

SENCITY® SC Panel

1399.31.0255

Properties

- 2-Port Panel Antenna
- Frequency Range 1710-2170 MHz
- FRMCS
- Dual Polarization (X-Pol)
- Half-power Beam Width 33°
- Gain 20 dBi
- ETSI 300 019-1-4 class 4.1 E



| Electrical data | | |
|--|----------------------------|----------------------------|
| | Band 1 | Band 2 |
| Frequency | 1710 MHz ... 1880 MHz | 1900 MHz ... 2170 MHz |
| Impedance | 50 Ω | 50 Ω |
| Polarization | ±45° | ±45° |
| VSWR | 1.5 | 1.5 |
| Gain at mid tilt | 19.2 dBi | 19.9 dBi |
| Gain over all tilts | 19.1 ±0.6 dBi | 19.8 ±0.6 dBi |
| Horizontal beamwidth (3dB) | 36 ±4 ° | 34 ±4 ° |
| Vertical beamwidth (3dB) | 7.8 ±0.8 ° | 7 ±0.7 ° |
| Cross polar Isolation | 30 dB | 30 dB |
| Co/Cross polar ratio, boresight | 18 dB | 18 dB |
| Front to Back Ratio, Copolar, ±30° | 28 dB | 28 dB |
| Sidelobe suppression, 1st upper | 17 dB | 17 dB |
| Vertical Electrical downtilt continuously adjustable | 0-10° | 0-10° |
| Composite Power max | 300 W | 300 W |
| Passive Intermodulation | -150 dBc 2x 43 dBm Carrier | -150 dBc 2x 43 dBm Carrier |

Electrical remarks

| | |
|---------|---|
| Remarks | Values based on NGMN-P-BASTA requirement Internal RET(ICH) |
|---------|---|

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| Ports | |
|--------------------|-----------------------|
| | Port 1 to 2 |
| Port name | B1 |
| Connector | 4.3-10, jack (female) |
| Connector position | Bottom |
| Polarization | $\pm 45^\circ$ |
| DC grounded | Yes |

| Connections | |
|-------------|-------------------------------------|
| | Port 1 to 2 |
| Port name | B1 |
| Band 1 | <input checked="" type="checkbox"/> |
| Band 2 | <input checked="" type="checkbox"/> |

| Mechanical data | |
|-----------------|---|
| Weight | 9.2 kg |
| Dimensions | 1245 mm x 295 mm x 145 mm (Height x Width x Depth) |
| Windload | front: 478.1 N at 150 km/h, lateral: 235 N at 150 km/h, Wind Speed survival: 216 km/h |

| Material data | |
|-----------------|------|
| Radome material | ASA |
| Radome colour | Gray |

| Environmental data | |
|---------------------------|------------------|
| Operation temperature | -55 °C ... 70 °C |
| Environment (application) | Outdoor |

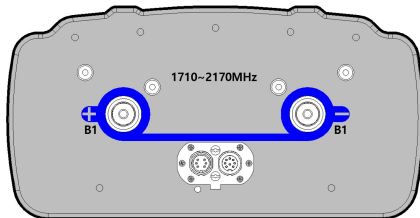
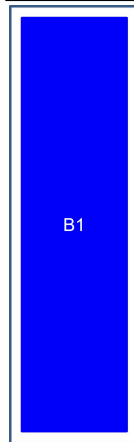
| Environmental remarks | |
|---------------------------------------|--|
| Environmental tests: ETSI 300 019-2-4 | |

| Related Products | |
|--------------------------|--|
| 731651 Clamp 28-60mm | |
| 737978 Downtilt Kit | |
| 738546 Clamp 42-115mm | |
| 85010002 Clamp 110-220mm | |
| 85010003 Clamp 210-380mm | |

| Ordering information | | |
|----------------------|-------------|-------------------|
| Item description | Item number | Product name |
| 1399.31.0255 | 85257458 | SENCITY® SC Panel |

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Layout

| Antenna Model | Connector | CH | RET Serial |
|---------------|-----------|-------|--------------------|
| 1399.31.0255 | B1 | RET 1 | HSXXXXXB1YYWW00000 |

Remark : YY – Year, WW – Week, 00000 – Serial Number

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