Chris Harvey

From: C.K. Li [cli@kyocera-wireless.com]
Sent: Wednesday, September 07, 2005 3:59 PM
To: Compliance Certification Services
Cc: charvey-tcb@ccsemc.com
Subject: Re: Kyocera Wireless Corp, FCC ID: OVFKWC-KX5-5X0, Assessment NO.: AN05T5102, Notice#1


OVFKWC-KX5-5X0_ Updated Bluetoo...


Tech ription_BT_090605.p


Exhibit /FKWC-KX5-5X0_ Up


OVFKWC-KX5-5X0_ Updated Schemat...


OVFKWC-KX5-5X0_ Block Diagram.p...


OVFKWC-KX5-5X0_ Updated Request...


ATT00814.txt (59 B)

Chris,

Please see below answers to your corresponding questions:

1. Updated Bluetooth Radiated Emissions report attached.

2. See item #1 above.

3. Noted.

4. Updated internal photographs attached.

5. The Bluetooth antenna was included in the schematic diagram and designated as "J2". A new label marked "Bluetooth Antenna" has been added (see attached).

6. See attached Block diagram and updated confidentiality letter.

7. FCC 15.247 Bluetooth Declaration is included in the updated technical description (see attached).

Regards,

CK Li
Kyocera Wireless Corp.

At 05:12 PM 9/1/2005 +0000, Compliance Certification Services wrote:
>Dear CK Li,
>
>I have reviewed the above referenced application (Bluetooth portion)
>and
>have the following items that need to be addressed before the review can
>be completed:
>
>1. Bluetooth Radiated Emissions test report documents compliance with
>ANSI
>C63.4:2001, which should be updated the compliance with ANSI C63.4:2003 as
>required by the FCC. Please ensure testing has been performed correctly
>and NSA performed in accordance with ANSI C63.4:2003 and update to
>document compliance.
>
>2. There is no indication that portable this device was tested for
>radiated emission in 3 orthogonal axis. Please ensure that this device
>was tested in the 3 orthogonal axis and update the test report accordingly.
>
>3. Please note that the FCC 15.247 test report shows 20dB Bandwidth
>plots

>performed with a 300kHz RBW, which is wider than needed. Although the
>data shows compliance with the <1MHz 20dB Bandwidth limit, for future
>testing please use a RBW that is narrower (i.e. 10kHz) to measure the 20dB
>Bandwidth of a Bluetooth transmitter.
>
>4. Please provide internal photographs that clearly identify the
>Bluetooth
>Circuitry and antenna inside this handset device.
>
>5. The schematic diagram for the Bluetooth circuitry does not seem to
>be
>complete or contain the antenna. Please update the Bluetooth schematic
>diagram.
>
>6. The Block Diagram of the Bluetooth is contained in the Technical
>Description exhibit. The FCC requires a separate exhibit for Block
>Diagram. Since the Technical Description is a confidential document this
>block diagram cannot just be extracted from this exhibit. Please provide
>a separate Block Diagram exhibit for the Bluetooth portion of this device
>and update the confidentiality exhibit if confidentiality is needed for
>the block diagram.
>
>7. This device is stated as being compliant with the Bluetooth
>Specification 1.1 and 1.2, which by design comply with many of the FHSS
>requirements of FCC 15.247. The documentation does not declare specific
>compliance with the FCC 15.247(a)(1) (g) and (h) for the following items:
>a. Is the hopping sequence pseudorandom, based on the technical description?
>b. Is each channel used equally on average, based on the technical
>description?
>c. Does the associated system receiver have a compliant input bandwidth,
>based on the measured 20 dB emission bandwidth?
>d. Does the associated system receiver have the ability to hop in
>synchronization with the transmitter, based on the technical description?
>e. Does the design of the frequency hopping system allow it to comply with
>all pertinent requirements when presented with a lengthy data stream per
>15.247(g)?
>f. Does the frequency hopping system comply with the non-coordination
>requirement per 15.247(h)?
>Please provide a declaration to these specific FCC 15.247 requirements for
>FHSS devices (a sample can be provided if you need).
>
>Best regards,
>Chris Harvey
>charvey-tcb@ccsemc.com
>
>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.