

## Steve Cheng

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**From:** Steve Cheng  
**Sent:** Friday, October 10, 2003 7:52 PM  
**To:** 'eric@ccsemc.com.tw'; Lucy (E-mail); Jonson (E-mail)  
**Cc:** Mike Kuo; Scott Wang  
**Subject:** RE: RT for project: AN03T3297-DTS-ChiMei-QDJ-0307

Hi Eric,

Q3. Although rule stated both radiated or conducted could be used, but FCC also published the test procedure for DTS device and the default method is conducted. Since output power is extremely low and radiated emission is way below the limit, so it is justifiable for not perform the conducted test at this time. But please submit conducted spur test in the future filing.

Best regards,  
Steve

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

**From:** eric@ccsemc.com.tw [mailto:eric@ccsemc.com.tw]  
**Sent:** Tuesday, October 07, 2003 7:59 PM  
**To:** scheng@ccsemc.com  
**Cc:** lucy\_tsai@ccsemc.com.tw; jonson@ccsemc.com.tw; miro@ccsemc.com.tw; mkuo@ccsemc.com; swang@ccsemc.com  
**Subject:** RT for project: AN03T3297-DTS-ChiMei-QDJ-0307

Hi, Steve,

Please find the replies for the DTS as follows, prepared per the your comments.

### DTS

1. Please refer to the report, which have been revised upon your comment.
2. Please refer to the report, which have been revised upon your comment.
3. Based on the Rules, either one of the radiated or conducted measurement should be provided. (Please refer to the attached pages captured from the Rules)

Thank you!!  
Should you have any question, please don't hesitate to ask me.

Best regards,  
Eric Wong

10/10/2003

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? ? ? : "Lucy (E-mail)" <lucy\_tsai@cclab.com.tw>, "Jonson (E-mail)" <jonson@cclab.c

2003/10/04 11:07 AM

? ? ? ? : Mike Kuo <MKUO@CCSEMC.com>, Scott Wang <SWang@CCSEMC.com>

? ? : RT for project: AN03T3297-DTS-ChiMei-QDJ-0307

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Question #1: test report p11 stated a Agilant 8481A power sensor was used for peak power measurement. Please explain how peak power reading could be obtained by average power sensor?

Question #2: Test report p32, Following equations was used in dwell time calculation,

A period time =  $0.4 * 79 = 31.6$  (s)

CH Low:  $0.395 * 1600/79 * 31.6 = 252.80$  (ms)

CH Mid:  $0.396 * 1600/79 * 31.6 = 253.44$  (ms)

CH High:  $0.395 * 1600/79 * 31.6 = 252.80$  (ms)

Please explain why  $0.4 \times 79 = 31.6$  was used in the calculation? Per FCC Bluetooth test procedure the proper calculation shall be

CH Low:  $(395U \times 1600 / 79) \times 30 = 240$  (ms). Please clarify.

Question #3: Per FCC "Guidance on Measurements for Direct Sequence Spread Spectrum Systems, Section 15.247(c): Spurious emissions." The following tests are required:

(1) RF antenna conducted test: Set RBW = 100 kHz, Video bandwidth (VBW) >

RBW, scan up through 10th harmonic. All harmonics/spurs must be at least 20

dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. The test data is missing. Please supply.

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.

Best Regards

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