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Mike 20

IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

General Description

The Mike 20 is a compact magnetic mount antenna designed for high-performance wireless applications across 600–960 MHz and 1700–4200 MHz. It supports strong 4G and 5G performance, with reliable operation on LTE Cat M and NB-IoT networks.

The antenna is also well suited for LoRa deployments in both 868 MHz (EU) and 915 MHz (US) bands, and provides excellent efficiency at 2.4 GHz for Bluetooth, Wi-Fi, and Zigbee connectivity.

The integrated magnetic base enables fast, secure installation on metal surfaces without the need for permanent fixings. Rated to IP68 and built to withstand a wide operating temperature range, the Mike 20 is suitable for both indoor and outdoor environments.

Supplied with an SMA Male connector as standard, with other cable and connector options available for volume orders.

Key Features

- Supports 5G NR / 4G LTE / LTE Cat M / NB-IoT
- Covers 600–960 MHz and 1700–4200 MHz
- LoRa 868 / 915 MHz, ISM 2.4G
- Wi-Fi 2.4G / Wi-Fi 5 / Bluetooth / Zigbee support
- OD 60 mm magnetic base for compact or temporary installations
- IP68 rated housing for outdoor environments

Additional Considerations

- Performance validated on metal ground plane for reliable field-matched results
- 106 mm low-profile design reduces visual impact on exposed equipment
- Strong magnetic base provides secure mounting on static metal surfaces

Typical Applications

- Industrial control and outdoor enclosures
- Remote monitoring in utilities and energy
- LoRa / NB-IoT asset tracking deployments
- Rapid-deployment wireless connectivity kits
- Uplink for temporary infrastructure and events

M Magnetic	IP 68	5G New Radio	4G LTE	3G UMTS	2G GSM
LTE M	LTE 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	CBRS	BLE Bluetooth
ZB Zigbee	Z Wave	LoRa Wireless	SF Sigfox	W Weightless	

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Electrical Specifications

Frequency range:	600 – 960 MHz, 1700-4200 MHz
Impedance:	50 Ω
Polarisation:	Vertical, Linear
Average gain:	2.74 dBi 600 – 960 MHz: 0.23 dBi 1700 – 4200 MHz: 2.96 dBi
Peak gain:	600 – 960 MHz: 1.39 dBi 1700 – 4200 MHz: 5.27 dBi
Average radiation efficiency:	53.6% 600 – 960 MHz: 68.3% 1700 – 4200 MHz: 51.8%
VSWR:	~2.5
Input power:	20 W
Directionality:	Omni-directional
Ground plane independent:	Yes

Environmental Specifications

IP rating:	IP68 (excluding connector)
Operating temperature range:	-30°C to +75°C
Storage temperature range:	-30°C to +75°C

Mechanical Specifications

Colour options:	Black
Ports:	1
Cable lengths:	1m, 2.5m, 5m or customised
Connector options:	SMA Male
Mounting method:	Magnetic Mount (2 kg pull force on 1.5 mm mild steel plate)
Dimensions:	106 mm (Length) x Ø 60 mm
Weight:	100 g (with 0.5 M cable)
Radome:	ABS Black

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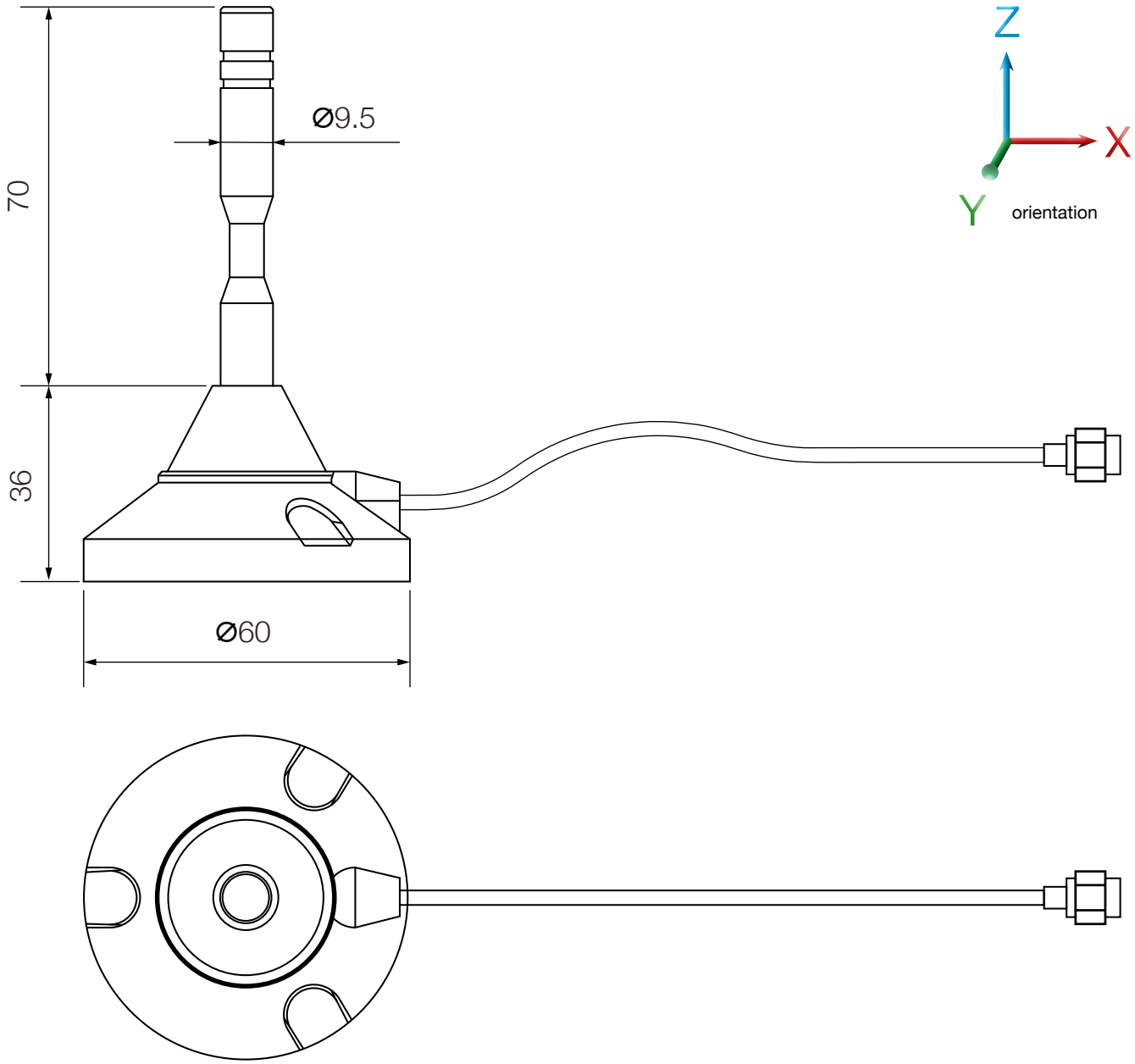
Dimensional Drawing

Unit: mm



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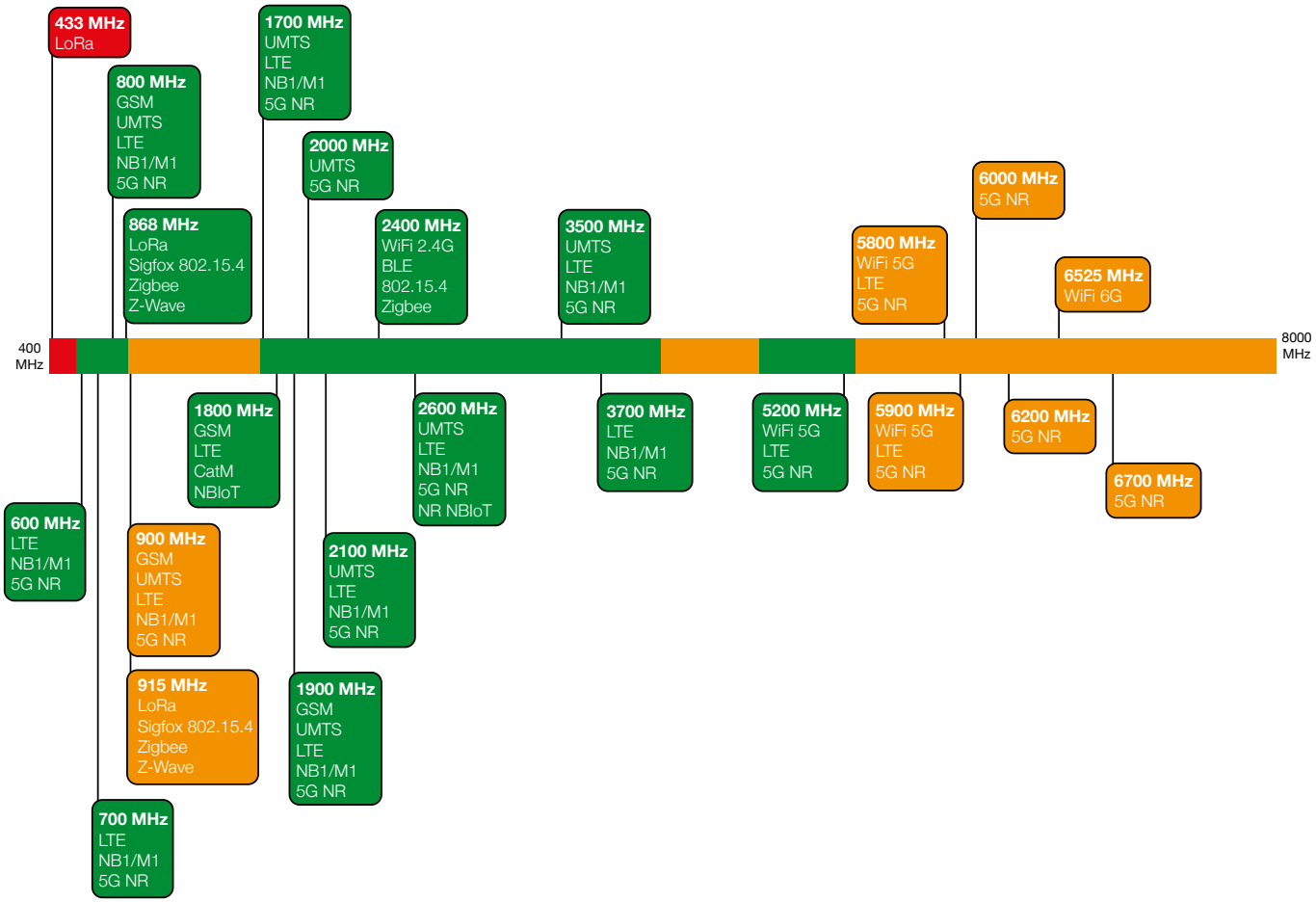
Spectrum Coverage



● Suitable band ● Adequate band in good signal conditions ● Likely to be unsuitable

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Usable Cellular Frequency Support (400 MHz – 2000 MHz)

	410	450	500	600	700	800	850	900	1500	1600	1700	1800	1900	2000
GSM (2G) Bands								●				●	●	
UMTS (3G) Bands					●	●	●	●			●	●	●	
E-UTRA (4G) Bands				●	●	●	●	●	●	●	●	●	●	●
E-UTRA (4G) Cat M1 & M2 Bands				●	●	●	●	●		●	●	●	●	
E-UTRA (4G) Cat NB1 & NB2 Bands				●	●	●	●	●		●	●	●	●	●
E-UTRA (4G) NTN Bands							●	●						
LTE based 5G Terrestrial Broadcast Bands				●			●	●						
NR (5G) FR1 Bands				●	●	●	●	●		●	●	●	●	●
NR (5G) FR2 Bands							●	●						
NR (5G) Cat NB1 & NB2 Bands				●	●	●	●	●		●		●	●	●
NR (5G) NTN FR1 Bands							●	●		●				
NR (5G) NTN FR2 Bands							●	●						

Usable Cellular Frequency Support (2100 MHz – 6700 MHz)

	2100	2300	2400	2500	2600	3300	3500	3700	4900	5200	5900	6000	6200	6700
GSM (2G) Bands														
UMTS (3G) Bands	●				●		●							
E-UTRA (4G) Bands	●	●	●	●	●	●	●	●						
E-UTRA (4G) Cat M1 & M2 Bands	●	●		●	●		●	●						
E-UTRA (4G) Cat NB1 & NB2 Bands	●			●	●		●	●						
E-UTRA (4G) NTN Bands	●		●											
LTE based 5G Terrestrial Broadcast Bands														
NR (5G) FR1 Bands	●	●	●	●	●		●	●						
NR (5G) FR2 Bands														
NR (5G) Cat NB1 & NB2 Bands	●			●	●									
NR (5G) NTN FR1 Bands	●													
NR (5G) NTN FR2 Bands														

Usable ISM Frequency Support (433 MHz - 6525 MHz)

	433	868	915	2450	3625	5800	6525
Bluetooth				●			
Helium		●	●				
IEEE 802.15.4		●	●	●			
ISM 433							
ISM 868		●					
ISM 915			●				
ISM 2.4G				●			
ISM 5.8G							
LoRa		●	●				
SigFox		●	●				
Weightless		●	●				
Citizens Band Radio Service					●		
Wi-Fi CBRS					●		
Wi-Fi 2.4G				●			
Wi-Fi 5G						●	
Wi-Fi 6E							
Zigbee		●	●	●			
Z-Wave		●	●				

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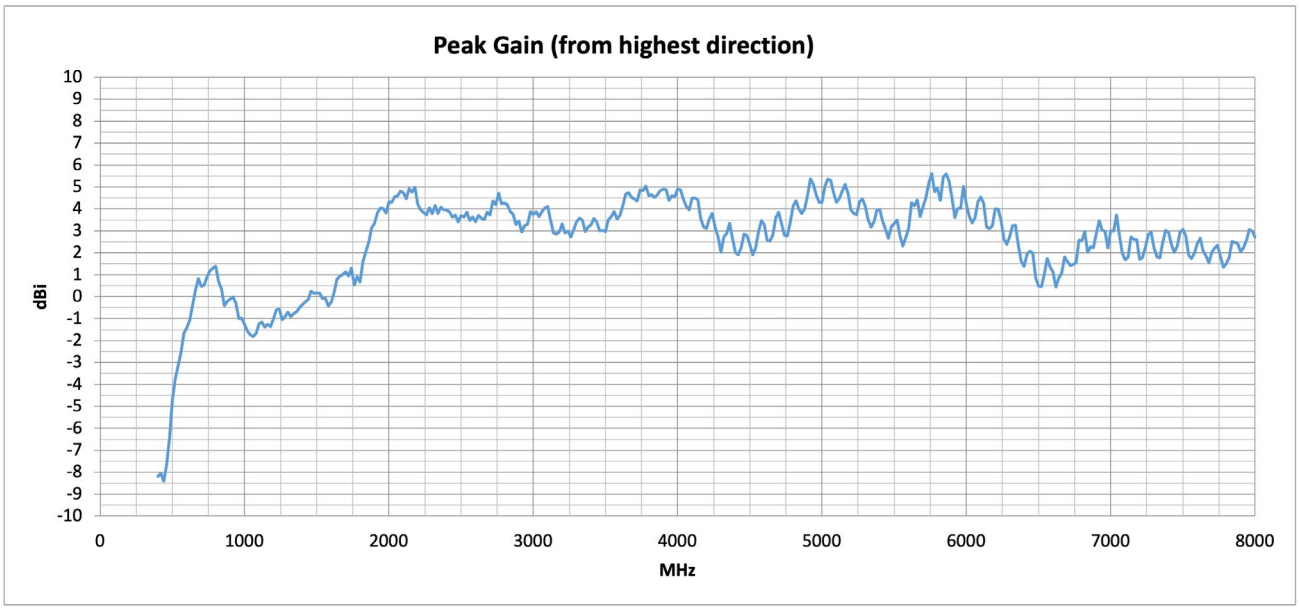
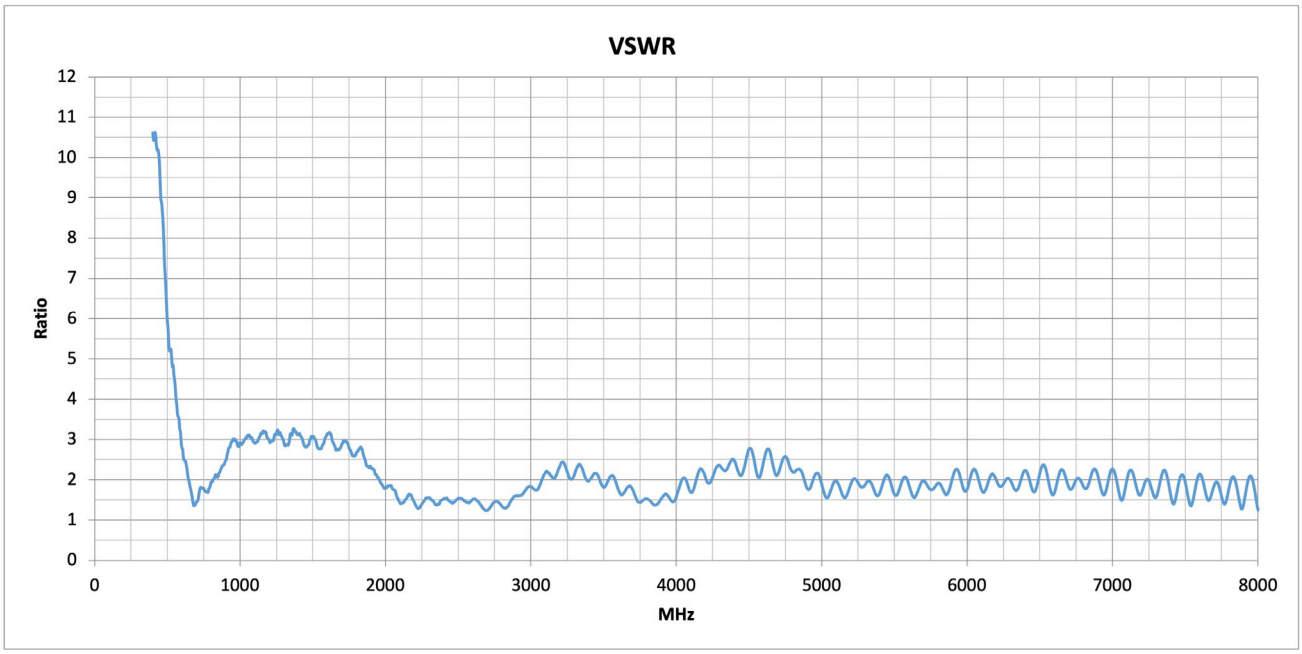
Peak Gain



VSWR



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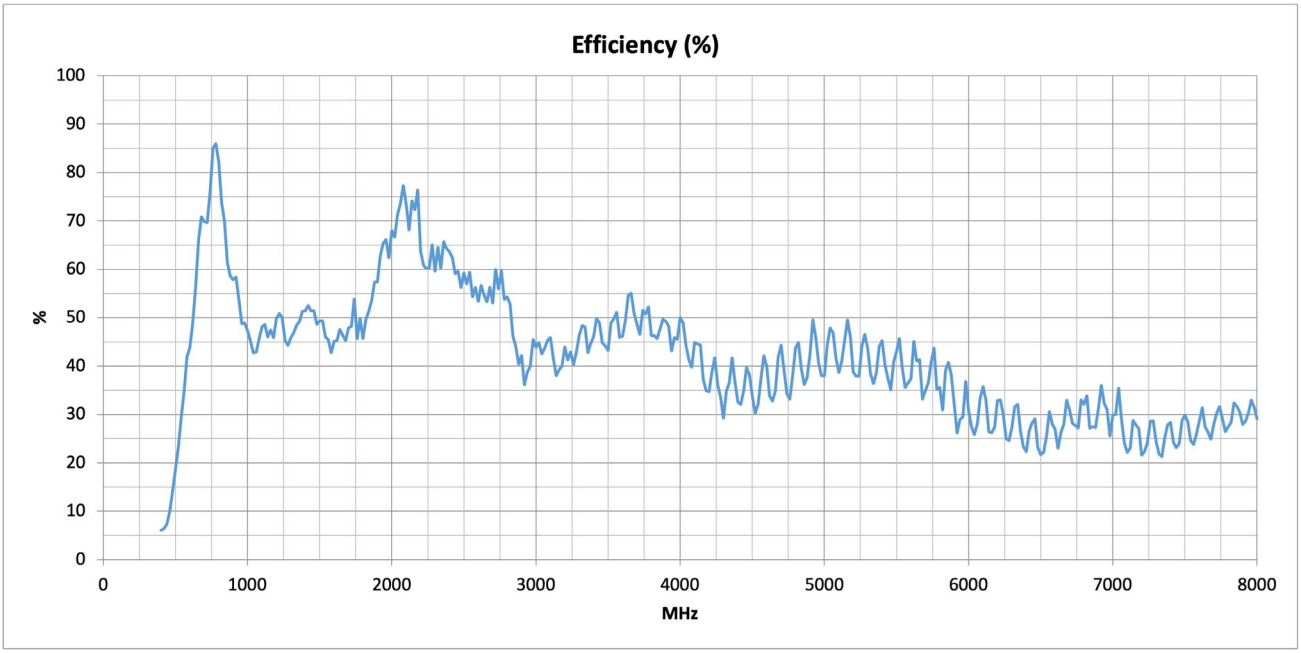
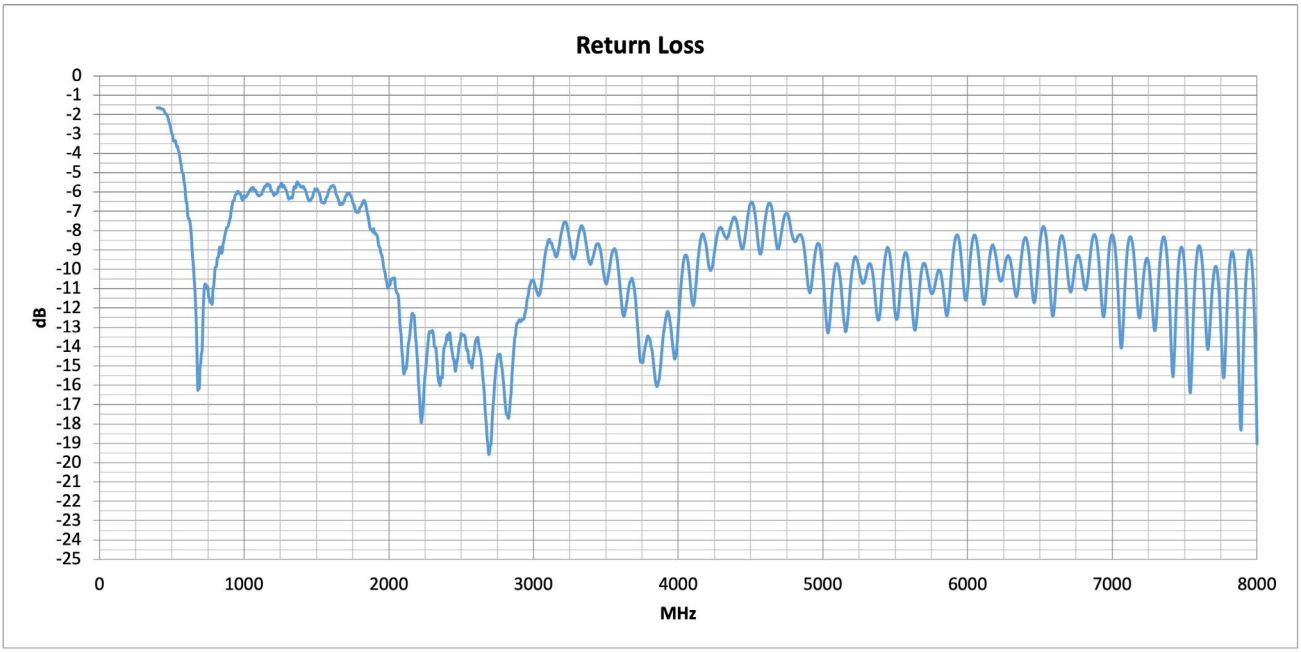
Radiation Efficiency



Return Loss



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Cellular Standards Band Support

GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	NR (5G) FR1 Bands	NR (5G) FR2 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
	1	1	n1		n1	1920 - 1980 MHz	2110 - 2170 MHz	64.63	71.88	2.26	1.64	●
PCS-1900	2	2	n2		n2	1850 - 1910 MHz	1930 - 1990 MHz	56.18	64.71	2.60	2.14	●
DCS-1800	3	3	n3		n3	1710 - 1785 MHz	1805 - 1880 MHz	49.30	51.80	2.98	2.82	●
	4	4				1710 - 1755 MHz	2110 - 2155 MHz	50.29	71.49	2.98	1.61	●
GSM-850	5	5	n5		n5	824 - 849 MHz	869 - 894 MHz	70.15	58.79	2.13	2.42	●
	6					830 - 840 MHz	875 - 885 MHz	70.82	58.74	2.13	2.37	●
	7	7	n7		n7	2500 - 2570 MHz	2620 - 2690 MHz	57.28	54.89	1.55	1.51	●
E-GSM-900	8	8	n8		n8	880 - 915 MHz	925 - 960 MHz	58.13	53.03	2.68	3.02	●
	9	9				1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	47.96	54.19	2.79	2.67	●
	10	10				1710 - 1770 MHz	2110 - 2170 MHz	49.40	71.88	2.98	1.64	●
	11	11				1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	51.60	48.91	3.01	3.08	●
	12	12	n12		n12	699 - 716 MHz	729 - 746 MHz	69.76	75.24	1.62	1.81	●
	13	13	n13			777 - 787 MHz	746 - 756 MHz	85.43	80.84	1.79	1.79	●
	14	14	n14		n14	788 - 798 MHz	758 - 768 MHz	83.51	84.98	1.91	1.73	●
		17				704 - 716 MHz	734 - 746 MHz	69.74	76.07	1.62	1.81	●
		18	n18		n18	815 - 830 MHz	860 - 875 MHz	73.48	60.34	2.13	2.32	●
	19	19				830 - 845 MHz	875 - 890 MHz	70.13	58.60	2.13	2.38	●
	20	20	n20		n20	832 - 862 MHz	791 - 821 MHz	66.65	79.37	2.21	2.03	●
	21	21				1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	51.36	49.30	2.84	3.08	●
	22	22				3410 - 3490 MHz	3510 - 3590 MHz	46.77	48.74	2.16	2.11	●
		23				2000 - 2020 MHz	2180 - 2200 MHz	67.30	69.99	1.85	1.58	●
		24	n24		n24	1626.5 - 1660.5 MHz	1525 - 1559 MHz	46.86	46.40	3.11	2.92	●
	25	25	n25		n25	1850 - 1915 MHz	1930 - 1995 MHz	56.53	64.79	2.60	2.14	●
	26	26	n26		n26	814 - 849 MHz	859 - 894 MHz	71.36	59.38	2.13	2.42	●
		27				807 - 824 MHz	852 - 869 MHz	75.80	61.85	2.05	2.28	●

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GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	NR (5G) FR1 Bands	NR (5G) FR2 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		28	n28		n28	703 - 748 MHz	758 - 803 MHz	72.49	84.51	1.81	1.94	●
		28A				703 - 733 MHz	758 - 788 MHz	70.58	85.28	1.81	1.79	●
		29	n29			-	717 - 728 MHz	-	70.57	-	1.80	●
		30	n30			2305 - 2315 MHz	2350 - 2360 MHz	62.05	64.29	1.55	1.40	●
		31	n31		n31	452.5 - 457.5 MHz	462.5 - 467.5 MHz	9.24	10.93	9.20	8.79	●
	32	32				-	1452 - 1496 MHz	-	49.87	-	3.08	●
		33				1900 - 1920 MHz	1900 - 1920 MHz	60.04	60.04	2.30	2.30	●
		34	n34			2010 - 2025 MHz	2010 - 2025 MHz	67.08	67.08	1.85	1.85	●
		35				1850 - 1910 MHz	1850 - 1910 MHz	56.18	56.18	2.60	2.60	●
		36				1930 - 1990 MHz	1930 - 1990 MHz	64.71	64.71	2.14	2.14	●
		37				1910 - 1930 MHz	1910 - 1930 MHz	62.34	62.34	2.29	2.29	●
		38	n38			2570 - 2620 MHz	2570 - 2620 MHz	55.06	55.06	1.53	1.53	●
		39	n39			1880 - 1920 MHz	1880 - 1920 MHz	58.69	58.69	2.35	2.35	●
		40	n40			2300 - 2400 MHz	2300 - 2400 MHz	63.25	63.25	1.56	1.56	●
		41	n41		n41	2496 - 2690 MHz	2496 - 2690 MHz	55.88	55.88	1.55	1.55	●
		42				3400 - 3600 MHz	3400 - 3600 MHz	47.27	47.27	2.16	2.16	●
		43				3600 - 3800 MHz	3600 - 3800 MHz	50.57	50.57	1.86	1.86	●
		44				703 - 803 MHz	703 - 803 MHz	78.82	78.82	1.94	1.94	●
		45				1447 - 1467 MHz	1447 - 1467 MHz	51.23	51.23	2.86	2.86	●
		46	n46			5150 - 5925 MHz	5150 - 5925 MHz	39.37	39.37	2.27	2.27	●
		47	n47			5855 - 5925 MHz	5855 - 5925 MHz	34.43	34.43	2.27	2.27	●
		48	n48			3550 - 3700 MHz	3550 - 3700 MHz	50.30	50.30	2.11	2.11	●
		49				3550 - 3700 MHz	3550 - 3700 MHz	50.30	50.30	2.11	2.11	●
		50	n50			1432 - 1517 MHz	1432 - 1517 MHz	50.11	50.11	3.08	3.08	●
		51	n51			1427 - 1432 MHz	1427 - 1432 MHz	51.97	51.97	3.02	3.02	●

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GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	NR (5G) FR1 Bands	NR (5G) FR2 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		52				3300 - 3400 MHz	3300 - 3400 MHz	46.02	46.02	2.39	2.39	●
		53	n53			2483.5 - 2495 MHz	2483.5 - 2495 MHz	57.61	57.61	1.52	1.52	●
		54	n54		n54	1670 - 1675 MHz	1670 - 1675 MHz	45.69	45.69	2.76	2.76	●
		65	n65		n65	1920 - 2010 MHz	2110 - 2200 MHz	65.08	71.83	2.26	1.64	●
		66	n66		n66	1710 - 1780 MHz	2110 - 2200 MHz	49.31	71.83	2.98	1.64	●
		67	n67			-	738 - 758 MHz	-	79.50	-	1.81	●
		68				698 - 728 MHz	753 - 783 MHz	70.06	84.94	1.80	1.76	●
		69				-	2570 - 2620 MHz	-	55.06	-	1.53	●
		70	n70		n70	1695 - 1710 MHz	1995 - 2020 MHz	47.81	67.29	2.96	1.85	●
		71	n71		n71	663 - 698 MHz	617 - 652 MHz	69.56	54.57	1.72	2.49	●
		72	n72		n72	451 - 456 MHz	461 - 466 MHz	9.05	10.62	9.34	8.85	●
		73				450 - 455 MHz	460 - 465 MHz	8.92	10.41	9.43	8.89	●
		74	n74		n74	1427 - 1470 MHz	1475 - 1518 MHz	51.35	49.12	3.02	3.08	●
		75	n75			-	1432 - 1517 MHz	-	50.11	-	3.08	●
		76	n76			-	1427 - 1432 MHz	-	51.97	-	3.02	●
			n77			3300 - 4200 MHz	3300 - 4200 MHz	46.67	46.67	2.39	2.39	●
			n78			3300 - 3800 MHz	3300 - 3800 MHz	48.34	48.34	2.39	2.39	●
			n79			4400 - 5000 MHz	4400 - 5000 MHz	38.21	38.21	2.79	2.79	●
			n80			1710 - 1785 MHz	-	49.30	-	2.98	-	●
			n81			880 - 915 MHz	-	58.13	-	2.68	-	●
			n82			832 - 862 MHz	-	66.65	-	2.21	-	●
			n83			703 - 748 MHz	-	72.49	-	1.81	-	●
			n84			1920 - 1980 MHz	-	64.63	-	2.26	-	●
		85	n85			698 - 716 MHz	728 - 746 MHz	69.77	75.07	1.62	1.81	●
			n86			1710 - 1780 MHz	-	49.31	-	2.98	-	●

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GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	NR (5G) FR1 Bands	NR (5G) FR2 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		87				410 - 415 MHz	420 - 425 MHz	6.27	6.50	10.62	10.53	🔴
		88				412 - 417 MHz	422 - 427 MHz	6.30	6.59	10.62	10.43	🔴
			n89			824 - 849 MHz	-	70.15	-	2.13	-	🟢
			n90		n90	2496 - 2690 MHz	2496 - 2690 MHz	55.88	55.88	1.55	1.55	🟢
			n91			832 - 862 MHz	1427 - 1432 MHz	66.65	51.97	2.21	3.02	🟠
			n92			832 - 862 MHz	1432 - 1517 MHz	66.65	50.11	2.21	3.08	🟠
			n93			880 - 915 MHz	1427 - 1432 MHz	58.13	51.97	2.68	3.02	🟠
			n94			880 - 915 MHz	1432 - 1517 MHz	58.13	50.11	2.68	3.08	🟠
			n95			2010 - 2025 MHz	-	67.08	-	1.85	-	🟢
			n96			5925 - 7125 MHz	5925 - 7125 MHz	28.59	28.59	2.38	2.38	🟠
			n97			2300 - 2400 MHz	-	63.25	-	1.56	-	🟢
			n98			1880 - 1920 MHz	-	58.69	-	2.35	-	🟢
			n99			1626.5 - 1660.5 MHz	-	46.86	-	3.11	-	🟠
			n100			874.4 - 880 MHz	919.4 - 925 MHz	59.00	57.82	2.36	2.81	🟢
			n101			1900 - 1910 MHz	1900 - 1910 MHz	58.72	58.72	2.30	2.30	🟢
			n102			5925 - 6425 MHz	5925 - 6425 MHz	28.97	28.97	2.27	2.27	🟠
		103				787 - 788 MHz	757 - 758 MHz	84.52	83.79	1.79	1.73	🟢
			n104			6425 - 7125 MHz	6425 - 7125 MHz	28.31	28.31	2.38	2.38	🟠
			n105			663 - 703 MHz	612 - 652 MHz	69.59	53.70	1.72	2.53	🟢
		106	n106			896 - 901 MHz	935 - 940 MHz	57.88	54.28	2.48	2.94	🟢
						-	612 - 652 MHz	-	53.70	-	2.53	🟢
						-	470 - 698 MHz	-	41.69	-	8.42	🔴
			n109			703 - 733 MHz	1432 - 1517 MHz	70.58	50.11	1.81	3.08	🟠
			n110			1390 - 1395 MHz	1432 - 1435 MHz	51.36	51.75	3.14	2.96	🟠
						1616 - 1626.5 MHz	1616 - 1626.5 MHz	45.51	45.51	3.17	3.17	🟠

🟢 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	NR (5G) FR1 Bands	NR (5G) FR2 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
						2000 - 2020 MHz	2180 - 2200 MHz	67.30	69.99	1.85	1.58	●
						1668 - 1675 MHz	1518 - 1525 MHz	45.74	49.02	2.76	2.99	●
						1610 - 1625.5 MHz	2483.5 - 2500 MHz	45.37	57.98	3.18	1.55	●
						1626.5 - 1660.5 MHz	1525 - 1559 MHz	46.86	46.40	3.11	2.92	●
						1980 - 2010 MHz	2170 - 2200 MHz	65.97	71.75	1.85	1.63	●

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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	7.03	10.20	-8.28	🔴
ISM 868 MHz	863 - 870 MHz	60.48	2.29	-0.31	🟢
ISM 915 MHz	902 - 928 MHz	57.89	2.81	-0.01	🟢
ISM 2.4 GHz	2400 - 2500 MHz	59.73	1.55	3.95	🟢
WiFi 2.4G channels 1-11	2401 - 2473 MHz	60.52	1.55	3.94	🟢
WiFi 2.4G channels 1-13	2401 - 2483 MHz	60.06	1.55	3.94	🟢
WiFi 2.4G channels 1-14	2401 - 2495 MHz	59.74	1.55	3.94	🟢
Citizens Broadband Radio Service	3550 - 3700 MHz	50.30	2.11	4.75	🟢
WiFi CBRS channels 131-138	3655 - 3695 MHz	52.13	1.86	4.75	🟢
WiFi 5G (Ch 32-48)	5150 - 5250 MHz	42.08	2.03	5.13	🟢
WiFi 5G (Ch 32-68)	5150 - 5350 MHz	41.89	2.03	5.13	🟢
WiFi 5G (Ch 32-165)	5150 - 5835 MHz	39.88	2.13	5.61	🟠
WiFi 5G (Ch 32-173)	5150 - 5875 MHz	39.87	2.13	5.61	🟠
WiFi 5G (Ch 32-177)	5150 - 5895 MHz	39.78	2.13	5.61	🟠
WiFi 5.9G (Ch 172-180)	5855 - 5905 MHz	37.02	2.13	5.60	🟠
WiFi 5.9G (Ch 182-196)	5905 - 5990 MHz	30.32	2.27	5.03	🟠
WiFi 6E (Ch 1-93)	5925 - 6425 MHz	28.97	2.27	5.03	🟠
WiFi 6E (Ch 1-233)	5925 - 7125 MHz	28.59	2.38	5.03	🟠
ISM 5.8 GHz	5725 - 5875 MHz	37.91	1.92	5.61	🟠
UWB band group 1, BAND_ID 1	3168 - 3696 MHz	46.54	2.44	4.75	🟢
UWB band group 1, BAND_ID 2	3696 - 4224 MHz	45.25	2.28	5.04	🟢
UWB band group 1, BAND_ID 3	4224 - 4752 MHz	36.33	2.79	3.85	🟠
UWB band group 2, BAND_ID 4	4752 - 5280 MHz	41.96	2.58	5.38	🟢
UWB band group 2, BAND_ID 5	5280 - 5808 MHz	39.54	2.13	5.61	🟠
UWB band group 2, BAND_ID 6	5808 - 6336 MHz	30.85	2.27	5.60	🟠
UWB band group 3, BAND_ID 7	6336 - 6864 MHz	27.49	2.38	3.26	🟠
UWB band group 3, BAND_ID 8	6864 - 7392 MHz	27.19	2.27	3.72	🟠
UWB band group 3, BAND_ID 9	7392 - 7920 MHz	27.84	2.14	3.08	🟠
UWB band group 6, BAND_ID 9	7392 - 7920 MHz	27.84	2.14	3.08	🟠

🟢 Suitable band 🟠 Adequate band in good signal conditions 🔴 Likely to be unsuitable

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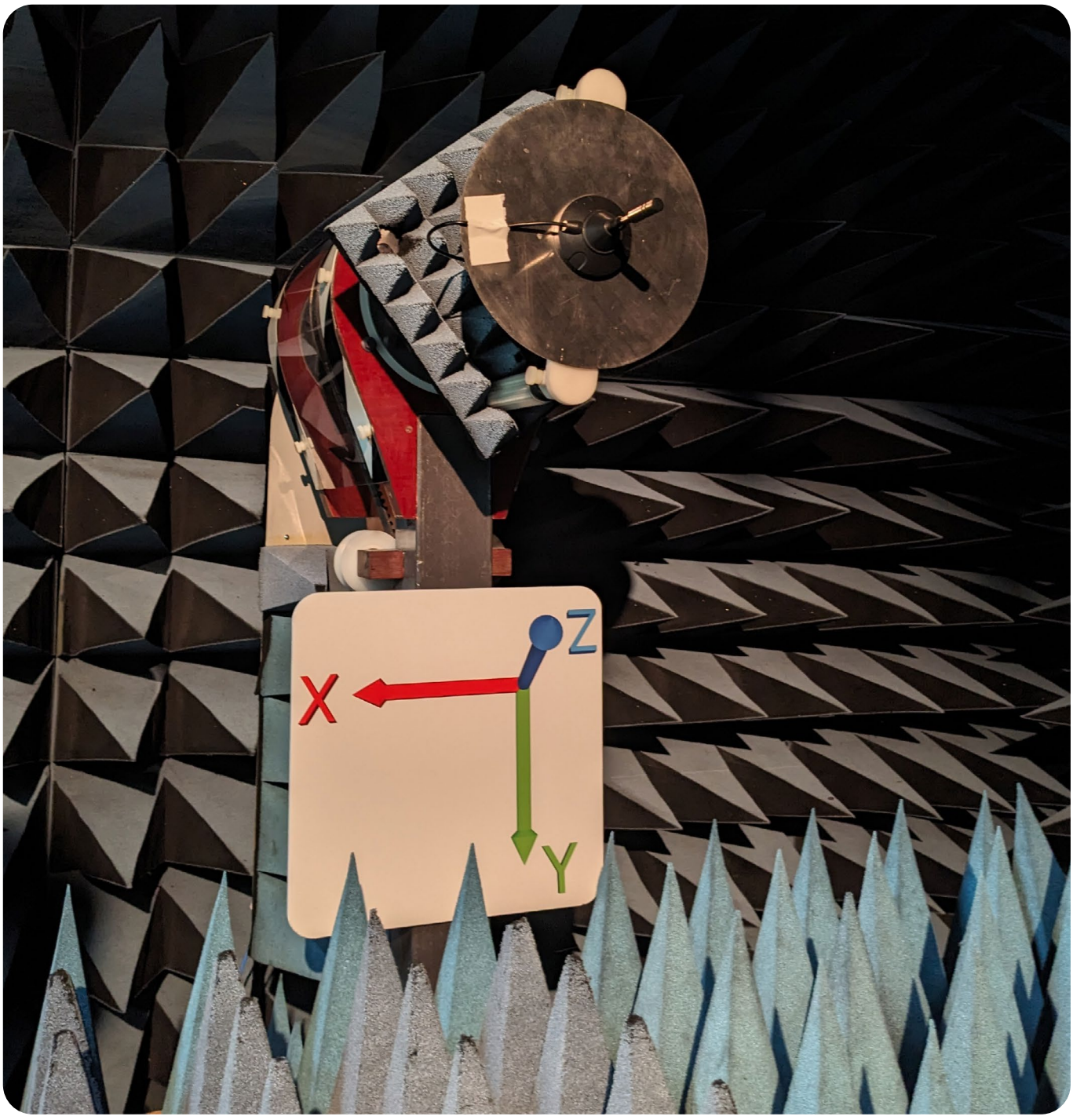
Test Setup (in ∅200 mm Ground Plane)



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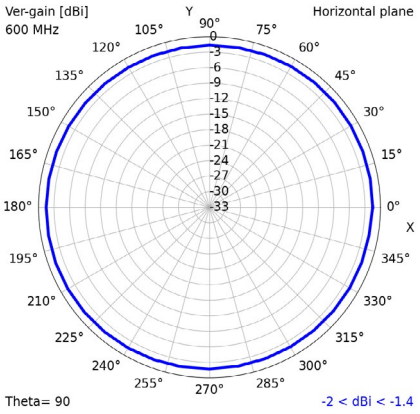
2D Radiation Plots

600 MHz XY



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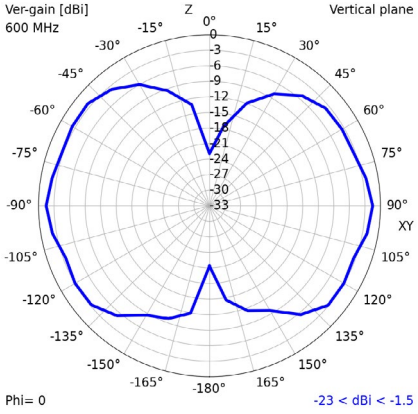

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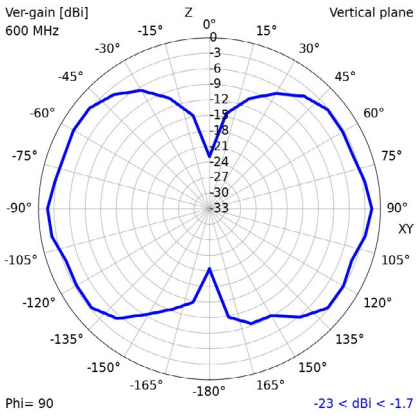
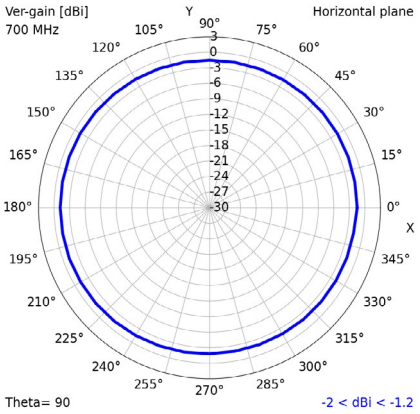


700 MHz XY



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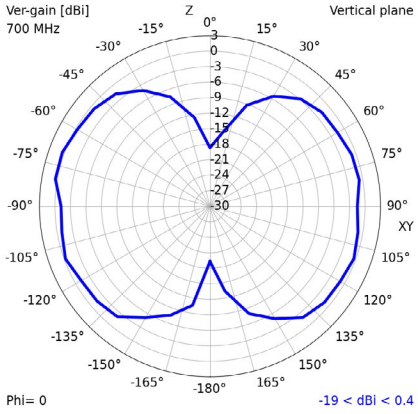

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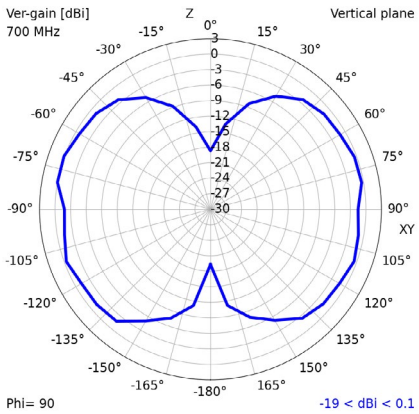
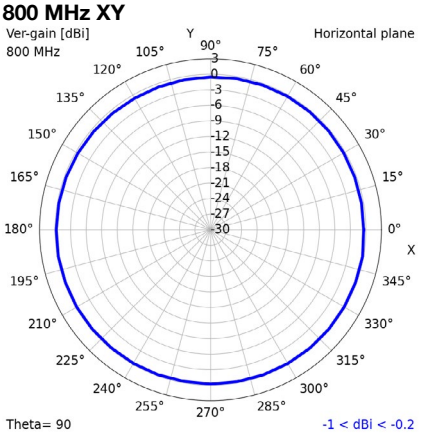


800 MHz XY



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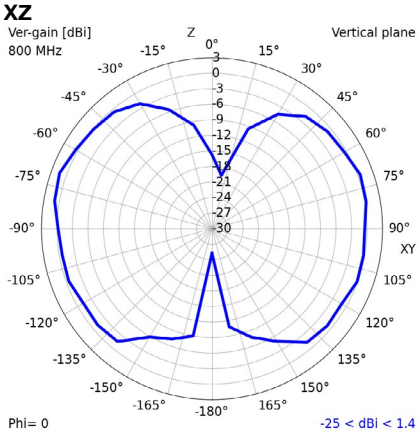

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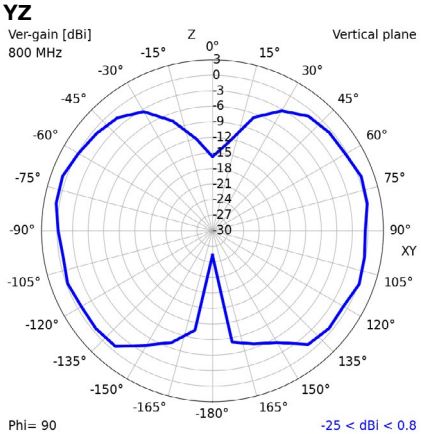

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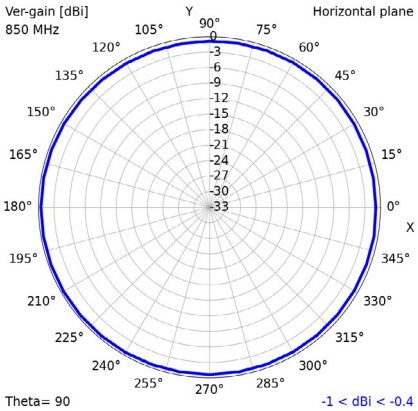
2D Radiation Plots

850 MHz XY



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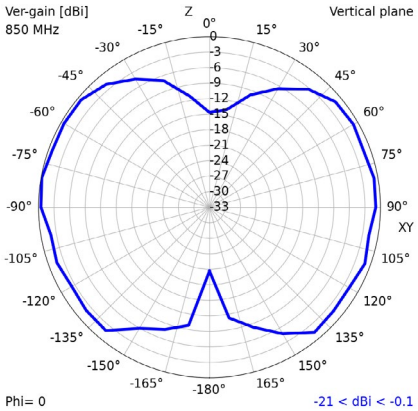

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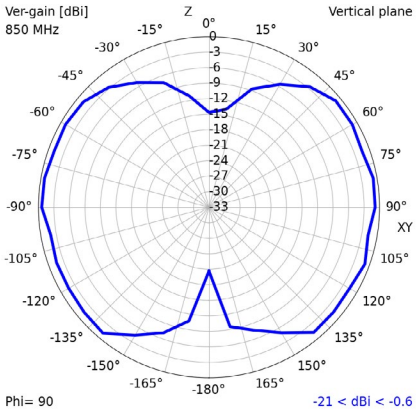
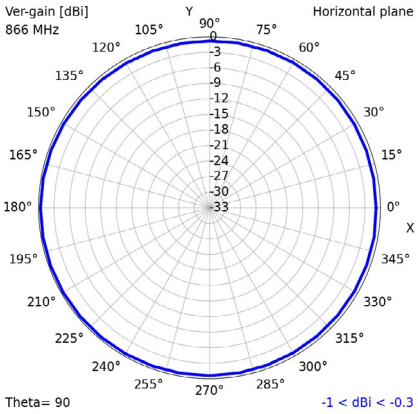


866 MHz XY



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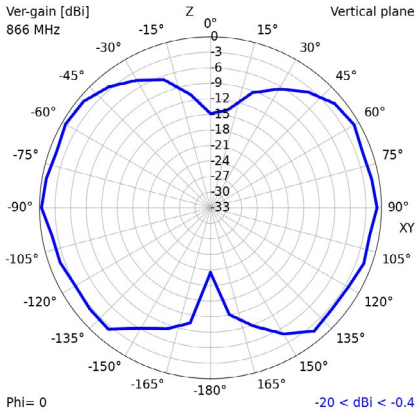

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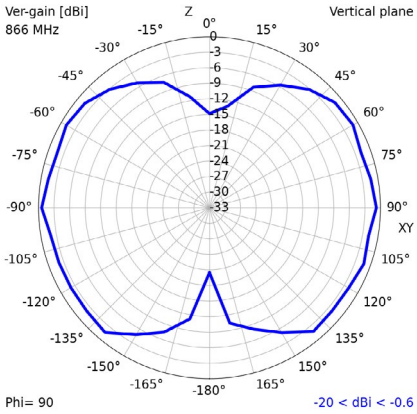
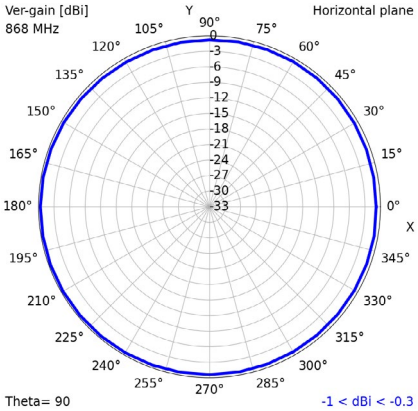


868 MHz XY



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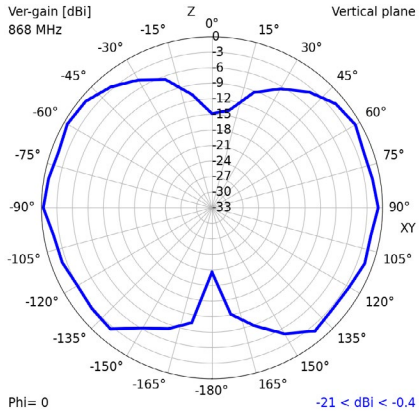

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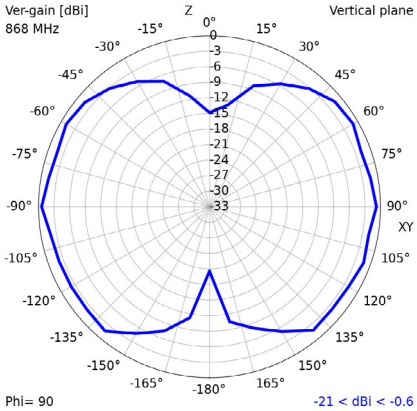

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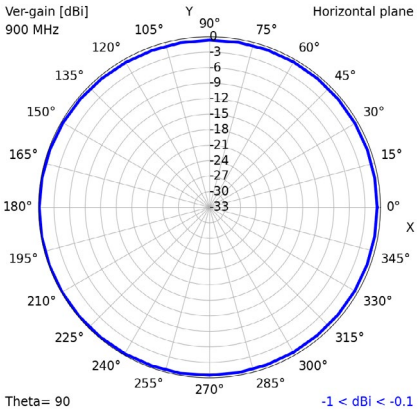
2D Radiation Plots

900 MHz XY



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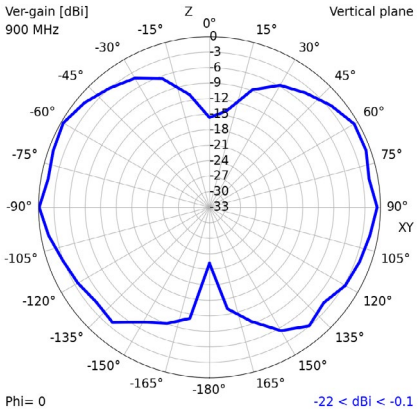

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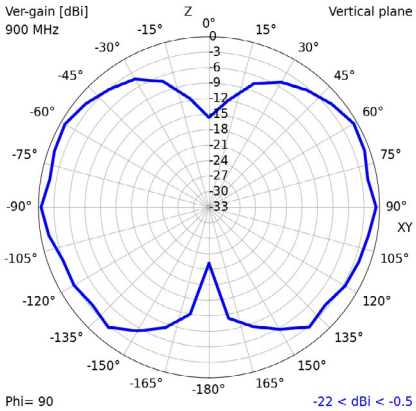
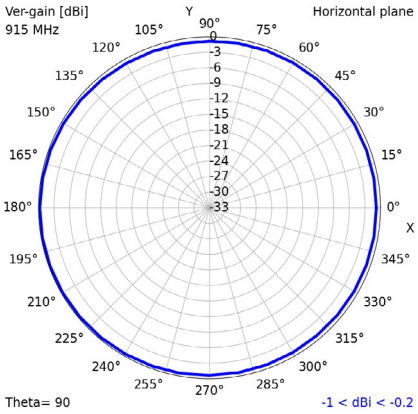


915 MHz XY



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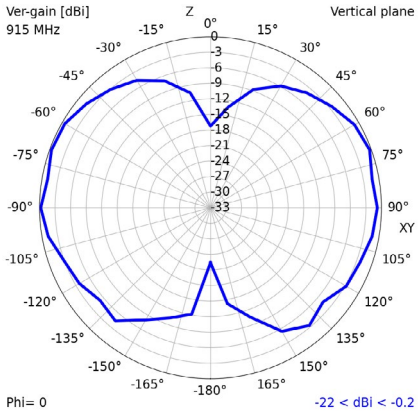

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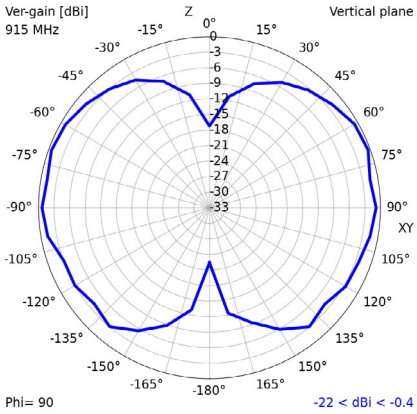
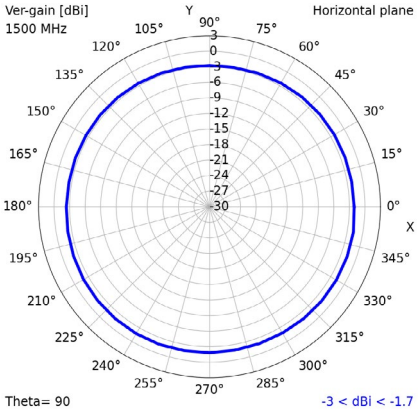


1500 MHz XY



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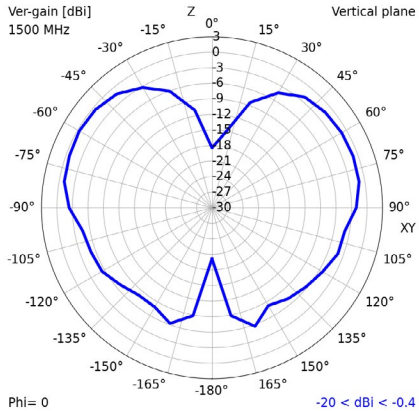

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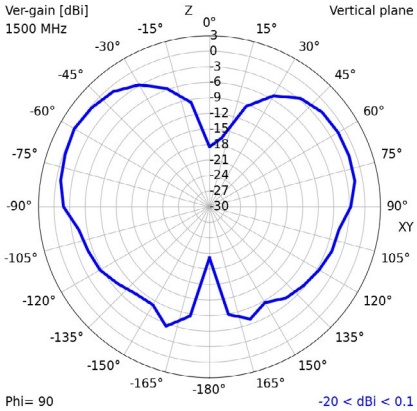

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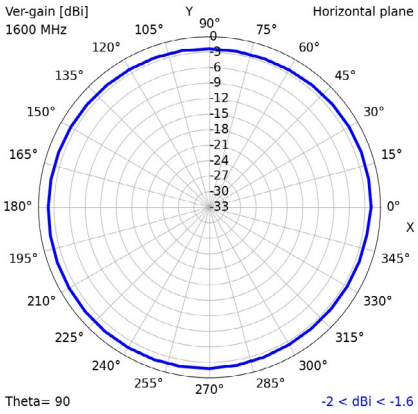
2D Radiation Plots

1600 MHz XY



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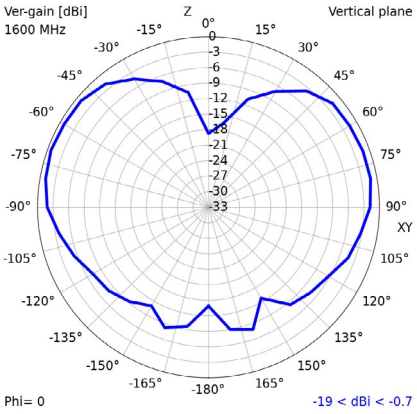

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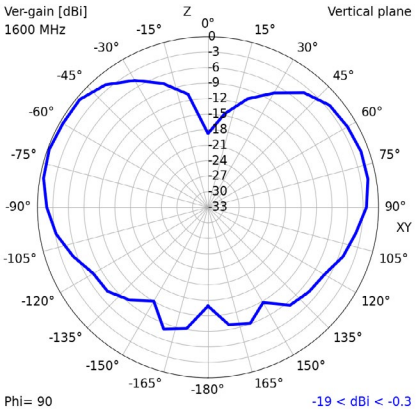
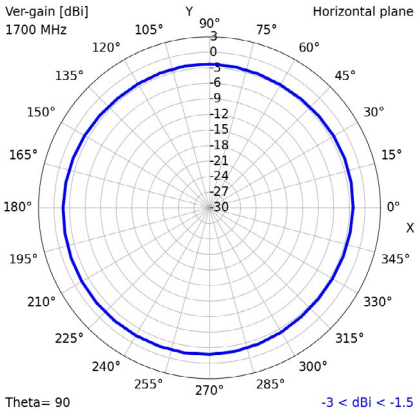


1700 MHz XY



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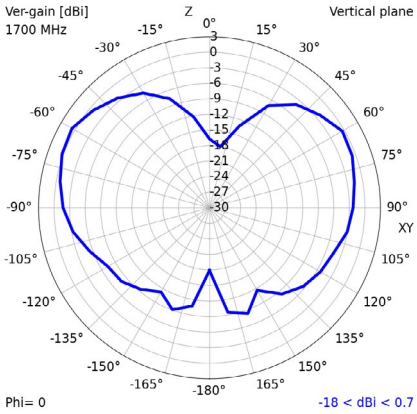

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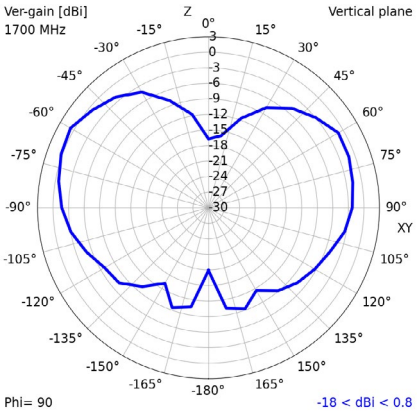
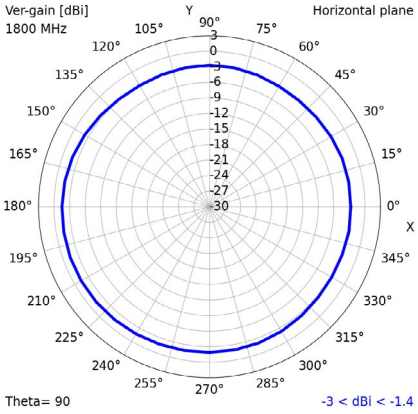


1800 MHz XY



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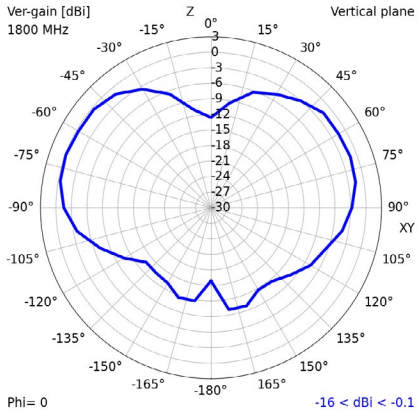

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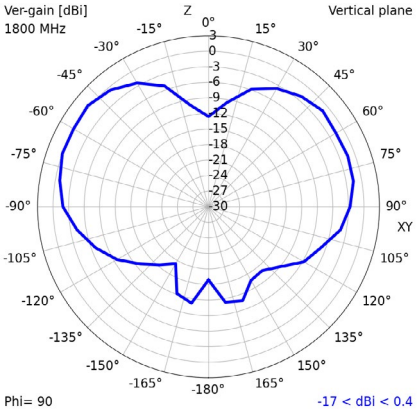

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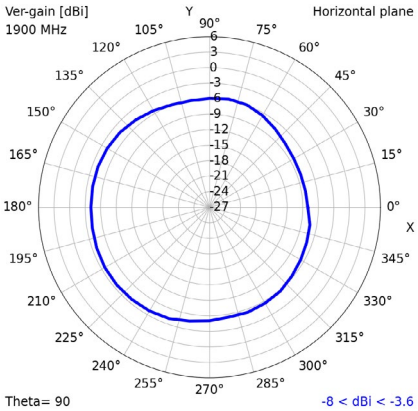
2D Radiation Plots

1900 MHz XY



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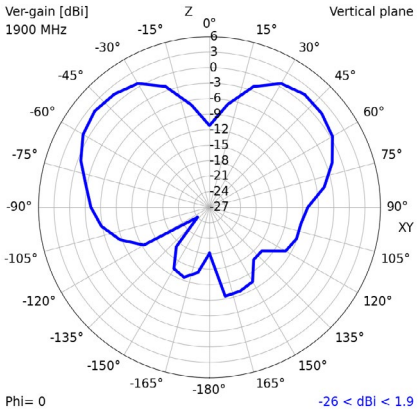

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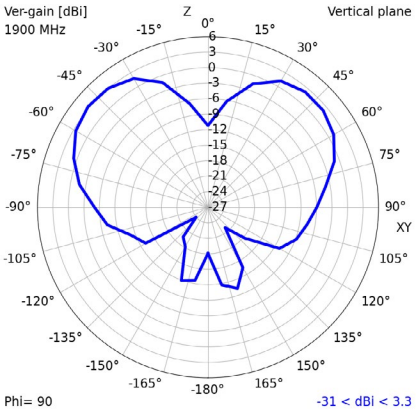
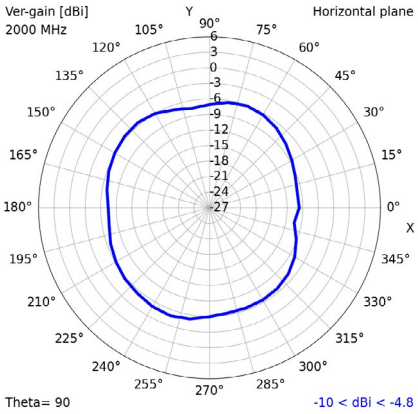


2000 MHz XY



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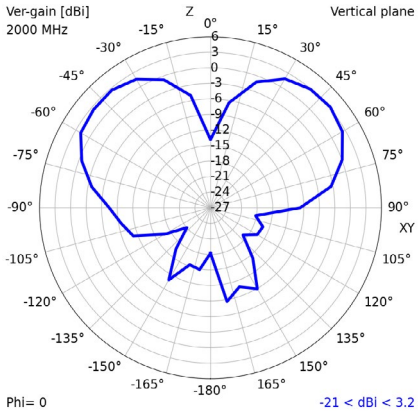

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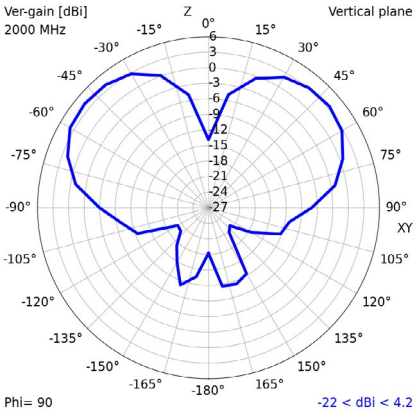
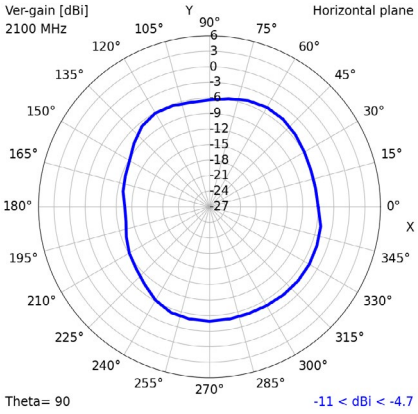


2100 MHz XY



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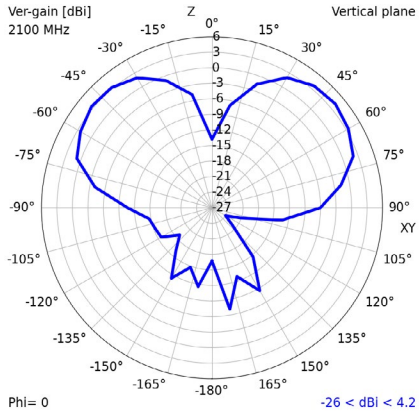

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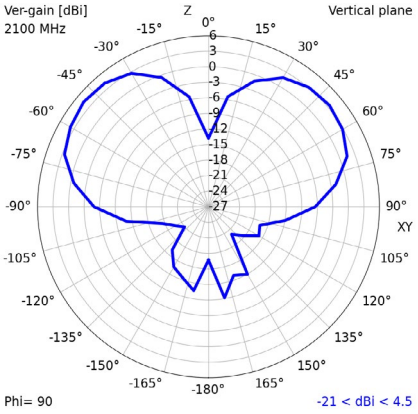

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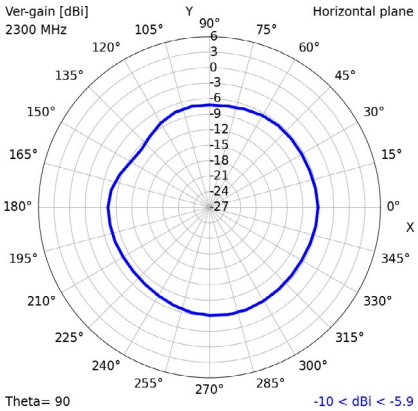
2D Radiation Plots

2300 MHz XY



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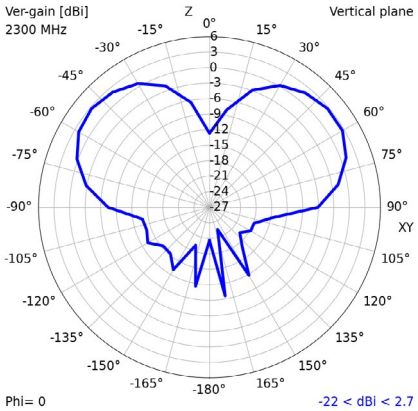

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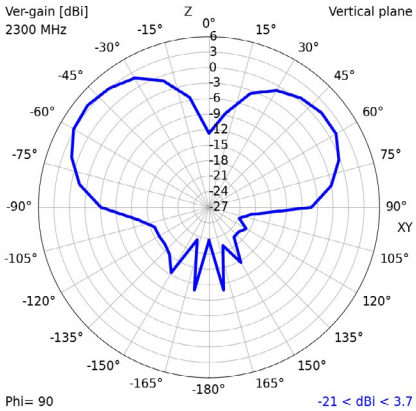
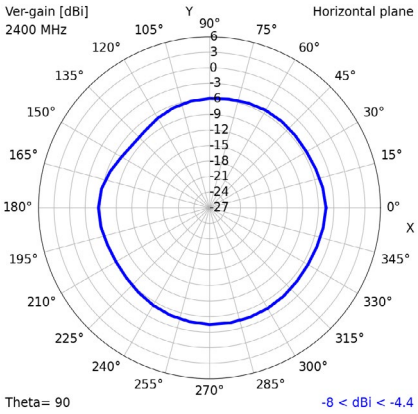


2400 MHz XY



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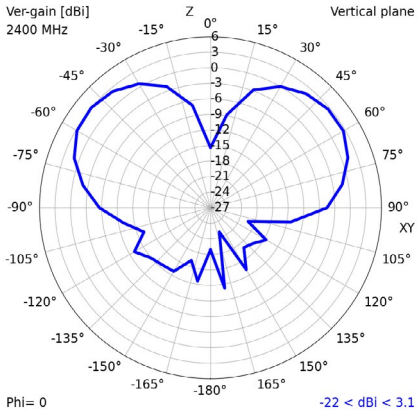
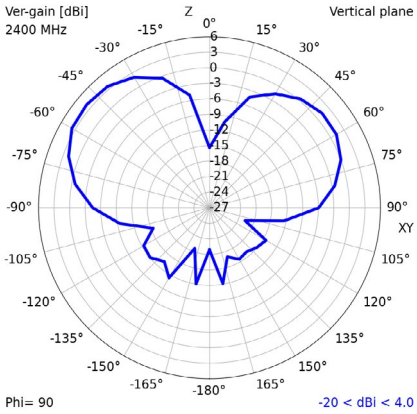
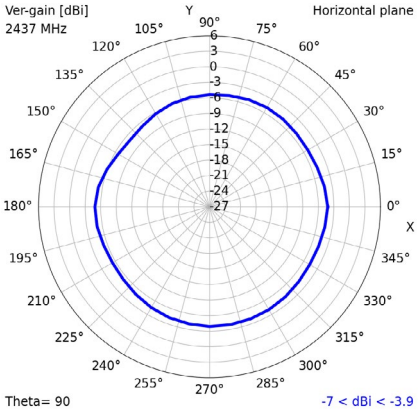


YZ



2437 MHz XY



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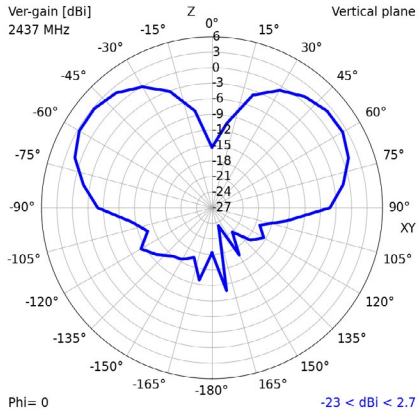

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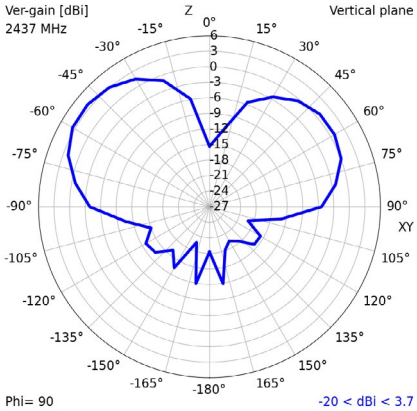

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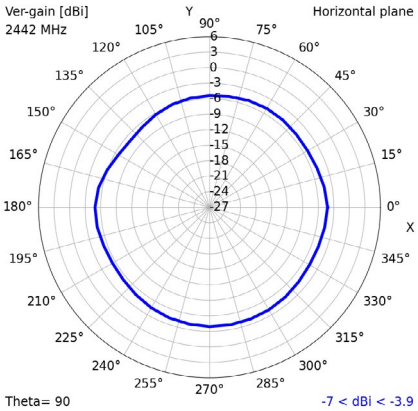
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

2D Radiation Plots

2442 MHz XY



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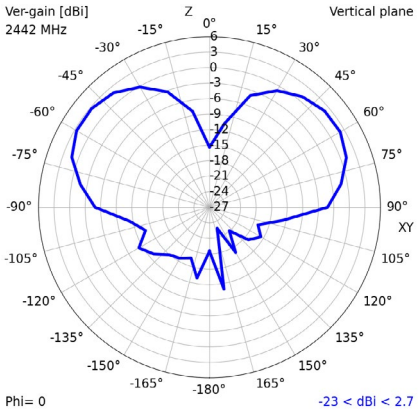

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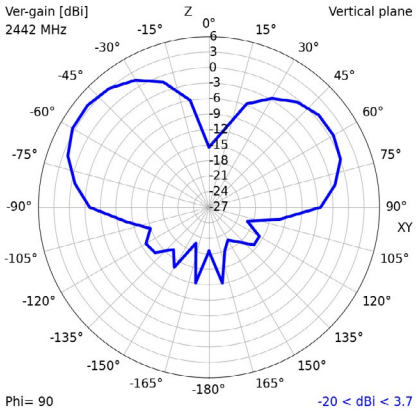
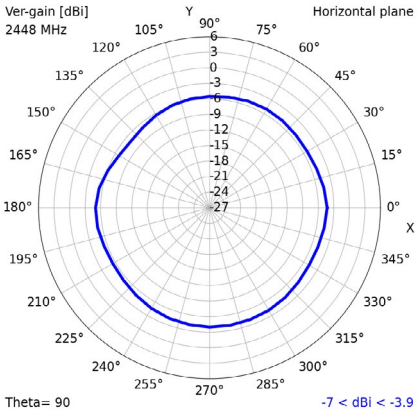


2448 MHz XY



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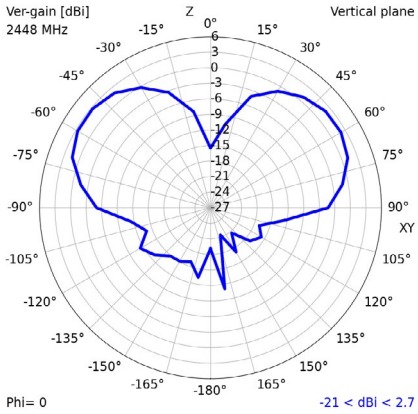

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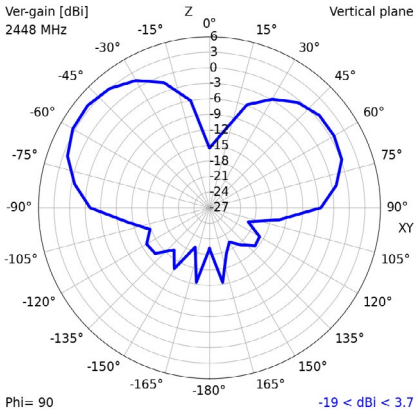
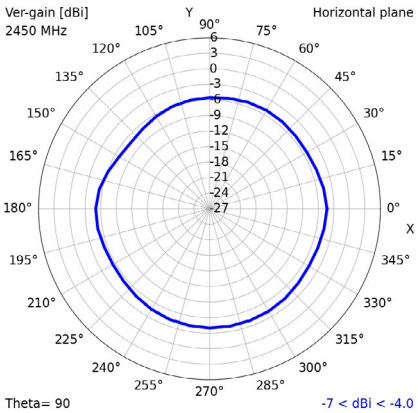


2450 MHz XY



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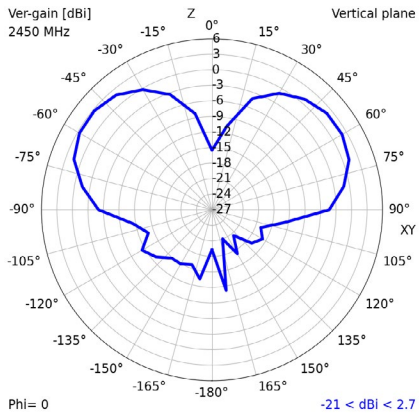

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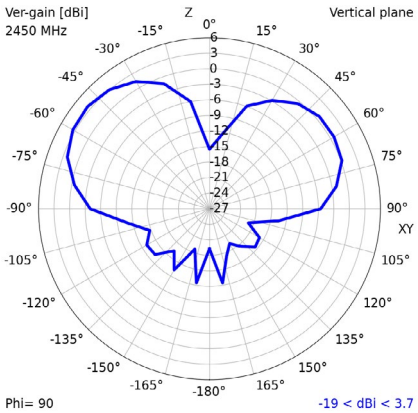

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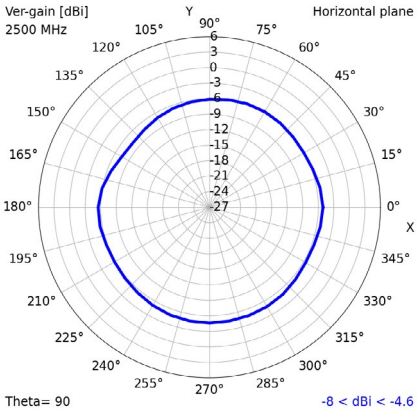
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

2D Radiation Plots

2500 MHz XY



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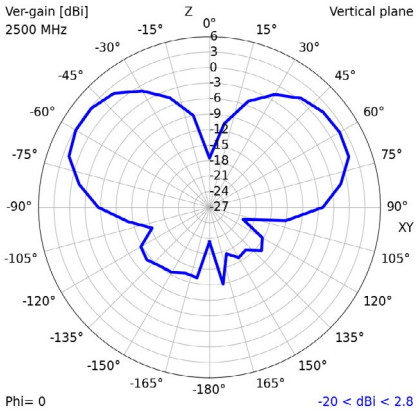

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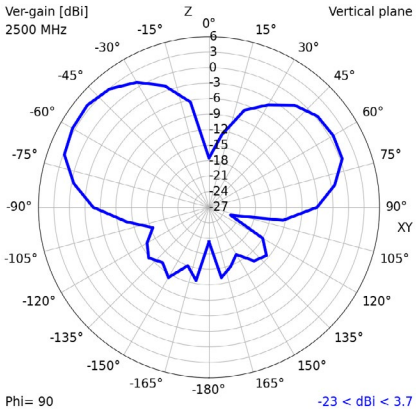
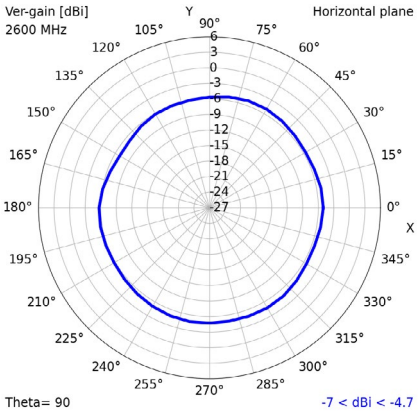


2600 MHz XY



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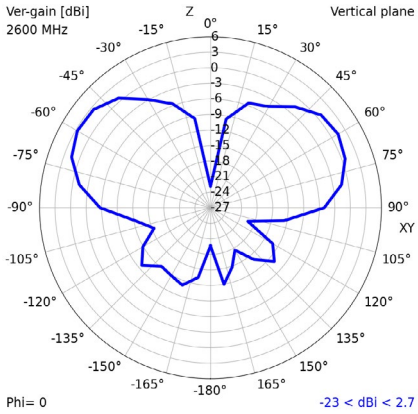

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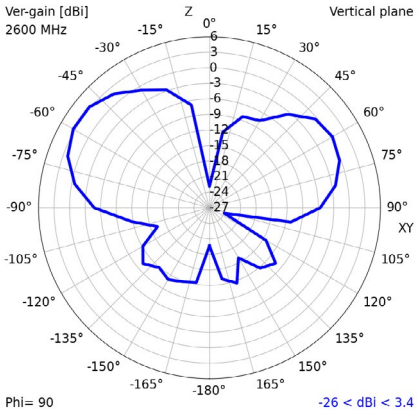
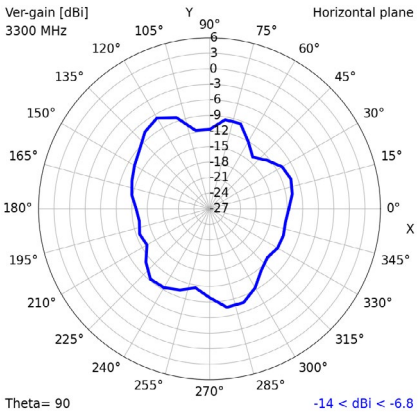


3300 MHz XY



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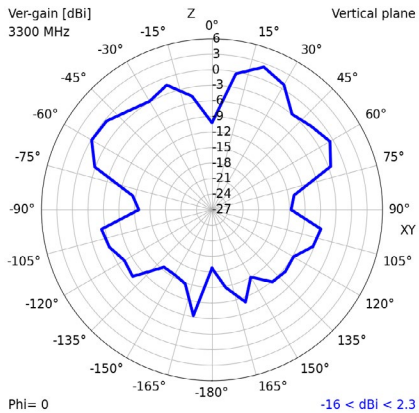

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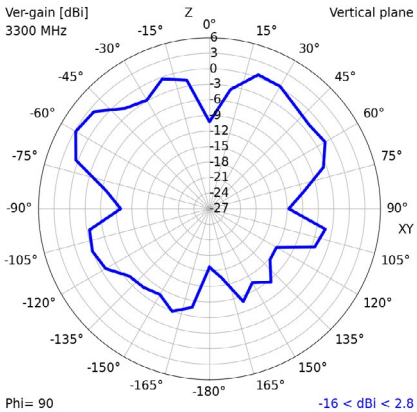

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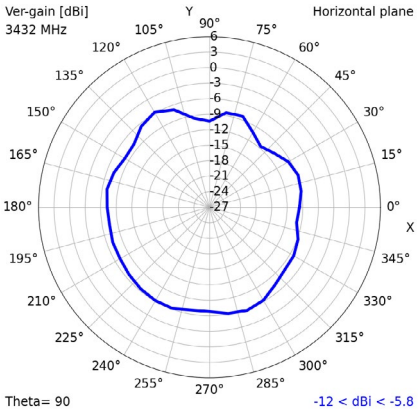
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

2D Radiation Plots

3432 MHz XY



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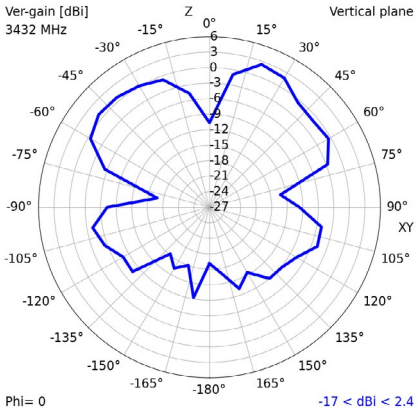

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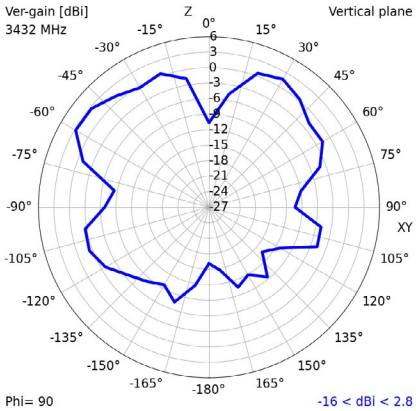
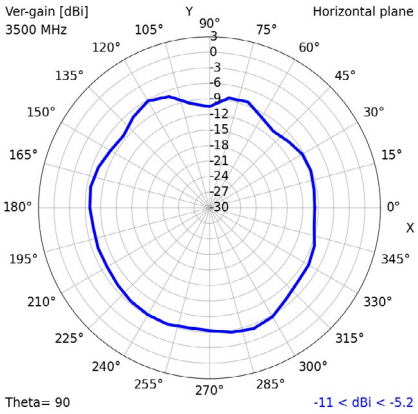


3500 MHz XY



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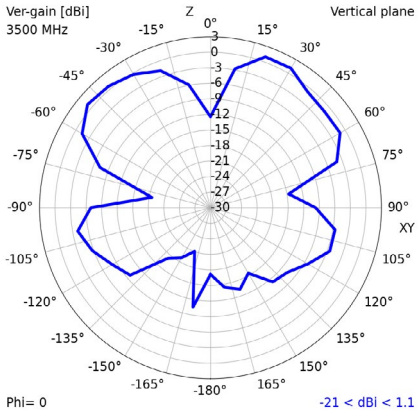

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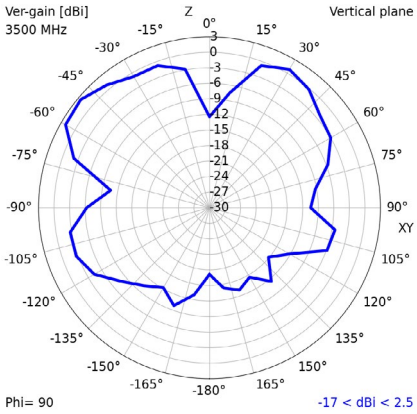
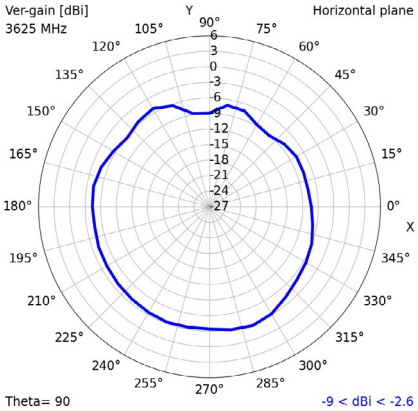


3625 MHz XY



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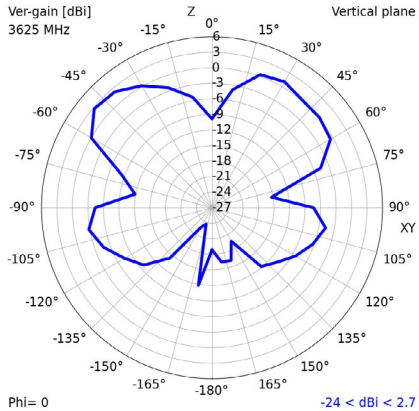

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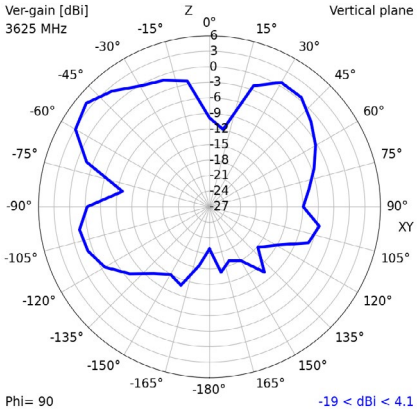

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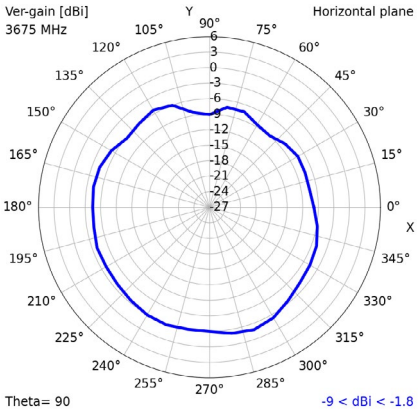
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

2D Radiation Plots

3675 MHz XY



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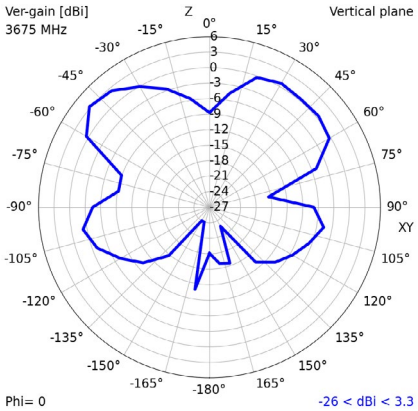

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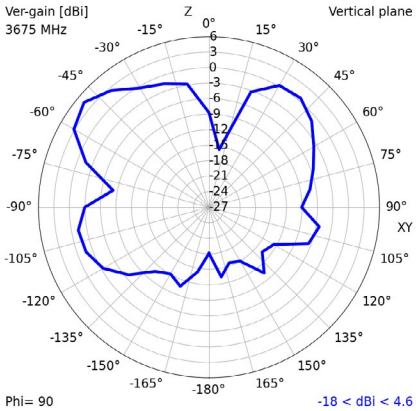
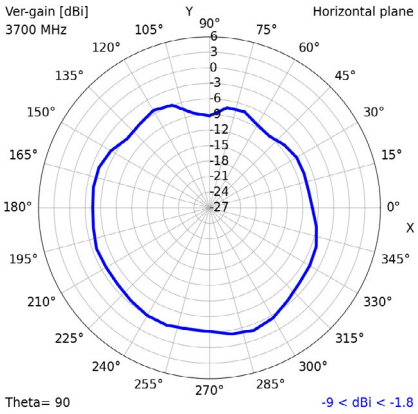


3700 MHz XY



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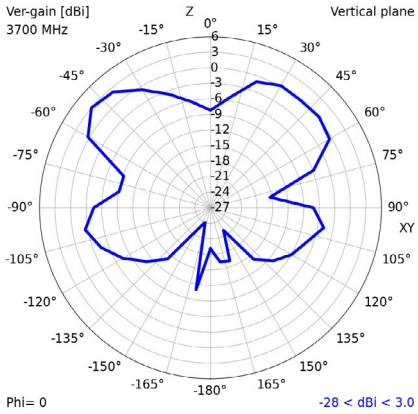

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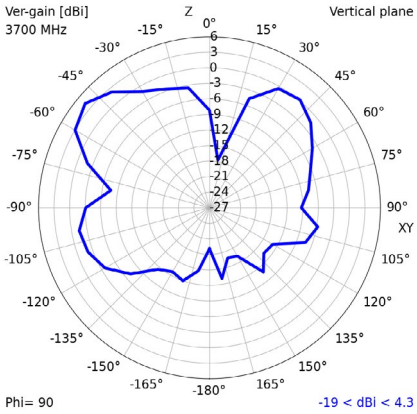
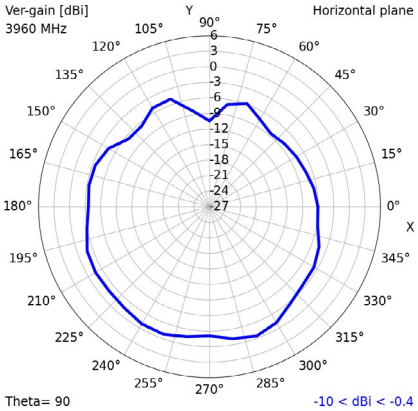


3960 MHz XY



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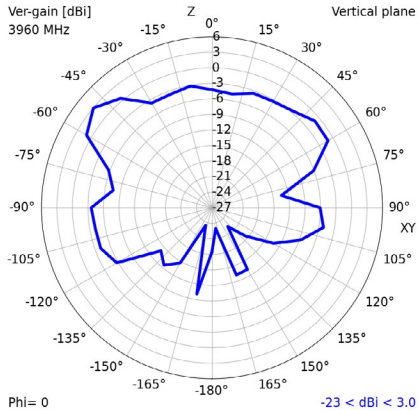

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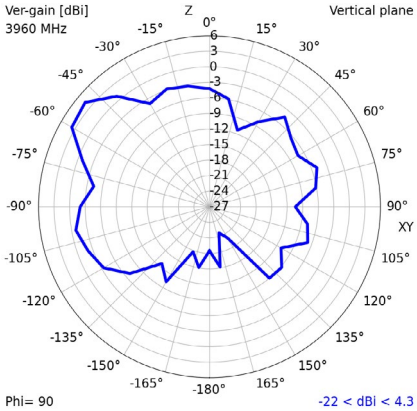

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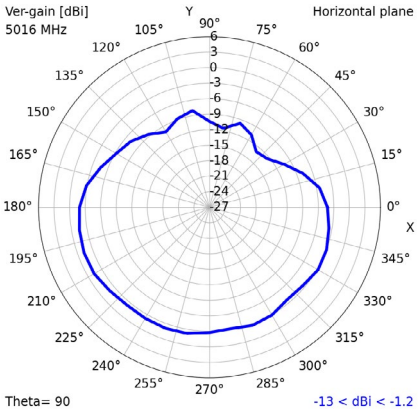
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

2D Radiation Plots

5016 MHz XY



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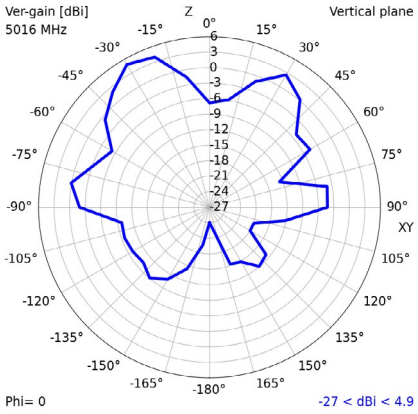

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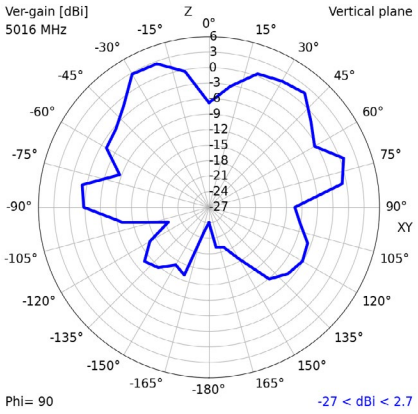
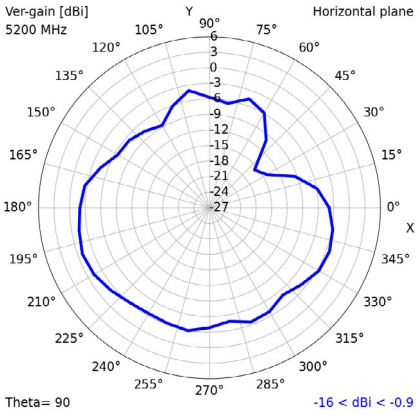


5200 MHz XY



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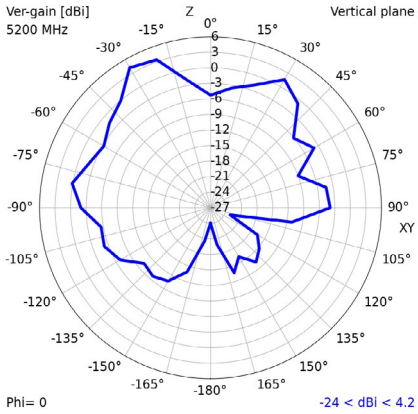

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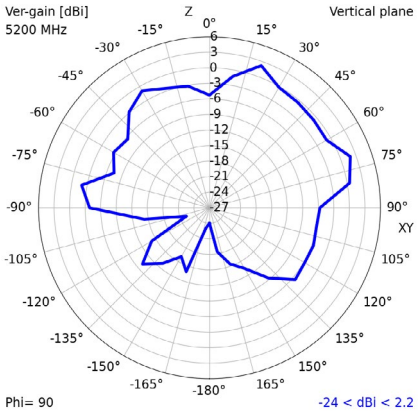
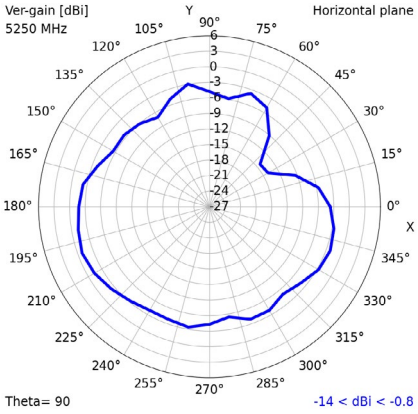


5250 MHz XY



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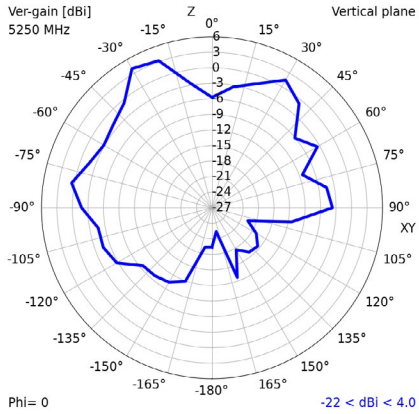

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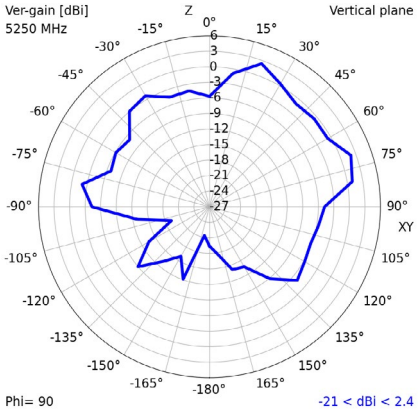

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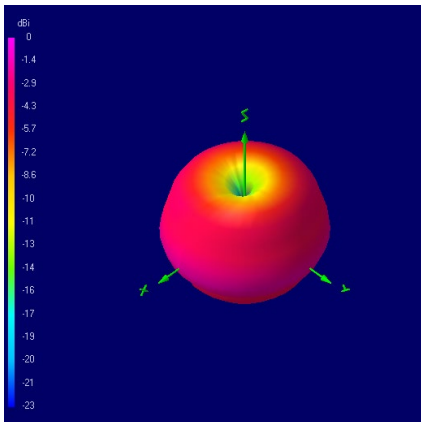
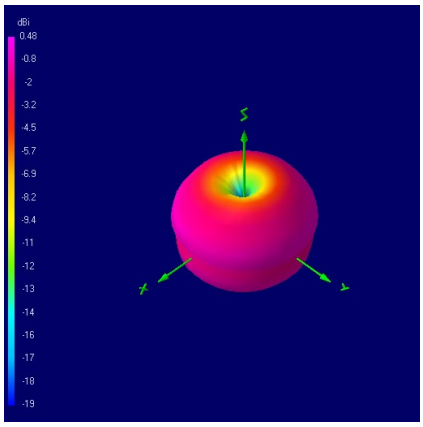
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

3D Radiation Plots

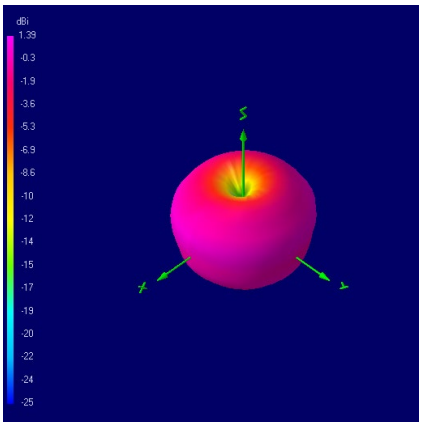
600 MHz



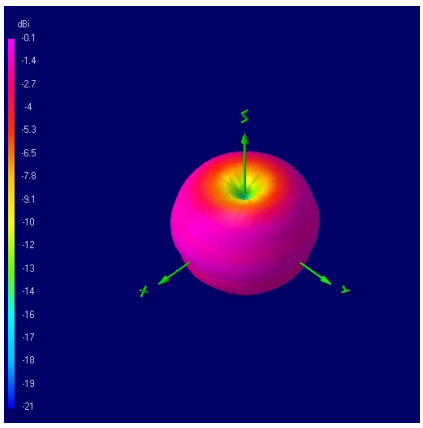
700 MHz



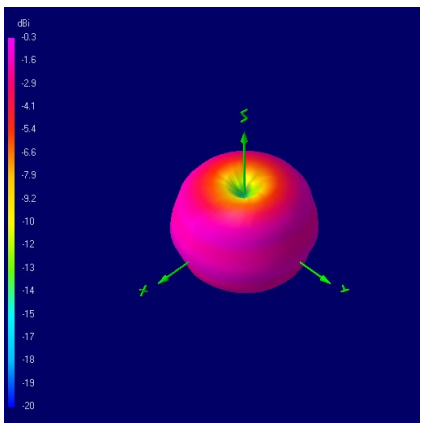
800 MHz



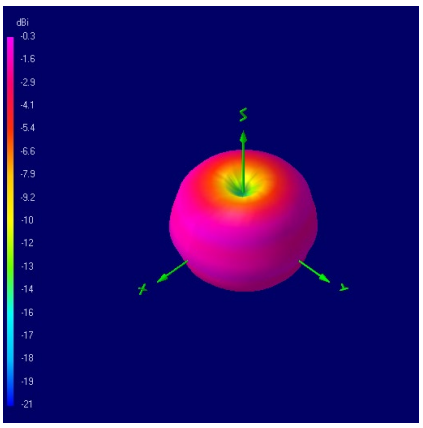
850 MHz



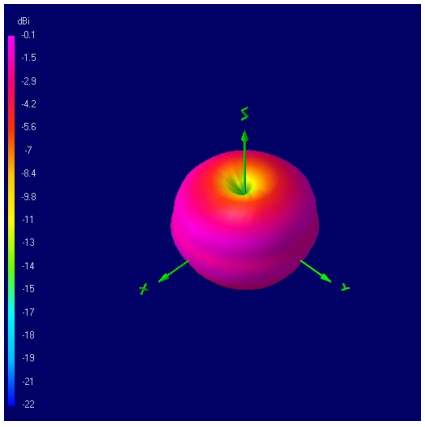
866 MHz



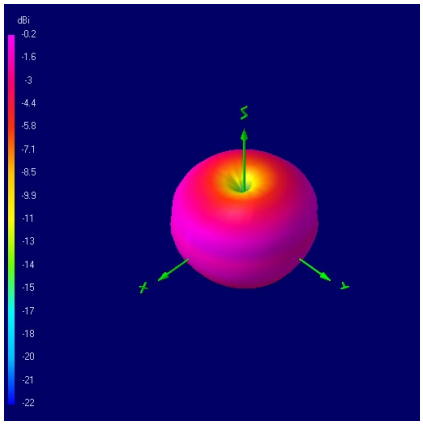
868 MHz



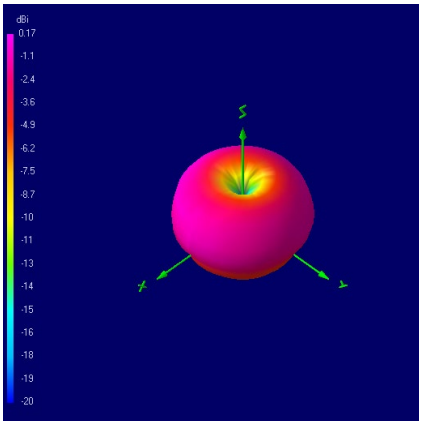
900 MHz



915 MHz



1500 MHz



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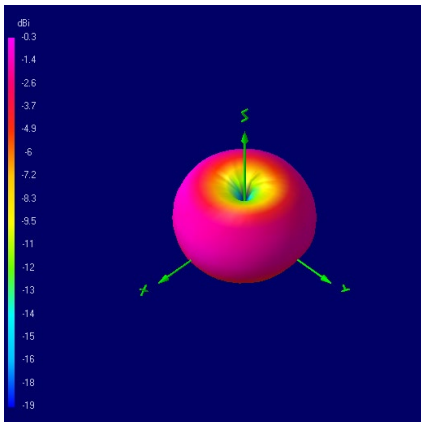
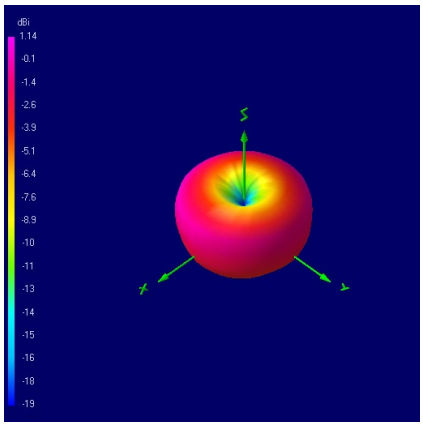
IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

3D Radiation Plots

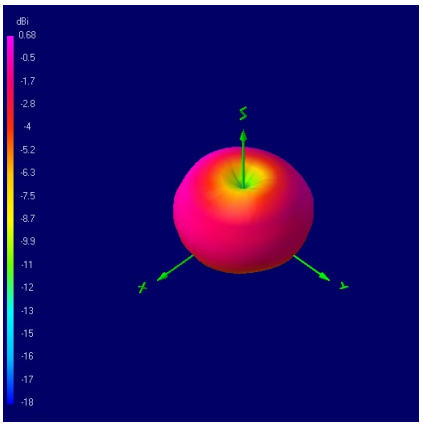
1600 MHz



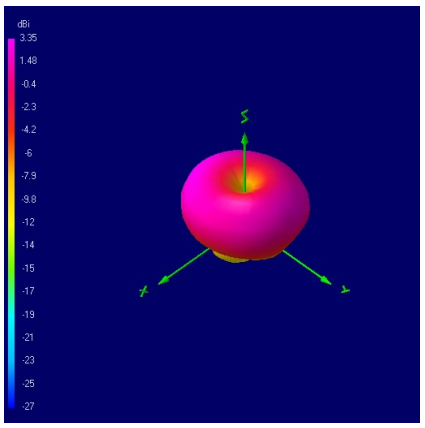
1700 MHz



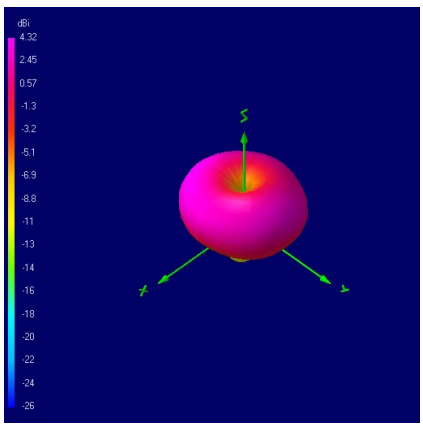
1800 MHz



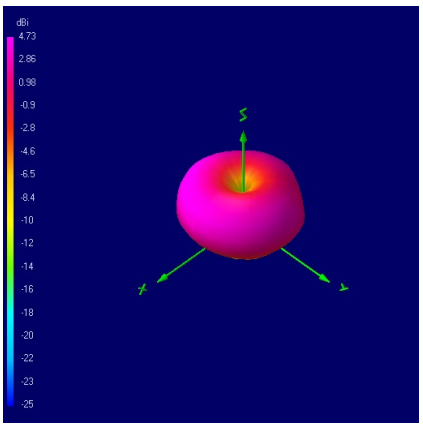
1900 MHz



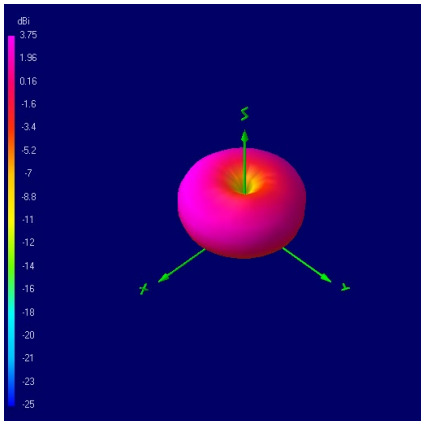
2000 MHz



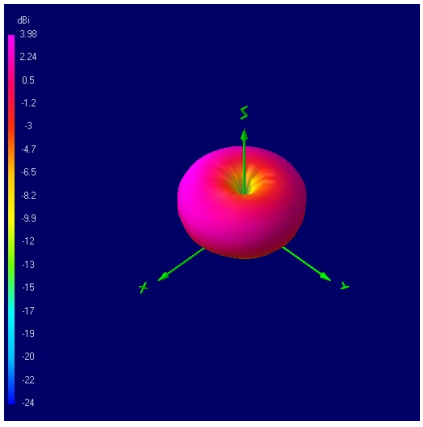
2100 MHz



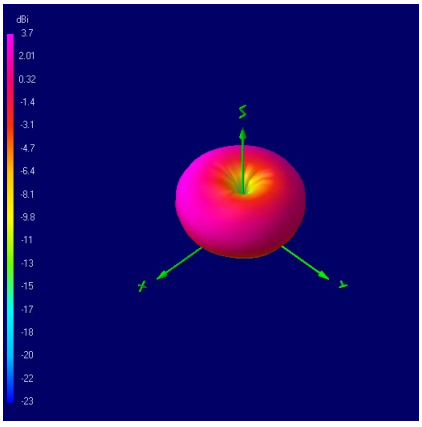
2300 MHz



2400 MHz



2437 MHz



Mike 20

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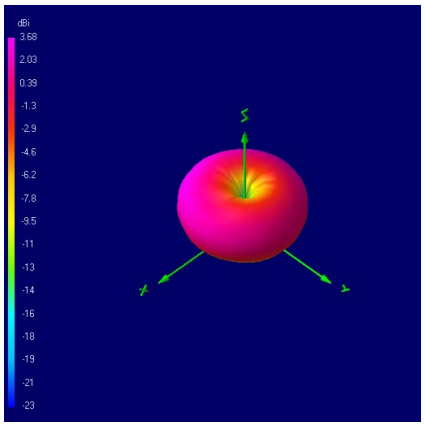
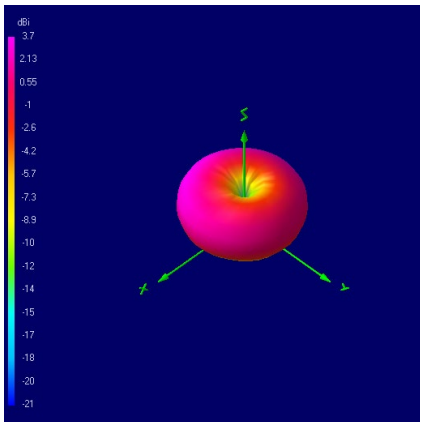
3D Radiation Plots

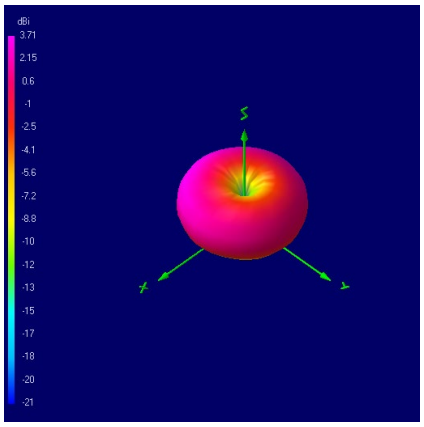
2442 MHz



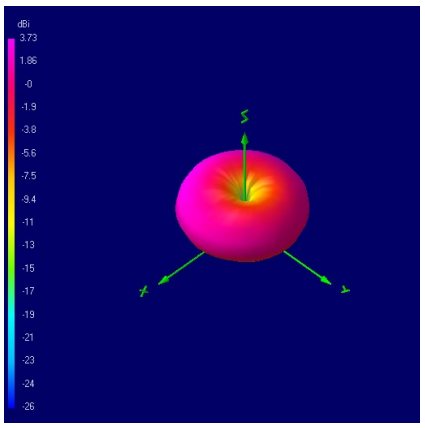
2448 MHz



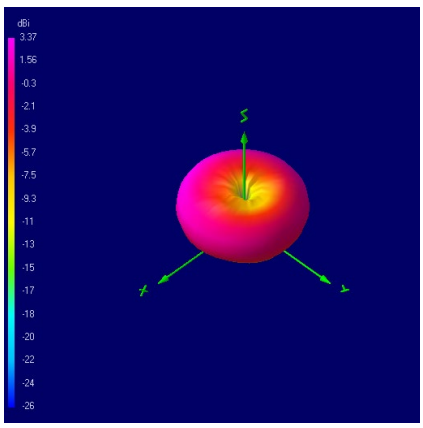
2450 MHz



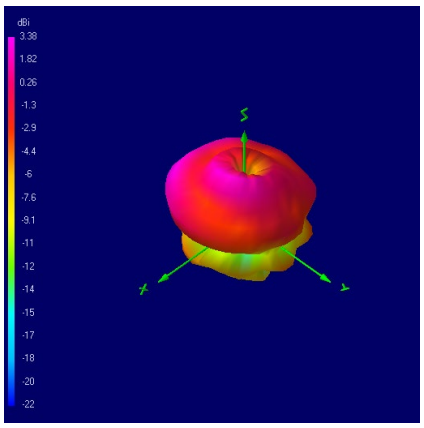
2500 MHz



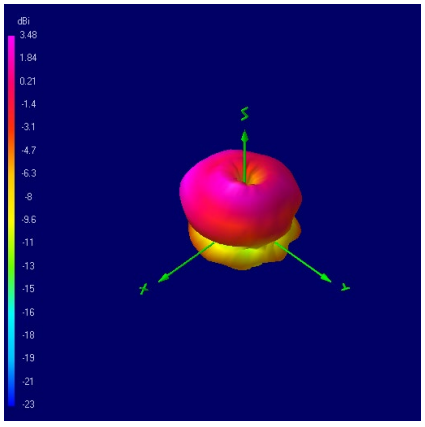
2600 MHz



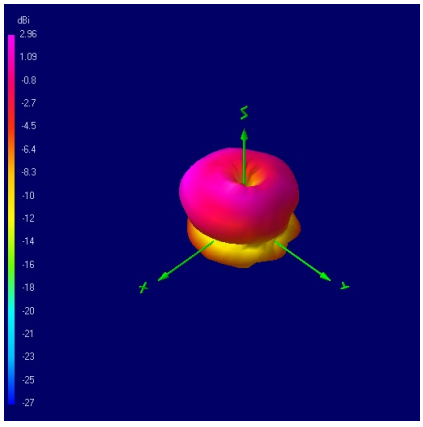
3300 MHz



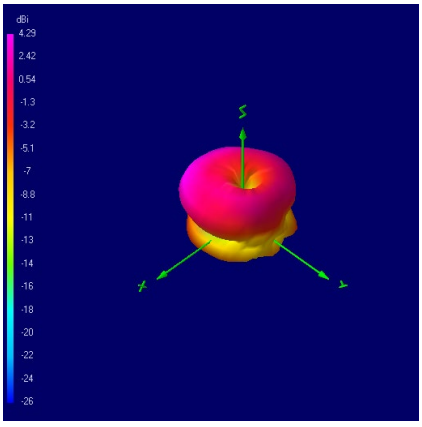
3432 MHz



3500 MHz



3625 MHz



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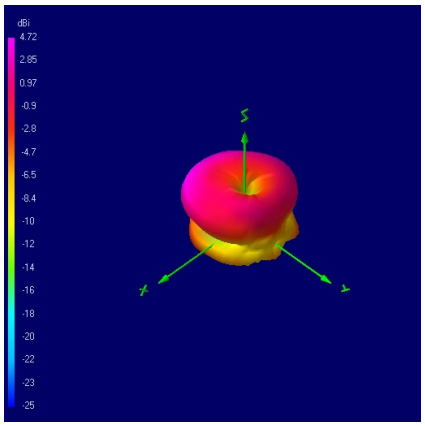
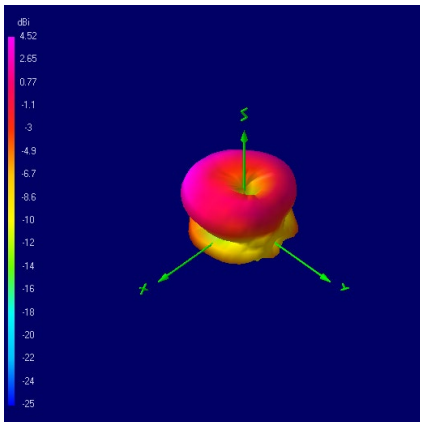
3D Radiation Plots

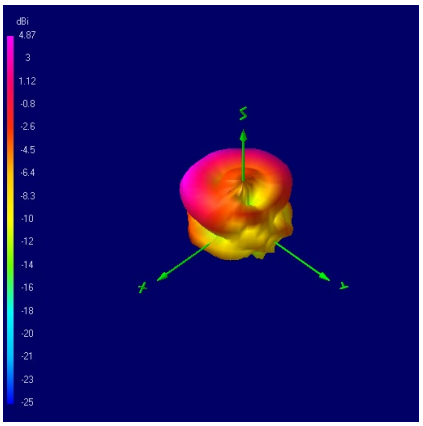
3675 MHz



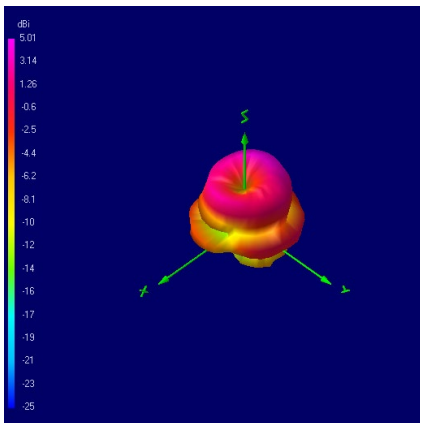
3700 MHz



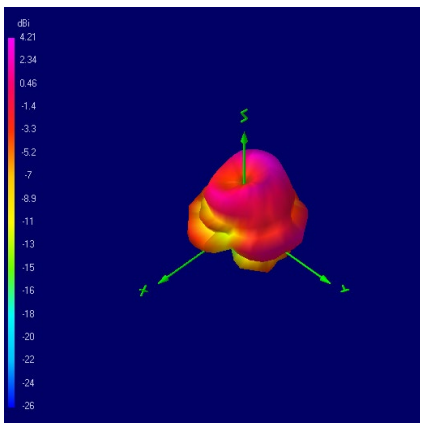
3960 MHz



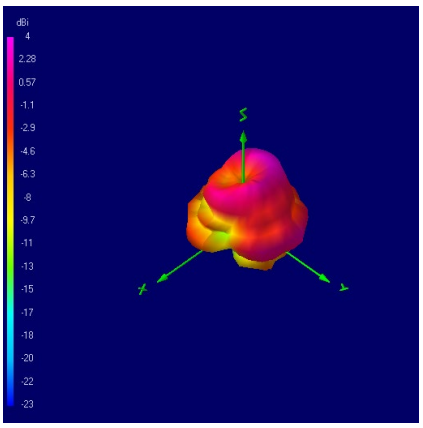
5016 MHz



5200 MHz



5250 MHz



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

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IP68 Multi-Band 5G / 4G LTE Magnetic Mount Omni Antenna

Ordering Details:

Part Number	Description
MIKE20/1M/LL/SMAM/S/S/33	5G / 4G LTE Magnetic Mount Omni Antenna, 1M Low Loss Cable SMA Male Connector
MIKE20/2.5M/LL/SMAM/S/S/33	5G / 4G LTE Magnetic Mount Omni Antenna, 2.5M Low Loss Cable SMA Male Connector
MIKE20/5M/LL/SMAM/S/S/33	5G / 4G LTE Magnetic Mount Omni Antenna, 5M Low Loss Cable SMA Male Connector
MIKE20/1M/LL/SMAM/RP/S/33	5G / 4G LTE Magnetic Mount Omni Antenna, 1M Low Loss Cable Reverse Polarity SMA Male Connector
MIKE20/2.5M/LL/SMAM/RP/S/33	5G / 4G LTE Magnetic Mount Omni Antenna, 2.5M Low Loss Cable Reverse Polarity SMA Male Connector
MIKE20/5M/LL/SMAM/RP/S/33	5G / 4G LTE Magnetic Mount Omni Antenna, 5M Low Loss Cable Reverse Polarity SMA Male Connector