



GROUND MAT LINEAR POLARISED UHF ANTENNA

Overview

The SlimLine Antenna Mat is an ultra-low profile ground mat antenna. Its total thickness is just 12 mm. Two versions are available, one for the (ETSI) 864 MHz – 869 MHz band and one for the US (FCC) 902 MHz – 928 MHz band.

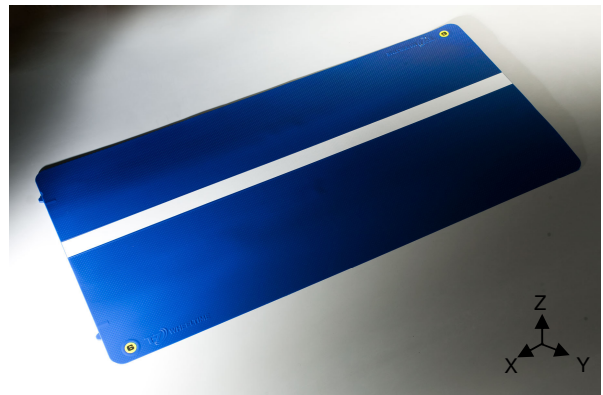
Applications

- Rugged, durable design suitable for sports timing applications or situations requiring a very low profile antenna.



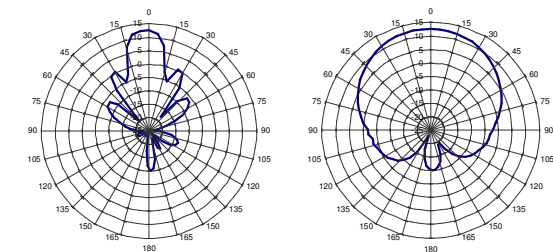
Mechanical/Environmental Specifications

- Moulded polyurethane housing
- Non-slip surface
- Beveled lead-in edges
- Interlocking tabs and straps
- Individually numbered
- IP rating: IP66
- Dimensions: L: 1220mm W: 600mm H: 12mm
- RF connector: TNC RP female is standard
- Cable length: Tail is 1.9m+
- Cable Tray: 7 cables
- Operation and storage temperatures: 0°C to + 50°C, - 30°C to + 60°C



Electrical Specifications

- Polarisation: Linear
- Farfield gain: 10 dBi
- Farfield 3dB beamwidth: 70° in XZ and 25° YZ planes
- Front to back ratio: 20dB
- VSWR across frequency band of operation <1.8:1
- Impedance: 50 Ω
- Anti-static protection
- Maximum power 6W conductive



XZ plane YZ plane
E-field elevation and azimuth patterns



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