

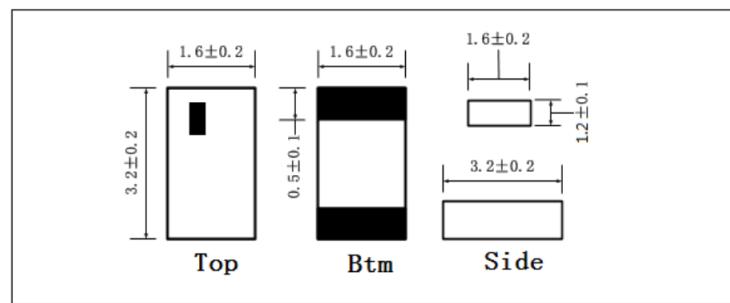
Orka Two CC Antenna Datasheet

1. Introduction

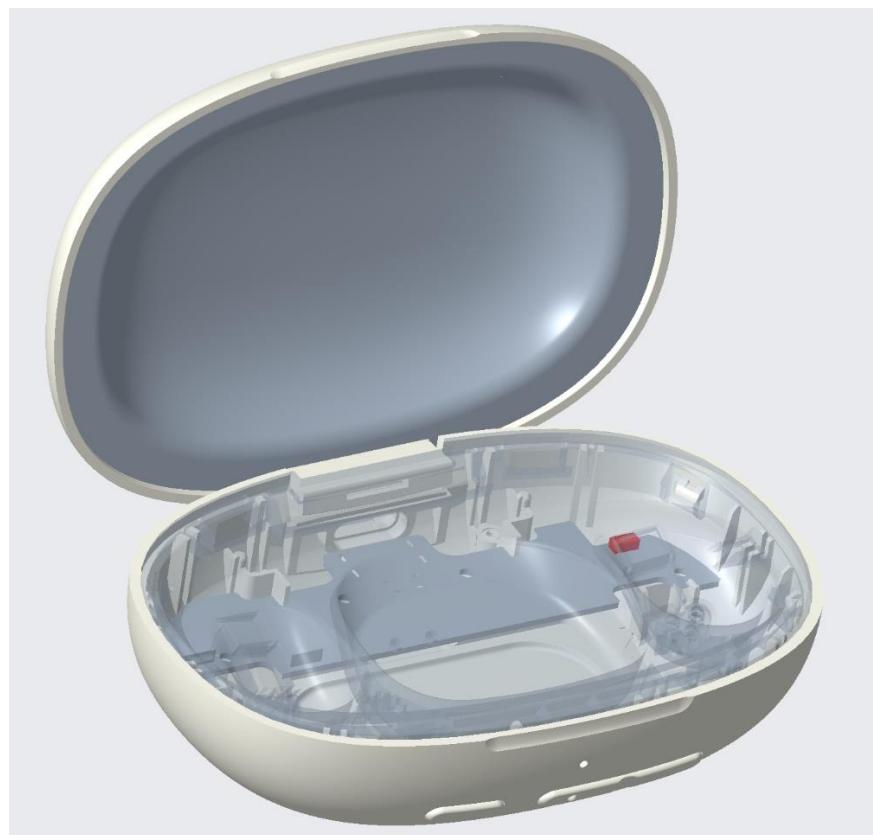
An Microwave Multi-Layer Ceramic Antenna is used for Bluetooth connection in Orka Two Charging Case

| | |
|------------------------------|---|
| Antenna Manufacturer Name | JIA XING GLEAD ELECTRONICS CO., LTD |
| Antenna Manufacturer Address | No.66 ZhengyuanRoad, Economic Development Zone,Jiaxing,Zhejiang,China |
| Antenna Model Number | LA31H2450 - A29 |

2. Antenna Dimensions



Antenna Dimensions (mm)



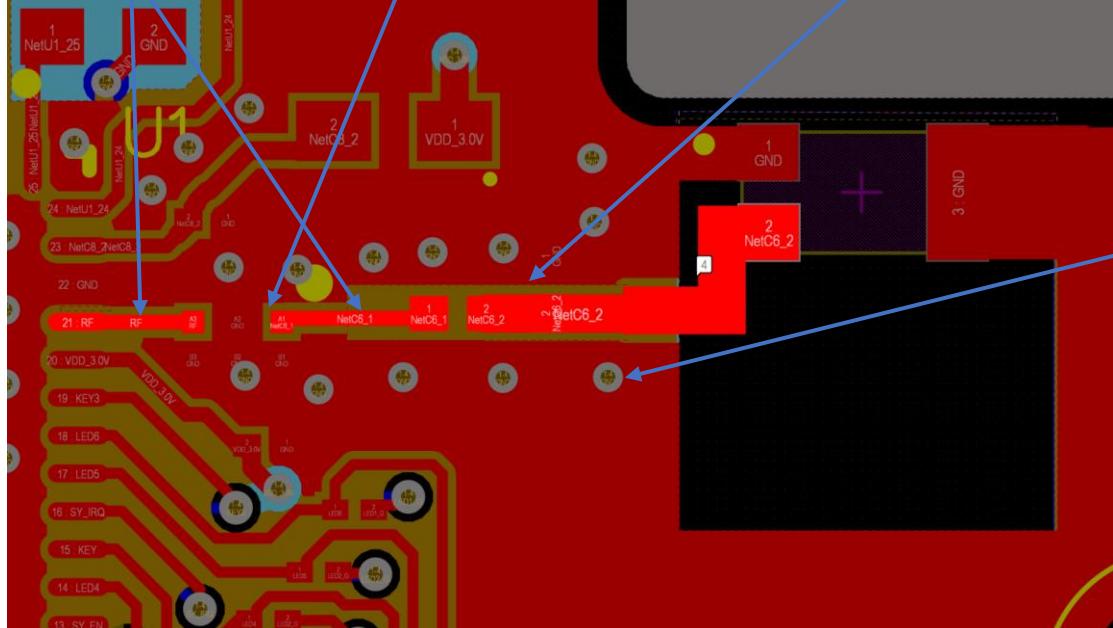
3D Antenna

3. Matching Circuits and Antenna Circuit

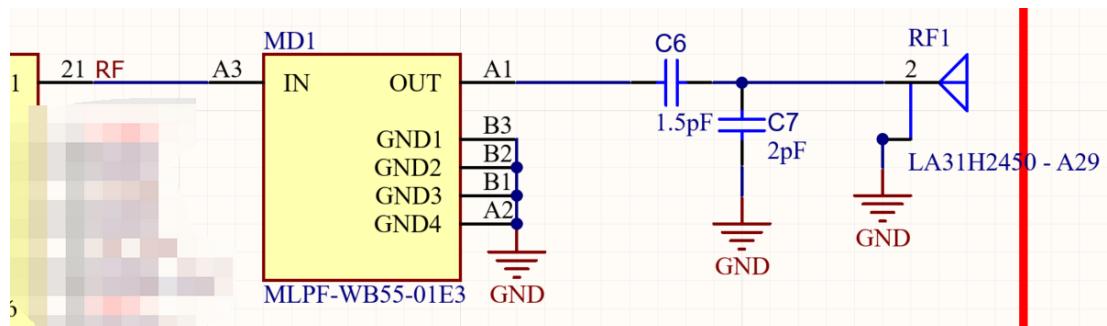
50ohm Feeding Line

Band-pass Filter

π Type Matching Network



Antenna Layout



π Type Matching Network & Band-pass Filter

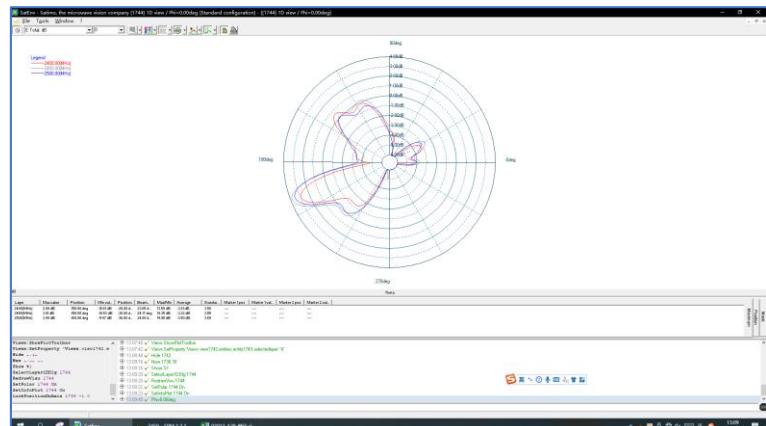
4. Electrical Characteristics

| No. | Item | Specifications | | |
|---------------------------|-------------------|----------------|----------------|---------------|
| 1 | Central Frequency | 2450MHz | | |
| Antenna Gain & Efficiency | | | | |
| | Frequency | Peak Gain(dBi) | Avg. Gain(dBi) | Efficiency(%) |
| 2 | 2400 | 1.7 | -3.1 | 60 |
| 3 | 2450 | 2.1 | -2.7 | 65 |
| 4 | 2500 | 1.6 | -3.2 | 60 |

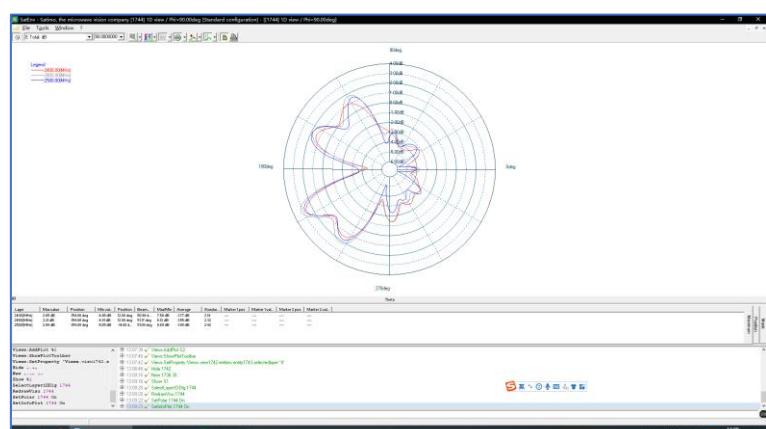
5. Characteristic curve



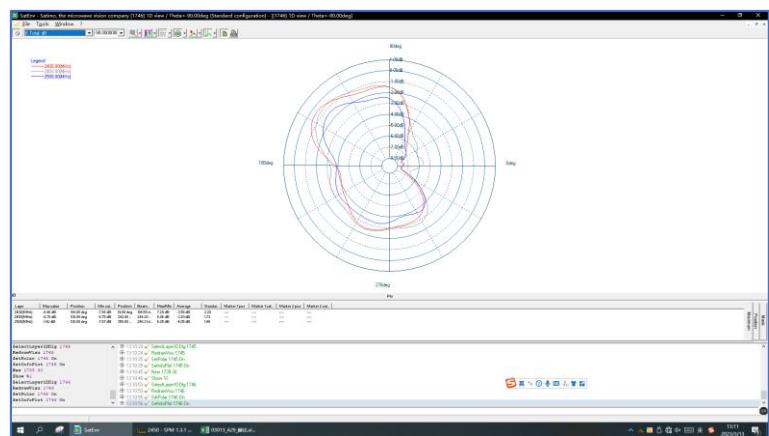
6. Radiation Pattern & Efficiency



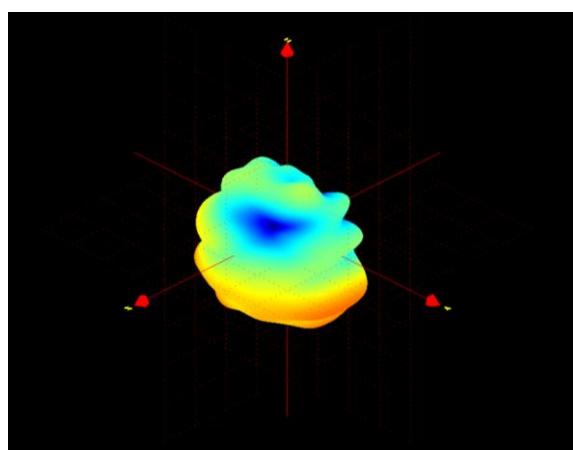
X-Z Plane



Y-Z Plane



X-Y Plane



3D Radiation Pattern



Efficiency