



ANT Communication Technology (Shenzhen) Co., LTD.

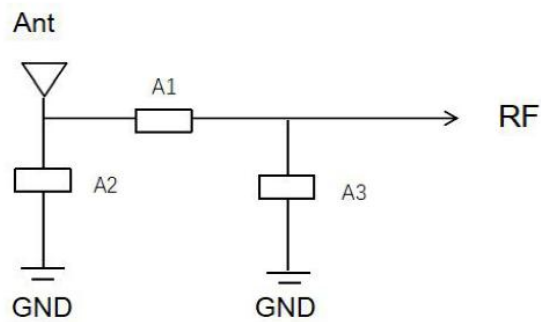
# Antenna Datasheet

Manufacturer : ZhenShi Information Technology (Shanghai) Co.,Ltd

Model : XPAW012

Datasheet version : RA

Material specifications :



## 一、BLE/GPS/GLONASS/GALILEO/BEIDOU ANT

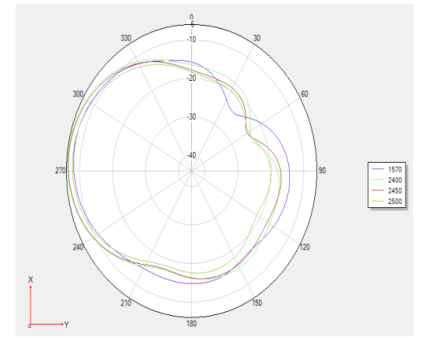
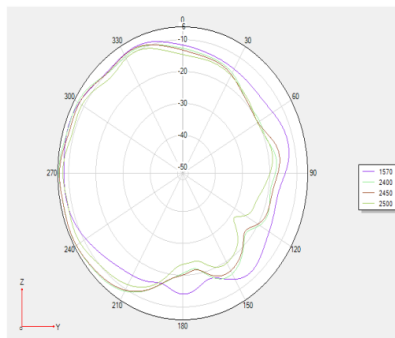
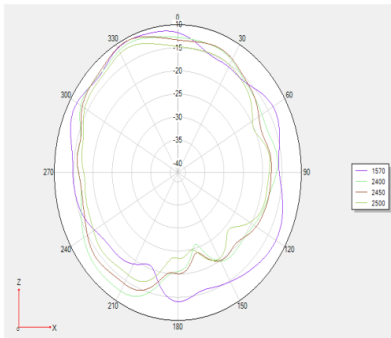
## 1、Gain &amp; Efficiency &amp; Directional diagram (Wear arms)

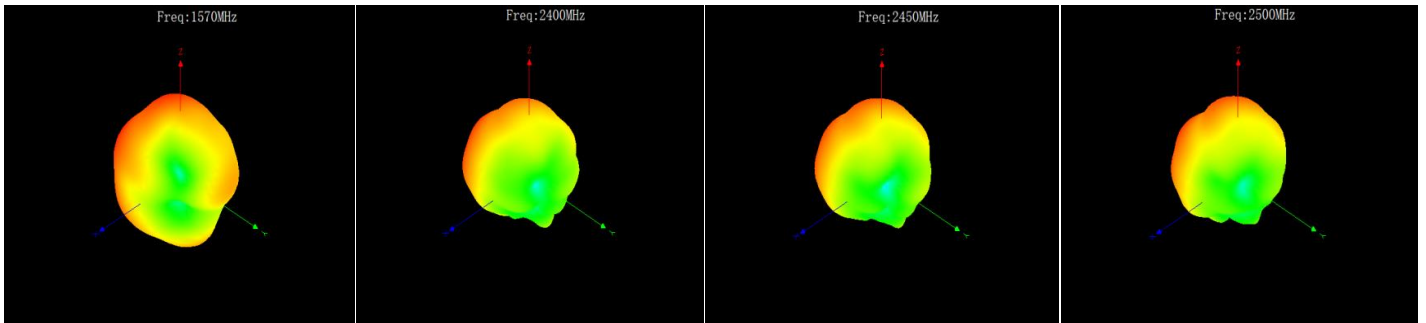
GPS+BDS+GLONASS+GALILEO				BLE			
Freq/ MHz	Effi /db	Freq/%	Gain/dBi	Freq/ MHz	Effi /db	Freq/%	Gain/dBi
1500	-13.37	4.6	-7.1	2400	-13.09	4.91	-8.66
1510	-13.01	5	-6.9	2410	-13.52	4.45	-8.83
1520	-12.74	5.32	-6.39	2420	-13.08	4.92	-8.7
1530	-12.44	5.7	-6.05	2430	-13.71	4.26	-8.82
1540	-12.27	5.93	-5.63	2440	-13	5.01	-8.59
1550	-12.25	5.96	-6.08	2450	-13.38	4.59	-9.12
1560	-12.1	6.17	-5.93	2460	-13.19	4.8	-8.29
1570	-12.18	6.05	-6.35	2470	-13.56	4.41	-8.53
1580	-12.23	5.98	-6.1	2480	-13.29	4.69	-8.29

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1590	-12.26	5.94	-6.42	2490	-13.84	4.13	-8.56
1600	-12.63	5.46	-6.36	2500	-13.96	4.02	-8.66
1610	-12.23	5.98	-6.6				
1620	-12.56	5.55	-6.73				

### 2、2D/3D Directional diagram





### 3、Antenna S11



### 4、Antenna parameters

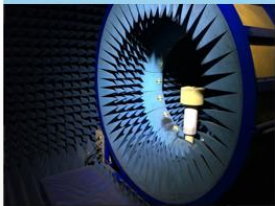
Technical parameters

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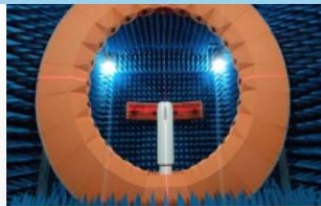
Frequency range	2400-2500MHZ
Enter The impedance	50 Ω
VSWR	≤2.5
Max gain	-8.29dBi
Environment parameters	
Operating temperature	-45℃--+85℃
Storage temperature	-45℃--+85℃

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			