
Antenna Reports

Company: Motorola Mobility LLC

Model name: XT2647-1,XT2647-2,XT2647V

Issue date: 2026/03/06

Antenna Summary Table

Check items	Information
Provided by lab	HQ lab (GTS)
Manufacturer/ Brand name	SPEED COMMUNICATION TECHNOLOGY CO.,LTD.; Deman;
Model name (Part number)	WD7992AAA038_1; WD7992AAA038_2;
Test environment	Haitong RD team Lab with GTS1800 chamber Haitong RD team Lab with GTS2800 chamber
List of calibrated test equipment	GTS1800 with calibrated date: 2025/12/18 GTS2800 with calibrated date: 2025/12/10
DUT date	GTS1800: 2025/11/4 GTS2800: 2025/11/7
Antenna detail info.	ANT1:GPS(L1)+MHB Metal frame type antenna. ANT2: GPS(L5)+WiFi 2.4G (1.176GHz, 2.4~2.5GHz), Metal frame type antenna. ANT4: WiFi5G (5.15~5.85GHz), Metal frame type antenna. NFC Antenna: Differential port to excite FPC coil + Ferrite Area: 780 mm ²
Antenna gain test data	Included antenna frequency, gain pattern
testing software	GTS1800:RayZone1800NR_Z GTS2800:RayZone1800F_Z
Signature of the tester	<i>zhaodong</i>

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:

ANT1

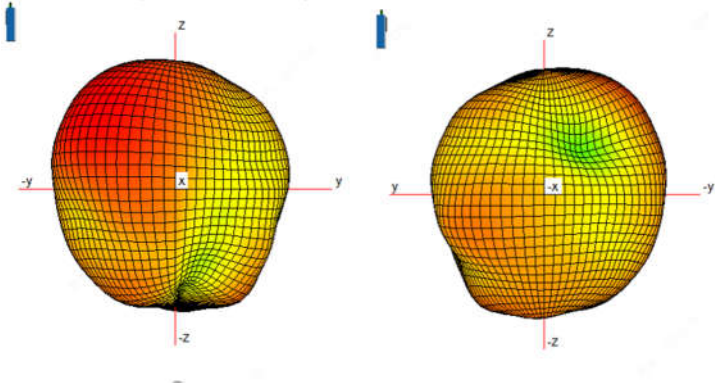
Antenna model name: Insert molding metal

Antenna type: Metal frame

GPS L1 Peak Gain (dBi)	
1575MHz	-8.39

(Rear view– Front view)

GPS L1 (1575 MHz)



ANT2

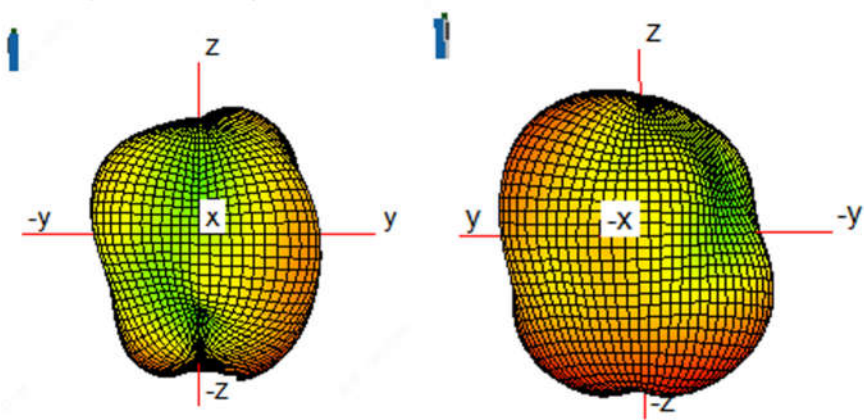
Antenna model name: Insert molding metal

Antenna type: Metal frame

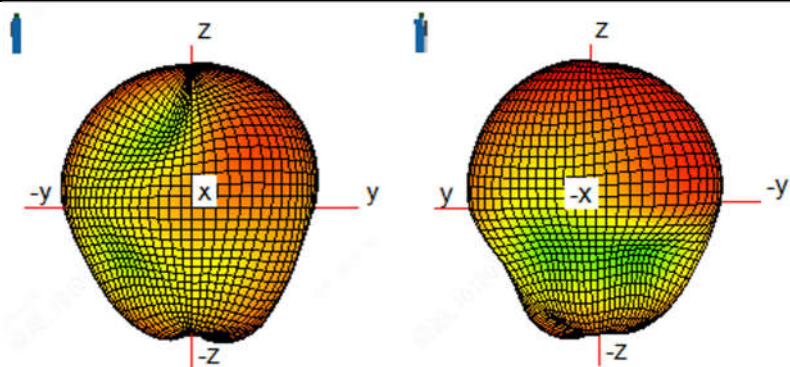
GPS +BT/WLAN Peak Gain (dBi)			
1176MHz	-11.82	2400~2483.5MHz	-7.2

(Rear view– Front view)

GPS (1176 MHz)



WIFI 2.4G (2450 MHz)



ANT4

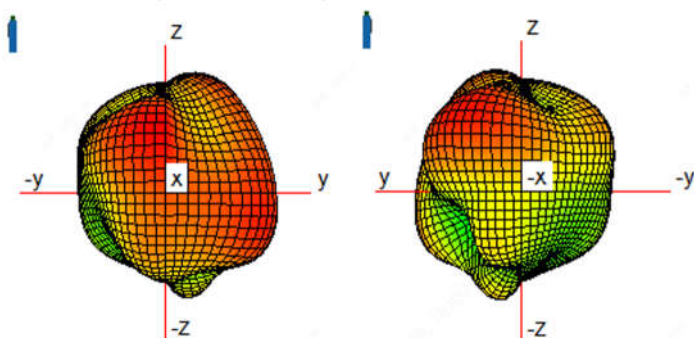
Antenna model name: Insert molding metal

Antenna type: Metal frame

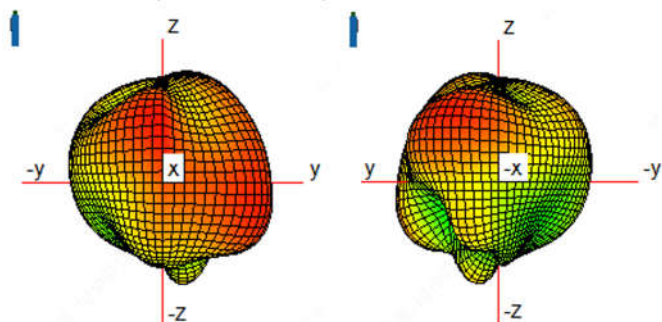
WLAN Peak Gain (dBi)			
5150~5250MHz	-5.3	5470~5725MHz	-6.2
5250~5350MHz	-6.1	5725~5850MHz	-6.8

(Rear view-- Front view)

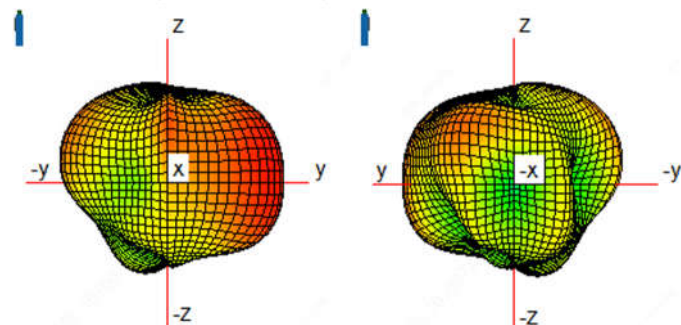
WIFI 5G (5200 MHz)



WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)

