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To Whom It May Concern:

BACL in cooperation with Ixia has compiled the following responses to FCC correspondence: 42761 regarding FCC ID: RCXGC617644. Following is the original FCC Correspondence with responses featured in red. This device is an 802.11 a/b/g Wireless Multi Client Emulator designed to aid in the testing of wireless networks; it is not an access point and does not employ Master capabilities. The necessary clarifications, revisions, and upload of requested documentation has been completed. If there are any other concerns or questions regarding this submission please contact us at bacl.regulatory@baclcorp.com. Thank you.

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From: Generic Office of Engineering Technology [mailto:oetech@fccsun27w.fcc.gov]Sent: Tuesday, September 04, 2007 12:04 PM
To: Al Cummins
Subject: FCC Equipment Authorization System
To: Al Cummins
From: Carlos Bonilla
Carlos.Bonilla@fcc.gov
FCC Equipment Authorization Branch
Re: FCC ID: RCXGC617644
Applicant: Ixia
Correspondence Reference Number: 42761
731 Confirmation Number: TC438440
Date of Original Email: 09/04/2007

Subject: FCC Equipment Authorization System

Please review the following observations and clarify thoroughly

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1) Please submit full operational description for FCC ID: RCXGC617644 as soon as possible. The operational description exhibit submitted on this application does not correspond to the EUT.

Response: The previous operational description pertained solely to the radio card modules in the device; we request that this exhibit be removed from the filing and replaced by the Revised Theory of Operation which we have uploaded that pertains specifically to the device and how it utilizes the radio cards in order to simulate multiple client devices.

2) The radio circuit card in this device can be used to initiate network traffic, hence, requiring full DFS tests.

Response: True, the radio cards could be used to initiate network traffic, but they are not used for that purpose in this device. The control software (configured by Ixia at the point of manufacture) does not allow or make provision for the initiation of network traffic. The device is not designed to act as an Access Point, it is a Network Testing Device designed to emulate multiple client devices. (Please see User's Manual, Revised Theory of Operation, and Revised Test Reports for details)

3) User manual suggests internal load injection of EUT; this is not descriptive of a client device.

Response: We suspect that there is some confusion originating from the word "load." This is not a process such as loading software; this is a load in a more physical sense. This is referring to the application of a load (or strain) upon a network. This device uses a third party load generator and then disperses that load to a network in a fashion similar to if there were many client devices connected to a single network. In this way it loads the network to its capacity. This device is designed to test network access points by loading them to capacity or overloading them depending on what is being tested. Nonetheless, the suggestion of internal load injection has been removed from the user's manual page 12 to alleviate any concerns that might arise from this.

4) EMC test report describes this device as "EUT is an 802.11 a/b/g wireless AP device that operates on 2412-2462 MHz, 5150-5350 MHz, 5470-5725 and 5725-5825 MHz bands". This is not descriptive of a client device.

Response: The test reports have been revised to describe the device as a "802.11 a/b/g Wireless Multi Client Emulator" which is an accurate description of the device (please see the Users Manual and Theory of Operation for more details). As the device does not control, allow, or operate as a master device and since its function is to emulate the presence of multiple client units, it cannot be considered a Master device. This device is designed to aid in the testing of wireless networks but is not a network access point. Thus, DFS testing for Master devices is not applicable to this device.