

SIAMnet™ Antenna



SIAMNET ANTENNA FOR 800 MHZ

HIGHLIGHTS

- The 800 MHz band propagates better than VHF or UHF in confined spaces
- Supports analog or digital two-way voice and mobile data technologies
- Ensures uninterrupted transmissions in mine tunnels
- Outperforms a 3 dB whip in many applications
- Maximizes antenna performance
- Prevent corrosion due to acid drainage
- Maintain the antenna in a vertical position for best performance at all times
- Non obstructive in low height tunnels

FEATURES

- 800 MHz LMR band
- Bandwidth: 806–869 MHz
- True Field Diversity design
- Stainless steel ground plane
- Stainless steel support wires
- Omni-directional
- Low profile

APPLICATIONS

- Wireless vehicular communication systems for dispatch, monitoring and production control
 - Underground mines
 - Railway tunnels
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TECHNICAL DATA AND SPECIFICATIONS

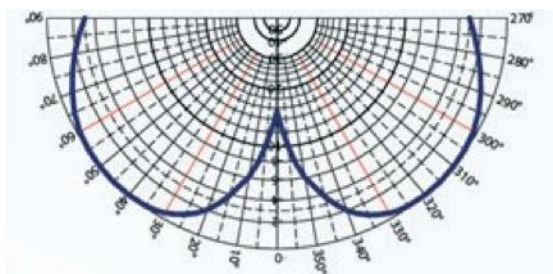
ELECTRICAL DATA

VSWR	<2:1
Nom. gain	3dB-M.E.G.
Maximum Power	100 W
Nominal Impedance	75 Ohm
Polarization	Vertical
Pattern	Omnidirectional
Coaxial Cable Length & Type	1 m, RG59
Termination	F female

MECHANICAL DATA

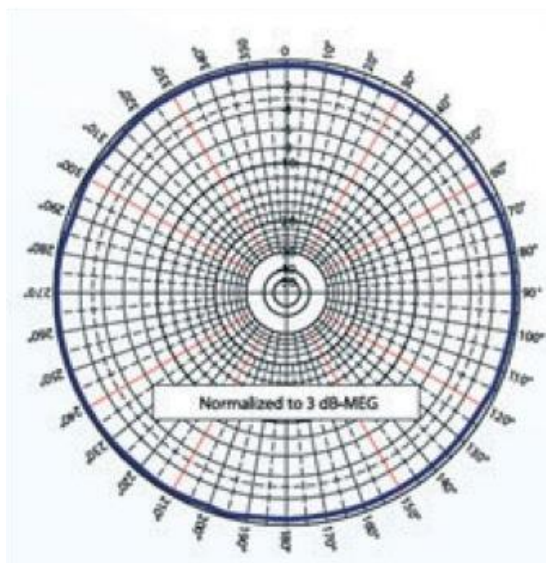
Dimensions	12" x 8" x 3.7"
Weight	2.2 lbs/1 kg

Normalized to 3dB-MEG



As seen from the tunnel ceiling

Excluding installation wires



Azimuth pattern

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9A06-S-ANT-A001

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