

SENCITY® SC Panel Antenna

91121416

Properties



Electrical data			
	Band 1	Band 2	Band 3
Frequency	790 MHz ... 862 MHz	824 MHz ... 894 MHz	880 MHz ... 960 MHz
Impedance	50 Ω	50 Ω	50 Ω
VSWR	1.5	1.5	1.5
Gain	17 dBi	17.1 dBi	17.4 dBi
Horizontal beamwidth (3dB)	69 °	67 °	65 °
Vertical beamwidth (3dB)	9.1 °	8.8 °	8.5 °
Front to back ratio	25 dB	25 dB	25 dB
Co/Crosspolar Ratio	25 dB	25 dB	25 dB
Vertical Electrical Tilt	8 °	8 °	8 °
Ambient Temperature	50 °C	50 °C	50 °C
Composite Power max	400 W	400 W	400 W
Passive Intermodulation	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier	-150 dBc 2x 43 dBm Carrier

Ports		
	Port 1	Port 2
Connector	7/16, jack (female)	7/16, jack (female)
Polarization	+45° slant	-45° slant
DC grounded	Yes	Yes

Connections		
	Port 1	Port 2
Band 1	✓	✓
Band 2	✓	✓

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Connections		
Band 3		
Mechanical data		
Weight	11.5 kg	
Dimensions	2254 mm x 259 mm x 99 mm (Height x Width x Depth)	
Windload	front: 800 N at 150 km/h, lateral: 390 N at 150 km/h, Wind Speed survival: 240 km/h	
Remarks	Grounding: The metal parts of the antenna including the mounting kit and the inner conductors are DC grounded.	
	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.	
	Material: The grey fiberglass radomes of these antennas are very stable and extraordinarily stiff. They are resistant to ultraviolet radiation and can also be painted to match their surroundings.	
	Reflector screen: Weather-proof aluminum. All screws and nuts: Stainless steel.	
	Related Products 731651 Clamp 28-60mm 85010002 Clamp 110-220mm 85010003 Clamp 210-380mm 737978 Downtilt Kit Order separately. For downtilt mounting use the clamps for an appropriate mast diameter together with the downtilt kit.	
Material data		
Radome material	Glass Reinforced Plastic (GRP)	
Radome colour	Grey	
Back plate/base plate material	Aluminium	
Antenna accessories		
Item description	Item number	Product name
737978	84468509	Downtilt Kit
731651	84468695	Clamp 28-60mm

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