From: Mark Schutzer [MSchutzer@iwv.com]
Sent: Wednesday, July 24, 2002 10:53 AM
To: Mike Kuo
Cc: Tom Cokenias (E-mail)
Subject: RE: interWAVE Communications, Inc., FCC ID:OEWCX-DS3-53G, An02T2050

Mike,

I have uploaded the additional files, additionalplots.pdf, and additional_53_letter.pdf that contain the power measurements as requested. Please let me know if you have any questions concerning the measurements.

Regards,

Mark Schutzer
Director of Technology
interWAVE Communications, Inc.

> -----Original Message-----
> From: Mike Kuo [mailto:MikeKuo@CCSEMC.com]
> Sent: Tuesday, July 23, 2002 9:54 AM
> To: 'MSchutzer@iwv.com'
> Cc: Tom Cokenias (E-mail)
> Subject: FW: interWAVE Communications, Inc., FCC ID:OEWCX-DS3-53G,
> An02T20 50
>
>
>
>
> -----Original Message-----
> From: CERTADM
> Sent: Monday, July 22, 2002 6:37 PM
> To: 'mkuo@ccsemc.com'
> Subject: interWAVE Communications, Inc., FCC ID:OEWCX-DS3-53G, An02T2050
>
>
> Notice_content
> -------------
> Question #1: Peak conducted transmit output power: As stated in the main
> test report, the test procedure adopted in ETSI 300 328. ETSI 300 328 is
> used for Wireless LAN with frequency range from 2400 -2483.5MHz.
> The EUT is
> 5.8GHz UNII transceiver which is not applicable to ETSI 300 328. The ETSI
> standards which are related to 5.8GHz transceiver are : Draft EN
> 301 393 and
> ETSI 300 836. However, the test procedure indicated in these two
> documents
> are for EIRP measurements. The guideline for measuring UNII Peak output
> power has been discussed among industrial and FCC did make some changes.
>
> The newest guideline in performing the peak conducted output power are :
>
> Please remeasure the output power in accordance with the

> following. List the
> method used, and list the VBW for each data.
>
> Peak conducted transmit output power.
> Peak output power shall be measured with no video averaging and
> with a video
> bandwidth (VBW) greater than or equal to the larger of:
> -- EBW/(2*pi*30), where EBW is the 26-dB emission bandwidth
> -- 1/(2*pi*T), where T is the transmission pulse duration over which the
> transmission is continuous and average symbol envelope power is constant.
>
> Compliance with either of the following methods is acceptable.
> 1) Use a peak power meter applicable for the transmission pulse duration.
> Any low-pass filtering in the meter must comply with the VBW requirement
> above.
>
> 2) Use an analyzer with resolution bandwidth (RBW) greater than emission
> bandwidth.* Use a video filter with VBW as specified above. Use peak
> detector and max hold settings with no averaging. Analyzer should be in
> linear (rather than log) display mode.
> * For Broadband emissions where the available analyzer bandwidth is less
> than emission bandwidth, set RBW = 1 MHz and V
> BW as specified above. Use peak detector and max hold settings with
> no averaging. The analyzer should be in linear (rather than log) display
> mode. Compute power by integrating the spectrum across the 26-dB EBW or
> apply a bandwidth correction factor of 10log(EBW/1 MHz) to the
> spectral peak
> of the emission. The integration can be performed using the spectrum
> analyzer's band power measurement function with band limits set
> equal to the
> EBW band edges or by summing power levels in each 1-MHz band in
> linear power
> terms. The 1-MHz band power levels to be summed can be obtained by
> averaging, in linear power terms, the peak-detected,max-hold
> power levels in
> each frequency bin across the 1 MHz.
>
> Please note: If the measured output power is different than the value that
> are documented in the test report, the main test report, MPE calculation
> must be updated in accordance with newly measured value.
>
> Best Regards
>
>
> Mike Kuo / TCB Certifier
> 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 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.
>