



SHENZHEN DIBITONG TELECOMMUNICATION TECHNOLOGY CO.,LTD.

Antenna data sheet

- ◆ Projec: M 1
- ◆ Name: 2.4G WIFI antenna
- ◆ Antenna materials: FPC

Manufacturer: SHENZHEN DIBITONG TELECOMMUNICATION TECHNOLOGY CO., LTD.
Add: Rm505, 8th building, Yungu 2nd period, pingshan No.1 Road, Xili Town,
Nanshan District, ShenZhen, China

19.50±0.15

4.50±0.15

金手指

正面

金手指

背面无胶区域

2-Ø0.40过孔

背面

半对半基材 双面板 表面压黑色覆盖膜 字符亮白 电解铜 背胶3M9471 金手指沉金

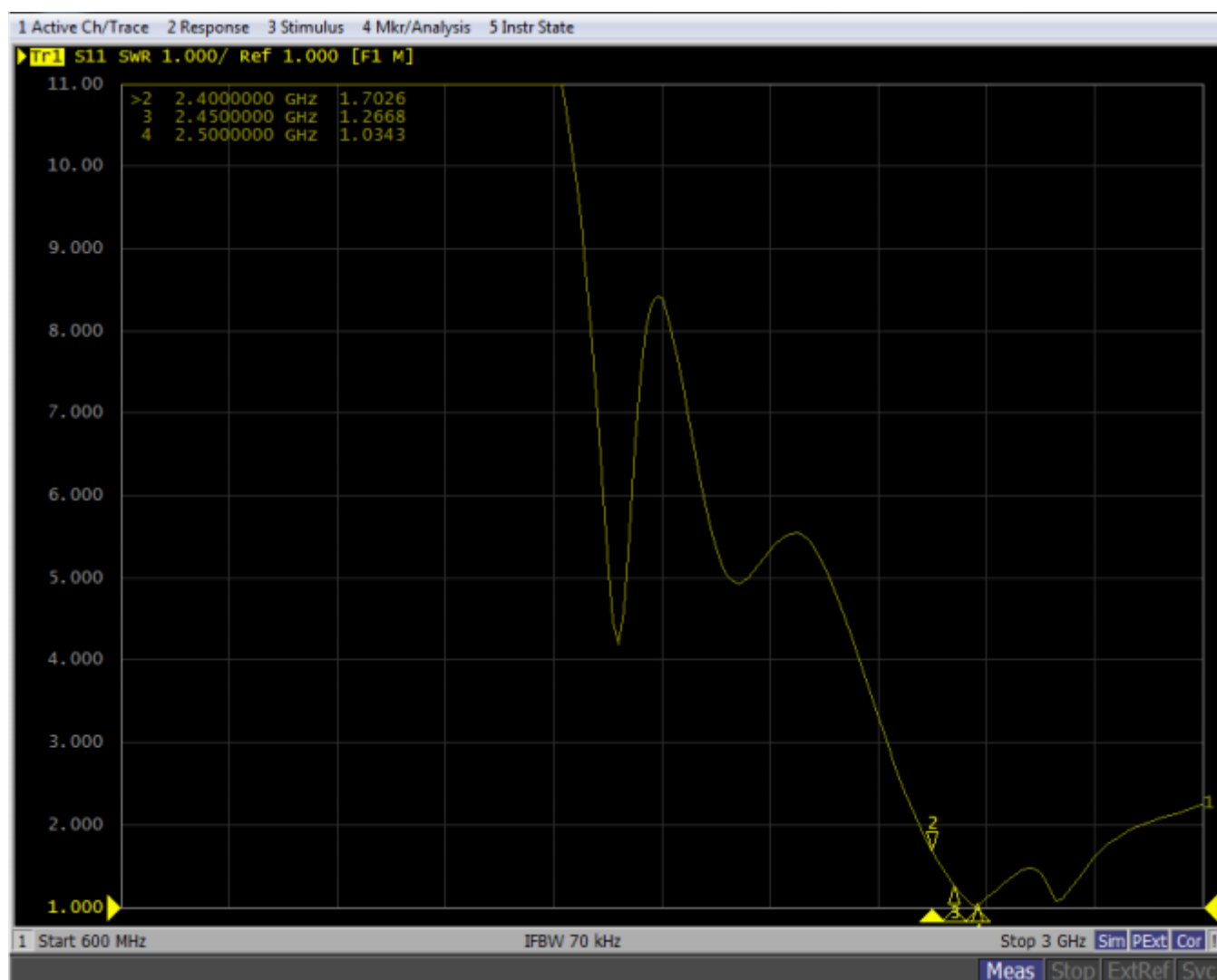
深圳市迪比通通讯设备有限公司

第三角法		机种	T240-M1F1/BT	日期	2024/09/30	页码	1/1
未注公差参见标准	10以下	±0.10	◎	0.02	0.03	料号	PC
	10~20	±0.12	└	0.02	0.04	材质	PI(聚酰亚胺)
	20~40	±0.15	└	0.04		表面处理	确认
	40以上	±0.20	└	0.02		外观处理	单位
请见实测图纸				比例		PTT	版本
				R:A			

2. Technical target

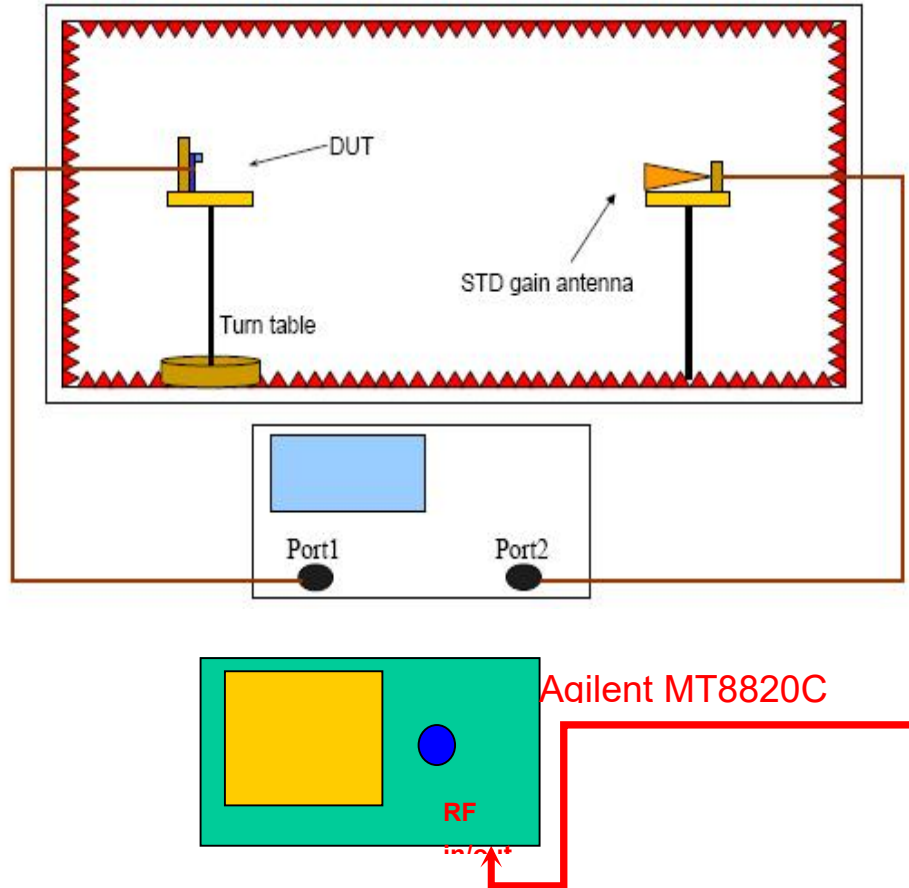
A. Electrical Parameter	
Frequency Range	2400-2500MHz
VSWR	2400-2500MHz: ≤ 2.0
Gain (MAX)	2402-2480MHz: -6.1dBi
Radiation efficiency	2400-2500MHz: 7.97%
Input Impedance	50 ohm
B. Material	
FPC	
C. Environmental Science	
Working Temperature	- 30°C ~ + 85 °C
Storage temperature	- 30°C ~ + 85 °C

3. Test results of antenna S11 parameters

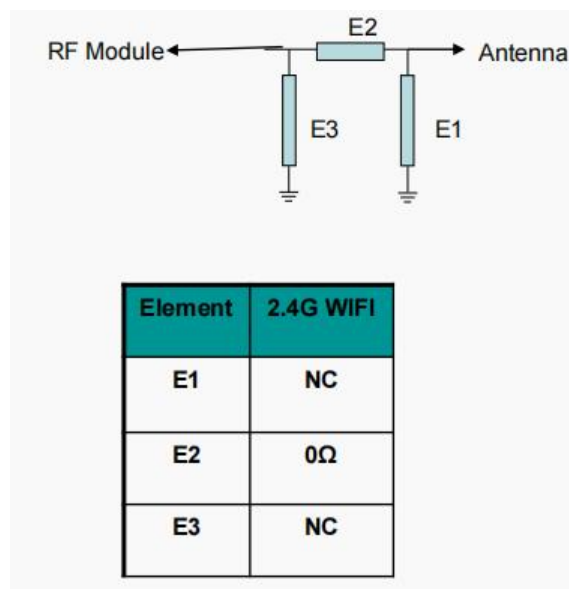


4. Dynamic test instruction-Antennas are placed in electronic scales

Testing instrument : Anrits CMW500+ Anechoic Chamber 6X4X3m(3D-OTA)



5. Matching Circuit



6. Antenna test report

Test data Gain/Efficiency/3D POLar plot & Radiation Pattern

Freq (MHz)	Effi (%)	Gain (dBi)
2400	7.01	-6.98
2410	5.58	-8.11
2420	6.43	-7.66
2430	9.1	-6.11
2440	7.76	-6.85
2450	8.24	-6.77
2460	9.59	-6.1
2470	7.78	-7.06
2480	7.97	-6.94
2490	9.83	-6.02
2500	8.43	-6.62

