
Antenna Reports

Model name: QN7021A

Test lab: HT lab (ETS)

Issue date: 2024/03/21

1、 Peak Gain

ANT6: 2.4G WLAN +BT

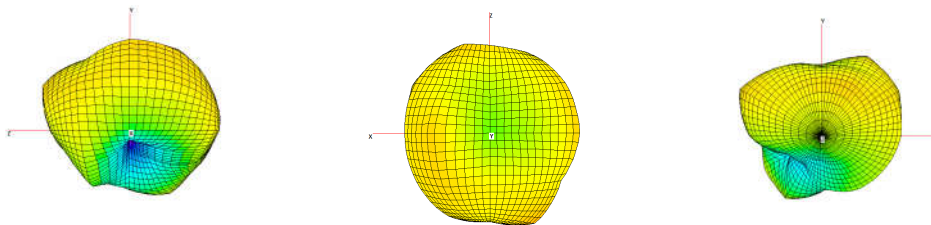
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)		
2400-2500MHz	-1.85	

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

(Right view – Rear view – Left view – Front view)

WIFI 2.4G (2450 MHz)



ANT5:5G WLAN

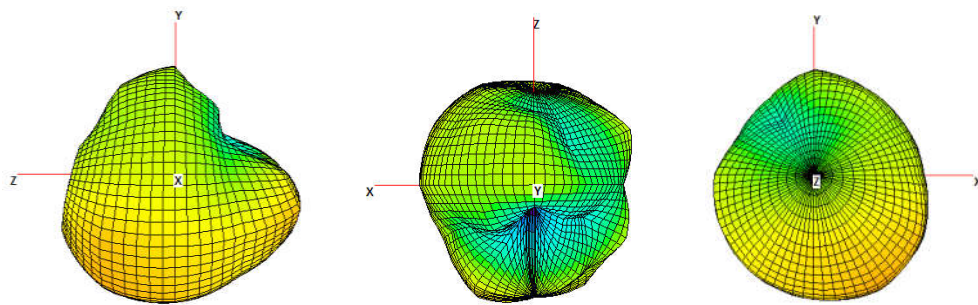
Antenna type: PIFA

WLAN Peak Gain (dBi)	Peak Gain(dBi)
5150~5250MHz	-3
5250~5350MHz	-3.1
5470~5725MHz	-3
5725~5850MHz	-3.5
5925~6425MHz	-4.1
6425~6525MHz	-4
6525~6875MHz	-4
6875~7125MHz	-4.3

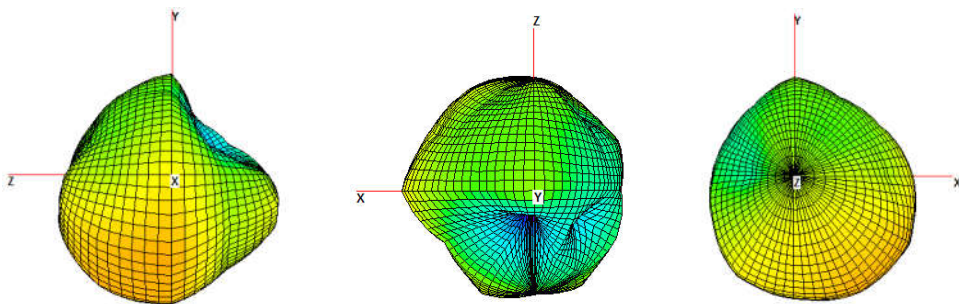
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

(Right view – Rear view – Left view – Front view)

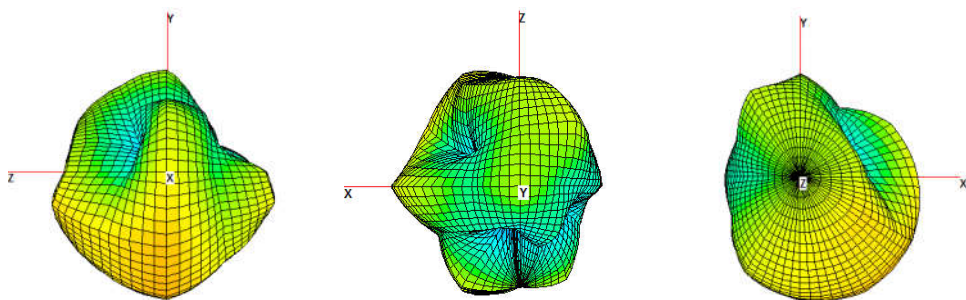
WIFI 5G (5200 MHz)



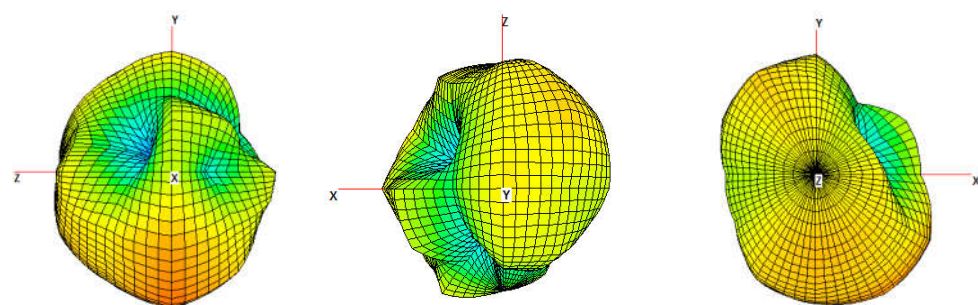
WiFi 5G (5400 MHz)



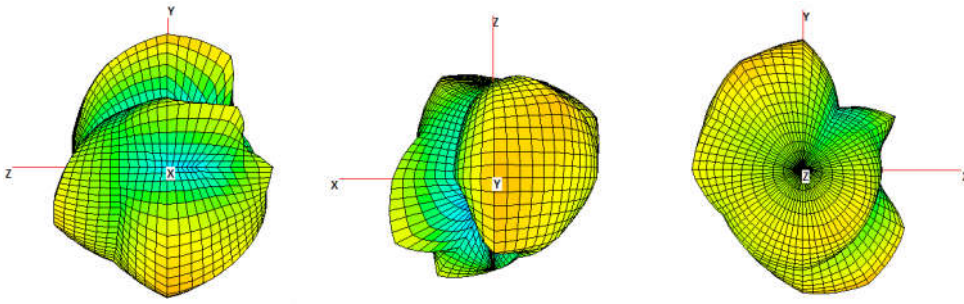
WiFi 5G (5600 MHz)



WiFi 5G (5800 MHz)



WiFi 6E (6200 MHz)



ANT7:5G WLAN

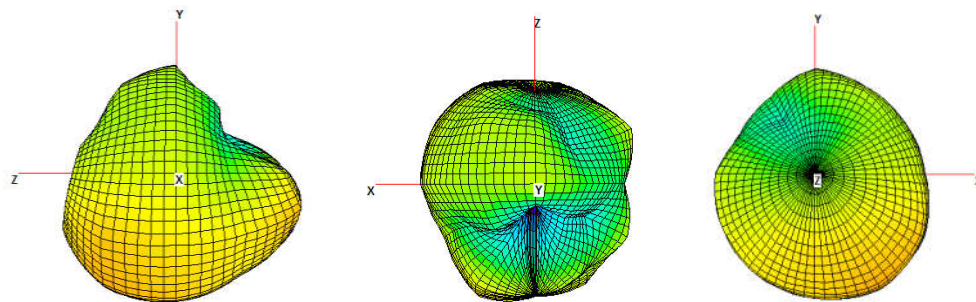
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)	Peak Gain(dBi)
5150~5250MHz	-3.3
5250~5350MHz	-3.2
5470~5725MHz	-3.5
5725~5850MHz	-3.5
5925~6425MHz	-3.3
6425~6525MHz	-3.5
6525~6875MHz	-3.4
6875~7125MHz	-3.5

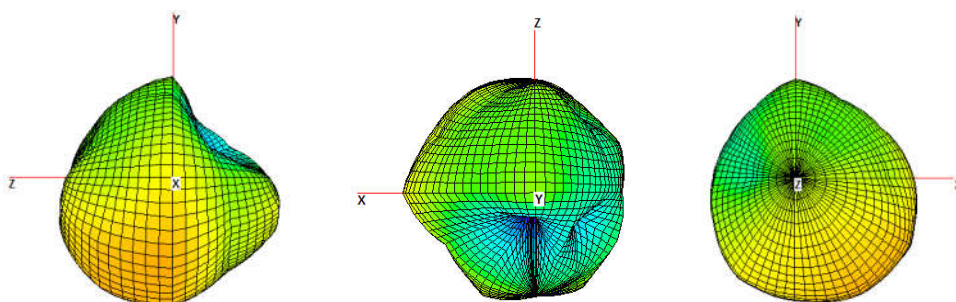
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document.

(Right view – Rear view – Left view – Front view)

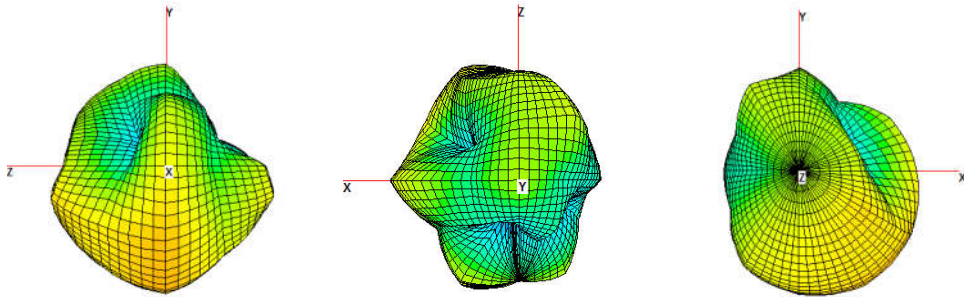
WIFI 5G (5200 MHz)



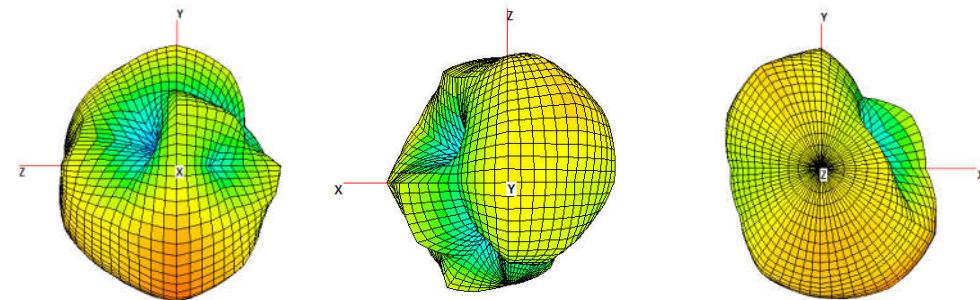
WIFI 5G (5400 MHz)



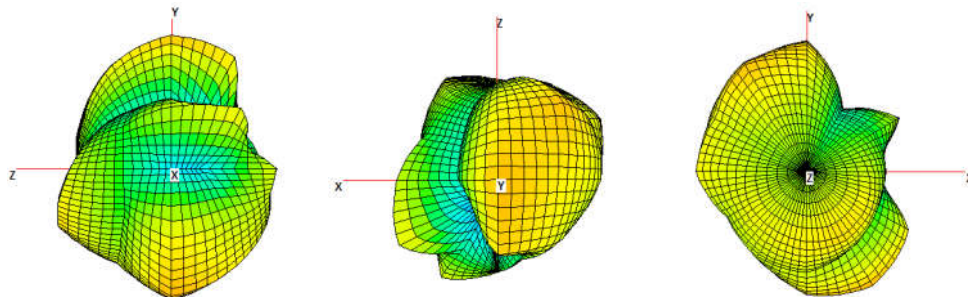
WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)



WIFI 6E (6200 MHz)



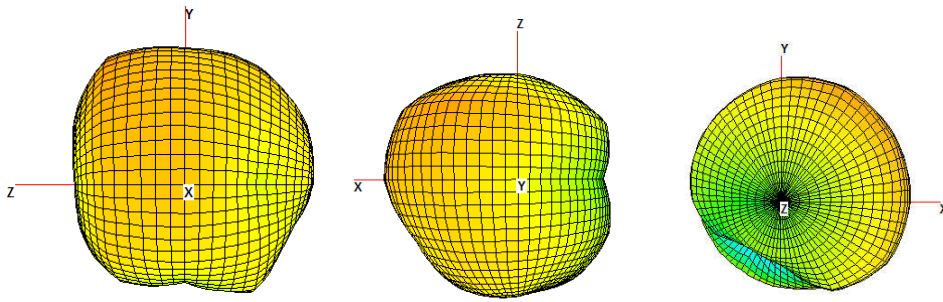
ANT8: 2.4G WLAN

Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)	Peak Gain(dBi)
2400-2500MHz	-2.1

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

WIFI 2.4G (2450 MHz)



3. NFC

NFC Antenna type: LOOP

Size: 32.26*32.35mm

4、 Antenna Manufacturer and address Manufacturer:

NFC antenna: Shanghai Deman Electronics Technology Co., Ltd.

Address: 3/F, Building C, Shunluo Industrial Park, Dafu Industrial Zone, Guanlan Town, Longhua New District, Shenzhen, Guangdong, China.

WLAN/BT antenna: Dongguan Huayu Precision Technology Co., Ltd Address: No. 2, Fengtian Road, Tangxia Town, Dongguan City Province.

5、 Test instrument and calibration date

GTS 2800 calibration date: 2024/01/17 due data: 2025/01/17

CMW500 calibration date: 2024/01/23 due data: 2025/01/23

Keysight E5071C calibration date: 2024/01/11 due data: 2025/01/11

7、 Test engineer signature

唐艳东

8、 Test software

GTS2800