

# Antenna Test Report

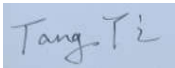
**APPLICANT** : **Motorola Mobility LLC**

**EQUIPMENT** : **Mobile Cellular Phone**

**BRAND NAME** : **Motorola**

**MODEL NAME** : **XT2343-2**

### Antenna Summary Table

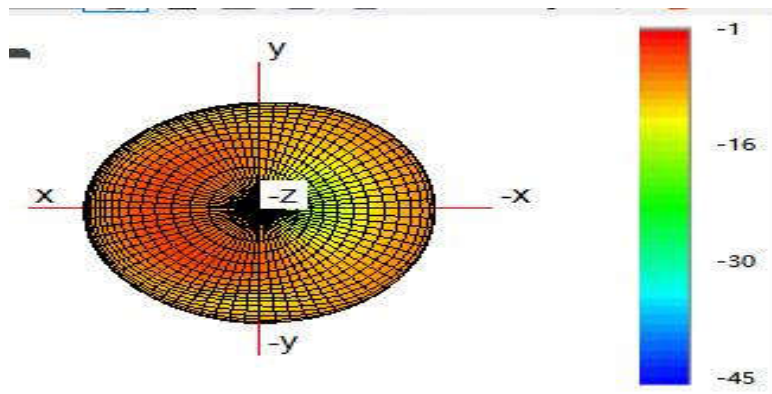
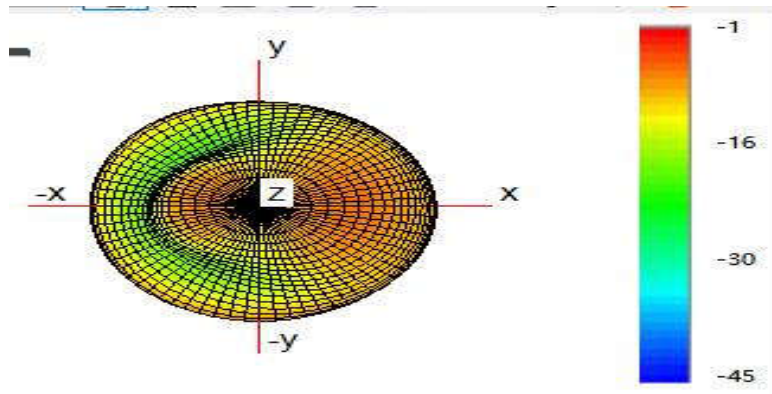
Check items	Information
Provided by lab	Sunway internal lab (GTS)
Manufacturer/ Brand name	Sunway
Test software	MaxSign Libra
Test equipment	CMW500
Manufacturer address	1013, Xihuan Rd., Shajing Town, Bao'an District, Shenzhen
Test environment	Sunway Shanghai RD team Lab with GTS2800 chamber
List of calibrated test equipment	GTS2800 with calibrated date: On May 2,2023
Antenna detail info.	ANT6: WiFi2.4G / 5G /BT antenna (2.4~2.5GHz, 5.15~5.85GHz), IFA type antenna.  NFC Antenna: Differential port to excite FPC + Ferrite sheet with dimension 36.06 mm *26.41mm * 0.2mm
Antenna gain test data	Included antenna frequency, gain pattern
Antenna model name	FPC
Issue date	2023/07/06
Documented by	

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

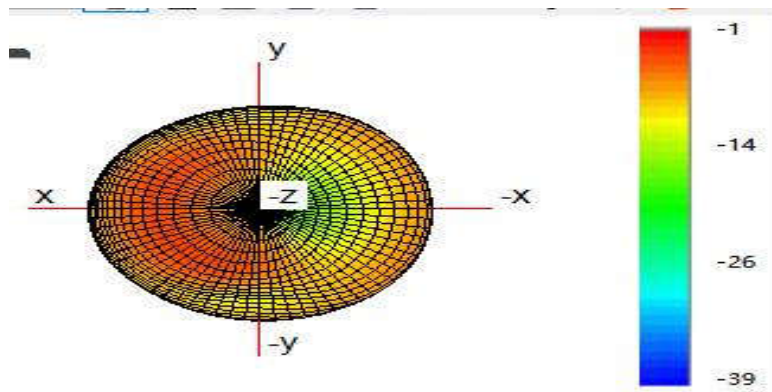
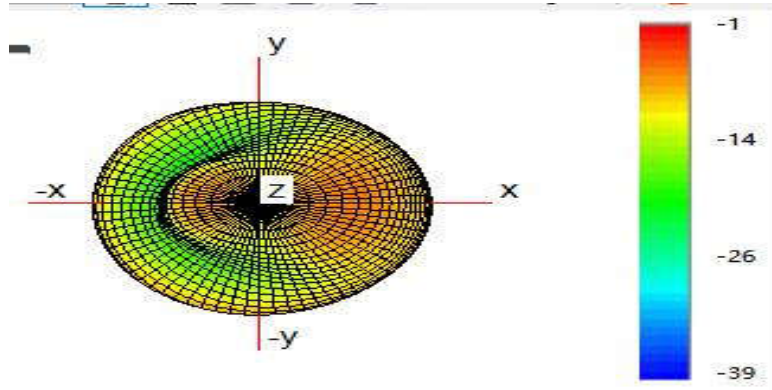
**Antenna Test data:**

<p><b>Antenna Type /Gain BT/2.4G</b></p>	<p><b>&lt;2400MHz~2483.5MHz&gt;</b> <b>&lt;Ant6&gt;: IFA Antenna with gain: -2.7 dBi</b></p>
<p><b>Antenna Type /Gain 5G</b></p>	<p><b>&lt;5150-5250MHz &gt;</b> <b>&lt;Ant6&gt;: IFA Antenna with gain: -4 dBi</b> <b>&lt;5250-5350MHz&gt;</b> <b>&lt;Ant6&gt;: IFA Antenna with gain: -4.4 dBi</b> <b>&lt;5470-5725MHz &gt;</b> <b>&lt;Ant6&gt;: IFA Antenna with gain: -4.5 dBi</b> <b>&lt;5725~5850MHz &gt;</b> <b>&lt;Ant6&gt;: IFA Antenna with gain: -5.1 dBi</b></p>

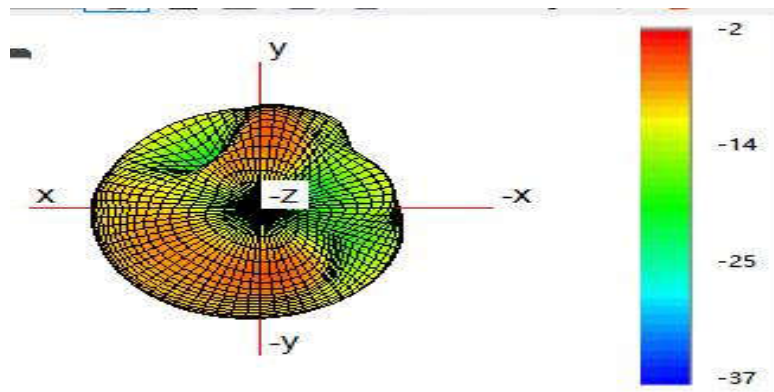
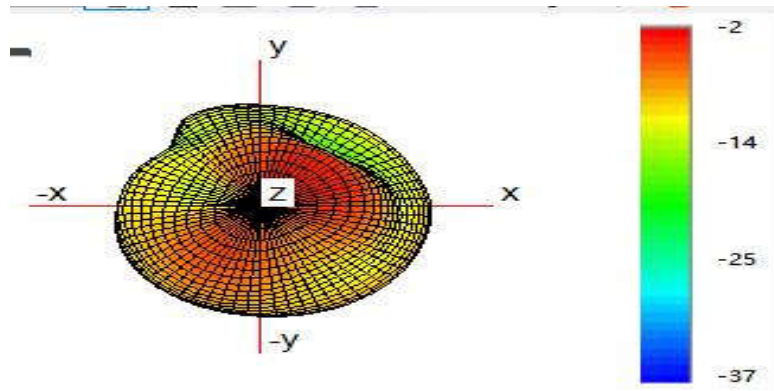
Gain Plots



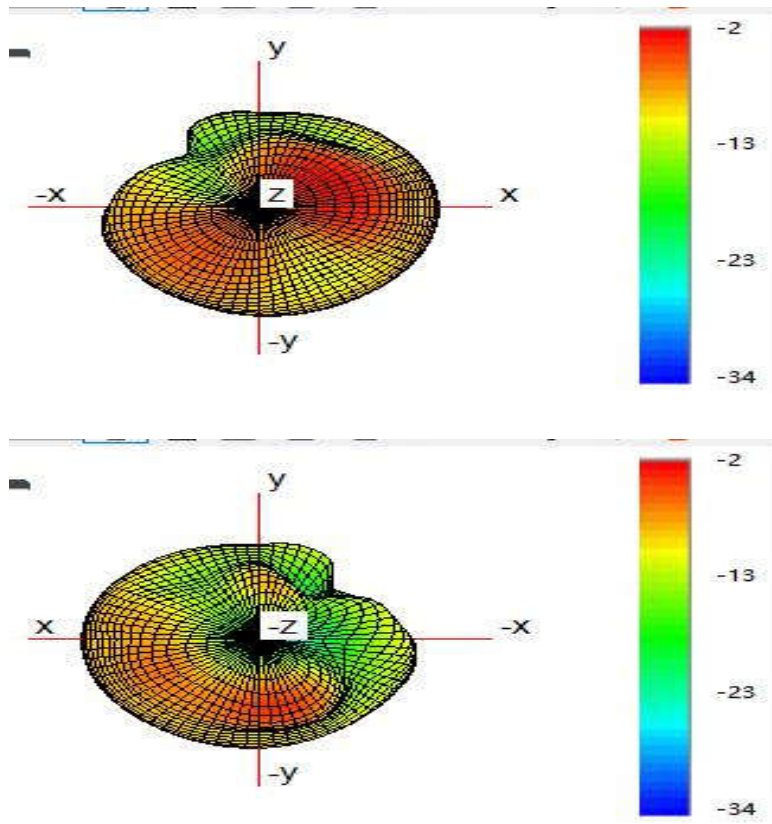
BT



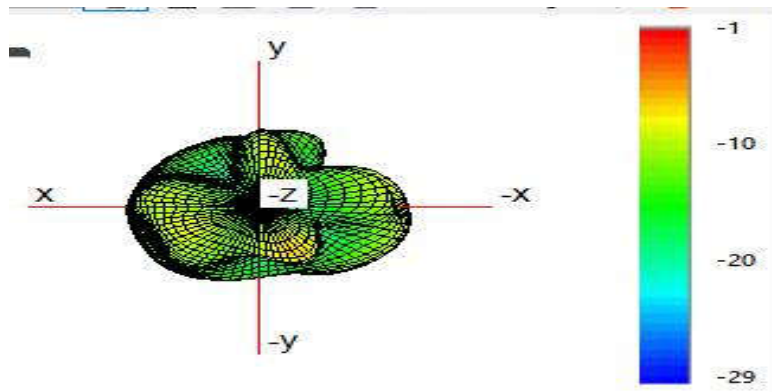
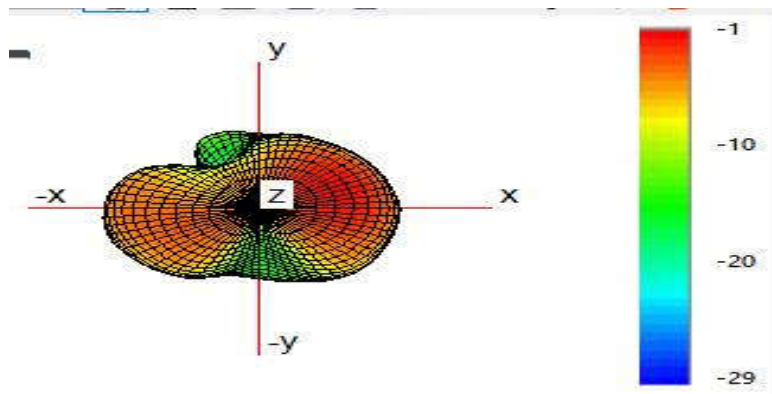
**WIFI 2.4G**



**WIFI 5G W52**

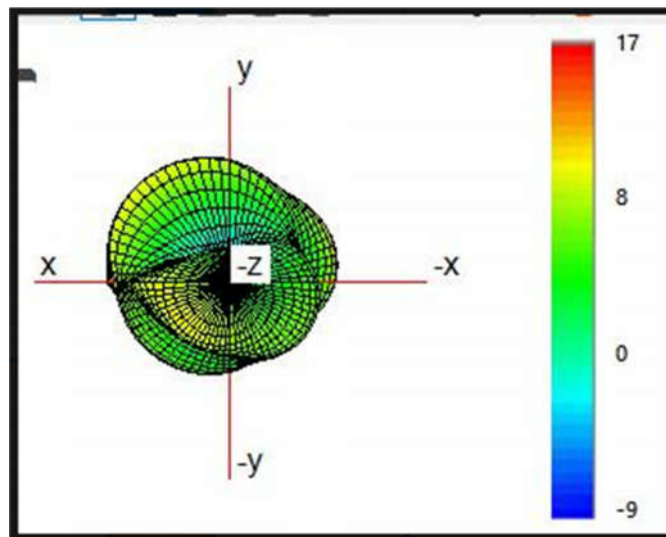
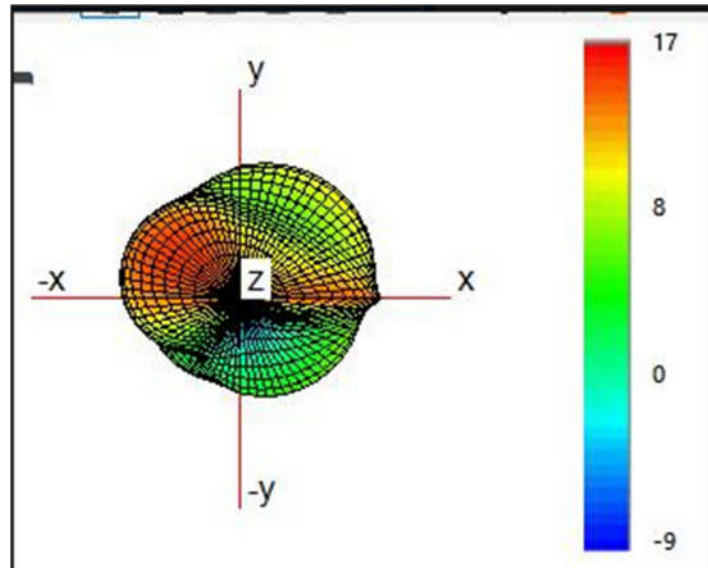


**WIFI 5G W53**



**WIFI 5G W56**





WIFI 5G W58

## ***Antenna Report***

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### ***NFC Antenna information***

NFC Antenna: Differential port to excite FPC + Ferrite sheet with dimension  
36.06mm\*26.41mm\*0.20mm

Antenna vendor: Sunway