

Westell® | 380-4000 MHz

Public Safety Ceiling Mount Low Profile UHF Omnidirectional Antenna

General Information

Westell's Public Safety omnidirectional coverage antenna supports multiband designs and ensures consistency in coverage from 380 - 4000 MHz.

The low-profile design allows for flexibility with a more natural placement of antennas where esthetics are a factor when deploying for Commercial or Public Safety applications. Also, the Ultra Slim antenna's broad frequency support makes supporting UHF, 700/800 MHz PS, Cellular, AWS, and C-Band frequencies easy.

Product Highlights

- Future proof
- Low cost
- Small footprint
- Slim profile
- Multiband design

Applications

- UHF, CBRS, C-Band, GSM, 3G/UMTS, LTE, 5G
- In-building coverage for commercial, public safety up to C-Band

Electrical Specifications

| | | | | |
|-----------------------------|------------|---------|-----------|-----------|
| Frequency Range (MHz) | 380-520 | 698-960 | 1710-2700 | 3300-4000 |
| Gain (dBi) | 2.0 ± 1 | 2.0 ± 1 | 4.0 ± 1 | 4.5 ± 1 |
| VSWR | ≤2.0 | ≤2.0 | ≤1.8 | ≤1.8 |
| Polarization | Horizontal | | | |
| PIM. 3rd Order, 2x20W (dBc) | N/A | ≤-153 | ≤-153 | N/A |
| Horizontal Beam Width | 360° | | | |
| Vertical Beam Width | 120° | 85° | 76° | 58° |
| Impedance (Ω) | 50 | | | |
| Maximum Input Power (W) | 50 | | | |
| Lighting Protection | DC Ground | | | |

Specifications subject to change without notice.
Please check www.westell.com for the latest specifications.



Public Safety Ceiling Mount, Low Profile, Omnidirectional Antenna

Ordering information

| Part Number | Descriptions |
|--------------|---|
| CS03-043-380 | Public Safety Antenna Ceiling Mount / Low Profile / Omni / 380-4000 MHz (N/F) |

Mechanical Specifications

| | |
|-----------------------------|----------------------|
| Connector | N Female |
| Size (In) | 11 x 0.74 |
| Weight (lb) | 1.21 |
| Radome Material | ABS (UV stabilized) |
| Radome Color | White |
| Operating Temperature (F/C) | -40°~149° / -40°~65° |



Rear View, CS03-043-380

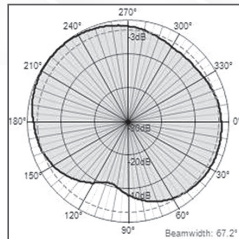
Westell® | 380-4000 MHz

Public Safety Ceiling Mount Low Profile UHF Omnidirectional Antenna

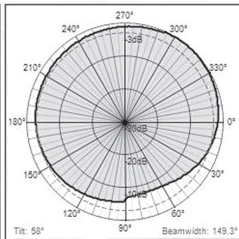


Sample Antenna Patterns*

400 MHz

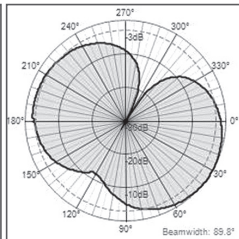


Vertical, 67.2° Beamwidth

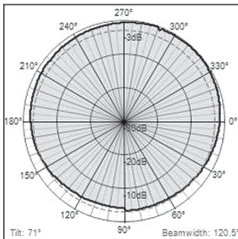


Horizontal, 149.3° Beamwidth

470 MHz

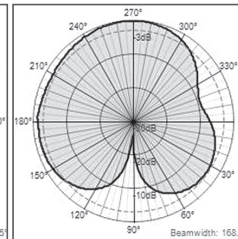


Vertical, 89.8° Beamwidth

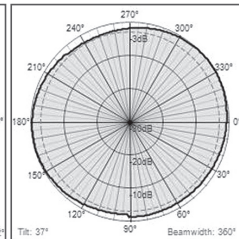


Horizontal, 120.5° Beamwidth

698 MHz

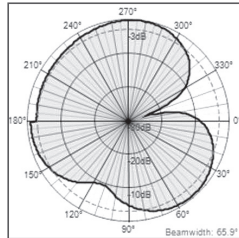


Vertical, 168.2° Beamwidth

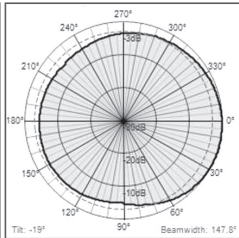


Horizontal, 360° Beamwidth

760 MHz

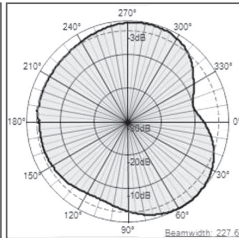


Vertical, 65.9° Beamwidth

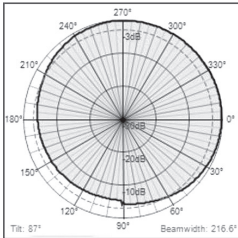


Horizontal, 147.8° Beamwidth

806 MHz

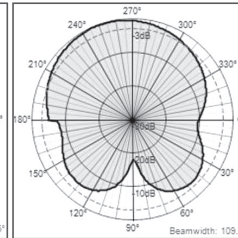


Vertical, 227.6° Beamwidth

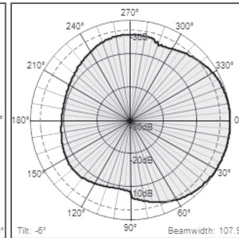


Horizontal, 216.6° Beamwidth

896 MHz

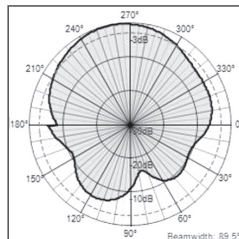


Vertical, 109.3° Beamwidth

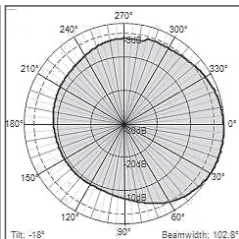


Horizontal, 107.9° Beamwidth

960 MHz

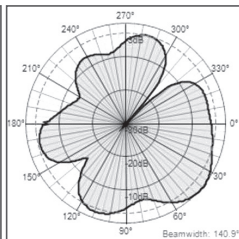


Vertical, 89.5° Beamwidth

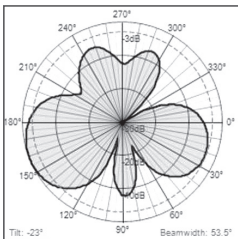


Horizontal, 102.8° Beamwidth

1710 MHz

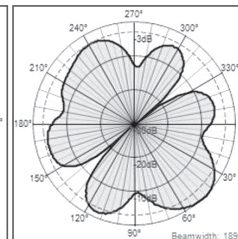


Vertical, 140.9° Beamwidth

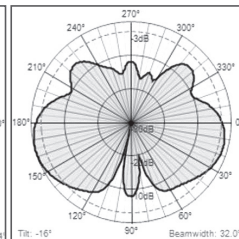


Horizontal, 53.5° Beamwidth

1990 MHz

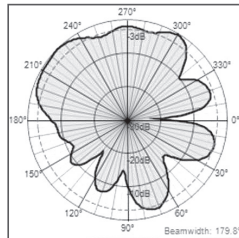


Vertical, 189.4° Beamwidth

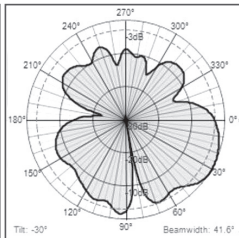


Horizontal, 32° Beamwidth

2500 MHz

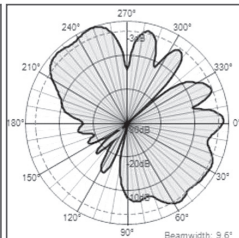


Vertical, 179.8° Beamwidth

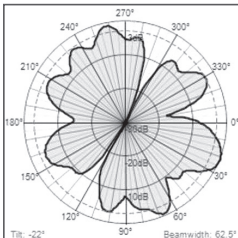


Horizontal, 41.6° Beamwidth

3500 MHz

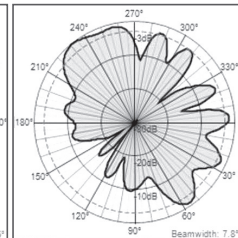


Vertical, 9.6° Beamwidth

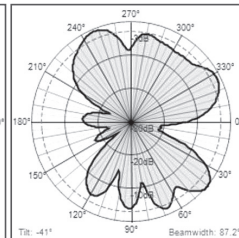


Horizontal, 62.5° Beamwidth

3700 MHz

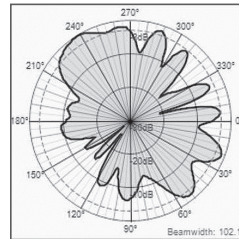


Vertical, 7.8° Beamwidth

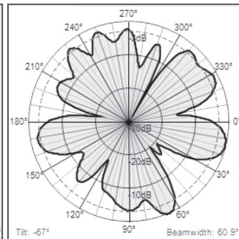


Horizontal, 87.2° Beamwidth

3950 MHz



Vertical, 102.1° Beamwidth



Horizontal, 60.9° Beamwidth

*Additional patterns with enlarged images are available upon request.



WESTELL.COM