



Antenna report

Customer Name Shenzhen Haikang Sheng intelligent Electronics Co., LTD

project Bluetooth antenna

Material name wireway

Material color black

Requested date five

Reference drawing:

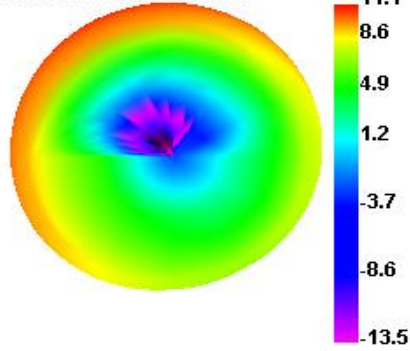


Figure 2 0.8*20mmBT

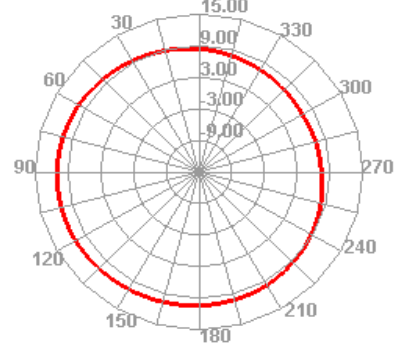
| | |
|-----------------------------|-----------------|
| Product name | ANTENNA |
| Type name | LT13 |
| frequency band | 2402MHz~2480MHz |
| input impedance | 50Ω |
| Allowable power | 5W |
| Operating temperature range | -25 ~ +65 °C |
| Storage temperature range | -40 ~ +85 °C |
| Antenna gain | 1.5 dBi |

3. Field pattern diagram

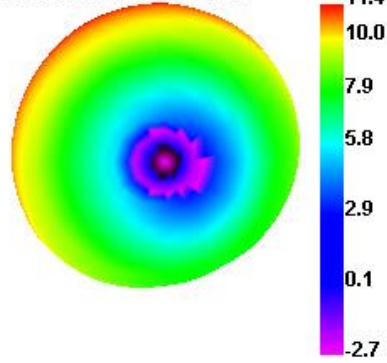
Bluetooth 0 TRP



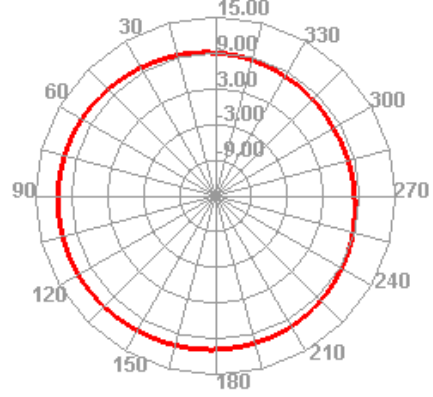
Bluetooth 0 TRP H



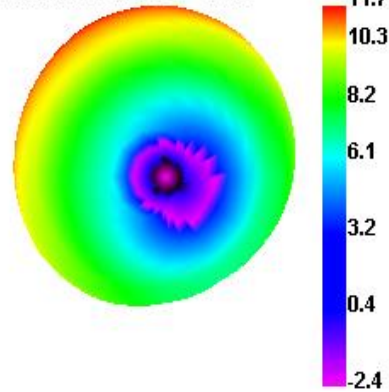
Bluetooth 39 TRP



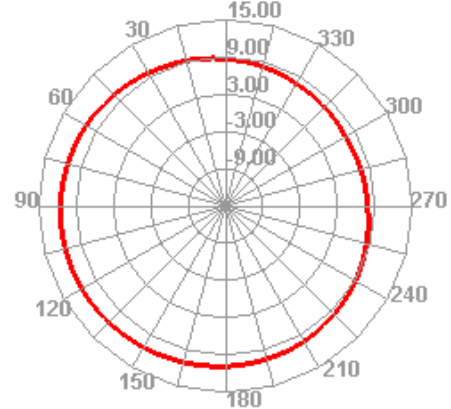
Bluetooth 39 TRP H



Bluetooth 78 TRP



Bluetooth 78 TRP H





4. Gain and Efficiency

| Frequency(MHz) | Gain(dBi) | Efficiency(%) |
|----------------|------------|---------------|
| 2400 | 1.01 | 45.8 |
| 2410 | 1.36 | 51.6 |
| 2420 | 1.27 | 42.9 |
| 2430 | 1.19 | 48.0 |
| 2440 | 1.30 | 49.6 |
| 2450 | 1.14 | 51.4 |
| 2460 | 1.25 | 44.9 |
| 2470 | 1.47 | 48.4 |
| 2480 | 1.50 | 43.8 |
| 2490 | 1.38 | 49.1 |
| 2500 | 1.29 | 51.6 |