



Delta 52

IP67 Hinged Wideband 5G/4G Terminal Mount Antenna



Key Features

- Operates between 600 MHz – 6000 MHz
- Supports 5G NR/ 4G LTE/ Cat M/ NB-IoT/ 3G UMTS
- Supports Dual band Wi-Fi 2.4G & 5G
- High gain Monopole Terminal Antenna
- Hinged 90° Swivel joint
- Terminated with SMA (M) connector
- IP67 waterproof enclosure

Additional Considerations

- Omnidirectional radiation pattern
- Ground Plane independent

General Description

The Delta 52 is a high-gain monopole antenna that delivers wideband coverage across the 600 MHz to 6000 MHz frequency range.

It features an integrated SMA (M) connector with a swivel knuckle design that allows for flexible positioning at 0°, 45°, or 90° angles, with full 360° rotation to support optimal signal alignment in a variety of installations.

Supporting a wide range of wireless technologies, including cellular, Wi-Fi, ISM, and LPWAN protocols, the Delta 52 is a versatile solution for multi-band applications.

Verified through anechoic chamber testing, it provides consistently high peak gain and stable VSWR across its entire operational bandwidth.

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

D Direct	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 2.4G & 5G	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 67



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Electrical Specifications

Frequency range:	600-1000 MHz, 1700-6000 MHz
Impedance:	50 Ω
Polarisation:	Linear
Average gain:	2.79 dBi
Peak gain:	6.59 dBi
Average spherically integrated total gain:	600-960 MHz: -3.55 dBi 1500-5900 MHz: -3.31 dBi
Average efficiency:	~45%
VSWR:	≤ 2.7
Input power	1 W
Directionality:	Omni-directional
Ground plane independent:	Yes

Environmental Specifications

Operating temperature range:	-30 °C to +70 °C
Storage temperature range:	-40 °C to +85 °C

Mechanical Specifications

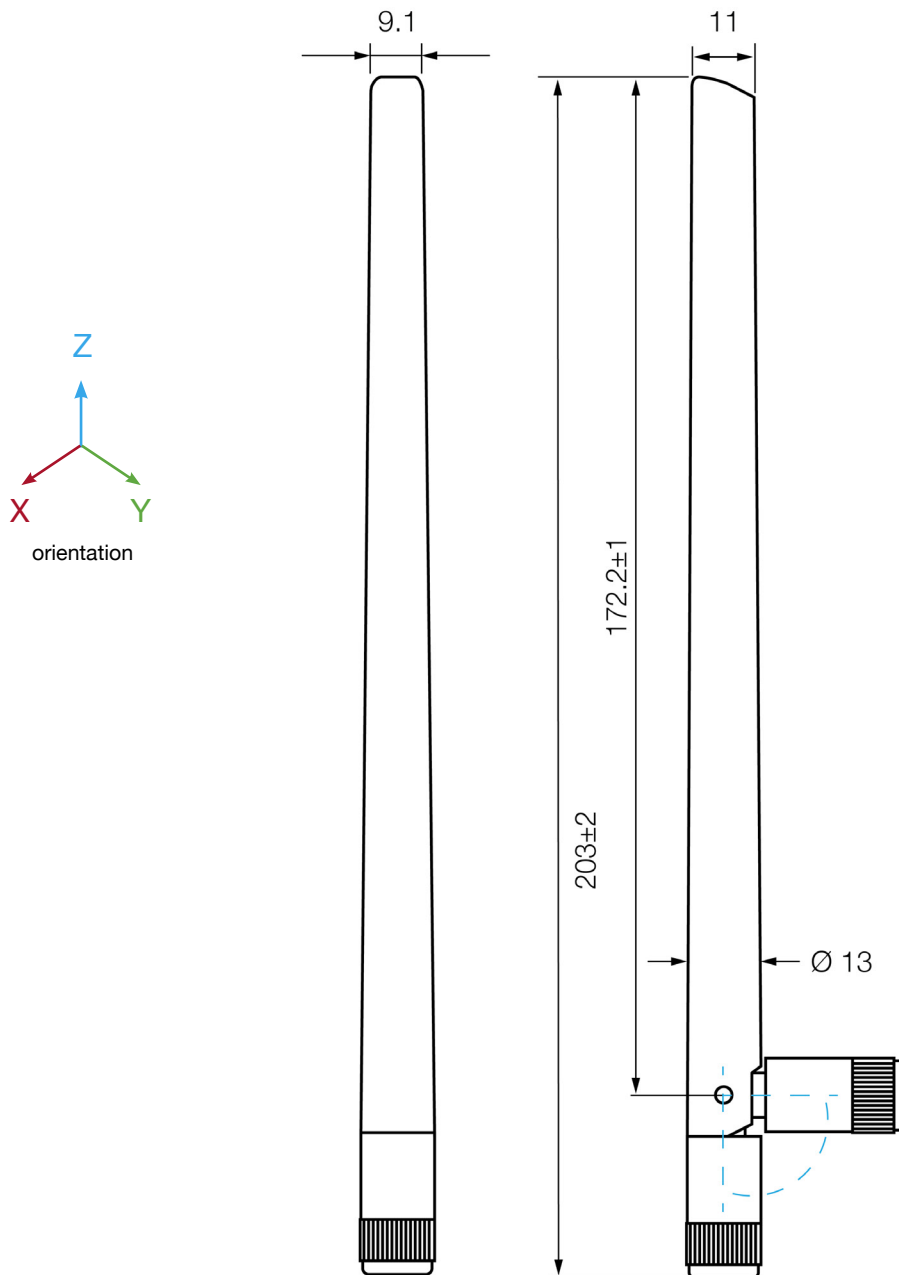
Colour options:	Black
Connector options:	SMA Male
Mounting method:	Direct Connect (Hinged)
Dimensions:	203 mm Length x \varnothing 13 mm Diameter
Weight:	23.5 g
Radome:	ABS Black



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Dimensional Drawing

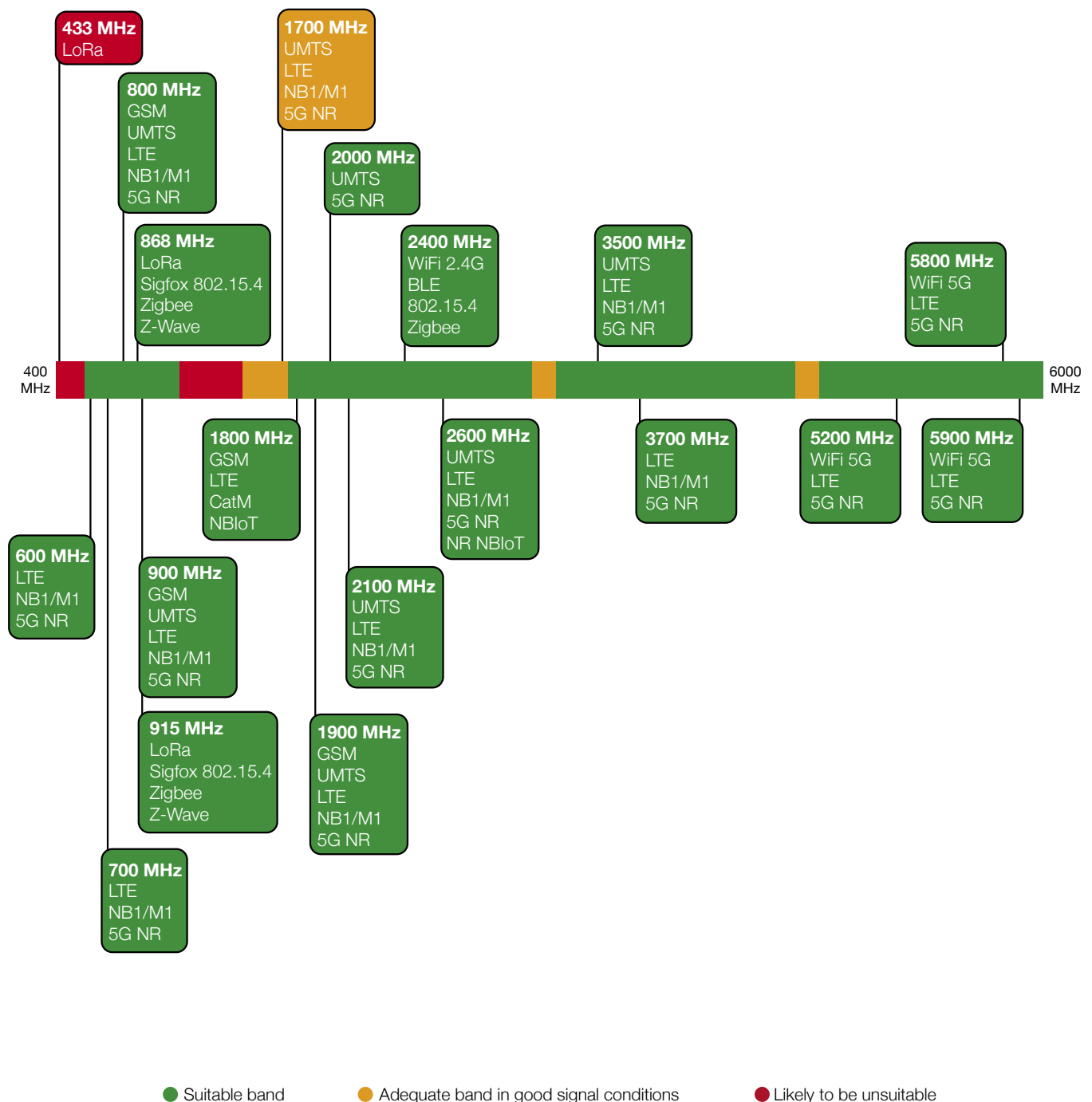




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Spectrum Coverage

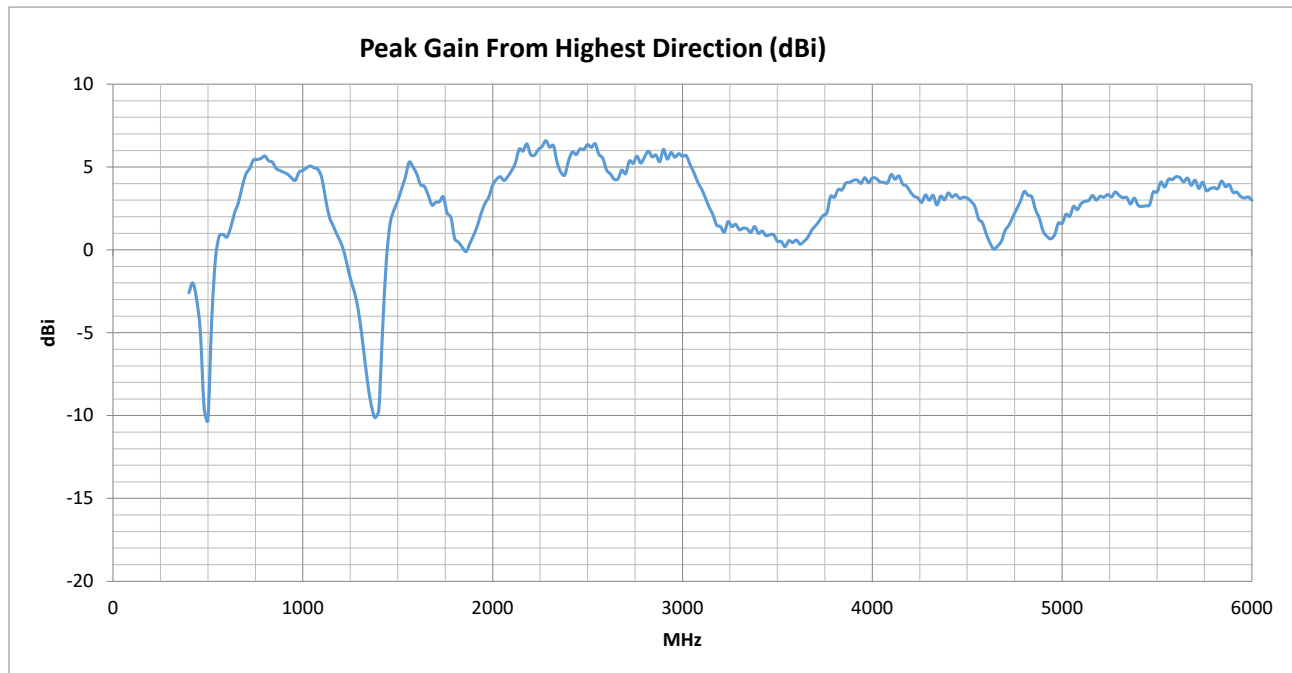




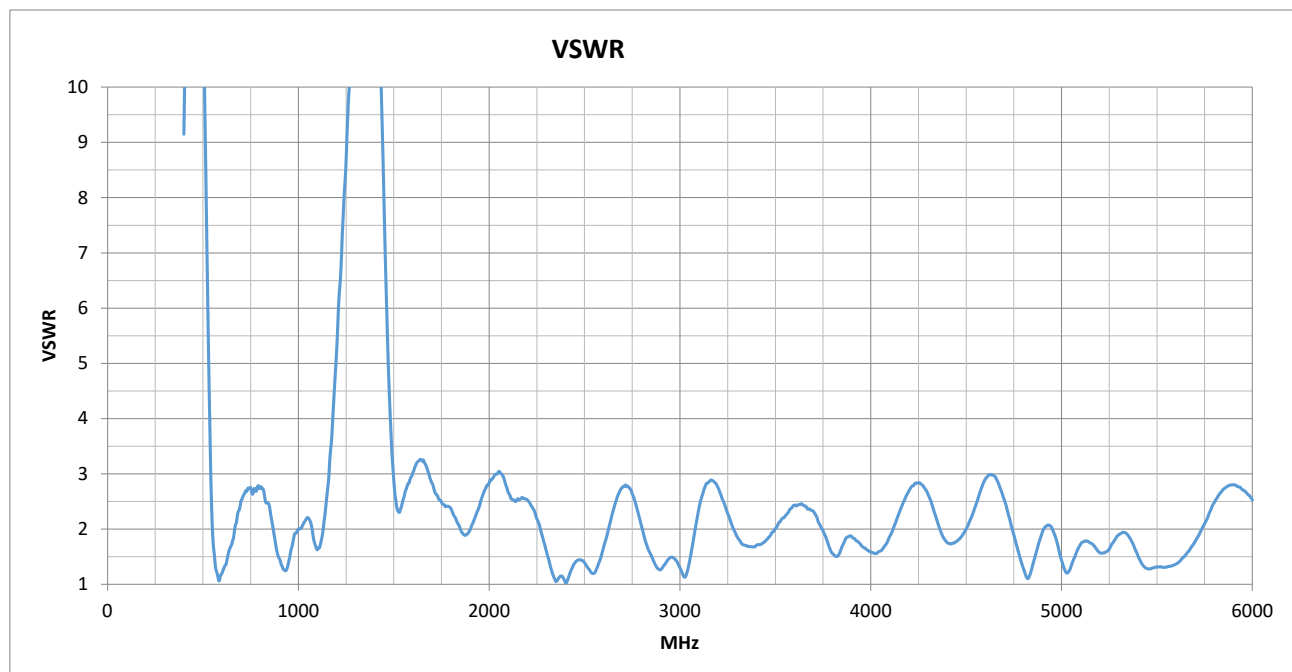
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Peak Gain vs. Frequency



VSWR

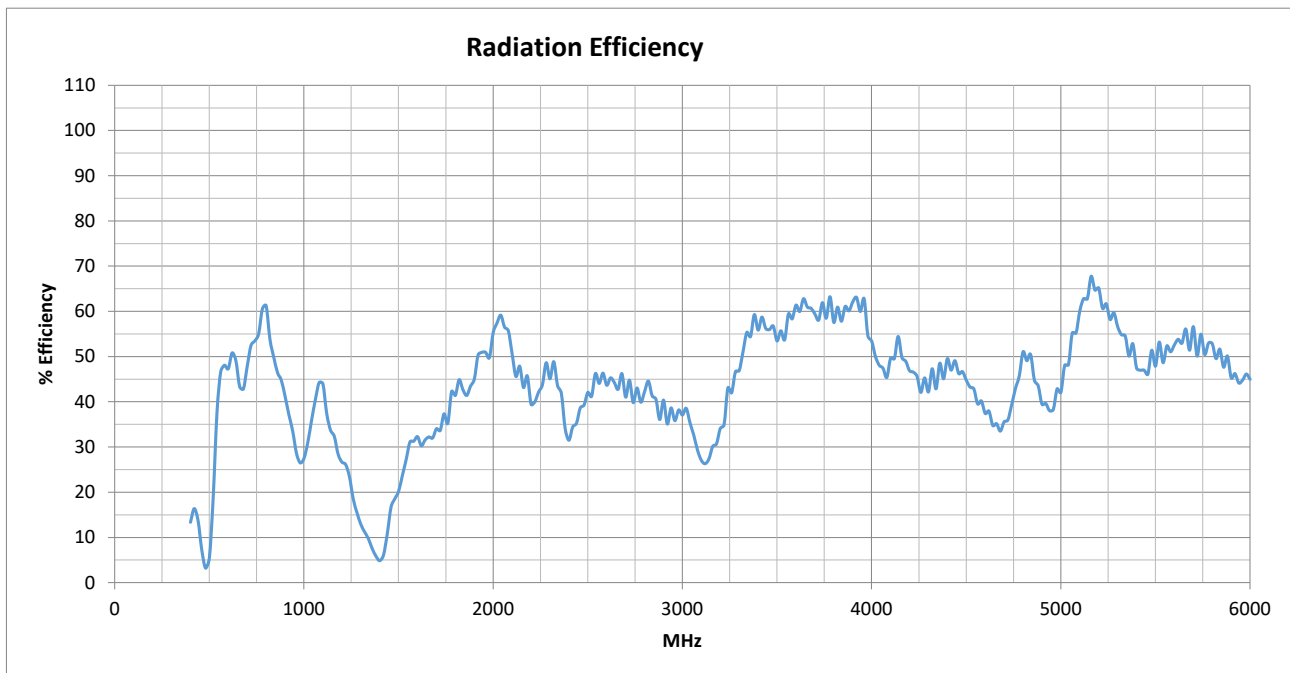




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Radiation Efficiency





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Usable Cellular Frequency Support (400 MHz – 2000 MHz)

	400	410	450	600	700	800	850	900	1500	1600	1700	1800	1900	2000
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 (2100 MHz – 6700 MHz)

	2100	2300	2400	2500	2600	3300	3500	3700	4700	5200	5900	6000	6200	6700
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 - 6525 MHz)

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



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Cellular Standards Band Support

GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	Cat M E-UTRA Band	Cat NB E-UTRA Band	NR (5G) Band	Cat NB NR (5G) Band	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	50.64	45.85	2.72	2.60	●
PCS-1900	2	2	2	2	n2	n2		1850 - 1910 MHz	1930 - 1990 MHz	43.55	50.76	2.08	2.80	●
DCS-1800	3	3	3	3	n3	n3		1710 - 1785 MHz	1805 - 1880 MHz	36.78	42.91	2.73	2.32	●
	4	4	4	4				1710 - 1755 MHz	2110 - 2155 MHz	35.45	46.55	2.73	2.60	●
GSM-850	5	5	5	5	n5	n5		824 - 849 MHz	869 - 894 MHz	50.62	44.28	2.57	1.98	●
	6							830 - 840 MHz	875 - 885 MHz	50.87	44.65	2.47	1.85	●
	7	7	7	7	n7	n7		2500 - 2570 MHz	2620 - 2690 MHz	43.66	44.36	1.39	2.72	●
E-GSM-900	8	8	8	8	n8	n8		880 - 915 MHz	925 - 960 MHz	41.58	32.74	1.75	1.60	●
	9	9						1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	38.37	42.19	2.48	2.04	●
	10	10						1710 - 1770 MHz	2110 - 2170 MHz	35.71	45.85	2.73	2.60	●
	11	11	11	11				1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	10.36	19.02	10.97	4.52	●
	12	12	12	12	n12	n12		699 - 716 MHz	729 - 746 MHz	49.59	53.36	2.63	2.74	●
	13	13	13	13	n13			777 - 787 MHz	746 - 756 MHz	60.49	54.28	2.77	2.75	●
	14	14	14	14	n14	n14		788 - 798 MHz	758 - 768 MHz	60.99	55.83	2.78	2.71	●
		17		17				704 - 716 MHz	734 - 746 MHz	50.17	53.50	2.63	2.74	●
		18	18	18	n18	n18		815 - 830 MHz	860 - 875 MHz	53.48	45.82	2.72	2.16	●
	19	19	19	19				830 - 845 MHz	875 - 890 MHz	50.40	44.25	2.47	1.85	●
	20	20	20	20	n20	n20		832 - 862 MHz	791 - 821 MHz	48.72	58.46	2.47	2.77	●
	21	21	21	21				1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	15.28	20.84	8.06	3.09	●
	22	22						3410 - 3490 MHz	3510 - 3590 MHz	56.73	56.82	1.95	2.40	●
		24	24	24	n24	n24		1626.5 - 1660.5 MHz	1525 - 1559 MHz	31.58	27.68	3.26	2.66	●
	25	25	25	25	n25	n25		1850 - 1915 MHz	1930 - 1995 MHz	43.92	50.95	2.11	2.80	●
	26	26	26	26	n26	n26		814 - 849 MHz	859 - 894 MHz	51.68	44.80	2.72	2.18	●
		27	27					807 - 824 MHz	852 - 869 MHz	55.58	46.58	2.75	2.33	●
		28	28	28	n28	n28		703 - 748 MHz	758 - 803 MHz	52.18	59.20	2.75	2.78	●

● 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
		28A						703 - 733 MHz	758 - 788 MHz	51.50	58.33	2.71	2.77	●
		29			n29			N/A	717 - 728 MHz	N/A	52.53	N/A	2.70	●
		30			n30			2305 - 2315 MHz	2350 - 2360 MHz	46.97	42.30	1.53	1.09	●
		31	31	31	n31	n31		452.5 - 457.5 MHz	462.5 - 467.5 MHz	8.81	6.17	16.14	16.27	●
	32	32						N/A	1452 - 1496 MHz	N/A	17.81	N/A	7.44	●
		33						1900 - 1920 MHz	1900 - 1920 MHz	47.66	47.66	2.16	2.16	●
		34			n34			2010 - 2025 MHz	2010 - 2025 MHz	57.14	57.14	2.95	2.95	●
		35						1850 - 1910 MHz	1850 - 1910 MHz	43.55	43.55	2.08	2.08	●
		36						1930 - 1990 MHz	1930 - 1990 MHz	50.76	50.76	2.80	2.80	●
		37						1910 - 1930 MHz	1910 - 1930 MHz	49.75	49.75	2.24	2.24	●
		38			n38			2570 - 2620 MHz	2570 - 2620 MHz	44.94	44.94	1.92	1.92	●
		39	39		n39			1880 - 1920 MHz	1880 - 1920 MHz	45.94	45.94	2.16	2.16	●
		40	40		n40			2300 - 2400 MHz	2300 - 2400 MHz	41.34	41.34	1.59	1.59	●
		41	41	41	n41	n41		2496 - 2690 MHz	2496 - 2690 MHz	44.20	44.20	2.72	2.72	●
		42	42	42				3400 - 3600 MHz	3400 - 3600 MHz	56.70	56.70	2.43	2.43	●
		43	43	43				3600 - 3800 MHz	3600 - 3800 MHz	60.50	60.50	2.45	2.45	●
		44						703 - 803 MHz	703 - 803 MHz	55.57	55.57	2.78	2.78	●
		45						1447 - 1467 MHz	1447 - 1467 MHz	15.56	15.56	8.20	8.20	●
		46			n46			5150 - 5925 MHz	5150 - 5925 MHz	53.21	53.21	2.80	2.80	●
		47			n47			5855 - 5925 MHz	5855 - 5925 MHz	47.39	47.39	2.80	2.80	●
		48	48	48	n48			3550 - 3700 MHz	3550 - 3700 MHz	60.34	60.34	2.45	2.45	●
		49						3550 - 3700 MHz	3550 - 3700 MHz	60.34	60.34	2.45	2.45	●
		50			n50			1432 - 1517 MHz	1432 - 1517 MHz	17.19	17.19	10.32	10.32	●
		51			n51			1427 - 1432 MHz	1427 - 1432 MHz	8.28	8.28	11.12	11.12	●
		52						3300 - 3400 MHz	3300 - 3400 MHz	54.30	54.30	1.86	1.86	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	Cat M E-UTRA Band	Cat NB E-UTRA Band	NR (5G) Band	Cat NB NR (5G) Band	NTN Band	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		53			n53			2483.5 - 2495 MHz	2483.5 - 2495 MHz	40.56	40.56	1.43	1.43	●
		54	54	54	n54	n54		1670 - 1675 MHz	1670 - 1675 MHz	32.07	32.07	3.14	3.14	●
		65		65	n65	n65		1920 - 2010 MHz	2110 - 2200 MHz	51.65	45.04	2.88	2.60	●
		66	66	66	n66	n66		1710 - 1780 MHz	2110 - 2200 MHz	36.40	45.04	2.73	2.60	●
		67			n67			N/A	738 - 758 MHz	N/A	54.06	N/A	2.75	●
		68						698 - 728 MHz	753 - 783 MHz	50.67	57.32	2.70	2.74	●
		69						N/A	2570 - 2620 MHz	N/A	44.94	N/A	1.92	●
		70		70	n70	n70		1695 - 1710 MHz	1995 - 2020 MHz	33.89	56.03	2.87	2.92	●
		71	71	71	n71	n71		663 - 698 MHz	617 - 652 MHz	44.12	49.12	2.48	1.74	●
		72	72	72	n72	n72		451 - 456 MHz	461 - 466 MHz	9.30	6.46	16.00	16.32	●
		73	73	73				450 - 455 MHz	460 - 465 MHz	9.63	6.66	15.92	16.36	●
		74	74	74	n74	n74		1427 - 1470 MHz	1475 - 1518 MHz	13.17	20.25	11.12	4.60	●
		75			n75			N/A	1432 - 1517 MHz	N/A	17.19	N/A	10.32	●
		76			n76			N/A	1427 - 1432 MHz	N/A	8.28	N/A	11.12	●
					n77			3300 - 4200 MHz	3300 - 4200 MHz	56.33	56.33	2.69	2.69	●
					n78			3300 - 3800 MHz	3300 - 3800 MHz	57.74	57.74	2.45	2.45	●
					n79			4400 - 5000 MHz	4400 - 5000 MHz	42.03	42.03	2.99	2.99	●
					n80			1710 - 1785 MHz	N/A	36.78	N/A	2.73	N/A	●
					n81			880 - 915 MHz	N/A	41.58	N/A	1.75	N/A	●
					n82			832 - 862 MHz	N/A	48.72	N/A	2.47	N/A	●
					n83			703 - 748 MHz	N/A	52.18	N/A	2.75	N/A	●
					n84			1920 - 1980 MHz	N/A	50.64	N/A	2.72	N/A	●
		85	85	85	n85			698 - 716 MHz	728 - 746 MHz	49.48	53.34	2.63	2.74	●
					n86			1710 - 1780 MHz	N/A	36.40	N/A	2.73	N/A	●
		87	87	87				410 - 415 MHz	420 - 425 MHz	15.23	16.04	12.05	14.44	●

● 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	15.53	15.78	12.51	14.66	●
					n89			824 - 849 MHz	N/A	50.62	N/A	2.57	N/A	●
					n90	n90		2496 - 2690 MHz	2496 - 2690 MHz	44.20	44.20	2.72	2.72	●
					n91			832 - 862 MHz	1427 - 1432 MHz	48.72	8.28	2.47	11.12	●
					n92			832 - 862 MHz	1432 - 1517 MHz	48.72	17.19	2.47	10.32	●
					n93			880 - 915 MHz	1427 - 1432 MHz	41.58	8.28	1.75	11.12	●
					n94			880 - 915 MHz	1432 - 1517 MHz	41.58	17.19	1.75	10.32	●
					n95			2010 - 2025 MHz	N/A	57.14	N/A	2.95	N/A	●
					n97			2300 - 2400 MHz	N/A	41.34	N/A	1.59	N/A	●
					n98			1880 - 1920 MHz	N/A	45.94	N/A	2.16	N/A	●
					n99			1626.5 - 1660.5 MHz	N/A	31.58	N/A	3.26	N/A	●
1900					n101			1900 - 1910 MHz	1900 - 1910 MHz	46.32	46.32	2.08	2.08	●
		103		103				787 - 788 MHz	757 - 758 MHz	60.80	54.77	2.77	2.66	●
					n105			663 - 703 MHz	612 - 652 MHz	44.60	49.21	2.53	1.74	●
							n254	1610 - 1625.5 MHz	2483.5 - 2500 MHz	30.66	40.91	3.22	1.43	●
							n255	1626.5 - 1660.5 MHz	1525 - 1559 MHz	31.58	27.68	3.26	2.66	●
							n256	1980 - 2010 MHz	2170 - 2200 MHz	53.65	43.40	2.88	2.57	●

● 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	14.54	15.53	-2.62	●
ISM 868 MHz	863 - 870 MHz	45.91	2.10	4.88	●
ISM 915 MHz	902 - 928 MHz	38.20	1.45	4.66	●
ISM 2.4 GHz	2400 - 2500 MHz	36.87	1.44	6.35	●
Wi-Fi 2.4G	2401 - 2483 MHz	36.10	1.44	6.10	●
Wi-Fi 2.4G (USA)	2401 - 2473 MHz	35.67	1.44	6.08	●
Wi-Fi 2.4G (Japan)	2401 - 2495 MHz	36.67	1.44	6.28	●
Wi-Fi 5G (all channels)	5150 - 5990 MHz	52.59	2.80	4.41	●
Wi-Fi 5G (Ch 32-48)	5150 - 5250 MHz	63.78	1.75	3.34	●
Wi-Fi 5G (Ch 32-64)	5150 - 5330 MHz	60.96	1.94	3.49	●
Wi-Fi 5G (Ch 32-161)	5150 - 5815 MHz	54.00	2.56	4.41	●
Wi-Fi 5G (Ch 32-173)	5150 - 5875 MHz	53.65	2.78	4.41	●
ISM 5.8 GHz	5725 - 5875 MHz	51.34	2.78	4.15	●
UWB band 1	3168 - 3696 MHz	52.62	2.88	1.87	●
UWB band 2	3696 - 4224 MHz	55.29	2.79	4.54	●
UWB band 3	4224 - 4752 MHz	42.28	2.99	3.43	●
UWB band 4	4752 - 5280 MHz	51.66	2.07	3.52	●
UWB band 5	5280 - 5808 MHz	51.90	2.53	4.41	●

● 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.

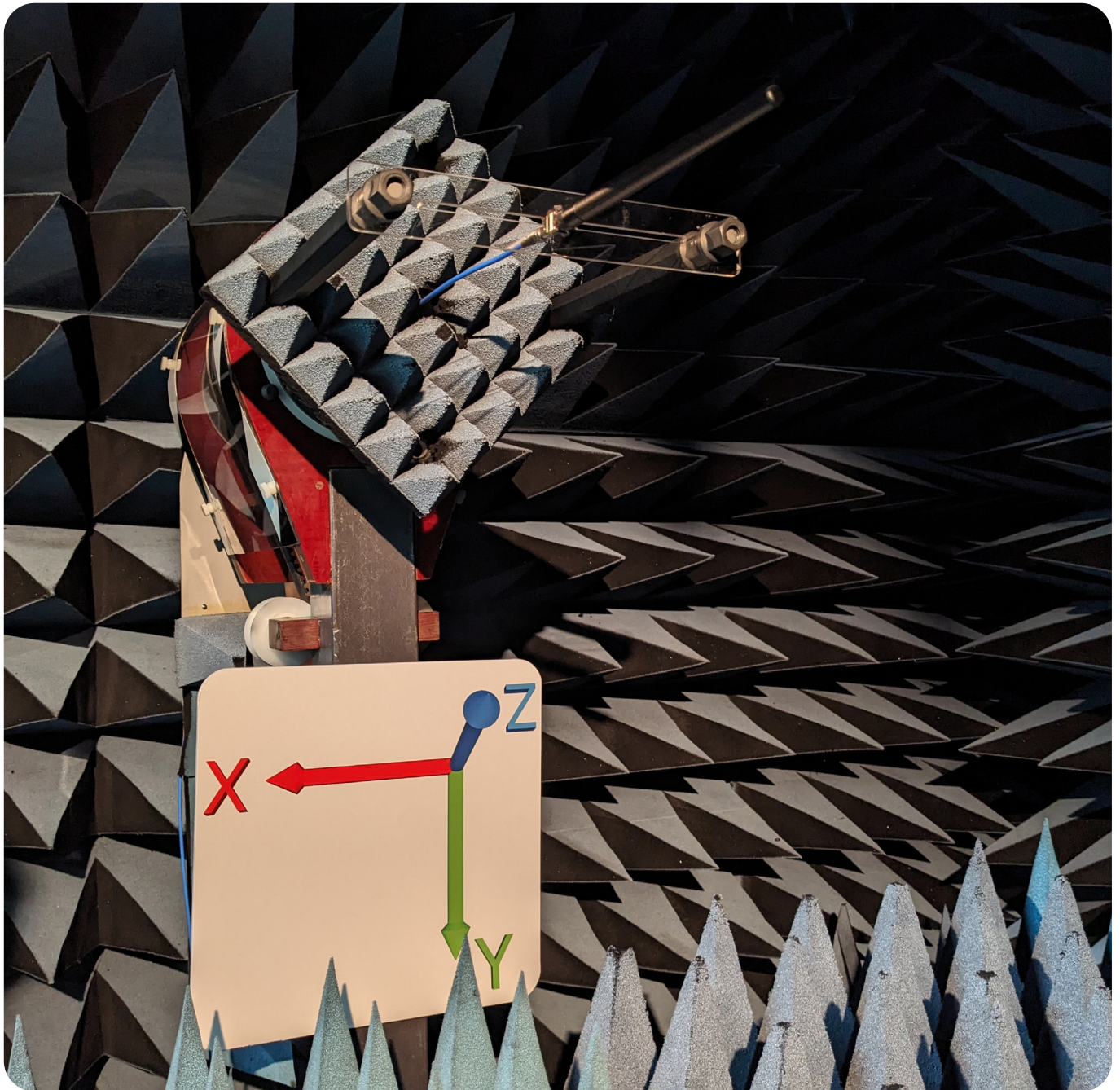
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Test Setup (in Free Space)

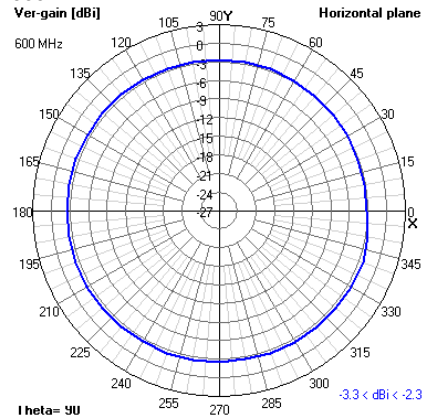


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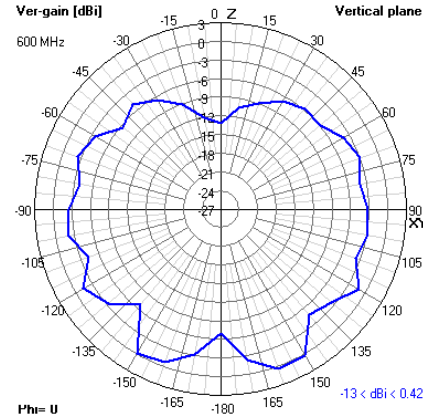
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2D Radiation Plots

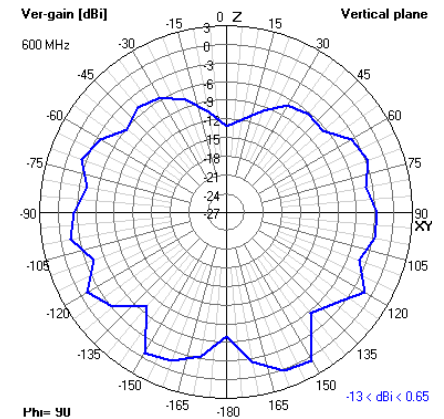
600 MHz XY



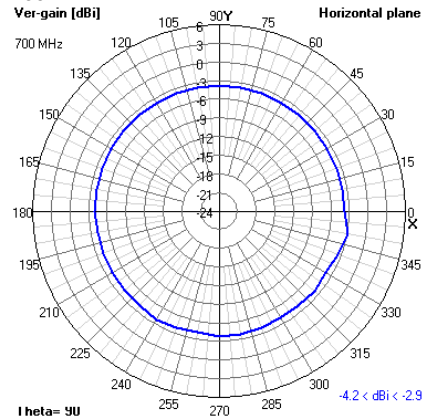
XZ



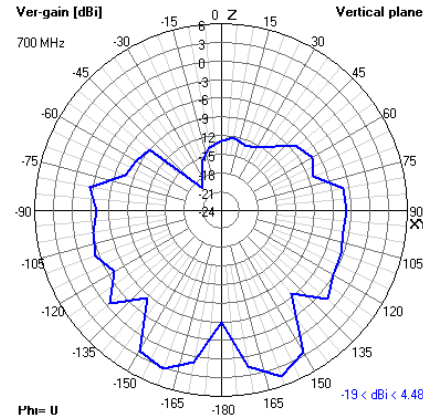
YZ



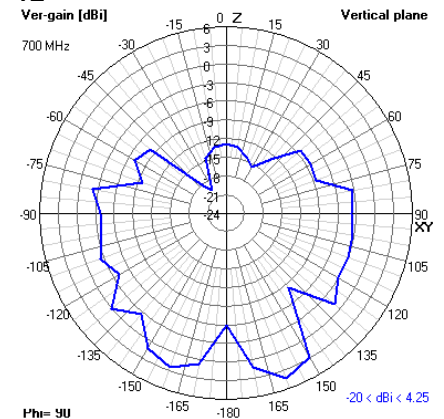
700 MHz XY



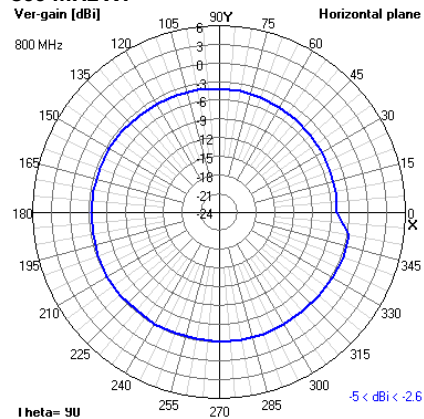
XZ



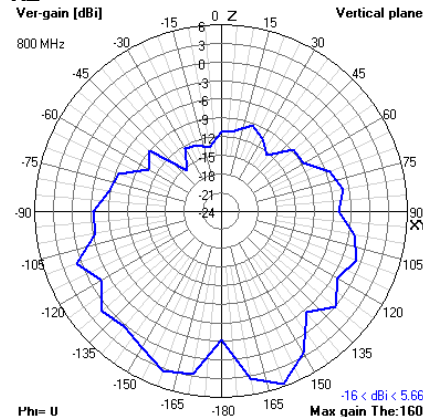
YZ



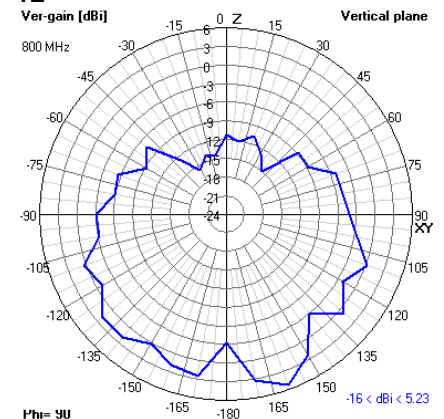
800 MHz XY



XZ



YZ



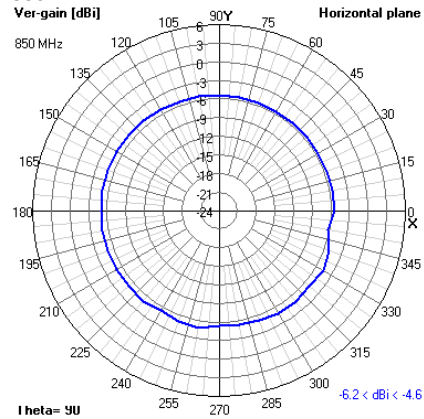


Delta 52 Datasheet

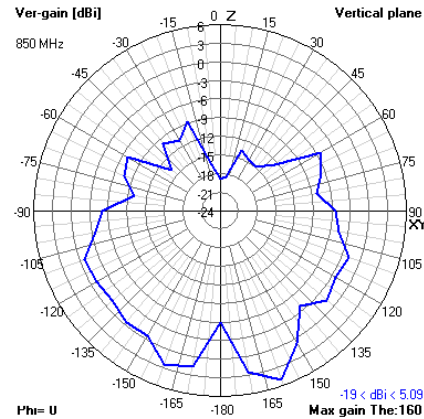
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

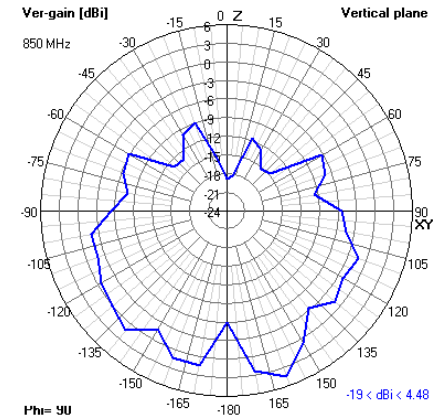
850 MHz XY



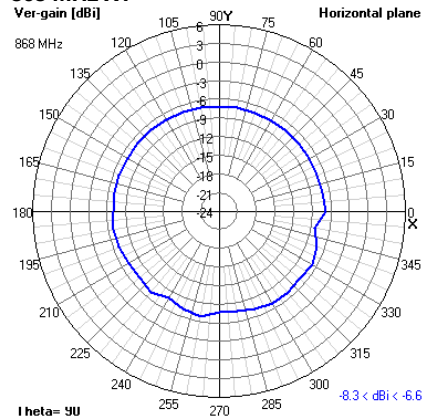
XZ



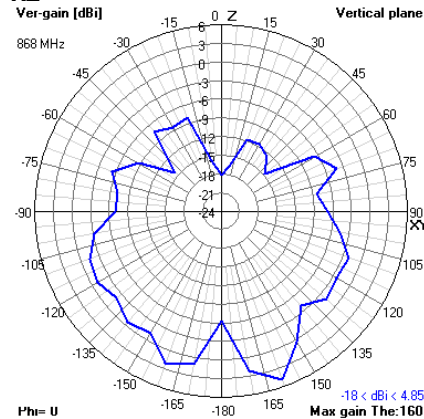
YZ



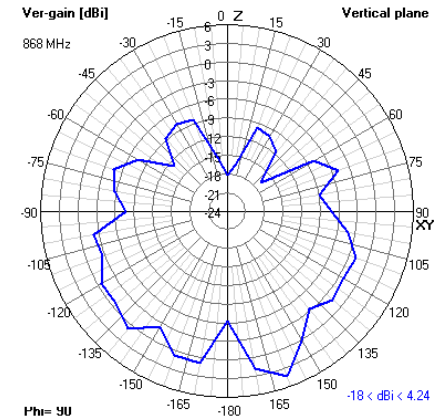
868 MHz XY



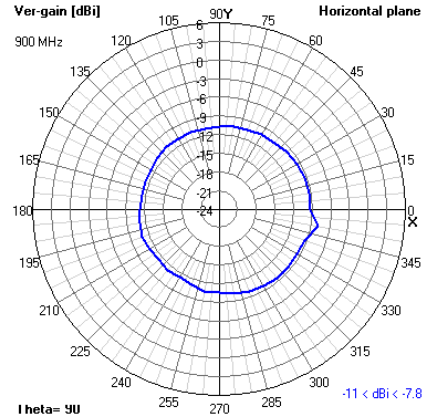
XZ



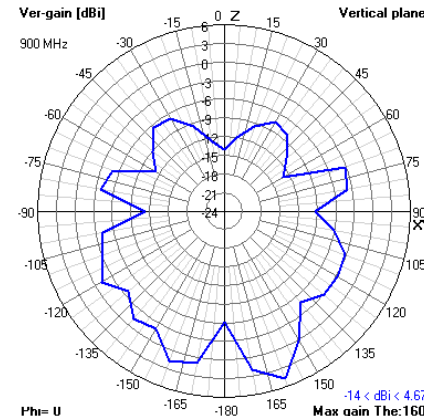
YZ



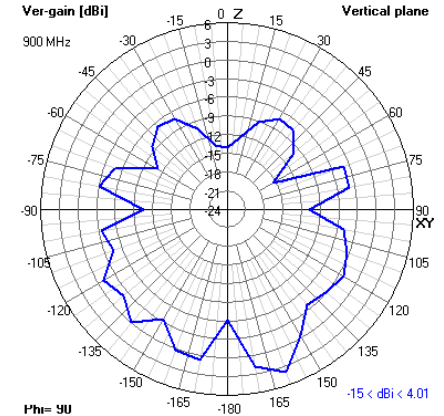
900 MHz XY



XZ



YZ



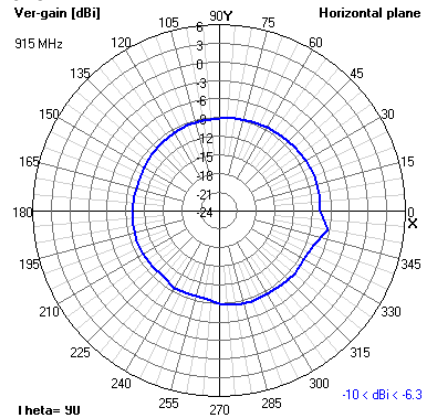


Delta 52 Datasheet

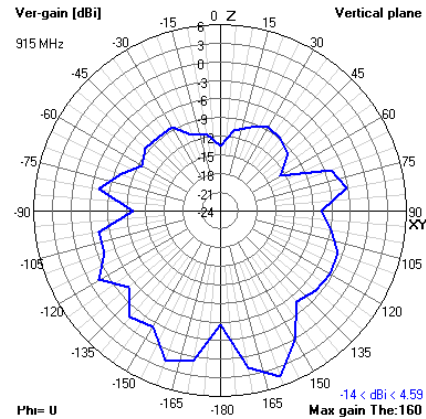
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

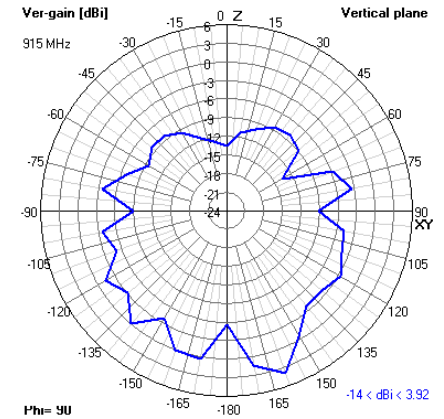
915 MHz XY



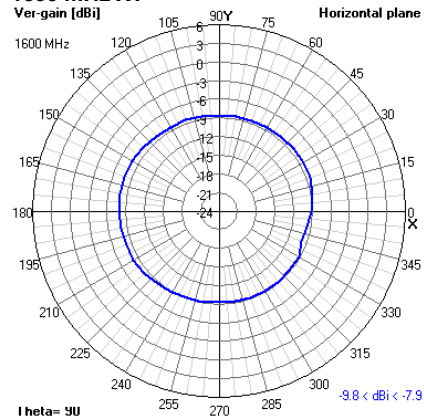
XZ



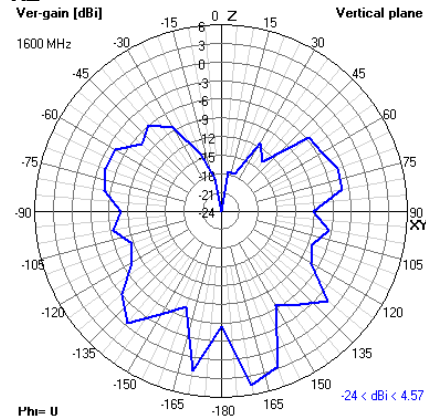
YZ



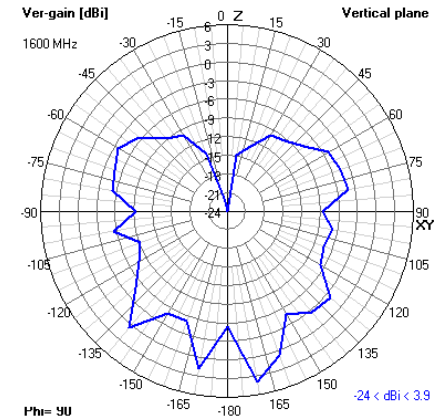
1600 MHz XY



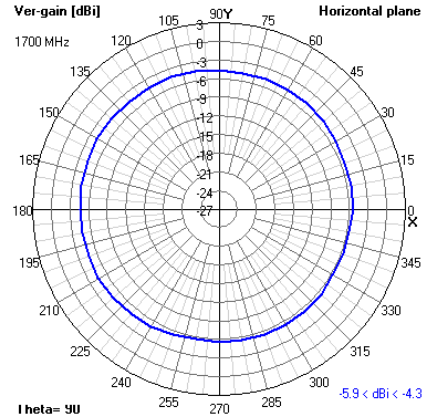
XZ



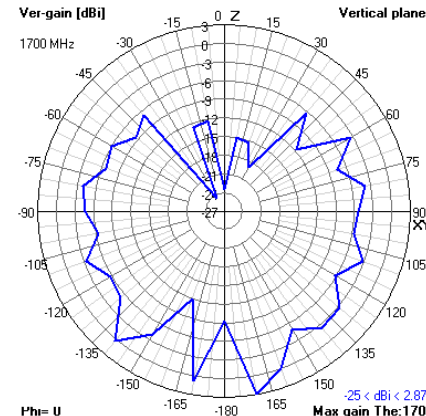
YZ



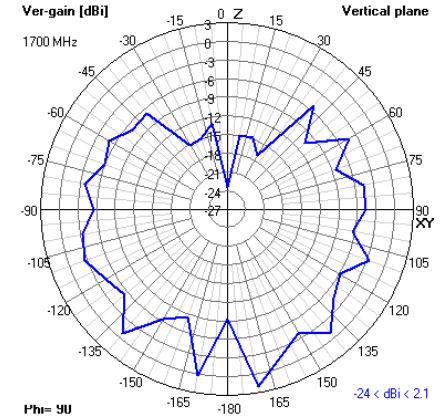
1700 MHz XY



XZ



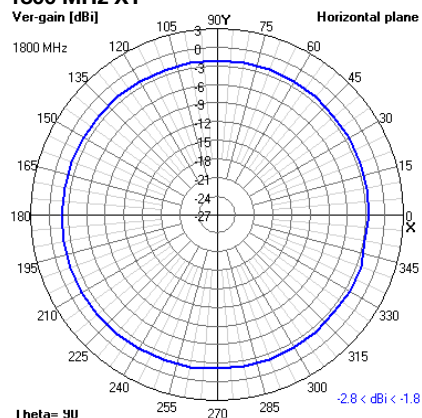
YZ



IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

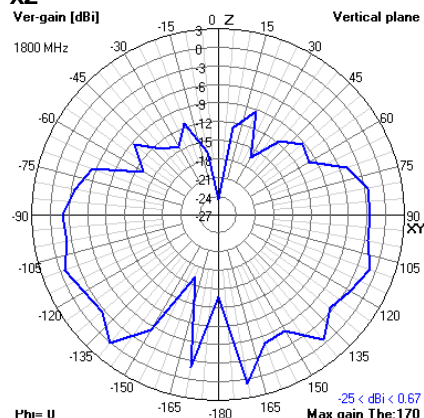
1800 MHz XY

Ver-gain [dBi]



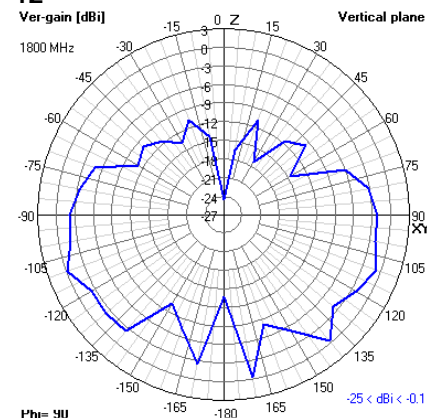
XZ

Ver-gain [dBi]



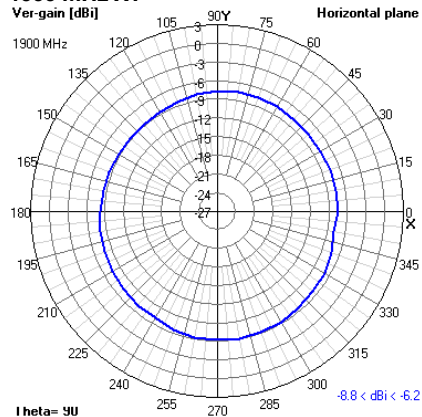
YZ

Ver-gain [dBi]



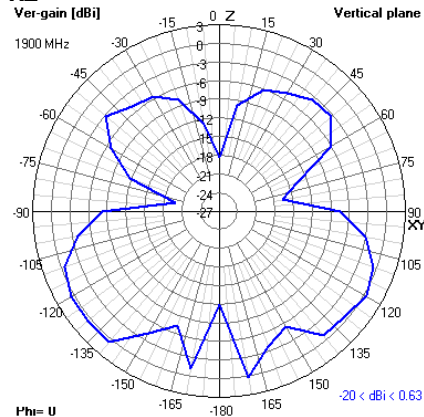
1900 MHz XY

Ver-gain [dBi]



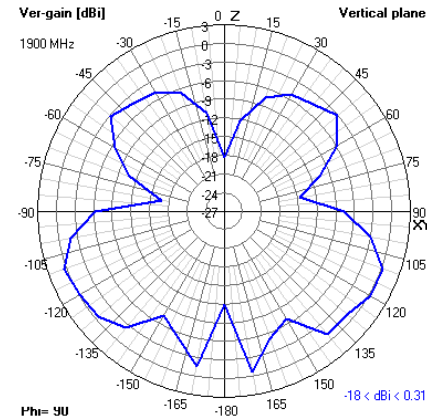
XZ

Ver-gain [dBi]



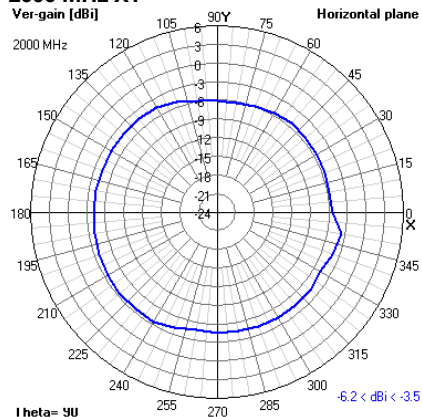
YZ

Ver-gain [dBi]



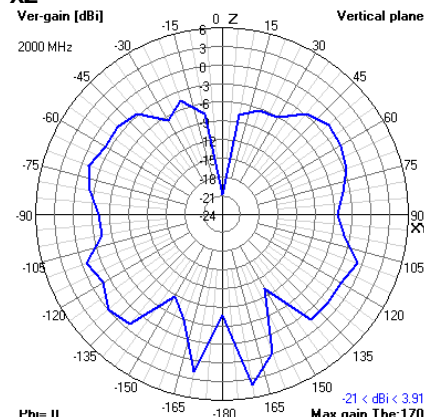
2000 MHz XY

Ver-gain [dBi]



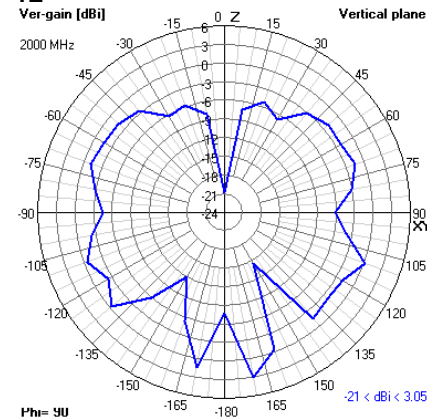
XZ

Ver-gain [dBi]



YZ

Ver-gain [dBi]



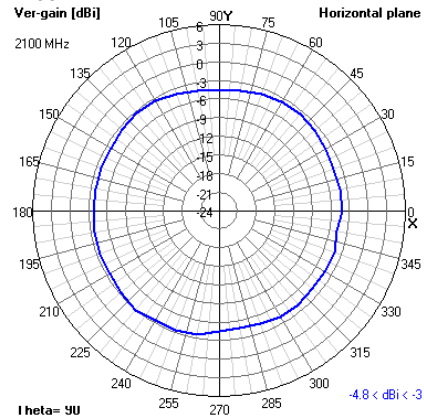


Delta 52 Datasheet

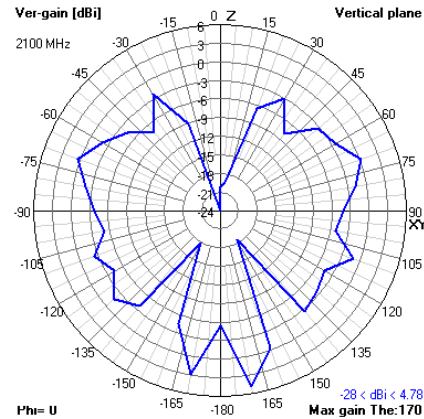
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

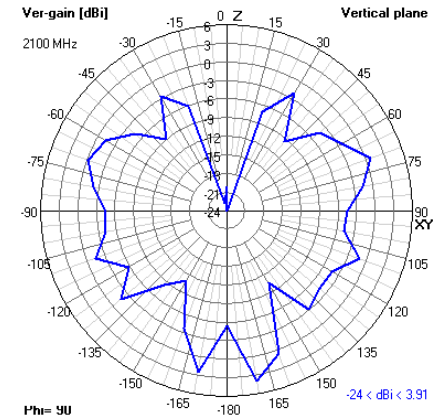
2100 MHz XY



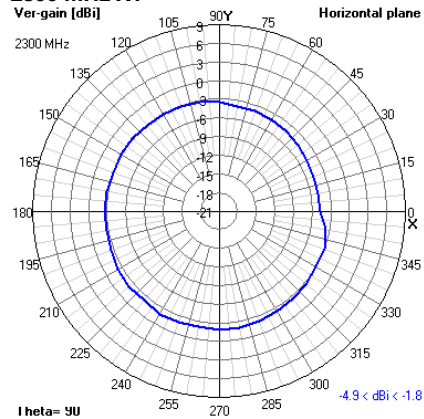
XZ



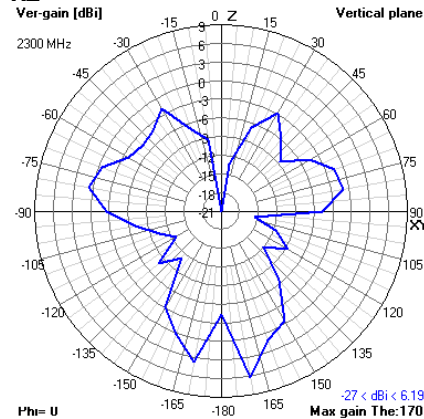
YZ



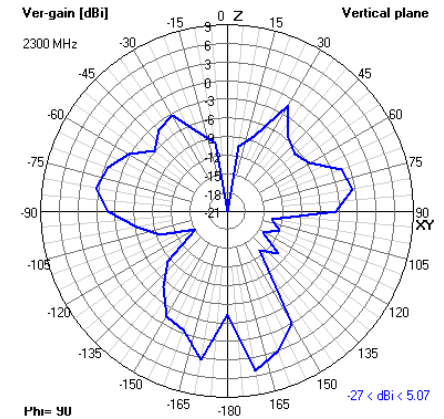
2300 MHz XY



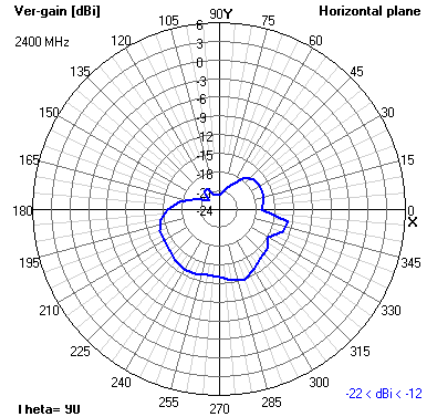
XZ



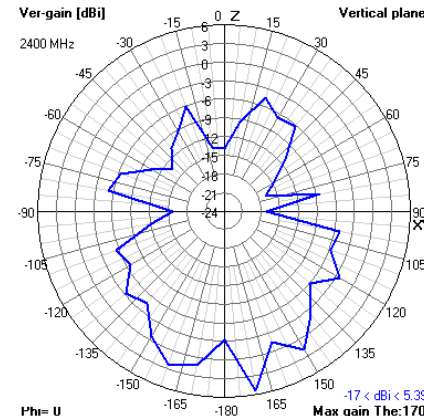
YZ



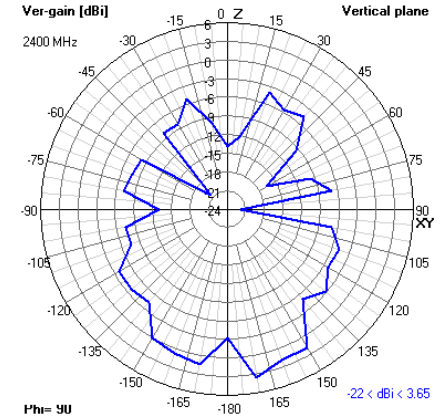
2400 MHz XY



XZ



YZ



IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2437 MHz XY

Ver-gain [dBi]	100	90	80	Horizontal plane
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Ver-gain [dBi]	15	0	7	15	Vertical plane



Ver-gain [dBi]	-15	0	7	15	Vertical plane
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Ver-gain [dBi]	105	90Y	75	Horizontal plane
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Ver-gain [dBi] -15 0 15 Vertical plane



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



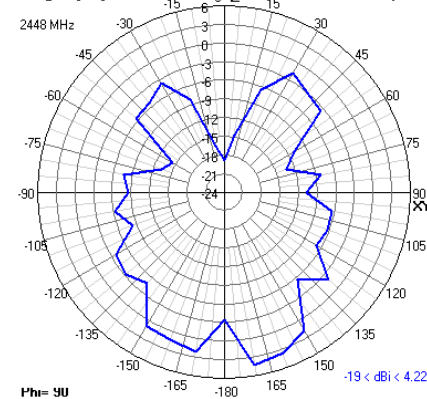
Ver-gain [dBi]	105	90Y	75	Horizontal plane
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Ver-gain [dBi] 15 0 15 Vertical plane



Ver-gain [dBi] 15 0 15 Vertical plane



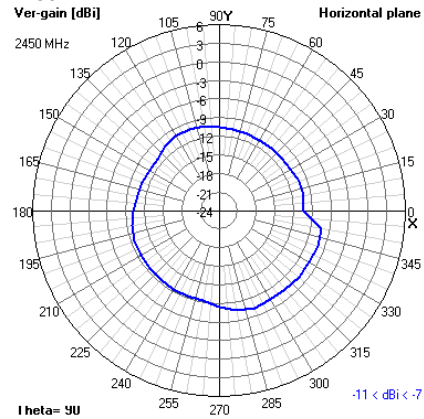


Delta 52 Datasheet

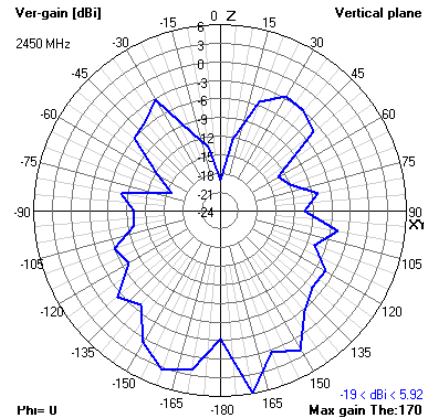
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

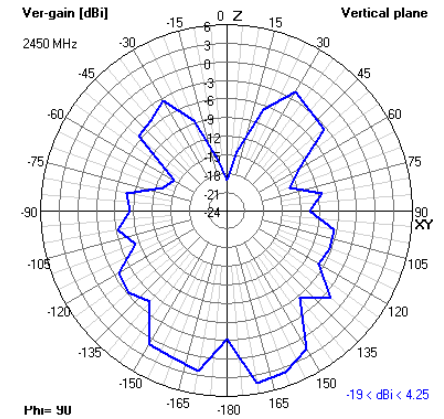
2450 MHz XY



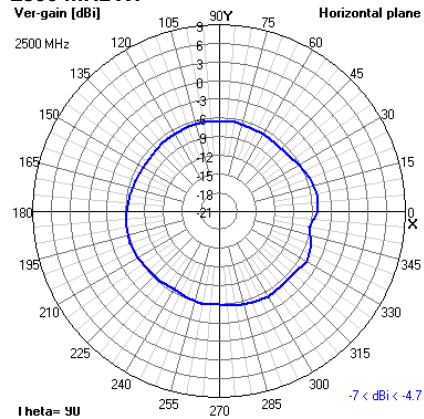
XZ



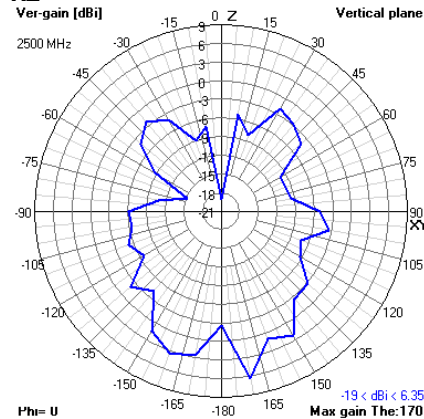
YZ



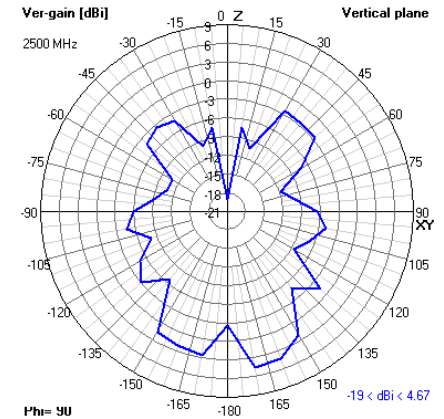
2500 MHz XY



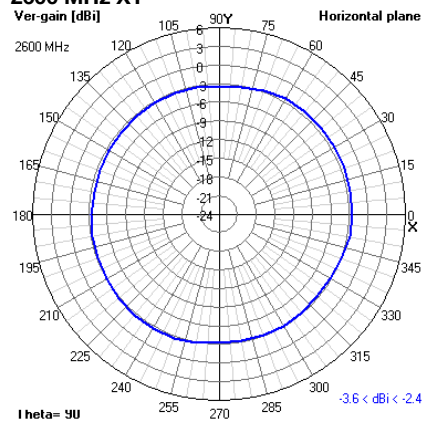
XZ



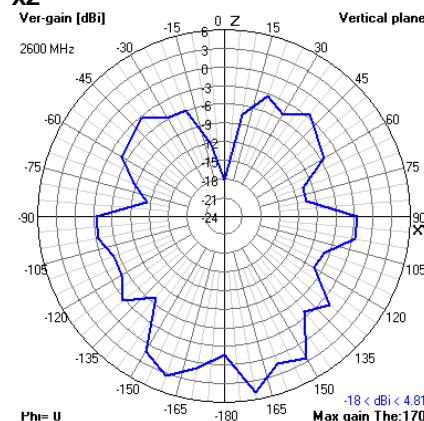
YZ



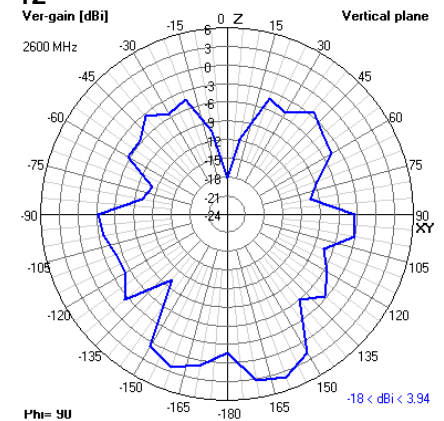
2600 MHz XY



XZ



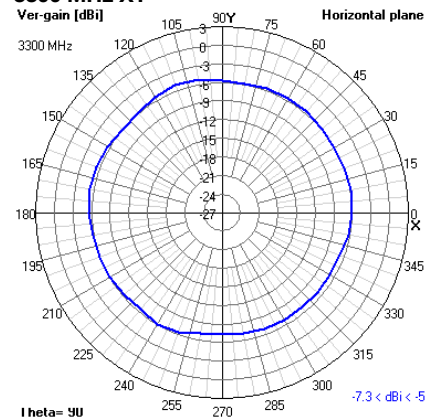
YZ



IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

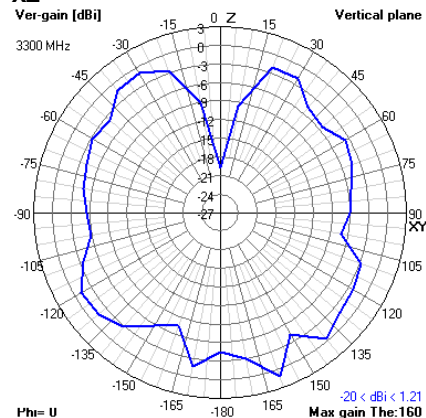
3300 MHz XY

Ver-gain [dBi]



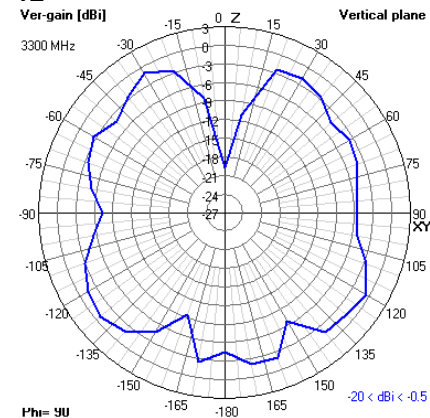
XZ

Ver-gain [dBi]



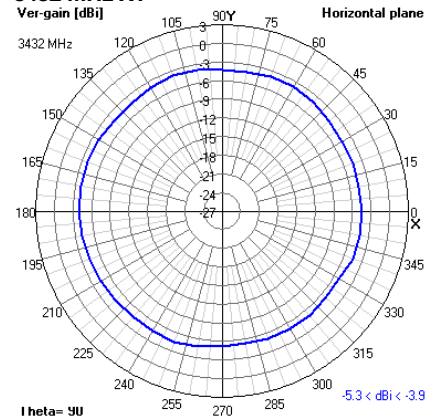
YZ

Ver-gain [dBi]



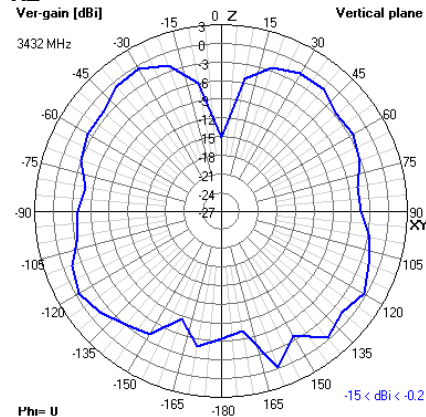
3432 MHz XY

Ver-gain [dBi]



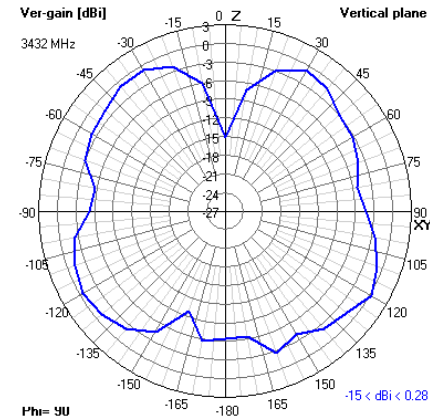
XZ

Ver-gain [dBi]



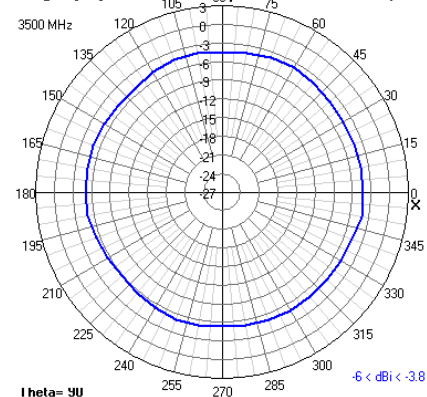
YZ

Ver-gain [dBi]



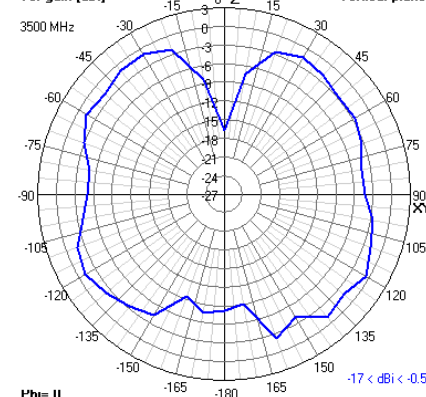
3500 MHz XY

Ver-gain [dBi]



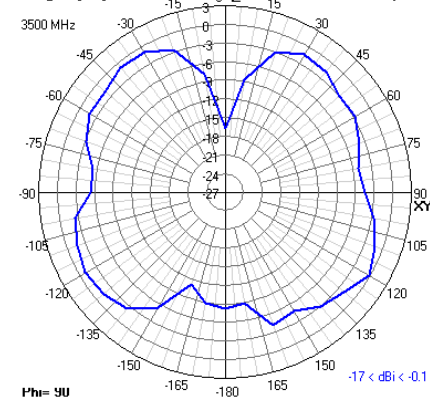
XZ

Ver-gain [dBi]



YZ

Ver-gain [dBi]



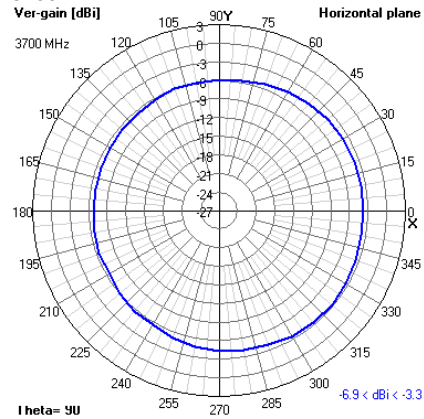


Delta 52 Datasheet

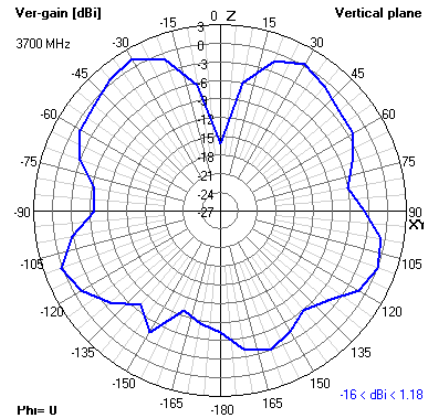
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

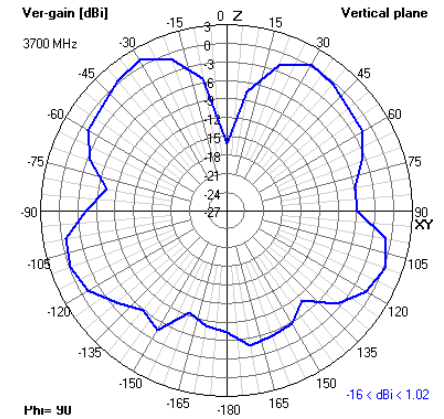
3700 MHz XY



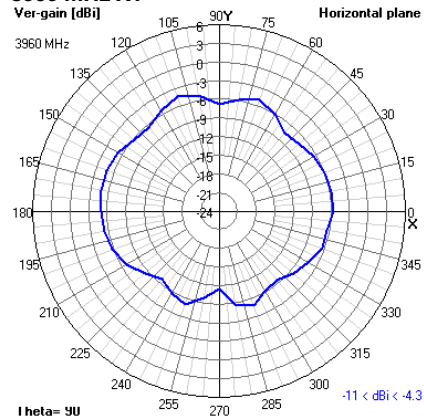
XZ



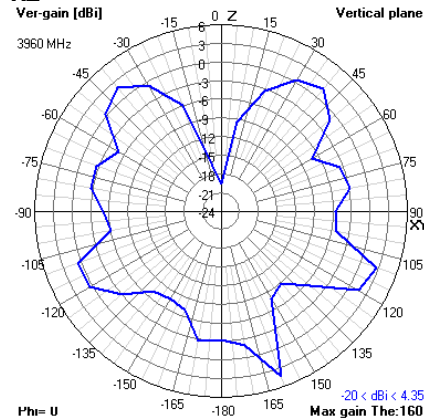
YZ



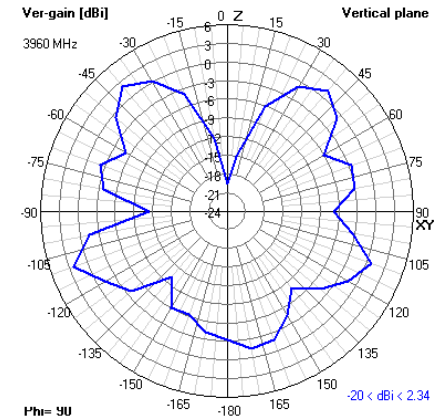
3960 MHz XY



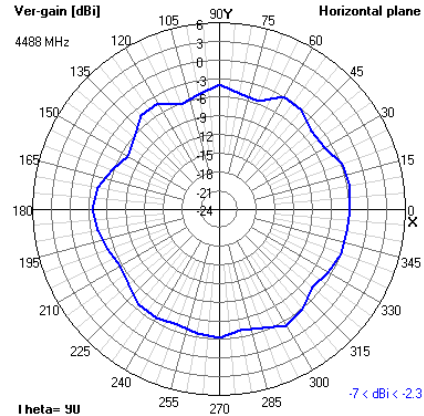
XZ



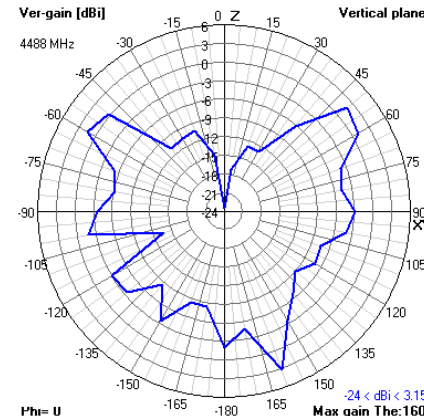
YZ



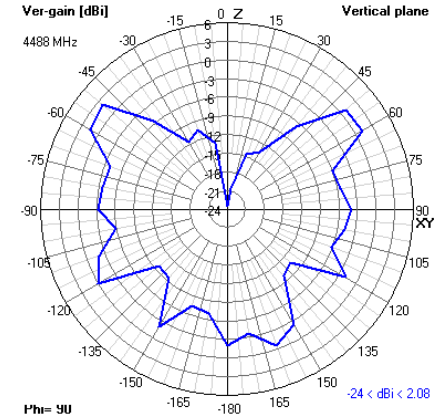
4488 MHz XY



XZ



YZ



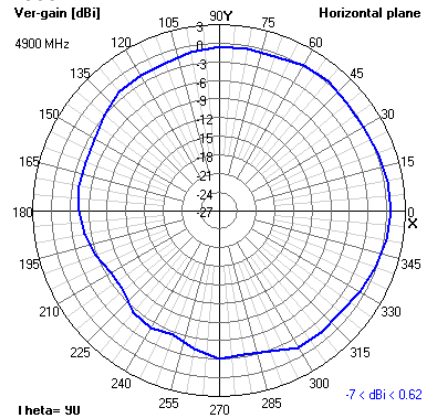


Delta 52 Datasheet

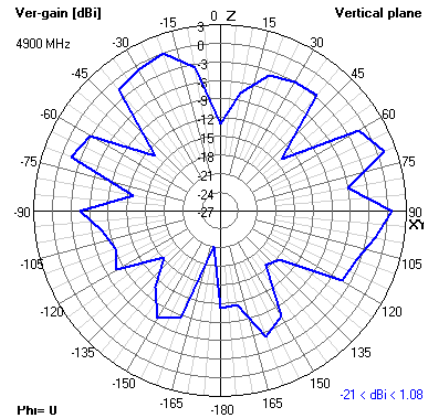
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

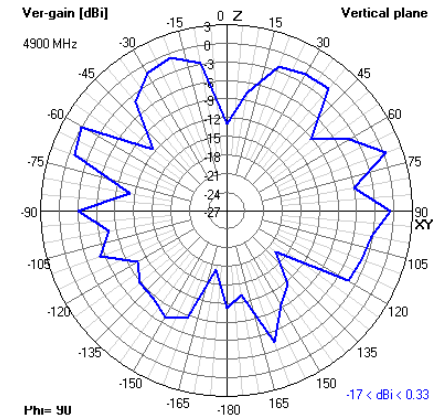
4900 MHz XY



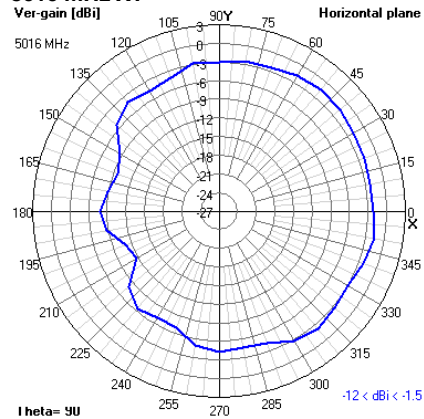
XZ



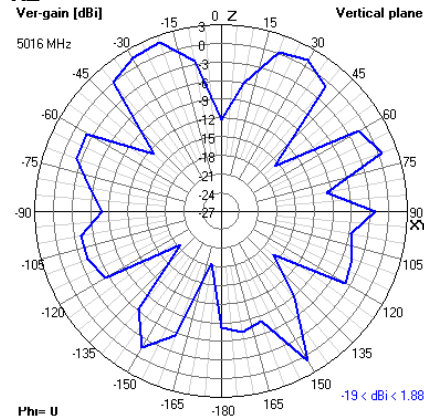
YZ



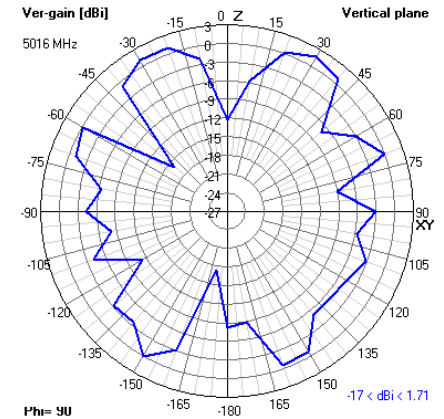
5016 MHz XY



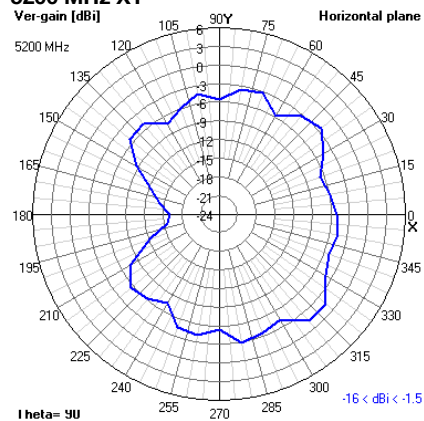
XZ



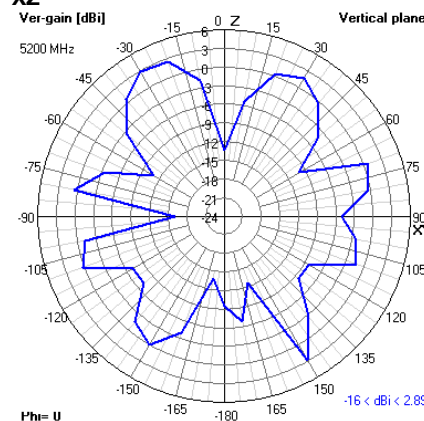
YZ



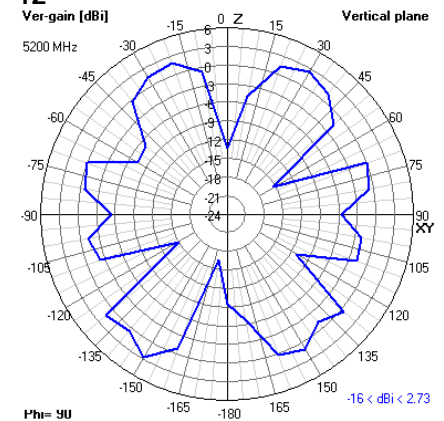
5200 MHz XY



XZ



YZ



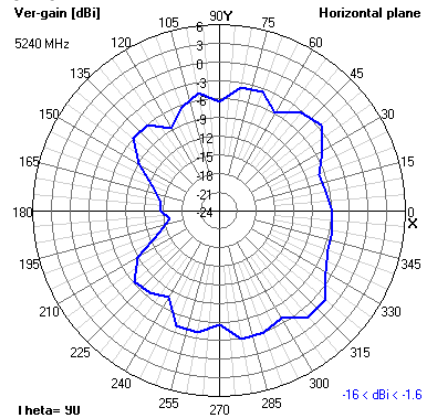


Delta 52 Datasheet

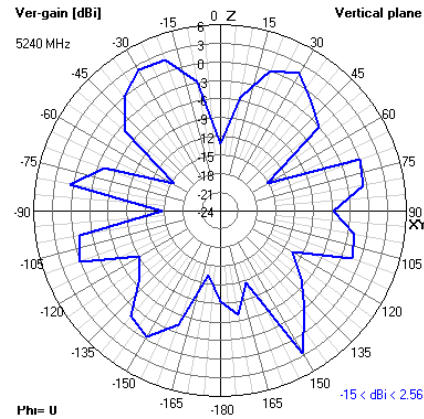
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

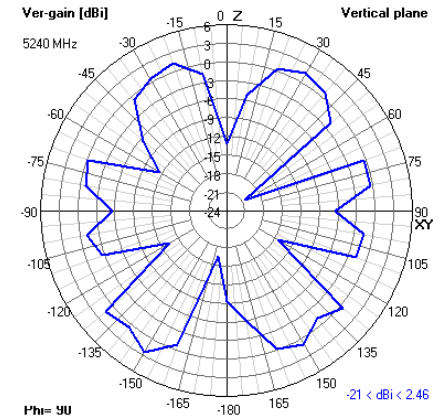
5240 MHz XY



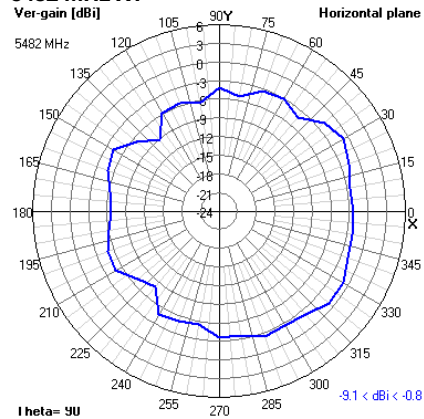
XZ



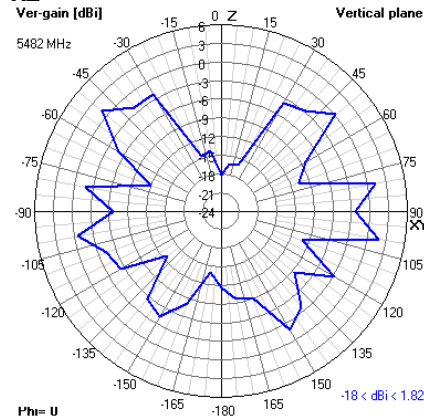
YZ



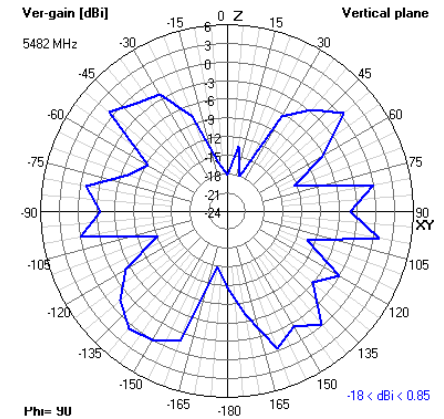
5482 MHz XY



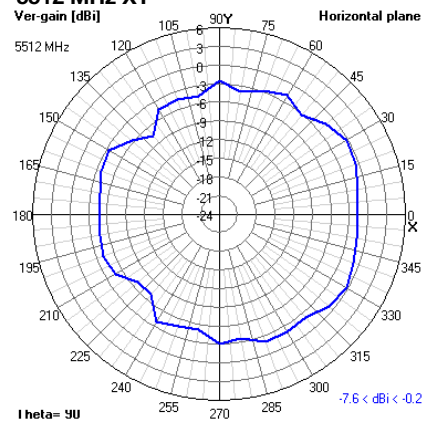
XZ



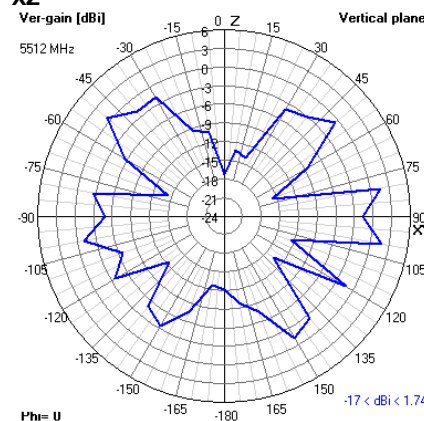
YZ



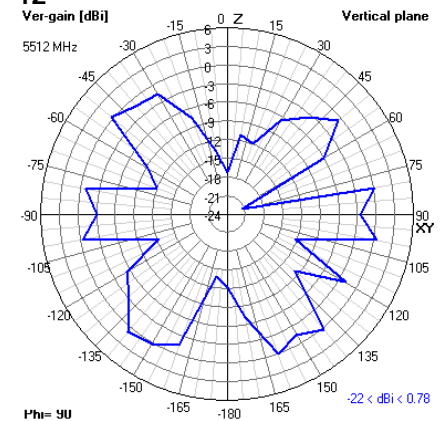
5512 MHz XY



XZ



YZ



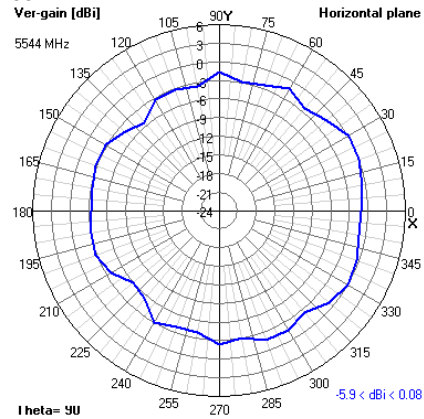


Delta 52 Datasheet

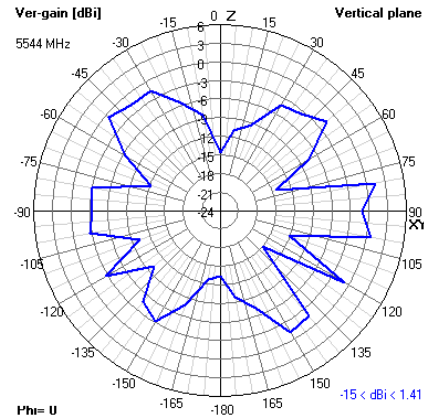
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

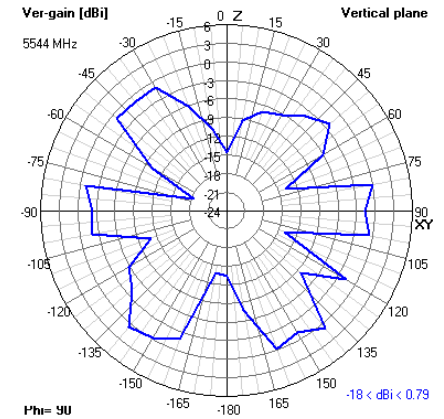
5544 MHz XY



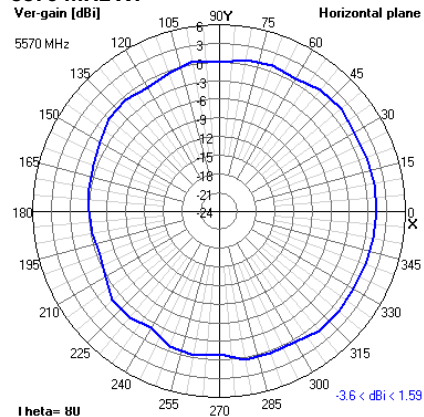
XZ



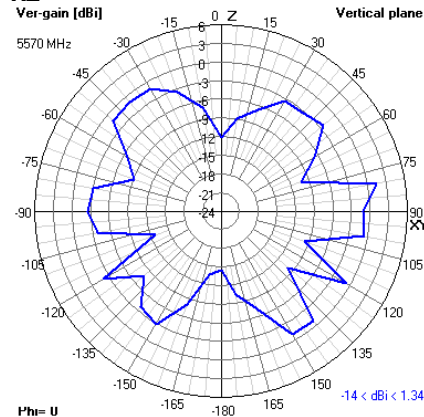
YZ



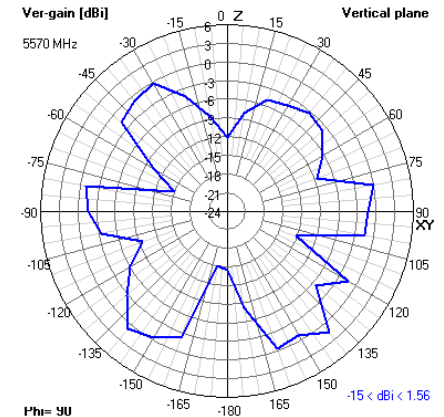
5570 MHz XY



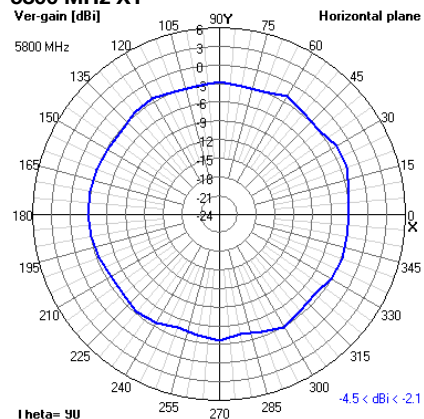
XZ



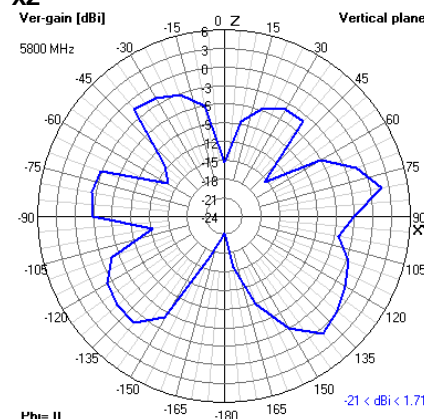
YZ



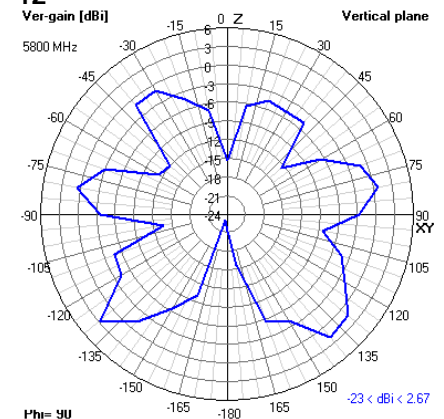
5800 MHz XY



XZ



YZ



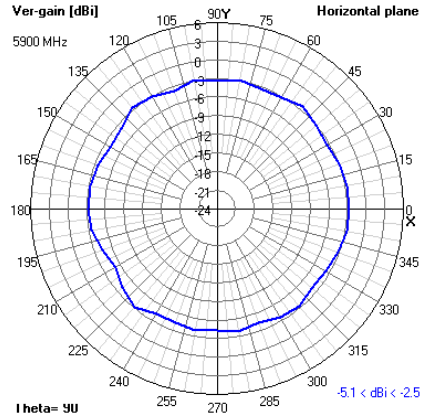


Delta 52 Datasheet

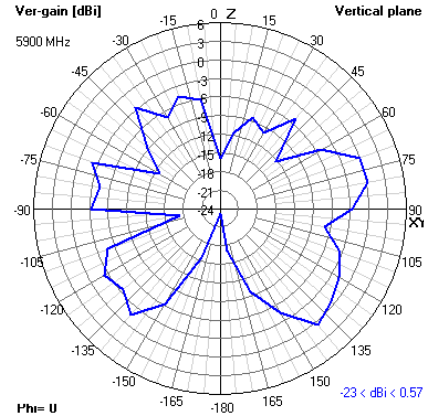
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

2D Radiation Plots

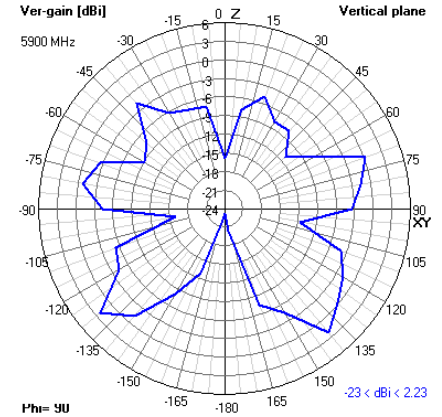
5900 MHz XY



XZ



YZ



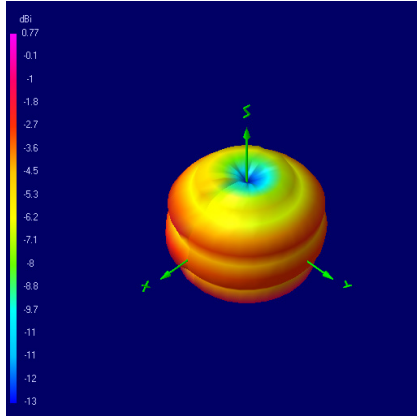


Delta 52 Datasheet

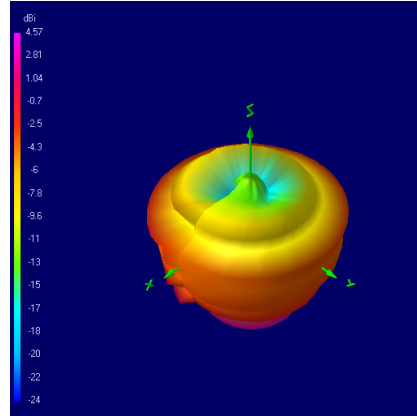
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

3D Radiation Plots

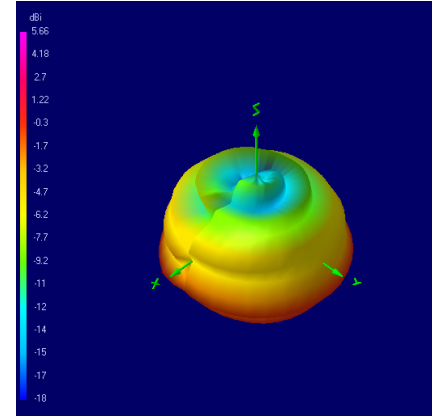
600 MHz



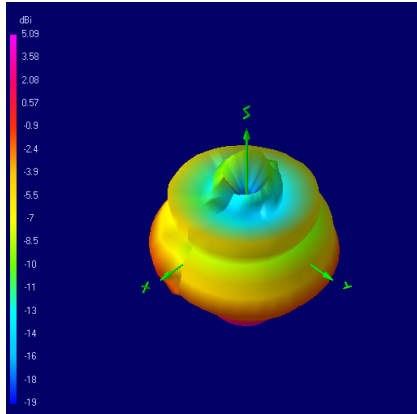
700 MHz



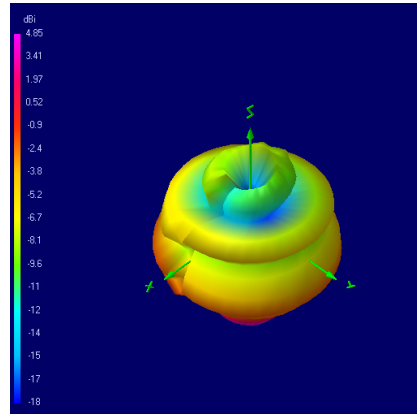
800 MHz



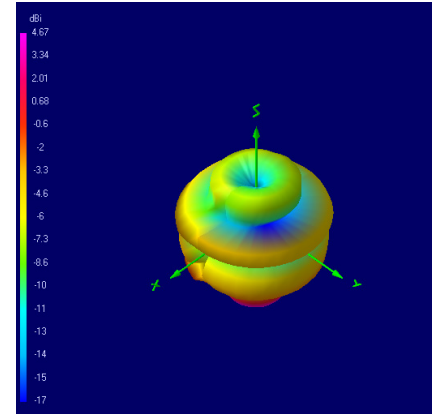
850 MHz



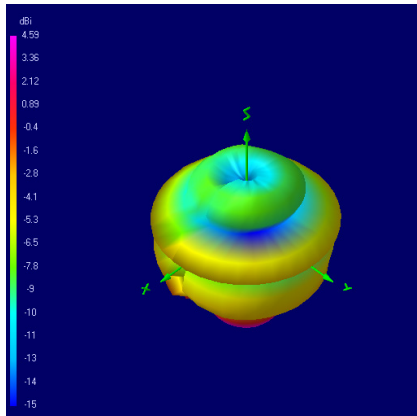
868 MHz



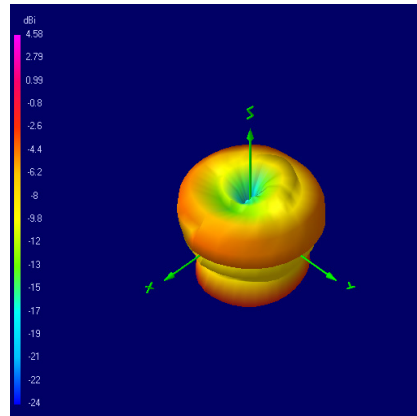
900 MHz



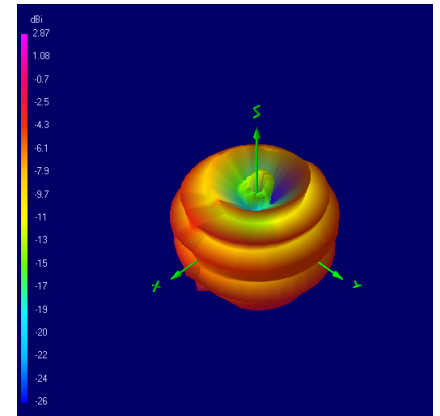
915 MHz



1600 MHz



1700 MHz



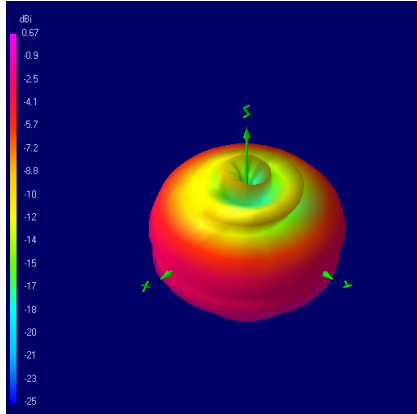


Delta 52 Datasheet

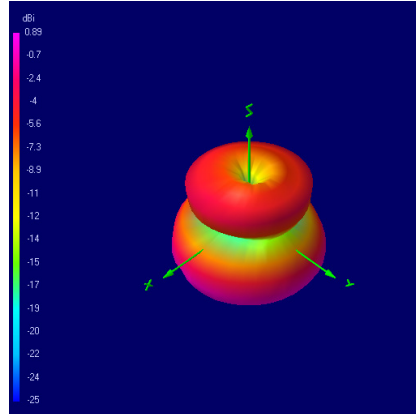
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

3D Radiation Plots

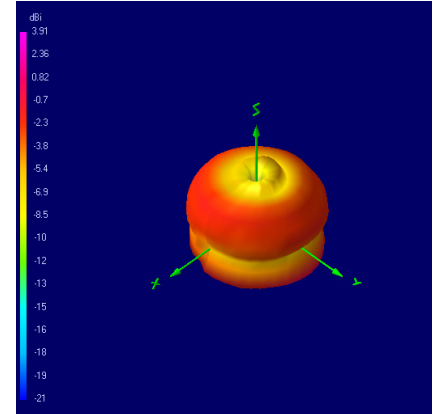
1800 MHz



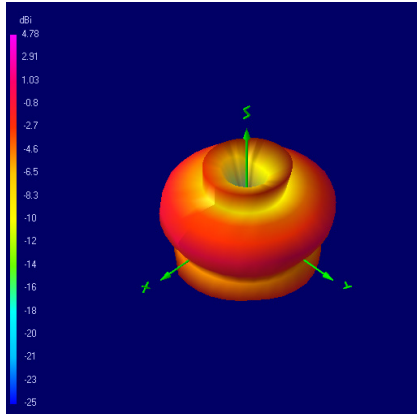
1900 MHz



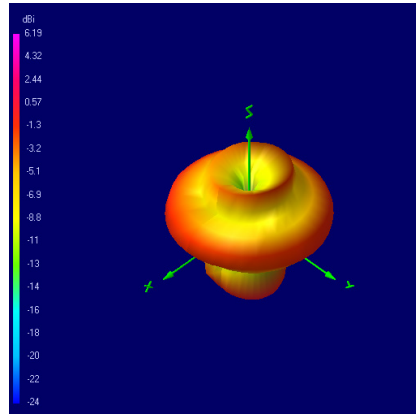
2000 MHz



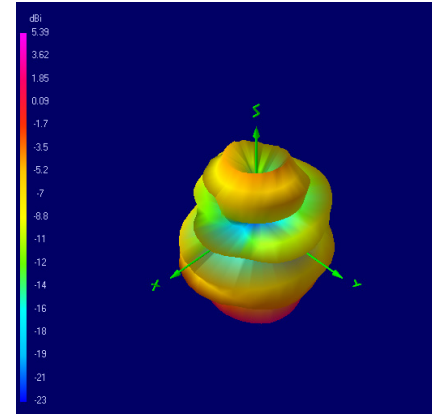
2100 MHz



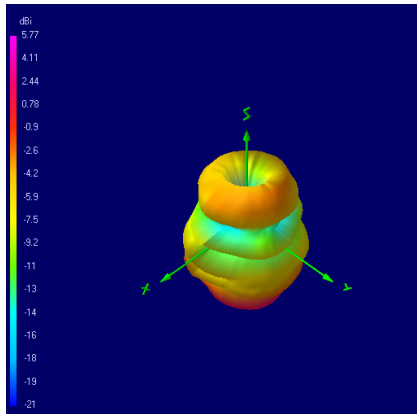
2300 MHz



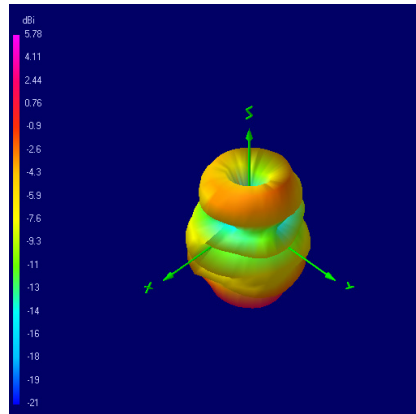
2400 MHz



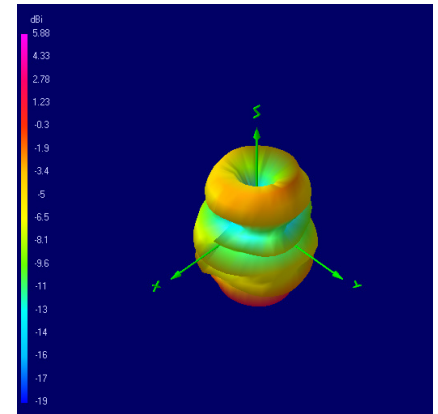
2437 MHz



2442 MHz



2448 MHz



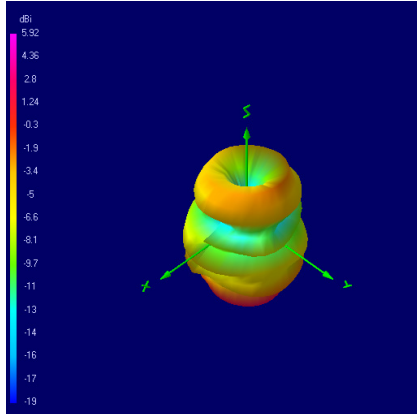


Delta 52 Datasheet

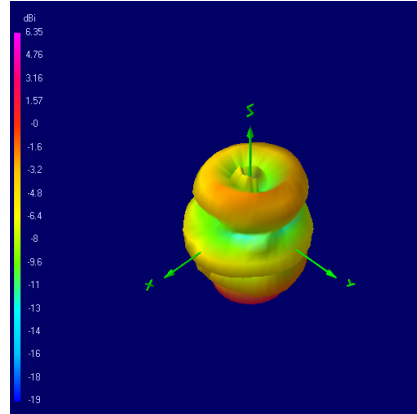
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

3D Radiation Plots

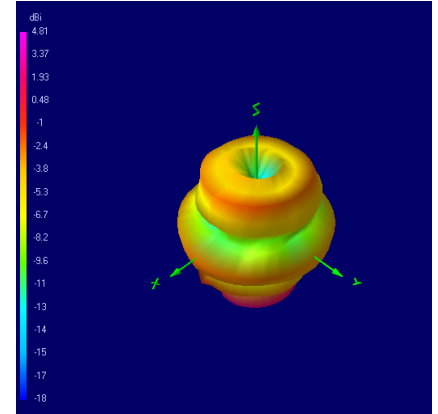
2450 MHz



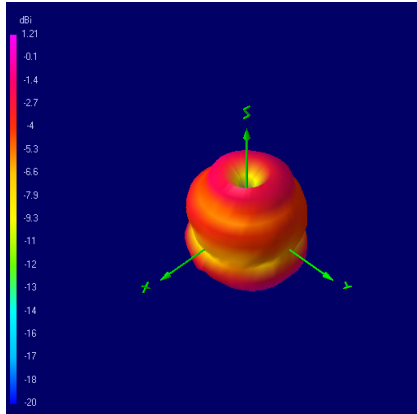
2500 MHz



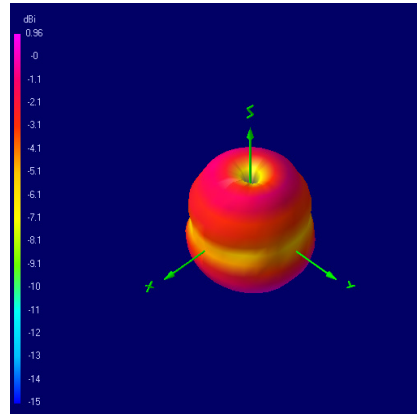
2600 MHz



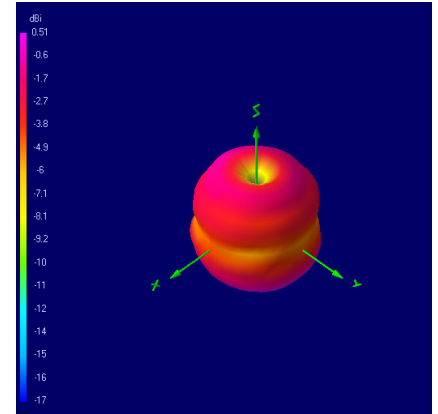
3300 MHz



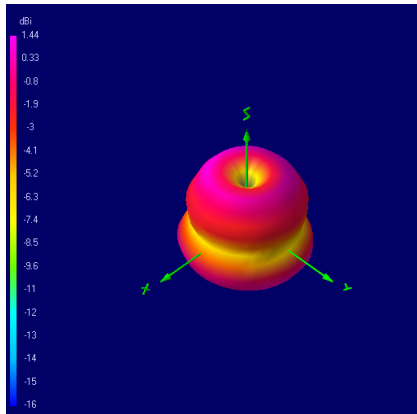
3432 MHz



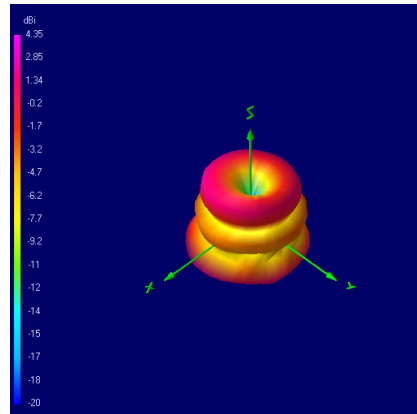
3500 MHz



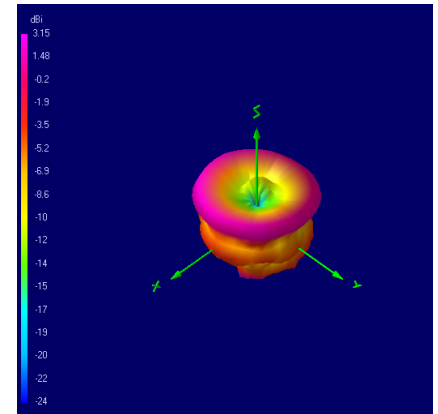
3700 MHz



3960 MHz



4488 MHz



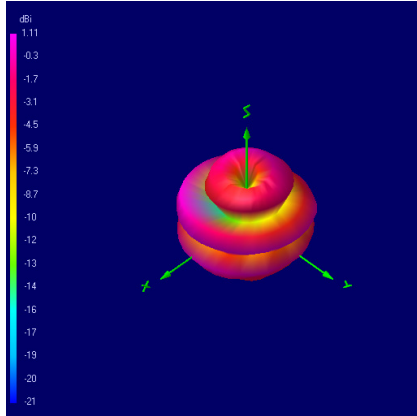


Delta 52 Datasheet

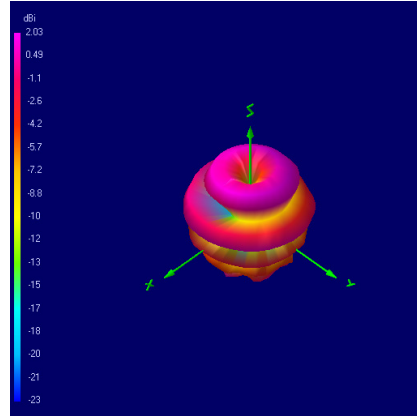
IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

3D Radiation Plots

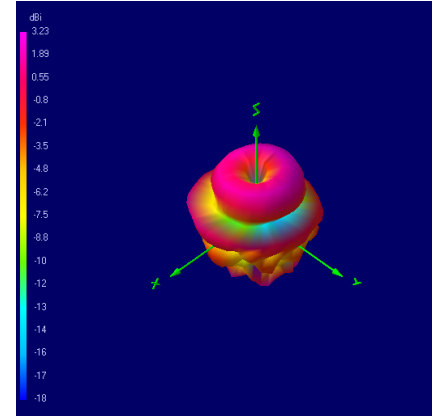
4900 MHz



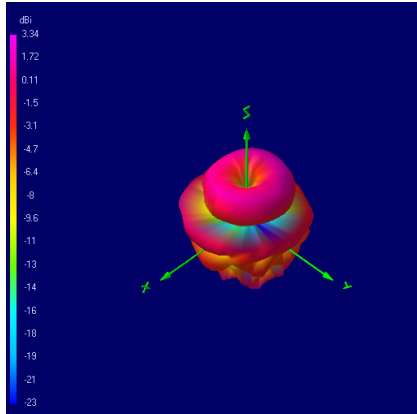
5016 MHz



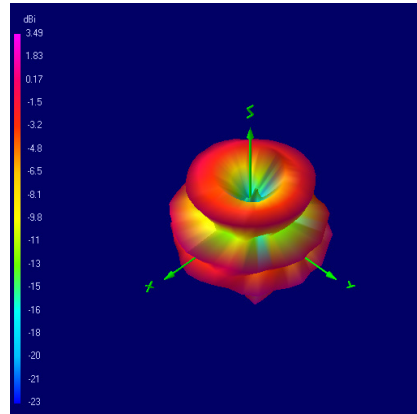
5200 MHz



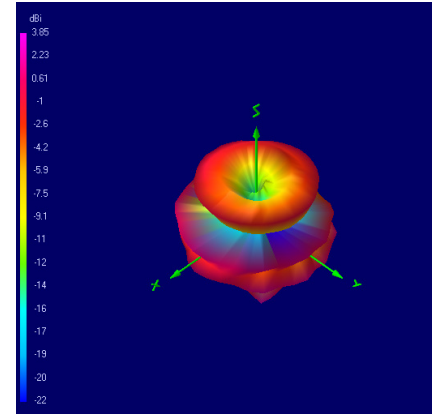
5240 MHz



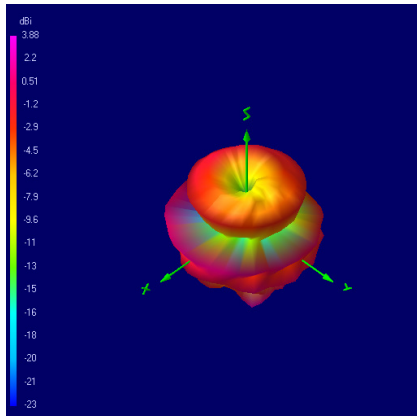
5482 MHz



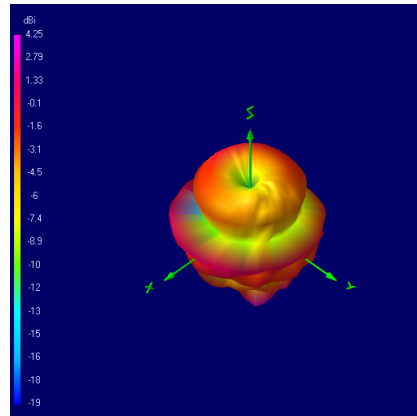
5512 MHz



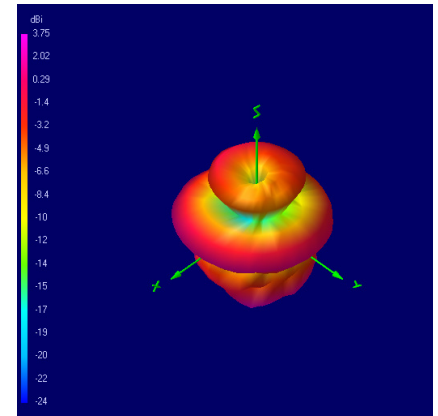
5544 MHz



5570 MHz



5800 MHz



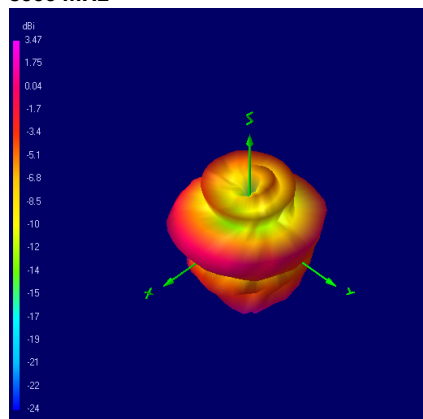


Delta 52 Datasheet

IP67 Hinged Wideband 5G/4G Terminal Mount Antenna

3D Radiation Plots

5900 MHz



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

Ordering Details:

Part Number	Description
DELTA52/X/SMAM/S/S/32	IP67 High Gain Wideband Hinged Monopole Antenna for 600–6000 MHz SMA Male Connector

