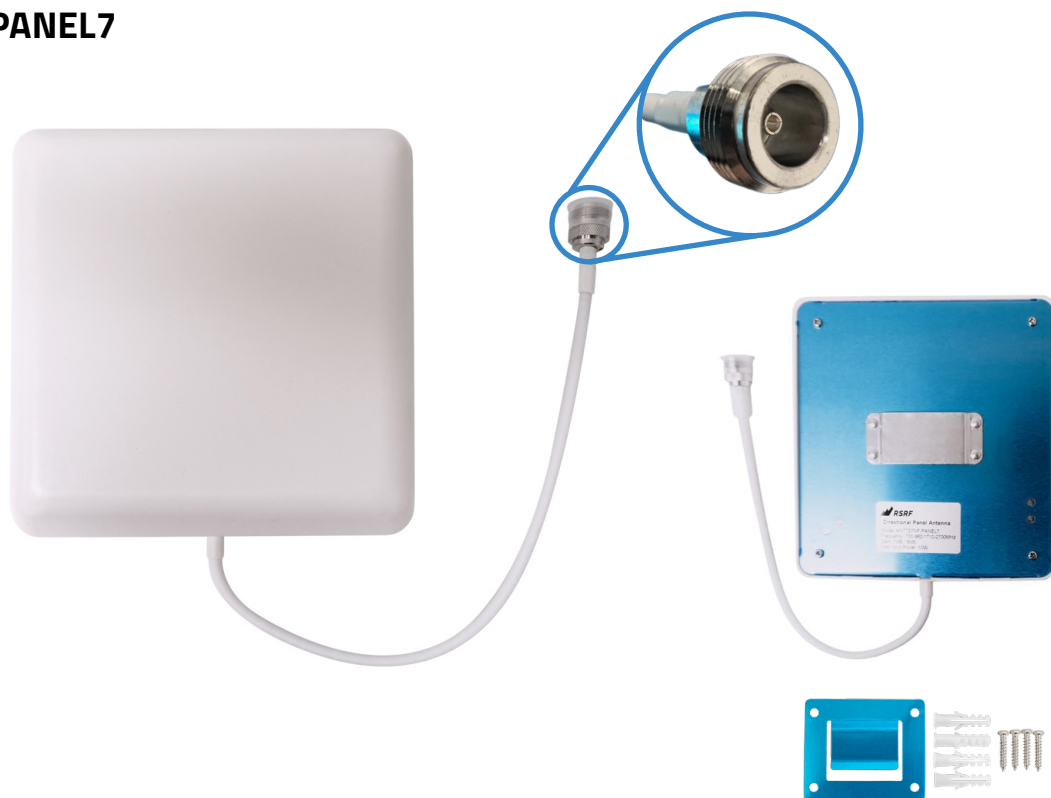


# Panel Antenna

by WAVEFORM

SKU: ANT627NF-PANEL7



## Main Features:

- Panel Antenna
- 50  $\Omega$
- 7-8 dBi
- 600-6000 MHz

## Specifications:

### Electrical:

Frequency Range	600-960 MHz	1710-2700 MHz	2700-6000 MHz
Gain (Peak)	7 dBi $\pm$ 1.0 dB	8 dBi $\pm$ 1.0 dB	7.7 dBi $\pm$ 1.5 dB
Horizontal Beamwidth	90 $\pm$ 15 deg	75 $\pm$ 12 deg	80 $\pm$ 20 deg
Front-to-Back Ratio	$\geq$ 6 dB	$\geq$ 8 dB	$\geq$ 10 dB
VSWR	$\leq$ 1.4		
Input Impedance	50 $\Omega$		
Polarization	Vertical		
PIM (IM3)	$\leq$ -107 dBm @ 33 dBm*2		
Maximum Power	50 W		

### Mechanical:

Type	Directional
Radome Color	White
Radome Material	ABS Plastic
Dimensions	210 x 180 x 44 mm
Connector Type	N-Female
Cable Type	RG58
Cable Length	30 cm (12 in.)
Net Weight	430 g
Mounting Type	Wall Mount
Mounting Material	Steel

### Environmental:

Protection Class	IP52
Relative Humidity	5 to 95 %
Rated Wind Velocity	210 km/h
Operating Temperature	-40 to +70 deg C



WAVEFORM

3411 W. Lake Center Drive,  
Santa Ana, CA 92704

www.waveform.com  
1-800-761-3041

# Panel Antenna

by WAVEFORM

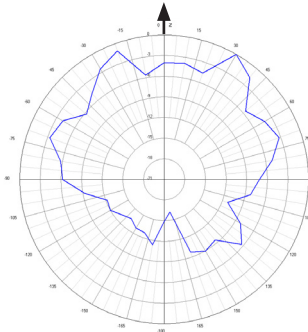
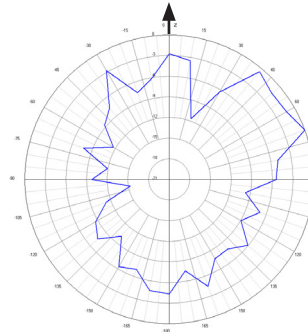
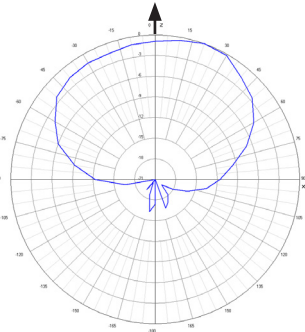
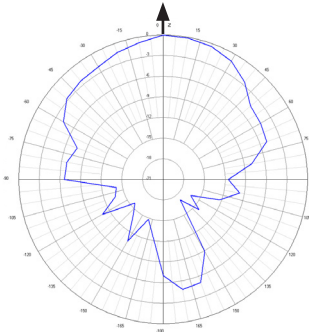
650 MHz

1950 MHz

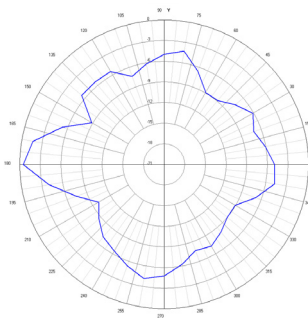
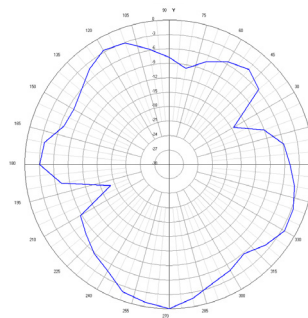
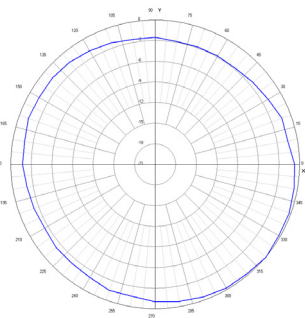
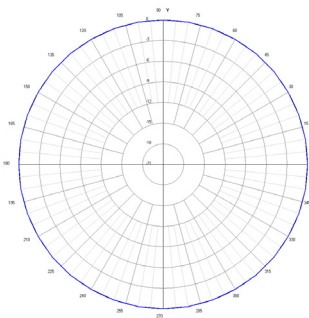
3800 MHz

5400 MHz

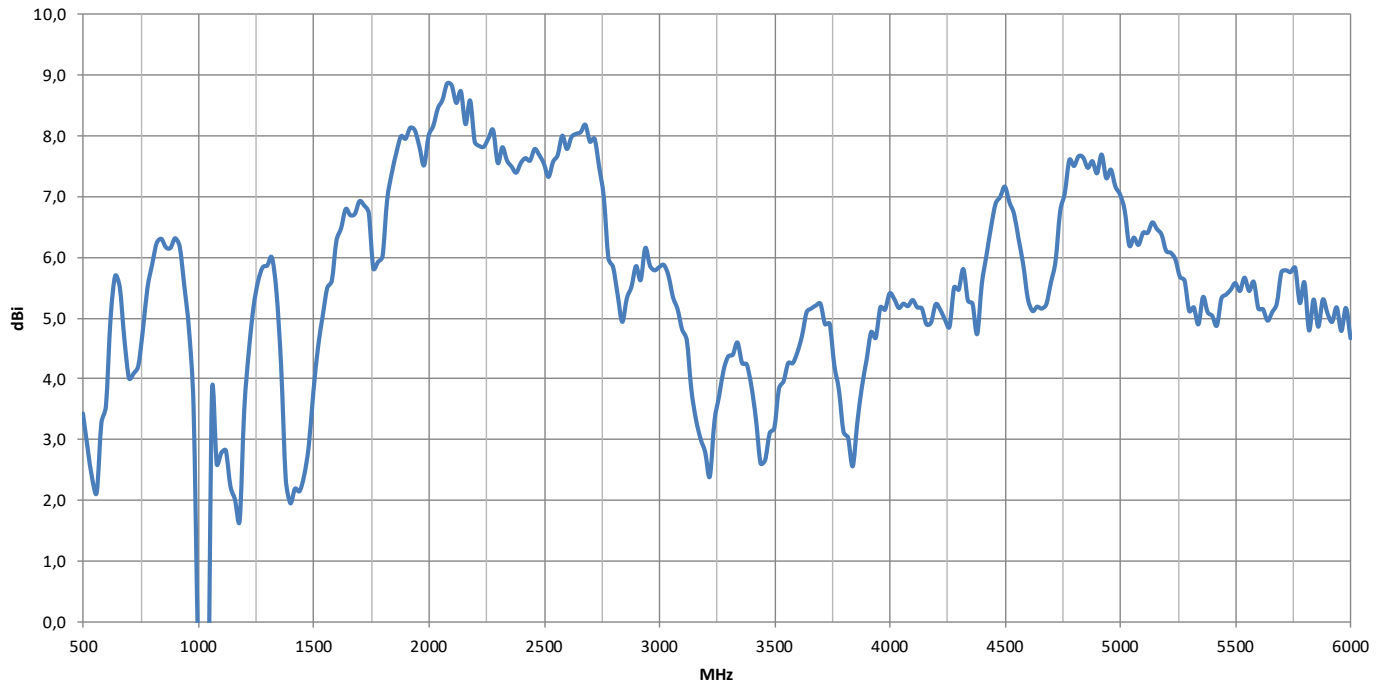
Vertical Plane  
"Top-down view"  
(normalized to peak gain)



Horizontal Plane  
"Head-on view"  
(normalized to peak gain)



## Antenna Broadside Gain (dBi) by Frequency (MHz)



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