

## QUESTION 7: PURPOSE OF EXPERIMENT

November 14, 2019

### Narrative Summary

Space Exploration Technologies Corp. ("SpaceX") is a U.S. space technology company headquartered in California, with additional launch and test facilities in Florida and Texas.

The additional frequency of 2026.705 – 2030.855 will be used in the upcoming SAOCOM 1B Falcon 9 mission, currently slated to be launched from the Cape on 3/13/2020 (subject to change).

In addition to this added frequency, we are also requesting to increase power to all listed frequencies from 20 W to 40 W.

The purpose of this additional frequency is to meet the mission demands of this unique mission, satisfying specific milestones as outlined by our customer, CONAE. No additional hardware will be installed, the only change will be the use of this additional frequency and power.

As always, the antenna used to transmit is a directional tracking antenna. It will only transmit while its target is in view and sufficiently above the horizon (at least 5 degrees) to prevent unwanted interference to the ground.

After the testing and completion of the SACOM 1B mission, all frequency parameters and allotted power will revert back to the original levels as detailed in license 0091-EX-CN-2016.

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