

天线报告

Yanfeng Visteon(Chongqing) Automotive Electronics Co., Ltd
No.8, Gang'an 2nd Road, Jiangbei District, Chongqing, P.R.China

1、天线参数（必须项）：

Antenna specification

Item	Specification
Operating Frequency(GHz)	2.4-2.485
Bandwidth	2.4GHz:85MHz(Min.)
Return Loss	5dB(Min.)
Polarization	Linear
Azimuth Bandwidth	Omni-directional
Peak Gain	3.99dBi(Max)
Impedance	50 Ω
Material	FR4
Maximum power	1W
V.S.W.R	1.6:1
Radiation	Omni directional
Efficiency	>60%
Operating Temperature	-40~85℃
Storage temp	-40~85℃

2、S 参数：回损

S-parameter



Frequency(MHz)	2400	2450	2485
dB	-16	-12.4	-13.2

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

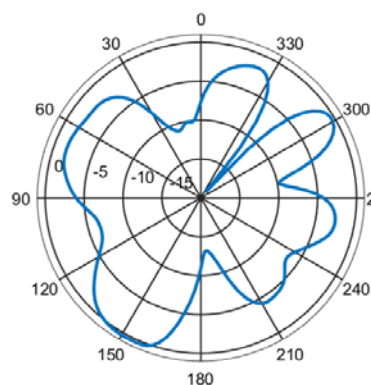
Frequency(GHz)	Gain(dBi)	3D-avgGain(dBi)	Efficiency
2.40	3.99	-2.05	63.7
2.42	3.90	-1.98	65.0
2.44	3.68	-1.94	65.3
2.45	3.76	-1.94	64.9
2.485	3.85	-1.85	65.1

5、方向图（必须项）

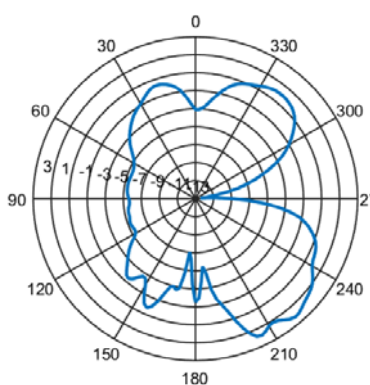
Antenna Pattern

Frequency:2400MHz

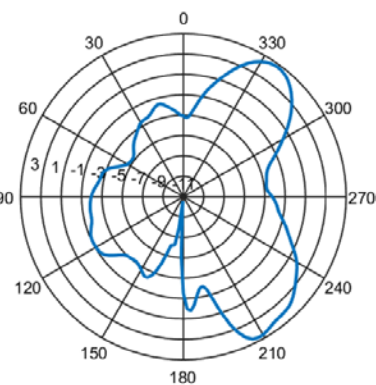
XY-plane



XZ-plane

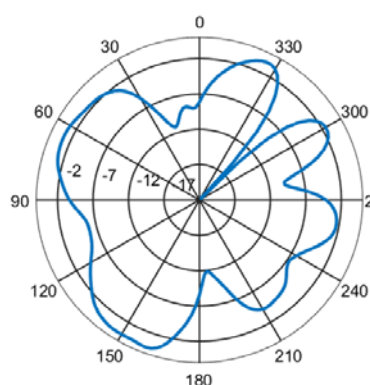


YZ-plane

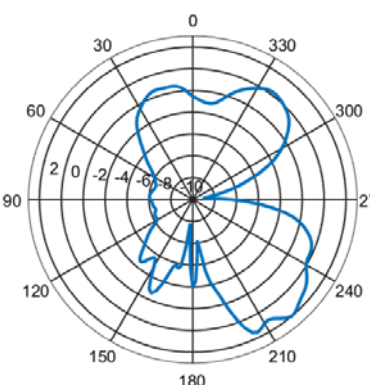


Frequency:2450MHz

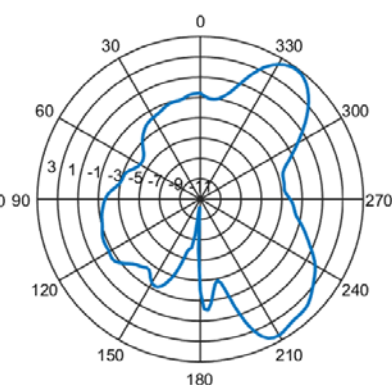
XY-plane



XZ-plane

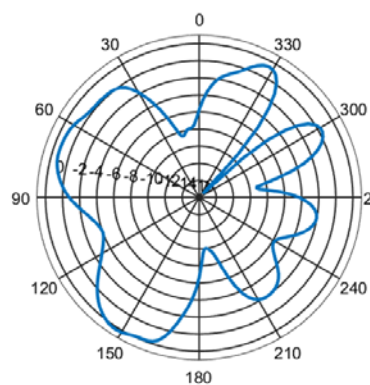


YZ-plane

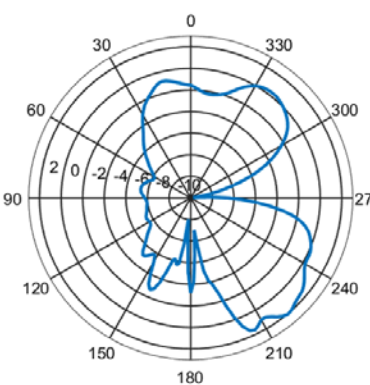


Frequency:2485MHz

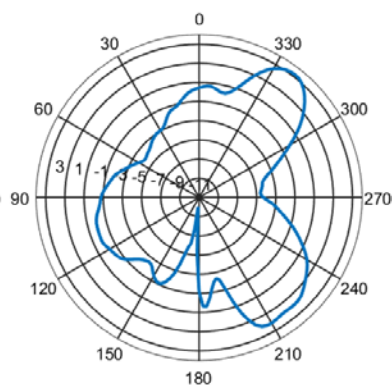
XY-plane



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