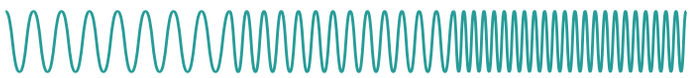
ALARIS ANTENNAS

Eletronic Attack Applications

The Importance of Electronic Attack in Modern Electronic Warfare

Standoff jamming, also called electronic attack or high-power ECM, is a crucial element of modern electronic warfare. Unlike “stand-in” systems that operate inside heavily contested areas, standoff systems are employed from a safer distance to shape the electromagnetic environment before friendly forces enter a contested zone. That distance buys survivability, flexibility and the ability to reuse assets across multiple missions.

1 MHz — 8 GHz



Wide Bandwidth Coverage

EA operations target multiple RF threat systems simultaneously across broad frequency ranges. Our antennas handle high power whilst maintaining VSWR enabling flexible responses to evolving threat environments.

Multi-platforms

With a wide range of designs, our antennas can be deployed on-the-move, on-the-halt, on vehicles, masts, aircrafts, ships and submarines.

What this mean for YOUR MISSION

Electronic attack is only effective when your antennas perform exactly as required, every time. Our EA antenna solutions translate technical performance into operational advantage, giving you the range, power, and reliability needed to shape the electromagnetic battlespace from standoff distances.

1 Mission Flexibility

Wide bandwidth and high power handling mean your platforms can respond to emerging threats without antenna changes, maintaining operational tempo across diverse mission profiles.

2 Crew Survivability

Reliable standoff performance keeps your operators outside high-threat areas while still delivering effects deep into contested zones, reducing risk while maintaining electromagnetic dominance.

3 System Integration

Our antennas integrate cleanly with existing jamming systems and operate alongside ISR, comms, and navigation equipment without interference, enabling true coordinated effects across the electromagnetic spectrum.

Scan for more info

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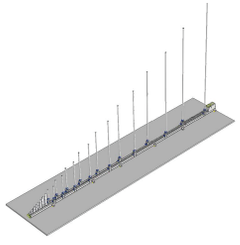
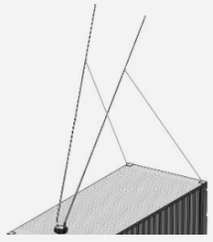
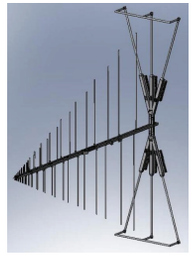
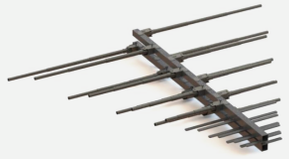
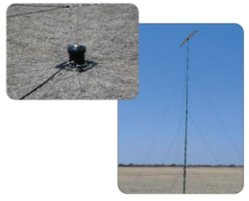
Form Factor						
Product code	**OMNI-A0300**	**LPMA-A0016**	**MONO-A0025**	**LPDA-A0036**	**LPDA-A0158**	**TW-A0003**
Frequency Range	1 - 30 MHz	30 - 512 MHz	1 – 30 MHz	20 - 3000 MHz	30 – 512 MHz 100 – 512 MHz	1.5 – 30 MHz
Polarisation	Linear (vertical / horizontal)	Vertical	Vertical	Adjustable (vertical or horizontal)	Adjustable (vertical or horizontal)	Vertical
Gain	N/A	5 dBi (80% of band)	N/A	6 dBi typical	5–6.5 dBi	-12 to +8 dBi (0–30 MHz) *Frequency dependant
Power	2.5 kW CW	Consumption: 200W	Feed power: 1000W	Feed Power: 1000W	Feed Power: 1000W	10 kW
VSWR	< 2.6:1	< 2.5:1 (80% of band)	< 3:1	< 3.0:1 over 95% of the band	< 2.5:1	< 2.5:1
Mass (kg)	Antenna: 350kg Accessories: 60kg	< 150 kg	< 30 kg	20 kg Isolating pole: 12kg	< 28 kg excluding isolating pole < 43 kg including isolating pole	N/A
Operating Temp.	- 30 °C to + 51 °C	-40 °C to 65 °C	-40 °C to +70 °C	-31 °C to +55 °C	-35 °C to 71 °C	-30 °C - +70 °C
Dimensions	4.2 m x 0.62 m x 0.5 m (l x w x h)	4700mm x 1600mm x 2700mm (l x w x h)	6000 mm x 330 mm (l x d of base)	2882 mm x 2804 mm x 829 mm (l x w x h)	4810 mm x 182 mm x 5350 mm (l x w x h)	100 m x 2 m x 10 m high (deployed)
More info						