



June 3, 2016

**VIA ECFS**

Ms. Marlene Dortch  
Secretary  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, D.C. 20554

**Re: Notice of Oral *Ex Parte* - Use of Spectrum Bands Above 24 GHz For Mobile Radio Services, GN Docket No. 14-177**

Dear Ms. Dortch:

On June 2, 2016, representatives of the Satellite Industry Association (“SIA”) <sup>1</sup> met with Daudeline Meme from Commissioner Clyburn’s office to discuss the above referenced proceeding.

SIA identified three issues of utmost importance in reference to the proceeding:

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<sup>1</sup> SIA is a U.S.-based trade association providing representation of the leading satellite operators, service providers, manufacturers, launch services providers, and ground equipment suppliers. Since its creation twenty years ago, SIA has advocated on behalf of the U.S. satellite industry on policy, regulatory, and legislative issues affecting the satellite business. SIA Executive Members include: The Boeing Company; The DIRECTV Group; EchoStar Corporation; Intelsat S.A.; Iridium Communications Inc.; Kratos Defense & Security Solutions; Ligado Networks; Lockheed Martin Corporation; Northrop Grumman Corporation; OneWeb; SES Americom, Inc.; Space Exploration Technologies Corp.; SSL; and ViaSat, Inc. SIA Associate Members include: ABS US Corp.; Artel, LLC; COMSAT Inc.; DigitalGlobe Inc.; DRS Technologies, Inc.; Eutelsat America Corp.; Global Eagle Entertainment; Glowlink Communications Technology, Inc.; Hughes; iDirect Government Technologies; Inmarsat, Inc.; Kymeta Corporation; O3b Limited; Panasonic Avionics Corporation; Planet Labs Inc.; TeleCommunication Systems, Inc.; Telesat Canada; TrustComm, Inc.; Ultisat, Inc.; and XTAR, LLC.

1. The need to protect 28 GHz FSS space stations on a co-primary basis from harmful aggregate interference from UMFU operations. SIA noted that, i) FSS satellites are a co-primary service under the U.S. and International Tables of Frequency Allocations and ii) by U.S. treaty obligations, U.S.-licensed FSS satellites and non-U.S. licensed FSS satellites, even though they may not be serving the U.S., should be protected from the likely aggregate interference, particularly in the absence of FCC codification into the rules of the technical power levels permitted towards the sky from UMFU systems.
2. Individually licensed FSS earth stations should be afforded co-primary status at 28 GHz and secondary markets, such as auctions, do not provide an equitable opportunity for satellite operators. The FCC should grandfather as co-primary both currently licensed FSS earth stations as well as new FSS earth stations licensed or for which applications are filed before the UMFU auction. After the UMFU auction, SIA requested that additional FSS earth stations also be permitted on a co-primary basis, under appropriate safe harbor rules.
3. The record reflects the substantial planning and early testing for the satellite industry to deploy commercial satellites utilizing the 37/39 GHz band, reflecting investments for high-throughput satellites that will provide valuable services to U.S. customers; yet the record is incomplete with respect to spectrum sharing measures and other regulatory requirements for receive-only earth stations and UMFU to operate on a shared basis. The FCC should seek further comment before adopting regulatory provisions in these bands.

More analysis is required to come to agreement on technical solutions for spectrum sharing with UMFU. However, addressing the above concerns will enable technical discussions to progress towards solutions thus maximizing the use and sharing of the 28 and 37/39 GHz band.

Attending on behalf of SIA were: Charity Weeden (SIA), Mariah Shuman (O3b), Scott Kotler (Lockheed Martin), Kim Kolb (Boeing), Thomas Tycz (Goldberg, Godles, Wiener & Wright, LLP for Iridium), Jennifer Warren (Lockheed Martin), Ethan Lucarelli (Inmarsat), Kalpak Gude (OneWeb), Giselle Creaser (Inmarsat), Elizabeth Park (Latham & Watkins LLP for Viasat), Petra Vorwig (SES), Cynthia Grady (Intelsat), Robert Koppel (Lukas Nace for Kymeta), Stacy Fuller (DIRECTV), Bill Wiltshire (Harris, Wiltshire & Grannis for Echostar), Patricia Cooper (SpaceX), and Suzanne Malloy (O3b).

Respectfully submitted,

**SATELLITE INDUSTRY ASSOCIATION**

By: /s/ Tom Stroup

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