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# Antenna Reports

Company: Motorola Mobility LLC

Issue date: 2024/01/10

Documented by: \_\_\_\_\_

*tao chang hu*

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### Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (by GTS RayZone2800)
Manufacturer/ Brand name	Motorola
Model name (Part number)	Midframe
Test software	MaxSign Libra
Antenna detail info.	Show WLAN/BT/ NFC only, no WWAN ANT4: Wi-Fi 5G ( 5.15~5.85GHz), PIFA type antenna. ANT3: GPS L1(1.575GHz), BT/Wi-Fi 2.4G(2.4~2.5GHz), PIFA type NFC Antenna: Type: Loop Differential port to excite LDS + Ferrite sheet with dimension 30.1 mm *20.5mm * 0.25mm
Antenna gain test data	Included antenna frequency, gain pattern

### List of test Equipment

Equipment	Calibrate date	Due date	Remark
GTS RayZone2800	On October 23, 2023	On October 22, 2025	N/A
Anritsu MT8821C	On May 16, 2024	On May 15, 2025	N/A

Note: Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.

**Antenna Test data:**

**ANT3**

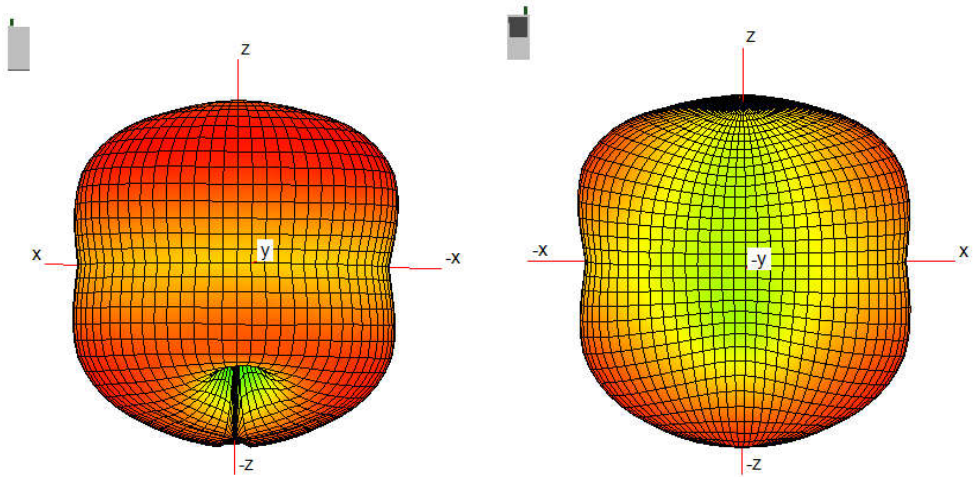
Antenna model name: Midframe

Antenna type: PIFA

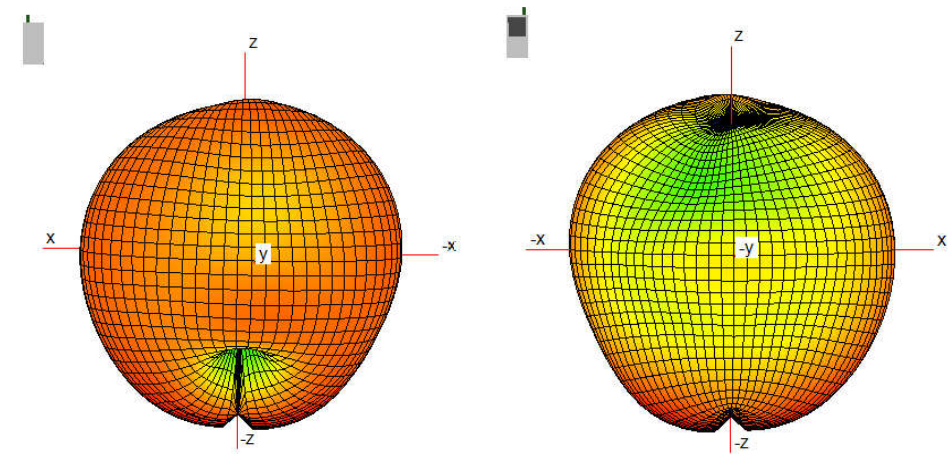
WLAN/BT/GPS Peak Gain (dBi)			
2400~2500MHz	-2.5	GPS 1575MHz	-2.8

(Rear view– Front view)

GPS 1575MHz



WIFI 2.4G (2450 MHz)



**ANT4**

Antenna model name: Midframe

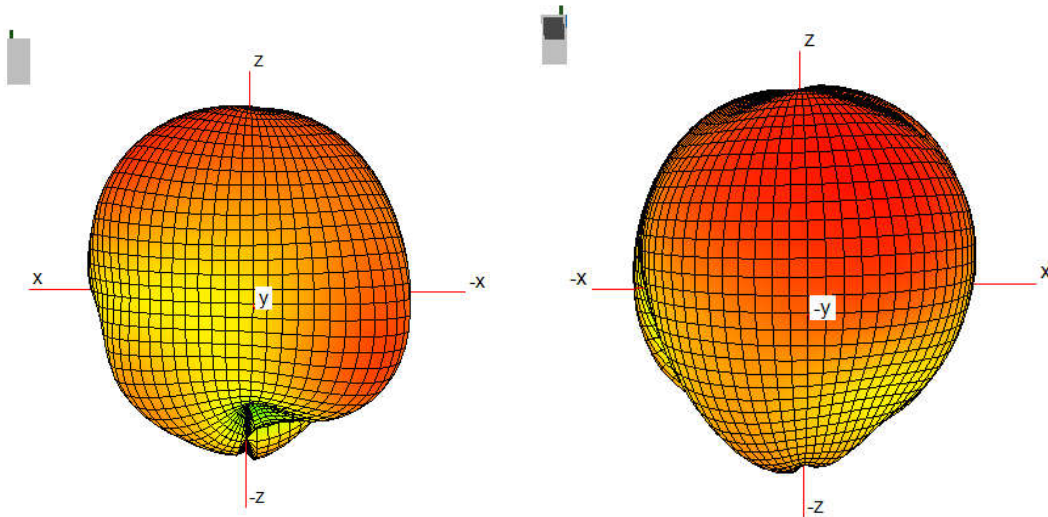
Antenna type: PIFA

WLAN/BT/GPS Peak Gain (dBi)			
5150~5250MHz	-6.5	5250~5350MHz	-6.7
5470~5725MHz	-6.9	5725~5850MHz	-6.7

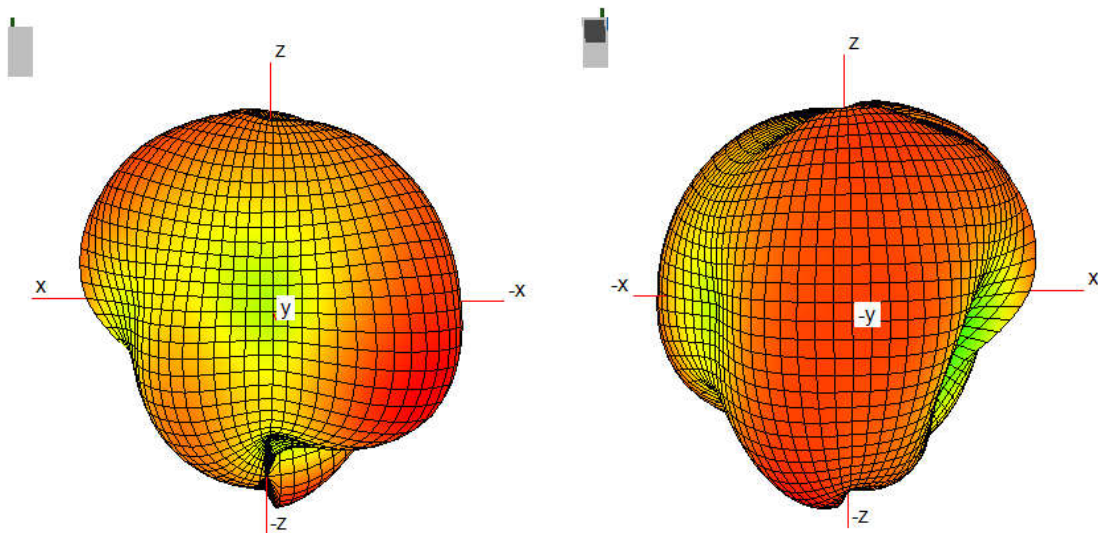
(Rear view– Front view)

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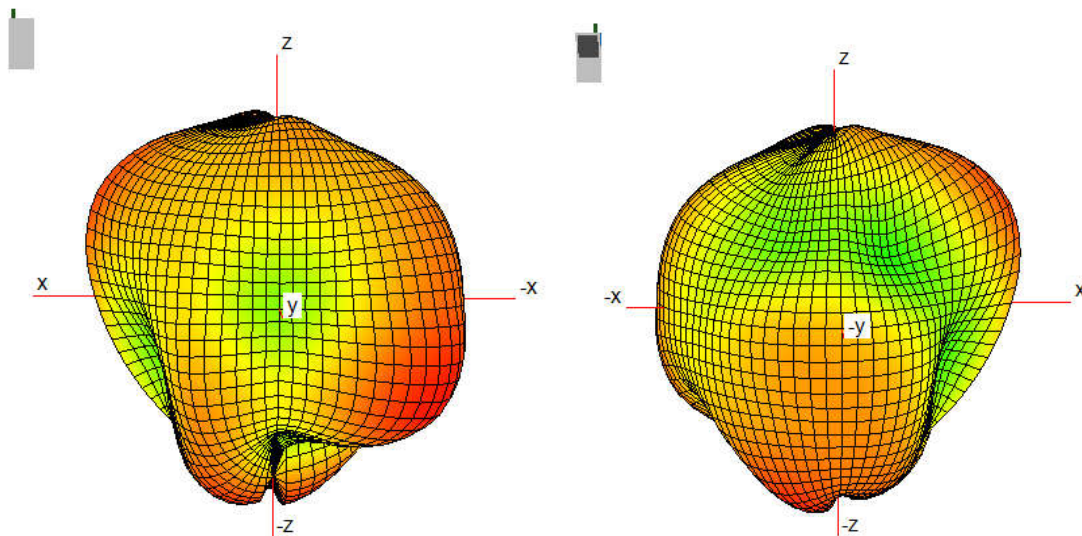
## WIFI 5G (5150 MHz)



## WIFI 5G (5300 MHz)



## WIFI 5G (5500 MHz)



## WIFI 5G (5800 MHz)

