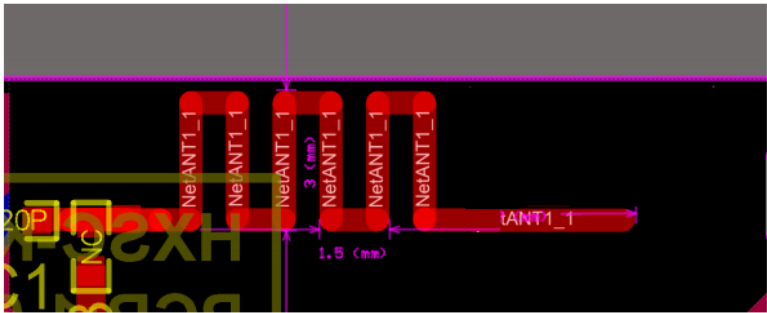


Antenn Specification

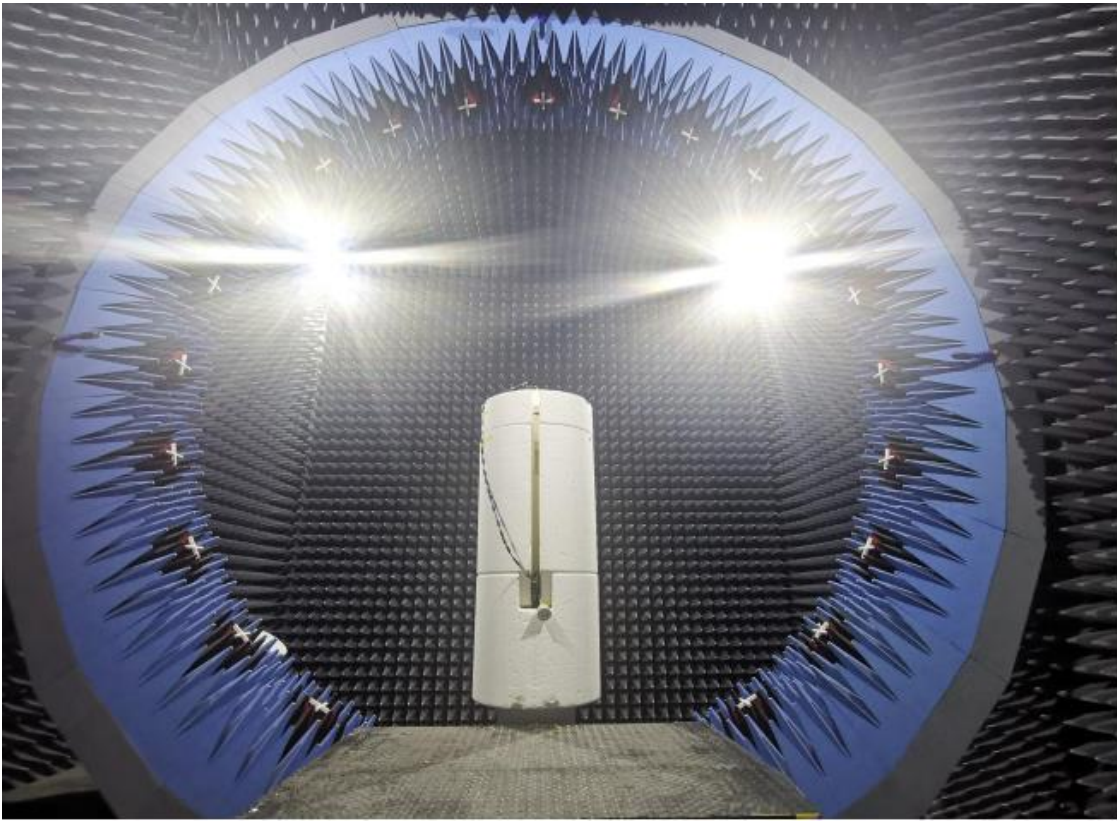
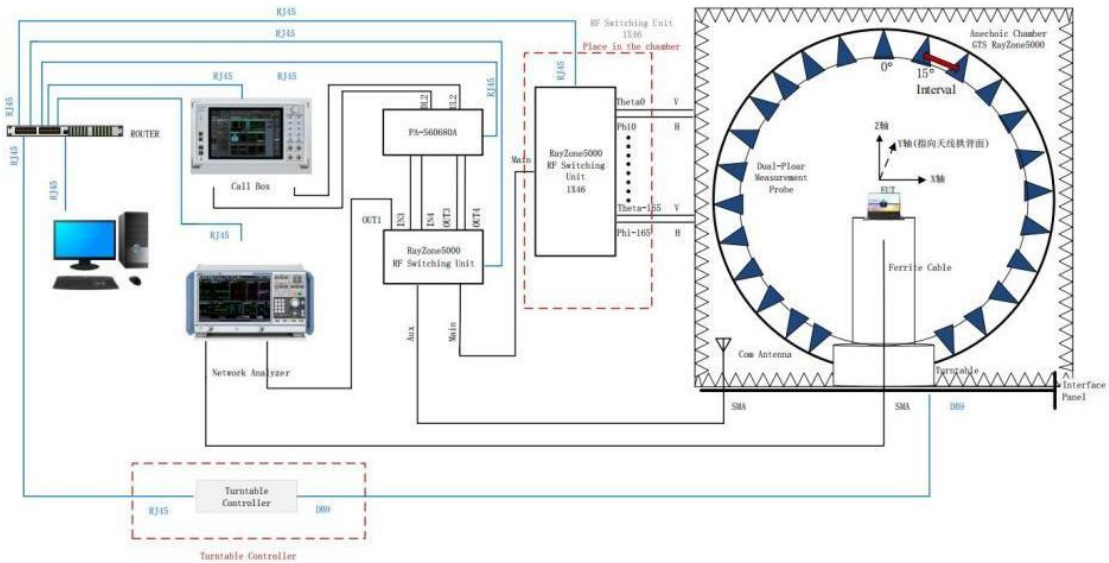
Manufacturer: Shenzhen Huaxing Shuangchen Technology Co., Ltd
Address: 2nd Floor, East Side, Building E, Huichao Industrial Zone, Hengnan Road,
Xixiang Street, Bao'an District, Shenzhen
Model: V96

Frequency range	2400-2500MHz
VSWR	≤7.0
Input impedance	50Ω
Peak Gain(dBi)	1.6
Antenna type	PCB Antenna
Temperature	-40~80

Size:
35.2mm*1.3mm



Test setup

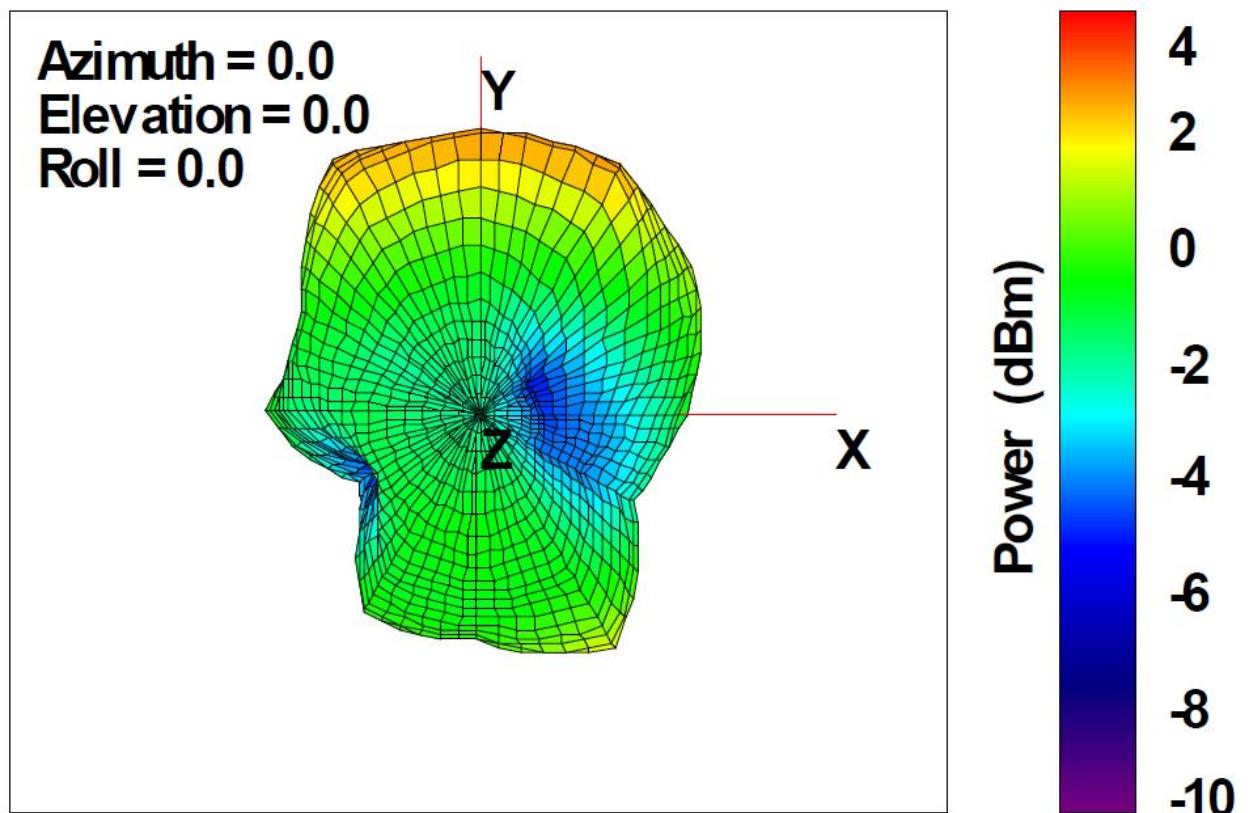


1. Main antenna : 2405MHz

1.1

Horizontal

Total EIRP, Top View



Frequency (MHZ) : 2405 Antenna Polarity: Horizontal

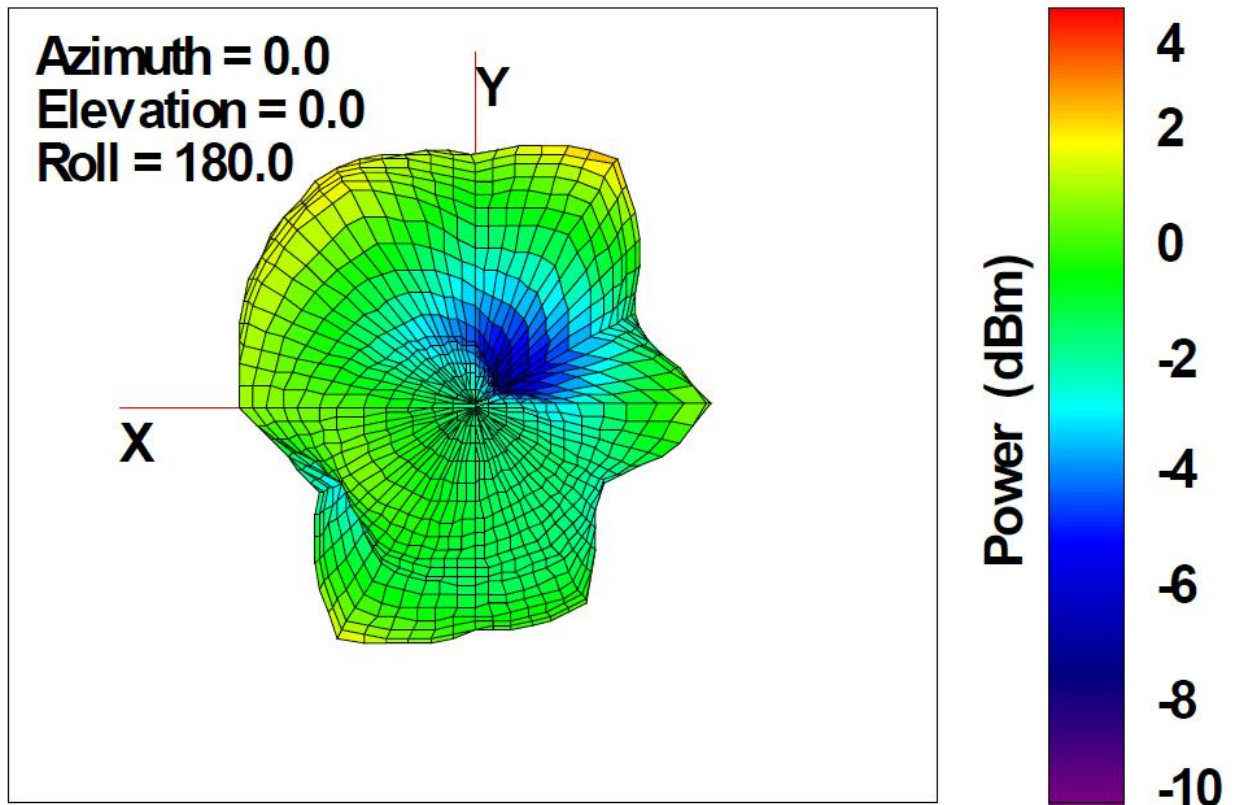
Maximum Value (dBi) : 1.6

Average Gain (dBi) : -1.4

Minimum Gain (dBi) : -61.26

1.2 Vertical

Total EIRP, Bottom View



Frequency(MHZ) : 2405 Antenna Polarity: Vertical

Maximum Value(dBi) : -2.85

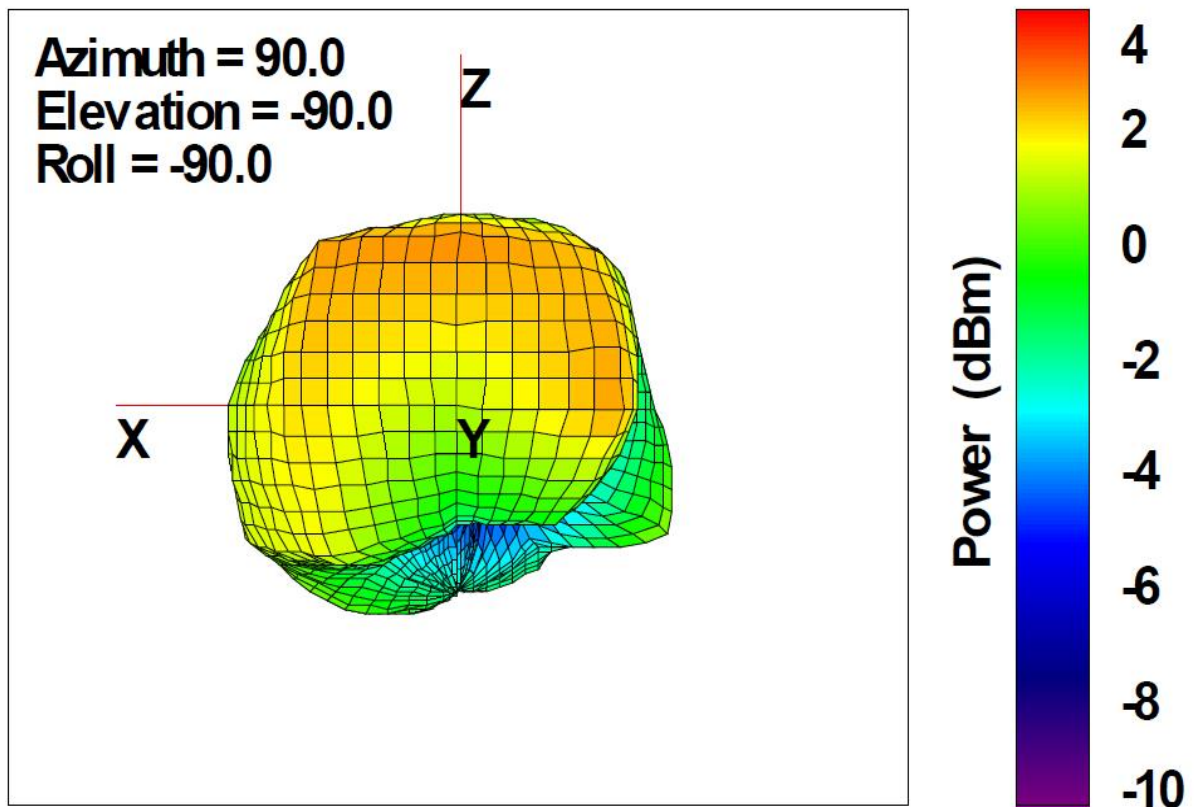
Average Gain(dBi) : -12

Minimum Gain(dBi) : -64

2. Main antenna : 2451 MHz

2.1 Horizontal

Total EIRP, Right Side View



Frequency(MHZ) : 2437 Antenna Polarity: Horizontal

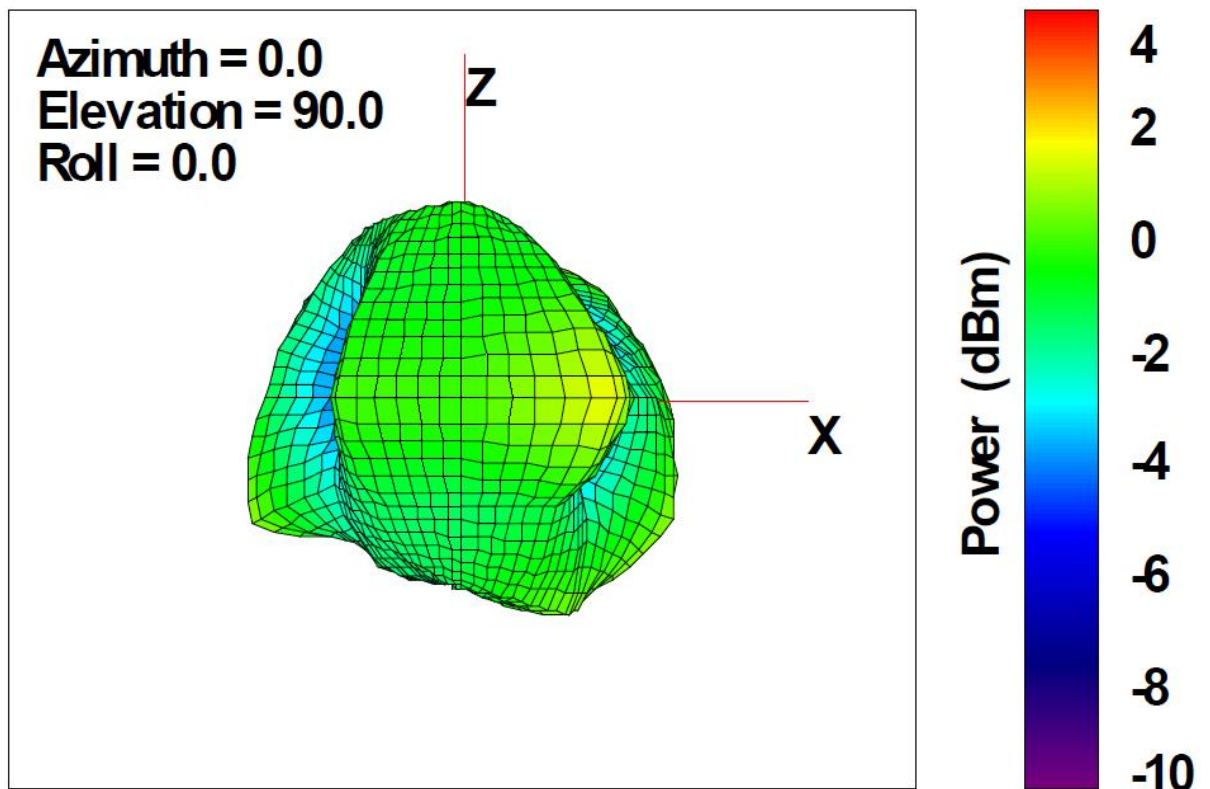
Maximum Value (dBi) : 1.34

Average Gain (dBi) : -1.2

Minimum Gain (dBi) : -60

2.2 Vertical

Total EIRP, Left Side View



Frequency(MHZ) : 2451 Antenna Polarity:

Vertical Maximum Value(dBi) : -3.0

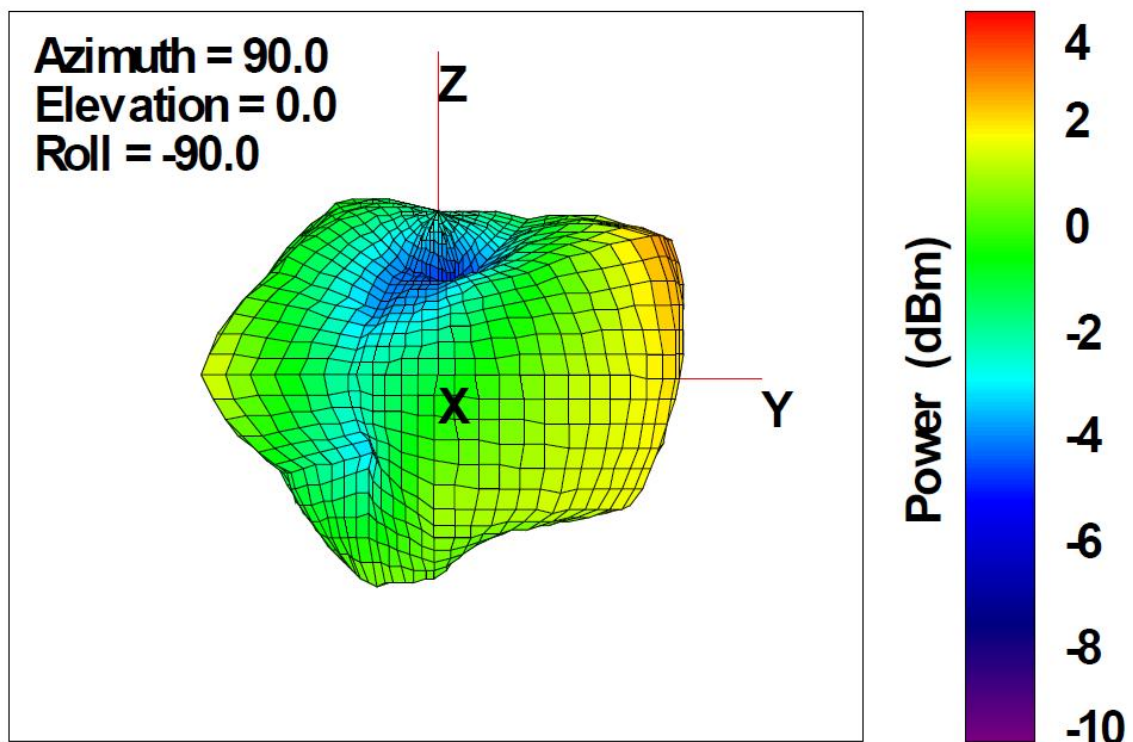
Average Gain(dBi) : -12

Minimum Gain(dBi) : -54

3. Main antenna : 2475MHz

2.1 Horizontal

Total EIRP, Front View



Frequency(MHZ) : 2475 Antenna Polarity: Horizontal

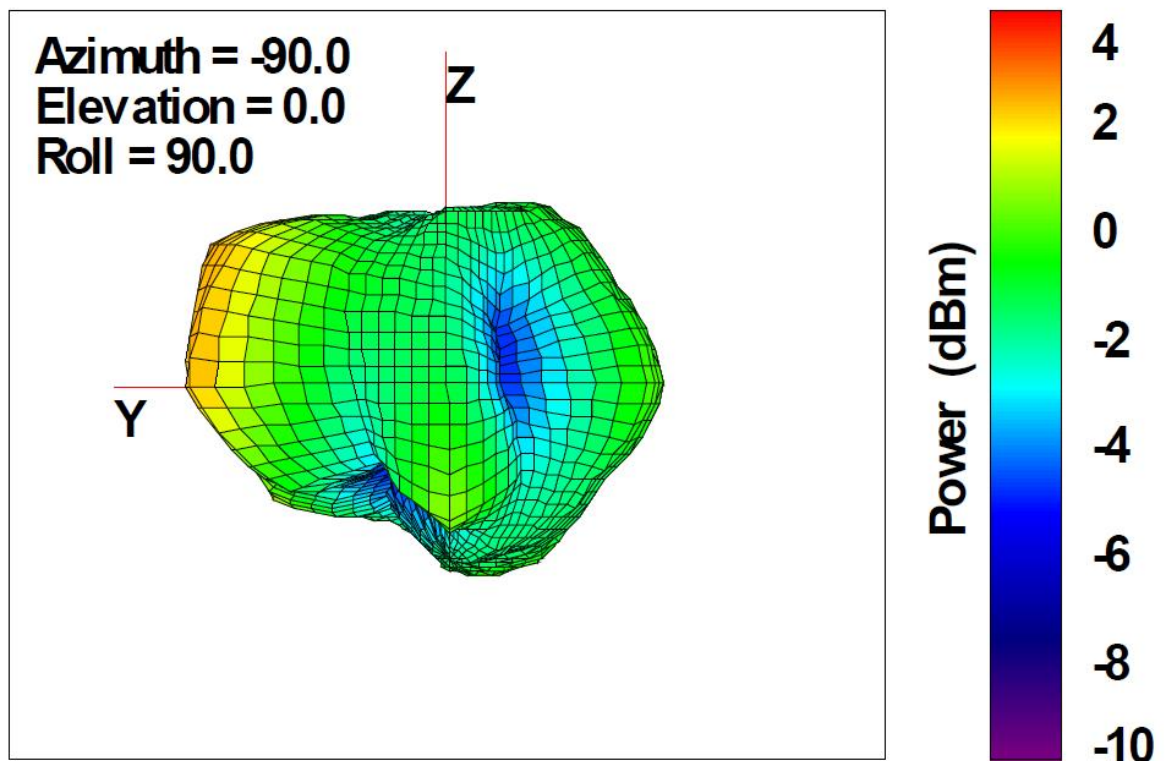
Maximum Value(dBi) : 1.4

Average Gain(dBi) : -2.5

Minimum Gain(dBi) : -52

2.2 Vertical

Total EIRP, Back View



Frequency(MHZ) : 2475 Antenna Polarity: Vertical

Maximum Value(dBi) : -4.5

Average Gain(dBi) : -11

Minimum Gain(dBi) : -50

PCB Antenna Simulation

(S11)

Ansoft Corporation
XY Plot 1
HFSSDesign1

BW(RL<10dB): 90 MHz

