

From: Michael Royer [mroyer@ptitest.com]
Sent: Wednesday, March 24, 2004 10:25 AM
To: whgraff@americanTCB.com
Cc: David Rahe (E-mail); Jhaley@Ptitest. Com (E-mail); Michelle Cantrell (E-mail); Sree (E-mail)
Subject: FW: M74T1504 Comments

William,

Thank you for your review of the application for Long Range Systems. I have reply comments for your to consider.

Item 1. There is no request for confidentiality. Full public disclosure is understood. Item 2. We tabulated the data in logarithmic units. The values are equivalent. 12358 uV/m is the same as 81.9 dBuV/m. ($20 \times \log(12358) = 81.9$) The harmonics are twenty dB down from that at 61.9 dBuV/m. Item 3. The limits at 1m for harmonics is $61.9 \text{ dBuV/m} + 9.5 \text{ dB} = 71.4$. The exception is the restricted band where the general limit is used. The general limit above 1 GHz at 1m. is 63.5 dBuV/m. Item 4. The product was tested up to 5 GHz. No signals were identified above 2.8 GHz. We are sure that there are no signals within 10dB of the the general limit (63.5 dBuV/m). Item 5. We have submitted data collected in peak mode, and established that it meets the more difficult average limits. Data collected with an averaging detector would have even lower levels and would also be compliant.

This provision is found in ANSI C63.4 paragraph 8.3.1.2, note 1, Final radiated emissions measurements.

Thank you for your consideration of this reply to your comments. It is a pleasure to work with you on this application.

Best regards,
Mike Royer

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