

Antenna Report

Test information

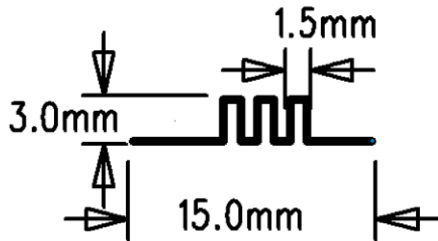
Product Name : MS-394

Manufacturer : Dingnan Jinpeng Electronic Co., LTD

Address: Jinpeng Industrial Park, Futian Industrial Park, Dingnan County, Ganzhou City, Jiangxi Province, China

Antenna Type : PCB antenna

Antenna Size: 15mm x 3mm



Project Engineer : Issac

Test Standards : ANSI/IEEE Std 149-2021

Test software being used: Emquest

Software Version:1.13

Summary

Test Frequency

2405MHz 2.36dBi

2440MHz 1.85dBi

2470MHz 1.03dBi

MAX. GAIN 2.36 dBi

Polarization Horizontal

Azimuth Beam Pattern Omni directional

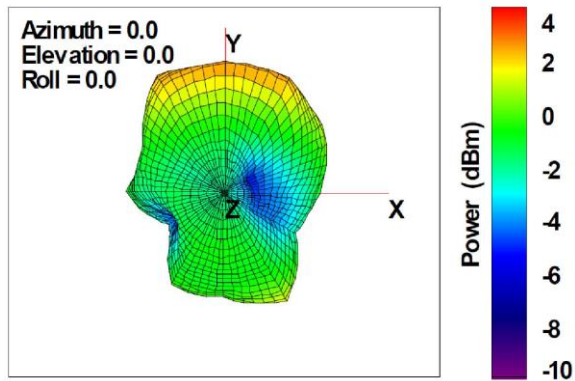
Impedance 50Ω

Test Plots

1. Main antenna : 2405MHz

1 . 1 H o r i z o n t a l

Total EIRP, Top View



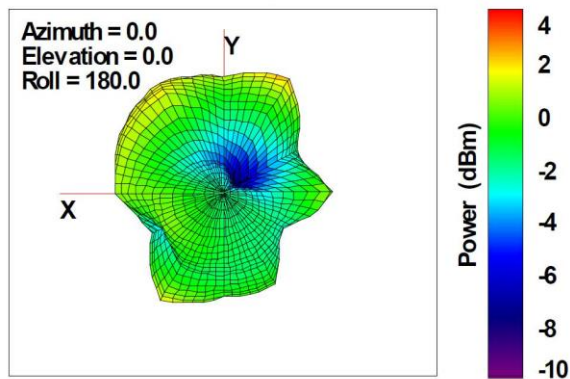
Frequency (MHZ): 2405 Antenna Polarity: Horizontal

Horizontal Maximum Value (dBi): 2.36

Average Gain (dBi) : - 1.4

Minimum Gain (dBi):-61.26

Total EIRP, Bottom View



Frequency (MHZ): 2405 Antenna Polarity: Vertical

Maximum Value (dBi): -2.85

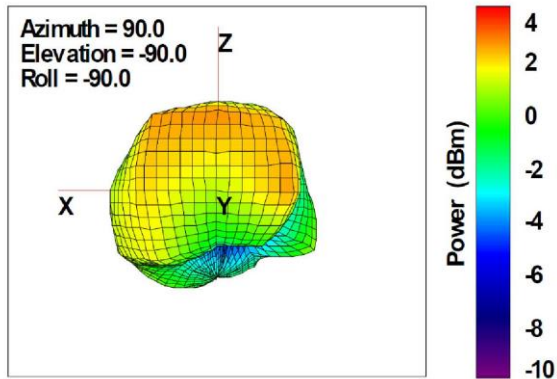
Average Gain (dBi): -12

Minimum Gain dBi: -64

2. Main antenna : 2440 MHz

2.1 Horizontal

Total EIRP, Right Side View



Frequency (MHZ): 2440 Antenna Polarity:Horizontal

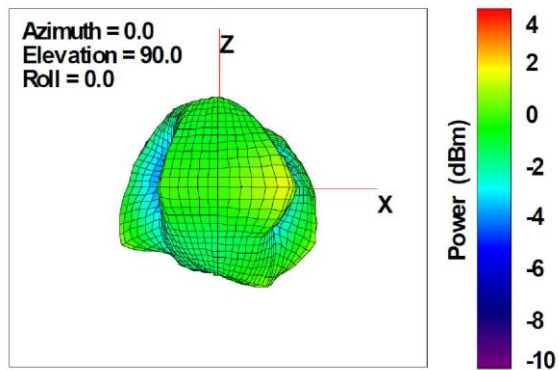
Maximum Value (dBi): 1.85

Average Gain (dBi): - 1.2

Minimum Gain(dBi):- 60

2.2 Vertical

Total EIRP, Left Side View



Frequency (MHZ): 2440 Antenna Polarity: Vertical

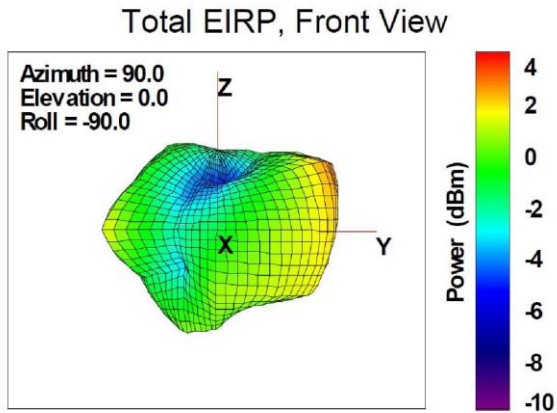
Maximum Value (dBi): -3.0

Average Gain(dBi) : -12

Minimum Gain (dBi) : -54

3. Main antenna : 2470MHz

2.1 Horizontal



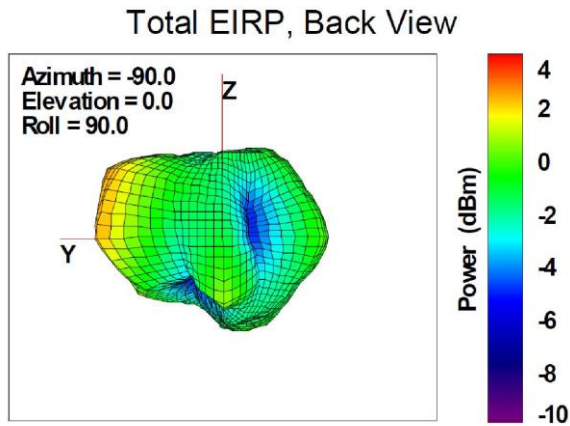
Frequency (MHZ): 2470 Antenna Polarity : Horizontal

Maximum Value (dBi) : 1.03

Average Gain (dBi) : - 2.5

Minimum Gain (dBi) : - 52

2.2 Vertical



Frequency (MHZ) : 2470 Antenna Polarity : Vertical

Maximum Value (dBi): - 4.5

Average Gain (dBi): - 11

Minimum Gain (dBi): - 50

Setup Photos

