Class II Permission Change Application for HAC Compliance
FCC ID: OVFKWC-KX5-5X0
731 Confirmation number: EA313870
Correspondence Reference Number: 29831

Response B

Prepared by: Jagadish Nadakuduti
Reviewd by: Lin Lu

10-21-2005

This document is generated in response to the queries asked in the e-mail from FCC Equipment Authorization Branch titled "FCC ID: OVFKWC-KX5-5X0" with Correspondence Reference # 29831, 731 Confirmation # EA313870. The queries asked in the e-mail received by C.K. Li on 20th of October 2005 are listed below followed by the responses for each of the questions.

X-BigFish: vpcs-40(zz1936I655IH128aO1b0bMec5J15b2R200bizzzzz2dh)

Date: Thu, 20 Oct 2005 09:56:56 -0400 (EDT)

From: Generic Office of Engineering Technology <oetech@fccsun27w.fcc.gov>

To: cli@kyocera-wireless.com

Subject: FCC Equipment Authorization System

To: C. K. Li, Kyocera Wireless Corp

From: Stan Lyles

Stanley.Lyles@fcc.gov

FCC Application Processing Branch

Re: FCC ID OVFKWC-KX5-5X0

Applicant: Kyocera Wireless Corp.

Correspondence Reference Number: 29831

731 Confirmation Number: EA313870

A. Regarding your answer to question 1c. Please demonstrate that peak and average power do not change for RC1 and RC3. In the future please test both.

B. Regarding your answer to question 1f. Please demonstrate that peak power does not change for the lower vocoder rates.

C. Regarding your answer to question 2. Please provide details supporting the power measurements made for PMF. The information should demonstrate that the power levels were set correctly. If a peak power meter was used please provide critical settings and readings.

FYI

Regarding your answer to question 5. Simply being within 10% of the verification target value does not guarantee that reflections are not an issue. Reflections should be handled independently.

Regarding your answer to question 6. Please assure that future reports reflect the difference between probe center and nearest point.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal pursuant to Section 2.917 (c) and forfeiture of the filing fee pursuant to section 1.1108.

DO NOT reply to this e-mail by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, in order to expedite processing, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. 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.

Question: A) Regarding your answer to question 1c. Please demonstrate that peak and average power do not change for RC1 and RC3. In the future please test both.

The following peak and average measurements were conducted for RC1 and RC3 configurations using an 8541C Giga-tronics power meter.

Mode	RC1		RC3	
	Peak (dBm)	Average (dBm)	Peak (dBm)	Average (dBm)
CDMA 800 (Ch# 383)	29.39	25.71	29.1	25.67
CDMA 1900 (Ch# 600)	28.39	23.42	28.13	23.25

Question: B) Regarding your answer to question 1f. Please demonstrate that peak power does not change for the lower vocoder rates.

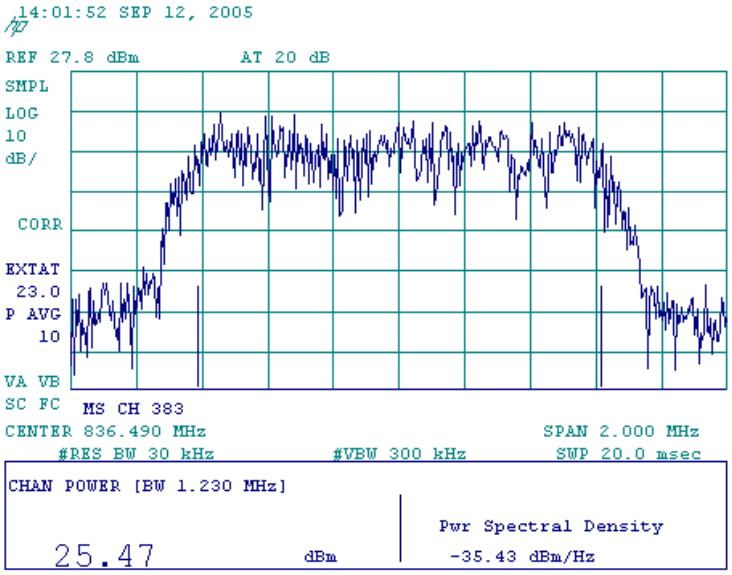
The following power measurements conducted using a calibrated Giga-tronics 8541C power meter for various vocoder rates indicates no change in peak power values.

Vocoder Rate	RC3, Peak Power (dBm)	
	CDMA 800 (Ch# 383)	CDMA 1900 (Ch# 600)
Full	28.88	27.71
Half	28.71	27.59
Quarter	28.87	27.82
Eighth	28.77	27.91

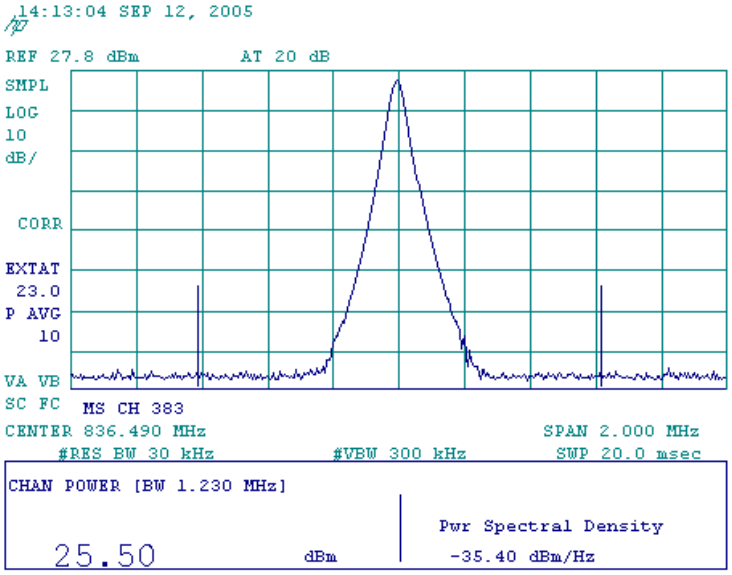
Question: C) Regarding your answer to question 2. Please provide details supporting the power measurements made for PMF. The information should demonstrate that the power levels were set correctly. If a peak power meter was used please provide critical settings and readings.

For the Probe Modulation Factor measurements, an 8594E spectrum analyzer (with CDMA personality software) was used to measure the power. The following are the plots demonstrating equal amounts of power were given as input to dipole from both the wireless device and the CW signal generator.

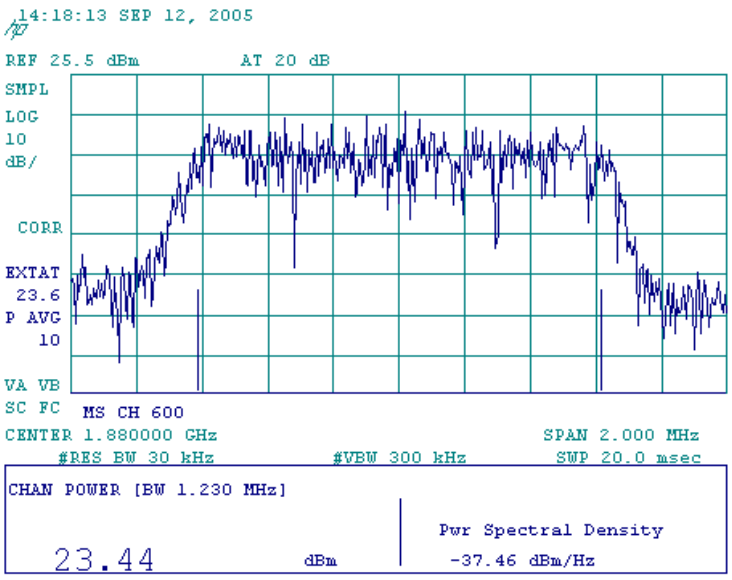
CDMA 800 Channel 383 from the wireless device:



CDMA 800 Channel 383 from the CW signal generator:



CDMA 1900 Channel 600 from the wireless device:



CDMA 1900 Channel 600 from the CW signal generator: