

深圳卓隆智能电子有限公司

承 认 书 APPROVAL SHEET

产品描述: Part Description	生产厂家: Vendor: Shenzhen He Sheng Zhi Lian Technology Co., Ltd.		版本: A/1 Description:	
	产品名称: Product Name: 蓝牙天线		所承认项目: _____ Project:	
	物料代码: Part No. HS-TX006			
附件: Attachments	☐ 规格书 Spec ☐ 尺寸测试报告 FAI Report ☐ QC工程图 QC engineering drawing ☒ 工程图纸 Drawing ☐ 可靠性测试报告 Reliability Report ☐ 材质证明书 Material Verification Sheet ☒ 样品 Sample ☐ CPK 报告 Cpk Report ☐ RoHS 认证报告 RoHS Certification Report ☐ 包装方式 Packing Content ☐ RoHS声明 RoHS declaration			
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1. Indication

This report contains the electrical and mechanical performance of the proposed Internal antenna to support program. The antenna is covering the bands. (see Figure1)

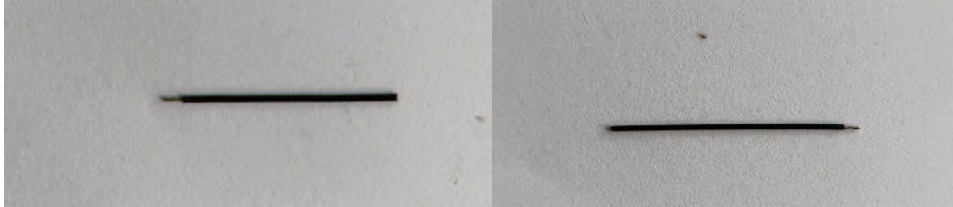


Figure 1: Proposed Antenna

2. Electrical Performance

2.1 Matching Circuit Description

N/A

2.2 Test Set-up

The antenna was evaluated using the customer provided bar phone. Figure 2 shows the antenna mounted on the test fixture. This section of the report describes the testing on this test fixture.

Figure 2: Antenna Mounted on ZW86S Test Fixture

2.2.1 VSWR

VSWR measurements (S_{11}) were performed using E5071C Network Analyzer and the previously described test fixture. A ferrite-loaded coaxial cable was used to mitigate surface currents on the outside of the cabling. The testing was performed in free space.

2.2.2 TRP/TIS/Gain/Efficiency/Radiation Patterns

Those test items were measured in the Zhengxinliang Communication Technology anechoic chamber. The chamber provides less than -40 dB reflectivity from 800 MHz through 6 GHz and 25cm diameter spherical quiet zone. The measurement results are calibrated using both dipole and leaky wave horn standards.

2.3 Measurement Data

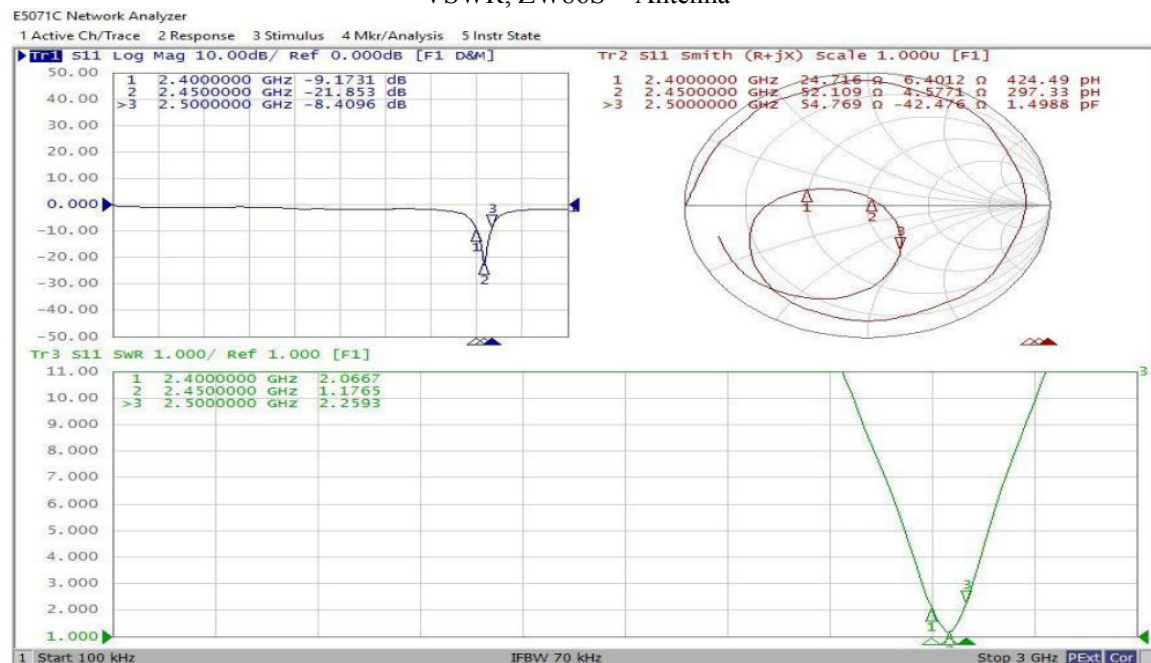
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Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	8.88	-10.52	-5.81	-7.96	4.427	4.454	-5.81	-19.81	50.79	51.06
2410	8.44	-10.74	-6.94	-9.09	4.096	4.339	-6.94	-20.29	50.62	51
2420	8.78	-10.57	-6.51	-8.66	4.224	4.556	-6.51	-21.32	50.93	51.41
2430	8.83	-10.54	-6.51	-8.66	4.182	4.651	-6.51	-21.72	51.4	51.56
2440	8.82	-10.55	-7.2	-9.35	4.148	4.668	-7.2	-27.47	51.33	51.65
2450	8.62	-10.64	-7.22	-9.37	4.07	4.55	-7.22	-22.11	51.12	51.51
2460	8.06	-10.94	-7.11	-9.26	3.768	4.293	-7.11	-24.47	51.08	51.25
2470	7.58	-11.2	-7.41	-9.56	3.532	4.045	-7.41	-21.47	51.17	51.42
2480	8.42	-10.75	-7.13	-9.28	3.922	4.495	-7.13	-20.08	51.6	51.62
2490	8.51	-10.7	-6.56	-8.71	3.854	4.657	-6.56	-22.47	51.55	51.51
2500	7.69	-11.14	-6.69	-8.84	3.438	4.249	-6.69	-22.6	51.33	51.49

2.4 Attachment of Electrical Measurement Data

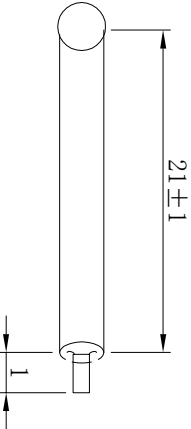
2.4.1 S11 Parameter-BT

VSWR, ZW86S Antenna



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