



## Oscar 420

4G/5G MIMO Omni-directional Fixed Wireless Access Antenna



### Key Features

- Supports global 4G LTE and 5G NR bands.
- MIMO-compatible for enhanced 5G performance.
- Covers CBRS and C-Band frequencies.
- UV and water-resistant for outdoor use.
- High-gain for improved long-range connectivity.











### General Description

The Oscar 420 is a versatile outdoor 4G/5G antenna, covering key frequency bands from 600 MHz to 1 GHz and 1.6 GHz to 3.9 GHz, making it ideal for reliable mobile connectivity. With MIMO compatibility, this antenna is perfect for enhancing performance in 5G and 4G LTE networks, improving data throughput and signal reliability. It's especially suited for Fixed Wireless Access (FWA) applications, delivering high-speed broadband over long distances. Additionally, the Oscar 420 supports Citizens Broadband Radio Service (CBRS) and C-Band frequencies, making it a great choice for private LTE/5G networks and mid-band 5G deployments.

Built for durability, its UV and water-resistant radome ensures dependable performance in all weather conditions. Fitted with 0.4m RG58 cables for easy connection to extension cables, it comes equipped with an aluminium bracket for wall mounting and includes a mast clamp for flexible installation.

### Additional Considerations

- Omnidirectional monopole
- Adjustable mount allows positioning for best signal
- Ground Plane independent
- Public wireless systems
- Covers cellular/PCS (US and worldwide)

 Wall/Pole	 5G New Radio	 4G LTE	 3G UMTS	 2G GSM
 LTE M	 LTE NB-IoT	 NR NB-IoT	 WiFi 4 802.11n	 WLAN 2400

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### Electrical Specifications

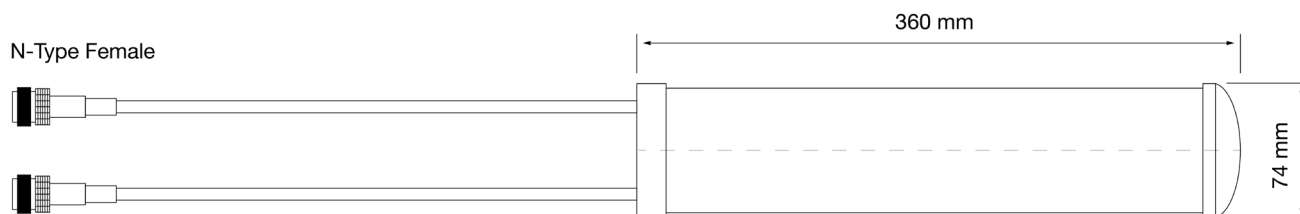
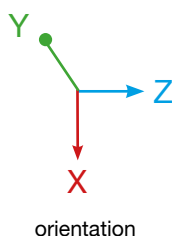
Impedance:	50 Ohms
Polarisation:	Vertical
Max input power:	100 W
Ground plane independent:	Yes

### Environmental Specifications

Operating temperature range:	-30 °C - +70 °C
Storage temperature range:	-30 °C - +70 °C

### Mechanical Specifications

Dimensions:	L360 x 74mm Ø
Weight:	650 g
Connector:	N Female x2
Mounting method:	Pole U-bolt
Housing materials:	ABS

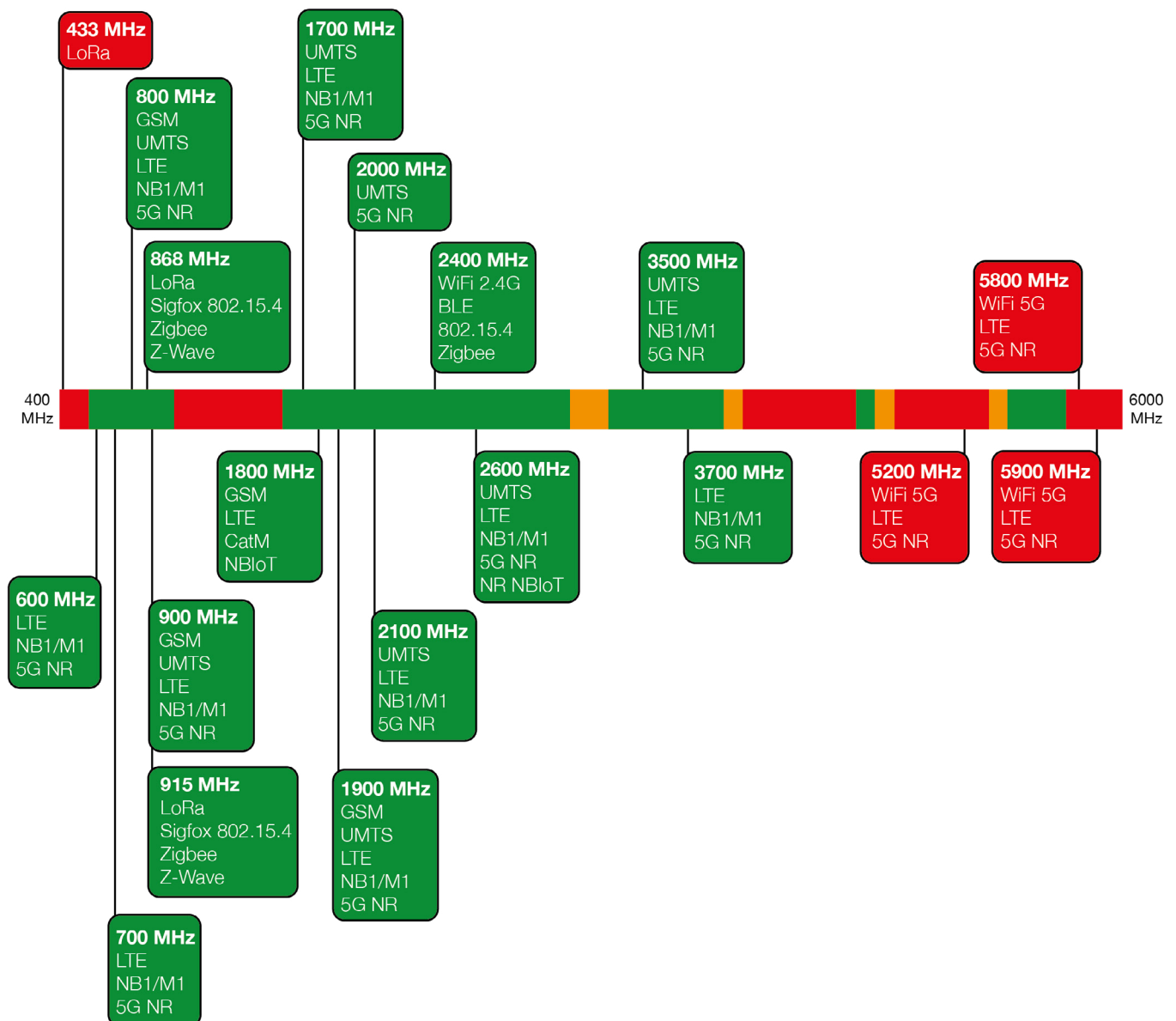




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### Spectrum Coverage

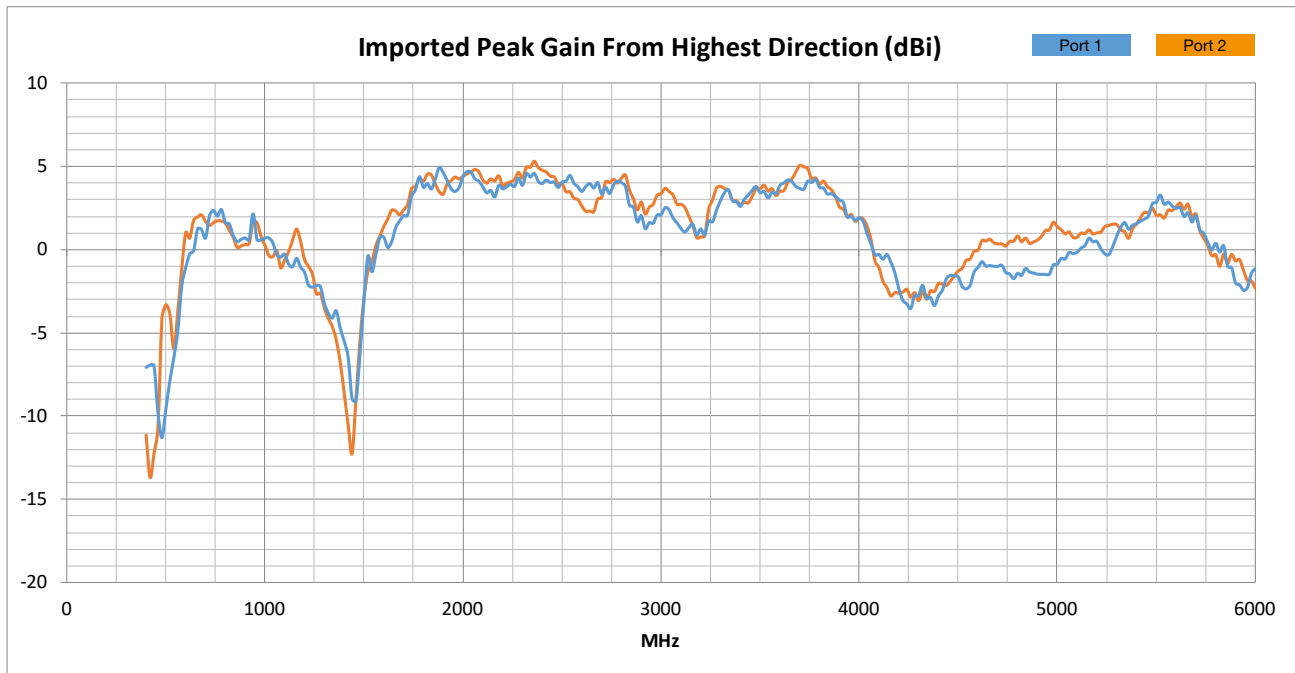




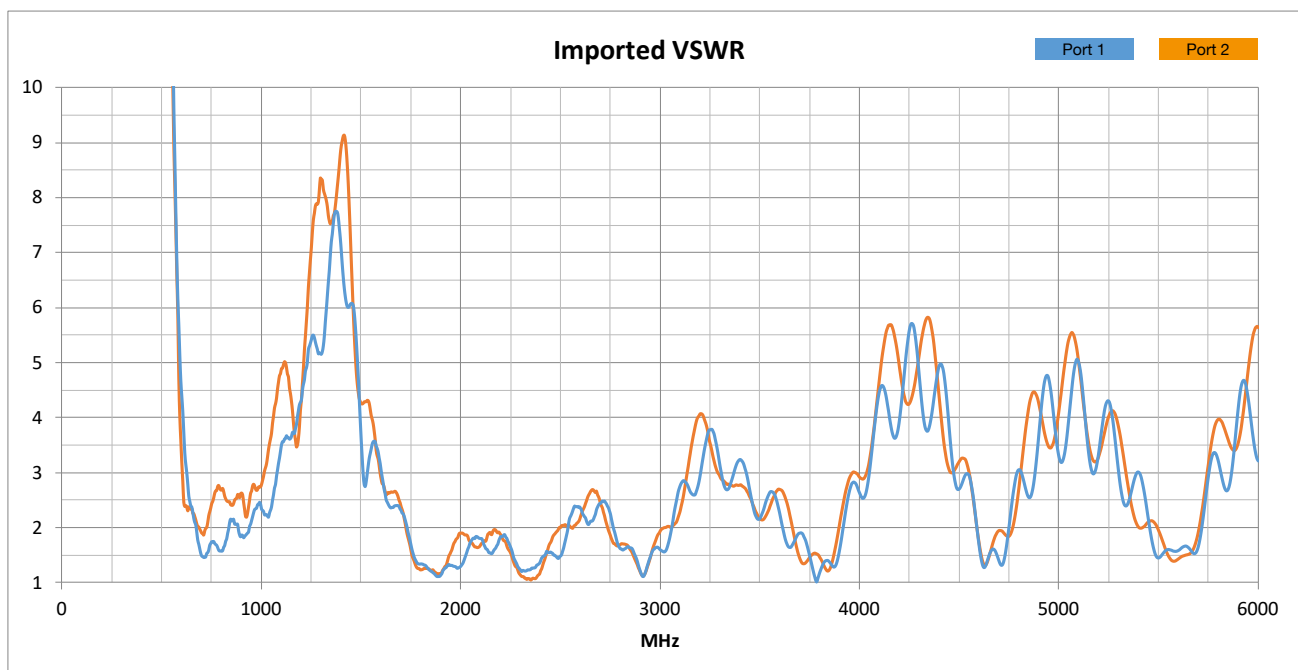
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### Peak Gain vs. Frequency



### VSWR

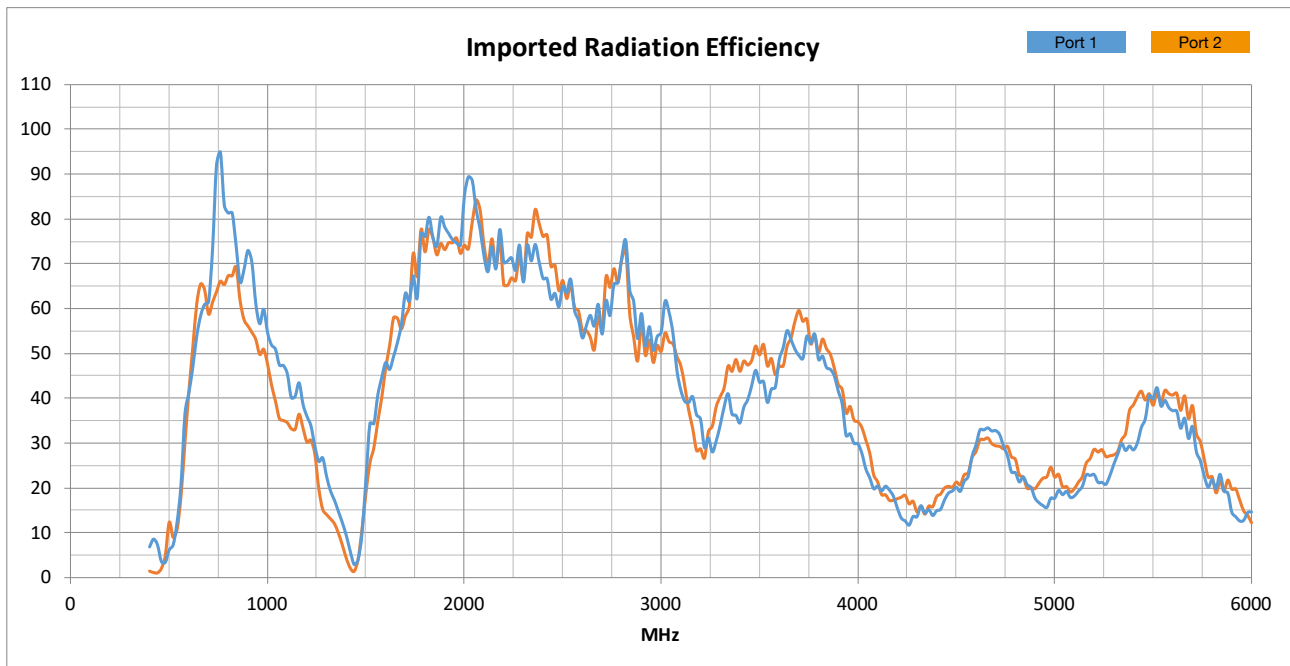




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### Radiation Efficiency





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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:	●	●			●	●						



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### Usable ISM Frequency Support (433 MHz - 5800 MHz)

	433	868	915	2450	5800
Bluetooth				●	
Helium		●	●		
IEEE 802.15.4		●	●	●	
ISM 433					
ISM 868		●			
ISM 915			●		
ISM 2.4G				●	
ISM 5.8G					
LoRa		●	●		
SigFox		●	●		
Weightless		●	●		
Wi-Fi 2.4G				●	
Wi-Fi 5G					
Wi-Fi 6E					
Zigbee		●	●	●	
Z-Wave		●	●		



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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	74.59	71.93	1.81	1.97	●
PCS-1900	2	2	2	2	n2	n2	1850 - 1910 MHz	1930 - 1990 MHz	73.40	74.28	1.24	1.89	●
DCS-1800	3	3	3	3	n3	n3	1710 - 1785 MHz	1805 - 1880 MHz	68.73	74.80	2.27	1.27	●
	4	4	4	4			1710 - 1755 MHz	2110 - 2155 MHz	66.29	72.42	2.27	1.92	●
GSM-850	5	5	5	5	n5	n5	824 - 849 MHz	869 - 894 MHz	68.10	57.78	2.50	2.61	●
	6						830 - 840 MHz	875 - 885 MHz	68.71	57.72	2.48	2.61	●
	7	7	7	7	n7	n7	2500 - 2570 MHz	2620 - 2690 MHz	63.04	54.23	2.05	2.70	●
E-GSM-900	8	8	8	8	n8	n8	880 - 915 MHz	925 - 960 MHz	56.29	52.40	2.63	2.79	●
	9	9					1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	71.90	73.27	1.58	1.24	●
	10	10					1710 - 1770 MHz	2110 - 2170 MHz	67.00	71.93	2.27	1.97	●
	11	11	11	11			1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	1.86	13.43	8.71	4.81	●
	12	12	12	12	n12	n12	699 - 716 MHz	729 - 746 MHz	59.75	63.40	1.95	2.37	●
	13	13	13	13	n13		777 - 787 MHz	746 - 756 MHz	65.57	64.99	2.77	2.49	●
	14	14	14	14	n14	n14	788 - 798 MHz	758 - 768 MHz	66.60	65.92	2.74	2.65	●
		17		17			704 - 716 MHz	734 - 746 MHz	60.06	63.69	1.95	2.37	●
		18	18	18	n18	n18	815 - 830 MHz	860 - 875 MHz	67.61	60.21	2.58	2.54	●
	19	19	19	19			830 - 845 MHz	875 - 890 MHz	68.56	57.48	2.48	2.61	●
	20	20	20	20	n20	n20	832 - 862 MHz	791 - 821 MHz	66.11	67.16	2.48	2.72	●
	21	21	21	21			1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	3.68	20.17	7.07	4.29	●
	22	22					3410 - 3490 MHz	3510 - 3590 MHz	48.81	48.33	2.76	2.70	●
		24	24	24	n24	n24	1626.5 - 1660.5 MHz	1525 - 1559 MHz	57.07	30.04	2.65	4.32	●
	25	25	25	25	n25	n25	1850 - 1915 MHz	1930 - 1995 MHz	73.45	74.21	1.26	1.90	●
	26	26	26	26	n26	n26	814 - 849 MHz	859 - 894 MHz	67.89	58.69	2.59	2.61	●
		27	27				807 - 824 MHz	852 - 869 MHz	67.34	61.99	2.69	2.52	●
		28	28	28	n28	n28	703 - 748 MHz	758 - 803 MHz	61.96	66.08	2.41	2.77	●

● 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
		28A					703 - 733 MHz	758 - 788 MHz	61.07	65.71	2.17	2.77	●
		29			n29		N/A	717 - 728 MHz	N/A	61.66	N/A	2.06	●
		30			n30		2305 - 2315 MHz	2350 - 2360 MHz	71.63	80.49	1.12	1.08	●
		31	31	31			452.5 - 457.5 MHz	462.5 - 467.5 MHz	1.88	2.85	14.30	12.85	●
	32	32					N/A	1452 - 1496 MHz	N/A	9.33	N/A	6.68	●
		33					1900 - 1920 MHz	1900 - 1920 MHz	73.88	73.88	1.30	1.30	●
		34			n34		2010 - 2025 MHz	2010 - 2025 MHz	73.68	73.68	1.90	1.90	●
		35					1850 - 1910 MHz	1850 - 1910 MHz	73.40	73.40	1.24	1.24	●
		36					1930 - 1990 MHz	1930 - 1990 MHz	74.28	74.28	1.89	1.89	●
		37					1910 - 1930 MHz	1910 - 1930 MHz	74.45	74.45	1.36	1.36	●
		38			n38		2570 - 2620 MHz	2570 - 2620 MHz	56.86	56.86	2.39	2.39	●
		39	39		n39		1880 - 1920 MHz	1880 - 1920 MHz	73.84	73.84	1.30	1.30	●
		40	40		n40		2300 - 2400 MHz	2300 - 2400 MHz	76.95	76.95	1.22	1.22	●
		41	41	41	n41	n41	2496 - 2690 MHz	2496 - 2690 MHz	58.33	58.33	2.70	2.70	●
		42	42	42			3400 - 3600 MHz	3400 - 3600 MHz	48.54	48.54	2.78	2.78	●
		43	43	43			3600 - 3800 MHz	3600 - 3800 MHz	53.87	53.87	2.70	2.70	●
		44					703 - 803 MHz	703 - 803 MHz	64.14	64.14	2.77	2.77	●
		45					1447 - 1467 MHz	1447 - 1467 MHz	4.09	4.09	7.16	7.16	●
		46			n46		5150 - 5925 MHz	5150 - 5925 MHz	31.84	31.84	4.13	4.13	●
		47			n47		5855 - 5925 MHz	5855 - 5925 MHz	20.28	20.28	4.12	4.12	●
		48	48	48	n48		3550 - 3700 MHz	3550 - 3700 MHz	50.72	50.72	2.70	2.70	●
		49					3550 - 3700 MHz	3550 - 3700 MHz	50.72	50.72	2.70	2.70	●
		50			n50		1432 - 1517 MHz	1432 - 1517 MHz	10.55	10.55	8.46	8.46	●
		51			n51		1427 - 1432 MHz	1427 - 1432 MHz	1.89	1.89	8.76	8.76	●
		52					3300 - 3400 MHz	3300 - 3400 MHz	45.48	45.48	2.93	2.93	●

● Suitable band

● Adequate band in good signal conditions

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		53			n53		2483.5 - 2495 MHz	2483.5 - 2495 MHz	65.01	65.01	2.01	2.01	●
		54	54	54	n54	n54	1670 - 1675 MHz	1670 - 1675 MHz	56.34	56.34	2.66	2.66	●
		65		65	n65	n65	1920 - 2010 MHz	2110 - 2200 MHz	74.21	71.74	1.91	1.97	●
		66	66	66	n66	n66	1710 - 1780 MHz	2110 - 2200 MHz	68.14	71.74	2.27	1.97	●
		67			n67		N/A	738 - 758 MHz	N/A	64.64	N/A	2.52	●
		68					698 - 728 MHz	753 - 783 MHz	60.47	65.66	2.06	2.76	●
		69					N/A	2570 - 2620 MHz	N/A	56.86	N/A	2.39	●
		70		70	n70	n70	1695 - 1710 MHz	1995 - 2020 MHz	58.59	73.74	2.46	1.91	●
		71	71	71	n71	n71	663 - 698 MHz	617 - 652 MHz	63.15	57.88	2.23	2.41	●
		72	72	72			451 - 456 MHz	461 - 466 MHz	1.81	2.63	14.68	12.90	●
		73	73	73			450 - 455 MHz	460 - 465 MHz	1.76	2.48	14.93	12.93	●
		74	74	74	n74	n74	1427 - 1470 MHz	1475 - 1518 MHz	3.26	17.41	8.76	4.85	●
		75			n75		N/A	1432 - 1517 MHz	N/A	10.55	N/A	8.46	●
		76			n76		N/A	1427 - 1432 MHz	N/A	1.89	N/A	8.76	●
					n77		3300 - 4200 MHz	3300 - 4200 MHz	42.76	42.76	5.70	5.70	●
					n78		3300 - 3800 MHz	3300 - 3800 MHz	50.06	50.06	2.93	2.93	●
					n79		4400 - 5000 MHz	4400 - 5000 MHz	24.41	24.41	4.47	4.47	●
					n80		1710 - 1785 MHz	N/A	68.73	N/A	2.27	N/A	●
					n81		880 - 915 MHz	N/A	56.29	N/A	2.63	N/A	●
					n82		832 - 862 MHz	N/A	66.11	N/A	2.48	N/A	●
					n83		703 - 748 MHz	N/A	61.96	N/A	2.41	N/A	●
					n84		1920 - 1980 MHz	N/A	74.59	N/A	1.81	N/A	●
		85	85	85	n85		698 - 716 MHz	728 - 746 MHz	59.71	63.34	1.95	2.37	●
					n86		1710 - 1780 MHz	N/A	68.14	N/A	2.27	N/A	●
		87	87	87			410 - 415 MHz	420 - 425 MHz	1.35	1.23	24.86	23.28	●

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● 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
		88	88	88			412 - 417 MHz	422 - 427 MHz	1.32	1.22	24.58	22.79	●
					n89		824 - 849 MHz	N/A	68.10	N/A	2.50	N/A	●
					n90	n90	2496 - 2690 MHz	2496 - 2690 MHz	58.33	58.33	2.70	2.70	●
					n91		832 - 862 MHz	1427 - 1432 MHz	66.11	1.89	2.48	8.76	●
					n92		832 - 862 MHz	1432 - 1517 MHz	66.11	10.55	2.48	8.46	●
					n93		880 - 915 MHz	1427 - 1432 MHz	56.29	1.89	2.63	8.76	●
					n94		880 - 915 MHz	1432 - 1517 MHz	56.29	10.55	2.63	8.46	●
					n95		2010 - 2025 MHz	N/A	73.68	N/A	1.90	N/A	●
					n97		2300 - 2400 MHz	N/A	76.95	N/A	1.22	N/A	●
					n98		1880 - 1920 MHz	N/A	73.84	N/A	1.30	N/A	●
					n99		1626.5 - 1660.5 MHz	N/A	57.07	N/A	2.65	N/A	●
1900					n101		1900 - 1910 MHz	1900 - 1910 MHz	73.50	73.50	1.24	1.24	●
				103			787 - 788 MHz	757 - 758 MHz	66.06	65.77	2.75	2.52	●
					n105		663 - 703 MHz	612 - 652 MHz	62.63	56.73	2.23	2.43	●

● 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.

### 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	1.18	19.93	-12.61	●
ISM 868 MHz	863 - 870 MHz	60.42	2.53	0.19	●
ISM 915 MHz	902 - 928 MHz	55.04	2.62	0.89	●
ISM 2.4 GHz	2400 - 2500 MHz	70.10	2.01	4.77	●
Wi-Fi 2.4G	2401 - 2483 MHz	71.03	1.94	4.77	●
Wi-Fi 2.4G (USA)	2401 - 2473 MHz	71.90	1.90	4.77	●
Wi-Fi 2.4G (Japan)	2401 - 2495 MHz	70.26	2.01	4.77	●
Wi-Fi 5G (all channels)	5150 - 5990 MHz	30.60	5.65	2.80	●
Wi-Fi 5G (Ch 32-48)	5150 - 5250 MHz	27.38	4.03	1.42	●
Wi-Fi 5G (Ch 32-64)	5150 - 5330 MHz	27.48	4.13	1.53	●
Wi-Fi 5G (Ch 32-161)	5150 - 5815 MHz	33.75	4.13	2.80	●
Wi-Fi 5G (Ch 32-173)	5150 - 5875 MHz	32.64	4.13	2.80	●
ISM 5.8 GHz	5725 - 5875 MHz	23.37	3.98	1.00	●
UWB band 1	3168 - 3696 MHz	44.55	4.07	4.98	●
UWB band 2	3696 - 4224 MHz	37.19	5.70	5.06	●
UWB band 3	4224 - 4752 MHz	22.30	5.83	0.63	●
UWB band 4	4752 - 5280 MHz	23.60	5.55	1.65	●
UWB band 5	5280 - 5808 MHz	35.50	4.08	2.80	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

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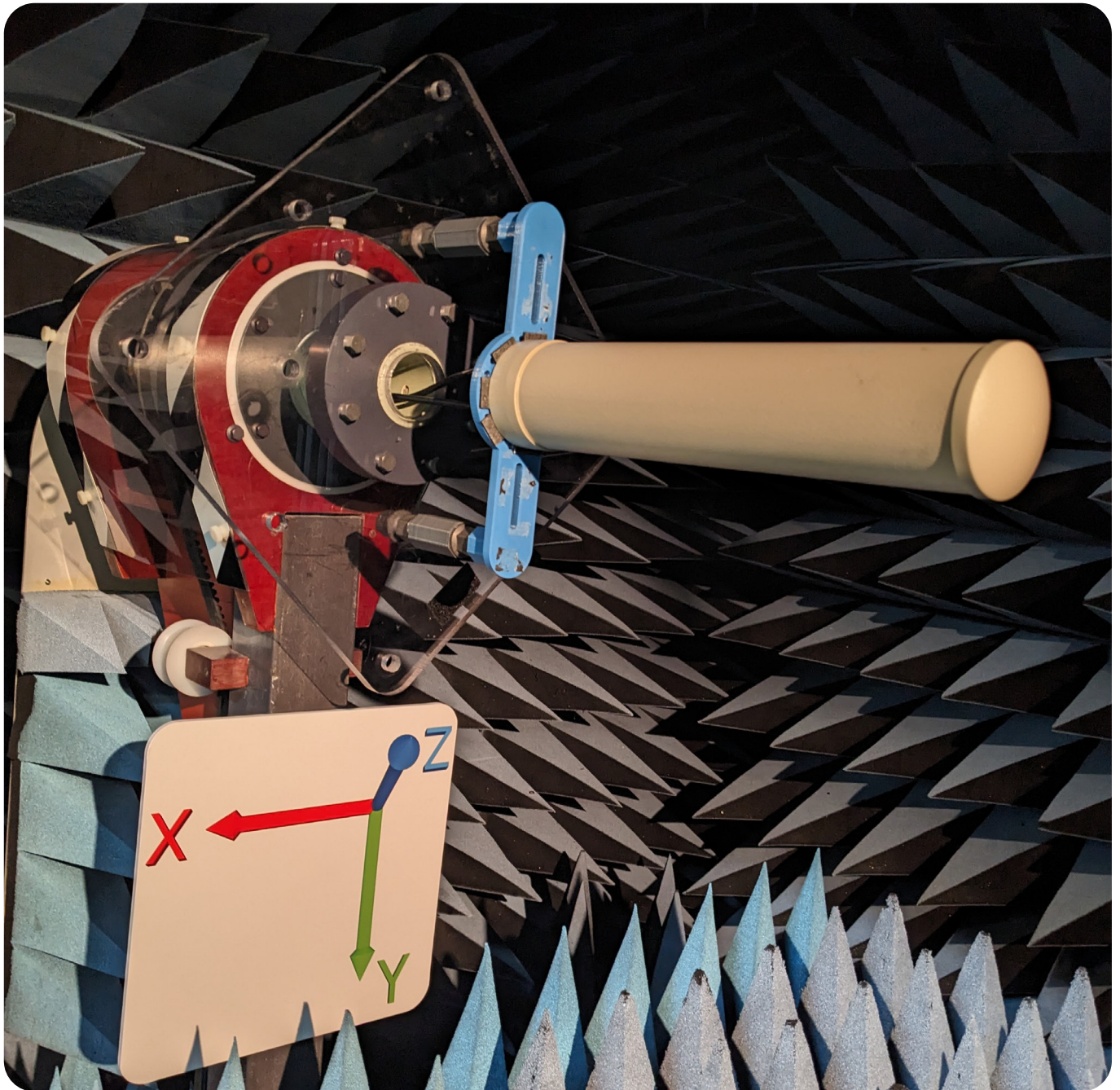
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### Test Setup (in Free Space)

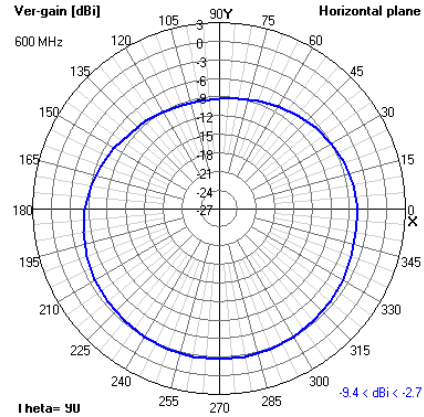


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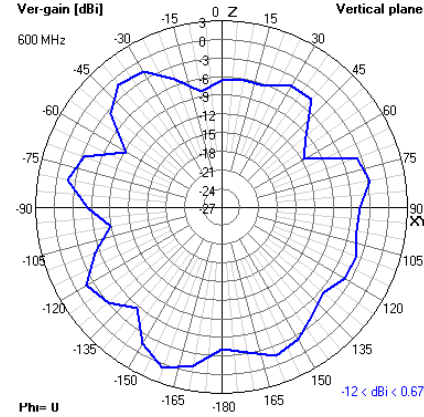
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### 2D Radiation Plots

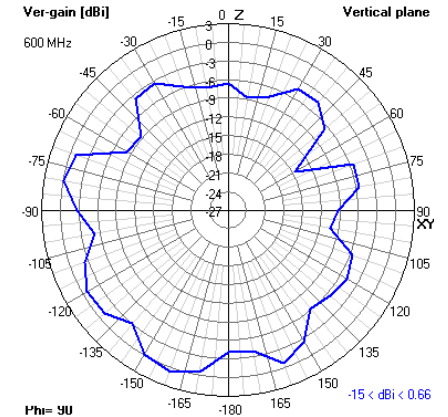
#### 600 MHz XY



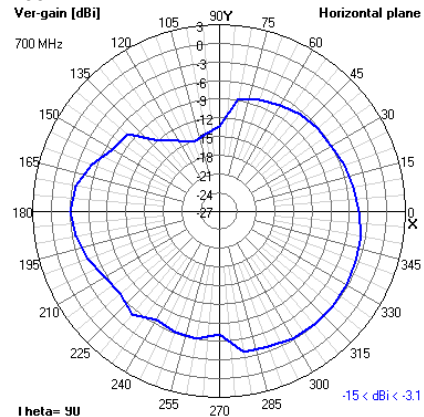
#### XZ



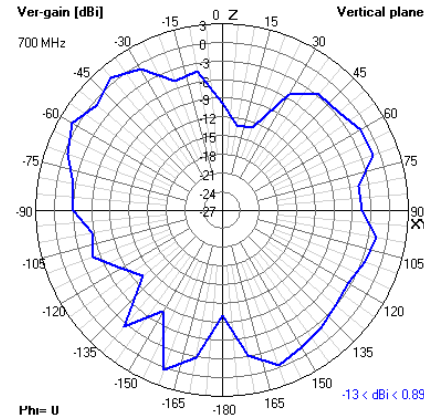
#### YZ



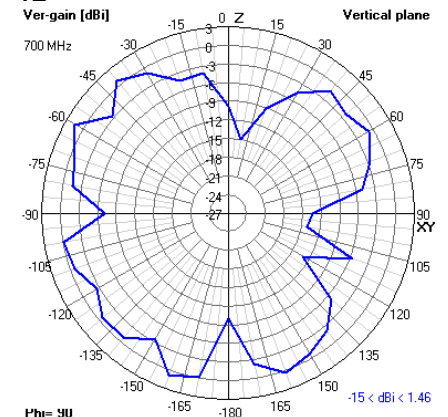
#### 700 MHz XY



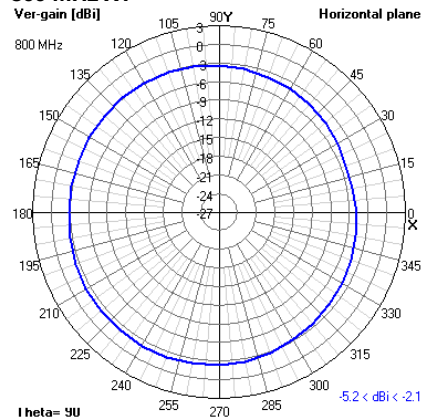
#### XZ



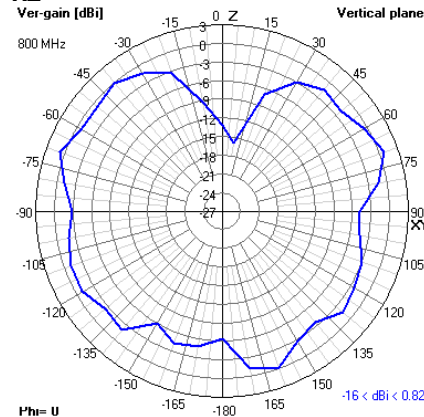
#### YZ



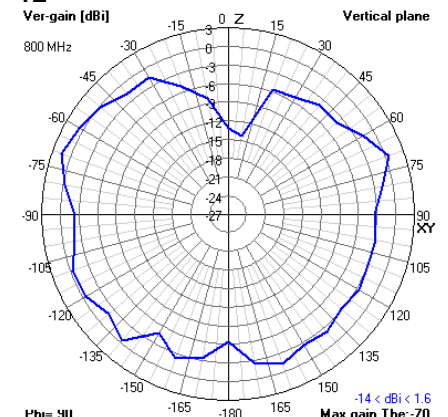
#### 800 MHz XY



#### XZ



#### YZ





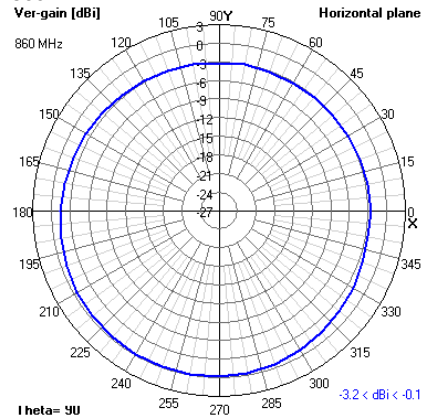


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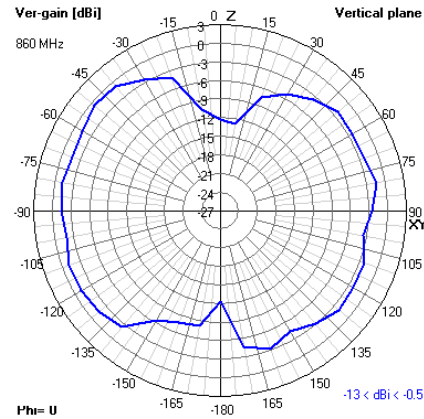
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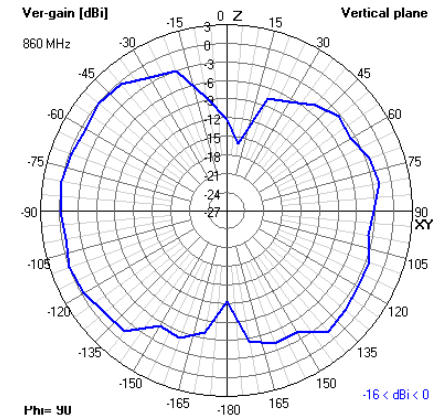
#### 860 MHz XY



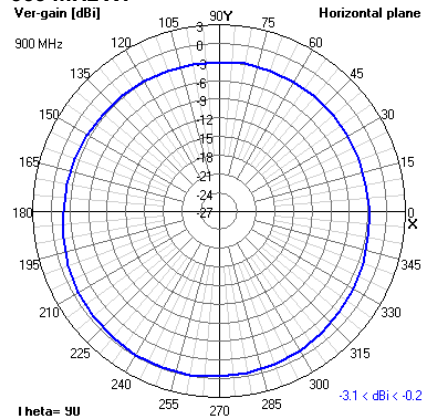
#### XZ



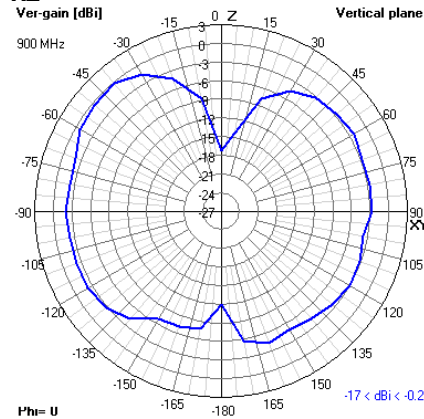
#### YZ



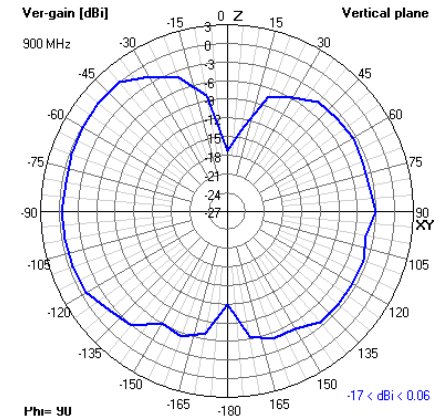
#### 900 MHz XY



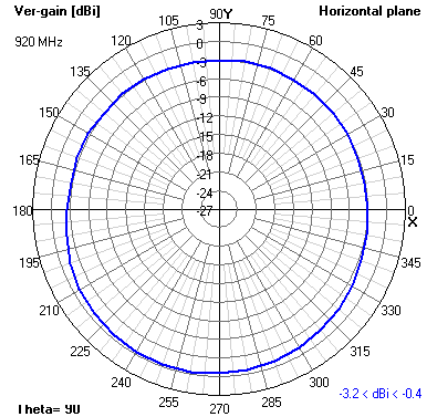
#### XZ



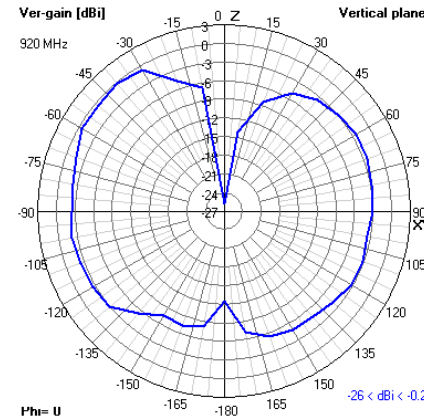
#### YZ



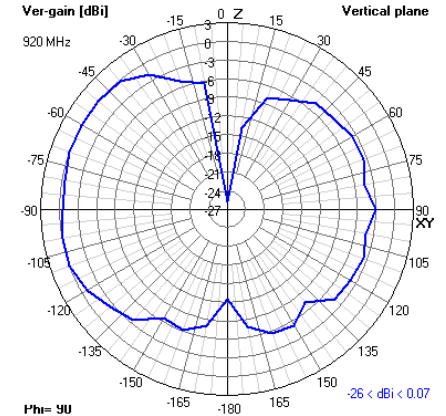
#### 920 MHz XY



#### XZ



#### YZ





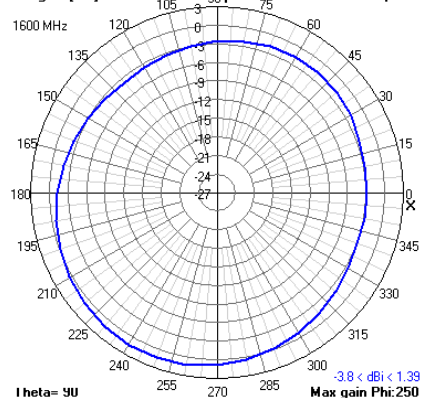
# Oscar 420

## 4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

## 2D Radiation Plots

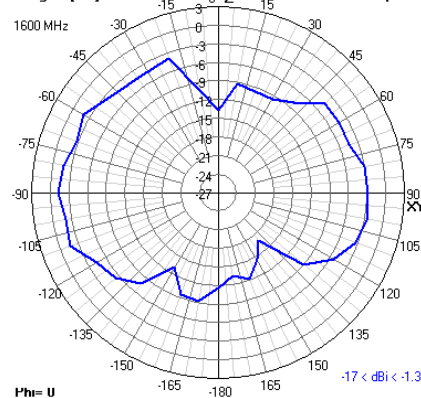
**1600 MHz XY**

Ver-gain [dBi]	10F	90Y	3E	Horizontal plane
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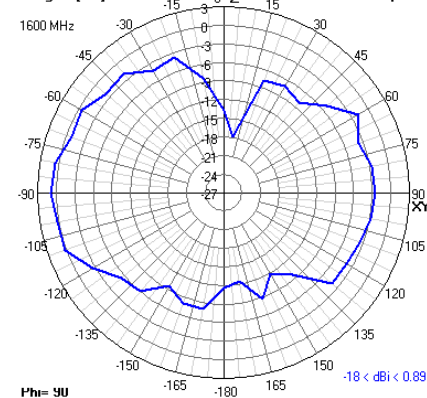
XZ

Ver-gain [dBi]	-15	0	15	Vertical plane
15	15	0	15	
0	0	0	0	
-15	-15	0	-15	



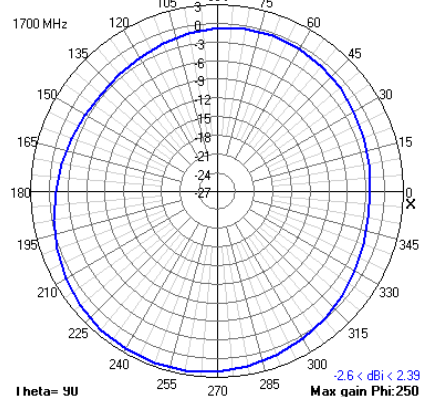
YZ

Ver-gain [dBi]	15	0	15	Vertical plane
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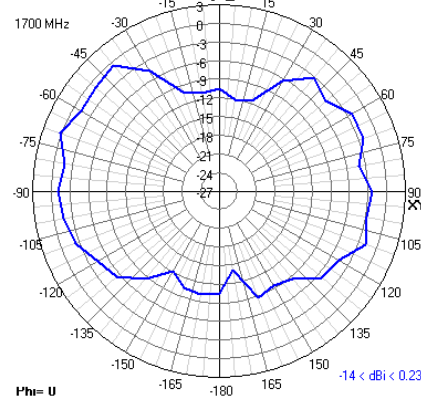
**1700 MHz XY**

Ver-gain [dBi]	105	90Y	75	Horizontal plane
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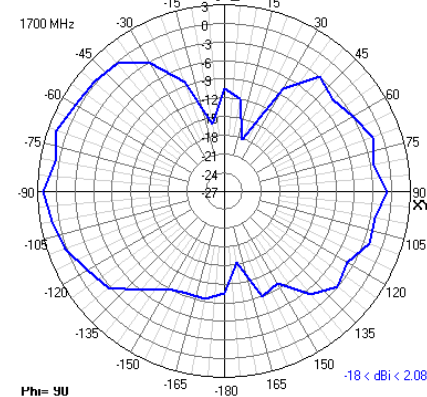
**XZ**

Ver-gain [dBi]      -15      0      15      Vertical plane



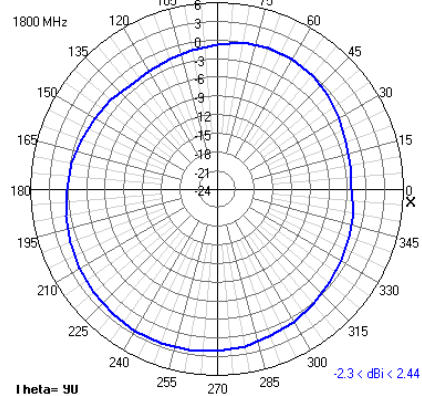
YZ

Ver-gain [dBi]      -15      0      15      Vertical plane



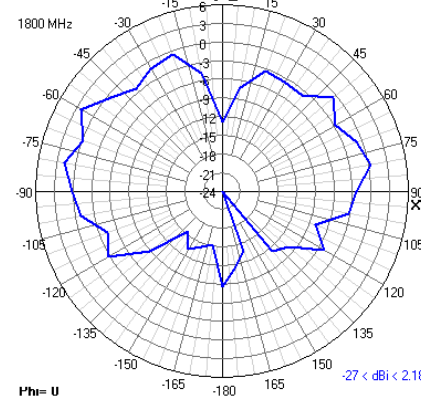
**1800 MHz XY**

Ver-gain [dBi]      10E      90Y      7E      Horizontal plane



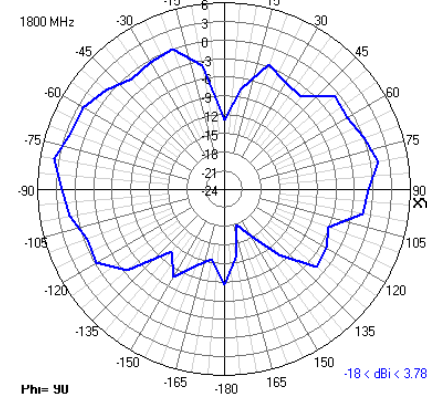
XZ

Ver-gain [dBi]	15	0	15	Vertical plane
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YZ

Ver-gain [dBi]      15      0      15      Vertical plane







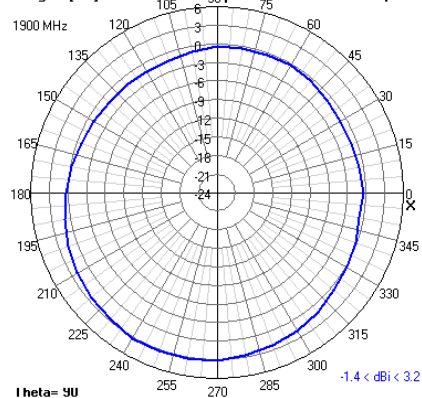
# Oscar 420

## 4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

## 2D Radiation Plots

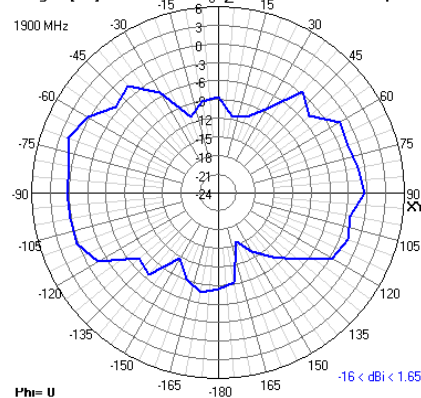
1900 MHz XY

Ver-gain [dBi]	10F	90Y	3F	Horizontal plane
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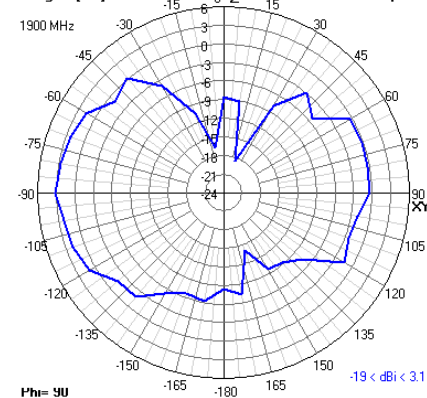
**XZ**

Ver-gain [dBi]	-15	0	15	Vertical plane
15	15	0	15	
0	0	0	0	
-15	-15	0	-15	



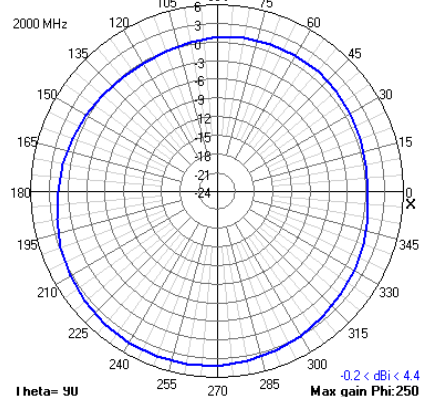
YZ

Ver-gain [dBi]	15	0	15	Vertical plane
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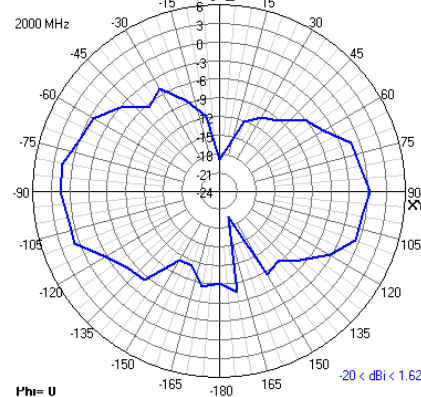
**2000 MHz XY**

Ver-gain [dBi]	105	90Y	75	Horizontal plane
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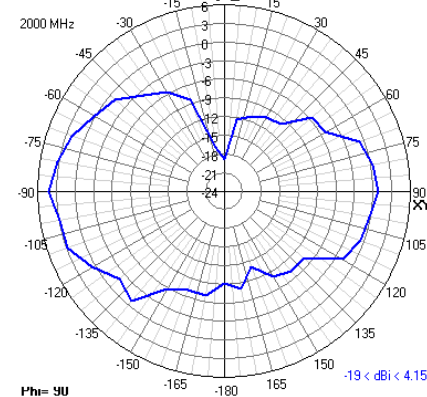
XZ

Ver-gain [dBi]	15	0	Z	15	Vertical plane
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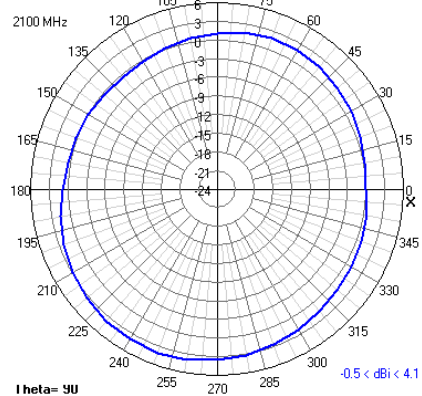
YZ

Ver-gain [dBi] 15 0 Z 15 Vertical plane



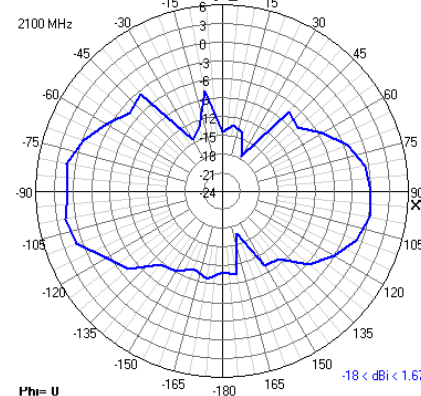
**2100 MHz XY**

Ver-gain [dBi]      10E      90Y      7E      Horizontal plane



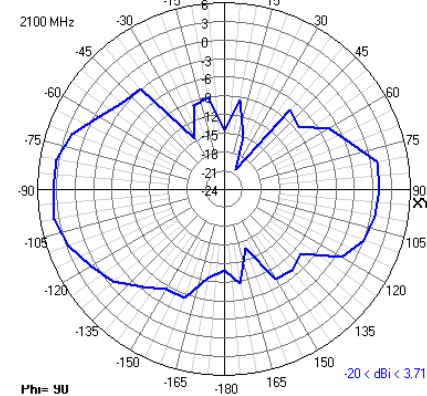
XZ

Ver-gain [dBi]	15	0	15	Vertical plane
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YZ

Ver-gain [dBi]      15      0      15      Vertical plane



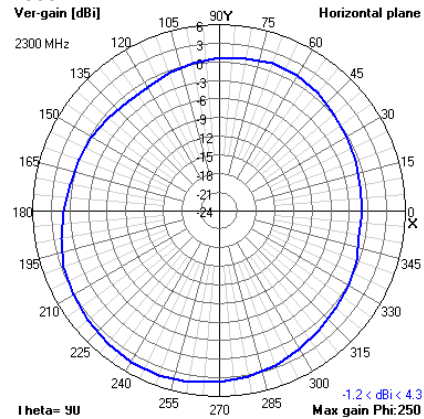


## Oscar 420

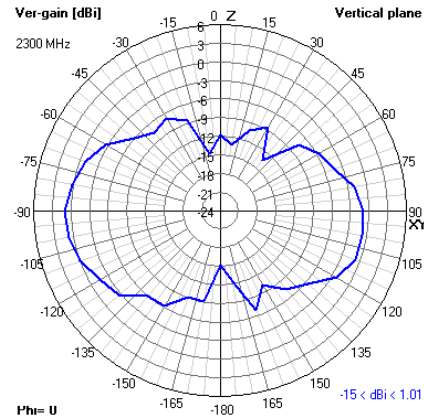
4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

### 2D Radiation Plots

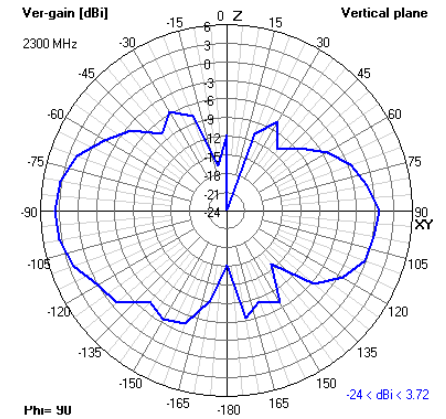
#### 2300 MHz XY



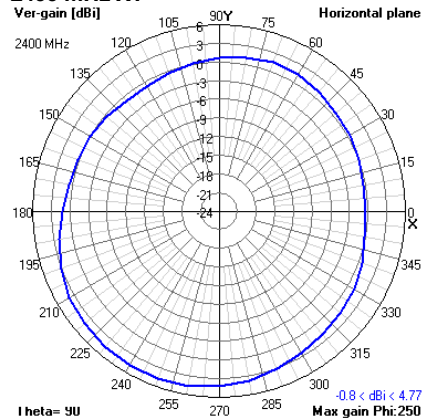
#### XZ



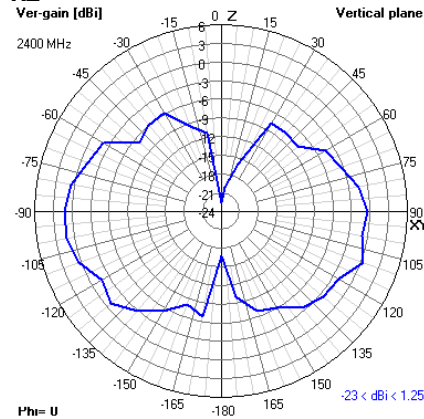
#### YZ



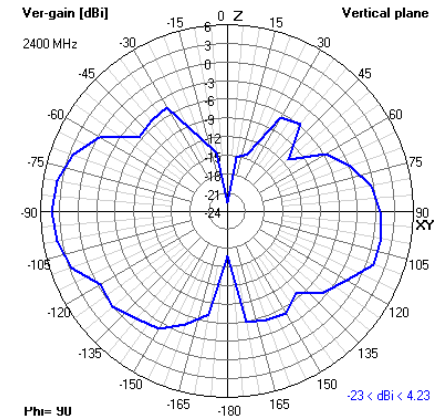
#### 2400 MHz XY



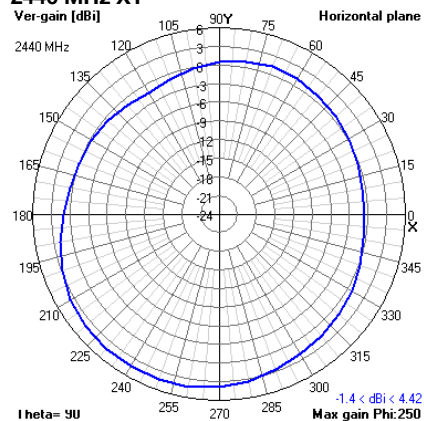
#### XZ



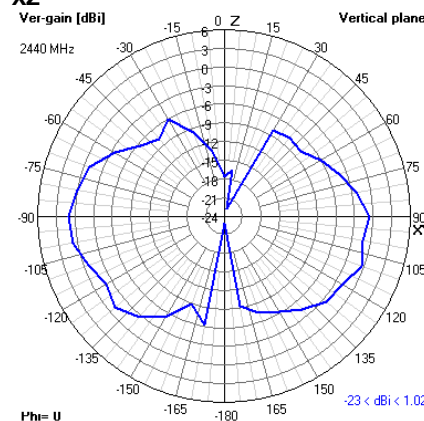
#### YZ



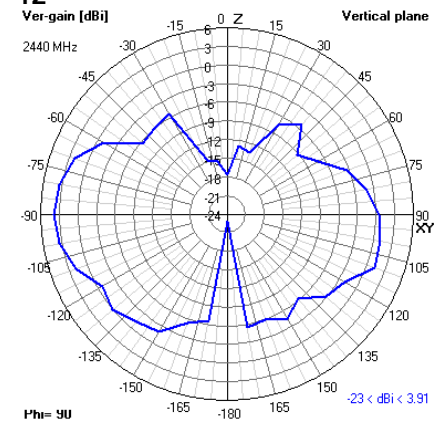
#### 2440 MHz XY



#### XZ



#### YZ



## 4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

**2460 MHz XY**

**XZ**  
Ver-gain [dBi]  
2460 MHz  
Vertical plane  
0 Z  
15 30 45 60 75 90 X  
-15 -30 -45 -60 -75 -90 -105 -120 -135 -150 -165 -180  
-12  
-15  
-18  
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**2500 MHz XY**  
Ver-gain [dBi]

Horizontal plane

2500 MHz

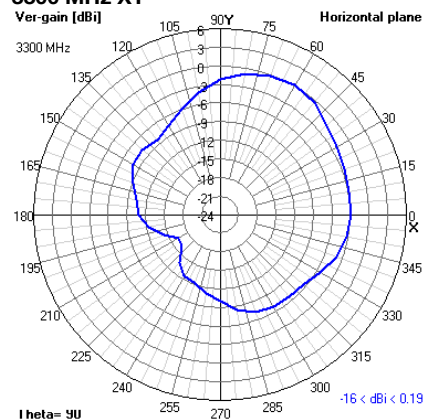
$\theta = 90^\circ$

$-1.8 < \text{dBi} < 3.66$

## 4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

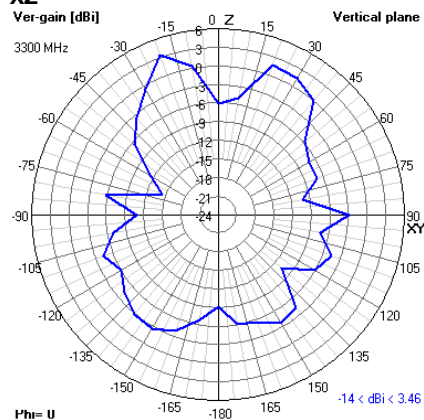
**3300 MHz XY**

Ver-gain [dBi]



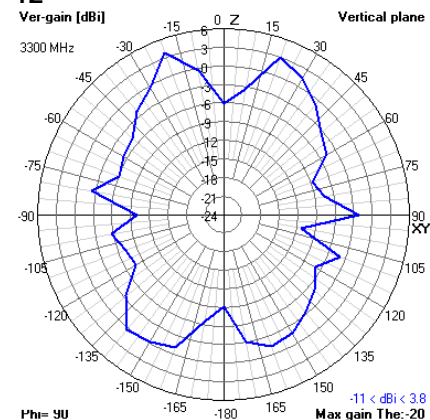
XZ

Ver-gain [dBi]



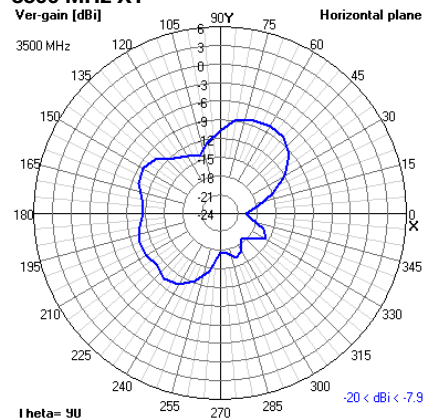
YZ

Ver-gain [dBi]



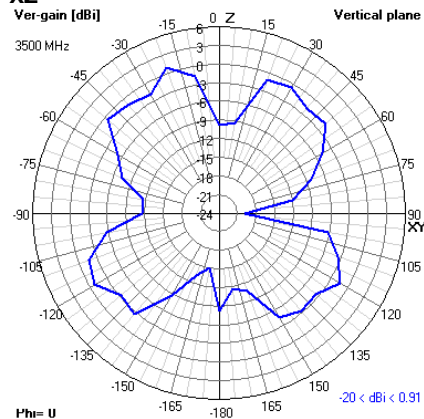
**3500 MHz XY**

Ver-gain [dBi]



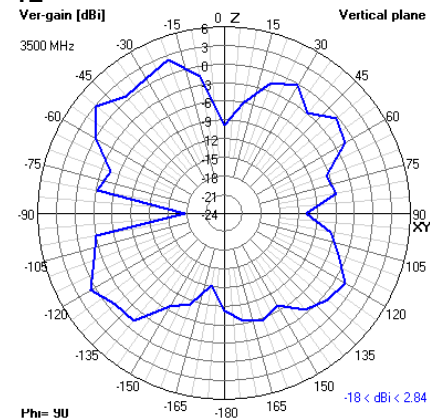
XZ

Ver-gain [dBi]



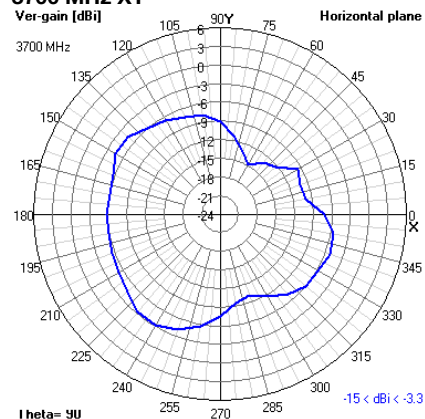
YZ

Ver-gain [dBi]



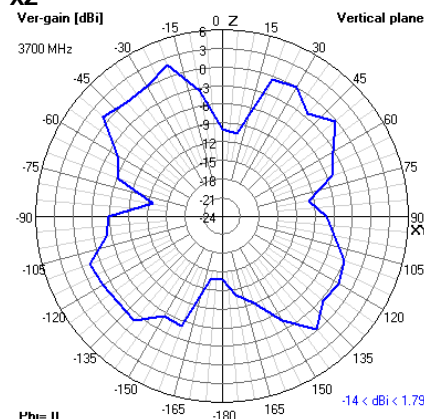
**3700 MHz XY**

Ver-gain [dBi]



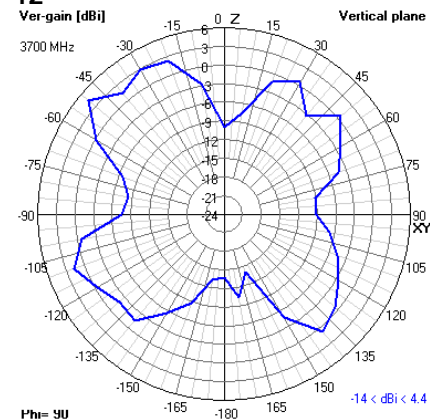
XZ

Ver-gain [dBi]



YZ

Ver-gain [dBi]



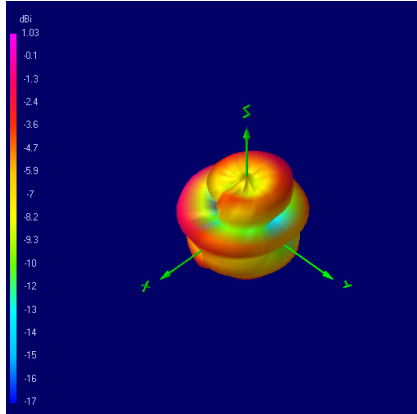


## Oscar 420

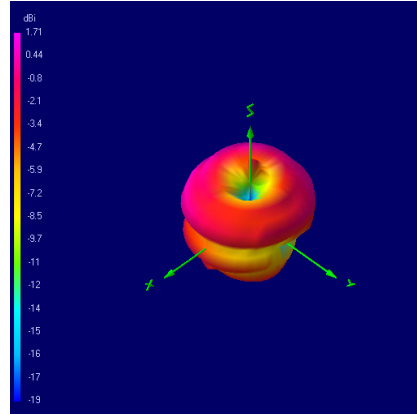
4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

### 3D Radiation Plots

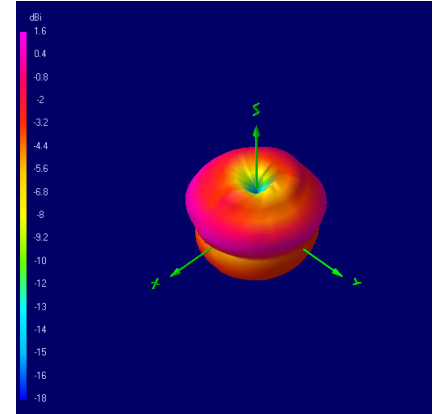
600 MHz



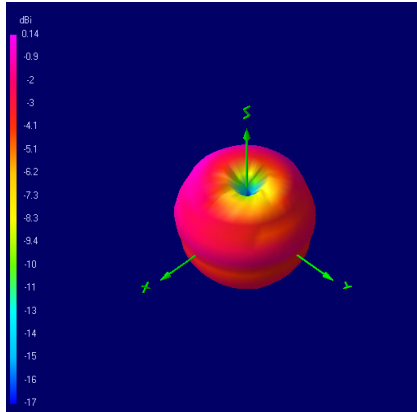
700 MHz



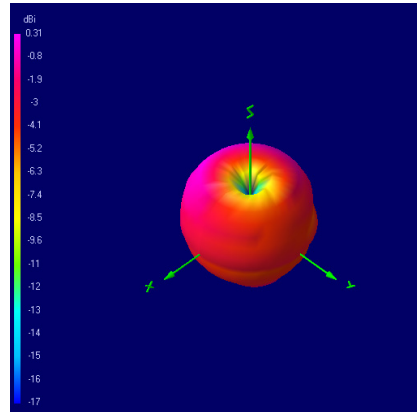
800 MHz



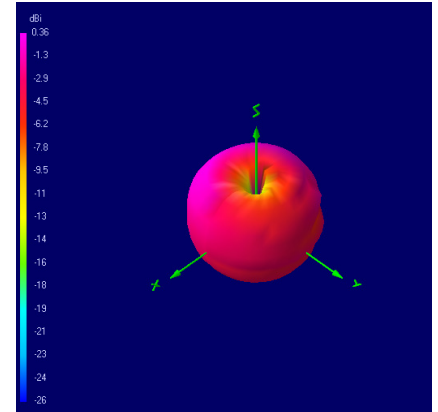
860 MHz



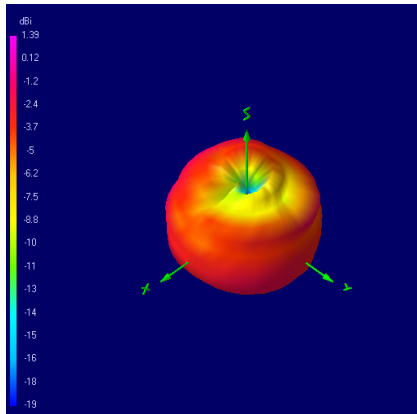
900 MHz



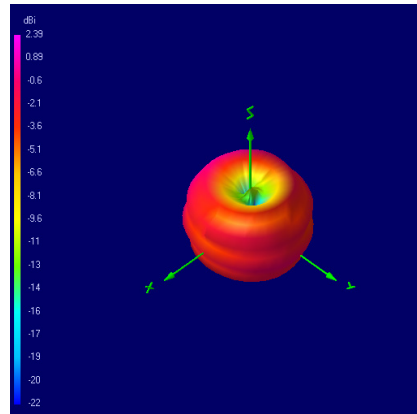
920 MHz



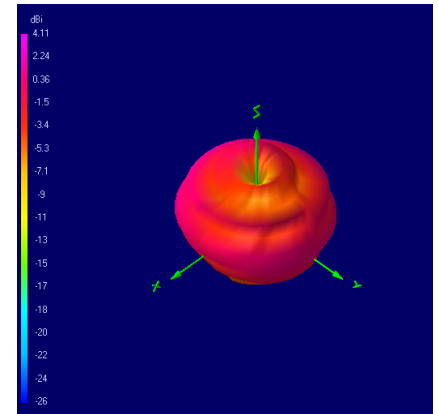
1600 MHz



1700 MHz



1800 MHz





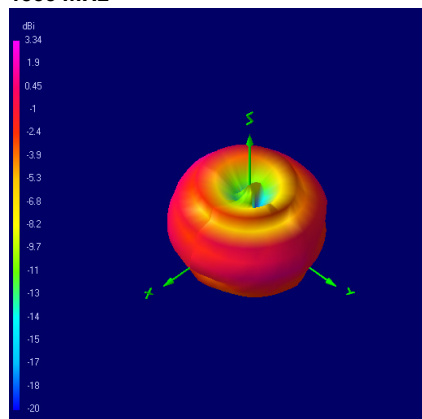


## Oscar 420

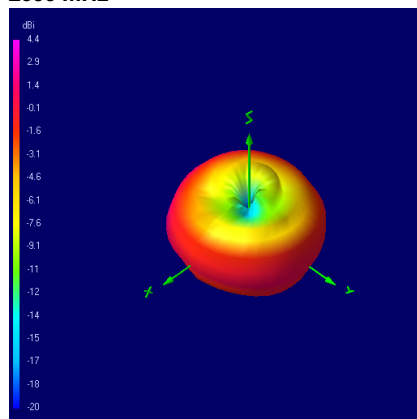
4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

### 3D Radiation Plots

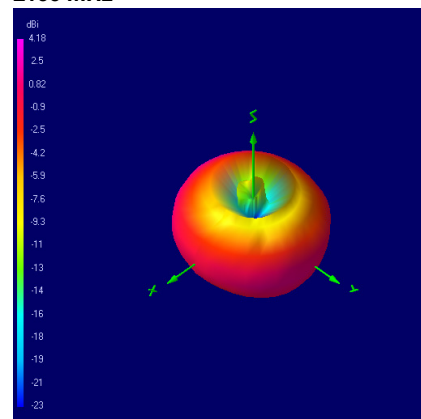
1900 MHz



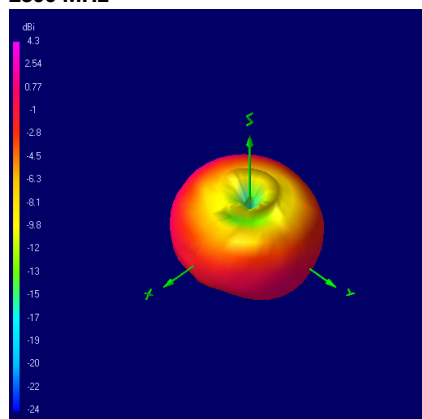
2000 MHz



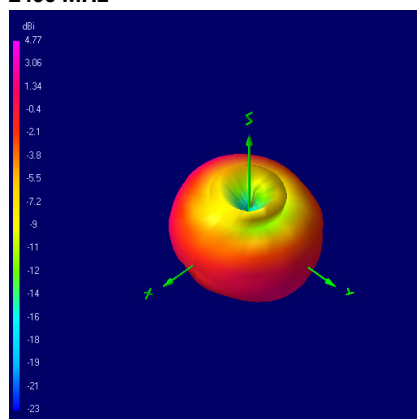
2100 MHz



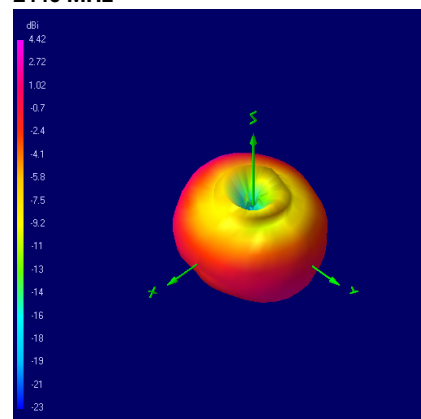
2300 MHz



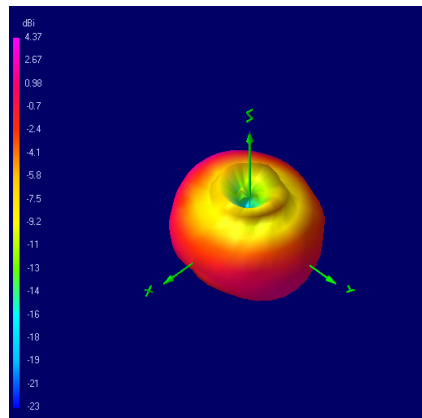
2400 MHz



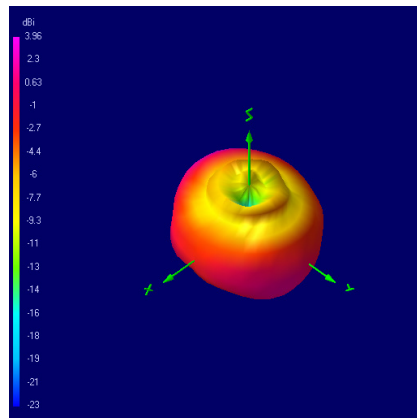
2440 MHz



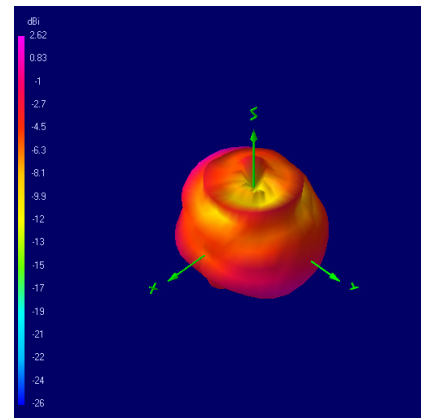
2460 MHz



2500 MHz



2600 MHz



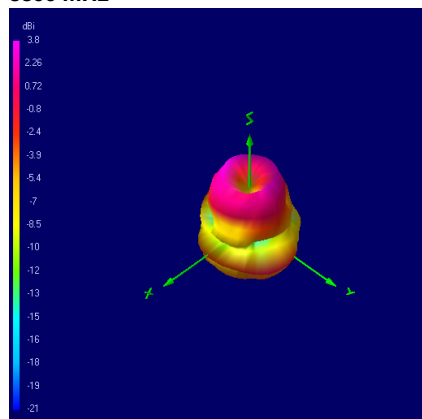


## Oscar 420

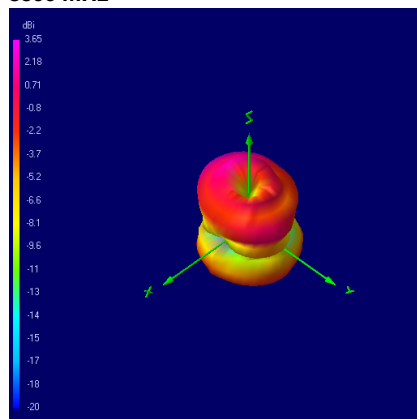
4G/5G MIMO Omni-directional Fixed Wireless Access Antenna

### 3D Radiation Plots

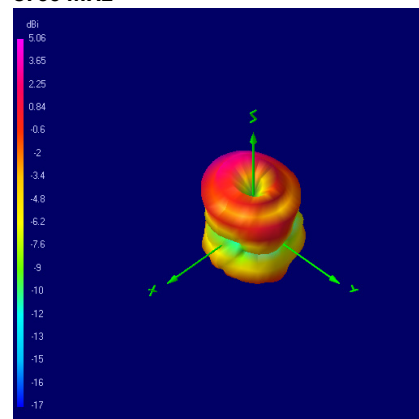
3300 MHz



3500 MHz



3700 MHz



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

### Ordering Details:

Part Number	Description
OSCAR420/0.4M/NTYPEF/S/S/19	4G/5G MIMO Omni-directional Fixed Wireless Access Antenna N-Type Female Connectors 2x 0.4 M Cables

### Associated Cables:

Part Number	Description
ASMA500R058L13	SMA (M) to N-Type (M) 5M Low Loss (LLC200A) Cable Assembly
ASMR1000A058L13	N-Type (M) to SMA (M) 10M Low Loss (LLC200A) Cable Assembly