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# Antenna Reports

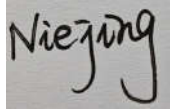
Main Antenna vendor: Motorola

Test lab: Motorola internal lab (by GTS RayZone2800)

Antenna model name: Midframe

Issue date: 2023/12/06

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

A handwritten signature in black ink on a grey rectangular background. The signature appears to be 'Niejing'.

## Antenna Summary Table

Check items	Information
Provided by lab	Motorola internal lab (by GTS RayZone2800)
Manufacturer/ Brand name	Motorola
Manufacturer address	222 W,Merchandise Mart Plaza, Chicago IL 60654 USA
Model name (Part number)	Midframe/LDS
Test environment	Motorola Shanghai RD team Lab with GTS RayZone2800 chamber
Test software	MaxSign Libra
List of calibrated test equipment	GTS RayZone2800 with calibrated date: On October 23, 2022
Antenna detail info.	ANT3: WiFi2.4G antenna (2.4~2.5GHz), PIFA antenna. ANT8:WiFi 5G antenna(5.15~5.85GHz) CH0, Loop antenna. ANT5:WiFi 5G antenna(5.15~5.85GHz) CH1,PIFA antenna. NFC Antenna: Loop Antenna Differential port to excite LDS coil + Ferrite sheet with dimension 406mm <sup>3</sup>
Antenna gain test data	Included antenna frequency, gain pattern

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

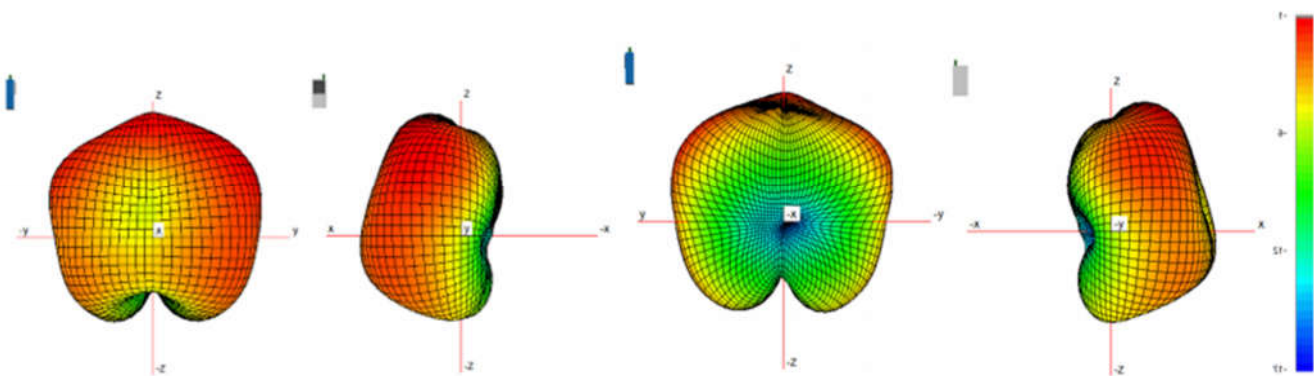
Antenna model name: Midframe

Antenna type: PIFA

BT/WLAN CH0 Peak Gain (dBi)	
2400~2483.5MHz	-5.5

ANT3- WiFi 2.4G

2450MHz



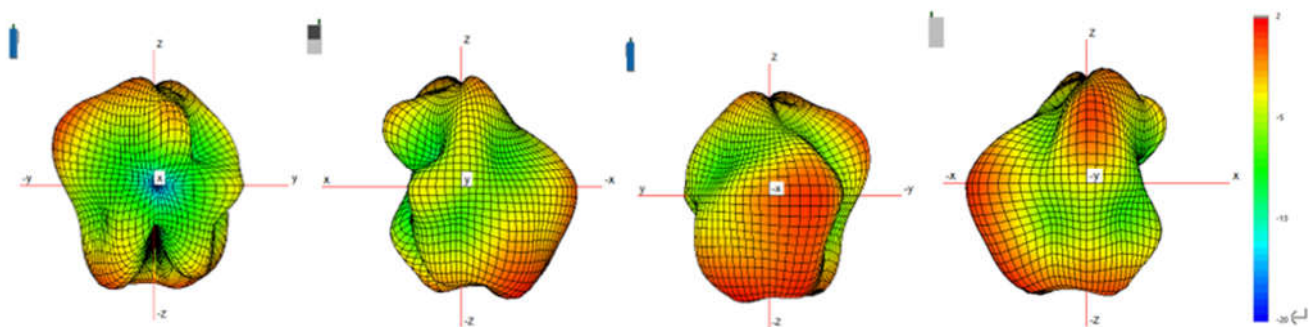
**ANT8**

Antenna model name: Midframe

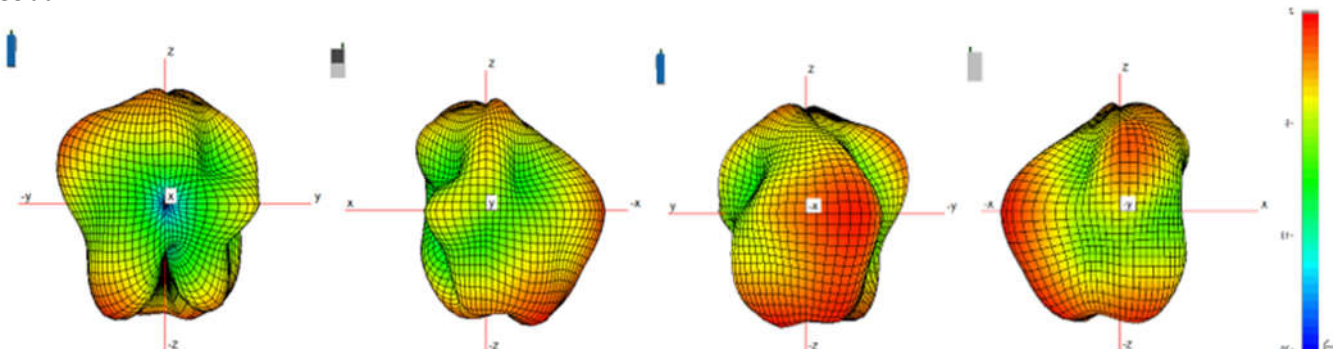
Antenna type: Loop

BT/WLAN CH0 Peak Gain (dBi)			
5150~5250MHz	-6	5470~5725MHz	-5.5
5250~5350MHz	-6	5725~5850MHz	-5.5

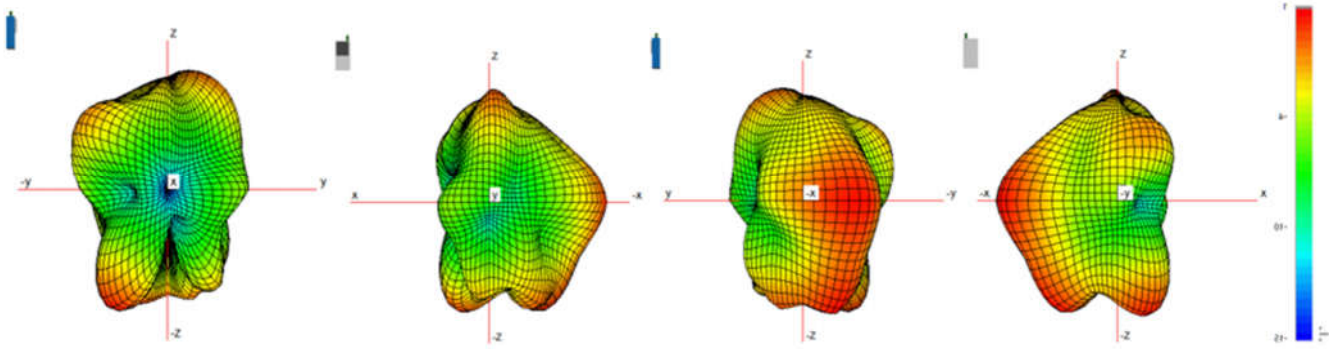
**ANT8- WiFi 5G CH0**  
5200MHz



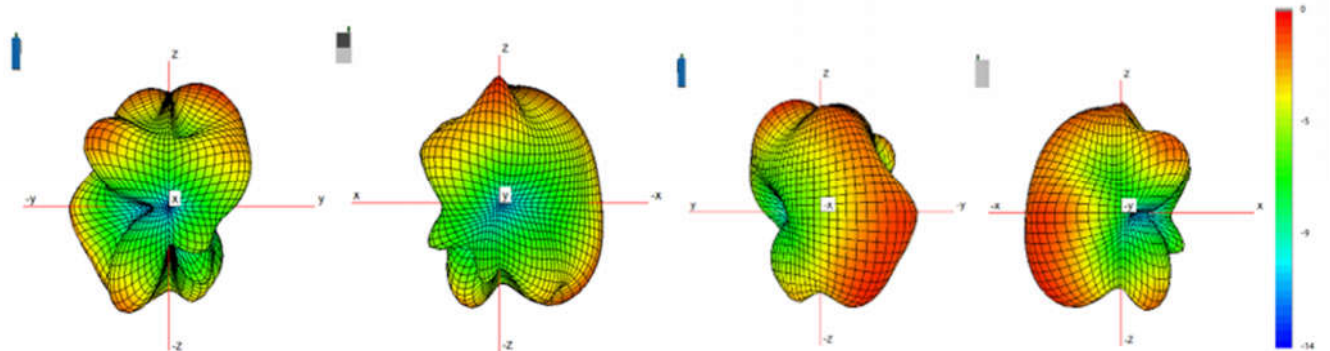
5300MHz



5500MHz



5800MHz



ANT5

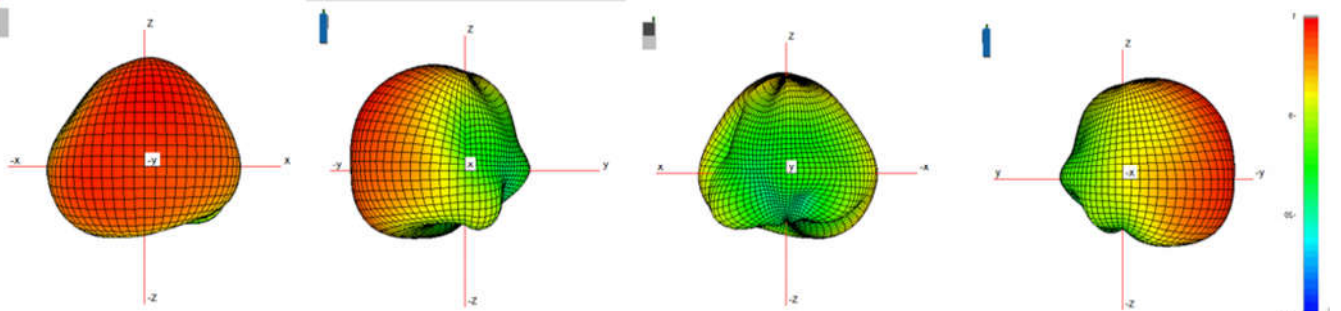
Antenna model name: LDS

Antenna type: PIFA

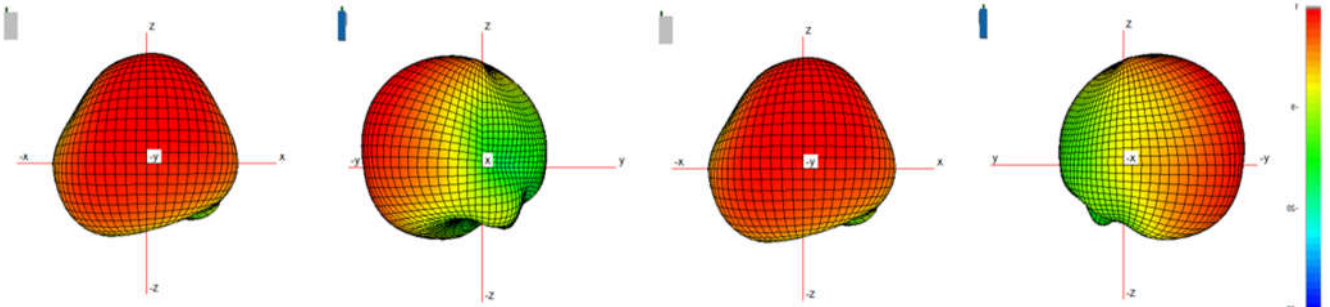
BT/WLAN CH0 Peak Gain (dBi)			
5150~5250MHz	-7	5470~5725MHz	-6.5
5250~5350MHz	-7	5725~5850MHz	-6.5

ANT5- WiFi 5G CH1

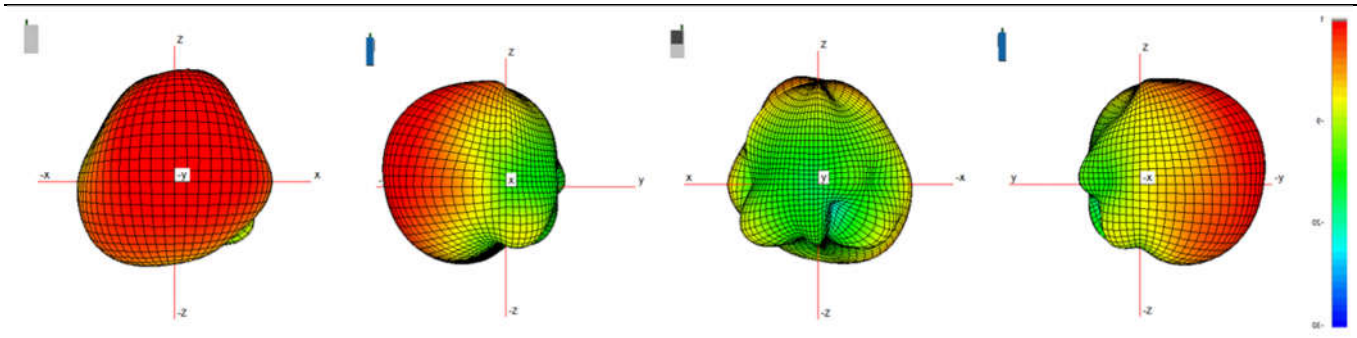
5200MHz



5300MHz



5500MHz



5800MHz

