

Date: 6 January 2020

**Federal Communications Commission**  
7435 Oakland Mills Road Columbia MD 21046 USA

To Whom It May Concern,

## Request for Class II Permissive Changes:

We, **Ring LLC** hereby authorize TUV Rheinland of North America to act as a laboratory for testing and test report generation for the following project(s):

**FCC ID: 2AEUPRB38001, Model: 5AT1S4**

Pursuant to CFR 2.1043, this project is a Permissive Change II submission for the purpose:

1. Remove one band Modulation LoRa FHSS by software change:

Modulation LoRa FHSS	
Operating Frequency	902.3 to 914.9 MHz
Type of Modulation	LoRa FHSS
Channel Number	64 channels
Channel Bandwidth	125 KHz
Channel Separation	200 KHz

2. Add one band Modulation LoRa FHSS by software change:

Modulation LoRa FHSS	
Operating Frequency	902.2 to 927.8 MHz
Type of Modulation	LoRa FHSS
Channel Number	129 channels
Channel Bandwidth	125 KHz
Channel Separation	200 KHz

3. Add one band Modulation FSK FHSS by software change:

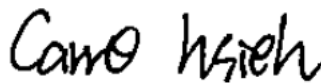
Modulation FSK FHSS	
Operating Frequency	902.5 to 927.5 MHz
Type of Modulation	FSK FHSS
Channel Number	51 channels
Data Rate	250 Kbps
Channel Separation	500 KHz

This authorization is valid until further written notice from the applicant.

Sincerely Yours,

By

:



(Signature)

Carro Hsieh

(Print Name)

Title

:

Engineer

Telephone

:

+1 (800) 656-1918

On behalf of

:

Ring LLC  
(Company Name)