

Manufacturer	Shenzhen Yingjiachuang Electronic Technology Co., Ltd.
Address	Building C, Hongyu Guangming Valley, No. 11 Youmagang Road, Matian Subdistrict, Guangming District, Shenzhen
Model	R10-V
Antenna type	Internal Antenna
Antenna Gain	3.49dBi for 2.4G

1.Test equipment and conditions:

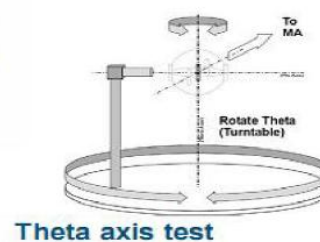
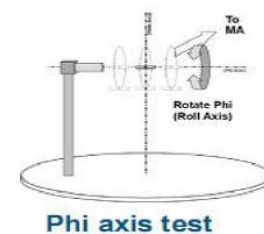
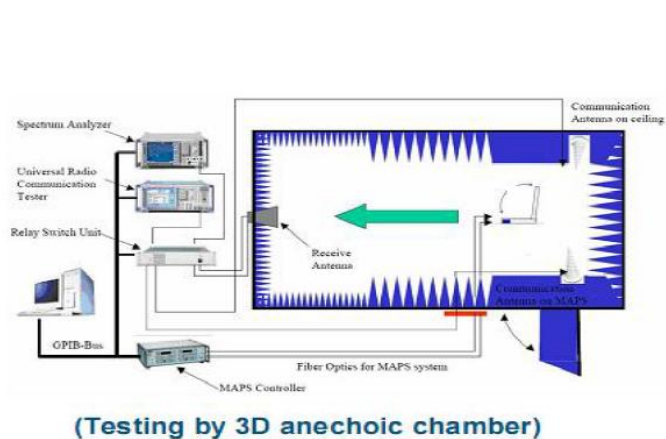
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

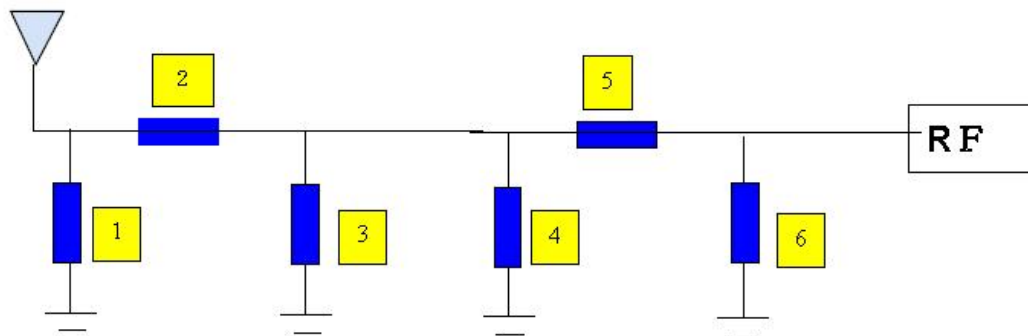
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

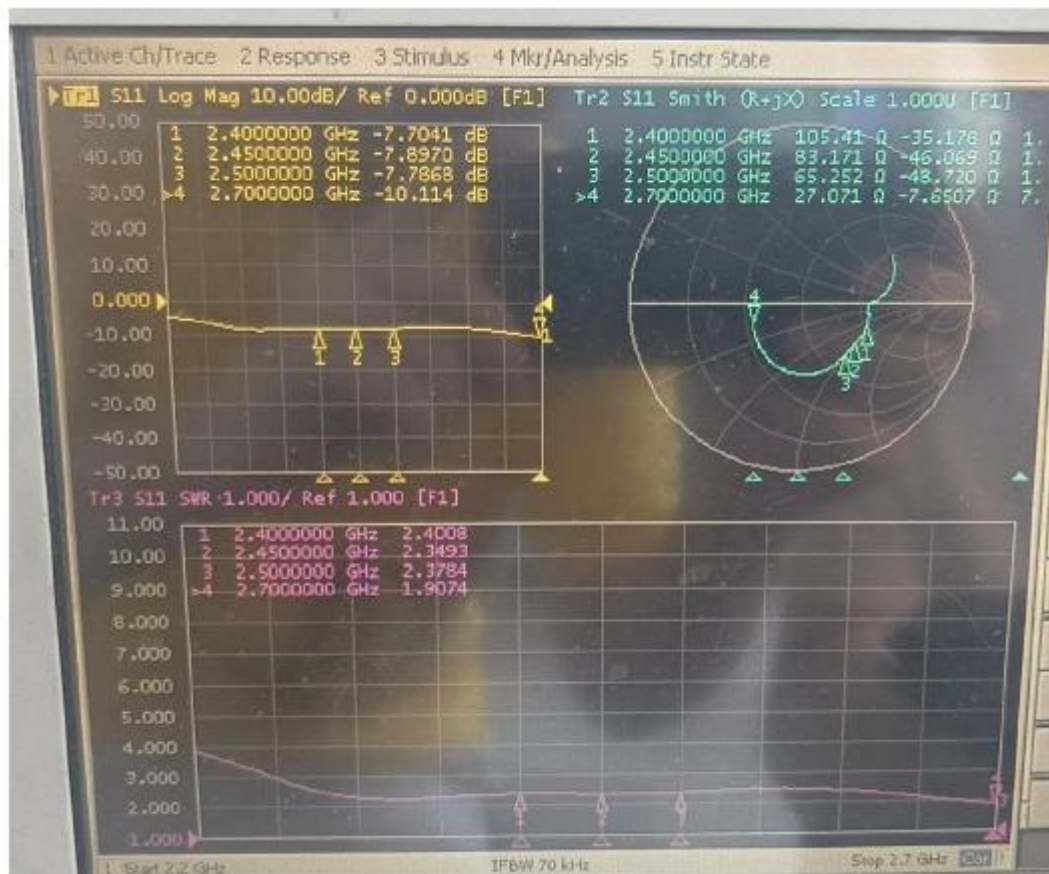


1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio

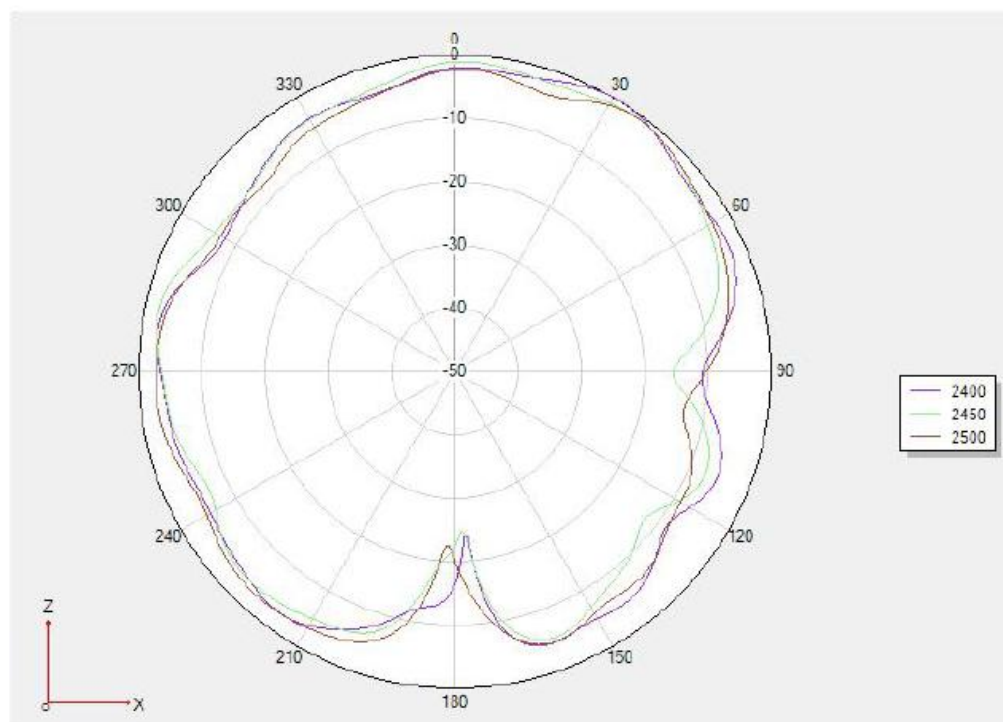


2.2.Efficiency

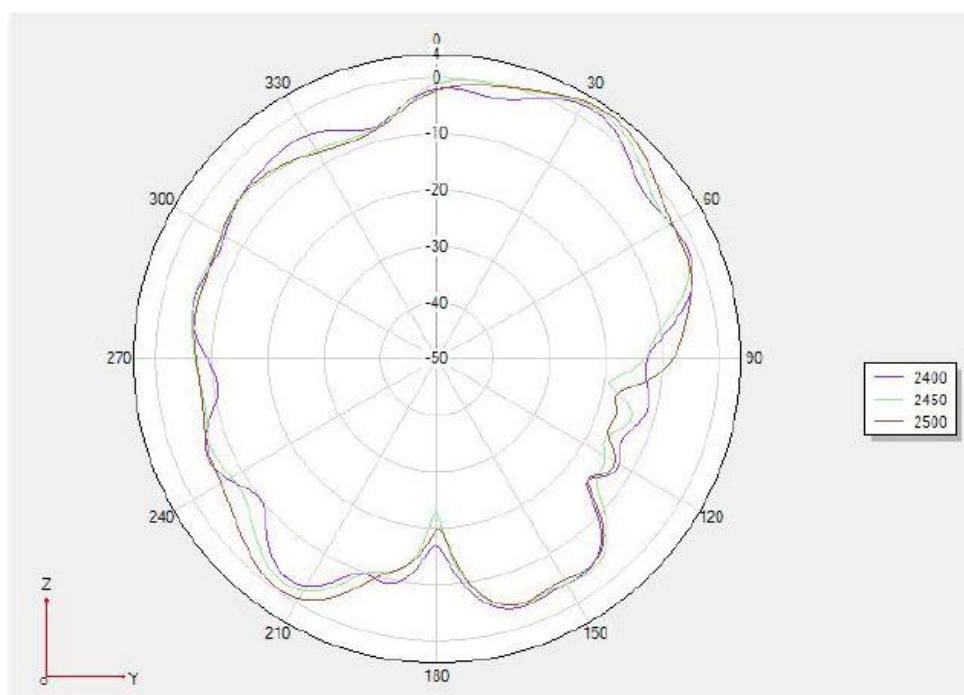
Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	28.44	2.11
2410MHz	30.13	2.75
2420MHz	28.51	2.21
2430MHz	31.55	3.39
2440MHz	28.84	2.48
2450MHz	30.55	2.71
2460MHz	28.84	2.74
2470MHz	29.17	3.23
2480MHz	28.51	2.46
2490MHz	33.96	3.49
2500MHz	33.50	3.05

2.3.Directivity diagram

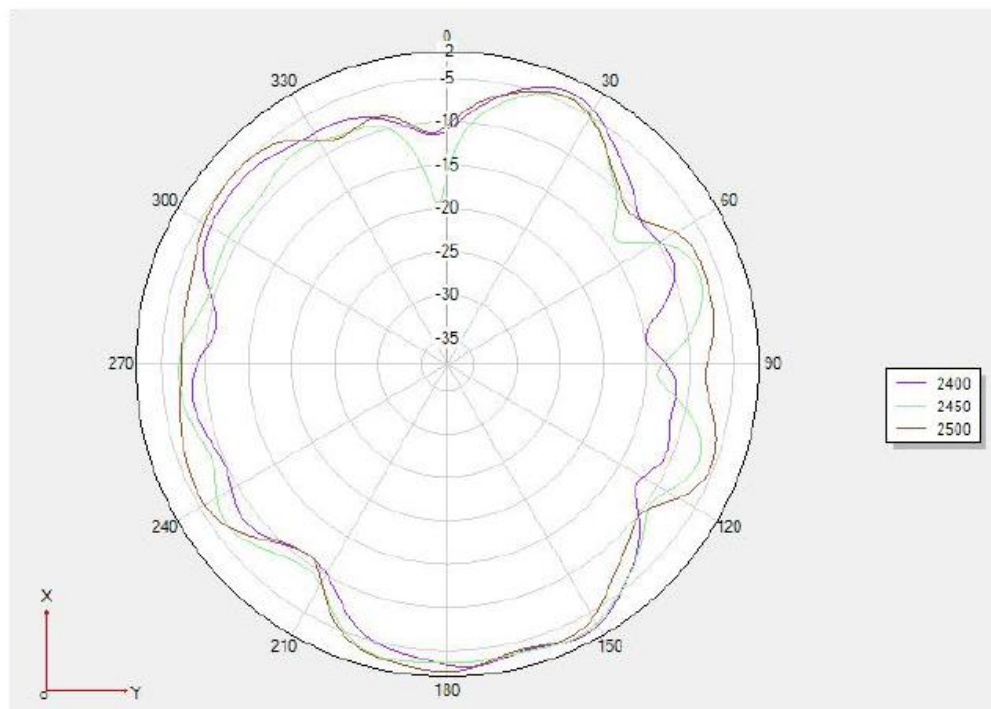
Phi 0 2D图



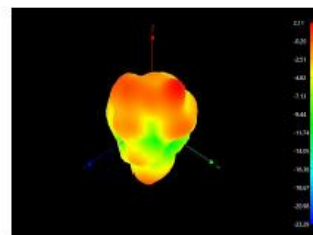
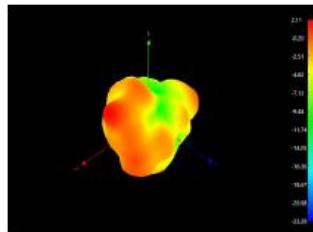
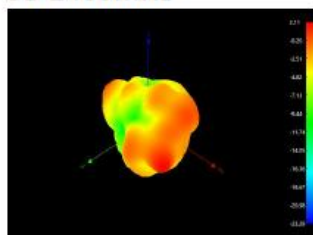
Phi 90 2D图



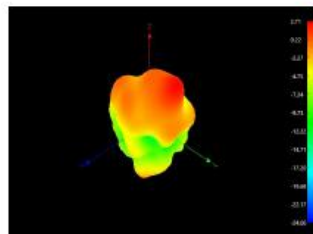
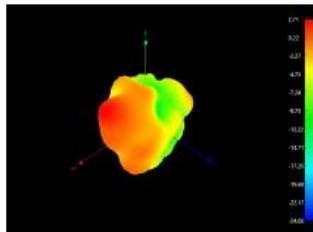
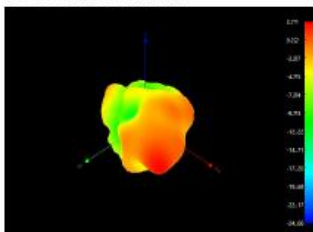
Theta 90 2D图



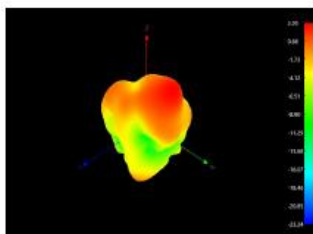
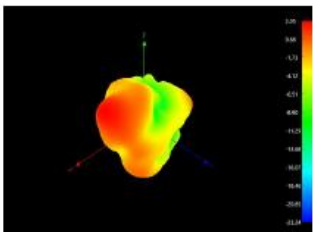
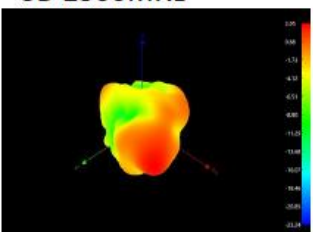
3D 2400MHz



3D 2450MHz

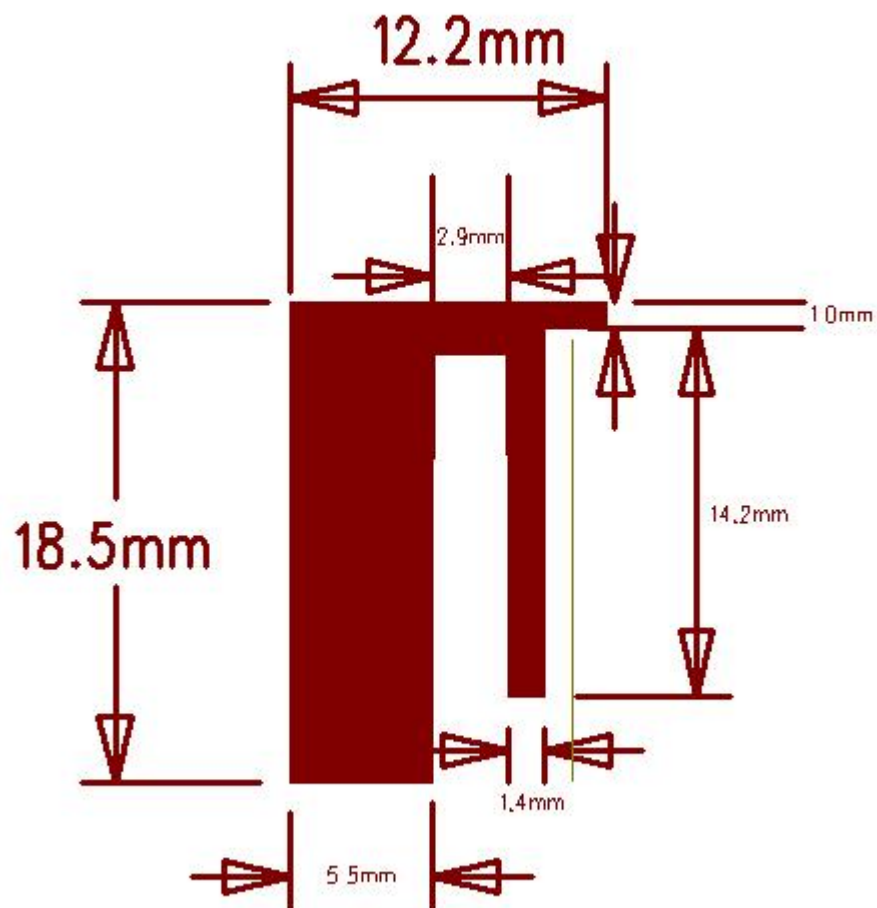


3D 2500MHz



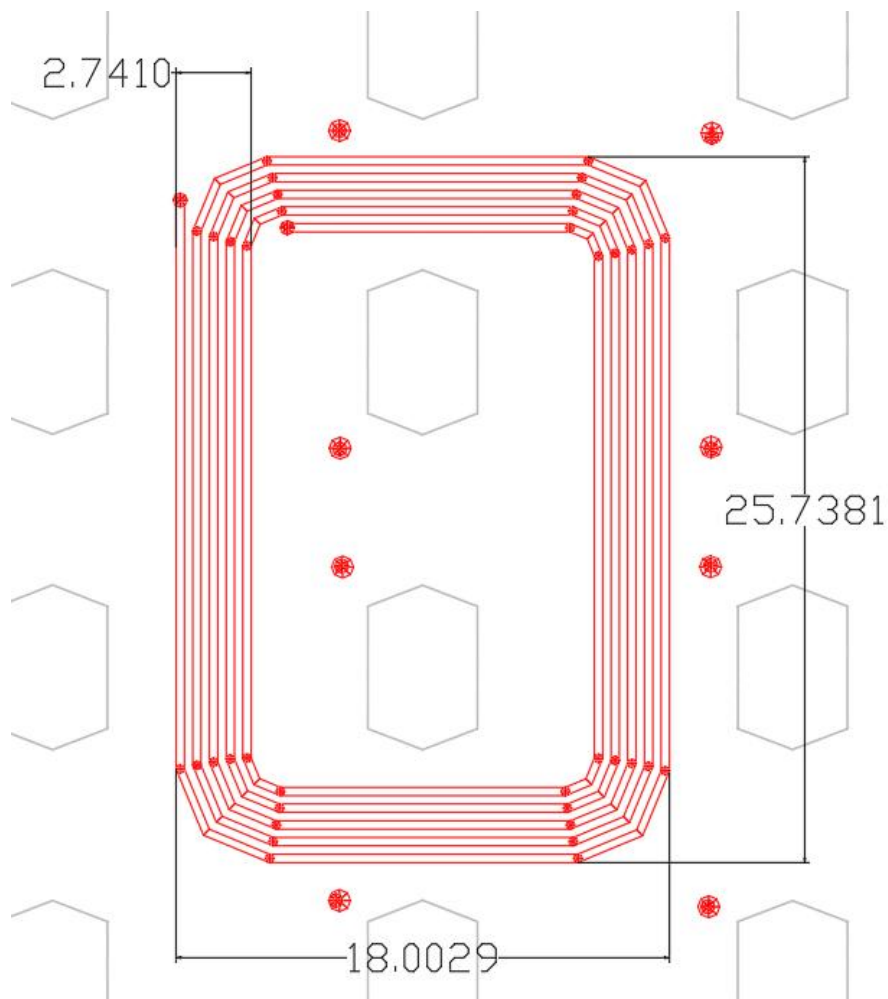
3. Antenna drawing (mm) :

BT&WIFI ANT



NFC ANT

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Antenna type	Internal Antenna
Antenna Gain	0dBi



We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.