

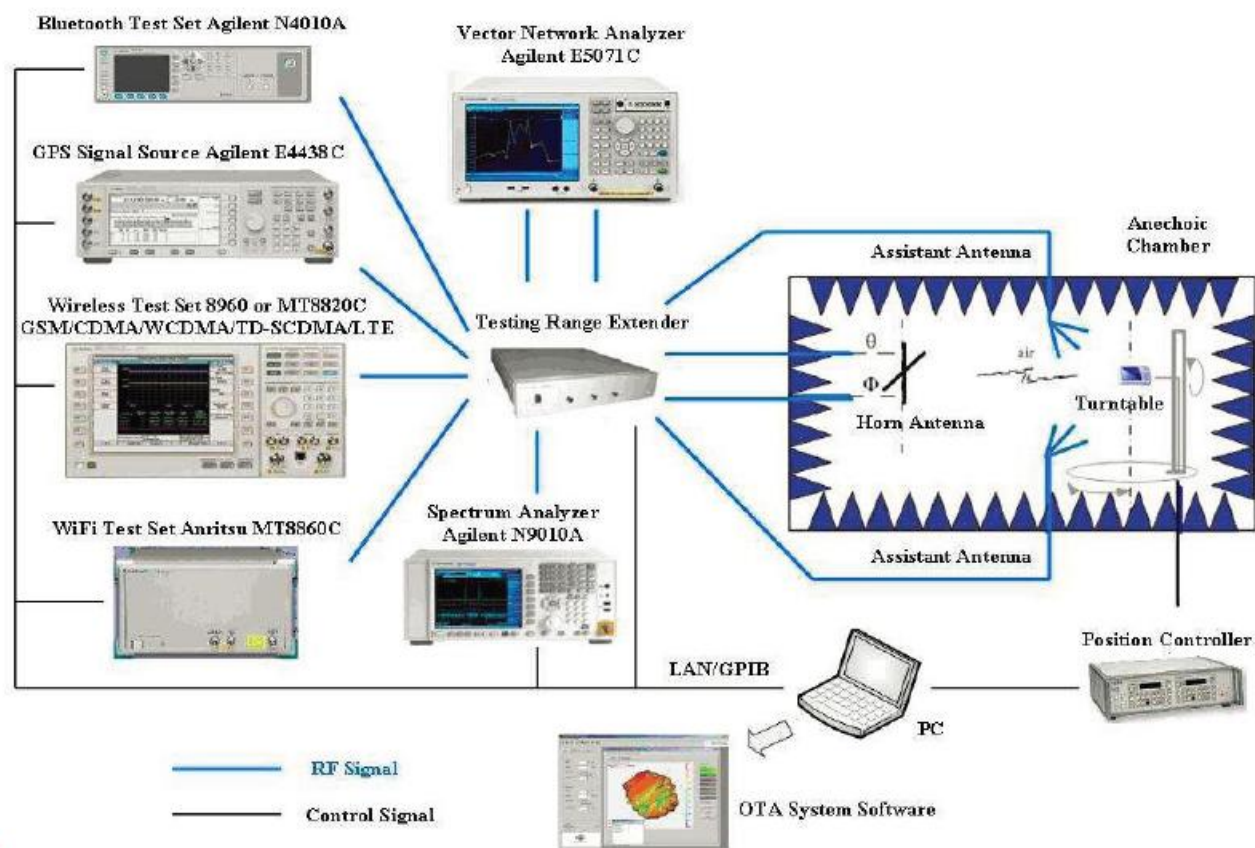
天线规格书

Antenna specification for approval

客户名称 Customer name	Pacific Time Trading(Shenzhen)Limited		
机型 Model	L185		
天线频段 Antenna frequency	2.4GHZ&5GHz		
天线功能 Antenna function	Wifi ANT		
天线材质 Antenna material	FPC	FPC 颜色 FPC color	black
型号 model	SF967V-1B2-A		
料号 Material number	SF967V-1L11G-065-A		
客户料号 Customer Part Number			

Manufacturer: Shenzhen Suo Ward Communication Technology Co., Ltd.
Address: Floor 4, Building 13, Rundongsheng Industrial Zone, Xixiang Street, Bao 'an District, Shenzhen City, China

1:Device Support



2:Specification

(1)Antenna performance

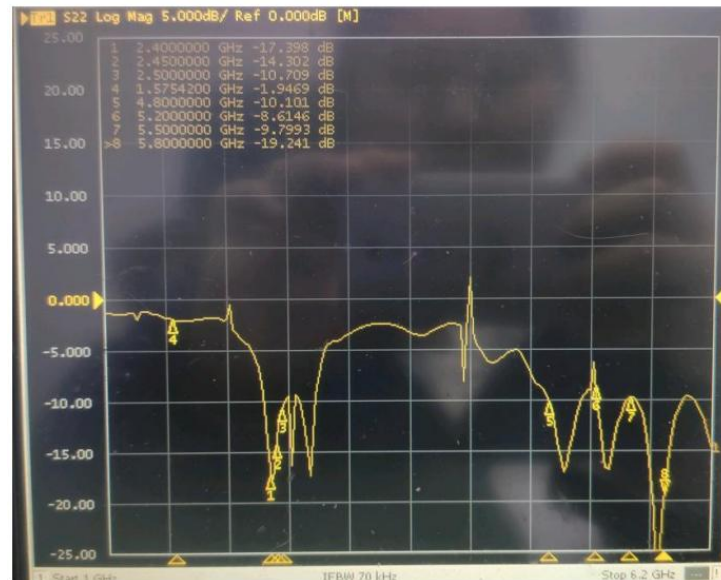
- 1.This approval sheet supports for MID project. FPC antennas include in this project. This report is for the performance of WIFI&BT antenna.
- 2.Antenna shape size: Meet the requirement of MID
- 3.Antenna band: 2.4GHz~5GHz
- 4.Antenna material: Antenna material meet the requirement of MID
- 5.Adhesive performance: Adhesive performance meet the requirement of MID
- 6.Antenna performance meet the spec below:

Description	2.4GHz~5GHz	Units
VSWR	≤ 2.0	
Average Antenna Gain	≥ -4.5	dB
Antenna Efficiency	≥ 40	%
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

(2)Mechanical Information

Mechanical Dimension	
Cable Length	065mm/GRAY
Description	WIFI&BT antenna
Material	FPC
Coaxial Cable	500hm/0. D. 1. 13mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

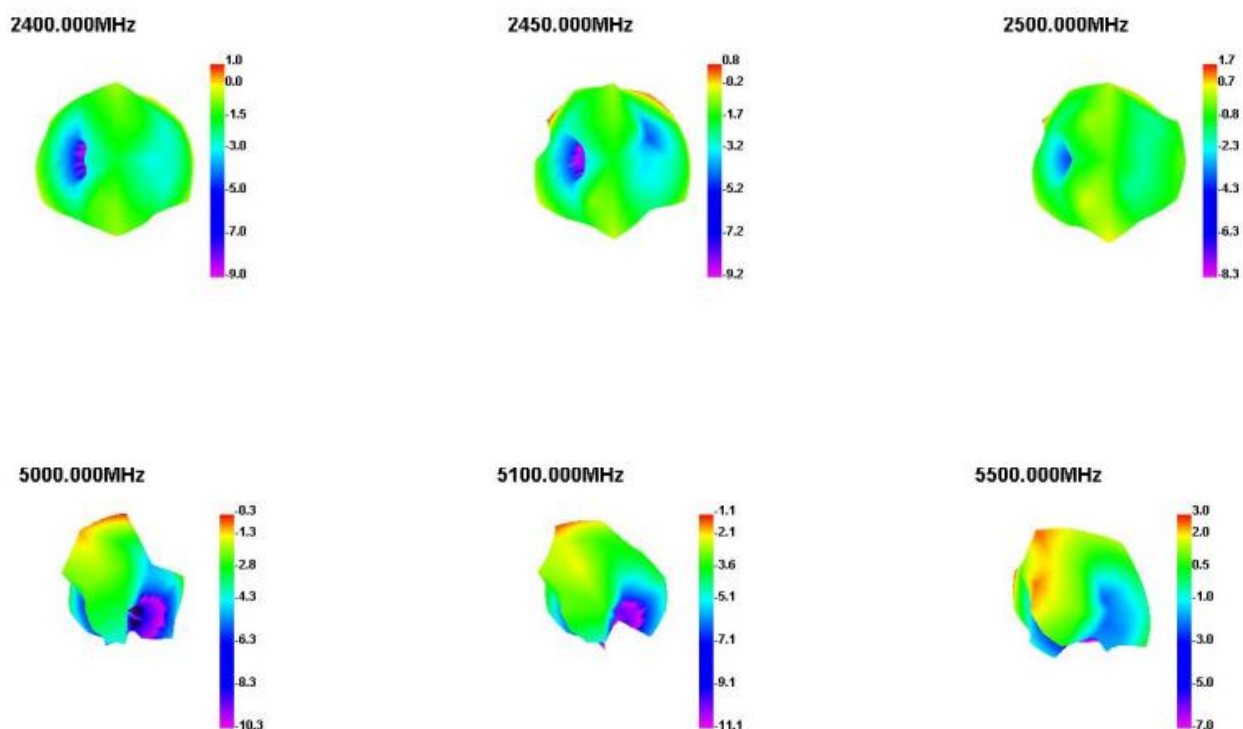
3:Antenna standing wave ratio & Efficiency of antenna (VSWR)



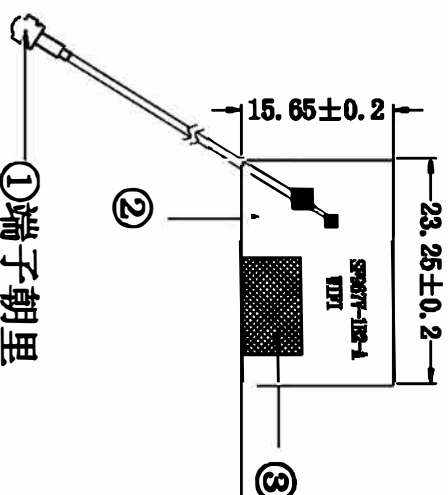
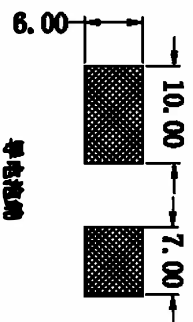
Passive Test For 2.4Gwifi								
Freq	Effi	Effi	Gain	Gain	UHS	DHS	Max	Min
(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)
2400	45.08	-3.46	1.03	-1.12	18.28	26.803	1.03	-17.36
2410	45.21	-3.45	1.08	-1.07	18.488	26.718	1.08	-16.59
2420	45.83	-3.39	0.94	-1.21	18.693	27.132	0.94	-15.3
2430	45.85	-3.39	0.73	-1.42	18.927	26.924	0.73	-14.27
2440	49.08	-3.09	0.7	-1.45	20.467	28.617	0.7	-12.97
2450	51.85	-2.85	0.85	-1.3	22.089	29.765	0.85	-12.87
2460	52.74	-2.78	0.84	-1.31	22.743	29.995	0.84	-13.59
2470	52.85	-2.77	1	-1.15	23.311	29.541	1	-14.16
2480	56.01	-2.52	1.3	-0.85	25.047	30.964	1.3	-14.59
2490	58.76	-2.31	1.75	-0.4	26.83	31.933	1.75	-14.99
2500	57.93	-2.37	1.73	-0.42	26.819	31.106	1.73	-15.4

Passive Test For 5G-WiFi										
Freq	Effi	Effi	Gain	Gain	UHS	DHS	Max	Min	Directivity	Beamwidth
(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)	(dBi)	(3dB)
5000	19.46	-7.11	-0.3	-2.45	9.244	10.214	-0.3	-19.03	6.8	30
5100	18.83	-7.25	-1.07	-3.22	9.068	9.757	-1.07	-19.06	6.18	30
5200	22.27	-6.52	-0.08	-2.23	10.598	11.673	-0.08	-19.51	6.45	30
5300	24.98	-6.02	0.4	-1.75	11.423	13.557	0.4	-23.4	6.42	0
5400	40.95	-3.88	2.25	0.1	19.484	21.464	2.25	-19.88	6.13	0
5500	46.35	-3.34	2.99	0.84	22.679	23.673	2.99	-19.71	6.33	30
5600	51.41	-2.89	3.53	1.38	25.674	25.736	3.53	-21.26	6.42	0
5700	58.36	-2.34	4.1	1.95	27.976	30.379	4.1	-18.18	6.44	30
5800	54.73	-2.62	2.9	0.75	27.348	27.383	2.9	-18.06	5.51	30
5900	53.52	-2.71	3.14	0.99	27.361	26.161	3.14	-21.28	5.86	60
6000	64.68	-1.89	4.78	2.63	36.037	28.64	4.78	-22.67	6.68	60

4:3D pattern



5:Drawing of structure



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1. 打 ϕ 为额定尺寸;
2. 尺寸符合图版要求;
3. 焊点无虚焊、假焊。要求圆滑、饱满。
4. 两分测试通过（出现判定故障）。
5. 矩形尺寸未注公差按照SJ/T 10629 1995 6版，公差值由上下偏差

SWARD										SF967V-1L11G-065-A	
5											
4											
3	导电线圈		灰色	1	10*6*7mm		签名	年月日	量产	签名	年月日
2	FPC		黑色	1	SF967V-1B2-A	RD	ZZY	2022.04.01	QC		
1	同轴电缆	1代端子	灰色	1	φ=1.13mm	RF					
序号	名称	材料	颜色	数量	描述	审核			批准		
阶段标记										比例	
1										1 : 1	
共 1 张										第 1 张	
											