

2024 2025



SIRIO[®] antenne

- TETRA
- LoRa
- GSM DUAL
- UMTS
- 3G / 4G / 5G
- LTE
- W-LAN 2.4
- W-LAN 5



**WIRELESS
DIVISION**

HIGH-TECHNOLOGY ANTENNAS
DESIGNED AND MANUFACTURED IN ITALY

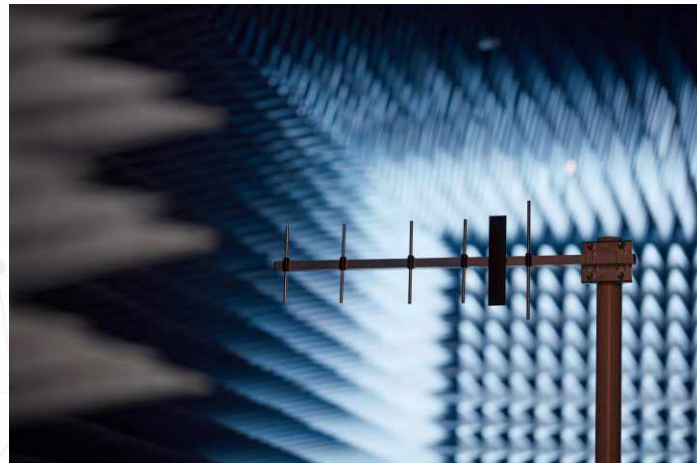


Sirio Antenne was established in 1972 in Volta Mantovana, a small town a few kilometres from Lake Garda, characterized by its ancient medieval castle. The company's location is logistically strategic for the development of its business and also easily reachable from the nearby Verona airport, which is only 35km away.

Here Giuseppe Grazioli began his activity and founded Sirio Antenne. He firmly believed in the future of WIRELESS' communication, at that time used only by the military, and decided to dedicate himself to the development of wider applications for civil use, contributing to a NEW form of communication now in common everyday use.



RF & Microwave lab.



Microwave anechoic chamber.



Main office

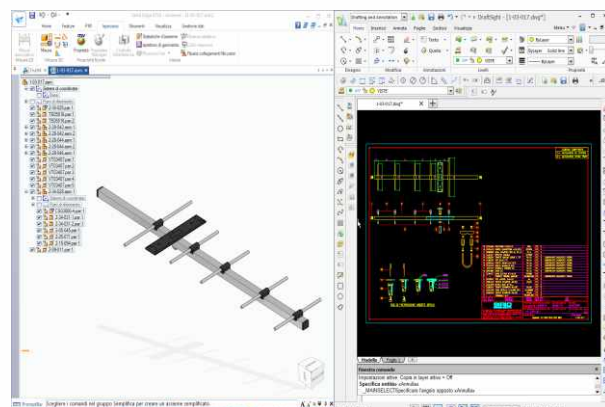
QUALITY SYSTEM
SIRIO antenne is a qualified ISO9001:2015 company since February 2004
Certification issued by international company DNV



RESEARCH & DEVELOPMENT DEPARTMENT



RF & Microwave lab.



CAD 2D & 3D for mechanical design and EM Simulation

PRODUCTION DEPT



Mobile antennas production department



Ultrasonic welding machine



CNC winding machine

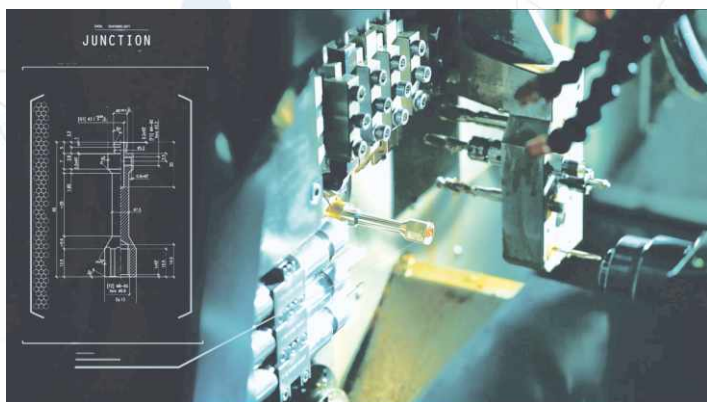


Coaxial cable cutting machines



Final test with network analyzer

MACHINES SHOP



Sliding headstock CNC-lathe machines view



CNC machining centre view



REFERENCE TABLE



Here below you'll find table **A** that will help you to easily find out the most suitable product for your purpose.

1) CHOOSE THE TYPE OF INSTALLATION. **BASE** station or vehicular **MOBILE** antennas.

2) CHOOSE THE FREQUENCY BAND. At the top of the table you can choose your preferred frequency band or the nearest one.

3) CHOOSE THE PRODUCT. Follow the vertical line of the chosen frequency band till you find the **coloured squares** that show the frequency bands covered. The name of the product and its corresponding data page is on the left side. You can easily find the page of your selected product.

ADDITIONAL INFORMATION

All products have a **FIXED** band and no tuning is required. The corresponding frequency range is covered within a SWR limit indicated in the product's electrical data.



TABELLA DI RICERCA



Di seguito è riportata la tabella **A** con lo scopo di facilitare la ricerca dei prodotti. La procedura di ricerca consiste in:

1) SCELTA TIPO DI INSTALLAZIONE. La parte superiore della tabella riporta i modelli per **stazione BASE**, le antenne **MOBILE** per installazione su veicoli sono riportati nella parte inferiore.

2) SCELTA BANDA DI LAVORO. Individuare nella **riga superiore** delle tabella la banda di lavoro desiderata. Se non fosse riportata individuare quella che possiede banda di lavoro più simile.

3) SCELTA PRODOTTO. Scorrere la riga verticale corrispondente alla banda di lavoro voluta fino ad incrociare i **rettangoli colorati** che indicano le bande di frequenze coperte. Pagina e modello sono riportati sulla stessa riga alla sinistra dei rettangoli così individuati. Consultare quindi la pagina del prodotto per conoscere tutte le particolarità.

INFORMAZIONI AGGIUNTIVE

Tutti i prodotti hanno una banda **FISSA** non modificabile. Non occorre tarare nulla e tutta la banda dichiarata è coperta entro un limite di SWR specificato.



TABLEAUX DE REFERENCES



Vous trouverez ci-dessous un tableaux qui va faciliter la recherche d'un produit dans le catalogue. La procédure de recherche est la suivante:

1) CHOISIR LE TYPE D'INSTALLATION. Les antennes de stations **FIXES** sont dans la partie supérieure de tableau. Les antennes **MOBILES** sont dans la partie basse du tableau.

2) CHOISIR LA FREQUENCE. En haut du tableau, choisissez la bande de fréquences désirée. Si elle n'est pas mentionnée, veuillez choisir celle qui s'en rapproche le plus.

3) CHOISIR LE PRODUIT. Suivez la ligne verticale de la gamme de fréquences choisie jusqu'à ce que vous trouviez les **emplacements colorés** qui désignent les bandes de fréquences couvertes. Le nom du produit et la page correspondante dans le catalogue sont sur le côté gauche. Vous trouverez ainsi plus facilement la page du produit sélectionné.

INFORMATIONS COMPLEMENTAIRES

Toute antenne a une bande de fréquences **FIXE** et qu'on ne peut pas la modifier. Aucun réglage n'est nécessaire et la limite de SWR de la bande de fréquences couverte est indiquée dans les spécification du produit.



TABLA DE REFERENCIA



Encontraremos la tabla **A** para facilitar la búsqueda de los productos. El procedimiento consiste en:

1) SELECCION EL TIPO DE INSTALACIÓN. Las antenas para **BASE** están situadas en la parte superior, las antenas **MOVILES** los encontraremos en la parte inferior de la tabla.

2) ELECCION DE LA FRECUENCIA. Seleccione en la línea superior de la tabla, el rango de frecuencia deseado. Si la frecuencia de trabajo no aparece, seleccionaremos la más próxima.

3) ELECCION DEL PRODUCTO. Siga la línea vertical correspondiente al rango de frecuencia deseado hasta que encontraremos los **cuadrados coloreados** que muestran el rango de frecuencia para cada modelo. El nombre del producto y los datos correspondientes a la página están en el lado izquierdo. De esta manera, localizaremos el producto y la página con facilidad.

INFORMACION ADICIONAL

Las antenas no son modificables en su rango de frecuencia. No precisan ningún ajuste y cubren toda la banda especificada con el nivel de ROE.

The frequencies table for the most common systems / Tabella delle bande di frequenze dei sistemi più utilizzati

Band	Frequency	System / Name	Band	Frequency	System / Name
VHF	87.5 - 108 MHz	FM radio	UHF	1575.42 MHz	GPS
UHF	380 - 440 MHz	TETRA	UHF	1.71 - 1.88 GHz	PCN / GSM 1800, DCS 1800, LTE band 3, 10
UHF	698 - 790 MHz	LTE 700: bands 12, 13, 17, 28, 44, 68, 71....	UHF	1.85 - 1.99 GHz	PCS, DCS 1900 / GSM 1900, LTE band 2, 25
UHF	790 - 824 MHz	LTE 800: bands 20, 27.....	UHF	1.92 - 2.17 GHz	UMTS, LTE bands 1, 4, 10,
UHF	824 - 894 MHz	AMPS, LTE bands 5, 6	UHF	2.4 - 2.485 GHz	W-LAN IEEE 802.11b
UHF	810 - 958 MHz	DoCoMo	UHF	2.3 - 2.7 GHz	Wi-MAX, LTE band 7, 23, 38, 40,
UHF	868 - 870 MHz	ISM	SHF	3.3 - 3.8 GHz	Wi-MAX, TDD 3.5/3.6, LTE band 22
UHF	902 - 928 MHz	ISM	SHF	5.15 - 5.35 GHz	W-LAN IEEE 802.11a (UNI1, UNI2)
UHF	880 - 960 MHz	GSM 900, LTE band 8	SHF	5.47 - 5.875 GHz	W-LAN IEEE 802.11a (UNI3)
UHF	890 - 960 MHz	NMT 900, Natel C	SHF	5.855-5.925 GHz	V2X, W-LAN IEEE 802.11p

Band Designation	Frequency MHz
VHF (very high frequency)	
UHF (ultra high frequency)	
SHF (super high frequency)	

30 300 3000 30000



Table A

NEW MODEL

Installation			Type	Table A																				Frequency			
Type			Page	Model	TETRA-350	TETRA	CDMA	ISM/SIGFOX/LoRa	70cm HAM	LTE-450	LTE-700	ISM/SIGFOX/LoRa	ISM/SIGFOX/LoRa	GSM-R	GSM-900	GSM-1800	DECT	UMTS	2G-GSM/GPRS/EDGE	3G-UMTS	4G-LTE	WiFi-2.4 GHz, ZIG BEE	LTE 3.4	WiFi-5 GHz	V2X		
NEW MODEL																											
BASE INSTALLATION			5, 6	SPO UHF series																							
OMNIDIRECTIONAL			7	HGO 433-868																							
			7	HGO 4G LTE																							
			8	GP 868 C																							
			8	GP 900 C																							
			8	GP 901 C																							
			8	CX 840																							
			8	CX 868																							
			8	CX 900																							
			9	SPO 868-915-6																							
			9	SPO 868-10																							
			10	SO 868-915 2dBi																							
			10	SCO-868-4																							
			10	SCO-868-6																							
			11, 12	SCO-1.93-6																							
			11, 12	SCO-2-6																							
			11, 12	SCO-2.4-6																							
			11, 12	SCO-2.4-9																							
			11, 12	SCO-3.3-7																							
			11, 12	SCO-3.3-10																							
			11, 12	SCO-2451																							
			13	SO-918-2																							
			13	SO-918-2 M1																							
			14	SO 4G-LTE																							
			DIRECTIONAL			15, 16	WY UHF series																				
MOBILE INSTAL.	HOLE	17	SY 906																								
		17	SY 910																								
		18	SLP 4G-LTE																								
		19, 20	SMP 4G LTE																								
		19, 20	SMP 4G High Power																								
		19, 20	SMP 4G LTE MiMo																								
		19, 20	SMP 24-33																								
		21	SMP 5G																								
		22	SMP-X W-Lan MiMo																								
		23	SLP-1.7÷2.5-11																								
		24	SPH-1.5÷6-17																								
		25	LPA 5G MiMo ceiling																								
		25	LPA 5G MiMo side																								
		MAG	MAG	26	LPA 380, LPA 420																						
27	SKB 901 1/4																										
27	SKA 868 C																										
27	SKA 901 C																										
27	SKB 901 1/4 MAG																										
27	SKA 868 C MAG																										
27	SKB 901 C MAG																										
27	MICROMAG 918																										
28	INGLASS Multiband																										
28	INGLASS Lte & Wlan																										
AD.			29	accessories																							
			30	connectors, adapters																							

SPO series

Sirio Professional Omni 350-510 MHz

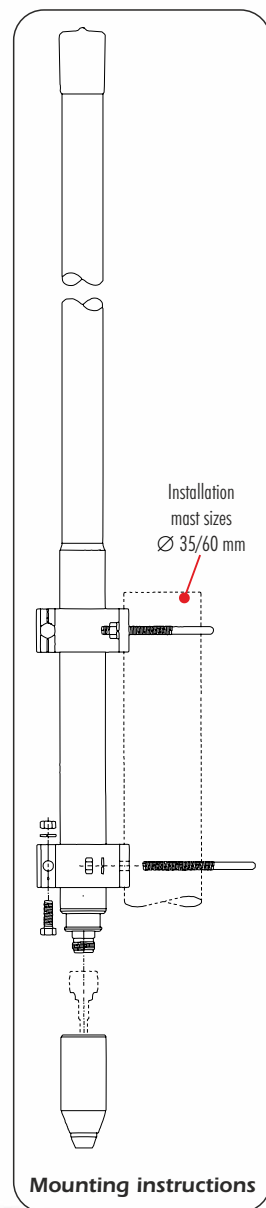
WIDE-BAND Fiberglass dipole and colinear



SPO 380-2
Dipole

SPO 350-5
SPO 380-5
SPO 420-5
SPO 450-5
Colinear

SPO 380-8
SPO 400-8
SPO 440-8
Colinear



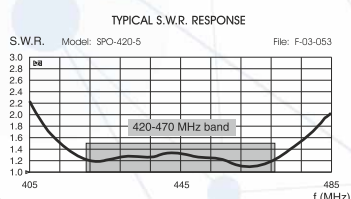
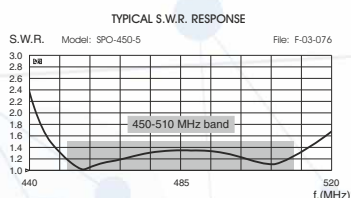
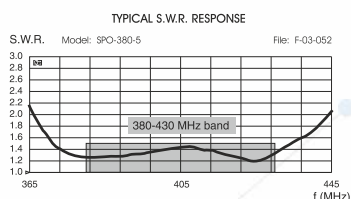
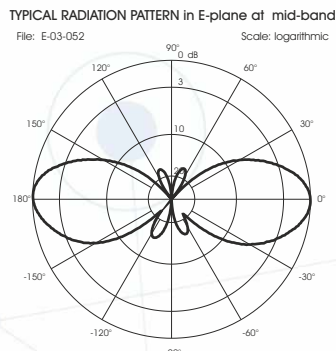
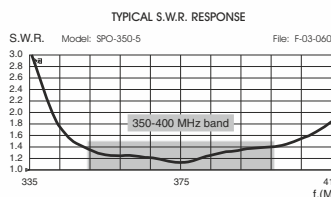
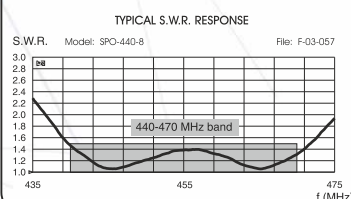
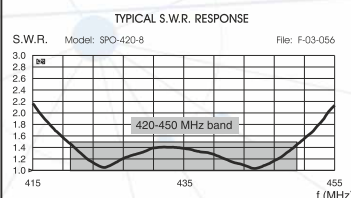
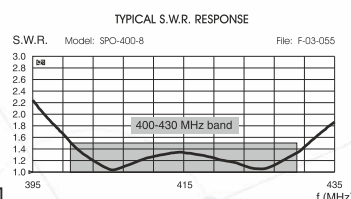
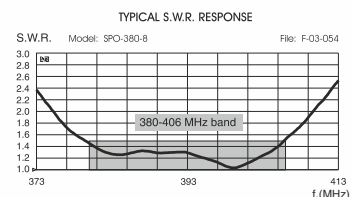
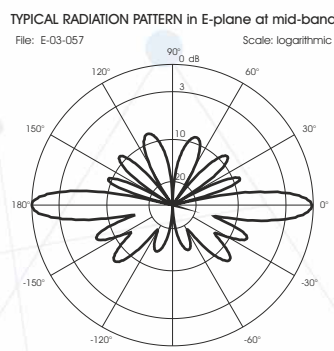
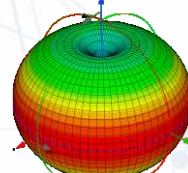
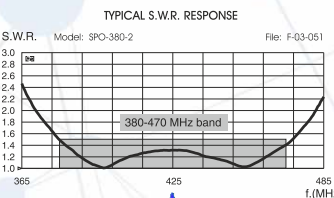
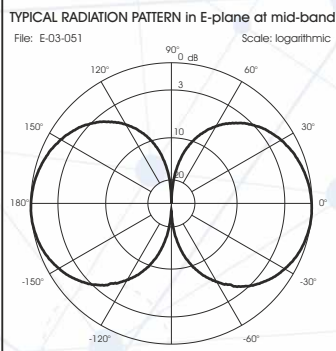
SPO series

Sirio Professional Omni 350-510 MHz

Features:

- # Fiberglass wide-band omnidirectional base station antenna. No tuning required
- # SPO 380-2: Unity-gain; SPO 350/380/420/450-5: Medium-gain; SPO 380/400/420/440-8: High-gain
- # Perfect protection against the worst weather conditions; Protection from static discharges DC-Ground
- # Designed to work without Ground Plane; Stainless steel hardware
- # Up-graded: mast fixing bracket up to 60mm;2.4in

Electrical Data	SPO 380-2	SPO 350-5	SPO 380-5	SPO 420-5	SPO 450-5	SPO 380-8	SPO 400-8	SPO 420-8	SPO 440-8
Type	Dipole		Colinear						
Frequency Range @ SWR ≤ 1.5	380-470 MHz	350-400 MHz	380-430 MHz	420-470 MHz	450-510 MHz	380-406 MHz	400-430 MHz	420-450 MHz	440-470 MHz
Impedance	50 Ω								
Radiation (H-plane)	360° Omnidirectional - HCM code 000ND00								
Radiation (E-plane) beam@-3dB,HCM	78°, 039ND00	40°, 020ND15	40°, 020ND15	40°, 020ND15	40°, 020ND15	14°, 007ND34	14°, 007ND34	14°, 007ND34	14°, 007ND34
Polarization	Linear Vertical								
Gain	0 dBd - 2.15 dBi	3 dBd - 5.15 dBi	3 dBd - 5.15 dBi	3 dBd - 5.15 dBi	3 dBd - 5.15 dBi	6 dBd - 8.15 dBi	6 dBd - 8.15 dBi	6 dBd - 8.15 dBi	6 dBd - 8.15 dBi
Max Power (CW) @ 30° C	75 Watts								
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a DC short								
Connector	N-female with rubber protection cap								
Mechanical Data									
Materials	White cilindrical fiberglass radome ∅ 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber								
Wind Load @ 150 km/h	33 N	53 N	52 N	53 N	41 N	104 N	104 N	98 N	93 N
Wind Resistance	200Km/h,124mi/h	180Km/h,112mi/h	180Km/h,112mi/h	180Km/h,112mi/h	200Km/h,124mi/h	150Km/h, 93mi/h	150Km/h, 93mi/h	150Km/h, 93mi/h	150Km/h, 93mi/h
Wind Surface	0.027m², 0.29ft²	0.044m², 0.47ft²	0.043m², 0.46ft²	0.04m², 0.43ft²	0.034m², 0.36ft²	0.089m², 0.95ft²	0.089m², 0.95ft²	0.083m², 0.88ft²	0.079m², 0.84ft²
Height (approx.)	780mm; 2.55 ft	1380mm; 4.5 ft	1330mm; 4.3 ft	1230mm; 4.0 ft	1070mm; 3.5 ft	2940mm; 9.6 ft	2940mm; 9.6 ft	2740mm; 9 ft	2590mm;8.5 ft
Weight (approx.)	890 gr; 2 lb	1240 gr; 2.73 lb	1200 gr; 2.6 lb	1160 gr; 2.5 lb	1090 gr; 2.4 lb	2040 gr; 4.5 lb	2020 gr; 4.5 lb	1935 gr; 4.3 lb	1850 gr; 4.1 lb
Operating temperature	-40° C to +80° C								
	IP 23								
Mounting Mast	Side vertical mast whit "V" bolt ∅ 35 - 60 mm, ∅ 1.4 - 2.4 in								
P/N	2115020/380	2115120/350	2115120/380	2115120/420	2115120/450	2115320/380	2115320/400	2115320/420	2115320/440

SPO ...-5 series**SPO ...-8 series****SPO 380-2**

HGO 4G LTE

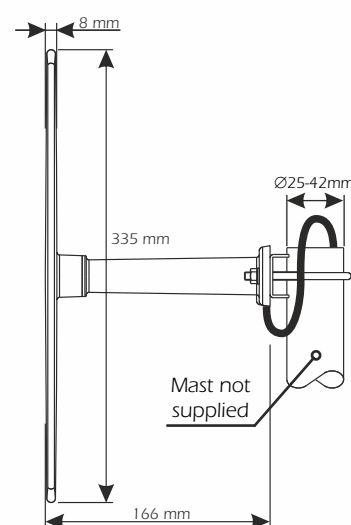
HGO 433-868

compact High Gain Omnidirectional

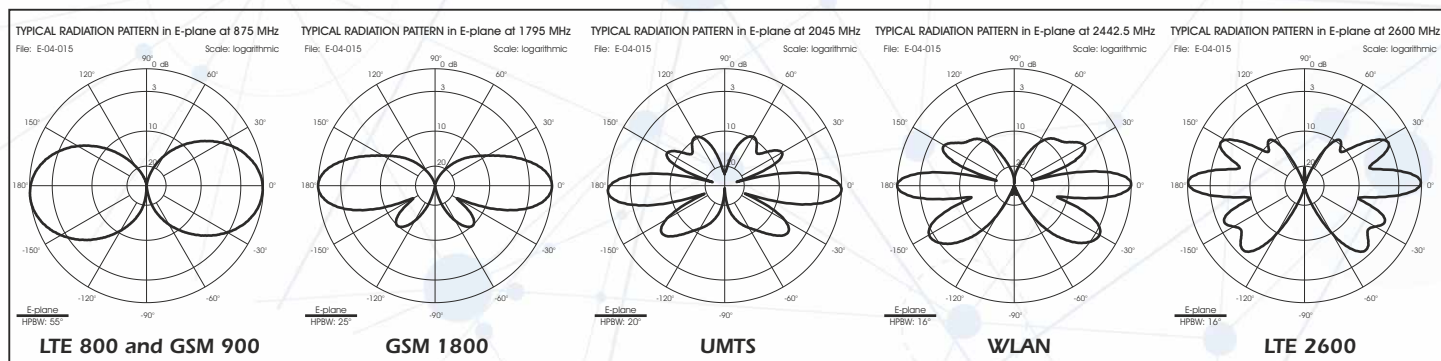
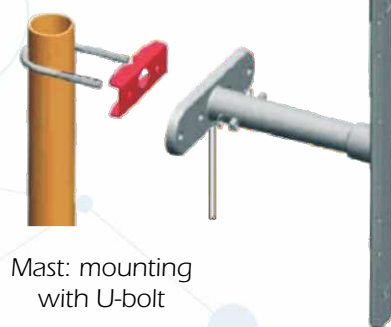
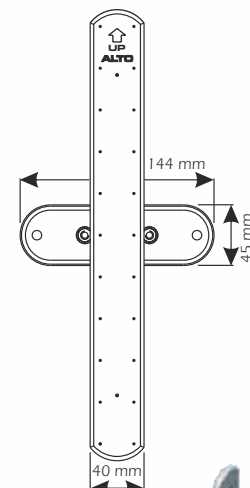
Features:

- # Flat Design and very compact base station antenna
- # Omnidirectional, Multi-band, High-gain, no tuning required
- # High quality PCB radiator protected by UV stabilized thermoplastic cover
- # HGO 433-868: For ISM 433 & 868
- HGO 4G LTE: For GSM 900 & 1800, PCS, DECT, UMTS and W-LAN 2.4 systems, LTE

MULTI-BAND Omnidirectional



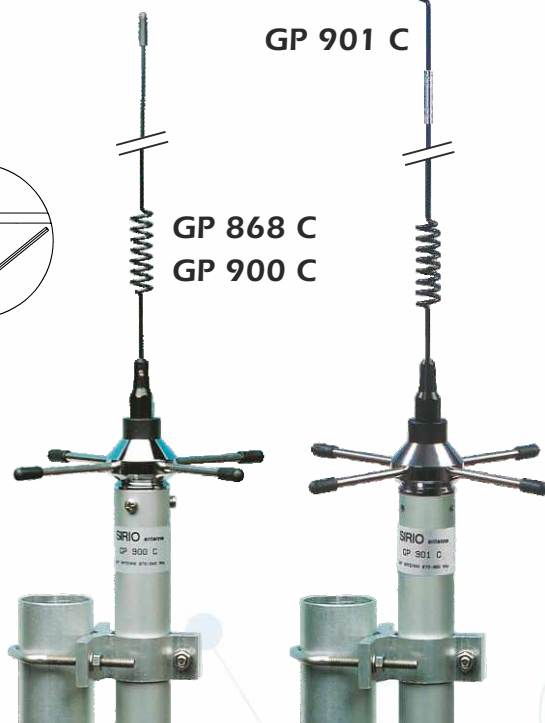
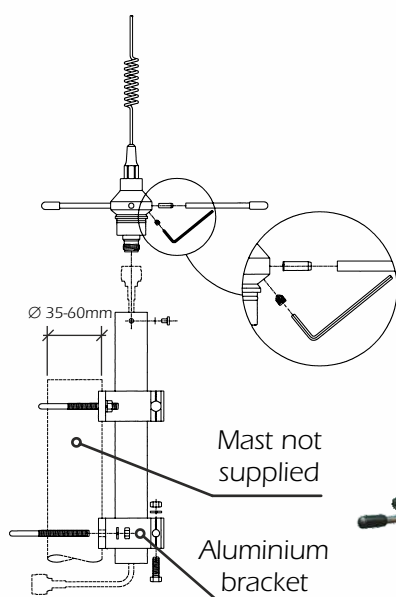
Electrical Data	HGO 4G LTE Improved	HGO 433-868
Type	Multi Band Dipole Array	
Frequency Range @ SWR ≤ 2	790-960 MHz (GSM 900, LTE 800) & 1.71-2.17GHz (GSM 1.8,PCN,DECT,UMTS) & 2.4-2.7 GHz (W-LAN 2.4, LTE 2.6)	415-465 MHz (ISM 433 MHz) & 815-890 MHz (ISM 868 MHz)
Impedance	50 Ω	
Radiation (H-plane)	360° omnidirectional	
Radiation (E-plane)	Beamwidth @ -3 dB: see diagrams	
Radiation angle deg.	0°	
Polarization	Linear Vertical	
Gain	5 dBi @ 790-960 MHz & 1.7-1.9 GHz, 6 dBi @ 1.9 - 2.17 GHz 5÷6 dBi @ 2.4-2.6 GHz	2 dBi @ 433 MHz, 4 dBi @ 868 MHz
Max Power (CW) @ 30° C	20 Watts @ 790 - 960 MHz 10 Watts @ 1.9 - 2.17 GHz 6 Watt @ 2.4 - 2.6 GHz	20 Watts
Cable Type/Length/Connector	White Low Loss / 50cm, 1.6 ft or 5m, 16.4 ft / SMA-male, other type on request	
Mechanical Data		
Housing & Radome Material	RAL 7035 Light Grey thermoplastic UV stabilized	
Bracket & Hardware Material	Galvanized Steel	
Wind Load / Resistance	36 N @ 150 Km/h / 200 Km/h, 124 mi/h	
Wind Surface	0.02 m², 0.21 ft²	
Dimensions (approx.)	335 x 166 x 144 mm, 13.2 x 6.5 x 5.7 in with bracket	
Weight (approx.)	350 gr, 0.77 lb	
Operating Temperature	-20 °C to +80 °C	
Ingress Protection	IP 54	
Installation type	Mast: Ø25-42mm, Ø1-1.65in with U-bolt. Wall: with mounting screws (not included)	
P/N 50cm, 1.6 ft cable	2153904/05CO	2154104/05CO
P/N 5m, 16.4 ft cable	2153904/5CO	2154104/5CO



GP series Ground Plane Base Station

"GP series" Features:

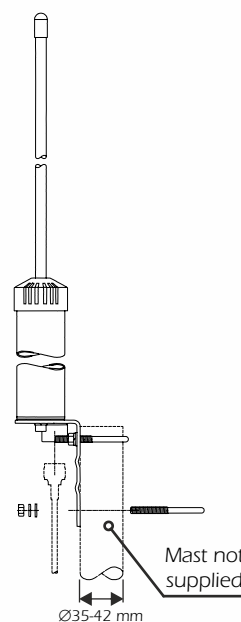
- # Base station antenna, Omnidirectional, Mono-band,
- # High-gain, no tuning required
- # Made of chromed brass, stainless steel whip, radials and hardware
- # Equipped with anodized aluminium bracket for an easy side mast installation
- # For ISM or GSM 900



CX series Coaxial J-pole

"CX series" Features:

- # Base station antenna, Omnidirectional
- # Mono-band, no tuning required
- # Protection from static discharges DC-ground
- # Made of aluminium alloy 6063 T-832
- # CX 840: for AMPS system
- # CX 868: for ISM system
- # CX 900: for GSM 900 system



Electrical Data	GP 868 C	GP 900 C	GP 901 C	CX 840	CX 868	CX 900
Type	1/4 λ + 1/2 λ Colinear	1/4 λ + 1/2 λ Colinear	1/4λ + 2x1/2λ Colinear	3/4 λ Coax J-pole	3/4 λ Coax J-pole	3/4 λ Coax J-pole
Frequency Range	835-900MHz @ SWR ≤ 2.0 (ISM)	870-960MHz @ SWR ≤ 2.6 (GSM 900)	870-960MHz @ SWR ≤ 2.8 (GSM 900)	824 - 894 MHz @ SWR ≤ 2.8 (AMPS)	845 - 885 MHz @ SWR ≤ 1.5 (868 ISM)	880 - 960 MHz @ SWR ≤ 2.6 (GSM 900)
Impedance	50 Ω					
Radiation (H-plane)	360° omnidirectional					
Radiation (E-plane) Beamwidth @ -3 dB	40° @ 868 MHz	40° @ 920 MHz	25° @ 920 MHz	70° @ 880 MHz	70° @ 860 MHz	70° @ 920 MHz
Radiation angle deg.	7°	7°	6°	10°	10°	10°
Polarization	Linear Vertical					
Gain	3 dBd, 5.14 dBi	3 dBd, 5.14 dBi	6 dBd, 8.14 dBi	0 dBd, 2.15 dBi	0 dBd, 2.15 dBi	0 dBd, 2.15 dBi
Max Power (CW) @ 30° C	50 Watts	50 Watts	50 Watts	100 Watts	100 Watts	100 Watts
Grounding Protection	/			All metal parts are DC-grounded, the inner conductor shows a DC-short		
Connector	N-female, gold plated central pin			N-female		
Mechanical Data						
Housing & Radome Material	Aluminium, Chromed Brass, Stainless Steel 17/7 PH			Aluminium, Zamac, Brass		
Bracket & Hardware Material	Aluminium, Stainless Steel			Galvanized Steel		
Wind Load @ 150Km/h / Resistance	13N/180Km/h,112 mi/h	13N/180Km/h,112mi/h	23N/150Km/h,93 mi/h	17N/180Km/h,112mi/h	17N/180Km/h,112mi/h	17N/180Km/h,112mi/h
Wind Surface	0.015 m ² , 0.16 ft ²	0.01 m ² , 0.11 ft ²	0.02 m ² , 0.21 ft ²	0.01 m ² , 0.1 ft ²	0.01 m ² , 0.1 ft ²	0.01 m ² , 0.1 ft ²
Height (approx.)	600 mm, 2 ft	550 mm, 1.8 ft	800 mm, 2.6 ft	390 mm, 1.28 ft	380 mm, 1.24 ft	370 mm, 1.2 ft
Radial length (approx.)	90 mm, 3.5 in	75 mm, 3 in	75 mm, 3in	/	/	/
Weight (approx.)	650 gr, 1.4 lb			470 gr, 1 lb		
Operating Temperature	-40 °C to +80 °C			-40 °C to +80 °C		
Installation type	Mast: Ø 35-60 mm, Ø 1.4-2.4 mm with V-bolt			Mast: Ø 35-42 mm, Ø 1.4-1.65 in		
P/N	2107006.00/868	2107006.00	2107606.00	2107401.00	2107501.00	2106601.00

SPO 868-915-6

NEW SPO 868-10 NEW

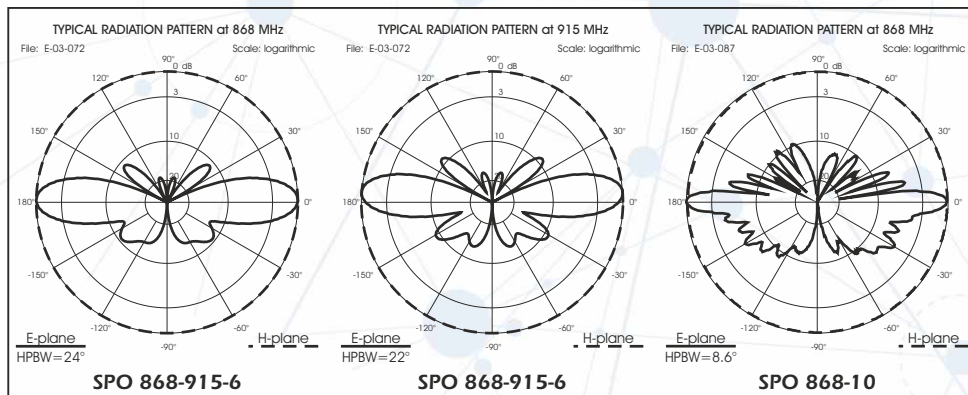
Sirio Professional Omni

Features:

- # Base station antenna, Omnidirectional, no tuning required
- # High quality PCB radiator protected by fiberglass tube
- # SPO 868-915/6: for ISM 868 & 915 system
- SPO 868-10: for ISM 868



Electrical Data	SPO 868-915-6	SPO 868-915-6 N-f	NEW SPO 868-10
Type	3 x 1/2 λ Colinear	3 x 1/2 λ Colinear	10 x 1/2 λ Colinear
Frequency Range @ SWR ≤ 1.5	868 - 915 MHz Dual Band	868 - 915 MHz Dual Band	868 - 870 MHz
Impedance	50 Ω		
Detection DC resistance	on request	on request	/
Radiation (H-plane)	360° omnidirectional		
Radiation (E-plane) Beam.@ -3dB	23°	23°	8.6°
Radiation angle deg.	0°		
Polarization	Linear vertical		
Gain	3.7 dBd, 5.8 dBi	3.7 dBd, 5.8 dBi	8.4 dBd, 10.5 dBi
Max Power (CW) @ 30° C	20 Watts		
Cable Type / Length	Low Loss / 5m, 16.4 ft	/	/
Connector	SMA-male, other on request	N-female, gold plated pint	N-female, gold plated pin
Mechanical Data			
Housing & Radome Material	Fiberglass, PCB, Anodized aluminium, Nickel plated brass		
Bracket & Hardware Material	Aluminium, Stainless steel		
Wind Load @ 150 Km/h, 93 mi/h	36 N	36 N	93 N
Wind Resistance	140 Km/h, 87 mi/h	140 Km/h, 87 mi/h	140 Km/h, 87 mi/h
Wind Surface	0.028 m²; 0.3 ft²	0.028 m²; 0.3 ft²	0.078 m²; 0.86 ft²
Height (approx.)	840 mm, 2.75 ft	840 mm, 2.75 ft	2590 mm, 8.5 ft
Weight (without bracket, approx.)	950 gr, 2.1 lb	950 gr, 2.1 lb	1500 gr, 3.3 lb
Operating Temperature	-40 °C to +80°C		
Ingress Protection	IP 66		
Installation type	Mast: Ø 35-60 mm, Ø 1.4-2.4 inch with U-bolt		
P/N	2111820/5SMA	2111820.00	2112120.00

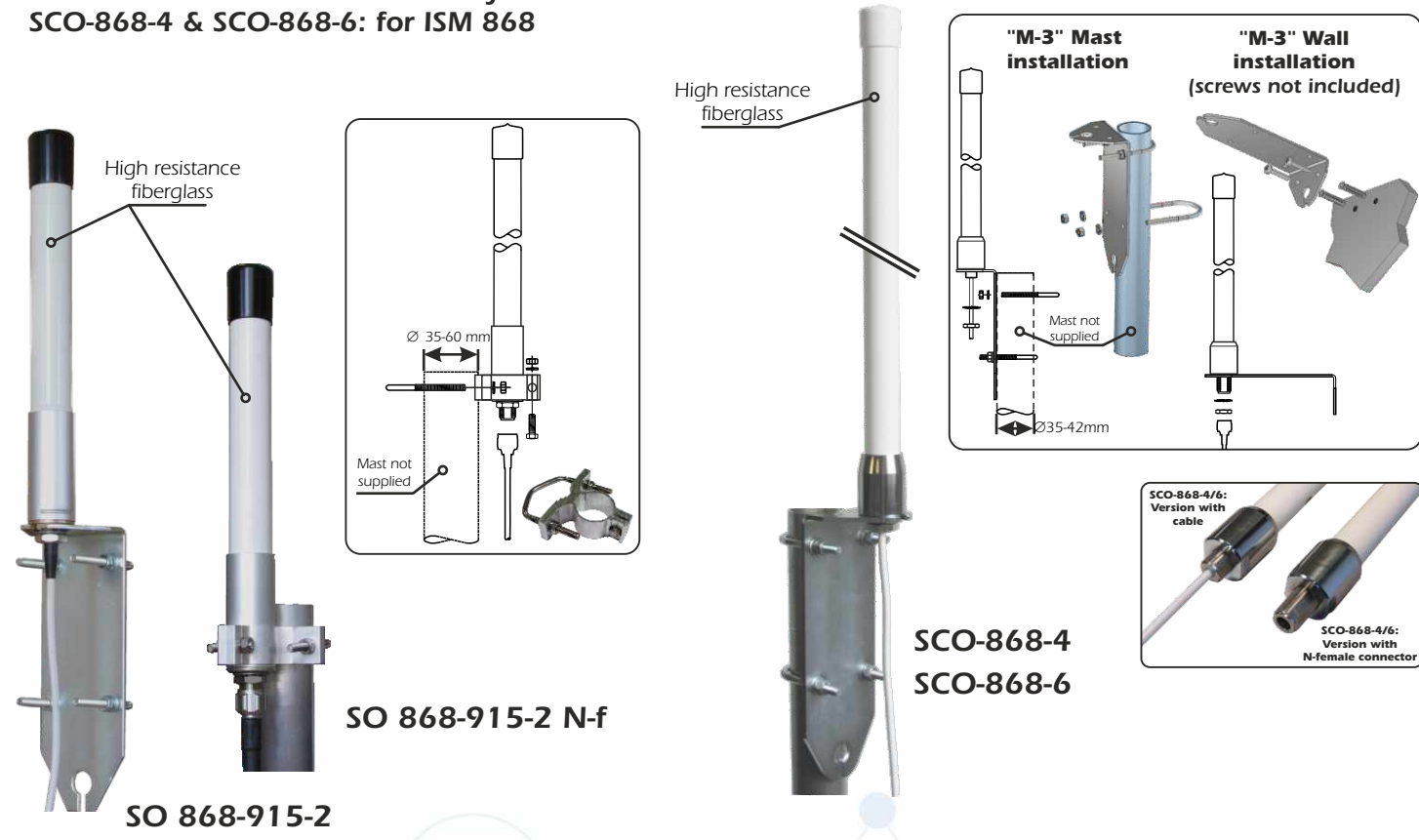


SO 868-915-2
Sirio Omni

SCO-868-4
SCO-868-6
Sirio Colinear Omni

Features:

- # Base station antenna, Omnidirectional, no tuning required
- # High quality PCB radiator protected by fiberglass tube
- # SO 868-915: for ISM 868 & 915 system
- SCO-868-4 & SCO-868-6: for ISM 868



Electrical Data	SO 868-915-2 N-f	SO 868-915-2	SCO-868-4 N-f	SCO-868-4	SCO 868-6 N-f	SCO 868-6
Type	1/2 λ Dipole		2 x 1/2 λ. Colinear		3 x 1/2 λ. Colinear	
Frequency Range @ SWR ≤ 1.5	868 - 915 MHz Dual Band		868 - 870 MHz		868 MHz	
Impedance			50 Ω			
Detection DC resistance	10 KΩ *		/		on request	
Radiation (H-plane)			360° omnidirectional			
Radiation (E-plane) Beam.@ -3dB	88°		32°		22°	
Radiation angle deg.			0°			
Polarization			Linear Vertical			
Gain	0 dBd, 2.15 dBi		2.2 dBd, 4.3 dBi		4.1 dBd, 6.2 dBi	
Max Power (CW) @ 30° C			20 Watts			
Cable Type / Length	/	Low Loss / 5m,16.4ft	/	Low Loss / 5m,16.4 ft	/	Low Loss / 5m,16.4 ft
Connector	N-female, gold plated pin	SMA-male*	N-female, gold plated pin	SMA-male*	N-female, gold plated pin	SMA-male*

Mechanical Data

Housing & Radome Material	Fiberglass, PCB, Chromed Brass					
Bracket & Hardware Material	Aluminium, Stainless steel		Galvanized steel			
Wind Load @ 150 Km/h,93 mi/h	34 N		35 N		41 N	
Wind Resistance	200 Km/h, 124 mi/h		140 Km/h, 87 mi/h		120 Km/h, 75 mi/h	
Wind Surface	0.011 m²; 0.12 ft²		0.0243 m²; 0.25 ft²		0.03 m²; 0.32 ft²	
Height (approx.)	290 mm, 0.95 ft		500 mm, 1.65 ft		770 mm, 2.5 ft	
Weight (without bracket, approx.)	235 gr, 0.52 lb	335 gr, 0.74 lb	280 gr, 0.6 lb	380 gr, 0.84 lb	330 gr, 0.7 lb	490 gr, 1.1 lb
Operating Temperature	-40 °C to +80 °C					
Ingress Protection	IP 66					
Installation type	Mast: Ø 35-60 mm,... Ø1.4-2.4 in / V-bolt		"M-3" bracket: Mast: Ø 35-42 mm, Ø 1.4-1.65 inch with U-bolt Wall: by screws (not included)			
P/N	2111920.00	2111920/5SMA	2111620.00	2111620.80	2111720.00	2111720.80

*Other types on request

SCO series

Sirio Colinear Omnidirectional

HIGH-GAIN

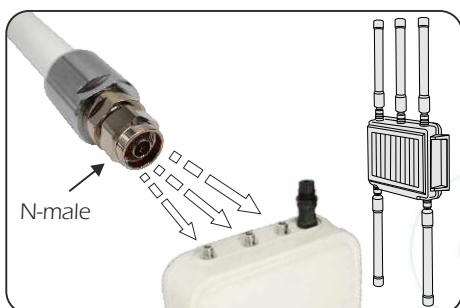


N-male connector:

SCO-2.4-6 W-LAN 2.4

SCO-2451 W-LAN 2.4 & 5 GHz

High resistance
fiberglass



N-male

High resistance
fiberglass



High resistance
fiberglass



Aluminium
bracket

N-female connector:

SCO-2.4-9 W-LAN 2.4

SCO-3.3-10 LTE 3.4

N-female connector:

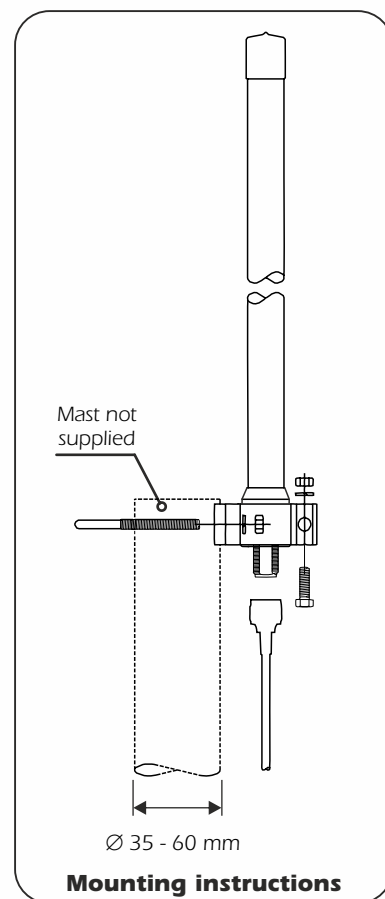
SCO-1.93-6 DECT

SCO-2-6 UMTS

SCO-2.4-6 W-LAN 2.4

SCO-3.3-7 LTE 3.4

SCO-2451 W-LAN 2.4 & 5 GHz



Mast not
supplied

Ø 35 - 60 mm

Mounting instructions



Fixing bracket:

Spare parts: p/n SA303

Materials: extruded aluminum

Hardware: stainless

Dimensions : 80 x 65 x 25 mm

Weight: 110 gr

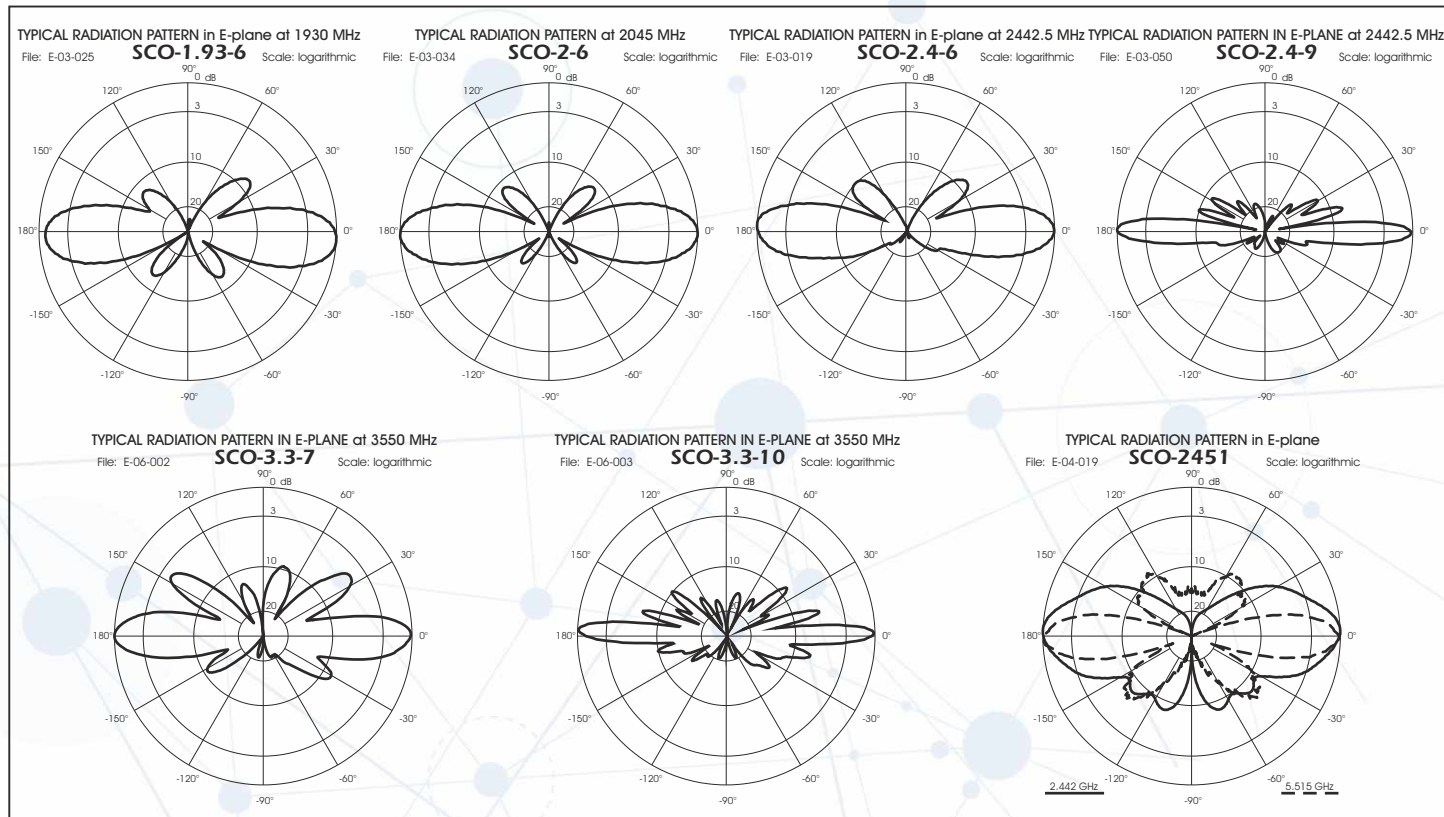
SCO series

Sirio Colinear Omnidirectional

Features:

- # Base station antenna, Omnidirectional, Mono-band, High-gain, no tuning required
- # High quality PCB radiator protected by fiberglass tube
- # For DECT or UMTS or W-LAN 2.4 (IEEE 802.11b) or LTE 3.3 or W-LAN 5.15 (IEEE 802.11a)

Electrical Data	SCO-1.93-6	SCO-2-6	SCO-2.4-6	SCO-2.4-9	SCO-3.3-7	SCO-3.3-10	SCO-2451
Type: Dipole Array	3 x 1/2 λ	3 x 1/2 λ	3 x 1/2 λ	7 x 1/2 λ	3 x 1/2 λ	7 x 1/2 λ	Colinear Array
Frequency Range	1.88-1.98 GHz @ SWR ≤ 1.5 (DECT)	1.92-2.47 GHz @ SWR ≤ 2.6 (UMTS)	2.4-2.485 GHz @ SWR ≤ 1.5 (W-LAN 2.4)	2.4-2.485 GHz @ SWR ≤ 1.5 (W-LAN 2.4)	3.3-3.8 GHz @ SWR ≤ 1.5 (LTE 3.4 GHz)	3.3-3.8 GHz @ SWR ≤ 1.5 (LTE 3.4 GHz)	2.4- 2.485 GHz & 5.15-5.875 GHz (W-LAN 2.4 - 5)
Impedance	50 Ω						
Radiation (H-plane)	360° omnidirectional						
Radiation (E-plane) Bw @-3dB	27° @ 1.93 GHz	27° @ 2.045 GHz	22° @ 2.442 GHz	10° @ 2.442 GHz	17° @ 3.55 GHz	10° @ 3.55 GHz	30° & 20°
Radiation angle deg.	0°						
Polarization	Linear Vertical						
Gain	6 dBi	6 dBi	6 dBi	9 dBi	7 dBi	10 dBi	4 & 6 dBi
Max Power (CW) @ 30° C	20 Watts	20 Watts	20 Watts	20 Watts	10 Watts	10 Watts	10 Watts
Grounding Protection	All metal parts are DC-grounded, the innner conductor show a DC-short						Open circuit
Connector	N-female or N-male, gold plated central pin						
Mechanical Data							
Housing & Radome Material	Fiberglass, Aluminium, Chromed Brass, PCB						
Bracket & Hardware Material	Models with N-female only: Aluminium, Stainless Steel						
Wind Load @ 150 Km/h	11 N	11 N	10 N	20 N	10 N	20 N	9 N
Wind Resistance	200Km/h,124mi/h	200Km/h,124mi/h	200Km/h,124mi/h	200Km/h,124mi/h	200Km/h,124mi/h	200Km/h,124mi/h	200Km/h,124mi/h
Wind Surface	0.01 m², 0.11 ft²	0.01 m², 0.11 ft²	0.01 m², 0.11 ft²	0.02 m², 0.21 ft²	0.01 m², 0.11 ft²	0.02 m², 0.21 ft²	0.007 m², 0.08 ft²
Height (approx.)	400 mm, 1.3 ft	400 mm, 1.3 ft	390 mm, 1.3 ft	630 mm, 2.1 ft	325 mm, 1.07 ft	630 mm, 2.1 ft	255 mm, 0.83 ft
Weight (approx.)	360 gr, 0.8 lb	360 gr, 0.8 lb	350 gr, 0.77 lb	415 gr, 0.9 lb	350 gr, 0.77 lb	410 gr, 0.9 lb	330 gr, 0.72 lb
Operating Temperature	-40 °C to +80 °C						
Ingress Protection	IP 66						
Installation type	Models with N-female only: Mast: Ø 35-60 mm, Ø 1.4-2.4 in with V-bolt						
P/N N-female connector	2110620.00	2110520.00	2130220.00	2130320.00	2132520.00	2132620.00	2132120.00
P/N N-male connector	/	/	2130220.00/NM	/	/	/	2132120.00/NM



SO-918-2, SO-918-2 M1

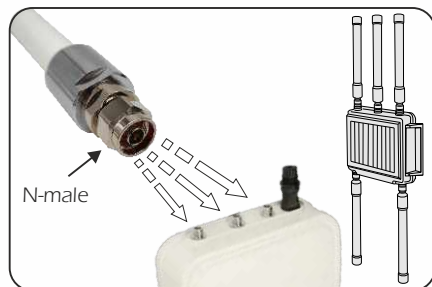
Sirio Omnidirectional Antennas

Features:

- # Base station antenna, Omnidirectional, Multi-band, Unity-gain
- # High quality PCB radiator protected by fiberglass tube
- # Protection from static discharges DC-ground, no tuning required
- # For ISM, GSM 900 & 1800, PCS, DECT and UMTS systems

MULTI-BAND Omnidirectional

N-male for direct
router installation



SO-918-2 (N-male)



SO-918-2 (N-fem)



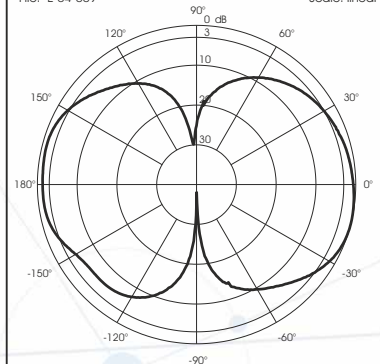
SO-918-2 M1

Electrical Data	SO-918-2 (N-male)	SO-918-2 (N-fem)	SO-918-2 M1
Type	1/2 λ Dipole		
Frequency Range @ SWR $\leq$ 2.0	868 - 960 MHz (ISM, GSM 900) & 1.71 - 2.17 GHz (GSM 1.8, PCN, DECT, UMTS)		
Impedance	50 Ω		
Radiation (H-plane)	360° omnidirectional		
Radiation (E-plane) Beamwidth @ -3 dB	50°		
Radiation angle deg.	0°		
Polarization	Linear Vertical		
Gain	2.15 dBi		
Max Power (CW) @ 30° C	20 Watts		
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows an open circuit		
Cable Type / Length	/	/	White Low Loss / 5m, 16.4 ft
Connector	N-male, gold plated pin	N-female, gold plated pin	SMA-male, other on request

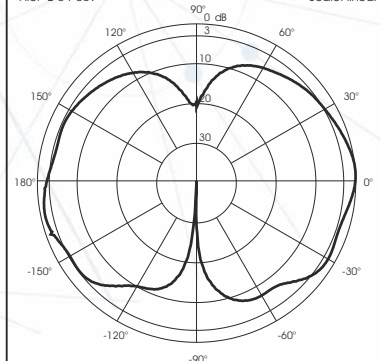
Mechanical Data

Housing & Radome Material	Fiberglass, Chromed Brass, PCB		
Bracket & Hardware Material	/	Aluminium, Stainless steel	Stainless steel M1 bracket
Wind Load @ 150Km/h / Resistance	11 N / 200 Km/h, 124 mi/h		
Wind Surface	0.01 m ² , 0.11 ft ²		
Height (approx.)	257 mm, 0.84 ft		
Weight (approx.)	350 gr, 0.77 lb		
Operating Temperature	-20 °C to +80 °C		
Ingress Protection	IP 66		
Installation type	direct router installation	Mast: $\varnothing$ 35-60mm, 1.4-2.4in with V-bolt	Wall: with mounting screws (not included)
P/N	2110320.00/NM	2110320.00	2110920.80

TYPICAL RADIATION PATTERN in E-plane at 880 MHz
File: E-04-009 Scale: linear



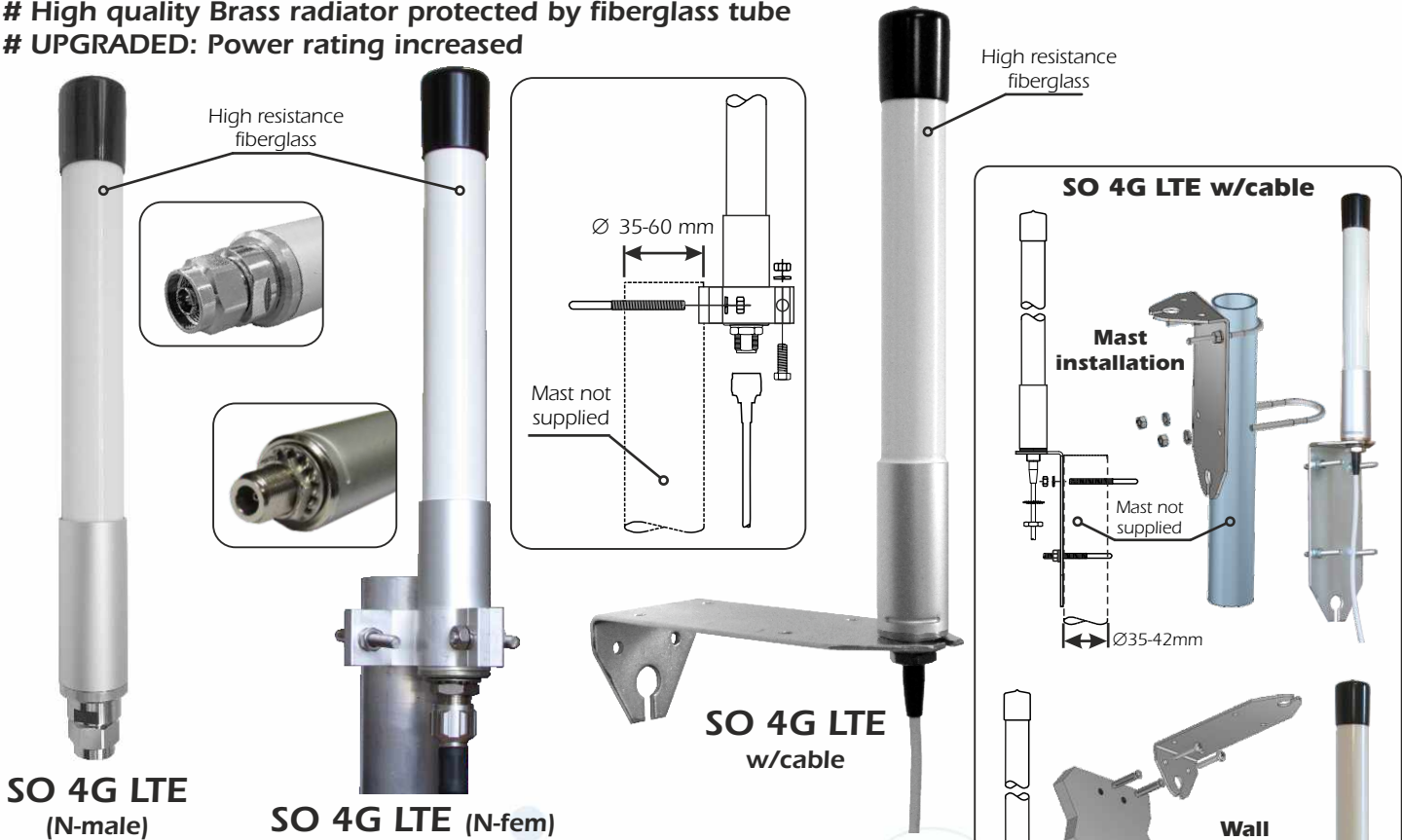
TYPICAL RADIATION PATTERN in E-plane at 1710 MHz
File: E-04-009 Scale: linear



SO 4G LTE

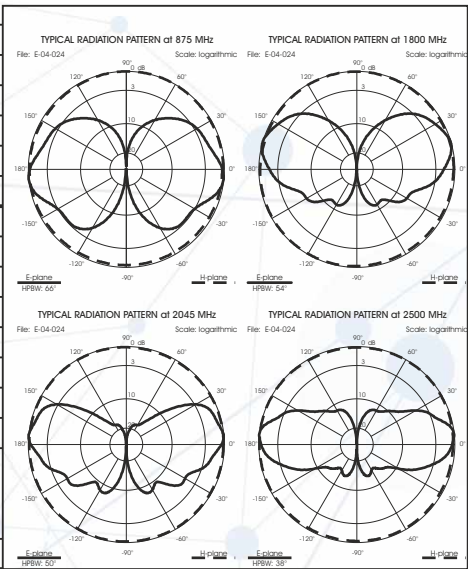
Sirio Omnidirectional 4G LTE bands

- Features:**
- # Base station antenna, **REAL OMNIDIRECTIONAL PATTERN**
 - # For LTE 800, ISM 868 & 915, AMPS, GSM dual, UMTS, WLAN, LTE systems
 - # High quality Brass radiator protected by fiberglass tube
 - # **UPGRADED:** Power rating increased



Electrical Data	SO 4G LTE (N-male)	SO 4G LTE (N-fem)	SO 4G LTE cable
Type	Colinear Dipole Array		
Frequency Range @ SWR ≤ 2.2	790 - 960 MHz (LTE, ISM, GSM 900) & 1.71 - 2.7 GHz (GSM 1.8, PCN, DECT, UMTS, WLAN, LTE)		
Impedance	50 Ω		
Radiation (H-plane)	360° omnidirectional		
Radiation (E-plane)	Beamwidth @ -3 dB: see diagrams		
Radiation angle deg.	see diagrams		
Polarization	Linear Vertical		
Gain	2 dBi @ 790-960 MHz; 4 dBi @ 1.71-2.7 GHz		
Max Power (CW) @ 30° C	50 Watts (Up-graded)		
Cable Type / Length	/	/	Low Loss cable / 5m, 16.4 ft
Connector	N-male, gold plated pin	N-female, gold plated pin	SMA-male, other on request

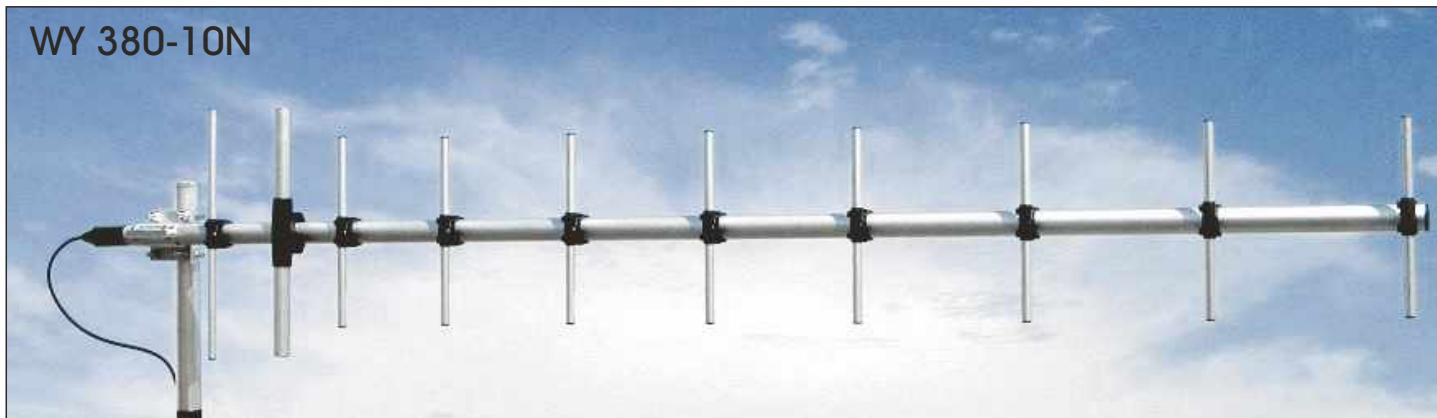
Mechanical Data	SO 4G LTE (N-male)	SO 4G LTE (N-fem)	SO 4G LTE cable
Housing & Radome Material	Fiberglass, Anodized aluminium, Chromed Brass		
Bracket & Hardware Material	/	Aluminium, Stainless steel	Galvanized steel
Wind Load / Resistance	14 N @ 150 Km/h, 93 mi/h / 200 Km/h, 124 mi/h		
Wind Surface	0.011 m²; 0.12 ft²		
Height (approx.)	300 mm, 1 ft		
Weight (without bracket, approx.)	230 gr, 0.5 lb	230 gr, 0.5 lb	495 gr, 1.1 lb
Operating Temperature	-30 °C to +70 °C		
Ingress Protection	IP 66		
Installation type	Direct router installation	Mast: Ø 35-60 mm, Ø 1.4-2.4 in with V-bolt	"M3" bracket: Mast: U-bolt Ø35-42mm, Ø1.4-1.65 in Wall: by screws (not included)
P/N	2111520.00/NM	2111520.00	2111520.80



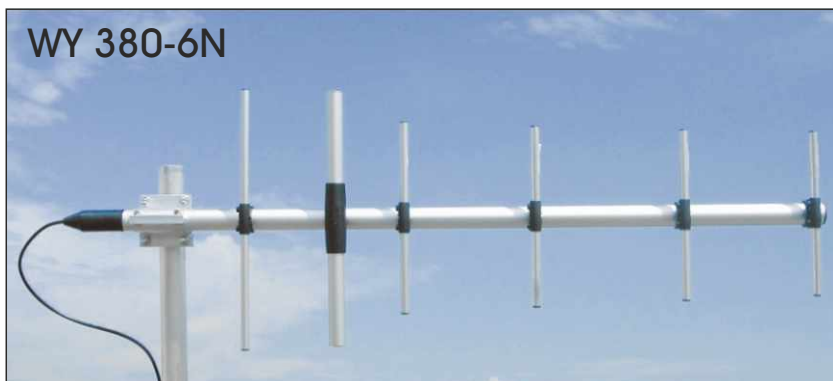
WY series

Wide-band Yagi 300-500 MHz

WY 380-10N

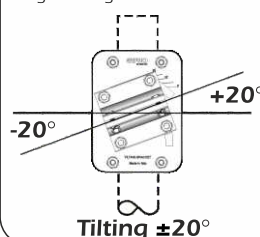


WY 380-6N



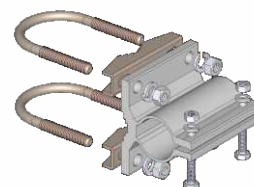
TB-2
Optional Tilting bracket
P/N 2519803.00

Materials & Hardware: zinc plated steel
Dimensions: 115 x 155 x 6 mm.
Weight: 800 gr



FT-6
Standard bracket
P/N 2519913.00

Materials: extruded aluminum
Hardware: stainless steel
Mast: Ø35-60mm, Ø1.4-2.4 in
Dimensions: 90x85x65mm, 3.5x3.3x2.6in
Weight: 550 gr, 1.2 lb



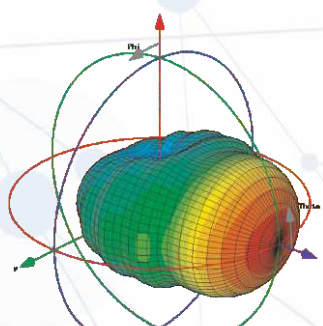
WY 380-3N



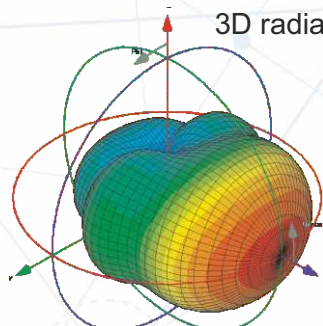
WIDE-BAND YAGI

New feed system for
High simmetrical pattern
Completely computer
designed for the
best performances
Patent pending

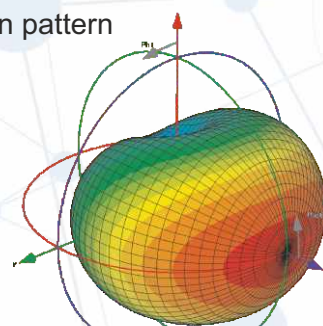
WY 300-4N



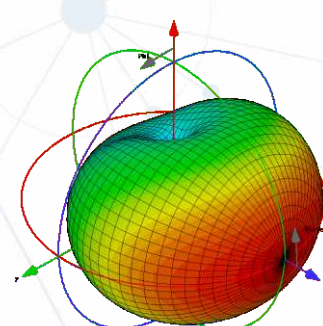
WY-380-10N



WY-380-6N



WY-380-3N



WY-300-4N

3D radiation pattern

WY series

Wide-band Yagi 300-500 MHz

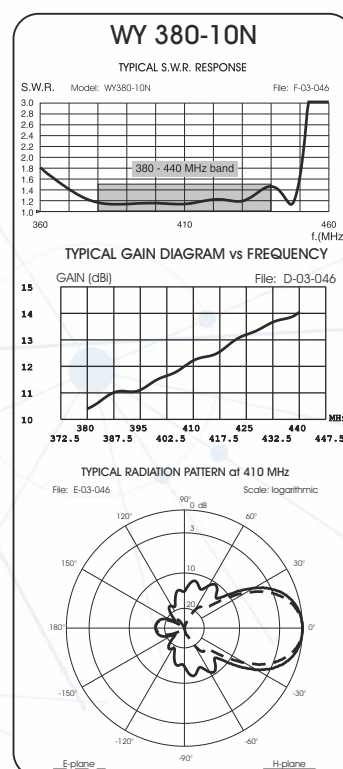
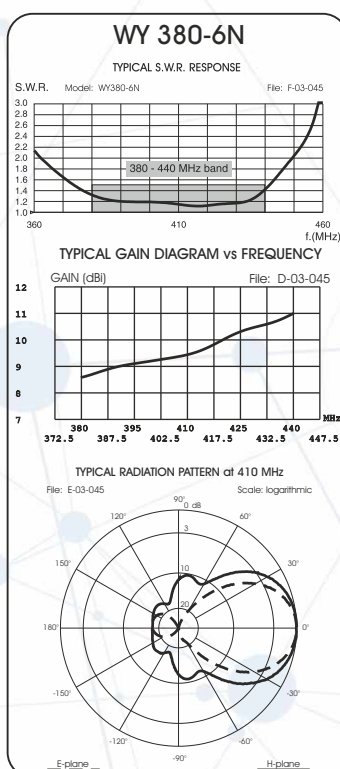
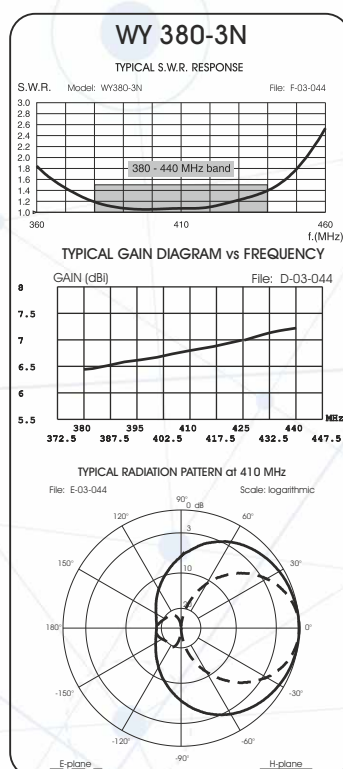
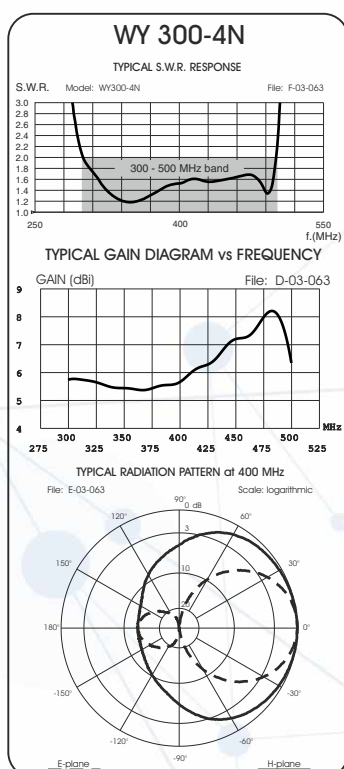
Features:

- # Wide-band directional base station antenna. No tuning required
- # Exclusive feed system conceived for the highly symmetrical radiation pattern in both planes (E and H), patent pending applied
- # Completely computer designed to get the best performance of gain and front-to-back ratio in the band of interest
- # Made of anodized 6063-T5 aluminium, extruded aluminium bracket, rear mounting
- # N female connector protected by EPDM rubber cap for RG58 or RG213 cables
- # Stacked & bayed array for higher gain, Optional tilting bracket
- # Up-graded: mast fixing bracket up to 60mm; 2.4in

Electrical Data	WY 300-4N	WY 380-3N	WY 380-6N	WY 380-10N
Type	4 elements Yagi	3 elements Yagi	6 elements Yagi	10 elements Yagi
Frequency Range	300-500 MHz @ SWR ≤ 2.0	380-440 MHz @ SWR ≤ 1.5	380-440 MHz @ SWR ≤ 1.5	380-440 MHz @ SWR ≤ 1.5
Impedance	50 Ω			
Radiation (H-plane) beam@-3dB,HCM	150° @ 400 MHz, 037KA00	125°, 062LA14	70°, 035EB00	50°, 025EB00
Radiation (E-plane) beam@-3dB,HCM	60° @ 400 MHz, 034EA30	65°, 032EA14	55°, 027EA14	45°, 022EA12
Front to back ratio	≥ 9 dB	≥ 17 dB	≥ 17 dB	≥ 18 dB
Polarization	Linear Vertical or Horizontal			
Gain	5.85 dBd - 8 dBi	4.85 dBd - 7 dBi	8.85 dBd - 11 dBi	11.85 dBd - 14 dBi
Max Power (CW) @30° C	150 Watts			
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a DC short			
Connector	N-female with rubber protection cap			

Mechanical Data

Materials	Anodized 6063-T5 Aluminium, EPDM rubber, thermoplastic UV stabilized, Chromed Brass			
Wind Load @ 150 km/h	60 N	65 N	100 N	150 N
Wind Resistance	180 Km/h, 112 mi/h	180 Km/h, 112 mi/h	150 Km/h, 93 mi/h	120 Km/h, 75 mi/h
Wind Surface	0.048 m ² , 0.51 ft ²	0.048 m ² , 0.51 ft ²	0.078 m ² , 0.83 ft ²	0.121 m ² , 1.3 ft ²
Dimensions W x H (approx.)	600 x 480 mm, 2 x 1.57 ft	565 x 400 mm, 1.9 x 1.3 ft	1180 x 400 mm, 3.9 x 1.3 ft	2125 x 400 mm, 7.0 x 1.3 ft
Turning radius (approx.)	470 mm, 1.54 ft	460 mm, 1.5 ft	1050 mm, 3.5 ft	1990 mm, 6.5 ft
Weight (approx.)	1300 gr, 2.87 lb	1130 gr, 2.5 lb	1540 gr, 3.5 lb	2120 gr, 4.7 lb
Operating temperature	-40° C to +60° C			
Mounting Mast	Ø 35 - 60 mm, 1.4-2.4 in			
Boom / Dipole / Element Diameter	Ø 32 mm, 1.3 in / Ø 24 mm, 0.95 in / Ø 12 mm, 0.5 in			
P/N	2113801/300	2113501/380	2113601/380	2113701/380



SY 906, SY 910

Sirio Yagi Antenna

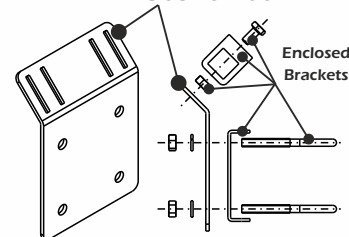
Features:

- # Base station antenna, Directional
- # Mono-band, High-gain, no tuning required
- # Protection from static discharges DC-ground
- # Made of anodized aluminium alloy
- # For LTE 700, AMPS, ISM and GSM 900 systems
- # New "M-4" optional bracket available for MiMo installation

HIGH-GAIN Directional



"M-4" OPTIONAL Bracket
for +45° or -45° Polarization
P/N 2503704.00



FT-4



Optional "FT-4" Fixing Bracket

Top Size for antenna fitting: $\varnothing 38 \times 100 \text{ mm}$, $\varnothing 3.1 \times 3.9 \text{ in}$
Bottom Size: $2 \times \varnothing 9 \text{ mm}$, 0.35 in wall fitting (screws not included)
Weight (approx.): 780gr, 1.7 lb. Material: Galvanized Steel, FT-4 2513404.00

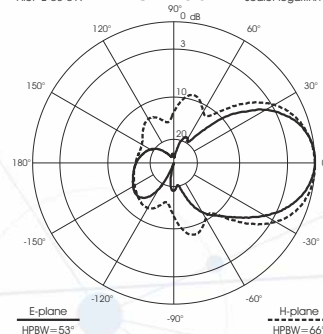
Electrical Data	SY 906	SY 910
Type	6 elements yagi antenna	10 elements yagi antenna
Frequency Range @ SWR ≤ 1.4	698 - 960 MHz (LTE 700, ISM, AMPS, GSM 900)	
Impedance	50 Ω	
Radiation (H-plane) Beamwidth @ -3 dB	66° @ 880 MHz	44° @ 890 MHz
Radiation (E-plane) Beamwidth @ -3 dB	53° @ 880 MHz	38° @ 890 MHz
Radiation angle deg.	0°	
Front to back ratio	$\geq 12 \text{ dB}$ @ 698 - 880 MHz; $\geq 15 \text{ dB}$ @ 880 - 960 MHz	
Polarization	Linear Vertical	
Gain	11.5 dBi	15 dBi
Max Power (CW) @ 30° C	10 Watts	
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a DC-short	
Connector	FME-male	

Mechanical Data

Housing & Radome Material	Aluminium, PCB, Thermoplastic	
Bracket & Hardware Material	Galvanized Steel	
Wind Load @ 150 Km/h / Resistance	27 N / 180 Km/h, 112 mi/h	48 N / 150 Km/h, 93 mi/h
Wind Surface	0.02 m ² , 0.21 ft ²	0.03 m ² , 0.32 m ²
Dimensions (approx.)	210 x 595 x 60 mm, 8.3 x 23.4 x 2.4 in	210 x 995 x 60 mm, 8.3 x 39.2 x 2.4 in
Turning radius (approx.)	580 mm, 22.8 in	960 mm, 37.8 in
Weight (approx.)	410 gr, 0.9 lb	500 gr, 1.1 lb
Operating Temperature	-20 °C to +80 °C	
Installation type	Mast: $\varnothing 25\text{-}42 \text{ mm}$, 1-1.6 in with U-bolt	
P/N	2109901.00	2110001.00

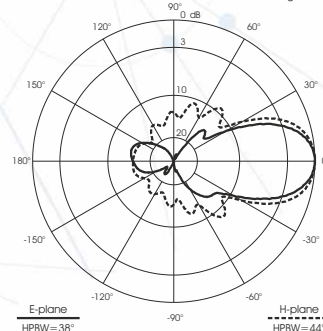
TYPICAL RADIATION PATTERN at 880 MHz

File: E-03-017 SY 906 Scale: logarithmic



TYPICAL RADIATION PATTERN at 880 MHz

File: E-03-018 SY 910 Scale: logarithmic



SLP 4G-LTE

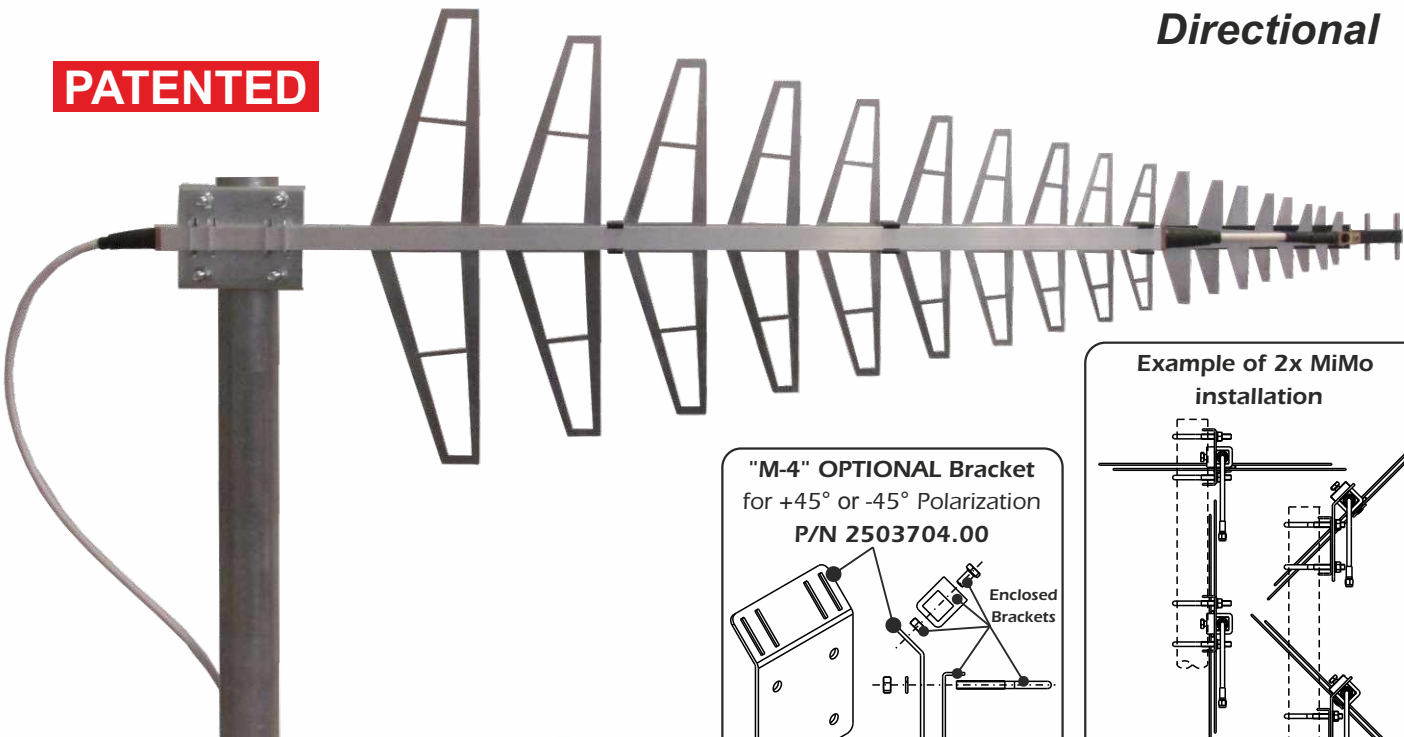
Sirio Log Periodic

Features:

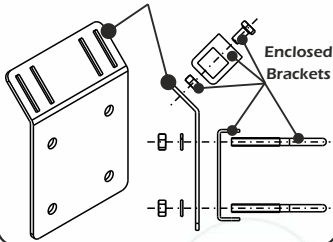
- # Base station antenna, Directional, Wide-band, High-gain, no tuning required
- # 4G LTE multi systems (2G-GSM, 3G-UMTS, 4G-LTE, LTE 700, ISM/LoRa, WiFi, W-Lan etc)
- # Made of Aluminium and High quality materials
- # Vertical or Horizontal polarization.
- # Optional bracket +45° polarization. Suitable for MiMo installation

WIDE-BAND
Directional

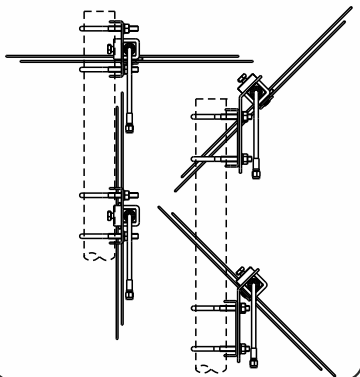
PATENTED



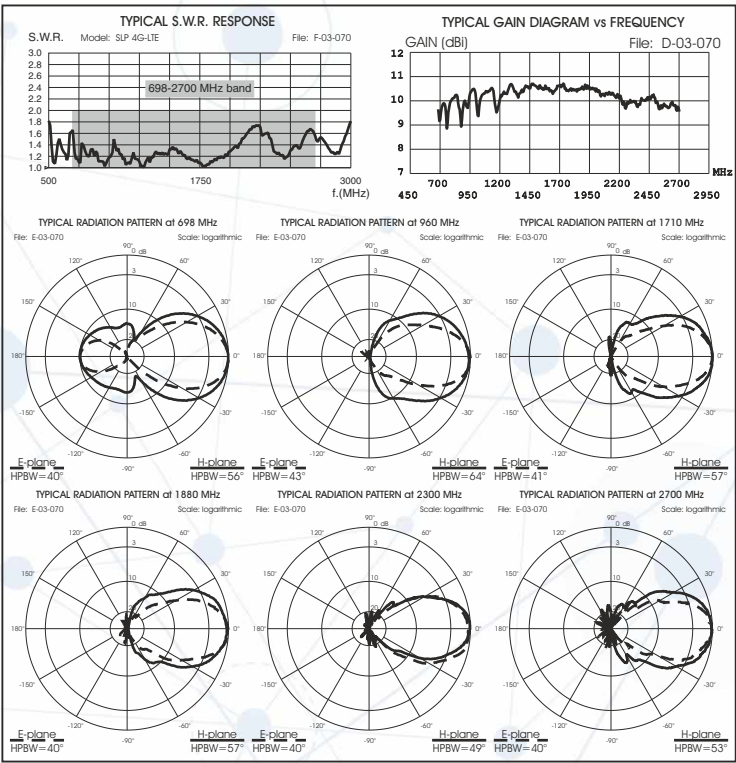
"M-4" OPTIONAL Bracket
for +45° or -45° Polarization
P/N 2503704.00



Example of 2x MiMo installation



Electrical Data	SLP 4G/LTE
Type	Log Periodic Directional
Frequency Range @ SWR ≤ 2	698 - 2700 MHz (2G-GSM/GPRS, 3G-UMTS, 4G-LTE, ISM/SIGFOX/LoRa, WiFi, W-Lan etc.)
Impedance	50 Ω
Radiation (H-plane) Beamwidth @ -3 dB	40° (approx. freq. dependent)
Radiation (E-plane) Beamwidth @ -3 dB	56° (approx. freq. dependent)
Radiation angle deg.	0°
Front to back ratio	698-880MHz: ≥10 dB; 880-2700MHz: ≥20 dB
Polarization	Linear Vertical or Horizontal
Gain	9 ÷ 11 dBi
Max Power (CW) @ 30° C	10 Watts
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a DC-short
Cable / Connector	50cm Low-Loss / SMA-male (other on request)
Mechanical Data	
Housing & Radome Material	Aluminium, Thermoplastic, Chromed Brass
Bracket & Hardware Material	Galvanized Steel
Wind Load / Resistance	92 N @ 130 Km/h / 130 Km/h, 81 mi/h
Wind Surface	0.07 m², 0.75 ft²
Dimensions (approx.)	850 x 290 x 30 mm, 2.8 x 0.95 x 0.1 ft
Turning radius (approx.)	820 mm, 2.7 ft
Weight (approx.)	770 gr, 1.7 lb
Operating Temperature	-40 °C to +70 °C
Ingress Protection IP	IP 67
Installation type	Mast: Ø 25-42 mm, Ø 1-1.65 in with U-bolt
P/N	2112001.00



SMP series

High gain, Sirio Mini Panel

SMP Features:

- # Compact base station antenna, High-gain
- # Indoor-Outdoor, Directional, Multi-band
- # High quality PCB radiator protected by UV stabilized radome
- # SMP 4G LTE: For LTE 800, GSM 900&1800,DCS, UMTS, LTE & W-LAN 2.4 systems
- SMP 24-33: W-LAN 2.4 & LTE 2.3 & 3.4
- # SMP 4G LTE 50W: version high power up to 50 W, w/ PTFE cable

SMP MiMo Features:

- # Compact base station antenna, High-gain
- # Indoor-Outdoor, Directional, Multi-band
- # 2x Wide band elements in single case conceived for MiMo sytems
- # High quality PCB radiator protected by UV stabilized radome
- # SMP 4G LTE MiMo: For LTE 800, GSM 900&1800, DCS, UMTS, LTE & W-LAN 2.4 systems



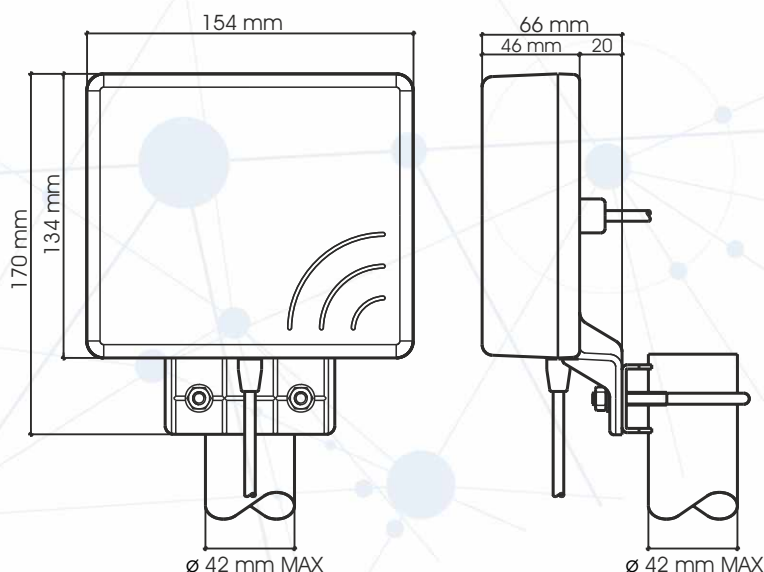
SMP 4G LTE
SMP 4G LTE 50W
SMP 24-33



SMP 4G LTE
MIMO

TB-1 optional tilting bracket

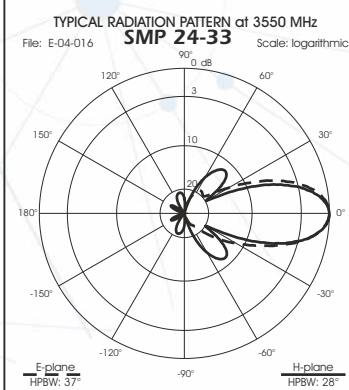
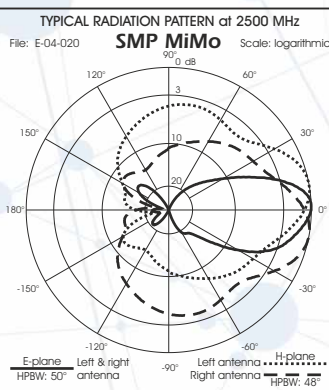
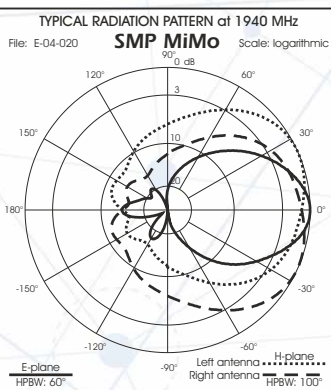
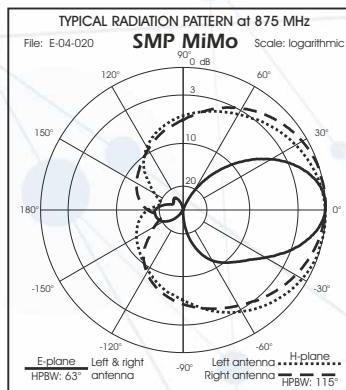
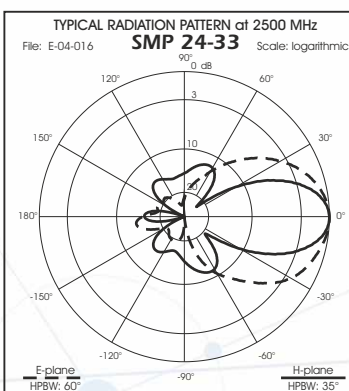
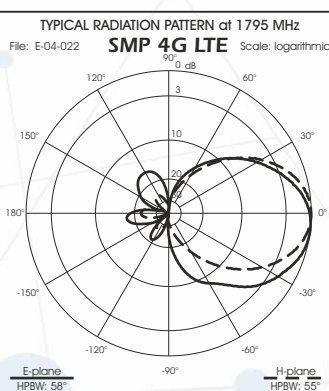
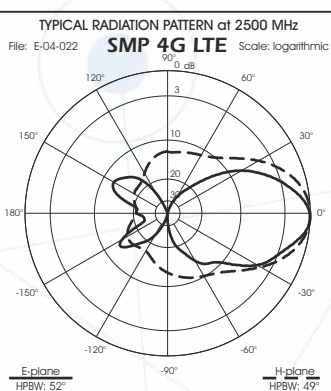
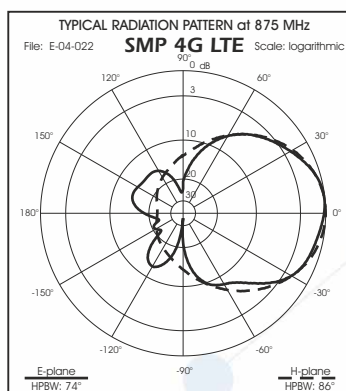
Mast: Ø35-50mm, Ø1.4-2 in
with clamp included
Wall: with mounting screws (not included)
P/N 2519703.00



SMP series

High gain, Sirio Mini Panel

Electrical Data	SMP 4G LTE	SMP 4G LTE 50W	SMP 4G LTE MiMo	SMP 24-33
Type	Mini Panel Antenna for Indoor or Outdoor use		Mini Panel-2 wideband elem.	Mini Panel Antenna
Frequency Range @ SWR≤2	790 - 960 MHz (LTE 800, GSM 900) & 1.71 - 2.7 GHz (DCS, UMTS, LTE, WLAN)			2.3-2.7 GHz (W-LAN, LTE 2.3) & 3.3 - 3.8 GHz (LTE 3.4)
Impedance	50 Ω			
Radiation Beamwidth @ -3 dB	see Typical Radiation Pattern			
Front to back ratio	≥12 dB @ 790-960 MHz. ≥16 @ 1.71-1.88GHz ≥20 dB @ 1.92-2.17 GHz. ≥10 @ 2.3-2.7 GHz		≥ 10 dB @ 790-960 MHz ≥ 15 dB @ 1.71-2.7 GHz	≥ 15 dB @ 2.3-2.7 GHz ≥ 20 dB @ 3.3-3.8 GHz
Polarization	Linear vertical			
Gain	6+7 dBi @ 790-960 MHz 9 dBi @ 1.71-2.17 GHz 8+9 dBi @ 2.3-2.7 GHz	7 dBi @ 790-960 MHz 9 dBi @ 1.71-2.17 GHz 8+9 dBi @ 2.3-2.7 GHz	5 dBi @ 790-960 MHz; 8 dBi @ 1.71-2.7 GHz (each element)	10 dBi @ 2.3-2.7 GHz, 13 dBi @ 3.3-3.8 GHz
Correlation Coefficient	-	-	< 0.1	-
Max Power (CW) @ 30° C	30 Watts @ 790-960 MHz 15 Watts @ 1.71-1.88 GHz 10Watts @ 1.92-2.7 GHz	50 Watts	20 Watts @ 790-960 MHz; 8 Watts @ 1.71-2.7 GHz (each element)	6 Watts
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a open circuit			
Cable Type	White Low Loss	RG 303 PTFE	2x White Low Loss	White Low Loss
Cable Length	30cm, 1ft or on req.	1m, 3.3ft	30cm, 1ft or on req.	30cm, 1ft or on req.
Connector	SMA-male, other on request	N-male	2x SMA-male, other on request	SMA-male, other on request
Mechanical Data				
Housing & Radome Material	RAL 7035 Light Grey thermoplastic UV stabilized			
Bracket & Hardware Material	Galvanized Steel			
Wind Load / Resistance	40 N @ 150 Km/h / 180 Km/h, 112 mi/h			
Wind Surface	0.02 m ² , 0.21 ft ²			
Dimensions (approx.)	154 x 134 x 46 mm, 6 x 5.3 x 1.8 in without bracket			
Weight (approx.)	500 gr, 1.1 lb			
Operating Temperature	-40 °C to +80 °C			
Ingress Protection	IP 44			
Installation type	Mast: Ø 25-42 mm, Ø 1-1.6 in with U-bolt.		Wall: with mounting screws (not included)	
P/N	2111003.00	2111003/PW	2111403.00	2111303.00



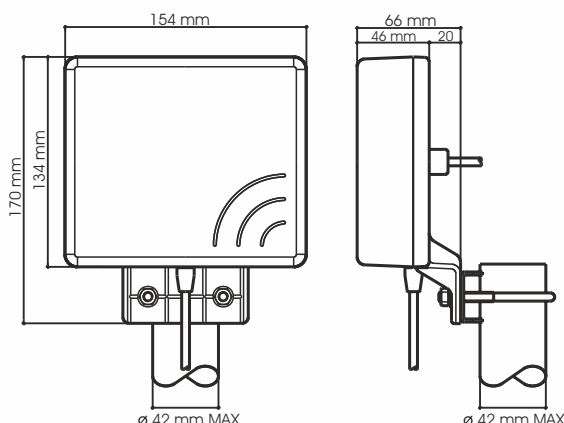
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SMP 5G

Sirio Mini Panel

Features:

- # Compact base station antenna, High-gain
- # Indoor-Outdoor, Directional, Multi-band
- # High quality PCB radiator protected by UV stabilized radome
- # For LTE 800, LTE 698 MHz, GSM 900&1800, DCS, UMTS, LTE & W-LAN 2.4, 3.3-3.8 GHz

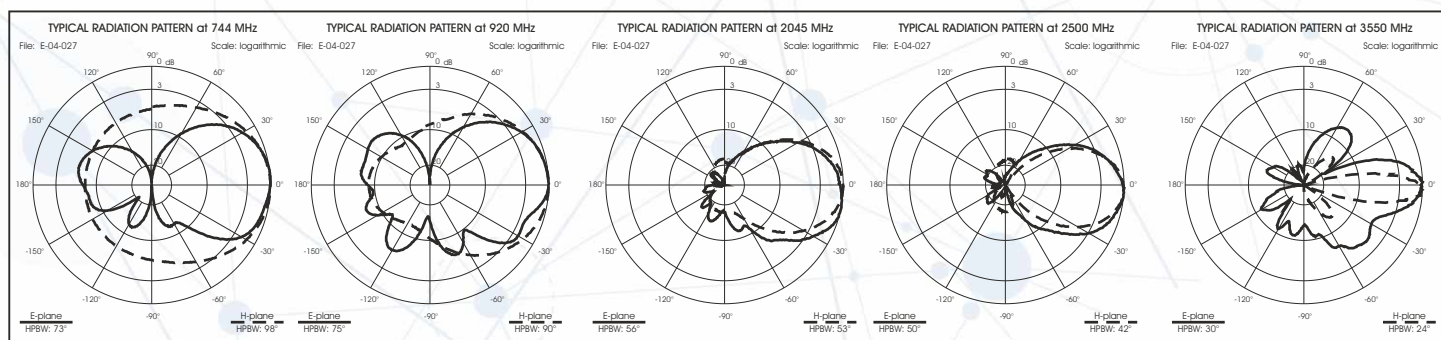


Electrical Data	SMP 5G
Type	Mini Panel Antenna Wideband
Frequency Range @ SWR≤2	698-960 MHz & 1.71-2.7 GHz & 3.3 - 3.8 GHz
Impedance	50 Ω
Radiation Beamwidth @ -3 dB	see Typical Radiation Pattern
Front to back ratio	≥ 4 dB @ 698-960 MHz; ≥ 12 dB @ 1.71-3.8 GHz
Polarization	Linear Vertical
Gain	4 ÷ 6 dBi @ 698-960 MHz; 9 ÷ 10 dBi @ 1.71-2.17 GHz 11 ÷ 12 dBi @ 2.3-3.8 GHz-
Max Power (CW) @ 30° C	35 Watts @ 697-960 MHz; 35 Watts @ 1.71-2.17 GHz 25 Watts @ 2.3-2.7 GHz; 20 Watts @ 3.3-3.8 GHz
Cable Type / Length / Connector	White Low Loss / 30cm, 1ft or on request / SMA-male, other on request

Mechanical Data

Housing & Radome Material	RAL 7035 Light Grey thermoplastic UV stabilized,
Bracket & Hardware Material	galvanized steel
Wind Load / Resistance	40 N @ 150 Km/h / 180 Km/h, 112 mi/h
Wind Surface	0.02 m ² , 0.21 ft ²
Dimension (approx.)	154 x 134 x 46 mm, 6 x 5.3 x 1.8 in without bracket
Weight (approx.)	420 gr, 0.93 lb
Operating Temperature	-40 °C to +80 °C
Ingress Protection	IP 44
Installation type	Mast: Ø25-42 mm with U-bolt (included) Wall: mounting screws (not included)
P/N	2112203.00

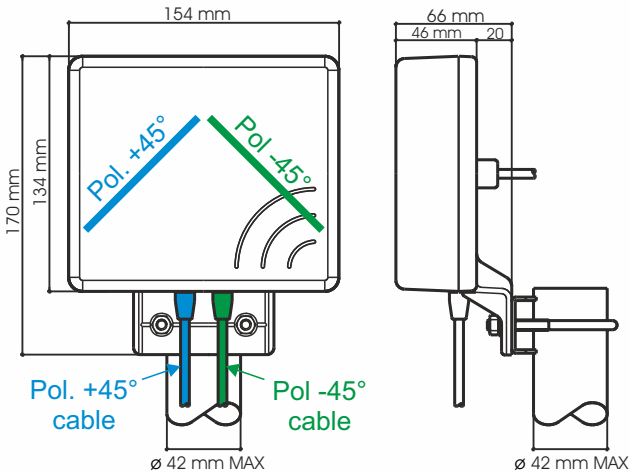
TB-1 optional tilting bracket
 Mast: Ø35-50mm, Ø1.4-2 in
 with clamp included
 Wall: with mounting screws (not included)
P/N 2519703.00



SMP-X W-Lan MiMo

Sirio Mini Panel, Cross Polarized

- Features:**
- # 2x dual band cross polarized antennas in single case;
 - # Designed for MiMo 2x2 technology;
 - # Very compact directional panel antenna;
 - # Suitable for indoor and outdoor use.

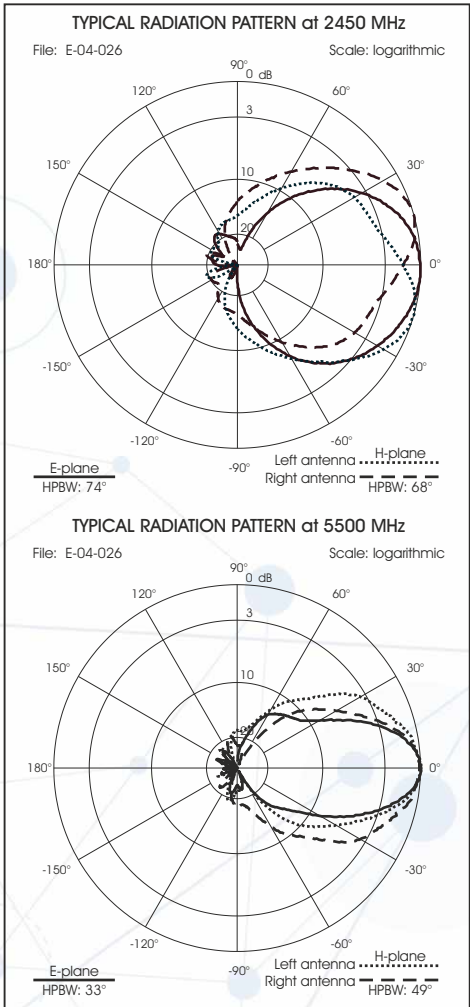
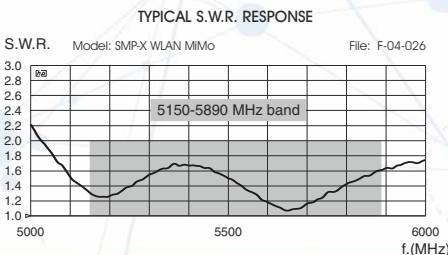
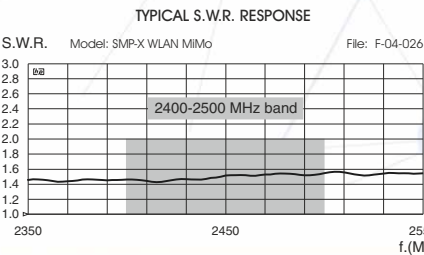


DUAL-BAND

Cross Polarization

Electrical Data	SMP-X W-lan MiMo
Type	Mini Panel, 2x dual band antenna
Frequency Range	2400-2500 MHz @ SWR ≤ 2 & 5150-5890 GHz @ SWR ≤ 2
Impedance	50 Ω
Radiation (H-plane)	68° @ 2450 MHz, 49° @ 5500 MHz
Radiation (E-plane) Beamwidth @ -3 dB	74° @ 2450 MHz, 33° @ 5500 MHz
Radiation angle deg.	0°
Polarization	Dual: +45° and -45°
Gain	7 dBi @ 2400-2500 MHz, 11.4 dBi @ 5150-5890 MHz
Max Power (CW) @ 30° C	20 W @ 2400-2500 MHz, 8 W @ 5150-5890 MHz
Connector	SMA-m, gold plated central pin

Mechanical Data	
Housing & Radome Material	RAL 7035 Light Grey thermoplastic UV stabilized, galvanized steel
Dimension (approx.)	154 x 134 x 46 mm (without bracket)
Weight (approx.)	420 gr, 0.93 lb
Operating Temperature	-40 °C to +80 °C
Ingress Protection	IP 44
Installation type	Mast: Ø25-42 mm with U-bolt (included) Wall: mounting screws (not included)
P/N	2112803.00



SLP-1.7:2.5-11

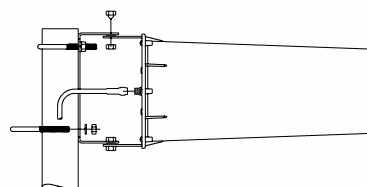
Sirio Log Periodic

Features:

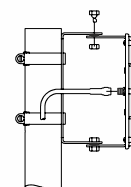
- # Base station antenna, Directional,
- # Wide-band, High-gain, no tuning required
- # for DCS 1.8, PCS 1.8, DECT, UMTS and W-LAN 2.4 systems



WIDE-BAND
Directional



U-bolt (standard)

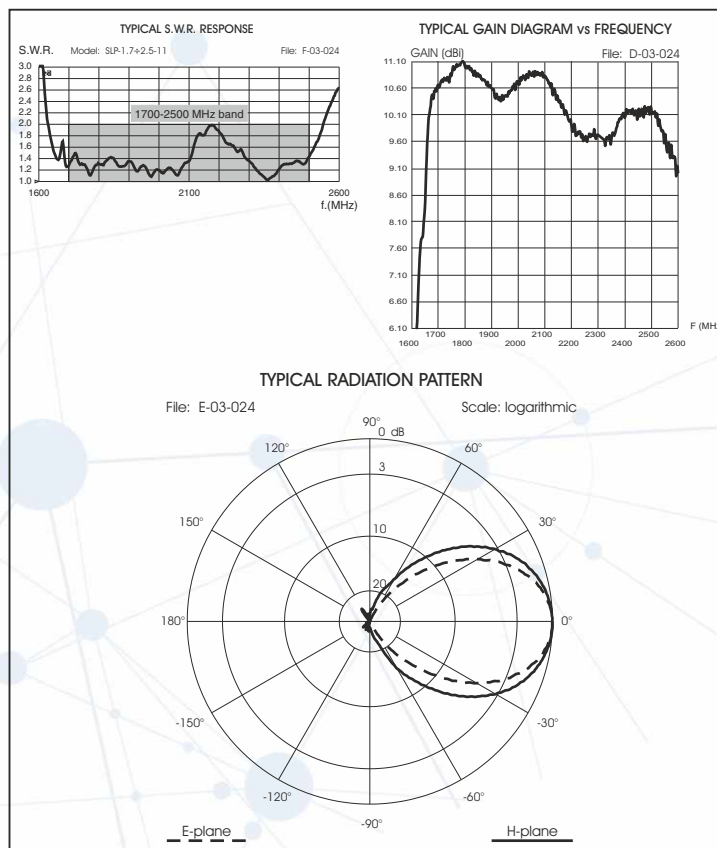


Clamp (optional)

Electrical Data	SLP-1.7:2.5-11
Type	Log Periodic Dipole array
Frequency Range	1.71 - 2.5 GHz @ SWR ≤ 2 (GSM 1.8, PCN, DECT, UMTS, W-LAN 2.4)
Impedance	50 Ω
Radiation (H-plane) Beamwidth @ -3 dB	58° frequency independent
Radiation (E-plane) Beamwidth @ -3 dB	46° frequency independent
Radiation angle deg.	0°
Front to back ratio	≥ 24 dB
Polarization	Linear Vertical
Gain	11.1 dBi
Max Power (CW) @ 30° C	50 Watts
Grounding Protection	All metal parts are DC-grounded, the inner conductor shows a DC-short
Connector	SMA-female panel

Mechanical Data

Housing & Radome Material	Brass, Aluminium, White ABS UV stabilized
Bracket & Hardware Material	Galvanized Steel
Wind Load / Resistance	61 N @ 150 Km/h / 180 Km/h, 112 mi/h
Wind Surface	0.04 m ² , 0.43 ft ²
Dimensions (approx.)	345 x 135 x 73 mm, 13.6 x 5.3 x 2.9 in
Turning radius (approx.)	310 mm, 12.2 in
Weight (approx.)	400 gr, 088 lb
Operating Temperature	-40 °C to +80 °C
Installation type	Mast: Ø 35-42 mm, Ø 1.4-1.65 in with U-bolt; Clamp: Ø 25-70 mm, Ø 1-2.75 in (optional); Wall: with mounting screws (not included)
P/N	2130103.00



SPH-1.5:6-17

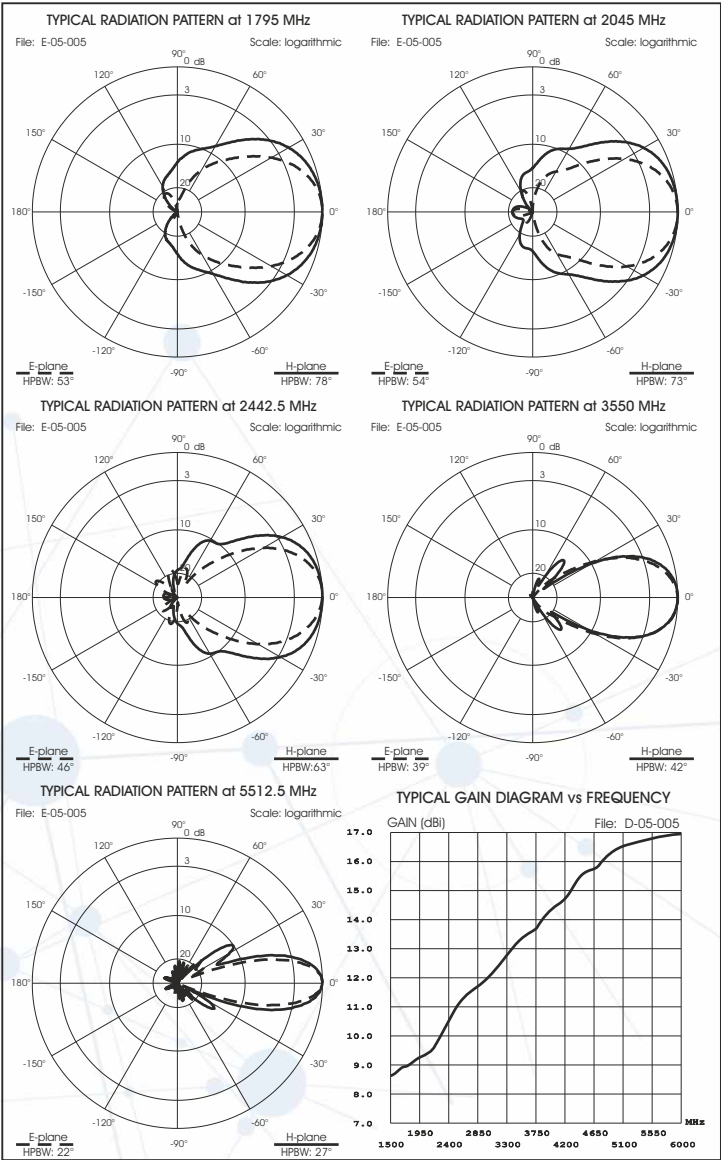
Sirio Planar Horn

- Features:
- # Base station antenna, Directional,
 - # Wide-band, High-gain, no tuning required
 - # for DCS 1.8, PCS 1.8, DECT, UMTS, W-LAN 2.4 & 5.47



WIDE-BAND
Directional

Electrical Data	SPH-1.5:6-17
Type	Wide Band PCB antenna
Frequency Range	1.5-6 GHz @ SWR ≤ 1.8 (GSM 1.8, PCN, DECT, UMTS, W-LAN 2.4 & 5.47, WiMAX 2.3 & 3.3)
Impedance	50 Ω
Radiation (H-plane) Beamwidth @ -3 dB	see diagram
Radiation (E-plane) Beamwidth @ -3 dB	see diagram
Radiation angle deg.	0°
Front to back ratio	≥ 20 dB
Polarization	Linear Vertical
Gain	17 dBi @ 6 GHz
Max Power (CW) @ 30° C	15 Watts @ 1.5-4 GHz, 10 Watts @ 4-6 GHz
Grounding Protection	All metal parts are DC-grounded, the inner conductor show an open circuit
Connector	SMA-female panel
Mechanical Data	
Housing & Radome Material	PCB, Aluminium, White ABS UV stabilized
Bracket & Hardware Material	Galvanized Steel
Wind Load / Resistance	61 N @ 150 Km/h / 180 Km/h, 112 mi/h
Wind Surface	0.04 m ² , 0.43 ft ²
Dimensions (approx.)	345 x 135 x 73 mm, 13.6 x 5.3 x 2.9 in
Turning radius (approx.)	310 mm, 12.2 i
Weight (approx.)	450 gr, 1 lb
Operating Temperature	-40 °C to +80 °C
Installation type	Mast: Ø 35-42 mm, Ø 1.4-1.65 in with U-bolt; Clamp: Ø 25-70 mm, Ø 1-2.75 in (optional); Wall: with mounting screws (not included)
P/N	2130003.00



NEW LPA 5G MiMo W-LAN NEW

Low Profile Antenna 698-960 MHz & 1.7-3.8 GHz

Features:

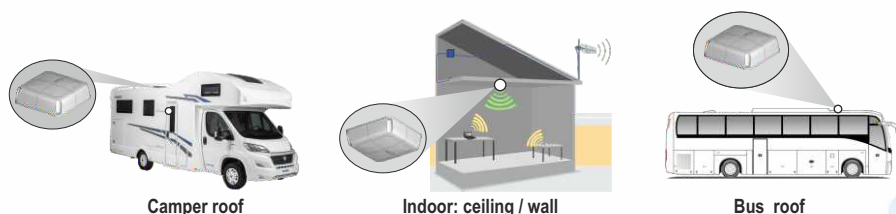
- # Low profile antenna designed to the use on vehicles and ceiling installation
- # 5G MiMo 2x multi systems (2G-GSM, 3G-UMTS, 4G-LTE, 5G, LTE 700, ISM/LoRa, etc)
- # W-LAN Bual Band (2.4-2.485 GHz & 5.15-6 GHz)
- # 5G MiMo 2x: Protection from static discharges DC-Ground. No Ground Plane Required.
- # High Antenna Efficiency. Center OR Side Cable Outlet. Completely sealed and waterproof



LPA 5G ceiling MiMo/Wlan



LPA 5G side MiMo/Wlan

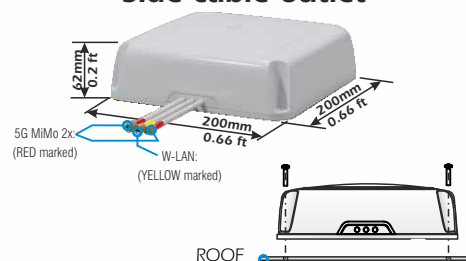


Electrical Data	LPA 5G Side cable MiMo/Wlan	LPA 5G ceiling MiMo/Wlan
Type	Wide Band MiMo	
Frequency Range @ SWR ≤ 2	MiMo 2x: 698-960 MHz & 1.71- 3.8 GHz (2G, 3G, 4G, 5G) W-LAN: 2.4-2.485 GHz & 5.15-6 GHz (W-Lan Dual band)	
Impedance	50 Ω	
Polarization	Linear Vertical	
Gain Max	5G MiMo 2x: 3 dBi @ 698-960 MHz; 7 dBi @ 1.71-3.8 GHz W-LAN: 3 dBi @ 2.4-2.485 GHz; 7 dBi @ 5.15-6 GHz	
Typical Efficiency	5G MiMo 2x: > 80 % @ 698-960 MHz; > 85 % @ 1.71-6 GHz; W-LAN: > 90 %	
Correlation Coefficient	5G MiMo 2x: < 0.05	
Isolation	5G MiMo 2x Connectors: > 12 dB W-LAN Connector: > 20 dB to 5G MiMo 2x Connectors	
Max Power (CW) @ 30° C	10 Watts	
Grounding Protection	5G MiMo 2x: all metal parts are DC-grounded, the inner conductor shows a DC-short W-LAN: the inner conductor shows a open circuit	
Cables	3x 2 m; 3x 6.5 ft White Low-Loss	3x 0.5 m; 3x 1.6 ft White Low-Loss
Connectors	5G MiMo 2x: 2 x SMA-male* (RED marked) W-LAN: 1 x SMA-male RP* (YELLOW marked) *Other types on request	

Mechanical Data

Housing & Radome Material	ASA UL94 Thermoplastic, Brass, PCB
Dimensions (approx.)	200 x 200 x 62 mm, 0.66 x 0.66 x 0.2 ft
Weight (approx.)	400 gr, 0.9 lb
Operating Temperature	-30 °C to +70 °C
Ingress Protection	IP 65
Installation type	On Vehicle Roof/ on Ceiling: 4x Screws (not included)
P/N	2219103/2SMA 2219203/0.5SMA

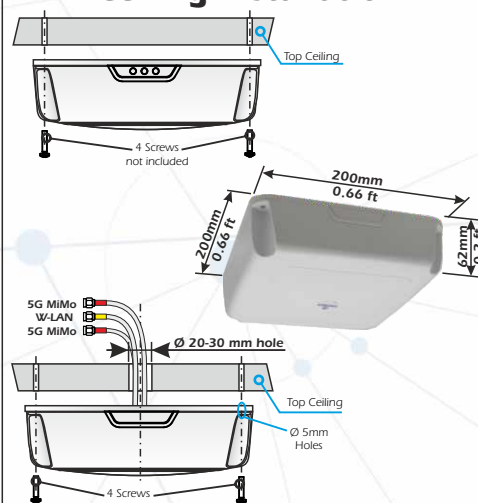
Side cable outlet



EXCELLENT FOR:

- Vehicle roof installation
- Ceiling where long cables are needed
- Everywhere needing long cables

Ceiling installation



EXCELLENT FOR:

- Indoor installation
- Countertop cable routing
- Everywhere needing short cables or cable extensions.

LPA series

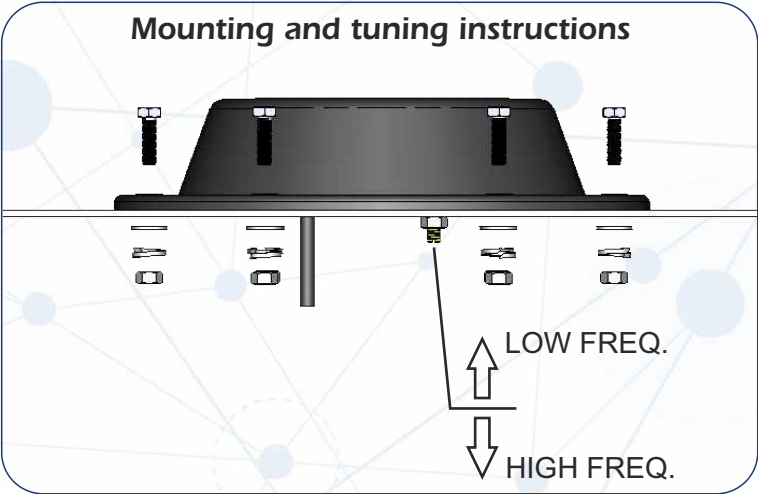
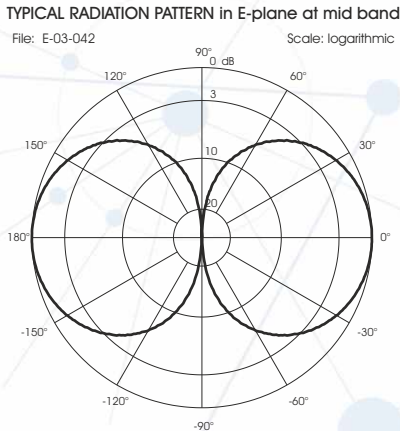
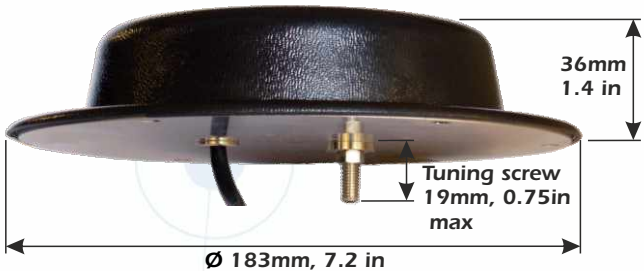
Low Profile Antenna 380...470 MHz

Features:

- # Low profile mobile antenna designed for use on vehicles operating under severe height limitations such as buses, trains, trams, etc
- # Unity-gain omnidirectional mono-band
- # Protection from static discharges DC-Ground
- # Tunable by acting on internal screw

Electrical Data	LPA 380	LPA 420
Frequency Range	tunable 380...430 MHz	tunable 420...470 MHz
Impedance	50 Ω	
Radiation (H-plane)	360° Omnidirectional	
Radiation (E-plane)	Beamwidth @ -3 dB = 78°	
Polarization	Linear Vertical	
Gain	2 dBi (0 dB ref. to λ/4 whip) @ resonant freq.	
SWR @ res. freq.	Typically ≤ 1.5 @ resonant freq.	
Bandwidth @ SWR ≤ 2	Typically 2.5% @ center freq.	
Max Power (CW) @30°C	100 Watts	
Grounding Protection	All metal parts are DC-grounded, the inner conductor is coupled capacitively	
Cable Length / Type	1m, 3.2 ft / RG 58 C/U	
Connector	Standard: BNC-male, other on request	
Mechanical Data		
Materials	ABS UV stabilized, Aluminium, Brass	
Operating temperature	-40° C to +80°C	
Dimensions (approx.)	Ø 183 mm, 7.2 in / height 36 mm, 1.4 in	
Weight (approx.)	400 gr, 0.9 lb	
Mounting Hole	6x Ø 4.5 mm, 0.18 in + 2x Ø 16mm, 0.63 in	
P/N	2219003/380	2219003/420

Remark: Optimum performance is achieved when the antenna is fitted on a metallic ground plane λ/2 square.

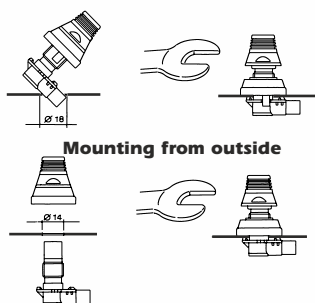


SKB, SKA MAG series MICROMAG LTE

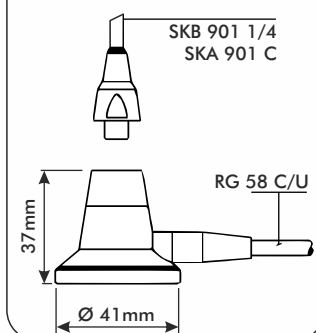
Features:

- # MICROMAG LTE: Magnetic antenna, Omnidirectional, Multi-band
- SKA/SKB 900 series: Hole or Magnetic, Omnidirectional, Mono-band
- # Ultra strenght neodinium magnet, No tuning required
- # MICROMAG LTE: for 2G-GSM, 3G-UMTS, 4G-LTE, ISM/LoRa, W-Lan etc
- # SKA/SKB 900 series: for AMPS,ISM/LoRa,GSM 900 or GSM 900 systems

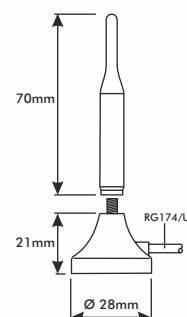
Base mounting



Dimensions



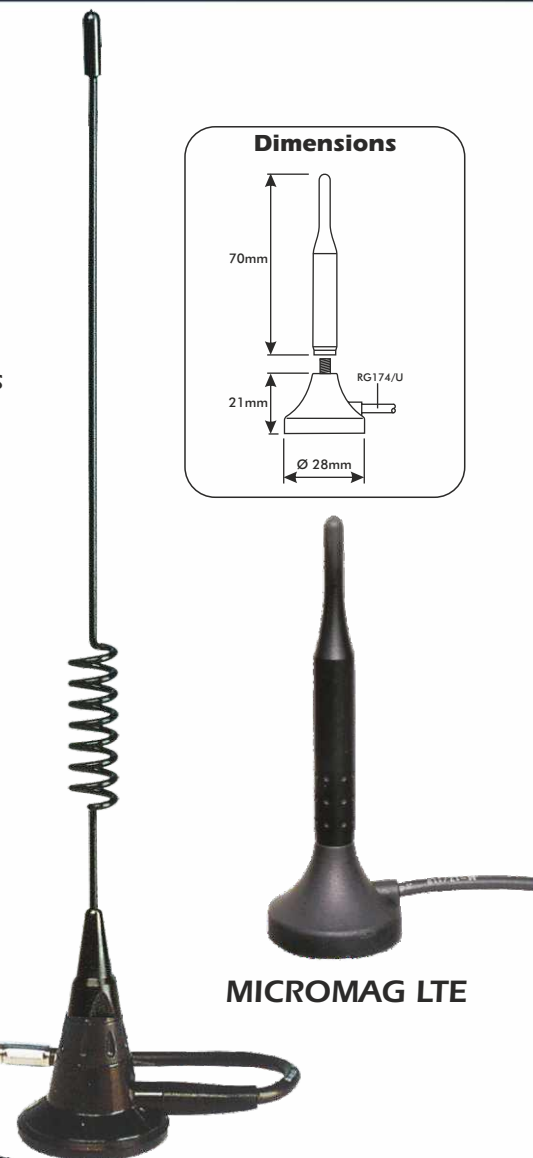
Dimensions



SKB 901 1/4


SKA 868 C
SKA 901 C


SKB 901 1/4 MAG


SKA 868 C MAG
SKA 901 C MAG

MICROMAG LTE

Electrical Data	SKB 901 1/4	SKA 868 C	SKA 901 C	SKB 901 1/4 MAG	SKA 868 C MAG	SKA 901 C MAG	MICROMAG LTE
Type	1/4 λ	1/4 λ + 5/8 λ Colinear	1/4 λ + 5/8 λ Colinear	1/4 λ	1/4 λ + 5/8 λ Colinear	1/4 λ + 5/8 λ Colinear	1/4 λ both band
Frequency Range	824 - 960 MHz @ SWR $\leq$ 1.8 (AMPS, ISM, GSM 900)	868 - 870 MHz @ SWR $\leq$ 1.5 (ISM, SIGFOX, LoRa)	880 - 960 MHz @ SWR $\leq$ 2.2 (GSM 900)	824 - 960 MHz @ SWR $\leq$ 1.8 (AMPS, ISM, GSM 900)	868 - 870 MHz @ SWR $\leq$ 1.5 (ISM, SIGFOX, LoRa)	880 - 960 MHz @ SWR $\leq$ 2.2 (GSM 900)	698-960&1710-2700 MHz @ SWR $\leq$ 2.0 (2G, 3G-UMTS, 4G-LTE, Wi-Fi, W-Lan etc)
Impedance	50 Ω						
Radiation (H-plane)	360° omnidirectional						
Polarization	Linear Vertical						
Gain	0 dB ref. to $\lambda/4$ whip	3.5 dB ref.to $\lambda/4$ whip	3.5 dB ref.to $\lambda/4$ whip	0 dB ref. to $\lambda/4$ whip	3.5 dB ref.to $\lambda/4$ whip	3.5 dB ref.to $\lambda/4$ whip	0 dB ref. to $\lambda/4$ whip
Max Power (CW) @ 30° C	30 Watts	30 Watts	30 Watts	30 Watts	30 Watts	30 Watts	20 Watts
Cable Type / Length	RG58 C/U / 5m;16.4ft	RG58 C/U / 5m;16.4ft	RG58 C/U / 5m;16.4ft	RG 58 C/U / 3m;10ft	RG 58 C/U / 3m;10ft	RG 58 C/U / 3m;10ft	RG 174/U / 3m;10ft
Connector	FME-female, other on request						
Mechanical Data							
Materials	Stainless Steel 17/7 PH, Chromed Brass, Nylon	Chromed Brass, Black Chromed Stainless Steel	Chromed Brass, Black Chromed Stainless Steel	Stainless Steel 17/7 PH, Chromed Brass, Nylon	Chromed Brass, Black Chromed Stainless Steel	Chromed Brass, Black Chromed Stainless Steel	Nylon, Chromed Brass, Stainless Steel
Height (approx.)	90 mm, 3.5 in	300 mm, 13 in	320 mm, 12.6 in	68 mm, 2.7 in	305 mm, 12 in	295 mm, 11.6 in	90 mm, 3.5 in
Weight (approx.)	260 gr, 0.57 lb	280 gr, 0.6 lb	280 gr, 0.6 lb	250 gr, 0.55 lb	280 gr, 0.6 lb	280 gr, 0.6 lb	80 gr, 0.2 lb
Mounting	"ML" mount / hole $\varnothing$ 14, 0.55in or 18 mm, 0.7 in			Magnetic, with ultra strength Neodinium magnet			
P/N	2208806.26	2208906.26/868	2208906.26	2208806.75	2208906.75/868	2208906.75	2217106/3FME

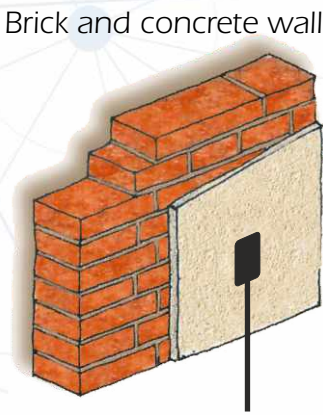
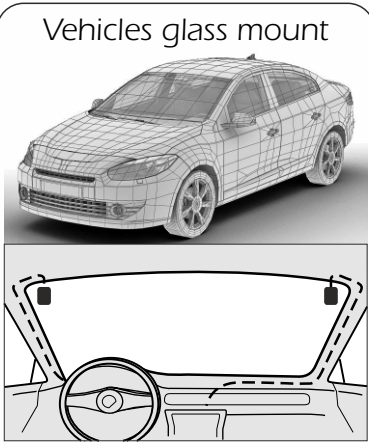
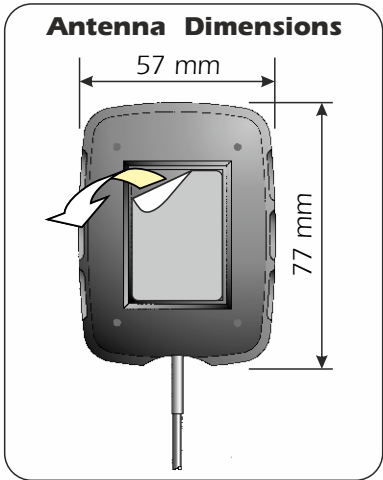
INGLASS series

Features:

- # In-doors antennas, Omnidirectional, Multi-band, Unity gain
- # No tuning required
- # Adhesive on not metallic surface mount, flat profile
- # INGLASS MULTIBAND: for ISM, GSM 900/1800, UMTS systems
- INGLASS LTE & WLAN: for LTE, GSM dual, UMTS, WLAN 2.4 &5GHz (IEEE 802.11b/g/h/p) V2X system



Adhesive installation Multi-band

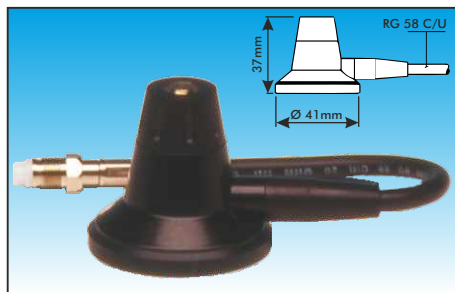


Electrical Data	INGLASS MULTIBAND	IN-GLASS LTE & WLAN
Type	1/2 λ dipole	
Frequency Range	868 - 960 MHz @ SWR $\leq$ 2.0 & 1.71 - 2.17 GHz @ SWR $\leq$ 2.0 (ISM 868, ISM 915, GSM dual, UMTS)	800 - 810 MHz @ SWR $\leq$ 2.6 & 810 - 960 MHz @ SWR $\leq$ 2.0 & 1.71 - 5.925 GHz @ SWR $\leq$ 2.2 (LTE, GSM dual, UMTS, WiMAX, WiFi IEEE 802.11b/g/h/p, V2X system)
Impedance	50 Ω	
Radiation (H-plane)	360° omnidirectional	
Polarization	Linear Vertical	
Gain	0 dBd, 2.15 dBi all bands	
Max Power (CW) @ 30° C	10 Watts	10 Watts from 800 to 2700 MHz 6 Watts from 2.7 to 3.8 GHz 5 Watt from 3.8 to 5.925 GHz
Cable Type / Length	RG 174 / 3 m, 10 ft	
Connector	FME-female or SMA-male	SMA-male
Mechanical Data		
Materials	PCB, Thermoplastic	
Dimensions (approx.)	57 x 77 x 10 mm, 2.2 x 3 x 0.4 in	
Weight (approx.)	70 gr, 0.15 lb	
Mounting	Adhesive tape, suitable for «not metallic» surfaces	
P/N SMA-m connector	2215902/3SMA	2216802/3SMA
P/N FME-f connector	2215902/3FME	/



Base "ML" w/cable/FME-f

Frequency range: from DC to 1000 MHz
 Overall Size: $\varnothing$ 30 mm, 1.2 in
 Mounting Hole: $\varnothing$ 14mm, 0.55in or 18mm, 0.7 in
 Material: Chromed Brass, Nylon, Siliconic Rubber
 Cable Type / Length / Connector: RG 58 C/U / 5m, 16.4 ft / FME-female
 ML mount w/cable 2509305.00



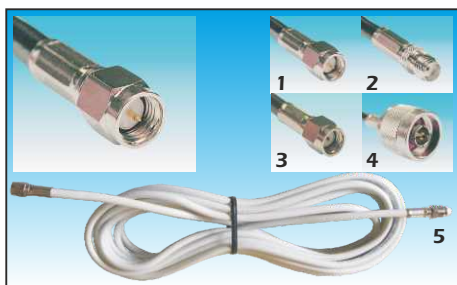
"CELL MAG" Magnetic Mount

Frequency range: from DC to 1000 MHz
 Overall Size: $\varnothing$ 41 mm, 1.6 in
 Mounting: Magnetic with ultra strenght neodinium magnet
 Material: Chromed Brass, Nylon, Siliconic Rubber
 Cable Type / Length / Connector: RG 58 C/U / 3m, 10ft / FME-female
 CELLMAG magnetic mount 2510202.06



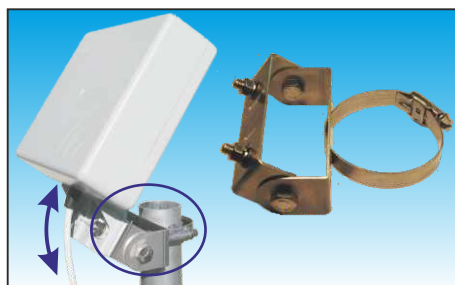
Extension cable w/2x FME-f

Cable Type / Connectors: RG 58 / 2 x FME-female
 0.5 m, 1.6 ft RG 58 Cable 2 x FME-f 2510305.00
 1.5 m, 4.9 ft RG 58 Cable 2 x FME-f 2510405.00
 3.5 m, 11.5 ft RG 58 Cable 2 x FME-f 2510505.00
 4.0 m, 13.1 ft RG 58 Cable 2 x FME-f 2510705.00
 5.0 m, 16.4 ft RG 58 Cable 2 x FME-f 2510605.00



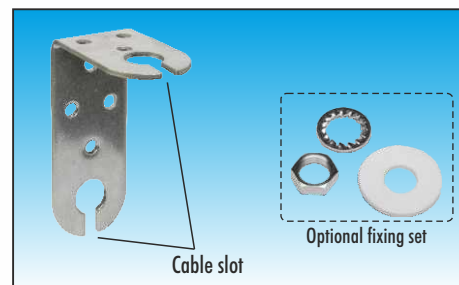
Extension cable w SMA-male /

Cable Length / Type: 5m, 16.4 ft / Low Loss
 1 SMA-male / SMA-male 2550906/500
 2 SMA-male / SMA-female 2550106/500
 3 SMA-male / SMA-male Reverse Polarity 2550506/500
 4 SMA-male / N-male 2550706/500
 5 SMA-male / FME-female 2550206/500
 Other lengths or connectors: on request, minimum quantity order 100pcs.



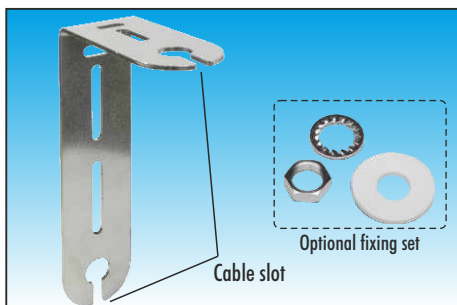
"TB-1" Tilting Bracket for SMP series

Material: Stainless Steel.
 Installation: mast $\varnothing$ 35-50 mm, 1.4-2 in with clamp included
 wall with mounting screws (not included)
 TB-1 tilting bracket 2519703.00



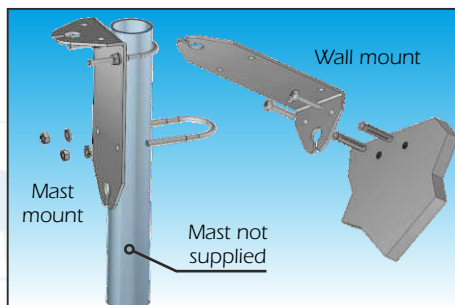
"M-1" Marine Brackets

Dimension: 38 x 64 x 98 mm, 1.5 x 2.5 x 3.8 in
 Material: Stainless Steel.
 Mounting Hole: 2 x $\varnothing$ 16 mm, 0.63 in
 M-1 Marine Bracket 2503503.00
 M-1 With Optional fixing set 2503503.00/SA



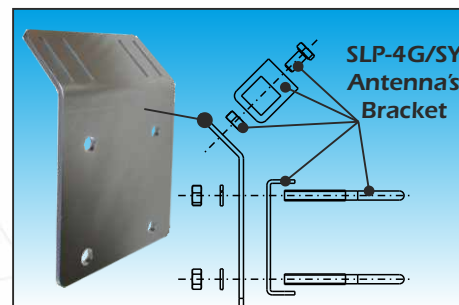
"M-2" Marine Brackets

Dimension: 5 x 100 x 180 mm, 1.5 x 3.9 x 7 in
 Material: Stainless Steel.
 Mounting Hole: 2 x $\varnothing$ 16 mm, 0.63 in
 M-2 Marine Bracket 2503203.00
 M-2 With Optional fixing set 2503503.00/SA



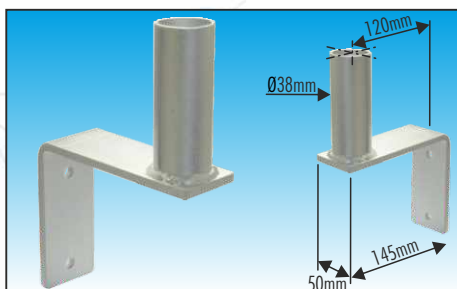
"M-3" Fixing Bracket

Dimension: 60 x 70 x 195 mm, 2.4 x 2.75 x 7.7 in
 Material: Zinc Plated Steel. Antenna fitting: 2 x $\varnothing$ 16 mm, 0.63 in
 Mounting on Mast: $\varnothing$ 35-42 mm, $\varnothing$ 1.4-1.65 in with U-bolt
 Mounting on Wall: with screws (not included)
 M-3 Bracket 2503604.00



"M-4" 45° bracket for "SLP-4G" & "SY"

Dimension: 80 x 111 mm, 3.1 x 4.4 in Material: Zinc Plated Steel.
 Mounting: need the bracket supplied with the antennas
 M-4 45° Bracket 2503704.00



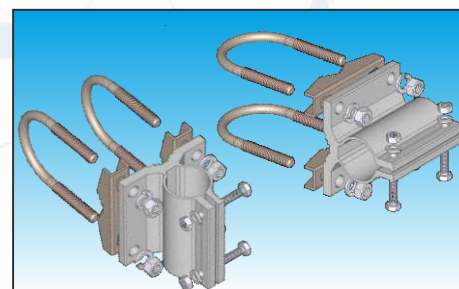
"FT-4" Fixing Bracket

Top Size for antenna fitting: $\varnothing$ 38 x 100 mm, $\varnothing$ 1.5 x 3.9 in
 Dimension L x W x H (approx.): 50 x 145 x 220 mm, 2 x 5.7 x 8.7 in
 Bottom Size: 2 x $\varnothing$ 9 mm, 0.35 in wall fitting (screws not included).
 Weight (approx.): 780gr, 1.7 lb. Material: Galvanized Steel.
 FT-4 2513404.00



"FT-5" 2x Fixing brackets. For "SPO series"

Up-graded: max mast diameter up to 60 mm; 2.4 in
 Material: Extruded Aluminium, Hardware: Stainless Steel.
 Installation: mast $\varnothing$ 35-60 mm, 1.4-2.4 in with clamp included
 Dimensions: (each) 85x65x25mm, 3.3x2.6x1 in. Weight 220 gr, 0.5 lb
 FT-5 brackets 251913.00



"FT-6" Fixing bracket for "WY series"

Up-graded: max mast diameter up to 60 mm; 2.4 in
 Material: Extruded Aluminium, Hardware: Stainless Steel.
 Installation: mast $\varnothing$ 35-60 mm, 1.4-2.4 in with clamp included
 Dimensions: 80x76x65mm, 3.5x3.3x2.5 in. Weight 550 gr, 1.2 lb
 FT-6 bracket 2519913.00



SMA-male

Frequency: from DC to 9 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss ... 30.SMA001.00
Crimp type for RG 174, RG 316 30.SMA002.00



SMA-female

Frequency: from DC to 9 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss ... 30.SMA003.00
Crimp type for RG 174, RG 316 30.SMA004.00



SMA-male Reverse Polarity

Frequency: from DC to 9 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss ... 30.SMA005.00
Crimp type for RG 174, RG 316 30.SMA006.00



SMA-female Panel

Frequency: from DC to 9 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss ... 30.SMA008.00
Crimp type for RG 174, RG 316 30.SMA007.00



FME-male

Materials: Nickel plated brass, PTFE insulator, Gold plated central pin.
Crimp type for RG 58, Low Loss ... 30.FME001.00
Crimp type for RG 174, RG 316 30.FME005.00



FME-female

Materials: Nickel plated brass, Delrin insulator, Gold plated central pin.
Crimp type for RG 58, Low Loss ... 30.FME002.00
Crimp type for RG 174, RG 316 30.FME003.00



N-male

Frequency: from DC to 6 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss 30.N001.00
Crimp type for RG 8, RG 213 30.N008.00
Clamp type for RG 8, RG 213 30.N003.00
Crimp type for H155 30.N005.00



N-female

Frequency: from DC to 6 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss 30.N002.00
Clamp type for RG 58, Low Loss 30.N009.00
Clamp type for RG 8, RG 213 30.N004.00
Crimp type for H155 30.N006.00



BNC-male

Frequency: from DC to 4 GHz. Materials: Nickel plated brass, Delrin insulator, Gold plated pin.
Crimp type for RG 58, Low Loss ... 30.BNC001.00



BNC-female

Frequency: from DC to 4 GHz. Materials: Nickel plated brass, Delrin insulator, Gold plated pin.
Crimp type for RG 58, Low Loss ... 30.BNC002.00



TNC-male

Frequency: from DC to 4 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss 30.TNC001.00



TNC-male Reverse Polarity

Frequency: from DC to 4 GHz. Materials: Nickel plated brass, PTFE insulator, Gold plated pin.
Crimp type for RG 58, Low Loss 30.TNC002.00

COAXIAL CABLES Data

Attenuation dB for 100 m

Freq. Cable	Impedance	Colour	External diameter	25 MHz	50 MHz	100 MHz	200 MHz	300 MHz	400 MHz	500 MHz	800 MHz	1 GHz	1.6 GHz	1.8 GHz	2.0 GHz	2.2 GHz	2.4 GHz	2.5 GHz	3.0 GHz
RG 58 C/U	50 W	Black	4.95 mm, 0.2 in	7	10	15	21	26	30	34	44	50	66	70	76	78	86	87	98
LOW LOSS	50 W	White	4.95 mm, 0.2 in	5	7	10	14	17	20	23	29	33	42	45	48	50	53	54	60
RG 174	50 W	Black	2.8 mm, 0.11 in	13	18	27	39	48	56	64	84	95	124	133	141	150	159	162	184
RG 316/U	50 W	Brown	2.5 mm, 0.1 in	12	17	26	38	47	55	62	80	91	118	126	134	141	149	152	169

Coaxial ADAPTORS table

		Side A										
		BNC-f	BNC-m	FME-m	mini UHF-m	N-f	N-m	SMA-f	SMA-m	TNC-m	UHF-f	UHF-m
Side B	BNC-f	30.AD027.00					30.AD033.00	30.AD013.00	30.AD018.00			30.AD025.00
	BNC-m		30.AD028.00	30.AD005.00		30.AD035.00		30.AD014.00	30.AD019.00		30.AD022.00	
	FME-m		30.AD005.00		30.AD004.00		30.AD006.00			30.AD003.00		30.AD002.00
	mini UHF-m			30.AD004.00								
	N-f		30.AD035.00			30.AD008.00		30.AD015.00			30.AD026.00	30.AD023.00
	N-m	30.AD033.00		30.AD006.00			30.AD031.00	30.AD016.00	30.AD020.00		30.AD012.00	
	SMA-f	30.AD013.00	30.AD014.00			30.AD015.00	30.AD016.00	30.AD009.00			30.AD017.00	
	SMA-m	30.AD018.00	30.AD019.00				30.AD020.00		30.AD010.00		30.AD021.00	
	TNC-m			30.AD003.00								
	UHF-f		30.AD022.00			30.AD026.00	30.AD012.00	30.AD017.00	30.AD021.00		30.AD011.00	
	UHF-m	30.AD025.00		30.AD002.00		30.AD023.00						



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SIRIO
antenne

Via Liguria, 15
46049 Volta Mantovana (MN) - ITALY

Tel: +39.0376.801515
Fax: +39.0376.801254

www.sirioantenne.it / info@sirioantenne.it