

Fujitsu Limited, FCC ID: EJE-WB0054, Assessment NO.: AN08T7481, Notice#1 [Inbox](#)

★ from "tim.dwyer@ccsemc.com" <tim.dwyer@ccsemc.com>

[hide details](#) Jan 13 (3 days ago)

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to chieu@emctech.com.au

cc tim.dwyer@ccsemc.com

date Jan 13, 2008 10:29 PM

subject Fujitsu Limited, FCC ID: EJE-WB0054, Assessment NO.: AN08T7481, Notice#1

Dear Chieu,

The review of the application is complete. Please reply to the following items relative to the DTS part of this application. If you have questions, please ask.

Q1: If the DTS device operates in MIMO mode(s) in this configuration then combined output power measurement is required. Please refer to pages 128-130 of the original report. Please explain whether the output power measurements on pages 17 and 18 of the EMCT report are combined output power for MIMO operation, or if they are measurements performed on a single chain. Also please briefly explain why the output power measurements were repeated, but not other measurements like spectral density, bandwidth, etc.

Q2: The powers listed on pages 17 & 18 of the EMCT report appear significantly lower than the powers shown in the original Intel report. Please provide a brief explanation.

Q3: Please explain whether the product was operating in MIMO mode during the radiated and conducted spurious emissions modes.

Q4: For MIMO operation, please confirm whether MIMO is in 2x2 and 2x3 mode or in 2x2 mode only.

You will also receive separate notices for the two other composite parts.

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.

Best regards,

Tim Dwyer  
Technical Reviewer

[Reply](#) [Reply to all](#) [Forward](#) [Invite tim.dwyer@ccsemc.com to Gmail](#)

★ from CHIEU <chieu@emctech.com.au>

[hide details](#) Jan 16 (12 hours ago)

[Reply](#)

reply-to chieu@emctech.com.au

to tim.dwyer@ccsemc.com

cc "Rao, Praveen" <Praveen.Rao@au.fujitsu.com>

date Jan 16, 2008 9:57 PM

subject RE: Fujitsu Limited, FCC ID: EJE-WB0054, Assessment NO.: AN08T7481, Notice#1

Dear Tim,

Replies to DTS questions are below.

Best Regards  
Chieu Huynh

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

From: [tim.dwyer@ccsemc.com](mailto:tim.dwyer@ccsemc.com) [mailto:[tim.dwyer@ccsemc.com](mailto:tim.dwyer@ccsemc.com)]

Sent: Monday, 14 January 2008 2:29 PM

To: [chieu@emctech.com.au](mailto:chieu@emctech.com.au)

Cc: [tim.dwyer@ccsemc.com](mailto:tim.dwyer@ccsemc.com)

Subject: Fujitsu Limited, FCC ID: EJE-WB0054, Assessment NO.: AN08T7481, Notice#1

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Answer1: Original INTEL report for output power measurement both single Tx and dual Tx with aggregate power shown. With our (EMCT) report Measurements were performed on both chains A and B. The output power reported on pages 17 and 18 of EMCT report are of a single chain (worst case of A or B). Therefore, in MIMO mode (HT8) the maximum combined output power is 3dB (50%) higher than reported on pages 17 and 18. Test report will be revised to clarify this for future applications.

The output power measurements were repeated (but not other measurements) to confirm that the power is not higher than originally reported.

Q2: The powers listed on pages 17 & 18 of the EMCT report appear significantly lower than the powers shown in the original Intel report. Please provide a brief explanation.

Answer2: Different measurement methods were used. EMCT used integration method as per test method # 3 of DA 02-2138. Intel used the power meter method.

Q3: Please explain whether the product was operating in MIMO mode during the radiated and conducted spurious emissions modes.

Answer3: Yes, MIMO mode was operating during the test. In the INTEL's original report, both radiated and conducted emissions tables and plots are clearly marked with the mode and applicable Transmit chain operation.

Q4: For MIMO operation, please confirm whether MIMO is in 2x2 and 2x3 mode or in 2x2 mode only.

Answer4: MIMO modes capable are 1x1, 1x2, 2x2 and 2x3