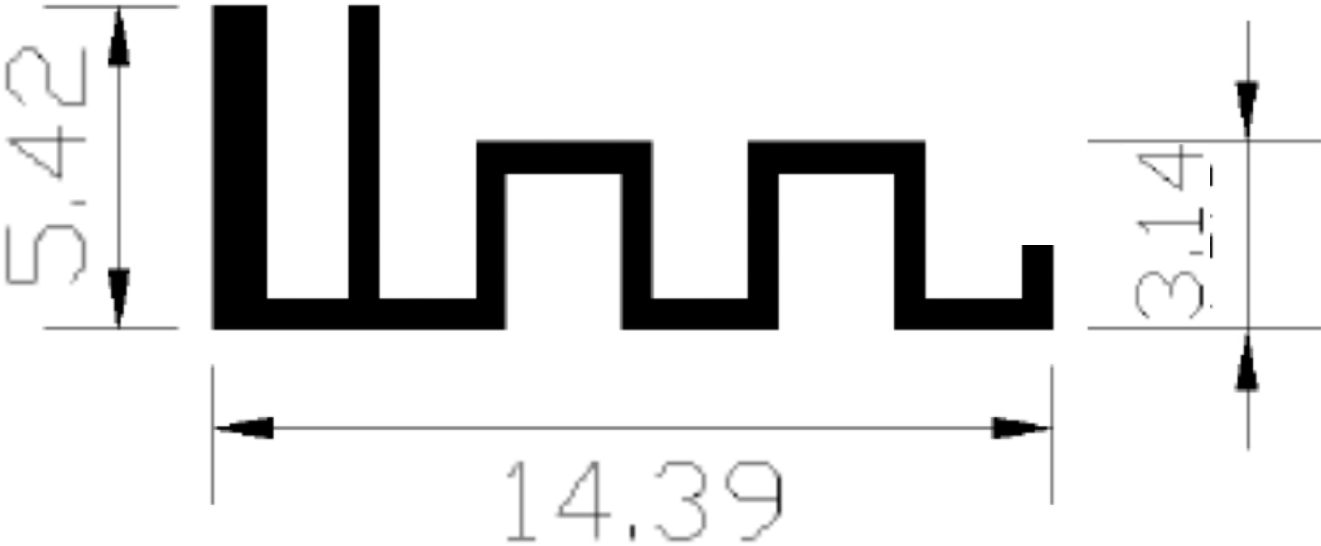


ANTENNA SPECIFICATION

Summary

|                      |                                          |         |         |                |         |         |
|----------------------|------------------------------------------|---------|---------|----------------|---------|---------|
| ITEM                 | ANT SPEC                                 |         |         |                |         |         |
| Model Name           | 2.4G ANT                                 |         |         |                |         |         |
| Center Frequency     | Horizontal (dBi)                         |         |         | Vertical (dBi) |         |         |
|                      | 2400Mhz                                  | 2450Mhz | 2500Mhz | 2400Mhz        | 2450Mhz | 2500Mhz |
|                      | -1.78                                    | -0.83   | -0.68   | -6.13          | -3.74   | -2.39   |
| MAX. Gain            | -0.68dBi                                 |         |         |                |         |         |
| Polarization         | Horizontal and Vertical                  |         |         |                |         |         |
| Azimuth Beam pattern | Omni-directional                         |         |         |                |         |         |
| Impedance            | 50 Ohm                                   |         |         |                |         |         |
| Antenna Length       | 31.5mm                                   |         |         |                |         |         |
| Manufacture          | Shenzhen James Audio Technology Co., Ltd |         |         |                |         |         |

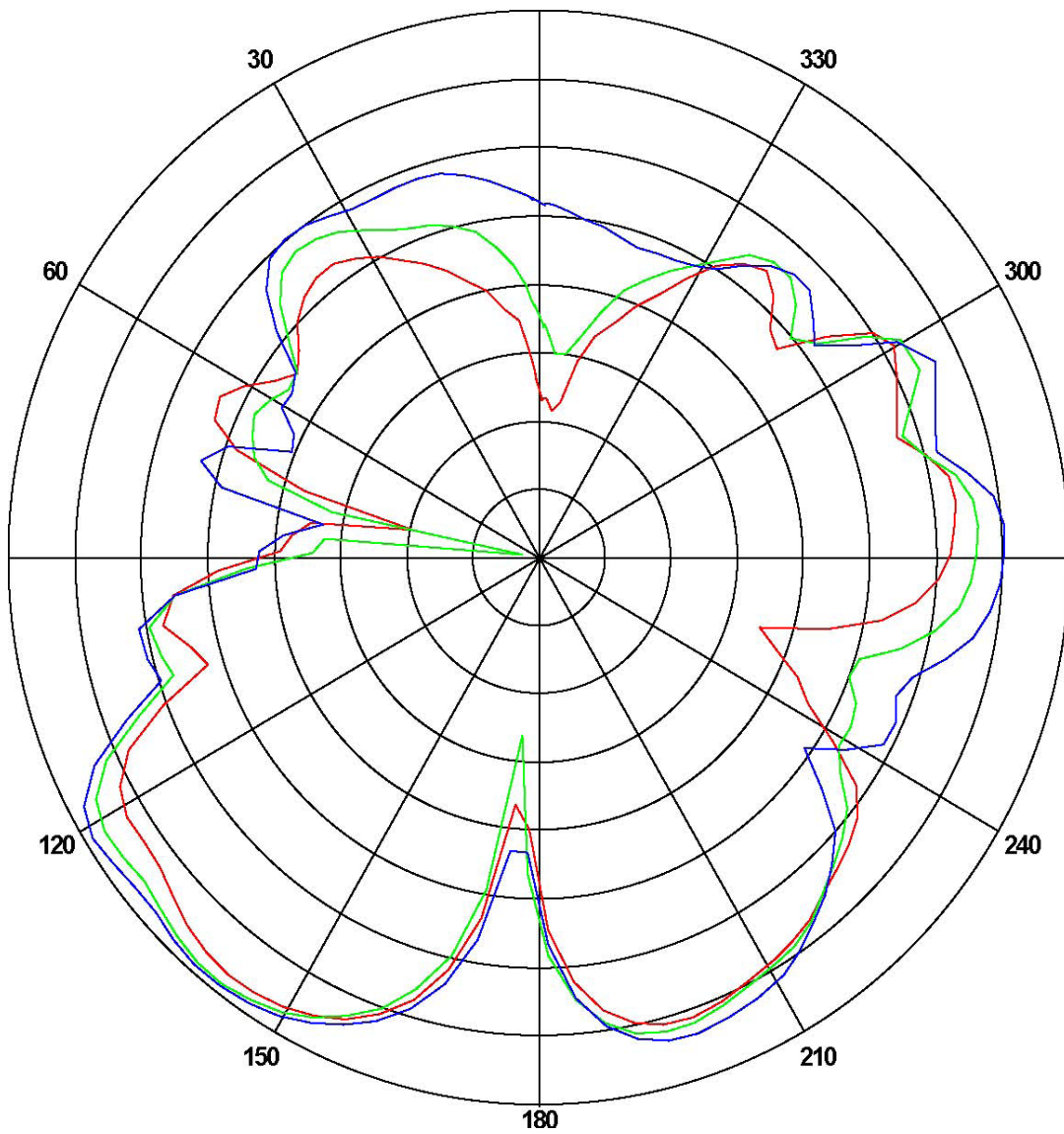
Antenna Photo & Length(mm)



Horizontal:2400MHz 2450MHz 2500MHz

Power (dBm)

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

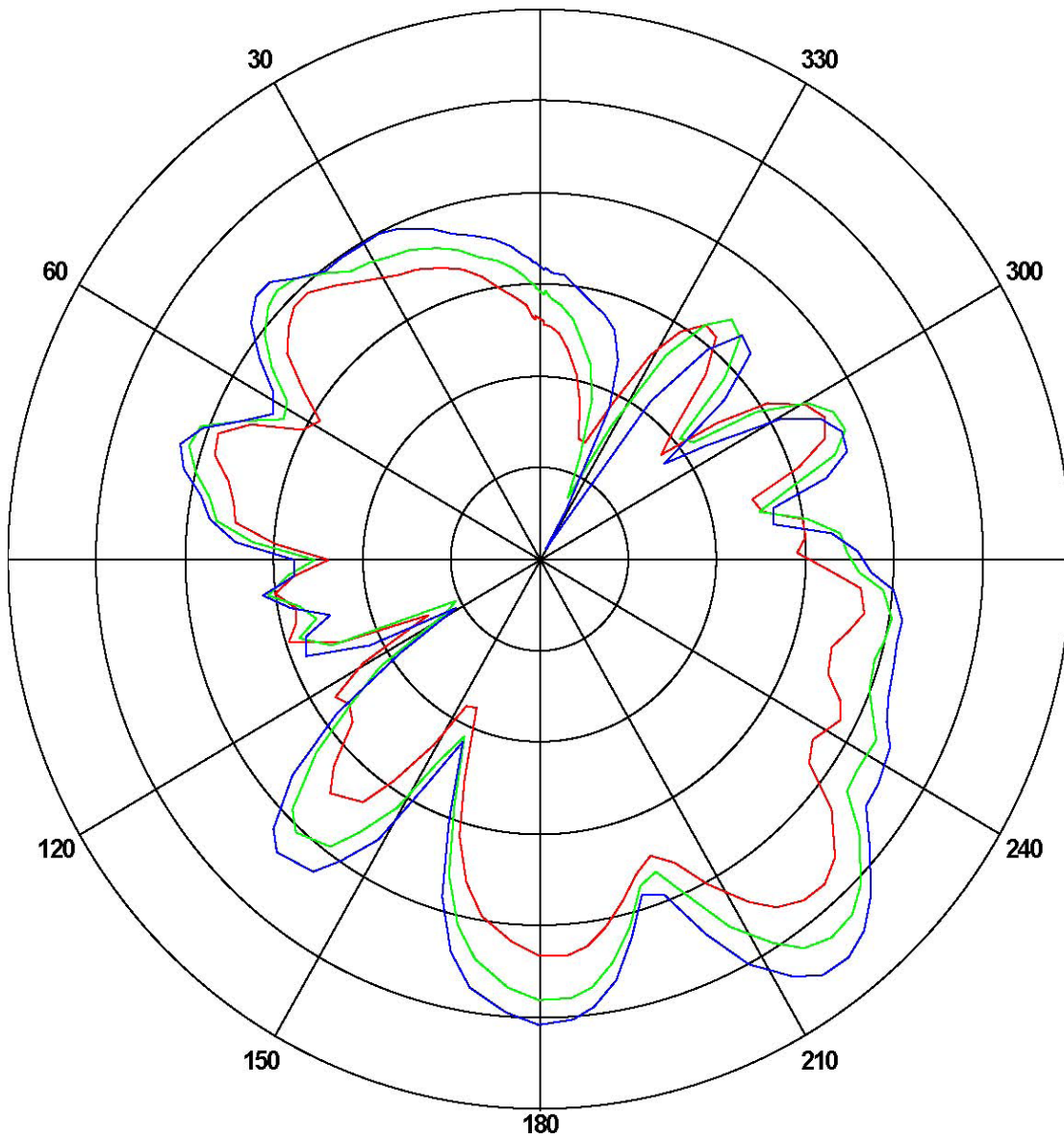


| Frequency (MHz)<br>(MHz) | Gain (dBi) |          |          |
|--------------------------|------------|----------|----------|
|                          | Max        | Min      | Avg      |
| 2400                     | -1.78168   | -30.0717 | -8.45237 |
| 2450                     | -0.83632   | -38.4975 | -7.86975 |
| 2500                     | -0.68      | -24.0188 | -6.77921 |

Vertical:2400MHz 2450MHz 2500MHz

Power (dBm)

Max:0 Min:-30 Scale:5/div



| Frequency (MHz)<br>(MHz) | Gain (dBi) |          |          |
|--------------------------|------------|----------|----------|
|                          | Max        | Min      | Avg      |
| 2400                     | -6.1318    | -24.1497 | -13.0331 |
| 2450                     | -3.7495    | -26.5492 | -10.6795 |
| 2500                     | -2.3976    | -30.4803 | -9.7529  |