

XtremeWave™ MSP Series Shaped Beam Sector

2.4 GHz ISM Shaped Beam Sector Panel Antenna

The XtremeWave™ MSB2401690 sector panel antenna provides coverage of 2.4 GHz to 2.5 GHz frequencies with a VSWR of less than 1.5:1. Its pattern shaping technology provides optimum signal coverage.

General Specifications:

16 dBi shaped beam sector antenna

Radome Material:

White UV resistant plastic

Termination:

N female bulkhead

Optional 5 ft. jumper terminated with N male

Polarization:

Vertical

Lighting Protection:

DC grounded

High strength aluminum extrusion

Mounting Method:

Adjustable mount

Pipe mount included

Nominal Impedance:

50 Ohms

Feature and Benefits:

- Covers 2.4 to 2.5 GHz frequencies with excellent VSWR performance.
- Engineered high performance design provides a pattern shaping feature that allows installers to contour coverage where needed.
- Outstanding front-to-back ratio ensures that the radiated energy is targeted towards the area of coverage.
- Included adjustable pipe mount permits uptilt or downtilt adjustment of +/-15 degrees for more precise coverage of the geographic area.



This antenna is designed to cover frequencies from 2.4 GHz to 2.5 GHz with a VSWR of less than 1.5:1. Its engineered high performance design provides a pattern shaping feature that allows contoured coverage where needed.



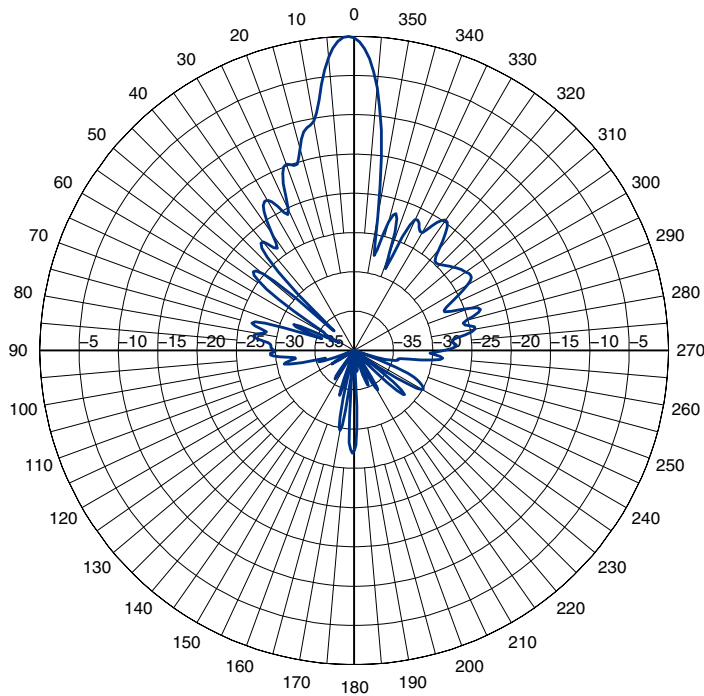
Patterns

Electrical Specifications

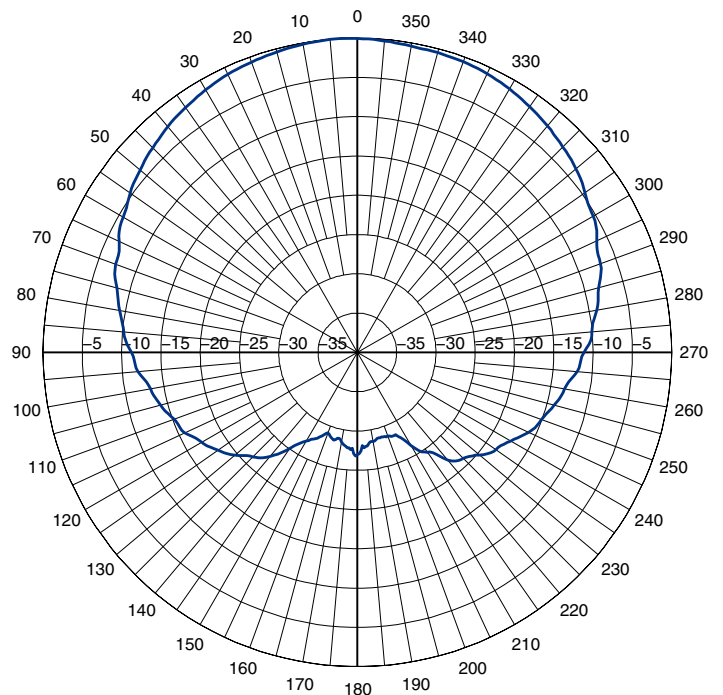
Model #	Frequency Range	Nominal Gain	Front-to-Back Ratio	Horizontal Plane Beamwidth	E-Plane Beamwidth	Typical Cross Poll Discrimination	VSWR	Maximum Power Input
MSB2401690	2400-2500 MHz	16 dBi +/- 0.5	> 28 dB	90°	8°	20 dB	< 1.5:1	30 Watts

Mechanical Specifications

Model #	Rated Wind Velocity	Lateral Thrust at Rated Wind	Equivalent Flat Plate Area	Temperature Range	Dimensions	Weight	Cable
MSB2401690	125 mph	60 lbf	.66 ft ²	-30° C to 75° C	36" L x 4" W x 3" D (914 mm L x 101 mm W x 76 mm D)	6.5 lbs (2.9 Kg)	Optional LMR400 terminated with N plug



MSB2401690 Elevation Cut



MSB2401690 Azimuth Cut