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ELECTROMAGNETIC EMISSIONS COMPLIANCE CLASS II IV PERMISSIVE CHANGE REPORT





Applicant: Acer Incorporated

8F., No. 88, Sec. 1, Xintai 5th Rd., Xizhi, New Taipei City

22181, Taiwan (R.O.C)

Product Name: Notebook Computer

Brand Name: acer

FCC Model No.: N20Q10

IC Model No.: R722T

Model Difference: N/A

Report Number: E2/2021/A0059

FCC ID **HLZ-QCNFA324**

IC: 1754F-QCNFA324

Issue Date: Nov.17,2021

Date of Test: Oct.12,2021~Oct.19,2021

Date of EUT Received: Oct.08,2021

Approved By

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 comply with FCC rule part §15.247, ISED RSS-247.

The results of this report relate only to the sample identified in this report.

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| Revision History | | | | | | | |
|---|--------|-----------|-------------|----------|---|--|--|
| Report Number Revision Description Issue Date Revised By Remark | | | | | | | |
| E2/2021/A0059 | Rev.00 | Original. | Nov.17,2021 | Viola Su | - | | |

Note:

- 1 . The remark "*" indicates modification of the report upon requests from certification
- 2 · Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

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台灣檢驗科技股份有限公司

f (886-2) 2298-0488



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GENERAL INFORMATION

1.1 **Product Description**

| Product Name of Host: | Notebook Computer |
|---|--|
| Brand Name of Host: | acer |
| Model No. of FCC Host: | N20Q10 |
| Model No. of IC Host: | R722T |
| Hardware Version: | N/A |
| Software Version: | 4.0.00172.0 |
| Model No. of BT/WLAN Module: | QCNFA324 |
| Scope: | QCNFA324 INSTALLED IN Notebook Computer |
| Class II & Class IV 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.: | N8AZCWW0011362465B7600 |
| Power Supply: | 11.55Vdc from Rechargeable Lithium Ion Battery Pack 5 / 9 / 12 / 15 / 20Vdc from AC/DC Adapter |

1.2 **RF Specification**

| Radio Technology: | BLE |
|-------------------|----------------|
| Frequency Range: | 2402 – 2480MHz |
| Channel number: | 40 channels |
| Modulation type: | GFSK |

1.3 **Module Report**

| Test Lab | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan |
|---------------|--|
| | Branch Hsin Chu Laboratory. |
| Report Number | RF140808E04 |

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1.4 **Antenna Designation**

| Antenna Type | Supplier | Antenna Part No. | Mode | Main/Aux | Freq. (MHz) | Peak An- tenna Gain (dBi) |
|-----------------|---------------------|----------------------------------|-----------|----------|----------------|---------------------------------|
| PIFA | Wistran NoWah Corn | Pico (ZDGB) C | Open Mode | | 2402~2480 | 1.08 |
| PIFA | Wistron NeWeb Corp. | n Nevveb Corp. Build Tablet Mode | | Aux | 2402~2480 | -0.66 |

1.5 Test Methodology of Applied Standards

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

1.6 **Test Facility**

| Laboratory | Test Site Address | Test Site Name | FCC Designa- tion number | IC CAB 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 | | TW3702 |
| | | Conducted 4 | _ | |
| | | Conducted 5 | | |
| SGS Taiwan Ltd. | | Conducted 6 | | |
| Central RF Lab. | | Conduction C | _ | |
| (TAF code 3702) | | SAC C | | |
| (1A1 code 3702) | | SAC D | | |
| | | SAC G | | |
| | No 2 Koji 1st Pd. Cujshan District | Conducted A | | |
| | No.2, Keji 1st Rd., Guishan District, Taoyuan City, Taiwan 333 | Conducted B | TW0028 | |
| | ladydair City, Taiwair 555 | Conducted C | | |
| | | Conducted D | | |
| | | Conducted E | | |
| | | Conducted F | | |
| | | Conducted G | | |

Note: Test site name is remarked on the equipment list in each section of this report as an indication where measurements occurred in specific test site and address.

1.7 Special Accessories

There are no special accessories used while test was conducted.

1.8 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*6m*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.

2.4.2 For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuation factor between EUT conducted port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly EUT RF output level.



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2.5 Configuration of Tested System

Fig 2-2 Radiated Setup

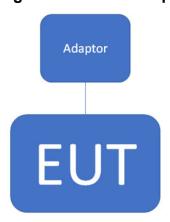


Table 2-1 Equipment Used in Tested System

| Ite | em | Equipment | Mfr/Brand | Model/Type No. | Series No. | Version |
|-----|----|-----------|-----------|----------------|------------|-------------|
| 1 | 1. | QRCT | N/A | N/A | N/A | 4.0.00161.0 |
| 2 | 2. | Adapter | Delta | ADP-45HG | N/A | N/A |

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SUMMARY OF TEST RESULTS

| FCC Rules | ISED Rules | Description Of Test | Result |
|----------------------------------|---|--|-----------|
| §15.247(d) §15.205 §15.209 | RSS-247 §5.5 RSS-Gen §8.9 RSS-Gen §8.10 | Radiated & Conducted Band Edge and Spurious Emission | Compliant |

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DESCRIPTION OF TEST MODES

4.1 Operated in 2400 ~ 2483.5MHz Band

| ITEM | FREQUENCY | ITEM | FREQUENCY | ITEM | FREQUENCY |
|------|-----------|------|-----------|------|-----------|
| 1 | 2402 MHz | 15 | 2430 MHz | 29 | 2458 MHz |
| 2 | 2404 MHz | 16 | 2432 MHz | 30 | 2460 MHz |
| 3 | 2406 MHz | 17 | 2434 MHz | 31 | 2462 MHz |
| 4 | 2408 MHz | 18 | 2436 MHz | 32 | 2464 MHz |
| 5 | 2410 MHz | 19 | 2438 MHz | 33 | 2466 MHz |
| 6 | 2412 MHz | 20 | 2440 MHz | 34 | 2468 MHz |
| 7 | 2414 MHz | 21 | 2442 MHz | 35 | 2470 MHz |
| 8 | 2416MHz | 22 | 2444 MHz | 36 | 2472 MHz |
| 9 | 2418 MHz | 23 | 2446 MHz | 37 | 2474 MHz |
| 10 | 2420 MHz | 24 | 2448 MHz | 38 | 2476 MHz |
| 11 | 2422 MHz | 25 | 2450 MHz | 39 | 2478 MHz |
| 12 | 2424 MHz | 26 | 2452 MHz | 40 | 2480 MHz |
| 13 | 2426 MHz | 27 | 2454 MHz | | |
| 14 | 2428 MHz | 28 | 2456 MHz | | |

4.2 The Worst Test Modes and Channel Details

- 1. The EUT has been tested under operating condition.
- 2. Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
- 3. The field strength of radiation emission was measured as EUT three orthogonal planes, E1 / E2 / H, are positioned to pre-scan the emission generating the highest one. The worst position is tested and recorded.
- 4. Investigation has been done on all the possible configurations for searching the worst case.

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| RADIATED EMISSION TEST (ABOVE 1 GHz) | | | | | | | |
|--------------------------------------|----------------------|-------------------|------------|---------------------|--|--|--|
| MODE | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) | | | |
| Bluetooth LE | 0 to 39 | 0,20,39 | GFSK | 1 | | | |

Note: The field strength of radiation emission was measured as EUT stand-up position (H mode) and lie down position (E1, E2 mode) for channel Low, Mid and High, the worst case NB mode was reported.

MEASUREMENT UNCERTAINTY

| Test Items | Ur | ncertain | ty |
|----------------------|-----|----------|----|
| Peak Output Power | +/- | 1 | dB |
| Temperature | +/- | 0.4 | °C |
| Humidity | +/- | 3.5 | % |
| DC / AC Power Source | +/- | 1 | % |

| Radiated Spurious Emission Measurement Uncertainty | | | | | |
|--|-----|------|----|-----------------|--|
| | +/- | 2.64 | dB | 9kHz~30MHz | |
| Polarization: Vertical | +/- | 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 | |
| Folarization. Horizontal | +/- | 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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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 (MHz) | Field strength (microvolts/meter) | Distance (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: The lower limit shall apply at the transition frequencies.

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6.2 Measurement Equipment Used

| | Radiated Emission Test Site: SAC D | | | | | | | |
|-----------------------|------------------------------------|-----------------------|-----------------------------|------------|------------|--|--|--|
| EQUIPMENT TYPE | MFR/BRAND | MODEL NUMBER | SERIAL NUMBER | LAST CAL. | CAL DUE. | | | |
| Horn Antenna | Schwarzbeck | BBHA9170 | 184 | 12/11/2020 | 12/10/2021 | | | |
| Horn Antenna | Schwarzbeck | BBHA9120D | 1341 | 06/04/2021 | 06/03/2022 | | | |
| 3m Site NSA | SGS | 966 chamber D | N/A | 07/12/2021 | 07/11/2022 | | | |
| Test Software | audix | e3 | E3 20923 SGS Ver.9 (C) | N.C.R | N.C.R | | | |
| Spectrum Analyzer | KEYSIGHT | N9010A | MY57120200 | 03/22/2021 | 03/21/2022 | | | |
| Pre-Amplifier | EMC Instru- ments | EMC184045B | 980135 | 10/27/2020 | 10/26/2021 | | | |
| Pre-Amplifier | EMC Instru- ments | EMC9135 | 980234 | 11/19/2020 | 11/18/2021 | | | |
| Pre-Amplifier | EMC Instru- ments | EMC12630SE | 980273 | 11/19/2020 | 11/18/2021 | | | |
| Coaxial Cable | Huber+Suhner | RG 214/U | W21.01 | 11/19/2020 | 11/18/2021 | | | |
| Coaxial Cable | Huber Suhner | EMC106-SM-SM- 7200 | 150703 | 11/19/2020 | 11/18/2021 | | | |
| Coaxial Cable | Huber Suhner | SUCOFLEX 104 | MY17413/4 | 11/19/2020 | 11/18/2021 | | | |
| High Pass Filter | R&S | F13 HPF 3GHz | RF175 | 11/19/2020 | 11/18/2021 | | | |
| Band Rejection Filter | Micro-Tronics | BRM50701-01 | RF201 | 11/19/2020 | 11/18/2021 | | | |

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

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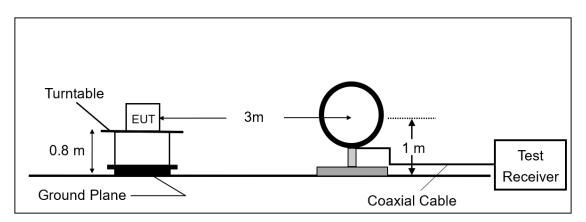
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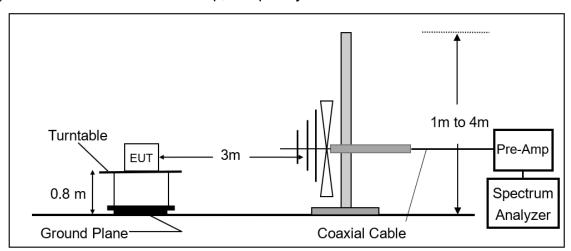
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6.3 Test SET-UP

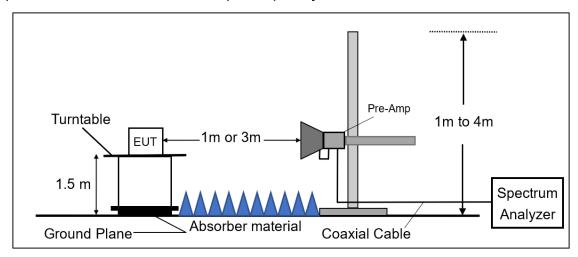
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz.



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



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



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6.4 Measurement Procedure

- 1. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 2. The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
- 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=100 kHz and VBW=300 kHz for Peak Detector (PK) at frequency between 30MHz and 1 GHz.
- 6. Use receiver mode as RBW=120 kHz for Quasi-peak (QP) at frequency between 30MHz and 1 GHz.
- 7. Set the spectrum analyzer as RBW=1 MHz, VBW=3 MHz for Peak Detector at frequency above 1 GHz.
- 8. 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.
- 9. 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.
- 10. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 11. 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.
- 12. 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

CL = Cable Attenuation Factor (Cable Loss)

RA = Reading Amplitude

AG = Amplifier Gain

AF = Antenna Factor

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 from 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.

Measurement Result:

Note: Refer to next page spectrum analyzer data chart and tabular data sheets.

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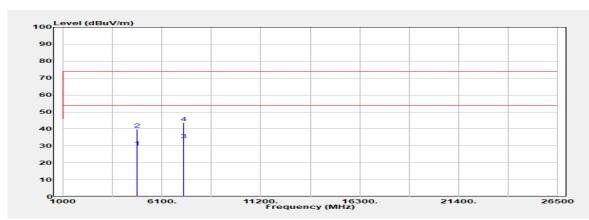
6.7.1 Radiated Spurious Emission above 1GHz

Report Number :E2-2021-A0059 Test Site :SAC D

Operation Mode Test Date :2021-10-19 :BLE 1M

Test Frequency :2402 MHz Temp./Humi. :22/70 Test Mode :TX CH LOW Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack tseng



| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|------------------|---------------------------|--------|--------------|--------------|--------|
| MHz | PK/QP/AV | dBµV | dB | dΒμV/m | dBμV/m | dB |
| | | | | | | |
| 4804.000 | Average | 32.36 | -3.04 | 29.32 | 54.00 | -24.68 |
| 4804.000 | Peak | 42.75 | -3.04 | 39.71 | 74.00 | -34.29 |
| 7206.000 | Average | 30.58 | 2.98 | 33.56 | 54.00 | -20.44 |
| 7206.000 | Peak | 40.65 | 2.98 | 43.63 | 74.00 | -30.37 |

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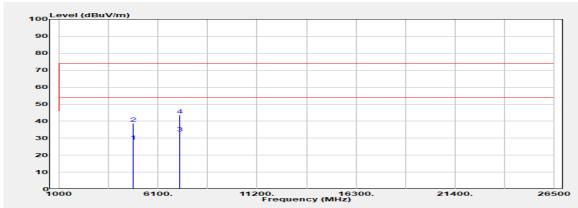
Report Number Test Site :E2-2021-A0059 :SAC D

:BLE 1M Operation Mode **Test Date** :2021-10-19

Test Frequency :2402 MHz Temp./Humi. :22/70

Test Mode :TX CH LOW Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack tseng



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| | | | | | | |
| 4804.000 | Average | 31.26 | -3.04 | 28.21 | 54.00 | -25.79 |
| 4804.000 | Peak | 41.67 | -3.04 | 38.63 | 74.00 | -35.37 |
| 7206.000 | Average | 30.16 | 2.98 | 33.14 | 54.00 | -20.86 |
| 7206.000 | Peak | 40.68 | 2.98 | 43.66 | 74.00 | -30.34 |

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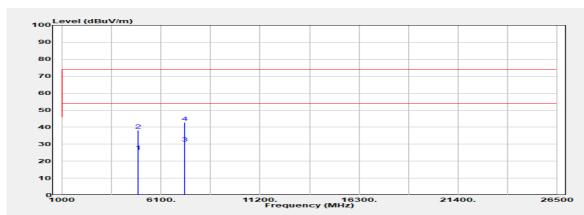
Report Number Test Site :E2-2021-A0059 :SAC D

:BLE 1M Operation Mode **Test Date** :2021-10-19

Test Frequency :2442 MHz Temp./Humi. :22/70

Test Mode :TX CH MID Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack tseng



| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|------------------|---------------------------|--------|--------------|--------------|--------|
| MHz | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| | | | | | | |
| 4884.000 | Average | 28.83 | -3.20 | 25.63 | 54.00 | -28.37 |
| 4884.000 | Peak | 41.45 | -3.20 | 38.25 | 74.00 | -35.75 |
| 7326.000 | Average | 27.50 | 3.24 | 30.74 | 54.00 | -23.26 |
| 7326.000 | Peak | 39.63 | 3.24 | 42.87 | 74.00 | -31.13 |

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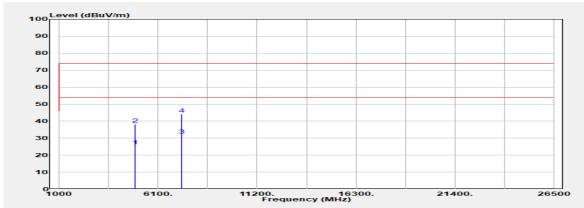
Report Number Test Site :E2-2021-A0059 :SAC D

Operation Mode :BLE 1M **Test Date** :2021-10-19

Test Frequency :2442 MHz Temp./Humi. :22/70

Test Mode :TX CH MID Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack tseng



| Freq. | Detector | Spectrum | Factor | Actual | Limit | Margin |
|----------|----------|---------------|--------|--------|--------|--------|
| | Mode | Reading Level | | FS | @3m | |
| MHz | PK/QP/AV | dBµV | dB | dBµV/m | dBµV/m | dB |
| | | • | | • | • | |
| | _ | | | | | |
| 4884.000 | Average | 28.63 | -3.20 | 25.42 | 54.00 | -28.58 |
| 4884.000 | Peak | 41.52 | -3.20 | 38.31 | 74.00 | -35.69 |
| 7326.000 | Average | 28.50 | 3.24 | 31.74 | 54.00 | -22.26 |
| 7326.000 | Peak | 41.03 | 3.24 | 44.27 | 74.00 | -29.73 |

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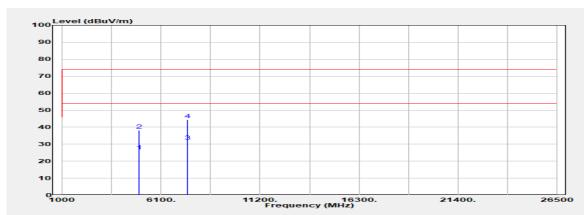
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Report Number Test Site :E2-2021-A0059 :SAC D

:BLE 1M Operation Mode **Test Date** :2021-10-19

Test Frequency :2480 MHz Temp./Humi. :22/70 Test Mode :TX CH HIGH Antenna Pol. :Vertical

EUT Pol :NB Plane Engineer :Jack tseng



| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|------------------|---------------------------|--------|--------------|--------------|--------|
| MHz | PK/QP/AV | dΒμ̈V | dB | dBµV/m | dBµV/m | dB |
| | | | | | | |
| 4960.000 | Average | 28.80 | -2.87 | 25.93 | 54.00 | -28.07 |
| 4960.000 | Peak | 41.08 | -2.87 | 38.20 | 74.00 | -35.80 |
| 7440.000 | Average | 27.90 | 3.85 | 31.75 | 54.00 | -22.25 |
| 7440.000 | Peak | 40.51 | 3.85 | 44.36 | 74.00 | -29.64 |

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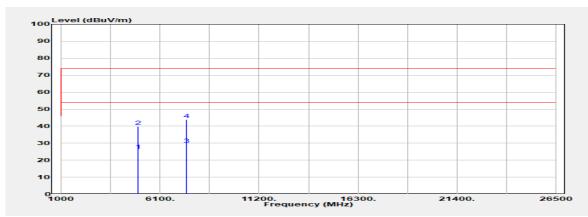
Report Number Test Site :E2-2021-A0059 :SAC D

Operation Mode :BLE 1M **Test Date** :2021-10-19

Test Frequency :2480 MHz Temp./Humi. :22/70

Test Mode :TX CH HIGH Antenna Pol. :Horizontal

EUT Pol :NB Plane Engineer :Jack tseng



| Freq. | Detector Mode | Spectrum Reading Level | Factor | Actual FS | Limit @3m | Margin |
|----------|------------------|---------------------------|--------|--------------|--------------|--------|
| MHz | PK/QP/AV | dΒμV | dB | dBµV/m | dBµV/m | dB |
| | | | | | | |
| 4960.000 | Average | 28.63 | -2.87 | 25.76 | 54.00 | -28.24 |
| 4960.000 | Peak | 42.74 | -2.87 | 39.87 | 74.00 | -34.13 |
| 7440.000 | Average | 25.31 | 3.85 | 29.16 | 54.00 | -24.84 |
| 7440.000 | Peak | 39.97 | 3.85 | 43.82 | 74.00 | -30.18 |

~ End of Report ~

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