

Oscar 70

IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna



General Description

The Oscar 70 is a high-performance, IP68-rated outdoor omnidirectional antenna engineered for wideband operation from 617 - 960 MHz to 1500 - 6000 MHz. It supports multiple wireless technologies, including 5G NR, 4G LTE, LTE-M, NB-IoT, 3G UMTS, dual-band Wi-Fi (2.4 GHz & 5 GHz), and UWB, making it ideal for fixed site and industrial connectivity applications.

Ground-plane independent and built with a rugged fiberglass radome, the Oscar 70 ensures consistent performance in demanding environments, with particularly high efficiency in key LTE and 5G bands.

The antenna is terminated with an N-Type Male connector; alternative connector options are available for high-volume orders.

Key Features

- Wideband operation from 617 MHz to 6000 MHz
- Supports 5G NR, 4G LTE, LTE-M, NB-IoT, and dual-band Wi-Fi (2.4 GHz & 5 GHz)
- Omni-directional radiation pattern for 360° coverage
- Ground-plane independent for flexible installation
- Rugged IP68-rated fiberglass enclosure for outdoor environments
- Direct terminal mounting via N-Type Male connector

Additional Considerations

- Compatible with UWB and ISM band applications
- Designed for long-term operation in harsh weather conditions
- Alternative connector options available for high-volume orders

Typical Applications

- Industrial routers and cellular gateways
- Outdoor wireless telemetry systems
- Smart city infrastructure, lighting, and waste management
- Building and perimeter security for LTE/5G-connected cameras

O Wall/Pole	5G New Radio	4G LTE	3G UMTS	2G GSM	LTE M
LTE NB-IoT	NR NB-IoT	IEEE 802.15.4	ISM 868	ISM 915	ISM 2.4G
ISM 5.8G	WiFi 4 802.11n	WiFi 5 802.11ac	WiFi 6 802.11ax	BLE Bluetooth	ZB Zigbee
LoRa Wireless	SF Sigfox	HNT Helium	W Weightless	UWB Ultra-Wideband	IP 68



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Electrical Specifications

Frequency range:	617-960 MHz, 1500-6000 MHz
Impedance:	50 Ω
Polarisation:	Linear
Average gain:	2.8 dBi
Peak gain:	5.11 dBi
Average spherically integrated total gain:	700-900 MHz: -2.78 dBi 1500-6000 MHz: -1.81 dBi
Average efficiency:	~63%
Input power:	25 W
Directionality:	Omni-directional
Ground plane independent:	Yes

Environmental Specifications

IP rating:	IP68
Operating temperature range:	-40°C to +75°C
Storage temperature range:	-40°C to +80°C

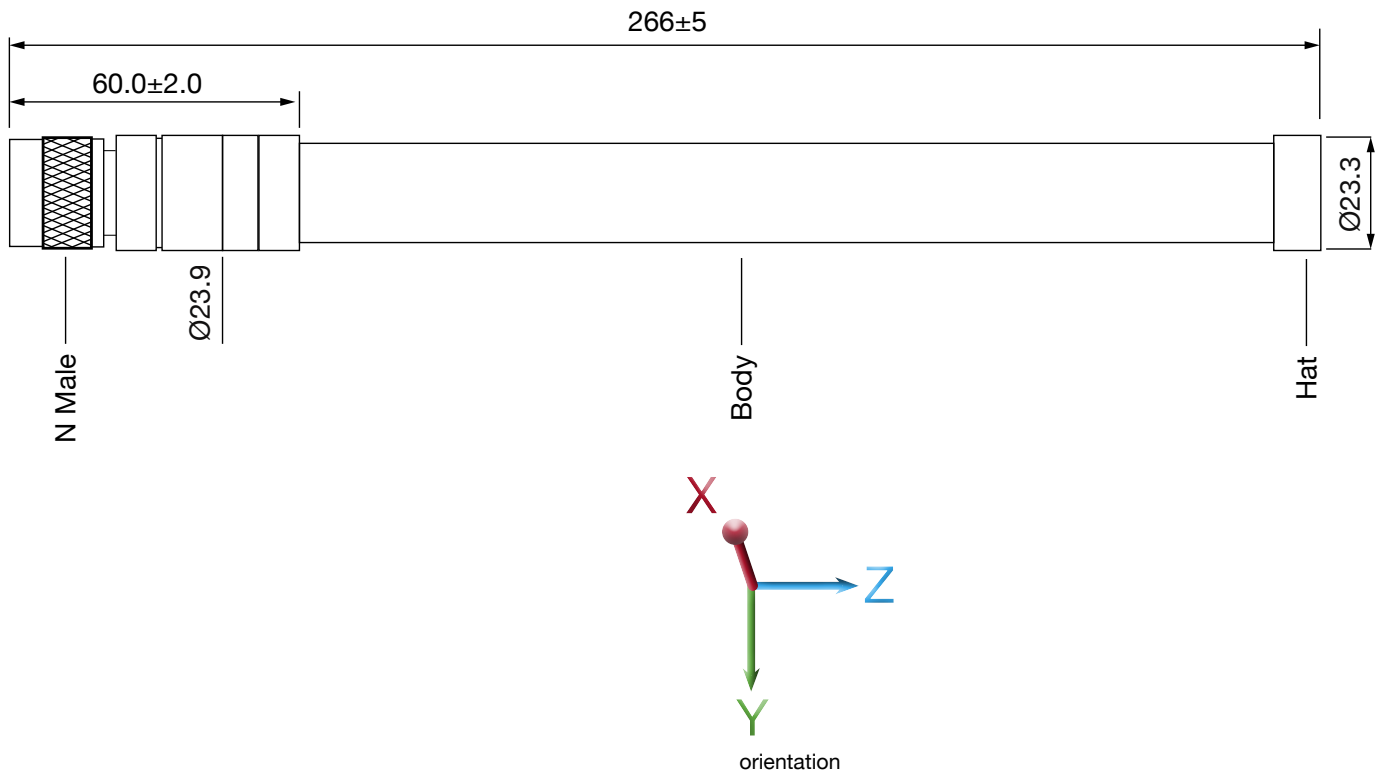
Mechanical Specifications

Colour options:	Grey
Connector options:	N-Type Male
Mounting method:	Terminal Mounted
Dimensions:	266 mm Length x $\varnothing$ 23.3 mm
Weight:	120 g
Radome:	Fibreglass (FR-PPR)

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Dimensional Drawing

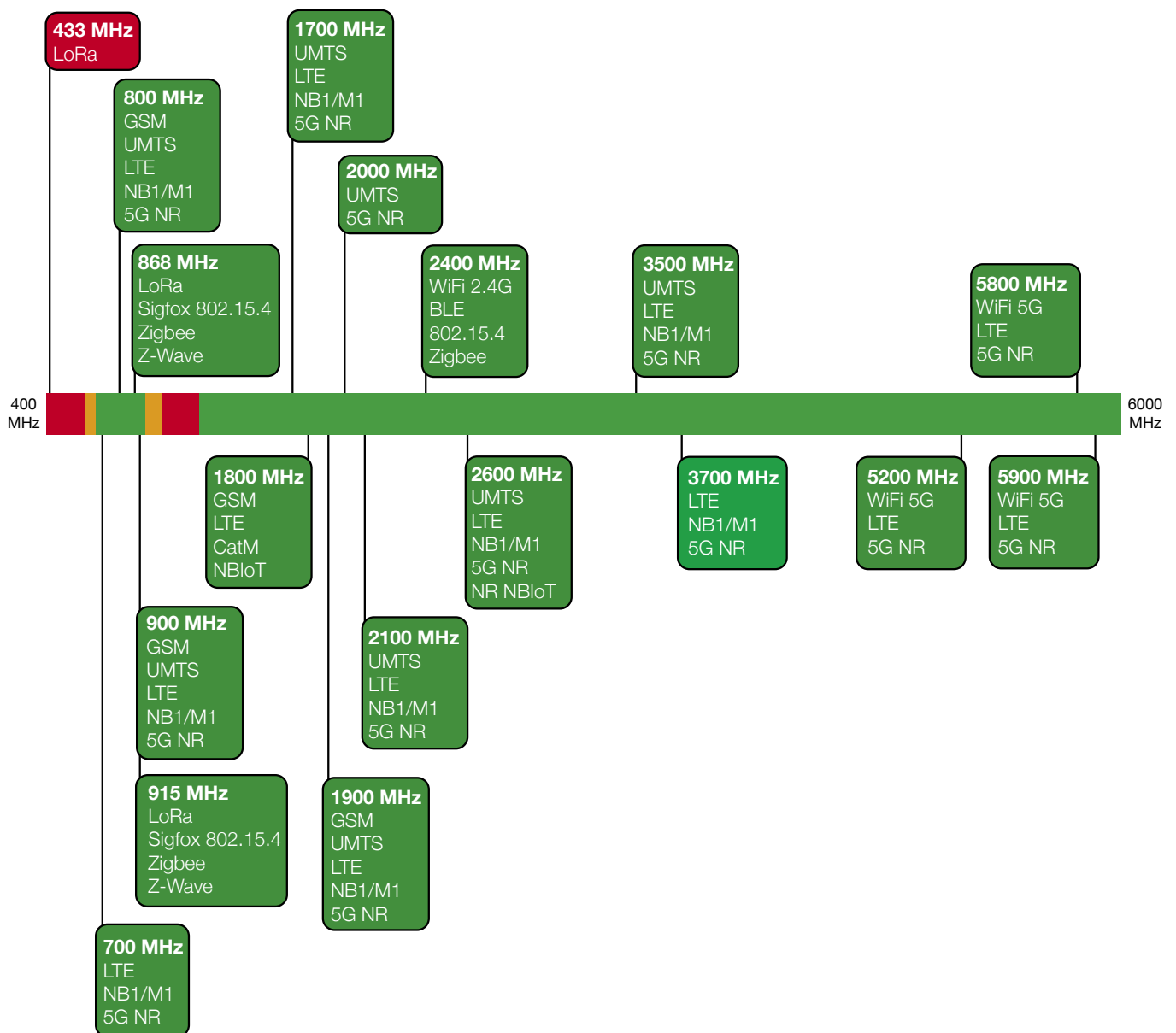




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Spectrum Coverage



● 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:				●	●	●	●	●			●	●
NTN 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:	●	●			●	●						
NTN Bands:	●				●	●						



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Usable ISM Frequency Support (433 MHz - 5800 MHz)

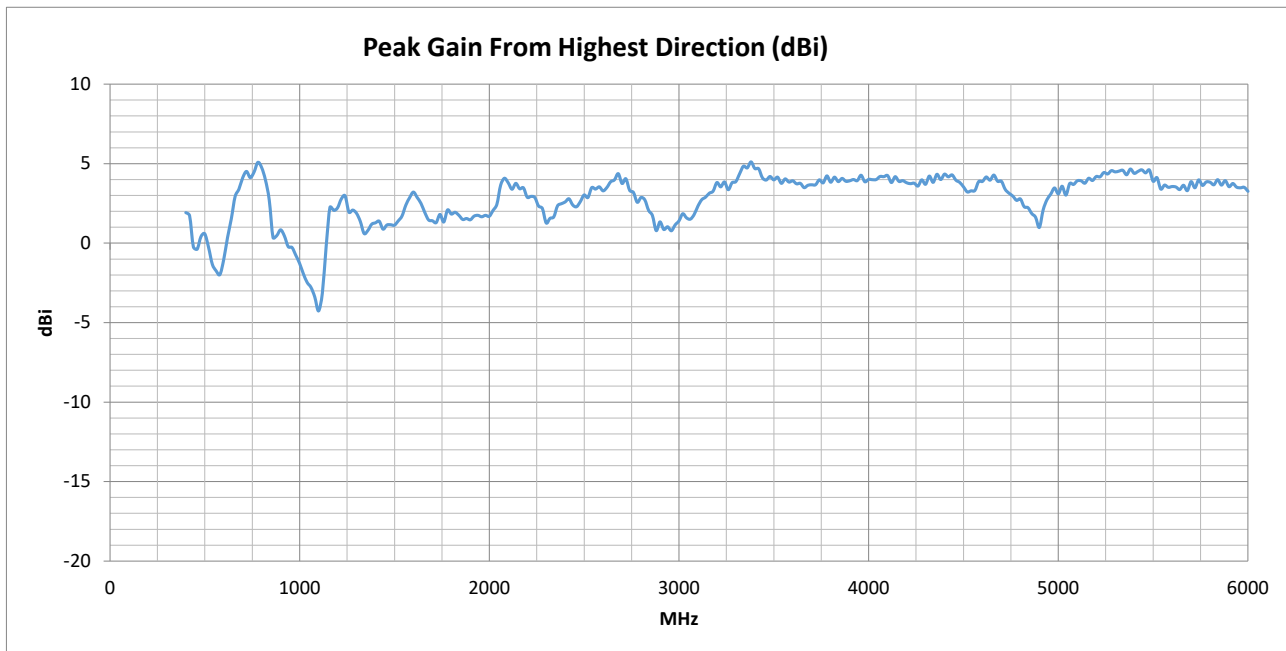
	433	868	915	2450	5800
Bluetooth				●	
Helium		●	●		
IEEE 802.15.4		●	●	●	
ISM 433					
ISM 868		●			
ISM 915			●		
ISM 2.4G				●	
ISM 5.8G					●
LoRa		●	●		
SigFox		●	●		
Weightless		●	●		
Wi-Fi 2.4G				●	
Wi-Fi 5G					●
Wi-Fi 6E					
Zigbee		●	●	●	
Z-Wave		●	●		



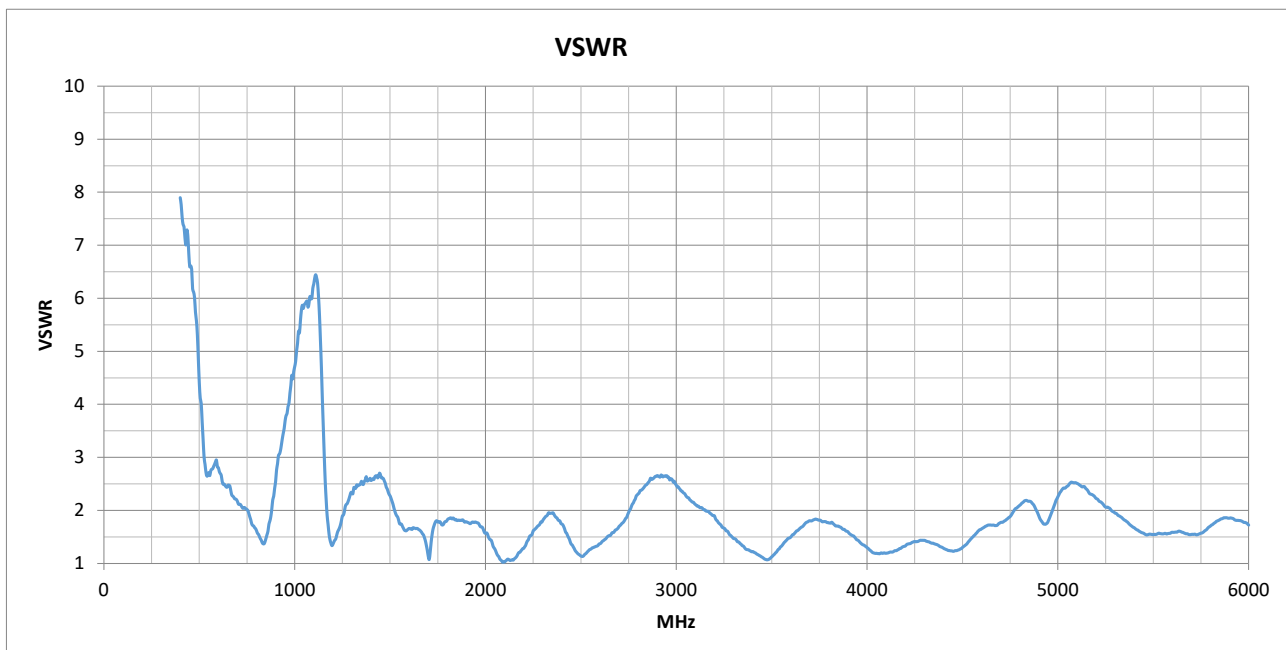
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Peak Gain vs. Frequency



VSWR

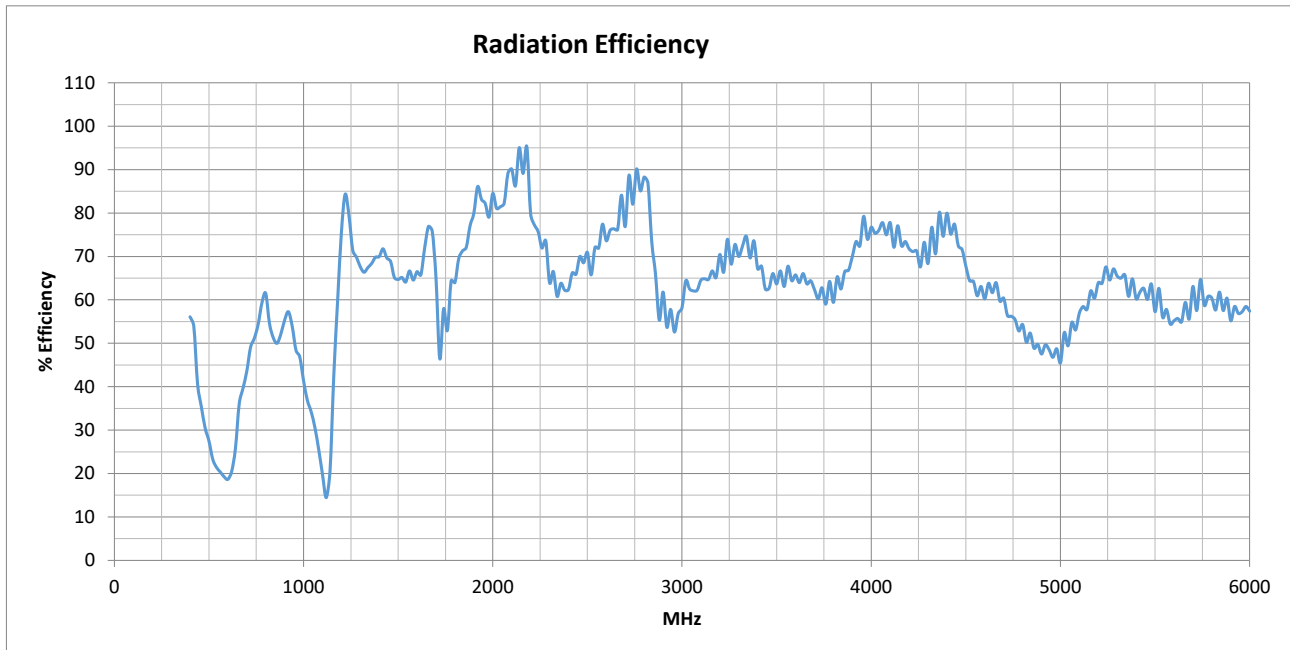




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Radiation Efficiency





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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	NTN 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	82.66	90.58	1.78	1.18	●
PCS-1900	2	2	2	2	n2	n2		1850 - 1910 MHz	1930 - 1990 MHz	76.62	81.84	1.82	1.78	●
DCS-1800	3	3	3	3	n3	n3		1710 - 1785 MHz	1805 - 1880 MHz	55.47	71.27	1.80	1.86	●
	4	4	4	4				1710 - 1755 MHz	2110 - 2155 MHz	53.25	90.64	1.80	1.10	●
GSM-850	5	5	5	5	n5	n5		824 - 849 MHz	869 - 894 MHz	52.03	52.49	1.47	2.39	●
	6							830 - 840 MHz	875 - 885 MHz	52.11	52.19	1.39	2.20	●
	7	7	7	7	n7	n7		2500 - 2570 MHz	2620 - 2690 MHz	70.29	78.24	1.31	1.65	●
E-GSM-900	8	8	8	8	n8	n8		880 - 915 MHz	925 - 960 MHz	54.73	52.90	3.04	3.83	●
	9	9						1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	58.20	73.39	1.79	1.83	●
	10	10						1710 - 1770 MHz	2110 - 2170 MHz	53.71	90.58	1.80	1.18	●
	11	11	11	11				1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	69.99	65.10	2.70	2.49	●
	12	12	12	12	n12	n12		699 - 716 MHz	729 - 746 MHz	45.63	50.97	2.17	2.05	●
	13	13	13	13	n13			777 - 787 MHz	746 - 756 MHz	59.45	52.90	1.73	2.02	●
	14	14	14	14	n14	n14		788 - 798 MHz	758 - 768 MHz	60.74	55.09	1.68	1.96	●
		17		17				704 - 716 MHz	734 - 746 MHz	46.32	51.25	2.13	2.05	●
		18	18	18	n18	n18		815 - 830 MHz	860 - 875 MHz	54.32	50.80	1.51	1.88	●
	19	19	19	19				830 - 845 MHz	875 - 890 MHz	51.78	52.57	1.41	2.27	●
	20	20	20	20	n20	n20		832 - 862 MHz	791 - 821 MHz	50.96	58.81	1.66	1.67	●
	21	21	21	21				1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	69.01	64.82	2.68	2.29	●
	22	22						3410 - 3490 MHz	3510 - 3590 MHz	64.66	65.44	1.20	1.47	●
		24	24	24	n24	n24		1626.5 - 1660.5 MHz	1525 - 1559 MHz	72.65	64.97	1.66	1.98	●
	25	25	25	25	n25	n25		1850 - 1915 MHz	1930 - 1995 MHz	77.17	81.89	1.82	1.78	●
	26	26	26	26	n26	n26		814 - 849 MHz	859 - 894 MHz	52.90	51.91	1.52	2.39	●
		27	27					807 - 824 MHz	852 - 869 MHz	56.23	50.38	1.56	1.79	●
		28	28	28	n28	n28		703 - 748 MHz	758 - 803 MHz	49.14	58.57	2.14	1.96	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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		28A						703 - 733 MHz	758 - 788 MHz	48.05	57.41	2.14	1.96	●
		29			n29			N/A	717 - 728 MHz	N/A	49.28	N/A	2.10	●
		30			n30			2305 - 2315 MHz	2350 - 2360 MHz	65.25	63.07	1.88	1.95	●
		31	31	31	n31	n31		452.5 - 457.5 MHz	462.5 - 467.5 MHz	36.71	34.17	6.61	6.36	●
	32	32						N/A	1452 - 1496 MHz	N/A	66.64	N/A	2.64	●
		33						1900 - 1920 MHz	1900 - 1920 MHz	83.04	83.04	1.78	1.78	●
		34			n34			2010 - 2025 MHz	2010 - 2025 MHz	81.69	81.69	1.55	1.55	●
		35						1850 - 1910 MHz	1850 - 1910 MHz	76.62	76.62	1.82	1.82	●
		36						1930 - 1990 MHz	1930 - 1990 MHz	81.84	81.84	1.78	1.78	●
		37						1910 - 1930 MHz	1910 - 1930 MHz	84.96	84.96	1.78	1.78	●
		38			n38			2570 - 2620 MHz	2570 - 2620 MHz	75.36	75.36	1.43	1.43	●
		39	39		n39			1880 - 1920 MHz	1880 - 1920 MHz	80.79	80.79	1.82	1.82	●
		40	40		n40			2300 - 2400 MHz	2300 - 2400 MHz	63.31	63.31	1.95	1.95	●
		41	41	41	n41	n41		2496 - 2690 MHz	2496 - 2690 MHz	74.47	74.47	1.65	1.65	●
		42	42	42				3400 - 3600 MHz	3400 - 3600 MHz	65.11	65.11	1.50	1.50	●
		43	43	43				3600 - 3800 MHz	3600 - 3800 MHz	62.95	62.95	1.83	1.83	●
		44						703 - 803 MHz	703 - 803 MHz	53.79	53.79	2.14	2.14	●
		45						1447 - 1467 MHz	1447 - 1467 MHz	68.81	68.81	2.69	2.69	●
		46			n46			5150 - 5925 MHz	5150 - 5925 MHz	60.65	60.65	2.40	2.40	●
		47			n47			5855 - 5925 MHz	5855 - 5925 MHz	57.92	57.92	1.86	1.86	●
		48	48	48	n48			3550 - 3700 MHz	3550 - 3700 MHz	64.89	64.89	1.80	1.80	●
		49						3550 - 3700 MHz	3550 - 3700 MHz	64.89	64.89	1.80	1.80	●
		50			n50			1432 - 1517 MHz	1432 - 1517 MHz	66.92	66.92	2.70	2.70	●
		51			n51			1427 - 1432 MHz	1427 - 1432 MHz	70.77	70.77	2.65	2.65	●
		52						3300 - 3400 MHz	3300 - 3400 MHz	71.78	71.78	1.47	1.47	●

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		53			n53			2483.5 - 2495 MHz	2483.5 - 2495 MHz	69.66	69.66	1.18	1.18	●
		54	54	54	n54	n54		1670 - 1675 MHz	1670 - 1675 MHz	76.25	76.25	1.56	1.56	●
		65		65	n65	n65		1920 - 2010 MHz	2110 - 2200 MHz	82.58	90.25	1.78	1.28	●
		66	66	66	n66	n66		1710 - 1780 MHz	2110 - 2200 MHz	54.83	90.25	1.80	1.28	●
		67			n67			N/A	738 - 758 MHz	N/A	52.44	N/A	2.05	●
		68						698 - 728 MHz	753 - 783 MHz	46.97	56.37	2.18	2.00	●
		69						N/A	2570 - 2620 MHz	N/A	75.36	N/A	1.43	●
		70		70	n70	n70		1695 - 1710 MHz	1995 - 2020 MHz	62.37	83.02	1.25	1.58	●
		71	71	71	n71	n71		663 - 698 MHz	617 - 652 MHz	39.80	24.85	2.41	2.62	●
		72	72	72	n72	n72		451 - 456 MHz	461 - 466 MHz	37.10	34.54	6.61	6.47	●
		73	73	73				450 - 455 MHz	460 - 465 MHz	37.37	34.78	6.61	6.55	●
		74	74	74	n74	n74		1427 - 1470 MHz	1475 - 1518 MHz	69.28	65.01	2.70	2.51	●
		75			n75			N/A	1432 - 1517 MHz	N/A	66.92	N/A	2.70	●
		76			n76			N/A	1427 - 1432 MHz	N/A	70.77	N/A	2.65	●
					n77			3300 - 4200 MHz	3300 - 4200 MHz	68.65	68.65	1.83	1.83	●
					n78			3300 - 3800 MHz	3300 - 3800 MHz	65.58	65.58	1.83	1.83	●
					n79			4400 - 5000 MHz	4400 - 5000 MHz	58.92	58.92	2.26	2.26	●
					n80			1710 - 1785 MHz	N/A	55.47	N/A	1.80	N/A	●
					n81			880 - 915 MHz	N/A	54.73	N/A	3.04	N/A	●
					n82			832 - 862 MHz	N/A	50.96	N/A	1.66	N/A	●
					n83			703 - 748 MHz	N/A	49.14	N/A	2.14	N/A	●
					n84			1920 - 1980 MHz	N/A	82.66	N/A	1.78	N/A	●
		85	85	85	n85			698 - 716 MHz	728 - 746 MHz	45.50	50.91	2.18	2.05	●
					n86			1710 - 1780 MHz	N/A	54.83	N/A	1.80	N/A	●
		87	87	87				410 - 415 MHz	420 - 425 MHz	54.76	52.29	7.53	7.34	●

● 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	NTN 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	54.54	50.96	7.47	7.26	●
					n89			824 - 849 MHz	N/A	52.03	N/A	1.47	N/A	●
					n90	n90		2496 - 2690 MHz	2496 - 2690 MHz	74.47	74.47	1.65	1.65	●
					n91			832 - 862 MHz	1427 - 1432 MHz	50.96	70.77	1.66	2.65	●
					n92			832 - 862 MHz	1432 - 1517 MHz	50.96	66.92	1.66	2.70	●
					n93			880 - 915 MHz	1427 - 1432 MHz	54.73	70.77	3.04	2.65	●
					n94			880 - 915 MHz	1432 - 1517 MHz	54.73	66.92	3.04	2.70	●
					n95			2010 - 2025 MHz	N/A	81.69	N/A	1.55	N/A	●
					n97			2300 - 2400 MHz	N/A	63.31	N/A	1.95	N/A	●
					n98			1880 - 1920 MHz	N/A	80.79	N/A	1.82	N/A	●
					n99			1626.5 - 1660.5 MHz	N/A	72.65	N/A	1.66	N/A	●
1900					n101			1900 - 1910 MHz	1900 - 1910 MHz	81.51	81.51	1.78	1.78	●
		103		103				787 - 788 MHz	757 - 758 MHz	60.13	53.93	1.69	1.97	●
					n105			663 - 703 MHz	612 - 652 MHz	40.29	24.24	2.41	2.68	●
							n254	1610 - 1625.5 MHz	2483.5 - 2500 MHz	66.19	69.96	1.67	1.18	●
							n255	1626.5 - 1660.5 MHz	1525 - 1559 MHz	72.65	64.97	1.66	1.98	●
							n256	1980 - 2010 MHz	2170 - 2200 MHz	82.42	89.59	1.69	1.28	●

● 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	44.70	7.27	0.46	●
ISM 868 MHz	863 - 870 MHz	50.69	1.80	0.42	●
ISM 915 MHz	902 - 928 MHz	56.47	3.18	0.80	●
ISM 2.4 GHz	2400 - 2500 MHz	67.47	1.74	3.03	●
Wi-Fi 2.4G	2401 - 2483 MHz	67.02	1.74	2.79	●
Wi-Fi 2.4G (USA)	2401 - 2473 MHz	66.77	1.74	2.79	●
Wi-Fi 2.4G (Japan)	2401 - 2495 MHz	67.35	1.74	2.93	●
Wi-Fi 5G (all channels)	5150 - 5990 MHz	60.42	2.40	4.66	●
Wi-Fi 5G (Ch 32-48)	5150 - 5250 MHz	63.39	2.40	4.44	●
Wi-Fi 5G (Ch 32-64)	5150 - 5330 MHz	64.40	2.40	4.56	●
Wi-Fi 5G (Ch 32-161)	5150 - 5815 MHz	61.00	2.40	4.66	●
Wi-Fi 5G (Ch 32-173)	5150 - 5875 MHz	60.86	2.40	4.66	●
ISM 5.8 GHz	5725 - 5875 MHz	60.14	1.86	3.99	●
UWB band 1	3168 - 3696 MHz	67.37	1.98	5.11	●
UWB band 2	3696 - 4224 MHz	70.27	1.83	4.27	●
UWB band 3	4224 - 4752 MHz	67.77	1.89	4.34	●
UWB band 4	4752 - 5280 MHz	54.71	2.53	4.56	●
UWB band 5	5280 - 5808 MHz	60.31	2.00	4.66	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

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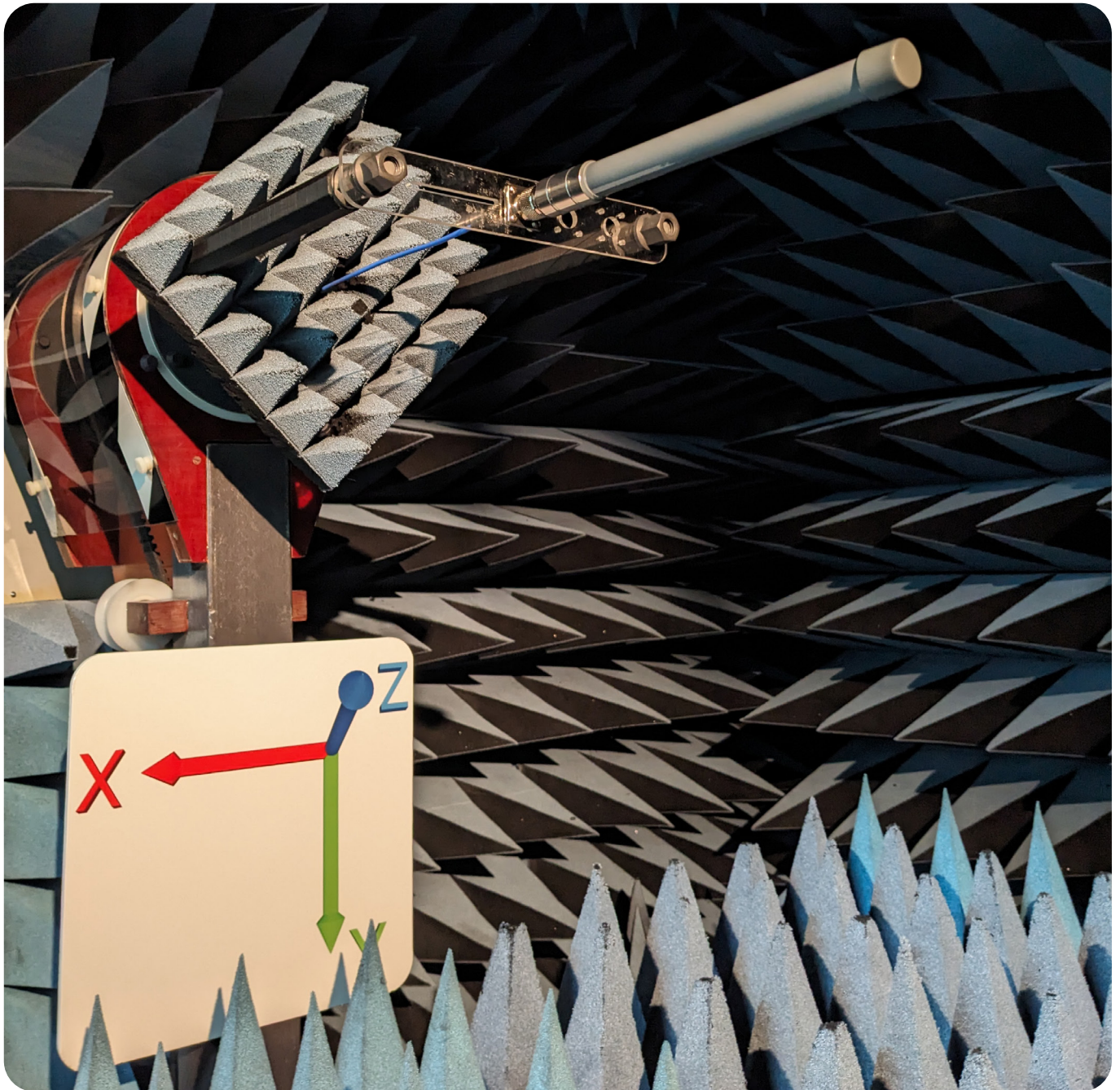
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Test Setup (in Free Space)





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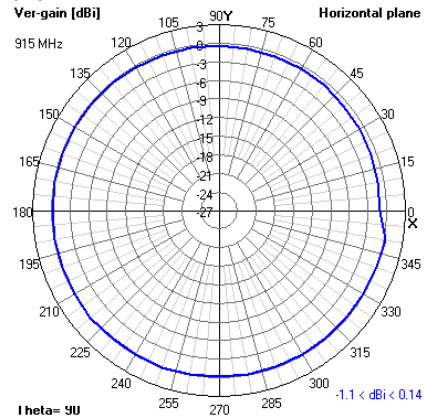
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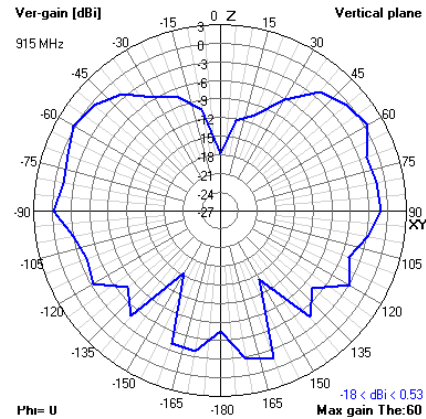
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

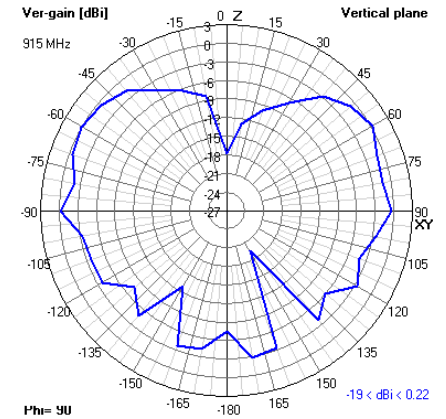
915 MHz XY



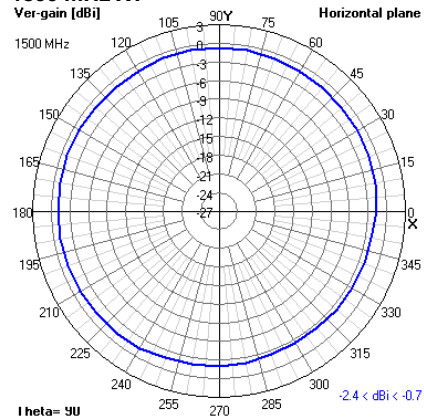
XZ



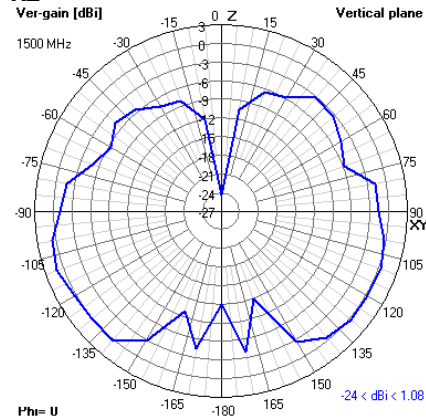
YZ



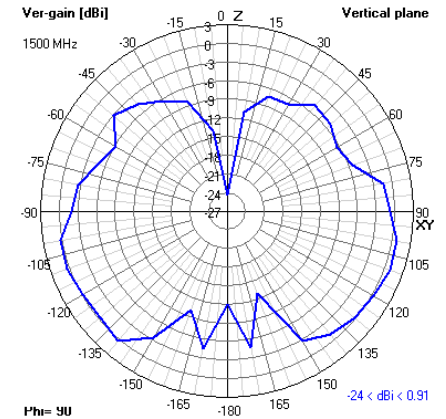
1500 MHz XY



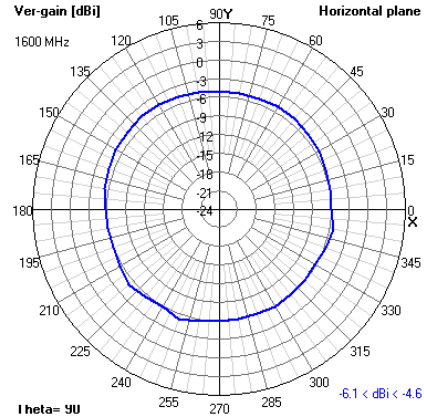
XZ



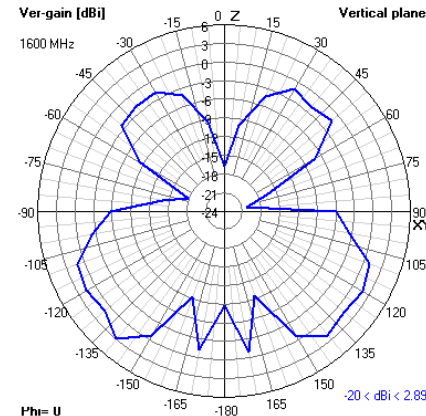
YZ



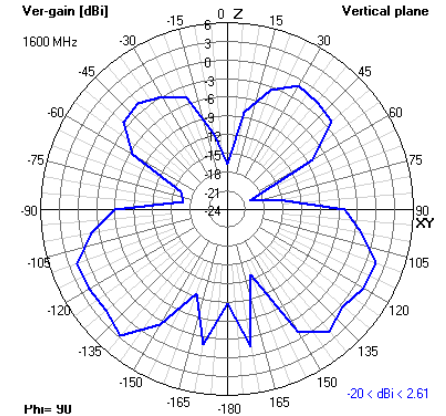
1600 MHz XY



XZ



YZ



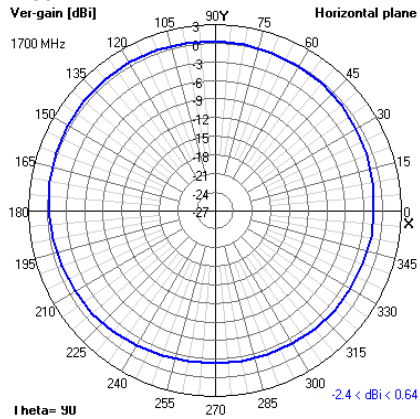


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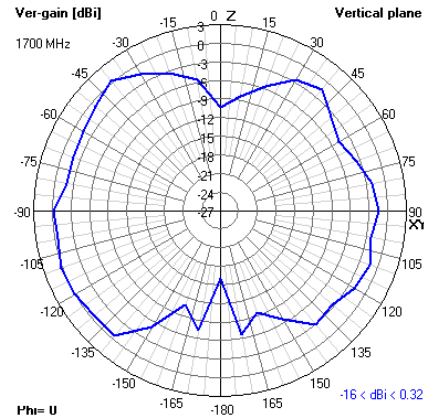
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

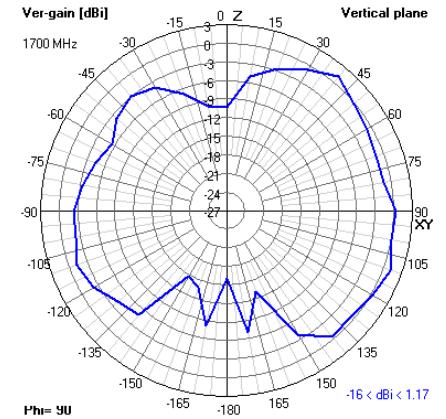
1700 MHz XY



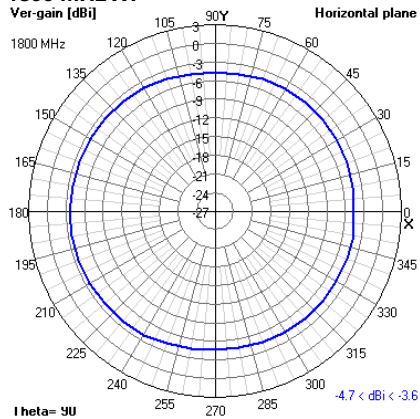
XZ



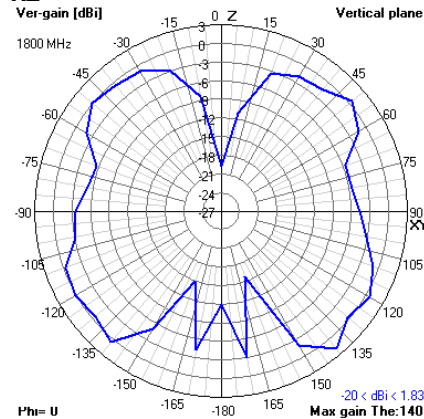
YZ



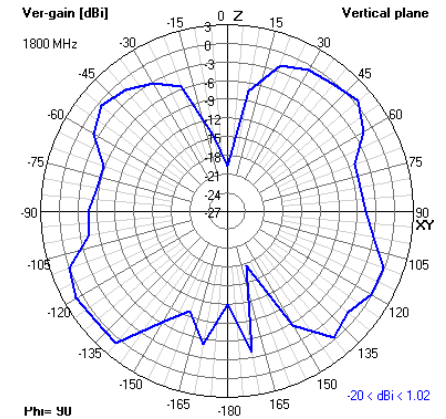
1800 MHz XY



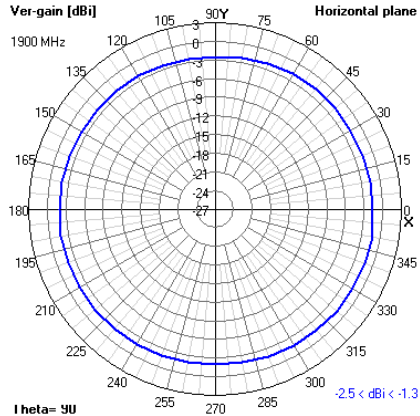
XZ



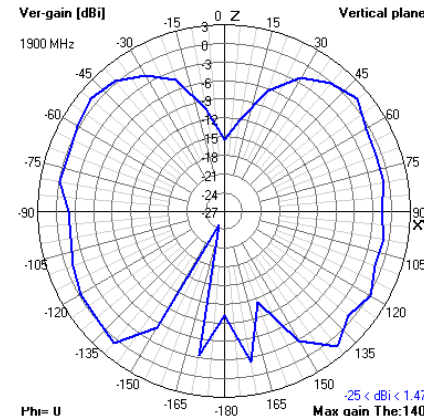
YZ



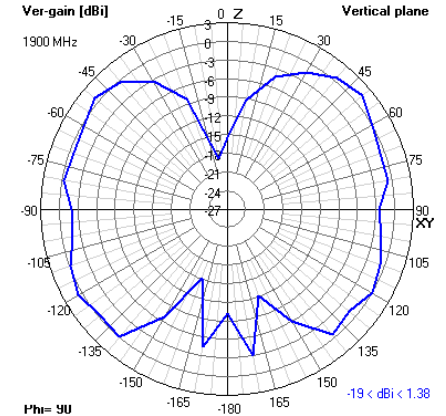
1900 MHz XY



XZ



YZ





IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

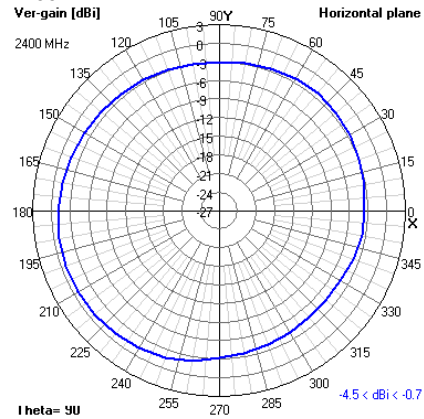


Oscar 70

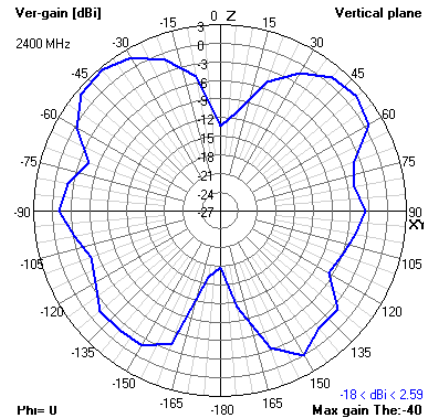
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

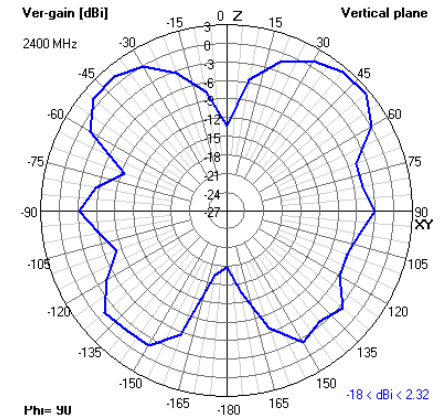
2400 MHz XY



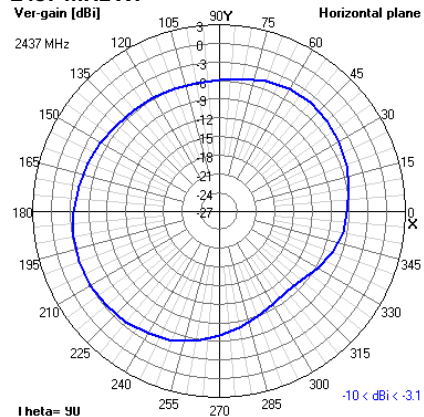
XZ



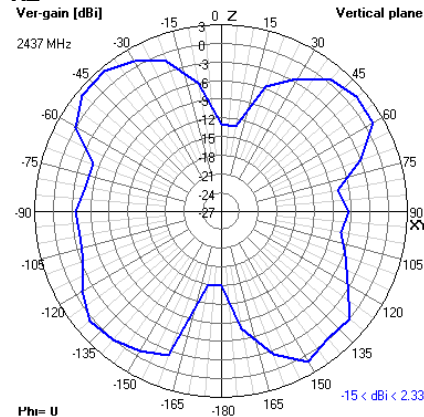
YZ



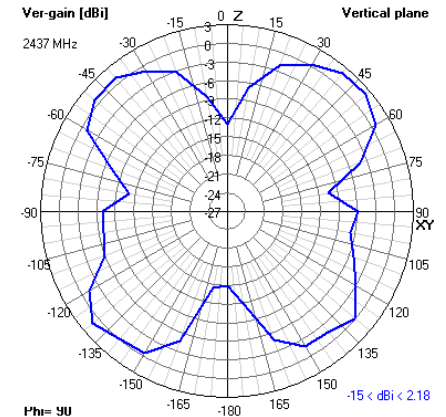
2437 MHz XY



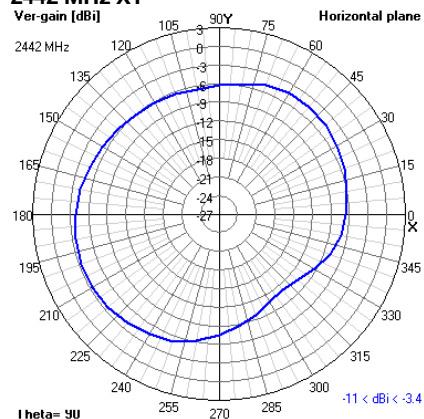
XZ



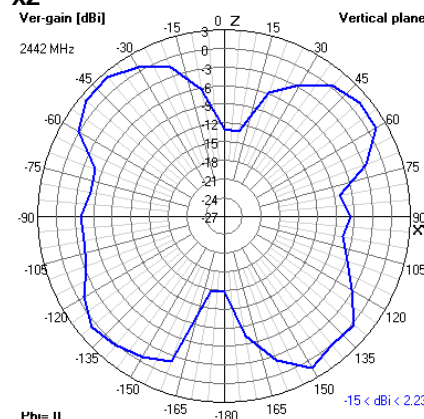
YZ



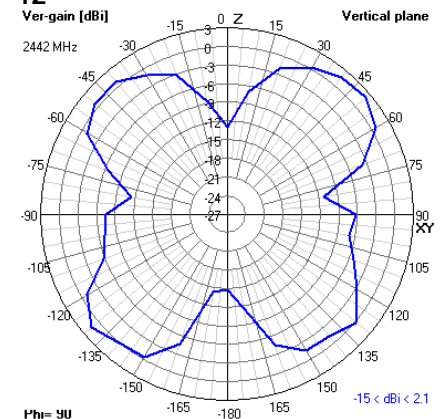
2442 MHz XY



XZ



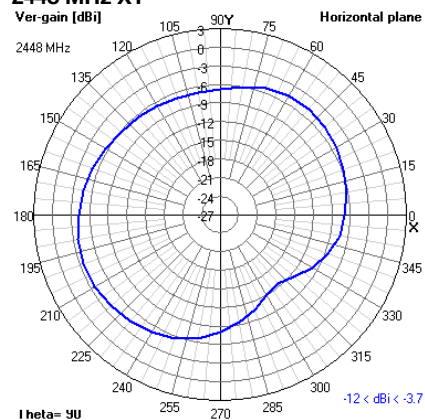
YZ



IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

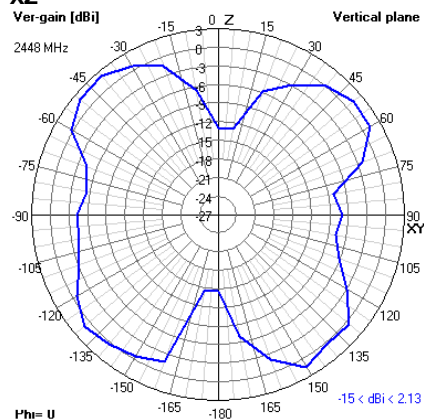
2448 MHz XY

Ver-gain [dBi]



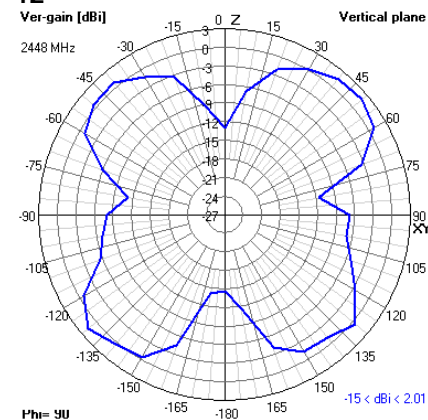
XZ

Ver-gain [dBi]



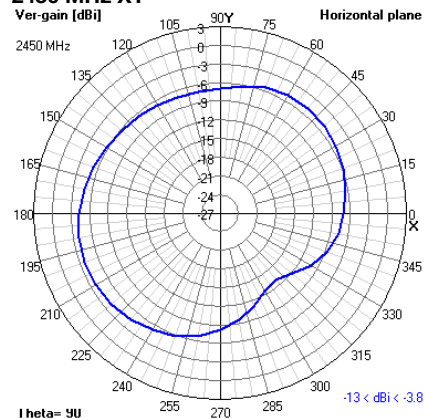
YZ

Ver-gain [dBi]



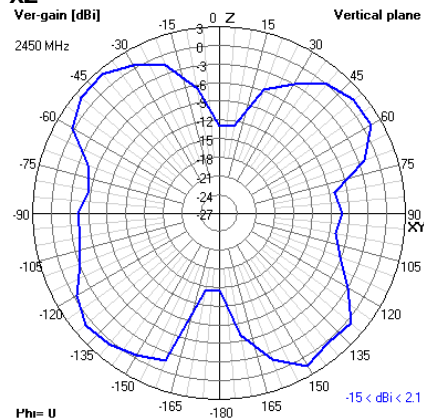
2450 MHz XY

Ver-gain [dBi]



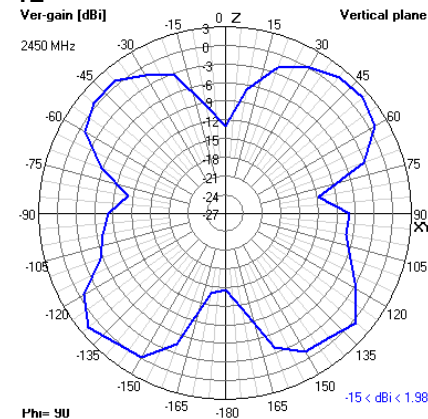
XZ

Ver-gain [dBi]



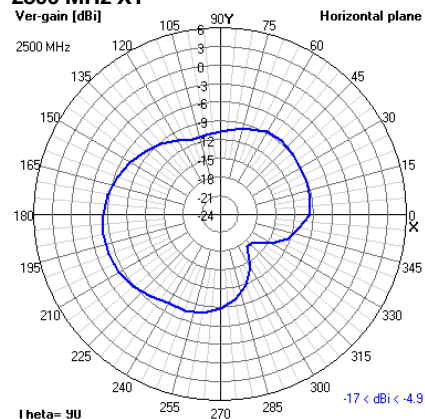
YZ

Ver-gain [dBi]



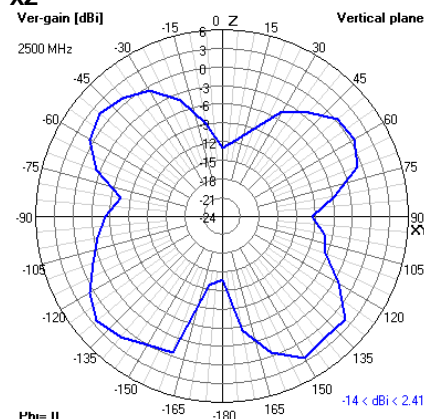
2500 MHz XY

Ver-gain [dBi]



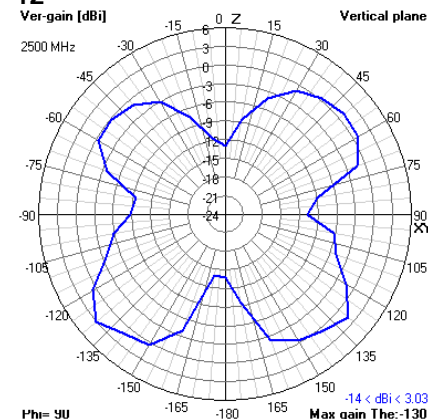
XZ

Ver-gain [dBi]



YZ

Ver-gain [dBi]



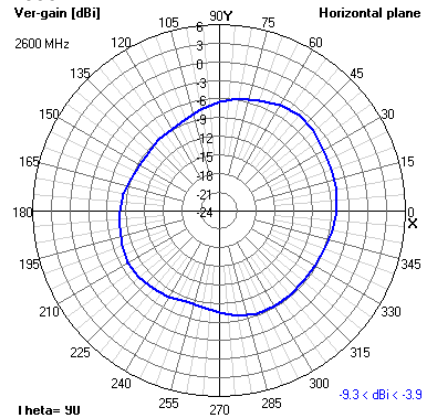


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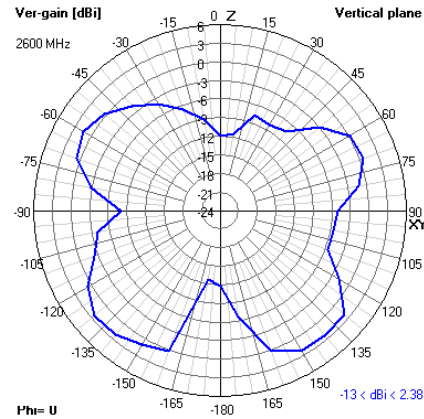
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

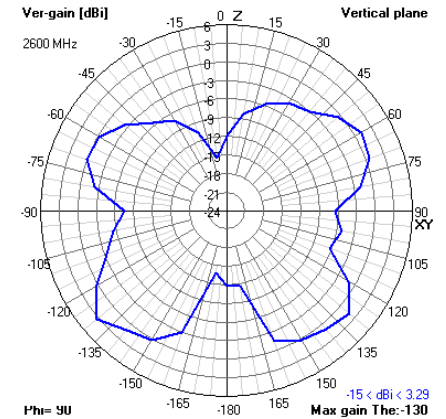
2600 MHz XY



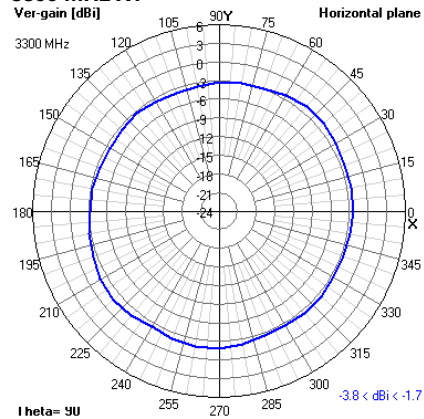
XZ



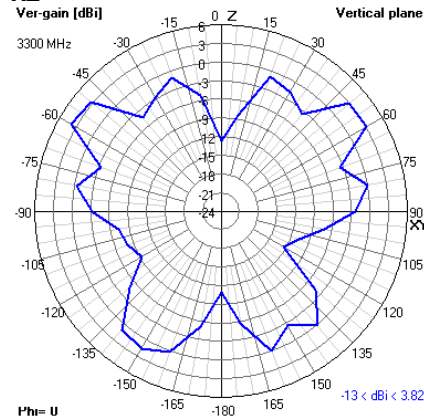
YZ



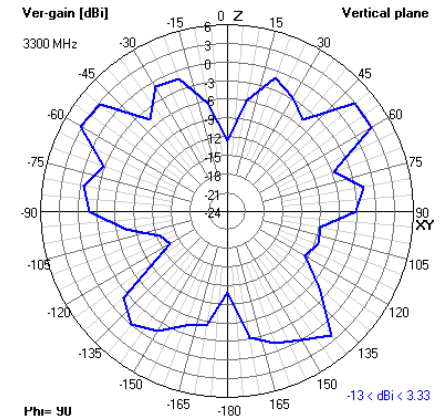
3300 MHz XY



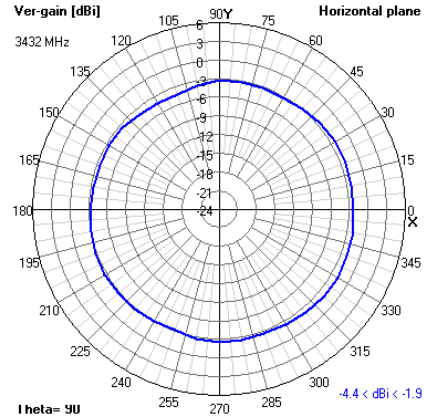
XZ



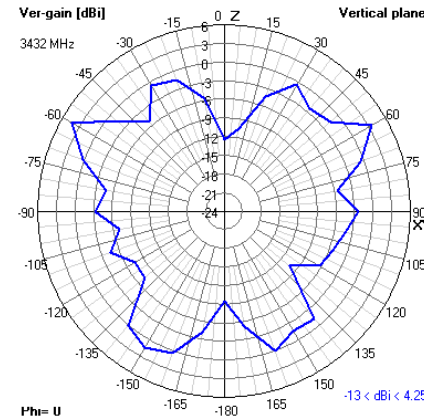
YZ



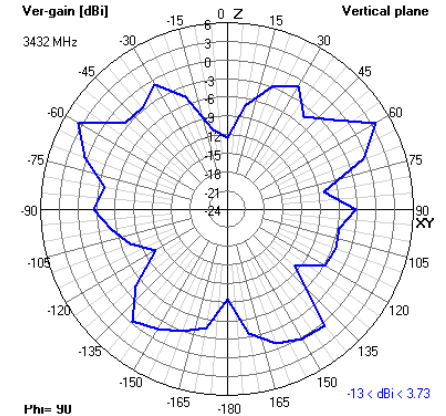
3432 MHz XY



XZ



YZ





IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

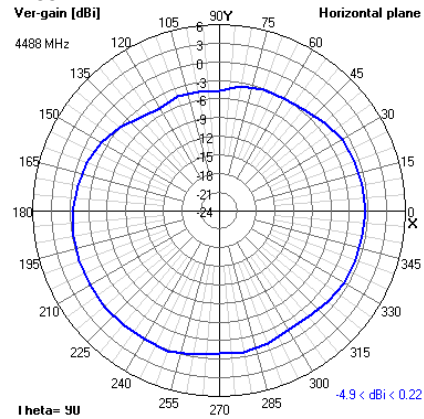


Oscar 70

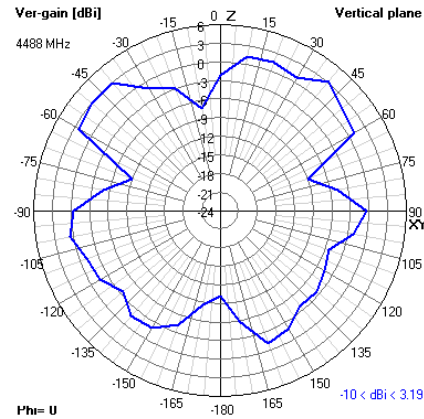
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

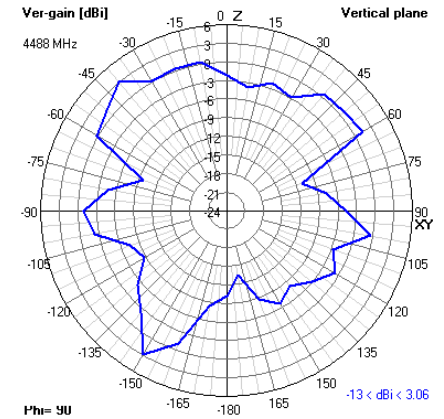
4488 MHz XY



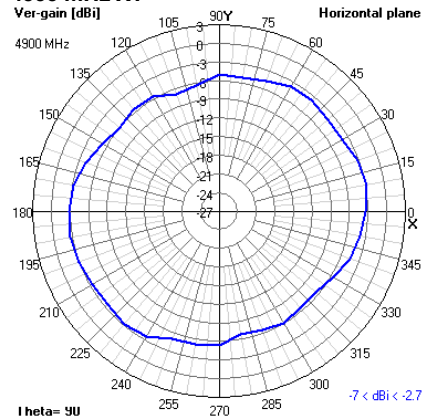
XZ



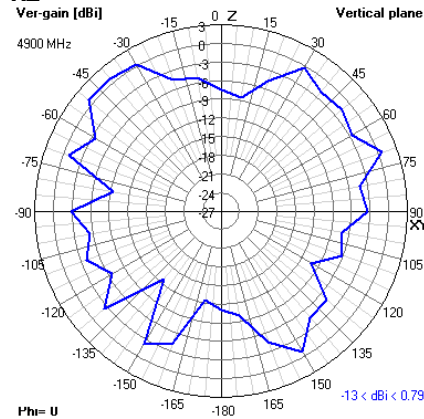
YZ



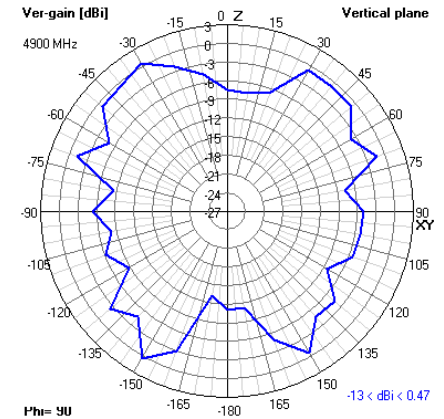
4900 MHz XY



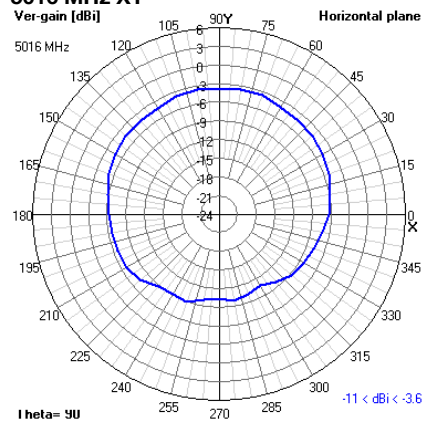
XZ



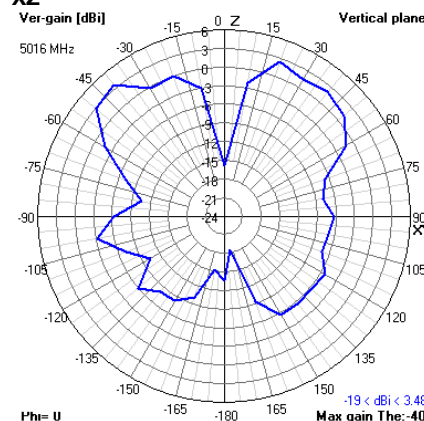
YZ



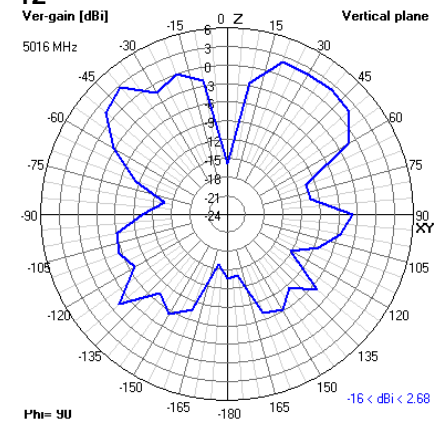
5016 MHz XY



XZ



YZ



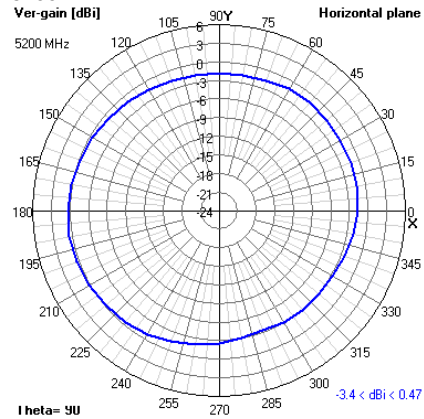


Oscar 70

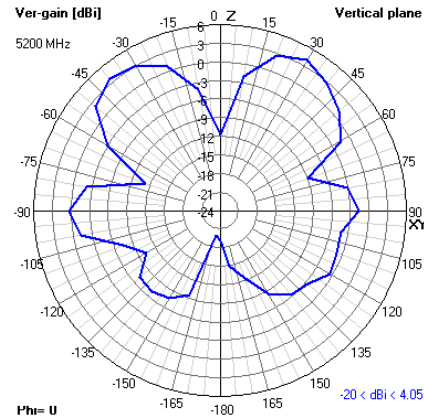
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

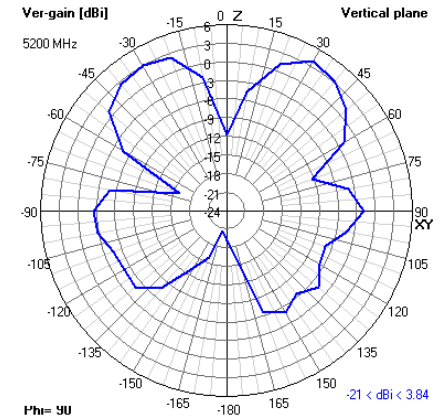
5200 MHz XY



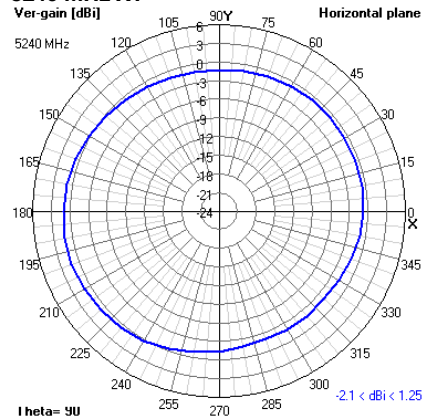
XZ



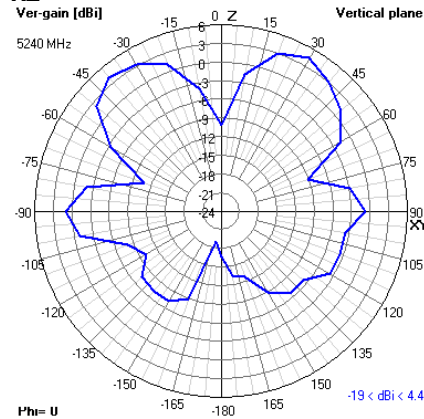
YZ



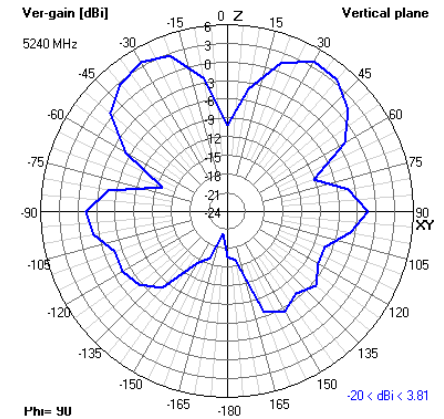
5240 MHz XY



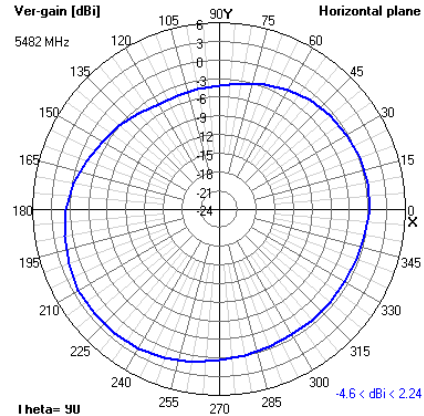
XZ



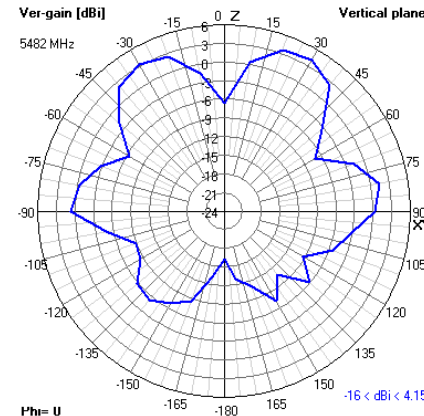
YZ



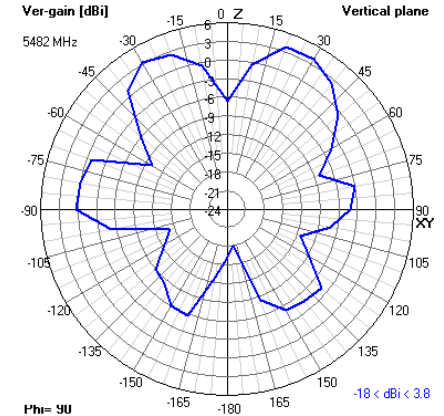
5482 MHz XY



XZ



YZ



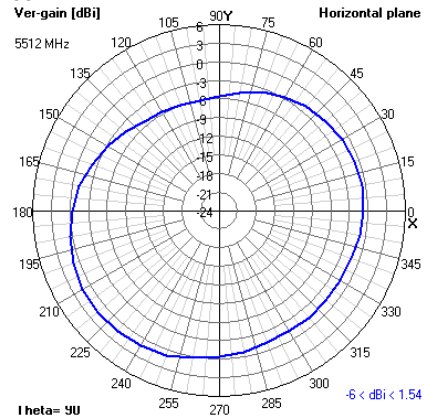


Oscar 70

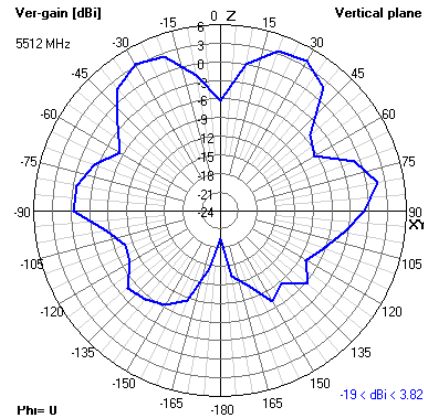
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

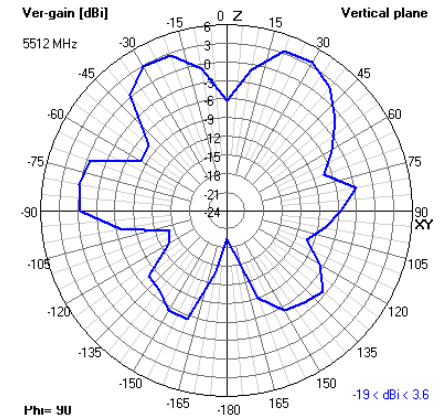
5512 MHz XY



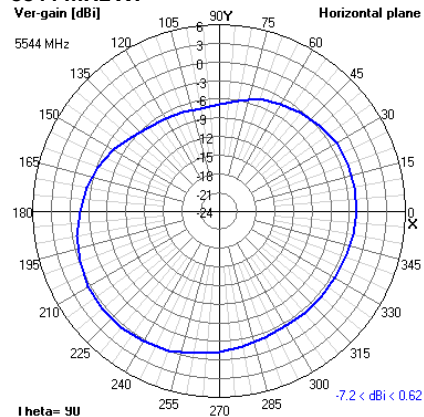
XZ



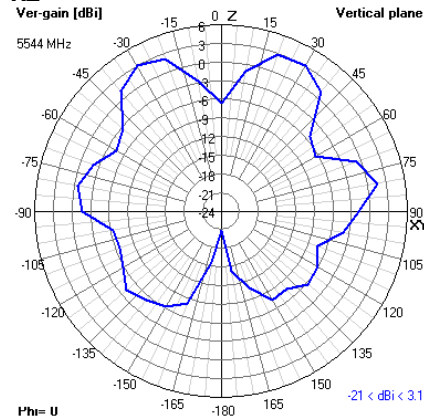
YZ



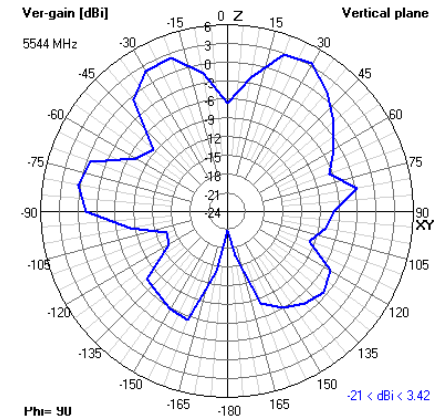
5544 MHz XY



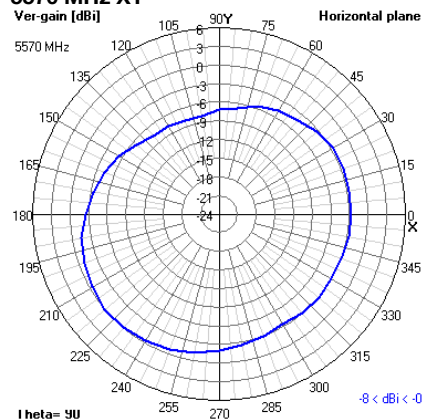
XZ



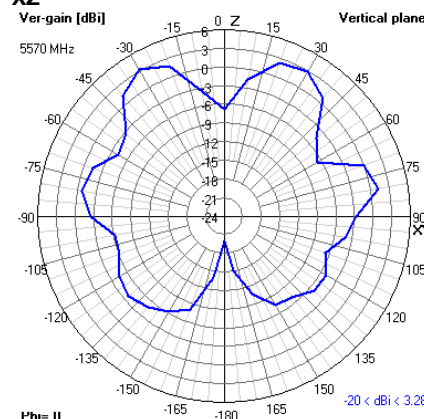
YZ



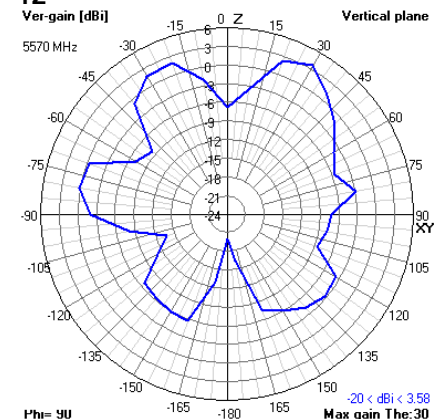
5570 MHz XY



XZ



YZ



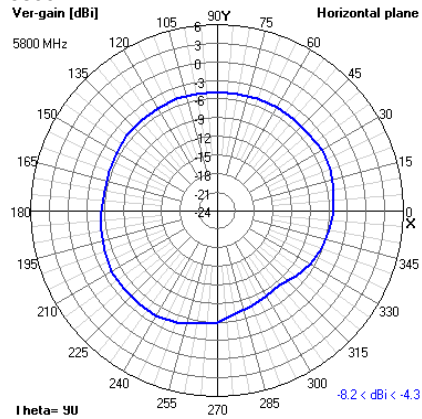


Oscar 70

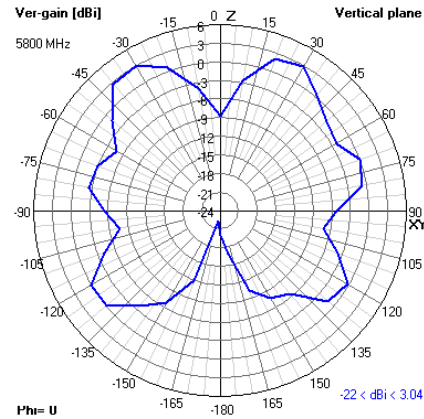
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

2D Radiation Plots

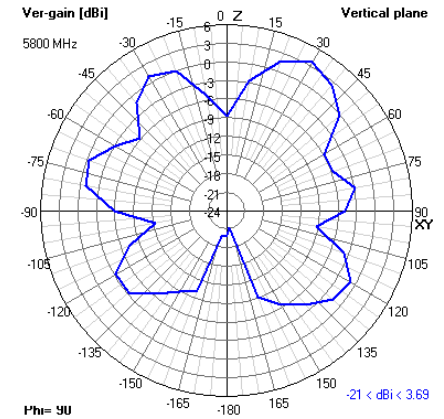
5800 MHz XY



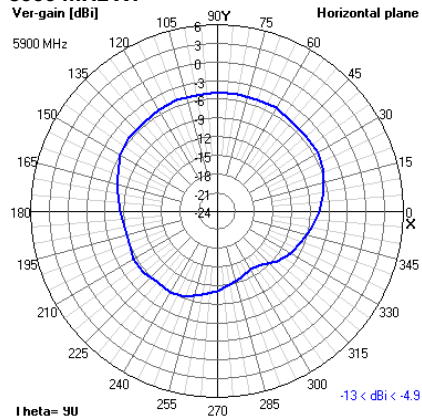
XZ



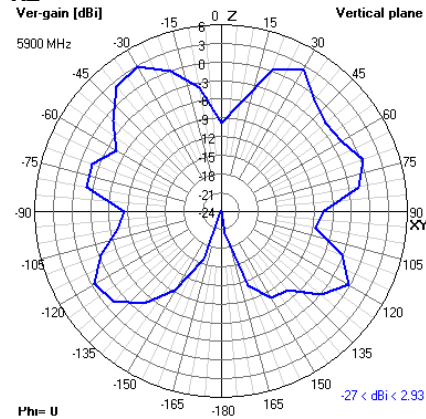
YZ



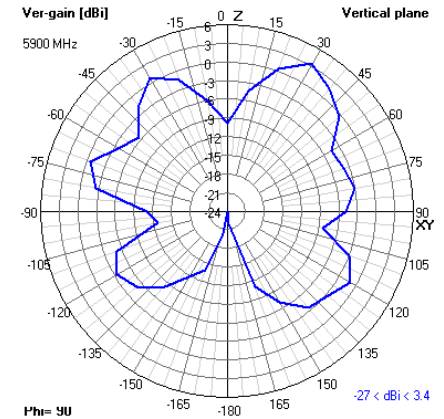
5900 MHz XY



XZ



YZ

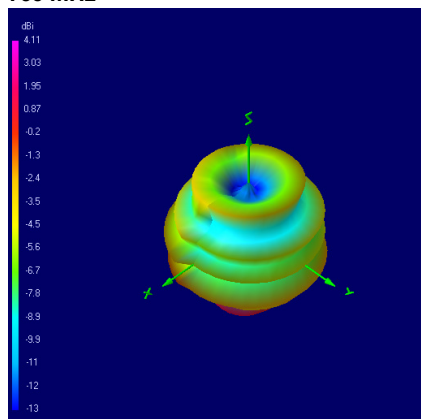


Oscar 70

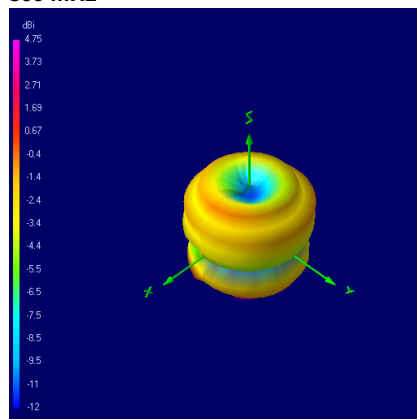
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

3D Radiation Plots

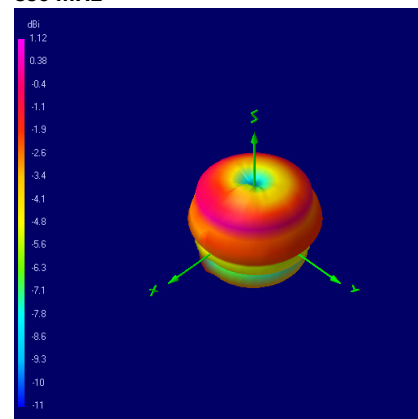
700 MHz



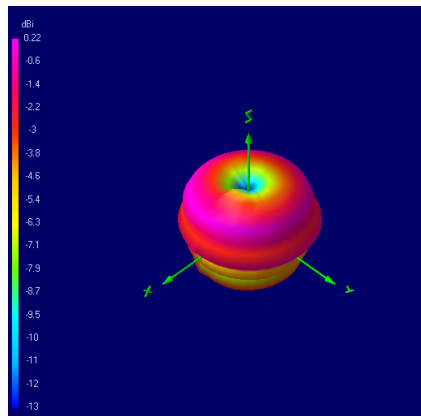
800 MHz



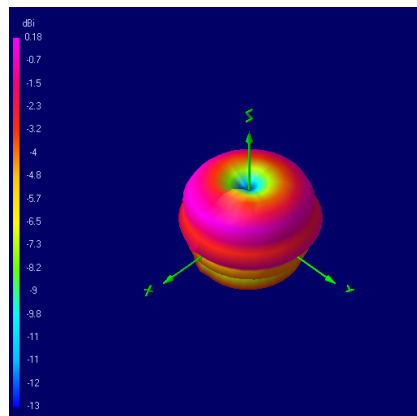
850 MHz



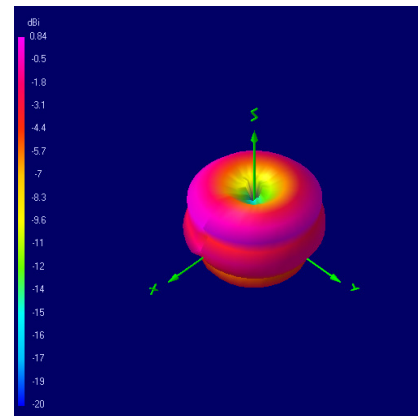
866 MHz



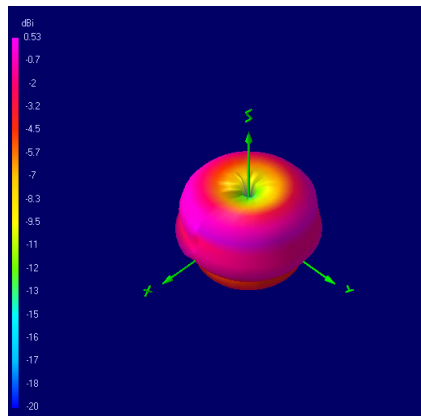
868 MHz



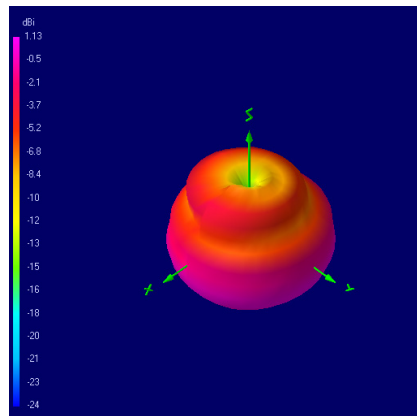
900 MHz



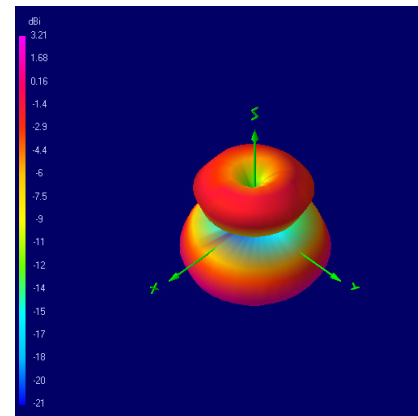
915 MHz



1500 MHz



1600 MHz



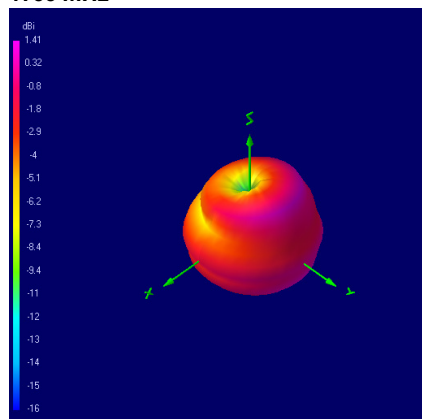


Oscar 70

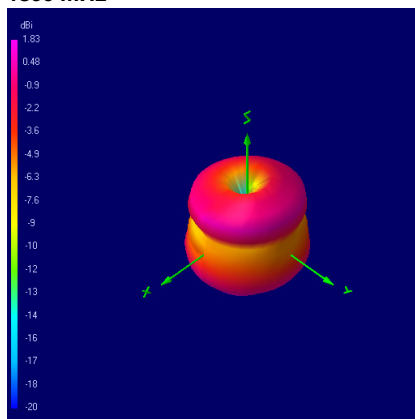
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

3D Radiation Plots

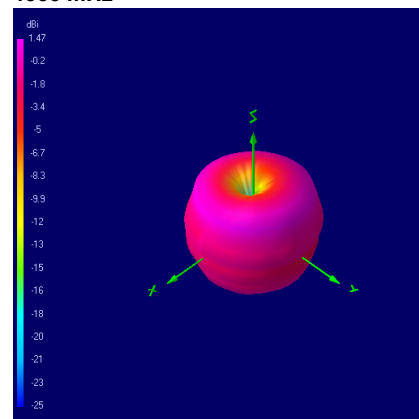
1700 MHz



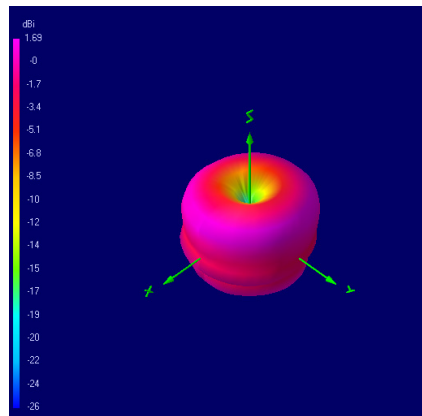
1800 MHz



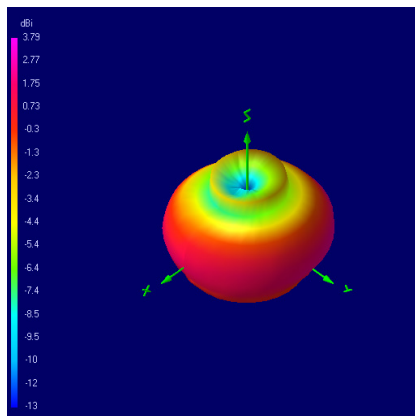
1900 MHz



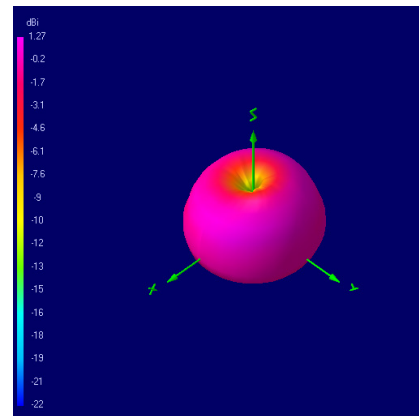
2000 MHz



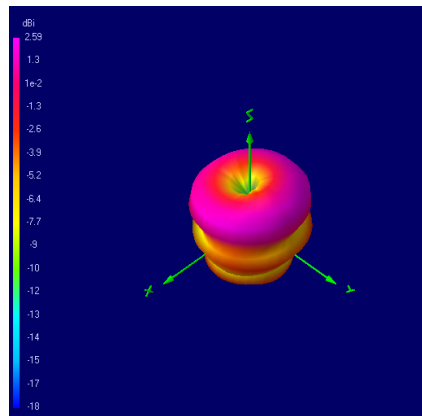
2100 MHz



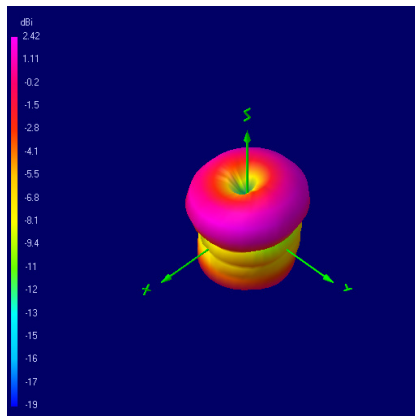
2300 MHz



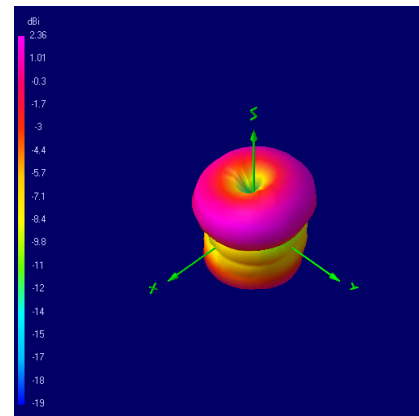
2400 MHz



2437 MHz



2442 MHz



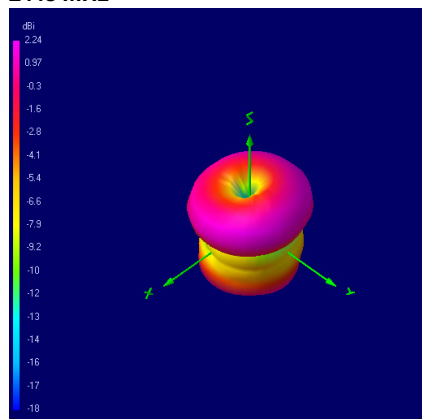


Oscar 70

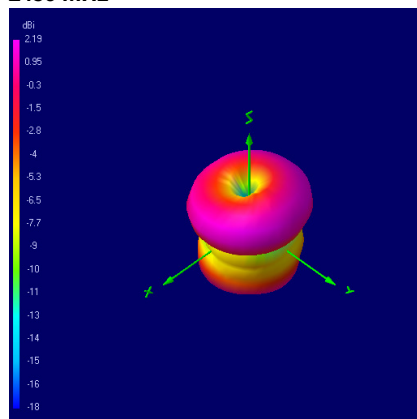
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

3D Radiation Plots

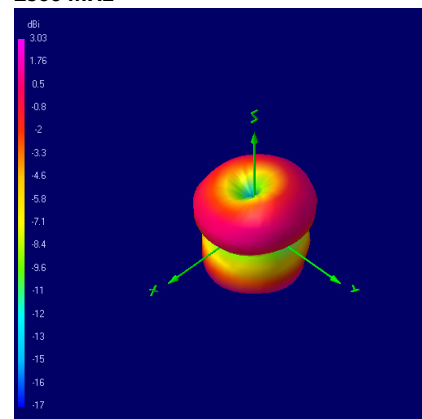
2448 MHz



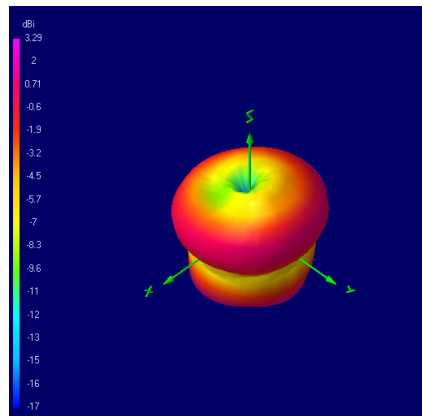
2450 MHz



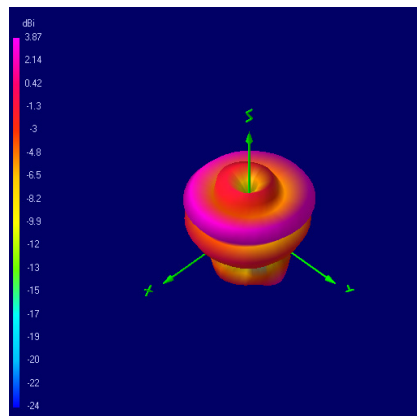
2500 MHz



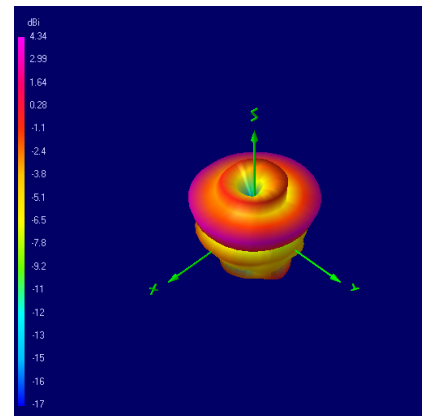
2600 MHz



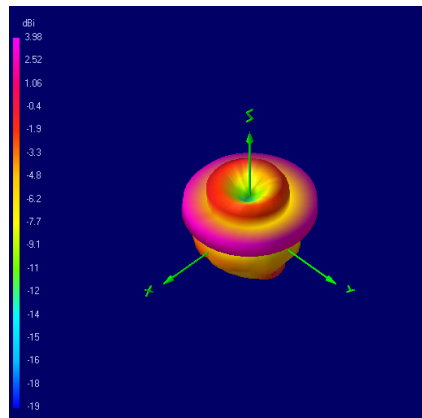
3300 MHz



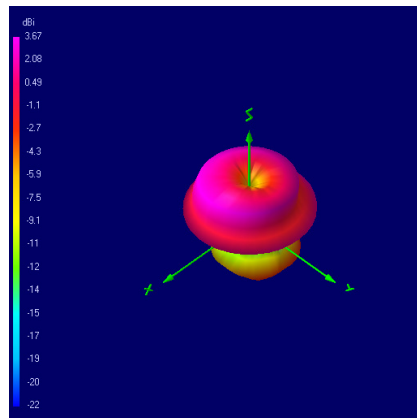
3432 MHz



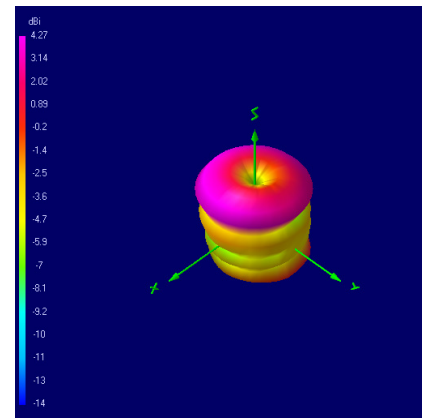
3500 MHz



3700 MHz



3960 MHz



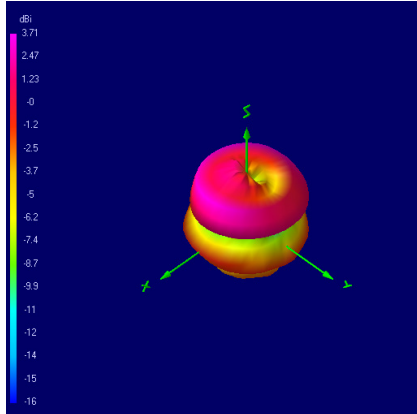


Oscar 70

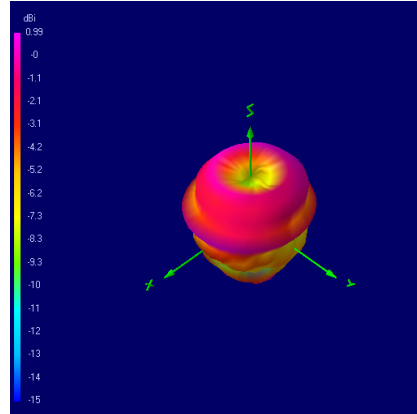
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

3D Radiation Plots

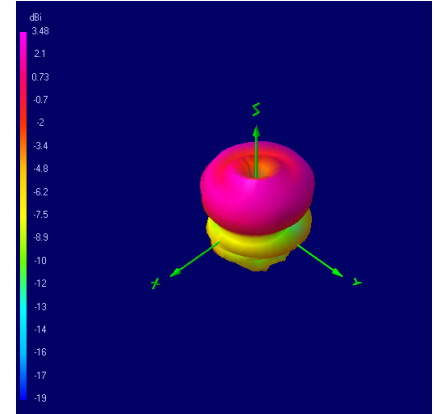
4488 MHz



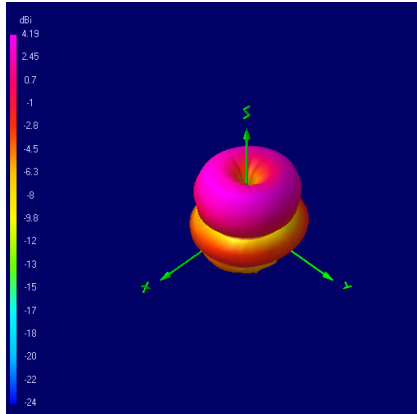
4900 MHz



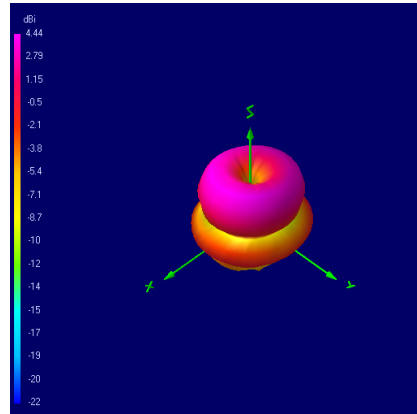
5016 MHz



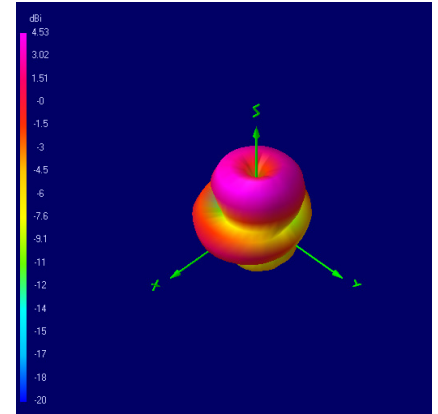
5200 MHz



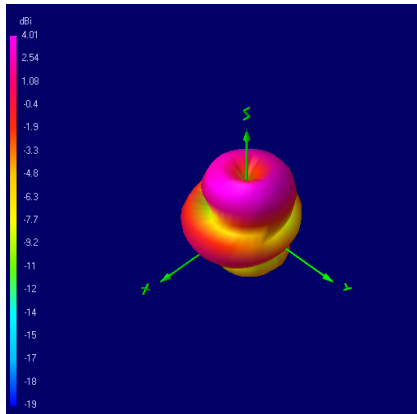
5240 MHz



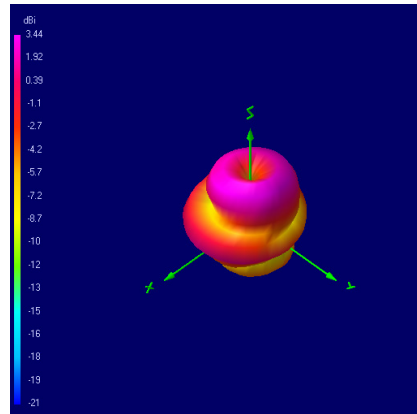
5482 MHz



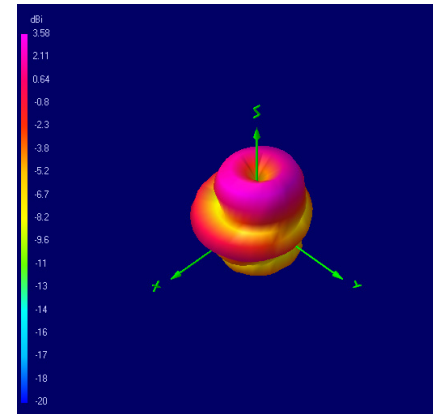
5512 MHz



5544 MHz



5570 MHz

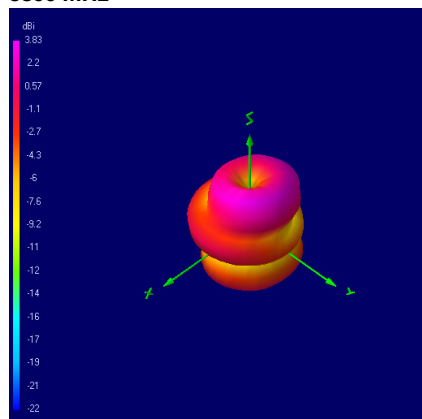


Oscar 70

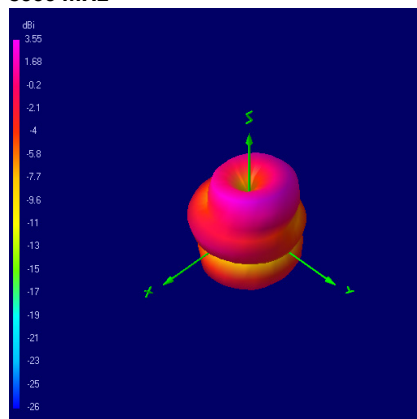
IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna

3D Radiation Plots

5800 MHz



5900 MHz



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

Ordering Details:

Part Number	Description
OSCAR70/NTYPE-M/S/32	IP68 N-Type Male Wideband 5G/4G and Wi-Fi Fiberglass Antenna