

Wideband Terminal Antenna

DESCRIPTION

The ProShotGN antenna, a Shot Glass Style Omni Mobile Antenna, is engineered to provide wideband coverage across a broad frequency range of 617 - 7200 MHz. This makes it suitable for 2G/3G/4G and 5G networks, WiFi 6E and WiFi 7 networks, as well as IoT and M2M applications, among others. Its wideband capabilities ensure the antenna is versatile for a wide range of applications.

The ProShotGN is designed for easy mounting and is weatherproof, with IP67 and IK10 ratings. Its omnidirectional pattern and wideband frequency coverage makes it perfect for worldwide use. Whether it is for vehicles, industrial settings, cellular modems/routers, or M2M applications, the ProShotGN stands out.

- Wideband Omni LTE/5G Coverage: 617 - 7200 MHz
- Input Power: Capable of handling up to 50 W
- High quality enclosure rated IP67 for water and dust ingress and IK10 for impact
- Easy mounting with a single through-hole stud
- Multiple antennas can also be used together for MIMO applications
- For optimal performance in the low band, a ground plane (500 x 500 mm) is recommended.



SPECIFICATIONS

Electrical				
Model	ProShotGN			
Frequency	617 - 698 MHz	698 - 960 MHz	1710 - 4200 MHz	4200 - 7200 MHz
Antenna Type	Wideband radiator			
Max. Input Power	50 W			
Efficiency	> 85%			
Polarisation	Vertical			
Pattern Type	Omnidirectional			
Impedance	50 Ω			
Gain	See radiation diagrams below			
3 dB Beamwidth	Omnidirectional			
VSWR *	< 2.5:1	< 2.0:1	< 2.0:1	< 2.0:1

Mechanical	
Connection(s)	N(f)
Materials	ASA
Colour	Black (RAL 9005) or White (RAL 9010)
Dimensions	ø48 mm / 1.89 in.
Height	85 mm / 3.35 in.
Weight	Approx. 200 g. / 0.44 lb.
Mounting	18.5 mm / 0.73 in.

Environmental	
Operating temperature range	-40 °C to +80 °C
Ingress Protection	IP67
Impact Protection	IK10

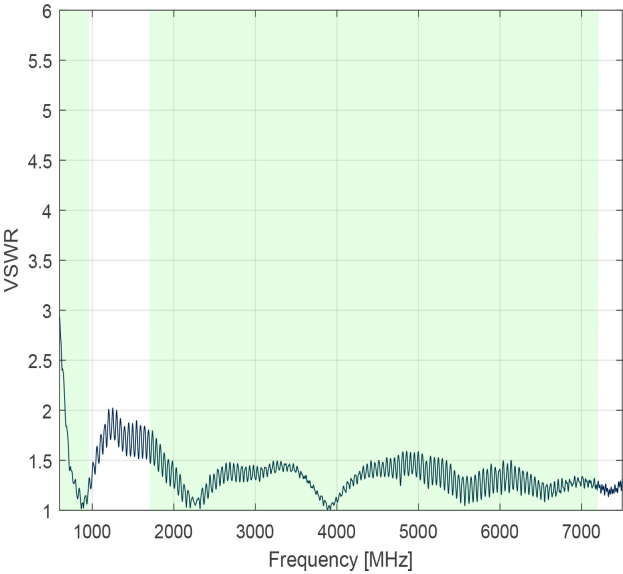
NOTE

* Measured with 2 m [78.7 in.] of RG 58 cable on a 500 x 500 mm [19.7 x 19.7 in.] ground plane.

ORDERING

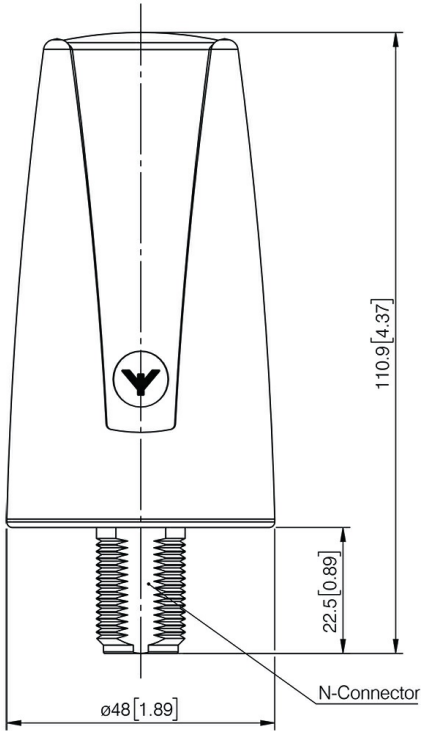
Model	Product No.	Frequency
ProShotGN-W	130002540	617 - 7200 MHz
ProShotGN-B	130002545	617 - 7200 MHz

TYPICAL VSWR CURVE



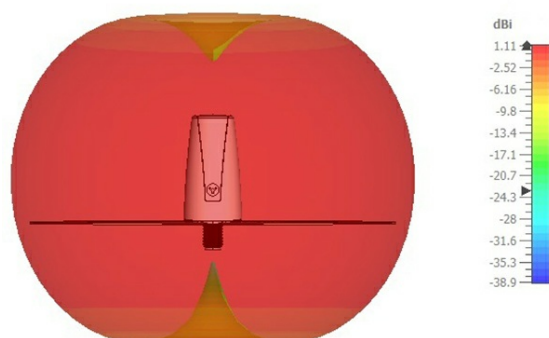
Measured with 2 m [78.74 in.] of RG 58 cable on a 500 x 500 mm [19.69 x 19.69 in.] ground plane.

MECHANICAL OUTLINE

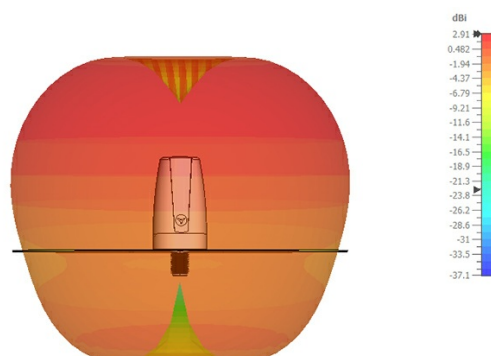


All dimensions are given in mm [in.]

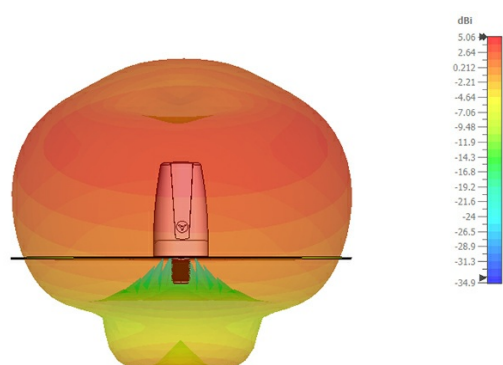
TYPICAL RADIATION PATTERN 617 MHZ



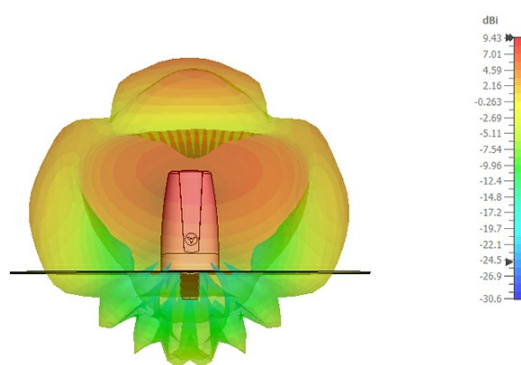
TYPICAL RADIATION PATTERN 960 MHZ



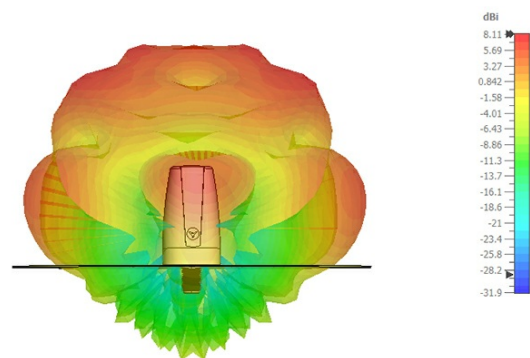
TYPICAL RADIATION PATTERN 1710 MHZ



TYPICAL RADIATION PATTERN 3800 MHZ



TYPICAL RADIATION PATTERN 6000 MHZ



TYPICAL RADIATION PATTERN 7200 MHZ

