

**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.

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Patent Info: [www.times-7.com/patents](http://www.times-7.com/patents)



A6015 Circularly Polarized Antenna

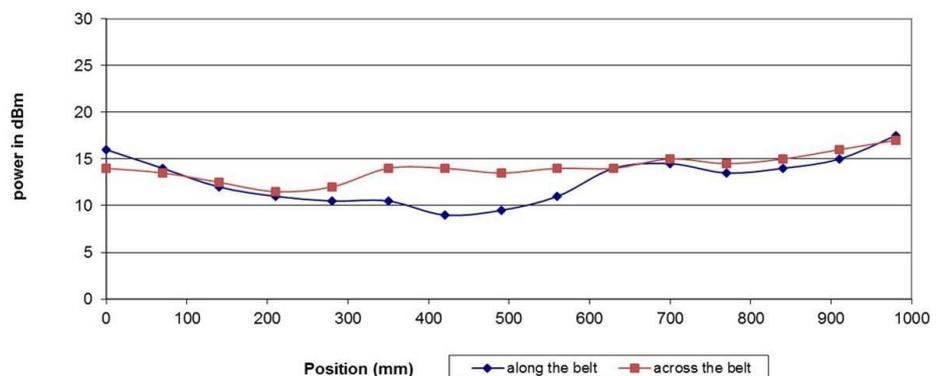
Part of the SlimLine range of airport antennas, the A6015 Circularly Polarized Antenna is a flat-panel antenna array specially suited for airport self-check-in baggage systems. Using UHF ActivBeam™ switching technology, the A6015 'searches' for RFID tags, maximizing read performance and ensuring that 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



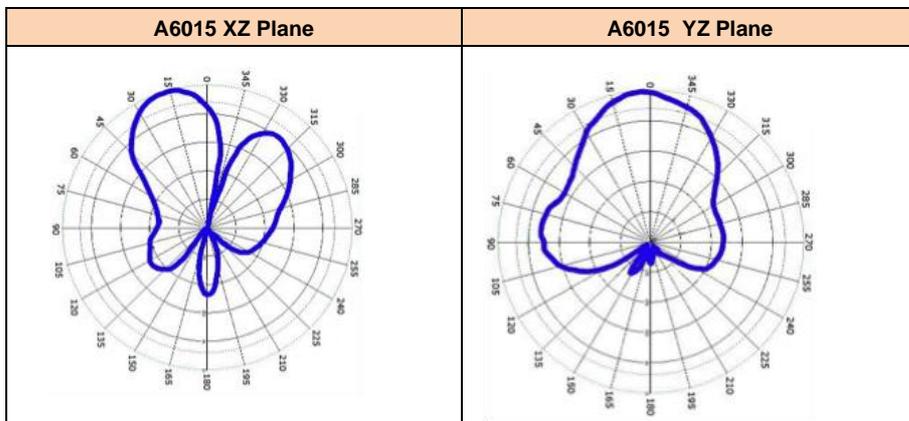
## Physical / Environmental Specifications

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

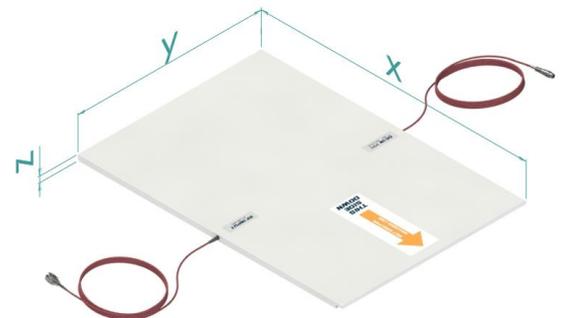
## Electrical Specifications

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

## Radiation Pattern



## \*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.

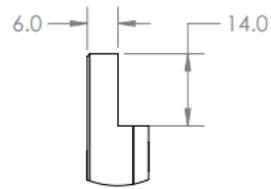


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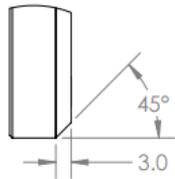
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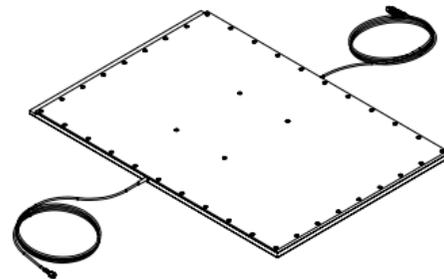
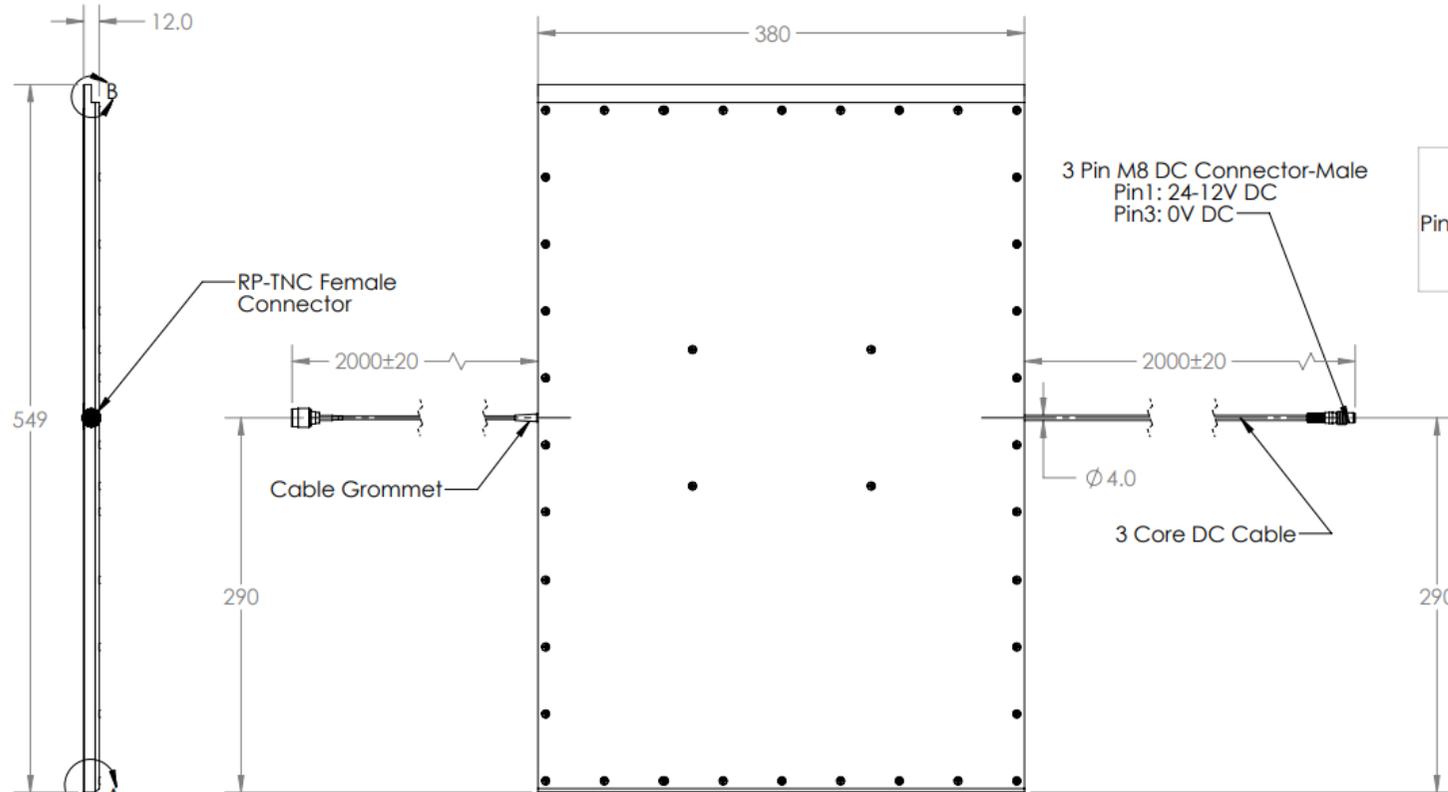
# Mechanical Drawing for the A6015 Circularly Polarized Antenna



DETAIL B  
SCALE 1 : 1

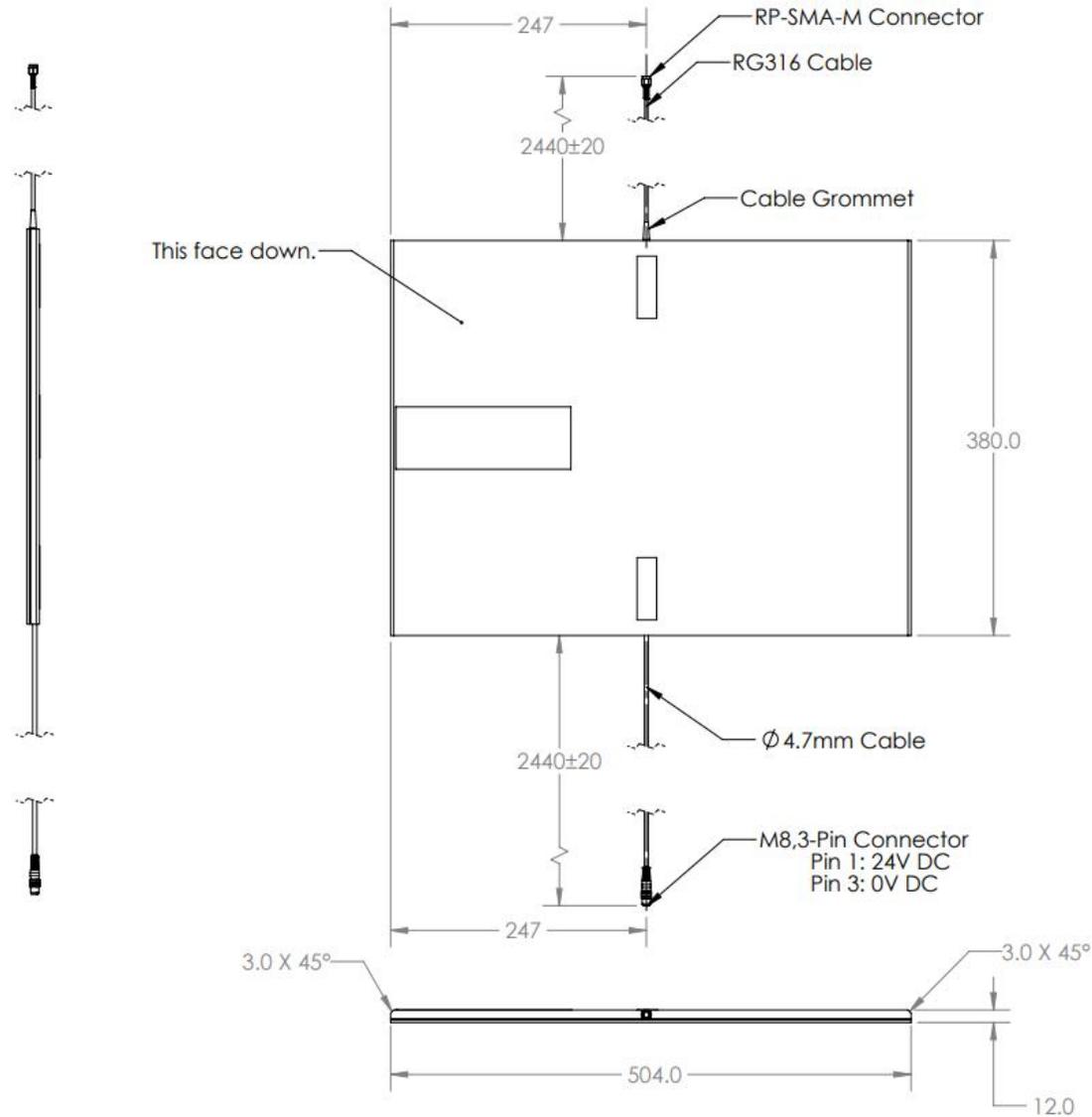


DETAIL A  
SCALE 1 : 1



<small>THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TIMES-7 LTD. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TIMES-7 IS PROHIBITED.</small>		<small>DIMENSIONS ARE IN mm</small> <small>UNLESS OTHERWISE SPECIFIED TOLERANCES:</small> <small>NO DECIMAL PLACES ± 1</small> <small>ONE PLACE DECIMAL ± 0.5</small>				DESCRIPTION <h3>A6015 Check-In Antenna</h3>	
DRAWN C Wilson	SIGNATURE 	DATE 27/08/2019	SIZE <b>A3</b>	PART NO. 71419(ETSI)/71420(FCC)	REV <b>C</b>	DO NOT SCALE DRAWING	
APPROVED R Lopez	SIGNATURE 	DATE 27/08/2019					SHEET 1 OF 1

# Mechanical Drawing for the A6015 Circularly Polarized Antenna



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DRAWN C Wilson	SIGNATURE 	DATE 14/08/2019	SIZE <b>A3</b>	PART NO. 71600	REV <b>B</b>		
APPROVED P Roling	SIGNATURE 	DATE 14/08/2019	DO NOT SCALE DRAWING		SHEET 1 OF 1		