

From: Michael Heckrotte
Sent: Monday, April 18, 2005 2:21 PM
To: 'weili3@aol.com'
Subject: FW: Shyam Telecom Inc., FCC ID: S3CIRD55FB-30-70, Assessment
NO.: AN05T4695, Notice#1

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

From: Compliance Certification Services [mailto:mheckrotte@ccsemc.com]
Sent: Monday, April 18, 2005 12:36 PM
To: Michael Heckrotte
Subject: Shyam Telecom Inc., FCC ID: S3CIRD55FB-30-70, Assessment NO.:
AN05T4695, Notice#1

1. Request for confidentiality listed block diagram but block diagram is embedded in the user manual. User manual is not listed as confidential document. Please remove block diagram from user manual or update the request for confidentiality.

2. Description of circuitry contains theory of operation information but it is not considered as confidential document. Please confirm that this is not a confidential document or update the request for confidentiality.

3. Applicant is hereby notified that FCC Rules Part 22.383 states that Licensees may install and operate in-building radiation systems without applying for authorization or notifying the FCC, provided that the locations of the in-building radiation systems are within the protected service area of the licensee's authorized transmitter(s) on the same channel or channel block.

4. Please provide internal photographs of all subassemblies, including the front and back of each PC Board.

5. The schematic only shows the 800 MHz Downlink. Please provide schematics for the entire unit.

6. The schematic shows capacity for 4 sub bands, however the block diagram shows capacity for 3 sub bands in one service (PCS, according to the user manual) and 2 sub bands in the other service (Cellular, according to the user manual). Please explain.

7. The stages described in the theory of operation do not match the stages shown in the block diagram. Please update documentation to make these consistent.

8. Please provide the factory tune up procedure.

9. The output power in the test report is the power per carrier however the user manual specifies the power as composite. Additionally the rated composite power is less than the measured power per carrier. Please explain.

10. Please update the user manual to include specifications regarding the maximum input drive rating.

11. Please provide plots showing the input signals for occupied bandwidth measurements, for each modulation type.

12. Please provide test data showing the occupied bandwidth in the PCS bands.

13. Please provide test data and/or describe the means to control maximum power and assure linear operation.

14. Please provide conducted spurious plots from 30 MHz to 5.8 GHz for the following:

- PCS Band, Uplink, GSM High channel
- PCS Band, Uplink, GSM Mid channel
- PCS Band, Downlink, CDMA High channel
- PCS Band, Downlink, CDMA Mid channel
- PCS Band, Downlink, GSM High channel
- PCS Band, Downlink, GSM Mid channel

15. Please describe the number of input signals, including the frequency and drive level for each input signal, that were used for intermodulation tests.

16. The radiated spurious data shows substitution measurements to 19.898 GHz, however the equipment list only shows equipment with a maximum frequency of 3 GHz for signal generators and 18 GHz for antennas. Please explain.

17. The frequency stability table on page 167 indicates a signal in the range of 1.9 MHz, however the band under test is in the range of 1.9 GHz. Please explain.

18. Please provide test data to show the out of band rejection, or submit frequency response plots for each filter that provides out of band rejection.

19. RF Exposure: The calculated MPE distance is more than 20 cm but in the user manual, only 20 cm separation distance is required. Please make the necessary changes to the user manual.

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.