

东莞可讯电子有限公司

样品承认书

Parts Approval Sheet

生产厂商: 可讯电子 部品名称: 三频段天线-3dbi-内 PCB-1.13 黑外露 31mm 带扣

Supplier

Parts Name

型号/规格: _____ 客户料号: 10031833

Type/Spec

Parts No.

品 牌: _____ 样品数量: 10

Brand

Quantity

送样日期: 2025.8.27 文件编号 _____

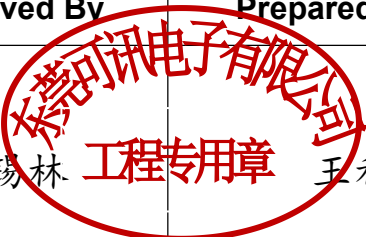
Send out Date

Document No.

承认日期: _____ 版 本: A0

Approve Date

Version

Supplier		Customer	
Approved By	Prepared By	Engineering Dept.	Quality Dept.
 黄锡林 工程专用章 王利			

[illegible]

一、Electrical parameters

Frequency	2.4&5GHz&6G
V.S.W.R	3.0MAX
Gain(Peak)	2.4G(Max):2.88dBi 5G(Max):3.05dBi

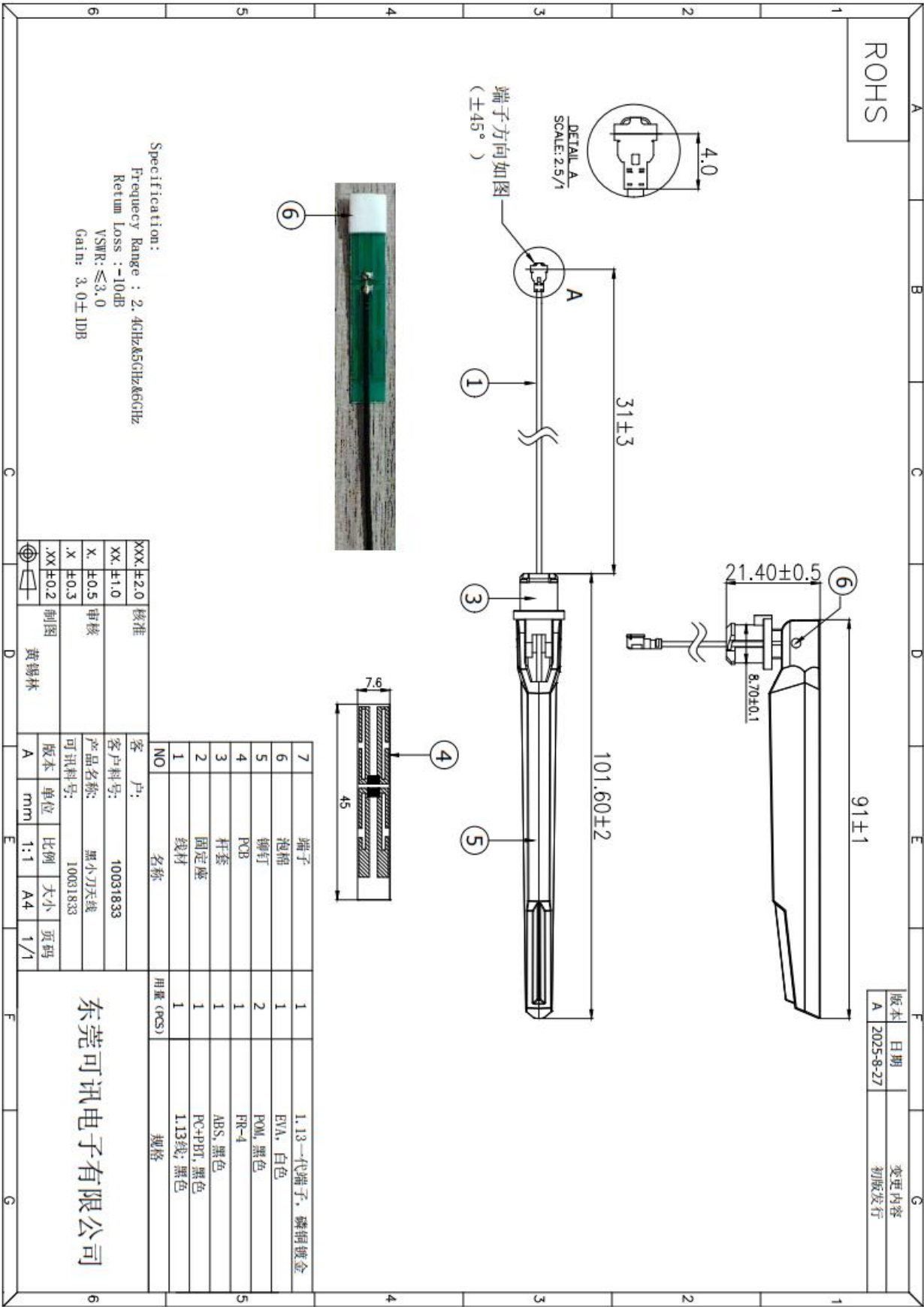
二、Mechanical parameters

Cable	31mm±5mm
concentric cable	1.13 black line

三、Working/storage temperature

Operating temperature	-30℃～65℃
Adhesive Temperature Characteristics	-20~85℃
Storage temperature	-0℃～75℃

五、Structural dimension diagram



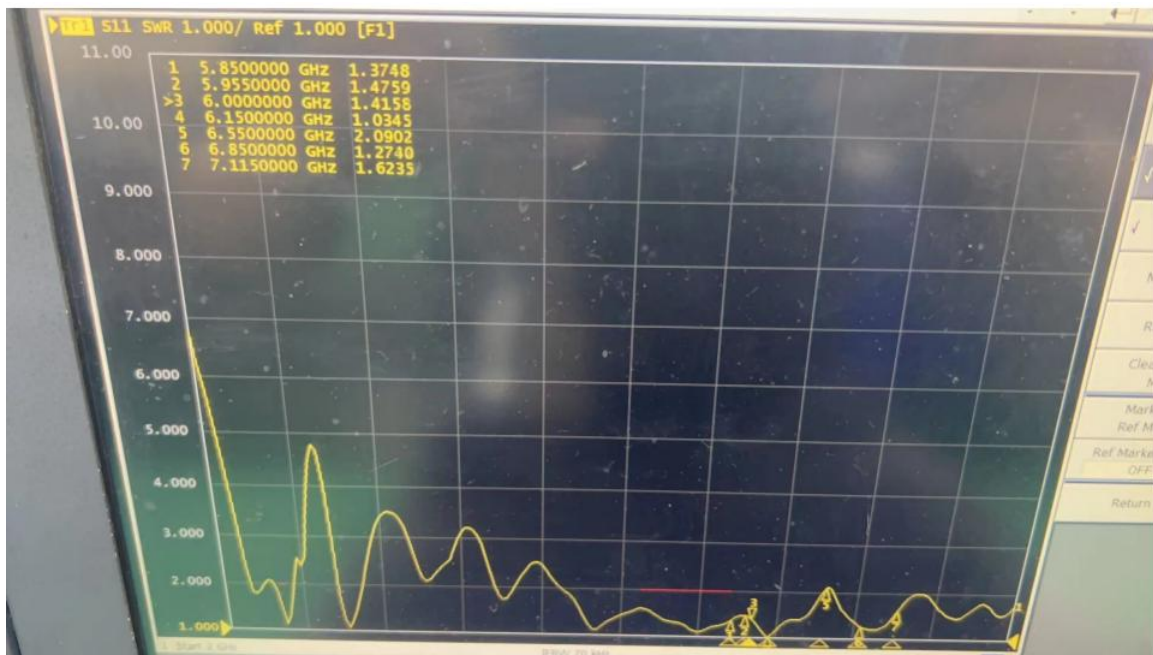
六、 Usage precautions: None

七 Environmental and Reliability Experiment

project	experimental condition	Performance Requirements	Experimental/testing equipment
Low-temperature storage	Temperature $-30\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ /humidity 0%/RH/time 48H	No impact on appearance and functional testing after the experiment	Constant temperature and humidity testing machine
High temperature and high humidity storage	Temperature $-70\text{ }^{\circ}\text{C}$, humidity 90~95%/RH time 48H	No impact on appearance and functional testing after the experiment	Constant temperature and humidity testing machine
Thermal Shock Test	Product environment: Place at $-35\text{ }^{\circ}\text{C}$ for 2 hours, then transfer to $80\text{ }^{\circ}\text{C}$ for 2 hours, for a total of 12 cycles of 48 hours	No impact on appearance and functional testing after the experiment	Cold and hot shock testing machine

八、 test data 1、 V. S. W. R (2.4GHz&5.8GHz)





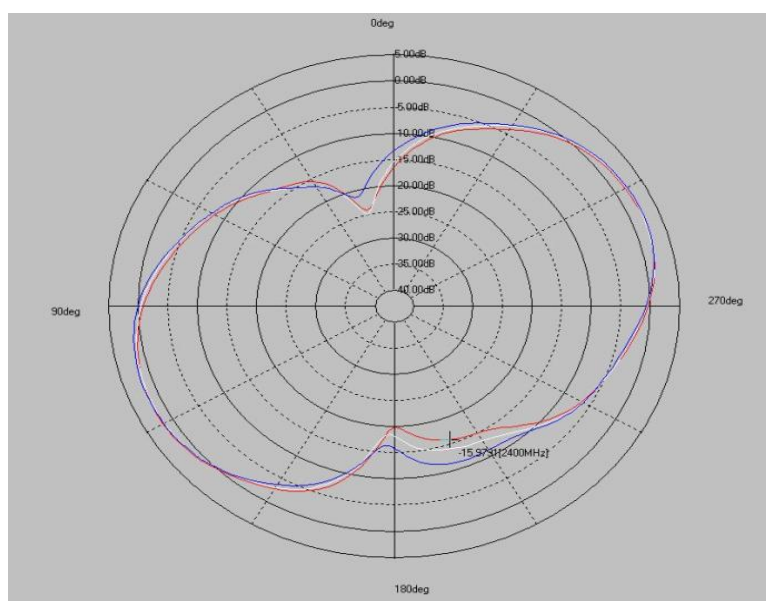
2、Efficiency

Frequency (MHz)	X-Z plane Phi=0		Y-Z plane Phi=90		X-Y plane theta=90		E-total (dBi)	Efficiency (%)
	Peak Gain	Averag e Gain	Peak Gain	Averag e Gain	Peak Gain	Averag e Gain		
5100	2.11	-2.54	2.40	-3.05	2.62	2.45	3.05	72%
5450	2.20	-2.21	3.13	-3.19	2.70	2.36	2.85	69%
5800	2.32	-2.91	2.30	-2.88	2.63	2.56	2.95	70%
6000	2.30	-2.66	2.30	-2.55	2.43	2.38	2.56	60%
6150	2.31	-2.51	2.33	-2.56	2.51	2.44	2.51	62%

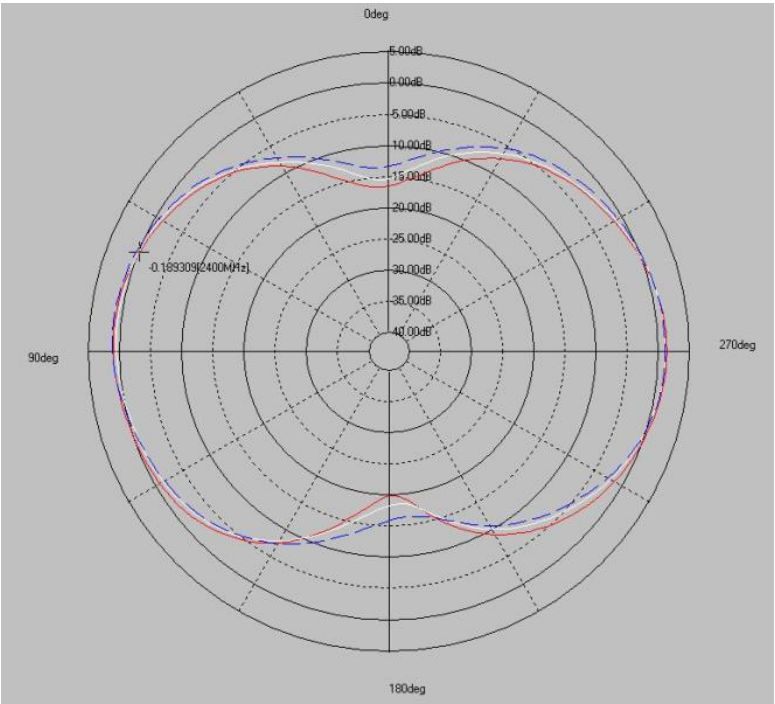
6550	2.28	-2.58	2.41	-2.61	2.33	2.54	2.75	65%
6850	2.32	-2.61	2.55	-2.63	2.35	2.48	2.71	66%
7115	2.22	-2.61	2.41	-2.35	2.45	2.39	2.68	63%
2400	2.25	-2.35	2.56	-2.68	2.81	2.66	2.83	68%
2450	2.36	-2.53	2.64	-2.81	2.75	2.65	2.82	70%
2500	2.65	-2.62	2.82	-2.88	2.85	2.71	2.88	69%

3、Direction diagram

x-z plane



y-z plane



x-y plane

