



## SPECIFICATIONS:

| <b>Electrical:</b>        |                             |
|---------------------------|-----------------------------|
| Frequency range           | 800 MHz - 3 GHz             |
| VSWR                      | < 2.5:1                     |
| Nominal input impedance   | 50 $\Omega$                 |
| Connector                 | N-Type female               |
| Feed power handling       | 100 W                       |
| Gain (max over the band)  | 21.5 dBi (see graph)        |
| Gain (min over the band)  | 9.5 dBi (see graph)         |
| E-plane 3dB beamwidth     | < 25°                       |
| H-plane 3dB beamwidth     | < 20°                       |
| <b>Mechanical:</b>        |                             |
| Dimensions (w x h x l)    | 910 mm x 710 mm x 450 mm    |
| Weight                    | 6 kg                        |
| <b>Environmental:</b>     |                             |
| Wind survival             | 160 km/h                    |
| Temperature (operational) | -30° C to +70° C            |
| Vibration                 | MIL-STD-820F Type 1         |
| Shock                     | 20 G for 10 ms              |
| Thermal Shock             | -31° C to +71° C: 10 cycles |
| Water Ingress Rating      | MIL-STD-820F (506.4)        |

## PRODUCT FEATURES

- Wideband
- 100 W continuous power handling
- Reduced wind loading
- Gain 17 dBi average over the operating band.
- High directivity

## APPLICATIONS

- Jamming Radio Controlled Improvised Explosive Devices (RCIED).
- Stand-off ordinance disposal

## PRODUCT DESCRIPTION:

The GRID-A0004-02 is a High Gain Reflector Antenna that has been designed for transmitters used to suppress radio-controlled improvised explosive devices (RCIEDs) signals and convoy protection.

Polarization is adjustable between vertical and horizontal via the mounting bracket.

# High Gain Jamming / Communications Antenna

800 MHz - 3 GHz

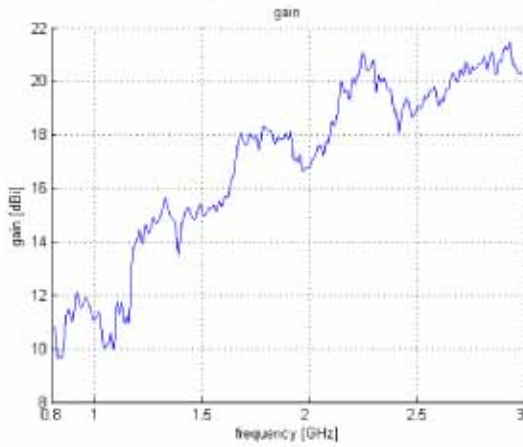
Product Code: GRID-A0004-02

PRODUCT STATUS: COTS

VERSION: 1.0

## GAIN AND VSWR GRAPHS

### SIMULATED GAIN (dBi In Free Space)



### VSWR

