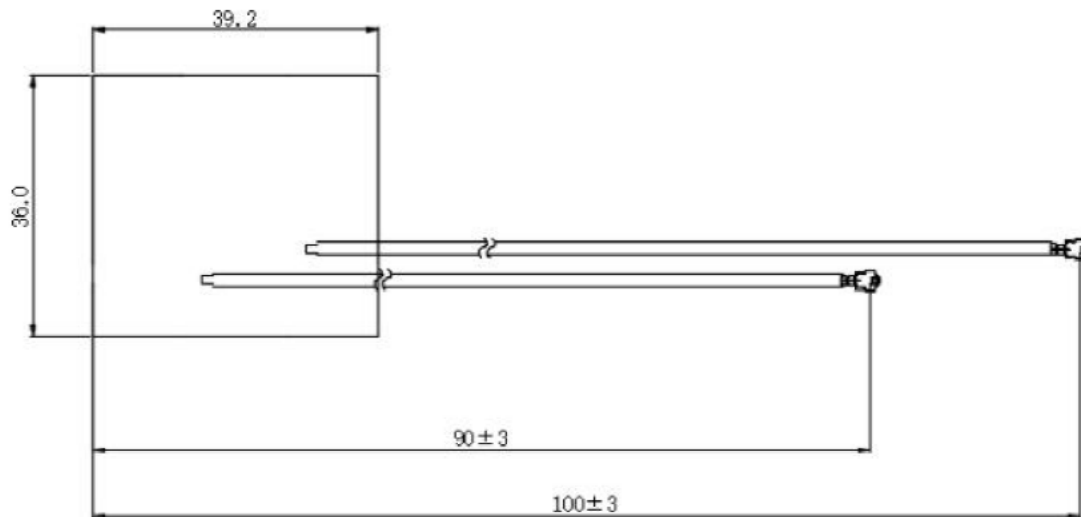


Antenna Specification

1. Antenna Describe

Antenna Manufacturer	Shenzhen Sonoff Technologies Co.,Ltd.
Antenna Address	3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China
Antenna Model	JF8941
Antenna Type	FPC Antenna
Antenna 1 Gain	2.4G: 3.98dBi, 5G U-NII-1: 4.47dBi, 5G U-NII-3: 4.60dBi
Antenna 2 Gain	2.4G: 3.47dBi, 5G U-NII-1: 4.94dBi, 5G U-NII-3: 4.08dBi
Frequency Rang	2400-2500MHz, 5150-5250MHz, 5725-5850MHz
VSWR	≤ 2
Input Impedance	50 Ω

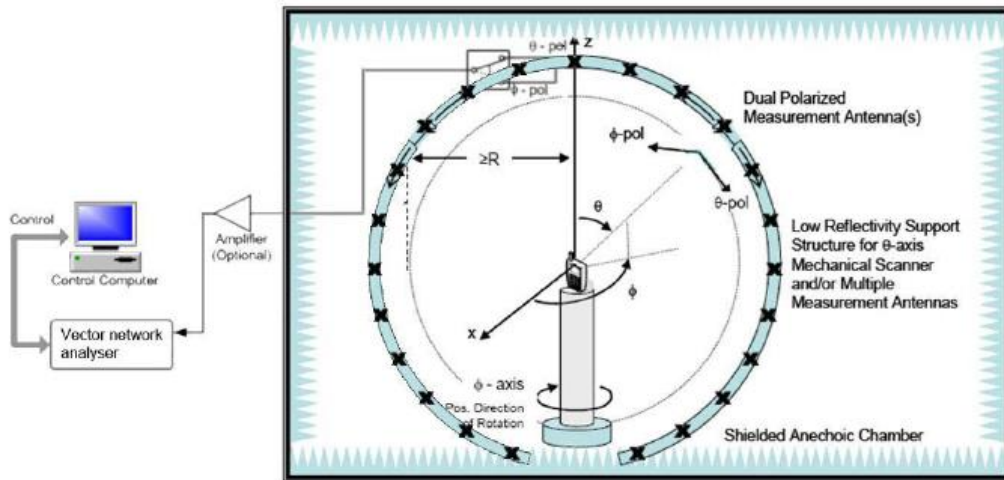
2. External View Drawing



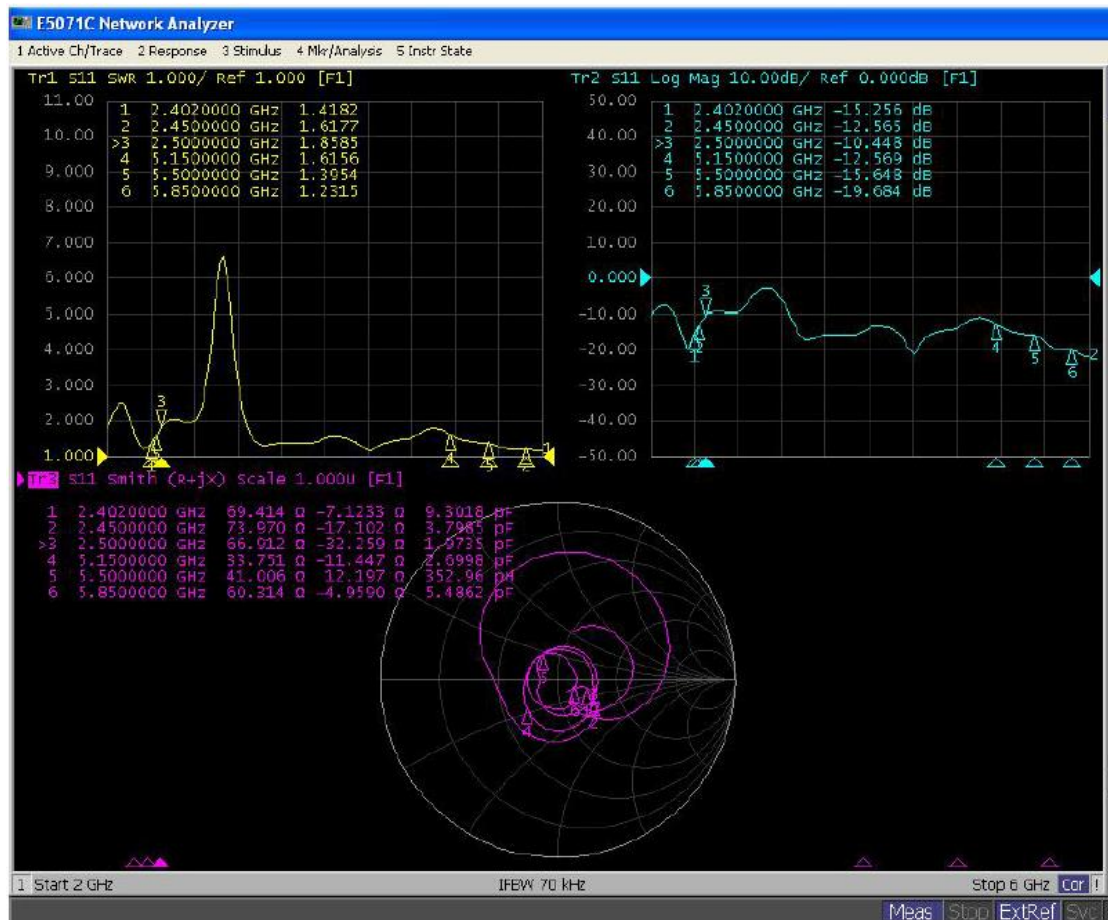
Unit: mm

3. Measurement Result

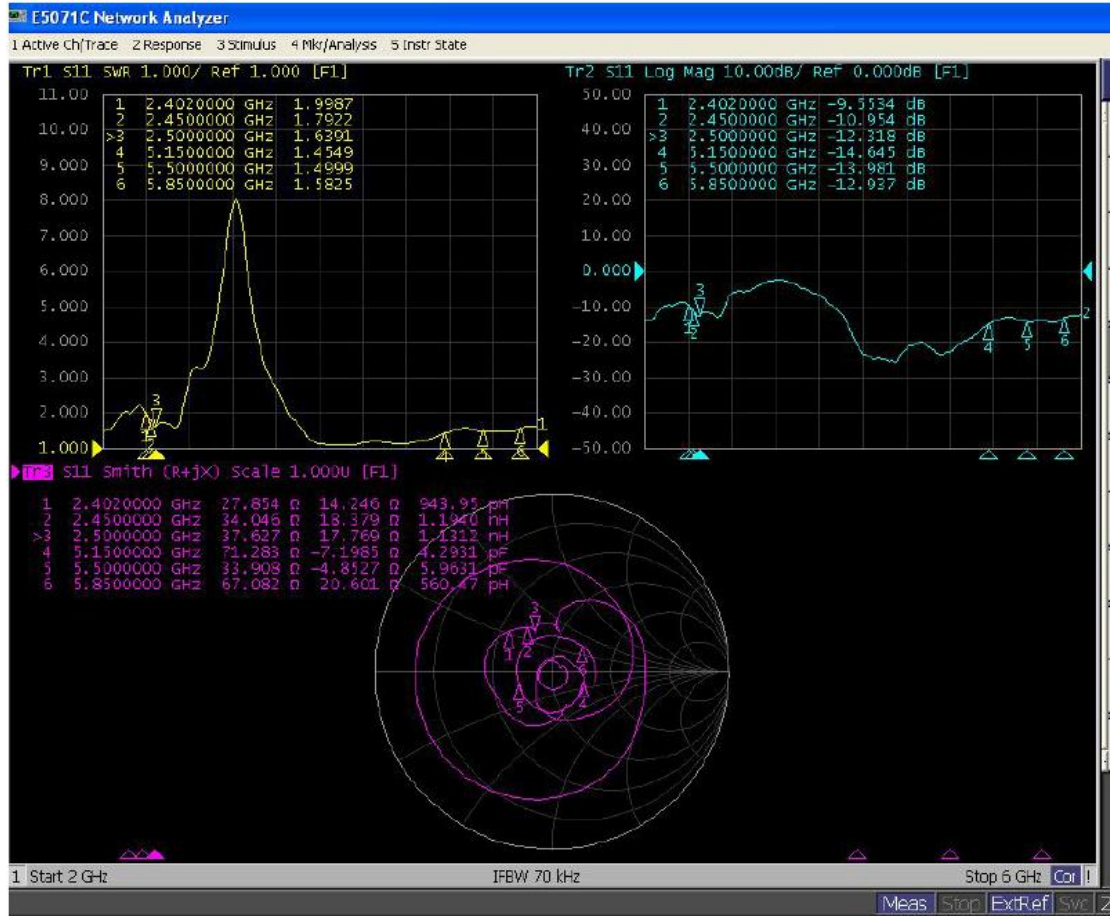
3.1 Test Setup



3.2 VSWR and Return Loss



Antenna 1



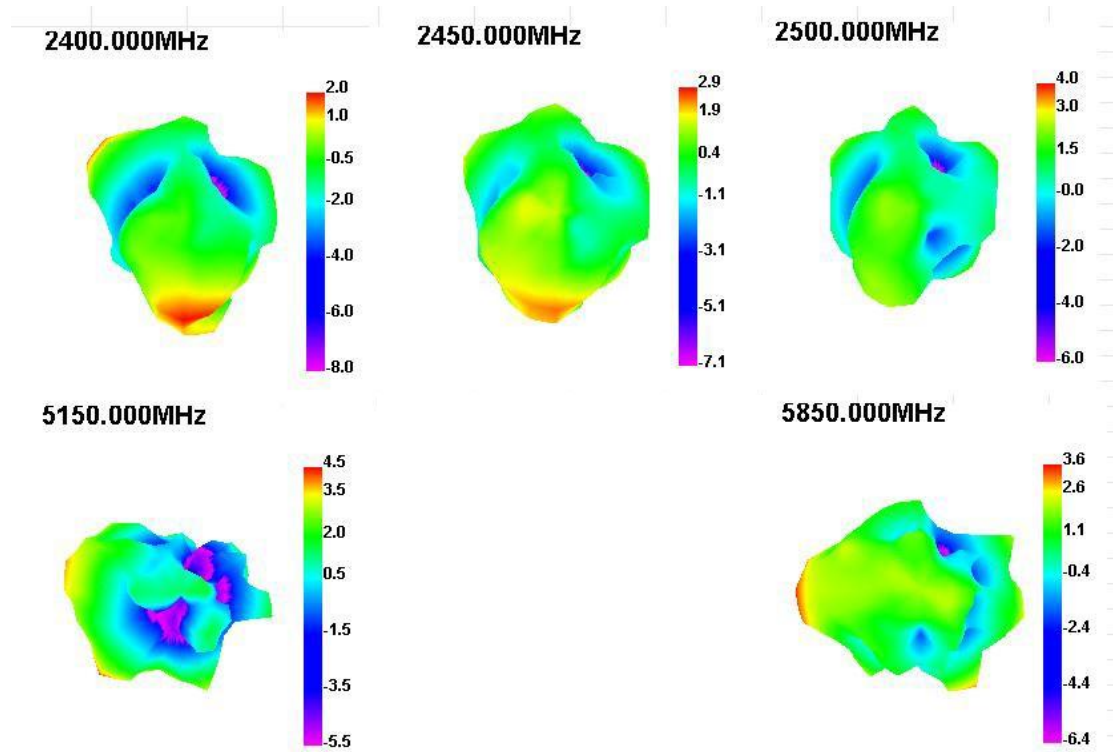
Antenna 2

3.3 Antenna test data

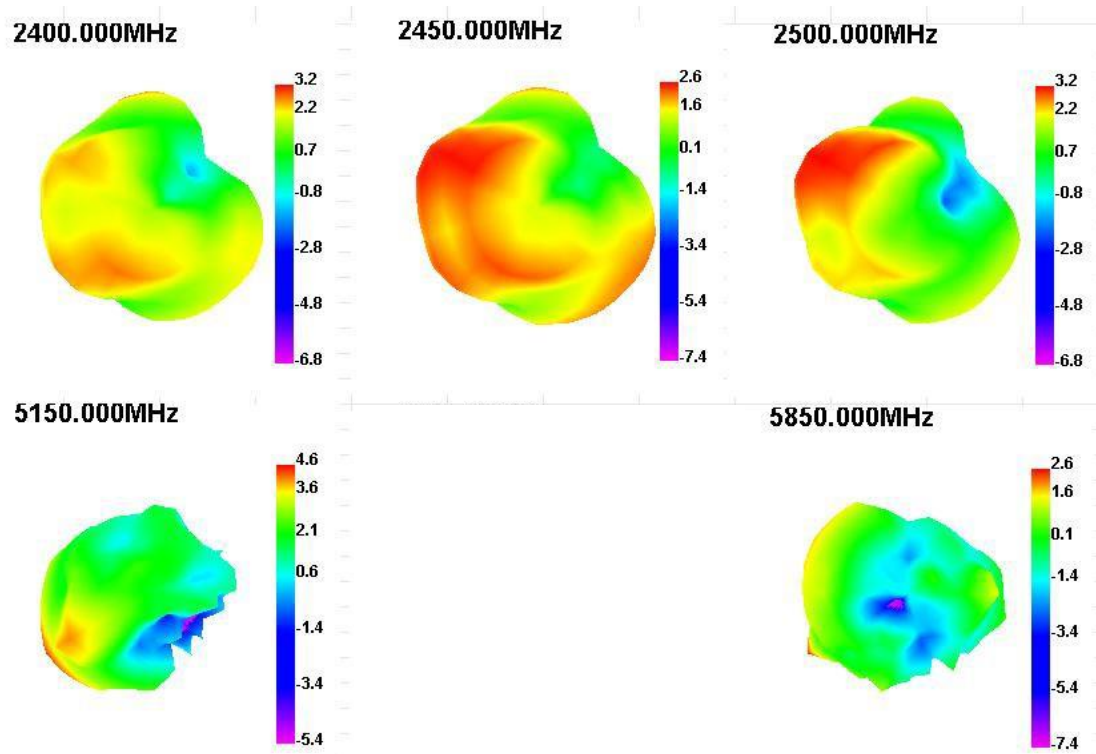
Antenna No.	Frequency (MHz)	Efficiency (%)	Peak Gain (dBi)
Antenna 1	2400	56.83	2.03
	2410	67.94	2.71
	2420	62.06	2.13
	2430	61.43	2.65
	2440	64.18	2.27
	2450	62.33	2.91
	2460	61.17	3.41
	2470	62.69	3.48
	2480	63.38	3.26
	2490	70.09	3.98
	2500	68.08	3.98
	5150	72.27	4.47
	5200	71.01	3.93
	5250	70.21	3.48
	5700	74.24	4.00
	5750	74.94	4.34
	5800	76.93	4.60
	5850	62.95	3.61
Antenna 2	2400	64.26	3.21
	2410	63.79	3.06
	2420	62.79	3.07
	2430	64.17	2.48
	2440	66.90	2.56
	2450	63.93	2.64
	2460	52.36	3.47
	2470	63.05	3.02
	2480	65.44	2.98
	2490	72.10	2.78
	2500	69.68	3.21
	5150	60.63	4.55
	5200	67.14	4.94
	5250	69.71	4.33
	5700	61.44	3.47
	5750	64.74	3.83
	5800	67.45	4.08
	5850	52.30	2.62

3.4 Antenna test diagram

3D Pattern

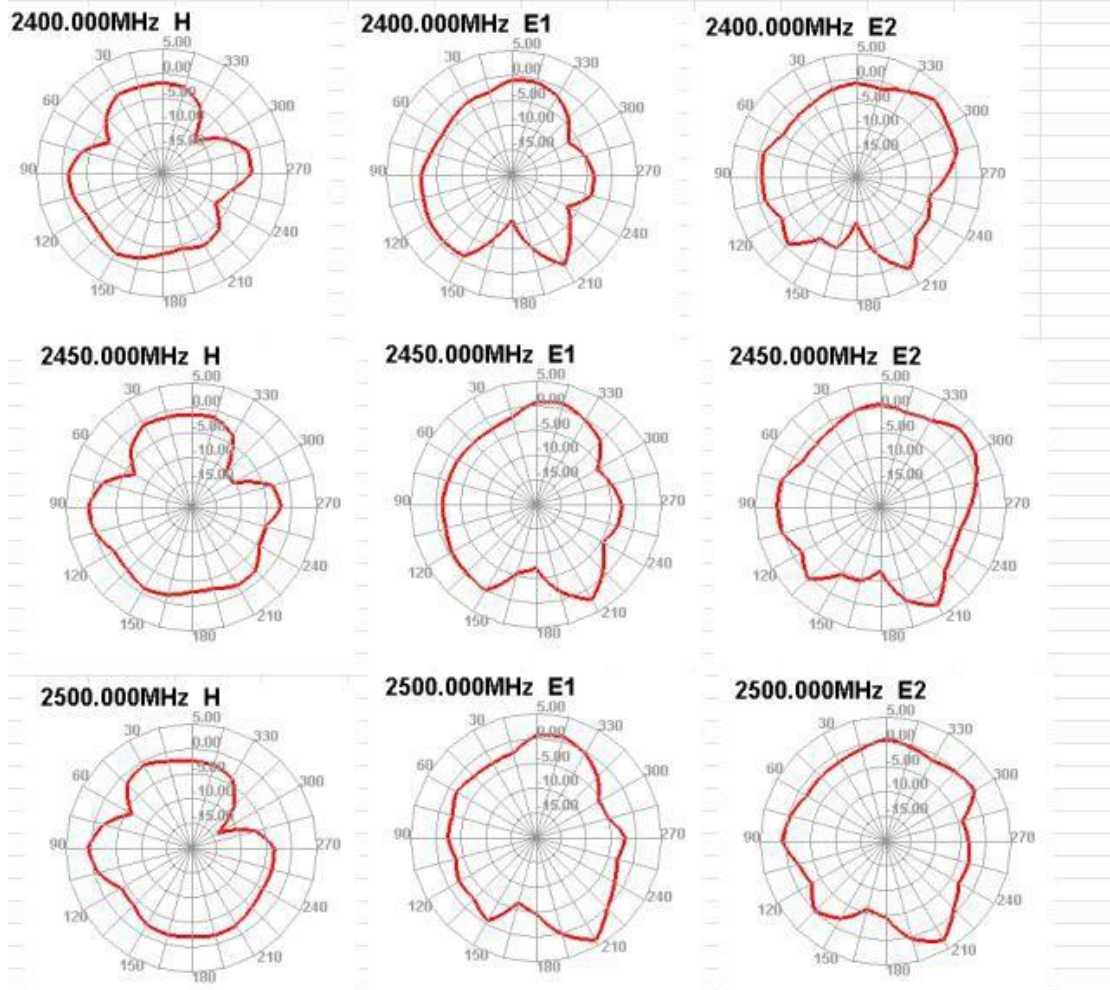


Antenna 1



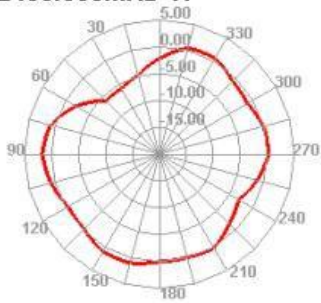
Antenna 2

2D Pattern

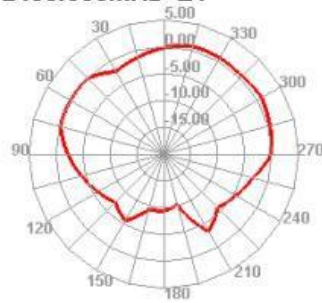


Antenna 1

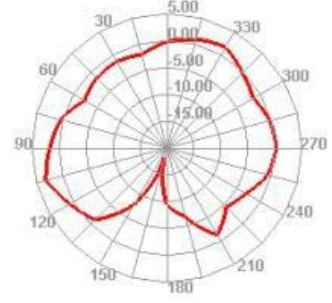
2400.000MHz H



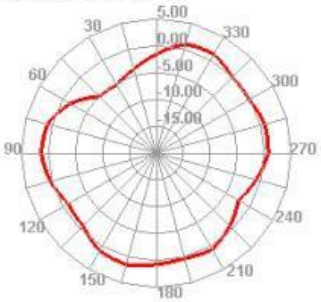
2400.000MHz E1



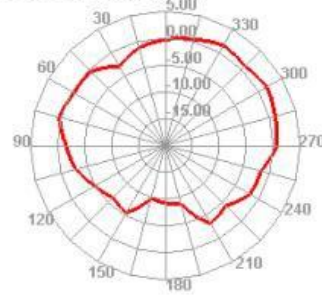
2400.000MHz E2



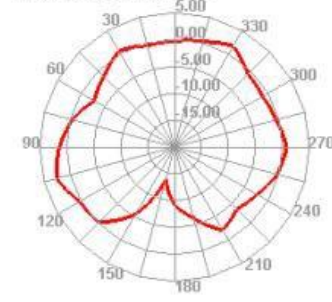
2450.000MHz H



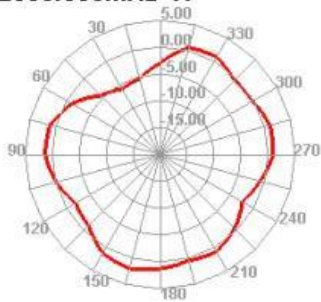
2450.000MHz E1



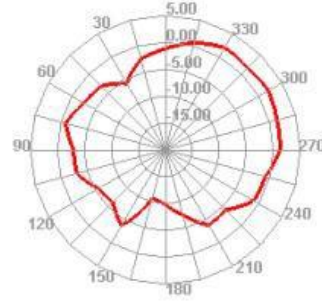
2450.000MHz E2



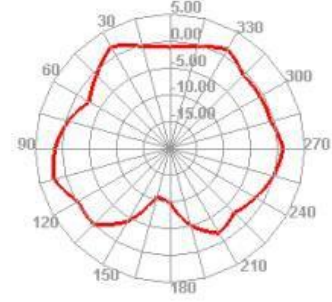
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



Antenna 2