

Antenna Gain Patterns

Antenna Details

Antenna Type : PCB

Frequency Bands Supported : BLE (2.4 - 2.485 GHz)

Antenna Manufacturer and Type

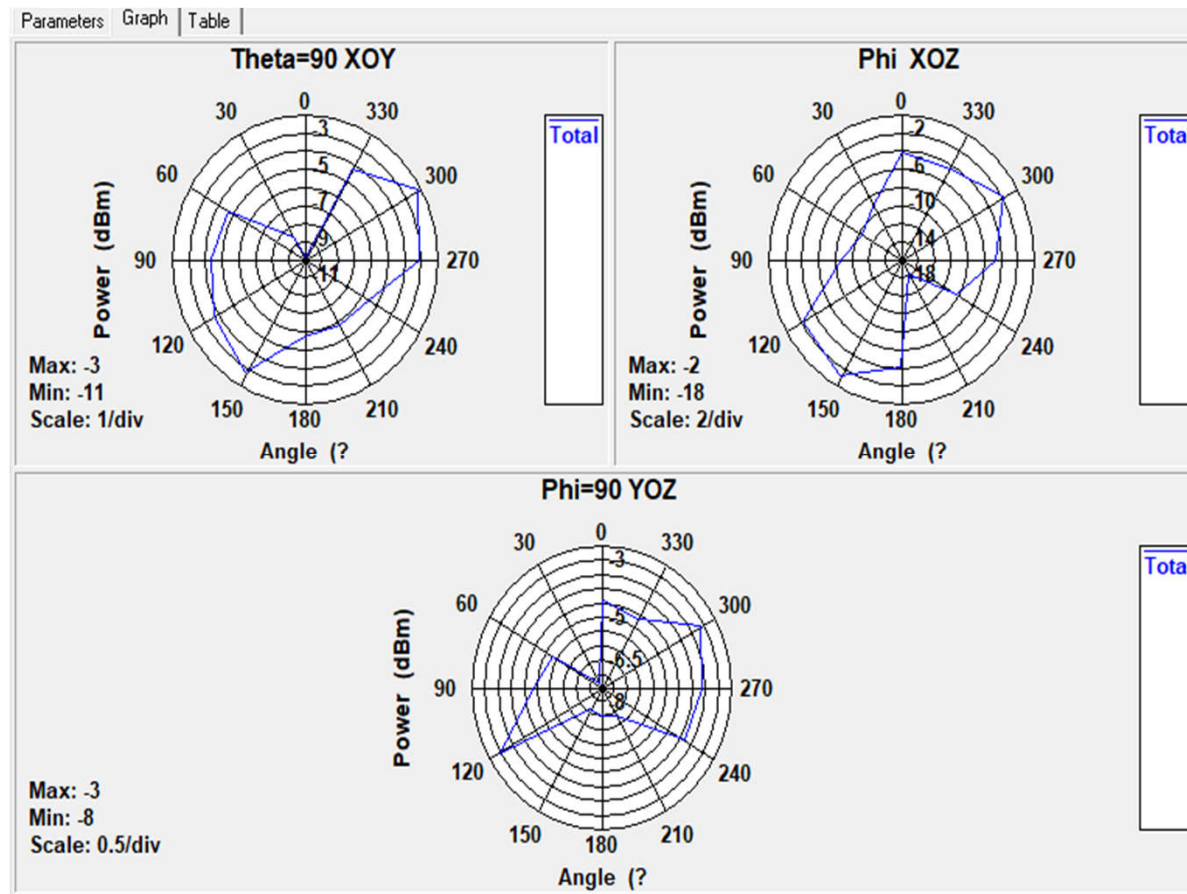
Type	Manufactuer
309000152807R1	Avary Holding (Shenzhen) Co., LTD
309000152813R1	Kinwong Electronics

Bluetooth Antenna Efficiency and Peak Gain

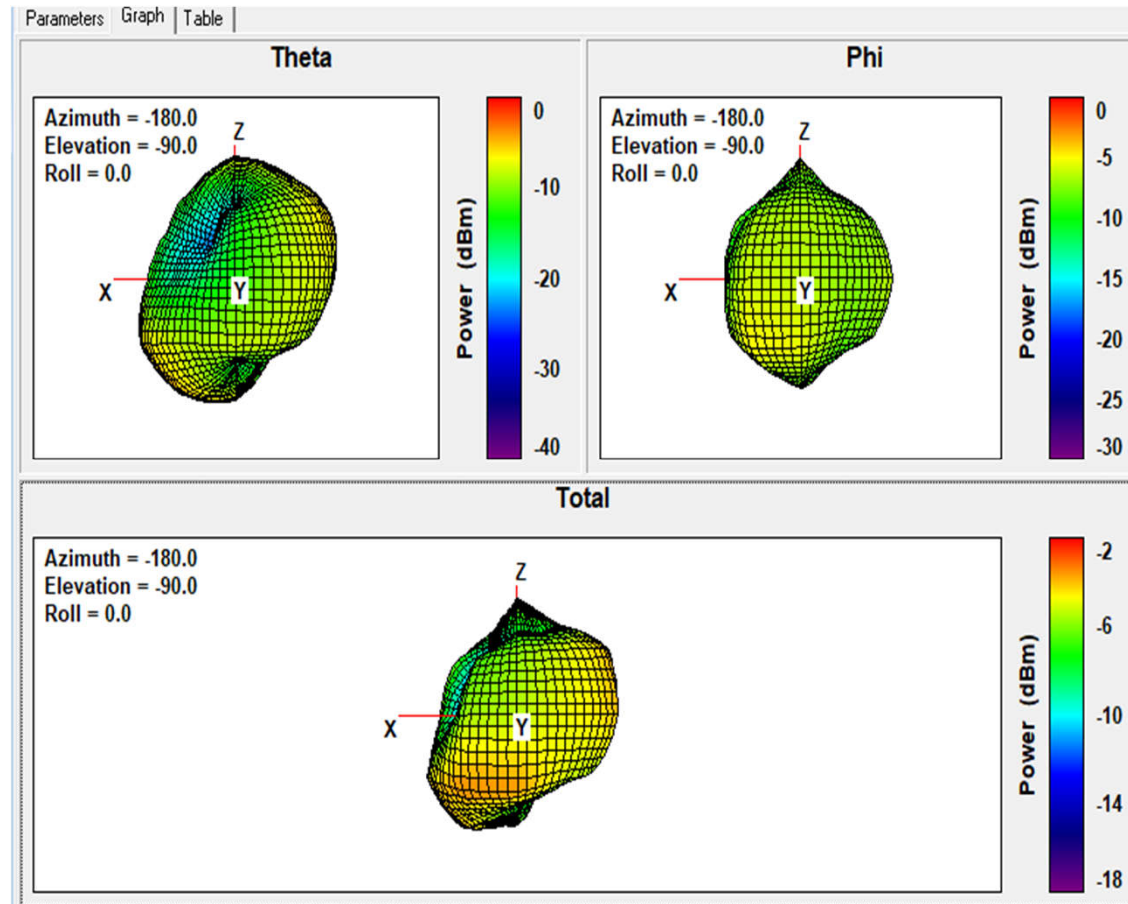
Peak ANT Gain : 0.2 dBi

Frequency(M Hz)	Efficiency (dB)	Gain (dBi)
2400	-4.7	-0.6
2440	-4.2	0
2480	-3.9	0.2

F = 2.44 GHz (Bluetooth ANT)



Radiation pattern ($F = 2.44 \text{ GHz}$)



Antenna Manufacture

1 Avary Holding(Shenzhen)Co.,LTD

Address: 27th Floor, Block A, AVARY Time Center, No. 2038 Haixiu Road, Haibin Community, Xin'an Street, Bao'an District, Shenzhen.

2 Kinwong Electronic Technology (Zhuhai) Co., Ltd

Address: Kinwong Electronics Building, No.158 Guangyuan 3rd Road, Dongkeng Community, Fenghuang Street, Guangming District, Shenzhen.

Antenna test equipment

Vector network analyzer Keysight E5071C

Microwave chamber ETS 8923

Calibration date:2024/11/10

Due data:2025/11/10

Antenna test software

EMQuest™

Antenna pattern

PCB antenna

Test Dates	Nov-2024
Test Engineer	Phi Xu