



BR2602e-u2 ANT Datasheet

August 1, 2023

Version 1.1

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

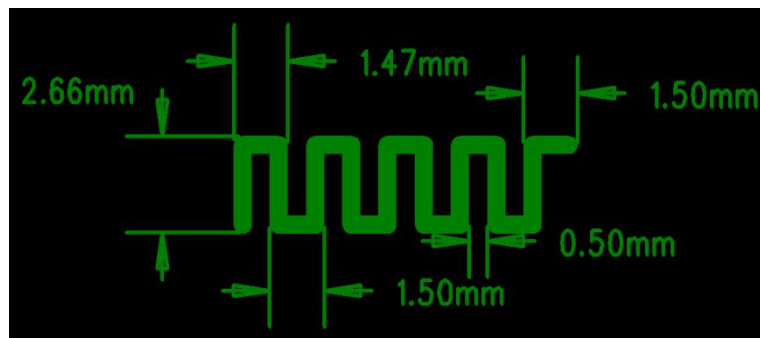
Frequency: 2400-2483.5MHz

Type: PCB

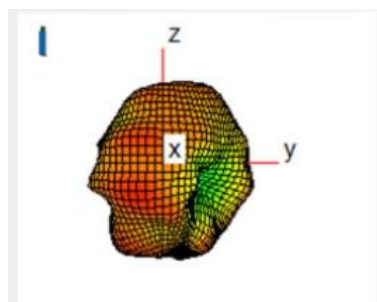
2. Location

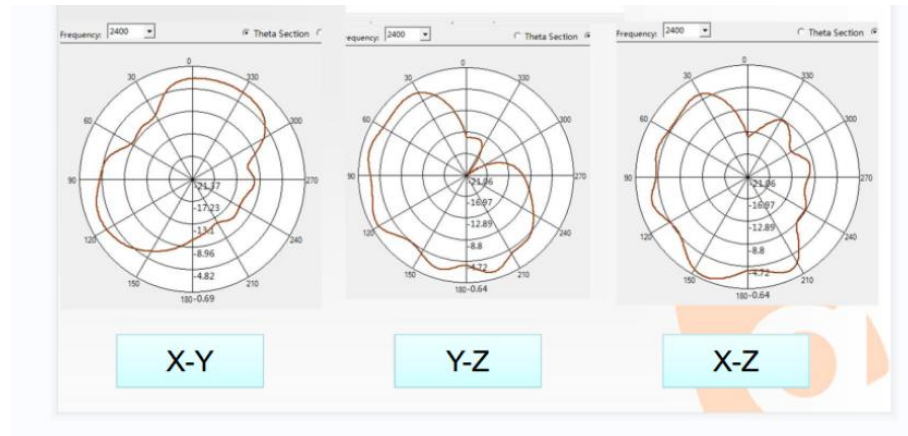


2.1. Antenna size



3. Gain Pattern





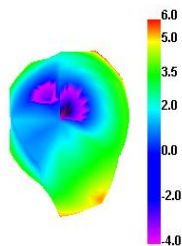
4. Bluetooth TRP

Test	Bluetooth TRP		
Result	0	19	39
Frequency (MHz)	2402	2421	2441
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

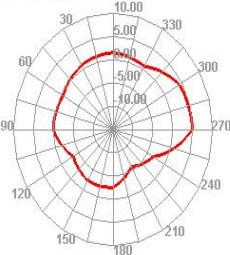
Bluetooth TRP



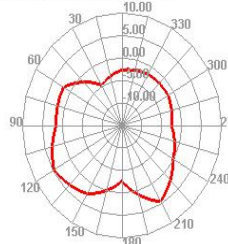
Bluetooth 0 TRP



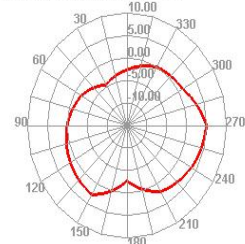
Bluetooth 0 TRP H



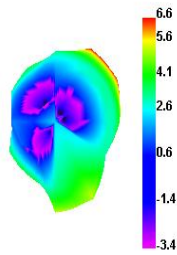
Bluetooth 0 TRP E1



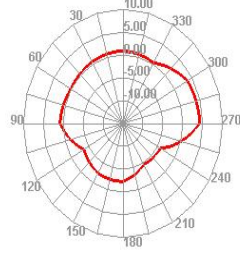
Bluetooth 0 TRP E2



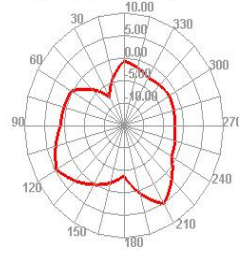
Bluetooth 19 TRP



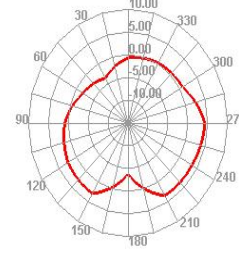
Bluetooth 19 TRP H



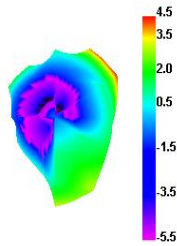
Bluetooth 19 TRP E1



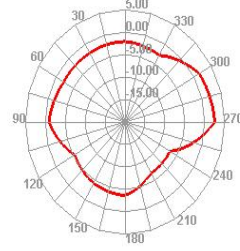
Bluetooth 19 TRP E2



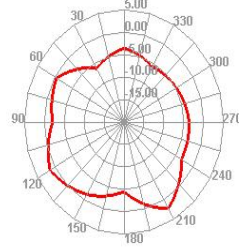
Bluetooth 39 TRP



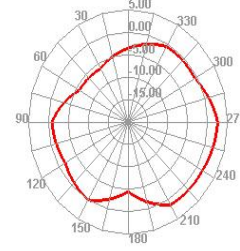
Bluetooth 39 TRP H



Bluetooth 39 TRP E1



Bluetooth 39 TRP E2

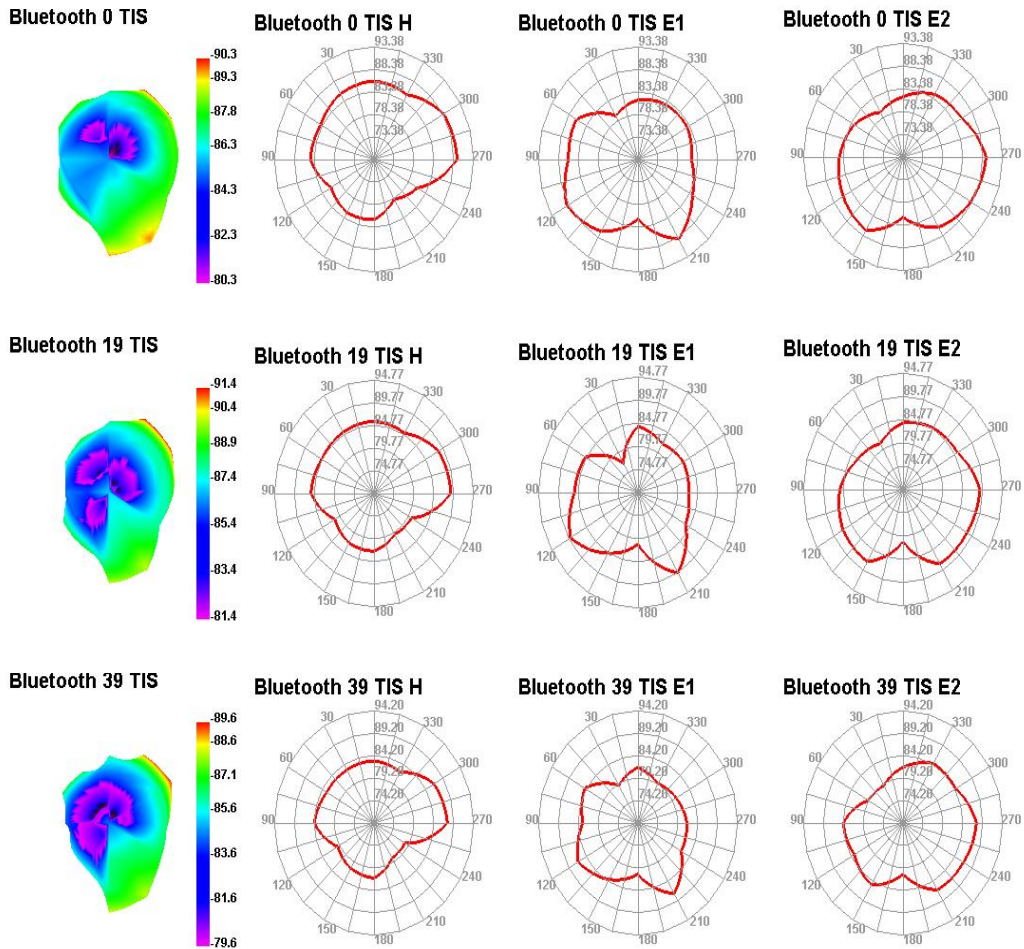


5. Bluetooth TIS

Test	Bluetooth TIS		
Result	0	19	39
Frequency (MHz)	2402	2421	2441
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

Bluetooth TIS





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

7.1. Beijing

Beijing Tel: +86 10 82702580

Fax: +86 10 82898219

Address: A1009, Block A, Jia Hua Building, No.9 Shangdisanjie St, Haidian District, Beijing

Marketing Email: marketing@barrot.com.cn

Support: support@barrot.com.cn

Web site: www.barrot.com.cn

7.2. Shenzhen

Shenzhen Tel: +86 755 27885822-603

Address: Floor 5, building 1, COFCO business park, district 67, Xingdong community, Xin'an street, Bao'an District, Shenzhen City, Guangdong Province

Support: support@barrot.com.cn

Web site: www.barrot.com.cn

7.3. Shanghai

Address: 2nd Floor, No. 500, Bibo Road, Zhangjiang Gaoke, Pudong New Area, Shanghai

Support: support@barrot.com.cn

Web site: www.barrot.com.cn

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