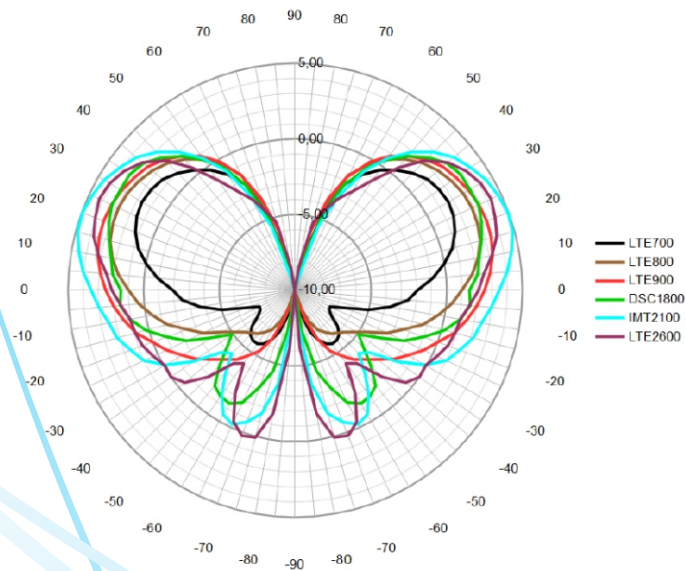


Why proTAC5311? - The best 4G connection at sea - 5G compatible!

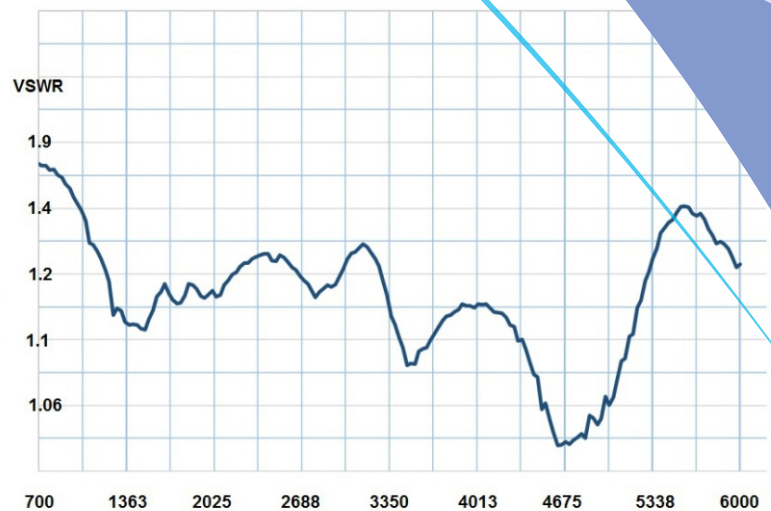
- **Unique radiating element design**, made from solid copper, **no lossy (resistive) elements**
- Provides nearly **100% radiation efficiency**
- Frequency range **600MHz to 6GHz**
- Covers all 2G, 3G and 4G frequencies used worldwide (GSM, GPRS, DCS, UMTS, WCDMA, LTE, WLAN) and is **5G compatible - universal, future-proof antenna**
- **5dBi total net gain** - without compromises
- **Longer range** than standard antennas, typical range **> 35km**



LTE/4G Communication bands

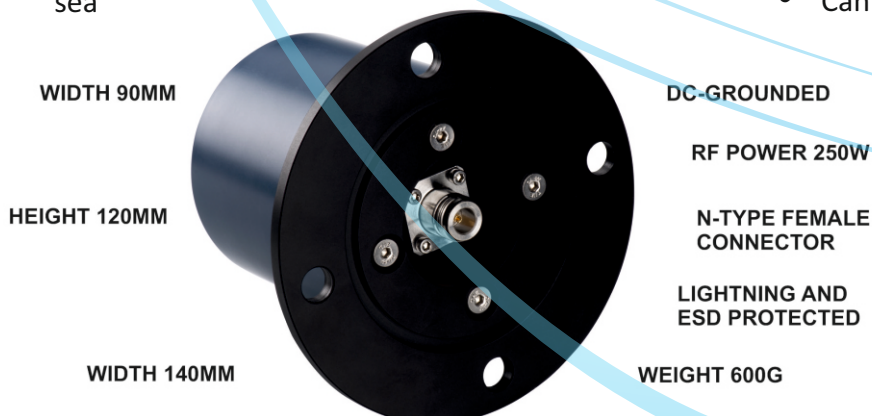


MiMo-operating mode (main / aux)



- **Fully omnidirectional**, ideal vertical radiation pattern making **4G connection stable** at sea
- Provides **stable connection** – good for critical ERP and VPN systems
- Robust, all-weather proof for harsh conditions at sea

- VSWR (Voltage Standing Wave Ratio) **less than 2** - **the smaller the VSWR the better the antenna** is matched to transmission line and the more power is delivered to antenna
- Huge **cost savings** in satellite based data
- Can be custom painted



Le spécialiste des équipements électroniques

Zac de la plaine - 1, rue Brindejonc des Moulinais
31500 TOULOUSE
Tél : +33 (0)5 67 77 94 44
info@pst-france.fr - www.pst-france.fr

proTAC 5311 Mounting options

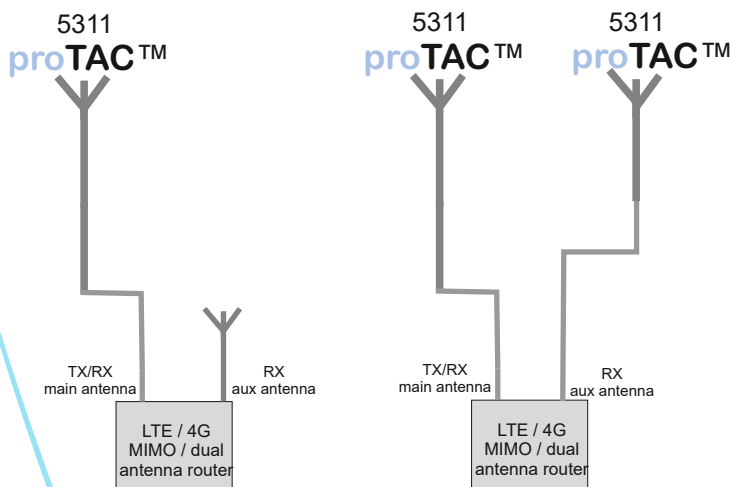


Available also in white color



proTAC 5311 Installation

LTE / 4G installation



1 x proTAC5311 installation
LTE main proTAC5311
LTE aux router's antenna

2 x proTAC5311 installation
LTE main proTAC5311
LTE aux proTAC5311

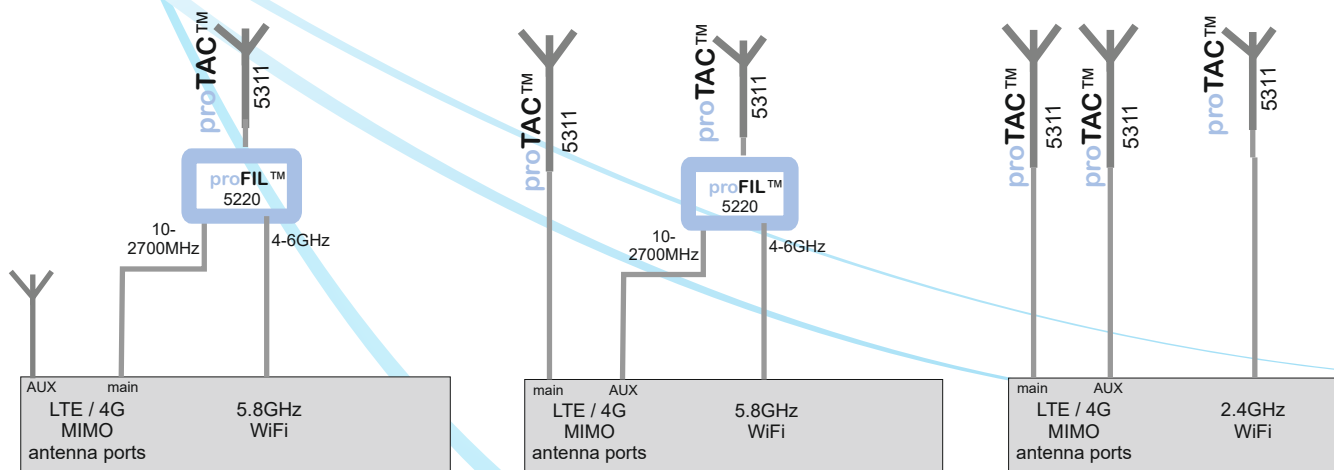
MIMO - Multiple-Input / Multiple - Output Technology

Antenna diversity uses two or more antennas to improve the quality and reliability of a wireless link. Depending on the network and conditions, two antennas can be used to receive the same signal in order to

- **combine their powers** (stronger signal, greater range)
- **provide error correction** (greater range)
- **combine several data streams** to maximize the throughput

The recommended minimum distance between two antennas is 1,5m in order to benefit of MiMo technology.

LTE / WiFi installation



1 x proTAC5311 installation with splitter proFIL5220
LTE main / 5.8GHz WiFi proTAC5311
LTE aux router's antenna

2 x proTAC5311 installation with splitter proFIL5220
LTE main proTAC5311
LTE aux / 5.8GHz WiFi proTAC5311

3 x proTAC5311 installation
LTE main proTAC5311
LTE aux proTAC5311
2.4GHz WiFi proTAC5311



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