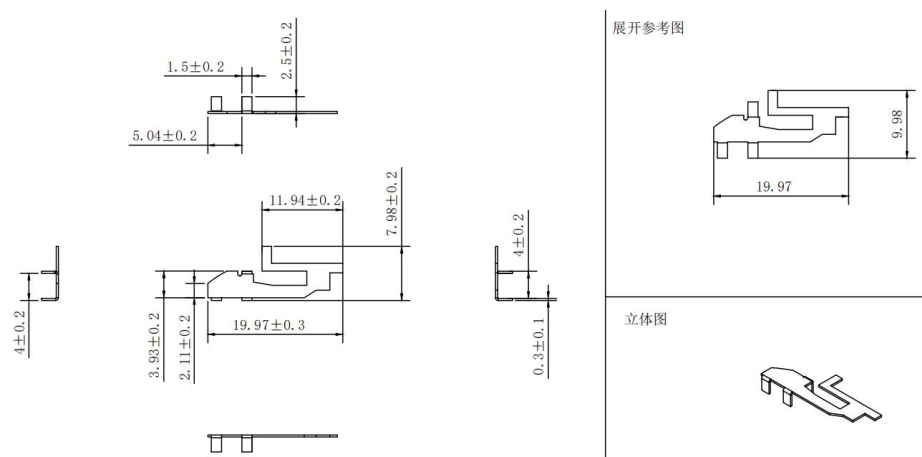


## 1. Antenna Information

Product Model	寒露 Hanlu
Antenna Model	寒露-WiFi Hanlu-WiFi
Antenna Type	PIFA
Manufacturer	Shenzhen Be-Comfortable Technology Co. Ltd

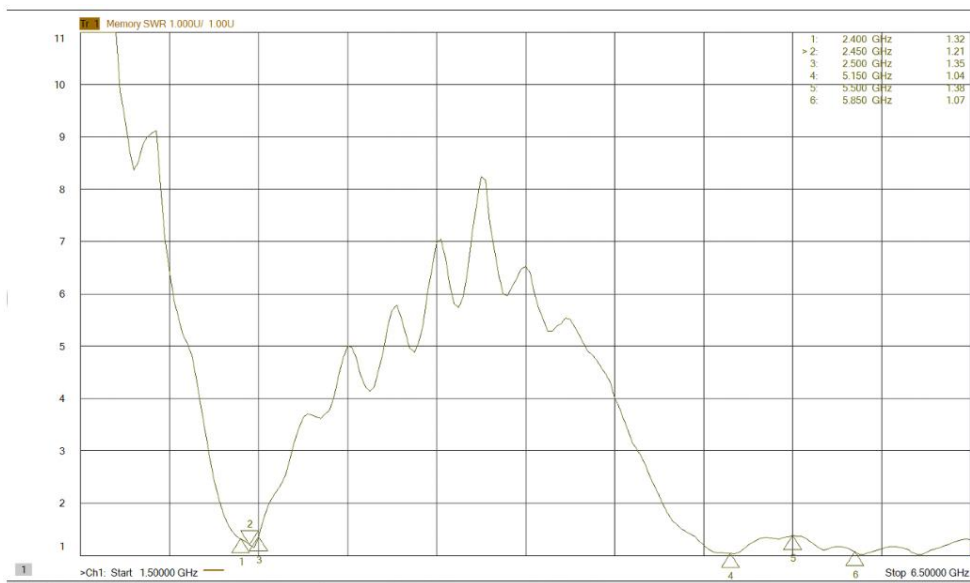
## 2. Antenna Picture



## 3. Electrical Specification

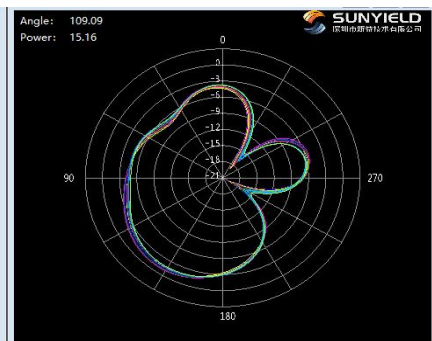
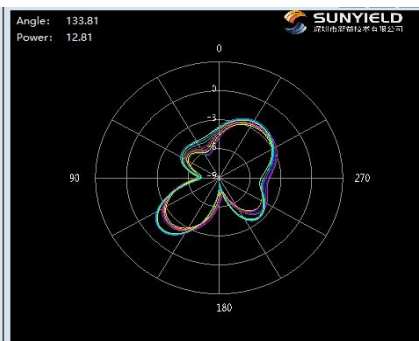
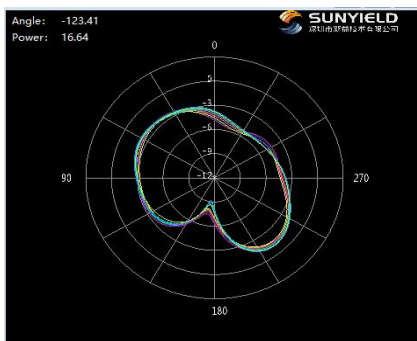
Frequency Range	2.4G: 2400 - 2500 MHz 5G: 5150 - 5850 MHz
Bandwidth	2.4G: 100 MHz 5G: 700MHz
Input Impedence	50 $\Omega$
S11	$\leq -10$ dB
Peak Gain	2.4G: 0 dBi 5G: 0.5 dBi

## 4. Antenna S11

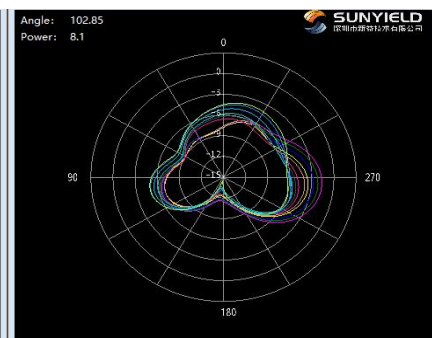
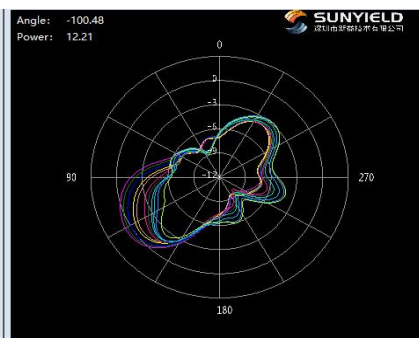
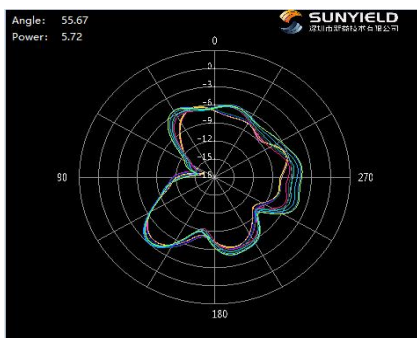


## 5. Radiation Pattern

### 2.4G



### 5G



## 6. Test Results

### 2.4G

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	2400	-0.3	-2.4	57.1
2	2410	-0.5	-2.4	57.1
3	2420	-1.1	-2.5	55.8
4	2430	-1.0	-2.6	55.3
5	2440	-1.1	-2.6	54.4
6	2450	-0.5	-2.5	56.1
7	2460	0.0	-2.4	57.5
8	2470	-0.4	-2.4	57.3
9	2480	-1.0	-2.4	56.9
10	2490	-1.2	-2.6	54.9
11	2500	-1.3	-2.6	54.8

### 5G

Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency (%)
1	5150	0.5	-2.6	55.4
2	5200	0.5	-2.6	55.8
3	5250	0.1	-2.7	54.2
4	5300	0.4	-2.6	55.0
5	5350	-0.8	-2.8	52.0
6	5400	-0.6	-2.9	51.8
7	5450	-0.7	-2.9	51.2
8	5500	-0.9	-3.0	50.1
9	5550	-0.8	-2.9	51.8
10	5600	-0.8	-2.8	52.1
11	5650	-1.2	-2.8	52.3
12	5700	-1.2	-2.8	52.5
13	5750	0.1	-2.7	53.1
14	5800	0.2	-2.8	53.1
15	5850	0.2	-2.7	54.3