

From: Michael Nicolls

To: Behnam Ghaffari

Date: June 06, 2016

Subject: FCC File No. 0354-EX-PL-2016

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Message:

1. The intended confidentiality request letter (Request for Confidentiality) cannot be kept confidential; therefore, if there are confidential material on this letter please remove them and re-attach your letter and select Non-Confidential button.

The confidentiality request letter has been re-uploaded and does not need to be confidential.

2. Please justify the need to use 128 devices. Can this be done with 50 devices?

The radar is designed to detect a certain size object in Low-Earth-Orbit, which will be tested during the development phase. This link budget justified the need for 128 devices as well as the aperture of the antenna. The devices are arranged on panels that hold 8 elements each (16 panels total).

3. Please explain for use of a 60-month experimental license as opposed to a 24-month experimental license.

The request for 60 months comes as a result of the significant infrastructure needed to deploy this system as well as the large amount of testing planned, which spans manufacture, deployment, calibration, performance testing, and algorithm testing.