

SENCITY® SC Panel

91121364

Properties

- 1-Port Panel Antenna
- Frequency Range 380-500 MHz
- Vertical Polarization
- Half-power Beam Width 65°
- Gain 15 dBi



Electrical bands		
	Band 1	Band 2
Frequency (MHz)	380 MHz ... 430 MHz	430 MHz ... 500 MHz
Impedance	50 Ω	50 Ω
VSWR	1.5	1.5
Gain (dBi)	14.5 dBi	15 dBi
Halfp Beamwidth vertical	18 °	16 °
Halfp Beamwidth horizontal	68 °	63 °
Front to back ratio	20 dB	20 dB
Ambient Temperature	50 °C	50 °C
Composite Power max	500 W	500 W

Electrical remarks	
Remarks	IMD level -150 dBc at carrier power 2x 43dBm

Ports	
	Port 1
Connector	7/16, jack (female)
Polarization	vertical
DC grounded	Yes

Connections	
Port number	Port 1
Band 1	✓
Band 3	✓

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Mechanical data	
Weight	20 kg
Dimensions	2000 mm x 492 mm x 190 mm (Height x Width x Depth)
Remarks	<p>Windload frontal: 1100 N at 150 km/h, lateral: 440 N at 150 km/h , Wind speed survival: 200 km/h Packing Size (mm): 2080x523x252</p> <p>Grounding: The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.</p> <p>Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.</p> <p>Material: Reflector screen: Weather-proof aluminum. All screws and nuts: Stainless steel.</p>

Interface and material data	
Radome material	Glass Reinforced Plastic (GRP)
Radome colour	Grey
Back plate/base plate material	Aluminium
Back plate/base plate colour	Grey

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