

From: Sidney Roberts

To: Behnam Ghaffari

Date: March 15, 2018

Subject: FCC File No. 0049-EX-CM-2018

---

Message:

Microsoft's requested amendment seeks to expand upon its previous work evaluating the use of White Space devices to provide connectivity for school buses along a rural bus route. Specifically, it seeks to improve coverage and service for school buses operating within the experimental area and to evaluate the capabilities of an experimental White Space device for this purpose. For safety reasons a low-gain freeform omnidirectional antenna must be used atop the bus, resulting in a weaker uplink signal than was anticipated based on the higher-gain antenna proposed in the original application.

To achieve these goals, Microsoft seeks to operate bus-resident devices at a higher conducted and radiated power level than previously requested and to operate an experimental fixed base station device under manual database control—i.e., with periodic human intervention—as detailed in the amended experimental description.

Microsoft's existing experimental license relating to this project requires coordination with the Society of Broadcast Engineers, and Microsoft anticipates that an amended license would include the same condition.