

深圳市广源发电子有限公司

Shenzhen Guangyuanfa Electronic Co., Ltd.

10th Floor, Building D2, Songhu Zhigu Technology Innovation Center, Liaobu Town, Dongguan

Antenna Test Report

Product: FPC ANTENNA

Model: PG17 ANTENNA

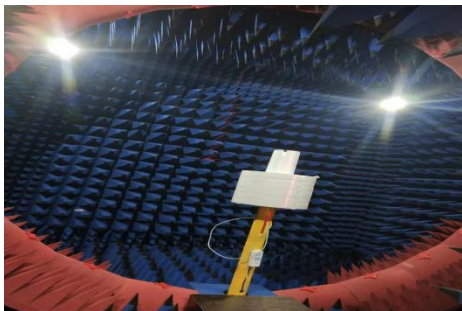


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项目调试简介

机型	PG17 PRO			
天线类型	FPC			
频段及天线材质	主天线	频段		材质
		2G	/	/
		3G	/	
		LTE	/	
	其他天线	分集	/	/
		WIFI	2. 4G/5G	FPC
性能要求	按客户要求执行			

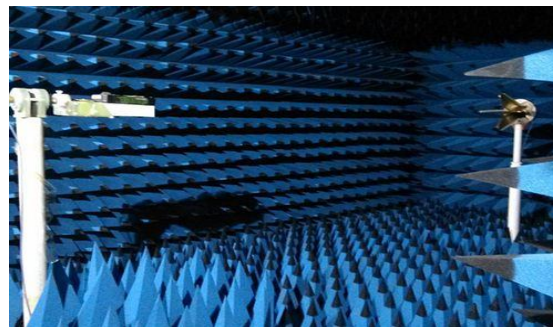
测试设备说明



24探头微波暗室



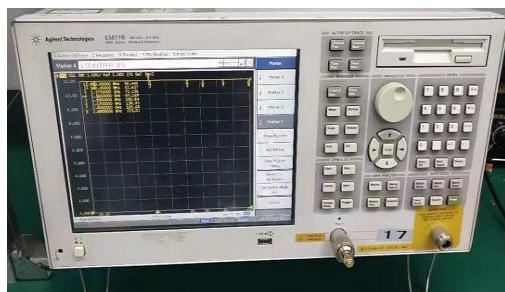
CMW500



7*4*3M ETS微波暗室



Agilent 8960



Agilent E5071B



高低温试验箱



MT8820C

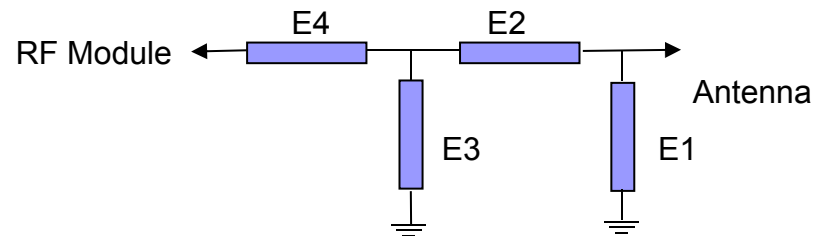


HP8753ES

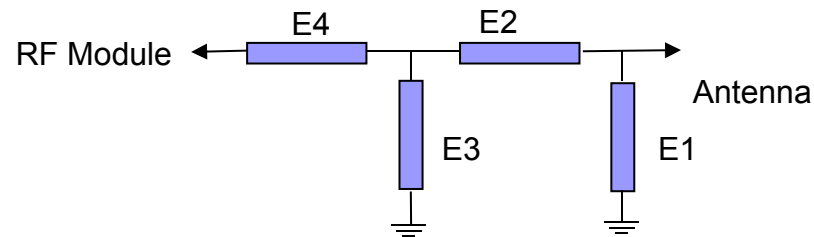
测试系统	测试环境	有源测试	无源测试
ETS 暗室 24探头OTA暗室	温度: 22℃ ± 3℃ 湿度: 50% ± 15%	支持2G/3G/4G 支持NB-IoT/CAT-M/BT/WIFI	400MHz——6G

匹配电路说明

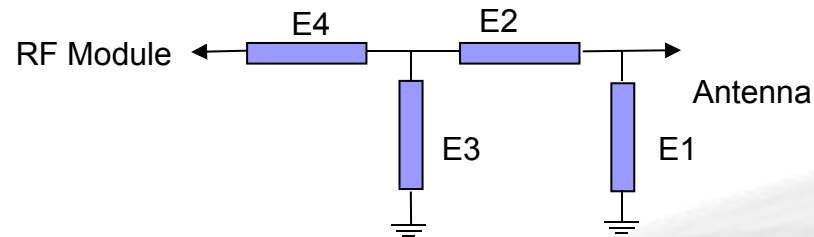
天线匹配无更改



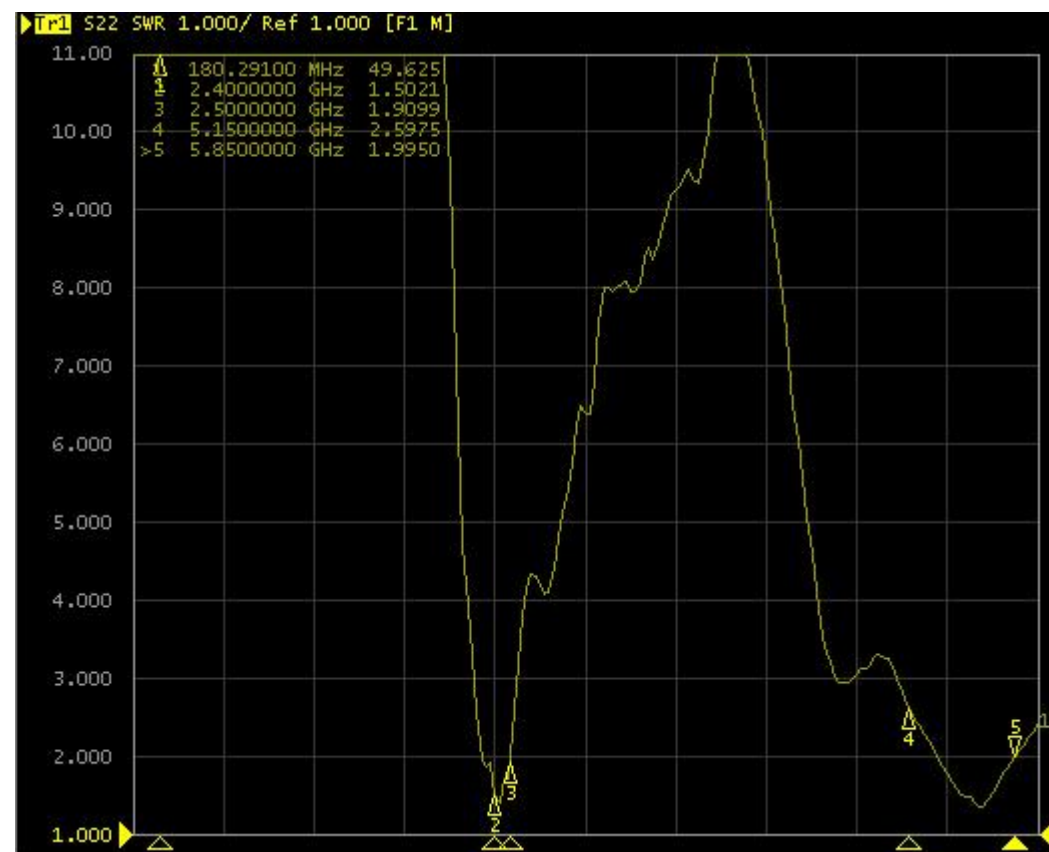
主天线	Element	Value
	E1 (0402)	N/A
	E2 (0402)	0欧姆
	E3 (0402)	N/A
	E4 (0402)	0欧姆



GWB天线	Element	Value
	E1 (0402)	N/A
	E2 (0402)	0欧姆
	E3 (0402)	N/A
	E4 (0402)	0欧姆

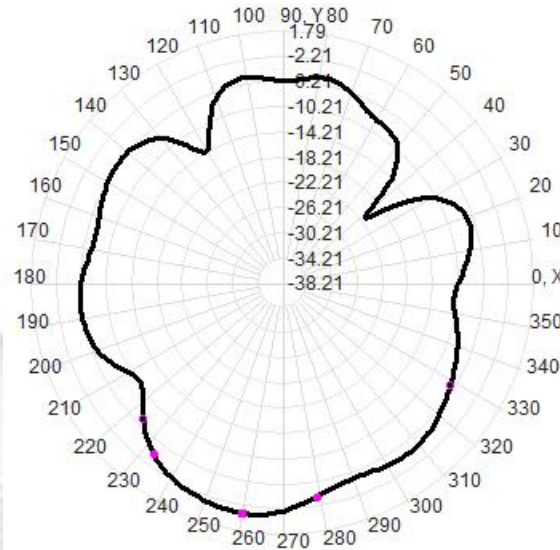
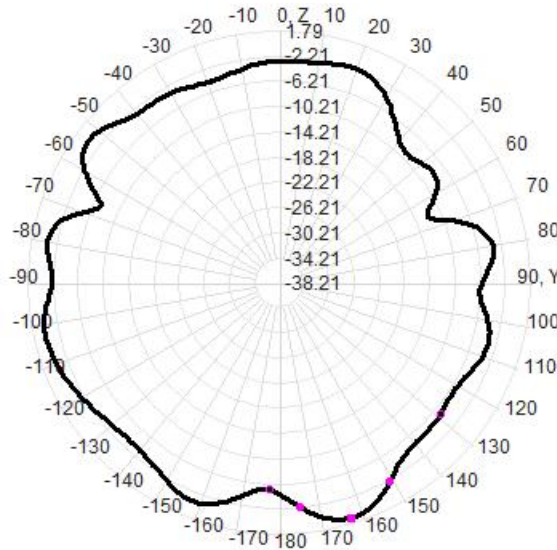
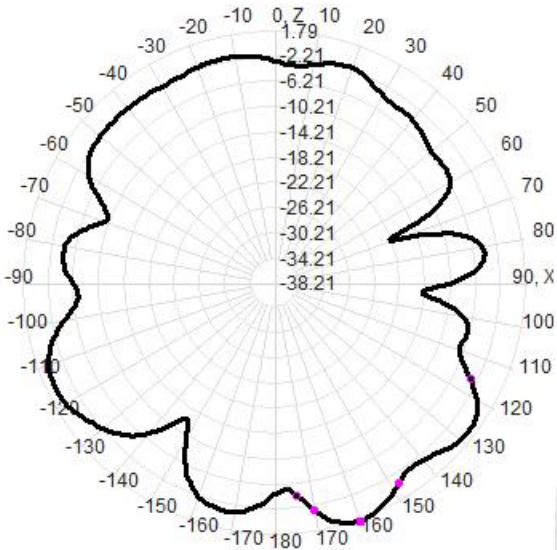
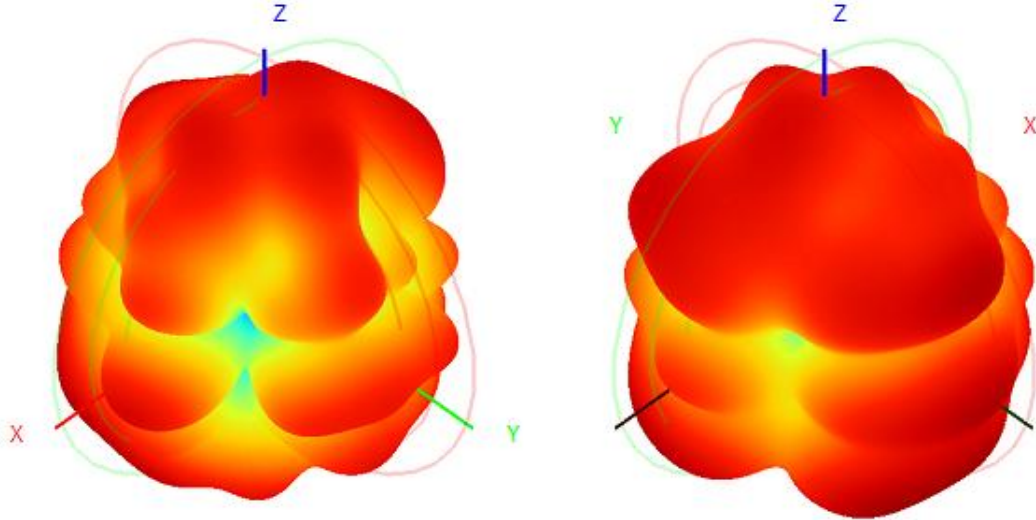


DIV天线	Element	Value
	E1 (0402)	N/A
	E2 (0402)	0欧姆
	E3 (0402)	N/A
	E4 (0402)	0欧姆

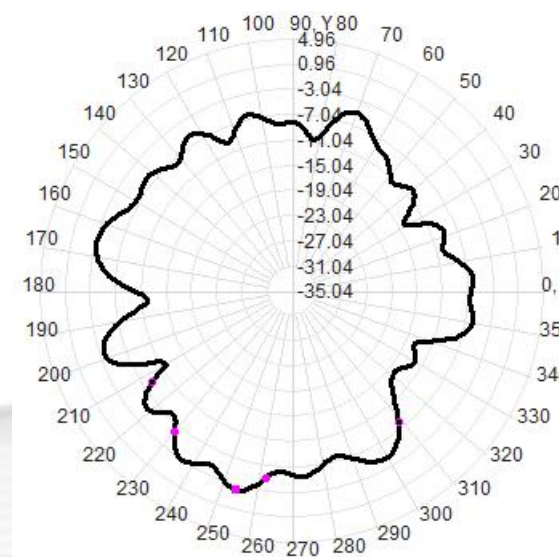
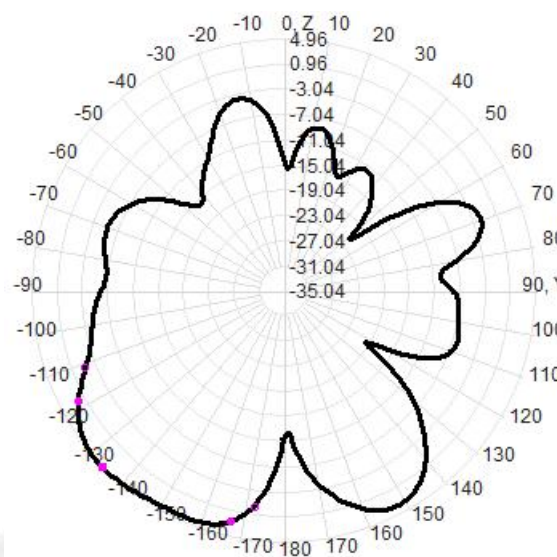
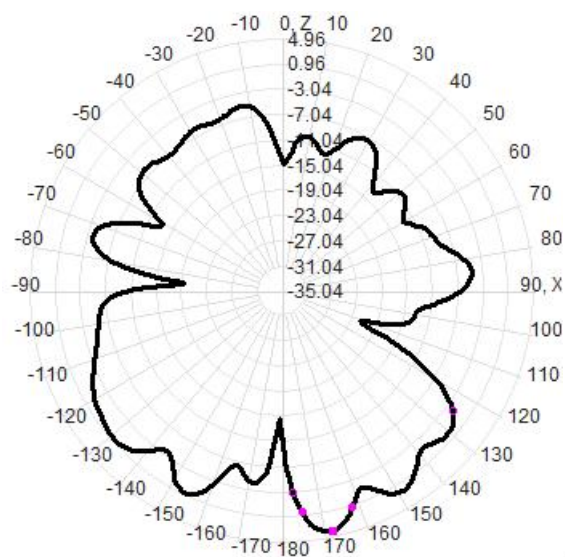
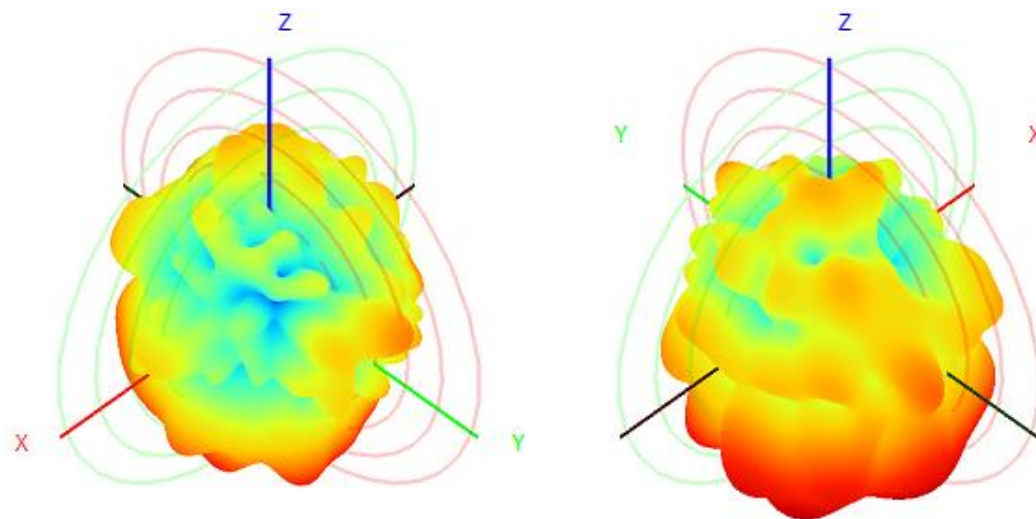


Frequency (MHz)	Efficiency (dBi)	Gain (dBi)	Efficiency (%)
2400.0	-4.14	1.47	38.51
2410.0	-3.93	1.73	40.45
2420.0	-3.72	1.80	42.42
2430.0	-3.84	1.40	41.34
2440.0	-3.74	1.02	42.31
2450.0	-3.71	1.59	42.58
2460.0	-3.55	1.02	44.13
2470.0	-3.47	1.20	44.94
2480.0	-3.45	1.32	45.17
2490.0	-3.71	1.34	42.52
2500.0	-3.82	1.34	41.54
5150.0	-3.57	1.00	43.96
5200.0	-3.41	1.68	45.59
5250.0	-2.71	1.32	53.61
5300.0	-2.60	1.50	54.93
5350.0	-2.54	1.31	55.74
5400.0	-2.59	1.38	55.11
5450.0	-2.71	1.49	53.59
5500.0	-2.58	1.10	55.21
5550.0	-2.64	1.38	54.51
5600.0	-2.55	1.45	55.53
5650.0	-2.63	1.77	54.62
5700.0	-2.87	1.05	51.68
5750.0	-2.70	1.41	53.73
5800.0	-2.75	1.36	53.08
5850.0	-3.25	1.98	47.35

2420MHz 2D/3D



5850MHz 2D/3D



天线实测

2.4G

测试手机:oppo find x3

办公室实测：10M无卡顿延迟

视频大小：420M

下载时间：110s

平均：3.8M/s

视频回放：无杂音

5.8G

测试手机:oppo find x3

办公室实测：10M无卡顿延迟

视频大小：440M

下载时间：43s

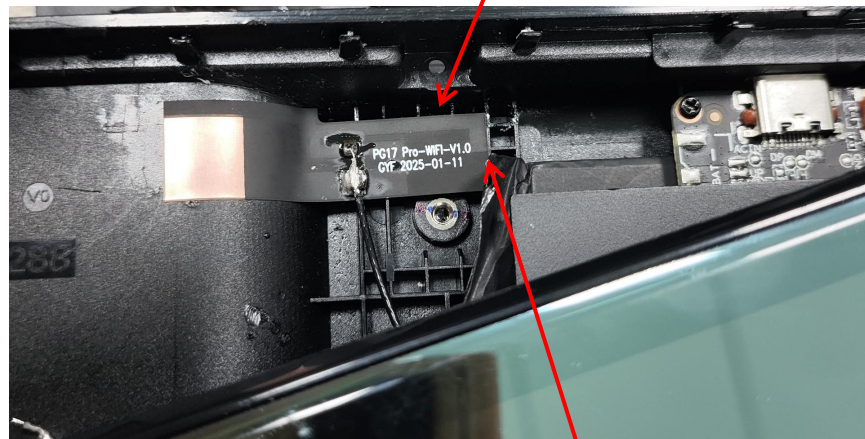
平均：10.2M/s

视频回放：无杂音

天线位置

Antenna dimension:32mm X 10mm

WIFI天线位置



天线贴在最后
一个格子的边
缘，如图所示

