

The Scala OGB11-915/DT2 is a collinear dipole antenna with vertical polarization. It is broadband from 790 MHz to 960 MHz with a gain of 10.5 dBi (center frequency)

This is a DC grounded antenna with a fiberglass radome.

All internal and external components are made of the highest quality materials.

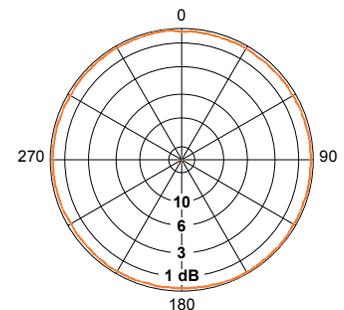
The antenna includes a mounting bracket that mounts to masts of 2.375"-4.72".

Specifications	
Frequency range	790-960 MHz (broadband)
Gain:	10.5 ± 0.5 dBi
Impedance	50 Ohms
VSWR	<1.5:1
Polarization	Vertical
Maximum input power	250 watts
Azimuth beamwidth	360 degrees (omni)
Elevation beamwidth	7 degrees (half-power)
Electrical downtilt	2 degrees
Connector	7-16 DIN female
Weight	36.4 lb (16.5 kg)
Dimensions	105.6 x 3.2 inches (2682 x 82 mm)
Wind load at 93 mph (150 kph)	52.8 lbf (235 N)
Wind surface	2.4 ft ² (0.22 m ²)
Shipping dimensions	124 x 8.7 x 8.7 inches (3150 x 220 x 220 mm)
Mounting	For masts of 2.375 – 4.72 inch OD (60-120 mm)
Lightning protection	All metal parts of the antenna, including the Mounting kit and inner conductor are DC grounded
Icing protection	Full radome
Radome color	Gray (std.), other on request

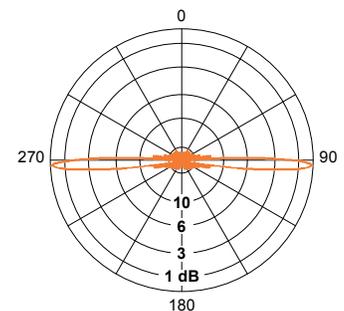
*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.



RADIATION PATTERNS (Mid Band)



Horizontal plane

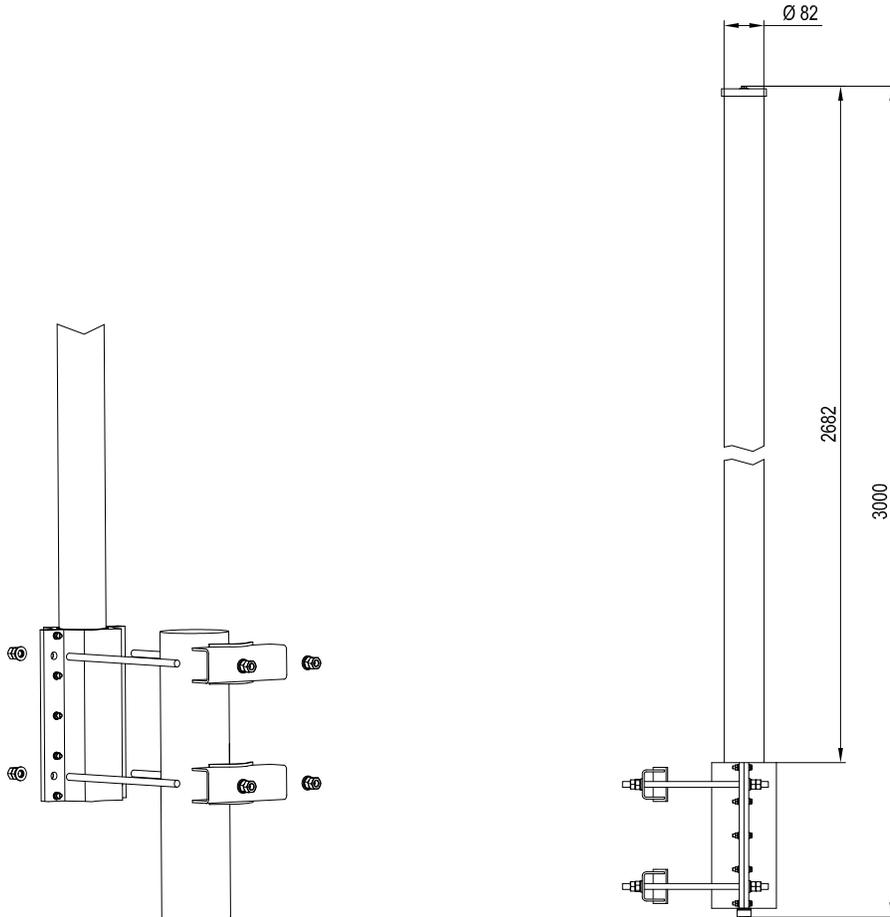


Vertical plane

Mounting: The antenna can be attached laterally at the tip of a tubular mast of 2.375-4.72 inch (60-120 mm) diameter with two brackets supplied with the antenna (connecting cable runs outside the mast).

Materials:

Radiator:	Aluminum.
Radome:	Fiberglass, color: Gray.
Base:	Weather-proof aluminum.
Mounting kit, screws and nuts:	Stainless steel.



PLEASE NOTE:

As a result of more stringent legal regulations and judgments regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

The mechanical design is based on the environmental conditions as stipulated in ETS 300 019-1-4, which include the static mechanical load imposed on an antenna by wind at maximum velocity.

Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of an antenna or even cause it to fall to the ground. These facts must be considered during the site planning process.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.

The details given in our data sheets have to be followed carefully when installing the antennas and accessories.

The limits for the coupling torque of RF-connectors, recommended by the connector manufactures must be obeyed.

30113 subject to alteration