

From: Bryan Cattle

To: Travis Nguyen

Date: August 19, 2021

Subject: FCC-File.No: 0584-EX-CN-2021

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Message:

Thank you for the opportunity to respond to your questions. Please see answers below.

1. Is the radar mobile?

The radar is designed to be mobile. However testing under this license will be limited to temporary fixed test locations where the radar is mounted on a tripod on the ground.

2. Is the intent to operate in both radionavigation and radiolocation modes simultaneously?

No. A given test of the radar will be testing either radionavigation or radiolocation mode. The tests under this license will be radionavigation tests in the band 24.45-24.65 GHz.

3. Where will the UAS be flying in the selected locations?

We will not be operating any UAS during testing. As noted below we will seek to take advantage of targets of opportunity within each of the testing areas. During some tests we expect to operate near places where UAS operation is permitted, for example public parks that permit such activities.

4. Is there any relationship between your locations and the nearest airports (Washington National, Santa Ana, and San Francisco Airports) near your area of operations?

No. We do not plan to operate near any of those airports. Commercial aviation aircraft are not the subject of any of these tests. We may seek to test the radar on general aviation aircraft. Such tests could be conducted in the vicinity of a municipal airport.

5. Are you seeking "targets of opportunity" to test your radar? Will you be monitoring regular aircraft as well?

Yes. As noted above, we may seek to test the radar on UAS operated at public parks and other areas where UAS operation by members of the public is authorized. We may seek to test the radar on general aviation aircraft.

6. Is the radar of your own design, or is it sold by another manufacturer?

This radar is our own design.

Thank you and please let me know if you have additional questions I can answer.

Sincerely,  
Bryan Cattle