

Mike Kuo

From: Kyle Fujimoto [kyle@celectronics.com]
Sent: November 13 2003 Thursday 7:52 AM
To: Mike Kuo
Subject: RESPONSE: FCC ID:RFM-ACCESS-ONE, AN03T3261 (UNII)



AccessOne Network User Guide_1... Access_One Quick Start Guide_1... HP_8482H_Power_Sensor_Informat... WLL4030 ecification0701_11-

Mike,

We are answering your questions here due to being unable to access the questions on the website.

Question #1: As indicated in the test report, output power was measured with power meter. Section 5.2 of main test report did not list such power meter. Please provide the power meter information. Since you are using power meter to measure DTS, please also provide the power sensor specification to make sure the bandwidth is wide enough to measure this device.

Reponse: We are using the Hewlett Packard Power Meter (Model: 436A, S/N: 2236A15362, Cal Due Date: June 20, 2003) with the Hewlett Packard Power Sensor (Model: 8482H, S/N: GG00000006, Cal Due Date: June 20, 2003). Also attached will be the Application Note from Agilent showing the 8482H sensor has an unlimited bandwidth range).

Question #2: In the Expository statement made by the applicant, this device can communicate with Bluetooth device. Based upon this device is equipped with 802.11 a/b/g radio, please explain how this device can communicate with Bluetooth device.

Response: From client "The Access/One (tm) Network has a Bluetooth radio module which we will be adding to this approval shortly. If this is of concern, then let's drop the reference to the Bluetooth Functionality until we come back with the Bluetooth test data to add to this approval."

The client just wants to approve the 802.11 stuff right now.

Question #3: In accordance with user manual, the 802.11 a/b/g radio will be shipped as add-on device. In the user manual provide the instruction on how to install this radio. In addition, user manual also indicates that this device can detect the type of antenna that can be used with this radio. Please provide detail technical description to explain how such detection can be done. Reply to this question will be used to determine the integral antenna requirements for 5.15-5.25GHz band as required per section 15.407(d) of FCC rules.

Response: From the Client -- "The radio module installation instructions we provided in the Quick Start Guide which was provided earlier...however, I have attached it again. These instructions are repeated in the full Users Guide which is attached. Also, we use a programmed EPROM in our antenna module. When the node powers up, the system interrogates the antenna module, looking for a Strix Systems identifier. If it finds the correct identifier, the system will allow the M-PCI radio module(s) to transmit and receive normally. If the wrong identifier is detected, or if no identifier is detected, the system will not allow the M-PCI radio module to transmit or receive in any manner. This method of antenna identification has been approved for Strix by the FCC. If necessary we can provide e-mail verification of same."

Question #4: Please address the requirement per section 15.407(a)(7) of FCC rules.

The EUT uses the standard program that most access points use for setting the channel. A look at the 6dB bandwidth plots shows the frequency of the fundamental is right where they are supposed to be (i.e. 5180 MHz, 5260 MHz, 5320 MHz).

Question #5: Please provide information to address section 15.407(g) of FCC rules.

Response: "The Askey M-PCI radio card that we use has been tested for compliance with the frequency stability requirements of section 15.407 (g) of the FCC rules, as has the Atheros chipset which is used in the M-PCI radio module. Frequency stability is maintained over the range of 0 degrees celsius to +70 degrees celsius. I have attached the Askey datasheet for the M-PCI radio we are using. In addition, Strix has performed DVT four-corners testing in a temperature chamber to confirm proper transmitter operation over our stated frequency range of operation 5 degrees celsius to 45 celsius. This data is proprietary however. Strix Systems is satisfied that we fully comply with our obligations under section 15.407 (g) of the FCC rules."

Question #6: Please provide operational description or theory of operation.

Response: From Client: "Attached is the complete users guide with all information required. Comment: There is nothing unique about an 802.11x wireless access point."

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

From: Mike Kuo <MKUO@CCSEMC.com>
To: "kyle@celectronics.com" <kyle@celectronics.com>, "Scott McCutchan (E-mail)" <scott@celectronics.com>
Date: Mon, 10 Nov 2003 15:19:46 -0800
Subject: Strix Systems, FCC ID:RFM-ACCESS-ONE, AN03T3261 (UNII)

> Hi Scott and Kyle :
>
> Sorry for the long delay. I have done the technical review with the
> following questions:
>
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> Question #6: Please provide operational description or theory of
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>
>
>
> Best Regards
>
> Mike Kuo
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