

---

**From:** Gavidia, Janet  
**Sent:** Friday, February 13, 2009 2:30 PM  
**To:** PCTEST TCB/CB  
**Subject:** RE: Questions Regarding FCC ID: LF5MICSW2  
**Importance:** High  
Mr. Czumak,

Please find responses to your request below.

1. Yes data is still applicable
2. The test report provided was not the final released version. My apologies, final copy is attached.
3. Addressed in report attached
4. Your concerns pertaining to digital circuitry have been addressed and clarified. See report
5. This is a typo error, has been correct and a copy of the certificate is being provided
6. Revised Block diagram is attached
7. Regarding FCC 15.19 statement as mentioned in my documentation due to size our product and id requirements of numerous countries requiring primary identification we have fulfilled this requirement in our user manual.
8. Internal photo of pcb with shielding removed is provided
9. Calculation requirement for emission designator :  
D = 16.3kHz peak deviation  
R = 14.844kbits/sec  
Bn = 2.4D + 1.0R

Calculation:

$$2.4 * 16.3\text{kHz} + 1.0 * 14844\text{baud} = 53.964\text{kHz}$$

Therefore the ITU designator is: 54K0F1D

10. Noted , we have communicated this to test house.

Upon clarification of these matters , could you please advise next step and appox date when we can expect issuance of grant.

Sincerely,

Janet Gavidia

---

**From:** PCTEST TCB/CB  
**Sent:** Wednesday, February 04, 2009 8:48 PM  
**To:** Gavidia, Janet  
**Subject:** Questions Regarding FCC ID: LF5MICSW2

To: Ms. Janet Gavdia / Medtronic  
From: Mr. Gregory Czumak/ PCTEST TCB  
RE: FCC ID: LF5MICSW2

Applicant: MEDTRONICS

Correspondence Reference Number: LF581075

Confirmation Number: 811121075

Date of Original Email: February 4 , 2009

Subject: Request for additional information

In regards to your recent TCB application referenced above, we kindly request that you provide the following additional information.

1. The testing was performed more than 6 months ago. Please confirm that the data is still applicable to the EUT (i.e., no subsequent changes have been made to the EUT that may affect test results).
2. Page 20/59 of the test report states that the '52A unit failed (failing data is presented), while the '48A unit passed. Page 30/59, however, shows failing data for the '75A unit at 1662 MHz. This is not addressed. Page 32/59 shows passing data for the '48A unit, but no data at 1662 MHz is provided. Please clarify. What are the differences between these units? Why is data demonstrating compliance at 1662 MHz not provided?
3. In accordance with FCC policy, please remove failing data from the test report and resubmit it.
4. The EUT contains a digital device subject to Verification, and not Certification. In accordance with FCC policy, please remove all test data associated with the digital circuitry (15.107 (mistakenly referred to as 15.207) and 15.109) from the test report and resubmit it.
5. The MITEQ pre-amp used in the test report is listed as being past its cal due date at the time of testing. Please address.
6. Please revise the block diagram to include all clocks/oscillators, as required by Section 2.1033(b)(5), and resubmit it.
7. The FCC only permits the 15.19 statement to be placed in the user's manual if the EUT is very small: cell phone-sized, or smaller. Since the EUT is larger than that, the 15.19 statement must be placed on a label on the exterior of the EUT (e.g., on the same label as the FCC ID). Please acknowledge, and provide a sample of the label containing the required statement.
8. The internal photo of the pcb appears to show RF shielding in place. Please provide a photo of the pcb with all such shielding removed.
9. Please provide the calculations required to determine the necessary bandwidth of the emission, for use in the emission designator.

10. FYI: Section 95.628(e)(2) requires that frequency stability be measured over the temperature range 0 - 55 degrees C. Measurements were only performed up to 50 degrees C. In the future, please be sure to measure up to 55 degrees C.

The item indicated above must be submitted before processing can continue on the above referenced application.

Sincerely,

Gregory Czumak  
Senior Certification Engineer  
Quality Manager

PCTEST Engineering Laboratory, Inc.  
6660-B Dobbin Road  
Columbia, MD 21045  
410-290-6652  
410-290-6654 (Fax)  
[gregory@pctestlab.com](mailto:gregory@pctestlab.com)

This communication and its attachments contain information from PCTEST Engineering Laboratory, Inc., and is intended for the exclusive use of the recipient (s) named above. It may contain information that is confidential and/or legally privileged. Any unauthorized use that may compromise that confidentiality via distribution or disclosure is prohibited. Please notify the sender immediately if you receive this communication in error, and delete it from your computer system. Usage of PCTEST email addresses for non-business related activities is strictly prohibited. No warranty is made that the e-mail or attachment(s) are free from computer virus or other defect. Thank you.

[CONFIDENTIALITY AND PRIVACY NOTICE] Information transmitted by this email is proprietary to Medtronic and is intended for use only by the individual or entity to which it is addressed, and may contain information that is private, privileged, confidential or exempt from disclosure under applicable law. If you are not the intended recipient or it appears that this mail has been forwarded to you without proper authority, you are notified that any use or dissemination of this information in any manner is strictly prohibited. In such cases, please delete this mail from your records. To view this notice in other languages you can either select the following link or manually copy and paste the link into the address bar of a web browser: <http://emaildisclaimer.medtronic.com>