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# Antenna Reports

**ST6729-UP-SPD**

Test lab: Speed lab (ETS)

Issue date: 2024/09/25

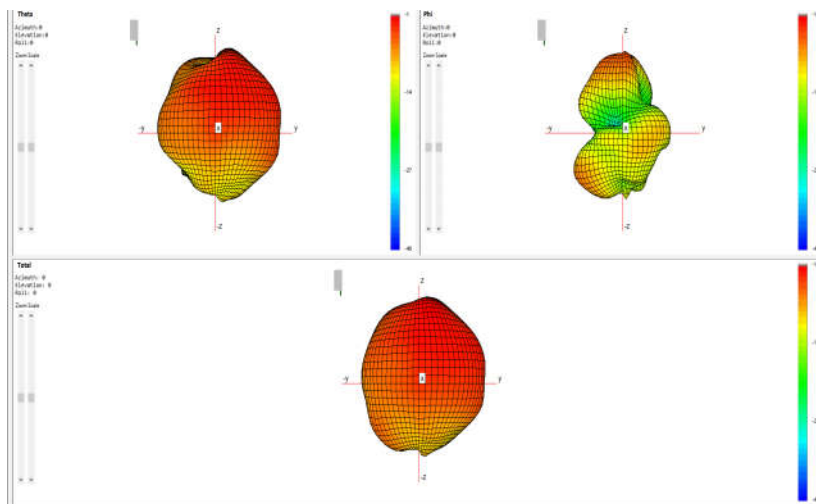
## 1. Peak Gain

### ANT3

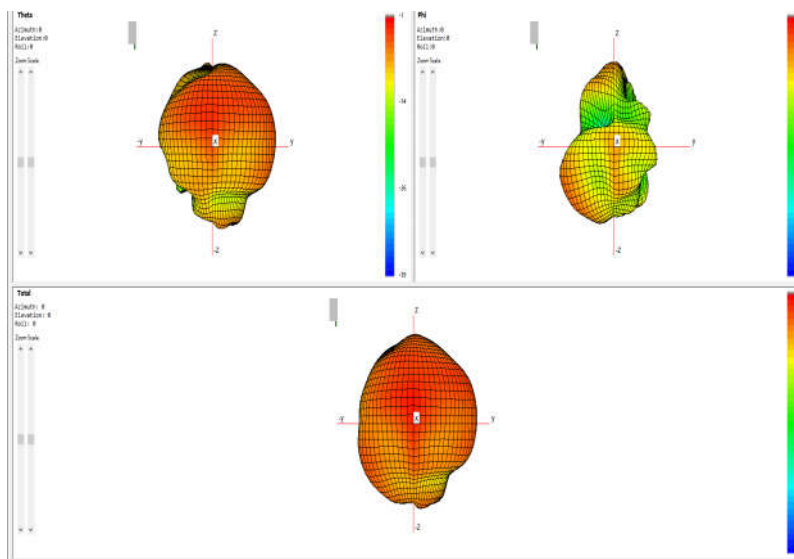
Antenna type: MDA (LOOP)

| GPS/WLAN Peak Gain (dBi) | Peak Gain(dBi) |
|--------------------------|----------------|
| 5150~5250MHz             | -3.37          |
| 5250~5350MHz             | -3.11          |
| 5470~5725MHz             | -3.11          |
| 5725~5850MHz             | -3.11          |

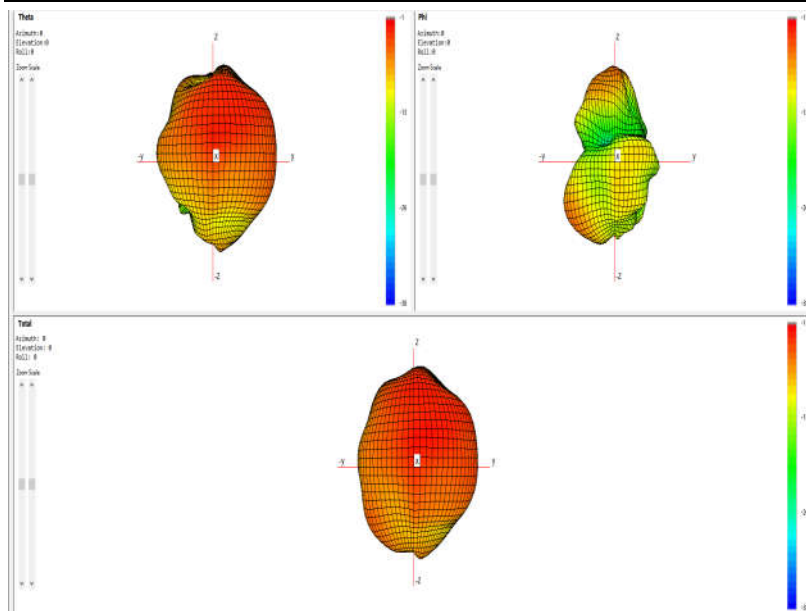
### 5200MHz



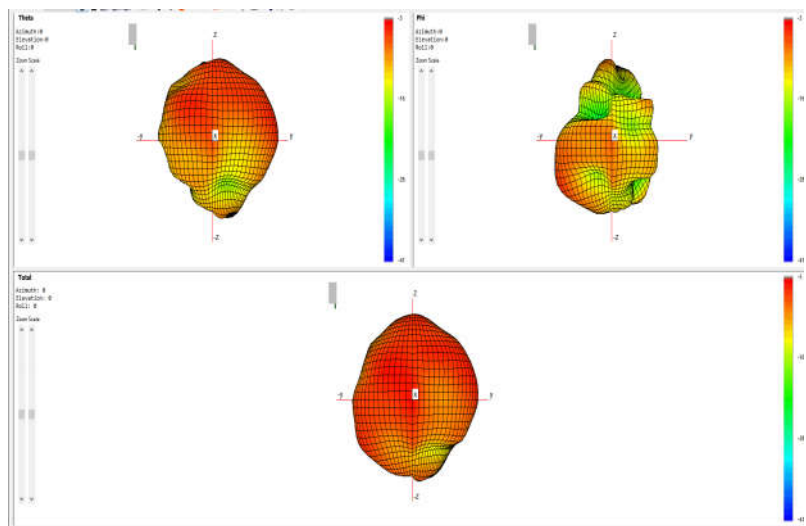
### 5400MHz



### 5600MHz



**5800MHz**



## ANT6

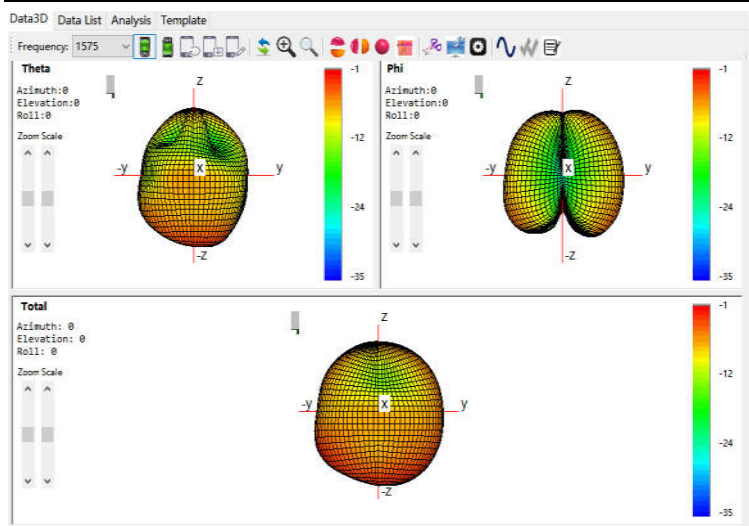
Antenna type: MDA (IFA)

| GPS/WLAN/BT Peak Gain (dBi) |       |              |       |
|-----------------------------|-------|--------------|-------|
| 1550-1650MHz                | -0.53 | 2400-2500MHz | -1.96 |

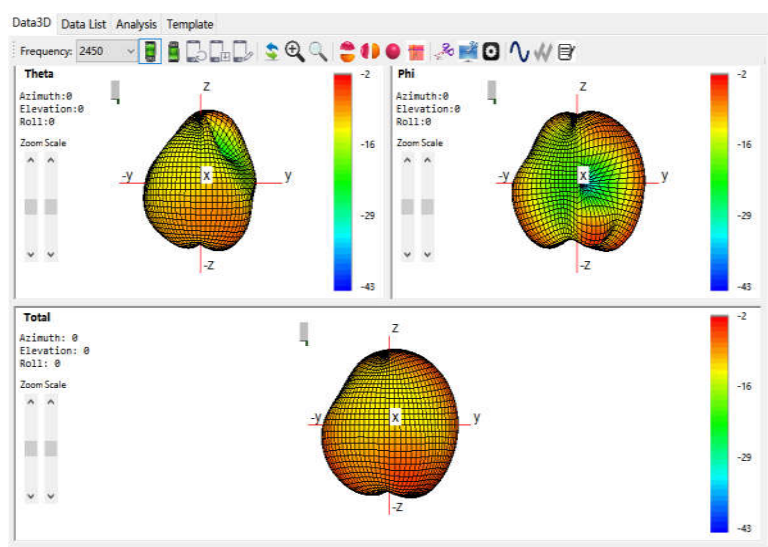
Antenna gain was measured in the anechoic chamber, 3D scan was exercised, and the highest numbers are reported in this document

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

GPS (1575 MHz)



## BT/WIFI 2.4G (2450 MHz)



### 2. Antenna Manufacturer and address

Manufacturer: Dongguan Huayu Precision Technology Co., Ltd  
Address: No. 2, Fengtian Road, Tangxia Town, Dongguan City  
Province

### 3. Test instrument and calibration date

4. GTS 2800 calibration date: 20240117 due data: 20250117
5. CMW500 calibration date: 20240123 due data: 20250123
6. Keysight E5071C calibration date: 20240111 due data: 20250111
7. Test engineer signature

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### 8. NFC Antenna type : LOOP

### 9. Test software

GTS2800