



Tim Dwyer <rfspectrum@gmail.com>

Fujitsu Limited, FCC ID: EJE-WB0080, Assessment NO.: AN09T9887 AN09T9888 AN09T9889, Notice#1

3 messages

tim.dwyer@ccsemc.com <tim.dwyer@ccsemc.com>

Wed, Dec 16, 2009 at 10:30 PM

To: chieu@emctech.com.au, prao.prao@gmail.com

Cc: tim.dwyer@ccsemc.com

Hello Chieu,

This is a consolidated review notice for applications AN09T9887 (DTS) , AN09T9888 (NII) , and AN09T9889 (DSS).
Replies will be applied to each application as applicable.

Q1: DTS & NII Block diagram shows 2x2 MIMO configuration. Operation description describes a device with 3x3 MIMO capability. WLAN antenna exhibit indicates 3 Transmit antennas (TX1, TX2, and TX3/RX3) antennas. Please confirm that this application is for a 2x2 MIMO configuration and provide a brief explanation for the inconsistency in the documentation.

Q2: DTS & NII WLAN antenna exhibit co-location drawing shows WAN antennas. WAN has not otherwise been addressed in this application. Please explain.

Q3: DTS NII DSS. Tablet computers are devices that may be held in the hand and so according to ANSI C63.4:2003 must be tested in 3 orthogonal planes (axes) for radiated emissions. Please confirm that this was done.

Q4: For information purposes, please see the FCC Public Notice regarding acceptance of ANSI C63.10:2009 and ANSI C63.4:2009 at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-09-2478A1.pdf

Q5: DTS NII DSS Since this is an original filing for this configuration, conducted emissions measurements to demonstrate compliance with 15.207 are required. The emissions test report refers to the DoC exhibit, which states compliance but does not include test data. It is noted that conducted emissions measurements were reported in the FCCID: PD9622ANH modular application. However, since the current filing is not based on modular approval guidelines, conducted emissions for the configuration of the current filing is required within the application. If compliance with the 15.207 conducted emissions requirements is demonstrated by the DoC test report, please provide a copy of that report.

Q6: DTS NII The cover pages of test reports: M091069_Cert_622ANHMMW_SAR_2.4_BT and M091069_Cert_622ANHMMW_SAR_5.6_BT show the issue date of 27 November 2006. This appears to be a typographical error. Please confirm.

Q7: DSS No test report for the BT device was included. Please provide this exhibit.

Q8: DSS Confidential exhibits Block Diagram, Operation Description, Antenna Description, and Schematic exhibits were not uploaded. The exhibits are referenced in the confidentiality request. Please provide these exhibits.

Q9: DSS Short term confidential exhibits Internal Photos, External Photos, Test Setup Photos, were not uploaded. Please provide these exhibits for the DSS application.

Q10. NII Please provide an attestation statement exhibit verifying that the device operates as a client only and that it does not have Ad Hoc capabilities on non-US frequencies and on DFS frequencies. In addition, the related IC applications will require an additional statement confirming that the device does on operate on channels with emissions in the 5600-5650 MHz band. If both statements are included and the attestation letter is addressed to both FCC and IC, it may be used for both applications. Reference to multiple FCCID and IC ID's should be included as applicable

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

CHIEU <chieu@emctech.com.au>

Fri, Dec 18, 2009 at 12:06 AM

Reply-To: chieu@emctech.com.au

To: tim.dwyer@ccsemc.com, prao.prao@gmail.com

Hello Tim,

Please find answers below.

Regards
Chieu Huynh

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

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

Sent: Thursday, 17 December 2009 2:30 PM

To: chieu@emctech.com.au; prao.prao@gmail.com

Cc: tim.dwyer@ccsemc.com

Subject: Fujitsu Limited, FCC ID: EJE-WB0080, Assessment NO.: AN09T9887
AN09T9888 AN09T9889, Notice#1

Hello Chieu,

This is a consolidated review notice for applications AN09T9887 (DTS) , AN09T9888 (NII) , and AN09T9889 (DSS). Replies will be applied to each application as applicable.

Q1: DTS & NII Block diagram shows 2x2 MIMO configuration. Operation description describes a device with 3x3 MIMO capability. WLAN antenna exhibit indicates 3 Transmit antennas (TX1, TX2, and TX3/RX3) antennas. Please confirm that this application is for a 2x2 MIMO configuration and provide a brief explanation for the inconsistency in the documentation.

A1: Operational Description supplied is common document for 2x2 MIMO and 3x3 MIMO configurations. However, this application is for 2x2 MIMO configuration only. Therefore, only 2x2 MIMO specification/information is relevant to this application. Same applied for antenna document, only Tx1 and Tx2 antenna data is relevant for this application. Tx3 antenna will never be used

Q2: DTS & NII WLAN antenna exhibit co-location drawing shows WAN antennas. WAN has not otherwise been addressed in this application. Please explain.

A2: There is NO WAN or WAN antennas in this device. The Antenna document supplied is common document for many notebook models. Please ignore the mention of WAN in this document.

Q3: DTS NII DSS. Tablet computers are devices that may be held in the hand and so according to ANSI C63.4:2003 must be tested in 3 orthogonal planes (axes) for radiated emissions. Please confirm that this was done.

A3: Yes, all orientations (3 orthogonal planes) were investigated and tested (refer to section 4.3 of the test report). Worst results were reported.

Q4: For information purposes, please see the FCC Public Notice regarding acceptance of ANSI C63.10:2009 and ANSI C63.4:2009 at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-09-2478A1.pdf

A4: Thanks, I was aware of the update.

Q5: DTS NII DSS Since this is an original filing for this configuration, conducted emissions measurements to demonstrate compliance with 15.207 are required. The emissions test report refers to the DoC exhibit, which states compliance but does not include test data. It is noted that conducted emissions measurements were reported in the FCCID: PD9622ANH modular application. However, since the current filing is not based on modular approval guidelines, conducted emissions for the configuration of the current filing is required within the application. If compliance with the 15.207 conducted emissions requirements is demonstrated by the DoC test report, please provide a copy of that report.

A5: FCC 15B test report attached.

Q6: DTS NII The cover pages of test reports: M091069_Cert_622ANHMW_SAR_2.4_BT and M091069_Cert_622ANHMW_SAR_5.6_BT show the issue date of 27 November 2006. This appears to be a typographical error. Please confirm.

A6: Yes, this is a typo (should read 27 November 2009).

Q7: DSS No test report for the BT device was included. Please provide this exhibit.

A7: As stated in the cover letter, the certified Bluetooth is a very low power device (4mW) and is not co-located with any other radio module. Hence, testing is not required. Original BT test report attached.

Q8: DSS Confidential exhibits Block Diagram, Operation Description, Antenna Description, and Schematic exhibits were not uploaded. The exhibits are referenced in the confidentiality request. Please provide these exhibits.

A8: BT Exhibits attached.

Q9: DSS Short term confidential exhibits Internal Photos, External Photos, Test Setup Photos, were not uploaded. Please provide these exhibits for the DSS application.

A9: Internal and External photos attached. As testing is not required on the certified BT module, there is no test setup photos

Q10. NII Please provide an attestation statement exhibit verifying that the device operates as a client only and that it does not have Ad Hoc

capabilities on non-US frequencies and on DFS frequencies. In addition, the related IC applications will require an additional statement confirming that the device does on operate on channels with emissions in the 5600-5650 MHz band. If both statements are included and the attestation letter is addressed to both FCC and IC, it may be used for both applications. Reference to multiple FCCID and IC ID's should be included as applicable

A10: Any chance of referring to an attestation letter from original approval (FCC ID: PD9622ANH). If not, we will request a letter from Intel.

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

No virus found in this incoming message.

Checked by AVG - www.avg.com

Version: 8.5.427 / Virus Database: 270.14.109/2567 - Release Date: 12/16/09 19:52:00



TCB ADDITIONAL FILES.rar
5665K

PR <prao.prao@gmail.com>

Fri, Dec 18, 2009 at 9:04 PM

To: chieu@emctech.com.au, tim.dwyer@ccsemc.com

Hi Tim,

The requested item Q10 : IC attestation letter attached.

Cheers,
Praveen

[Quoted text hidden]



622 IC DFS Attestation.pdf
18K
