

# LINEAR POLARISED GROUND ANTENNA

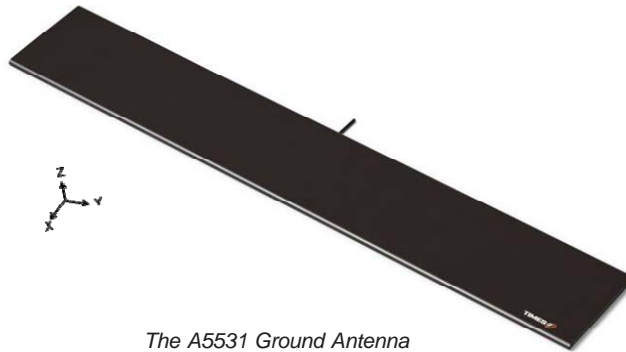
## SlimLine - A5531

### ABOUT TIMES-7

Pushing the boundaries of RFID technology worldwide Times-7 are leaders in RFID antenna design and manufacture. Our patented award winning UHF antennas meet the needs of virtually any industry application; providing customers with fast accurate tracking of products, assets & people; empowering organizations to transform processes & reduce costs.

Our SlimLine range of antennas are unique in the RFID industry; offering high levels of performance & durability in an aesthetically superior form.

Proven in a diverse & growing range of markets, applications include: retail & customer interaction, conference & people tracking, race timing, baggage handling, and logistic & supply chain asset management.



The A5531 Ground Antenna

Part of the Times-7 unique and exclusive range of ground antennas, the A5531 is a high performance ground antenna optimised for applications involving moving products, assets and people. From conference attendee & people tracking, retail presence aware / loyalty marketing, & race timing, the A5531 is ideal for situations where traditional side antennas are unsuitable or non-optimized for the application.

At just 10 mm / 0.4 in. thick, the durable, high performance A5531 is uniquely capable of lying flat on the ground and spans 1.2m / 4ft, and can withstand payloads of over 200 kg (440 lbs.).

## Specifications

### Physical / Environmental Specifications

Dimensions (LxWxD):	1200 mm x 195 mm x 10 mm 48 in. x 7.7 in. x 0.4 in.
Weight:	2.7 kg / 5.9 lbs.
Radome Material:	Fire retardant Kydex
Environmental Rating:	IP53
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F
Connector type / position:	SMA female mid-point fly lead (300 mm / 1 ft.)
Cable:	2m SMA to RPTNC (included)

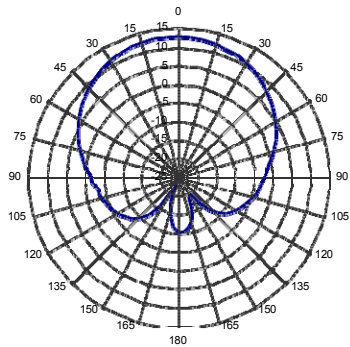
### Electrical Specifications

Frequency Range:	864 – 869 MHz / 902 – 928 MHz
Polarisation:	Linear
Far-field Gain:	10dBi
Far-field 3dB beamwidth:	70° in XZ, 25° in YZ
Typical VSWR across frequency range:	< 1.8:1
Front to back ratio:	20dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

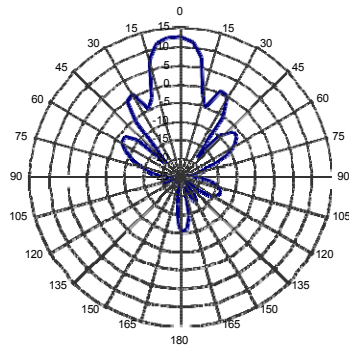
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## SlimLine - A5531

*E-field elevation & Azimuth Patterns*



XZ-plane



YZ-plane

**Ordering Information (please quote both product code & part no.)**

Product Code	Band	Part No.
A5531	ETSI 865-868 MHz	71103
A5531	FCC 902-928 MHz	71100
Cable 4m, SMA to RPTNC		71437
Cable 8m, SMA to RPTNC		71438

## Applications

- Event & Race Timing
- Conference Attendee / People Tracking
- Industrial Asset Tracking



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