

From: James Nolan

To: Behnam Ghaffari

Date: July 19, 2010

Subject: FCC File No. 0255-EX-PL-2010

Message:

FCC File No. 0255-EX-PL-2010

Response to FCC e-mail, 16 July 2010

Reference Number: 11317

Dear Mr. Ghaffari,

This email is in response to your inquiry of 24 June, 2010.

InterDigital has applied for an experimental license to test technology for operating in TV white spaces. We do understand our responsibility to absolutely avoid interference with TV stations licensed to operate in the requested band and will take the steps outlined below to prevent interference.

InterDigital will use the ULS and CDBS databases to determine which TV stations are licensed in our location. In addition, we will coordinate with the Society of Broadcast Engineers (?SBE?) that provides a service of local frequency coordination. We have already been in contact with the SBE Executive Director, Mr. John Poray, as well as one of the SBE local frequency coordinators who have explained the process and identified Mr. Louis Libin and Mr. John Caracciolo as appropriate contacts when we are ready to run over-the-air experiments. Mr. Poray's contact information is below:

John Poray
Executive Director, SBE
9247 North Meridian Street, Suite 305
Indianapolis, IN 46260
(866) 632-4222

We are aware of the TV Whitespace database activities, and the various companies that have sent proposals to the FCC to provide that service. Though the process is ongoing, if it is complete by the time of our experiments, we will contact the appropriate companies as a further means to insure protection of licensed users. Even if the selection process is not complete, we will consider contacting various companies for potential cooperation if their expertise is deemed necessary to be confident that we do not interfere with licensed users.

Though our application does request the use of frequencies spanning from 54 to 698 MHz, we would like to point out that our plan is to use a small number of unoccupied channels at one time. Initial experiments may even operate on one 6 MHz channel, though ideally we would hope to find several channels that can be used to demonstrate sensing, channel selection, and broadband communications.

Our initial plans are for indoor operation and short range, so the transmitted power can be kept low (approximately 100 mW or less) to further minimize potential interference. We understand that the SBE may provide guidance in this area and we can adjust experimental parameters to comply.