

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

From: Yu-Min Hsieh [mailto:yumin@cht.com.tw]
Sent: Sunday, May 26, 2002 8:59 PM
To: Mike Kuo
Subject: Re: UPDATE ABERA - FCC ID:P9GAWE020MTB, AN02T1983 (Base)

Dear Mr Kuo,

Regarding to your questions to my report, indeed, it's my fault. Footnote No.3 should be revised as 'peak detection'. And I already corrected it in the report(Page 8). I used peak detection because it was not over the average limits. So I can assure that its average reading must be in the limits. You mentioned that the emissions near 18GHz are over the limits. Yes, but it was not from the EUT but from the instrument itself. I made it dispeared as I changed the stop frequency to 17.5GHz. (Page 13,14)

The following pages in the report have been changed : P8,P13-P16. The others remain unchanged.

Sincerely,

Yu-Min Hsieh

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EMC & Radio Testing Lab
Telecom Laboratories
Chunghwa Telecom Co., Ltd
Tel : 886 3 424-5186
Fax: 886 3 420-2444

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

From: Mike Kuo
To: 'Yu-Min Hsieh'
Sent: Friday, May 24, 2002 9:54 AM
Subject: RE: ABERA SYSTEMS CORPORATION, FCC ID:P9GAWE020MTB, AN02T1983 (Base)

Hi Mr. Hsieh:

Question #8: Page 8 of 19 of revised test report, Footnote No 3 indicates above 1GHz are measured with average detector. However, page 13-16 of test plots are using peak reading. Please confirm the detector setting used for those emissions reported in Page 8 of 19.

Question #9:Page 13 and page 14 of spectrum plots are scanned from 1GHz - 18GHz. The marker placed on the second harmonics is not the highest readings. As indicated on the spectrum plots, the emission nears 18GHz are over the average limits. The RBW used in this plot is 1MHz and VBW=3MHz which is peak reading. If the peak readings are over the average limit, average readings are required.

Best Regards

Mike Kuo

From: Yu-Min Hsieh [yumin@cht.com.tw]

Sent: Thursday, May 16, 2002 10:02 PM
To: Mike Kuo
Subject: Re: ABERA SYSTEMS CORPORATION, FCC ID:P9GAWE020MTB, AN02T1983 (Base)

Dear Mr Kuo,

Attached is the document update. Please take some time to process it. The application fee is already in your bank account.

Sincerely,

Yu-Min Hsieh

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EMC & Radio Testing Lab
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----- Original Message -----

From: Mike Kuo
To: 'yumin@cht.com.tw' ; 'radioproxy@mail2000.com.tw'
Sent: Wednesday, May 08, 2002 9:01 AM
Subject: FW: ABERA SYSTEMS CORPORATION, FCC ID:P9GAWE020MTB, AN02T1983 (Base)

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

From: CERTADM
Sent: Tuesday, May 07, 2002 5:47 PM
To: 'mkuo@ccsemc.com'
Subject: ABERA SYSTEMS CORPORATION, FCC ID:P9GAWE020MTB, AN02T1983 (Base)

Notice_content

Question #1: Please provide additional internal photos by removing the metal shielding . Take a close up photo to show the component site of PCB without the shielding plate.

Question #2: User Manual does not contain information required under section 15.21 of FCC rules. Please provide revised user manual to comply this requirement.

Question #3: Page 5 of test report has typo. It listed 15.49 as the technical requirement. Please make necessary change.

Question #4: The tabular data section 2.1.3 and 2.2.3 represented in the test report, there is no information on the elements of correction factors that were considered and formula used to have corrected readings. Please provide such information.

Question #5: In accordance with 15.249 technical requirements, the field strength for fundamental frequency is 50 mV/m. This is the average limits. Section 15.249 (d) indicates when the limit is average, the peak limit (

Average limit + 20dB) is also applied. In addition, the RBW that you used to measure the fundamental field strength is 3MHz with VBW of 10kHz. Such settings do not comply with ANSI C63.4 section 4.2 requirement. Please redo the measurement and submit the data. Please make sure to provide peak and average reading if the peak readings are above average limits.

Question #6: The spectrum plots provided for spurious emission do not show the RBW and VBW used, please provide such information and show all the correction factors that used.

Question #7: Mode of operation: in accordance with ANSI C63.4 section 13.1.1.1 applied modulation " If the device is equipped with input connector for external modulation, typical modulating signals shall be applied at the max. rated input level for the device when modulation is required in an individual test" As indicated in the test setup photos and support equipment used, there are no such external modulating device was connected. Please redo radiated emission tests with external modulation.

Best Regards

Mike Kuo / TCB Certifier

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.