

FM-SHARK-14



Fluidmesh is
now part of Cisco.

Dual Slant antenna for Train To Ground communication

FEATURES

- Low Profile Dual Slant 45° Directional Rail Antenna, 5 GHz
- Designed to meet EN50155 requirements
- Space efficient dual feed design, requires single antenna to cover both polarizations
- High efficiency radiator for minimal insertion losses
- Designed for on or off-ground plane performance
- Minimal performance delta between ports
- Excellent pattern symmetry between each port
- Beamwidth and gain easily tailored to evolving system requirements
- High Front-to-Back Ratio for improved system performance



RAIL CERTIFICATION

Meets EN50155 requirements

ELECTRICAL SPECIFICATIONS

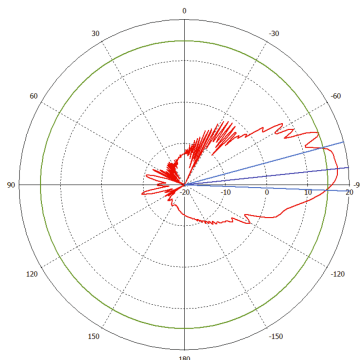
Nominal Impedance	50 ohms
Polarization	Dual Slant 45°
Bandwidth	4.9-5.9 GHz
Gain	13-14 zv dBi*
VSWR	< 2.0: 1

ELECTRICAL SPECIFICATIONS

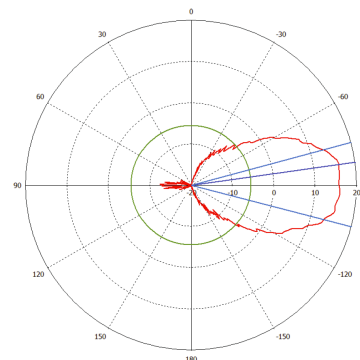
Free Space, Non-Metallic Ground Plane	H-Plane Beamwidth	39°
	E-Plane Beamwidth	31°
Ground Plane Mounted Performance	H-Plane Beamwidth	40°
	E-Plane Beamwidth	29°
	Front-to-Back Ratio	>25 dB

MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	9.84 x 6.6 x 3.77 inches (250 x 170 x 95.76 mm)
Weight	5 lbs (2.27 kg)
Connector Options	QMA Female (2 each)



ELEVATION PATTERN



AZIMUTH PATTERN

NOTE: Radiation patterns reflect ground mounting.

* Depending on the installation and metal plane dimension



FLUIDMESH
NETWORKS

HEADQUARTERS.
81 PROSPECT ST.
BROOKLYN
NY, 11201 - USA

TELEPHONE.
+1.617.209.6080
FAX.
+1.866.458.1522

EMAIL.
INFO@FLUIDMESH.COM
WEB.
FLUIDMESH.COM