

Chris Harvey

From: C.K. Li [cli@kyocera-wireless.com]
Sent: Wednesday, September 07, 2005 1:13 PM
To: Compliance Certification Services
Cc: charvey-tcb@ccsemc.com
Subject: Re: Kyocera Wireless Corp, FCC ID: OVFKWC-KX5-5X0, Assessment NO.: AN05T5101, Notice#1

Chris,

Below please found the more detail supporting info you requested:

1) **OVFKWC-KX5-5X0** supports CDMA2000 in 1X (Phase I, Protocol revision 6) mode only. CDMA2000 1X includes TIA/EIA-95B as a subset and was approved for publishing in July 1999. It provides voice and data capabilities within a standard 1.25 MHz CDMA channel. This RF bandwidth is identical to the legacy IS-95 B system standard.

For Part 22 and 24, all of CDMA measurements were conducted with Agilent 8960 as a base station simulator. The base station simulator establishes a CDMA link with the test device. The CDMA link that was configured via 8960 for all of measurements as follows.

- Radio Configuration: RC1
- Service Options: SO2
- Code domain channels: R-FCH + R-PICH
- Cell Power: -100 dBm/1.23MHz to 103 dBm/1.23MHz
- Data Rate: full rate

To perform SAR tests, the phone was placed in test code mode to transmit maximum power at full rate for the specified channel. The CDMA signal tested was TIA/EIA-95B based, i.e. RC1, SR1 and R-FCH only and full rate. SAR value depends on the transmitter power level and the duty cycle of the power being transmitted. The test device was placed in the test code mode in order to maintain the maximum outputs in all applicable modes during the entire SAR testing. Since the tests were conducted at all channels with phone transmitting maximum power and at full rate, these measurements would indicate the maximum possible SAR value for that particular channel irrespective of RC's, SO's and other data rates. As long as these measurements demonstrate SAR compliance, it should also demonstrate compliance for other configurations that were not tested.

2) Please see updated radiated emission test report (attached).

I trust these have answered you questions.

CK Li
Kyocera Wireless Corp.

At 05:03 PM 9/1/2005 +0000, Compliance Certification Services wrote:

Dear CK Li,

I have reviewed the above referenced application (Pt. 22/24 portion) and have the following items that need to be addressed before the review can be completed:

1. The Operational Description indicates that this device supports certain CDMA2000 Radio-Configurations (RC's). As other devices from Kyocera also support these same RC's, and in light of the FCC's concern about proper operation to at rated average output and crest factor (max/min) to produce the worst possible RF Exposure during SAR testing. Please provide additional explanation (as you have for other applications) to further explain the CDMA2000 modes in this device and the steps taken during testing to ensure the worst case modes were tested.
2. The Radiated Emissions test report has the following items to be addressed: OATS measurements show several points with <20dB margin but no substitution method data provided as stated; test method states ANSI C63.4:2001, as do the measurement descriptions and not the required version of EIA/TIA 603B; test configuration figure does not show substitution method; test equipment list does not show equipment for performing substitution method; there is no indication in the report that the orientation of the handset was changed to determine worst case emissions. Please correct/update the test report.

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.