Product Datasheet

CW-WZ-0171

2.4G/5.8G External Antenna

Key Features

Frequency:2400-2500MHZ/5150-5850MHZ
SMA Connector
Dimensions:394*13mm

Band (MHz)	
Frequency (MHz)	2400-2500MHZ/5150-5850MHZ
VSWR	≤2.0/4.0
Efficiency (%)	95.90%/75.44%
Peak Gain (dBi)	9.26/4.34
Impendance (Ohm)	50

1. Antenna Electrical Characteristics

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Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA

2. Material and environmental characteristics

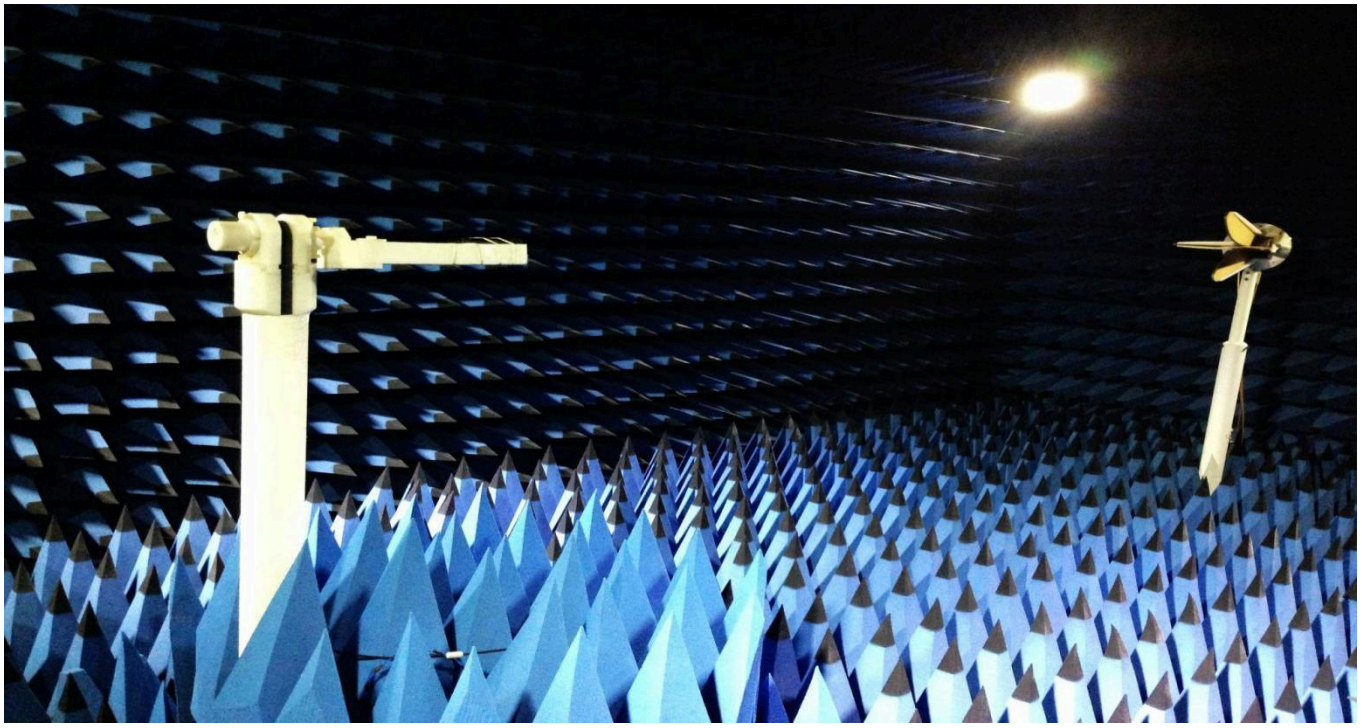
External structure	ABS+(PC+PBT)
Inner structure	Signal tube +Signal lever
Cable Type	RG178
Connector Type	SMA
Dimensions (mm)	394*13 MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS

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4. Antenna test parameters

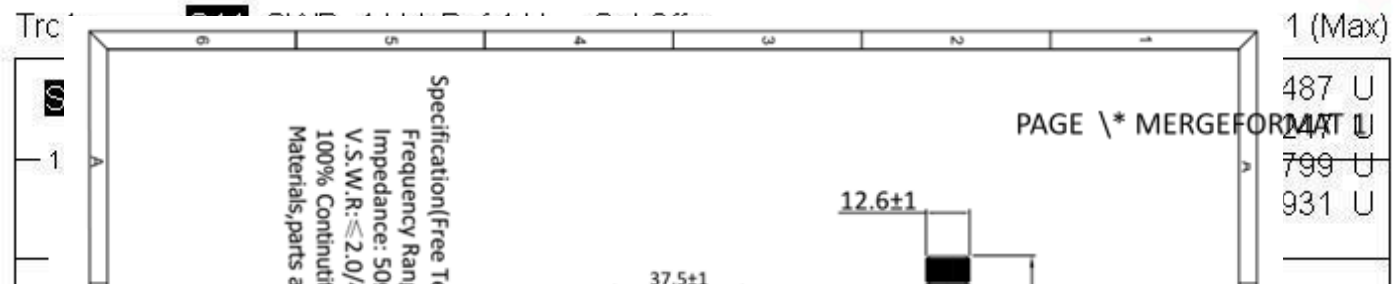
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm
Measured in Certified 3D Anechoic Chamber
The network analyzer is Agilent 5071c
The comprehensive tester is Agilent cmv500





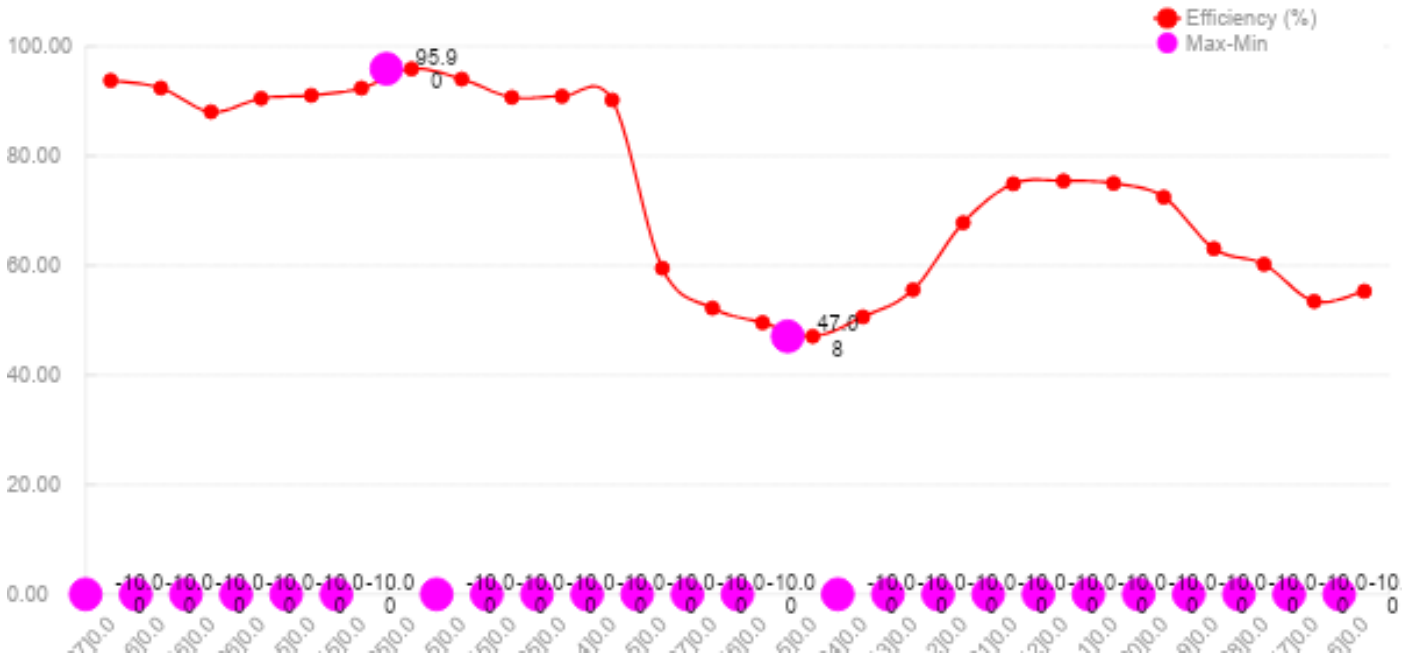




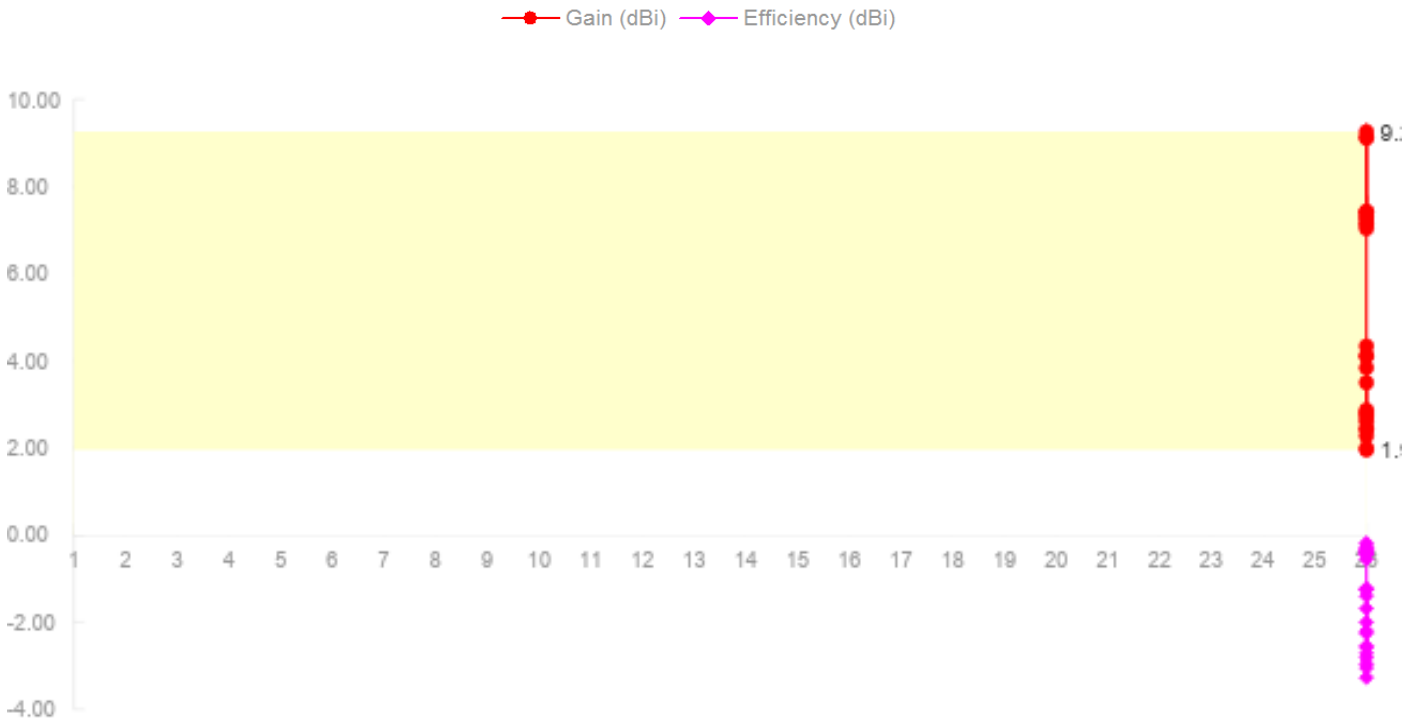
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4.2 Efficiency

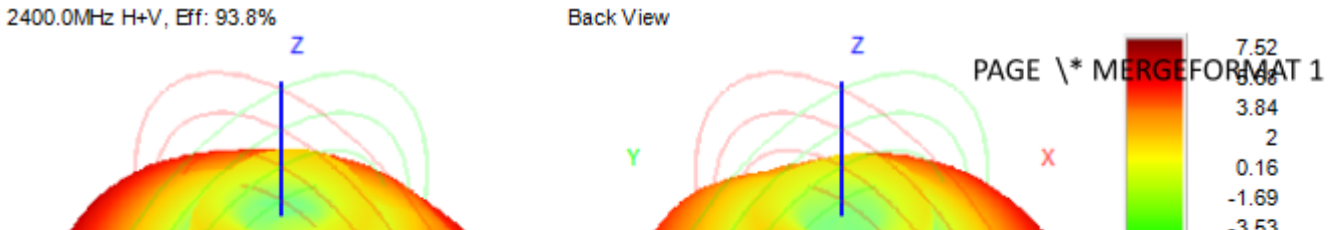
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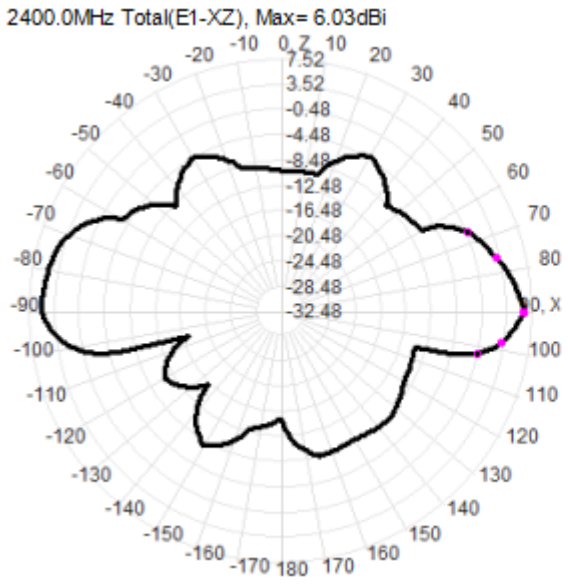
4.3 Peak gain

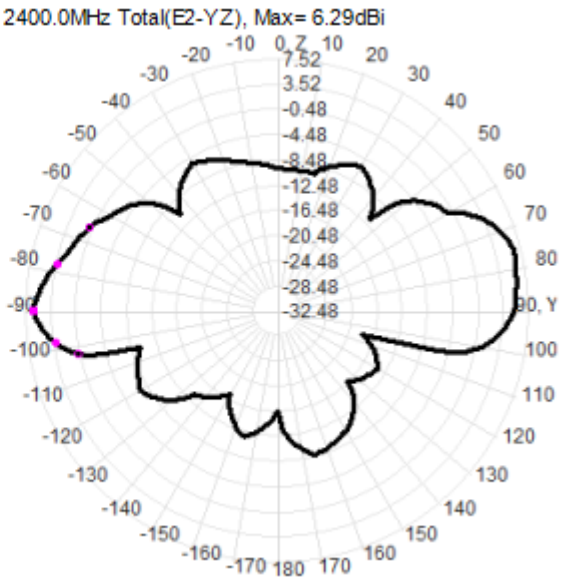


4.4 3D&2D Radiation Patterns

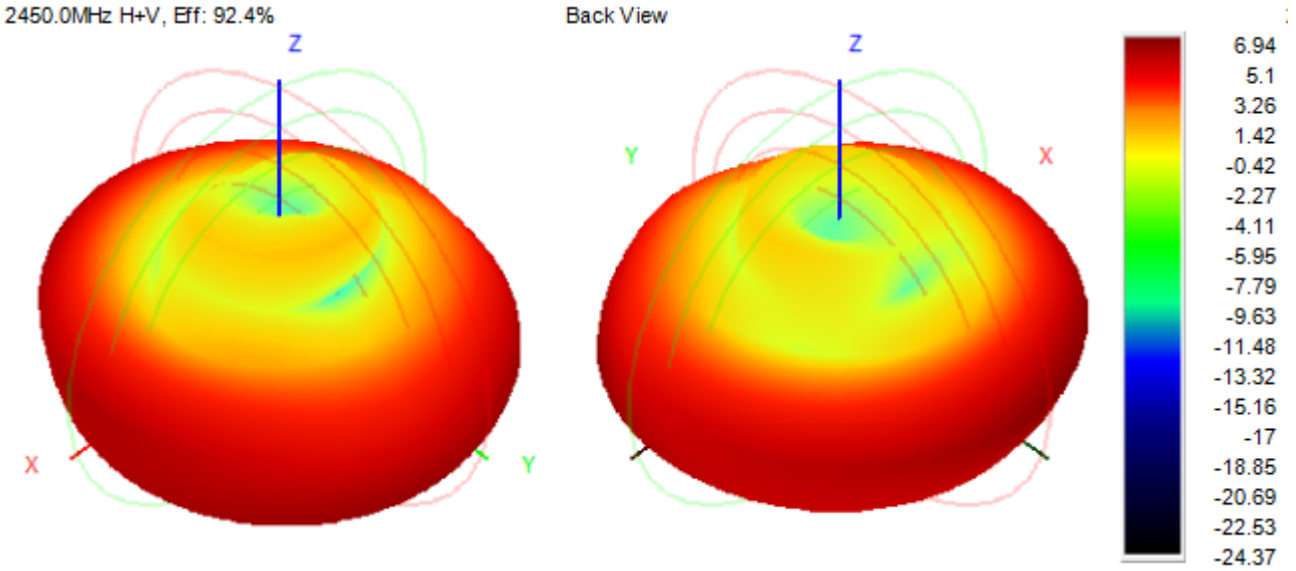


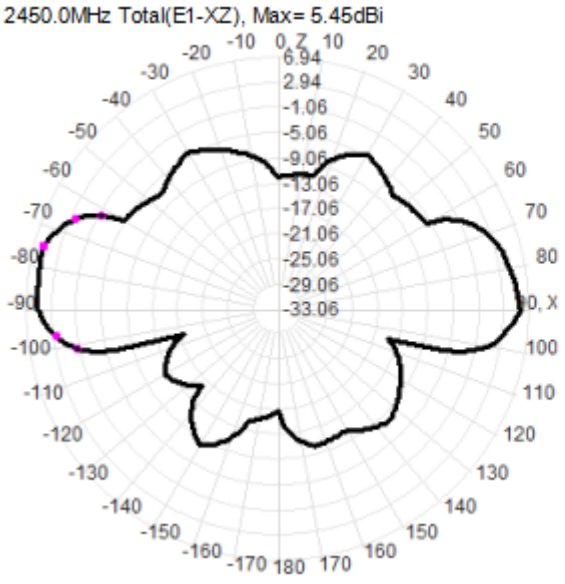
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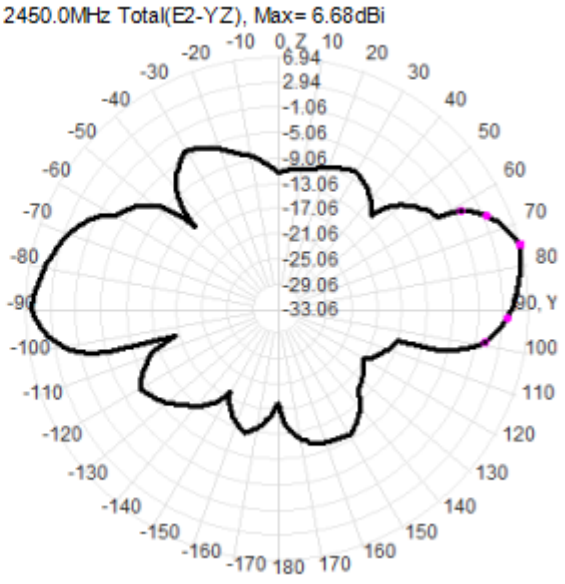




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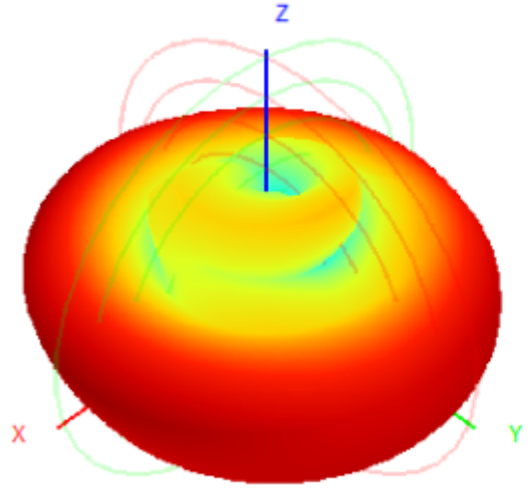




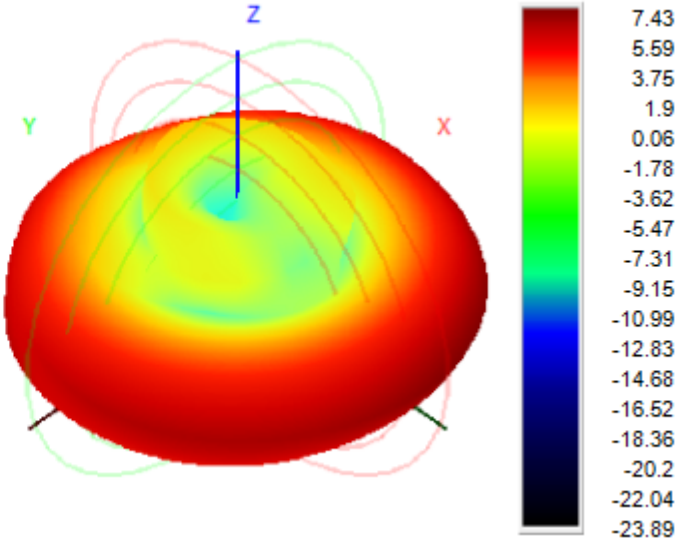


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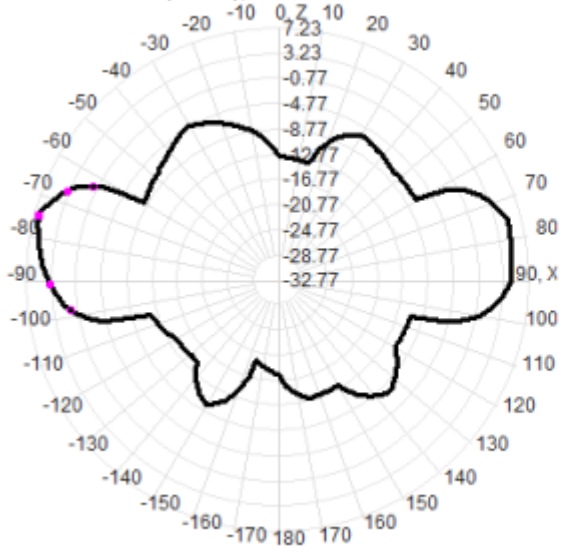
2500.0MHz H+V, Eff: 90.2%



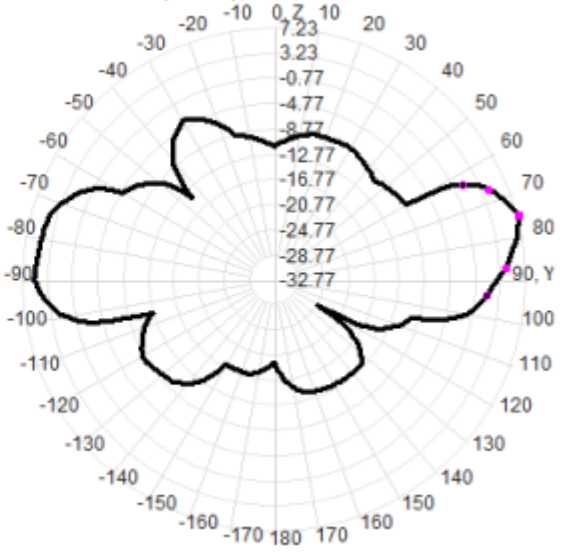
Back View



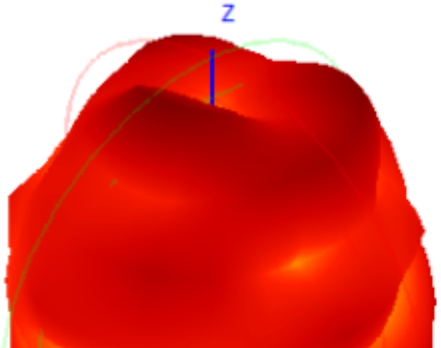
2500.0MHz Total(E1-XZ), Max= 6.57dBi



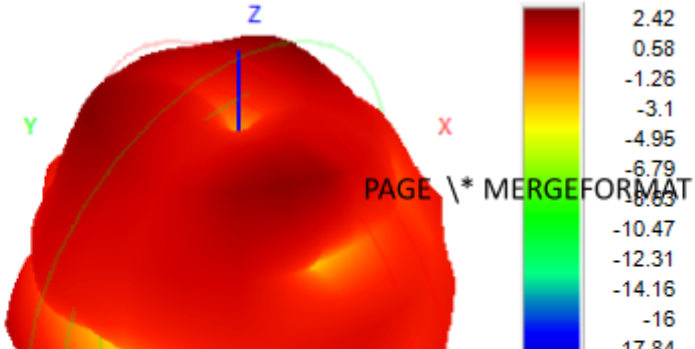
2500.0MHz Total(E2-YZ), Max= 7.23dBi



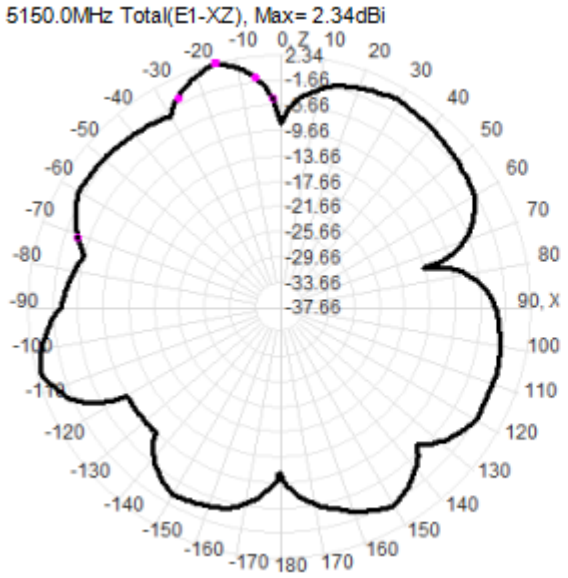
5150.0MHz H+V, Eff: 59.5%

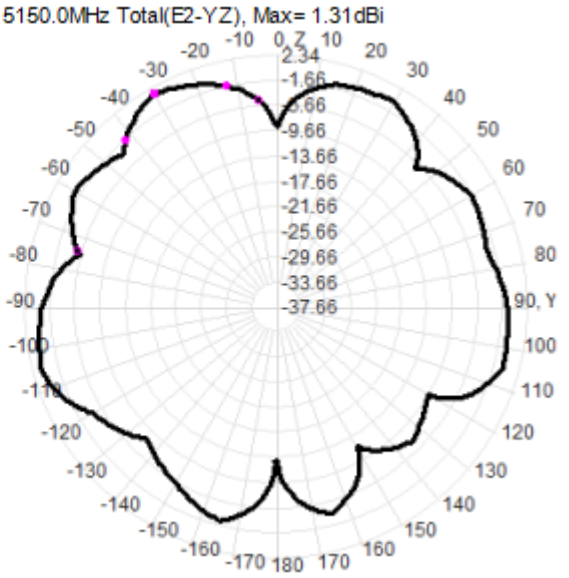


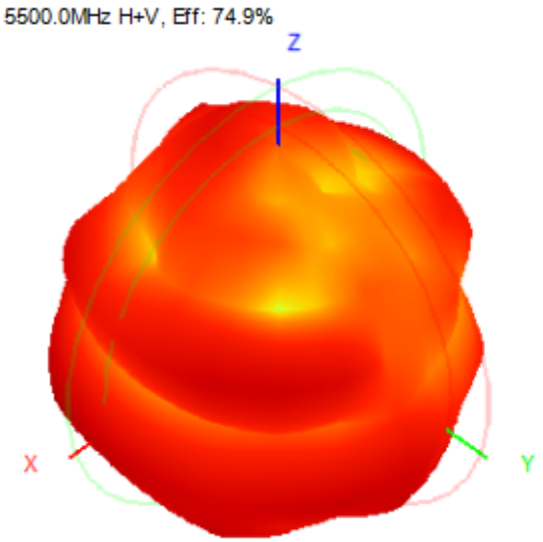
Back View

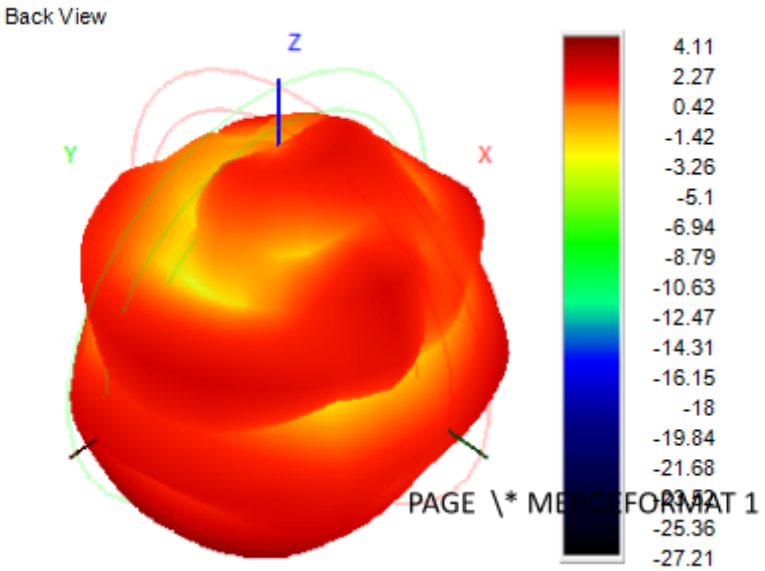


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