

Wideband omni 1710-2170MHz, 11.8dBi

DESCRIPTION

The W360 Series colinear is designed for demanding applications where a durable and high performance antenna is required. The centre fed dipole design and feed network gives a stable radiation pattern across a wide bandwidth, and allows tilted beam designs to be effectively employed without large pattern distortions. High quality materials and manufacturing techniques are employed to ensure that the antenna has excellent intermodulation performance & wide bandwidth characteristics for multi-channel trunked radio communication systems.

- Former Jaybeam brand product.



ORDERING

Model	Product No.	Description	Frequency
Wideband omni 1710-2170MHz, 11.8dBi	W360-17-0	0° Electrical Tilt	1710 - 2170 MHz
Wideband omni 1710-2170MHz, 11.8dBi	W360-17-2	2° Electrical Tilt	1710 - 2170 MHz
Wideband omni 1710-2170MHz, 11.8dBi	W360-17-5	5° Electrical Tilt	1710 - 2170 MHz
Wideband omni 1710-2170MHz, 11.8dBi	W360-17-6	6° Electrical Tilt	1710 - 2170 MHz
Bracket for W360 Series	XSL51201		

SPECIFICATIONS

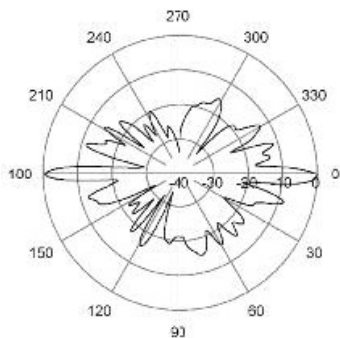
Electrical	
Frequency	1710 - 2170 MHz
Max. Input Power	250 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	5 °
3 dB Beamwidth, H-Plane	Omni ±3dB
Electrical Tilt	0°, 2°, 5°, 6°
Impedance	50 Ω
Gain	9.7 dBi (11.9 dBi)
VSWR	< 1.5:1
Passive Intermodulation	-153dBc (3rd Order, 2 x Tx @ 37dBm)
Lightning Protection	Direct ground: lightning finial at upper end

Mechanical	
Radiating Element(s)	PTFE printed circuit
Connection(s)	7/16 DIN(f)
Mounting Section	Aluminium tube 400 x 80mm
Radome Material / Colour	GRP tube white, 70mm dia.
Dimensions	1768 x 70 mm
Wind Load	180 N (160km/h)
Weight	8 kg / 17.64 lb
Mounting Bracket	XSL51201 - 50-114 mm (Ordered Separately)

Environmental	
Operating Temperature Range	-40 to 60 °C
Survival Wind Speed	200 km/h
Humidity	up to 100% condensing

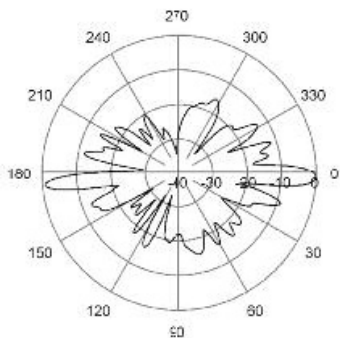
DIAGRAM

RADIATION PATTERNS



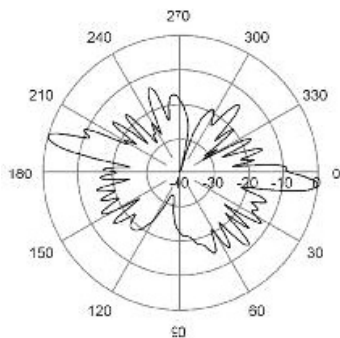
E-Plane | 1800 MHz | 0°

RADIATION PATTERNS



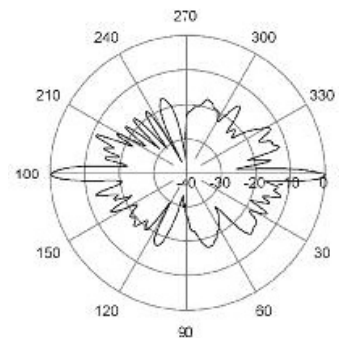
E-Plane | 1800 MHz | 2°

RADIATION PATTERNS



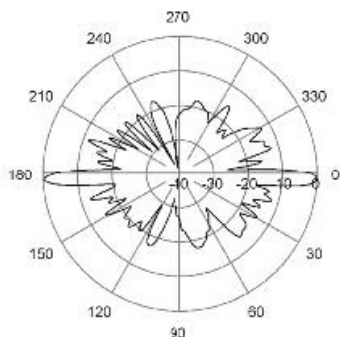
E-Plane | 1800 MHz | 5°

RADIATION PATTERNS



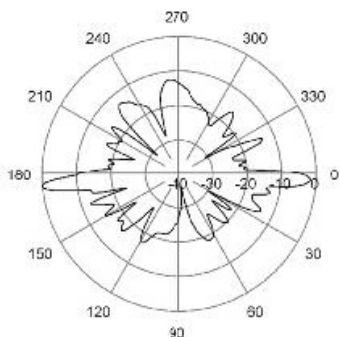
E-Plane | 1900 MHz | 0°

RADIATION PATTERNS



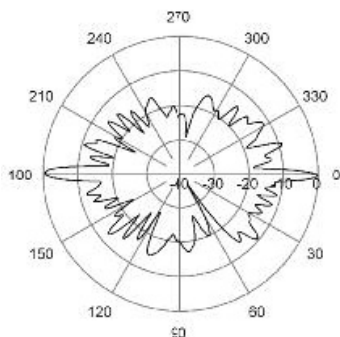
E-Plane | 1900 MHz | 2°

RADIATION PATTERNS



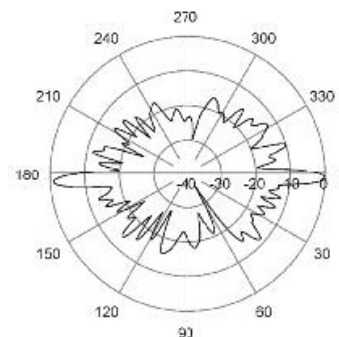
E-Plane | 1900 MHz | 5°

RADIATION PATTERNS



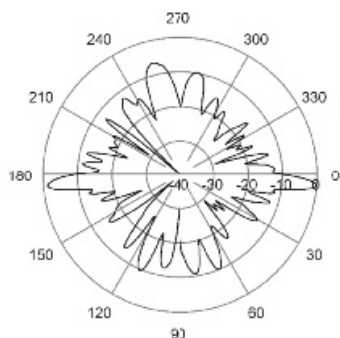
E-Plane | 2100 MHz | 0°

RADIATION PATTERNS



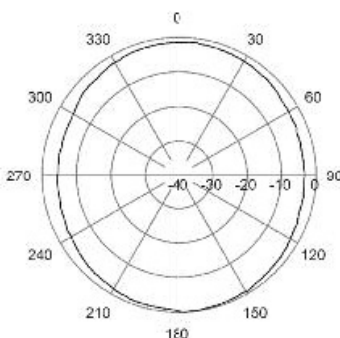
E-Plane | 2100 MHz | 2°

RADIATION PATTERNS



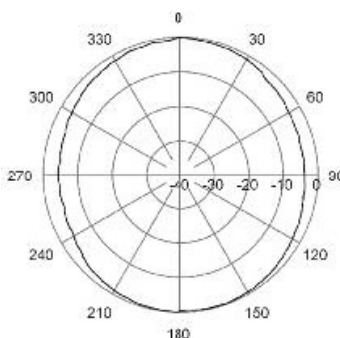
E-Plane | 2100 MHz | 5°

RADIATION PATTERNS



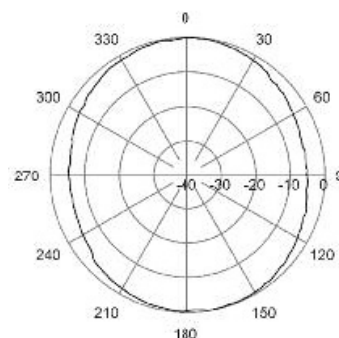
H-Plane | 1800 MHz

RADIATION PATTERNS



H-Plane | 1900 MHz

RADIATION PATTERNS



H-Plane | 2100 MHz