

From: Tan Zhang

To: Jose Trevino

Date: October 27, 2011

Subject: FCC file number 0533-EX-PL-2011

---

Message:

Response

1. It will cause interference to land mobile stations that are operating in these bands on the areas, what will you do to prevent this issue?

We will strictly follow the protocol specified in FCC 10-174 to avoid interfering with TV broadcasts and microphone transmissions. Specifically, two methods will be adopted.

1) Database query: both the base stations and client devices will query the database about available channels after boot-up and once every 24-hour. There are two databases we plan to refer to:

a) SpectrumBridge database(<http://whitespaces.spectrumbridge.com/whitespaces/home.aspx>)

b) Microsoft whitespace finder (<http://whitespaces.msresearch.us/WSWebGUI/whitespaces.aspx>)

2) We will ensure that the transmitted power is below the FCC mandated threshold via our spectrum measurement with a vector signal analyzer - Agilent 89641.

2. How many units is your project planning to deploy at consumers premises?

We plan to deploy 12 ? 15 WDR radios as whitespace clients at consumers? premises.

3. How long will this test run?

We plan to periodically run short tests of at most 30-60 minute duration. We envision the project to run for two years.

4. What will become of the user-installed equipment?

All the equipment is for experiment purpose only and we will turn off the equipment after each test.

5. Please send the statements to identify the test uses for experiment only, not for deployment.

We intend to transmit web based data traffic such as web browsing data and multimedia traffic periodically to measure the throughput and the latency over the long-distance whitespace networks under study.

6. Who will be a point of contact if interference occurs? (including name and telephone number)

Contact name: Prof. Suman Banerjee

Phone number: (608) 262-7387