

GALTRONICS

WHEN CONNECTIONS COUNT

Test date: 2023/05/23
Test personnel :Susie Li

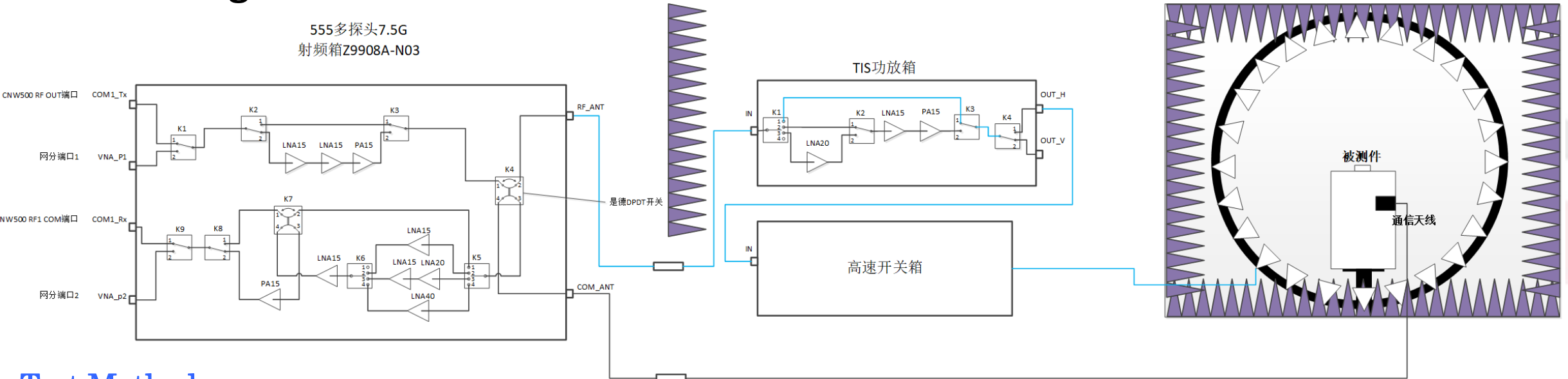


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Chamber Info.

➤ Test Configuration and Test Method



Test Method

The “great circle” cut method, whereby the Measurement Antenna remains fixed and the EUT is rotated about two axes in sequential order. The radiated RF performance of the Equipment Under Test (EUT) is measured by sampling the radiated transmit power of the mobile at various locations surrounding the device. A three-dimensional characterization of the 'transmit' performance of the EUT is pieced together by analyzing the data from the spatially distributed measurements.

Data points taken every 15 degrees in the theta and in the phi axes are deemed sufficient to fully characterize the EUT's Far-Field radiation pattern and total radiated power All of the measured power values will be integrated.

Chamber Info.

➤ Measurement equipment

| Instrument | Manufacturer | Model No. | Asset No. | Cali. Interval | Cali. Due Date |
|----------------------|--------------|------------|------------|----------------|----------------|
| ENA Network Analyzer | KEYSIGHT | E5071C | MY46730234 | 1 Year | 2023/7/27 |
| RF Switch Box | HWA-TECH | Z9916A-NO1 | N/A | / | / |
| SP24 Chamber | HWA-TECH | 555 | N/A | / | / |
| Horn Antenna | HWA-TECH | TN3112 | N/A | / | / |

Name and address of the antenna manufacture



Galtronics Electronics (Wuxi) Co.

No. 1, Xishi Road, Wuxi New District Jiangsu Province 214028, China

Gain summary

| 2G | Freq(MHz) | Peak Gain(dBi) |
|----|-----------|----------------|
| | 2400 | 2.15 |
| | 2450 | 1.98 |
| | 2500 | 1.96 |

| DB1 | Freq(MHz) | Peak Gain(dBi) |
|-----|-----------|----------------|
| | 2400 | 1.85 |
| | 2450 | 2.21 |
| | 2500 | 2.17 |

| DB2 | Freq(MHz) | Peak Gain(dBi) |
|-----|-----------|----------------|
| | 2400 | 1.80 |
| | 2450 | 2.23 |
| | 2500 | 2.29 |

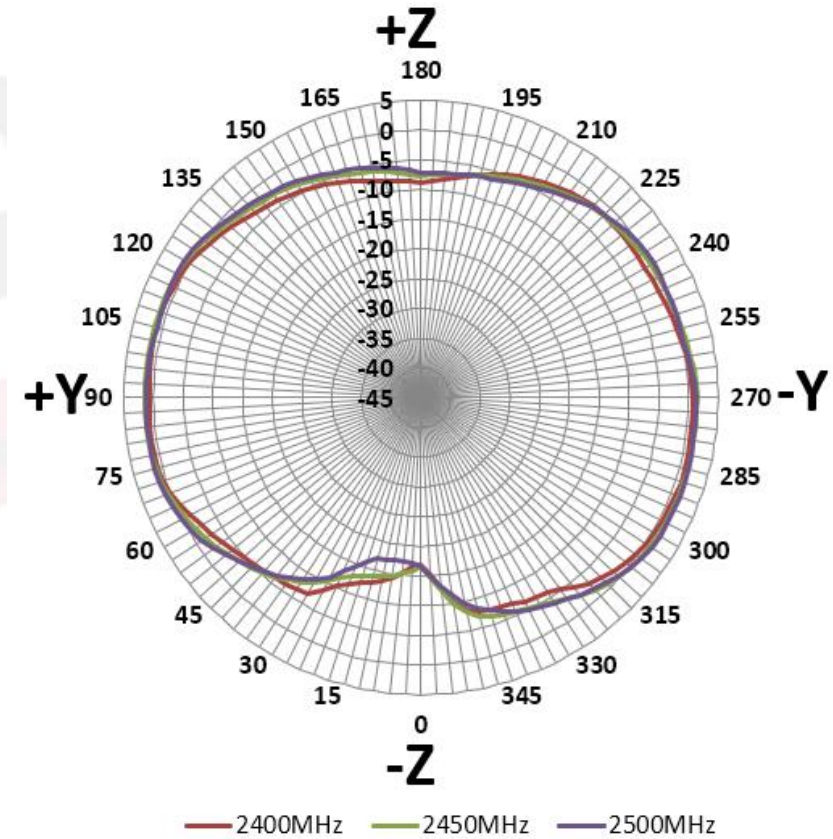
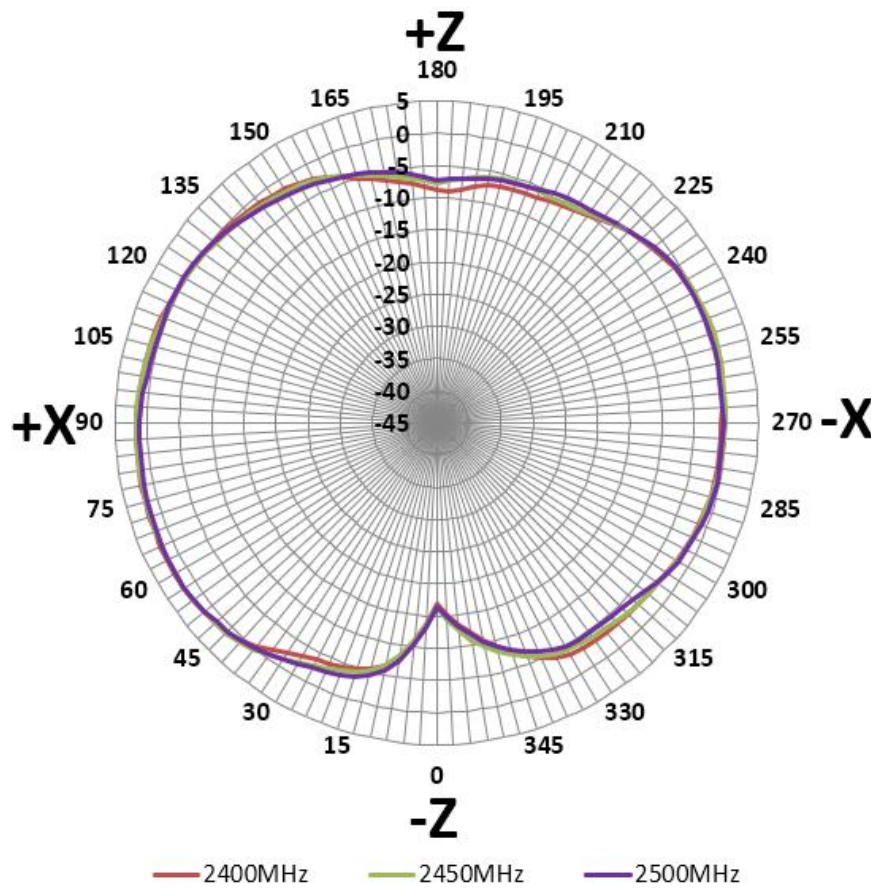
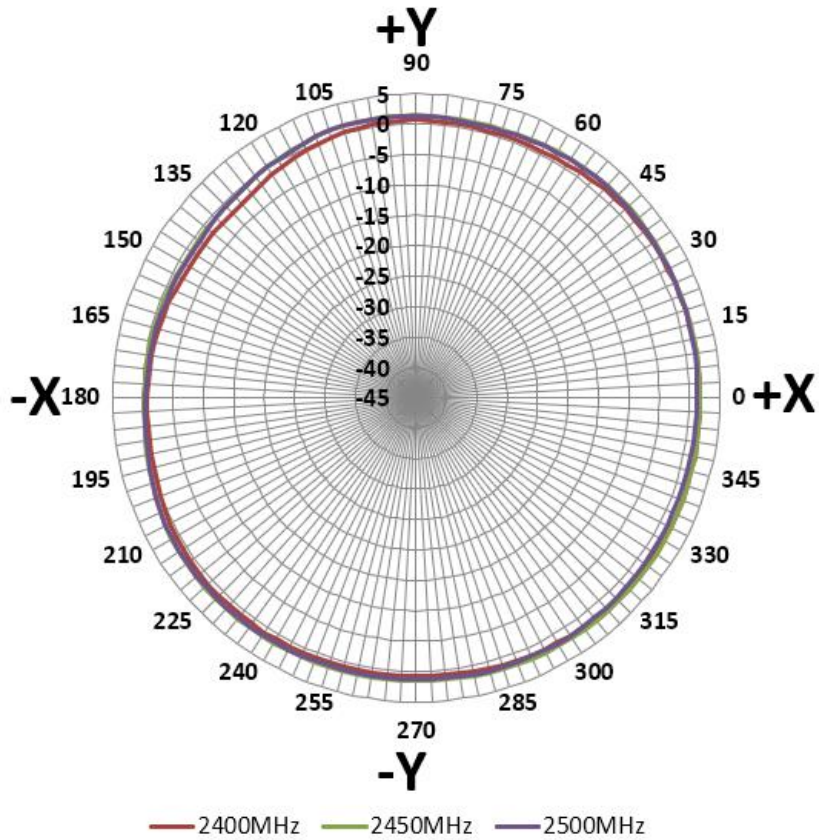
| 5G1 | Freq(MHz) | Peak Gain(dBi) |
|-----|-----------|----------------|
| | 5150 | 2.38 |
| | 5550 | 2.65 |
| | 5850 | 2.69 |

| DB1 | Freq(MHz) | Peak Gain(dBi) |
|-----|-----------|----------------|
| | 5925 | 2.85 |
| | 6525 | 2.89 |
| | 7125 | 2.93 |

| DB2 | Freq(MHz) | Peak Gain(dBi) |
|-----|-----------|----------------|
| | 5925 | 2.98 |
| | 6525 | 2.87 |
| | 7125 | 2.99 |

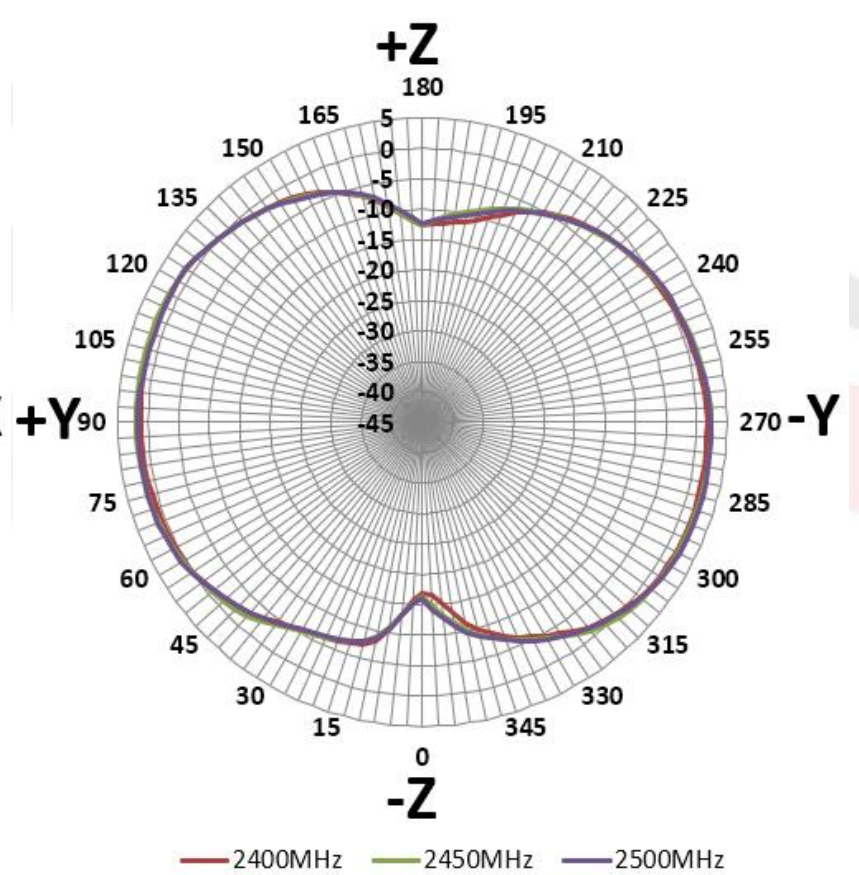
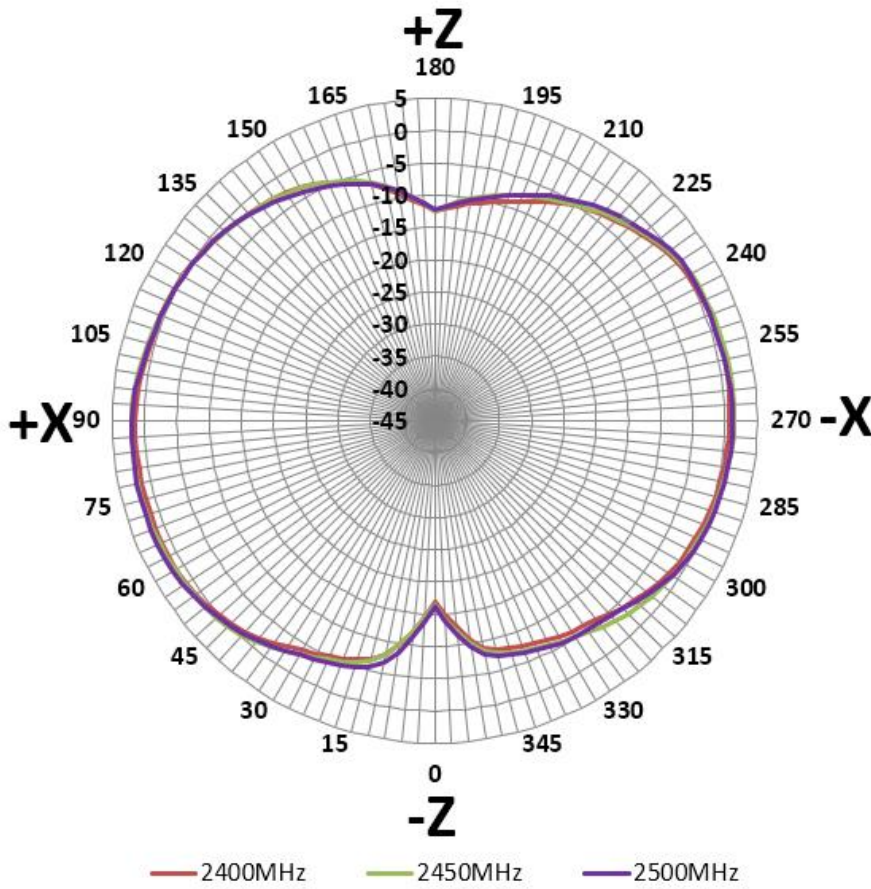
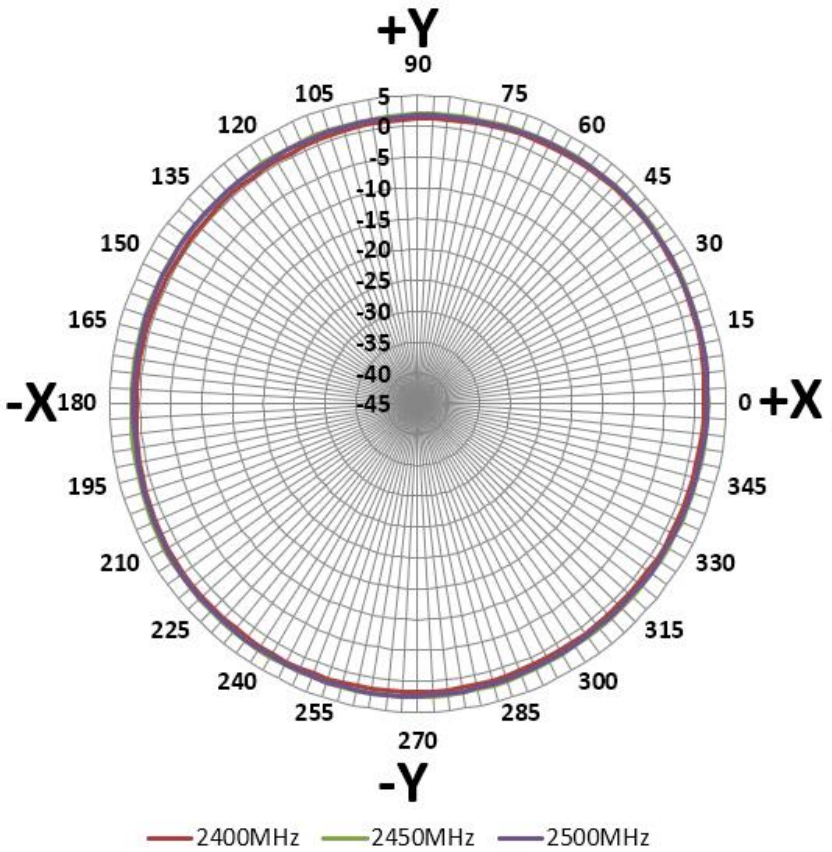
| 5G2 | Freq(MHz) | Peak Gain(dBi) |
|-----|-----------|----------------|
| | 5150 | 2.49 |
| | 5550 | 2.81 |
| | 5850 | 2.54 |

Power Sum-2.4GHz Band



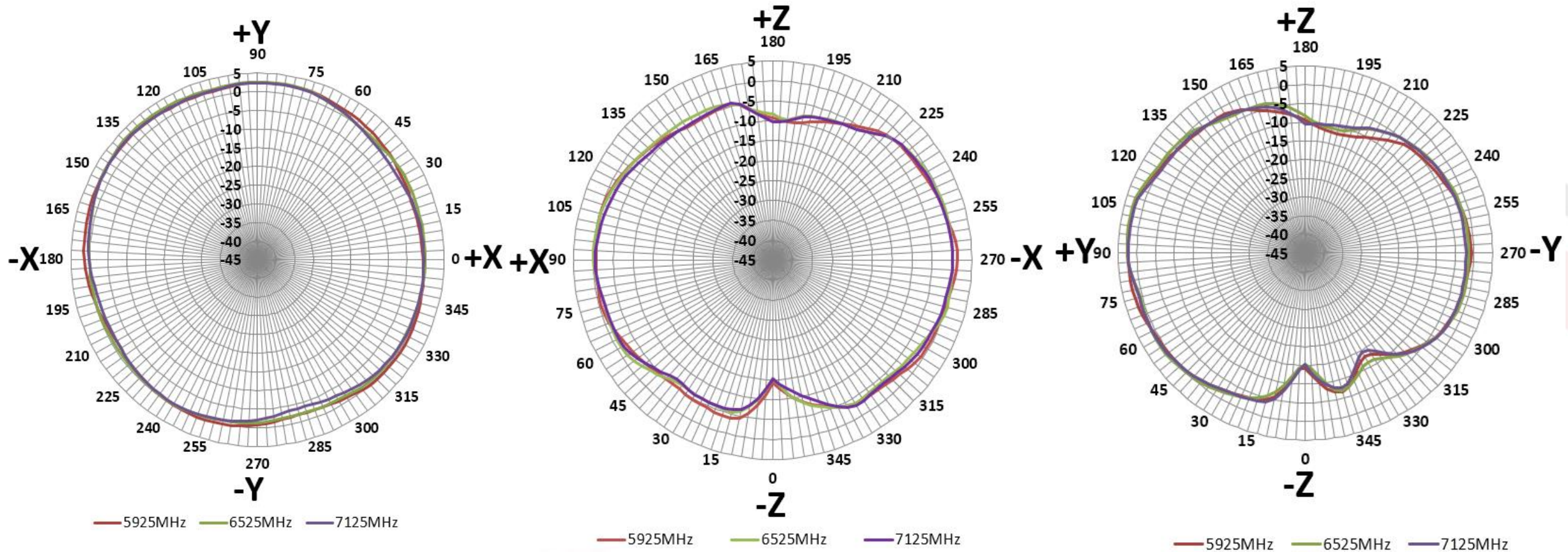
2G

Power Sum-2.4GHz Band



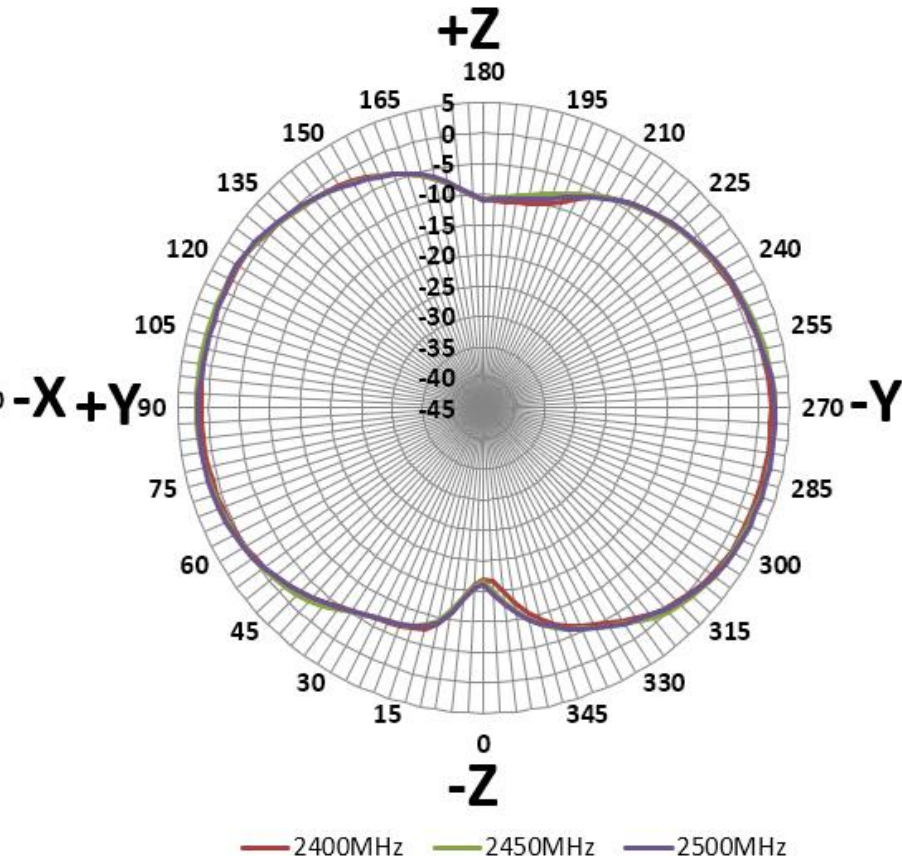
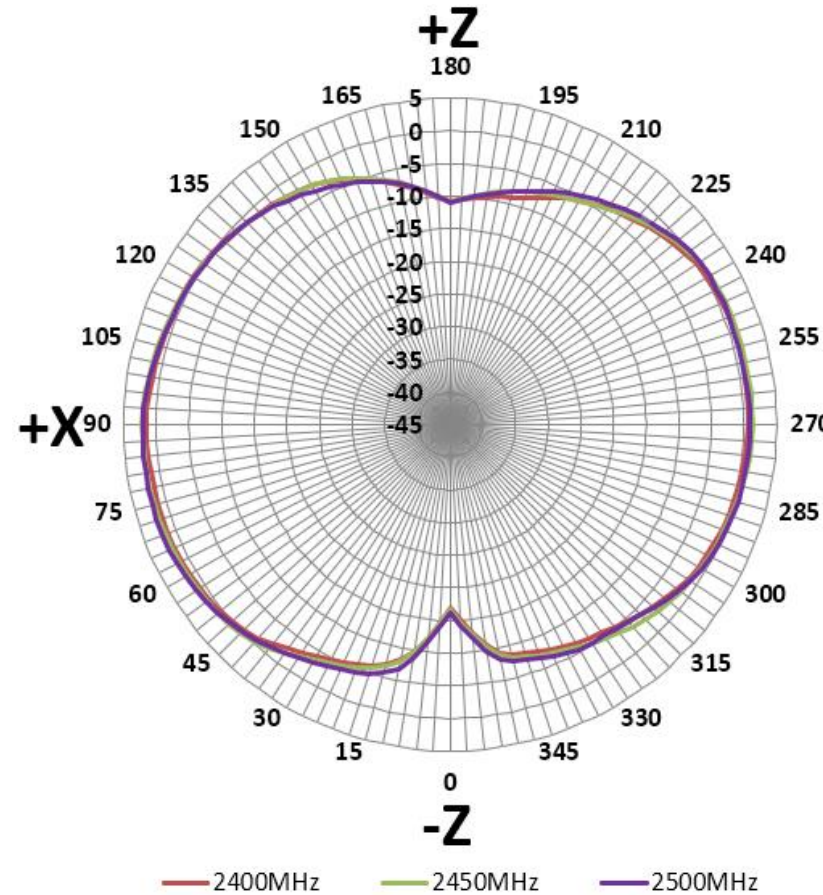
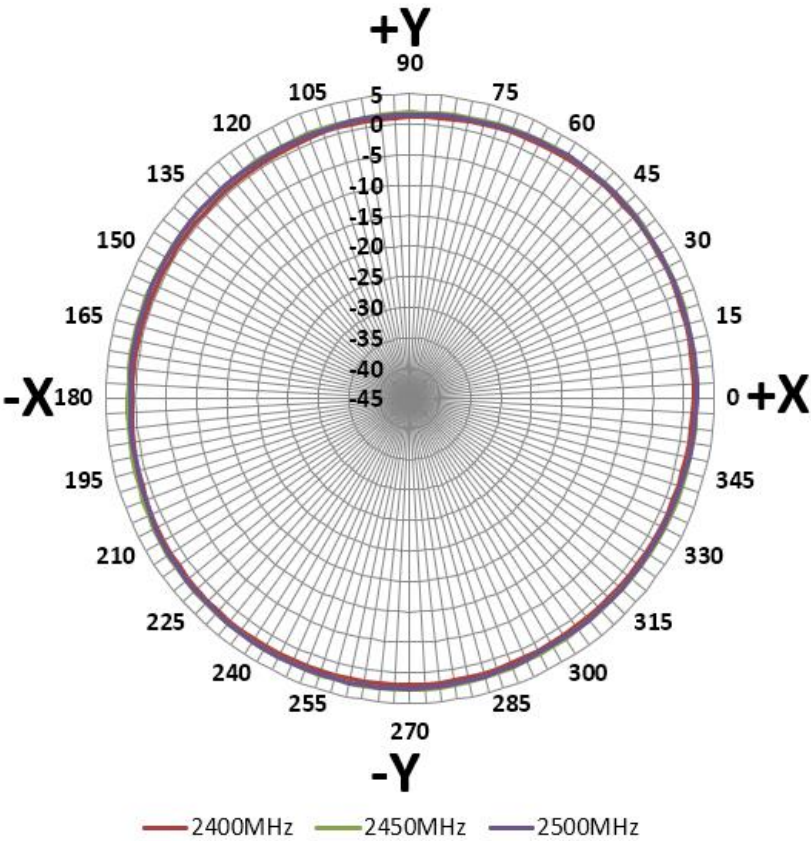
DB1

Power Sum-6GHz Band



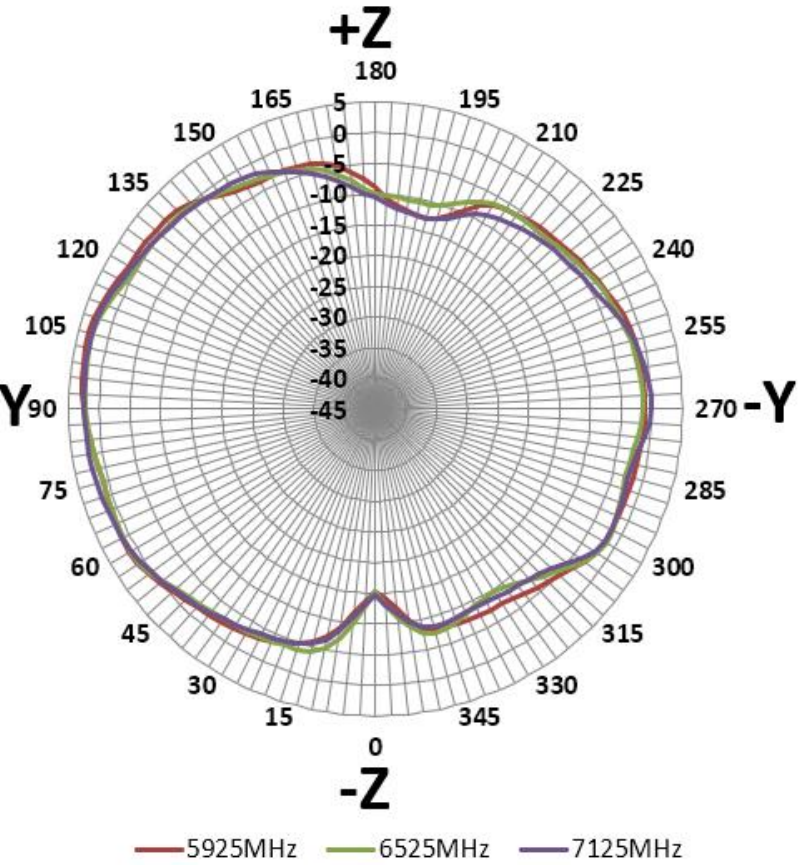
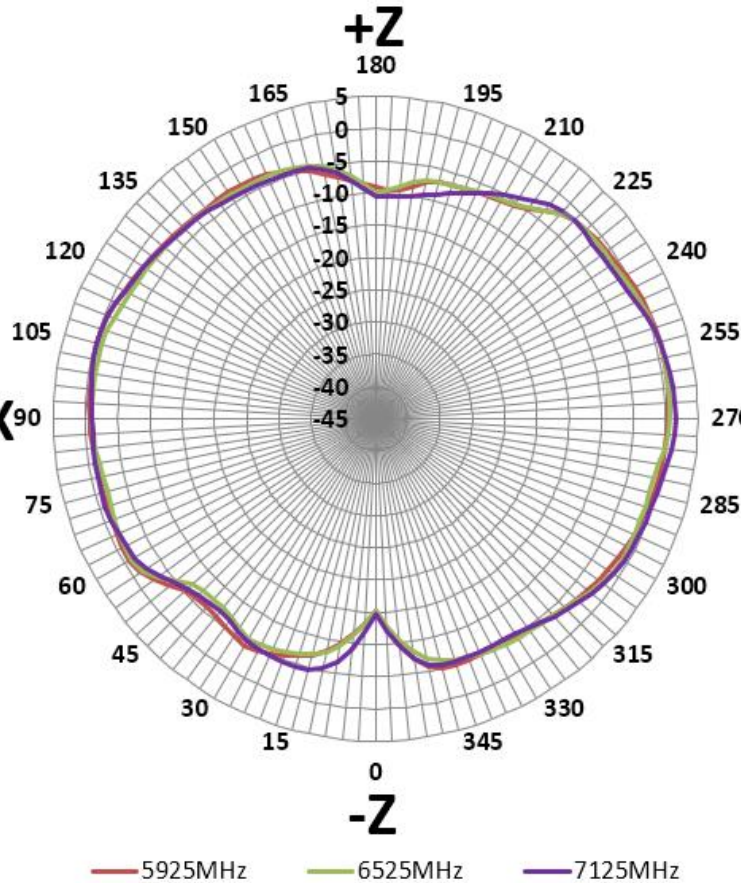
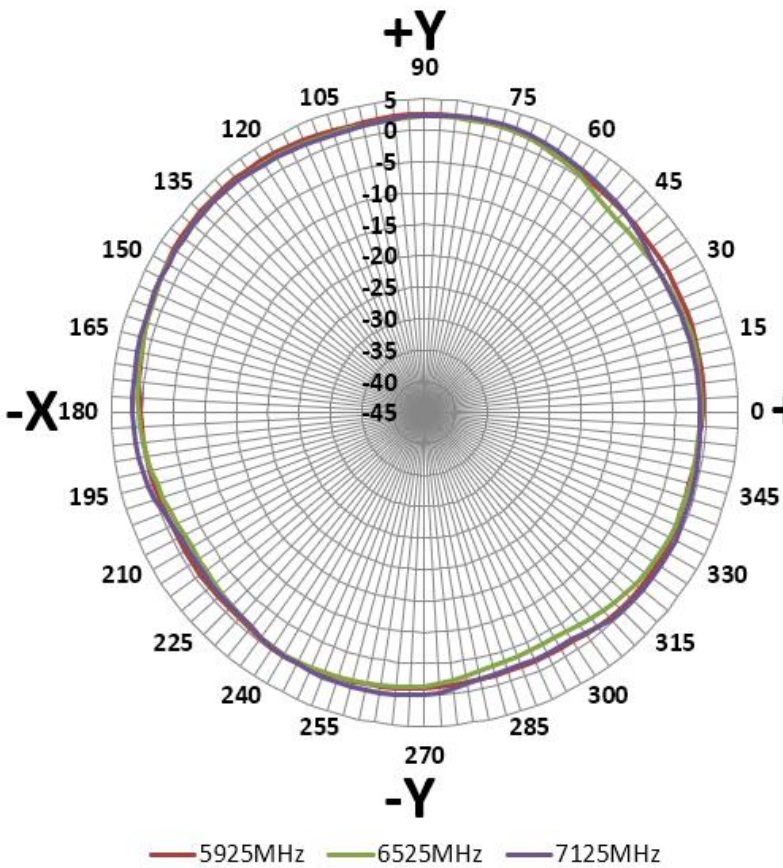
DB1

Power Sum-2.4GHz Band



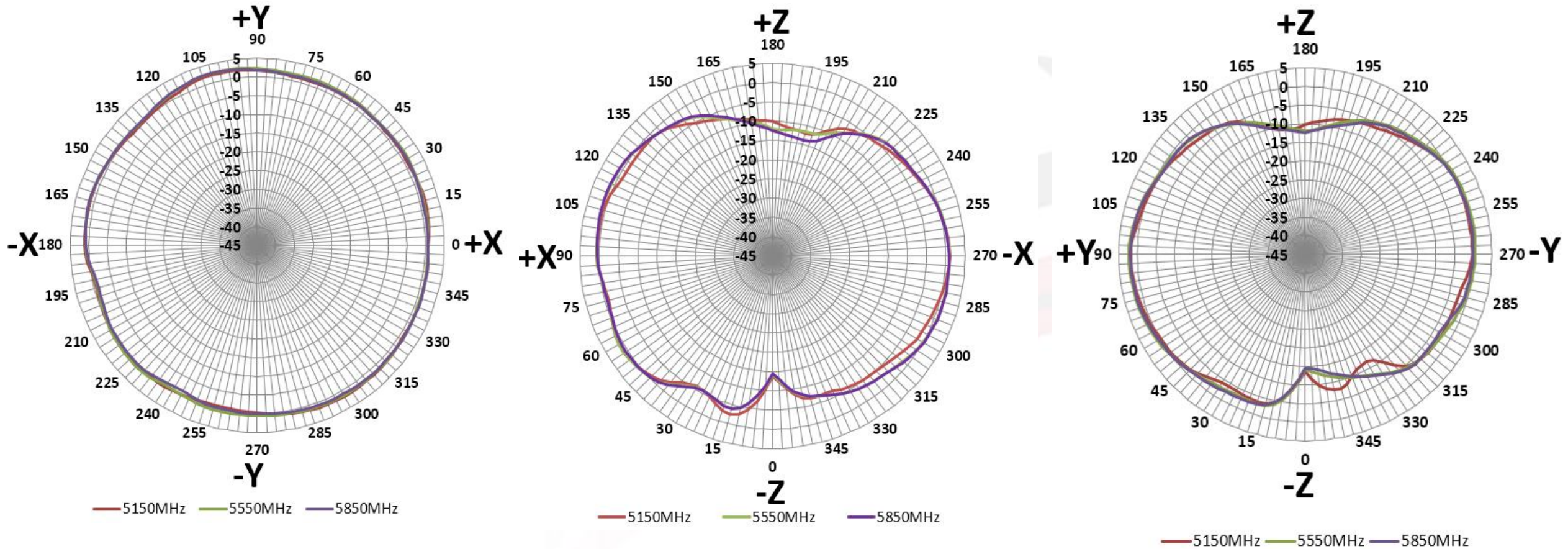
DB2

Power Sum-6GHz Band



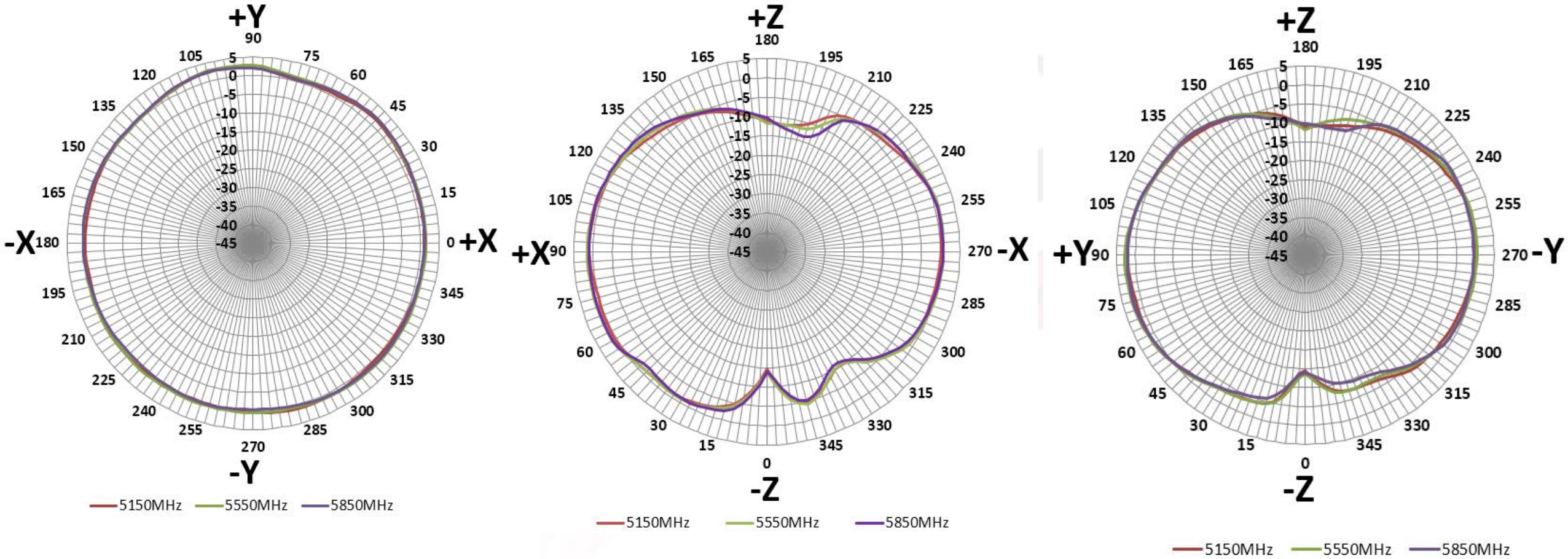
DB2

Power Sum-5GHz Band



5G1

Power Sum-5GHz Band



5G2