William Graff

From: Hermann Kuo [hermann@mltlab.com.tw]

Sent: Tuesday, May 01, 2007 12:43 PM

To: 'William Graff'

Cc: major@atcb.com; ted@atcb.com; judy@mltlab.com.tw; jesse@mltlab.com.tw

Subject: RE: www.AmericanTCB.com ATCB004823 | U6AWM101M | | | U6AWM101M_ATCB004823

Dear Bill,

Kindly check the reply below for comments on WM101M application.
Thank you.

Best Regards,

Hermann

1.) FYI: I see you have just uploaded revised photos. The FCC requires that all documents be separated into specific Exhibits. This means you cannot provide a single photo set. We are required to have separate Exhibits for External Photos, Internal Photos and Test Setup Photos. If any single document exceeds 4MB (the largest single size file accepted by the Commission), we will ask that you divide the photos into multiple files. Please be sure that all photos are clear enough to read the designators off the printed circuit board. Simple orthographic projection is preferred.
MLT: Noted

2.) The Block Diagram shows a single part RT2529 which contains an unidentified oscillator. Please review and identify by frequency on this Exhibit.
MLT: Revised Block Diagram uploaded to “Block Diagram” folder

3.) Please indicate the country where the DofC was tested for FCC EMC compliance.
MLT: Taiwan, R.O.C, by Max Light Technology.

4.) Is the end user able to select a country code?
MLT: End users are not able to select a country code because the function of country code selections is already disabled by software on the device.

5.) FYI: Your detail about RF power over different channels and different data rates is perfect – please continue this table in all test reports. One word of caution – please do not depend too much on channel power measurements for accurate RF power measurement. If RF category “Portable” measurements are needed, you will need an absolute accuracy of less than 10% - I believe a spectrum analyzer is not capable of this resolution.
MLT: Noted

6.) MIMO RF power is expected to be a Composite power, but no details of how that is accomplished are presented. Please review and correct as needed.
MLT: This is a 1T2R architecture product.

7.) Please provide an RF Exposure Estimation (MPE) as a separate Exhibit.
MLT: MPE uploaded to “Additional Information” folder

8.) For the Radiated Restricted Bandedge test (15.205), it would be appreciated if a plot of 40MHz span, centered directly on 2400 and 2483.5 MHz be presented. Two plots should be presented for each band edge – one Peak and the second Average – with a 54dBuV limit as appropriate.
MLT: uploaded related information to “Additional Information” folder

9.) Please provide a sample calculation demonstrating that your laboratory’s 3 meter test setup has adequate sensitivity to see to the 54dBuV average levels at 18GHz. Please include noise floor, cable loss, ACF, amplifiers, etc
MLT: uploaded related information to “Additional Information” folder

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

From: William Graff [mailto:whgraff@atcb.com]

Sent: Friday, April 20, 2007 3:28 PM

To: jesse@mltlab.com.tw; judy@mltlab.com.tw; hermann@mltlab.com.tw

Cc: marianne@atcb.com; major@atcb.com; jerry@atcb.com; ted@atcb.com

Subject: www.AmericanTCB.com ATCB004823 | U6AWM101M | | | U6AWM101M_ATCB004823

Regarding www.AmericanTCB.com application:

ATCB ID: ATCB004823

FCC ID: U6AWM101M

IC:

TCF:

Account name: MLTLAB

Please see attached comments on this filing.

Best Regards,

Bill

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~ William H. Graff, NARTE Certified

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