

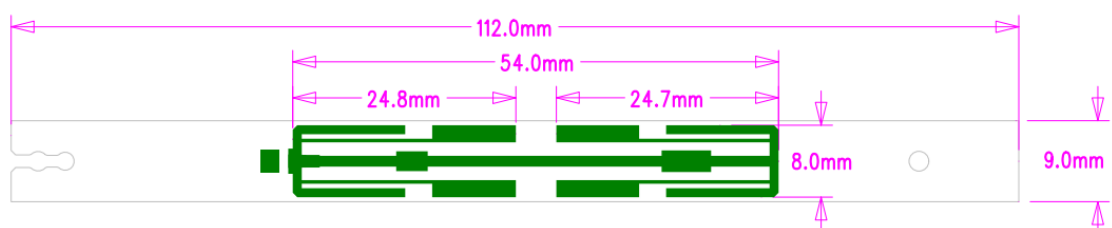
Antenna Specifications for BE12 Pro Project

Manufacture: SHENZHEN TENDA TECHNOLOGY CO., LTD.

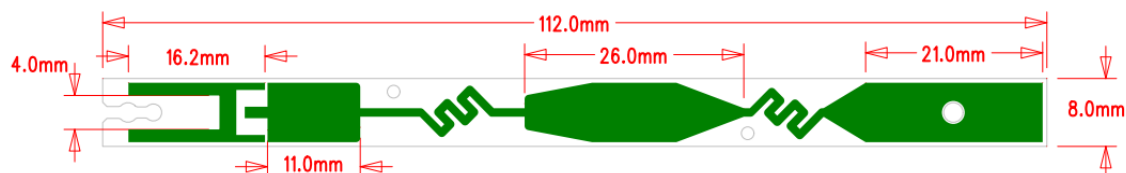
Address: 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road,
Nanshan District, Shenzhen 518052, China

Model: BE12 Pro Antenna

1. Antenna Appearance:



2. 4GHz & 5GHz



5GHz

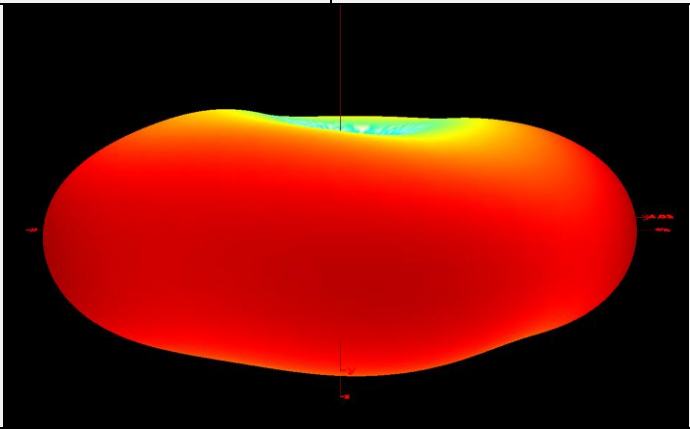
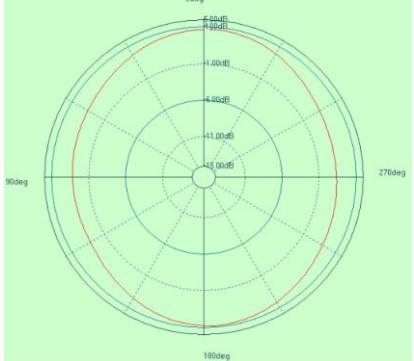
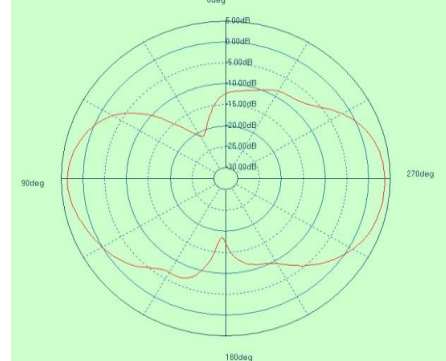
2. Electrical performance test results at normal temperature 2.4GHz & 5GHz Antenna

a) Performance.

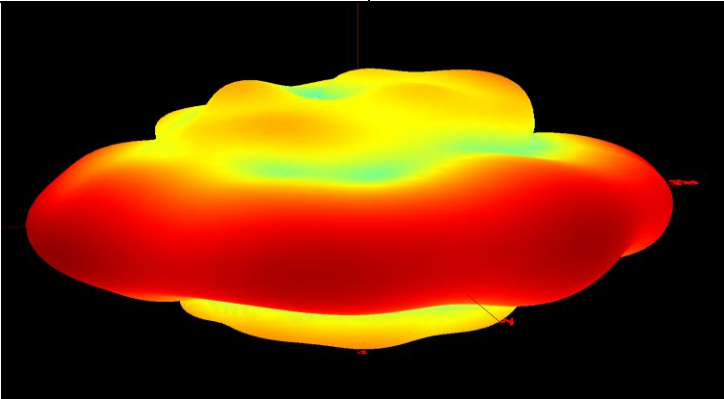
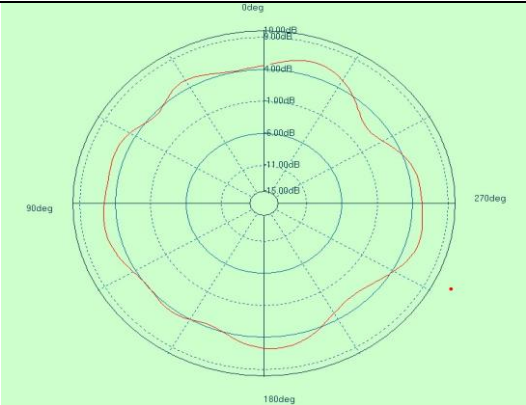
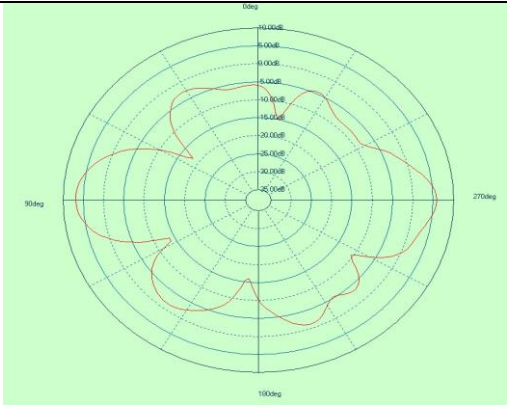
No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	2400-2483/5150-5850	2400-2483/5150-5850		OK
2	Gain	dBi	2400-2483: 4 5150-5850: 6	2400	3.84	OK
				2450	4.03	OK
				2483	4.40	OK
				5150	6.22	OK
				5500	6.31	OK

				5850	6.34	OK
3	Return loss	dB	≤ -10	2400	-15.9	OK
				2450	-15.5	OK
				2483	-14.1	OK
				5150	-17.5	OK
				5500	-20.3	OK
				5850	-16.9	OK

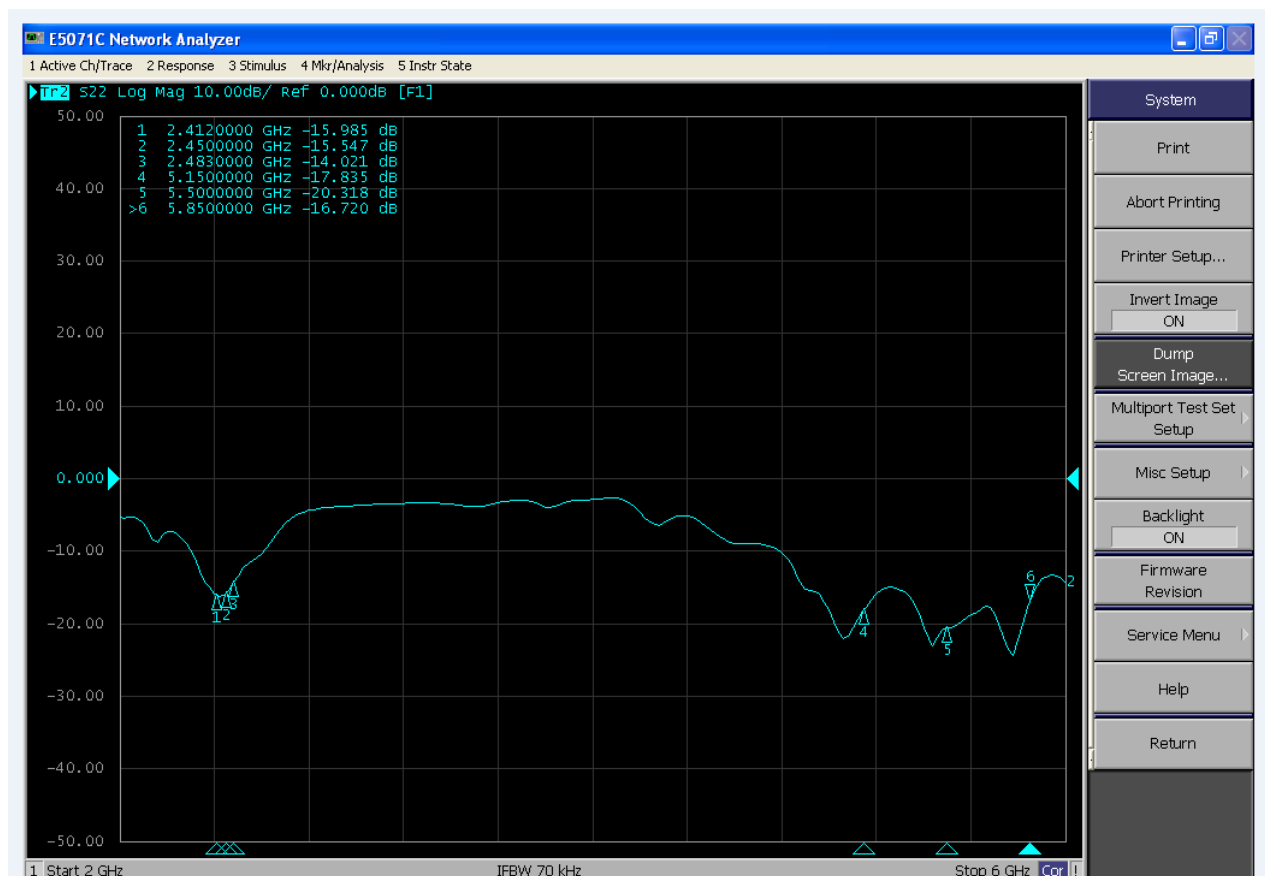
Directional diagram(2. 4GHz)

EUT		
Remark		
Frequency	E Total. dB(dB)	Efficiency (%)
2400MHz	3.81	81%
2410MHz	3.84	81%
2420MHz	3.88	81%
2430MHz	4.02	84%
2440MHz	4.06	83%
2450MHz	4.03	82%
2460MHz	4.04	85%
2470MHz	4.22	83%
2480MHz	4.40	83%
3D Radiation patterns		
	H PLANE	V PLANE
2D Radiation patterns		

Directional diagram (5GHz)

Frequency	E Total. dB(dBi)	Efficiency (%)
5150MHz	6.22	76%
5200MHz	6.46	73%
5250MHz	6.49	76%
5300MHz	6.60	76%
5350MHz	6.58	77%
5400MHz	6.52	77%
5450MHz	6.31	81%
5500MHz	6.56	79%
5550MHz	6.57	79%
5600MHz	6.86	76%
5650MHz	6.59	73%
5700MHz	6.56	77%
5750MHz	6.32	80%
5800MHz	6.48	80%
5850MHz	6.41	78%
3D Radiation patterns		
	H PLANE	V PLANE
2D Radiation patterns		

b) Return loss test.



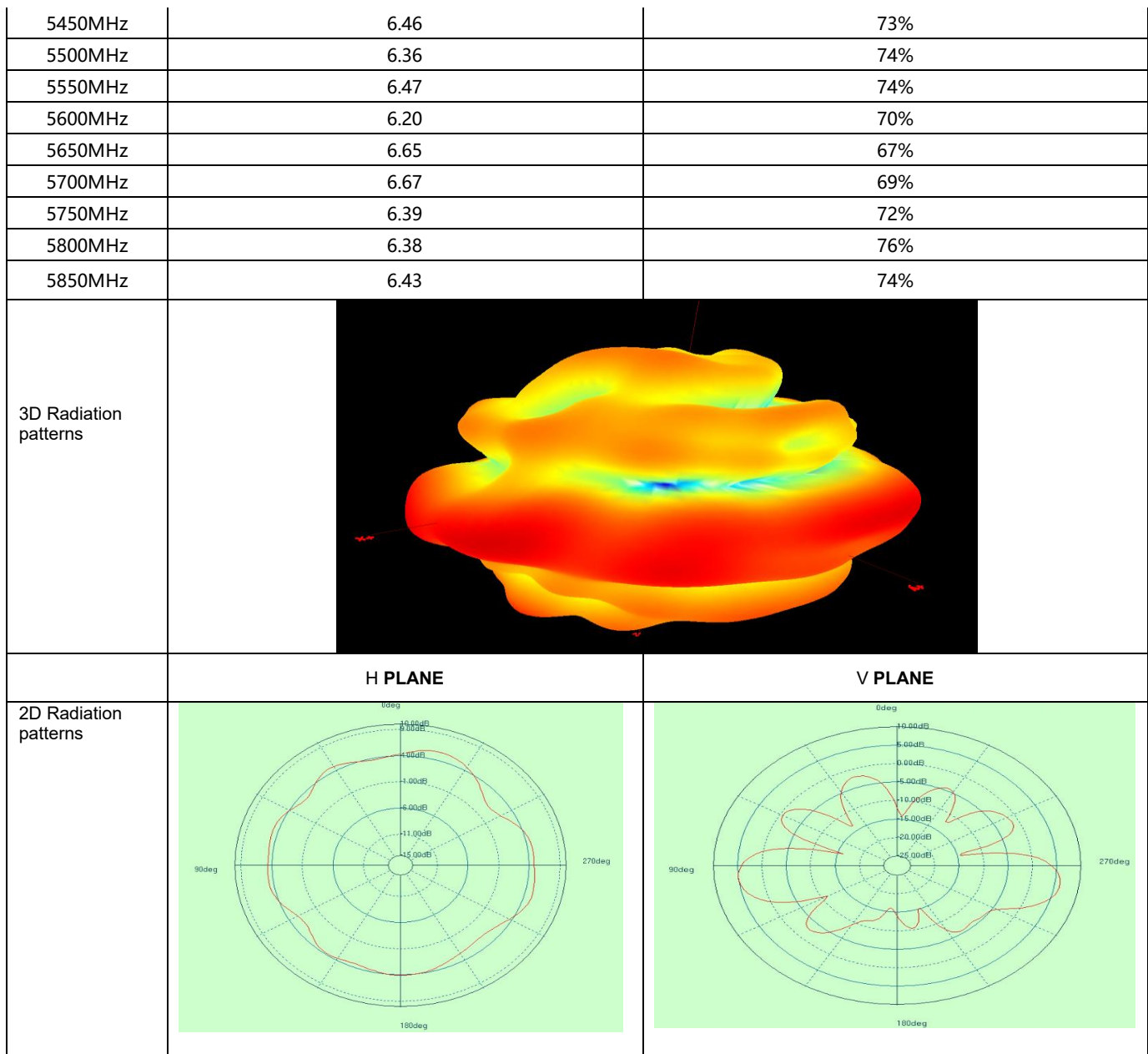
5GHz Antenna

a) Performance.

No	Test Item	Unit	Demand Performance	Test Result		Judgement
1	Frequency Range	MHz	5150-5850	5150-5850		OK
2	Gain	dBi	6	5150	6.14	OK
				5500	6.32	OK
				5850	6.41	OK
3	Return loss	dB	≤ -10	5150	-14.8	OK
				5500	-18.6	OK
				5850	-14.7	OK

Directional diagram

Frequency	E Total. dB(dBi)	Efficiency (%)
5150MHz	6.31	72%
5200MHz	6.57	70%
5250MHz	6.53	68%
5300MHz	6.41	66%
5350MHz	6.37	70%
5400MHz	6.17	71%



b) Return loss test.

