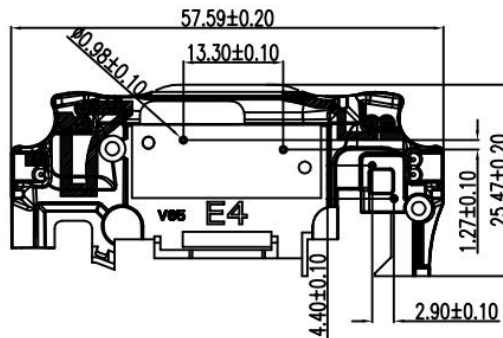


3 in-1 antenna specification

General information

Manufacturer	Shenzhen be-comfortable Technology Co. Ltd.
Address	No.1606, Build C6,HengFeng industrial city, xixiang street, baoan district, Shenzhen.
Model Name	T1621-GPS&WIFI&BT ANT

Antenna Appearance



Technical Specifications

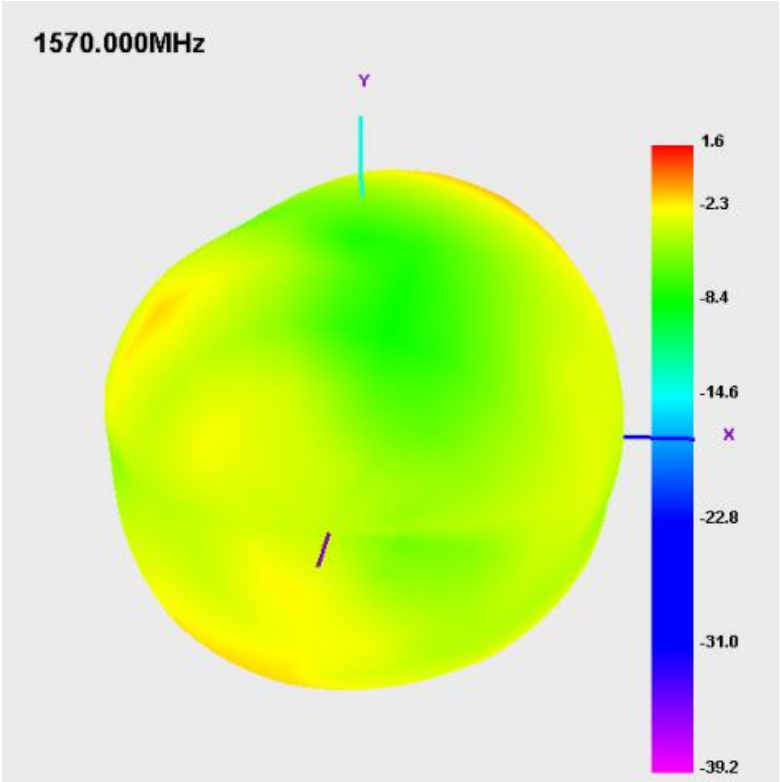
Frequency Range	1575.42MHZ+2400-2500MHZ~5150-5850MHZ
Antenna Type	PIFA
Dimensions	57.59*25.47mm
Impedance	50 ohm
Maximum Gain	3dbi
VSWR	≤ 3

Efficiency and gain

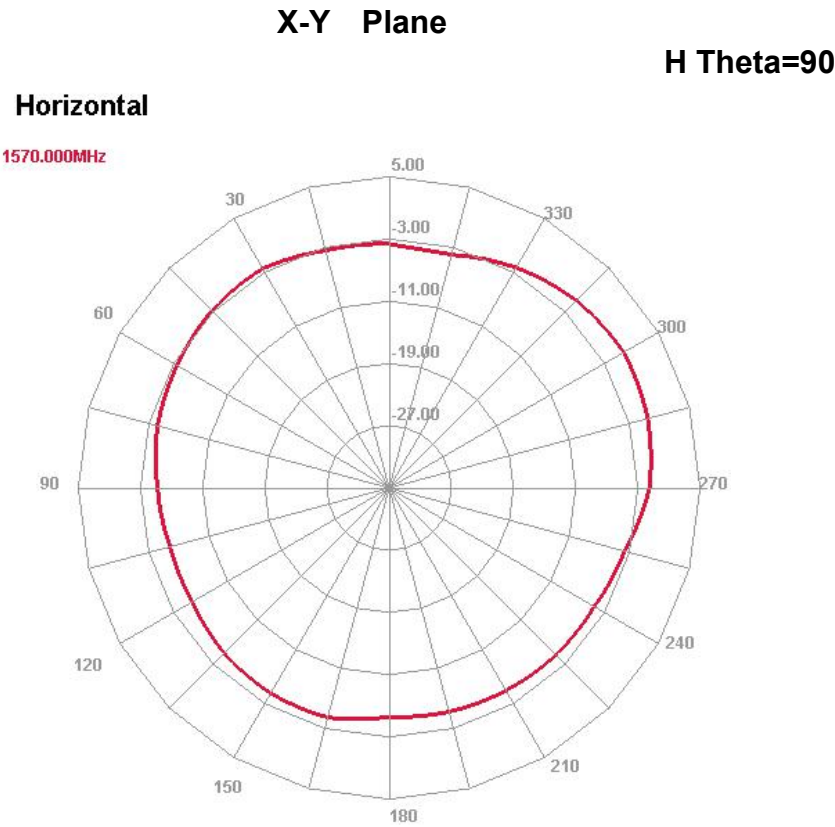
Frequency (MHz)	Gain (dB)	Efficiency (%)
1540	0.59	35.39
1550	0.82	37.92
1560	1.37	39.02
1570	1.69	41.75
1580	1.55	42.38
1590	1.25	40.14
1600	1.29	40.19

Frequency (MHz)	Gain (dB)	Efficiency (%)	Frequency (MHz)	Gain (dB)	Efficiency (%)
2400	1.82	43.72	5100	2.57	45.72
2410	2.14	45.79	5200	2.65	45.52
2420	2.26	46.68	5300	2.89	42.63
2430	2.29	48.88	5400	2.82	45.5
2440	2.41	49.15	5500	2.85	49.42
2450	2.65	50.41	5600	2.59	49.63
2460	2.29	50.29	5700	2.43	50.25
2470	2.28	50.53	5800	2.29	47.14
2480	2.02	50.18	5900	1.87	45.44
2490	1.86	48.76			
2500	1.79	46.49			

Free space 3D radiation pattern



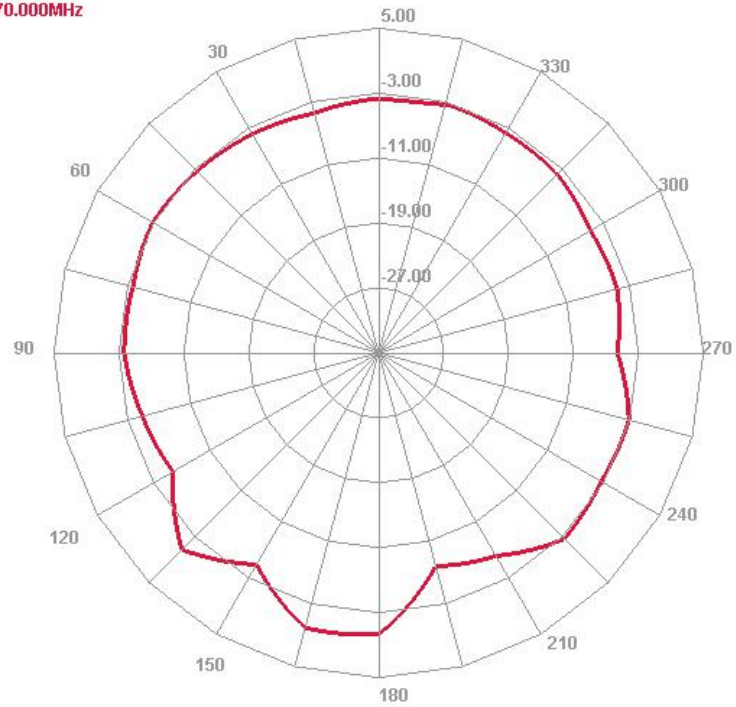
Free space 2D radiation pattern



X-Z Plane
V Phi=0

E1 Face

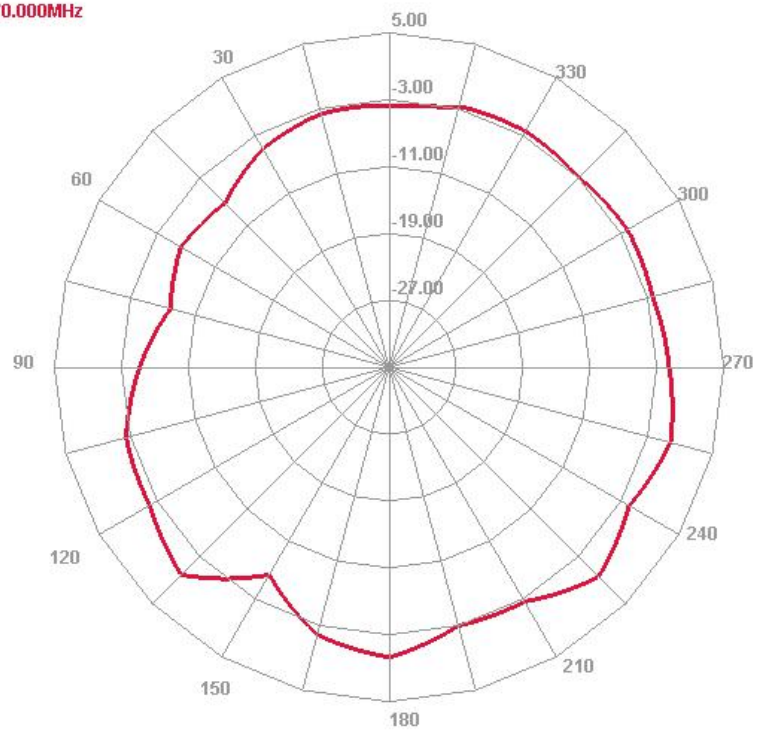
1570.000MHz

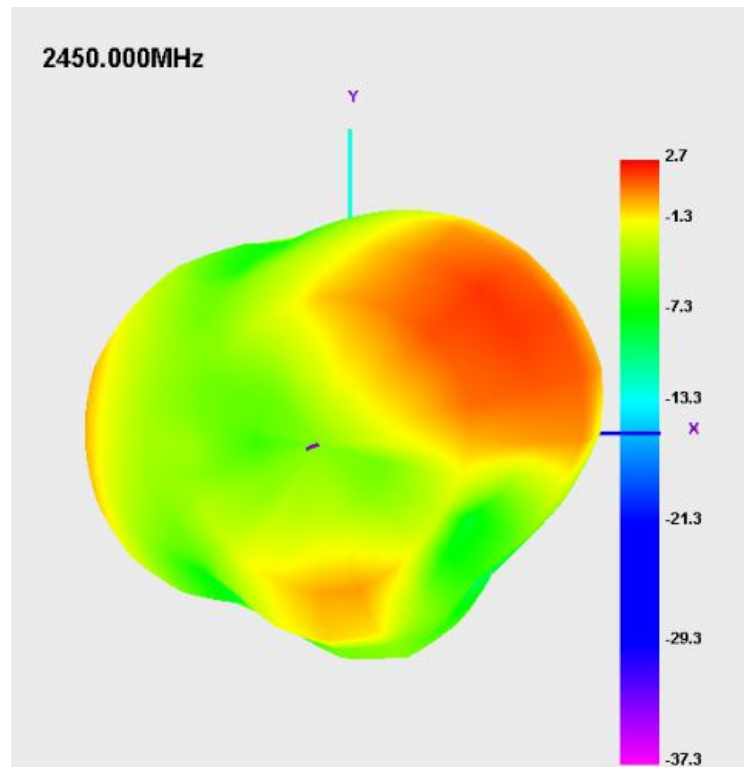


Y-Z Plane
V Phi=90

E2 Face

1570.000MHz

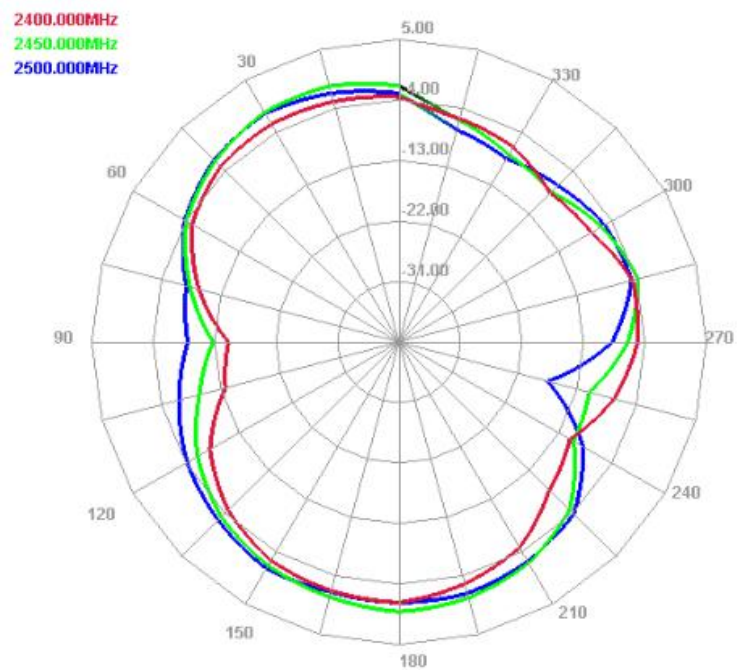




X-Y Plane

H Theta=90

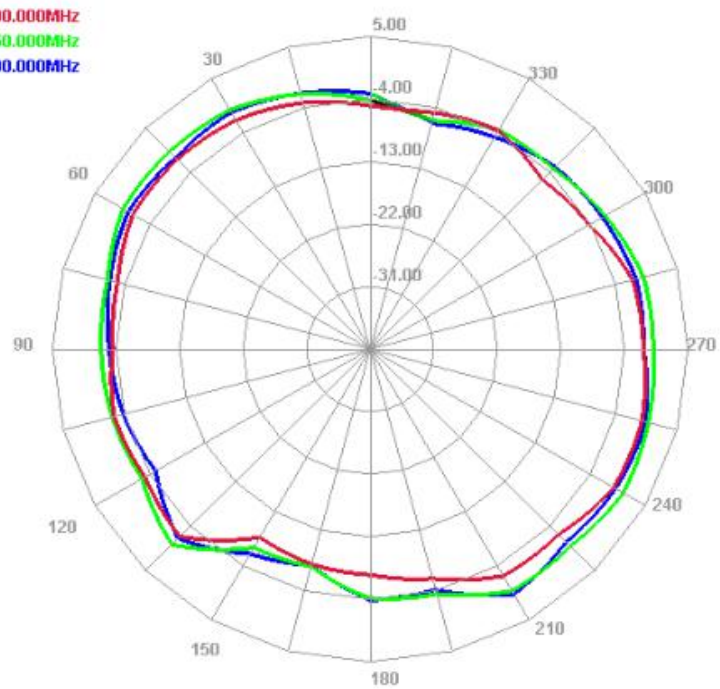
Horizontal



X-Z Plane V Phi=0

E1 Face

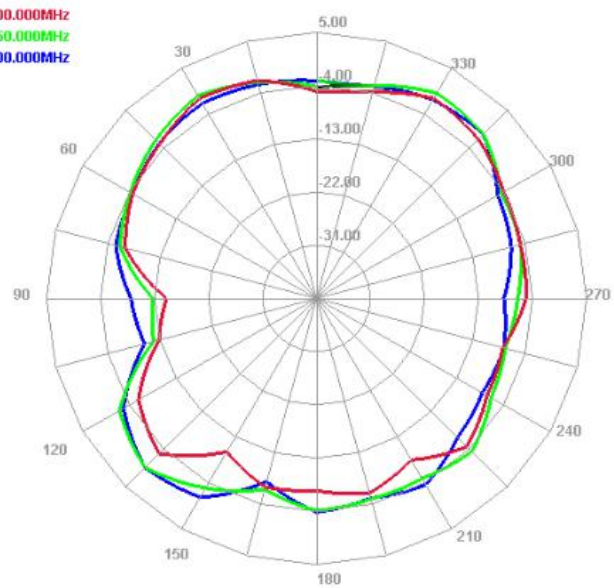
2400.000MHz
2450.000MHz
2500.000MHz

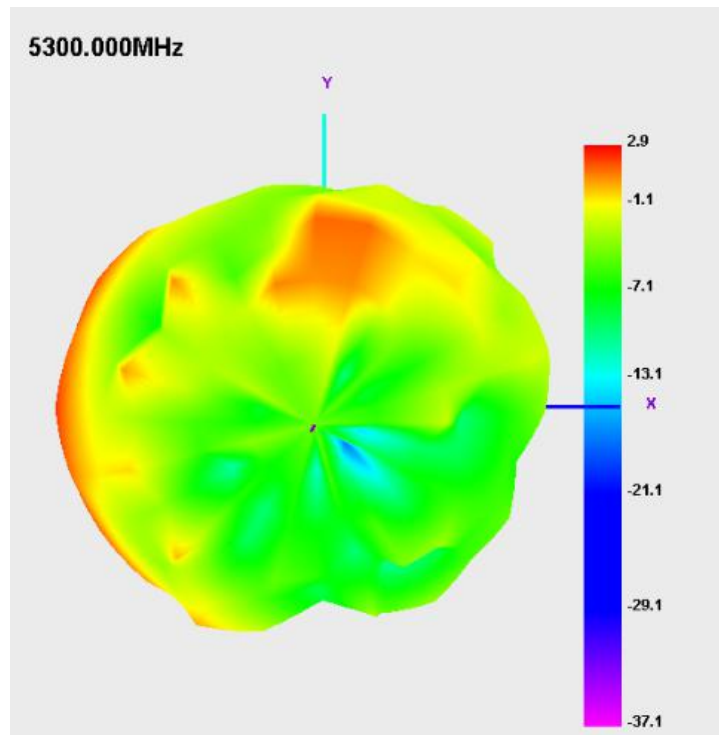


Y-Z Plane V Phi=90

E2 Face

2400.000MHz
2450.000MHz
2500.000MHz

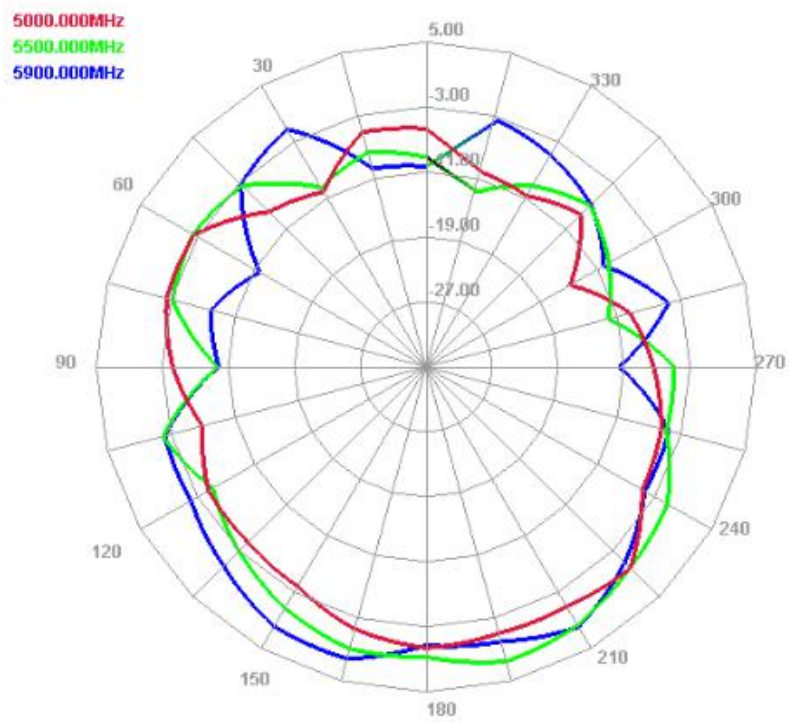




X-Y Plane

H Theta=90

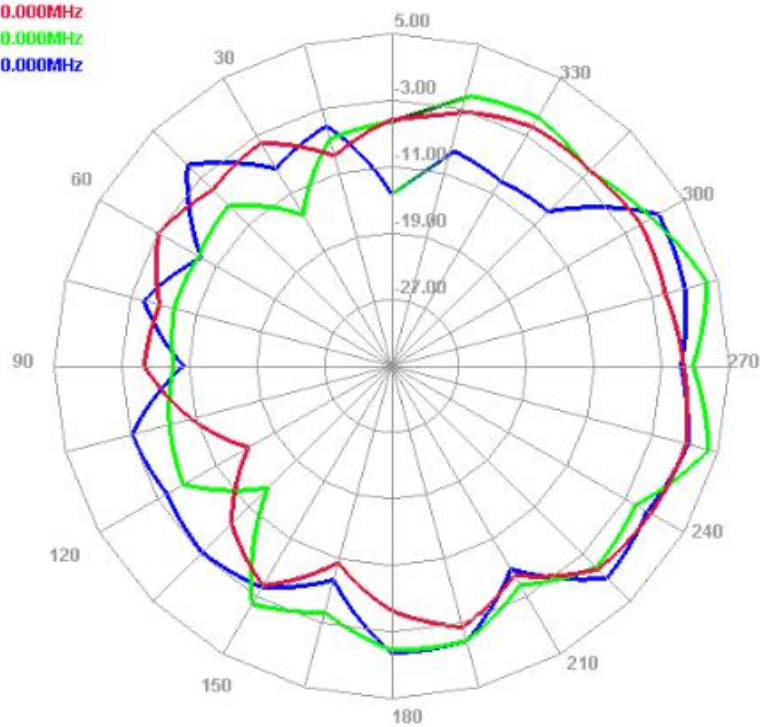
Horizontal



**X-Z Plane
V Phi=0**

E1 Face

5000.000MHz
5500.000MHz
5900.000MHz



**Y-Z Plane
V Phi=90**

E2 Face

5000.000MHz
5500.000MHz
5900.000MHz

