

## Tactical Tri-Band GSM Antenna

GSM 850 (869 – 894 MHz)

GSM 1800 (1805 – 1880 MHz)

GSM 1900 (1930 -1990 MHz)

Product Code: OMNI-A0119



### SPECIFICATIONS:

<b>Electrical:</b>	
Frequency range	869 – 894 MHz (GSM 850) 1805 – 1880 MHz (GSM 1800) 1930 – 1990 MHz (GSM 1900)
VSWR	< 2.5:1
Nominal input impedance	50 Ω
Connector	N-type male
Feed power handling	50 W
Gain (typical)	4 dBi (GSM 850) 5.5 dBi (GSM 1800) 5.5 dBi (GSM 1900)
H-plane 3 dB beamwidth	360°
Polarisation	Vertical
<b>Mechanical:</b>	
Dimensions (l x d)	600 mm x 40 mm
Weight	450 g
Mounting method	N-type male
<b>Environmental:</b>	
Wind survival	160 km/h
Temperature (operational)	- 20 °C to +70 °C
Water ingress rating	IP 65 (NEMA 4X)

### PRODUCT FEATURES:

- 50 W continuous power handling
- Gain over 5 dBi (1805 to 1990 MHz)
- Self-contained balanced antenna, no ground-plane required
- Spring-mounted whip
- Omni-directional H-plane (azimuth) pattern

### APPLICATIONS:

- RCIED signal suppression
- VIP protection
- Convoy protection

### PRODUCT DESCRIPTION:

The OMNI-A0119 is a tri-band omni-directional GSM Antenna that has been designed to be used in high-powered transmit applications to suppress signals in applications like convoy protection and for RCIED. The design of this antenna allows it to bend up to 70°.

The OMNI-A0119 has an omni-directional azimuth pattern with a low level of ripple to ensure all-round protection and an elevation pattern that shows no pattern break-up. This antenna is rated for 50 W indefinite continuous duty power handling.

### RELATED PRODUCTS:

Poynting also manufactures a vehicle mount version of this antenna, the OMNI-A0115.

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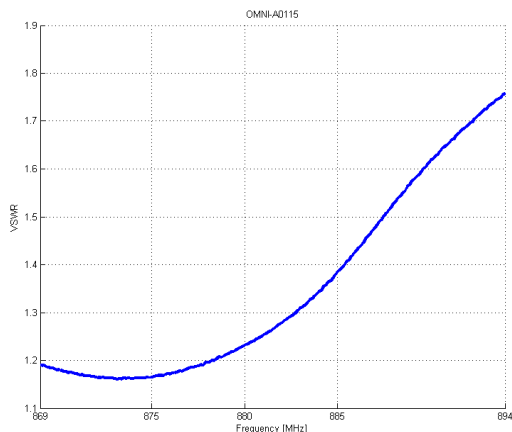
GSM 1900 (1930 -1990 MHz)

Product Code: OMNI-A0119

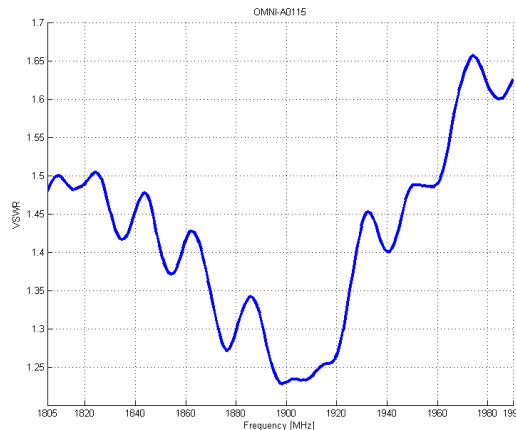
VERSION: 1.1

VSWR:

## GSM 850

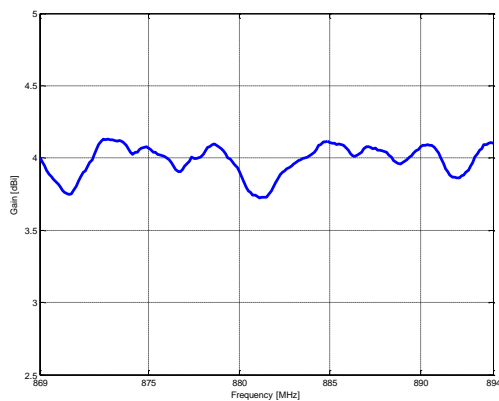


## GSM 1800/1900



GAIN (dBi in free space):

## GSM 850



## GSM 1800/1900

