

# FCC REPORT

## (WIFI)

**Applicant:** SHENZHEN EVIEW GPS TECHNOLOGY

**Address of Applicant:** Rm 201, building 1-A, NankechuangYuangu, Dalang, Longhua District, Shenzhen, China

**Equipment Under Test (EUT)**

Product Name: Personal Mobile Alarm System

Model No.: EV-04

**FCC ID:** 2AUMJEV-04-LTE

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

**Date of sample receipt:** 28 Jun., 2020

**Date of Test:** 29 Jun., to 30 Jul., 2020

**Date of report issued:** 31 Jul., 2020

**Test Result:** PASS\*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Bruce Zhang  
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

## 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 31 Jul., 2020 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

Tested by:

*Yaro Wu*

Test Engineer

Date:

31 Jul., 2020

Reviewed by:

*Winner Zhang*

Project Engineer

Date:

31 Jul., 2020

### 3 Contents

Page

|       |                                                              |    |
|-------|--------------------------------------------------------------|----|
| 1     | COVER PAGE.....                                              | 1  |
| 2     | VERSION .....                                                | 2  |
| 3     | CONTENTS .....                                               | 3  |
| 4     | TEST SUMMARY .....                                           | 4  |
| 5     | GENERAL INFORMATION.....                                     | 5  |
| 5.1   | CLIENT INFORMATION.....                                      | 5  |
| 5.2   | GENERAL DESCRIPTION OF E.U.T.....                            | 5  |
| 5.3   | TEST ENVIRONMENT AND MODE, AND TEST SAMPLES PLANS .....      | 6  |
| 5.4   | DESCRIPTION OF SUPPORT UNITS.....                            | 6  |
| 5.5   | MEASUREMENT UNCERTAINTY.....                                 | 6  |
| 5.6   | ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD..... | 6  |
| 5.7   | LABORATORY FACILITY.....                                     | 6  |
| 5.8   | LABORATORY LOCATION .....                                    | 6  |
| 5.9   | TEST INSTRUMENTS LIST.....                                   | 7  |
| 6     | TEST RESULTS AND MEASUREMENT DATA .....                      | 8  |
| 6.1   | ANTENNA REQUIREMENT .....                                    | 8  |
| 6.2   | CONDUCTED EMISSION .....                                     | 9  |
| 6.3   | CONDUCTED OUTPUT POWER .....                                 | 12 |
| 6.4   | OCCUPY BANDWIDTH .....                                       | 15 |
| 6.5   | POWER SPECTRAL DENSITY .....                                 | 20 |
| 6.6   | BAND EDGE .....                                              | 23 |
| 6.6.1 | Conducted Emission Method.....                               | 23 |
| 6.6.2 | Radiated Emission Method.....                                | 26 |
| 6.7   | SPURIOUS EMISSION.....                                       | 43 |
| 6.7.1 | Conducted Emission Method.....                               | 43 |
| 6.7.2 | Radiated Emission Method.....                                | 46 |
| 7     | TEST SETUP PHOTO .....                                       | 54 |
| 8     | EUT CONSTRUCTIONAL DETAILS .....                             | 55 |

## 4 Test Summary

| Test Items                                                                                                                                                                                                                                                                                                            | Section in CFR 47                                              | Result |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------|
| Antenna requirement                                                                                                                                                                                                                                                                                                   | 15.203&15.247 (b)                                              | Pass   |
| AC Power Line Conducted Emission                                                                                                                                                                                                                                                                                      | 15.207                                                         | Pass   |
| Conducted Peak Output Power                                                                                                                                                                                                                                                                                           | 15.247 (b)(3)                                                  | Pass   |
| 6dB Emission Bandwidth<br>99% Occupied Bandwidth                                                                                                                                                                                                                                                                      | 15.247 (a)(2)                                                  | Pass   |
| Power Spectral Density                                                                                                                                                                                                                                                                                                | 15.247 (e)                                                     | Pass   |
| Band Edge                                                                                                                                                                                                                                                                                                             | 15.247(d)                                                      | Pass   |
| Spurious Emission                                                                                                                                                                                                                                                                                                     | 15.205&15.209                                                  | Pass   |
| <b>Remark:</b><br><ol style="list-style-type: none"><li>1. Pass: The EUT complies with the essential requirements in the standard.</li><li>2. N/A:Not Applicable.</li><li>3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).</li></ol> |                                                                |        |
| <b>Test Method:</b>                                                                                                                                                                                                                                                                                                   | ANSI C63.10-2013<br>KDB 558074 D01 15.247 Meas Guidance v05r02 |        |

## 5 General Information

### 5.1 Client Information

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| Applicant:             | SHENZHEN EVIEW GPS TECHNOLOGY                                                      |
| Address:               | Rm 201, building 1-A, NankechuangYuangu, Dalang, Longhua District, Shenzhen, China |
| Manufacturer/ Factory: | SHENZHEN EVIEW GPS TECHNOLOGY                                                      |
| Address:               | Rm 201, building 1-A, NankechuangYuangu, Dalang, Longhua District, Shenzhen, China |

### 5.2 General Description of E.U.T.

|                                                  |                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------|
| Product Name:                                    | Personal Mobile Alarm System                                                            |
| Model No.:                                       | EV-04                                                                                   |
| Operation Frequency:                             | 2412MHz~2462MHz (802.11b/802.11g/802.11n(HT20))<br>2422MHz~2452MHz (802.11n(HT40))      |
| Channel numbers:                                 | 11 for 802.11b/802.11g/802.11(HT20)<br>7 for 802.11n(HT40)                              |
| Channel separation:                              | 5MHz                                                                                    |
| Modulation technology:<br>(IEEE 802.11b)         | Direct Sequence Spread Spectrum (DSSS)                                                  |
| Modulation technology:<br>(IEEE 802.11g/802.11n) | Orthogonal Frequency Division Multiplexing(OFDM)                                        |
| Data speed (IEEE 802.11b):                       | 1Mbps, 2Mbps, 5.5Mbps, 11Mbps                                                           |
| Data speed (IEEE 802.11g):                       | 6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps,54Mbps                             |
| Data speed (IEEE 802.11n):                       | Up to 150Mbps                                                                           |
| Antenna Type:                                    | Internal Antenna                                                                        |
| Antenna gain:                                    | -0.87dBi                                                                                |
| Power supply:                                    | Rechargeable Li-ion Battery DC3.8V-950mAh                                               |
| AC adapter:                                      | Model: MLF-A00060501000U0021<br>Input: AC100-240V, 50/60Hz,0.18A<br>Output: DC 5.0V, 1A |
| Test Sample Condition:                           | The test samples were provided in good working order with no visible defects.           |

| Operation Frequency each of channel for 802.11b/g/n(HT20)                                                                                                                                                                                            |           |         |           |         |           |         |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
| Channel                                                                                                                                                                                                                                              | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
| 1                                                                                                                                                                                                                                                    | 2412MHz   | 4       | 2427MHz   | 7       | 2442MHz   | 10      | 2457MHz   |
| 2                                                                                                                                                                                                                                                    | 2417MHz   | 5       | 2432MHz   | 8       | 2447MHz   | 11      | 2462MHz   |
| 3                                                                                                                                                                                                                                                    | 2422MHz   | 6       | 2437MHz   | 9       | 2452MHz   |         |           |
| Note:<br>1. For 802.11n-HT40 mode, the channel number is from 3 to 9;<br>2. Channel 1, 6 & 11 selected for 802.11b/g/n-HT20 as Lowest, Middle and Highest channel. Channel 3, 6 & 9 selected for 802.11n-HT40 as Lowest, Middle and Highest Channel. |           |         |           |         |           |         |           |

### 5.3 Test environment and mode, and test samples plans

| Operating Environment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Temperature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 24.0 °C                                                 |
| Humidity:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 54 % RH                                                 |
| Atmospheric Pressure:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1010 mbar                                               |
| Test mode:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |
| Transmitting mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Keep the EUT in continuous transmitting with modulation |
| <p>Radiated Emission: The sample was placed 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.</p> <p>We have 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:</p> |                                                         |
| Per-scan all kind of data rate, the follow list were the worst case.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |
| Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Data rate                                               |
| 802.11b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1Mbps                                                   |
| 802.11g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6Mbps                                                   |
| 802.11n(HT20)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6.5Mbps                                                 |
| 802.11n(HT40)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13.5Mbps                                                |

### 5.4 Description of Support Units

The EUT has been tested as an independent unit.

### 5.5 Measurement Uncertainty

| Parameters                          | Expanded Uncertainty |
|-------------------------------------|----------------------|
| Conducted Emission (9kHz ~ 30MHz)   | ±1.60 dB (k=2)       |
| Radiated Emission (9kHz ~ 30MHz)    | ±3.12 dB (k=2)       |
| Radiated Emission (30MHz ~ 1000MHz) | ±4.32 dB (k=2)       |
| Radiated Emission (1GHz ~ 18GHz)    | ±5.16 dB (k=2)       |
| Radiated Emission (18GHz ~ 40GHz)   | ±3.20 dB (k=2)       |

### 5.6 Additions to, deviations, or exclusions from the method

No

### 5.7 Laboratory Facility

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

● **FCC - Designation No.: CN1211**

Shenzhen ZhongjianNanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber of Shenzhen ZhongjianNanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

### 5.8 Laboratory Location

Shenzhen ZhongjianNanfang Testing Co., Ltd.  
 Address: No.110~116, Building B, Jinyuan Business Building, Xixiang Road,  
 Bao'an District, Shenzhen, Guangdong, China  
 Tel: +86-755-23118282, Fax: +86-755-23116366  
 Email: info@ccis-cb.com, Website: <http://www.ccis-cb.com>

## 5.9 Test Instruments list

| Radiated Emission: |                 |               |                   |                        |                            |
|--------------------|-----------------|---------------|-------------------|------------------------|----------------------------|
| Test Equipment     | Manufacturer    | Model No.     | Serial No.        | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |
| 3m SAC             | SAEMC           | 9m*6m*6m      | 966               | 07-22-2017             | 07-21-2020                 |
|                    |                 |               |                   | 07-22-2020             | 07-21-2021                 |
| Loop Antenna       | SCHWARZBECK     | FMZB1519B     | 044               | 03-07-2020             | 03-06-2021                 |
| BiConiLog Antenna  | SCHWARZBECK     | VULB9163      | 497               | 03-07-2020             | 03-06-2021                 |
| Horn Antenna       | SCHWARZBECK     | BBHA9120D     | 916               | 03-07-2020             | 03-06-2021                 |
| Horn Antenna       | SCHWARZBECK     | BBHA9120D     | 1805              | 06-22-2020             | 06-21-2021                 |
| Horn Antenna       | SCHWARZBECK     | BBHA 9170     | BBHA9170582       | 11-18-2019             | 11-17-2020                 |
| EMI Test Software  | AUDIX           | E3            | Version:6.110919b |                        |                            |
| Pre-amplifier      | HP              | 8447D         | 2944A09358        | 03-07-2020             | 03-06-2021                 |
| Pre-amplifier      | CD              | PAP-1G18      | 11804             | 03-07-2020             | 03-06-2021                 |
| Spectrum analyzer  | Rohde & Schwarz | FSP30         | 101454            | 03-05-2020             | 03-04-2021                 |
| Spectrum analyzer  | Rohde & Schwarz | FSP40         | 100363            | 11-18-2019             | 11-17-2020                 |
| EMI Test Receiver  | Rohde & Schwarz | ESRP7         | 101070            | 03-05-2020             | 03-04-2021                 |
| Cable              | ZDECL           | Z108-NJ-NJ-81 | 1608458           | 03-07-2020             | 03-06-2021                 |
| Cable              | MICRO-COAX      | MFR64639      | K10742-5          | 03-07-2020             | 03-06-2021                 |
| Cable              | SUHNER          | SUCOFLEX100   | 58193/4PE         | 03-07-2020             | 03-06-2021                 |
| RF Switch Unit     | MWRFTTEST       | MW200         | N/A               | N/A                    | N/A                        |
| Test Software      | MWRFTTEST       | MTS8200       | Version: 2.0.0.0  |                        |                            |

| Conducted Emission: |                 |            |                   |                        |                            |
|---------------------|-----------------|------------|-------------------|------------------------|----------------------------|
| Test Equipment      | Manufacturer    | Model No.  | Serial No.        | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |
| EMI Test Receiver   | Rohde & Schwarz | ESCI       | 101189            | 03-05-2020             | 03-04-2021                 |
| Pulse Limiter       | SCHWARZBECK     | OSRAM 2306 | 9731              | 03-05-2020             | 03-04-2021                 |
| LISN                | CHASE           | MN2050D    | 1447              | 03-05-2020             | 03-04-2021                 |
| LISN                | Rohde & Schwarz | ESH3-Z5    | 8438621/010       | 07-21-2017             | 07-20-2020                 |
|                     |                 |            |                   | 07-21-2020             | 07-20-2021                 |
| Cable               | HP              | 10503A     | N/A               | 03-05-2020             | 03-04-2021                 |
| EMI Test Software   | AUDIX           | E3         | Version:6.110919b |                        |                            |

## 6 Test results and Measurement Data

### 6.1 Antenna requirement

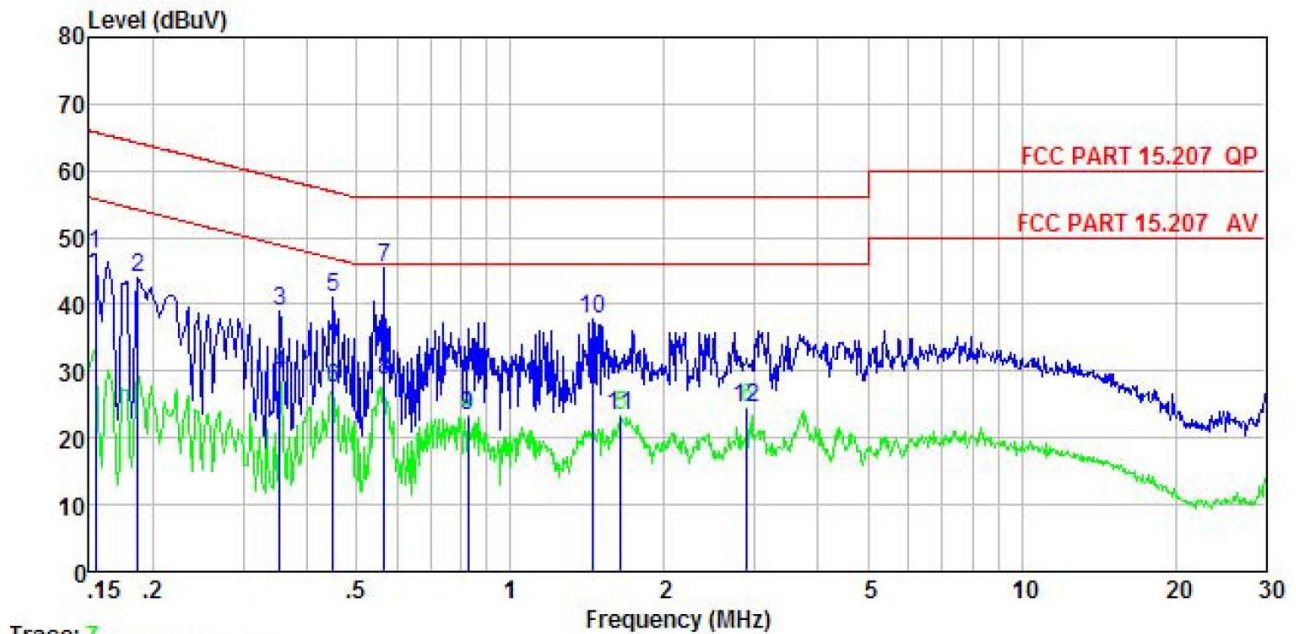
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Standard requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | FCC Part15 C Section 15.203 /247(b) |
| <p>15.203 requirement:<br/>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>15.247(b) (4) requirement:<br/>(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.</p> |                                     |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |
| The Wi-Fi antenna is an Internal antenna which cannot replace by end-user, the best case gain of the antenna is -0.87dBi.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |

## 6.2 Conducted Emission

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| Test Requirement:     | FCC Part15 C Section 15.207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |           |
| Test Frequency Range: | 150kHz to 30MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |           |
| Class / Severity:     | Class B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |              |           |
| Receiver setup:       | RBW=9kHz, VBW=30kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |           |
| Limit:                | Frequency range (MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit (dBuV) |           |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quasi-peak   | Average   |
|                       | 0.15-0.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 66 to 56*    | 56 to 46* |
|                       | 0.5-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 56           | 46        |
|                       | 5-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 60           | 50        |
|                       | * Decreases with the logarithm of the frequency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |           |
| Test procedure        | <ol style="list-style-type: none"> <li>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10(latest version) on conducted measurement.</li> </ol> |              |           |
| Test setup:           |  <p>Remark:<br/> E.U.T: Equipment Under Test<br/> LISN: Line Impedance Stabilization Network<br/> Test table height=0.8m</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |           |
| Test Instruments:     | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |           |
| Test mode:            | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |           |
| Test results:         | Passed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |           |

## Measurement Data:

|                 |                              |                |                       |
|-----------------|------------------------------|----------------|-----------------------|
| Product name:   | Personal Mobile Alarm System | Product model: | EV-04                 |
| Test by:        | Yaro                         | Test mode:     | Wi-Fi Tx mode         |
| Test frequency: | 150 kHz ~ 30 MHz             | Phase:         | Line                  |
| Test voltage:   | AC 120 V/60 Hz               | Environment:   | Temp: 22.5℃ Humi: 55% |

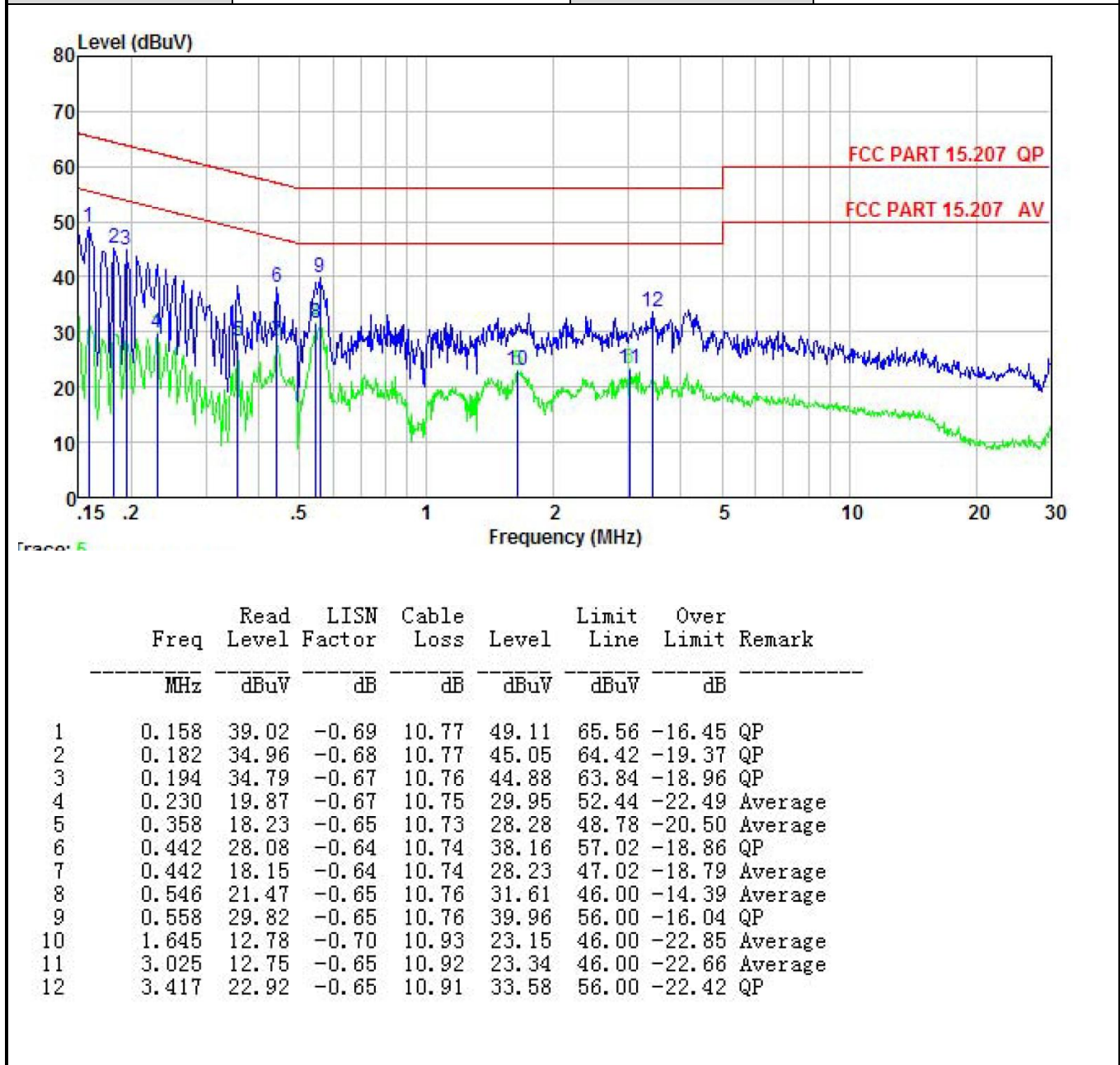


|    | Freq  | Read Level | LISN Factor | Cable Loss | Level | Limit Line | Over Limit | Remark  |
|----|-------|------------|-------------|------------|-------|------------|------------|---------|
|    | MHz   | dBuV       | dB          | dB         | dBuV  | dBuV       | dB         |         |
| 1  | 0.154 | 37.36      | -0.57       | 10.78      | 47.51 | 65.78      | -18.27     | QP      |
| 2  | 0.186 | 33.93      | -0.59       | 10.76      | 43.97 | 64.20      | -20.23     | QP      |
| 3  | 0.354 | 28.75      | -0.51       | 10.73      | 39.11 | 58.87      | -19.76     | QP      |
| 4  | 0.354 | 19.01      | -0.51       | 10.73      | 29.37 | 48.87      | -19.50     | Average |
| 5  | 0.449 | 30.69      | -0.45       | 10.74      | 41.00 | 56.89      | -15.89     | QP      |
| 6  | 0.449 | 17.13      | -0.45       | 10.74      | 27.44 | 46.89      | -19.45     | Average |
| 7  | 0.567 | 35.40      | -0.47       | 10.76      | 45.32 | 56.00      | -10.68     | QP      |
| 8  | 0.567 | 18.63      | -0.47       | 10.76      | 28.55 | 46.00      | -17.45     | Average |
| 9  | 0.826 | 13.04      | -0.57       | 10.82      | 23.28 | 46.00      | -22.72     | Average |
| 10 | 1.449 | 27.35      | -0.56       | 10.92      | 37.76 | 56.00      | -18.24     | QP      |
| 11 | 1.645 | 12.91      | -0.54       | 10.93      | 23.20 | 46.00      | -22.80     | Average |
| 12 | 2.900 | 14.23      | -0.44       | 10.92      | 24.49 | 46.00      | -21.51     | Average |

## Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

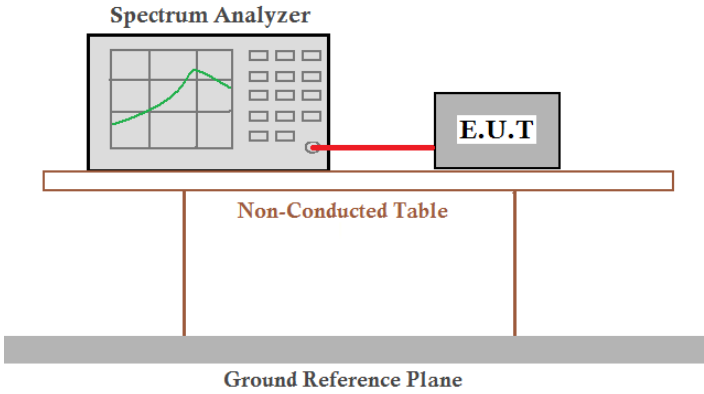
|                 |                              |                |                        |
|-----------------|------------------------------|----------------|------------------------|
| Product name:   | Personal Mobile Alarm System | Product model: | EV-04                  |
| Test by:        | Yaro                         | Test mode:     | Wi-Fi Tx mode          |
| Test frequency: | 150 kHz ~ 30 MHz             | Phase:         | Neutral                |
| Test voltage:   | AC 120 V/60 Hz               | Environment:   | Temp: 22.5°C Humi: 55% |



## Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.

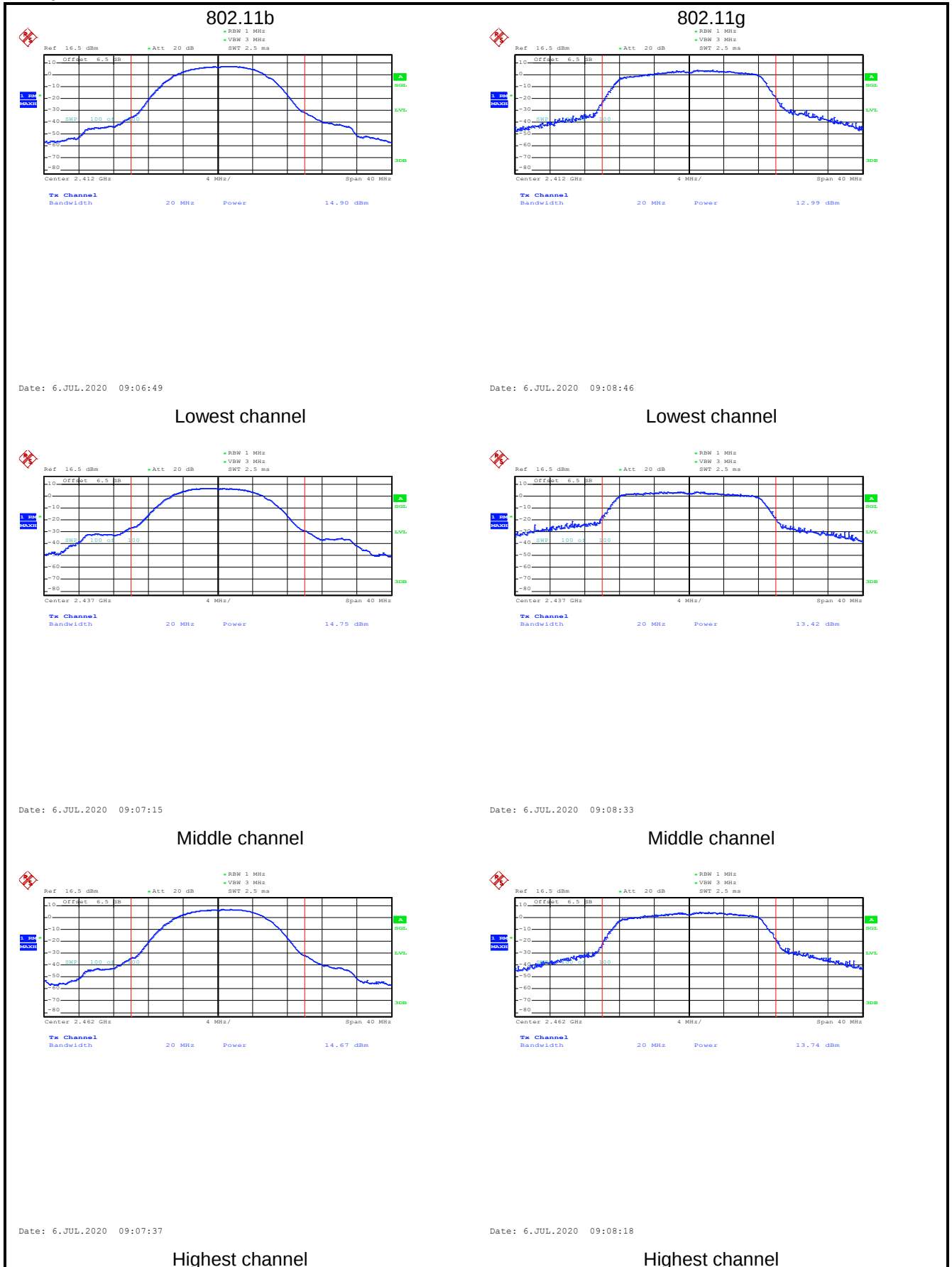
### 6.3 Conducted Output Power

|                   |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (b)(3)                                                                                                                                                                                                                                                                                                                         |
| Limit:            | 30dBm                                                                                                                                                                                                                                                                                                                                                      |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                           |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                           |
| Test results:     | Passed                                                                                                                                                                                                                                                                                                                                                     |

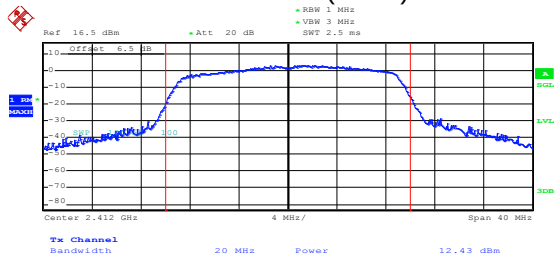
#### Measurement Data:

| Test CH | Maximum Conducted Output Power (dBm) |         |               |               | Limit(dBm) | Result |
|---------|--------------------------------------|---------|---------------|---------------|------------|--------|
|         | 802.11b                              | 802.11g | 802.11n(HT20) | 802.11n(HT40) |            |        |
| Lowest  | 14.90                                | 12.99   | 12.43         | 12.14         | 30.00      | Pass   |
| Middle  | 14.75                                | 13.42   | 12.54         | 12.42         |            |        |
| Highest | 14.67                                | 13.74   | 12.60         | 12.14         |            |        |

Test plot as follows:

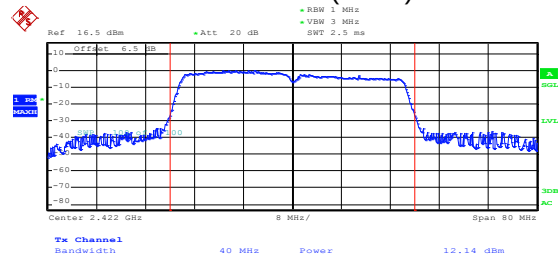


## 802.11n(HT20)



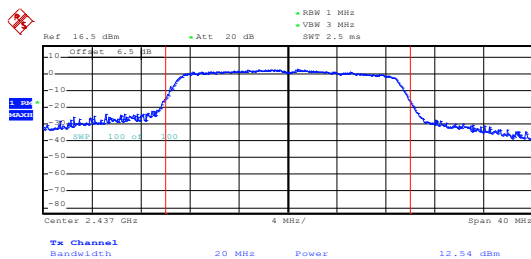
Date: 6.JUL.2020 09:11:28

## 802.11n(HT40)



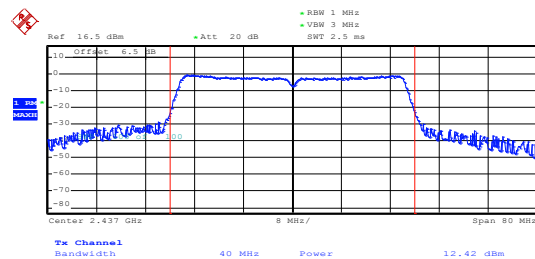
Date: 9.JUL.2020 19:49:04

## Lowest channel



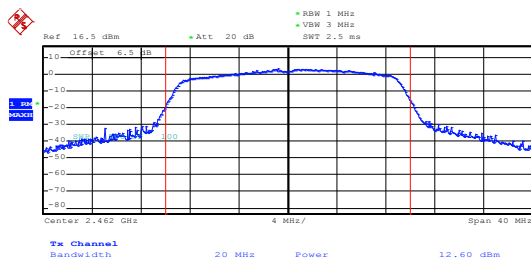
Date: 6.JUL.2020 09:10:59

## Lowest channel



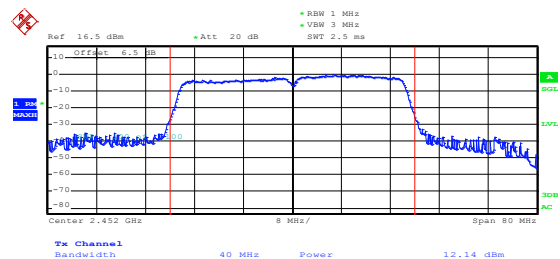
Date: 9.JUL.2020 19:49:40

## Middle channel



Date: 6.JUL.2020 09:11:13

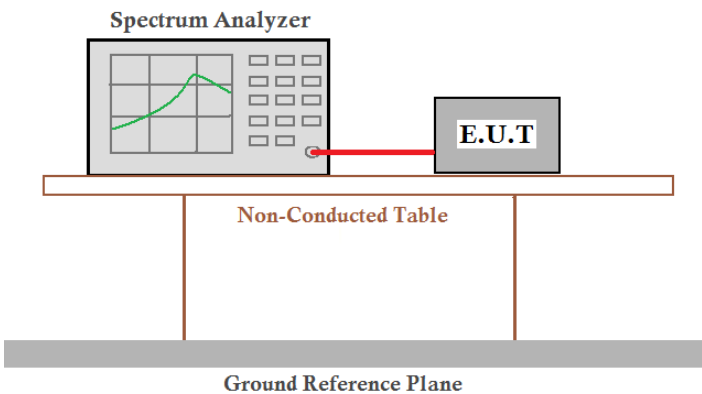
## Middle channel



Date: 9.JUL.2020 19:50:02

## Highest channel

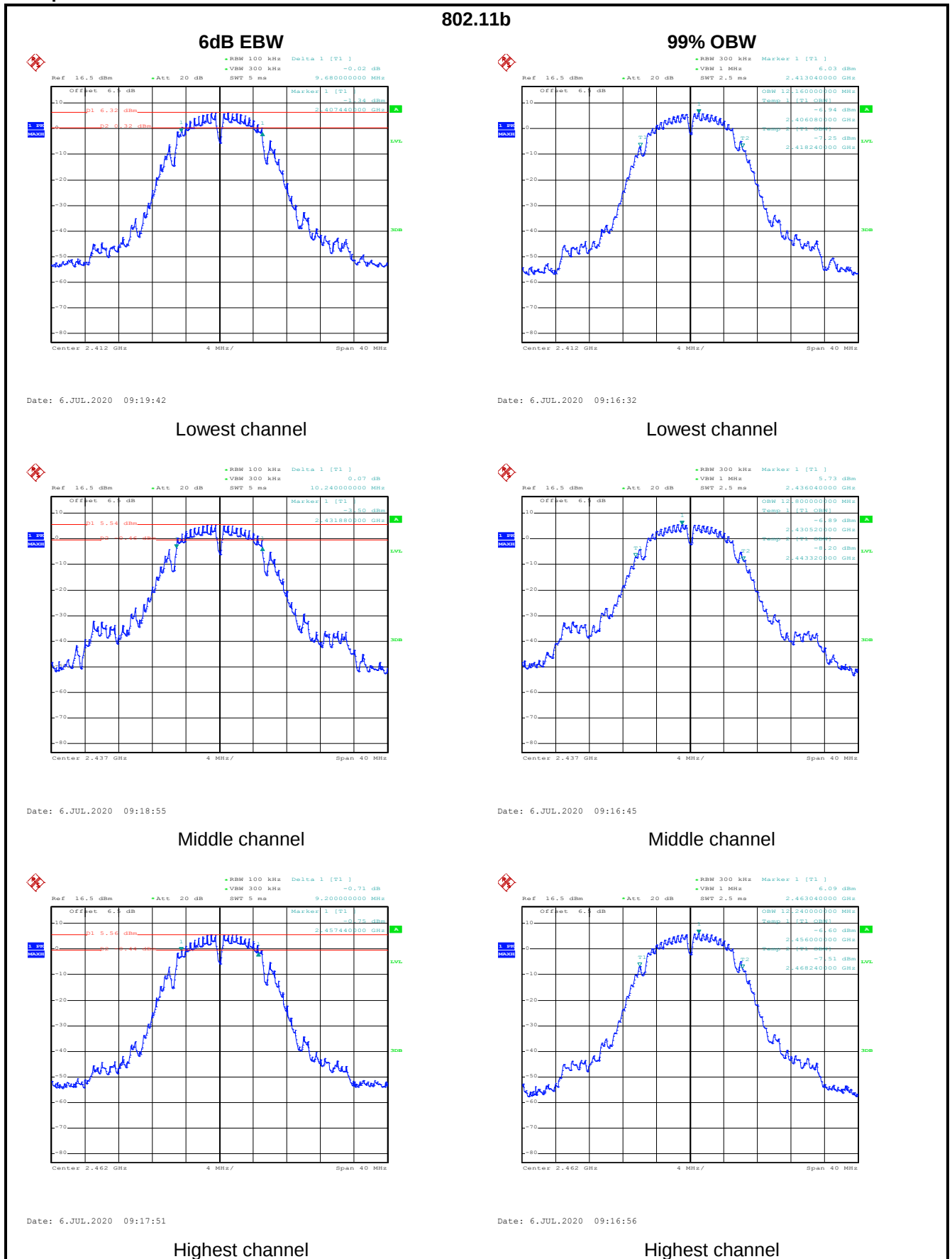
## 6.4 Occupy Bandwidth

|                   |                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (a)(2)                                                                                                                                                                                                                                                                                                                |
| Limit:            | >500kHz                                                                                                                                                                                                                                                                                                                                           |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                  |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                  |
| Test results:     | Passed                                                                                                                                                                                                                                                                                                                                            |

### Measurement Data:

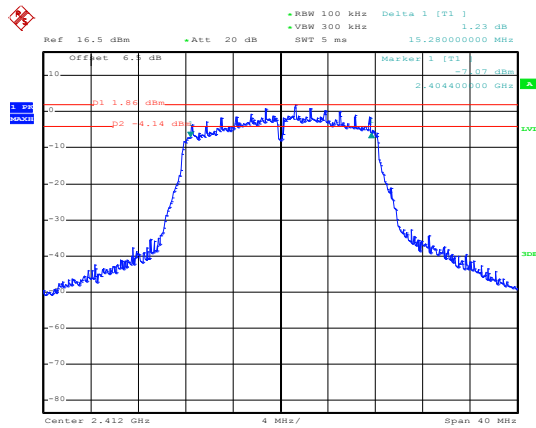
| Test CH | 6dB Emission Bandwidth (MHz) |         |               |               | Limit(kHz) | Result |
|---------|------------------------------|---------|---------------|---------------|------------|--------|
|         | 802.11b                      | 802.11g | 802.11n(HT20) | 802.11n(HT40) |            |        |
| Lowest  | 9.68                         | 15.28   | 15.28         | 35.84         | >500       | Pass   |
| Middle  | 10.24                        | 15.92   | 16.56         | 36.80         |            |        |
| Highest | 9.20                         | 15.28   | 15.28         | 35.68         |            |        |
| Test CH | 99%Occupy Bandwidth (MHz)    |         |               |               | Limit(kHz) | Result |
|         | 802.11b                      | 802.11g | 802.11n(HT20) | 802.11n(HT40) |            |        |
| Lowest  | 12.16                        | 16.64   | 17.52         | 36.64         | N/A        | N/A    |
| Middle  | 12.80                        | 16.96   | 17.84         | 37.28         |            |        |
| Highest | 12.24                        | 16.56   | 17.60         | 36.48         |            |        |

Test plot as follows:



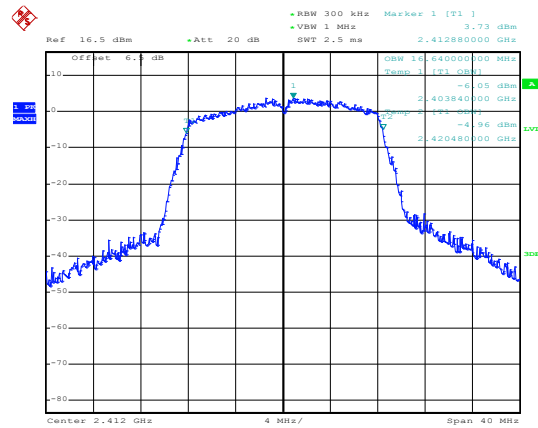
## 802.11g

## 6dB EBW



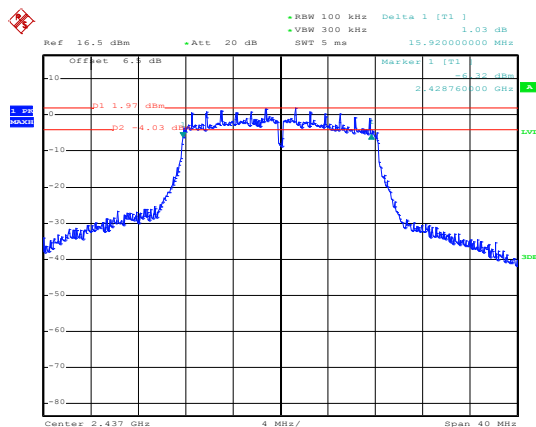
Date: 6.JUL.2020 09:21:01

## 99% OBW



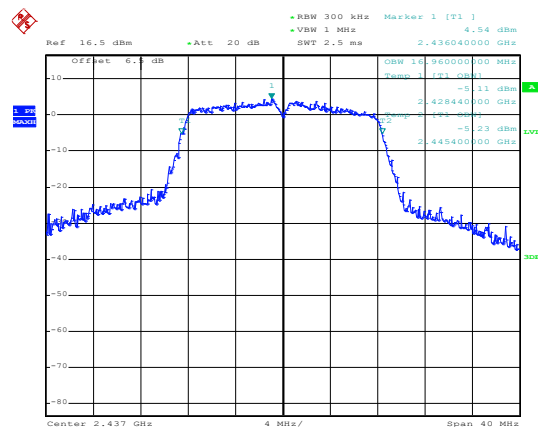
Date: 6.JUL.2020 09:16:09

## Lowest channel



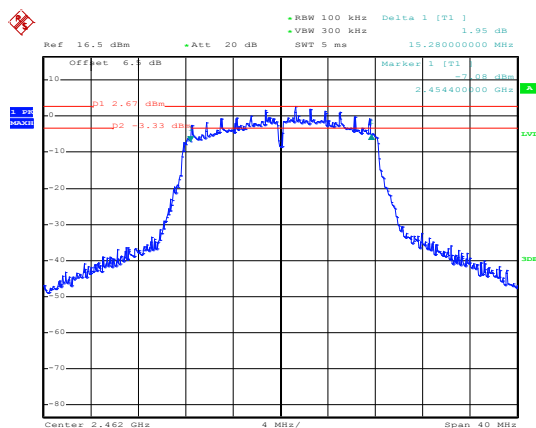
Date: 6.JUL.2020 09:25:56

## Lowest channel



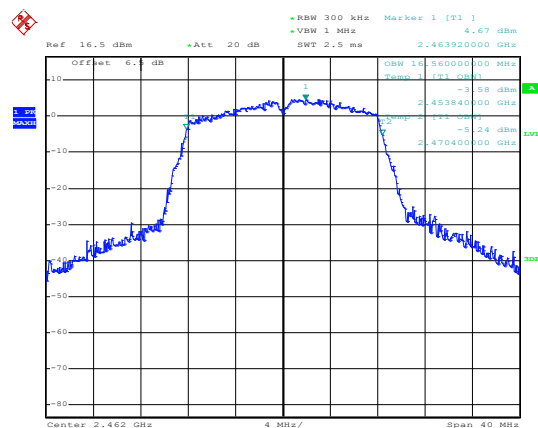
Date: 6.JUL.2020 09:15:59

## Middle channel



Date: 6.JUL.2020 09:22:30

## Middle channel



Date: 6.JUL.2020 09:15:49

## Highest channel



Date: 6.JUL.2020 09:22:30

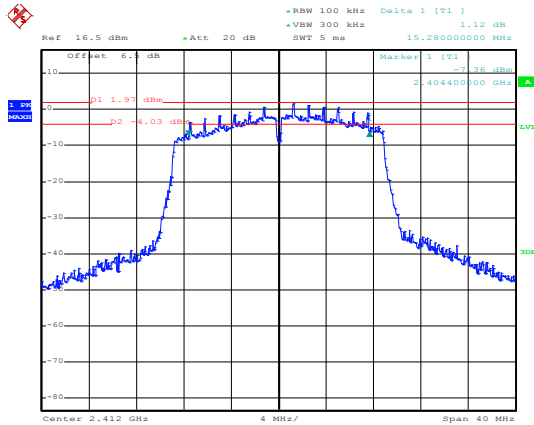
## Highest channel



Date: 6.JUL.2020 09:15:49

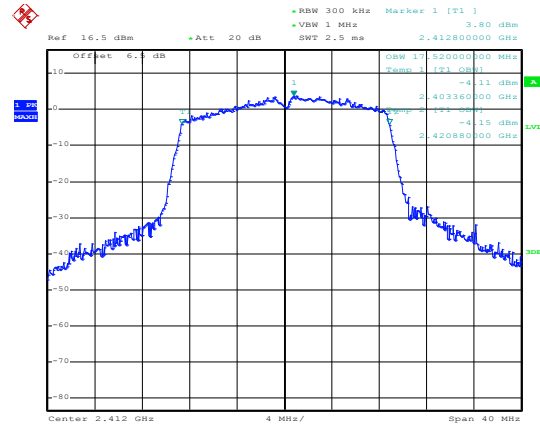
## 802.11n(HT20)

## 6dB EBW



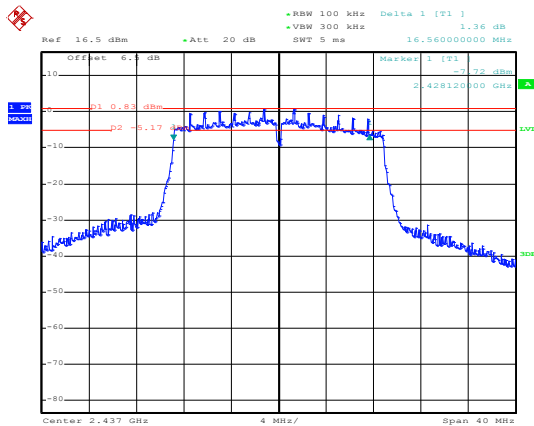
Date: 6.JUL.2020 09:24:20

## 99% OBW



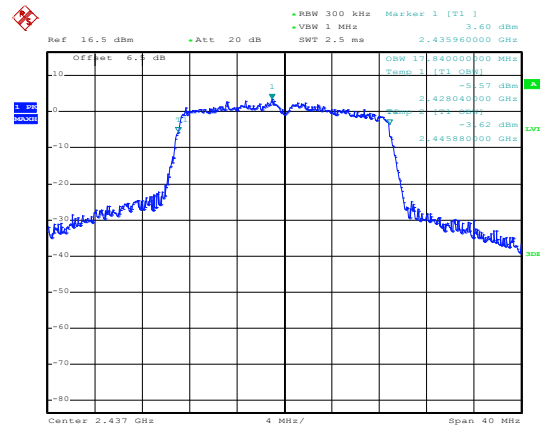
Date: 6.JUL.2020 09:15:06

## Lowest channel



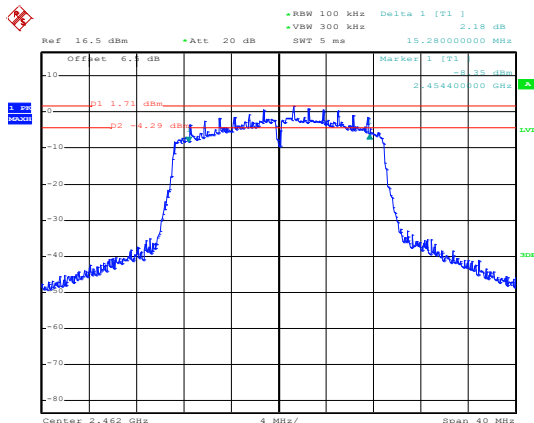
Date: 6.JUL.2020 09:25:14

## Lowest channel



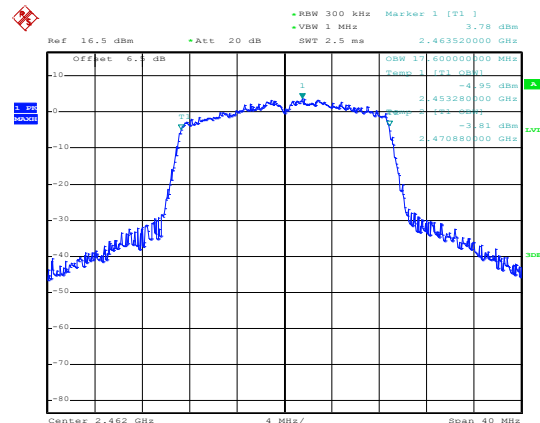
Date: 6.JUL.2020 09:15:21

## Middle channel



Date: 6.JUL.2020 09:23:32

## Middle channel



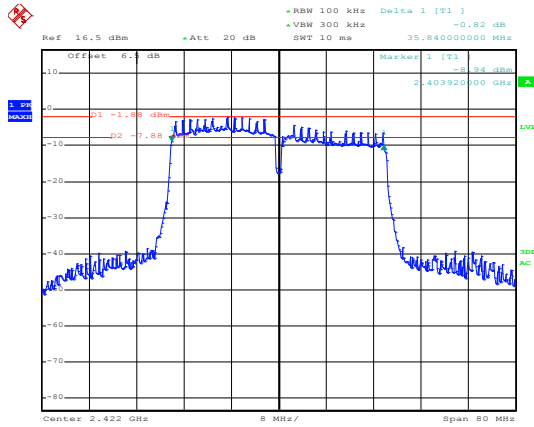
Date: 6.JUL.2020 09:15:34

## Highest channel

## Highest channel

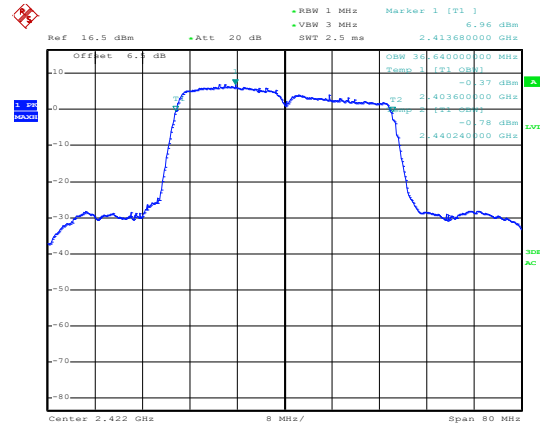
## 802.11n(HT40)

## 6dB EBW



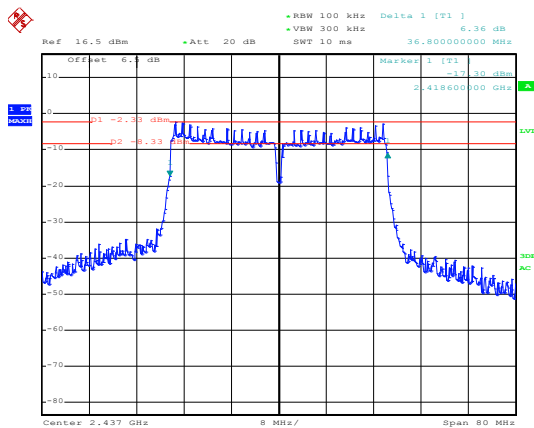
Date: 9.JUL.2020 19:53:12

## 99% OBW



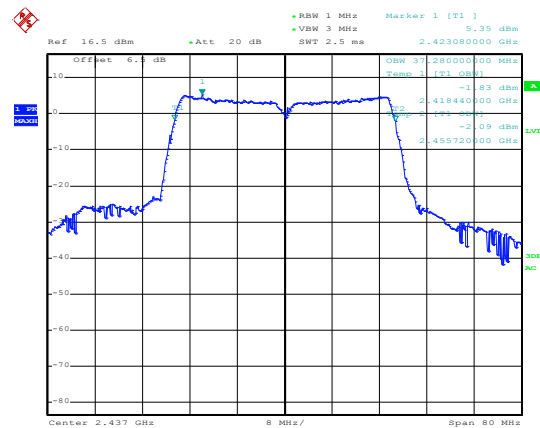
Date: 9.JUL.2020 20:26:03

## Lowest channel



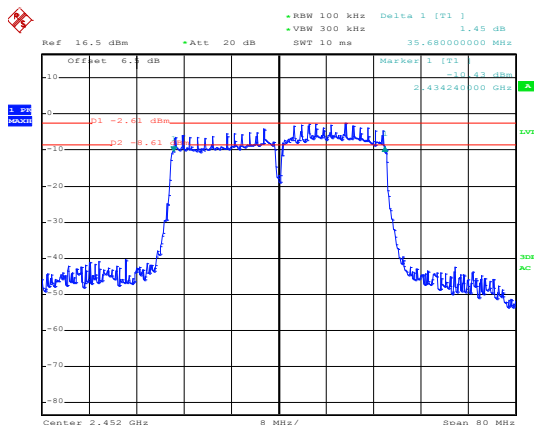
Date: 9.JUL.2020 19:52:04

## Lowest channel



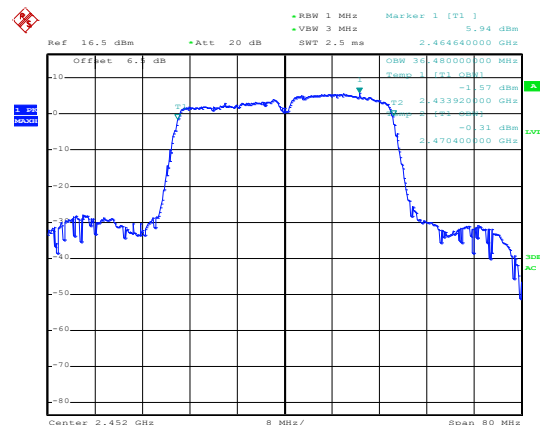
Date: 9.JUL.2020 20:26:25

## Middle channel



Date: 9.JUL.2020 19:51:08

## Middle channel

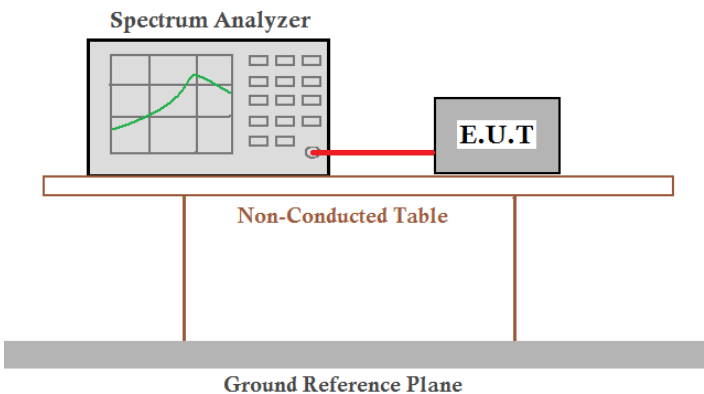


Date: 9.JUL.2020 20:26:53

## Highest channel

## Highest channel

## 6.5 Power Spectral Density

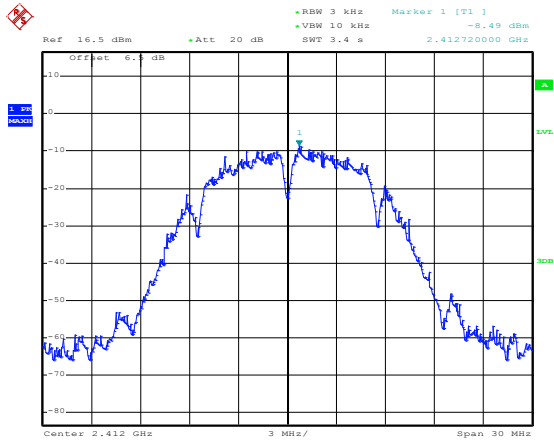
|                   |                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (e)                                                                                                                                                                                                                                                                                                                     |
| Limit:            | 8dBm/3kHz                                                                                                                                                                                                                                                                                                                                           |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p> |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                    |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                    |
| Test results:     | Passed                                                                                                                                                                                                                                                                                                                                              |

### Measurement Data:

| Test CH | Power Spectral Density (dBm/3kHz) |         |               |               | Limit<br>(dBm/3kHz) | Result |
|---------|-----------------------------------|---------|---------------|---------------|---------------------|--------|
|         | 802.11b                           | 802.11g | 802.11n(HT20) | 802.11n(HT40) |                     |        |
| Lowest  | -8.49                             | -13.15  | -12.36        | -17.40        | 8.00                | Pass   |
| Middle  | -10.04                            | -13.49  | -13.82        | -18.17        |                     |        |
| Highest | -7.96                             | -11.71  | -14.19        | -17.30        |                     |        |

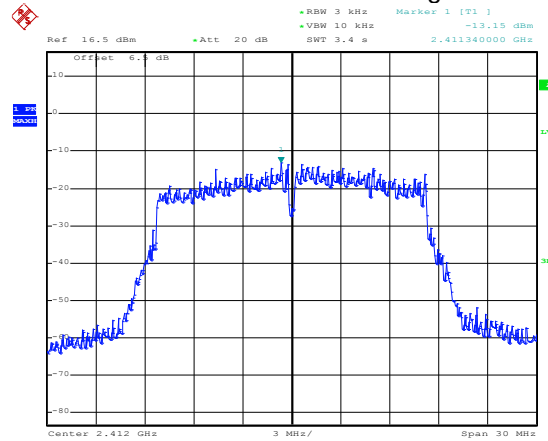
Test plot as follows:

Test mode: 802.11b



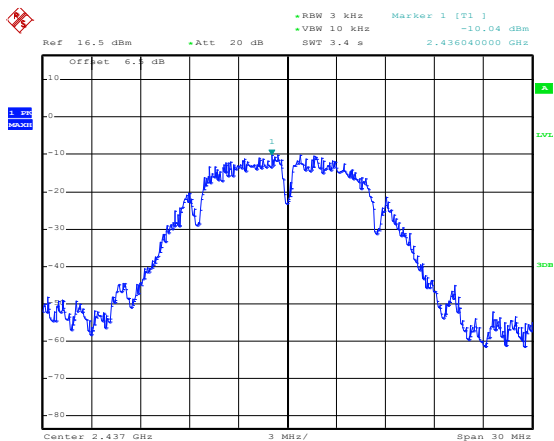
Date: 6.JUL.2020 09:28:12

Test mode: 802.11g



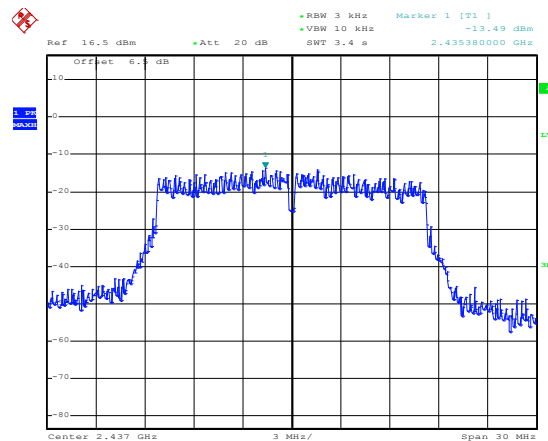
Date: 6.JUL.2020 09:27:57

Lowest channel



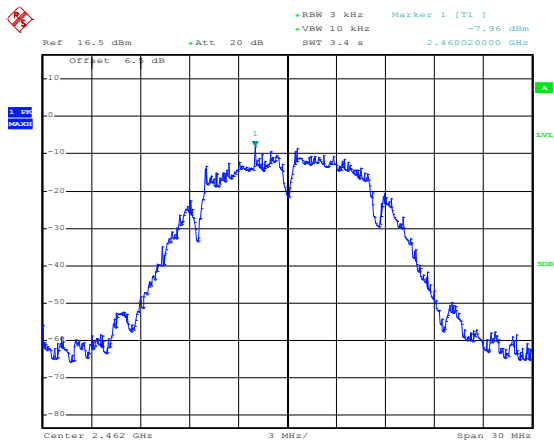
Date: 6.JUL.2020 09:28:24

Lowest channel



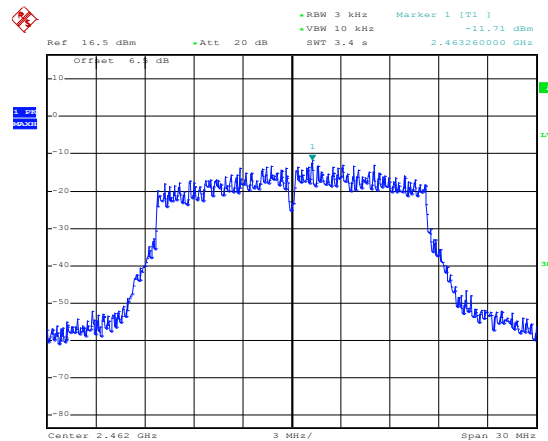
Date: 6.JUL.2020 09:27:44

Middle channel



Date: 6.JUL.2020 09:28:40

Middle channel

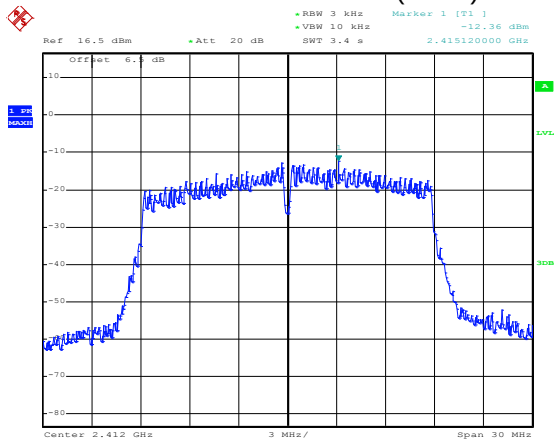


Date: 6.JUL.2020 09:27:29

Highest channel

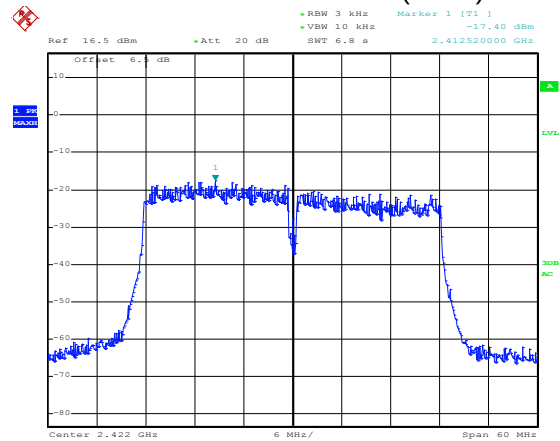
Highest channel

Test mode: 802.11n(HT20)



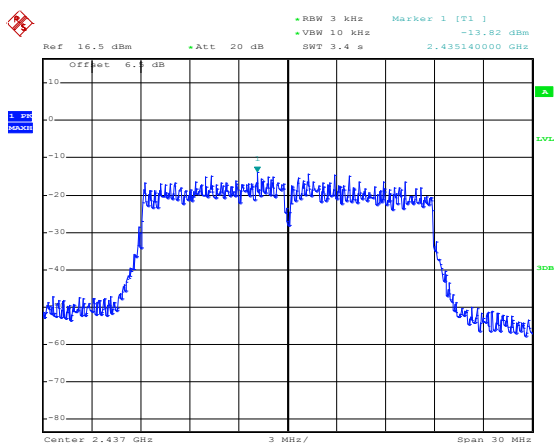
Date: 6.JUL.2020 09:26:36

Test mode: 802.11n(HT40)



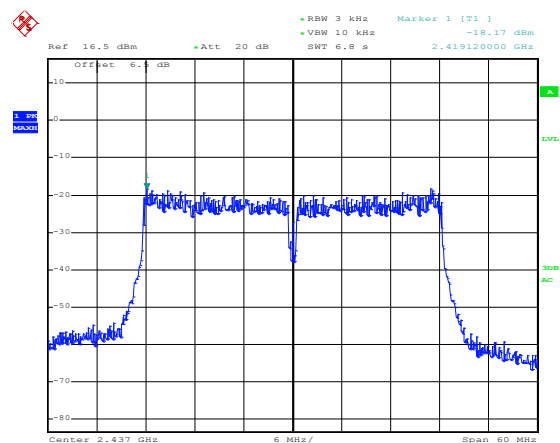
Date: 9.JUL.2020 20:30:52

Lowest channel



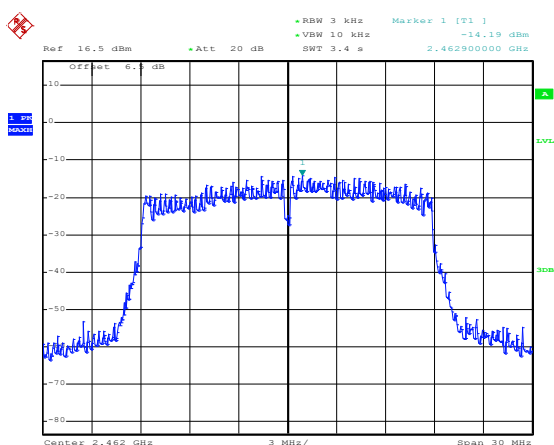
Date: 6.JUL.2020 09:26:51

Lowest channel



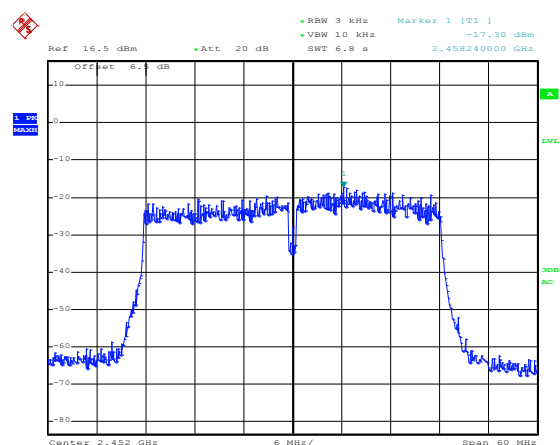
Date: 9.JUL.2020 20:31:13

Middle channel



Date: 6.JUL.2020 09:27:05

Middle channel

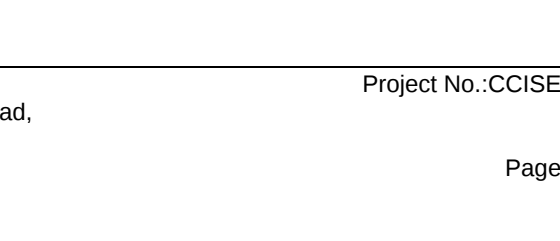


Date: 9.JUL.2020 20:31:35

Highest channel

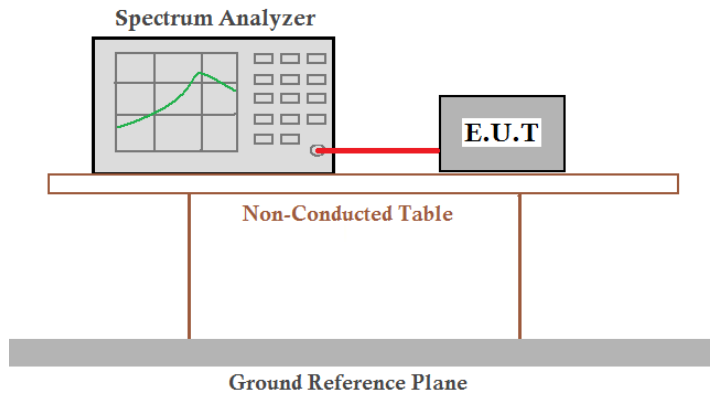


Highest channel

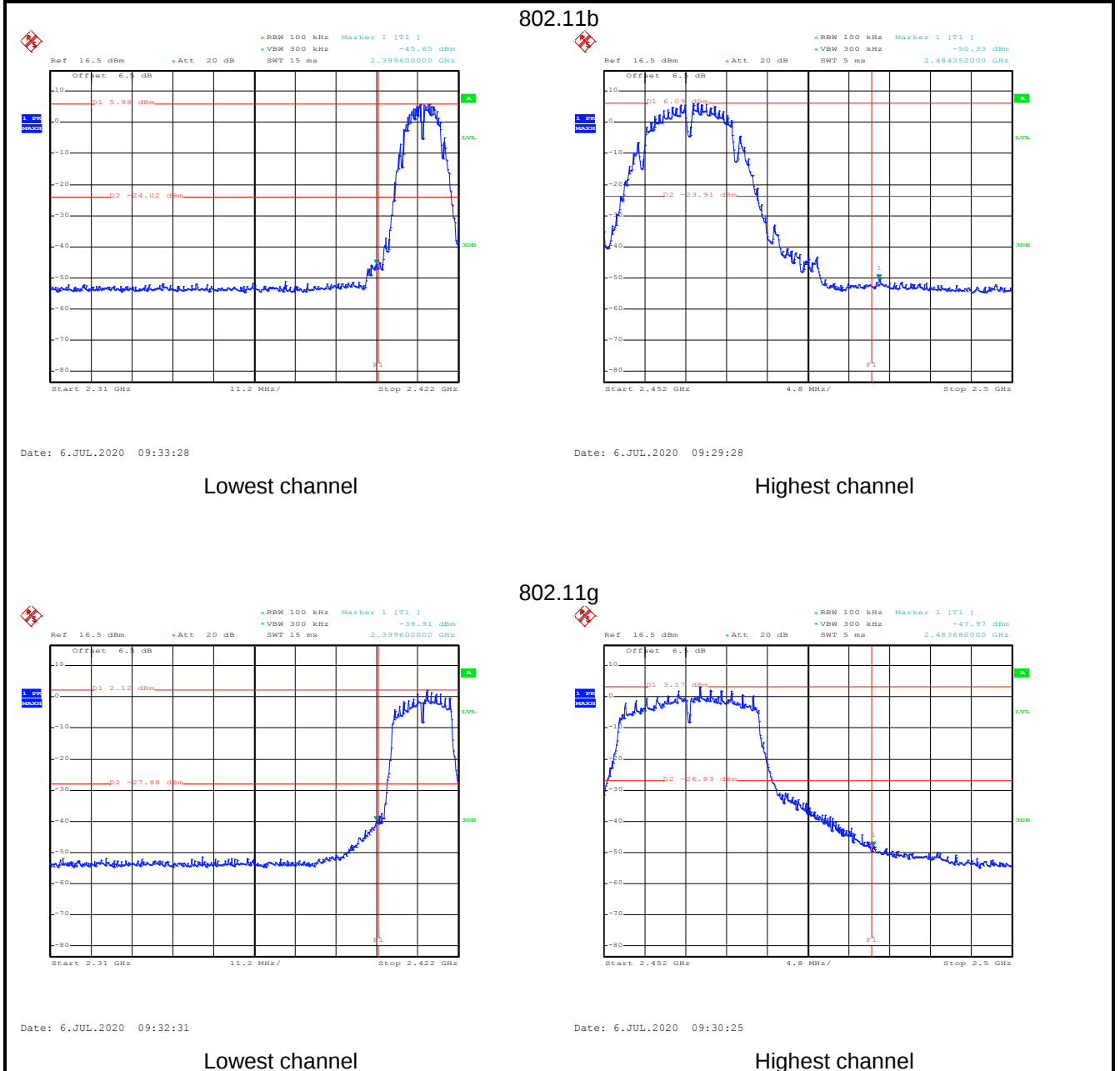


## 6.6 Band Edge

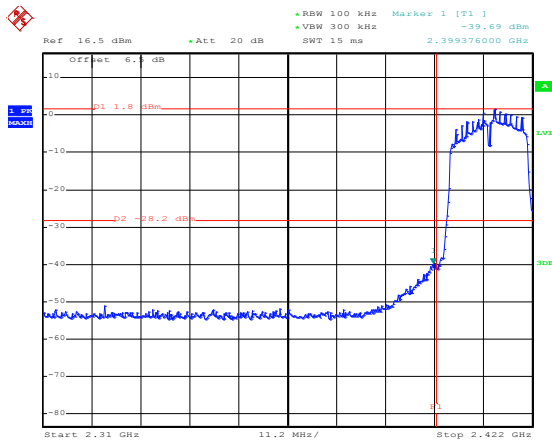
### 6.6.1 Conducted Emission Method

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Limit:            | 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 either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. |
| Test setup:       |  <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.</p>                                                                                                                                                                                                                                                        |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test results:     | Passed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

Test plot as follows:

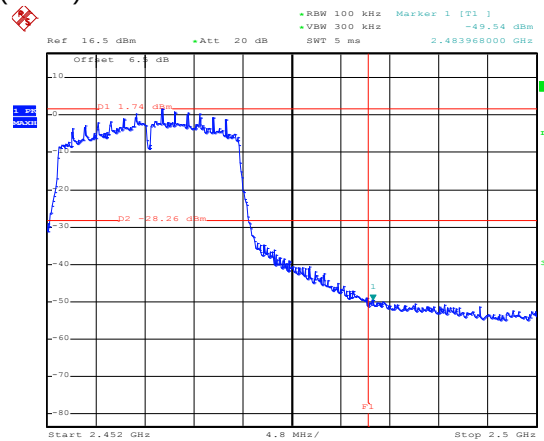


## 802.11n(HT20)



Date: 6.JUL.2020 09:31:52

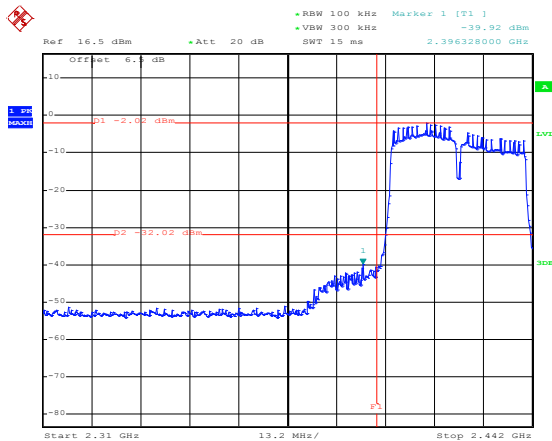
Lowest channel



Date: 6.JUL.2020 09:31:05

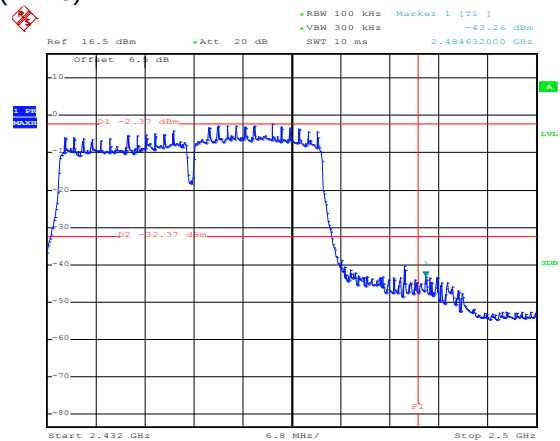
Highest channel

## 802.11n(HT40)



Date: 9.JUL.2020 20:41:17

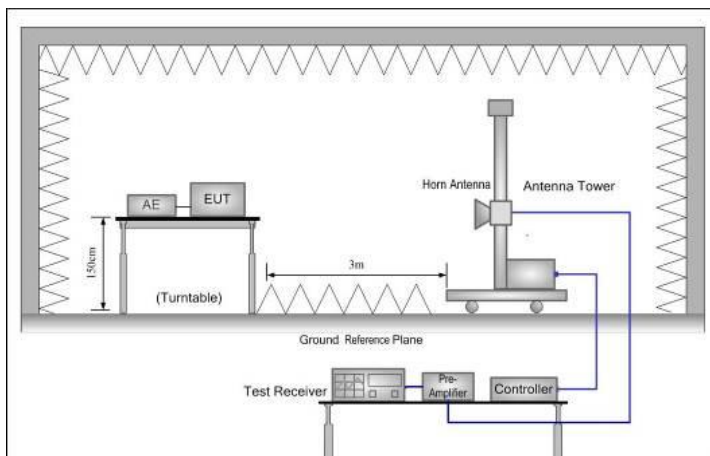
Lowest channel



Date: 9.JUL.2020 20:41:57

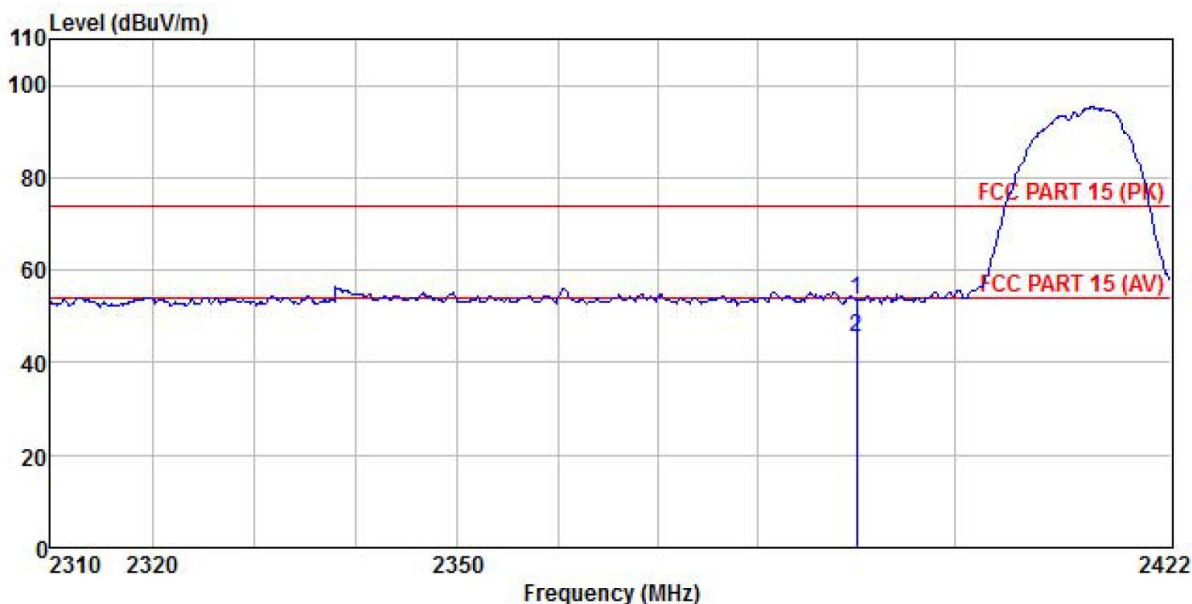
Highest channel

## 6.6.2 Radiated Emission Method

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |      |               |               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------|---------------|---------------|
| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |      |               |               |
| Test Frequency Range: | 2310 MHz to 2390 MHz and 2483.5 MHz to 2500 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |      |               |               |
| TestDistance:         | 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |      |               |               |
| Receiver setup:       | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Detector           | RBW  | VBW           | Remark        |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Peak               | 1MHz | 3MHz          | Peak Value    |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | RMS                | 1MHz | 3MHz          | Average Value |
| Limit:                | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Limit (dBuV/m @3m) |      | Remark        |               |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 54.00              |      | Average Value |               |
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 74.00              |      | Peak Value    |               |
| Test Procedure:       | <div>1. The EUT was placed on the top of a rotating table 1.5 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or average method as specified andthen reported in a data sheet.</div> |                    |      |               |               |
| Test setup:           | <div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                    |      |               |               |
| Test Instruments:     | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |      |               |               |
| Test mode:            | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                    |      |               |               |
| Test results:         | Passed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                    |      |               |               |

## 802.11b mode:

|               |                              |                |                     |
|---------------|------------------------------|----------------|---------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04               |
| Test By:      | Yaro                         | Test mode:     | 802.11b Tx mode     |
| Test Channel: | Lowest channel               | Polarization:  | Vertical            |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57% |

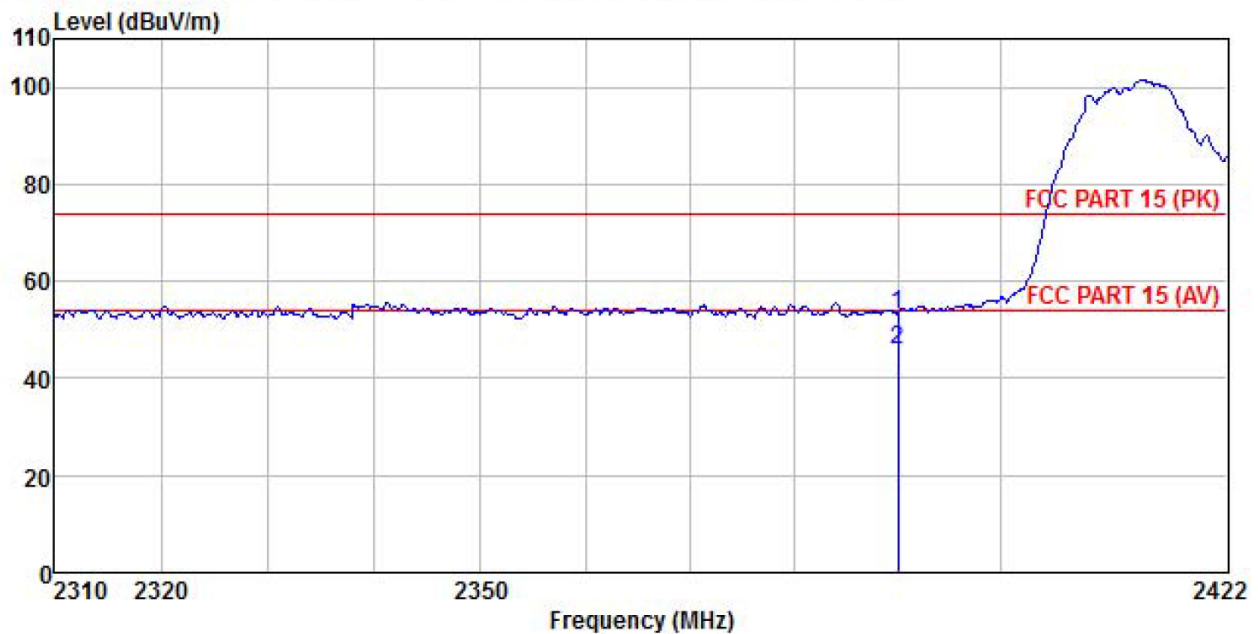


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2390.000 | 20.43      | 27.03          | 4.28       | 1.68       | 0.00          | 53.42  | 74.00      | -20.58     | Peak    |
| 2 | 2390.000 | 12.53      | 27.03          | 4.28       | 1.68       | 0.00          | 45.52  | 54.00      | -8.48      | Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                     |
|---------------|------------------------------|----------------|---------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04               |
| Test By:      | Yaro                         | Test mode:     | 802.11b Tx mode     |
| Test Channel: | Lowest channel               | Polarization:  | Horizontal          |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57% |

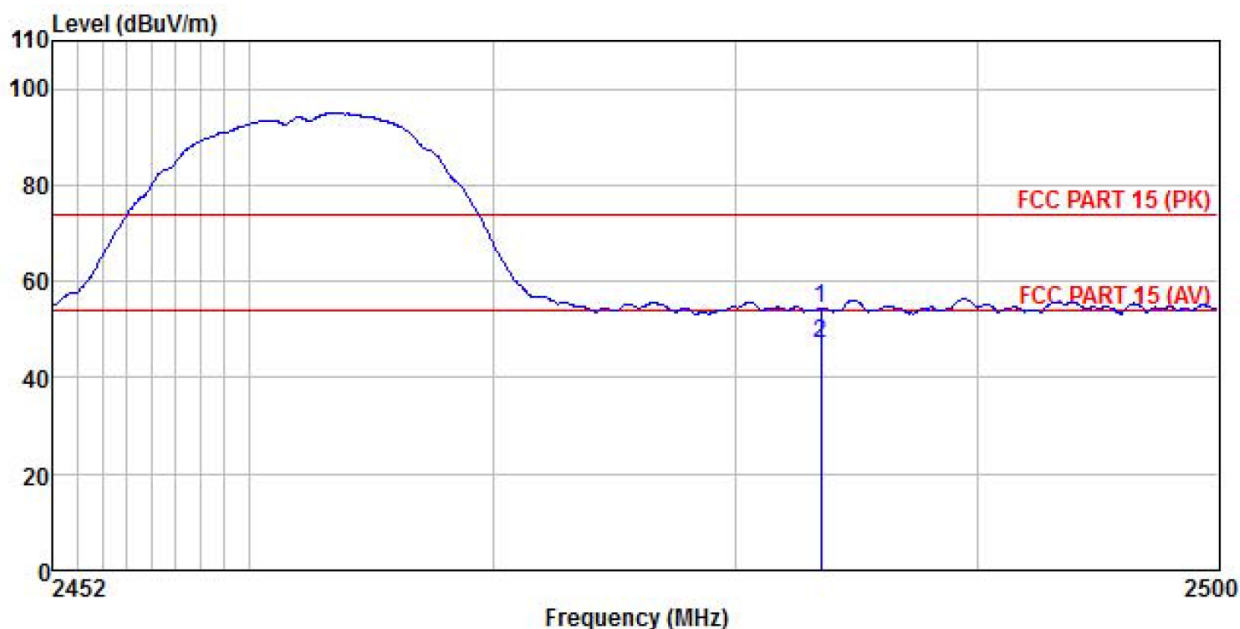


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2390.000 | 20.33      | 27.03          | 4.28       | 1.68       | 0.00          | 53.32  | 74.00      | -20.68     | Peak    |
| 2 | 2390.000 | 12.87      | 27.03          | 4.28       | 1.68       | 0.00          | 45.86  | 54.00      | -8.14      | Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|                      |                              |                       |                     |
|----------------------|------------------------------|-----------------------|---------------------|
| <b>Product Name:</b> | Personal Mobile Alarm System | <b>Product Model:</b> | EV-04               |
| <b>Test By:</b>      | Yaro                         | <b>Test mode:</b>     | 802.11b Tx mode     |
| <b>Test Channel:</b> | Highest channel              | <b>Polarization:</b>  | Vertical            |
| <b>Test Voltage:</b> | AC 120/60Hz                  | <b>Environment:</b>   | Temp: 24℃ Humi: 57% |

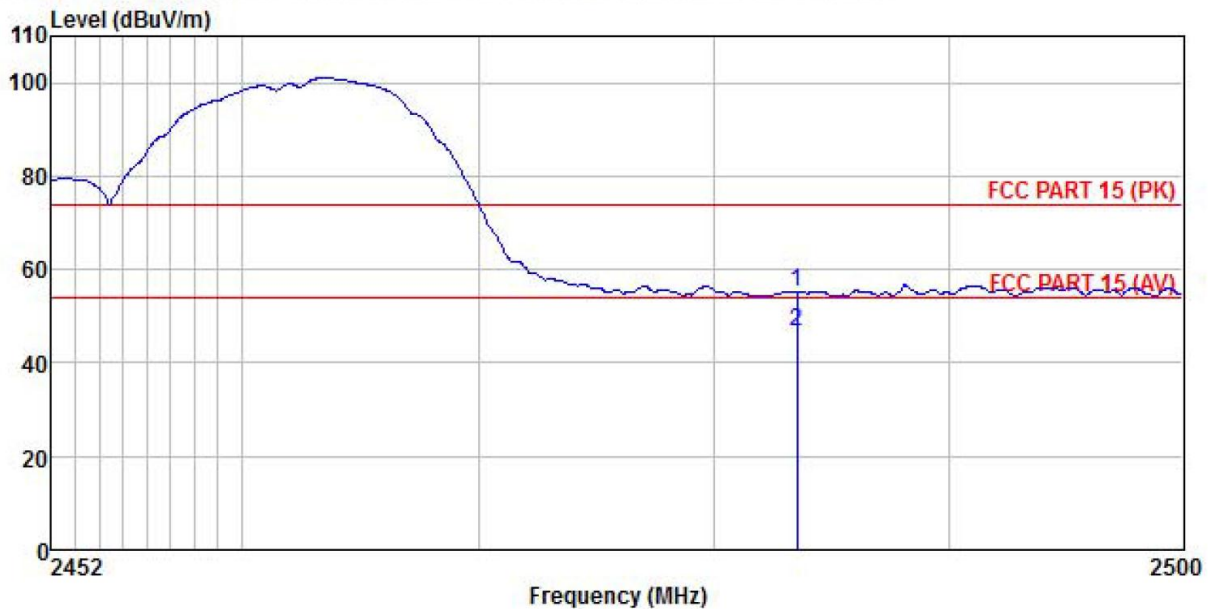


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2483.500 | 21.23      | 27.27          | 4.38       | 1.70       | 0.00          | 54.58  | 74.00      | -19.42     | Peak    |
| 2 | 2483.500 | 13.91      | 27.27          | 4.38       | 1.70       | 0.00          | 47.26  | 54.00      | -6.74      | Average |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|                      |                              |                       |                     |
|----------------------|------------------------------|-----------------------|---------------------|
| <b>Product Name:</b> | Personal Mobile Alarm System | <b>Product Model:</b> | EV-04               |
| <b>Test By:</b>      | Yaro                         | <b>Test mode:</b>     | 802.11b Tx mode     |
| <b>Test Channel:</b> | Highest channel              | <b>Polarization:</b>  | Horizontal          |
| <b>Test Voltage:</b> | AC 120/60Hz                  | <b>Environment:</b>   | Temp: 24℃ Humi: 57% |



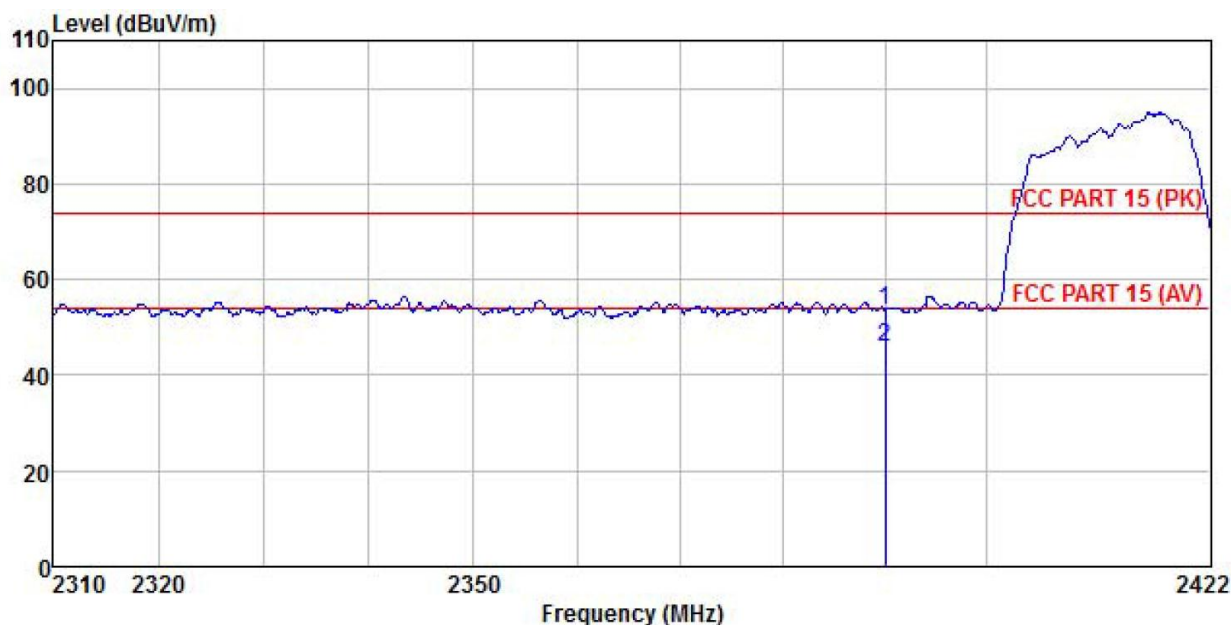
|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2483.500 | 21.97      | 27.27          | 4.38       | 1.70       | 0.00          | 55.32  | 74.00      | -18.68     | Peak    |
| 2 | 2483.500 | 13.49      | 27.27          | 4.38       | 1.70       | 0.00          | 46.84  | 54.00      | -7.16      | Average |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

## 802.11g mode:

|               |                              |                |                     |
|---------------|------------------------------|----------------|---------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04               |
| Test By:      | Yaro                         | Test mode:     | 802.11g Tx mode     |
| Test Channel: | Lowest channel               | Polarization:  | Vertical            |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57% |

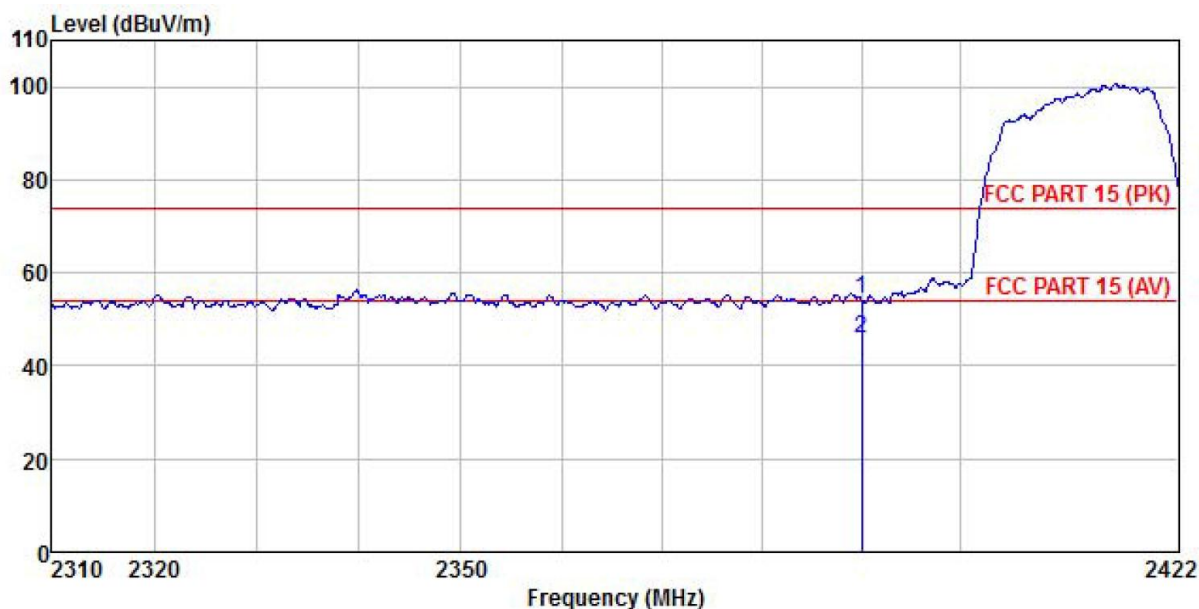


|   | Freq     | ReadAntenna | Cable  | Aux  | Preamp | Level  | Limit  | Over   |               |
|---|----------|-------------|--------|------|--------|--------|--------|--------|---------------|
|   | MHz      | Level       | Factor | Loss | Factor | Factor | Line   | Limit  | Remark        |
|   |          | dBuV        | dB/m   | dB   | dB     | dB     | dBuV/m | dBuV/m | dB            |
| 1 | 2390.000 | 20.67       | 27.03  | 4.28 | 1.68   | 0.00   | 53.66  | 74.00  | -20.34 Peak   |
| 2 | 2390.000 | 12.91       | 27.03  | 4.28 | 1.68   | 0.00   | 45.90  | 54.00  | -8.10 Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                     |
|---------------|------------------------------|----------------|---------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04               |
| Test By:      | Yaro                         | Test mode:     | 802.11g Tx mode     |
| Test Channel: | Lowest channel               | Polarization:  | Horizontal          |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57% |

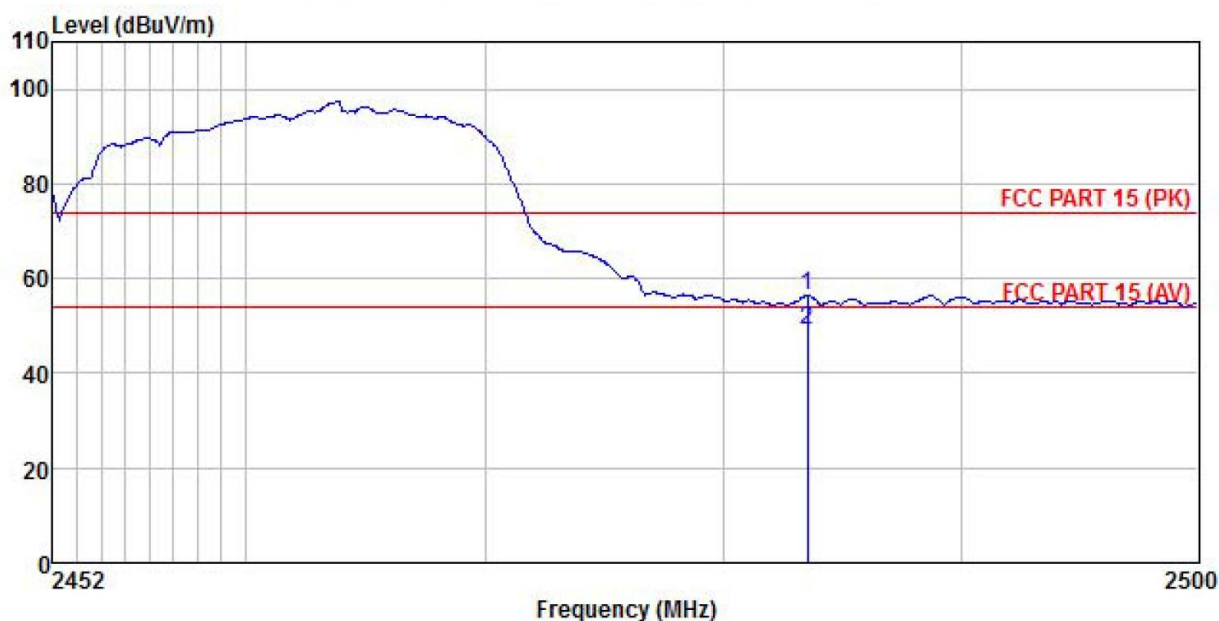


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2390.000 | 21.45      | 27.03          | 4.28       | 1.68       | 0.00          | 54.44  | 74.00      | -19.56     | Peak    |
| 2 | 2390.000 | 13.04      | 27.03          | 4.28       | 1.68       | 0.00          | 46.03  | 54.00      | -7.97      | Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                     |
|---------------|------------------------------|----------------|---------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04               |
| Test By:      | Yaro                         | Test mode:     | 802.11g Tx mode     |
| Test Channel: | Highest channel              | Polarization:  | Vertical            |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57% |

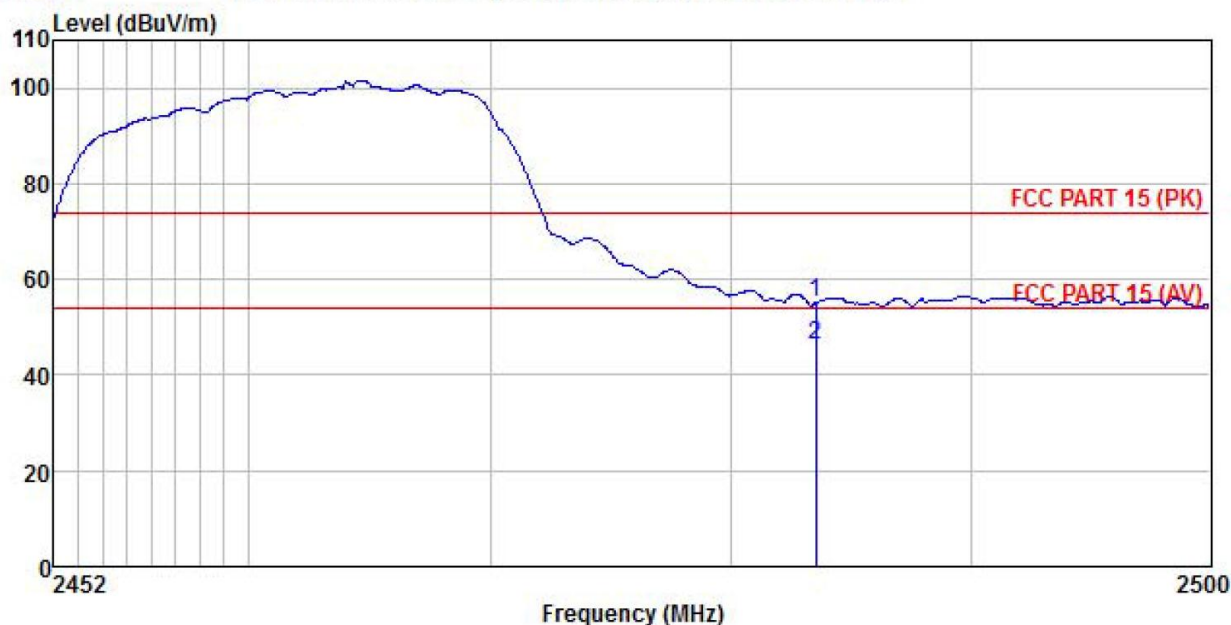


|   | Freq     | Read  | Antenna | Cable | Aux    | Preamp | Level  | Limit  | Over   |         |
|---|----------|-------|---------|-------|--------|--------|--------|--------|--------|---------|
|   | MHz      | Level | Factor  | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark  |
|   |          | dBuV  | dB/m    | dB    | dB     | dB     | dBuV/m | dBuV/m | dB     |         |
| 1 | 2483.500 | 23.00 | 27.27   | 4.38  | 1.70   | 0.00   | 56.35  | 74.00  | -17.65 | Peak    |
| 2 | 2483.500 | 15.88 | 27.27   | 4.38  | 1.70   | 0.00   | 49.23  | 54.00  | -4.77  | Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                      |
|---------------|------------------------------|----------------|----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                |
| Test By:      | Yaro                         | Test mode:     | 802.11g Tx mode      |
| Test Channel: | Highest channel              | Polarization:  | Horizontal           |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24°C Humi: 57% |



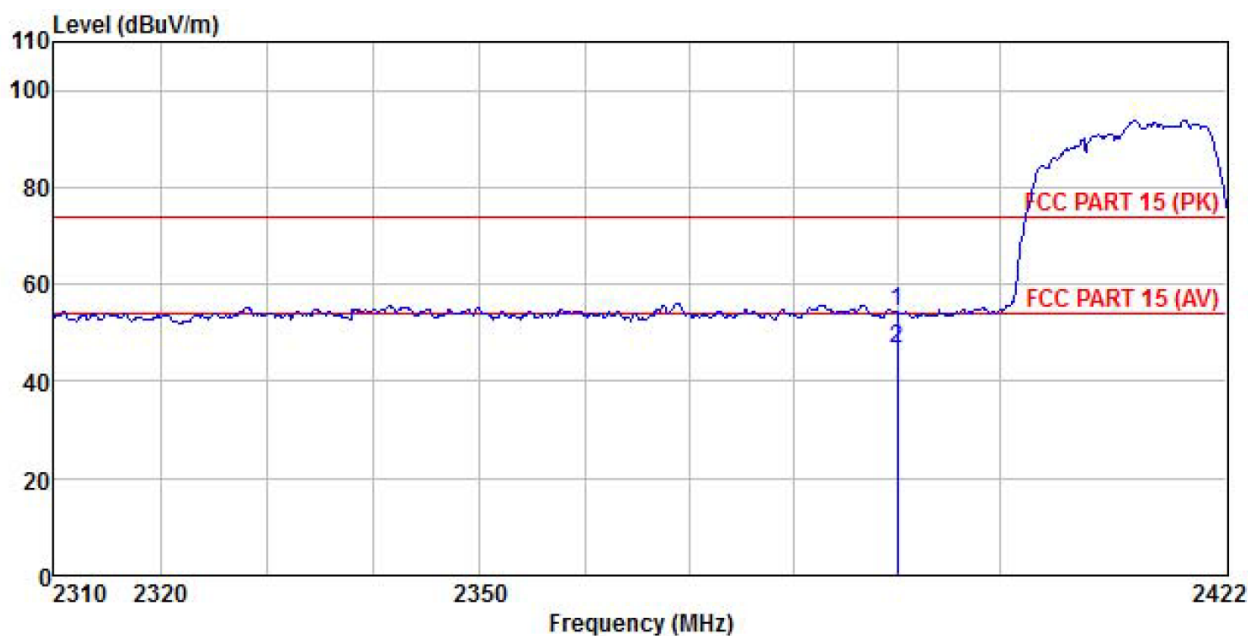
|   | Freq     | ReadAntenna | Cable  | Aux  | Preamp | Level  | Limit  | Over   | Remark        |
|---|----------|-------------|--------|------|--------|--------|--------|--------|---------------|
|   | MHz      | Level       | Factor | Loss | Factor | Factor | Level  | Line   | Limit         |
|   |          | dBuV        | dB/m   | dB   | dB     | dB     | dBuV/m | dBuV/m | dB            |
| 1 | 2483.500 | 21.95       | 27.27  | 4.38 | 1.70   | 0.00   | 55.30  | 74.00  | -18.70 Peak   |
| 2 | 2483.500 | 13.12       | 27.27  | 4.38 | 1.70   | 0.00   | 46.47  | 54.00  | -7.53 Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

## 802.11n(HT20):

|                      |                              |                       |                        |
|----------------------|------------------------------|-----------------------|------------------------|
| <b>Product Name:</b> | Personal Mobile Alarm System | <b>Product Model:</b> | EV-04                  |
| <b>Test By:</b>      | Yaro                         | <b>Test mode:</b>     | 802.11n(HT20) Tx mode  |
| <b>Test Channel:</b> | Lowest channel               | <b>Polarization:</b>  | Vertical               |
| <b>Test Voltage:</b> | AC 120/60Hz                  | <b>Environment:</b>   | Temp: 24℃    Humi: 57% |

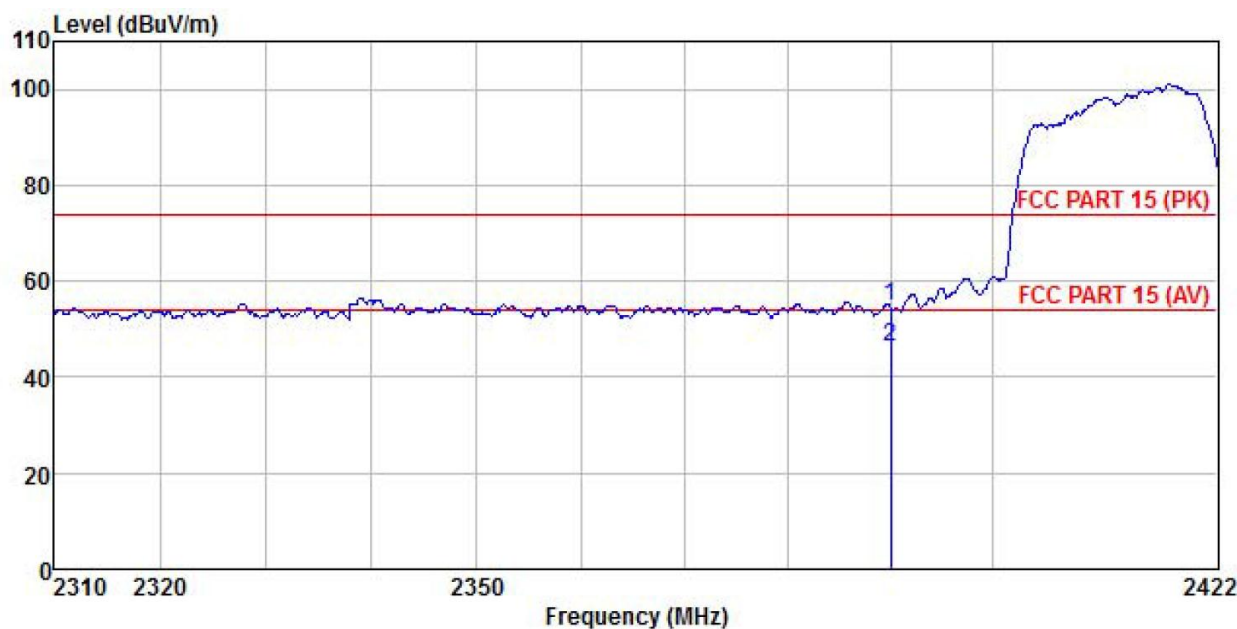


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Limit Level | Over Limit | Remark        |
|---|----------|------------|----------------|------------|------------|---------------|-------------|------------|---------------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m      | dBuV/m     | dB            |
| 1 | 2390.000 | 21.43      | 27.03          | 4.28       | 1.68       | 0.00          | 54.42       | 74.00      | -19.58 Peak   |
| 2 | 2390.000 | 13.64      | 27.03          | 4.28       | 1.68       | 0.00          | 46.63       | 54.00      | -7.37 Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                       |
|---------------|------------------------------|----------------|-----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                 |
| Test By:      | Yaro                         | Test mode:     | 802.11n(HT20) Tx mode |
| Test Channel: | Lowest channel               | Polarization:  | Horizontal            |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57%   |

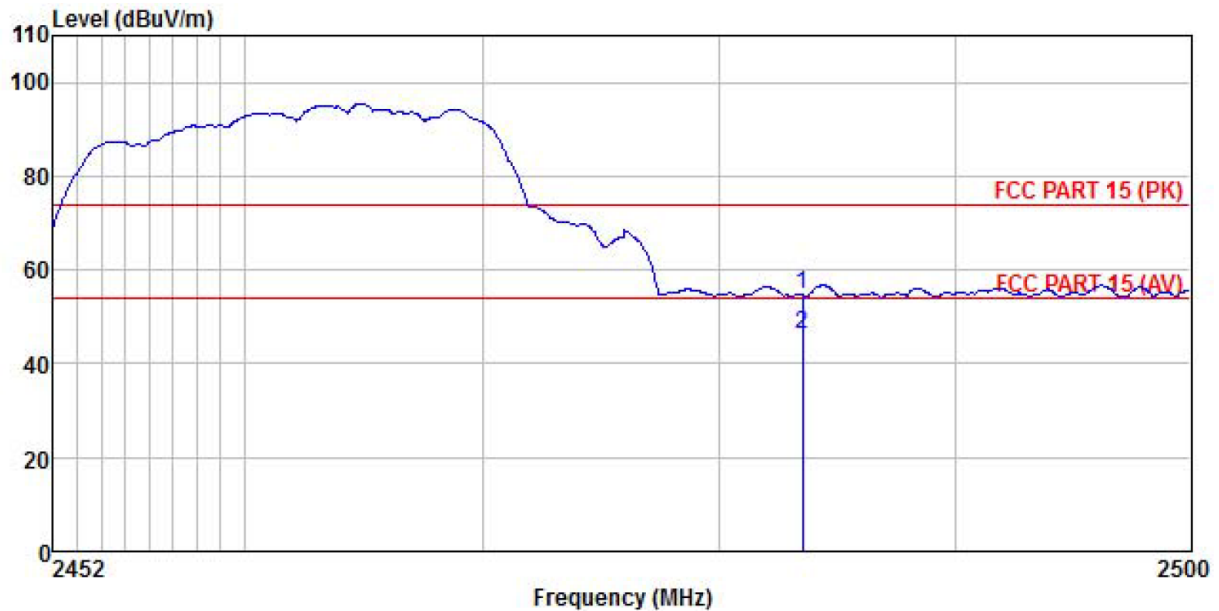


|   | Freq     | ReadAntenna | Cable  | Aux  | Preamp | Level  | Limit  | Over   |               |
|---|----------|-------------|--------|------|--------|--------|--------|--------|---------------|
|   | MHz      | Level       | Factor | Loss | Factor | Factor | Line   | Limit  | Remark        |
|   |          | dBuV        | dB/m   | dB   | dB     | dB     | dBuV/m | dBuV/m | dB            |
| 1 | 2390.000 | 21.82       | 27.03  | 4.28 | 1.68   | 0.00   | 54.81  | 74.00  | -19.19 Peak   |
| 2 | 2390.000 | 13.11       | 27.03  | 4.28 | 1.68   | 0.00   | 46.10  | 54.00  | -7.90 Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                       |
|---------------|------------------------------|----------------|-----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                 |
| Test By:      | Yaro                         | Test mode:     | 802.11n(HT20) Tx mode |
| Test Channel: | Highest channel              | Polarization:  | Vertical              |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57%   |

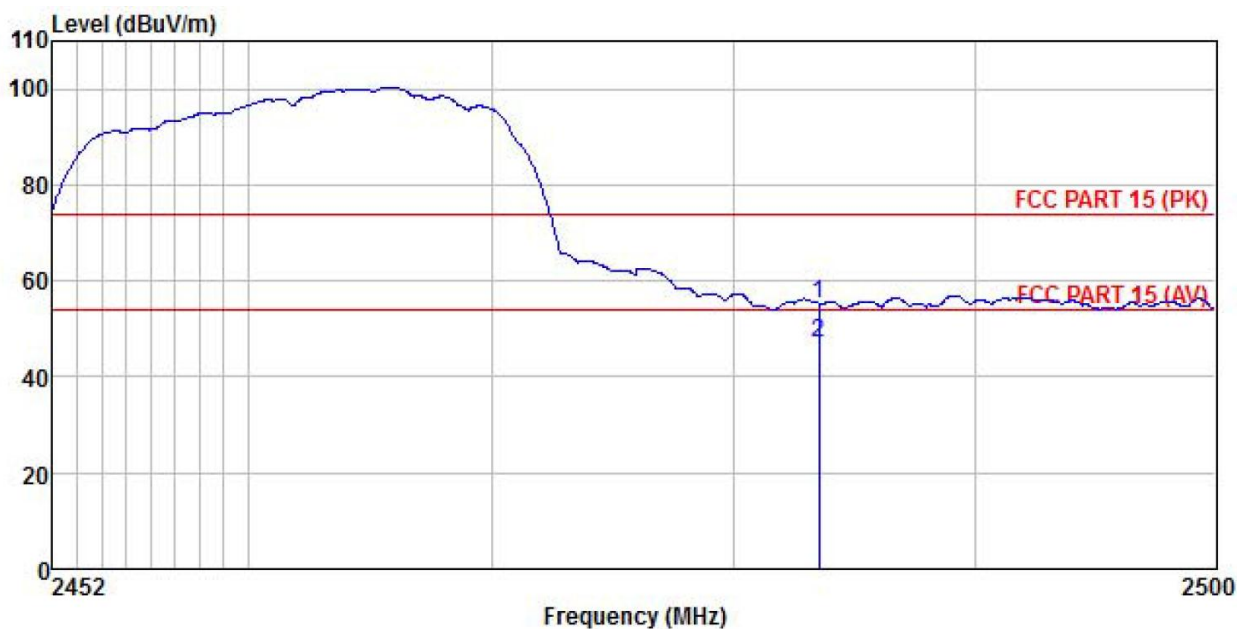


|   | Freq     | Read<br>Level | Antenna<br>Factor | Cable<br>Loss | Aux<br>Factor | Preamp<br>Factor | Level  | Limit  | Over   | Remark  |
|---|----------|---------------|-------------------|---------------|---------------|------------------|--------|--------|--------|---------|
|   | MHz      | dBuV          | dB/m              | dB            |               | dB               | dBuV/m | dBuV/m | dB     |         |
| 1 | 2483.500 | 21.30         | 27.27             | 4.38          | 1.70          | 0.00             | 54.65  | 74.00  | -19.35 | Peak    |
| 2 | 2483.500 | 13.07         | 27.27             | 4.38          | 1.70          | 0.00             | 46.42  | 54.00  | -7.58  | Average |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|                      |                              |                       |                       |
|----------------------|------------------------------|-----------------------|-----------------------|
| <b>Product Name:</b> | Personal Mobile Alarm System | <b>Product Model:</b> | EV-04                 |
| <b>Test By:</b>      | Yaro                         | <b>Test mode:</b>     | 802.11n(HT20) Tx mode |
| <b>Test Channel:</b> | Highest channel              | <b>Polarization:</b>  | Horizontal            |
| <b>Test Voltage:</b> | AC 120/60Hz                  | <b>Environment:</b>   | Temp: 24℃ Humi: 57%   |



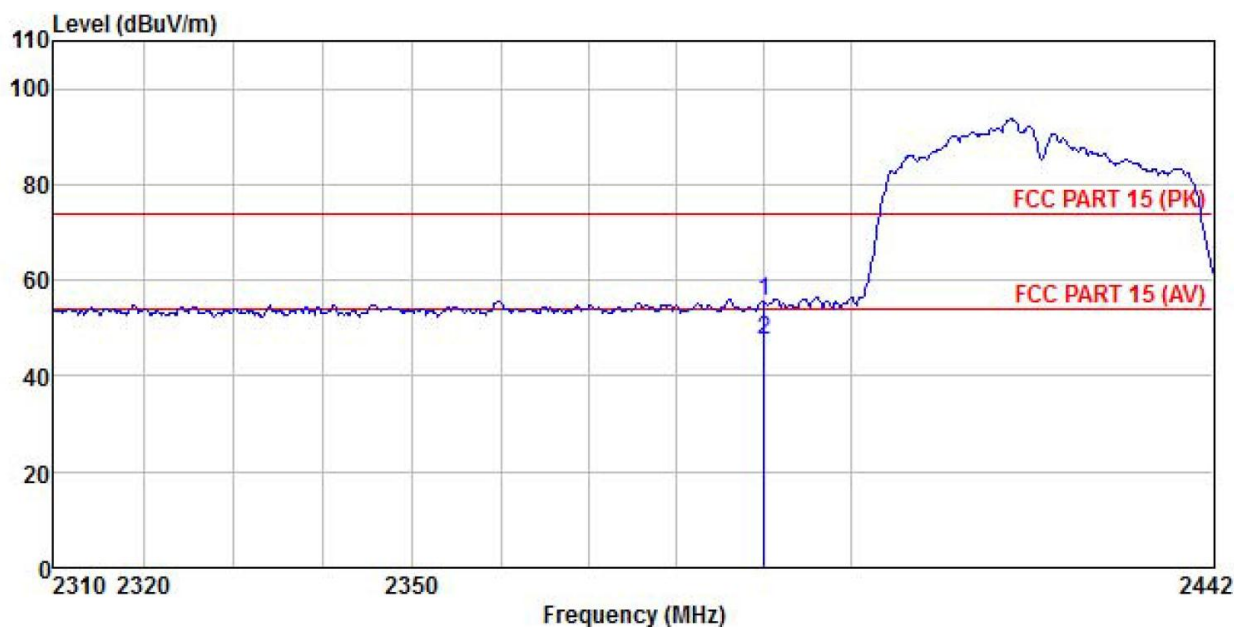
|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2483.500 | 21.91      | 27.27          | 4.38       | 1.70       | 0.00          | 55.26  | 74.00      | -18.74     | Peak    |
| 2 | 2483.500 | 13.70      | 27.27          | 4.38       | 1.70       | 0.00          | 47.05  | 54.00      | -6.95      | Average |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

## 802.11n(HT40):

|               |                              |                |                       |
|---------------|------------------------------|----------------|-----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                 |
| Test By:      | Yaro                         | Test mode:     | 802.11n(HT40) Tx mode |
| Test Channel: | Lowest channel               | Polarization:  | Vertical              |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24°C Humi: 57%  |

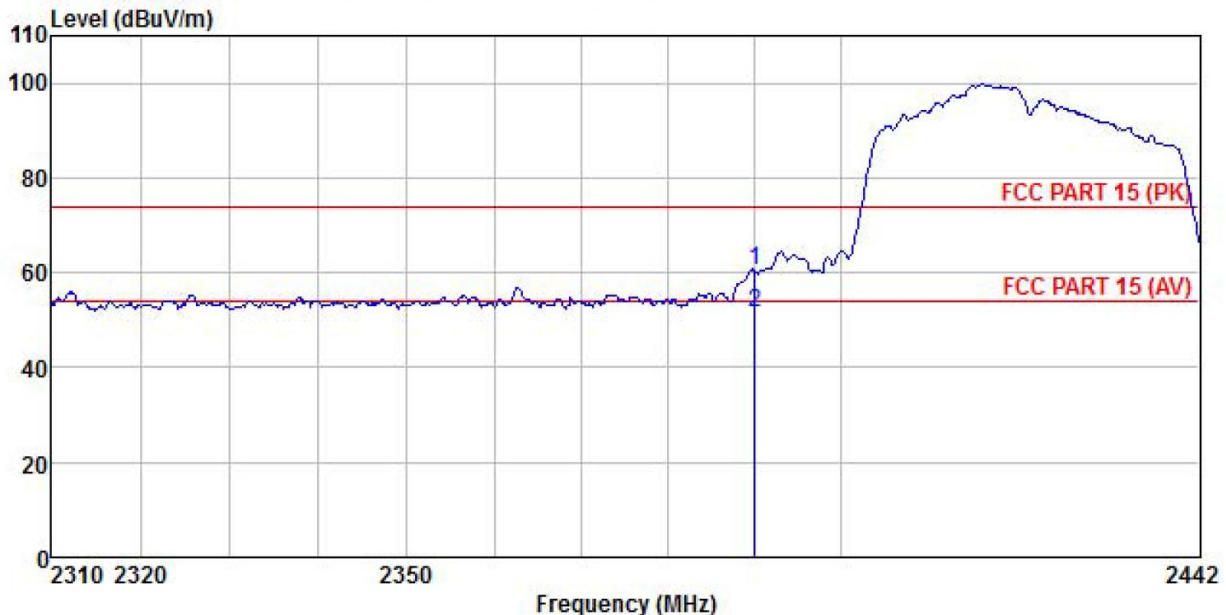


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2390.000 | 22.71      | 27.03          | 4.28       | 1.68       | 0.00          | 55.70  | 74.00      | -18.30     | Peak    |
| 2 | 2390.000 | 14.40      | 27.03          | 4.28       | 1.68       | 0.00          | 47.39  | 54.00      | -6.61      | Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                       |
|---------------|------------------------------|----------------|-----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                 |
| Test By:      | Yaro                         | Test mode:     | 802.11n(HT40) Tx mode |
| Test Channel: | Lowest channel               | Polarization:  | Horizontal            |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57%   |

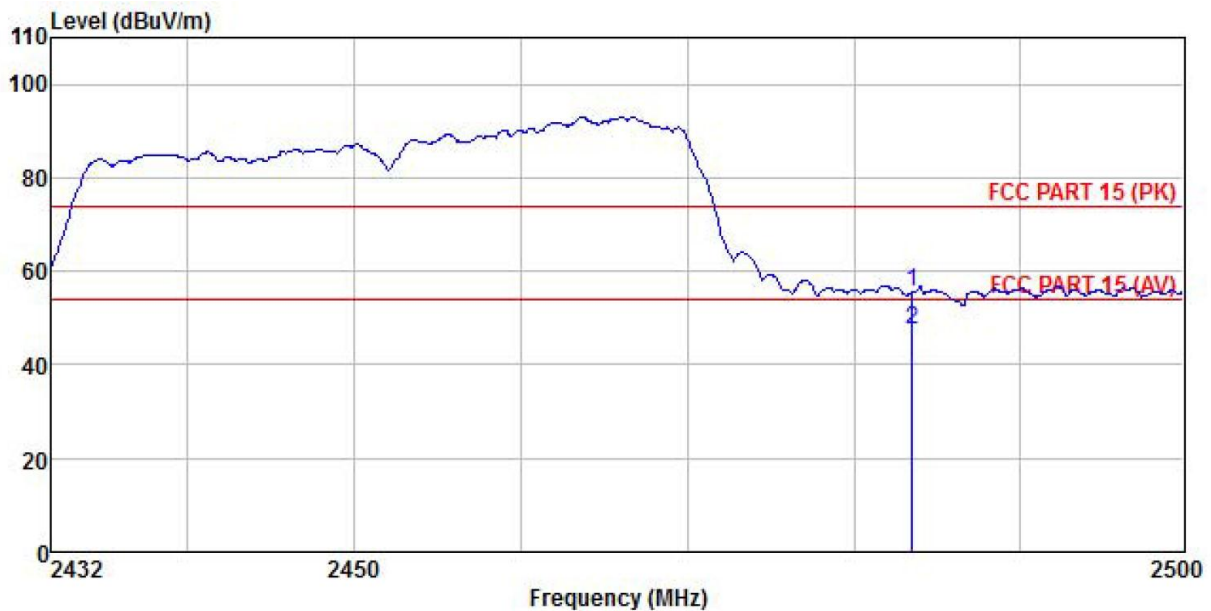


|   | Freq     | ReadAntenna | Cable  | Aux  | Preamp | Level  | Limit  | Over   |               |
|---|----------|-------------|--------|------|--------|--------|--------|--------|---------------|
|   | MHz      | Level       | Factor | Loss | Factor | Factor | Line   | Limit  | Remark        |
|   |          | dBuV        | dB/m   | dB   | dB     | dB     | dBuV/m | dBuV/m | dB            |
| 1 | 2390.000 | 27.63       | 27.03  | 4.28 | 1.68   | 0.00   | 60.62  | 74.00  | -13.38 Peak   |
| 2 | 2390.000 | 18.38       | 27.03  | 4.28 | 1.68   | 0.00   | 51.37  | 54.00  | -2.63 Average |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                       |
|---------------|------------------------------|----------------|-----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                 |
| Test By:      | Yaro                         | Test mode:     | 802.11n(HT40) Tx mode |
| Test Channel: | Highest channel              | Polarization:  | Vertical              |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57%   |

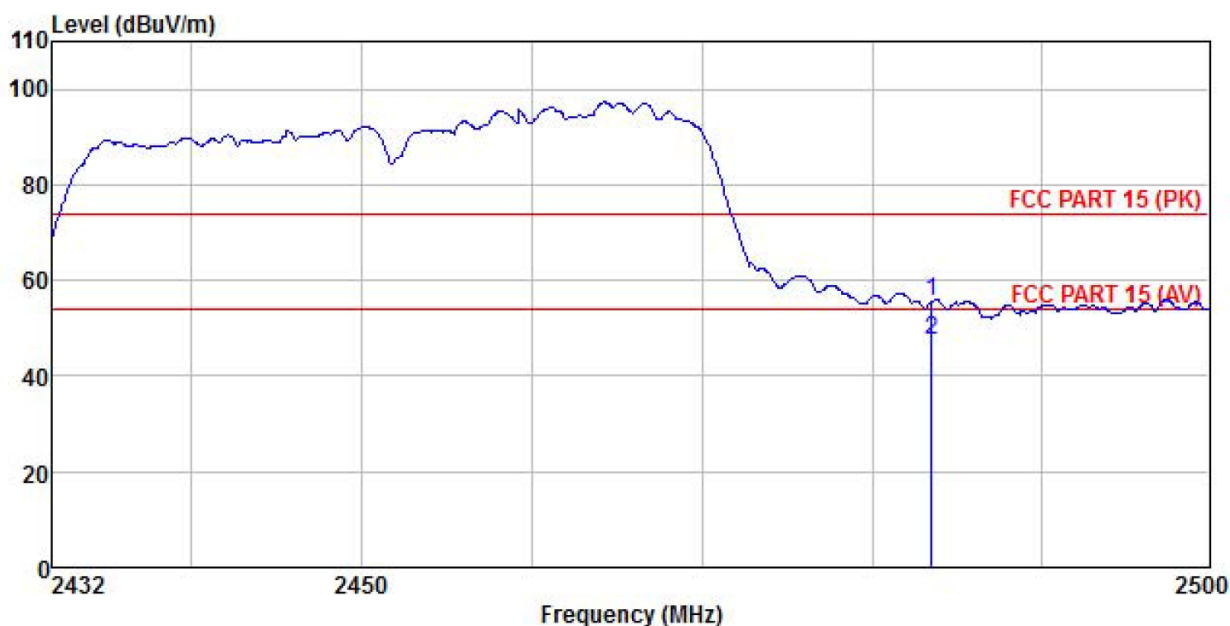


|   | Freq     | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|---|----------|------------|----------------|------------|------------|---------------|--------|------------|------------|---------|
|   | MHz      | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1 | 2483.500 | 22.35      | 27.27          | 4.38       | 1.70       | 0.00          | 55.70  | 74.00      | -18.30     | Peak    |
| 2 | 2483.500 | 14.13      | 27.27          | 4.38       | 1.70       | 0.00          | 47.48  | 54.00      | -6.52      | Average |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

|               |                              |                |                       |
|---------------|------------------------------|----------------|-----------------------|
| Product Name: | Personal Mobile Alarm System | Product Model: | EV-04                 |
| Test By:      | Yaro                         | Test mode:     | 802.11n(HT40) Tx mode |
| Test Channel: | Highest channel              | Polarization:  | Horizontal            |
| Test Voltage: | AC 120/60Hz                  | Environment:   | Temp: 24°C Humi: 57%  |



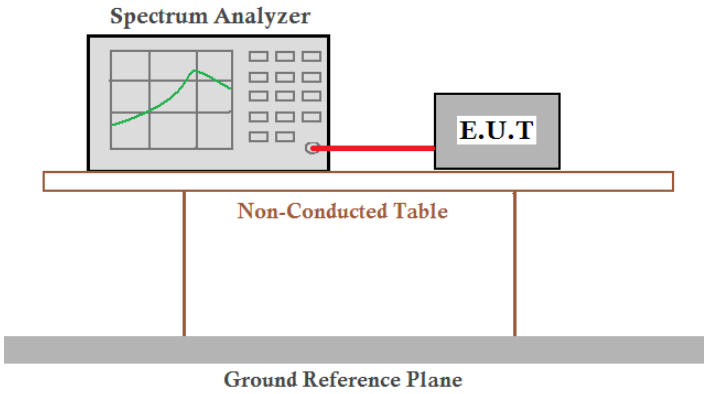
|   | Freq     | ReadAntenna | Cable  | Aux  | Preamp | Level  | Limit  | Over   |               |
|---|----------|-------------|--------|------|--------|--------|--------|--------|---------------|
|   | MHz      | Level       | Factor | Loss | Factor | Factor | Level  | Line   | Limit         |
|   |          | dBuV        | dB/m   | dB   | dB     | dB     | dBuV/m | dBuV/m | dB            |
| 1 | 2483.500 | 22.09       | 27.27  | 4.38 | 1.70   | 0.00   | 55.44  | 74.00  | -18.56 Peak   |
| 2 | 2483.500 | 14.04       | 27.27  | 4.38 | 1.70   | 0.00   | 47.39  | 54.00  | -6.61 Average |

**Remark:**

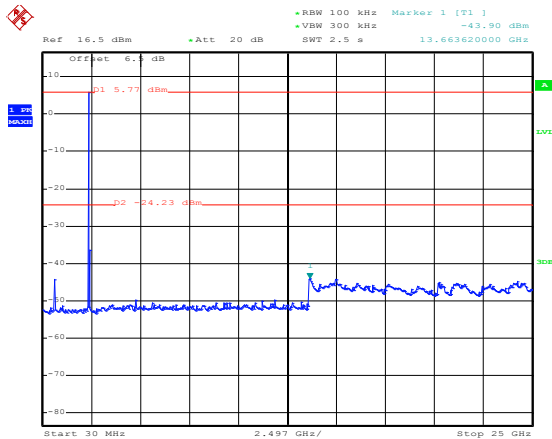
1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

## 6.7 Spurious Emission

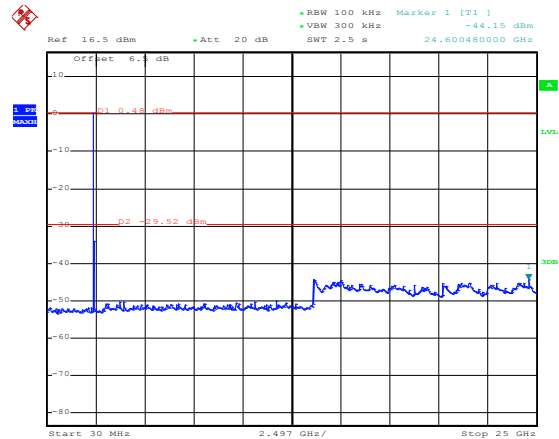
### 6.7.1 Conducted Emission Method

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement: | FCC Part15 C Section 15.247 (d)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Limit:            | 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 either an RF conducted or a radiated measurement. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph(b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. |
| Test setup:       |  <p>The diagram illustrates the test setup for conducted emissions. A Spectrum Analyzer is connected to an Equipment Under Test (E.U.T.) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by two vertical legs and sits on a Ground Reference Plane.</p>                                                                                                                                                                                                                              |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test results:     | Passed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

Test plot as follows:

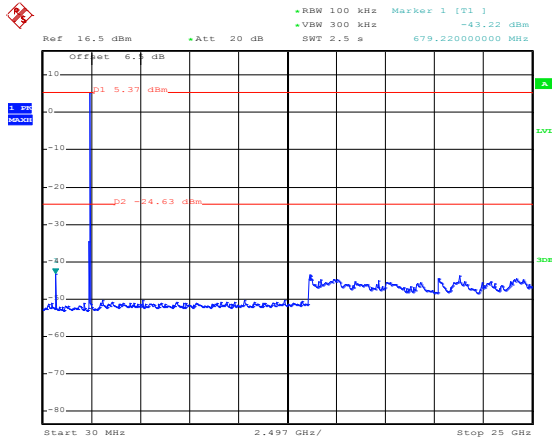
Test mode: 802.11b  
Lowest channel

Date: 6.JUL.2020 09:37:34

Test mode: 802.11g  
Lowest channel

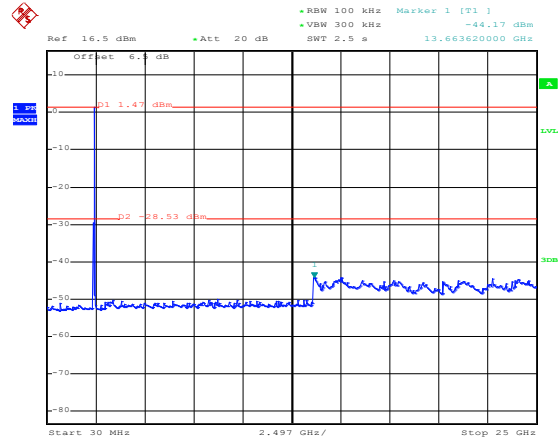
Date: 6.JUL.2020 10:21:36

Middle channel



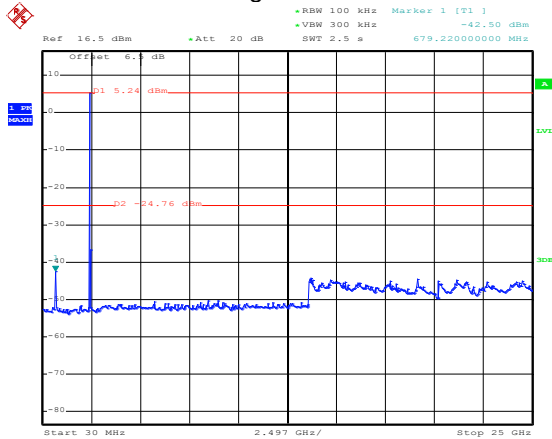
Date: 6.JUL.2020 09:44:40

Middle channel



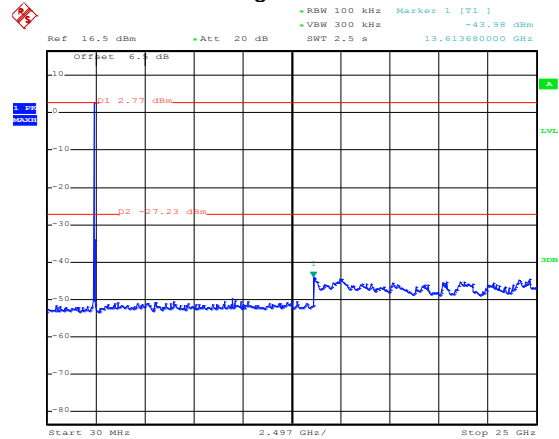
Date: 6.JUL.2020 10:05:00

Highest channel



Date: 6.JUL.2020 09:47:31

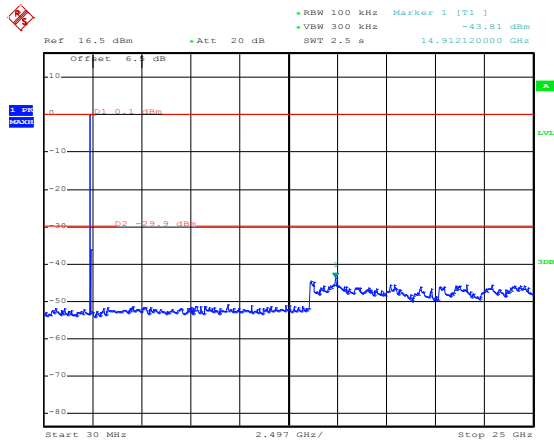
Highest channel



Date: 6.JUL.2020 09:50:39

## Test mode: 802.11n(HT20)

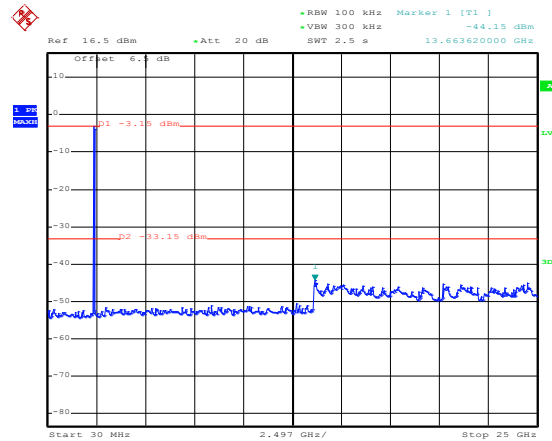
## Lowest channel



Date: 6.JUL.2020 10:12:31

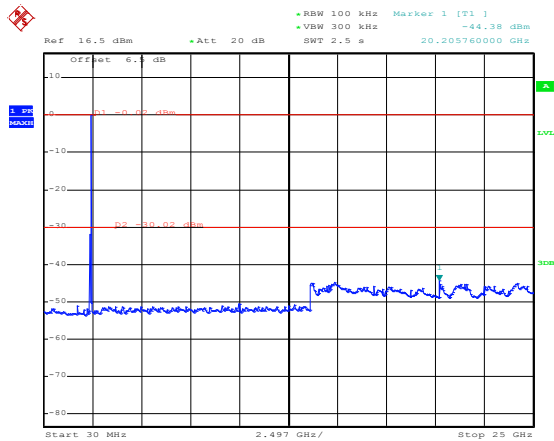
## Test mode: 802.11n(HT40)

## Lowest channel



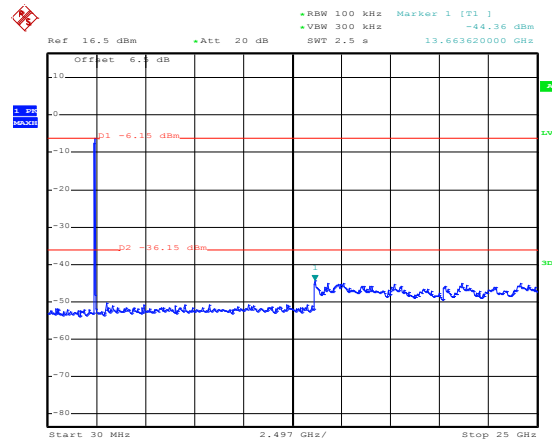
Date: 9.JUL.2020 20:47:37

## Middle channel



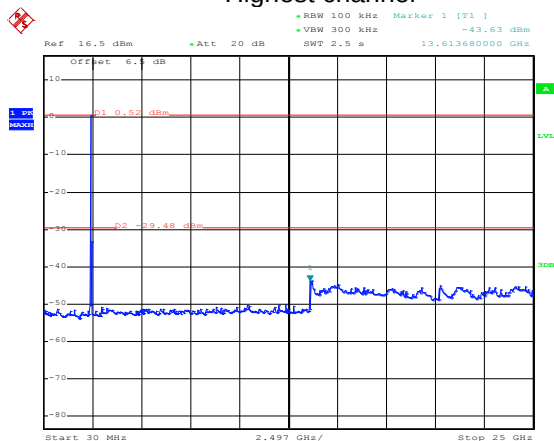
Date: 6.JUL.2020 10:14:45

## Middle channel



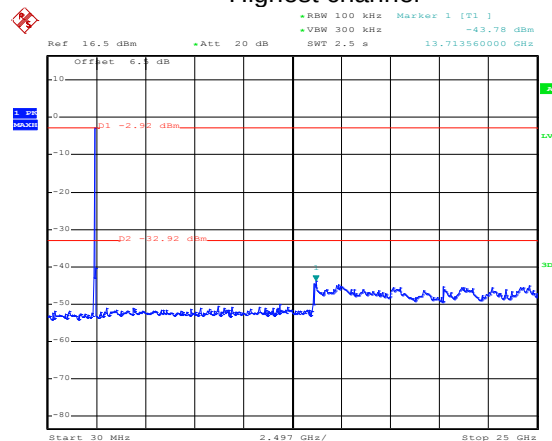
Date: 9.JUL.2020 20:45:10

## Highest channel



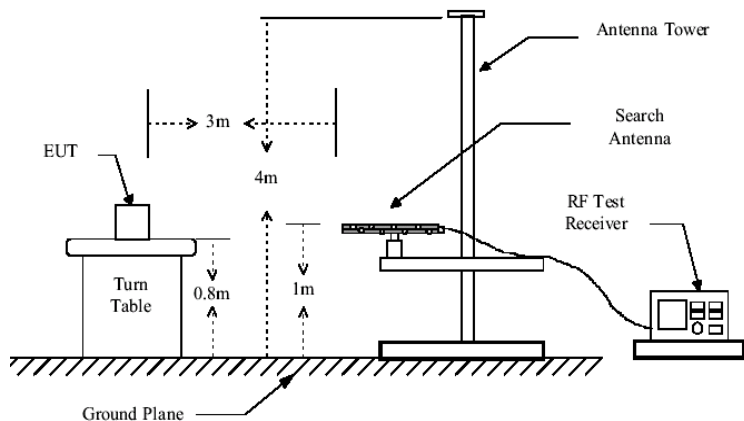
Date: 6.JUL.2020 10:17:41

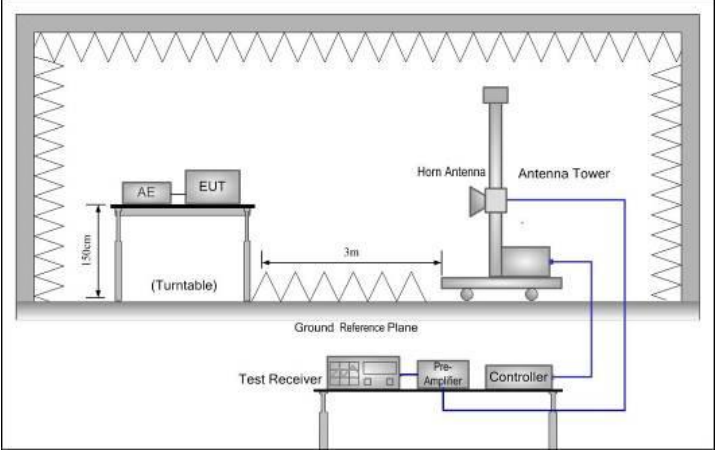
## Highest channel



Date: 9.JUL.2020 20:43:22

## 6.7.2 Radiated Emission Method

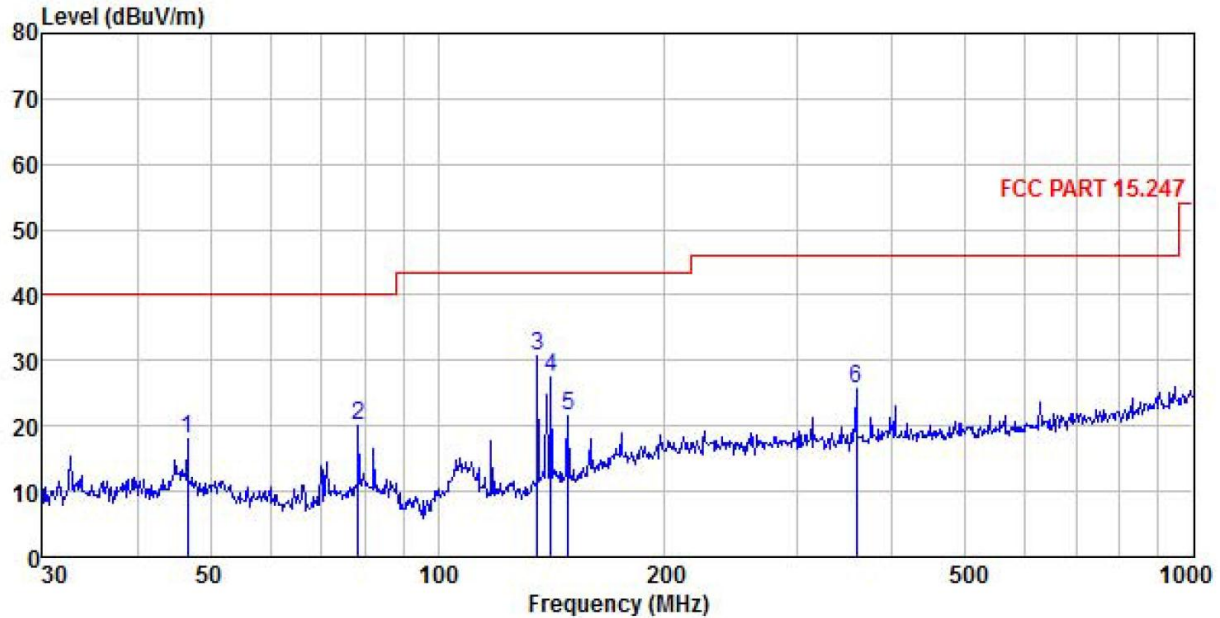
|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    |            |               |                  |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|---------------|------------------|
| Test Requirement:     | FCC Part15 C Section 15.209 and 15.205                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                    |            |               |                  |
| Test Frequency Range: | 9kHz to 25GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                    |            |               |                  |
| TestDistance:         | 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |            |               |                  |
| Receiver setup:       | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Detector           | RBW        | VBW           | Remark           |
|                       | 30MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quasi-peak         | 120KHz     | 300KHz        | Quasi-peak Value |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Peak               | 1MHz       | 3MHz          | Peak Value       |
| RMS                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1MHz               | 3MHz       | Average Value |                  |
| Limit:                | Frequency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Limit (dBuV/m @3m) |            |               | Remark           |
|                       | 30MHz-88MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 40.0               |            |               | Quasi-peak Value |
|                       | 88MHz-216MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 43.5               |            |               | Quasi-peak Value |
|                       | 216MHz-960MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 46.0               |            |               | Quasi-peak Value |
|                       | 960MHz-1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 54.0               |            |               | Quasi-peak Value |
|                       | Above 1GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 54.0               |            |               | Average Value    |
| 74.0                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                    | Peak Value |               |                  |
| Test Procedure:       | <div>1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the groundat a 3 meter chamber.The table was rotated 360 degrees todetermine the position of the highest radiation.</div> <div>2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.</div> <div>3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</div> <div>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.</div> <div>5. The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.</div> <div>6. If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10dB margin would bere-tested one by one using peak, quasi-peak or average method as specified andthen reported in a data sheet.</div> |                    |            |               |                  |
| Test setup:           | <div>Below 1GHz</div> <div></div> <div>Above 1GHz</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |            |               |                  |

|                   |                                                                                                                                                                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   |                                                                                                                                                                                         |
| Test Instruments: | Refer to section 5.9 for details                                                                                                                                                                                                                                          |
| Test mode:        | Refer to section 5.3 for details                                                                                                                                                                                                                                          |
| Test results:     | Passed                                                                                                                                                                                                                                                                    |
| Remark:           | <ol style="list-style-type: none"> <li>1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case.</li> <li>2. 9 kHz to 30MHz is lower than the limit 20dB, so only shows the data of above 30MHz in this report.</li> </ol> |

## Measurement Data(worst case):

## Below 1GHz:

|                 |                              |                |                     |
|-----------------|------------------------------|----------------|---------------------|
| Product Name:   | Personal Mobile Alarm System | Product Model: | EV-04               |
| Test By:        | Yaro                         | Test mode:     | Wi-Fi Tx mode       |
| Test Frequency: | 30 MHz ~ 1 GHz               | Polarization:  | Vertical            |
| Test Voltage:   | AC 120/60Hz                  | Environment:   | Temp: 24℃ Humi: 57% |

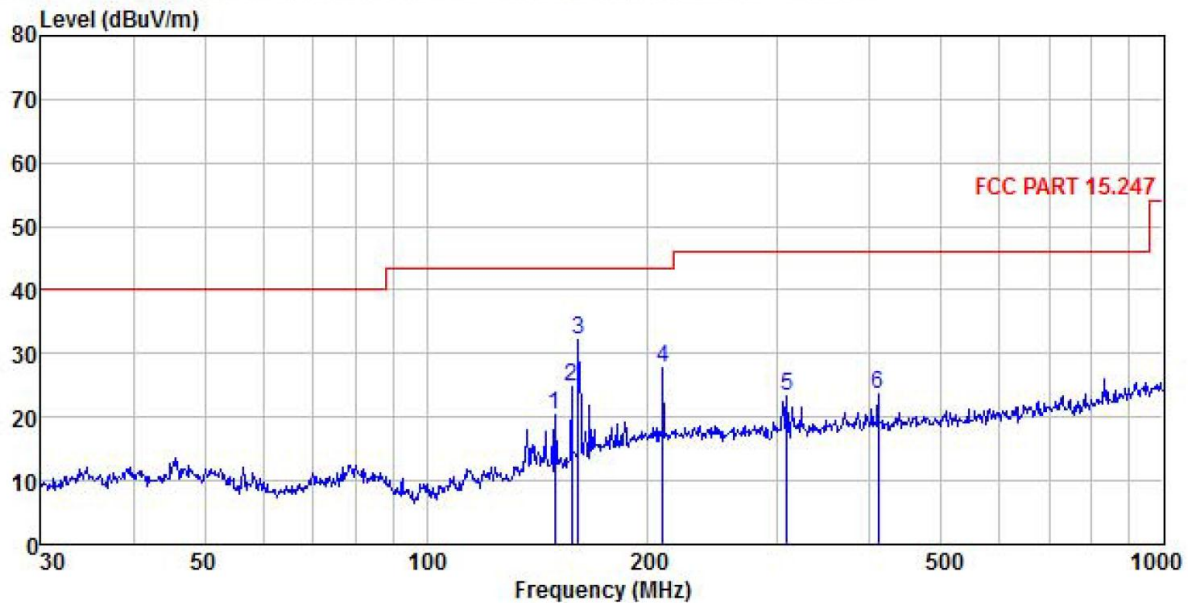


|   | Freq    | Read  | Antenna | Cable | Aux    | Preamp | Level  | Limit  | Over   |        |
|---|---------|-------|---------|-------|--------|--------|--------|--------|--------|--------|
|   | MHz     | Level | Factor  | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark |
|   | MHz     | dBuV  | dB/m    | dB    | dB     | dB     | dBuV/m | dBuV/m | dB     |        |
| 1 | 46.666  | 34.50 | 13.00   | 0.38  | 0.00   | 29.85  | 18.03  | 40.00  | -21.97 | QP     |
| 2 | 78.413  | 36.77 | 12.39   | 0.47  | 0.00   | 29.65  | 19.98  | 40.00  | -20.02 | QP     |
| 3 | 135.506 | 45.77 | 13.53   | 0.59  | 0.00   | 29.30  | 30.59  | 43.50  | -12.91 | QP     |
| 4 | 141.330 | 42.41 | 13.83   | 0.60  | 0.00   | 29.27  | 27.57  | 43.50  | -15.93 | QP     |
| 5 | 148.963 | 36.02 | 14.22   | 0.61  | 0.00   | 29.23  | 21.62  | 43.50  | -21.88 | QP     |
| 6 | 357.929 | 34.37 | 18.85   | 0.94  | 0.00   | 28.59  | 25.57  | 46.00  | -20.43 | QP     |

## Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

|                 |                              |                |                      |
|-----------------|------------------------------|----------------|----------------------|
| Product Name:   | Personal Mobile Alarm System | Product Model: | EV-04                |
| Test By:        | Yaro                         | Test mode:     | Wi-Fi Tx mode        |
| Test Frequency: | 30 MHz ~ 1 GHz               | Polarization:  | Horizontal           |
| Test Voltage:   | AC 120/60Hz                  | Environment:   | Temp: 24°C Humi: 57% |



|   | Freq    | Read Level | Antenna Factor | Cable Loss | Aux Factor | Preamp Factor | Level  | Limit Line | Over Limit | Remark |
|---|---------|------------|----------------|------------|------------|---------------|--------|------------|------------|--------|
|   | MHz     | dBuV       | dB/m           | dB         | dB         | dB            | dBuV/m | dBuV/m     | dB         |        |
| 1 | 149.486 | 34.82      | 14.26          | 0.62       | 0.00       | 29.22         | 20.48  | 43.50      | -23.02     | QP     |
| 2 | 157.559 | 38.21      | 15.01          | 0.63       | 0.00       | 29.15         | 24.70  | 43.50      | -18.80     | QP     |
| 3 | 160.909 | 45.16      | 15.52          | 0.63       | 0.00       | 29.12         | 32.19  | 43.50      | -11.31     | QP     |
| 4 | 209.313 | 37.47      | 18.34          | 0.73       | 0.00       | 28.77         | 27.77  | 43.50      | -15.73     | QP     |
| 5 | 308.913 | 32.33      | 18.72          | 0.87       | 0.00       | 28.47         | 23.45  | 46.00      | -22.55     | QP     |
| 6 | 410.383 | 32.23      | 19.12          | 1.00       | 0.00       | 28.80         | 23.55  | 46.00      | -22.45     | QP     |

**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.
2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

## Above 1GHz

| 802.11b                                                                                                |                   |                       |                 |                 |                          |                |                     |                 |              |
|--------------------------------------------------------------------------------------------------------|-------------------|-----------------------|-----------------|-----------------|--------------------------|----------------|---------------------|-----------------|--------------|
| Test channel: Lowest channel                                                                           |                   |                       |                 |                 |                          |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                          |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4824.00                                                                                                | 48.50             | 30.81                 | 6.81            | 2.46            | 41.82                    | 46.76          | 74.00               | -27.24          | Vertical     |
| 4824.00                                                                                                | 48.19             | 30.81                 | 6.81            | 2.46            | 41.82                    | 46.45          | 74.00               | -27.55          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                          |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4824.00                                                                                                | 40.41             | 30.81                 | 6.81            | 2.46            | 41.82                    | 38.67          | 54.00               | -15.33          | Vertical     |
| 4824.00                                                                                                | 40.11             | 30.81                 | 6.81            | 2.46            | 41.82                    | 38.37          | 54.00               | -15.63          | Horizontal   |
| Test channel: Middle channel                                                                           |                   |                       |                 |                 |                          |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                          |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 48.87             | 30.93                 | 6.85            | 2.47            | 41.84                    | 47.28          | 74.00               | -26.72          | Vertical     |
| 4874.00                                                                                                | 48.62             | 30.93                 | 6.85            | 2.47            | 41.84                    | 47.03          | 74.00               | -26.97          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                          |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 40.04             | 30.93                 | 6.85            | 2.47            | 41.84                    | 38.45          | 54.00               | -15.55          | Vertical     |
| 4874.00                                                                                                | 40.59             | 30.93                 | 6.85            | 2.47            | 41.84                    | 39.00          | 54.00               | -15.00          | Horizontal   |
| Test channel: Highest channel                                                                          |                   |                       |                 |                 |                          |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                          |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4924.00                                                                                                | 49.18             | 31.05                 | 6.89            | 2.48            | 41.86                    | 47.74          | 74.00               | -26.26          | Vertical     |
| 4924.00                                                                                                | 48.20             | 31.05                 | 6.89            | 2.48            | 41.86                    | 46.76          | 74.00               | -27.24          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                          |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamplifier Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4924.00                                                                                                | 40.50             | 31.05                 | 6.89            | 2.48            | 41.86                    | 39.06          | 54.00               | -14.94          | Vertical     |
| 4924.00                                                                                                | 40.20             | 31.05                 | 6.89            | 2.48            | 41.86                    | 38.76          | 54.00               | -15.24          | Horizontal   |
| Remark:                                                                                                |                   |                       |                 |                 |                          |                |                     |                 |              |
| 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.              |                   |                       |                 |                 |                          |                |                     |                 |              |
| 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report. |                   |                       |                 |                 |                          |                |                     |                 |              |

| 802.11g                                                                                                |                   |                       |                 |                 |                    |                |                     |                 |              |
|--------------------------------------------------------------------------------------------------------|-------------------|-----------------------|-----------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| Test channel: Lowest channel                                                                           |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4824.00                                                                                                | 48.20             | 30.81                 | 6.81            | 2.46            | 41.82              | 46.46          | 74.00               | -27.54          | Vertical     |
| 4824.00                                                                                                | 48.34             | 30.81                 | 6.81            | 2.46            | 41.82              | 46.60          | 74.00               | -27.40          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4824.00                                                                                                | 40.36             | 30.81                 | 6.81            | 2.46            | 41.82              | 38.62          | 54.00               | -15.38          | Vertical     |
| 4824.00                                                                                                | 40.31             | 30.81                 | 6.81            | 2.46            | 41.82              | 38.57          | 54.00               | -15.43          | Horizontal   |
| Test channel: Middle channel                                                                           |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 48.36             | 30.93                 | 6.85            | 2.47            | 41.84              | 46.77          | 74.00               | -27.23          | Vertical     |
| 4874.00                                                                                                | 48.11             | 30.93                 | 6.85            | 2.47            | 41.84              | 46.52          | 74.00               | -27.48          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 40.07             | 30.93                 | 6.85            | 2.47            | 41.84              | 38.48          | 54.00               | -15.52          | Vertical     |
| 4874.00                                                                                                | 40.43             | 30.93                 | 6.85            | 2.47            | 41.84              | 38.84          | 54.00               | -15.16          | Horizontal   |
| Test channel: Highest channel                                                                          |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4924.00                                                                                                | 48.60             | 31.05                 | 6.89            | 2.48            | 41.86              | 47.16          | 74.00               | -26.84          | Vertical     |
| 4924.00                                                                                                | 48.38             | 31.05                 | 6.89            | 2.48            | 41.86              | 46.94          | 74.00               | -27.06          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4924.00                                                                                                | 39.99             | 31.05                 | 6.89            | 2.48            | 41.86              | 38.55          | 54.00               | -15.45          | Vertical     |
| 4924.00                                                                                                | 40.82             | 31.05                 | 6.89            | 2.48            | 41.86              | 39.38          | 54.00               | -14.62          | Horizontal   |
| Remark:                                                                                                |                   |                       |                 |                 |                    |                |                     |                 |              |
| 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.              |                   |                       |                 |                 |                    |                |                     |                 |              |
| 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report. |                   |                       |                 |                 |                    |                |                     |                 |              |

| 802.11n(HT20)                                                                                          |                   |                       |                 |                 |                    |                |                     |                 |              |
|--------------------------------------------------------------------------------------------------------|-------------------|-----------------------|-----------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| Test channel: Lowest channel                                                                           |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4824.00                                                                                                | 48.99             | 30.81                 | 6.81            | 2.46            | 41.82              | 47.25          | 74.00               | -26.75          | Vertical     |
| 4824.00                                                                                                | 48.48             | 30.81                 | 6.81            | 2.46            | 41.82              | 46.74          | 74.00               | -27.26          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4824.00                                                                                                | 39.60             | 30.81                 | 6.81            | 2.46            | 41.82              | 37.86          | 54.00               | -16.14          | Vertical     |
| 4824.00                                                                                                | 40.83             | 30.81                 | 6.81            | 2.46            | 41.82              | 39.09          | 54.00               | -14.91          | Horizontal   |
| Test channel: Middle channel                                                                           |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 49.30             | 30.93                 | 6.85            | 2.47            | 41.84              | 47.71          | 74.00               | -26.29          | Vertical     |
| 4874.00                                                                                                | 48.92             | 30.93                 | 6.85            | 2.47            | 41.84              | 47.33          | 74.00               | -26.67          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 39.61             | 30.93                 | 6.85            | 2.47            | 41.84              | 38.02          | 54.00               | -15.98          | Vertical     |
| 4874.00                                                                                                | 40.96             | 30.93                 | 6.85            | 2.47            | 41.84              | 39.37          | 54.00               | -14.63          | Horizontal   |
| Test channel: Highest channel                                                                          |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4924.00                                                                                                | 49.36             | 31.05                 | 6.89            | 2.48            | 41.86              | 47.92          | 74.00               | -26.08          | Vertical     |
| 4924.00                                                                                                | 49.29             | 31.05                 | 6.89            | 2.48            | 41.86              | 47.85          | 74.00               | -26.15          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4924.00                                                                                                | 39.84             | 31.05                 | 6.89            | 2.48            | 41.86              | 38.40          | 54.00               | -15.60          | Vertical     |
| 4924.00                                                                                                | 41.40             | 31.05                 | 6.89            | 2.48            | 41.86              | 39.96          | 54.00               | -14.04          | Horizontal   |
| Remark:                                                                                                |                   |                       |                 |                 |                    |                |                     |                 |              |
| 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.              |                   |                       |                 |                 |                    |                |                     |                 |              |
| 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report. |                   |                       |                 |                 |                    |                |                     |                 |              |

| 802.11n(HT40)                                                                                          |                   |                       |                 |                 |                    |                |                     |                 |              |
|--------------------------------------------------------------------------------------------------------|-------------------|-----------------------|-----------------|-----------------|--------------------|----------------|---------------------|-----------------|--------------|
| Test channel: Lowest channel                                                                           |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4844.00                                                                                                | 48.59             | 30.87                 | 6.83            | 2.46            | 41.83              | 46.92          | 74.00               | -27.08          | Vertical     |
| 4844.00                                                                                                | 48.56             | 30.87                 | 6.83            | 2.46            | 41.83              | 46.89          | 74.00               | -27.11          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4844.00                                                                                                | 39.74             | 30.87                 | 6.83            | 2.46            | 41.83              | 38.07          | 54.00               | -15.93          | Vertical     |
| 4844.00                                                                                                | 41.17             | 30.87                 | 6.83            | 2.46            | 41.83              | 39.50          | 54.00               | -14.50          | Horizontal   |
| Test channel: Middle channel                                                                           |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 48.21             | 30.93                 | 6.85            | 2.47            | 41.84              | 46.62          | 74.00               | -27.38          | Vertical     |
| 4874.00                                                                                                | 48.56             | 30.93                 | 6.85            | 2.47            | 41.84              | 46.97          | 74.00               | -27.03          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4874.00                                                                                                | 39.30             | 30.93                 | 6.85            | 2.47            | 41.84              | 37.71          | 54.00               | -16.29          | Vertical     |
| 4874.00                                                                                                | 41.46             | 30.93                 | 6.85            | 2.47            | 41.84              | 39.87          | 54.00               | -14.13          | Horizontal   |
| Test channel: Highest channel                                                                          |                   |                       |                 |                 |                    |                |                     |                 |              |
| Detector: PeakValue                                                                                    |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4904.00                                                                                                | 47.85             | 30.99                 | 6.87            | 2.48            | 41.85              | 46.34          | 74.00               | -27.66          | Vertical     |
| 4904.00                                                                                                | 48.52             | 30.99                 | 6.87            | 2.48            | 41.85              | 47.01          | 74.00               | -26.99          | Horizontal   |
| Detector: AverageValue                                                                                 |                   |                       |                 |                 |                    |                |                     |                 |              |
| Frequency (MHz)                                                                                        | Read Level (dBuV) | Antenna Factor (dB/m) | Cable Loss (dB) | Aux Factor (dB) | Preamp Factor (dB) | Level (dBuV/m) | Limit Line (dBuV/m) | Over Limit (dB) | Polarization |
| 4904.00                                                                                                | 39.72             | 30.99                 | 6.87            | 2.48            | 41.85              | 38.21          | 54.00               | -15.79          | Vertical     |
| 4904.00                                                                                                | 41.23             | 30.99                 | 6.87            | 2.48            | 41.85              | 39.72          | 54.00               | -14.28          | Horizontal   |
| Remark:                                                                                                |                   |                       |                 |                 |                    |                |                     |                 |              |
| 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor.              |                   |                       |                 |                 |                    |                |                     |                 |              |
| 2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report. |                   |                       |                 |                 |                    |                |                     |                 |              |