



ANT Communication Technology (Shenzhen) Co., LTD.

Antenna Datasheet

Customer name : Xiao Xun

Project name : AW1026

Datasheet version : RA

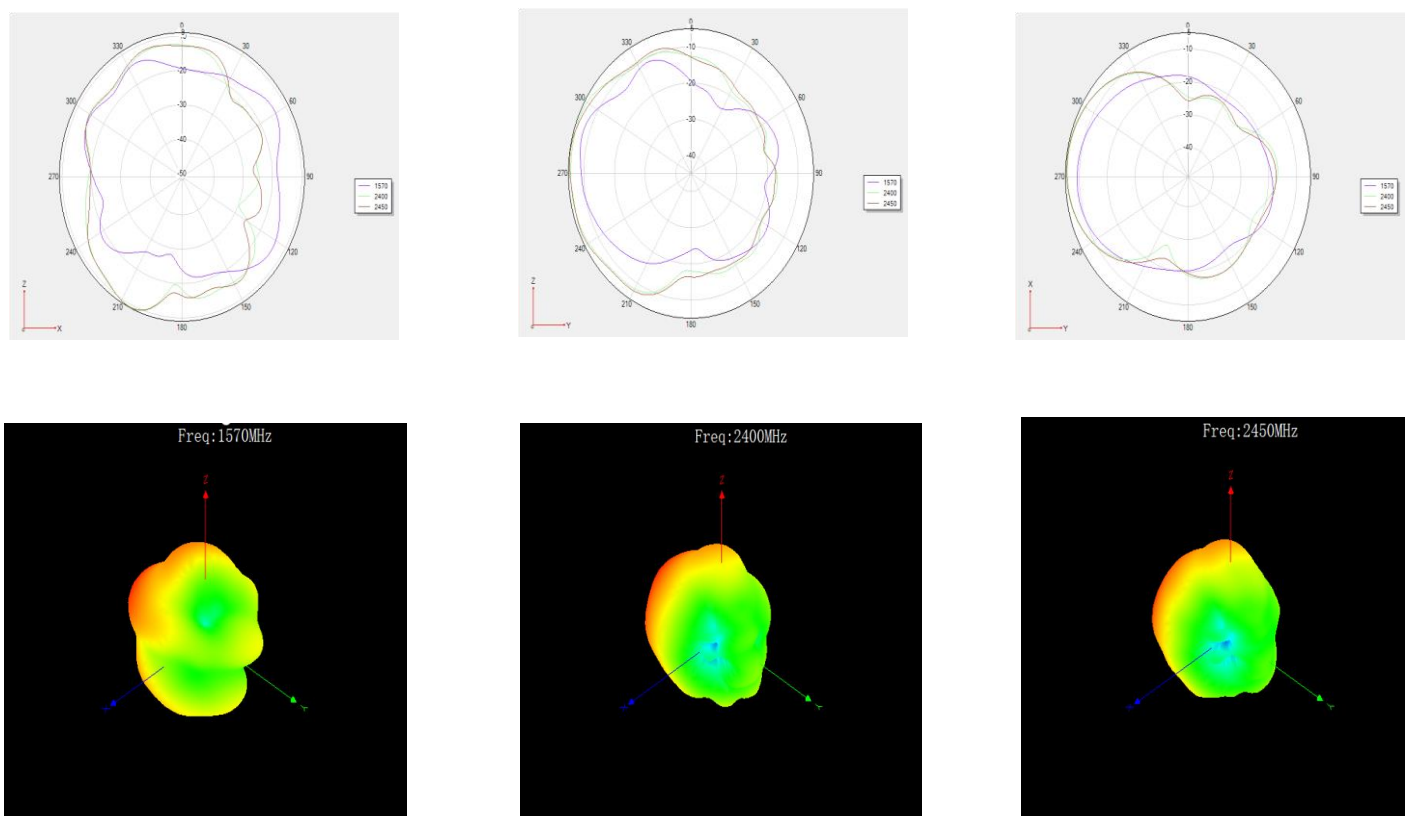
Material specifications :

一、BLE/GPS/GLONASS/GALILEO/BEIDOU ANT

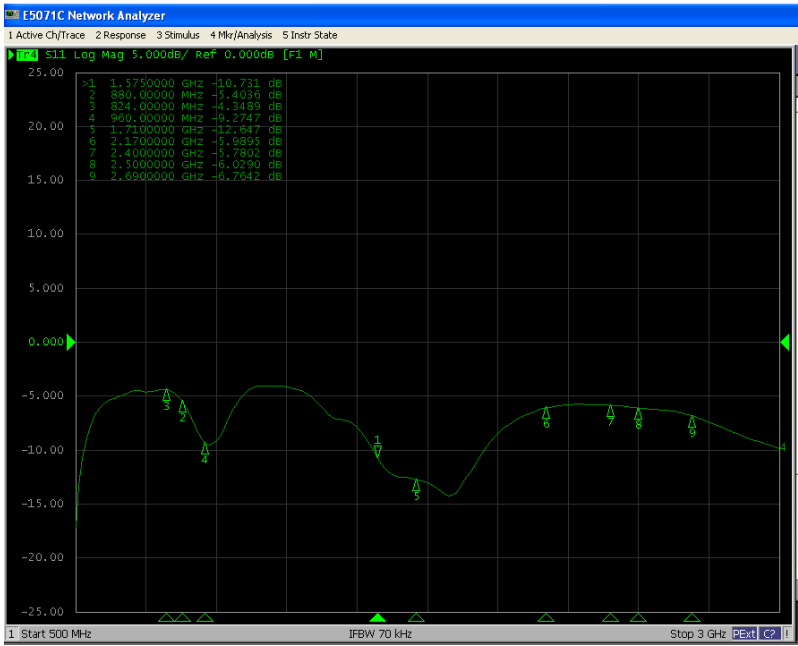
1、Gain & Efficiency & Directional diagram (Wear arms)

GPS+BDS+GLONASS+GALILEO				BLE			
Freq/ MHz	Effi /db	Freq/%	Gain/dBi	Freq/ MHz	Effi /db	Freq/%	Gain/dBi
1500	-14.56	3.5	-8.34	2400	-13.88	4.09	-8.21
1510	-14.37	3.66	-7.86	2410	-13.46	4.51	-7.82
1520	-14.18	3.82	-7.83	2420	-13.4	4.57	-7.58
1530	-13.99	3.99	-7.56	2430	-13.59	4.38	-8.15
1540	-13.58	4.39	-7.19	2440	-13.64	4.33	-7.79
1550	-13.41	4.56	-7.17	2450	-13.35	4.62	-7.95
1560	-13.17	4.82	-7.24	2460	-13.4	4.57	-7.33
1570	-13.06	4.94	-7.59	2470	-13.59	4.38	-8.08
1580	-13.01	5	-7.69	2480	-13.9	4.07	-7.82
1590	-13.03	4.98	-7.76	2490	-13.71	4.26	-7.98
1600	-13.08	4.92	-8.06	2500	-13.89	4.08	-8.64
1610	-12.97	5.05	-7.83				
1620	-13.11	4.89	-7.73				

2、2D/3D Directional diagram



3、Antenna S11

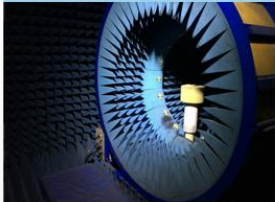


4、Antenna parameters

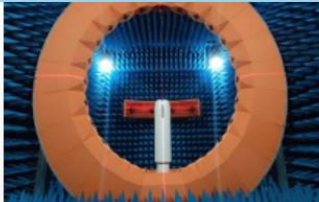
Technical parameters	
Frequency range	1500-1620MHZ, 2400-2500MHZ
Enter The impedance	50 Ω
VSWR	≤2.5
Max gain	-5.63dBi
Environment parameters	
Operating temperature	-45℃--+85℃
Storage temperature	-45℃--+85℃

三、Test Equipment

Test Environment and Equipment



SATIMO-16



XH-24-5G



CUM GO



CMU RUN



Agilent 8960



R&S CMW500



Anritsu MT8820C



Agilent 5071C



StarPoint SP9500

Test system	Testing environment	Active	Passive
SATIMO-16	Temperature 22℃±3℃ Humidity 50%±15%	2G/3G/4G/5G GPS/WIFI/BT	400M-8.5G
XH-24			