Federal Communications Commission
Office of Engineering and Technology
Laboratory Division

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OPERATIONAL MODES SUGGESTED FOR DFS TESTING

Special operational modes may to be used to expedite DFS testing and avoid time intensive rebooting of the device, or having to turn off the device to reset it. These modes shall represent the same operational radar detection capability as normal marketed modes and shall not be available, operational or present in marketed devices. Access to this capability shall be strictly limited to the grantee through prudent security practices.

Suggested capabilities:

1) Ability to turn on/off test mode in order to verify normal operation under normal DFS tests.

2) Display radar detection(s).

3) Upon radar detection, the test mode should disable the 30 minute non-occupancy period and return the device to the original test frequency within a few seconds. It is acceptable to disable the channel move upon radar detection while in test mode. This will keep the device on the test frequency.

4) Test frequencies should not be hard coded into any test mode since they are randomly selected by the test engineer.

5) Ability to reset and / or edit the "blocked" frequency list.

6) Ability to turn on/off "Channel Availability Check Time" if the device has to reboot as part of normal DFS operation when radar is detected.

7) Test mode interfaces such as an ASCII terminal interface or Web based interface (this requires an automatic refresh of the web page at an interval sufficient to not slow down test time).