

From: Clarence Banks

To: Behnam Ghaffari

Date: December 10, 2014

Subject: FCC File No. 0861-EX-PL-2014

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Message:

Ben,

Here is the information you requested.

1. One of the issues with your previous filing under 0627-EX-PL-2014 was the requested ERP (767.6 W). Please lower the power per MAG requirement. If they have already concurred with 767.7 W, please acknowledge.

In the first request we listed the max power of the system in watts, hence the ERP 767.6 watts. I am updating the power and ERP to reflect the max power the program will be using. power 60 watts with an ERP 73 watts.

. Please provide the following information with respect to the satellite:

- a) Name the intended satellite: MUOS 2,
- b) Satellite coverage (Narrow Beam (NB) or Earth Coverage (EC)): MUOS 2's "legacy" payload with Earth Coverage (EC) will be used; UFO and FLTSAT are EC only.
- c) Receive antenna gain: 3
- d) Beamwidth of the receive antenna at the half power points: 3

3. Please provide the following information with respect the transceiver ground-station antenna(s):

- a) Transmit antenna gain (dbi): 3
- b) Beamwidth of transmit antenna at the half-power points: 3
- c) Transmit antenna azimuth: 100 degrees w