

promarine



Promarine

Combat proven C-UAS antennas

STAY PROTECTED

proTAC™



proTAC™ 5311, 5315

300MHz - 6GHz

Truly wideband antennas with extremely high power handling capability and 360° omnidirectional radiation efficiency. Seamless frequency coverage maximizes the performance of the RF jammers terminating the command link between the drone and its operator or blocking the GNSS navigation frequencies from the drone. In addition to the reliable C-UAS protection, Promarine's proTAC antennas can also be used against Radio Controlled IEDs.

Trusted at Sea – Proven in Defense



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HIGH EFFICIENCY WIDEBAND ANTENNAS FOR C-UAS USE

HIGHLIGHTS

- » proTAC5311 and proTAC5315 protect troops in vehicles or in operating bases from UAS and RCIED threats
- » Unique radiating element design, made from solid copper, no lossy (resistive) elements. It provides nearly 100% radiation efficiency compared to other antennas where radiation efficiency is typically only 20–80%.
- » High power handling capacity - up to 500W
- » High return loss minimizes reflected power, protecting the jammer
- » Truly wideband - covers seamlessly all 2G, 3G, 4G, and 5G, as well as WiFi and GNSS bands worldwide within their frequency range of 600MHz–6GHz (proTAC5311) and 380MHz–3GHz (proTAC5315) and beyond, without compromises.
- » Fully omnidirectional with ideal vertical radiation pattern.
- » Very robust, all-weather proof for harsh conditions on land and at sea.
- » Future proof, Made in Finland



proTAC™ 5311



proTAC™ 5315

Promarine's combat proven C-UAS antennas, together with chosen RF jammers, create a protective bubble around your troops, bases and other high value assets

Model	proTAC 5311	proTAC 5315
Electrical Specifications (TA=25°C)		
Frequency range	600MHz-6GHz	300MHz-3GHz <i>(even down to 250MHz depending on the ground plane)</i>
Antenna Gain	up to 7dBi total net gain	
VSWR	<2.0	
Impedance	50 Ohm	
Polarisation	Vertical	
Horizontal Radiation Pattern	Omnidirectional 360°	
Power handling	Up to 500W	
Static discharge / Lightning protection	DC grounded	
Connector	N-female	
Mechanical and Environmental properties (TA=25°C)		
Dimensions:	Height: 116 mm	240mm
	Width: 90/140mm (radome / base plate)	
	Weight: 0,6kg	1kg
Material and mounting	Plastic radome ASA (proTAC 5311) or ABS (proTAC 5315), aluminium base. 140mm flange mount (NATO mount) with 4x11mm holes DCD 115mm	
Ingress protection	IP68 with O-ring / IP66 without O-ring	
Wind rating	55 m/s	
Operational temperature continuous	-40° - +85° C	
Color	Standard color: RAL5000 Blue radome, black base. Custom colors available	