

# proTAC™ 5311

Space quality and military performance in compact and robust package for affordable price – innovative communications antenna for 4G data routers and voice communication systems.

Covers all 2G, 3G and 4G frequencies used worldwide (GSM, GPRS, DCS, UMTS, WCDMA, LTE, WLAN...)

Only proTAC™ can offer you these benefits

- Huge cost savings in satellite based data
- 4 antennas in one with 5dBi gain - without compromises
- longer range than standard antennas > 35km
- provides stable connection – good for critical ERP and VPN systems
- replaces existing antennas
- lightning and ESD protected
- works in all continents – in every network



**Frequency range:** 800MHz – 2.6GHz (extended range from 600MHz to 6GHz)

**Gain:** upto 5dBi

**RF Power:** 250W

**Grounding:** DC-grounded

**Connector:** N-type (female at bottom)

**Size:** 90mm (dome diameter)

120mm (height)

0.6kg (weight)

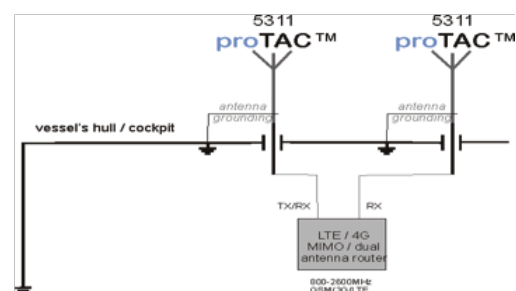
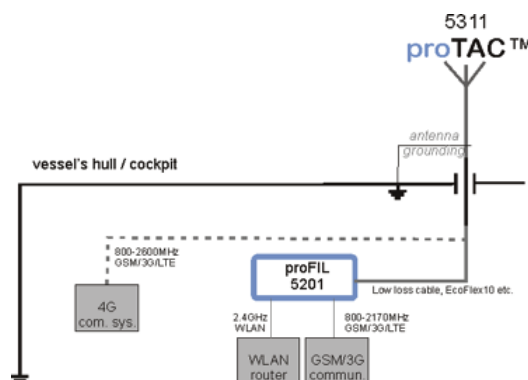
waterproof



*Mounting adaptor (stainless steel) from 140mm flange mount to 1 1/4" -11TPI available*

## Proposed installations:

proISO™ series galvanic isolators can be used to prevent ground leaks and loops



**promarine**

INTERFERENCE-FREE COMMUNICATIONS

## wireless GSM/4G/WLAN communication antenna

Frequency range		
Frequency / band	VSWR with ground plane	VSWR without ground plane
Wideband	< 2.0 (460MHz – 6GHz)	< 2.0 (680MHz – 6GHz)
800MHz LTE	< 1,5	< 1,8
900MHz GSM/LTE	< 1,4	< 1,6
1800MHz DCS/LTE	< 1,5	< 1,3
1900MHz PCS/LTE	< 1,3	< 1,2
2100MHz 3G/WCDMA	< 1,4	< 1,2
2400MHz WLAN	< 1,5	< 1,3
2600MHz LTE	< 1,4	< 1,5
5850MHz WLAN	< 1,5	< 1,5

*(ground plane used in measurements 1 m<sup>2</sup>)*

### Antenna gain

1-5 dBi

### Powerhandling

Continuous total 250W

### Mounting

proTAC™ 4-bolt flange mount  
O-ring supplied for sealing  
optional flange mount to 1 ¼" -11TPI  
standard mount adaptor

### Connector

N-type female at bottom

### Environmental

Case IP68 shock proof  
Operating temp: -30° - +60°

### Material

Anodized Aluminium base  
(electrically conducting)  
Radome moulded plastic (ASA)

### Dimensions

Height: 120mm (with connector)  
Width: 90/140mm (radome/base plate)  
Weight: 600g

### ORDER CODE

**ANT5311:** proTAC 5311 Wireless GSM/4G/WLAN communications antenna

**ACCANT1001:** proTAC™ flange mount to 1 ¼" -11TPI pipe thread (inner thread), stainless steel (304)

**Delivery time:** From stock (with reservations)



Le spécialiste des équipements électroniques

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