



泉州市根通通信技术有限公司

quanzhou Gen tong communication Technology Co.,Ltd





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Bands: LTE B2/4/5/7/12/17/28/38/39/40/41 WIFI/BT

Antenna type: PIFA

Model: N/A



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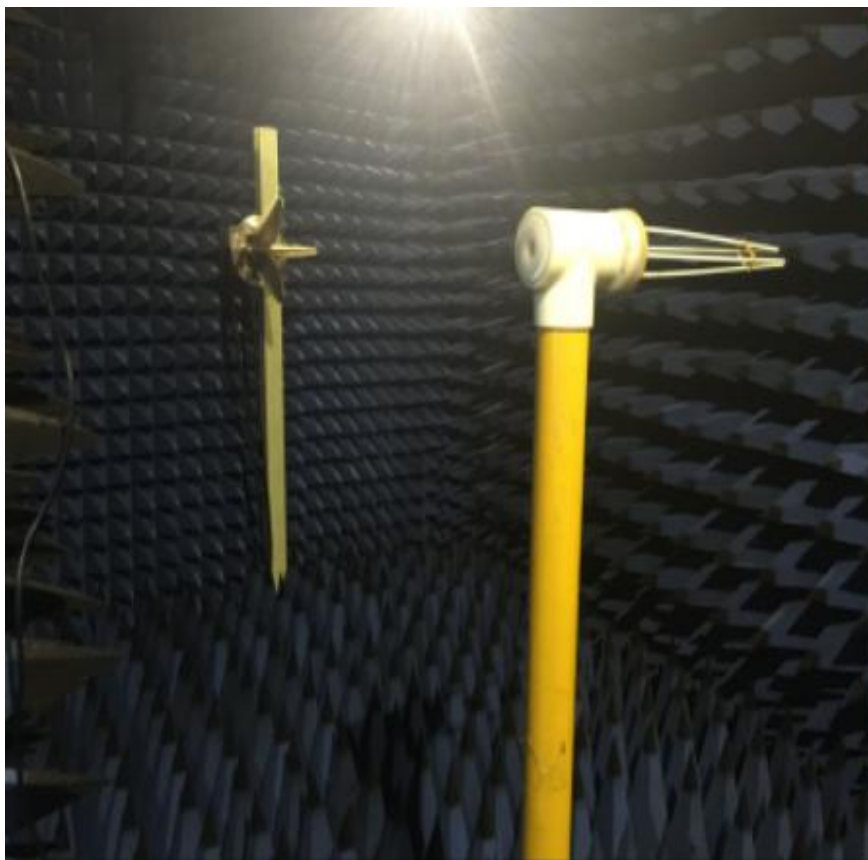
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一. 测试暗室简介 Test darkroom introduction

1. 有源测试：支持2G/3G/4G制式多模式测量，可测发射TRP 接收TIS
2. 无源测试：可测试增益，效率

1. Active test: support 2G/3G/4G multi-mode measurement, can measure the transmit TRP receive TIS
2. Passive test: can test gain, efficiency



二. 机台图片 Machine Pictures



三. 环境处理 Environmental Processing



四. 天线装配图 Antenna Assembly Diagram



Main Ant



WiFi Ant



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五. OTA有源数据

OTA Active Data

Test Condition		Free Space1#			
band		TRP (dBm)	MAX (dBm)	TIS (dBm) 10MHZ	Gain (dBi)
LTE B2	600	22.05			1.1
	900	21.61			
	1190	21.06		-94.66	
LTE B4	1950	22.56			0.7
	2170	22.49			
	2350	22.05		-96.02	
LTE B5	2450	20.29			1.3
	2525	21.1			
	2600	21.51		-93.01	
LTE B7	2800	19.09			2.2
	3100	18.42			
	3400	20.87		-90.04	
LTE B12	5060	18.2			0.3
	5095	18.84			
	5130	19.43		-90.59	



五. OTA有源数据

OTA Active Data

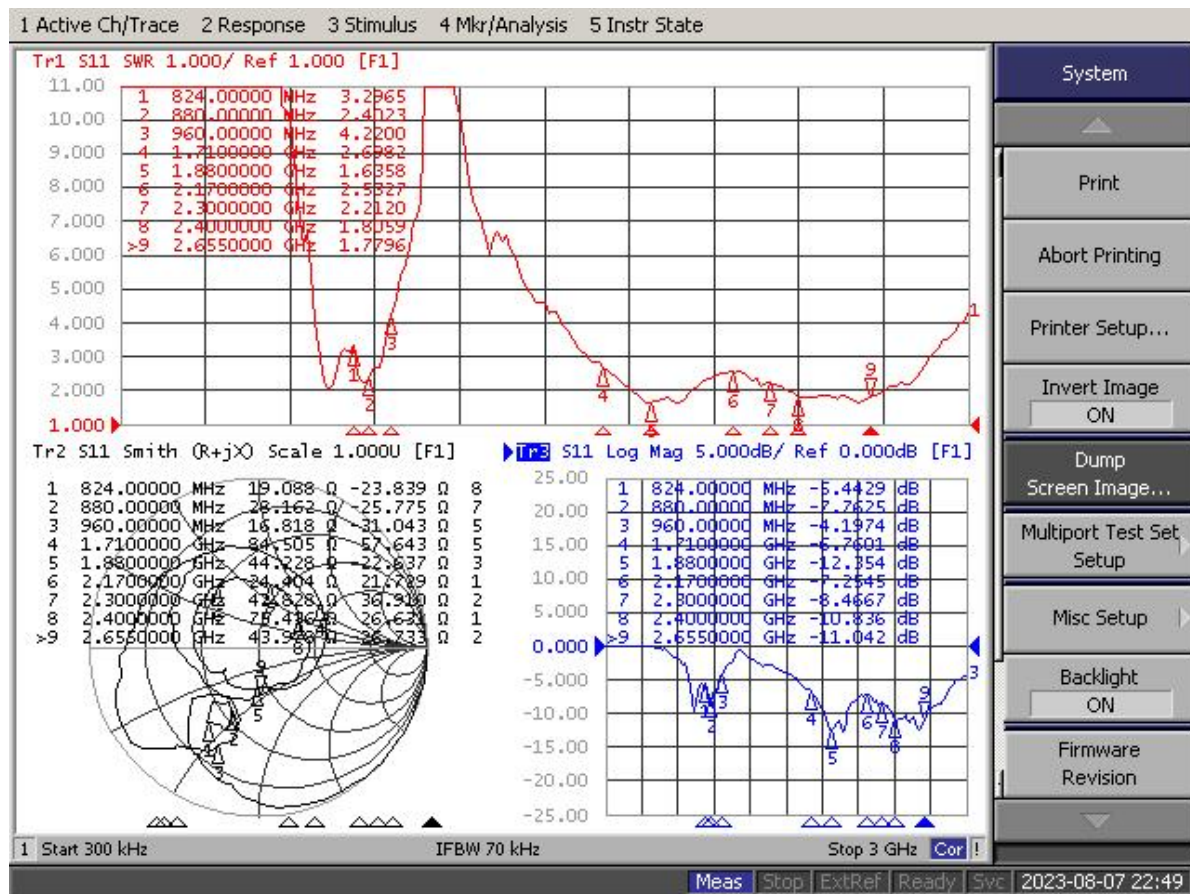
Test Condition		Free Space1#			
band		TRP (dBm)	MAX (dBm)	TIS (dBm) 10MHZ	Gain (dBi)
LTE B17	5780	18.32			0.9
	5790	19.23			
	5800	19.48		-91.02	
LTE B28	9260	17.01			0.6
	9420	17.85			
	9610	17.31		-89.86	
LTE B38	37850	22.64			2.4
	38000	21.22			
	38200	22.04		-92.42	
LTE B39	38250	19.53			1.9
	38450	18.96			
	38649	20.08		-92.38	
LTE B40	38700	19.53			2.2
	39150	19.82			
	39600	19.74		-91.02	



五. OTA有源数据 OTA Active Data

Test Condition		Free Space1#			
band		TRP (dBm)	MAX (dBm)	TIS (dBm) 10MHZ	Gain (dBi)
LTE B41	40600	21.5			2.4
	40620	21.2			
	41140	21.02		-91.29	

六. 无源log&smith&SWR Passive log&smith&SWR

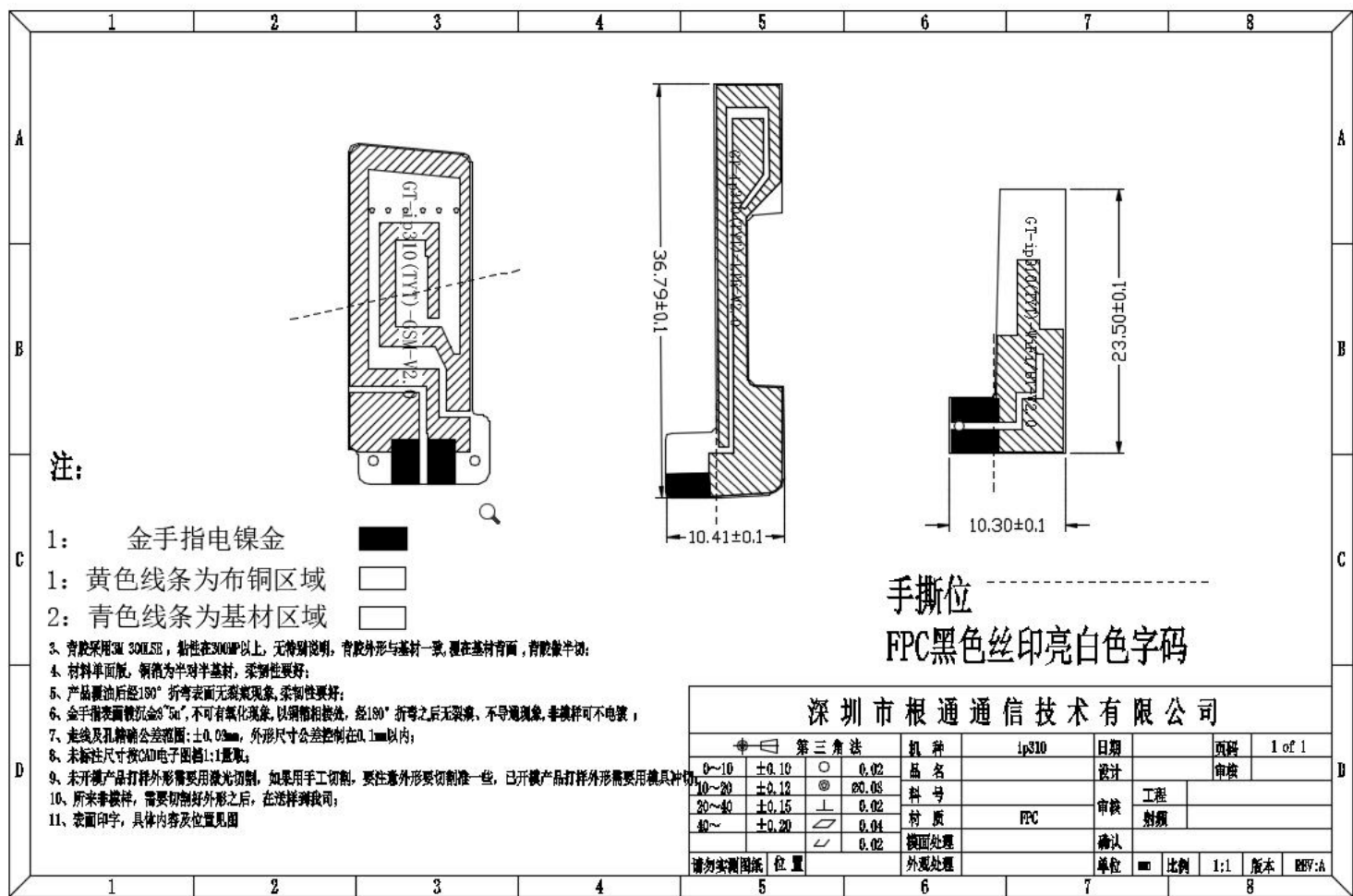




七. 天线增益 Antenna gain

Test Condition		Free Space1#			
band		TRP (dBm)	MAX (dBm)	TIS (dBm) 10MHZ	Gain (dBi)
wifi11B	1	10.18			-3.8
	6	11.25			
	11	10.68		-84.25	
wifi 11A	149	9.14			-2.0
	157	9.25			
	165	9.14		-79.15	

八. 天线规格 Antenna Specifications

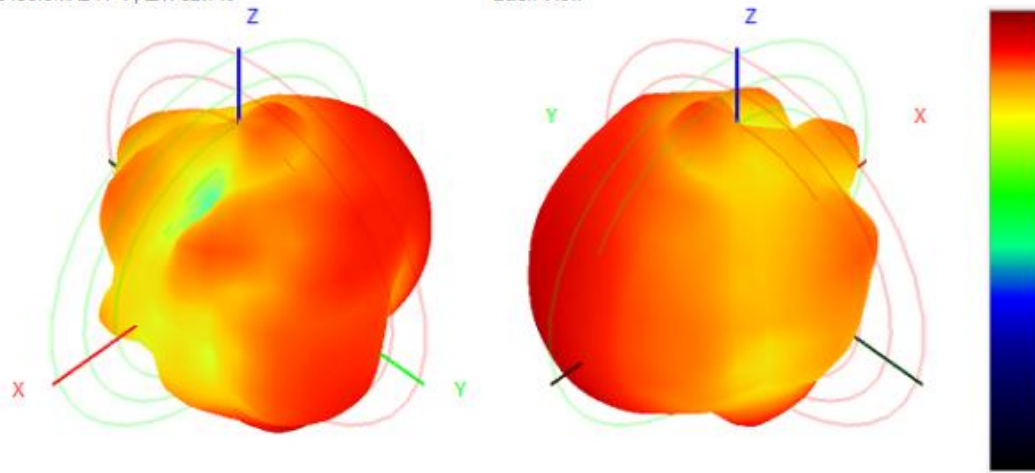


九. WiFi增益 3D苹果图

WIFI/BT Gain 3D

2450.0MHz H+V, Eff: 62.7%

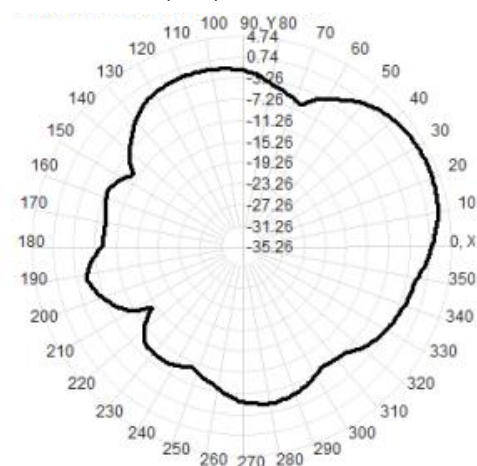
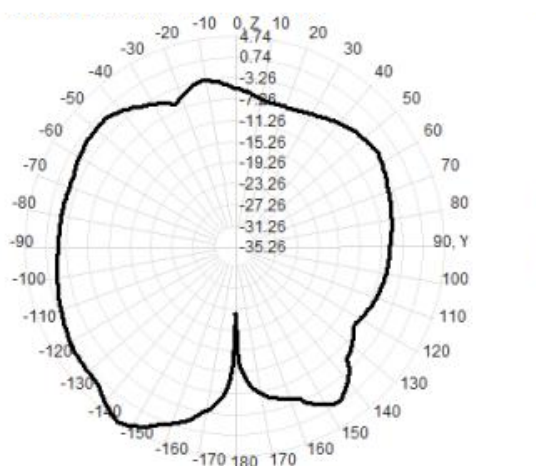
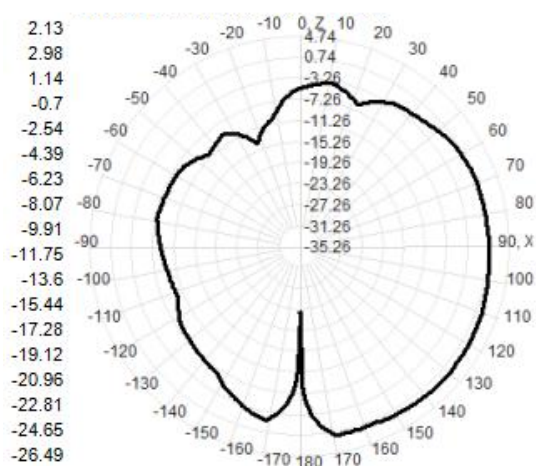
Back View



2450.0MHz Total(E1-XY),Max=-2.0dBi

2450.0MHz Total(E2-YZ),Max=-3.8dBi

Total(H-XY),Max=-2.0dBi CirD=18.02





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谢 谢

如有疑问，请电话沟通

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