

CW-WZ-0168

865-965MHz External Antenna

Key Features

Frequency:865-965MHZ

SMA Connector

Dimensions:80*14mm

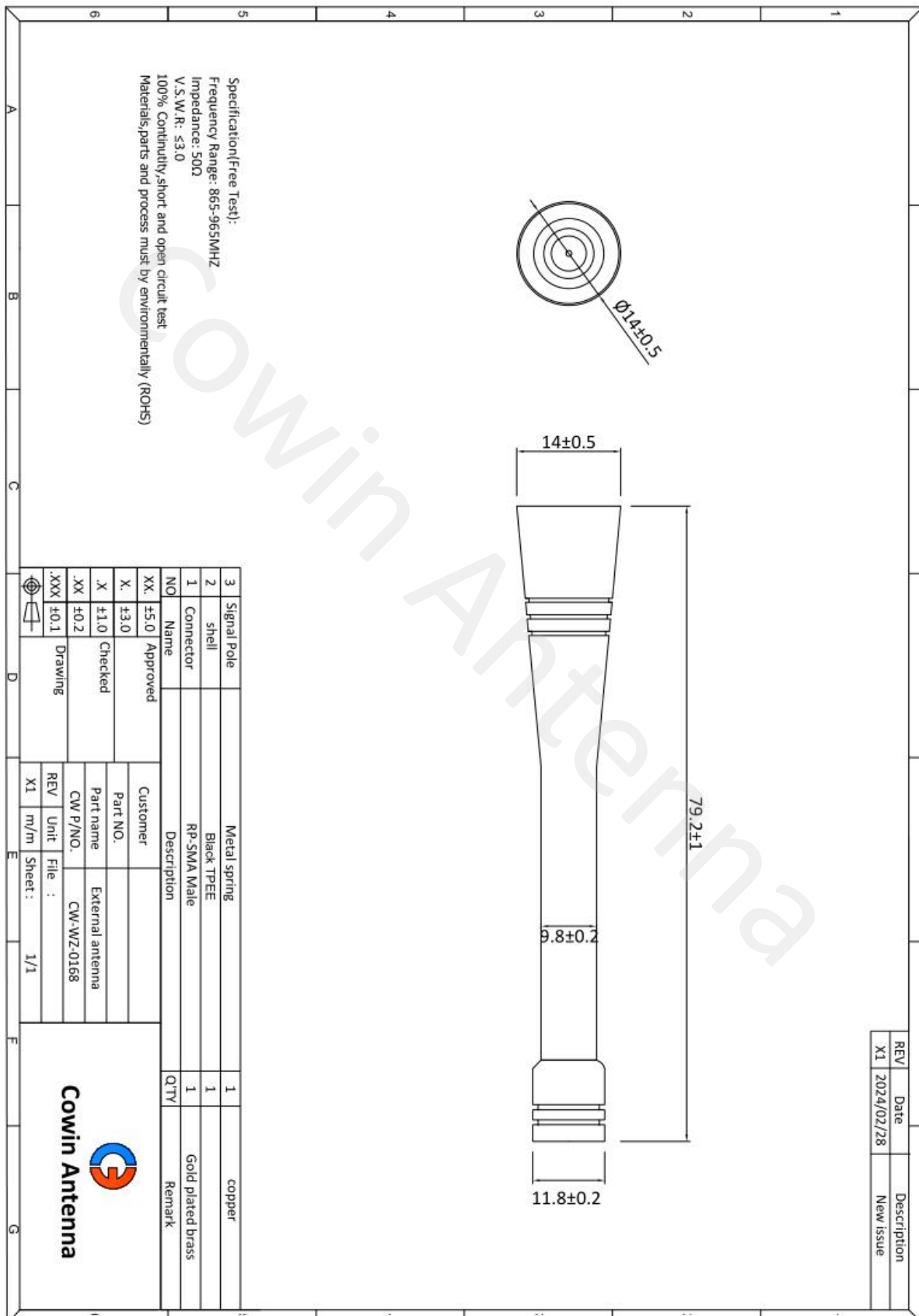


1. Antenna Electrical Characteristics

Band (MHz)	916MHZ
Frequency (MHz)	865-965MHZ
VSWR	≤3.0
Efficiency (%)	75.95%
Peak Gain (dBi)	2.95
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	SMA

2. Material and environmental characteristics

External structure	TPEE
Inner structure	Metal spring
Cable Type	N/A
Connector Type	SMA
Dimensions (mm)	80*14 MM
Antenna color	Black
Operation Temperature	-40 to +80
Storage Temperature	-40 to +80
Antenna Storage life(year)	10
Substance Compliance	ROHS



4. Antenna test parameters

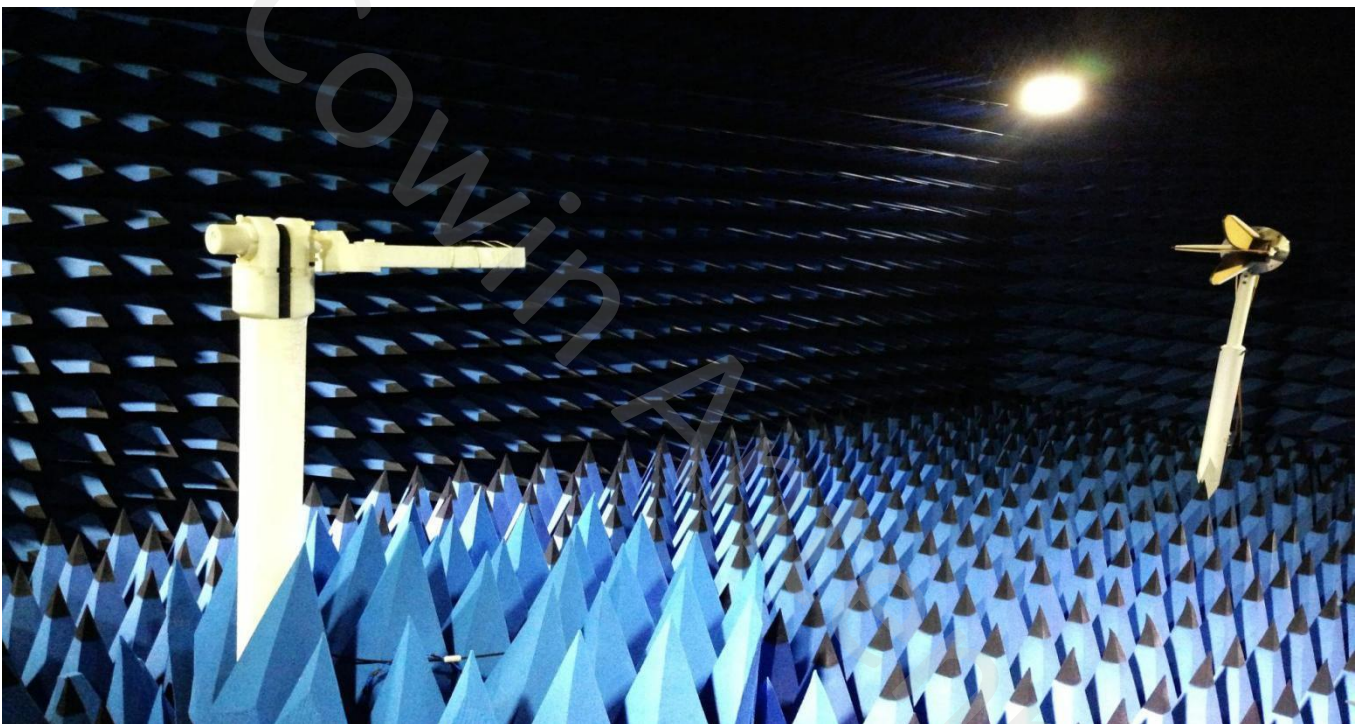
Antenna Measurement Conditions:

Mounted on Ground Plane of 280 x 80 mm

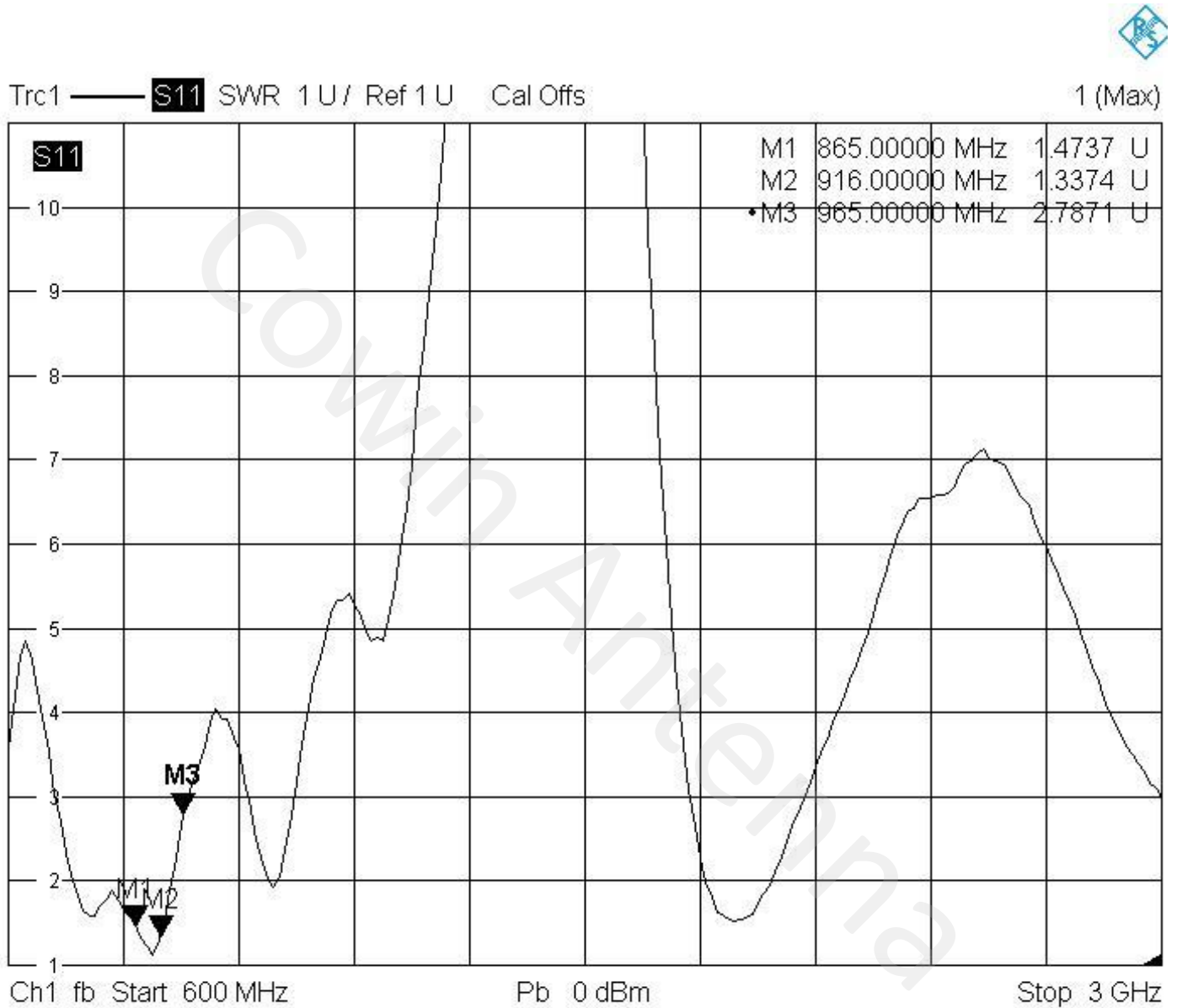
Measured in Certified 3D Anechoic Chamber

The network analyzer is Agilent 5071c

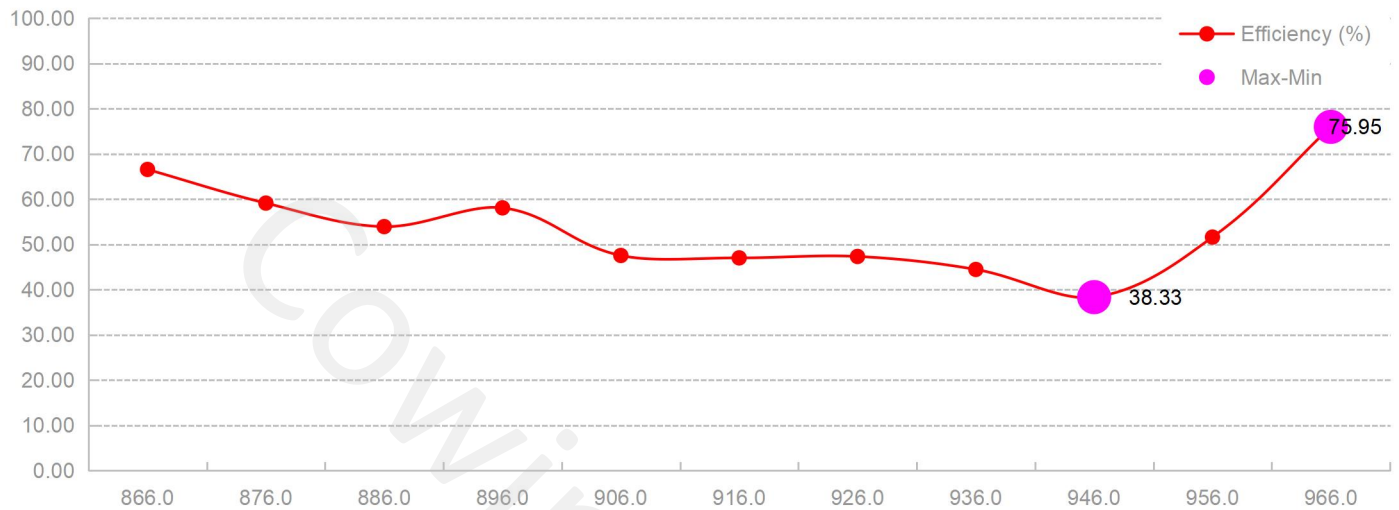
The comprehensive tester is Agilent cmv500



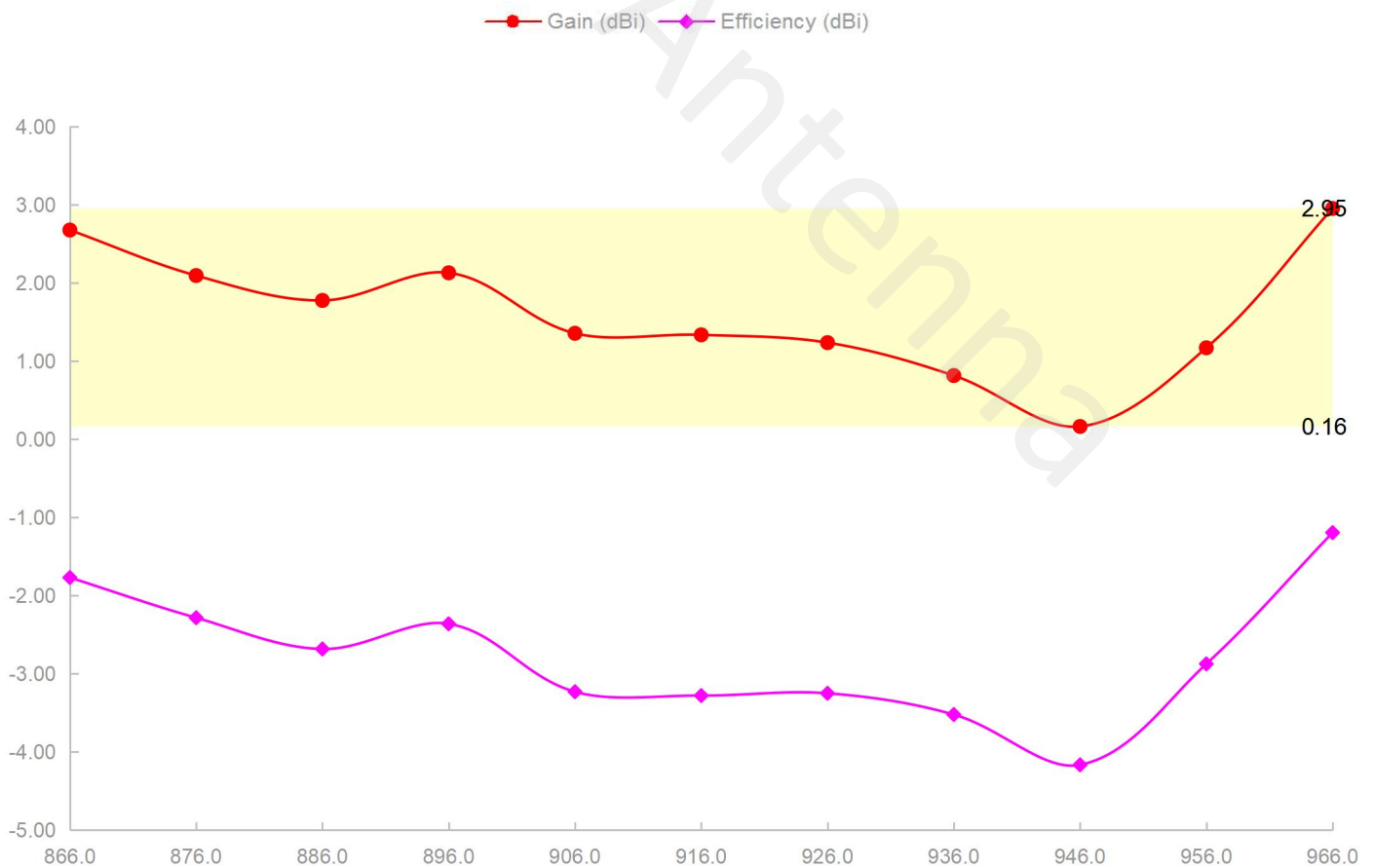
4.1 VSWR



4.2 Efficiency



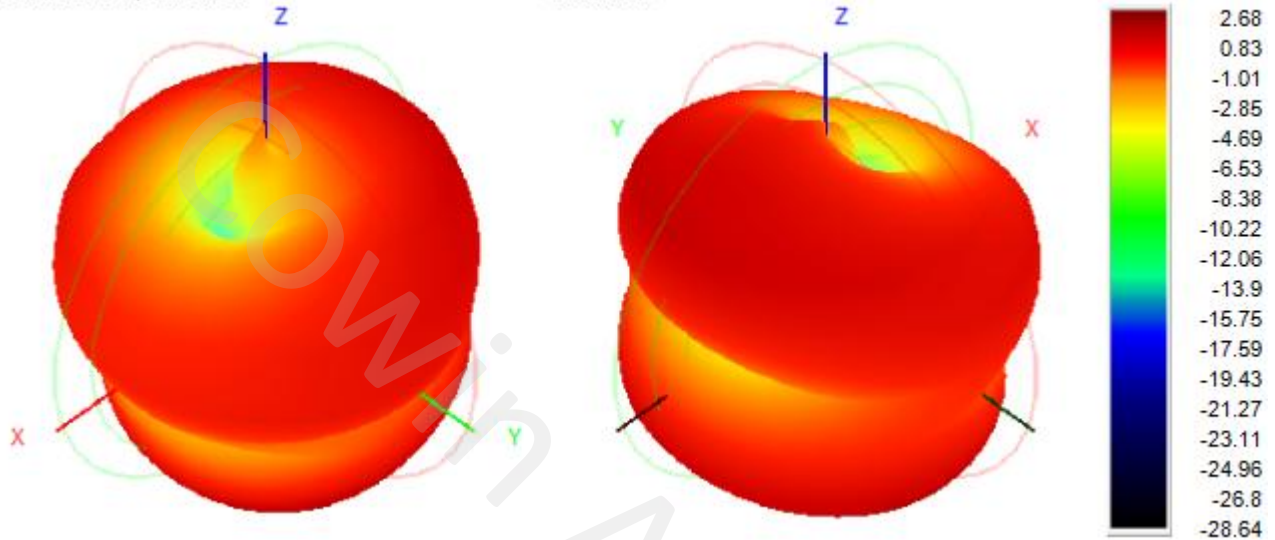
4.3 Peak gain



4.4 3D&2D Radiation Patterns

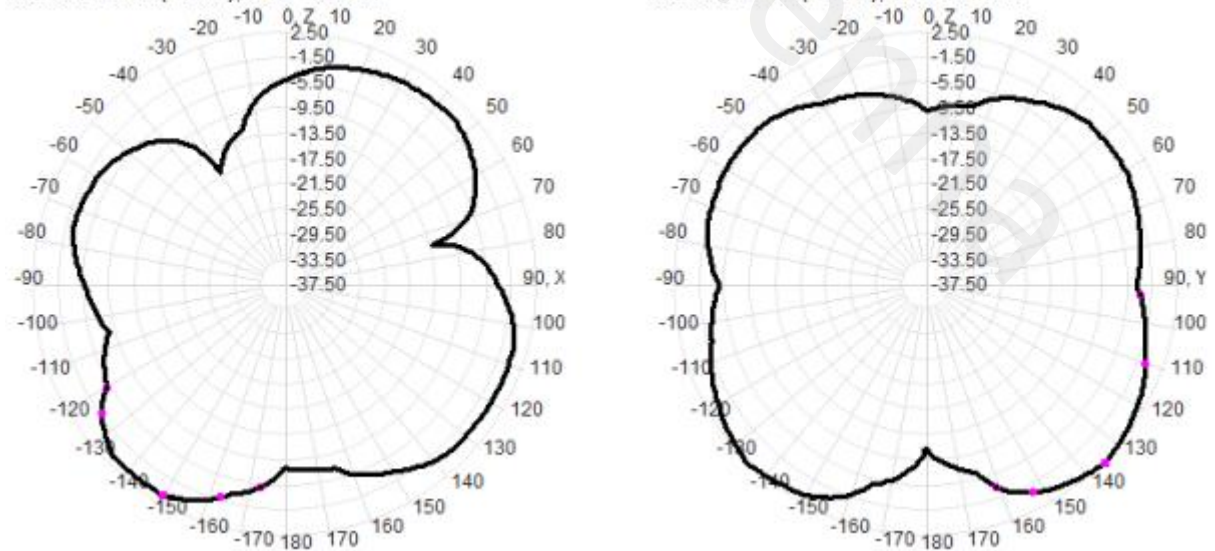
866.0MHz H+V, Eff: 66.5%

Back View

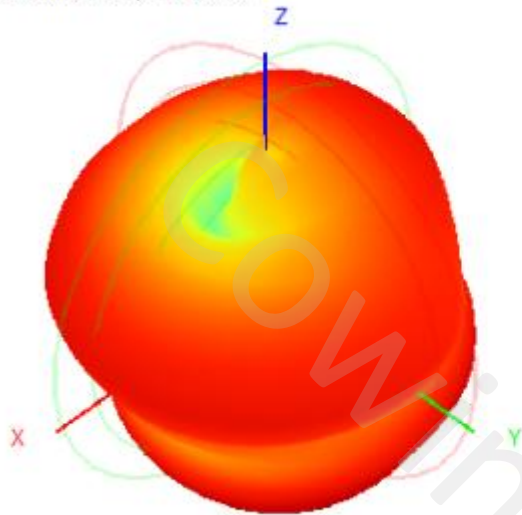


866.0MHz Total(E1-XZ), Max= 1.06dBi

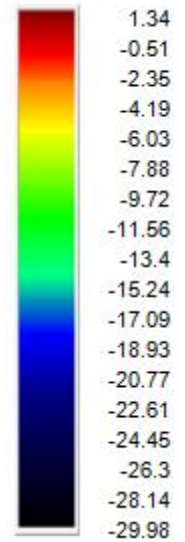
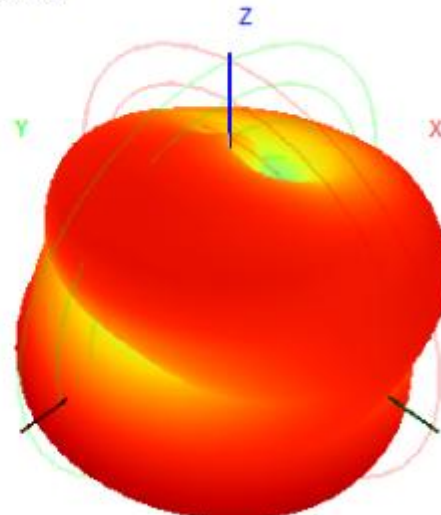
866.0MHz Total(E2-YZ), Max= 2.50dBi



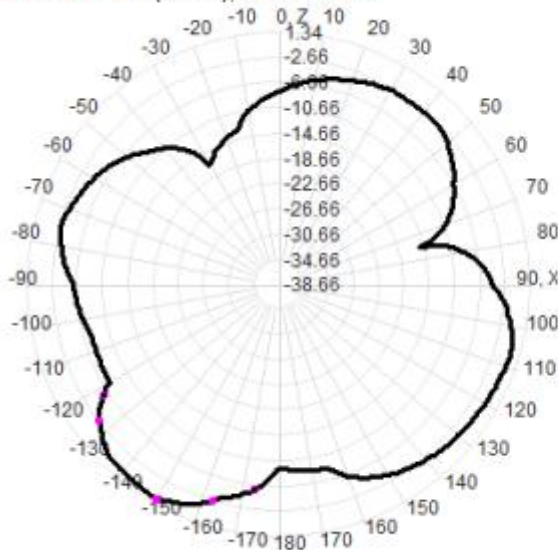
916.0MHz H+V, Eff: 47.0%



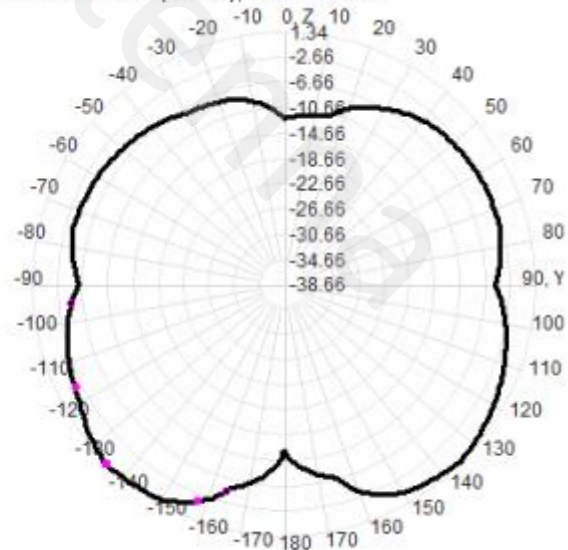
Back View



916.0MHz Total(E1-XZ), Max= 0.31dBi

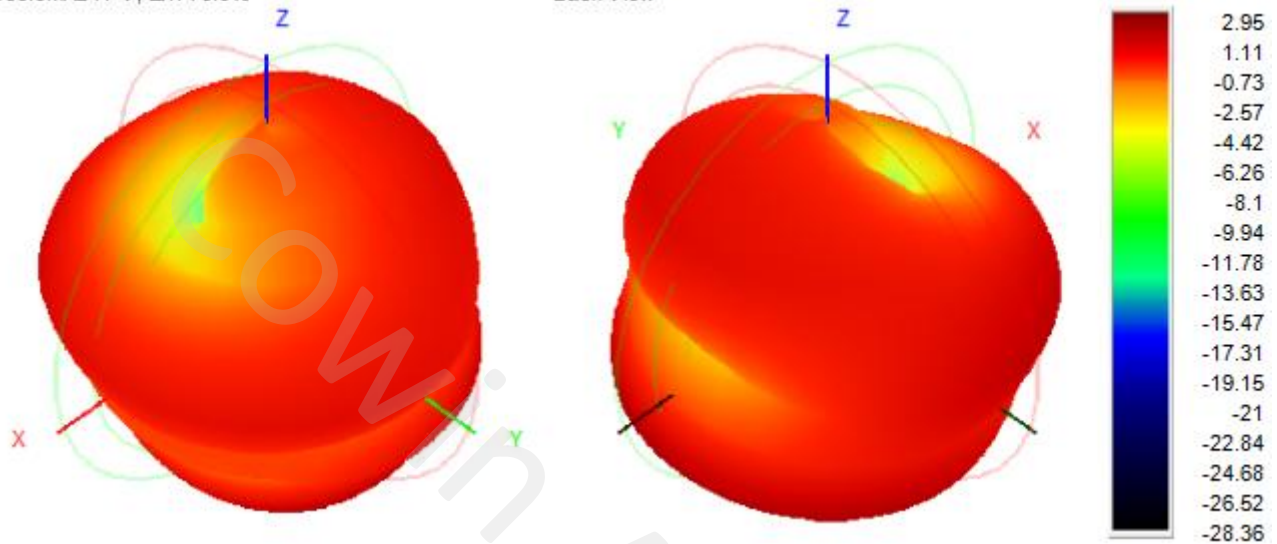


916.0MHz Total(E2-YZ), Max= 1.34dBi

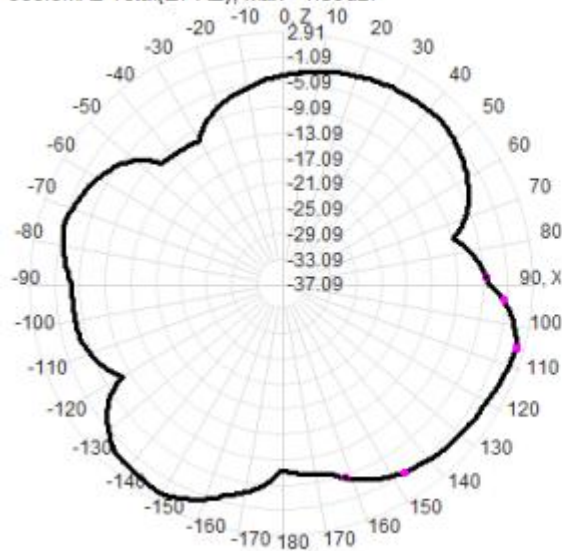


966.0MHz H+V, Eff: 76.0%

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966.0MHz Total(E1-XZ), Max= 1.38dBi



966.0MHz Total(E2-YZ), Max= 2.91dBi

