

SENCITY® Spot-M SISO WiFi Antenna

1324.17.0051

Properties

- Directional high gain antenna for Wi-Fi or Cellular bands between 2300 and 2700 MHz
- Gain of 14 dBi with Vertical polarisation
- Half power beamwidth of 32° (vertical) and 32° (Horizontal)
- Mounting brackets for wall or pole mounting sold seperately
- Integrated N female interface



Electrical bands			
	Band 1	Band 2	Band 3
Frequency (MHz)	2300 MHz ... 2400 MHz	2400 MHz ... 2500 MHz	2500 MHz ... 2700 MHz
VSWR	1.9	1.9	1.9
Gain (dBi)	14 dBi	14.5 dBi	15 dBi
Halfp Beamwidth vertical	32 dBi	32 dBi	32 dBi
Halfp Beamwidth horizontal	32 °	32 °	32 °
Front to back ratio	26 dB	26 dB	26 dB
Ambient Temperature	25 °C		
Composite Power max	6 W		
Side Lobe Suppression horizontal	ETSI EN 301 525 V1.1.1 (2000-06)		
Side Lobe Suppression vertical	ETSI EN 301 525 V1.1.1 (2000-06)		

Ports	
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

Connections	
Port number	

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Mechanical data	
Weight	0.5 kg
Dimensions	190 mm x 190 mm x 30 mm (Height x Width x Depth)
Windload	front: 105 N at 160 km/h, lateral: 16 at 160 km/h, Wind Speed survival: 220 km/h

Material data	
Radome material	Plastic
Radome colour	RAL 9002 (grey-white)
Back plate/base plate material	Aluminium

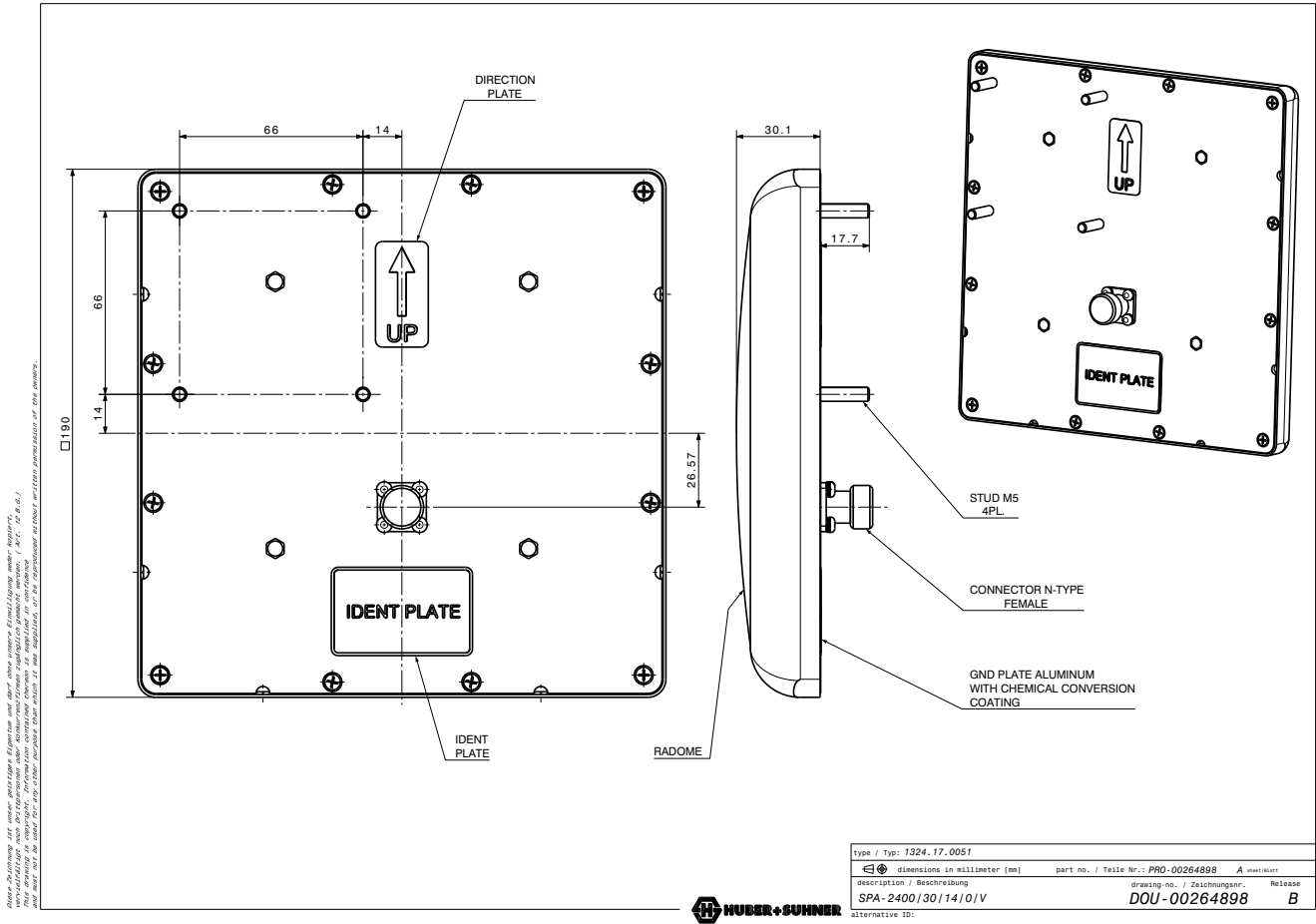
Environmental data	
Operation temperature	-45 °C ... 71°C
Storage temperature	-45 °C ... 71°C
Transport temperature	-55 °C ... 71°C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP67
Flammability rating	UL 94-HB

Environmental remarks
"Humidity ETSI EN300-2-4 T4.1E; 144h; 95% Solar radiationASTM G53; 1000 h Salt sprayIEC 60068-2-11 Ka; 500 h Mechanical shockIEC 60721-3-4; 4M5 VibrationIEC 60721-3-4; 30 min/axis; random 4M5 Low temperatureIEC 60068-2-1; 72h; -55°C High temperatureIEC 60068-2-2; 72h; +71°C Temperature cyclingIEC 60068-2-14; 1h; -45 to +70°C; 3 cycles"

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Outline drawing



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