
From: Claire Hoque [mailto:claire.hoque@ccsemc.com]
Sent: Thursday, July 15, 2010 5:04 PM
To: Chris Harvey; Chris Harvey -TCB
Cc: Amy Lie
Subject: answer 10U13225 TCB questions: Anaren, Inc., FCC ID: X7J-A10030501, Assessment NO.: AN10T0569, Notice#1

Hi Chris,

1. *Attached is the authorization letter.*
2. *Integral Antenna (A2500R24A) The antenna is part of the module, and is printed on an inner layer as shown below (wavy line at top). That is why it is not visible in the pictures. The two pads on the top surface are actually test points, not an antenna connection point. It is matched to the 2.4 GHz operating band, and has a gain of 2 dBi. Please share this with the TCB reviewer and let me know if this answers the question.*

NOTE: We consider the antenna design 'proprietary', and request that pictures of it not be included in any documents open to the public.

Attached please find the updated FCC Request for Confidentiality Letter.

3. *Integral Antenna (A2500R24A) as shown in no. 2.
Monopole and Patch Antenna Specifications (A2500R24C) are attached.*
4. *Attached revised user manual to address your questions.*
5. *The shape of plots inconsistency are caused by different detected mode, also the peak detection with max hold at 6dB BW but sample detection without max hold at 99% BW (IC only) during the test.
Attached please find the revised report as one of the 99% plots on page 19 was incorrect.*
6. *Attached is the revised FCC Request for Modular Letter.*

Thanks,

Claire Hoque

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

*From: Chris Harvey
Sent: Tuesday, July 06, 2010 9:23 AM
To: Thu Chan
Cc: Chris Harvey; Claire Hoque; Lucy Tsai
Subject: Anaren, Inc., FCC ID: X7J-A10030501, Assessment NO.: AN10T0569, Notice#1*

Dear Claire and Thu,

You are listed as the Technical Contact for the above referenced TCB application. The following items need to be resolved before the review can be continued:

1. The FCC's contact of record for Grantee Code X7J is Mark Burdick. The FCC requires that all documents required to be signed are signed by either the contact of record (Mark Burdick) or his authorized representative. The Letter of Authorization submitted in this application is signed by Kurt Richardson, who is not an authorized signatory for this application.

2. There are 2 versions of this device: Model A2500R24C with the U.fl connector and mode A2500R24A with a PCB antenna. The photographs of the A2500R24A seems to show a location for antenna connection, but does not seem to show the actual PCB antenna. Is the antenna part of the Module Circuit board or is it located on another PCB?

3. Please provide clear technical specifications and photographs for the 3 antennas included in this application: 2dBi PCB, 3dBi monopole and 5dBi patch antennas.

4. The Users Manual exhibit states 2400.999786 MHz low channel and 2482.539 MHz high channel for the US & Canada for both 2FSK and MSK modulations, but the application has been submitted for only 2401.3-2480.4 MHz for 2FSK and 2401.8 - 2480.3 MHz for MSK operations. Why are non-approved channels listed in the manual as being USA and Canada compliant? If the module is capable of operation outside of the approved channels, how is the end user prevented from using those non-approved channels? Please either re-test for all channels or revise the manual to clearly indicate the available channels.

5. Please confirm that the plots for 6dB BW and 99% BW are correct and labeled correctly. It appears that the 2FSK plots and the MSK plots may have gotten mixed as the 6dB BW plots and the 99% BW plots do not appear similar for the same modulation.

6. The Modular Approval request exhibit shows an incorrect FCC ID number for this application. Please submit a corrected exhibit.

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
Charvey-tcb@ccsemc.com*