Westell® | 380-960 MHz Directional Antenna

Public Safety UHF Panel

General Information

Westell's directional Public Safety panel antenna is designed to operate in the Public Safety bands of UHF, 700, 800, and 900 MHz frequencies while focusing energy in a particular direction. Westell's multiband directional antenna is quality designed with weather resistant radome enclosure.

Product Highlights

- Panel Design
- Weather Resistant Radome
- IP56

Frequency Range

- 380-520 MHz
- · 698-960 MHz

Electrical Specifications

Frequency Range (MHz) 380-520 698-960 Horizontal Beamwidth 130° 80° Vertical Beamwidth 120° 45° Gain, dBi (Typ) 3 5 Polarization Vertical, Linear Impedance 50 Ohm VSWR ≤ 2:1 ≤ 2.5:1 Front to Back Ratio, dB (Typ) 13 8 700 MHz 8 1900 MHz 19 2100 MHz 15 2300 MHz 22 Maximum Input Power 50 Watts Max Lightning Protection Direct Ground	ziocaricar opocimoationo		
Vertical Beamwidth 120° 45° Gain, dBi (Typ) 3 5 Polarization Vertical, Linear Impedance 50 Ohm VSWR ≤ 2:1 ≤ 2.5:1 Front to Back Ratio, dB (Typ) 13 700 MHz 8 8 1900 MHz 19 15 2300 MHz 22 Maximum Input Power 50 Watts Max	Frequency Range (MHz)	380-520	698-960
Gain, dBi (Typ) 3 5 Polarization Vertical, Linear Impedance 50 Ohm VSWR ≤ 2:1 ≤ 2.5:1 Front to Back Ratio, dB (Typ) 13 700 MHz 8 1900 MHz 1900 MHz 19 15 2300 MHz 22 Maximum Input Power 50 Watts Max	Horizontal Beamwidth	130°	80°
Polarization Vertical, Linear Impedance 50 Ohm VSWR ≤ 2:1 ≤ 2.5:1 Front to Back Ratio, dB (Typ) 700 MHz 850 MHz 1900 MHz 2100 MHz 2300 MHz Maximum Input Power 50 Watts Max	Vertical Beamwidth	120°	45°
Impedance 50 Ohm VSWR ≤ 2:1 ≤ 2.5:1 Front to Back Ratio, dB (Typ) 13 700 MHz 8 850 MHz 19 1900 MHz 15 2100 MHz 15 2300 MHz 22 Maximum Input Power 50 Watts Max	Gain, dBi (Typ)	3	5
VSWR ≤ 2:1 ≤ 2.5:1 Front to Back Ratio, dB (Typ) 700 MHz 850 MHz 1900 MHz 1900 MHz 2100 MHz 2300 MHz 2300 MHz 250 Watts Max	Polarization	Vertical, Linear	
Front to Back Ratio, dB (Typ) 700 MHz 850 MHz 1900 MHz 19 2100 MHz 2300 MHz 2300 MHz Maximum Input Power 50 Watts Max	Impedance	50 Ohm	
700 MHz 13 850 MHz 8 1900 MHz 19 2100 MHz 15 2300 MHz 22 Maximum Input Power 50 Watts Max	VSWR	≤ 2:1	≤ 2.5:1
	700 MHz 850 MHz 1900 MHz 2100 MHz	8 19 15	
Lightning Protection Direct Ground	Maximum Input Power	50 Watts Max	
	Lightning Protection	Direct Ground	

Specifications subject to change without notice.

 $\label{prop:prop:prop:prop:prop:state} Please \ check \ www.westell.com \ for \ the \ latest \ specifications.$



Public Safety Panel Mount Directional Antenna

Ordering information

Part Number	Descriptions
CS03-045-380	Public Safety Panel Mount, Indoor/Outdoor
	Directional, 380-960 MHz, N(f)

Mechanical Specifications

Case Material	ABS with UV Stabilized	
Operating Temperature Range	-40° C to +65° C	
Dimensions	12.6 x 7.7 x 2.6 in.	
Weight	1.45 lbs (2.5 lbs with bracket)	
Connectors	N-Female	
Universal bracket included for additional mounting options (U-bolt compatible)		

Additional Product Images:







Mounting Bracket



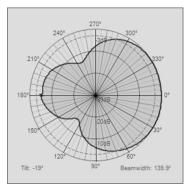
Westell® | 380-960 MHz Directional Antenna

Public Safety UHF Panel



Radiation Patterns

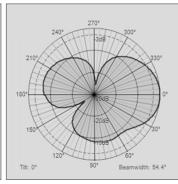
380 MHz



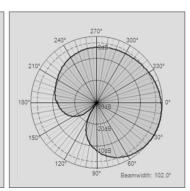
Vertical, 139.9° Beamwidth

Horizontal, 102.7° Beamwidth

580 MHz

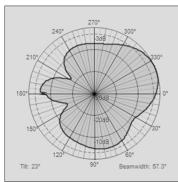


Vertical, 54.4° Beamwidth

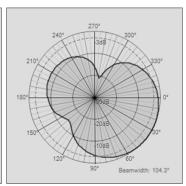


Horizontal, 102° Beamwidth

698 MHz

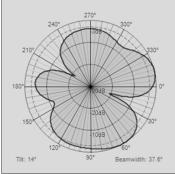


Vertical, 57.3° Beamwidth

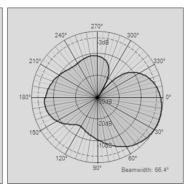


Horizontal, 104.3° Beamwidth

960 MHz



Vertical, 37.6° Beamwidth



Horizontal, 66.4° Beamwidth

