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March 06, 2020

TÜV SÜD UCB
5945 Cabot Parkway
Alpharetta, GA 30005

Re: FCC ID: SK9NIC

To Whom It May Concern:

The following application is submitted on behalf of our client, Itron Inc., for evaluation of their model NIC for a class II permissive change certification under FCC Part 15.247.

The NIC communications module is built on Itron's IPv6 OpenWay platform. The module utilizes the 900 MHz radio frequency (RF) operation band. For this application the OFDM 1.2 Mbps data rate is being added.

The purpose of this Class II Permissive Change is to add the DTS mode of the NIC module for installation in the new antenna/host combination.

For this Class II Permissive Change, the NIC was integrated into the Itron, Inc. Socket Based Router (SBR) host. The new 900 MHz antenna is a internal PCB inverted F antenna terminated at 50 ohms. Other transmitters that are associated with the SBR host include a cellular modem (FCC ID: N7NEM7455), a second 900 MHz transmitter (FCC ID: SK9ITR9002), Wi-Fi (FCC ID: SK9WF111) and a Zigbee transmitter (FCC ID: SK9ITR24). The Zigbee is not located in the SBR but in the 2S electricity meter that the SBR can be attached to.

Radiated inter-modulation testing was performed for all combinations of simultaneous transmission and found to comply.

The NIC was tested in full to the requirements of the aforementioned rules and was found to be in compliance.

Sincerely,

Signature: 

Name: Lee Littlejohn
Title: Regulatory Engineer

MarcMarch