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September 26, 2016

*Via Electronic Filing*

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

**Re: GN Docket Nos. 12-268 and 14-166; ET Docket No. 14-165**  
**Ex Parte filing of Sennheiser Electronic Corporation**

Dear Ms. Dortch:

On September 22, 2016, the undersigned and Joe Ciaudelli, Director of Spectrum Affairs, Sennheiser Electronic Corporation, had a telephone conference with Ira Keltz, Geri Matisse and Paul Murray of the Office of Engineering and Technology to discuss the Petition for Reconsideration filed in the above captioned dockets.<sup>1</sup>

The following matters were discussed:

- With regard to measuring output power for Part 15 certified wireless microphones, effective radiated power is less than conducted power for wireless microphones due to the use of omnidirectional antennas. A microphone that meets conducted power will meet the same limit when measured as EIRP, but measurements of conducted power are more precise. The ETIS standards distinguish between measurement methods used for microphones that have integral antennas versus those that do not. Sennheiser does not object to measuring by EIRP, so long as manufacturers are given the opportunity to measure using either conducted power or EIRP.
- Sennheiser also reiterated support for the long-established industry standard of 50 mW power for wireless microphones.
- With regard to antenna connectors, Sennheiser reiterated the need to retain the waiver for unlicensed wireless microphones, and the parties discussed Sections 15.203 and 15.204 compliance.

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<sup>1</sup> Consolidated Petition for Reconsideration of Sennheiser Electronic Corporation, Docket Nos. 14-166, 14-164 and 12-268 (filed Dec. 17, 2015).

Additionally, the conversation touched upon manufacturer responsibilities for certifying Part 74 microphones as dual Part 74/Part 15 microphones, once that becomes necessary.

Please direct any questions to the undersigned.

Respectfully submitted,

/s/

Laura A. Stefani  
*Counsel for Sennheiser Electronic Corp.*

cc: Ira Keltz  
Geri Matisse  
Paul Murray