

## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5



### Key Features

- Supports 5G NR / 4G LTE / 3G UMTS Bands
- Covers 617 MHz to 4700 MHz for global cellular compatibility
- Supports Wi-Fi 7 (2.4 GHz, 5 GHz, and 6 GHz bands)
- GNSS support for GPS bands L1, L2, and L5
- High-efficiency omnidirectional radiation patterns
- IP67 rated for waterproof and dustproof protection
- Compact low-profile puck design for easy installation

### Additional Considerations

- Suitable for IoT/M2M, smart utilities, transportation, marine, and agricultural applications
- Customisable cable lengths and connector types available upon request
- High isolation between antennas to maintain signal integrity.

### General Description

The Tango 55 is a high-performance 7-in-1 MIMO antenna system tailored for IoT/M2M, smart utilities, transportation, marine, and agricultural applications.

It features four 5G/LTE ports covering 617 MHz to 4700 MHz, supporting all major global 4G and 5G bands. Additionally, it includes two Wi-Fi ports supporting dual-band 2.4GHz, 5GHz, and 6GHz for compatibility with Wi-Fi 7 (802.11ax), providing high-speed, concurrent data transfer (3 port option available). The GNSS port covers GPS bands L1, L2, and L5 for precise location tracking.

The Tango 55 excels with its optimised design, offering excellent omnidirectional radiation patterns, high efficiency and an IP67 rated enclosure. This antenna is ideal for applications demanding high-speed data throughput and reliable connectivity. Additional configurations are available to meet specific needs, with details provided at the end of this datasheet.

|                     |                    |                   |                    |                    |
|---------------------|--------------------|-------------------|--------------------|--------------------|
| T<br>Through        | MIMO<br>Antenna    | 5G<br>New Radio   | 4G<br>LTE          | 3G<br>UMTS         |
| 2G<br>GSM           | IEEE<br>802.15.4   | ISM<br>868        | ISM<br>915         | ISM<br>2.4G        |
| ISM<br>5.8G         | WiFi<br>2.4G & 5G  | WiFi 4<br>802.11n | WiFi 5<br>802.11ac | WiFi 6<br>802.11ax |
| WiFi 6e<br>802.11ax | WiFi 7<br>802.11be | WLAN<br>2400      | WLAN<br>5800       | GPS<br>Position    |
| GNSS<br>Position    | IP<br>67           |                   |                    |                    |

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### Electrical Specifications

|                           |                                      |
|---------------------------|--------------------------------------|
| Impedance:                | 50 Ohm                               |
| Polarization:             | Vertical                             |
| Max input power:          | 10 W                                 |
| Ground plane independent: | No (tested on 400 mm Ø ground plane) |

### Environmental Specifications

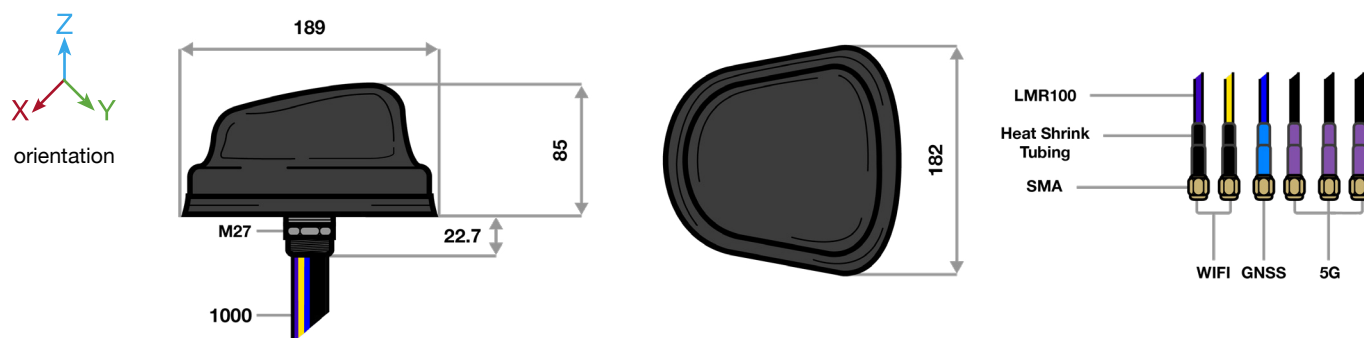
|                              |                  |
|------------------------------|------------------|
| Operating temperature range: | -40 °C to +80 °C |
| Storage temperature range:   | -40 °C to +80 °C |

### Mechanical Specifications

|                    |                                           |
|--------------------|-------------------------------------------|
| Dimensions:        | 189 mm Length, 182 mm Width, 85 mm Height |
| Weight:            | 10 g                                      |
| Connector:         | SMA Male / RP-SMA Male                    |
| Mounting method:   | Through-hole/Screw Mount                  |
| Housing materials: | PC/ABS                                    |

### GNSS Specifications

|                      |                                                |
|----------------------|------------------------------------------------|
| Frequency:           | GPS L1, L2, L5<br>Galileo E5a, E5b, E1-I, E1-Q |
| Noise Figure:        | ≤2.0dB                                         |
| Supply Voltage:      | 3~12V DC                                       |
| Current Consumption: | ≤60mA                                          |
| Impedance:           | 50Ω                                            |
| Polarization:        | RHCP                                           |

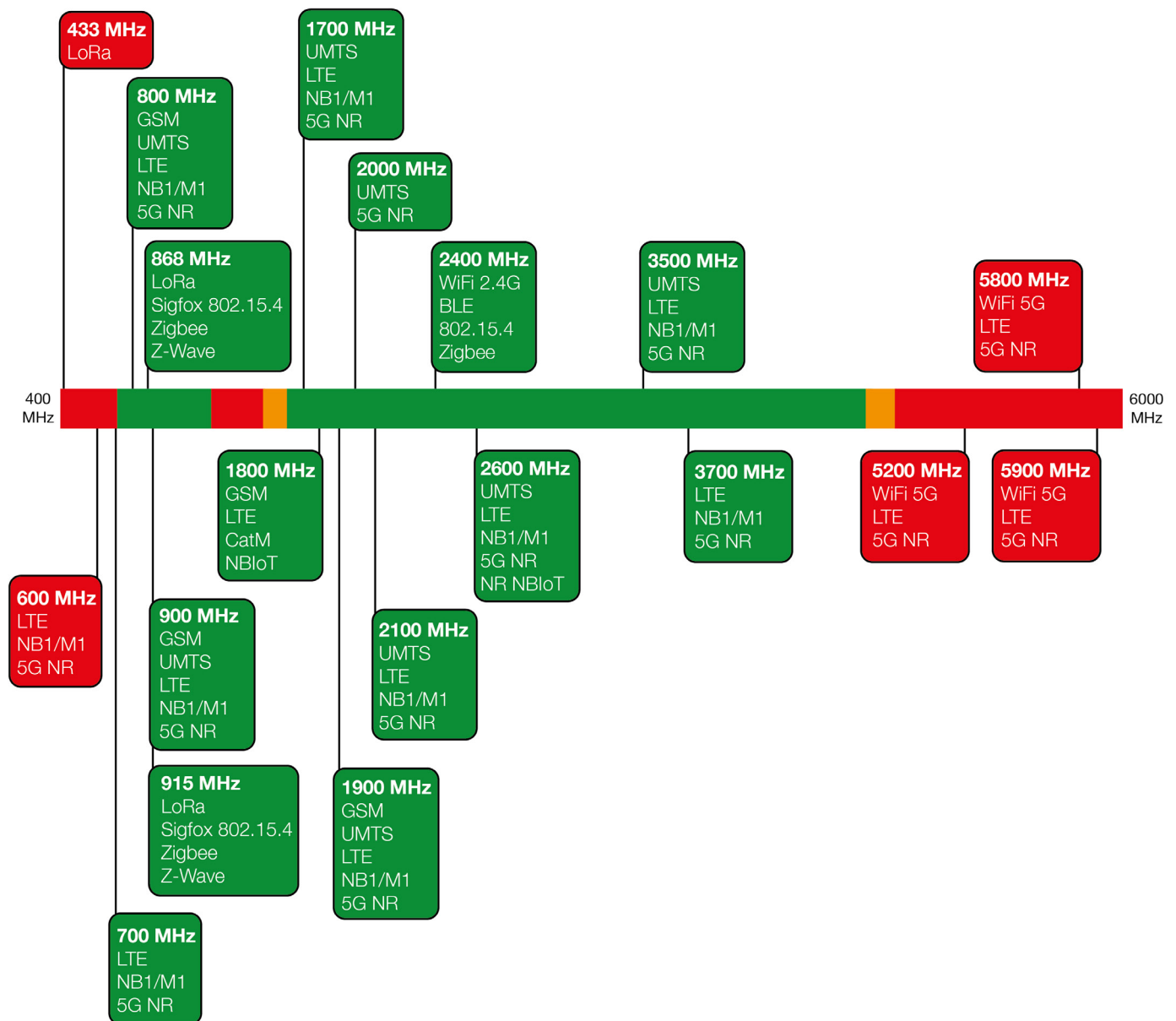




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### Spectrum Coverage [ 5G/4G Ports ]



● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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### Cellular Standards Band Support [ 5G/4G Ports ]

| GSM (2G) Band | UMTS (3G) Band | E-UTRA (4G) Band | Cat M E-UTRA Band | Cat NB E-UTRA Band | NR (5G) Band | Cat NB NR (5G) Band | Uplink              | Downlink            | Average Upload Efficiency (%) | Average Download Efficiency (%) | Maximum Upload VSWR | Maximum Download VSWR | Use Indicator |
|---------------|----------------|------------------|-------------------|--------------------|--------------|---------------------|---------------------|---------------------|-------------------------------|---------------------------------|---------------------|-----------------------|---------------|
|               | 1              | 1                | 1                 | 1                  | n1           | n1                  | 1920 - 1980 MHz     | 2110 - 2170 MHz     | 59.13                         | 57.37                           | 1.51                | 1.66                  | ●             |
| PCS-1900      | 2              | 2                | 2                 | 2                  | n2           | n2                  | 1850 - 1910 MHz     | 1930 - 1990 MHz     | 58.02                         | 58.26                           | 1.51                | 1.51                  | ●             |
| DCS-1800      | 3              | 3                | 3                 | 3                  | n3           | n3                  | 1710 - 1785 MHz     | 1805 - 1880 MHz     | 51.33                         | 57.54                           | 1.55                | 1.51                  | ●             |
|               | 4              | 4                | 4                 | 4                  |              |                     | 1710 - 1755 MHz     | 2110 - 2155 MHz     | 51.52                         | 56.69                           | 1.55                | 1.66                  | ●             |
| GSM-850       | 5              | 5                | 5                 | 5                  | n5           | n5                  | 824 - 849 MHz       | 869 - 894 MHz       | 72.62                         | 64.02                           | 1.20                | 1.49                  | ●             |
|               | 6              |                  |                   |                    |              |                     | 830 - 840 MHz       | 875 - 885 MHz       | 73.21                         | 63.55                           | 1.15                | 1.41                  | ●             |
|               | 7              | 7                | 7                 | 7                  | n7           | n7                  | 2500 - 2570 MHz     | 2620 - 2690 MHz     | 57.46                         | 61.53                           | 1.31                | 1.58                  | ●             |
| E-GSM-900     | 8              | 8                | 8                 | 8                  | n8           | n8                  | 880 - 915 MHz       | 925 - 960 MHz       | 64.40                         | 53.79                           | 1.56                | 1.57                  | ●             |
|               | 9              | 9                |                   |                    |              |                     | 1749.9 - 1784.9 MHz | 1844.9 - 1879.9 MHz | 51.17                         | 56.32                           | 1.35                | 1.51                  | ●             |
|               | 10             | 10               |                   |                    |              |                     | 1710 - 1770 MHz     | 2110 - 2170 MHz     | 51.25                         | 57.37                           | 1.55                | 1.66                  | ●             |
|               | 12             | 12               | 12                | 12                 | n12          | n12                 | 699 - 716 MHz       | 729 - 746 MHz       | 52.30                         | 63.49                           | 1.98                | 2.01                  | ●             |
|               | 13             | 13               | 13                | 13                 | n13          |                     | 777 - 787 MHz       | 746 - 756 MHz       | 69.63                         | 64.45                           | 1.49                | 1.72                  | ●             |
|               | 14             | 14               | 14                | 14                 | n14          | n14                 | 788 - 798 MHz       | 758 - 768 MHz       | 77.34                         | 65.22                           | 1.61                | 1.61                  | ●             |
|               |                | 17               |                   | 17                 |              |                     | 704 - 716 MHz       | 734 - 746 MHz       | 53.91                         | 63.88                           | 1.98                | 2.01                  | ●             |
|               |                | 18               | 18                | 18                 | n18          | n18                 | 815 - 830 MHz       | 860 - 875 MHz       | 81.06                         | 62.22                           | 1.30                | 1.23                  | ●             |
|               | 19             | 19               | 19                | 19                 |              |                     | 830 - 845 MHz       | 875 - 890 MHz       | 71.74                         | 64.04                           | 1.17                | 1.47                  | ●             |
|               | 20             | 20               | 20                | 20                 | n20          | n20                 | 832 - 862 MHz       | 791 - 821 MHz       | 67.23                         | 81.77                           | 1.23                | 1.66                  | ●             |
|               | 22             | 22               |                   |                    |              |                     | 3410 - 3490 MHz     | 3510 - 3590 MHz     | 47.89                         | 48.12                           | 1.87                | 1.88                  | ●             |
|               |                | 24               | 24                | 24                 | n24          | n24                 | 1626.5 - 1660.5 MHz | 1525 - 1559 MHz     | 46.79                         | 37.55                           | 1.93                | 2.84                  | ●             |
|               | 25             | 25               | 25                | 25                 | n25          | n25                 | 1850 - 1915 MHz     | 1930 - 1995 MHz     | 58.35                         | 58.44                           | 1.51                | 1.51                  | ●             |
|               | 26             | 26               | 26                | 26                 | n26          | n26                 | 814 - 849 MHz       | 859 - 894 MHz       | 75.51                         | 63.42                           | 1.33                | 1.49                  | ●             |
|               |                | 27               | 27                |                    |              |                     | 807 - 824 MHz       | 852 - 869 MHz       | 82.81                         | 62.53                           | 1.53                | 1.23                  | ●             |
|               |                | 28               | 28                | 28                 | n28          | n28                 | 703 - 748 MHz       | 758 - 803 MHz       | 59.82                         | 71.26                           | 2.01                | 1.66                  | ●             |
|               |                | 28A              |                   |                    |              |                     | 703 - 733 MHz       | 758 - 788 MHz       | 57.79                         | 67.41                           | 2.00                | 1.61                  | ●             |
|               |                | 29               |                   |                    | n29          |                     | N/A                 | 717 - 728 MHz       | N/A                           | 60.67                           | N/A                 | 1.95                  | ●             |

● Suitable band

● Adequate band in good signal conditions

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### Cellular Standards Band Support [ 5G/4G Ports ]

| GSM (2G) Band | UMTS (3G) Band | E-UTRA (4G) Band | Cat M E-UTRA Band | Cat NB E-UTRA Band | NR (5G) Band | Cat NB NR (5G) Band | Uplink            | Downlink          | Average Upload Efficiency (%) | Average Download Efficiency (%) | Maximum Upload VSWR | Maximum Download VSWR | Use Indicator |
|---------------|----------------|------------------|-------------------|--------------------|--------------|---------------------|-------------------|-------------------|-------------------------------|---------------------------------|---------------------|-----------------------|---------------|
|               |                | 30               |                   |                    | n30          |                     | 2305 - 2315 MHz   | 2350 - 2360 MHz   | 56.26                         | 59.03                           | 1.34                | 1.36                  | ●             |
|               |                | 33               |                   |                    |              |                     | 1900 - 1920 MHz   | 1900 - 1920 MHz   | 61.82                         | 61.82                           | 1.29                | 1.29                  | ●             |
|               |                | 34               |                   |                    | n34          |                     | 2010 - 2025 MHz   | 2010 - 2025 MHz   | 61.68                         | 61.68                           | 1.50                | 1.50                  | ●             |
|               |                | 35               |                   |                    |              |                     | 1850 - 1910 MHz   | 1850 - 1910 MHz   | 58.02                         | 58.02                           | 1.51                | 1.51                  | ●             |
|               |                | 36               |                   |                    |              |                     | 1930 - 1990 MHz   | 1930 - 1990 MHz   | 58.26                         | 58.26                           | 1.51                | 1.51                  | ●             |
|               |                | 37               |                   |                    |              |                     | 1910 - 1930 MHz   | 1910 - 1930 MHz   | 62.67                         | 62.67                           | 1.43                | 1.43                  | ●             |
|               |                | 38               |                   |                    | n38          |                     | 2570 - 2620 MHz   | 2570 - 2620 MHz   | 57.59                         | 57.59                           | 1.34                | 1.34                  | ●             |
|               |                | 39               | 39                |                    | n39          |                     | 1880 - 1920 MHz   | 1880 - 1920 MHz   | 60.66                         | 60.66                           | 1.38                | 1.38                  | ●             |
|               |                | 40               | 40                |                    | n40          |                     | 2300 - 2400 MHz   | 2300 - 2400 MHz   | 57.06                         | 57.06                           | 1.51                | 1.51                  | ●             |
|               |                | 41               | 41                | 41                 | n41          | n41                 | 2496 - 2690 MHz   | 2496 - 2690 MHz   | 58.93                         | 58.93                           | 1.58                | 1.58                  | ●             |
|               |                | 42               | 42                | 42                 |              |                     | 3400 - 3600 MHz   | 3400 - 3600 MHz   | 48.00                         | 48.00                           | 1.88                | 1.88                  | ●             |
|               |                | 43               | 43                | 43                 |              |                     | 3600 - 3800 MHz   | 3600 - 3800 MHz   | 48.05                         | 48.05                           | 2.03                | 2.03                  | ●             |
|               |                | 44               |                   |                    |              |                     | 703 - 803 MHz     | 703 - 803 MHz     | 65.44                         | 65.44                           | 2.01                | 2.01                  | ●             |
|               |                | 48               | 48                | 48                 | n48          |                     | 3550 - 3700 MHz   | 3550 - 3700 MHz   | 49.38                         | 49.38                           | 1.94                | 1.94                  | ●             |
|               |                | 49               |                   |                    |              |                     | 3550 - 3700 MHz   | 3550 - 3700 MHz   | 49.38                         | 49.38                           | 1.94                | 1.94                  | ●             |
|               |                | 52               |                   |                    |              |                     | 3300 - 3400 MHz   | 3300 - 3400 MHz   | 49.83                         | 49.83                           | 1.75                | 1.75                  | ●             |
|               |                | 53               |                   |                    | n53          |                     | 2483.5 - 2495 MHz | 2483.5 - 2495 MHz | 53.89                         | 53.89                           | 1.30                | 1.30                  | ●             |
|               |                | 54               | 54                | 54                 | n54          | n54                 | 1670 - 1675 MHz   | 1670 - 1675 MHz   | 44.66                         | 44.66                           | 1.51                | 1.51                  | ●             |
|               |                | 65               |                   | 65                 | n65          | n65                 | 1920 - 2010 MHz   | 2110 - 2200 MHz   | 59.67                         | 58.41                           | 1.51                | 1.66                  | ●             |
|               |                | 66               | 66                | 66                 | n66          | n66                 | 1710 - 1780 MHz   | 2110 - 2200 MHz   | 51.28                         | 58.41                           | 1.55                | 1.66                  | ●             |
|               |                | 67               |                   |                    | n67          |                     | N/A               | 738 - 758 MHz     | N/A                           | 64.34                           | N/A                 | 1.95                  | ●             |
|               |                | 68               |                   |                    |              |                     | 698 - 728 MHz     | 753 - 783 MHz     | 55.38                         | 66.19                           | 1.98                | 1.66                  | ●             |
|               |                | 69               |                   |                    |              |                     | N/A               | 2570 - 2620 MHz   | N/A                           | 57.59                           | N/A                 | 1.34                  | ●             |
|               |                | 70               |                   | 70                 | n70          | n70                 | 1695 - 1710 MHz   | 1995 - 2020 MHz   | 49.01                         | 62.55                           | 1.57                | 1.46                  | ●             |
|               |                |                  |                   |                    | n77          |                     | 3300 - 4200 MHz   | 3300 - 4200 MHz   | 43.57                         | 43.57                           | 2.52                | 2.52                  | ●             |

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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### Cellular Standards Band Support [ 5G/4G Ports ]

| GSM (2G) Band | UMTS (3G) Band | E-UTRA (4G) Band | Cat M E-UTRA Band | Cat NB E-UTRA Band | NR (5G) Band | Cat NB NR (5G) Band | Uplink              | Downlink        | Average Upload Efficiency (%) | Average Download Efficiency (%) | Maximum Upload VSWR | Maximum Download VSWR | Use Indicator |
|---------------|----------------|------------------|-------------------|--------------------|--------------|---------------------|---------------------|-----------------|-------------------------------|---------------------------------|---------------------|-----------------------|---------------|
|               |                |                  |                   |                    | n78          |                     | 3300 - 3800 MHz     | 3300 - 3800 MHz | 48.39                         | 48.39                           | 2.03                | 2.03                  | ●             |
|               |                |                  |                   |                    | n80          |                     | 1710 - 1785 MHz     | N/A             | 51.33                         | N/A                             | 1.55                | N/A                   | ●             |
|               |                |                  |                   |                    | n81          |                     | 880 - 915 MHz       | N/A             | 64.40                         | N/A                             | 1.56                | N/A                   | ●             |
|               |                |                  |                   |                    | n82          |                     | 832 - 862 MHz       | N/A             | 67.23                         | N/A                             | 1.23                | N/A                   | ●             |
|               |                |                  |                   |                    | n83          |                     | 703 - 748 MHz       | N/A             | 59.82                         | N/A                             | 2.01                | N/A                   | ●             |
|               |                |                  |                   |                    | n84          |                     | 1920 - 1980 MHz     | N/A             | 59.13                         | N/A                             | 1.51                | N/A                   | ●             |
|               |                | 85               | 85                | 85                 | n85          |                     | 698 - 716 MHz       | 728 - 746 MHz   | 52.00                         | 63.40                           | 1.98                | 2.01                  | ●             |
|               |                |                  |                   |                    | n86          |                     | 1710 - 1780 MHz     | N/A             | 51.28                         | N/A                             | 1.55                | N/A                   | ●             |
|               |                |                  |                   |                    | n89          |                     | 824 - 849 MHz       | N/A             | 72.62                         | N/A                             | 1.20                | N/A                   | ●             |
|               |                |                  |                   |                    | n90          | n90                 | 2496 - 2690 MHz     | 2496 - 2690 MHz | 58.93                         | 58.93                           | 1.58                | 1.58                  | ●             |
|               |                |                  |                   |                    | n91          |                     | 832 - 862 MHz       | 1427 - 1432 MHz | 67.23                         | 20.46                           | 1.23                | 3.79                  | ●             |
|               |                |                  |                   |                    | n92          |                     | 832 - 862 MHz       | 1432 - 1517 MHz | 67.23                         | 24.70                           | 1.23                | 4.26                  | ●             |
|               |                |                  |                   |                    | n93          |                     | 880 - 915 MHz       | 1427 - 1432 MHz | 64.40                         | 20.46                           | 1.56                | 3.79                  | ●             |
|               |                |                  |                   |                    | n94          |                     | 880 - 915 MHz       | 1432 - 1517 MHz | 64.40                         | 24.70                           | 1.56                | 4.26                  | ●             |
|               |                |                  |                   |                    | n95          |                     | 2010 - 2025 MHz     | N/A             | 61.68                         | N/A                             | 1.50                | N/A                   | ●             |
|               |                |                  |                   |                    | n97          |                     | 2300 - 2400 MHz     | N/A             | 57.06                         | N/A                             | 1.51                | N/A                   | ●             |
|               |                |                  |                   |                    | n98          |                     | 1880 - 1920 MHz     | N/A             | 60.66                         | N/A                             | 1.38                | N/A                   | ●             |
|               |                |                  |                   |                    | n99          |                     | 1626.5 - 1660.5 MHz | N/A             | 46.79                         | N/A                             | 1.93                | N/A                   | ●             |
| 1900          |                |                  |                   |                    | n101         |                     | 1900 - 1910 MHz     | 1900 - 1910 MHz | 61.04                         | 61.04                           | 1.15                | 1.15                  | ●             |
|               |                |                  |                   | 103                |              |                     | 787 - 788 MHz       | 757 - 758 MHz   | 73.36                         | 64.64                           | 1.42                | 1.62                  | ●             |

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

**NOTE:** For each frequency band, Siretta provides a traffic light indication to show the suitability of the antenna for use at that frequency band. Determination of exactly what makes an antenna good or bad at any frequency is subjective.

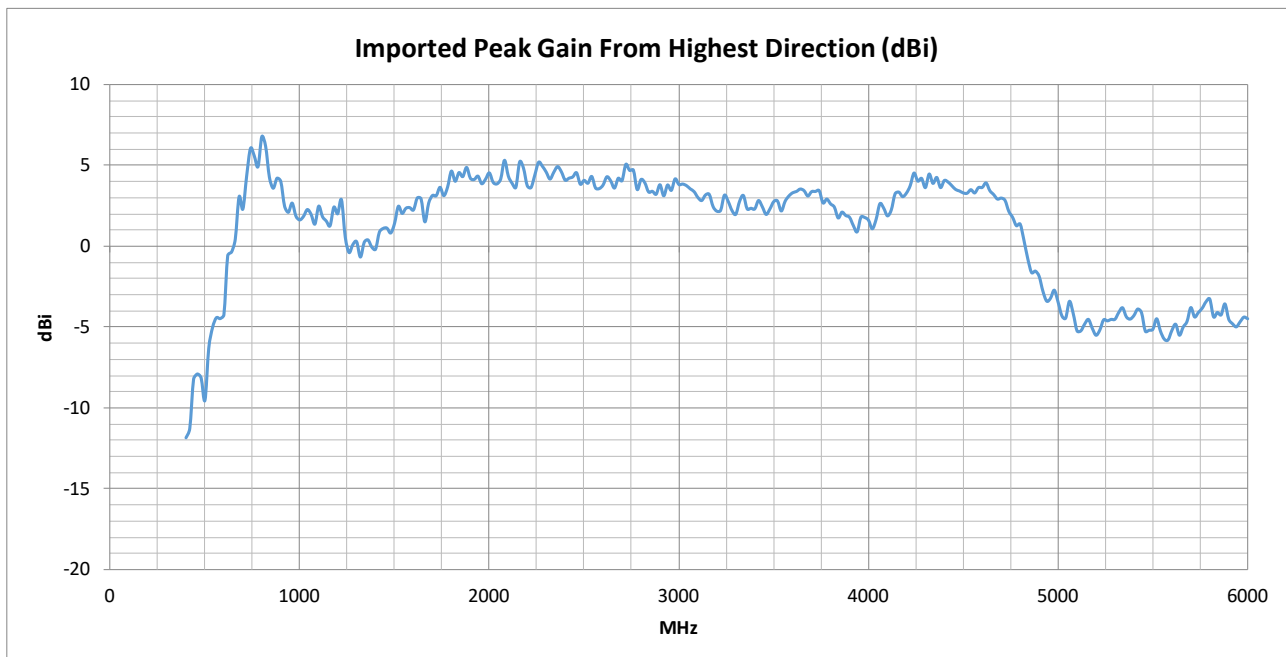
The view presented is that of Siretta's engineering team having taken into account the efficiency and VSWR measurements. The end user is advised to use their own criteria and/or testing to confirm suitability.



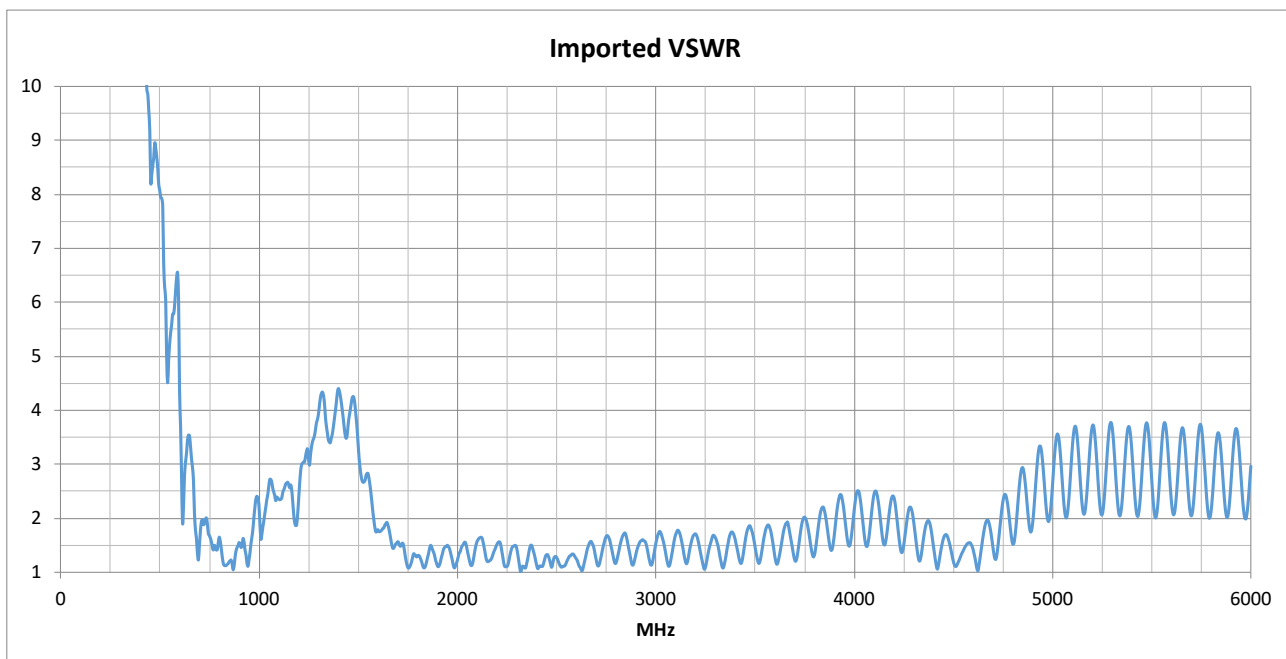
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### Peak Gain vs. Frequency [ 5G/4G Ports ]



### VSWR [ 5G/4G Ports ]

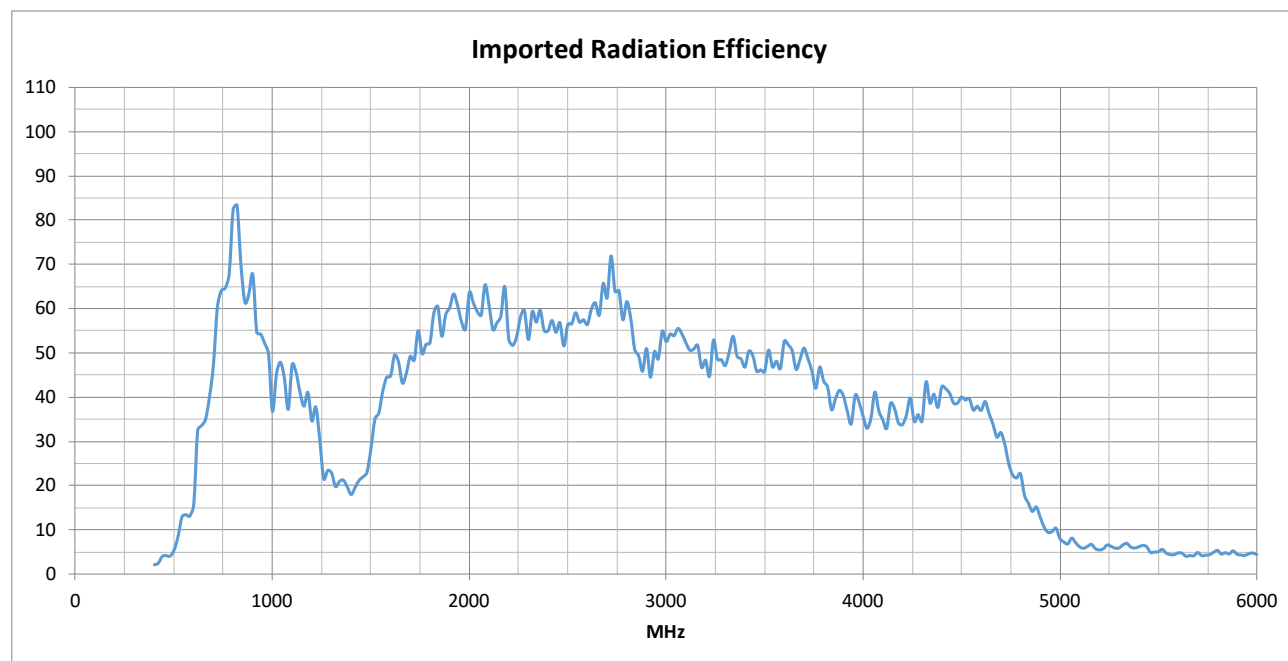




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### Radiation Efficiency [ 5G/4G ports ]

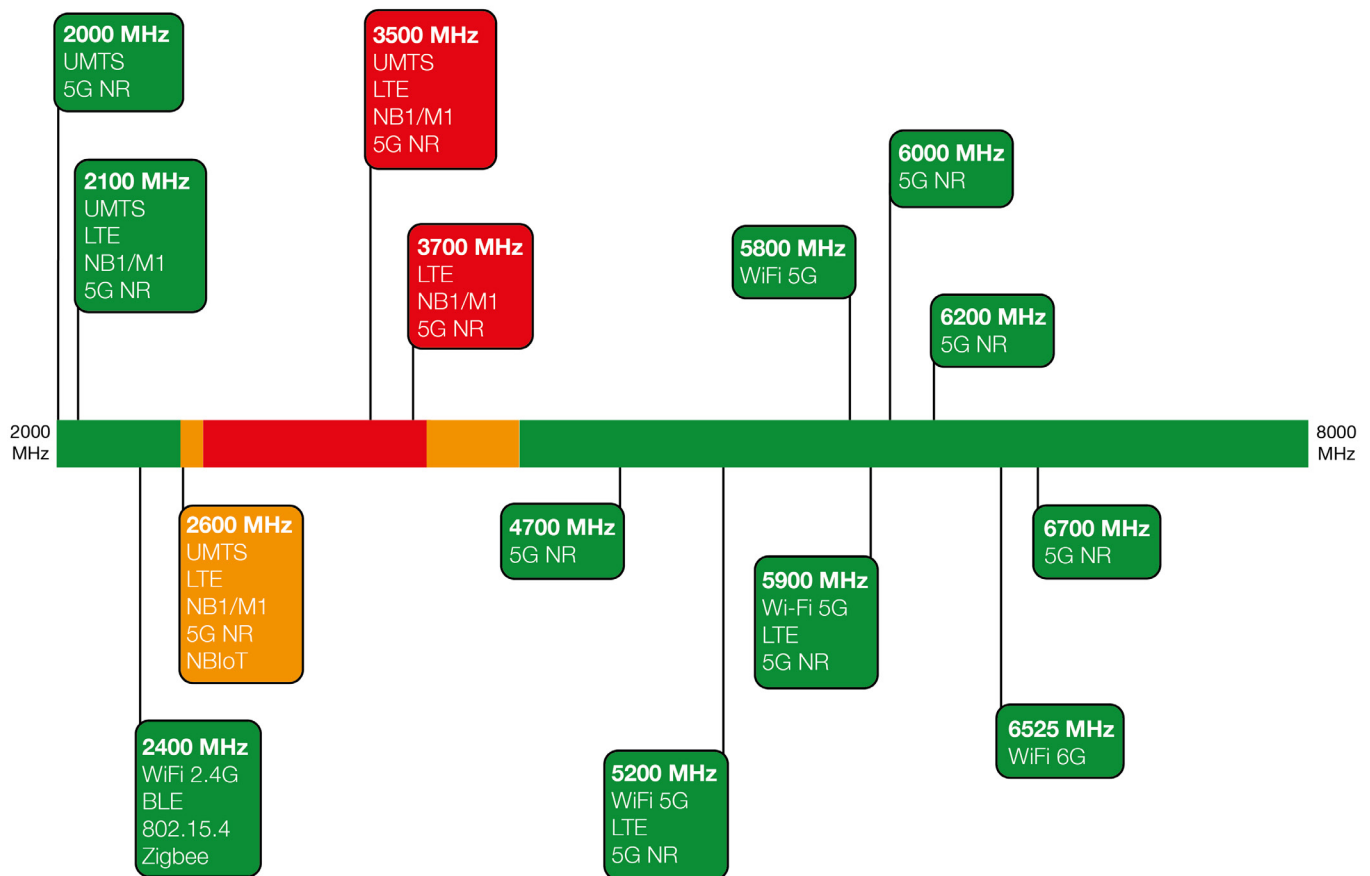




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### Spectrum Coverage [ [Wi-Fi Ports](#) ]



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### Wi-Fi Standards Band Support [ Wi-Fi Ports ]

| Application             | Frequency Range | Efficiency (%) | Maximum VSWR | Peak Gain from highest direction (dBi) | Use Indicator |
|-------------------------|-----------------|----------------|--------------|----------------------------------------|---------------|
| Wi-Fi 2.4G              | 2401 - 2483 MHz | 48.70          | 1.91         | 5.53                                   | ●             |
| Wi-Fi 2.4G (USA)        | 2401 - 2473 MHz | 48.61          | 1.91         | 5.53                                   | ●             |
| Wi-Fi 2.4G (Japan)      | 2401 - 2495 MHz | 48.42          | 1.91         | 5.53                                   | ●             |
| Wi-Fi 5G (all channels) | 5150 - 5990 MHz | 50.10          | 1.48         | 5.14                                   | ●             |
| Wi-Fi 5G (Ch 32-48)     | 5150 - 5250 MHz | 54.51          | 1.43         | 4.61                                   | ●             |
| Wi-Fi 5G (Ch 32-64)     | 5150 - 5330 MHz | 54.19          | 1.43         | 4.61                                   | ●             |
| Wi-Fi 5G (Ch 32-161)    | 5150 - 5815 MHz | 51.10          | 1.43         | 5.14                                   | ●             |
| Wi-Fi 5G (Ch 32-173)    | 5150 - 5875 MHz | 50.89          | 1.43         | 5.14                                   | ●             |
| Wi-Fi 6E (Ch 1-93)      | 5925 - 6425 MHz | 41.59          | 1.73         | 4.87                                   | ●             |
| Wi-Fi 6E (all channels) | 5925 - 7125 MHz | 36.76          | 1.98         | 4.87                                   | ●             |

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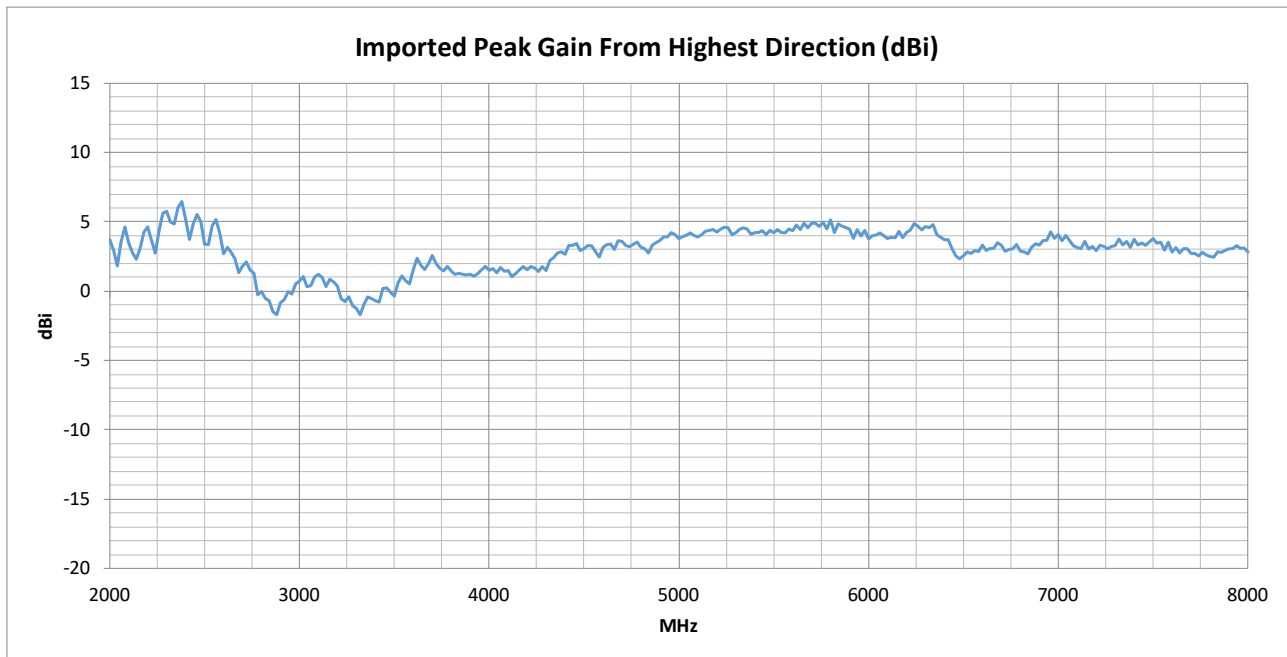
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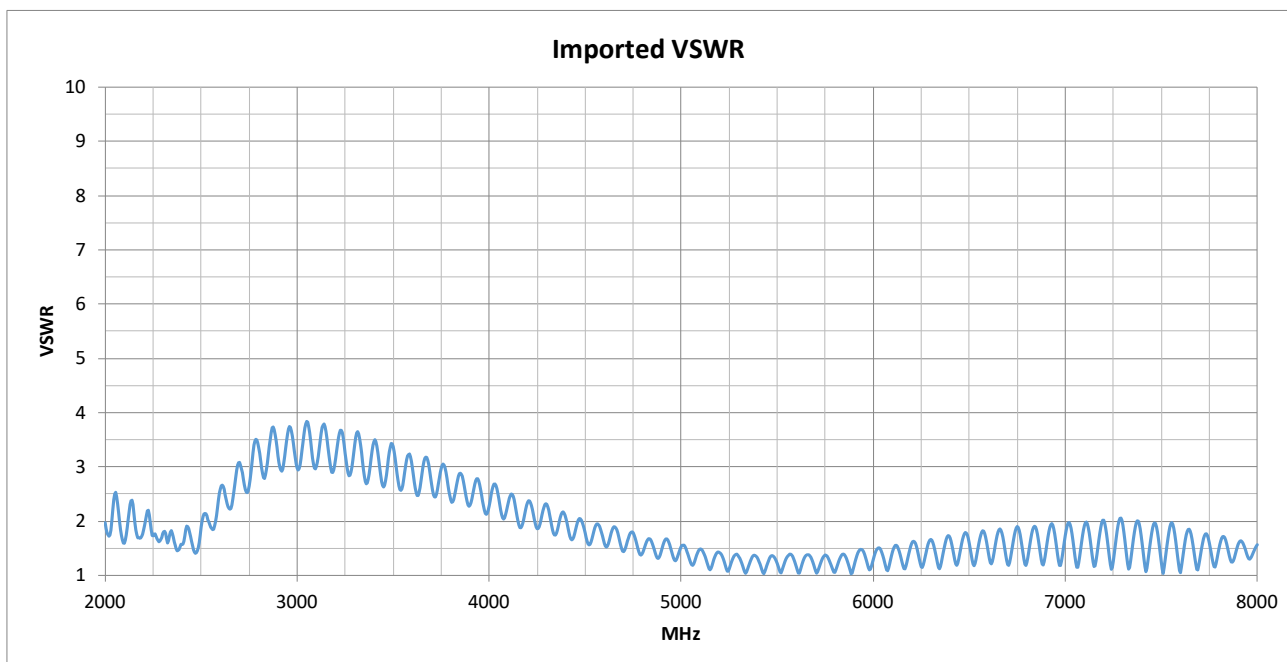
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### Peak Gain vs. Frequency [ Wi-Fi Ports ]



### VSWR [ Wi-Fi Ports ]

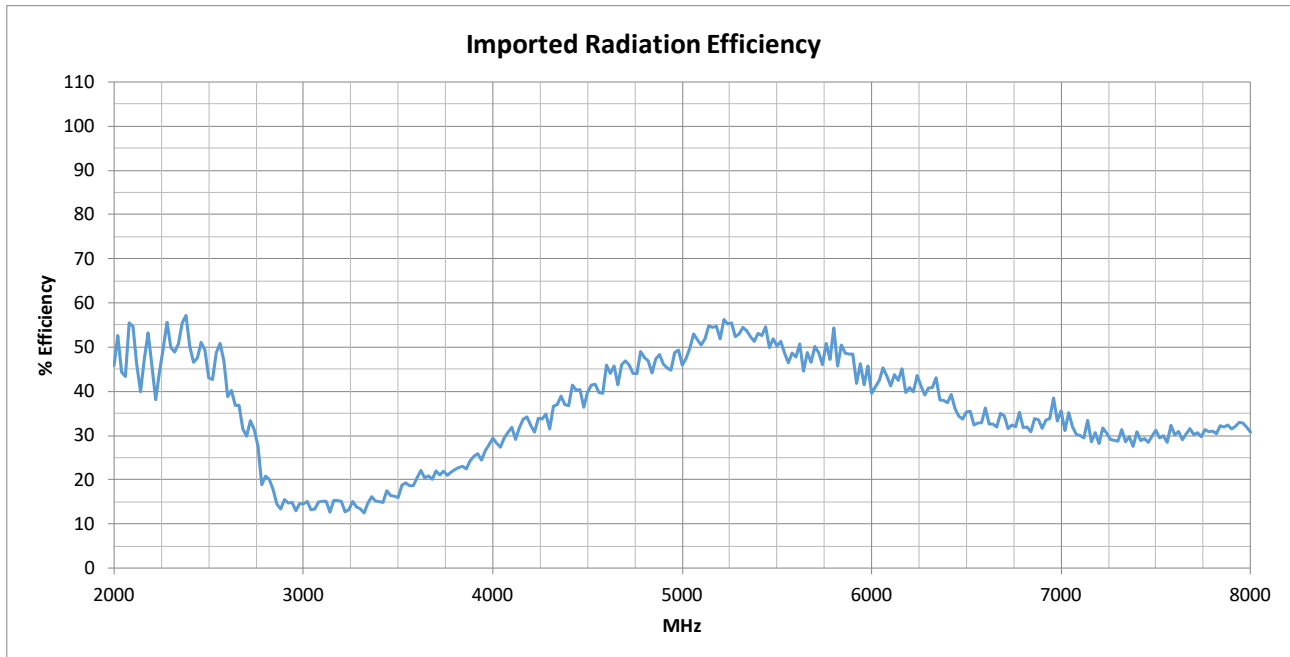




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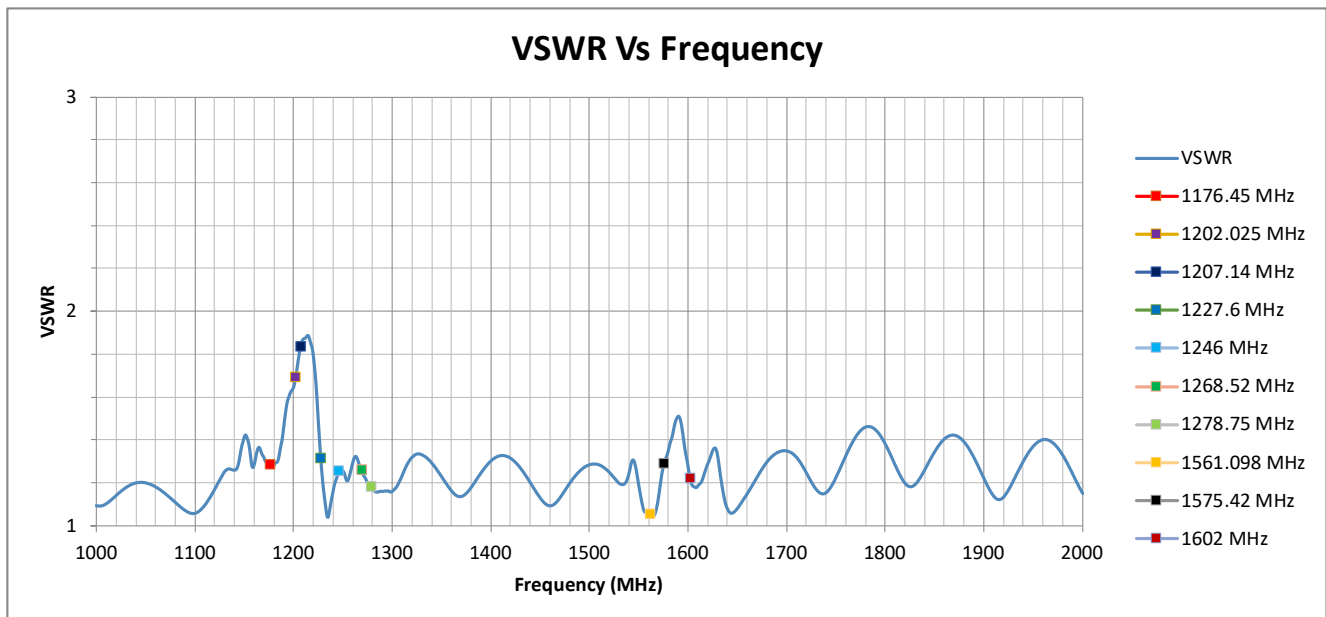
### Radiation Efficiency [ Wi-Fi Ports ]



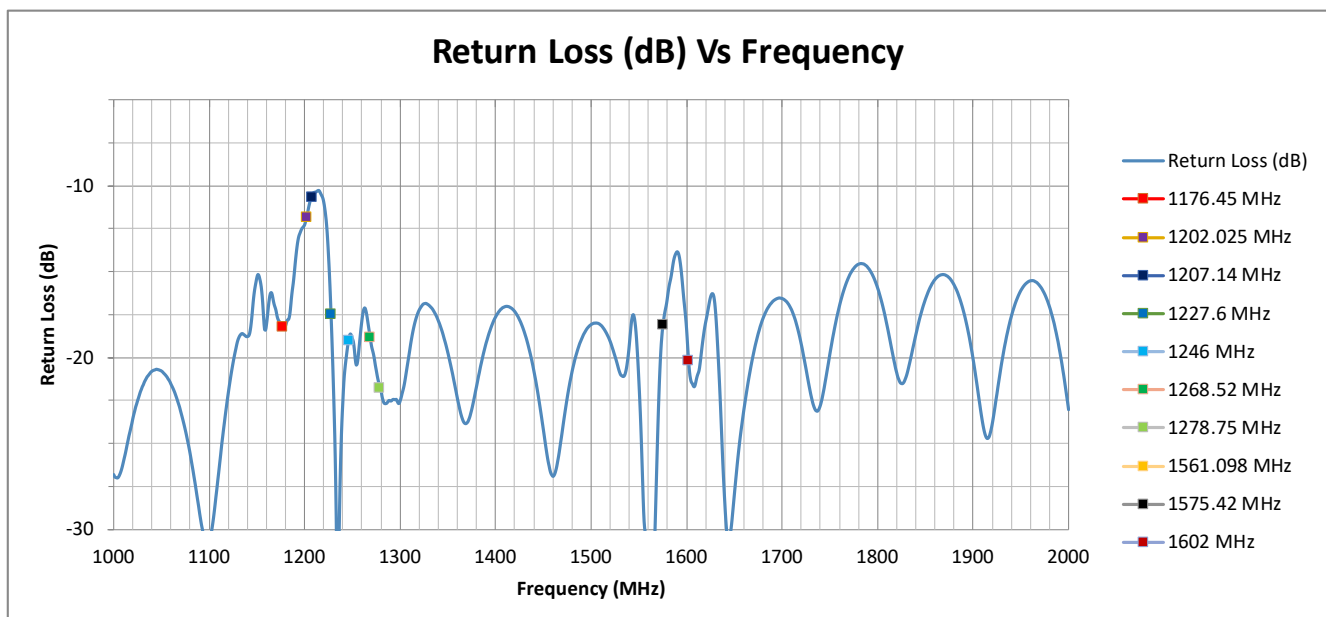
## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### VSWR vs. Frequency [ GPS Ports ]



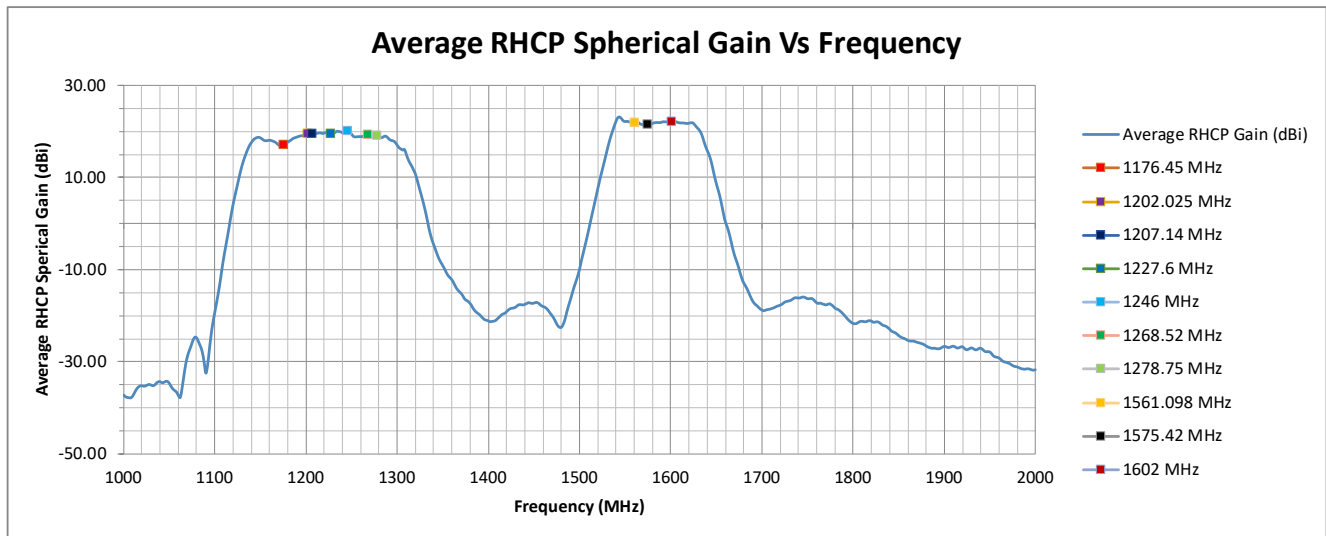
### Return Loss vs. Frequency [ GPS Ports ]



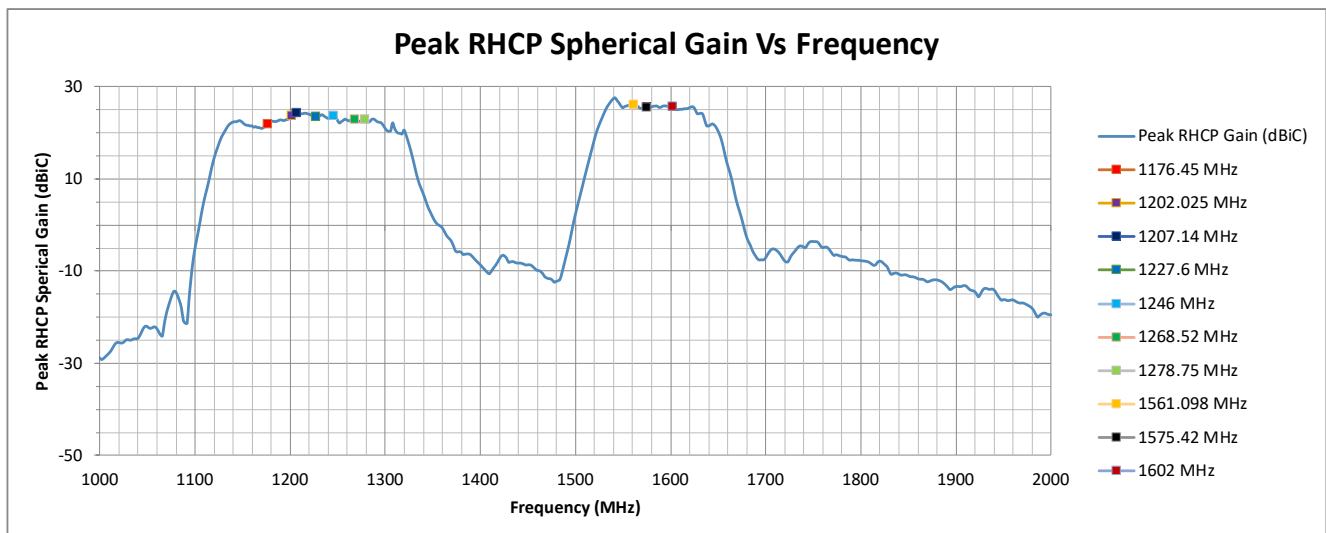
## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### Spherical Gain vs. Frequency [ GPS Ports ]



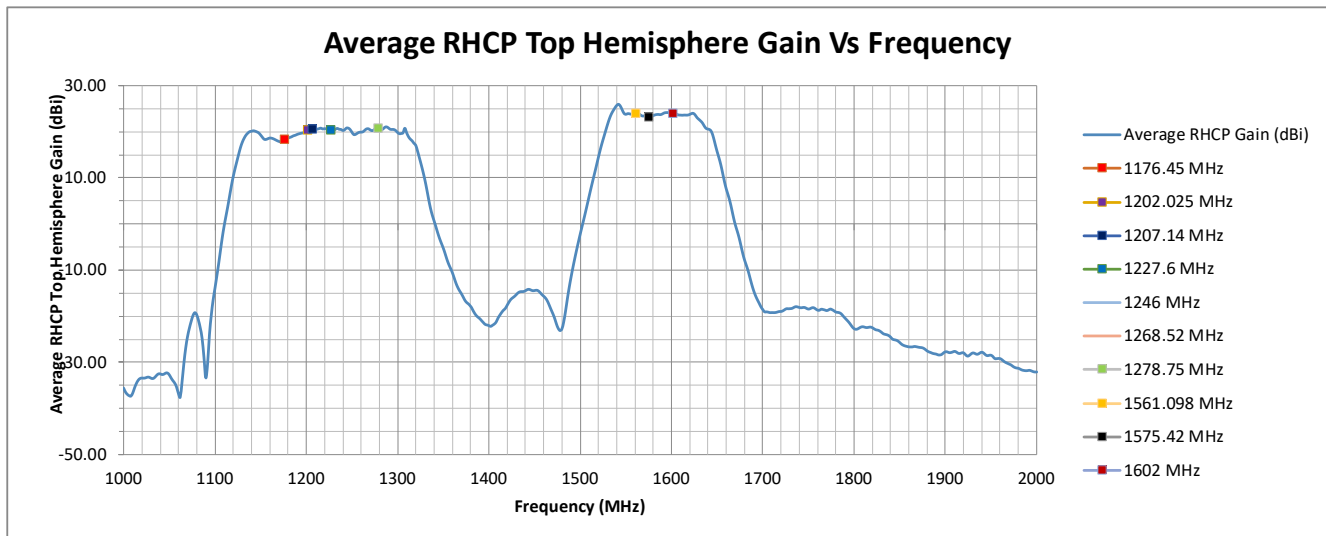
### Peak Spherical Gain vs. Frequency [ GPS Ports ]



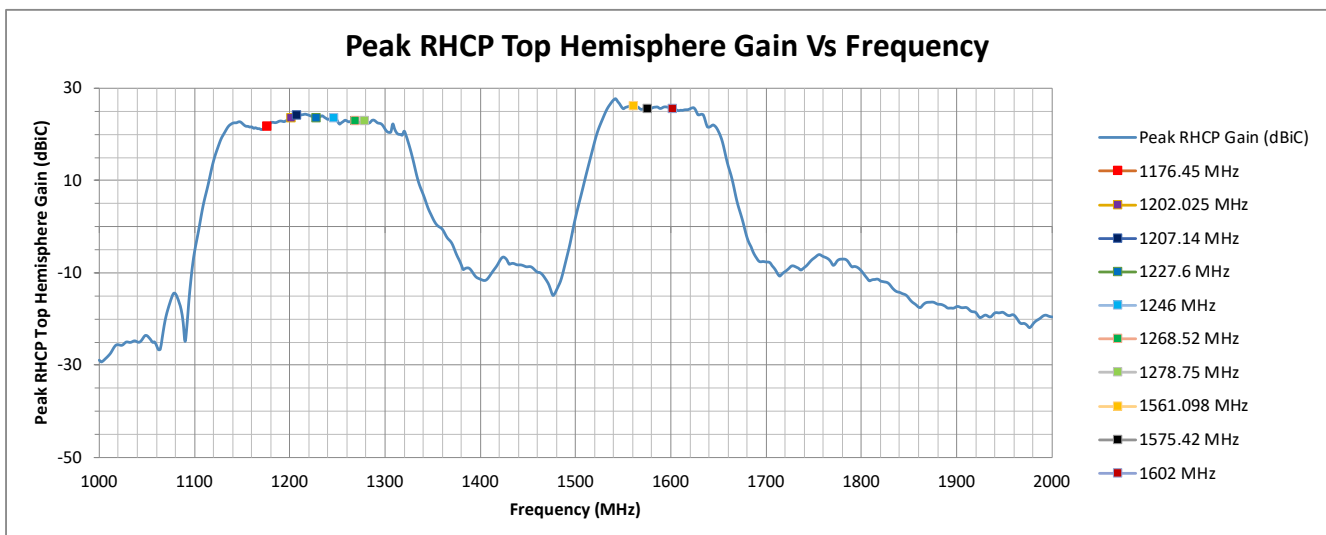
## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### Hemisphere vs. Frequency [ GPS Ports ]



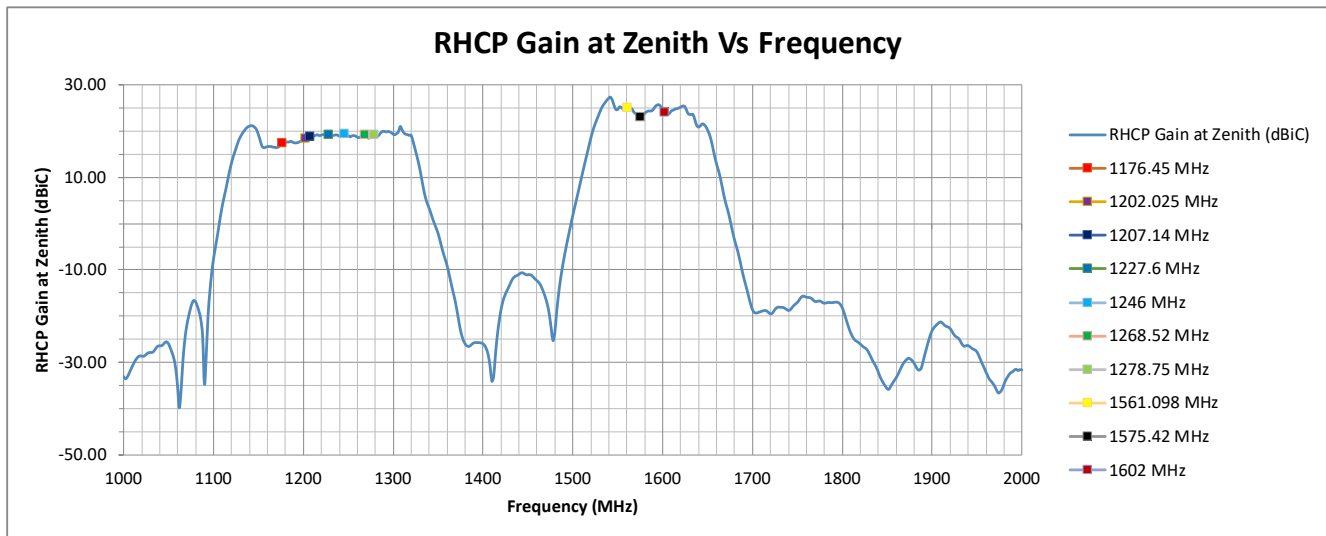
### Peak Hemisphere vs. Frequency [ GPS Ports ]



## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### Zenith vs. Frequency [ GPS Ports ]

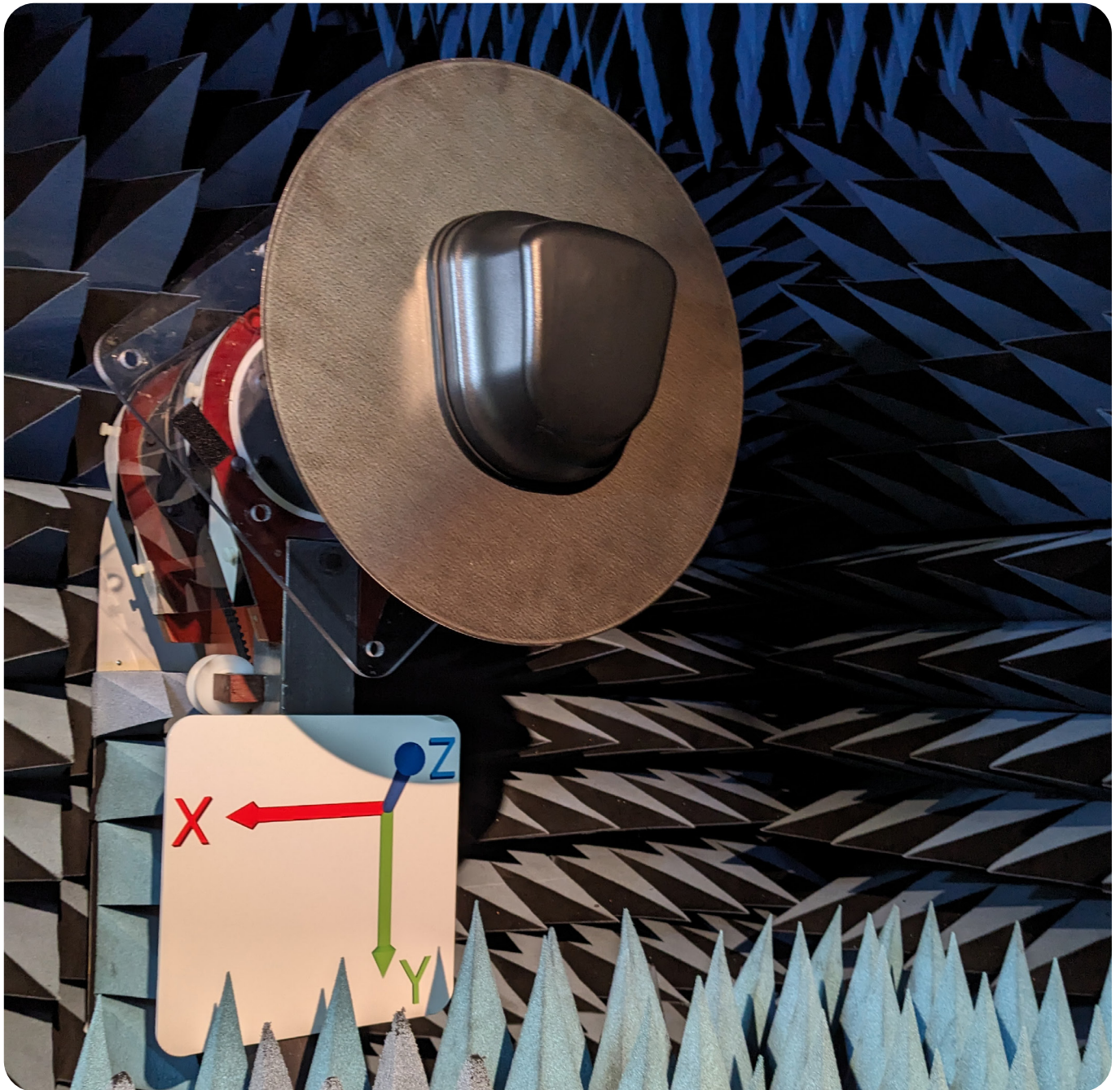




## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### Test Setup (on 400 mm Ø Groundplane)



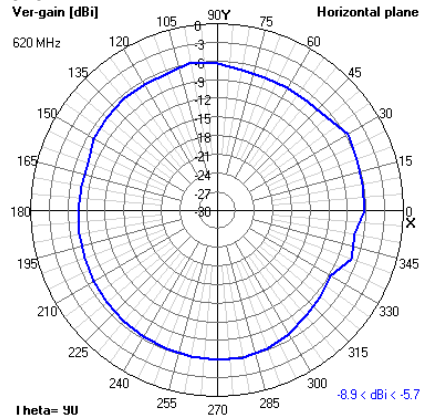


## Tango 55

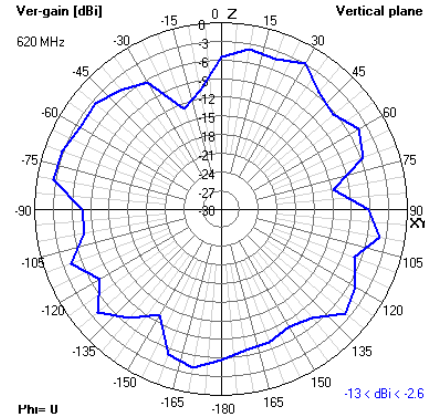
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

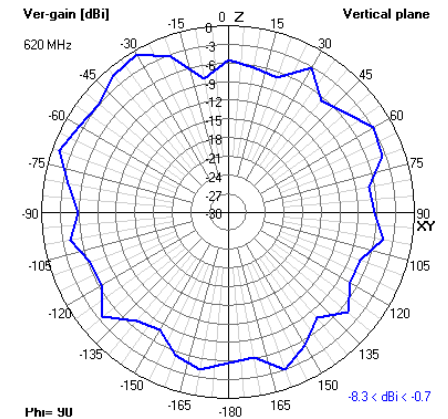
#### 620 MHz XY



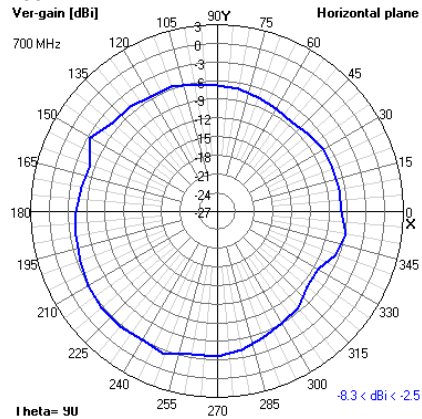
#### XZ



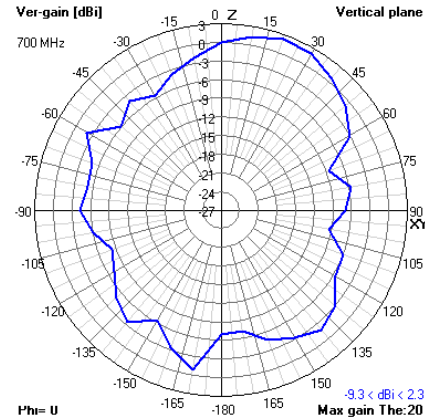
#### YZ



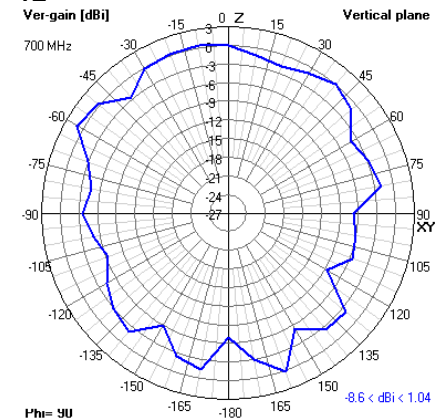
#### 700 MHz XY



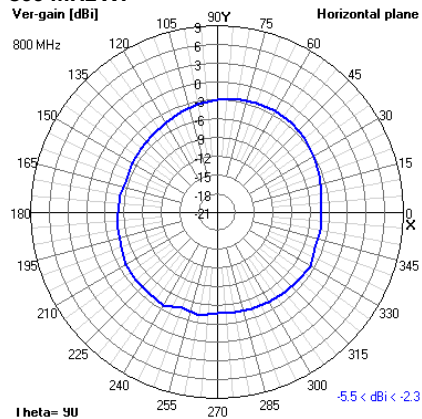
#### XZ



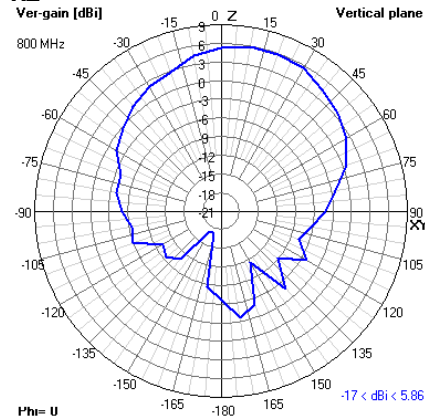
#### YZ



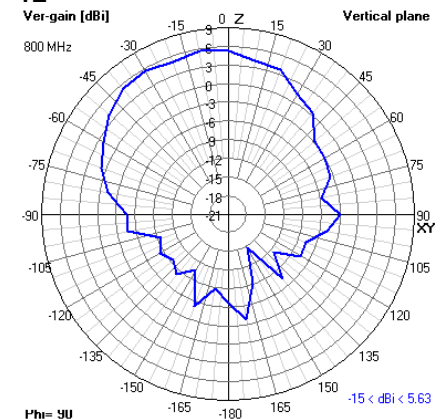
#### 800 MHz XY



#### XZ



#### YZ



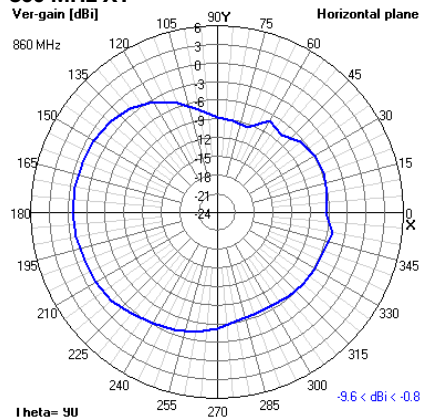


## Tango 55

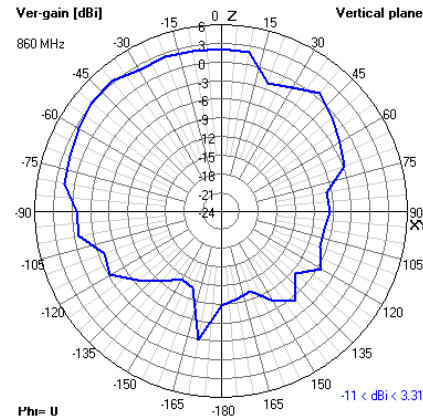
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

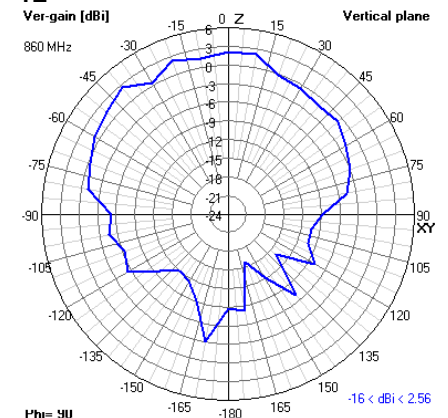
#### 860 MHz XY



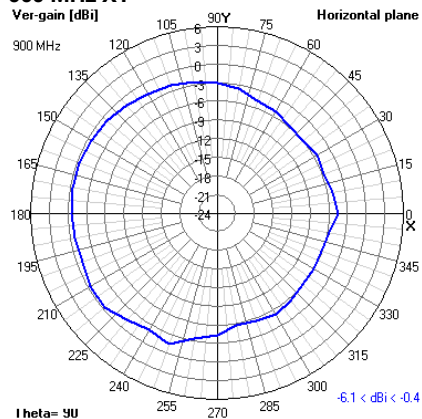
#### XZ



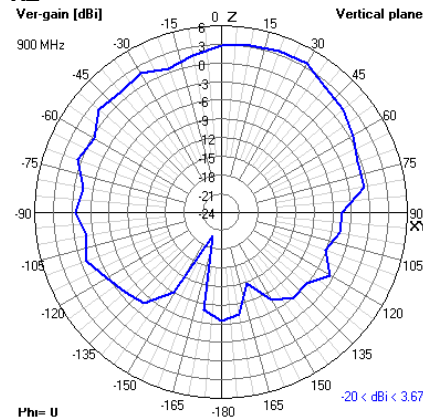
#### YZ



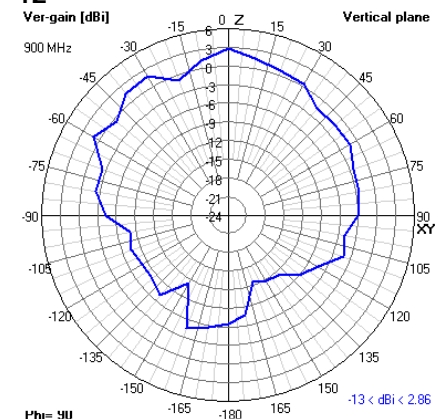
#### 900 MHz XY



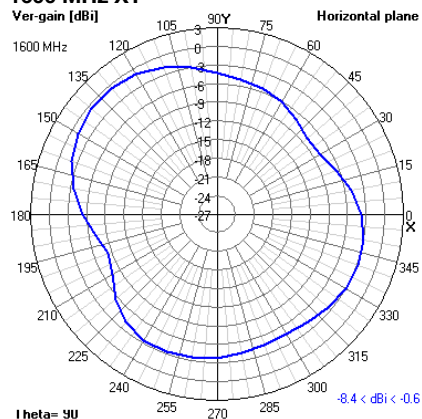
#### XZ



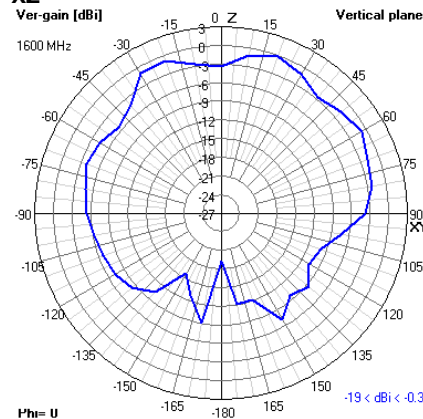
#### YZ



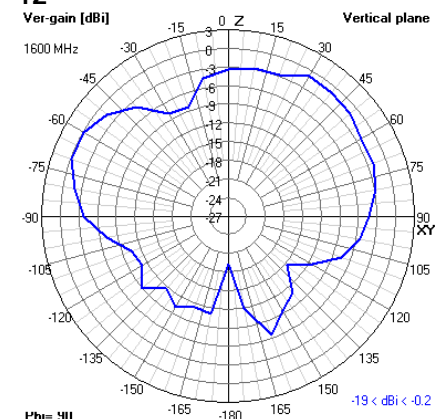
#### 1600 MHz XY



#### XZ



#### YZ

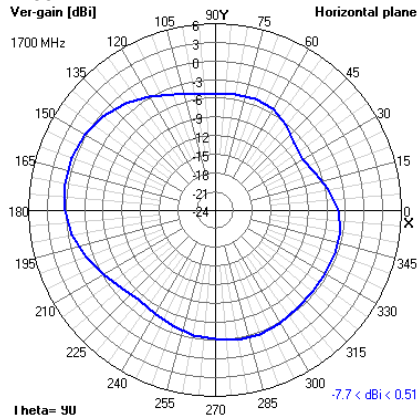


## Tango 55

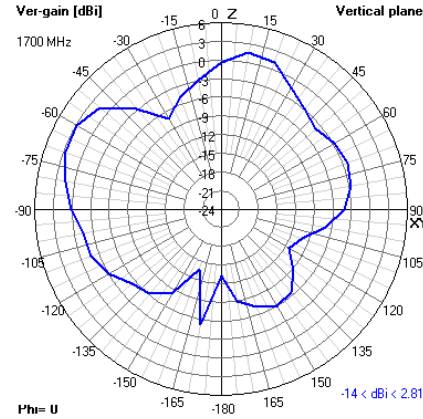
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

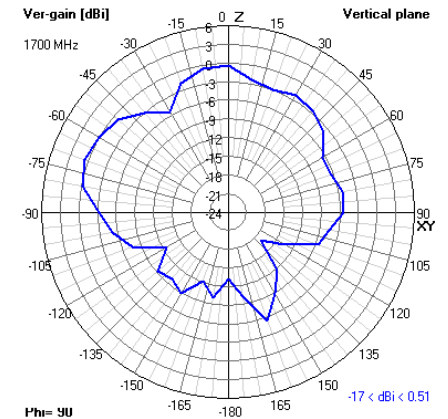
#### 1700 MHz XY



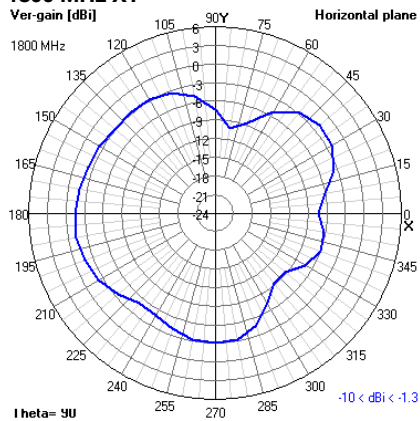
#### XZ



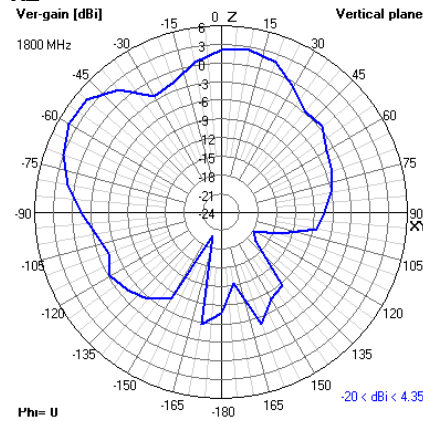
#### YZ



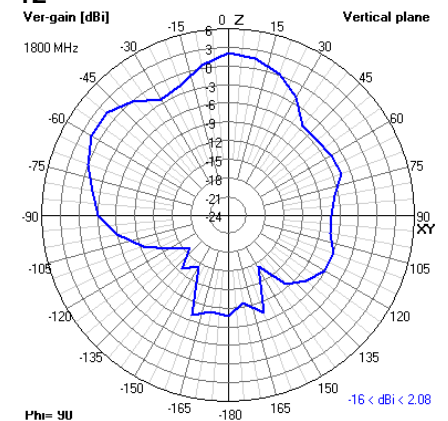
#### 1800 MHz XY



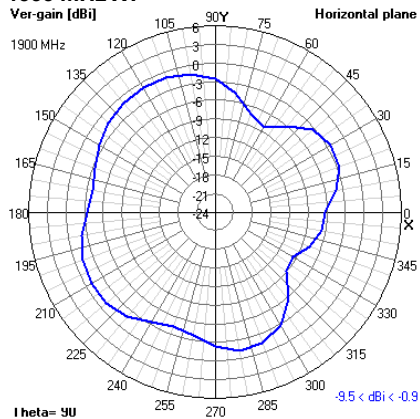
#### XZ



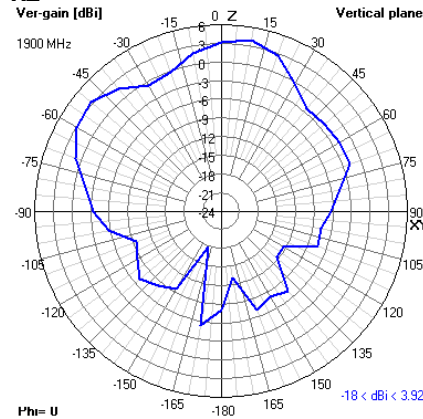
#### YZ



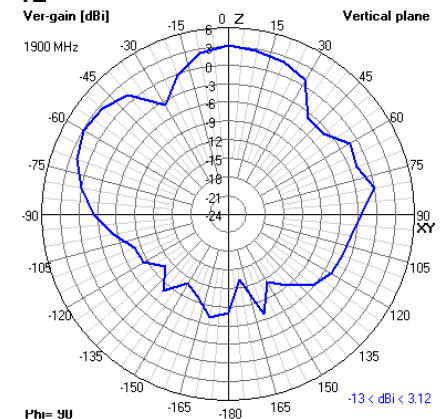
#### 1900 MHz XY



#### XZ



#### YZ

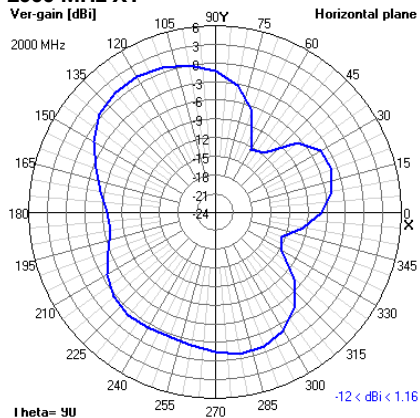


## Tango 55

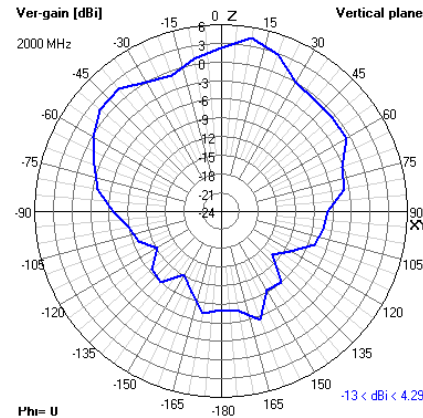
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

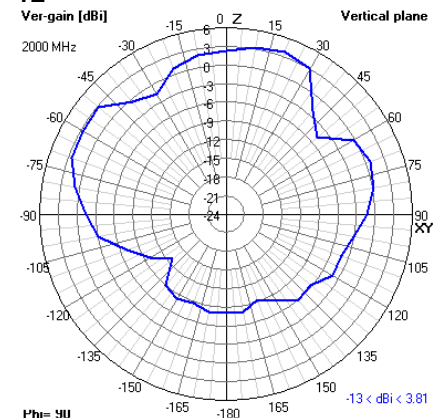
#### 2000 MHz XY



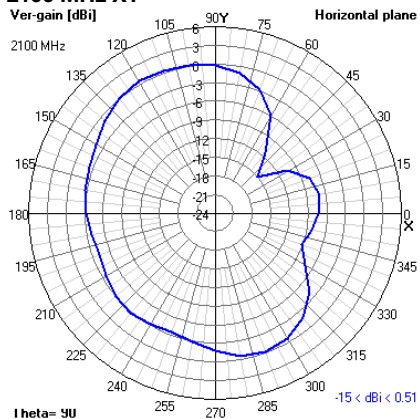
#### XZ



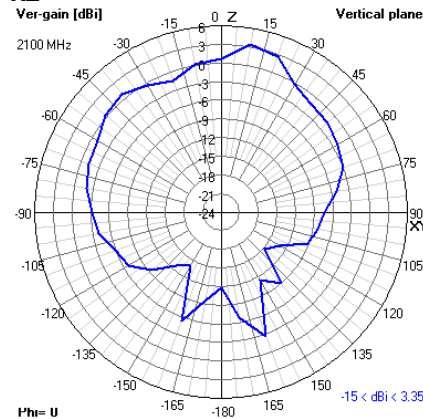
#### YZ



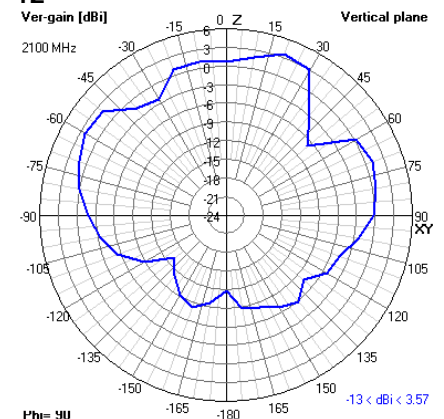
#### 2100 MHz XY



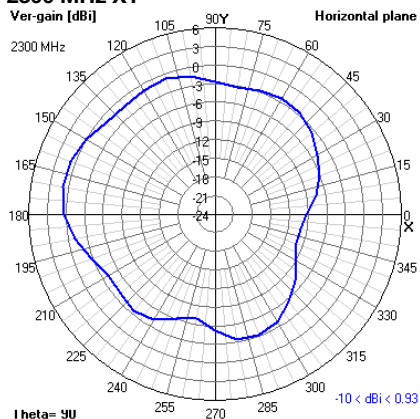
#### XZ



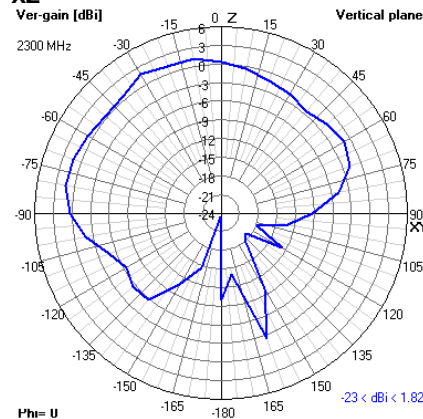
#### YZ



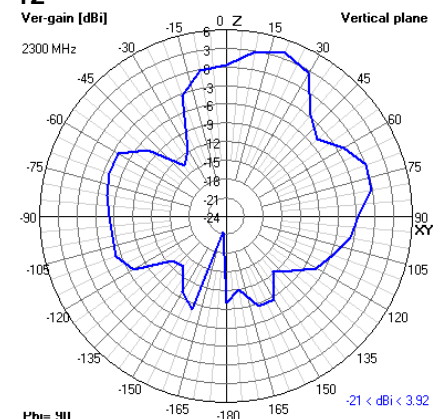
#### 2300 MHz XY



#### XZ



#### YZ

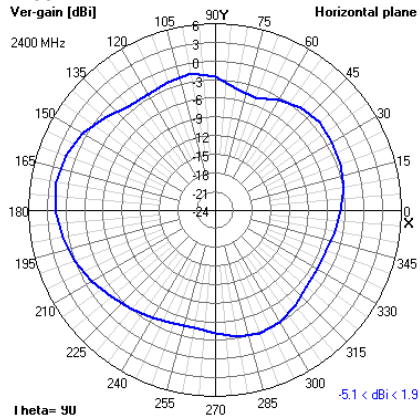


## Tango 55

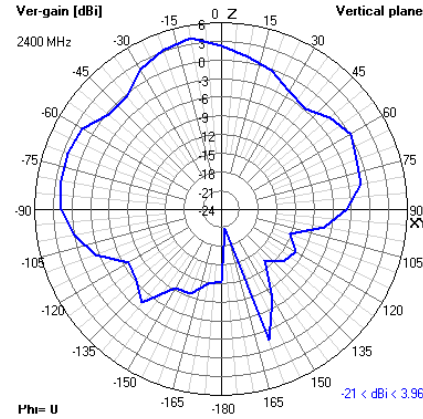
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

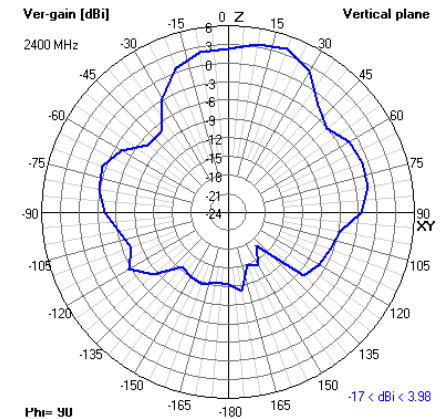
#### 2400 MHz XY



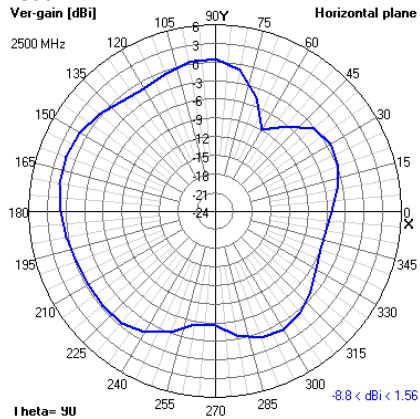
#### XZ



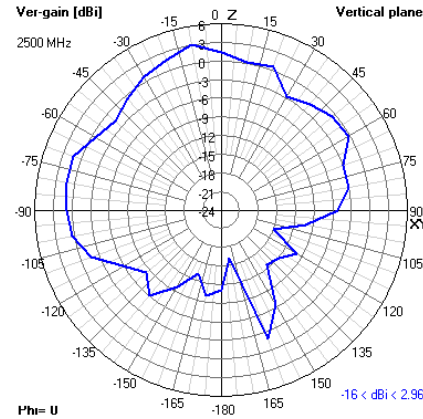
#### YZ



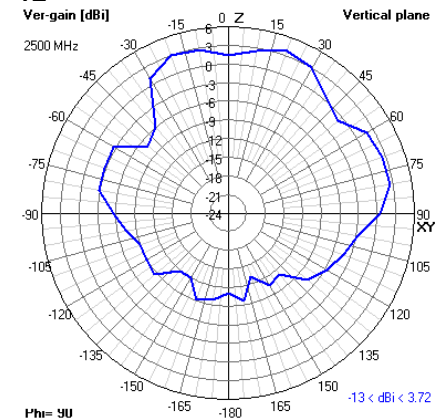
#### 2500 MHz XY



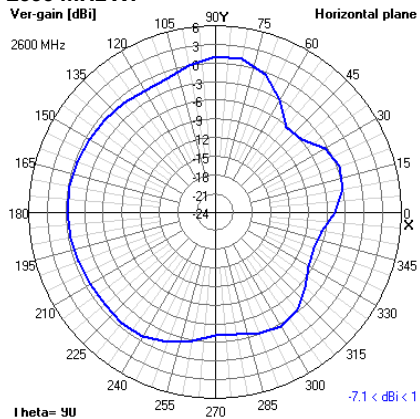
#### XZ



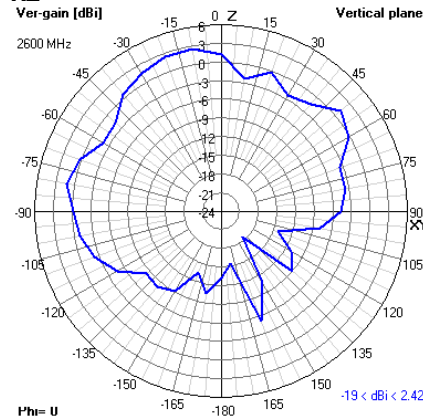
#### YZ



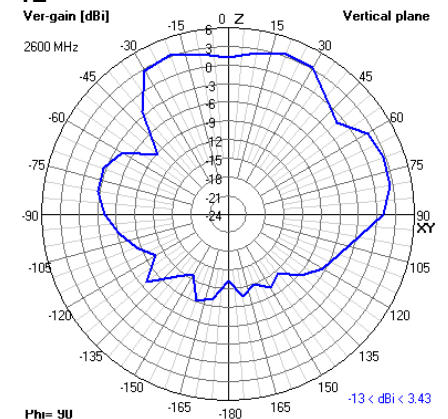
#### 2600 MHz XY



#### XZ



#### YZ

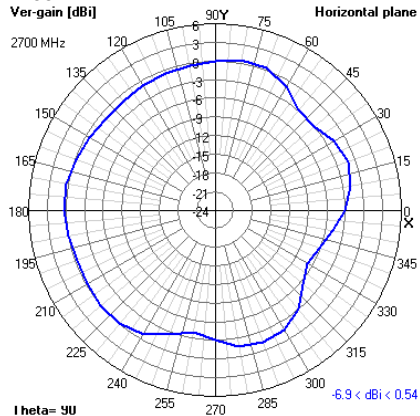


## Tango 55

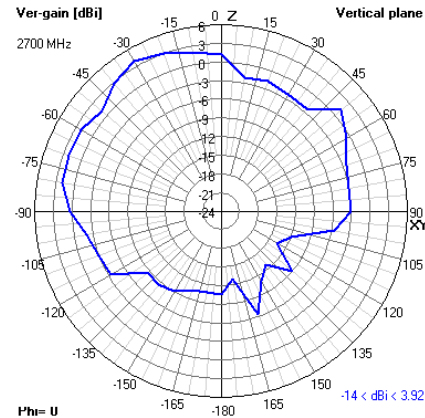
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

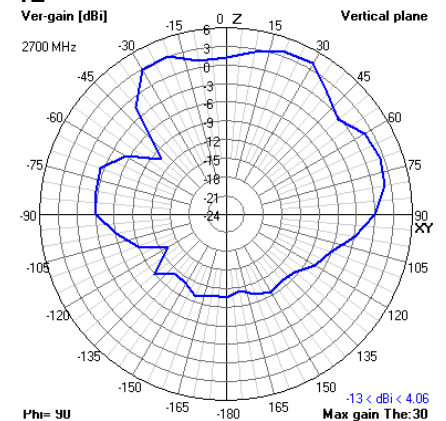
#### 2700 MHz XY



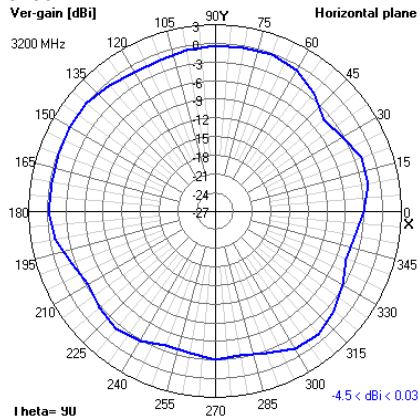
#### XZ



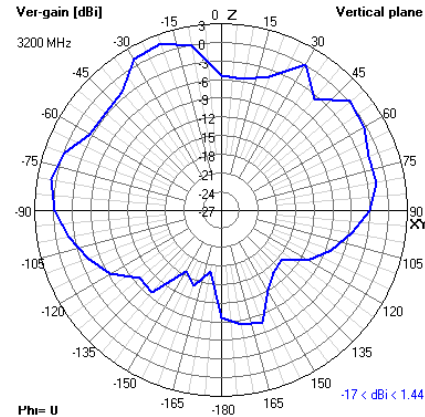
#### YZ



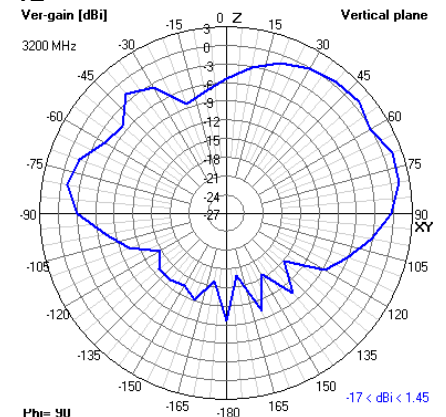
#### 3200 MHz XY



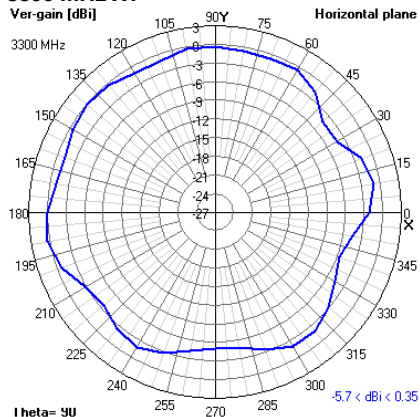
#### XZ



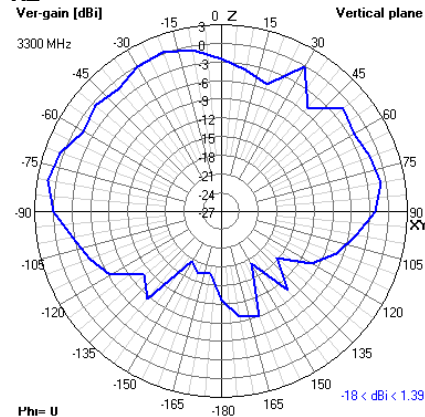
#### YZ



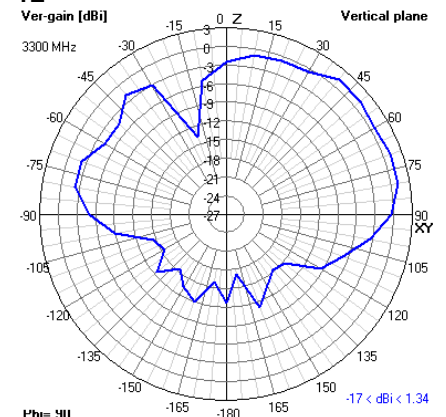
#### 3300 MHz XY



#### XZ



#### YZ



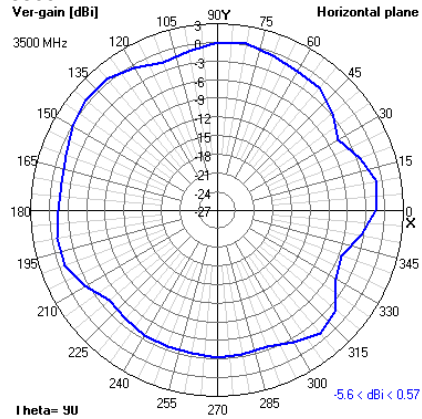


## Tango 55

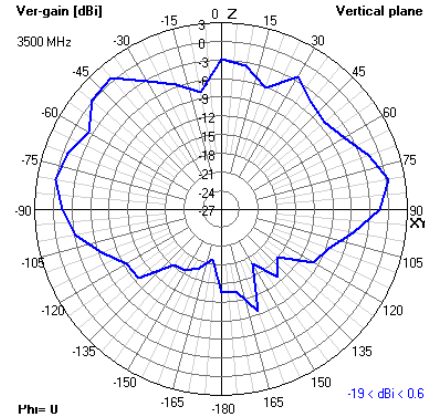
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

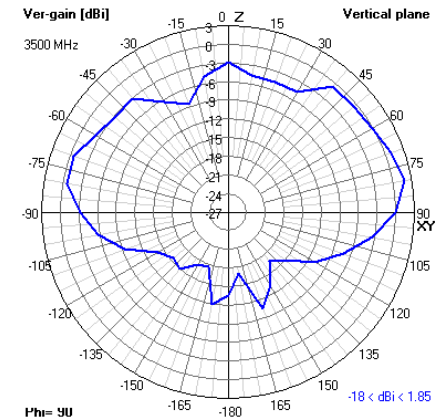
#### 3500 MHz XY



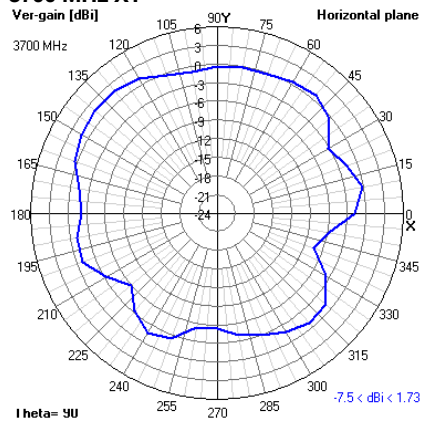
#### XZ



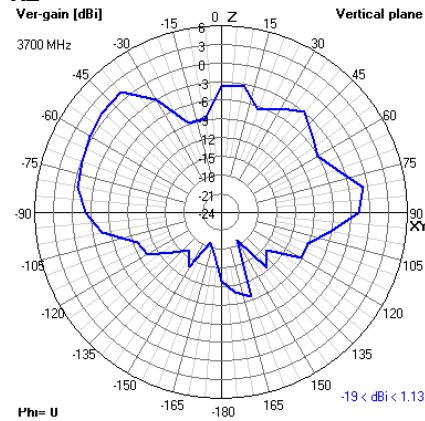
#### YZ



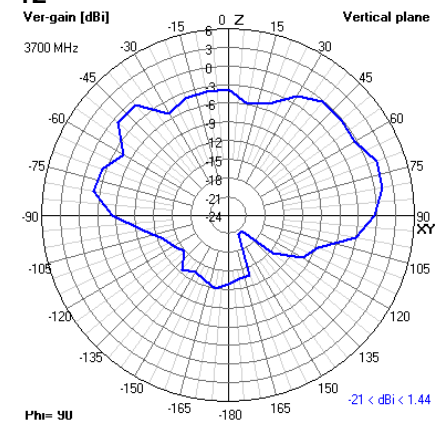
#### 3700 MHz XY



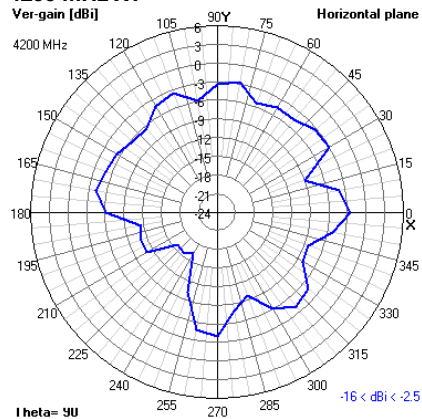
#### XZ



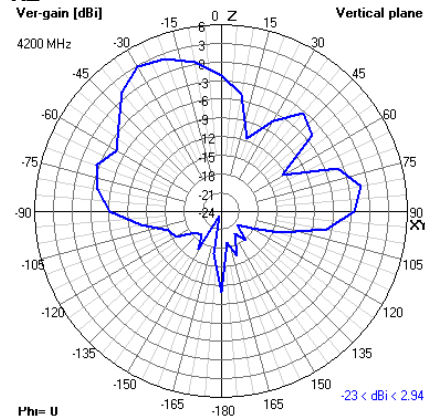
#### YZ



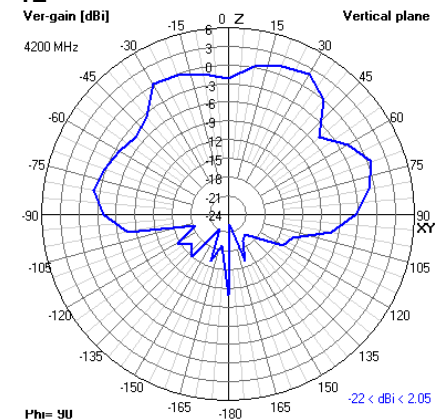
#### 4200 MHz XY



#### XZ



#### YZ



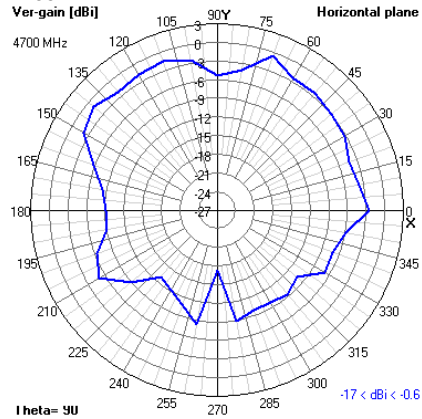


## Tango 55

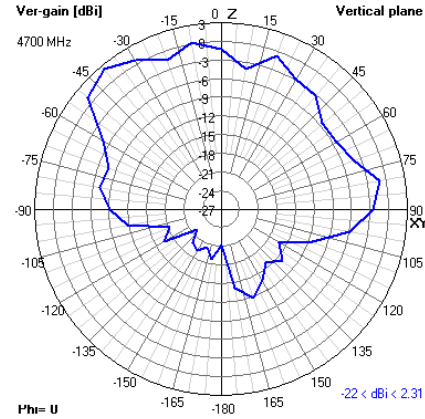
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Cellular ]

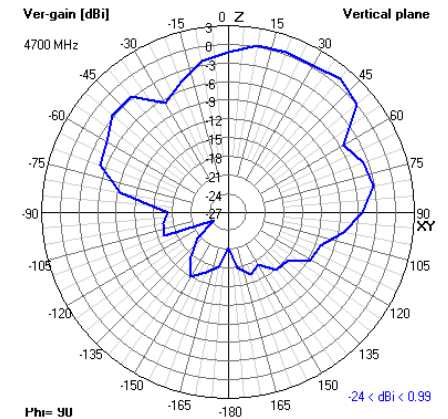
#### 4700 MHz XY



#### XZ



#### YZ

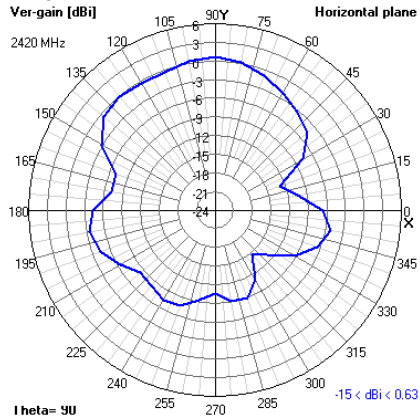


## Tango 55

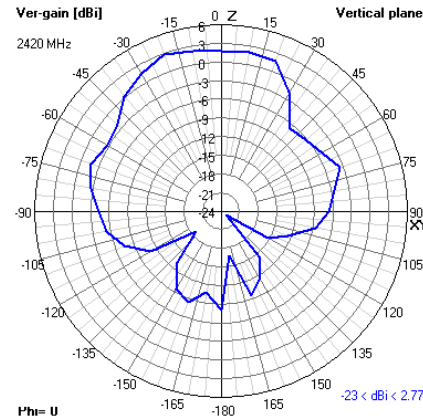
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Wi-Fi ]

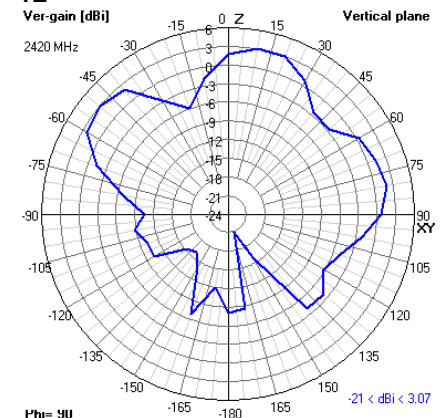
#### 2420 MHz XY



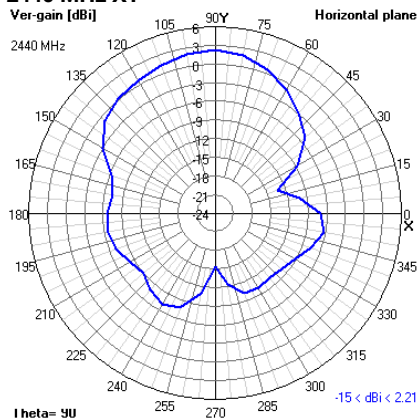
#### XZ



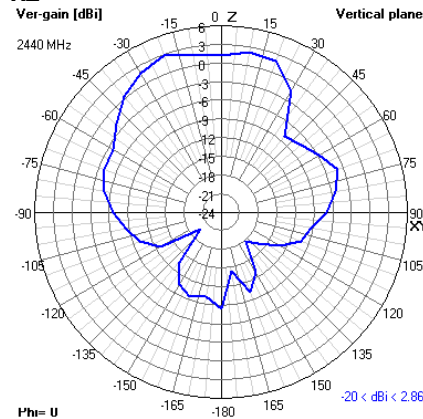
#### YZ



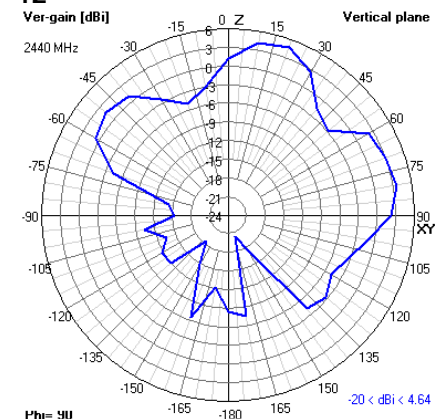
#### 2440 MHz XY



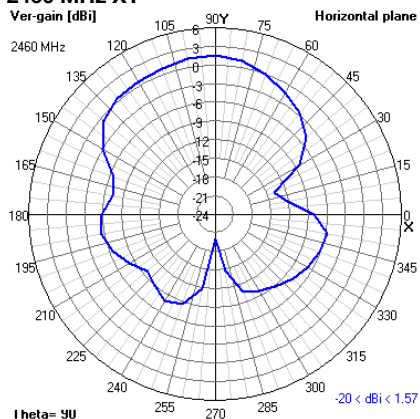
#### XZ



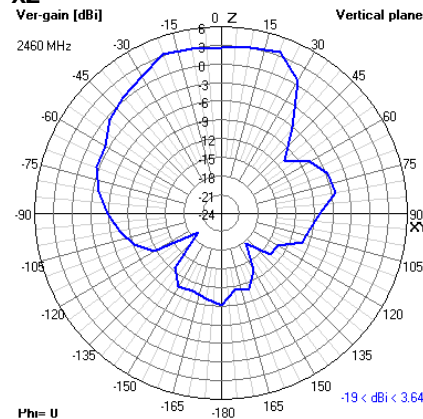
#### YZ



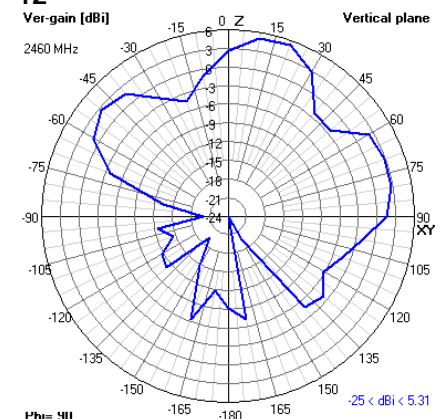
#### 2460 MHz XY



#### XZ



#### YZ



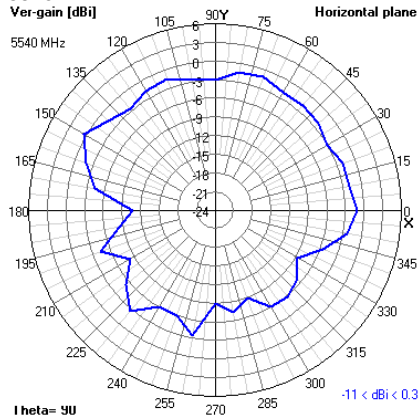


## Tango 55

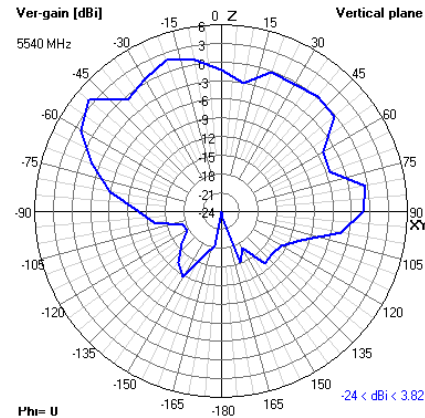
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Wi-Fi ]

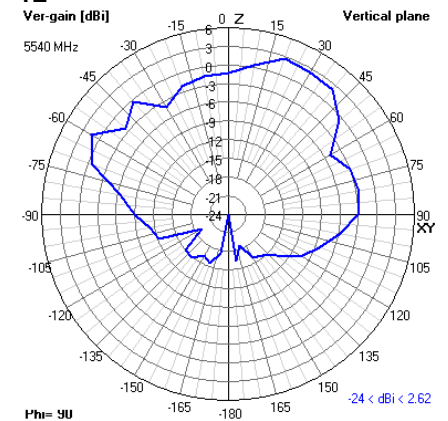
#### 5540 MHz XY



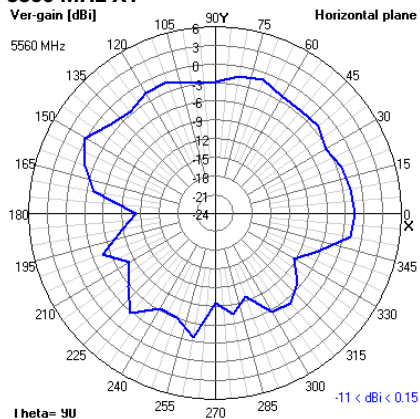
#### XZ



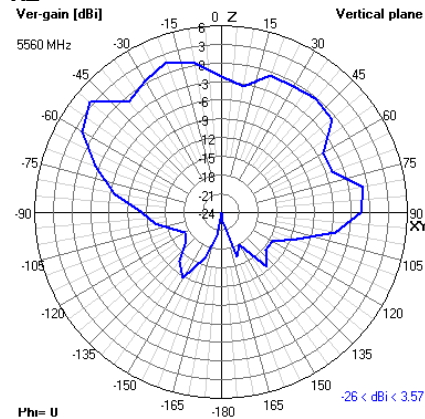
#### YZ



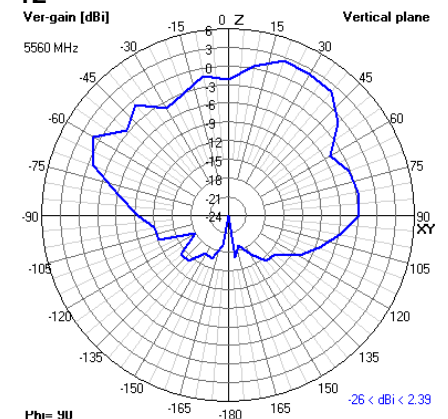
#### 5560 MHz XY



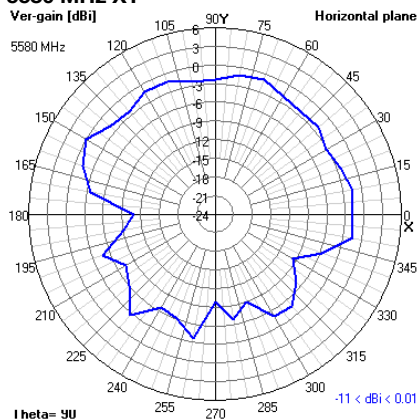
#### XZ



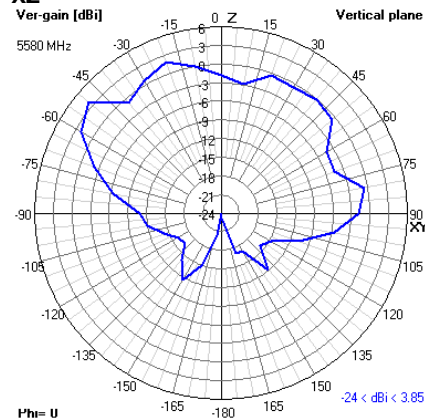
#### YZ



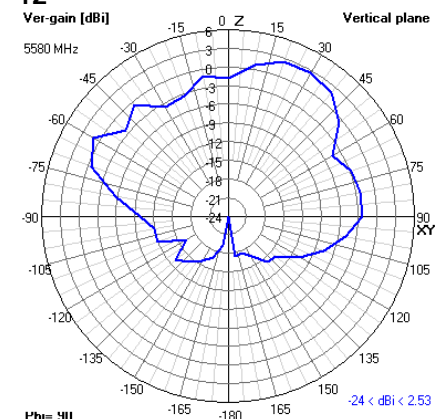
#### 5580 MHz XY



#### XZ



#### YZ

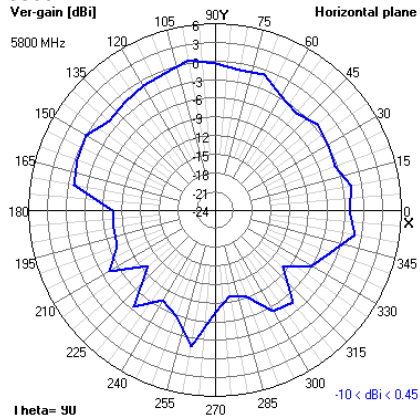


## Tango 55

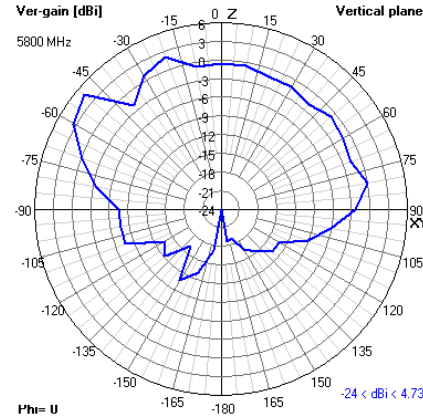
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Wi-Fi ]

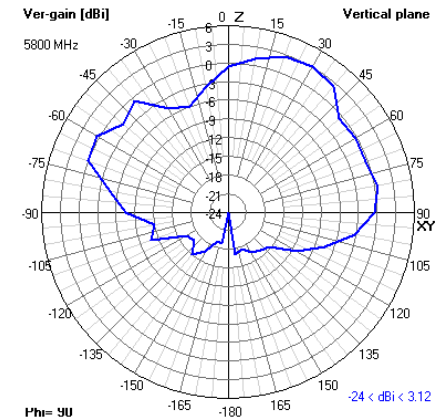
#### 5800 MHz XY



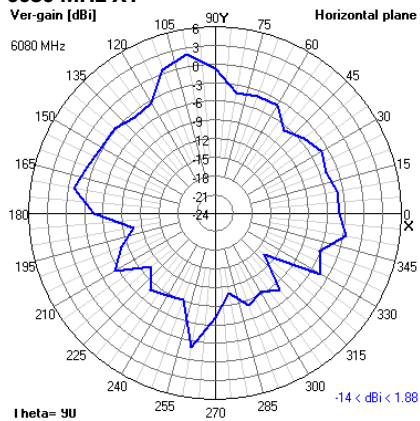
#### XZ



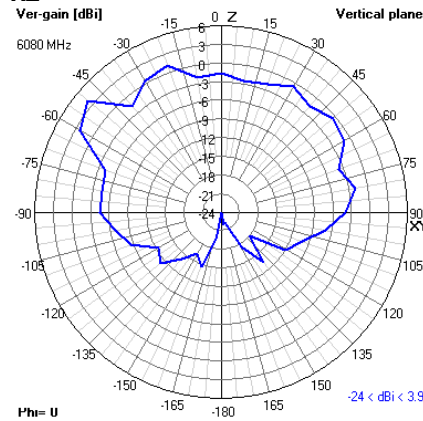
#### YZ



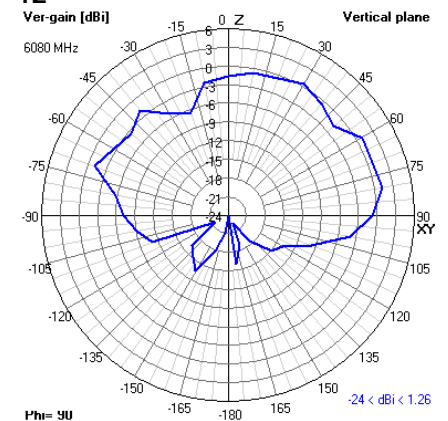
#### 6080 MHz XY



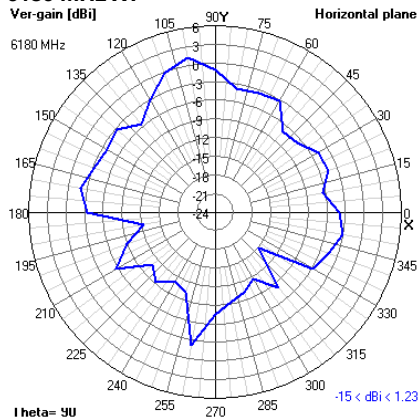
#### XZ



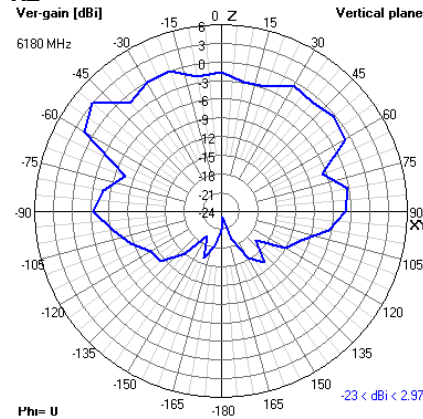
#### YZ



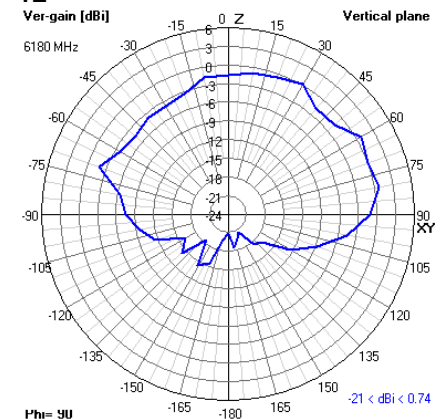
#### 6180 MHz XY



#### XZ



#### YZ

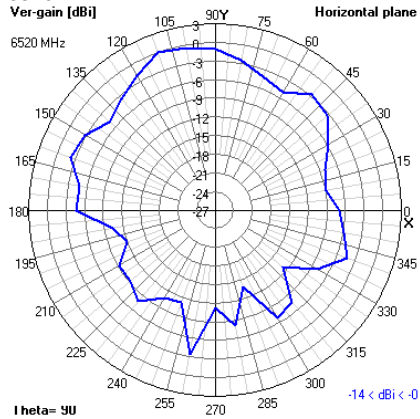


## Tango 55

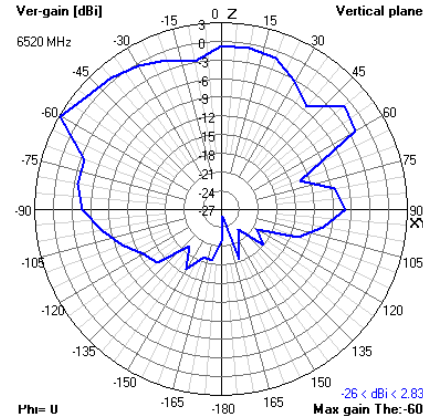
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ Wi-Fi ]

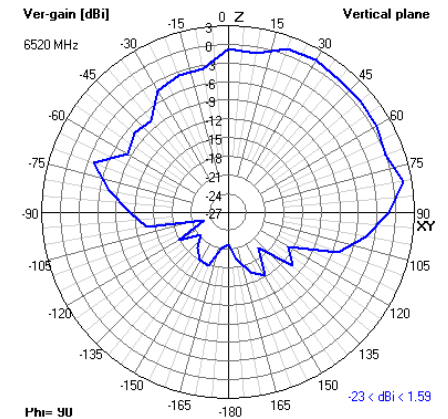
#### 6520 MHz XY



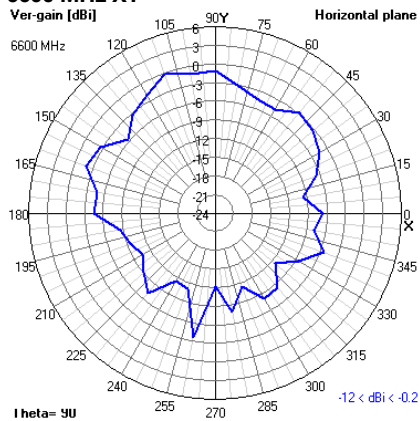
#### XZ



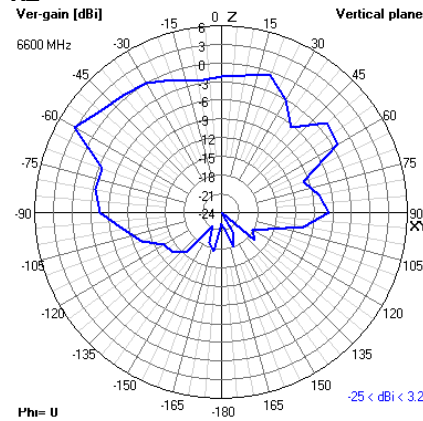
#### YZ



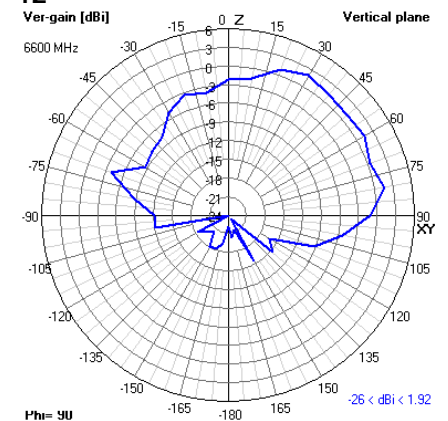
#### 6600 MHz XY



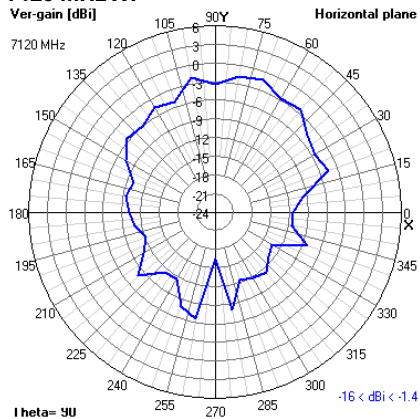
#### XZ



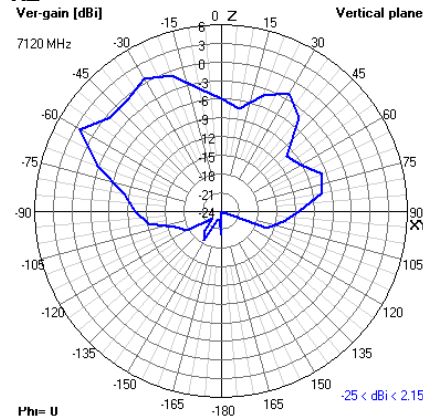
#### YZ



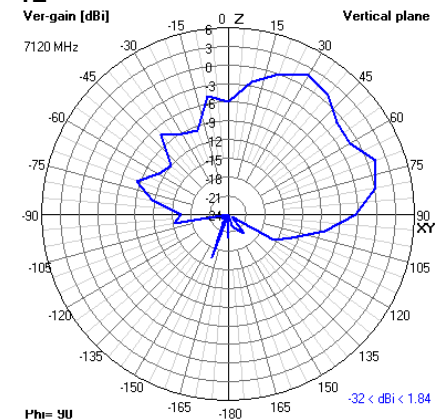
#### 7120 MHz XY



#### XZ



#### YZ

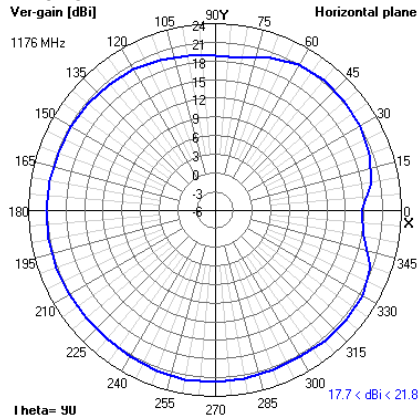


## Tango 55

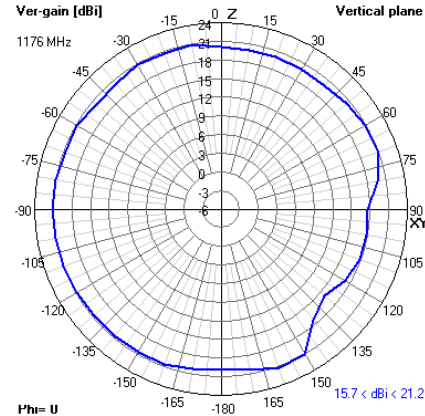
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 2D Radiation Plots [ GPS ]

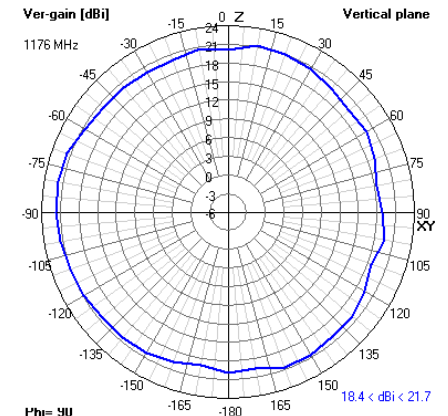
#### 1176.45 MHz XY



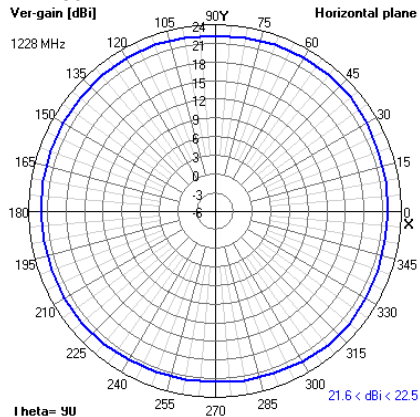
#### XZ



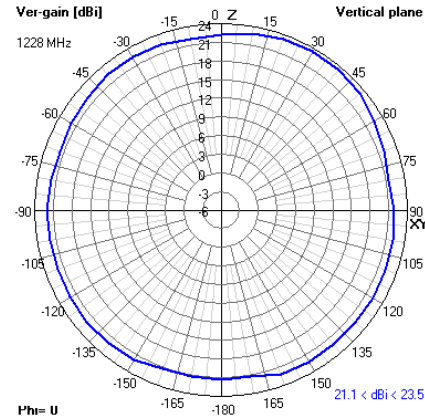
#### YZ



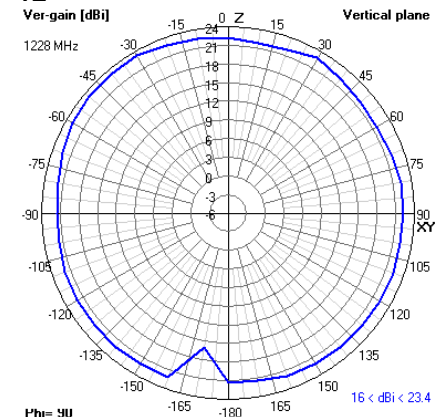
#### 1227.60 MHz XY



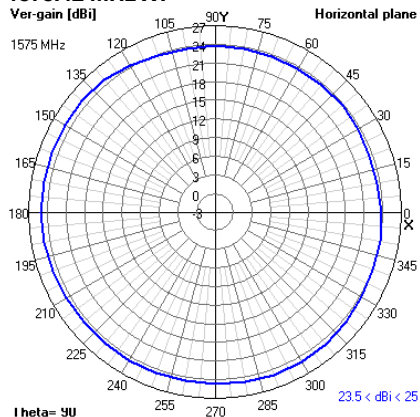
#### XZ



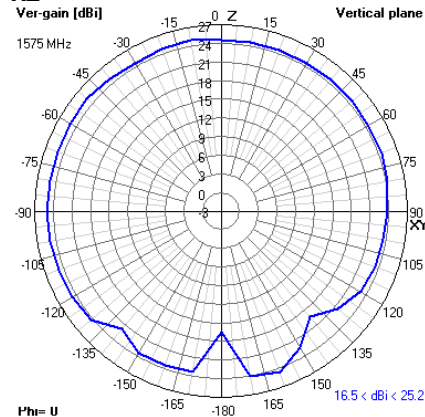
#### YZ



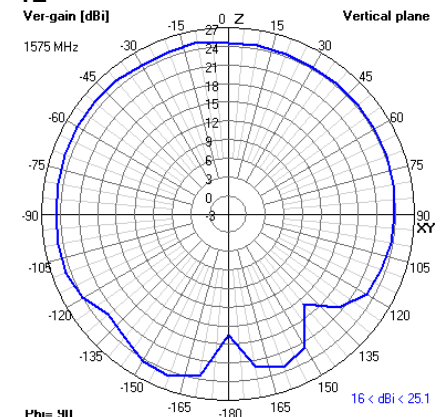
#### 1575.42 MHz XY



#### XZ



#### YZ



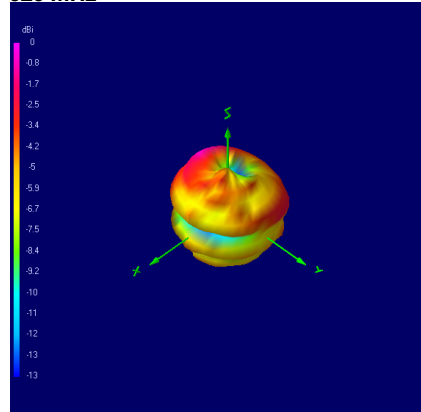


## Tango 55

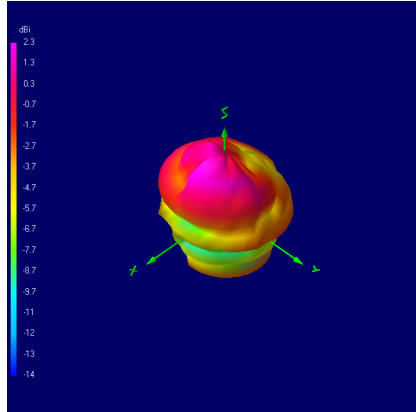
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 3D Radiation Plots [ Cellular ]

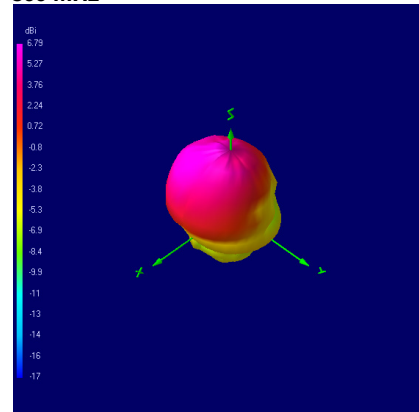
620 MHz



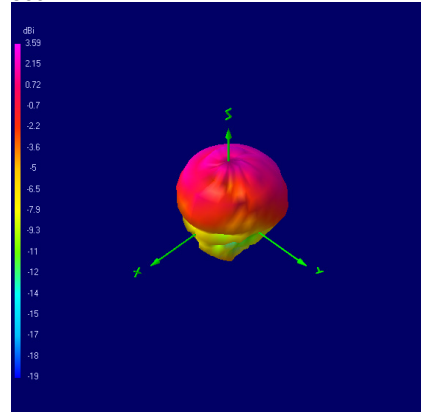
700 MHz



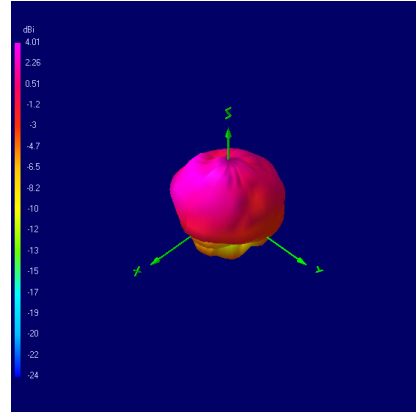
800 MHz



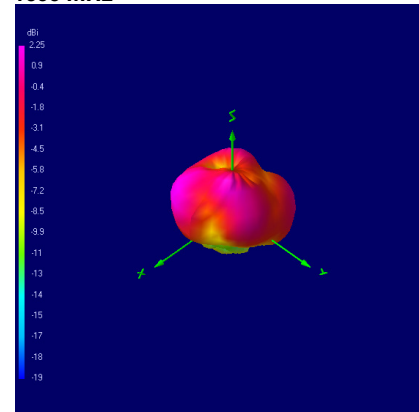
860 MHz



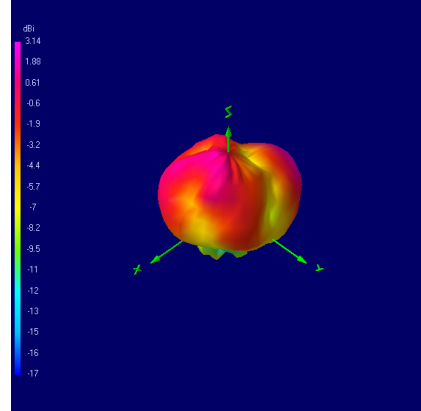
900 MHz



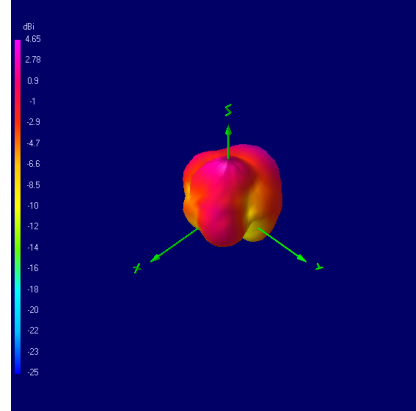
1600 MHz



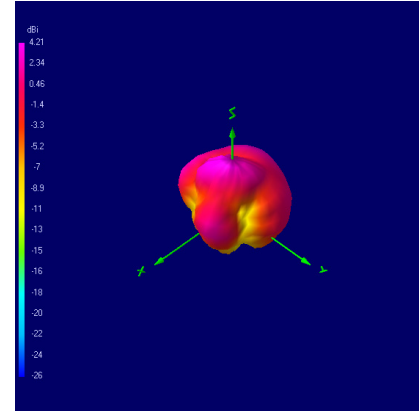
1700 MHz



1800 MHz



1900 MHz



**NOTE:** All 3D radiation plots are shown with Theta = 45 and Phi = 45.



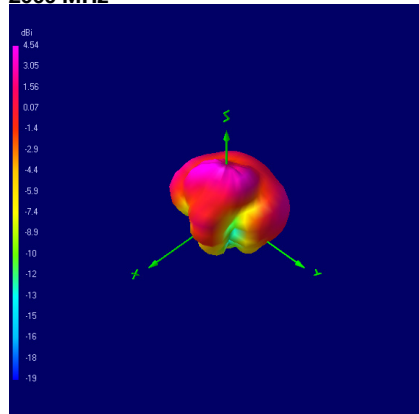


## Tango 55

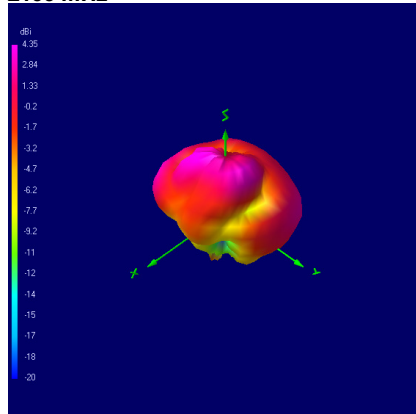
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 3D Radiation Plots [ Cellular ]

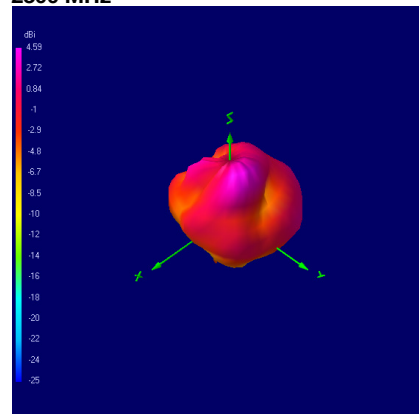
2000 MHz



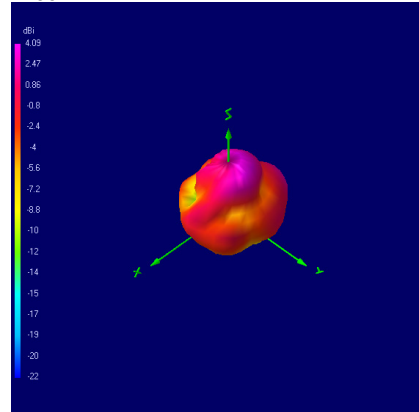
2100 MHz



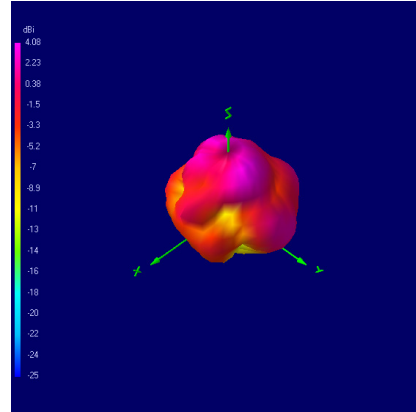
2300 MHz



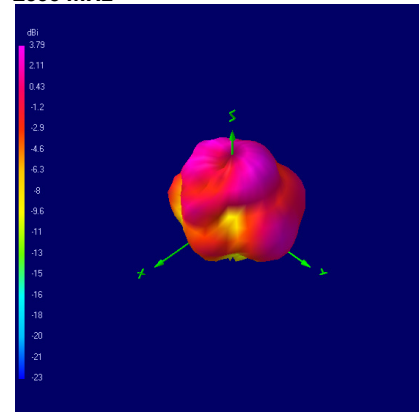
2400 MHz



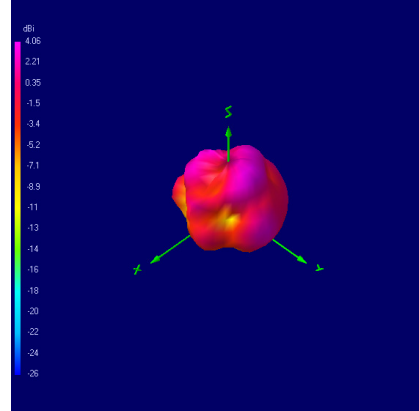
2500 MHz



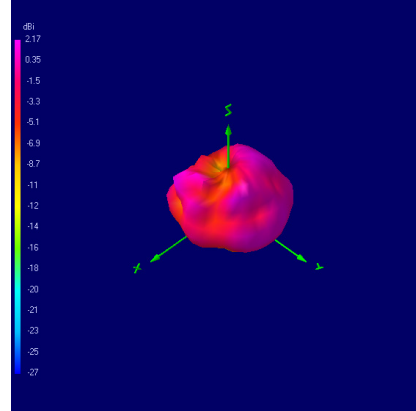
2600 MHz



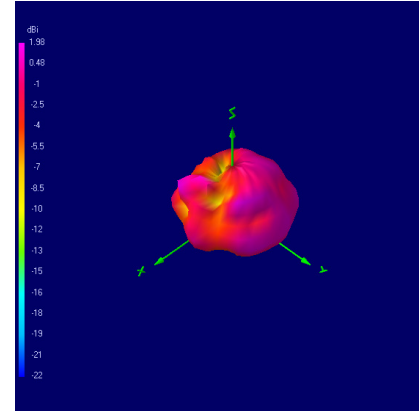
2700 MHz



3200 MHz



3300 MHz



**NOTE:** All 3D radiation plots are shown with Theta = 45 and Phi = 45.



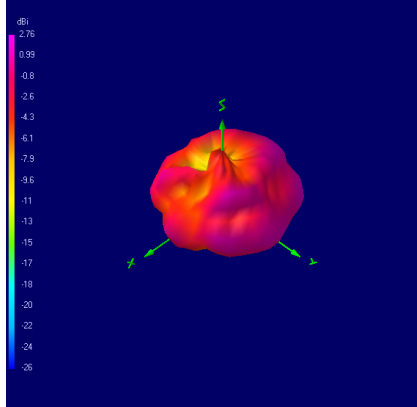


## Tango 55

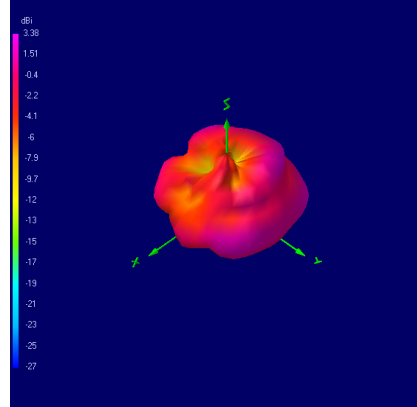
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 3D Radiation Plots [ Cellular ]

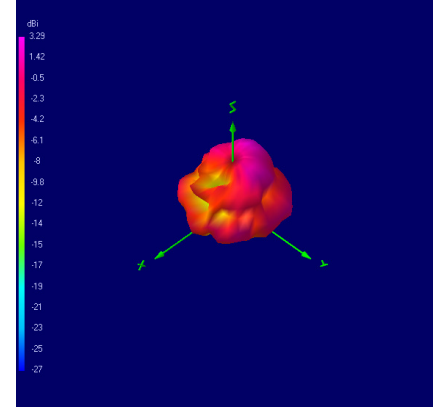
3500 MHz



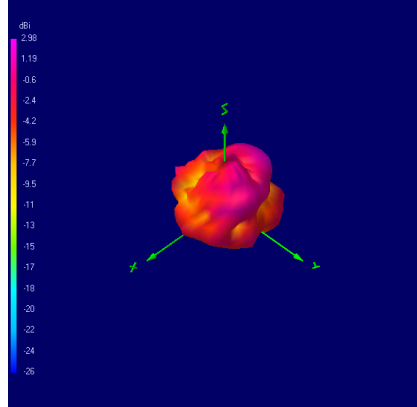
3700 MHz



4200 MHz



4700 MHz



**NOTE:** All 3D radiation plots are shown with Theta = 45 and Phi = 45.

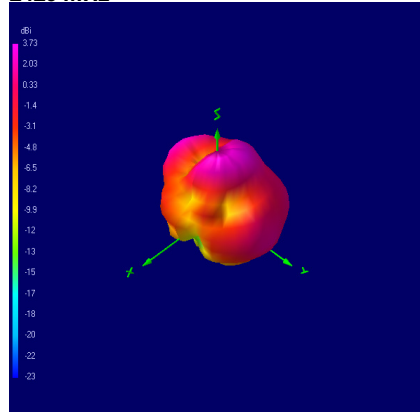


## Tango 55

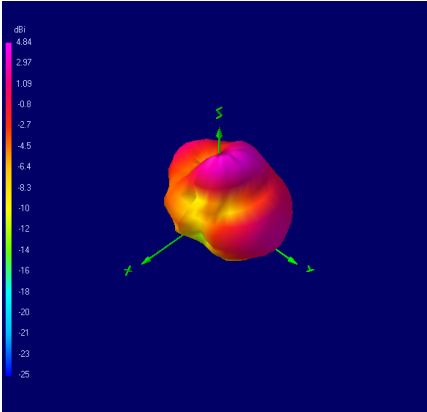
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 3D Radiation Plots [ Wi-Fi ]

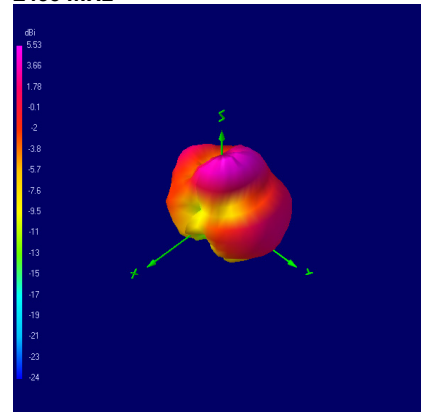
2420 MHz



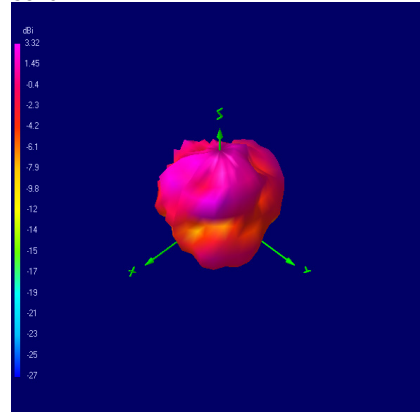
2440 MHz



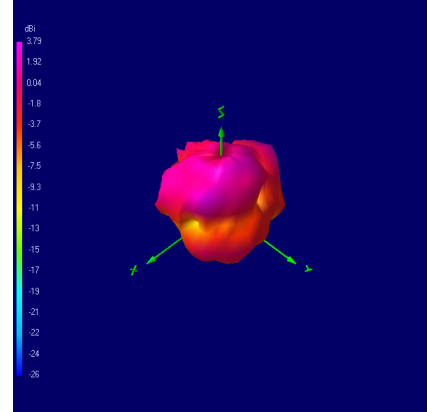
2460 MHz



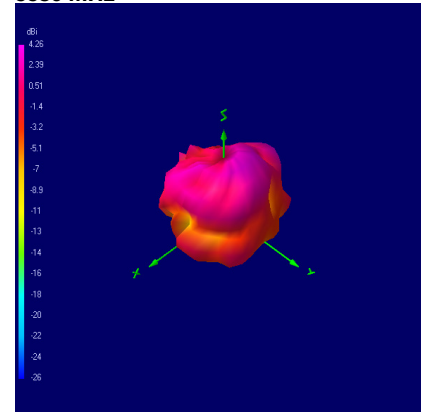
5540 MHz



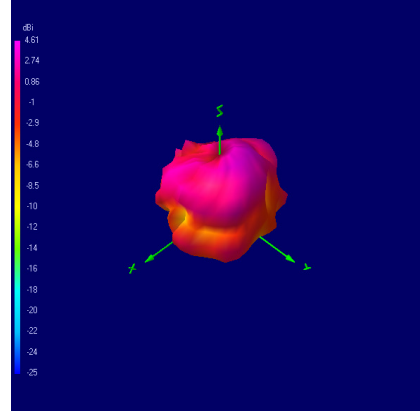
5560 MHz



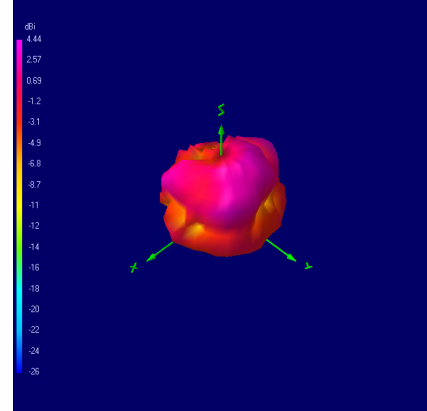
5580 MHz



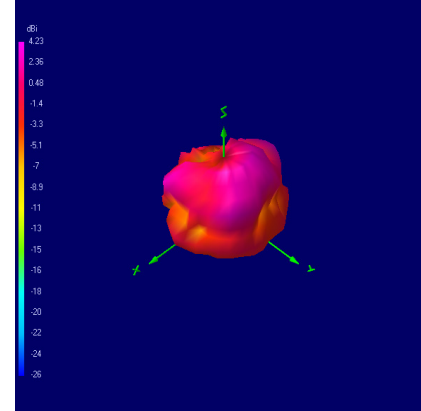
5800 MHz



6080 MHz



6180 MHz



**NOTE:** All 3D radiation plots are shown with Theta = 45 and Phi = 45.



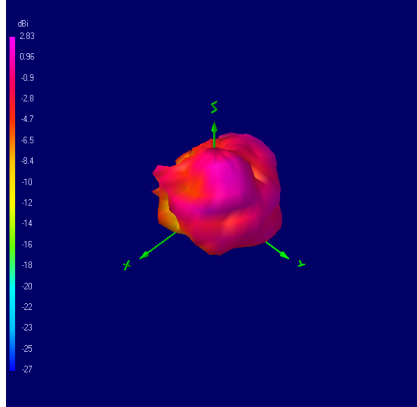


## Tango 55

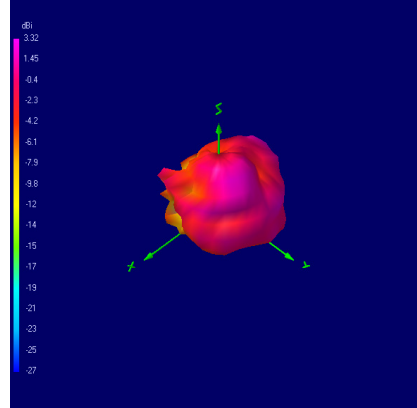
Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### 3D Radiation Plots [ Wi-Fi ]

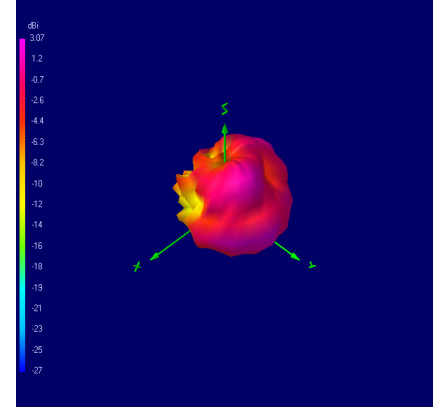
6520 MHz



6600 MHz



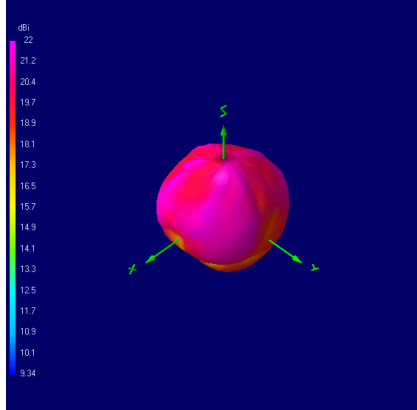
7120 MHz



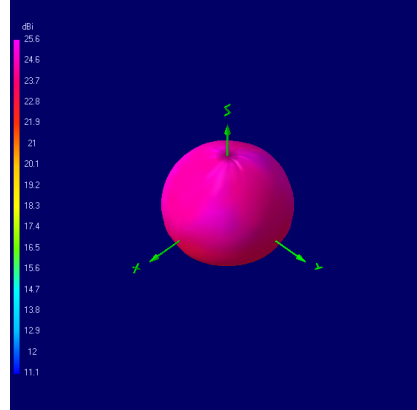
**NOTE:** All 3D radiation plots are shown with Theta = 45 and Phi = 45.

### 3D Radiation Plots [ GPS ]

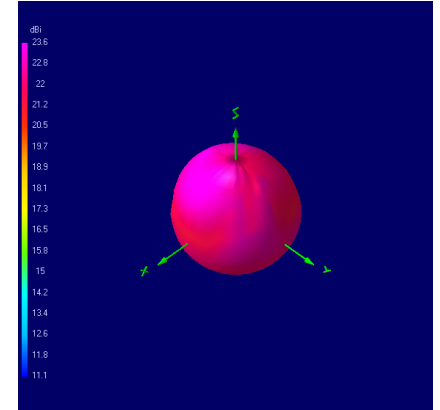
1176.45 MHz



1227.60 MHz



1575.42 MHz



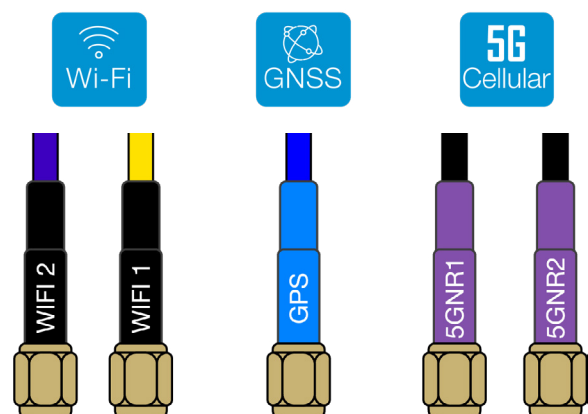
**NOTE:** All 3D radiation plots are shown with Theta = 45 and Phi = 45.



## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### Ordering Details:



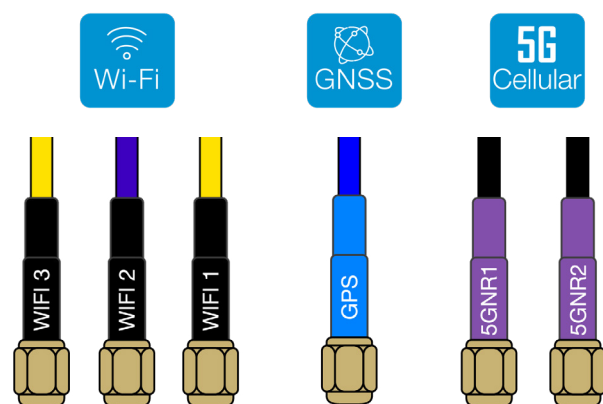
#### Option 1:

2x Cellular / 2x Wi-Fi / 1x GNSS

**Part Number:** TANGO55/MIMO/5-IN-1/1M/SMAM/RP-SMAM

**Description:** 5-IN-1 MIMO ANTENNA x1 GPS (SMAM) x2 5G (SMAM) x2 Wi-Fi (RP-SMAM) 1M CABLE

**Application:** A cost-effective solution for moderate use cases, balancing performance and cost for applications like fleet management, public safety, and IoT deployments.



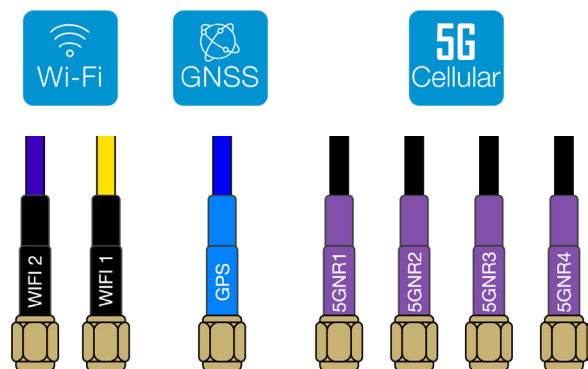
#### Option 2:

2x Cellular / 3x Wi-Fi / 1x GNSS

**Part Number:** TANGO55/MIMO/6-IN-1/1M/SMAM/RP-SMAM

**Description:** 6-IN-1 MIMO ANTENNA x1 GPS (SMAM) x2 5G (SMAM) x3 Wi-Fi (RP-SMAM) 1M CABLE

**Application:** Prioritizes Wi-Fi connectivity with moderate cellular capabilities, perfect for urban environments or applications with high Wi-Fi usage such as public transportation and large buildings.



#### Option 3:

4x Cellular / 2x Wi-Fi / 1x GNSS

**Part Number:** TANGO55/MIMO/7-IN-1/1M/SMAM/RP-SMAM

**Description:** 7-IN-1 MIMO ANTENNA x1 GPS (SMAM) x4 5G (SMAM) x2 Wi-Fi (RP-SMAM) 1M CABLE

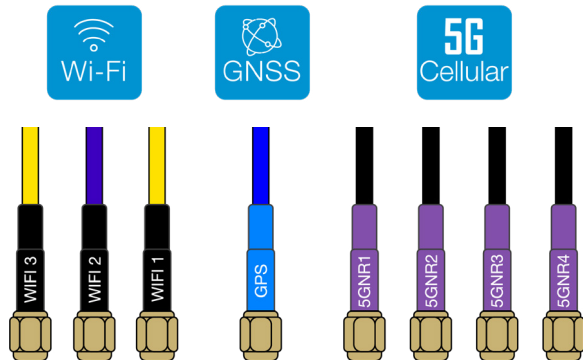
**Application:** Well-suited for general applications where strong cellular connectivity is paramount but also requires reliable Wi-Fi and GPS functionalities.



## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

### Ordering Details:



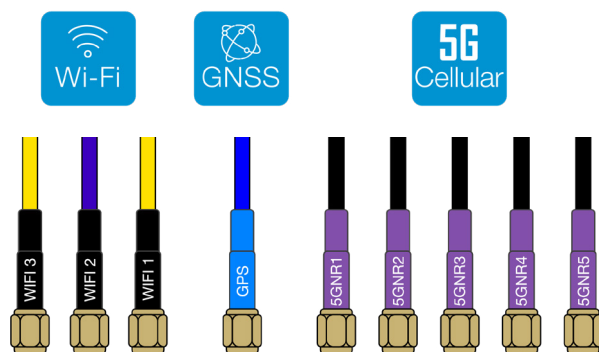
#### Option 4:

4x Cellular / 3x Wi-Fi / 1x GNSS

**Part Number:** TANGO55/MIMO/8-IN-1/1M/SMAM/RP-SMAM

**Description:** 8-IN-1 MIMO ANTENNA x1 GPS (SMAM) x4 5G (SMAM) x3 Wi-Fi (RP-SMAM) 1M CABLE

**Application:** This configuration is ideal for high-performance applications requiring the latest Wi-Fi technology and robust cellular connectivity, making it perfect for environments with high data demands and tri-band Wi-Fi 7 support.



#### Option 5:

4x Cellular / 4x Wi-Fi / 1x GNSS

**Part Number:** TANGO55/MIMO/9-IN-1/1M/SMAM/RP-SMAM

**Description:** 9-IN-1 MIMO ANTENNA x1 GPS (SMAM) x4 5G (SMAM) x4 Wi-Fi (RP-SMAM) 1M CABLE

**Application:** Designed for maximum Wi-Fi and cellular performance, this configuration suits applications requiring the highest levels of connectivity, such as remote video monitoring, mobile broadband, and critical communications.

## Tango 55

Wideband IP67 MIMO Puck Antenna for 5G/4G Cellular, Wi-Fi 7 and GPS L1/L2/L5

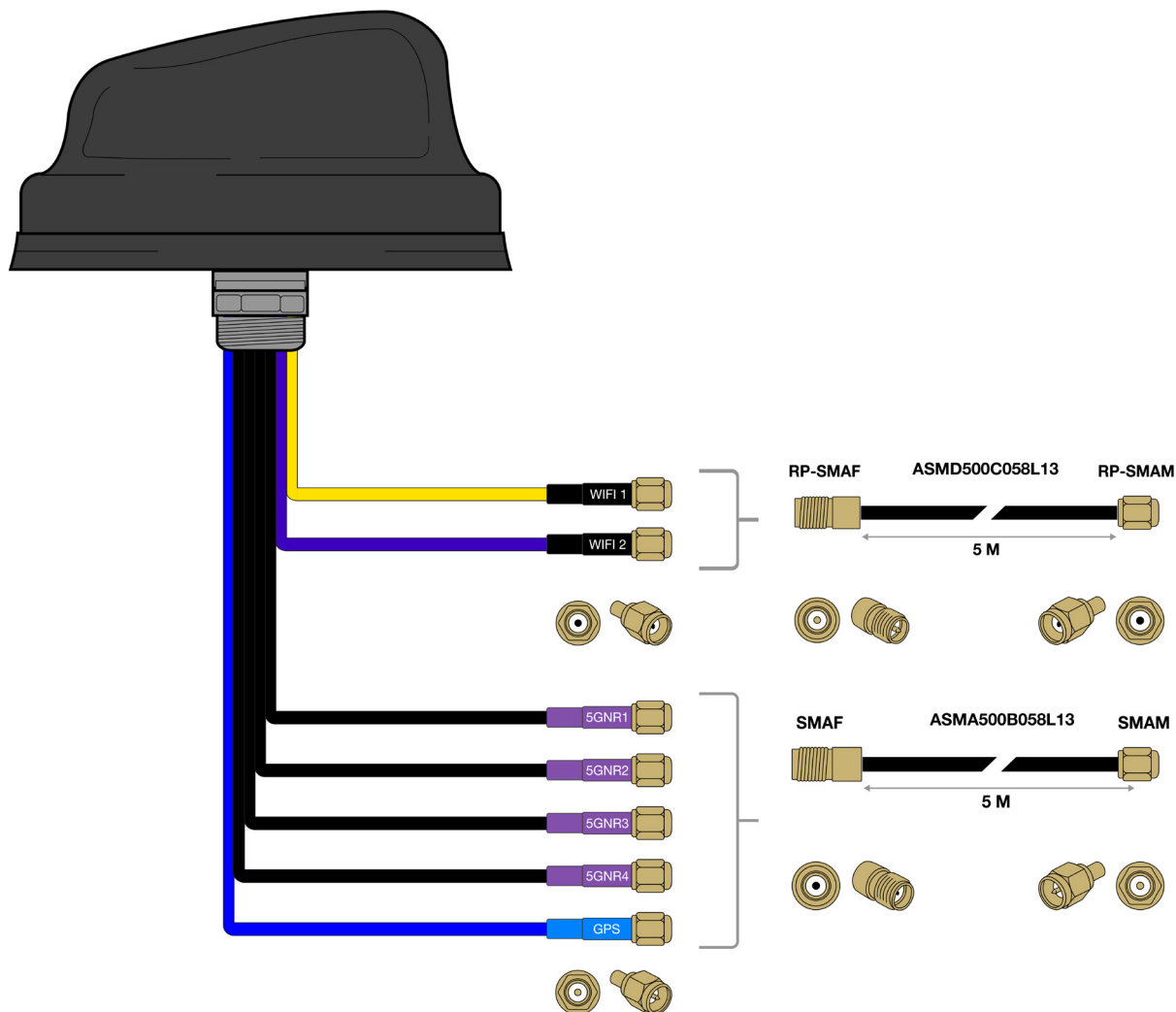
### Associated Cables:

We offer a variety of extension cables to complement the Tango 55, ensuring flexibility and convenience for your installation needs:

To extend the Wi-Fi ports by an additional 5 meters, please order the Siretta cable ASMD500C058L13 from your local authorised Siretta Distributor.

To extend the Cellular and GPS ports by an additional 5 meters, please order the Siretta cable ASMA500B058L13 from your local authorised Siretta Distributor.

Should you require a specific cable length or connector type not listed in our standard offerings, please contact us at [sales@siretta.com](mailto:sales@siretta.com).



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