

Barrot Confidential

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 2.Modify gain data	2023-8-1	Chunli Liu

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1. Description

Gain: 0.5db

Frequency: 2400-2483.5MHz

Type: PCB

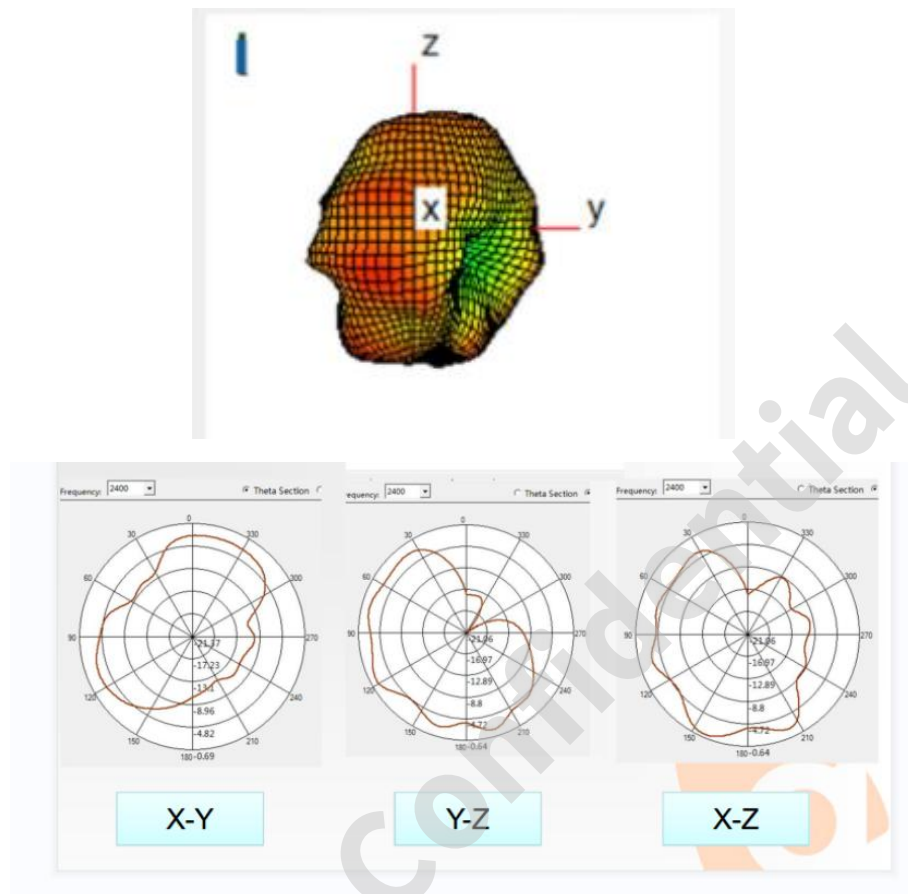
2. Location

see test report

2.1. Antenna size

4cm*2.5cm

3. Gain Pattern

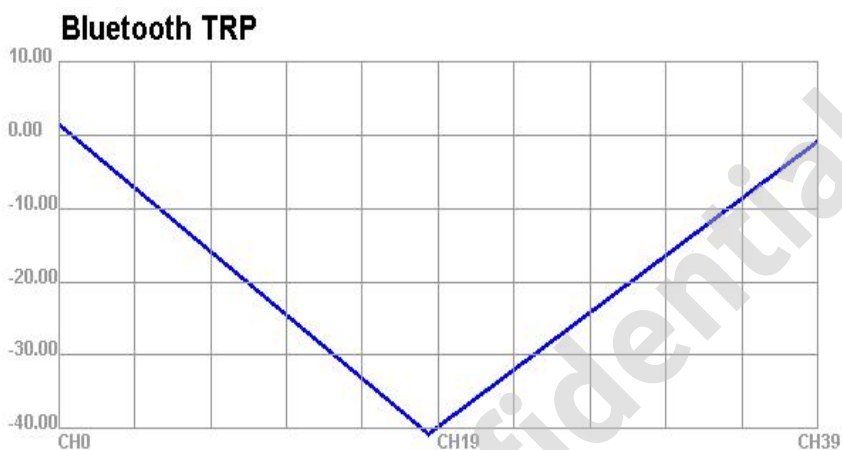
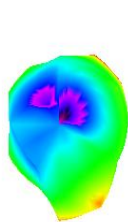
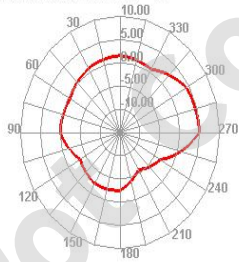
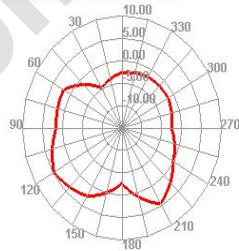
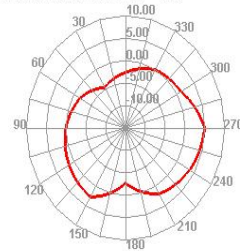
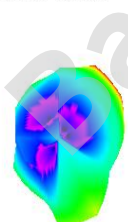
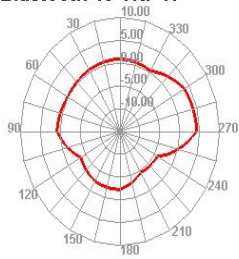
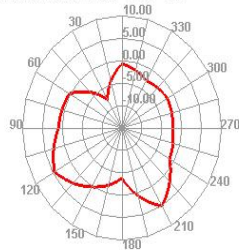
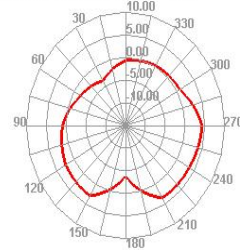
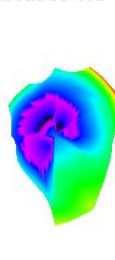
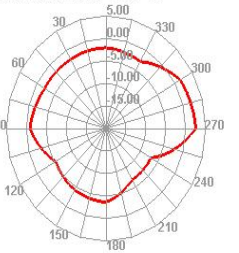
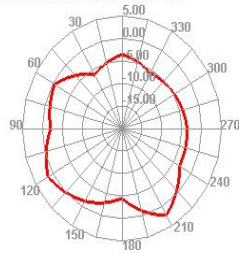
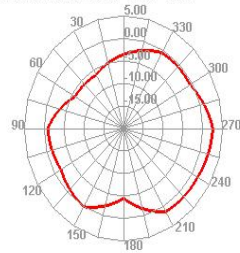


4. Bluetooth TRP

Table 1

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

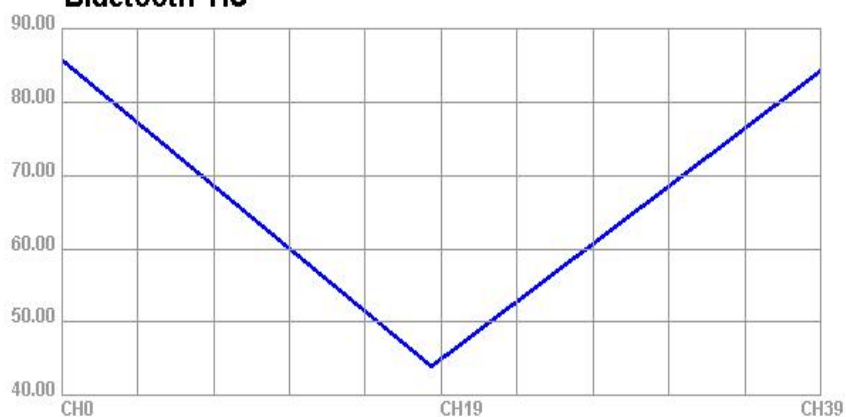

Bluetooth 0 TRP

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

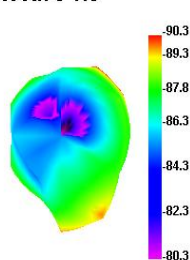
Table 2

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

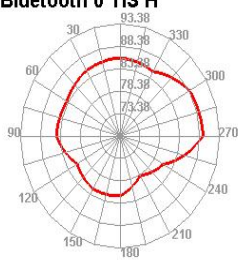
Bluetooth TIS



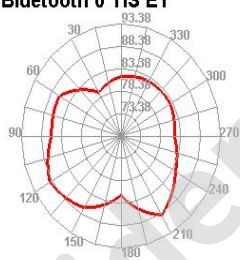
Bluetooth 0 TIS



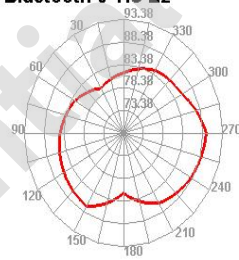
Bluetooth 0 TIS H



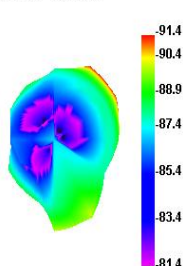
Bluetooth 0 TIS E1



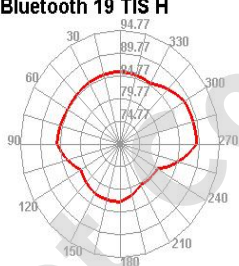
Bluetooth 0 TIS E2



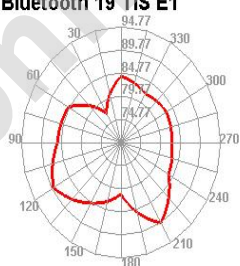
Bluetooth 19 TIS



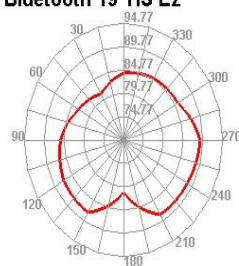
Bluetooth 19 TIS H



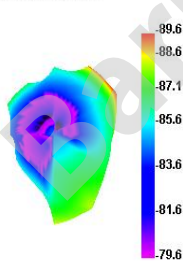
Bluetooth 19 TIS E1



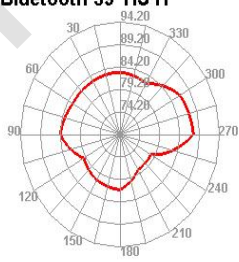
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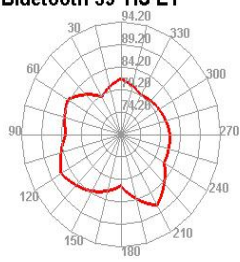
Bluetooth 39 TIS



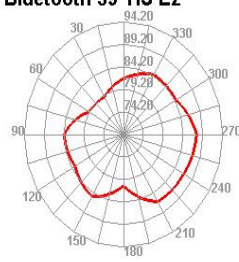
Bluetooth 39 TIS H



Bluetooth 39 TIS E1



Bluetooth 39 TIS E2



6. Company Profile

Barrot Technology – 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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