

Antenna Technical

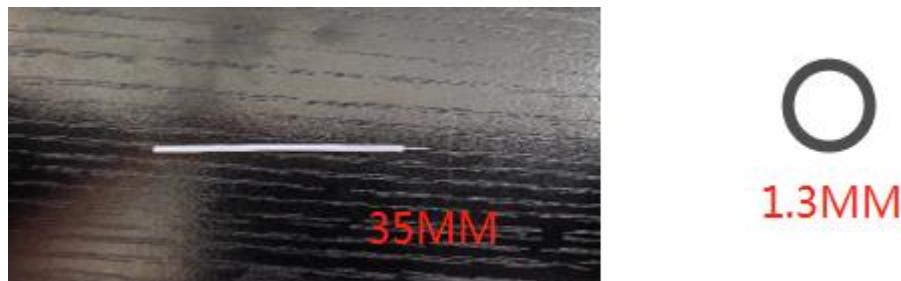
Part Name: 2.4GHz Antenna

Model Name: ZX2250 TX OR RX

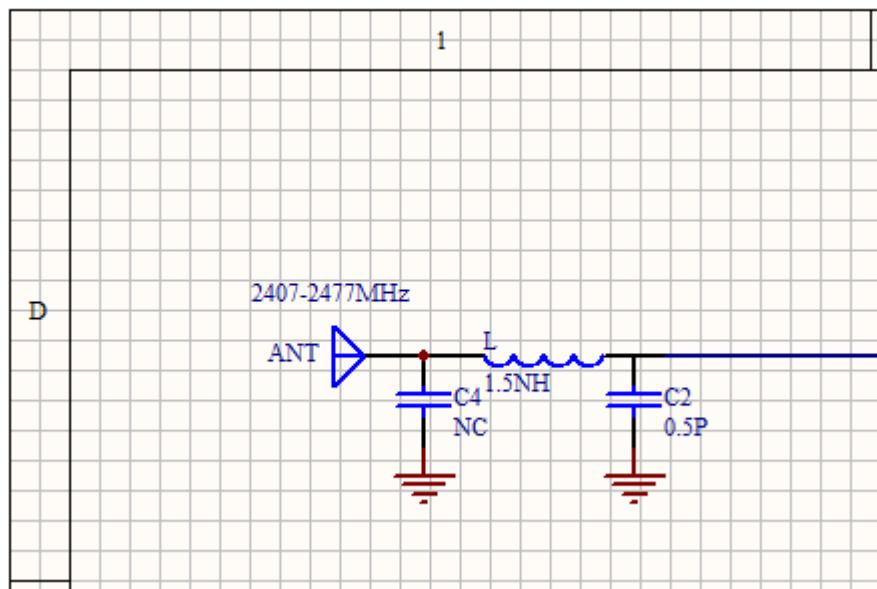
Company Name: SHUANGJIELI TOYS FACTORY

Address: CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG PROVINCE, CHINA

1. Dimensions



Match Network

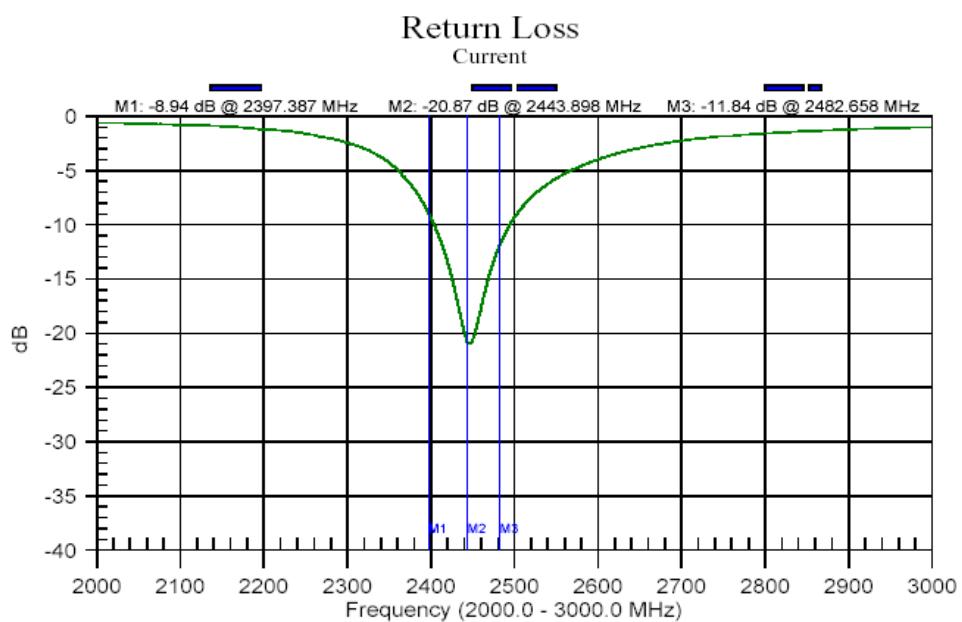


HK(ASIA) INT'L LTD

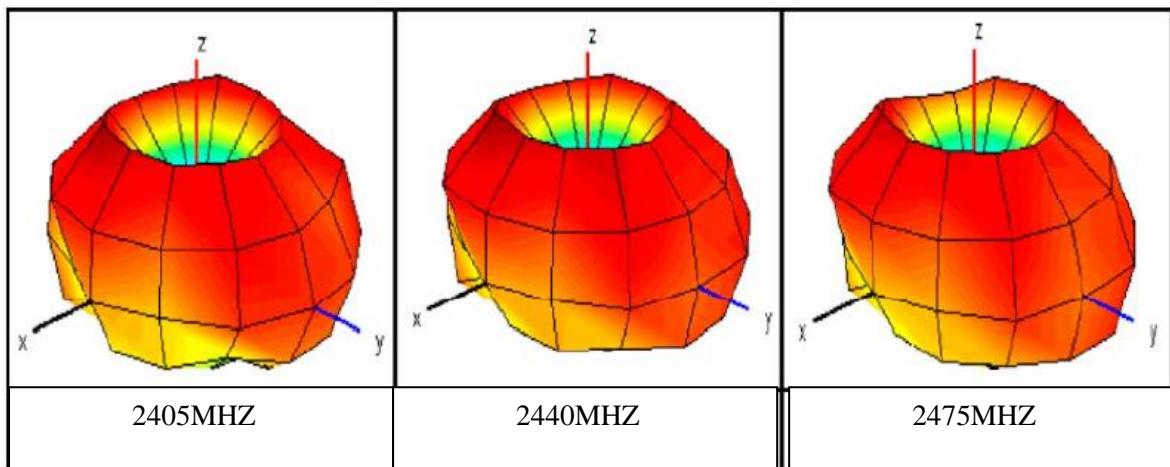
2. Electrical Characteristics

| No. | Item | Specifications |
|-----|--------------------|------------------|
| 1 | Working Frequency | 2400~2500MHz |
| 2 | Gain | 0dBi |
| 3 | V.S.W.R (in BW) | <2.0 |
| 4 | Polarization | Linear |
| 5 | Azimuth Beam width | Omni-directional |
| 6 | Impedance | 50 Ω |

3. Return Loss and Smith Chat



3D Radiation Pattern



| Frequency (GHz) | 2.4GHz | 2.41GHz | 2.42GHz | 2.43GHz | 2.44GHz | 2.45GHz | 2.46GHz | 2.47GHz | 2.48GHz | 2.5GHz |
|-----------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Efficiency(dB) | -5.1 | -4.81 | -4.60 | -4.19 | -4.00 | -4.10 | -3.78 | -3.69 | -3.81 | -3.51 |
| Efficiency(%) | 52.98 | 55.36 | 58.09 | 63.39 | 66.01 | 65.09 | 70.01 | 70.26 | 68.74 | 73.51 |
| Pick Gain (dBi) | 0.00 | -0.07 | -0.11 | -0.05 | -0.01 | -0.15 | -0.03 | 0.00 | -0.06 | -0.10 |