

MEASUREMENT AND TECHNICAL REPORT

MEDTRONIC MINIMED
18000 Devonshire Street
Northridge, CA 91325

DATE: 06 January 2006

This Report Concerns:	Original Grant: <input checked="" type="checkbox"/>	Class II Change: <input type="checkbox"/>
Equipment Type:	TGMS II	
Deferred grant requested per 47 CFR 0.457(d)(1)(ii)?	Yes: <input type="checkbox"/> Defer until: <input type="text"/>	No: <input checked="" type="checkbox"/>
Company Name agrees to notify the Commission by:	<input type="text" value="N/A"/>	
of the intended date of announcement of the product so that the grant can be issued on that date.		
Transition Rules Request per 15.37?	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
(*) FCC Part 15, Paragraph(s) 15.231(a), 15.231(c), and 15.231(e)		
Report Prepared by:	TÜV AMERICA, INC 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone: 858 678 1400 Fax: 858 546 0364	

TABLE OF CONTENTS

	Pages
1.0 GENERAL INFORMATION	<u>3 - 4</u>
1.1 Product Description	<u>3</u>
1.2 Related Submittal Grant	<u>3</u>
1.3 Tested System Details	<u>3</u>
1.4 Test Methodology	<u>3</u>
1.5 Test Facility	<u>4</u>
2.0 SYSTEM TEST CONFIGURATION	<u>5</u>
2.1 Justification	<u>5</u>
2.2 EUT Exercise Software	<u>5</u>
2.3 Special Accessories	<u>5</u>
2.4 Equipment Modifications	<u>5</u>
2.5 Configuration of Test System	<u>5</u>
3.0 DEACTIVATION EQUIPMENT/DATA	
EMISSION BANDWIDTH EQUIPMENT/DATA	
FIELD STRENGTH OF EMISSIONS EQUIPMENT/DATA	<u>6 - 10</u>
4.0 ATTESTATION STATEMENT	<u>11</u>

1.0 GENERAL INFORMATION

1.1 Product Description

None

1.2 Related Submittal Grant

None

1.3 Tested System Details

The FCC ID's for all equipment, plus descriptions of all cables used in the tested system are:

None

1.4 Test Methodology

Purpose of Test: To demonstrate compliance with the following tests.

Test Summary					
Test Description	Paragraph Number	Summary of Results			Pass/Fail
		Low Channel	Mid Channel	High Channel	
Deactivation	15.231(a)	--	50 mS	--	Pass
Emissions Bandwidth	15.231(c)	--	60.2 kHz	--	Pass
Field Strength of Emissions	15.231(e)	--	68.8 dB μ V/m @ 418 MHz	--	Pass

Testing was performed according to the procedures in FCC/ANSI C63.4 and CSA 108.8-M1983.

1.5 Test Facility

The open area test site and conducted measurement data were tested by:

TÜV AMERICA, INC
10040 Mesa Rim Road
San Diego, CA 92121-2912
Phone: 858 678 1400
Fax: 858 546 0364

The Test Site Data and performance comply with ANSI C63.4 and are registered with the FCC, 7435 Oakland Mills Road, Columbia Maryland 21046. All Measurement Data is acquired according to the content of FCC Measurement Procedure and ANSI C63.4, unless supplemented with additional requirements as noted in the test report.

2.0 SYSTEM TEST CONFIGURATION

2.1 Justification

The EUT was initially tested for FCC emissions in the following configuration:

See Test Setup Photos Exhibit

2.2 EUT Exercise Software

None

2.3 Special Accessories

None

2.4 Equipment Modifications

None

2.5 Configuration of Test System

See Test Setup Photos Exhibit

**3.0 DEACTIVATION EQUIPMENT/DATA
EMISSION BANDWIDTH EQUIPMENT/DATA
FIELD STRENGTH OF EMISSIONS EQUIPMENT/DATA**

**Test Conditions: DEACTIVATION: FCC Part 15.231(a)
EMISSION BANDWIDTH: FCC Part 15.231(c)
FIELD STRENGTH OF EMISSIONS: FCC Part 15.231(e)**

The following measurements were performed at the San Diego Testing Facility:

- Test not applicable

■ - Roof (Small Open Area Test Site)

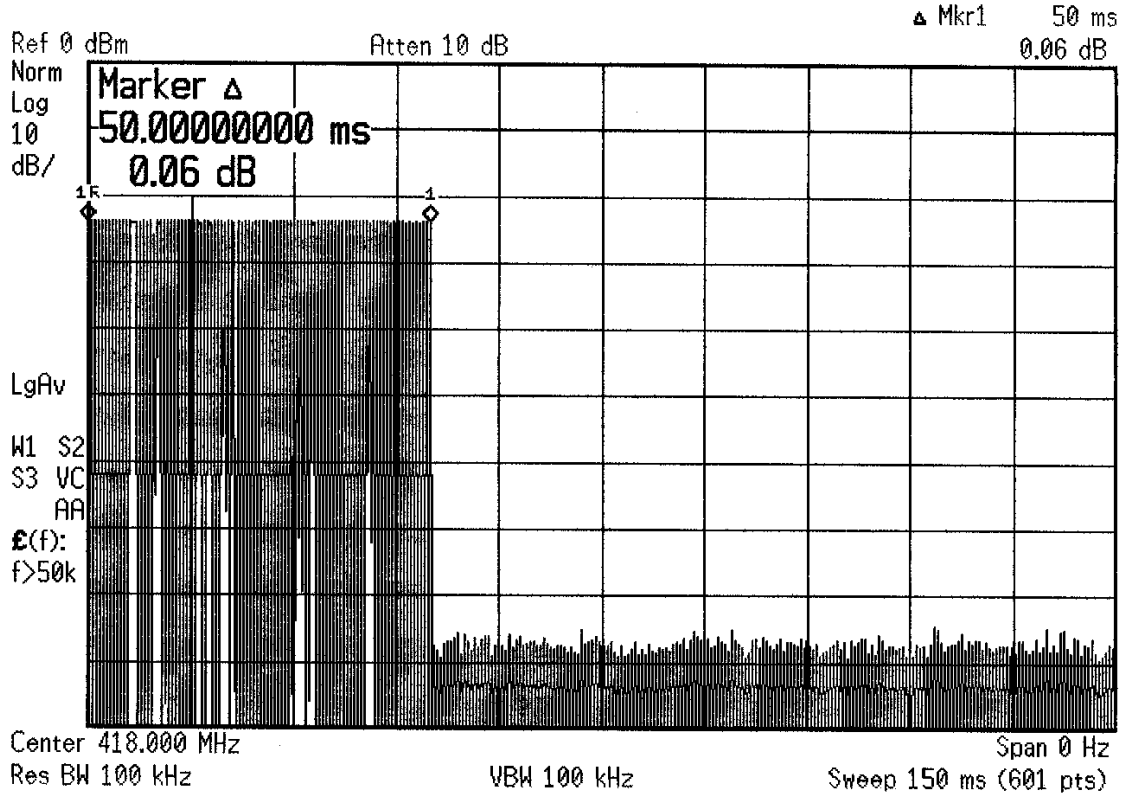
Test Equipment Used:

Model No.	Prop. No.	Description	Manufacturer	Serial No./Version No.	Date Cal'ed
3146	243	Log Periodic Dipole Antenna	EMCO	106X	06/05
3146	418	Log Periodic Antenna	EMCO	9402-3775	03/05
3115	453	Double Ridge Antenna	EMCO	9412-4364	08/05
E4440A	6814	Spectrum Analyzer	Hewlett Packard	MY42510441	12/04
HFOATS	--	Test Software	TUV America	Beta231	N/A

Remarks: One year calibration cycle for all test equipment and sites.

FCC Part 15.231(a) - Deactivation

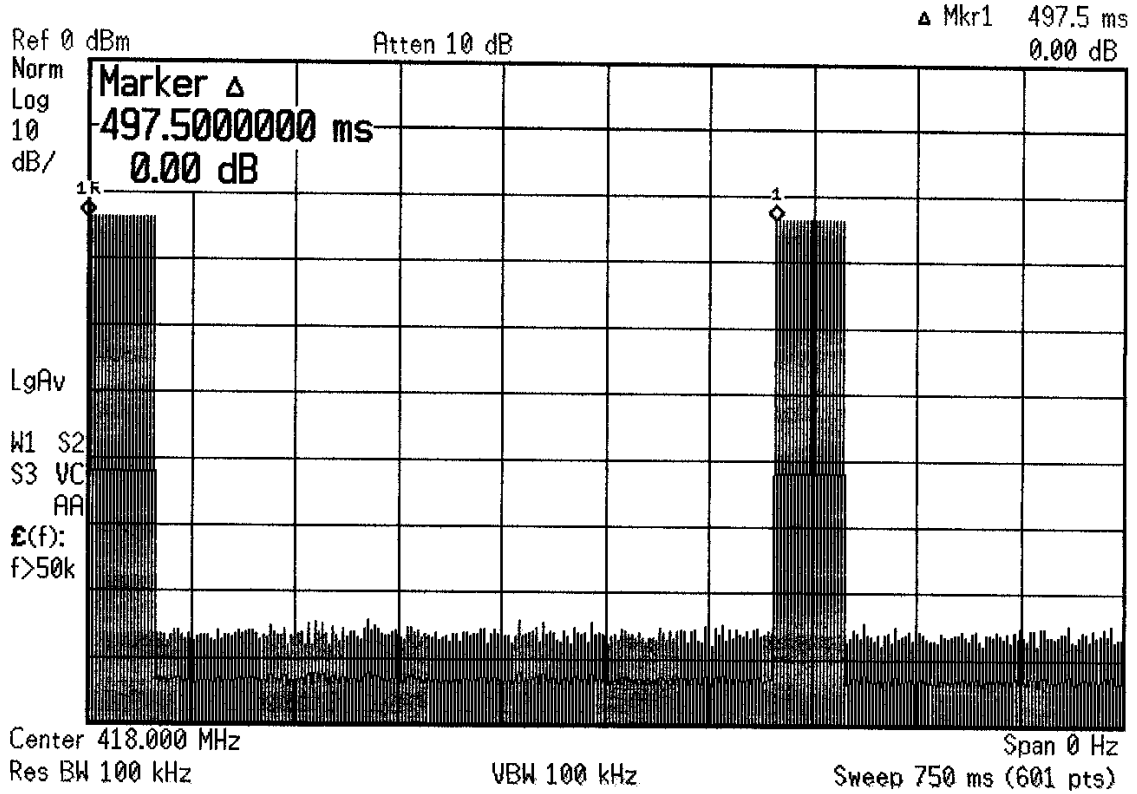
* Agilent 11:24:39 Dec 12, 2005



5-second interval cycle. "No transmit activity occurs prior to triggered graph" for the deactivation graph.

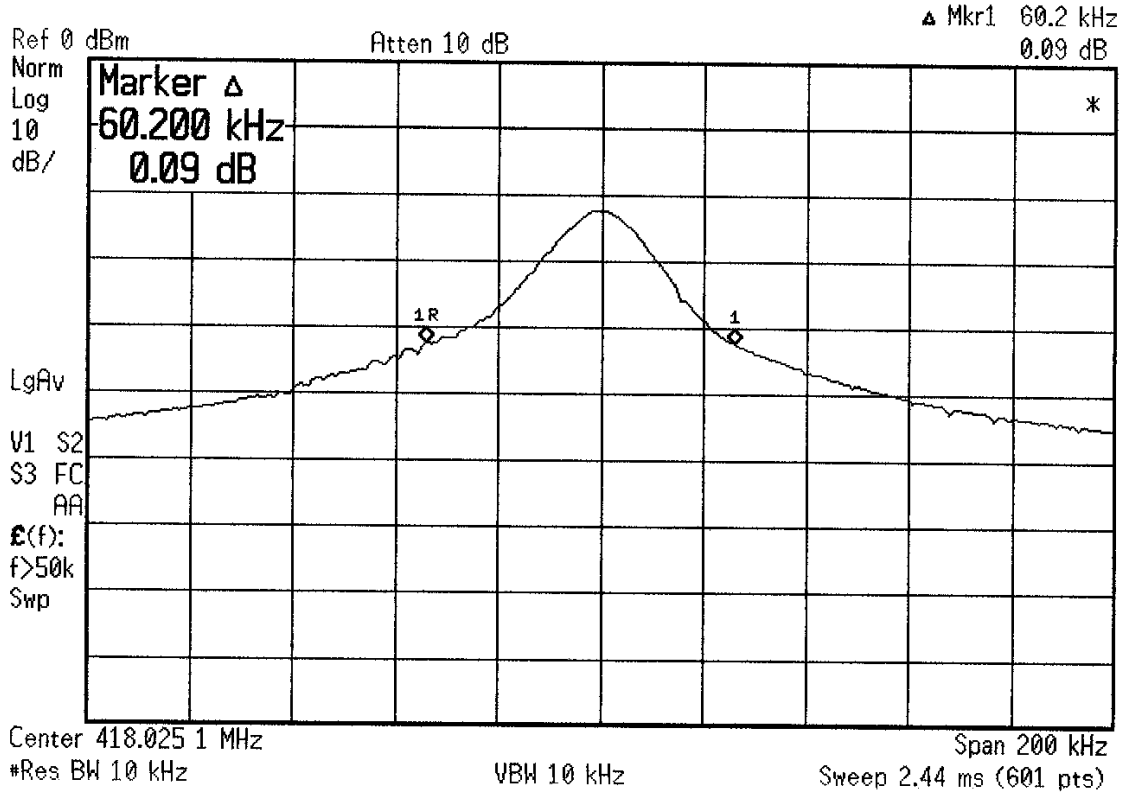
15.234a) deactivation

Agilent 11:26:11 Dec 12, 2005



FCC Part 15.231(c) - Emission Bandwidth

* Agilent 11:47:07 Dec 12, 2005



4.0 ATTESTATION STATEMENT

GENERAL REMARKS:

SUMMARY:

All tests were performed per CFR 47, Part(s) 15.231(a), 15.231(c), and 15.231(e)

■ - Performed

The Equipment Under Test

■ - **Fulfills** the requirements of CFR 47, Part(s) 15.231(a), 15.231(c), and 15.231(e)

Testing Start Date: 12 December 2005

Testing End Date: 12 December 2005

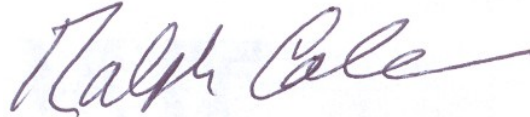
- TÜV AMERICA, INC. -

Reviewing Engineer:



David Gray
(EMC Engineer In Charge)

Test Engineer:



Ralph Cole
(EMC Engineer)