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 E5071COTA chamber : ETS-Lindgren AMS-8500

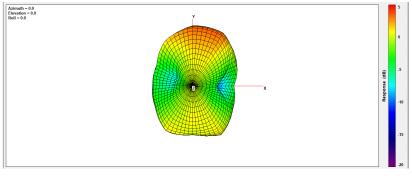
Test Set up

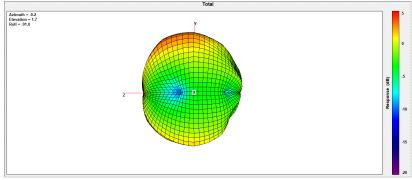
- 1. Set up the device on the tablet jig
- 2. Set up the jig and device on the chamber turn table and measure the 3D passive performance according to the following coordinate axis.

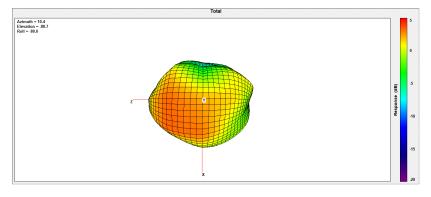
see separate test-set-up exhibit for set-up and pictures

Antenna Patterns

2.4G







5G

