

From: Michael Miller

To: Nimesh Sangani  
Date: March 09, 2021

Subject: Additional Information Request

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Message:

1) Provide Signed Orbital Debris Mitigation (ODAR).

Answer: No additional orbit time has been allocated for the Mars Outpost experiment, beyond what the time that will be used to deploy the payload satellites. The second stage, of which the Mars Outpost Experiment is permanently a part, will re enter just as it would if the Mars Outpost experiment were not being conducted. Therefore, as we understand is consistent with FCC practice, no ODAR will be developed for the second stage.

2) Provide SpaceCap file. Make sure there are no critical errors.

Answer: The SpaceCap file has been uploaded as an exhibit, with no critical errors.

3) Provide Completed NTIA Space Record Data form. Verify the transmit and receive parameters.

Answer: The NTIA Space Record Data Form has been uploaded as an exhibit. The parameters match the application.

4) In a separate exhibit provide PFD to earth and to the Geo Stationary arc for 8025-8400 MHz Band.

Answer: The requested PFD calculation for Earth and for GEO has been calculated. The exhibit has been uploaded as an exhibit.

5) Provide Satellite local time of ascending node (LTAN) since orbital parameters in the proposal suggest a sun-synchronous orbit.

Answer: The LTAN is 0130. An exhibit so stating has been uploaded.