
Antenna Reports

EA660

Test lab: Speed lab (ETS)

Issue date: 2023/09/22

Model name: ST6729-UP-SPD

Brand name: SPEED

1、 Peak Gain

ANT2

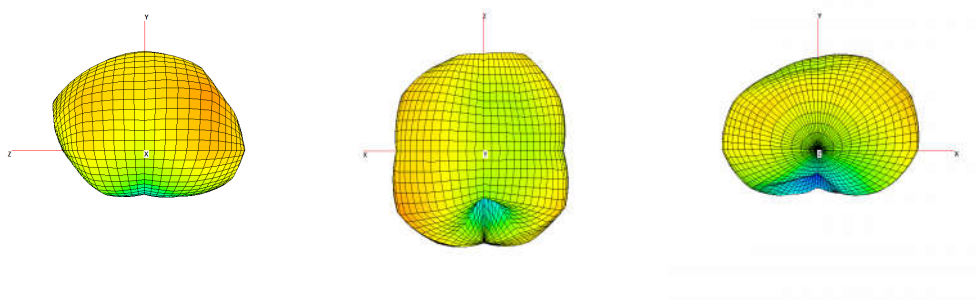
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)			
1550-1650MHz	-1.00	2400-2500MHz	-1.00

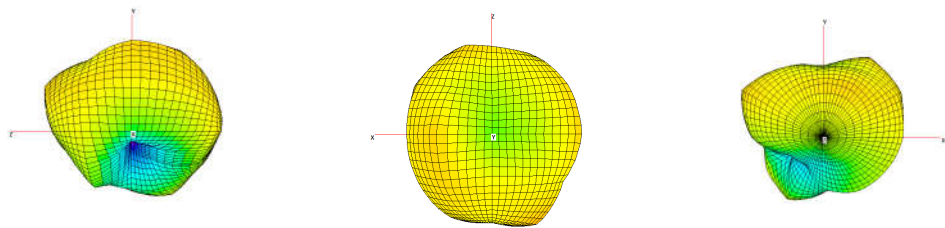
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

GPS (1575 MHz)



WIFI 2.4G (2450 MHz)



ANT3

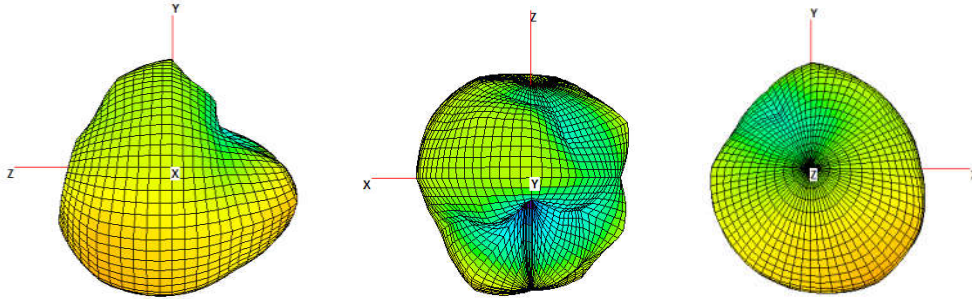
Antenna type: PIFA

WLAN Peak Gain (dBi)	Peak Gain(dBi)
5150~5250MHz	-2.00
5250~5350MHz	-2.00
5470~5725MHz	-2.00
5725~5850MHz	-2.00
5925~7125MHz	-2.00

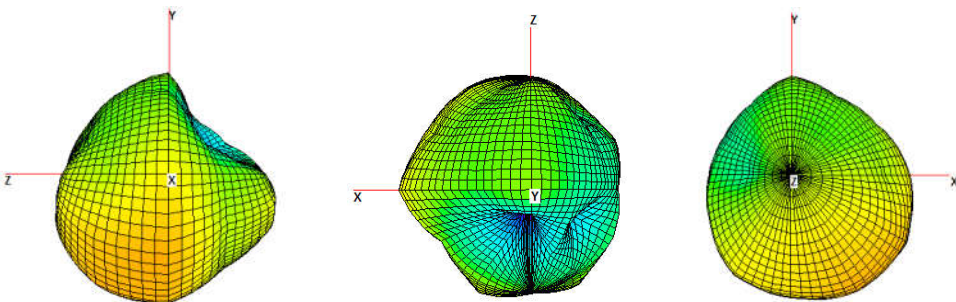
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

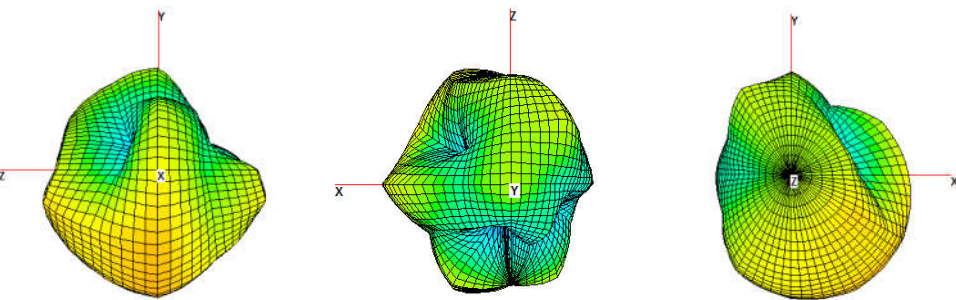
WIFI 5G (5200 MHz)



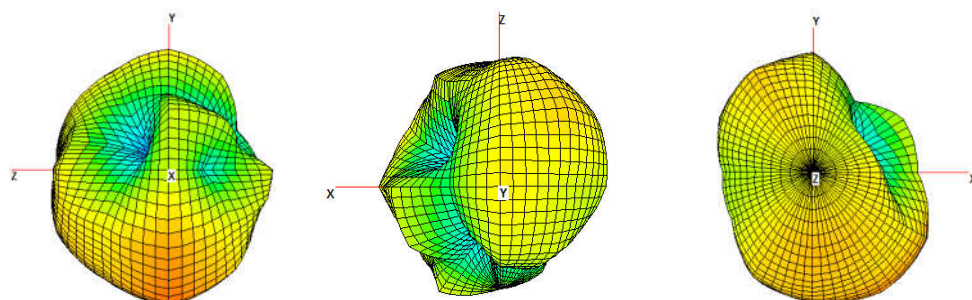
WIFI 5G (5400 MHz)



WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)



ANT4

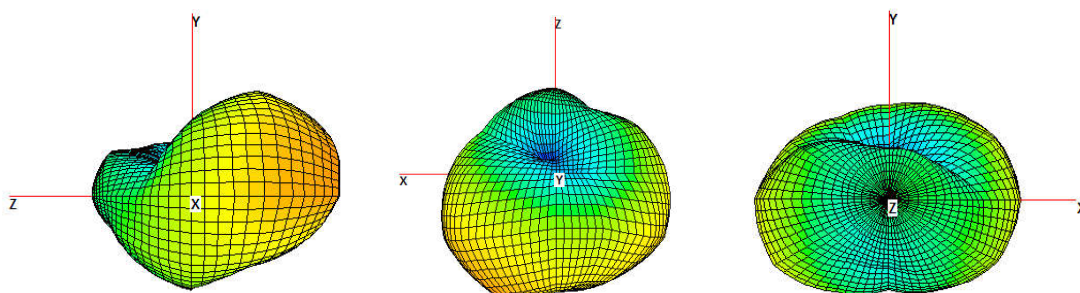
Antenna type: PIFA

GPS/WLAN Peak Gain (dBi)	Peak Gain(dBi)
1160-1200MHz	-3.00
2400-2500MHz	-1.00
5150~5250MHz	-2.00
5250~5350MHz	-2.00
5470~5725MHz	-2.00
5725~5850MHz	-2.00
5925~7125MHz	-2.00

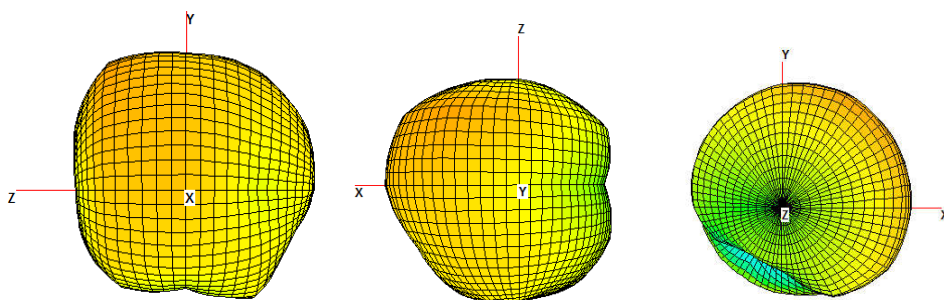
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

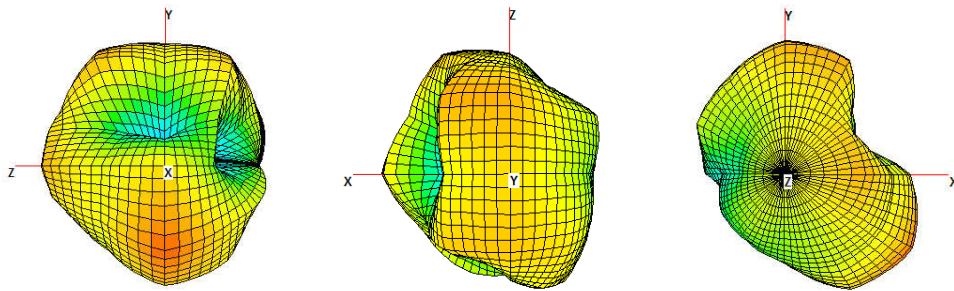
GPS (1176 MHz)



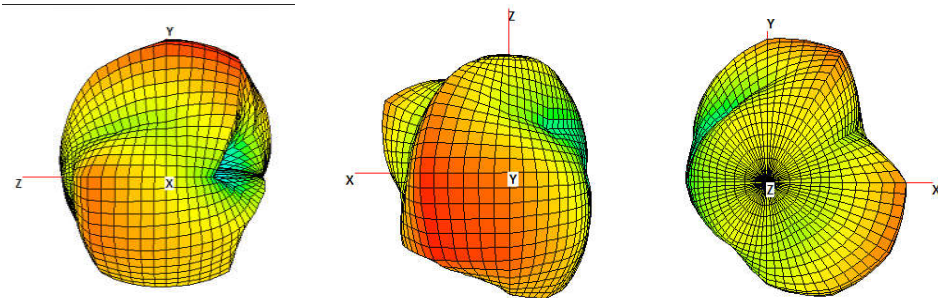
WIFI 2.4G (2450 MHz)



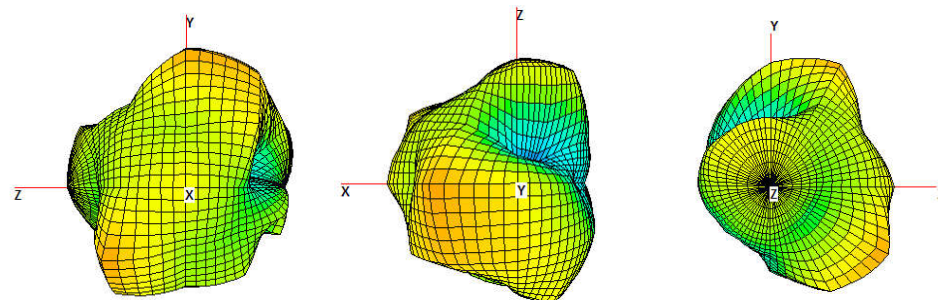
WIFI 5G (5200 MHz)



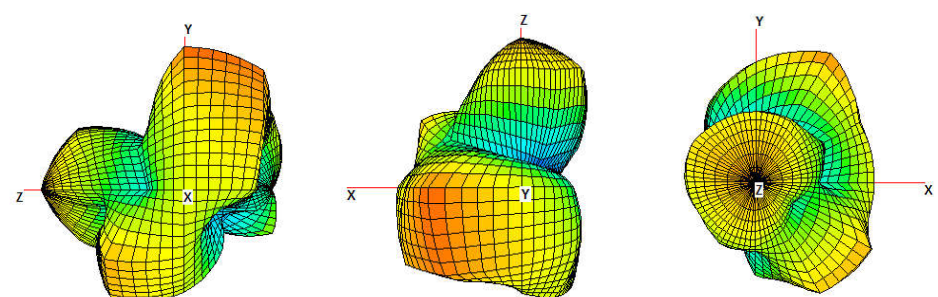
WIFI 5G (5400 MHz)



WIFI 5G (5600 MHz)



WIFI 5G (5800 MHz)



2、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

3、Antenna type

PIFA

4、Test instrument and calibration date

GTS 2800 calibration date: 20230717

CMW500 calibration date: 20230523

Keysight E5071C calibration date: 20230811

5. Test engineer signature



6、Test software

GTS2800

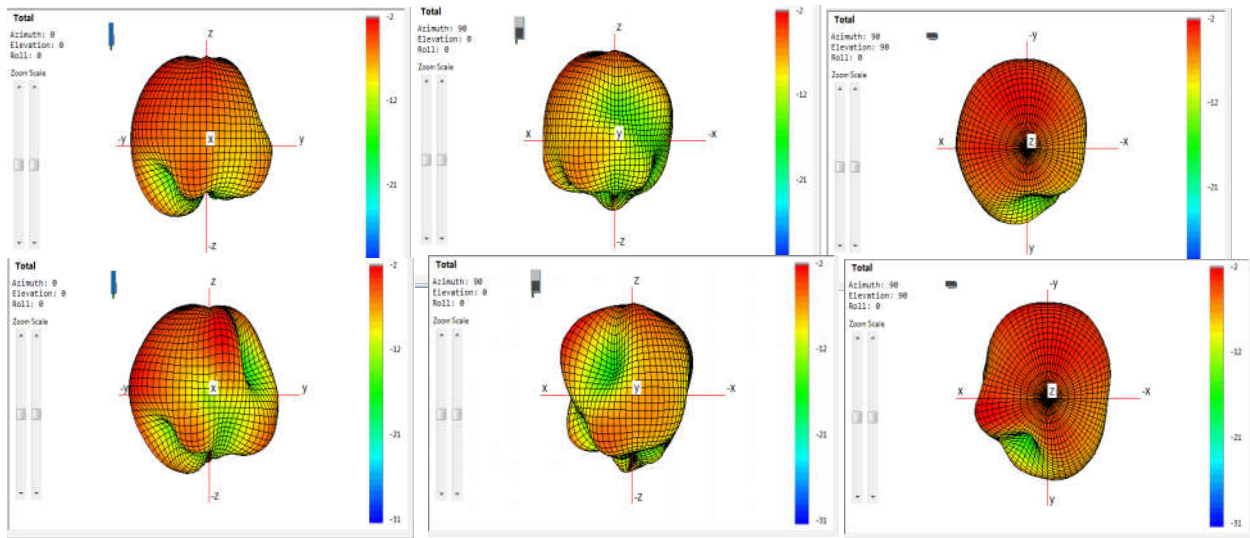
7、NFC: FPC ANT, 52.89mm*27.25mm*0.6mm

WIFI 6E gain: (Ant3)

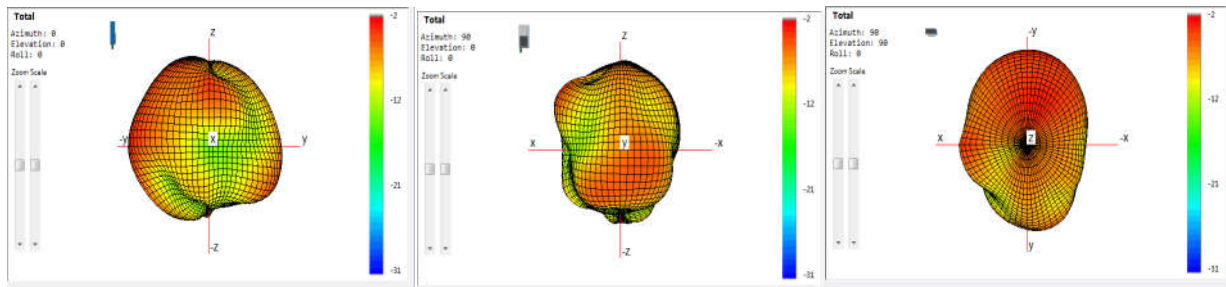
WLAN Peak Gain (dBi)	Peak Gain(dBi)
UNII-5	-2.00
UNII-6	-2.00
UNII-7	-2.00
UNII-8	-2.00

Worst plot:

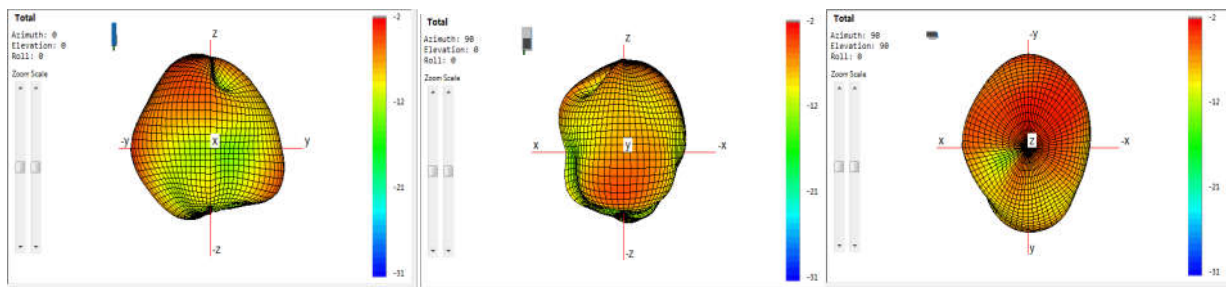
WIFI 6E (UNII-5)



WIFI 6E (UNII-7)



WIFI 6E (UNII-8)

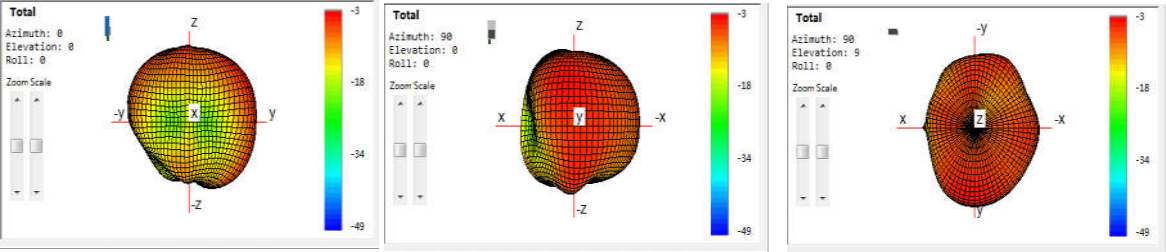


WIFI 6E gain: (Ant4)

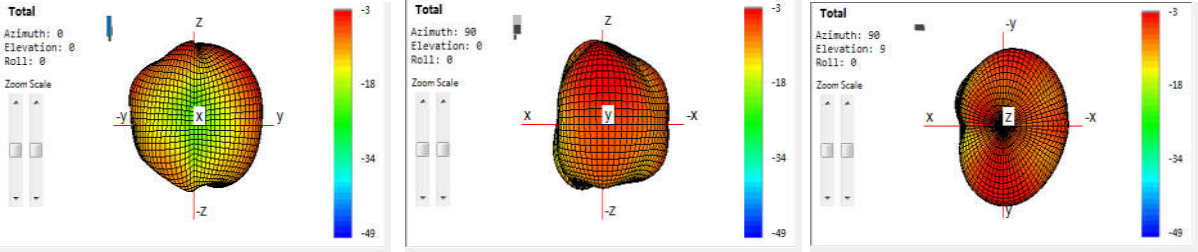
WLAN Peak Gain (dBi)	Peak Gain(dBi)
UNII-5	-2.00
UNII-6	-2.00
UNII-7	-2.00
UNII-8	-2.00

Worst plot:

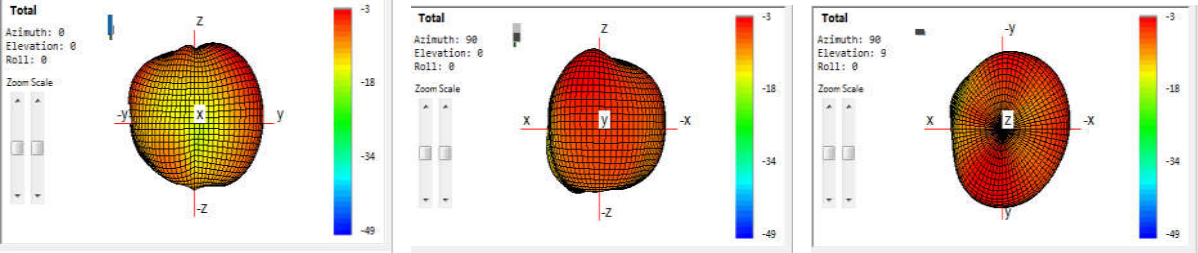
WIFI 6E (UNII-5)



WIFI 6E (UNII-6)



WIFI 6E (UNII-7)



WIFI 6E (UNII-8)

