

Wideband Base Station and Marine Antenna for the 690 - 4200 MHz Band

DESCRIPTION

- Wideband future proof base station antenna cover all 3G, 4G LTE and 5G frequencies. Also provides full band coverage for Band 8 and CBRS.
- Simple mounting using the 1" revolving nut system.
- Wide variety of accessory mounting brackets available.
- Large bandwidth with respect to both VSWR and gain.
- Highly suitable for duplex operation with large spacing between the Tx and the Rx frequencies for 4G or Private networks like Band 8 and CBRS.
- The antenna element is sealed in a high-quality, glass fibre tube.
- The CXL 690-4200 is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



SPECIFICATIONS

Electrical			
Model	CXL 690-4200		
Frequency	698 - 960 MHz	1760 - 2690 MHz	3300 - 4200 MHz
Max. Input Power	100 W		
Polarisation	Vertical		
3 dB Beamwidth, E-Plane	80° ± 10°		
3 dB Beamwidth, H-Plane	Omnidirectional		
Impedance	50 Ω		
Gain	0 dBi	2 dBi	5 dBi
VSWR	< 2.5:1	< 2:1	< 2.5:1

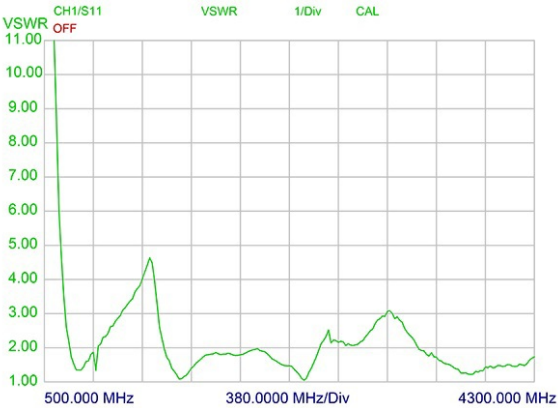
Mechanical	
Connection(s)	N(f)
Materials	Shroud : Polyurethane-coated glass fibre Mounting bracket : Chromed brass
Dimensions	300 x 23 mm / 11.81 x 0.91 in.
Wind Load	7.5 N (160 km/h)
Weight	Approx. 0.45 kg / 0.99 lb.
Mounting	On 1" RG (G1" - 11) threaded water pipe or on optional mounting brackets (see accessories)

Environmental	
Operating Temperature Range	-30 °C to +70 °C
Survival Wind Speed	200 km/h
Ingress Protection	IP66

ORDERING

Model	Product No.	Frequency
CXL 690-4200	Contact for availability	690 - 4200 MHz

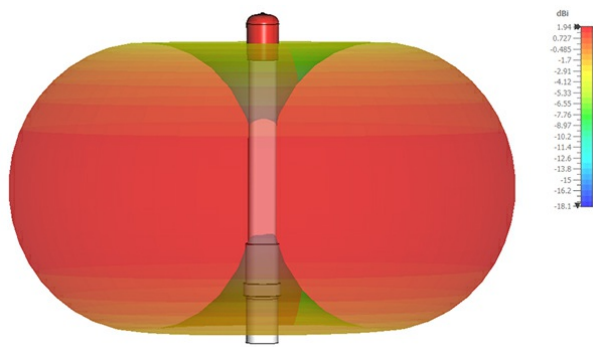
TYPICAL VSWR CURVE



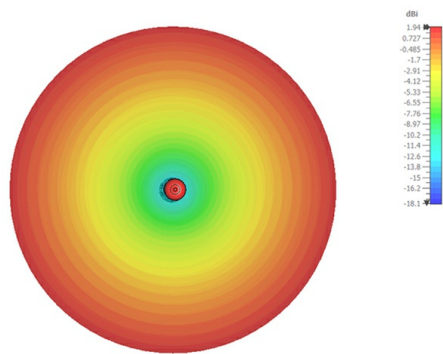
ACCESSORIES (TO BE ORDERED SEPARATELY)

FLG G1"-11 (1" RG)	SMR 1 G1"-11 (1" RG)	SMR 2 G1"-11 (1" RG)	YA-Bracket ø17
LW-SS-1" G1"-11 (1" RG)	MariFix 1 1"-14 UNS ALSO NEED ADT	MariFix 2 1"-14 UNS ALSO NEED ADT	ADT G1"-11 (1" RG) 1"-14 UNS

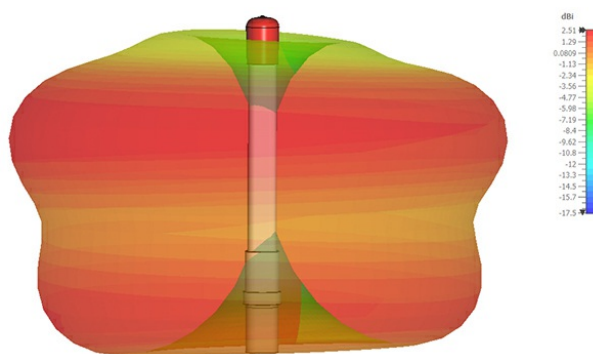
TYPICAL RADITION PATTERN (E-PLANE) FOR 690 MHZ



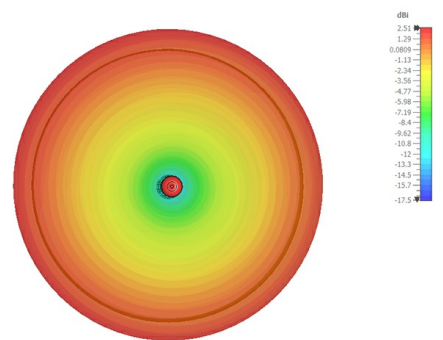
TYPICAL RADITION PATTERN (H-PLANE) FOR 690 MHZ



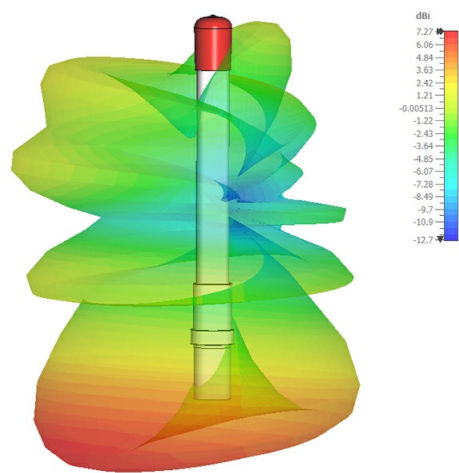
TYPICAL RADITION PATTERN (E-PLANE) FOR 710 MHZ



TYPICAL RADITION PATTERN (H-PLANE) FOR 710 MHZ



TYPICAL RADITION PATTERN (E-PLANE) FOR 3300 MHZ



TYPICAL RADITION PATTERN (H-PLANE) FOR 3300 MHZ

