

0659



FCC Radio Test Report

FCC ID: CJ6PYT0XPC

: BTL-FCCP-3-2103T163 Report No. : Notebook Computer Equipment

Model Name : dynabook E10-S, SATELLITE PRO E10-S, dynabook E10W-S,

SATELLITE PRO E10W-S

Brand Name : dynabook : Dynabook Inc. Applicant

Address : 6-15, Toyosu 5-chome, Koto-ku, Tokyo 135-8505, Japan

Radio Function : WLAN 2.4 GHz

FCC Rule Part(s) : FCC Part15, Subpart C (15.247)

Measurement Procedure(s)

: ANSI C63.10-2013

Date of Receipt

: 2021/3/30

Date of Test : 2021/3/30 ~ 2021/4/21

Issued Date : 2021/4/26

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by

Approved by

Scott Hsu , Manager

BTL Inc.

No.18, Ln. 171, Sec. 2, Jiuzong Rd., Neihu Dist., Taipei City 114, Taiwan

Tel: +886-2-2657-3299 Fax: +886-2-2657-3331 Web: www.newbtl.com



Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISON HISTORY

| Report No. | Version | Description | Issued Date |
|---------------------|---------|------------------|-------------|
| BTL-FCCP-3-2103T163 | R00 | Original Report. | 2021/4/26 |

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SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.

| FCC Part 15, Subpart C (15.247) | | | | | | | |
|---------------------------------|-------------------------------------|--------------------------|-----------|--------|--|--|--|
| Standard(s) Section | Description | Test Result | Judgement | Remark | | | |
| 15.207 | AC Power Line Conducted Emissions | APPENDIX A | Pass | | | | |
| 15.205 15.209 15.247(d) | Radiated Emissions | APPENDIX B APPENDIX C | Pass | | | | |
| 15.247(a) | Bandwidth | APPENDIX D | Pass | | | | |
| 15.247(b) | Output Power | APPENDIX E | Pass | | | | |
| 15.247(e) | Power Spectral Density | APPENDIX F | Pass | | | | |
| 15.247(d) | Antenna conducted Spurious Emission | APPENDIX G | Pass | | | | |
| 15.203 | Antenna Requirement | | Pass | | | | |

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report.(2) The report format version is TP.1.1.1.

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1.1 TEST FACILITY

The test facilities used to collect the test data in this report:

No. 68-1, Ln. 169, Sec. 2, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan The test sites and facilities are covered under FCC RN: 674415 and DN: TW0659.

 $oxed{\boxtimes}$ C05 $oxed{\Box}$ CB08 $oxed{\Box}$ CB11 $oxed{\boxtimes}$ CB15 $oxed{\Box}$ CB16

⋈ SR05

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expanded uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k} = \mathbf{2}$, providing a level of confidence of approximately 95 %. The measurement instrumentation uncertainty considerations contained in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 \mathbf{U}_{cisor} requirement.

A. AC power line conducted emissions test:

| Test Site | Method | Measurement Frequency Range | U (dB) |
|-----------|--------|-----------------------------|--------|
| C05 | CISPR | 150 kHz ~ 30MHz | 3.44 |

B. Radiated emissions test:

| Test Site | Measurement Frequency Range | U,(dB) |
|-----------|-----------------------------|--------|
| | 0.03 GHz ~ 0.2 GHz | 4.17 |
| | 0.2 GHz ~ 1 GHz | 4.72 |
| CB15 | 1 GHz ~ 6 GHz | 5.21 |
| CB15 | 6 GHz ~ 18 GHz | 5.51 |
| | 18 GHz ~ 26 GHz | 3.69 |
| | 26 GHz ~ 40 GHz | 4.23 |

C. Conducted test:

| Test Item | U,(dB) |
|------------------------------|--------|
| Bandwidth | 1.13 |
| Output power | 1.06 |
| Power Spectral Density | 1.20 |
| Conducted Spurious emissions | 1.14 |
| Conducted Band edges | 1.13 |

NOTE:

Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Environment Condition | Test Voltage | Tested by |
|-------------------------------------|-----------------------|--------------|---------------|
| AC Power Line Conducted Emissions | 24 °C, 62 % | AC 120V | William Wei |
| Radiated emissions below 1 GHz | 22 °C, 61 % | AC 120V | Hunter Chiang |
| Radiated emissions above 1 GHz | 22 °C, 61 % | AC 120V | Hunter Chiang |
| Bandwidth | 25.1 °C, 54 % | AC 120V | Connor Xie |
| Output Power | 21.2 °C, 52 % | AC 120V | Connor Xie |
| Power Spectral Density | 21.2 °C, 52 % | AC 120V | Connor Xie |
| Antenna conducted Spurious Emission | 21.2 °C, 52 % | AC 120V | Connor Xie |



1.4 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

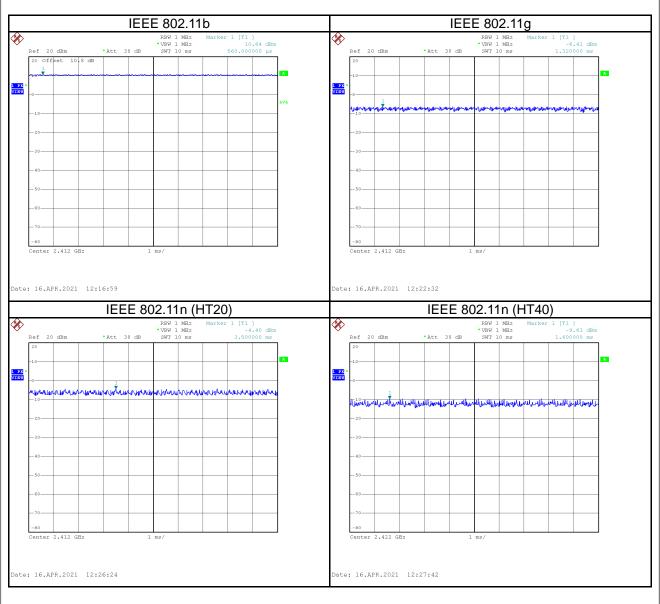
| Test Software | | Realtek MP v0.00 | 001.12.20161226 | |
|---------------------|----------|------------------|-----------------|-----------|
| Mode | 2412 MHz | 2437 MHz | 2462 MHz | Data Rate |
| IEEE 802.11b | 42 | 41 | 40 | 1 Mbps |
| IEEE 802.11g | 41 | 41 | 40 | 6 Mbps |
| IEEE 802.11n (HT20) | 44 | 43 | 42 | MCS 0 |
| Mode | 2422 MHz | 2437 MHz | 2452 MHz | Data Rate |
| IEEE 802.11n (HT40) | 43 | 44 | 44 | MCS 0 |



1.5 DUTY CYCLE

If duty cycle is \geq 98 %, duty factor is not required. If duty cycle is < 98 %, duty factor shall be considered.

| Remark | Delta 1 | | | Delta 2 | On Time/Period | 10 log(1/Duty Cycle) |
|---------------------|---------|---------|-------------|-----------------|----------------|----------------------|
| Mode | ON | Numbers | On Time (B) | Period (ON+OFF) | Duty Cycle | Duty Factor |
| Iviode | (ms) | (ON) | (ms) | (ms) | (%) | (dB) |
| IEEE 802.11b | 1.000 | 1 | 1.000 | 1.000 | 100.00% | 0.00 |
| IEEE 802.11g | 1.000 | 1 | 1.000 | 1.000 | 100.00% | 0.00 |
| IEEE 802.11n (HT20) | 1.000 | 1 | 1.000 | 1.000 | 100.00% | 0.00 |
| IEEE 802.11n (HT40) | 1.000 | 1 | 1.000 | 1.000 | 100.00% | 0.00 |



2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

| Equipment | Notebook Computer |
|-----------------------|---|
| Model Name | dynabook E10-S, SATELLITE PRO E10-S, dynabook E10W-S, SATELLITE PRO E10W-S |
| Brand Name | dynabook |
| Model Difference | Different model distribute to different area. |
| Power Source | (1) DC Voltage supplied from AC/DC adapter. (2) Battery supplied. |
| Power Rating | (1) I/P: 100-240V~50 / 60Hz, 1.5A, O/P:19V==2.1A, 39.9W (2) I/P: DC 7.6V, 6000mAh, 45.6Wh |
| Products Covered | 1 * Power Adapter: BSY / BSY065T1902102D 1 * Battery: 4588105-2S |
| Operation Band | 2400 MHz ~ 2483.5 MHz |
| Operation Frequency | 2412 MHz ~ 2462 MHz |
| Modulation Technology | IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM |
| Transfer Rate | IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 150 Mbps |
| Output Power Max. | IEEE 802.11b: 19.20 dBm (0.0832 W) IEEE 802.11g: 21.67 dBm (0.1469 W) IEEE 802.11n (HT20): 21.89 dBm (0.1545 W) IEEE 802.11n (HT40): 22.08 dBm (0.1614 W) |
| Test Model | dynabook E10-S |
| Sample Status | Engineering Sample |
| EUT Modification(s) | N/A |

NOTE:

(1) For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

(2) Channel List:

| (Z) Chamile Lieu | (2) 0116.11101 | | | | | | | | | |
|------------------|--------------------|---------|--------------------|---------|--------------------|--|--|--|--|--|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | | | | | |
| 01 | 2412 | 05 | 2432 | 09 | 2452 | | | | | |
| 02 | 2417 | 06 | 2437 | 10 | 2457 | | | | | |
| 03 | 2422 | 07 | 2442 | 11 | 2462 | | | | | |
| 04 | 2427 | 08 | 2447 | | | | | | | |

(3) Table for Filed Antenna:

| Antenna | Manufacture | Antenna Part Number | Туре | Connector | Frequency (MHz) | Gain (dBi) |
|---------|-------------|---------------------|------|--------------|--------------------|------------|
| | | | | | 2400-2500 | 1.95 |
| Main | SLEing | SLEingB222060295 | PIFA | MHF Plug(IV) | 5150-5250 | 1.64 |
| | | | | | 5725-5850 | 1.48 |
| | | | | | 2400-2500 | 1.79 |
| Aux | SLEing | SLEingB222070515 | PIFA | MHF Plug(IV) | 5150-5250 | 1.63 |
| | | | | | 5725-5850 | 1.96 |

NOTE: The EUT only support SISO mode.

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2.2 **TEST MODES**

| Test Items | Test mode | Channel | Note |
|---|-----------------------------|------------|----------|
| AC power line conducted emissions | Normal/Idle | - | - |
| Transmitter Radiated Emissions (below 1GHz) | TX Mode_IEEE 802.11b | 01 | - |
| | TX Mode_IEEE 802.11b | | |
| | TX Mode_IEEE 802.11g | 01/11 | Bandedge |
| Transmitter Radiated Emissions | TX Mode_IEEE 802.11n (HT20) | | |
| (above 1GHz) | TX Mode_IEEE 802.11b | | |
| | TX Mode_IEEE 802.11g | 01/06/11 | Harmonic |
| | TX Mode_IEEE 802.11n (HT20) | | |
| Bandwidth & | TX Mode_IEEE 802.11b | | |
| Power Spectral Density & | TX Mode_IEEE 802.11g | 01/06/11 | - |
| Antenna conducted Spurious Emission | TX Mode_IEEE 802.11n (HT20) | | |
| | TX Mode_IEEE 802.11b | | |
| Output Power | TX Mode_IEEE 802.11g | 01/06/11 - | |
| | TX Mode_IEEE 802.11n (HT20) | | |

NOTE:

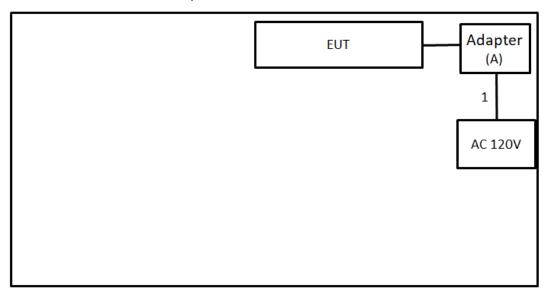
- (1) For radiated emission band edge test, both Vertical and Horizontal are evaluated, but only the worst case (Horizontal) is recorded.
- (2) All X, Y and Z axes are evaluated, but only the worst case (Y axis) is recorded.
 (3) There were no emissions found below 30 MHz within 20 dB of the limit.



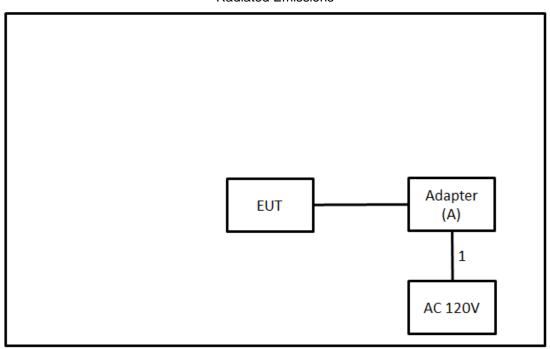
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Equipment letters and Cable numbers refer to item numbers described in the tables of clause 2.4.

AC power line conducted emissions



Radiated Emissions



2.4 SUPPORT UNITS

| Item | Equipment | Brand | Model No. | Series No. | Remarks |
|------|-----------|-------|---------------------|------------|----------------------------|
| Α | Adapter | BSY | BYS065T1902102 D | N/A | Supplied by test requester |

| Item | Shielded | Ferrite Core | Length | Cable Type | Remarks |
|------|----------|--------------|--------|------------|----------------------------|
| 1 | N/A | N/A | 1.8m | Power Cord | Supplied by test requester |



3 AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

| Frequency | Limit (| dBμV) |
|------------|------------|-----------|
| (MHz) | Quasi-peak | Average |
| 0.15 - 0.5 | 66 - 56 * | 56 - 46 * |
| 0.50 - 5.0 | 56 | 46 |
| 5.0 - 30.0 | 60 | 50 |

NOTE:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.
- (3) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

| Reading Level | | Correct Factor | | Measurement Value |
|---------------|---|----------------|---|-------------------|
| 38.22 | + | 3.45 | = | 41.67 |

| Measurement Value | | Limit Value | | Margin Level |
|-------------------|---|-------------|---|--------------|
| 41.67 | - | 60 | = | -18.33 |

The following table is the setting of the receiver.

| Receiver Parameter | Setting |
|--------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 KHz |

3.2 TEST PROCEDURE

- a. The EUT was placed 0.8 m above the horizontal ground plane with the EUT being connected to the power mains through a line impedance stabilization network (LISN).
 - All other support equipment were powered from an additional LISN(s).
 - The LISN provides 50 Ohm/50uH of impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle to keep the cable above 40 cm.
- c. Excess I/O cables that are not connected to a peripheral shall be bundled in the center.
 - The end of the cable will be terminated, using the correct terminating impedance.
 - The overall length shall not exceed 1 m.
- d. The LISN is spaced at least 80 cm from the nearest part of the EUT chassis.
- e. For the actual test configuration, please refer to the related Item EUT TEST PHOTO.

NOTE:

- (1) In the results, each reading is marked as Peak, QP or AVG per the detector used. BW=9 kHz (6 dB Bandwidth)
- (2) All readings are Peak unless otherwise stated QP or AVG in column of Note. Both the QP and the AVG readings must be less than the limit for compliance.

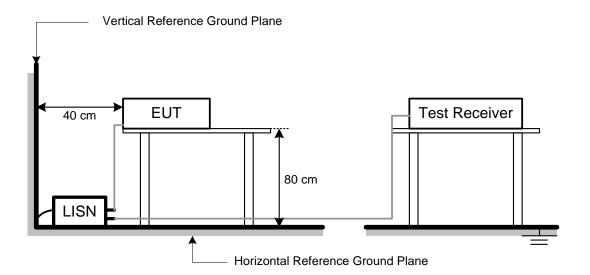
3.3 DEVIATION FROM TEST STANDARD

No deviation.

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3.4 TEST SETUP



3.5 TEST RESULT

Please refer to the APPENDIX A.



4 RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205, then the 15.209 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

| Frequency (MHz) | Field Strength (microvolts/meter) | Measurement Distance (meters) |
|--------------------|-----------------------------------|-------------------------------|
| 0.009~0.490 | 2400/F(KHz) | 300 |
| 0.490~1.705 | 24000/F(KHz) | 30 |
| 1.705~30.0 | 30 | 30 |
| 30~88 | 100 | 3 |
| 88~216 | 150 | 3 |
| 216~960 | 200 | 3 |
| 960~1000 | 500 | 3 |

LIMITS OF RADIATED EMISSIONS MEASUREMENT (Above 1000 MHz)

| Frequency | Radiated Emissions (dBuV/m) | | Measurement Distance (meters) | |
|------------|--------------------------------|---------|-------------------------------|--|
| (MHz) Peak | | Average | (meters) | |
| Above 1000 | 74 | 54 | 3 | |

NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:

Measurement Value = Reading Level + Correct Factor

Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)

Margin Level = Measurement Value - Limit Value

Calculation example:

| Reading Level | | Correct Factor | | Measurement Value |
|---------------|---|----------------|---|-------------------|
| 19.11 | + | 2.11 | = | 21.22 |

| Measurement Value | | Limit Value | | Margin Level |
|-------------------|---|-------------|---|--------------|
| 21.22 | - | 54 | = | -32.78 |

| Spectrum Parameter | Setting |
|-------------------------------|------------------------|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RBW / VBW | 1MHz / 3MHz for Peak, |
| (Emission in restricted band) | 1MHz / 1/T for Average |

| Spectrum Parameter | Setting |
|------------------------|-----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9KHz~90KHz for PK/AVG detector |
| Start ~ Stop Frequency | 90KHz~110KHz for QP detector |
| Start ~ Stop Frequency | 110KHz~490KHz for PK/AVG detector |
| Start ~ Stop Frequency | 490KHz~30MHz for QP detector |
| Start ~ Stop Frequency | 30MHz~1000MHz for QP detector |

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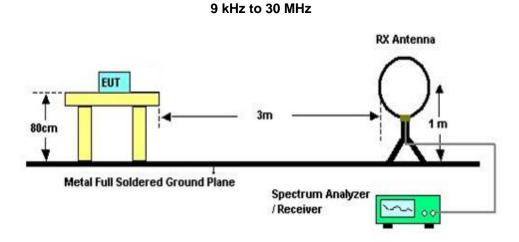
4.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8 m or 1.5 m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- For the actual test configuration, please refer to the related Item EUT TEST PHOTO.

4.3 DEVIATION FROM TEST STANDARD

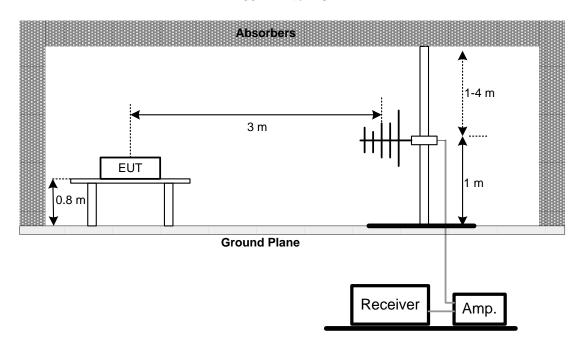
No deviation.

4.4 TEST SETUP

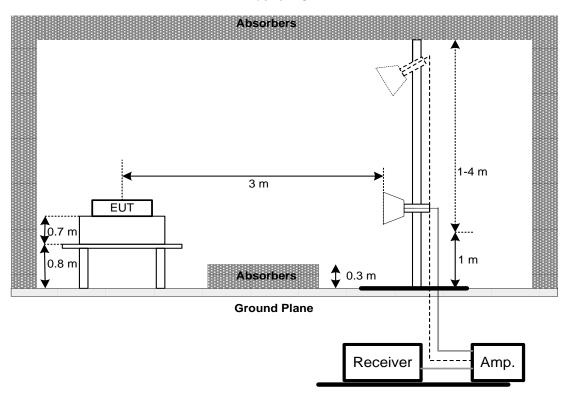




30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.



| | R | eport No.: BTL-FCCP-3-2103T163 |
|------|--|--------------------------------|
| | | |
| 4.6 | TEST RESULT – 30 MHZ TO 1 GHZ | |
| Plea | se refer to the APPENDIX B. | |
| 4.7 | TEST RESULT – ABOVE 1 GHZ | |
| Plea | se refer to the APPENDIX C. | |
| TON | E: | |
| | (1) No limit: This is fundamental signal, the judgment is not applicable. For fundamental signal judgment was referred to Peak output terms. | le. st. |
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5 BANDWIDTH TEST

5.1 LIMIT

| FCC Part15, Subpart C (15.247) | | | | |
|--------------------------------|----------------|---------|--|--|
| Section Test Item Limit | | | | |
| 15.247(a) | 6 dB Bandwidth | 500 kHz | | |

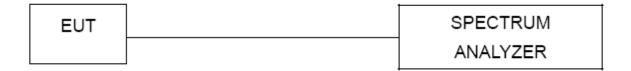
5.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM TEST STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULT

Please refer to the APPENDIX D.



6 OUTPUT POWER TEST

6.1 LIMIT

| FCC Part15, Subpart C (15.247) | | | | |
|--------------------------------|----------------------|-----------------|--|--|
| Section Test Item Limit | | | | |
| 15.247(b) | Maximum Output Power | 1 Watt or 30dBm | | |

6.2 TEST PROCEDURE

- a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- b. The maximum peak conducted output power was performed in accordance with FCC KDB 558074 D01 15.247 Meas Guidance.
- Subclause 11.9.1.1 of ANSI C63.10 is applied. The maximum peak conducted output power may be measured using a broadband peak RF power meter.
 The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and

6.3 DEVIATION FROM TEST STANDARD

shall use a fast-responding diode detector.

No deviation.

6.4 TEST SETUP

| EUT | Power Meter |
|-----|----------------------|
| | 1 0 11 01 11 10 10 1 |

6.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULT

Please refer to the APPENDIX E.

7 POWER SPECTRAL DENSITY

7.1 LIMIT

| FCC Part15, Subpart C (15.247) | | | | |
|--------------------------------|------------------------|-------------------------|--|--|
| Section | Limit | | | |
| 15.247(e) | Power Spectral Density | 8 dBm (in any 3 kHz) | | |

7.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW = 3 kHz, VBW = 10 kHz, Sweep time = Auto.

7.3 DEVIATION FROM TEST STANDARD

No deviation.

7.4 TEST SETUP

| EUT | SPECTRUM | |
|-----|----------|--|
| | ANALYZER | |

7.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULT

Please refer to the APPENDIX F.



8 ANTENNA CONDUCTED SPURIOUS EMISSIONS TEST

8.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

8.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. Spectrum Setting: RBW = 100 kHz, VBW=300 kHz, Sweep time = Auto.
- c. Offset = antenna gain + cable loss.

8.3 DEVIATION FROM TEST STANDARD

No deviation.

8.4 TEST SETUP

| EUT | SPECTRUM |
|-----|----------|
| | ANALYZER |

8.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULT

Please refer to the APPENDIX G.





9 LIST OF MEASURING EQUIPMENTS

| | AC Power Line Conducted Emissions | | | | | |
|------|-----------------------------------|--------------|-----------------------------------|------------|--------------------|---------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until |
| 1 | TWO-LINE V-NETWORK | R&S | ENV216 | 101050 | 2020/6/11 | 2021/6/10 |
| 2 | Test Cable | EMCI | EMC400-BM-BM- 5000 | 170501 | 2020/6/8 | 2021/6/7 |
| 3 | EMI Test Receiver | R&S | ESCI | 100080 | 2020/6/15 | 2021/6/14 |
| 4 | Measurement Software | EZ | EZ_EMC (Version NB-03A1-01) | N/A | N/A | N/A |

| | Radiated Emissions | | | | | | |
|------|-----------------------------|--------------|-----------------------------------|---------------|--------------------|---------------------|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until | |
| 1 | Preamplifier | EMCI | EMC02325B | 980217 | 2021/4/8 | 2022/4/7 | |
| 2 | Preamplifier | EMCI | EMC012645B | 980267 | 2021/4/8 | 2022/4/7 | |
| 3 | Test Cable | EMCI | EMC-SM-SM-100 0 | 180809 | 2021/4/8 | 2022/4/7 | |
| 4 | Test Cable | EMCI | EMC104-SM-SM- 3000 | 151205 | 2021/4/8 | 2022/4/7 | |
| 5 | Test Cable | EMCI | EMC-SM-SM-700 0 | 180408 | 2021/4/8 | 2022/4/7 | |
| 6 | MXE EMI Receiver | Agilent | N9038A | MY554200087 | 2020/6/10 | 2021/6/9 | |
| 7 | Signal Analyzer | Agilent | N9010A | MY56480554 | 2020/8/25 | 2021/8/24 | |
| 8 | Horn Ant | SCHWARZBECK | BBHA 9120D | 9120D-1342 | 2020/6/12 | 2021/6/11 | |
| 9 | Horn Ant | Schwarzbeck | BBHA 9170 | BBHA 9170340 | 2020/7/9 | 2021/7/8 | |
| 10 | Trilog-Broadband Antenna | Schwarzbeck | VULB 9168 | VULB 9168-352 | 2020/7/24 | 2021/7/23 | |
| 11 | 5dB Attenuator | EMCI | EMCI-N-6-05 | AT-N0625 | 2020/7/24 | 2021/7/23 | |
| 12 | Measurement Software | EZ | EZ_EMC (Version NB-03A1-01) | N/A | N/A | N/A | |

| | Bandwidth | | | | | |
|------|----------------------|--------------|----------|------------|--------------------|---------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100129 | 2020/6/15 | 2021/6/14 |

| | | | Output Power | | | |
|------|----------------------|--------------|--------------|------------|--------------------|---------------------|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100129 | 2020/6/15 | 2021/6/14 |
| 2 | Power Meter | Anritsu | ML2487A | 6K00004714 | 2020/9/3 | 2021/9/2 |
| 3 | Power Sensor | Anritsu | MA2491A | 034138 | 2020/9/3 | 2021/9/2 |

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| Power Spectral Density | | | | | | | | | | | |
|------------------------|----------------------|--------------|----------|------------|--------------------|---------------------|--|--|--|--|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until | | | | | |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100129 | 2020/6/15 | 2021/6/14 | | | | | |

| | Antenna conducted Spurious Emission | | | | | | | | | | |
|------|-------------------------------------|--------------|----------|------------|--------------------|---------------------|--|--|--|--|--|
| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated Date | Calibrated Until | | | | | |
| 1 | Spectrum Analyzer | R&S | FSP 40 | 100129 | 2020/6/15 | 2021/6/14 | | | | | |

Remark: "N/A" denotes no model name, no serial no. or no calibration specified.

All calibration period of equipment list is one year.

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| 10 EUT TEST PHOTO |
|---|
| Please refer to document Appendix No.: TP-2103T163-FCCP-1 (APPENDIX-TEST PHOTOS). |
| 11 EUT PHOTOS |
| Please refer to document Appendix No.: EP-2103T163-1 (APPENDIX-EUT PHOTOS). |
| Thouse refer to deciment Appendix 146 En 21661 166 1 (All 1 ENDIX EGT 1116166). |
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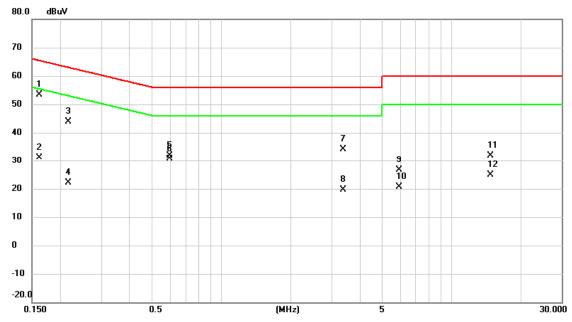
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| APPENDIX A | AC POWER LINE CONDUCTED EMISSIONS |
|------------|-----------------------------------|
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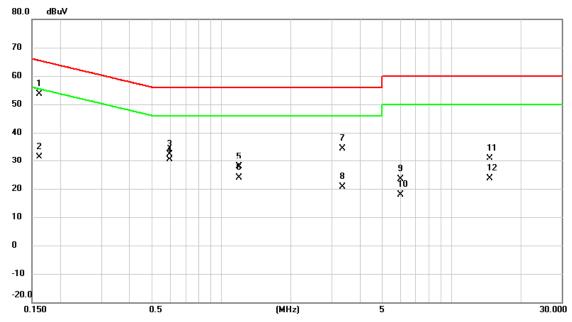
| Test Mode | Normal | Tested Date | 2021/4/23 |
|----------------|--------|-------------|-----------|
| Test Frequency | - | Phase | Line |



| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBu∨ | dB | dBu∨ | dBu∨ | dB | Detector | Comment |
| 1 * | 0.1613 | 43.80 | 9.68 | 53.48 | 65.40 | -11.92 | QP | |
| 2 | 0.1613 | 21.40 | 9.68 | 31.08 | 55.40 | -24.32 | AVG | |
| 3 | 0.2153 | 34.10 | 9.67 | 43.77 | 63.00 | -19.23 | QP | |
| 4 | 0.2153 | 12.51 | 9.67 | 22.18 | 53.00 | -30.82 | AVG | |
| 5 | 0.5977 | 22.31 | 9.68 | 31.99 | 56.00 | -24.01 | QP | |
| 6 | 0.5977 | 20.84 | 9.68 | 30.52 | 46.00 | -15.48 | AVG | |
| 7 | 3.3608 | 24.43 | 9.77 | 34.20 | 56.00 | -21.80 | QP | |
| 8 | 3.3608 | 9.80 | 9.77 | 19.57 | 46.00 | -26.43 | AVG | |
| 9 | 5.9123 | 16.80 | 9.84 | 26.64 | 60.00 | -33.36 | QP | |
| 10 | 5.9123 | 10.69 | 9.84 | 20.53 | 50.00 | -29.47 | AVG | |
| 11 | 14.7683 | 21.88 | 9.94 | 31.82 | 60.00 | -28.18 | QP | |
| 12 | 14.7683 | 14.91 | 9.94 | 24.85 | 50.00 | -25.15 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

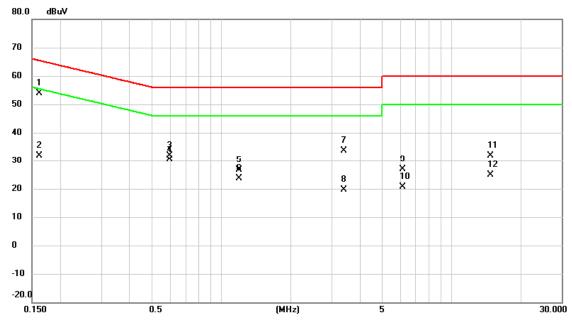
| Test Mode | Normal | Tested Date | 2021/4/23 |
|----------------|--------|-------------|-----------|
| Test Frequency | - | Phase | Neutral |



| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBu∨ | dB | dBu∨ | dBu∨ | dB | Detector | Comment |
| 1 * | 0.1613 | 44.04 | 9.68 | 53.72 | 65.40 | -11.68 | QP | |
| 2 | 0.1613 | 21.68 | 9.68 | 31.36 | 55.40 | -24.04 | AVG | |
| 3 | 0.5955 | 22.73 | 9.68 | 32.41 | 56.00 | -23.59 | QP | |
| 4 | 0.5955 | 20.75 | 9.68 | 30.43 | 46.00 | -15.57 | AVG | |
| 5 | 1.1940 | 18.15 | 9.70 | 27.85 | 56.00 | -28.15 | QP | |
| 6 | 1.1940 | 14.08 | 9.70 | 23.78 | 46.00 | -22.22 | AVG | |
| 7 | 3.3450 | 24.66 | 9.77 | 34.43 | 56.00 | -21.57 | QP | |
| 8 | 3.3450 | 10.90 | 9.77 | 20.67 | 46.00 | -25.33 | AVG | |
| 9 | 6.0248 | 13.54 | 9.84 | 23.38 | 60.00 | -36.62 | QP | |
| 10 | 6.0248 | 7.94 | 9.84 | 17.78 | 50.00 | -32.22 | AVG | |
| 11 | 14.6670 | 20.83 | 9.94 | 30.77 | 60.00 | -29.23 | QP | |
| 12 | 14.6670 | 13.64 | 9.94 | 23.58 | 50.00 | -26.42 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

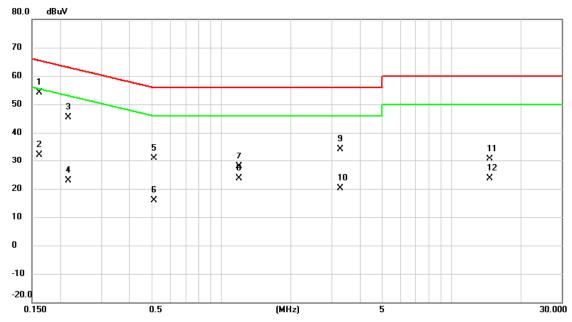
| Test Mode | Idle | Tested Date | 2021/4/23 |
|----------------|------|-------------|-----------|
| Test Frequency | - | Phase | Line |



| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBu∨ | dB | dBu∨ | dBu∨ | dB | Detector | Comment |
| 1 * | 0.1613 | 44.29 | 9.68 | 53.97 | 65.40 | -11.43 | QP | |
| 2 | 0.1613 | 22.24 | 9.68 | 31.92 | 55.40 | -23.48 | AVG | |
| 3 | 0.5977 | 22.30 | 9.68 | 31.98 | 56.00 | -24.02 | QP | |
| 4 | 0.5977 | 20.80 | 9.68 | 30.48 | 46.00 | -15.52 | AVG | |
| 5 | 1.1940 | 17.05 | 9.70 | 26.75 | 56.00 | -29.25 | QP | |
| 6 | 1.1940 | 13.81 | 9.70 | 23.51 | 46.00 | -22.49 | AVG | |
| 7 | 3.3900 | 23.89 | 9.77 | 33.66 | 56.00 | -22.34 | QP | |
| 8 | 3.3900 | 9.87 | 9.77 | 19.64 | 46.00 | -26.36 | AVG | |
| 9 | 6.1395 | 17.12 | 9.85 | 26.97 | 60.00 | -33.03 | QР | |
| 10 | 6.1395 | 10.66 | 9.85 | 20.51 | 50.00 | -29.49 | AVG | |
| 11 | 14.7345 | 21.82 | 9.94 | 31.76 | 60.00 | -28.24 | QР | |
| 12 | 14.7345 | 14.85 | 9.94 | 24.79 | 50.00 | -25.21 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| Test Mode | Idle | Tested Date | 2021/4/23 |
|----------------|------|-------------|-----------|
| Test Frequency | - | Phase | Neutral |



| No. Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
|---------|---------|------------------|-------------------|------------------|-------|--------|----------|---------|
| | MHz | dBu∨ | dB | dBu∨ | dBu∨ | dB | Detector | Comment |
| 1 * | 0.1613 | 44.51 | 9.68 | 54.19 | 65.40 | -11.21 | QP | |
| 2 | 0.1613 | 22.50 | 9.68 | 32.18 | 55.40 | -23.22 | AVG | |
| 3 | 0.2153 | 35.78 | 9.67 | 45.45 | 63.00 | -17.55 | QP | |
| 4 | 0.2153 | 13.21 | 9.67 | 22.88 | 53.00 | -30.12 | AVG | |
| 5 | 0.5100 | 21.11 | 9.68 | 30.79 | 56.00 | -25.21 | QP | |
| 6 | 0.5100 | 6.16 | 9.68 | 15.84 | 46.00 | -30.16 | AVG | |
| 7 | 1.1940 | 18.30 | 9.70 | 28.00 | 56.00 | -28.00 | QP | |
| 8 | 1.1940 | 14.01 | 9.70 | 23.71 | 46.00 | -22.29 | AVG | |
| 9 | 3.2820 | 24.38 | 9.77 | 34.15 | 56.00 | -21.85 | QP | |
| 10 | 3.2820 | 10.36 | 9.77 | 20.13 | 46.00 | -25.87 | AVG | |
| 11 | 14.6558 | 20.78 | 9.94 | 30.72 | 60.00 | -29.28 | QP | |
| 12 | 14.6558 | 13.65 | 9.94 | 23.59 | 50.00 | -26.41 | AVG | |

REMARKS:

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

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| APPENDIX B | RADIATED EMISSIONS - 30 MHZ TO 1 GHZ |
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| | _ | Test Mo | ode | | IEEE | 802.11b | | | ٦ | Test Date | | 202 | 1/4/14 | |
|------|--------|----------|---------|--------|---------------|---------------|------|-----------------|------|------------|----------|----------|---------|-----|
| | Tes | st Frequ | uency | | | 2MHz | | | Р | olarizatio | n | Ve | rtical | |
| | | Temp |) | | 2 | 2°C | | | | Hum. | | 6 | 1% | |
| 80.0 | dB | uV/m | | | | | | | | | | | | 7 |
| 70 | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | - |
| 50 | | | | | | | | | | | | | | |
| 40 | | | | | | | | | 4 | | 5 X | 6 × | | |
| 30 | 1 X | 2 X | | X X | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | |
| |).000 | 127.00 | | | | 418.00 | 515. | | 612. | | 9.00 806 | .00 | 1000.00 | МН |
| No | 0. | Mk. | Freq. | | ading evel | Correct Facto | | easure- ment | • | Limit | Over | | | |
| | | | MHz | dE | ₿uV | dB | d | BuV/m | (| dBuV/m | dB | Detector | Comm | ent |
| 1 | | | 44.8410 |) 38 | 3.08 | -8.25 | | 29.83 | | 40.00 | -10.17 | QP | | |
| 2 | 2 | | 109.216 | 7 36 | 3.88 | -11.53 | 3 | 25.35 | | 43.50 | -18.15 | peak | | |
| 3 | 3 | | 299.336 | 7 35 | .75 | -7.38 | | 28.37 | | 46.00 | -17.63 | peak | | |
| 4 | | * | 599.099 | 0 39 | .77 | -0.65 | | 39.12 | | 46.00 | -6.88 | peak | | |
| 5 | 5 | | 733.605 | 7 33 | 3.49 | 1.56 | | 35.05 | | 46.00 | -10.95 | peak | | |
| 6 | 3 | | 871.475 | 0 31 | .72 | 3.73 | | 35.45 | | 46.00 | -10.55 | peak | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| | Test Mo | de | IEEE | 802.11b | | Test Date | | 202 | 1/4/14 | |
|--------------|----------|----------|------------------|-------------------|------------------|--------------|----------|----------|---------|----------|
| Tes | st Frequ | iency | 241 | 2MHz | | Polarizatio | n | Hori | zontal | |
| | Temp |) | 2 | 2°C | | Hum. | | 6 | 1% | |
| 80.0 dB | BuV/m | | | | | | | | | 7 |
| 70 | | | | | | | | | | |
| 60 | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 40 | * | 2 | | | 4 * | 5 | | 6 | | |
| 30 | | 2 X | × | | | | | | | |
| 20 | | | | | | | | | | |
| 10 —— 0.0 | | | | | | | | | | |
| 30.000 | 127.00 | 224.00 | 321.00 | 418.00 | 515.00 6 | 12.00 709 | 3.00 806 | i. 00 | 1000.00 | _ мн: |
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comme | ent |
| 1 | * | 86.1953 | 47.64 | -14.01 | 33.63 | 40.00 | -6.37 | peak | | |
| 2 | | 187.6896 | 40.21 | -10.40 | 29.81 | 43.50 | -13.69 | peak | | |
| 3 | | 322.8753 | 35.68 | -6.81 | 28.87 | 46.00 | -17.13 | peak | | |
| 4 | | 558.5530 | 35.90 | -1.60 | 34.30 | 46.00 | -11.70 | peak | | |
| 5 | | 597.9996 | 39.27 | -0.67 | 38.60 | 46.00 | -7.40 | peak | | |
| 6 | | 895.2722 | 35.38 | 4.07 | 39.45 | 46.00 | -6.55 | peak | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.



| APPENDIX C | RADIATED EMISSIONS - ABOVE 1 GHZ |
|------------|----------------------------------|
| | |
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| | Te | est Mo | de | | IEEE | 802.11b | | | | Test Da | te | 2021/4/13 | | | |
|-------------|------------|--------|--|----------|------------------|---------------|---------|----------------|-----|------------------|----------------|--------------------------|-------------------|-------------|--|
| | Test | Frequ | | | | 2MHz | | | Ρ | olarizat | ion | | zontal | | |
| | | Temp |) | | 2 | 2°C | | | | Hum. | | 6 | 1% | | |
| 130.0 | dBu\ | V/m | | | | | | | | | | | | _ | |
| 120 | | | | | | | | | | | | | | | |
| 110 | | | | | | | i | _ | | | | | | | |
| 100 | | | | | | | - / 5 | 3 | | | | | | - | |
| 90 | | | | | | | \perp | \perp | | | | | | - | |
| 80 | | | | | | | _ | - | | | | | | - | |
| 70 | | | | | | | | | | | | | | - | |
| 60 <u> </u> | | | | | | 1 | ν | V | 1 | | | | 5 | | |
| 50 | الوطاعياني | **** | A STANSON AND A STANSON AND AND AND AND AND AND AND AND AND AN | Karagadh | your retail | *2\./ X | | | , | Andrew Professor | and the second | Carlette Warner of Wheel | haramhaliste 6 | N -1 | |
| 40 | | | | | | | | | | | | | × | | |
| 30 _ | | | | | | | | | | | | | | - | |
| 20 | | | | | | | | | | | | | | - | |
| 10.0 | | | | | | | | | | | | | | | |
| | | 2332.0 | | | 2372.00 | 2392.00 | 2412 | | 243 | | | 72.00 | 2512.00 | МН | |
| No. | • | Mk. | Freq. | ŀ | Reading Level | Correct Facto | | easure ment |)- | Limit | Over | | | | |
| | | | MHz | | dBuV | dB | d | BuV/m | | dBuV/n | n dB | Detector | Comm | ent | |
| 1 | | | 2386.43 | 3 | 28.84 | 30.77 | 7 | 59.61 | | 74.00 | -14.39 | peak | | | |
| 2 | 2 | | 2386.43 | 3 | 20.78 | 30.77 | 7 | 51.55 | | 54.00 | -2.45 | AVG | | | |
| 3 | | Χ | 2412.00 | 0 | 76.22 | 30.88 | 3 1 | 107.10 | | 74.00 | 33.10 | peak | NoLimi | | |
| 4 | | * | 2412.00 | 0 | 72.69 | 30.88 | 3 1 | 03.57 | | 54.00 | 49.57 | AVG | NoLin | nit | |
| 5 | | | 2504.84 | 0 | 26.92 | 31.25 | 5 ; | 58.17 | | 74.00 | -15.83 | peak | | | |
| 6 | | | 2504.84 | _ | 13.16 | 31.25 | | 44.41 | | 54.00 | -9.59 | AVG | | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| | | est M | | | | 802.1 | | | | | Test D | | | | | 21/4/13 | | |
|------------|--|--------------|--|---------------------|---|---|-------------|---------------|------------|---------------|-----------|-----------------|-------------|------------------|-----------|---------------|--------------------|----------|
| | Test | | quency | | | | 2MH | Z | | | Р | olariz | |) | | | rizontal | |
| | | Tem | ıp | | | 2 | 2°C | | | | | Hur | n. | | | | 61% | |
| 130.0 T | dBu | V/m | | | | | | | | | | | | | | | | _ |
| 120 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |
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| 90 | | | | | | | | | 1 | \rightarrow | | | | | | | | |
| 30 | | | | | | | | | | \ | | | | | | | | _ |
| 70 | | | | | | | | | | | | | | | | | | \dashv |
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| 40 | | | | | | | | | | | | | | | | X | | |
| | 2 X | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | \dashv |
| 10.0 | | | | | | | | | | | | | | | | | | |
| | | 2382. | | 102.00 | 2422 | | 2442 | | 2462 | | | 2.00 | | 2.00 | 2522 | 2.00 | 2562.0 | 00 MI |
| No |). | Mk. | FI | eq. | Rea Le | | | rrect ctor | | easu ment | | Lim | π | Ove | er | | | |
| | | | М | Hz | dB | | | dB | | 3uV/ | | dBu√ | //m | dE | 3 | Detecto | r Comi | ment |
| 1 | | | 2366 | 3.327 | 26. | 29 | 30 |).70 | Ę | 6.99 |) | 74.0 | 00 | -17. | 01 | | | |
| 2 | | | 2366 | 3.327 | 4.(|)2 | 30 |).70 | (| 34.72 | 2 | 54.0 | 00 | -19.28 | | AVG | | |
| 3 | | Χ | | 2.000 | 71.03 | | | .08 | 102. | | | 74.0 | | 28.11 | | peak | NoL | |
| 4 | | * | | 2.000 | 67. | | | .08 | 8 98.51 54 | | 54.0 | | 44.5 | | AVG | NoL | imit | |
| 5 | | | | .440 | 26. | | | .35 | | 57.89 | | 74.0 | | -16. | | peak | | |
| 6 | | | 2529 | .440 | 14. | 86 | 31 | .35 | 4 | 16.21 | | 54.0 | 00 | -7.7 | 79 | AVG | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| | Test Mo | | | 802.11g | | Test Date | | | 1/4/13 |
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| | Test Frequ | | | I2MHz | | Polarization | n | | zontal |
| | Temp |) | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 | dBuV/m | | | | | | | | |
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| 0.0 | 200 2000 | 2000000 | 0070.00 | 2000 00 | 2440.00 | 100.00 | -0.00 | | |
| | .000 2332.0 Mk. | | | 2392.00 | | 132.00 245 Limit | | 2.00 | 2512.00 Mi |
| No. | IVIK. | Freq. | Reading Level | Correct Factor | Measure- ment | LIIIIII | Over | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2389.047 | | 30.78 | 58.34 | 74.00 | -15.66 | peak | Common |
| 2 | | 2389.047 | | 30.78 | 45.90 | 54.00 | -8.10 | AVG | |
| 3 | Х | 2412.000 | | 30.88 | 105.12 | 74.00 | 31.12 | peak | NoLimit |
| 4 | * | 2412.000 | | 30.88 | 95.76 | 54.00 | 41.76 | AVG | NoLimit |
| 5 | | 2505.693 | | 31.26 | 57.38 | 74.00 | -16.62 | peak | |
| | | | | | | | | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| 1 | Test Mo | de | IEEE | 802.11g | | Test Date | | 2021 | 1/4/13 |
|-------------|-------------------|--|--------------------------------------|-------------------|------------------|-------------|-----------------------------|-------------------------------------|---------------------|
| Tes | t Frequ | iency | | 2MHz | | Polarizatio | า | Hori | zontal |
| | Temp | | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | |
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| | 2382.0 | | 2422.00 | 2442.00 | | | | 2.00 | 2562.00 MH |
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2385.067 | 25.72 | 30.77 | 56.49 | 74.00 | -17.51 | peak | Common |
| 2 | | 2385.067 | 3.77 | 30.77 | 34.54 | 54.00 | -19.46 | AVG | |
| 3 | Χ | 2462.000 | 72.27 | 31.08 | 103.35 | 74.00 | 29.35 | peak | NoLimit |
| 4 | * | 2462.000 | 62.83 | 31.08 | 93.91 | 54.00 | 39.91 | AVG | NoLimit |
| 5 | | 2543.580 | 26.72 | 31.41 | 58.13 | 74.00 | -15.87 | peak | |
| 6 | | 2543.580 | 13.97 | 31.41 | 45.38 | 54.00 | -8.62 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| | T | est M | lod | е | | IEE | E802 | .11n | (HT2 | 0) | | ٦ | Test D | ate | | | 202 | 1/4/13 | |
|-------------|-----------------------|------------------|---------|---|-------------------------|-------|--|--------|--------|------|----------|-------|------------|------------|------------------------|--------------|----------------------------|--------------------|-----|
| | Test | Fred | | ncy | | | | 2MF | lz | | | Р | olariza | ation | | | | izontal | |
| | | Tem | р | | | | 2 | 2°C | | | | | Hum | ٦. | | | 6 | 61% | |
| 130.0 | dBu | V/m | | 1 | | | | | 1 | | | | | | | | | | _ |
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| 10.0 | 2.000 | 2332 | 00 | 2352 | | 2372 | | 2392 | 2.00 | 2412 | | 2432 | 2.00 | 245 | 2.00 | 472.00 | . | 2512.00 | |
| No. | | Mk. | .00 | Freq | | | ding | | orrect | | easure | | Limi | | Over | 472.00 | | 2312.00 | MH |
| 140. | | IVIIX. | | 1 104 | • | | vel | | actor | | ment | , | L | | Over | | | | |
| | | | | MHz | <u>'</u> | dB | ωV | | dB | | BuV/n |) (| dBuV/ | /m | dB | D | etector | Comm | ent |
| 1 | | | | 2389.3 | 87 | 30 | .07 | 3 | 0.78 | (| 60.85 | | 74.0 | 0 | -13.15 | 5 | peak | | |
| 2 | | | | 2389.3 | 87 | | .78 | 3 | 0.78 | 4 | 47.56 | | 54.0 | 0 | -6.44 | | AVG | | |
| 3 | | Χ | | 2412.0 | | 75 | .04 | 3 | 0.88 | 1 | 05.92 | | 74.0 | | 31.92 | | peak | NoLir | |
| 4 | | * | | 2412.0 | 000 | 65 | .69 | 3 | 0.88 | (| 96.57 | | 54.0 | 0 | 42.57 | | AVG | NoLir | mit |
| 5 | | | | 2490.5 | 33 | 25 | .84 | 3 | 1.19 | | 57.03 | | 74.0 | 0 | -16.97 | 7 | peak | | |
| 6 | | | | 2490.5 | 33 | 13 | .25 | 3 | 1.19 | - | 44.44 | | 54.0 | Λ <u> </u> | -9.56 | | AVG | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| | Test Mo | de | IEEE802 | .11n (HT20 |) | Test Date | | 202 | 1/4/13 |
|---------------|-------------|--------------------------|---|-------------------|------------------|------------------------------|---------------------------------|--------------------------------|--|
| Ī | Test Frequ | iency | | 2MHz | | Polarizatio | n | | zontal |
| | Temp |) | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 | dBuV/m | | | | | | | | |
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| 10.0 2362. | .000 2382.0 | 0 2402.00 | 2422.00 | 2442.00 | 2462.00 24 | 182.00 250 | 02.00 252 | 2.00 | 2562.00 MH |
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2372.627 | 25.84 | 30.72 | 56.56 | 74.00 | -17.44 | peak | |
| 2 | | 2372.627 | 3.69 | 30.72 | 34.41 | 54.00 | -19.59 | AVG | |
| 3 | Χ | 2462.000 | 73.05 | 31.08 | 104.13 | 74.00 | 30.13 | peak | NoLimit |
| 4 | * | 2462.000 | 63.51 | 31.08 | 94.59 | 54.00 | 40.59 | AVG | NoLimit |
| 5 | | 2530.213 | 26.71 | 31.36 | 58.07 | 74.00 | -15.93 | peak | |
| 6 | | 2530.213 | 14.96 | 31.36 | 46.32 | 54.00 | -7.68 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| T | est Mo | de | | .11n (HT40 | | Test Date | | | 1/4/13 |
|-------------|--------------------|-------------------------------|----------------------------------|----------------|---------------------------------------|----------------------------|-----------------------|-------------------------|----------------|
| Tes | t Frequ | iency | | 22MHz | | Polarizatio | n | | zontal |
| | Temp | | 2 | 2°C | | Hum. | | 6 | 1% |
| 30.0 dB | uV/m | | | | | | | | |
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| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | | |
| | | B 41 1 | Level | Factor | ment | ID 1// | ID | D () | |
| 4 | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2388.880 | 28.73 | 30.78 | 59.51 | 74.00 | -14.49 -7.12 | peak | |
| 3 | Х | 2388.880 2422.000 | 16.10 71.10 | 30.78 30.91 | 46.88 102.01 | 54.00 74.00 | 28.01 | AVG | NoLimit |
| 4 | * | 2422.000 | 61.63 | 30.91 | 92.54 | 54.00 | 38.54 | peak AVG | NoLimit |
| 5 | | 2614.773 | 25.96 | 31.71 | 57.67 | 74.00 | -16.33 | peak | NOLIIIII |
| 6 | | 2614.773 | 2.95 | 31.71 | 34.66 | 54.00 | -19.34 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| ٦ | est Mod | de | IEEE802 | .11n (HT40 | 0) | Test Date | | 2021 | 1/4/13 |
|--|----------------|--|----------|------------|-----------|--------------|---|-------------|------------------|
| Tes | t Freque | ency | 245 | 2MHz | | Polarizatio | n | Horiz | zontal |
| | Temp | | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | |
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| 2252.00 | 2292.00 | 2332.00 | 2372.00 | 2412.00 | 2452.00 2 | 192.00 25 | 32.00 257 | 2.00 | 2652.00 M |
| No. | Mk. | Freq. | Reading | Correct | Measure- | Limit | Over | | |
| | | | Level | Factor | ment | | | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 2373.987 | 25.87 | 30.72 | 56.59 | 74.00 | -17.41 | peak | |
| 2 | | 2373.987 | 4.00 | 30.72 | 34.72 | 54.00 | -19.28 | AVG | |
| 3 | X * | 2452.000 | 70.89 | 31.04 | 101.93 | 74.00 | 27.93 | peak | NoLimit |
| 4 | * | 2452.000 | 61.59 | 31.04 | 92.63 | 54.00 | 38.63 | AVG | NoLimit |
| 5 6 | | 2487.947 | 33.64 | 31.18 | 64.82 | 74.00 | -9.18 -4.53 | peak AVG | |
| | | 2487.947 | 18.29 | 31.18 | 49.47 | 54.00 | 7 6.0 | | |

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value Limit Value.

| T | est Mo | de | IEEE | 802.11b | | Test Da | ite | 202 ⁻ | 1/4/13 |
|-----------|---------|-----------|---------------|--------------|----------------|-----------|-------------|------------------|-------------|
| Tes | t Frequ | iency | 241 | 2MHz | | Polarizat | tion | Ve | rtical |
| | Temp | | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 dBu | ıV/m | | | | | | | | |
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| No. | Mk. | Freq. | Reading | Correct | Measure | - Limit | Over | | |
| | | MHz | Level dBuV | Factor dB | ment dBuV/m | dDu\//s | n dB | Detector | Comment |
| | | | | | | | | Detector | Comment |
| 1 | | 4824.000 | 60.80 | -9.96 | 50.84 | 74.00 | -23.16 | peak | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | est Mo t Frequ | | | | 802.11b 12MHz | | Test Date Polarization | | | 1/4/13 zontal |
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| No. | Mk. | Freq. | | Reading | Correct | Measure- | | Over | | 20000.00 1-11 |
| 110. | IVIIV. | 1 104. | | Level | Factor | ment | Liitiik | 0.101 | | |
| | | MHz | | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4824.1 | 50 | 63.42 | -9.96 | 53.46 | 74.00 | -20.54 | peak | |
| 2 | * | 4824.1 | 50 | 61.67 | -9.96 | 51.71 | 54.00 | -2.29 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | | | 802.11b | | Test Date | | | 1/4/13 |
|----------|-----------|----------------------|----------------|----------------|----------------|----------------|------------------|-------------|-------------|
| Te | st Frequ | | | 7MHz | | Polarizatio | n | | tical |
| 130.0 dl | Temp |) | 2 | 2°C | | Hum. | | 6 | 1% |
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| 1 | | MHz | dBuV | dB | dBuV/m | | dB | Detector | Comment |
| 2 | * | 4874.000 4874.000 | 55.96 50.96 | -9.79 -9.79 | 46.17 41.17 | 74.00 54.00 | -27.83 -12.83 | peak AVG | |
| _ | | 40/4.000 | JU.90 | -9.79 | 41.17 | 54.00 | -12.03 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | | | 802.11b | | Test Date | | | 1/4/13 |
|--------|-----------|----------|------------------|-------------------|------------------|---------------------|--------|----------|--------------|
| Ie | st Frequ | | | 37MHz 2°C | | Polarizatio Hum. | n | | zontal 1% |
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| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | - Limit | Over | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4874.000 | 58.33 | -9.79 | 48.54 | 74.00 | -25.46 | peak | Commone |
| 2 | * | 4874.000 | 53.79 | -9.79 | 44.00 | 54.00 | -10.00 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | de | | | 802.11b | | Test Date | | | 1/4/13 |
|-------------|----------|-------------|-----|------------------|-------------------|------------------|-------------|--------------------|----------|-------------|
| Tes | st Frequ | | | | 62MHz | | Polarizatio | n | | rtical |
| | Temp | | | 2 | 22°C | | Hum. | | 6 | 1% |
| 30.0 dB | luV/m | | | | | | | | | |
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| No. | Mk. | Freq. | ı | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
| | | MHz | | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4924.0 | | 54.26 | -9.62 | 44.64 | 74.00 | -29.36 | peak | |
| 2 | * | 4924.0 | 00 | 49.25 | -9.62 | 39.63 | 54.00 | -14.37 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| Te | Test Mo | | | 802.11b 2MHz | | Test Date Polarization | | | 1/4/13 zontal |
|--------------|-----------|-------------|------------------|-------------------|------------------|---------------------------|------------|----------|------------------|
| | Temp | | | 2°C | | Hum. | ••• | | 1% |
| 130.0 d | BuV/m | | | | | | | | |
| 120 | | | | | | | | | |
| 110 | | | | | | | | | |
| 100 | | | | | | | | | |
| 30 | | | | | | | | | |
| 30 | | | | | | | | | |
| 70 | | | | | | | | | |
| 50 | | | | | | | | | |
| 50 | | | | | | | | | |
| 10 | | 1 X X | | | | | | | |
| 80 | | | | | | | | | |
| | | | | | | | | | |
| 20 10.0 | | | | | | | | | |
| | 00 3550.0 | 0 6100.00 | 8650.00 | 11200.00 | 13750.00 | 16300.00 188 | B50.00 214 | 00.00 | 26500.00 MH: |
| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4924.000 | 55.37 | -9.62 | 45.75 | 74.00 | -28.25 | peak | |
| 2 | * | 4924.000 | 51.22 | -9.62 | 41.60 | 54.00 | -12.40 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | est Mo | | | | | 2.11g | | | | est Da | | | | 1/4/13 |
|------------|---------|--------|-----|---------|------|---------|-------|--------|------|---------|---------|-------|----------|-------------|
| Tes | t Frequ | | | 2 | 412N | | | | | larizat | ion | | | rtical |
| | Temp |) | | | 22°0 |) | | | | Hum. | | | 6 | 1% |
| 130.0 dB | ıV/m | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | | | |
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| o <u> </u> | | | | | | | | | | | | | | |
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| io | | | | | | | | | | | | | | |
| 10 | | 1 X | | | | | | | | | | | | |
| ,, | | 2 X | | | | | | | | | | | | |
| :0 | | ^ | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | |
| 1000.000 | 3550.0 | 0 6100 | .00 | 8650.00 | 11 | 200.00 | 13750 | 0.00 1 | 6300 | .00 1 | 18850.0 | D 214 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq | | Readin | g (| Correct | Me | asure- | | Limit | (| Over | | |
| | | | | Level | | Factor | n | nent | | | | | | |
| | | MHz | | dBuV | | dB | | uV/m | | BuV/m | | dB | Detector | Comment |
| 1 | | 4824.0 | | 53.29 | | -9.96 | | 3.33 | | 74.00 | | 80.67 | peak | |
| 2 | * | 4824.0 | 00 | 43.45 | | -9.96 | 3 | 3.49 | | 54.00 | -2 | 20.51 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| Te | Test Mo | | | 802.11g 12MHz | | Test Date Polarizatio | | | 1/4/13 zontal |
|----------|------------------|----------|------------------|-------------------|----------------------|--------------------------|--------------------|----------|------------------|
| - 10 | Temp | | | 22°C | | Hum. | | | 1% |
| 130.0 d | BuV/m | | | | | 1101111 | | | 1 70 |
| 120 | | | | | | | | | |
| 110 | | | | | | | | | |
| 100 | | | | | | | | | |
| 90 | | | | | | | | | |
| 80 | | | | | | | | | |
| 70 | | | | | | | | | |
| 60 | | | | | | | | | |
| 50 | | X X | | | | | | | |
| 10 30 | | 2 X | | | | | | | |
| 20 | | | | | | | | | |
| 0.0 | | | | | | | | | |
| | 00 3550.0 Mk. | | | 11200.00 | 13750.00 Measure- | | 850.00 214 Over | 00.00 | 26500.00 MH |
| No. | IVIK. | Freq. | Reading Level | Correct Factor | ment | - LIIIII(| Over | | |
| | | MHz | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4824.000 | 57.52 | -9.96 | 47.56 | 74.00 | -26.44 | peak | |
| 2 | * | 4824.000 |) 44.84 | -9.96 | 34.88 | 54.00 | -19.12 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| - | Test Mo | ode | | IE | EE | 802.11g | | | ٦ | Test Dat | te | | 202 | 1/4/13 |
|---------|-----------------|-----------------|----------|---------------|-----|---------------------|-----|-----------------|-----|------------------|----------------|------|----------|---------------|
| Tes | st Frequ | uency | | | 243 | 7MHz | | | Р | olarizati | ion | | | rtical |
| | Temp |) | | | 2 | 2°C | | | | Hum. | | | 6 | 1% |
| 30.0 dB | uV/m | | | | | 1 | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 50 | | 1 X | | | | | | | | | | | | |
| 10 | | 2 | | | | | | | | | | | | |
| 30 | | X | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | |
| 10.0 | 0. 0550.0 | 0 0100 | | 0050.0 | | 11000.00 | 107 | -0.00 | 100 | 20.00 | 10050.00 | 21.4 | 00.00 | 20500 00 1411 |
| No. | 0 3550.0 Mk. | 00 6100 Freq | | 8650.0 | | 11200.00 Correct | | o.oo easure- | | 00.00 1 Limit | 18850.00 O\ | | 00.00 | 26500.00 MH |
| INU. | IVIK. | FIEQ | • | Readi Leve | | Factor | | easure. ment | - | LIIIII | O(| /CI | | |
| | | MHz | <u>-</u> | dBu\ | | dB | | BuV/m | | dBuV/m | n d | В | Detector | Comment |
| 1 | | 4874.0 | | 53.8 | | -9.79 | | 44.01 | | 74.00 | -29 | | peak | |
| 2 | * | 4874.0 | 000 | 42.4 | 3 | -9.79 | , | 32.64 | | 54.00 | -21 | .36 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | nde | | IF | FFF | 802.11g | 1 | | | | Test Da | ate | | | 202 | 1/4/13 |
|----------|-----------|--------|----------|-------------|-----|----------------|---|-------|---------------|----|----------|-----|-------|------|----------|-------------|
| | st Frequ | | | | | 7MHz | , | | | F | Polariza | | | | | zontal |
| | Temp | | | | 2 | 2°C | | | | | Hum | ١. | | | 6 | 1% |
| 130.0 dl | 3uV/m | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | |
| 5U | | | | | | | | | | | | | | | | |
| 'O | | | | | | | | | | | | | | | | |
| io | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 10 | | 1 X | | | | | | | | | | | | | | |
| 10 | | 2 X | | | | | | | | | | | | | | |
| 30 | | Χ | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | | | |
| | 00 3550.0 | | | 8650.0 | | 11200.0 | | 13750 | | | 300.00 | | 0.00 | 2140 | 0.00 | 26500.00 MH |
| No. | Mk. | Freq | | Read Lev | | Corre Facto | | | asure nent | 9- | Limit | t | Ove | er | | |
| | | MHz | <u>'</u> | dBu | | dB | | | BuV/m | 1 | dBuV/ | m | dB | } | Detector | Comment |
| 1 | | 4874.0 | | 52.6 | | -9.7 | 9 | | 2.86 | | 74.00 | | -31.′ | 14 | peak | |
| 2 | * | 4874.0 | 000 | 42.5 | 6 | -9.7 | 9 | 3 | 2.77 | | 54.00 |) | -21.2 | 23 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | est Mo | | | l | | 802.1 | | | | | Test D | | | | | 1/4/13 |
|------------|-------------------------|---------|------|------|-----|-------|----------|------|-------|----|----------|-----|-------|------|----------|------------|
| les | | uency | | | | 2MH | <u>Z</u> | | | | Polariza | |) | | | rtical |
| 30.0 dBu | Tem _l V/m |) | | | 2 | 2°C | | | | | Hun | า. | | | 6 | 1% |
| 30.0 abu | 1¥7M | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
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| " <u> </u> | | | | | | | | | | | | | | | | |
| 0 | | 1 | | | | | | | | | | | | | | |
| o | | 1 X | | | | | | | | | | | | | | |
| | | 2 X | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1000.000 | 3550.0 | 00 6100 | 0.00 | 8650 | .00 | 1120 |).00 | 1375 | 0.00 | 16 | 300.00 | 188 | 50.00 | 2140 | 0.00 | 26500.00 M |
| No. | Mk. | Fred | . | Read | | | rect | | easur | | Limi | t | Ove | er | | • |
| | | | | Lev | | | ctor | | ment | | ID 11 | , | | | 5 | |
| | | MHz | | dB | | | IB oo | | BuV/r | | dBuV | | dE | | Detector | Comment |
| 1 | * | 4924.0 | | 53. | | | .62 | | 13.86 | | 74.0 | | -30. | | peak | |
| 2 | ^ | 4924.0 | JUU | 42. | 73 | -9 | .62 | , | 33.11 | | 54.0 | U | -20. | 89 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | | | IE | | 802.1 | | | | | Test D | | | | | 1/4/13 |
|-------------|-----------|--------|----|-------------|----|-------|--------------|------|----------------|----|----------|----|-------|------|----------|-------------|
| Те | st Frequ | | | | | 2MHz | <u>'</u> | | | F | Polariza | | | | | zontal |
| | Temp |) | | | 2 | 2°C | | | | | Hum | ۱. | | | 6 | 1% |
| 130.0 di | BuV/m | | | | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 30 - | | | | | | | | | | | | | | | | |
| BO | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | |
| so <u> </u> | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 10 L | | 1 X | | | | | | | | | | | | | | |
| 30 | | 2 X | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | | | |
| | 00 3550.0 | | | 8650.0 | | 11200 | | 1375 | | | 00.00 | | 50.00 | 2140 | 0.00 | 26500.00 MH |
| No. | Mk. | Freq | • | Read Lev | | | rect ctor | | easure ment | 9- | Limit | t | Ove | er | | |
| | | MHz | | dBu | | d | | | 3uV/n | า | dBuV/ | m | dB | | Detector | Comment |
| 1 | | 4924.0 | | 52.9 | | -9. | 62 | | 13.30 | | 74.00 | | -30.7 | | peak | |
| 2 | * | 4924.0 | 00 | 42.3 | 34 | -9. | 62 | 3 | 32.72 | | 54.00 |) | -21.2 | 28 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | est Mo | de | IEEE | E802. | 11n (HT20 | 0) | | Test Da | ate | | 202 | 1/4/13 |
|----------|---------|---------|-------------|-------|-------------------|---------|--------------|----------|---------|-------|----------|-------------|
| Tes | t Frequ | iency | | | 2MHz | | | Polariza | ation | | | tical |
| | Temp | | | 22 | 2°C | | | Hum | ١. | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |
| 0 | | 1 X | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| :0 | | 2 X | | | | | | | | | | |
| | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | |
| | 3550.0 | | | | 11200.00 | 13750.0 | | 300.00 | 18850.0 | | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | Read Lev | | Correct Factor | | sure- ent | Limit | t | Over | | |
| | | MHz | dB | | dB | | ıV/m | dBuV/ | m | dB | Detector | Comment |
| 1 | | 4824.00 | | | -9.96 | | .02 | 74.00 | | 28.98 | peak | 2 0 |
| 2 | * | 4824.00 | 0 44. | 10 | -9.96 | 34 | .14 | 54.00 |) - | 19.86 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| 7 | Test Mo | de | | IFFF802 | .11n (HT20 |)) | Test Date | | 202 | 1/4/13 |
|----------|---------------|------------------|----|--------------------|---------------------|-------------------|-------------|----------------------------|----------|---------------|
| | t Frequ | | | | 2MHz | ,, | Polarizatio | | | zontal |
| | Temp | | | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | | |
| 120 | | | | | | | | | | |
| | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 00 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 50 | | 1 | | | | | | | | |
| 10 | | 1 X 2 | | | | | | | | |
| 80 | | × | | | | | | | | |
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| 20 | | | | | | | | | | |
| 10.0 | 2550.0 | 0 0100 | 00 | 0050.00 | 11200.00 | 10750.00 | 1000000 100 | DE0.00 01.4 | 00.00 | 20500 00 1111 |
| No. | 3550.0 Mk. | 0 6100. Freq. | | 8650.00 Reading | 11200.00 Correct | 13750.00 Measure- | | 850.00 21 4 Over | 00.00 | 26500.00 MH |
| INU. | IVIK. | rieq. | | Level | Factor | ment | LIIIII | Ovei | | |
| | | MHz | | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4824.0 | | 54.83 | -9.96 | 44.87 | 74.00 | -29.13 | peak | |
| 2 | * | 4824.0 | 00 | 45.84 | -9.96 | 35.88 | 54.00 | -18.12 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| 7 | est Mo | de | IEE | E802. | 11n (HT2 | 0) | | To | est Da | ate | | 202 | 1/4/13 |
|----------|---------|----------|--------|-------|----------|------|--------|------|---------|--------|--------|----------|-------------|
| Tes | t Frequ | ency | | 243 | 7MHz | | | Ро | larizat | tion | | | rtical |
| | Temp | | | 2 | 2°C | | | | Hum. | | | 6 | 1% |
| 130.0 dB | ıV/m | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | | |
| no | | | | | | | | | | | | | |
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| 10 | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |
| :0 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| | | 1 X | | | | | | | | | | | |
| 10 | | 2 | | | | | | | | | | | |
| 30 | | X | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | |
| 1000.000 | 3550.00 | 0 6100.0 | 0 8650 | .00 | 11200.00 | 1375 | 0.00 | 1630 | 0.00 | 18850. | 00 214 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | Rea | | Correct | | asure- | • | Limit | | Over | | |
| | | | Le | | Factor | | ment | | | | | | |
| | | MHz | dB | | dB | | BuV/m | | lBuV/r | | dB | Detector | Comment |
| 1 | | 4874.000 | | | -9.79 | | 3.36 | | 74.00 | | 30.64 | peak | |
| 2 | * | 4874.000 |) 42. | .69 | -9.79 | 3 | 32.90 | | 54.00 | - | 21.10 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| Т | est Mo | de | IEEE80 | 2.11n (HT20 | 0) | Test Da | ate | 202 | 1/4/13 |
|----------|---------|----------|---------------|--------------|----------------|----------|------|----------|-------------|
| | t Frequ | | | 137MHz | | Polariza | | | zontal |
| | Temp | | | 22°C | | Hum | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | |
| 120 | | | | | | | | | |
| | | | | | | | | | |
| 10 | | | | | | | | | |
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| ν | | 2 X | | | | | | | |
| 0 | | ^ | | | | | | | |
| 20 | | | | | | | | | |
| 0.0 | | | | | | | | | |
| 1000.000 | 3550.0 | 0 6100.0 | 0 8650.00 | 11200.00 | 13750.00 | 16300.00 | | 400.00 | 26500.00 MH |
| No. | Mk. | Freq. | Reading | | Measure | - Limit | Over | | |
| | | MHz | Level dBuV | Factor dB | ment dBuV/m | dBuV/ı | m dB | Detector | Comment |
| 1 | | 4874.00 | | -9.79 | 43.48 | 74.00 | | peak | Comment |
| 2 | * | 4874.00 | | -9.79 | 32.88 | 54.00 | | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| ٦ | est Mo | de | IEEE | 802.1 | 11n (HT20 |)) | | Test Da | ate | | 202 | 1/4/13 |
|----------|---------|----------|-------------|-------|--------------|-------------|----|----------|---------|-------|----------|-------------|
| Tes | t Frequ | ency | | | 2MHz | , | | Polariza | tion | | Vei | rtical |
| | Temp | 1 | | 22 | 2°C | | | Hum | ١. | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | | | | |
| 120 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 0 - | | | | | | | | | | | | |
| :0 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 10 | | X X | | | | | | | | | | |
| | | 2 X | | | | | | | | | | |
| 30 | | ^ | | | | | | | | | | |
| 20 | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | |
| 1000.000 | 3550.0 | 0 6100.0 | 0 8650.0 | 00 | 11200.00 | 13750.00 | 16 | 300.00 | 18850.0 | 0 214 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | Read | | Correct | Measu | | Limit | t (| Over | | |
| | | MHz | Leve dBu | | Factor dB | men dBuV | | dBuV/ı | m | dB | Detector | Comment |
| 1 | | 4924.00 | | | -9.62 | 43.8 | | 74.00 | | 30.17 | peak | Commont |
| 2 | * | 4924.00 | | | -9.62 | 32.7 | | 54.00 | | 21.26 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| 7 | est Mo | da | I IEE | E802 | 11n (HT2 |))) | | 7 | Test Da | ato. | | 202 | 1/4/13 |
|----------|---------|----------|----------|---------------|-------------------|-------------|----------------|------|----------|--------|--------|----------|-------------|
| | t Frequ | | <u> </u> | | 2MHz | .0) | | | olarizat | | | | zontal |
| 100 | Temp | | | | 2°C | | | • | Hum. | | | | 1% |
| 130.0 dB | ıV/m | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
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| 50 | | | | | | | | | | | | | |
| 50 | | 1 | | | | | | | | | | | |
| 10 | | 1 X | | | | | | | | | | | |
| 80 | | 2 X | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | |
| 1000.000 | | 0 6100.0 | 0 8650 | 0.00 | 11200.00 | 1375 | 0.00 | 1630 | | 18850. | 00 214 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | | iding evel | Correct Factor | | easure ment | - | Limit | | Over | | |
| | | MHz | | BuV | dB | | BuV/m | (| dBuV/r | n | dB | Detector | Comment |
| 1 | | 4924.00 | | .30 | -9.62 | | 13.68 | | 74.00 | | 30.32 | peak | |
| 2 | * | 4924.00 | 0 42 | .55 | -9.62 | 3 | 32.93 | | 54.00 | | 21.07 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| 7 | est Mo | de | IEEE | 802. | 11n (HT4 | 0) | | T | est Da | ate | | 202 | 1/4/13 |
|-------------|---------|----------|---------|------|----------|-------|----------|------|---------|-------|----------|----------|-------------|
| Tes | t Frequ | ency | | | 2MHz | | | Po | olariza | tion | | | rtical |
| | Temp | | | 22 | 2°C | | | | Hum. | | | 6 | 1% |
| 130.0 dB | ıV/m | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
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| 0 | | | | | | | | | | | | | |
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| 50 | | 1 | | | | | | | | | | | |
| 10 <u> </u> | | * | | | | | | | | | | | |
| :0 | | 2 X | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 1000 000 | 3550.00 | 0 6100.0 | 0 8650. | nn | 11200.00 | 13750 | n nn · | 1020 | 0.00 | 18850 | 1 00 214 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | Read | | Correct | | asure- | | Limit | | Over | .00.00 | 20300.00 MI |
| 140. | 14117. | 1 104. | Le | | Factor | | nent | | | | O V C I | | |
| | | MHz | dBı | | dB | | BuV/m | (| dBuV/r | m | dB | Detector | Comment |
| 1 | | 4844.00 | 52. | 79 | -9.89 | | 2.90 | | 74.00 | | -31.10 | peak | |
| 2 | * | 4844.00 |) 42. | 34 | -9.89 | 3 | 2.45 | | 54.00 |) | -21.55 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | | IEE | | .11n (HT4 | 0) | | | t Date | | | | 1/4/13 |
|----------|----------|---------|------|--------------|-------------------|-------|----------------|---------|---------|---------|-----|----------|-------------|
| Tes | st Frequ | | | | 2MHz | | | | rizatio | on | | | zontal |
| | Temp |) | | 2 | 2°C | | | F | lum. | | | 6 | 1% |
| 130.0 dB | luV/m | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| 50 | | 1 × | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | |
| 30 | | 2 X | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | |
| | 0 3550.0 | | | | 11200.00 | 13750 | | 16300.0 | | 8850.00 | | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | | iding vel | Correct Factor | | asure- nent | · L | imit | Ov | er | | |
| | | MHz | | BuV | dB | | uV/m | dB | uV/m | dl | 3 | Detector | Comment |
| 1 | | 4844.00 | 0 55 | .29 | -9.89 | 4 | 5.40 | 7 | 4.00 | -28 | .60 | peak | |
| 2 | * | 4844.00 | 0 43 | .03 | -9.89 | 3: | 3.14 | 54 | 4.00 | -20 | .86 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | ode | | IEEE802 | .11n (HT40 | 0) | Test Date | | 202 | 1/4/13 |
|----------|----------|--------|----|------------------|-------------------|------------------|--------------|--------|----------|-------------|
| Te | st Frequ | uency | | 243 | 7MHz | , | Polarizatio | n | | rtical |
| | Temp |) | | 2 | 2°C | | Hum. | | 6 | 1% |
| 130.0 dB | luV/m | | | | | | | | | |
| 120 | | | | | | | | | | |
| 110 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 90 | | | | | | | | | | |
| 30 | | | | | | | | | | |
| 70 | | | | | | | | | | |
| | | | | | | | | | | |
| 50 | | | | | | | | | | |
| 50 | | 1 | | | | | | | | |
| 10 | | 1 X | | | | | | | | |
| 30 | | 2 X | | | | | | | | |
| | | | | | | | | | | |
| 20 | | | | | | | | | | |
| 10.0 | 0.0550 | | | 2052.00 | 11000.00 | 10750.00 | 10000 00 100 | 250.00 | 20.00 | |
| | 0 3550.0 | | | 8650.00 | 11200.00 | | | | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | | Reading Level | Correct Factor | Measure- ment | Limit | Over | | |
| | | MHz | | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4874.0 | 00 | 53.58 | -9.79 | 43.79 | 74.00 | -30.21 | peak | |
| 2 | * | 4874.0 | 00 | 42.67 | -9.79 | 32.88 | 54.00 | -21.12 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| | Test Mo | | IE | | .11n (HT4 | 0) | | Test Da | | | 1/4/13 |
|----------|-----------|---------|-----|---------------|-------------------|-------------|----|-----------|----------|------------|-------------|
| Te | st Frequ | | | | 37MHz | | | Polarizat | | | izontal |
| | Temp |) | | 2 | 2°C | | | Hum. | | 6 | 61% |
| 130.0 dE | BuV/m | | | | | | | | | | |
| 120 | | | | | | | | | | | |
| 110 | | | | | | | | | | | |
| 100 | | | | | | | | | | | |
| 90 | | | | | | | | | | | |
| во | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 50 — | | | | | | | | | | | |
| 50 | | | | | | | | | | | |
| 10 | | X X | | | | | | | | | |
| 30 | | 2 X | | | | | | | | | |
| 20 | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | |
| | 00 3550.0 | | | 50.00 | 11200.00 | 13750.00 | | | 18850.00 | 21400.00 | 26500.00 MH |
| No. | Mk. | Freq. | | ading evel | Correct Factor | Meas mei | | Limit | Ov | er | |
| | | MHz | | BuV | dB | dBu∖ | | dBuV/r | n dE | B Detector | Comment |
| 1 | | 4874.00 | 0 5 | 3.66 | -9.79 | 43.8 | 37 | 74.00 | -30. | | |
| 2 | * | 4874.00 | 0 4 | 2.74 | -9.79 | 32.9 | 95 | 54.00 | -21. | 05 AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| - | Test Mo | ode | IEE | E802 | .11n (HT4 | -0) | | Т | est Dat | e | | 202 | 1/4/13 |
|-----------------|----------|---------|--------|-------|-----------|------|---------|------|-----------|---------|------|----------|-------------|
| Tes | st Frequ | uency | | 245 | 52MHz | , | | Po | olarizati | on | | | rtical |
| | Temp |) | | 2 | 2°C | | | | Hum. | | | 6 | 1% |
| 130.0 dB | uV/m | | | | | | | | | | | | |
| 120 | | | | | | | | | | | | | |
| 110 | | | | | | | | | | | | | |
| 00 | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | |
| 40 L | | X X | | | | | | | | | | | |
| 30 | | 2 X | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | |
| 10.0 1000.00 | 0 3550.0 | 0 6100. | 00 865 | 0.00 | 11200.00 | 1375 | 0.00 | 1630 | 0.00 1 | 8850.00 | 2140 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | Rea | ading | Correct | Me | easure- | | Limit | Ov | | | |
| | | | | evel | Factor | | ment | | | | | | |
| | | MHz | | 3uV | dB | | 3uV/m | C | dBuV/m | | | Detector | Comment |
| 1 | | 4904.00 | | 3.30 | -9.69 | | 13.61 | | 74.00 | -30 | | peak | |
| 2 | * | 4904.00 | 00 42 | 2.25 | -9.69 | 3 | 32.56 | | 54.00 | -21 | .44 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.

| - | Test Mo | ode | | IEEE802 | .11n (HT40 | D) | Test Date | | 202 | 1/4/13 |
|---------|----------|----------|----|---------|------------|----------|-------------|--------------------|----------|-------------|
| Tes | st Frequ | uency | | | 52MHz | / | Polarizatio | n | Hori | zontal |
| | Temp |) | | 2 | 2°C | | Hum. | | 6 | 1% |
| 30.0 dB | uV/m | | | | | | | | | |
| 120 | | | | | | | | | | |
| | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 00 | | | | | | | | | | |
| 10 | | | | | | | | | | |
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| 80 | | | | | | | | | | |
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| 50 | | 1 X | | | | | | | | |
| ю | | 2 | | | | | | | | |
| 30 | | X | | | | | | | | |
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| 20 | | | | | | | | | | |
| 1000.00 | 0 3550.0 | 00 6100. | nn | 8650.00 | 11200.00 | 13750.00 | 16300.00 18 | 850.00 21 4 | 00.00 | 26500.00 MH |
| No. | Mk. | Freq. | | Reading | Correct | Measure- | | Over | 00.00 | 20300.00 MI |
| 140. | IVIII. | 1 104. | | Level | Factor | ment | Liiiit | 0 101 | | |
| | | MHz | | dBuV | dB | dBuV/m | dBuV/m | dB | Detector | Comment |
| 1 | | 4904.0 | | 54.22 | -9.69 | 44.53 | 74.00 | -29.47 | peak | |
| 2 | * | 4904.0 | 00 | 42.28 | -9.69 | 32.59 | 54.00 | -21.41 | AVG | |

- (1) Measurement Value = Reading Level + Correct Factor.(2) Margin Level = Measurement Value Limit Value.



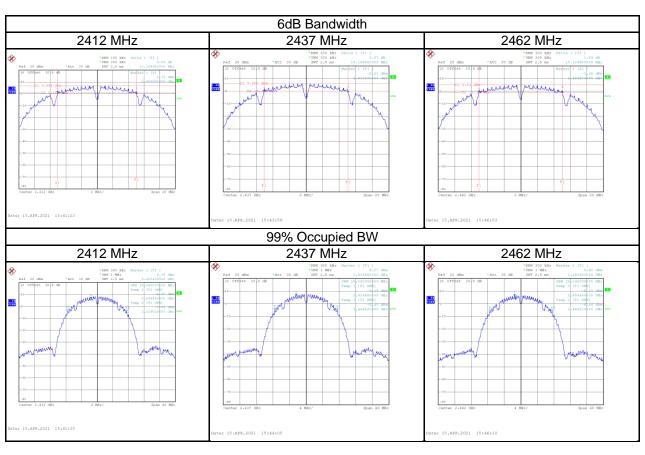
Report No.: BTL-FCCP-3-2103T163 APPENDIX D BANDWIDTH

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| Test Mode | IEEE 802.11b |
|-----------|--------------|
|-----------|--------------|

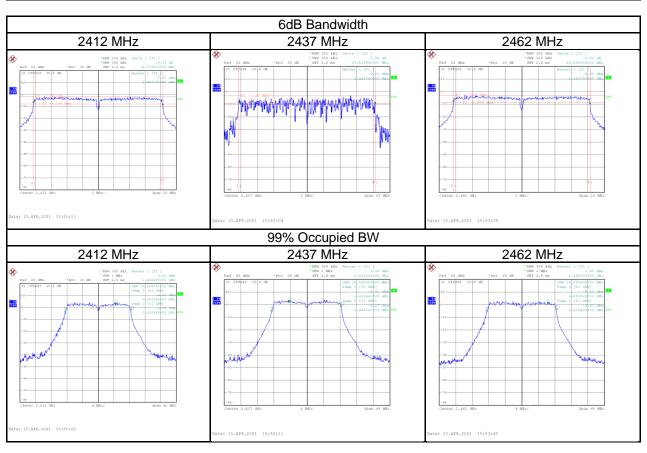
| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | Minimum 6 dB Bandwidth Limit (kHz) | Result |
|-------------------------|-------------------------|-------------------------------|--|--------|
| 2412 | 10.16 | 15.04 | ≥ 500 | Pass |
| 2437 | 10.17 | 15.04 | ≥ 500 | Pass |
| 2462 | 10.13 | 15.04 | ≥ 500 | Pass |





Test Mode IEEE 802.11g

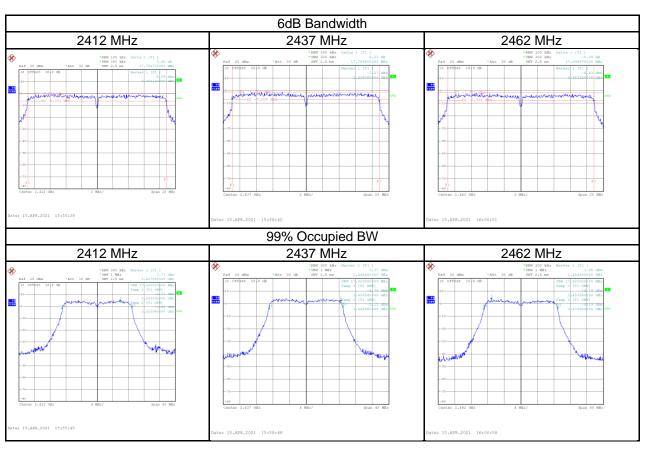
| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | Minimum 6 dB Bandwidth Limit (kHz) | Result |
|-------------------------|-------------------------|-------------------------------|--|--------|
| 2412 | 16.58 | 16.88 | ≥ 500 | Pass |
| 2437 | 16.52 | 16.88 | ≥ 500 | Pass |
| 2462 | 16.58 | 16.88 | ≥ 500 | Pass |





Test Mode IEEE 802.11n (HT20)

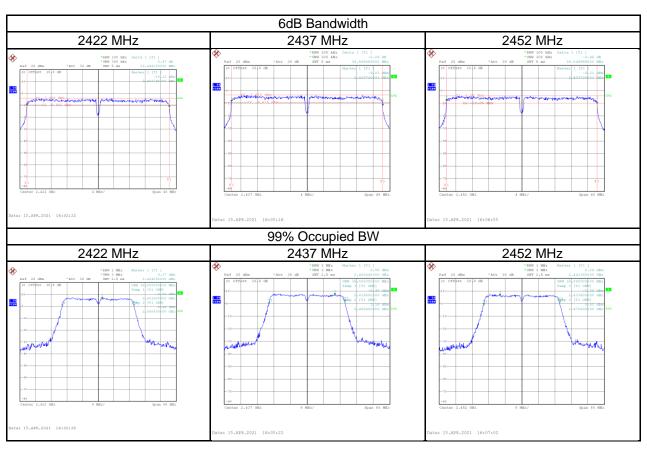
| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | Minimum 6 dB Bandwidth Limit (kHz) | Result |
|-------------------------|-------------------------|-------------------------------|--|--------|
| 2412 | 17.76 | 17.92 | ≥ 500 | Pass |
| 2437 | 17.79 | 17.92 | ≥ 500 | Pass |
| 2462 | 17.70 | 17.92 | ≥ 500 | Pass |

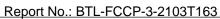




Test Mode IEEE 802.11n (HT40)

| Test Frequency (MHz) | 6 dB Bandwidth (MHz) | 99 % Occupied Bandwidth (MHz) | Minimum 6 dB Bandwidth Limit (kHz) | Result |
|-------------------------|-------------------------|-------------------------------|--|--------|
| 2422 | 36.45 | 36.80 | ≥ 500 | Pass |
| 2437 | 36.57 | 36.80 | ≥ 500 | Pass |
| 2452 | 36.55 | 36.80 | ≥ 500 | Pass |







| APPENDIX E | OUTPUT POWER |
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2462

Test Mode

21.08

IEEE 802.11n (HT20)

Report No.: BTL-FCCP-3-2103T163

| Test Mode | IEEE 802.11b | | Tested Date | 2021/4/12 | | |
|--------------------|-----------------------|---------------------|----------------|--------------|-----------|--|
| Frequency (MHz) | Conducted Power (dBm) | Conducted Power (W) | Limit (dBm) | Limit (W) | Result | |
| 2412 | 19.20 | 0.0832 | 30.00 | 1.0000 | Complies | |
| 2437 | 19.20 | 0.0832 | 30.00 | 1.0000 | Complies | |
| 2462 | 18.67 | 0.0736 | 30.00 | 1.0000 | Complies | |
| | | | | • | | |
| Test Mode | IEEE 802.11g | | Т | Tested Date | 2021/4/12 | |

| | • | | | | |
|-----------|-----------------|----------------------|-------|--------|----------|
| | · | · | | · | · |
| Frequency | Conducted Power | Conducted Power (W) | Limit | Limit | Result |
| (MHz) | (dBm) | Conducted Fower (VV) | (dBm) | (W) | Result |
| 2412 | 21.63 | 0.1455 | 30.00 | 1.0000 | Complies |
| 2437 | 21.67 | 0.1469 | 30.00 | 1.0000 | Complies |
| | | | | | |

30.00

1.0000

Tested Date

Complies

2021/4/12

0.1282

| Frequency | Conducted Power | O 1 1 - D (14) | Limit | Limit | Result |
|-----------|-----------------|---------------------|-------|--------|----------|
| (MHz) | (dBm) | Conducted Power (W) | (dBm) | (W) | Resuit |
| 2412 | 21.89 | 0.1545 | 30.00 | 1.0000 | Complies |
| 2437 | 21.32 | 0.1355 | 30.00 | 1.0000 | Complies |
| 2462 | 20.90 | 0.1230 | 30.00 | 1.0000 | Complies |

| Test Mode | IEEE 802.11n (HT40) | | Te | sted Date | 2021/4/12 | |
|-----------|---------------------|--|--------|-----------|-----------|--|
| | | | | | | |
| Frequency | Conducted Power | | l imit | Limit | | |

| Frequency | Conducted Power | Conducted Dower (M) | Limit | Limit | Dogult |
|-----------|-----------------|---------------------|-------|--------|----------|
| (MHz) | (dBm) | Conducted Power (W) | (dBm) | (W) | Result |
| 2422 | 21.65 | 0.1462 | 30.00 | 1.0000 | Complies |
| 2437 | 22.08 | 0.1614 | 30.00 | 1.0000 | Complies |
| 2452 | 22.06 | 0.1607 | 30.00 | 1.0000 | Complies |

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| APPENDIX F | POWER SPECTRAL DENSITY | |
|------------|------------------------|--|
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Test Mode IEEE 802.11b

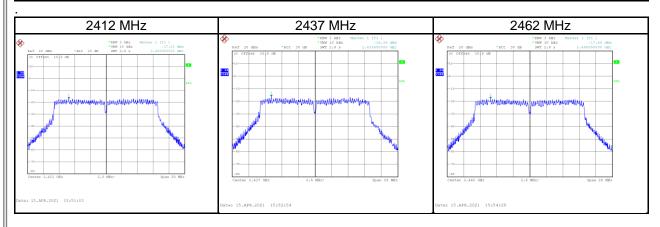
| Test Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Maximum Limit (dBm/3kHz) | Result |
|-------------------------|--------------------------------------|-----------------------------|--------|
| 2412 | -13.80 | 8.00 | Pass |
| 2437 | -14.65 | 8.00 | Pass |
| 2462 | -15.51 | 8.00 | Pass |





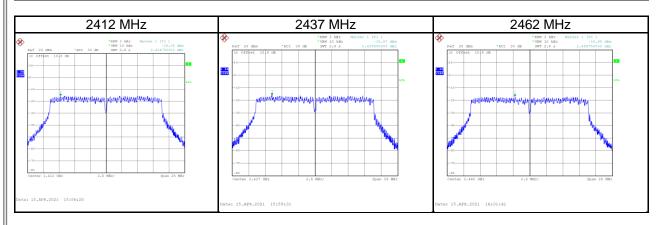
| Test Mode | IEEE 802.11g |
|-----------|--------------|
| 163t Mode | ILLE 002.119 |

| Test Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Maximum Limit (dBm/3kHz) | Result |
|-------------------------|--------------------------------------|-----------------------------|--------|
| 2412 | -17.02 | 8.00 | Pass |
| 2437 | -16.38 | 8.00 | Pass |
| 2462 | -17.84 | 8.00 | Pass |





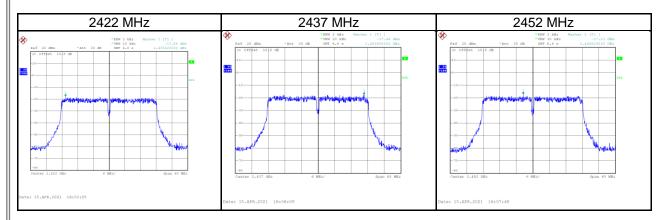
| Test Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Maximum Limit (dBm/3kHz) | Result |
|-------------------------|--------------------------------------|-----------------------------|--------|
| 2412 | -15.26 | 8.00 | Pass |
| 2437 | -15.87 | 8.00 | Pass |
| 2462 | -16.95 | 8.00 | Pass |





Test Mode IEEE 802.11n (HT40)

| Test Frequency (MHz) | Power Spectral Density (dBm/3kHz) | Maximum Limit (dBm/3kHz) | Result |
|-------------------------|--------------------------------------|-----------------------------|--------|
| 2422 | -17.54 | 8.00 | Pass |
| 2437 | -17.46 | 8.00 | Pass |
| 2452 | -17.23 | 8.00 | Pass |





| APPENDIX G | ANTENNA CONDUCTED SPURIOUS EMISSIONS |
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