



深圳合翊讯科技有限公司

Shenzhen Heyi Xun Technology Co., Ltd.

承 认 书

SPECIFICATION FOR APPROVAL

客户名称 Customer Name	深圳市天合芯技术有限公司 Shenzhen Tianhexin Technology Co., Ltd.		
客户项目名Customer Project Name	S6S ultra	合翊讯项目名 HeYixun Project Name	S6S ultra
客户编码 Customer P/N		合翊讯料号 HeYixun P/N	S6S-R-V6& S6S-R-V6
频段 Band	2400MHz-2500MHz		
版本号 Version	V8		
射频工程师 RF Engineer	俸小恒	电子工程师 EE Engineer	罗煜雄
结构工程师 ME Engineer	朱增圆		

合翊讯审批/HeYixun Approval				客户批准/Customer Approval	
	制作 Prepared By	审核 Checked By	批准 Approval By	审核 Checked By	批准 Approval By
签章 Signature	朱增圆				
日期 Date	2025-08-02				

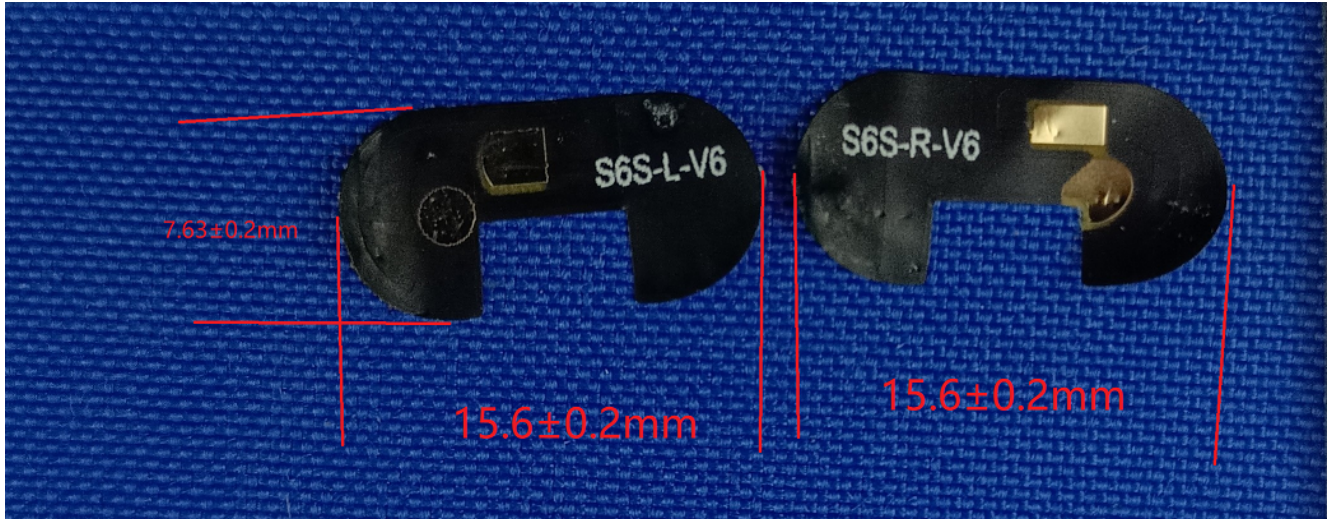
修订履历/Change Log				
版本 Version	修订内容 Change Description	责任人 Person in Charge	核准 Approval By	日期 Date

地址：深圳市宝安区西乡街道共乐社区铁仔路九方广场2栋1903-1905 TEL：0755-23591525 FAX：0755-23591525

ADD: 1903-1905, Building 2, Jiufang Plaza, Myrsine Africana Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen

产品图纸或实物图片

Drawing or Product Image



地址：深圳市宝安区西乡街道共乐社区铁仔路九方广场2栋1903-1905

TEL: 0755-23591525 FAX: 0755-23591525

ADD: 1903-1905, Building 2, Jiufang Plaza, Myrsine Africana Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen



样品尺寸测量报告

Sample Dimensions Test Report

客户名称 Customer Name	深圳市天合芯技术有限公司 Shenzhen Tianhexin Technology Co., Ltd.	客户料号 Customer P/N		合翊讯料号 HeYixun P/N	HYX0070-S6S-Ultra-R-V8
测试日期 Test Date	2025-08-02	样品数量 Sample Qty.	3	测试人 Inspector	朱增圆
尺寸编号 Dimension No.	标准 Standard	样品 1 Sample 1	样品 2 Sample 2	样品 3 Sample 3	Pass/NG
①长度	15.64±0.2mm	15.64mm	15.62mm	15.65mm	Pass
②宽度	7.63±0.2mm	7.63mm	7.64mm	7.63mm	Pass
③厚度	0.2±0.05mm	0.22mm	0.20mm	0.20mm	Pass
最终结论 Conclusion					PASS
测试人&日期 Inspector & Date	朱增圆 2025-08-02		批准&日期 Approval &Date		

地址：深圳市宝安区西乡街道共乐社区铁仔路九方广场2栋1903-1905 TEL：0755-23591525 FAX：0755-23591525

ADD: 1903-1905, Building 2, Jiufang Plaza, Myrsine Africana Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen

射频性能测量报告

RF Performance Test Report

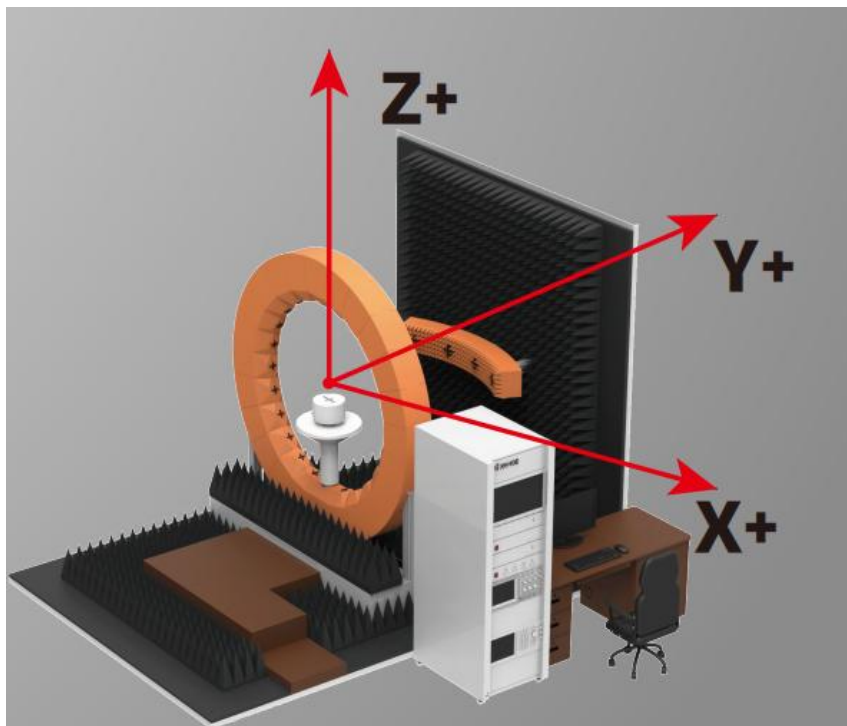
客户名称 Customer Name	深圳市天合芯技术有限公司 Shenzhen Tianhexin Technology Co., Ltd.	项目名称 Project Name	S6S ultra	合翊讯料号 HeYixun P/N	HYX0070-S6S-Ultra-R-V8
频段 Band	2400MHz-2500MHz	测试日期 Test Date	2025-08-2	测试人 Inspector	朱增圆

天线测试设备简介

Antenna Test Equipment Introduction

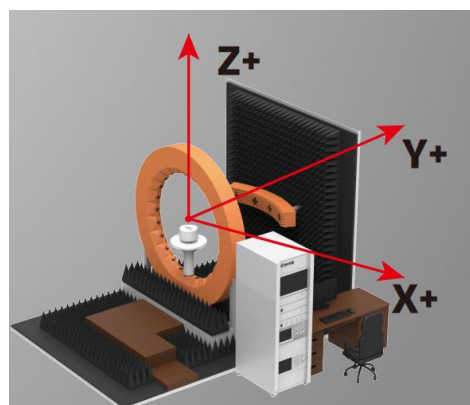
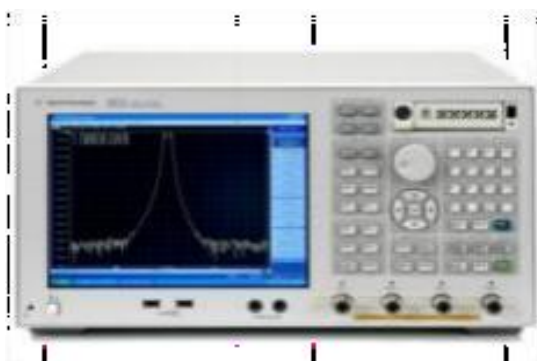
测试天线输入特性使用 Agilent E5071C and Agilent 5071C 矢量网络分析仪；辐射特性利用 ETS 三维近场暗室进行测试，并分别使用 CMW500 和 Agilent 5071C 进行了分析。暗房的测试坐标如下：

Test of antenna input characteristics using Agilent E5071C and Agilent 5071C vector network analyzer；The radiation pattern of the antenna are tested using the ETS starlab 3D near field Anechoic Chamber, and the instrument is used to agilent8960 E5515 and Agilent E4438C. The test coordinates of the darkroom are as follows：



TestSystem

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



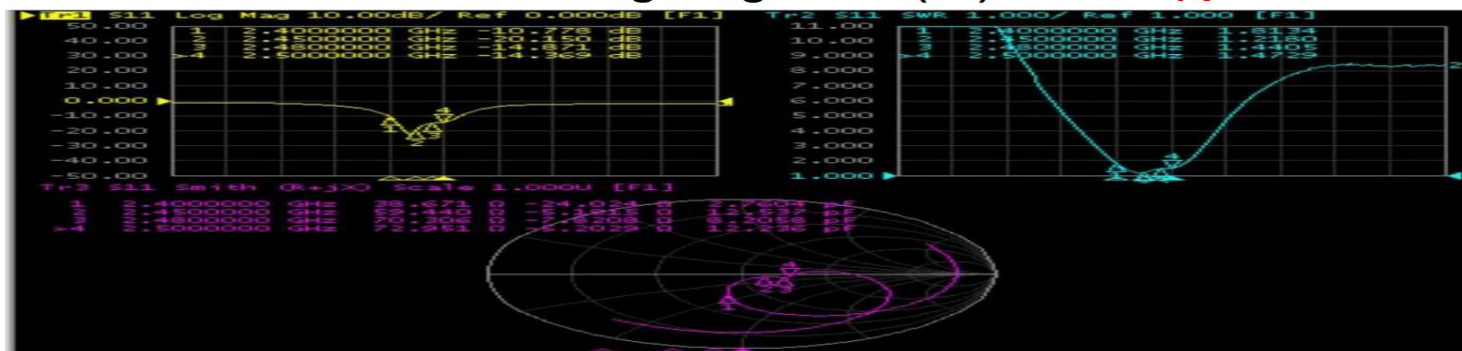
地址：深圳市宝安区西乡街道共乐社区铁仔路九方广场2栋1903-1905

TEL: 0755-23591525 FAX: 0755-23591525

ADD: 1903-1905, Building 2, Jiufang Plaza, Myrsine Africana Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen

2. Test Result VSWR&Log Mag&Smith(Ω)

R



Frequency (MHz)	2400	2450	2480	2500
Log Mag	-10.77	-20.15	-14.87	-14.36
Smith(Ω)	38.67	59.44	70.30	72.95
VSWR	1.81	1.21	1.44	1.47

...

3. Test Result

Left Earphone		
Frequency(MHz)	Efficiency(%)	Max Gain(dBi)
2400	26.88	-2.82
2440	26.66	-2.49
2480	28.18	-1.62
Right Earphone		
Frequency(MHz)	Efficiency(%)	Max Gain(dBi)
2400	26.56	-2.66
2440	26.37	-2.23
2480	28.18	-1.62

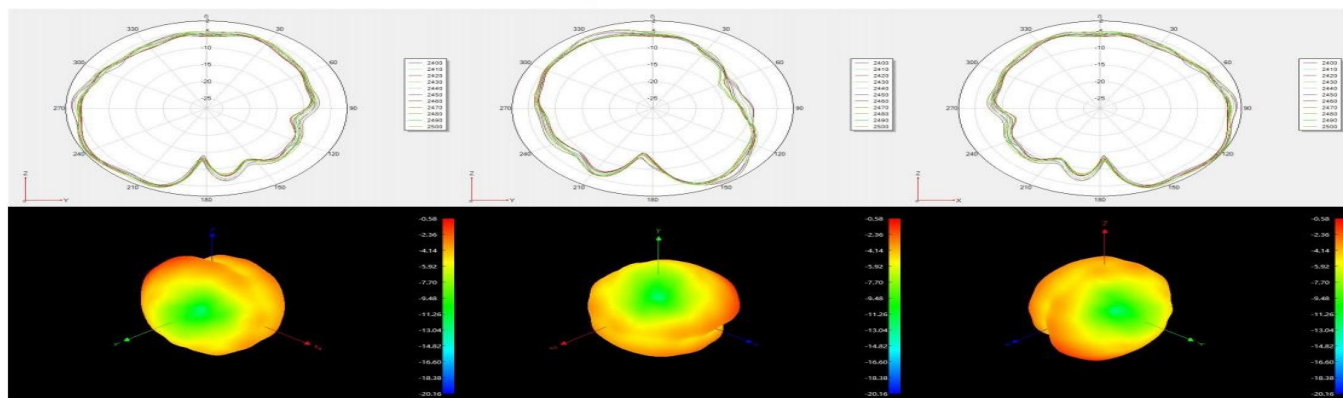
地址：深圳市宝安区西乡街道共乐社区铁仔路九方广场2栋1903-1905

TEL: 0755-23591525 FAX: 0755-23591525

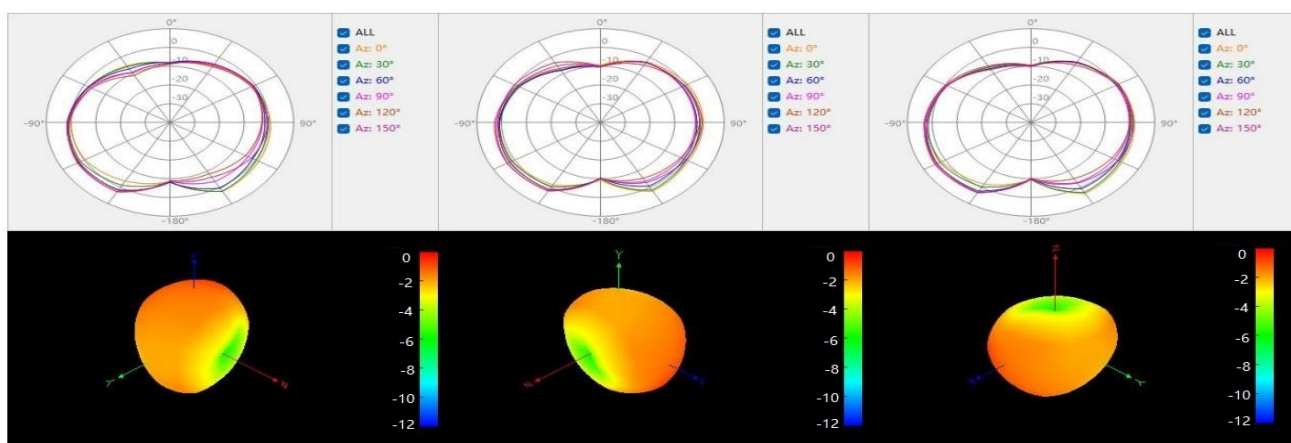
ADD: 1903-1905, Building 2, Jiufang Plaza, Myrsine Africana Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen

4. Test Result

4.2 2D Pattern—BTANT left earphone



BTANT Right earphone



3.OTA Data

自由数据-1#

Test Equipment:		R&S CMW500		
Test Condition:		3D chamber		
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	1.76	-85.33
		39	1.57	-85.82
		78	1.03	-85.91
	R	0	0.94	-84.41
		39	1.55	-85.22
		78	1.37	-85.73

头模数据-1#

Test Equipment:		R&S CMW500		
Test Condition:		3D chamber		
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	-2.25	-81.21
		39	-2.39	-81.17
		78	-3.16	-81.09
	R	0	-3.10	-80.85
		39	-2.28	-81.11
		78	-2.57	-81.13

自由数据-2#

Test Equipment:		R&S CMW500		
Test Condition:		3D chamber		
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	1.06	-84.47
		39	1.47	-85.74
		78	0.91	-85.22
	R	0	1.14	-85.01
		39	1.27	-85.25
		78	1.03	-85.14

头模数据-2#

Test Equipment:		R&S CMW500		
Test Condition:		3D chamber		
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	-2.83	-80.56
		39	-2.41	-81.51
		78	-2.99	-81.37
	R	0	-2.65	-81.71
		39	-2.43	-81.43
		78	-2.46	-81.06

传导数据

Test Equipment:		R&S CMW500		
Test Condition:		3D chamber		
Band		Channel	TRP(dBm)	TIS(dBm)
BT	L	0	8.94	-92
		39	9.04	-92
		78	9.58	-92
	R	0	8.89	-92
		39	8.99	-92
		78	9.46	-92

地址：深圳市宝安区西乡街道共乐社区铁仔路九方广场2栋1903-1905

TEL: 0755-23591525 FAX: 0755-23591525

ADD: 1903-1905, Building 2, Jiufang Plaza, Myrsine Africana Road, Gongle Community, Xixiang Street, Bao'an District, Shenzhen