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June 1, 2017

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

Re: Notice of Ex Parte Presentation
MB Docket No. 16-306
ET Docket No. 12-268

Dear Ms. Dortch:

On May 30, 2017, representatives from T-Mobile USA, Inc. (T-Mobile)¹ and the undersigned, briefed members of the FCC's Incentive Auction Task Force and staff from the Media Bureau, the Wireless Telecommunications Bureau and the Office of Engineering and Technology. We discussed T-Mobile's plans to rapidly deploy its 600 MHz spectrum for broadband services, including using 5G technology, as well as ways to facilitate a smooth and rapid transition of the spectrum from broadcast to broadband while minimizing disruption to broadcasters and consumers. The full list of meeting participants is attached.

T-Mobile spoke from the attached set of slides. T-Mobile began the meeting by updating the FCC staff on the current status of 600 MHz wireless technology standards. T-Mobile also discussed its plan to rapidly deploy the 600 MHz band spectrum for mobile broadband and commence providing service with that spectrum this year. Access to this low-band spectrum allows T-Mobile to bring new and enhanced competition to rural areas and to strengthen competition and service in urban and suburban areas, thus providing significant benefits to consumers.

T-Mobile also discussed the status of its initial outreach to members of the low power television ("LPTV"), broadcast translator, and wireless microphone communities. This outreach is intended to facilitate coordination and cooperation toward a smooth transition of the band. T-Mobile also discussed and confirmed its understanding of the FCC's requirements for formally notifying affected spectrum incumbents when T-Mobile is prepared to commence service in a market. T-Mobile urged the FCC staff to develop effective and flexible procedures for

¹ T-Mobile USA, Inc. is a wholly-owned subsidiary of T-Mobile US, Inc., a publicly traded company.



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accommodating the needs of broadcasters impacted by the deployment of 600 MHz broadband services.²

A copy of this notice will be distributed to all FCC participants in the meeting. Please let me know if there are any questions with respect to this filing.

Very truly yours,

DLA Piper LLP (US)

/s/ Michael A. Lewis

Michael A. Lewis

Senior Engineering Advisor

Attachments: Meeting Participants
Slide Presentation

² Recently, the National Association of Broadcasters also supported such a flexible approach. T-Mobile agrees with the need for flexibility, but not with NAB's characterization of LPTV and translators stations as having "no possibility of operating on an alternative channel – even if channels are available." See *Ex Parte* Presentation of Patrick McFadden, Associate General Counsel, National Association of Broadcasters, GN Docket No. 16-306, *et al* (filed May 31, 2017). The FCC's waiver process provides significant flexibility and the FCC has consistently indicated a willingness to work with all broadcasters, including low power broadcasters, on a case-by-case basis to address concerns and minimize disruption.

T-Mobile/FCC Meeting Participants

Michael Lewis	DLA Piper (T-Mobile)
Steve Sharkey	T-Mobile
Chris Wieczorek	T-Mobile
Cody Hogan	T-Mobile
Mark Combs	T-Mobile
Dan Urrutia	T-Mobile
Dan Wilson	T-Mobile
Rachel Kazan	IATF
Michelle Carey	MB
Erin Griffith	IATF
Jean Kiddoo	IATF
Sandra Danner	WTB
Janet Young	WTB
Paul Malmud	WTB
Barbara Pavon	OET
Mark J. Colombo	OET
Kevin Harding	MB
Barbara Kreisman	MB
Brian Smith	IATF
Tony Coudert	IATF
Charlie Meisch	IATF
Sasha Javid	IATF
Geraldine Matisse	OET
Martin Doczkat	OET
Evan Morris	MB
Karla Hoffman	IATF
Melissa Dunford	IATF
Joyce Bernstein	MB
Hillary DeNigro	IATF
Julie Knapp	OET
Paul Murray	OET



600 MHz Band Deployment Update: May 2017

5/30/17

Discussion Areas

1. T-Mobile Deployment Efforts
2. Notifications Efforts:
 - Part 73.3700(g)(4) and Part 74.602(h)(5)(ii) Notification Obligations
 - Wireless Mics
3. Special Temporary Authority for Displaced Translators / LPTV
4. Part 27.1310 Interference Protection Obligations
5. Early Transition Filings Procedures

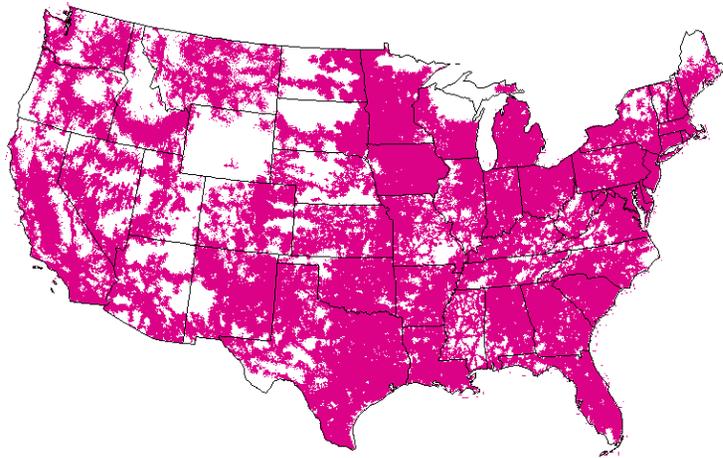
T-Mobile Deployment Efforts

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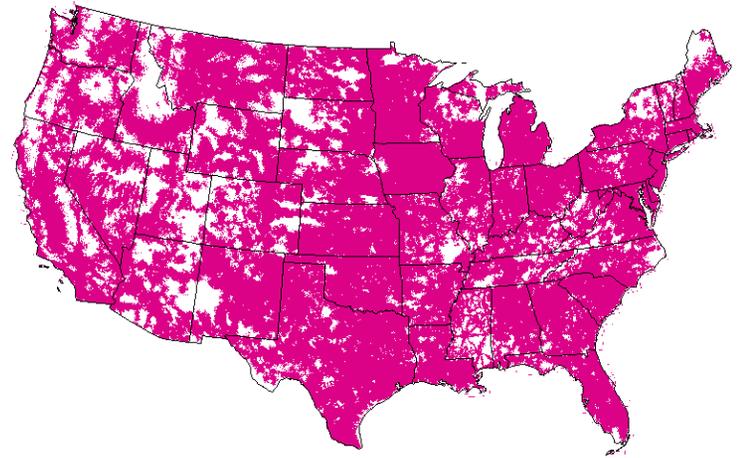
- Planning on using 600 MHz for both 4G LTE in 2017 and 5G technologies expected in 2019 with target for nationwide rollout in 2020
- 600 MHz Band 71 endorsed in RAN-4 Meeting, vendors working on products, formal 3GPP approval expected in September
- Deployment procedures incorporate all FCC inter-service interference and notification obligations
 - T-Mobile going above and beyond FCC requirements to work constructively with all stakeholders

Consumers Benefiting From 600 MHz Auction in 2017

Before the 600 MHz Auction



After the 600 MHz Auction



T-Mobile's LPTV / Translator Notifications

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- After grant of licenses and when prepared to commence service in a market, T-Mobile will notify licenses under Part 73.3700(g)(4) and Part 74.602(h)(5)(ii)
- Notification will include the following:
 - Identification of Facility ID(s) and callsign(s) of licensees predicted to cause interference under the ISIX cases 1 & 2.
 - The license block(s) T-Mobile will turn on and what technology (LTE)
 - An LPTV or Translator turn off date consistent with applicable advance-notice provisions
 - Contact information for T-Mobile's engineering team
 - Single notification letter to licensee of multiple impacted licenses
 - Anything else?
- T-Mobile is open to working with any impacted Translator / LPTV broadcaster to minimize IXIS cases 1 & 2 interference, when possible
 - Lower power; antenna pattern changes, frequency changes, etc. by the Translator / LPTV broadcaster

Notifications Efforts: Wireless Microphone

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- T-Mobile engineering:
 - Has contacted engineering teams at multiple major vendors of wireless microphones about T-Mobile's planning effort
 - Has started to engage with the Society of Broadcasting Engineers, major users such as theater groups, churches, etc. about what to expect; and
 - Intends to notify vendors of network deployment on a market by market basis as deployment nears

Special Temporary Authority for Displaced Translators / LPTV

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- T-Mobile's rapid deployment of 600 MHz for broadband services will likely impact and displace Translator and LPTV broadcasters prior to the opening of the FCC's displacement window
- The FCC should work with these impacted broadcasters to accommodate a transition of the band, including by considering:
 - Special Temporary Authority to allow these broadcasters to temporarily change channels to frequencies outside of the 600 MHz mobile band
 - Allowing broadcasters to go dark for an extended period without losing its license
 - Other options as appropriate

Part 27.1310 Interference Protection Obligations

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- T-Mobile has an open and constructive dialog with many broadcasters
 - A dedicated contact e-mail that is continuously monitored; numerous inter-personal, day to day contacts
- T-Mobile will immediately respond to an interference complaint from a transitioning full power or protected Class A broadcaster
 - Will engage in data sharing, field measurements, and other coordination obligations under the OET-74



T-Mobile's inter-service interference testing lab

Early Transition Filings Procedures

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- T-Mobile anticipates working with broadcasters to voluntarily transition earlier than their assigned transition deadline
 - Encouraged by FCC's NAB show presentation and expressions of willingness by broadcasters to move early
- Unclear about proper FCC filing procedures, information showings, and timing on action
 - Same for temp channels?
 - Same for rule waivers?

Thank you

