

Subject: Test Data for Schlumberger
Cc: jmartinez@elliottlabs.com, David Bare <dbare@elliottlabs.com>, Doc@elliottlabs.com

Hi Tim,

Bill Graff called me last week to talk about your concerns with the Schlumberger average readings we recorded during our testing.

I understand your concerns with using a video average bandwidth of 10Hz to obtain the average value of a signal with a low duty cycle (although the FCC have accepted our data using this technique without question in the past).

What I have done is to calculate, for the OOK modulation, two correction factors. The first converts the peak reading to an average reading based on the plots I submitted to you for OOK modulation (average bandwidth of 100Hz). The second is a duty cycle correction factor. These two factors have then be applied to the original peak readings to calculate the average reading.

For the CCSK data, as I do not have a plot showing the peak to average correction factor, I have simply applied the duty cycle correction factor to the peak reading.

In all cases the emissions are still below the average limit.

Please advise if the data is acceptable. If so, we will upload a formal response to your concerns and hopefully put this application to rest.

Regards

Mark



[BAMM Test Data \(modified\).PDF](#)

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