

## Chris Harvey

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**From:** Jennifer Sanchez [jsanchez@metlabs.com]  
**Sent:** Thursday, November 02, 2006 5:10 PM  
**To:** Chris Harvey  
**Cc:** Marie Confroy; Tony Permsombut; Jennifer Sanchez  
**Subject:** RE: Additional Information needed MT#20187 - LaserScope

Hi Chris,  
 Please see responses below.  
 Let me know if you need any further information.

Jennifer Sanchez  
 510-489-6300 ext 612  
<http://www.metlabs.com>

-----Original Message-----

From: Chris Harvey [mailto:charveyemc@verizon.net]  
 Sent: Tuesday, October 31, 2006 3:38 AM  
 To: Jennifer Sanchez  
 Cc: Marie Confroy; Tony Permsombut  
 Subject: Additional Information needed MT#20187 - LaserScope

Marie, I have performed the initial review of the above referenced application and find that the following items need to be addressed before the review can be completed:

1. Please include photographs of the entire PC Board that contains the RF Circuitry as well as the antenna that is connected to this board in the Internal Photo exhibit. Additionally, please provide an antenna description/specification sheet. **Please see files: Data sheet.pdf, laserscope-Antenna-RevB-Layout-06.pdf, Antenna Drawing.pdf & laserscope-Antenna-RevB-Fab&Assembly-Dwgs-05.pdf, Internal Photographs.pdf**
2. The text for the radiated emissions measurement procedure indicates that the RBW and VBW are set to 10kHz for measurements below 30MHz using a loop antenna. However, the plots provided on pages 13 & 14 show a RBW of 1Khz and a VBW of 3kHz. Please explain and indicate how compliance with the limits was determined. **Final measurements were taken with 10 KHz RBW; where as some of the plots given were taken with 1 KHz. (Due the difficulty caused by the nature of EUT.) Furthermore additional points were taken in the band of interest and compared with the plots and no differences were observed in this particular case.**

Please also indicate the detector type that was used to measure these emissions. **Regarding detectors, for the plots Peak detector was used.**

3. Please provide information about the RFID tags used with this device, including if they are classified as powered-tags, the return frequency, and the specifications. **No power is provided to the RFID tag beyond the RF signal from the reader. The tag returns 13.56 MHz.**

Please provide a single response that addressed the above issues, but please feel free to contact me with questions.

Best regards,

Chris Harvey  
 charvey@ieee.org

-----Original Message-----

From: Jennifer Sanchez [mailto:jsanchez@metlabs.com]  
 Sent: Friday, October 27, 2006 2:45 PM

To: charvey@ieee.org  
Cc: jsanchez@metlabs.com; mconfroy@metlabs.com; tpermsombut@metlabs.com  
Subject: 20187 - LaserScope - METrak Mail From: Jennifer Sanchez  
Importance: High

Job Number: 20187  
Model Desc: RFID sub-system for the GreenLight HPS

Customer Name: LaserScope

Customer Code: LAS2

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Task Number: 290032

Task Description: EMC/TCB Application

Task Status: In Progress

Hi Chris,

Please accomplish technical review for the FCC TCB this project with the following information:

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Please keep in mind that our turn around time for technical review is twenty-four to forty-eight hours.

Let me know if I should provide you anything else, or if there may be any delays you may foresee in reviewing.

Thanks!  
Jennifer Sanchez