A6015
Circularly Polarized Antenna

A6015 Circularly Polarized Antenna

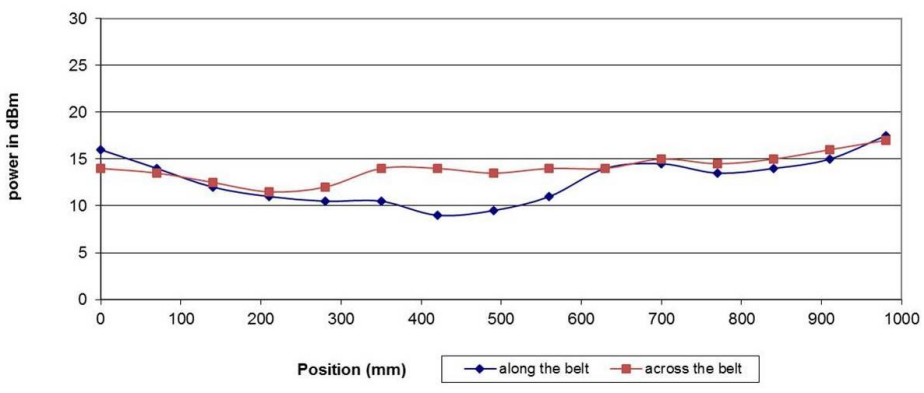
Part of the SlimLine range of airport antennas, the A6015 Circularly Polarized Antenna is a flat-panel antenna array specially suited for airport self-check-in baggage systems. Using UHF ActivBeam™ switching technology, the A6015 'searches' for RFID tags, maximizing read performance and ensuring that bag tags are never missed. Designed for quick and easy installation and measuring just 12mm (0.5 inches) in thickness. The A6015 accelerates the airport check-in process, improving operational efficiencies for baggage handling at airports—or any scenario where UHF RFID tag reading is crucial for tracking stationary assets.

Ordering Information

Note: Please quote product code, band, and part number

Antenna Product Code	Band	Part No.
A6015	ETSI 865-868 MHz	71419
A6015	FCC 902-928 MHz	71420

Power required to activate tag 500mm above the antenna



ABOUT TIMES-7

We are a high-tech company specializing in the design and manufacture of RAIN (UHF) RFID antennas.

Our journey began in 2006, when Times-7 was founded. Since then, we have developed the largest portfolio of fixed RAIN RFID reader antennas, which are famous for their quality and performance.

We are based in Lower Hutt, New Zealand, but our reach extends worldwide as we export our products through our authorized partner network.

In addition to our world-class products and in-depth expertise, our customers appreciate Times-7's customer service and technical support.

We are responsive in supporting a large global customer base and ensuring the success of our customer's implementations.

Times-7 Research Ltd
10 Te Puni Street
Lower Hutt 5012
New Zealand

NEW ZEALAND
P: +64 4 974 6566

USA/CANADA
P: +1 408 769 5025

E: sales@times-7.com

W: www.times-7.com

Patent Info: www.times-7.com/patents

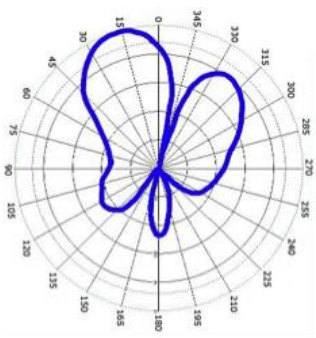
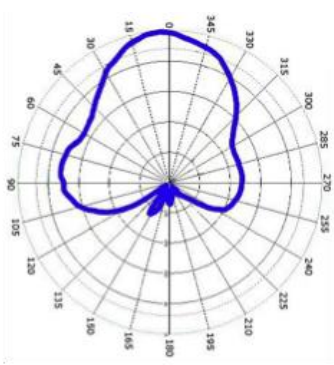
Physical / Environmental Specifications

Unboxed Dimensions: ***Length (x) x Width (y) x Depth (z)**	380 x 549 x 12mm 15 x 21.6 x 0.5 “
Weight:	2.6kg / 5.7lbs.
Radome Material:	3mm HDPE (High-Density Polyethylene)
Environmental Rating:	IP54
Operating and Storage Temperature:	0° to +50°C / -30° to +60°C +32F° to +122°F / -22° to +140°F
Mounting:	Affixed directly under the check-in bag drop
Connector Type (RF):	RP-SMA female side fly lead (2.2m / 7.2ft.)
Connector Type (dc):	M8 (2.2m / 7.2ft.)

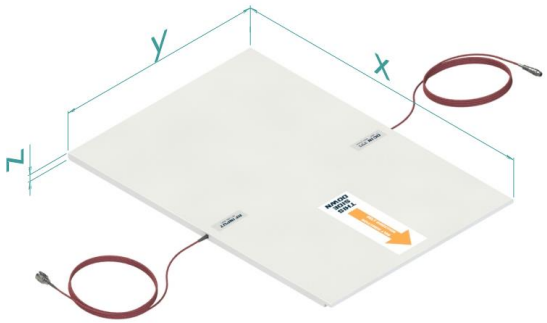
Electrical Specifications

Frequency Range:	865-868 MHz / 902-928 MHz
Polarisation:	Circular
Far-field Gain:	4dBiC
Typical VSWR Across Frequency Range:	< 1.8:1
Front-To-Back ratio:	>15dB
Read Zone Above Belt:	≤ 1500mm
Read Zone Across Belt:	≤ 1000mm
Nominal Impedance:	50Ω
Anti-static Protection:	Yes
DC Supply Voltage:	12 ~ 24 VDC @ 10mA max.
Maximum Input Power:	6W

Radiation Pattern

A6015 XZ Plane	A6015 YZ Plane
	

*Azimuth Planes



Applications

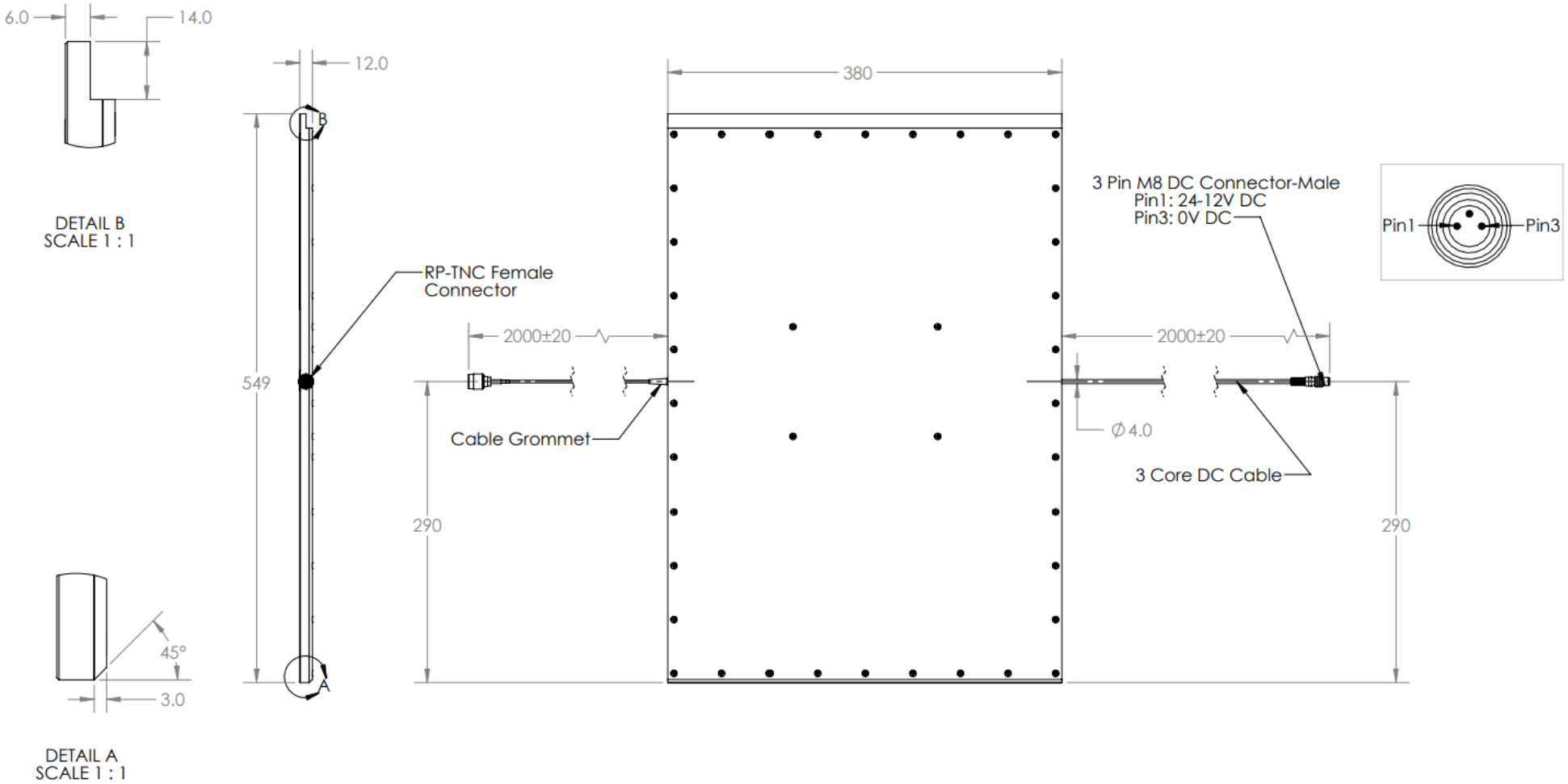
Airport Baggage Systems

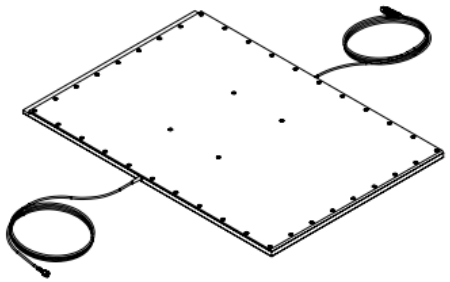
Equipped with UHF ActivBeam™ active beam switching technology, this antenna goes the extra mile to enhance read performance. It doesn't just read RFID tags; it actively 'searches' for them, ensuring that bag tags are never missed. This innovative approach to tag detection maximizes efficiency within airport baggage systems, making the A6015 a valuable asset for streamlining operations and ensuring smooth baggage processing.

Luggage Check-in and Stationary Assets

The A6015 is designed for quick and easy installation, accelerating airport check-in procedures and improving operational efficiency in baggage handling. Its versatility also makes it suitable for tracking stationary assets without fail in various scenarios.

Mechanical Drawing for the A6015 Circularly Polarized Antenna





DIMENSIONS ARE IN mm

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
NO DECIMAL PLACES ± 1
ONE PLACE DECIMAL ± 0.5

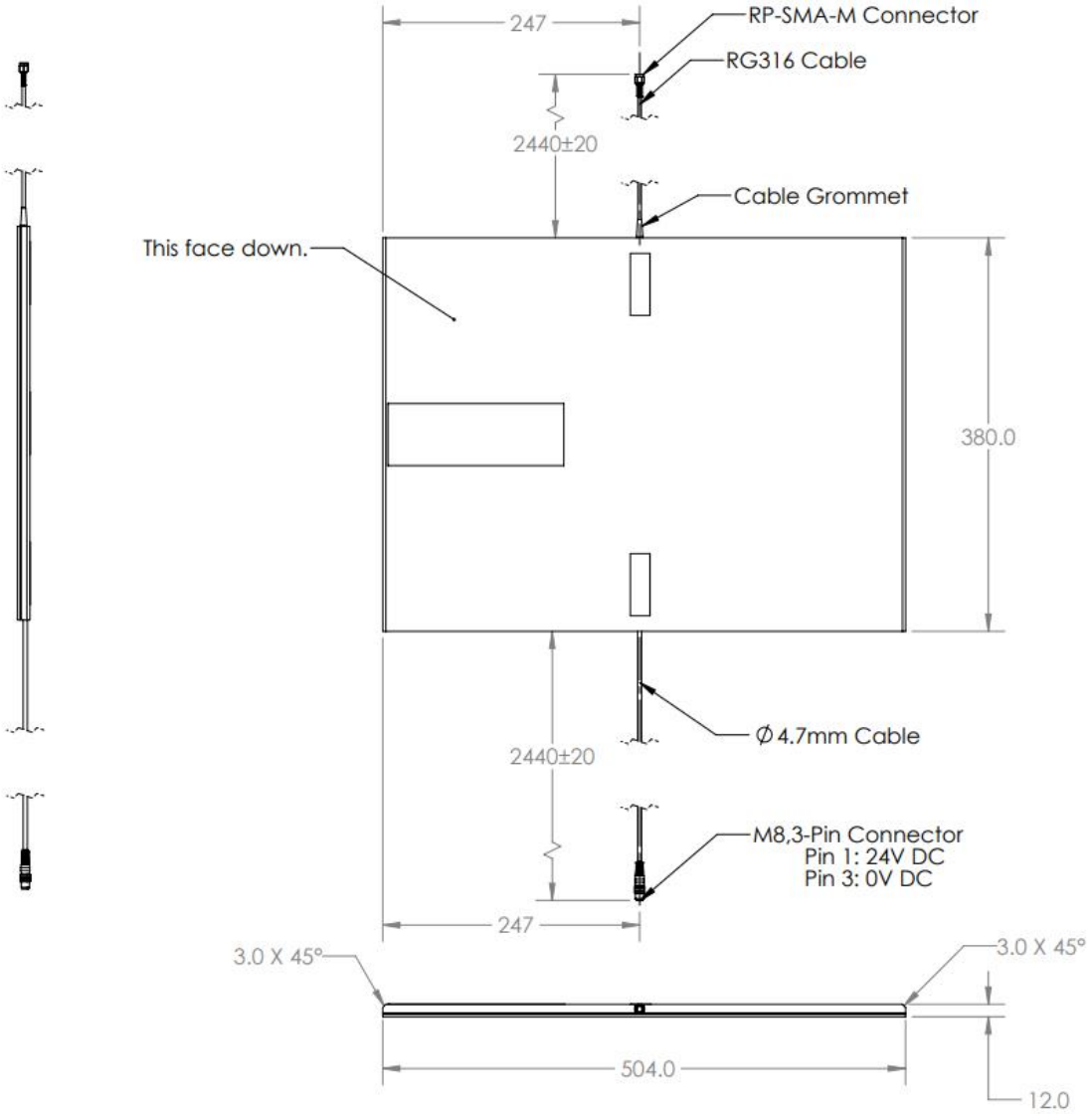
DRAWN: C Wilson	SIGNATURE	DATE: 27/08/2019
APPROVED: R Lopez	SIGNATURE	DATE: 27/08/2019

DESCRIPTION: A6015 Check-In Antenna

SIZE	PART NO.	REV
A3	71419(ETSI)/71420(FCC)	C

DO NOT SCALE DRAWING | SHEET 1 OF 1

Mechanical Drawing for the A6015 Circularly Polarized Antenna



DIMENSIONS ARE IN mm

UNLESS OTHERWISE SPECIFIED
TOLERANCES:
NO DECIMAL PLACES ± 1
ONE PLACE DECIMAL ± 0.5

DRAWN	SIGNATURE	DATE
C Wilson		14/08/2019
APPROVED	SIGNATURE	DATE
P Roling		14/08/2019

DESCRIPTION
A6015V2 Check-In Antenna
(ICM Form Factor)

SIZE	PART NO.	REV
A3	71600	B

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