

12<sup>th</sup> October 2017

PROFESSIONAL INSTALLATION (KDB 353028 D01, sections II.A.2.c) attestation.

Hera604v4 external antenna as it is a Professional installation.

**(c) Professional installation**

- i. *Professional installation must be justified in the filing, and grant condition must state "This device must be professionally installed."*

Justification to support professional installation is given below and as part of this FCC filing.

The grant contains the required text "This device must be professionally installed".

- ii. *Professional installation does not permit use of any antenna with the transmitter; the permitted types of antenna must be specified.*

The permitted antennas used with this device are monopole antennas and the requirements and performance characteristics of suitable antennas is stated in the Operational Description and in the Installation Guide.

- iii. *The applicant should address the following items when justifying professional installation.*

- (1) To qualify for professional installation, the applicant must explain why the hardware is not readily available to average consumer.**

The device is sold directly to Machine to Machine system integrators and industrial device manufacturers and, hence is not made available to the general public.

Installation within a Machine to Machine solution is performed by professionally trained installers to ensure performance and fulfil required safety standards.

**(2) Marketing—Device cannot be sold via retail to the general public or by mail order; it must be sold to authorized dealers or installers only.**

The device is sold directly to Machine to Machine solution manufacturers, distributors and installers and is not made available to the general public.

**(3) Filing must show that intended use is not for consumers and general public; rather device is generally for industrial/commercial use.**

The device is part of a connected Machine to Machine system and provides connectivity for external machines and industrial panels as stated in the Operational Description.

**(4) Explain what is unique, sophisticated, complex, or specialized about the equipment that REQUIRES it to be installed by a professional installer?**

Correct installation of the device is required to ensure the safety, security and performance requirements for the installation of the connected system and that of the Hera604 device are met.

iv. *Other professional installation requirements.*

**(1) Installation must be controlled.**

Installation of machine to machine technologies requires a number of technologies and processes. The various components and devices of the users end solution are carefully specified and tested to work together. As a result, installation of the Hera604 in any machine to machine environment is performed by professionally trained installers.

**(2) Installed by licensed professionals (e.g., device sold to dealer who hire installers).**

This device is only sold to system integrators and installer and is not made available on the general retail market for the average consumer to purchase.



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- (3) Installation may require special training (e.g., special programming, field strength measurements made).*

Training is provided on the installation of this device as part of the overall system to maintain operational performance.

THE INQUIRY IS:

The product is supplied with 2 WLAN Antennas for connection to the dedicate male SMAs.

Antenna types not included in the list below or having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

CORTEC P/N AN2450-5505BRS – Peak Gain: 5GHz 3dBi

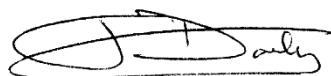
The product is supplied with 2 Cellular Antennas for connection to the dedicate Female SMAs.

Antenna types not included in the list below or having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Asian Creation P/N Q9018-24W – Peak Gain: 3dBi

Gantatech P/N GA-GSM-06 – Peak Gain: 3.5dBi

Yours faithfully,



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