

# Antenna Test Report

WLAN (ANT8) Antenna vendor: ( HT )

Location : West Door, 1st Floor, Building A11, Phase 2, Software New

City, Yanta District, Xi 'an, Shaanxi

Test lab: HT lab

Test instrument: E5071B

Calibration time: 2022/9/15

Antenna model name: Insert molding metal

Issue date: 2022/11/3

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**1. TX Antenna Peak Gain**

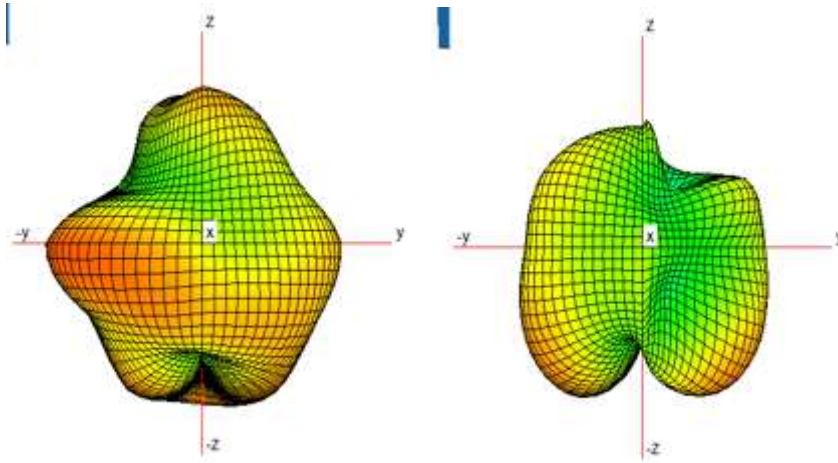
Antenna model name: Insert molding metal

Antenna type: IFA

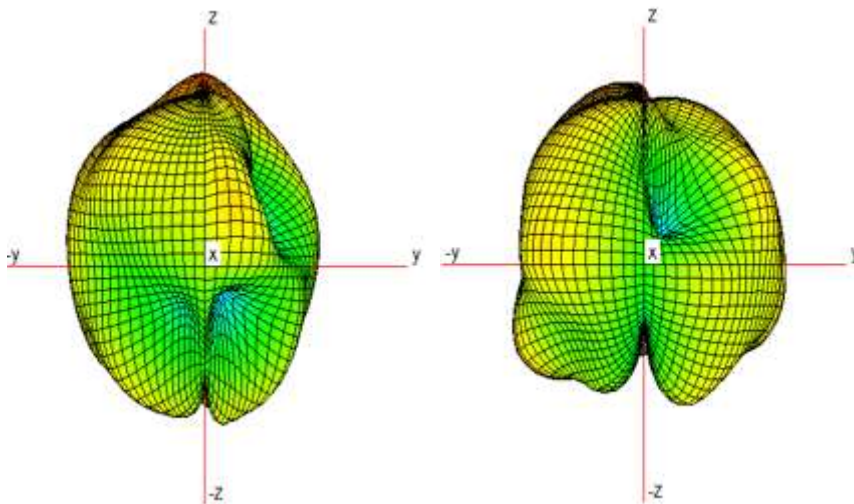
Test / Position	Free Space				
bands	Frequency	TX Antenna Peak Gain			
		Ant 8			
BT	2402-2480MHz	-4.5			
WiFi 2.4G	2400-2483.5MHz	-4.5			
WiFi 5G	5150-5250MHz	-5.4			
WiFi 5G	5250-5350MHz	-5.6			
WiFi 5G	5470-5730MHz	-5.4			
WiFi 5G	5725-5850MHz	-6.5			

## 2. Gain Plots

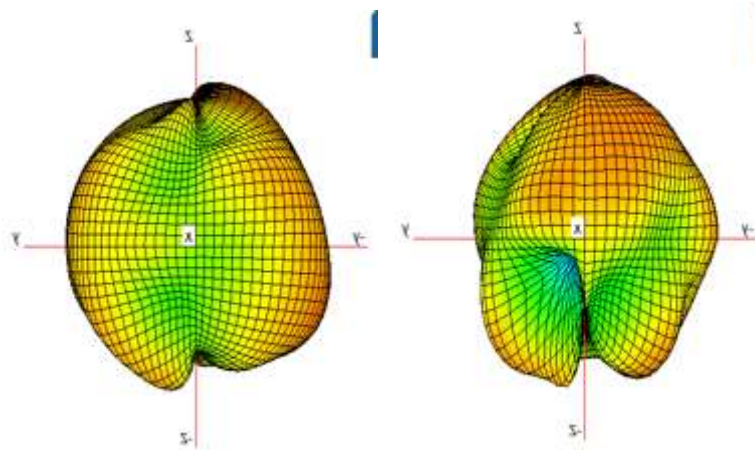
WIFI 2.4G (2450 MHz)



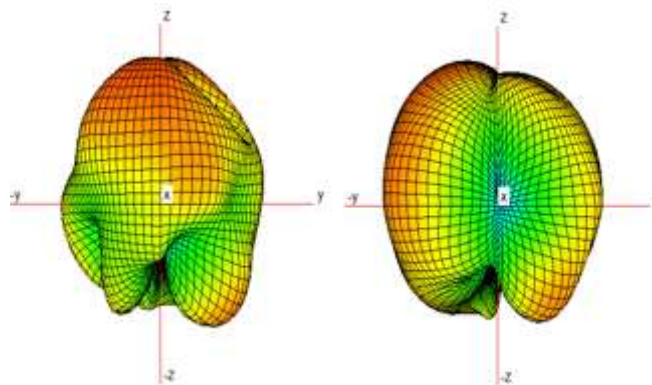
WIFI 5G (5200 MHz)



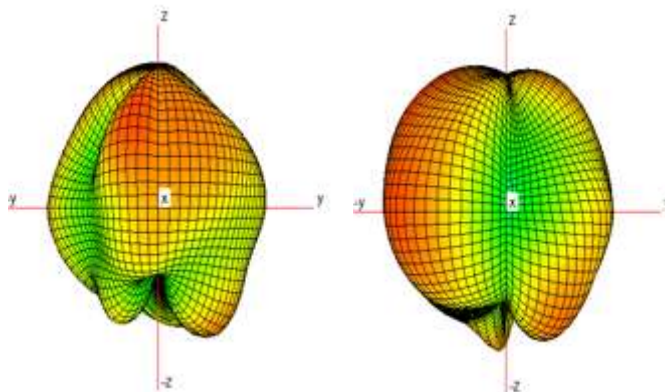
WIFI 5G (5300 MHz)



WIFI 5G (5500 MHz)



WIFI 5G (5800 MHz)



■ **3. NFC Antenna information**

NFC Antenna: Differential port to excite FPC coil + Ferrite sheet with dimension 27.6 mm \* 32.3mm \* 0.22mm

Antenna vendor: ( innowave )

Location : Room E1-03, Main Building, Zhongxing Industrial Park, No. 10 Tangyan South Road, High-tech Zone, Xi'an, Shaanxi Province

Antenna pattern:

