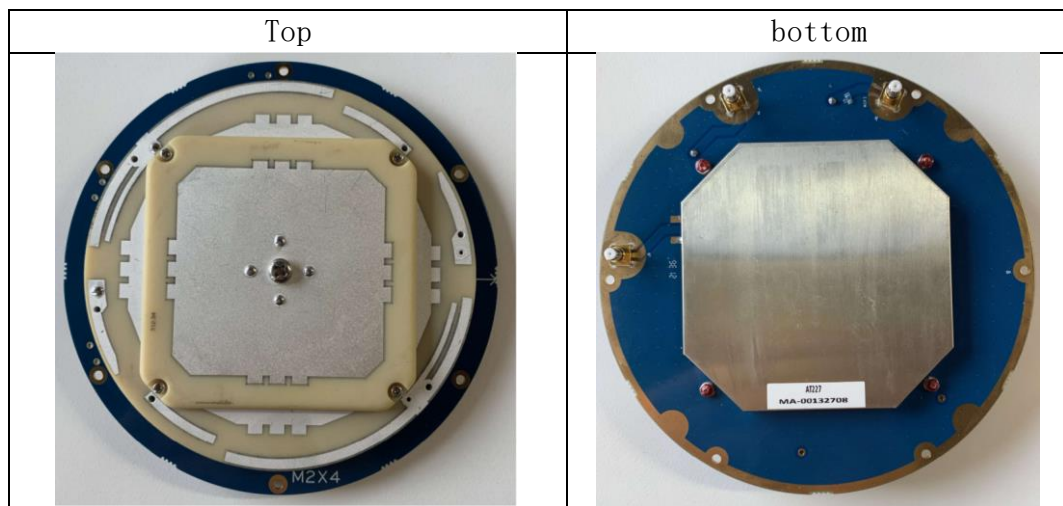


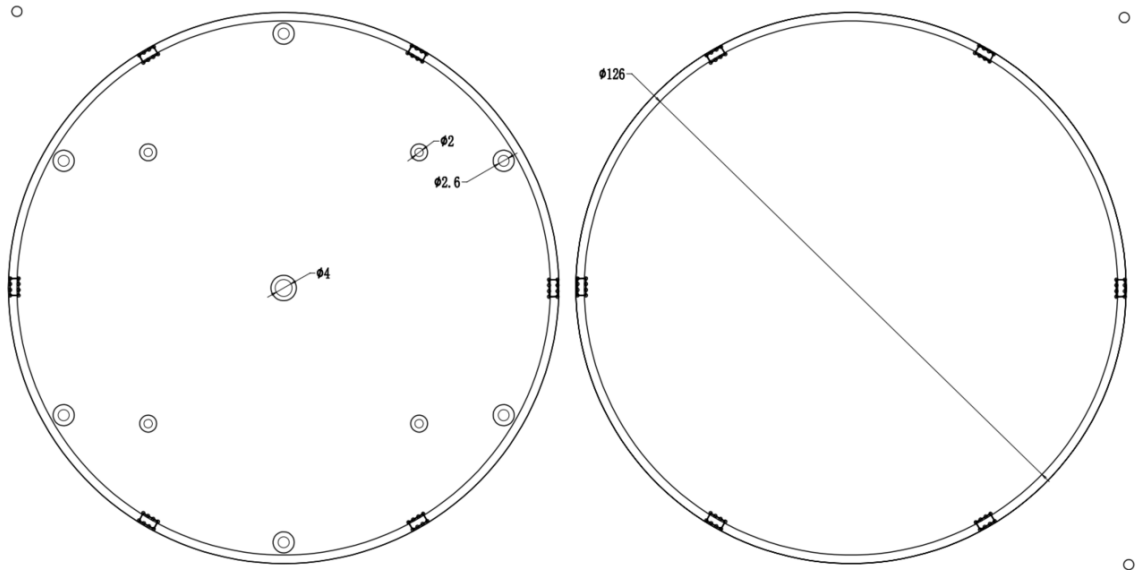
AT227 Antenna specification

Applicant	Shanghai Huace Navigation Technology Ltd.
Address	577 Songying Road, Qingpu District, 201706 Shanghai, China
Product Name	GNSS\WIFI\BT Antenna
Model	AT227

1. VIEW:



2. SIZE(mm):



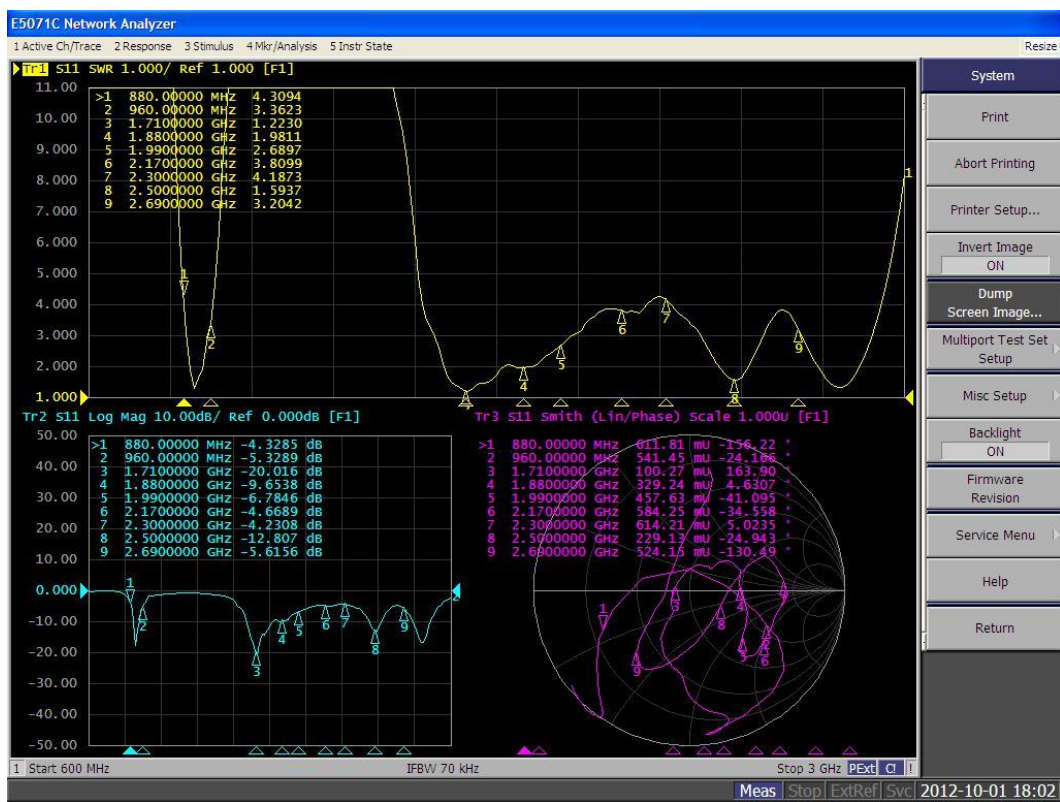
3. LAYOUT

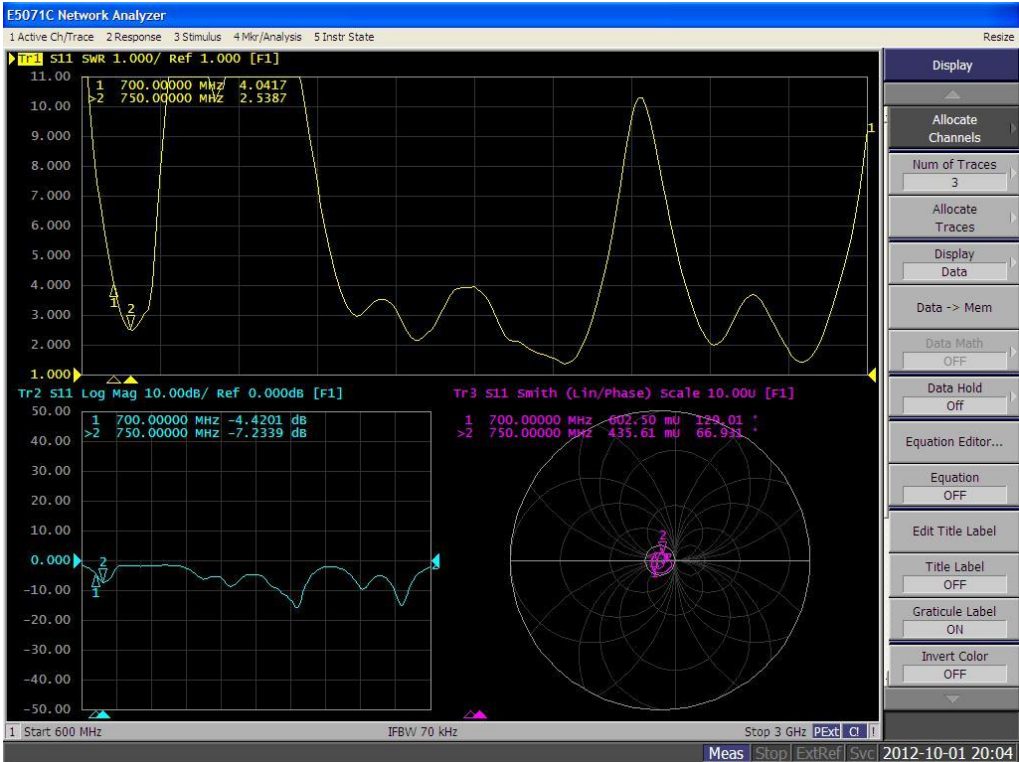
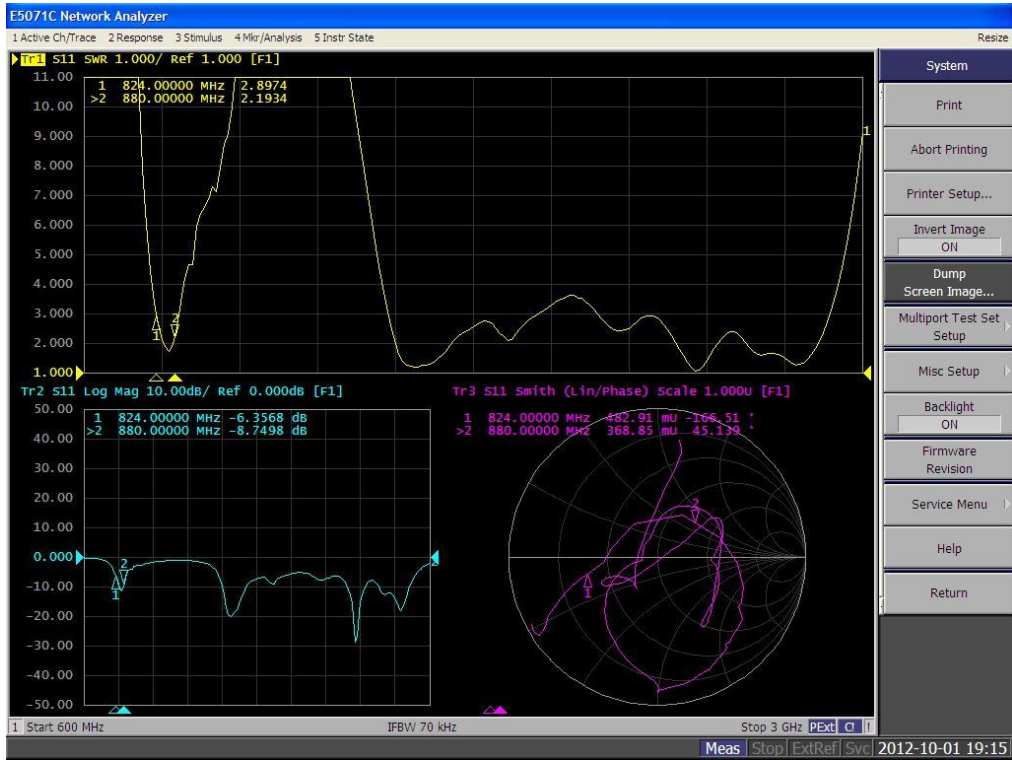
BOTTOM	TOP

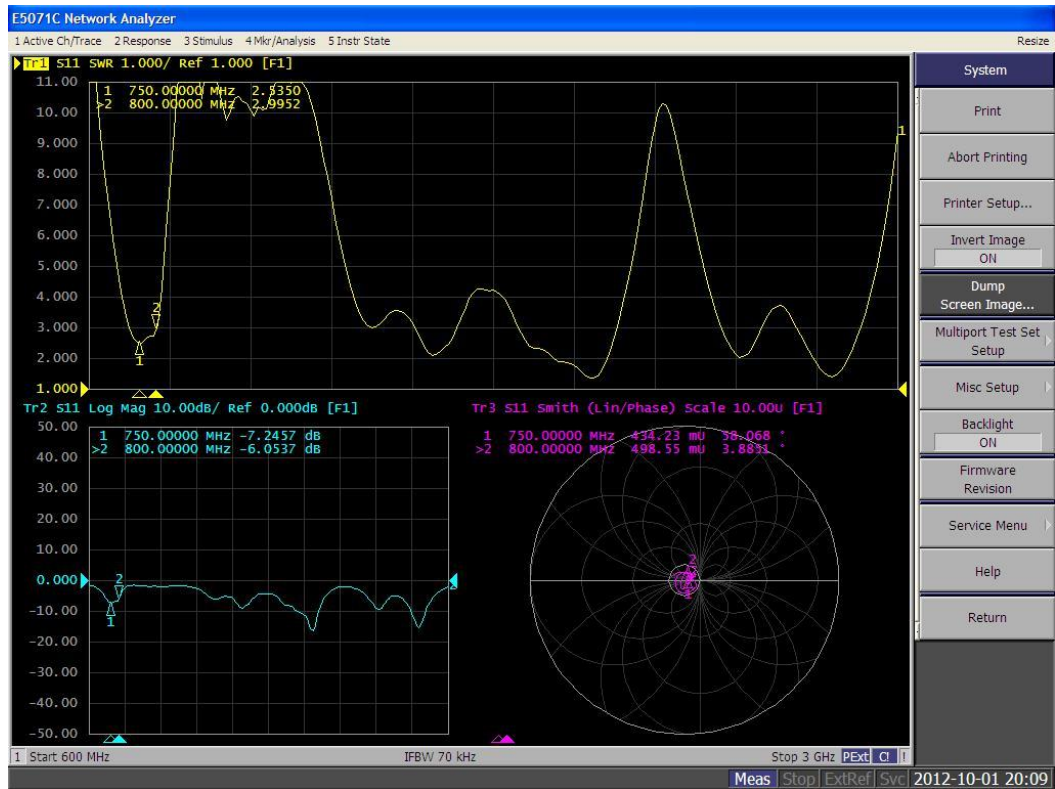
4. Main Antenna Return Loss and VSWR

Main Antenna Return Loss and VSWR

频率点 (MHZ)	880	960	1710	2690
Return Loss	-4.32	-5.32	-20.01	-5.61
VSWR	4.3	3.36	1.22	3.20







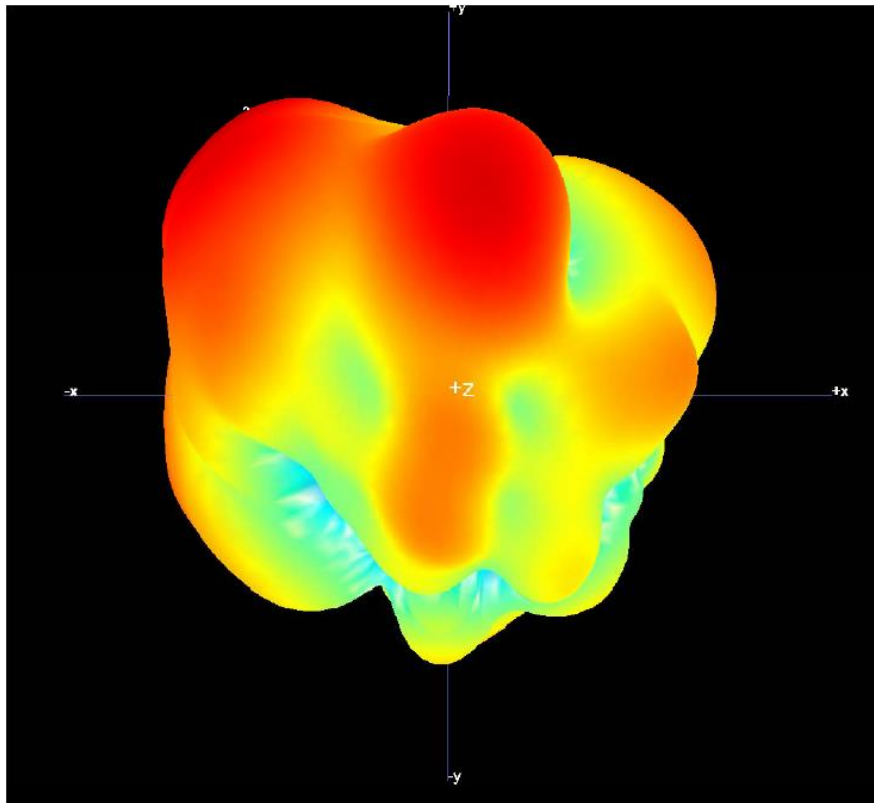
5. GAIN test

Frequency	Efficiency()	Frequency	Efficiency . dB(dB)	Frequency	Gain . dB()
880MHz	22%	880MHz	-6.65098	880MHz	(-2.47)
890MHz	22%	890MHz	-6.51695	890MHz	(-2.16)
900MHz	22%	900MHz	-6.52494	900MHz	(-1.08)
910MHz	26%	910MHz	-5.9328	910MHz	0.03
920MHz	34%	920MHz	-4.62475	920MHz	0.79
930MHz	35%	930MHz	-4.55967	930MHz	0.30
940MHz	37%	940MHz	-4.3765	940MHz	1.20
950MHz	32%	950MHz	-5.01176	950MHz	0.50
960MHz	27%	960MHz	-5.63656	960MHz	(-0.30)
970MHz	23%	970MHz	-6.44643	970MHz	(-1.19)
980MHz	18%	980MHz	-7.53062	980MHz	(-2.33)
990MHz	15%	990MHz	-8.23331	990MHz	(-3.10)
1000MHz	12%	1000MHz	-9.1435	1000MHz	(-4.09)
Frequency	Efficiency()	Frequency	Efficiency . dB(dB)	Frequency	Gain . dB()
1700MHz	48%	1700MHz	-3.19262	1700MHz	1.64
1720MHz	56%	1720MHz	-2.54112	1720MHz	1.99
1740MHz	61%	1740MHz	-2.15761	1740MHz	2.18
1760MHz	64%	1760MHz	-1.94403	1760MHz	2.33
1780MHz	62%	1780MHz	-2.09058	1780MHz	2.26
1800MHz	59%	1800MHz	-2.26958	1800MHz	2.25
1820MHz	57%	1820MHz	-2.46754	1820MHz	2.17
1840MHz	53%	1840MHz	-2.73071	1840MHz	1.92
1860MHz	46%	1860MHz	-3.41708	1860MHz	1.27
1880MHz	41%	1880MHz	-3.85595	1880MHz	0.93
1900MHz	39%	1900MHz	-4.14111	1900MHz	0.73
1920MHz	35%	1920MHz	-4.5748	1920MHz	0.35
1940MHz	32%	1940MHz	-4.93465	1940MHz	(-0.12)
1960MHz	34%	1960MHz	-4.64395	1960MHz	(-0.11)
1980MHz	37%	1980MHz	-4.34247	1980MHz	(-0.04)
2000MHz	36%	2000MHz	-4.45903	2000MHz	(-0.26)
2020MHz	35%	2020MHz	-4.55045	2020MHz	(-0.38)
2040MHz	36%	2040MHz	-4.43673	2040MHz	(-0.33)
2060MHz	35%	2060MHz	-4.57503	2060MHz	(-0.41)
2080MHz	35%	2080MHz	-4.50418	2080MHz	(-0.24)
2100MHz	38%	2100MHz	-4.22764	2100MHz	0.22
2120MHz	40%	2120MHz	-3.96473	2120MHz	0.55

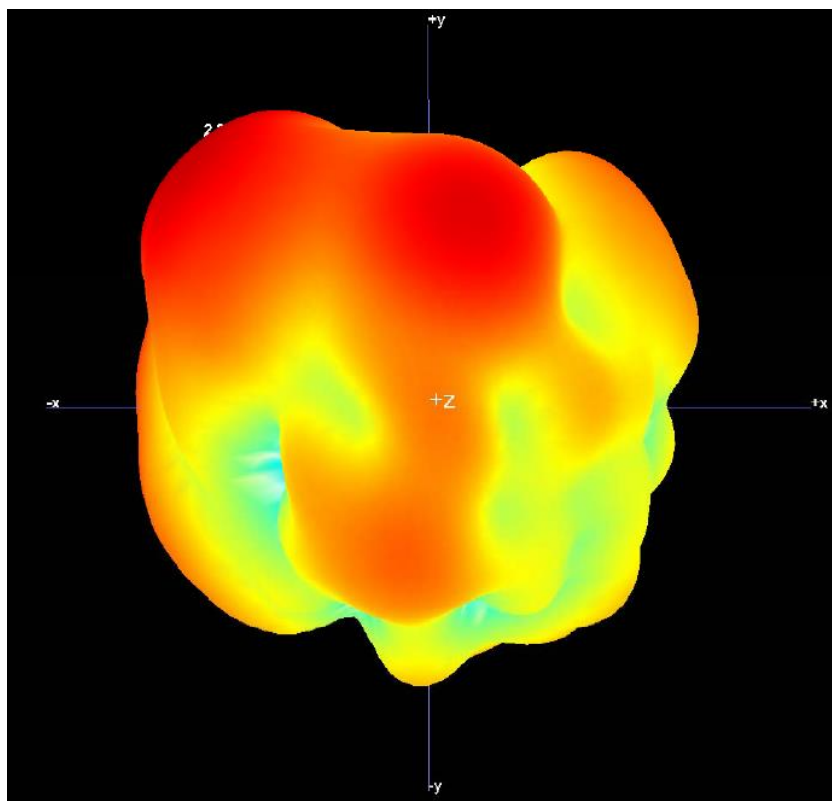
2140MHz	42%	2140MHz	-3.72566	2140MHz	0.90
2160MHz	46%	2160MHz	-3.41587	2160MHz	1.36
2180MHz	48%	2180MHz	-3.1458	2180MHz	1.76
2200MHz	48%	2200MHz	-3.16004	2200MHz	1.86
2220MHz	48%	2220MHz	-3.15096	2220MHz	1.95
2240MHz	50%	2240MHz	-3.04931	2240MHz	2.16
2260MHz	51%	2260MHz	-2.91928	2260MHz	2.37
2280MHz	50%	2280MHz	-3.00676	2280MHz	2.35
2300MHz	52%	2300MHz	-2.86063	2300MHz	2.49
2320MHz	53%	2320MHz	-2.76222	2320MHz	2.53
2340MHz	53%	2340MHz	-2.71718	2340MHz	2.52
2360MHz	51%	2360MHz	-2.91592	2360MHz	2.29
2380MHz	50%	2380MHz	-3.02047	2380MHz	2.03
2400MHz	45%	2400MHz	-3.45351	2400MHz	1.28
2420MHz	44%	2420MHz	-3.52957	2420MHz	1.51
2440MHz	44%	2440MHz	-3.60819	2440MHz	1.45
2460MHz	44%	2460MHz	-3.55325	2460MHz	1.39
2480MHz	43%	2480MHz	-3.70835	2480MHz	0.86
2500MHz	45%	2500MHz	-3.4206	2500MHz	1.04
2520MHz	44%	2520MHz	-3.53835	2520MHz	0.71
2540MHz	40%	2540MHz	-3.96419	2540MHz	0.39
2560MHz	35%	2560MHz	-4.51464	2560MHz	(-0.47)
2580MHz	38%	2580MHz	-4.16317	2580MHz	0.03
2600MHz	38%	2600MHz	-4.19904	2600MHz	(-0.18)
2620MHz	39%	2620MHz	-4.11271	2620MHz	(-0.09)
2640MHz	39%	2640MHz	-4.1205	2640MHz	0.08
2660MHz	44%	2660MHz	-3.60388	2660MHz	0.71
2680MHz	42%	2680MHz	-3.78668	2680MHz	0.63
2700MHz	41%	2700MHz	-3.91379	2700MHz	0.69

• 3DRadiation pattern

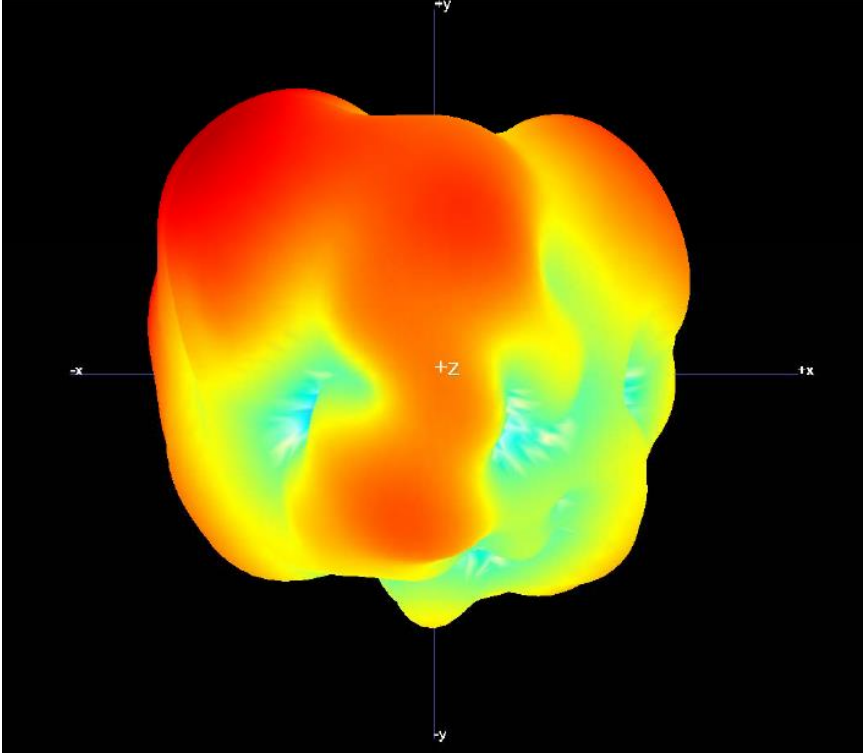
2402MHz



2441MHz

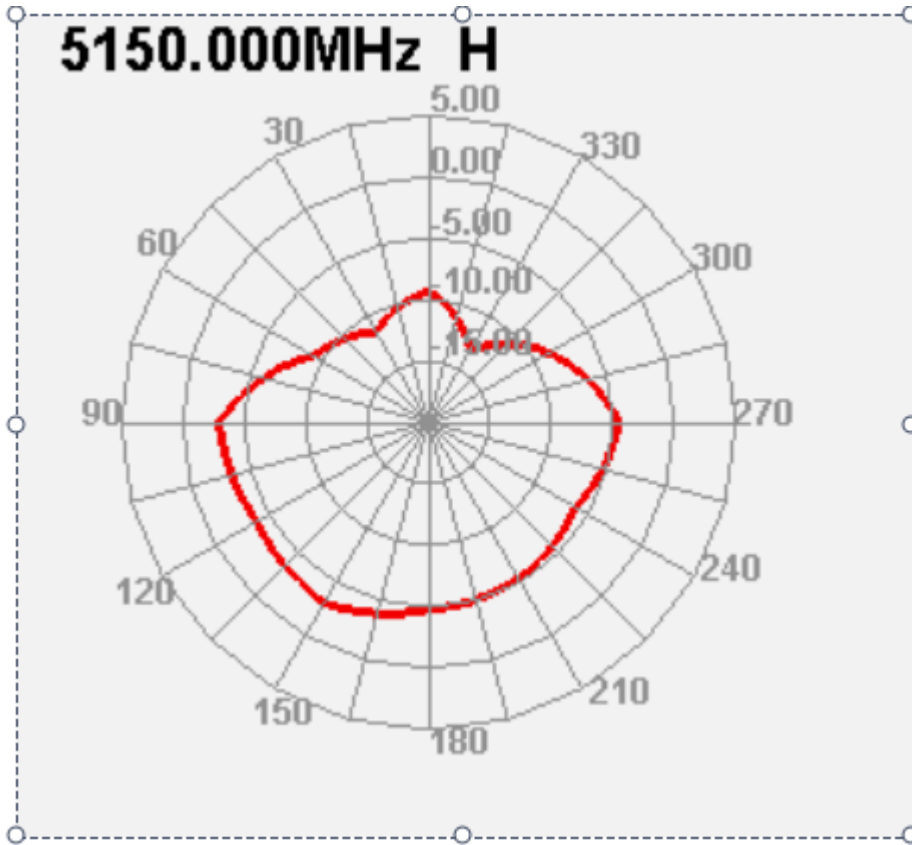


2480MHz

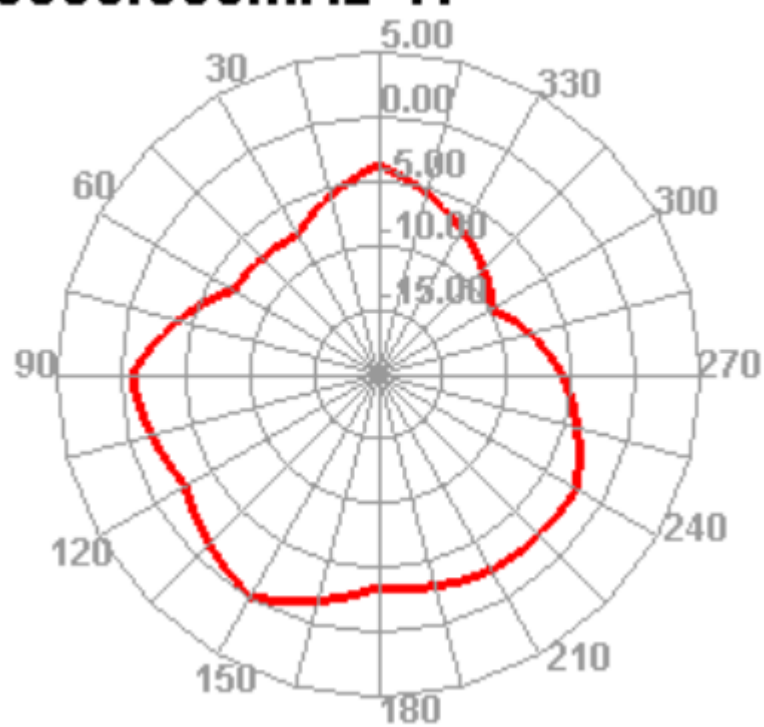


5G wifi antenna specification

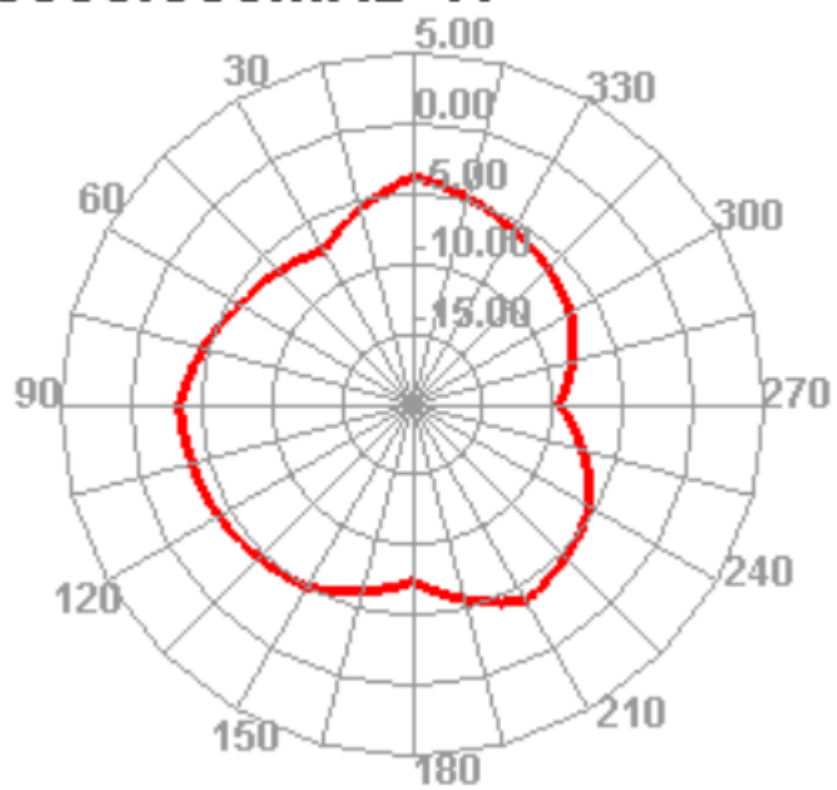
Antenna Max. Gain: 2dBi



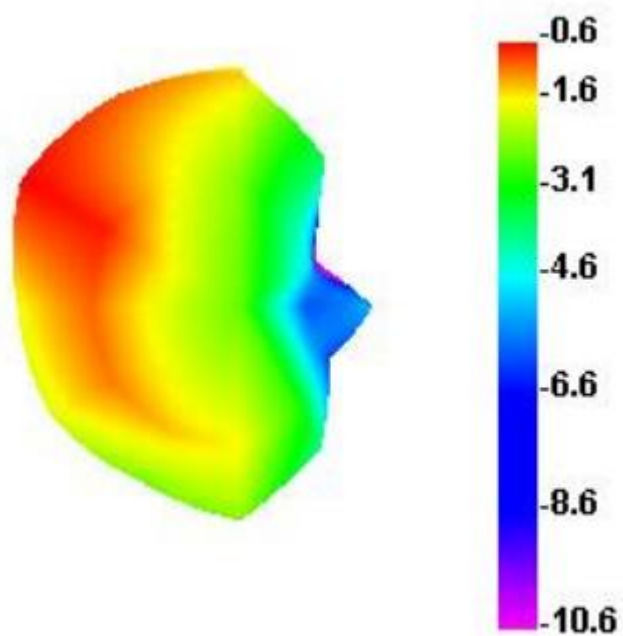
5500.000MHz H



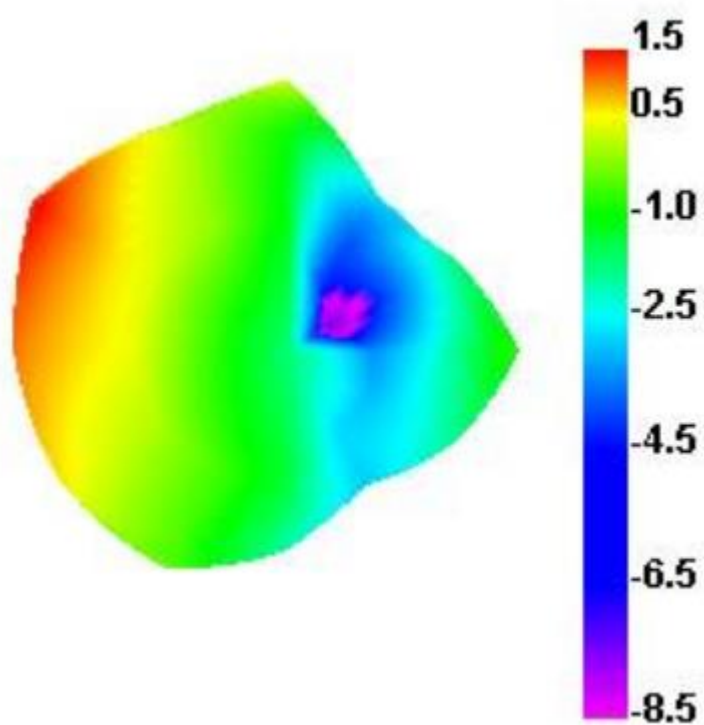
5850.000MHz H



5150.000MHz



5500.000MHz



5850.000MHz

