

DOUGLAS I. BRANDON

+1 202.887.4021/fax: +1 202.887.4288

dbrandon@akingump.com

August 28, 2017

VIA ECFS

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Notice of Ex Parte
Use of Spectrum Bands Above 24 GHz for Mobile Radio Services, et al.
GN Docket No. 14-177, IB Docket Nos. 15-256, 97-95, RM-11664, WT Docket
No. 10-112

Dear Ms. Dortch:

On August 24, 2017, representatives of Space Exploration Technologies Corp. (SpaceX) and the undersigned met with staff of the Federal Communications Commission (Commission) to discuss the pending petitions for reconsideration in the above-captioned proceeding. SpaceX was represented by Patricia Cooper, Mihai Albullet and, by phone, consultants David Pattillo and Matt Botwin and the undersigned. Representatives from the FCC included: Julius Knapp, Walter Johnston, Michael Ha, Tony Serafini, Bahman Badipour, Nicholas Oros, and Ron Repasi of the Office of Engineering and Technology; Tom Sullivan, Jose Albuquerque, Chip Fleming, and Robert Nelson of the International Bureau; and Nese Guendelsberger, Blaise Scinto, and Joel Taubenblatt of the Wireless Telecommunications Bureau.¹

SpaceX stressed the importance of clear and reasonable earth station siting rules in the 28 GHz band that account for real-world deployment scenarios for both existing and next-generation satellite gateway technologies. SpaceX voiced appreciation for the Commission's review of siting requirements for gateway technologies to be used in conjunction with near-term non-geostationary orbit (NGSO) constellations. Given the promise of such NGSO constellations to connect previously unserved or underserved consumers, SpaceX encouraged the Commission to adopt gateway siting rules that do not unduly constrain the deployment and delivery of innovative satellite services and their supporting ground station facilities. SpaceX specifically urged the Commission to clarify that if the contour of a 28 GHz gateway earth station deployed

¹ Ron Repasi joined the meeting by telephone.

August 28, 2017
Page 2

on private property does not exceed the $-77.6 \text{ dBm/m}^2/\text{MHz}$ limit at its property line or otherwise does not cover any population, the earth station does not count toward the current per-county or population coverage limits as outlined in Section 25.136 of the Commission's rules.²

SpaceX also urged the Commission to clarify that, if a satellite operator reaches a private coordination agreement with a terrestrial licensee, any earth stations deployed pursuant to that agreement do not count toward the same per-county and population coverage limits.

Beyond those two clarifications, SpaceX discussed its support for the Satellite Operators' proposals to streamline the limitations on 28 GHz earth station deployment by eliminating entirely the three-gateways-per-county limit and to revise the population coverage limits to more accurately reflect real-world deployment scenarios.³ As the Satellite Operators have noted, this will more appropriately balance the need to protect terrestrial operations with satellite operators' need to deploy satellite gateways in locations with access to Internet points of presence and backhaul facilities.

Pursuant to the Commission's rules, this notice is being filed in the above-referenced docket for inclusion in the public record. Please contact me should you have any questions.

Respectfully submitted,

/s/ Douglas I. Brandon

Douglas I. Brandon

Steven A. Rowings

Counsel to Space Exploration Technologies Corp.

² See 47 C.F.R. § 25.136.

³ See Letter from Audrey L. Allison, Senior Director, Frequency Management Services, The Boeing Company, Jennifer A. Manner, Senior Vice President, Regulatory Affairs, EchoStar Satellite Operating Corporation, Hughes Network Systems, LLC, Giselle Creeser, Director, Regulatory, Inmarsat, Inc., Susan H. Crandall, Intelsat Corporation, Suzanne Malloy, Vice President, Regulatory Affairs, O3b Limited, Petra A. Vorwig, Senior Legal & Regulatory Counsel, SES Americom, Inc., and Mariah Shuman, Senior Director, Regulatory Affairs, WorldVu Satellites Ltd. d/b/a OneWeb, to Marlene H. Dortch, Secretary, FCC, GN Docket No. 14-177 et al. (filed June 13, 2017).

August 28, 2017

Page 3

cc: Julius Knapp
Walter Johnston
Michael Ha
Tony Serafini
Bahman Badipour
Nicholas Oros
Ron Repasi
Thomas Sullivan
Jose Albuquerque
Chip Fleming
Robert Nelson
Nese Guendelsberger
Blaise Scinto
Joel Taubenblatt