

GROUND MAT ANTENNA

SlimLine - A5530

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.

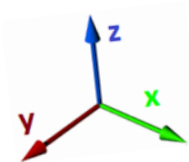
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The A5530 Ground Mat

Ultra-low profile ground mat antenna

Just 12 mm / 0.5 in. thick

IP66, robust design & superb aesthetics

Ideal for event / race timing applications

Part of Times-7's exclusively unique range of ground antennas the A5530 is a high performance ground mat antenna optimized for applications involving moving products, assets and people.

The A5530 is ideal for RFID deployments where an ultra-low profile, robust and weather resistant antenna is required.

At just 12 mm / 0.5 " thick, the durable A5530 has superb aesthetics, IP66 rating, and load bearing capabilities.

With increased versatility, flexibility and performance over traditional side antennas, the unique A5530 ground mat antenna is in a class of its own.

The mat antenna includes an SMB-SMA adapter for better protection and easy cable replacement.

The A5530 is available in both, circular and linear polarization.

Specifications

Physical / Environmental Specifications

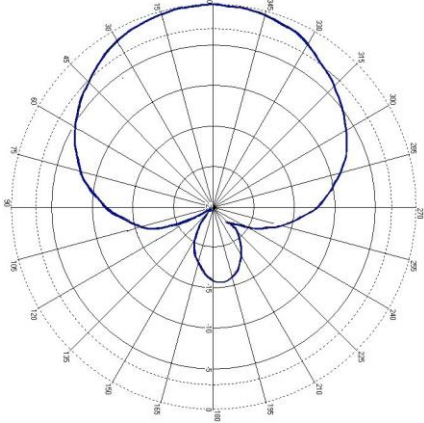
Specifications	A5530C	A5530L	
		A5530V	A5530H
Dimensions (L x W x D):	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'	1220 mm x 600 mm x 12 mm 4' x 2' x 0.5'
Weight:	8.4 kg / 18.5 lbs.	8.4 kg / 18.5 lbs.	8.4 kg / 18.5 lbs.
Radome Material:	Molded polyurethane housing	Molded polyurethane housing	Molded polyurethane housing
Environmental Rating:	IP66	IP66	IP66
Operating / Storage Temperature:	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F	0° to +50°C / -30° to +60°C 32° to +122°F / -22° to +140°F	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.)	SMA female side fly lead (300 mm / 1 ft.)	SMA female side fly lead (300 mm / 1 ft.)
Adapter:	SMA-SMB adapter	SMA-SMB adapter	SMA-SMB adapter

Electrical Specifications

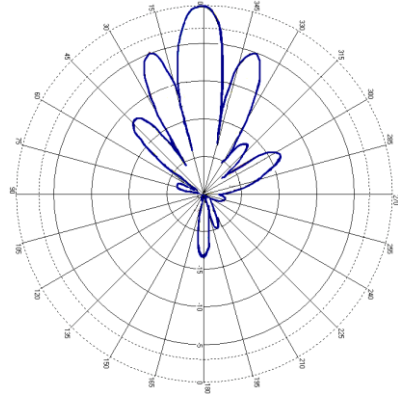
Specifications	A5530C	A5530L	
		A5530V	A5530H
Frequency Range:	864-868 MHz / 902-928 MHz	864-868 MHz / 902-928 MHz	864-868 MHz / 902-928 MHz
Polarization:	RHCP (Right Hand Circular Polarised)	Vertical Linear	Horizontal Linear
Far-field Gain:	9.5 dBiC typical	10 dBi typical	10 dBi typical
Far-field 3 dB beamwidth:	85° in YZ, 13° in XZ	70° in YZ, 25° in XZ	85° in XZ, 13° in YZ
VSWR:	2:1 typical	1.8 typical	2.5 typical
Front to back ratio:	-18 dB	-20 dB	-18 dB
Nominal Impedance:	50 Ω	50 Ω	50 Ω
Anti-static protection:	Yes, DC grounded	Yes, DC grounded	Yes, DC grounded
Maximum Input Power:	3 W	3 W	3 W
Antenna detection	10 K Ω resistance	10 K Ω resistance	10 K Ω resistance

Electric Field Radiation Pattern

A5530C

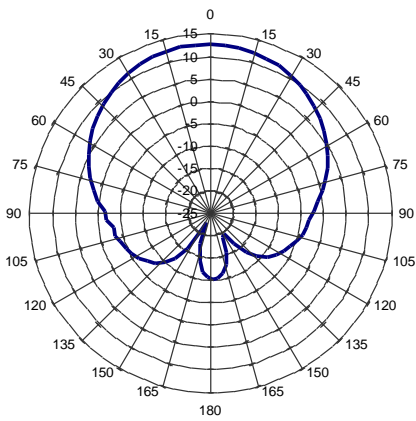


YZ-plane

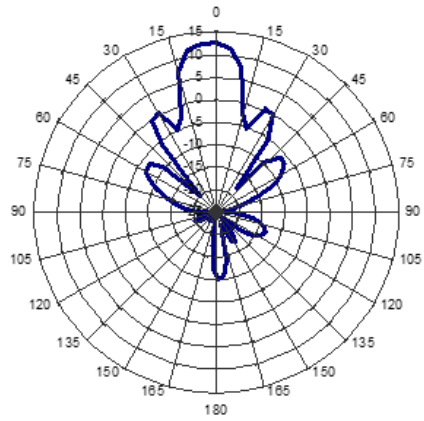


XZ-plane

A5530V

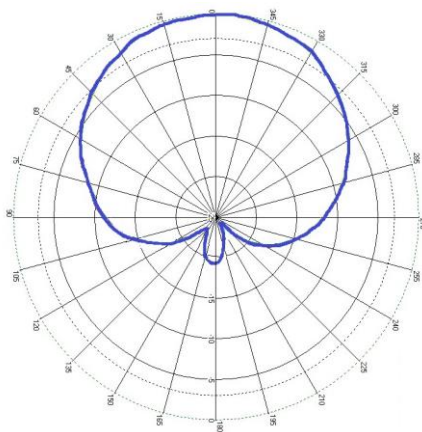


YZ-plane

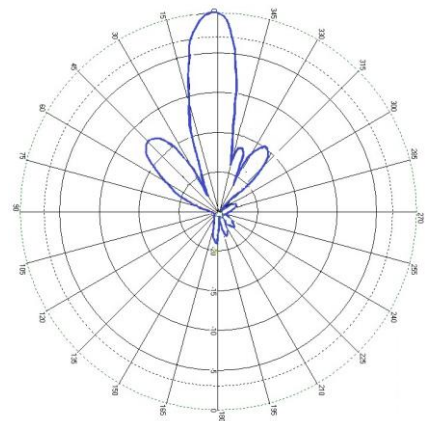


XZ-plane

A5530H



YZ-plane



XZ-plane

Applications



Event & Race Timing*

*Times-7 recommends the linearly polarised A5530 for Race Timing applications.



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.
A5530C	ETSI 865-868 MHz	71752
	FCC 902-928 MHz	71644
A5530V	ETSI 865-868 MHz	70887
	FCC 902-928 MHz	70890
A5530H	ETSI 865-868 MHz	72017
	FCC 902-928 MHz	72018

Cable Accessories		Part No.
Label Set for cable tray and mat ID		70745
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

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