

# SENCITY® Occhio MIMO 2x2 Antenna

1399.32.0015

## Properties

- Omnidirectional antenna for Cellular bands from 1695 MHz till 6000 MHz
- VSWR 1.5 in all bands with Vertical polarization
- PIM better than -153 dBc at 2x43 dBm
- Smart bracket system is included
- Nex10 female connector



| Electrical data         |                       |                       |                       |                       |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                         | Band 1                | Band 2                | Band 3                | Band 4                |
| Frequency               | 1695 MHz ... 2690 MHz | 3300 MHz ... 4200 MHz | 4500 MHz ... 5000 MHz | 5150 MHz ... 6000 MHz |
| Impedance               | 50 Ω                  | 50 Ω                  | 50 Ω                  |                       |
| VSWR                    | 1.5                   | 1.5                   | 1.5                   | 1.5                   |
| Gain                    | 4.5 dBi               | 4.5 dBi               | 6 dBi                 | 6.5 dBi               |
| Isolation between Ports | 19.5 dB               | 22 dB                 | 25 dB                 | 25 dB                 |

| Electrical remarks |                                     |
|--------------------|-------------------------------------|
| IMD level          | -153 dBc at carrier power 2x 43 dBm |
| Remarks            | VSWR 1:1.7 in 1.695-1.8GHz          |

| Ports        |                      |                      |
|--------------|----------------------|----------------------|
|              | Port 1               | Port 2               |
| Connector    | NEX10, jack (female) | NEX10, jack (female) |
| Polarization | vertical             | vertical             |
| DC grounded  | No                   | No                   |

| Connections |        |        |
|-------------|--------|--------|
|             | Port 1 | Port 2 |
| Band 1      | ✓      | ✓      |
| Band 2      | ✓      | ✓      |
| Band 3      | ✓      | ✓      |
| Band 4      | ✓      | ✓      |

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| Mechanical data              |                                    |                                     |
|------------------------------|------------------------------------|-------------------------------------|
| Dimensions                   | 32 mm x 200 mm (Height x Diameter) |                                     |
| Material data                |                                    |                                     |
| Radome colour                | White                              |                                     |
| Back plate/base plate colour | Black                              |                                     |
| Environmental data           |                                    |                                     |
| Operation temperature        | 0 °C ... 55 °C                     |                                     |
| Storage temperature          | -40 °C ... 85 °C                   |                                     |
| Transport temperature        | -40 °C ... 85 °C                   |                                     |
| Environment (application)    | Indoor                             |                                     |
| Flammability rating          | UL 94-V0                           |                                     |
| Solar radiation              | UL 746C, F1                        |                                     |
| Ordering information         |                                    |                                     |
| Item description             | Item number                        | Product name                        |
| 1399.32.0015                 | 85138318                           | SENCITY® Occhio<br>MIMO 2x2 Antenna |

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