

## Oscar 66

5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz



### Key Features

- Supports 5G NR / 4G LTE / 3G UMTS / 2G GSM Bands
- Covers LTE Cat M, LTE Cat NB, NR Cat NB technologies
- Supports Wi-Fi 6 for high-efficiency wireless connectivity in 2.4 GHz and 5 GHz bands
- Wide operating frequency range for multi-technology support (600–6000 MHz)
- Wide beamwidth for extended coverage
- Ground Plane independent for flexible installation
- High isolation between ports to reduce interference
- Supports IoT, M2M, CDMA, DCS, and ISM applications

### General Description

The Oscar 66 is a versatile MIMO panel antenna engineered for both outdoor and indoor installations, providing robust coverage across 5G, 4G LTE, 3G, and 2G bands. This antenna supports a wide frequency range from 600 MHz to 6000 MHz, making it suitable for a broad range of communication technologies, including LTE Cat M and NB-IoT applications.

This high gain wide beamwidth directional antenna is ideal for high data throughput in dense urban or industrial environments. Its durable, UV-resistant radome ensures long-lasting performance in harsh weather conditions. Supplied with a mounting kit for wall or pole installation, the antenna offers flexible positioning for optimal signal reception.

The Oscar 66 is available with SMA male or N-Type female connectors to support varied installation requirements.

### Typical Applications

- Smart city infrastructure and environmental monitoring
- Remote agricultural and site monitoring
- Private network coverage for outdoor areas
- Industrial facility and perimeter monitoring
- Building automation and energy management

O Wall/Pole	5G New Radio	4G LTE	3G UMTS	2G GSM
LTE M	LTE NB-IoT	NR NB-IoT	ISM 868	ISM 915
WiFi 2.4G & 5G	WLAN 2400	WLAN 5800		

### Electrical Specifications

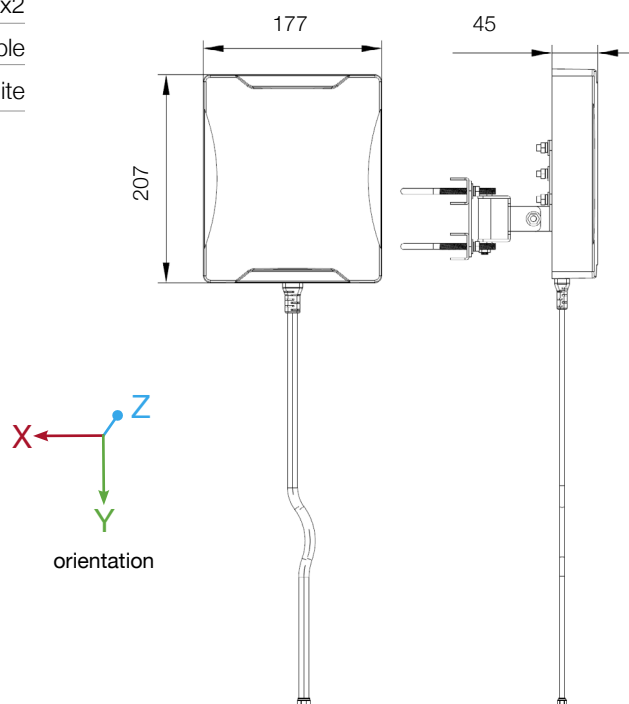
Frequency range:	600-6000 MHz
Impedance:	50 Ohm
Polarisation:	Linear
Peak gain:	Up to 7.5 dBi
Average radiation:	600-960 MHz: 54%, 1400-2690 MHz: 43%, 2690-3300 MHz: 35%, 3300-6000 MHz: 30%
Isolation:	12-28 dB
Max input power:	20 W
Ground plane independent:	Yes

### Environmental Specifications

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

### Mechanical Specifications

Dimensions:	207 mm (L) x 170 mm (W) x 45 mm (H)
Weight:	1.2 kg (including mount kit and 5 m cable)
Connector:	SMA Male x 2 / NTYPE Female x2
Cable length:	0.3M / 5 M Low Loss Cable
Radome materials:	UV-resistant ABS/ASA, White

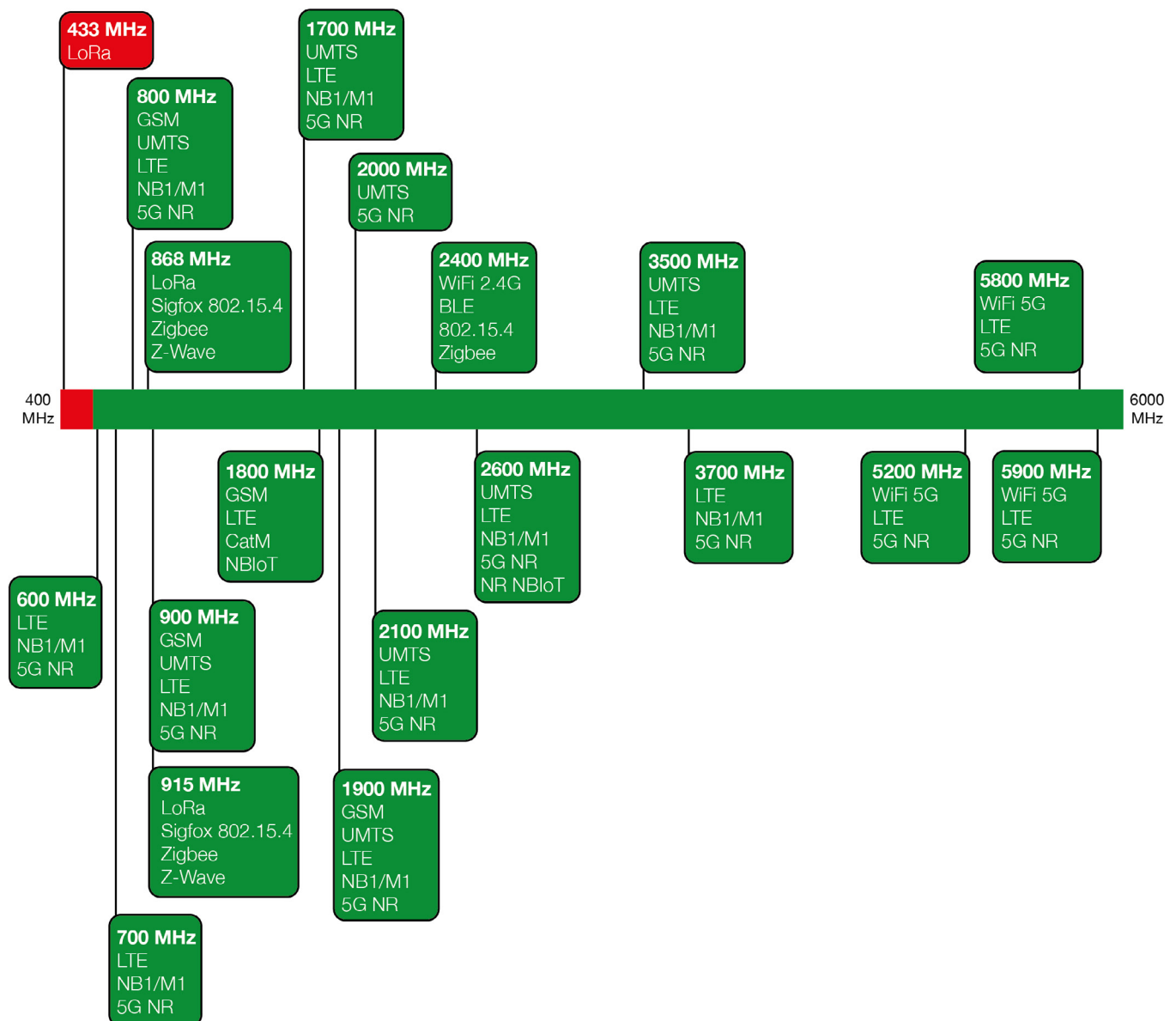




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### Spectrum Coverage



● Suitable band

● Adequate band in good signal conditions

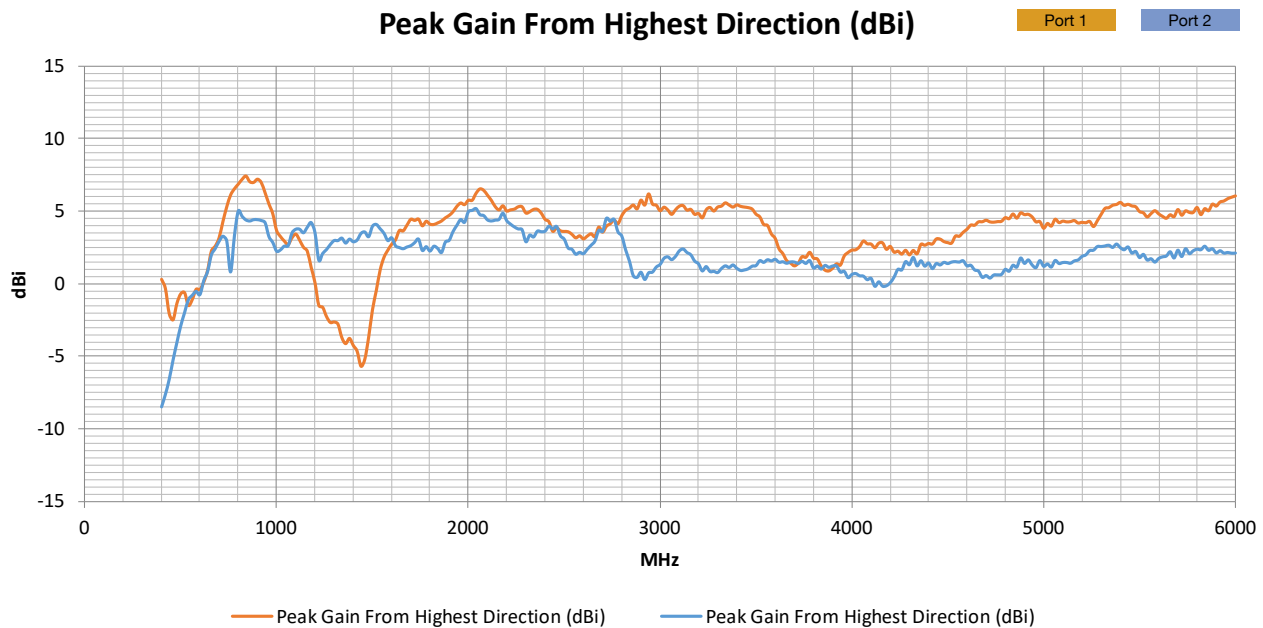
● Likely to be unsuitable



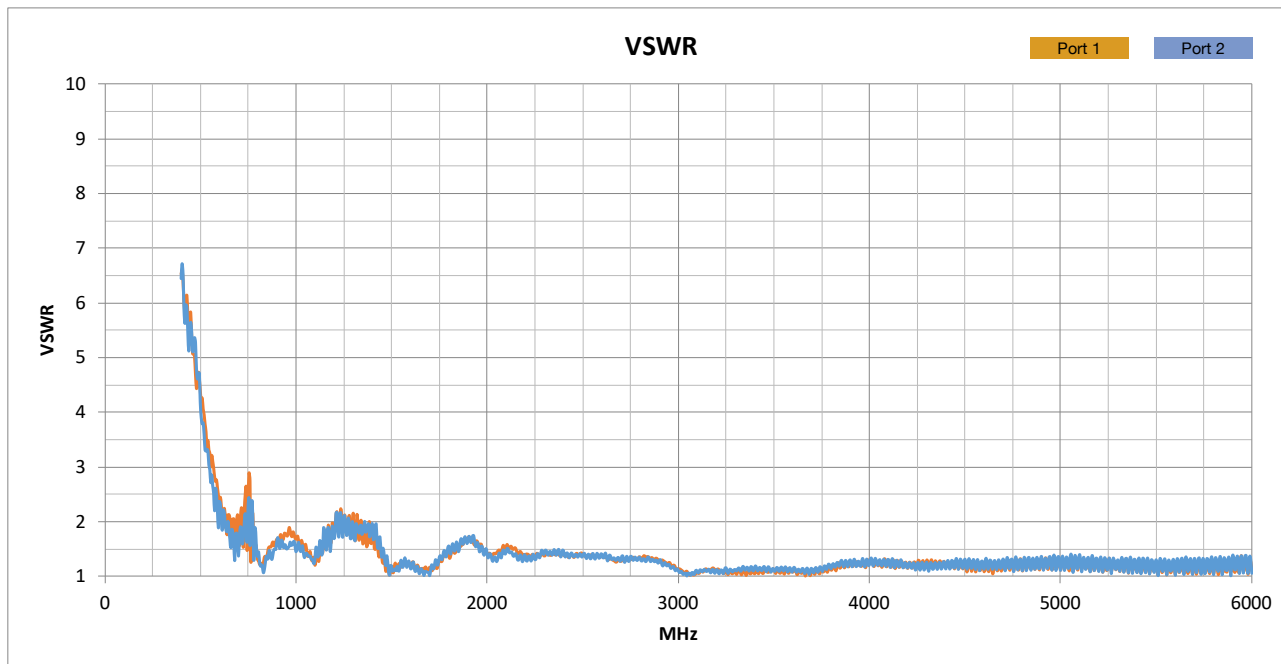
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### Peak Gain vs. Frequency



### VSWR

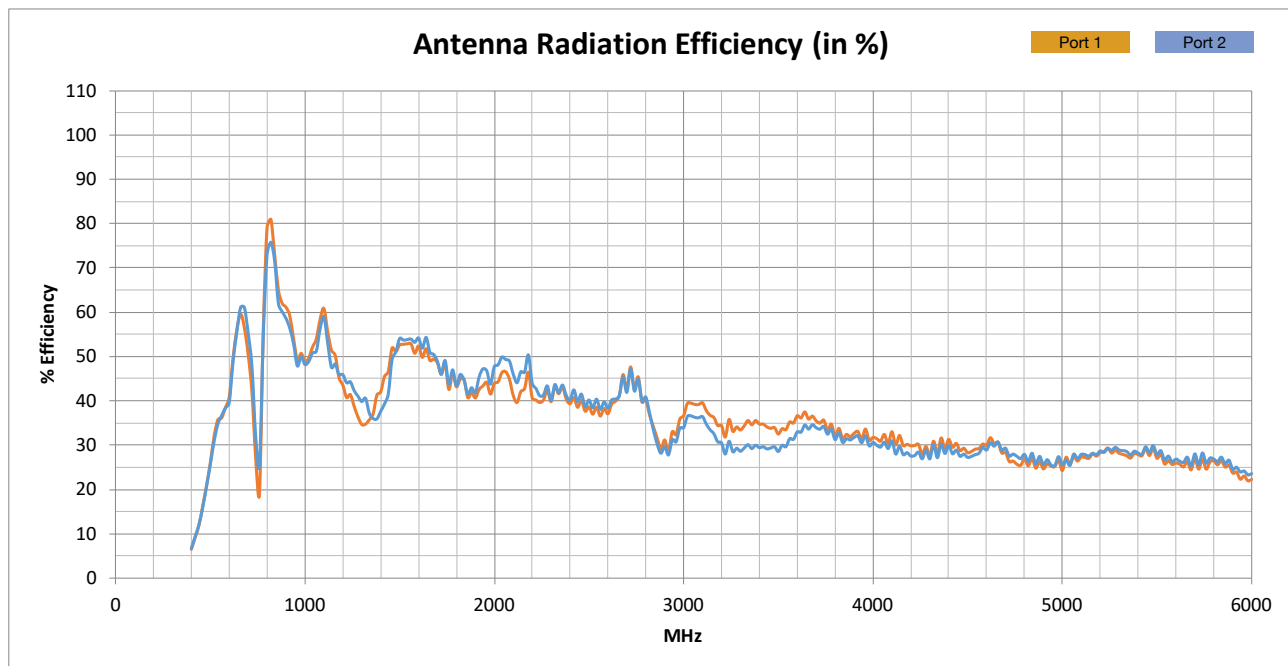




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### Radiation Efficiency





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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		●	●		



## Oscar 66

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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	43.18	41.71	1.67	1.56	●
PCS-1900	2	2	2	2	n2	n2		1850 - 1910 MHz	1930 - 1990 MHz	41.34	43.07	1.73	1.65	●
DCS-1800	3	3	3	3	n3	n3		1710 - 1785 MHz	1805 - 1880 MHz	45.82	43.24	1.40	1.63	●
	4	4	4	4				1710 - 1755 MHz	2110 - 2155 MHz	46.72	41.16	1.31	1.56	●
GSM-850	5	5	5	5	n5	n5		824 - 849 MHz	869 - 894 MHz	74.33	62.13	1.38	1.63	●
	6							830 - 840 MHz	875 - 885 MHz	74.94	62.07	1.37	1.63	●
	7	7	7	7	n7	n7		2500 - 2570 MHz	2620 - 2690 MHz	37.61	41.76	1.40	1.37	●
E-GSM-900	8	8	8	8	n8	n8		880 - 915 MHz	925 - 960 MHz	61.02	53.43	1.71	1.80	●
	9	9						1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	44.50	41.74	1.40	1.63	●
	10	10						1710 - 1770 MHz	2110 - 2170 MHz	45.89	41.71	1.36	1.56	●
	11	11	11	11				1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	46.78	51.56	1.58	1.20	●
	12	12	12	12	n12	n12		699 - 716 MHz	729 - 746 MHz	47.31	29.21	2.26	2.63	●
	13	13	13	13	n13			777 - 787 MHz	746 - 756 MHz	58.08	22.69	1.93	2.90	●
	14	14	14	14	n14	n14		788 - 798 MHz	758 - 768 MHz	71.03	25.23	1.59	2.81	●
		17		17				704 - 716 MHz	734 - 746 MHz	46.27	27.48	2.26	2.63	●
		18	18	18	n18	n18		815 - 830 MHz	860 - 875 MHz	79.50	63.77	1.25	1.59	●
	19	19	19	19				830 - 845 MHz	875 - 890 MHz	73.94	61.93	1.37	1.63	●
	20	20	20	20	n20	n20		832 - 862 MHz	791 - 821 MHz	70.13	78.17	1.54	1.57	●
	21	21	21	21				1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	50.57	52.58	1.41	1.19	●
	22	22						3410 - 3490 MHz	3510 - 3590 MHz	34.11	34.38	1.13	1.15	●
		24	24	24	n24	n24		1626.5 - 1660.5 MHz	1525 - 1559 MHz	50.67	52.82	1.21	1.26	●
	25	25	25	25	n25	n25		1850 - 1915 MHz	1930 - 1995 MHz	41.38	43.07	1.73	1.65	●
	26	26	26	26	n26	n26		814 - 849 MHz	859 - 894 MHz	76.07	62.75	1.38	1.63	●
		27	27					807 - 824 MHz	852 - 869 MHz	80.26	65.28	1.26	1.54	●
		28	28	28	n28	n28		703 - 748 MHz	758 - 803 MHz	37.08	52.92	2.63	2.81	●

● 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	41.96	42.61	2.36	2.81	●
		29			n29			N/A	717 - 728 MHz	N/A	40.04	N/A	2.25	●
		30			n30			2305 - 2315 MHz	2350 - 2360 MHz	41.53	42.76	1.41	1.43	●
		31	31	31				452.5 - 457.5 MHz	462.5 - 467.5 MHz	15.19	17.44	5.61	5.08	●
	32	32						N/A	1452 - 1496 MHz	N/A	51.42	N/A	1.34	●
		33						1900 - 1920 MHz	1900 - 1920 MHz	41.60	41.60	1.73	1.73	●
		34			n34			2010 - 2025 MHz	2010 - 2025 MHz	44.30	44.30	1.42	1.42	●
		35						1850 - 1910 MHz	1850 - 1910 MHz	41.34	41.34	1.73	1.73	●
		36						1930 - 1990 MHz	1930 - 1990 MHz	43.07	43.07	1.65	1.65	●
		37						1910 - 1930 MHz	1910 - 1930 MHz	42.42	42.42	1.70	1.70	●
		38			n38			2570 - 2620 MHz	2570 - 2620 MHz	37.91	37.91	1.38	1.38	●
		39	39		n39			1880 - 1920 MHz	1880 - 1920 MHz	41.43	41.43	1.73	1.73	●
		40	40		n40			2300 - 2400 MHz	2300 - 2400 MHz	41.59	41.59	1.43	1.43	●
		41	41	41	n41	n41		2496 - 2690 MHz	2496 - 2690 MHz	39.20	39.20	1.42	1.42	●
		42	42	42				3400 - 3600 MHz	3400 - 3600 MHz	34.23	34.23	1.15	1.15	●
		43	43	43				3600 - 3800 MHz	3600 - 3800 MHz	35.47	35.47	1.18	1.18	●
		44						703 - 803 MHz	703 - 803 MHz	42.72	42.72	2.90	2.90	●
		45						1447 - 1467 MHz	1447 - 1467 MHz	50.70	50.70	1.45	1.45	●
		46			n46			5150 - 5925 MHz	5150 - 5925 MHz	26.84	26.84	1.33	1.33	●
		47			n47			5855 - 5925 MHz	5855 - 5925 MHz	24.57	24.57	1.22	1.22	●
		48	48	48	n48			3550 - 3700 MHz	3550 - 3700 MHz	36.06	36.06	1.15	1.15	●
		49						3550 - 3700 MHz	3550 - 3700 MHz	36.06	36.06	1.15	1.15	●
		50			n50			1432 - 1517 MHz	1432 - 1517 MHz	50.78	50.78	1.52	1.52	●
		51			n51			1427 - 1432 MHz	1427 - 1432 MHz	46.00	46.00	1.62	1.62	●
		52						3300 - 3400 MHz	3300 - 3400 MHz	34.83	34.83	1.11	1.11	●

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● 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
		53			n53			2483.5 - 2495 MHz	2483.5 - 2495 MHz	38.12	38.12	1.43	1.43	●
								1670 - 1675 MHz	1670 - 1675 MHz	49.30	49.30	1.17	1.17	●
		65		65	n65	n65		1920 - 2010 MHz	2110 - 2200 MHz	43.17	42.54	1.67	1.56	●
		66	66	66	n66	n66		1710 - 1780 MHz	2110 - 2200 MHz	45.81	42.54	1.40	1.56	●
		67			n67			N/A	738 - 758 MHz	N/A	23.88	N/A	2.90	●
		68						698 - 728 MHz	753 - 783 MHz	44.64	35.71	2.26	2.90	●
		69						N/A	2570 - 2620 MHz	N/A	37.91	N/A	1.38	●
		70		70	n70	n70		1695 - 1710 MHz	1995 - 2020 MHz	48.13	44.01	1.17	1.46	●
		71	71	71	n71	n71		663 - 698 MHz	617 - 652 MHz	55.73	53.90	2.13	2.24	●
		72	72	72				451 - 456 MHz	461 - 466 MHz	14.86	17.10	5.74	5.08	●
		73	73	73				450 - 455 MHz	460 - 465 MHz	14.64	16.87	5.83	5.08	●
		74	74	74	n74	n74		1427 - 1470 MHz	1475 - 1518 MHz	48.88	52.10	1.62	1.22	●
		75			n75			N/A	1432 - 1517 MHz	N/A	50.78	N/A	1.52	●
		76			n76			N/A	1427 - 1432 MHz	N/A	46.00	N/A	1.62	●
					n77			3300 - 4200 MHz	3300 - 4200 MHz	33.47	33.47	1.32	1.32	●
					n78			3300 - 3800 MHz	3300 - 3800 MHz	34.85	34.85	1.18	1.18	●
					n79			4400 - 5000 MHz	4400 - 5000 MHz	27.75	27.75	1.34	1.34	●
					n80			1710 - 1785 MHz	N/A	45.82	N/A	1.40	N/A	●
					n81			880 - 915 MHz	N/A	61.02	N/A	1.71	N/A	●
					n82			832 - 862 MHz	N/A	70.13	N/A	1.54	N/A	●
					n83			703 - 748 MHz	N/A	37.08	N/A	2.63	N/A	●
					n84			1920 - 1980 MHz	N/A	43.18	N/A	1.67	N/A	●
		85	85	85	n85			698 - 716 MHz	728 - 746 MHz	47.51	29.57	2.26	2.63	●
					n86			1710 - 1780 MHz	N/A	45.81	N/A	1.40	N/A	●
		87	87	87				410 - 415 MHz	420 - 425 MHz	8.17	9.50	6.40	6.10	●

● 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	8.43	9.77	6.24	6.12	●
					n89			824 - 849 MHz	N/A	74.33	N/A	1.38	N/A	●
					n90	n90		2496 - 2690 MHz	2496 - 2690 MHz	39.20	39.20	1.42	1.42	●
					n91			832 - 862 MHz	1427 - 1432 MHz	70.13	46.00	1.54	1.62	●
					n92			832 - 862 MHz	1432 - 1517 MHz	70.13	50.78	1.54	1.52	●
					n93			880 - 915 MHz	1427 - 1432 MHz	61.02	46.00	1.71	1.62	●
					n94			880 - 915 MHz	1432 - 1517 MHz	61.02	50.78	1.71	1.52	●
					n95			2010 - 2025 MHz	N/A	44.30	N/A	1.42	N/A	●
					n97			2300 - 2400 MHz	N/A	41.59	N/A	1.43	N/A	●
					n98			1880 - 1920 MHz	N/A	41.43	N/A	1.73	N/A	●
					n99			1626.5 - 1660.5 MHz	N/A	50.67	N/A	1.21	N/A	●
1900					n101			1900 - 1910 MHz	1900 - 1910 MHz	41.12	41.12	1.73	1.73	●
				103				787 - 788 MHz	757 - 758 MHz	64.72	20.19	1.53	2.84	●
								663 - 703 MHz	612 - 652 MHz	55.04	53.05	2.13	2.24	●
							n254	1610 - 1625.5 MHz	2483.5 - 2500 MHz	50.29	38.24	1.27	1.43	●
							n255	1626.5 - 1660.5 MHz	1525 - 1559 MHz	50.67	52.82	1.21	1.26	●
							n256	1980 - 2010 MHz	2170 - 2200 MHz	43.16	44.20	1.49	1.46	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

**NOTE:** For each frequency band, Siretta provides a traffic light indication to show the suitability of the antenna for use at that frequency band. Determination of exactly what makes an antenna good or bad at any frequency is subjective.

The view presented is that of Siretta's engineering team having taken into account the efficiency and VSWR measurements. The end user is advised to use their own criteria and/or testing to confirm suitability.

### ISM Standards Frequency Support

Application	Frequency Range	Efficiency (%)	Maximum VSWR	Peak Gain from highest direction (dBi)	Use Indicator
ISM 433 MHz	433.05 - 434.79 MHz	11.05	5.93	-1.45	●
ISM 868 MHz	863 - 870 MHz	63.91	1.54	7.03	●
ISM 915 MHz	902 - 928 MHz	59.44	1.77	7.19	●
ISM 2.4 GHz	2400 - 2500 MHz	39.21	1.43	4.44	●
Wi-Fi 2.4G	2401 - 2483 MHz	39.41	1.42	4.43	●
Wi-Fi 2.4G (USA)	2401 - 2473 MHz	39.61	1.42	4.43	●
Wi-Fi 2.4G (Japan)	2401 - 2495 MHz	39.24	1.43	4.43	●
Wi-Fi 5G (all channels)	5150 - 5990 MHz	26.51	1.38	6.02	●
Wi-Fi 5G (Ch 32-48)	5150 - 5250 MHz	28.32	1.30	4.36	●
Wi-Fi 5G (Ch 32-64)	5150 - 5330 MHz	28.32	1.33	5.23	●
Wi-Fi 5G (Ch 32-161)	5150 - 5815 MHz	27.14	1.33	5.61	●
Wi-Fi 5G (Ch 32-173)	5150 - 5875 MHz	27.02	1.33	5.61	●
ISM 5.8 GHz	5725 - 5875 MHz	25.84	1.26	5.38	●
UWB band 1	3168 - 3696 MHz	34.69	1.16	5.58	●
UWB band 2	3696 - 4224 MHz	32.21	1.32	2.95	●
UWB band 3	4224 - 4752 MHz	29.31	1.31	4.38	●
UWB band 4	4752 - 5280 MHz	26.67	1.34	4.89	●
UWB band 5	5280 - 5808 MHz	26.85	1.32	5.61	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

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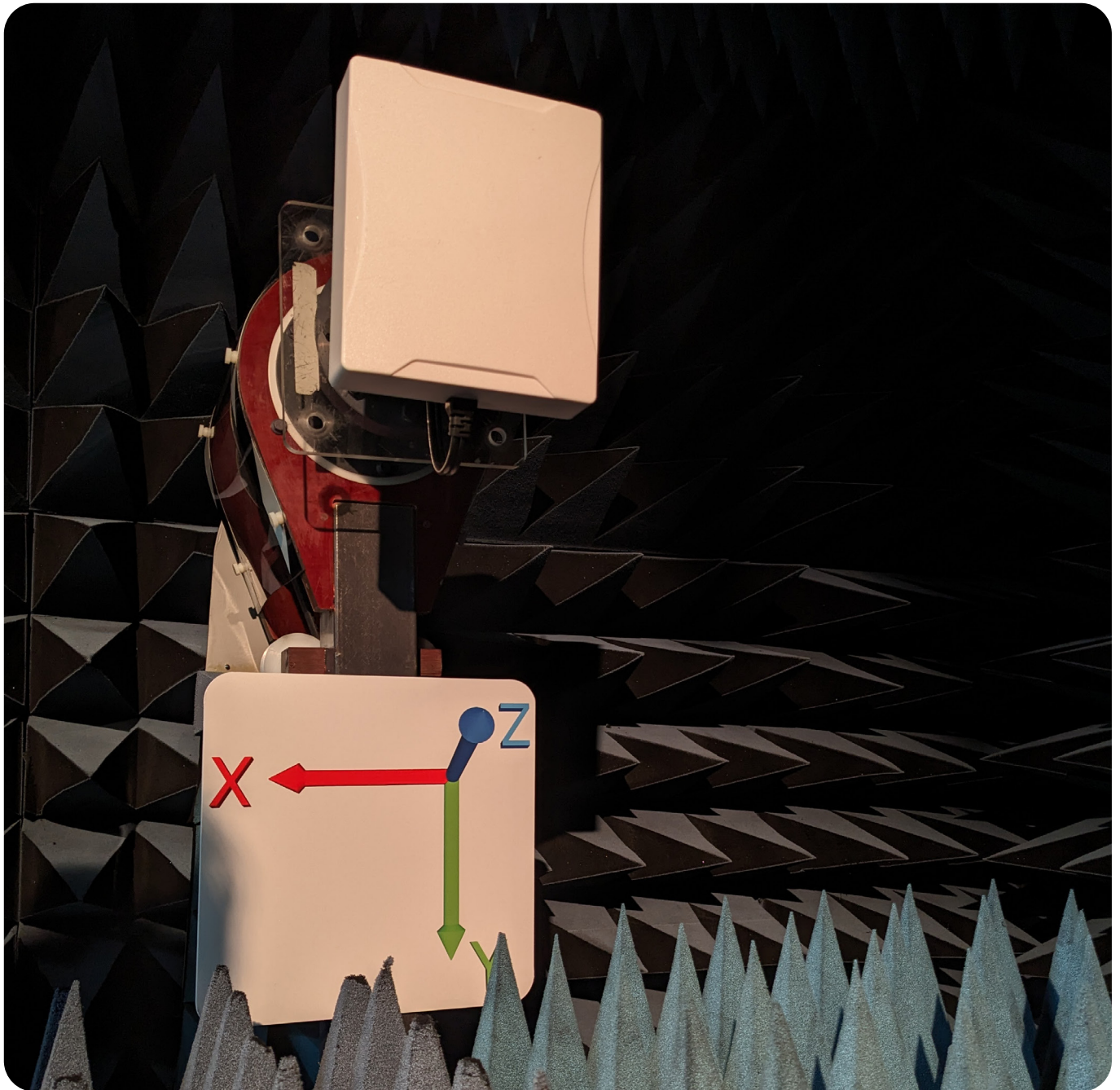
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### Test Setup (in Free Space)



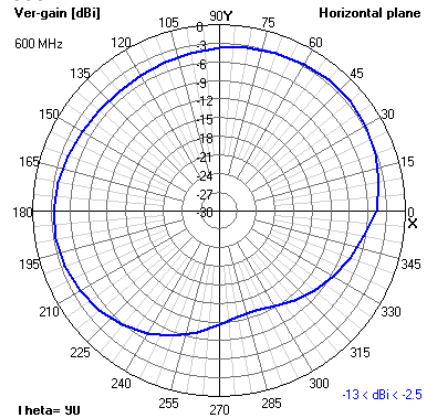


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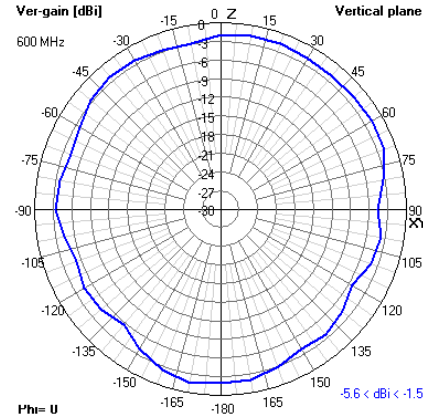
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 2D Radiation Plots

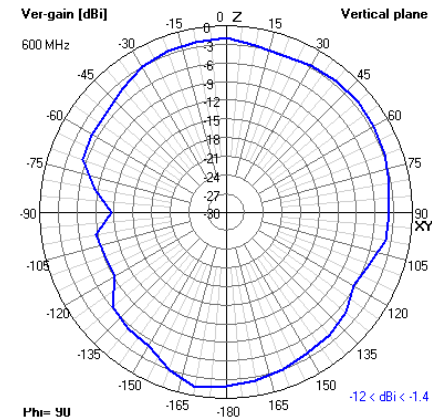
#### 600 MHz XY



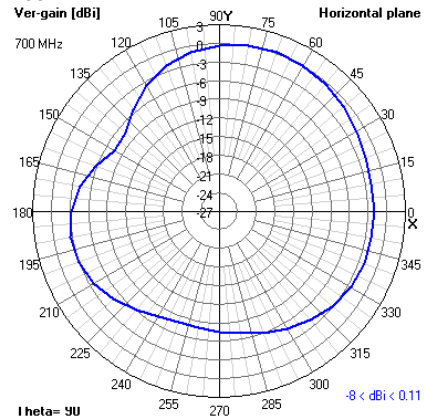
#### XZ



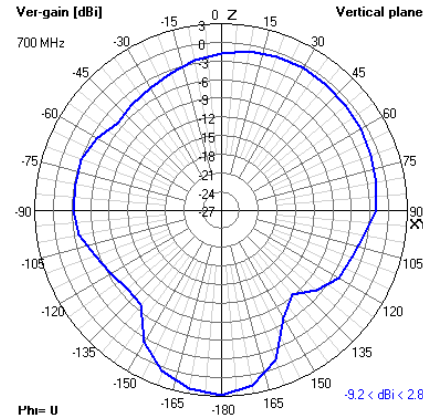
#### YZ



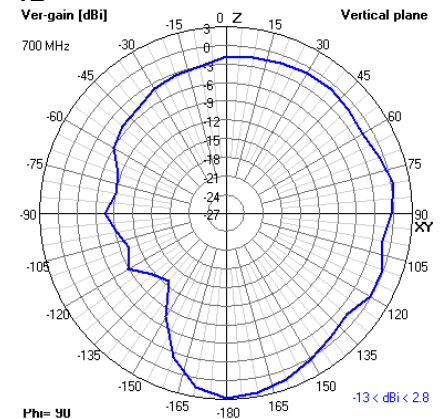
#### 700 MHz XY



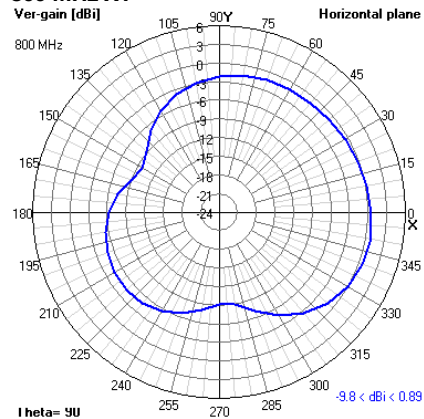
#### XZ



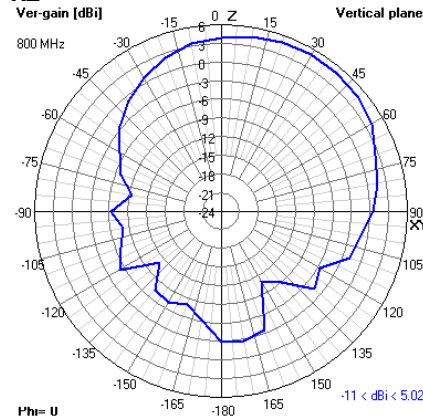
#### YZ



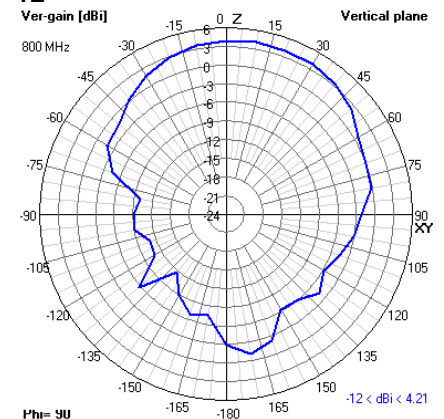
#### 800 MHz XY



#### XZ



#### YZ



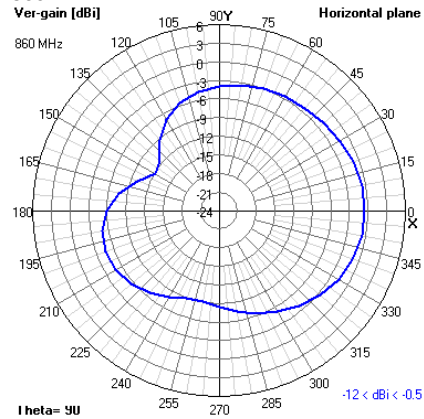


## Oscar 66

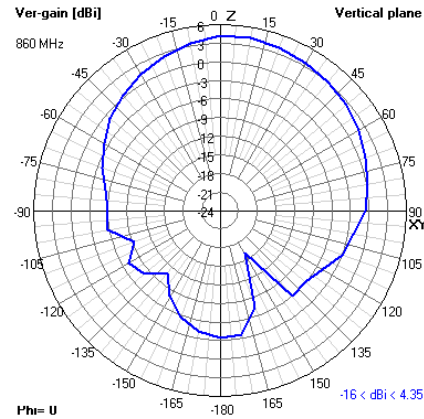
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 2D Radiation Plots

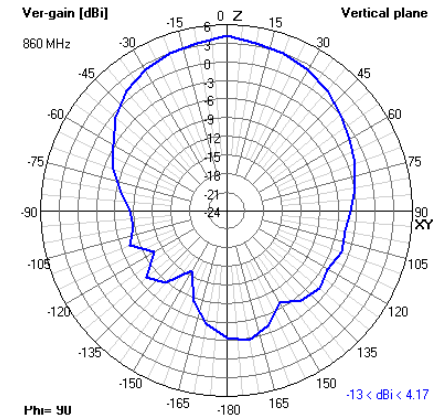
#### 860 MHz XY



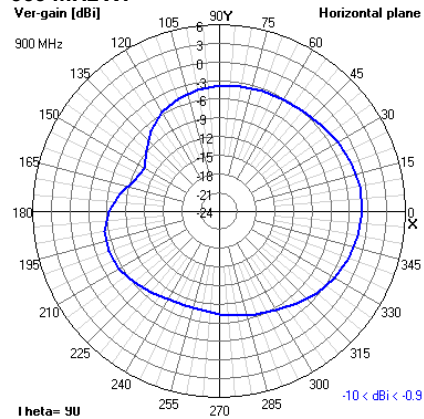
#### XZ



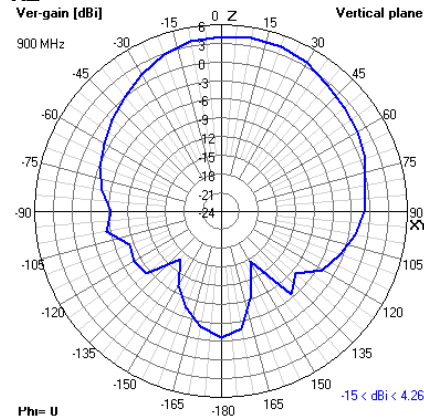
#### YZ



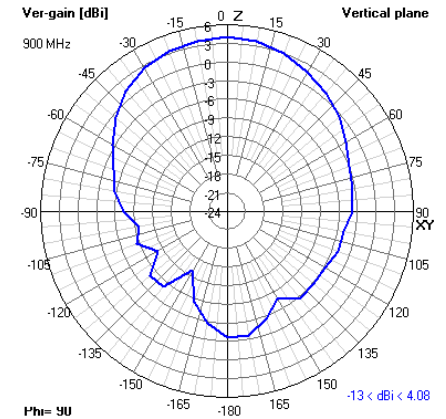
#### 900 MHz XY



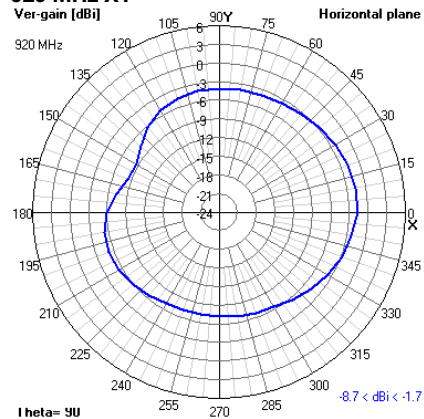
#### XZ



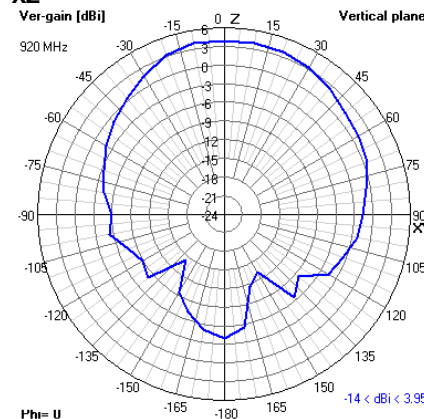
#### YZ



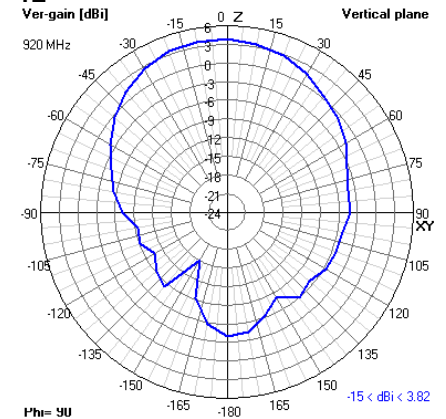
#### 920 MHz XY



#### XZ



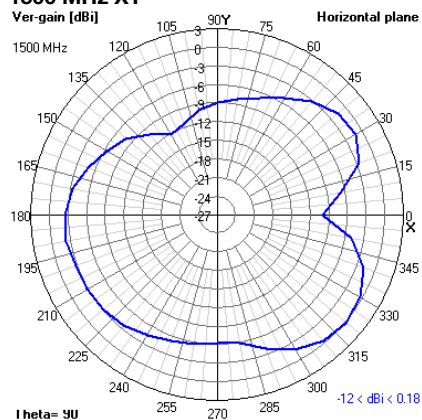
#### YZ



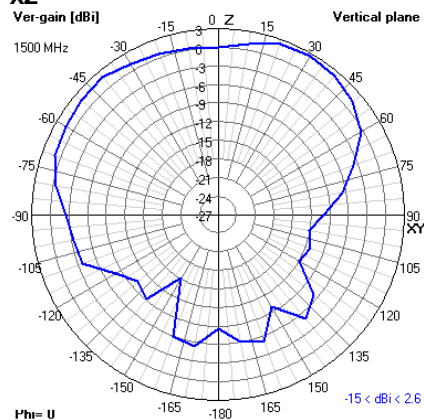


## 2D Radiation Plots

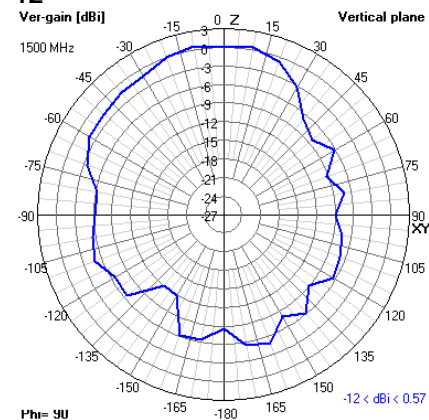
1500 MHz XY



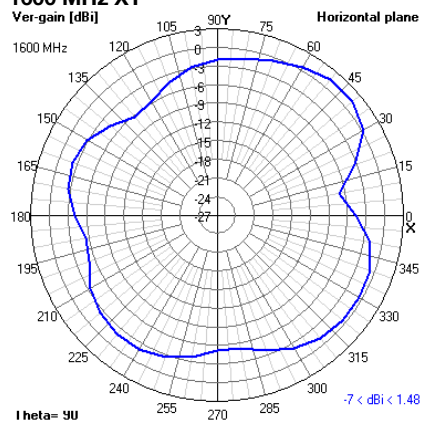
**XZ**



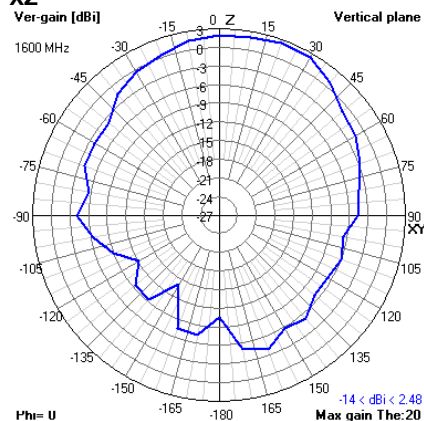
YZ



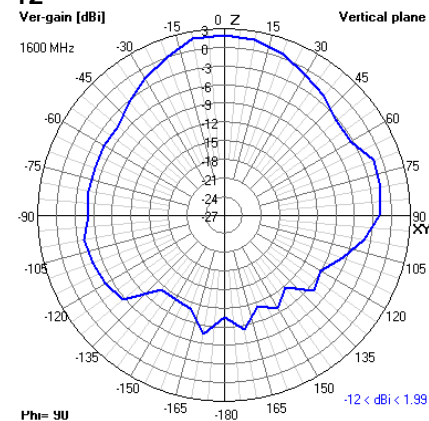
1600 MHz XY



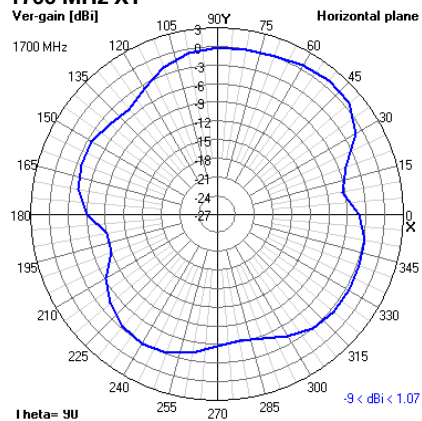
XZ



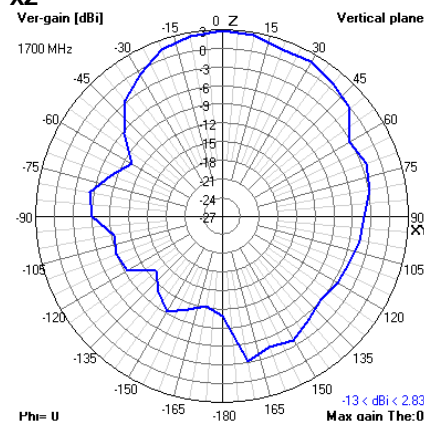
YZ



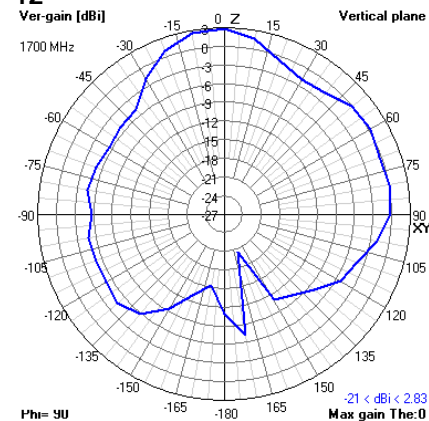
**1700 MHz XY**



XZ



YZ

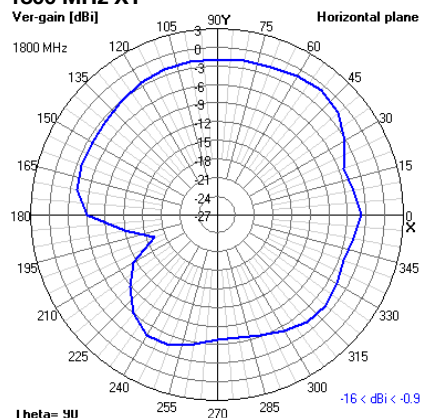




## 5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

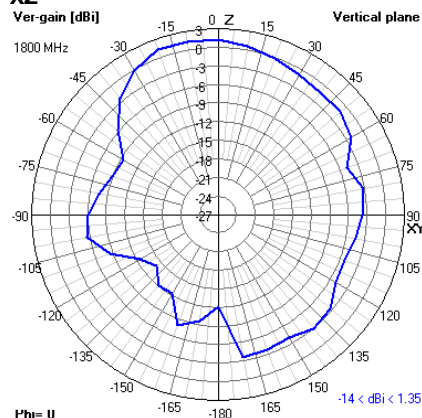
1800 MHz XY

Ver-gain [dBi]



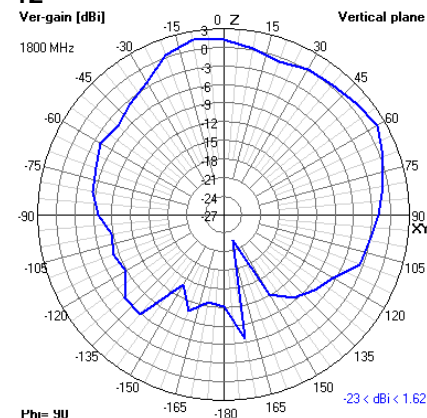
**XZ**

Ver-gain [dBi]



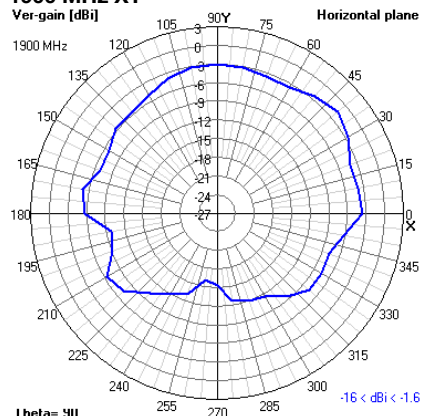
## YZ

Ver-gain [dBi]



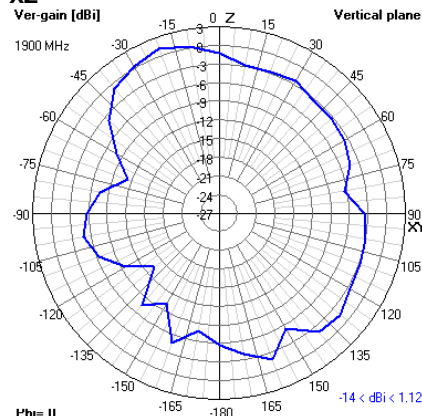
## 1900 MHz XY

Ver-gain [dBi]



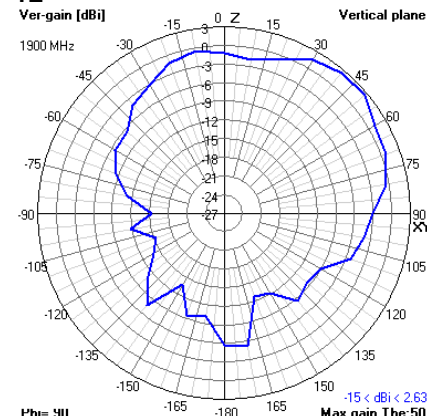
## XZ

Ver-gain [dBi]



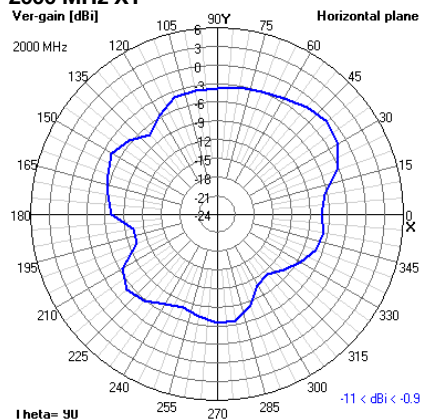
## YZ

Ver-gain [dBi]



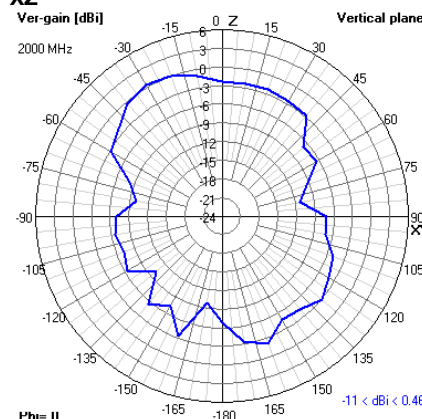
**2000 MHz XY**

Ver-gain [dBi]



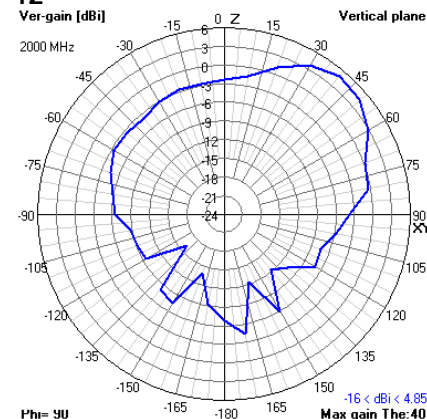
## XZ

Ver-gain [dBi]



## YZ

Ver-gain [dBi]

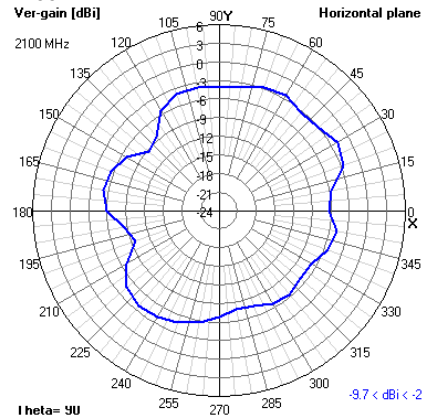


## Oscar 66

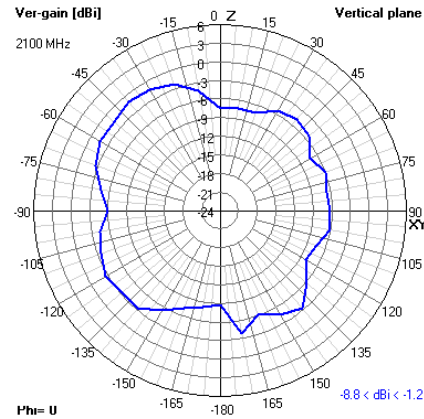
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 2D Radiation Plots

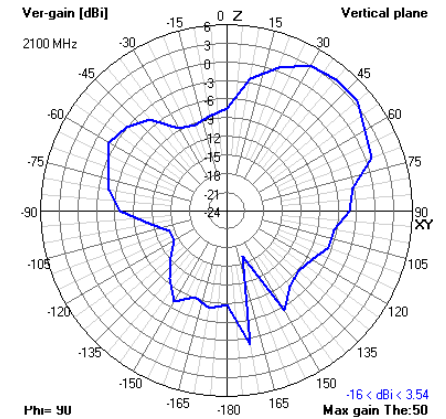
#### 2100 MHz XY



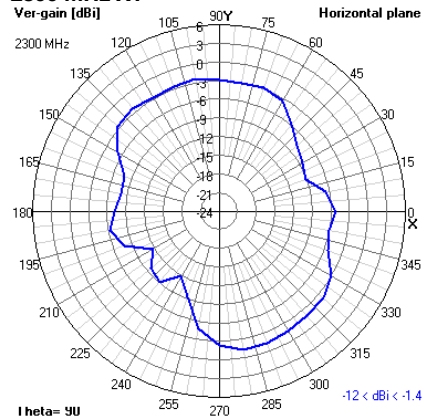
#### XZ



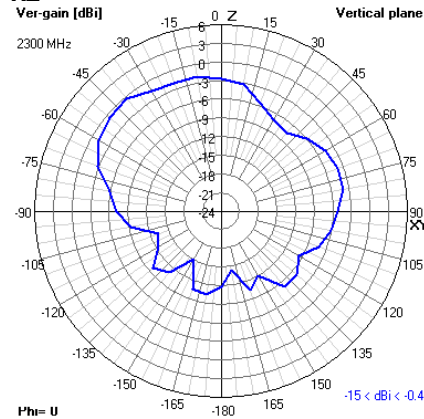
#### YZ



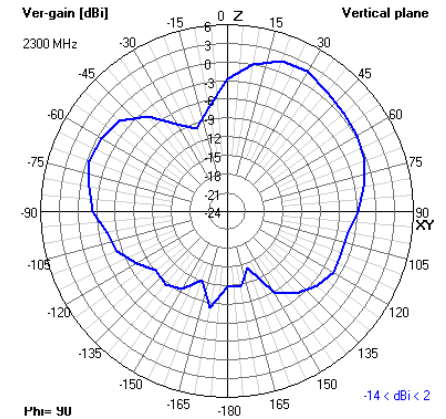
#### 2300 MHz XY



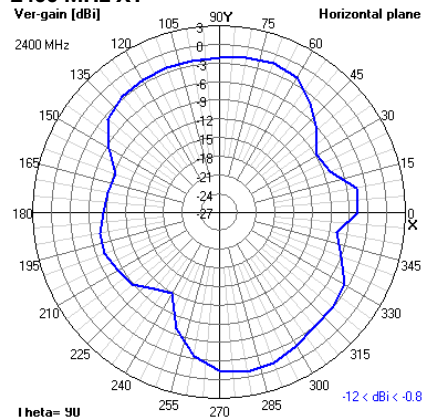
#### XZ



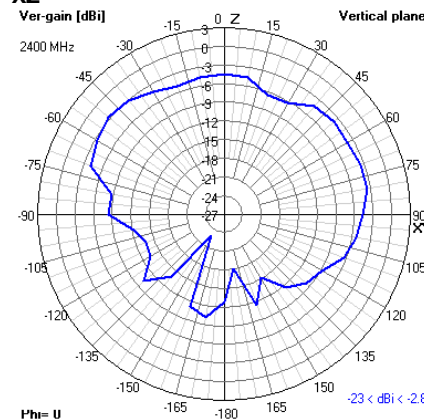
#### YZ



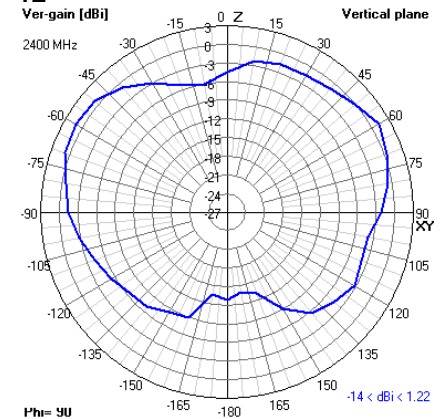
#### 2400 MHz XY



#### XZ



#### YZ





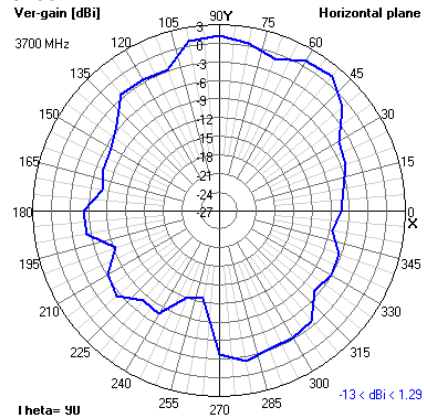


## Oscar 66

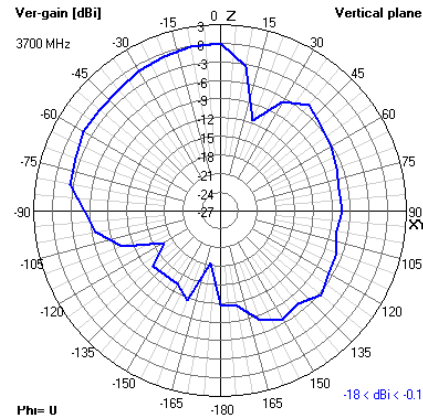
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 2D Radiation Plots

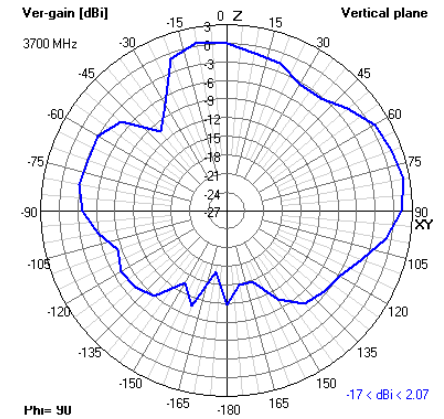
#### 3700 MHz XY



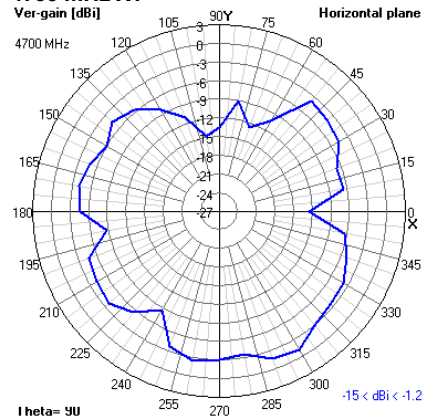
#### XZ



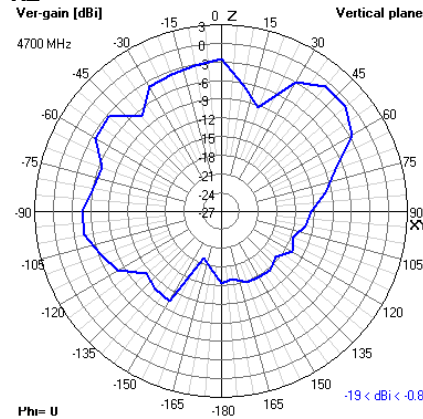
#### YZ



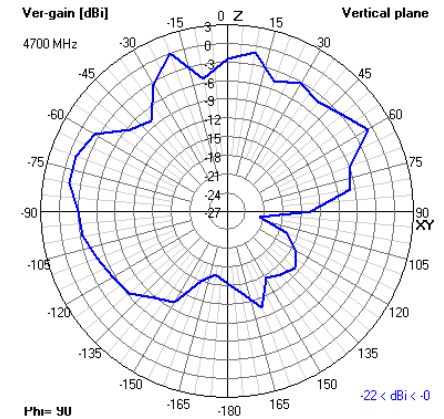
#### 4700 MHz XY



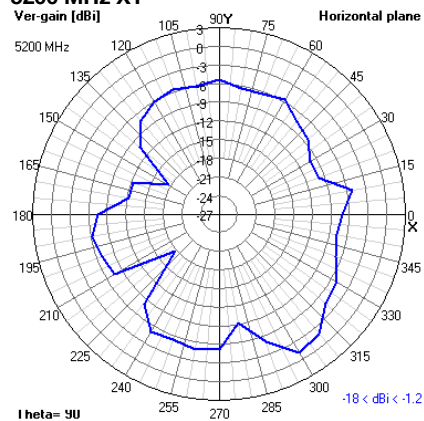
#### XZ



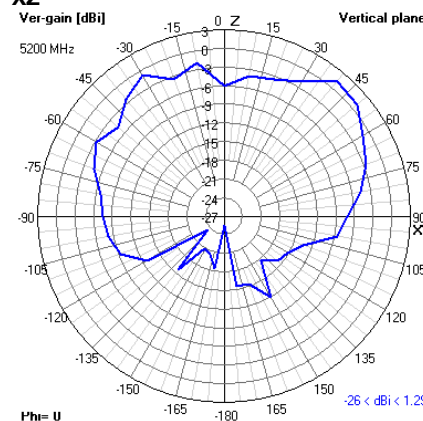
#### YZ



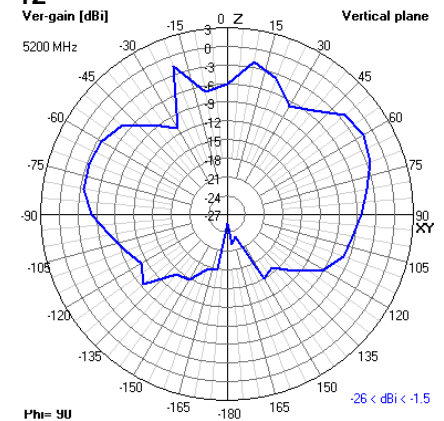
#### 5200 MHz XY



#### XZ



#### YZ



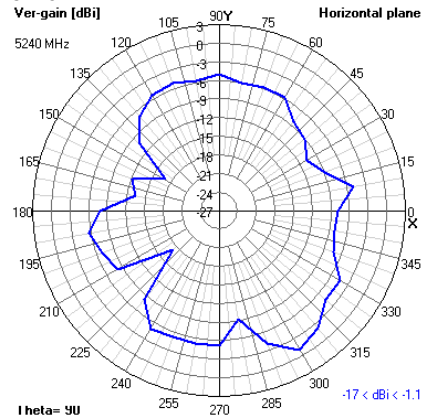


## Oscar 66

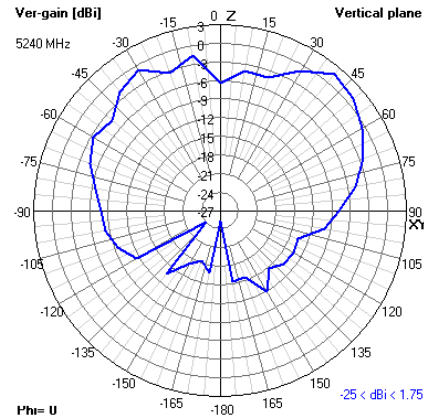
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 2D Radiation Plots

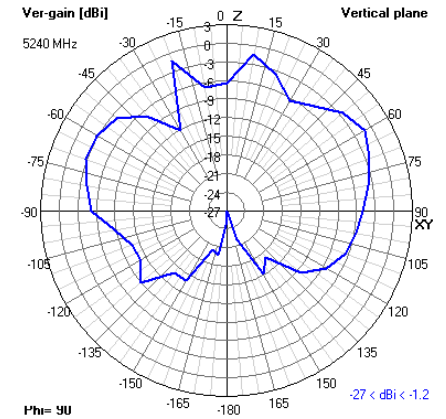
#### 5240 MHz XY



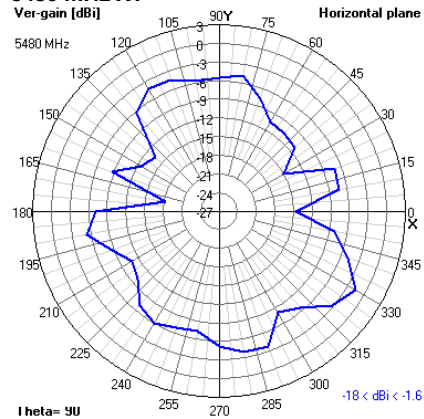
#### XZ



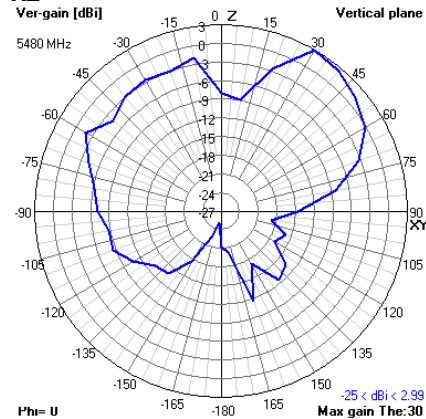
#### YZ



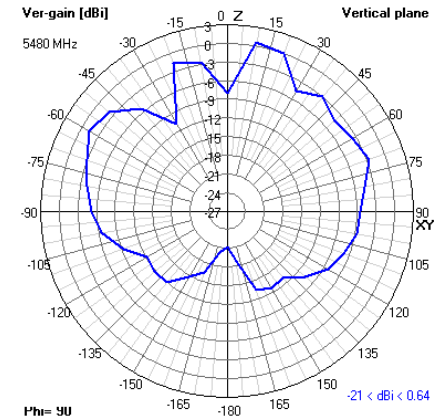
#### 5480 MHz XY



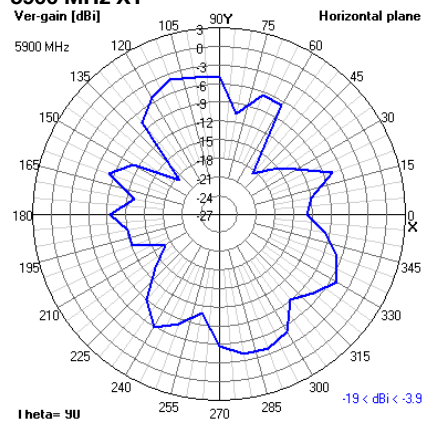
#### XZ



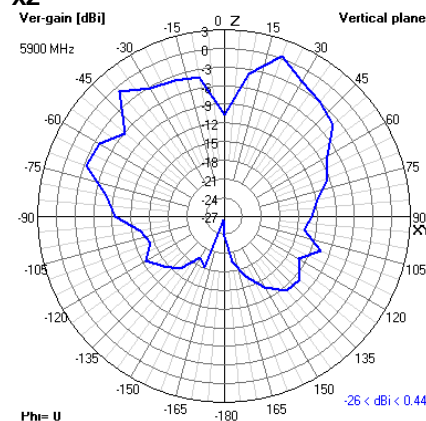
#### YZ



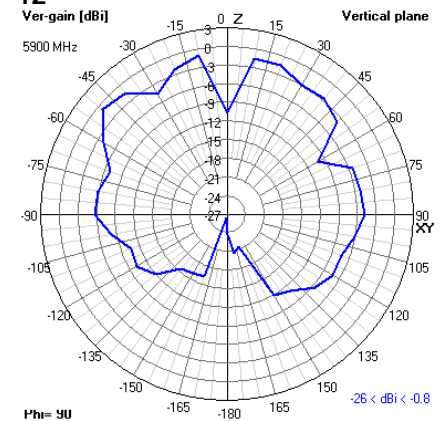
#### 5900 MHz XY



#### XZ



#### YZ

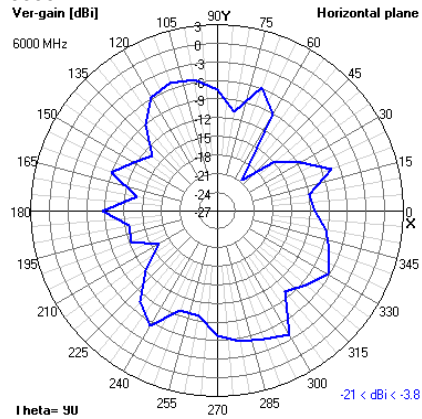


## Oscar 66

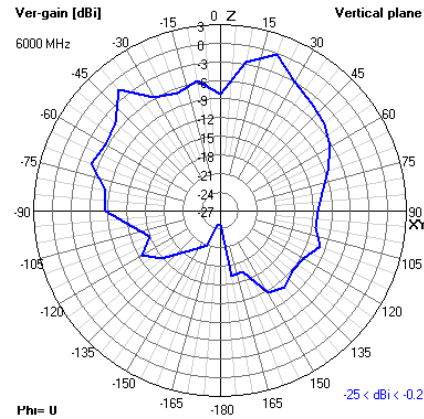
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 2D Radiation Plots

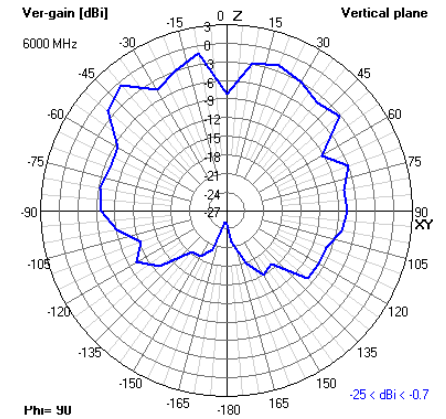
#### 6000 MHz XY



#### XZ



#### YZ



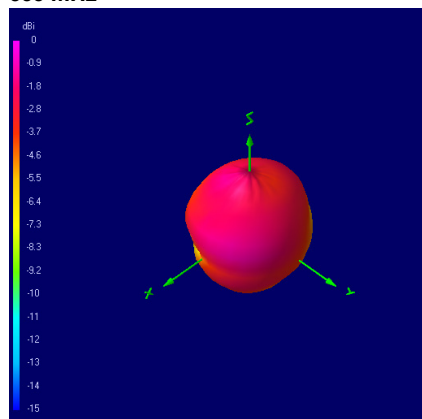


## Oscar 66

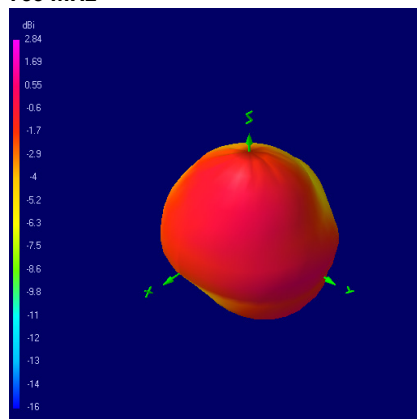
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 3D Radiation Plots

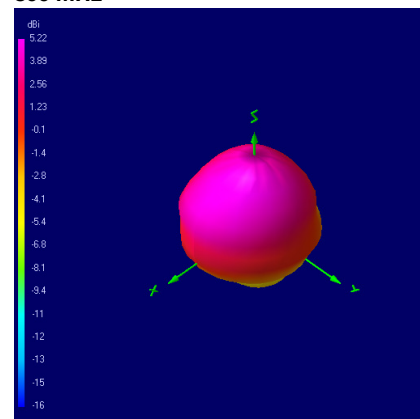
600 MHz



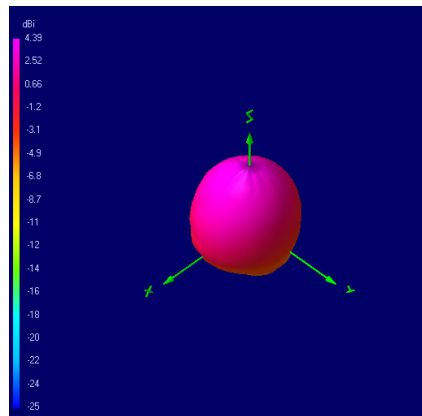
700 MHz



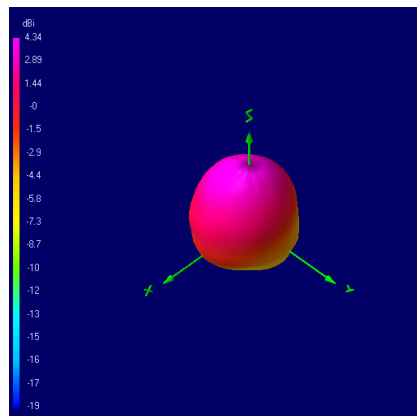
800 MHz



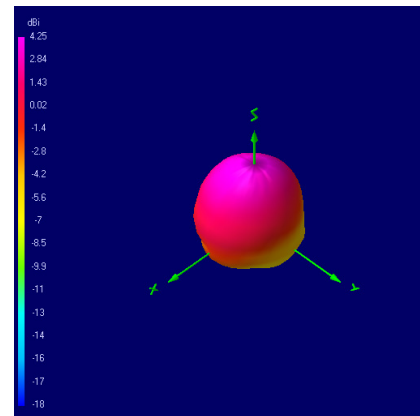
860 MHz



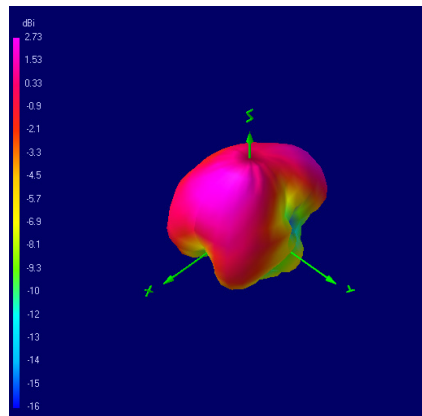
900 MHz



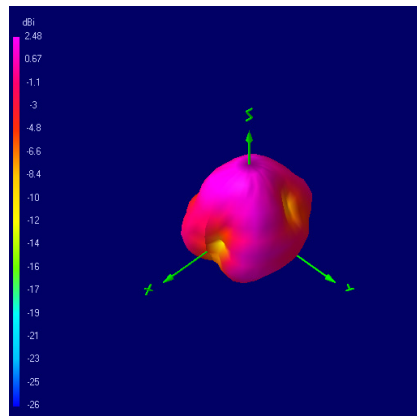
920 MHz



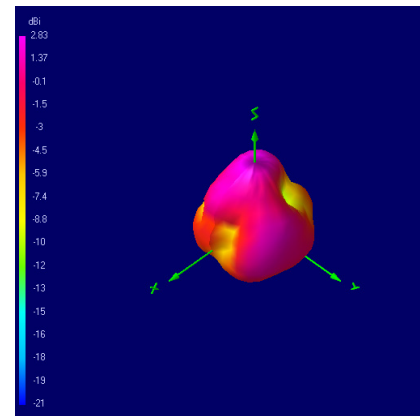
1500 MHz



1600 MHz



1700 MHz





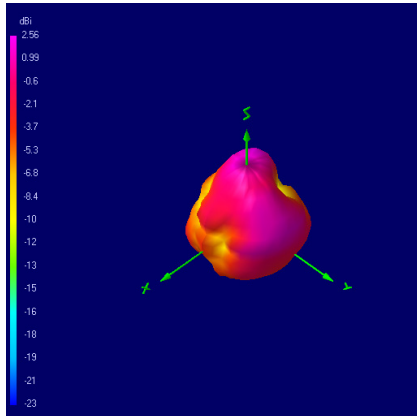


## Oscar 66

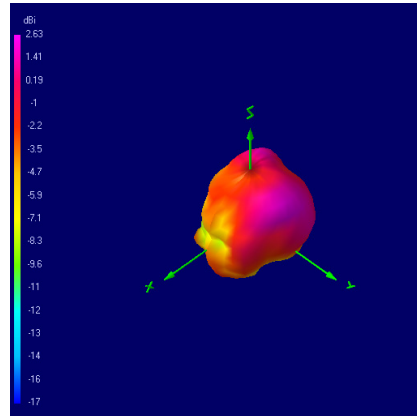
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 3D Radiation Plots

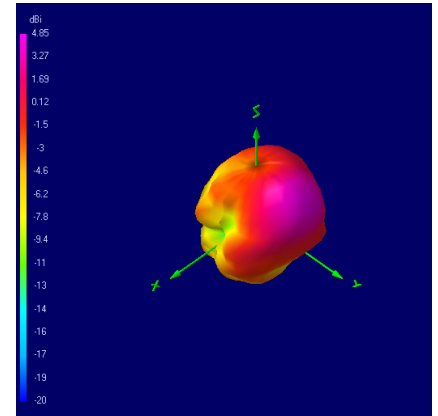
1800 MHz



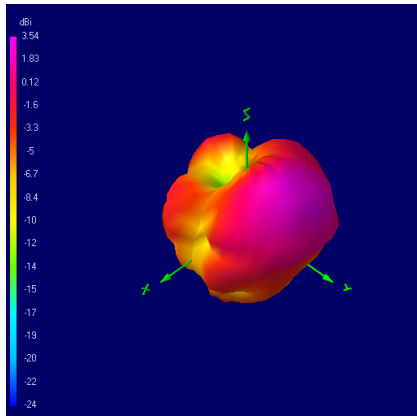
1900 MHz



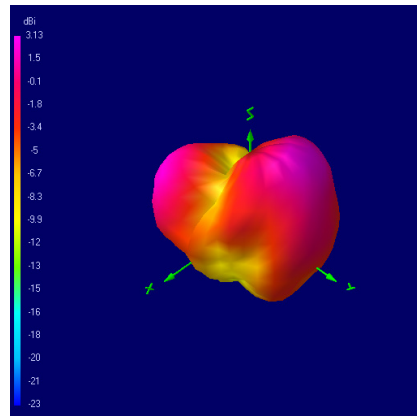
2000 MHz



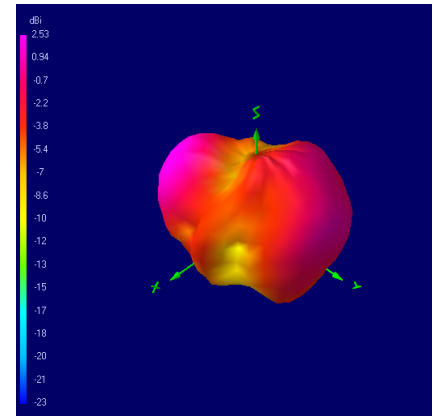
2100 MHz



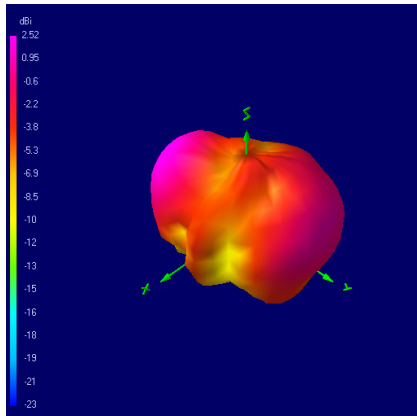
2300 MHz



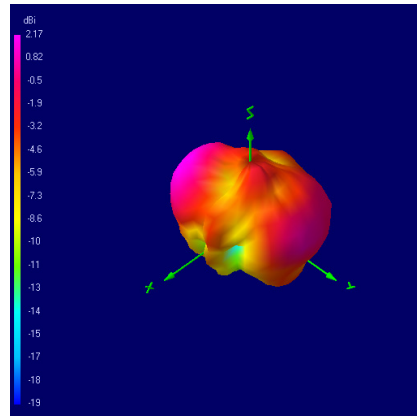
2400 MHz



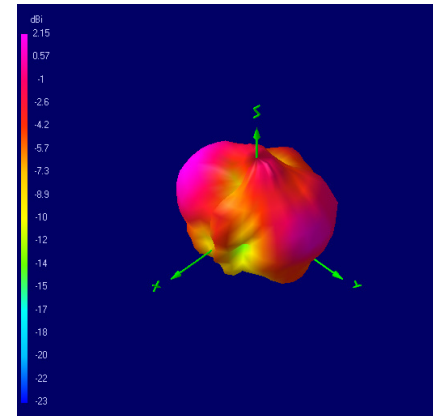
2440 MHz



2480 MHz



2500 MHz



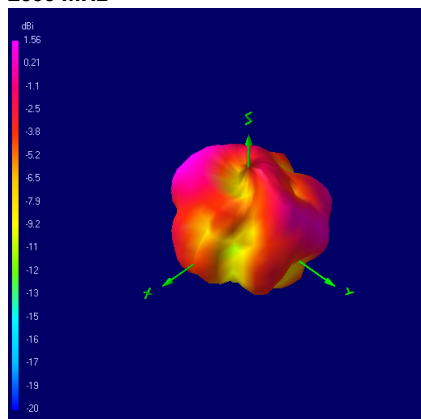


## Oscar 66

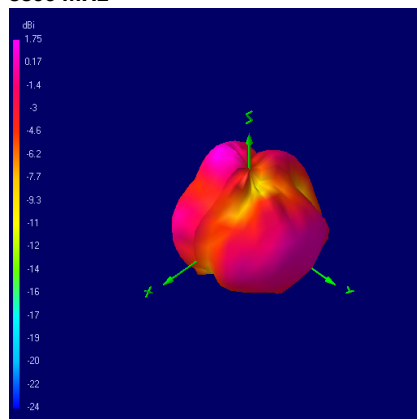
5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 3D Radiation Plots

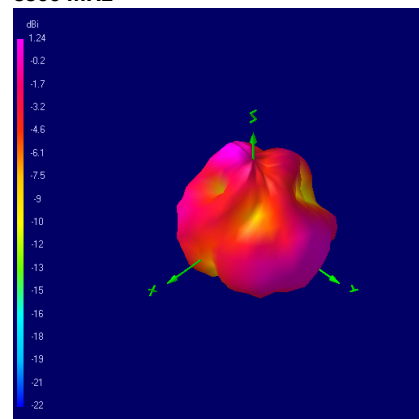
2600 MHz



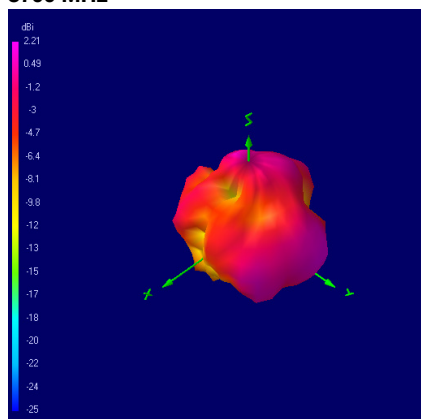
3300 MHz



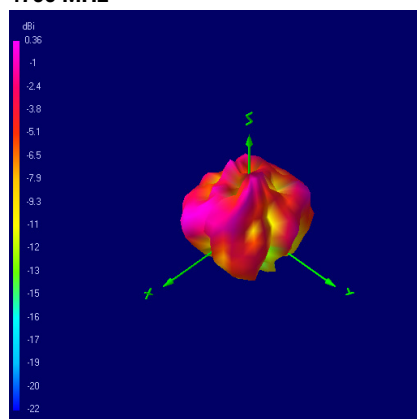
3500 MHz



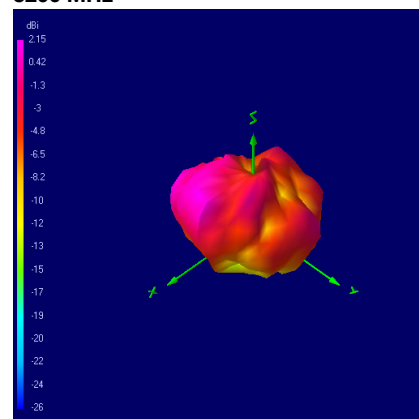
3700 MHz



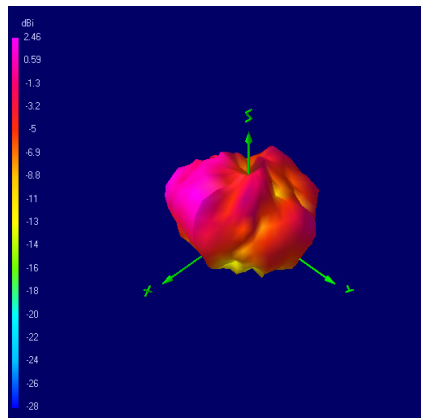
4700 MHz



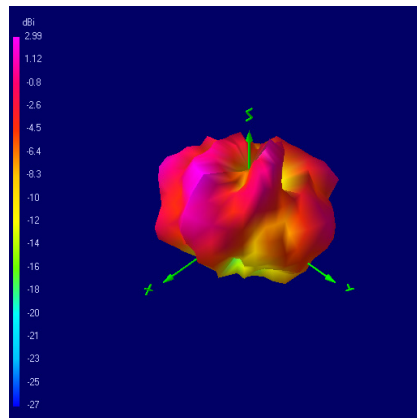
5200 MHz



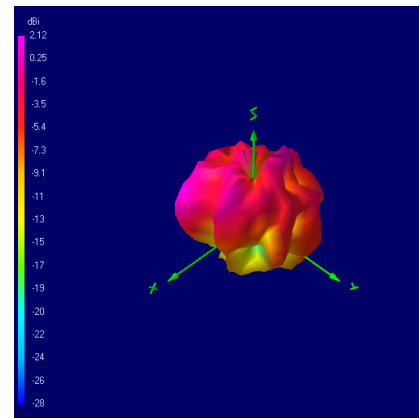
5240 MHz



5480 MHz



5900 MHz



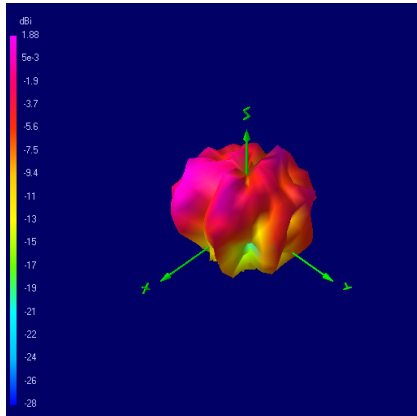


## Oscar 66

5G NR / 4G LTE Wi-Fi 6 2x2 Port MIMO Panel Antenna for 600-6000 MHz

### 3D Radiation Plots

6000 MHz



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

### Ordering Details:

Part Number	Description
OSCAR66/5M /SMAM/S/LL/33	Outdoor Wall or Pole Mounted Wideband MIMO Panel Antenna with 5 m Low Loss Cable, SMA Male
OSCAR66/0.3M/NTYPE-F/S/LL/33	Outdoor Wall or Pole Mounted Wideband MIMO Panel Antenna with 0.3 M Low Loss Cable, N-TYPE Female

### Associated Cables:

For the OSCAR66/0.3/NTYPE-F/S/LL/33, the following cables can be used to extend installation reach and maintain good signal quality.

Part Number	Description	Length (M)	Connector 1	Connector 2
ASMR600A058L13	N-TYPE(M) TO SMA(M) 6M LOW LOSS (SLL200) CABLE ASSEMBLY	6	N type male	SMA male
ASMR1000A058L13	N-TYPE(M) TO SMA(M) 10M LOW LOSS (SLL200) CABLE ASSEMBLY	10	N type male	SMA male
ASMR1500A058L13	N-TYPE(M) TO SMA(M) 15M LOW LOSS (SLL200) CABLE ASSEMBLY	15	N-type male	SMA male
ASMR2000A058L13	N-TYPE(M) TO SMA(M) 20M LOW LOSS (SLL200) CABLE ASSEMBLY	20	N-type male	SMA male