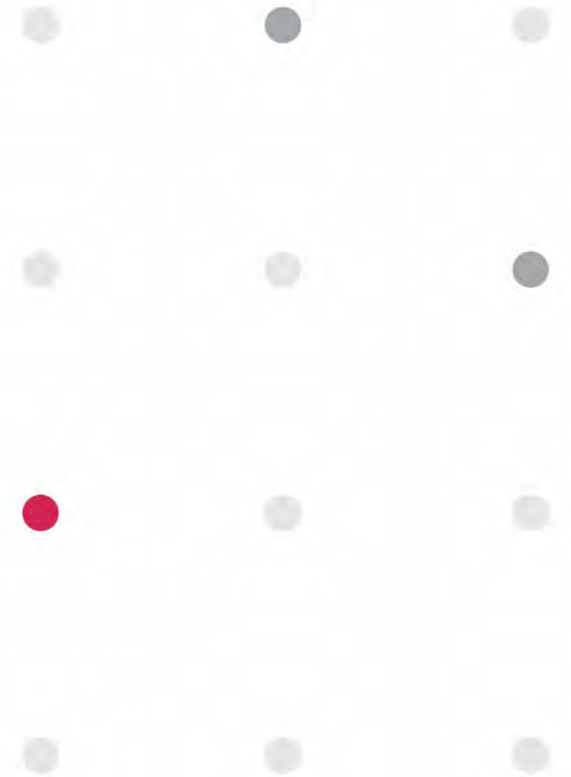


PSA

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.



OUTLINE

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2. Antenna Characteristics

2.1 Antenna Efficiency and Peak Gain

2.2 views of antenna & 2D/3D Radiation Patterns

3. Summary

1. Antenna Overview

1.1 Antenna Datasheet

Product OC: RFFPA251100NNLB001

Antenna manufacturer: Passive System Alliance

Manufacturer Address: No. 11, Keyi St., Zhunan Township, Miaoli County 350402, Taiwan (R.O.C.)

Released Date: 2024-01-04

Product Name: Wifi FPC Antenna

Key Features:

Antenna type: FPC Loop Antenna

Frequency Band: 2400-2500 MHz, 5150-5850MHz

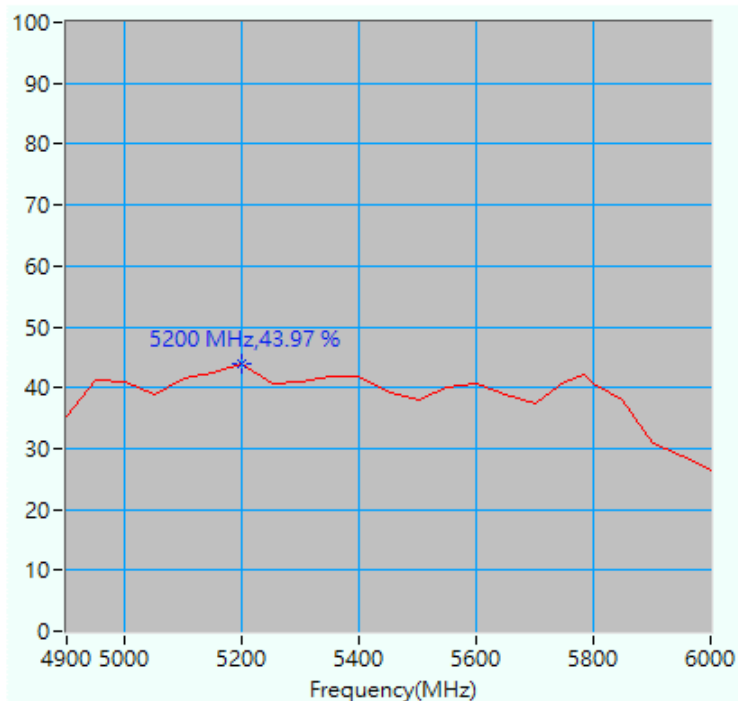
Peak Gain: 2G/1.48dBi, 5G/3.01dBi

Efficiency: Up to 43.9 % Compliant

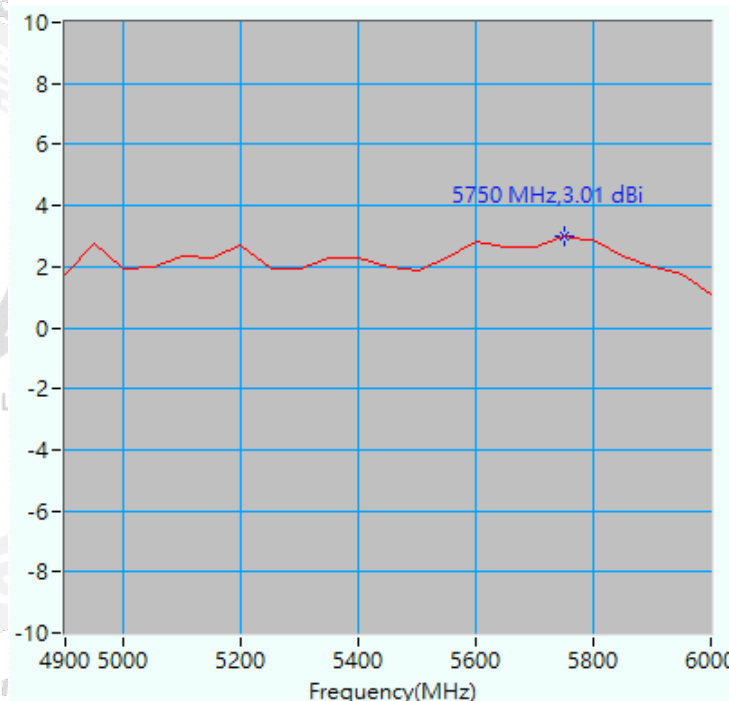
2. Antenna Characteristics

WiFi-5G

2.1 Antenna Efficiency and Peak Gain



Maximum Efficiency at 5200 MHz : 43.97 %

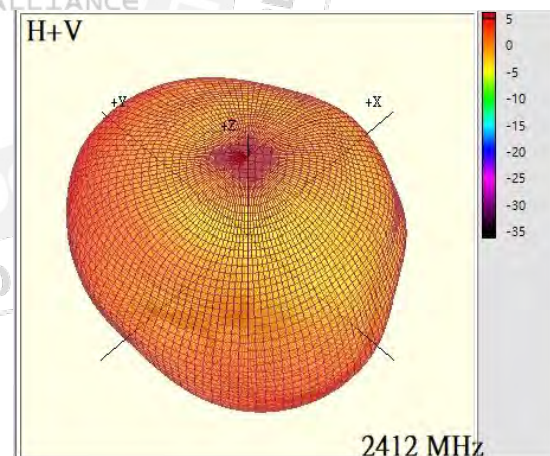
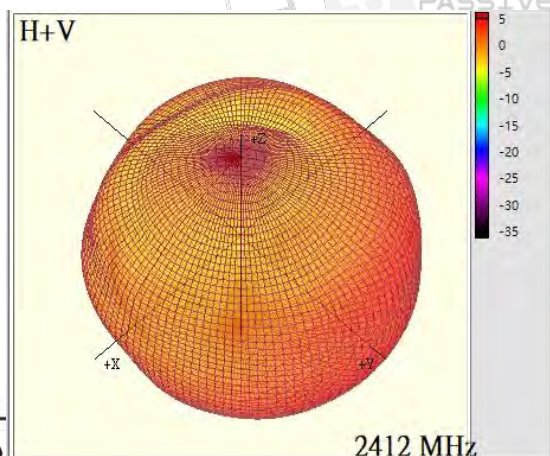
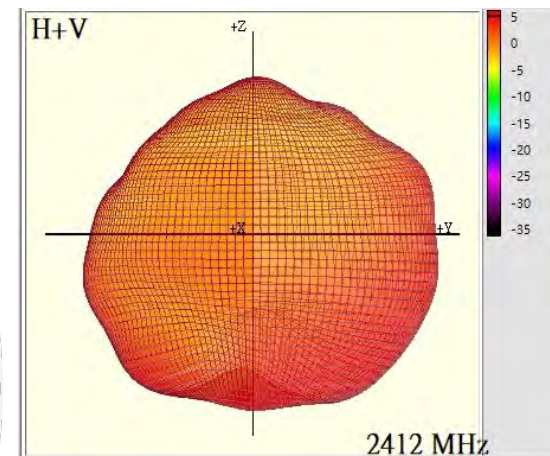
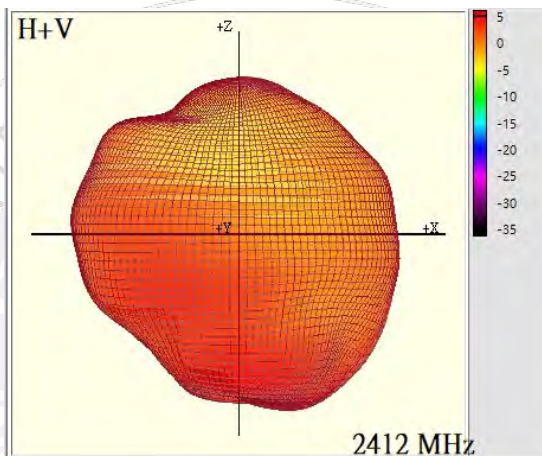
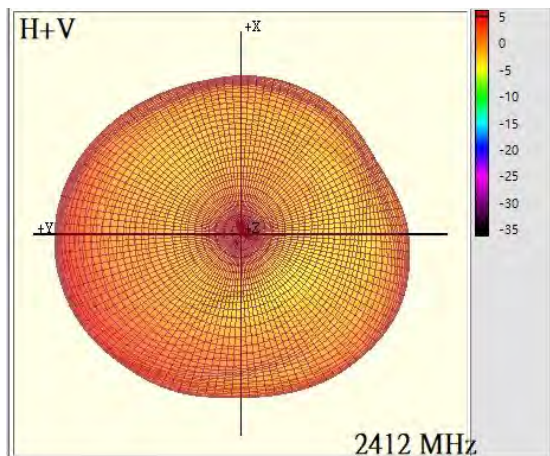


Maximum Peak Gain at 5750 MHz : 3.01 dBi

2. Antenna Characteristics

2412 MHz

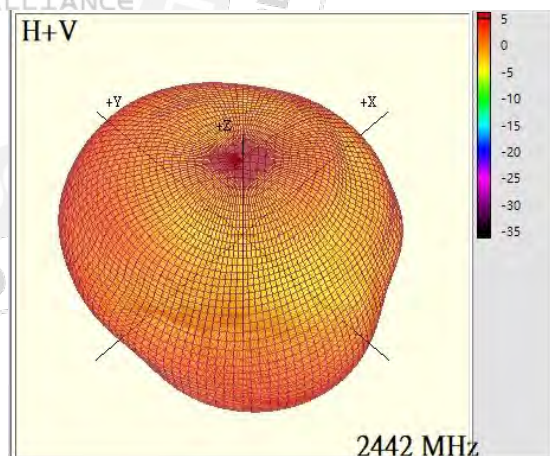
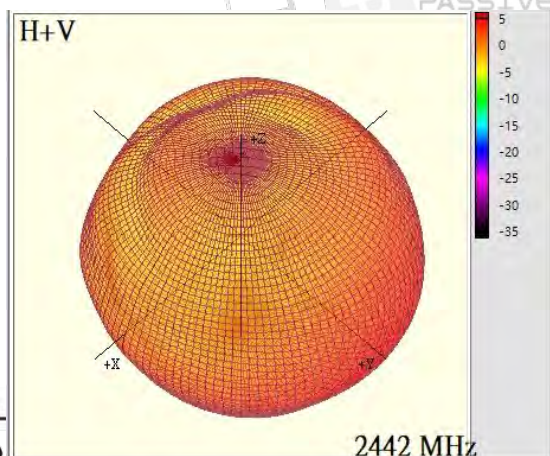
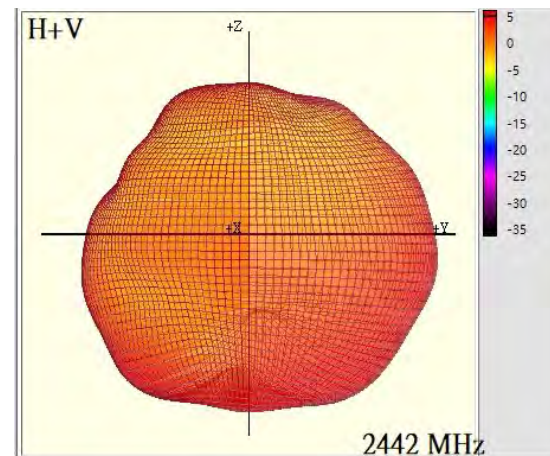
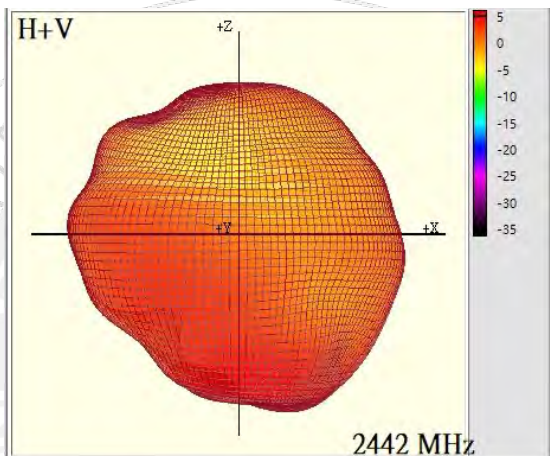
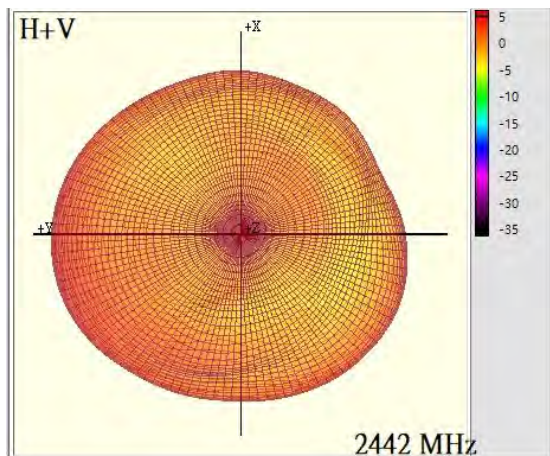
2.2 3D Radiation Patterns



2. Antenna Characteristics

2442 MHz

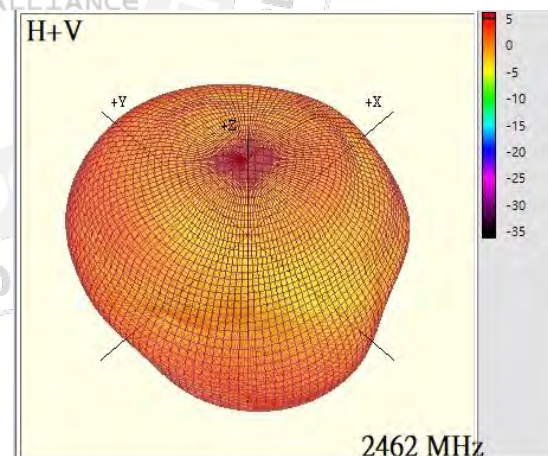
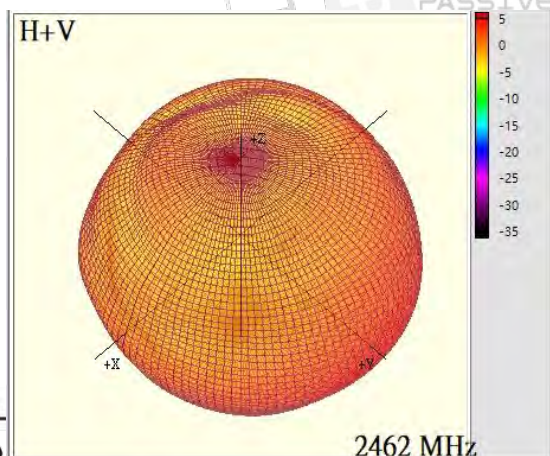
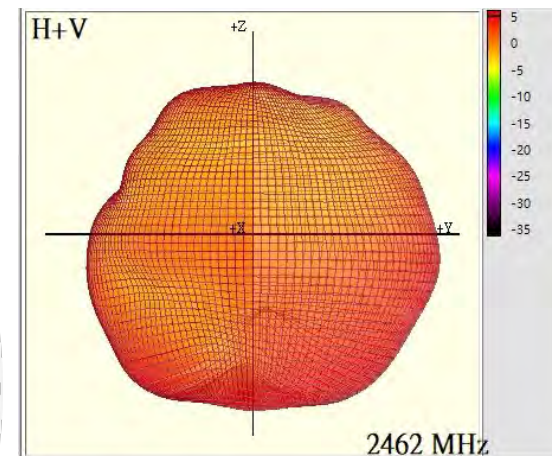
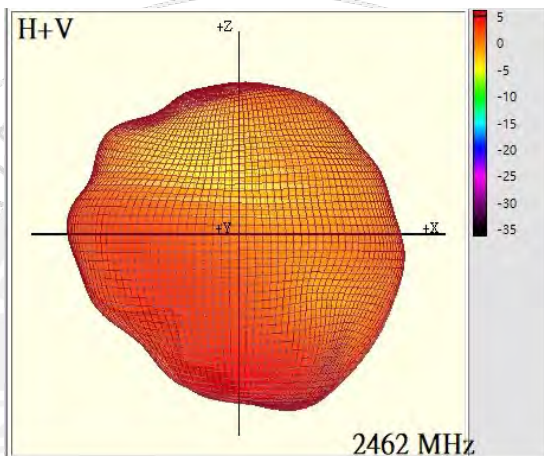
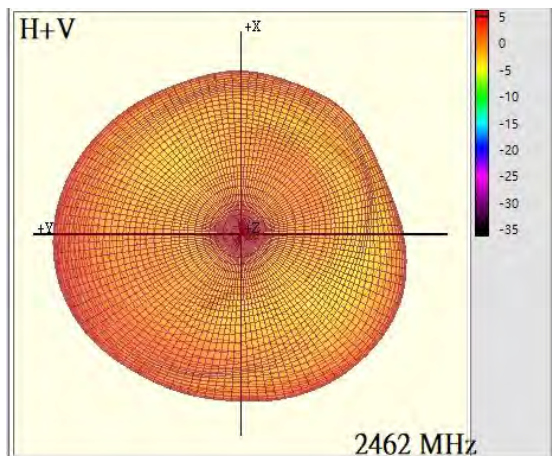
2.2 3D Radiation Patterns



2. Antenna Characteristics

2462 MHz

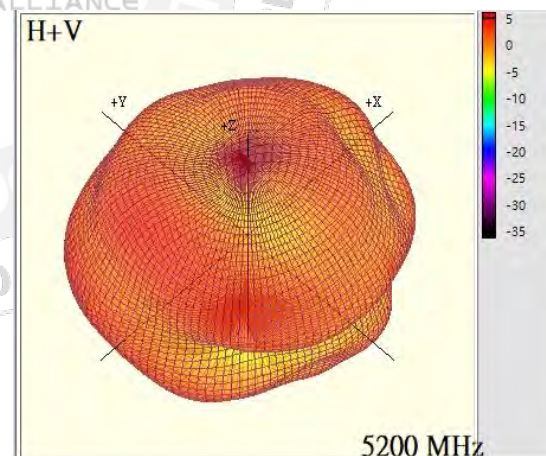
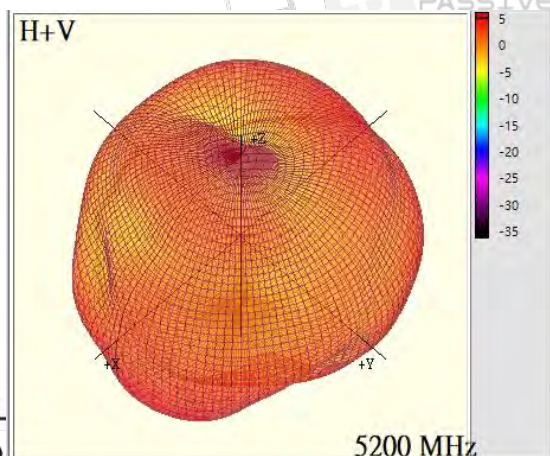
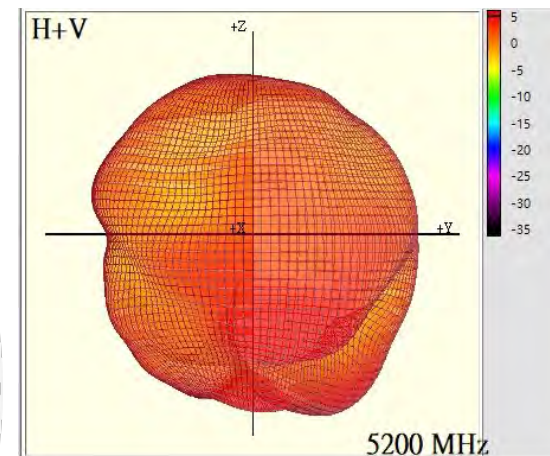
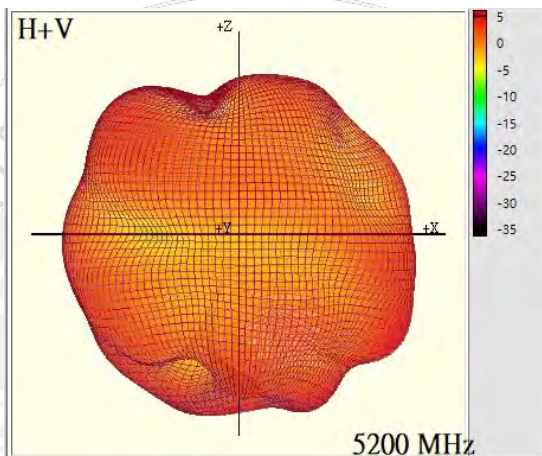
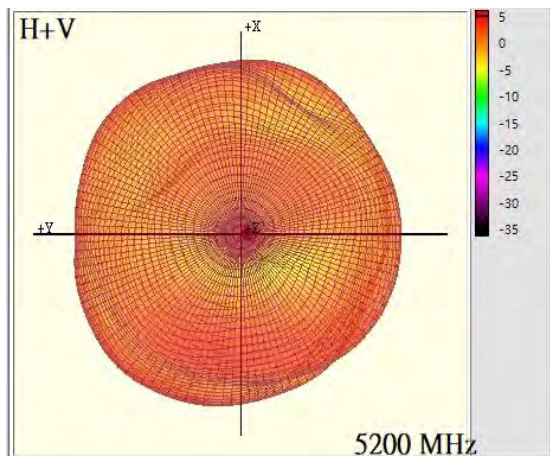
2.2 3D Radiation Patterns



2. Antenna Characteristics

5200 MHz

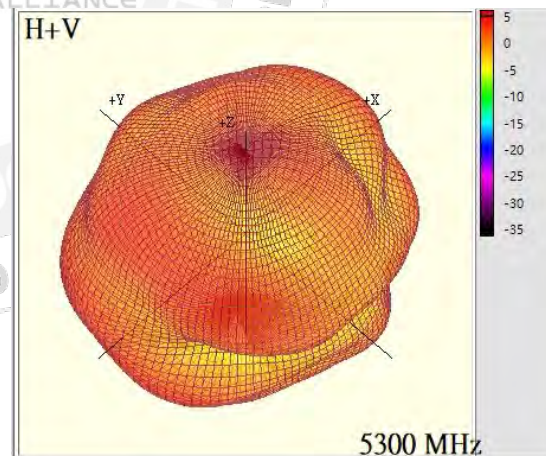
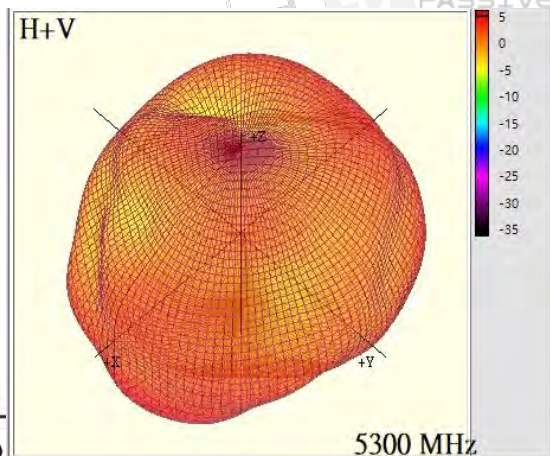
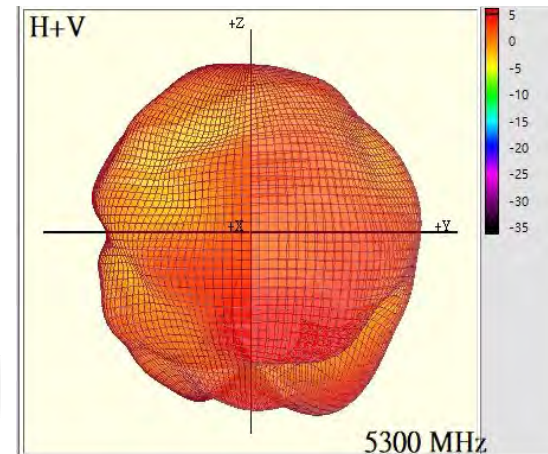
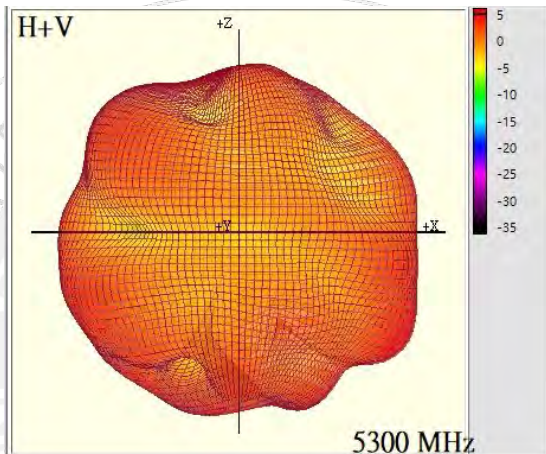
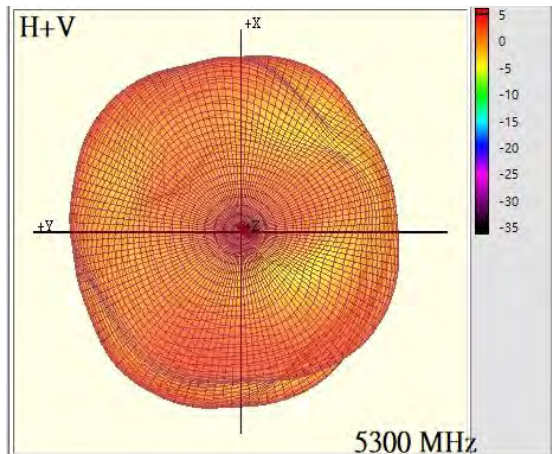
2.2 3D Radiation Patterns



2. Antenna Characteristics

5300 MHz

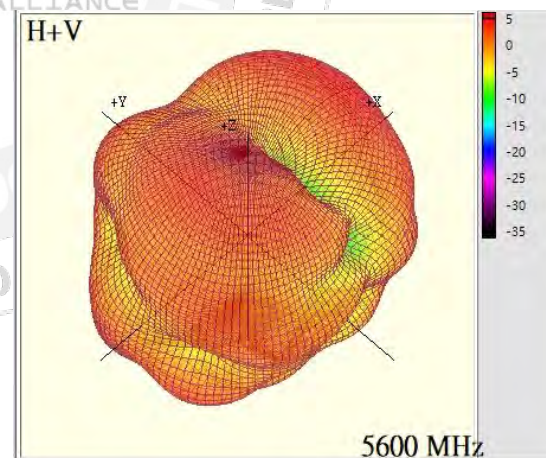
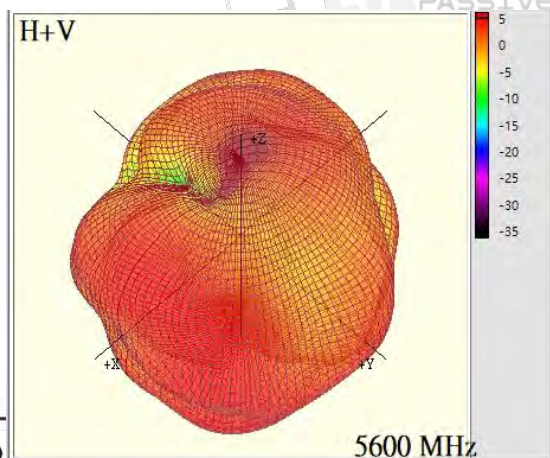
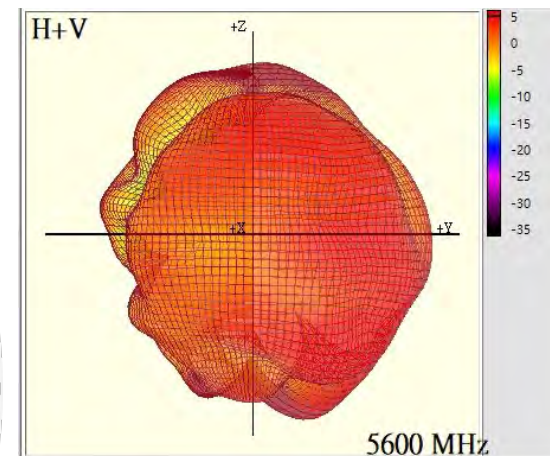
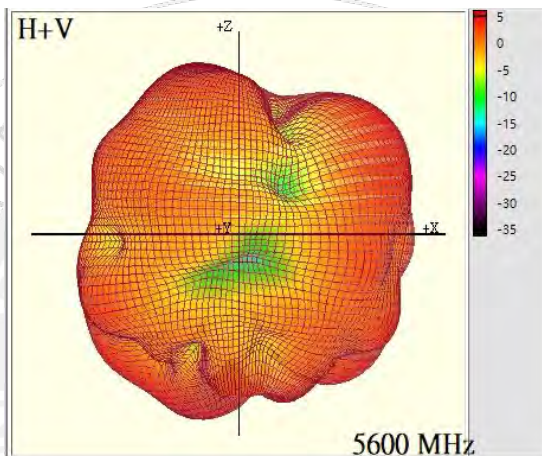
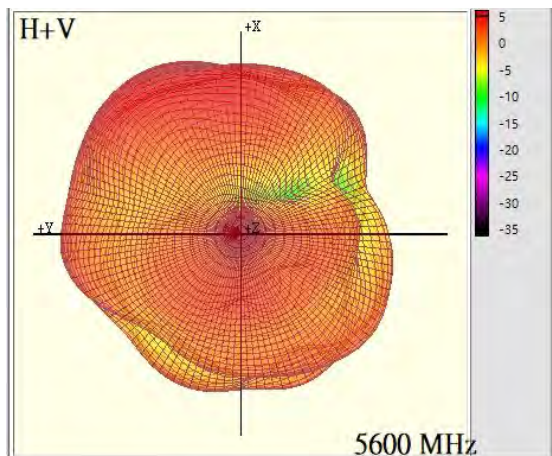
2.2 3D Radiation Patterns



2. Antenna Characteristics

5600 MHz

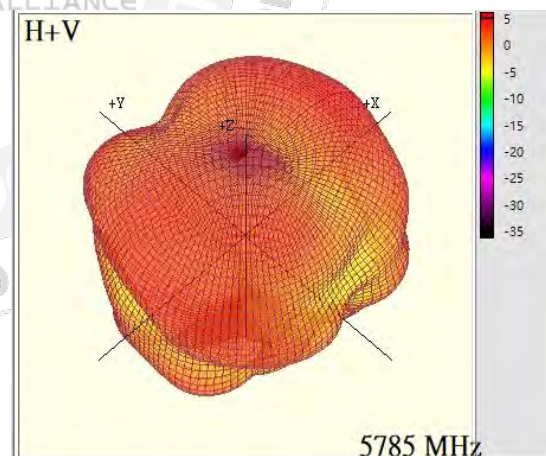
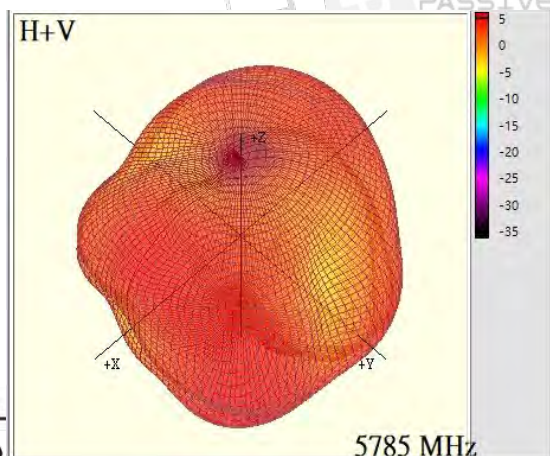
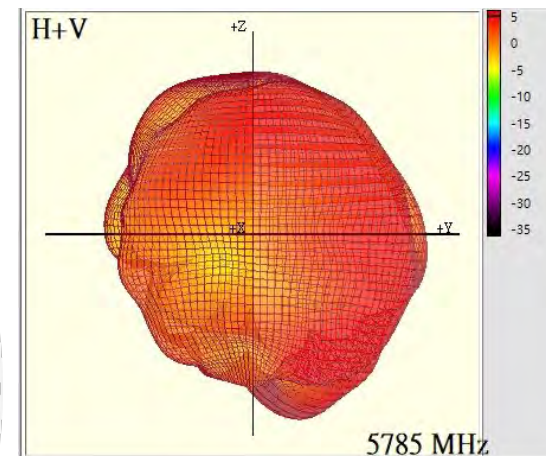
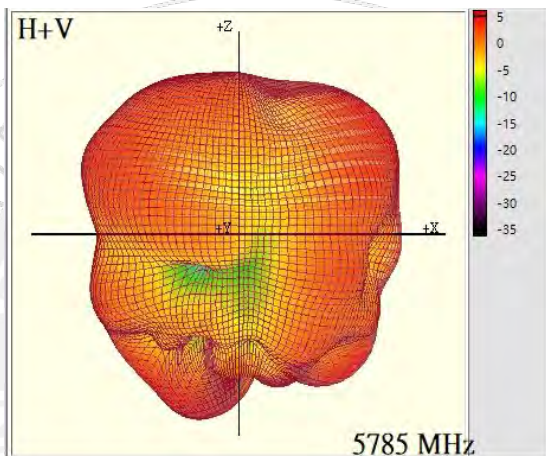
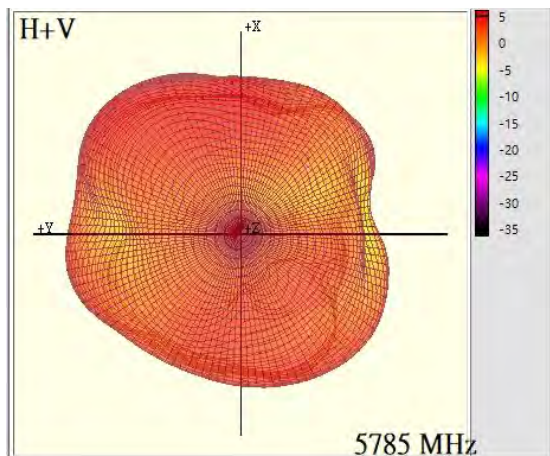
2.2 3D Radiation Patterns



2. Antenna Characteristics

5785 MHz

2.3 3D Radiation Patterns



3. Summary

- The performance of antennas is shown in table

	WiFi-2G	WiFi-5G-B1	WiFi-5G-B2	WiFi-5G-B3	WiFi-5G-B4
Maximum Efficiency (%)	42.14	43.97	41.72	40.7	40.97
Maximum Gain (dBi)	1.48	2.72	2.26	2.82	3.01