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# Antenna Gain Report

Company: Lenovo

Model name: TB570FU

Issue date: 2022/11/21

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## Antenna Summary Table

Check items	Information
Provided by lab	Moto AG-1
Model name (Part number)	FPC
Test environment	GTS RayZone2800
Test Software	GTS MaxSign Libra Version: 1.1.13
List of calibrated test equipment	Agilent E5071C Cal: 2022.06.23
Antenna detail info.	Show WLAN/BT/ NFC only, no WWAN ANT4a: WiFi 5G / 6E antenna(5.15~7.125GHz), FPC type antenna ANT4b: WiFi2.4G antenna (2.4~2.5GHz), FPC type antenna. ANT5a: WiFi 5G / 6E antenna(5.15~7.125GHz), FPC type antenna ANT5b: WiFi2.4G antenna (2.4~2.5GHz), FPC type antenna. WLC antenna: FPC and dimensions 22*11mm
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 Manufacture Name: Huizhou Speed Wireless Technology Co., Ltd.

Antenna Manufacture Address: No.138 Huize Road, Hi-Tech Industrial Park of East River, Zhongkai Hi-tech District, Huizhou City, Guangdong Province

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**Antenna Test data:**

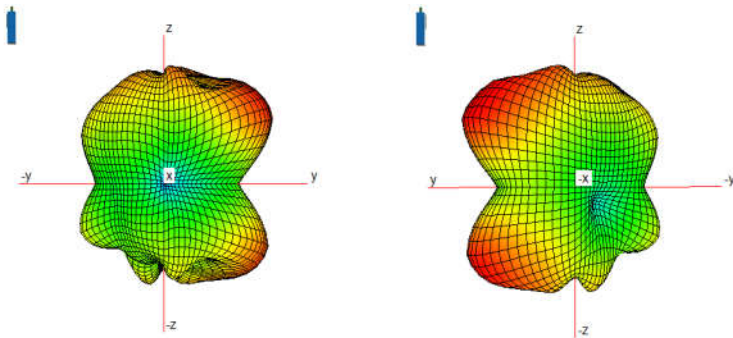
**ANT4b**

Antenna model name: FPC

Antenna type: FPC

BT/WLAN Peak Gain (dBi)			
<b>2400~2483.5MHz</b>	<b>-0.3</b>		

WIFI 2.4G (2450 MHz)



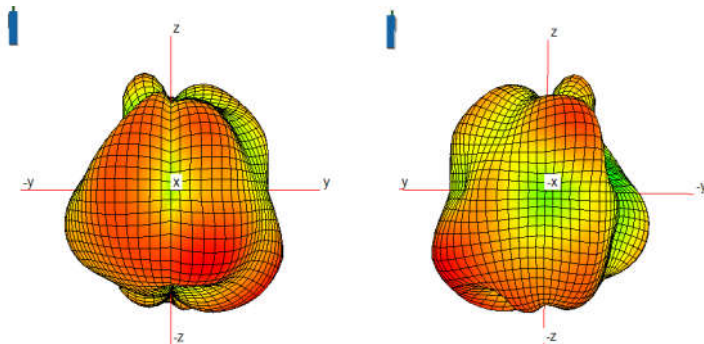
**ANT4a**

Antenna model name: FPC

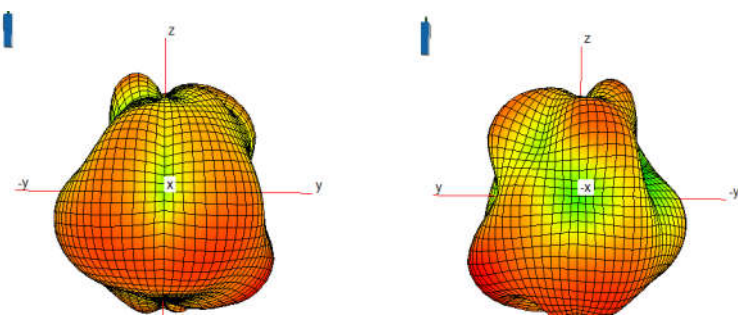
Antenna type: FPC

WLAN Peak Gain (dBi)			
<b>5150~5250MHz</b>	<b>-2.75</b>	<b>5470~5725MHz</b>	<b>-4.22</b>
<b>5250~5350MHz</b>	<b>-3.1</b>	<b>5725~5850MHz</b>	<b>-3.73</b>
<b>5925~6425MHz</b>	<b>-2.9</b>	<b>6525~6875MHz</b>	<b>-6.3</b>
<b>6425~6525MHz</b>	<b>-6.4</b>	<b>6875~7125MHz</b>	<b>-6.6</b>

WIFI 5G (5200 MHz)

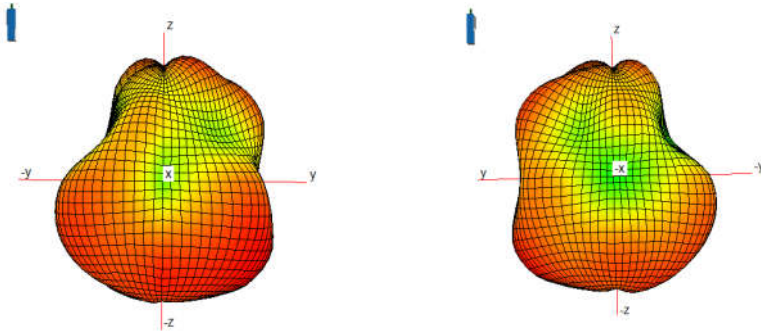


WIFI 5G (5300 MHz)

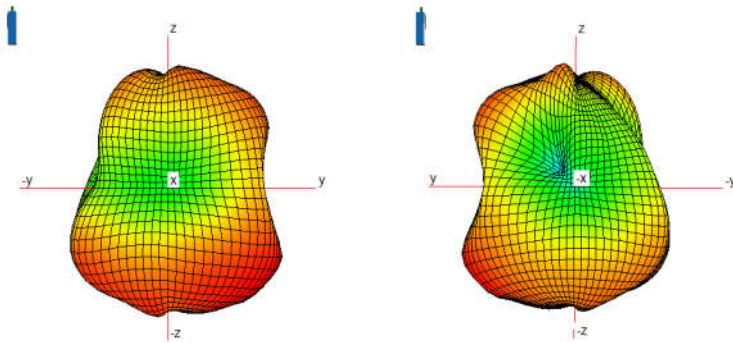


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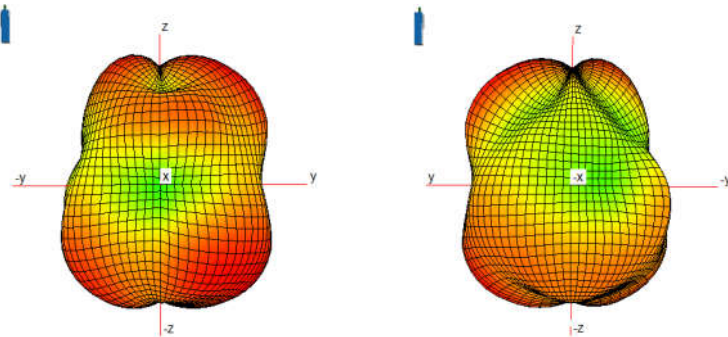
WIFI 5G (5500 MHz)



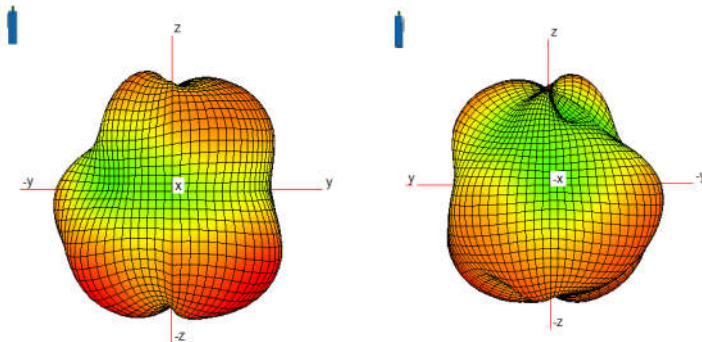
WIFI 5G (5800 MHz)



WIFI 6E (6200 MHz)

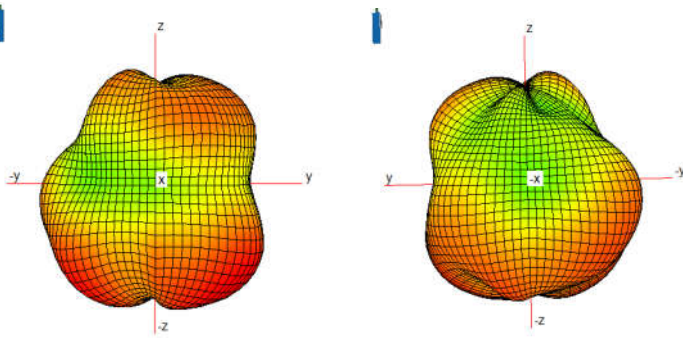


WIFI 6E (6500 MHz)

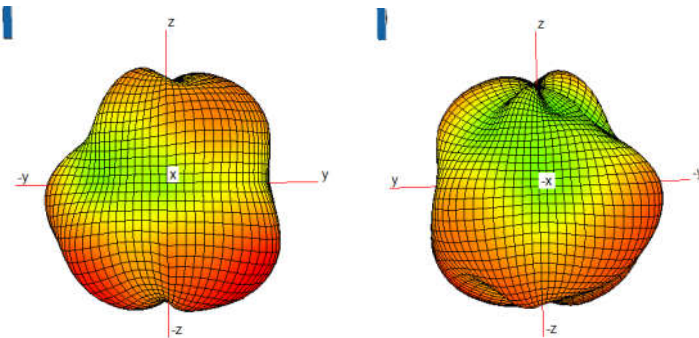


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### WIFI 6E (6800 MHz)



### WIFI 6E (7000 MHz)



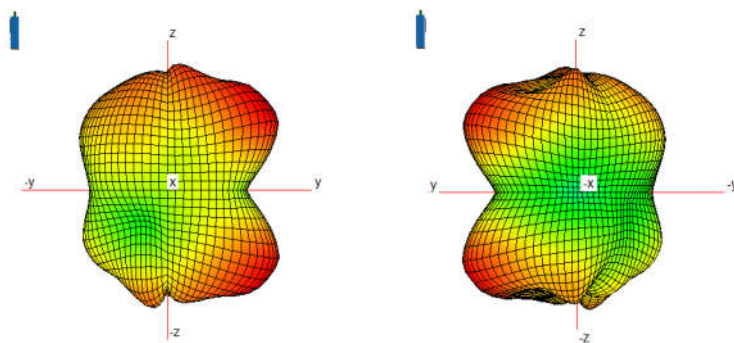
### ANT5b

Antenna model name: FPC

Antenna type: FPC

WLAN Peak Gain (dBi)			
2400~2483.5MHz	-0.4		

### WIFI 2.4G (2450 MHz)



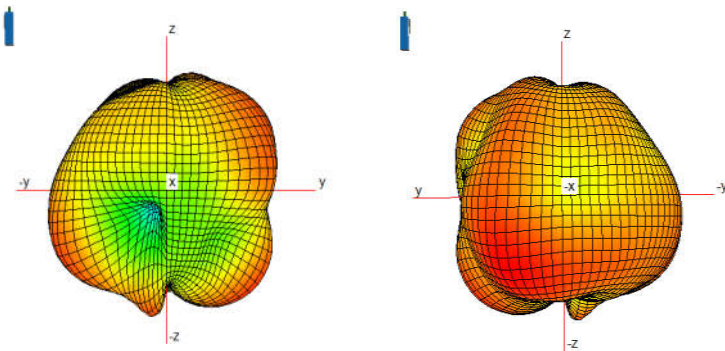
## ANT5a

Antenna model name: FPC

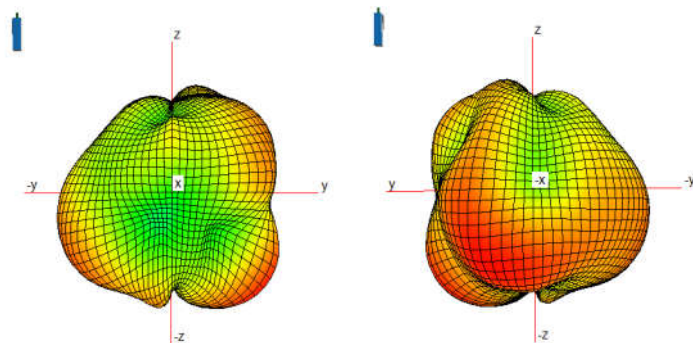
Antenna type: FPC

WLAN Peak Gain (dBi)			
5150~5250MHz	-5.2	5470~5725MHz	-4.88
5250~5350MHz	-4.76	5725~5850MHz	-6.2
5925~6425MHz	-3.8	6525~6875MHz	-4.8
6425~6525MHz	-4.2	6875~7125MHz	-5

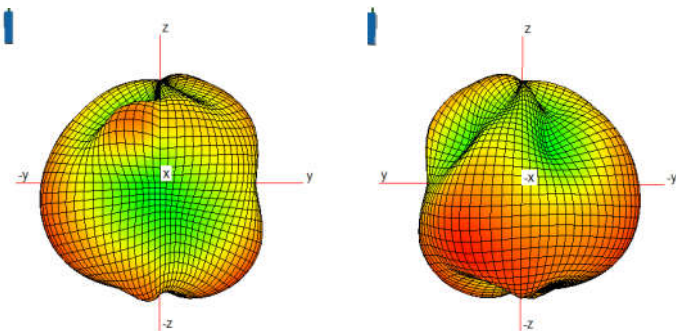
WIFI 5G (5200 MHz)



WIFI 5G (5300 MHz)

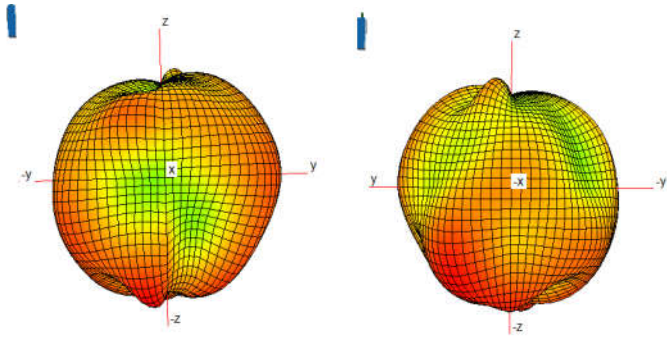


WIFI 5G (5500 MHz)

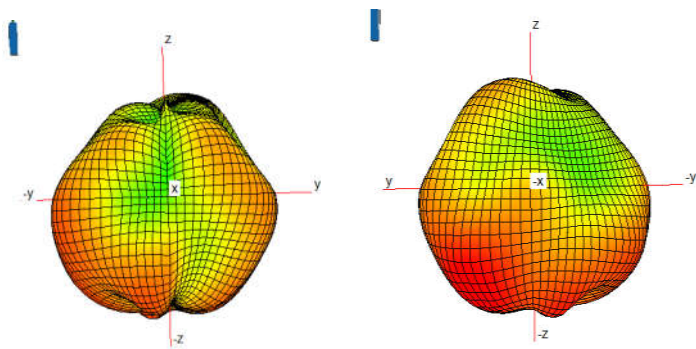


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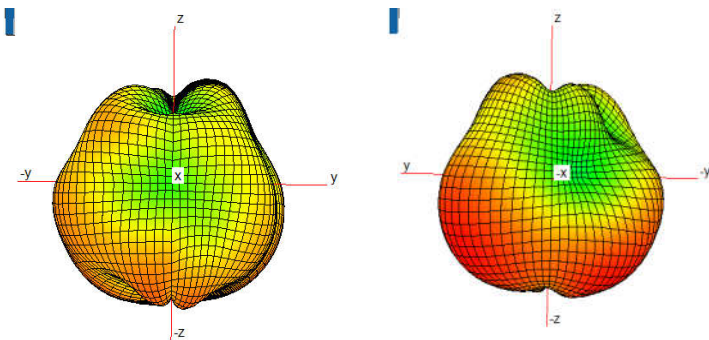
WIFI 5G (5800 MHz)



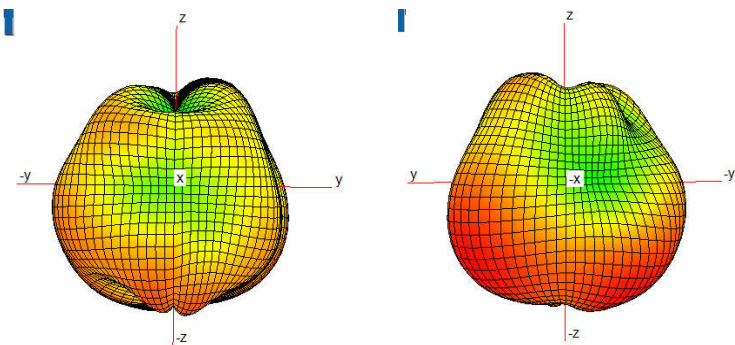
WIFI 6E (6200 MHz)



WIFI 6E (6500 MHz)



WIFI 6E (6800 MHz)



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# WIFI 6E (7000 MHz)

