



深圳力同创科技有限公司

Shenzhen Li Tongchuang Technology Co., Ltd.

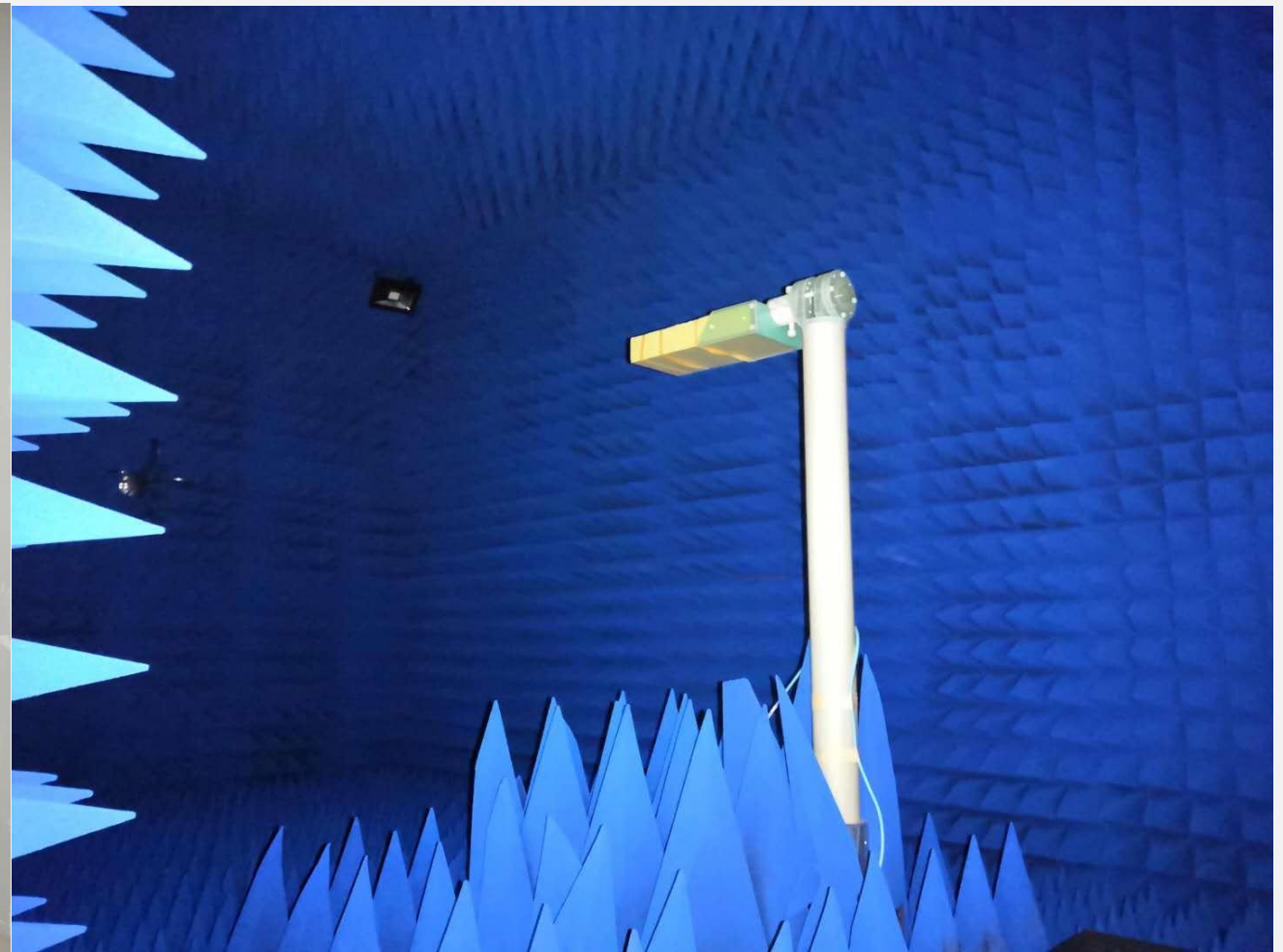
A01 蓝牙天线测试报告

Antenna Test Report

Address: 603 Huashenghui Commercial Building, Jinhai Road, Yantian Community, Xixiang Street, Bao'an District, Shenzhen

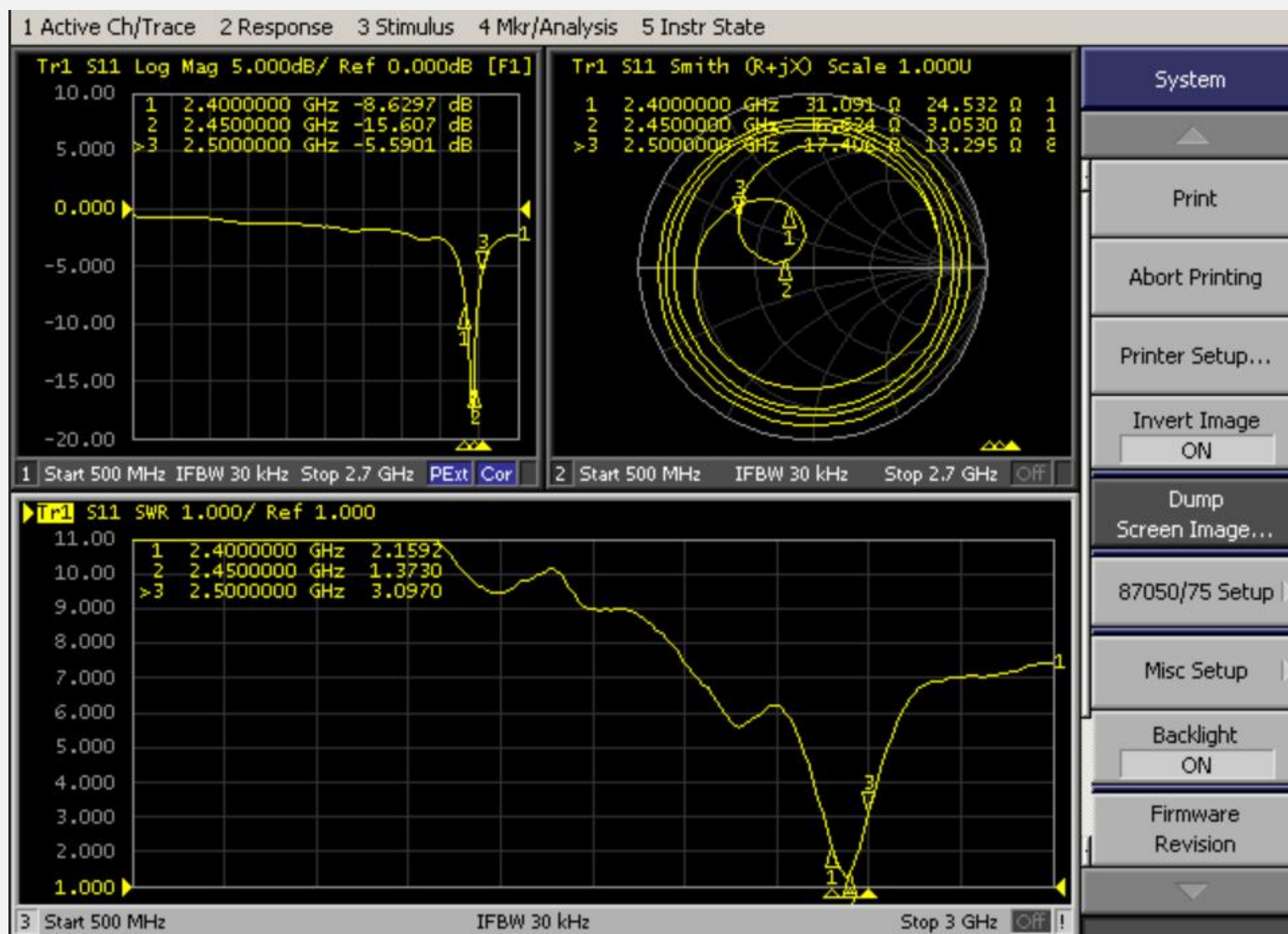
1.测试工具

矢量网络分析仪&综测仪	Agilent Technologies E5071B & R&S CMW500
暗室	Atenlab M3
温度	25℃
湿度	65% (RH)

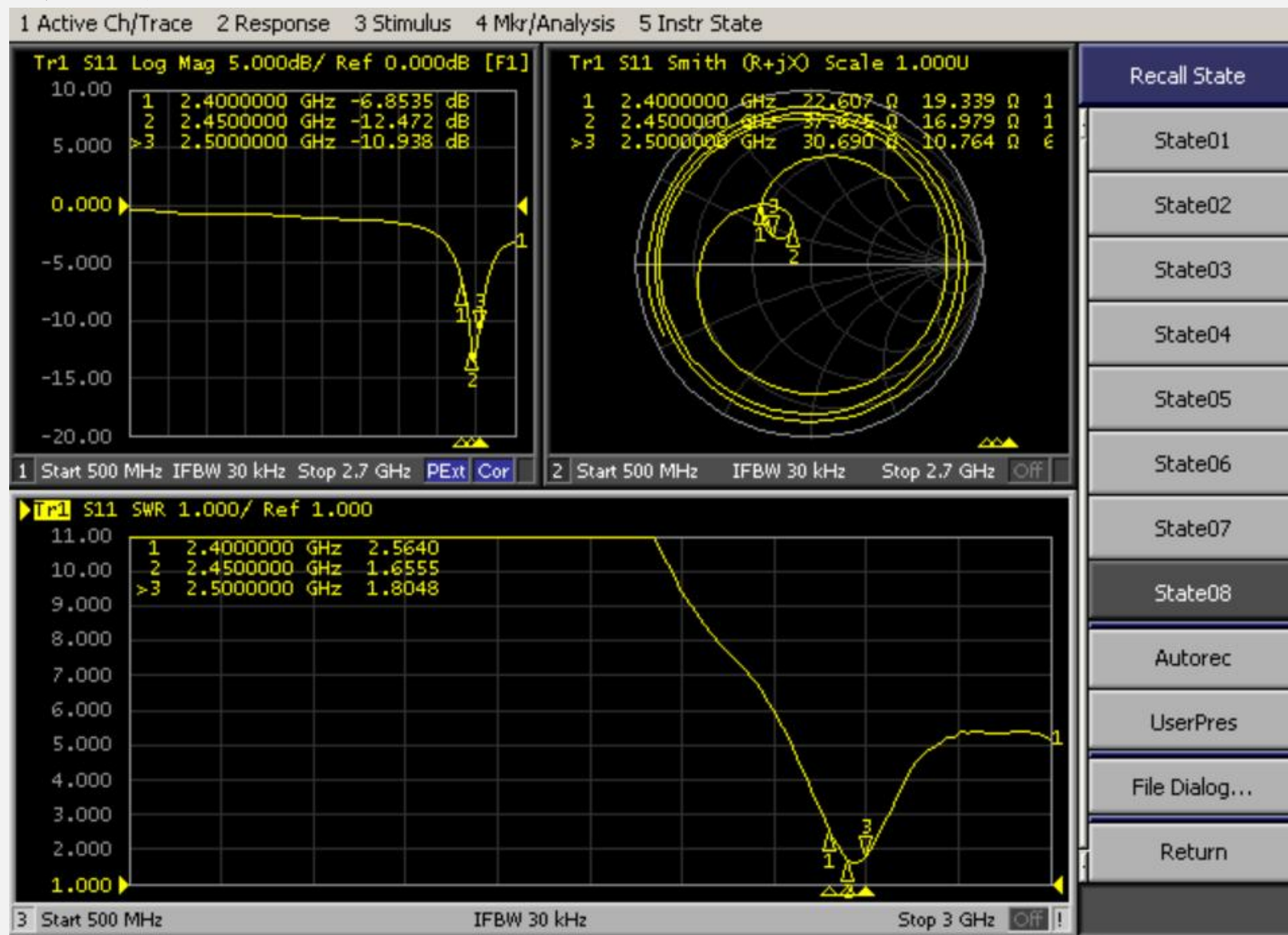


经典蓝牙

天线回波损耗及驻波比



天线回波损耗及驻波比



经典蓝牙自由空间无源测试数据

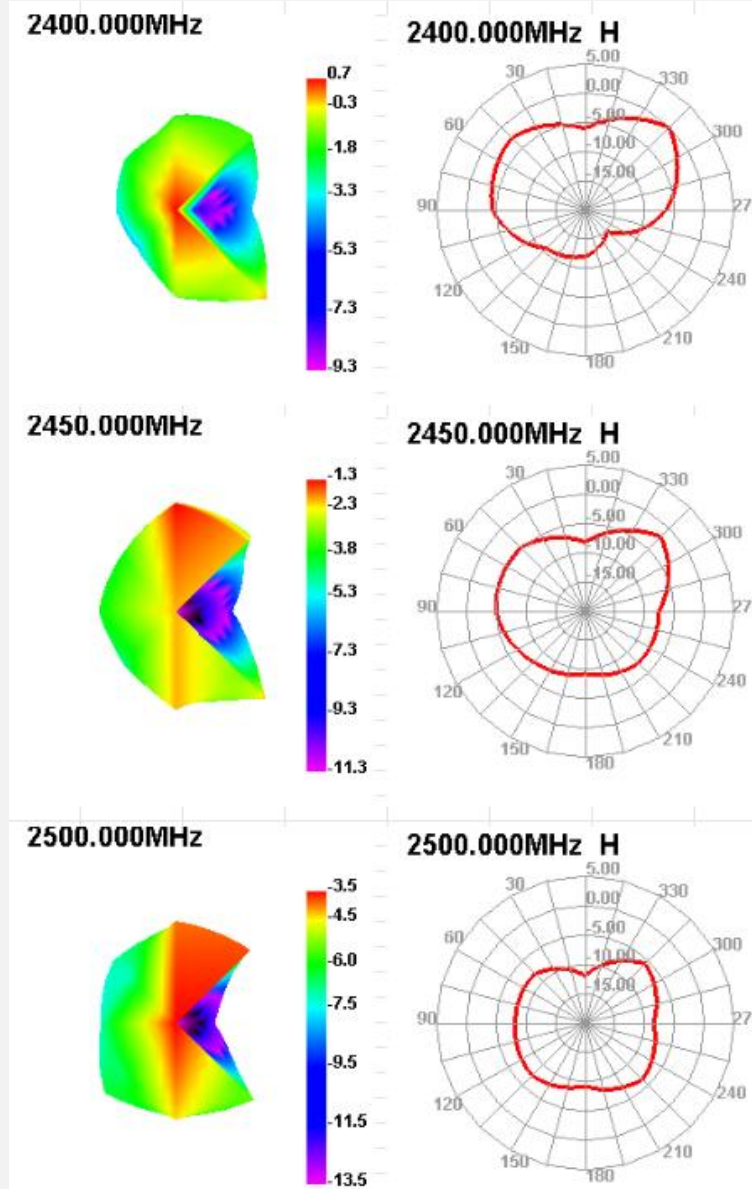
Classic Bluetooth free-space
passive test data

Antenna 2

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	30.41	-5.17	0.73	-1.42
2410	29.7	-5.27	0.28	-1.87
2420	29.29	-5.33	-0.36	-2.51
2430	28.2	-5.5	-1.03	-3.18
2440	25.6	-5.92	-1.66	-3.81
2450	27.14	-5.66	-1.35	-3.5
2460	25.51	-5.93	-1.67	-3.82
2470	22.33	-6.51	-2.27	-4.42
2480	21.51	-6.67	-2.54	-4.69
2490	17.59	-7.55	-3.43	-5.58
2500	17.38	-7.6	-3.48	-5.63



bt.xlsx



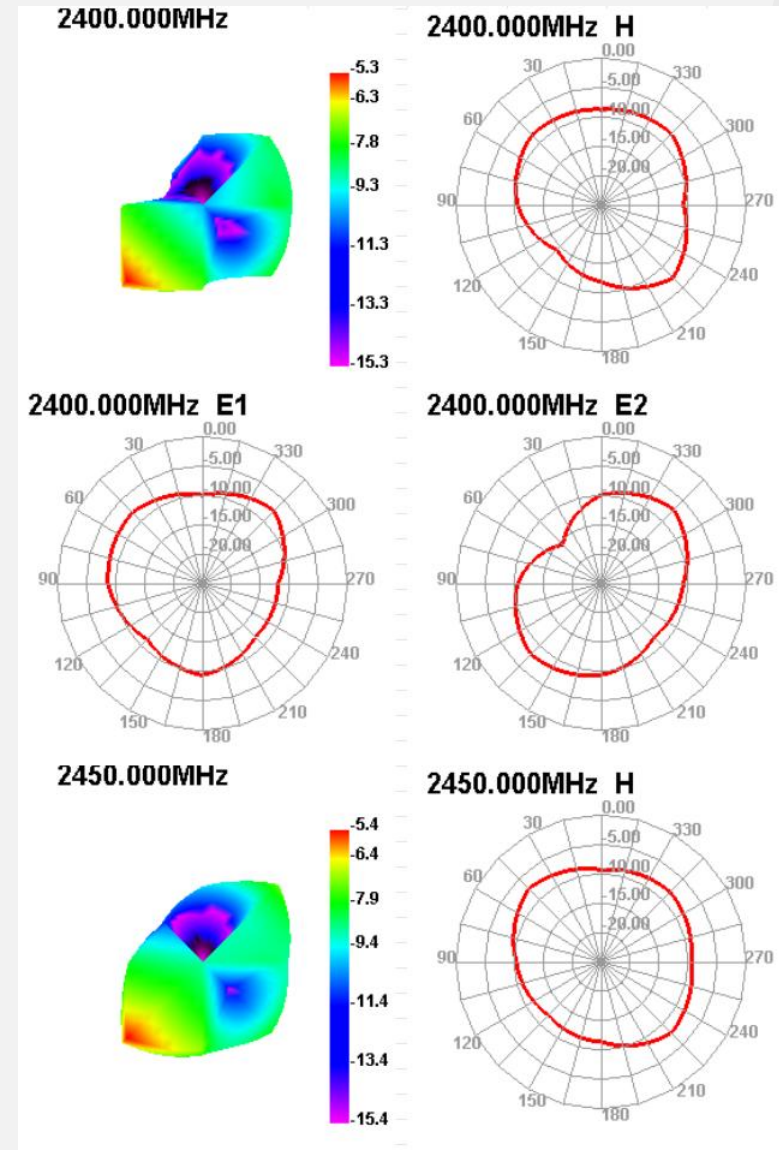
BLE自由空间无源测试数据

BLE Free-Space Passive Test Data Antenna 1

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	10.23	-9.9	-5.25	-7.4
2410	9.08	-10.42	-5.91	-8.06
2420	10.51	-9.78	-5.35	-7.5
2430	10.56	-9.77	-5.39	-7.54
2440	8.93	-10.49	-6.11	-8.26
2450	10.8	-9.67	-5.4	-7.55
2460	10.34	-9.85	-5.72	-7.87
2470	11.78	-9.29	-5.38	-7.53
2480	11.95	-9.23	-5.53	-7.68
2490	10.02	-9.99	-6.59	-8.74
2500	10.4	-9.83	-6.16	-8.31



BLE-Passive.xlsX



Antenna photo

Internal Photos(BLE ANT1)



Internal Photos(BT ANT2)

