

New Product Release  
31 August 2017

## **Antenova introduces Robusta - a very low profile GNSS antenna in a brand new patent design for metal surfaces - for tracking applications and Smart Cities**

**Hatfield, UK – 31<sup>st</sup> August 2017** - Antenova Ltd, manufacturer of antennas and RF antenna modules for M2M and the Internet of Things, is to launch Robusta part no. SR4G031, a new antenna for metal surfaces - at the GSMA MWC Americas show. The antenna operates in the 1559-1609 MHz bands and is designed for tracking metal objects and smart city applications.

Antenova takes antenna design a step forward with its REFLECTOR family, which answers the challenge of operating on a metal surface or housing, where it is extremely difficult for an antenna to operate. The REFLECTOR antennas use a patented new technology where there are two layers, one electrically isolated from the other, so as to provide RF shielding to the second layer. This allows the antenna to radiate effectively in the direction pointing away from the base material.

The Robusta antenna has two key features that make it ideal for discreet tracking. It is extremely low profile so it can be mounted onto a metal object such as a bicycle frame, maybe concealed under a label. Being able to operate directly on a metal surface, it can be used on bicycles, motor cycles, vehicles, containers or other property that needs to be tracked and located accurately.

The Robusta antenna is also a good choice for smart lighting and smart meters in Smart City applications, where it can be fixed to metal fittings.

The antenna is manufactured from rigid FR4 material and measures 23mm x 16mm x 1.7mm high, and comes with 100mm or 150mm cable and IPEX MHF connector and an adhesive pad for easy integration into a device.

Like Antenova's other antennas, this antenna is designed for easy integration and the company is working to help its customers integrate antennas into their designs faster and more easily - there are a number of resources to help with this at the company's website. For more details, antenna samples and evaluation boards, please see [www.antenova-m2m.com](http://www.antenova-m2m.com).



**Robusta antenna, part no SR4G031 – close-up**