

Manufacturer	TE CONNECTIVITY
Model	TRA6927M3
Antenna type	Dipole antenna
Antenna Gain	3.00dBi for 2.4G; 3.00dBi for 5G

1.Test equipment and conditions:

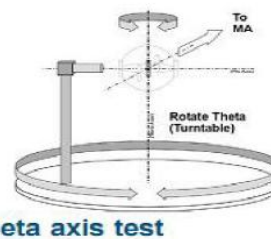
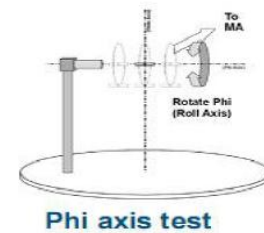
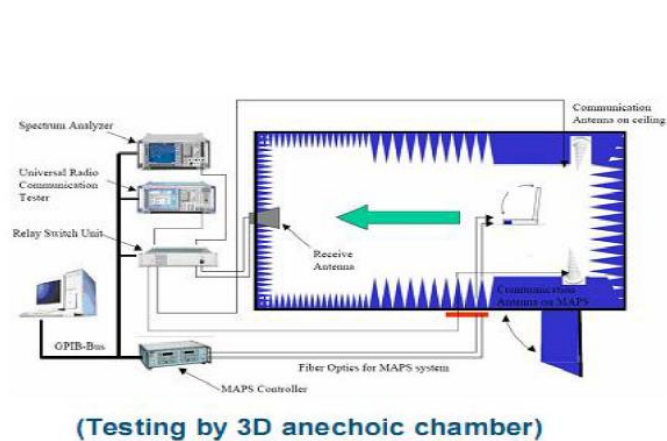
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

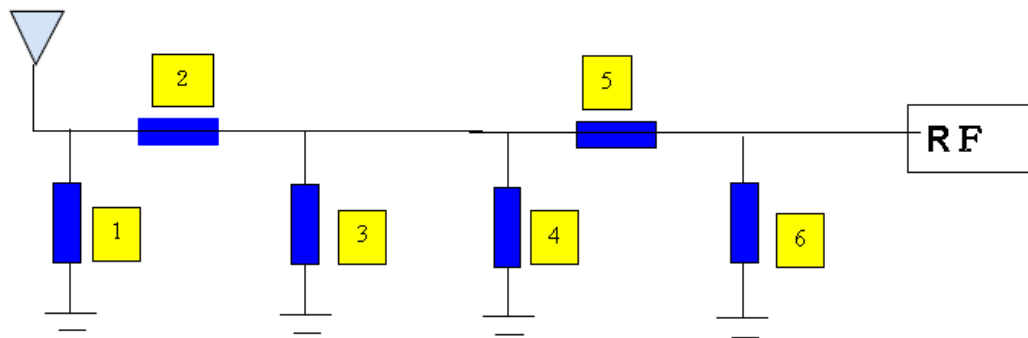
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

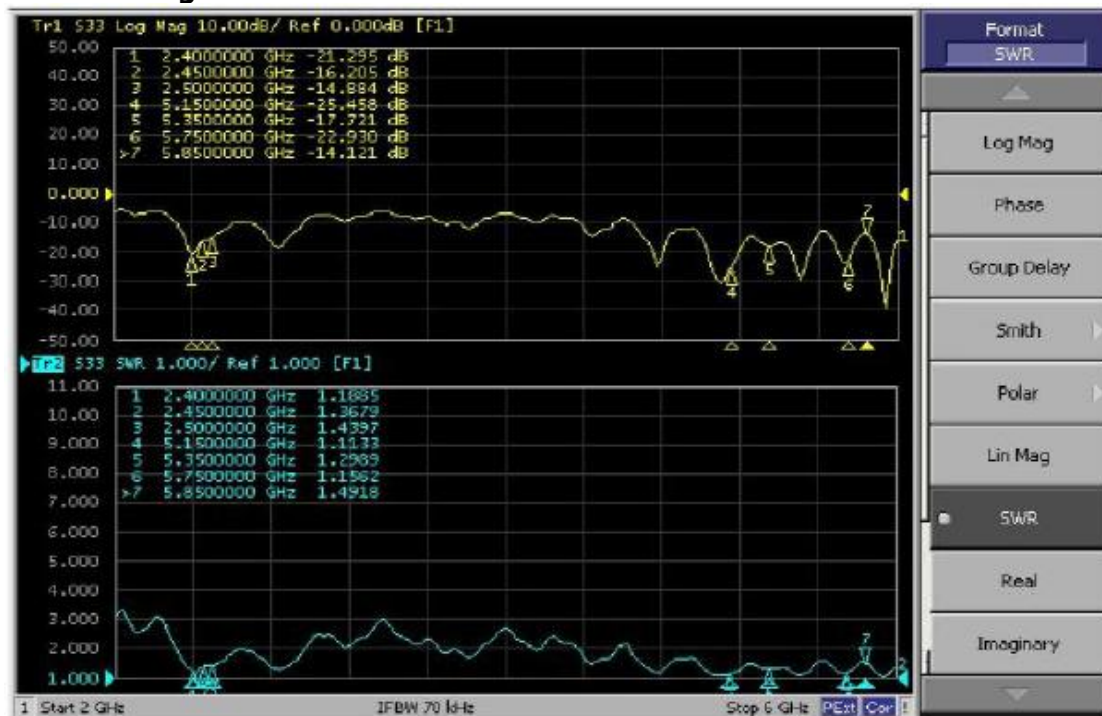


1.4. Matching circuit



2. Test Data:

2.1. Standing wave ratio



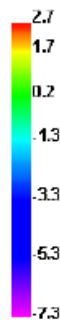
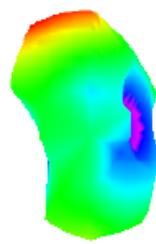
2.2.Efficiency

Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)
2400	44.38	-2.79	2.26
2410	44.63	-2.46	2.66
2420	44.94	-2.12	2.67
2430	44.27	-2.70	2.40
2440	44.75	-2.39	3.00
2450	44.82	-1.83	2.50
2460	44.28	-2.63	2.13
2470	44.49	-2.34	2.44
2480	45.08	-2.23	2.00
2490	44.21	-2.68	2.25
2500	44.46	-2.32	2.61

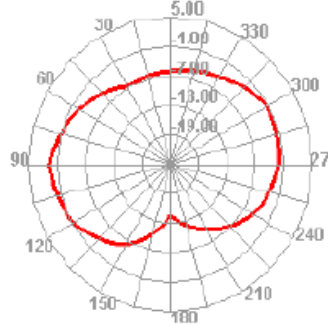
Fred (MHz)	Effi (%)	Effi (%)	Gain (dBi)
4900	60.30	-0.78	2.23
5000	60.53	-0.44	2.00
5100	60.61	-0.25	2.80
5200	60.27	-0.69	2.34
5300	60.49	-0.35	2.48
5400	60.96	-0.35	2.08
5500	60.30	-0.75	2.31
5600	60.73	-0.58	2.53
5700	60.76	0.16	2.78
5800	60.21	-0.63	3.00
5900	60.47	-0.28	2.41

2.3.Directivity diagram

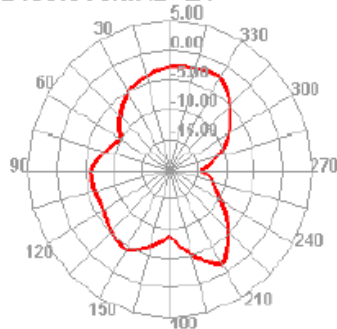
2400.000MHz



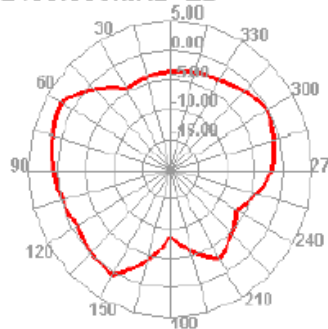
2400.000MHz H



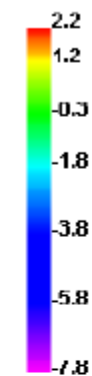
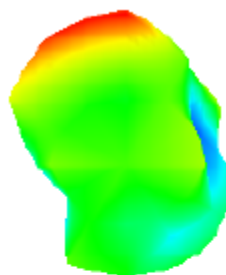
2400.000MHz E1



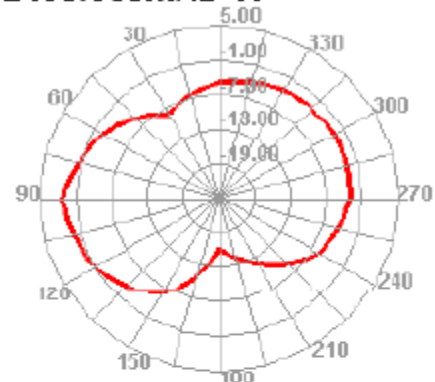
2400.000MHz E2



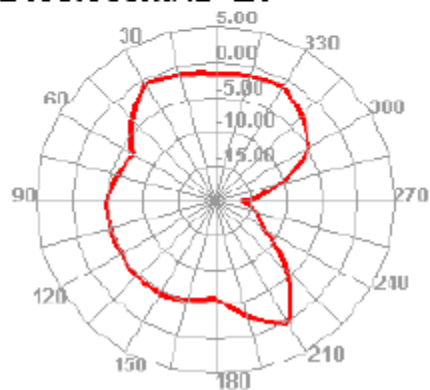
2450.000MHz



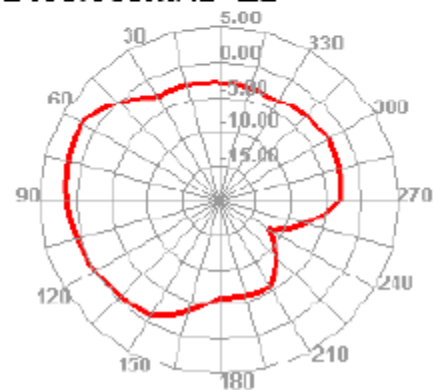
2450.000MHz H



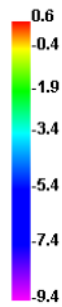
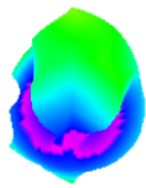
2450.000MHz E1



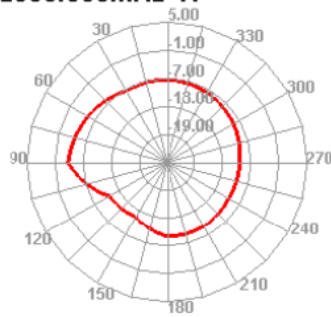
2450.000MHz E2



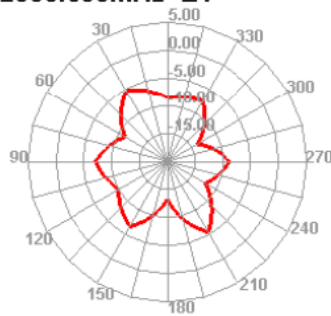
2500.000MHz



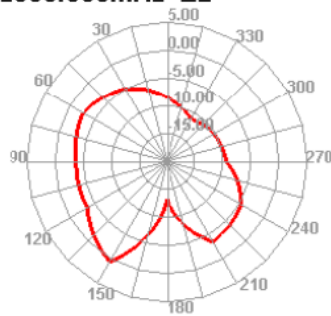
2500.000MHz H



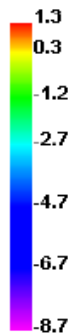
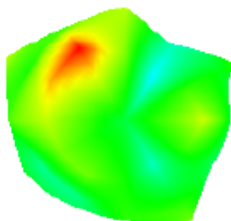
2500.000MHz E1



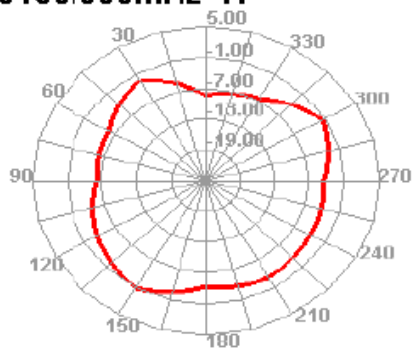
2500.000MHz E2



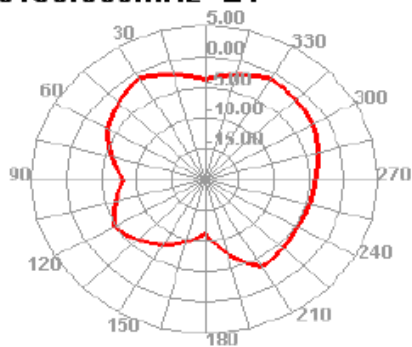
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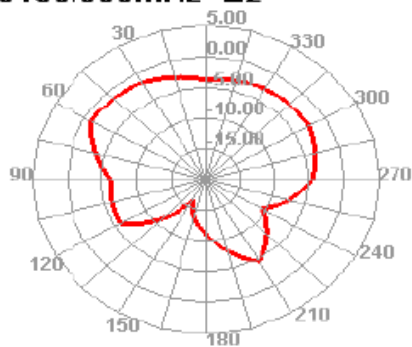
5150.000MHz H



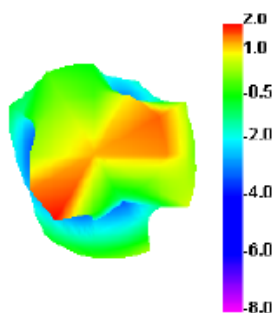
5150.000MHz E1



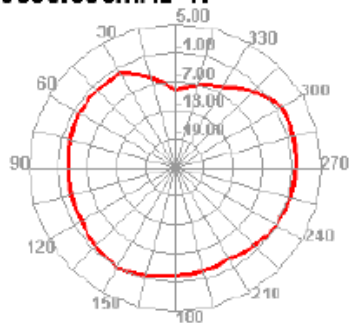
5150.000MHz E2



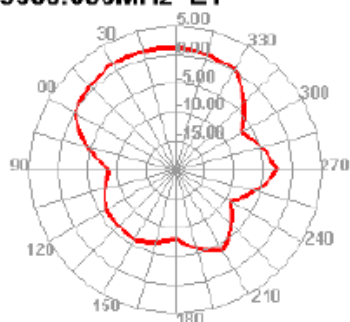
5500.000MHz



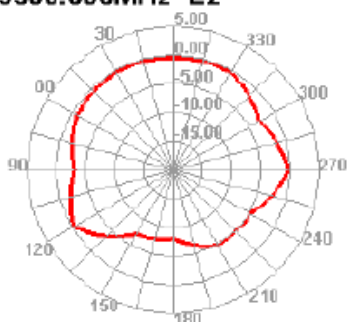
5500.000MHz H



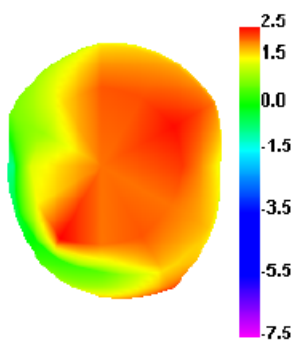
5500.000MHz E1



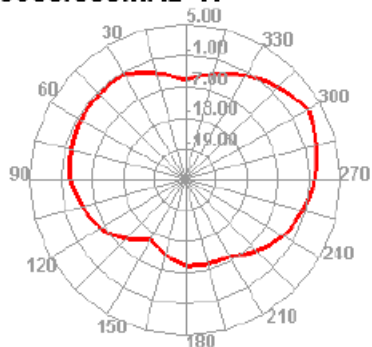
5500.000MHz E2



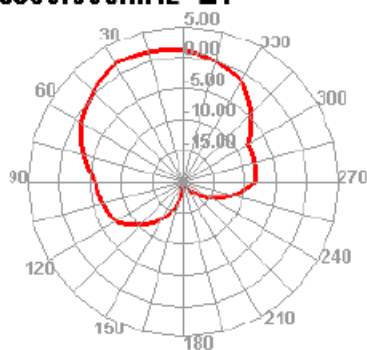
5850.000MHz



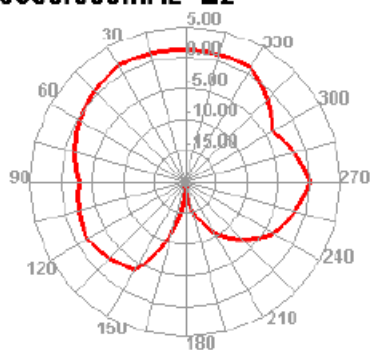
5850.000MHz H



5850.000MHz E1



5850.000MHz E2



3. Antenna drawing (mm) :

