



QUESTION 7: PURPOSE OF EXPERIMENT

Narrative Summary

Space Exploration Technologies Corp. ("SpaceX") is a U.S. space technology company that designs, manufactures, and launches advanced rockets and spacecraft. The company is headquartered in California, and has more than 6,000 employees based at various facilities around the United States, including California, Texas, Florida, Washington, and the District of Columbia.

On September 27, 2016, SpaceX applied ([0091-EX-CN-2016](#)) to the U.S. Federal Communications Commission ("FCC") for an experimental license to conduct perform radiofrequency ("RF") testing in support of SpaceX's Commercial Crew Transportation Contract and Commercial Resupply Services Contract with the National Aeronautics and Space Administration ("NASA").

This filing is for an extension of the test frequencies, emission designators, and locations to support further testing of the hardware and software in the aforementioned license. However, unlike the previous filed for experimental operation, the only testing to be performed under this license is for vehicle and test rack testing inside test facilities and should not cause substantial emission to the outside, due to path loss and attenuation caused by the building structural material at all locations.