

Directional Antenna, 10.0 to 11.7 GHz, 37 dBi, 90 cm, (3 feet) Solid Dish

High Performance Solid Dish antenna 90 cm (3 feet) with 37 dBi gain at 10.0 to 11.7 GHz band. The shroud reduces side lobes and improves performance in noisy areas.

Heavy duty mounting kit with precision alignment features is included.

QAD1137-90 SD HP has cylindrical shroud and provides reduction in gain of side lobes (less than 2 dBi) ensuring high performance and link throughput by eliminating the effect of existing links in the angles other than main lobe.



Radio Specifications

Frequency range	10.0 – 11.7 GHz
Gain	37.0 ± 0.5 dBi
Side lobe level	2 dBi
Front to back ratio	48 dB
Beamwidth-3 dB	4°
Polarization	Dual linear V and H
Cross Polarization	35 dB
VSWR	1.4:1
Port to Port Isolation	45 dB

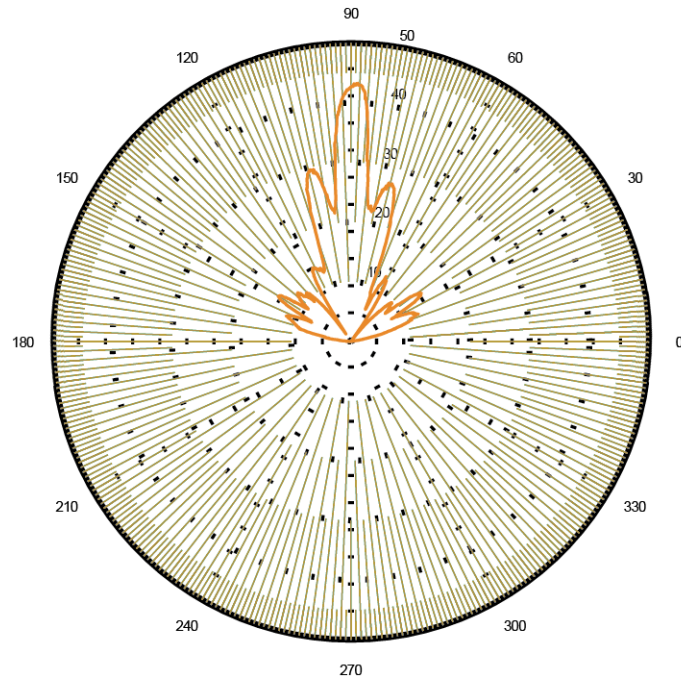
Mechanical Specifications

Parabola material	Aluminum Alloy
Size	90.0 cm (3 ')
Depth	33.1 cm
Radome material	UV resistant plastic ABS
Input/output	Circular waveguide 19 mm
Mast size allowed	25 - 60 mm
Operational wind load	130 km/h (87 mph)
Survival wind load	200 km/h (130 mph)
Antenna weight	5.1 Kg (11.2 lbs.)
Mounting Kit weight	2.5 Kg (5.51 lbs.)
Pack options	2 pack / 6 pack

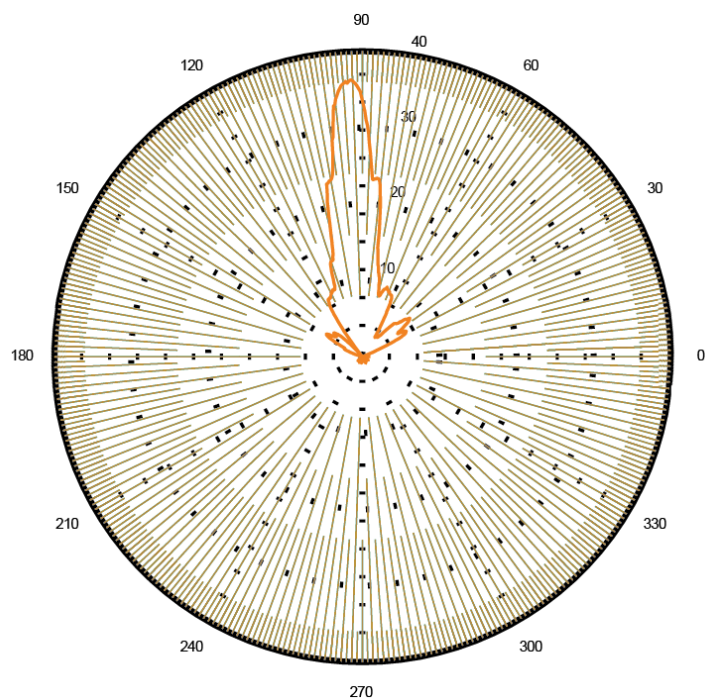


The antenna is supplied together with a bracket that allows easy mounting on a mast. Bracket can be installed separately on the mast. It come with a versatile bracket which allows precise adjustment in both directions. Whole antenna system has extreme wind stability.

Radiation Patterns:



E-Plane Pattern (QAD 1137 - 90 SD HP)



H-Plane Pattern (QAD 1137 - 90 SD HP)

Outlines:

