



Jim Nicholson
EMC Compliance Engineer
Cisco Systems, Inc.
4125 Highlander Parkway
Richfield, OH 44286

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Federal Communications Commission
7435 Oakland Mills Road
Columbia MD 21046

Subject: CRN 32752 Reply

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To Whom It May Concern:

Question 1) Please submit expanded plots for the channel transmission closing time demonstrating that the device vacates the channel in the required 200 ms. these plots should not have a sweep greater than 600 ms.

Response: Included in the updated DFS Test Report

Question 2) The device has multiple antenna ports. Can all ports be used at the same time? How do the configurations impact the antenna gain?

Response: The device transmits on 2 ports simultaneously, and receives on 3 ports simultaneously. The maximum supported antenna gain for all bands and all operating modes is 6dBi. In beam forming mode, the 6dBi behaves as $6\text{dBi} + 10\log(n)$ ($n=2$ radiating elements) = 9dBi.

Question 3) All modes of operation must be tested. The DFS test report only conducted detection bandwidth tests in 20 MHz and 40 MHz. The rest of the tests appeared to be done in 20 MHz mode. Please submit updated information on the 40 MHz BW operation.

Response: All other DFS test results reflect both 20MHz and 40MHz performance. The DFS test report has been updated with this information.

Question 4) How is the user prevented from disabling DFS and/or transmitting in frequencies not authorized in United States?

Response: See the Software Theory of Operation for details.

Best Regards,

A handwritten signature in blue ink, appearing to read "Jim Nicholson".

Jim Nicholson
EMC Compliance Engineer