

To: Estrella Gil-P19838
Cc: Annette Beaulieu (E-mail)
Subject: RE: Status of FCC ID: E9U05866001T1

Gil:

Thank you for your response and the related attachments. They fully address the issues raised, and the application is now satisfactory. We will proceed to certification shortly.

Regards,
Roland Gubisch
ITS

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

From: Estrella Gil-P19838 [mailto:Gil.Estrella@motorola.com]
Sent: Saturday, June 09, 2001 1:25 PM
To: 'rwg@itsqs.com'
Cc: Annette Beaulieu (E-mail)
Subject: RE: Status of FCC ID: E9U05866001T1

Dear Mr. Gubisch,
Attached are the responses to your comments on the BDR-1000 filing.

Administrative

- 1) Updated Block Diagram is attached to this email.
- 2) The test setup photos have been extracted and attached as a separate file.
- 3) Surveillance Questionnaire is attached.

Technical

1) The current H-field data had been adjusted to correct for the distance requirements specified in 15.209 rather than adjust the limit. The 9kHz to 450kHz emissions have been reduced by 80 dB ($1/r^2$) to correlate to the 300 m requirement. The 450 kHz to 30 MHz has been similarly reduced by 40 dB for 30 m representation. Although the graphs appears to indicate the fundamental is lower than other signals present it is not a true representation of the data. The graph is a victim of the required correction factors. Additionally, some of the signals present are ambient and un-related to the carrier. Since these ambient signals were so far down below the spec we didn't pursue. In any case, I have re-taken the data at 3 meters without any correction factors for measurement distance and, rather, adjusted the limits for this translation. I've updated the Test Report, Revision A, with the new graph and associated carrier level information to confirm that there are no emissi!

!ons higher than the fundamental frequency.

I hope I have satisfactorily addressed your questions. Please feel free to contact me, however, if you need further information or have additional questions.

Thank you very much.

Regards,
Gil Estrella
Motorola IISG
8201 E. McDowell Rd. M/S H2550

Scottsdale, AZ 85252

Phone: 480-441-3725 Pager: 602-360-4001

Fax: 480-441-3625

EMail: Gil.Estrella@motorola.com

<<BDR1000_BLKDG2.pdf>> <<Test Setup Photos.pdf>> <<TCB_Surveillance.pdf>>
<<Exhibit 06 Test Report_BDR1000_RevA.pdf>>

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

From: rwg@itsqs.com [mailto:rwg@itsqs.com]

Sent: Friday, June 08, 2001 10:25 AM

To: Gil.Estrella

Cc: ABeaulieu@itsqs.com

Subject: Status of FCC ID: E9U05866001T1

<< File: TCBSurveillance_questionnaire.dot >> Gil:

Administrative and technical review of your TCB certification application have been completed. The following are noted:

ADMINISTRATIVE

- 1) Block diagram - needs to show frequencies of any oscillators in blocks,
per 2.0133(b)(5); please amend.
2) Test setup photos - we must upload them to FCC database as a separate
separate file.
3) Surveillance questionnaire - this is specific to each product; please
complete and submit a new one; a blank is attached.

TECHNICAL

- 1) Your Form 731 specifies the operating frequency as 125 kHz. The test
report (Exhibit 6 appendix A) shows emissions exceeding the fundamental at
any all frequencies above 500 kHz. Part 15 section 15.209(c) prohibits
unwanted emission from exceeding the fundamental. Please review your
designation of operating frequency, or the filtering methods used.

In accordance with our certification procedures, you may exercise
any one of the following choices:

- a) Respond within 90 days to the issues raised above. If all issues are
resolved within that time, the application will be promptly granted.

under
b) Withdraw the application. You may re-submit a revised application
the same or different FCC ID.
without
c) Do nothing. After 90 days the application will be dismissed
different FCC
prejudice, and you may re-apply at any time, using the same or
ID.

application,
Please feel free to contact me for discussion of this
and/or to correct any errors you believe may have been made in the
evaluation.

Sincerely,
Roland W. Gubisch
Chief Engineer, EMC and Telecom
Intertek Testing Services NA Inc.
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Boxborough, MA 01719
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