



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**

<b>Product Type</b>		Point to point antennas
<b>Profile</b>		SerenityLine
<b>Performance</b>		Super High
<b>Polarization</b>		Dual
<b>Antenna Input</b>		CPR137G
<b>Reflector</b>		1-part
<b>Radome</b>		Flexible, White color
<b>Antenna color</b>		White RAL 9010
<b>Swaybar</b>		3: 2.0 m x Ø60 mm



**ELECTRICAL SPECIFICATION**

Frequency	GHz	5.925 - 7.125
3dB beamwidth	degrees	1.7
Low Band Gain	dBi	38.5
Mid Band Gain	dBi	39.2
High Band Gain	dBi	40.4
F/B Ratio	dB	76
XPD	dB	40 @ boresight 36 @ 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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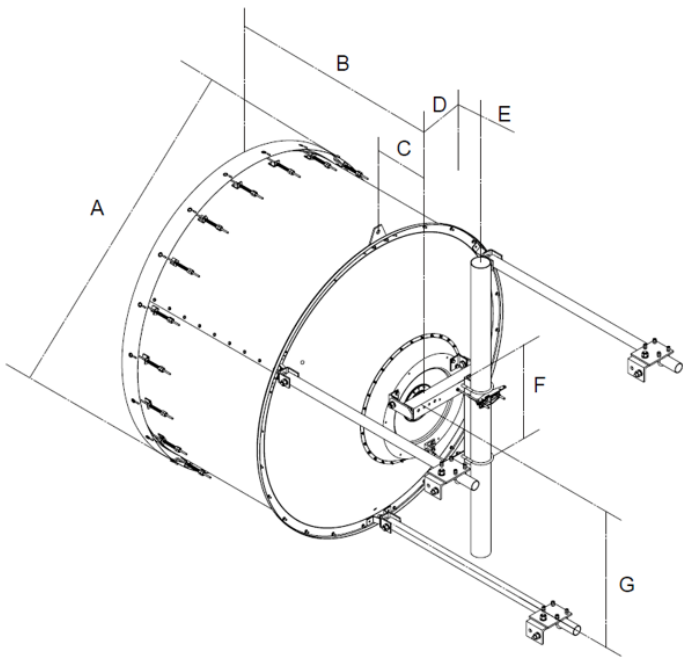
**MOUNT OUTLINE**

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)



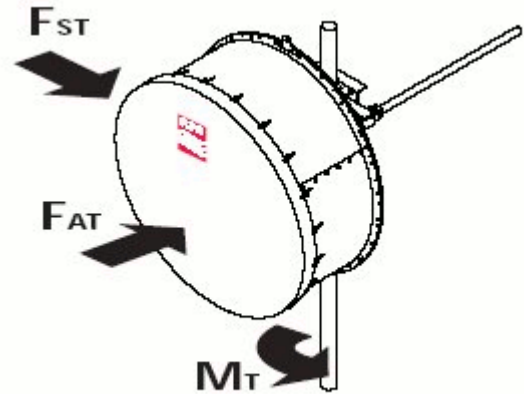
**PRODUCT DATASHEET**  
**ULX6-W60ACSQ1E**

SerenityLine Antenna, Super High Performance, Dual Polarized, 6ft, High Wind High Ice Configuration



**WINDLOAD**

<b>F<sub>s</sub> Side force max. @ survival wind speed</b>	N (lb)	7292 (1639)
<b>F<sub>a</sub> Axial force max. @ survival wind speed</b>	N (lb)	11761 (2643)
<b>M Torque maximum @ survival wind speed Nm (ft lb)</b>	Nm (lb ft)	10241 (7586)



**External Document Links**

- [Antenna Installation](#)
- [RF interface installation](#)
- [Swaybar installation](#)
- [RPE \(IQ-Link format\)](#)
- [RPE \(PDF format\)](#)
- [RPE \(pathloss format\)](#)

**Notes**