

7 March 2006

Ex Parte

Ms. Marlene Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Re: Unlicensed Operation in the TV Broadcast Bands, ET Docket No. 04-186

Dear Ms. Dortch:

On 6 March 2007, , Kevin Kettler, Dell's Chief Technology Officer, along with Jeremy Ford and Kerry Murray of Dell and undersigned counsel, met with Commissioner Copps and his legal advisor, Bruce Gottlieb, in connection with the above-noted matter. During this meeting we made the following points.

- There is an enormous new broadband wireless communications market waiting to explode in the TV white spaces. This new market will offer a variety of services and applications that are not available today. With the superior propagation characteristics of the white spaces, unlicensed wireless devices will be able easily to move enormous amounts of data around homes, schools, office and neighborhoods, and reach deep into rural areas to provide low-cost broadband service.
- The sale of HDTVs is an important business to Dell and it would not support the use of the white spaces if there were any realistic chance it would cause interference to broadcast TV.
- There is no technical reason why the FCC should not permit unlicensed personal and portable wireless devices access to the white spaces. Working together, Dell, Google, Hewlett Packard, Intel, Microsoft, Philips North America, and others have already developed the spectrum sensing technology to detect and avoid both broadcast signals and wireless microphone transmissions – and will next week provide a prototype device to the Commission for testing.
- The personal and portable devices proposed by Dell and the others would operate at a maximum transmit power of 100 milliwatts -- combined with mandatory transmission power

control which will drastically reduce the transmit power if necessary. The chance of these devices causing any interference to TV is nil.

- If the Commission decides to permit only fixed devices to use the white spaces, and to defer a decision on portable devices, the cost of the fixed devices will be so high that the Commission's decision would have little chance of increasing the availability of broadband in rural areas.
- If the Commission adopts the suggestion made by Dell and others to allow commercial use of white spaces only on those channels that are not used by public safety, it could easily create "public safety white spaces" on the non-commercial white space channels – giving public safety an enormous new broadband asset in which it could use low-cost commercial technology that is simply retuned to work on the public safety channels.

Please let me know if you have any questions about this filing.

Sincerely yours,

A handwritten signature in black ink that reads "SCOTT HARRIS". The signature is written in a cursive style with all caps.

Scott Blake Harris

cc: Commissioner Copps's Office