

698-2700MHz
5 dBi DiPole Antenna

Model: VS-AN-LTE-DP-05



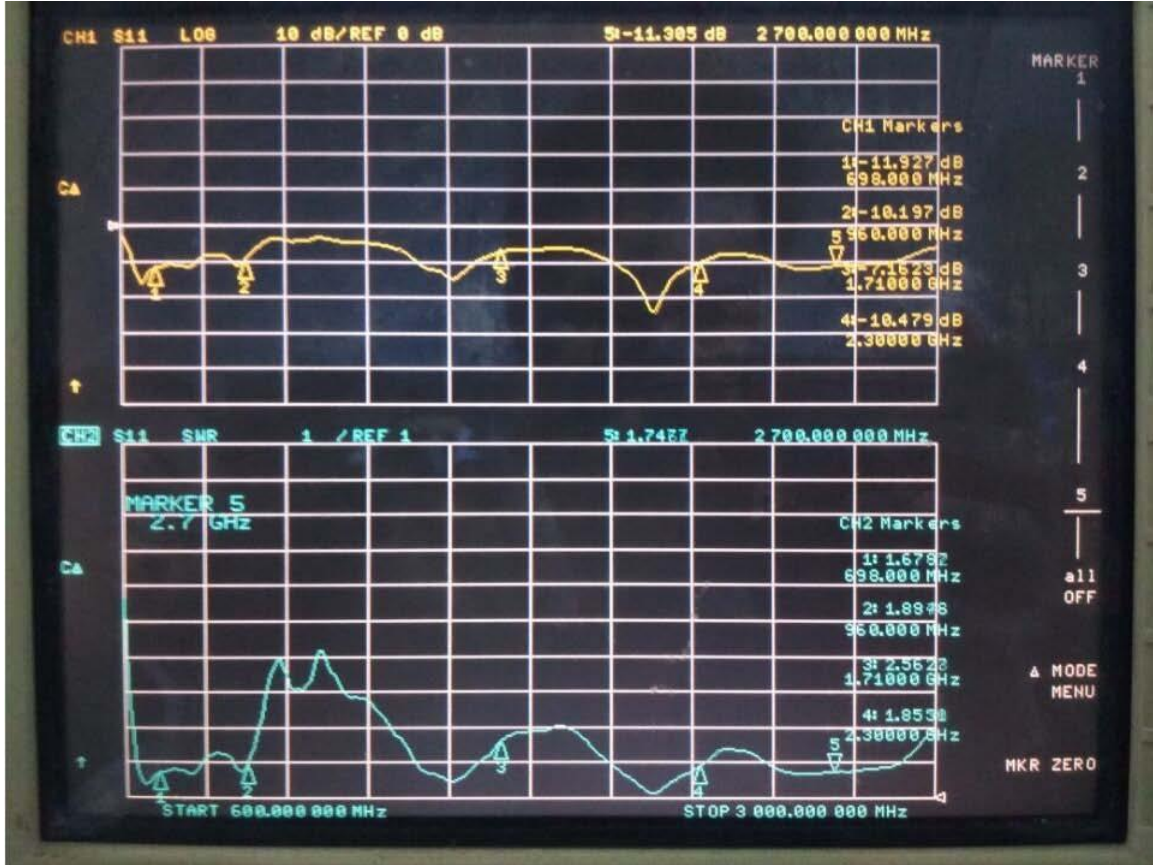
Electrical Specification

Frequency Range	698 - 2700 MHz
Gain	3-5 dBi
VSWR (Max.)	≤ 2
Input Impedance	50 Ω
Polarization	Vertical
Front to Back Ratio	≥15 dB
Horizontal Beam Width	60° - 90°
Vertical Beam Width	70° - 70°
Average Power Input (Max)	50 W

Mechanical Specification

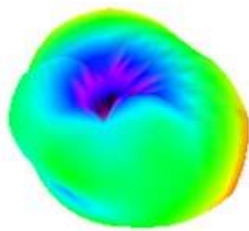
Antenna Length	160 mm
Connector	SMA
Antenna Color	Black
Mounting Mast Diameter	∅ 10 mm
Rated Wind Velocity	210 Km/h
Radome Material	UV Protected ABS
Operating Temperature	-40° to +80°C
Storage Temperature	-65° to +85°C

RETURN LOSS



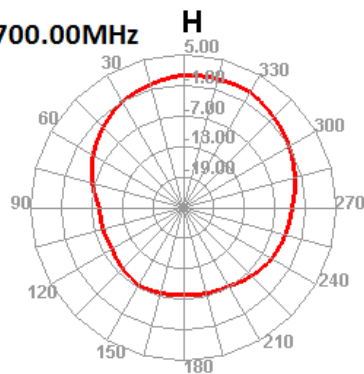
2D & 3D RADIATION PATTERN

700.00MHz



700MHz

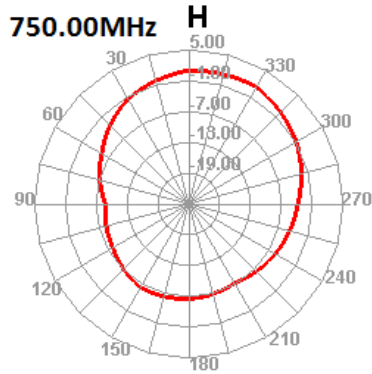
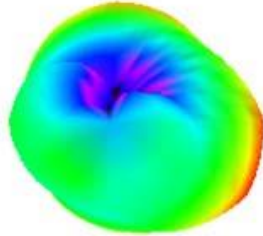
700.00MHz



Gain: 1.73dBi

Efficiency:58.57%

750.00MHz

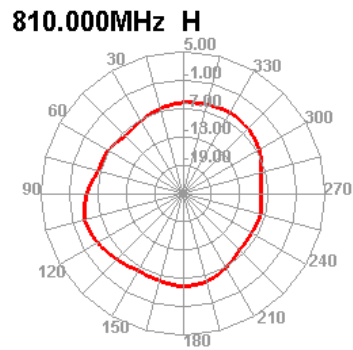
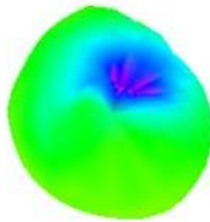


750MHz

Gain: 1.35dBi

Efficiency:66.78%

810.000MHz

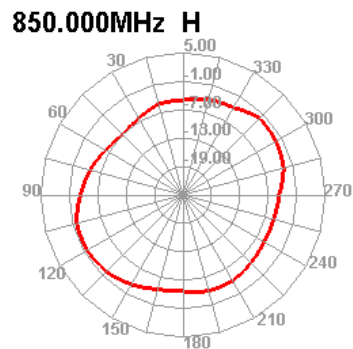
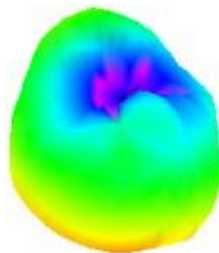


810MHz

Gain: 1.27dBi

Efficiency: 69.36%

850.000MHz

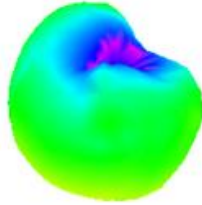


850MHz

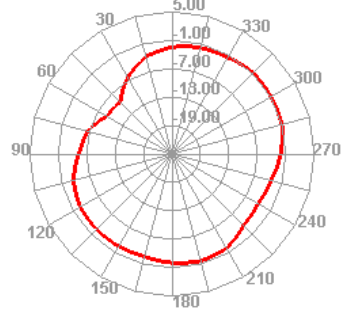
Gain: 2.17dBi

Efficiency: 68.56%

900.000MHz



900.000MHz H

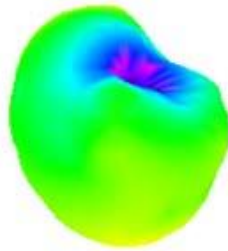


900MHz

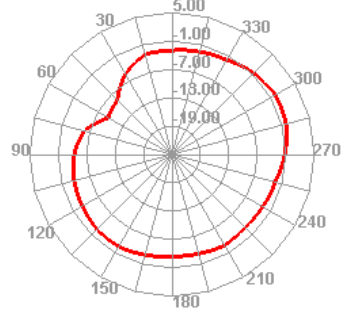
Gain: 2.76dBi

Efficiency: 67.78%

930.000MHz



930.000MHz H

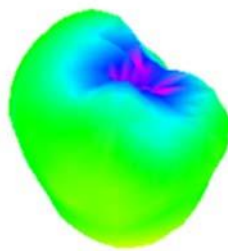


930MHz

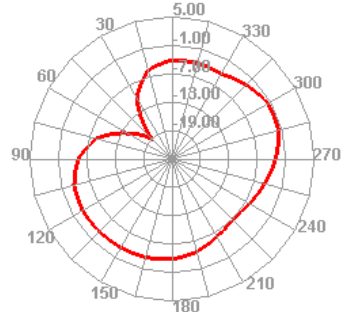
Gain: 2.35dBi

Efficiency: 68.23%

960.000MHz



960.000MHz H

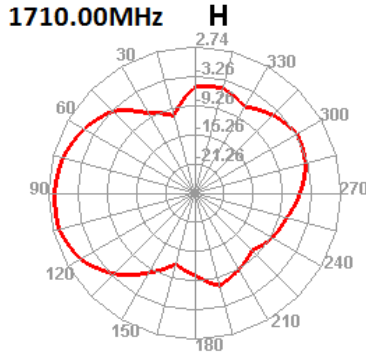
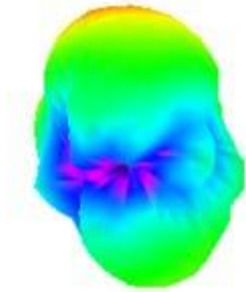


960MHz

Gain: 1.69dBi

Efficiency: 67.65%

1710.00MHz

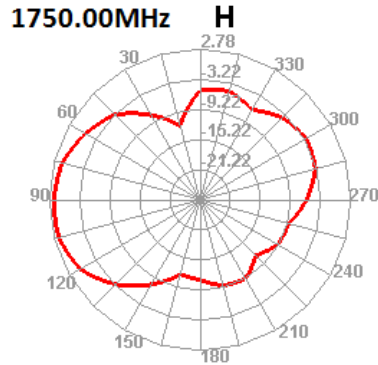
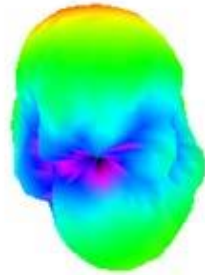


1710MHz

Gain:2.67dBi

Efficiency: 66.46%

1750.00MHz

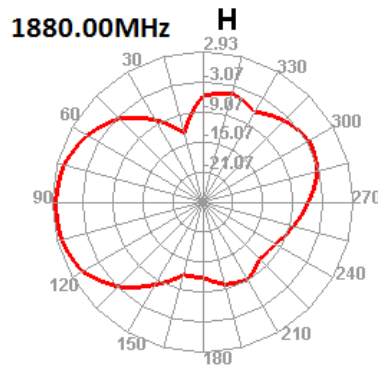
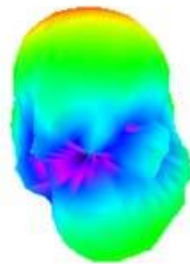


1750MHz

Gain:2.78dBi

Efficiency: 65.87%

1880.00MHz

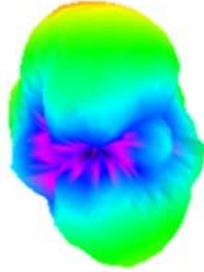


1880MHz

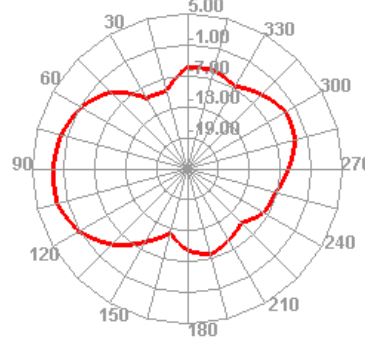
Gain:2.97dBi

Efficiency: 67.53%

1920.00MHz



1920.00MHz H

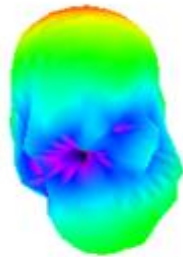


1920MHz

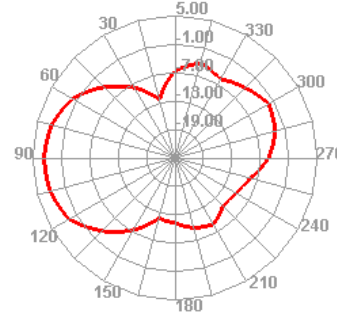
Gain:2.46dBi

Efficiency: 63.25%

2100.000MHz



2100.000MHz H

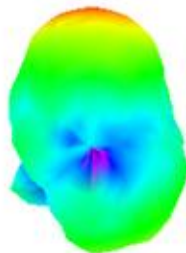


2100MHz

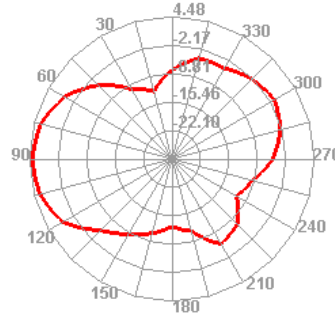
Gain:3.13dBi

Efficiency: 64.28%

2170.000MHz



2170.000MHz H

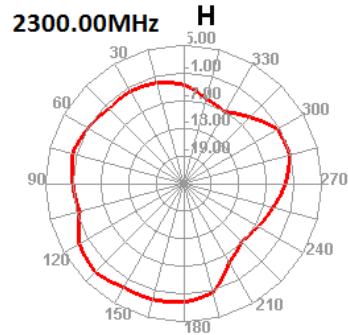
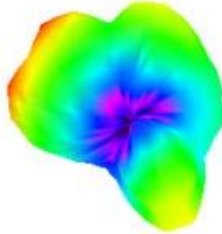


2170MHz

Gain:3.37dBi

Efficiency: 67.44%

2300.00MHz

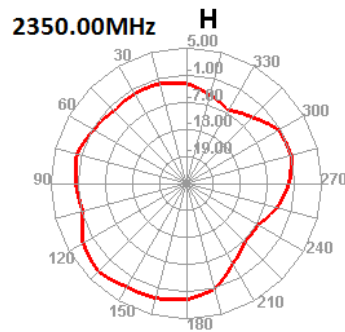
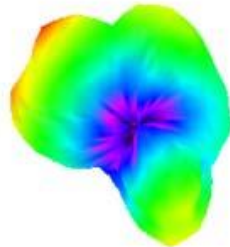


2300MHz

Gain:2.17dBi

Efficiency: 59.36%

2350.00MHz

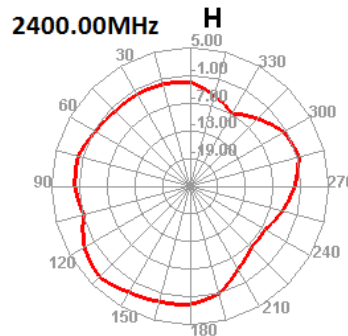
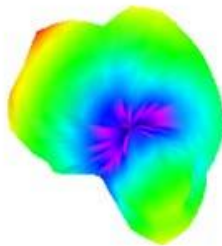


2350MHz

Gain:2.35dBi

Efficiency: 61.25%

2400.00MHz

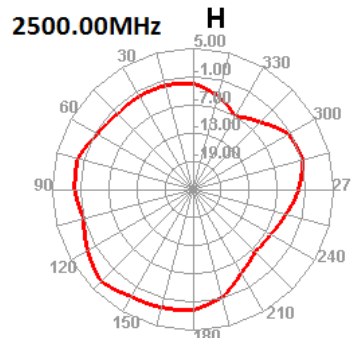
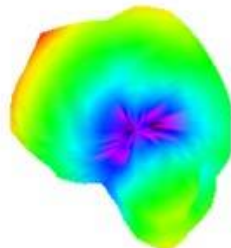


2400MHz

Gain:2.64dBi

Efficiency: 63.45%

2500.00MHz



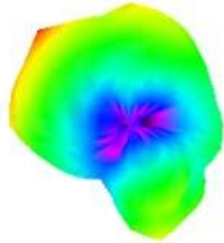
2500MHz

Gain:2.65dBi

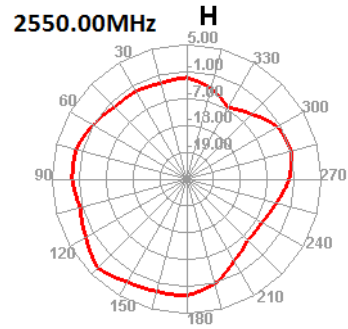
Efficiency: 64.21%

VINSURWAVES

2550.00MHz



2550MHz



Gain:2.87dBi

Efficiency: 65.43%