

SENCITY® SPOT-L WiFi Antenna
1324.17.0112**Description**

Linear vertical or horizontal polarised directional WiFi antenna
High gain 17.5 dBi with HPBW 20°
IEEE 802.11 b/g WLAN
Frequency band 2.3 - 2.7 GHz
Mobile and LTE 2.7 GHz band
For outdoor applications IP67 (IEC 60529)

**Product Configuration****Technical Data****Electrical Data**

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	2300 - 2400	2400 - 2500	2500 - 2600	2600 - 2700
VSWR	1.7	1.7	1.7	1.7
Impedance (Ohm)	50	50	50	50
Gain (dBi)	15.5	17	17.5	18
3dB beamwidth (h) (°)	20	20	20	20
3dB beamwidth (v) (°)	20	20	20	20
Composite power max (W)	6			
Ambient temperature (°C)	25			
Front to back ratio (dB)	28	28	28	28
Co/Crosspolar ratio (dB)	20	20	20	20

Ports

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

General Data

Side lobes level ETSI EN 301 525 V1.1.1 (2000-06) TS2
Cross polarisation ETSI EN 301 525 V1.1.1 (2000-06) TS2
F/B ratio ETSI EN 301 525 V1.1.1 (2000-06) TS2

Mechanical Data

Dimensions (mm)	305 x 305 x 25 (Height x Width x Depth)
Weight (kg)	1.2
Windload	frontal: 263 N at 160 km/h, lateral: 22 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
Transport temperature (°C)	-45 to 70
IP rating	IP67
Flammability rating	UL 94-HB
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
Lead-free soldered	yes
WEEE 2012/19/EU	special marking needed

SENCITY® SPOT-L WiFi Antenna 1324.17.0112

REACH 1907/2006/EC

compliant

Humidity ETSI EN300-2-4 T4.1E 144h 95%

Solar radiation ASTM G53 1000 h

Salt spray IEC 60068-2-11 Ka 500 h

Mechanical shock IEC 60721-3-4 4M5

Vibration IEC 60721-3-4 30 min/axis random 4M5

Low temperature IEC 60068-2-1 72h -55°C

High temperature IEC 60068-2-2 72h +71°C

Temperature cycling IEC 60068-2-14 1h -45 to +70°C 3 cycles

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-00266872
3D-model	DOC-0000460782