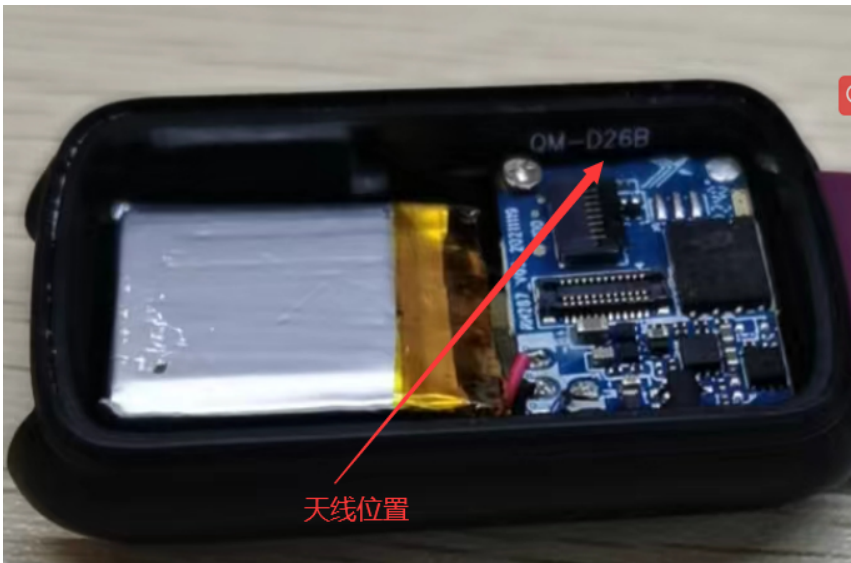


ANTENNA SPECIFICATION

Summary

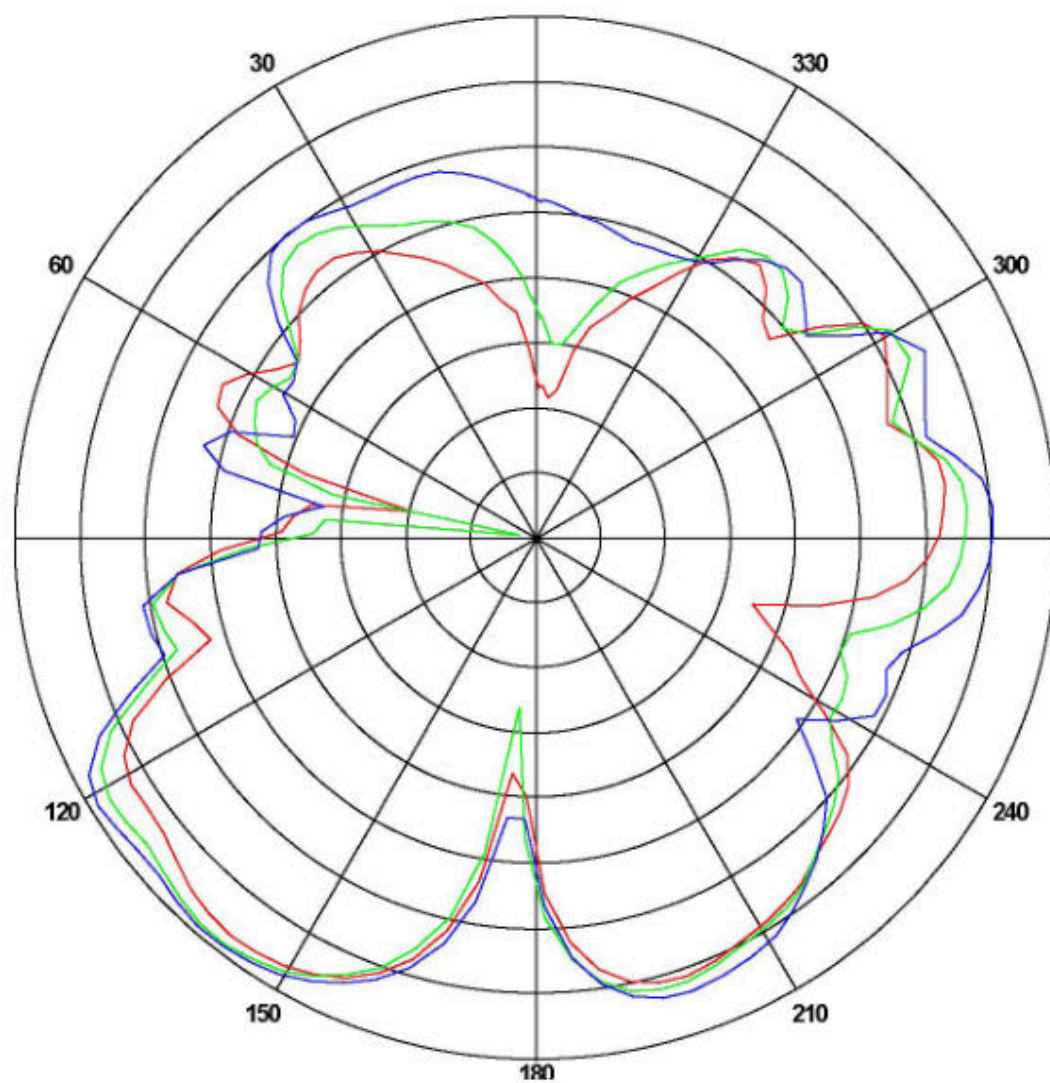
|                      |                         |          |          |          |          |          |
|----------------------|-------------------------|----------|----------|----------|----------|----------|
| ITEM                 | ANT SPEC                |          |          |          |          |          |
| Model Name           | 2.4G ANT                |          |          |          |          |          |
| Center Frequency     | Horizontal              |          |          | Vertical |          |          |
|                      | 2400MHz                 | 2400MHz  | 2500MHz  | 2400MHz  | 2400MHz  | 2500MHz  |
|                      | -2.69dBi                | -2.14dBi | -2.83dBi | -2.55dBi | -3.70dBi | -2.32dBi |
| MAX. Gain            | -2.14dBi                |          |          |          |          |          |
| Polarization         | Horizontal and Vertical |          |          |          |          |          |
| Azimuth Beam Pattern | Omni-directional        |          |          |          |          |          |
| Impedance            | 50 Ohm                  |          |          |          |          |          |
| Antenna Length       | 38.88mm                 |          |          |          |          |          |
| Manufacture          |                         |          |          |          |          |          |



Horizontal: 2400 MHz 2450 MHz 2500 MHz

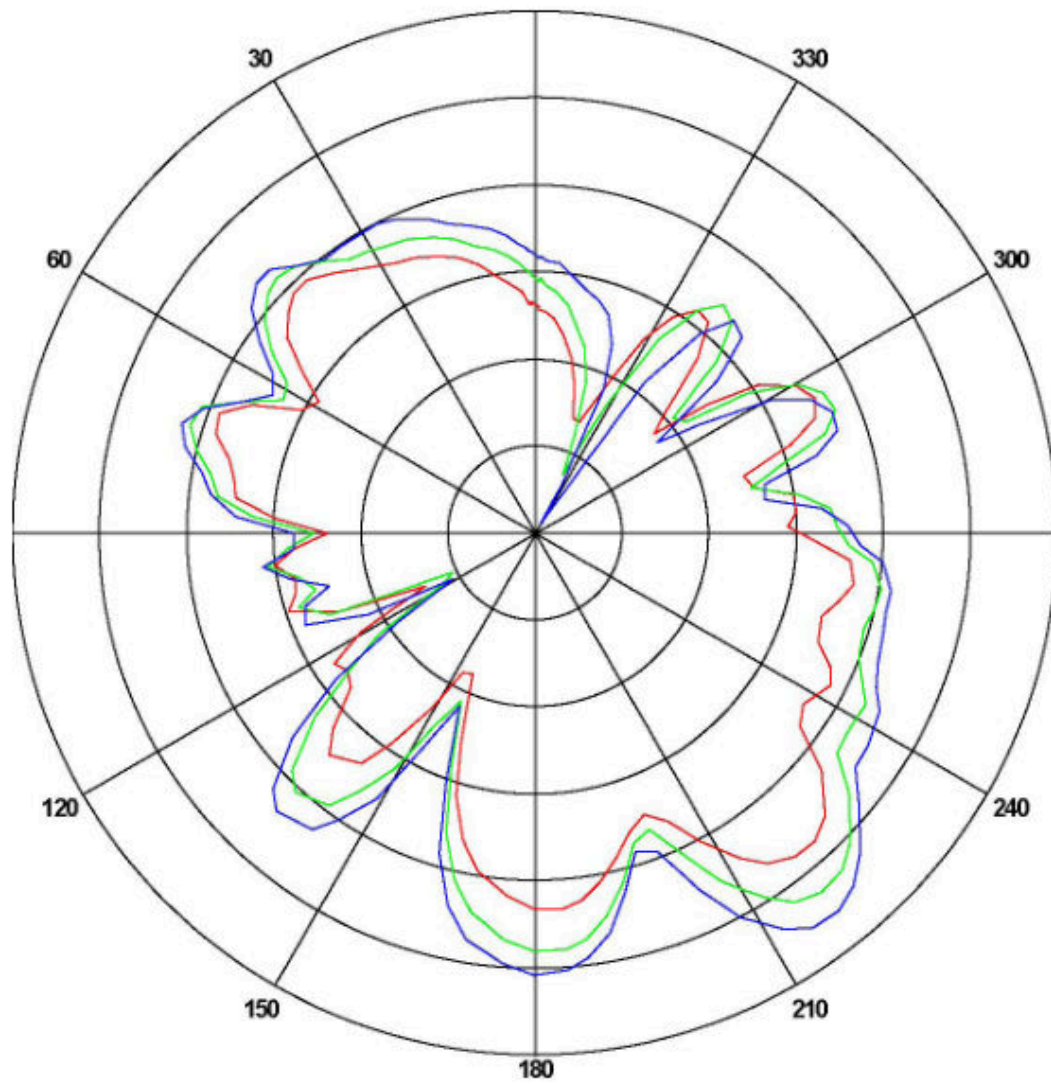
Power (dBm)

Max: 0 Min: -40 Scale: 5/div



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -2.690023 | -30.0815 | -8.48713 |
| 2450               | -2.144965 | -38.5605 | -7.88012 |
| 2500               | -2.831456 | -24.0318 | -6.79139 |

Vertical: 2400 MHz 2450 MHz 2500 MHz  
 Power (dBm)  
 Max: 0 Min: -30 Scale: 5/div



| Frequency<br>(MHz) | Gain(dBi) |          |          |
|--------------------|-----------|----------|----------|
|                    | Max       | Min      | Avg      |
| 2400               | -2.55032  | -24.1420 | -13.0295 |
| 2450               | -3.7054   | -26.5836 | -10.6700 |
| 2500               | -2.32122  | -30.4301 | -9.70536 |