Antenna Specifications

FCC ID: 2AEUPBHARG001

IC ID: 20271-BHARG001

Model Number: 5F97F2

Frequency range of operation:

Antenna 1:

- Bluetooth: 2.4 to 2.48 GHz
- Wi-Fi: 2.4 to 2.48 GHz

Antenna type: IFA

Antenna gain: 3.5 dBi for BLE/Wi-Fi

Lab name: Amazon antenna lab

Lab address: 1100 Enterprise Way, Sunnyvale, CA 94089

Measurement test method:

Solder pigtails on feeding point of antenna and measure passive antenna performance by VNA and OTA chamber system.
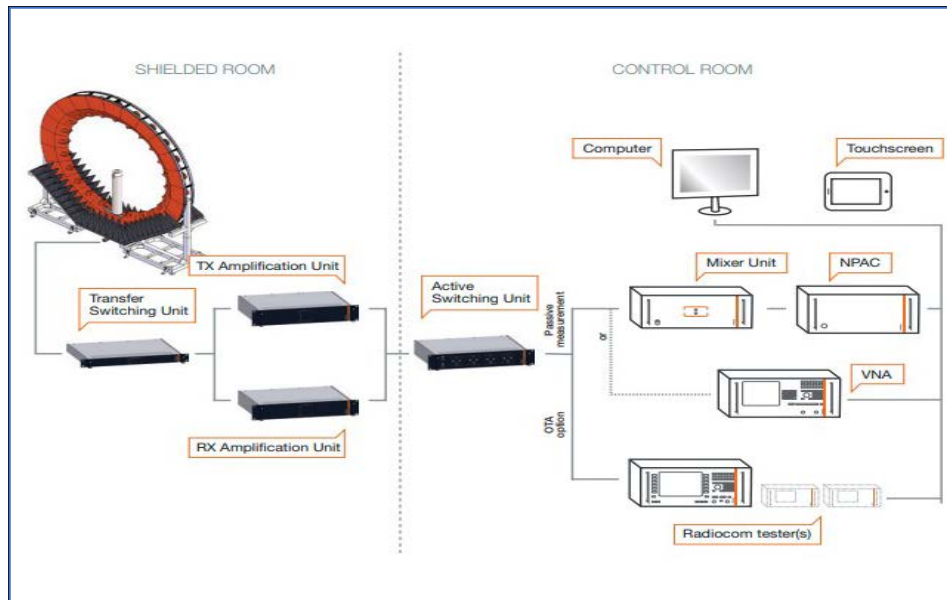
Test equipment:

VNA: Agilent E5071C

Calibration due: August 2024

OTA chamber: MVG/Satimo SG24

Test engineer: Tran Kevin

Equipment setup:

Software used: MVG Wave studio

Test set-up:

1. Set up the device on the turn table and connect the pigtails to the RF cable.
2. Measure the 3D passive performance according to the following coordinate axis.

Turntable – Phi: 0-165°, step size: 15°, clockwise rotation

Antenna radiated pattern orientation:

Antenna radiation pattern:

Setup photograph: