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# FCC Test Report

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Report No.: AGC01040230502FE10

**FCC ID** : 2AF9HHW9

**PRODUCT DESIGNATION** : Heart rate monitor armband

**BRAND NAME** : N/A

**MODEL NAME** : HW9, HW10, HW20, HW30, HW40, HW50, HW60, HW70, HW80, HW90

**APPLICANT** : Shenzhen COOSPO Tech Co., Ltd.

**DATE OF ISSUE** : Jun. 13, 2023

**STANDARD(S)** : FCC Part 15 Subpart C §15.249

**REPORT VERSION** : V 1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



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**REPORT REVISE RECORD**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 13, 2023	Valid	Initial Release

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**TABLE OF CONTENTS**

**1. GENERAL INFORMATION ..... 4**

**2. PRODUCT INFORMATION ..... 5**

    2.1 PRODUCT TECHNICAL DESCRIPTION ..... 5

    2.2 TEST FREQUENCY LIST ..... 5

    2.3 RELATED SUBMITTAL(S) / GRANT (S) ..... 6

    2.4 TEST METHODOLOGY ..... 6

    2.5 SPECIAL ACCESSORIES ..... 6

    2.6 EQUIPMENT MODIFICATIONS ..... 6

    2.7 ANTENNA REQUIREMENT ..... 6

    2.8 DUTY CYCLE ..... 7

**3. TEST ENVIRONMENT ..... 8**

    3.1 ADDRESS OF THE TEST LABORATORY ..... 8

    3.2 TEST FACILITY ..... 8

    3.3 ENVIRONMENTAL CONDITIONS ..... 9

    3.4 MEASUREMENT UNCERTAINTY ..... 9

    3.5 LIST OF EQUIPMENTS USED ..... 10

**4. SYSTEM TEST CONFIGURATION ..... 11**

    4.1 EUT CONFIGURATION ..... 11

    4.2 EUT EXERCISE ..... 11

    4.3 CONFIGURATION OF TESTED SYSTEM ..... 11

    4.4 EQUIPMENT USED IN TESTED SYSTEM ..... 11

    4.5 SUMMARY OF TEST RESULTS ..... 12

**5. DESCRIPTION OF TEST MODES ..... 13**

**6. 20 DB BANDWIDTH ..... 14**

    6.1 MEASUREMENT PROCEDURE ..... 14

    6.2 MEASUREMENT SETUP (BLOCK DIAGRAM OF CONFIGURATION) ..... 14

    6.3 MEASUREMENT RESULTS ..... 15

**7. RADIATED EMISSION ..... 16**

    7.1 LIMITS OF RADIATED EMISSION TEST ..... 16

    7.2 MEASUREMENT PROCEDURE ..... 17

    7.3 MEASUREMENT SETUP (BLOCK DIAGRAM OF CONFIGURATION) ..... 19

    7.4 MEASUREMENT RESULT ..... 20

**APPENDIX A: PHOTOGRAPHS OF TEST SETUP ..... 28**

**APPENDIX B: PHOTOGRAPHS OF TEST EUT ..... 28**

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## 1. GENERAL INFORMATION

<b>Applicant</b>	Shenzhen COOSPO Tech Co., Ltd.
<b>Address</b>	6th Floor (south), Building A, Dingxin Science Park, 67 District, Bao'an, Shenzhen, China.
<b>Manufacturer</b>	Shenzhen COOSPO Tech Co., Ltd.
<b>Address</b>	6th Floor (south), Building A, Dingxin Science Park, 67 District, Bao'an, Shenzhen, China.
<b>Factory</b>	Shenzhen COOSPO Tech Co., Ltd.
<b>Address</b>	6th Floor (south), Building A, Dingxin Science Park, 67 District, Bao'an, Shenzhen, China.
<b>Product Designation</b>	Heart rate monitor armband
<b>Brand Name</b>	N/A
<b>Test Model</b>	HW9
<b>Series Model</b>	HW10, HW20, HW30, HW40, HW50, HW60, HW70, HW80, HW90
<b>Declaration of Difference</b>	All the same except for the model name.
<b>Date of receipt of test item</b>	Jun. 01, 2023
<b>Date of test</b>	Jun. 01, 2023 to Jun. 13, 2023
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Report Template</b>	AGCRT-JP-SRD/RF

Prepared By



Cici Li  
(Project Engineer)

Jun. 13, 2023

Reviewed By



Calvin Liu  
(Reviewer)

Jun. 13, 2023

Approved By



Max Zhang  
(Authorized Officer)

Jun. 13, 2023

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Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: agc@agccert.com Web: http://www.agccert.com/

## 2. PRODUCT INFORMATION

### 2.1 PRODUCT TECHNICAL DESCRIPTION

<b>Hardware Version</b>	V1.3
<b>Software Version</b>	V1.0.8
<b>Equipment Specification</b>	ANT+
<b>Frequency Band</b>	2400MHz-2483.5MHz
<b>Operation Frequency</b>	2457MHz
<b>Modulation Type</b>	GFSK
<b>Number of channels</b>	1 Channel
<b>Field Strength of Fundamental</b>	93.06dBuV/m(Average)@3m
<b>Antenna Designation</b>	PCB Antenna
<b>Antenna Gain</b>	0.99dBi
<b>Power Supply</b>	DC 3.7V by battery or DC 5V by adapter

### 2.2 TEST FREQUENCY LIST

Frequency Band	Channel Number	Frequency
2400~2483.5MHz	01	2457MHz

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### 2.3 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: 2AF9HHW9** filing to comply with Part 2, Part 15 of the Federal Communication Commission rules.

### 2.4 TEST METHODOLOGY

The tests were performed according to following standards:

No.	Identity	Document Title
1	FCC 47 CFR Part 2	Frequency allocations and radio treaty matters; general rules and regulations
2	FCC 47 CFR Part 15	Radio Frequency Devices
3	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

### 2.5 SPECIAL ACCESSORIES

Not available for this EUT intended for grant.

### 2.6 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

### 2.7 ANTENNA REQUIREMENT

Standard Requirement
<p><b>15.203 requirement:</b> An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.</p>
<p><b>EUT Antenna:</b> The non-detachable antenna inside the device cannot be replaced by the user at will. The gain of the antenna is 0.99dBi.</p>

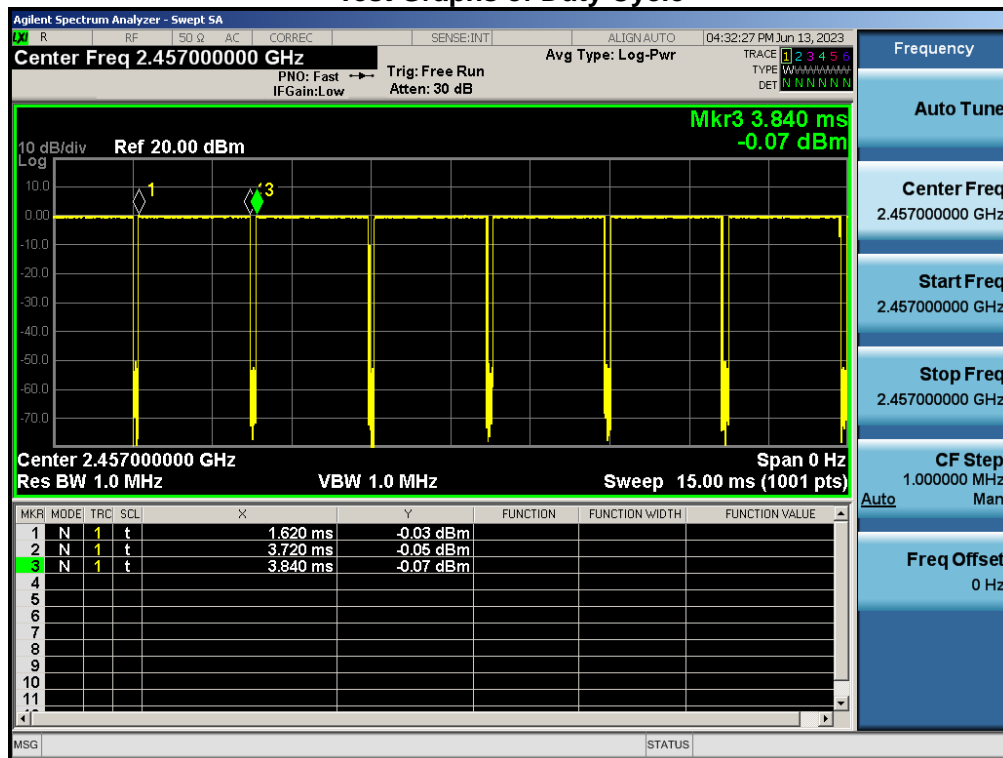
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## 2.8 DUTY CYCLE

The maximum achievable duty cycles for all modes were determined based on measurements performed on a spectrum analyzer in zero-span mode with RBW=1MHz, VBW=1MHz. The RBW and VBW were both greater than 50/T, where T is the minimum transmission duration, and the number of sweep points across T was greater than 100. The duty cycles are as follows:

Test Mode	Frequency	Duty Cycle
TX	2457MHz	94.59%

Test Graphs of Duty Cycle



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### 3. TEST ENVIRONMENT

#### 3.1 ADDRESS OF THE TEST LABORATORY

Laboratory: Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address: 1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

#### 3.2 TEST FACILITY

The test facility is recognized, certified, or accredited by the following organizations:

##### **CNAS-Lab Code: L5488**

Attestation of Global Compliance (Shenzhen) Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2017 General Requirements) for the Competence of Testing and Calibration Laboratories.

##### **A2LA-Lab Cert. No.: 5054.02**

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

##### **FCC-Registration No.: 975832**

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files with Registration 975832.

##### **IC-Registration No.: 24842 (CAB identifier: CN0063)**

Attestation of Global Compliance (Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the Certification and Engineering Bureau of Industry Canada. The acceptance letter from the IC is maintained in our files with Registration 24842.

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### 3.3 ENVIRONMENTAL CONDITIONS

	NORMAL CONDITIONS	EXTREME CONDITIONS
Temperature range (°C)	15 - 35	-10 - 45
Relative humidity range	20 % - 75 %	20 % - 75 %
Pressure range (kPa)	86 - 106	86 - 106
Power supply	--	--

Note: The Extreme Temperature and Extreme Voltages declared by the manufacturer.

### 3.4 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement  $y \pm U$ , where expanded uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty
Uncertainty of Conducted Emission for AC Port	$U_c = \pm 2.9$ dB
Uncertainty of Radiated Emission below 1GHz	$U_c = \pm 3.8$ dB
Uncertainty of Radiated Emission above 1GHz	$U_c = \pm 4.9$ dB
Uncertainty of total RF power, conducted	$U_c = \pm 0.8$ dB
Uncertainty of RF power density, conducted	$U_c = \pm 2.6$ dB
Uncertainty of spurious emissions, conducted	$U_c = \pm 2$ %
Uncertainty of Occupied Channel Bandwidth	$U_c = \pm 2$ %

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### 3.5 LIST OF EQUIPMENTS USED

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Test Receiver	R&S	ESCI	10096	Feb. 18, 2023	Feb. 17, 2024
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Aug. 04, 2022	Aug. 03, 2023
2.4GHz Filter	EM Electronics	N/A	N/A	Mar. 18, 2022	Mar. 19, 2024
Attenuator	ZHINAN	E-002	N/A	Aug. 04, 2022	Aug. 03, 2024
Horn Antenna	SCHWARZBECK	BBHA 9170	#768	Oct. 31, 2021	Oct. 30, 2023
Active Loop Antenna (9K-30Mhz)	ZHINAN	ZN30900C	18051	Mar. 12, 2022	Mar. 11, 2024
Double-Ridged Waveguide Horn	ETS	3117	00034609	Mar. 23, 2023	Mar. 22, 2024
Broadband Preamplifier	ETS LINDGREN	3117PA	00225134	Sep. 02, 2022	Sep. 01, 2024
Wideband Antenna	SCHWARZBECK	VULB9168	494	Jan. 05, 2023	Jan. 04, 2025
Test Software	FARA	EZ-EMC(Ver.RA-03A)	N/A	N/A	N/A

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## 4.SYSTEM TEST CONFIGURATION

### 4.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission’s requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 4.2 EUT EXERCISE

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

### 4.3 CONFIGURATION OF TESTED SYSTEM

Radiated Emission Configure:



### 4.4 EQUIPMENT USED IN TESTED SYSTEM

The Following Peripheral Devices And Interface Cables Were Connected During The Measurement:

- Test Accessories Come From The Laboratory
- Test Accessories Come From The Manufacturer

Item	Equipment	Model No.	Identifier	Note
1	Heart rate monitor armband	HW9	2AF9HHW9	EUT

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#### 4.5 SUMMARY OF TEST RESULTS

Item	FCC Rules	Description Of Test	Result
1	§15.203	Antenna Equipment	Pass
2	§15.249(a)	Field Strength of Fundamental	Pass
3	§15.209, §15.249	Radiated Emission& Band Edge	Pass
4	§15.215	20dB Bandwidth	Pass
9	§15.207	AC Power Line Conducted Emission	Not applicable

Note: 1.N/A means not applicable  
2. Wireless function is not working when charging.

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## 5. DESCRIPTION OF TEST MODES

Summary table of Test Cases	
Test Item	Data Rate / Modulation
	ANT+ / GFSK
Radiated&Conducted Test Cases	Mode 1: ANT+ Tx_2457MHz
AC Conducted Emission	--

Note:

1. Only the result of the worst case was recorded in the report, if no other cases.
2. The battery is full-charged during the test.
3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
4. For Conducted Test method, a temporary antenna connector is provided by the manufacture.
5. This device does not need software control, the manufacturer has written the program into the chip, and it can be launched after power-on.

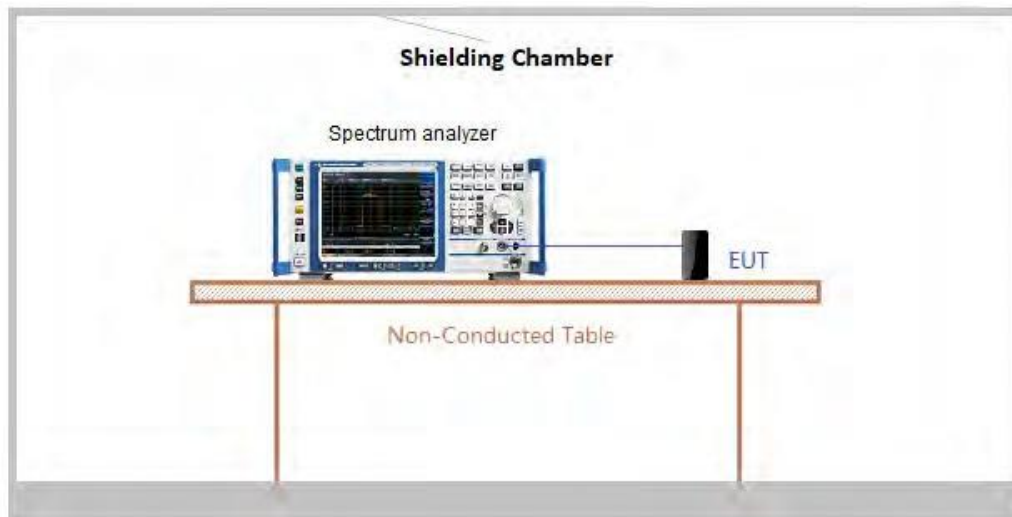
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## 6. 20 DB BANDWIDTH

### 6.1 MEASUREMENT PROCEDURE

1. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 30 kHz. Set the Video bandwidth (VBW) = 100 kHz. In order to make an accurate measurement.
4. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
5. Measure and record the results in the test report.

### 6.2 MEASUREMENT SETUP (BLOCK DIAGRAM OF CONFIGURATION)

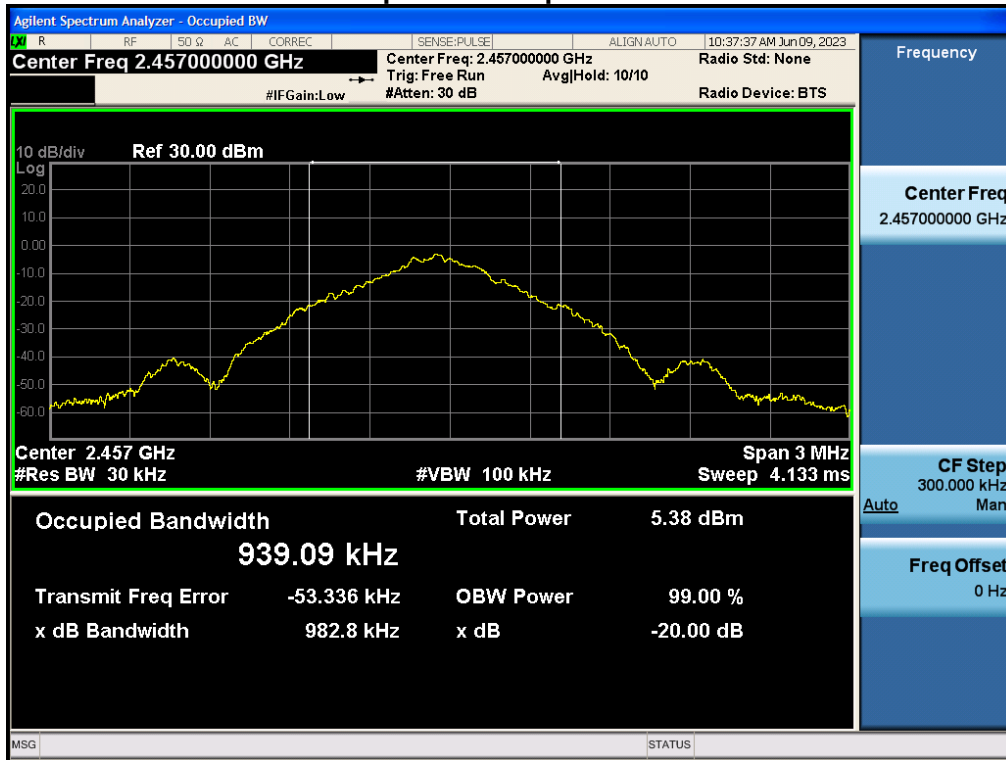


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### 6.3 MEASUREMENT RESULTS

Test Data of Occupied Bandwidth and -20dB Bandwidth					
Test Mode	Test Channel (MHz)	99% Occupied Bandwidth (MHz)	-20dB Bandwidth (MHz)	Limits (MHz)	Pass or Fail
GFSK	2457	0.939	0.983	N/A	Pass

### Test Graphs of Occupied Bandwidth



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## 7. RADIATED EMISSION

### 7.1 LIMITS OF RADIATED EMISSION TEST

15.249 Limit in the below table has to be followed:

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

15.209 Limit in the below table has to be followed:

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		$\mu$ V/m	dB( $\mu$ V)/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other:74.0 dB( $\mu$ V)/m (Peak) 54.0 dB( $\mu$ V)/m (Average)	

Remark: (1) Emission level dB  $\mu$  V = 20 log Emission level  $\mu$  V/m  
 (2) The smaller limit shall apply at the cross point between two frequency bands.  
 (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.



## 7.2 MEASUREMENT PROCEDURE

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

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The following table is the setting of spectrum analyzer and receiver.

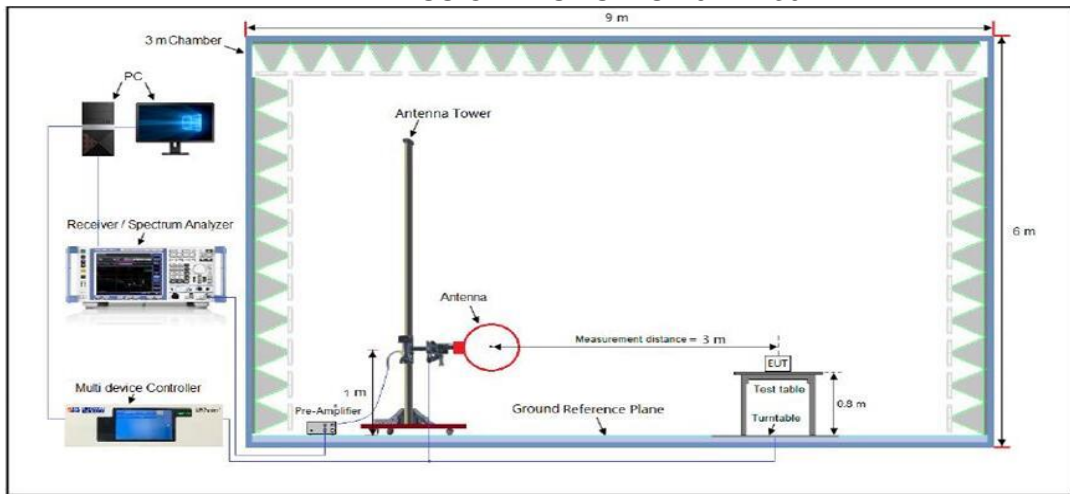
Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/3MHz for Average

Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

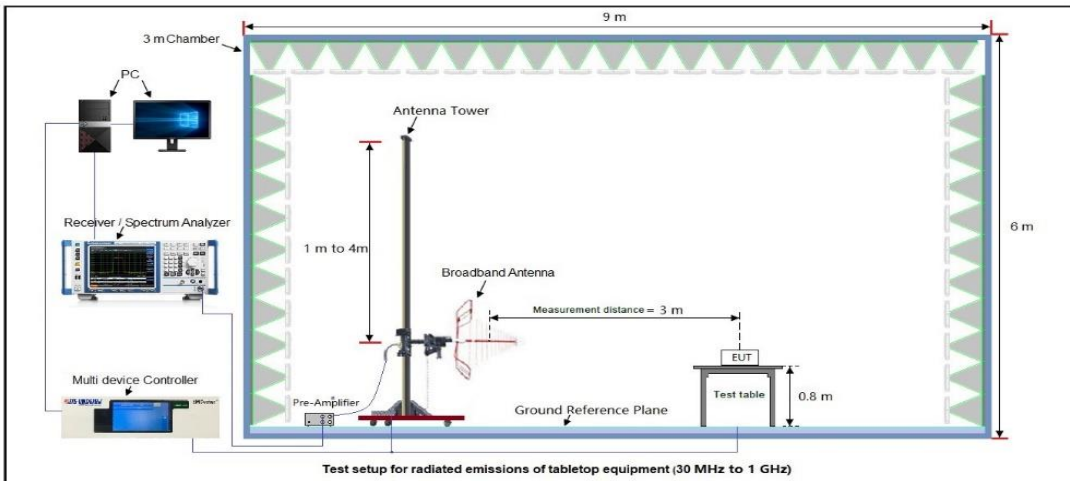
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### 7.3 MEASUREMENT SETUP (BLOCK DIAGRAM OF CONFIGURATION)

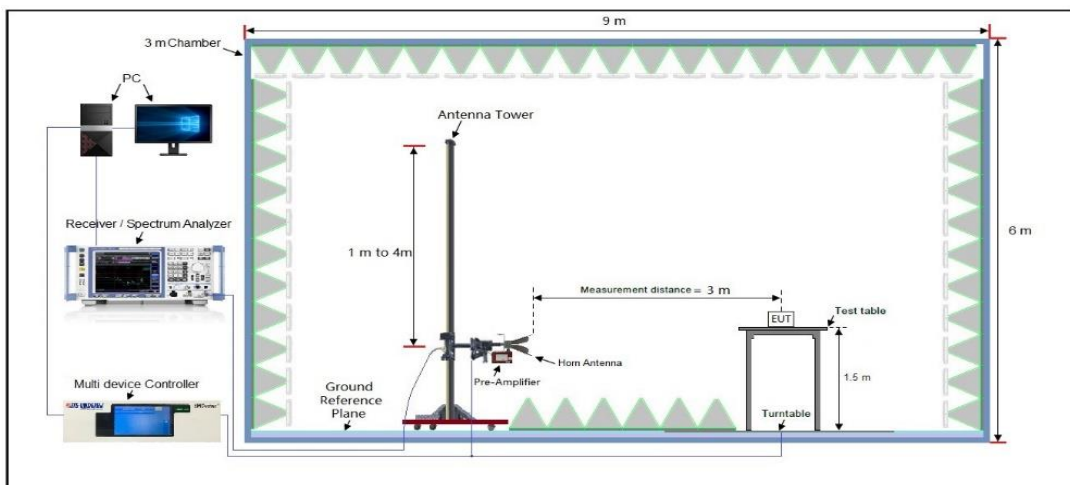
**RADIATED EMISSION TEST SETUP 9KHz-30MHz**



**RADIATED EMISSION TEST SETUP 30MHz-1000MHz**



**RADIATED EMISSION TEST SETUP ABOVE 1000MHz**



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### 7.4 MEASUREMENT RESULT

#### FIELD STRENGTH OF FUNDAMENTAL

<b>EUT</b>	Heart rate monitor armband	<b>Model Name</b>	HW9
<b>Temperature</b>	21°C	<b>Relative Humidity</b>	53%
<b>Pressure</b>	985hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Modulation</b>	GFSK	<b>Polarization</b>	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2457	44.46	49.05	93.51	114.00	-20.49	peak
2457	44.01	49.05	93.06	94.00	-0.94	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

<b>EUT</b>	Heart rate monitor armband	<b>Model Name</b>	HW9
<b>Temperature</b>	21°C	<b>Relative Humidity</b>	53%
<b>Pressure</b>	985hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Modulation</b>	GFSK	<b>Polarization</b>	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	
2457	43.86	49.05	92.91	114.00	-21.09	peak
2457	43.83	49.05	92.88	94.00	-1.12	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

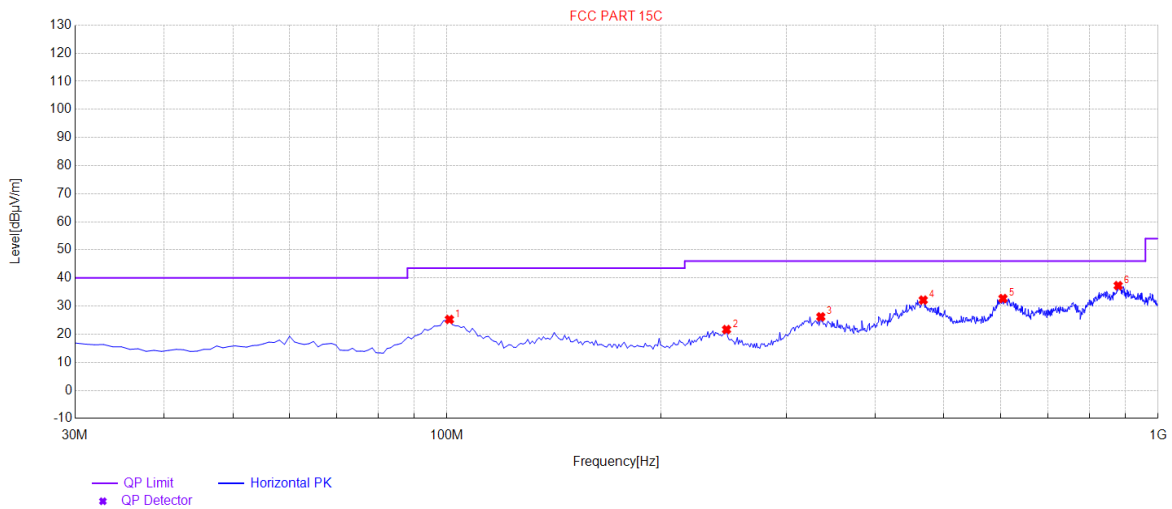
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### RADIATED EMISSION BELOW 30MHZ

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

### RADIATED EMISSION FROM 30MHZ TO 1000MHZ

<b>EUT</b>	Heart rate monitor armband	<b>Model Name</b>	HW9
<b>Temperature</b>	21°C	<b>Relative Humidity</b>	53%
<b>Pressure</b>	985hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

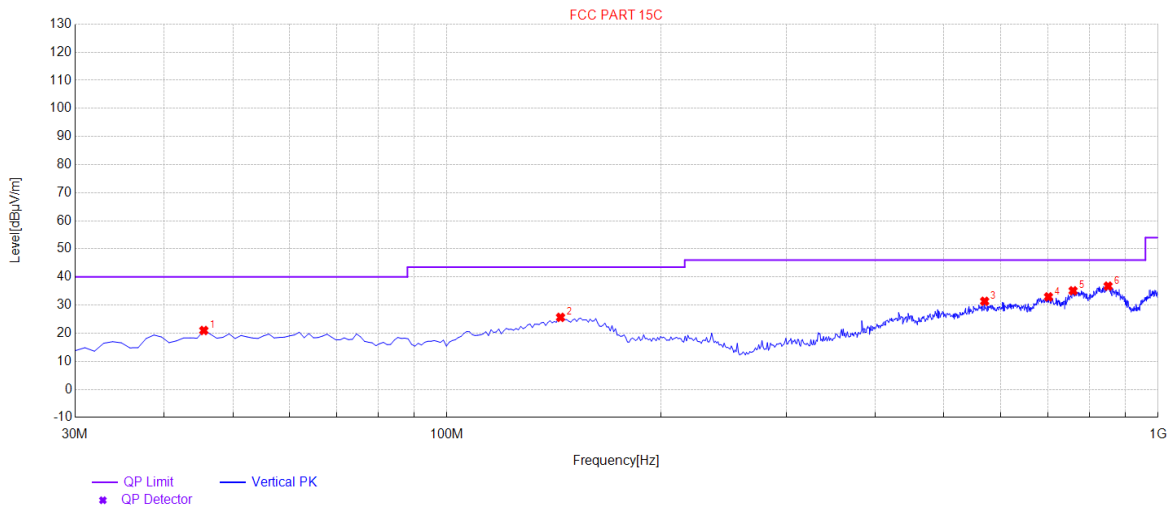


NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	100.81	25.23	21.07	43.50	18.27	100	30	Horizontal
2	247.28	21.64	16.09	46.00	24.36	100	80	Horizontal
3	335.55	26.18	20.98	46.00	19.82	100	70	Horizontal
4	467.47	32.13	26.93	46.00	13.87	100	350	Horizontal
5	605.21	32.68	28.53	46.00	13.32	100	290	Horizontal
6	878.75	37.28	33.07	46.00	8.72	100	220	Horizontal

**RESULT: PASS**

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<b>EUT</b>	Heart rate monitor armband	<b>Model Name</b>	HW9
<b>Temperature</b>	21°C	<b>Relative Humidity</b>	53%
<b>Pressure</b>	985hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	45.52	20.96	12.62	40.00	19.04	100	240	Vertical
2	144.46	25.63	20.33	43.50	17.87	100	280	Vertical
3	570.29	31.35	25.55	46.00	14.65	100	210	Vertical
4	701.24	32.92	28.96	46.00	13.08	100	90	Vertical
5	759.44	35.08	30.37	46.00	10.92	100	210	Vertical
6	850.62	36.74	32.25	46.00	9.26	100	120	Vertical

**RESULT: PASS**

**Note:** 1. Factor=Antenna Factor + Cable loss, Margin=Limit-Level.

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**RADIATED EMISSION ABOVE 1GHZ**

<b>EUT</b>	Heart rate monitor armband	<b>Model Name</b>	HW9
<b>Temperature</b>	21°C	<b>Relative Humidity</b>	53%
<b>Pressure</b>	985hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4914.000	47.41	0.08	47.49	74	-26.51	peak
4914.000	37.36	0.08	37.44	54	-16.56	AVG
7371.000	43.28	2.21	45.49	74	-28.51	peak
7371.000	34.39	2.21	36.6	54	-17.4	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

<b>EUT</b>	Heart rate monitor armband	<b>Model Name</b>	HW9
<b>Temperature</b>	21°C	<b>Relative Humidity</b>	53%
<b>Pressure</b>	985hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dBµV)	Factor (dB)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Value Type
4914.000	48.57	0.08	48.65	74	-25.35	peak
4914.000	38.32	0.08	38.4	54	-15.6	AVG
7371.000	45.46	2.21	47.67	74	-26.33	peak
7371.000	34.21	2.21	36.42	54	-17.58	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

**RESULT: PASS**

**Note:**

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Emission Level-Limit.

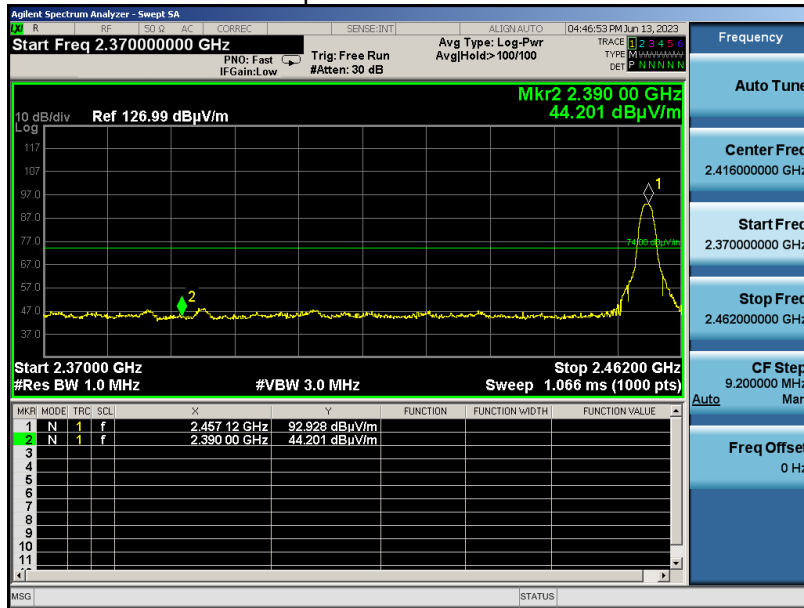
The “Factor” value can be calculated automatically by software of measurement system.

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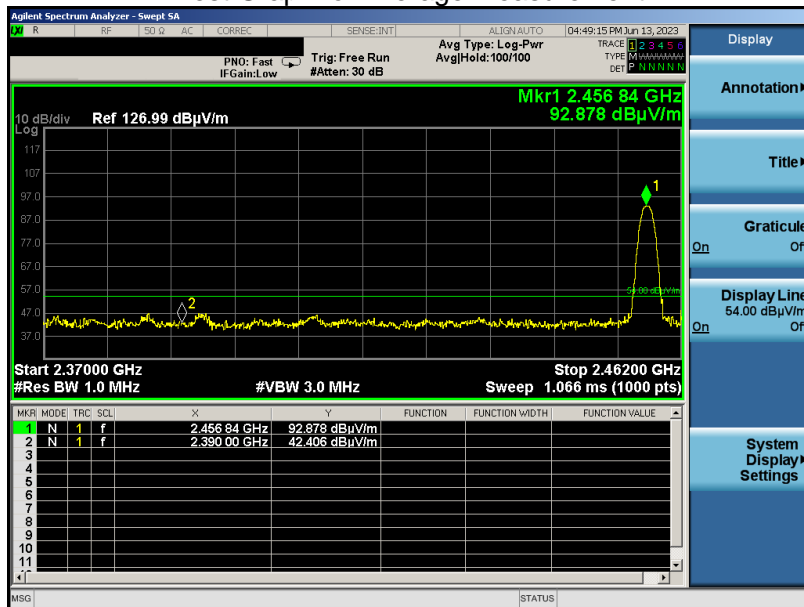
**TEST RESULT FOR BAND EDGE EMISSION AT RESTRICTED BANDS**

EUT	Heart rate monitor armband	Model Name	HW9
Temperature	21°C	Relative Humidity	53%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



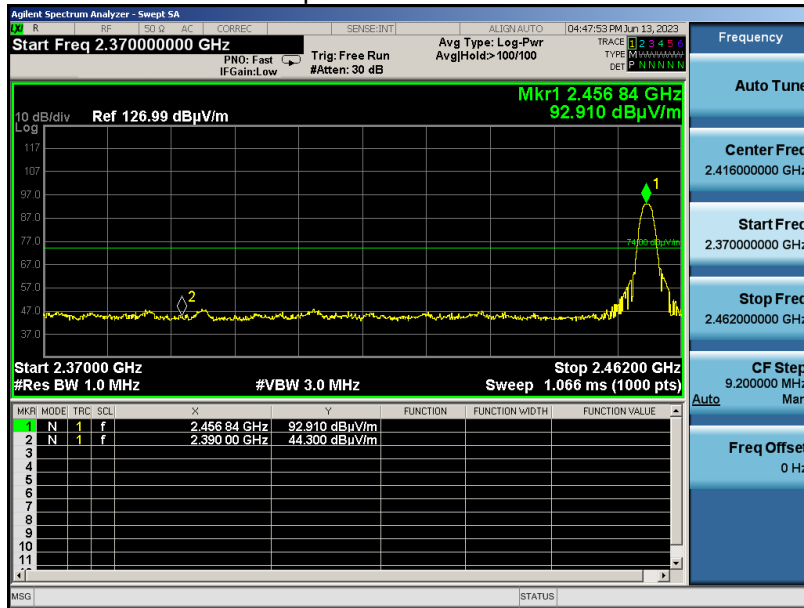
**RESULT: PASS**

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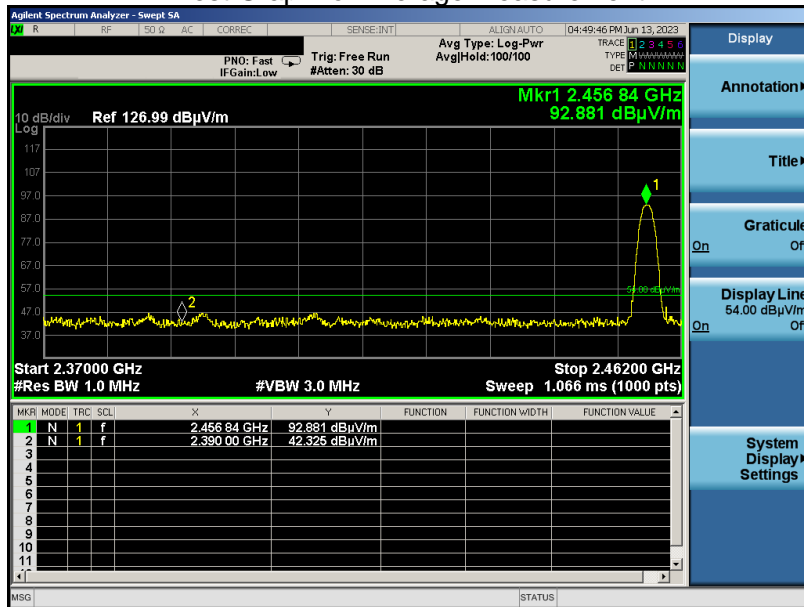


EUT	Heart rate monitor armband	Model Name	HW9
Temperature	21°C	Relative Humidity	53%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement

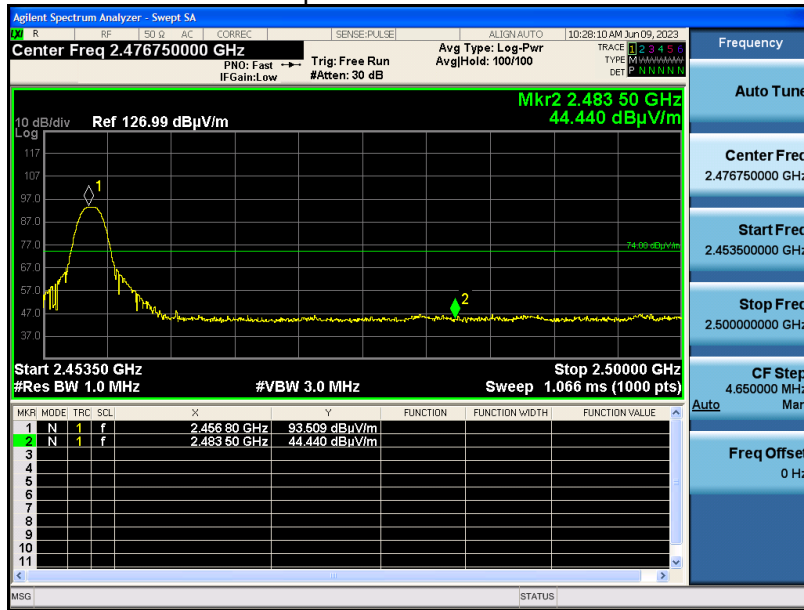


**RESULT: PASS**

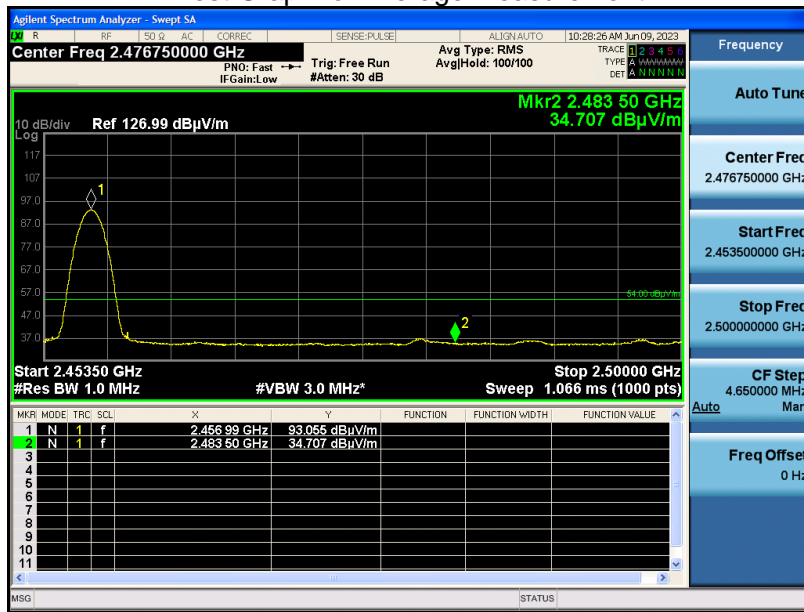
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EUT	Heart rate monitor armband	Model Name	HW9
Temperature	21°C	Relative Humidity	53%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement

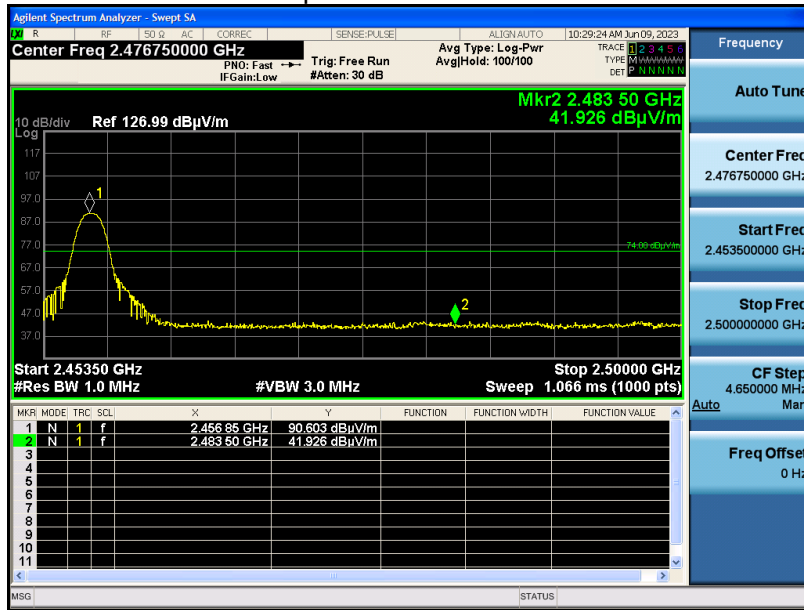


**RESULT: PASS**

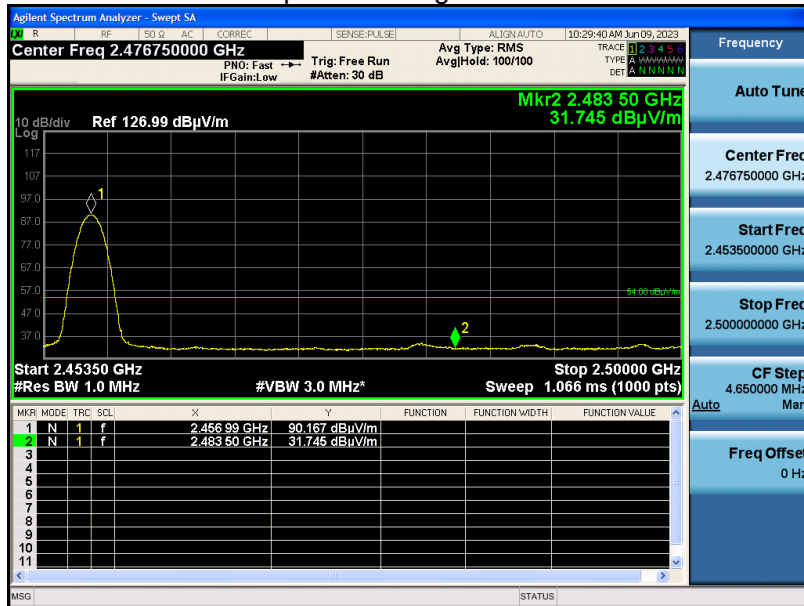
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EUT	Heart rate monitor armband	Model Name	HW9
Temperature	21°C	Relative Humidity	53%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



**RESULT: PASS**

Note: 1. Factor=Antenna Factor + Cable loss - Amplifier gain. Field Strength=Factor + Reading level

2. The factor had been edited in the "Input Correction" of the Spectrum Analyzer. So the Amplitude of test plots is equal to Reading level plus the Factor in dB. Use the A dB(μV) to represent the Amplitude. Use the F dB(μV/m) to represent the Field Strength. So A=F.

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**APPENDIX A: PHOTOGRAPHS OF TEST SETUP**

Refer to the Report No.: AGC01040230502AP02

**APPENDIX B: PHOTOGRAPHS OF TEST EUT**

Refer to the Report No.: AGC01040230502AP03

**-----END OF REPORT-----**

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Attestation of Global Compliance(Shenzhen)Co., Ltd

Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

Tel: +86-755 2523 4088 E-mail: [agc@agccert.com](mailto:agc@agccert.com) Web: <http://www.agccert.com/>



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3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
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7. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.
9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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