

Exhibit 1: Experimental License Modification Description

Microsoft Corp. respectfully requests amendment of experimental license call sign WF2XBT with the additional station locations and equipment manufacturers specified in its modification application File No. 0190-EX-ML-2011. As described more fully in Microsoft's initial application for call sign WF2XBT, Microsoft uses this authorization in accordance with 47 C.F.R. § 5.3(g) and (i) to facilitate research regarding the potential of wireless networks using vacant television broadcast band spectrum (the "white spaces") to enable new wireless applications and services. Additional details regarding Microsoft's experiments in this area are also available on the Microsoft Research website.¹

Microsoft currently operates within the area of its main campus in Redmond (King County), WA. The requested modification will allow Microsoft to expand its research efforts to include additional Microsoft facilities in King County, and to evaluate equipment from other manufacturers that are designing products to take advantage of white space spectrum. Experiments at the additional Microsoft facilities will be conducted using the same operating parameters already approved by the Office of Engineering and Technology for call sign WF2XBT, but with a smaller radius of operation. In addition, Microsoft intends to adhere to the special conditions listed in WF2XBT for each of the additional King County locations, including coordinating experimentation with the Society of Broadcast Engineers and limiting operation to coordinated frequencies.

Because Microsoft's research will further the development of innovative white spaces applications that will benefit consumers, Microsoft respectfully requests expedited processing of its modification application to help realize this goal in the near term.

¹ See Microsoft Research, Networking Over White Spaces, at <http://research.microsoft.com/en-us/projects/knowns/>.