

Sencity Special Communication Antenna 92210003

Description

Omni-directional Antenna
 Frequency Range 300-3800 MHz
 Vertical Polarization
 3-8.5 dBi Gain
 Small ground plane and excellent coverage



Product Configuration

Technical Data

Electrical Data

	Band 1	Band 2	Band 3	Band 4
Frequency (MHz)	380 - 400	400 - 450	450 - 470	694 - 746
VSWR	1.7	1.7	1.7	1.7
Impedance (Ohm)	50	not defined	50	50
Gain (dBi)	3	4	5	6
Composite power max (W)	50	50	50	50
Ambient temperature (°C)	50	50	50	50

	Band 5	Band 6	Band 7
Frequency (MHz)	746 - 960	1200 - 2700	3300 - 3800
VSWR	1.7	1.7	1.7
Impedance (Ohm)	50	50	50
Gain (dBi)	7	8	8.5
Composite power max (W)	50	50	50
Ambient temperature (°C)	50	50	50

Ports

	Port 1
Connector	4.3-10, jack (female)
Polarization	vertical
DC grounded	Yes

Connections

	Band 1	Band 2	Band 3	Band 4	Band 5	Band 6	Band 7
Port 1	X	X	X	X	X	X	X

General Data

IMD level -150 dBc at carrier power 2x 43dBm

VSWR Max:

380-410 MHz: 2.8 : 1

410-3800 MHz: 2.2 : 1

Mechanical Data

Dimensions (mm) 540 x 60 (Height x Diameter)
 Weight (kg) 0.5

Sencity Special Communication Antenna 92210003

Ground plane (mm): 165x165x1.5

Environmental Data

Environmental conditions 2011/65/EU (RoHS - including 2015/863 and 2017/2102) WEEE 2012/19/EU REACH 1907/2006/EC	outdoor compliant no special marking needed compliant
--	--

Environmental conditions:

Operating temperature range: -40°C to +70 °C

Vibration: According to IEC 60721-3-4

Flammability: UL94

Water proofing: IP 65

Humidity: ETS 300 019-1-4. EN 302 085 (Annex A. 1.1)

Salt fog: According to IEC 68-2-11

Mounting (pole mount):

1) The antenna can be attached laterally at the tip of a tubular mast of 50.8 mm | 2.0 inches with two U-bolt brackets supplied.

2) The antenna can be attached laterally at the tip of a tubular mast with a pair of tension bands (please order separately).

Scope of Supply: U-bolt brackets, Mast diameter 50.8 mm | 2 inches

Anti-static protection:

All metal parts of the antenna as well as the clamps are grounded.

Lightning protection:

The antenna is not lightning protected.

Material:

Base: Weather-proof aluminum.

Radome: UV protected plastic.

Mounting kit, screws and nuts: Stainless steel.

Related Products

734365 Tension Band 45-125mm

734364 Tension Band 120-140mm

Order separately.

Related Documents

Mounting instruction	DOC-0000871436
Security instruction	DOC-0000278984
Outline drawing	DOU-00398570

Additional Information



Sencity Special Communication Antenna 92210003

Carlcom SA