

SENCITY® Omni-S broad band WiFi Antenna 1399.17.0224

SOA-2456/360/1/0/V

Description

Broad band omni-directional WiFi & mobile antenna for 1710 up to 6000 MHz
 WLAN 2400 - 2500 MHz and 5150 - 6000 MHz WiFi IEEE 802.11 a/b/g/h/p and n
 Mobile / cellular 1710 - 2200 MHz
 LTE 2300, LTE 2500 and LTE 2700 MHz / WiMax 3400 - 3800 MHz
 Small & robust outdoor stick antenna IP66 / IP68 / IP69K
 Direct mount on N type connector of wireless access points or clients



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	1710 - 2000	2000 - 2700	2700 - 3800	4900 - 5150
VSWR	2	2	2	2
Impedance (Ohm)	50	50	50	50
Gain (dBi)	1.5	2	1.5	2.5
3dB beamwidth (h) (°)	360	360	360	360

	Band 5
Frequency (MHz)	5150 - 6000
VSWR	2
Impedance (Ohm)	50
Gain (dBi)	2
3dB beamwidth (h) (°)	360

Ports

	Port 1
Connector	N, plug (male)
Polarization	vertical

General Data

DC Grounding No
 Composite Power max (W) 10

Antenna meets railway standard according to EN 50155

Mechanical Data

Dimensions (mm) 55 x 22 (Height x Diameter)
 Weight (kg) 0.05

Coupling nut torque: nominal 1Nm
 maximum 3Nm

Environmental Data

Environmental conditions outdoor
 Operation temperature (°C) -40 to 85
 Storage temperature (°C) -40 to 85
 Transport temperature (°C) -40 to 85
 IP rating IP69K
 Flammability rating UL 94-HB
 RoHS 2011/65/EC compliant
 REACH 2006/1907/EC compliant

Ingress protection IP66, IP68 & IP69K (EN 60529)

Flammability rating EN 45545 DIN 5510-2

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Temperature range (damp heat) EN 60068-2-30, Test Db, Variant 1 (40°C 6 cycles)

Temperature shock EN 60068-2-14, Test N, -45°C/85°C, 1h, 5 cycles

Vibration and shock EN 61373, category 1, class b (for railway carriage)

Material Data

Radome colour	RAL 7043 (dark grey)
Radome material	ASA (acrylic ester-styrene-acrylonitrile)

Related Documents

Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DOU-00248614
3D-model	DOC-0000424893