



May 5, 2016

*Via Electronic Filing*

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

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

On May 3, 2016, Starry, Inc., represented by Chet Kanojia, Chief Executive Officer, Joseph Lipowski, Chief Technology Officer, J. David Cann, Vice President of Operations and Virginia Lam Abrams, Senior Vice President of Communications & Government Relations, participated in two meetings with Federal Communications Commission ("Commission") Bureau Staff and senior policy and legal advisors to Chairman Wheeler. A list of meeting attendees is included (Attachment 1).

During these meetings, Starry briefed the participants on its innovative mmWave broadband technology, experiences in the field, Starry's planned deployment and relevant to this *ex parte* communication, the company's perspectives on potential spectrum sharing proposals for the 37 GHz band. The attached presentation on Starry's proposed spectrum-sharing scheme was presented and discussed (Attachment 2).

Starry believes that in order to promote innovation and competition in the broadband market, the Commission should adopt pro-competition rules that enable new entrants to meaningfully participate in exclusive licensing and use of high band spectrum. Additionally, adopting a sharing scheme, such as the one proposed by Starry, can enable competition and ensure that opportunities to invest and innovate in high frequency spectrum aren't foreclosed to new entrants.

Starry's proposal for spectrum sharing builds upon the foundation laid by the Commission in its rules for the 3.5 GHz Citizens Broadband Radio Service (CBRS). It proposes a similar three-tiered approach that protects existing federal and legacy satellite incumbents, and allows Primary Access Licensees (PALs) and General Authorized Access Users (GAA) to co-exist in a flexible framework that would encourage innovation and maximum use of the band while

discouraging spectrum “squatting.” Starry’s sharing proposal is inherently practical, pro-competition, and enables real, substantive build outs of those bands to ensure maximum use.

Starry’s 37 GHz Sharing Approach would:

- Adapt rules from CBRS, specifically, regulations establishing SAS & PALs & geolocation.
- Extend, with real time, a beacon-based prioritized slotted reservation system inspired by 802.11 with control by access points (APs).
- Guarantee some bandwidth to PALs and GAAs, provide priority to PALs for shared, and permit GAAs to use underutilized spectrum, as available.
- Enable PALs to aggregate 600 MHz - 800 MHz channel bandwidths and leave room for FDD, TDD and 2xTDD.
- Provide geographic protection for federal use & legacy licensees.
- Provide guaranteed PAL bandwidth for low latency.
- Use SAS to resolve non-real time conflicts.

Additionally, Starry expressed the opinion that in order for this or any other sharing proposal to be successful, it was critical that the licenses renewal process have more certainty for licensees and allow for longer-term renewals than what was adopted in the CBRS rules. Starry also expressed support for licensing at a county-wide level, rather than by economic area, as the company believes that this would be a more practical approach, given the shorter range of the bands and it would allow for flexibility in building out more communities. Starry also emphasized the importance of establishing auction rules that create a competitive environment for small entrants.

In conclusion, Starry believes that in order for new entrants to succeed, it is critical that the Commission create a level of certainty that would enable significant investment in these high frequency bands and create an environment where new entrants and new technologies can thrive.

Pursuant to Section 1.1206(b)(2) of the Commission’s rules, an electronic copy of this letter is being filed for inclusion in the above-referenced dockets. We have also provided a copy of this letter electronically to all Commission personnel who were in attendance. Please contact the undersigned with any questions.

Respectfully submitted,

Virginia Lam Abrams  
Starry, Inc.

cc:

Gigi Sohn  
Edward Smith  
Jon Wilkins  
Brian Regan

Chris Helzer  
Matt Pearl  
Blaise Scinto  
John Schauble

Julius Knapp  
Michael Ha  
Walter Johnston  
Ira Keltz

## Attachment 1

### Meeting Attendees

May 3, 2016

#### Office of the Chairman

Gigi Sohn

Edward Smith

#### Wireless Telecommunications Bureau

Jon Wilkins

Brian Regan

Chris Helzer

Matt Pearl

Blaise Scinto

John Schauble

#### Office of Engineering & Technology

Julius Knapp

Michael Ha

Walter Johnston

Ira Keltz