

Wideband log periodic 690 - 2700MHz

DESCRIPTION

A shrouded directional log-periodic antenna for tunnel coverage and links in 2G/3G/4G cellular bands. All elements are enclosed in a weather resistant, glassfibre shroud to provide consistent, reliable performance in all weather conditions.

- Former Jaybeam brand product.

ORDERING

Type	Product No.	Frequency
Wideband log periodic 690 - 2700MHz	7478000	690 - 2700 MHz
Cast aluminium cross clamp, square	0300284/00	
M8 x 50mm (2") U-Bolts (1 Pair)	4884036/00	
M8 x 75mm (3") U-Bolts (1 Pair)	4884076/00	
M8 x 100mm (4") U-Bolts (1 Pair)	4884035/00	
M10 x 125mm (5") U-Bolts (1 Pair)	4884057/00	



SPECIFICATIONS

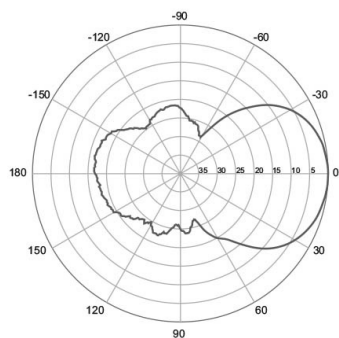
Electrical					
Frequency	690 - 870 MHz	870 - 960 MHz	1700 - 1900 MHz	1900 - 2200 MHz	2500 - 2700 MHz
3 dB Beamwidth, H-Plane	53 °	50 °	48 °	52 °	78 °
Polarisation	Vertical				
3 dB Beamwidth, E-Plane	46 °	45 °	40 °	40 °	38 °
Gain	8.8 dBd	9.8 dBd	9.4 dBd	8.8 dBd	7.3 dBd
VSWR	< 1.5:1				
Maximum Input Power	150 W				
Front-To-Back Ratio	> 25 dB typical				
Passive Intermodulation	-143dBc (3rd Order, 2 x Tx @ 43dBm)				
In iBwave	Yes				

Mechanical	
Input Connection(s)	N(f)
Dimensions	1335 x ø180 mm (52.5 x ø7.0 in)
Wind Load	112 N (160km/h)
Weight	7 kg / 15.43 lb
Mounting Bracket	0300284/00 + U-bolts to match mounting pipe diameter (Ordered Separately)
Mounting Accessories	Wall Mount: 0900911/00 , Front Support XSL9255121 Wall Mount, Rear Support XSL9254928 Tunnel mount kit

Environmental	
Survival Wind Speed	200 km/h

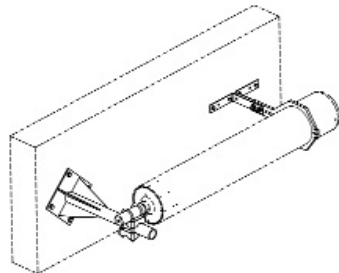
DIAGRAM

RADIATION PATTERNS

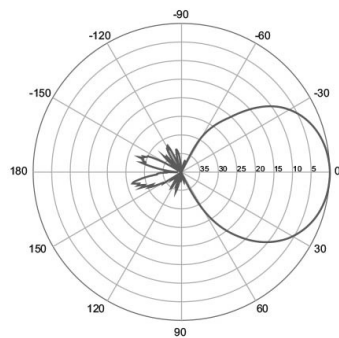


E-Plane | 700 MHz

MOUNTING & DIAGRAMS

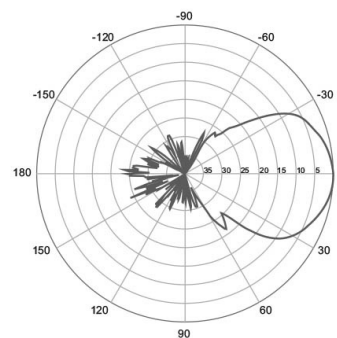
Mounting Accessories - XSL9254928
Tunnel mount kit

RADIATION PATTERNS



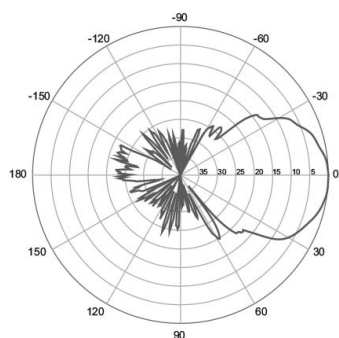
E-Plane | 900 MHz

RADIATION PATTERNS



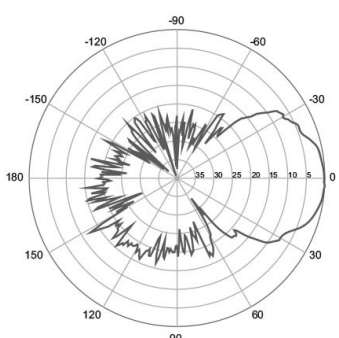
E-Plane | 1800 MHz

RADIATION PATTERNS



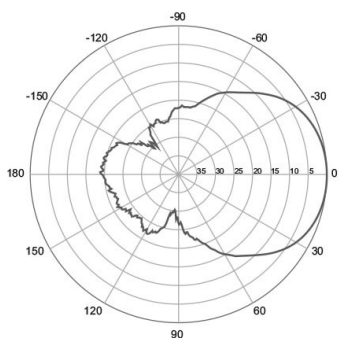
E-Plane | 2100 MHz

RADIATION PATTERNS



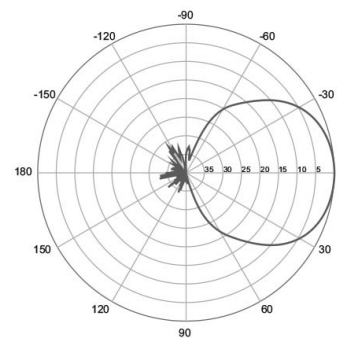
E-Plane | 2700 MHz

RADIATION PATTERNS



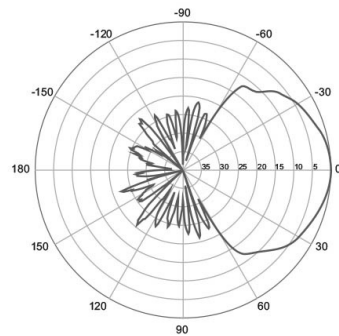
H-Plane | 700 MHz

RADIATION PATTERNS



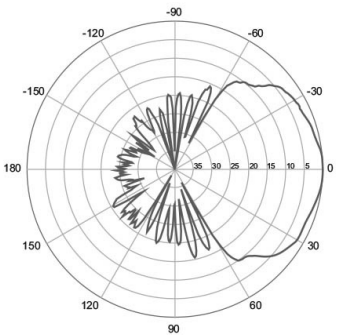
H-Plane | 900 MHz

RADIATION PATTERNS



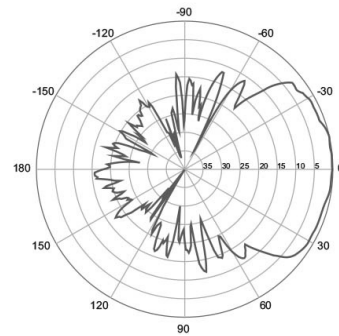
H-Plane | 1800 MHz

RADIATION PATTERNS



H-Plane | 2100 MHz

RADIATION PATTERNS



H-Plane | 2700 MHz