

SENCITY® Spot-S Wi-Fi Antenna

1351.17.0001

Properties

- Compact Industrial antenna for Wi-Fi IEEE 802.11 a/h bands between 4900 and 5350 MHz for Japan & Israel
- Gain of 13 dBi with Vertical polarisation
- Half power beamwidth of 35° (vertical) and 40° (Horizontal)
- Wall mounting material included
- Integrated N female interface

**Electrical data**

	Band 1	Band 2
Name	Wi-Fi	Wi-Fi
Frequency	4900 MHz ... 4940 MHz	4940 MHz ... 5350 MHz
Impedance	50 Ω	50 Ω
VSWR	1.5	1.5
Gain	13 dBi	13.5 dBi
HPBW vertical	35 °	35 °
HPBW horizontal	40 °	40 °
Front to back ratio	20 dB	20 dB
Side Lobe Suppression horizontal	15	
Ambient Temperature	25 °C	25 °C
Composite Power max	30 W	30 W

Ports

	Port 1
Port name	Wi-Fi
Connector	N, jack (female)
Polarization	vertical

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Connections	
Port name	Port 1
Band 1	Wi-Fi
Band 2	✓
	✓

Mechanical data	
Weight	0.11 kg
Dimensions	101 mm x 81 mm x 36 mm (Height x Width x Depth)
Windload	front: 15 N at 160km/h, Wind Speed survival: 220 km/h

Material data	
Radome material	PC (Polycarbonate)
Radome colour	RAL 7044 (grey)

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Transport temperature	-40 °C ... 85 °C
Environment (application)	Indoor/Outdoor
Ingress protection (IP Rating)	IP 66 / IP 67
Flammability rating	EN 45545-2
Standards	Railway EN 50155
	Railway EN 45545
	Railway NFPA130
	Railway EN 50125
	Industrie EN 60068

Environmental remarks
FLAMMABILITY: EN 45545-2 (2013) HL3 and NFPA130 (2013), also BS 6853 and DIN 5510-2 ENVIRONMENT: EN 50155 (2016) and EN 50125-3 (2003), also EN 60068 related IP RATING: IP 66 / IP 67 (IEC 60529) SOLAR RADIATION: EN 50125-3:2004 §4.9, 1120 W/m² for 20h AIR PRESSURE: EN 50125-3:2004 §4.2, Altitude Class A1 (up to 1400m) AIR PULSE PRESSURE: EN 50125-3:2004 §4.2, 1 kPa/s RAIN: EN 50125-3:2004 §4.6, delivery rate: 6 mm/min VIBRATION / SHOCK: EN 50125-3:2004 §4.13, position profile: "outside the track" POLLUTION: EN 50125-3:2004 §4.11, pollution levels: 4B1, 4S1 CORROSION: MIL-F-14072 E Type 1 "exposed" MECHANICAL IMPACT (HAMMER IMPACT): EN 60068-2-75 (IEC 62262/2002-02 IK06)

Additional Information
Following Declaration of Conformity for SENCITY Spot-S antennas are available on request: * Industrial standards EN 60068 / EN 60529 / IEC 61373: Ref. DOC-0000318049 * Railway rolling stock, environmental standards EN 50155 and fire behaviour EN 45545-2k, NFPA130: Ref. DOC-0000380375 * Railway trackside, environmental standards EN 50125-3 and fire behaviour EN 45545-2: Ref. DOC-0000411396

Ordering information	
Item number	Item description
84088544	1351.17.0001

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DOCUMENT PIM-P3298 / Date of publication: 14.02.2025 / uncontrolled copy