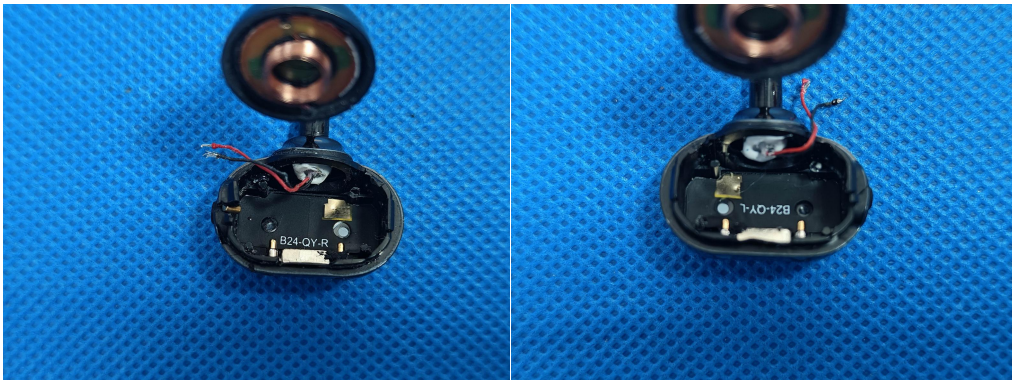


Antenna Specification

1、Electrical performance

- 1.1) Type of Antenna: FPC antenna
- 1.2) Frequency range: 2400MHz ~ 2500MHz
- 1.3) Gain: Left: 2.8dBi Right: 3.5dBi
- 1.4) Impedance: 50 ohm
- 1.5) VSWR: ≤ 2
- 1.6) Return Loss: ≤ -10 dB
- 1.7) Polarization: Linear
- 1.8) Radiation: Omni-directional
- 1.9) Model: E1
- 1.10) Manufacturer: SHENZHEN JIECHEN TECHNOLOGY CO.,LTD
- 1.11) address: 2103,Block C,Building 1,Section 1,Chuangzhiyuncheng,Liuxian Avenue,Xili Street,Nanshan District,Shenzhen, China

2、Antenna graph



3、Gain pattern

4.1) Gain chart

Left:

Test Result	Bluetooth TRP		
	0	39	78
Frequency (MHz)	2402	2441	2480
TRP (dBm)	-2.07	-2.6	-3.37
NHPRP (dBm) 45	-2.66	-3.23	-4.04
Gain peak (dBi)	2.8	2.43	1.46
Min (dBm)	-13.94	-16.18	-17.67
Attenuation Horizontal	43.34	43.34	43.34
Attenuation Vertical	43.24	43.24	43.24

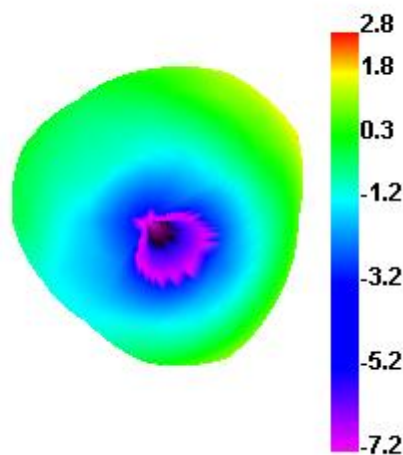
Right:

Test Result	Bluetooth TRP		
	0	39	78
Frequency (MHz)	2402	2441	2480
TRP (dBm)	-1.88	-0.99	-0.15
NHPRP (dBm) 45	-2.96	-2.02	-1.12
Gain peak (dBi)	1.4	2.61	3.5
Min (dBm)	-7.21	-6.42	-6.02
Attenuation Horizontal	43.34	43.34	43.34
Attenuation Vertical	43.24	43.24	43.24

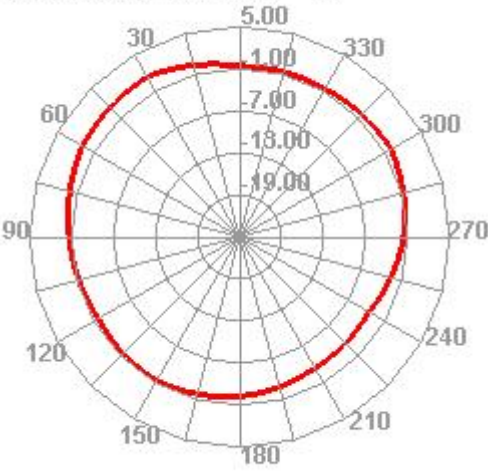
4.2) 3D/2D gain pattern

Left:

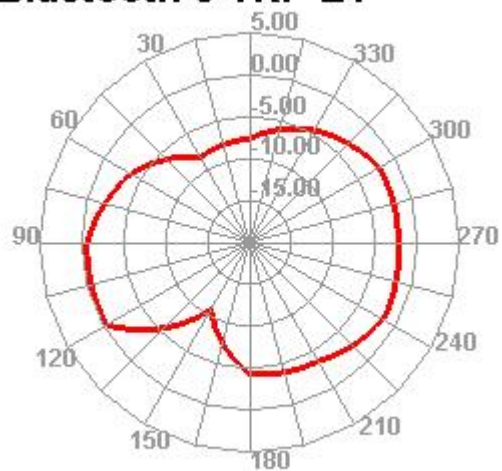
Bluetooth 0 TRP



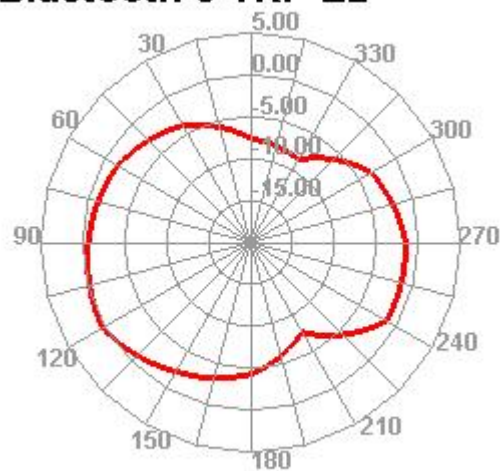
Bluetooth 0 TRP H



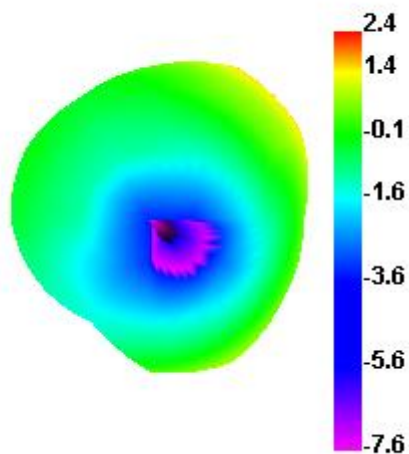
Bluetooth 0 TRP E1



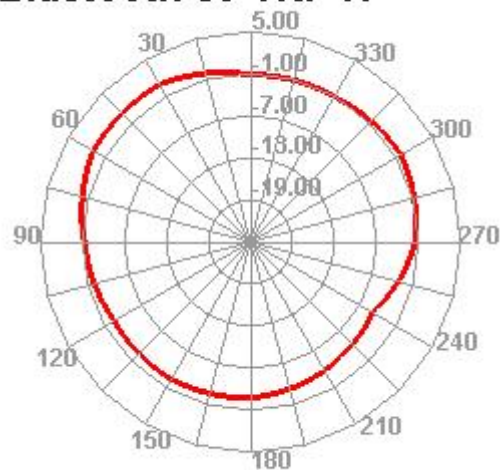
Bluetooth 0 TRP E2



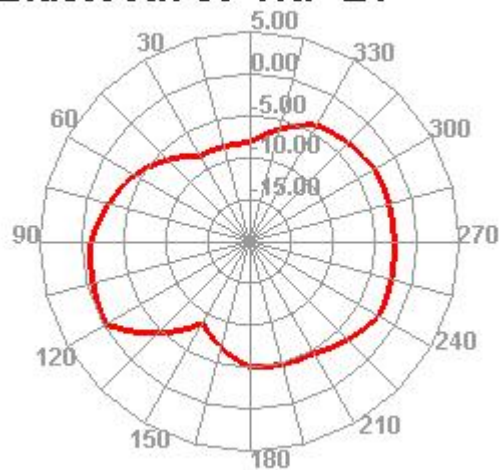
Bluetooth 39 TRP



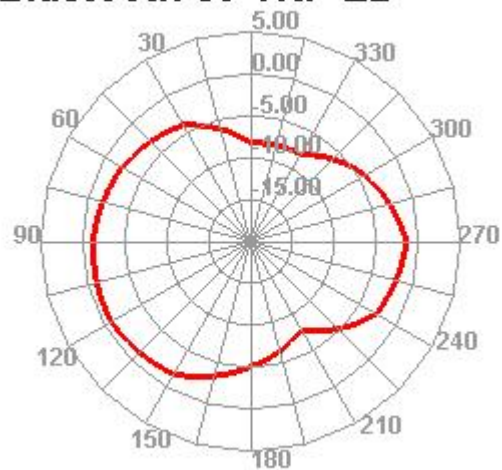
Bluetooth 39 TRP H



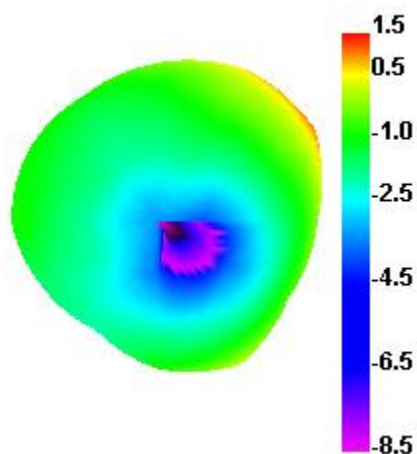
Bluetooth 39 TRP E1



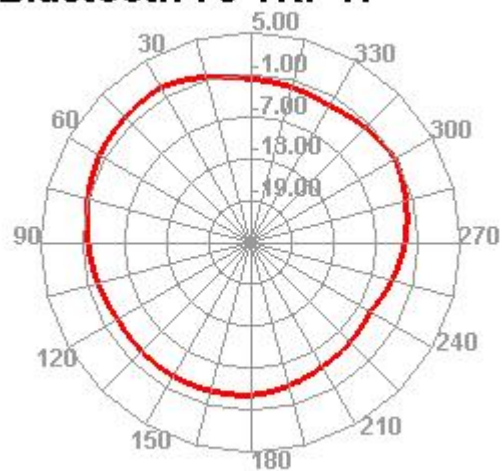
Bluetooth 39 TRP E2



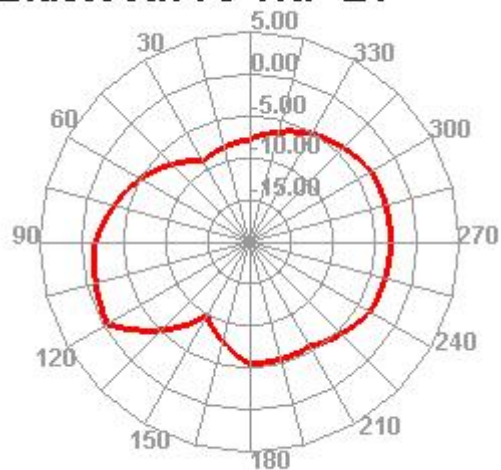
Bluetooth 78 TRP



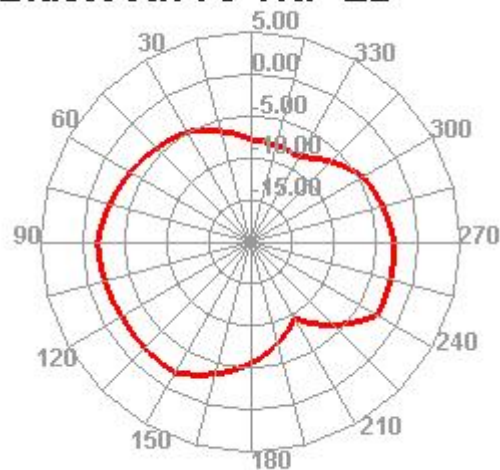
Bluetooth 78 TRP H



Bluetooth 78 TRP E1

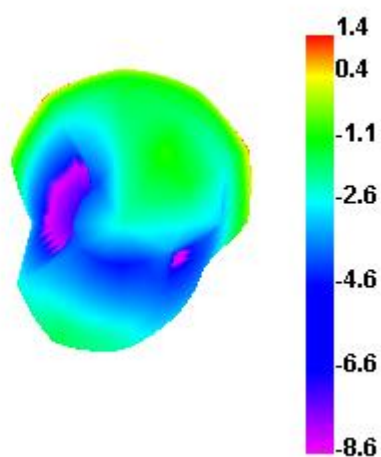


Bluetooth 78 TRP E2

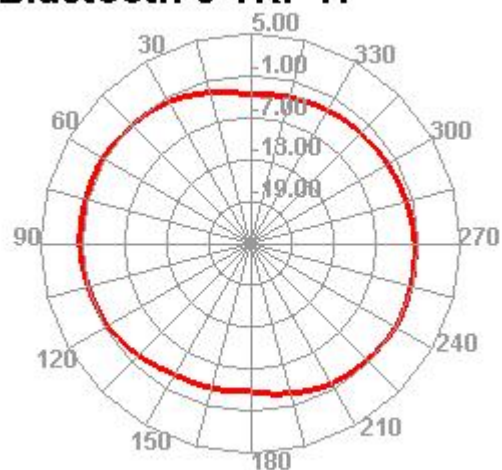


Right:

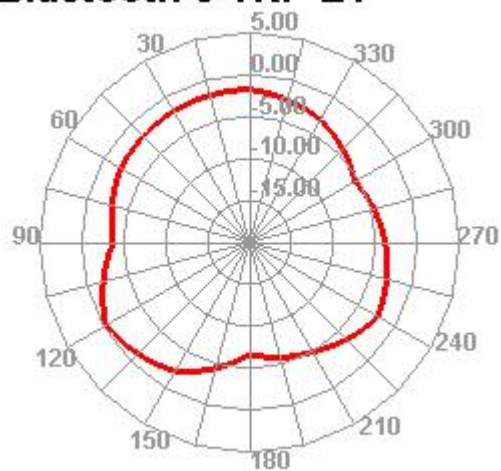
Bluetooth 0 TRP



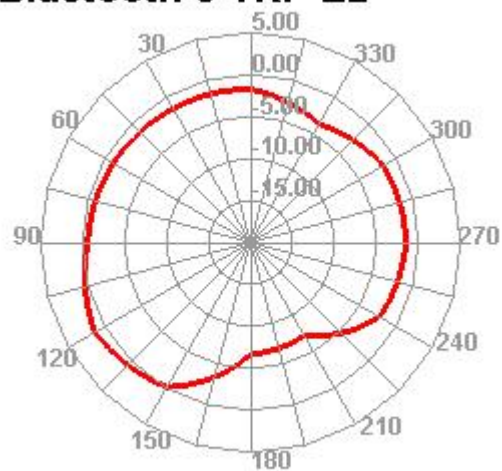
Bluetooth 0 TRP H



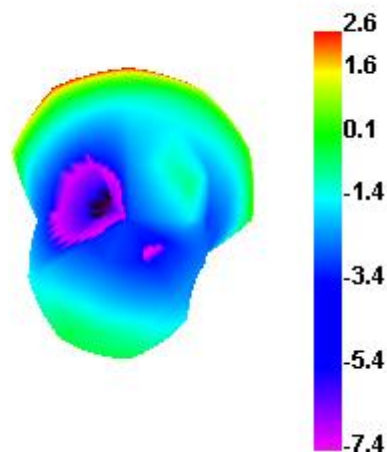
Bluetooth 0 TRP E1



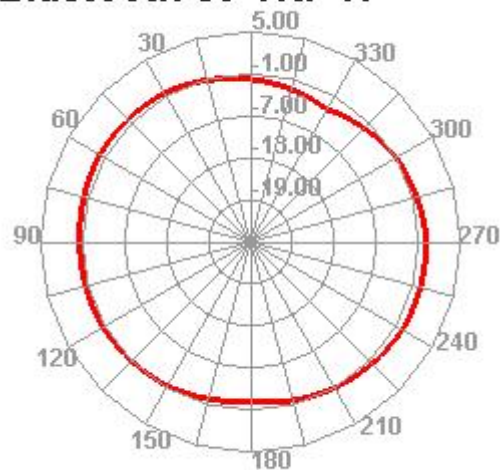
Bluetooth 0 TRP E2



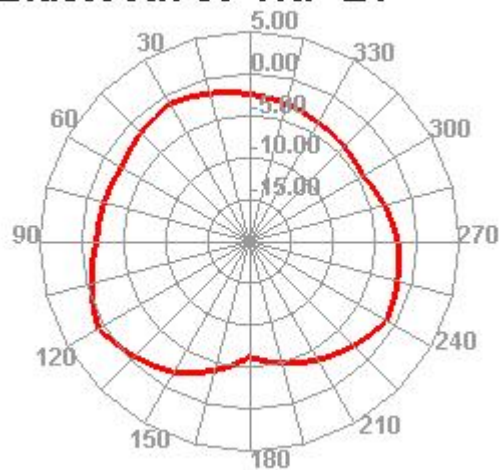
Bluetooth 39 TRP



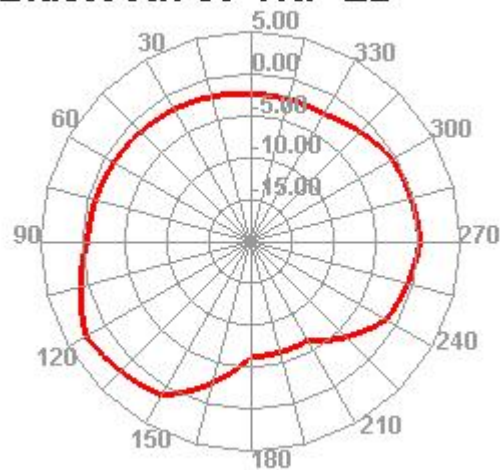
Bluetooth 39 TRP H



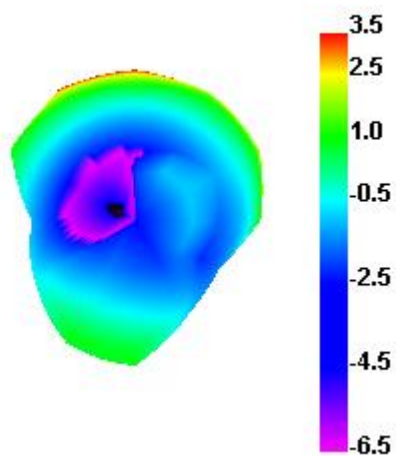
Bluetooth 39 TRP E1



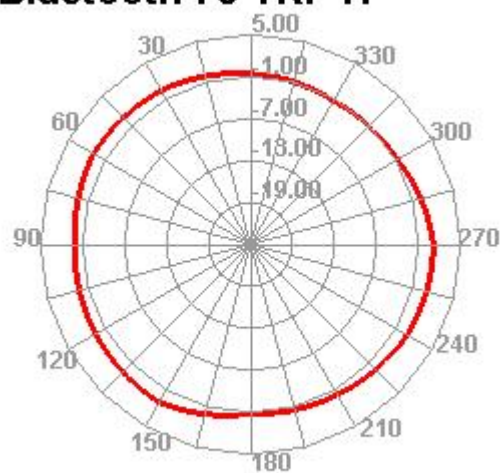
Bluetooth 39 TRP E2



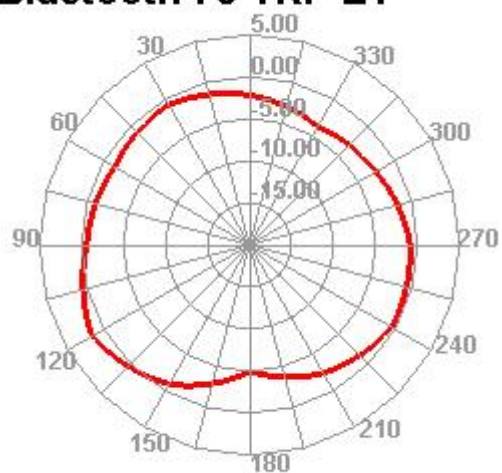
Bluetooth 78 TRP



Bluetooth 78 TRP H



Bluetooth 78 TRP E1



Bluetooth 78 TRP E2

