

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
Impedance (Ohm)	50

Product Datasheet

Polarisation

Vertical

1. Antenna Electrical Characteristics

10

SMA

2. Material and environmental characteristics

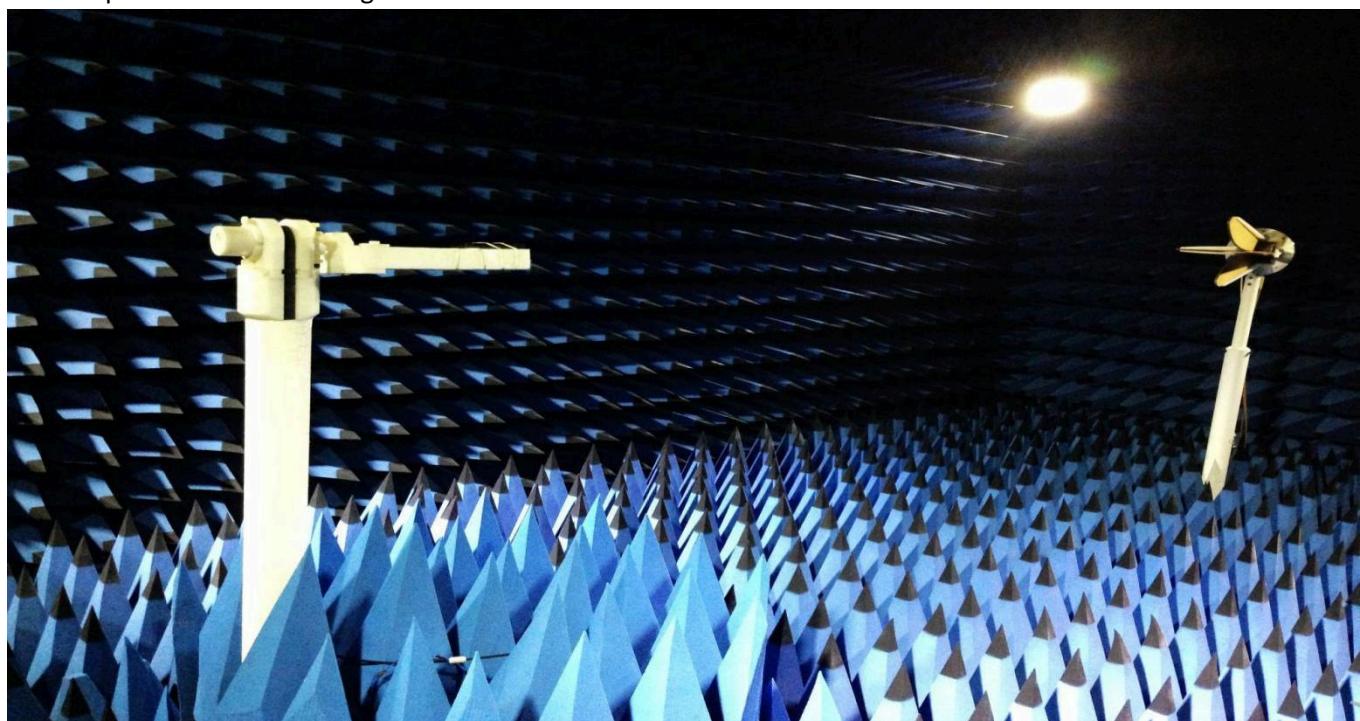
External structure	ABS+(PC+PBT)
Inner structure	Signal tube +Signal lever
Cable Type	RG178
Connector Type	SMA
Dimensions (mm)	394*13 MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS

Product Datasheet

4. Antenna test parameters

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

Antenna Measurement Conditions:

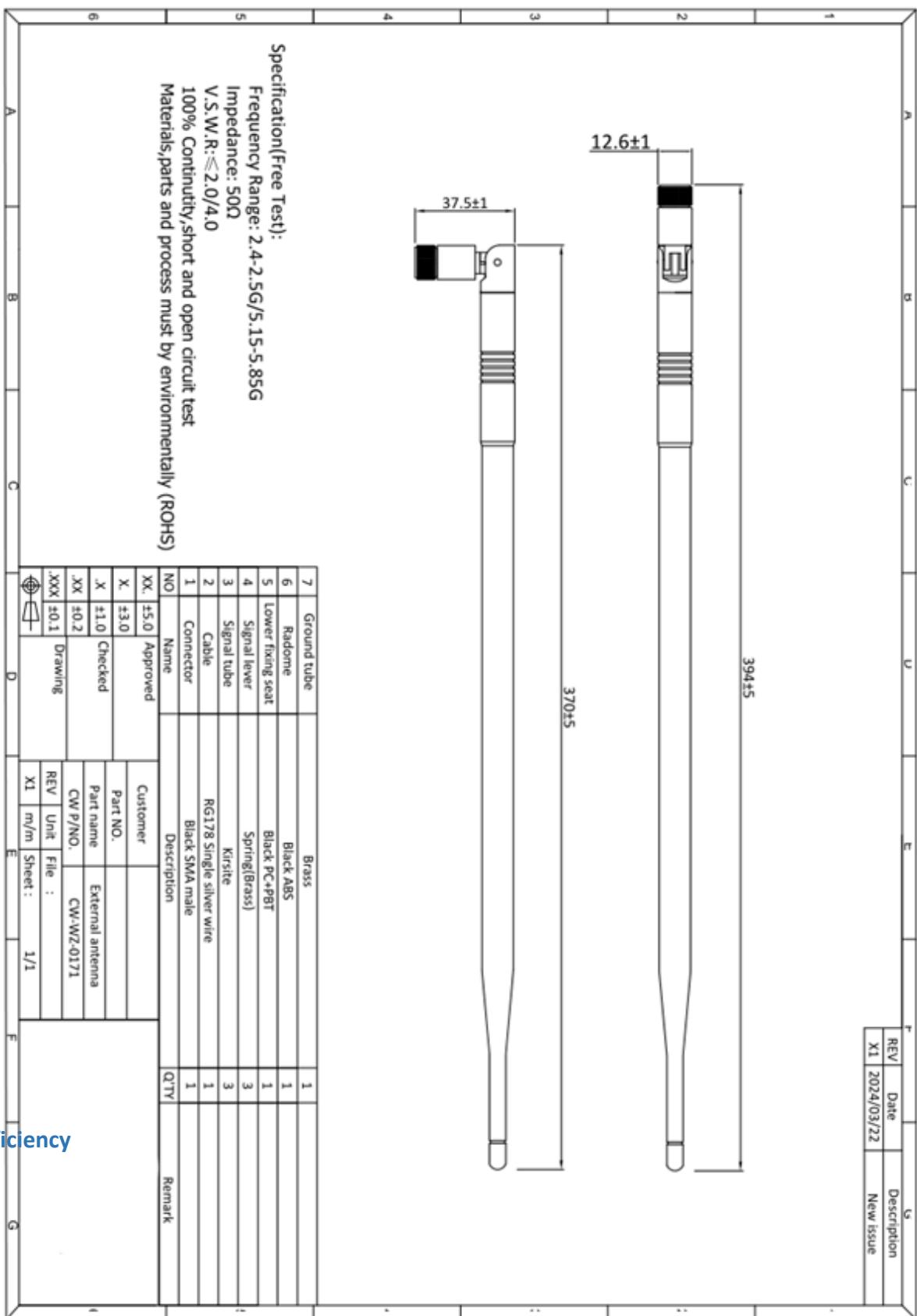


Trc1 — S11 SWR 1 U / Ref 1 U Cal Offs

PAGE * MERGEFORMAT 1
1 (Max)

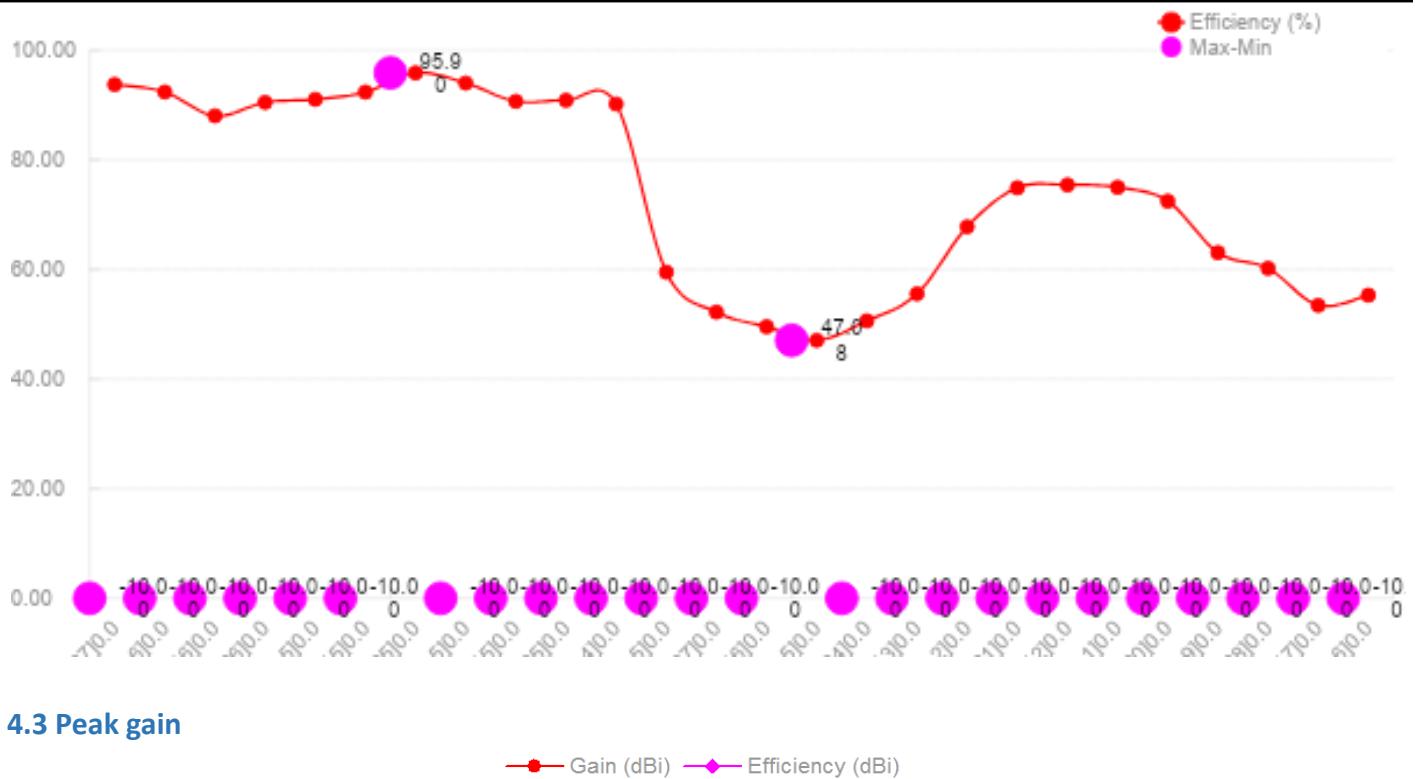
S11						M1	2.400000 GHz	1.2487 U
						M2	2.500000 GHz	1.2247 U
10						M3	5.150000 GHz	1.7700 U

Product Datasheet



4.2 Efficiency

Product Datasheet



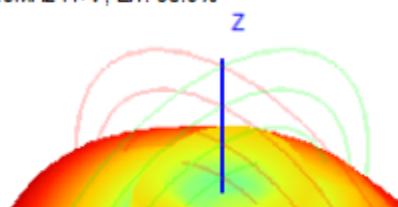
4.3 Peak gain

—●— Gain (dBi) —◆— Efficiency (dBi)

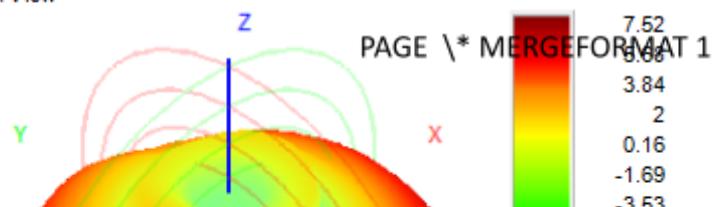


4.4 3D&2D Radiation Patterns

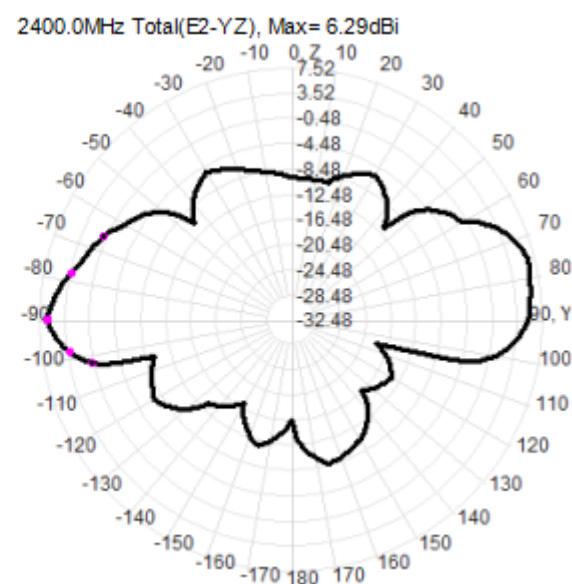
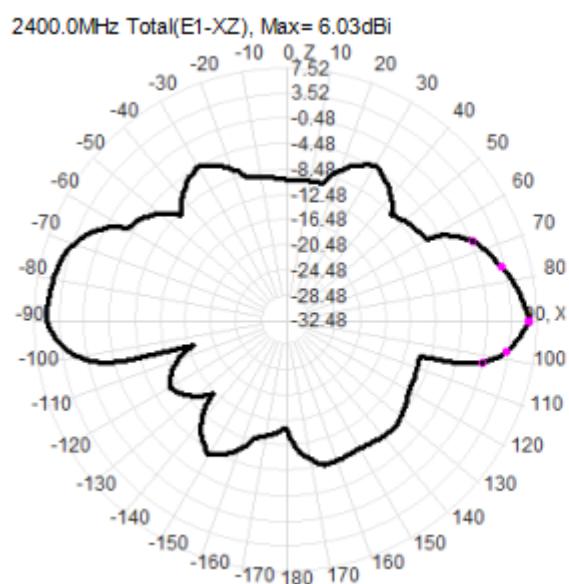
2400.0MHz H+V, Eff: 93.8%



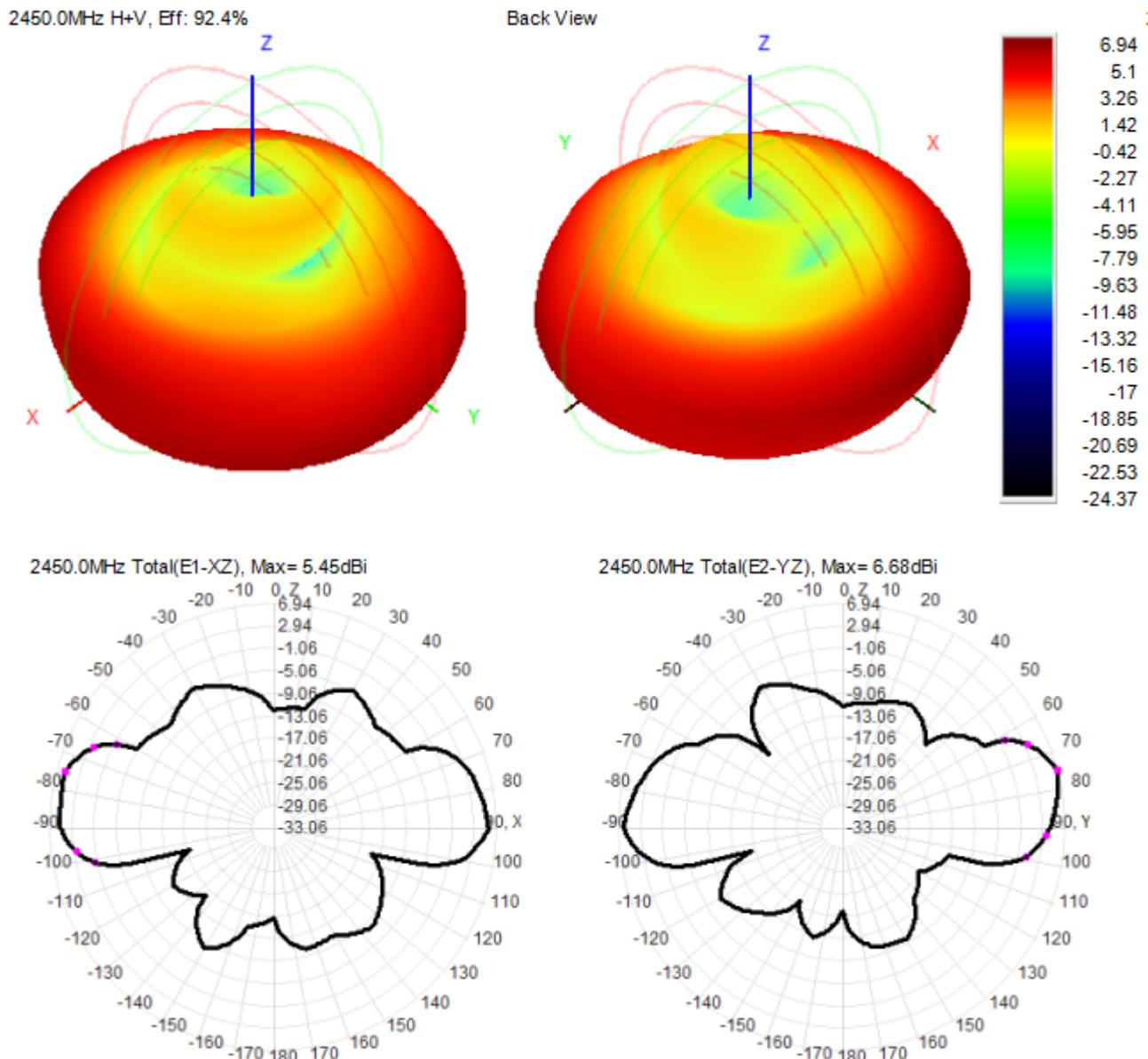
Back View



Product Datasheet

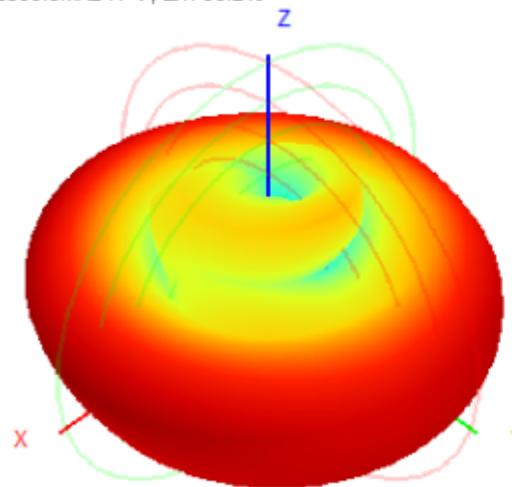


Product Datasheet

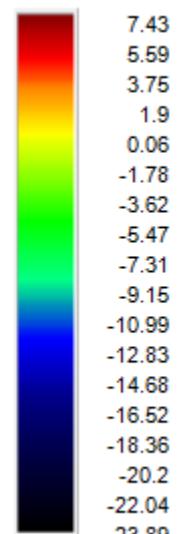
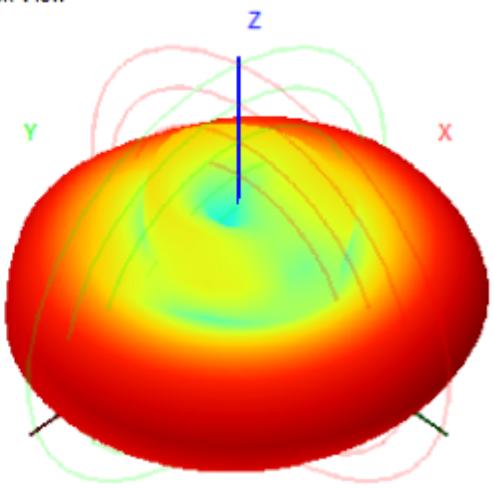


Product Datasheet

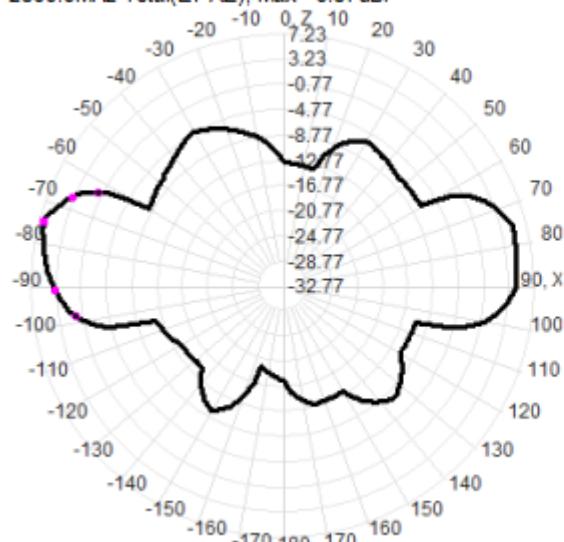
2500.0MHz H+V, Eff: 90.2%



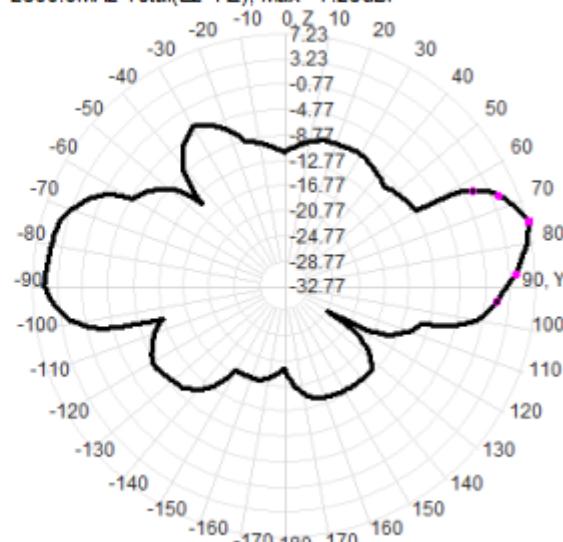
Back View



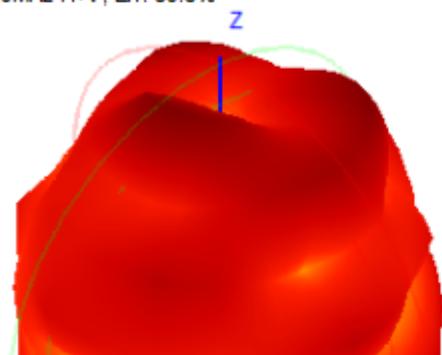
2500.0MHz Total(E1-XZ), Max= 6.57dBi



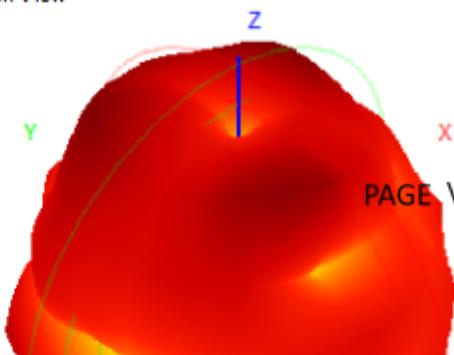
2500.0MHz Total(E2-YZ), Max= 7.23dBi



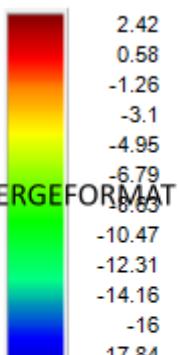
5150.0MHz H+V, Eff: 59.5%



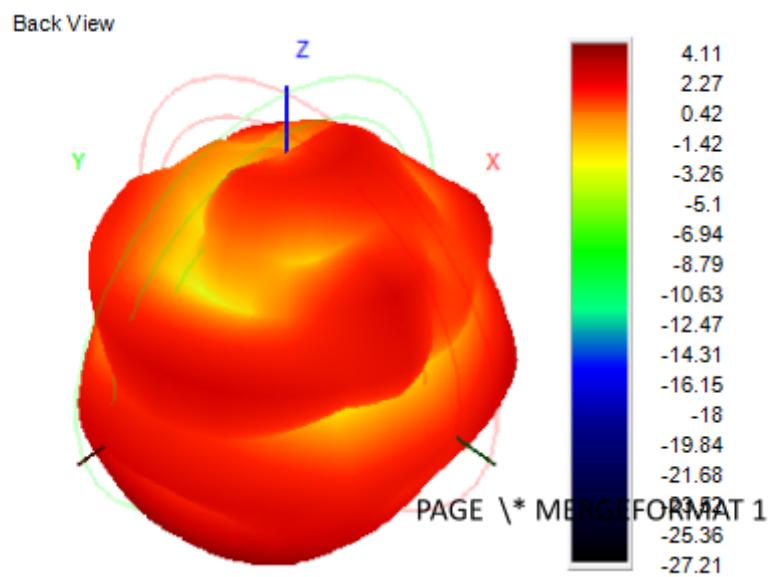
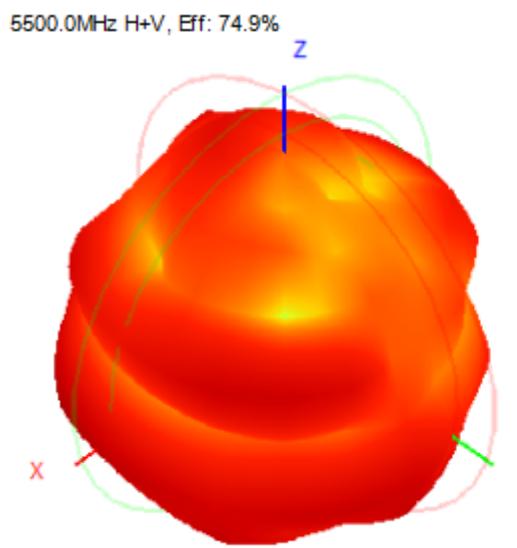
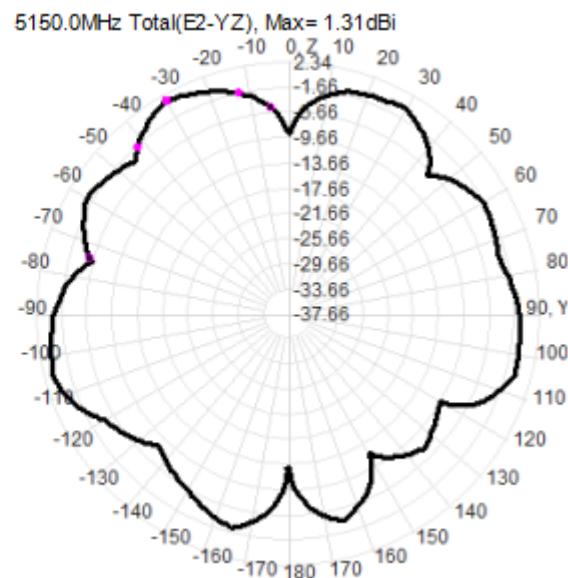
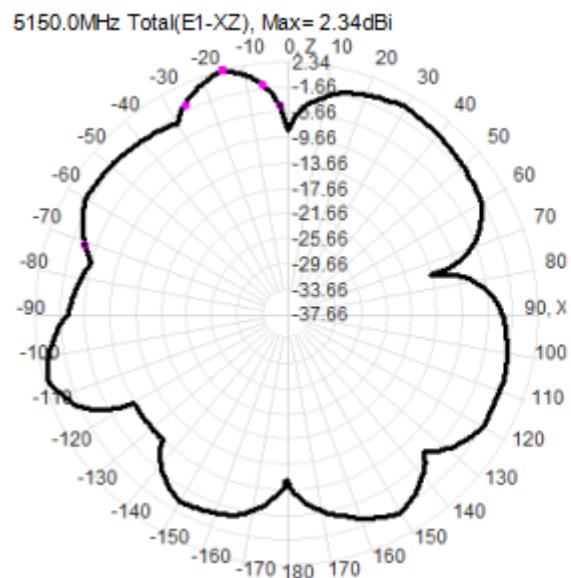
Back View



PAGE * MERGEFORMAT 1



Product Datasheet



Product Datasheet

