



深圳力同创科技有限公司

Shenzhen Li Tongchuang Technology Co., Ltd.

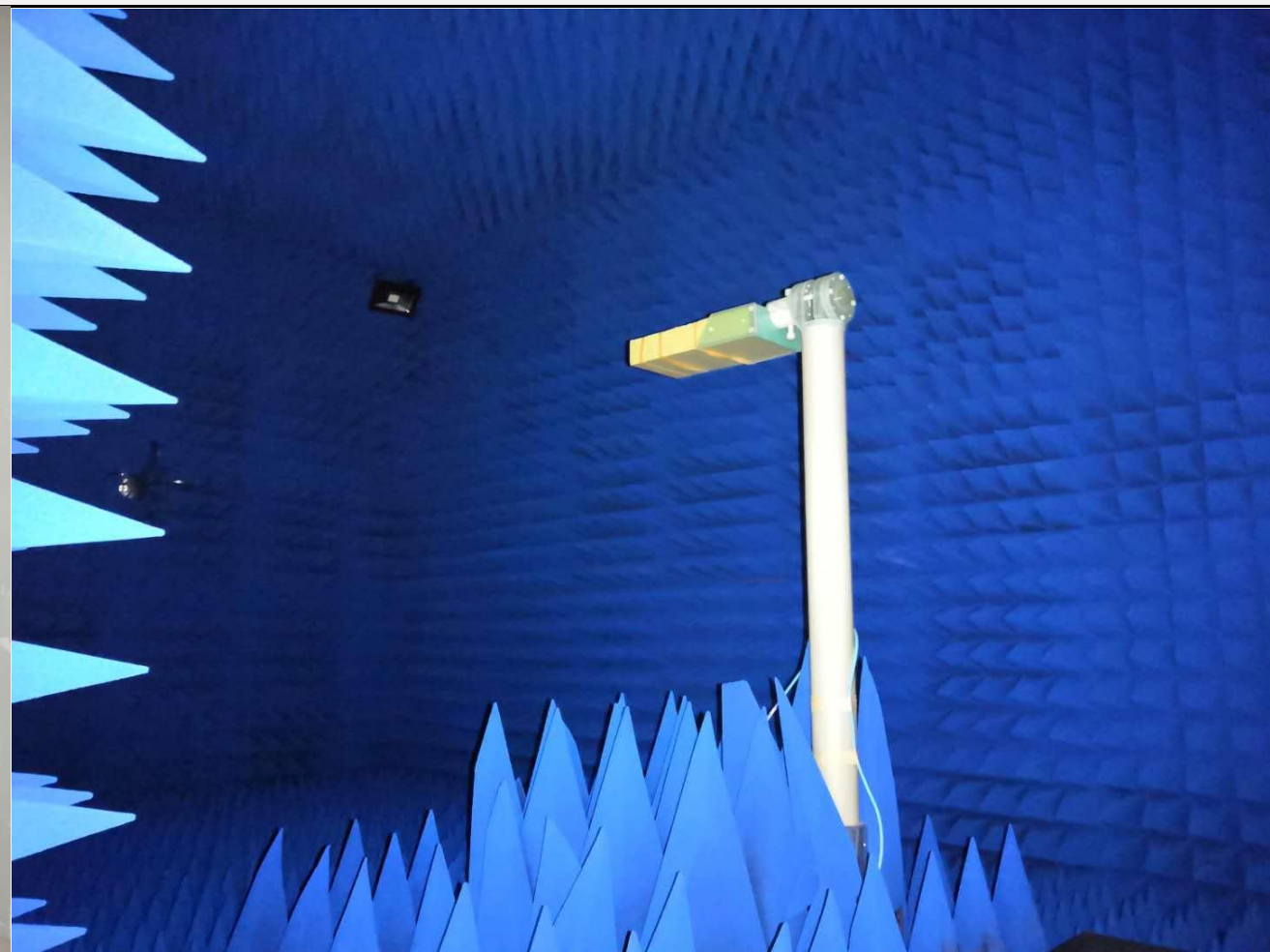
IBT-65陶瓷贴片天线测试报告 Antenna Test Report

◆ 日期：2025年11月26日

深圳市宝安区西乡街道金海路10号华盛辉商业大厦6楼605
605, 6th Floor, Huashenghui Commercial Building, No. 10 Jinhai Road, Xixiang Street, Bao'an District,
Shenzhen

1.测试工具

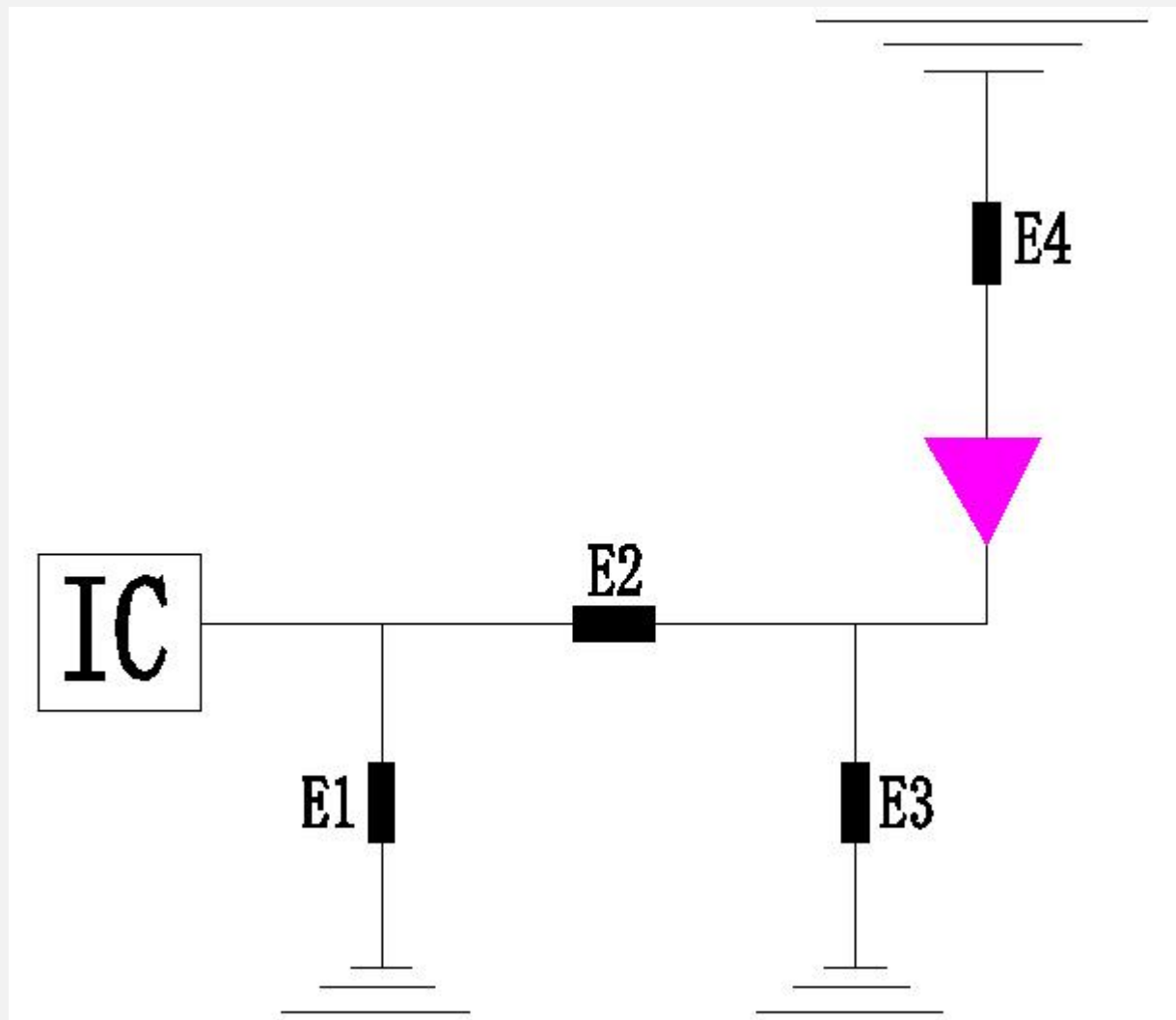
矢量网络分析仪&综测仪	Agilent Technologies E5071B & R&S CMW500
暗室	Atenlab M3
测试工程师	庄志成
温度	25℃
湿度	65% (RH)





客户	美师傅电子有限公司	项目名	IBT-65
频段	2400MHZ-2500MHZ	天线工程：	康中主
日期	2025/11/26	联系电话：	13510605042

IBT-65匹配电路图：



E01

2.4NH

E02

OR

E03

TVS管

E04

2.2PF

天线型号3216F245T01

天线回波损耗及驻波比

Li Tongchuang ANT S11 parameter Summary

Band	2400–2500 (MHz)		
	2400	2450	2500
R. L (dB)	-6.02	-12.2	-14.36
VSWR	3.01	1.66	1.46

LOG



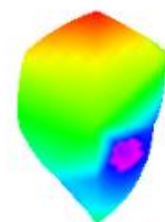
VSWR



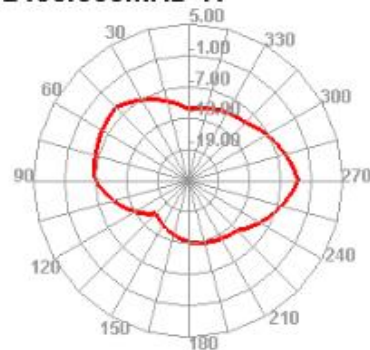
IBT-65自由空间无源测试数据

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	28.35	-5.47	3.47
2410	27.99	-5.53	3.4
2420	34.32	-4.64	4.27
2430	35.04	-4.55	4.29
2440	37.59	-4.25	4.62
2450	43.15	-3.65	5.21
2460	40.73	-3.9	4.9
2470	41.56	-3.81	4.83
2480	45.17	-3.45	4.96
2490	46.81	-3.3	4.83
2500	45.7	-3.4	4.54

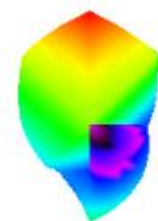
2400.000MHz



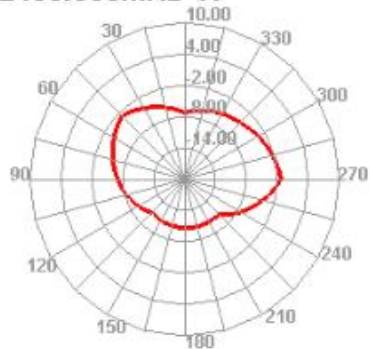
2400.000MHz H



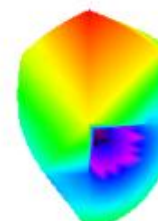
2450.000MHz



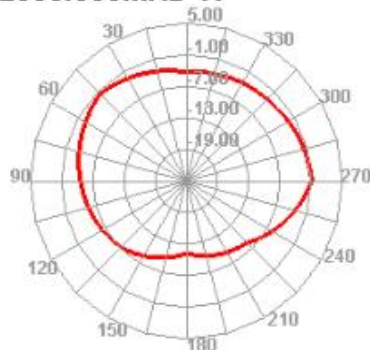
2450.000MHz H



2500.000MHz



2500.000MHz H



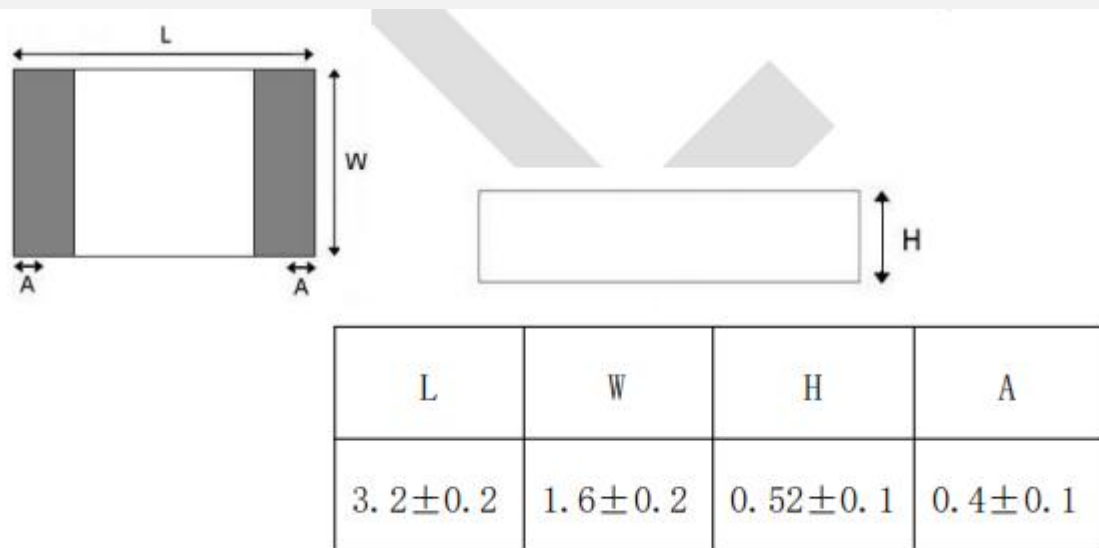
IBT-65自由空间有源测试数据

Test Result	Bluetooth TRP		
	0	39	78
Frequency (MHz)	2402	2441	2480
TRP(dBm)	0.61	2.54	3.55
NHPRP(dBm) 45	0.61	2.54	3.55
MAX(dBm)	5.16	6.91	8.39
EIRP peak	5.16	6.91	8.39
Min(dBm)	-5.23	-4.4	-3.73
Test Result	Bluetooth TIS		
	0	39	78
Frequency (MHz)	2402	2441	2480
TIS(dBm)	-81.28	-84.51	-87.47
NHPIS(dBm) 45	-81.28	-84.51	-87.47
RSSIAve	1.47	2.22	3.62
MaxPosRSSI	4.97	6.21	7.3
MaxPosSens	-84.77	-88.49	-91.15
MAX(dBm)	6.02	6.59	8.46
EIS peak	6.02	6.59	8.46
Min(dBm)	-4.37	-4.72	-3.66

制造商地址

深圳市宝安区西乡街道金海路10号华盛辉商业大厦6楼605
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Bao'an District, Shenzhen

天线尺寸





**感谢您的观看！
合作愉快**

