

4x4 MIMO Outdoor Panel Antenna

by WAVEFORM

SKU: ANT660-NF-PANEL-4X4-OD

Main Features:

- Wideband 4x4 Cross-Polarized MIMO Panel Antenna
- 50 Ω
- 3.5-8.5 dBi
- 600-6000 MHz



Specifications:

Electrical:

Frequency Range	600-698 MHz	698-960 MHz	1710-2700 MHz	3300-6000 MHz
Gain (Peak)	4.0 dBi \pm 0.5 dB	5.5 dBi \pm 0.5 dB	8.0 dBi \pm 0.5 dB	6.5 dBi \pm 0.5 dB
Horizontal Beamwidth	94 \pm 14 deg	107.5 \pm 22.5 deg	76.5 \pm 18.5 deg	58.5 \pm 28 deg
Vertical Beamwidth	86.5 \pm 11.5 deg	93 \pm 15 deg	64 \pm 19 deg	67.5 \pm 44 deg
Front-to-Back Ratio	> 6 dB	> 7 dB	> 13 dB	> 10 dB
VSWR	\leq 2.5	\leq 2.0	\leq 2.0	\leq 2.0
Input Impedance	50 Ω			
Polarization	4x4 Cross-Polarized, \pm 45 deg			
Power Rating (Peak)	50 W			

Mechanical:

Type	Directional
Radome Color	White
Radome Material	ABS (UV Stabilized)
Dimensions	385 x 315 x 68 mm (15.2 x 12.4 x 2.7 inch)
Connector Type	N-Female
Cable Type	RG58
Cable Length	30 cm (12 inch)
Net Weight	1.5 kg (3.3 lbs)
Mounting Type	Pole
Mounting Material	Steel

Environmental:

Protection Class	IP65
Rated Wind Velocity	210 km/h
Operating Temperature	-40 to +65 deg C
Lightning Protection	DC Ground



WAVEFORM

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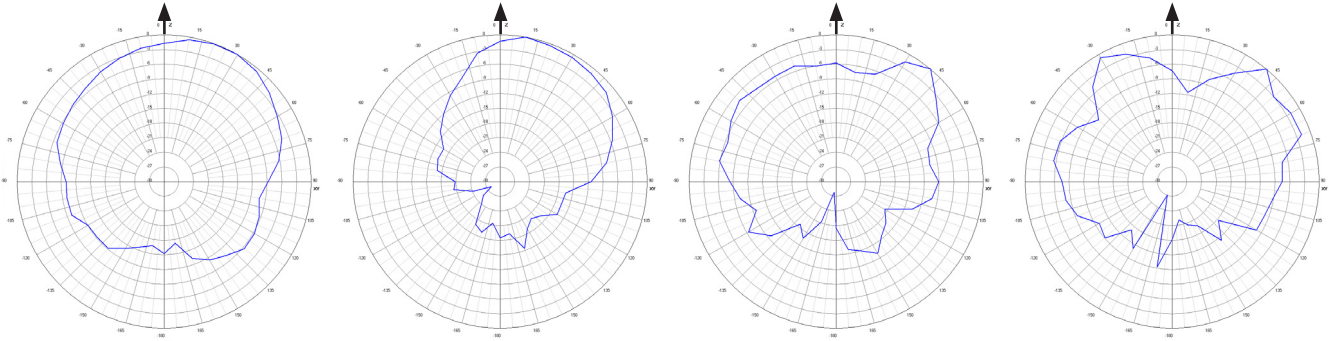
650 MHz

1950 MHz

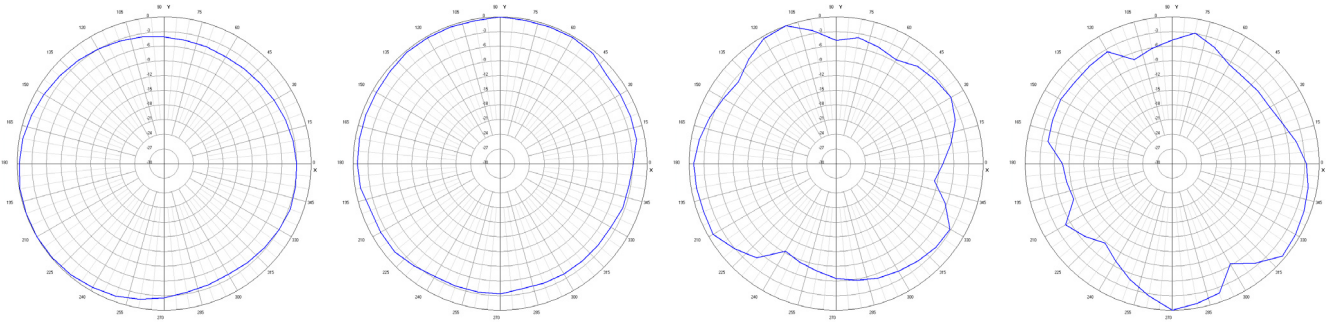
3800 MHz

5400 MHz

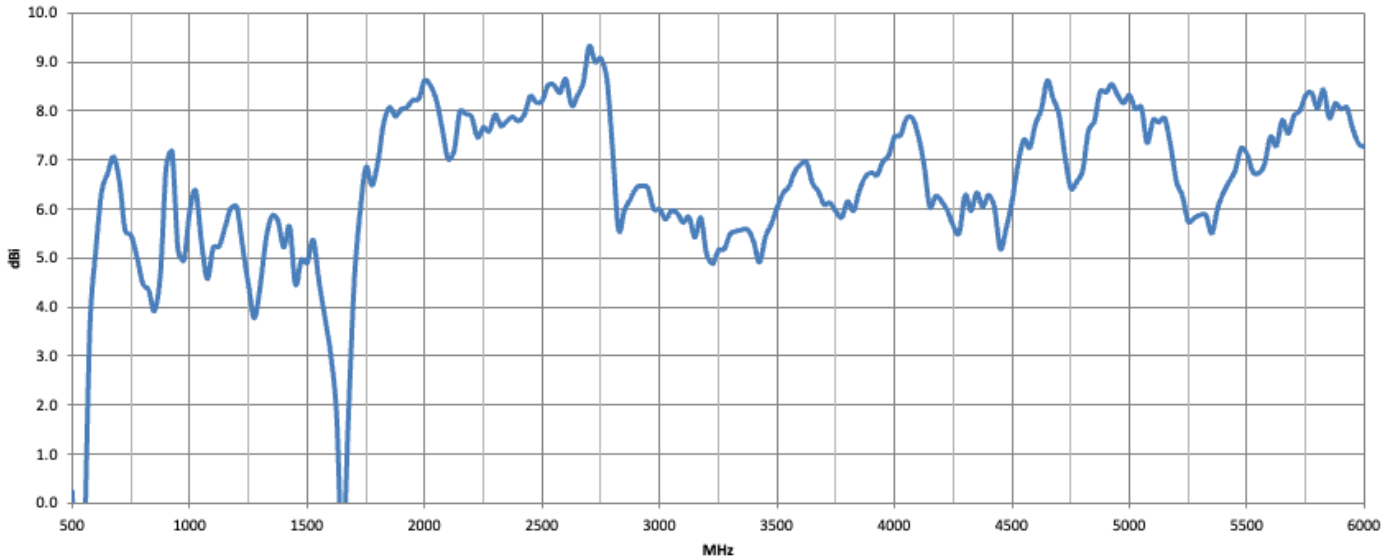
Vertical Plane
"Top-down view"



Horizontal Plane
"Head-on view"



Antenna Broadside Gain (dBi) by Frequency (Mhz)



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