

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

From: Les Payne [mailto:les@dnbenginc.com]
Sent: Tuesday, July 29, 2003 2:46 PM
To: 'Anne Liang'
Subject: RE: TPL COMMUNICATIONS, FCC ID: BBD8-2EF, Assessment NO.: AN03T3046 (#5)

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

From: Anne Liang [<mailto:Aliang@CCSEMC.com>mailto:Aliang@CCSEMC.com]
Sent: Wednesday, July 23, 2003 10:04 AM
To: 'les@dnbenginc.com'
Subject: FW: TPL COMMUNICATIONS, FCC ID: BBD8-2EF, Assessment NO.: AN03T3046 (#5)

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

From: Compliance Certification Services
[<mailto:TCokenias@ccsemc.com>mailto:TCokenias@ccsemc.com]
Sent: Tuesday, July 22, 2003 4:15 PM
Cc: tom@tncokenias.org, aliang@ccsemc.com
Subject: TPL COMMUNICATIONS, FCC ID: BBD8-2EF, Assessment NO.: AN03T3046 (#5)

1. FCC rule para 2.925 requires the words "FCC ID" to be placed before the FCC identifier. Please submit revised label drawings or photographs that show compliance with this requirement. Attached
2. The product interior photographs do not seem to have sufficient resolution. Please re-submit or re-scan at a higher resolution. Attached
3. Will the amplifier be sold for use with 12.5 kHz channel bandwidth equipment? If so, the limit for emissions removed by more than 12.5 kHz must be suppressed by at least $50+10\log(P_{\text{watts}})$. i.e., they must be less than -20dBm. The display line shown on the spurious emissions graphs is -13 dBm. Please comment. Please reference new page 70 of the report - attached
4. For spurious emission field strength emissions required by rule para. 2.1053, emissions are referenced to the radiated output power of the transmitter, assuming all emissions are radiated from a dipole. FCC interprets this to mean that the "substitution" method must be used to determine compliance. This method called out by EIA/TIA 603 specification (among others) requires that once radiated emissions from the EUT have been measured, the EUT is removed and a signal generator and substitution antenna is put in its place. Emissions are again maximized, the signal generator is set to match the radiated reading, and the resultant ERP is compared against the limit.

Please submit data for radiated emissions performed in this fashion. Attached

5. Please submit a photograph showing the radiated emissions test set-up
Attached

6. The schematics do not seem to have sufficient resolution to be legible. Please submit original electronic file or new document scanned at higher resolution. Attached

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 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.

TCokenias@ccsemc.com

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Attachment converted: Starfish:PA82EFTMS LABEL.jpg (JPEG/prvw) (000A5CFD)
Attachment converted: Starfish:Schem_01.jpg (JPEG/prvw) (000A5CFE)
Attachment converted: Starfish:Schem_02.jpg (JPEG/prvw) (000A5CFF)
Attachment converted: Starfish:Schem_03.jpg (JPEG/prvw) (000A5D00)
Attachment converted: Starfish:Schem_04.jpg (JPEG/prvw) (000A5D01)
Attachment converted: Starfish:RV38004B Spur.pdf (PDF /CARO) (000A5D02)
Attachment converted: Starfish:Spurious Test Set Up - SU 5.jpg (JPEG/prvw) (000A5D03)
Attachment converted: Starfish:Spurious Test Set Up EUT 5.jpg (JPEG/prvw) (000A5D04)
Attachment converted: Starfish:38004_05.JPG (JPEG/prvw) (000A5D05)
Attachment converted: Starfish:MVC-038S.JPG (JPEG/prvw) (000A5D06)
Attachment converted: Starfish:MVC-039S.JPG (JPEG/prvw) (000A5D07)
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