

## SENCITY® Spot-M 2x2 WiFi MIMO Antenna 1356.17.0023

SPA-5600/17/18/0/VH

### Description

Directional, planar, dual linear vertical and horizontal polarized WiFi antenna  
 For 2x2 WiFi MIMO configuration - WLAN WiFi IEEE 802.11 a/h/n  
 Frequency bands for 5.15 - 5.875 GHz per each port, high gain 19 dBi  
 For outdoor or indoor applications  
 Ingress protection IP67



### Product Configuration

### Technical Data

#### Electrical Data

	Band 1
Frequency (MHz)	5150 - 5875
VSWR	1.7
Impedance (Ohm)	50
Gain (dBi)	19
3dB beamwidth (h) (°)	17
3dB beamwidth (v) (°)	17
Front to back ratio (dB)	30
Co/Crosspolar ratio (dB)	20
Sidelobes (h)	ETSI EN 302 217-4-2 V1.5.1 CLASS 2
Vertical electrical tilt (°)	0
Port Isolation (dB)	30

#### Ports

	Port 1	Port 2
Connector	N, jack (female)	N, jack (female)
Polarization	vertical	horizontal

#### Connections

	Band 1
Port 1	X
Port 2	X

#### General Data

Composite Power max (W) 6

#### Mechanical Data

Dimensions (mm) 190 x 190 x 30 (Height x Width x Depth)  
 Weight (kg) 0.7  
 Windload frontal: 105 N at 160 km/h, lateral: 16 N at 160 km/h, Wind speed survival: 220 km/h

Connection ports Two connectors on the back plane - one per each polarization

#### Environmental Data

Environmental conditions outdoor  
 Operation temperature (°C) -55 to 70

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Storage temperature (°C)	-55 to 70
Transport temperature (°C)	-55 to 70
IP rating	IP67
Flammability rating	UL 94-HB
Solar radiation	ASTM 653-96
RoHS 2011/65/EU	compliant
Lead-free soldered	yes
REACH 2006/1907/EC	compliant

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  
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 4M3  
Vibration IEC 60721-3-4 30 min/axis random 4M3

### Material Data

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

### Related Products

9091.99.0201 Planar Antenna Downtilt Bracket

### Related Documents

Mounting instruction	DOC-0000225623
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00162132
3D-model	DOC-0000455813