

Wideband Terminal Antenna

DESCRIPTION

The ProShotG 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 ProShotG 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 ProShotG 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 with cable/pigtail
- ECE R118.02 approved cable on pigtail version
- 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	ProShotG			
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)	0.3 m RG 316 with SMA(m)			
Materials	ASA			
Colour	Black (RAL 9005) or White (RAL 9010)			
Dimensions	ϕ 48 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.

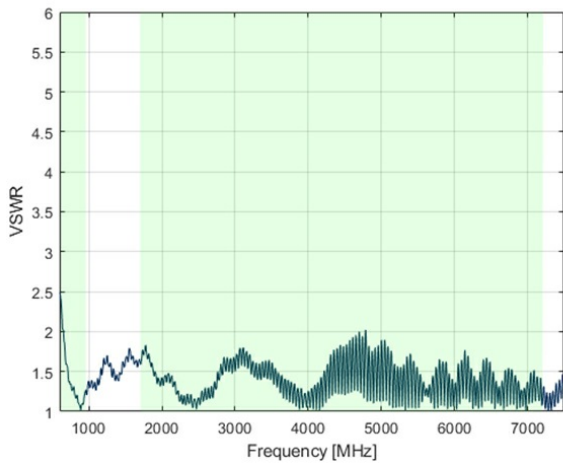
ORDERING DESIGNATIONS

Use the guide below to assign the name of the ProShotG you would like to order.

Model Name	Cover color	Cable length	Connectors
ProShotG	-W (White) -B (Black)	Blank (approx. 1 foot cable length) -P5 (5m cable length)	-S (SMA-M) -RP-S (Reverse Polarity SMA-M) FAKRA (on request)
Naming Example			
ProShotG	-W	-P5	-S

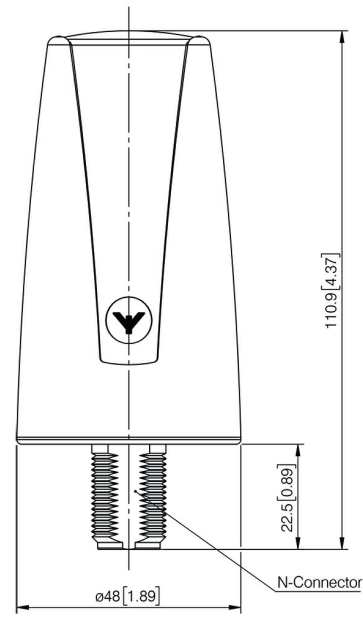
ProShotG-W-P5-S

TYPICAL VSWR CURVE



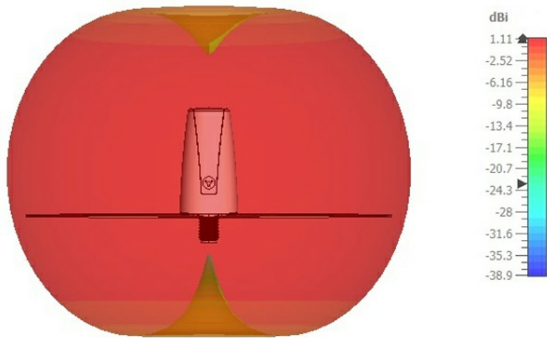
Measured with 2 m [78.74 in.] of RG 58 cable on a 500 x 500 mm [19.69 x 19.69 in.] ground plane

MECHANICAL OUTLINE

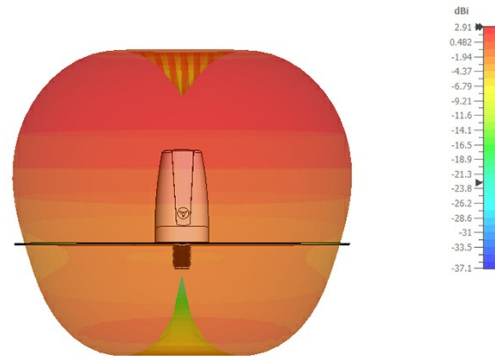


All dimensions are given in mm [in.]

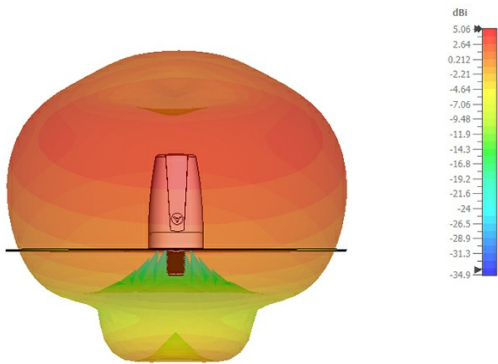
TYPICAL RADIATION PATTERN 617 MHZ



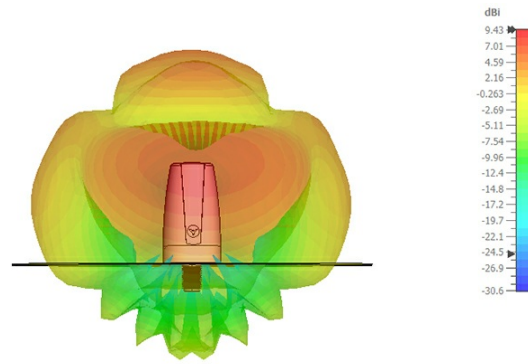
TYPICAL RADIATION PATTERN 960 MHZ



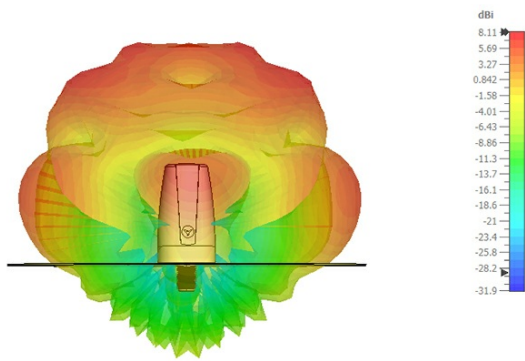
TYPICAL RADIATION PATTERN 1710 MHZ



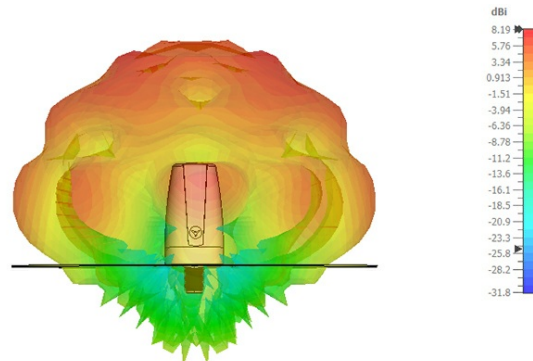
TYPICAL RADIATION PATTERN 3800 MHZ



TYPICAL RADIATION PATTERN 6000 MHZ



TYPICAL RADIATION PATTERN 7200 MHZ



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