

Antenna Report

FCC-ID: 2A4B7-1021

Product Model Number: V4E6N2

Date: 08/15/2022

Blueberry Cornel LLC

Antenna Specification

Frequency Range of operation

- Wi-Fi: 2.4 to 2.48 GHz and 5.15 to 5.85 GHz
- Bluetooth (2.4 GHz): 2.4 to 2.48 GHz

Antenna Types:

- 2.4 GHz: PIFA (PCB Antenna, ANT1)
- 5 GHz: PIFA (PCB Antenna, ANT2)

Peak Antenna Gain:

Band	Peak Gain (dBi)	
	Ant1	Ant2
	PIFA	PIFA
BT/Wi-Fi at 2.4 GHz	5.2	-
Band 1 (5150-5250 MHz)	-	6.5
Band 2 (5250-5350 MHz)	-	6.5
Band 3 (5470-5725 MHz)	-	6.5
Band 4 (5725-5850 MHz)	-	6.5

Antenna Gain Measurement

Measurement Test Method

- Solder pigtails on feeding point of antenna and measure passive antenna performance by VNA and OTA chamber system. And the measurement was done in devices level.

Test Equipment used:

- VNA : Agilent Technologies E5071C
- OTA chamber : ETS-Lindgren AMS-8500

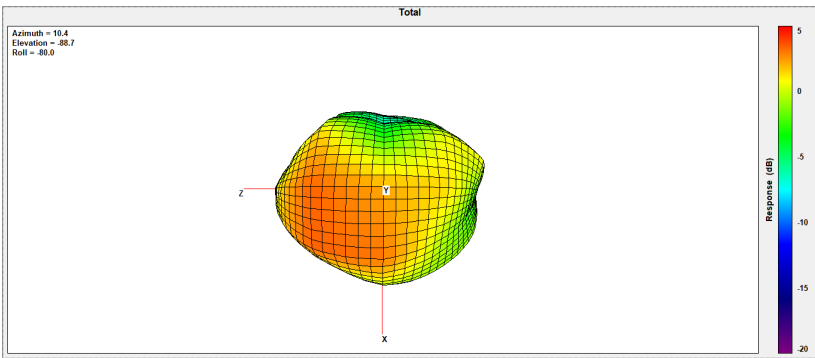
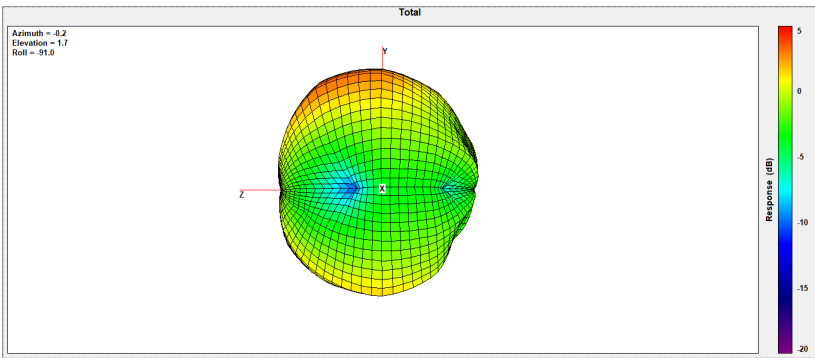
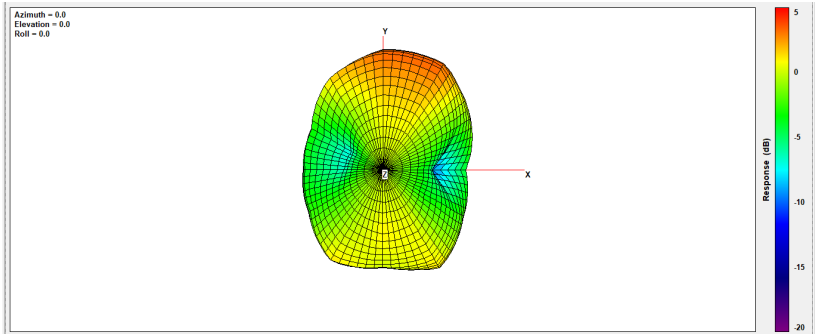
Test Set up

1. Set up the device on the tablet jig
2. Set up the jig and device on the chamber turn table and measure the 3D passive performance according to the following coordinate axis.

see separate test-set-up exhibit for set-up and pictures

Antenna Patterns

2.4G



5G

