

From: etcemi-seed [etcemi@seed.net.tw]
Sent: Monday, August 12, 2002 3:21 AM
To: Mike Kuo
Subject: Re: Agere Systems Nederland B.V., FCC ID:IMRWLPCE508A,
AN02T2145

Dear Mike:

Thank you for your reviewing our application project.

The following is the answer to your question.

Answer 1: Please refer to Techincal_Description.pdf.

Answer 2: Please refer to Exhibit-E-User_Manual.pdf.

Answer 3: Please refer to Exhibit-E-User_Manual.pdf

Answer 4: We have submit to you in the pervious reply e-mail.

Answer 5: Please refer to Test_Data.pdf

If you need more document and instruction, please advise us.

Thank you very much.

Best regards,

Will Yao / ETC

----- Original Message -----

From: Mike Kuo <MikeKuo@CCSEMC.com>
To: Will Yao (E-mail) <etcemi@seed.net.tw>; Will Yao-Personal (E-mail)
<willyyao@pchome.com.tw>; <etcemi@ms29.hinet.net>
Sent: Thursday, August 08, 2002 8:13 AM
Subject: Agere Systems Nederland B.V., FCC ID:IMRWLPCE508A, AN02T2145

>

> Question #1: The operational description for this device is not acceptable.

> There are some important information have not been addressed. Please
> provide detail operational description in addressing the following
> requirements:

> a. Section 15.407(c)

> b. Section 15.407(g)

>

> Question #2: Per section 15.407(e) requirements, device operates in
> 5.15-5.25GHz band, the operation is restricted to indoor operations.

Please

> revise user manual to include such warning statement.

>

> Question #3: The FCC ID number listed in page 26 of user manual does not
> agree with the proposed FCC ID number. Please make necessary correction.

>

> Question #4: The peak conducted transmit output power: The channel
> bandwidth used in 22MHz which is less than -26dB bandwidth. Please redo

> peak conducted output measurement with channel bandwidth equal to -26dB.
FCC

> recommended peak conducted transmit output power are :

>

> 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:

> -- $EBW/(2\pi \cdot 30)$, where EBW is the 26-dB emission bandwidth

> -- $1/(2\pi \cdot T)$, 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 VBW 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 $10\log(EBW/1 \text{ MHz})$ 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.

>

> Question #5: Please provide radiated emission data to demonstrate 15.407(b)(6) /15.205 requirements.

>

> Best Regards

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> 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.

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