



Oscar 67

High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz



Key Features

- 700 – 960 MHz support
- Supports IEEE 802.15.4, LoRa, Sigfox, Zigbee and Z-Wave and Helium bands
- Wide beam-width directional coverage
- Engineering grade ASA plastic radome
- 9 dBi gain

General Description

The OSCAR 67 is a highly efficient wide beam directional antenna designed for use in the 868 and 915 MHz frequency bands. With a peak gain of 9 dBi, a VSWR of 1.35 and the ability to handle up to 100 watts of power, this antenna is perfect for your ISM, LoRa, Sigfox, Zigbee, Helium and Z-Wave applications.

The antenna's radome is made of Engineering grade ASA plastic and can be set up with vertical or horizontal polarization. Some common applications include Remote Sensor Telemetry, Smart Manufacturing and Medical Device Communication.

The OSCAR 68 comes with a wall mount and a pole mount, both are made of steel with an anti-rust treatment and can be adjusted to optimise signal strength.

Additional Considerations

- Optional Pole mount and wall mount included
- For associated low loss cables for this antenna, please see ordering information on page 20





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Electrical Specifications

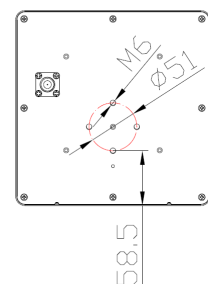
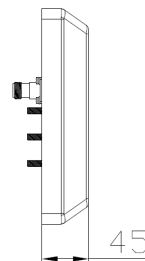
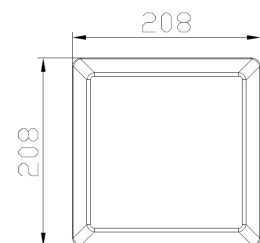
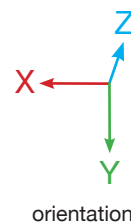
| | |
|---------------------------|-----------------|
| Impedance: | 50 Ohm |
| Polarization: | Vertical/Linear |
| Max Input Power: | 100 W |
| Ground plane independent: | Yes |

Environmental Specifications

| | |
|------------------------------|---------------|
| Operating Temperature range: | -45 to +75 °C |
| Storage Temperature range: | -50 to +75 °C |

Mechanical Specifications

| | |
|--------------------|-------------------------------------|
| Dimensions: | 208 x 208 x 45 mm |
| Weight: | 1.2 Kg |
| Connector: | N Female, Long Neck |
| Mounting method: | Pole mount or Wall mount (optional) |
| Housing materials: | ASA plastic |

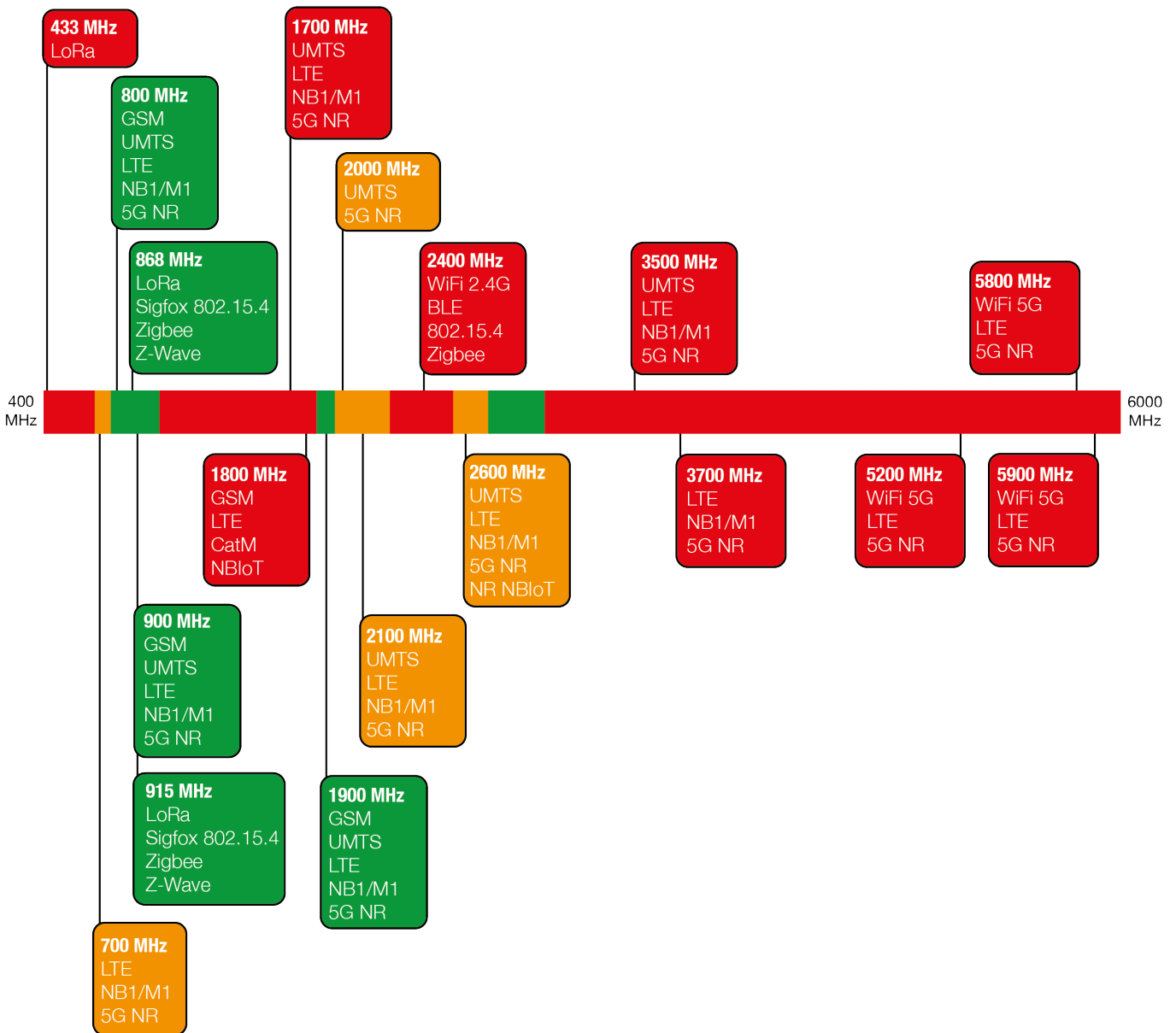




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Spectrum Coverage



● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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Usable Cellular Frequency Support (410 MHz – 1900 MHz)

| | 410 | 450 | 600 | 700 | 800 | 850 | 900 | 1500 | 1600 | 1700 | 1800 | 1900 |
|-------------------|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
| GSM Bands: | | | | | | ● | ● | | | | | ● |
| UMTS Bands: | | | | ● | ● | ● | ● | | | | | ● |
| LTE Bands: | | | | ● | ● | ● | ● | | | ● | | ● |
| LTE Cat M Bands: | | | | ● | ● | ● | ● | | | | | ● |
| LTE Cat NB Bands: | | | | ● | ● | ● | ● | | | ● | | ● |
| 5G NR Bands: | | | | ● | ● | ● | ● | | | ● | | ● |
| NR Cat NB Bands: | | | | ● | ● | ● | ● | | | ● | | ● |

Usable Cellular Frequency Support (2000 MHz – 5900 MHz)

| | 2000 | 2100 | 2300 | 2400 | 2500 | 2600 | 3300 | 3500 | 3700 | 4700 | 5200 | 5900 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| GSM Bands: | | | | | | | | | | | | |
| UMTS Bands: | | ● | | | | | | | | | | |
| LTE Bands: | ● | ● | | | | | | | | | | |
| LTE Cat M Bands: | | ● | | | | | | | | | | |
| LTE Cat NB Bands: | | ● | | | | | | | | | | |
| 5G NR Bands: | ● | ● | | | | | | | | | | |
| NR Cat NB Bands: | | ● | | | | | | | | | | |

Usable ISM Frequency Support (433 MHz - 5800 MHz)

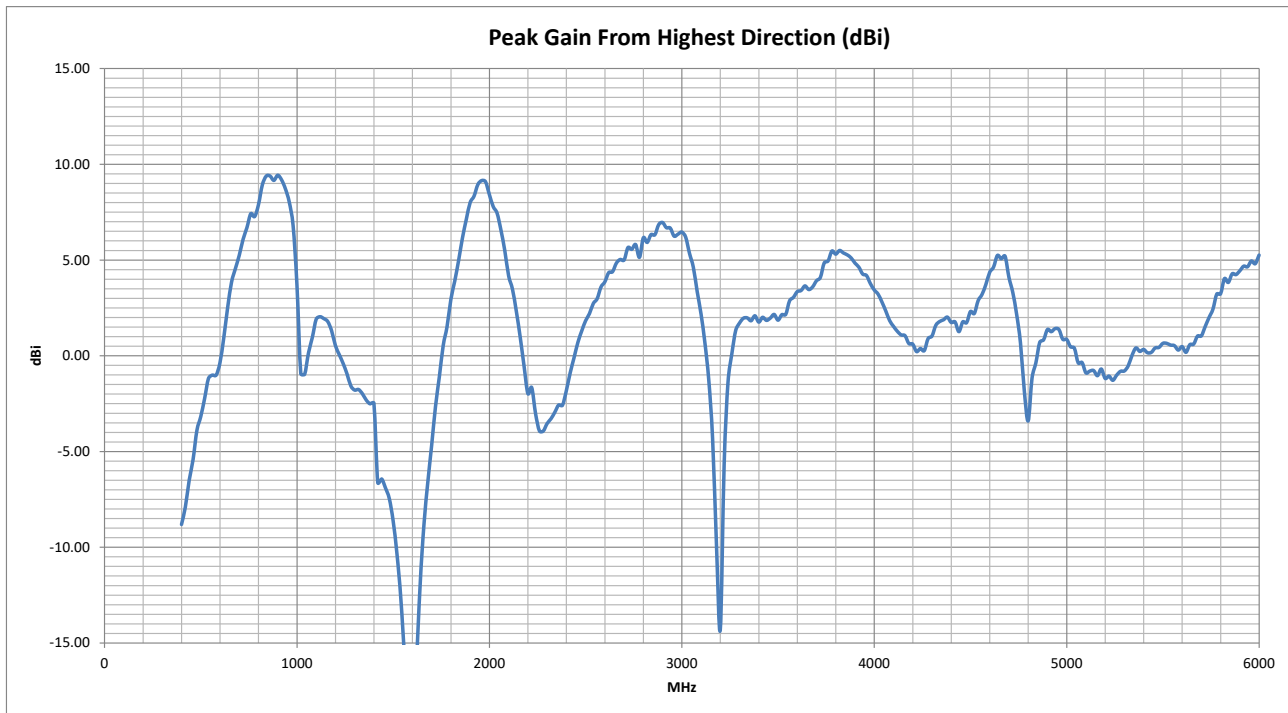
| | 433 | 868 | 915 | 2450 | 5800 |
|---------------|-----|-----|-----|------|------|
| Bluetooth | | | | | |
| IEEE 802.15.4 | | ● | ● | | |
| LoRa | | ● | ● | | |
| Sigfox | | ● | ● | | |
| WiFi 2.4G | | | | | |
| WiFi 5G | | | | | |
| Zigbee | | ● | ● | | |
| Z-Wave | | ● | ● | | |



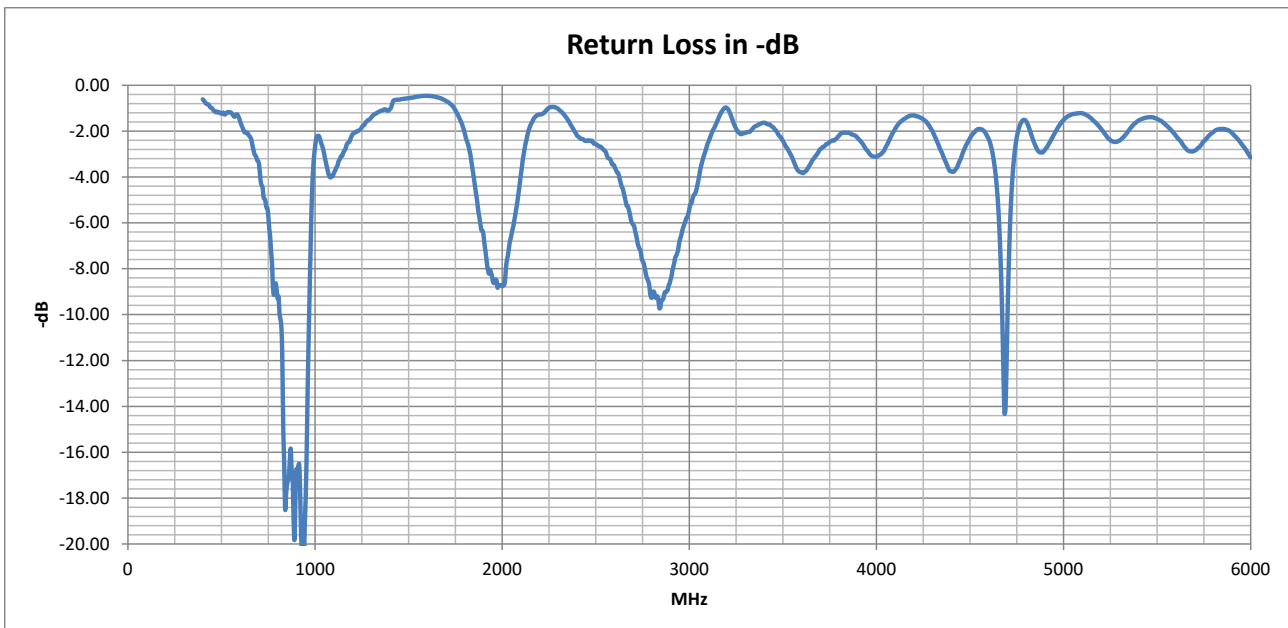
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Peak Gain vs. Frequency



Return Loss

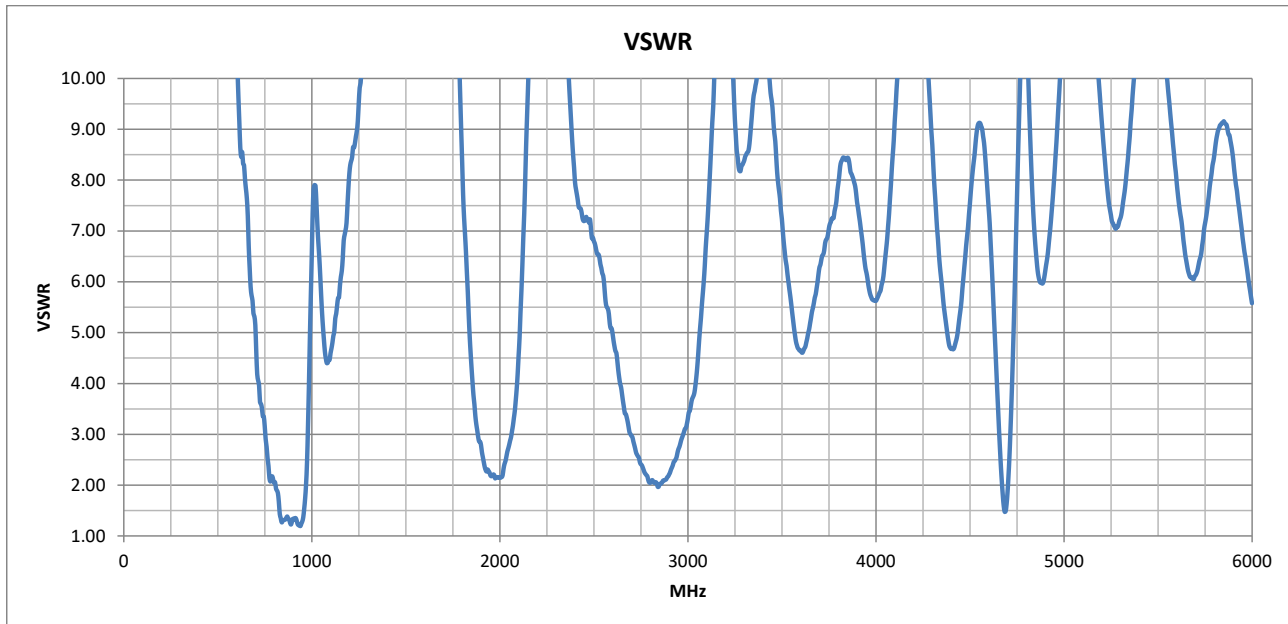




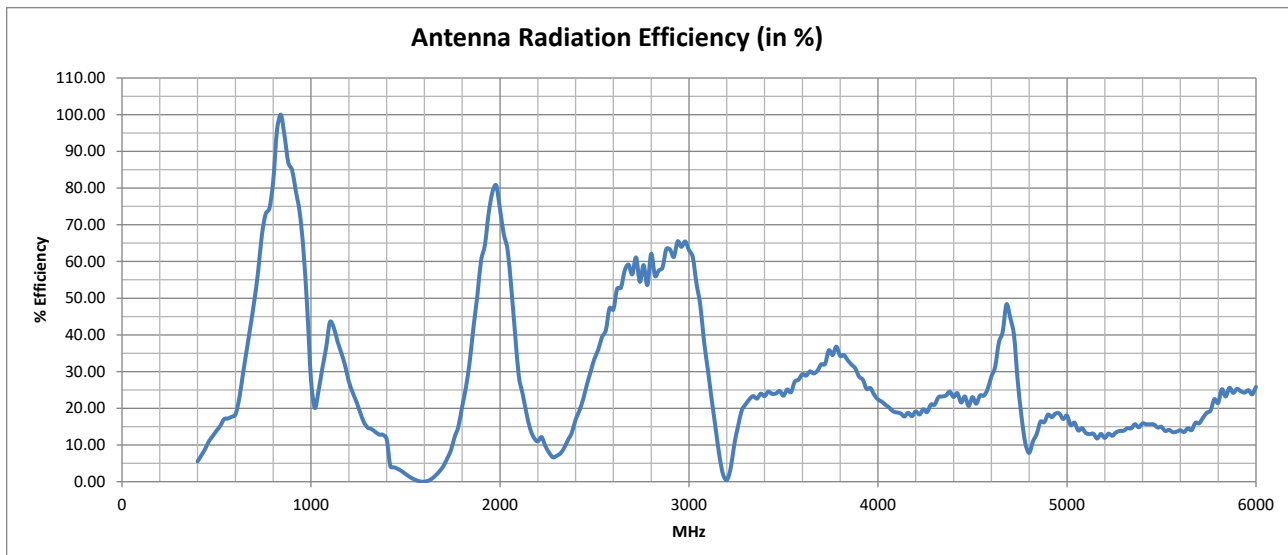
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VSWR



Radiation Efficiency





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Cellular Standards Band Support

| 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 | 74.85 | 19.08 | 2.36 | 12.07 | ● |
| PCS-1900 | 2 | 2 | 2 | 2 | n2 | n2 | 1850 - 1910 MHz | 1930 - 1990 MHz | 50.78 | 76.94 | 4.30 | 2.31 | ● |
| DCS-1800 | 3 | 3 | 3 | 3 | n3 | n3 | 1710 - 1785 MHz | 1805 - 1880 MHz | 10.18 | 34.93 | 23.56 | 7.71 | ● |
| | 4 | 4 | 4 | 4 | | | 1710 - 1755 MHz | 2110 - 2155 MHz | 7.86 | 20.73 | 23.56 | 10.37 | ● |
| GSM-850 | 5 | 5 | 5 | 5 | n5 | n5 | 824 - 849 MHz | 869 - 894 MHz | 98.43 | 87.39 | 1.71 | 1.38 | ● |
| | 6 | | | | | | 830 - 840 MHz | 875 - 885 MHz | 98.93 | 87.23 | 1.43 | 1.34 | ● |
| | 7 | 7 | 7 | 7 | n7 | n7 | 2500 - 2570 MHz | 2620 - 2690 MHz | 38.33 | 55.86 | 6.80 | 4.60 | ● |
| E-GSM-900 | 8 | 8 | 8 | 8 | n8 | n8 | 880 - 915 MHz | 925 - 960 MHz | 84.54 | 71.39 | 1.35 | 1.54 | ● |
| | 9 | 9 | | | | | 1749.9 - 1784.9 MHz | 1844.9 - 1879.9 MHz | 13.23 | 43.02 | 15.91 | 4.60 | ● |
| | 10 | 10 | | | | | 1710 - 1770 MHz | 2110 - 2170 MHz | 9.03 | 19.08 | 23.56 | 12.07 | ● |
| | 11 | 11 | 11 | 11 | | | 1427.9 - 1447.9 MHz | 1475.9 - 1495.9 MHz | 3.95 | 2.65 | 27.58 | 30.35 | ● |
| | 12 | 12 | 12 | 12 | n12 | n12 | 699 - 716 MHz | 729 - 746 MHz | 52.26 | 65.67 | 5.18 | 3.61 | ● |
| | 13 | 13 | 13 | 13 | n13 | n13 | 777 - 787 MHz | 746 - 756 MHz | 75.35 | 70.33 | 2.15 | 3.31 | ● |
| | 14 | 14 | 14 | 14 | n14 | | 788 - 798 MHz | 758 - 768 MHz | 79.27 | 73.13 | 2.18 | 2.82 | ● |
| | | 17 | | 17 | | | 704 - 716 MHz | 734 - 746 MHz | 53.23 | 66.83 | 4.73 | 3.53 | ● |
| | | 18 | 18 | 18 | n18 | n18 | 815 - 830 MHz | 860 - 875 MHz | 95.85 | 91.45 | 1.89 | 1.38 | ● |
| | 19 | 19 | 19 | 19 | | | 830 - 845 MHz | 875 - 890 MHz | 99.04 | 86.87 | 1.43 | 1.34 | ● |
| | 20 | 20 | 20 | 20 | n20 | n20 | 832 - 862 MHz | 791 - 821 MHz | 97.42 | 86.44 | 1.40 | 2.16 | ● |
| | 21 | 21 | 21 | 21 | | | 1447.9 - 1462.9 MHz | 1495.9 - 1510.9 MHz | 3.59 | 2.00 | 28.62 | 31.44 | ● |
| | 22 | 22 | | | | | 3410 - 3490 MHz | 3510 - 3590 MHz | 24.23 | 26.14 | 10.45 | 6.78 | ● |
| | | 24 | 24 | 24 | n24 | | 1626.5 - 1660.5 MHz | 1525 - 1559 MHz | 1.05 | 0.78 | 35.92 | 35.77 | ● |
| | 25 | 25 | 25 | 25 | n25 | n25 | 1850 - 1915 MHz | 1930 - 1995 MHz | 51.71 | 76.92 | 4.30 | 2.31 | ● |
| | 26 | 26 | 26 | 26 | n26 | | 814 - 849 MHz | 859 - 894 MHz | 97.34 | 88.92 | 1.90 | 1.38 | ● |
| | | 27 | 27 | | | | 807 - 824 MHz | 852 - 869 MHz | 92.37 | 93.87 | 2.01 | 1.38 | ● |
| | | 28 | 28 | 28 | n28 | n28 | 703 - 748 MHz | 758 - 803 MHz | 60.09 | 76.26 | 4.84 | 2.82 | ● |

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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Cellular Standards Band Support

| 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 |
|---------------|----------------|------------------|-------------------|--------------------|--------------|---------------------|-------------------|-------------------|-------------------------------|---------------------------------|---------------------|-----------------------|---------------|
| | | 28A | | | | | 703 - 733 MHz | 758 - 788 MHz | 56.67 | 74.24 | 4.84 | 2.82 | ● |
| | | 29 | | | n29 | | N/A | 717 - 728 MHz | N/A | 58.44 | N/A | 4.02 | ● |
| | | 30 | | | n30 | | 2305 - 2315 MHz | 2350 - 2360 MHz | 7.40 | 10.86 | 16.10 | 11.62 | ● |
| | | 31 | 31 | 31 | | | 452.5 - 457.5 MHz | 462.5 - 467.5 MHz | 10.52 | 11.39 | 16.67 | 15.30 | ● |
| | 32 | 32 | | | | | N/A | 1452 - 1496 MHz | N/A | 3.03 | N/A | 30.36 | ● |
| | | 33 | | | | | 1900 - 1920 MHz | 1900 - 1920 MHz | 62.34 | 62.34 | 2.79 | 2.79 | ● |
| | | 34 | | | n34 | | 2010 - 2025 MHz | 2010 - 2025 MHz | 68.42 | 68.42 | 2.42 | 2.42 | ● |
| | | 35 | | | | | 1850 - 1910 MHz | 1850 - 1910 MHz | 50.78 | 50.78 | 4.30 | 4.30 | ● |
| | | 36 | | | | | 1930 - 1990 MHz | 1930 - 1990 MHz | 76.94 | 76.94 | 2.31 | 2.31 | ● |
| | | 37 | | | | | 1910 - 1930 MHz | 1910 - 1930 MHz | 64.99 | 64.99 | 2.55 | 2.55 | ● |
| | | 38 | | | n38 | | 2570 - 2620 MHz | 2570 - 2620 MHz | 47.89 | 47.89 | 5.50 | 5.50 | ● |
| | | 39 | 39 | | n39 | | 1880 - 1920 MHz | 1880 - 1920 MHz | 58.87 | 58.87 | 3.08 | 3.08 | ● |
| | | 40 | 40 | | n40 | | 2300 - 2400 MHz | 2300 - 2400 MHz | 10.74 | 10.74 | 16.74 | 16.74 | ● |
| | | 41 | 41 | 41 | n41 | n41 | 2496 - 2690 MHz | 2496 - 2690 MHz | 47.01 | 47.01 | 6.86 | 6.86 | ● |
| | | 42 | 42 | 42 | | | 3400 - 3600 MHz | 3400 - 3600 MHz | 25.16 | 25.16 | 10.62 | 10.62 | ● |
| | | 43 | 43 | 43 | | | 3600 - 3800 MHz | 3600 - 3800 MHz | 32.17 | 32.17 | 7.93 | 7.93 | ● |
| | | 44 | | | | | 703 - 803 MHz | 703 - 803 MHz | 68.45 | 68.45 | 4.84 | 4.84 | ● |
| | | 45 | | | | | 1447 - 1467 MHz | 1447 - 1467 MHz | 3.54 | 3.54 | 28.87 | 28.87 | ● |
| | | 46 | | | n46 | | 5150 - 5925 MHz | 5150 - 5925 MHz | 16.54 | 16.54 | 12.48 | 12.48 | ● |
| | | 47 | | | n47 | | 5855 - 5925 MHz | 5855 - 5925 MHz | 24.89 | 24.89 | 9.12 | 9.12 | ● |
| | | 48 | | | n48 | | 3550 - 3700 MHz | 3550 - 3700 MHz | 29.17 | 29.17 | 6.29 | 6.29 | ● |
| | | 49 | | | | | 3550 - 3700 MHz | 3550 - 3700 MHz | 29.17 | 29.17 | 6.29 | 6.29 | ● |
| | | 50 | | | n50 | | 1432 - 1517 MHz | 1432 - 1517 MHz | 2.95 | 2.95 | 31.80 | 31.80 | ● |
| | | 51 | | | n51 | | 1427 - 1432 MHz | 1427 - 1432 MHz | 4.08 | 4.08 | 27.04 | 27.04 | ● |
| | | 52 | | | | | 3300 - 3400 MHz | 3300 - 3400 MHz | 22.93 | 22.93 | 10.63 | 10.63 | ● |

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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Cellular Standards Band Support

| 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 |
|---------------|----------------|------------------|-------------------|--------------------|--------------|---------------------|-------------------|-------------------|-------------------------------|---------------------------------|---------------------|-----------------------|---------------|
| | | 53 | | | n53 | | 2483.5 - 2495 MHz | 2483.5 - 2495 MHz | 31.65 | 31.65 | 7.09 | 7.09 | ● |
| | | 65 | | 65 | n65 | n65 | 1920 - 2010 MHz | 2110 - 2200 MHz | 75.19 | 16.67 | 2.36 | 13.61 | ● |
| | | 66 | 66 | 66 | n66 | n66 | 1710 - 1780 MHz | 2110 - 2200 MHz | 9.78 | 16.67 | 23.56 | 13.61 | ● |
| | | 67 | | | n67 | | N/A | 738 - 758 MHz | N/A | 69.44 | N/A | 3.42 | ● |
| | | 68 | | | | | 698 - 728 MHz | 753 - 783 MHz | 54.53 | 73.43 | 5.22 | 3.01 | ● |
| | | 69 | | | | | N/A | 2570 - 2620 MHz | N/A | 47.89 | N/A | 5.50 | ● |
| | | 70 | | 70 | n70 | n70 | 1695 - 1710 MHz | 1995 - 2020 MHz | 4.49 | 71.72 | 26.14 | 2.32 | ● |
| | | 71 | 71 | 71 | n71 | | 663 - 698 MHz | 617 - 652 MHz | 42.71 | 27.51 | 6.93 | 8.94 | ● |
| | | 72 | 72 | 72 | | | 451 - 456 MHz | 461 - 466 MHz | 10.36 | 11.29 | 16.97 | 15.39 | ● |
| | | 73 | 73 | 73 | | | 450 - 455 MHz | 460 - 465 MHz | 10.26 | 11.22 | 17.17 | 15.45 | ● |
| | | 74 | 74 | 74 | n74 | | 1427 - 1470 MHz | 1475 - 1518 MHz | 3.72 | 2.26 | 28.99 | 31.86 | ● |
| | | 75 | | | n75 | | N/A | 1432 - 1517 MHz | N/A | 2.95 | N/A | 31.80 | ● |
| | | 76 | | | n76 | | N/A | 1427 - 1432 MHz | N/A | 4.08 | N/A | 27.04 | ● |
| | | | | | n77 | | 3300 - 4200 MHz | 3300 - 4200 MHz | 26.06 | 26.06 | 13.24 | 13.24 | ● |
| | | | | | n78 | | 3300 - 3800 MHz | 3300 - 3800 MHz | 27.52 | 27.52 | 10.63 | 10.63 | ● |
| | | | | | n79 | | 4400 - 5000 MHz | 4400 - 5000 MHz | 23.60 | 23.60 | 11.51 | 11.51 | ● |
| | | | | | n80 | | 1710 - 1785 MHz | N/A | 10.18 | N/A | 23.56 | N/A | ● |
| | | | | | n81 | | 880 - 915 MHz | N/A | 84.54 | N/A | 1.35 | N/A | ● |
| | | | | | n82 | | 832 - 862 MHz | N/A | 97.42 | N/A | 1.40 | N/A | ● |
| | | | | | n83 | | 703 - 748 MHz | N/A | 60.09 | N/A | 4.84 | N/A | ● |
| | | | | | n84 | | 1920 - 1980 MHz | N/A | 74.85 | N/A | 2.36 | N/A | ● |
| | | 85 | 85 | 85 | n85 | | 698 - 716 MHz | 728 - 746 MHz | 52.06 | 65.43 | 5.22 | 3.61 | ● |
| | | | | | n86 | | 1710 - 1780 MHz | N/A | 9.78 | N/A | 23.56 | N/A | ● |
| | | 87 | 87 | 87 | | | 410 - 415 MHz | 420 - 425 MHz | 6.58 | 7.41 | 24.23 | 21.16 | ● |
| | | 88 | 88 | 88 | | | 412 - 417 MHz | 422 - 427 MHz | 6.74 | 7.59 | 23.49 | 21.12 | ● |

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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| 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 |
|---------------|----------------|------------------|-------------------|--------------------|--------------|---------------------|---------------------|-----------------|-------------------------------|---------------------------------|---------------------|-----------------------|---------------|
| | | | | | n89 | | 824 - 849 MHz | N/A | 98.43 | N/A | 1.71 | N/A | ● |
| | | | | | n90 | n90 | 2496 - 2690 MHz | 2496 - 2690 MHz | 47.01 | 47.01 | 6.86 | 6.86 | ● |
| | | | | | n91 | | 832 - 862 MHz | 1427 - 1432 MHz | 97.42 | 4.08 | 1.40 | 27.04 | ● |
| | | | | | n92 | | 832 - 862 MHz | 1432 - 1517 MHz | 97.42 | 2.95 | 1.40 | 31.80 | ● |
| | | | | | n93 | | 880 - 915 MHz | 1427 - 1432 MHz | 84.54 | 4.08 | 1.35 | 27.04 | ● |
| | | | | | n94 | | 880 - 915 MHz | 1432 - 1517 MHz | 84.54 | 2.95 | 1.35 | 31.80 | ● |
| | | | | | n95 | | 2010 - 2025 MHz | N/A | 68.42 | N/A | 2.42 | N/A | ● |
| | | | | | n97 | | 2300 - 2400 MHz | N/A | 10.74 | N/A | 16.74 | N/A | ● |
| | | | | | n98 | | 1880 - 1920 MHz | N/A | 58.87 | N/A | 3.08 | N/A | ● |
| | | | | | n99 | | 1626.5 - 1660.5 MHz | N/A | 1.05 | N/A | 35.92 | N/A | ● |
| | | | | | n101 | | 1900 - 1910 MHz | 1900 - 1910 MHz | 61.30 | 61.30 | 2.79 | 2.79 | ● |
| | | | | 103 | | | 787 - 788 MHz | 757 - 758 MHz | 77.24 | 72.22 | 2.16 | 2.85 | ● |

● 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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ISM Standards Frequency Support

| Application | Frequency Range | Efficiency (%) | Maximum VSWR | Peak Gain from highest direction (dBi) | Use Indicator |
|------------------------|---------------------|----------------|--------------|----------------------------------------|---------------|
| ISM 433 MHz | 433.05 - 434.79 MHz | 8.42 | 19.84 | -6.864 | ● |
| IMT 868 MHz | 863 - 870 MHz | 91.82 | 1.38 | 9.3555 | ● |
| ISM 915 MHz | 902 - 928 MHz | 80.54 | 1.35 | 9.406 | ● |
| ISM 2.4 GHz | 2400 - 2500 MHz | 24.70 | 7.96 | 1.83 | ● |
| WiFi 2.4G | 2401 - 2483 MHz | 23.28 | 7.93 | 1.3795 | ● |
| WiFi 2.4G (USA) | 2401 - 2473 MHz | 22.38 | 7.93 | 1.09 | ● |
| WiFi 2.4G (Japan) | 2401 - 2495 MHz | 24.34 | 7.93 | 1.6975 | ● |
| WiFi 5G (all channels) | 5150 - 5990 MHz | 17.15 | 12.48 | 5.035 | ● |
| WiFi 5G (Ch 32-48) | 5150 - 5250 MHz | 12.53 | 11.91 | -0.69 | ● |
| WiFi 5G (Ch 32-64) | 5150 - 5330 MHz | 13.15 | 11.91 | -0.245 | ● |
| WiFi 5G (Ch 32-161) | 5150 - 5815 MHz | 15.20 | 12.48 | 3.8325 | ● |
| WiFi 5G (Ch 32-173) | 5150 - 5875 MHz | 15.97 | 12.48 | 4.28 | ● |
| ISM 5.8 GHz | 5725 - 5875 MHz | 22.20 | 9.16 | 4.28 | ● |

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

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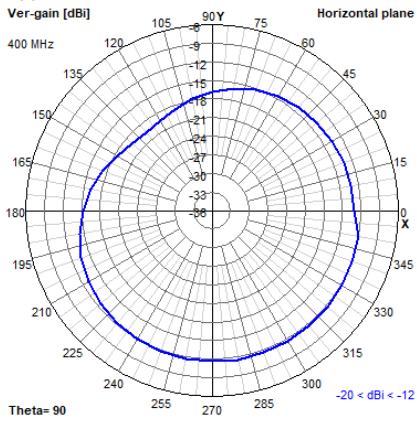


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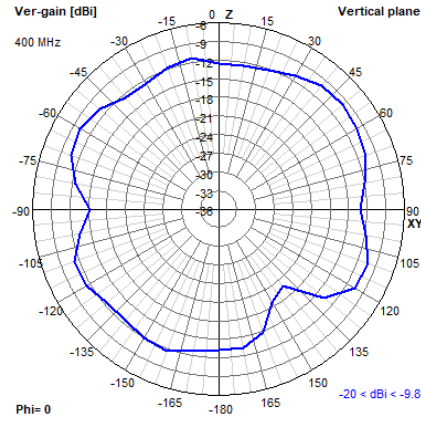
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

2D Radiation Plots

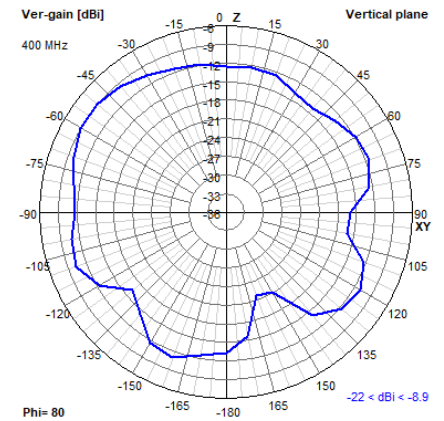
400 MHz XY



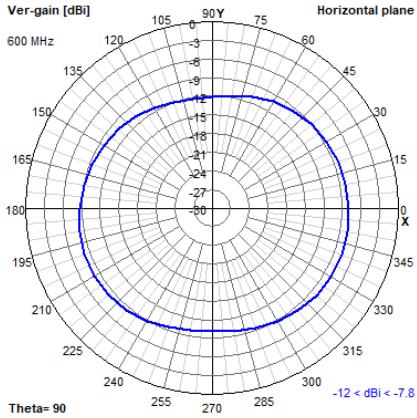
XZ



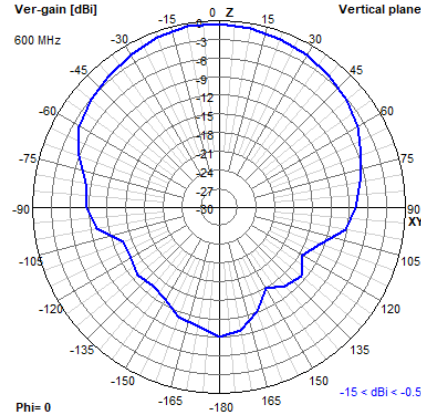
YZ



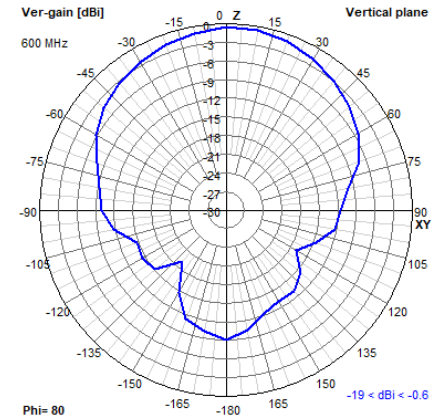
600 MHz XY



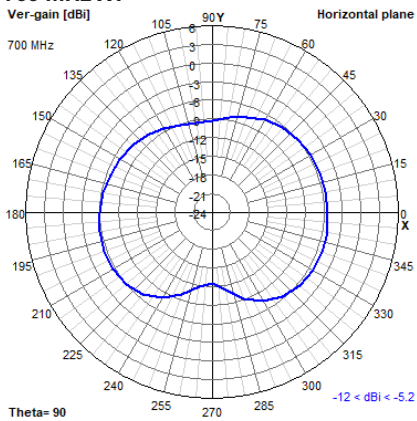
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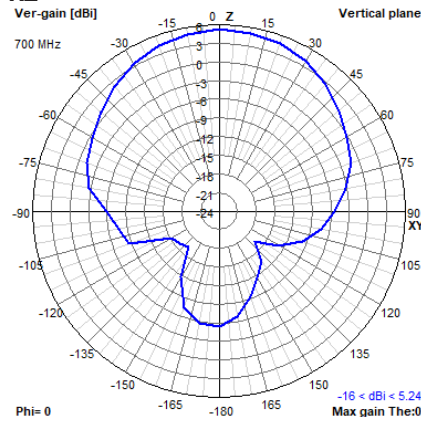
YZ



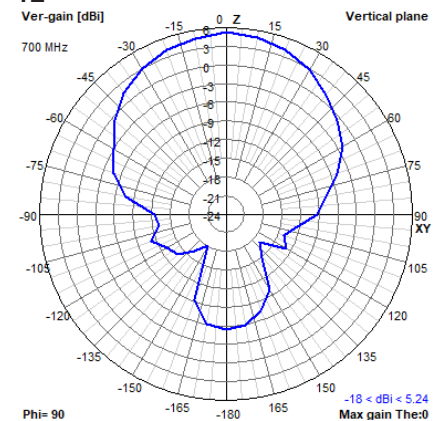
700 MHz XY



XZ



YZ



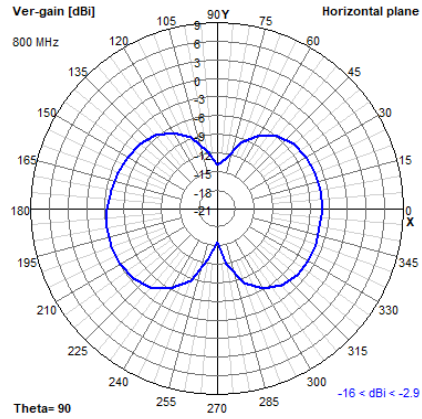


Oscar 67

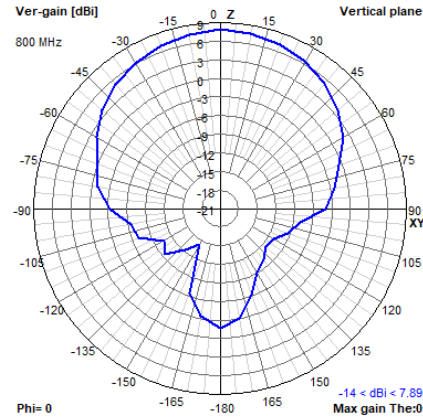
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

2D Radiation Plots

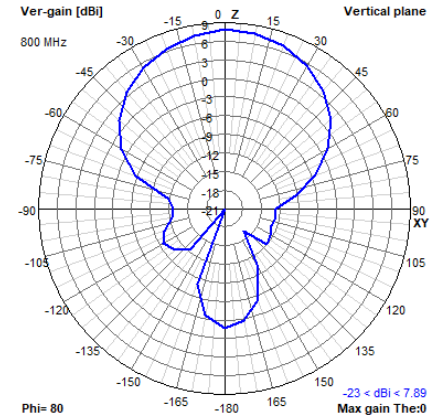
800 MHz XY



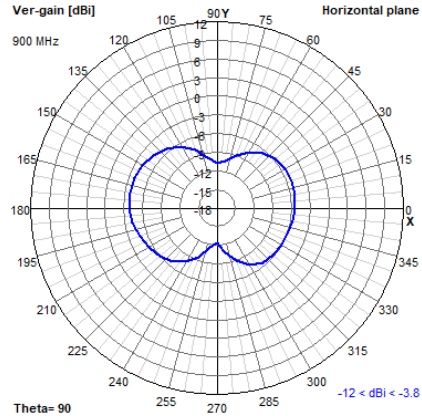
XZ



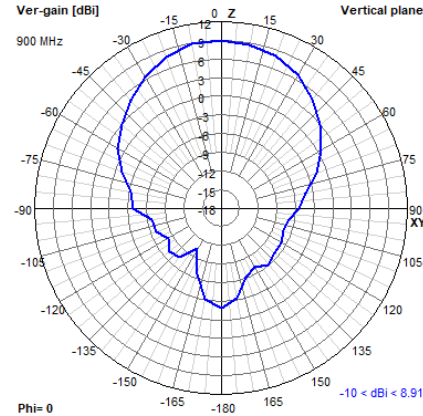
YZ



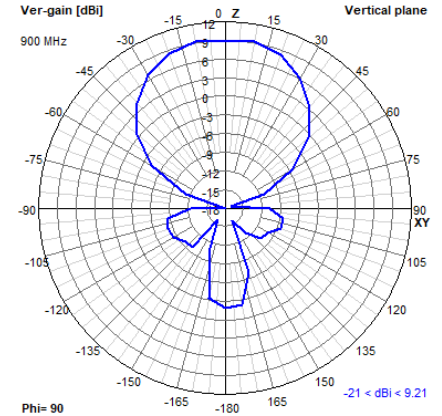
900 MHz XY



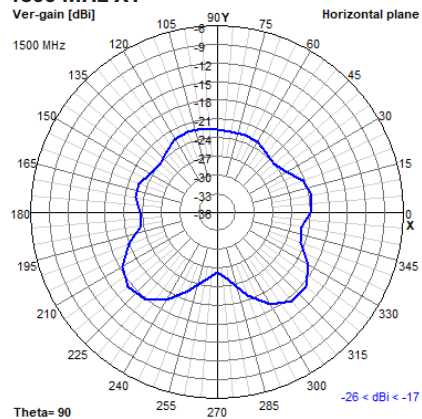
XZ



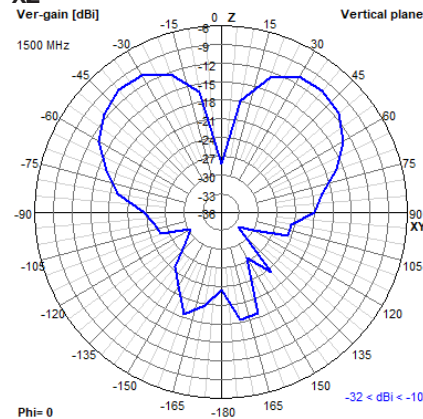
YZ



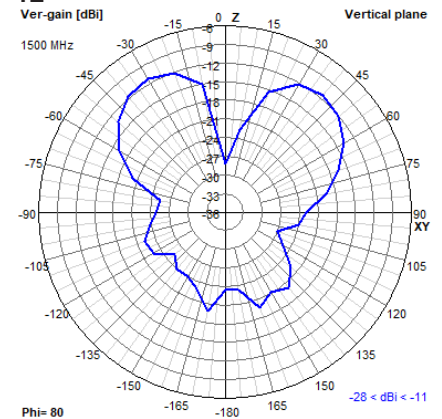
1500 MHz XY



XZ



YZ



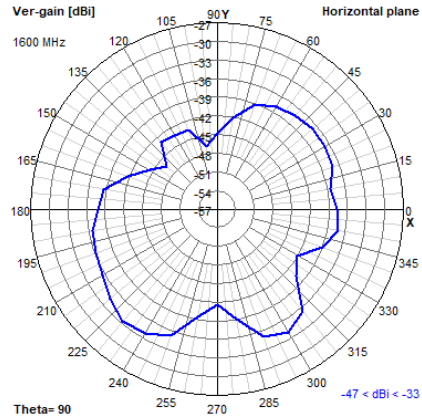


Oscar 67

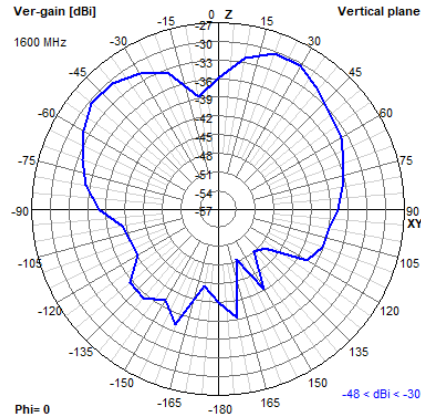
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

2D Radiation Plots

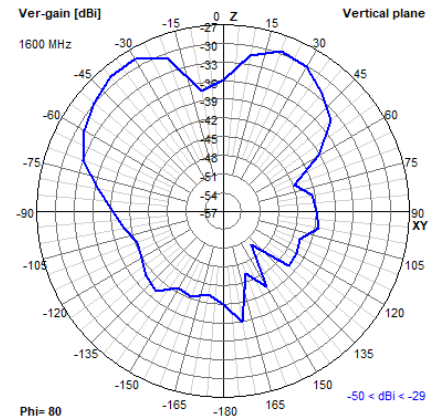
1600 MHz XY



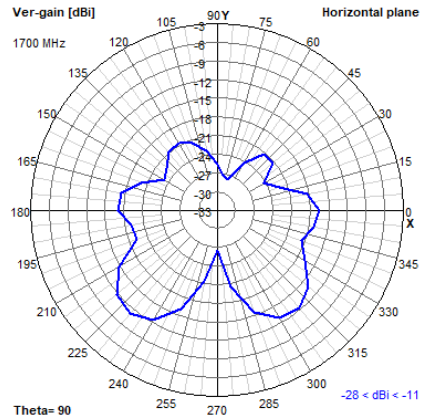
XZ



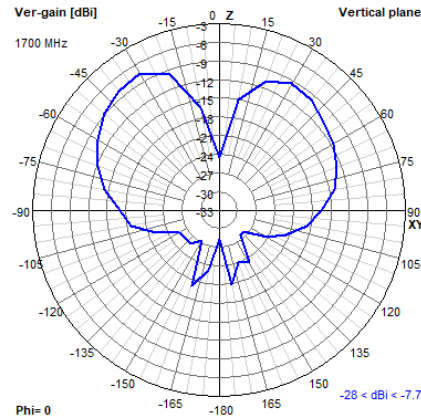
YZ



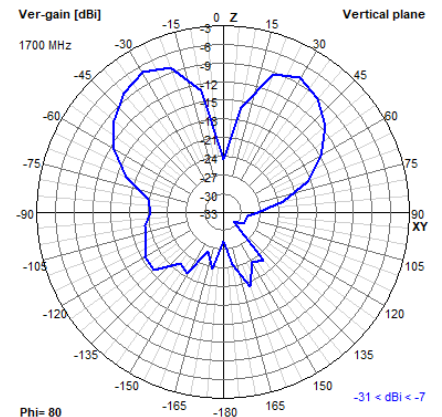
1700 MHz XY



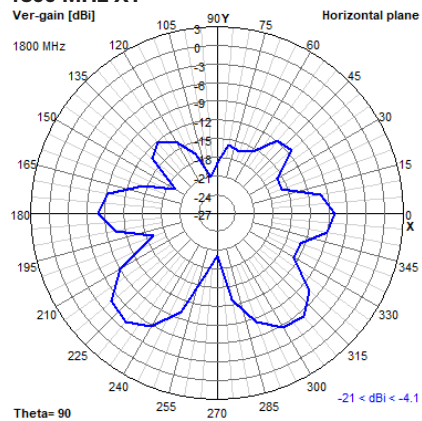
XZ



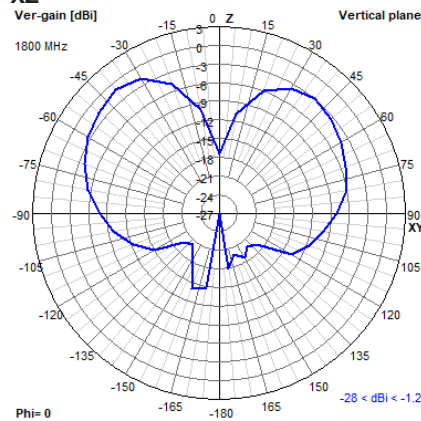
YZ



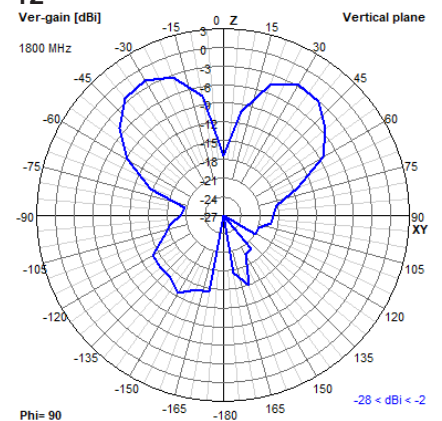
1800 MHz XY



XZ



YZ



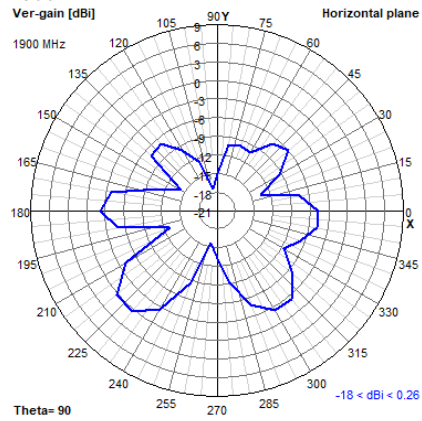


Oscar 67

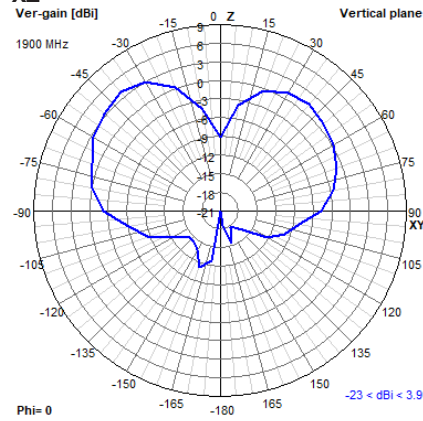
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

2D Radiation Plots

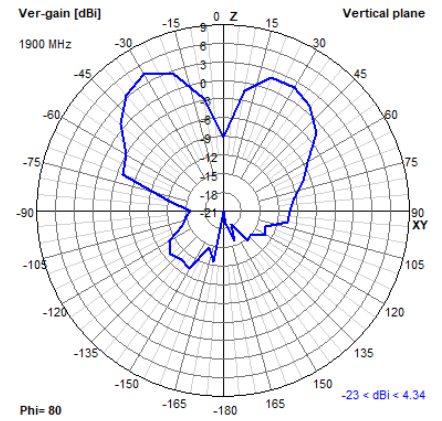
1900 MHz XY



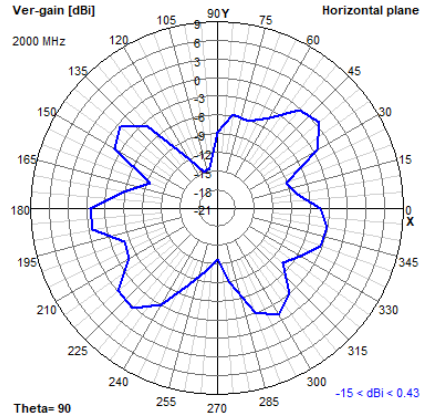
XZ



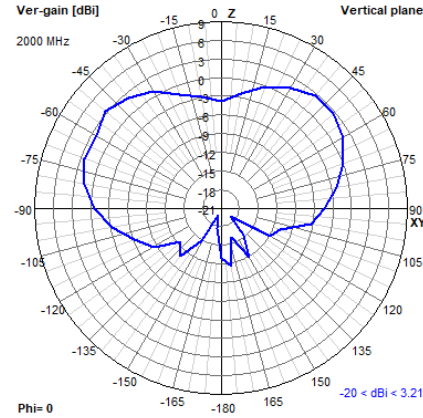
YZ



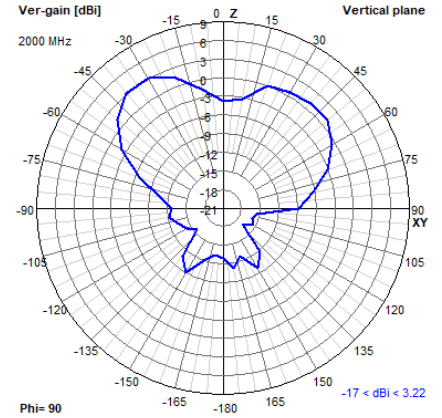
2000 MHz XY



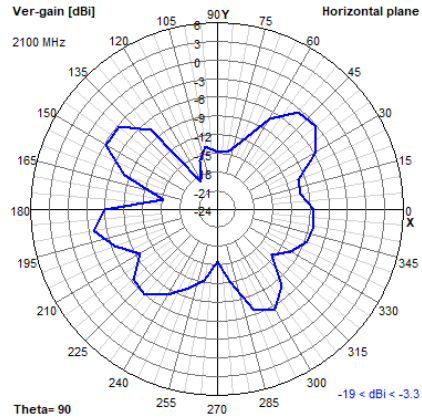
XZ



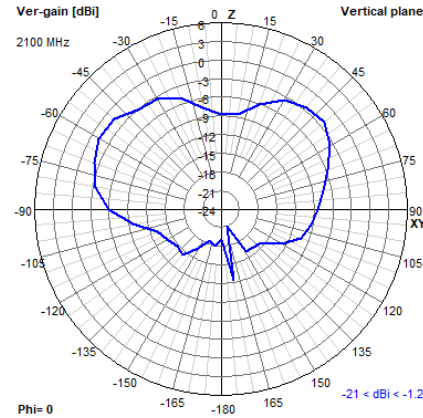
YZ



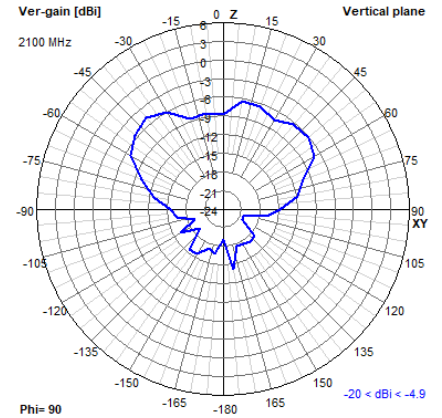
2100 MHz XY



XZ



YZ



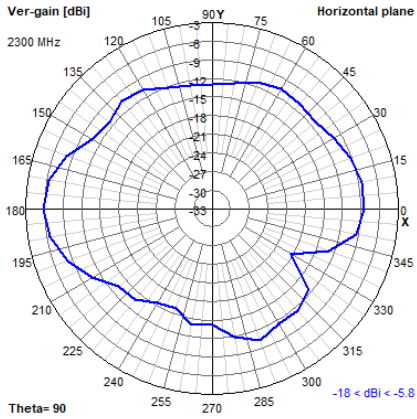


Oscar 67

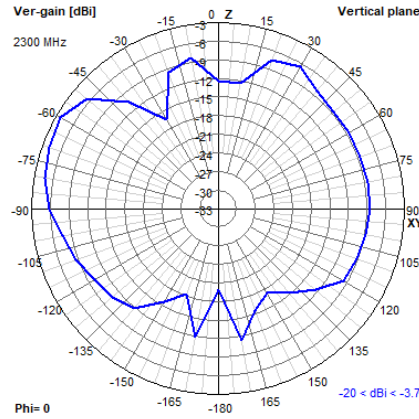
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

2D Radiation Plots

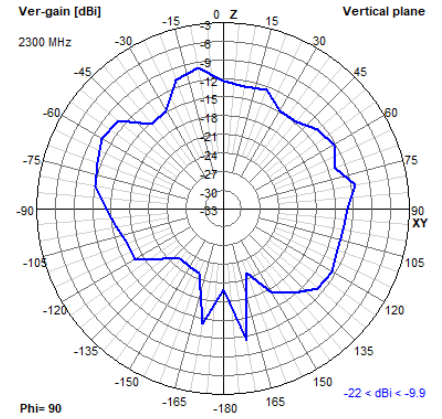
2300 MHz XY



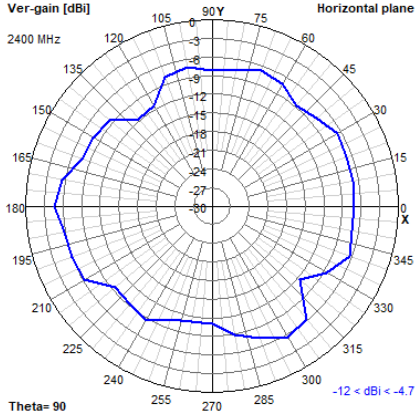
XZ



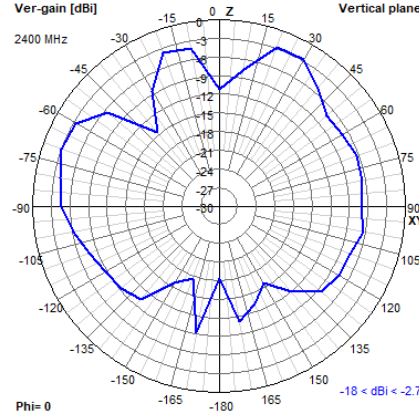
YZ



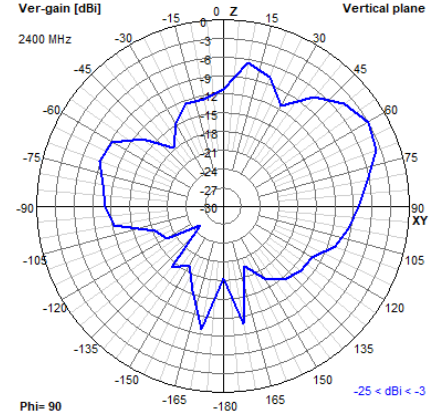
2400 MHz XY



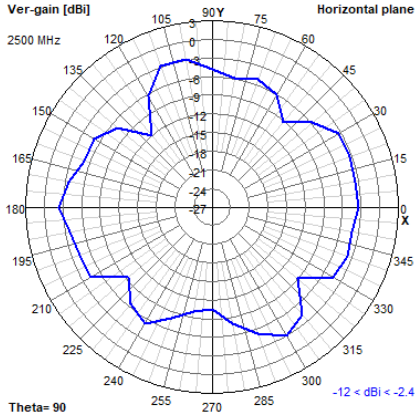
XZ



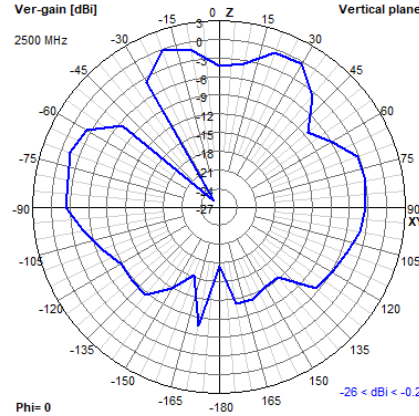
YZ



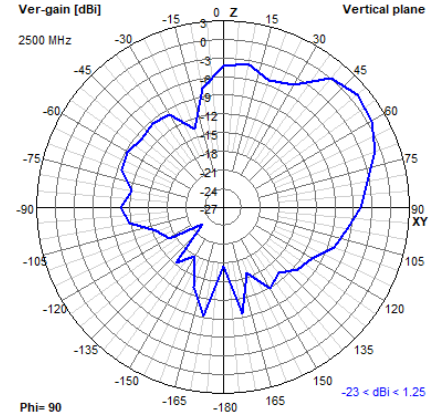
2500 MHz XY



XZ



YZ



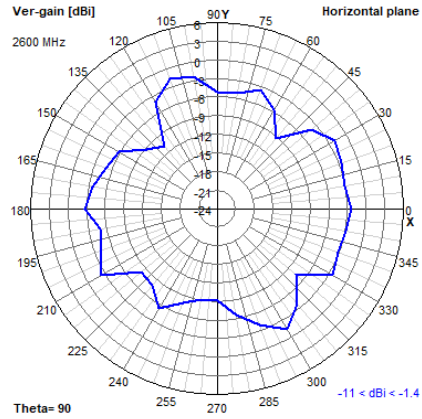


Oscar 67

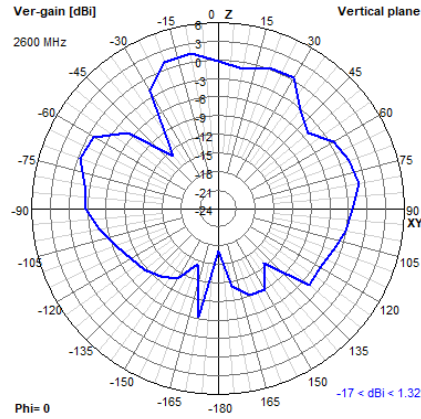
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

2D Radiation Plots

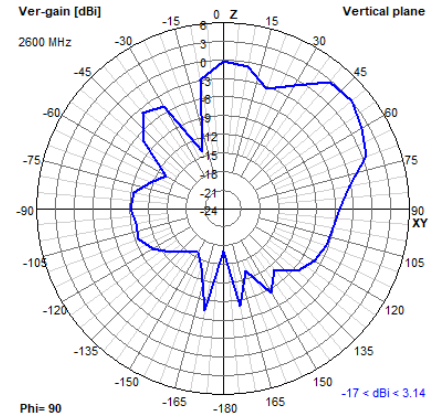
2600 MHz XY



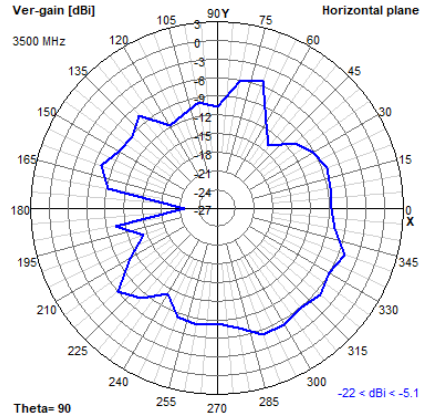
XZ



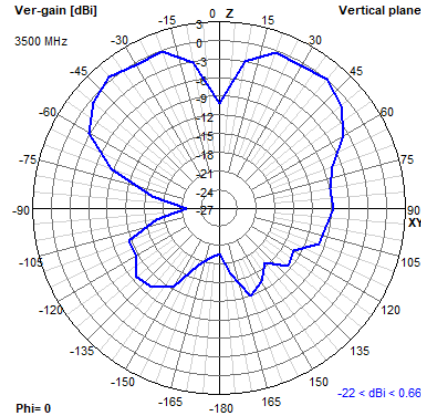
YZ



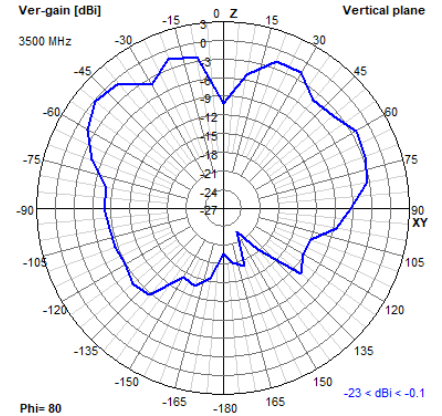
3500 MHz XY



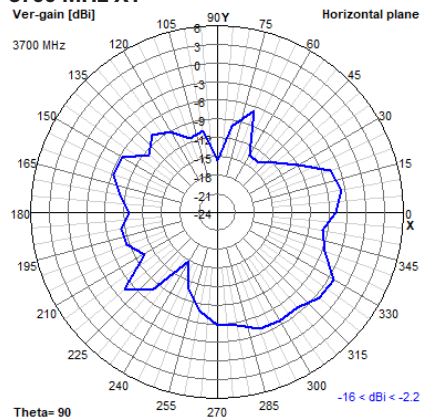
XZ



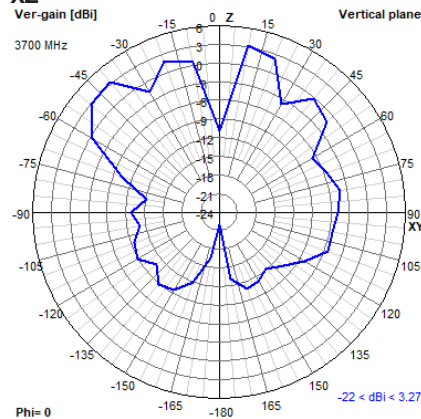
YZ



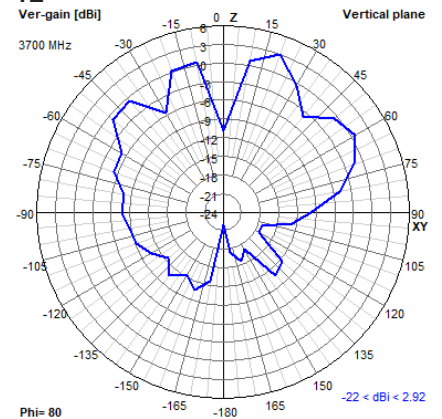
3700 MHz XY



XZ



YZ



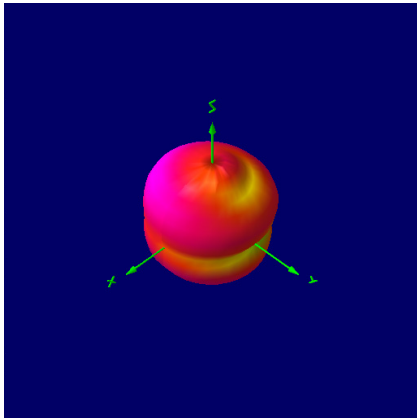


Oscar 67

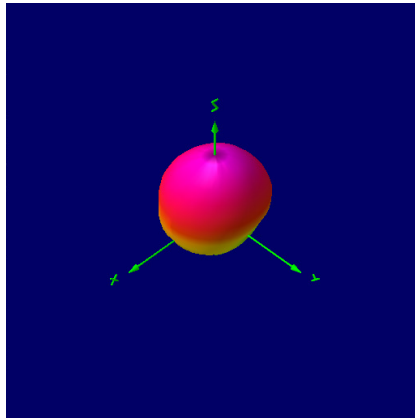
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

3D Radiation Plots

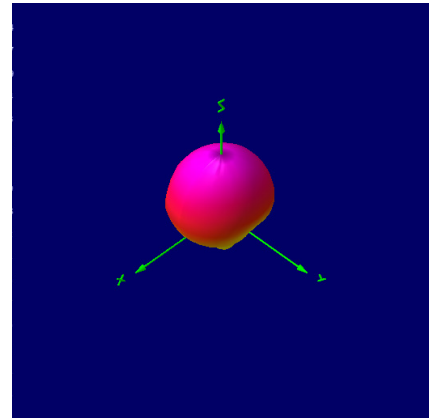
400 MHz



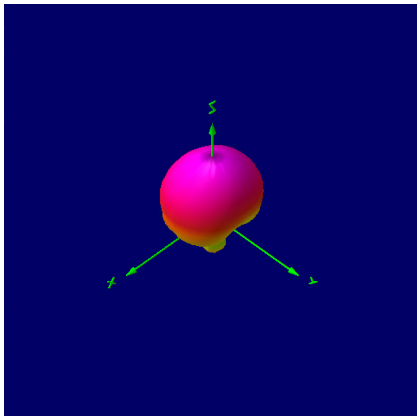
600 MHz



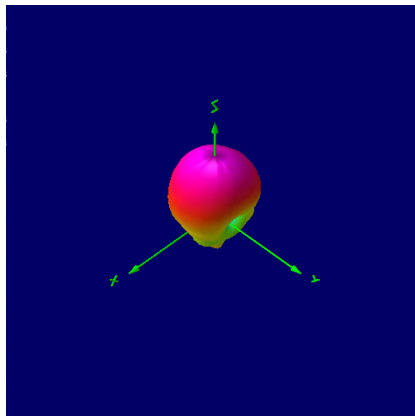
700 MHz



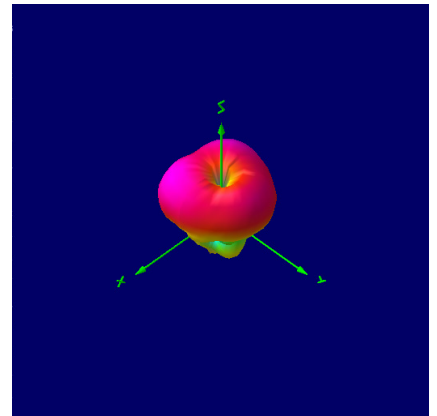
800 MHz



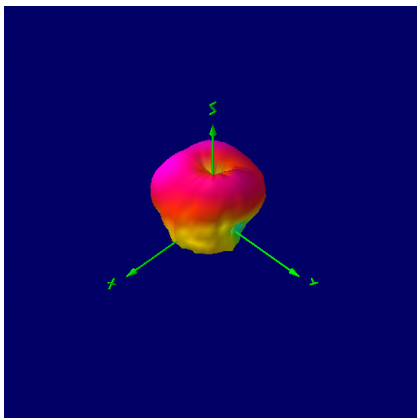
900 MHz



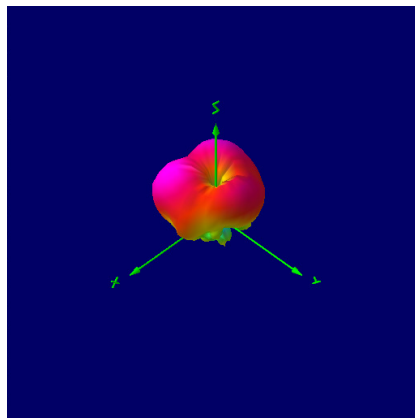
1500 MHz



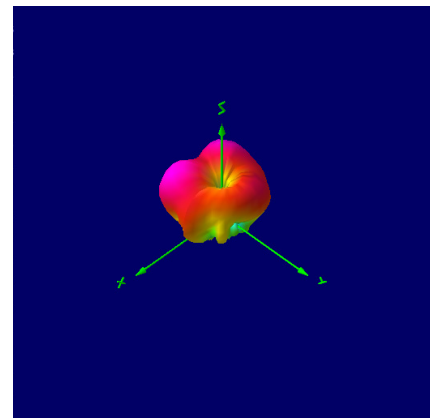
1600 MHz



1700 MHz



1800 MHz



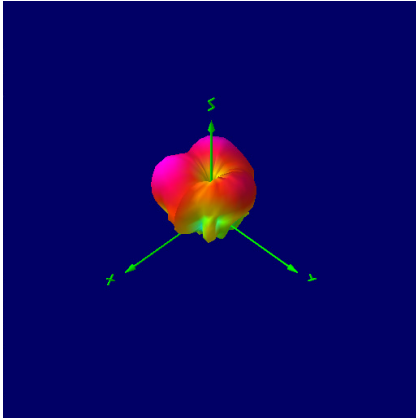


Oscar 67

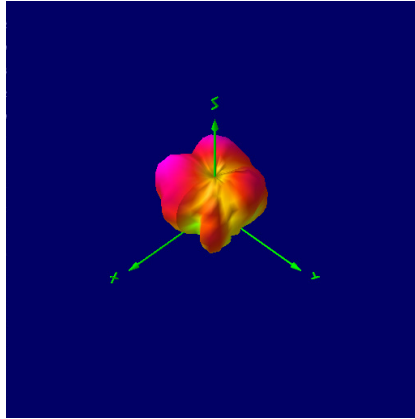
High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

3D Radiation Plots

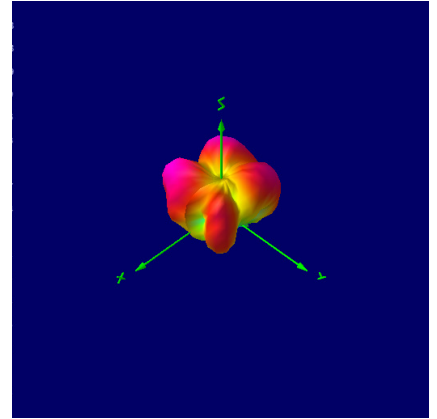
1900 MHz



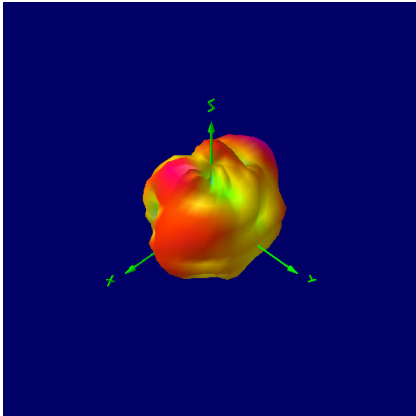
2000 MHz



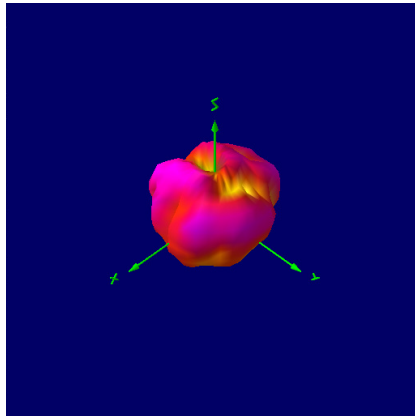
2100 MHz



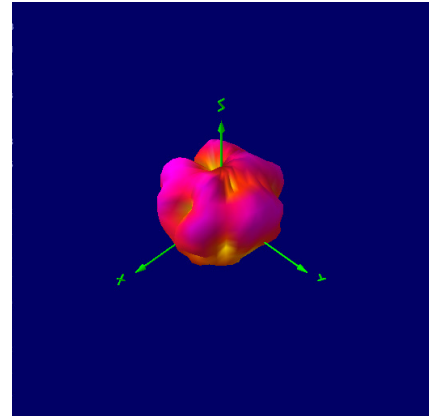
2300 MHz



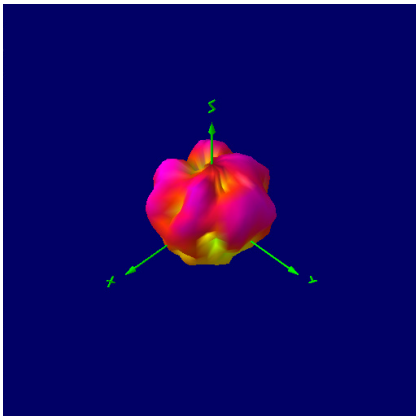
2400 MHz



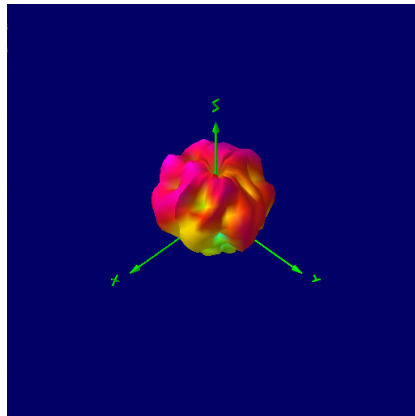
2500 MHz



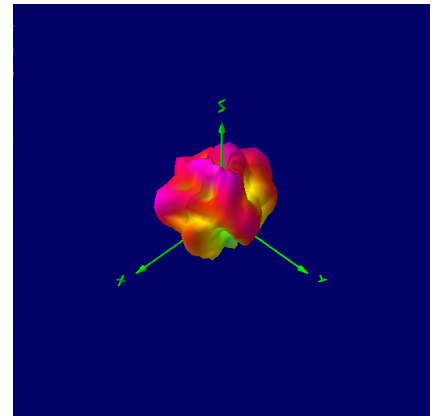
2600 MHz



3500 MHz



3700 MHz



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





Enabling Industrial IoT



Oscar 67

High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz

Ordering Details:

| Part Number | Description |
|---------------------|----------------------------------------------------------------------------------------------------|
| OSCAR67/X/NTYPEF/33 | High Gain 9 dBi Directional ISM Outdoor Panel Antenna for 868/915 MHz with N-TYPE Female connector |
| ASMR600A058L13 | N-TYPE(M) TO SMA(M) 6M LOW LOSS (SLL200) CABLE ASSEMBLY |
| ASMR1000A058L13 | N-TYPE(M) TO SMA(M) 10M LOW LOSS (SLL200) CABLE ASSEMBLY |
| ASMR1500A058L13 | N-TYPE(M) TO SMA(M) 15M LOW LOSS (SLL200) CABLE ASSEMBLY |
| ASMR2000A058L13 | N-TYPE(M) TO SMA(M) 20M LOW LOSS (SLL200) CABLE ASSEMBLY |

Registered in England No. 08405712
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