

360°

HPOL

SISO

PUBLIC SAFETY

5086100A

Features

- Wideband omni antenna covering 380-2700 MHz
- Compact, lightweight and easy to install
- Passive Intermodulation < -140 dBc @ 2x20W
- Low return loss with stable performance



This model is available in the iBwave In-Building Network Components Database - www.ibwavecomponents.com

ORDERING OPTIONS Select from the following ordering options

| SELECT | MODEL NUMBER |
|---------------------------------------|---------------|
| Antenna with N-Type Female Connectors | 5086100A |
| Antenna with 4.310 Female Connectors | 5086100A-4310 |

ELECTRICAL SPECIFICATIONS All Bands

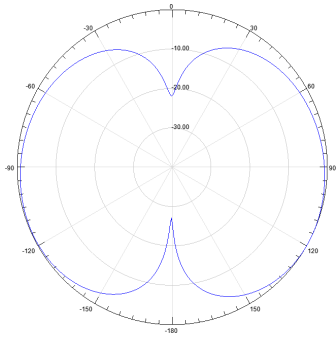
| | | | |
|--|-----------------------|---------------|---------------|
| Frequency Range | 380-2700 MHz | | |
| Frequency Sub-Range | 380-520 MHz | 698-960 MHz | 1710-2700 MHz |
| Polarization | Horizontal | | |
| Gain | 2.0 ± 1.0 dBi | 2.2 ± 1.0 dBi | 4.5 ± 1.0 dBi |
| Horizontal Beamwidth | 360° | 360° | 360° |
| Impedance | 50Ω | | |
| VSWR | ≤ 2.5 | ≤ 2.0 | ≤ 2.0 |
| Passive Intermodulation 3rd Order for 2x20 W Carriers | N/A | ≤ -140 dBc | ≤ -140 dBc |
| Maximum Power | 50W | | |
| Connector Type | 1 Port, N-Type Female | | |

MECHANICAL SPECIFICATIONS

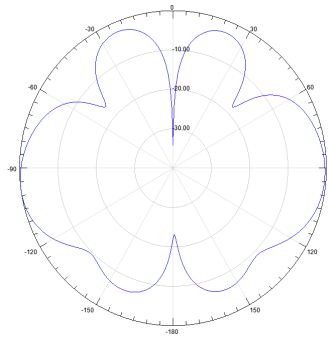
| | | |
|-----------------------|----------|--|
| Antenna | Diameter | Ø266 mm (Ø10.5 in) |
| | Height | 18 mm (0.7 in) |
| Net Weight | | 0.4 kg (0.9 lbs) |
| Operating Temperature | | -55° to +60° C (-67° to +140° F) |
| Operational Humidity | | < 95% |
| Radome Material | | ABS |
| Radome Color | | White, RAL 9003 |
| Mounting Options | | Fasteners included for mounting on ceiling tile and hard surfaces Not suitable for metal ceilings |

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

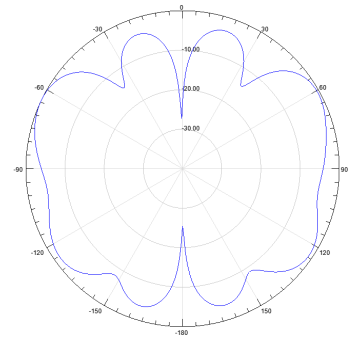
5086100A



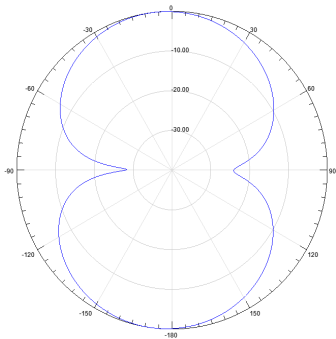
Horizontal, 800 MHz



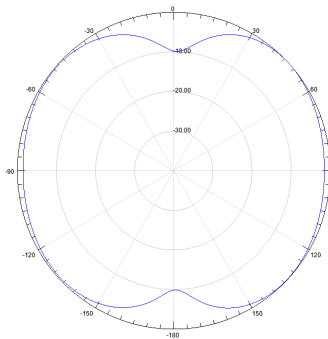
Horizontal, 1710 MHz



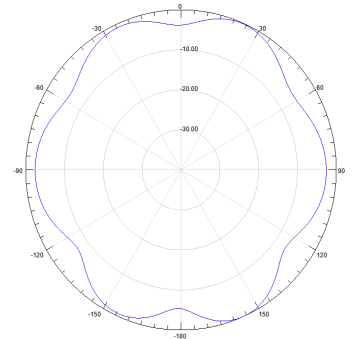
Horizontal, 2500 MHz



Vertical, 800 MHz



Vertical, 1710 MHz



Vertical, 2500 MHz

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