

### ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

### **CLASS II & IV PC REPORT**

|                       | OF                                   |
|-----------------------|--------------------------------------|
| Applicant:            | Framework Computer Inc               |
|                       | 1870 Ogden Dr, Burlingame, CA, 94010 |
| Product Name:         | Intel WiFi 6E AX210 Module           |
| Brand Name:           | Framework                            |
| Model No.:            | AX210NGW                             |
| Model Difference:     | N/A                                  |
| Report Number:        | ER/2021/50048                        |
| FCC ID                | 2AZR6-FRANBBAT12                     |
| IC:                   | 27217-FRANBBAT12                     |
| FCC Rule Part:        | §15.247, Cat: DSS                    |
| IC RSS:               | RSS-247 issue 2 Feb 2017             |
| Issue Date:           | July 9, 2021                         |
| Date of Test:         | June 7, 2021- June 15, 2021          |
| Date of EUT Received: | April 29, 2021                       |

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Central RF Lab The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10:2013 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits. The test results of this report relate only to the tested sample identified in this report.

Men Cary

Approved By:

Blue Yang / Asst. Manager



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| Revision History   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Report Number Revision Description Issue Date Revised By |  |  |  |  |  |  |
| ER/2021/50048 00 Original. July 9, 2021 Karen Huang      |  |  |  |  |  |  |

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#### **GENERAL INFORMATION** 1

#### 1.1 **Product description**

| -   |  |
|---|--|
| Product Name of Host:                     | Portable Computer  |
| Brand Name of Host:                       | Framework  |
| Marketing Name of Host:                   | Framework Laptop   |
| Model No. of Host:                        | FRANBP0000   |
| Hardware Version:                         | N/A  |
| Software Version:                         | N/A  |
| Model No. of<br>BT/WLAN Module:           | AX210NGW   |
| Scope:                                    | AX210NGW INSTALLED IN Notebook Computer  |
| Class II & Class IV<br>Permissive change: | The test report covers the radiated emissions requirements of the standards referenced in the report to allow system level approval of the module in this specific host. |
| EUT Series No.:                           | 1D300C2C-E2EA-479B-990C-0F8D63BEC3DC   |
| Power Supply:                             | 15.4V DC from rechargeable Li-ion battery or<br>5.0V=3.0A 15.0W, 9.0V=3.0A 27.0W, 15.0V=3.0A 45.0W,<br>20.0V=3.0A 60.0W from adapter.                                    |

| Radio Technology: | Bluetooth BR+EDR        |  |
|-------------------|-------------------------|--|
| Channel number:   | 79 channels             |  |
| Modulation type:  | GFSK + π/4DQPSK + 8DPSK |  |
| Frequency Range:  | 2.402GHz – 2.480GHz     |  |
| Dwell Time:       | $\leq$ 0.4s             |  |

#### 1.2 **Antenna Designation**

| Antenna<br>Type | Brand  | Main / Aux | Antenna<br>Part No.      | Freq.  | Peak<br>Antenna<br>Gain (dBi) | Worst<br>Antenna<br>Gain |  |  |
|-----------------|--|------------|--------------------------|--------|-------------------------------|--------------------------|--|--|
| PIFA            | AWAN   | Aux        | AXF6Y200005(DC33002JW00) | 2.4GHz | 1.238                         | -                        |  |  |
| Note:           |  |            |                          |        |                               |                          |  |  |
| 1.              | 1. Pre-scanned was done on the above antennas, measurements were demonstrated by using the |            |                          |        |                               |                          |  |  |

- antenna with the highest gain as the worst case scenarios.
- Antenna information is provided by the applicant. 2.

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#### 1.3 **Test Methodology of Applied Standards**

FCC Part 15, Subpart C §15.247 FCC KDB 558074 D01 15.247 Meas. Guidance v05r02 RSS-247 issue 2 Feb. 2017 RSS-Gen Issue 5, Amendment 2, February 2021 ANSI C63.10:2013

#### 1.4 **Test Facility**

| Laboratory      | Test Site Address  | Test Site Name | FCC Designa-<br>tion number | IC CAB<br>identifier |  |  |  |  |
|-----------------|--|----------------|-----------------------------|----------------------|--|--|--|--|
|                 |  | SAC 1          |                             |                      |  |  |  |  |
|                 |  | SAC 3          |                             |                      |  |  |  |  |
|                 |  | Conduction 1   |                             |                      |  |  |  |  |
|                 | No.134, Wu Kung Road, New Taipei                                   | Conducted 1    |                             |                      |  |  |  |  |
|                 | Industrial Park, Wuku District, New                                | Conducted 2    | TW0027                      |                      |  |  |  |  |
|                 | Taipei City, Taiwan.   | Conducted 3    | _                           |                      |  |  |  |  |
|                 |  | Conducted 4    |                             | TW3702               |  |  |  |  |
|                 |  | Conducted 5    |                             |                      |  |  |  |  |
| SGS Taiwan Ltd. |  | Conducted 6    |                             |                      |  |  |  |  |
| Central RF Lab. | No.2, Keji 1st Rd., Guishan District,<br>Taoyuan City, Taiwan 333  | Conduction A   |                             |                      |  |  |  |  |
| (TAF code 3702) |  | SAC C          | TW0028                      |                      |  |  |  |  |
|                 |  | SAC D          |                             |                      |  |  |  |  |
|                 |  | SAC G          |                             |                      |  |  |  |  |
|                 |  | Conducted A    |                             |                      |  |  |  |  |
|                 |  | Conducted B    |                             |                      |  |  |  |  |
|                 | habyaan ony, hawan ooo   | Conducted C    | -                           |                      |  |  |  |  |
|                 |  | Conducted D    | -                           |                      |  |  |  |  |
|                 |  | Conducted E    | -                           |                      |  |  |  |  |
|                 |  | Conducted F    | -                           |                      |  |  |  |  |
| Conducted G     |  |                |                             |                      |  |  |  |  |
|                 | ame is remarked on the equipmen<br>measurements occurred in specif |                | -                           | s an indica-         |  |  |  |  |

#### 1.5 **Special Accessories**

There is no special accessory used while test was conducted.

#### 1.6 **Equipment Modifications**

There was no modification incorporated into the EUT.

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# 2 SYSTEM TEST CONFIGURATION

### 2.1 EUT Configuration

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

### 2.2 EUT Exercise

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

### 2.3 Test Procedure

### 2.3.1 Radiated Emissions

The EUT is a placed on a turn table. For emissions testing at or below 1 GHz, the table height shall be 0.8 m above the reference ground plane. For emission measurements above 1 GHz, the table height shall be 1.5 m. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.

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#### 2.4 **Measurement Results Explanation Example**

### 2.4.1 Radiated Emission Test Sites For Measurements From 9 kHz To 30 MHz

Radiated emission below 30MHz is measured in a 9m\*9m\*6m semi-anechoic chamber, the measurements correspond to those obtained at an open-field test site.

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

#### 2.5 **Configuration of Tested System**

Fig. 2-1 Radiated Emission



### Table 2-1 Equipment Used in Tested System

| Item | Equipment | MRF/Brand | Model/Type No. | Series No. | Version             |
|------|-----------|-----------|----------------|------------|---------------------|
| 1    | DRTU      | N/A       | N/A            | N/A        | 21.350120.0.0-01117 |

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#### SUMMARY OF TEST RESULTS 3

| FCC Rules             | IC Rules                     | Description Of Test        | Result    |
|-----------------------|------------------------------|----------------------------|-----------|
| §15.209<br>§15.247(d) | RSS-247 §5.5<br>RSS-Gen §8.9 | Radiated Spurious Emission | Compliant |

#### **DESCRIPTION OF TEST MODES** 4

#### 4.1 Operated in 2400 ~ 2483.5MHz Band

79 channels are provided for Bluetooth

| ITEM | FREQUENCY | ITEM | FREQUENCY | ITEM | FREQUENCY | ITEM | FREQUENCY |
|------|-----------|------|-----------|------|-----------|------|-----------|
| 1    | 2402 MHz  | 21   | 2422 MHz  | 41   | 2442 MHz  | 71   | 2462 MHz  |
| 2    | 2403 MHz  | 22   | 2423 MHz  | 42   | 2443 MHz  | 72   | 2463 MHz  |
| 3    | 2404 MHz  | 23   | 2424 MHz  | 43   | 2444 MHz  | 73   | 2464 MHz  |
| 4    | 2405 MHz  | 24   | 2425 MHz  | 44   | 2445 MHz  | 74   | 2465 MHz  |
| 5    | 2406 MHz  | 25   | 2426 MHz  | 45   | 2446 MHz  | 75   | 2466 MHz  |
| 6    | 2407 MHz  | 26   | 2427 MHz  | 46   | 2447 MHz  | 76   | 2467 MHz  |
| 7    | 2408 MHz  | 27   | 2428 MHz  | 47   | 2448 MHz  | 77   | 2468 MHz  |
| 8    | 2409 MHz  | 28   | 2429 MHz  | 48   | 2449 MHz  | 78   | 2469 MHz  |
| 9    | 2410 MHz  | 29   | 2430 MHz  | 49   | 2450 MHz  | 79   | 2470 MHz  |
| 10   | 2411 MHz  | 30   | 2431 MHz  | 50   | 2451 MHz  | 70   | 2471 MHz  |
| 11   | 2412 MHz  | 31   | 2432 MHz  | 51   | 2452 MHz  | 71   | 2472 MHz  |
| 12   | 2413 MHz  | 32   | 2433 MHz  | 52   | 2453 MHz  | 72   | 2473 MHz  |
| 13   | 2414 MHz  | 33   | 2434 MHz  | 53   | 2454 MHz  | 73   | 2474 MHz  |
| 14   | 2415 MHz  | 34   | 2435 MHz  | 54   | 2455 MHz  | 74   | 2475 MHz  |
| 15   | 2416 MHz  | 35   | 2436 MHz  | 55   | 2456 MHz  | 75   | 2476 MHz  |
| 16   | 2417 MHz  | 36   | 2437 MHz  | 56   | 2457 MHz  | 76   | 2477 MHz  |
| 17   | 2418 MHz  | 37   | 2438 MHz  | 57   | 2458 MHz  | 77   | 2478 MHz  |
| 18   | 2419 MHz  | 38   | 2439 MHz  | 58   | 2459 MHz  | 78   | 2479 MHz  |
| 19   | 2420 MHz  | 39   | 2440 MHz  | 59   | 2460 MHz  | 79   | 2480 MHz  |
| 20   | 2421 MHz  | 40   | 2441 MHz  | 60   | 2461 MHz  |      |           |

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#### 4.2 The Worst Test Modes and Channel Details

- 1 The EUT has been tested under operating condition.
- Test program used to control the EUT for staying in continuous transmitting and receiving 2 mode is programmed.
- Investigation has been done on all the possible configurations for searching the worst case. 3

| RADIATED EMISSION TEST (BELOW 1 GHz) |                      |                   |                  |                |
|--------------------------------------|----------------------|-------------------|------------------|----------------|
| MODE                                 | AVAILABLE<br>CHANNEL | TESTED<br>CHANNEL | MODULATION       | PACKET<br>TYPE |
| Bluetooth                            | 0 to 78              | 39                | GFSK             | DH5            |
|                                      | RADI                 | ATED EMISSION TES | ST (ABOVE 1 GHz) |                |
| MODE                                 | AVAILABLE<br>CHANNEL | TESTED<br>CHANNEL | MODULATION       | PACKET<br>TYPE |
| Bluetooth                            | 0 to 78              | 0,39,78           | GFSK / 8DPSK     | DH5 / 2DH5     |

Note: The field strength of radiation emission was measured as NB plane.

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#### **MEASUREMENT UNCERTAINTY** 5

| Test Items                                | Uncertainty |      | nty |
|---|-------------|------|-----|
| AC Power Line Conducted Emission          | +/-         | 2.34 | dB  |
| Peak Output Power                         | +/-         | 1    | dB  |
| Emission Bandwidth                        | +/-         | 1.53 | Hz  |
| 100 kHz Bandwidth Of Frequency Band Edges | +/-         | 1.69 | dB  |
| Frequency Separation                      | +/-         | 1.53 | Hz  |
| Number of hopping frequency               | +/-         | 1.53 | Hz  |
| Time of Occupancy                         | +/-         | 1.53 | Hz  |
| Temperature                               | +/-         | 0.4  | °C  |
| Humidity                                  | +/-         | 3.5  | %   |
| DC / AC Power Source                      | +/-         | 1    | %   |

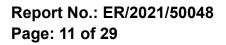
| Radiated Spurious Emission Measurement Uncertainty |     |      |    |                 |  |  |
|--|-----|------|----|-----------------|--|--|
|  | +/- | 2.64 | dB | 9kHz~30MHz      |  |  |
| Dolorization: Vortical                             | +/- | 4.93 | dB | 30MHz - 1000MHz |  |  |
| Polarization: Vertical                             | +/- | 4.81 | dB | 1GHz - 18GHz    |  |  |
|  | +/- | 4.52 | dB | 18GHz - 40GHz   |  |  |
|  | +/- | 2.64 | dB | 9kHz~30MHz      |  |  |
| Polarization: Horizontal                           | +/- | 4.45 | dB | 30MHz - 1000MHz |  |  |
|  | +/- | 4.81 | dB | 1GHz - 18GHz    |  |  |
|  | +/- | 4.52 | dB | 18GHz - 40GHz   |  |  |

### Note:

- 1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.
- 2. The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

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## 6 RADIATED BANDEDGE AND SPURIOUS EMISSION MEASUREMENT

### 6.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a, for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

| Frequency<br>(MHz) | Field strength<br>(microvolts/meter) | Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------|
| 0.009-0.490        | 2400/F(kHz)                          | 300                  |
| 0.490-1.705        | 24000/F(kHz)                         | 30                   |
| 1.705-30           | 30                                   | 30                   |
| 30-88              | 100                                  | 3                    |
| 88-216             | 150                                  | 3                    |
| 216-960            | 200                                  | 3                    |
| Above 960          | 500                                  | 3                    |

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level ( $dB\mu V/m$ ) = 20 log Emission level ( $\mu V/m$ )

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#### 6.2 **Measurement Equipment Used**

|                            | Radiated Emission Test Site: SAC 3 |                      |                        |            |            |  |
|----------------------------|------------------------------------|----------------------|------------------------|------------|------------|--|
| EQUIPMENT TYPE             | MFR                                | MODEL NUM-<br>BER    | SERIAL<br>NUMBER       | LAST CAL.  | CAL DUE.   |  |
| Horn Antenna               | SCHWARZBECK                        | BBHA9170             | 184                    | 12/11/2020 | 12/10/2021 |  |
| Horn Antenna               | SCHWARZBECK                        | BBHA9120D            | 1441                   | 10/16/2020 | 10/15/2021 |  |
| Bi-log Antenna             | SCHWARZBECK                        | VULB9168             | 378                    | 08/06/2020 | 08/05/2021 |  |
| Loop Antenna               | ETS.LINDGREN                       | 6502                 | 148045                 | 10/19/2020 | 10/18/2021 |  |
| PXA Spectrum Ana-<br>lyzer | Agilent                            | N9030A               | MY53120760             | 04/27/2021 | 04/26/2022 |  |
| EMI Test Receiver          | R&S                                | ESCI 7               | 100759                 | 07/13/2020 | 07/12/2021 |  |
| Pre-Amplifier              | HP                                 | 8449B                | 3008A00578             | 12/16/2020 | 12/15/2021 |  |
| Pre-Amplifier              | EMC Instruments                    | EMC184045B           | 980135                 | 12/16/2020 | 12/15/2021 |  |
| Pre-Amplifier              | HP                                 | 8447D                | 2944A07676             | 12/16/2020 | 12/15/2021 |  |
| Attenuator                 | Mini-Circuit                       | BW-S10W2+            | 4                      | 12/16/2020 | 12/15/2021 |  |
| Filter 2400-2483.5<br>MHz  | EWT                                | EWT-14-0166          | M1                     | 12/16/2020 | 12/15/2021 |  |
| High Pass Filter           | WI                                 | WHKX4.0/18G-<br>10SS | 22                     | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX 102         | MY2636/2               | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX 104         | 340057/4               | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX<br>104PEA   | 800052/2               | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX 102         | MY2621/2               | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX 102         | MY2617/2               | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX 102         | MY2630/2               | 12/16/2020 | 12/15/2021 |  |
| Coaxial Cable              | Huber Suhner                       | SUCOFLEX 102         | MY22962/2              | 12/16/2020 | 12/15/2021 |  |
| Site Cal                   | SGS                                | SAC III chamber      | N/A                    | 01/01/2021 | 12/31/2021 |  |
| Test Software              | audix                              | e3                   | Ver. 6.11-<br>20180413 | N.C.R      | N.C.R      |  |

NOTE: N.C.R refers to Not Calibrated Required.

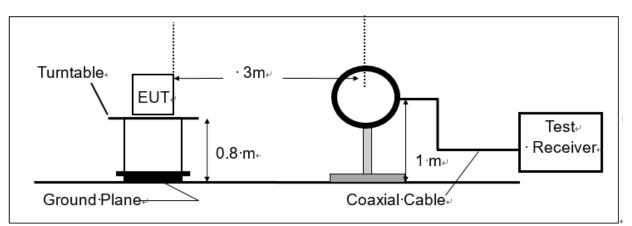
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(W) ポラプ有効(例) 「山根古宅未識到)構成之体的良見「同時山体和回転(常報)の人、物店子株型やな可者面前可) 「小口回的(授税) This document is issued by the Company subject to is General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemni-fication and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized atteration, 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.

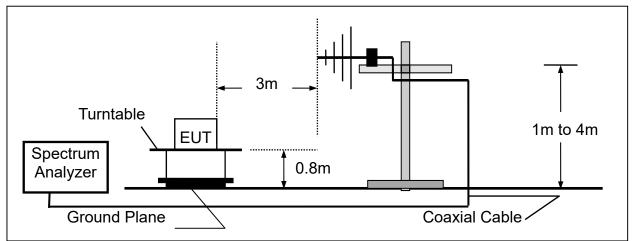


#### 6.3 **Test SET-UP**

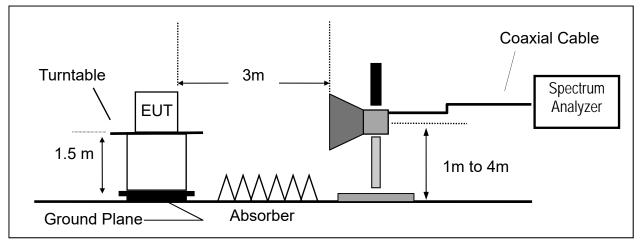
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



(B) Radiated Emission Test Set-Up, Frequency Form 30MHz to 1000MHz



(C) Radiated Emission Test Set-Up, Frequency Above 1 GHz



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### 6.4 Measurement Procedure

### 6.4.1 Radiated Emission

- 1. The testing follows the Measurement Procedure of ANSI C63.10:2013.
- 2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plan.
- 3. The turn table shall rotate 360 degrees to determine the position of maximum emission level.
- 4. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- 5. Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
- 6. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
- Set the spectrum analyzer as RBW=1 MHz, VBW=10 Hz (Duty cycle > 98%) or VBW ≥ 1/T (Duty cycle < 98%) for Average Detector at frequency above 1 GHz.</li>
- 8. When measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna.
- 9. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. On spectrum, change spectrum mode in linear display mode, and reduce VBW = 10Hz if average reading is measured.
- 11. Repeat above procedures until all default test channel measured were complete.

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### 6.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

# FS = RA + AF + CL - AG

Where FS = Field Strength RA = Reading Amplitude AF = Antenna Factor CL = Cable Attenuation Factor (Cable Loss) AG = Amplifier Gain

The limit of the emission level is expressed in dBuV/m, which converts 20\*log(uV/m)

Actual FS( $dB\mu V/m$ ) = SPA. Reading level( $dB\mu V$ ) + Factor(dB) Factor(dB) = Antenna Factor( $dB\mu V/m$ ) + Cable Loss(dB) – Pre\_Amplifier Gain(dB)

### 6.6 Test Results of Radiated Spurious Emissions form 9 kHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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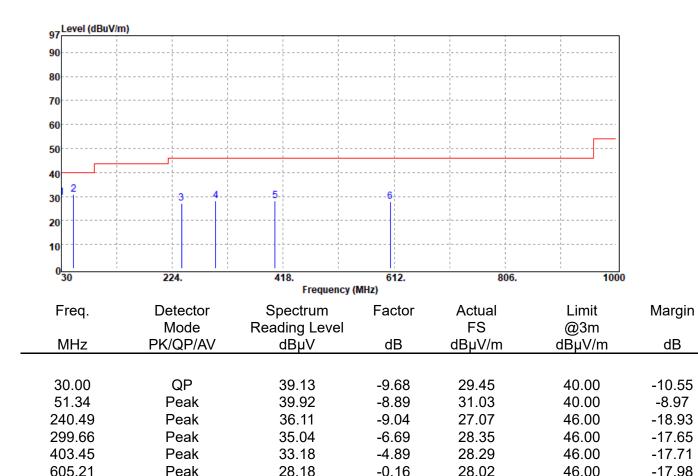
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### 6.7 Measurement Result:

### 6.7.1 Radiated Spurious Emission form 30MHz to 1000MHz:

| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2441 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Mid     | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |



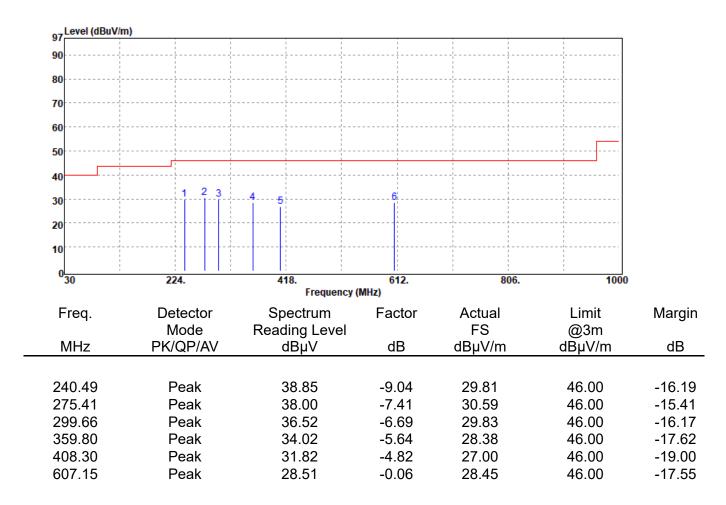
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| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2441 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Mid     | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



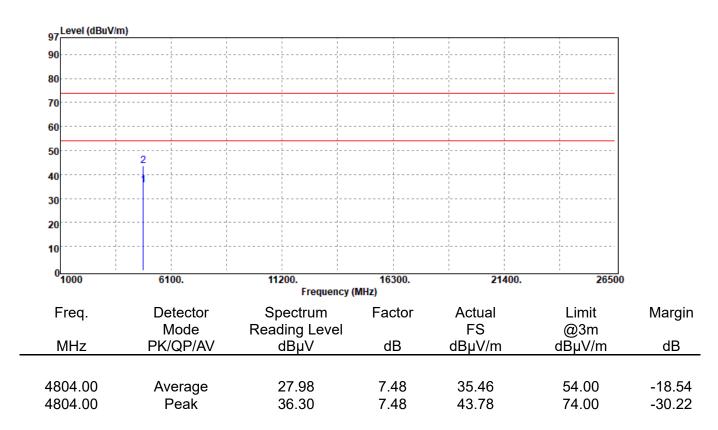
t (886-2) 2299-3279

### Report No.: ER/2021/50048 Page: 18 of 29



#### 6.7.2 **Radiated Spurious Emission above 1 GHz:**

| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2402 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Low     | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |

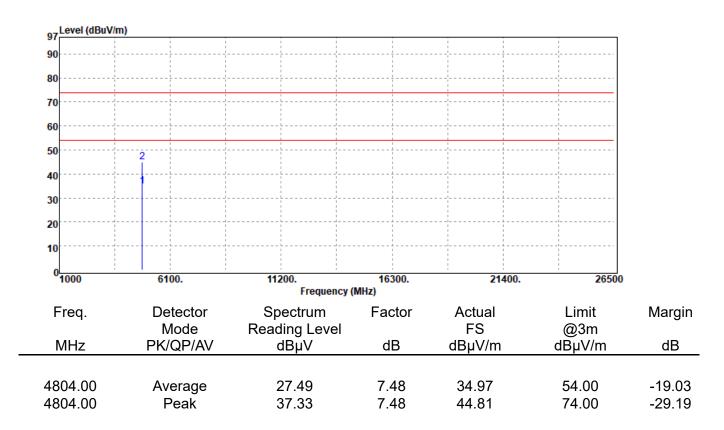


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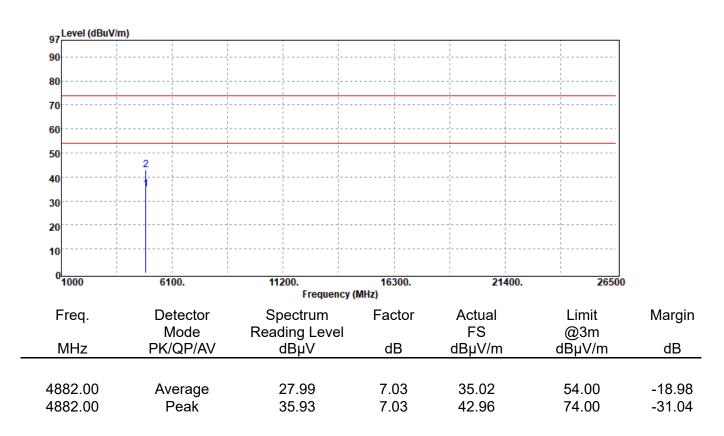


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2402 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Low     | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



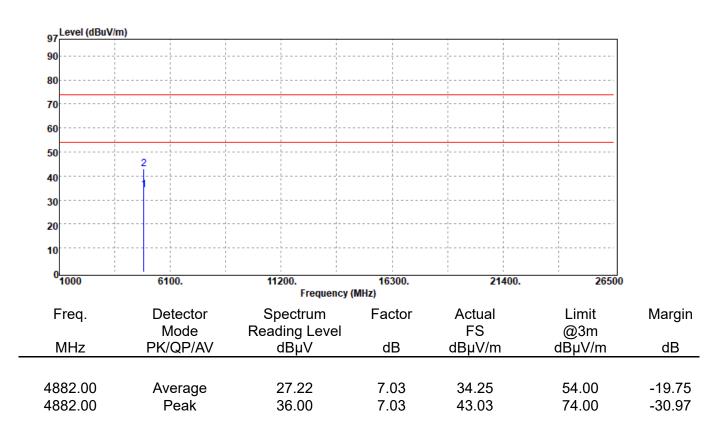


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2441 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Mid     | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



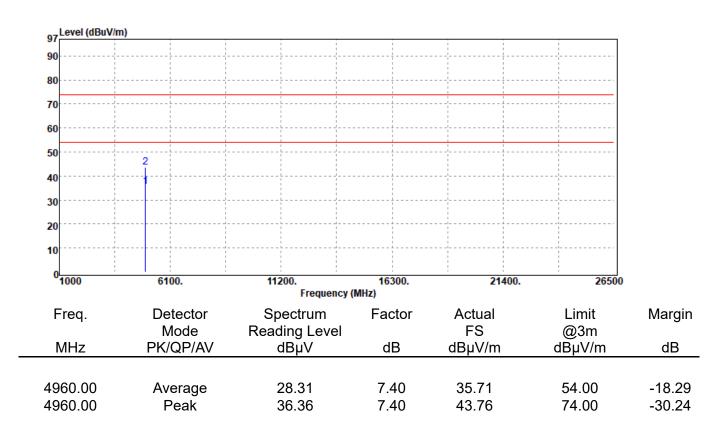


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2441 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Mid     | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



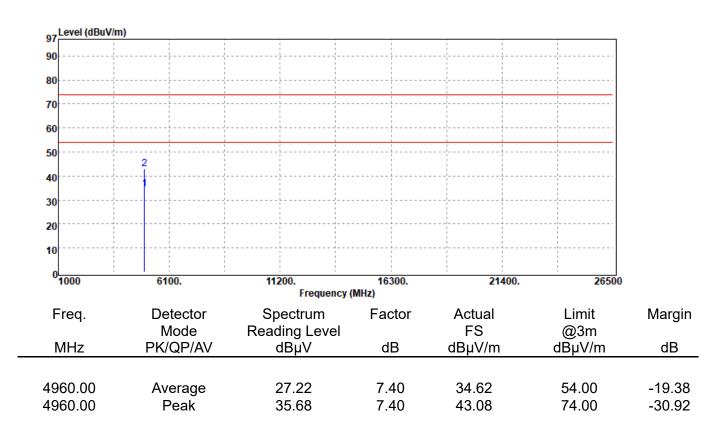


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2480 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH High    | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



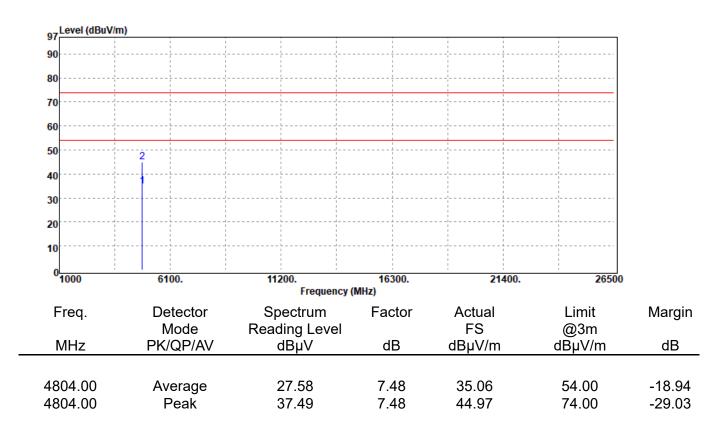


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT BR         | Test Date    | :2021-06-08      |
| Test Frequency | :2480 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH High    | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



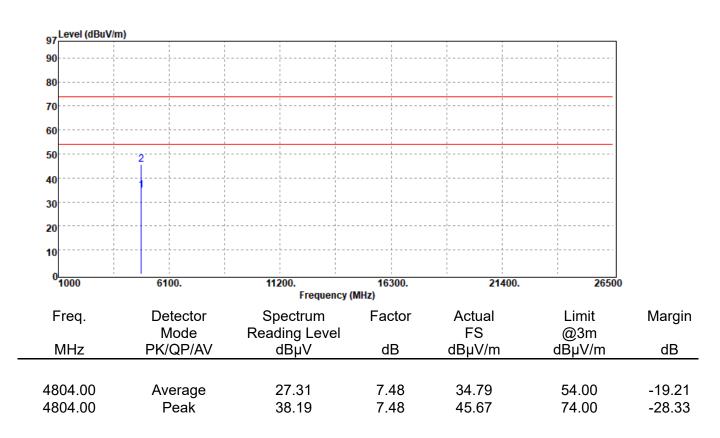


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT EDR        | Test Date    | :2021-06-08      |
| Test Frequency | :2402 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Low     | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



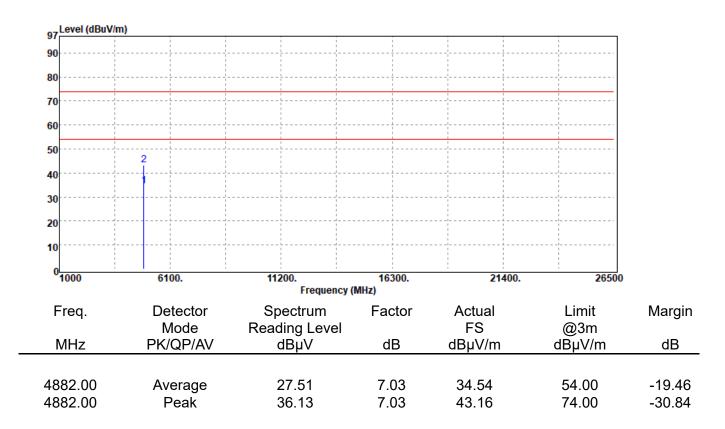


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT EDR        | Test Date    | :2021-06-08      |
| Test Frequency | :2402 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Low     | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



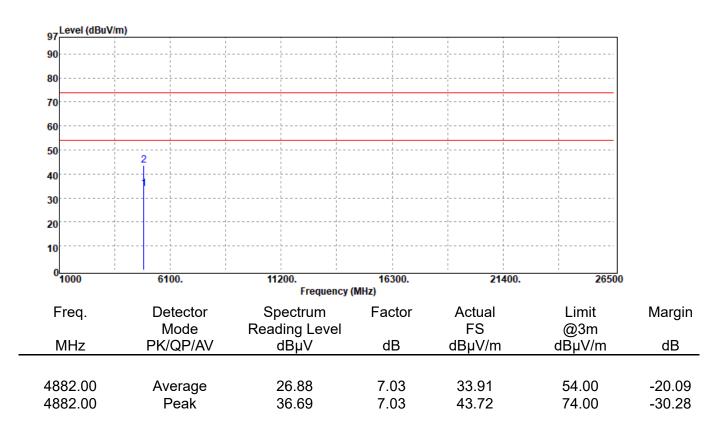


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT EDR        | Test Date    | :2021-06-08      |
| Test Frequency | :2441 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Mid     | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



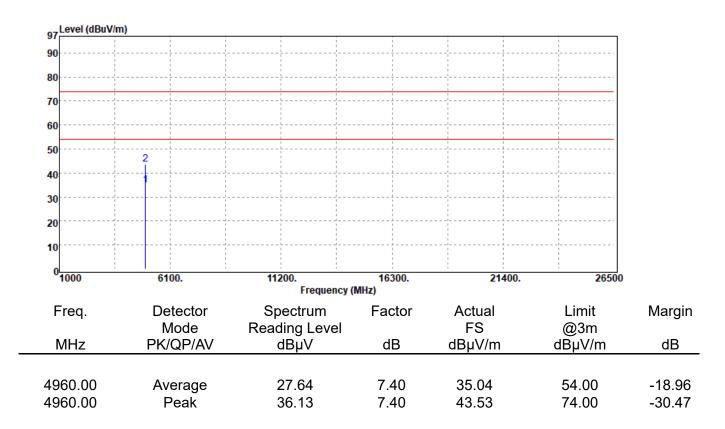


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT EDR        | Test Date    | :2021-06-08      |
| Test Frequency | :2441 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH Mid     | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



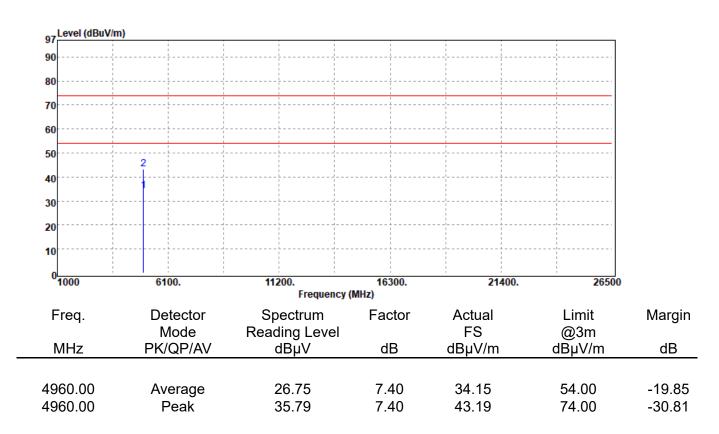


| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT EDR        | Test Date    | :2021-06-08      |
| Test Frequency | :2480 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH High    | Antenna Pol. | :VERTICAL        |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |





| Report Number  | :ER-2021-50048 | Test Site    | :SAC III Chamber |
|----------------|----------------|--------------|------------------|
| Operation Mode | :BT EDR        | Test Date    | :2021-06-08      |
| Test Frequency | :2480 MHz      | Temp./Humi.  | :23.7/64         |
| Test Mode      | :Tx CH High    | Antenna Pol. | :HORIZONTAL      |
| EUT Pol        | :NB Plane      | Engineer     | :Nick Lin        |
|                |                |              |                  |



~ End of Report ~

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. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。