

From: Saurabh Sanghai

To: Leann Nguyen  
Date: April 09, 2020

Subject: Request for Info - File # 0320-EX-CN-2020

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Message:

To,  
The FCC Experimental License Granting Authority,

Thank you for your prompt response regarding the current progress on our Experimental License Request under File Number 0320-EX-CN-2020; confirmation number EL687540.

We understand that FCC currently has concerns regarding the scope of the request. Here is our explanation of the license request based on the FCC concerns.

**Geographical Extent: Nationwide**

To elaborate on the nationwide aspect, I would like to explain that we are currently engaging with support requests on a number of scenarios where the Trackonomy platform can support long range asset tracking by reporting the GPS sensor data for an asset / essential package on to the internet cloud by use of a number of existing wireless technologies. This capability includes, but is not limited to, the support for tracking applications such as asset tracking of key supplies and inventory of critical equipment across the nation. Given the dynamic situation and the fact that we are using already established wireless standards, we feel it is best that the license has nationwide coverage to experiment and test the platform to its full extent and to support the current situation in the best possible way.

**Number of Frequency Bands Used:**

The request is pertaining to the use of a large number of frequency bands because the current interpretation of the Trackonomy platform spans across five fundamental wireless technologies that are already approved by FCC and existing in use in the consumer electronics and enterprise level markets as listed below:

1. GPS: 3 Frequency bands (Receive only)
2. Cellular Radio: 18 Frequency bands (16 Transmit/18 Receive-2G/3G/4G LTE)
3. WiFi: 2 Frequency bands (Transmit/Receive)
4. Bluetooth: 1 Frequency band (Transmit / Receive)
5. ISM Band Radio: 3 Frequency bands (Transmit/Receive)

**Testing, Deployment, and Retrieval:**

The deployment of the hardware is planned by including the Trackonomy units in various packaging configurations for the desired assets. Once deployed, the Trackonomy units will aid the tracking and management of the assets by reporting the asset position and metrics on the Trackonomy cloud platform. Upon completion of service, all Trackonomy units will be shipped back to Trackonomy HQ in San Jose California to support further research and development based on the field experiment results.

**About FAA Frequency Coordination:**

At the moment, we do not have and we further do not intend to obtain an FAA frequency coordination. Currently only one frequency band requested is conflicting with the FAA frequencies. This is the 5GHz WiFi band. We will be happy to Exclude these FAA frequencies on the application.

**License Request Modification:**

Please let me know how we can modify the experimental license request so that we can proceed with the approval process.

Thanks and Regards.