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July 5, 2016

VIA ELECTRONIC FILING

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: ViaSat, Inc., Notice of *Ex Parte* Presentation
GN Docket No. 14-177; IB Docket Nos. 15-256 & 97-95; RM-11664; and WT Docket No. 10-112

Dear Ms. Dortch:

On June 30, 2016, Mark Dankberg, Chairman and CEO of ViaSat, Inc. ("ViaSat"), Chris Murphy, Associate General Counsel, Regulatory Affairs, of ViaSat, and the undersigned counsel to ViaSat, met with Commissioner Pai and his Legal Advisor, Brendan Carr. The attached presentation formed the basis for the discussion.

Please contact the undersigned if you have any questions regarding this submission.

Respectfully submitted,

/s/

John P. Janka

Attachment

cc: Commissioner Ajit Pai
Brendan Carr

Fact Sheet

Spectrum Frontiers—5G FCC Proceeding

Balanced Satellite - 5G Sharing is Critical

Issue: The FCC's proposed approach puts new 5G operations ahead of licensed satellite. Satellite receivers would not be protected against 5G interference. Proposed rules could unfairly require satellite earth stations to cease transmission to make room for 5G. This proposed approach hurts existing and future broadband for millions of Americans. 5G can operate in many bands. Satellite bands are limited.

ViaSat an American Success Story

| Garage founded 30 years ago | 3 founders | 3,500 employees | $3Billion broadband investment | 1.4Billion in revenue |

Good Stewards of the Limited Spectrum Allocated

Home Broadband	Airline Wi-Fi	Air Force 1
	American Airlines	
~2Million American Households		500+ Aircraft

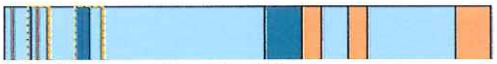
- ✓ HD Video speeds to every household, every passenger seat.
- ✓ 1/3 switched from terrestrial providers
- ✓ Airline Wi-Fi—JetBlue, Virgin America, United, American
- ✓ Air Force 1 and all senior leadership planes. Cabinet military leadership…
- ✓ 2 million US homes today, 4-8 million by 2021

Satellite Innovation Progression

1st Generation ViaSat-1→DSL→12 Mbps at launch, 25 Mbps now
2nd Generation ViaSat-2→Cable→25-100 Mbps
3rd Generation ViaSat-3→Fiber→1 Gbps

The Issue in a Nutshell

Bands Above 24 GHz for Possible Mobile Use



1. 28 GHz and 37/39 GHz are critical to enable satellite to meet growing customer broadband needs
   - ✓ Faster Speeds, Greater Throughput, New Applications, More Competition
2. 28 GHz is licensed to satellite operators by the FCC
3. 37/39 GHz networks are planned to provide more advanced broadband solutions before or at same time as 5G deployment
4. Current proposals put 5G spectrum ahead of spectrum licensed to satellite
5. ViaSat has invested billions based upon the use of licensed spectrum and reasonably relied on 20 years of FCC precedent

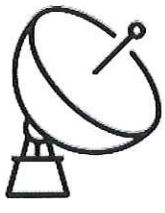
ViaSat's Proposed Solution

- ✓ Promote spectrum sharing that allows 5G and satellite to develop simultaneously
  - Two-way street
  - Co-equal status
- ✓ While 5G could deploy in many bands being considered, 28GHz and 37/39 GHz are part of the only band pairs assigned for satellite

Our Ask

Satellite Receivers

Protect the 28 GHz spectrum licensed to satellite from aggregate 5G uplink interference.



⇑Uplink

Earth Station to Satellite Transmissions

Allow the continued deployment of 28 GHz ViaSat-2 and 3 gateways on a protected basis.

⇓Downlink

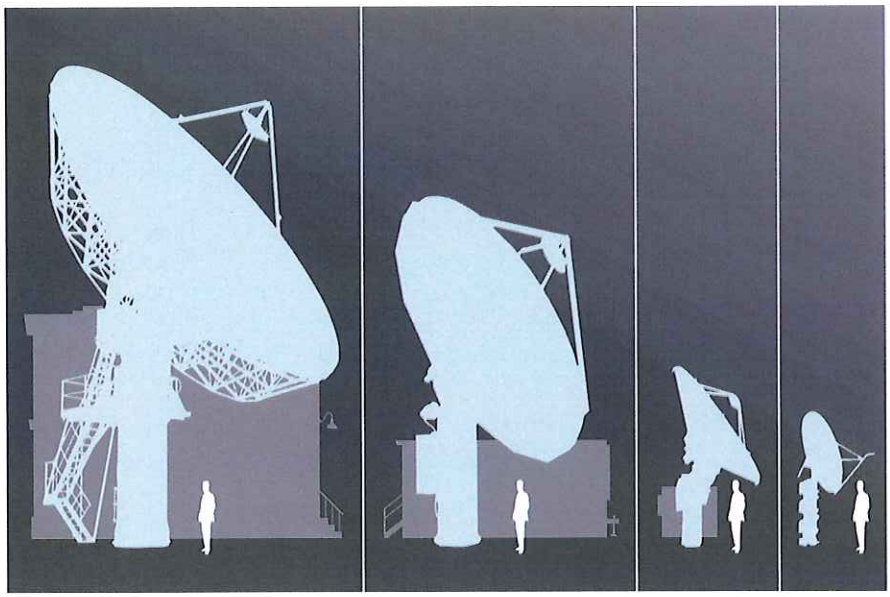
Satellite to Earth Station Transmissions

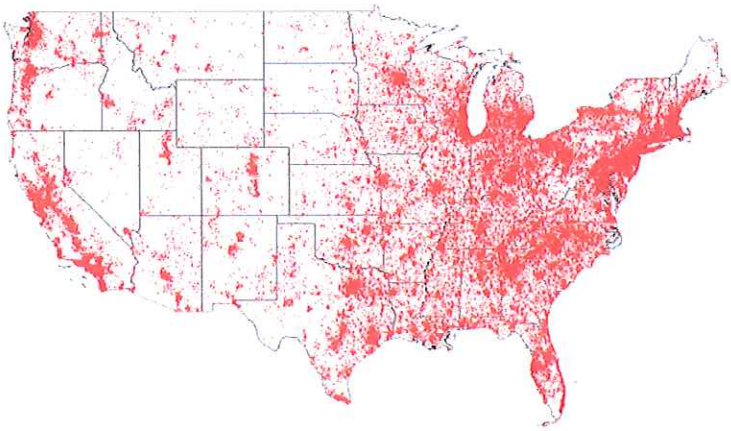
Allow robust deployment of 37/39 GHz "receive" earth stations that do not impact 5G at all.

⇑Uplink

User Terminal Transmissions

Allow 28 GHz user terminals to transmit without interfering when 5G not operating nearby.



Today----------→Future

Rural----------→Urban