

三合一天线规格书

3-in-1 antenna specification

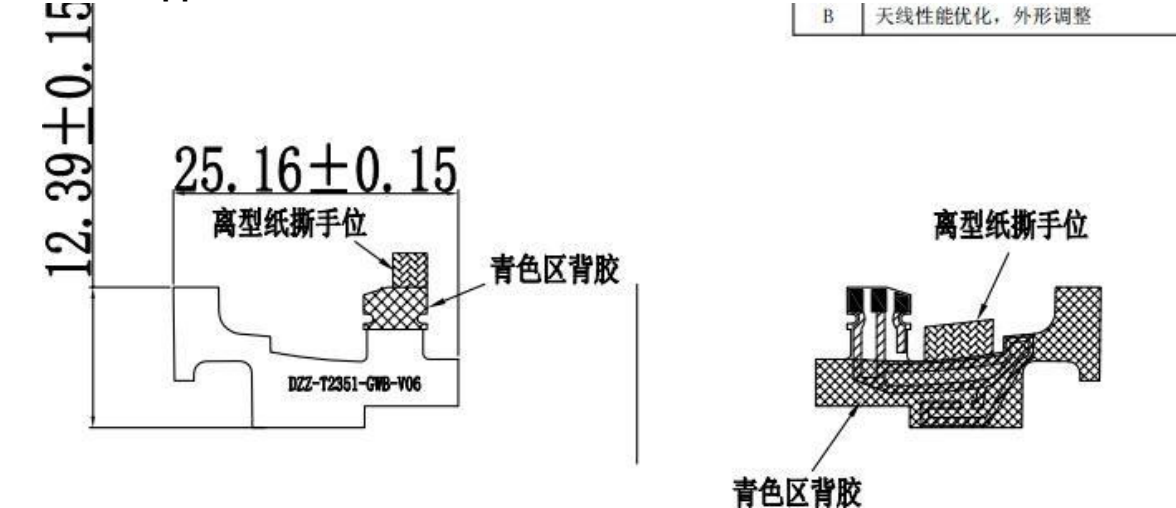
基本信息

General information

制造商 Manufacturer	Be-comfortable
天线型号 Model Name	T2351-GPS&WIFI&BT ant
日期 Date	2025.09.24
版本 Version	1.0
制造商地址 Vendor address	Building C6, Hengfeng Industrial City, Zhoushi Road, Xixiang Town, Baoan District, Shenzhen

天线外观

Antenna Appearance



技术规格

Technical Specifications

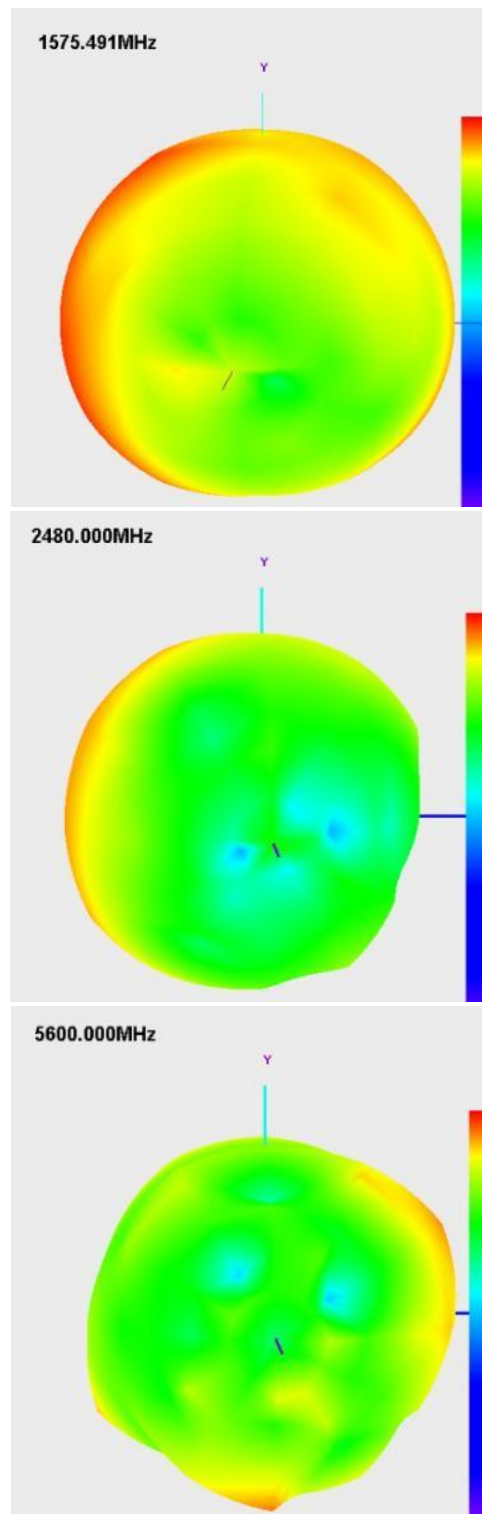
频率范围 Frequency Range	1575.42MHZ+2400-2500MHZ~5150-5850MHZ
天线类型 Antenna Type	PIFA
尺寸 Dimensions	25.16*12.39mm
阻抗 Impedance	50 ohm
最大增益 Maximum Gain	0.83dbi
驻波比 VSWR	≤ 3
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Efficiency and gain

Frequency (MHz)	Gain (dBi)	Efficiency (%)
1540	1.02	33.98
1550	1.15	35.49
1560	1.24	35.54
1570	1.25	36.08
1580	1.19	34.75
1590	1.08	33.62
1600	1.22	33.44

Frequency (MHz)	Gain (dBi)	Efficiency (%)	Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	1.61	32.67	5150	1.87	41.08
2410	1.57	33.55	5250	1.90	41.49
2420	1.66	34.32	5350	1.90	37.35
2430	1.85	34.35	5450	1.75	40.61
2440	1.87	35.23	5550	1.79	41.87
2450	1.90	33.92	5650	1.73	42.19
2460	1.77	33.53	5750	1.80	38.28
2470	1.79	33.29	5850	2.00	40.95
2480	1.83	32.25	5950	1.97	40.67
2490	1.69	31.8			
2500	1.55	32.2			

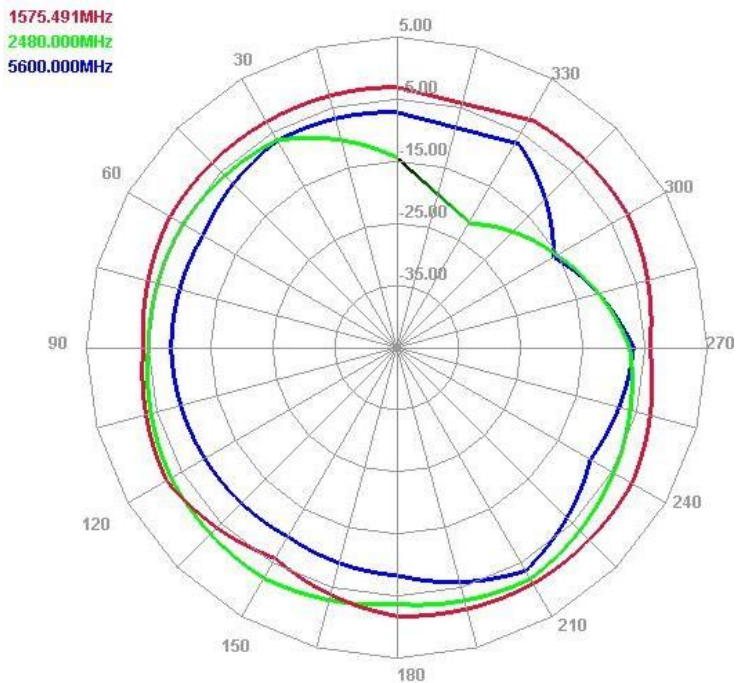
Free space 3D radiation pattern



Free space 2D radiation pattern

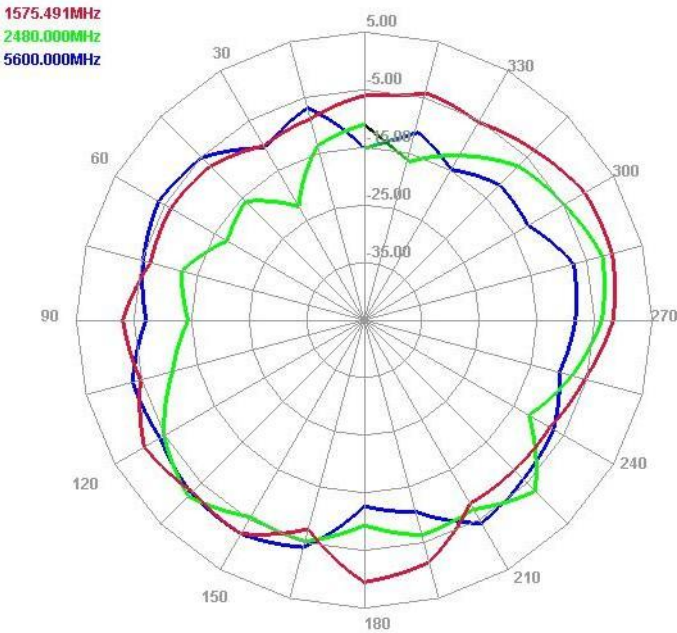
X-Y Plane
H Theta=90

Horizontal



X-Z Plane
V Phi=0

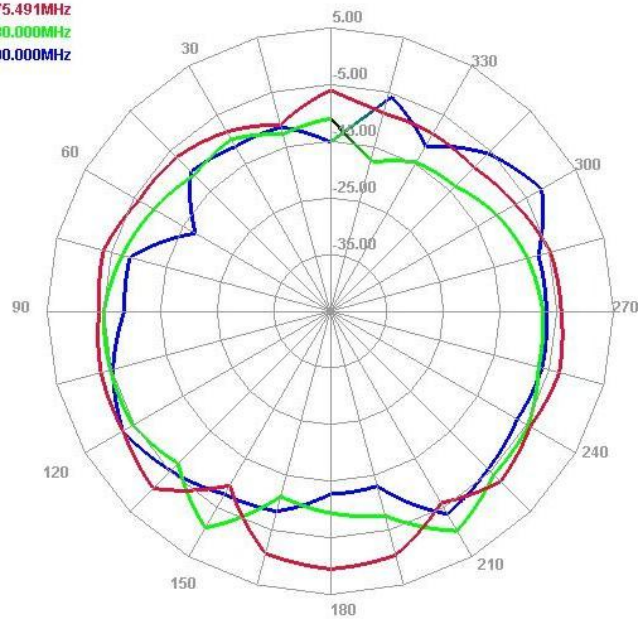
E1 Face



Y-Z Plane V Phi=90

E2 Face

1575.491MHz
2480.000MHz
5600.000MHz



有源数据

OTA (TRP TIS)

frequency	Channel	判断标准	亮屏	
			TRP	TIS
WIFI 11b (11M)	1	TRP:≥12dBm TIS:≤-83dBm	14.26	-85.07
	7		14.64	-85.15
	13		14.86	-84.56
WIFI 11a (54M)	36	TRP:≥10dBm TIS:≤-70dBm	14.16	-71.05
	157		14.99	-70.88
	165		15.35	-70.56
WIFI 11g	1	TRP:≥10dBm TIS:≤-70dBm	15.20	-71.12
	7		14.85	-70.17
	13		15.23	-70.41
WIFI 11n	1	TRP:≥8dBm TIS:≤-68dBm	15.25	-67.69
	7		14.96	-68.02
	13		15.15	-68.35