

Manufacturer	Shanghai Jesoncom Communication Engineering Co., Ltd
Model	12I001P
Antenna type	External antenna
Antenna Gain	6.68dBi for 2.4G, 5.918dBi for 5G

1.Test equipment and conditions:

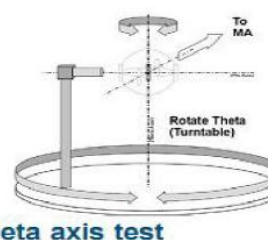
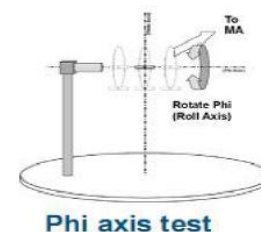
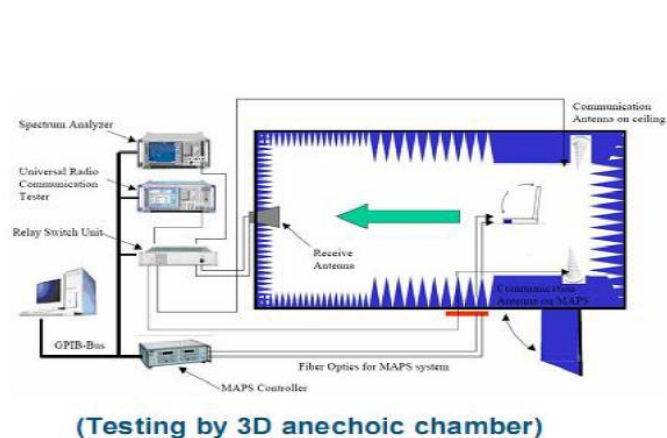
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

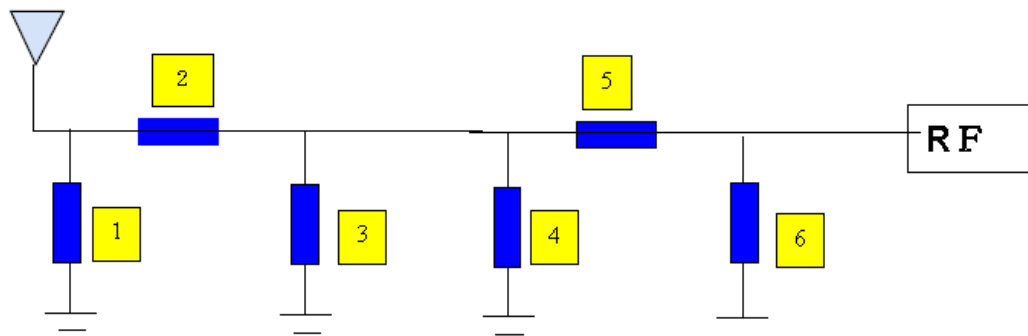
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

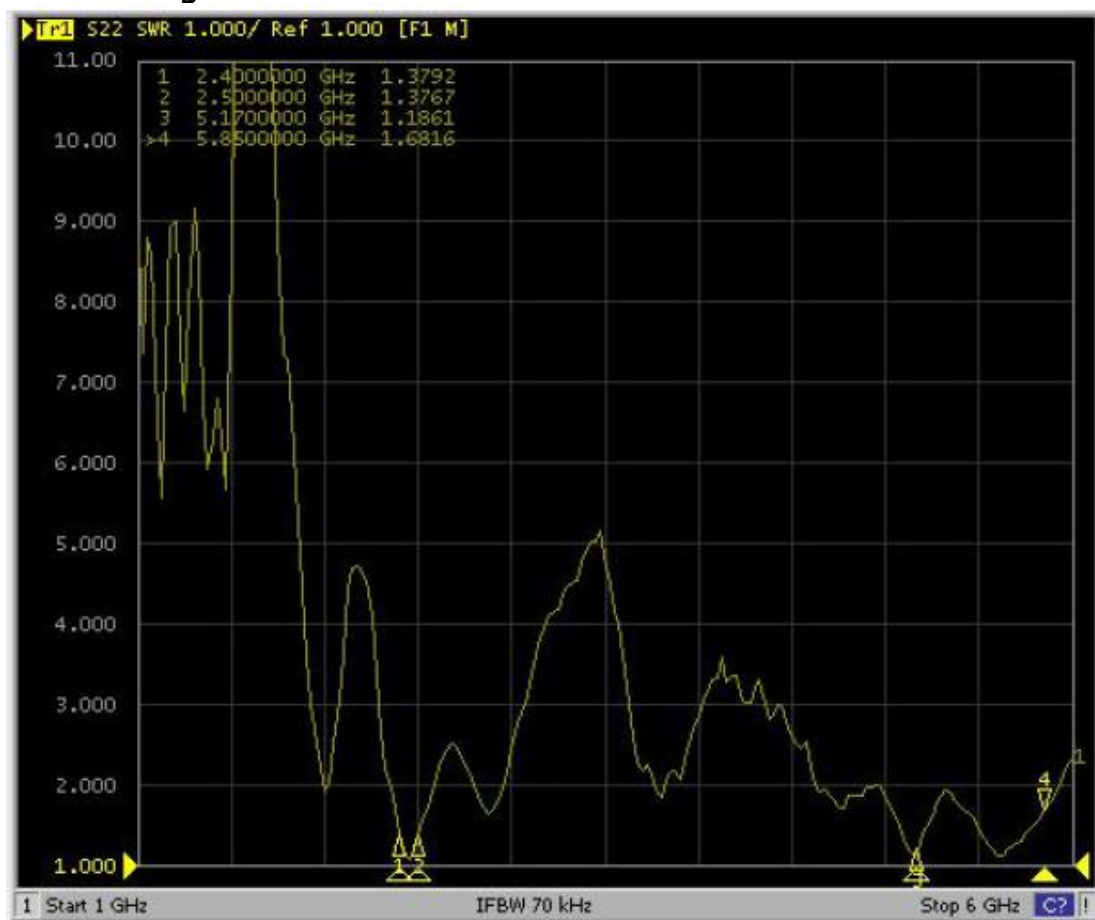


1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio

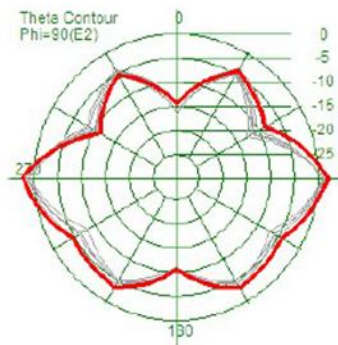
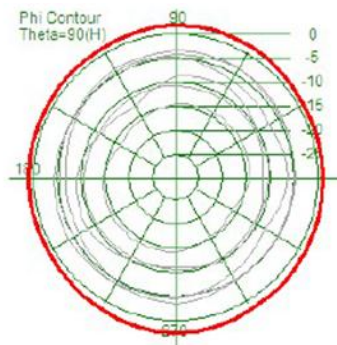
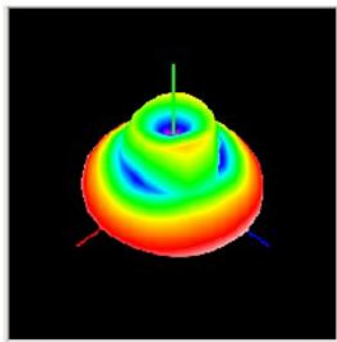


2.2.Efficiency

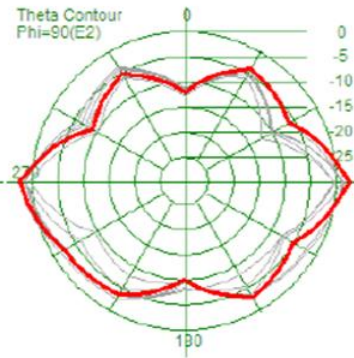
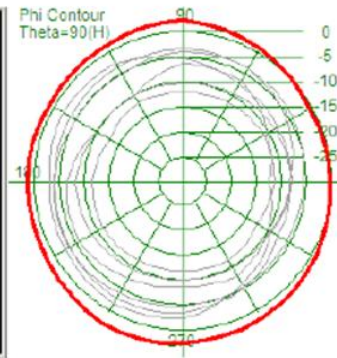
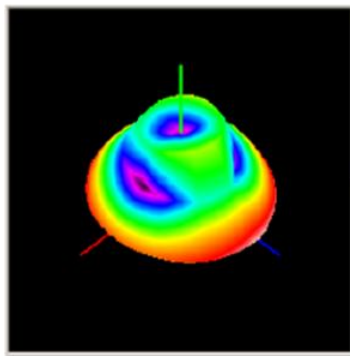
Frequency [Hz]	Efficiency	Max Gain [dBi]
2400000000	68%	5.380525871
2420000000	64%	6.104844028
2440000000	68%	6.494037973
2450000000	60%	6.677771295
2460000000	61%	6.620436201
2470000000	62%	6.679907754
2480000000	63%	6.607040959
2490000000	63%	6.458430147
2500000000	62%	6.625418294
5150000000	63%	5.402688621
5250000000	48%	4.786154772
5350000000	44%	5.767545708
5450000000	48%	4.483317873
5550000000	56%	4.95342769
5600000000	60%	5.644565785
5650000000	60%	5.910930346
5700000000	59%	5.393168534
5750000000	58%	4.972470815
5800000000	54%	4.834272089
5850000000	52%	5.503190634

2.3.Directivity diagram

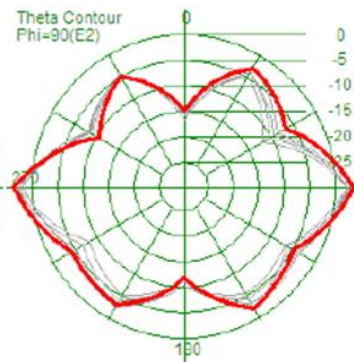
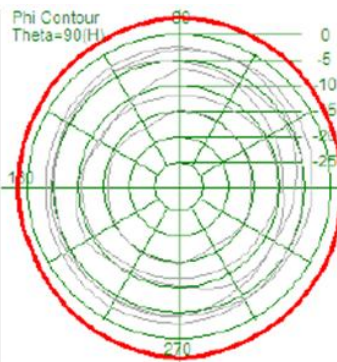
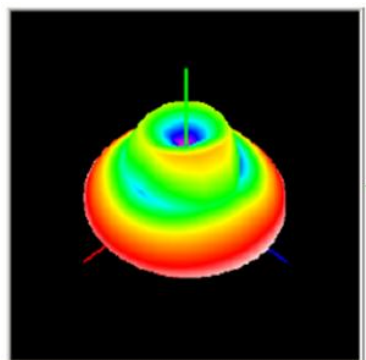
2400MHz



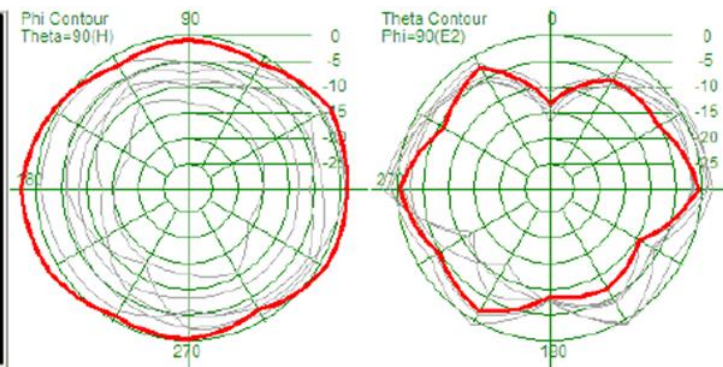
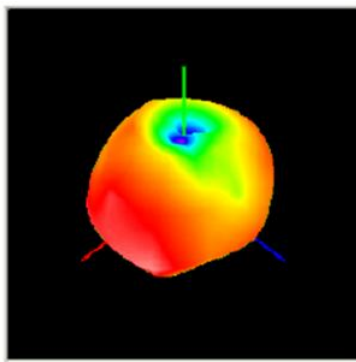
2450MHz



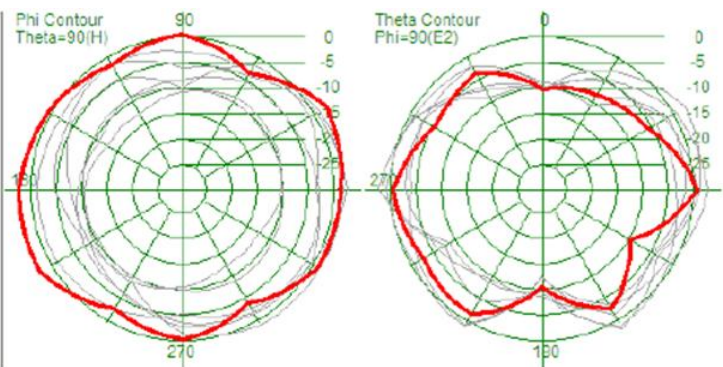
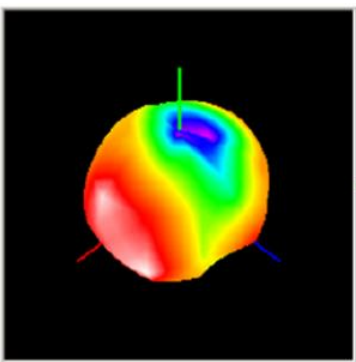
2500MHz



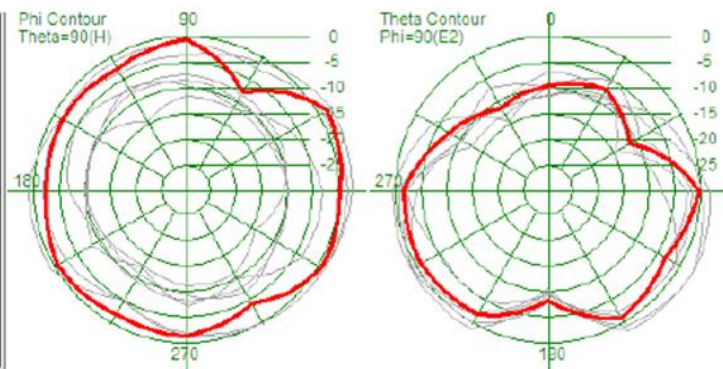
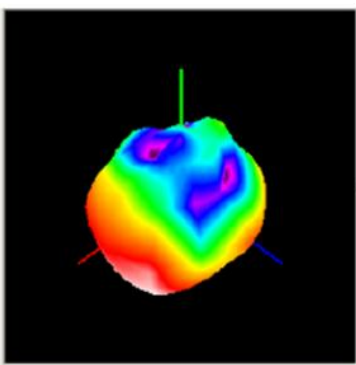
5150MHz



5350MHz



5825MHz



3. Antenna drawing(MM):

