

CW-NZ-0103

868MHz U.FL Antenna

Key Features

Frequency:868MHz

I-PEX Connector

1.13 Cable

Dimensions 92mm

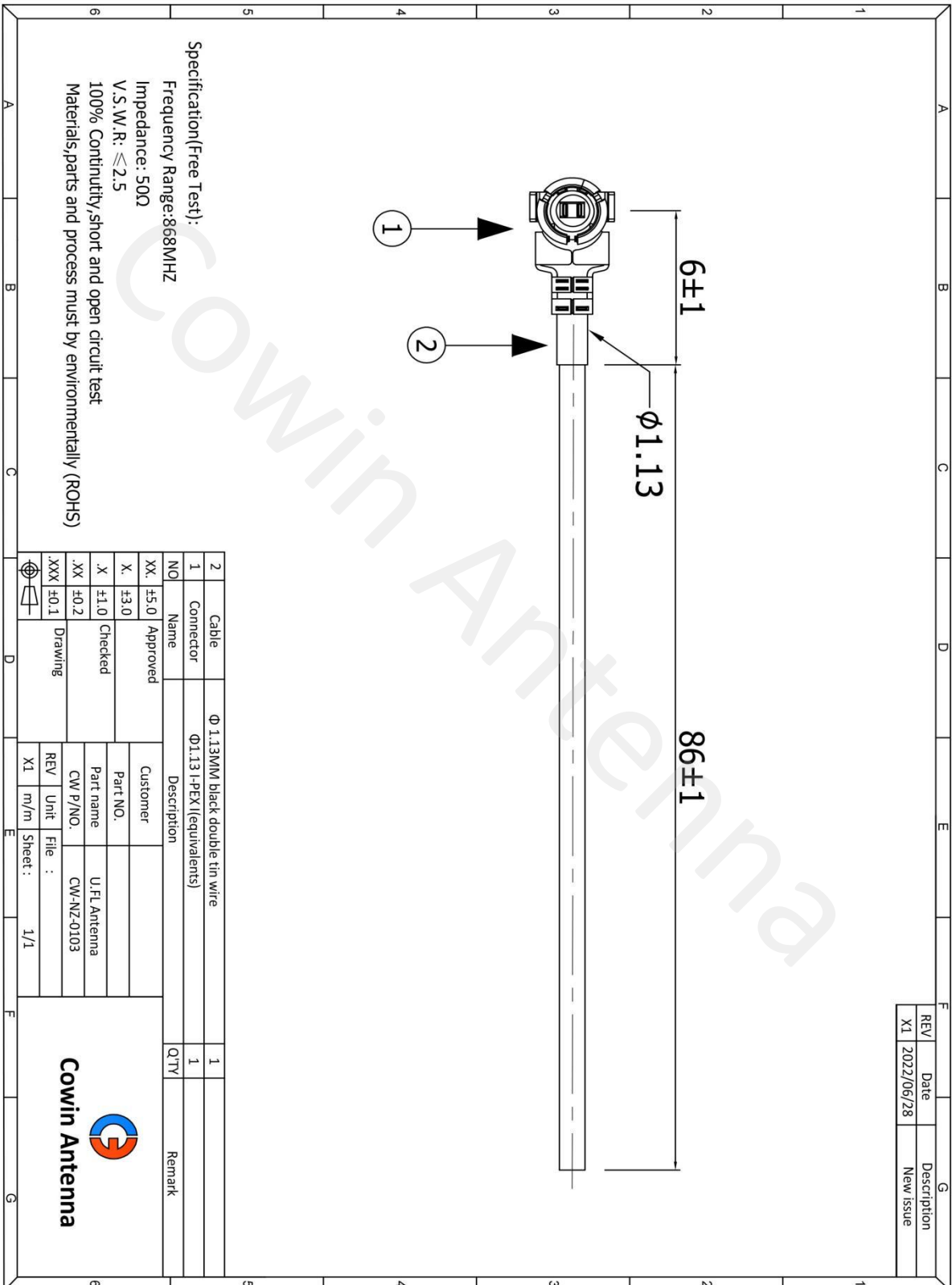


1. Antenna Electrical Characteristics

Band (MHz)	
Frequency (MHz)	868MHZ
VSWR	2.5
Efficiency (%)	40.88%
Peak Gain (dBi)	1.21
Impedance (Ohm)	50
Polarisation	Vertical
Max. Input Power (W)	10
Connector Type	I-PEX

2. Material and environmental characteristics

External structure	N/A
Inner structure	Connector/Cable
Cable Type	RF1.13
Connector Type	I-PEX
Dimensions (mm)	92MM
Antenna color	N/A
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

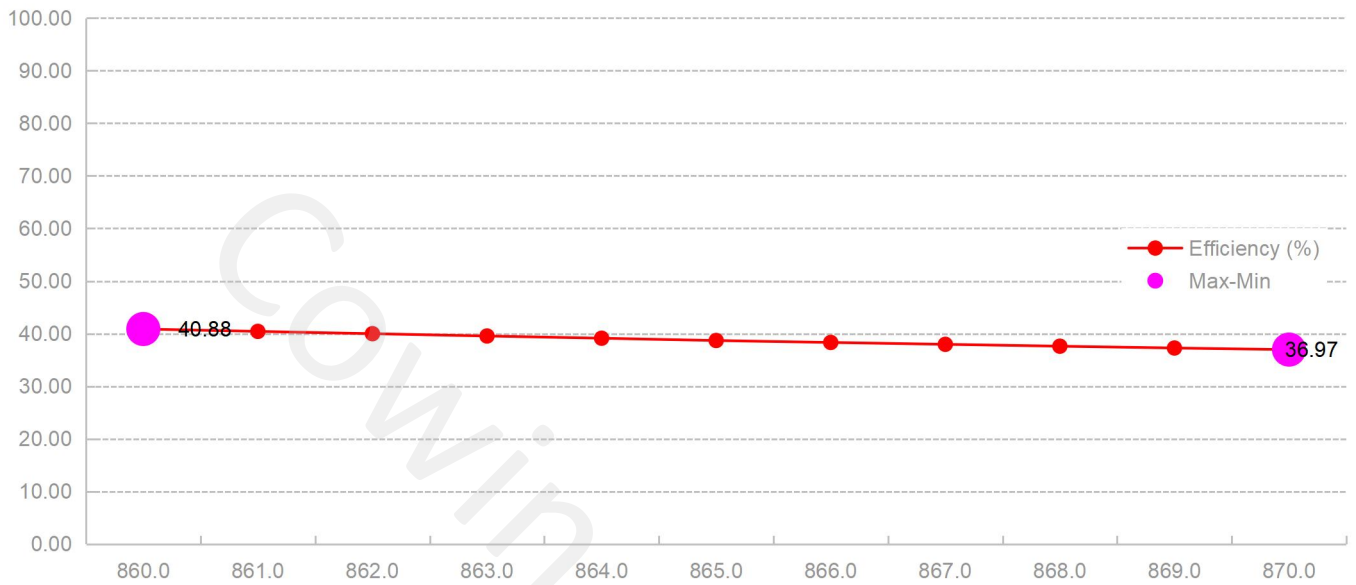
The comprehensive tester is Agilent cmv500



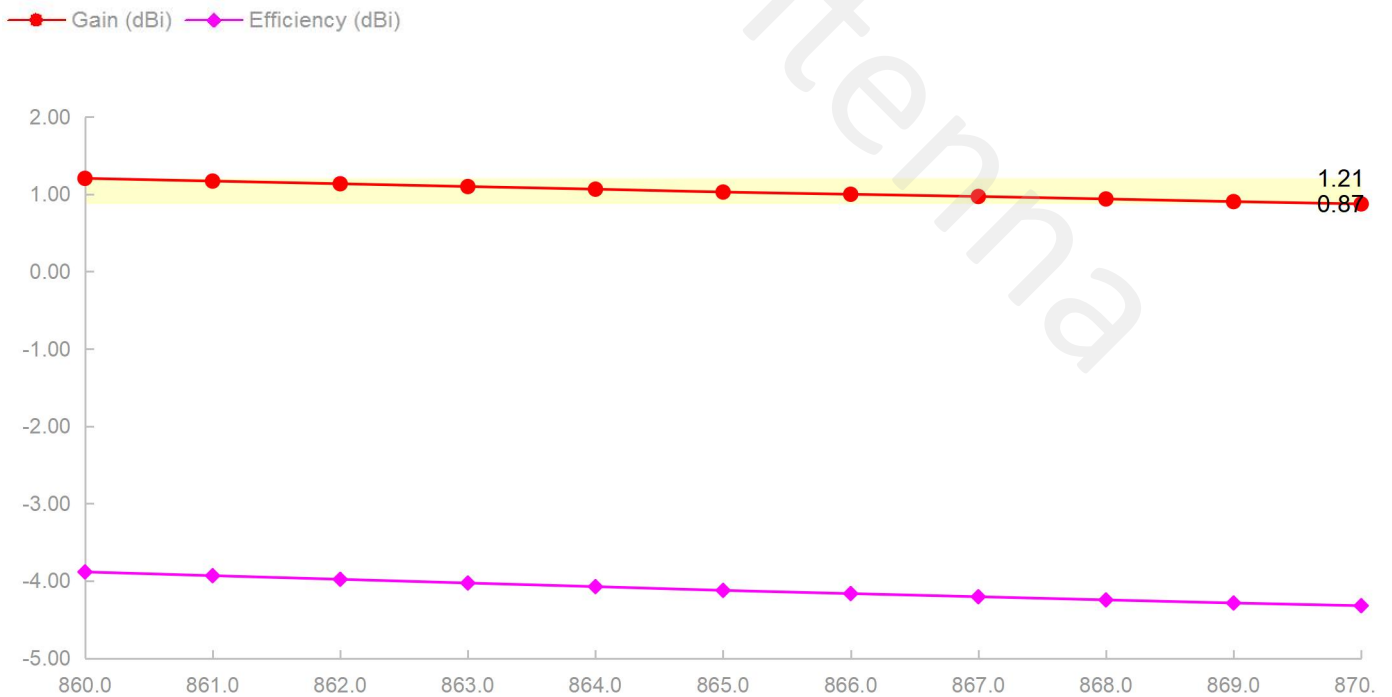
4.1 VSWR



4.2 Efficiency

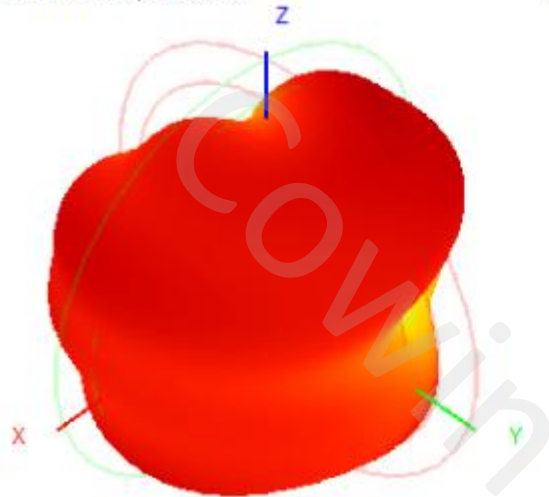


4.3 Peak gain

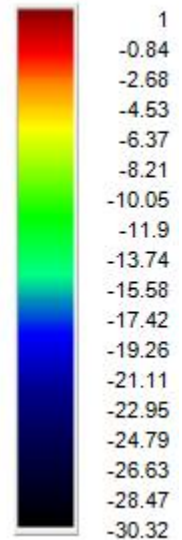
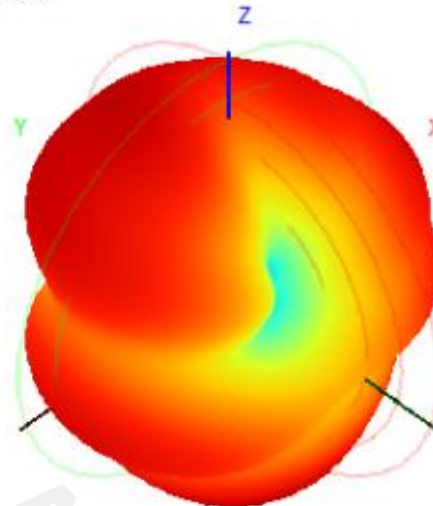


4.4 3D&2D Radiation Patterns

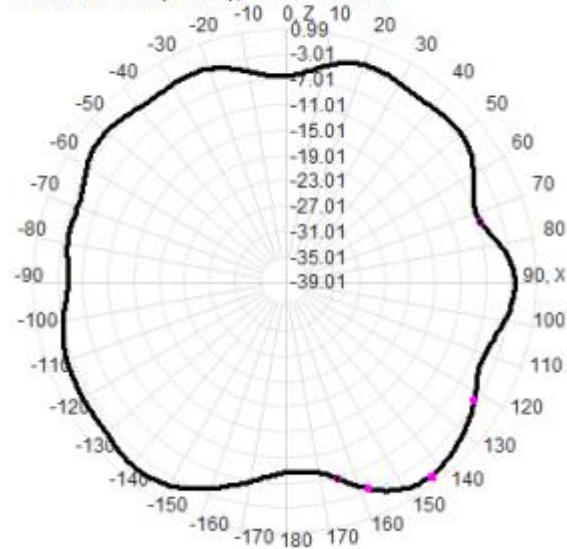
866.0MHz H+V, Eff: 38.3%



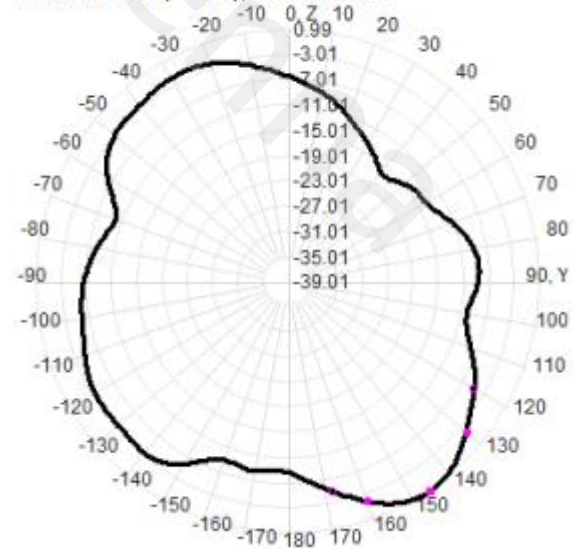
Back View



866.0MHz Total(E1-XZ), Max= -0.57dBi

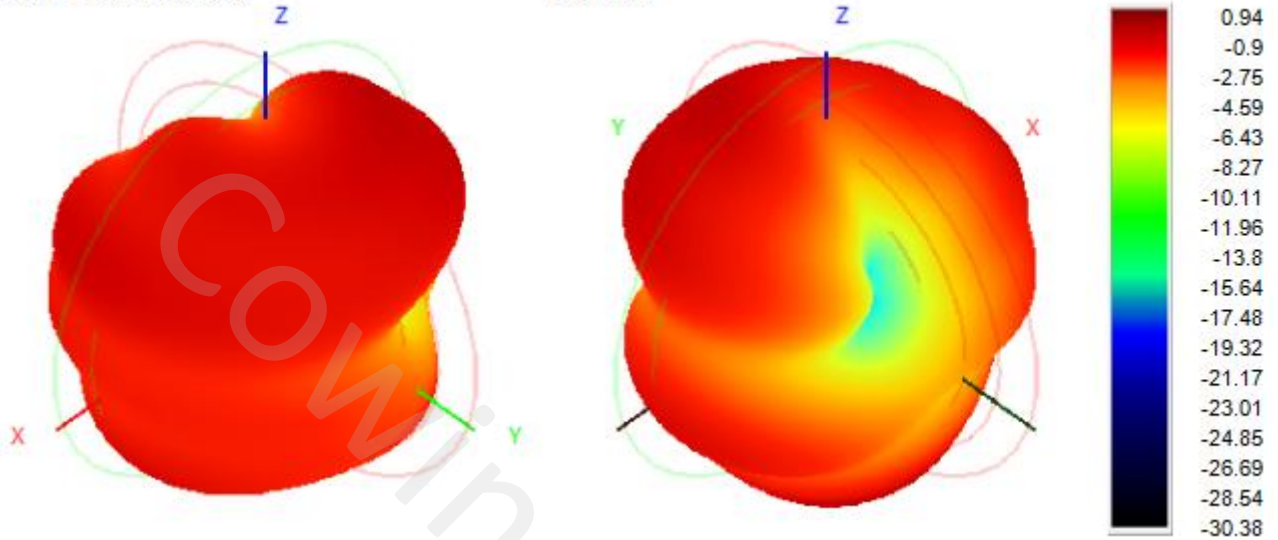


866.0MHz Total(E2-YZ), Max= 0.99dBi



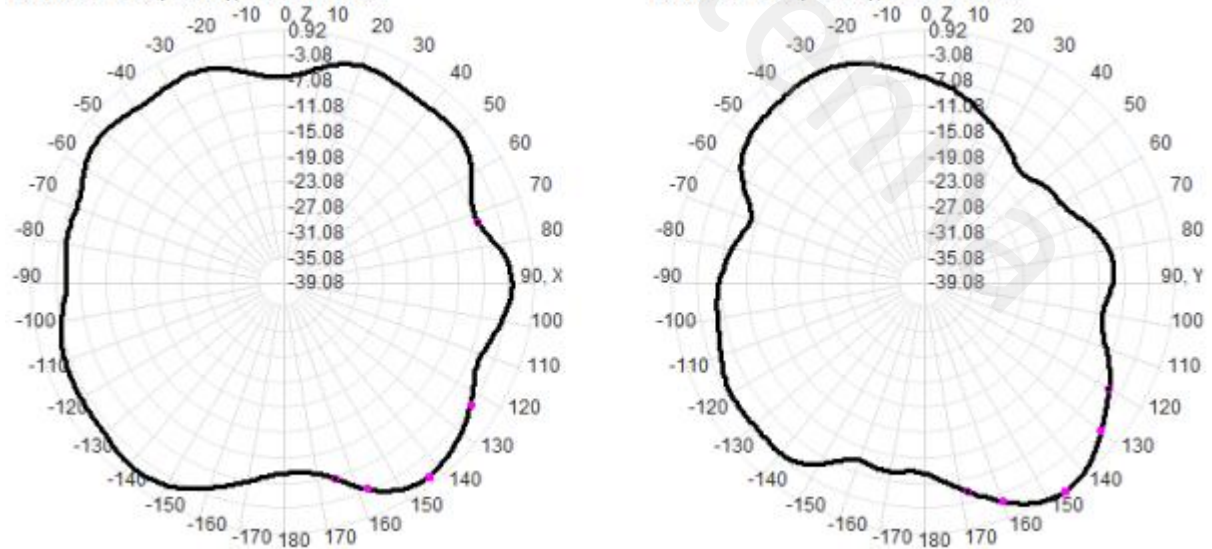
868.0MHz H+V, Eff: 37.6%

Back View



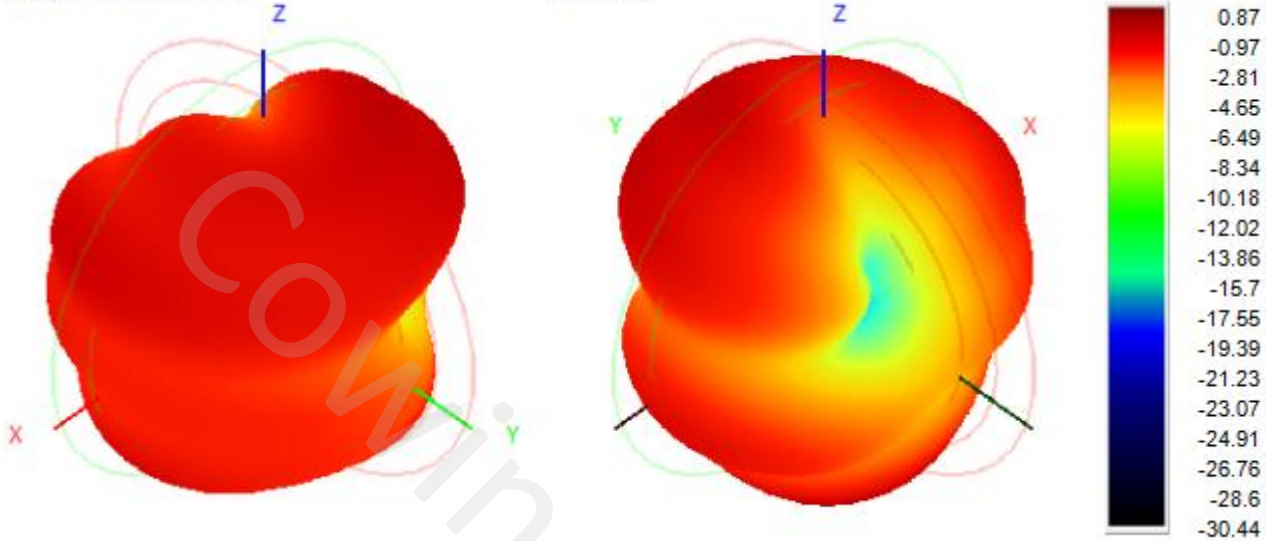
868.0MHz Total(E1-XZ), Max= -0.60dBi

868.0MHz Total(E2-YZ), Max= 0.92dBi

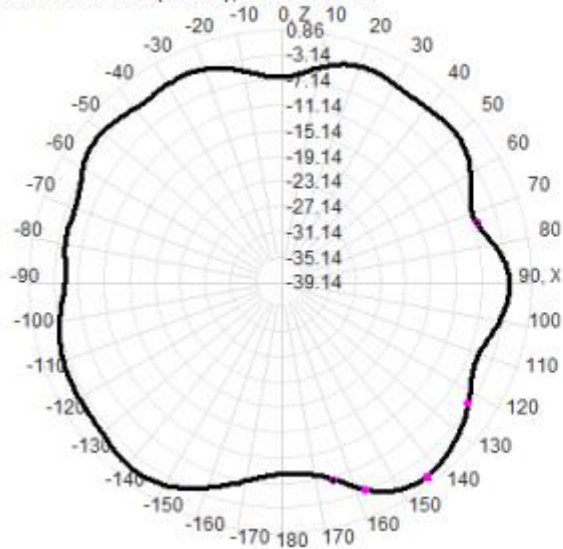


870.0MHz H+V, Eff: 37.0%

Back View



870.0MHz Total(E1-XZ), Max=-0.64dBi



870.0MHz Total(E2-YZ), Max= 0.86dBi

