
Antenna Reports

Company: Motorola Mobility LLC

Model name: Midframe

Issue date: 2025/02/10

Documented by:

A handwritten signature in black ink, appearing to read 'Cany', is written over the 'Documented by:' text.

Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (GTS)
Manufacturer/ Brand name	Motorola
Model name (Part number)	Insert molding metal and LDS
Test software	GTS MaxSign
Antenna detail info.	Show WLAN/BT/ NFC only, no WWAN ANT3:GPS; WiFi 2.4G(1.575GHz,(2.4~2.5GHz), Loop type ANT5: WiFi 2.4G (2.4~2.5GHz), IFA type antenna. ANT6: WiFi5G (5.15~5.85GHz)+Wifi6E, Loop type antenna. ANT7: WiFi5G(5.15~5.85GHz)+Wifi6E, Loop type antenna. ANT10: WiFi5G(5.15~5.85GHz)+Wifi6E, IFA type antenna. NFC Antenna: Differential port to excite LDS coil + Ferrite sheet with dimension 31.3 mm *15.9mm. LDS width is 8~12μm
Antenna gain test data	Included antenna frequency, gain pattern

List of test Equipment

Equipment	Calibrate date	Due date	Remark
GTS RayZone2800	On November 7, 2023	On November 6, 2026	N/A
MT8821C	On November 4, 2024	On November 3, 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

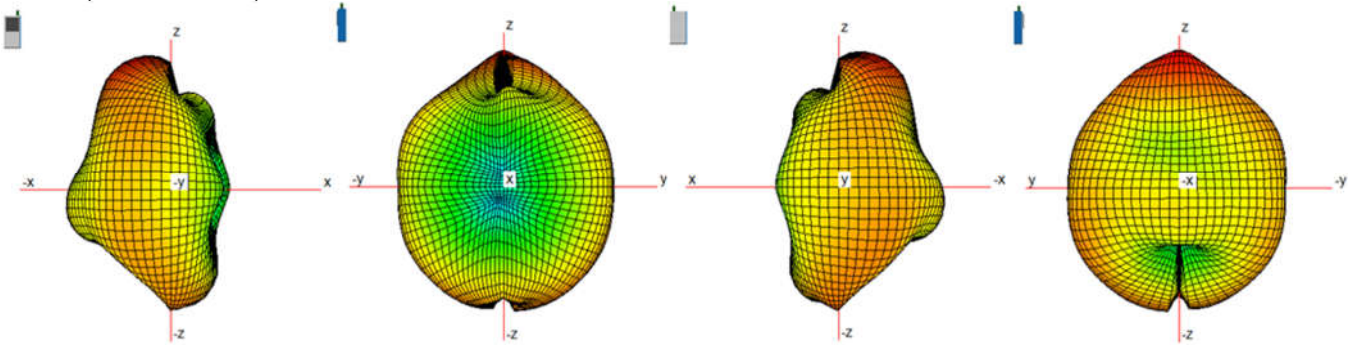
Antenna model name: Insert molding metal

Antenna type: Loop

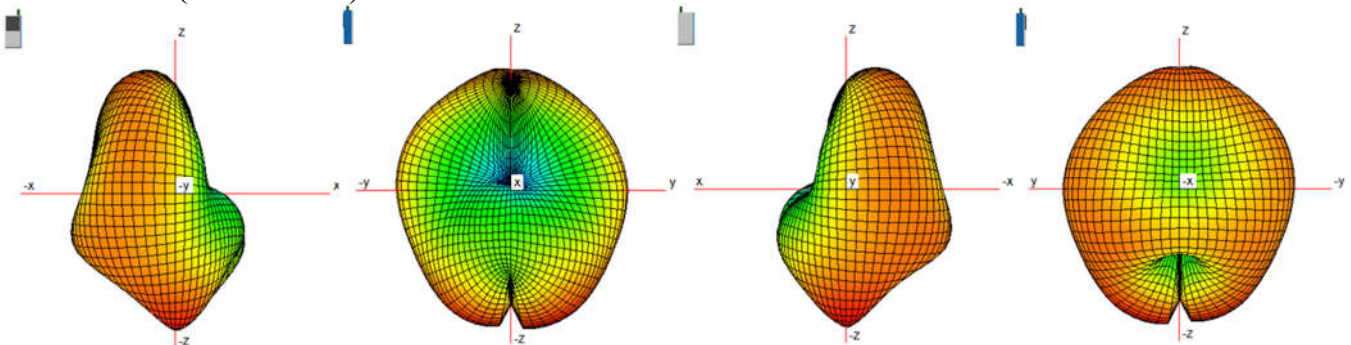
GPS +BT/WLAN Peak Gain (dBi)			
1575MHz		2400~2483.5MHz	-5.8

(Rear view– Front view)

GPS (1575 MHz)



WIFI 2.4G (2450 MHz)



ANT5

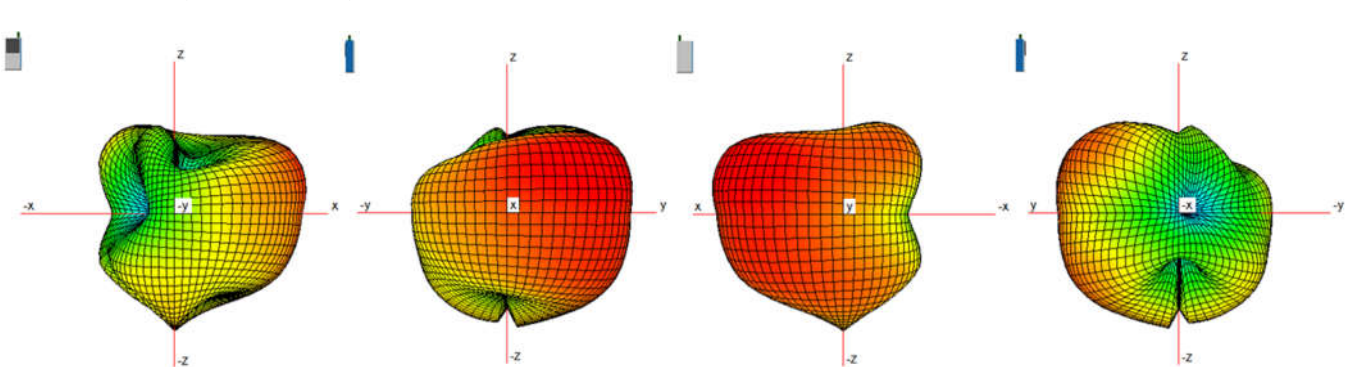
Antenna model name: Insert molding metal

Antenna type: IFA

WLAN Peak Gain (dBi)	
2400~2483.5MHz	-7

(Rear view– Front view)

WIFI 2.4G (2450 MHz)



ANT6

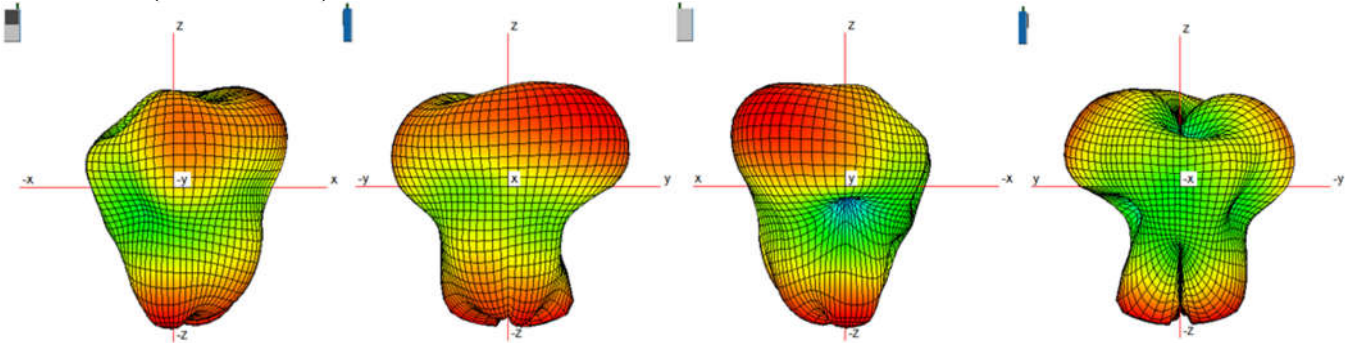
Antenna model name: Insert molding metal

Antenna type: Loop

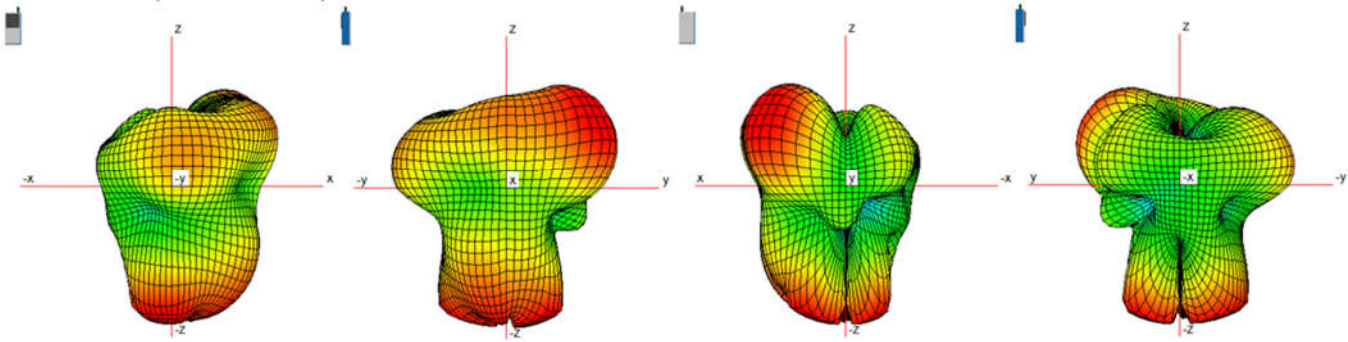
WLAN Peak Gain (dBi)			
5150~5250MHz	-7.5	5250~5350MHz	-7
5470~5725MHz	-6.5	5725~5850MHz	-8
5850~5925MHz	-8	5925~6425MHz	-7.3
6425~6525MHz	-8	6525~6875MHz	-7.5
6875~7125MHz	-7.8		

(Rear view– Front view)

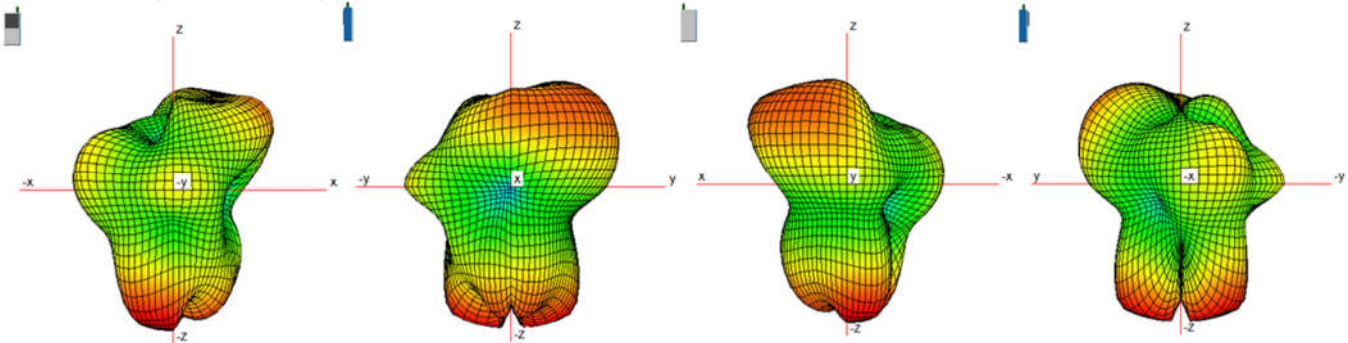
WIFI 5G (5200 MHz)



WIFI 5G (5300 MHz)



WIFI 5G (5800 MHz)



ANT7

Antenna model name: Insert molding metal

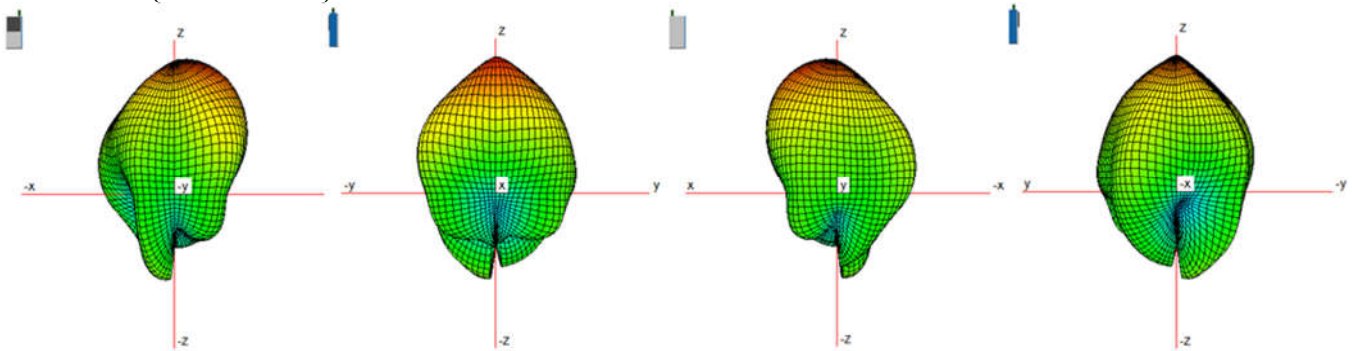
Antenna type: Loop

WLAN Peak Gain (dBi)

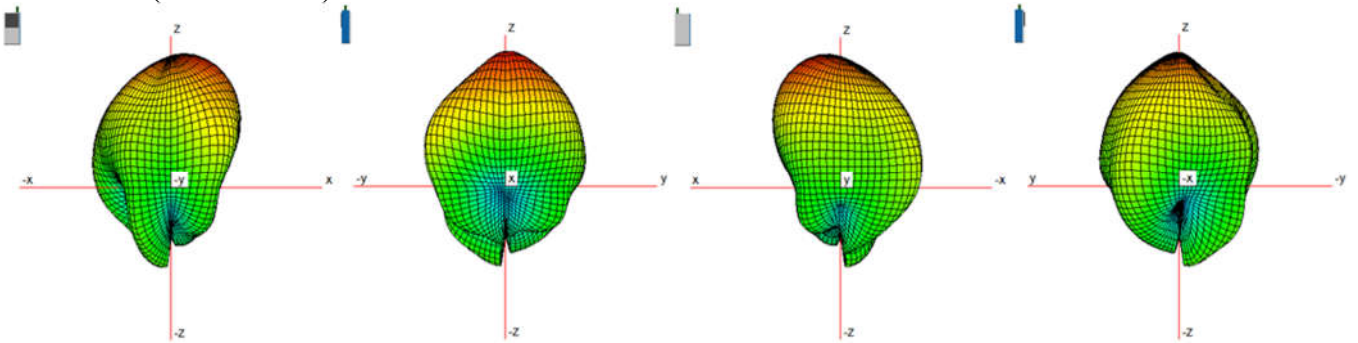
5150~5250MHz	-8	5250~5350MHz	-8
5470~5725MHz	-8.1	5725~5850MHz	-8.1
5850~5925MHz	-8.2	5925~6425MHz	-7.6
6425~6525MHz	-8	6525~6875MHz	-7.6
6875~7125MHz	-8		

(Rear view– Front view)

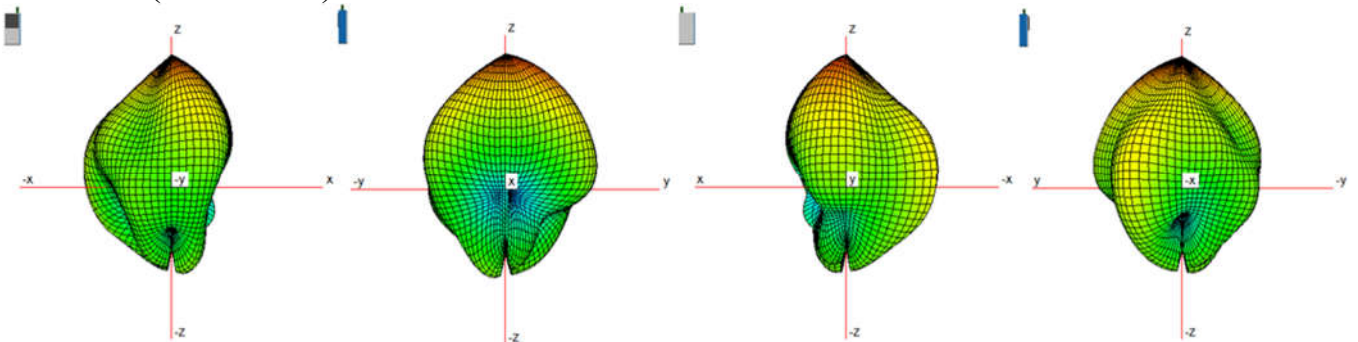
WIFI 5G (5200 MHz)



WIFI 5G (5300 MHz)



WIFI 5G (5800 MHz)



ANT10

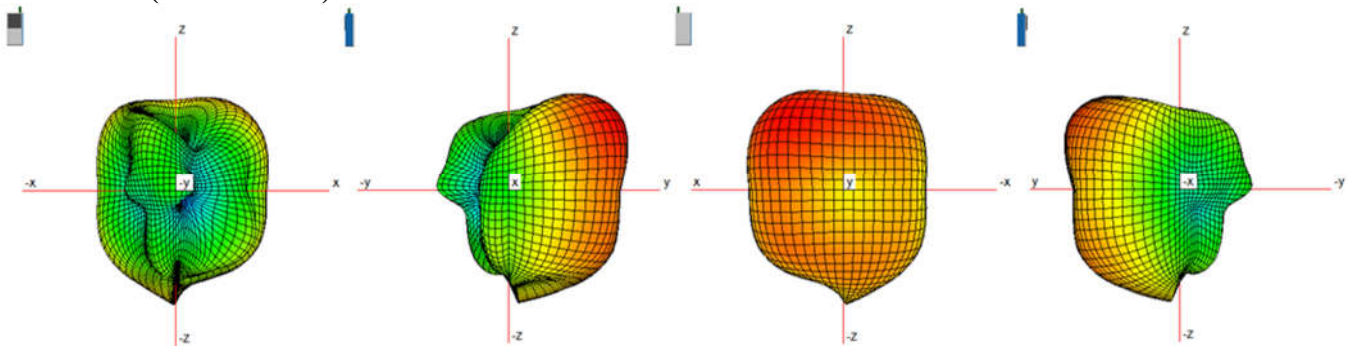
Antenna model name: LDS

Antenna type: IFA

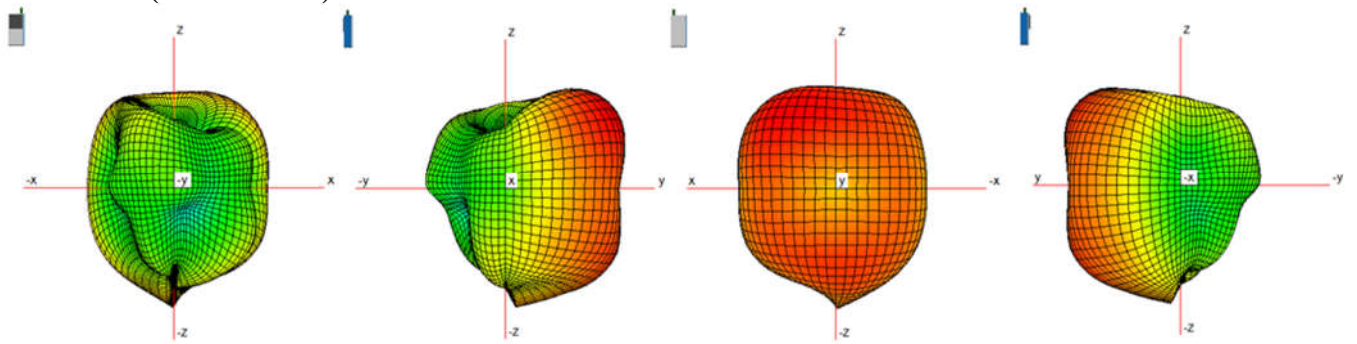
WLAN Peak Gain (dBi)			
5150~5250MHz	-8.1	5250~5350MHz	-8.5
5470~5725MHz	-8.9	5725~5850MHz	-8.4
5850~5925MHz	-8.1	5925~6425MHz	-7.7
6425~6525MHz	-7.7	6525~6875MHz	-7.7
6875~7125MHz	-7.9		

(Rear view– Front view)

WIFI 5G (5200 MHz)



WIFI 5G (5300 MHz)



WIFI 5G (5800 MHz)

