



# ANT016015

## External FCC Antenna



### Overview

The TSL® ANT016015 is a high performance, right hand circularly polarised FCC Antenna, offering outstanding performance in a compact and robust form factor. The antenna offers a typical gain specification of 3.0 dBic and a 120° beam width. The antenna features a high-quality cable terminated in an MMCX connector. It has been designed for use with TSL's [RAIN RFID Reader Module Developer Kits](#), but can also be used within your own UHF RFID hardware projects.

### Electrical Specifications

Operating Frequency:	902 - 928 MHz
Polarisation:	Right-Hand Circular Polarisation
Gain:	3.0 dBic (typical)
Beam Width:	120 Degrees (typical)
Bandwidth (-13dB R.L.):	20 MHz (typical)
Axial Ratio:	<1.5 dB (typical)

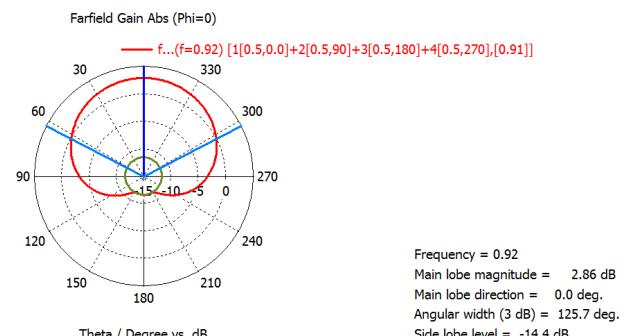
### Mechanical Specifications

Dimensions:	86 x 77 x 42 mm (3.4 x 3.0 x 1.7 in.)
Weight:	76 g (2.68 oz)
Connector Type:	MMCX

### Environmental Specifications

Operating Temp.:	-10°C to 50°C (14°F to 122°F).
Storage Temp.:	Less than 1 month at -20°C to +45°C (-4°F to 113°F). Less than 6 months at -20°C to +35°C (-4°F to 95°F).
Humidity:	5% to 85% non-condensing.

### Radiation Patterns



### Part Numbers

[ANT016015-FCC-MMCX](#)

3100 FCC Antenna with MMCX connector

### Warranty

The TSL® ANT016015 is warranted against manufacturing defects for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.

Full warranty information can be downloaded from the TSL® website at [www.tsl.com/warranty](http://www.tsl.com/warranty).

# ABOUT

## About TSL®



Technology Solutions UK Ltd (TSL®), part of HID Global, is a leading manufacturer of high performance mobile RFID readers used to identify and track products, assets, data or personnel.

For over two decades, TSL® has delivered innovative data capture solutions to Fortune 500 companies around the world using a global network of distributors and system integrators. Specialist in-house teams design all aspects of the finished products and software ecosystems, including electronics, firmware, application development tools, RF design and injection mould tooling.

TSL® is an ISO 9001:2015 certified company.



ISO 9001: 2015

## Contact

Address:	Technology Solutions (UK) Ltd, Suite A, Loughborough Technology Centre, Epinal Way, Loughborough, Leicestershire, LE11 3GE, United Kingdom.
Telephone:	+44 1509 238248
Fax:	+44 1509 214144
Email:	<a href="mailto:enquiries@tsl.com">enquiries@tsl.com</a>
Website:	<a href="http://www.tsl.com">www.tsl.com</a>

## About HID Global



**HID Global powers the trusted identities of the world's people, places and things.** We make it possible for people to transact safely, work productively and travel freely. Our trusted identity solutions give **people** convenient access to physical and digital **places** and connect **things** that can be identified, verified and tracked digitally. Millions of people around the world use HID products and services to navigate their everyday lives, and billions of things are connected through HID technology. We work with governments, educational institutions, hospitals, financial institutions, industrial businesses and some of the most innovative companies on the planet. Headquartered in Austin, Texas, HID Global has over 4,000 employees worldwide and operates international offices that support more than 100 countries. HID Global is an ASSA ABLOY Group brand.

For more information, visit [www.hidglobal.com](http://www.hidglobal.com).

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28<sup>th</sup> November 2023