
Antenna Reports

Test lab: Speed lab (ETS)

Issue date: 2023/11/15

Model name:
WWAN
1st source (0°) : V0.6 1110 2nd source (60°) : V0.6 1110
1st source (0°) : ST6919-T0P0 SPD V0.4 1115 2nd source (60°) : T0P60 SPD V0.4 1114

WLAN
1st source (0°) : TOP0-WLAN SPD V0.2 1116 2nd source (60°) : T0P60-WLAN SPD V0.1 1116

Brand name: SPEED

1、Peak Gain

ANT2

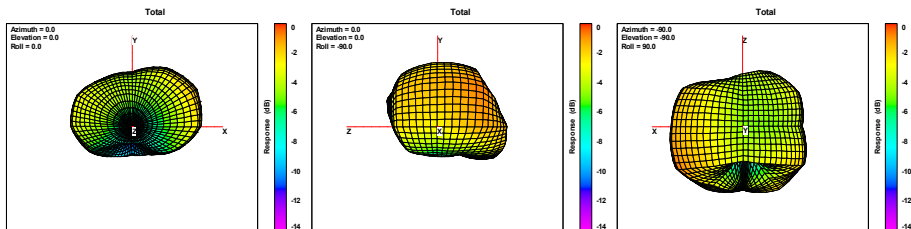
Antenna type: IFA

GPS/WLAN Peak Gain (dBi)			
1550-1650MHz	-1.42	2400-2500MHz	-1.64

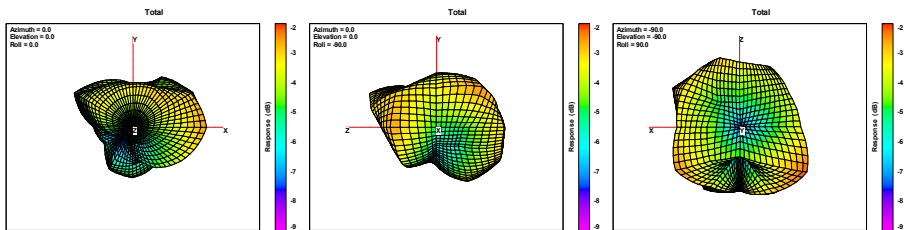
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

GPS (1575 MHz)



WIFI 2.4G (2450 MHz)



ANT3

Antenna type: IFA

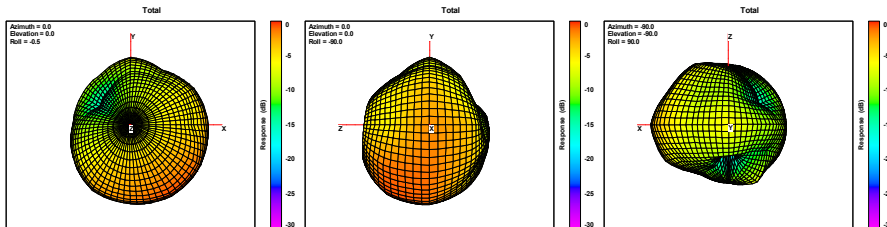
WLAN Peak Gain (dBi)	Peak Gain(dBi)
5150~5250MHz	-2.15
5250~5350MHz	-2.15

5470~5725MHz	-5.32
5725~5850MHz	-5.32
5925~7125MHz	-5.32

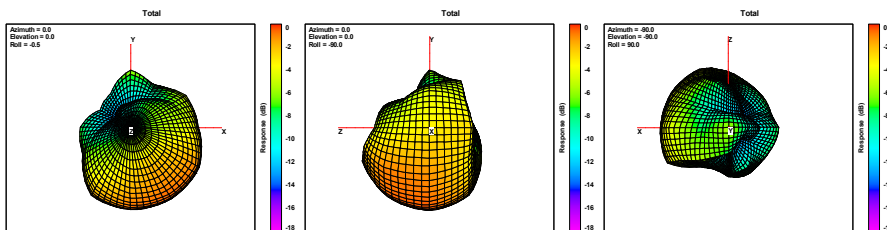
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

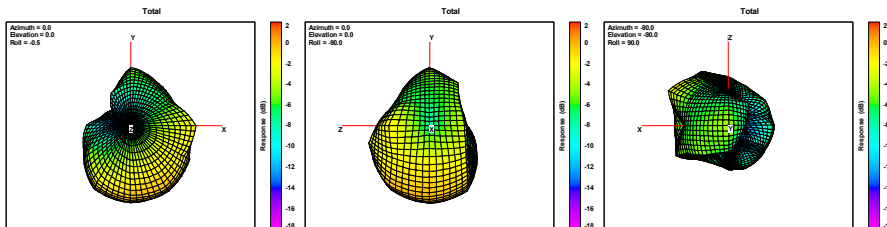
WIFI 5G (5200 MHz)



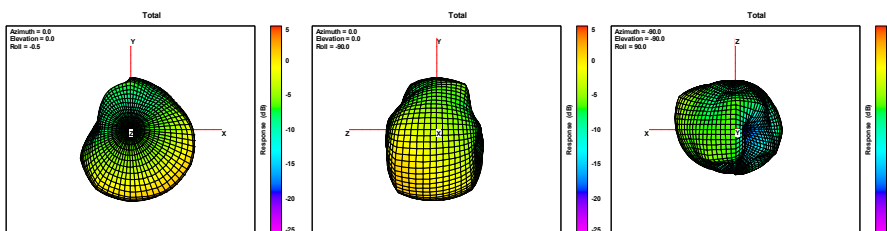
WIFI 5G (5400 MHz)



WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)



ANT4

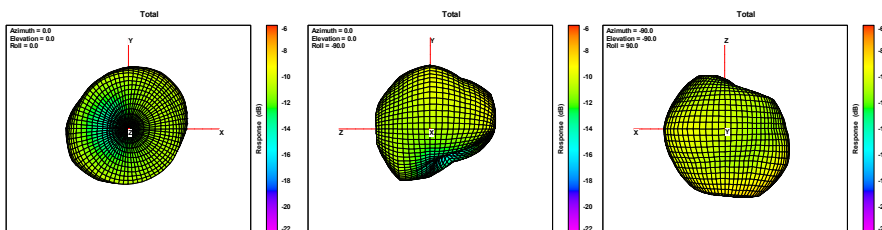
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)	Peak Gain(dBi)
1150-1250MHz	-7.27
2400-2500MHz	-2.31
5150~5250MHz	-2.03
5250~5350MHz	-2.03
5470~5725MHz	-5.45
5725~5850MHz	-5.45
5925~7125MHz	-5.45

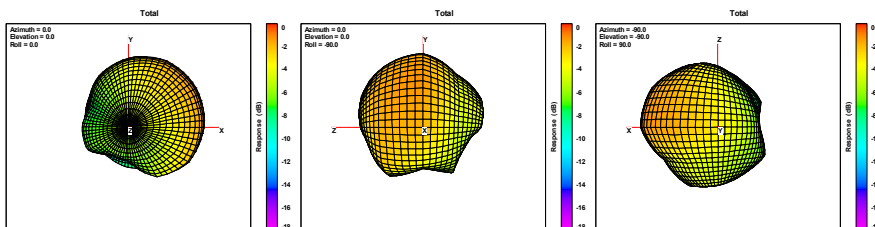
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

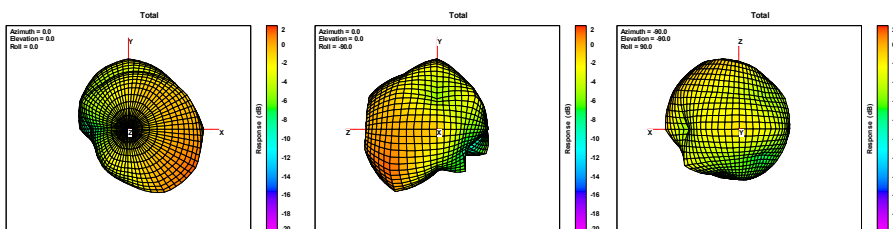
GPS (1176 MHz)



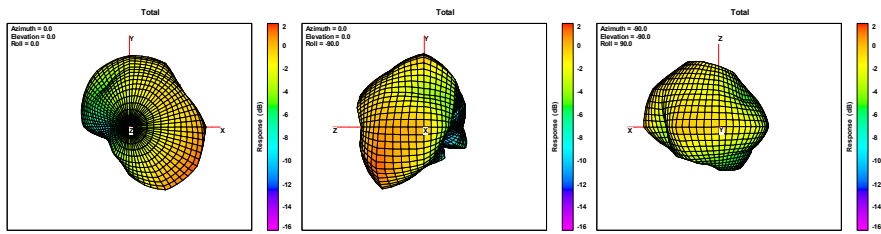
WIFI 2.4G (2450 MHz)



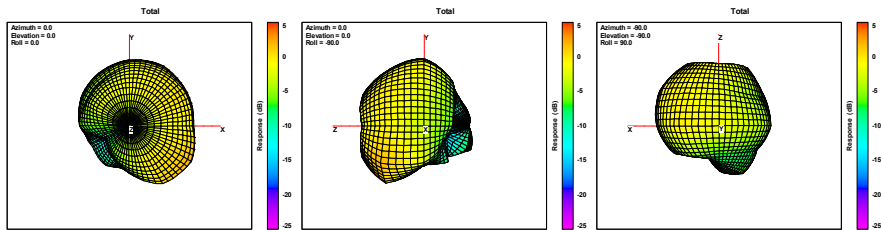
WIFI 5G (5200 MHz)



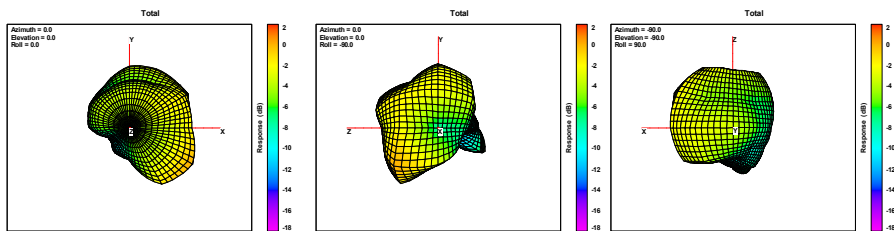
WIFI 5G (5400 MHz)



WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)



3、Antenna Manufacturer and address

Manufacturer: Huizhou Speed Wireless Technology Co.,Limited

Address: Huize Avenue, Shangxia District, Dongjiang Hi-Tech Industrial Park, Shuikou, Huizhou City, Guangdong Province

4、Antenna type

IFA/PIFA

NFC: LOOP Antenna, 54mm*38mm

5、Test instrument and calibration date

GTS 2800 calibration date: 20231006

CMW500 calibration date: 20230927

Keysight E5071C calibration date: 20231028

6、Test engineer signature

Eddy

7、Test software

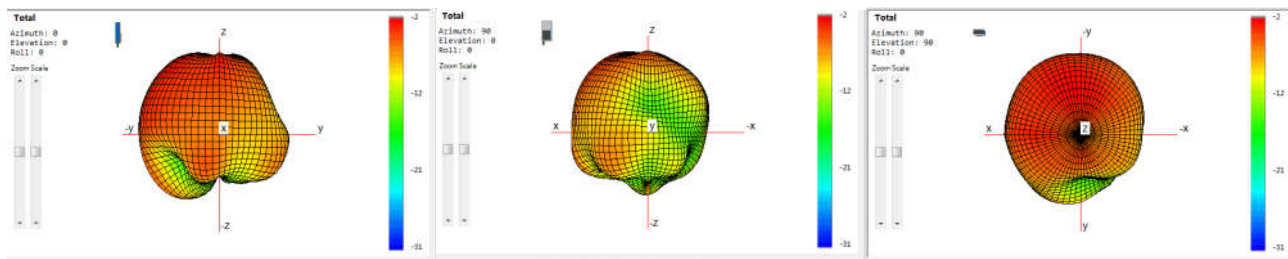
GTS2800

WIFI 6E gain: (Ant3)

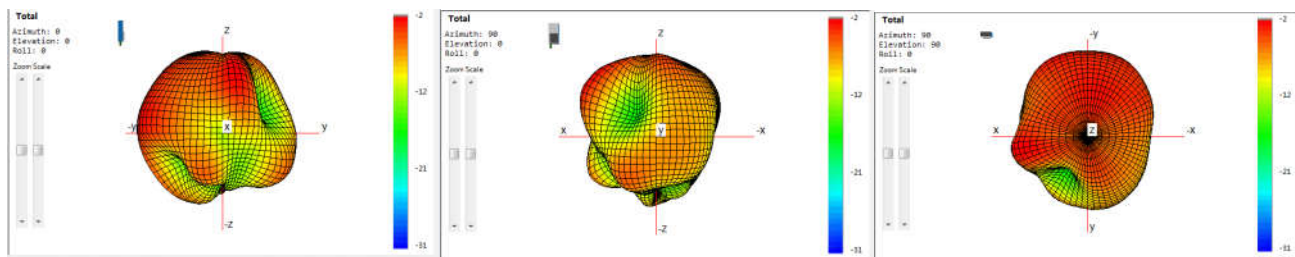
WLAN Peak Gain (dBi)	Peak Gain(dBi)
UNII-5	-5.32
UNII-6	-5.32
UNII-7	-5.32
UNII-8	-5.32

Worst plot:

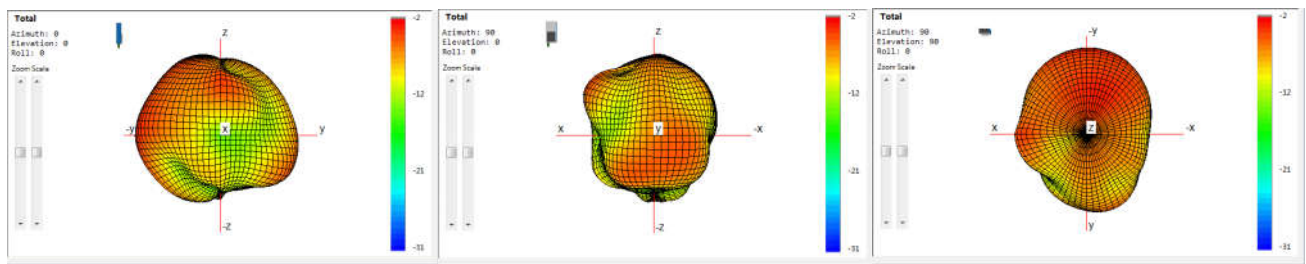
WIFI 6E (UNII-5)



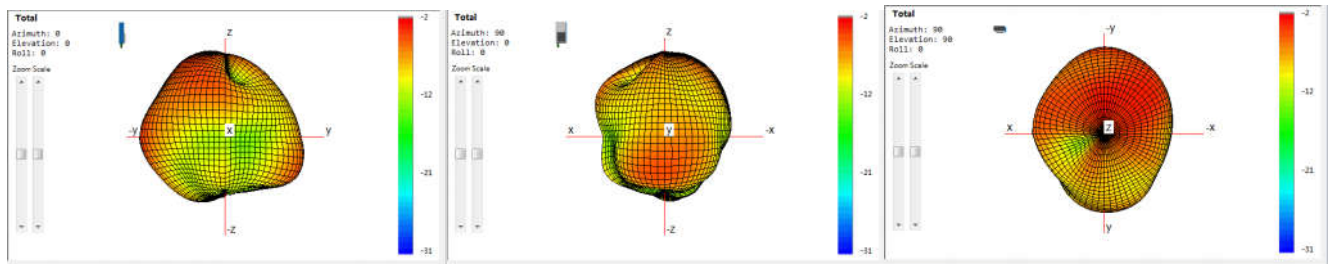
WIFI 6E (UNII-6)



WIFI 6E (UNII-7)



WIFI 6E (UNII-8)

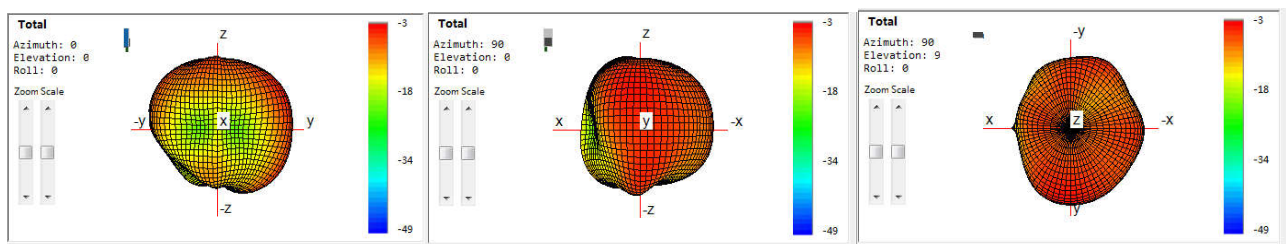


WIFI 6E gain: (Ant4)

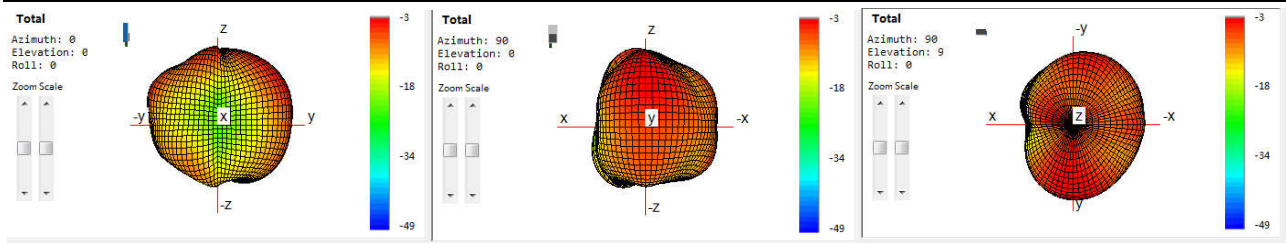
WLAN Peak Gain (dBi)	Peak Gain(dBi)
UNII-5	-5.45
UNII-6	-5.45
UNII-7	-5.45
UNII-8	-5.45

Worst plot:

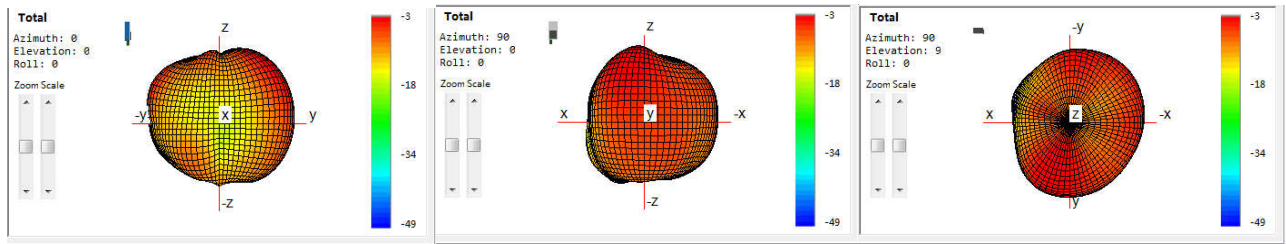
WIFI 6E (UNII-5)



WIFI 6E (UNII-6)



WIFI 6E (UNII-7)



WIFI 6E (UNII-8)

