



**L3HARRIS™**  
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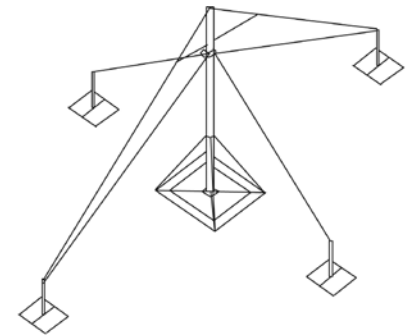
## RF-1950-AT001

### 1 kW Inverted Vee Dipole Antenna

ELECTRICAL	
Frequency Range	2–30 MHz (requires antenna coupler)
RF Power Capacity	1000 Watts PEP or average
Input Impedance	Compatible with RF-2601 and RF-382 Antenna Couplers
Gain	4–8 dBi (function of mounting)
Radiation Patterns	Elevation 2–12 MHz single-lobed 13–30 MHz multi-lobed Azimuth 2–12 MHz omnidirectional 13–30 “figure 8” broadside
Polarization	Horizontal

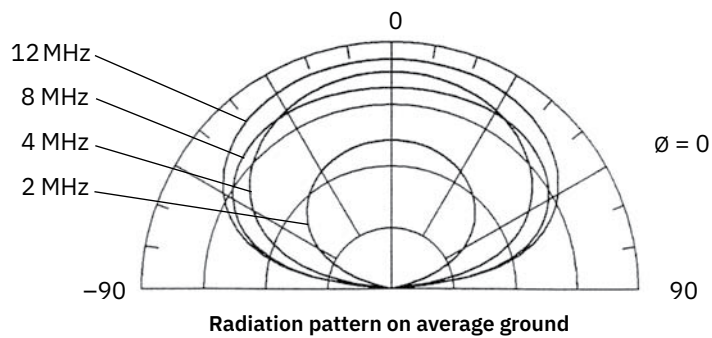
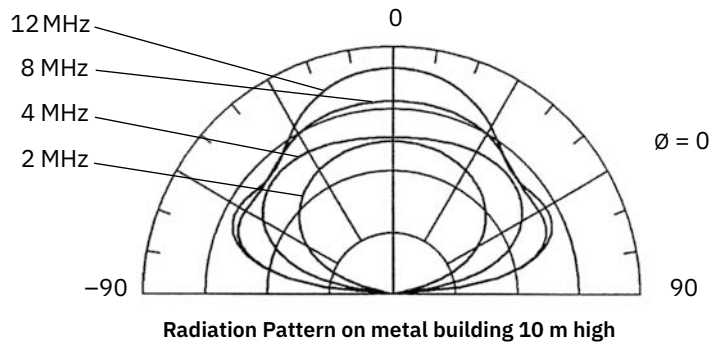
  

PHYSICAL	
Dimensions	Length: 10–15 m Width: 2–10 m Height: 9.2 m
Input Connector	Compatible with antenna coupler
Installation Time	60 minutes, 2 people



The L3Harris RF-1950 is a horizontal polarized antenna for Near Vertical Incident Skywave (NVIS) and medium range coverage. Engineered for rooftop deployment, the antenna’s elements are supported by a galvanized 7 by 7-foot steel base and a 30-foot fiberglass mast. Four galvanized bases allow use of up to four guy lines without any perforation through a vehicle’s roof top. The RF-1950 provides high-angle frequencies. The combination of direct and rooftop reflected wave delivers omnidirectional high-radiation angle coverage for ranges up to 500 km and highly reliable NVIS. Above 12 MHz, the antenna’s directional radiation pattern supports broadside communications up to 2000 km.

## RF-1950 RADIATION PATTERNS



Specifications are subject to change without notice.

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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