

## Delta 56

IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna



### General Description

The Delta 56 is a compact, blade-style antenna designed for wideband coverage across a broad frequency range of 600 MHz to 6000 MHz. The antenna is ideal for applications that demand reliable performance across various wireless technologies, with primary support for 5G NR, LTE, UMTS, and GSM.

With an IP67 rating, the Delta 56 is sealed against water and dust ingress, making it suitable for both indoor and outdoor mounting applications.

Sold with an SMA male connector as standard, this antenna features a swivel knuckle design that enables flexible positioning, allowing the antenna to be oriented at straight, 45°, or 90° angles, with 360° rotation to help achieve optimal signal alignment.

### Key Features

- Supports 5G NR / 4G LTE / 3G UMTS/ 2G Quad-band GSM
- Supports both LTE Cat M and LTE Cat NB-IoT
- Covers a wideband range from 600 MHz to 6000 MHz
- Hinged tilt/swivel joint for optimal signal alignment
- SMA (male) connector
- IP67 rated housing for outdoor and harsh environments

### Additional Considerations

- Omnidirectional dipole
- Ground Plane independent

### Typical Applications

- IoT and LPWAN for asset tracking, agriculture, and monitoring
- Building and perimeter security for LTE/5G-connected cameras
- Networking gateways
- Industrial wireless equipment
- Smart metering enclosures
- Ruggedised communication terminals
- Telemetry and control systems

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	BLE Bluetooth	ZB Zigbee	Z Wave
LoRa Wireless	SF Sigfox	UWB Ultra-Wideband	IP 67	



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### Electrical Specifications

Frequency range:	600-960 MHz, 1600-6000 MHz
Impedance:	50 $\Omega$
Polarisation:	Vertical
Average peak gain:	3.5 dBi
Peak gain:	6.9 dBi
Average spherically integrated total gain:	600-960 MHz: -3.50 dBi 1600-6000 MHz: -2.17 dBi
Efficiency:	60%
VSWR:	<2.5
Input power:	50 W
Number of ports:	1
Directionality:	Omni-directional
Ground plane independent:	Yes

### Environmental Specifications

IP rating:	IP67
Operating temperature range:	-30°C to +70°C
Storage temperature range:	-30°C to +70°C

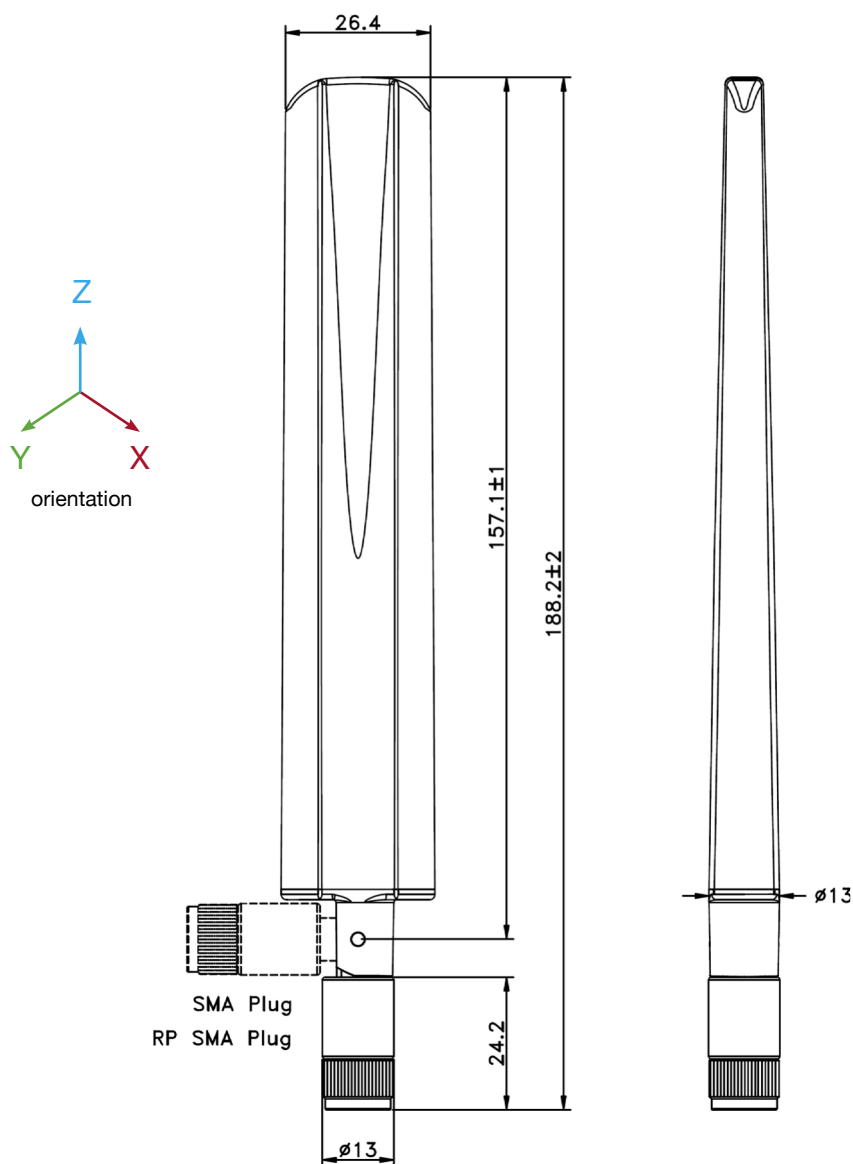
### Mechanical Specifications

Colour options:	Black
Cable lengths:	NA#
Connector options:	SMA Male
Dimensions:	Ø 188 mm (Straight) x 27 mm x 13 mm
Weight:	25.5 g
Mounting method:	Direct connect
Housing materials:	ABS Black

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### Dimensional Drawing

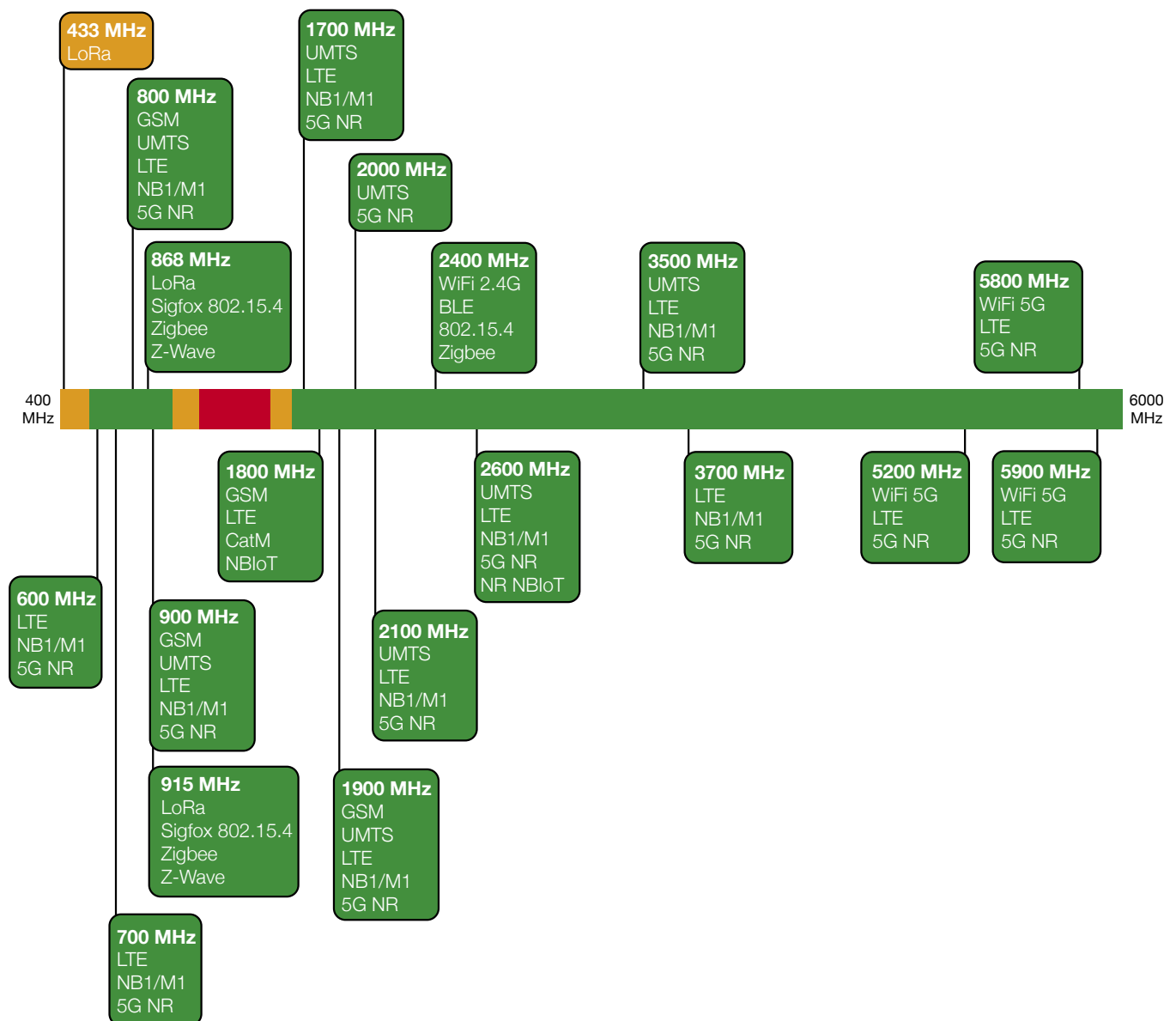




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### Spectrum Coverage



● Suitable band

● Adequate band in good signal conditions

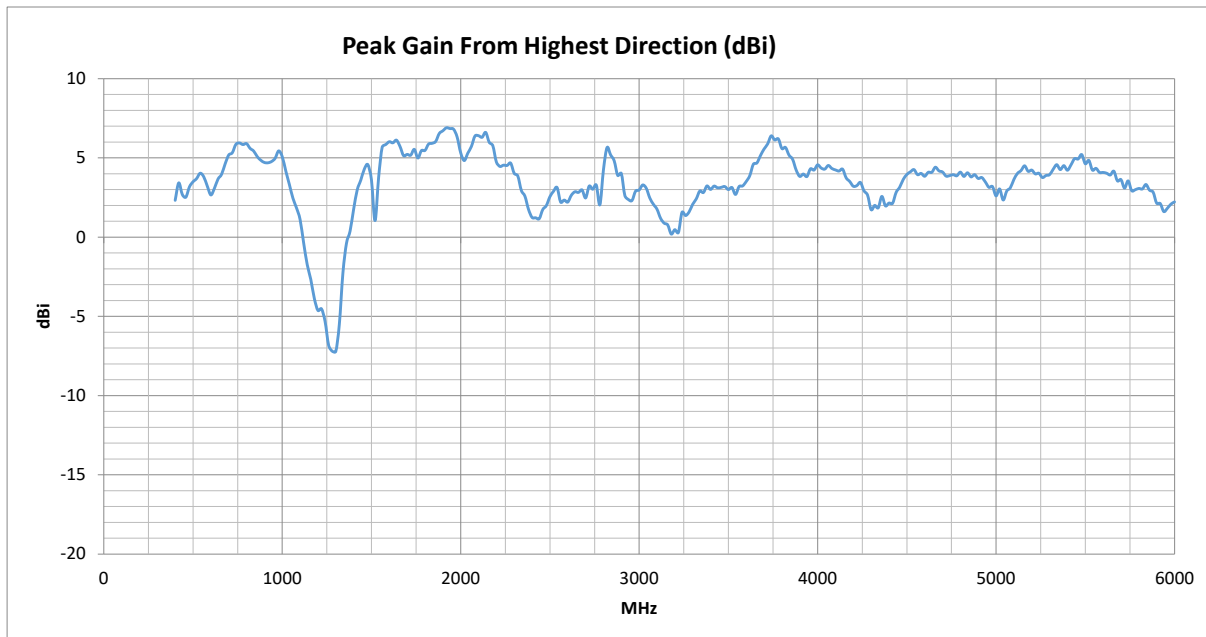
● Likely to be unsuitable



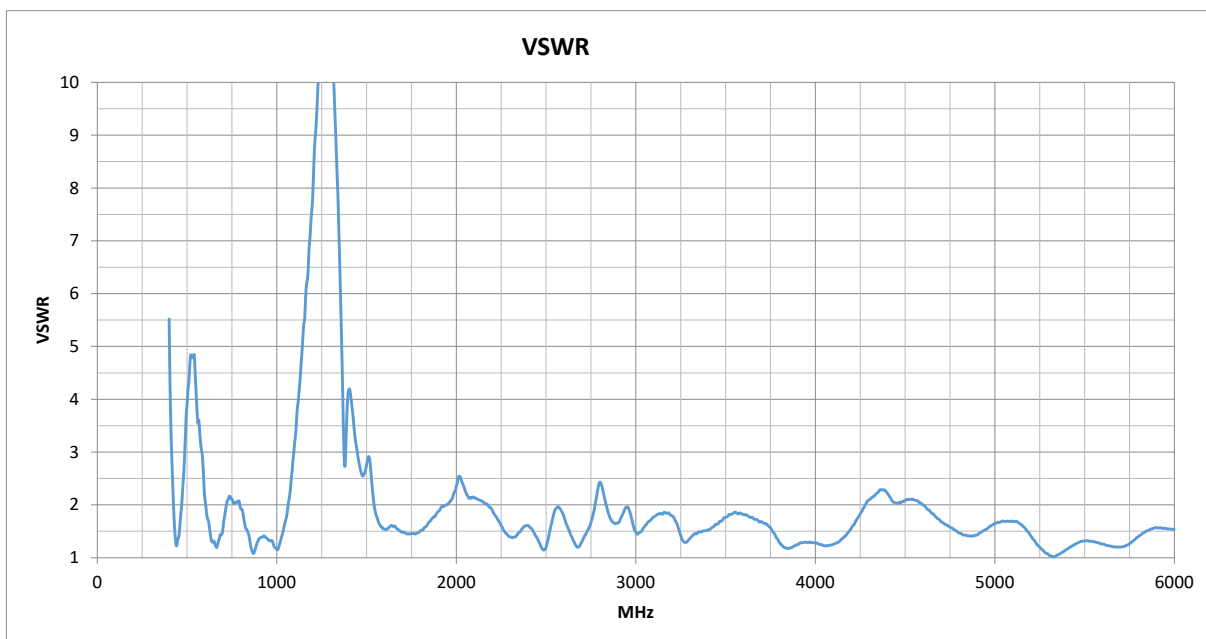
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### Peak Gain vs. Frequency



### VSWR

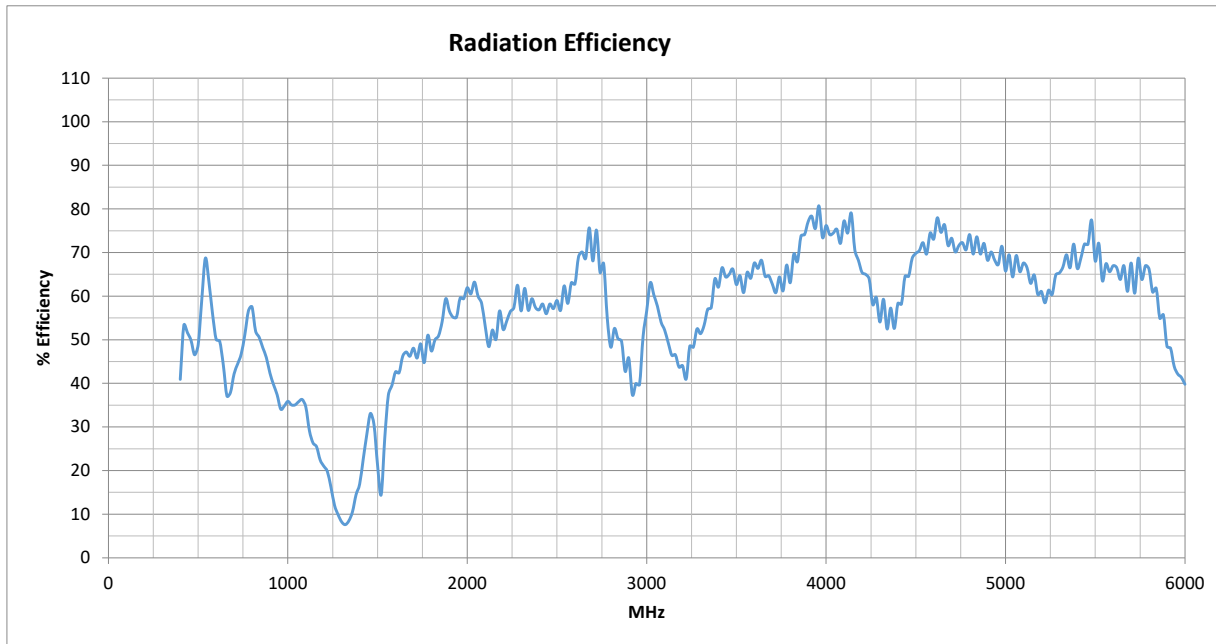




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### Radiation Efficiency





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### Usable Cellular Frequency Support (410 MHz – 1900 MHz)

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

### Usable Cellular Frequency Support (2000 MHz – 5900 MHz)

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



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

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



## Delta 56

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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	57.36	50.73	2.14	2.13	●
PCS-1900	2	2	2	2	n2	n2		1850 - 1910 MHz	1930 - 1990 MHz	56.55	58.17	1.91	2.24	●
DCS-1800	3	3	3	3	n3	n3		1710 - 1785 MHz	1805 - 1880 MHz	47.50	52.44	1.48	1.77	●
	4	4	4	4				1710 - 1755 MHz	2110 - 2155 MHz	47.22	50.54	1.48	2.13	●
GSM-850	5	5	5	5	n5	n5		824 - 849 MHz	869 - 894 MHz	50.75	45.50	1.59	1.31	●
	6							830 - 840 MHz	875 - 885 MHz	50.94	45.84	1.55	1.23	●
	7	7	7	7	n7	n7		2500 - 2570 MHz	2620 - 2690 MHz	59.31	70.88	1.96	1.58	●
E-GSM-900	8	8	8	8	n8	n8		880 - 915 MHz	925 - 960 MHz	42.96	36.84	1.39	1.41	●
	9	9						1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	47.70	55.15	1.47	1.77	●
	10	10						1710 - 1770 MHz	2110 - 2170 MHz	46.92	50.73	1.48	2.13	●
	11	11	11	11				1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	27.65	27.64	3.55	2.69	●
	12	12	12	12	n12	n12		699 - 716 MHz	729 - 746 MHz	43.03	46.60	1.94	2.16	●
	13	13	13	13	n13			777 - 787 MHz	746 - 756 MHz	56.61	49.19	2.07	2.12	●
	14	14	14	14	n14	n14		788 - 798 MHz	758 - 768 MHz	57.22	52.00	2.07	2.04	●
		17		17				704 - 716 MHz	734 - 746 MHz	43.32	46.93	1.94	2.16	●
		18	18	18	n18	n18		815 - 830 MHz	860 - 875 MHz	52.00	47.34	1.76	1.15	●
	19	19	19	19				830 - 845 MHz	875 - 890 MHz	50.72	45.42	1.55	1.28	●
	20	20	20	20	n20	n20		832 - 862 MHz	791 - 821 MHz	49.69	55.44	1.53	2.05	●
	21	21	21	21				1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	31.90	20.12	3.00	2.91	●
	22	22						3410 - 3490 MHz	3510 - 3590 MHz	65.29	63.82	1.75	1.86	●
		24	24	24	n24	n24		1626.5 - 1660.5 MHz	1525 - 1559 MHz	46.03	27.94	1.61	2.59	●
	25	25	25	25	n25	n25		1850 - 1915 MHz	1930 - 1995 MHz	56.49	58.39	1.95	2.27	●
	26	26	26	26	n26	n26		814 - 849 MHz	859 - 894 MHz	51.24	46.14	1.78	1.31	●
		27	27					807 - 824 MHz	852 - 869 MHz	53.35	48.15	1.90	1.27	●
		28	28	28	n28	n28		703 - 748 MHz	758 - 803 MHz	45.18	55.39	2.16	2.07	●

● 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
		28A						703 - 733 MHz	758 - 788 MHz	44.24	54.47	2.14	2.07	●
		29			n29			N/A	717 - 728 MHz	N/A	44.75	N/A	2.10	●
		30			n30			2305 - 2315 MHz	2350 - 2360 MHz	59.21	58.76	1.39	1.51	●
		31	31	31	n31	n31		452.5 - 457.5 MHz	462.5 - 467.5 MHz	50.33	49.06	1.51	1.91	●
	32	32						N/A	1452 - 1496 MHz	N/A	30.05	N/A	2.91	●
		33						1900 - 1920 MHz	1900 - 1920 MHz	55.92	55.92	1.97	1.97	●
		34			n34			2010 - 2025 MHz	2010 - 2025 MHz	60.88	60.88	2.54	2.54	●
		35						1850 - 1910 MHz	1850 - 1910 MHz	56.55	56.55	1.91	1.91	●
		36						1930 - 1990 MHz	1930 - 1990 MHz	58.17	58.17	2.24	2.24	●
		37						1910 - 1930 MHz	1910 - 1930 MHz	55.39	55.39	1.98	1.98	●
		38			n38			2570 - 2620 MHz	2570 - 2620 MHz	63.93	63.93	1.96	1.96	●
		39	39		n39			1880 - 1920 MHz	1880 - 1920 MHz	56.97	56.97	1.97	1.97	●
		40	40		n40			2300 - 2400 MHz	2300 - 2400 MHz	58.43	58.43	1.61	1.61	●
		41	41	41	n41	n41		2496 - 2690 MHz	2496 - 2690 MHz	64.67	64.67	1.96	1.96	●
		42	42	42				3400 - 3600 MHz	3400 - 3600 MHz	64.48	64.48	1.86	1.86	●
		43	43	43				3600 - 3800 MHz	3600 - 3800 MHz	64.57	64.57	1.82	1.82	●
		44						703 - 803 MHz	703 - 803 MHz	50.22	50.22	2.16	2.16	●
		45						1447 - 1467 MHz	1447 - 1467 MHz	31.94	31.94	3.03	3.03	●
		46			n46			5150 - 5925 MHz	5150 - 5925 MHz	64.56	64.56	1.62	1.62	●
		47			n47			5855 - 5925 MHz	5855 - 5925 MHz	51.89	51.89	1.57	1.57	●
		48	48	48	n48			3550 - 3700 MHz	3550 - 3700 MHz	65.59	65.59	1.86	1.86	●
		49						3550 - 3700 MHz	3550 - 3700 MHz	65.59	65.59	1.86	1.86	●
		50			n50			1432 - 1517 MHz	1432 - 1517 MHz	27.02	27.02	3.40	3.40	●
		51			n51			1427 - 1432 MHz	1427 - 1432 MHz	25.34	25.34	3.59	3.59	●
		52						3300 - 3400 MHz	3300 - 3400 MHz	57.70	57.70	1.53	1.53	●

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		53			n53			2483.5 - 2495 MHz	2483.5 - 2495 MHz	58.01	58.01	1.16	1.16	●
		54	54	54	n54	n54		1670 - 1675 MHz	1670 - 1675 MHz	46.60	46.60	1.55	1.55	●
		65		65	n65	n65		1920 - 2010 MHz	2110 - 2200 MHz	58.57	52.04	2.49	2.13	●
		66	66	66	n66	n66		1710 - 1780 MHz	2110 - 2200 MHz	47.28	52.04	1.48	2.13	●
		67			n67			N/A	738 - 758 MHz	N/A	48.54	N/A	2.16	●
		68						698 - 728 MHz	753 - 783 MHz	43.65	53.36	2.10	2.08	●
		69						N/A	2570 - 2620 MHz	N/A	63.93	N/A	1.96	●
		70		70	n70	n70		1695 - 1710 MHz	1995 - 2020 MHz	47.63	61.32	1.49	2.54	●
		71	71	71	n71	n71		663 - 698 MHz	617 - 652 MHz	38.75	45.53	1.52	1.71	●
		72	72	72	n72	n72		451 - 456 MHz	461 - 466 MHz	50.46	49.31	1.45	1.86	●
		73	73	73				450 - 455 MHz	460 - 465 MHz	50.55	49.47	1.41	1.83	●
		74	74	74	n74	n74		1427 - 1470 MHz	1475 - 1518 MHz	29.84	23.23	3.59	2.91	●
		75			n75			N/A	1432 - 1517 MHz	N/A	27.02	N/A	3.40	●
		76			n76			N/A	1427 - 1432 MHz	N/A	25.34	N/A	3.59	●
					n77			3300 - 4200 MHz	3300 - 4200 MHz	67.90	67.90	1.86	1.86	●
					n78			3300 - 3800 MHz	3300 - 3800 MHz	63.16	63.16	1.86	1.86	●
					n79			4400 - 5000 MHz	4400 - 5000 MHz	70.37	70.37	2.22	2.22	●
					n80			1710 - 1785 MHz	N/A	47.50	N/A	1.48	N/A	●
					n81			880 - 915 MHz	N/A	42.96	N/A	1.39	N/A	●
					n82			832 - 862 MHz	N/A	49.69	N/A	1.53	N/A	●
					n83			703 - 748 MHz	N/A	45.18	N/A	2.16	N/A	●
					n84			1920 - 1980 MHz	N/A	57.36	N/A	2.14	N/A	●
		85	85	85	n85			698 - 716 MHz	728 - 746 MHz	42.96	46.53	1.94	2.16	●
					n86			1710 - 1780 MHz	N/A	47.28	N/A	1.48	N/A	●
		87	87	87				410 - 415 MHz	420 - 425 MHz	48.68	53.12	3.46	2.40	●

● 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	49.92	52.95	3.23	2.22	●
					n89			824 - 849 MHz	N/A	50.75	N/A	1.59	N/A	●
					n90	n90		2496 - 2690 MHz	2496 - 2690 MHz	64.67	64.67	1.96	1.96	●
					n91			832 - 862 MHz	1427 - 1432 MHz	49.69	25.34	1.53	3.59	●
					n92			832 - 862 MHz	1432 - 1517 MHz	49.69	27.02	1.53	3.40	●
					n93			880 - 915 MHz	1427 - 1432 MHz	42.96	25.34	1.39	3.59	●
					n94			880 - 915 MHz	1432 - 1517 MHz	42.96	27.02	1.39	3.40	●
					n95			2010 - 2025 MHz	N/A	60.88	N/A	2.54	N/A	●
					n97			2300 - 2400 MHz	N/A	58.43	N/A	1.61	N/A	●
					n98			1880 - 1920 MHz	N/A	56.97	N/A	1.97	N/A	●
					n99			1626.5 - 1660.5 MHz	N/A	46.03	N/A	1.61	N/A	●
1900					n101			1900 - 1910 MHz	1900 - 1910 MHz	56.27	56.27	1.91	1.91	●
		103		103				787 - 788 MHz	757 - 758 MHz	56.97	50.62	2.07	2.04	●
					n105			663 - 703 MHz	612 - 652 MHz	39.18	46.07	1.64	1.77	●
							n254	1610 - 1625.5 MHz	2483.5 - 2500 MHz	42.68	58.25	1.58	1.20	●
							n255	1626.5 - 1660.5 MHz	1525 - 1559 MHz	46.03	27.94	1.61	2.59	●
							n256	1980 - 2010 MHz	2170 - 2200 MHz	60.99	54.65	2.49	2.02	●

● 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	52.16	1.44	2.95	●
ISM 868 MHz	863 - 870 MHz	47.46	1.12	5.05	●
ISM 915 MHz	902 - 928 MHz	40.40	1.41	4.72	●
ISM 2.4 GHz	2400 - 2500 MHz	57.50	1.61	2.55	●
Wi-Fi 2.4G	2401 - 2483 MHz	57.36	1.61	2.07	●
Wi-Fi 2.4G (USA)	2401 - 2473 MHz	57.36	1.61	1.90	●
Wi-Fi 2.4G (Japan)	2401 - 2495 MHz	57.44	1.61	2.41	●
Wi-Fi 5G (all channels)	5150 - 5990 MHz	62.88	1.62	5.21	●
Wi-Fi 5G (Ch 32-48)	5150 - 5250 MHz	61.17	1.62	4.50	●
Wi-Fi 5G (Ch 32-64)	5150 - 5330 MHz	62.62	1.62	4.50	●
Wi-Fi 5G (Ch 32-161)	5150 - 5815 MHz	66.13	1.62	5.21	●
Wi-Fi 5G (Ch 32-173)	5150 - 5875 MHz	65.53	1.62	5.21	●
ISM 5.8 GHz	5725 - 5875 MHz	62.97	1.55	3.55	●
UWB band 1	3168 - 3696 MHz	59.03	1.86	5.48	●
UWB band 2	3696 - 4224 MHz	71.37	1.68	6.39	●
UWB band 3	4224 - 4752 MHz	66.07	2.29	4.41	●
UWB band 4	4752 - 5280 MHz	67.08	1.69	4.50	●
UWB band 5	5280 - 5808 MHz	67.35	1.42	5.21	●

● 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.

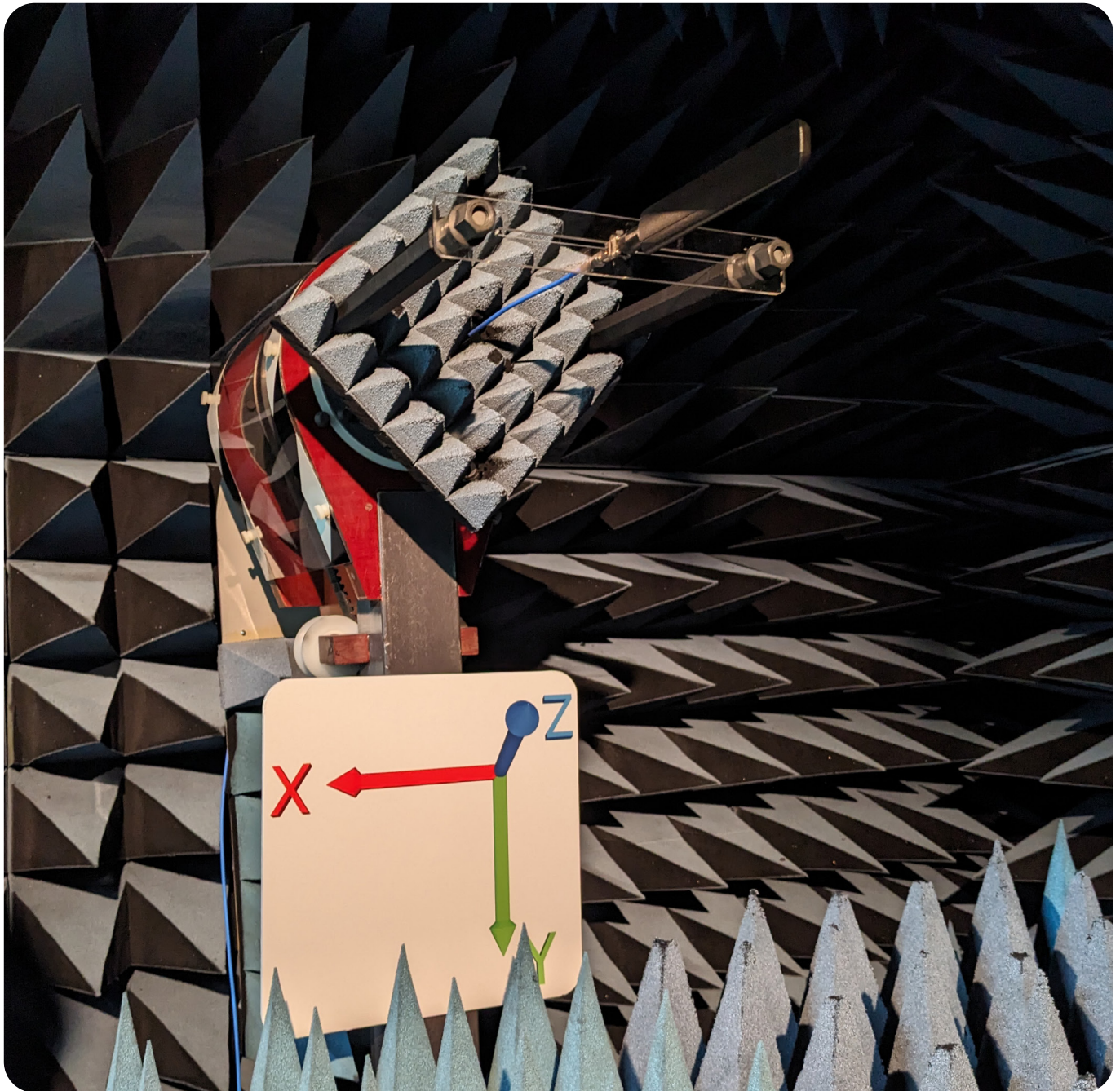
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### Test Setup (in Free Space)



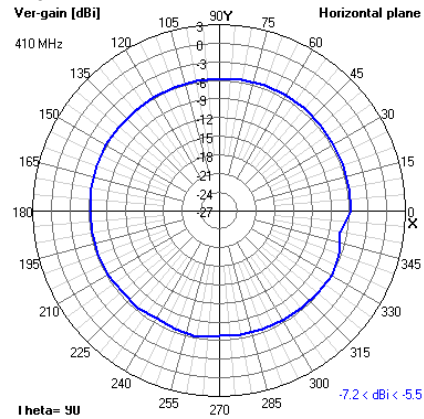


## Delta 56

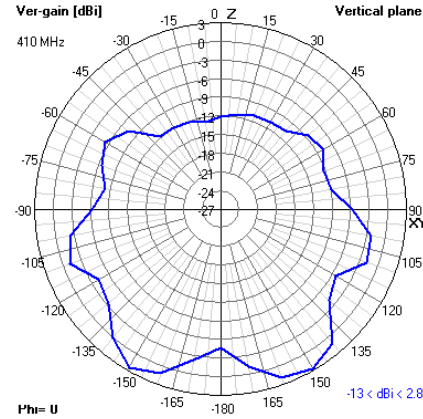
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

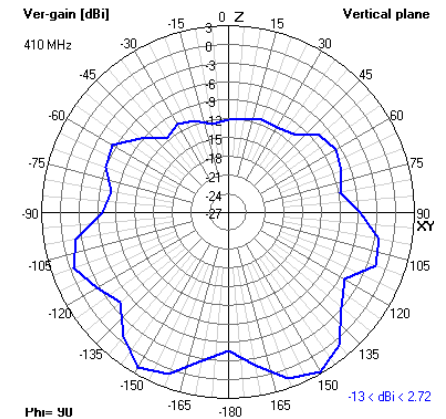
#### 410 MHz XY



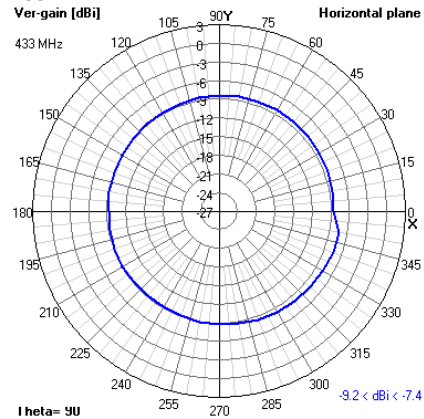
#### XZ



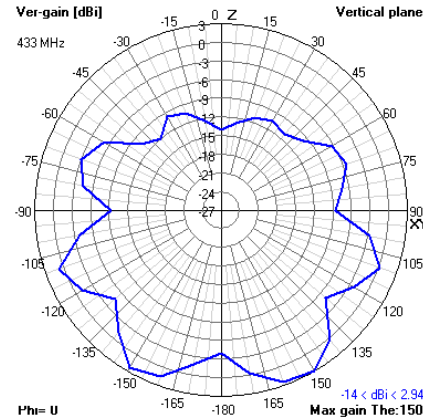
#### YZ



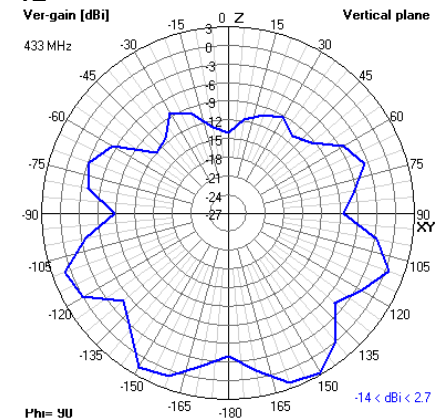
#### 433 MHz XY



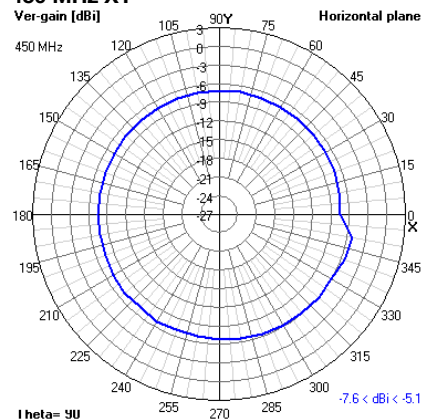
#### XZ



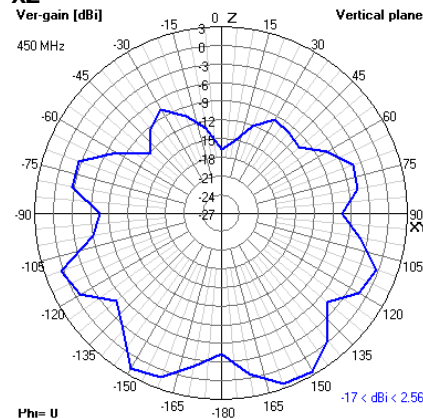
#### YZ



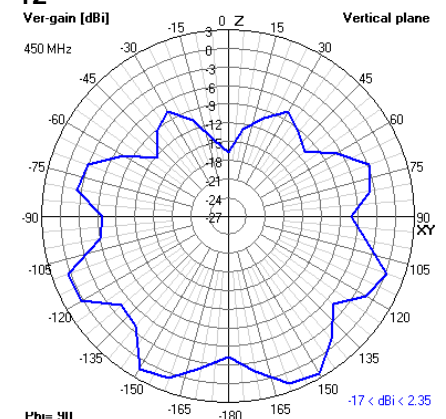
#### 450 MHz XY



#### XZ



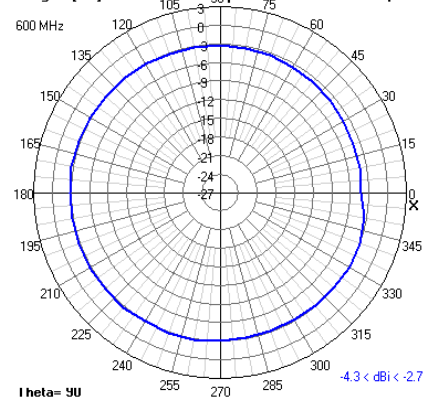
#### YZ



## IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

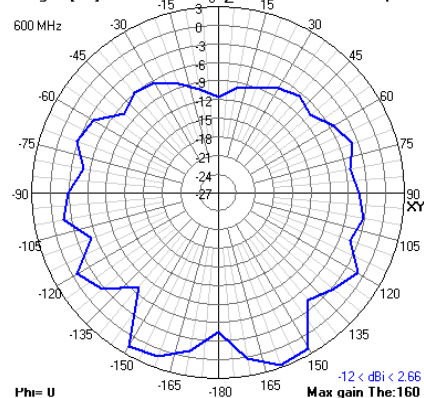
## 600 MHz XY

Ver-gain [dBi]



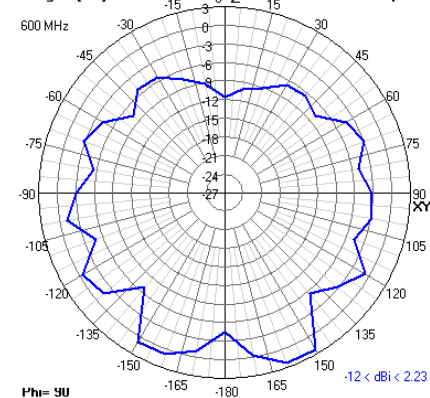
**XZ**

Ver-gain [dBi]



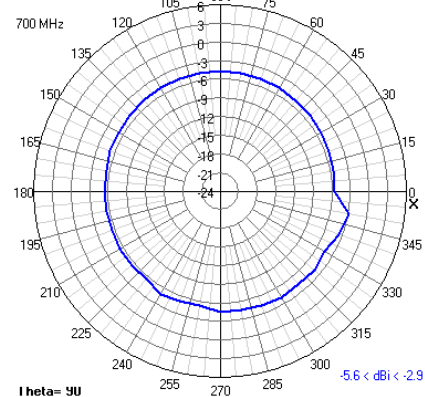
## YZ

Ver-gain [dBi]



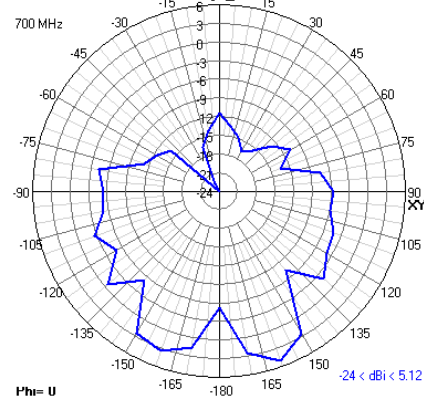
## 700 MHz XY

Ver-gain [dBi]



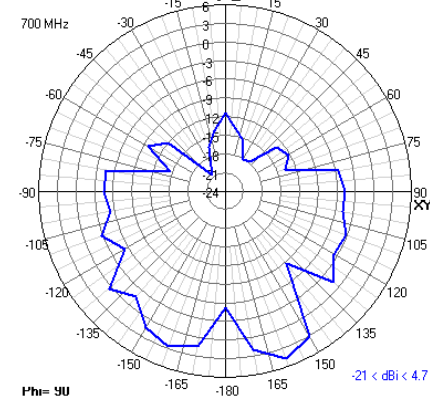
## XZ

Ver-gain [dBi]



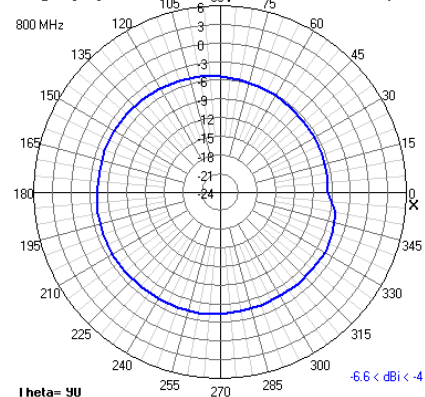
## YZ

Ver-gain [dBi]



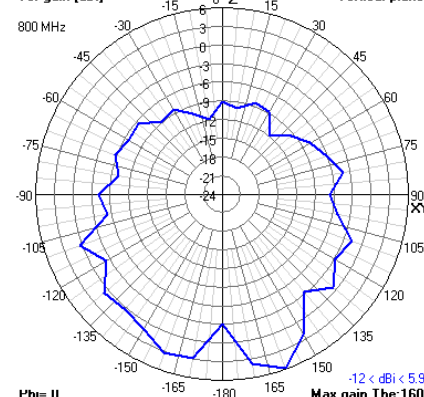
**800 MHz XY**

Ver-gain [dBi]



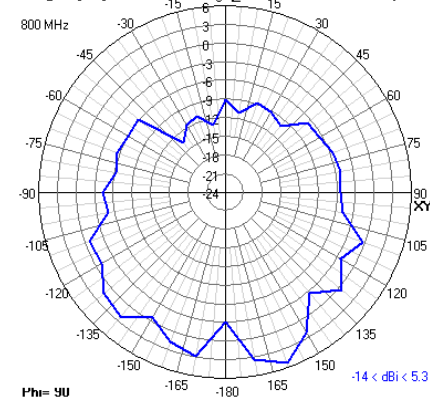
## XZ

Ver-gain [dBi]



## YZ

Ver-gain [dBi]



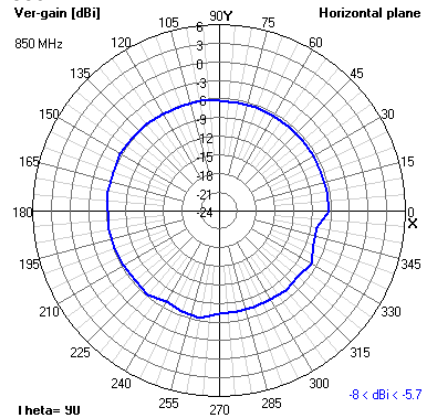


## Delta 56

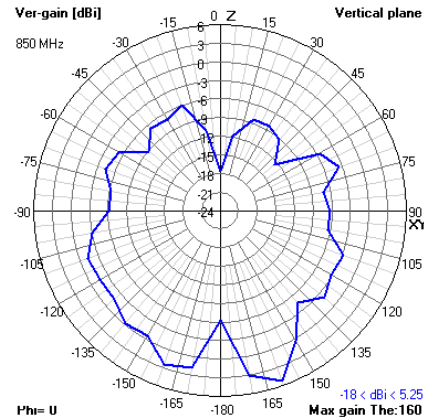
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

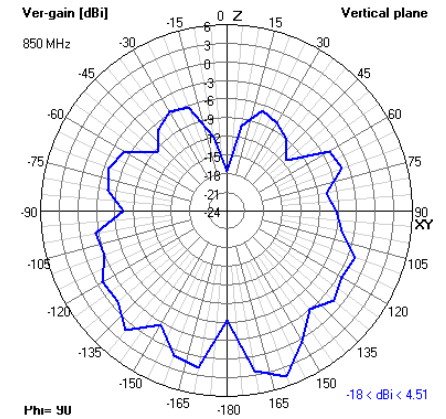
#### 850 MHz XY



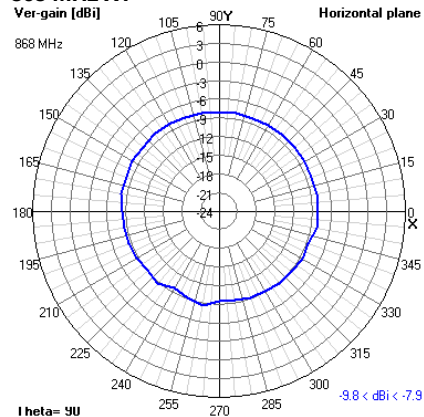
#### XZ



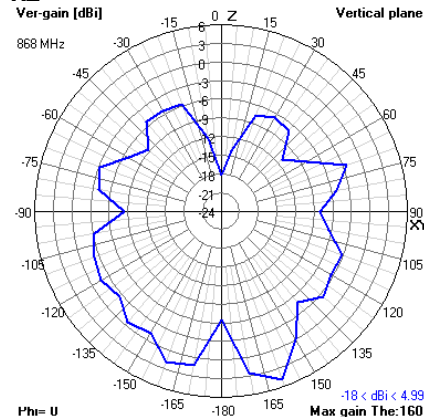
#### YZ



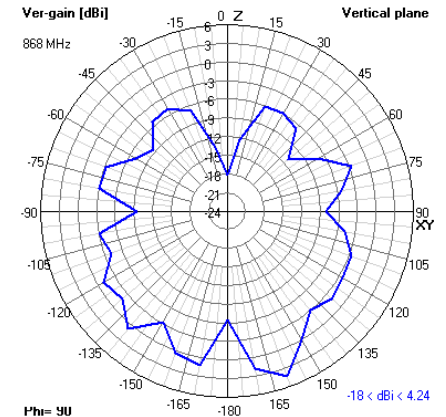
#### 868 MHz XY



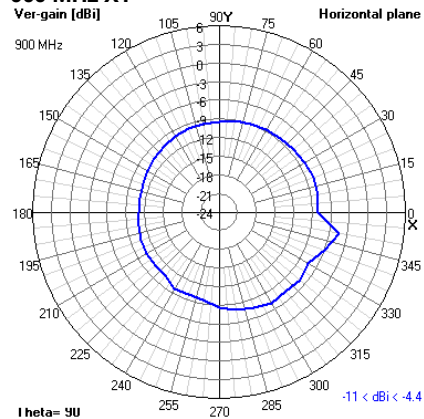
#### XZ



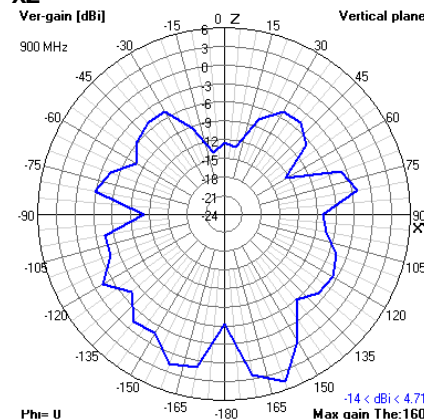
#### YZ



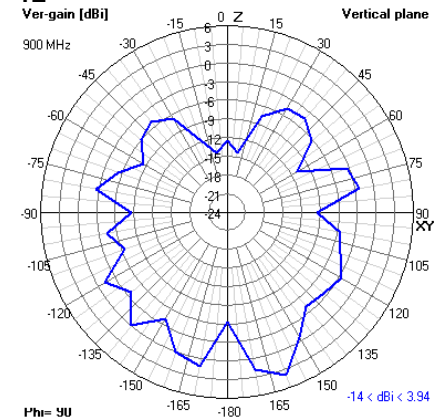
#### 900 MHz XY



#### XZ



#### YZ



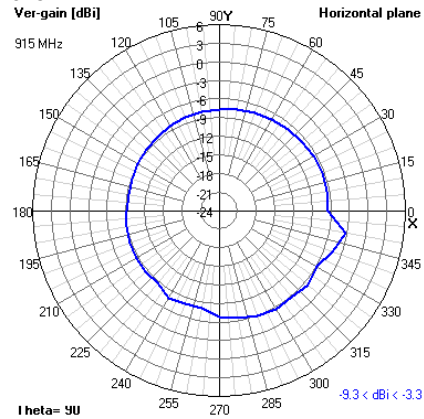


## Delta 56

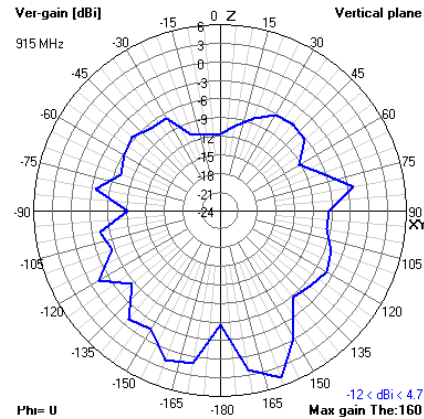
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

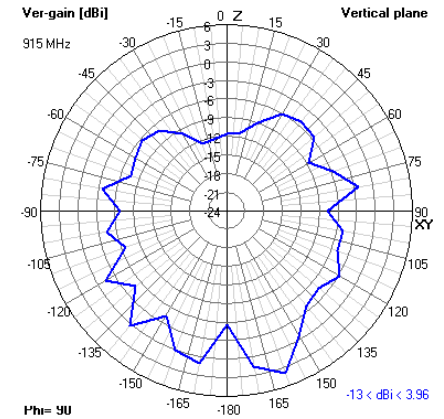
#### 915 MHz XY



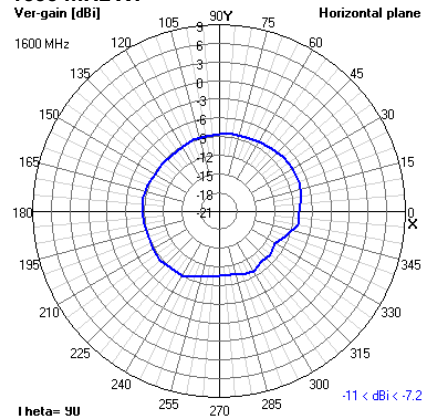
#### XZ



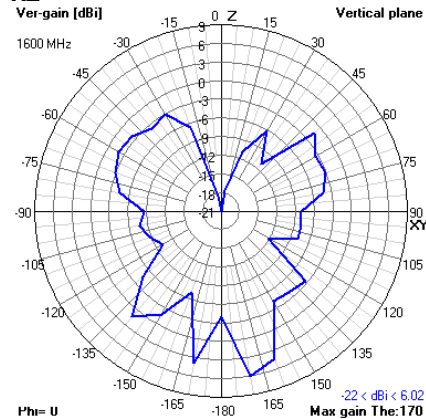
#### YZ



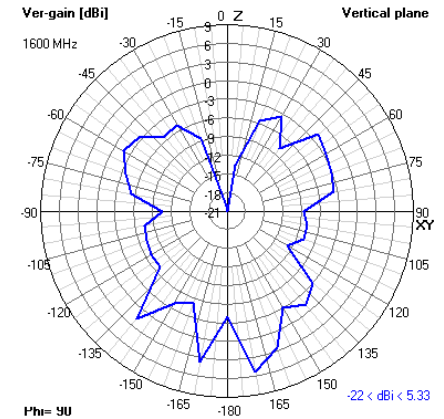
#### 1600 MHz XY



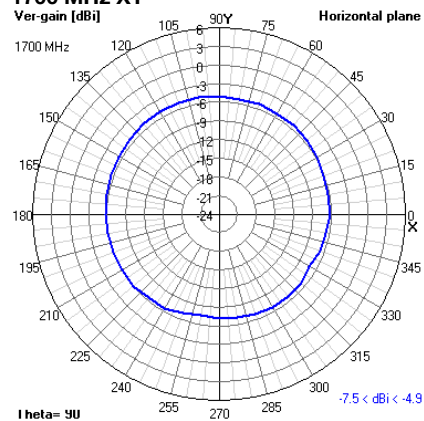
#### XZ



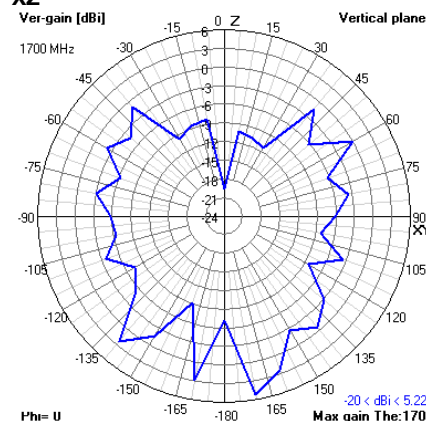
#### YZ



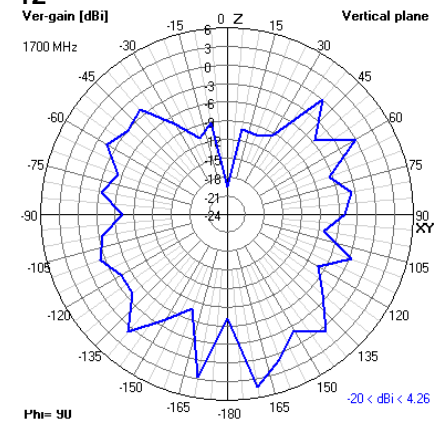
#### 1700 MHz XY



#### XZ



#### YZ





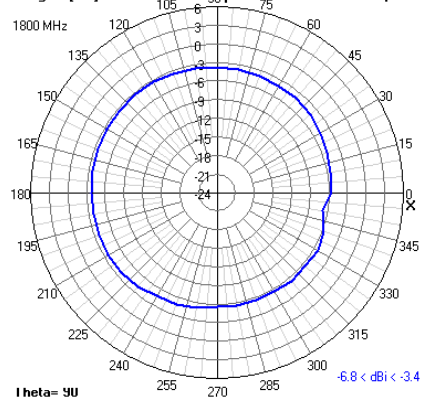
# Delta 56

## IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

## 2D Radiation Plots

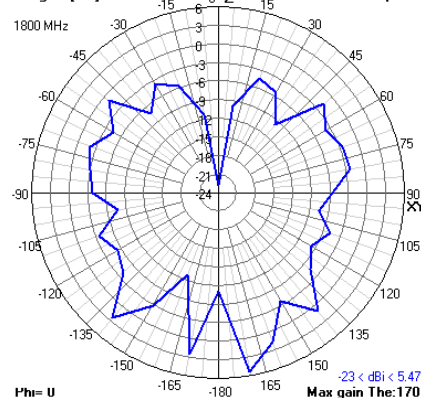
**1800 MHz XY**

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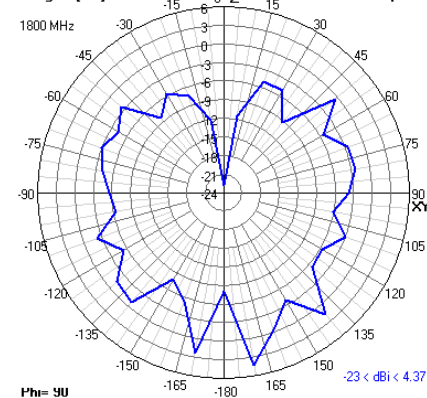
**XZ**

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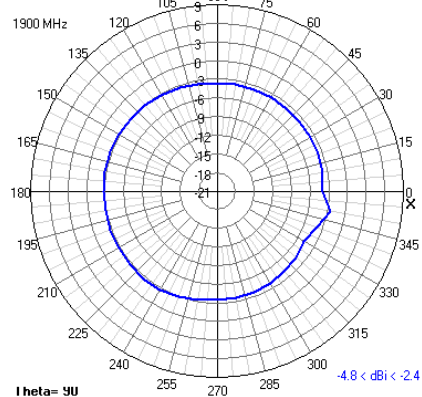
YZ

Ver-gain [dBi]	15	0	15	Vertical plane
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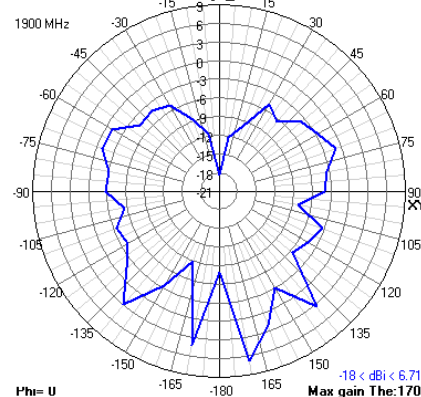
**1900 MHz XY**

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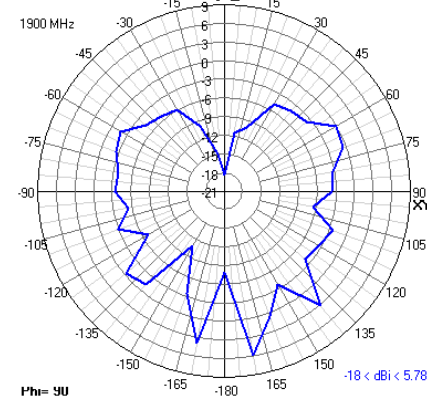
XZ

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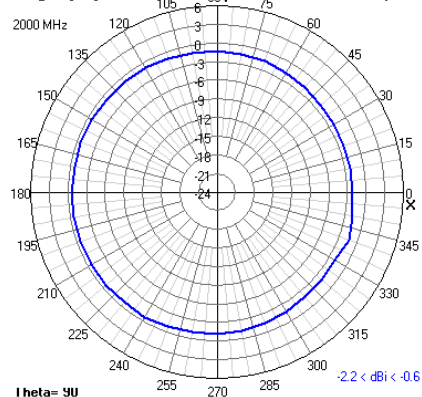
YZ

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



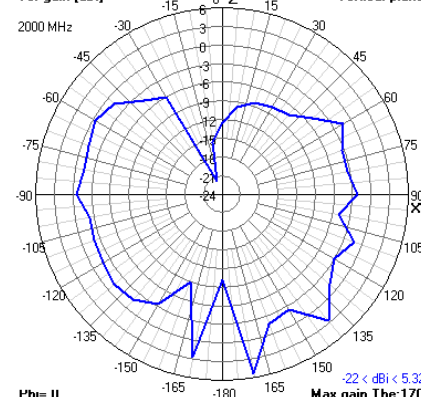
**2000 MHz XY**

Ver-gain [dBi]	1.05	90Y	74B	Horizontal plane
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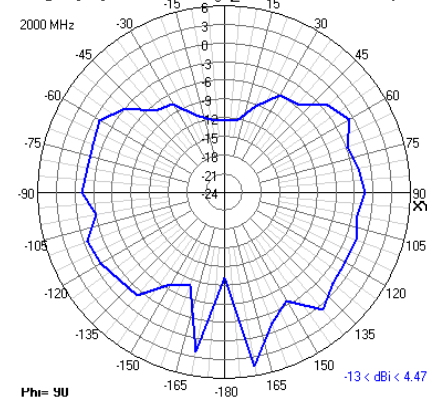
XZ

Ver-gain [dBi]		0	7	16	Vertical plane
-10					
-5					
0					
5					
10					
15					
20					
25					
30					
35					
40					
45					
50					
55					
60					
65					
70					
75					
80					
85					
90					
95					
100					



YZ

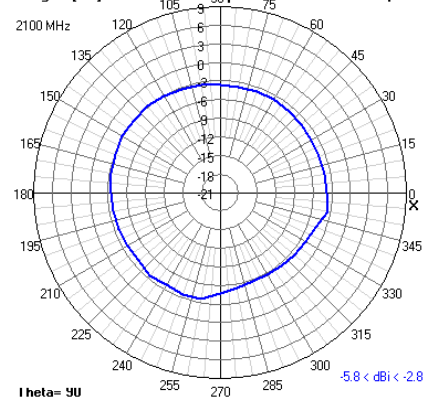
Ver-gain [dBi]	15	0	7	15	Vertical plane
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## IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

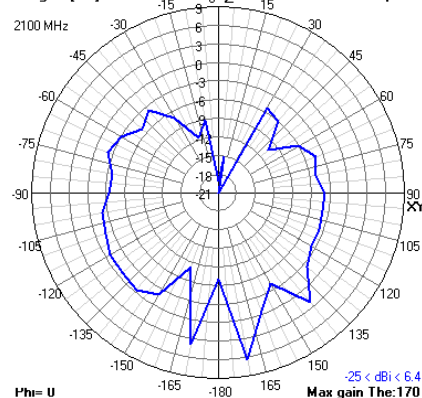
**2100 MHz XY**

Ver-gain [dBi]	1.05	90Y	75	Horizontal plane
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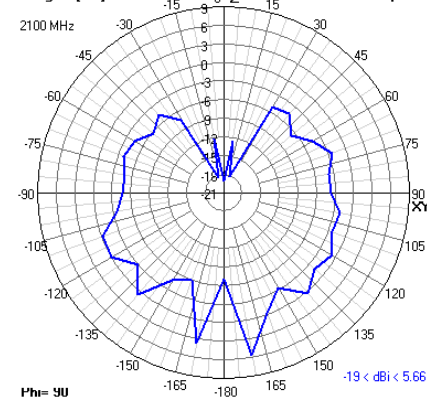
**XZ**

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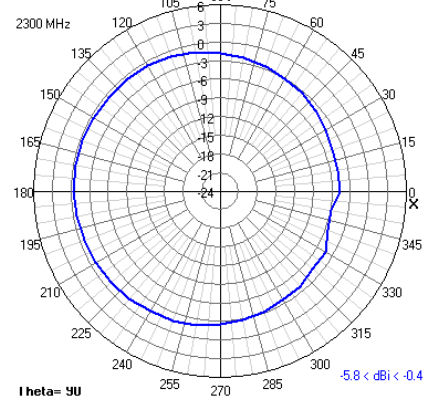
## YZ

Ver-gain [dBi]	15	0	15	Vertical plane
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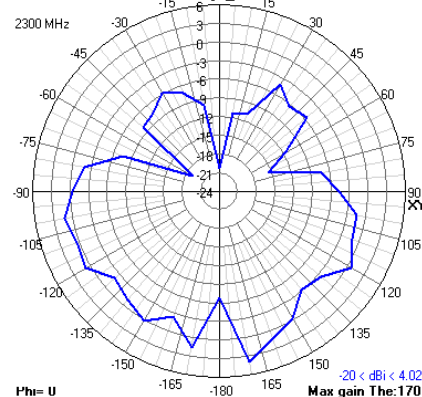
**2300 MHz XY**

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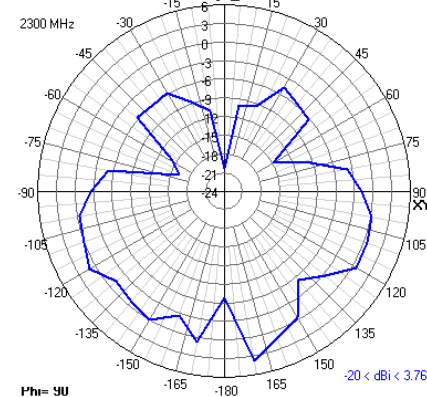
## XZ

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



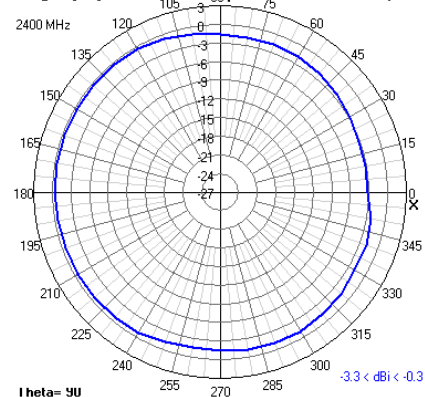
## YZ

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



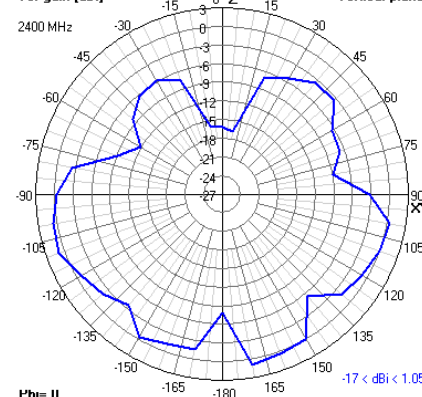
**2400 MHz XY**

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



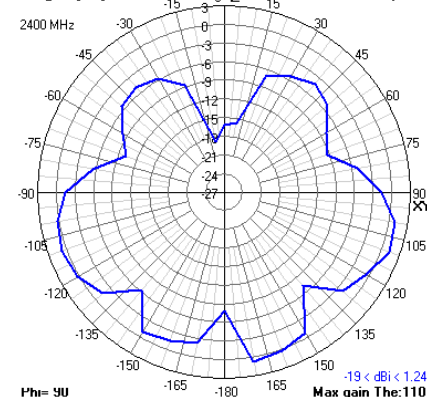
## XZ

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

Ver-gain [dBi]      15      0      15      Vertical plane



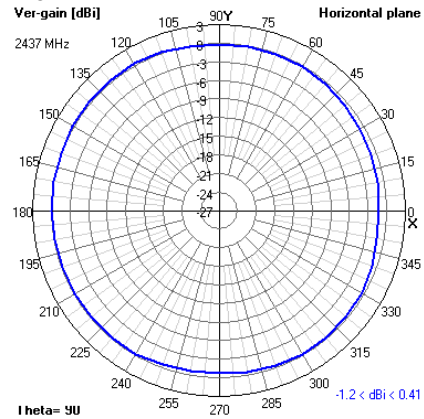


## Delta 56

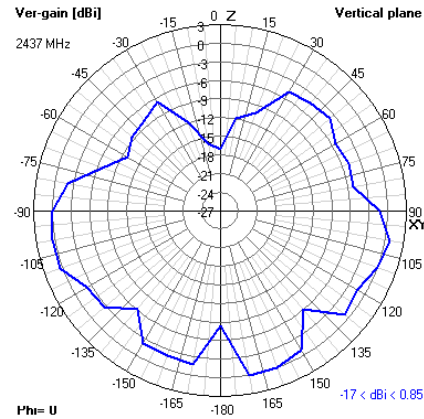
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

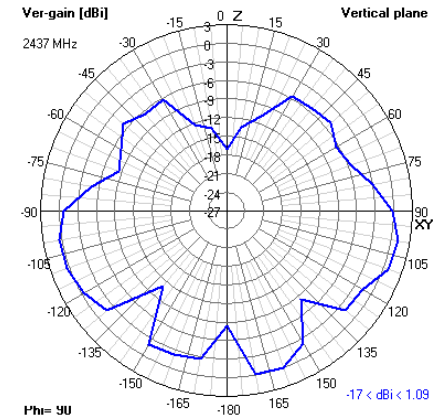
#### 2437 MHz XY



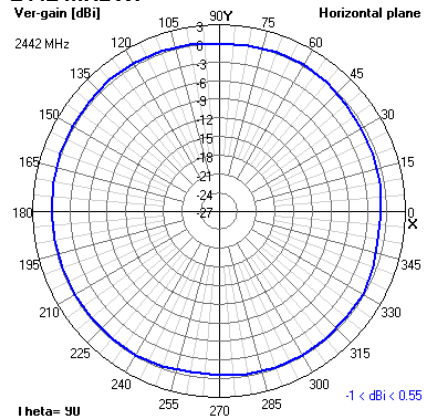
#### XZ



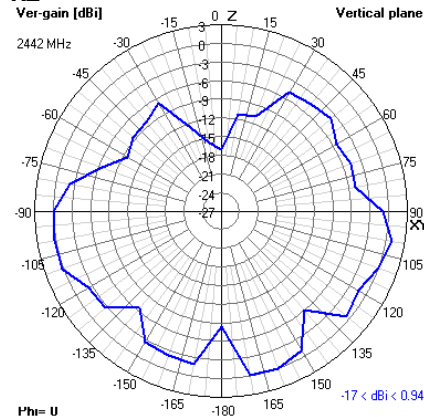
#### YZ



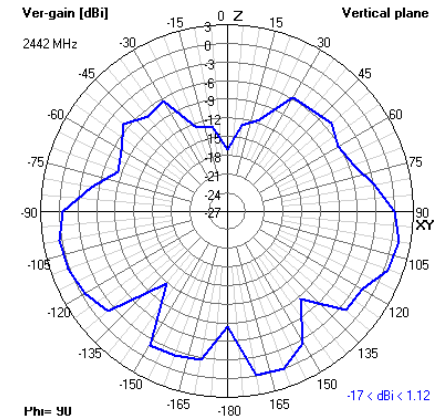
#### 2442 MHz XY



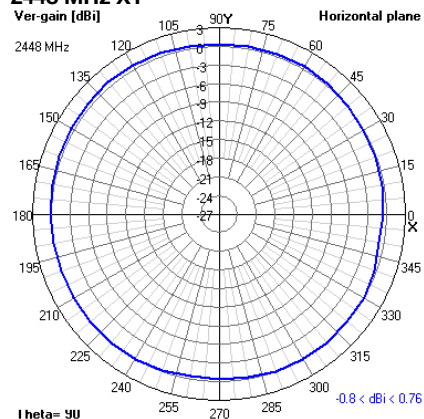
#### XZ



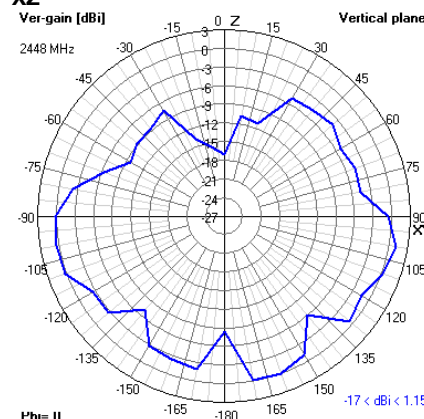
#### YZ



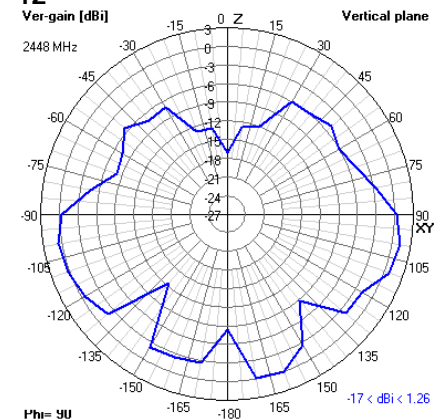
#### 2448 MHz XY



#### XZ



#### YZ



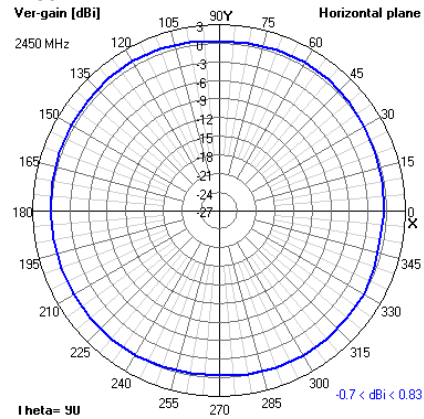


## Delta 56

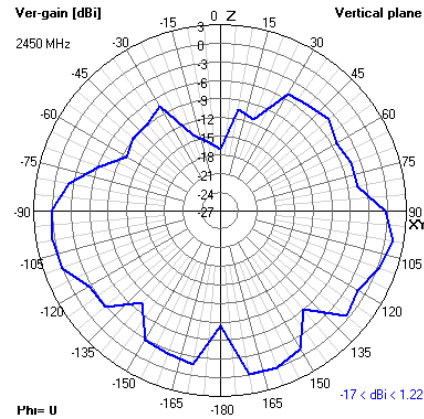
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

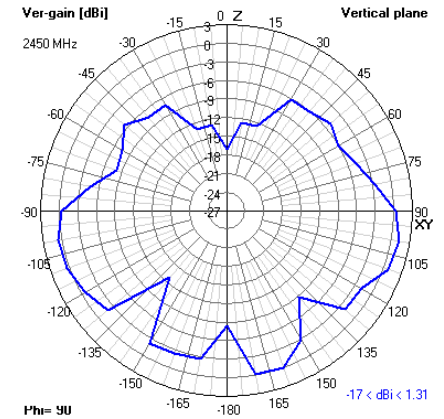
#### 2450 MHz XY



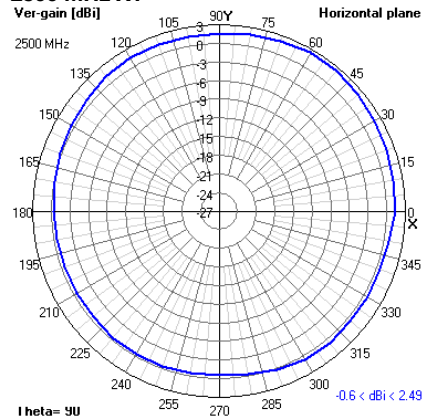
#### XZ



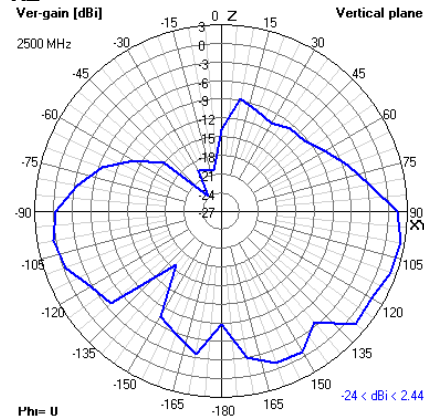
#### YZ



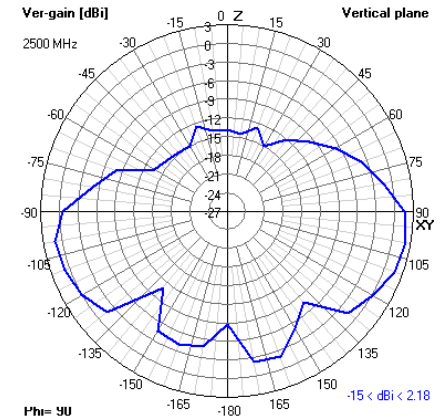
#### 2500 MHz XY



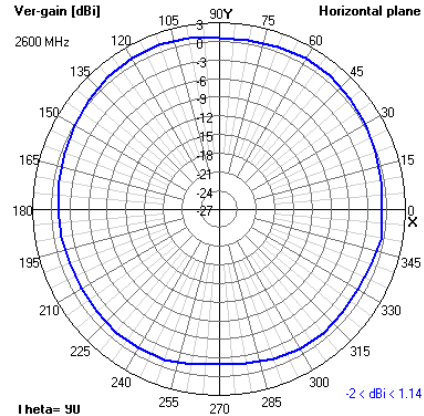
#### XZ



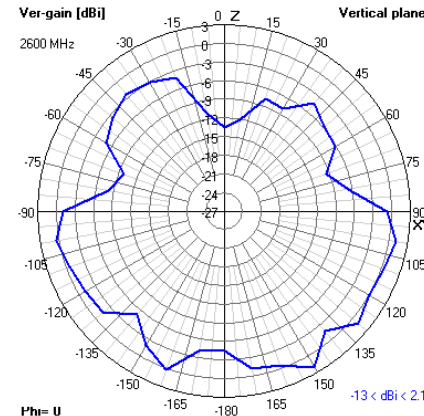
#### YZ



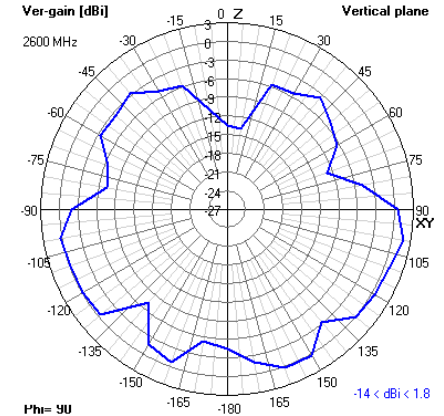
#### 2600 MHz XY



#### XZ



#### YZ



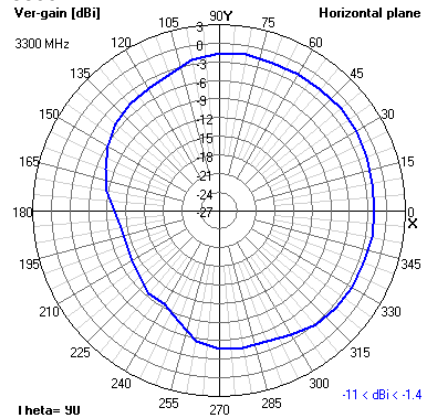


## Delta 56

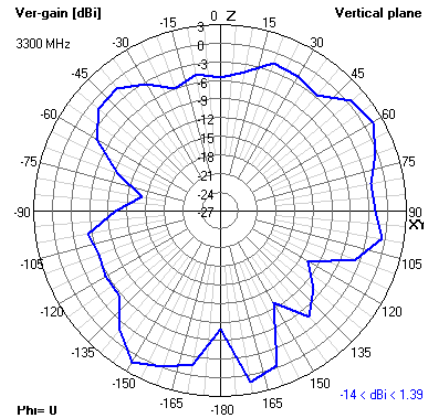
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

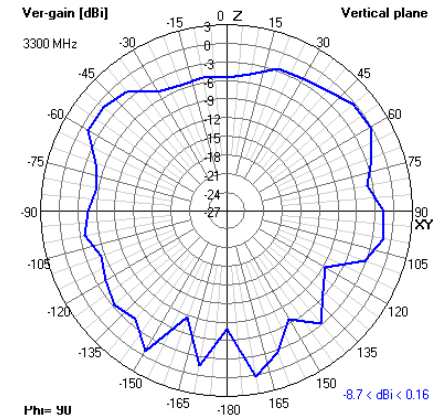
#### 3300 MHz XY



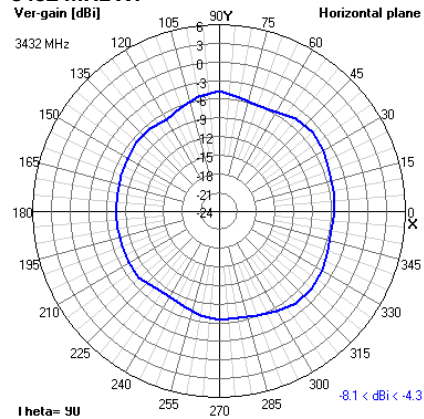
#### XZ



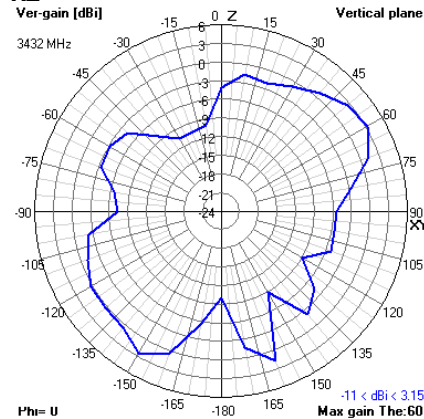
#### YZ



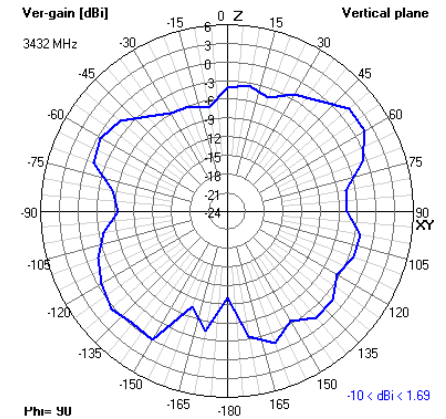
#### 3432 MHz XY



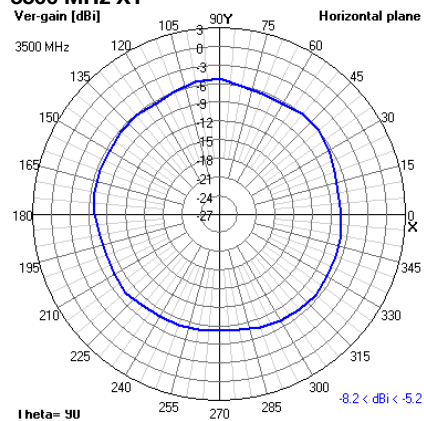
#### XZ



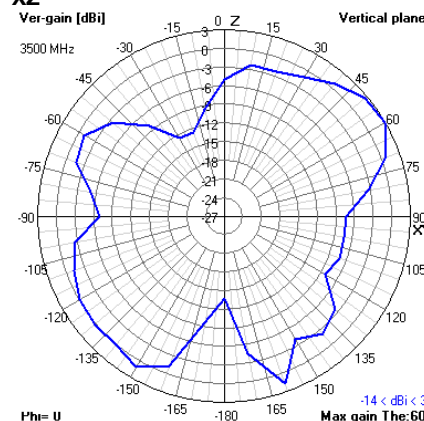
#### YZ



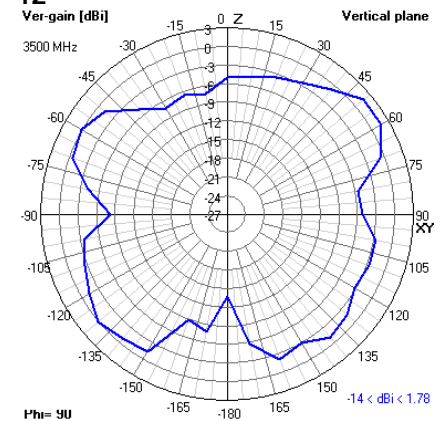
#### 3500 MHz XY



#### XZ



#### YZ



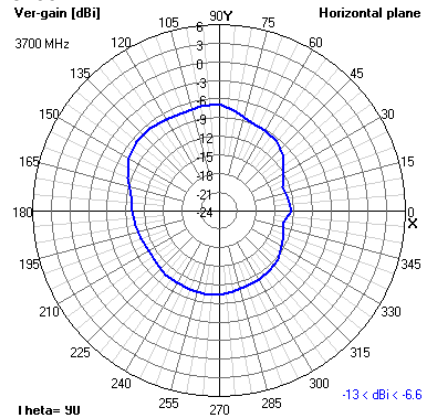


## Delta 56

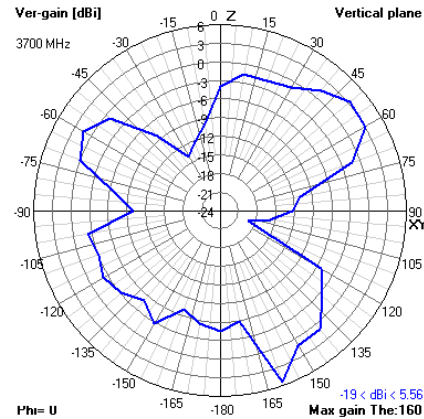
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

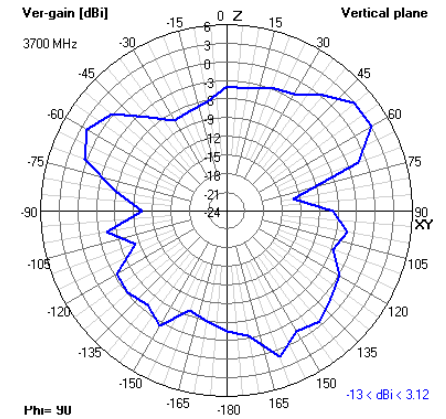
#### 3700 MHz XY



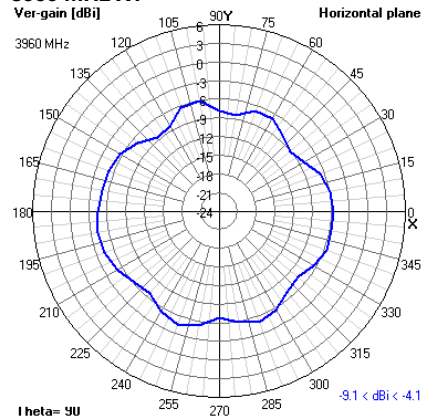
#### XZ



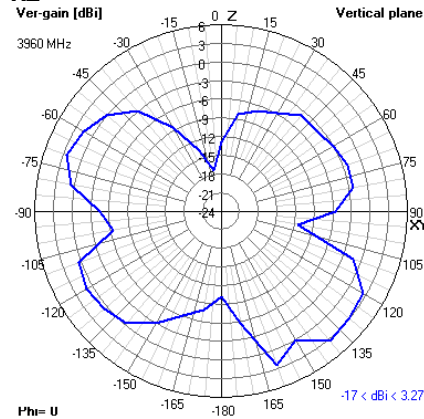
#### YZ



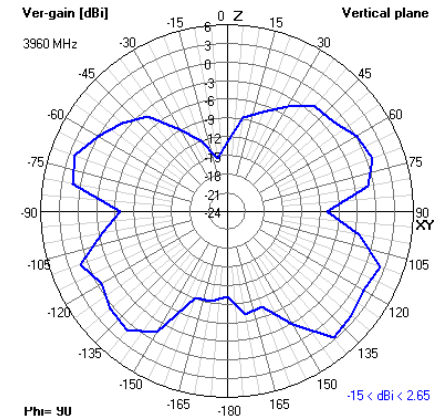
#### 3960 MHz XY



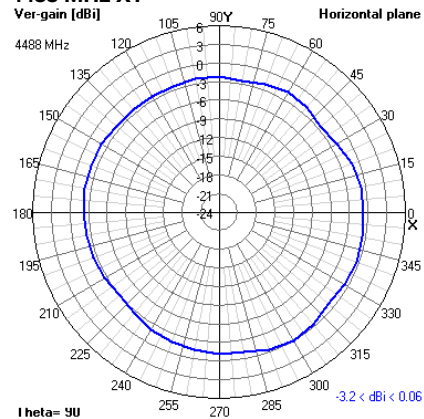
#### XZ



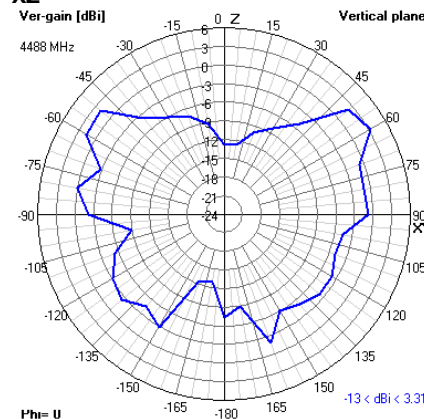
#### YZ



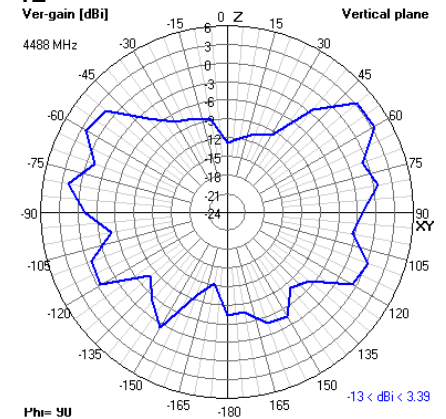
#### 4488 MHz XY



#### XZ



#### YZ



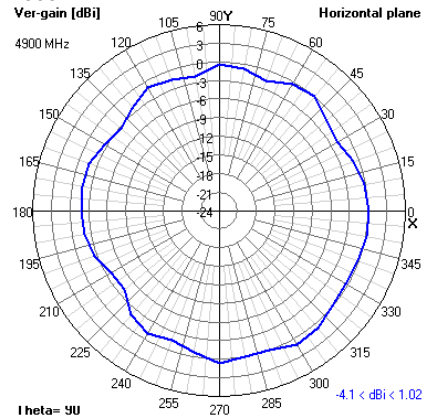


## Delta 56

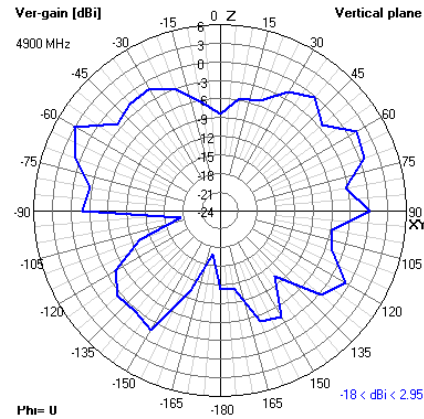
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

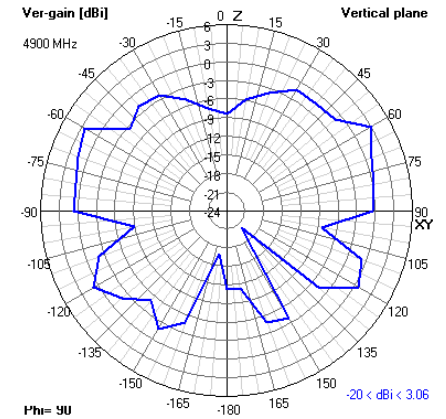
#### 4900 MHz XY



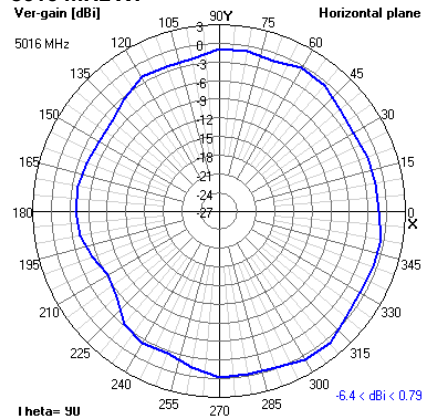
#### XZ



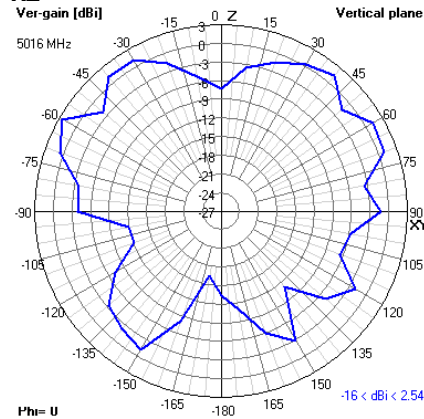
#### YZ



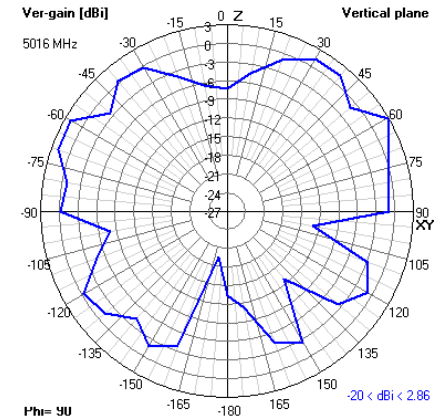
#### 5016 MHz XY



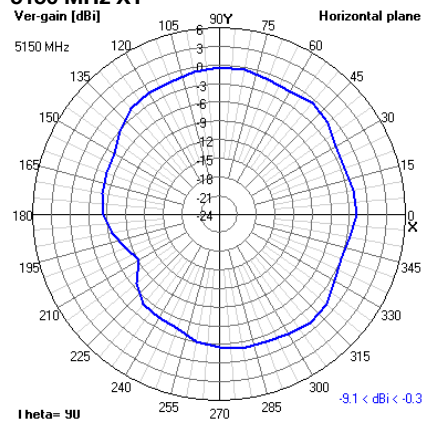
#### XZ



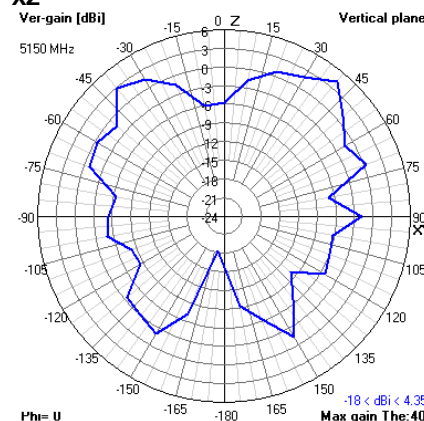
#### YZ



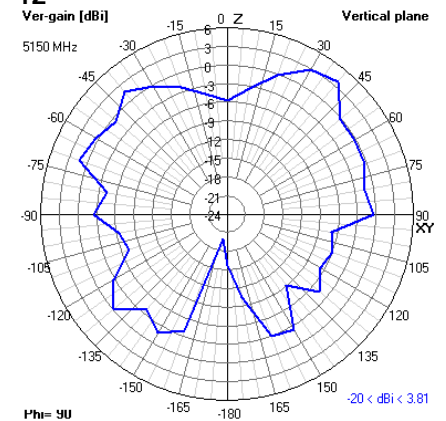
#### 5150 MHz XY



#### XZ



#### YZ



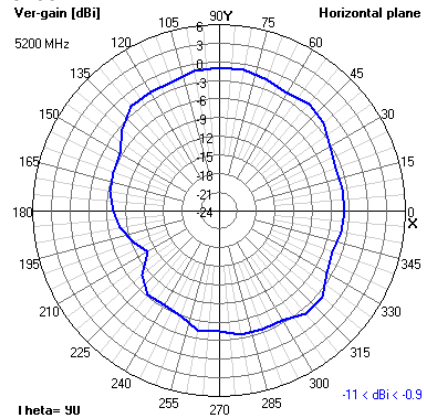


## Delta 56

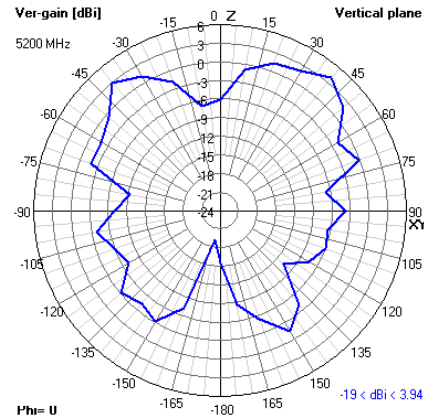
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

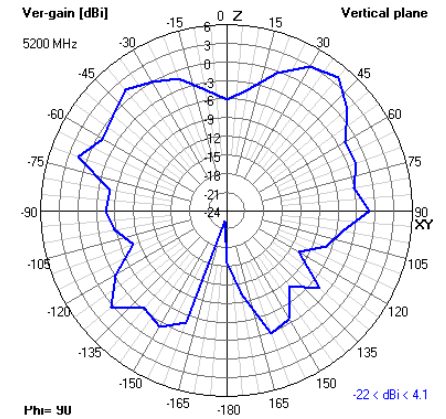
#### 5200 MHz XY



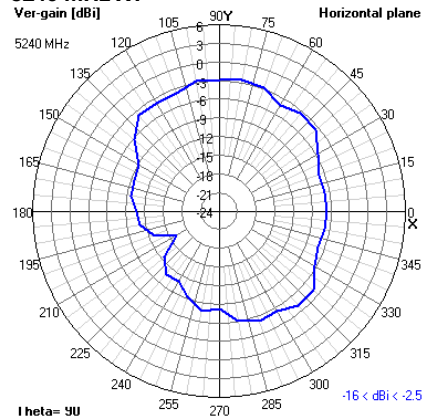
#### XZ



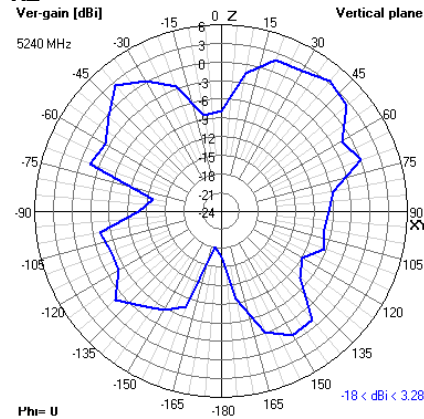
#### YZ



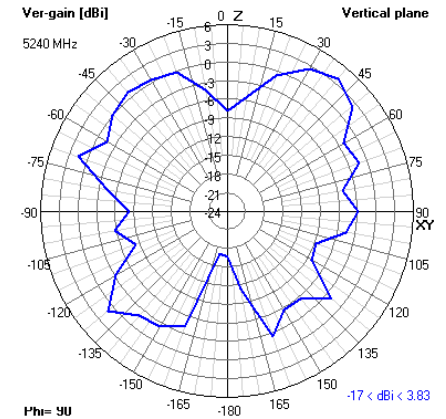
#### 5240 MHz XY



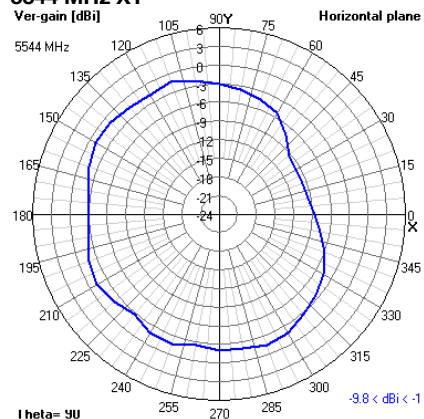
#### XZ



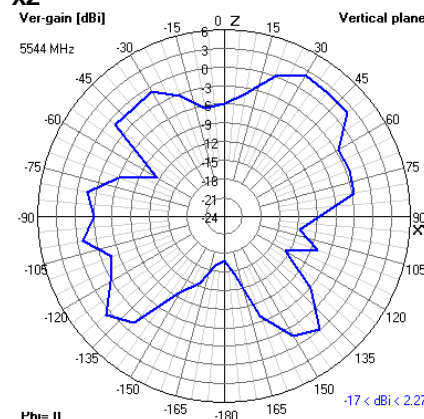
#### YZ



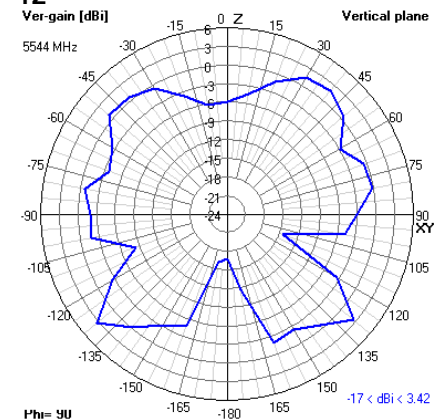
#### 5544 MHz XY



#### XZ



#### YZ



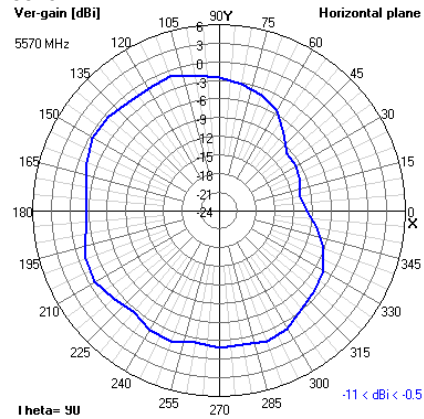


## Delta 56

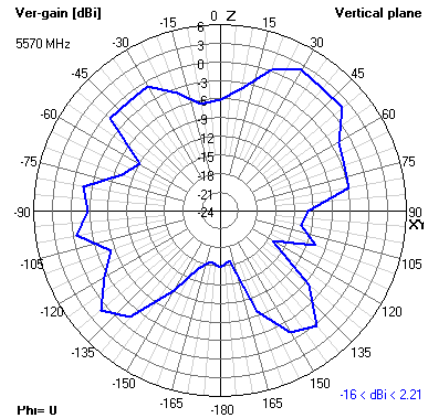
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 2D Radiation Plots

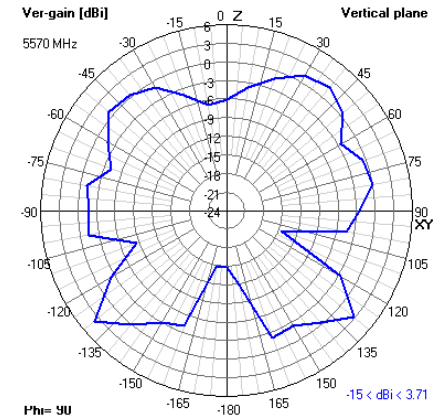
5570



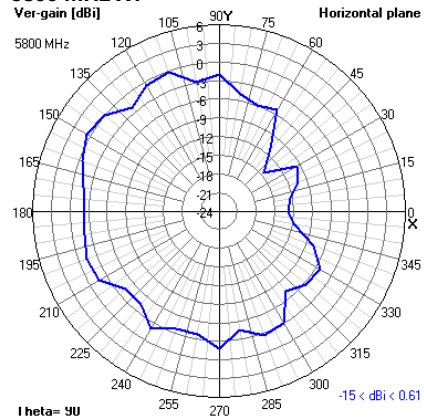
XZ



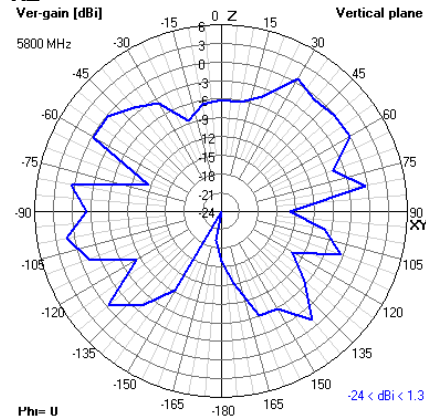
YZ



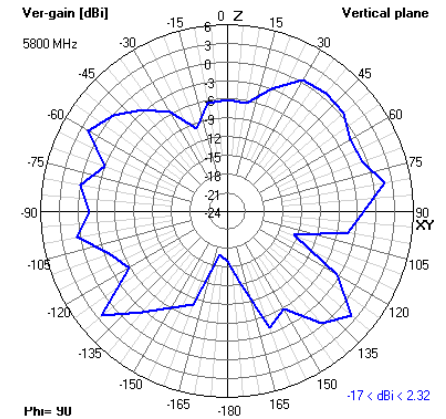
5800 MHz XY



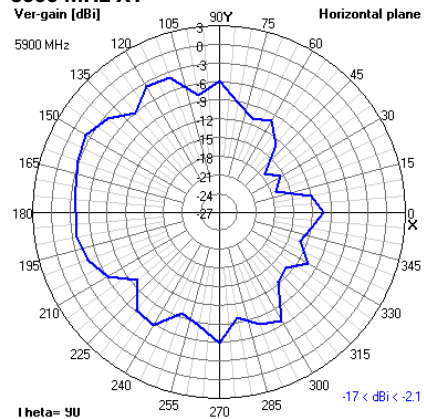
XZ



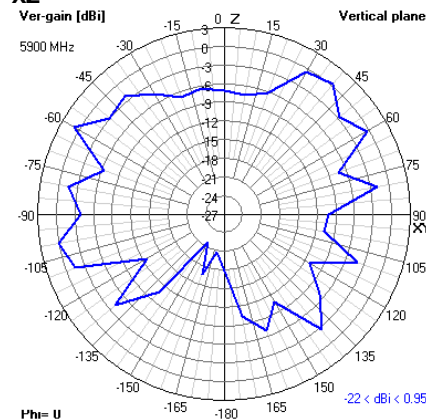
YZ



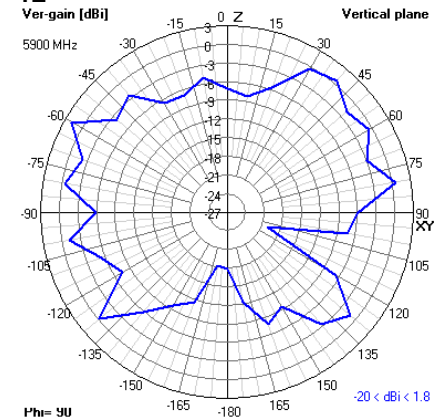
5900 MHz XY



XZ



YZ

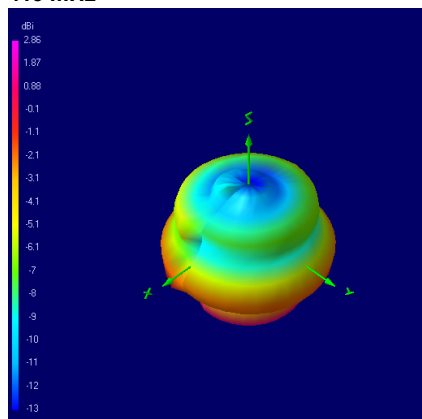


## Delta 56

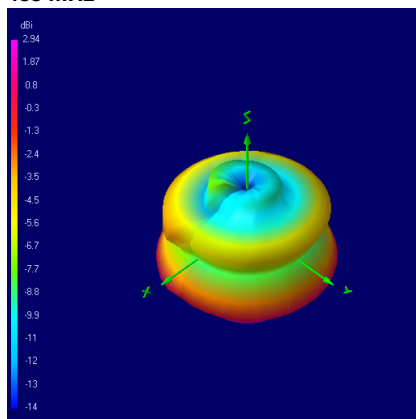
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 3D Radiation Plots

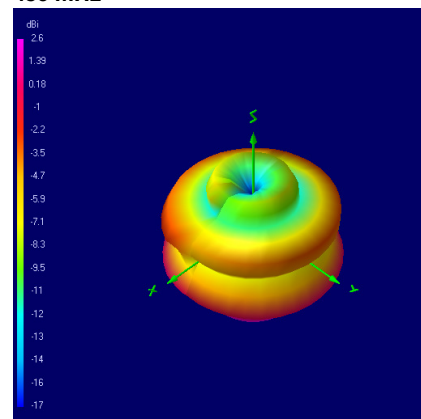
410 MHz



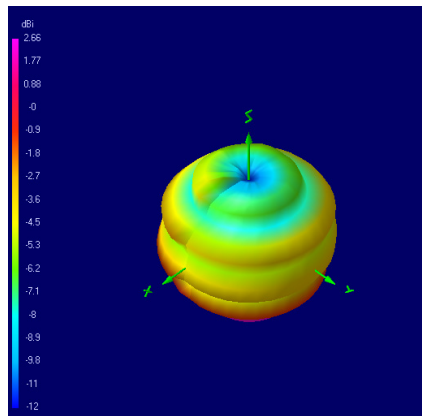
433 MHz



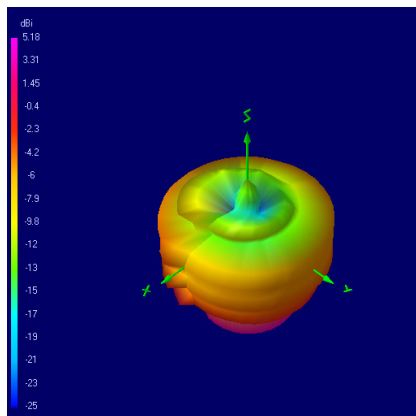
450 MHz



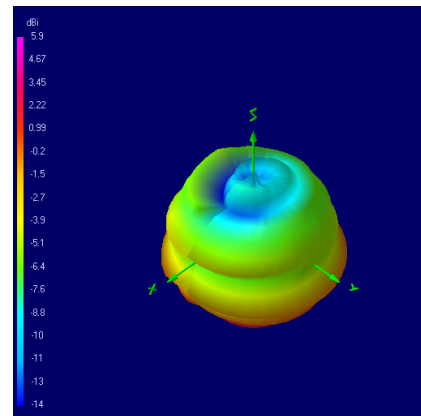
600 MHz



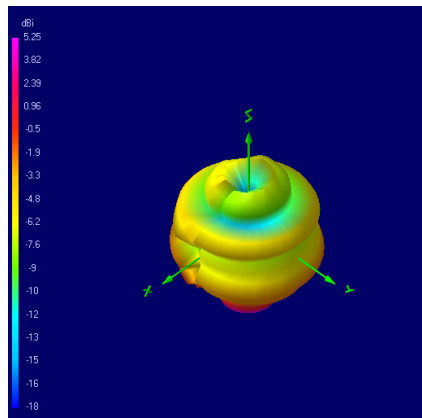
700 MHz



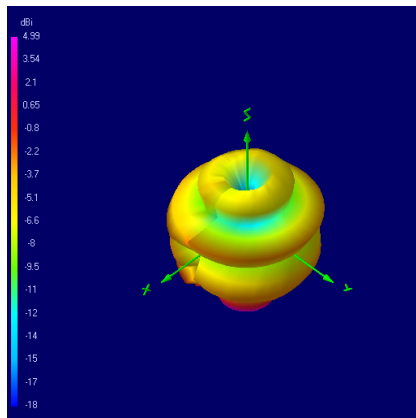
800 MHz



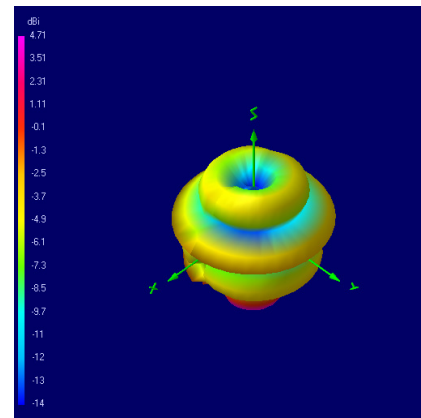
850 MHz



868 MHz



900 MHz

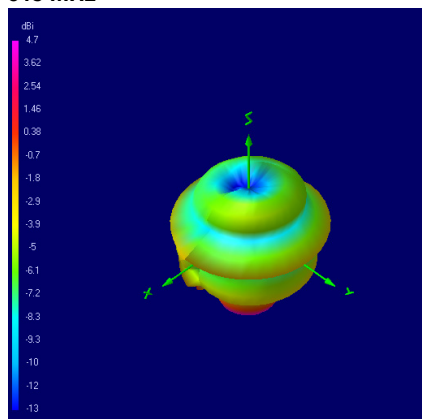


## Delta 56

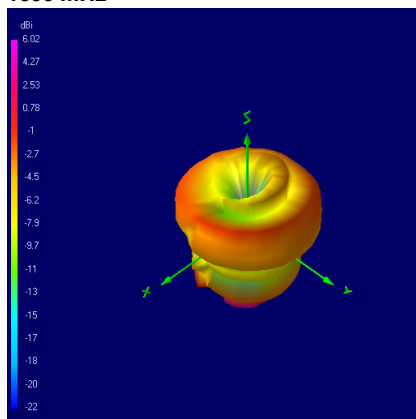
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 3D Radiation Plots

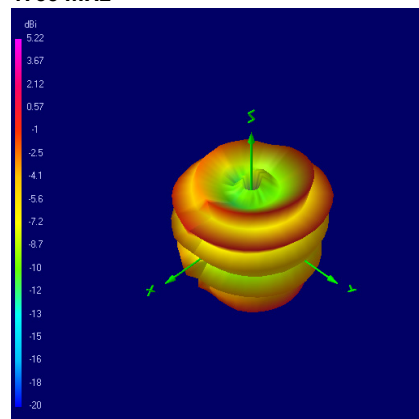
915 MHz



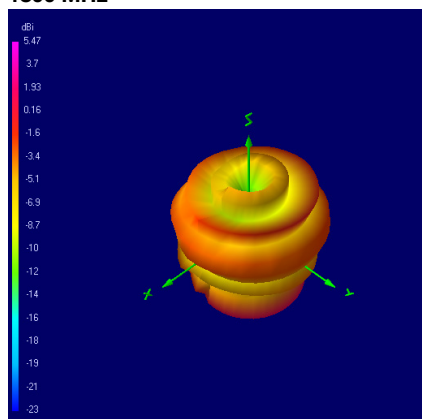
1600 MHz



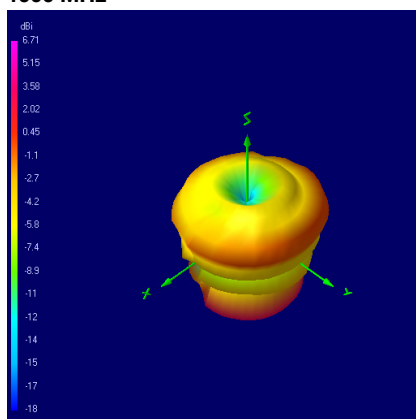
1700 MHz



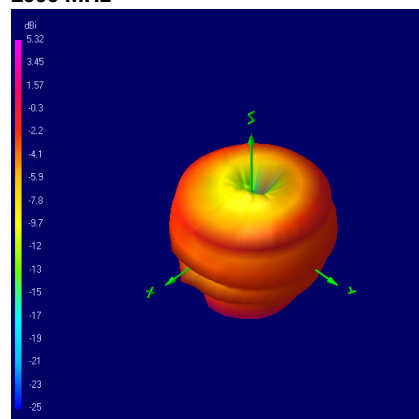
1800 MHz



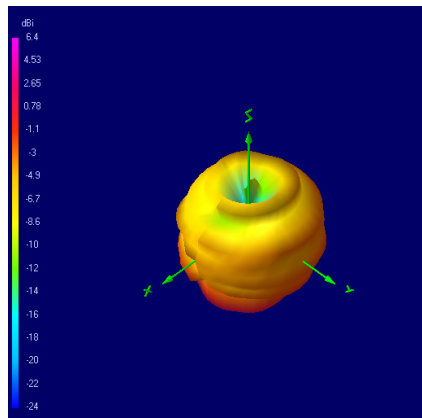
1900 MHz



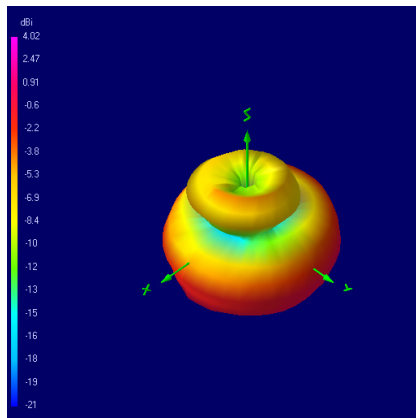
2000 MHz



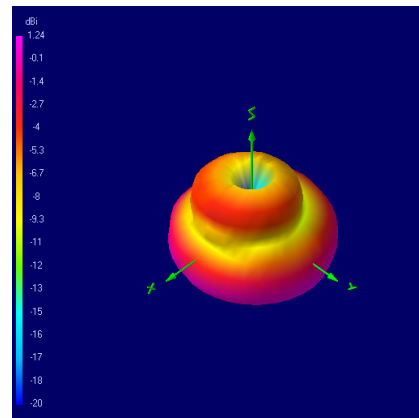
2100 MHz



2300 MHz



2400 MHz



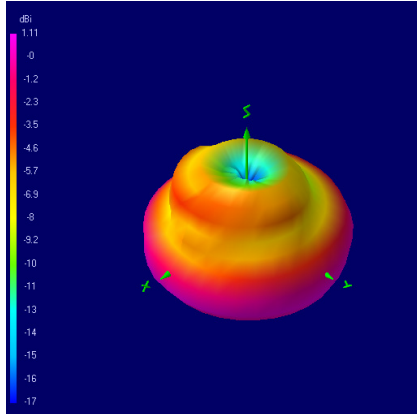


## Delta 56

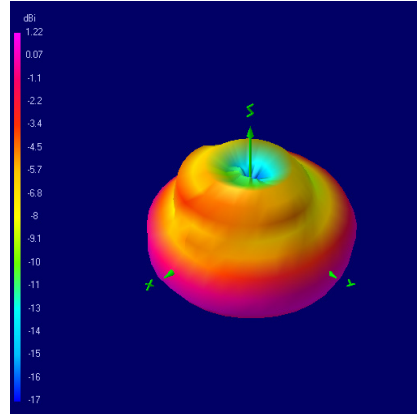
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 3D Radiation Plots

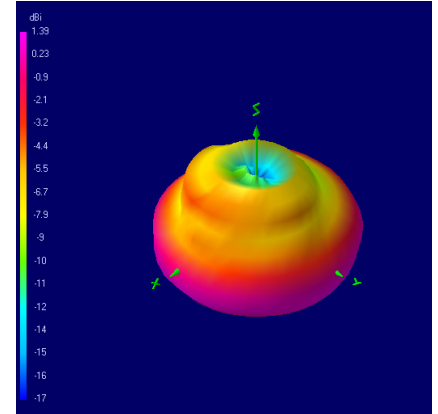
2437 MHz



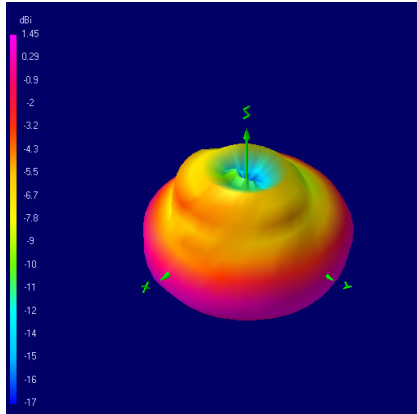
2442 MHz



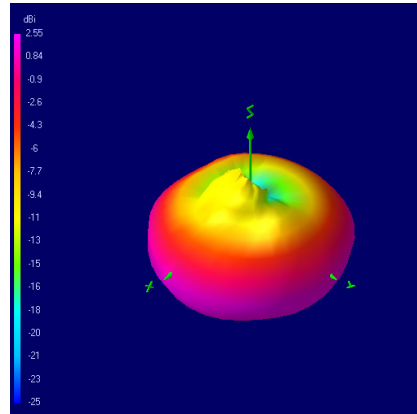
2448 MHz



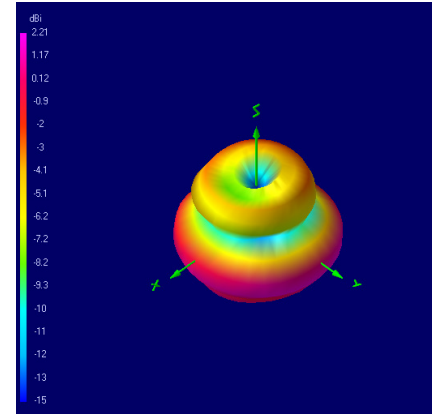
2450 MHz



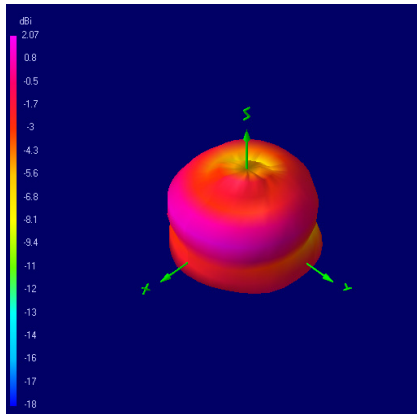
2500 MHz



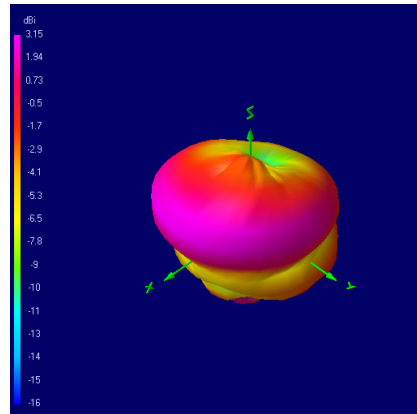
2600 MHz



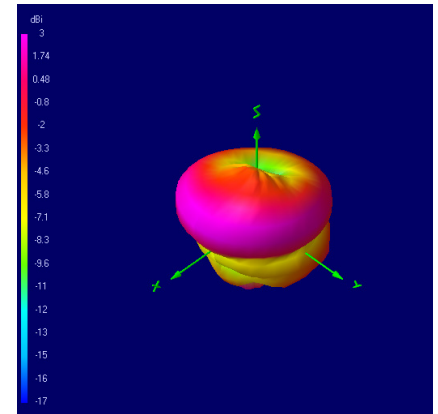
3330 MHz



3432 MHz



3500 MHz



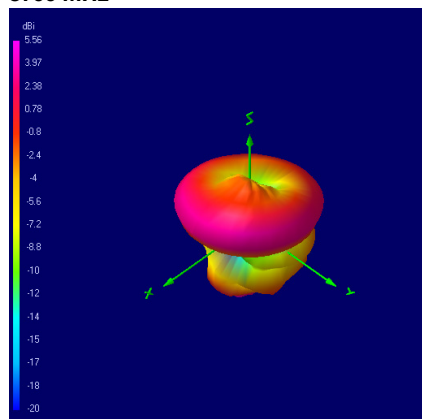


## Delta 56

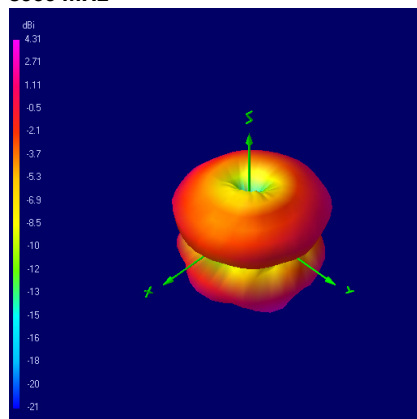
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 3D Radiation Plots

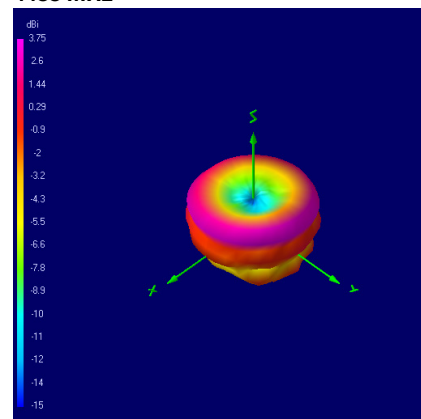
3700 MHz



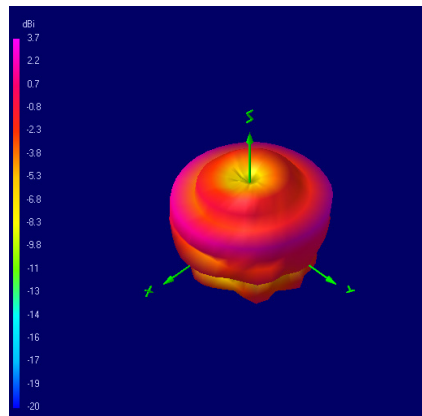
3960 MHz



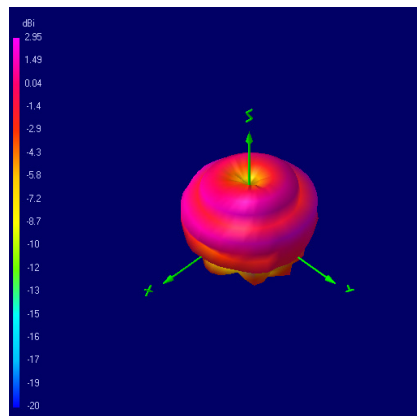
4488 MHz



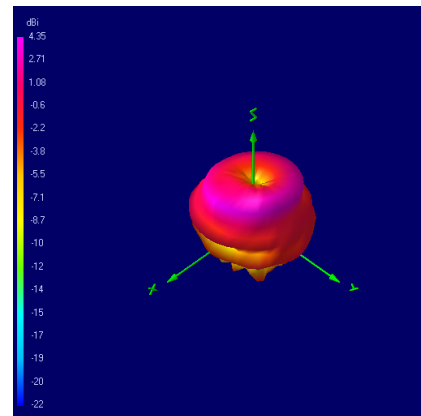
4900 MHz



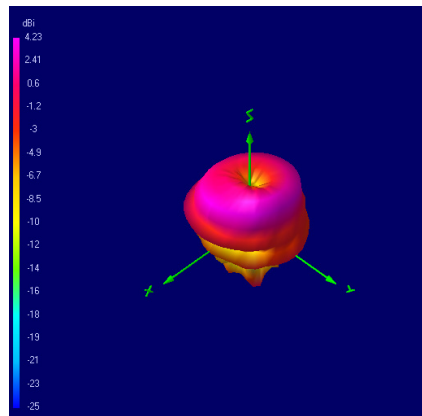
5016 MHz



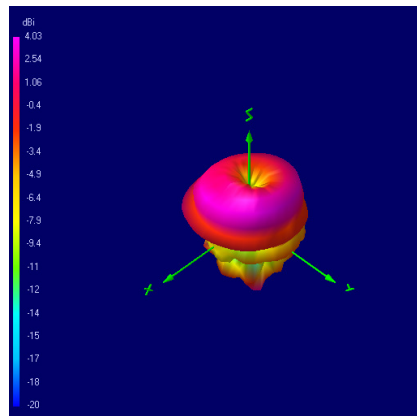
5150 MHz



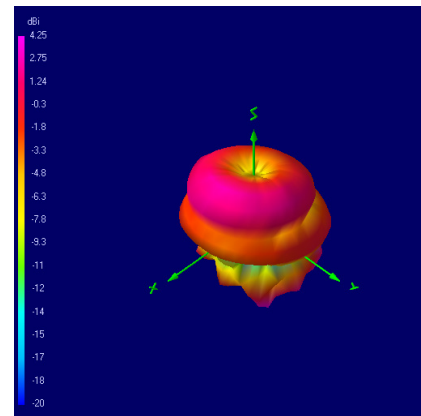
5200 MHz



5240 MHz



5544 MHz

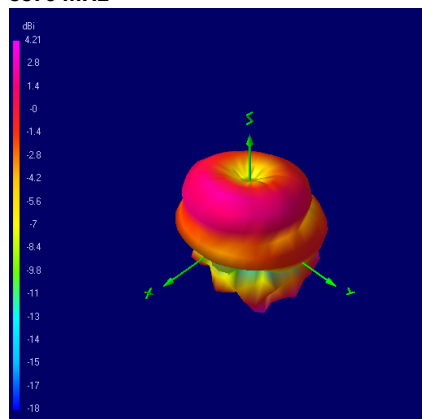


## Delta 56

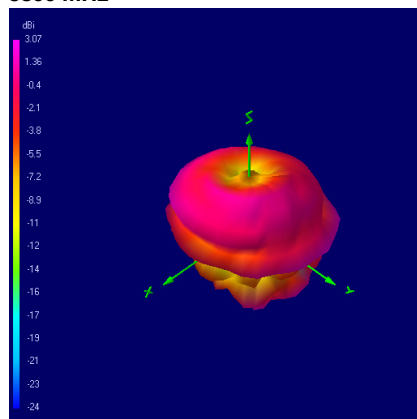
IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna

### 3D Radiation Plots

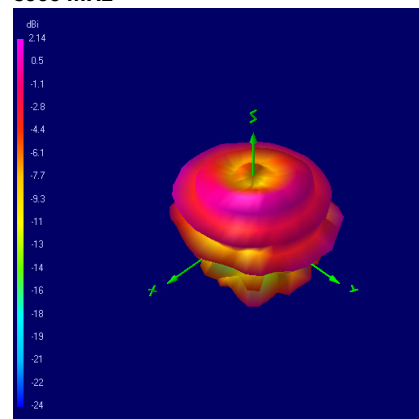
5570 MHz



5800 MHz



5900 MHz



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

### Ordering Details:

Part Number	Description
DELTA56/X/SMAM/S/S/32	IP67 Wideband 5G/4G Hinged Terminal Mount Dipole Antenna SMA Male Connector