

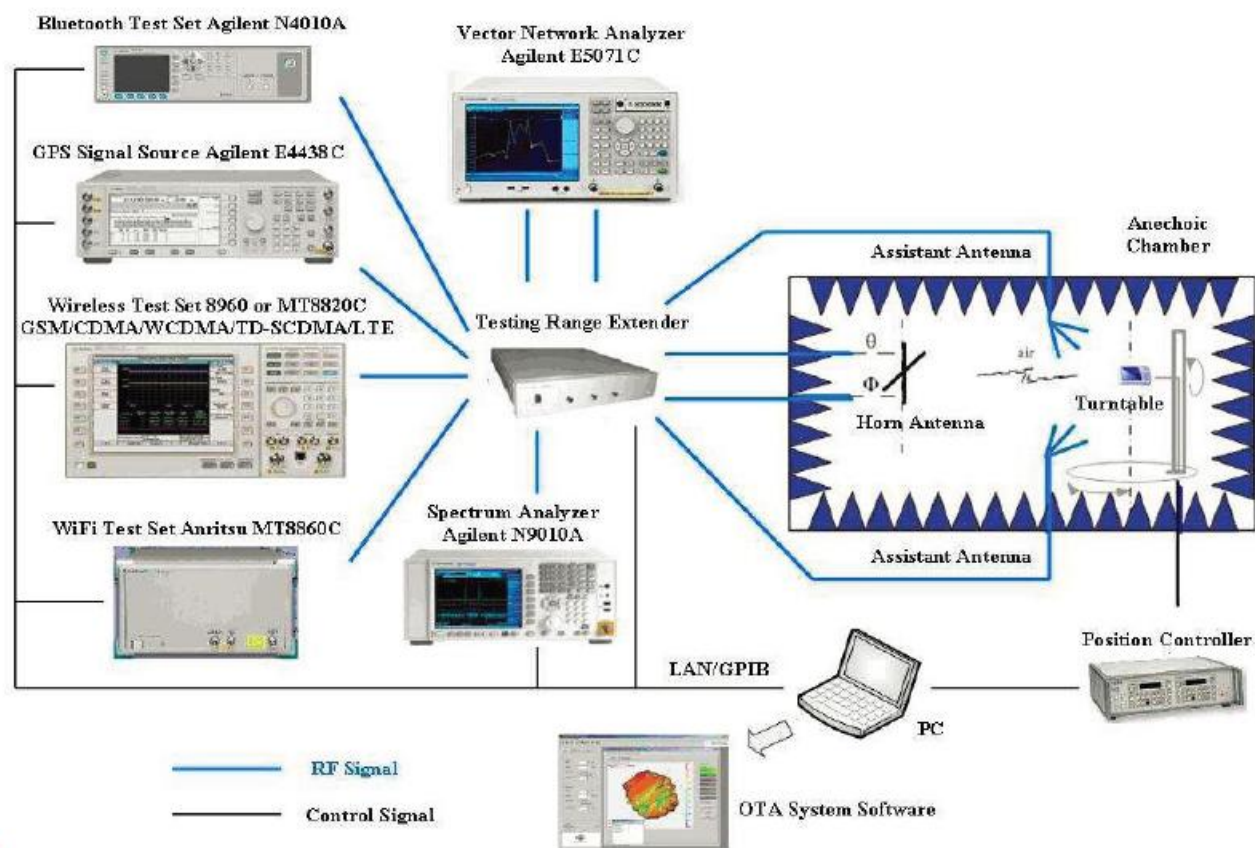
天线规格书

Antenna specification for approval

客户名称 Customer name	Bright color		
机型 Model	XYS60 (2.85-inch recorder - 6031X module)		
天线频段 Antenna frequency	2. 4GHZ&5GHz		
天线功能 Antenna function			
天线材质 Antenna material	FPC	FPC 颜色 FPC color	black
型号 model	SF906A-1B2-A		
料号 Material number	SF906A-1L11G-050-A		
客户料号 Customer Part Number			
索沃德承认签章 Ward accepted the signature		客户承认签章 Client acknowledges signature	
结构 structure		采购 Purchase	
文控 Document control		结构 structure	
射频 radio frequency		工程 engineering	
审核 To examine 承辦人 Responsible		品质 QC 审核 To examine	
日期 date 2025. 03. 28	盖章区 Seal area	日期 date 2025. 03. 28	盖章区 Seal area

number	Certification Number	Material type	发证日期	remark
1	SHAEC24025471005	tinned wire	2024-11-25	year
2	SHAEC24027284565	halogen	2024-12-06	year
3	SHAEC24027480902		2024-12-06	year
4	SHAEC24029171725	FEP sheath	2024-12-26	year
5	SHAEC24027284563	FEP insulation	2024-12-05	year
6	SZXEC24002306404	solder wire	2024-07-24	year
7	SZXEC24002306408	tin bar	2024-07-24	year
8	ETR24600712	printing ink	2024-06-14	year
9	A2240123200102001E	base material	2024-03-20	year
10	CANEC24028865417	EVA foam	2025-01-03	year
11	A2240439752101001	conductive fabric	2024-07-29	year
12	SZXEC24002471802	gold plate	2024-08-08	year

1: Equipment Support & Testable Antenna Types



II: Overview

(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:

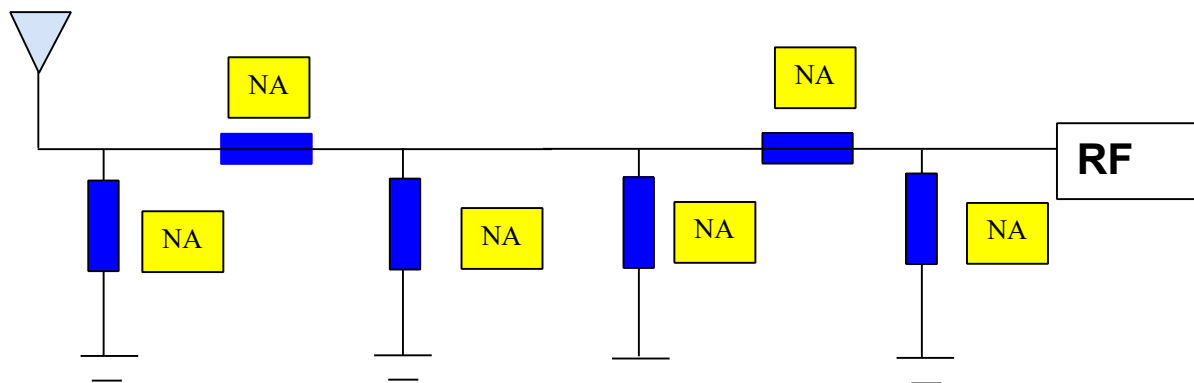
Description	2.4GHz~5GHz	Units
VSWR	≤ 2.0	
Average Antenna Gain	≥ -4.5	dB
Feed Impedance	50 ohms	
Operating Temperature	-40 to +85 deg C	
Polarization / Azimuth	Linear / Omni-directional	

(2)Mechanical Information

Mechanical Dimension	
Cable Length	050mm/GRAY
Description	WIFI&BT antenna
Material	FPC
Coaxial Cable	50Ω/O. D. 1.13mm
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

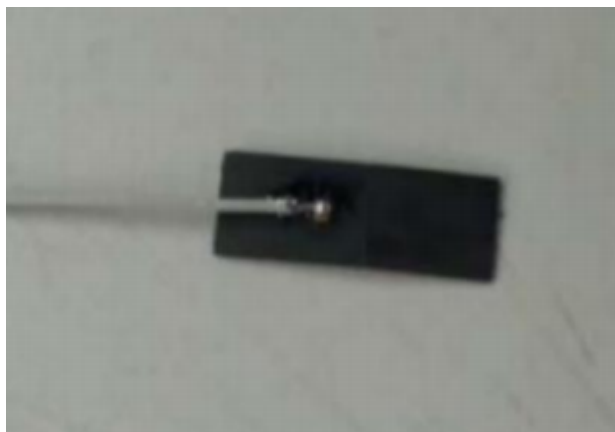
3: Match circuit diagrams & machine pictures & antenna pictures

(1) match circuit

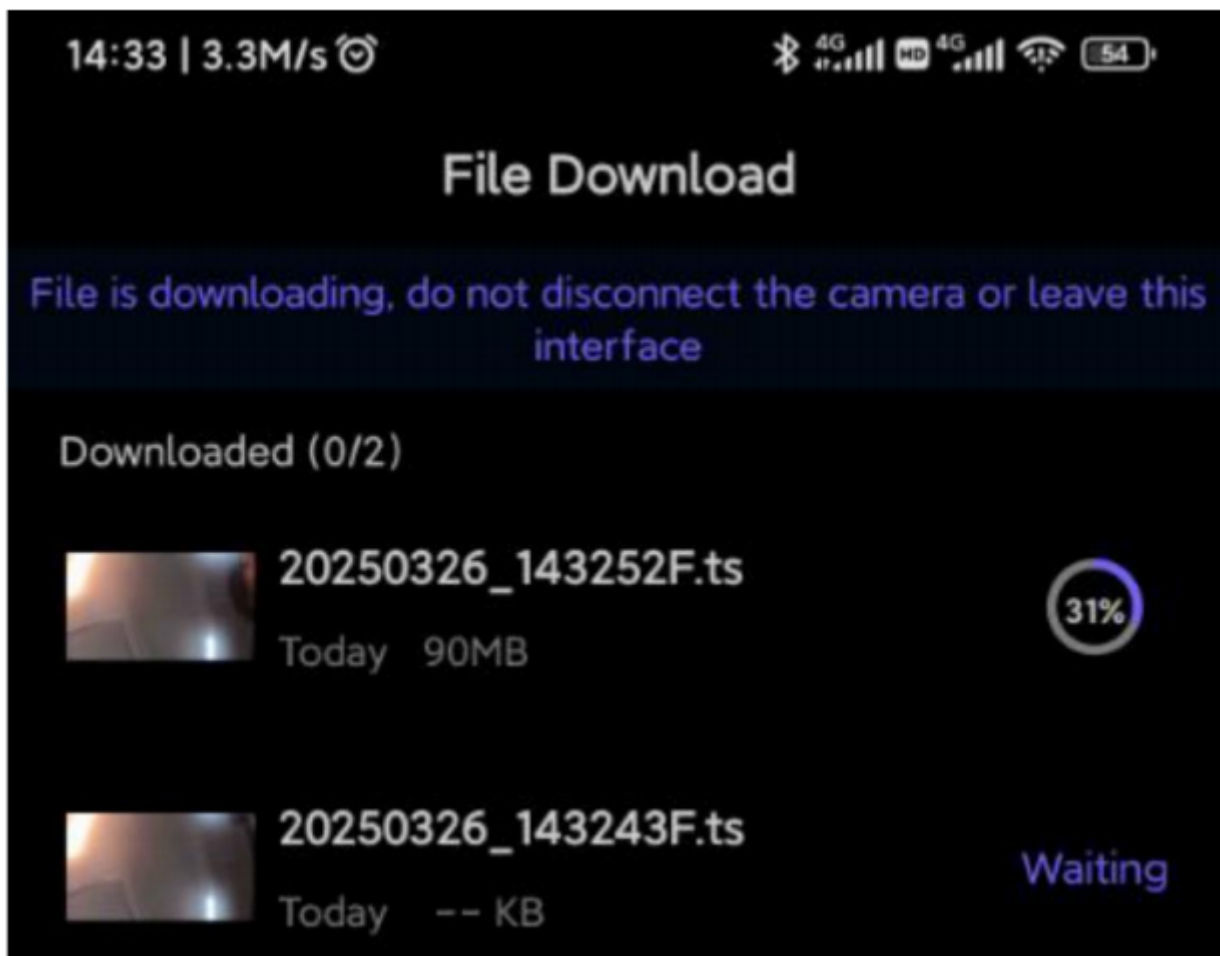


(2) Machine pictures & Antenna pictures

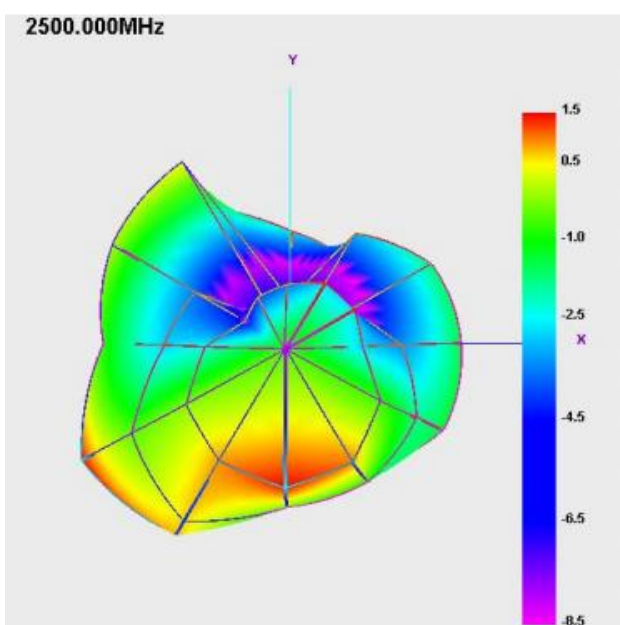
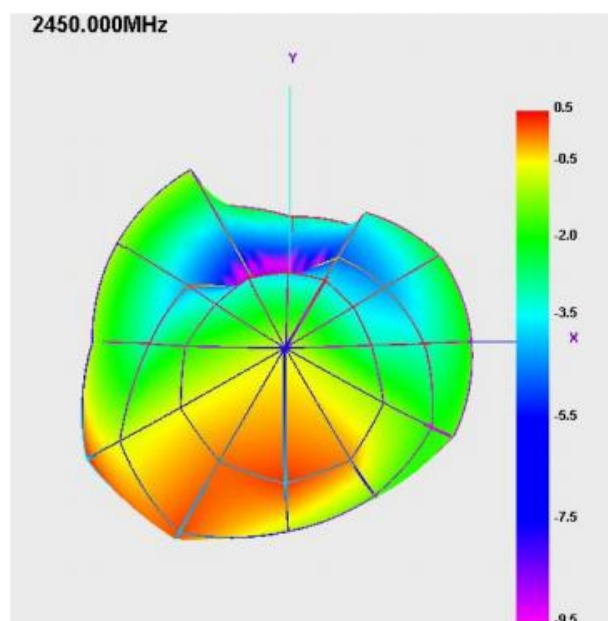
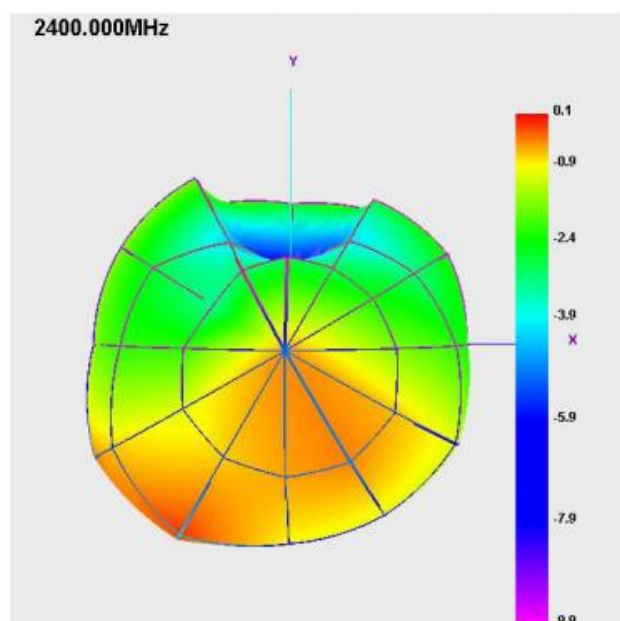


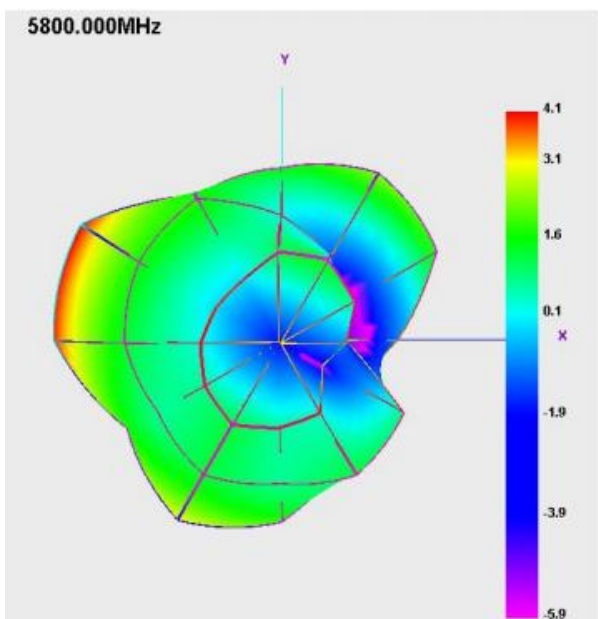
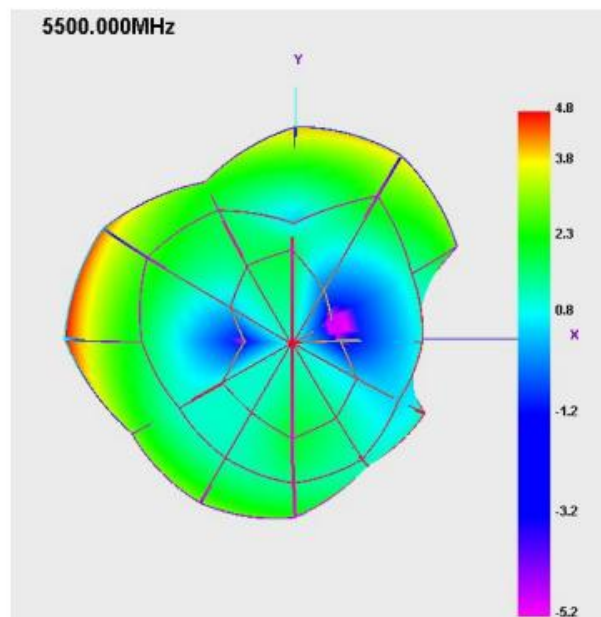
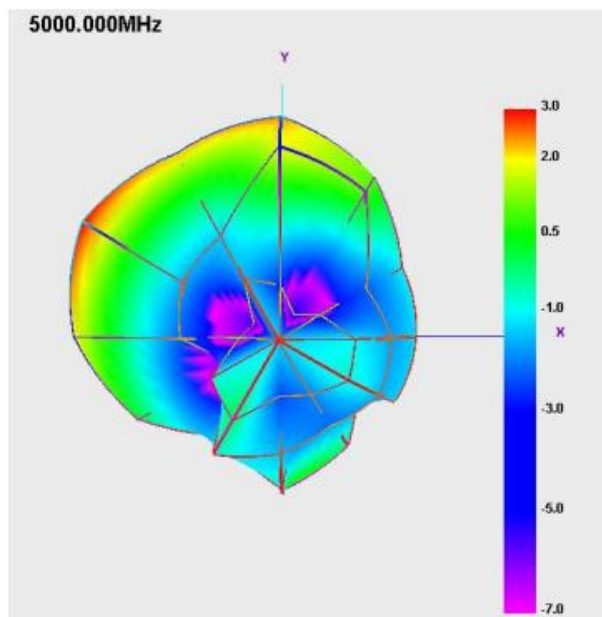


Passive Test For 2.4G				Passive Test For 5G-WIFI			
Freq	Effi	Effi	Gain	Freq	Effi	Effi	Gain
(MHz)	(%)	(dB)	(dBi)	(MHz)	(%)	(dB)	(dBi)
2400	41.79	-3.79	0.07	5000	55.78	-2.54	3.03
2410	39.78	-4	-0.26	5100	53.35	-2.73	2.68
2420	46.58	-3.32	0.46	5200	53.84	-2.69	3.14
2430	50.54	-2.96	0.86	5300	52.9	-2.77	2.58
2440	53.95	-2.68	1.08	5400	68.83	-1.62	4.52
2450	44.57	-3.51	0.5	5500	63.71	-1.96	4.79
2460	44.21	-3.54	0.6	5600	60.89	-2.15	4.32
2470	37.2	-4.29	-0.12	5700	61.31	-2.12	3.92
2480	40.29	-3.95	0.17	5800	60.77	-2.16	4.08
2490	43.7	-3.6	0.64	5900	51.85	-2.85	3.38
2500	52.2	-2.82	1.47	6000	53.26	-2.74	3.62



6:3D pattern

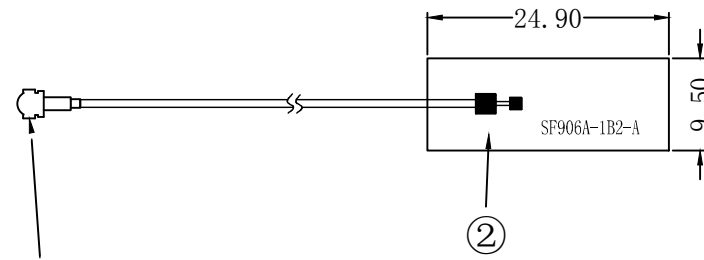
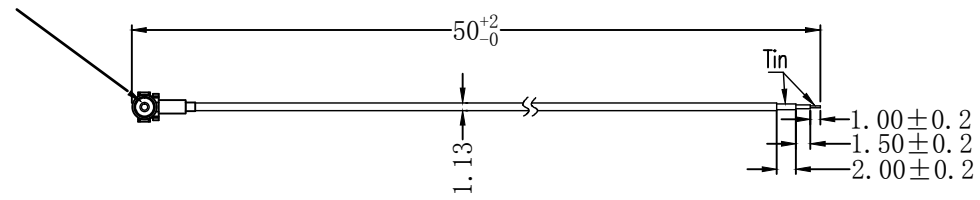




7: Structural Drawings

unit:mm

1st generation terminal



①The terminals are facing inward.