



Wiz

Antenna Test Report

Date : Jun. 2, 2022

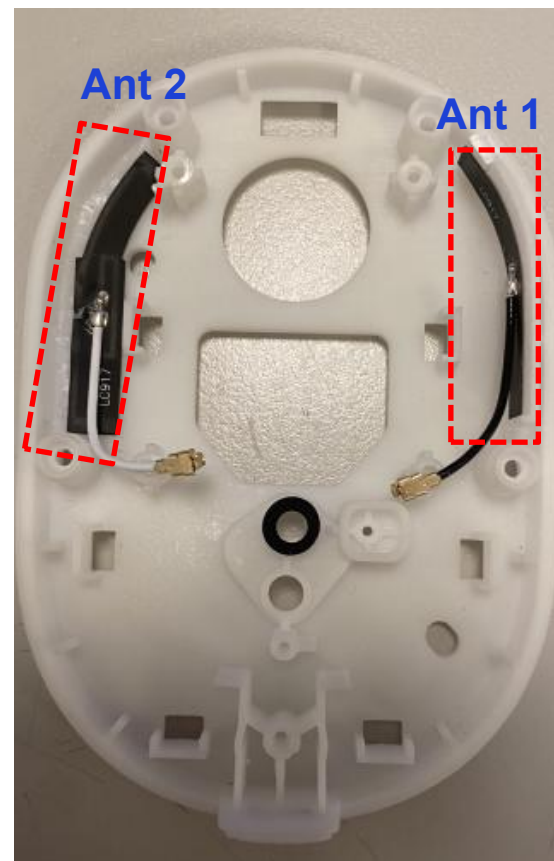
Prepared by : Carl Hung



Outline

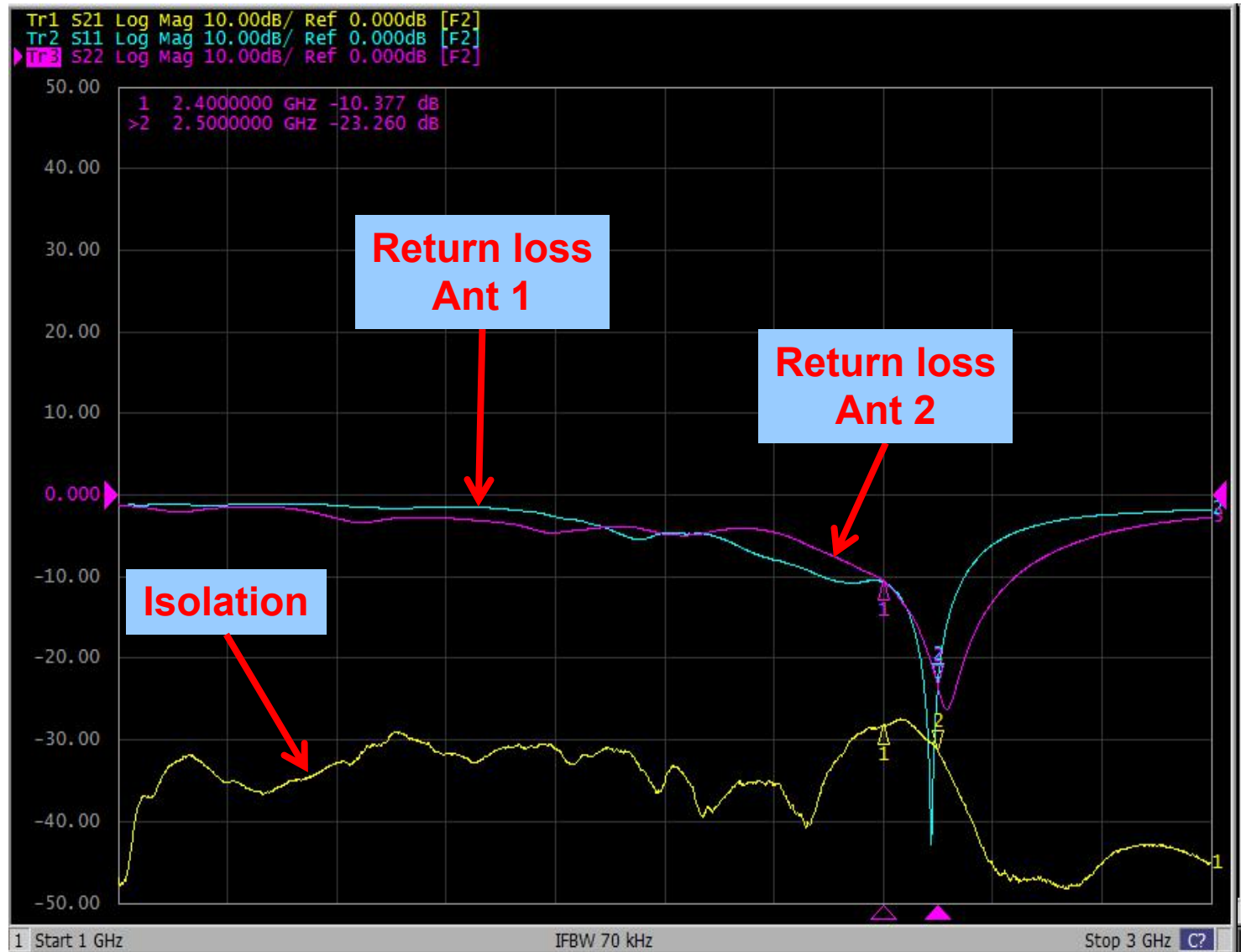
- Antenna Structure & Placement
- Return Loss & Isolation
- Radiation Pattern
- Peak Gain & Efficiency

Antenna Structure & Placement



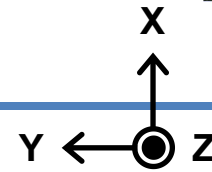
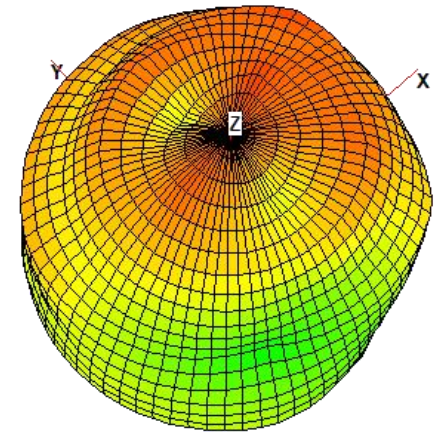
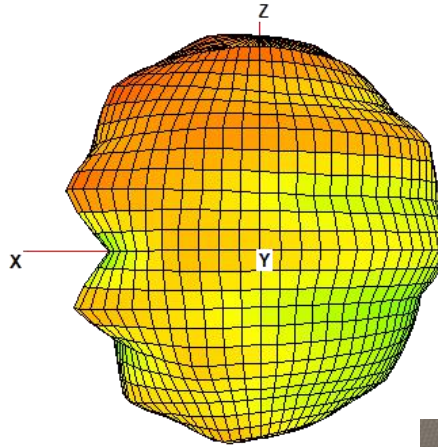
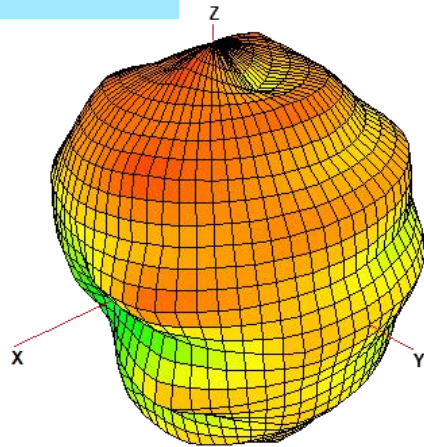
Ant No.	Operating Band	Type	Material	Feeding	Dimension
Ant 1	WiFi 2.4G	Dipole	FPCB	Cable	35(L) x 6.5(W) x 0.23(T) mm ³
Ant 2	WiFi 2.4G	Dipole	FPCB	Cable	37.57(L) x 12.12(W) x 0.23(T) mm ³

Return Loss & Isolation

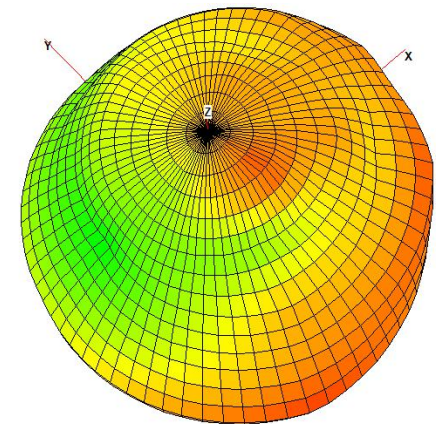
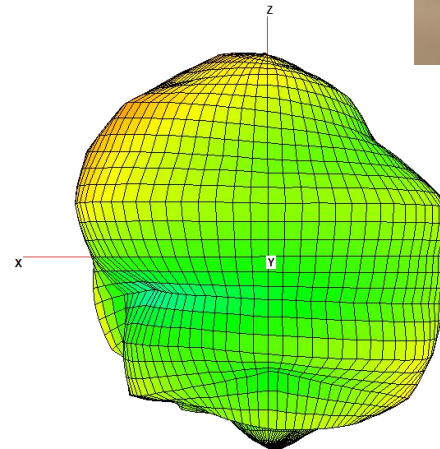
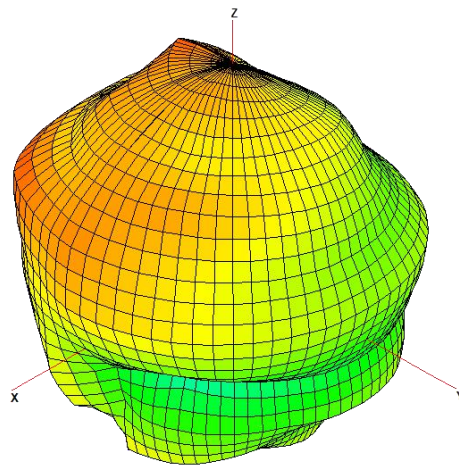


3D Radiation Pattern @ 2.45GHz

Ant 1



Ant 2



Response (dB)

5

0

-5

-10

-15

-20

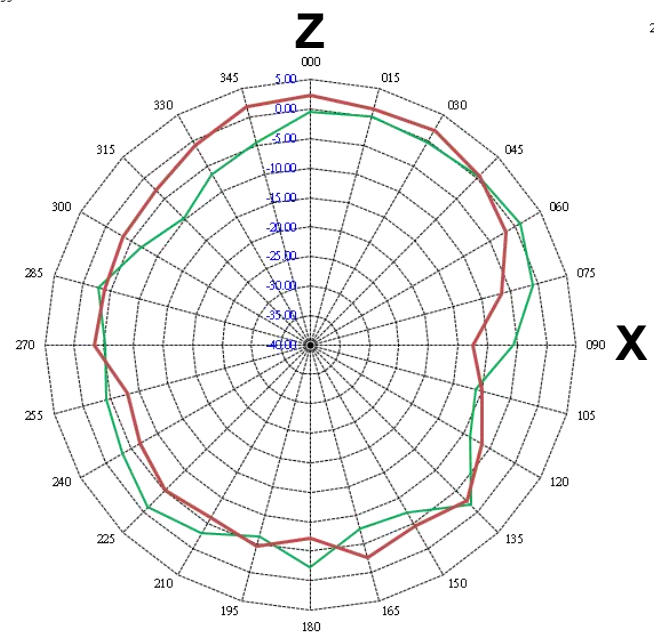
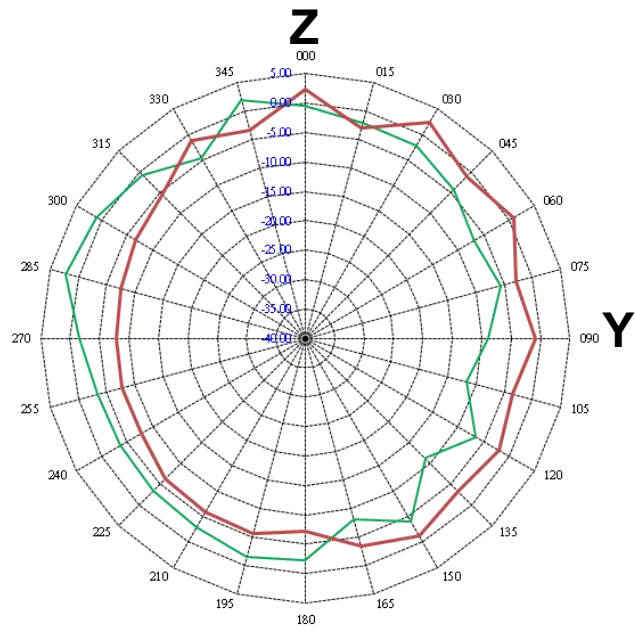
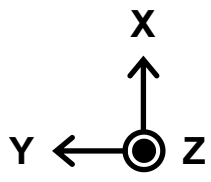
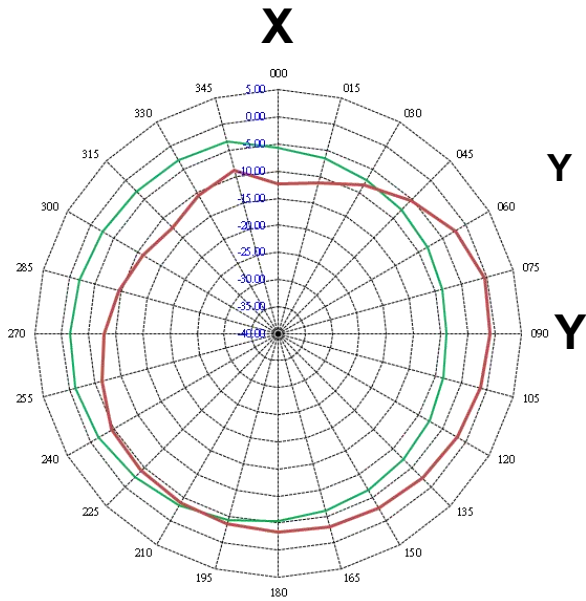
-25

-30

-35

-40

2D Radiation Pattern @ 2.45GHz



— Ant 1 — Ant 2



Peak Gain & Efficiency

Ant 1 WiFi 2G		
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400 MHz	3.78	62.2
2450 MHz	3.83	64.7
2500 MHz	3.57	61.2

Ant 2 WiFi 2G		
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
2400 MHz	4.10	56.4
2450 MHz	4.33	59.1
2500 MHz	4.03	55.7

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