

# TEST REPORT

## FCC Part 15 Subpart C Section 15.209 IC RSS-210 Issue 8 Amendment 1 IC RSS-Gen Issue 4

MANUFACTURER	Inspire Medical Systems, Inc. 9700 63rd Ave. North – Suite 200 Maple Grove MN 55369 USA
PRODUCT NAME	Inspire Sleep Remote
MODEL NUMBER	2500
SERIAL NUMBER TESTED	SLP002008N
DESCRIPTION	Patient Programmer for Implantable Pulse Generator with 175 kHz Transmitter
TEST REPORT NUMBER	NC72109305.1
TEST DATE(S)	02 October 2015

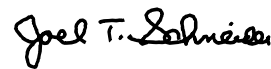
TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the applicable EMC requirements of FCC Part 15 Subpart C Section 15.209 "Radiated emission limits; general requirements" and Industry Canada RSS-210 Issue 8 with Amendment 1 "Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment" and Industry Canada RSS-Gen Issue 4 "General Requirements and Information for the Certification of Radio Apparatus".

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

Issue Date: 09 October 2015



Greg S Jakubowski  
EMC Test Engineer



Joel T Schneider  
Senior EMC Engineer

Not Transferable

# EMC TEST REPORT

Test Report No. NC72109305.1 Date of issue: 09 October 2015  
 Product Name Inspire Sleep Remote  
 Model 2500  
 Serial number tested SLP002008N  
 Description Patient Programmer for Implantable Pulse Generator. 175 kHz transmitter  
 Test Date 02 October 2015  
 Manufacturer Inspire Medical Systems, Inc.  
9700 63rd Ave. North – Suite 200  
Maple Grove MN 55369 USA  
 Issuing Laboratory TÜV SÜD America Inc  
1775 Old Highway 8 NW, Suite 104  
New Brighton MN 55112-1891 USA  
Phone: 651 631 2487 / Fax: 651 638 0285  
 Test Result  **Positive**  **Negative**

*TÜV SÜD America Inc reports apply only to the specific samples tested under stated test conditions. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. TÜV SÜD America Inc shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD America Inc issued reports.*

*This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval. TÜV SÜD America's New Brighton and Taylors Falls Labs maintain A2LA accreditation to ISO/IEC 17025 for the specific tests listed in A2LA Certificate #2955.11 as an Electrical Testing Laboratory.*

*TÜV SÜD America Inc and its professional staff hold government and professional organization certifications and are members of AAMI, ACIL, AEA, ANSI, IEEE, NARTE, and VCCI.*

**REVISION RECORD**

REVISION	TOTAL NUMBER OF PAGES	DATE	DESCRIPTION
	22	09 October 2015	Initial Release





**EMC TEST REGULATIONS:**

The tests were performed according to the following regulations:

FCC Part 15 Subpart C §15.209  
IC RSS-210 Issue 8 Amendment 1  
IC RSS-Gen Issue 4

**LAB ACCREDITATION:**

TÜV SÜD America's New Brighton and Taylors Falls Labs maintain A2LA accreditation to ISO/IEC 17025 for the specific tests listed in A2LA Certificate #2955.11 as Electrical Testing Laboratories located at the following addresses:

Physical Location: 1775 Old Highway 8 NW, Suite 104  
New Brighton MN 55112-1891 USA  
Satellite Location 19333 Wild Mountain Road  
Taylors Falls MN 55084 USA

**ENVIRONMENTAL CONDITIONS IN THE LAB**

	<u>Actual</u>
Temperature:	: 23°C
Atmospheric pressure	: 100kPa
Relative Humidity	: 54-61%

**POWER SUPPLY UTILIZED**

Power supply system :3.0 VDC

**TEST EQUIPMENT**

All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated according to internal procedure.

**MEASUREMENT UNCERTAINTY**

The test system for conducted emissions is defined as the LISN, tuned receiver or spectrum analyzer, and coaxial cable. The test system has a measurement uncertainty of  $\pm 1.8$  dB. The test system for radiated emissions is defined as the antenna, the pre-amplifier, the spectrum analyzer and the coaxial cable. The test system has a measurement uncertainty of  $\pm 4.8$  dB. All measurement instrumentation is traceable to the National Institute of Standards and Technology and is calibrated according to internal procedure.

**SIGN EXPLANATIONS**

- not applicable
- applicable

## General field strength limits. 175kHz fundamental transmit signal

### FCC 15.209(a), FCC 15.209(c), IC RSS-210 2.5, RSS-Gen 7.2.5

#### Test summary

The requirements are: ■ - MET □ - NOT MET

Testing was performed in accordance with the test procedure of ANSI C63.10: 2013

#### Test location

TÜV SÜD America Inc, Taylors Falls, Large Test Site (Open Area Test Site)

#### Test distances

- - 1 meters
- - 3 meters
- - 10 meters

#### Test equipment

TUV ID	Model	Manufacturer	Description	Serial	Cal Date	Cal Due
WRLE02418	6502	Electro-Mechanics (EMCO)	Loop Antenna	2215	03-Sep-15	03-Sep-16
WRLE02534	ESHS-20	Rohde & Schwarz	EMI Receiver 9kHz-30MHz	837055/003	26-Aug-15	26-Aug-16

Cal Code B = Calibration verification performed internally. Cal Code Y = Calibration not required when used with other calibrated equipment.

#### Test limit

13.7 $\mu$ V/m or 22.7dB $\mu$ V/m at 300m average

137 $\mu$ V/m or 42.7dB $\mu$ V/m at 300m peak

#### Test Data

DUT rotated through 360 degrees in 3 orthogonal axes
Highest fundamental field strength with DUT standing upright, bottom side parallel with loop antenna

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)
1 meter distance			
175.0 kHz	113.3 Pk	0.0 / 12.38 / 0.0 / 0.0	125.68
175.0 kHz	99.2 Av	0.0 / 12.38 / 0.0 / 0.0	111.58
3m			
175.0 kHz	87.32 Pk	0.0 / 12.38 / 0.0 / 0.0	99.7
175.0 kHz	73.75 Av	0.0 / 12.38 / 0.0 / 0.0	86.13
10m			
175.0 kHz	60.03 Pk	0.0 / 12.38 / 0.0 / 0.0	72.41
175.0 kHz	47.05 Av	0.0 / 12.38 / 0.0 / 0.0	59.43

Frequency (MHz)	Detector	Distance 1 m dB $\mu$ V/m	Distance 3 m dB $\mu$ V/m	Distance 10 m dB $\mu$ V/m	Distance 300 m dB $\mu$ V/m	Distance 300 m $\mu$ V/m	Limit dB $\mu$ V/m 300 m	Limit $\mu$ V/m 300 m
0.175	AV	111.58	86.13	59.43	-0.57*	0.936*	22.7	13.7
0.175	PK	125.68	99.7	72.41	12.41*	4.17*	42.7	137

\* Extrapolated value using 40 dB per decade fall off as indicated by measurements

Radiated emissions in the frequency range of 10 kHz to 30 MHz, including the fundamental transmit signal, are measured using a receiver capable of quasi-peak/average/peak measurements and a magnetic loop antenna. The transmitter and loop antenna are rotated through 3 orthogonal axes in order to determine the maximum emission levels. If the signal cannot be measured at the specified limit distance, measurements are recorded at multiple distances nearer to the device and the final level mathematically extrapolated. Measurements between 150 kHz and 30 MHz are made with a 9 kHz resolution bandwidth. Measurements between 9 kHz and 150 kHz are made with a 200 Hz resolution bandwidth.

## General field strength limits 0.009 – 30 MHz. Spurious emissions

### FCC 15.209(a), FCC 15.209(c), IC RSS-210 2.5, RSS-Gen 7.2.5

#### Test summary

The requirements are:  - MET  - NOT MET

Testing was performed in accordance with the test procedure of ANSI C63.10: 2013

No unwanted emissions exceed the level of the fundamental.

#### Test location

TÜV SÜD America Inc, Taylors Falls, Large Test Site (Open Area Test Site)

#### Test distances

- 1 meters
- 3 meters
- 10 meters

#### Test equipment

TUV ID	Model	Manufacturer	Description	Serial	Cal Date	Cal Due
WRLE02418	6502	Electro-Mechanics (EMCO)	Loop Antenna	2215	03-Sep-15	03-Sep-16
WRLE02534	ESHS-20	Rohde & Schwarz	EMI Receiver 9kHz-30MHz	837055/003	26-Aug-15	26-Aug-16

Cal Code B = Calibration verification performed internally. Cal Code Y = Calibration not required when used with other calibrated equipment.

#### Test limit

Frequency (MHz)	Field strength ( $\mu\text{V}/\text{m}$ )	Measurement distance (m)
0.009-0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30	30	30

The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. The provisions in §§15.31, 15.33, and 15.35 for measuring emissions at distances other than the distances specified in the above table, determining the frequency range over which radiated emissions are to be measured, and limiting peak emissions apply to all devices operated under this part.

#### Test Data

(see following page)

## Quasi-Peak detector

Frequency (kHz)	Field strength (dB $\mu$ V/m@1m)	Field strength (dB $\mu$ V/m@3m)	Field strength (dB $\mu$ V/m@10m)	Field strength (dB $\mu$ V/m@30m)	Field strength ( $\mu$ V/m@30m)	Limit ( $\mu$ V/m@30m)	Result (pass/fail)
525	86.96	61.19	NF	21.19*	11.468*	45.714	Pass
875	80.83	55.23	NF	15.23*	5.774*	27.429	Pass
1225	66.25	41.95	NF	1.95*	1.252*	19.592	Pass
1575	62.49	38.22	NF	-1.78*	0.815*	15.238	Pass
1925	55.83	NF	---	-4.17*	0.619*	30.000	Pass
2275	60.2	35.5	NF	-4.50*	0.596*	30.000	Pass
2625	56.57	NF	---	-3.43*	0.674*	30.000	Pass
2975	48.21	NF	---	-11.79*	0.257*	30.000	Pass
3325	50.87	NF	---	-9.13*	0.350*	30.000	Pass
3675	43.27	NF	---	-16.73*	0.146*	30.000	Pass

NF Noise floor

\* Extrapolated using 40 dB/decade falloff.

Radiated emissions in the frequency range of 10 kHz to 30 MHz, including the fundamental transmit signal, are measured using a receiver capable of quasi-peak/average/peak measurements and a magnetic loop antenna. The transmitter and loop antenna are rotated through 3 orthogonal axes in order to determine the maximum emission levels. If the signal cannot be measured at the specified limit distance, measurements are recorded at multiple distances nearer to the device and the final level mathematically extrapolated. Measurements between 150 kHz and 30 MHz are made with a 9 kHz resolution bandwidth. Measurements between 9 kHz and 150 kHz are made with a 200 Hz resolution bandwidth.





## General field strength limits above 30 MHz

### FCC 15.209(c), FCC 15.209(f), IC RSS-210 2.5, RSS-Gen 7.2.5

#### Test summary

The requirements are: ■ - MET □ - NOT MET

Testing was performed in accordance with the test procedure of ANSI C63.10: 2013.

#### Test location

TÜV SÜD America Inc, Taylors Falls, Large Test Site (Open Area Test Site)

#### Test distance

3 meters

#### Test Equipment

TUV ID	Model	Manufacturer	Description	Serial	Cal Date	Cal Due
OWLE03202	EM-6917B	Electro-Metrics	Biconicalog Periodic	101	16-Oct-14	16-Oct-15
WRLE10897	ZHL-1042J	Mini-Circuits	Amplifier Broadband AMP/ SMA QA1148002	NA	Code B 06-Feb-15	Code B 06-Feb-16
WRLE03294	8566B	Hewlett-Packard	Spectrum Analyzer	2349A03098	15 Sep 15	15 Sep 16
WRLE02680	85650A	Hewlett-Packard	Quasi-Peak Adapter	2043A00343	15 Sep 15	15 Sep 16
WRLE02673	85662A	Hewlett-Packard	Analyzer Display	2152A03687	15 Sep 15	15 Sep 16
WRLE10863	N/A	TÜV SÜD America Inc	Test Companion Software Version 3.4.71	N/A	Code Y	Code Y

Cal Code B = Calibration verification performed internally. Cal Code Y = Calibration not required when used with other calibrated equipment

#### Test limit

Frequency (MHz)	Field strength ( $\mu\text{V}/\text{m}$ )	Field strength ( $\text{dB}\mu\text{V}/\text{m}$ )	Measurement distance (m)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

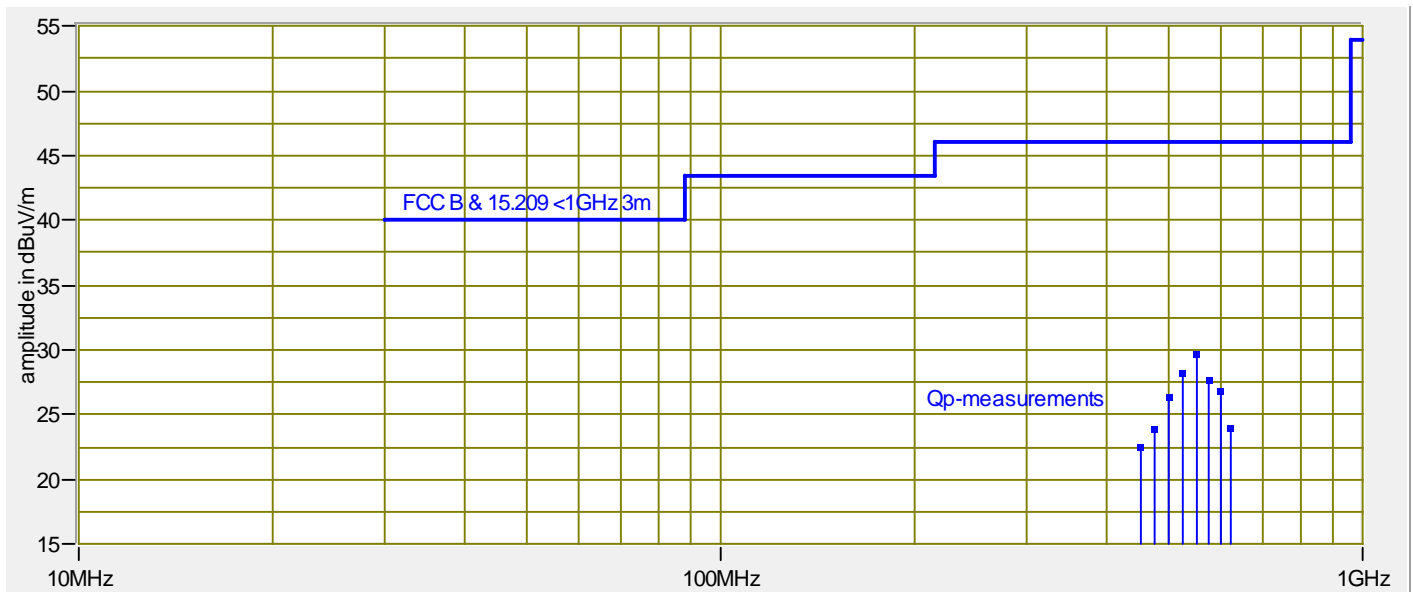
The emission limits shown in the above tables are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§ 15.250, 15.252, 15.255, and 15.509–15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

#### Test Data

(see following page)

**Measurement summary for limit1: FCC B & 15.209 <1GHz 3m (Qp)**

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B & 15.209 <1GHz 3m
550.0 MHz	33.17 Qp	2.66 / 24.1 / 30.17 / 0.0	29.76	V / 1.00 / 325	-16.24
525.0 MHz	32.18 Qp	2.58 / 23.5 / 30.18 / 0.0	28.08	V / 1.00 / 325	-17.92
575.0 MHz	30.81 Qp	2.74 / 24.25 / 30.11 / 0.0	27.69	V / 1.00 / 325	-18.31
600.0 MHz	29.57 Qp	2.82 / 24.54 / 30.19 / 0.0	26.74	V / 1.00 / 325	-19.26
500.0 MHz	30.98 Qp	2.5 / 23.0 / 30.16 / 0.0	26.32	V / 1.00 / 325	-19.68
625.0 MHz	26.04 Qp	2.9 / 25.26 / 30.27 / 0.0	23.92	V / 1.00 / 325	-22.08
475.0 MHz	29.06 Qp	2.42 / 22.54 / 30.13 / 0.0	23.88	V / 1.00 / 325	-22.12
450.0 MHz	28.06 Qp	2.34 / 22.08 / 30.11 / 0.0	22.37	V / 1.00 / 325	-23.63





**Occupied bandwidth**  
RSS-Gen 4.6.1

**Test summary**

The requirements are:  - MET  - NOT MET

Test was performed in accordance with the article "The Measurement of Occupied Bandwidth" by Industry Canada's certification bureau. Occupied bandwidth is 21.7649 kHz

**Test location**

TÜV SÜD America Inc, Taylors Falls, Large Test Site (Open Area Test Site)

**Test equipment**

TUV ID	Model Number	Manufacturer	Description	Serial Number	Cal Date	Cal Due
WRLE03371	E4440A	Agilent	Spectrum Analyzer	MY43362222	28-Oct-14	28-Oct-15

Cal Code B = Calibration verification performed internally. Cal Code Y = Calibration not required when used with other calibrated equipment.

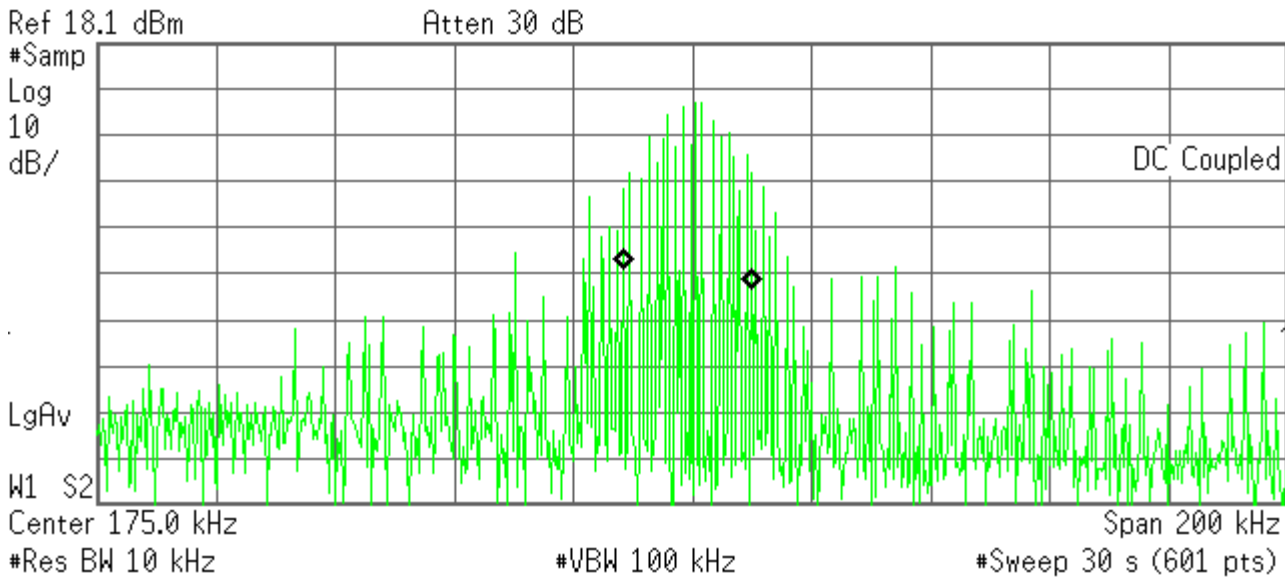
**Test limit**

Not specified

**Test data**

☀ **Agilent** 13:36:07 Oct 2, 2015

L



**Occupied Bandwidth**  
**21.7649 kHz**

**Occ BW % Pwr**      99.00 %  
**x dB**                -26.00 dB

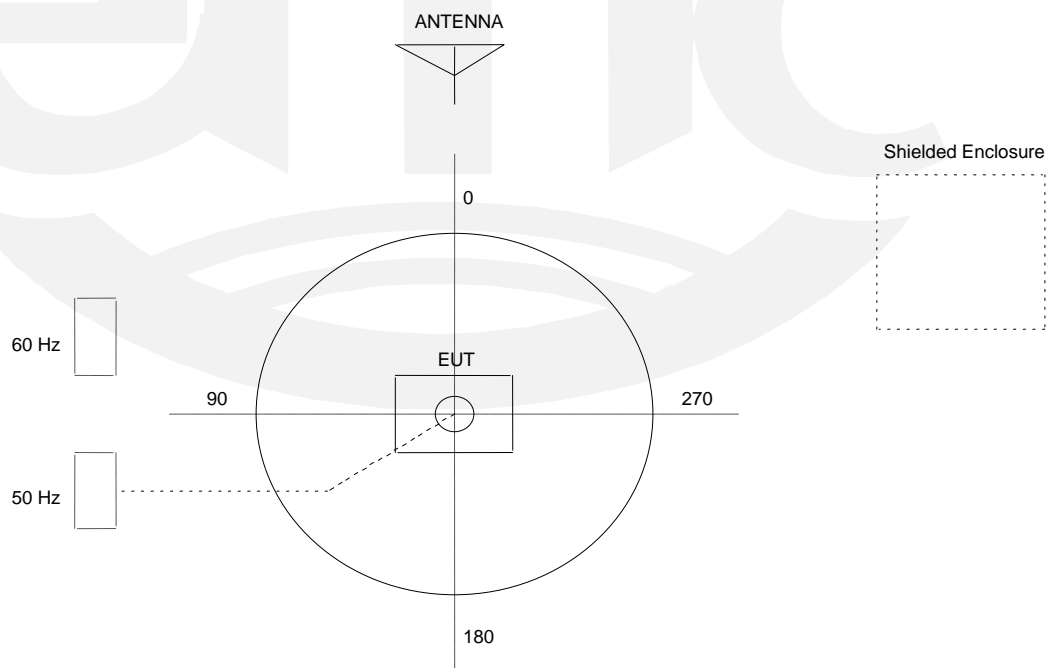
**Transmit Freq Error**      -718.061 Hz  
**x dB Bandwidth**            31.773 kHz\*

## TEST SETUP FOR EMISSIONS TESTING

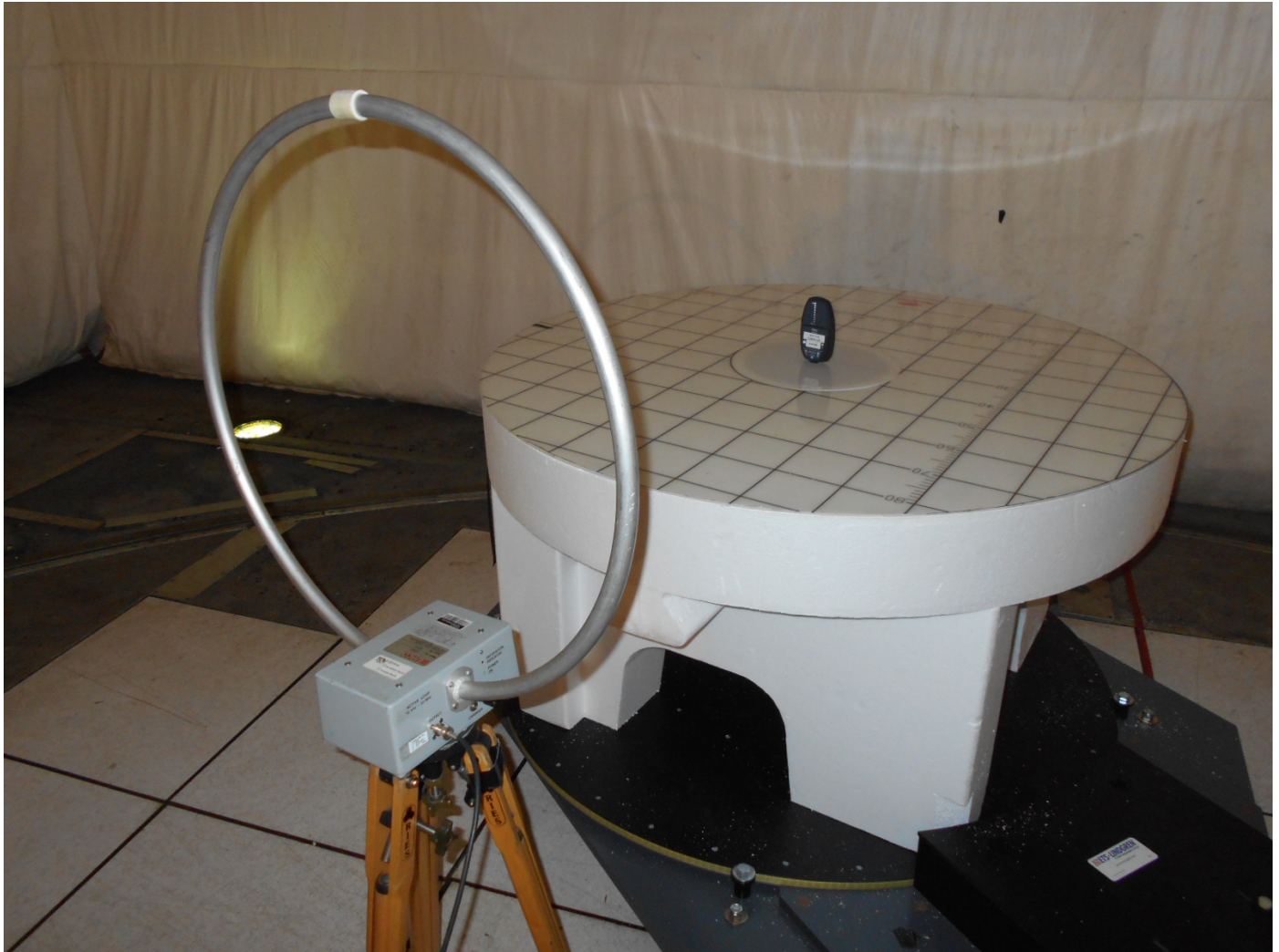
TÜV SÜD America Inc, Taylors Falls  
Large Test Site

### Notes:

1. Items shown in dotted lines are located on the floor below the test area. It is 5 meters vertically from the ground floor to the test area.
2. 50 Hz and 60 Hz are power panels for alternating current.
3. The antenna may be positioned horizontally 3 and 10 meters from the center of the turntable.
4. The circle is either a 6.7 meter or 1.2 meter diameter turntable.
5. A ground plane is in the plane of this sheet.
6. The test sample is shown in the azimuthal position representing zero degrees.



Test-setup photo(s):



Test-setup photo(s):



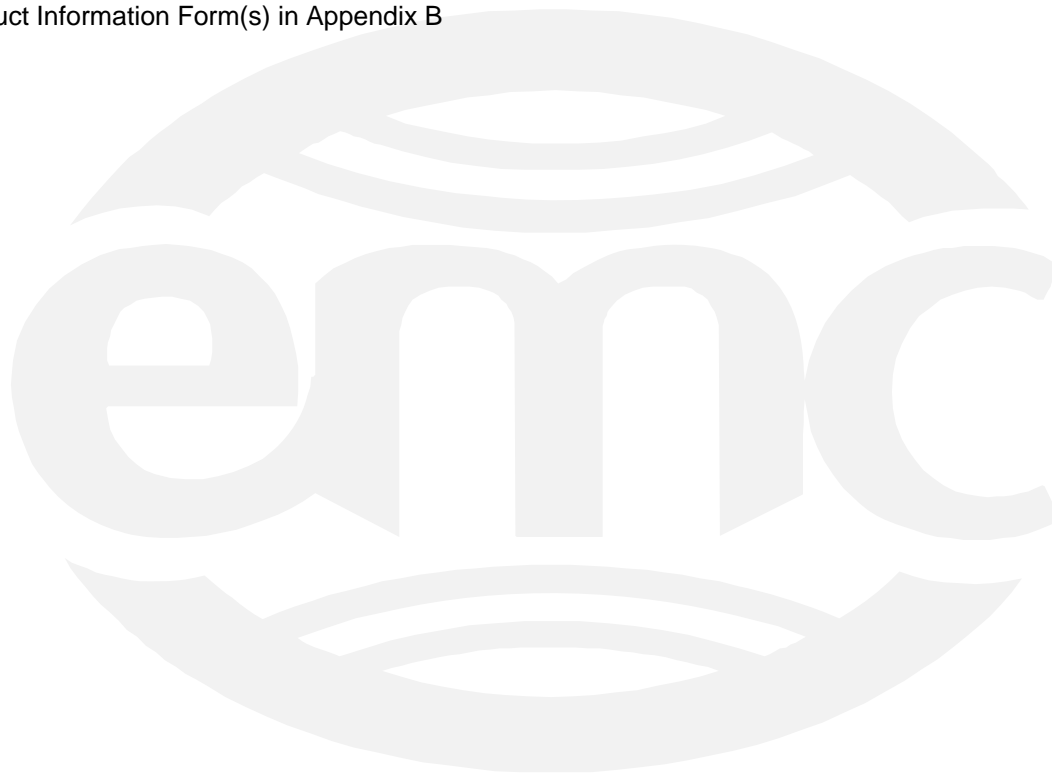
**Equipment Under Test (EUT) Test Operation Mode:**

The device under test was operated under the following conditions during testing :

- Normal operating mode
- Continuous transmit mode

**Configuration of the device under test:**

- See Appendix A and test setup photos
- See Product Information Form(s) in Appendix B





**DEVIATIONS FROM STANDARD:**

None.

**GENERAL REMARKS:**

None

Modifications required to pass:

- None  
 As indicated on the data sheet(s)

Test Specification Deviations: Additions to or Exclusions from:

- None  
 As indicated in the Test Plan

**SUMMARY:**

The requirements according to the technical regulations are

- met and the device under test does fulfill the general approval requirements.  
 - **not** met and the device under test does **not** fulfill the general approval requirements..

EUT Received Date: 02 October 2015Condition of EUT: NormalTesting Start Date: 02 October 2015Testing End Date: 02 October 2015**TÜV SÜD AMERICA INC**

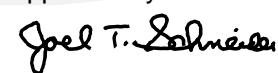
Tested by:




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 Greg S Jakubowski  
 EMC Test Engineer

Approved by:




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 Joel T Schneider  
 Senior EMC Engineer



## Appendix A

### Constructional Data Form



**Form**



**EMC Test Plan and Constructional Data Form**

PLEASE COMPLETE THIS DOCUMENT IN FULL, ENTERING N/A IF THE FIELD IS NOT APPLICABLE. IF TESTING RESULTS IN MODIFICATIONS TO THE EQUIPMENT, PLEASE SUBMIT A REVISED TP/CDF INDICATING THOSE MODIFICATIONS.  
**NOTE: This information will be input into your test report as shown below. Press the F1 key at any time to get HELP for the current field selected.**

Company: Inspire Medical Systems, Inc.  
 Address: 9700 63<sup>rd</sup> Ave. North  
Suite 200  
Maple Grove, MN 55369  
 Contact: Dave Dieken Position: Principal Systems Engineer  
 Phone: 612-242-6506 Fax: 763-537-4310  
 E-mail Address: davedieken@inspiresleep.com

**General Equipment Description -- NOTE: This information will be input into your test report as shown below.**

EUT Description Patient Programmer for Implantable Pulse Generator  
 EUT Name Inspire Sleep Remote  
 Model No.: 2500 Serial No.: SLP002005N, SLP002006N, SLP002007N, SLP002008N, SLP002009N  
 Product Options: N/A  
 Configurations to be tested: Normal firmware (installed on SLP002005N, SLP002007N, SLP002008N)  
Test mode firmware (installed on SLP002006N, SLP002009N)

**Equipment Modification (If applicable, indicate modifications since EUT was last tested. If modifications are made during this testing, submit revised TP/CDF after testing is complete.)**

Modifications since last test: N/A  
 Modifications made during test: N/A

**Test Objective(s): Please indicate the tests to be performed, entering the applicable standard(s) where noted.**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> EMC Directive 2004/108/EC (EMC)<br>Std: _____                                   | <input checked="" type="checkbox"/> FCC: Class <input type="checkbox"/> A <input checked="" type="checkbox"/> B Part <u>15</u> |
| <input type="checkbox"/> Machinery Directive 89/392/EEC (EMC)<br>Std: _____   | <input type="checkbox"/> VCCI: Class <input type="checkbox"/> A <input type="checkbox"/> B                                     |
| <input checked="" type="checkbox"/> Medical Device Directive 93/42/EEC (EMC)<br>Std: _____                          | <input type="checkbox"/> BSMI: Class <input type="checkbox"/> A <input type="checkbox"/> B (Separate Report)                   |
| <input type="checkbox"/> Vehicle Directive - 2004/104/EC (EMC)<br><input type="checkbox"/> Other Vehicle Std: _____ | <input type="checkbox"/> Canada: Class <input type="checkbox"/> A <input type="checkbox"/> B                                   |
| <input checked="" type="checkbox"/> FDA Reviewers Guidance for Premarket Notification Submissions (EMC)             | <input type="checkbox"/> Australia: Class <input type="checkbox"/> A <input type="checkbox"/> B                                |
|   | <input type="checkbox"/> Other: _____  |
|   | <input type="checkbox"/> Ag Directive *2009/64/EC (EMC)  |

Form



**EMC Test Plan and Constructional Data Form**

<b>Third Party Certification (contact TÜV for quote), if applicable (*Signature on last page required).</b>	
<input type="checkbox"/> Attestation of Compliance (AoC)*	<input type="checkbox"/> EMC Certification (used with Octagon Mark)*
<input type="checkbox"/> Statement of Compliance (SoC, previously CoC)* - All aspects of the essential requirements were assessed	
Protection Class (Req'd for AoC, SoC, EMC Cert. N/A for vehicles) <input type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III (Press F1 when field is selected to show additional information on Protection Class.)	
<input checked="" type="checkbox"/> FCC / TCB Certification	<input type="checkbox"/> Taiwan Certification
<input type="checkbox"/> Industry Canada / FCB Certification	<input type="checkbox"/> Korean Certification
<input type="checkbox"/> e-Mark Certification	

**Attendance**

Test will be:  Attended by the customer  Unattended by the customer

**Failure - Complete this section if testing will not be attended by the customer.**

If a failure occurs, TÜV SÜD America should:

Call contact listed above, if not available then stop testing. (After hrs phone): same as above

Continue testing to complete test series.

Continue testing to define corrective action.

Stop testing.

**EUT Specifications and Requirements**

Length: ~5 inches Width: ~3 inches Height: ~1.5 inches Weight: 5 oz.

**Power Requirements**

*Regulations require testing to be performed at typical power ratings in the countries of intended use. (i.e., European power is typically 230 VAC 50 Hz or 400 VAC 50 Hz, single and three phase, respectively)*

Voltage: 3V via 2X LR03 batteries (If battery powered, make sure battery life is sufficient to complete testing.)

# of Phases: \_\_\_\_\_

Current (Amps/phase(max)): \_\_\_\_\_ Current (Amps/phase(nominal)): \_\_\_\_\_

Other \_\_\_\_\_

**Other Special Requirements**

**Typical Installation and/or Operating Environment**

(ie. Hospital, Small Business, Industrial/Factory, etc.)  
Home

**EUT Power Cable**

Permanent OR  Removable Length (in meters): \_\_\_\_\_

Shielded OR  Unshielded

Not Applicable

Form



EMC Test Plan and Constructional Data Form

EUT Interface Ports and Cables														
Type	Analog	Digital	During Test		Qty	Shielding		Termination	Connector Type	Port Termination	Length tested (in meters)	Removable	Permanent	
			Active	Passive		Yes	No							Type
<b>EXAMPLE:</b>														
RS232	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Foil over braid	Coaxial	Metallized 9-pin D-Sub	Characteristic Impedance	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Micro USB	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Foil	USB	USB		1	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>						<input type="checkbox"/>	<input type="checkbox"/>

**Form**



**EMC Test Plan and Constructional Data Form**

**EUT Software.**

Revision Level: 0.6.4 (Normal functionality), 0.1.1 (Test mode functionality)

Description:

**Equipment Under Test (EUT) Operating Modes to be Tested --** list the operating modes to be used during test. It is recommended the equipment be tested while operating in a typical operation mode. FCC testing of personal computers and/or peripherals requires that a simple program generate a complete line of upper case H's. Provide a general description of all software, firmware, and PLD algorithms used in the equipment. List all code modules as described above, with the revision level used during testing. Consult with your TÜV Product Service Representative if additional assistance is required.

1. Normal mode
  
2. Test modes: Continuous Operation Mode (for electrical safety testing), Continuous Telemetry Mode (for radiated immunity testing), Continuous Transmit Mode (for intentional radiator testing), Continuous Status Mode (for radiated emissions testing)
  
- 3.

**Equipment Under Test (EUT) System Components --** List and describe all components which are part of the EUT. For FCC & Taiwan testing a minimum configuration is required. (ie. Mouse, Printer, Monitor, External Disk Drive, Motherboard, etc)

Description	Model #	Serial #	FCC ID #

Form



**EMC Test Plan and Constructional Data Form**

**Support Equipment** -- List and describe all support equipment which is not part of the EUT. (i.e. peripherals, simulators, etc) This information is required for FCC & Taiwan testing.

<i>Description</i>	<i>Model #</i>	<i>Serial #</i>	<i>FCC ID #</i>
Inspire Implantable Pulse Generator	3024	NCR200726H, NCR200003H, NCR000040H	
Inspire Physician Programmer	2740	LAB009	

**Oscillator Frequencies**

<i>Manufacturer</i>	<i>Frequency</i>	<i>Derived Frequency</i>	<i>Component # / Location</i>	<i>Description of Use</i>
Abrakon	32.768kHz	48MHz	Y2/PCBA	Main oscillator for microprocessor and telemetry
Abrakon	32.768kHz	32.768kHz	Y3/PCBA	Real time clock

**Power Supply**

<i>Manufacturer</i>	<i>Model #</i>	<i>Serial #</i>	<i>Type</i>
N/A			<input type="checkbox"/> Switched-mode: (Frequency) _____ <input type="checkbox"/> Linear <input type="checkbox"/> Other: _____
			<input type="checkbox"/> Switched-mode: (Frequency) _____ <input type="checkbox"/> Linear <input type="checkbox"/> Other: _____

**Power Line Filters**

<i>Manufacturer</i>	<i>Model #</i>	<i>Location in EUT</i>
N/A		

**Form**



**EMC Test Plan and Constructional Data Form**

<b>Critical EMI Components (Capacitors, ferrites, etc.)</b>				
<i>Description</i>	<i>Manufacturer</i>	<i>Part # or Value</i>	<i>Qty</i>	<i>Component # / Location</i>
N/A				

**EMC Critical Detail --** Describe other EMC Design details used to reduce high frequency noise.

N/A

PLEASE ENTER NAMES BELOW (INSERT ELECTRONIC SIGNATURE IF POSSIBLE)

**Authorization (Signature Required if a Third Party Certification is checked on pg 1)**

Dave Dieken	2Oct2015
_____	_____
Customer authorization to perform tests according to this test plan.	Date
Dave Dieken	2Oct2015
_____	_____
Test Plan/CDF Prepared By (please print)	Date