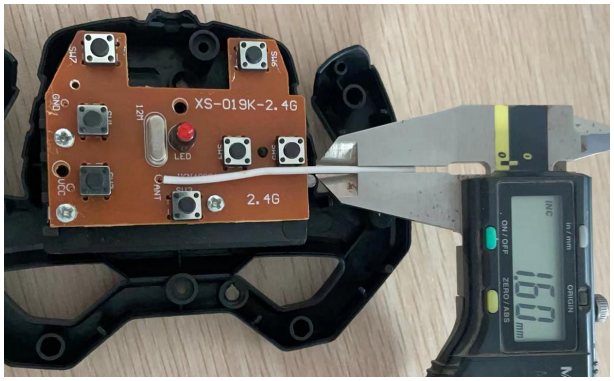
1. Antenna describe:

| | |
|---|---|
| Antenna gain | -6.93 dBi |
| Bluetooth solution | 2517A |
| Frequency range | 2400-2500MHz |
| Connector type | direct |
| Model Name | 2.4G ANT |
| Impedance | 50 Ohm |
| Antenna type | Metal ANT |
| Antenna size: | 60.20mmX1.60mm |
| Manufacture | SHENZHEN ALANTE TECHNOLOGY CO LTD |

Antenna size:



1、 Frequency Band

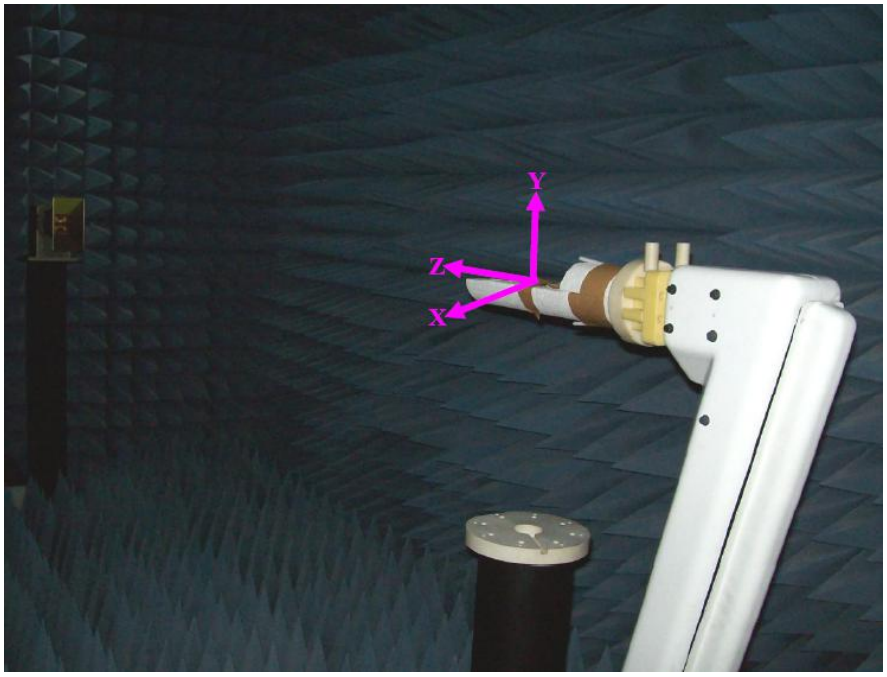
Tx:2400MHz~2480 MHz

Rx:2400 MHz ~2480 MHz

2、Antenna Parameters summary(2440MHz)

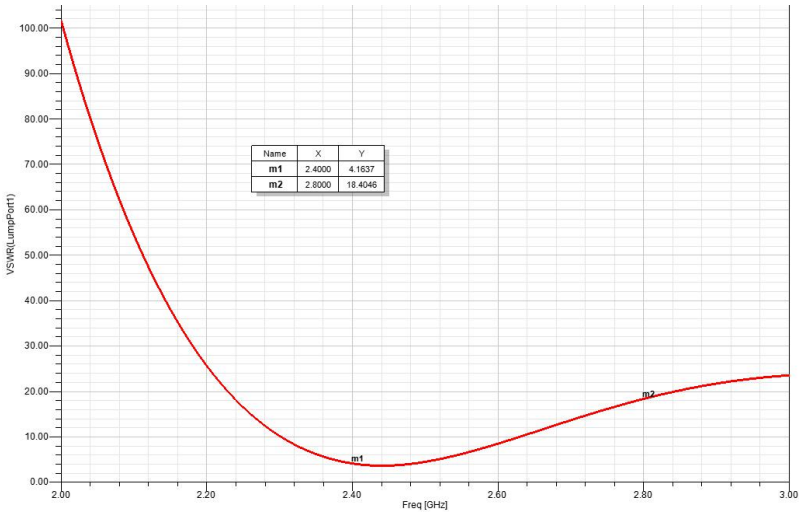
| | Quantity | Value | Units |
|---|---|---|---|
| | Max U | 0.011026 | W/sr |
| | Peak Directivity | 1.3592 | |
| | Peak Gain | -6.93 | |
| | Peak Realized Gain | 0.13856 | |
| | Radiated Power | 0.10194 | W |
| | Accepted Power | 0.67157 | W |
| | Incident Power | 1 | W |
| | Radiation Efficiency | 0.1518 | |
| | Front to Back Ratio | 1.2237 | |
| | Decay Factor | 0 | |

3、Plane definition




| | |
|---|---|
| **XY-plane** | **Theta=90°** |
| **XZ-plane** | **Phi=0°** |
| **YZ-plane** | **Phi=90°** |

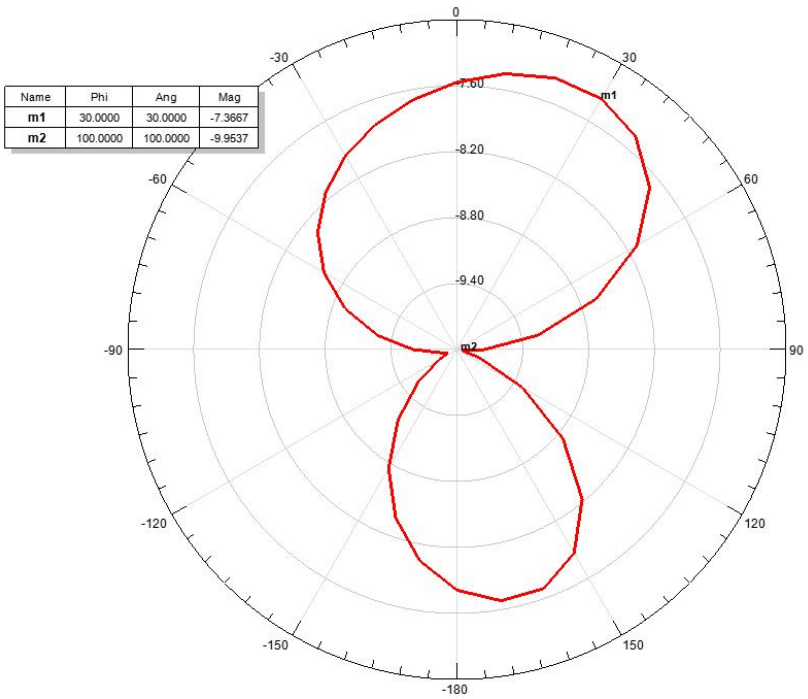
4、VSWR



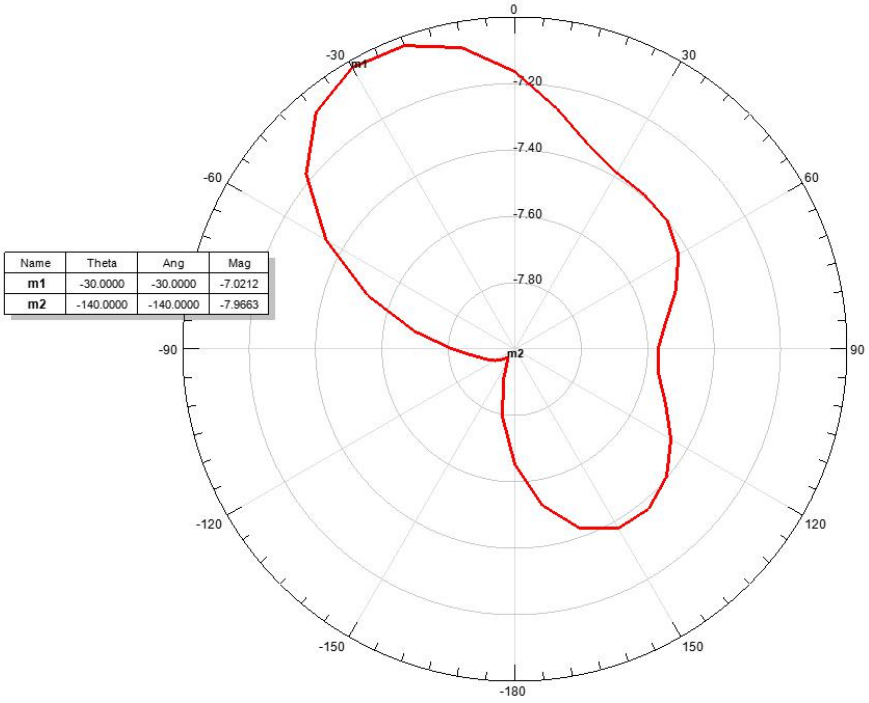

5、Radiation Patterns(GAIN @ 2440MHz)

| Plane | XY | | | XZ | | | YZ | | |
|---|---|---|---|---|---|---|---|---|---|
| Frequency(MHz) | 2400 | 2440 | 2480 | 2400 | 2440 | 2480 | 2400 | 2440 | 2480 |
| Peak Gain (dBi) | -7.35 | -7.36 | -7.37 | -7.1 | -7.02 | -7.15 | -6.98 | -6.93 | -7.05 |

XY-Plane

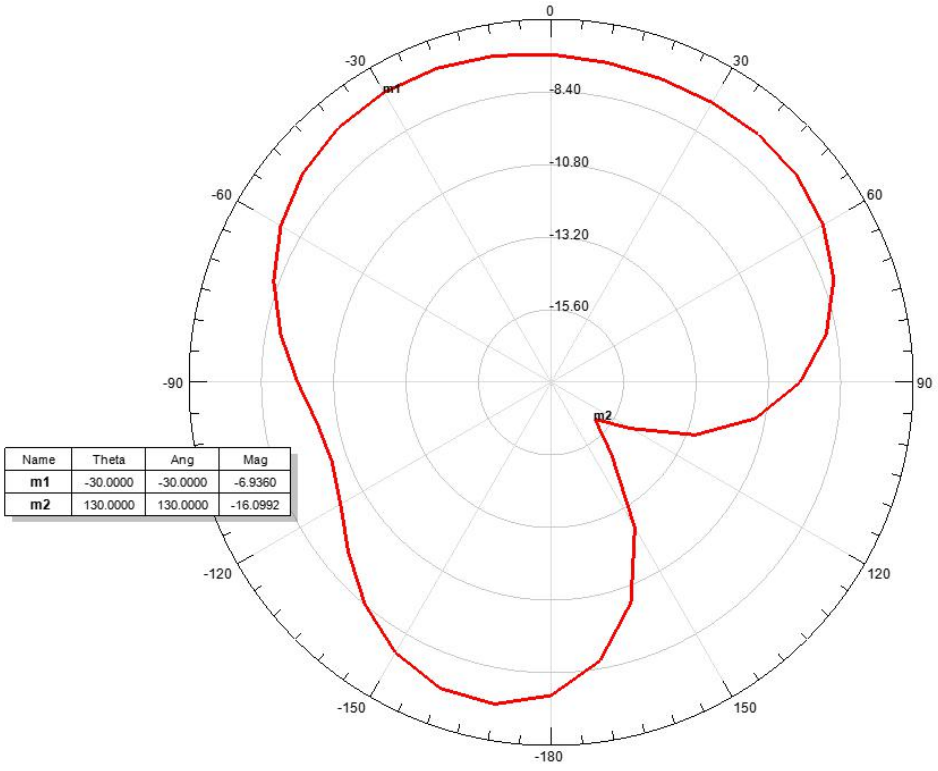



XZ-Plane




| Name | Theta | Ang | Mag |
|---|---|---|---|
| **m1** | -30.0000 | -30.0000 | -7.0212 |
| **m2** | -140.0000 | -140.0000 | -7.9663 |

YZ-Plane




| Name | Theta | Ang | Mag |
|---|---|---|---|
| **m1** | -30.0000 | -30.0000 | -6.9360 |
| **m2** | 130.0000 | 130.0000 | -16.0992 |