



## **BR2602e-u2 ANT Datasheet**

August 1, 2023

Version 1.1

Manufacturing Site of antenna: BARROTECHNONLGY., LTD.  
A1009, block A, Jia Hua Building, No.9 shangdisanjie St haidian District,  
Beijing

**Version History**

| Revision | Amendment          | Date       | Author     |
|----------|--------------------|------------|------------|
| 1.0      | Initial version    | 2022-12-30 | Kaiyue Wu  |
| 1.1      | 1.Add Antenna size | 2023-8-1   | Chunli Liu |

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## 1. Description

Gain: 0.5 dBi

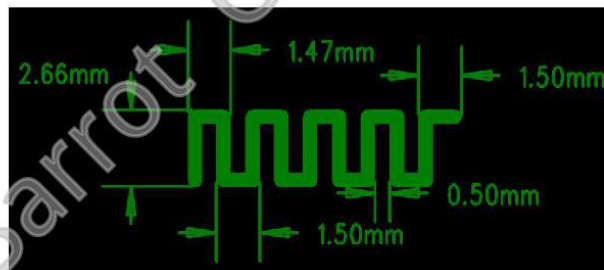
Frequency: 2400-2483.5MHz

Model of Antenna: BR2602e-u2 ANT

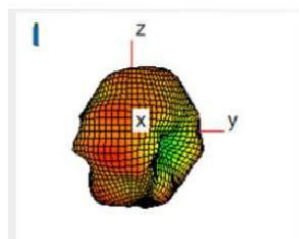
## 2. Location

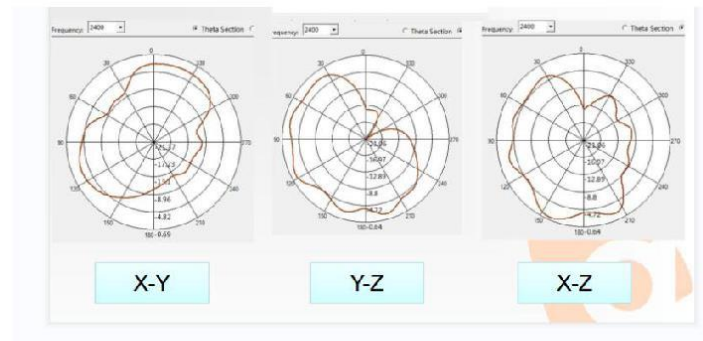


### 2.1. Antenna size



## 3. Gain Pattern





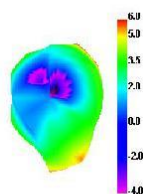
## 4. Bluetooth TRP

| Test                   | Bluetooth TRP |        |        |
|------------------------|---------------|--------|--------|
| Result                 | 0             | 19     | 39     |
| Frequency (MHz)        | 2402          | 2440   | 2480   |
| TRP(dBm)               | 1.46          | 1.36   | -0.86  |
| NHPRP(dBm) 45          | 0.27          | 0.09   | -2.14  |
| MAX(dBm)               | 6.02          | 6.58   | 4.46   |
| EIRP peak              | 6.02          | 6.58   | 4.46   |
| Min(dBm)               | -11.77        | -10.46 | -11.33 |
| Attenuation Horizontal | 41.17         | 42.08  | 41.17  |
| Attenuation Vertical   | 41.16         | 42.07  | 41.16  |

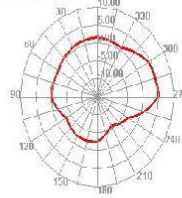
**Bluetooth TRP**



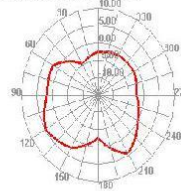
**Bluetooth 0 TRP**



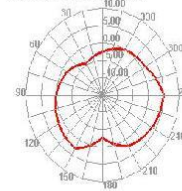
**Bluetooth 0 TRP H**

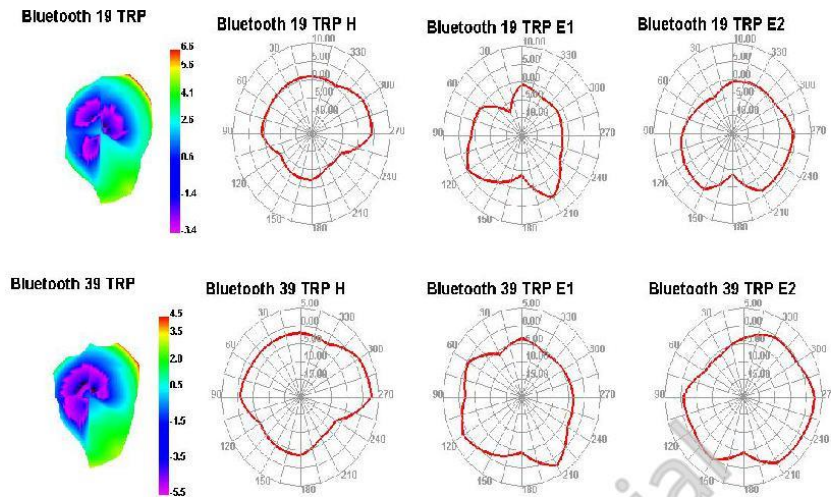


**Bluetooth 0 TRP E1**



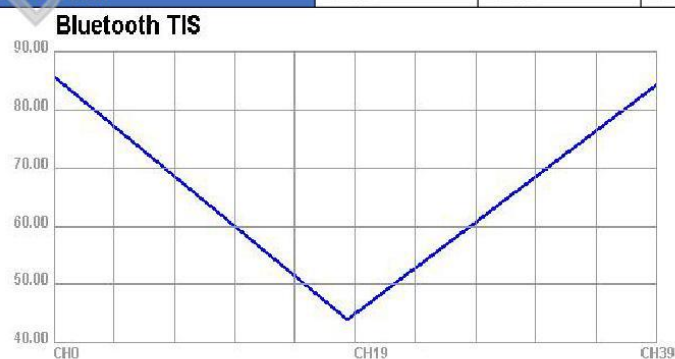
**Bluetooth 0 TRP E2**

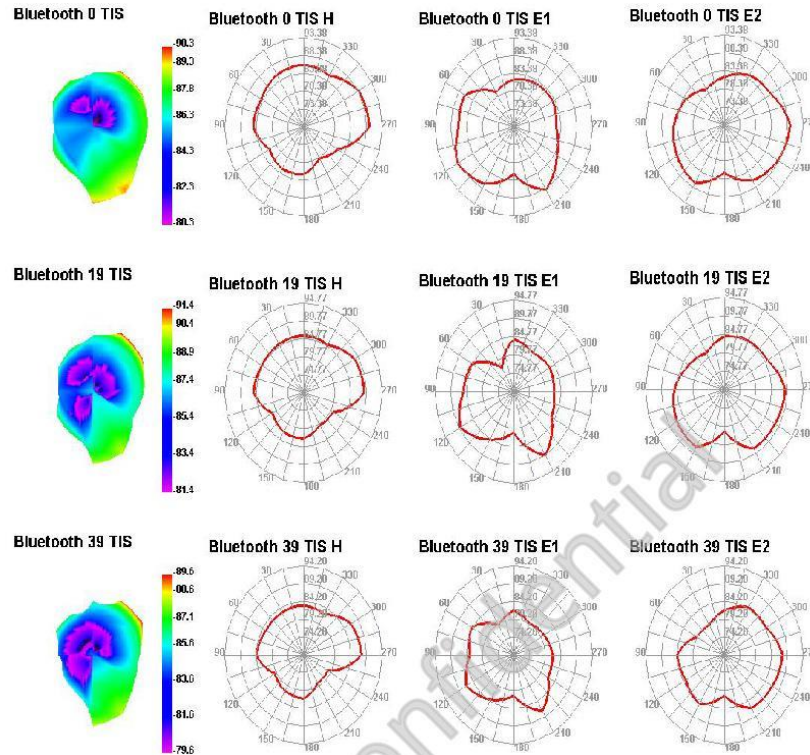




## 5. Bluetooth TIS

| Test                   | Bluetooth TIS |        |        |
|------------------------|---------------|--------|--------|
| Result                 | 0             | 19     | 39     |
| Frequency (MHz)        | 2402          | 2440   | 2480   |
| TIS(dBm)               | -85.74        | -86.14 | -84.25 |
| NHPIS(dBm) 45          | -84.56        | -84.86 | -82.97 |
| RSSIAve                | 2.37          | 1.36   | 0.05   |
| MaxPosRSSI             | 5.7           | 4.81   | 2.88   |
| MaxPosSens             | -89.08        | -89.58 | -87.08 |
| MAX(dBm)               | 6.93          | 6.58   | 5.37   |
| EIS peak               | 6.93          | 6.58   | 5.37   |
| Min(dBm)               | -10.86        | -10.46 | -10.42 |
| Attenuation Horizontal | 42.08         | 42.08  | 42.08  |
| Attenuation Vertical   | 42.07         | 42.07  | 42.07  |





## 6. Company Profile

BARROT TECHNOLOGY CO., LTD. – Barrot is a world leading one-stop chipset level solution provider who offers wireless connectivity and audio intelligent hardware solutions featuring with own IPs. The company is an associated member of The Bluetooth SIG, and it is the only one who contributes to Bluetooth specification definition in Greater China. Barrot owns three high-tech IPs: Bluetooth RF, Bluetooth stack and Acoustic algorithms, so Barrot offers most integrated, robust, reliable, and easy-to-use wireless turn-key solutions for IOT, Automotive and Wireless audio applications.

Barrot devotes itself to being the most reliable short distance wireless technologies' solution provider in the world.

## 7. Contact Information

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