TEKTELIC COMMUNICATIONS INC.

Document type:	**PRODUCT INTEGRITY TEST PLAN**
Document number:	**T0006600_Family_Certification_Information**
Document version:	**1.3**
Document Status:	**Approved**
Product name:	**Kona Micro Indoor Gateway**
Product codes:	**T0006267, T0006268**

Revision History

Version	Date	Comments
1.0	February 10, 2020	Initial Release
1.1	February 11, 2020	Fixed typos in table 1-1. Updated block diagram to show 2 cellular antennas.
1.2	February 12, 2020	Fixed document number in footer
1.3	February 18, 2020	Removed block diagram and reference

Contents

1 Family Certification Information

The T0006600 Kona Micro PoE Gateway family consists of two variants with backhaul options (3G/4G cellular wireless yes/no). All variants have a copper Ethernet port that is also the 802.3af PoE power interface. All variants use the same internal T0004850 radio/digital PCBA. The individual LoRa transceivers in each variant are all electrically identical. The 3G/4G radio modem options are integrated internally at the factory by installing approved commercial modules into connectors on the radio/digital PCBA. If a modem is installed, so is an internal 3G/4G cellular antenna. There is no post factory module configuration allowed.

Table 1-1 presents the Gateway variants which are being certified. For the purposes of design verification and certification, one variant may be considered as covering all test cases.

Table 1-1 Kona Micro Indoor Variants

Variant	Hardware Version ID (HVIN)	Product Description	Direct DC or PoE Power	Copper Eth.	3G/4G with internal Ant.	LoRa Ant.
-1	T0006267	LORA GATEWAY MODULE, KONA MICRO, PoE, NA	1	1	0	1
-2	T0006268	LORA GATEWAY MODULE, KONA MICRO, PoE, NA, LTE MODEM	1	1	1	1

An illustration of the common Kona Micro Indoor Gateway dimensions can be seen in Figure 1-1.

Figure 1-1 Kona Micro Indoor Gateway

The bulkhead connectors are identical for all of the variants.

2   References

There are no sources in the current document.