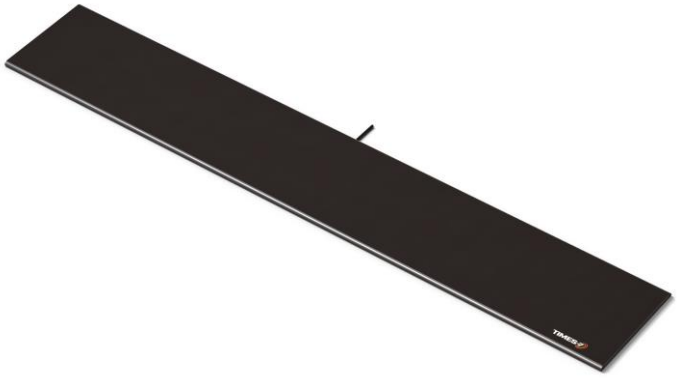
GROUND ANTENNA
SlimLine – A5531

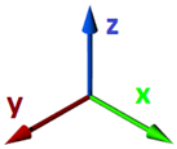
ABOUT TIMES-7

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 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.



The A5531 Ground Antenna



Ultra-low profile ground antenna

Just 10 mm / 0.4 in. thick

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

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-optimised 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.).

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T-7 ANTENNAS™

GROUND ANTENNA
SlimLine – A5531

Specifications

Physical / Environmental Specifications

Specifications	A5531C	A5531L	
		A5531V	A5531H
Dimensions (L x W x D):	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:	Molded polyurethane housing		
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 side fly lead (300 mm / 1 ft.)		
Adapter:	2m SMA to RPTNC (included)		

Electrical Specifications

Specifications	A5531C	A5531L	
		A5531V	A5531H
Frequency Range:	864-868 MHz / 902-928 MHz		
Polarization:	Circular	Vertical Linear	Horizontal Linear
Far-field Gain:	9.5 dBiC typical	10 dBi typical	10 dBi typical
Far-field 3 dB beamwidth:	85° in XZ, 13° in YZ	70° in XZ, 25° in YZ	85° in YZ, 13° in XZ
VSWR:	2 typical	1.8 typical	2.5 typical
Front to back ratio:	-18 dB	-20 dB	-18 dB
Nominal Impedance:	50 Ω		
Anti-static protection:	Yes		
Antenna Detection	10 k Ω		
Maximum Input Power:	3 W		

TIMES-7
INTELLIGENT TRACKING | SMART TECHNOLOGY

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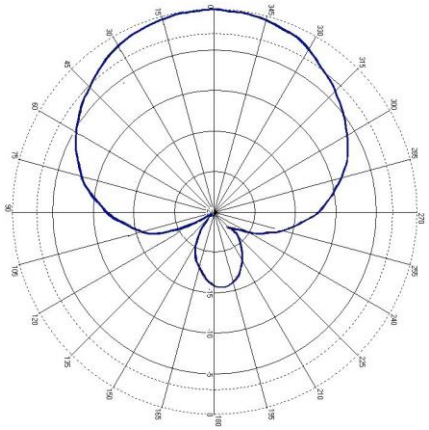
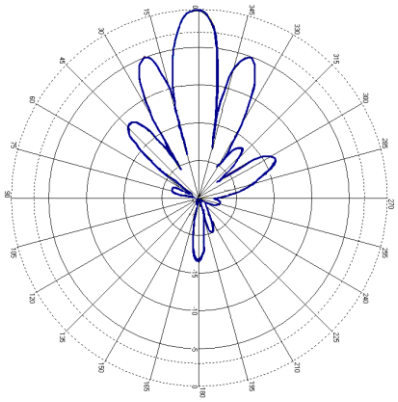
Electric Field Radiation Pattern

A5531C

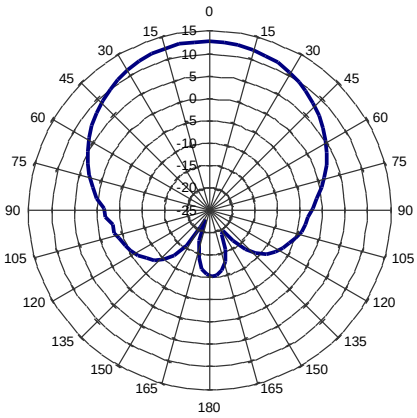


YZ-plane

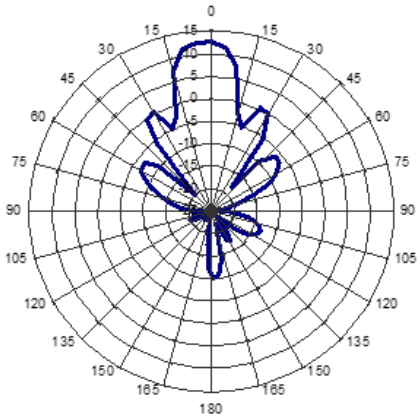


XZ-plane

A5531V

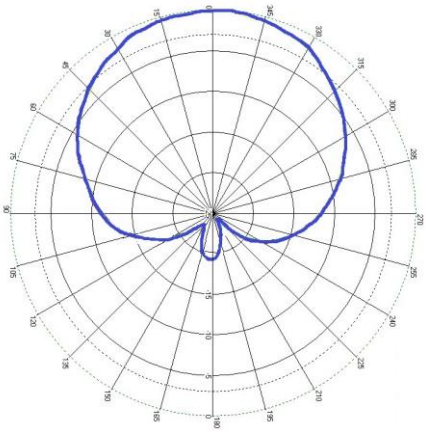


YZ-plane

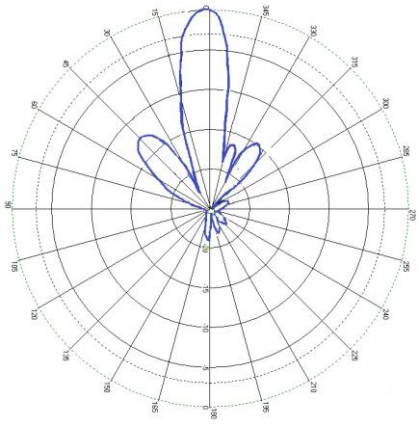


XZ-plane

A5531H



YZ-plane



XZ-plane

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Applications

Event & Race Timing

Conference Attendee / People Tracking

Industrial Asset Tracking

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.

Ordering Information

(please quote both product code & part no.)

Product Code	Band	Part No.
A5531C	ETSI 865-868 MHz	71846
	FCC 902-928 MHz	71741
A5531V	ETSI 865-868 MHz	71103
	FCC 902-928 MHz	71100
A5531H	ETSI 865-868 MHz	On request
	FCC 902-928 MHz	On request

Cable Accessories		Part No.
Cable 2 m, SMA to RPTNC	195 / 240	71436 / 71782
Cable 4 m, SMA to RPTNC	195 / 240	71437 / 71784
Cable 6 m, SMA to RPTNC	240	71904
Cable 8 m, SMA to RPTNC	195 / 240	71438 / 71788

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Datasheet v1.0