

天线报告

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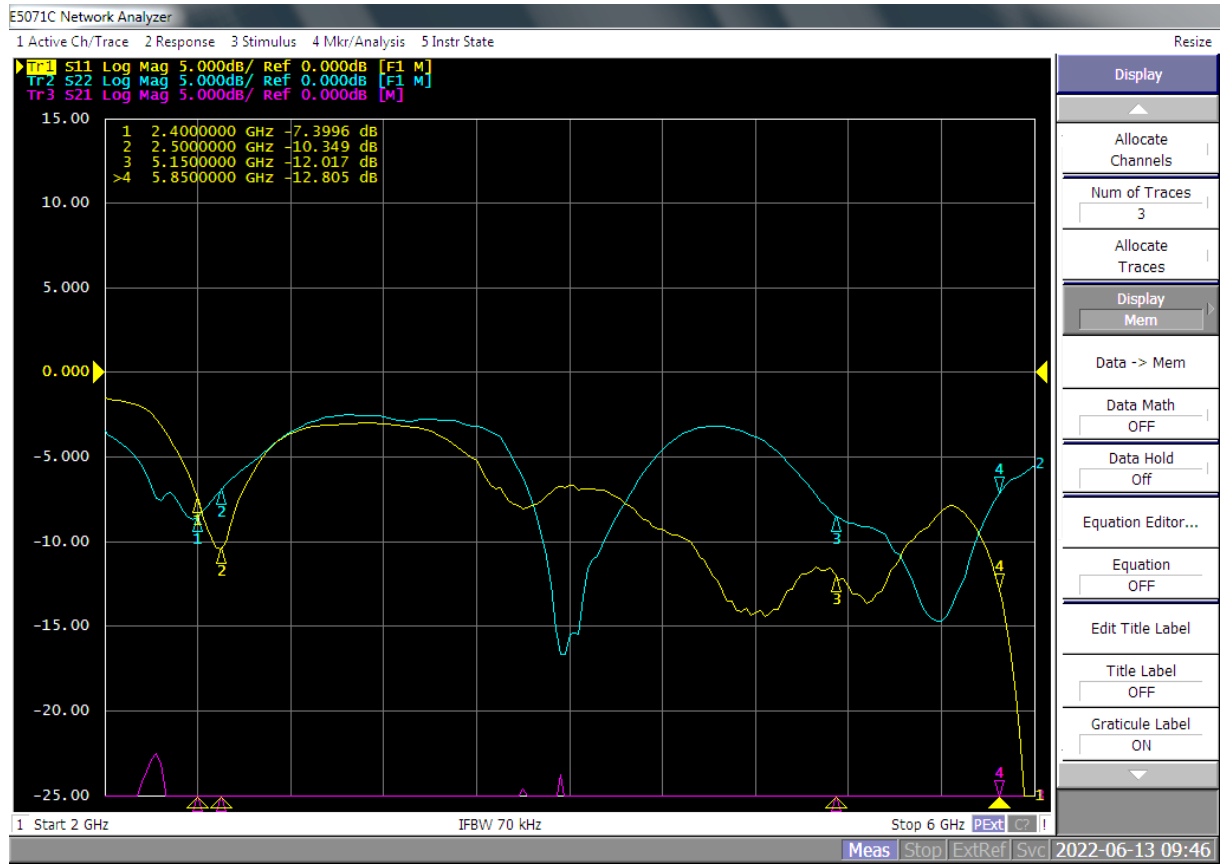
1、天线参数（必须项）：

Antenna specification

Item	Specification
Operating Frequency(GHz)	2.4-2.5,5.15-5.85
Bandwidth	2.4GHz:100MHz(Min.),5GHz:700MHz(Min.)
Return Loss	5dB(Min.)
Polarization	Linear
Azimuth Bandwidth	Omni-directional
Peak Gain	4dBi(Max)
Impedance	50 Ω
Material	FR4
Maximum power	1W
V.S.W.R	3:1
Radiation	Omni directional
Efficiency	> 25%
Operating Temperature	-40~85℃
Storage temp	-40~85℃

2、S 参数：回损

S-parameter



Frequency(MHz)	2400	2500	5150	5850
dB	-7.39	-10.34	-12.01	-12.8

3、测试架设图

Chamber Measurement Photo

4、天线增益（必须项），能效 的测试数据

3D Gain Total

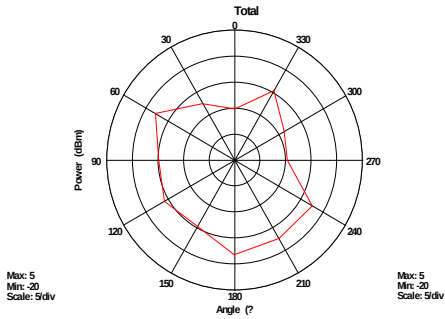
Frequency(GHz)	Gain(dBi)	3D-avgGain(dBi)	Efficiency
2.40	-0.2	-4.9	32.7
2.42	-0.1	-4.6	35.1
2.44	0.1	-4.2	38.3
2.45	0.1	-4.0	39.7
2.485	-0.6	-4.5	35.7
2.5	-0.7	-4.5	35.2
5.15	3.7	-2.9	50.8
5.25	3.5	-3.4	45.5
5.35	3.5	-2.7	53.4
5.45	3.9	-2.5	56.2
5.55	3.7	-2.7	54.0
5.65	3.8	-2.7	53.6
5.75	4.0	-2.6	55.4
5.85	4.0	-2.9	51.3

5、方向图（必须项）

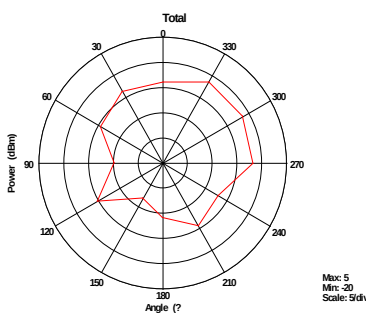
Antenna Pattern

Frequency:2400MHz

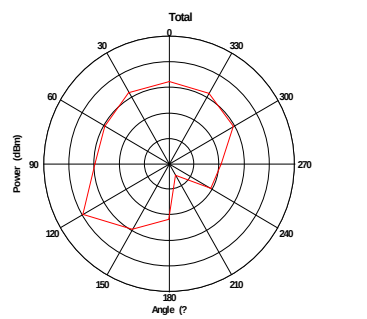
XY-plane



XZ-plane

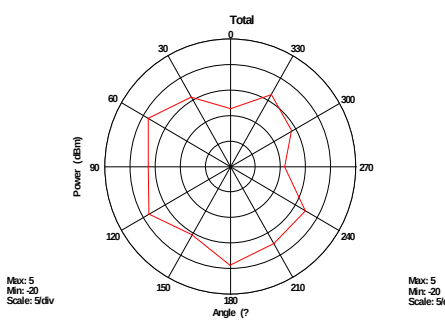


YZ-plane

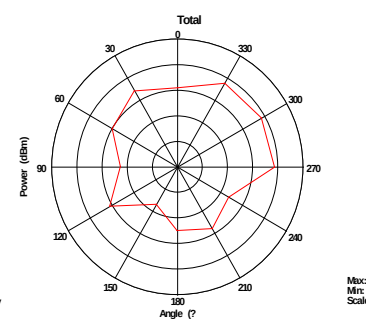


Frequency:2450MHz

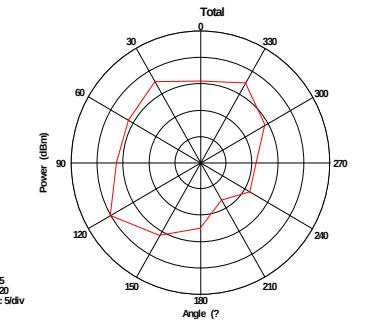
XY-plane



XZ-plane

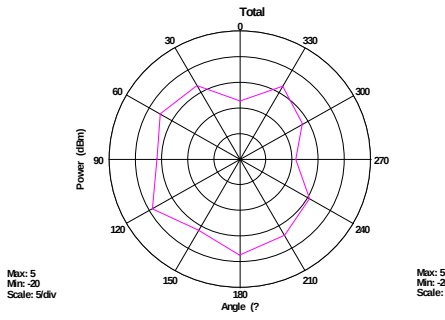


YZ-plane

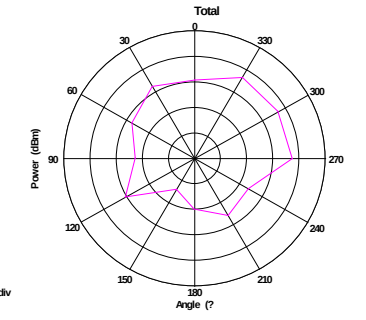


Frequency:2500MHz

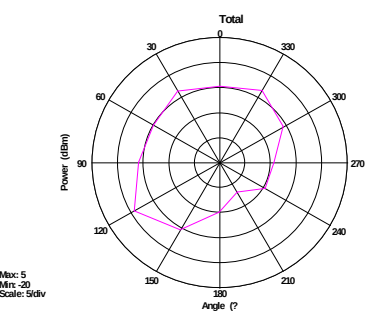
XY-plane



XZ-plane

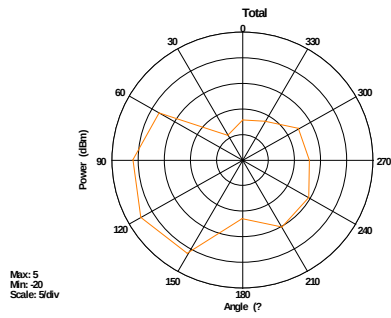


YZ-plane

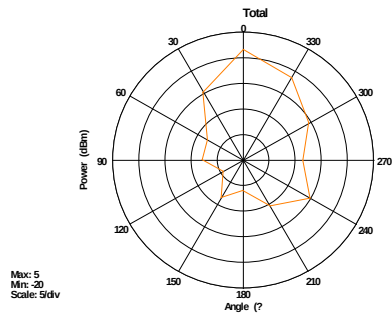


Frequency:5150MHz

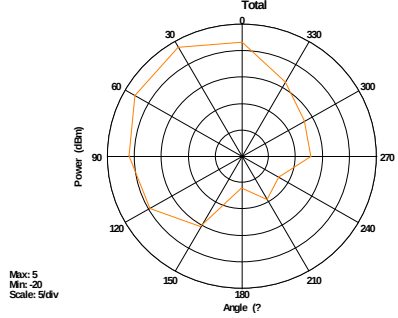
XY-plane



XZ-plane

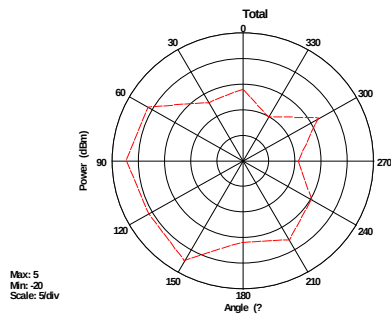


YZ-plane

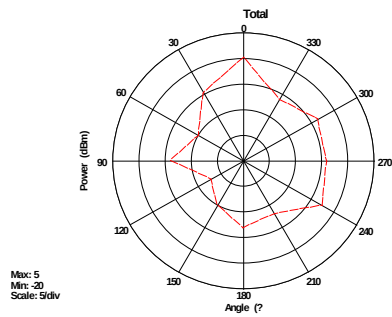


Frequency:5550MHz

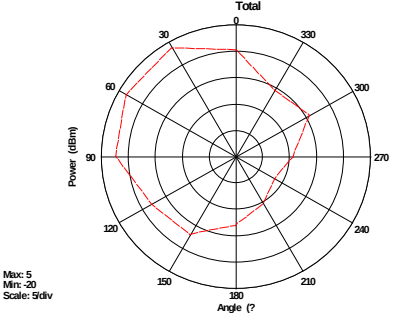
XY-plane



XZ-plane

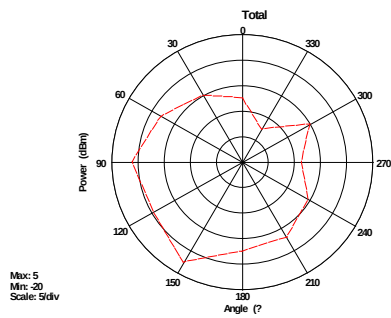


YZ-plane

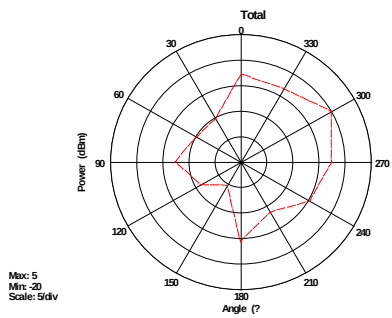


Frequency:5850MHz

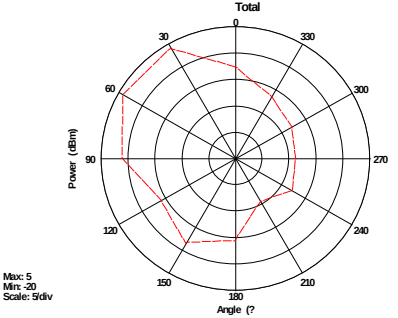
XY-plane



XZ-plane



YZ-plane



6、天线照片（标出天线位置），天线尺寸（必须项）

<Antenna area>

Antenna Dimensions