

**Chris Harvey**

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**From:** Jim Nicholson (jimnicho) [jimnicho@cisco.com]  
**Sent:** Tuesday, September 27, 2005 6:03 PM  
**To:** Compliance Certification Services  
**Cc:** Barbara Judge; Mike Kuo; Michael Heckrotte  
**Subject:** RE: Cisco Systems, Inc., FCC ID: LDK102058, Assessment NO.: AN05T5120, Notice#1

-----Original Message-----

From: Compliance Certification Services [mailto:charvey-tcb@CCSEMC.com]  
Sent: Friday, September 23, 2005 11:18 AM  
To: Jim Nicholson [jimnicho@cisco.com]  
Cc: charvey-tcb@CCSEMC.com  
Subject: Cisco Systems, Inc., FCC ID: LDK102058, Assessment NO.: AN05T5120, Notice#1

Jim,

I have begun the review of the above referenced Pt. 15 and Pt. 90 applications and have found that the following items need to be addressed before the application review can be completed.

1. The Form 731 for the FCC Pt. 90 application indicates that the Bandwidth being requested is 25MHz (25M0G7D), however the FCC will only authorize a maximum of 20MHz channel bandwidth in FCC 90 Subpart Y. The test report documents the 26dB bandwidth. The FCC requires the measurement of the 99% bandwidth. The Pt. 90 portion of this device seems to operate with a measured bandwidth that exceeds the maximum 20MHz Channel Bandwidth. The measured 99% Bandwidth must not exceed the maximum allowed channel bandwidth (20MHz).**[JN]** I will work with Mike Heckrotte tomorrow at CCS to record this measurement.

2. MPE is calculated with separate operation and the Operational Description indicates that the unit apparently operates simultaneous with 802.11b/g (2.4GHz) and 802.11a (5.7GHz). The MPE exhibit needs to be recalculated for simultaneous transmission in accordance with OET 65.**[JN]** I've included this in the data for the 2.4GHz transmitter.

3. The test reports do not indicate that testing was performed in accordance with TIA/EIA 603B nor do they adequately document the test procedures used for the compliance measurements. Please submit the test procedures used for compliance tests that are referenced in Appendix C. In the future please include these test procedures in the test report documentation.**[JN]** Test procedures were included in response to the 2.4/5GHz test report.

4. The Fieldstrength of Spurious Radiation emissions for licensed devices (such as Pt. 90-Y) are to be measured using the substitution method in accordance with FCC 2.1053 and TIA/EIA-603B. Please provide documentation of compliance with this requirement.**[JN]** I will work with Mike Heckrotte tomorrow at CCS to record this measurement.

5. Please confirm that the Peak Power Output measured has been measured as a conducted emission over any interval of continuous transmission calibrated in terms of an RMS-equivalent voltage in accordance with FCC 90.1215.**[JN]** The peak power procedure is included in the 2.4/5GHz test report response.

note: This approval request is for a composite FCC 15.247 and FCC Pt. 90 Subpart Y device, submitted under 2 applications. Questions pertaining to the FCC 15.247 portion of this application are under separate cover.

Best regards,  
Chris Harvey  
charvey-tcb@ccsemc.com

9/28/2005

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.