

Dear Mike,

Q1. conducted power -1.57, ERP -14.7dBm

Answer: Our recheck revealed that The measured low ERP is due to bad connection between the antenna and the circuit board. we re-do the soldering and the measured ERP is -5.6 dBm. The new revised report would be uploaded shortly.

Q2. 6.6dBi antenna gain in ERP calculation

Answer: 6.6 dBi is due to the fact that we use the log antenna for substituting Tx ant instead of standard dipole. The new ERP measurement used the standard dipole and would not have this factor in the calculation.

Best Regards,

Steve Cheng  
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Compliance Certification Services  
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-----Original Message-----

From: Mike Kuo  
Sent: Monday, November 12, 2001 1:10 PM  
To: Steve Cheng  
Cc: Denise Teng; Anne Liang  
Subject: FW: AL TECH, INC., FCC ID:PM8PM-9900, Assessment no:AN01T1338

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

From: CERTADM  
Sent: Monday, November 12, 2001 1:06 PM  
To: 'mkuo@ccsemc.com'  
Subject: AL TECH, INC., FCC ID:PM8PM-9900, Assessment no:AN01T1338

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Question #1: Page 11 of test report listed the antenna conducted output power is -1.57dBm. However, as indicated in the ERP measurement on page 14 of test report is -14.7dBm. Please explain the difference in these measurement. In addition, as indicated in page 12 of test report, during substitution tests, dipole antenna was used. However, the calculated ERP measurement with antenna gain of 6.6dBi antenna gain. Please explain.

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.

From: Denise Teng  
Sent: Tuesday, November 06, 2001 1:12 PM  
To: Mike Kuo  
Cc: Anne Liang  
Subject: RE: Al Tech FCC ID:PM8PM-9900 Assessment no:AN01T1338  
Hi Mike,

Please see attachments for the answers.

Thanks!

regards.

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

From: Mike Kuo  
Sent: Friday, October 19, 2001 5:20 PM  
To: Anne Liang; Denise Teng  
Subject: Al Tech FCC ID:PM8PM-9900 Assessment no:AN01T1338

Question #1: Please provide Tune-UP Procedure per 2.1033((c)(9) of FCC rules.  
Please note : Tune-up procedure is the procedure that use by the manufacturer to make sure the output power and frequency range are within the specification.

Question #2: Please provide Parts list.

Question #3: There is no user information and RF exposure information are included. Since this device is capable of connecting to Personal Computer. 15.21 , 15.105(b) and the following RF exposure information.

Suggested RF exposure statement to be included in the user manual:

" Importance Notice  
To comply with FCC RF exposure compliance requirements, the following antenna installation and device operating configuration must be satisfied:  
- Do no alter or modify the antennas.  
- Only use the antenna(s) that are originally installed on the device.  
- A separation distance of at least 20 cm must be maintained between the antenna of this device and all persons."

Question #4: Please provide MPE calculation.

Question #5: Please provide Emission Designator and justify by using Carson rules ( 2m+2dk )

Best Regards

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Mike Kuo

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