

TCB and Test Laboratory Correspondence Summary

Fiber-Span LLC

FCC ID: Q4VAC-3101-BTR

The following are questions asked by the TCB and the responses received from the Test Lab.

TCB questions sent 6/11/03:

1. The confidentiality request letter asks for 7 individual exhibits to be held in confidence. We cannot match this list with the actual exhibits that were submitted with the application. The "LPF-BPF Filter Specification" is requested, but does not seem to be among the exhibits that were submitted. There are 2 separate bill of materials exhibits requested, but only one actual bill of materials was submitted with the application. Please submit the missing exhibits or modify and resubmit the confidentiality request. Please remember that the exhibits listed on the request must correspond one-for-one with exhibits that are submitted.
2. Please submit a tune up procedure for this device – none was received with the application.
3. The internal photos are not complete – they only show the general construction of the device. We must have photos that show both the component and solder side of all printed circuit boards. Please resubmit a complete set of internal photos.
4. The BOM is incomplete. Please, provide a new parts list.
5. The schematics are incomplete. Please, provide new schematics.
6. Description of Product: The application was made for a TNB. Additionally, the product is described as a transmitter. Does the device demodulate the modulated light then modulate, amplify, and transmit the RF signal? Please, explain. If it is a transmitter, please, provide test data for Frequency stability as a function of temperature and voltage.

Test Lab reply received 6/13/03:

- 1) Attached please find the exhibits labeled according to the Applicant's Request for Confidentiality.
- 2) Please see attached letter stating that Tune Up is not applicable.
- 3) Please see Internal Photo attached.
- 4) Addressed in item 1.
- 5) Addressed in item 1.
- 6) We were advised to apply for TNB by the FCC. (Please see email from our David Lee to Bruno Clavier on June 11, 2003.)
Frequency Stability is entirely dependent upon the input device.

TCB questions sent 6/17/03:

1. The confidential request letter dated 6/12/03 does not provide justification for requesting the internal photos and layout diagrams. What is to prevent the end-user from opening the device and viewing the boards inside? If the end-user can see the boards inside, there is no justification for this request. There does appear to be a hasp on the enclosure – will the case be locked? Who will have access to the key? How will access be controlled? Please resubmit the confidentiality request for the internal photos and diagrams with proper justification and EXPLAIN how access will be limited – and who it will be limited to.
2. Why is the tuneup procedure not applicable? It may be acceptable that there is no tuneup procedure, but a few lines or a short paragraph that explains WHY it is not applicable will be required. Please resubmit a reason for this.
3. Our original request stated that “The schematics are incomplete. Please, provide new schematics.” There have not been any additions to the schematics, they were only separated and submitted separately. As the schematics appear to be incomplete, we are expecting additional schematics.
4. The parts list is still incomplete. Please, provide a parts list including all the components with their value (e.g. C30 = 10pF, L12= 10uH, chipset p/n, etc).
5. The test report is missing test data according to 2.1055 - Frequency stability: Please, explain in details why the device does not have a carrier frequency.

Test Lab reply received 6/19/03:

- 1) The confidentiality letter indicates the documents to be held confidential and has included the reasons for wanting these held confidential. I consider this information sufficient. If you have any good reason to think not, you must indicate which documents should be removed. The FCC provides this courtesy.

There is no way you can prevent the end user or any one else from opening the device. A person can purchase these devices and copy them. Who is to stop him? In my opinion you are over reaching your authority as a TCB. Please let me know if you do not agree and I will take it up with the Commission!

- 2) If you had examined this submission carefully and understood its contents, you would have realized that this device falls into the category of say, broad band power amplifier, which does not require a tune-up procedure. See item 5.
- 3) What is missing from schematics?
 - We have sent you:
 - a) Schematics with top level BOM.
 - b) Detailed PCB information with component layout
 - c) System Block Diagram
 - You must be more specific!

- 4) Parts List: Are you familiar at all with Rule 2.1033? Where does it request parts lists in the rules? Do you mean a list of active devices and their symbols? Please be specific!
- 5) It would appear that you have not examined this submission enough or understood it's contents.

FYI, the device has NO oscillator to generate R.F. The signal presented at the input is reproduced at the output after being carried via light waves in cable to the input of the final transmitter. A radio such as a certified product, i.e. the Telex Communications FCC ID: B5DM514 granted 5/7/2001 can be used at the input to the system to drive it.