

Chris Harvey

From: Lin Lu [llu@kyocera-wireless.com]
Sent: Friday, October 14, 2005 6:31 PM
To: Chris Harvey; 'Mike Kuo'
Cc: cli@kyocera-wireless.com; llu@kyocera-wireless.com
Subject: Re: Fwd: CDMA2000 modes and IS-95 compatibility

Chris,

The Exhibit 1 submitted in both original applications, OVFKWC-KX160B (AN05T5152) and OVFKWC-KX18 (AN05T5169), has addressed to your questions in the email below.

In summary, both KX160B and KX18 operate in the CDMA mode specified in IS-2000.2 standard, release 0. They support radio configuration 1 and 3. For RC 1, the creation of s(t) (signal) nets an identical waveform to the waveform created in the legacy IS-95B system / standard. Thus, backwards compatibility is insured. For RC 3, s(t) differs in a manner as described in the Exhibit 1, section 9.2. However, even though the composite waveform differs, the resultant is still based upon Spreading Rate 1 using the direct-sequence CDMA technique as defined in IS-2000.2, release 0. Thus the 3dB bandwidth is still 1.25MHz, and all of the channels share the same CDMA frequency assignment, as in the legacy 95B system. In other words, for RC3, SR1 in IS-2000, the frequency response is identical to the legacy IS-95 B system standard. Therefore, configuring the test device in either RC1 or RC3 is a valid test condition for all of FCC measurements.

Hope this helps.

Thanks,
Lin Lu

X-BigFish: vpcs-10(z519izfa7M4015Mzzzzc40lz2dh34M)
From: "Chris Harvey" <Chrisharveyemc@comcast.net>
To: "C.K. Li" <cli@kyocera-wireless.com>
Cc: "Mike Kuo" <mike.kuo@ccsemc.com>
Subject: CDMA2000 modes and IS-95 compatibility
Date: Tue, 11 Oct 2005 07:24:54 -0400
X-Mailer: Microsoft Outlook, Build 10.0.4510
Importance: High

CK, the FCC has been clarifying their position on the CDMA2000 modes that are considered non-new-technology. The FCC has indicated that they consider CDMA2000 RC1 and RC2 as old technology since they are IS-95 compatible and all other modes are new technology. I see that your devices use the following:

RC3 Reverse Fundamental Channel and demodulation of RC 4, 5 or 5

RC3 Reverse Fundamental Channel, RC3 Reverse Supplement Channel 0 and demodulation of RC 3, 4 or 5

(AN05T5152 & AN05T5169)

I am trying to confirm from you if these modes are considered IS-95 compatible, and thus old

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technology, or if these are considered new technology. Please provide further assistance so we can get these resolved.

Thanks,

Chris

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