



Tim Dwyer <rfspectrum@gmail.com>

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## Alvarion Ltd., FCC ID: LKT-BMAX-OR-25, Assessment NO.: AN09T9159, Notice#1

2 messages

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tim.dwyer@ccsemc.com <tim.dwyer@ccsemc.com>

Wed, May 13, 2009 at 11:12 PM

To: tom@tncokenias.org

Cc: tim.dwyer@ccsemc.com

Hello Tom,

Review of this application is complete. Please reply to the following items.

1. Application is lacking a tune-up instructions exhibit.
2. The authorization letter and confidential letter are signed by Ari Mazaltov. The contact listed in the FCC database is Avner Ruta. FCC requires that the signers of the letters be the same as the contact in the database, or that an additional letter be included signed by the database contact and naming other individual(s) authorized to sign.
3. The external photos show a total of 10 RF connectors. The product block diagram only shows 4 RF connectors. The test setup photos show connections to 2 of the 10 RF connectors. Please provide additional explanation to reconcile these apparent differences. There appears to be some information in the operational description but it is not clear. We need to know exactly what is being approved, i.e. if the enclosure contains multiple units of what was tested, how many and how will they be connected to antenna(s), and if there will be co-located antennas.
4. The photo of the antenna in the antenna description appears to show multiple connectors. Please confirm the number of connectors and provide additional explanation if the number of connectors is greater than 1.
5. Please provide explanation regarding RF exposure MPE consistent with item 3 & 4 for all transmitters and antennas.
6. The Part 25 test report is labeled "Pre-Final". Please explain what this means.

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,

Tim Dwyer  
Technical Reviewer

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Thomas Cokenias <tom@tncokenias.org>

Sun, May 17, 2009 at 1:24 PM

To: tim.dwyer@ccsemc.com

Hi Tim,

Answers follow questions.

best regards

Tom

On May 13, 2009, at 8:12 PM, <[tim.dwyer@ccsemc.com](mailto:tim.dwyer@ccsemc.com)> wrote:

Hello Tom,

Review of this application is complete. Please reply to the following items.

1. Application is lacking a tune-up instructions exhibit.

**ANS1 Tune up instructions attached**

2. The authorization letter and confidential letter are signed by Ari Mazaltov. The contact listed in the FCC database is Avner Ruta. FCC requires that the signers of the letters be the same as the contact in the database, or that an additional letter be included signed by the database contact and naming other individual(s) authorized to sign.

**ANS2 Authorization letter signed by Avner Ruta is attached.**

3. The external photos show a total of 10 RF connectors. The product block diagram only shows 4 RF connectors. **[Avner Ruta]** there is a CAL PORT(calibration port) on the block diagram , this is the 5<sup>th</sup> RF connector The test setup photos show connections to 2 of the 10 RF connectors. **[Avner Ruta]** 2 connections is correct. One is IF connector, second is antenna TX connector .Please provide additional explanation to reconcile these apparent differences. There appears to be some information in the operational description but it is not clear. We need to know exactly what is being approved, i.e. if the enclosure contains multiple units of what was tested, how many and how will they be connected to antenna(s), and if there will be co-located antennas.**[Avner Ruta]** The enclosure contains two identical units .It is like placing two units into one package. There are 2 antenna connections on each unit , one is TX/RX connector , second is RX connector .

4. The photo of the antenna in the antenna description appears to show multiple connectors. Please confirm the number of connectors and provide additional explanation if the number of connectors is greater than 1. **[Avner Ruta]** the block diagram showing 1 of 2 units contains two antenna connections . One is TX/RX connector , second is RX connector .

5. Please provide explanation regarding RF exposure MPE consistent with item 3 & 4 for all transmitters and antennas.

**ANS5** There are two identical radios in the 4x2 (4 receiver, 2 transmitter) configuration. One TX is tuned by software to 2.4835 MHz Part 25 band, the other radio is tuned by software to 2.5 GHz Part 27 band. Only one radio TX is active at any given time. Worst case mpe is for the higher output Part 27 radio operating into the 18 dBi antenna, this mpe value was submitted with the original filing.

6. The Part 25 test report is labeled "Pre-Final". Please explain what this means.*[Avner Ruta]* attached with report number , instead of "Pre-Final". Reported data is the same.

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,

Tim Dwyer  
Technical Reviewer

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**3 attachments**



**system tuning.doc**  
28K



**09-25558 Alvarion BMAX 4M Part 25.pdf**  
477K



**fc1.pdf**  
614K

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