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# Antenna Reports

Test lab: Speed-hz lab

Issue date: 2025/09/24

## ANT0

Antenna type: LDS ( IFA )

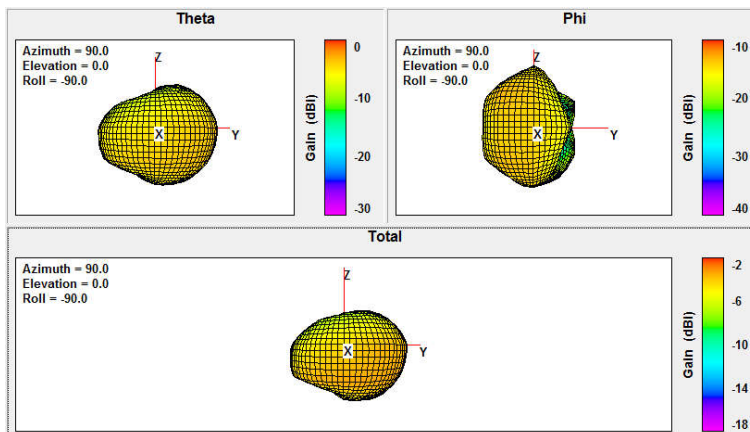
Antenna model: EB1241

| WWAN GSM Peak Gain (dBi) |      |                |             |
|--------------------------|------|----------------|-------------|
| <b>G850</b>              | -2.4 | <b>G900</b>    | <b>-3.5</b> |
| <b>GSM1800</b>           | 0.82 | <b>GSM1900</b> | <b>0.26</b> |

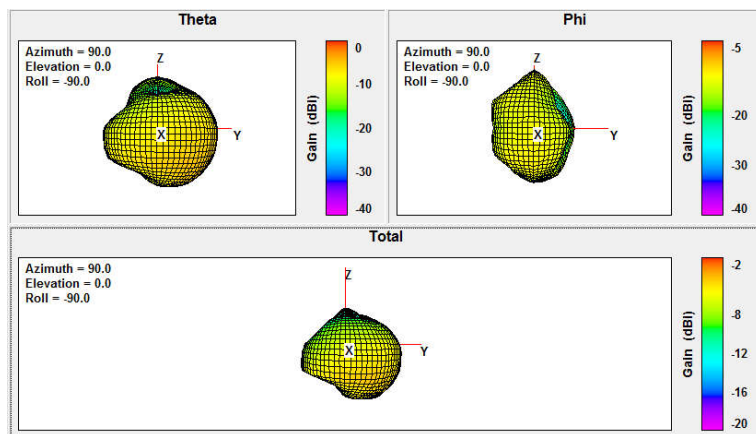
| WWAN WCDMA Peak Gain (dBi) |      |                 |             |
|----------------------------|------|-----------------|-------------|
| <b>WB1</b>                 | 0.94 | <b>WB2</b>      | <b>0.26</b> |
| <b>WB4</b>                 | 0.82 | <b>WB5(850)</b> | <b>-2.4</b> |
| <b>WB8</b>                 | -3.5 |                 |             |

| WWAN LTE Peak Gain (dBi) |      |            |      |
|--------------------------|------|------------|------|
| <b>B1</b>                | 0.94 | <b>B2</b>  | 0.26 |
| <b>B4</b>                | 0.82 | <b>B5</b>  | -2.4 |
| <b>B8</b>                | -3.5 | <b>B12</b> | -2.2 |
| <b>B18</b>               | -3.2 | <b>B19</b> | -2.5 |
| <b>B28</b>               | -1.2 | <b>B3</b>  | 0.82 |
| <b>B39</b>               | 0.26 |            |      |

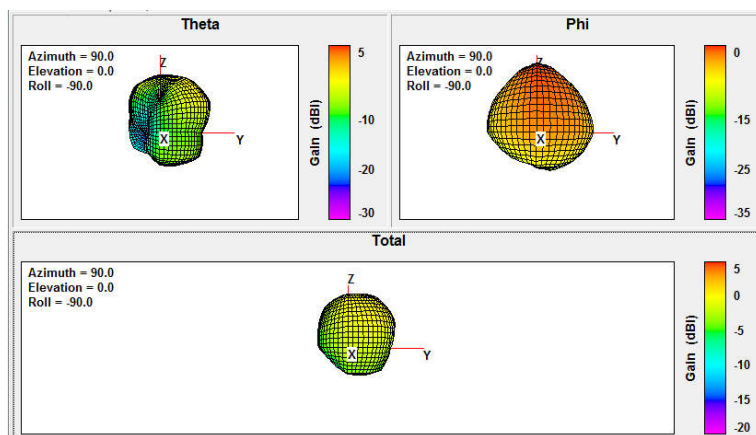
### G850/W5/B5 (850)



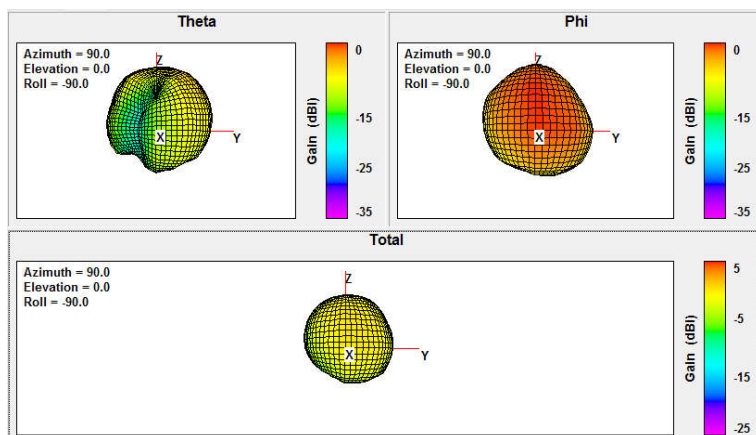
### G900/W8/B8 (920)



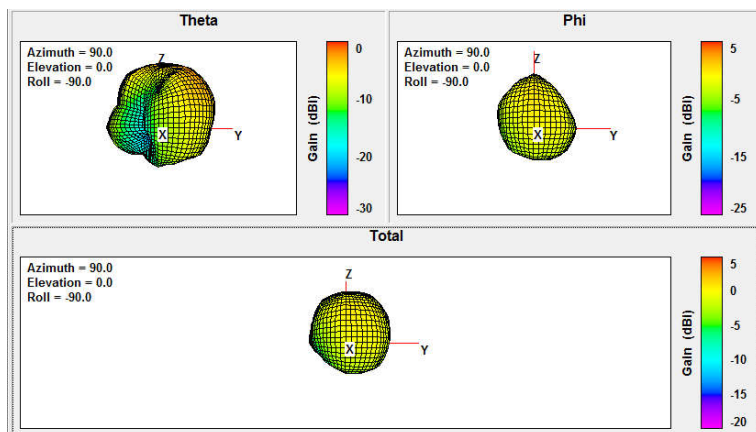
### G1800/B3 (1750)



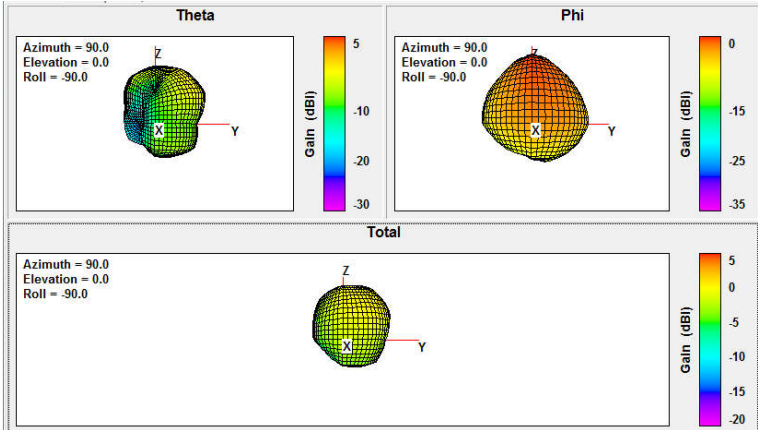
### G1900/W2/B2 (1910)



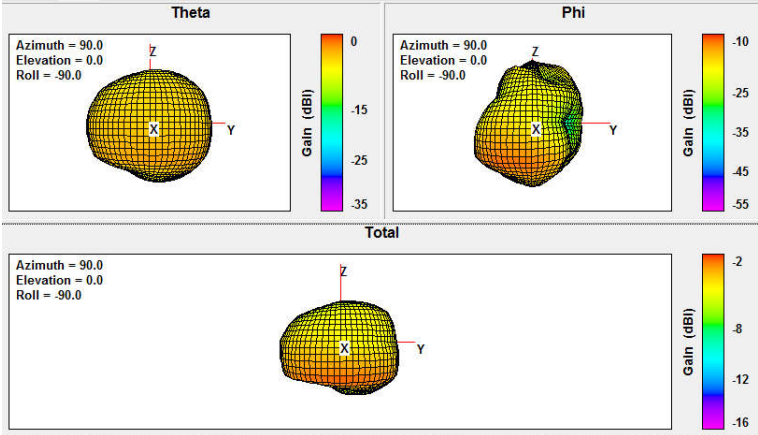
### W1/B1 (1980)



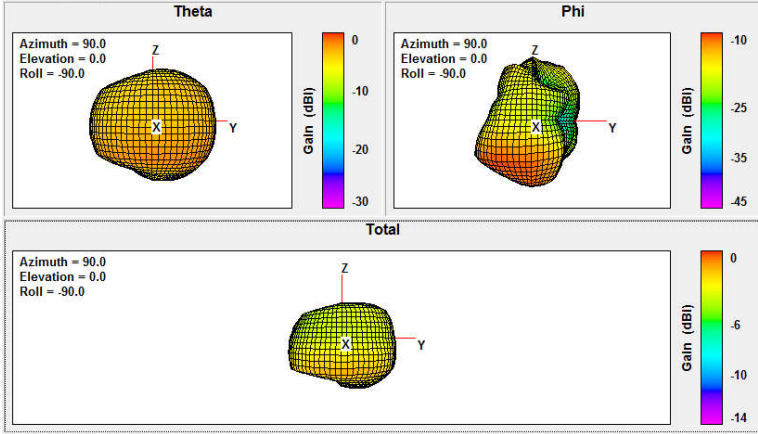
W4/B4/ (1750)



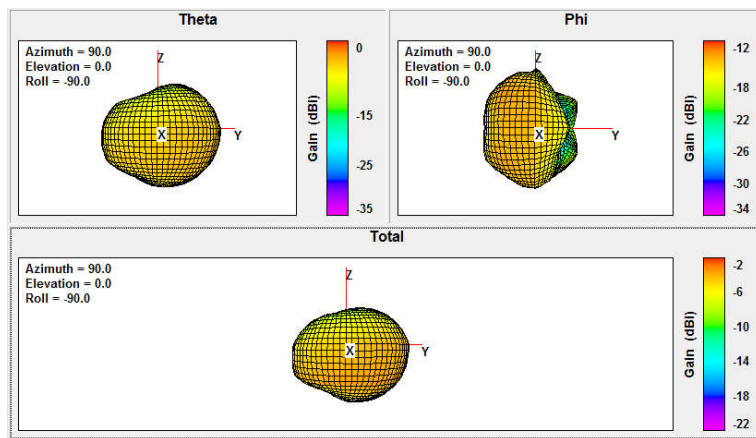
B12 (710)



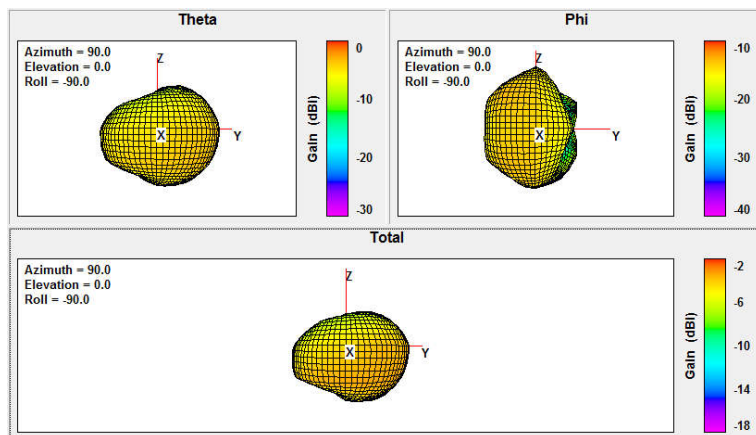
B28 (740)



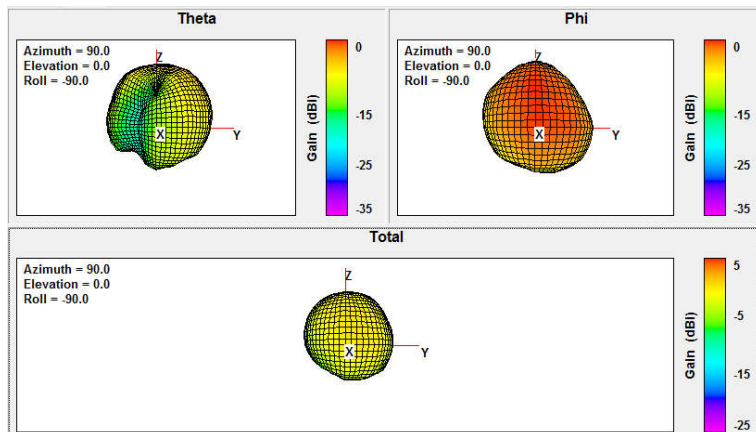
B18 (830)



**B19 (850)**



**B39 (1910)**



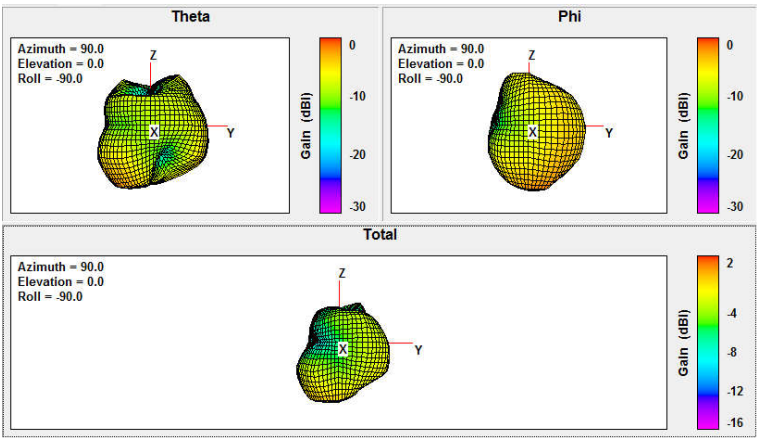
ANT1

Antenna type: LDS(IFA)

Antenna model: EB1241

| WWAN LTE Peak Gain (dBi) |     |     |     |
|--------------------------|-----|-----|-----|
| B38                      | 0.2 | B41 | 0.2 |

B38/B41 (2520)



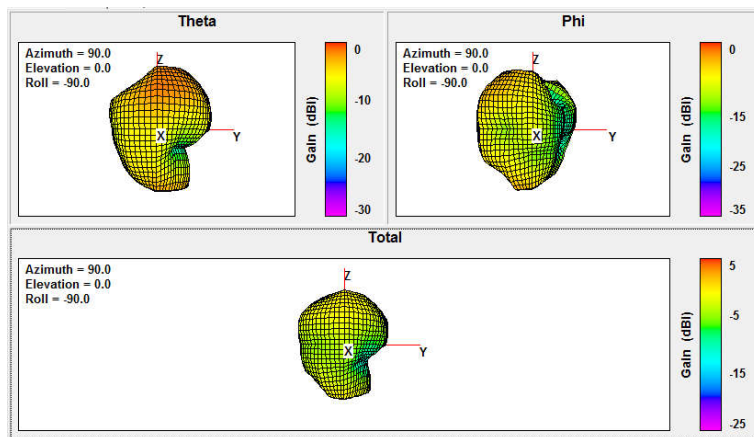
ANT3

Antenna type: LDS (IFA)

Antenna model: EB1241

| WWAN LTE Peak Gain (dBi) |      |  |   |
|--------------------------|------|--|---|
| B42                      | 0.06 |  |   |
|                          |      |  | — |

## B42 (3600)



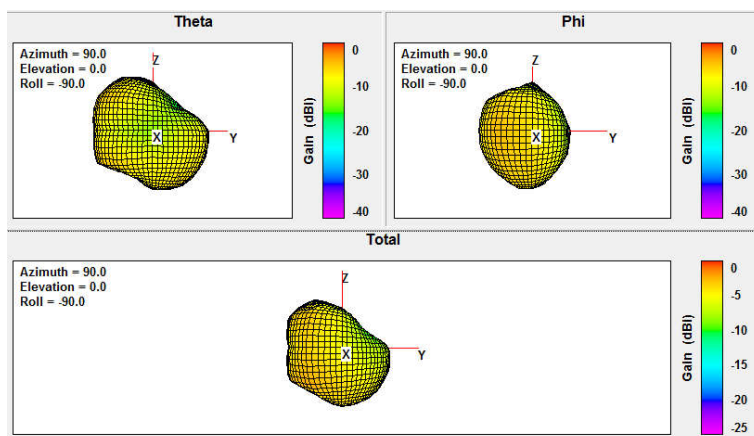
## ANT4

Antenna type: LDS (IFA)

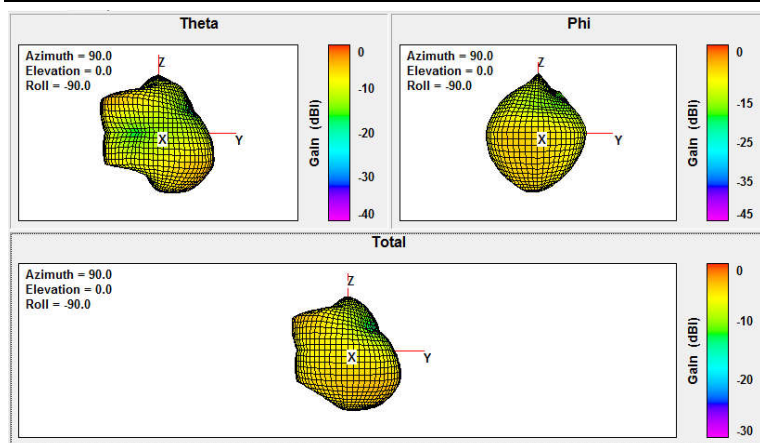
Antenna model: EB1241

| WWAN LTE Peak Gain (dBi) |       |           |       |
|--------------------------|-------|-----------|-------|
| <b>B1</b>                | -1.98 | <b>B3</b> | -1.36 |
|                          |       |           |       |

## B3 (1760)



## B1 (1980)



## ANT6

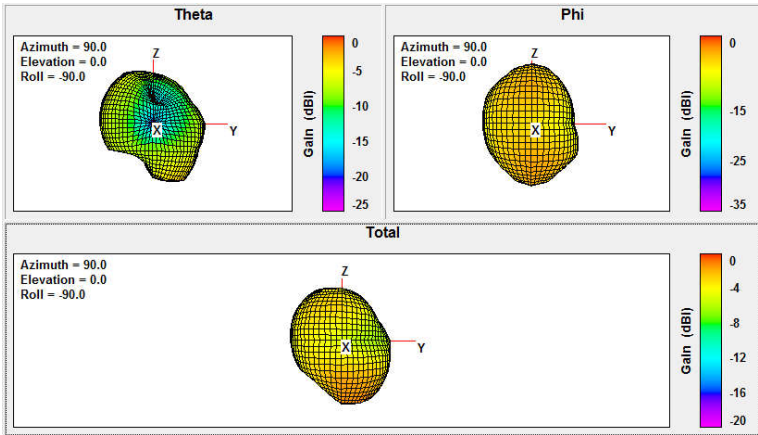
Antenna type: LDS (IFA)

Antenna model: EB1241

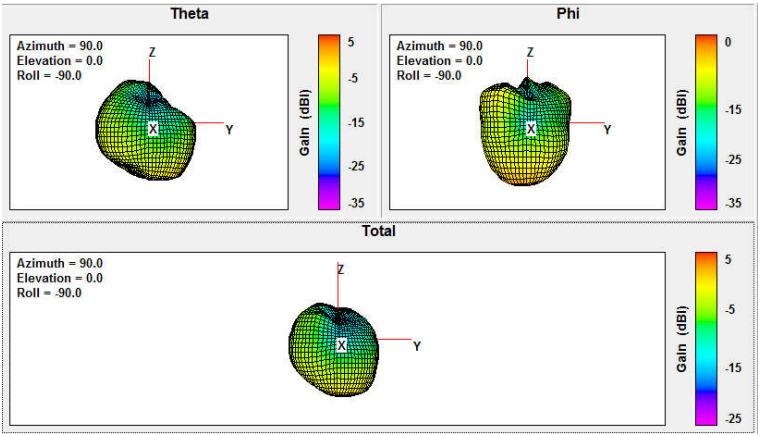
| GPS/WLAN Peak Gain (dBi) |      |              |      |
|--------------------------|------|--------------|------|
| 1550-1650MHz             | -1.0 | 2400-2500MHz | 0.54 |

| WLAN Peak Gain (dBi) | Peak Gain(dBi) |
|----------------------|----------------|
| 5150~5250MHz         | -1.5           |
| 5250~5350MHz         | -0.68          |
| 5470~5725MHz         | 1.06           |
| 5725~5850MHz         | 0.53           |

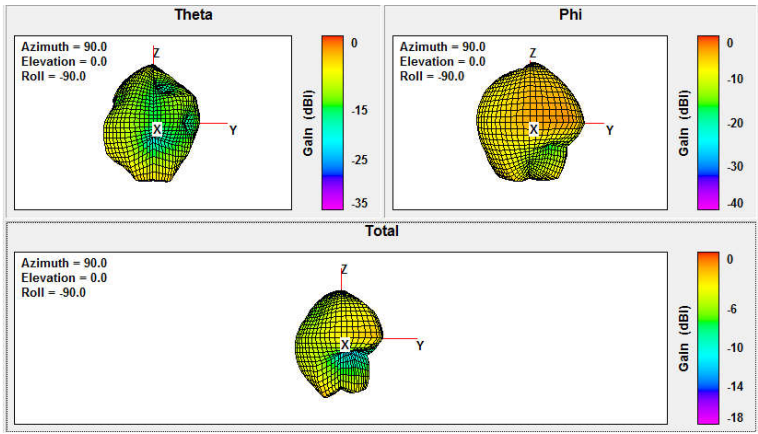
GPS



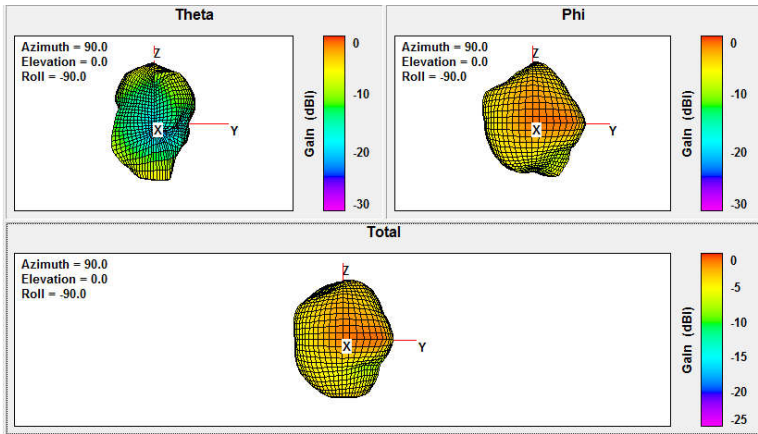
WIFI 2.4G (2470MHz)



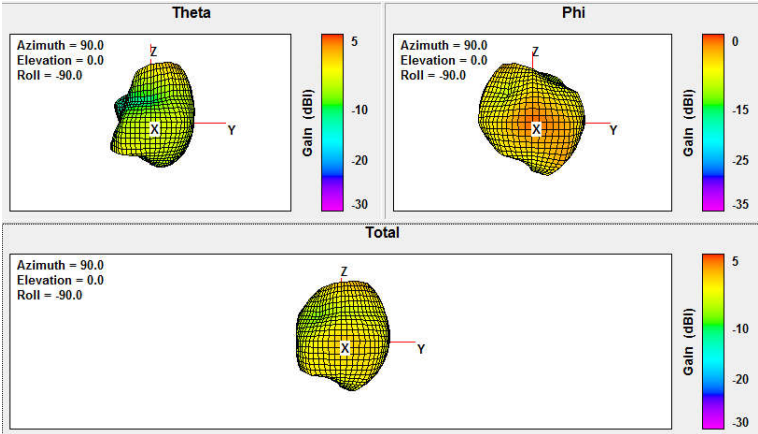
5250MHz



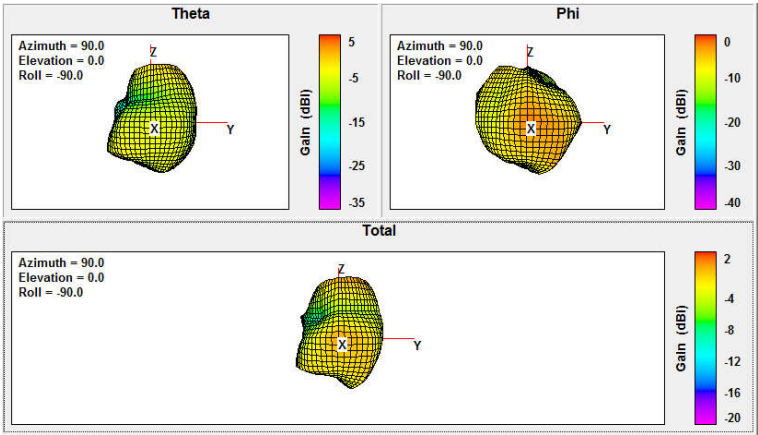
5350MHz



5700MHz



5750MHz



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## ANT8 NFC

### Antenna type : LOOP antenna

Size: 35\*32\*2.5mm

1.  
Antenna Manufacturer and Address:  
Antenna Manufacturer:Huizhou Speed Wireless Technology Co.,Limited  
Address: No. 138, Huize Avenue, Dongjiang High-tech Industrial Park, Zhongkai High-tech Zone, Huizhou City, Guangdong Province
2. Antenna Type: IFA
3. Testing Instruments and Calibration Dates  
KEYSIGTH: E5071C Test Setup Calibration Date: 20250620 Validity until:20260619.  
ETS Calibration Date: 20250415 Validity until:20260414.  
MT8820C Setup Calibration Date: 20250316 Validity until:20260315.  
Satimo Calibration Date: 20250403 Validity until:20260402.  
E4438C Test Setup Calibration Date: 20250522 Validity until:20260521.  
GTS rayzone 1800 Calibration Date: 20250609 Validity until:20260608.  
E7515E Calibration Date: 20250322 Validity until:20260321.  
GTS 2800 Calibration Date: 20251025 Validity until:20261024.  
CMW500 Test Setup Calibration Date: 20250611 Validity until:20260610.
4. Testing Software Licence  
(1) EMQuest Licences From 20240506 To 20270505  
(2) Wave studio 1.8.11 Licences From 20231012 To 20261011  
(3) GTS rayzone 1800 Licences From 20241211 To 20271210  
(4) C8700200A Licences From 20250103 To 20280102  
(5) GTS2800 Licences From 20241123 To 20271122
5. Test Engineer Signature



Test Engineer: Huahua Hu