

Dear FCC,

Efficient use of spectrum is an extremely important goal. Currently, large amounts of spectrum are unused and large amounts of spectrum are used inefficiently. Cognitive radios will allow use of unused spectrum and non-interfering use of spectrum being used inefficiently.

An area that should be explored further is the use of Internet connectivity to allow a radio to access a database that would indicate which frequencies are currently in use in what areas. The radio would not transmit (or would be limited to low power) if it were unable to access the database.

The FCC should define methods of notifying other transmitters that a frequency is in use. The FCC should also open spectrum to unlicensed, non-interfering uses.