

Subject: Re: QGZ-B1000 grant
Date: Thu, 10 Oct 2002 21:22:59 -0700
From: Juan Martinez <jmartinez@elliottlabs.com>
To: dward@americantcb.com

Dennis,

Responses in bold below. I hope this resolves all issues. Any other questions please let me know

Juan M.

At 01:23 PM 10/4/2002 -0700, you wrote:

> Hi Juan
> I have attached the grant
> HOWEVER.

Now that I can read the revised report and revised manual there are a couple > of issues that need attention.

The power measurement procedure in your report is very vague. For example, > where did you get the 95.3dB? The relation of dBm to dBuV in a 50 ohm system is dBuV-107 not dBuV-95.3. The plots state that the correction factors have been included in the plot, so the 11.7dB difference between 107 and 95.3 cannot be the correction factors. How did you derive this number? a clear explanation needs to be in the report.

>

Response: The 95.3 dB is a free space conversion provided by the FCC. I have uploaded an sample formula document showing how the 95.3 dB us calculated to the Test Report exhibit. Document is label "free space conversion". I have place specific notes in regards that the plots for power and PPSD, eventhough in dBuV, are actually dBuV/m because they have the antenna and cable loss included into the REF Level offset of the spectrum analyzer.

> Also, PPSD is a maximum 8dBm. The report says your measured PPSD is
> 10.2dBm.
> Using your data shouldn't this be -10.2dBm? Also, the same thing about
> the
> 95.3dB. Where did you get it?
>

Response: The 95.3 dB is a free space conversion provided by the FCC. I have uploaded an sample formula document showing how the 95.3 dB us calculated to the Test Report exhibit. Document is label "free space conversion". The data was calculated incorrectly. I have made the correction and uploaded another revised report.

> The revised manual must contain the SAR statements and warnings. The
> manual
> says it is on page 51, but it is not in the revised manual. Only a blank
> page
> exists there. The statement/warning must include the highest level SAR
> measured and it must list the tested accessories. It must also list any
> separation distance in body worn applications.

Response: The applicant has provided the final draft report to used. Pages

55, 56, 57, and 58 all contain the appropriate statement you that should have been in the first user guide, but were left out by mistake.

> These issues must be resolved within 5 days or the grant may be set aside
> or
> dismissed. Also, please be aware that as was mentioned about the SAR
> report.
> the FCC may not like it anyway and they may make you do it over. (just a
> heads
> up). As I mentioned, they want things done their way and while the
> information may be in the report, there are ambiguous areas that they may
> want
> answers about.
>
> Thanks
> Dennis
>

EMC Engineer
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