

Antenna Specification

Frequency range of operation:

Antenna 1 : Right Bud BT/BLE Antenna

Antenna 2: Left Bud BT/BLE Antenna

Antenna 1 & 2:

- Bluetooth/BLE: 2.4 to 2.48 GHz

Antenna Type:

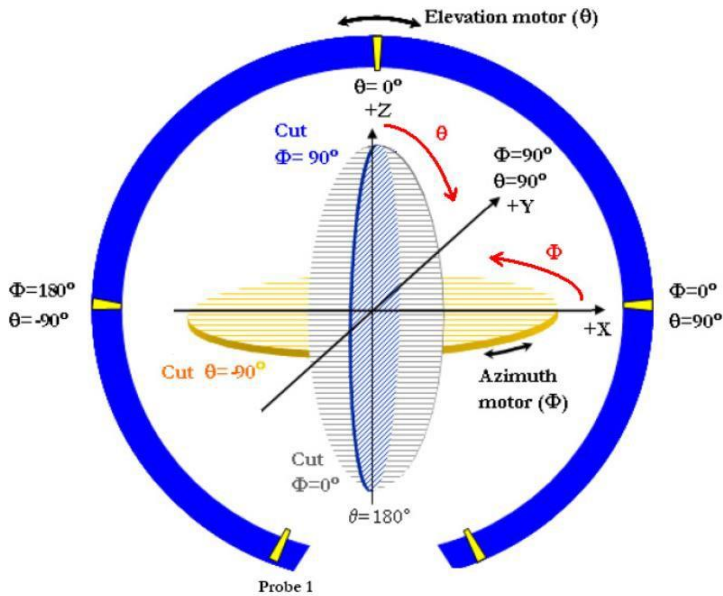
Antenna 1 & 2 : PIFA

Antenna 1 & 2 : Implementation: Flexible Printed Circuit (FPC)

Peak Antenna Gain:

Peak Antenna Gain (dBi)		
Band	Antenna 1	Antenna 2
BT/BTLE (2400-2480MHz)	1.5 dBi	1.5 dBi

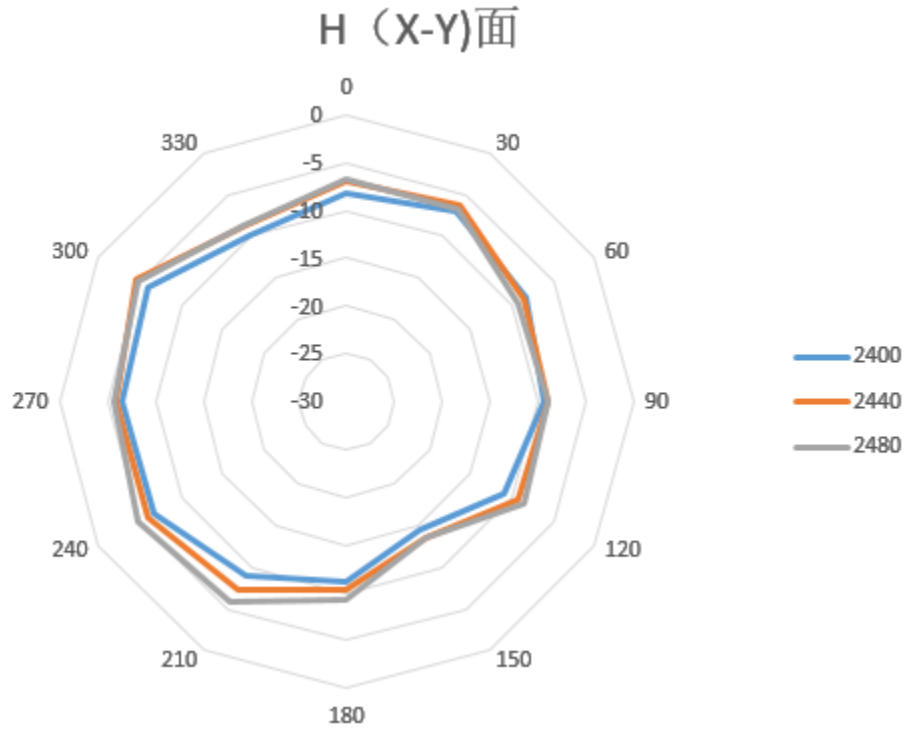
Antenna Radiated Pattern Orientation:



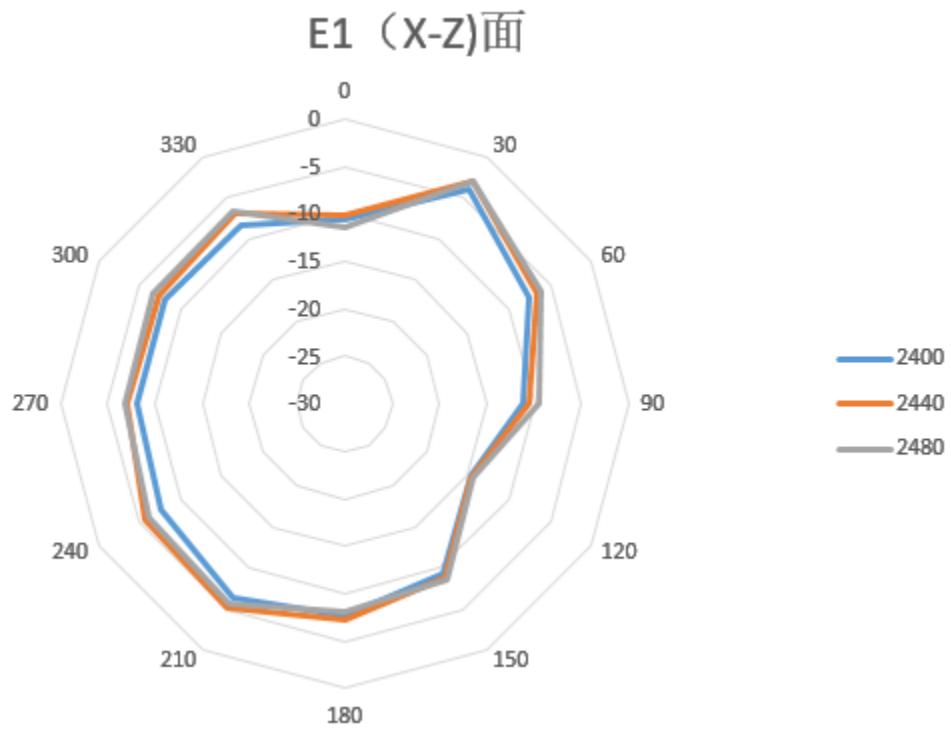
Antenna Gain is for the antenna when installed in the device.

Antenna 1 : Right Bud BT/BLE Antenna

XY-Plane

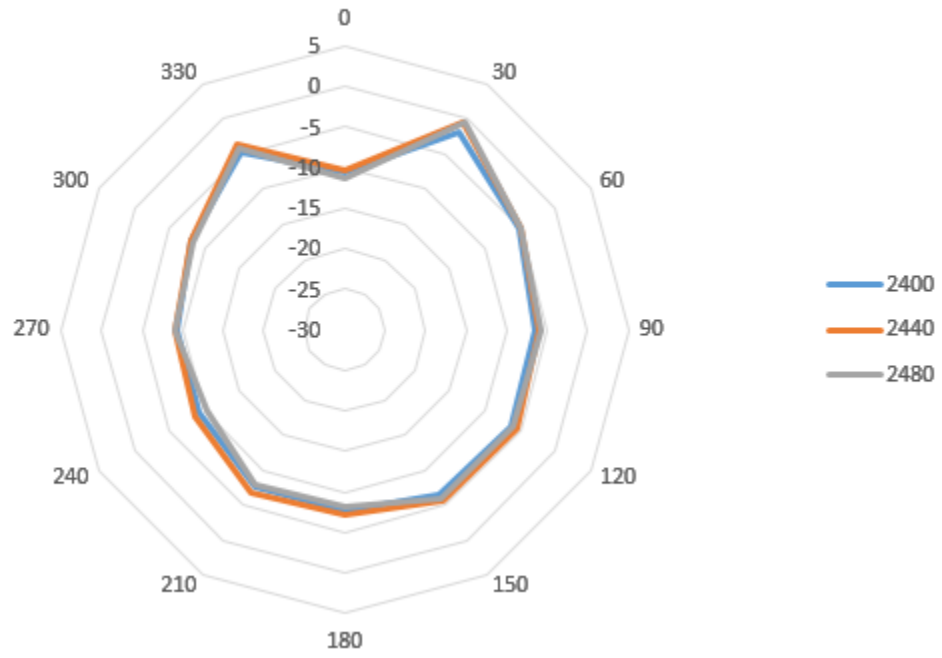


XZ-Plane



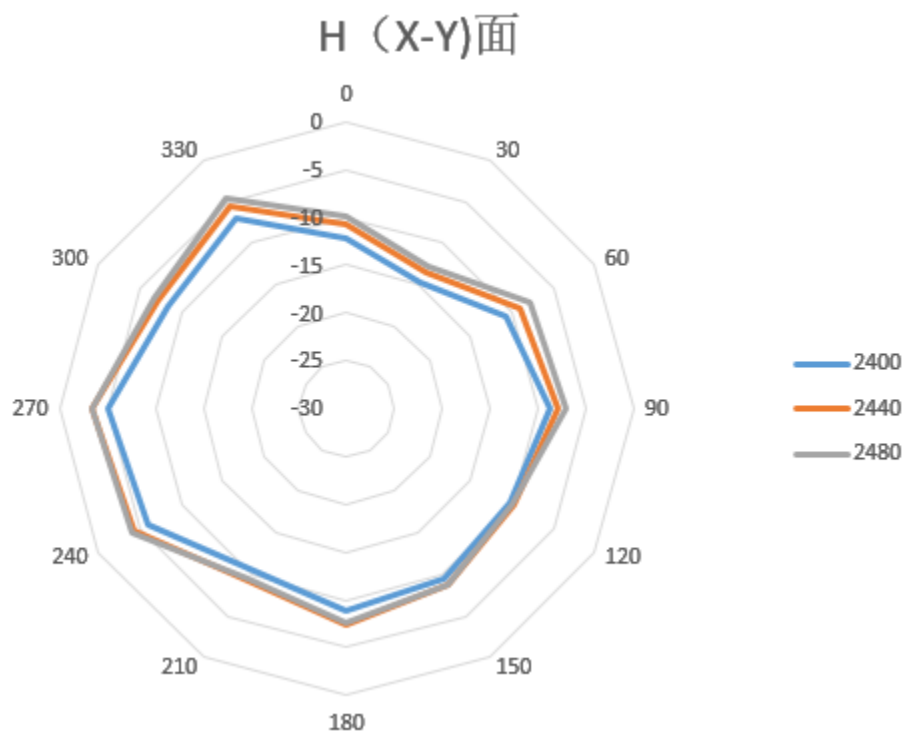
YZ-Plane

E2 (Y-Z)面

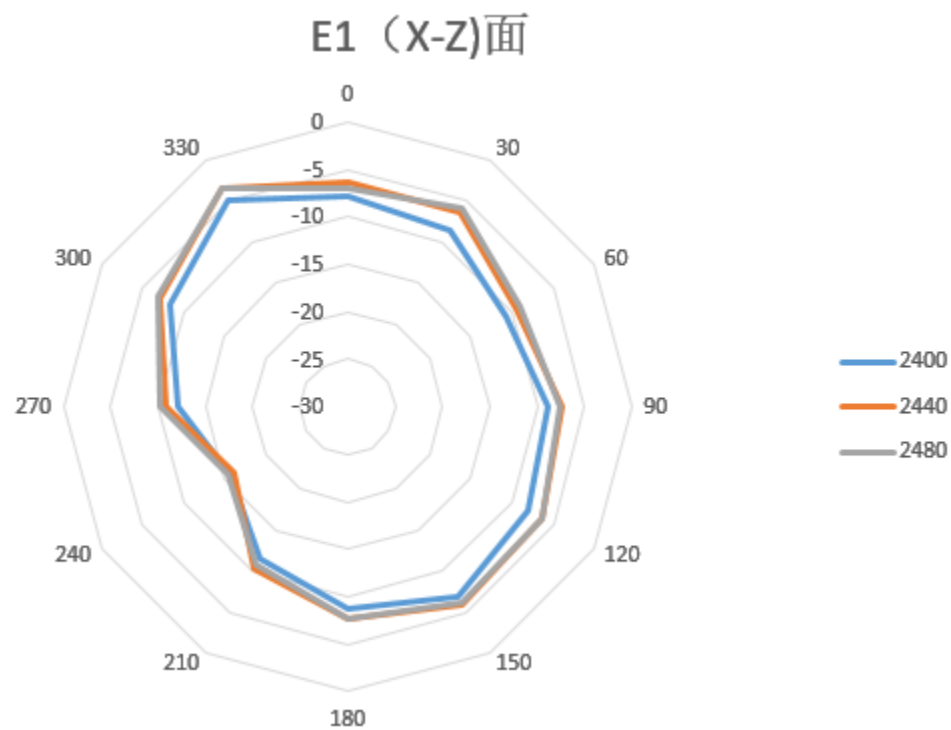


Antenna 2 : Left Bud BT/BLE Antenna

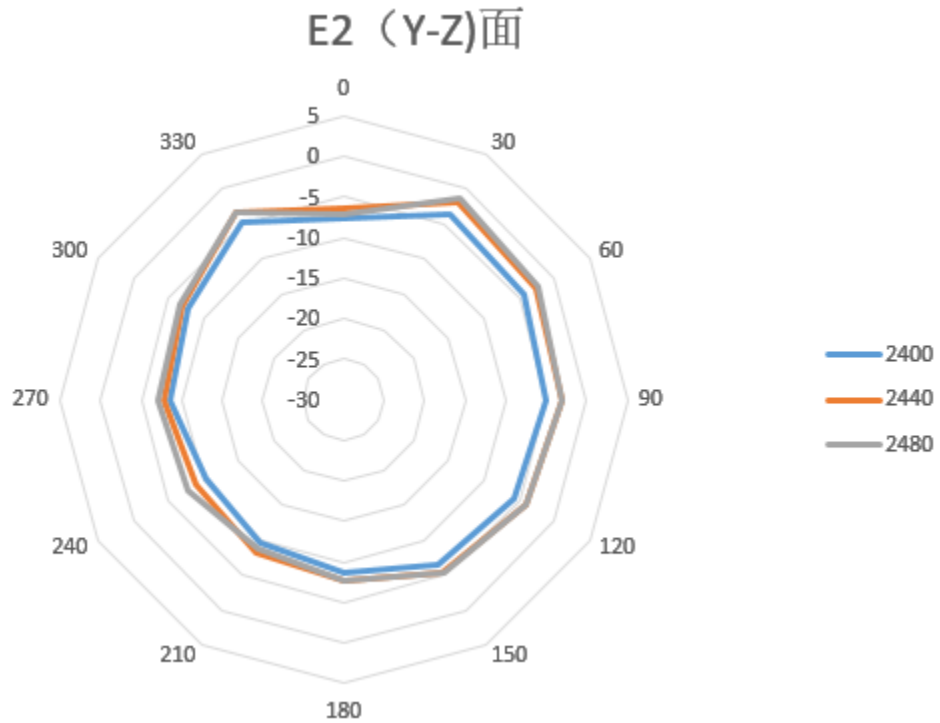
XY-Plane



XZ-Plane



YZ-Plane



Test procedure:

- Implement passive fixture for passive test
- Place the fixture in the chamber and fix it in the holder
- Set up the frequency range, step and angle sweep step of test
- Start test and collect test data

Test equipment

- Chamber: Far field chamber. Model: TEM24
- Instrument: Network analyzer. Model: E5071C
- Software: TemRadio Passive V2.6.0