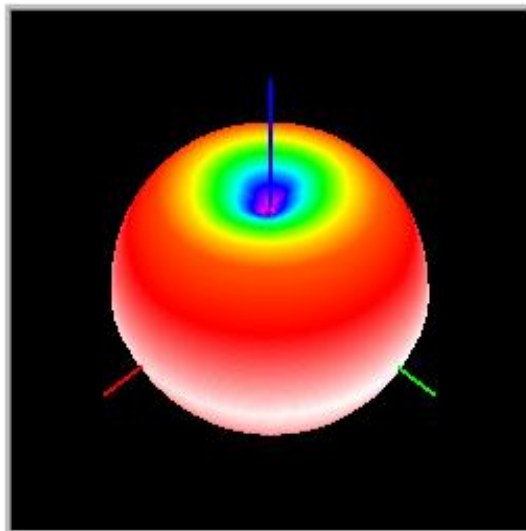
FDD-B5-
TRP



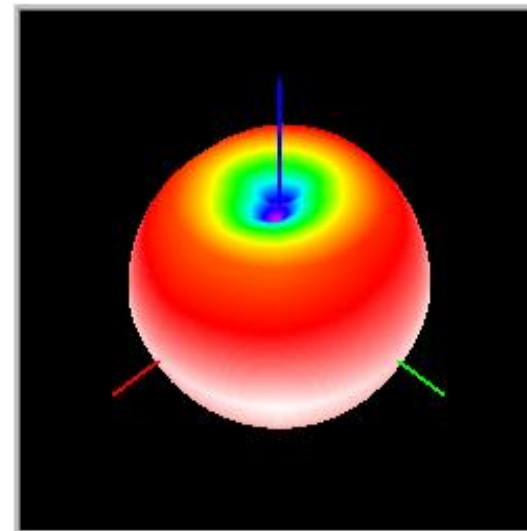
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TIS



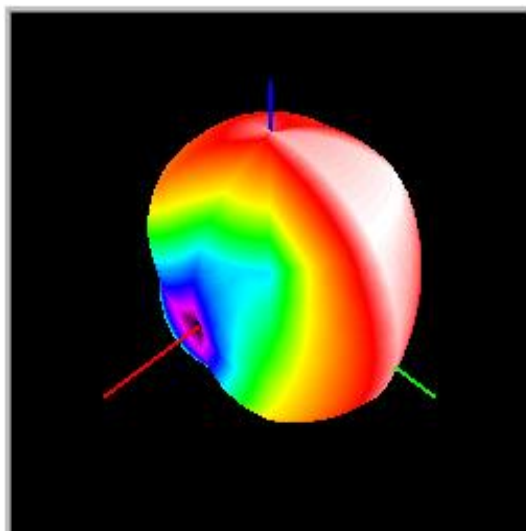
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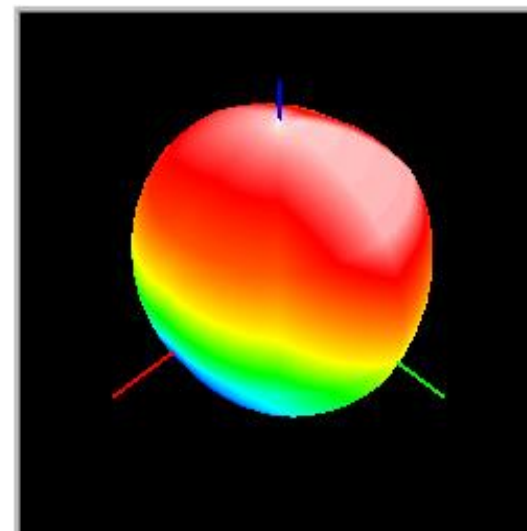
FDD-B12-TIS



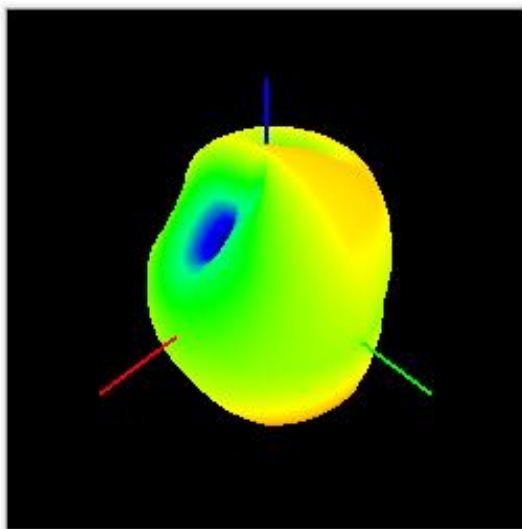
FDD-B17-TRP



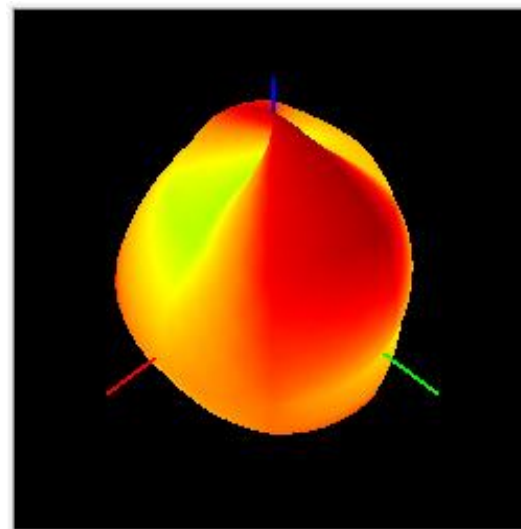
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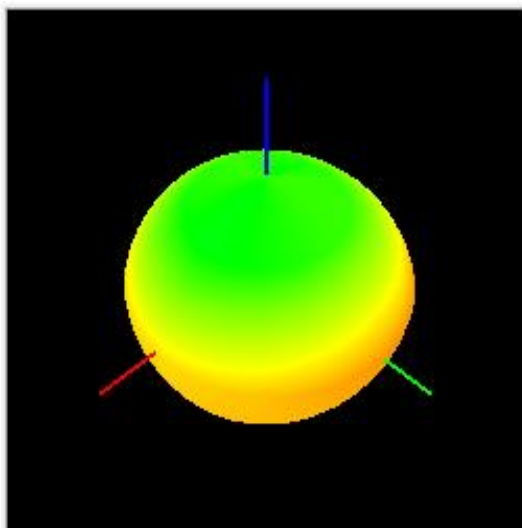
**FDD-
B66-TRP**



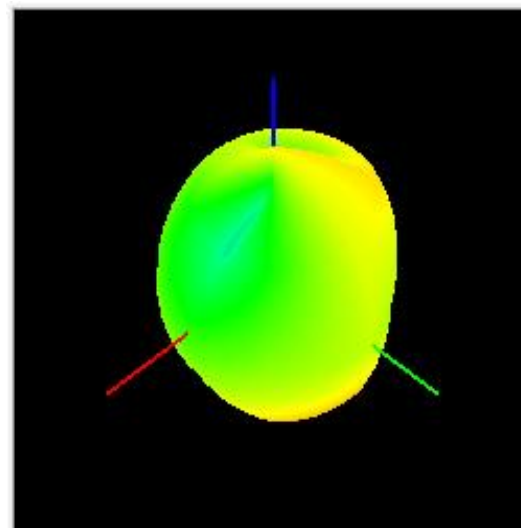
**FDD-
B66-TIS**



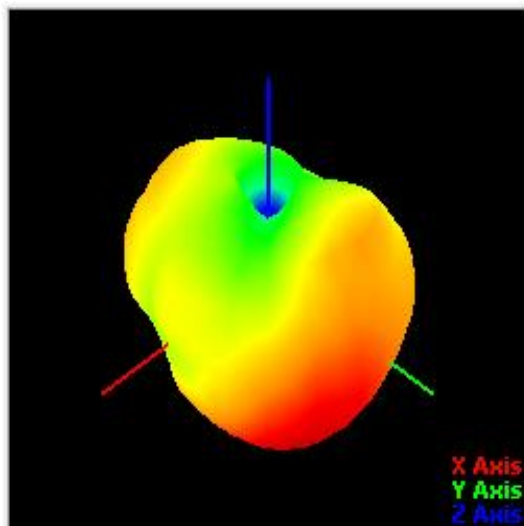
**FDD-
B71-TRP**



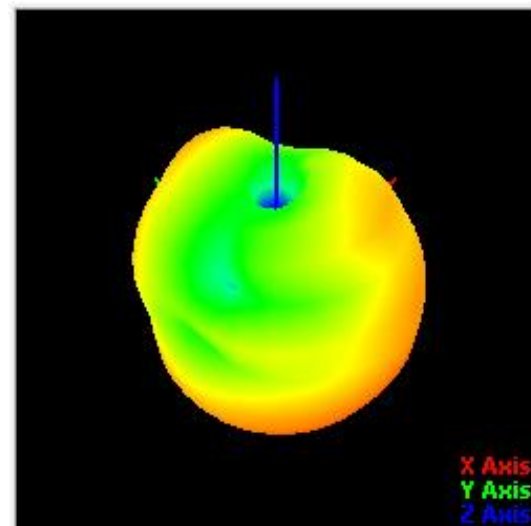
**FDD-
B71-TIS**



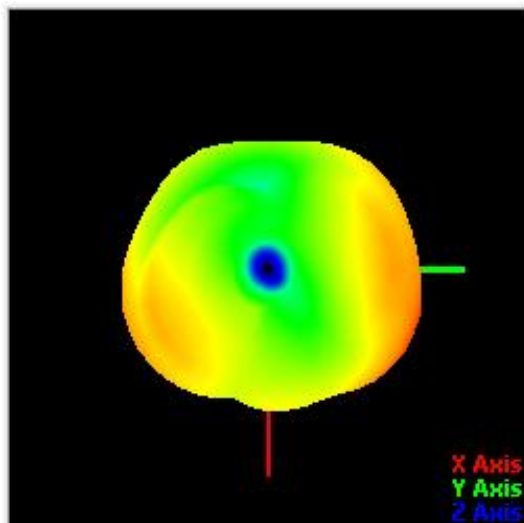
WIFI+BT-
2400MHZ



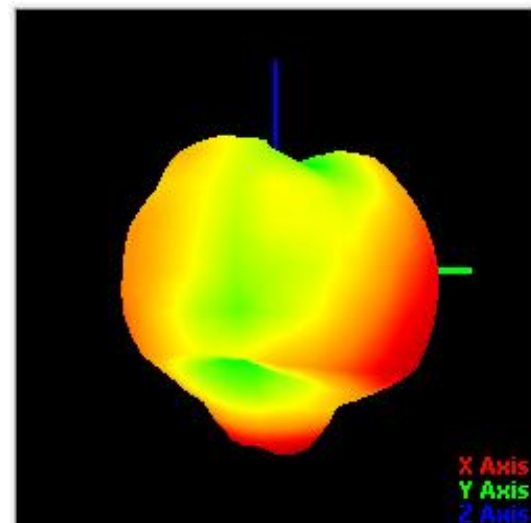
WIFI+BT-
2430MHZ



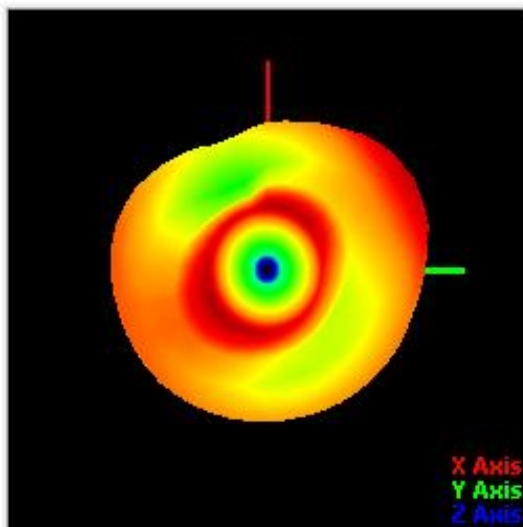
WIFI+BT-
2460MHZ



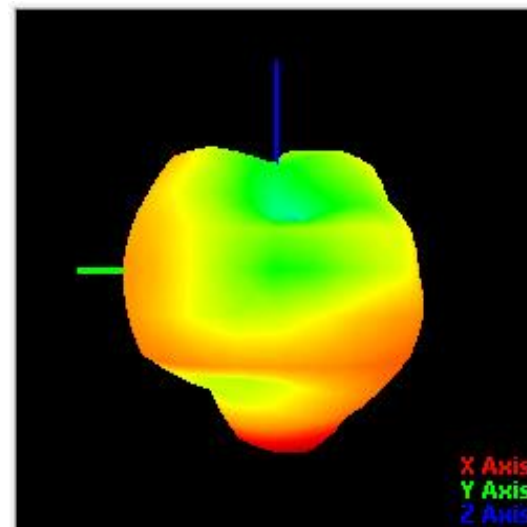
WIFI+BT-
2490MHZ



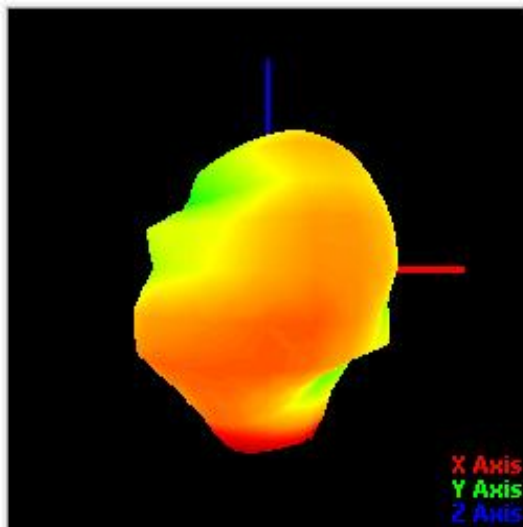
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2400MHZ



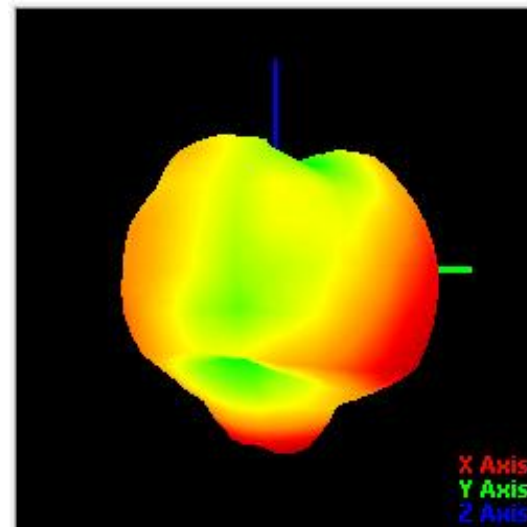
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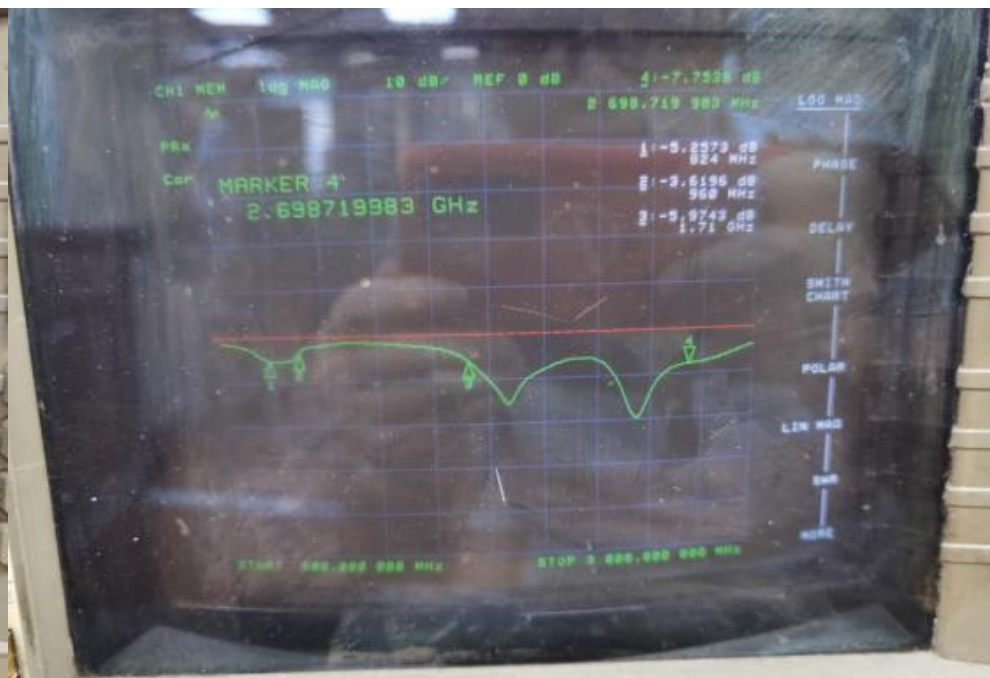
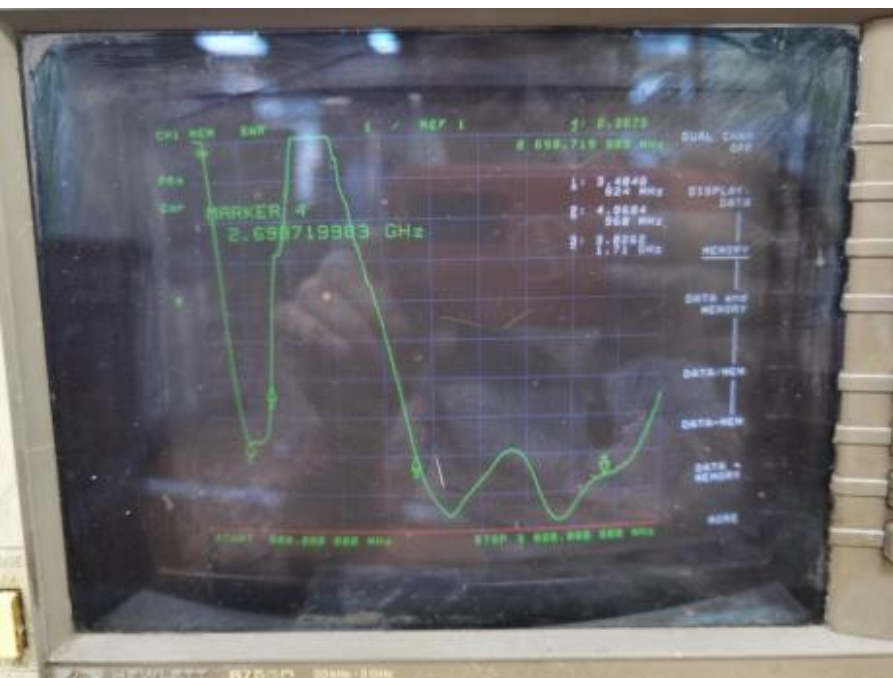


WIFI+BT-
2460MHZ



WIFI+BT-
2490MHZ





R53天线增益

Band	Max Gain
GSM850	0.15dBi
GSM900	0.2dBi
DCS1800	0.46dBi
PCS1900	0.55dBi
WCDMA1900	0.55dBi
WCDMA1700	0.46dBi
WCDMA850	0.15dBi
BAND 2	0.45dBi
BAND 4	0.46dBi
BAND 5	0.16dBi
BAND 12	0.10dBi
BAND 17	0.10dBi
BAND 66	0.50dBi
BAND 71	0.07dBi
GPS	0.46dBi
Bluetooth/WiFi	0.82dBi



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