



General Description

The Oscar 71 is a rugged, low-profile antenna designed to provide reliable 5G/4G wireless connectivity for industrial, commercial, and IoT applications across the 700-960 MHz and 1700-6000 MHz frequencies. Its form factor supports a wide range of deployment scenarios, making it ideal for industrial IoT, smart infrastructure, M2M and next-generation connected devices operating in both indoor and outdoor environments.

Designed for maximum installation flexibility, the Oscar 71 can be mounted using the integrated magnetic base, optional 3M adhesive pad for mounting to non-metallic surfaces, supplied screw-mount fixings (including wall plugs), or included zip ties for convenient pole and mast installation. Its IP65-rated enclosure provides dependable protection against dust and water ingress, while the compact housing ensures discreet installation without compromising performance.

The antenna is supplied with a 2.6 m low-loss cable and is available with SMA or Fakra-D connectors as standard. Alternative connector options can also be supplied for high-volume projects, making the Oscar 71 a robust and dependable connectivity solution for a broad range of demanding wireless applications.

Key Features

- IP65-rated for reliable outdoor operation
- Supports 5G NR / 4G LTE / 3G UMTS / 2G Quad-band GSM
- Peak gains of up to 4 dBi
- Durable, low-profile enclosure for discreet installation
- Multiple mounting options including magnetic, adhesive, screw, and pole mounting
- Quick and easy deployment with no specialist tools required
- Magnetic base supplied as standard for rapid deployment
- Suitable for fixed, mobile, and temporary installations
- SMA Male and Fakra-D connector options as standard

Additional Considerations

- Omnidirectional
- Ground plane independent

Typical Applications

- Vehicle telematics, fleet management, and transportation systems
- Smart city infrastructure, kiosks, EV charging stations, and connected public assets
- Industrial IoT gateways, routers, remote monitoring, and asset tracking equipment
- Utility monitoring, environmental sensing, and security applications

Product Features

2G GSM	3G UMTS	4G LTE	5G NR	BLE Bluetooth	IEEE 802.15.4	IP 65	ISM 868	ISM 2.4G	ISM 5.8G	LoRa Wireless
LTE CAT-M	LTE NB-IoT	Omni directional	WIFI 2.4G & 5G	WIFI 4 802.11n	WIFI 5 802.11ac	WIFI 6 802.11ax	ZB Zigbee	Z wave		

Cellular Band Support

B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11
B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22
B23	B24	B25	B26	B27	B28	B28A	B29	B30	B32	B33
B34	B35	B36	B37	B38	B39	B40	B41	B42	B43	B44
B45	B46	B47	B48	B49	B50	B51	B52	B53	B54	B65
B66	B67	B68	B69	B70	B74	B75	B76	B85	B103	B106
B111										

5G NR Band Support

n1	n2	n3	n5	n7	n8	n12	n13	n14	n18	n20
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n24	n25	n26	n28	n29	n30	n34	n38	n39	n40	n41
n46	n47	n48	n50	n51	n53	n54	n65	n66	n67	n68
n70	n74	n75	n76	n77	n78	n79	n80	n81	n82	n83
n84	n85	n86	n89	n90	n91	n92	n93	n94	n95	n97
n98	n99	n100	n101	n106	n109					

Electrical Specifications

Frequency Range:	700-960 MHz / 1700-6000 MHz
Impedance:	50 Ohm
Polarisation:	Dual Linear V&H
Peak Gain	
700-960 MHz:	1.63 dBi
1700-6000 MHz:	4.02 dBi
Average Spherically Integrated Total Gain:	
700-960 MHz:	-2.98 dBi
1700-6000 MHz:	-2.04 dBi
Max Input Power:	15 W
Ground plane independent:	Yes

Environmental Specifications

Operating Temperature range:	-30°C to 70 °C
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Storage Temperature range:

-40°C to 85 °C

Mechanical Specifications

Dimensions: L = 126.9 mm x W = 67 mm x H = 47 mm

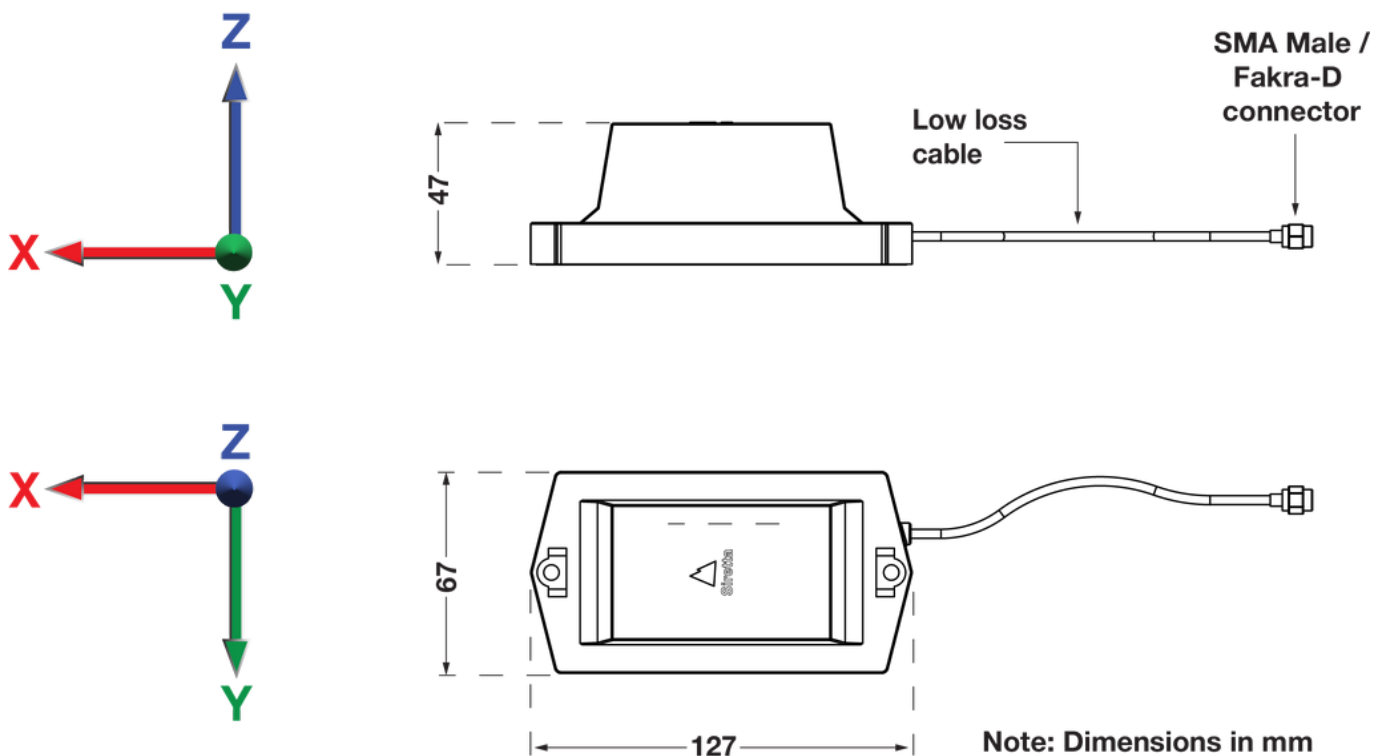
Weight: 200 g

Cable: Low loss (2.6 m)

Connector: SMA Male / Fakra-D as standard (other options available upon request)

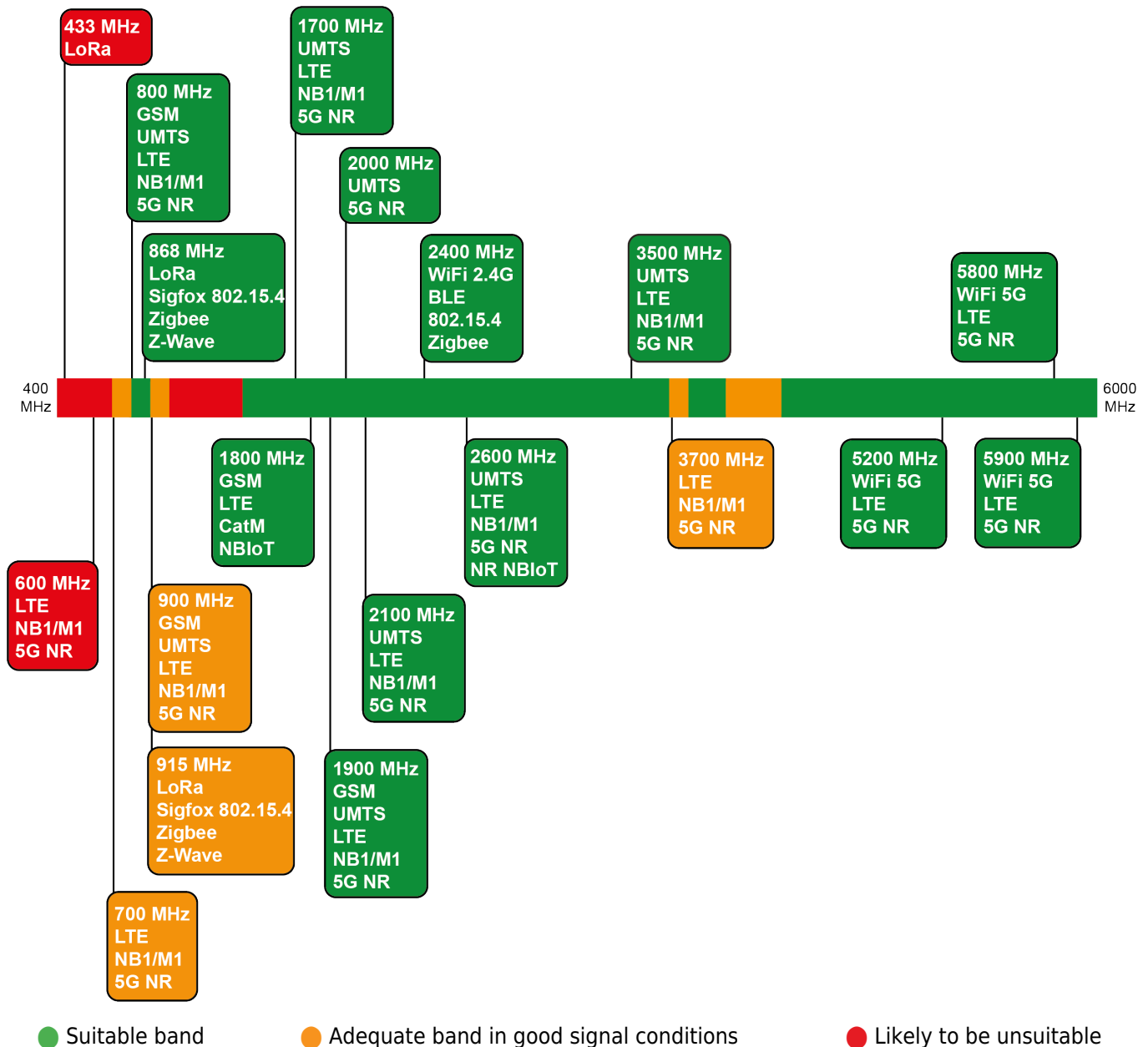
Mounting method: Magnetic / adhesive / screw / pole

Housing materials: ASA



Spectrum Coverage

The Spectral View Diagram visually describes the performance of the antenna from 400 MHz to 6000 MHz. Key frequencies are marked highlighting the technology used and the colour represents the performance at that frequency taking into consideration the VSWR and radiated efficiency of the antenna.



Usable Cellular Frequency Support (410 MHz - 1900 MHz)

Bands	410	450	500	600	700	800	850	900	1400	1500	1600	1700	1800	1900
GSM (2G) Bands							●						●	●
UMTS (3G) Bands					●	●	●			●		●	●	●

Bands	410	450	500	600	700	800	850	900	1400	1500	1600	1700	1800	1900
E-UTRA (4G) Bands					●	●	●			●	●	●	●	●
E-UTRA (4G) Cat M1 & M2 Bands					●	●	●			●	●	●	●	●
E-UTRA (4G) Cat NB1 & NB2 Bands					●	●	●			●	●	●	●	●
E-UTRA (4G) NTN Bands											●			
LTE based 5G Terrestrial Broadcast Bands														
NR (5G) FR1 Bands					●	●	●	●	●	●	●	●	●	●
NR (5G) FR2 Bands														
NR (5G) Cat NB1 & NB2 Bands					●	●	●			●	●		●	●
NR (5G) NTN FR1 Bands											●			
NR (5G) NTN FR2 Bands														

Usable Cellular Frequency Support (2000 MHz - 5900 MHz)

Bands	2000	2100	2300	2400	2500	2600	3300	3500	3700	4900	5200	5900
GSM (2G) Bands												
UMTS (3G) Bands		●				●		●				

Bands	2000	2100	2300	2400	2500	2600	3300	3500	3700	4900	5200	5900
E-UTRA (4G) Bands	●	●	●	●	●	●	●	●	●		●	●
E-UTRA (4G) Cat M1 & M2 Bands		●	●		●	●		●	●			
E-UTRA (4G) Cat NB1 & NB2 Bands	●	●			●	●		●	●			
E-UTRA (4G) NTN Bands		●		●								
LTE based 5G Terrestrial Broadcast Bands												
NR (5G) FR1 Bands	●	●	●	●	●	●		●	●	●	●	●
NR (5G) FR2 Bands												
NR (5G) Cat NB1 & NB2 Bands	●	●			●	●						
NR (5G) NTN FR1 Bands	●	●		●								
NR (5G) NTN FR2 Bands												

Usable ISM Frequency Support (433 MHz - 5800 MHz)

Technology	433	868	915	2450	3625	5800
Bluetooth				●		
Helium		●				
IEEE 802.15.4		●		●		
ISM 433						

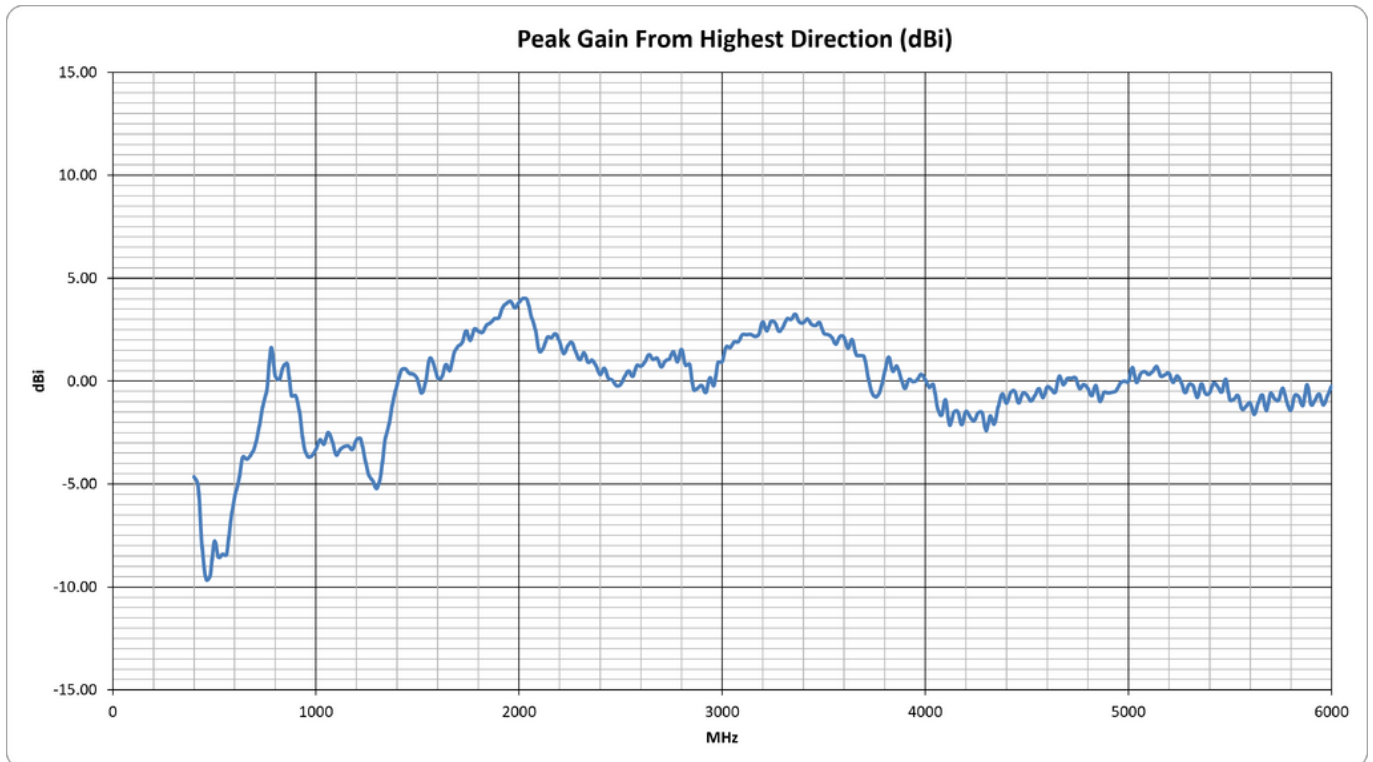


Oscar 71

5G NR/4G LTE IP65 Omnidirectional Wall/Pole Mount Antenna

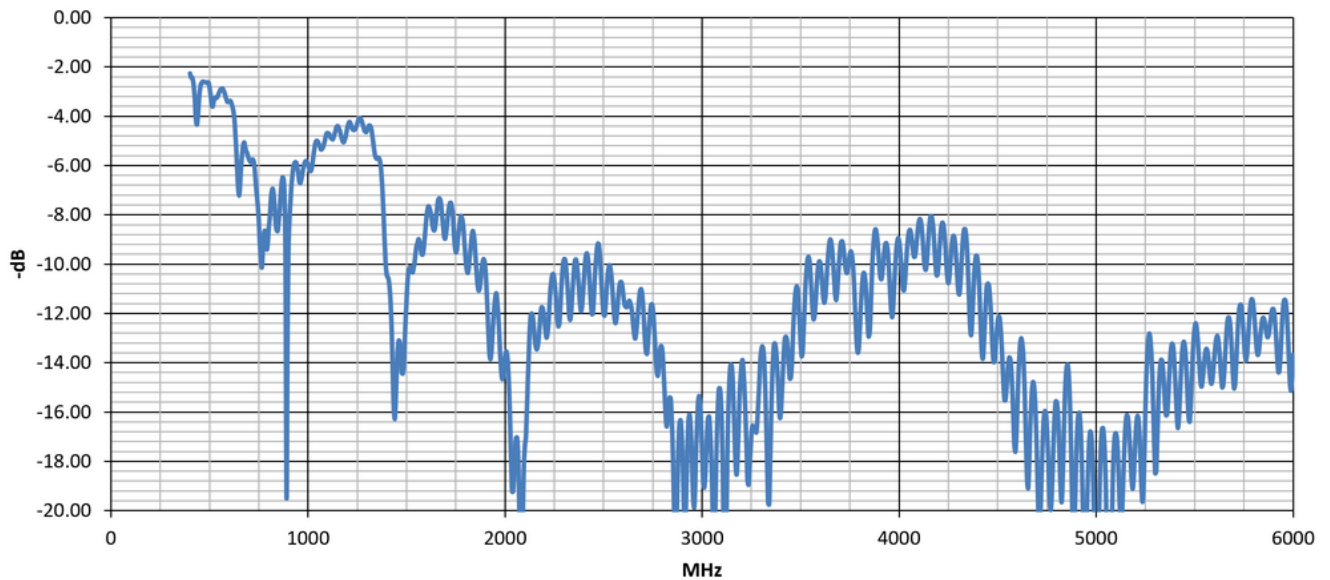
ISM 868		●				
ISM 915						
ISM 2.4G				●		
ISM 5.8G						●
LoRa		●				
SigFox		●				
Weighless		●				
Citizens Band Radio Service					●	
WiFi CBRS					●	
WiFi 2.4G				●		
WiFi 5G						●
WiFi 6E						
Zigbee		●		●		
Z-Wave		●				

Peak Gain vs. Frequency



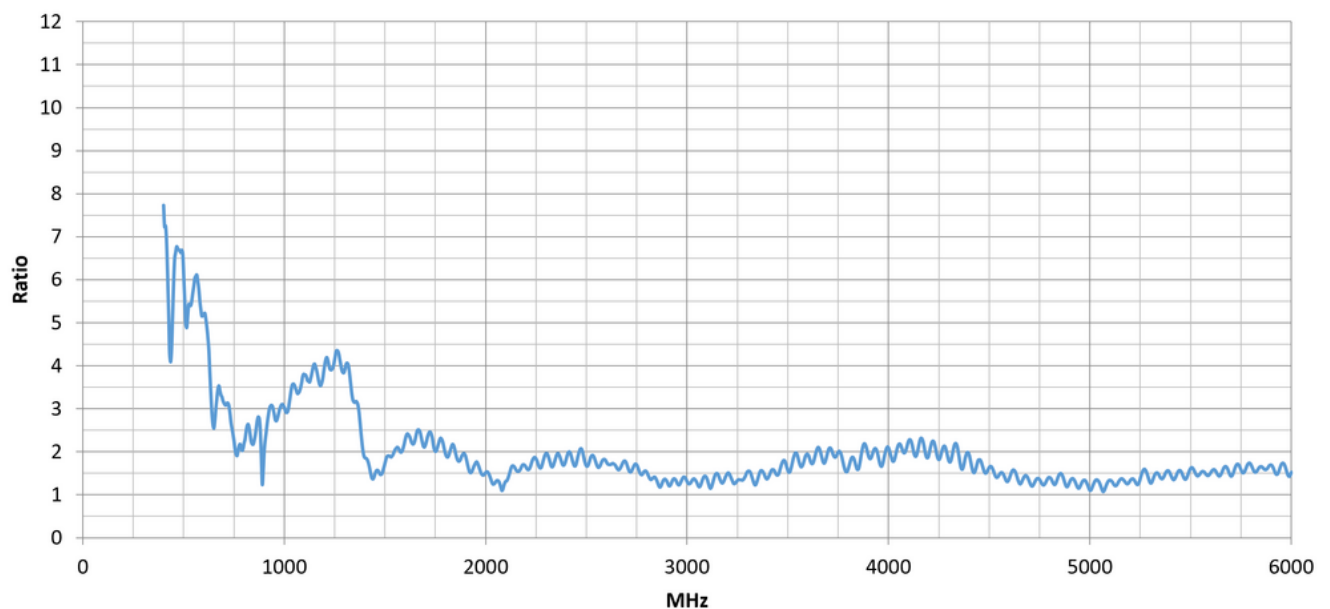
Return Loss

Return Loss in -dB



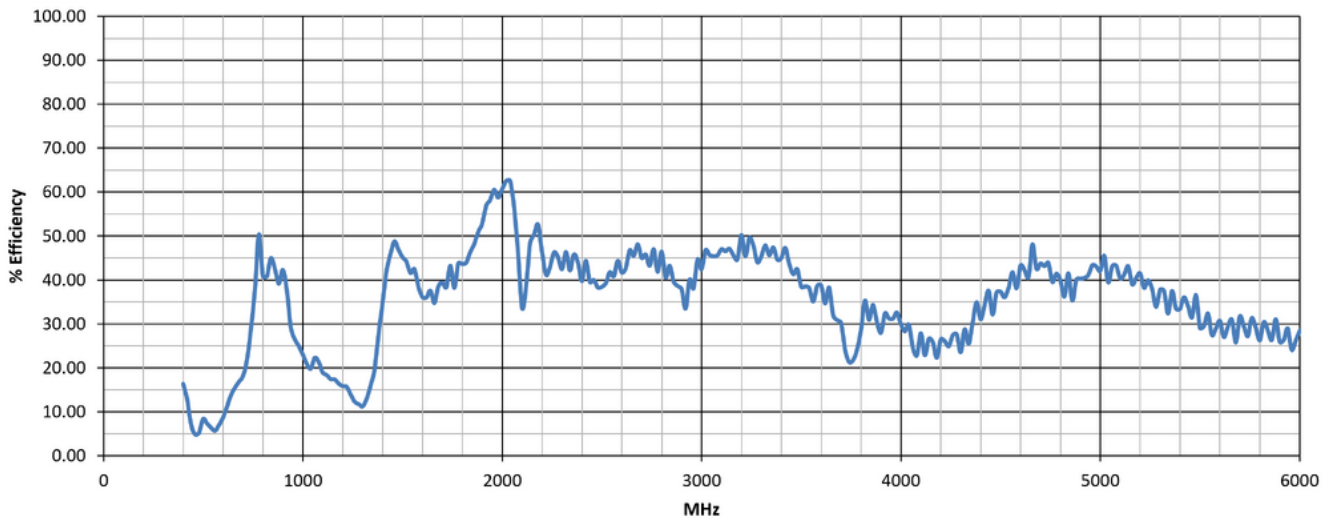
VSWR

VSWR



Radiation Efficiency

Antenna Radiation Efficiency (in %)



Cellular Bands

GSM (2G) Bands	UMTS (3G) Bands	E-UTRA (4G) Bands	E-UTRA (4G) Cat M1 & M2 Bands	E-UTRA (4G) Cat NB1 & NB2 Bands	LTE based 5G Terrestrial Broadcast Bands	NR (5G) FR1 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
	1	1	1	1		n1	n1	1920 - 1980 MHz	2110 - 2170 MHz	58.85	45.61	1.76	1.67	●
PCS-1900	2	2	2	2		n1	n2	1850 - 1910 MHz	1930 - 1990 MHz	50.75	59.19	1.96	1.76	●
DCS-1800	3	3	3	3		n3	n3	1710 - 1785 MHz	1805 - 1880 MHz	40.74	46.63	2.46	2.17	●
	4	4	4	4				1710 - 1755 MHz	2110 - 2155 MHz	40.51	43.94	2.46	1.67	●
GSM-850	5	5	5	5		n5	n5	824 - 849 MHz	869 - 894 MHz	43.72	40.19	2.57	2.81	●
	6							830 - 840 MHz	875 - 885 MHz	43.94	39.58	2.40	2.77	●
	7	7	7	7		n7	n7	2500 - 2570 MHz	2620 - 2690 MHz	40.55	45.81	1.92	1.78	●
E-GSM-900	8	8	8	8		n8	n8	880 - 915 MHz	925 - 960 MHz	40.64	29.77	2.68	3.08	●
	9	9						1749.9-1784.9MHz	1844.9-1879.9MHz	40.93	48.67	2.31	2.07	●
	10	10						1710 - 1770 MHz	2110 - 2170 MHz	40.21	45.61	2.46	1.67	●
	11	11	11	11				1427.9-1447.9MHz	1475.9 -	45.42	46.38	1.51	1.67	●
	12	12	12	12			n12	699 - 716 MHz	729 - 746 MHz	19.49	28.11	3.14	2.92	●
	13	13	13	13		n13		777 - 787 MHz	746 - 756 MHz	48.89	33.82	2.17	2.37	●
	14	14	14	14		n14	n14	788 - 798 MHz	758 - 768 MHz	44.16	39.76	2.15	1.99	●
		17		17				704 - 716 MHz	734 - 746 MHz	19.95	29.04	3.13	2.71	●
		18	18	18		n18	n18	815 - 830 MHz	860 - 875 MHz	41.53	41.29	2.64	2.81	●
	19	19	19	19				830 - 845 MHz	875 - 890 MHz	44.18	39.83	2.40	2.77	●
	20	20	20	20		n20	n20	832 - 862 MHz	791 - 821 MHz	43.77	41.48	2.61	2.64	●
	21	21	21	21				1447.9-1462.9MHz	1495.9-1510.9MHz	48.03	45.03	1.57	1.89	●
	22	22						3410 - 3490 MHz	3510 - 3590 MHz	43.54	37.20	1.80	1.97	●
		23						2000 - 2020 MHz	2180 - 2200 MHz	61.59	49.51	1.53	1.70	●
		24	24	24		n24	n24	1626.5-1660.5MHz	1525-1559 MHz	36.49	42.25	2.50	2.10	●
	25	25	25	25		n25	n25	1850 - 1915 MHz	1930 - 1995 MHz	51.10	59.25	1.96	1.76	●
	26	26	26	26		n26	n26	814 - 849 MHz	859 - 894 MHz	42.94	40.68	2.64	2.81	●
		27						807 - 824 MHz	852 - 869 MHz	40.93	42.38	2.64	2.79	●
		28	28	28		n28	n28	703 - 748 MHz	758 - 803 MHz	24.36	44.23	3.13	2.26	●
		28A						703 - 733 MHz	758 - 788 MHz	21.90	44.80	3.13	2.17	●
		29				n29		-	717 - 728 MHz	-	22.74	-	3.13	●
		30				n30		2305 - 2315 MHz	2350 - 2360 MHz	44.47	44.82	1.95	1.96	●
		31	31	31		n31	n31	452.5-457.5MHz	462.5 -	5.38	4.93	6.57	6.77	●
	32	32						-	1452 - 1496 MHz	-	47.30	-	1.67	●
		33						1900 - 1920 MHz	1900 - 1920 MHz	54.86	54.86	1.89	1.89	●

GSM (2G) Bands	UMTS (3G) Bands	E-UTRA (4G) Bands	E-UTRA (4G) Cat M1 & M2 Bands	E-UTRA (4G) Cat NB1 & NB2 Bands	LTE based 5G Terrestrial Broadcast Bands	NR (5G) FR1 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		34				n34		2010 - 2025 MHz	2010 - 2025 MHz	62.20	62.20	1.52	1.52	●
		35						1850 - 1910 MHz	1850 - 1910 MHz	50.75	50.75	1.96	1.96	●
		36						1930 - 1990 MHz	1930 - 1990 MHz	59.19	59.19	1.76	1.76	●
		37						1910 - 1930 MHz	1910 - 1930 MHz	56.54	56.54	1.69	1.69	●
		38				n38		2570 - 2620 MHz	2570 - 2620 MHz	42.81	42.81	1.82	1.82	●
		39	39			n39		1880 - 1920 MHz	1880 - 1920 MHz	53.38	53.38	1.96	1.96	●
		40	40			n40		2300 - 2400 MHz	2300 - 2400 MHz	43.89	43.89	1.96	1.96	●
		41	41	41		n41	n41	2496 - 2690 MHz	2496 - 2690 MHz	42.99	42.99	1.92	1.92	●
		42	42	42				3400 - 3600 MHz	3400 - 3600 MHz	40.34	40.34	1.97	1.97	●
		43	43	43				3600 - 3800 MHz	3600 - 3800 MHz	28.93	28.93	2.10	2.10	●
		44						703 - 803 MHz	703 - 803 MHz	34.34	34.34	3.13	3.13	●
		45						1447 - 1467 MHz	1447 - 1467 MHz	48.04	48.04	1.57	1.57	●
		46				n46		5150 - 5925 MHz	5150 - 5925 MHz	32.20	32.20	1.74	1.74	●
		47				n47		5855 - 5925 MHz	5855 - 5925 MHz	27.94	27.94	1.69	1.69	●
		48	48	48		n48		3550 - 3700 MHz	3550 - 3700 MHz	34.77	34.77	2.10	2.10	●
		49						3550 - 3700 MHz	3550 - 3700 MHz	34.77	34.77	2.10	2.10	●
		50				n50		1432 - 1517 MHz	1432 - 1517 MHz	46.42	46.42	1.90	1.90	●
		51				n51		1427 - 1432 MHz	1427 - 1432 MHz	43.85	43.85	1.53	1.53	●
		52						3300 - 3400 MHz	3300 - 3400 MHz	46.78	46.78	1.56	1.56	●
		53				n53		2483.5-2495MHz	2483.5- 2495 MHz	38.56	38.56	1.93	1.93	●
		54	54	54		n54	n54	1670 - 1675 MHz	1670 - 1675 MHz	37.13	37.13	2.50	2.50	●
		65		65		n65	n65	1920 - 2010 MHz	2110 - 2200 MHz	59.30	47.19	1.76	1.70	●
		66	66	66		n66	n66	1710 - 1780 MHz	2110 - 2200 MHz	40.52	47.19	2.46	1.70	●
		67				n67		-	738 - 758 MHz	-	32.49	-	2.59	●
		68						698 - 728 MHz	753 - 783 MHz	20.69	42.82	3.15	2.17	●
		69						-	2570 - 2620 MHz	-	42.81	-	1.82	●
		70		70		n70	n70	1695 - 1710 MHz	1995 - 2020 MHz	39.23	61.36	2.33	1.53	●
		71	71	71		n71	n71	663 - 698 MHz	617 - 652 MHz	16.85	12.98	3.53	4.80	●
		72	72	72		n72	n72	451 - 456 MHz	461 - 466 MHz	5.55	4.90	6.52	6.77	●
		73	73	73				450 - 455 MHz	460 - 465 MHz	5.66	4.88	6.49	6.77	●
		74	74	74		n74	n74	1427 - 1470 MHz	1475 - 1518 MHz	46.74	45.61	1.57	1.90	●
		75				n75		-	1432 - 1517 MHz	-	46.42	-	1.90	●
		76				n76		-	1427 - 1432 MHz	-	43.85	-	1.53	●
						n77		3300 - 4200 MHz	3300 - 4200 MHz	33.15	33.15	2.31	2.31	●
						n78		3300 - 3800 MHz	3300 - 3800 MHz	37.06	37.06	2.10	2.10	●
						n79		4400 - 5000 MHz	4400 - 5000 MHz	39.58	39.58	1.93	1.93	●
						n80		1710 - 1785 MHz	-	40.74	-	2.46	-	●
						n81		880 - 915 MHz	-	40.64	-	2.68	-	●
						n82		832 - 862 MHz	-	43.77	-	2.61	-	●
						n83		703 - 748 MHz	-	24.36	-	3.13	-	●
						n84		1920 - 1980 MHz	-	58.85	-	1.76	-	●
		85	85	85		n85		698 - 716 MHz	728 - 746 MHz	19.41	27.93	3.15	2.95	●
						n86		1710 - 1780 MHz	-	40.52	-	2.46	-	●
		87	87	87				410 - 415 MHz	420 - 425 MHz	14.16	12.13	7.26	6.12	●
		88	88	88				412-417 MHz	422 - 427 MHz	13.81	11.54	7.10	5.77	●
						n89		824 - 849 MHz	-	43.72	-	2.57	-	●
						n90	n90	2496 - 2690 MHz	2496 - 2690 MHz	42.99	42.99	1.92	1.92	●
						n91		832 - 862 MHz	1427 - 1432 MHz	43.77	43.85	2.61	1.53	●
						n92		832 - 862 MHz	1432 - 1517 MHz	43.77	46.42	2.61	1.90	●
						n93		880 - 915 MHz	1427 - 1432 MHz	40.64	43.85	2.68	1.53	●
						n94		880 - 915 MHz	1432 - 1517 MHz	40.64	46.42	2.68	1.90	●
						n95		2010 - 2025 MHz	-	62.20	-	1.52	-	●
						n96		5925 - 7125 MHz	5925 - 7125 MHz	26.24	26.24	1.73	1.73	●
						n97		2300 - 2400 MHz	-	43.89	-	1.96	-	●
						n98		1880 - 1920 MHz	-	53.38	-	1.96	-	●
						n99		1626.5 - 1660.5 MHz	-	36.49	-	2.50	-	●
						n100		874.4 - 880 MHz	919.4 -925 MHz	39.65	36.73	2.78	2.99	●
						n101		1900 - 1910 MHz	1900 - 1910 MHz	53.85	53.85	1.89	1.89	●
						n102		5925 - 6425 MHz	5925 - 6425 MHz	27.70	27.70	1.73	1.73	●
		103		103				787 - 788 MHz	757 - 758 MHz	46.78	36.73	2.07	2.01	●

GSM (2G) Bands	UMTS (3G) Bands	E-UTRA (4G) Bands	E-UTRA (4G) Cat M1 & M2 Bands	E-UTRA (4G) Cat NB1 & NB2 Bands	LTE based 5G Terrestrial Broadcast Bands	NR (5G) FR1 Bands	NR (5G) Cat NB1 & NB2 Bands	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
						n104		6425 - 7125 MHz	6425 - 7125 MHz	25.19	25.19	1.49	1.49	●
						n105		663 - 703 MHz	612 - 652 MHz	17.02	12.67	3.53	5.01	●
		106	106	106		n106		896 - 901 MHz	935 - 940 MHz	41.99	30.24	2.09	3.08	●
					107			-	612 - 652 MHz	-	12.67	-	5.01	●
					108			-	470 - 698 MHz	-	9.93	-	6.73	●
						n109		703 - 733 MHz	1432 - 1517 MHz	21.90	46.42	3.13	1.90	●
						n110		1390 - 1395 MHz	1432 - 1435 MHz	32.05	44.64	2.02	1.43	●
								1616-1626.5MHz	1616- 1626.5 MHz	36.14	36.14	2.39	2.39	●
								2000 - 2020 MHz	2180 - 2200 MHz	61.59	49.51	1.53	1.70	●
								1668 - 1675 MHz	1518 - 1525 MHz	36.94	43.94	2.50	1.90	●
								1610-1625.5MHz	2483.5-2500 MHz	36.08	38.57	2.42	1.93	●
								1626.5-1660.5MHz	1525-1559 MHz	36.49	42.25	2.50	2.10	●
								1980 - 2010 MHz	2170 - 2200 MHz	60.19	50.36	1.53	1.70	●

IMPORTANT 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	Average Efficiency (%)	Maximum VSWR	Peak Gain from highest direction (dBi)	Use Indicator
ISM 433 MHz	433.05 - 434.79 MHz	8.80	4.17	-7.04	●
ISM 868 MHz	863 - 870 MHz	41.46	2.81	0.60	●
ISM 915 MHz	902 - 928 MHz	38.58	3.03	-0.78	●
ISM 2.4 GHz	2400 - 2500 MHz	40.38	2.07	0.63	●
WiFi 2.4G channels 1-11	2401 - 2473 MHz	41.05	2.07	0.63	●
WiFi 2.4G channels 1-13	2401 - 2483 MHz	40.77	2.07	0.63	●
WiFi 2.4G channels 1-14	2401 - 2495 MHz	40.49	2.07	0.63	●

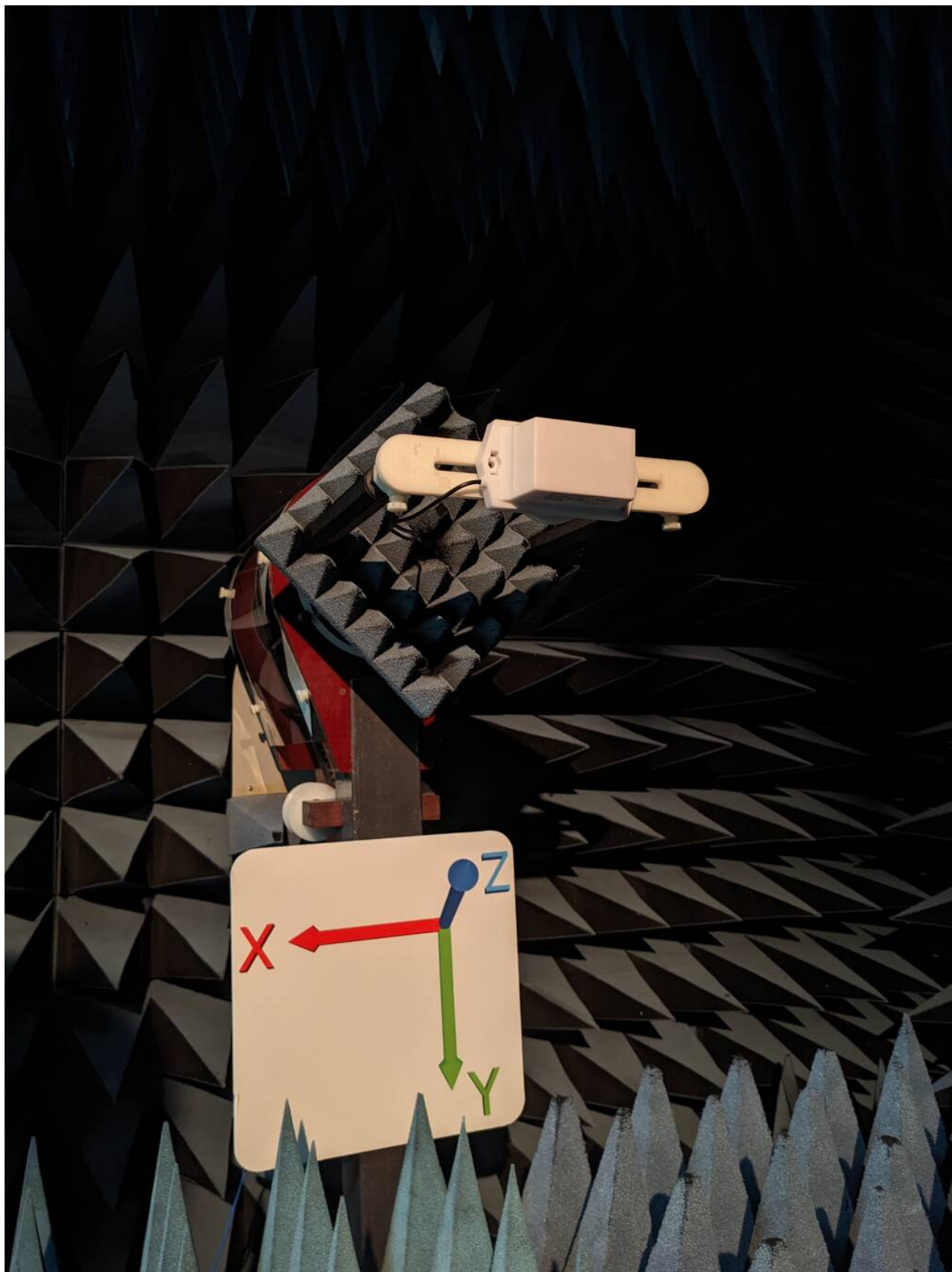
Application	Frequency Range	Average Efficiency (%)	Maximum VSWR	Peak Gain from highest direction (dBi)	Use Indicator
Citizens Broadband Radio Service	3550 - 3700 MHz	34.77	2.10	2.07	●
WiFi CBRS channels 131-138	3655 - 3695 MHz	31.01	2.08	1.34	●
WiFi 5G (Ch 32-48)	5150 - 5250 MHz	39.40	1.38	0.25	●
WiFi 5G (Ch 32-68)	5150 - 5350 MHz	37.62	1.59	0.25	●
WiFi 5G (Ch 32-165)	5150 - 5835 MHz	32.74	1.74	0.25	●
WiFi 5G (Ch 32-173)	5150 - 5875 MHz	32.51	1.74	0.25	●
WiFi 5G (Ch 32-177)	5150 - 5895 MHz	32.42	1.74	0.25	●
WiFi 5.9G (Ch 172-180)	5855 - 5905 MHz	28.76	1.69	-0.20	●
WiFi 5.9G (Ch 182-196)	5905 - 5990 MHz	27.09	1.73	-0.11	●
ISM 5.8 GHz	5725 - 5875 MHz	28.72	1.74	-0.24	●
UWB band group 1, BAND_ID 1	3168 - 3696 MHz	42.11	2.10	3.16	●
UWB band group 1, BAND_ID 2	3696 - 4224 MHz	27.40	2.31	1.14	●
UWB band group 1, BAND_ID 3	4224 - 4752 MHz	35.70	2.23	0.14	●
UWB band group 2, BAND_ID 4	4752 - 5280 MHz	39.79	1.59	0.57	●
UWB band group 2, BAND_ID 5	5280 - 5808 MHz	31.40	1.74	-0.14	●

IMPORTANT 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.

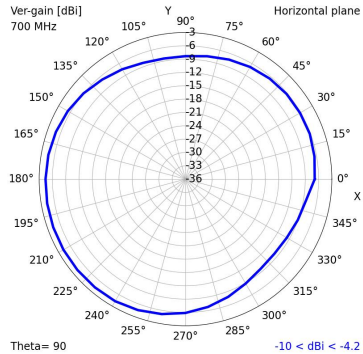
Test Setup (in Free Space)



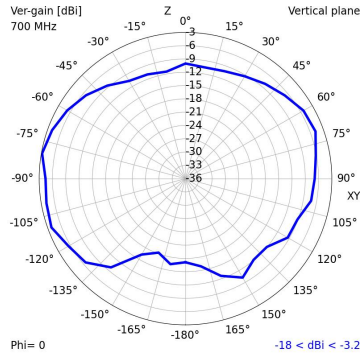
2D Radiation Plots

700 MHz

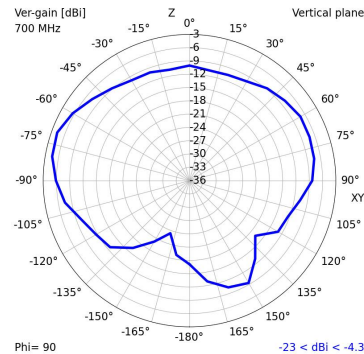
XY



XZ

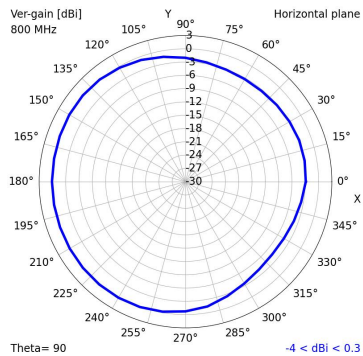


YZ

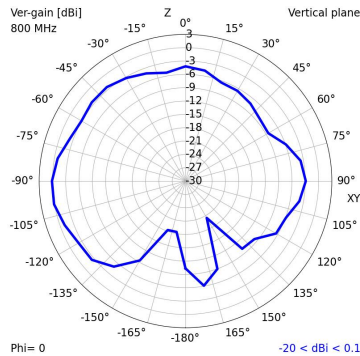


800 MHz

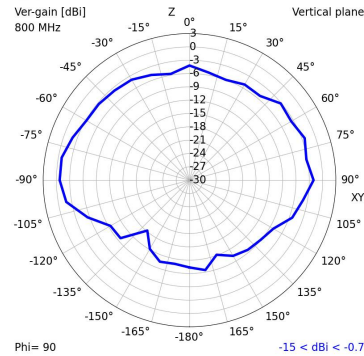
XY



XZ

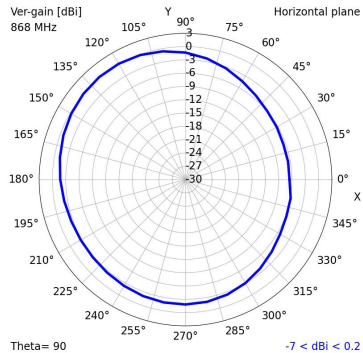


YZ

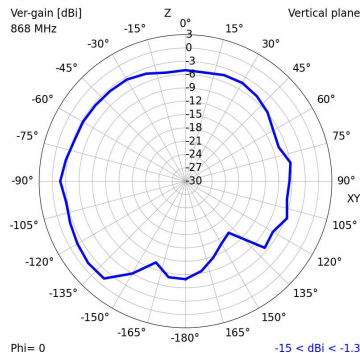


868 MHz

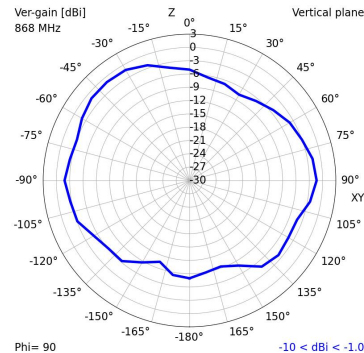
XY



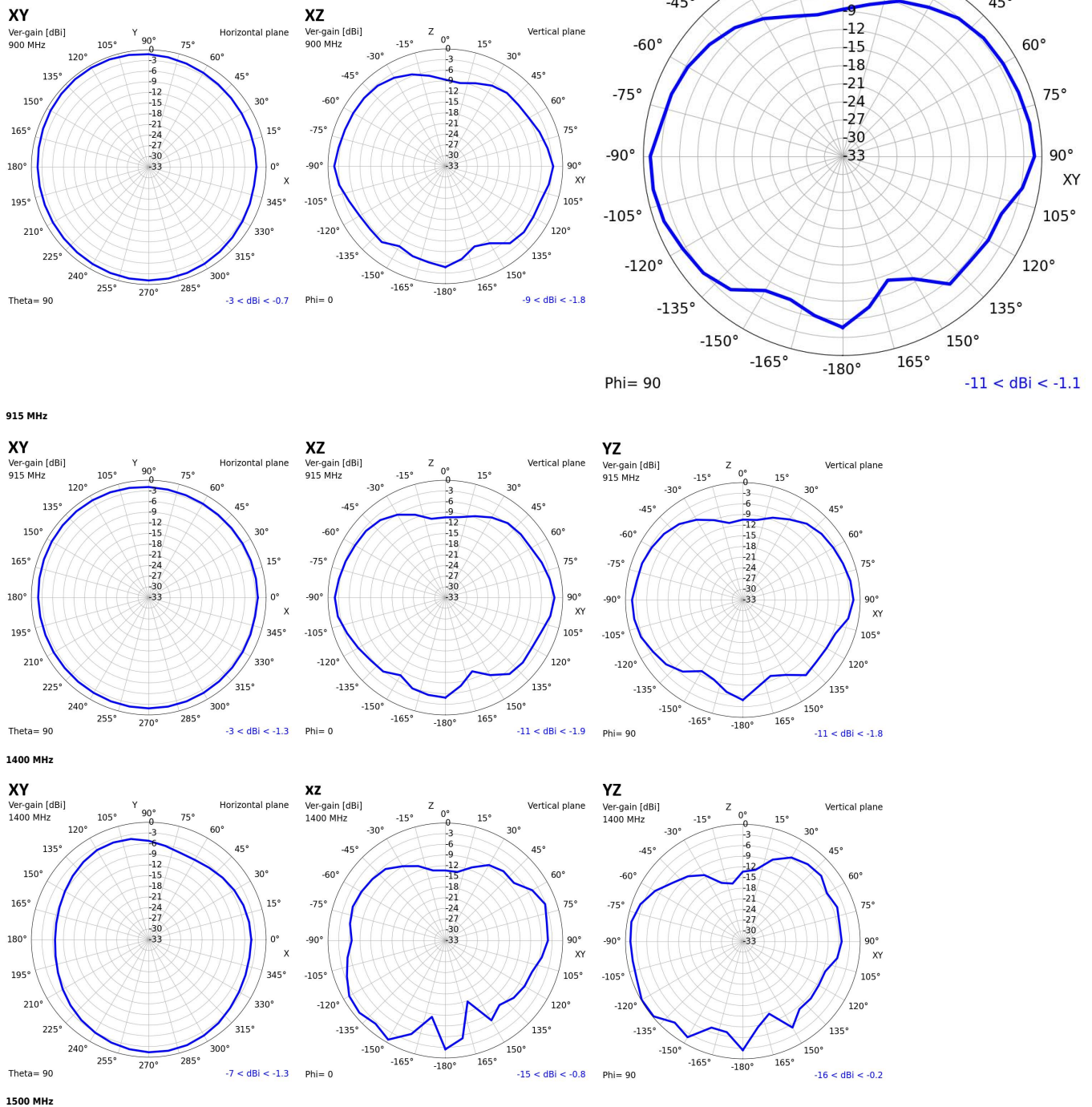
XZ

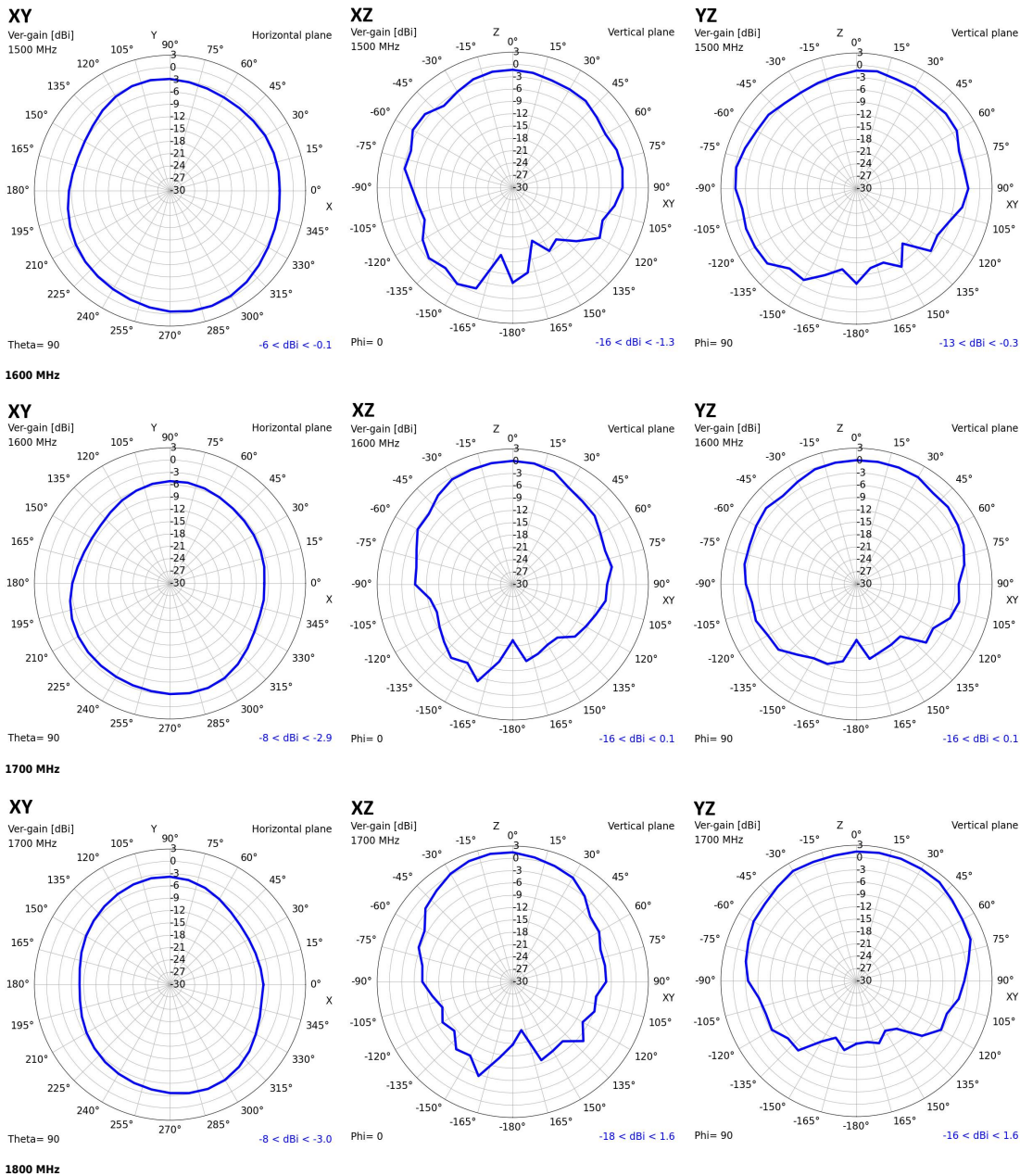


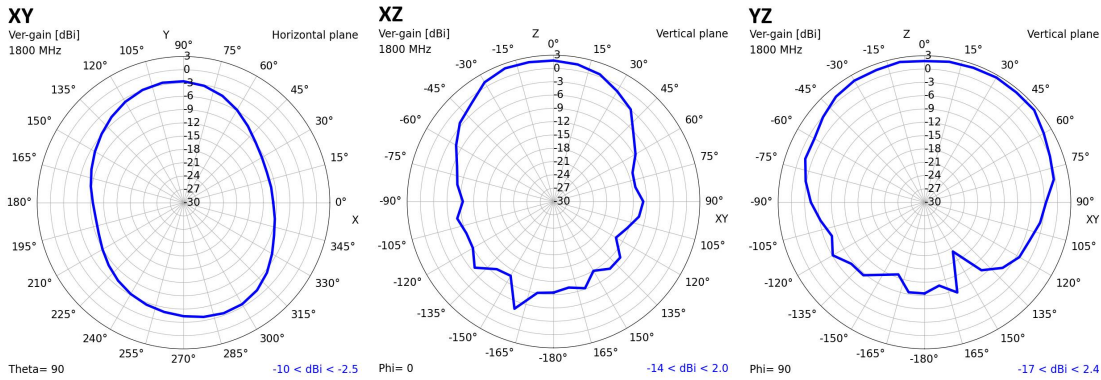
YZ



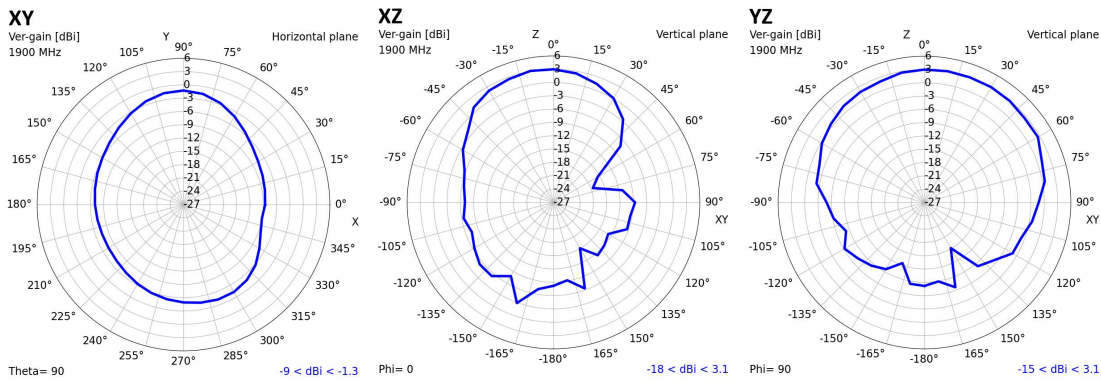
900 MHz



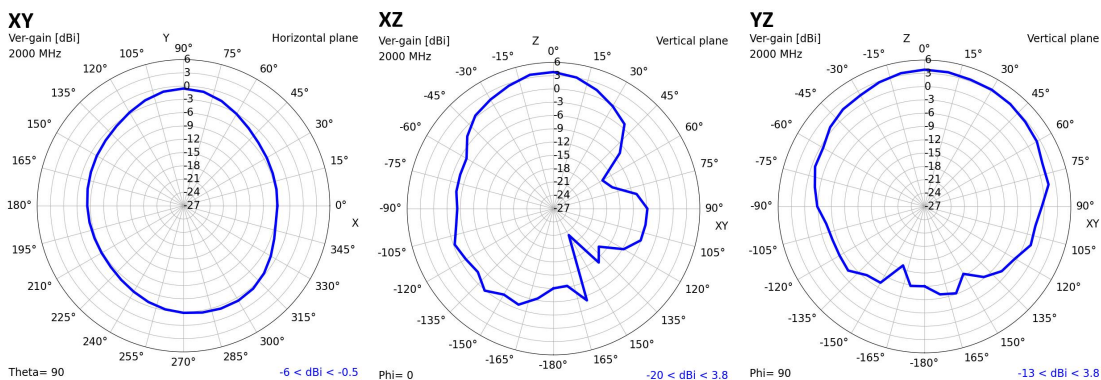




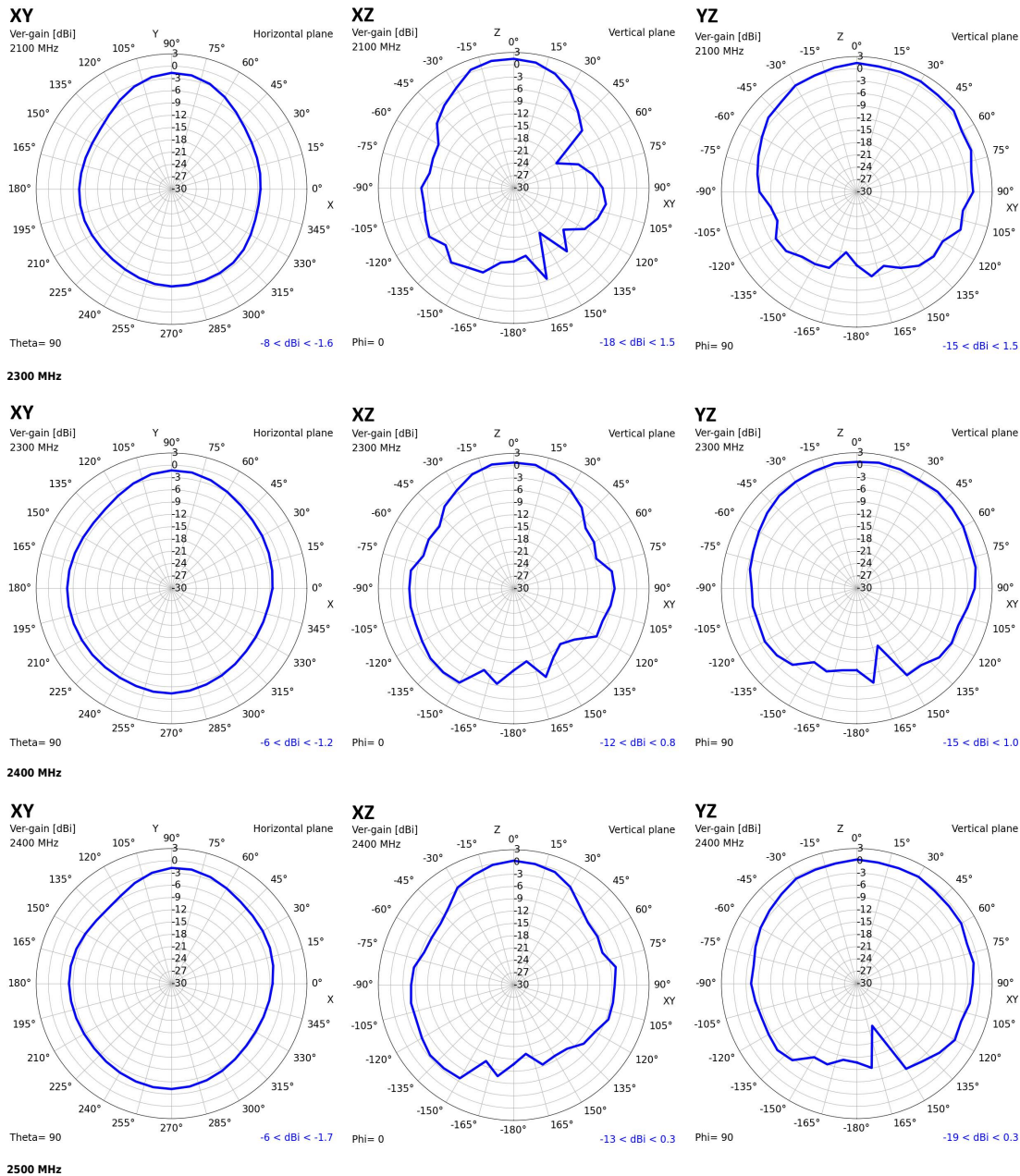
1900 MHz

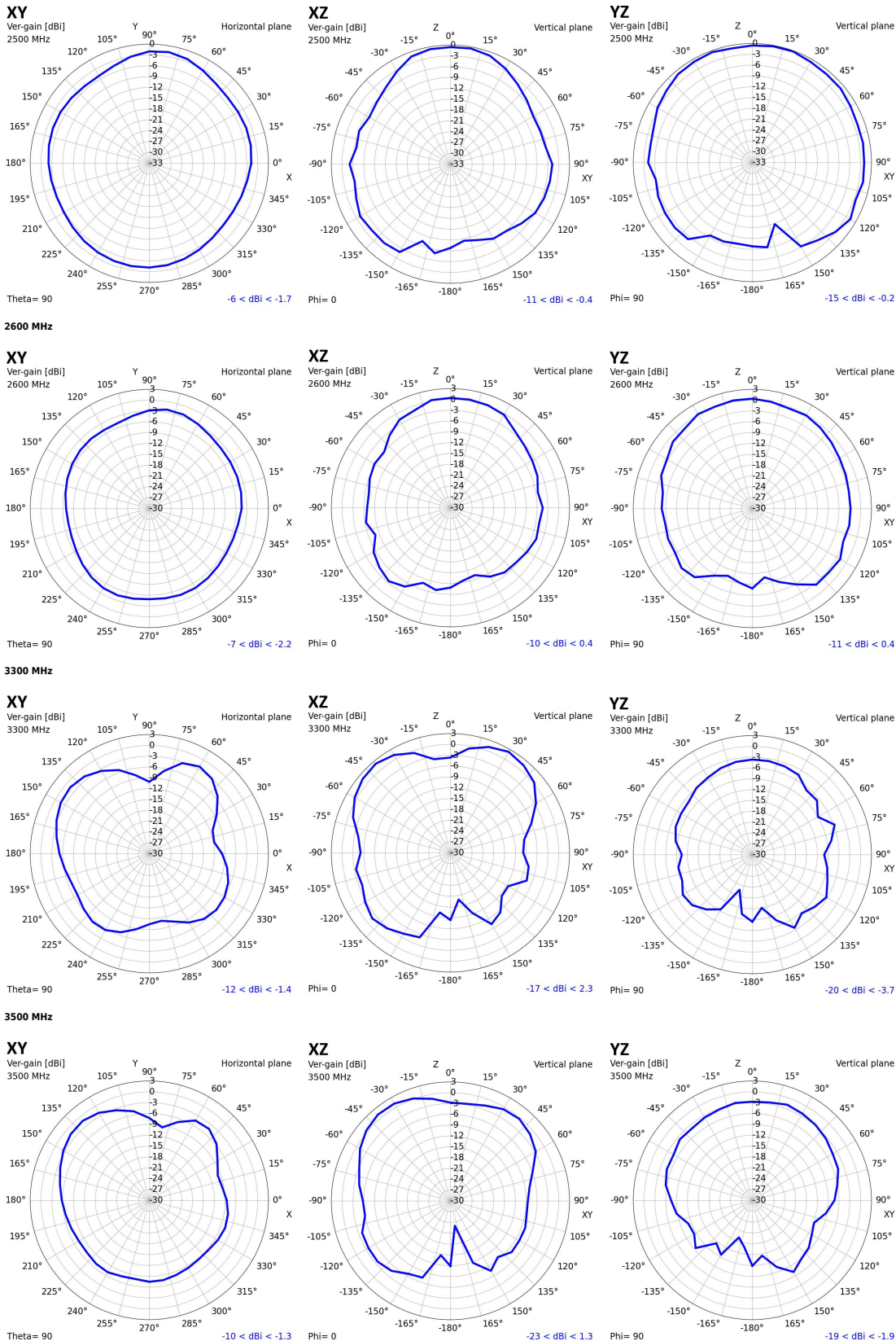


2000 MHz

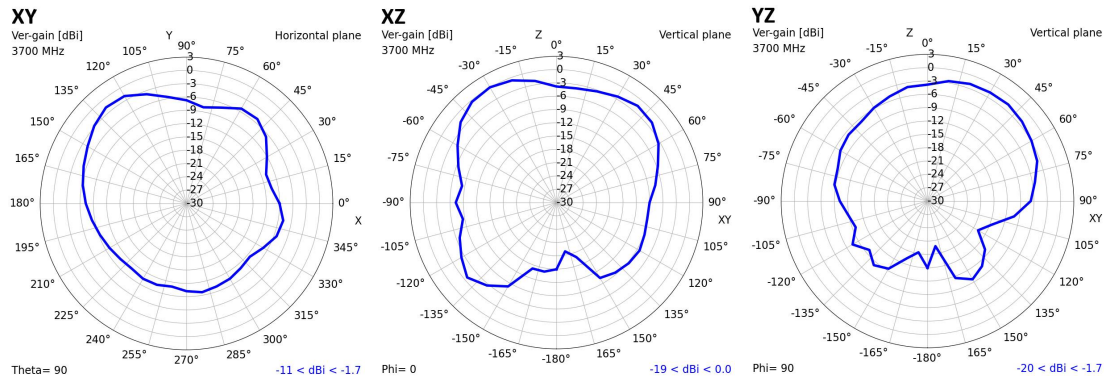


2100 MHz

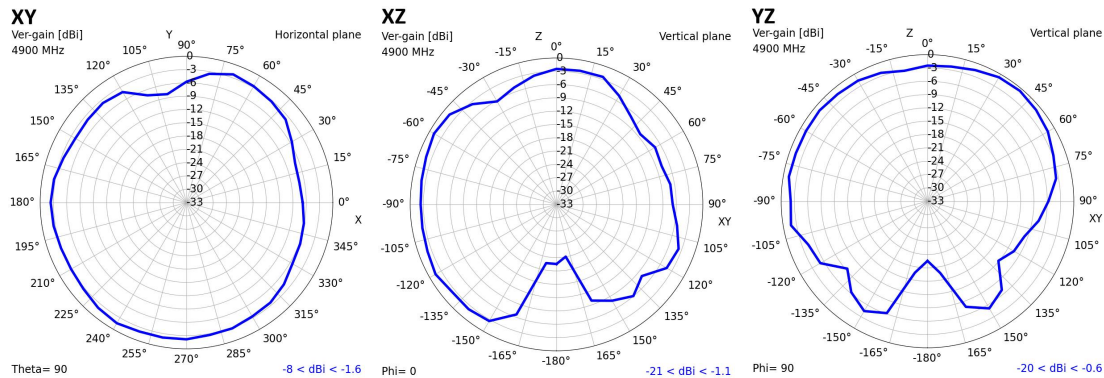




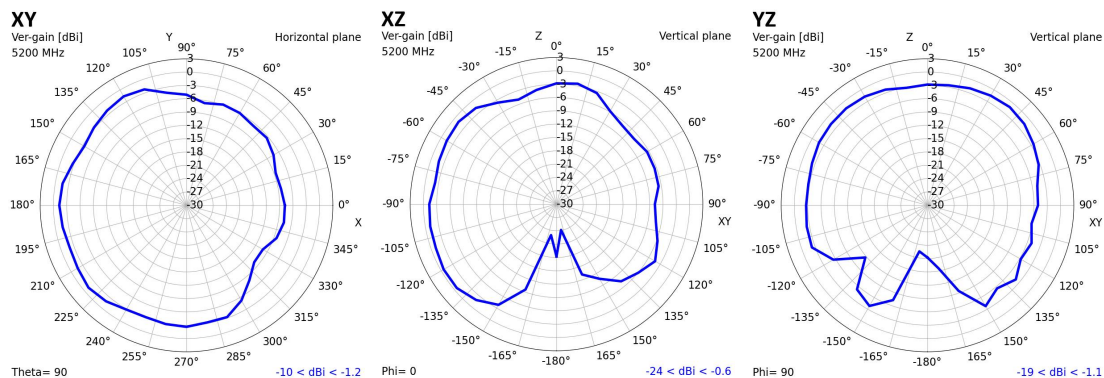
3700 MHz



4900 MHz



5200 MHz

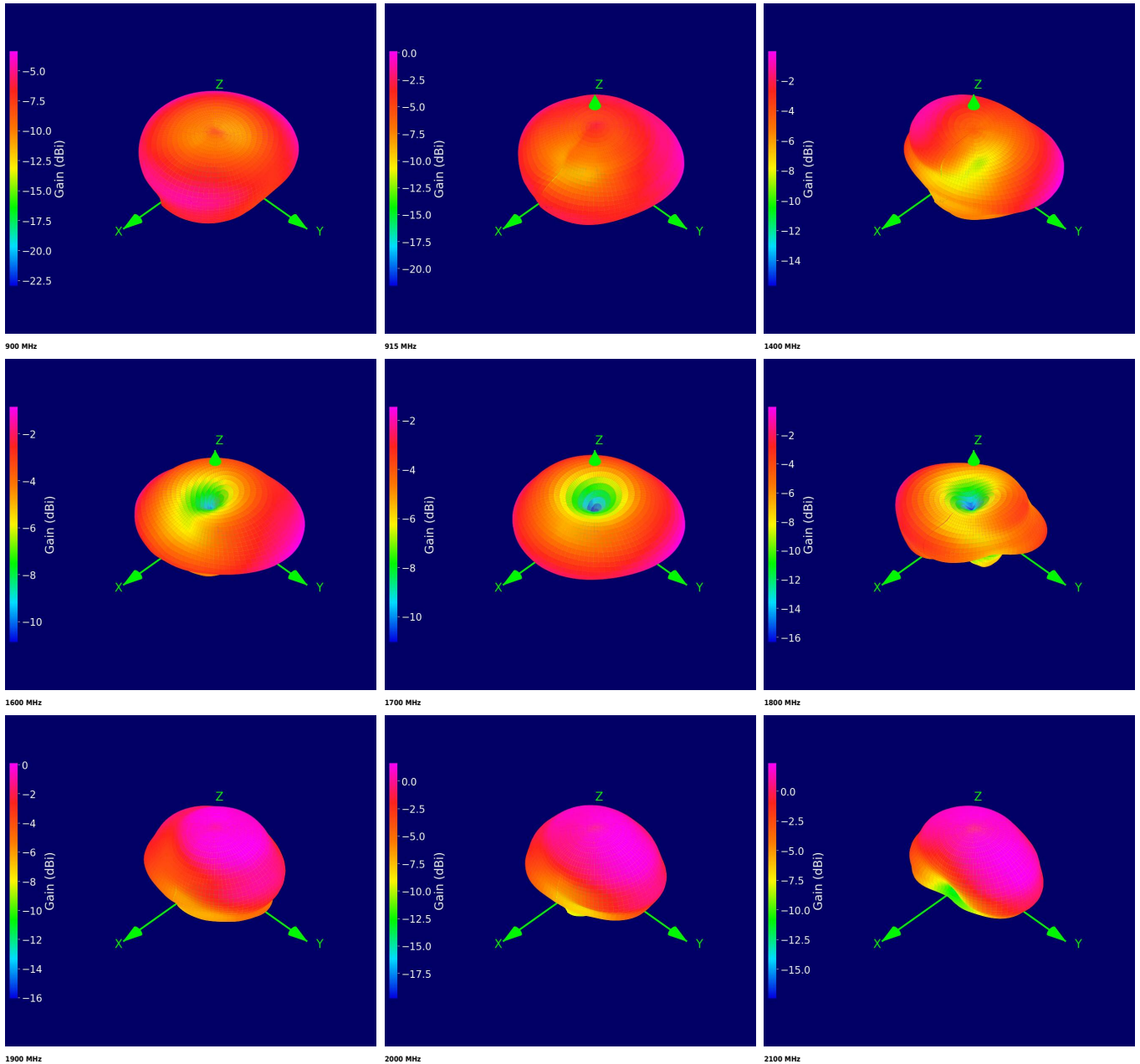


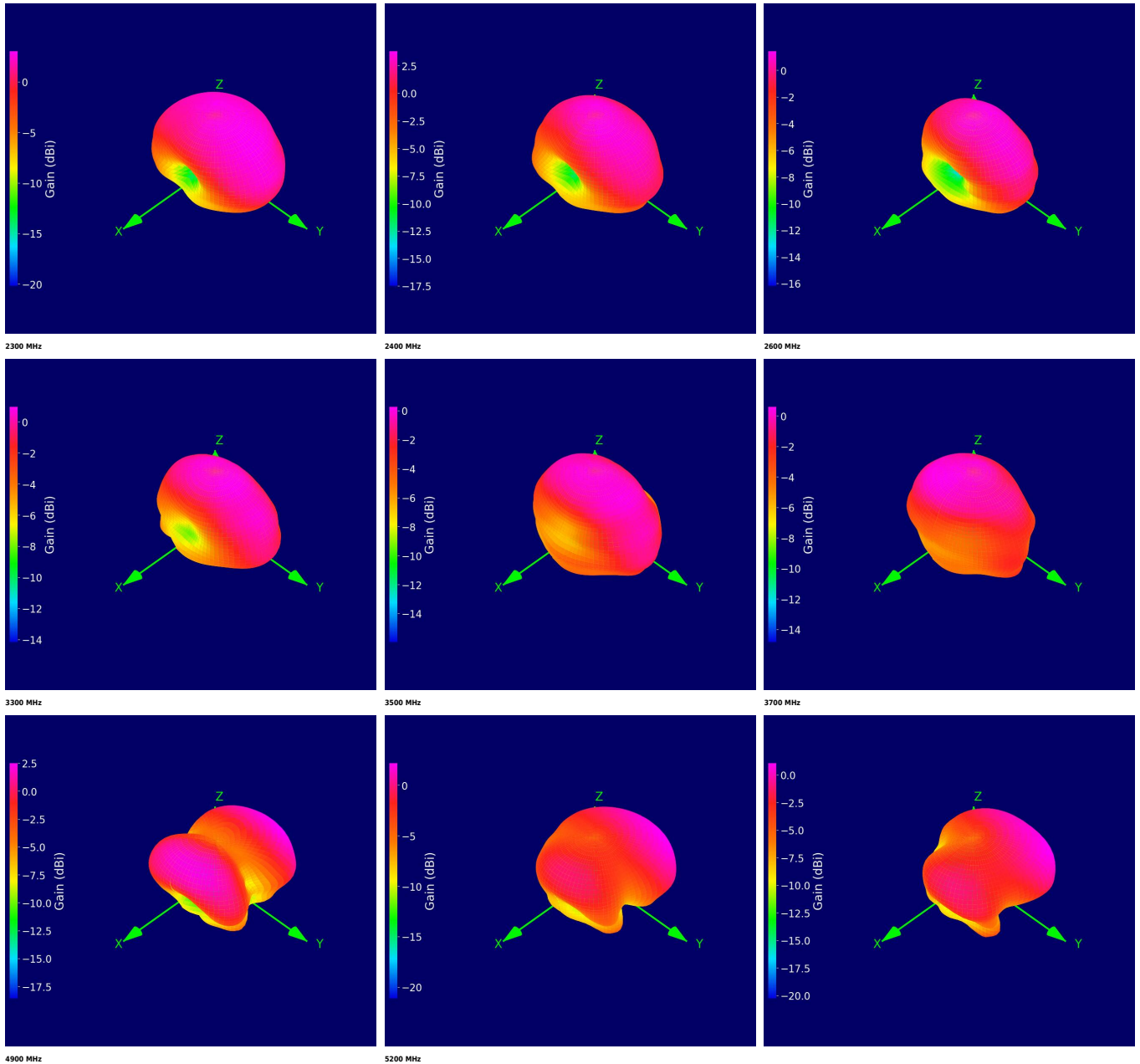
3D Radiation Plots

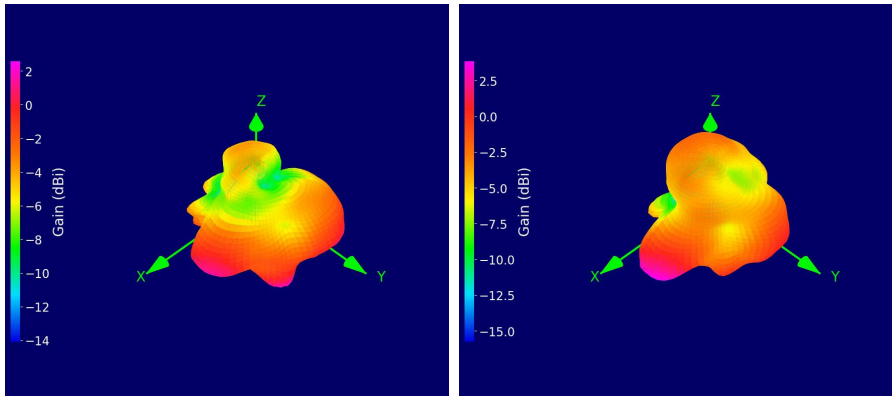
700 MHz

800 MHz

868 MHz







Ordering Details

Part Number	Description
OSCAR71/1M/SMAM/S/S/32	5G NR/4G LTE IP65 Omnidirectional Wall/Pole Mount Antenna 1m Cable and SMA Male Connector
OSCAR71/1M/FAKRA-D/S/S/32	5G NR/4G LTE IP65 Omnidirectional Wall/Pole Mount Antenna 1m Cable and Fakra-D Connector
OSCAR71/2.5M/SMAM/S/S/32	5G NR/4G LTE IP65 Omnidirectional Wall/Pole Mount Antenna 2.5m Cable and SMA Male Connector
OSCAR71/2.5M/FAKRA-D/S/S/32	5G NR/4G LTE IP65 Omnidirectional Wall/Pole Mount Antenna 2.5m Cable and Fakra-D Connector

About Siretta

Founded in 1998 and headquartered in Reading, United Kingdom, Siretta is a leading wireless communications company specialising in the design, manufacture, and supply of industrial IoT solutions.

Siretta's product portfolio includes:

- Antennas, plus their associated Cable Assemblies & Adapters,
- Cellular Network Analysers
- Industrial Modems
- Industrial Routers
- Associated Cloud Management

Siretta supplies products directly and via a worldwide network of distributors, into numerous markets and applications across the globe.

Siretta's distribution partners range from industrial IoT specialists through to global catalogue organisations.

Whether "off the shelf" or custom solutions are required, Siretta has a wide portfolio of products to fit many

types of application.

Siretta's extensive knowledge and experience in the wireless market allows support of a wide range of customer applications, focusing on frequencies between 400 MHz to 6 GHz. These encompass modems, routers and antennas for:

- Cellular technologies: GSM / UMTS / LTE / 5G NR (SA & NSA)
- LPWAN technologies: LTE-M / NB-IoT
- Global positioning technologies: GNSS (GPS / GLONASS / Galileo / BeiDou / QZSS / NavIC)
- Short range technologies: Wireless LAN / Bluetooth / Zigbee / ISM band / LoRa / Sigfox
- Satellite technologies: NTN NB-IoT

With a heavy emphasis on design, Siretta has a team of dedicated Engineers and Product Managers, who specialise in wireless applications.

Siretta continually makes significant investment in R&D endeavouring to provide customers with market leading, future-proofed, wireless solutions. Siretta works closely with many technology partners to stay at the forefront of industrial IOT.

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Performance characteristics, coverage, gain, and network operation may vary depending on installation environment, device configuration, network conditions, cable losses, mounting position, and surrounding structures. Any application deployed using Siretta antenna products should be fully evaluated and tested within the intended operating environment prior to deployment.

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