

From: Steve Cheng
Sent: Thursday, June 26, 2003 3:52 PM
To: Mike Kuo
Cc: Anne Liang; CLIENT ADVOCATES; Michael Heckrotte
Subject: RE: Toshiba Corporation, FCC ID:CJ6UPA3299WL, AN03T2929
Hi Mike,

Please refer the original text for response. Thanks.

Best regards,

Steve

To CA, please upload related document to TCB. Thanks.

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

From: Mike Kuo
Sent: Friday, June 20, 2003 4:53 PM
To: Michael Heckrotte; Steve Cheng; CLIENT ADVOCATES
Cc: Anne Liang
Subject: FW: Toshiba Corporation, FCC ID:CJ6UPA3299WL, AN03T2929

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

From: CERTADM
Sent: Friday, June 20, 2003 4:52 PM
To: 'mkuo@ccsemc.com'
Subject: Toshiba Corporation, FCC ID:CJ6UPA3299WL, AN03T2929

Notice_content

Question #1: RF conducted output power : Peak power meter is used.
Confirmation that the power meter used can measure 32.67 MHZ BW signals accurately. Please state the VBW of the probe.
<Response> Although this product generate the emission bandwidth of 32.67M, but due to the architecture of the 802.11, the internal symbol rate or amplitude modulation is actually less than 1.5M and we understand that the new quid line from the FCC is preferring the use of channel power method, but due to the fact that this project is initiated before new quid line issued and was follow the old procedure and we have verified that the reported value does represent the actual output power. To demonstrate that reported power does not under estimated the output power we have did some experiment to measure typical 11a/b/g signal with different equipment as listed below and the result show great agreement to each other. This proved the peak power meter which we used with this filing does has enough video bandwidth to perform the assigned test. Please refer to attached file "experiment record" for detail.

Question #2: Peak power meter is used but section 5.2 of test report can not locate such instrument. Please provide it.

<Response> Report revised

Question #3: Three of antennas are listed in the test report, page 69 of test report is for spurious and harmonic radiated emission measurements. Per the

test report, there is no indication which antenna was used during the tests. By comparing to the antenna connected plots and antenna gain information, there should be measurable emissions during the spurious and harmonic emission tests. Please provide information on which antenna was used and if no emission can be found, please provide noise floor information.

<Response> Due to the limited band width of the antenna, all the spurs which show on the conducted plots is further attenuated by the antenna stop band and is not detectable in radiated measurement.

Question #4: Please provide OEM installation instruction.

<Response> new installation instruction attached.

Question #5: Co-location tests: please specify which antenna was used during the tests.

<Response> We use HTL008.

Question #6: Request for confidentiality : Schematic diagram is a 6 pages document in stead of 4 pages. Please make necessary correction.

<Response> revised letter attached.

Best Regards

Mike Kuo

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.