

ANTENNA SPECIFICATION

V1.0

CUSTOMER NAME: Duogan Electronics (Zhuhai) Co., LTD

PRODUCT NAME: Bluetooth Antenna

CUSTOMER P/N: YK-BTANT-02

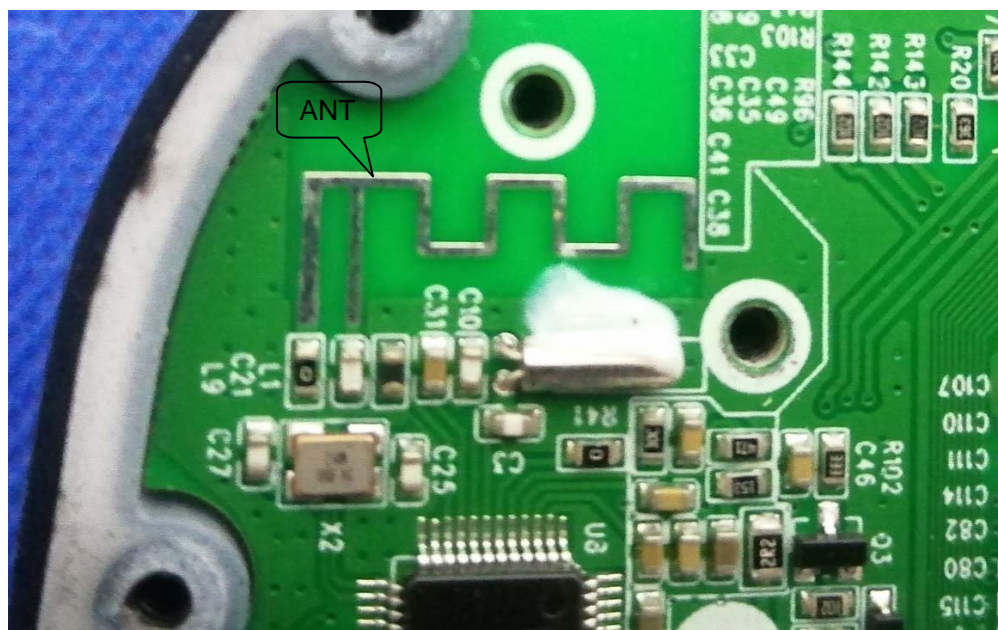
Contents

一、-----Specification

二、-----Size drawing

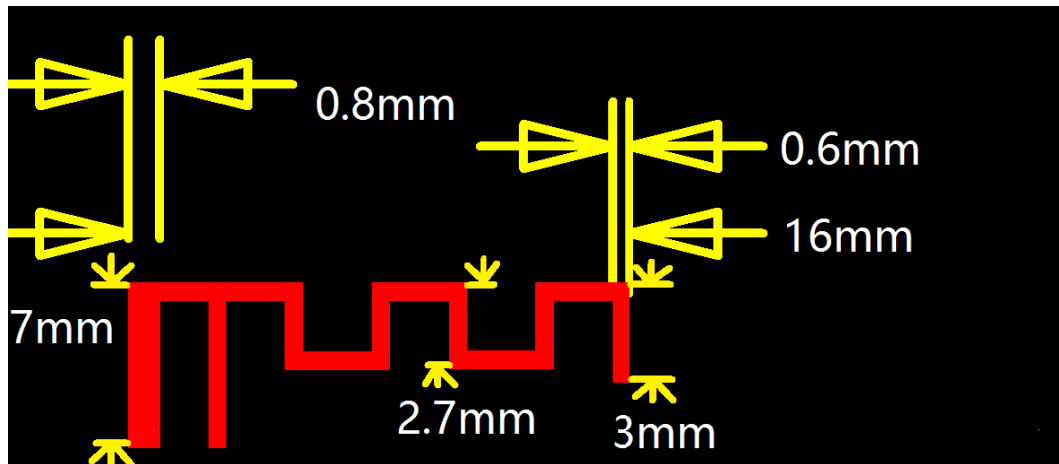
三、-----Test Report

一、Specification



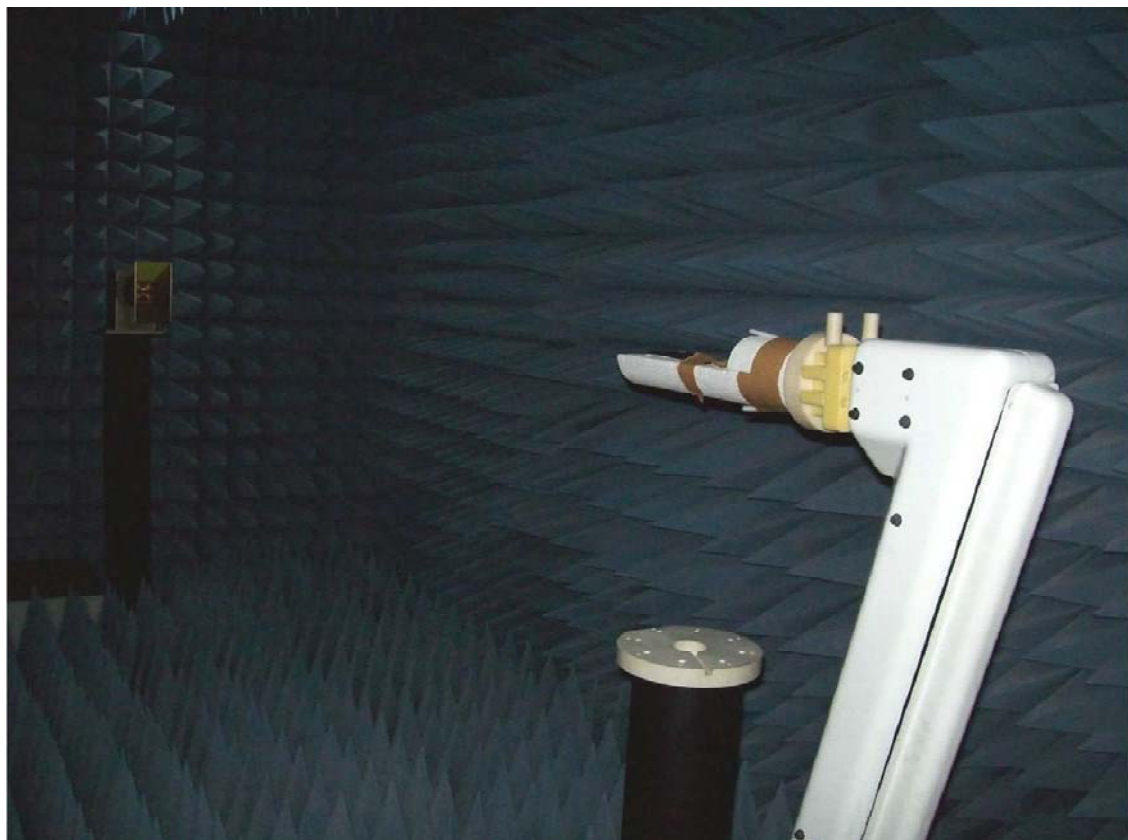
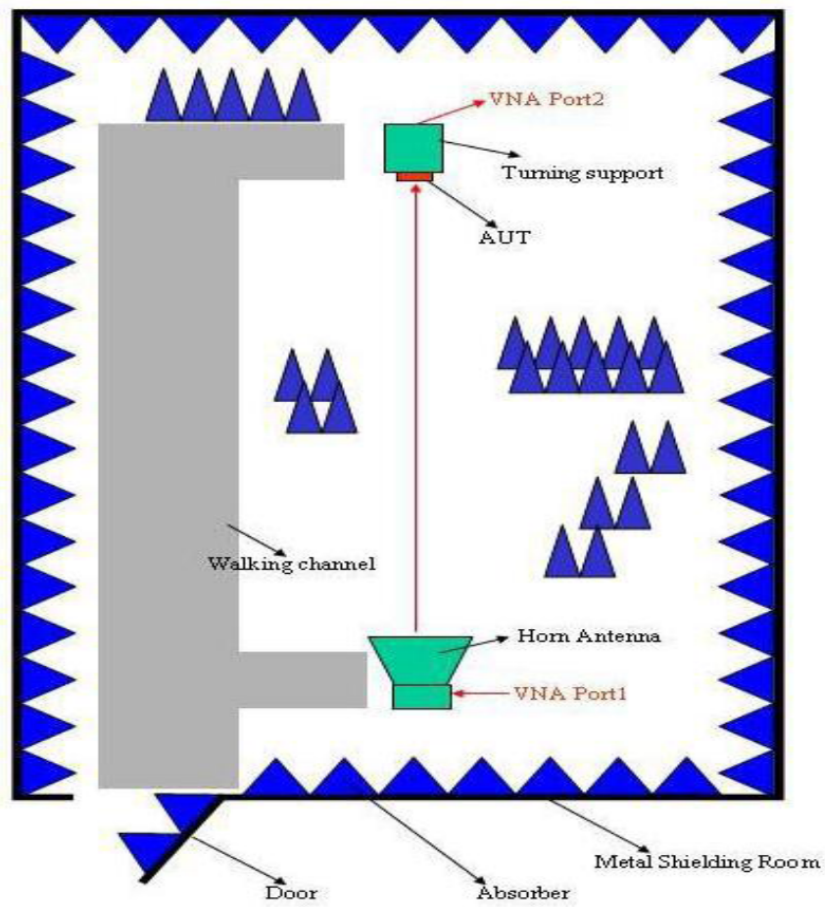
| 主要技术参数 | | Main technical parameter | |
|-----------|-----------|--------------------------|------------------|
| 频率范围(MHz) | 2400-2500 | Frequency Range(MHz) | 2400-2500 |
| 阻抗(ohm) | 50 | Impedance(ohm) | 50 |
| 增益(dBi) | 2.41 | Gain(dBi) | 2.41 |
| 输出驻波比 | 1.83 | VSWR | 1.83 |
| 功率 | 1.5W/3V3 | Admitted Power | 1.5W/3V3 |
| 方向性 | 全向性 | Radiation | Omni-directional |
| 物理性能 | | Physical Properties | |
| 天线材料 | FR4 | Antenna cover | FR4 |
| 工作温度 | -10--+80 | Operating Temp | -10-- +80 |
| 保存温度 | +10--+20 | Storage Temp | +10--+20 |

二、Size drawing

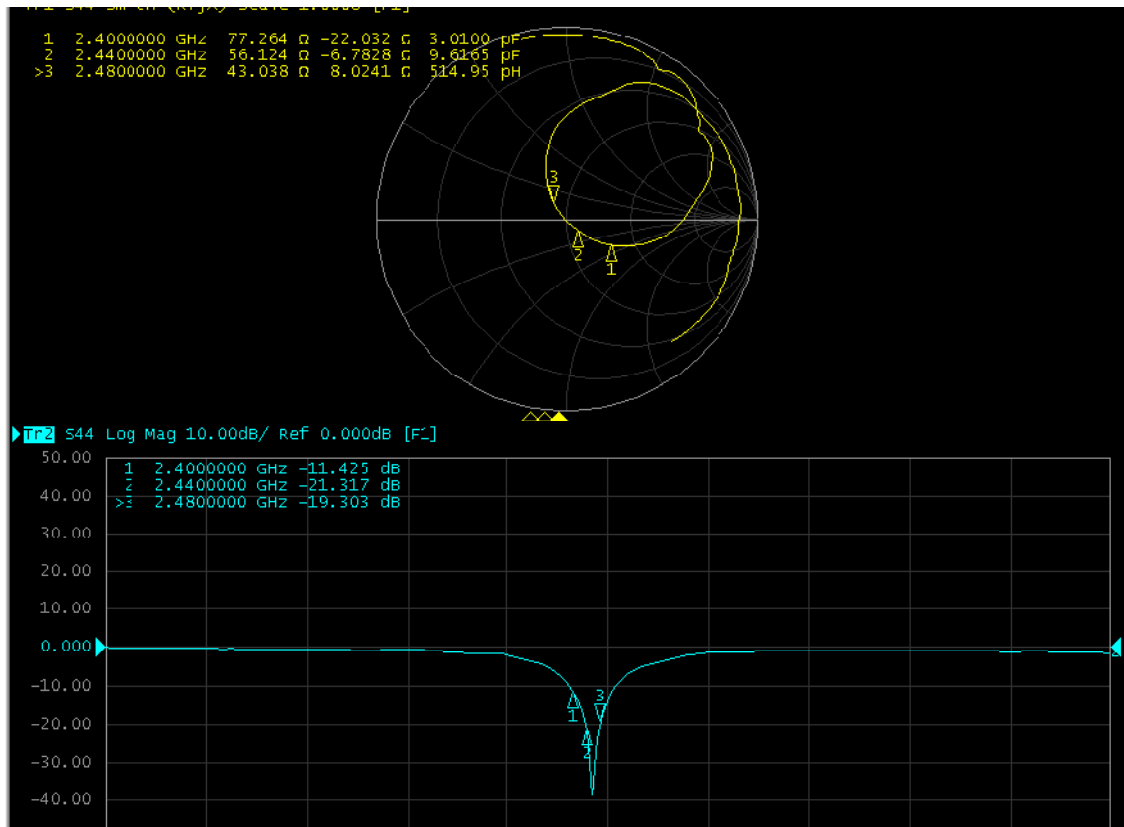


三、Test Report

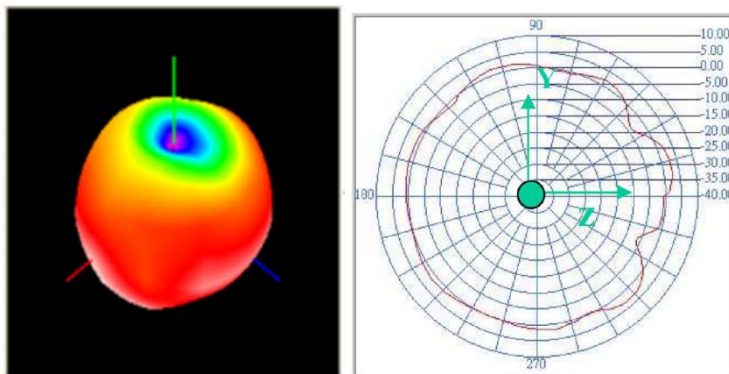
The Environment of Antenna Radiation Pattern



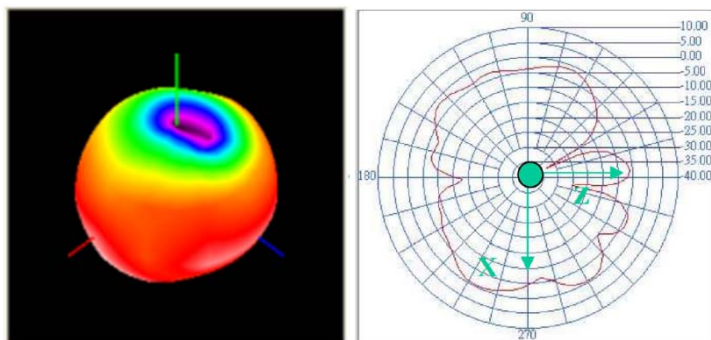
Return Loss



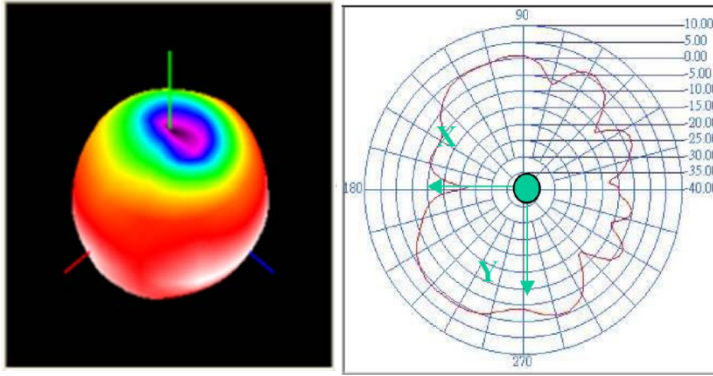
2D,3D radiation pattern diagram



2.4GHz Gain:2.41dBi Efficiency:75.6 1%



2.45GHz Gain: 0.00dBi Efficiency:78.45%



2.5GHz Gain: 0.46dBi Efficiency:79.32%