

From: Benjamin Malphrus

To: Behnam Ghaffari

Date: September 20, 2021

Subject: FCC File No. 0612-EX-CN-2020

Message:

UPDATE to 442 LICENSE APPLICATION BASED ON CORRESPONDENCE

Applicant: Morehead State University

File Number: 0612-EX-CN-2020

Correspondence Reference Number: 64547

Date of Original Email: 09/10/2021

QUESTION:

Regarding 2200-2290 MHz, will the transmitter be operational during transit/flight to the lunar region or if it will only be operational while in the lunar region?

ANSWER:

The lunar lander's 2210.6 MHz transmitter (telemetry transmitter) will begin transmitting approximately 30 minutes after launch and will transmit during transit/flight trajectory to the lunar region. The lunar lander's 2250 MHz transmitter (science data transmitter) will begin transmitting approximately 60 minutes after launch and will transmit intermittently during transit/flight to the lunar region. These transmitters will transmit from the lunar region/surface of the Moon with similar regularity until the mission concludes.

Authority for transmit operations has been requested in the companion license application for the lunar lander.* Additional details regarding lunar lander transmit operations are included in those application materials.

Thank you.

*See Intuitive Machines, LLC, IBFS File No. SAT-LOA-20210423-00055, Call Sign S3084 (filed April 23, 2021).