

天 线 规 格 书

Antenna specification for approval

客户名称:爱笙电子

机型:

天线类型:BT天线

天线频段:2.4G

天线料号:V16-3G2010-000-A (弯头)

制作日期:2024-09-24

Version: A			
承认签章 Admit that signature			
云希承认 Confirmation Signature		客户承认 Customer Approved	
承 办 人 Responsible		承 办 人 Responsible	
品质 QC		主管 Chief	
核准 Approve		核准 Approve	
日 期 Date		日 期 Date	



天 | 线 | 制 | 造 | 商

深圳市云希科技有限公司

Shen zhen Vic-Proud Technogy Co.,Ltd

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一：概述

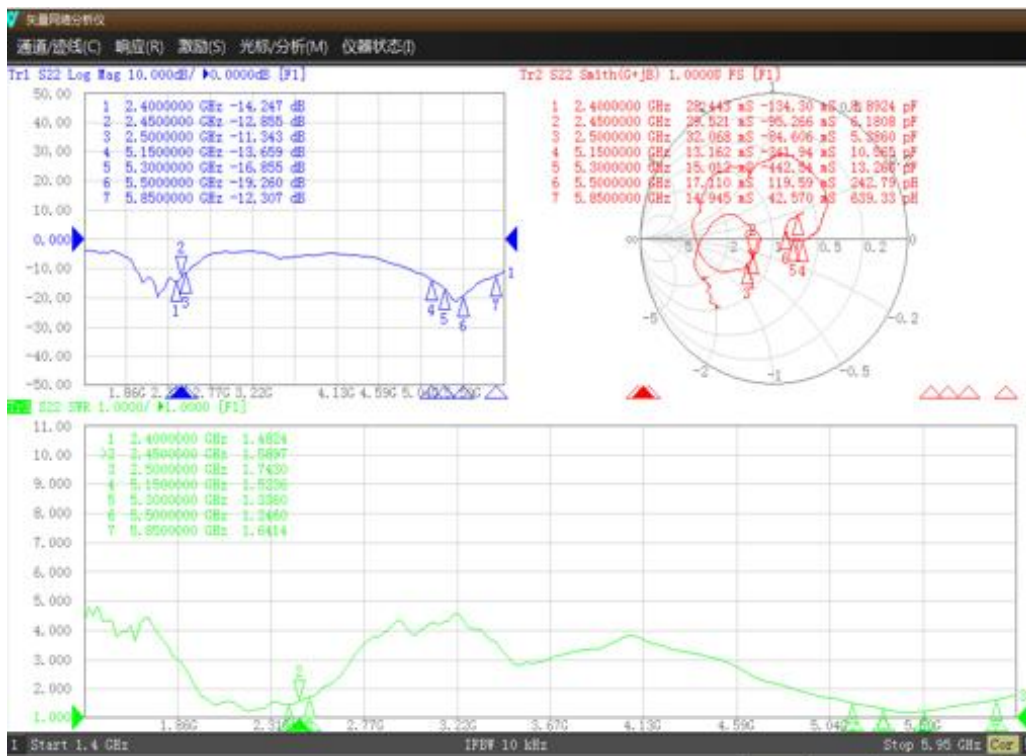
- This approval sheet supports for BT antennas project. This report is for the performance of BT antenna.
- Antenna shape size: Meet the requirement of BT antennas
- Antenna band: 2400MHz~2500MHz
- Antenna material: Antenna material meet the requirement of BT antennas
- Adhesive performance: Adhesive performance meet the requirement of BT antennas
- Antenna performance meet the spec below:

Description	2.4GHz~2.5GHz	Units
VSWR	≤ 2.0	dB
Average Antenna Gain	≥ -4.5	
Antenna Efficiency	≥ 40	
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

● Mechanical Information

Mechanical Dimension	
Cable Length	/
Description	BT antenna
Material	/
Coaxial Cable	/
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

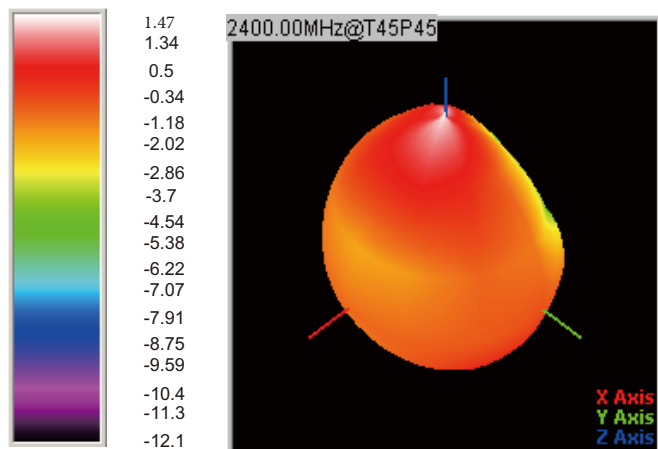
二: VSWR



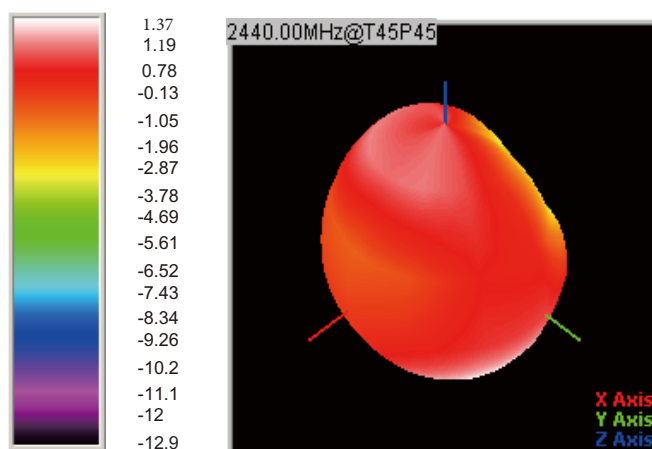
三: Efficiency

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	51.12	-2.91	1.47	-0.68	21.333	29.786	1.47	-9.42	48.17	48.27
2410	59.59	-2.25	2.14	-0.01	24.773	34.817	2.14	-8.7	48.82	48.98
2420	65.16	-1.54	3.17	1.02	28.782	41.373	3.17	-8.02	49.21	49.73
2430	50.73	-2.95	1.78	-0.37	20.786	29.947	1.78	-9.68	47.85	48.18
2440	44.72	-3.5	1.37	-0.78	18.321	26.398	1.37	-10.83	47.45	47.61
2450	44.21	-3.55	1.24	-0.91	18.196	26.01	1.24	-11.39	47.52	47.61
2460	64.86	-1.5	3.33	1.18	29.174	41.686	3.33	-9.96	49.2	49.47
2470	59.6	-2.25	2.34	0.19	24.612	34.984	2.34	-11.18	48.51	48.69
2480	46.95	-3.28	1.25	-0.9	19.383	27.564	1.25	-12.21	47.62	47.62
2490	46.65	-3.31	1.04	-1.11	19.203	27.445	1.04	-11.98	47.76	47.65
2500	65.07	-1.87	2.59	0.44	26.491	38.581	2.59	-9.88	48.93	48.83

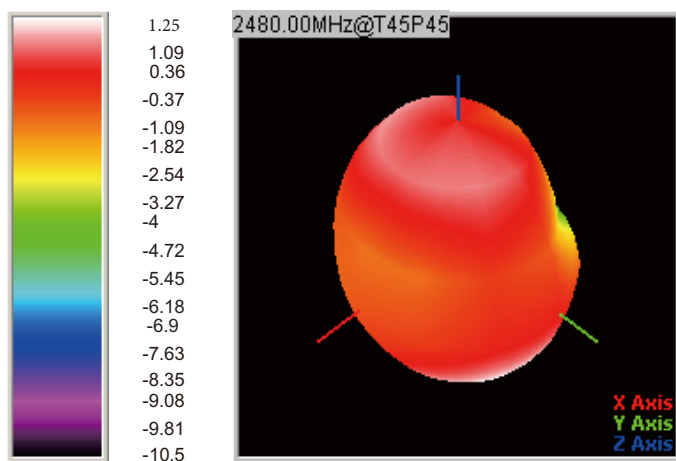
◎ 3D Gain Pattern (2400 MHz)



◎ 3D Gain Pattern (2440 MHz)



◎ 3D Gain Pattern (2480 MHz)



四: structural drawings

