

On Oct 11, 2006, at 5:46 AM, <charvey-tcb@ccsemc.com> <charvey-tcb@ccsemc.com> wrote:

Tom, I have reviewed the above referenced TCB application and find that the following items are needed before the review can be completed:

1. The Schematic Diagrams submitted seem not to include the RF Circuitry or the Head End Amplifier (HEA).? Please update the schematics to include the RF circuitry of the VHF transceiver boards and the HEA.

ANS1 Schematics of VHF transceiver board and HEA attached. VHF transceiver is identical to the one used in previously granted product MCV-FSU101

2. The image resolution of the Block Diagram exhibit is not sufficient to read the text. Please provide a new Block Diagram exhibit that is legible.

ANS2 HEA, BEA and CRU block diagrams attached

3. The MPE exhibit is unclear on several issues. The limit is stated as 0.2mW/cm², but the calculation at 30.6 cm is 0.47mW/cm². There is a row for a 2% duty cycle, but no explanation as to why this is used. The manual states that a 20cm separation is required, but does not provide any antenna selection guidance restricting the gain for either power or MPE limits.

ANS3 MPE has been corrected. The correct gain for highest gain antenna is 8.2 dBi. The correct duty cycle is 20%. MPE distance is approximately 27 cm, user manual calls out 30 cm. Antenna data sheet, corrected MPE, and updated user manual are attached

4. The general test equipment list in the test report indicates that the reference antenna calibration was due on 8/8/06. Was this antenna out of calibration during the radiated testing?

ANS4 Revised report is attached with typo corrected

5. The FCC ID number in the External and Internal photo exhibits does not contain the '-' that is contained in the FCC ID number in all other exhibits. Additionally, the application seems to be for the CRU with the Head End Amplifier, but the HEA does not seem to show up in the External or Internal photo exhibits. Please update the photo exhibits accordingly.

ANS5 Additional photos and corrected photo exhibit will be attached to a separate email

6. Please provide the DC Voltages and Currents information required by FCC 2.1033.

ANS 6 The the peak current of the amplifier in the BEA with +33DBm out of the amplifier is 3.0 Amps, the Voltage is 27.5 Volts

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

Best regards,

Chris Harvey
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