

FCC Test Report

Product Name : SMART CLOTHING OF HEART RATE MONITOR

Model No. : A10-AHG01

FCC ID. : 2AJNX-A10AHG01

Applicant : King's Metal Fiber Technologies Co., Ltd.

Address : No.195, Dongbei St., Fengyuan Dist.,
Taichung City 42060, Taiwan (R.O.C.)

Date of Receipt : Aug. 17, 2016

Issued Date : Aug. 24, 2016

Report No. : 1680382R-RFUSP01V00-A

Report Version : V1.0



The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Test Report Certification

Issued Date : Aug. 24, 2016

Report No. : 1680382R-RFUSP01V00-A



Product Name : SMART CLOTHING OF HEART RATE MONITOR
Applicant : King's Metal Fiber Technologies Co., Ltd.
Address : No.195, Dongbei St., Fengyuan Dist., Taichung City 42060,
Taiwan (R.O.C.)
Manufacturer : G.PULSE INTERNATIONAL CO.,LTD.
Model No. : A10-AHG01
FCC ID. : 2AJNX-A10AHG01
EUT Voltage : DC 3V (Power by Battery)
Trade Name : **AiQ**
Smart Clothing
Applicable Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.247: 2015
Test Result : Complied

The test results relate only to the samples tested.

The test report shall not be reproduced except in full without the written approval of QuieTek Corporation.

Documented By :

A handwritten signature in blue ink, appearing to read "Demi Chang".

(Demi Chang / Engineering Adm. Specialist)

Tested By :

A handwritten signature in blue ink, appearing to read "Scott Chang".

(Scott Chang / Assistant Engineer)

Approved By :

A handwritten signature in blue ink, appearing to read "Roy Wang".

(Roy Wang / Director)

Revision History

| Report No. | Version | Description | Issued Date |
|-----------------------|---------|-------------------------|---------------|
| 1680382R-RFUSP01V00-A | V1.0 | Initial issue of report | Aug. 24, 2016 |
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Laboratory Information

We, **Quietek Corporation**, are an independent RF consultancy that was established the whole facility in our laboratories. The test facility has been accredited/accepted (audited or listed) by the following related bodies in compliance with ISO 17025 specified testing scopes:

| | | |
|----------------------|----------|--|
| Taiwan R.O.C. | : | TAF, Accreditation Number: 3024 |
| USA | : | FCC, Registration Number: 834100 |
| Canada | : | IC, Submission No: 181665 / IC Registration Number: 4075C-4 |

The related certificate for our laboratories about the test site and management system can be downloaded from Quietek Corporation's Web Site:<http://www.quietek.com/english/about/certificates.aspx?bval=5>

The address and introduction of Quietek Corporation's laboratories can be founded in our Web site :
http://www.quietek.com/index_en.aspx

If you have any comments, Please don't hesitate to contact us. Our contact information is as below:

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TEL:+886-3-592-8858 / FAX:+886-3-592-8859 E-Mail : service@quietek.com

LinKou Testing Laboratory:

No.5-22, Ruishukeng, Linkou Dist., New Taipei City 24451, Taiwan, R.O.C.
TEL : 886-2-8601-3788 / FAX : 886-2-8601-3789 E-Mail : service@quietek.com

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1. General Information

1.1. EUT Description

| | |
|--------------------------------|--------------------------------------|
| Product Name | SMART CLOTHING OF HEART RATE MONITOR |
| Trade Name | AiQ Smart Clothing |
| Model No. | A10-AHG01 |
| Frequency Range/Channel Number | 2402~2480MHz / 40 Channels |
| Type of Modulation | Bluetooth 4.0(GFSK) |
| Antenna Type | Printed |
| Antenna Gain | 0dBi |

| Working Frequency of Each Channel | | | | | | | |
|-----------------------------------|-----------|------------|-----------|------------|-----------|------------|-----------|
| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| Channel 00 | 2402 MHz | Channel 10 | 2422 MHz | Channel 20 | 2442 MHz | Channel 30 | 2462 MHz |
| Channel 01 | 2404 MHz | Channel 11 | 2424 MHz | Channel 21 | 2444 MHz | Channel 31 | 2464 MHz |
| Channel 02 | 2406 MHz | Channel 12 | 2426 MHz | Channel 22 | 2446 MHz | Channel 32 | 2466 MHz |
| Channel 03 | 2408 MHz | Channel 13 | 2428 MHz | Channel 23 | 2448 MHz | Channel 33 | 2468 MHz |
| Channel 04 | 2410 MHz | Channel 14 | 2430 MHz | Channel 24 | 2450 MHz | Channel 34 | 2470 MHz |
| Channel 05 | 2412 MHz | Channel 15 | 2432 MHz | Channel 25 | 2452 MHz | Channel 35 | 2472 MHz |
| Channel 06 | 2414 MHz | Channel 16 | 2434 MHz | Channel 26 | 2454 MHz | Channel 36 | 2474 MHz |
| Channel 07 | 2416MHz | Channel 17 | 2436 MHz | Channel 27 | 2456 MHz | Channel 37 | 2476 MHz |
| Channel 08 | 2418 MHz | Channel 18 | 2438 MHz | Channel 28 | 2458 MHz | Channel 38 | 2478 MHz |
| Channel 09 | 2420 MHz | Channel 19 | 2440 MHz | Channel 29 | 2460 MHz | Channel 39 | 2480 MHz |

Note:

1. This device is a SMART CLOTHING OF HEART RATE MONITOR including a 2.4GHz Bluetooth 4.0 function.
2. Regards to the frequency band operation; the lowest 、middle and highest frequency of channel were selected to perform the test, and then shown on this report.
3. This device is a Bluetooth 4.0 in accordance with Part 15 regulations. The function receiving was measured and made a test report that the report number is 1680382R-RFUSP01V00 under Declaration of Conformity.

1.2. Test Mode

QuieTek has verified the construction and function in typical operation. All the test modes were carried out with the EUT in transmitting operation, which was shown in this test report and defined as follows:

| | |
|-----------------|------------------|
| Pre-Test Mode | |
| EMI | Mode 1: Transmit |
| Final Test Mode | |
| EMI | Mode 1: Transmit |

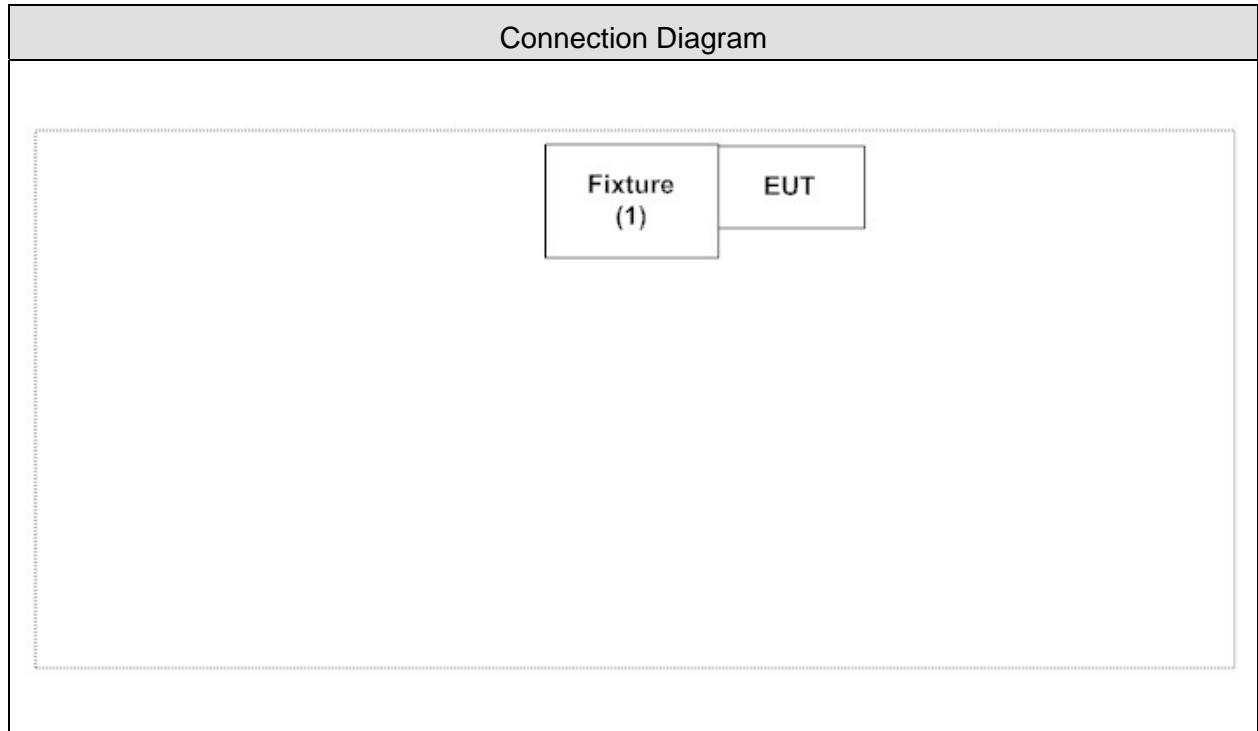
| Test Items | Mode | Modulation | Channel | Antenna | Result |
|-----------------------------|------|------------|----------|---------|----------|
| Conducted Emission | 1 | GFSK | 19 | 0 | NA |
| Peak Power Output | 1 | GFSK | 00/19/39 | 0 | Complies |
| Radiated Emission | 1 | GFSK | 00/19/39 | 0 | Complies |
| RF antenna conducted test | 1 | GFSK | 00/19/39 | 0 | Complies |
| Radiated Emission Band Edge | 1 | GFSK | 00/39 | 0 | Complies |
| Occupied Bandwidth | 1 | GFSK | 00/19/39 | 0 | Complies |
| Power Density | 1 | GFSK | 00/19/39 | 0 | Complies |

1.3. Tested System Details

The types for all equipments, plus descriptions of all cables used in the tested system (including inserted cards) are:

| | Product | Manufacturer | Model No. | Serial No. | FCC ID | Power Cord |
|---|---------|-----------------|-----------|------------|--------|------------|
| 1 | Fixture | G-PULSE Antenna | N/A | N/A | DoC | -- |

1.4. Configuration of tested System



1.5. EUT Exercise Software

| | |
|---|---|
| 1 | Setup the EUT as shown in Section 1.4. |
| 2 | Execute the setting with the fixture. |
| 3 | Configure the test mode, the test channel to start the continuous transmit. |
| 4 | Verify that the EUT works properly. |

1.6. Test Facility

Ambient conditions in the laboratory:

| Items | Test Item | Required (IEC 68-1) | Actual |
|----------------------------|---|---------------------|----------|
| Temperature (°C) | FCC PART 15 C 15.247 Peak Power Output | 15 - 35 | 23 |
| Humidity (%RH) | | 25 - 75 | 50 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Radiated Emission | 15 - 35 | 25 |
| Humidity (%RH) | | 25 - 75 | 54 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Band Edge | 15 - 35 | 25 |
| Humidity (%RH) | | 25 - 75 | 50 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Occupied Bandwidth | 15 - 35 | 24 |
| Humidity (%RH) | | 25 - 75 | 48 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 RF antenna conducted test | 15 - 35 | 24 |
| Humidity (%RH) | | 25 - 75 | 48 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |
| Temperature (°C) | FCC PART 15 C 15.247 Power Density | 15 - 35 | 24 |
| Humidity (%RH) | | 25 - 75 | 48 |
| Barometric pressure (mbar) | | 860 - 1060 | 950-1000 |

2. Peak Power Output

2.1. Test Equipment

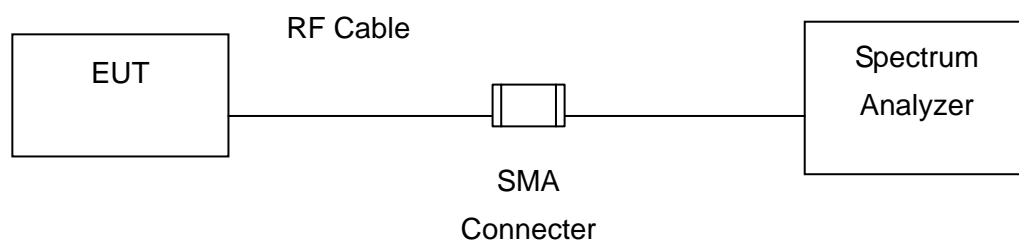
The following test equipment is used during the test:

Peak Power Output / SR7

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|-------------------|--------------|------------|------------|----------------|
| Spectrum Analyzer | Agilent | N9010A-EXA | US47140172 | 2015/07/14 |

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2.2. Test Setup



2.3. Test procedures

The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.

2.4. Limits

The maximum peak power shall be less 1 Watt.

2.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

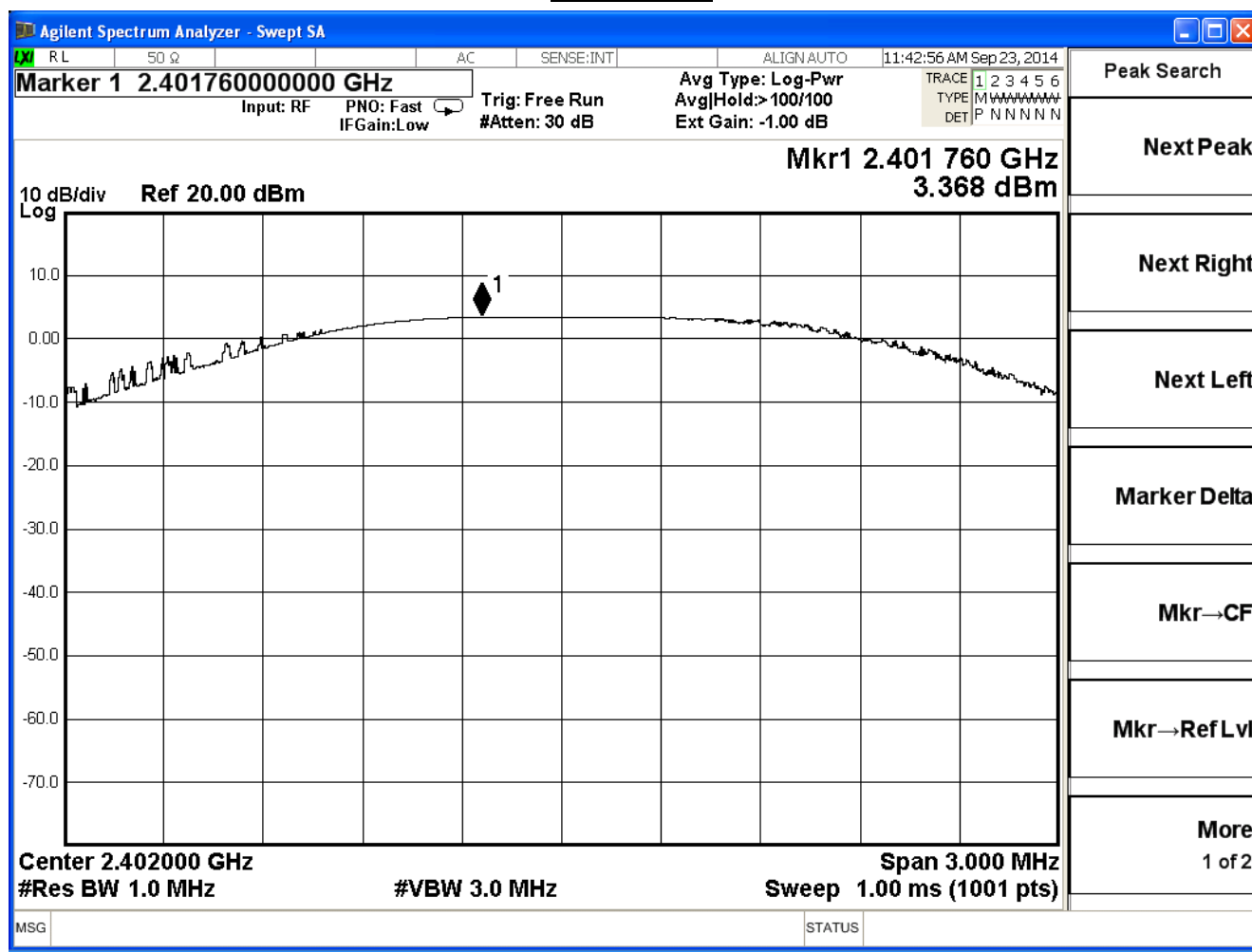
2.6. Test Result

| | | | |
|--------------|--------------------------------------|-----------|-----|
| Product | SMART CLOTHING OF HEART RATE MONITOR | | |
| Test Item | Peak Power Output | | |
| Test Mode | Mode 1: Transmit | | |
| Date of Test | 2014/09/23 | Test Site | SR7 |

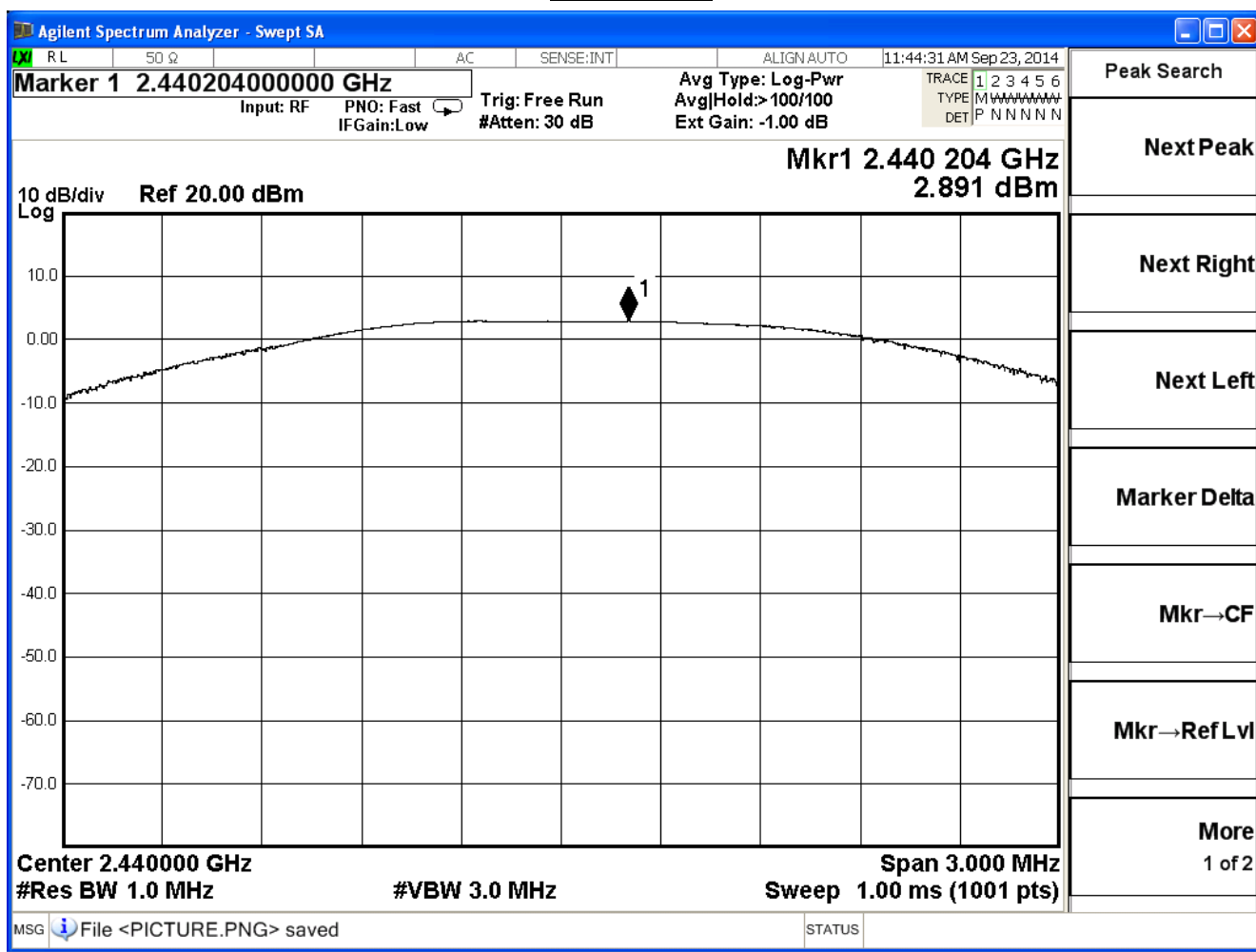
GFSK

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00 | 2402 | 3.368 | 30 | Pass |
| 19 | 2440 | 2.891 | 30 | Pass |
| 39 | 2480 | 2.882 | 30 | Pass |

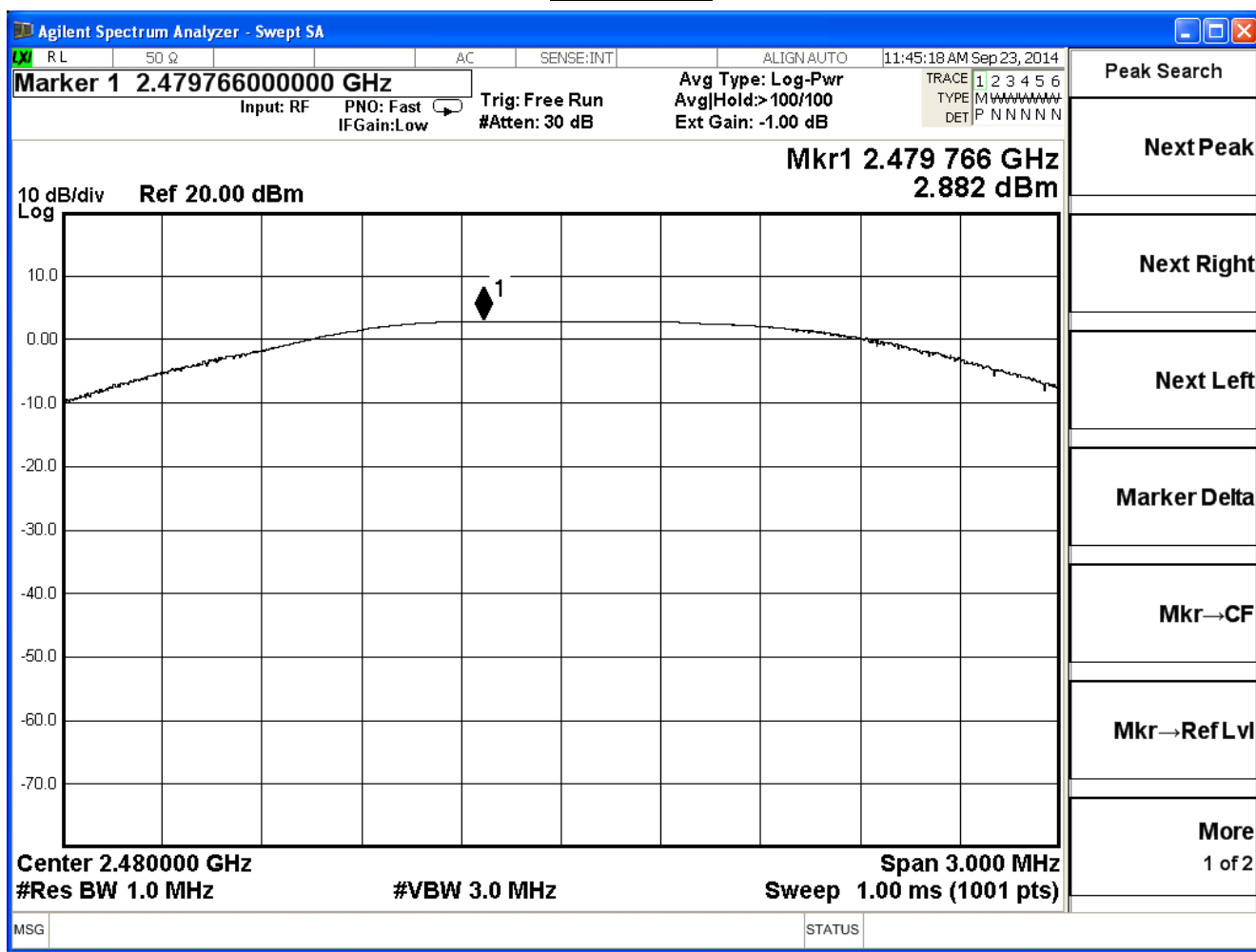
Channel 00



Channel 19



Channel 39



3. Radiated Emission

3.1. Test Equipment

The following test equipments are used during the test:

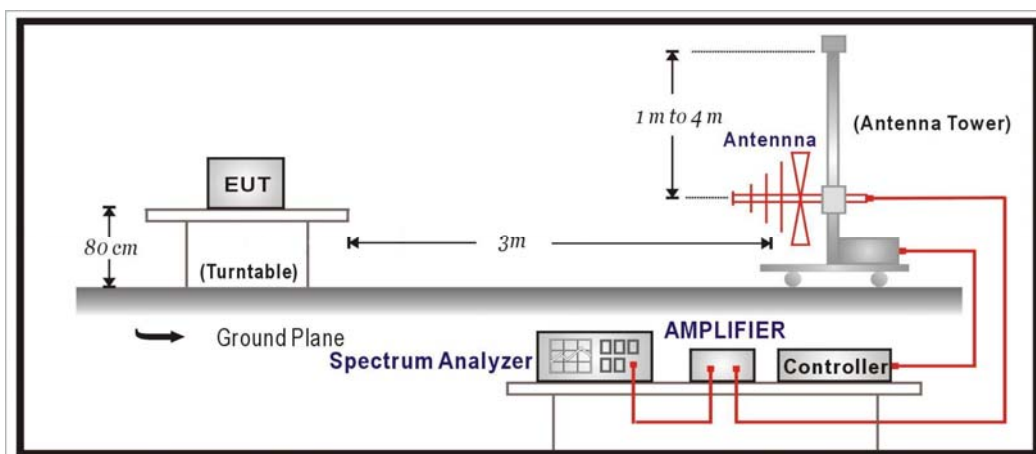
Radiated Emission / CB1

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|----------------------------------|--------------|--------------|-------------|----------------|
| Bilog Antenna | SCHAFFNER | CBL6112B | 2895(CB1) | 2015/08/14 |
| Double Ridged Guide Horn Antenna | Schwarzback | BBHA 9120 | D743 | 2015/02/12 |
| Pre-Amplifier | Quietek | AMF-4D. | 888003 | 2015/06/02 |
| Pre-Amplifier | QuieTek | AP-025C | CHM-0706049 | 2015/02/06 |
| Spectrum Analyzer | Agilent | E4440A | MY46187335 | 2015/01/12 |
| k Type Cable | Huber Suhner | Sucoflex 102 | 25623/2 | 2015/02/10 |
| Bilog Antenna | SCHAFFNER | CBL6112B | 2895(CB1) | 2015/08/14 |

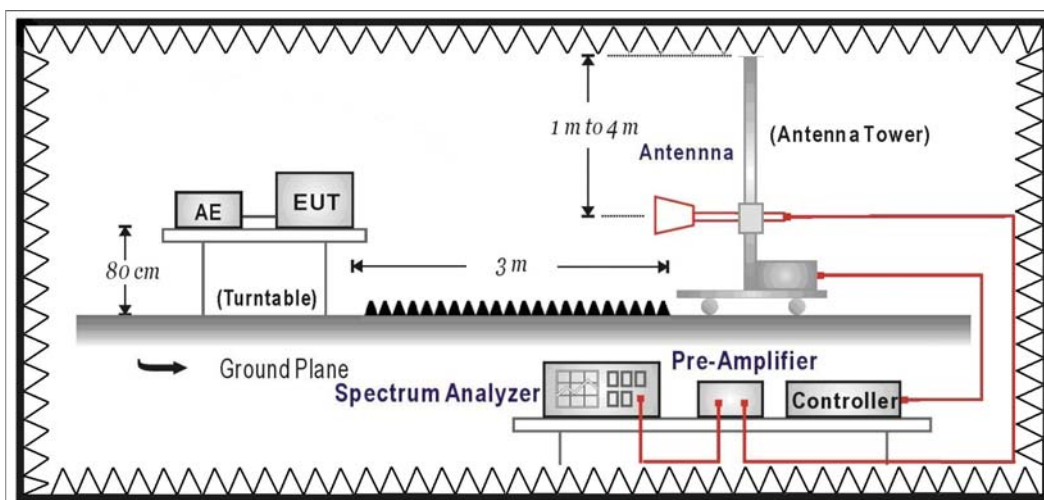
Note: All equipments that need to calibrate are with calibration period of 1 year.

3.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



3.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

| FCC Part 15 Subpart C Paragraph 15.209 Limits | | |
|--|------|--------|
| Frequency MHz | uV/m | dBuV/m |
| 30-88 | 100 | 40 |
| 88-216 | 150 | 43.5 |
| 216-960 | 200 | 46 |
| Above 960 | 500 | 54 |

- Remarks :
1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
 2. In the Above Table, the tighter limit applies at the band edges.
 3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

3.4. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement.

On any frequency or frequencies below or equal to 1000 MHz, the limits shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limits shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

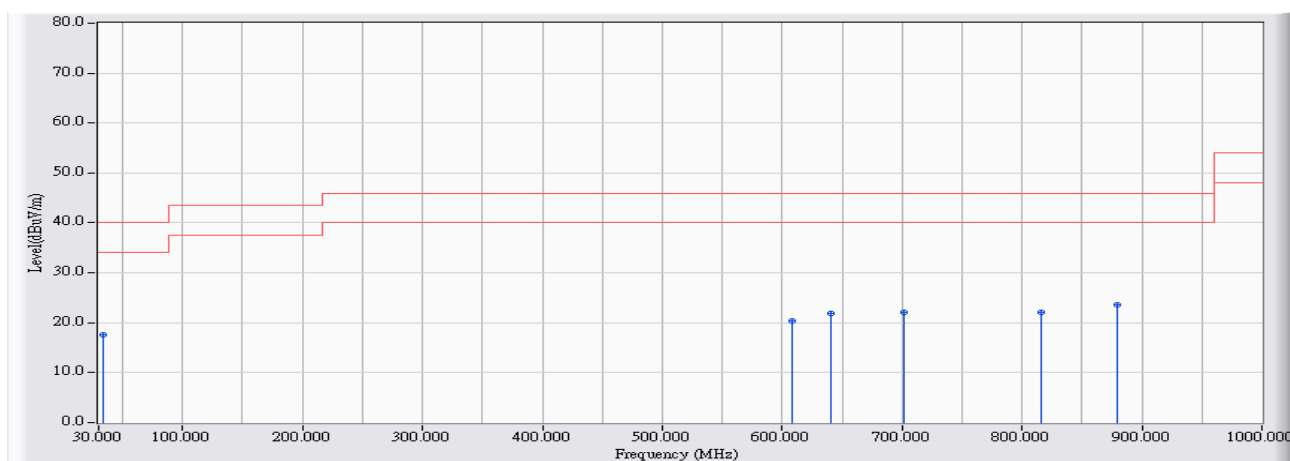
3.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

3.6. Test Result

30MHz-1GHz Spurious

| | |
|---|---------------------------------|
| Site : CB1 | Time : 2014/09/22 - 15:04 |
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB1_FCC_EFS_30-1G-2_1011 - HORIZONTAL | Power : DC 3V |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2440MHz |

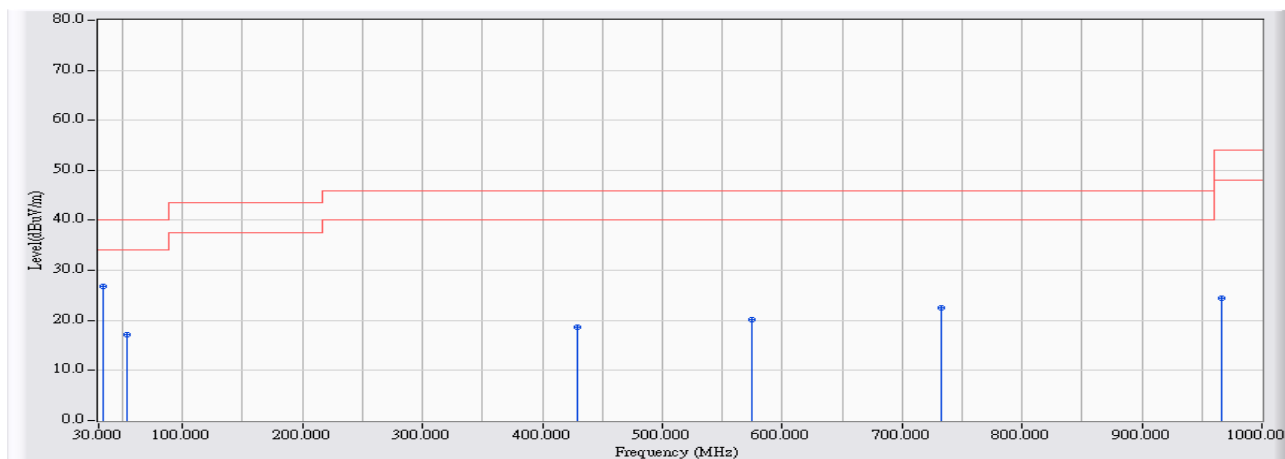


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 33.880 | -19.810 | 37.494 | 17.683 | -22.317 | 40.000 | QUASIPeAK |
| 2 | | 608.120 | -14.392 | 34.686 | 20.294 | -25.706 | 46.000 | QUASIPeAK |
| 3 | | 641.100 | -14.081 | 36.003 | 21.922 | -24.078 | 46.000 | QUASIPeAK |
| 4 | | 701.240 | -12.265 | 34.295 | 22.030 | -23.970 | 46.000 | QUASIPeAK |
| 5 | | 815.700 | -11.524 | 33.703 | 22.178 | -23.822 | 46.000 | QUASIPeAK |
| 6 | | 879.720 | -11.102 | 34.669 | 23.567 | -22.433 | 46.000 | QUASIPeAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

| | |
|--|--|
| Site : CB1 | Time : 2014/09/22 - 14:33 |
| Limit : FCC_CLASS_B_03M_QP | Margin : 6 |
| Probe : CB1_FCC_EFS_30-1G-2_1011 - VERTICAL | Power : DC 3V |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2440MHz |



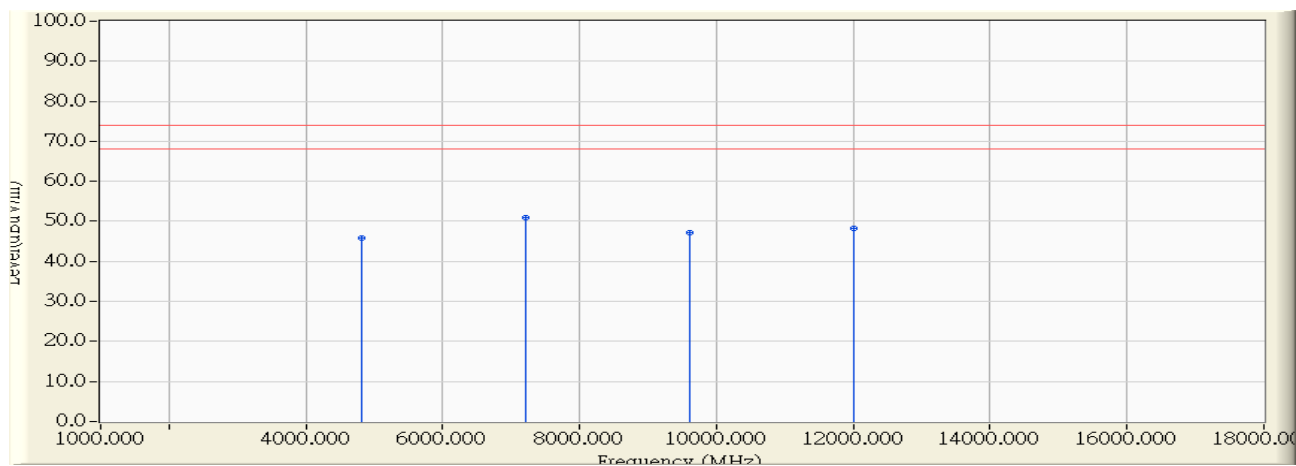
| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | * | 33.880 | -19.810 | 46.520 | 26.709 | -13.291 | 40.000 | QUASIPeAK |
| 2 | | 53.280 | -26.716 | 43.942 | 17.225 | -22.775 | 40.000 | QUASIPeAK |
| 3 | | 429.640 | -16.659 | 35.423 | 18.764 | -27.236 | 46.000 | QUASIPeAK |
| 4 | | 575.140 | -14.558 | 34.730 | 20.172 | -25.828 | 46.000 | QUASIPeAK |
| 5 | | 732.280 | -12.462 | 34.921 | 22.460 | -23.540 | 46.000 | QUASIPeAK |
| 6 | | 967.020 | -10.024 | 34.579 | 24.556 | -29.444 | 54.000 | QUASIPeAK |

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Harmonic & Spurious:

| | |
|---|---------------------------------|
| Site : CB1 | Time : 2014/08/22 - 11:30 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2402MHz |

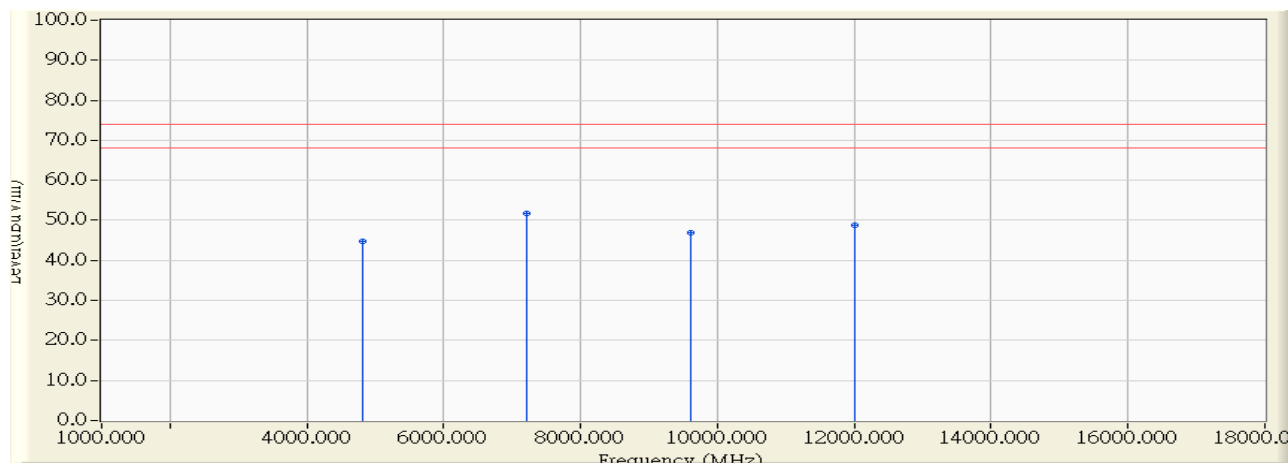


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | | 4804.000 | -0.582 | 46.470 | 45.888 | -28.112 | 74.000 | PEAK |
| 2 | * | 7206.000 | 5.454 | 45.590 | 51.044 | -22.956 | 74.000 | PEAK |
| 3 | | 9608.000 | 9.187 | 37.980 | 47.167 | -26.833 | 74.000 | PEAK |
| 4 | | 12010.000 | 11.122 | 37.190 | 48.313 | -25.687 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 11:21 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2402MHz |

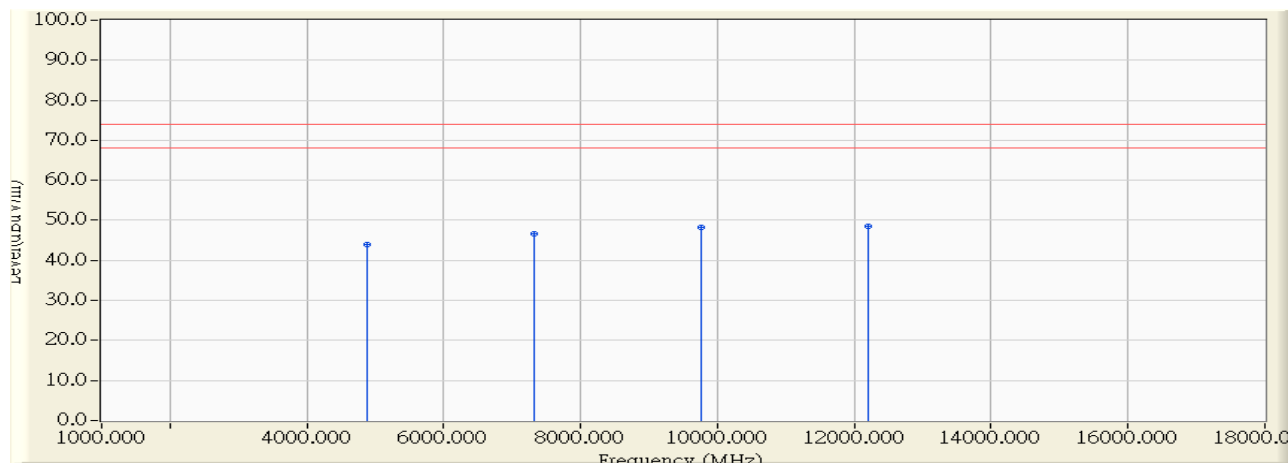


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 4804.000 | -0.582 | 45.370 | 44.788 | -29.212 | 74.000 | PEAK |
| 2 | * | 7206.000 | 5.454 | 46.370 | 51.824 | -22.176 | 74.000 | PEAK |
| 3 | | 9608.000 | 9.187 | 37.790 | 46.977 | -27.023 | 74.000 | PEAK |
| 4 | | 12010.000 | 11.122 | 37.650 | 48.773 | -25.227 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 11:36 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2440MHz |

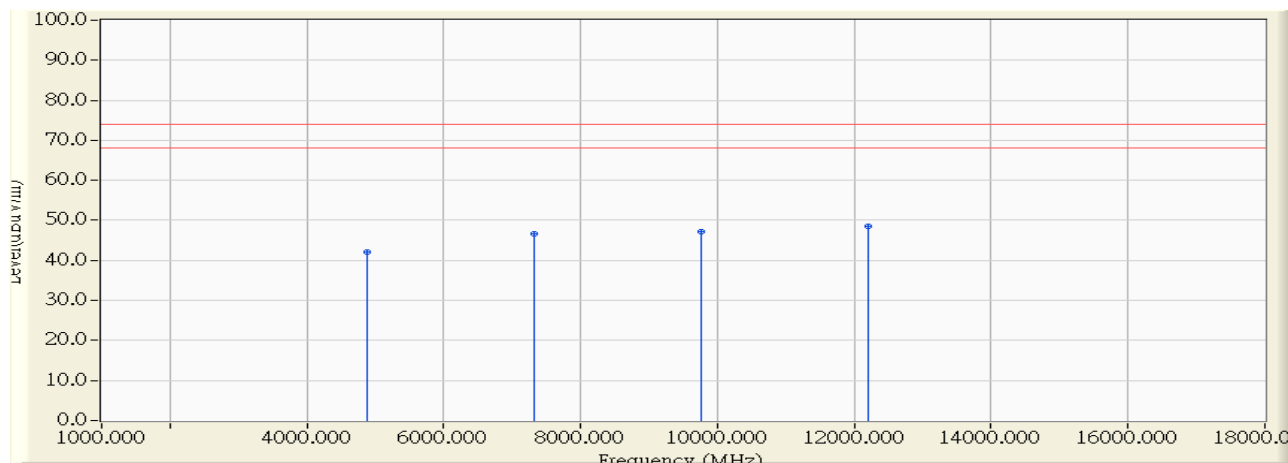


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 4880.000 | -0.397 | 44.360 | 43.963 | -30.037 | 74.000 | PEAK |
| 2 | | 7320.000 | 5.700 | 40.880 | 46.581 | -27.419 | 74.000 | PEAK |
| 3 | | 9760.000 | 10.171 | 38.210 | 48.381 | -25.619 | 74.000 | PEAK |
| 4 | * | 12200.000 | 11.035 | 37.530 | 48.566 | -25.434 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 11:40 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2440MHz |

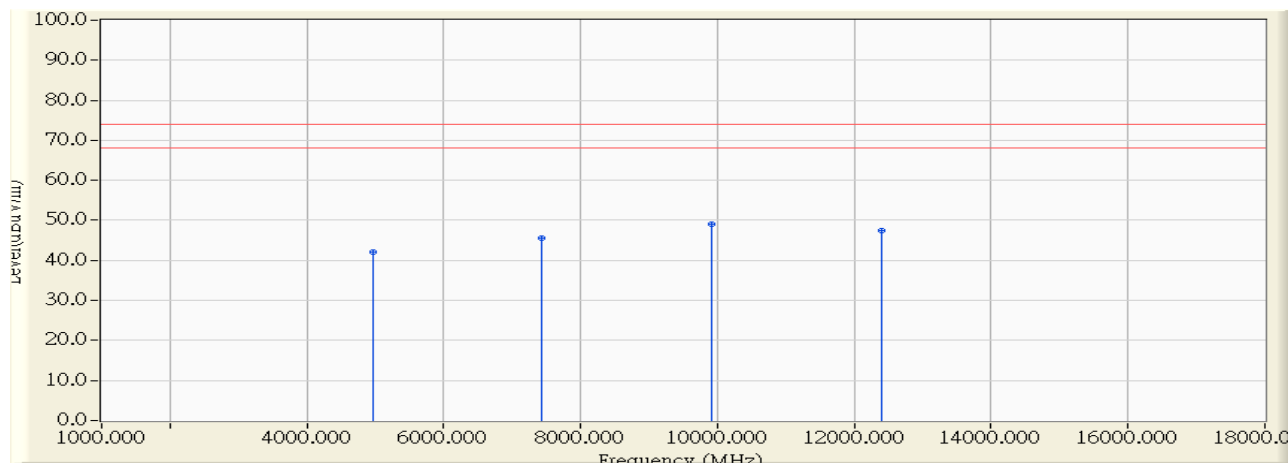


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 4880.000 | -0.397 | 42.590 | 42.193 | -31.807 | 74.000 | PEAK |
| 2 | | 7320.000 | 5.700 | 40.960 | 46.661 | -27.339 | 74.000 | PEAK |
| 3 | | 9760.000 | 10.171 | 37.060 | 47.231 | -26.769 | 74.000 | PEAK |
| 4 | * | 12200.000 | 11.035 | 37.410 | 48.446 | -25.554 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 11:50 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2480MHz |

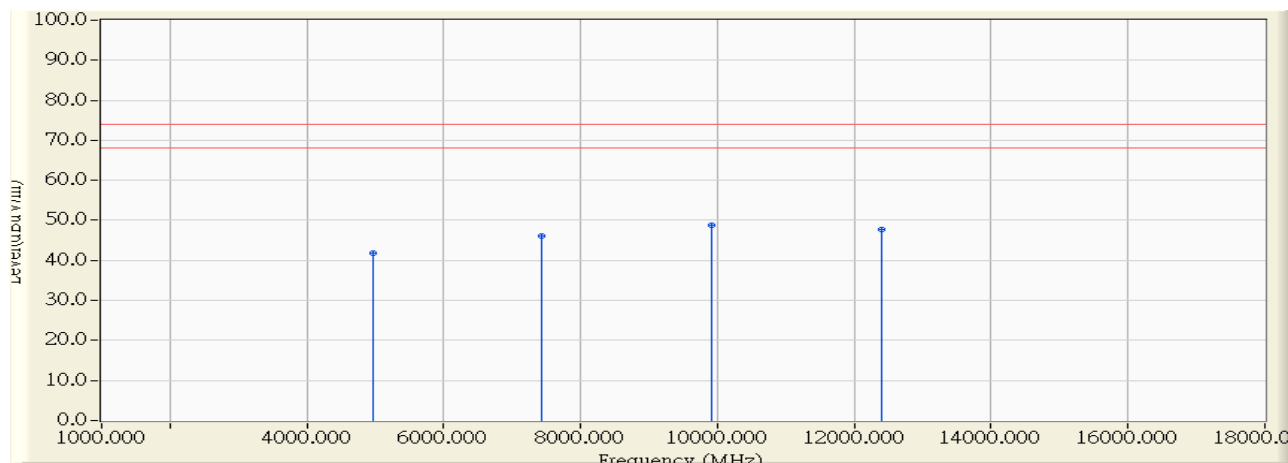


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 4960.000 | -0.202 | 42.340 | 42.138 | -31.862 | 74.000 | PEAK |
| 2 | | 7440.000 | 5.960 | 39.750 | 45.710 | -28.290 | 74.000 | PEAK |
| 3 | * | 9920.000 | 11.207 | 37.840 | 49.047 | -24.953 | 74.000 | PEAK |
| 4 | | 12400.000 | 10.944 | 36.380 | 47.325 | -26.675 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

| | |
|---|---------------------------------|
| Site : CB1 | Time : 2014/08/22 - 11:45 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2480MHz |



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | | 4960.000 | -0.202 | 41.950 | 41.748 | -32.252 | 74.000 | PEAK |
| 2 | | 7440.000 | 5.960 | 40.130 | 46.090 | -27.910 | 74.000 | PEAK |
| 3 | * | 9920.000 | 11.207 | 37.650 | 48.857 | -25.143 | 74.000 | PEAK |
| 4 | | 12400.000 | 10.944 | 36.650 | 47.595 | -26.405 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The Emission above 13GHz were not included is because their levels are too low.

4. RF antenna conducted test

4.1. Test Equipment

The following test equipment is used during the test:

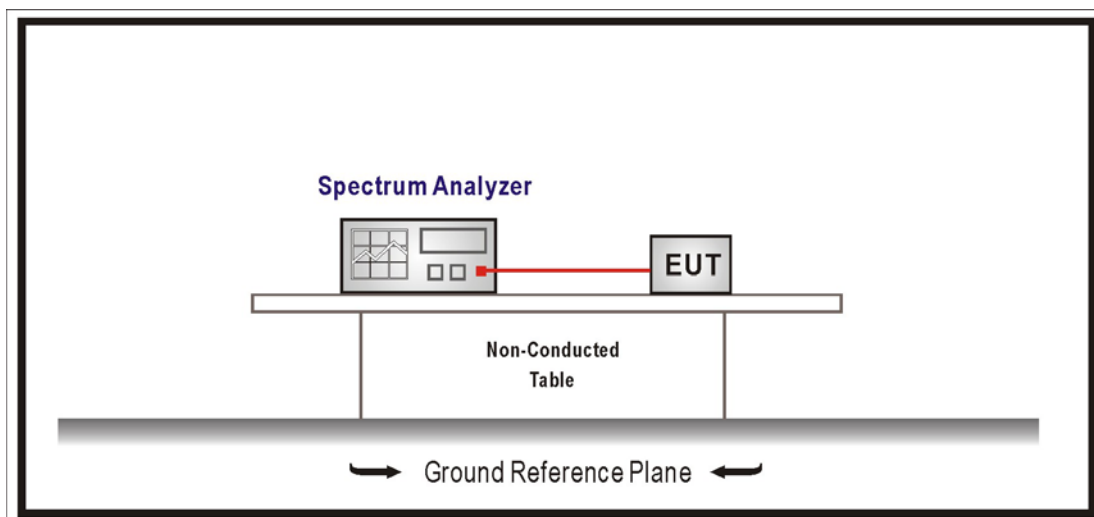
RF antenna conducted test / SR7

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|-------------------|--------------|------------|------------|----------------|
| Spectrum Analyzer | Agilent | N9010A-EXA | US47140172 | 2015/07/14 |

Note: All equipments that need to calibrate are with calibration period of 1 year.

4.2. Test Setup

RF Conducted Measurement:



4.3. Limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on an RF conducted or radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

4.4. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 100 kHz, Set VBW > RBW, scan up through 10th harmonic.

4.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

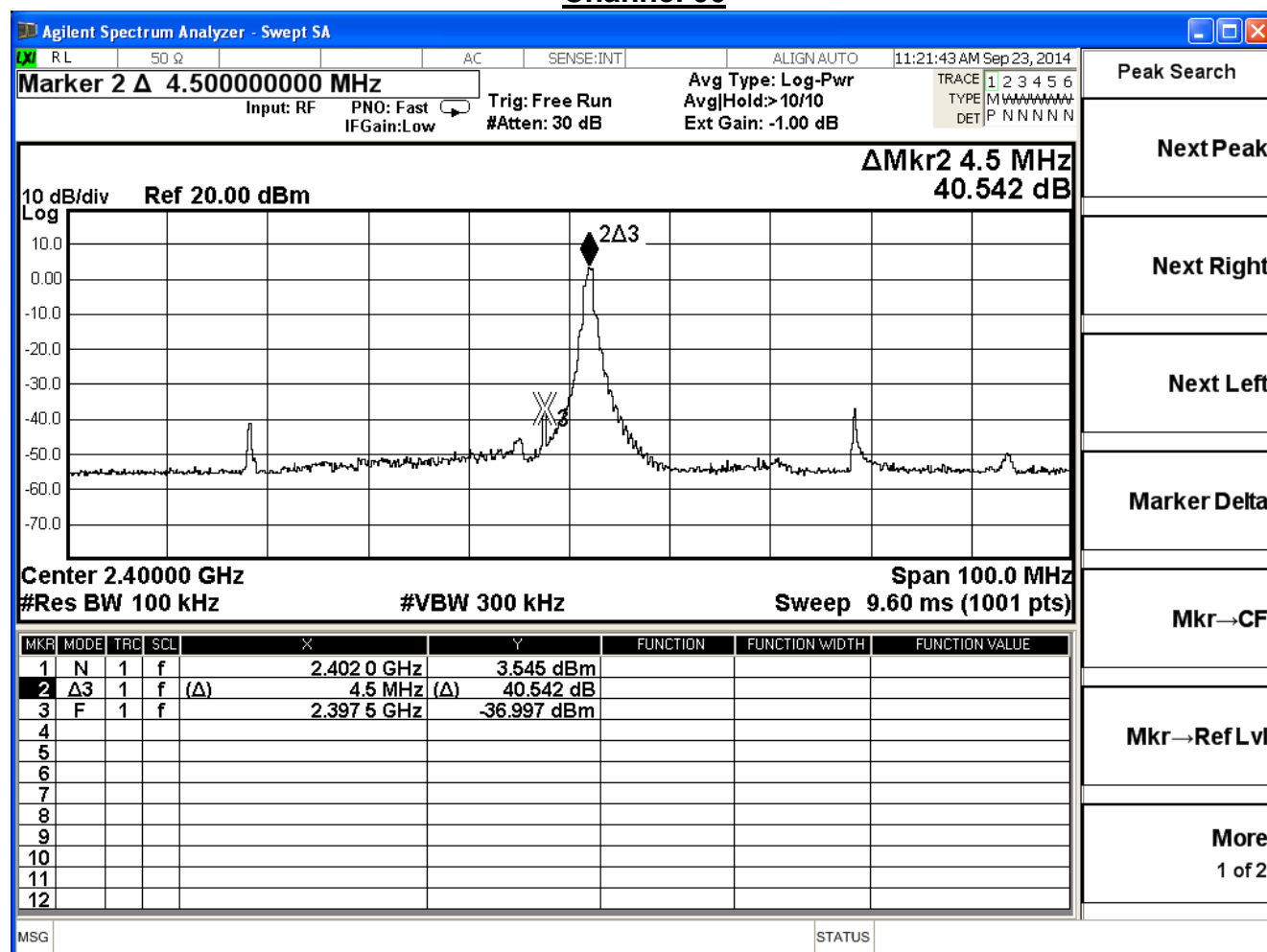
4.6. Test Result

| | | | |
|--------------|--------------------------------------|-----------|-----|
| Product | SMART CLOTHING OF HEART RATE MONITOR | | |
| Test Item | RF antenna conducted test | | |
| Test Mode | Mode 1: Transmit | | |
| Date of Test | 2014/09/23 | Test Site | SR7 |

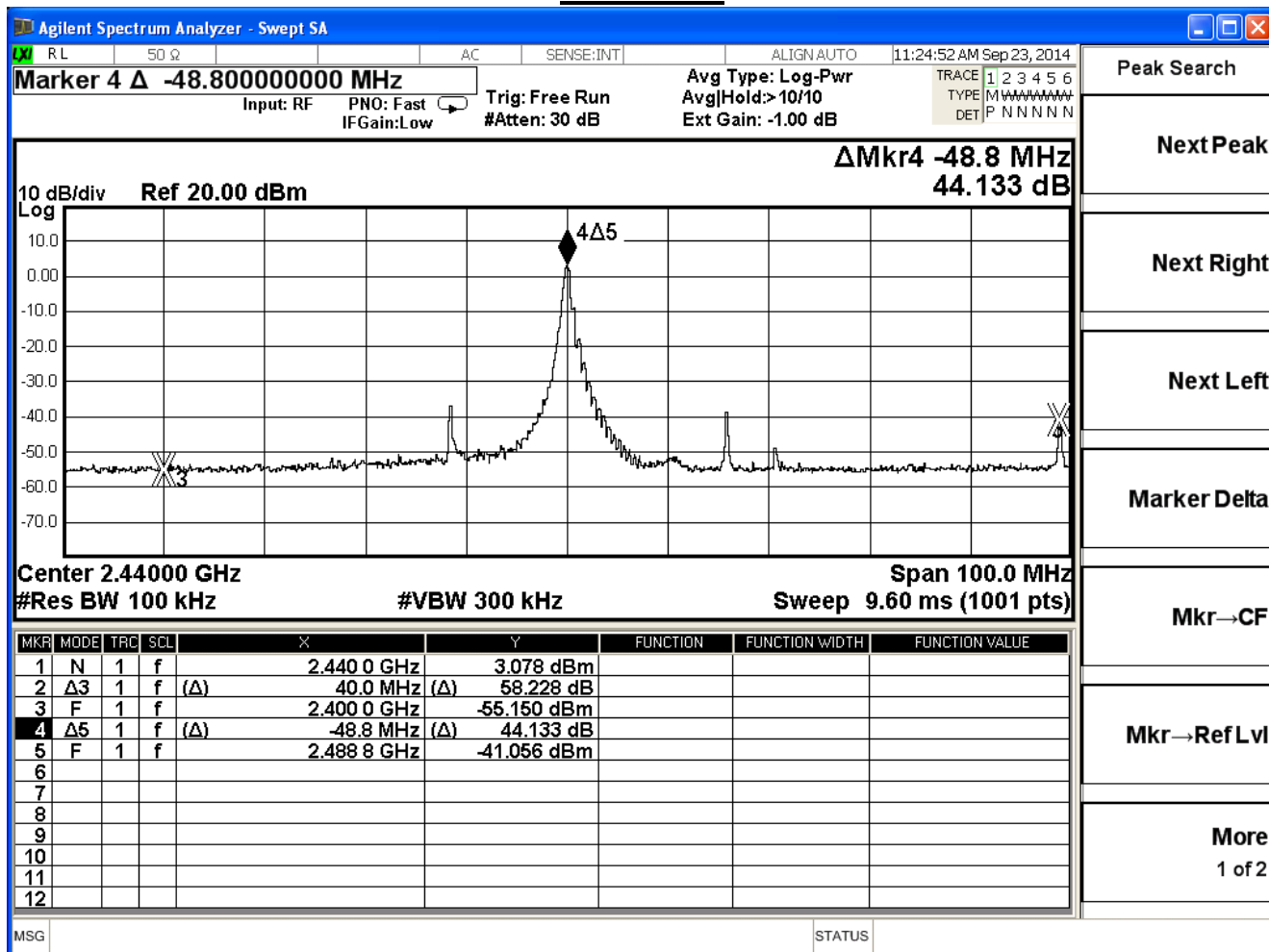
GFSK

| Channel No. | Frequency (MHz) | Measurement Level (dB) | Required Limit (dBc) | Result |
|-------------|-----------------|------------------------|----------------------|--------|
| 00 | 2402 | 40.542 | ≥ 20 | Pass |
| 19 | 2440 | 44.133 | ≥ 20 | Pass |
| 39 | 2480 | 39.901 | ≥ 20 | Pass |

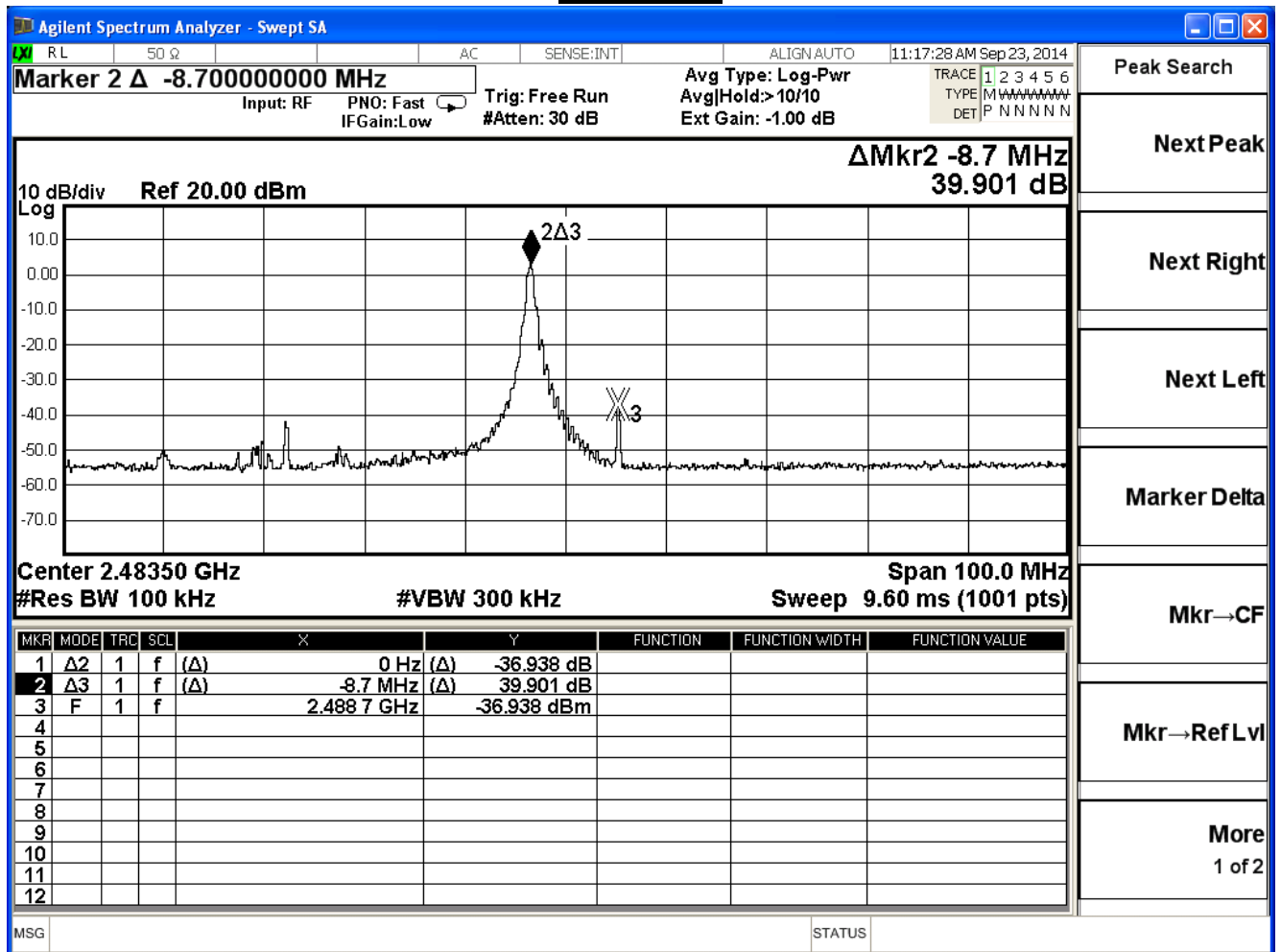
Channel 00



Channel 19

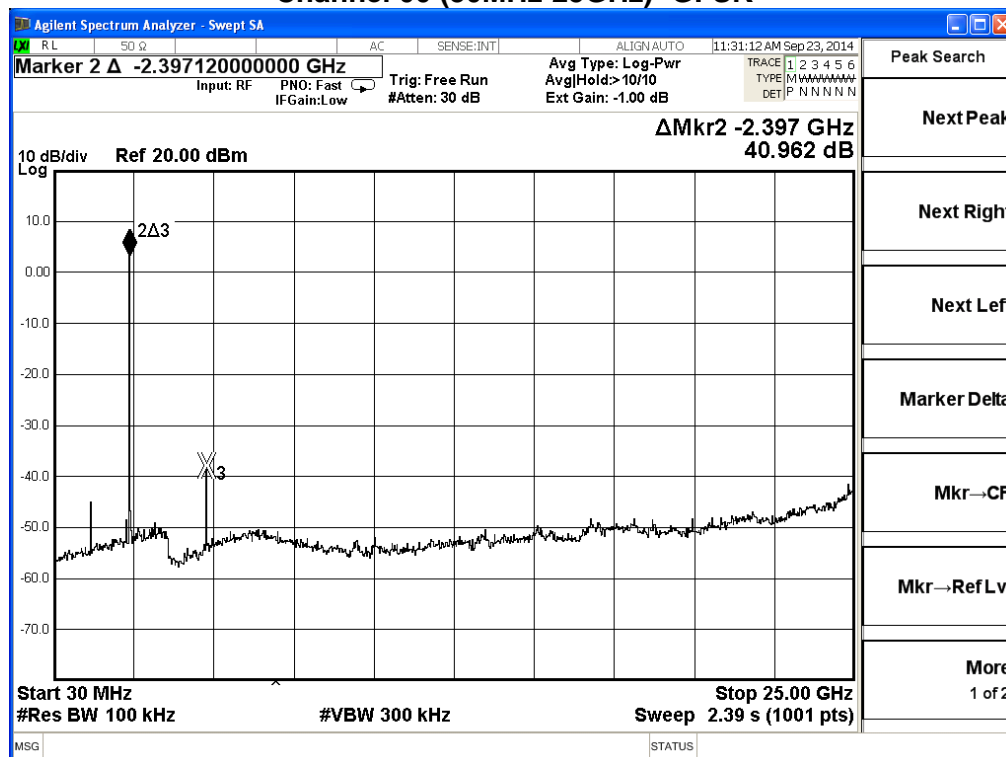


Channel 39



| | | | |
|--------------|--------------------------------------|-----------|-----|
| Product | SMART CLOTHING OF HEART RATE MONITOR | | |
| Test Item | RF antenna conducted test | | |
| Test Mode | Mode 1: Transmit | | |
| Date of Test | 2014/09/23 | Test Site | SR7 |

Channel 00 (30MHz-25GHz)- GFSK

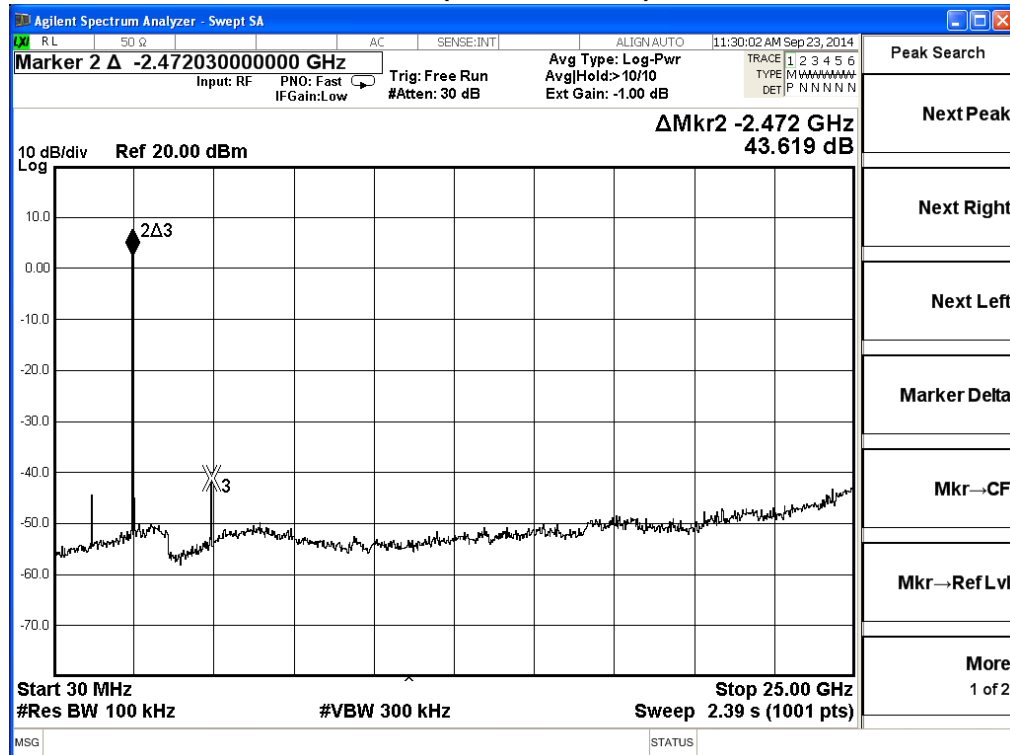


Channel 19 (30MHz-25GHz)- GFSK



| | | | |
|--------------|--------------------------------------|-----------|-----|
| Product | SMART CLOTHING OF HEART RATE MONITOR | | |
| Test Item | RF antenna conducted test | | |
| Test Mode | Mode 1: Transmit | | |
| Date of Test | 2014/09/23 | Test Site | SR7 |

Channel 39 (30MHz-25GHz)- GFSK



5. Band Edge

5.1. Test Equipment

The following test equipments are used during the test:

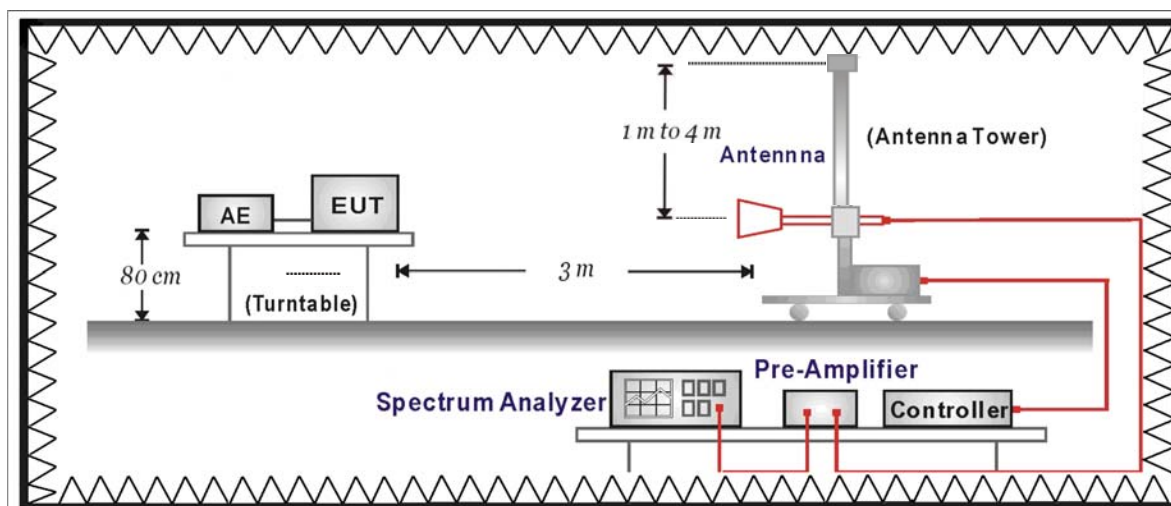
Band Edge / CB1

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|-------------------------------------|--------------|--------------|------------|----------------|
| Double Ridged Guide Horn Antenna | Schwarzback | BBHA 9120 | D743 | 2015/02/12 |
| Spectrum Analyzer | Agilent | E4440A | MY46187335 | 2015/01/12 |
| k Type Cable | Huber Suhner | Sucoflex 102 | 25623/2 | 2015/02/10 |

Note: All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup

RF Radiated Measurement:



5.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

5.4. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

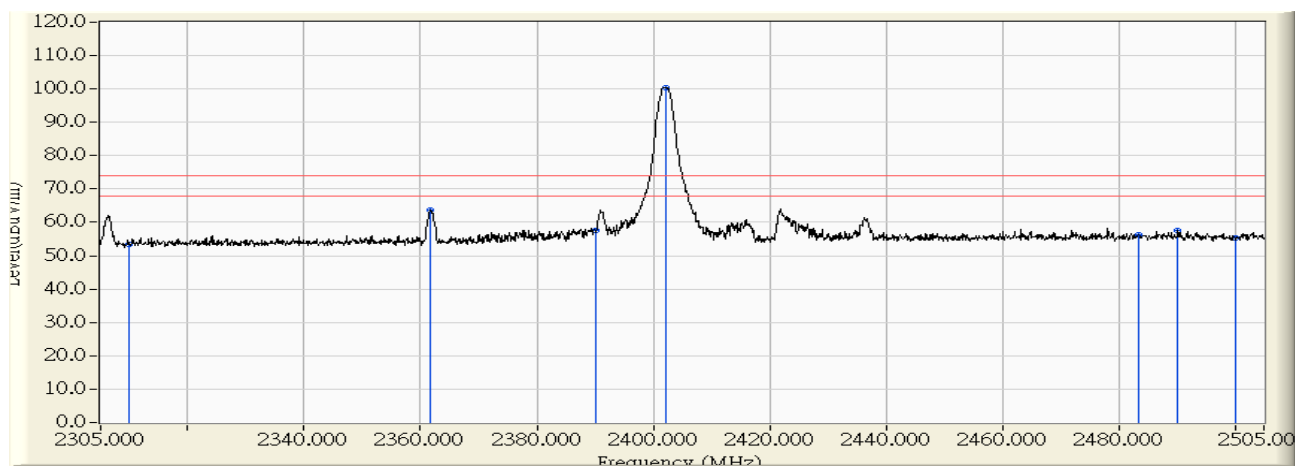
Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement.

5.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

5.6. Test Result

| | |
|---|---------------------------------|
| Site : CB1 | Time : 2014/08/22 - 10:38 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2402MHz |

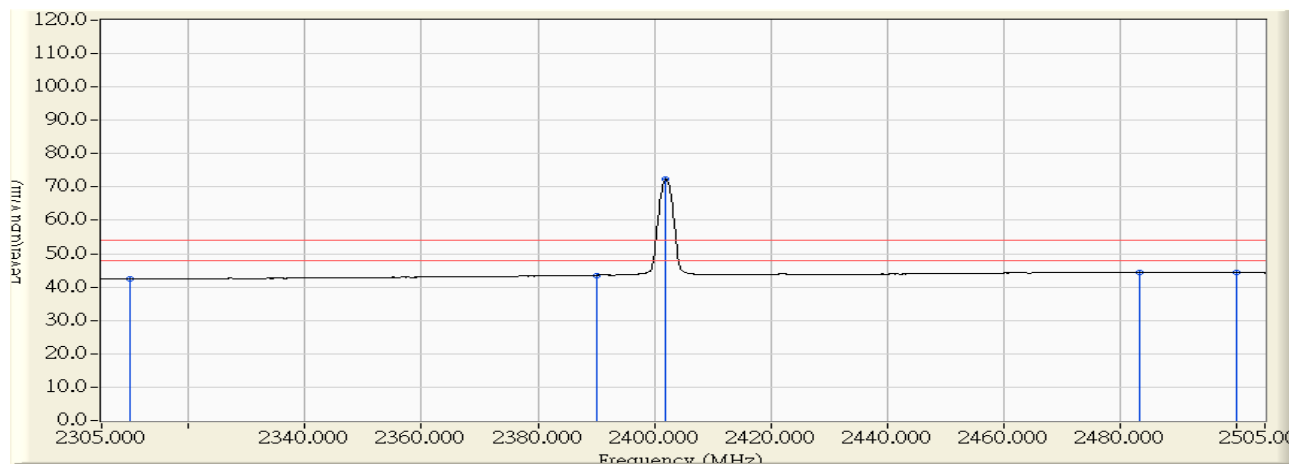


| | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|--------------------|------------------------|-------------------------|---------------------------|----------------|-------------------|---------------|
| 1 | 2310.000 | 30.411 | 22.839 | 53.250 | -20.750 | 74.000 | PEAK |
| 2 | 2361.700 | 30.947 | 32.820 | 63.767 | -10.233 | 74.000 | PEAK |
| 3 | 2390.000 | 31.241 | 26.503 | 57.744 | -16.256 | 74.000 | PEAK |
| 4 | * 2402.200 | 31.367 | 69.114 | 100.481 | 26.481 | 74.000 | PEAK |
| 5 | 2483.500 | 31.980 | 24.238 | 56.217 | -17.783 | 74.000 | PEAK |
| 6 | 2490.200 | 31.962 | 25.741 | 57.702 | -16.298 | 74.000 | PEAK |
| 7 | 2500.000 | 31.934 | 23.422 | 55.357 | -18.643 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 10:40 |
| Limit : FCC_SpartC_15.247_H_03M_AV | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2402MHz |

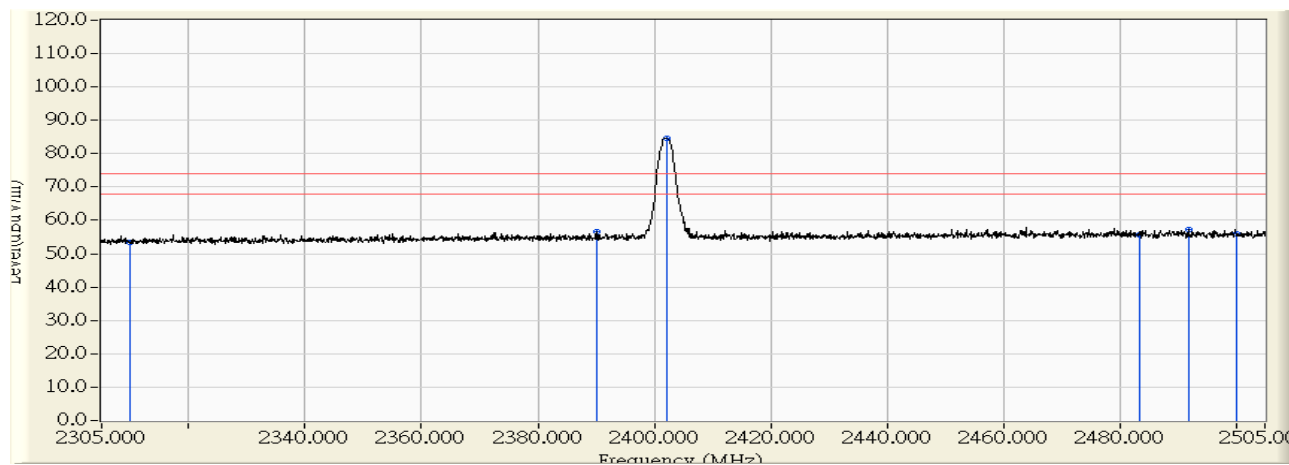


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 11.956 | 42.367 | -11.633 | 54.000 | AVERAGE |
| 2 | | 2390.000 | 31.241 | 12.292 | 43.533 | -10.467 | 54.000 | AVERAGE |
| 3 | * | 2402.000 | 31.365 | 40.874 | 72.239 | 18.239 | 54.000 | AVERAGE |
| 4 | | 2483.500 | 31.980 | 12.345 | 44.324 | -9.676 | 54.000 | AVERAGE |
| 5 | | 2500.000 | 31.934 | 12.328 | 44.263 | -9.737 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 11:02 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2402MHz |

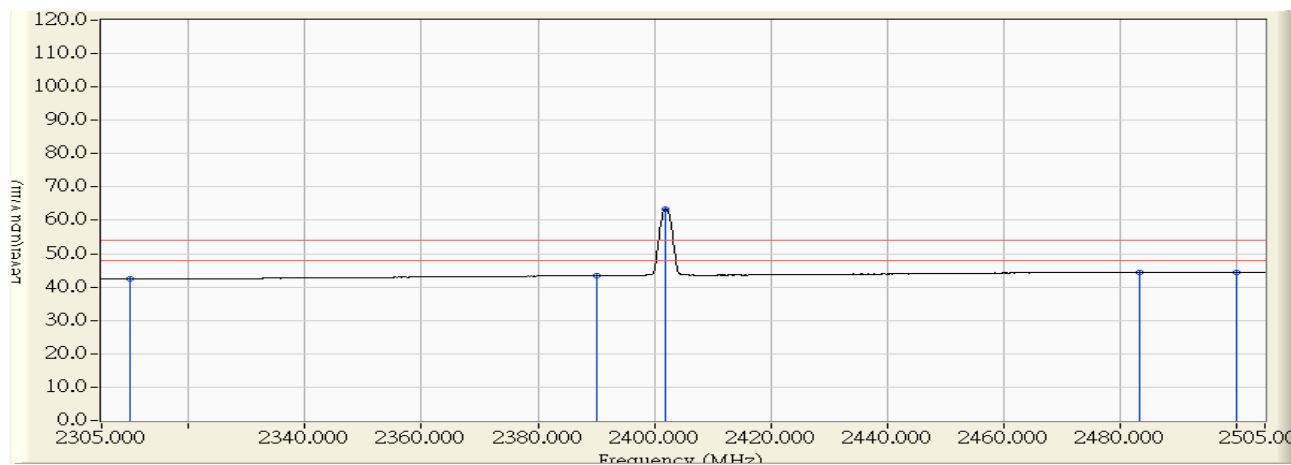


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 22.911 | 53.322 | -20.678 | 74.000 | PEAK |
| 2 | | 2390.000 | 31.241 | 25.304 | 56.545 | -17.455 | 74.000 | PEAK |
| 3 | * | 2402.100 | 31.366 | 53.403 | 84.769 | 10.769 | 74.000 | PEAK |
| 4 | | 2483.500 | 31.980 | 23.537 | 55.516 | -18.484 | 74.000 | PEAK |
| 5 | | 2491.800 | 31.957 | 25.321 | 57.278 | -16.722 | 74.000 | PEAK |
| 6 | | 2500.000 | 31.934 | 23.887 | 55.822 | -18.178 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 11:01 |
| Limit : FCC_SpartC_15.247_H_03M_AV | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2402MHz |

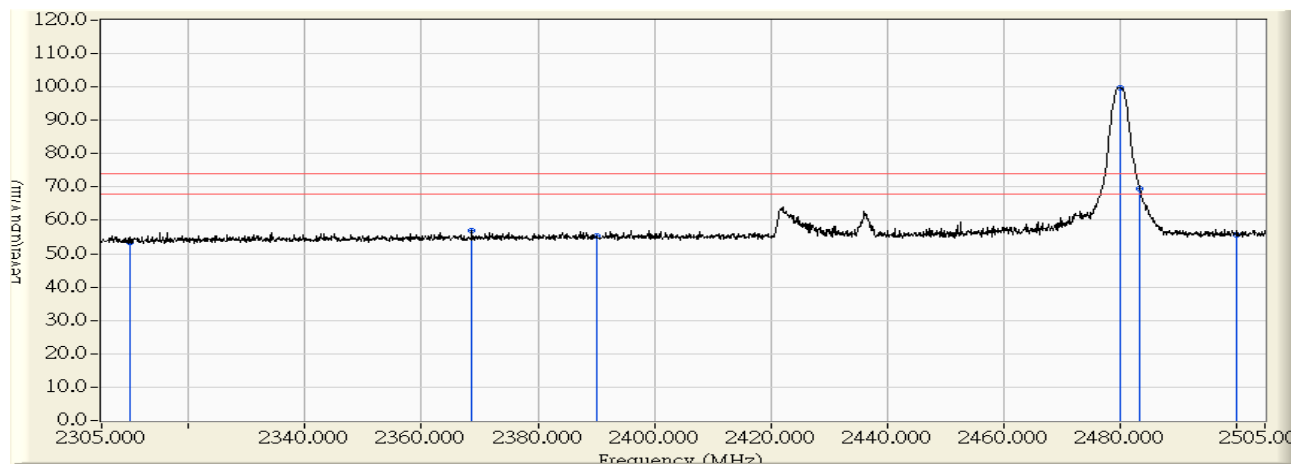


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 11.972 | 42.383 | -11.617 | 54.000 | AVERAGE |
| 2 | | 2390.000 | 31.241 | 12.208 | 43.449 | -10.551 | 54.000 | AVERAGE |
| 3 | * | 2402.000 | 31.365 | 32.166 | 63.531 | 9.531 | 54.000 | AVERAGE |
| 4 | | 2483.500 | 31.980 | 12.358 | 44.337 | -9.663 | 54.000 | AVERAGE |
| 5 | | 2500.000 | 31.934 | 12.337 | 44.272 | -9.728 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 10:45 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2480MHz |

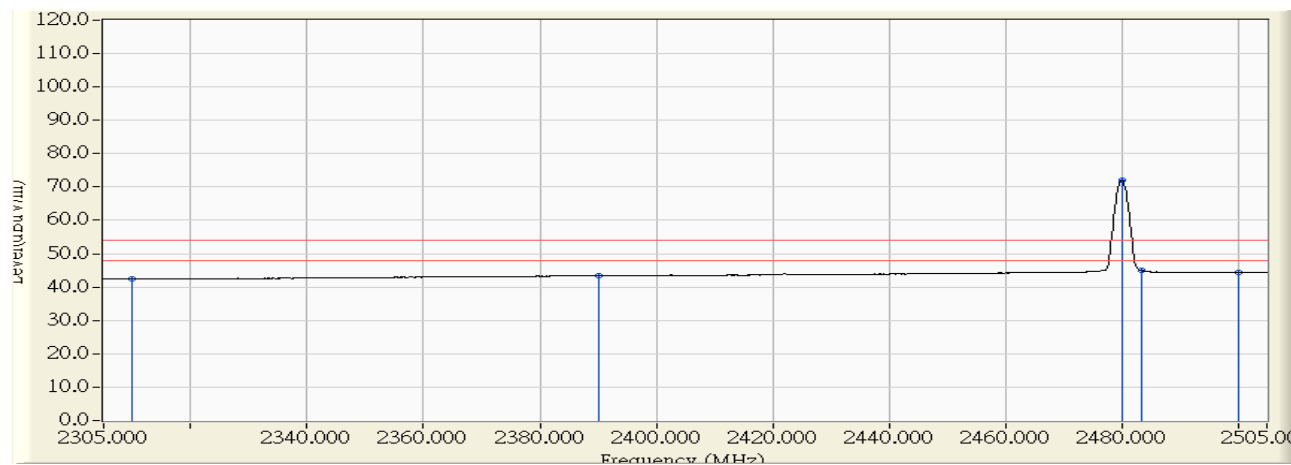


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 22.942 | 53.353 | -20.647 | 74.000 | PEAK |
| 2 | | 2368.600 | 31.019 | 25.781 | 56.800 | -17.200 | 74.000 | PEAK |
| 3 | | 2390.000 | 31.241 | 23.988 | 55.229 | -18.771 | 74.000 | PEAK |
| 4 | * | 2480.200 | 31.989 | 67.851 | 99.839 | 25.839 | 74.000 | PEAK |
| 5 | | 2483.500 | 31.980 | 37.592 | 69.571 | -4.429 | 74.000 | PEAK |
| 6 | | 2500.000 | 31.934 | 23.881 | 55.816 | -18.184 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 10:43 |
| Limit : FCC_SpartC_15.247_H_03M_AV | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - HORIZONTAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2480MHz |

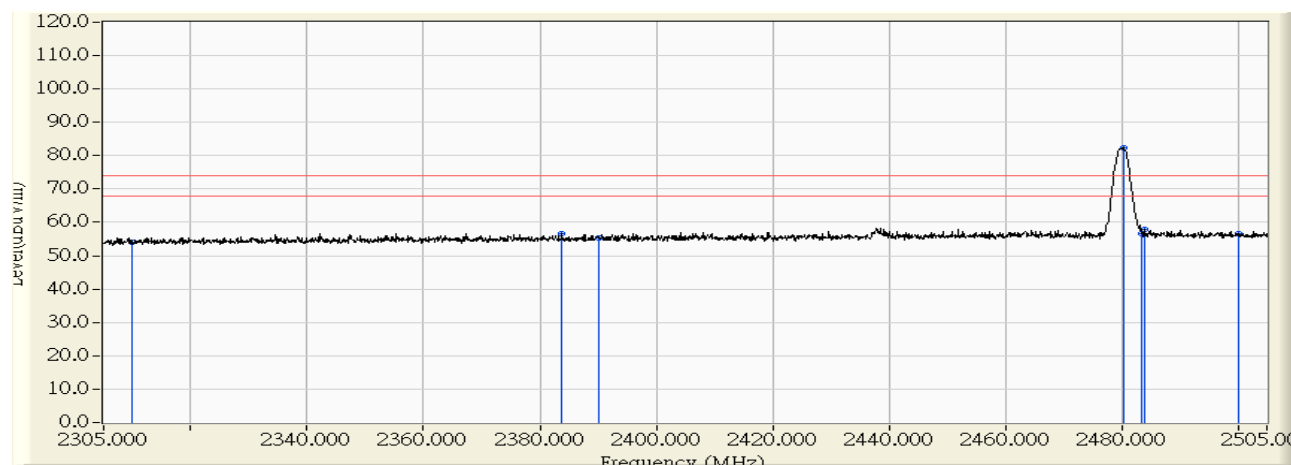


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 11.936 | 42.347 | -11.653 | 54.000 | AVERAGE |
| 2 | | 2390.000 | 31.241 | 12.172 | 43.413 | -10.587 | 54.000 | AVERAGE |
| 3 | * | 2480.000 | 31.989 | 40.098 | 72.087 | 18.087 | 54.000 | AVERAGE |
| 4 | | 2483.500 | 31.980 | 12.976 | 44.955 | -9.045 | 54.000 | AVERAGE |
| 5 | | 2500.000 | 31.934 | 12.374 | 44.309 | -9.691 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 10:54 |
| Limit : FCC_SpartC_15.247_H_03M_PK | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2480MHz |

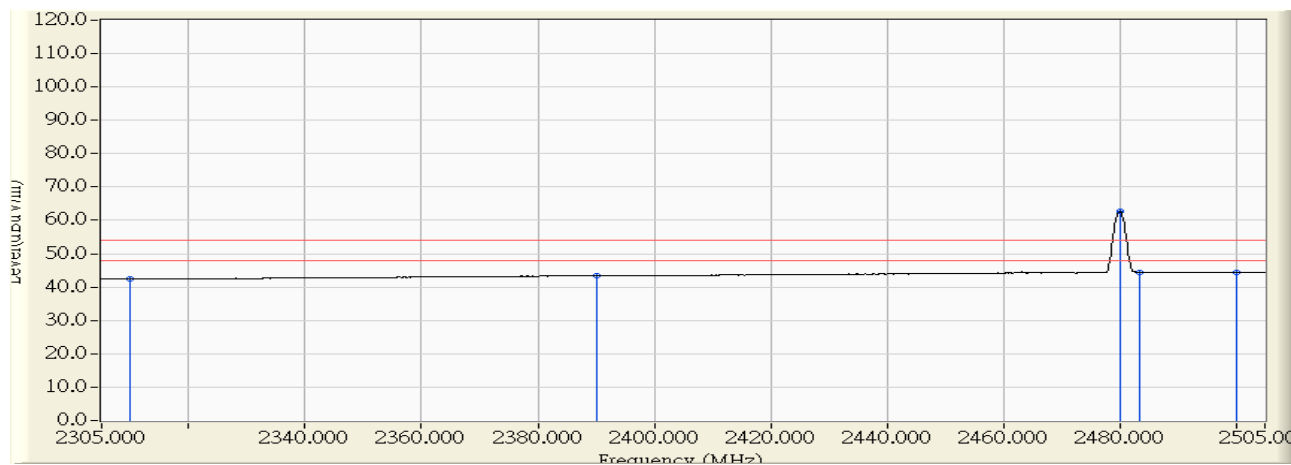


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 23.798 | 54.209 | -19.791 | 74.000 | PEAK |
| 2 | | 2383.700 | 31.176 | 25.429 | 56.605 | -17.395 | 74.000 | PEAK |
| 3 | | 2390.000 | 31.241 | 23.957 | 55.198 | -18.802 | 74.000 | PEAK |
| 4 | * | 2480.300 | 31.988 | 50.355 | 82.343 | 8.343 | 74.000 | PEAK |
| 5 | | 2483.500 | 31.980 | 24.563 | 56.542 | -17.458 | 74.000 | PEAK |
| 6 | | 2483.900 | 31.978 | 25.858 | 57.836 | -16.164 | 74.000 | PEAK |
| 7 | | 2500.000 | 31.934 | 24.654 | 56.589 | -17.411 | 74.000 | PEAK |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. " * ", means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

| | |
|--|--|
| Site : CB1 | Time : 2014/08/22 - 10:59 |
| Limit : FCC_SpartC_15.247_H_03M_AV | Margin : 6 |
| Probe : CB1_FCC_EFS_1-18G-1_0901 - VERTICAL | Power : |
| EUT : SMART CLOTHING OF HEART RATE MONITOR | Note : Mode 1: Transmit_2480MHz |



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|----------------------------|--------------------------------|---------------------------------|-----------------------------------|------------------------|---------------------------|----------------------|
| 1 | | 2310.000 | 30.411 | 11.959 | 42.370 | -11.630 | 54.000 | AVERAGE |
| 2 | | 2390.000 | 31.241 | 12.195 | 43.436 | -10.564 | 54.000 | AVERAGE |
| 3 | * | 2480.000 | 31.989 | 30.605 | 62.594 | 8.594 | 54.000 | AVERAGE |
| 4 | | 2483.500 | 31.980 | 12.465 | 44.444 | -9.556 | 54.000 | AVERAGE |
| 5 | | 2500.000 | 31.934 | 12.360 | 44.295 | -9.705 | 54.000 | AVERAGE |

Note:

1. All readings above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ * ”, means this data is the worst emission level.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection. If the readings given are average, peak measurement should also be supplied.

6. Occupied Bandwidth

6.1. Test Equipment

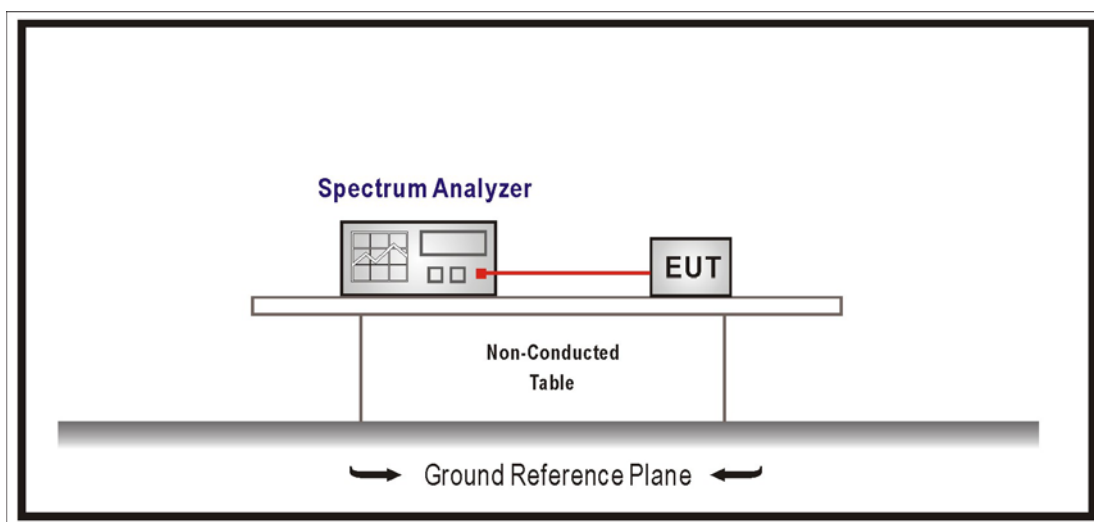
The following test equipment is used during the test:

Occupied Bandwidth / SR7

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|-------------------|--------------|------------|------------|----------------|
| Spectrum Analyzer | Agilent | N9010A-EXA | US47140172 | 2015/07/14 |

Note: All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup



6.3. Limits

The 6 dB bandwidth must be greater than 500 kHz.

6.4. Test Procedures

The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1% of EBW, Span greater than RBW.

6.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

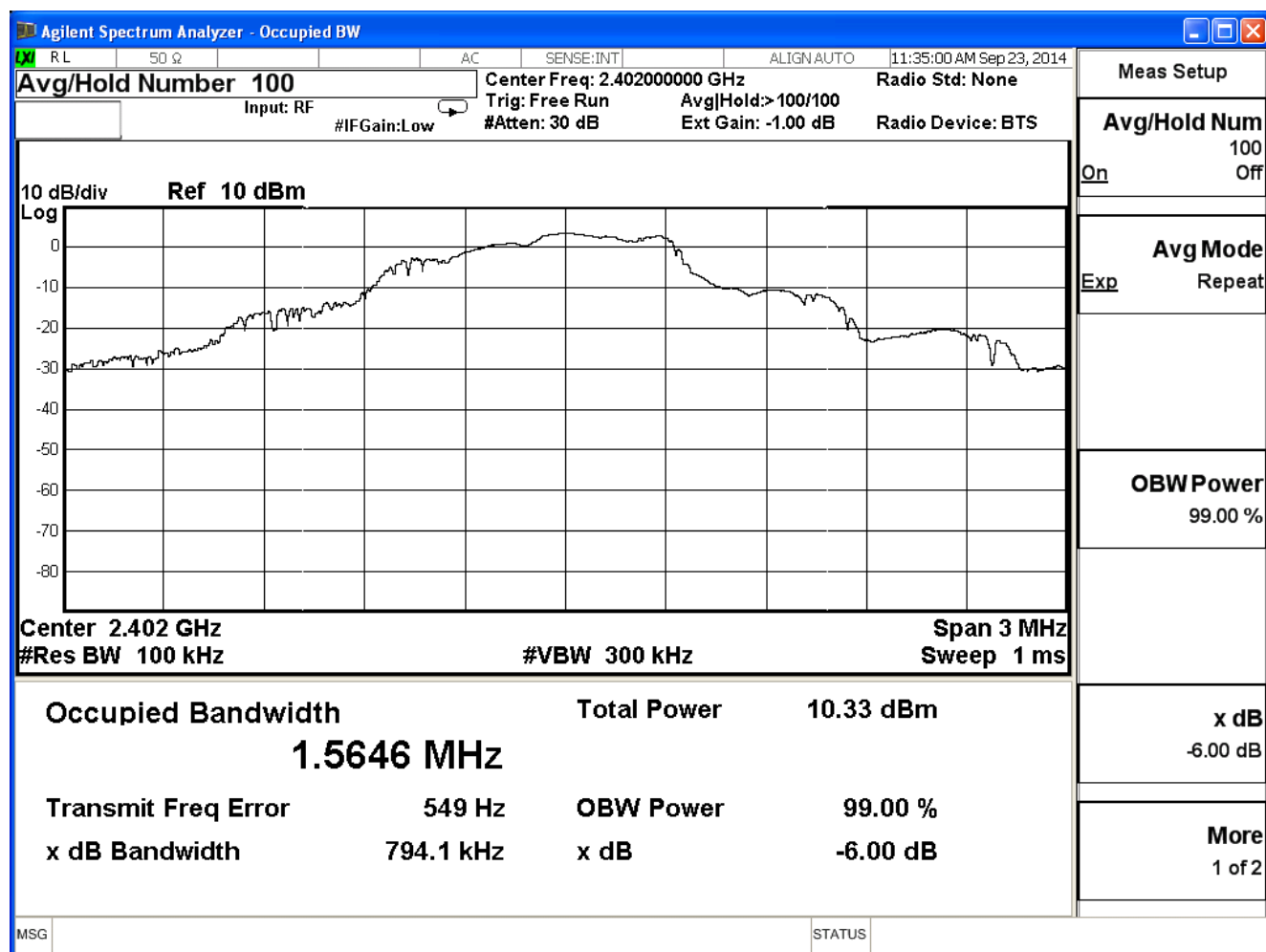
6.6. Test Result

| | | | |
|--------------|--------------------------------------|-----------|-----|
| Product | SMART CLOTHING OF HEART RATE MONITOR | | |
| Test Item | Occupied Bandwidth | | |
| Test Mode | Mode 1: Transmit | | |
| Date of Test | 2014/09/23 | Test Site | SR7 |

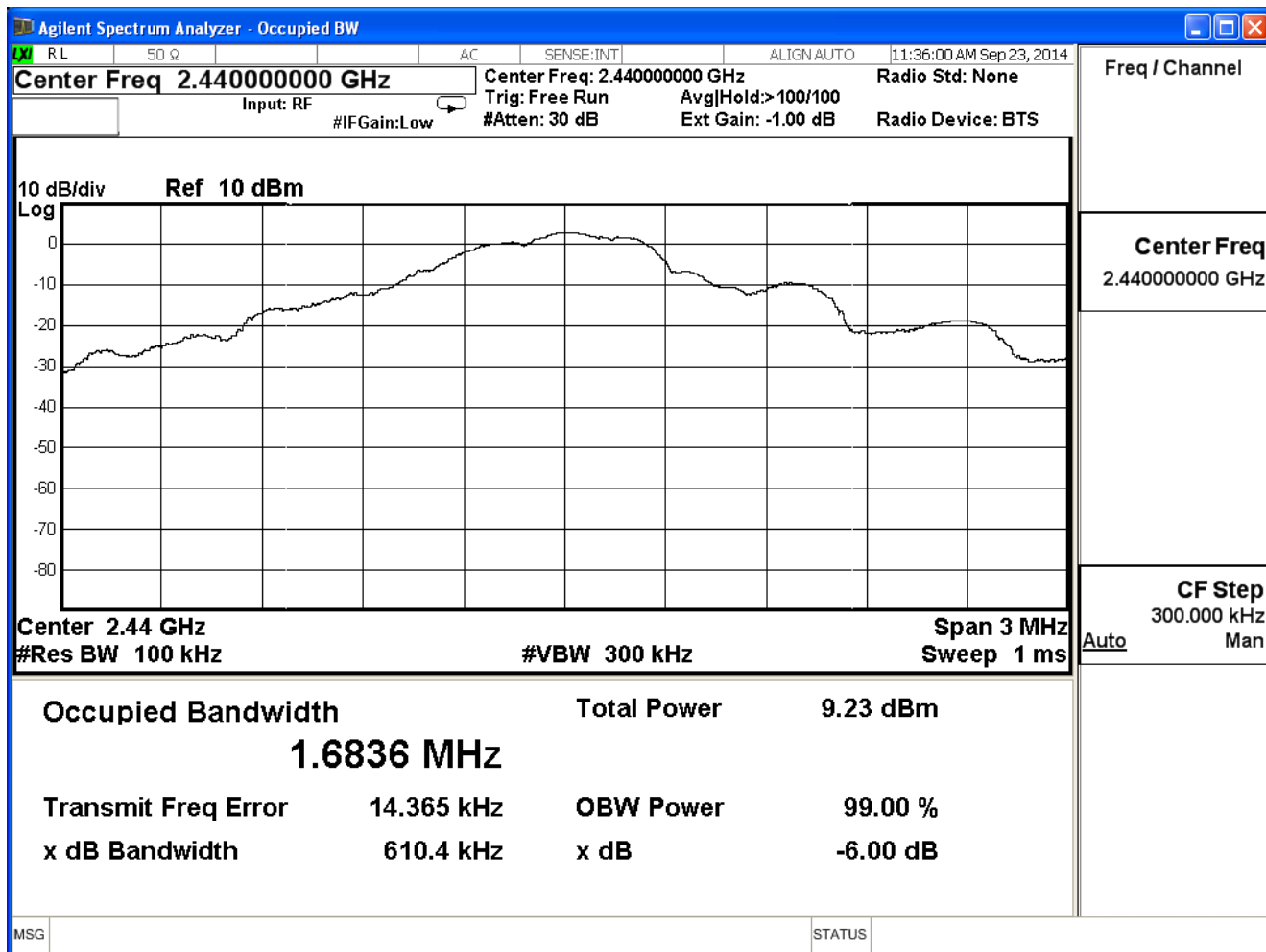
GFSK

| Channel No. | Frequency (MHz) | Measure Level (MHz) | Limit (MHz) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 00 | 2402 | 0.7941 | 0.5 | Pass |
| 19 | 2440 | 0.6104 | 0.5 | Pass |
| 39 | 2480 | 0.6124 | 0.5 | Pass |

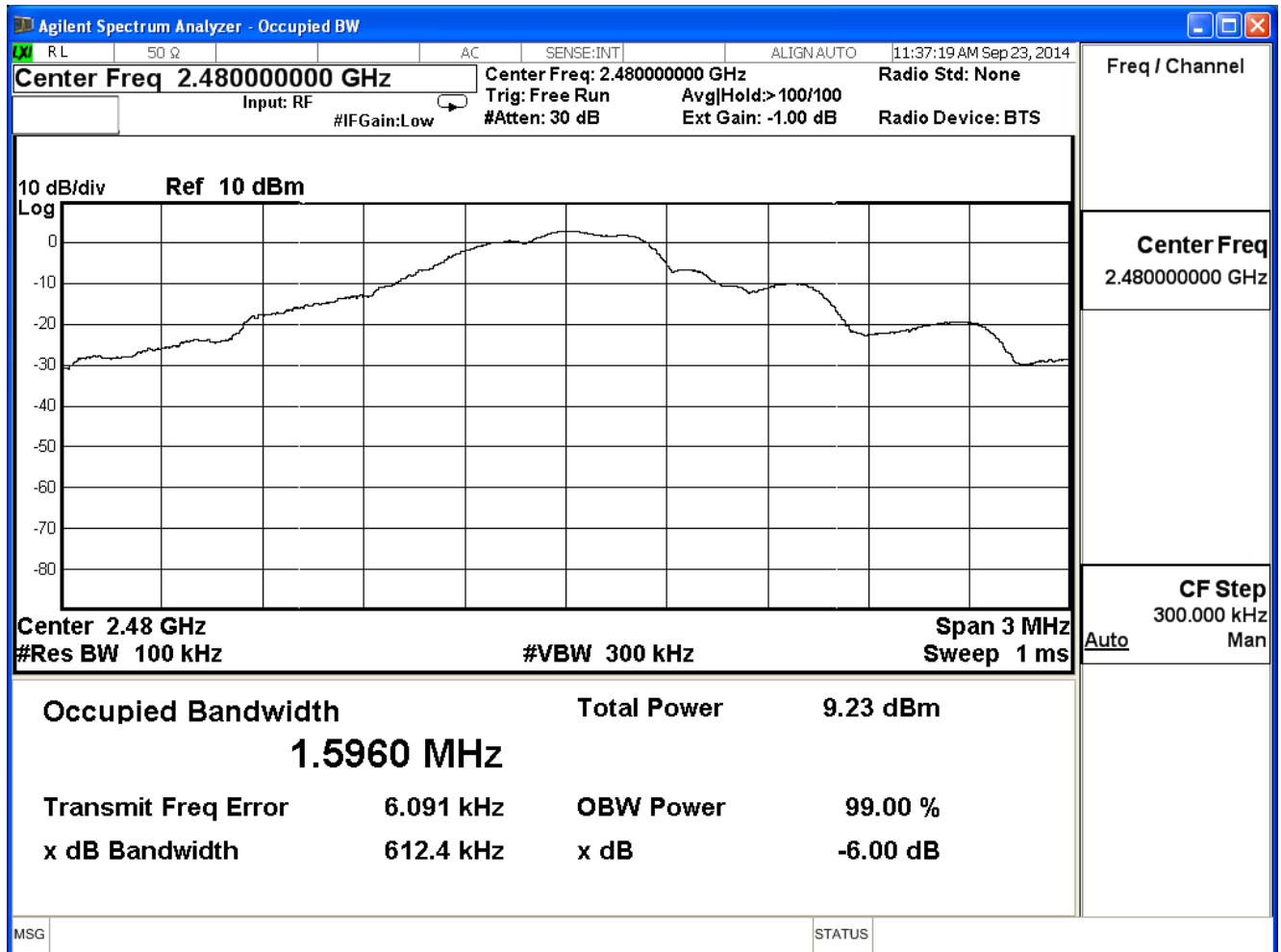
Channel 00



Channel 19



Channel 39



7. Power Density

7.1. Test Equipment

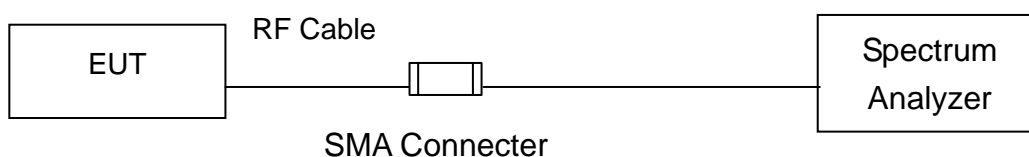
The following test equipment is used during the test:

Power Density / SR7

| Instrument | Manufacturer | Model No. | Serial No | Next Cal. Date |
|-------------------|--------------|------------|------------|----------------|
| Spectrum Analyzer | Agilent | N9010A-EXA | US47140172 | 2015/07/14 |

Note: All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

7.4. Test Procedures

The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB558074 V03R05 for compliance to FCC 47CFR 15.247 requirements.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247

7.6. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB.

7.7. Test Result

| | | | |
|--------------|--------------------------------------|-----------|-----|
| Product | SMART CLOTHING OF HEART RATE MONITOR | | |
| Test Item | Power Density | | |
| Test Mode | Mode 1: Transmit | | |
| Date of Test | 2014/09/23 | Test Site | SR7 |

| Channel No. | Frequency (MHz) | Measurement (dBm) | Limit (dBm) | Result |
|-------------|-----------------|-------------------|-------------|--------|
| 00 | 2402 | 3.203 | ≤ 8 | Pass |
| 19 | 2440 | 3.031 | ≤ 8 | Pass |
| 39 | 2480 | 2.526 | ≤ 8 | Pass |

Channel 00



Channel 19



Channel 39

