Dear Mr Combs,

Thank you for your business. We have a few issues to resolve in order to issue your grant.

1. Please fill out, sign, and return the attached certification agreement.

2. We note that the device contains a digital device with a clock oscillator. While we cannot determine the frequency of the clock oscillator from the photos or the schematics, we think it likely that it exceeds 1.705MHz. If it does, then in accordance with 15.33(a)(4), we request that radiated emissions data for the appropriate range specified in 15.33(b)(1) be provided.

3. Please provide data responsive to the voltage variation requirement of 15.31(e).

4. The manual references an RS-232 cable grounded at one end only. Was the system tested equipped with a cable grounded at one end only? If the system was tested with a shielded cable grounded at each end then the user's manual must be changed to reflect this. See 15.27.

5. Please provide a bandwidth plot of the emission at 1 MHz and 3.6MHz.

Best regards

Barry C. Quinlan
Certification & Telecom Manager

Hi Barry,
By now I hope you received some information from DBI in Lexington, Ky. He completed the measurements you requested on items # 2,3 and 5. If you do not have the requested information by Friday, please contact me. I am sending you the signed licensing agreement via snail mail. Regarding item #4. The system tested was grounded only at one end.
If you have any other questions please contact me.

Best Regards,
Steve Combs
Product Specialist, ID Systems

Gentlemen:

Please find attached the following data in response to the subject email:

1. A Word file, Balluffrad.doc with the FCC data for a digital device from 30 MHz to 1000 MHz. in response to item 2.

2. A Word file, BallufBis1.doc, containing the bandwidth measurements requested in item 5.

3. A Word file, BalluffBis.doc, containing the output power vs. voltage variation measurements requested in item 3.

If any further information is needed, please let me know.

Very truly yours,

Donald R. Bush

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