

# Re: Wistron Corporation, FCC ID: PU5-EM300, Assessment NO.: AN09T8779, Notice#1

1 message

amanda.wu <amanda.wu@ccsrf.com>

Mon, Feb 2, 2009 at 1:37 AM

To: tim.dwyer@ccsemc.com

Cc: amanda.wu@tw.ccsemc.com, application.2009@tw.ccsemc.com, tim.dwyer@ccsemc.com

Dear Tim,

Please see my reply as below, thank you,

Best Regards,

Gina

<tim.dwyer@ccsemc.com>

2009/01/19 01:50 PM

收件人: <application.2009@tw.ccsemc.com>  
副本抄送: <tim.dwyer@ccsemc.com>, <amanda.wu@tw.ccsemc.com>  
主旨: Wistron Corporation, FCC ID: PU5-EM300, Assessment NO.: AN09T8779, Notice#1

Hello Celia,

Review of this application is complete. Please reply to the following items.

Q1: The EUT Description (Page 4) RF exposure section of the test report (pages 169 & 171) states antenna gain of 9.17 dBi for 1900 MHz. This appears to be in error. Please check and revise or explain.

Ans: Please see the revised antenna specification & test report as the attachment.

Q2: Power measurements on test report pages 32-39 appear to have been made with an average detector. There is Peak-to-Average Ratio of 13 dB when average technique is used. The test report does not include peak measurements to demonstrate compliance with this requirement. Please provide a revised report.

Ans: Please see the revised test report as the attachment.

FCC 24.232(d) "Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with

the provisions of 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Q3: 800 MHz power measurements (page 33) show a maximum of 33.54 dBm.  $33.5 \text{ dBm} + 9.17 \text{ dBi}$  antenna gain = 42.71 dBm EIRP = 18.67 W EIRP. This would considerably exceed the power limit and does not appear to be consistent with the radiated power measurements on pages 36-39. Please check and provide revised measurements or explanation.

Ans: Please see the revised test report as the attachment.

Q4: Because this is a licensed device, not subject to part 15, the FCC modular requirements are different. I will send you a copy of the Licensed Modular policy by separate email. Since the maximum antenna gain must be stated on the grant, it is important that you confirm the maximum antenna gains for each band and show compliance in the test report as stated in Q1-Q3 above. It is recommended that you provide a revised modular letter for FCC.

Ans: Please see the revised modular letter as the attachment.

Thank You and 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.

---

### 3 attachments

 **EM300 Modular Approval Request Letter Revised 0121.pdf**  
45K

 **EM300 Antenna Specification Revised 0121.pdf**  
1068K

 **EM300 Test Report Revised 0121.pdf**  
2400K

---

# Re:Re:Wistron Corporation, FCC ID: PU5-EM300, Assessment NO.: AN09T8779, Notice#1

2 messages

application <application@ccsrf.com>

Tue, Feb 3, 2009 at 5:12 AM

To: tim.dwyer@ccsemc.com

Cc: "application.2009" <application.2009@ccsrf.com>

Dear Tim,

Sorry to trouble you, client would like to change the EUT name, please have the

1. revised test report (page 1, 3, 4, 170).
2. label format & location,
3. antenna spec.

Best Regards,

Amanda

amanda.wu

寄件人： gina.lo

收件人： <tim.dwyer@ccsemc.com>

副本抄送： amanda.wu@tw.ccsemc.com, application.2009@tw.ccsemc.com, tim.dwyer@ccsemc.com

吳鏗霽

主旨： Re:Wistron Corporation, FCC ID: PU5-EM300, Assessment NO.: AN09T8779, Notice#1 [連結](#)

2009/02/02 02:37 PM

Dear Tim,

Please see my reply as below, thank you,

Best Regards,

Gina

<tim.dwyer@ccsemc.com>

收件人： <application.2009@tw.ccsemc.com>

2009/01/19 01:50 PM

副本抄送： <tim.dwyer@ccsemc.com>, <amanda.wu@tw.ccsemc.com>

主旨： Wistron Corporation, FCC ID: PU5-EM300, Assessment NO.: AN09T8779, Notice#1

Hello Celia,

Review of this application is complete. Please reply to the following items.

Q1: The EUT Description (Page 4) RF exposure section of the test report (pages 169 & 171) states antenna gain of 9.17 dBi for 1900 MHz. This appears to be in error. Please check and revise or explain.

Ans: Please see the revised antenna specification & test report as the attachment.

Q2: Power measurements on test report pages 32-39 appear to have been made with an average detector. There is Peak-to-Average Ratio of 13 dB when average technique is used. The test report does not include peak measurements to demonstrate compliance with this requirement. Please provide a revised report.

Ans: Please see the revised test report as the attachment.

FCC 24.232(d) "Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Q3: 800 MHz power measurements (page 33) show a maximum of 33.54 dBm.  $33.5 \text{ dBm} + 9.17 \text{ dBi}$  antenna gain = 42.71 dBm EIRP = 18.67 W EIRP. This would considerably exceed the power limit and does not appear to be consistent with the radiated power measurements on pages 36-39. Please check and provide revised measurements or explanation.

Ans: Please see the revised test report as the attachment.

Q4: Because this is a licensed device, not subject to part 15, the FCC modular requirements are different. I will send you a copy of the Licensed Modular policy by separate email. Since the maximum antenna gain must be stated on the grant, it is important that you confirm the maximum antenna gains for each band and show compliance in the test report as stated in Q1-Q3 above. It is recommended that you provide a revised modular letter for FCC.

Ans: Please see the revised modular letter as the attachment.

Thank You and 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.

---

### 3 attachments



**EM300 Test Report Revised 0223.pdf**  
2228K



**EM300 Label Sample & Location Revised 0203.pdf**  
561K



**EM300 Antenna Specification Revised 0203.pdf**  
1072K

---

Tim Dwyer <tim.dwyer@ccsemc.com>  
To: application <application@ccsrf.com>

Tue, Feb 3, 2009 at 5:55 AM

Hello Amanda,

Got it. I will make the changes.

Best regards,

Tim

[Quoted text hidden]

--

Tim Dwyer

Quasi-Peak Wireless

766 Pucker Street

Coventry, CT 06238 USA

(860) 558-1791

email: [tdwyer@quasi-peak.com](mailto:tdwyer@quasi-peak.com)

[timothy\\_dwyer@ieee.org](mailto:timothy_dwyer@ieee.org)

web: [www.quasi-peak.com](http://www.quasi-peak.com)

---