

CMAX-DM60-43-V53



Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

Product Classification

| | |
|----------------------|-------------------------------|
| Product Type | Over-the-head stadium antenna |
| Product Brand | Cell-Max™ |

General Specifications

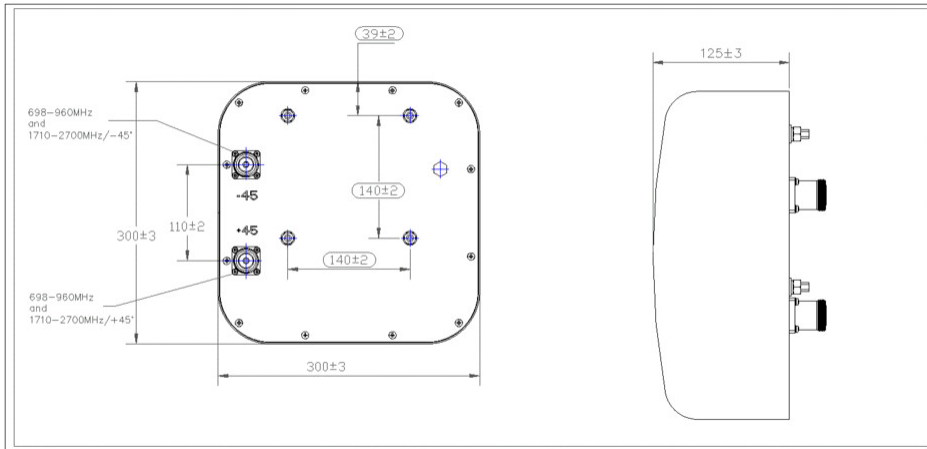
| | |
|-------------------------------------|-------------------|
| Application | Indoor/Outdoor |
| Antenna Type | Directional |
| Antenna Array Characteristic | MIMO 2x2 |
| Polarization | ±45° |
| Color | White (RAL 9016) |
| Number of Ports | 2 |
| Radome Material | ABS, UV resistant |
| RF Connector Interface | 4.3-10 Female |

Dimensions

| | |
|---------------|----------------------|
| Width | 299.7 mm 11.799 in |
| Depth | 124.5 mm 4.902 in |
| Length | 299.7 mm 11.799 in |

CMAX-DM60-43-V53

Outline Drawing



Electrical Specifications

| | |
|-----------------------------|---|
| Impedance | 50 ohm |
| Lightning Protection | dc Ground |
| Electrical Note | Values typical, unless otherwise stated |

Electrical Specifications

| Frequency Band, MHz | 698-800 | 800-960 | 1695-1880 | 1850-1990 | 1920-2180 | 2200-2700 | 2300-2360 |
|--|----------|----------|-----------|-----------|-----------|-----------|-----------|
| Gain, dBi | 8.6 | 9.2 | 9.3 | 9.1 | 9.3 | 9.7 | 9.4 |
| Beamwidth, Horizontal, degrees | 60 | 59 | 55 | 54 | 56 | 59 | 61 |
| Beamwidth, Vertical, degrees | 61 | 58 | 56 | 58 | 58 | 57 | 59 |
| Front-to-Back Total Power at 180° ± 30°, dB | 24 | 26 | 24 | 26 | 28 | 26 | 28 |
| CPR at Boresight, dB | 24 | 24 | 20 | 20 | 20 | 20 | 20 |
| Isolation, Cross Polarization, dB | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| VSWR Return loss, dB | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 | 1.5 14.0 |
| PIM, 3rd Order, 2 x 20 W, dBc | -153 | -153 | -153 | -153 | -153 | -153 | -153 |
| Input Power per Port, maximum, watts | 200 | 200 | 200 | 200 | 200 | 200 | 200 |

Mechanical Specifications

| | |
|---|--|
| Wind Loading @ Velocity, maximum | 294.0 N @ 216 km/h (66.1 lbf @ 216 km/h) |
|---|--|

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Wind Speed, maximum 216 km/h | 134.216 mph

Environmental Specifications

Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)

Relative Humidity Up to 100%

Ingress Protection Test Method IEC 60529:2001, IP65

Vibration Test Method ASTM D4169 | IEC 60068-2-6

Packaging and Weights

Width, packed 350 mm | 13.78 in

Depth, packed 230 mm | 9.055 in

Length, packed 520 mm | 20.472 in

Included Mounting bracket

Packaging quantity 1

Weight, gross 7.3 kg | 16.094 lb

Weight, net 2.9 kg | 6.393 lb

Regulatory Compliance/Certifications

Agency

Classification

CHINA-ROHS

Below maximum concentration value

REACH-SVHC

Compliant as per SVHC revision on www.commscope.com/ProductCompliance

ROHS

Compliant

UK-ROHS

Compliant

