

## SENCITY® SPOT-L WiFi Antenna 1354.17.0001

### Description

Linear vertical or horizontal polarized WiFi antenna  
 Frequency band 4.9 - 5.875 GHz, 23 dBi, WLAN  
 WiFi IEEE 802.11a/h/p standard  
 High gain directional antenna  
 For outdoor applications  
 Ingress protection IP67 (IEC 60529)



### Product Configuration

#### Technical Data

##### Electrical Data

	Band 1	Band 2
Frequency (MHz)	4900 - 5150	5150 - 5875
VSWR	1.9	1.7
Impedance (Ohm)	50	50
Gain (dBi)	22	23
3dB beamwidth (h) (°)	9	9
3dB beamwidth (v) (°)	9	9
Composite power max (W)	6	
Ambient temperature (°C)	25	
Front to back ratio (dB)	35	35

##### Ports

	Port 1
Connector	N, jack (female)
Polarization	vertical
DC grounded	Yes

##### Connections

	Band 1	Band 2
Port 1	X	X

##### General Data

##### Mechanical Data

Dimensions (mm) 305 x 305 x 15 (Height x Width x Depth)  
 Weight (kg) 1.2  
 Windload frontal: 263 N at 160 km/h, lateral: 13 N at 160 km/h, Wind speed survival: 220 km/h

##### Environmental Data

Environmental conditions indoor/outdoor  
 Operation temperature (°C) -45 to 70  
 Storage temperature (°C) -45 to 70  
 IP rating IP67  
 Flammability rating UL 94-HB

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2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
Lead-free soldered	yes
WEEE 2012/19/EU	special marking needed
REACH 1907/2006/EC	compliant

Temperature condition low -55°, IEC 60068-2-1  
Temperature condition hig +71°, IEC 60068-2-2  
Temperature cycling IEC 60068-2-14 1h -45°C to +70°C 3 cycles  
Salt spray IEC 60068-2-11 Ka / 500 h  
Humidity ETSI EN300-2-4 T4.1E / 144h / 95%  
Solar radiation ASTM G53 / 1000 h  
Mechanical shock EC 60721-3-4, 4M3  
Vibration IEC 60721-3-4 30 min/axis random 4M3

### Material Data

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

### Related Products

9091.99.0183 Planar Antenna Downtilt Bracket

### Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00265928
3D-model	DOC-0000459244