

## SENCITY® Spot-M WiFi Antenna 1356.17.0024

### Description

Directional high gain antenna for Wi-Fi 2/Wi-Fi 5 bands.  
Supports from 5.15 GHz to 5.95 GHz frequency bands.  
Vertical polarized.  
For outdoor and indoor applications



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	5150 - 5250	5250 - 5350	5350 - 5725	5725 - 5875
VSWR	1.9	1.9	1.9	1.9
Impedance (Ohm)	50	50	50	50
Gain (dBi)	18	19	18.5	18
3dB beamwidth (h) (°)	18	18	18	18
3dB beamwidth (v) (°)	18	18	18	18
Composite power max (W)	6			
Ambient temperature (°C)	25			
Front to back ratio (dB)	30	30	30	30
Vertical electrical tilt (°)	0	0	0	0

  

	Band 5
Frequency (MHz)	5875 - 5950
VSWR	2
Impedance (Ohm)	50
Gain (dBi)	17.5
3dB beamwidth (h) (°)	18
3dB beamwidth (v) (°)	18
Front to back ratio (dB)	30
Vertical electrical tilt (°)	0

#### Ports

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

#### Connections

	Band 1	Band 2	Band 3	Band 4	Band 5
Port 1	X	X	X	X	X

#### General Data

#### Mechanical Data

Dimensions (mm) 190 x 190 x 30 (Height x Width x Depth)

## SENCITY® Spot-M WiFi Antenna 1356.17.0024

Weight (kg) 0.7  
Windload frontal: 104 N at 160 km/h, lateral: 16 N at 160 km/h , Wind speed survival: 220 km/h

### Environmental Data

Environmental conditions	outdoor
Operation temperature (°C)	-45 to 70
Storage temperature (°C)	-45 to 70
Transport temperature (°C)	-55 to 71
IP rating	IP67
Flammability rating	UL 94-HB
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant
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

9091.99.0201 Down\_Sidetilt Bracket

### Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00099815
3D-model	DOC-0000451976