

SENCITY® Rondo 600 MIMO Antenna 1399.31.0007

Description

Indoor DAS omni-directional antenna for In-Building Coverage
617 MHz up to 4200 MHz
AMPS, GSM, PCS, CDMA, UMTS, WiFi, WLAN 2.4, LTE
Antenna ETL tested for Plenum space (UL 2043)
Design Patent DM/088510



Product Configuration

Technical Data

Electrical Data

| | Band 1 | Band 2 | Band 3 | Band 4 |
|--------------------------|-----------|-----------|-----------|-------------|
| Frequency (MHz) | 617 - 698 | 698 - 790 | 790 - 960 | 1695 - 2180 |
| VSWR | 1.8 | 1.9 | 2 | 1.6 |
| Impedance (Ohm) | 50 | 50 | 50 | 50 |
| Gain (dBi) | 2.5 | 3.5 | 4.5 | 5 |
| Composite power max (W) | 50 | | | |
| Ambient temperature (°C) | 55 | | | |
| Port Isolation (dB) | 13 | 15 | 17 | 20 |

| | Band 5 | Band 6 | Band 7 | Band 8 |
|---------------------|-------------|-------------|-------------|-------------|
| Frequency (MHz) | 2180 - 2400 | 2400 - 2500 | 2500 - 2690 | 3300 - 4200 |
| VSWR | 1.6 | 1.5 | 1.5 | 2 |
| Impedance (Ohm) | 50 | 50 | 50 | 50 |
| Gain (dBi) | 6 | 6.5 | 6.5 | 5.5 |
| Port Isolation (dB) | 18 | 18 | 18 | 21 |

Ports

| | Port 1 | Port 2 |
|-------------------------|-------------------------|-------------------------|
| Connector | 4.3-10, jack (female) | 4.3-10, jack (female) |
| Cable Type | SUCOFORM_141_C U_CMP | SUCOFORM_141_C U_CMP |
| Cable Length (m) | 0.35 | 0.35 |
| Min. radius static (mm) | 8 | 8 |
| Polarization | vertical | vertical |
| DC grounded | Yes | Yes |

Connections

| | Band 1 | Band 2 | Band 3 | Band 4 | Band 5 | Band 6 | Band 7 | Band 8 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Port 1 | X | X | X | X | X | X | X | X |
| Port 2 | X | X | X | X | X | X | X | X |

General Data

IMD level -155 dBc at carrier power 2x 43dBm

Gain specification defined without use of ground plane.

Radiator grounded for remote connectivity surveillance

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Mechanical Data

| | |
|-----------------|------------------------------|
| Dimensions (mm) | 87 x 238 (Height x Diameter) |
| Weight (kg) | 0.82 |

Environmental Data

| | |
|--|-------------|
| Environmental conditions | indoor |
| Operation temperature (°C) | 0 to 55 |
| Storage temperature (°C) | -55 to 85 |
| Transport temperature (°C) | -55 to 85 |
| Flammability rating | UL 94-V0 |
| Solar radiation | UL 746C, F1 |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |
| Lead-free soldered | yes |
| REACH 1907/2006/EC | compliant |

Plenum rated pigtail cable (UL2043)

Material Data

| | |
|--------------------------------|--------------------|
| Radome colour | white |
| Radome material | PC (Polycarbonate) |
| Back plate/base plate material | PCB_1 |

Related Products

9091.99.0258 Multi function bracket for SENCITY® Rondo
Thickness of false ceiling to be < 30 mm.

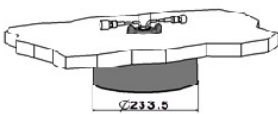
Related Documents

| | |
|----------------------|----------------|
| Mounting instruction | DOC-0000717099 |
| Painting instruction | DOC-0000256180 |
| Security instruction | DOC-0000278984 |
| Outline drawing | DOU-00304163 |

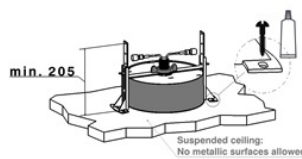
Additional Information

Mounting options

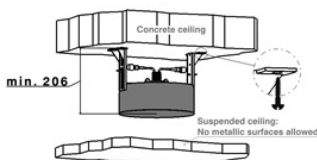
Below suspended ceiling



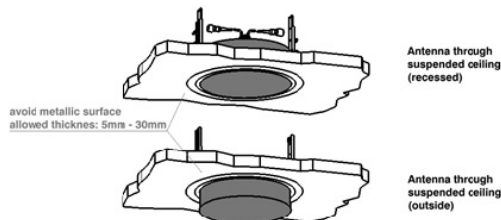
Above suspended ceiling *



On concrete ceiling *



Through suspended ceiling *



* with additional bracket 9091.99.0258