Marianne Bosley
From: Fr. Gregory Czumak [Gregory.Czumak@verizon.net]
Sent: Friday, August 10, 2001 1:31 PM
To: Marianne Bosley; charvey@metlabs.com
Subject: Re: FW: Celletra MET #11086 FCC ID:PNQC-BPB

I have responded to Liming's answers, below, in **bolf- faced type. The first 2 require a further response, while the 3rd one should be noted for future applications.**

Gregory

Marianne Bosley wrote:

> Hi again,
>
> Here is Liming's response to your inquiries. Let me know what you think; he's here dayshift today, and we need to get this granted before Chris leaves. Thanks.
>
> Marianne T. Bosley
> EMC Administrator
> 410-354-3300, ext. 412
>
> > -----Original Message-----
> > From: Liming Xu
> > Sent: Tuesday, August 07, 2001 3:27 PM
> > To: Marianne Bosley
> > Subject: RE: Celletra MET #11086 FCC ID:PNQC-BPB
> >
> > My answer inserted in each question.
> >
> > -----Original Message-----
> > From: Marianne Bosley
> > Sent: Tuesday, August 07, 2001 2:09 PM
> > To: Liming Xu
> > Cc: Marianne Bosley
> > Subject: FW: Celletra MET #11086 FCC ID:PNQC-BPB
> >
> > << File: #11086 checklist (PCS).doc >>
> > Liming, please review Greg's comments for this Celletra, and possibly
> > input for future and this one?
> >
> > -----Original Message-----
> > From: Greg Czumak
> > To: Marianne Bosley; Chris Harvey
> > Sent: 8/7/2001 2:04 PM
> > Subject: RE: Celletra MET #11086 FCC ID:PNQC-BPB

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>
> Tech review complete, RT questions below. Checklist attached. I seem
> to remember doing another one from the same applicant some time back...I
> think I had similar questions...this information should be clearly
> placed in the application, as it is some of the main things that the FCC
> looks for....
>
> RT questions:
>
> 1. The RBW used to measure the output power (1 MHz) is less than the
> emission bandwidth (EBW)(1.28 MHz). Please remeasure using an RBW
> greater than the EBW and submit new data.
> A. This question has been answered on last Celletral project.
> again, on FCC TCB training RBW = or > 1MHz measure frequency above
1GHz. **Every new application must stand on its own merit, previous applications cannot be just referenced. Any previous response to this, or a similar question, should be included in the present application as well. I am not sure to what FCC TCB training you are referring, but output power measurements should always be made with a RBW > or = the emission bandwidth, regardless of the frequency of the emission. I seem to recall that you submitted either new plots (last time) or a statement to the effect that increasing the RBW did not affect the reported levels. Please submit one of these 2 responses again.**
>
> 2. There appear to be discrepancies wrt the output power: the
> introduction to the test report (Section 6.1.3)states that the output
> power is 8W, the graph on page 21 of the test report shows a conducted
> output power level of 35W, and the technical description states that the
> conducted output power is 10W, with an integral antenna gain of 13 dBi,
> yielding an EIRP of 200W. Please clarify. Also, please note that
> consistancy throughout the application (i.e., between technical
> descriptions and measurement data) wrt output power is a primary concern
> of the FCC's.
> A. on page 21 output power level is 40dBm (10W).
> total yielding an EIRP of 200W. **The plot below the one to which you refer, on p.21, shows a power level of 45.33 dBm, or 34.12 W. Please clarify exactly which power is being requested to appear on the grant. If 10 W, please explain the referenced plot showing 34.12 W. Again, this is of primary concern to the FCC, and should be more clearly addressed in future application.**
>
>
> 3. Please verify that measurements were made on 3 different channels
> (low, middle, and high frequencies), per Section 15.31(m).
> A. This is an amplifier not a transmitter so no channel. **Because filter**

characteristics of an amp may vary with frequency, in the future, please specify if the reported results are indicative of performance across the entire frequency band for which authorization is requested.
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> -----Original Message-----
> From: Marianne Bosley
> To: Greg Czumak
> Sent: 8/3/2001 4:02 PM
> Subject: Celletra MET #11086 FCC ID:PNQC-BPB
>
> Greg, This one was testing by Liming. Also this one has been promised
> as quick as possible.
>
> <<emc11086.wpd>> <<Rev.3.2 Beamer Array System Assembly and
Operation
> Manual- 2.7_1.doc>> <<Beamer 3.2 Array type Acceptance Instructions
> 28.6.01.doc>> <<Beamer Module.jpg>> <<ICU Picture.jpg>> <<PCS 3.2
1x4
> Array Pic.jpg>> <<Exhibit 7 PCS Filters plots 28.6.01.doc>> <<Multi
> Channel measured performance for Beamer 1.7.01.doc>>
> <<w2000PreCertificationTests Procedure 001108FRP1114c.pdf>>
> <<FiBeamerHUBCertificate.doc>> <<FiBeamerRACCCertificate.doc>>
>
> If you need to view any of the photos, they are in the file folder
> #11086.
>
> Marianne T. Bosley
> EMC Administrator
> 410-354-3300, ext. 412
>
> <<#11086 checklist (PCS).doc>>