

# SPECIFICATION

## PCB Antenna 9335 Size

2400-2500 MHz

P/N: RD-PCB-Q2ATN

## 1. Frequency

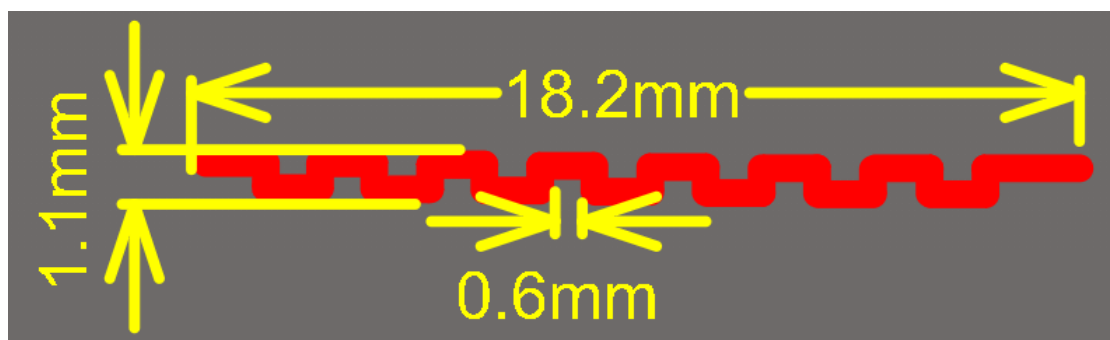
2400-2500 MHz

## 2. Applications

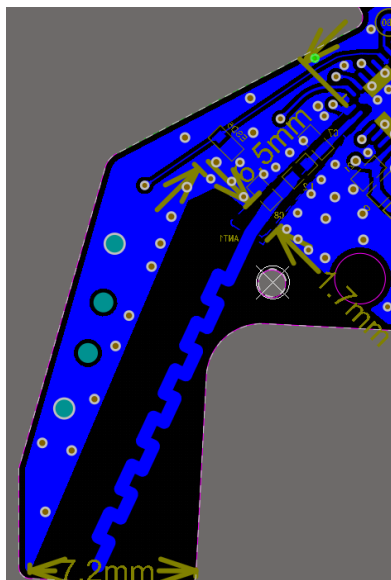
For Miniaturized Bluetooth System

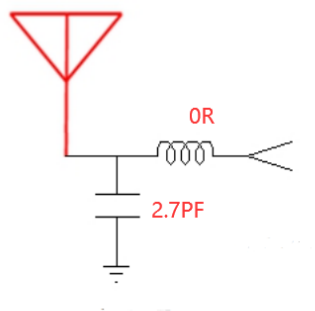
## 3. Dimensions (Unit : mm)

### 1). Over View :



### 2).PCB LAYOUT VIEW:





#### 4. Electrical Characteristics

|                   |                  |
|-------------------|------------------|
| Part Number       | RD-PCB-Q2ATN     |
| Central Frequency | 2450 MHz         |
| Bandwidth         | 100(typ.) MHz    |
| V.S.W.R           | ≤2.0             |
| Peak Gain         | 0 dBi            |
| Impedance         | 50 Ohm           |
| Polarization      | Linear           |
| Azimuth Beamwidth | Omni-directional |

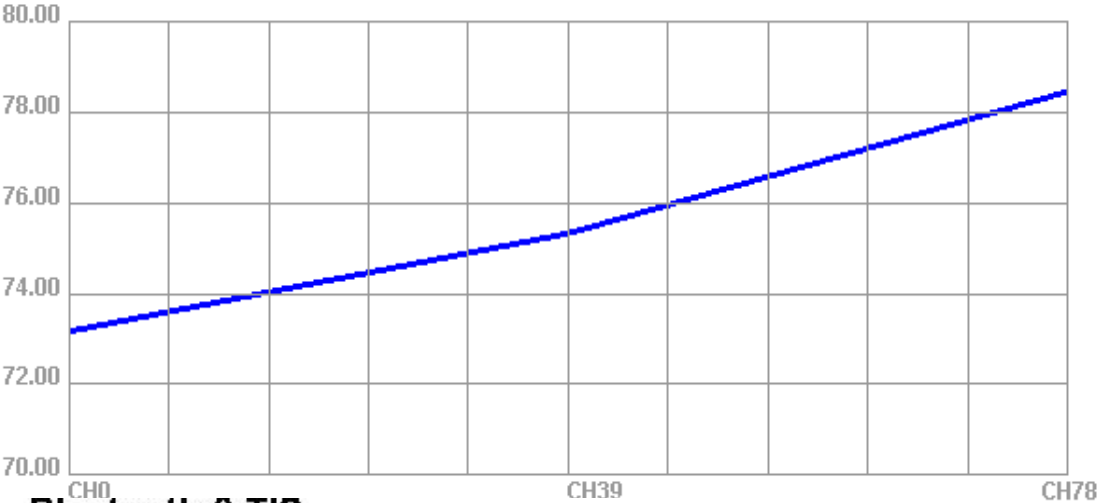
Shenzhen Ruidasheng Technology co., Ltd  
 Rooms 506-508, 5th Floor, Lijincheng Business Center, Yousong Community, Longhua Street,  
 Longhua New District, Shenzhen Town



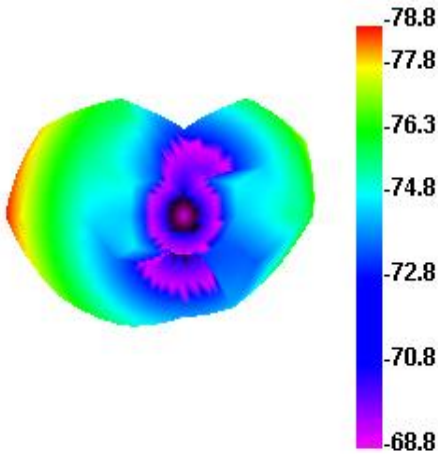
| Test Result        | Bluetooth TIS |        |        |
|--------------------|---------------|--------|--------|
|                    | 0             | 39     | 78     |
| Frequency (MHz)    | 2402          | 2441   | 2480   |
| TIS (dBm)          | -73.17        | -75.33 | -78.45 |
| NHPIS (dBm) 45     | -72.29        | -74.63 | -77.83 |
| RSSIAve            | -9.11         | -6.42  | -4.23  |
| MaxPosRSSI         | -5.04         | -2.3   | 1.16   |
| MaxPosSens         | -77.24        | -79.44 | -83.84 |
| MAX (dBm)          | -3.45         | -0.81  | 2.69   |
| EIS peak           | -3.45         | -0.81  | 2.69   |
| Min (dBm)          | -21.69        | -17.32 | -14.88 |
| Attenuation Horiz  | 43.34         | 43.34  | 43.34  |
| Attenuation Vertic | 43.24         | 43.24  | 43.24  |

| Application Information |              |
|-------------------------|--------------|
| 04Version               | 5.256.357    |
| TotalTime               | 23m 30s 29ms |
| AdditionalInfor         | 4142B7931F92 |

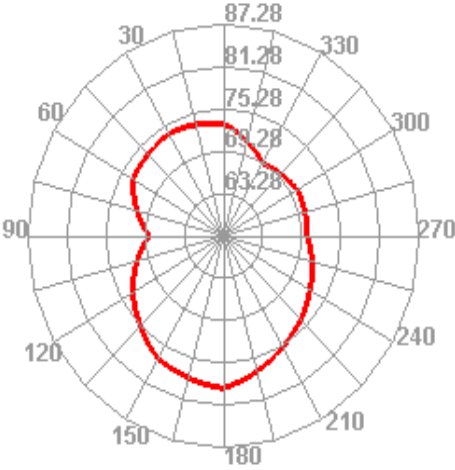
Bluetooth TIS



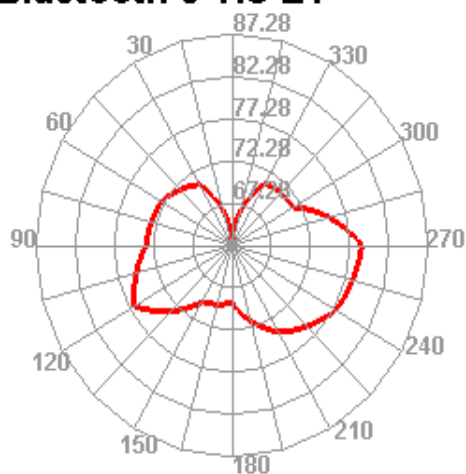
Bluetooth 0 TIS



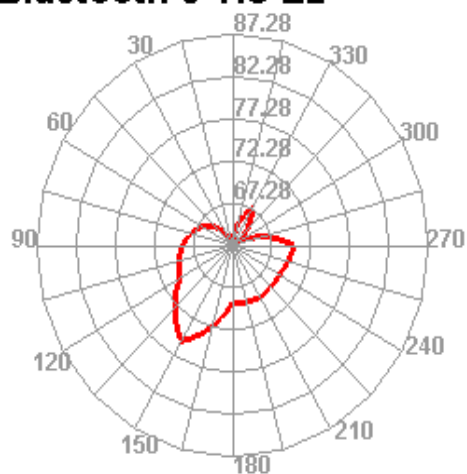
Bluetooth 0 TIS H



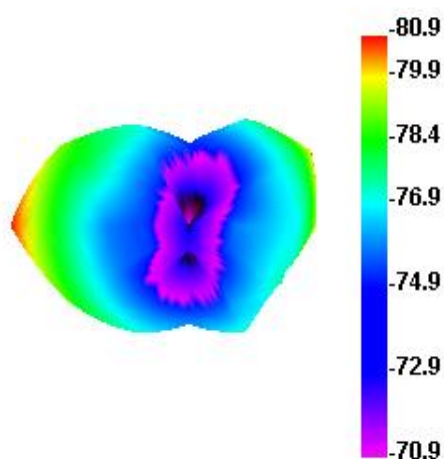
**Bluetooth 0 TIS E1**



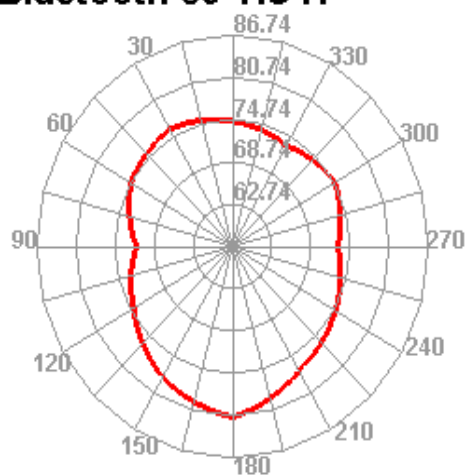
**Bluetooth 0 TIS E2**



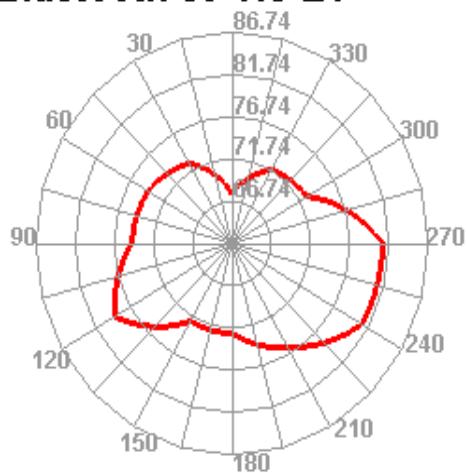
**Bluetooth 39 TIS**



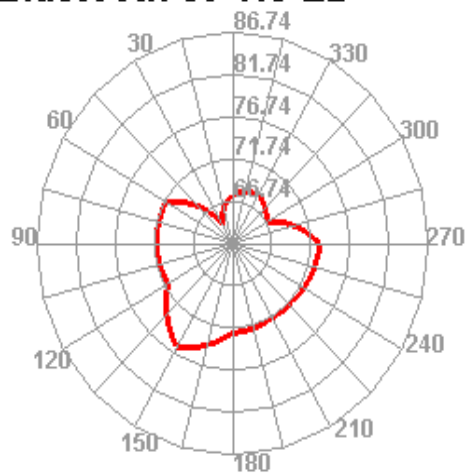
**Bluetooth 39 TIS H**



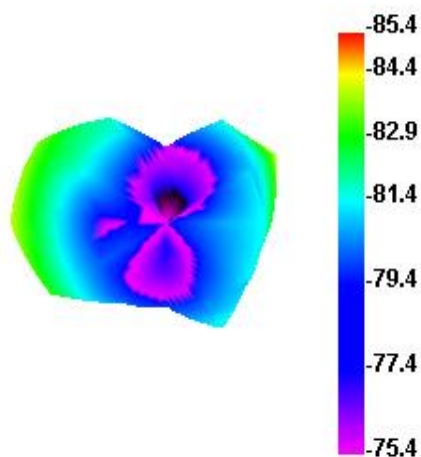
**Bluetooth 39 TIS E1**



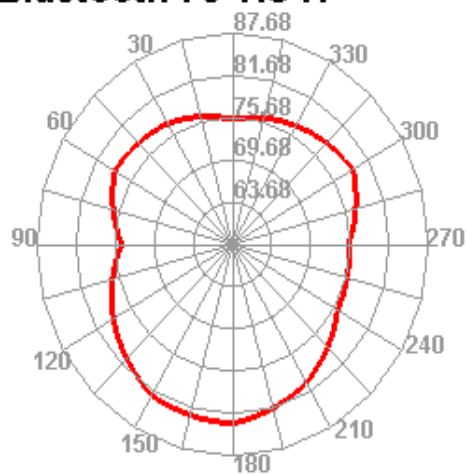
**Bluetooth 39 TIS E2**



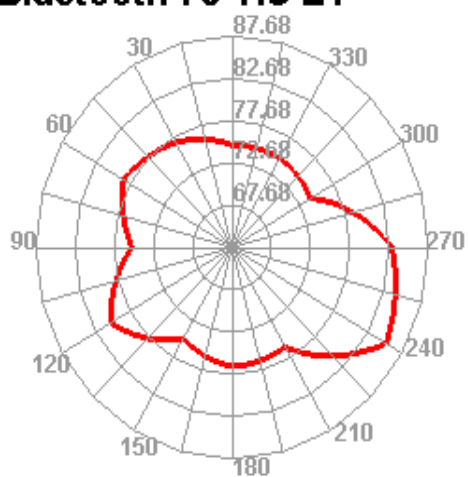
**Bluetooth 78 TIS**



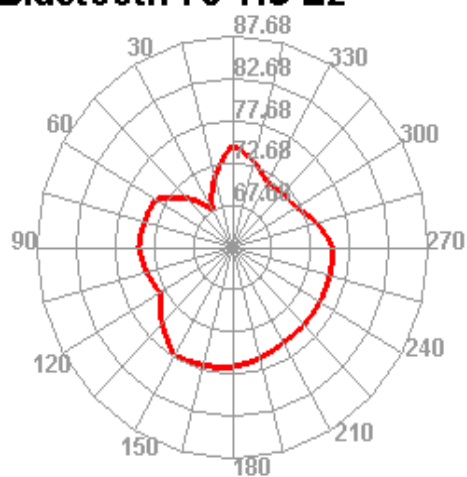
**Bluetooth 78 TIS H**



**Bluetooth 78 TIS E1**



**Bluetooth 78 TIS E2**







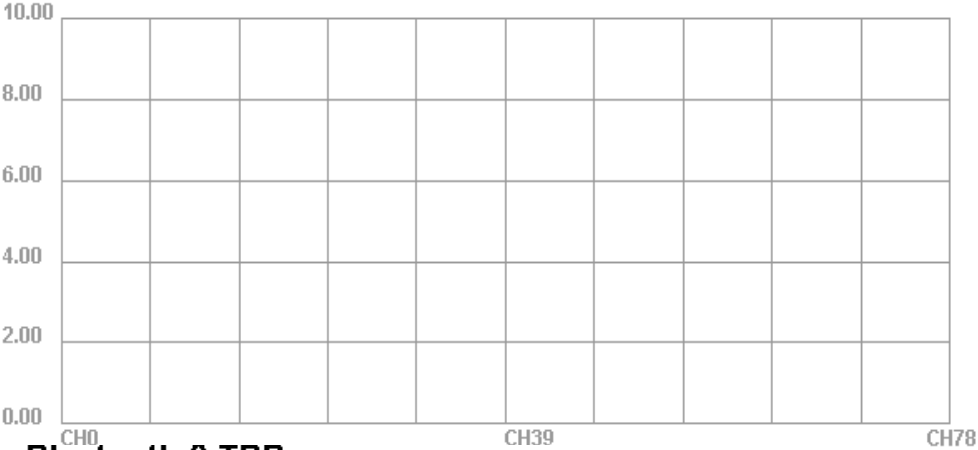




| Test Result            | Bluetooth TRP |        |        |
|------------------------|---------------|--------|--------|
|                        | 0             | 39     | 78     |
| Frequency (MHz)        | 2402          | 2441   | 2480   |
| TRP (dBm)              | -9.11         | -6.42  | -4.23  |
| NHPRP (dBm) 45         | -9.99         | -7.11  | -4.85  |
| MAX (dBm)              | -3.45         | -0.81  | 2.69   |
| EIRP peak              | -3.45         | -0.81  | 2.69   |
| Min (dBm)              | -21.69        | -17.32 | -14.88 |
| Attenuation Horizontal | 43.34         | 43.34  | 43.34  |
| Attenuation Vertical   | 43.24         | 43.24  | 43.24  |

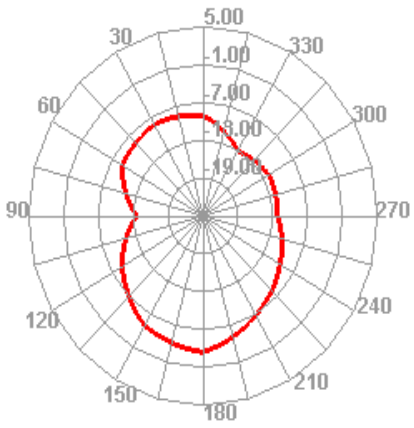
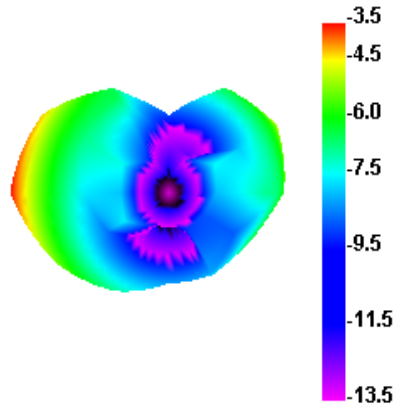
| Application Information |              |
|-------------------------|--------------|
| 04Version               | 5.256.357    |
| TotalTime               | 23m 30s 29ms |
| AdditionalInfor         | 4142B7931F92 |

Bluetooth TRP

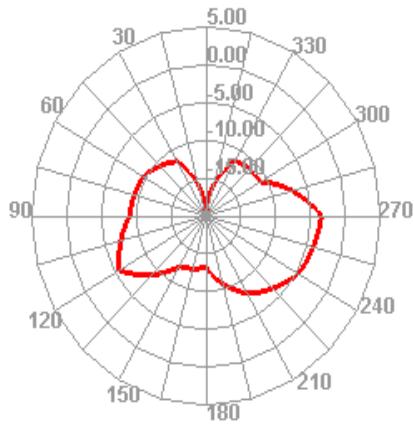


Bluetooth 0 TRP

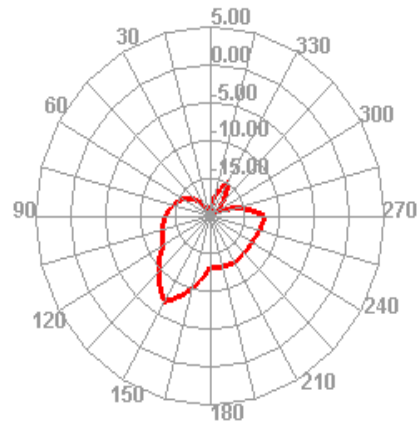
Bluetooth 0 TRP H



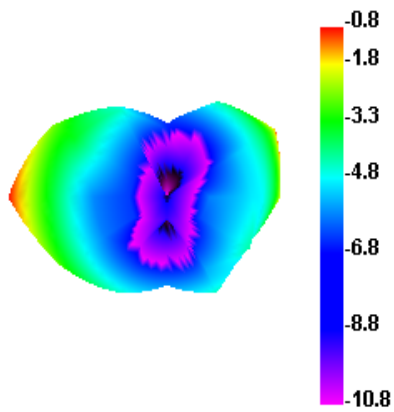
**Bluetooth 0 TRP E1**



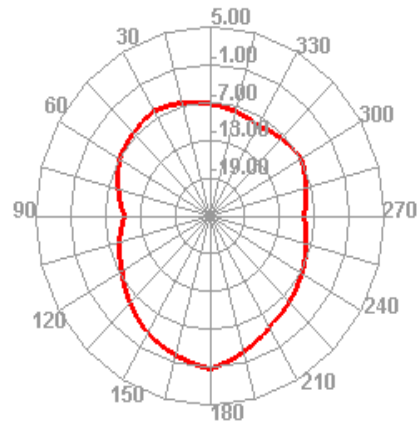
**Bluetooth 0 TRP E2**



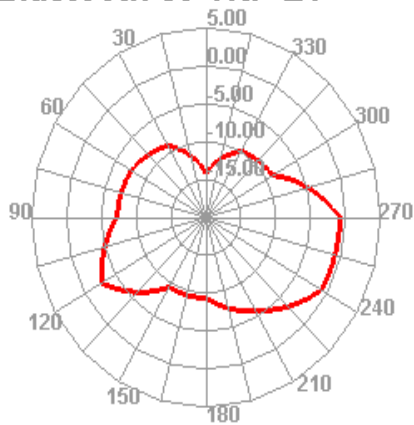
**Bluetooth 39 TRP**



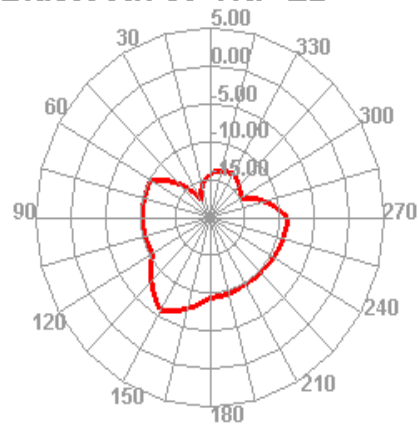
**Bluetooth 39 TRP H**



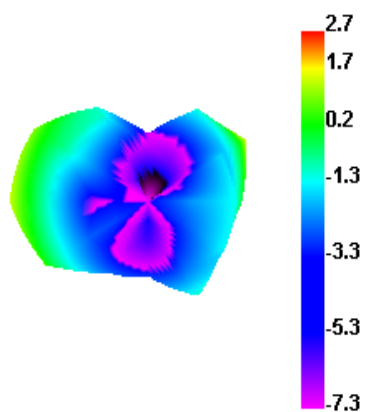
**Bluetooth 39 TRP E1**



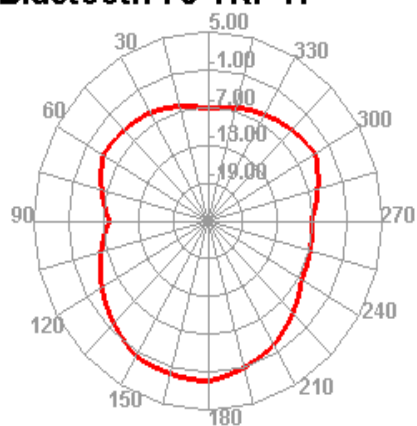
**Bluetooth 39 TRP E2**



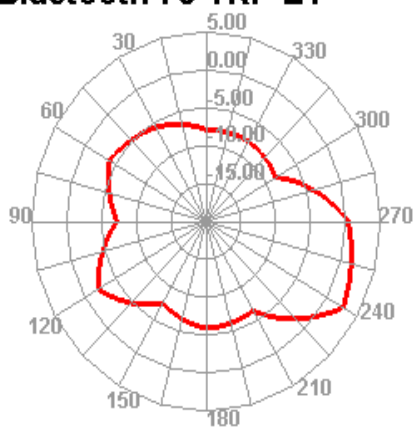
**Bluetooth 78 TRP**



**Bluetooth 78 TRP H**



**Bluetooth 78 TRP E1**



**Bluetooth 78 TRP E2**

