

# TEST REPORT

**Reference No.**..... : WTX22X07140325W002  
**FCC ID** ..... : 2ATEV-SR4M  
**Applicant** ..... : Hangzhou BroadLink Technology Co., Ltd.  
**Address** ..... : Building C, 57 Jiang'er Road, Binjiang, Hangzhou, 310052, P.R.China  
**Manufacturer** ..... : The same as Applicant  
**Address** ..... : The same as Applicant  
**Product Name** ..... : Radar Motion Sensor  
**Model No.**..... : SR4M  
**Standards** ..... : FCC Part 15.249  
**Date of Receipt sample** .... : 2022-07-11  
**Date of Test**..... : 2022-07-11 to 2022-11-12  
**Date of Issue** ..... : 2022-11-12  
**Test Report Form No.** ..... : WTX\_Part 15\_249W  
**Test Result**..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

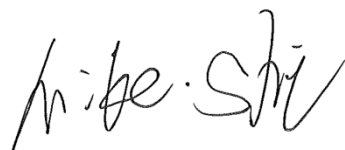
**Prepared By:**

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Approved by:



Silin Chen

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**Report version**

| Version No. | Date of issue | Description |
|-------------|---------------|-------------|
| Rev.00      | 2022-11-12    | Original    |
| /           | /             | /           |

## 1. GENERAL INFORMATION

---

### 1.1 Product Description for Equipment Under Test (EUT)

| General Description of EUT  |                              |
|---|------------------------------|
| Product Name:   | Radar Motion Sensor          |
| Trade Name:   | /                            |
| Model No.:  | SR4M                         |
| Adding Model(s):  | SR4, SR4MS, SR4R, MS4, MS4BT |
| Rated Voltage:  | Battery:DC1.5V"AAA"*2        |
| Battery Capacity  | /                            |
| Power Adapter Model:  | /                            |
| Software Version:   | 4.1.0.2056.17                |
| Hardware Version:   | SR4_M_1V1                    |
| <p><i>Note: The test data is gathered from a production sample, provided by the manufacturer. The appearance of others models listed in the report is different from main-test model SR4M, but the circuit and the electronic construction do not change, declared by the manufacturer.</i></p> |                              |

| Technical Characteristics of EUT   |              |
|--|--------------|
| Frequency Range:   | 5725-5875MHz |
| Max. Field Strength:   | 91.54dBuV/m  |
| Antenna Type:  | PCB Antenna  |
| Antenna Gain:  | 0dBi         |
| <p><i>Note: The Antenna Gain is provided by the customer and can affect the validity of results.</i></p> |              |

## 1.2 Test Standards

The tests were performed according to following standards:

**FCC Rules Part 15.249:** Operation within the bands 902-928MHz, 2400-2483.5MHz, 5725-5875MHz, and 24.0-24.25GHz.

**ANSI C63.10-2013:** American National Standard for Testing Unlicensed Wireless Devices.

**Maintenance of compliance** is the responsibility of the manufacturer. Any modification of the product, which results in lowering the emission, should be checked to ensure compliance has been maintained.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions.

## 1.4 Test Facility

### Address of the test laboratory

Laboratory: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

### FCC – Registration No.: 125990

Waltek Testing Group (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. The Designation Number is CN5010, and Test Firm Registration Number is 125990.

### Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

### 1.5 EUT Setup and Test Mode

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements. All testing shall be performed under maximum output power condition, and to measure its highest possible emissions level, more detailed description as follows:

| <b>Test Mode List</b> |             |           |
|-----------------------|-------------|-----------|
| Test Mode             | Description | Remark    |
| TM1                   | TX          | 5817.3MHz |

| <b>Test Conditions</b> |           |
|------------------------|-----------|
| Temperature:           | 22~25 °C  |
| Relative Humidity:     | 50~55 %.  |
| ATM Pressure:          | 1019 mbar |

| <b>EUT Cable List and Details</b> |            |                     |                        |
|-----------------------------------|------------|---------------------|------------------------|
| Cable Description                 | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| /                                 | /          | /                   | /                      |

| <b>Special Cable List and Details</b> |            |                     |                        |
|---------------------------------------|------------|---------------------|------------------------|
| Cable Description                     | Length (m) | Shielded/Unshielded | With / Without Ferrite |
| /                                     | /          | /                   | /                      |

| <b>Auxiliary Equipment List and Details</b> |              |       |               |
|---|--------------|-------|---------------|
| Description                                 | Manufacturer | Model | Serial Number |
| /   | /            | /     | /             |

### 1.6 Measurement Uncertainty

| Measurement uncertainty        |            |                    |
|--------------------------------|------------|--------------------|
| Parameter                      | Conditions | Uncertainty        |
| RF Output Power                | Conducted  | ±0.42dB            |
| Occupied Bandwidth             | Conducted  | ±1.5%              |
| Conducted Spurious Emission    | Conducted  | ±2.17dB            |
| Conducted Emissions            | Conducted  | 9-150kHz ±3.74dB   |
|                                |            | 0.15-30MHz ±3.34dB |
| Transmitter Spurious Emissions | Radiated   | 30-200MHz ±4.52dB  |
|                                |            | 0.2-1GHz ±5.56dB   |
|                                |            | 1-6GHz ±3.84dB     |
|                                |            | 6-26GHz ±3.92dB    |

## 1.7 Test Equipment List and Details

| No.   | Description             | Manufacturer    | Model                 | Serial No.  | Cal Date   | Due. Date  |
|---|-------------------------|-----------------|-----------------------|-------------|------------|------------|
| SEMT-1075   | Communication Tester    | Rohde & Schwarz | CMW500                | 148650      | 2022-03-22 | 2023-03-21 |
| SEMT-1063   | GSM Tester              | Rohde & Schwarz | CMU200                | 114403      | 2022-03-22 | 2023-03-21 |
| SEMT-1072   | Spectrum Analyzer       | Agilent         | E4407B                | MY41440400  | 2022-03-25 | 2023-03-24 |
| SEMT-1079   | Spectrum Analyzer       | Agilent         | N9020A                | US47140102  | 2022-03-22 | 2023-03-21 |
| SMET-1313   | Spectrum Analyzer       | Agilent         | N9020A                | MY54320548  | 2022-03-22 | 2023-03-21 |
| SEMT-1080   | Signal Generator        | Agilent         | 83752A                | 3610A01453  | 2022-03-22 | 2023-03-21 |
| SEMT-1081   | Vector Signal Generator | Agilent         | N5182A                | MY47070202  | 2022-03-22 | 2023-03-21 |
| SEMT-1028   | Power Divider           | Weinschel       | 1506A                 | PM204       | 2022-03-22 | 2023-03-21 |
| SEMT-1082   | Power Divider           | RF-Lambda       | RFLT4W5M18G           | 14110400027 | 2022-03-22 | 2023-03-21 |
| SEMT-C001   | Cable                   | Zheng DI        | LL142-07-07-10M(A)    | /           | /          | /          |
| SEMT-C002   | Cable                   | Zheng DI        | ZT40-2.92J-2.92J-6M   | /           | /          | /          |
| SEMT-C003   | Cable                   | Zheng DI        | ZT40-2.92J-2.92J-2.5M | /           | /          | /          |
| SEMT-C004   | Cable                   | Zheng DI        | 2M0RFC                | /           | /          | /          |
| SEMT-C005   | Cable                   | Zheng DI        | 1M0RFC                | /           | /          | /          |
| SEMT-C006   | Cable                   | Zheng DI        | 1M0RFC                | /           | /          | /          |
| <input checked="" type="checkbox"/> Chamber A: Below 1GHz |                         |                 |                       |             |            |            |
| SEMT-1031   | Spectrum Analyzer       | Rohde & Schwarz | FSP30                 | 836079/035  | 2022-03-22 | 2023-03-21 |
| SEMT-1007   | EMI Test Receiver       | Rohde & Schwarz | ESVB                  | 825471/005  | 2022-03-22 | 2023-03-21 |
| SEMT-1008   | Amplifier               | Agilent         | 8447F                 | 3113A06717  | 2022-01-07 | 2023-01-06 |
| SEMT-1069   | Loop Antenna            | Schwarz beck    | FMZB 1516             | 9773        | 2021-03-20 | 2023-03-19 |
| SEMT-1068   | Broadband Antenna       | Schwarz beck    | VULB9163              | 9163-333    | 2021-03-20 | 2023-03-19 |
| <input checked="" type="checkbox"/> Chamber A: Above 1GHz |                         |                 |                       |             |            |            |
| SEMT-1031   | Spectrum Analyzer       | Rohde & Schwarz | FSP30                 | 836079/035  | 2022-03-22 | 2023-03-21 |



|   |                          |                 |             |             |            |            |
|---|--------------------------|-----------------|-------------|-------------|------------|------------|
| SEMT-1007   | EMI Test Receiver        | Rohde & Schwarz | ESVB        | 825471/005  | 2022-03-22 | 2023-03-21 |
| SEMT-1043   | Amplifier                | C&D             | PAP-1G18    | 2002        | 2022-03-22 | 2023-03-21 |
| SEMT-1042   | Horn Antenna             | ETS             | 3117        | 00086197    | 2021-03-19 | 2023-03-18 |
| SEMT-1121   | Horn Antenna             | Schwarzbeck     | BBHA 9170   | BBHA9170582 | 2021-04-27 | 2023-04-26 |
| SEMT-1216   | Pre-amplifier            | Schwarzbeck     | BBV 9721    | 9721-031    | 2022-03-25 | 2023-03-24 |
| SEMT-1163   | Spectrum Analyzer        | Rohde & Schwarz | FSP40       | 100612      | 2022-03-22 | 2023-03-21 |
| <input type="checkbox"/> Chamber B:Below 1GHz         |                          |                 |             |             |            |            |
| SEMT-1068   | Trilog Broadband Antenna | Schwarz beck    | VULB9163(B) | 9163-635    | 2021-04-09 | 2023-04-08 |
| SEMT-1067   | Amplifier                | Agilent         | 8447D       | 2944A10179  | 2022-03-22 | 2023-03-21 |
| SEMT-1066   | EMI Test Receiver        | Rohde & Schwarz | ESPI        | 101391      | 2022-03-22 | 2023-03-21 |
| <input type="checkbox"/> Chamber C:Below 1GHz         |                          |                 |             |             |            |            |
| SEMT-1319   | EMI Test Receiver        | Rohde & Schwarz | ESIB 26     | 100401      | 2022-01-07 | 2023-01-06 |
| SEMT-1343   | Trilog Broadband Antenna | Schwarz beck    | VULB 9168   | 1194        | 2021-05-28 | 2023-05-27 |
| SEMT-1333   | Amplifier                | HP              | 8447F       | 2944A03869  | 2022-03-22 | 2023-03-21 |
| <input checked="" type="checkbox"/> Conducted Room 1# |                          |                 |             |             |            |            |
| SEMT-1001   | EMI Test Receiver        | Rohde & Schwarz | ESPI        | 101611      | 2022-03-21 | 2023-03-20 |
| SEMT-1002   | Pulse Limiter            | Rohde & Schwarz | ESH3-Z2     | 100911      | 2022-03-25 | 2023-03-24 |
| SEMT-1003   | AC LISN                  | Schwarz beck    | NSLK8126    | 8126-224    | 2022-03-22 | 2023-03-21 |
| <input type="checkbox"/> Conducted Room 2#            |                          |                 |             |             |            |            |
| SEMT-1334   | EMI Test Receiver        | Rohde & Schwarz | ESPI        | 101259      | 2022-03-22 | 2023-03-21 |
| SEMT-1336   | LISN                     | Rohde & Schwarz | ENV 216     | 100097      | 2022-03-22 | 2023-03-21 |

| <b>Software List</b>                       |                     |              |                |
|--|---------------------|--------------|----------------|
| <b>Description</b>                         | <b>Manufacturer</b> | <b>Model</b> | <b>Version</b> |
| EMI Test Software<br>(Radiated Emission)*  | Farad               | EZ-EMC       | RA-03A1        |
| EMI Test Software<br>(Conducted Emission)* | Farad               | EZ-EMC       | RA-03A1        |

\*Remark: indicates software version used in the compliance certification testing.

## 2. SUMMARY OF TEST RESULTS

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| FCC Rules     | Description of Test Item     | Result    |
|---------------|------------------------------|-----------|
| §15.203       | Antenna Requirement          | Compliant |
| §15.205       | Restricted Band of Operation | Compliant |
| §15.207(a)    | Conducted Emission           | N/A       |
| §15.209(a)(f) | Radiated Spurious Emissions  | Compliant |
| §15.249(a)    | Field Strength of Emissions  | Compliant |
| §15.249(d)    | Out of Band Emission         | Compliant |
| §15.215(c)    | Emission Bandwidth           | Compliant |

N/A: Not applicable.

### **3. Antenna Requirements**

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#### **3.1 Standard Applicable**

According to FCC Part 15.203, 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 shall be considered sufficient to comply with the provisions of this section.

#### **3.2 Test Result**

This product has a PCB antenna, fulfill the requirement of this section.

## 4. Radiated Emissions

---

### 4.1 Standard Applicable

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

| Fundamental Frequency | Field strength of fundamental<br>(milli-volts/meter) | Field strength of Harmonics<br>(micro-volts/meter) |
|-----------------------|--|--|
| 902-928MHz            | 50   | 500  |
| 2400-2483.5MHz        | 50   | 500  |
| 5725-5875MHz          | 50   | 500  |
| 24.0-24.25GHz         | 250  | 2500   |

(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

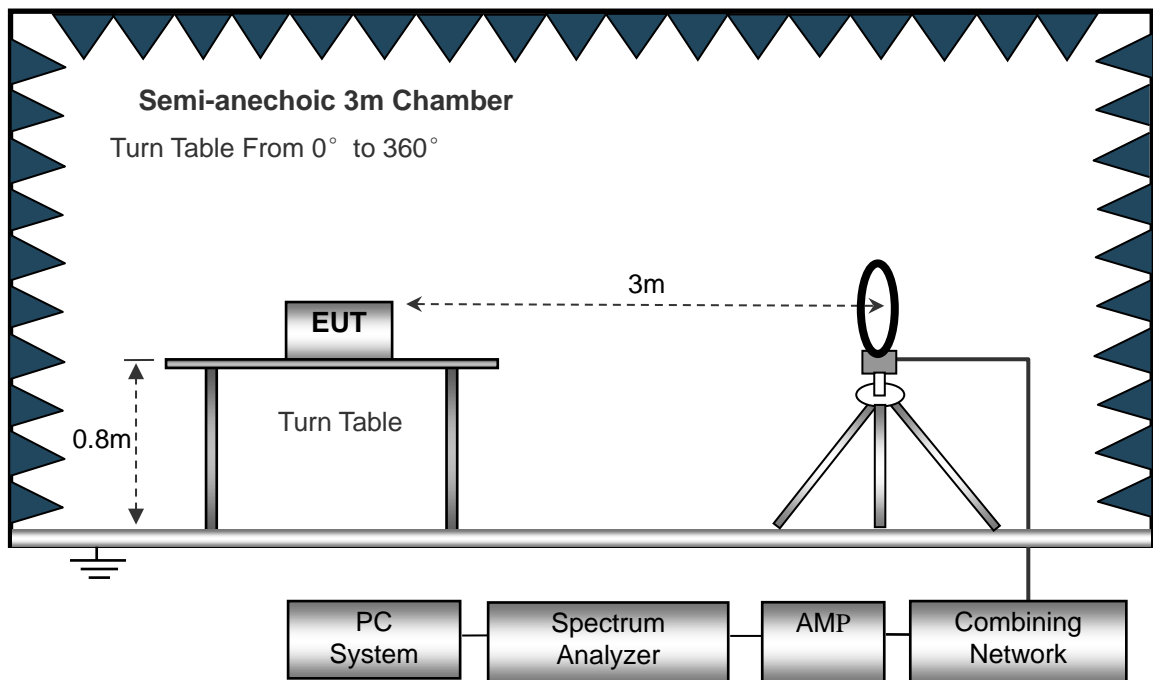
The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements starting below or at the lowest crystal frequency.

### 4.2 Test Procedure

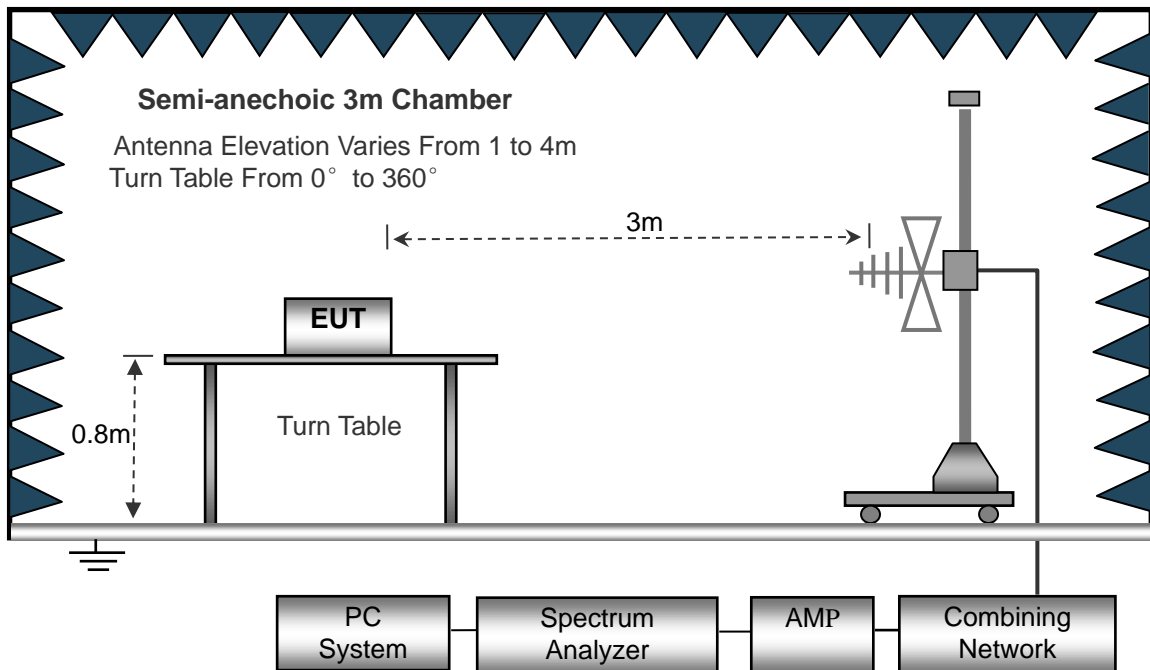
The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.205 15.249(a) and FCC Part 15.209 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

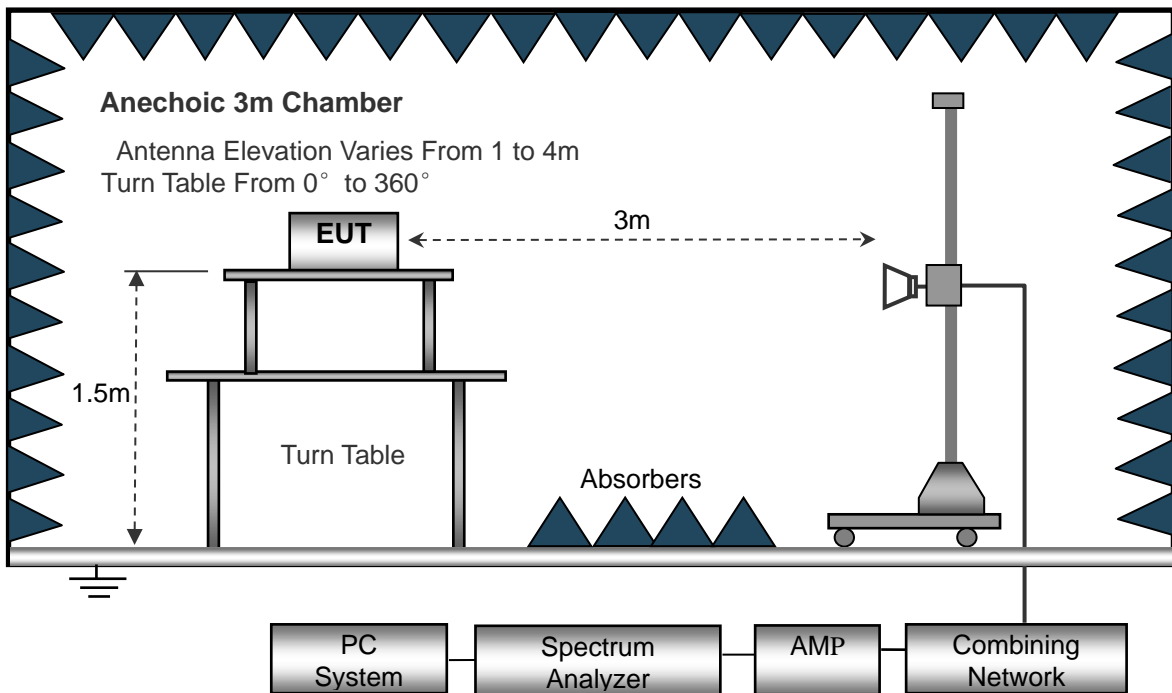
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30MHz to 1GHz.



The test setup for emission measurement above 1GHz.



Frequency :9kHz-30MHz  
 RBW=10KHz,  
 VBW =30KHz  
 Sweep time= Auto  
 Trace = max hold  
 Detector function = peak

Frequency :30MHz-1GHz  
 RBW=120KHz,  
 VBW=300KHz  
 Sweep time= Auto  
 Trace = max hold  
 Detector function = peak, QP

Frequency :Above 1GHz  
 RBW=1MHz,  
 VBW=3MHz(Peak), 10Hz(AV)  
 Sweep time= Auto  
 Trace = max hold  
 Detector function = peak, AV

### 4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Ant. Factor} + \text{Cable Loss} - \text{Ampl. Gain}$$

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dB $\mu$ V means the emission is 6dB $\mu$ V below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Corr. Ampl.} - \text{FCC Part 15C Limit}$$

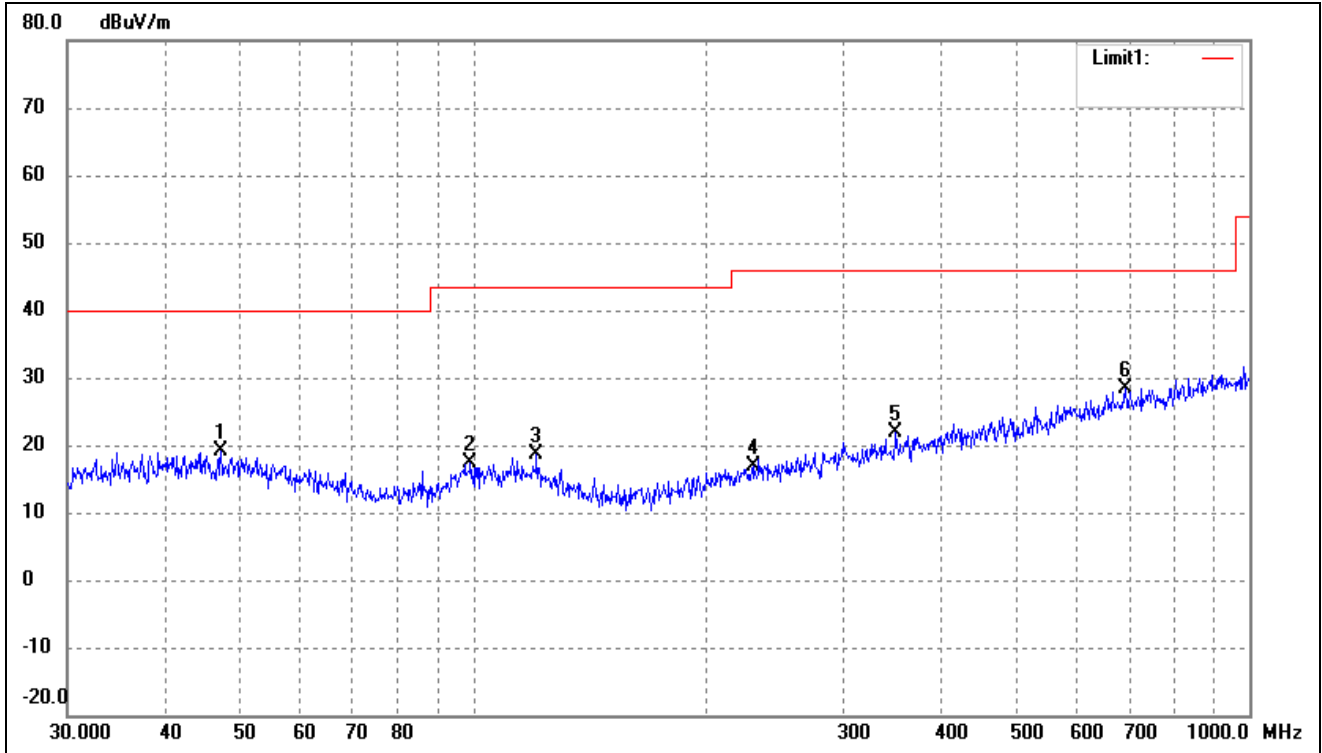
### 4.4 Summary of Test Results/Plots

*Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.*



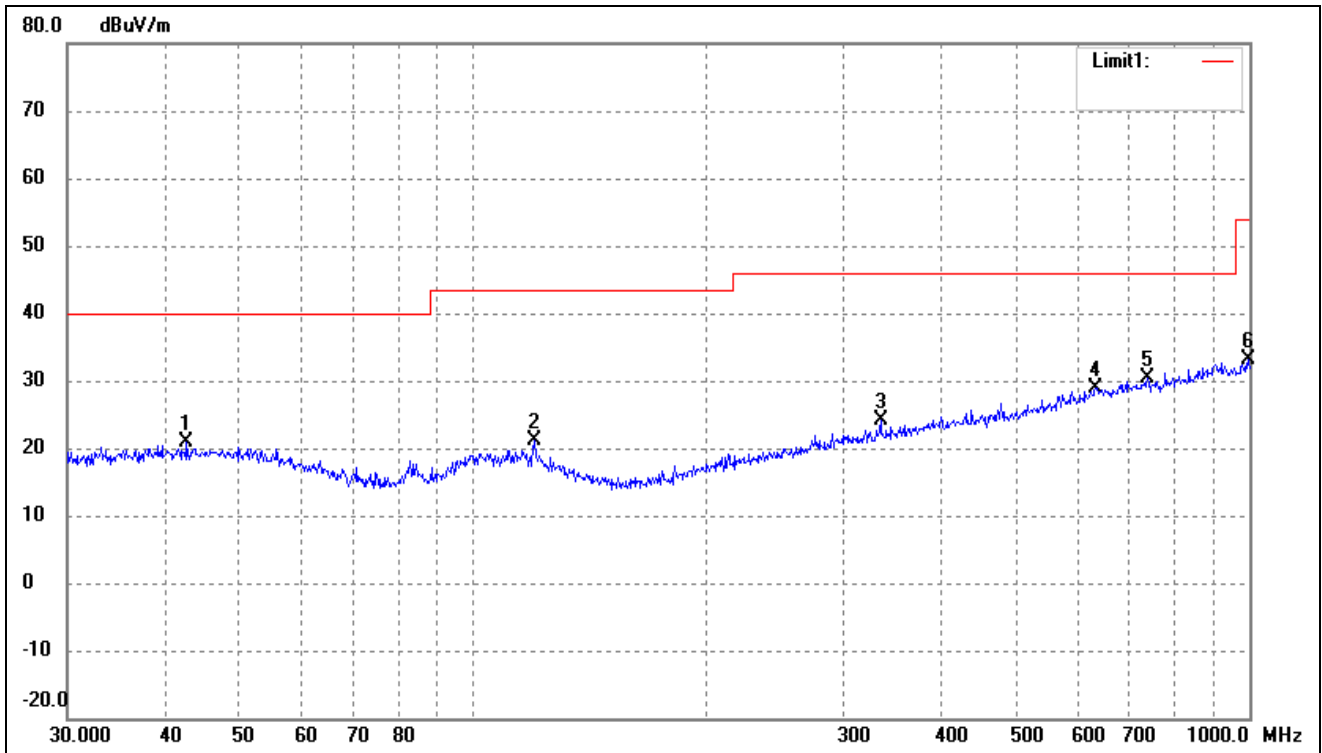
➤ Spurious Emissions Below 1GHz

|              |     |           |            |
|--------------|-----|-----------|------------|
| Test Channel | TM1 | Polarity: | Horizontal |
|--------------|-----|-----------|------------|



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree ( ) | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1   | 47.3255         | 26.34            | -7.26          | 19.08           | 40.00          | -20.92      | -          | -           | peak   |
| 2   | 99.1797         | 25.76            | -8.29          | 17.47           | 43.50          | -26.03      | -          | -           | peak   |
| 3   | 120.6991        | 27.59            | -8.95          | 18.64           | 43.50          | -24.86      | -          | -           | peak   |
| 4   | 230.0985        | 24.29            | -7.39          | 16.90           | 46.00          | -29.10      | -          | -           | peak   |
| 5   | 350.4768        | 25.99            | -4.14          | 21.85           | 46.00          | -24.15      | -          | -           | peak   |
| 6   | 691.9867        | 27.12            | 1.24           | 28.36           | 46.00          | -17.64      | -          | -           | peak   |

|              |     |           |          |
|--------------|-----|-----------|----------|
| Test Channel | TM1 | Polarity: | Vertical |
|--------------|-----|-----------|----------|



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Degree ( ) | Height (cm) | Remark |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|------------|-------------|--------|
| 1   | 42.7496         | 27.94            | -7.17          | 20.77           | 40.00          | -19.23      | -          | -           | peak   |
| 2   | 119.8556        | 29.85            | -8.81          | 21.04           | 43.50          | -22.46      | -          | -           | peak   |
| 3   | 334.8589        | 28.63            | -4.41          | 24.22           | 46.00          | -21.78      | -          | -           | peak   |
| 4   | 633.9073        | 28.54            | 0.34           | 28.88           | 46.00          | -17.12      | -          | -           | peak   |
| 5   | 739.6605        | 28.59            | 1.72           | 30.31           | 46.00          | -15.69      | -          | -           | peak   |
| 6   | 996.4996        | 28.36            | 4.71           | 33.07           | 54.00          | -20.93      | -          | -           | peak   |

Remark: '-' Means the test Degree and Height are not recorded by the test software and only show the worst case in the test report.

*Spurious Emissions Above 1GHz*

| Frequency<br>(MHz) | Reading<br>(dBuV/m) | Correct<br>dB/m | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Polar<br>H/V | Detector |
|--------------------|---------------------|-----------------|--------------------|-------------------|----------------|--------------|----------|
| 5817.3             | 92.16               | -0.62           | 91.54              | 114               | -22.46         | H            | PK       |
| 5817.3             | 89.96               | -0.62           | 89.34              | 94                | -4.66          | H            | AV       |
| 11634.6            | 42.60               | 5.39            | 47.99              | 74                | -26.01         | H            | PK       |
| 11634.6            | 40.58               | 5.39            | 45.97              | 54                | -8.03          | H            | AV       |
| 17451.9            | 37.37               | 11.03           | 48.40              | 74                | -25.60         | H            | PK       |
| 17451.9            | 35.51               | 11.03           | 46.54              | 54                | -7.46          | H            | AV       |
| 5817.3             | 90.68               | -0.62           | 90.06              | 114               | -23.94         | V            | PK       |
| 5817.3             | 88.66               | -0.62           | 88.04              | 94                | -5.96          | V            | AV       |
| 11634.6            | 42.85               | 5.39            | 48.24              | 74                | -25.76         | V            | PK       |
| 11634.6            | 41.45               | 5.39            | 46.84              | 54                | -7.16          | V            | AV       |
| 17451.9            | 39.76               | 11.03           | 50.79              | 74                | -23.21         | V            | PK       |
| 17451.9            | 37.22               | 11.03           | 48.25              | 54                | -5.75          | V            | AV       |

*Note: Testing is carried out with frequency rang 9kHz to the tenth harmonics, which above 5<sup>th</sup> Harmonics are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured. The measurements greater than 20dB below the limit from 9kHz to 30MHz..*

## 5. Out of Band Emissions

---

### 5.1 Standard Applicable

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

### 5.2 Test Procedure

As the radiation test, set the Lowest and Highest Transmitting Channel, observed the outside band of 2400MHz to 2483.5MHz, than mark the higher-level emission for comparing with the FCC rules.

### 5.3 Summary of Test Results/Plots

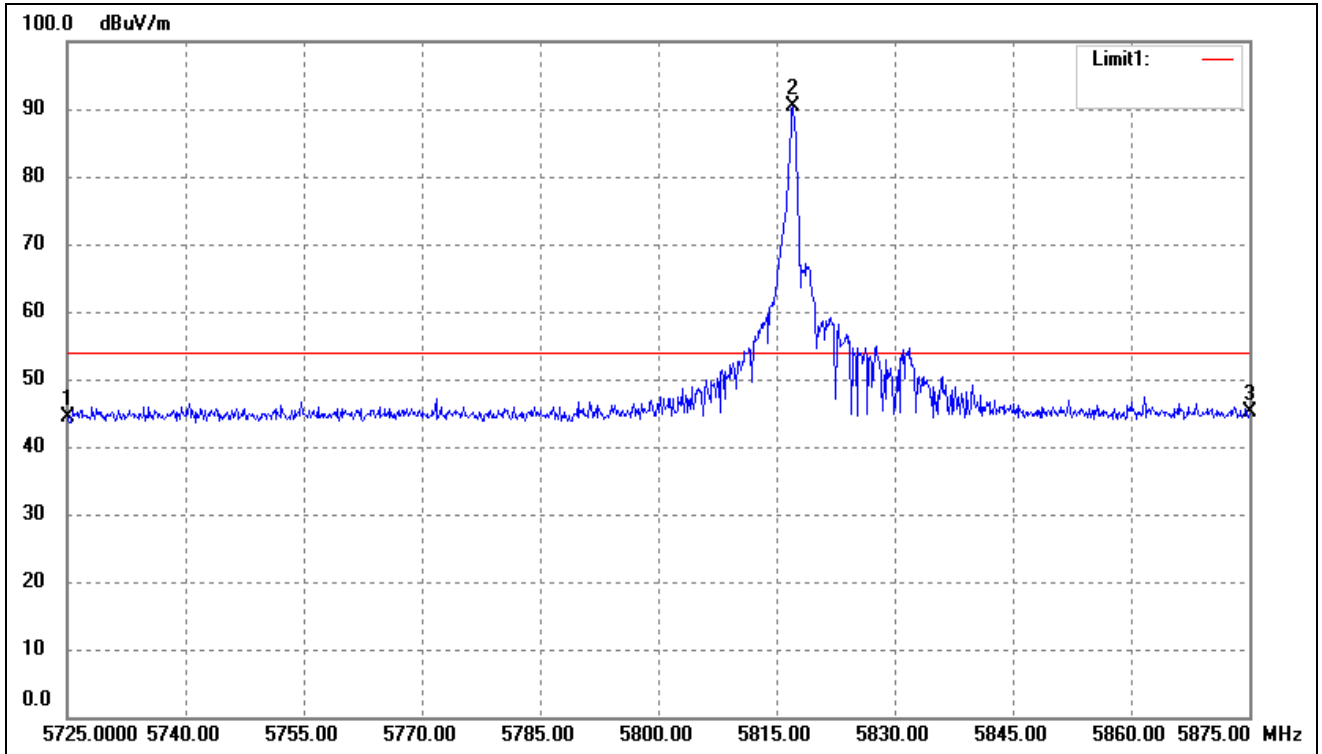
*Note: this EUT was tested in 3 orthogonal positions and the worst case position data was reported.*

Please refer to the test plots as below.

Band edge

RBW: 100kHz; VBW: 300kHz

|              |     |           |                       |
|--------------|-----|-----------|-----------------------|
| Test Channel | TM1 | Polarity: | Vertical (worst case) |
|--------------|-----|-----------|-----------------------|



| No. | Frequency (MHz) | Reading (dBuV/m) | Correct (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark        |
|-----|-----------------|------------------|----------------|-----------------|----------------|-------------|---------------|
| 1   | 5725.000        | 45.29            | -0.91          | 44.38           | 54.00          | -9.62       | Peak Detector |
| 2   | 5817.100        | 90.99            | -0.62          | 90.37           | /              | /           | Peak Detector |
| 3   | 5875.000        | 45.49            | -0.43          | 45.06           | 54.00          | -8.94       | Peak Detector |

## 6. Emission Bandwidth

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### 6.1 Standard Applicable

According to 15.215(c), intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

### 6.2 Test Procedure

According to the ANSI 63.10-2013, the emission bandwidth test method as follows.

Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.

Set span = 1MHz, centered on a transmitting channel

RBW  $\geq$ 1% 20dB Bandwidth, VBW  $\geq$ RBW

Sweep = auto

Detector function = peak

Trace = max hold

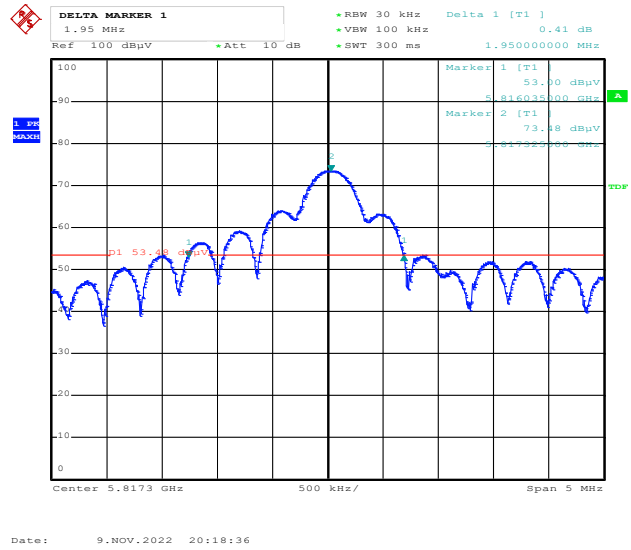
All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down and 99% bandwidth of the emission.

### 6.3 Summary of Test Results/Plots

| Frequency(MHz) | 20dB Bandwidth(MHz) |
|----------------|---------------------|
| 5817.3         | 1.95                |

*Please refer to the following test plots:*

5817.3MHz



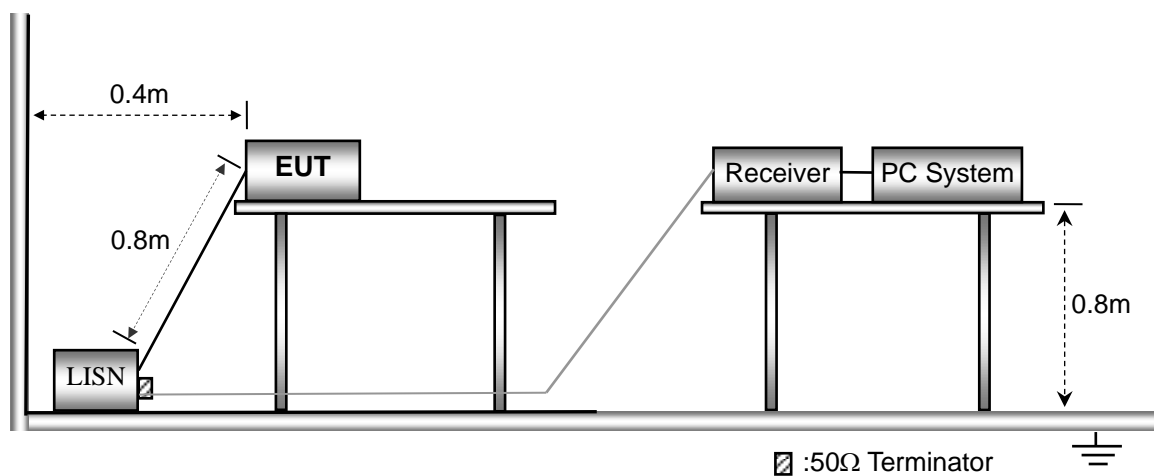
## 7. Conducted Emissions

### 7.1 Test Procedure

The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40cm long in the middle. The spacing between the peripherals was 10cm.

### 7.2 Basic Test Setup Block Diagram



### 7.3 Test Receiver Setup

During the conducted emission test, the test receiver was set with the following configurations:

|                                    |        |
|------------------------------------|--------|
| Start Frequency .....              | 150kHz |
| Stop Frequency .....               | 30MHz  |
| Sweep Speed .....                  | Auto   |
| IF Bandwidth.....                  | 10kHz  |
| Quasi-Peak Adapter Bandwidth ..... | 9kHz   |
| Quasi-Peak Adapter Mode .....      | Normal |

### 7.4 Summary of Test Results/Plots

Not applicable



## APPENDIX PHOTOGRAPHS

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Please refer to “ANNEX”

\*\*\*\* END OF REPORT \*\*\*\*