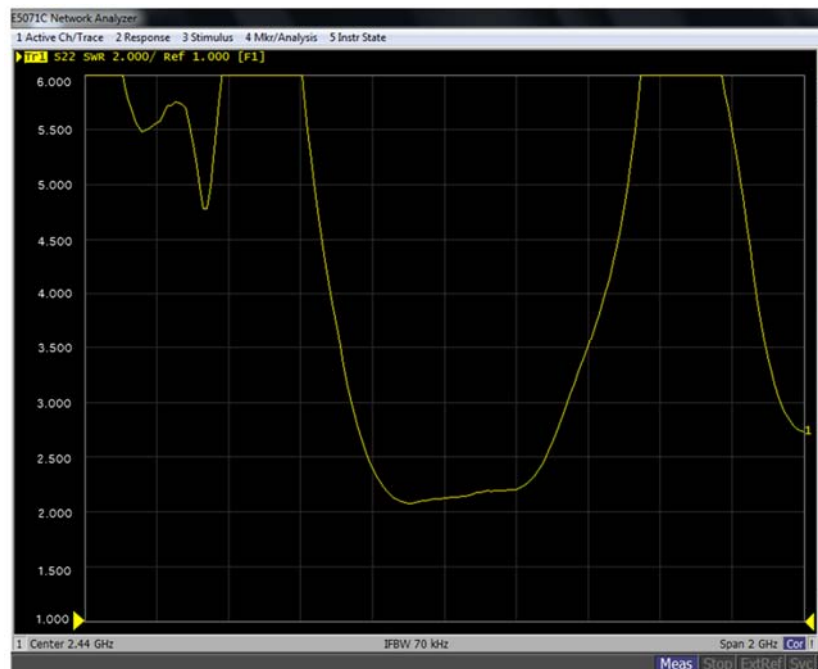


Specification of DP01 Bluetooth Antenna

1. **Brief Description** : Inverted-F Patch Antenna (IFA) plotted and etched on the PC-board sized L108 x W44.4 x T1.0 mm, L17.0 x W7.7 mm, 1oz Cu thickness
2. **Operating Frequency Range**: 2400~2480MHz
3. **Max Total Gain vs Frequency Table**:

Frequency (GHz)	2.40	2.44	2.48
Max Gain (dBi)	-1.45	-1.21	-1.29

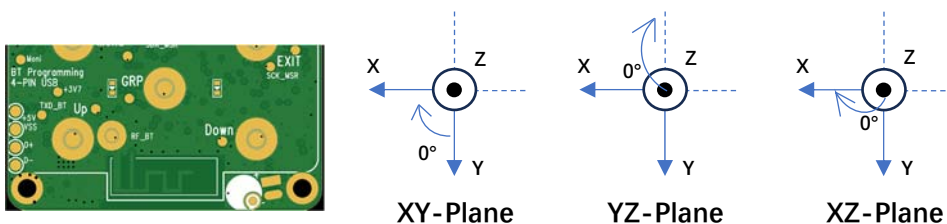
4. **Impedance** : 50 OHM
5. **VSWR** : 2.2 Max



Measured VSWR at the Feed Point of the Antenna

6. **Assembly Method** : The antenna is naturally etched on the board during PCB's manufacturing and connected to the electrical circuits on the board, without the need for additional installation
7. **Radiation Patterns** : (See the below)

All measurements were performed with 0 dBm output power.



XY-Plane Vertical Polarization Gain (dBi)

Measured

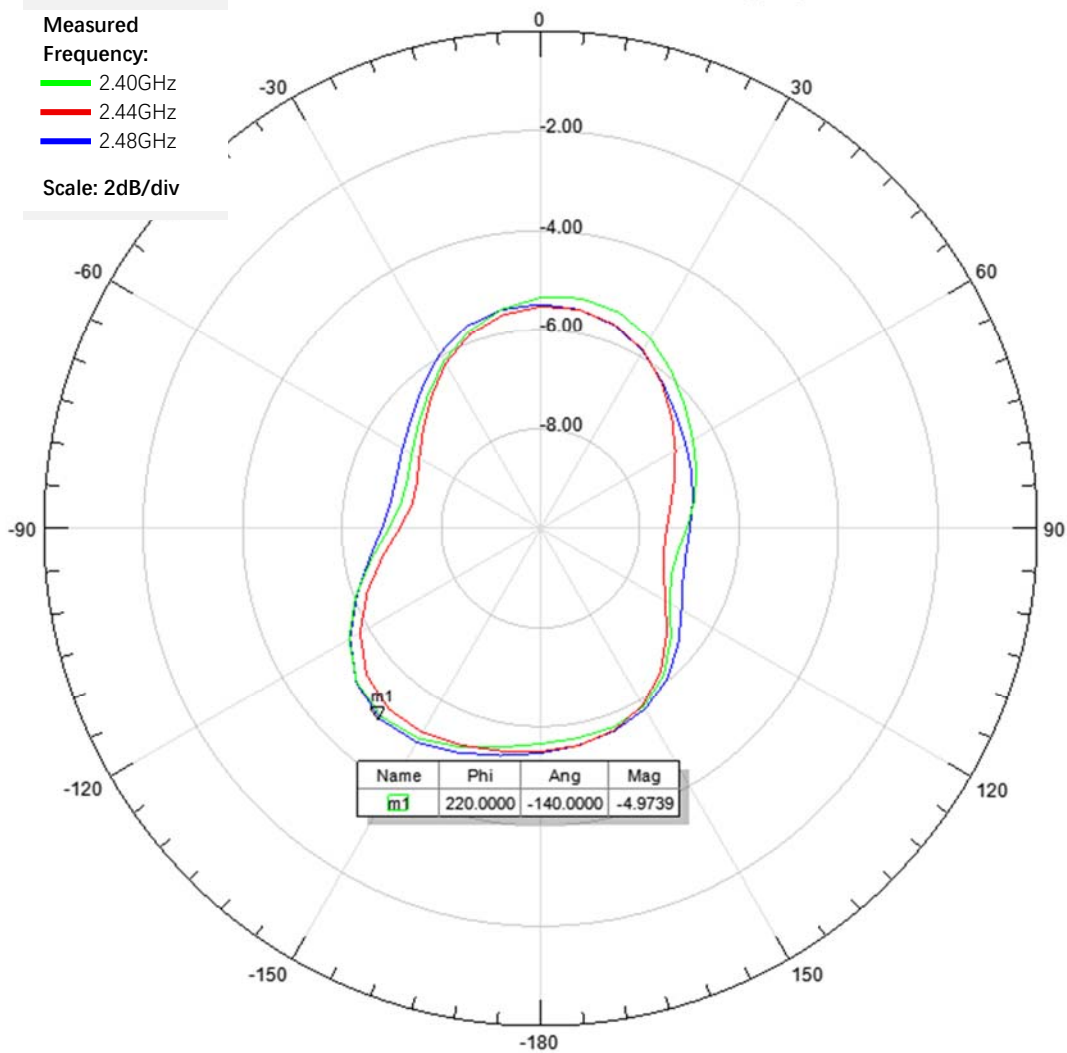
Frequency:

2.40GHz

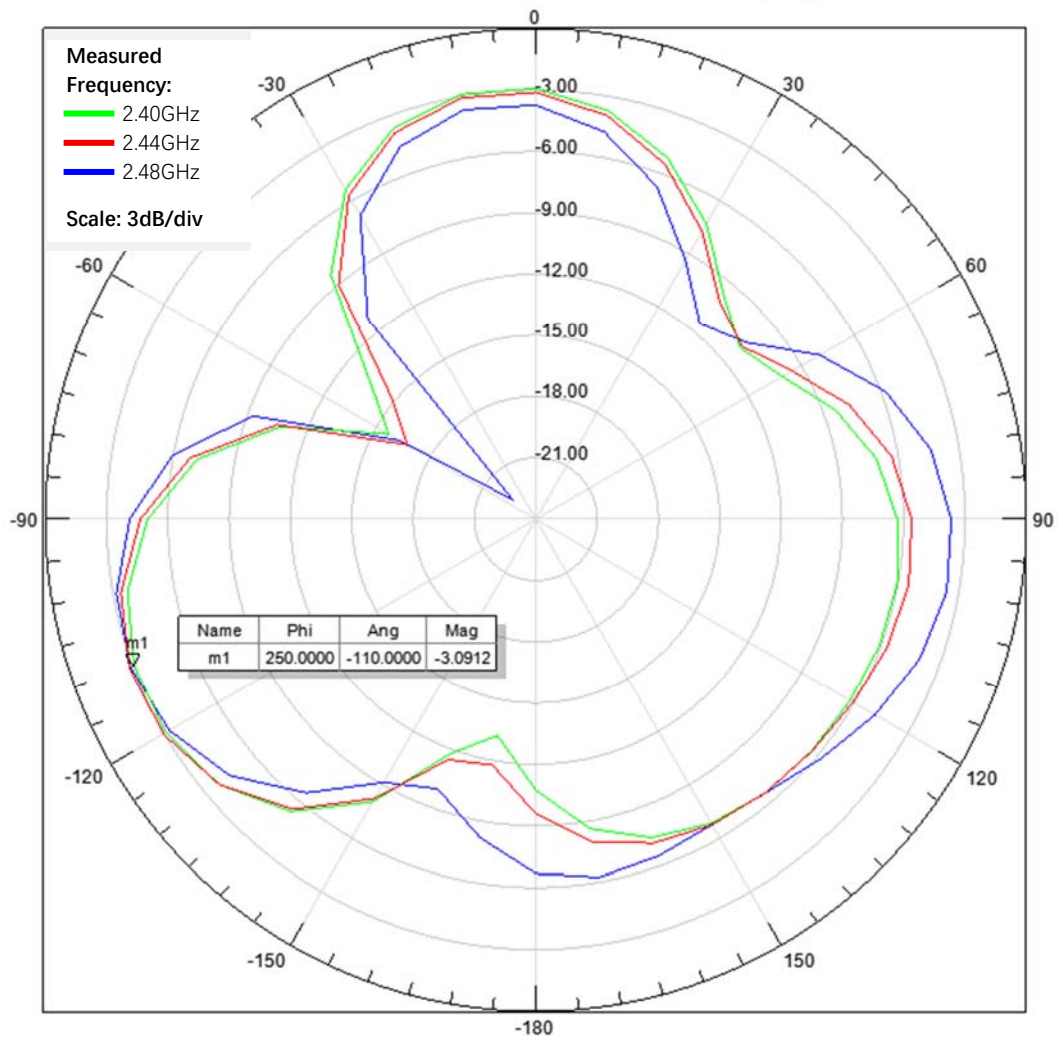
2.44GHz

2.48GHz

Scale: 2dB/div



XY-Plane Horizontal Polarization Gain (dBi)



XZ-Plane Vertical Polarization Gain (dBi)

Measured

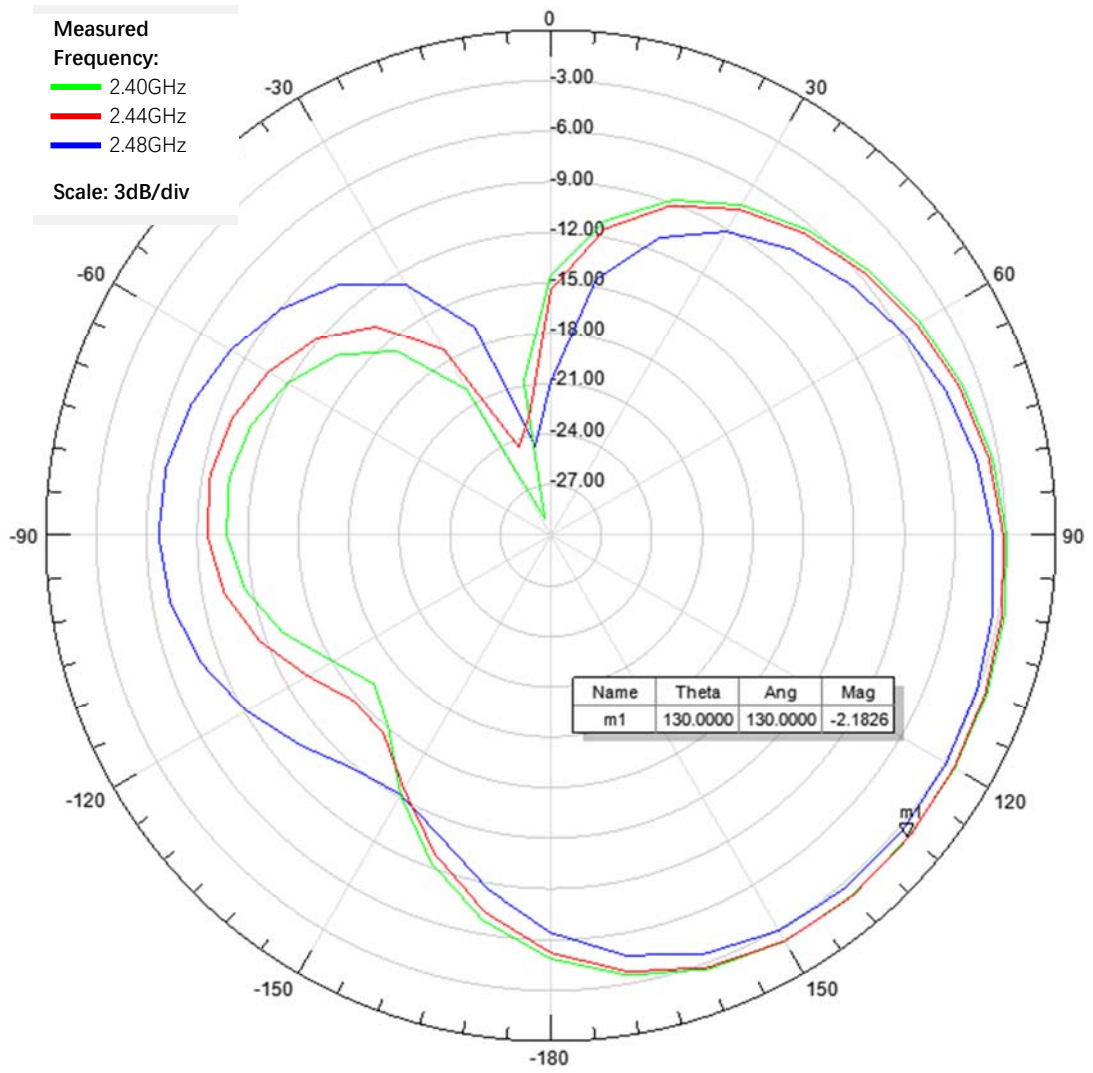
Frequency:

2.40GHz

2.44GHz

2.48GHz

Scale: 3dB/div



XZ-Plane Horizontal Polarization Gain (dBi)

Measured

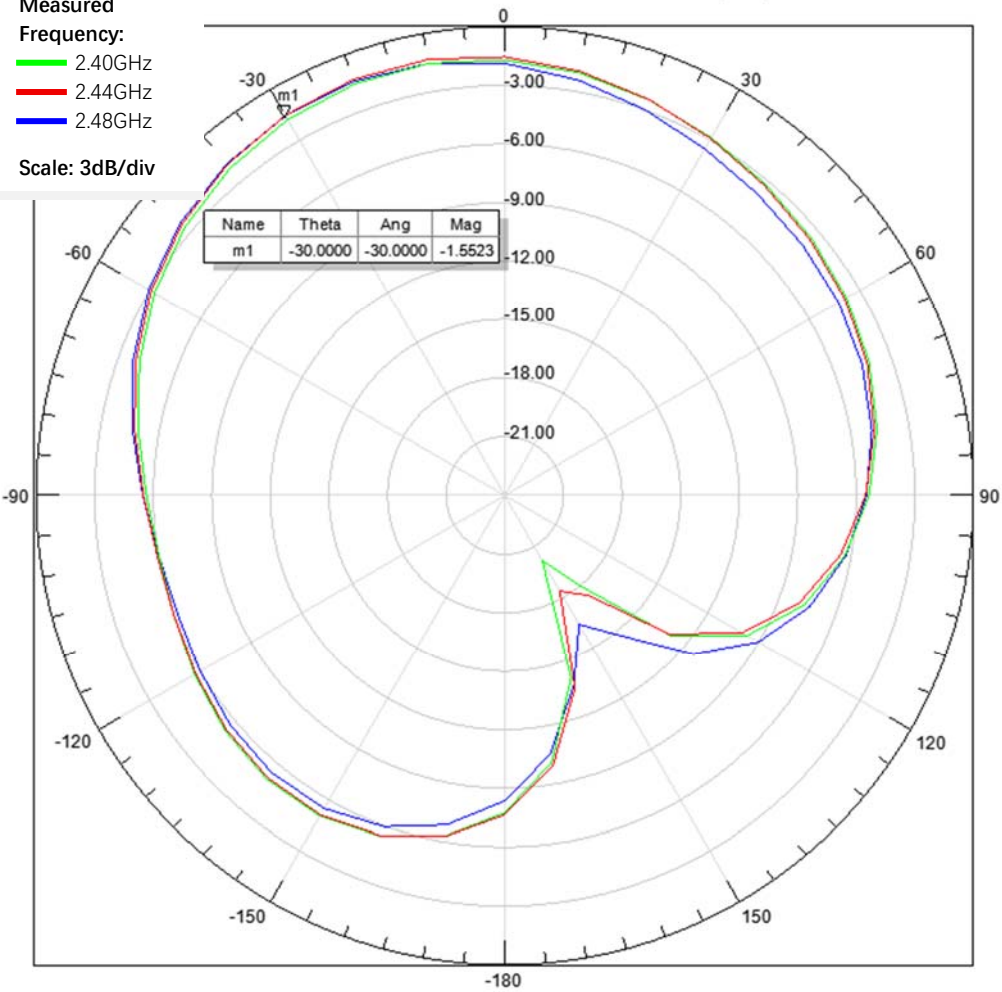
Frequency:

2.40GHz

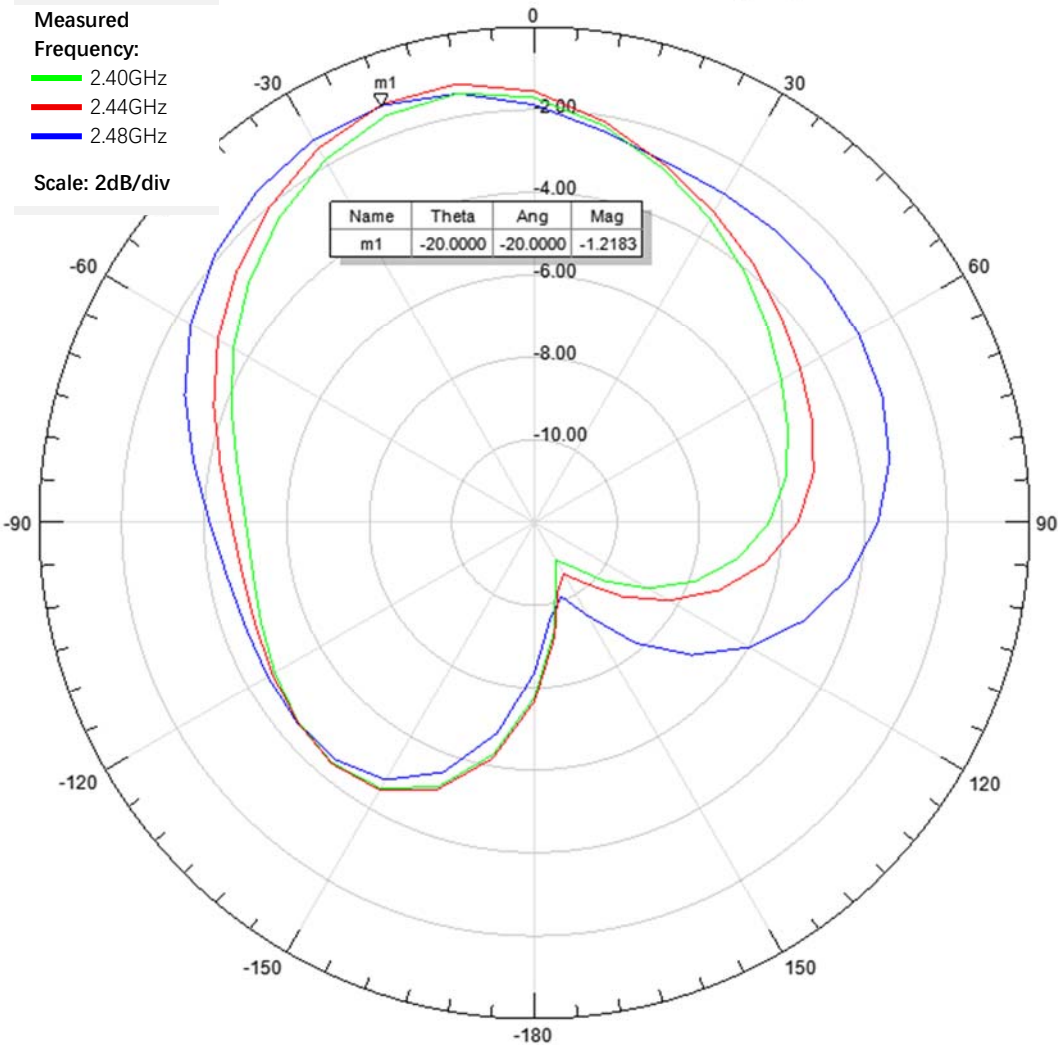
2.44GHz

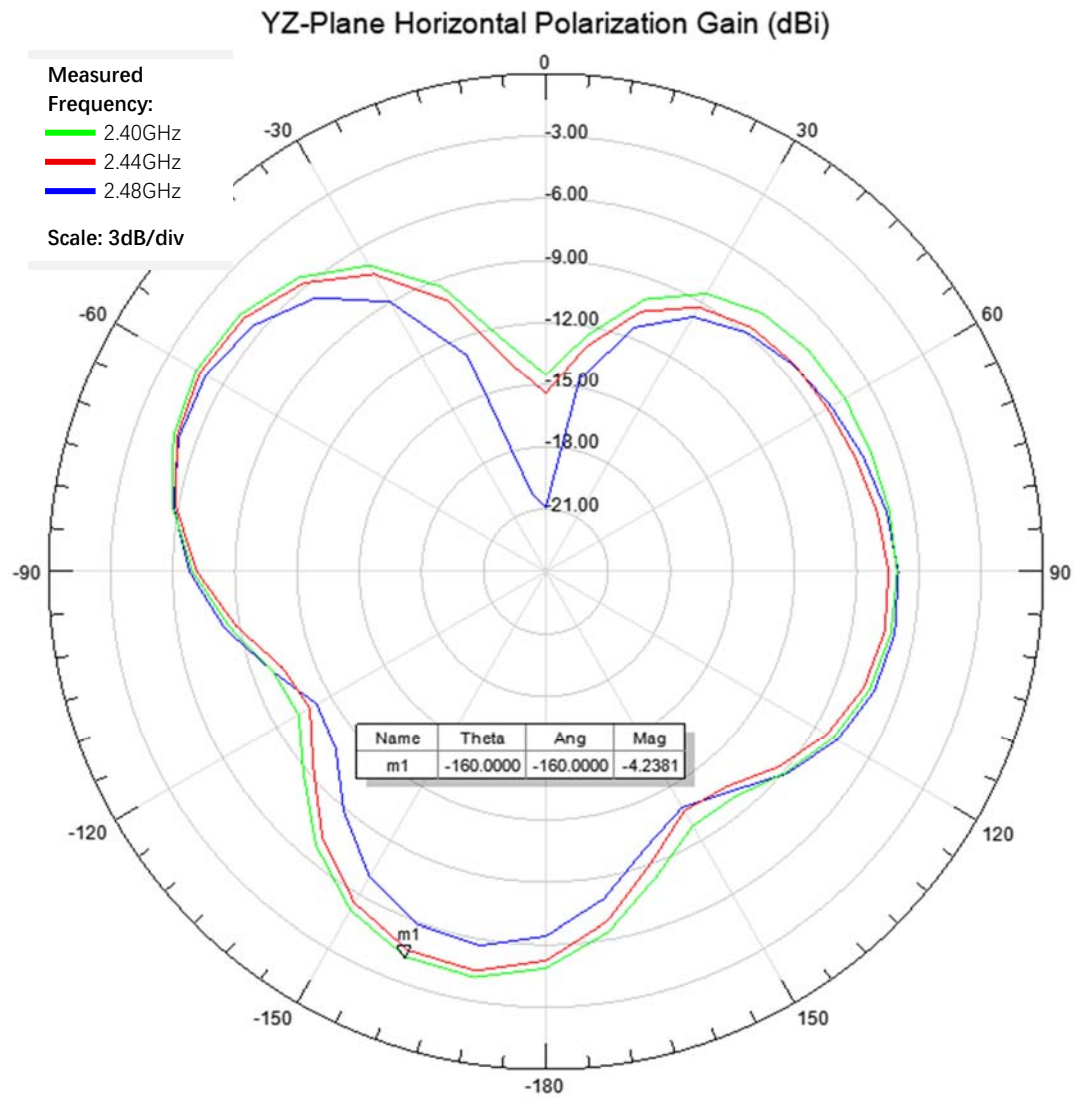
2.48GHz

Scale: 3dB/div

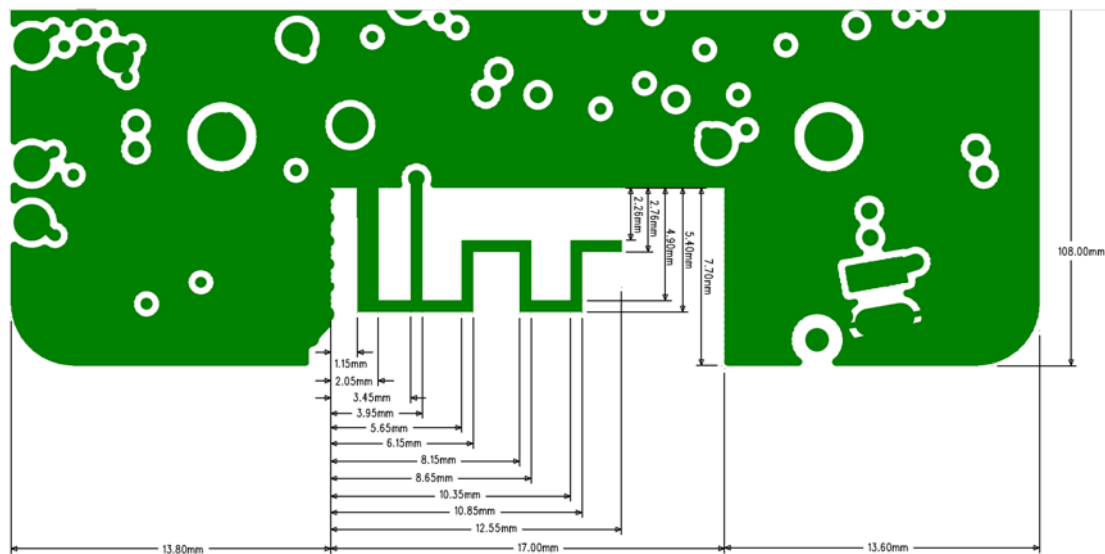


YZ-Plane Vertical Polarization Gain (dBi)





8. Antenna Dimensions (Unit: mm):



9. Manufacturer Information:

Company: Guangdong Samzuk Technology Co, Ltd

Address: High-Tech Zone Xinggong Avenue East Heyuan City (2/F of Minghuan Electrical Engineering Company Building)

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