

from tim.dwyer@ccsemc.com hide details 4:57 PM (4 hours ago)  

to temple@ktl.re.kr,  
cc tim.dwyer@ccsemc.com,  
date Feb 11, 2008 4:57 PM  
subject Int information system Co.Ltd, FCC ID: VZAIN910HA, Assessment NO.: AN08T7573, Notice#1

Dear Mr. Kim,

Review of this application is complete. Please reply to the following issues. After these issues are resolved, the grant can be issued.

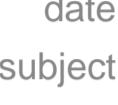
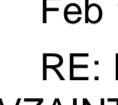
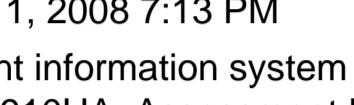
Q1: The maximum frequency investigated is not stated in the test report. Please confirm that radiated and conducted spurious emissions were investigated up to a maximum frequency of at least  $10 * f_0 = 9.28$  GHz.

Q4: Please confirm that exploratory radiated emission measurements were performed with rotation through 3 orthogonal axes as required by ANSI C63.4:2003 13.1.4.1(c) for hand held devices.

Best regards,

Tim Dwyer  
Technical Reviewer

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.

from <temple@ktl.re.kr> hide details 7:13 PM (1 hour ago)  

to tim.dwyer@ccsemc.com,  
date Feb 11, 2008 7:13 PM  
subject RE: Int information system Co.Ltd, FCC ID: VZAIN910HA, Assessment NO.: AN08T7573, Notice#1

Dear Tim,

For you question,

Q1: The maximum frequency investigated is not stated in the test report. Please confirm that radiated and conducted spurious emissions were investigated up to a maximum frequency of at least  $10 * f_0 = 9.28$  GHz.

-> if I state the maximum frequency range such as the spectrum from 30 MHz to 10 GHz is investigated with the transmitter. Is that enough?

Q4: Please confirm that exploratory radiated emission measurements were performed with rotation through 3 orthogonal axes as required by ANSI C63.4:2003 13.1.4.1(c) for hand held devices.

→ I stated this axes in the test report page 22, the worst case is Y axes. If it is not enough, I'm going to state in the procedure in the test report.

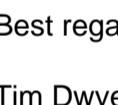
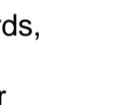
Do you think I understood your question now?

Thanks

Senior Engineer  
Telecommunication team  
Korea Testing Laboratory  
TEL) +82-31-5000-131  
E-mail) [temple@ktl.re.kr](mailto:temple@ktl.re.kr)

bum-jong KIM

- Show quoted text -

from Tim Dwyer <Timothy\_Dwyer@ieee.org> hide details 7:52 PM (1 hour ago)  

to <temple@ktl.re.kr>,  
date Feb 11, 2008 7:52 PM  
subject Re: Int information system Co.Ltd, FCC ID: VZAIN910HA, Assessment NO.: AN08T7573, Notice#1  
mailed-by gmail.com

Dear Mr. Kim,

I see you stated Y axis is worst case, but it does not say how many axes were investigated. It is always better to give a little more detail or we need to ask questions and take a little longer. This is not CCS' requirement, but FCC's. You can help to speed up the grant process if you provide some more detail in your reports. Most test reports state "Tested in x, y, z axis and worst case results are reported" or something similar. Note this is a requirement for hand held and body worn devices only.

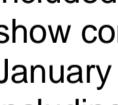
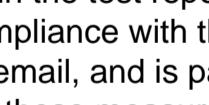
For this time however, if you send an email stating you investigated 3 axes, it will be enough.

Your reply to Q1 is also ok, and email is enough.

Best regards,

Tim Dwyer

2008/2/11 <temple@ktl.re.kr>:  
- Show quoted text -

to Tim show details 8:34 PM (36 minutes ago)  

Dear Mr. Dwyer,

Thank you for your help.

Now it is clear. I attached a revised test report with statement.

Please replace this one.

For your question, Q2: Radiated band-edge emission measurements at the band-edges 2390 and 2483.5 MHz were not included in the test report. Conducted band edge measurements were included, but conducted measurements do not show compliance with the radiated limits of 15.209 for bands shown in 15.205. This requirement was mentioned in my 23 January email, and is particularly important since the device operates on 2472 MHz. Please provide a revised test report including these measurements.

For 15.209, Shall we show the graph to you?

Thanks.

Best regards.

Senior Engineer

Telecommunication team

Korea Testing Laboratory

TEL) +82-31-5000-131

E-mail) [temple@ktl.re.kr](mailto:temple@ktl.re.kr)

bum-jong KIM

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From: [rf.spectrum@gmail.com](mailto:rf.spectrum@gmail.com) [mailto:[rf.spectrum@gmail.com](mailto:rf.spectrum@gmail.com)] On Behalf Of Tim Dwyer  
Sent: Tuesday, February 12, 2008 9:52 AM  
Subject: Re: Int information system Co.Ltd, FCC ID: VZAIN910HA, Assessment NO.: AN08T7573, Notice#1  
- Show quoted text -

TEST REPORT-RFID.pdf

