Chris Harvey

From: Claire Hoque [claire.hoque@ccsemc.com]
Sent: Tuesday, June 13, 2006 8:33 PM
To: Chris Harvey; Chris Harvey
Cc: Chuck Cowden; Erica Yueh; Michael Heckrotte
Subject: answer: Arcwave, Inc. , FCC ID: PLRAX365500, Assessment NO.: AN06T5837, Notice#1

Attachments: 06U10203-3B FCC Report AX3655.pdf; AX3655 Theory of Operation(revised).pdf; FCC Label AX3655_Rev4.pdf; Installation Manual(revised).pdf; AX3655 Block Diagram(revised).pdf


06U10203-3B FCC Report AX3655....


AX3655 Theory of Operation(rev...


FCC Label 3655_Rev4.pdf (123


Installation Manual(revised).p...


AX3655 Block Diagram(revised)....

Hi Chris,

Pls see answer below.

1. The test report 6dB bandwidth table has typos on the bandwidth measurements. The data in the 6dB bandwidth tables does not match the data on the associated plots.
<answer> report is revised.

2. The test report documents channels of approximately 3MHz bandwidth (6dB plots), but the Installation Manual documents 1-30MHz channels (diagram on page 6 of 27). Please explain this discrepancy.
<answer> manual is revised.

3. The Theory of Operation and Block Diagram exhibits document that the frequency of transmissions for this device is 5730 - 5762 MHz, where the test report documents transmission from 5730 - 5760 MHz. Please correct the discrepancy.
<answer> theory of op. and block diagram are all revised.

4. Please explain why the Peak Power Measurements are slightly lower than the Average Measurements for the middle and high channels as documented in the test report.
<answer>The altermate power measurement procedure was used in place of the Peak Power measurement procedure and the spurious emissions specification was changed to -30 dBc in accordance with the conditions for using the alternate procedure.
This alternate procedure, also known as Maximum Conducted Power, generally yields a value that is slightly less than or equal to the average power measurement. This is an inherent property of the measurement procedure.

FCC label is also revised to include necessary FCC statements.

Thanks,

Claire
-----Original Message-----
From: Chris Harvey
Sent: Friday, June 09, 2006 6:26 AM
To: Michael Heckrotte
Cc: Chris Harvey; Claire Hoque
Subject: Arcwave, Inc. , FCC ID: PLRAX365500, Assessment NO.: AN06T5837, Notice#1

Michael,

You are listed as the technical contact for the above referenced TCB application. The following items need to be addressed before the review can be completed:

1. The test report 6dB bandwidth table has typos on the bandwidth measurements. The data in the 6dB bandwidth tables does not match the data on the associated plots.

2. The test report documents channels of approximately 3MHz bandwidth (6dB plots), but the Theory of Operation documents 1-30MHz channels (diagram on page 6 of 27). Please explain this discrepancy.

3. The Theory of Operation and Block Diagram exhibits document that the frequency of transmissions for this device is 5730 - 5762 MHz, where the test report documents transmission from 5730 - 5760 MHz. Please correct the discrepancy.

4. Please explain why the Peak Power Measurements are slightly lower than the Average Measurements for the middle and high channels as documented in the test report.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 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,

Chris Harvey
charvey-tcb@ccsemc.com