



RFS Class 4 and advanced Class 3 antennas are designed to provide the market's best RF performance and allow mobile operators to deploy new microwave links even in ultra-dense areas where high levels of interference are present.

- Available from 6 to 42 GHz frequency in both single (SL/UL) and dual polarization (SLX/ULX) versions
- Support for winds up to 250 km/h (155 mph) and even 320 km/h (195 mph) for 0.3m antennas diameter
- An optional sway bar for antennas 1 m (3ft) and larger is available

FEATURES / BENEFITS

- Increase link capacity of the network
- Improved radiation patterns for ETSI Class 4 providing better performance
- Less interference and higher carrier-to-interference ratio
- Allows radios to operate at higher modulation levels
- Minimize the total cost of ownership
- Improved network efficiency
- Facilitates better re-use of a frequency channel
- In-field upgrades – flexible feed design
- Upgrade from single to dual polarization in the field

The design of the HIGH WIND & HIGH ICE configuration features :

- a reinforced mounting structure
- 3 sway bars, strategically located
- an Extreme radome optimized for areas with high wind and snow appearance

This specific design allow the antenna to survive in High Wind and High Ice climate and withstand :

- a 250km/h (155mph) survival wind speed with 25mm (1 inch) of radial ice
- a 225km/h (140mph) survival wind speed with 55mm (2 inches) of radial ice



Technical features

GENERAL SPECIFICATIONS

Product Type		Point to point antennas
Profile		SerenityLine
Performance		Super High
Polarization		Dual
Antenna Input		CPR90G
Reflector		1-part
Radome		Flexible, White color
Antenna color		White RAL 9010
Swaybar		3: 2.0 m x Ø60 mm



ELECTRICAL SPECIFICATION

Frequency	GHz	10 - 11.7
3dB beamwidth	degrees	1
Low Band Gain	dBi	43.5
Mid Band Gain	dBi	44.1
High Band Gain	dBi	44.9
F/B Ratio	dB	85
XPD	dB	40 @ boresight 35 @ other areas
IPI	dB	40
Max VSWR / R L	VSWR / dB	1.1 (26)
Regulatory Compliance		ETSI EN 302217 Range 1 Class 4, XPD Category 3 FCC Category A

MECHANICAL SPECIFICATIONS

Diameter	ft (m)	6 (1.8)
Elevation Adjustment	degrees	±5
Azimuth Adjustment	degrees	±5
Polarization Adjustment	degrees	±5
Mounting Pipe Diameter minimum	mm (in)	114 (4.5)
Mounting Pipe Diameter maximum	mm (in)	114 (4.5)
Survival Windspeed	km/h (mph)	252 (155)
Operational Windspeed	km/h (mph)	190 (118)
Approximate Weight	kg (lb)	110 (242)

STRUCTURE

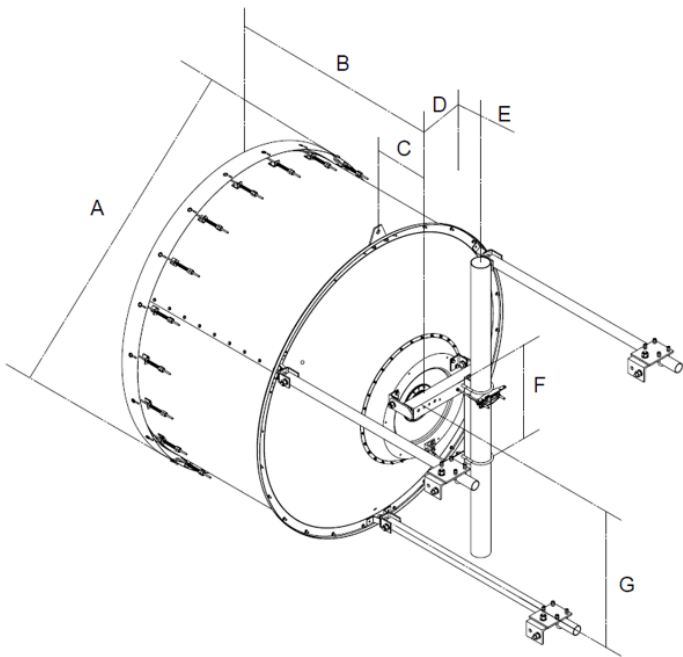
Radome Material		PVC coated fabric
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OTHER ACCESSORIES

Further Accessories		SMA-SKO-UNIVERSAL-L : Universal sway bar fixation kit
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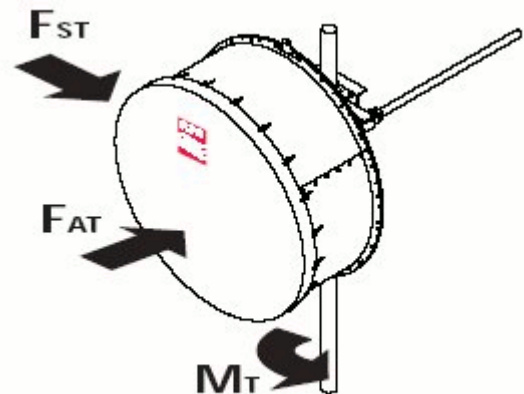
MOUNT OUTLINE

Dimension_A	mm (in)	2000 (79)
Dimension_B	mm (in)	1495 (58.9)
Dimension_C	mm (in)	364 (14.3)
Dim_D- 114mm(4.5_in)Pipe	mm (in)	175 (6.9)
Dimension_E	mm (in)	283 (11.1)
Dimension_F	mm (in)	590 (23.2)
Dimension_G	mm (in)	939 (37)



WINDLOAD

F_s Side force max. @ survival wind speed	N (lb)	7292 (1639)
F_a Axial force max. @ survival wind speed	N (lb)	11761 (2643)
M Torque maximum @ survival wind speed Nm (ft lb)	Nm (lb ft)	10241 (7586)



External Document Links

- [Antenna Installation](#)
- [RF interface installation](#)
- [Swaybar installation](#)
- [RPE \(IQ-Link format\) 10.7 to 11.7 GHz](#)
- [RPE \(PDF format\) 10.7 to 11.7 GHz](#)
- [RPE \(pathloss format\) 10.7 to 11.7 GHz](#)
- [RPE \(IQ-Link format\) 10.0 to 11.7 GHz](#)
- [RPE \(PDF format\) 10.0 to 11.7 GHz](#)
- [RPE \(pathloss format\) 10.0 to 11.7 GHz](#)

Notes