

## Mike Kuo

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**From:** Michael Heckrotte  
**Sent:** Thursday, August 11, 2005 7:22 PM  
**To:** Tom Cokenias  
**Cc:** Danielle Zhan; Julia Luke  
**Subject:** RE: BridgeWave Communications, Inc. , FCC ID: RWM-GE60X, Assessment NO.: AN05T5016, Notice#2

Tom,

Regarding Q1, calculations revised for 0.6069 m antenna dimension.

Regarding Q2, the far field boundary is a function of  $1/\lambda$ . Therefore the higher frequency, with smaller  $\lambda$ , has a larger far field boundary. For a fixed measurement distance, the ratio of (measurement distance) / (far field boundary) is greater for the lower frequency, thus the correction factor is greater for the lower frequency. Revised report includes new correction factors based on revised calculations from Q1 above.

Best Regards,  
Mike

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

**From:** Compliance Certification Services [mailto:TCokenias@ccsemc.com]  
**Sent:** Thursday, August 11, 2005 7:44 AM  
**To:** Michael Heckrotte  
**Cc:** Tom Cokenias  
**Subject:** BridgeWave Communications, Inc. , FCC ID: RWM-GE60X, Assessment NO.: AN05T5016, Notice#2

1. Test report indicates largest antenna dimension 0.6096 m, but it appears calculations of near-field and far-field boundaries used a value of 0.6000 m. Please correct dimension reference or calculations as appropriate 2. On page 12 of the test report it appears that the correction values for 62 GHz and 58 GHz were reversed, and then used in subsequent calculations. Please review calculated E-field and power density values and submit revised report with corrections as required.

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.