From: Michael Miller

To: Nimesh Sangani
Date: September 23, 2021

Subject: Additional Information Request

Message:

1) Please note that you can't modify existing STA. Modification option is only for conventional license. This STA will be processed as a new STA. Provide a revised exhibit that includes everything you're requesting. You can mention your previous FLN in the revised narrative.
Answer: We concur, the mission is modified, but the license is a new STA. A revised Technical Description document, uploaded, clarifies this.

2) Provide Signed Orbital Debris Mitigation (ODAR)
Answer: The experiment is permanently attached to the SpaceX stage 2, so it will demise along with the second stage, about 2 hours after launch. SpaceX has not prepared an ODAR for the launch vehicle.

3) Provide SpaceCap file. Make sure there are no critical errors.
Answer: The Spacecap MDB file has been uploaded as an exhibit.

4) Provide Completed NTIA Space Record Data form. Verify the transmit and receive parameters.
Answer: The NTIA Space Record Data has been uploaded as an exhibit. Parameters are verified.

5) In a separate exhibit provide PFD to earth and to the Geo Stationary arc for 8025-8400 MHz Band.
Answer: The PFD exhibit has been uploaded as an exhibit.

6) Provide Satellite local time of ascending node (LTAN) since orbital parameters in the proposal suggest a sun-synchronous orbit.
Answer: The LTAN exhibit has been uploaded as an exhibit. The LTAN is 0130.

7) Provide ITU cost recovery letter.
Answer: The ITU cost recovery letter has been uploaded as an exhibit.

8) Provide Antenna beam patterns in GIMS.
Answer: Spacecap offers the option of entering antenna pattern reference numbers, which we have done. If this is no longer acceptable, please let me know and we will supply a GIMS file.