LINEAR POLARIZED GROUND ANTENNA
SlimLine – A6590L

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 is 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.

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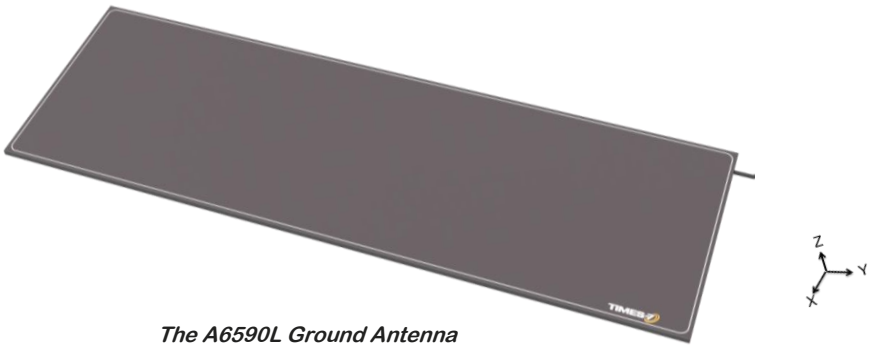

The A6590L Ground Antenna

Part of Times-7's exclusively unique range of ground antennas the A6590L is optimized for RFID deployments involving moving products, assets and people. From conference attendee & people tracking, retail presence aware / loyalty marketing, & race timing, the A6590L is ideal for situations where traditional side antennas are unsuitable or not optimzed for the application.

At just 8 mm / 0.3 in. thick, the durable, high performance A6590L is uniquely capable of lying flat on the ground within a doorway sized footprint, and can withstand payloads of over 200 kg (440 lb).

Ultra-low profile linear polarised UHF ground antenna

Just 8 mm / 0.3 in. thick

Typical applications:
Conference attendee & people tracking,
retail marketing,
race & event timing

Specifications

Physical / Environmental Specifications

Dimensions (L x W x D):	910 mm x 300 mm x 8 mm 3' x 1' x 0.3"
Weight:	2 kg / 4.4 lbs.
Radome Material:	Fire retardant ABS
Environmental Rating:	IP65
Operating / Storage Temperature:	-20° to +55°C / -30° to +65°C -4° to +131°F / -22° to +149°F
Connector type / position:	SMA female side fly lead (300 mm / 1 ft.) **or** 6ft / 2m cable to RP-TNC Plug

Electrical Specifications

Frequency Range:	864-868 MHz / 902-928 MHz
Polarization:	Linear
Far-field Gain:	10 dBi typical
Far-field 3 dB beamwidth:	72° in XZ, 23° in YZ
VSWR	1.4 typical
Front to back ratio:	20 dB
Nominal Impedance:	50 Ω
Anti-static protection:	Yes
Maximum Input Power:	6 W

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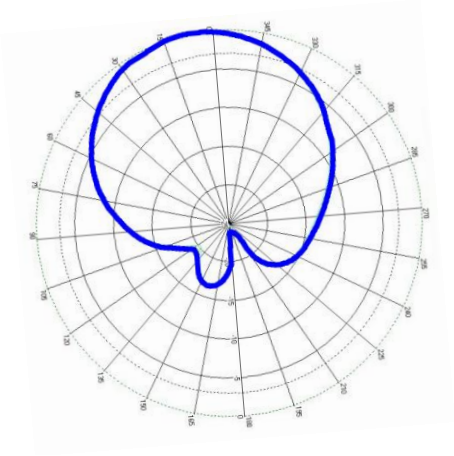
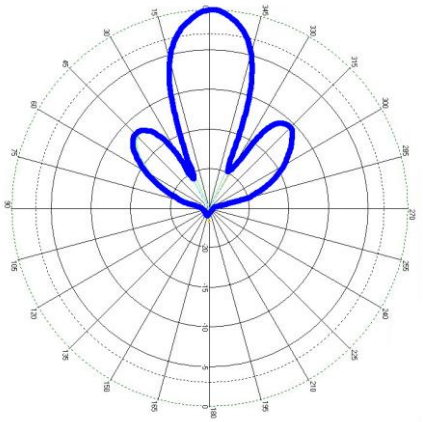
E-field elevation & Azimuth Patterns



XZ-plane



YZ-plane

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

Product Code	Band	Part No.
A6590L	ETSI 864-868 MHz	71234
A6590L	FCC 902-928 MHz	71211
Cable Accessories	**Cable Type**	**Part No.**
Cable 2 m, SMA to RPTNC	LMR 195 / 240 / 400	71436 / 71782 / 72042
Cable 4 m, SMA to RPTNC	LMR 240 / 400	71784 / 72043
Cable 6 m, SMA to RPTNC	LMR 240 / 400	71904 / 72044
Cable 8 m, SMA to RPTNC	LMR 240 / 400	71788 / 72045

Applications

- Conference Attendee / People Tracking
- Retail Presence Aware / Loyalty Based Marketing
- Race & Event Timing

OUR GLOBAL NETWORK

Constantly increasing market reach and influence in the global RFID industry, Times-7's international support spans The Americas, Europe, and Asia Pacific regions through our distributor, authorized reseller and integrated solutions provider network.

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