

Manufacturer	Shenzhen ANT Communication Technology Co., LTD
Add:	701, Building A, TongFuhan Haida Industrial Park, No. 10, Jiangfu Road, Xinzhuang Community, Ma Tian Street, Guangming New District, Shenzhen
Model:	SK2458D3B01A
Antenna type	fibre-glass epoxy antenna
Antenna Gain	2.68dBi for 2.4G, 3.14dBi for 5G

1.Test equipment and conditions:

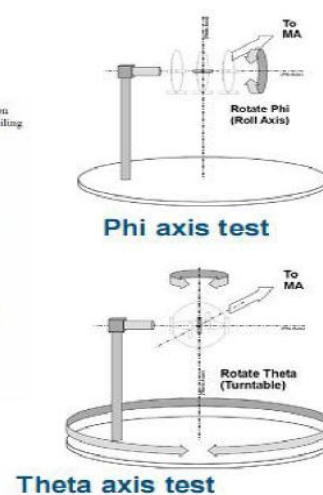
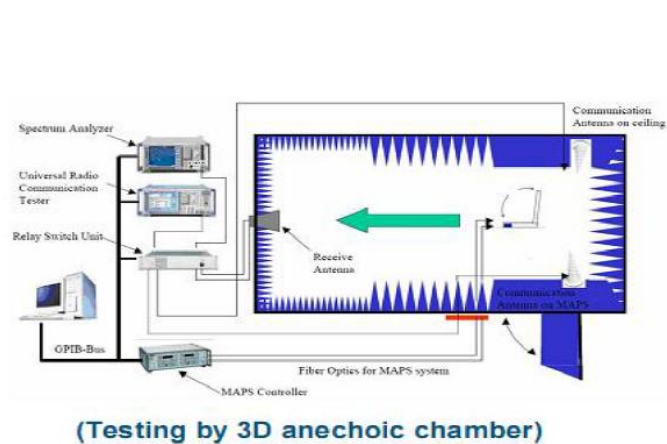
1.1.Network Analyzer

Agilent 8753D Agilent 5071B

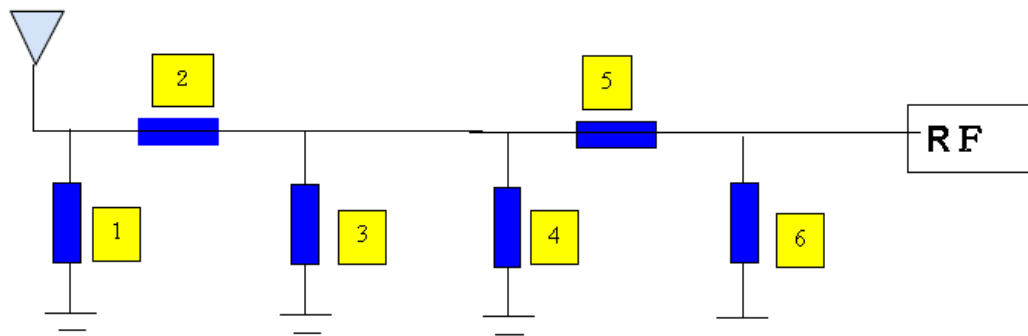
1.2.Communication test equipment

Agilent E5515C R&S CMW500

1.3.Test system

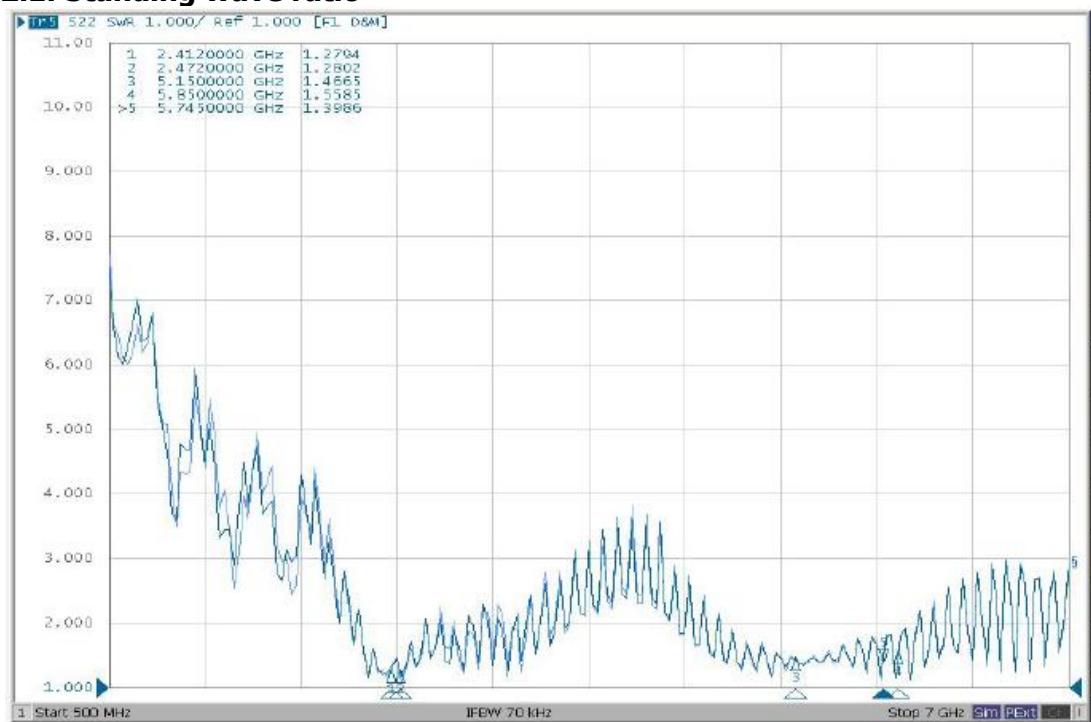


1.4. Matching circuit



2. Test Data:

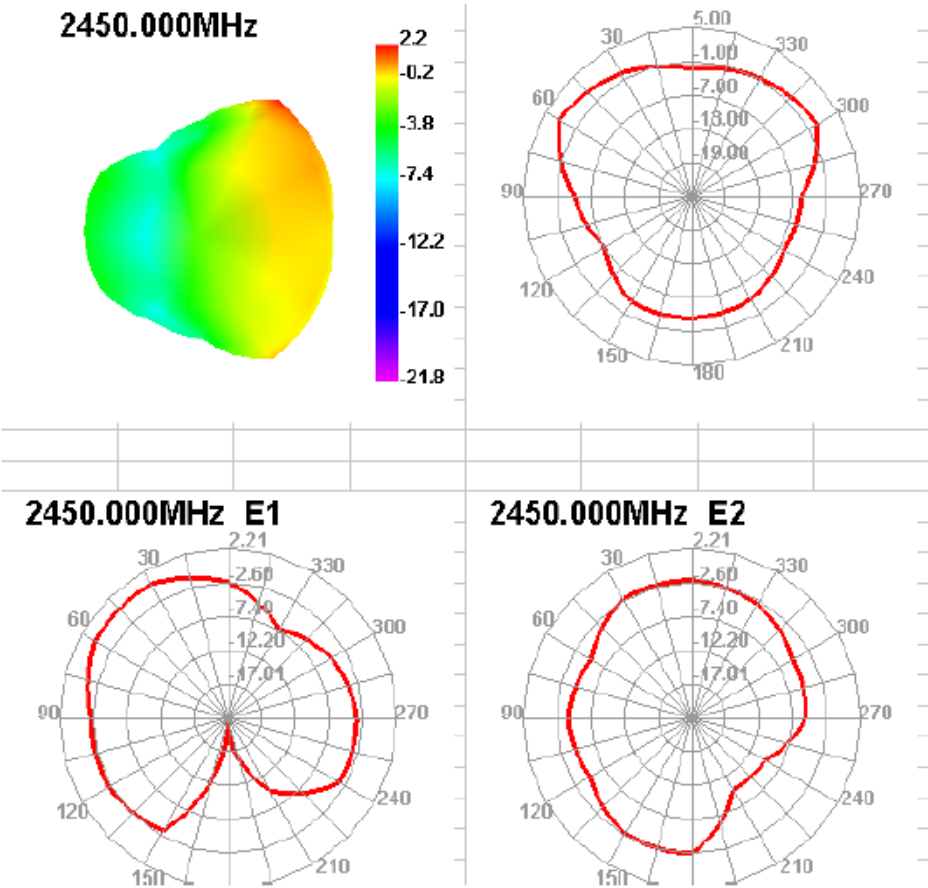
2.1. Standing wave ratio



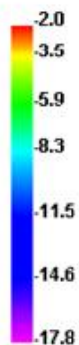
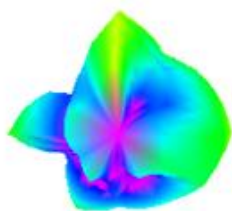
2.2.Efficiency

Frequency/Mhz	Efficiency/dB	Efficiency	MaxGain/dBi		Frequency/Mhz	Efficiency/dB	Efficiency	MaxGain/dBi
2400	-2.68	54.0%	1.75		5150	-2.60	55.0%	1.82
2410	-2.61	54.9%	1.36		5200	-2.30	58.9%	2.22
2420	-2.90	51.3%	2.2		5250	-2.45	56.9%	2.34
2430	-2.61	54.8%	1.66		5300	-3.04	49.7%	2.24
2440	-2.82	52.2%	2.17		5350	-2.53	55.9%	2.62
2450	-2.99	50.3%	1.84		5400	-2.76	53.0%	2.86
2460	-3.10	49.0%	2.05		5450	-3.15	48.4%	3
2470	-2.87	51.7%	2.68		5500	-3.49	44.8%	3.09
2480	-3.06	49.5%	2.12		5550	-2.88	51.5%	1.76
2490	-2.94	50.9%	2.56		5600	-3.21	47.8%	2.5
2500	-3.25	47.4%	2		5650	-3.55	44.2%	3.12
					5700	-2.35	58.2%	3.11
					5750	-2.70	53.7%	3.14
					5800	-3.42	45.5%	2.82
					5850	-2.57	55.3%	2.24

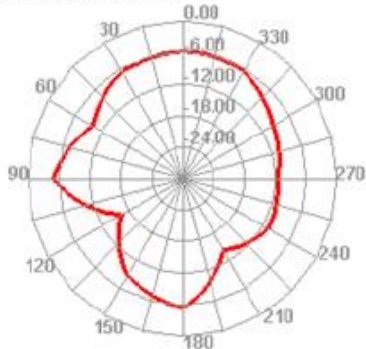
2.3.Directivity diagram



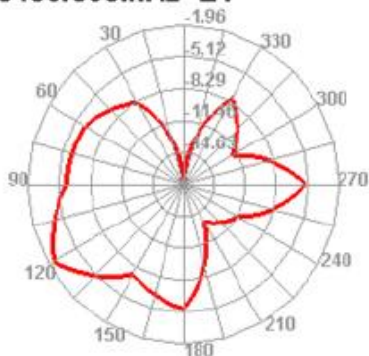
5400.000MHz



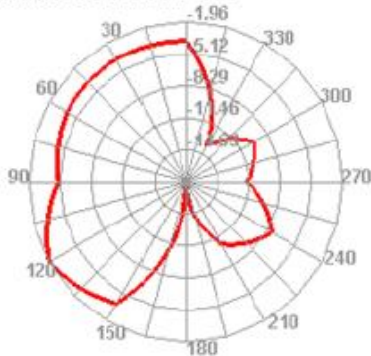
5400.000MHz H



5400.000MHz E1



5400.000MHz E2



3.Antenna drawing:

