

Document Control

From: "EASTECH" <EASTECH@fcc.gov>
To: "Document Control" <document.control@baclcorp.com>; "EASTECH" <EASTECH@fcc.gov>; "Rashmi Doshi" <Rashmi.Doshi@fcc.gov>; "Raymond Laforge" <Raymond.Laforge@fcc.gov>
Cc: <henry.lin@baclcorp.com>; <danield@baclcorp.com>
Sent: Tuesday, December 05, 2006 8:07 AM
Subject: RE: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello Tina,
 Please go ahead and file.
 Thanks

From: Document Control [mailto:document.control@baclcorp.com]
Sent: Friday, December 01, 2006 5:25 PM
To: EASTECH; Rashmi Doshi
Cc: henry.lin@baclcorp.com; danield@baclcorp.com
Subject: Re: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hi FCC
 Our client is anxious about the application status, could you kindly update us the status of this case please?

Thanks and have a nice weekend.

Regards
 Tina
 Document Control
 Bay Area Compliance Laboratories Corp.
 (408) 732-9162 ext.3040

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

From: [Document Control](#)
To: [EASTECH](#) ; [Rashmi Doshi](#)
Cc: tiksze.chan@baclcorp.com ; henry.lin@baclcorp.com ; danield@baclcorp.com
Sent: Tuesday, November 28, 2006 1:26 PM
Subject: Re: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hi there.
 Enclosed please find the documents in pdf. and word format.
 Let me know if you still have problem to open them.
 Thanks and have a nice day.

Regards
 Document Control
 Bay Area Compliance Laboratories Corp.
 (408) 732-9162 ext.3040

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

From: [EASTECH](#)
To: [Document Control](#) ; [EASTECH](#) ; [Rashmi Doshi](#)
Cc: tiksze.chan@baclcorp.com ; henry.lin@baclcorp.com ; danield@baclcorp.com
Sent: Tuesday, November 28, 2006 5:40 AM
Subject: RE: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

The attachment cannot be opened. Please send in another format e.g. pdf or word.
 Thanks

From: Document Control [mailto:document.control@baclcorp.com]

Sent: Monday, November 27, 2006 1:50 PM
To: EASTECH; Rashmi Doshi
Cc: tiksze.chan@baclcorp.com; henry.lin@baclcorp.com; danield@baclcorp.com
Subject: Re: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Morning FCC

Per your request, enclosed please find the required documents. Based on 15.31 (m), if the frequency range over which device operates is less than 1MHz, only one channel(middle) need to be tested, the operation range for this device is 88.1-88.7MHz and 107.3-107.9MHz, the range for both bands are less than 1 MHz, so the client choose 1 channel from each band for the testing.

If you have further question, please do not hesitate to contact us. Thanks.

Regards
Document Control
Bay Area Compliance Laboratories Corp.
(408) 732-9162 ext.3040

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

From: EASTECH
To: Document Control ; EASTECH ; Rashmi Doshi
Cc: tiksze.chan@baclcorp.com ; henry.lin@baclcorp.com ; danield@baclcorp.com
Sent: Monday, November 27, 2006 6:27 AM
Subject: RE: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello,
Information required for FM transmitters (8 Questions) per TCB conference call regarding FM transmitters, must be submitted with the test report. Also, per 15.31(m), requires 3 test frequencies for the frequency range. Please submit all info as corrected.
Thanks

From: Document Control [mailto:document.control@baclcorp.com]
Sent: Wednesday, November 22, 2006 12:43 PM
To: EASTECH; Rashmi Doshi
Cc: tiksze.chan@baclcorp.com; henry.lin@baclcorp.com; danield@baclcorp.com
Subject: Re: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)
Importance: High

Hello FCC

Client has added the table top testing data, please refer to enclosed report Page 8 and the setup photos . Please kindly do a quick review and let me know if there is no further problem.
Thanks and Have a great Thanksgiving!! :)

Regards
Document Control
Bay Area Compliance Laboratories Corp.
(408) 732-9162 ext.3040

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

From: EASTECH
To: Document Control ; EASTECH ; Rashmi Doshi
Cc: tiksze.chan@baclcorp.com ; henry.lin@baclcorp.com ; danield@baclcorp.com
Sent: Friday, October 27, 2006 7:46 AM
Subject: RE: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello BACL,
The additional table top testing is now in effect. See recent TCB guidance from TCB council.
Thanks

From: Document Control [mailto:document.control@baclcorp.com]
Sent: Wednesday, October 25, 2006 9:26 PM
To: EASTECH
Cc: tiksze.chan@baclcorp.com; henry.lin@baclcorp.com; danield@baclcorp.com
Subject: Re: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello FCC,

Thank you for your quick response.

For Thomson, Inc's FM Transmitter's FCC grant, our client has emailed to FCC before based on the issue of this product's grant.

And Here is the Inquiry Tracking Number: **968368** with the email reply from FCC.

Please review the reponses below, and advise if we still need to provide the table top test results.

This is to clarify the previous emails.

1. We would prefer to use the data just from the three vehicles. The two FCC responses from their knowledge database below show justification.
2. There was a previous product approved as a "vehicle only".
3. Can you please give the FCC these responses from their knowledge database?
4. Testing the product on a tabletop would not represent the intended application. As a reminder, the photo shows that the product is powered exclusively from the 12-volt cigarette lighter in the car. The product does not have internal batteries or other power input ports.

The items in the boxes are from the >From FCC Knowledge database

Currently Display Inquiry Tracking Number: **968368**

Hello, I am testing a part 15 transmitter that operates in the 88-108 MHz band. It is designed to operate in a vehicle. It has a cigarette lighter type power plug only. Can we test this device in the vehicle at a distance of 3 meters from the edge of the vehicle?

---Reply from Customer on 05/16/2005---

The only way to power this product is through a "cigarette lighter" adaptor as in vehicles. Are you sure we cannot test it in a vehicle at a FCC registered Open area test site? I know of another similar device that was test in a vehicle (FCC ID MRS695-001).

Response: Yes. It is acceptable to test with device installed in a car at 3 meters from the edge of vehicle.

First Category: Radio Service Rules
Second Category: Part 15 General
Third Category: Low Power FM Service

Question: Sections 15.239, 15.31(d), Testing of an FM-band Transmitter using Car Wiring: What are the requirements for a Section 15.239 FM transmitter designed to use a vehicle's wiring as a transmitting antenna?

Answer: Since the transmitter uses the vehicle wiring as the transmitting antenna, it is not possible to define a "typical" antenna for use in open-field radiated emission testing of the

transmitter. Under such conditions, Section 15.31(d) specifies that radiated emission measurements should be performed in at least three typical installations. The grantee is responsible for a design that is compliant in all types of vehicles in which the device is used. Therefore, measurements of the device must be made with the transmitter installed in at least three different vehicles. A large, midsize and compact vehicle must be chosen based on models in the targeted market. Compliance with the limits specified in Section 15.239 must be demonstrated with the antenna mast placed in at least 8 different radials around the vehicle, as specified in ANSI C63.4, and should be placed at least 3 meters from the test vehicles. Other guidance to maximize radiated emissions applies may also be found in ANSI C63.4.

I am looking forward to hear from you soon. Thanks!

Best Regards,
Document Control
Bay Area Compliance Laboratories Corp.
(408) 732-9162 ext.3201

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

From: EASTECH

To: Document Control ; EASTECH ; Rashmi Doshi ; William Hurst ; Raymond Laforge

Cc: tiksze.chan@baclcorp.com ; daniel@baclcorp.com ; henry.lin@baclcorp.com

Sent: Wednesday, October 25, 2006 12:44 PM

Subject: RE: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello BA CL,

Yes, please provide table top testing also. Submit a revised test report and required replies to questions for FM approvals.

Use a fully charged battery or an AC to DC power supply connected to a 1 meter cable.

Thanks

From: Document Control [mailto:document.control@baclcorp.com]

Sent: Tuesday, October 24, 2006 8:59 PM

To: EASTECH

Cc: tiksze.chan@baclcorp.com; daniel@baclcorp.com; henry.lin@baclcorp.com

Subject: Re: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello FCC,

For Thomson, Inc's FM Transmitter's FCC grant, its intended application is a car mounted device.

The product itself does not have DC leads, just a plug for a cigarette lighter adaptor.

So It doesn't make sense to provide the table top test result.

If it's still require us to provide table top test results, what length of DC cable should our client need to use?

And how can they route the DC cables?

Please advise.

I look forward to hearing from you soon. Thanks!

Best Regards,
Document Control
Bay Area Compliance Laboratories Corp.
(408) 732-9162 ext.3201

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

From: EASTECH

To: [Document Control](#) ; [EASTECH](#)
Cc: tiksze.chan@baclcorp.com ; danield@baclcorp.com ; henry.lin@baclcorp.com
Sent: Tuesday, October 24, 2006 9:33 AM
Subject: RE: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello BACL,
Please provide table top test results for this FM transmitter. Submit all information again when resubmitting the request.
Thanks

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

From: Document Control [<mailto:document.control@baclcorp.com>]
Sent: Friday, October 20, 2006 9:28 PM
To: EASTECH
Cc: tiksze.chan@baclcorp.com; danield@baclcorp.com; henry.lin@baclcorp.com
Subject: Thomson, Inc._FM Transmitter FCC ID: G95FM-TX08B (Quick review and approval)

Hello FCC:

I am the Document Control in the Bay Area Compliance Laboratory Corp.
We are requesting to grant the FM Transmitters with testing following with FCC Section 15.239 rule and guidance.
Base on the TCB conference call on September 12, 2006, TCB must contact FCC prior to grant issuing a grant and FCC want to do a quick review of the test report.
I have attached a zip/rar files in this email with the test report, technical documents and response on the quick review.
Please review the test report and the document.
If there is any question or issue, please let me know.
Thank you so much for your assistance, and I look forward to hearing from you soon.

Best Regards,
Document Control
Bay Area Compliance Laboratories Corp.
(408) 732-9162 ext. 3201