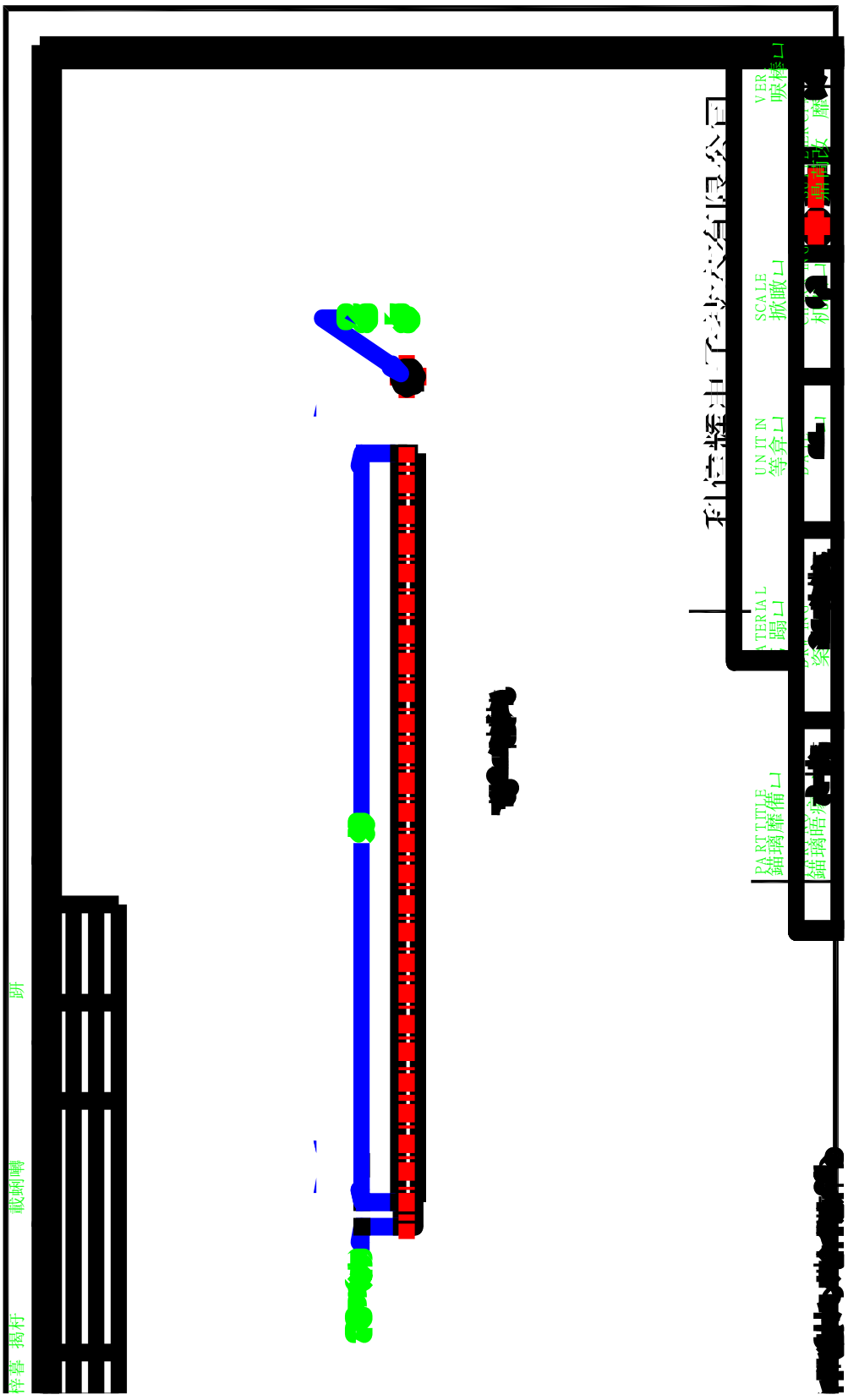
# Antenna Specification



# Product Specification

A. Electrical Characteristics

**Frequency 2400MHz ~2500MHz**

**VSWR <3.0**

**Efficiency >30%**

**Impedance 50 Ohm**

**Polarization Line**

**Gain 0DBi**

B. Material & Mechanical Characteristics

**Material of Radiator Cu**

**Cable Type 1.0 19P**

**Connector Type : NO**

**Dimension**

C. Environmental

**Operation Temperature - 30 °C ~ + 80 °C**

**Storage Temperature - 30 °C ~ + 85 °C**

# Test Equipment & Conditions

## 1. Network Analyzers :

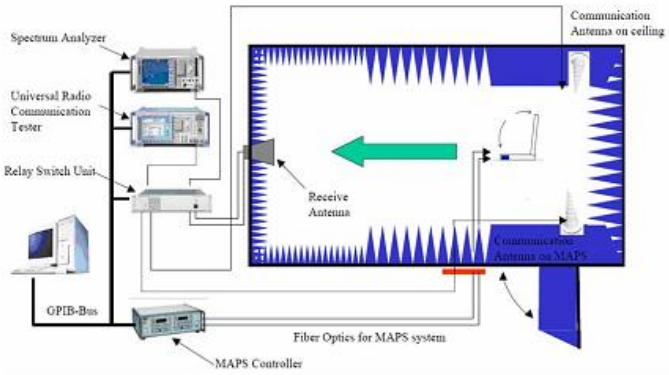
Agilent 8753D 5071B

## 2. Communications Test Set:

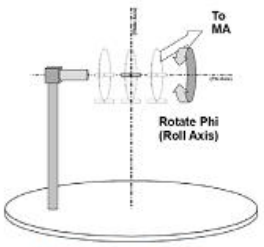
Agilent E5515C

## 3. 3D Chamber Test System

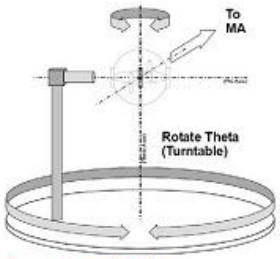
# Effiency &Gain




(Testing by 3D anechoic chamber)




Phi axis test

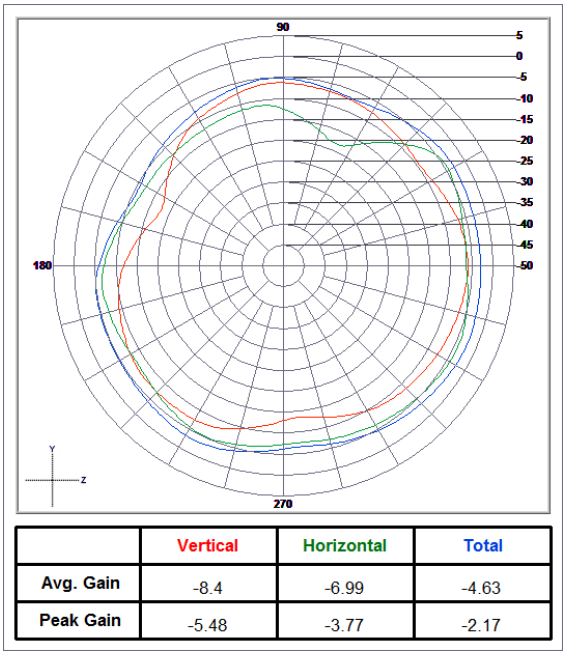



Theta axis test

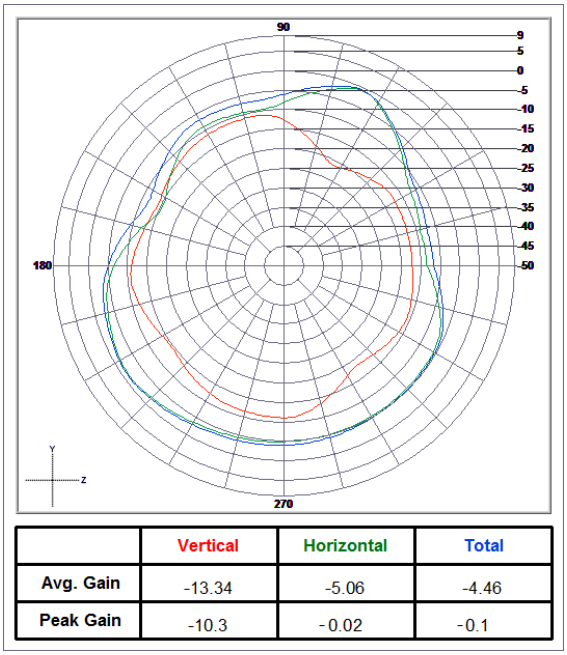
# Effiency &Gain

| | |
|---|---|
| **2.40** | **-0.00** |
| **2.440** | **-0.11** |
| **2.48** | **-0.13** |

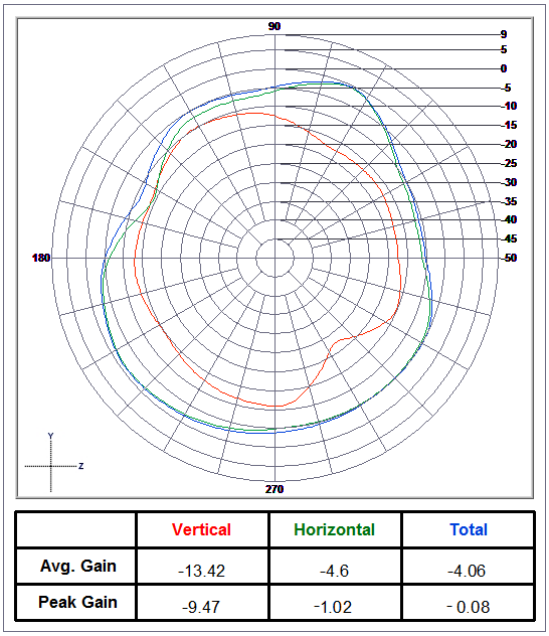
# Radiation Pattern:



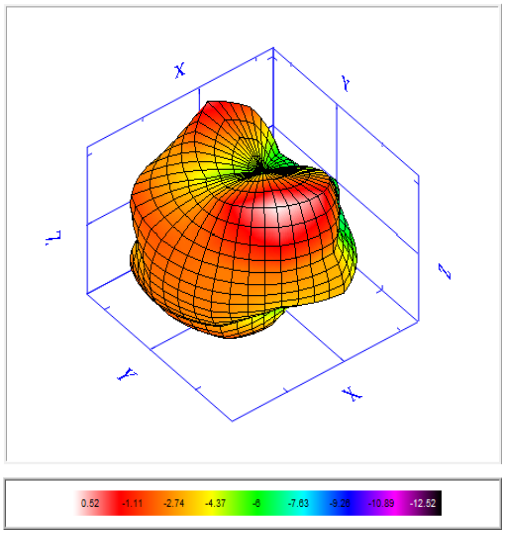

| | Vertical | Horizontal | Total |
|---|---|---|---|
| Avg. Gain | -8.4 | -6.99 | -4.63 |
| Peak Gain | -5.48 | -3.77 | -2.17 |

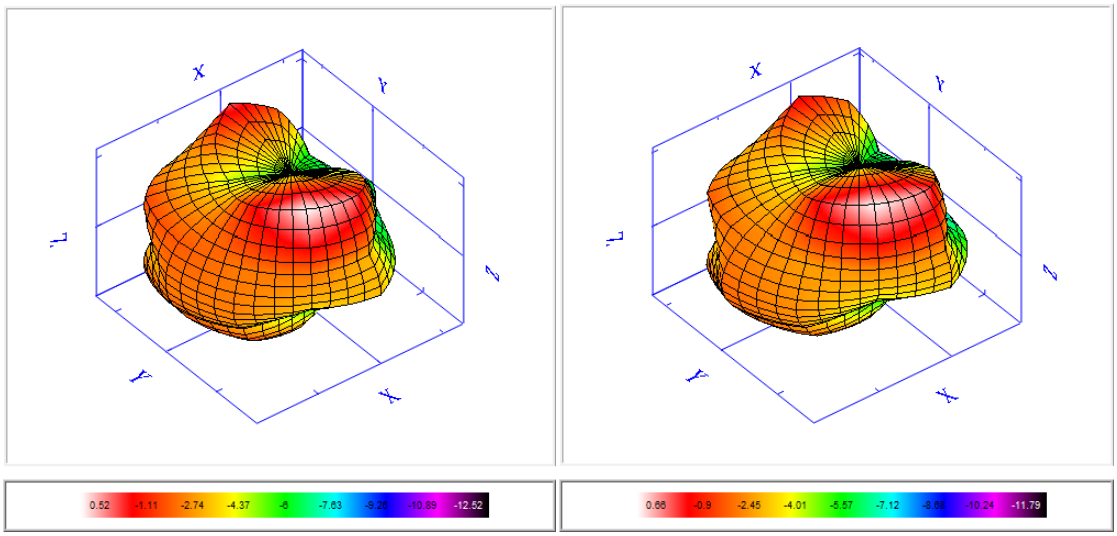



| | Vertical | Horizontal | Total |
|---|---|---|---|
| Avg. Gain | -13.34 | -5.06 | -4.46 |
| Peak Gain | -10.3 | -0.02 | -0.1 |




| | Vertical | Horizontal | Total |
|---|---|---|---|
| Avg. Gain | -13.42 | -4.6 | -4.06 |
| Peak Gain | -9.47 | -1.02 | -0.08 |




X
Y
Z
Y
X
Z
Y
X
0.52 -1.11 -2.74 -4.37 -6 -7.63 -9.26 -10.89 -12.52
0.66 -0.9 -2.45 -4.01 -5.57 -7.12 -8.68 -10.24 -11.79