

SENCITY® SC Panel

1399.31.0261

Properties

- 2-Port Panel Antenna
- Frequency Range
380-500MHz
- Dual Polarization (X-Pol)
- Half-power Beam Width
65°
- Gain 15dBi
- ETSI 300 019-1-4 class 4.1 E



Electrical data		
	Band 1	Band 2
Frequency	380 MHz ... 430 MHz	430 MHz ... 500 MHz
Impedance	50 Ω	50 Ω
Polarization	±45°	±45°
VSWR	1.5	1.5
Gain over all tilts	14 ±0.6 dBi	14.6 ±0.6 dBi
Horizontal beamwidth (3dB)	67 ±4 °	64 ±4 °
Vertical beamwidth (3dB)	18.8 ±1.5 °	16.5 ±1.7 °
Cross polar Isolation	30 dB	30 dB
Co/Cross polar ratio, boresight	20 dB	20 dB
Front to Back Ratio, Copolar, ±30°	25 dB	25 dB
Sidelobe suppression, 1st upper	15 dB	15 dB
Vertical electrical downtilt	0°	0°
Ambient Temperature	25 °C	25 °C
Composite Power max	500 W	500 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
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Ports

	Port 1	Port 2
Port name	R1 Connector 1	R1 Connector 2
Connector	4.3-10, jack (female)	4.3-10, jack (female)

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Ports		
	Port 1	Port 2
Connector position	Bottom	Bottom
Polarization	+45°	-45°
DC grounded	Yes	Yes

Connections		
	Port 1	Port 2
Port name	R1 Connector 1	R1 Connector 2
Band 1	✓	✓
Band 2	✓	✓

Mechanical data	
Weight	25 kg
Dimensions	1995 mm x 480 mm x 170 mm (Height x Width x Depth)
Windload	front: 779 N at 150 km/h, lateral: 337 N at 150 km/h, Wind Speed survival: 216 km/h

Material data	
Radome material	FRP (Fiber-reinforced plastic)
Radome colour	Gray

Environmental data	
Operation temperature	-40 °C ... 70 °C
Environment (application)	Outdoor

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

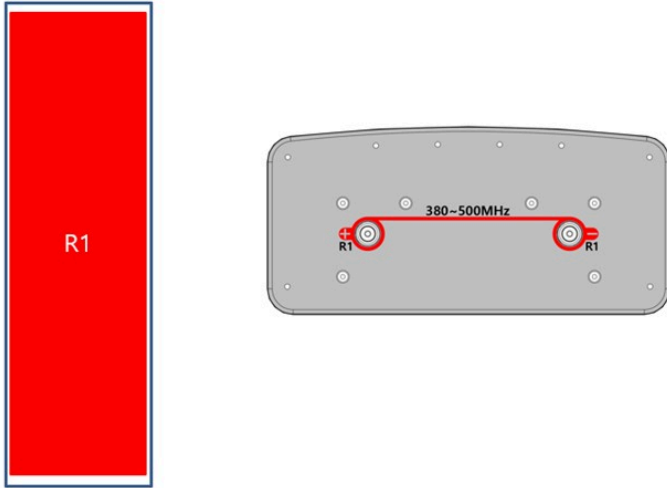
Related Products
738546 Clamp 42-115mm
85010002 Clamp 110-220mm
85010003 Clamp 210-380mm
85010009 Downtilt Kit

Additional Information
Values based on NGMN-P-BASTA requirement

Ordering information		
Item description	Item number	Product name
1399.31.0261	85240962	SENCITY® SC Panel

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Layout

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