

From: Roger Fraser

To: Leann Nguyen
Date: May 17, 2010

Subject: FCC File# 0229-EX-PL-2010

Message:

Applicant: Boundary County Community Television
File Number: 0229-EX-PL-2010
Correspondence Reference Number: 10930

1) Please explain why your company need entire frequency band. Please send additional details on how the system works.

We have requested the use of the a large portion of the TV band primarily for flexibility and simplicity. There is a considerable amount of white space available in Boundary County, ID throughout the entire band (29 of 50 channels) and multiple (available) channels will be used during the experiment to characterize performance as a function of frequency. However, under no circumstances will a protected TV band channel or protected entity be interfered with.

The system utilizes Spectrum Bridge's White Space Data Base Service, described in a proposal submitted in response to White Space Device Database Manager Proposal (Public Notice DA-09-2479), ET Docket No. 04-186.

Data output from Spectrum Bridge's ShowMyWhiteSpace interface depicting actual channel availability.

The data base architecture was developed based on the requirements for the TV Bands Database in FCC 08-260 and on discussions within various White Spaces forums and industry working groups (i.e. IEEE 802.22). The architecture is specifically designed to insure the regulatory requirements established by the FCC.

The solution utilizes all information regarding FCC-registered protected entities (e.g., TV Stations, PLMR/CMR, and BAS services, from the FCC's CDBS and ULS databases) and their associated exclusion zones and stores them in a GIS encoded database (or data repository) along with data regarding registered protected entities, such as wireless microphones and receive sites. The most recent data is acquired on a timely basis and insures compliance with FCC requirements.

2) It will cause interference to land mobile stations that are operating in these bands on the areas, what your company will do to prevent this issue?

Interference should be fully mitigated through the use of Spectrum Bridge's data base solution. Boundary County fully will cease operation of experiments in which interference issues cannot be resolved.

3) How many units is your company planning to deploy at consumers premises?

Less than 10.

4) How long will this test run?

12 months.

5) What will become of the user-installed equipment?

All equipment will be de-commissioned the experiments are completed or replaced with compliant devices certified in accordance with FCC rules.

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

Test uses:

- ? Remote Medical Record Access at Kootenai Tribal HQ
- ? Live video streaming of High School sports to local gathering location
- ? Low Power AM Broadcast radio support
- ? U.S. Forest Service ? wildlife monitoring via remote video
- ? U.S. Customs ? telemetry/monitoring at Canadian Border (coordinating with Industry Canada)
- ? Rural Broadband access

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

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