



CFR 47 FCC PART 15 SUBPART E ISED RSS-247 Issue 3

TEST REPORT

For

INFINITY GAME BOARD

MODEL NUMBER: IGB-I-301202

REPORT NUMBER: 4791327949.2-RF-2

ISSUE DATE: July 15, 2024

FCC ID: 2APXHIGB5G IC: 24128-IGB5G

Prepared for

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Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|---------------|---------------|------------|
| V0 | July 15, 2024 | Initial Issue | |

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Summary of Test Results

| Test Item | Clause | Limit/Requirement | Result |
|--|--|--|--------|
| ON TIME AND DUTY CYCLE | ANSI C63.10-2013, Clause 12.2 | None; for reporting purposes only. | Pass |
| 6dB AND 26dB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH | KDB 789033 D02 v02r01 Section C.1 | FCC Part 15.407 (a)/(e), RSS-247 Issue 2, Clause 6.2.1.2 RSS-Gen Clause 6.7 | Pass |
| CONDUCTED OUTPUT POWER | KDB 789033 D02 v02r01 Section E.3.a (Method PM) | FCC 15.407 (a) RSS-247 Clause 6.2 | Pass |
| POWER SPECTRAL DENSITY | KDB 789033 D02 v02r01 Section F | FCC 15.407 (a) RSS-247 Clause 6.2 | Pass |
| AC Power Line Conducted Emission | ANSI C63.10-2013, Clause 6.2. | FCC 15.207 RSS-GEN Clause 8.8 | Pass |
| Radiated Emissions and Band Edge Measurement | KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6 | FCC 15.407 (b) FCC 15.209 FCC 15.205 RSS-247 Clause 6.2 RSS-GEN Clause 8.9 | Pass |
| FREQUENCY STABILITY | ANSI C63.10-2013,Clause 6.8 | FCC 15.407 (g) | Pass |
| Dynamic Frequency Selection (Slave) | KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 | FCC Part 15.407 (h), RSS-247 Issue 3 Clause6.3 | N/A |
| Dynamic Frequency Selection (Master) | KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 | FCC Part 15.407 (h), RSS-247 Issue 3 Clause6.3 | N/A |
| Antenna Requirement | N/A | FCC 47 CFR Part 15.203/ 15.407(a)(1) (2), RSS-Gen Issue 5, Clause 6.8 | Pass |

Note:

^{1.} N/A: In this whole report not applicable.

^{*}This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

^{*}The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART E, ISED RSS-247 Issue 3> when <Simple Acceptance> decision rule is applied.



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: WF Tastemakers Trading Limited

Address: FCC Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower

Concordia Plaza, 1 Science Museum Road, TST East, Hong

Kong

ISED Address: 347 Fifth Avenue Suite 1402-199, New York NY

10018 United States Of America (Excluding The States Of

Alaska)

Manufacturer Information

Company Name: WF Tastemakers Trading Limited

Address: FCC Address: Unit 05 and unit 06, 6th Floor, Greenfield Tower

Concordia Plaza, 1 Science Museum Road, TST East, Hong

Kong

ISED Address: 347 Fifth Avenue Suite 1402-199, New York NY

10018 United States Of America (Excluding The States Of

Alaska)

EUT Information

EUT Name: INFINITY GAME BOARD

Model: IGB-I-301202
Brand: ARCADE1UP
Sample Received Date: May 15, 2024

Sample Status: Normal Sample ID: 7326655

Date of Tested: May 15, 2024 to July 15, 2024



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| APPLICABLE STANDARDS | | | |
|--|------|--|--|
| STANDARD TEST RESULTS | | | |
| CFR 47 FCC PART 15 SUBPART E ISED RSS-247 Issue 3 | Pass | | |

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Approved By:

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2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART E ISED RSS-247 Issue 3, ANSI C63.10-2013, CFR 47 FCC Part 2, KDB 789033 D02 v02r01, RSS-GEN Issue 5, KDB414788 D01 Radiated Test Site v01.

3. FACILITIES AND ACCREDITATION

| · | | | | | |
|---------------|--|--|--|--|--|
| | A2LA (Certificate No.: 4102.01) | | | | |
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. | | | | |
| | has been assessed and proved to be in compliance with A2LA. | | | | |
| | FCC (FCC Designation No.: CN1187) | | | | |
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. | | | | |
| | Has been recognized to perform compliance testing on equipment subject | | | | |
| | to the Commission's Declaration of Conformity (DoC) and Certification | | | | |
| | rules | | | | |
| | ISED (Company No.: 21320) | | | | |
| Accreditation | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. | | | | |
| Certificate | has been registered and fully described in a report filed with ISED. | | | | |
| | The Company Number is 21320 and the test lab Conformity Assessment | | | | |
| | Body Identifier (CABID) is CN0046. | | | | |
| | VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202) | | | | |
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. | | | | |
| | has been assessed and proved to be in compliance with VCCI, the | | | | |
| | Membership No. is 3793. | | | | |
| | Facility Name: | | | | |
| | Chamber D, the VCCI registration No. is G-20192 and R-20202 | | | | |
| | Shielding Room B, the VCCI registration No. is C-20153 and T-20155 | | | | |

Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

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4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

| Uncertainty | |
|---------------------------|--|
| 3.62 dB | |
| 2.2 dB | |
| 4.00 dB | |
| 5.78 dB (1 GHz ~ 18 GHz) | |
| 5.23 dB (18 GHz ~ 26 GHz) | |
| 5.37 dB (26 GHz ~ 40 GHz) | |
| ±0.028% | |
| ±0.0196% | |
| ±0.766 dB | |
| ±1.22 dB | |
| ±2.76% | |
| ±1.01 dB | |
| ±1.328 dB | |
| ±0.746 dB (9 kHz ~ 1 GHz) | |
| ±1.328dB (1 GHz ~ 26 GHz) | |
| | |

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

| EUT Name | INFINITY GAME BOARD |
|----------|---------------------|
| Model | IGB-I-301202 |

| Frequency Range: | 5180 MHz to 5240 MHz 5 745 MHz to 5 825 MHz |
|----------------------|---|
| Type of Modulation: | IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM(256QAM, 64QAM, 16QAM, QPSK, BPSK) |
| Radio Technology: | IEEE802.11a 20, 802.11n HT40, 802.11ac VHT40/ac VHT80 |
| Normal Test Voltage: | AC 120 V, 60 Hz |

Note: The EUT does not support 802.11n HT20 and 11ac VHT20 modes.

5.2. CHANNEL LIST

| UNII-1 | | UNII-1 | | UNII-1 | |
|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|
| (For Bandwidth=20MHz) | | (For Bandwidth=40MHz) | | (For Bandwidth=80MHz) | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 36 | 5180 | 38 | 5190 | 42 | 5210 |
| 40 | 5200 | 46 | 5230 | | |
| 44 | 5220 | | | | |
| 48 | 5240 | | | | |

| UNII-3 (For Bandwidth=20MHz) | | UNII-3 (For Bandwidth=40MHz) | | UNII-3 (For Bandwidth=80MHz) | |
|---------------------------------|--------------------|---------------------------------|--------------------|---------------------------------|--------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 149 | 5745 | 151 | 5755 | 155 | 5775 |
| 153 | 5765 | 159 | 5795 | | |
| 157 | 5785 | | | | |
| 161 | 5805 | | | | |
| 165 | 5825 | | | | |

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5.3. MAXIMUM POWER

UNII-1 BAND(FCC&ISED)

| IEEE Std. 802.11 | Frequency (MHz) | Maximum Average Conducted Power (dBm) | Max Average EIRP (dBm) |
|------------------|--------------------|---------------------------------------|------------------------|
| а | | 11.92 | 13.87 |
| n HT40 | 5150 ~ 5250 | 10.97 | 12.92 |
| ac VHT80 | | 10.50 | 12.45 |

UNII-3 BAND(FCC&ISED)

| IEEE Std. 802.11 | Frequency (MHz) | Maximum Average Conducted Power (dBm) |
|------------------|--------------------|---------------------------------------|
| а | | 10.46 |
| n HT40 | 5725 ~ 5850 | 10.17 |
| ac VHT80 | | 9.54 |

5.4. TEST CHANNEL CONFIGURATION

| UNII-1 Test Channel Configuration | | | | | | |
|---|---|--------------------|--|--|--|--|
| IEEE Std. Test Channel Number Frequency | | | | | | |
| 802.11a | 5180 MHz, 5200 MHz, 5240 MHz | | | | | |
| 802.11n HT40 | CH 38(Low Channel), CH 46(High Channel) | 5190 MHz, 5230 MHz | | | | |
| 802.11ac VHT80 | CH 42(Low Channel) | 5210 MHz | | | | |

| UNII-3 Test Channel Configuration | | | | | |
|-----------------------------------|---------------------------------|----------|--|--|--|
| IEEE Std. | Frequency | | | | |
| 802.11a | 5745 MHz, 5785 MHz, 5825 MHz | | | | |
| 802.11n HT40 | 5755MHz, 5795MHz | | | | |
| 802.11ac VHT80 | CH 155(Low Channel) | 5775 MHz | | | |



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5.5. THE WORSE CASE POWER SETTING PARAMETER

| The Worse Case Power Setting Parameter | | | |
|--|--------------|--|--|
| Test Software | RF Test Tool | | |

UNII-1

| Mode | Rate | Channel | Soft set value |
|------------|--------|---------|--------------------|
| Ivioue | i\ale | Charine | ANT 1 |
| | | 36 | default |
| 11a | 6M | 40 | default |
| | | 48 | default |
| 14n UT40 | MCS0 | 38 | default |
| 11n HT40 | IVICSU | 46 | default |
| 11ac VHT40 | MCS0 | 38 | Cover by 11n HT40 |
| TIAC VHT40 | IVICOU | 46 | Cover by 1111 H140 |
| 11ac VHT80 | MCS0 | 42 | default |

UNII-3

| 51411 0 | | | | | | |
|------------|--------|---------|--------------------|--|--|--|
| Mode | Doto | Channal | Soft set value | | | |
| Mode | Rate | Channel | ANT1 | | | |
| | | 149 | default | | | |
| 11a | 6M | 157 | default | | | |
| | | 165 | default | | | |
| 44 n LIT40 | MCS0 | 151 | default | | | |
| 11n HT40 | MCSU | 159 | default | | | |
| 11ac VHT40 | MCS0 | 151 | Cover by 11n HT40 | | | |
| TIAC VH140 | IVICSU | 159 | Cover by 1111 H140 | | | |
| 11ac VHT80 | MCS0 | 155 | default | | | |

WORSE CASE CONFIGURATIONS

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable a continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5. Worst case Data Rates declared by the customer:

802.11a 20 mode: 6 Mbps 802.11n HT40 mode: MCS0 802.11ac VHT40 mode: MCS0 802.11ac VHT80 mode: MCS0

802.11ac VHT40 mode is different from 802.11n HT40 only in control messages, so for these 2 modes, only 802.11n HT40 worst case power modes test data are recorded in the report.

The measured additional path loss was included in any path loss calculations for all RF cable used during tested.



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5.6. DESCRIPTION OF AVAILABLE ANTENNAS

| Antenna No. | Frequency Band | Antenna Type | Max Antenna Gain (dBi) |
|-------------|----------------|------------------|------------------------|
| 1 | 5150-5850 | Monopole Antenna | 1.95 |

| IEE Std. 802.11 | Transmit and Receive Mode | Description | | | |
|-----------------|---------------------------|--|--|--|--|
| 802.11a | ⊠1TX, 1RX | ANT 1 can be used as transmitting/receiving antenna. | | | |
| 802.11n HT40 | ⊠1TX, 1RX | ANT 1 can be used as transmitting/receiving antenna. | | | |
| 802.11ac VHT40 | ⊠1TX, 1RX | ANT 1 can be used as transmitting/receiving antenna. | | | |
| 802.11ac VHT80 | ⊠1TX, 1RX | ANT 1 can be used as transmitting/receiving antenna. | | | |

Note:

1. WLAN 2.4G & WLAN 5G can't transmit simultaneously (Declared by client)

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5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

| Item | Equipment | Brand Name | Model Name | Remarks | |
|------|-----------|------------|------------|----------|--|
| 1 | Laptop | Lenovo | E42-80 | R303U5AG | |

I/O CABLES

| Cable No | Port | Connector Type | Cable Type | Cable Length(m) | Remarks |
|----------|------|----------------|------------|-----------------|---------|
| 1 | USB | / | / | 1.0 | / |

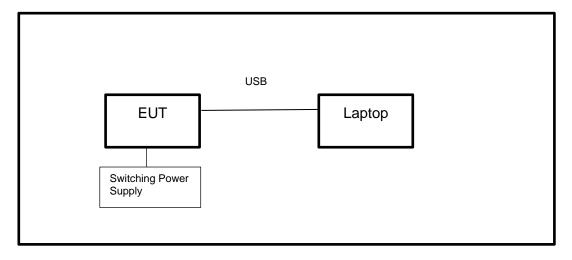
ACCESSORIES

| Item | Accessory | Brand Name | Model Name | Description |
|------|---------------------------|------------|--------------------|---|
| 1 | Switching Power Supply | Royal | BI36L-120300-I-LED | Input: AC 120V-240V, 50/60Hz, 1.2A Output: DC 12V, 3.0A, 36.0W |

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS



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6. MEASURING EQUIPMENT AND SOFTWARE USED

| R&S TS 8997 Test System | | | | | | | | | |
|--|-------|-----------|----------|--------------|--------------------|-------------------|--------------|------|--------------|
| Equipment | | Manufac | turer | Model | No. | Serial No. | Last (| Cal. | Due. Date |
| Power sensor, Power Meter R&S | | | 3 | OSP120 | | 100921 | Mar.25,2024 | | Mar.24,2025 |
| Vector Signal General | tor | R&S | 6 | SMBV1 | 00A | 261637 | Oct.12, | 2023 | Oct.11, 2024 |
| Signal Generator | | R&S | 3 | SMB10 | A00 | 178553 | Oct.12, | 2023 | Oct.11, 2024 |
| Signal Analyzer | | R&S | 3 | FSV4 | 10 | 101118 | Oct.12, | 2023 | Oct.11, 2024 |
| | | | | Softwa | re | | | | |
| Description | | ı | Manuf | acturer | | Nam | е | | Version |
| For R&S TS 8997 Test | Syste | em Ro | hde & | Schwar | z | EMC | 32 | | 10.60.10 |
| | | To | nsen | d RF Te | st S | ystem | | | |
| Equipment | Man | ufacturer | Mod | del No. | S | Serial No. | Last (| Cal. | Due. Date |
| Wideband Radio Communication Tester | | R&S | R&S CM | | 155523 | | Oct.12, 2023 | | Oct.11, 2024 |
| Wireless Connectivity Tester | | R&S | СМ | W270 | 120 | 1.0002N75- 102 | Sep.25, 2023 | | Sep.24, 2024 |
| PXA Signal Analyzer | Ke | eysight | N9 | 030A | MY | ′55410512 | Oct.12, 2023 | | Oct.11, 2024 |
| MXG Vector Signal Generator | Ke | eysight | N5 | 182B | MY56200284 | | Oct.12, | 2023 | Oct.11, 2024 |
| MXG Vector Signal Generator | Ke | eysight | N5 | 172B | MY56200301 | | Oct.12, | 2023 | Oct.11, 2024 |
| DC power supply | Ke | eysight | E3 | 642A | MY | ′55159130 | Oct.12, | 2023 | Oct.11, 2024 |
| Temperature & Humidity Chamber | IAS | MOOD | SG-8 | 30-CC-2 2 | | 2088 | Oct.12, | 2023 | Oct.11, 2024 |
| Attenuator | А | glient | 84 | 495B | 28 | 14a12853 | Oct.12, 2023 | | Oct.11, 2024 |
| RF Control Unit | То | nscend | JS0806-2 | | 23B80620666 Mar.25 | | Mar.25, | 2024 | Mar.24,2025 |
| | | | | Softwa | re | | | | |
| Description | | Manufac | turer | Name Version | | | Version | | |
| Tonsend SRD Test System Tonsend | | | | JS1 | 120- | 3 RF Test S | ystem | | V3.2.22 |



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| Conducted Emissions | | | | | |
|---------------------------------------|--------------|-----------|--------------|--------------|--------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| EMI Test Receiver | R&S | ESR3 | 101961 | Oct.13, 2023 | Oct.12, 2024 |
| Two-Line V- Network | R&S | ENV216 | 101983 | Oct.13, 2023 | Oct.12, 2024 |
| Artificial Mains Networks | Schwarzbeck | NSLK 8126 | 8126465 | Oct.13, 2023 | Oct.12, 2024 |
| Software | | | | | |
| Description | | | Manufacturer | Name | Version |
| Test Software for Conducted Emissions | | | Farad | EZ-EMC | Ver. UL-3A1 |

| Radiated Emissions | | | | | |
|--------------------------------|--------------|--|-------------------|---------------|---------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| MXE EMI Receiver | KESIGHT | N9038A | MY56400036 | Oct.12, 2023 | Oct.11, 2024 |
| Hybrid Log Periodic Antenna | TDK | HLP-3003C | 130959 | Aug.02, 2021 | Aug.01, 2024 |
| Preamplifier | HP | 8447D | 2944A09099 | Oct.12, 2023 | Oct.11, 2024 |
| EMI Measurement Receiver | R&S | ESR26 | 101377 | Oct.12, 2023 | Oct.11, 2024 |
| Horn Antenna | TDK | HRN-0118 | 130940 | July 20, 2021 | July 19, 2024 |
| Preamplifier | TDK | PA-02-0118 | TRS-305- 00067 | Oct.12, 2023 | Oct.11, 2024 |
| Horn Antenna | Schwarzbeck | BBHA9170 | 697 | July 20, 2021 | July 19, 2024 |
| Preamplifier | TDK | PA-02-2 | TRS-307- 00003 | Oct.12, 2023 | Oct.11, 2024 |
| Preamplifier | TDK | PA-02-3 | TRS-308- 00002 | Oct.12, 2023 | Oct.11, 2024 |
| Loop antenna | Schwarzbeck | 1519B | 80000 | Dec.14, 2021 | Dec.13, 2024 |
| Preamplifier | TDK | PA-02-001- 3000 | TRS-302- 00050 | Oct.12, 2023 | Oct.11, 2024 |
| Highpass Filter | Wainwright | WHKX10- 5850-6500- 1800-40SS | 4 | Oct.12, 2023 | Oct.11, 2024 |
| Band Reject Filter | Wainwright | WRCJV12- 5695-5725- 5850-5880- 40SS | 4 | Oct.12, 2023 | Oct.11, 2024 |
| Band Reject Filter | Wainwright | WRCJV20- 5120-5150- 5350-5380- 60SS | 2 | Oct.12, 2023 | Oct.11, 2024 |
| Software | | | | | |



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| Description | Manufacturer | Name | Version |
|--------------------------------------|--------------|--------|-------------|
| Test Software for Radiated Emissions | Farad | EZ-EMC | Ver. UL-3A1 |

| Other Instrument | | | | | |
|----------------------------|--------------|-----------|------------|--------------|--------------|
| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Due Date |
| Temperature humidity probe | OMEGA | ITHX-SD-5 | 18470007 | Oct.21, 2023 | Oct.20, 2024 |
| Barometer | Yiyi | Baro | N/A | Oct.19, 2023 | Oct.18, 2024 |
| Attenuator | Agilent | 8495B | 2814a12853 | Oct.12, 2023 | Oct.11, 2024 |



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7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

LIMITS

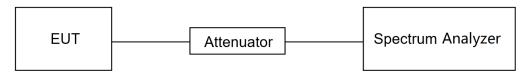
None; for reporting purposes only.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq EBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

TEST SETUP



TEST ENVIRONMENT

| Temperature | 24.4℃ | Relative Humidity | 60.8% |
|---------------------|--------|-------------------|--------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V 60Hz |

TEST DATE / ENGINEER

| Test Date | May 15, 2024 | Test By | Burt Hu |
|------------|--------------|---------|---------|
| . ooi Daio | ay .o, _o | | = a a |

TEST RESULTS

Please refer to section "Test Data" - Appendix J

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7.2. 6DB AND 26DB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

| CFR 47 FCC Part15, Subpart E ISED RSS-247 ISSUE 3 | | | | | |
|--|---|---|--|--|--|
| Test Item | Limit | Frequency Range (MHz) | | | |
| 26 dB Emission Bandwidth | For reporting purposes only. | 5150 ~ 5250 | | | |
| 26 dB Emission Bandwidth | For reporting purposes only. | 5250 ~ 5350 | | | |
| 26 dB Emission Bandwidth | For reporting purposes only. | 5470 ~ 5725 (For FCC) 5470 ~ 5600 (For ISED) 5650 ~ 5725 (For ISED) | | | |
| 6 dB Emission Bandwidth | The minimum 6 dB emission bandwidth shall be 500 kHz. | 5725 ~ 5850 | | | |
| 99 % Occupied Bandwidth | For reporting purposes only. | 5150 ~ 5825 (For ISED) | | | |

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth; section II.D. for 99 % Occupied Bandwidth.

Connect the EUT to the spectrum analyser and use the following settings:

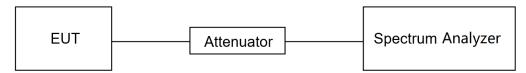
| Center Frequency | The center frequency of the channel under test |
|------------------|---|
| Detector | Peak |
| RBW | For 6 dB Emission Bandwidth: RBW=100 kHz For 26 dB Emission bandwidth: approximately 1 % of the EBW. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW. |
| VBW | For 6 dB Bandwidth: ≥ 3*RBW For 26 dB Bandwidth: >3*RBW For 99 % Bandwidth: >3*RBW |
| Trace | Max hold |
| Sweep | Auto couple |

a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.

b) Allow the trace to stabilize and measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6/26 dB relative to the maximum level measured in the fundamental emission.



TEST SETUP



TEST ENVIRONMENT

| Temperature | 24.4 ℃ | Relative Humidity | 60.8% |
|---------------------|---------------|-------------------|--------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V 60Hz |

TEST DATE / ENGINEER

| Test Date | May 15, 2024 | Test By | Burt Hu |
|-----------|--------------|---------|---------|
| | , , | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix A&B



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7.3. CONDUCTED OUTPUT POWER

LIMITS

| | CFR 47 FCC Part15, Subpart E | | | | |
|-----------------|---|----------------------------|--|--|--|
| Test Item | Limit | Frequency Range (MHz) | | | |
| Conducted | ☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☐ Client Devices: 250 mW (24 dBm) | 5150 ~ 5250 | | | |
| Output Power | Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. | 5250 ~ 5350 5470 ~ 5725 | | | |
| | Shall not exceed 1 Watt (30 dBm). | 5725 ~ 5850 | | | |

| | ISED RSS-247 ISSUE 3 | | | | |
|--|---|---|--|--|--|
| Test Item | Limit | Frequency Range (MHz) | | | |
| | The maximum e.i.r.p. shall not exceed 200 mW (23 dBm) or 10 + 10 log ₁₀ B, dBm, whichever power is less. B is the 99 % emission bandwidth in megahertz. | 5150 ~ 5250 | | | |
| Conducted Output Power or e.i.r.p. | a. The maximum conducted output power shall not exceed 250 mW (24 dBm) or 11 + 10 log ₁₀ B dBm, whichever is less. b. The maximum e.i.r.p. shall not exceed 1.0 W (30 dBm) or 17 + 10 log ₁₀ B dBm, whichever is less. B is the 99 % emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below | 5250 ~ 5350 5470 ~ 5600 5650 ~ 5725 | | | |
| | the maximum permitted e.i.r.p. of 1 W. Shall not exceed 1 Watt (30 dBm). The e.i.r.p. shall not exceed 4 W | 5725 ~ 5850 | | | |

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

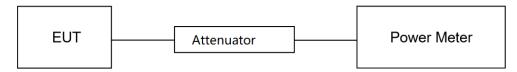
Method PM (Measurement using an RF average power meter):

(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:

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- a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
- c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
- (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- (iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25 %).

TEST SETUP



TEST ENVIRONMENT

| Temperature | 24.4℃ | Relative Humidity | 60.8% |
|---------------------|--------|-------------------|--------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V 60Hz |

TEST DATE / ENGINEER

| Toot Doto | May 15, 2024 | Toot Dv | Burt Hu |
|-----------|---------------|---------|----------|
| Test Date | lMav 15. 2024 | Hest By | IDUIL TU |

TEST RESULTS

Please refer to section "Test Data" - Appendix D

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7.4. POWER SPECTRAL DENSITY

LIMITS

| CFR 47 FCC Part15, Subpart E | | | |
|------------------------------|--|----------------------------|--|
| Test Item | Limit | Frequency Range (MHz) | |
| Power Spectral Density | ☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☐ Client Devices: 11 dBm/MHz | 5150 ~ 5250 | |
| Bonony | 11 dBm/MHz | 5250 ~ 5350 5470 ~ 5725 | |
| | 30 dBm/500kHz | 5725 ~ 5850 | |

| ISED RSS-247 ISSUE 3 | | | |
|---------------------------|--|---|--|
| Test Item | Limit | Frequency Range (MHz) | |
| | The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. | 5150 ~ 5250 | |
| Power Spectral Density | The power spectral density shall not exceed 11 dBm inany 1.0 MHz band. | 5250 ~ 5350 5470 ~ 5600 5650 ~ 5725 | |
| | 30 dBm / 500 kHz | 5725 ~ 5850 | |

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

Connect the EUT to the spectrum analyzer and use the following settings:

For U-NII-1, U-NII-2A and U-NII-2C band:

| Center Frequency | The center frequency of the channel under test |
|------------------|--|
| Detector | RMS |
| RBW | 1 MHz |
| VBW | ≥3 × RBW |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Average |
| Sweep time | Auto |



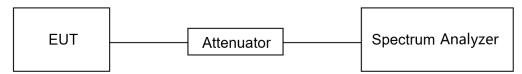
For U-NII-3:

| Center Frequency | The center frequency of the channel under test |
|------------------|--|
| Detector | RMS |
| RBW | 500 kHz |
| VBW | ≥3 × RBW |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Average |
| Sweep time | Auto |

Allow trace to fully stabilize and use the peak search function on the instrument to find the peak of the spectrum and record its value.

Add $\dot{10}$ log (1/x), where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST SETUP



TEST ENVIRONMENT

| Temperature | 24.4℃ | Relative Humidity | 60.8% |
|---------------------|--------------|-------------------|--------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V 60Hz |

TEST DATE / ENGINEER

| Test Date | May 15, 2024 | Test By | Burt Hu |
|-----------|--------------|---------|---------|

TEST RESULTS

Please refer to section "Test Data" - Appendix E

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7.5. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

- 1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between 0 $^{\circ}$ C \sim 35 $^{\circ}$ C (declared by customer).
- 2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.
- 3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Connect the EUT to the spectrum analyzer and use the following settings:

| Center Frequency | The center frequency of the channel under test |
|------------------|--|
| Detector | Peak |
| RBW | 10 kHz |
| VBW | ≥3 × RBW |
| Span | Encompass the entire emissions bandwidth (EBW) of the signal |
| Trace | Max hold |
| Sweep time | Auto |

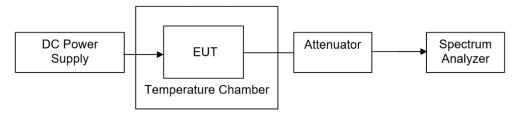
- 4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5minutes, and 10 minutes after the EUT is energized.
- 5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST ENVIRONMENT

| | Normal Test Conditions | Extreme Test Conditions | |
|----------------------|-------------------------------------|--|--|
| Relative Humidity | 20 % ~ 75 % | / | |
| Atmospheric Pressure | 100 kPa ~ 102 kPa | / | |
| Temperature | T_N (Normal Temperature): 25.1 °C | T _∟ (Low Temperature): 0 °C | |
| | | T _H (High Temperature): 35 °C | |
| Supply Voltage | V _N (Normal Voltage): | V _L (Low Voltage): AC 102 V | |
| Supply Voltage | AC 120 V, 60 Hz | V _H (High Voltage): AC 138 V | |



TEST SETUP



TEST ENVIRONMENT

| Temperature | 24.4 ℃ | Relative Humidity | 60.8% |
|---------------------|---------------|-------------------|--------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120V 60Hz |

TEST DATE / ENGINEER

| Test Date | May 15, 2024 | Test By | Burt Hu |
|-----------|--------------|---------|---------|
| | 1 | | |

TEST RESULTS

Please refer to section "Test Data" - Appendix I

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8. RADIATED TEST RESULTS

LIMITS

Refer to CFR 47 FCC §15.205, §15.209 and §15.407 (b).

Refer to ISED RSS-GEN Clause 8.9, Clause 8.10 and ISED RSS-247 6.2.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

| Emissions radiated outside of the specified frequency bands above 30 MHz | | | | |
|--|----------------------|-----------------|------------|--|
| Frequency Range | Field Strength Limit | Field Stren | gth Limit | |
| (MHz) | (uV/m) at 3 m | (dBuV/m) at 3 m | | |
| | | | Quasi-Peak | |
| 30 - 88 | 100 | 40 | | |
| 88 - 216 | 150 | 43.5 | | |
| 216 - 960 | 200 | 46 | | |
| Above 960 | 500 | 54 | | |
| Above 1000 | 500 | Peak | Average | |
| Above 1000 | 500 | 74 | 54 | |

| FCC Emissions radiated outside of the specified frequency bands below 30 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 | |

ISED General field strength limits at frequencies below 30 MHz

| Table 6 – General field strength limits at frequencies below 30 MHz | | | |
|---|--|--------------------------|--|
| Frequency | Magnetic field strength (H-Field) (μA/m) | Measurement distance (m) | |
| 9 - 490 kHz ^{Note 1} | 6.37/F (F in kHz) | 300 | |
| 490 - 1705 kHz | 63.7/F (F in kHz) | 30 | |
| 1.705 - 30 MHz | 0.08 | 30 | |

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.



ISED Restricted bands refer to ISED RSS-GEN Clause 8.10

| MHz | MHz | GHz |
|---------------------|-----------------------|---------------|
| 0.090 - 0.110 | 149.9 - 150.05 | 9.0 - 9.2 |
| 0.495 - 0.505 | 158.52475 - 158.52525 | 9.3 - 9.5 |
| 2.1735 - 2.1905 | 158.7 - 156.9 | 10.6 - 12.7 |
| 3.020 - 3.028 | 162.0125 - 167.17 | 13.25 - 13.4 |
| 4.125 - 4.128 | 167.72 - 173.2 | 14.47 - 14.5 |
| 4.17725 - 4.17775 | 240 – 285 | 15.35 - 16.2 |
| 4.20725 - 4.20775 | 322 - 335.4 | 17.7 - 21.4 |
| 5.677 - 5.683 | 399.9 - 410 | 22.01 - 23.12 |
| 6.215 - 6.218 | 608 - 614 | 23.6 - 24.0 |
| 6.28775 - 6.28825 | 980 - 1427 | 31.2 - 31.8 |
| 6.31175 - 6.31225 | 1435 - 1626.5 | 36.43 - 36.5 |
| 8.291 - 8.294 | 1645.5 - 1646.5 | Above 38.6 |
| 8.362 - 8.366 | 1680 - 1710 | |
| 8.37625 - 8.38675 | 1718.8 - 1722.2 | |
| 8.41425 - 8.41475 | 2200 - 2300 | |
| 12.29 - 12.293 | 2310 - 2390 | |
| 12.51975 - 12.52025 | 2483.5 - 2500 | |
| 12.57675 - 12.57725 | 2655 - 2900 | |
| 13.36 - 13.41 | 3260 - 3267 | |
| 16.42 - 16.423 | 3332 - 3339 | |
| 16.69475 - 16.69525 | 3345.8 - 3358 | |
| 16.80425 - 16.80475 | 3500 - 4400 | |
| 25.5 - 25.67 | 4500 - 5150 | |
| 37.5 - 38.25 | 5350 - 5460 | |
| 73 - 74.6 | 7250 - 7750 | |
| 74.8 - 75.2 | 8025 - 8500 | |
| 108 – 138 | | |

FCC Restricted bands of operation refer to FCC §15.205 (a):

| MHz | MHz | MHz | GHz |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 |
| ¹ 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 |
| 12.57675-12.57725 | 322-335.4 | 3600-4400 | (²) |
| 13.36-13.41 | | | |

Note: 1 Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c



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Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b) and ISED RSS-247 6.2.

| LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz) | | | |
|--|-----------------------|-----------------------|--|
| Frequency Range | EIDD Limit | Field Strength Limit | |
| (MHz) | EIRP Limit | (dBuV/m) at 3 m | |
| 5150~5250 MHz | | | |
| 5250~5350 MHz | PK: -27 (dBm/MHz) | PK:68.2(dBµV/m) | |
| 5470~5725 MHz | | | |
| | PK: -27 (dBm/MHz) *1 | PK: 68.2(dBµV/m) *1 | |
| 5725~5850 MHz | PK: 10 (dBm/MHz) *2 | PK: 105.2 (dBµV/m) *2 | |
| | PK: 15.6 (dBm/MHz) *3 | PK: 110.8(dBµV/m) *3 | |
| | PK: 27 (dBm/MHz) *4 | PK: 122.2 (dBµV/m) *4 | |

Note:

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

| RBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
|-------|--|
| VBW | 200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz) |
| Sweep | Auto |

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
- 2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode remeasured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



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7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

| RBW | 120 kHz |
|----------|----------|
| VBW | 300 kHz |
| Sweep | Auto |
| Detector | Peak/QP |
| Trace | Max hold |

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.



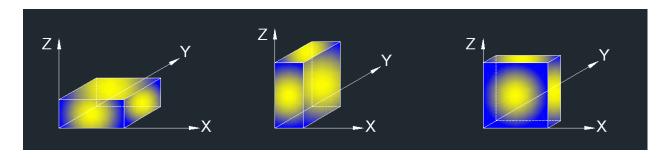
Above 1 GHz

The setting of the spectrum analyzer

| RBW | 1 MHz |
|----------|--------------------------------|
| 1\/B\/\/ | PEAK: 3 MHz AVG: see note 6 |
| Sweep | Auto |
| Detector | Peak |
| Trace | Max hold |

- 1. The testing follows the guidelines in KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.G.3 ~ II.G.6.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 1.5 m above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
- 6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.



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For Restricted Bandedge:

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. PK=Peak: Peak detector.
- 4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
- 7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
- 8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
- 4. All modes have been tested, but only the worst data was recorded in the report.
- 5. $dBuA/m = dBuV/m 20Log10[120\pi] = dBuV/m 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

- 1. Result Level = Read Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 7 GHz):

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27 dBm/MHz (68.2 dBuV/m) limit.
- 9. All modes have been tested, but only the worst data was recorded in the report.

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For Radiate Spurious Emission (7 GHz ~ 18 GHz):

- 1. Peak Result = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27 dBm/MHz (68.2 dBuV/m) limit.
- 9. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

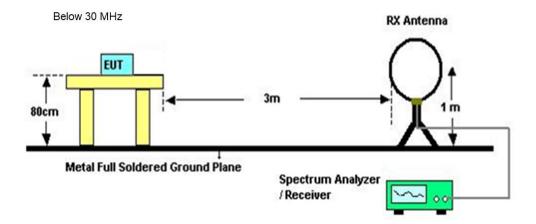
- Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (26 GHz ~ 40 GHz):

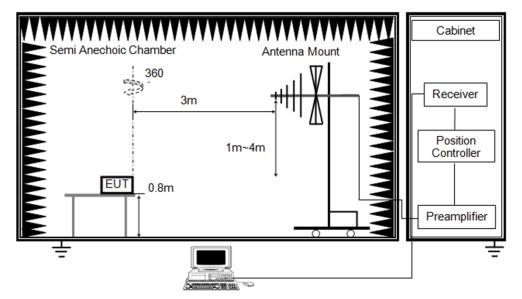
Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. All modes have been tested, but only the worst data was recorded in the report.

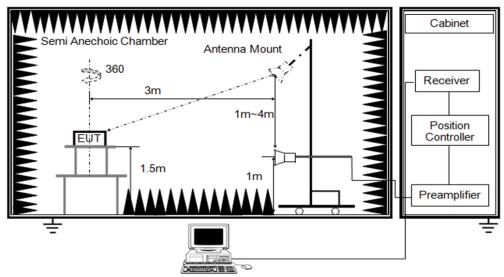
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1 GHz



TEST ENVIRONMENT

| Temperature | 23.1℃ | Relative Humidity | 61.4% |
|---------------------|--------|-------------------|-------|
| Atmosphere Pressure | 101kPa | Test Voltage | |

TEST DATE / ENGINEER

| Test Date | May 27, 2024 | Test By | Mason Wang |
|-----------|--------------|---------|------------|
| | | | |

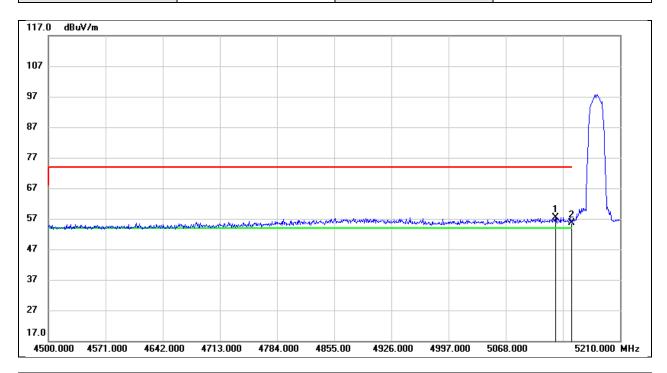
TEST RESULTS



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8.1. RESTRICTED BANDEDGE

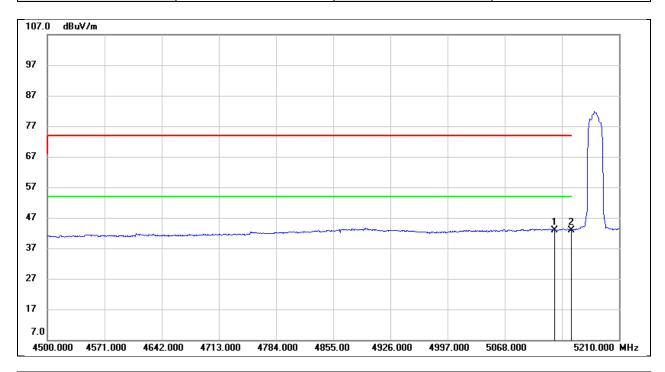
| Test Mode: | 802.11a PK | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5129.770 | 17.33 | 40.14 | 57.47 | 74.00 | -16.53 | peak |
| 2 | 5150.000 | 15.45 | 40.21 | 55.66 | 74.00 | -18.34 | peak |



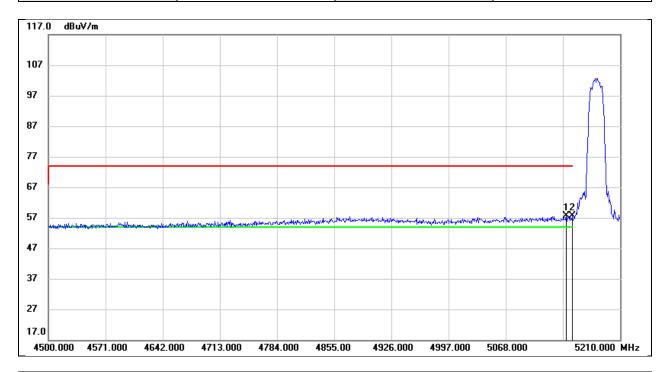
| Test Mode: | 802.11a AV | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5129.770 | 2.82 | 40.14 | 42.96 | 54.00 | -11.04 | AVG |
| 2 | 5150.000 | 2.78 | 40.21 | 42.99 | 54.00 | -11.01 | AVG |



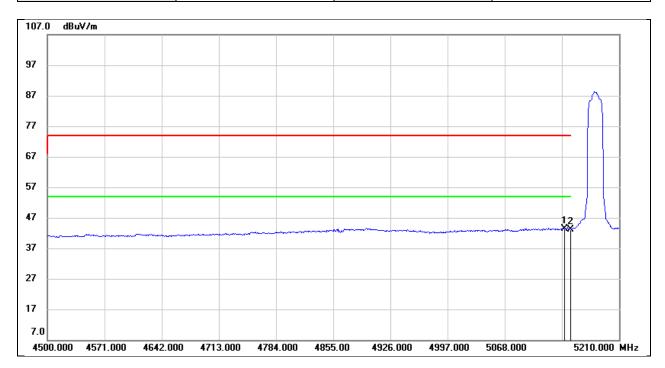
| Test Mode: | 802.11a PK | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5143.260 | 17.55 | 40.19 | 57.74 | 74.00 | -16.26 | peak |
| 2 | 5150.000 | 17.40 | 40.21 | 57.61 | 74.00 | -16.39 | peak |



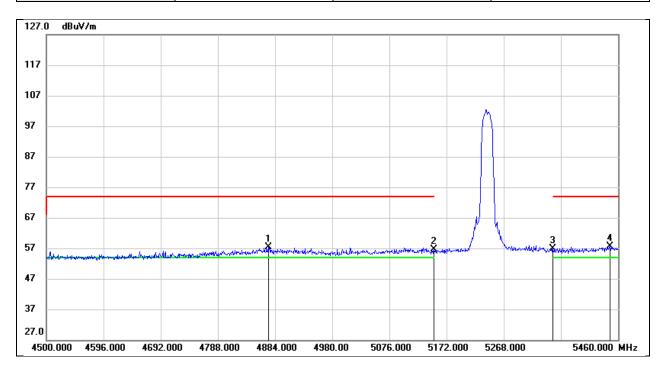
| Test Mode: | 802.11a AV | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5143.260 | 3.28 | 40.19 | 43.47 | 54.00 | -10.53 | AVG |
| 2 | 5150.000 | 2.99 | 40.21 | 43.20 | 54.00 | -10.80 | AVG |



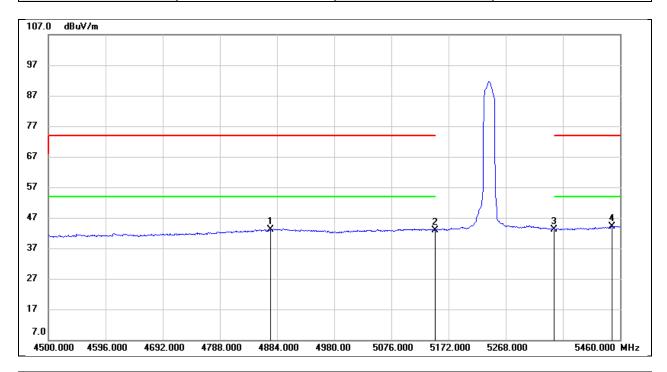
| Test Mode: | 802.11a PK | Frequency(MHz): | 5240 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 4872.480 | 17.93 | 39.38 | 57.31 | 74.00 | -16.69 | peak |
| 2 | 5150.000 | 16.35 | 40.21 | 56.56 | 74.00 | -17.44 | peak |
| 3 | 5350.000 | 16.32 | 40.46 | 56.78 | 74.00 | -17.22 | peak |
| 4 | 5446.560 | 17.01 | 40.72 | 57.73 | 74.00 | -16.27 | peak |



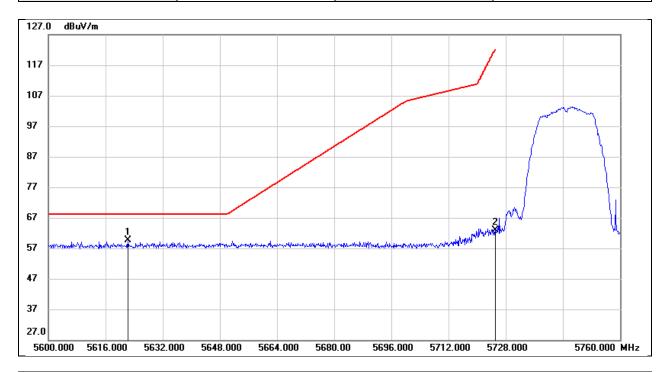
| Test Mode: | 802.11a AV | Frequency(MHz): | 5240 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 4872.480 | 3.63 | 39.38 | 43.01 | 54.00 | -10.99 | AVG |
| 2 | 5150.000 | 2.57 | 40.21 | 42.78 | 54.00 | -11.22 | AVG |
| 3 | 5350.000 | 2.79 | 40.46 | 43.25 | 54.00 | -10.75 | AVG |
| 4 | 5446.560 | 3.39 | 40.72 | 44.11 | 54.00 | -9.89 | AVG |



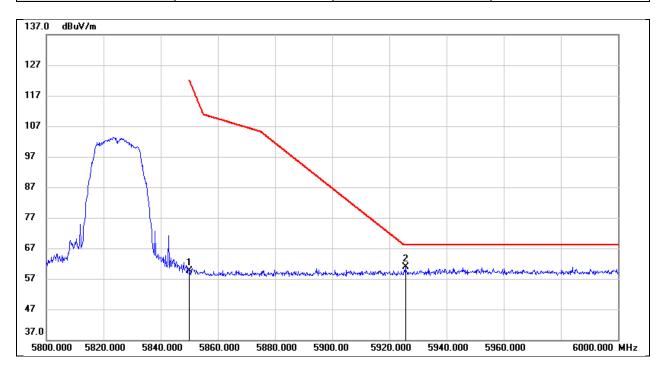
| Test Mode: | 802.11a PK | Frequency(MHz): | 5745 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5622.240 | 18.15 | 41.36 | 59.51 | 68.20 | -8.69 | peak |
| 2 | 5725.000 | 21.59 | 41.24 | 62.83 | 122.20 | -59.37 | peak |



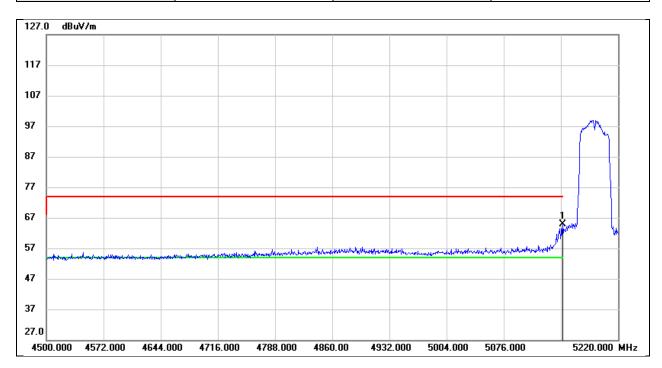
| Test Mode: | 802.11a PK | Frequency(MHz): | 5825 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5850.000 | 18.16 | 41.37 | 59.53 | 122.20 | -62.67 | peak |
| 2 | 5925.600 | 19.27 | 41.72 | 60.99 | 68.20 | -7.21 | peak |



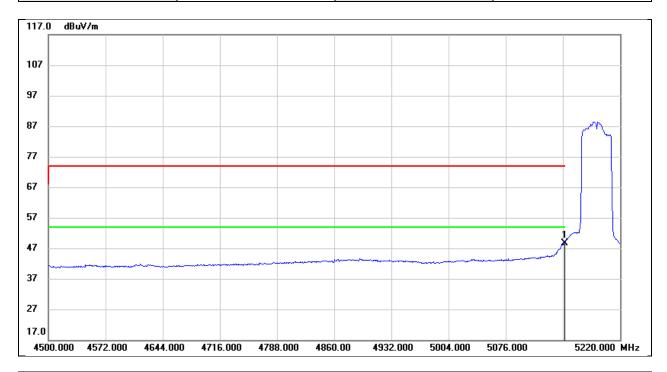
| Test Mode: | 802.11n HT40 PK | Frequency(MHz): | 5190 |
|------------|-----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 24.60 | 40.21 | 64.81 | 74.00 | -9.19 | peak |



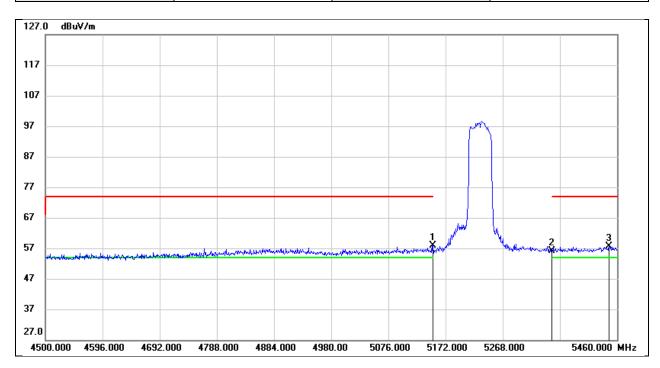
| Test Mode: | 802.11n HT40 AV | Frequency(MHz): | 5190 |
|------------|-----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| | No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|---|-----|-----------|---------|---------|----------|----------|--------|--------|
| | | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| Γ | 1 | 5150.000 | 8.40 | 40.21 | 48.61 | 54.00 | -5.39 | AVG |



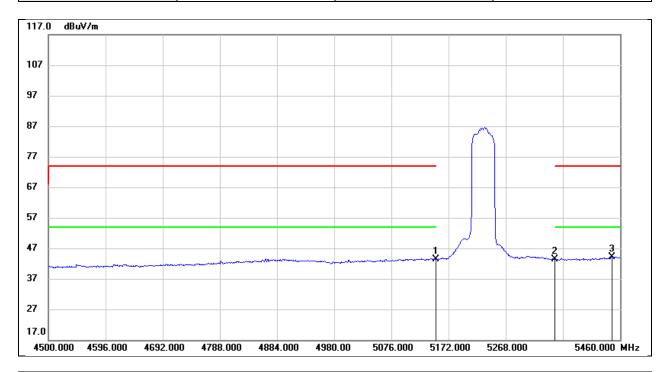
| Test Mode: | 802.11n HT40 PK | Frequency(MHz): | 5230 |
|------------|-----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 17.56 | 40.21 | 57.77 | 74.00 | -16.23 | peak |
| 2 | 5350.000 | 15.65 | 40.46 | 56.11 | 74.00 | -17.89 | peak |
| 3 | 5446.560 | 16.98 | 40.72 | 57.70 | 74.00 | -16.30 | peak |



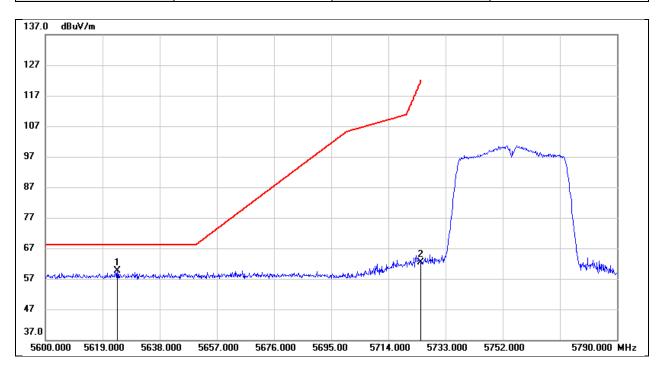
| Test Mode: | 802.11n HT40 AV | Frequency(MHz): | 5230 |
|------------|-----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 3.25 | 40.21 | 43.46 | 54.00 | -10.54 | AVG |
| 2 | 5350.000 | 2.92 | 40.46 | 43.38 | 54.00 | -10.62 | AVG |
| 3 | 5446.560 | 3.45 | 40.72 | 44.17 | 54.00 | -9.83 | AVG |



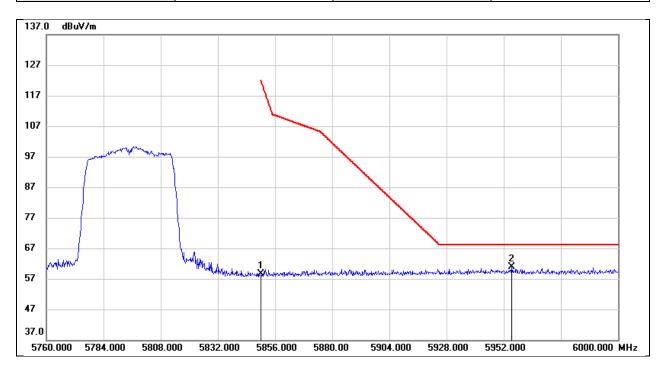
| Test Mode: | 802.11n HT40 PK | Frequency(MHz): | 5755 |
|------------|-----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5623.940 | 18.18 | 41.36 | 59.54 | 68.20 | -8.66 | peak |
| 2 | 5725.000 | 21.11 | 41.24 | 62.35 | 122.20 | -59.85 | peak |



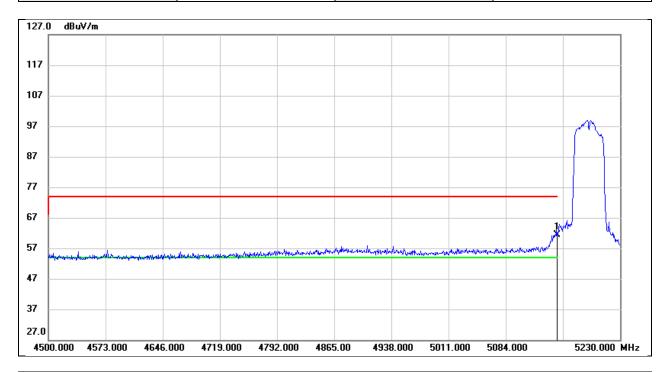
| Test Mode: | 802.11n HT40 PK | Frequency(MHz): | 5795 |
|------------|-----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5850.000 | 17.23 | 41.37 | 58.60 | 122.20 | -63.60 | peak |
| 2 | 5955.360 | 19.01 | 41.85 | 60.86 | 68.20 | -7.34 | peak |



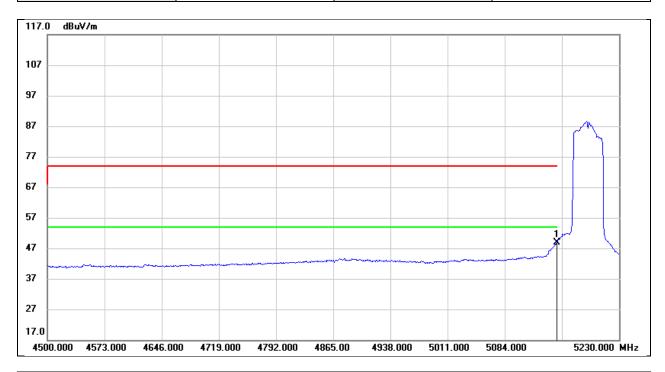
| Test Mode: | 802.11ac VHT40 PK | Frequency(MHz): | 5190 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 21.17 | 40.21 | 61.38 | 74.00 | -12.62 | peak |



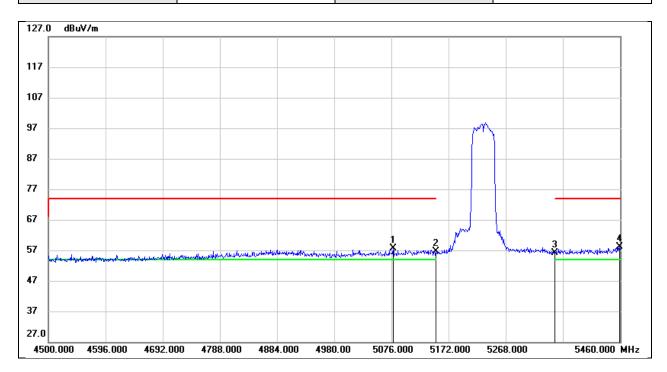
| Test Mode: | 802.11ac VHT40 AV | Frequency(MHz): | 5190 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 8.68 | 40.21 | 48.89 | 54.00 | -5.11 | AVG |



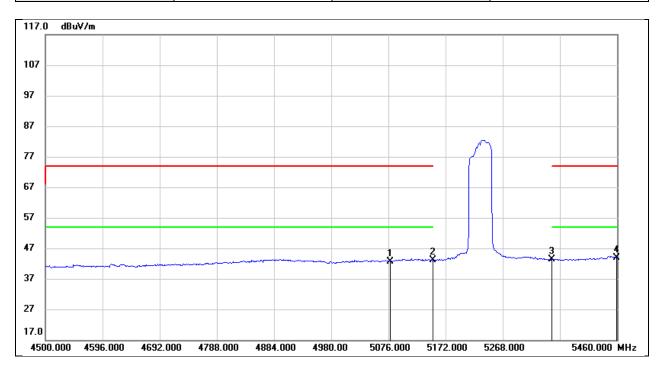
| Test Mode: | 802.11ac VHT40 PK | Frequency(MHz): | 5230 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5078.880 | 17.69 | 39.97 | 57.66 | 74.00 | -16.34 | peak |
| 2 | 5150.000 | 16.49 | 40.21 | 56.70 | 74.00 | -17.30 | peak |
| 3 | 5350.000 | 15.68 | 40.46 | 56.14 | 74.00 | -17.86 | peak |
| 4 | 5459.040 | 17.23 | 40.79 | 58.02 | 74.00 | -15.98 | peak |



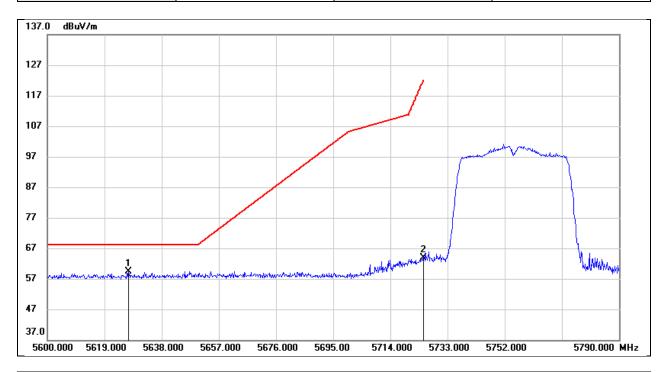
| Test Mode: | 802.11ac VHT40 AV | Frequency(MHz): | 5230 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5078.880 | 2.77 | 39.97 | 42.74 | 54.00 | -11.26 | AVG |
| 2 | 5150.000 | 2.80 | 40.21 | 43.01 | 54.00 | -10.99 | AVG |
| 3 | 5350.000 | 2.84 | 40.46 | 43.30 | 54.00 | -10.70 | AVG |
| 4 | 5459.040 | 3.05 | 40.79 | 43.84 | 54.00 | -10.16 | AVG |



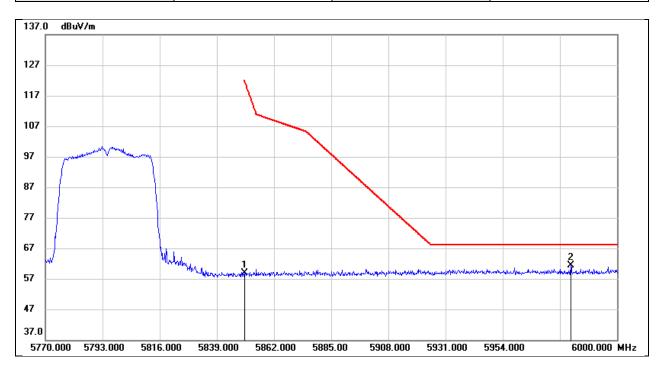
| Test Mode: | 802.11ac VHT40 PK | Frequency(MHz): | 5755 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5626.980 | 18.07 | 41.36 | 59.43 | 68.20 | -8.77 | peak |
| 2 | 5725.000 | 22.57 | 41.24 | 63.81 | 122.20 | -58.39 | peak |



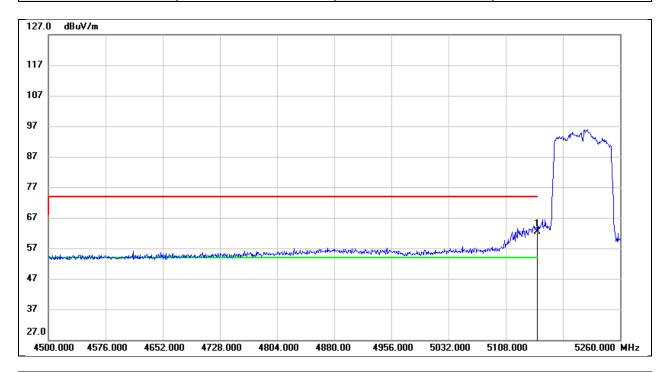
| Test Mode: | 802.11ac VHT40 PK | Frequency(MHz): | 5795 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5850.000 | 17.43 | 41.37 | 58.80 | 122.20 | -63.40 | peak |
| 2 | 5981.370 | 19.44 | 41.96 | 61.40 | 68.20 | -6.80 | peak |



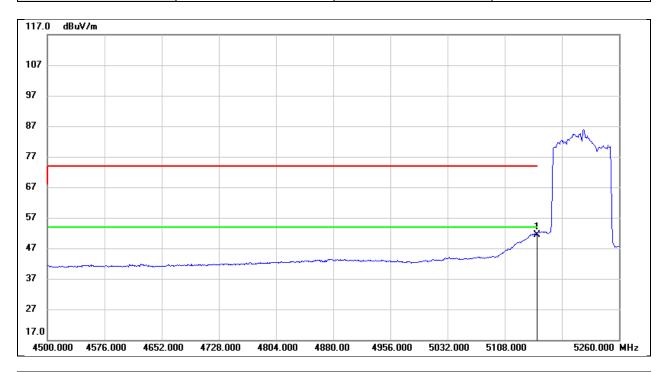
| Test Mode: | 802.11ac VHT80 PK | Frequency(MHz): | 5210 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 22.20 | 40.21 | 62.41 | 74.00 | -11.59 | peak |



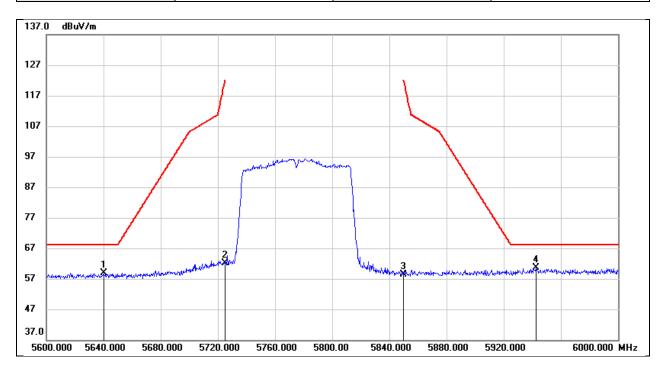
| Test Mode: | 802.11ac VHT80 AV | Frequency(MHz): | 5210 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5150.000 | 11.28 | 40.21 | 51.49 | 54.00 | -2.51 | AVG |



| Test Mode: | 802.11ac VHT80 PK | Frequency(MHz): | 5775 |
|------------|-------------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



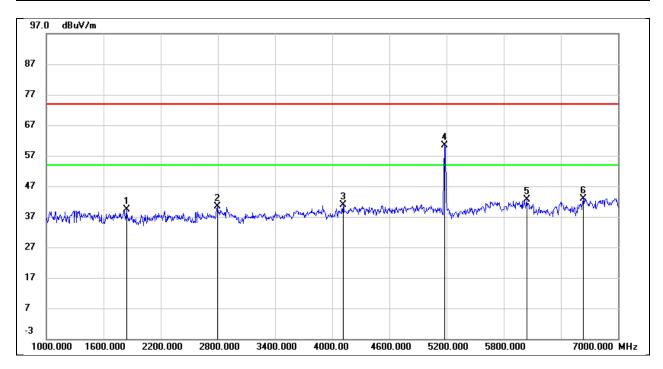
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 5640.000 | 17.53 | 41.34 | 58.87 | 68.20 | -9.33 | peak |
| 2 | 5725.000 | 20.78 | 41.24 | 62.02 | 122.20 | -60.18 | peak |
| 3 | 5850.000 | 17.05 | 41.37 | 58.42 | 122.20 | -63.78 | peak |
| 4 | 5942.800 | 18.92 | 41.79 | 60.71 | 68.20 | -7.49 | peak |

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8.2. SPURIOUS EMISSIONS(1 GHZ~7 GHZ)

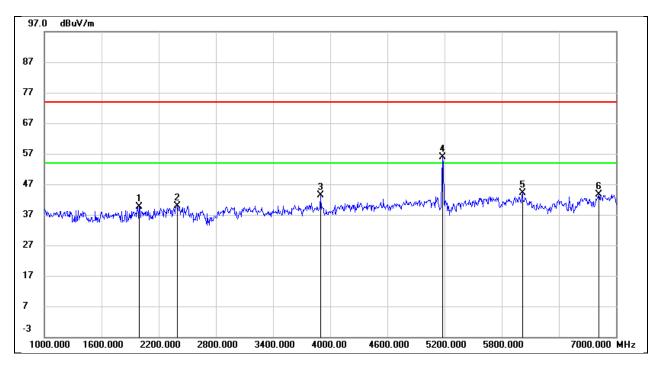
| Test Mode: | 802.11a | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1840.000 | 49.67 | -10.21 | 39.46 | 74.00 | -34.54 | peak |
| 2 | 2794.000 | 47.13 | -6.82 | 40.31 | 74.00 | -33.69 | peak |
| 3 | 4114.000 | 42.94 | -2.15 | 40.79 | 74.00 | -33.21 | peak |
| 4 | 5180.000 | 59.02 | 1.31 | 60.33 | / | / | fundamental |
| 5 | 6040.000 | 39.36 | 3.17 | 42.53 | 74.00 | -31.47 | peak |
| 6 | 6634.000 | 38.30 | 4.69 | 42.99 | 74.00 | -31.01 | peak |



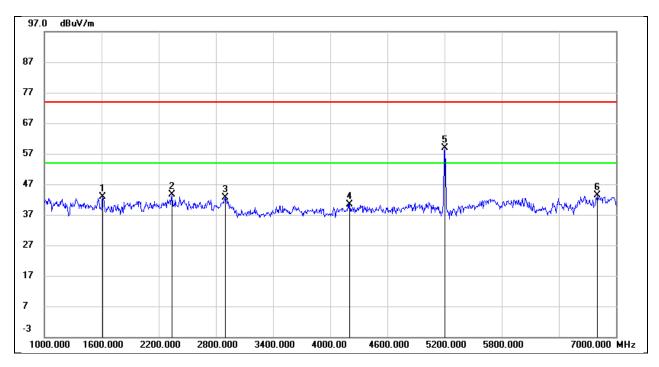
| Test Mode: | 802.11a | Frequency(MHz): | 5180 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1996.000 | 49.82 | -10.11 | 39.71 | 74.00 | -34.29 | peak |
| 2 | 2398.000 | 47.24 | -7.42 | 39.82 | 74.00 | -34.18 | peak |
| 3 | 3898.000 | 46.20 | -2.93 | 43.27 | 74.00 | -30.73 | peak |
| 4 | 5180.000 | 54.55 | 1.31 | 55.86 | / | / | fundamental |
| 5 | 6016.000 | 40.95 | 3.24 | 44.19 | 74.00 | -29.81 | peak |
| 6 | 6820.000 | 38.37 | 5.33 | 43.70 | 74.00 | -30.30 | peak |



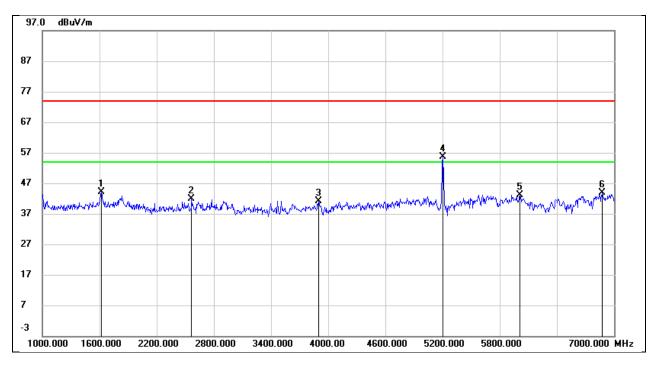
| Test Mode: | 802.11a | Frequency(MHz): | 5200 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1612.000 | 53.87 | -11.11 | 42.76 | 74.00 | -31.24 | peak |
| 2 | 2338.000 | 51.43 | -7.85 | 43.58 | 74.00 | -30.42 | peak |
| 3 | 2896.000 | 48.91 | -6.36 | 42.55 | 74.00 | -31.45 | peak |
| 4 | 4204.000 | 41.92 | -1.45 | 40.47 | 74.00 | -33.53 | peak |
| 5 | 5200.000 | 57.59 | 1.36 | 58.95 | / | / | fundamental |
| 6 | 6802.000 | 38.29 | 5.15 | 43.44 | 74.00 | -30.56 | peak |



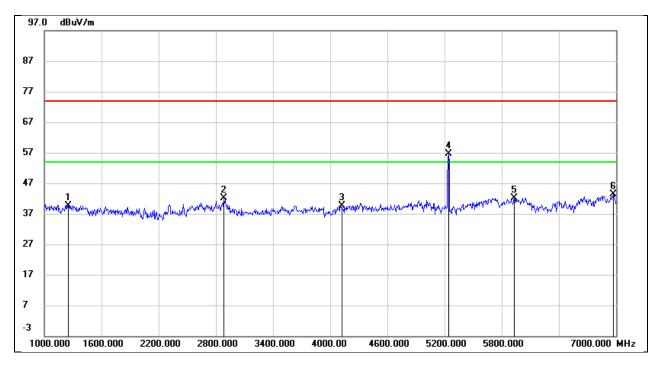
| Test Mode: | 802.11a | Frequency(MHz): | 5200 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1618.000 | 55.29 | -11.09 | 44.20 | 74.00 | -29.80 | peak |
| 2 | 2566.000 | 49.39 | -7.61 | 41.78 | 74.00 | -32.22 | peak |
| 3 | 3898.000 | 44.08 | -2.93 | 41.15 | 74.00 | -32.85 | peak |
| 4 | 5200.000 | 54.17 | 1.36 | 55.53 | / | / | fundamental |
| 5 | 6010.000 | 39.92 | 3.26 | 43.18 | 74.00 | -30.82 | peak |
| 6 | 6874.000 | 37.99 | 5.83 | 43.82 | 74.00 | -30.18 | peak |



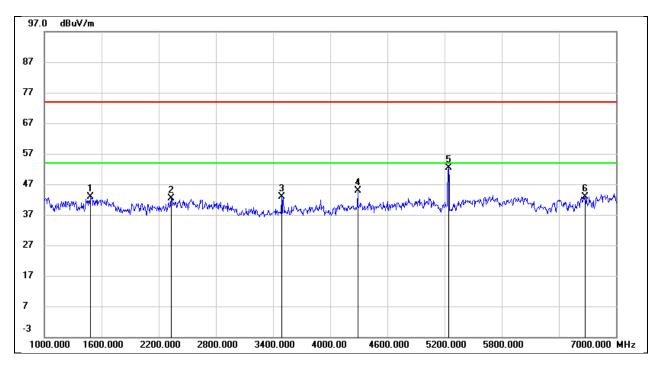
| Test Mode: | 802.11a | Frequency(MHz): | 5240 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1252.000 | 52.31 | -12.58 | 39.73 | 74.00 | -34.27 | peak |
| 2 | 2884.000 | 48.59 | -6.42 | 42.17 | 74.00 | -31.83 | peak |
| 3 | 4120.000 | 41.66 | -2.10 | 39.56 | 74.00 | -34.44 | peak |
| 4 | 5240.000 | 55.26 | 1.44 | 56.70 | / | / | fundamental |
| 5 | 5932.000 | 39.16 | 2.96 | 42.12 | 74.00 | -31.88 | peak |
| 6 | 6970.000 | 36.62 | 6.74 | 43.36 | 74.00 | -30.64 | peak |



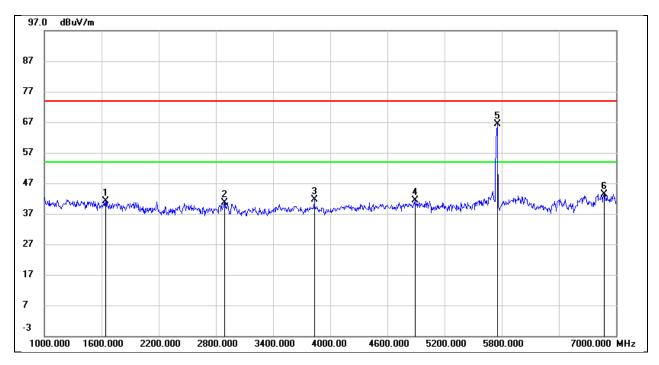
| Test Mode: | 802.11a | Frequency(MHz): | 5240 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1480.000 | 54.74 | -11.88 | 42.86 | 74.00 | -31.14 | peak |
| 2 | 2332.000 | 50.35 | -7.91 | 42.44 | 74.00 | -31.56 | peak |
| 3 | 3490.000 | 47.50 | -4.63 | 42.87 | 74.00 | -31.13 | peak |
| 4 | 4288.000 | 46.36 | -1.46 | 44.90 | 74.00 | -29.10 | peak |
| 5 | 5240.000 | 50.87 | 1.44 | 52.31 | / | / | fundamental |
| 6 | 6676,000 | 38.19 | 4.81 | 43.00 | 74.00 | -31.00 | peak |



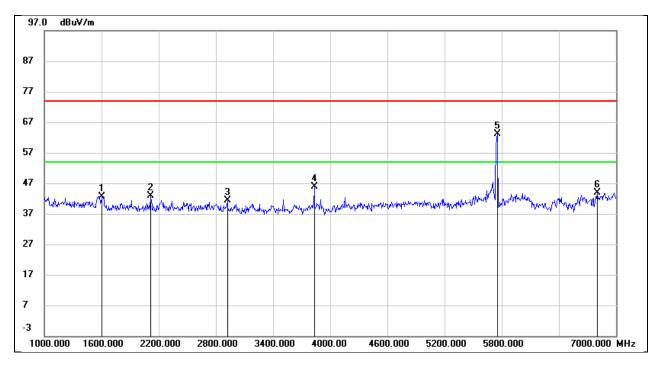
| Test Mode: | 802.11a | Frequency(MHz): | 5745 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1642.000 | 52.20 | -10.98 | 41.22 | 74.00 | -32.78 | peak |
| 2 | 2890.000 | 47.13 | -6.40 | 40.73 | 74.00 | -33.27 | peak |
| 3 | 3832.000 | 44.36 | -2.83 | 41.53 | 74.00 | -32.47 | peak |
| 4 | 4888.000 | 41.10 | 0.37 | 41.47 | 74.00 | -32.53 | peak |
| 5 | 5745.000 | 63.74 | 2.54 | 66.28 | / | / | fundamental |
| 6 | 6874.000 | 37.63 | 5.83 | 43.46 | 74.00 | -30.54 | peak |



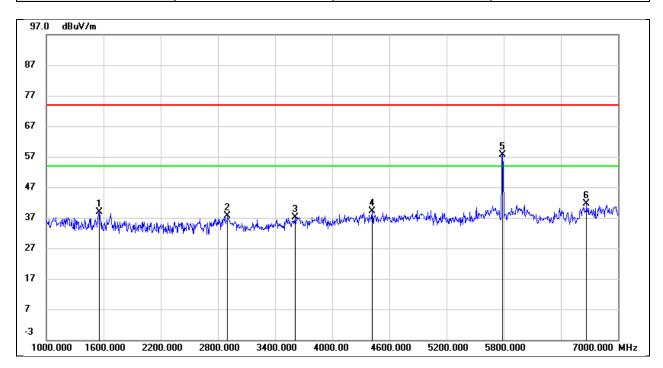
| Test Mode: | 802.11a | Frequency(MHz): | 5745 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1606.000 | 53.88 | -11.15 | 42.73 | 74.00 | -31.27 | peak |
| 2 | 2116.000 | 52.23 | -9.40 | 42.83 | 74.00 | -31.17 | peak |
| 3 | 2920.000 | 47.74 | -6.25 | 41.49 | 74.00 | -32.51 | peak |
| 4 | 3832.000 | 48.74 | -2.83 | 45.91 | 74.00 | -28.09 | peak |
| 5 | 5745.000 | 60.66 | 2.54 | 63.20 | / | / | fundamental |
| 6 | 6802.000 | 38.78 | 5.15 | 43.93 | 74.00 | -30.07 | peak |



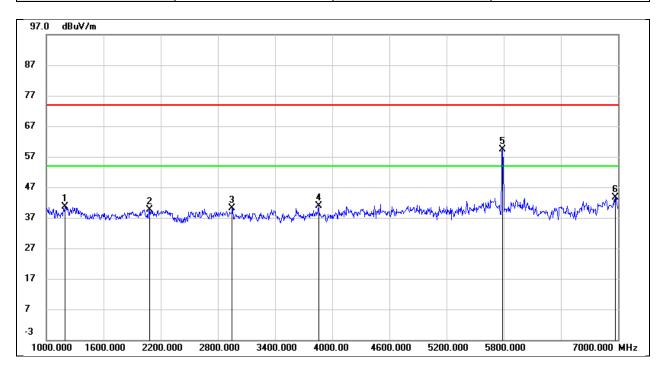
| Test Mode: | 802.11a | Frequency(MHz): | 5785 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1558.000 | 50.37 | -11.41 | 38.96 | 74.00 | -35.04 | peak |
| 2 | 2902.000 | 43.91 | -6.34 | 37.57 | 74.00 | -36.43 | peak |
| 3 | 3610.000 | 40.90 | -3.72 | 37.18 | 74.00 | -36.82 | peak |
| 4 | 4420.000 | 40.46 | -1.43 | 39.03 | 74.00 | -34.97 | peak |
| 5 | 5785.000 | 55.23 | 2.39 | 57.62 | / | / | fundamental |
| 6 | 6670.000 | 36.85 | 4.79 | 41.64 | 74.00 | -32.36 | peak |



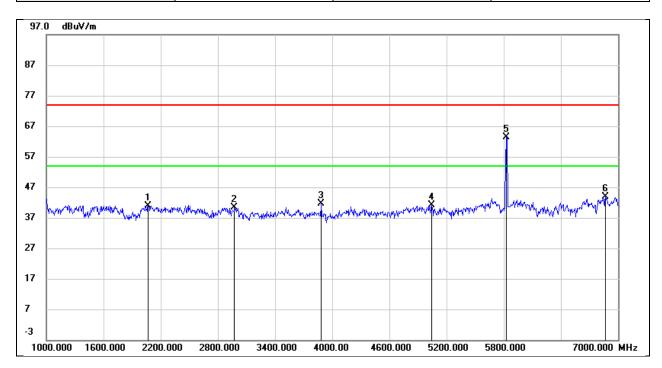
| Test Mode: | 802.11a | Frequency(MHz): | 5785 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1198.000 | 53.40 | -12.66 | 40.74 | 74.00 | -33.26 | peak |
| 2 | 2080.000 | 49.35 | -9.61 | 39.74 | 74.00 | -34.26 | peak |
| 3 | 2950.000 | 46.30 | -6.11 | 40.19 | 74.00 | -33.81 | peak |
| 4 | 3856.000 | 43.67 | -2.87 | 40.80 | 74.00 | -33.20 | peak |
| 5 | 5785.000 | 56.93 | 2.39 | 59.32 | / | / | fundamental |
| 6 | 6970.000 | 36.99 | 6.74 | 43.73 | 74.00 | -30.27 | peak |



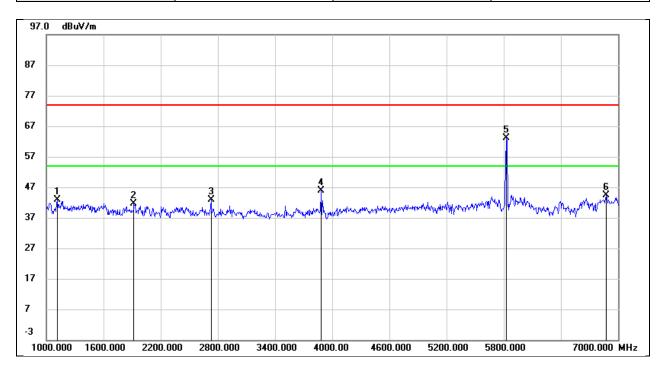
| Test Mode: | 802.11a | Frequency(MHz): | 5825 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 2068.000 | 50.62 | -9.69 | 40.93 | 74.00 | -33.07 | peak |
| 2 | 2974.000 | 46.38 | -6.01 | 40.37 | 74.00 | -33.63 | peak |
| 3 | 3886.000 | 44.47 | -2.91 | 41.56 | 74.00 | -32.44 | peak |
| 4 | 5044.000 | 40.22 | 0.91 | 41.13 | 74.00 | -32.87 | peak |
| 5 | 5825.000 | 60.97 | 2.48 | 63.45 | / | / | fundamental |
| 6 | 6868.000 | 38.20 | 5.78 | 43.98 | 74.00 | -30.02 | peak |



| Test Mode: | 802.11a | Frequency(MHz): | 5825 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



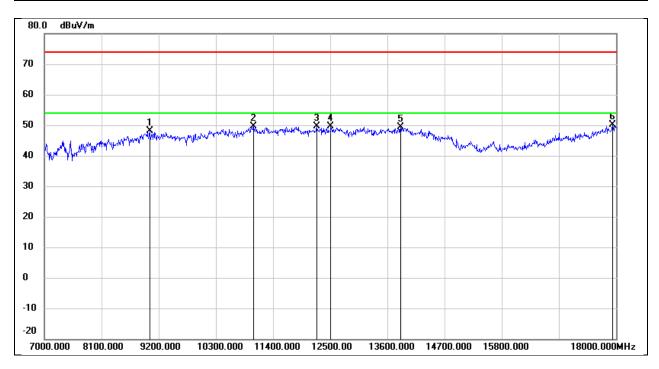
| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|-------------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 1114.000 | 56.33 | -13.40 | 42.93 | 74.00 | -31.07 | peak |
| 2 | 1918.000 | 51.77 | -10.17 | 41.60 | 74.00 | -32.40 | peak |
| 3 | 2728.000 | 49.92 | -7.12 | 42.80 | 74.00 | -31.20 | peak |
| 4 | 3886.000 | 48.86 | -2.91 | 45.95 | 74.00 | -28.05 | peak |
| 5 | 5825.000 | 60.60 | 2.48 | 63.08 | / | / | fundamental |
| 6 | 6874.000 | 38.67 | 5.83 | 44.50 | 74.00 | -29.50 | peak |

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8.3. SPURIOUS EMISSIONS(7 GHZ~18 GHZ)

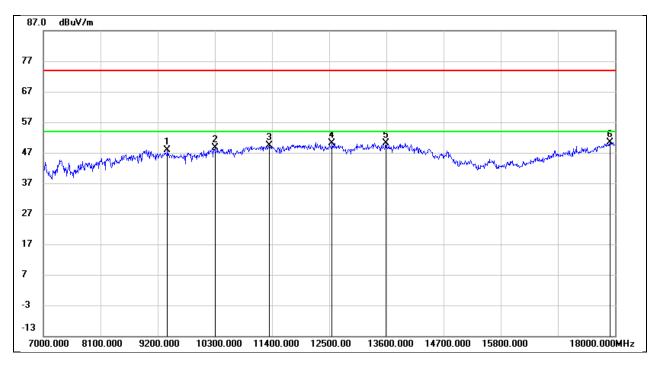
| Test Mode: | 802.11a | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9024.000 | 36.41 | 11.65 | 48.06 | 74.00 | -25.94 | peak |
| 2 | 11026.000 | 34.56 | 14.95 | 49.51 | 74.00 | -24.49 | peak |
| 3 | 12236.000 | 30.93 | 18.66 | 49.59 | 74.00 | -24.41 | peak |
| 4 | 12511.000 | 30.98 | 18.54 | 49.52 | 74.00 | -24.48 | peak |
| 5 | 13853.000 | 26.85 | 22.46 | 49.31 | 74.00 | -24.69 | peak |
| 6 | 17934.000 | 23.38 | 26.69 | 50.07 | 74.00 | -23.93 | peak |



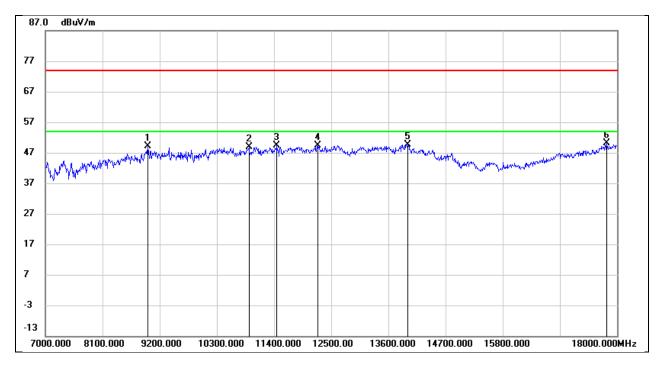
| Test Mode: | 802.11a | Frequency(MHz): | 5180 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9387.000 | 37.37 | 10.63 | 48.00 | 74.00 | -26.00 | peak |
| 2 | 10300.000 | 35.91 | 12.78 | 48.69 | 74.00 | -25.31 | peak |
| 3 | 11345.000 | 33.07 | 16.24 | 49.31 | 74.00 | -24.69 | peak |
| 4 | 12555.000 | 31.81 | 18.43 | 50.24 | 74.00 | -23.76 | peak |
| 5 | 13589.000 | 28.67 | 21.41 | 50.08 | 74.00 | -23.92 | peak |
| 6 | 17901.000 | 23.87 | 26.55 | 50.42 | 74.00 | -23.58 | peak |



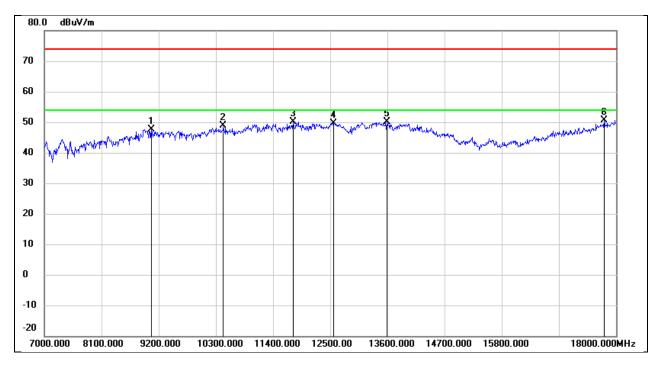
| Test Mode: | 802.11a | Frequency(MHz): | 5200 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8969.000 | 37.74 | 11.40 | 49.14 | 74.00 | -24.86 | peak |
| 2 | 10916.000 | 34.49 | 14.45 | 48.94 | 74.00 | -25.06 | peak |
| 3 | 11455.000 | 32.55 | 16.74 | 49.29 | 74.00 | -24.71 | peak |
| 4 | 12236.000 | 30.74 | 18.66 | 49.40 | 74.00 | -24.60 | peak |
| 5 | 13974.000 | 27.07 | 22.53 | 49.60 | 74.00 | -24.40 | peak |
| 6 | 17802.000 | 23.99 | 26.13 | 50.12 | 74.00 | -23.88 | peak |



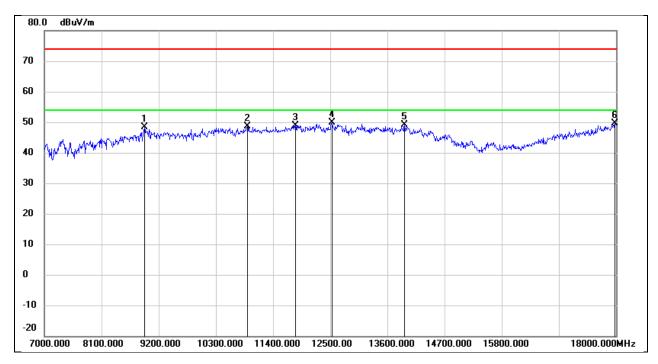
| Test Mode: | 802.11a | Frequency(MHz): | 5200 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9057.000 | 36.35 | 11.35 | 47.70 | 74.00 | -26.30 | peak |
| 2 | 10443.000 | 35.50 | 13.35 | 48.85 | 74.00 | -25.15 | peak |
| 3 | 11785.000 | 32.54 | 17.52 | 50.06 | 74.00 | -23.94 | peak |
| 4 | 12566.000 | 31.33 | 18.40 | 49.73 | 74.00 | -24.27 | peak |
| 5 | 13589.000 | 28.68 | 21.41 | 50.09 | 74.00 | -23.91 | peak |
| 6 | 17769.000 | 24.91 | 25.76 | 50.67 | 74.00 | -23.33 | peak |



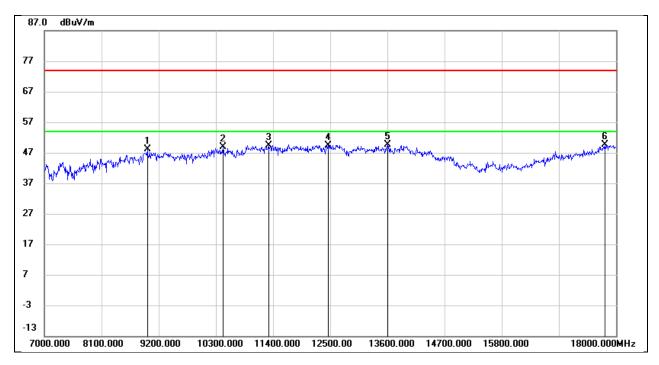
| Test Mode: | 802.11a | Frequency(MHz): | 5240 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8925.000 | 37.57 | 10.75 | 48.32 | 74.00 | -25.68 | peak |
| 2 | 10905.000 | 34.30 | 14.39 | 48.69 | 74.00 | -25.31 | peak |
| 3 | 11829.000 | 31.24 | 17.71 | 48.95 | 74.00 | -25.05 | peak |
| 4 | 12533.000 | 31.38 | 18.49 | 49.87 | 74.00 | -24.13 | peak |
| 5 | 13930.000 | 26.55 | 22.50 | 49.05 | 74.00 | -24.95 | peak |
| 6 | 17978.000 | 22.71 | 26.88 | 49.59 | 74.00 | -24.41 | peak |



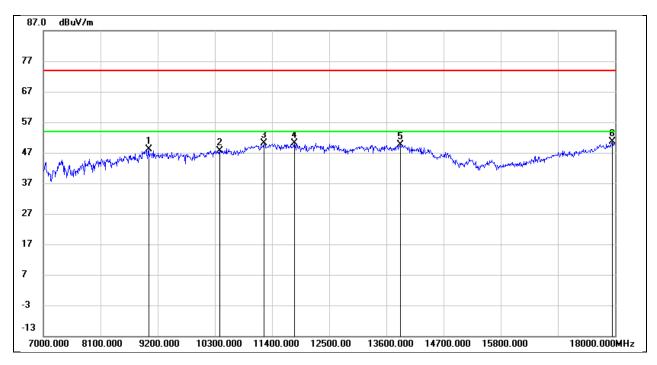
| Test Mode: | 802.11a | Frequency(MHz): | 5240 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8980.000 | 36.55 | 11.57 | 48.12 | 74.00 | -25.88 | peak |
| 2 | 10443.000 | 35.48 | 13.35 | 48.83 | 74.00 | -25.17 | peak |
| 3 | 11312.000 | 33.46 | 16.03 | 49.49 | 74.00 | -24.51 | peak |
| 4 | 12467.000 | 30.77 | 18.70 | 49.47 | 74.00 | -24.53 | peak |
| 5 | 13611.000 | 28.14 | 21.48 | 49.62 | 74.00 | -24.38 | peak |
| 6 | 17780.000 | 23.63 | 25.89 | 49.52 | 74.00 | -24.48 | peak |



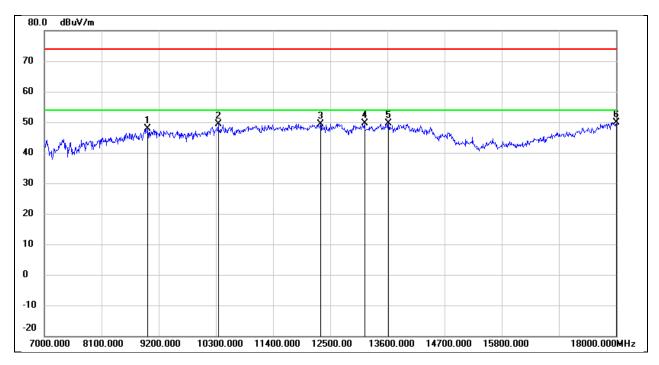
| Test Mode: | 802.11a | Frequency(MHz): | 5745 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9024.000 | 36.54 | 11.65 | 48.19 | 74.00 | -25.81 | peak |
| 2 | 10388.000 | 34.57 | 13.18 | 47.75 | 74.00 | -26.25 | peak |
| 3 | 11246.000 | 34.61 | 15.62 | 50.23 | 74.00 | -23.77 | peak |
| 4 | 11829.000 | 32.49 | 17.71 | 50.20 | 74.00 | -23.80 | peak |
| 5 | 13864.000 | 27.20 | 22.45 | 49.65 | 74.00 | -24.35 | peak |
| 6 | 17945.000 | 23.87 | 26.74 | 50.61 | 74.00 | -23.39 | peak |



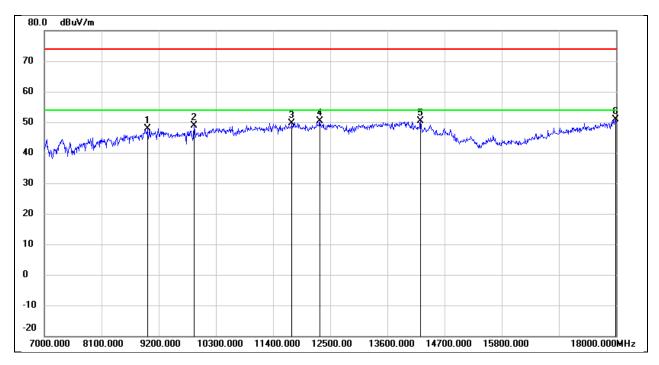
| Test Mode: | 802.11a | Frequency(MHz): | 5745 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8991.000 | 36.27 | 11.73 | 48.00 | 74.00 | -26.00 | peak |
| 2 | 10344.000 | 36.52 | 12.98 | 49.50 | 74.00 | -24.50 | peak |
| 3 | 12313.000 | 30.67 | 18.81 | 49.48 | 74.00 | -24.52 | peak |
| 4 | 13160.000 | 29.87 | 19.83 | 49.70 | 74.00 | -24.30 | peak |
| 5 | 13622.000 | 28.13 | 21.53 | 49.66 | 74.00 | -24.34 | peak |
| 6 | 18000.000 | 22.95 | 26.97 | 49.92 | 74.00 | -24.08 | peak |



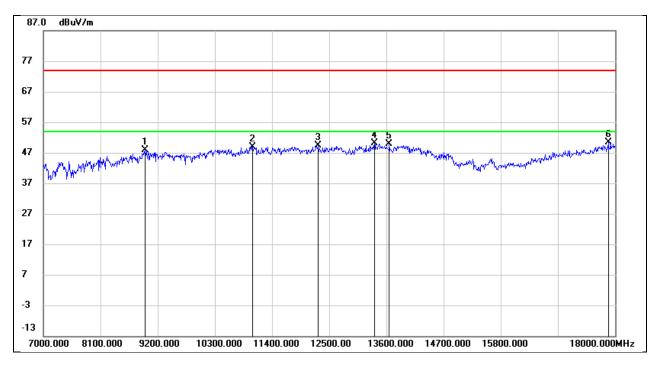
| Test Mode: | 802.11a | Frequency(MHz): | 5785 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8980.000 | 36.40 | 11.57 | 47.97 | 74.00 | -26.03 | peak |
| 2 | 9882.000 | 37.24 | 11.74 | 48.98 | 74.00 | -25.02 | peak |
| 3 | 11763.000 | 32.28 | 17.46 | 49.74 | 74.00 | -24.26 | peak |
| 4 | 12302.000 | 31.47 | 18.79 | 50.26 | 74.00 | -23.74 | peak |
| 5 | 14238.000 | 28.72 | 21.72 | 50.44 | 74.00 | -23.56 | peak |
| 6 | 17989.000 | 23.92 | 26.92 | 50.84 | 74.00 | -23.16 | peak |



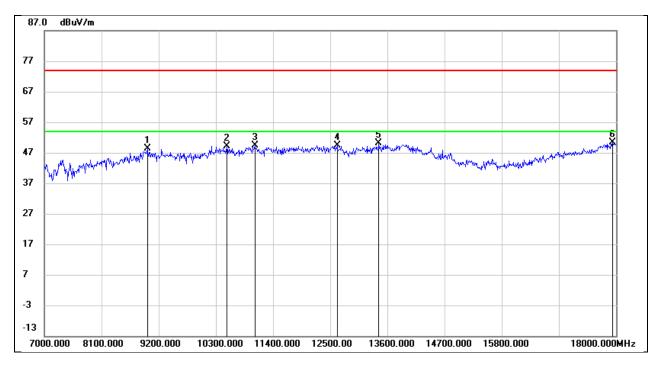
| Test Mode: | 802.11a | Frequency(MHz): | 5785 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8958.000 | 36.74 | 11.24 | 47.98 | 74.00 | -26.02 | peak |
| 2 | 11026.000 | 33.93 | 14.95 | 48.88 | 74.00 | -25.12 | peak |
| 3 | 12291.000 | 30.61 | 18.77 | 49.38 | 74.00 | -24.62 | peak |
| 4 | 13369.000 | 29.16 | 20.95 | 50.11 | 74.00 | -23.89 | peak |
| 5 | 13655.000 | 28.31 | 21.69 | 50.00 | 74.00 | -24.00 | peak |
| 6 | 17868.000 | 24.05 | 26.41 | 50.46 | 74.00 | -23.54 | peak |



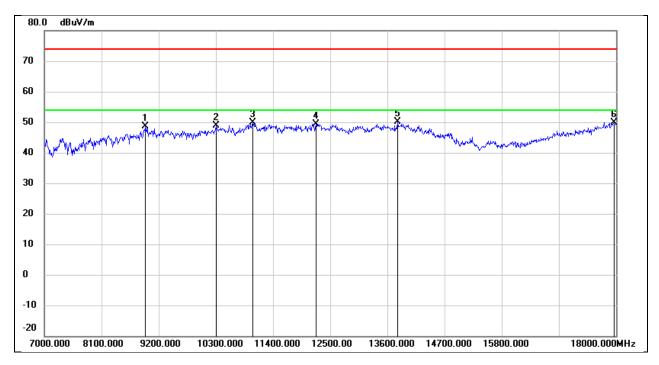
| Test Mode: | 802.11a | Frequency(MHz): | 5825 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8980.000 | 36.76 | 11.57 | 48.33 | 74.00 | -25.67 | peak |
| 2 | 10509.000 | 35.66 | 13.52 | 49.18 | 74.00 | -24.82 | peak |
| 3 | 11048.000 | 34.37 | 14.99 | 49.36 | 74.00 | -24.64 | peak |
| 4 | 12632.000 | 30.98 | 18.40 | 49.38 | 74.00 | -24.62 | peak |
| 5 | 13435.000 | 28.89 | 21.22 | 50.11 | 74.00 | -23.89 | peak |
| 6 | 17934.000 | 23.66 | 26.69 | 50.35 | 74.00 | -23.65 | peak |



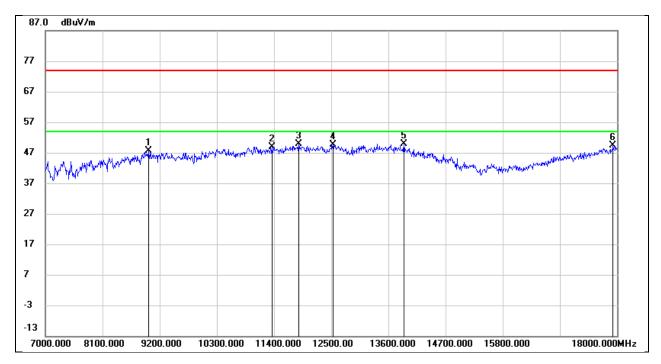
| Test Mode: | 802.11a | Frequency(MHz): | 5825 |
|------------|----------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8947.000 | 37.44 | 11.08 | 48.52 | 74.00 | -25.48 | peak |
| 2 | 10300.000 | 36.19 | 12.78 | 48.97 | 74.00 | -25.03 | peak |
| 3 | 11004.000 | 34.93 | 14.90 | 49.83 | 74.00 | -24.17 | peak |
| 4 | 12225.000 | 30.79 | 18.63 | 49.42 | 74.00 | -24.58 | peak |
| 5 | 13798.000 | 27.66 | 22.41 | 50.07 | 74.00 | -23.93 | peak |
| 6 | 17956.000 | 23.10 | 26.78 | 49.88 | 74.00 | -24.12 | peak |



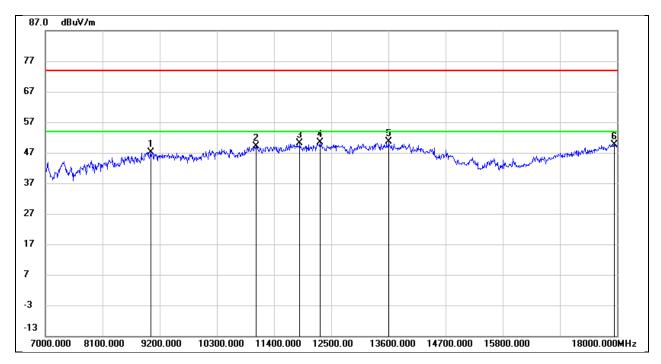
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5190 |
|------------|--------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8991.000 | 35.83 | 11.73 | 47.56 | 74.00 | -26.44 | peak |
| 2 | 11356.000 | 32.67 | 16.30 | 48.97 | 74.00 | -25.03 | peak |
| 3 | 11873.000 | 32.04 | 17.94 | 49.98 | 74.00 | -24.02 | peak |
| 4 | 12533.000 | 31.19 | 18.49 | 49.68 | 74.00 | -24.32 | peak |
| 5 | 13897.000 | 27.44 | 22.47 | 49.91 | 74.00 | -24.09 | peak |
| 6 | 17923.000 | 22.78 | 26.64 | 49.42 | 74.00 | -24.58 | peak |



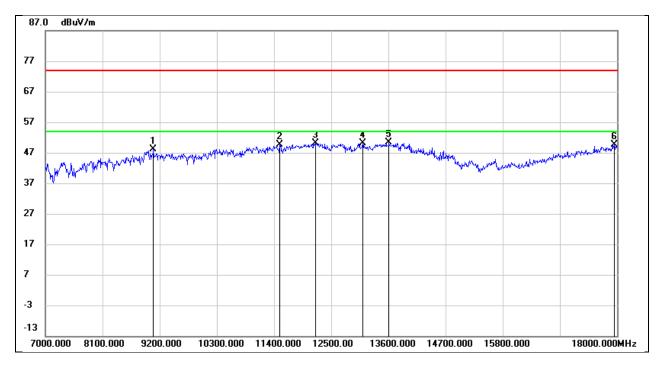
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5190 |
|------------|--------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9024.000 | 35.44 | 11.65 | 47.09 | 74.00 | -26.91 | peak |
| 2 | 11059.000 | 34.10 | 15.02 | 49.12 | 74.00 | -24.88 | peak |
| 3 | 11895.000 | 32.00 | 18.05 | 50.05 | 74.00 | -23.95 | peak |
| 4 | 12280.000 | 31.55 | 18.74 | 50.29 | 74.00 | -23.71 | peak |
| 5 | 13600.000 | 29.19 | 21.42 | 50.61 | 74.00 | -23.39 | peak |
| 6 | 17945.000 | 22.95 | 26.74 | 49.69 | 74.00 | -24.31 | peak |



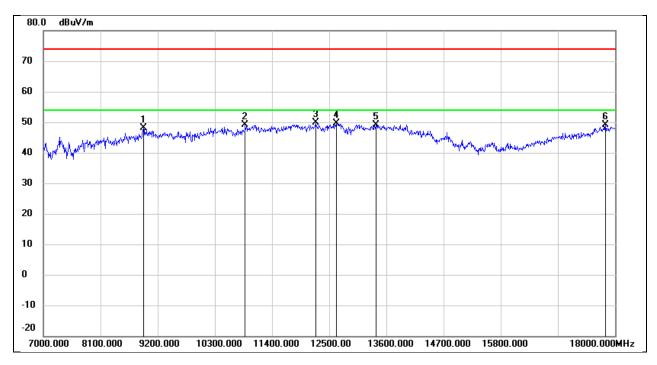
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5230 |
|------------|--------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9079.000 | 37.00 | 11.15 | 48.15 | 74.00 | -25.85 | peak |
| 2 | 11510.000 | 32.73 | 16.90 | 49.63 | 74.00 | -24.37 | peak |
| 3 | 12203.000 | 31.66 | 18.59 | 50.25 | 74.00 | -23.75 | peak |
| 4 | 13105.000 | 30.62 | 19.58 | 50.20 | 74.00 | -23.80 | peak |
| 5 | 13611.000 | 28.96 | 21.48 | 50.44 | 74.00 | -23.56 | peak |
| 6 | 17945.000 | 23.01 | 26.74 | 49.75 | 74.00 | -24.25 | peak |



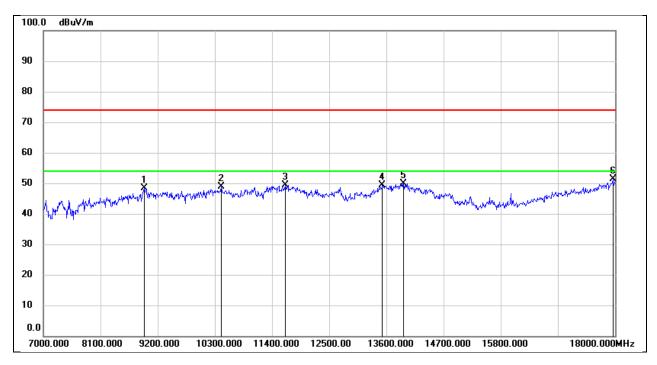
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5230 |
|------------|--------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8925.000 | 37.50 | 10.75 | 48.25 | 74.00 | -25.75 | peak |
| 2 | 10883.000 | 34.88 | 14.28 | 49.16 | 74.00 | -24.84 | peak |
| 3 | 12236.000 | 31.14 | 18.66 | 49.80 | 74.00 | -24.20 | peak |
| 4 | 12632.000 | 31.26 | 18.40 | 49.66 | 74.00 | -24.34 | peak |
| 5 | 13402.000 | 27.90 | 21.12 | 49.02 | 74.00 | -24.98 | peak |
| 6 | 17813.000 | 22.83 | 26.18 | 49.01 | 74.00 | -24.99 | peak |



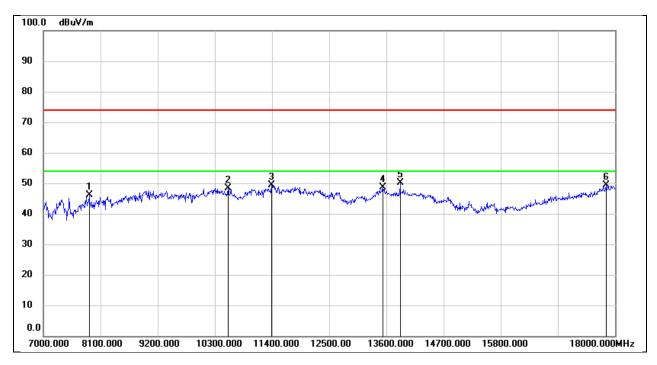
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5755 |
|------------|--------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8936.000 | 37.58 | 10.91 | 48.49 | 74.00 | -25.51 | peak |
| 2 | 10421.000 | 35.71 | 13.29 | 49.00 | 74.00 | -25.00 | peak |
| 3 | 11653.000 | 32.10 | 17.16 | 49.26 | 74.00 | -24.74 | peak |
| 4 | 13523.000 | 27.90 | 21.41 | 49.31 | 74.00 | -24.69 | peak |
| 5 | 13930.000 | 27.48 | 22.50 | 49.98 | 74.00 | -24.02 | peak |
| 6 | 17956.000 | 24.71 | 26.78 | 51.49 | 74.00 | -22.51 | peak |



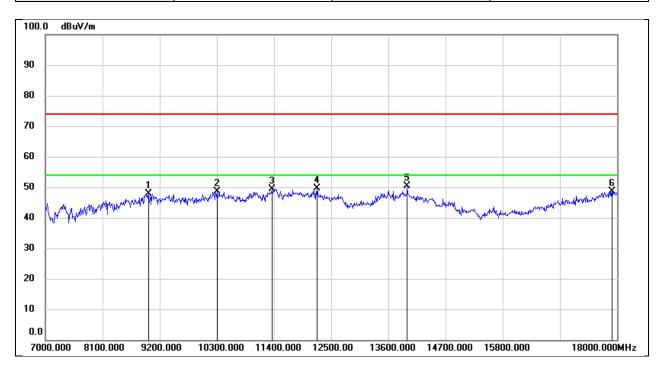
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5755 |
|------------|--------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7880.000 | 39.22 | 6.86 | 46.08 | 74.00 | -27.92 | peak |
| 2 | 10553.000 | 34.85 | 13.64 | 48.49 | 74.00 | -25.51 | peak |
| 3 | 11389.000 | 32.85 | 16.51 | 49.36 | 74.00 | -24.64 | peak |
| 4 | 13534.000 | 27.27 | 21.41 | 48.68 | 74.00 | -25.32 | peak |
| 5 | 13864.000 | 27.68 | 22.45 | 50.13 | 74.00 | -23.87 | peak |
| 6 | 17824.000 | 23.05 | 26.22 | 49.27 | 74.00 | -24.73 | peak |



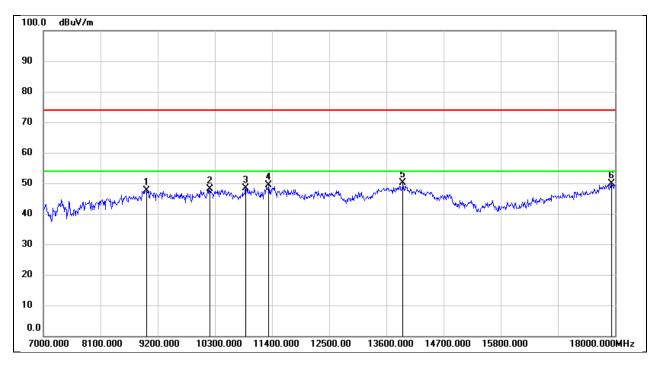
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5795 |
|------------|--------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8980.000 | 36.26 | 11.57 | 47.83 | 74.00 | -26.17 | peak |
| 2 | 10300.000 | 35.82 | 12.78 | 48.60 | 74.00 | -25.40 | peak |
| 3 | 11356.000 | 33.00 | 16.30 | 49.30 | 74.00 | -24.70 | peak |
| 4 | 12225.000 | 30.89 | 18.63 | 49.52 | 74.00 | -24.48 | peak |
| 5 | 13963.000 | 27.99 | 22.51 | 50.50 | 74.00 | -23.50 | peak |
| 6 | 17901.000 | 21.99 | 26.55 | 48.54 | 74.00 | -25.46 | peak |



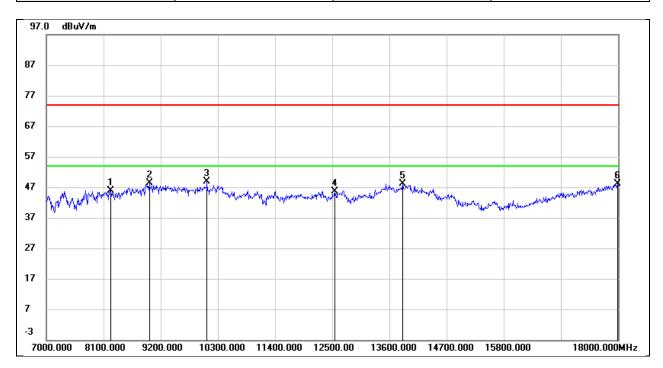
| Test Mode: | 802.11n HT40 | Frequency(MHz): | 5795 |
|------------|--------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8991.000 | 36.01 | 11.73 | 47.74 | 74.00 | -26.26 | peak |
| 2 | 10201.000 | 35.78 | 12.34 | 48.12 | 74.00 | -25.88 | peak |
| 3 | 10894.000 | 34.02 | 14.33 | 48.35 | 74.00 | -25.65 | peak |
| 4 | 11334.000 | 33.25 | 16.16 | 49.41 | 74.00 | -24.59 | peak |
| 5 | 13919.000 | 27.70 | 22.49 | 50.19 | 74.00 | -23.81 | peak |
| 6 | 17934.000 | 23.22 | 26.69 | 49.91 | 74.00 | -24.09 | peak |



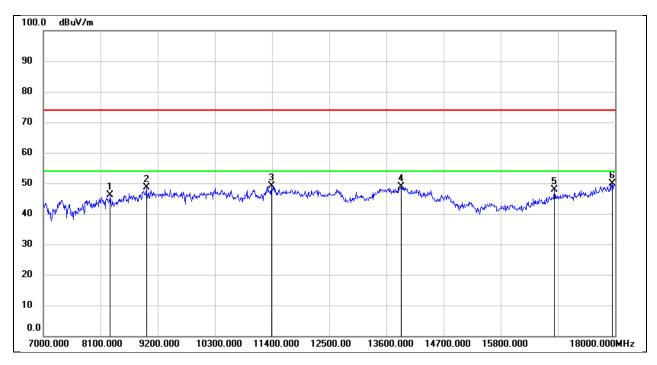
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5190 |
|------------|----------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8243.000 | 37.53 | 8.44 | 45.97 | 74.00 | -28.03 | peak |
| 2 | 8980.000 | 36.86 | 11.57 | 48.43 | 74.00 | -25.57 | peak |
| 3 | 10091.000 | 36.58 | 12.25 | 48.83 | 74.00 | -25.17 | peak |
| 4 | 12544.000 | 27.13 | 18.46 | 45.59 | 74.00 | -28.41 | peak |
| 5 | 13853.000 | 25.77 | 22.46 | 48.23 | 74.00 | -25.77 | peak |
| 6 | 17989.000 | 21.27 | 26.92 | 48.19 | 74.00 | -25.81 | peak |



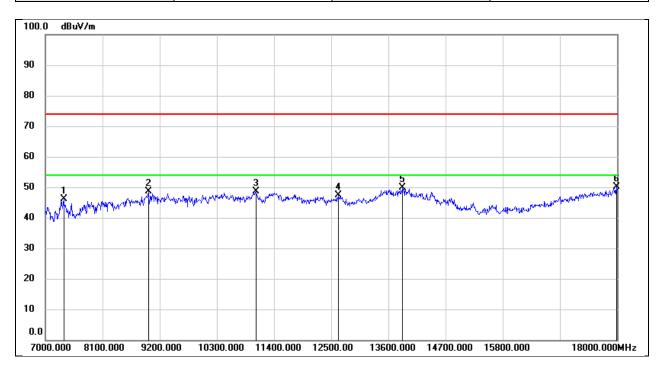
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5190 |
|------------|----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8287.000 | 37.74 | 8.28 | 46.02 | 74.00 | -27.98 | peak |
| 2 | 8980.000 | 37.06 | 11.57 | 48.63 | 74.00 | -25.37 | peak |
| 3 | 11389.000 | 32.64 | 16.51 | 49.15 | 74.00 | -24.85 | peak |
| 4 | 13886.000 | 26.47 | 22.48 | 48.95 | 74.00 | -25.05 | peak |
| 5 | 16834.000 | 26.60 | 21.24 | 47.84 | 74.00 | -26.16 | peak |
| 6 | 17945.000 | 23.08 | 26.74 | 49.82 | 74.00 | -24.18 | peak |



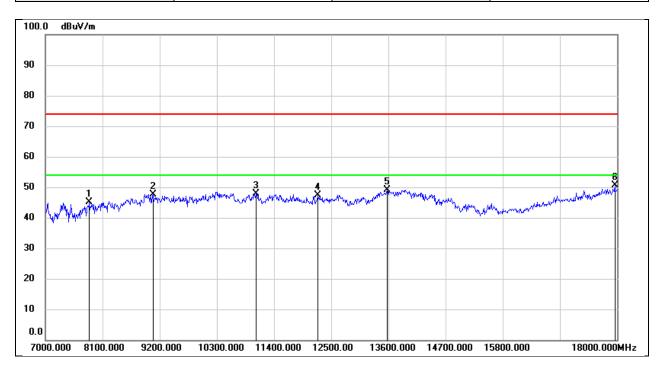
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5230 |
|------------|----------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7352.000 | 38.03 | 8.07 | 46.10 | 74.00 | -27.90 | peak |
| 2 | 8980.000 | 37.15 | 11.57 | 48.72 | 74.00 | -25.28 | peak |
| 3 | 11048.000 | 33.54 | 14.99 | 48.53 | 74.00 | -25.47 | peak |
| 4 | 12643.000 | 28.92 | 18.43 | 47.35 | 74.00 | -26.65 | peak |
| 5 | 13875.000 | 27.35 | 22.46 | 49.81 | 74.00 | -24.19 | peak |
| 6 | 17989.000 | 23.18 | 26.92 | 50.10 | 74.00 | -23.90 | peak |



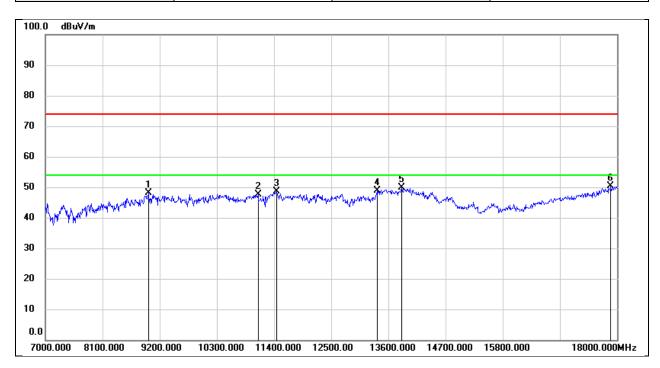
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5230 |
|------------|----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 7847.000 | 38.37 | 6.86 | 45.23 | 74.00 | -28.77 | peak |
| 2 | 9068.000 | 36.31 | 11.25 | 47.56 | 74.00 | -26.44 | peak |
| 3 | 11059.000 | 32.89 | 15.02 | 47.91 | 74.00 | -26.09 | peak |
| 4 | 12247.000 | 28.73 | 18.68 | 47.41 | 74.00 | -26.59 | peak |
| 5 | 13578.000 | 27.80 | 21.42 | 49.22 | 74.00 | -24.78 | peak |
| 6 | 17956.000 | 23.76 | 26.78 | 50.54 | 74.00 | -23.46 | peak |



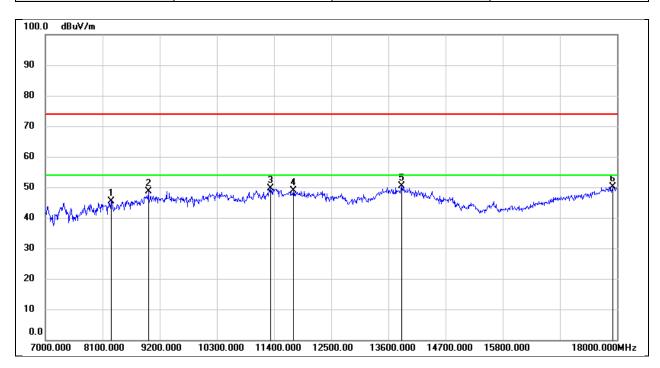
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5755 |
|------------|----------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8980.000 | 36.62 | 11.57 | 48.19 | 74.00 | -25.81 | peak |
| 2 | 11092.000 | 32.61 | 15.10 | 47.71 | 74.00 | -26.29 | peak |
| 3 | 11444.000 | 31.96 | 16.71 | 48.67 | 74.00 | -25.33 | peak |
| 4 | 13380.000 | 27.82 | 21.01 | 48.83 | 74.00 | -25.17 | peak |
| 5 | 13853.000 | 27.46 | 22.46 | 49.92 | 74.00 | -24.08 | peak |
| 6 | 17879.000 | 23.95 | 26.46 | 50.41 | 74.00 | -23.59 | peak |



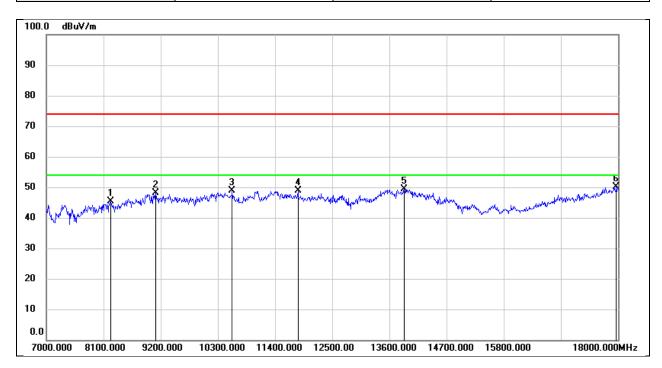
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5755 |
|------------|----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8265.000 | 37.10 | 8.36 | 45.46 | 74.00 | -28.54 | peak |
| 2 | 8980.000 | 36.95 | 11.57 | 48.52 | 74.00 | -25.48 | peak |
| 3 | 11334.000 | 33.43 | 16.16 | 49.59 | 74.00 | -24.41 | peak |
| 4 | 11774.000 | 31.34 | 17.49 | 48.83 | 74.00 | -25.17 | peak |
| 5 | 13853.000 | 28.00 | 22.46 | 50.46 | 74.00 | -23.54 | peak |
| 6 | 17923.000 | 23.38 | 26.64 | 50.02 | 74.00 | -23.98 | peak |



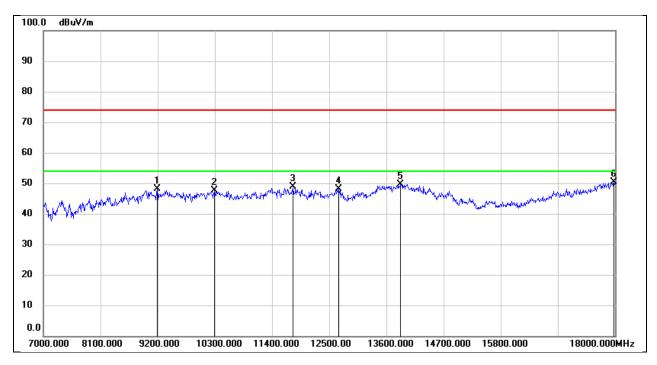
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5795 |
|------------|----------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8243.000 | 37.03 | 8.44 | 45.47 | 74.00 | -28.53 | peak |
| 2 | 9101.000 | 37.12 | 10.94 | 48.06 | 74.00 | -25.94 | peak |
| 3 | 10575.000 | 35.07 | 13.70 | 48.77 | 74.00 | -25.23 | peak |
| 4 | 11840.000 | 31.16 | 17.76 | 48.92 | 74.00 | -25.08 | peak |
| 5 | 13886.000 | 26.86 | 22.48 | 49.34 | 74.00 | -24.66 | peak |
| 6 | 17967.000 | 23.41 | 26.83 | 50.24 | 74.00 | -23.76 | peak |



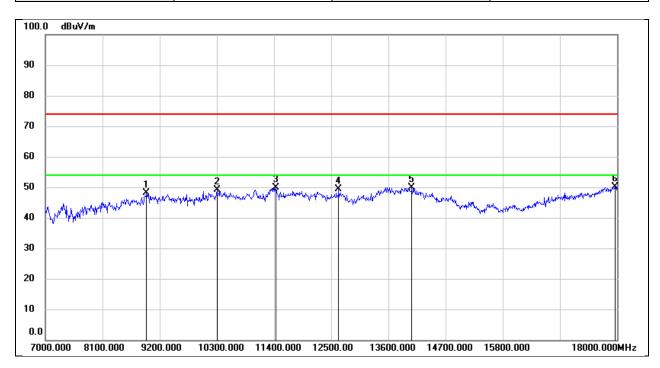
| Test Mode: | 802.11ac VHT40 | Frequency(MHz): | 5795 |
|------------|----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 9189.000 | 38.11 | 10.13 | 48.24 | 74.00 | -25.76 | peak |
| 2 | 10289.000 | 34.83 | 12.74 | 47.57 | 74.00 | -26.43 | peak |
| 3 | 11807.000 | 31.29 | 17.60 | 48.89 | 74.00 | -25.11 | peak |
| 4 | 12687.000 | 29.48 | 18.53 | 48.01 | 74.00 | -25.99 | peak |
| 5 | 13875.000 | 27.22 | 22.46 | 49.68 | 74.00 | -24.32 | peak |
| 6 | 17978.000 | 23.57 | 26.88 | 50.45 | 74.00 | -23.55 | peak |



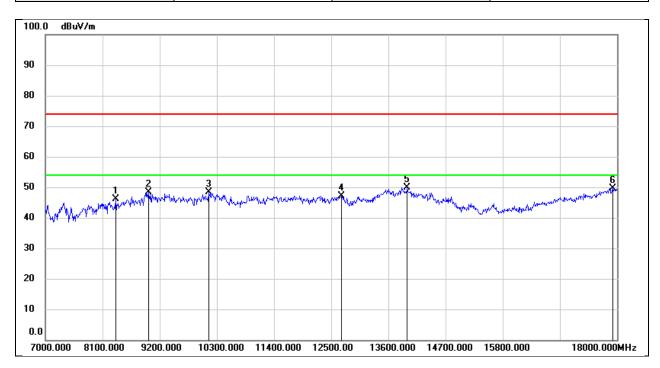
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5210 |
|------------|----------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8947.000 | 37.10 | 11.08 | 48.18 | 74.00 | -25.82 | peak |
| 2 | 10300.000 | 36.24 | 12.78 | 49.02 | 74.00 | -24.98 | peak |
| 3 | 11433.000 | 33.09 | 16.68 | 49.77 | 74.00 | -24.23 | peak |
| 4 | 12643.000 | 30.85 | 18.43 | 49.28 | 74.00 | -24.72 | peak |
| 5 | 14051.000 | 27.57 | 22.39 | 49.96 | 74.00 | -24.04 | peak |
| 6 | 17956.000 | 23.43 | 26.78 | 50.21 | 74.00 | -23.79 | peak |



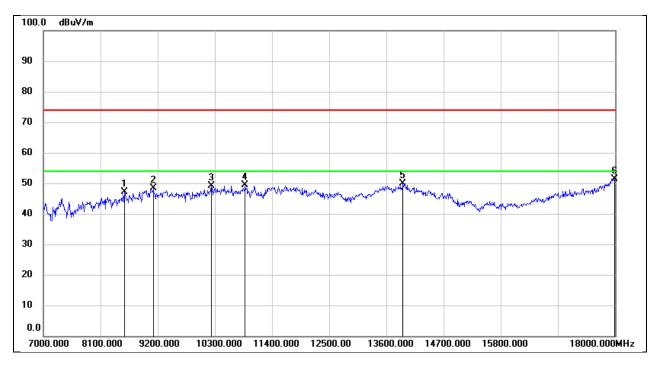
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5210 |
|------------|----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8353.000 | 38.00 | 8.01 | 46.01 | 74.00 | -27.99 | peak |
| 2 | 8991.000 | 36.73 | 11.73 | 48.46 | 74.00 | -25.54 | peak |
| 3 | 10146.000 | 36.16 | 12.29 | 48.45 | 74.00 | -25.55 | peak |
| 4 | 12698.000 | 28.66 | 18.56 | 47.22 | 74.00 | -26.78 | peak |
| 5 | 13963.000 | 27.44 | 22.51 | 49.95 | 74.00 | -24.05 | peak |
| 6 | 17912.000 | 22.99 | 26.60 | 49.59 | 74.00 | -24.41 | peak |



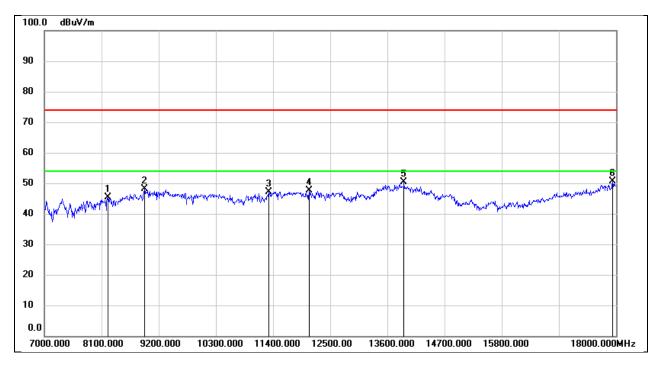
| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5775 |
|------------|----------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8562.000 | 38.42 | 8.83 | 47.25 | 74.00 | -26.75 | peak |
| 2 | 9112.000 | 37.41 | 10.85 | 48.26 | 74.00 | -25.74 | peak |
| 3 | 10234.000 | 36.69 | 12.49 | 49.18 | 74.00 | -24.82 | peak |
| 4 | 10883.000 | 35.07 | 14.28 | 49.35 | 74.00 | -24.65 | peak |
| 5 | 13919.000 | 27.51 | 22.49 | 50.00 | 74.00 | -24.00 | peak |
| 6 | 17989.000 | 24.58 | 26.92 | 51.50 | 74.00 | -22.50 | peak |



| Test Mode: | 802.11ac VHT80 | Frequency(MHz): | 5775 |
|------------|----------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |

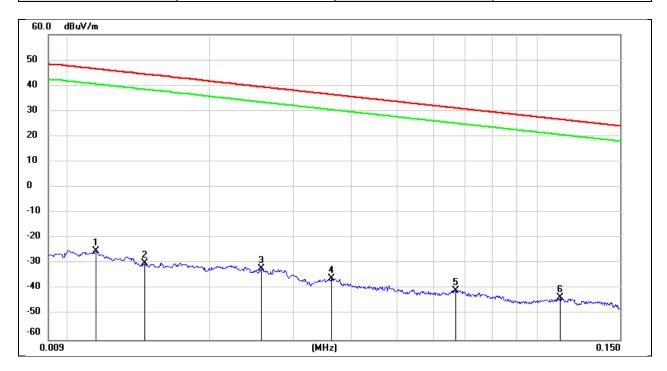


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 8221.000 | 36.85 | 8.53 | 45.38 | 74.00 | -28.62 | peak |
| 2 | 8925.000 | 37.37 | 10.75 | 48.12 | 74.00 | -25.88 | peak |
| 3 | 11312.000 | 31.15 | 16.03 | 47.18 | 74.00 | -26.82 | peak |
| 4 | 12093.000 | 28.93 | 18.59 | 47.52 | 74.00 | -26.48 | peak |
| 5 | 13919.000 | 27.89 | 22.49 | 50.38 | 74.00 | -23.62 | peak |
| 6 | 17934.000 | 23.95 | 26.69 | 50.64 | 74.00 | -23.36 | peak |

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8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

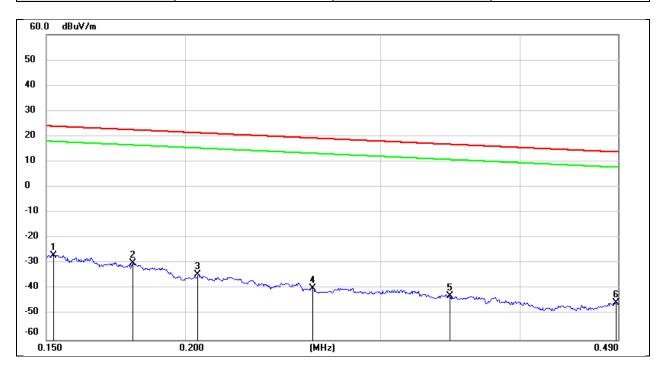
| Test Mode: | 802.11a20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | FCC | FCC | ISED | ISED | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|----------|----------|--------|--------|
| | | | | Result | Limit | Result | Limit | | |
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuA/m) | (dBuA/m) | (dB) | |
| 1 | 0.0114 | 76.38 | -101.40 | -25.02 | 46.46 | -76.52 | -5.04 | -71.48 | peak |
| 2 | 0.0145 | 71.55 | -101.38 | -29.83 | 44.37 | -81.33 | -7.13 | -74.20 | peak |
| 3 | 0.0257 | 69.46 | -101.37 | -31.91 | 39.40 | -83.41 | -12.10 | -71.31 | peak |
| 4 | 0.0362 | 65.51 | -101.42 | -35.91 | 36.43 | -87.41 | -15.07 | -72.34 | peak |
| 5 | 0.0666 | 60.93 | -101.55 | -40.62 | 31.13 | -92.12 | -20.37 | -71.75 | peak |
| 6 | 0.1116 | 58.39 | -101.76 | -43.37 | 26.65 | -94.87 | -24.85 | -70.02 | peak |



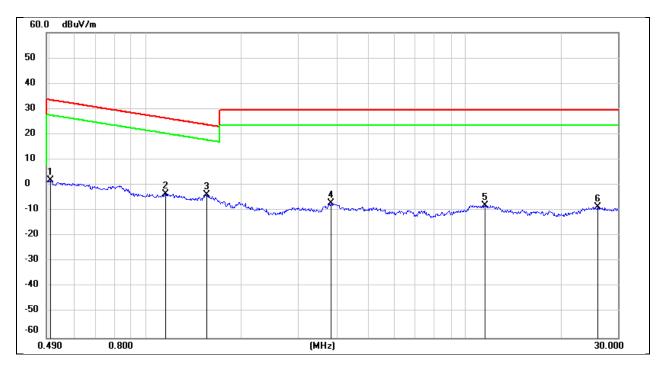
| Test Mode: | 802.11a20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | FCC | FCC | ISED | ISED | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|----------|----------|--------|--------|
| | | | | Result | Limit | Result | Limit | | |
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuA/m) | (dBuA/m) | (dB) | |
| 1 | 0.1524 | 74.80 | -101.63 | -26.83 | 23.94 | -78.33 | -27.56 | -50.77 | peak |
| 2 | 0.1794 | 71.77 | -101.68 | -29.91 | 22.53 | -81.41 | -28.97 | -52.44 | peak |
| 3 | 0.2053 | 67.29 | -101.73 | -34.44 | 21.35 | -85.94 | -30.15 | -55.79 | peak |
| 4 | 0.2605 | 62.14 | -101.81 | -39.67 | 19.28 | -91.17 | -32.22 | -58.95 | peak |
| 5 | 0.3462 | 59.24 | -101.90 | -42.66 | 16.81 | -94.16 | -34.69 | -59.47 | peak |
| 6 | 0.4884 | 56.50 | -102.06 | -45.56 | 13.83 | -97.06 | -37.67 | -59.39 | peak |



| Test Mode: | 802.11a20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |

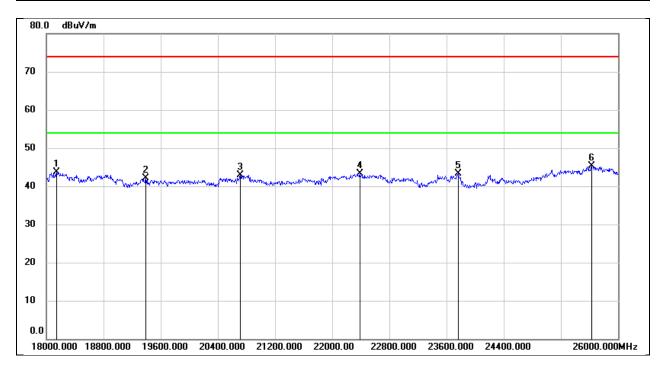


| No. | Frequency | Reading | Correct | FCC | FCC | ISED | ISED | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|----------|----------|--------|--------|
| | | | | Result | Limit | Result | Limit | | |
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuA/m) | (dBuA/m) | (dB) | |
| 1 | 0.5039 | 63.93 | -62.07 | 1.86 | 33.56 | -49.64 | -17.94 | -31.70 | peak |
| 2 | 1.1531 | 58.75 | -62.20 | -3.45 | 26.37 | -54.95 | -25.13 | -29.82 | peak |
| 3 | 1.5564 | 58.18 | -62.02 | -3.84 | 23.76 | -55.34 | -27.74 | -27.60 | peak |
| 4 | 3.8025 | 54.25 | -61.38 | -7.13 | 29.54 | -58.63 | -21.96 | -36.67 | peak |
| 5 | 11.5266 | 52.92 | -60.86 | -7.94 | 29.54 | -59.44 | -21.96 | -37.48 | peak |
| 6 | 25.8978 | 51.76 | -60.36 | -8.60 | 29.54 | -60.10 | -21.96 | -38.14 | peak |

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8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

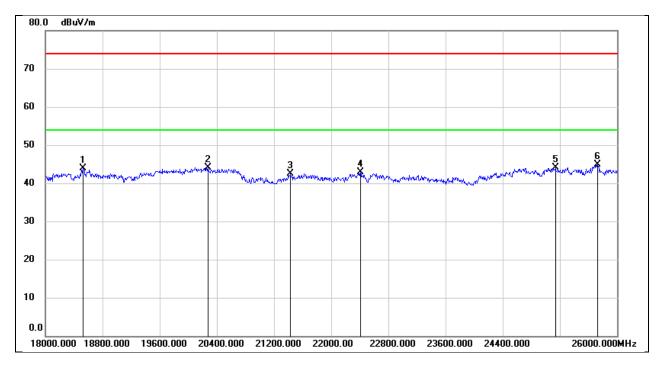
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 18144.000 | 49.27 | -5.48 | 43.79 | 74.00 | -30.21 | peak |
| 2 | 19392.000 | 47.62 | -5.57 | 42.05 | 74.00 | -31.95 | peak |
| 3 | 20712.000 | 48.07 | -5.16 | 42.91 | 74.00 | -31.09 | peak |
| 4 | 22384.000 | 47.44 | -4.04 | 43.40 | 74.00 | -30.60 | peak |
| 5 | 23760.000 | 46.41 | -3.18 | 43.23 | 74.00 | -30.77 | peak |
| 6 | 25632.000 | 46.53 | -1.16 | 45.37 | 74.00 | -28.63 | peak |



| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |

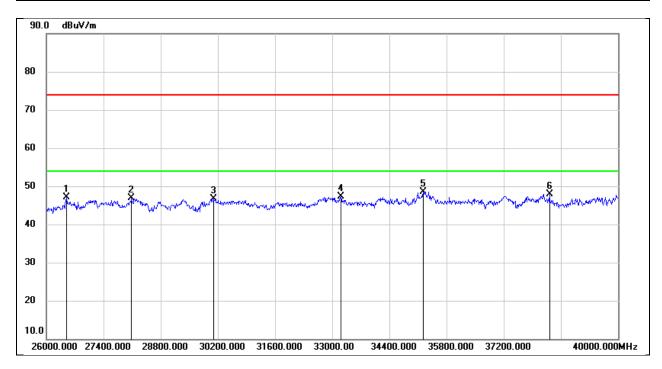


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 18528.000 | 49.11 | -5.26 | 43.85 | 74.00 | -30.15 | peak |
| 2 | 20272.000 | 49.77 | -5.60 | 44.17 | 74.00 | -29.83 | peak |
| 3 | 21432.000 | 47.24 | -4.71 | 42.53 | 74.00 | -31.47 | peak |
| 4 | 22408.000 | 46.87 | -4.01 | 42.86 | 74.00 | -31.14 | peak |
| 5 | 25136.000 | 45.92 | -1.87 | 44.05 | 74.00 | -29.95 | peak |
| 6 | 25728.000 | 45.61 | -0.72 | 44.89 | 74.00 | -29.11 | peak |

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8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

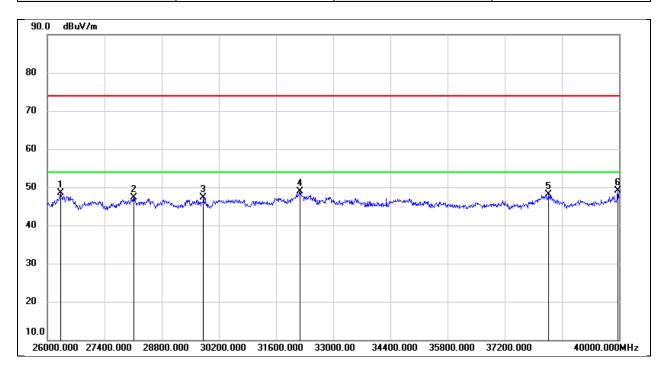
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Horizontal | Test Voltage: | AC 120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 26490.000 | 51.79 | -4.74 | 47.05 | 74.00 | -26.95 | peak |
| 2 | 28086.000 | 50.41 | -3.49 | 46.92 | 74.00 | -27.08 | peak |
| 3 | 30102.000 | 47.98 | -1.29 | 46.69 | 74.00 | -27.31 | peak |
| 4 | 33210.000 | 47.76 | -0.51 | 47.25 | 74.00 | -26.75 | peak |
| 5 | 35226.000 | 46.06 | 2.53 | 48.59 | 74.00 | -25.41 | peak |
| 6 | 38320.000 | 44.06 | 3.77 | 47.83 | 74.00 | -26.17 | peak |



| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|--------------|
| Polarity: | Vertical | Test Voltage: | AC 120V_60Hz |

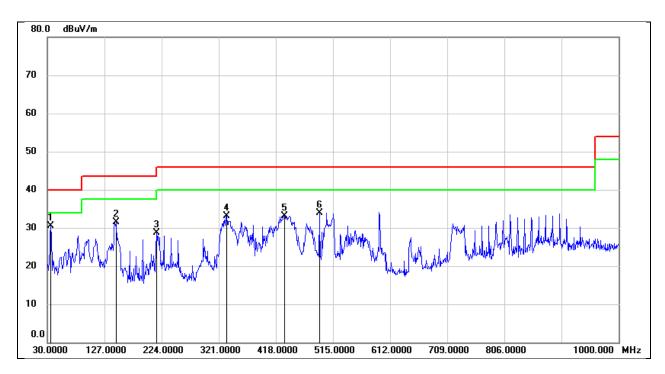


| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 26322.000 | 53.62 | -5.18 | 48.44 | 74.00 | -25.56 | peak |
| 2 | 28114.000 | 50.63 | -3.30 | 47.33 | 74.00 | -26.67 | peak |
| 3 | 29822.000 | 48.94 | -1.62 | 47.32 | 74.00 | -26.68 | peak |
| 4 | 32188.000 | 50.24 | -1.41 | 48.83 | 74.00 | -25.17 | peak |
| 5 | 38278.000 | 44.32 | 3.82 | 48.14 | 74.00 | -25.86 | peak |
| 6 | 39972.000 | 43.95 | 5.13 | 49.08 | 74.00 | -24.92 | peak |

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8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

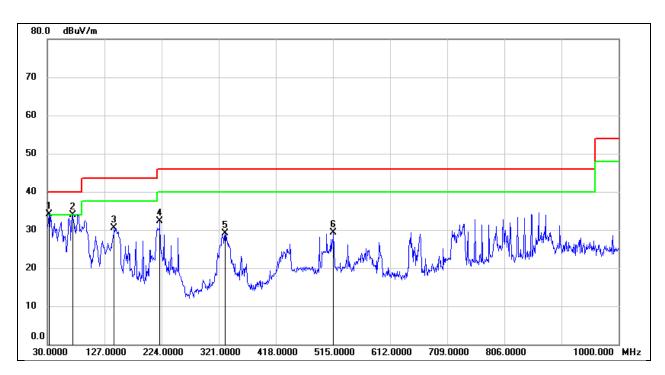
| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|-------------|
| Polarity: | Horizontal | Test Voltage: | AC120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 35.8200 | 44.80 | -14.30 | 30.50 | 40.00 | -9.50 | QP |
| 2 | 146.4000 | 45.34 | -13.75 | 31.59 | 43.50 | -11.91 | QP |
| 3 | 215.2700 | 41.49 | -12.85 | 28.64 | 43.50 | -14.86 | QP |
| 4 | 334.5799 | 43.45 | -10.25 | 33.20 | 46.00 | -12.80 | QP |
| 5 | 432.5500 | 42.19 | -9.05 | 33.14 | 46.00 | -12.86 | QP |
| 6 | 491.7200 | 41.75 | -7.80 | 33.95 | 46.00 | -12.05 | QP |



| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|-------------|
| Polarity: | Vertical | Test Voltage: | AC120V_60Hz |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|----------|----------|--------|--------|
| | (MHz) | (dBuV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 32.9100 | 47.87 | -13.80 | 34.07 | 40.00 | -5.93 | QP |
| 2 | 72.6800 | 49.73 | -15.78 | 33.95 | 40.00 | -6.05 | QP |
| 3 | 143.4900 | 44.44 | -13.89 | 30.55 | 43.50 | -12.95 | QP |
| 4 | 221.0900 | 45.36 | -13.14 | 32.22 | 46.00 | -13.78 | QP |
| 5 | 331.6700 | 39.47 | -10.37 | 29.10 | 46.00 | -16.90 | QP |
| 6 | 515.9699 | 36.87 | -7.60 | 29.27 | 46.00 | -16.73 | QP |

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9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8

| FREQUENCY (MHz) | Quasi-peak | Average |
|-----------------|------------|-----------|
| 0.15 -0.5 | 66 - 56 * | 56 - 46 * |
| 0.50 -5.0 | 56.00 | 46.00 |
| 5.0 -30.0 | 60.00 | 50.00 |

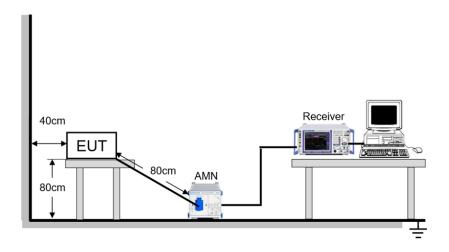
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP





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TEST ENVIRONMENT

| Temperature | 25.6℃ | Relative Humidity | 59% |
|---------------------|--------|-------------------|-----------------|
| Atmosphere Pressure | 101kPa | Test Voltage | AC 120 V, 60 Hz |

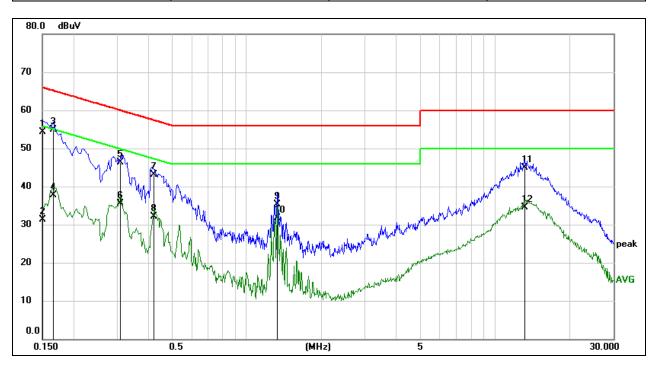
TEST DATE / ENGINEER

| T 1 D 1 | 1 10 0001 | T . D | |
|------------|---------------|----------|-------------------|
| Test Date | June 19, 2024 | Test By | Fanny Huang |
| . co. Baio | June 10, 202 | . 551 29 | i aiii.y i iaaiig |



TEST RESULTS

| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|------|
| Line: | Line | | |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | (dB) | (dBuV) | (dBuV) | (dB) | |
| 1 | 0.1500 | 43.97 | 10.34 | 54.31 | 66.00 | -11.69 | QP |
| 2 | 0.1500 | 20.99 | 10.34 | 31.33 | 56.00 | -24.67 | AVG |
| 3 | 0.1660 | 44.51 | 10.31 | 54.82 | 65.16 | -10.34 | QP |
| 4 | 0.1660 | 27.39 | 10.31 | 37.70 | 55.16 | -17.46 | AVG |
| 5 | 0.3100 | 35.99 | 10.24 | 46.23 | 59.97 | -13.74 | QP |
| 6 | 0.3100 | 25.24 | 10.24 | 35.48 | 49.97 | -14.49 | AVG |
| 7 | 0.4220 | 32.80 | 10.24 | 43.04 | 57.41 | -14.37 | QP |
| 8 | 0.4220 | 21.91 | 10.24 | 32.15 | 47.41 | -15.26 | AVG |
| 9 | 1.3300 | 25.38 | 10.00 | 35.38 | 56.00 | -20.62 | QP |
| 10 | 1.3300 | 21.71 | 10.00 | 31.71 | 46.00 | -14.29 | AVG |
| 11 | 13.1739 | 34.34 | 10.47 | 44.81 | 60.00 | -15.19 | QP |
| 12 | 13.1739 | 24.06 | 10.47 | 34.53 | 50.00 | -15.47 | AVG |

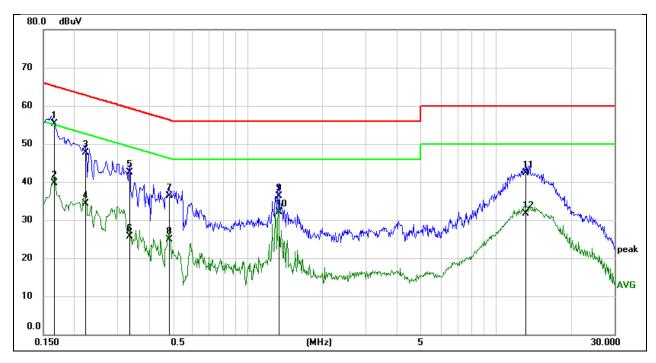
Note:

- 1. Result = Reading + Correct Factor.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
- 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



| Test Mode: | 802.11a 20 | Frequency(MHz): | 5180 |
|------------|------------|-----------------|------|
| Line: | Neutral | | |



| No. | Frequency | Reading | Correct | Result | Limit | Margin | Remark |
|-----|-----------|---------|---------|--------|--------|--------|--------|
| | (MHz) | (dBuV) | (dB) | (dBuV) | (dBuV) | (dB) | |
| 1 | 0.1660 | 44.90 | 10.31 | 55.21 | 65.16 | -9.95 | QP |
| 2 | 0.1660 | 29.43 | 10.31 | 39.74 | 55.16 | -15.42 | AVG |
| 3 | 0.2220 | 37.42 | 10.24 | 47.66 | 62.74 | -15.08 | QP |
| 4 | 0.2220 | 24.03 | 10.24 | 34.27 | 52.74 | -18.47 | AVG |
| 5 | 0.3339 | 32.33 | 10.24 | 42.57 | 59.35 | -16.78 | QP |
| 6 | 0.3339 | 15.40 | 10.24 | 25.64 | 49.35 | -23.71 | AVG |
| 7 | 0.4820 | 26.12 | 10.24 | 36.36 | 56.30 | -19.94 | QP |
| 8 | 0.4820 | 14.71 | 10.24 | 24.95 | 46.30 | -21.35 | AVG |
| 9 | 1.3340 | 26.28 | 10.00 | 36.28 | 56.00 | -19.72 | QP |
| 10 | 1.3340 | 22.16 | 10.00 | 32.16 | 46.00 | -13.84 | AVG |
| 11 | 13.2139 | 31.79 | 10.47 | 42.26 | 60.00 | -17.74 | QP |
| 12 | 13.2139 | 21.21 | 10.47 | 31.68 | 50.00 | -18.32 | AVG |

Note:

- 1. Result = Reading + Correct Factor.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
- 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



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10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass



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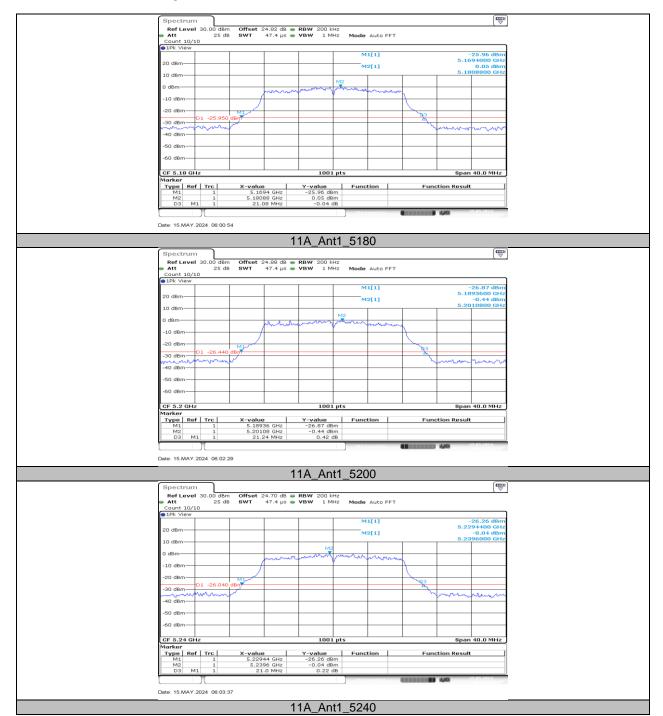
11. TEST DATA

11.1. APPENDIX A: EMISSION BANDWIDTH 11.1.1. Test Result

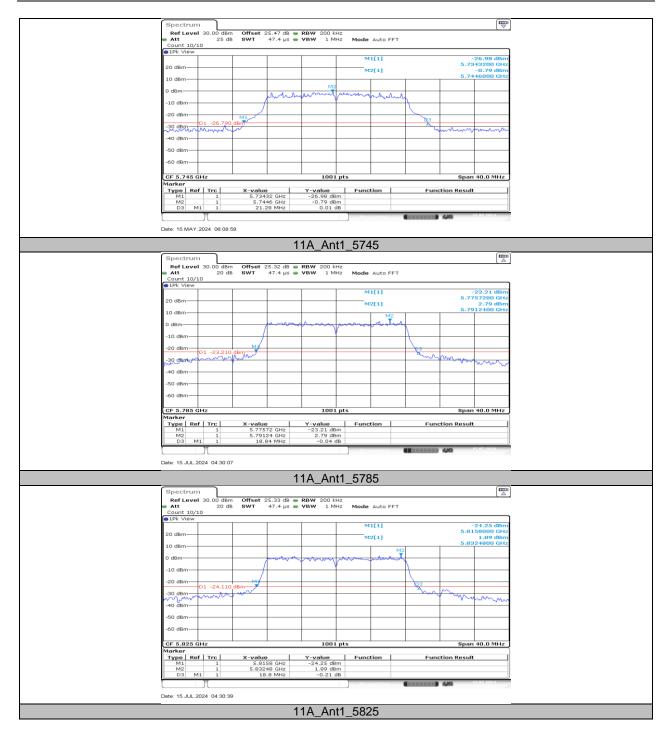
| Test Mode | Antenna | Frequency[MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] |
|------------|---------|----------------|-------------------|-----------|---------|
| | | 5180 | 21.08 | 5169.40 | 5190.48 |
| | | 5200 | 21.24 | 5189.36 | 5210.60 |
| 11A | Ant1 | 5240 | 21.00 | 5229.44 | 5250.44 |
| HA | Anti | 5745 | 21.28 | 5734.32 | 5755.60 |
| | | 5785 | 18.84 | | |
| | | 5825 | 18.80 | 5815.80 | 5834.60 |
| | | 5180 | 21.36 | 5169.44 | 5190.80 |
| | | 5200 | 21.16 | 5189.36 | 5210.52 |
| 11N20SISO | A n+1 | 5240 | 21.16 | 5229.56 | 5250.72 |
| 1111205150 | Ant1 | 5745 | 21.44 | 5734.44 | 5755.88 |
| | | 5785 | 20.60 | 5775.08 5 | 5795.68 |
| | | 5825 | 19.52 | 5815.16 | 5834.68 |
| | | 5190 | 40.56 | 5170.00 | 5210.56 |
| 11N40SISO | Ant1 | 5230 40.64 52 | 5209.84 | 5250.48 | |
| 1111405150 | Anti | 5755 | 40.24 | 5734.92 | 5775.16 |
| | | 5795 | 43.20 | 5773.08 | 5816.28 |
| 11AC80SISO | Ant1 | 5210 | 82.40 | 5169.04 | 5251.44 |
| 11AC00313U | Ant1 | 5775 | 82.40 | 5734.36 | 5816.76 |



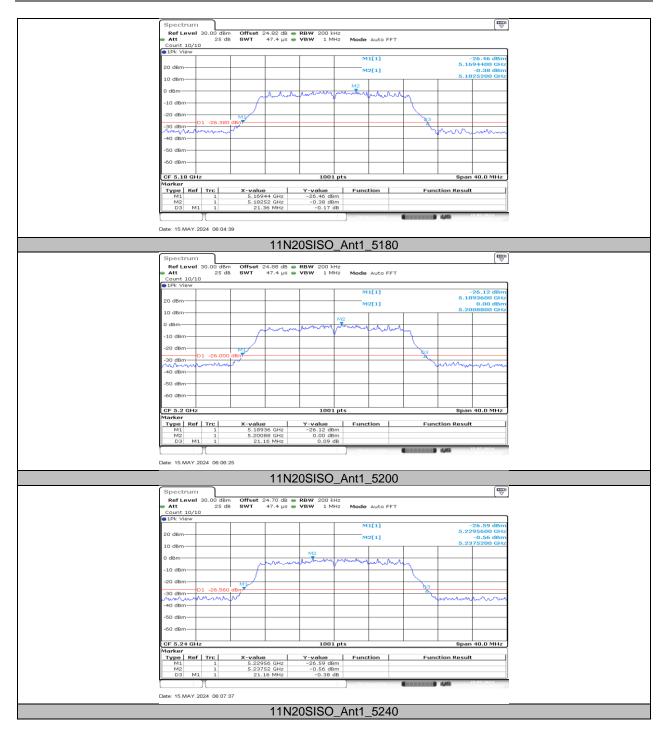
11.1.2. Test Graphs



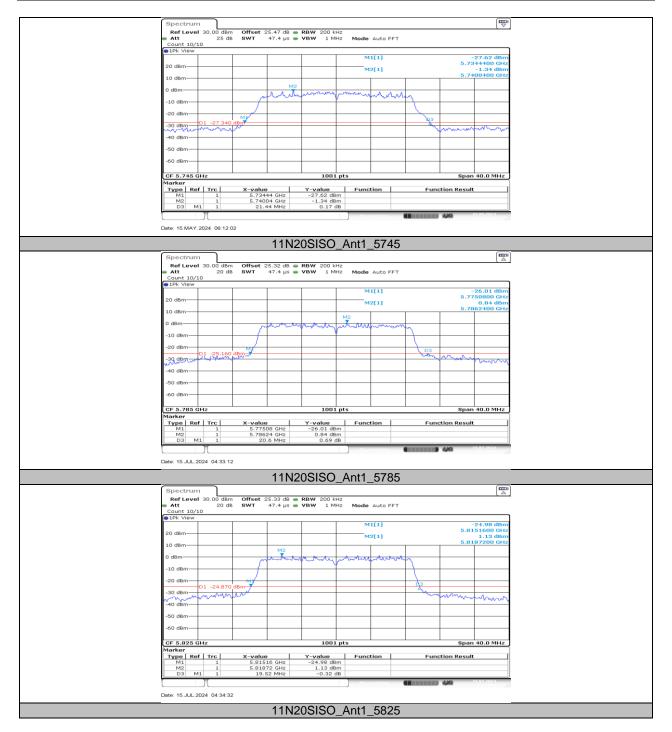




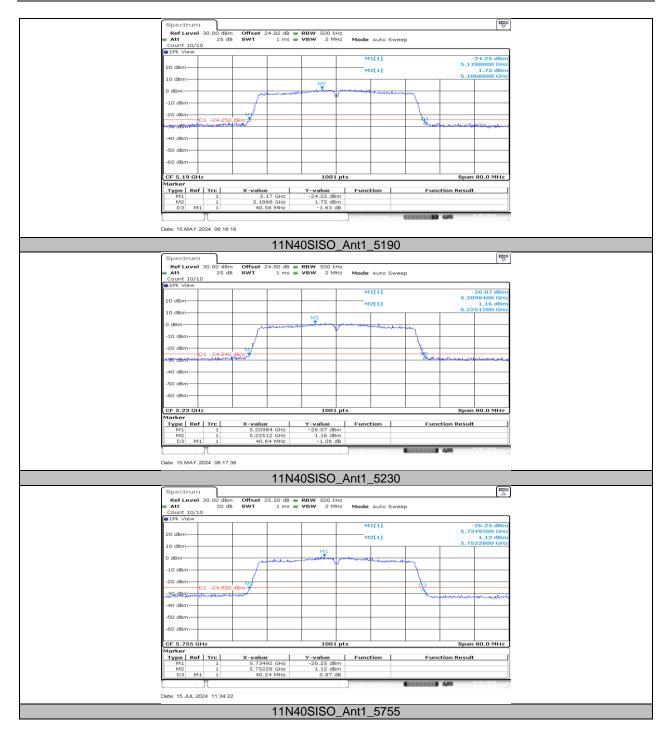




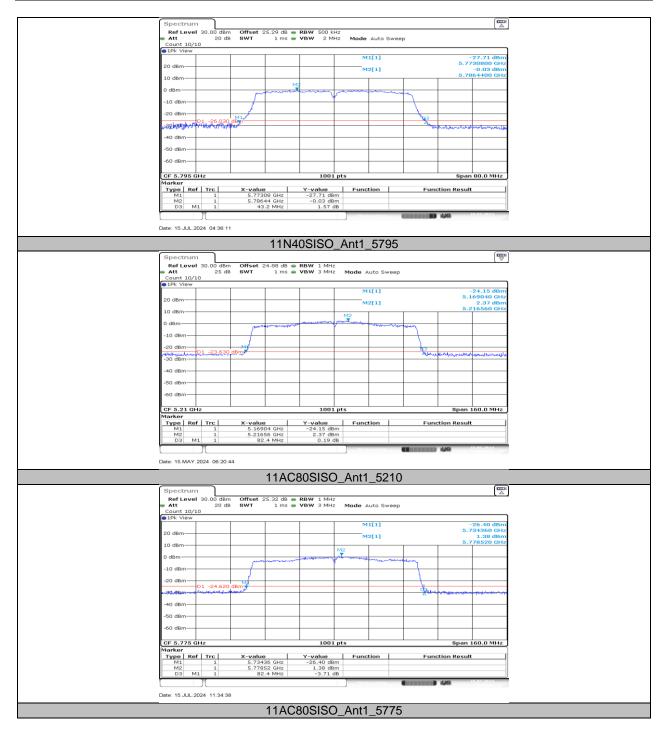














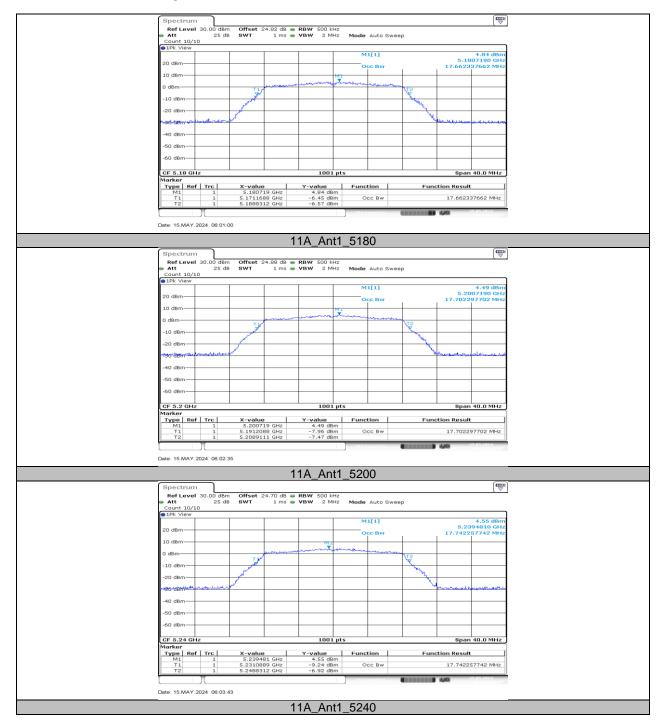
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11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH 11.2.1. Test Result

| Test Mode | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz] | FH[MHz] |
|--------------|---------|-----------------|-----------------------|-----------|-----------|
| | | 5180 | 17.662 | 5171.1688 | 5188.8312 |
| | | 5200 | 17.702 | 5191.2088 | 5208.9111 |
| 11 / | A n+1 | 5240 | 17.742 | | |
| 11A | Ant1 | 5745 | 5745 17.862 5736.0490 | | 5753.9111 |
| | | 5785 17.982 | 5776.0090 | 5793.9910 | |
| | | 5825 | 17.942 | 5816.0090 | 5833.9510 |
| | | 5190 | 36.603 | 5171.8581 | 5208.4615 |
| 1111100100 | A n+1 | 5230 36.603 521 | 5211.7782 | 5248.3816 | |
| 11N40SISO | Ant1 | 5755 | 36.923 | 5736.6184 | 5773.5415 |
| | | 5795 | 37.003 | 5776.6184 | 5813.6214 |
| 44.4.0000100 | Ant1 | 5210 | 76.084 | 5172.1179 | 5248.2018 |
| 11AC80SISO | Ant1 | 5775 | 77.203 | 5736.6384 | 5813.8412 |



11.2.2. Test Graphs



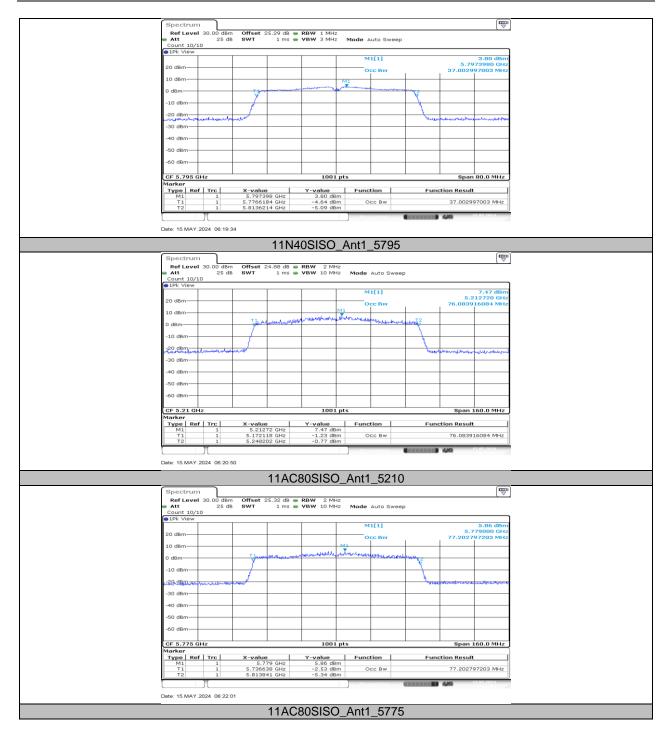














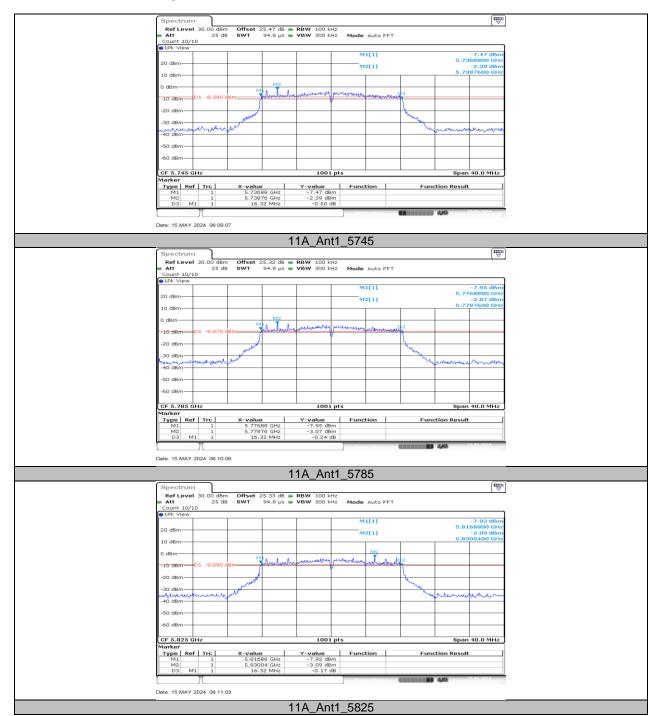
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11.3. APPENDIX C: MIN EMISSION BANDWIDTH 11.3.1. Test Result

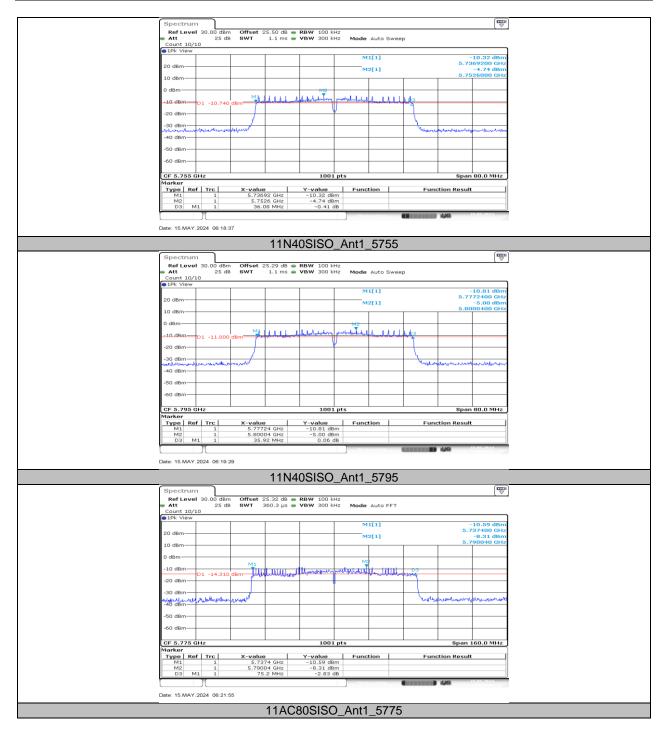
| Test Mode | Antenna | Frequency [MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit [MHz] | Verdict |
|------------|---------|--------------------|------------------|---------|---------|----------------|---------|
| 11A | | 5745 | 16.32 | 5736.88 | 5753.20 | ≥0.5 | PASS |
| | Ant1 | 5785 | 16.32 | 5776.88 | 5793.20 | ≥0.5 | PASS |
| | | 5825 | 16.32 | 5816.88 | 5833.20 | ≥0.5 | PASS |
| 11N40SISO | Ant1 | 5755 | 36.08 | 5736.92 | 5773.00 | ≥0.5 | PASS |
| | | 5795 | 35.92 | 5777.24 | 5813.16 | ≥0.5 | PASS |
| 11AC80SISO | Ant1 | 5775 | 75.20 | 5737.40 | 5812.60 | ≥0.5 | PASS |



11.3.2. Test Graphs







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11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER 11.4.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | Power [dBm] | FCC Limit [dBm] | ISED Limit [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
|------------|---------|----------------|----------------|-----------------------|------------------------|---------------|----------------|---------|
| | | 5180 | 11.92 | ≤23.98 | | 13.87 | ≤22.47 | PASS |
| | | 5200 | 11.33 | ≤23.98 | | 13.28 | ≤22.48 | PASS |
| 11A | A net1 | 5240 | 11.37 | ≤23.98 | | 13.32 | ≤22.49 | PASS |
| IIA | Ant1 | 5745 | 10.35 | ≤30.00 | ≤30.00 | 12.30 | | PASS |
| | | 5785 | 10.30 | ≤30.00 | ≤30.00 | 12.25 | | PASS |
| | | 5825 | 10.46 | ≤30.00 | ≤30.00 | 12.41 | | PASS |
| | A = 14 | 5190 | 10.97 | ≤23.98 | | 12.92 | ≤23.00 | PASS |
| 11N40SISO | | 5230 | 10.54 | ≤23.98 | | 12.49 | ≤23.00 | PASS |
| 1111405150 | Ant1 | 5755 | 10.06 | ≤30.00 | ≤30.00 | 12.01 | | PASS |
| | | 5795 | 10.17 | ≤30.00 | ≤30.00 | 12.12 | | PASS |
| 11AC80SISO | Ant1 | 5210 | 10.50 | ≤23.98 | | 12.45 | ≤23.00 | PASS |
| 11AC805150 | Anti | 5775 | 9.54 | ≤30.00 | ≤30.00 | 11.49 | | PASS |

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



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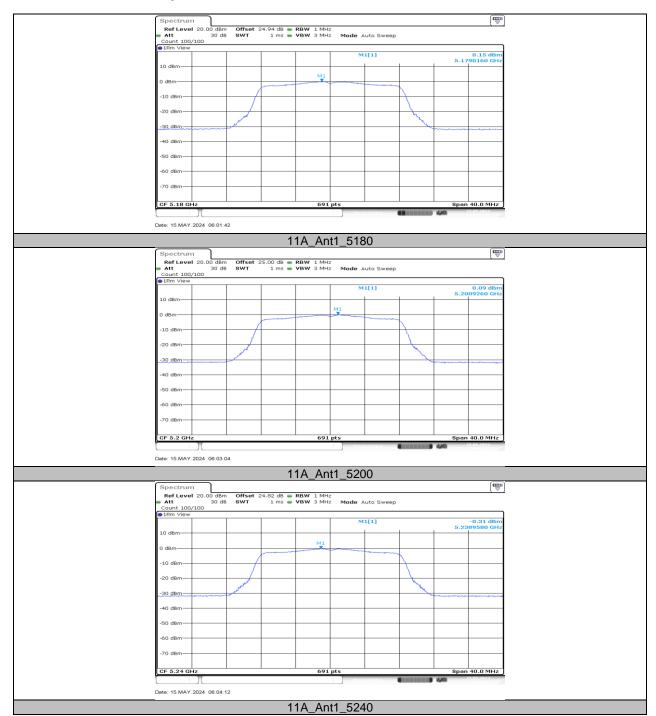
11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY 11.5.1. Test Result

| Test Mode | Antenna | Frequency[MHz] | Power [dBm/MHz] | Limit [dBm/MHz] | EIRP [dBm/MHz] | Limit [dBm/MHz] | Verdict |
|------------|---------|----------------|--------------------|--------------------|-------------------|--------------------|---------|
| | | 5180 | 0.15 | ≤11.00 | 2.10 | ≤10.00 | PASS |
| | | 5200 | 0.09 | ≤11.00 | 2.04 | ≤10.00 | PASS |
| 11A | Ant1 | 5240 | -0.31 | ≤11.00 | 1.64 | ≤10.00 | PASS |
| IIA | Anti | 5745 | -3.48 | ≤30.00 | -1.53 | | PASS |
| | | 5785 | -3.79 | ≤30.00 | -1.84 | | PASS |
| | | 5825 | -3.91 | ≤30.00 | -1.96 | | PASS |
| | A = 44 | 5190 | -3.29 | ≤11.00 | -1.34 | ≤10.00 | PASS |
| 11N40SISO | | 5230 | -3.76 | ≤11.00 | -1.81 | ≤10.00 | PASS |
| 1111403130 | Ant1 | 5755 | -7.30 | ≤30.00 | -5.35 | | PASS |
| | | 5795 | -7.35 | ≤30.00 | -5.40 | | PASS |
| 11AC80SISO | Ant1 | 5210 | -6.70 | ≤11.00 | -4.75 | ≤10.00 | PASS |
| TIACOUSISO | Ant1 | 5775 | -10.97 | ≤30.00 | -9.02 | | PASS |

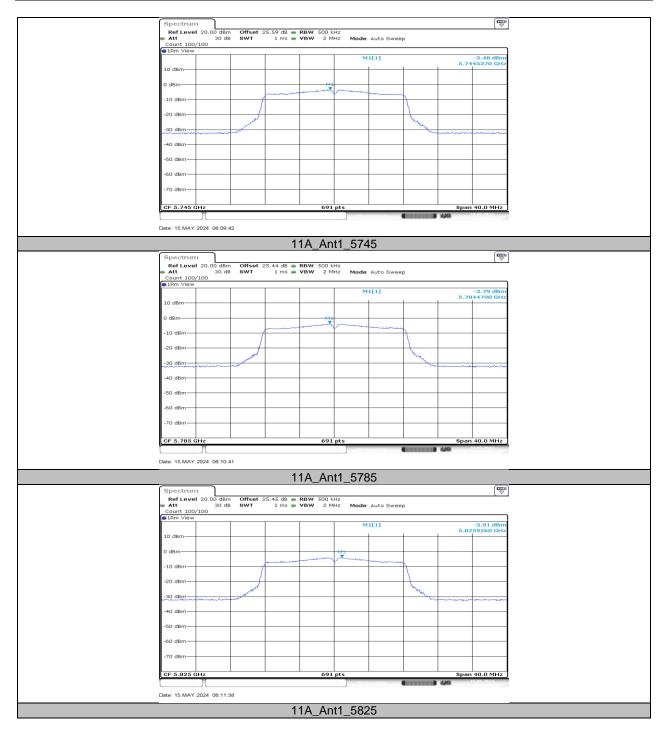
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz. 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.



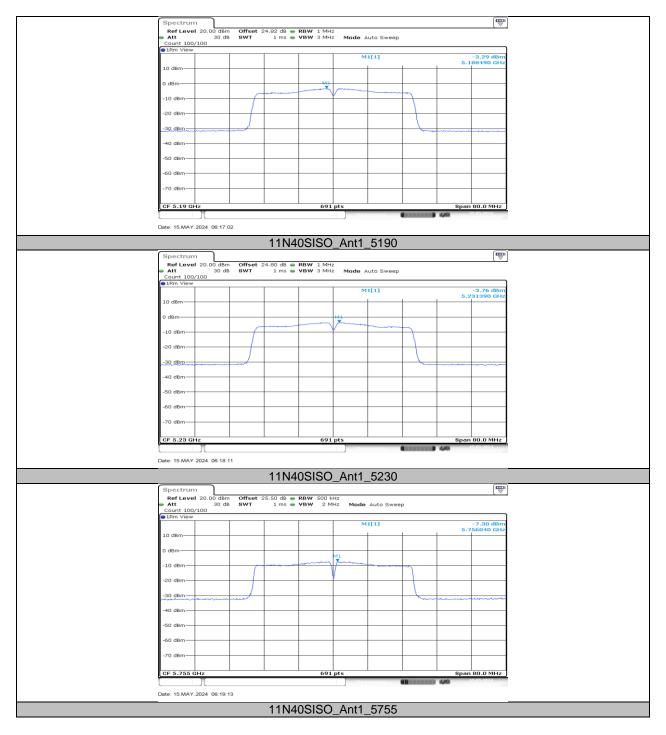
11.5.2. Test Graphs



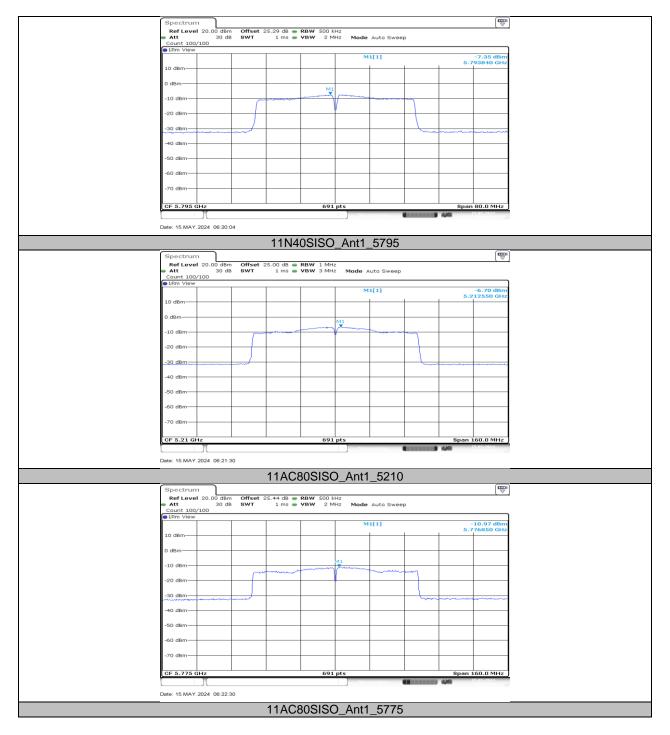












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11.6. APPENDIX I: FREQUENCY STABILITY 11.6.1. Test Result

| | Frequency Error vs. Voltage | | | | | | | | | | | |
|-----------------|---------------------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|--------------------|--|--|--|
| 802.11a:5200MHz | | | | | | | | | | | | |
| | | 0 Min | ute | 2 Minute | | 5 Mir | 5 Minute | | nute | | | |
| Temp. | Temp. Volt. | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | | | |
| TN | VL | 5199.9922 | -1.50 | 5199.9970 | -0.58 | 5199.9992 | -0.15 | 5199.9769 | -4.45 | | | |
| TN | VN | 5200.0012 | 0.24 | 5199.9790 | -4.04 | 5200.0124 | 2.38 | 5199.9767 | -4.48 | | | |
| TN | VH | 5199.9818 | -3.50 | 5200.0250 | 4.80 | 5199.9791 | -4.01 | 5200.0093 | 1.78 | | | |
| | Frequency Error vs. Temperature | | | | | | | | | | | |
| | 802.11a:5200MHz | | | | | | | | | | | |
| _ | | 0 Min | ute | 2 Minute | | 5 Minute | | 10 Minute | | | | |
| Temp. | Volt. | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | | | |
| 35 | VN | 5199.9946 | -1.04 | 5200.0099 | 1.91 | 5199.9811 | -3.63 | 5200.0048 | 0.93 | | | |
| 30 | VN | 5200.0007 | 0.13 | 5199.9838 | -3.12 | 5199.9793 | -3.98 | 5200.0050 | 0.96 | | | |
| 20 | VN | 5200.0094 | 1.80 | 5199.9852 | -2.84 | 5200.0056 | 1.08 | 5199.9796 | -3.92 | | | |
| 10 | VN | 5200.0145 | 2.79 | 5200.0108 | 2.07 | 5200.0083 | 1.60 | 5200.0181 | 3.47 | | | |
| 0 | VN | 5200.0037 | 0.70 | 5199.9878 | -2.35 | 5200.0048 | 0.92 | 5200.0020 | 0.38 | | | |

Note:

- 1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
- 2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.



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11.7. APPENDIX J: DUTY CYCLE 11.7.1. Test Result

| Test Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|------------|-------------------|------------------|-----------------------------|-------------------|--|--------------------------------|-----------------------------------|
| 11A | 1.38 | 1.42 | 0.9718 | 97.18 | 0.12 | 0.72 | 1 |
| 11N40SISO | 0.64 | 0.69 | 0.9275 | 92.75 | 0.33 | 1.56 | 2 |
| 11AC80SISO | 0.32 | 0.37 | 0.8649 | 86.49 | 0.63 | 3.13 | 4 |

Note:

Duty Cycle Correction Factor=10log (1/x).

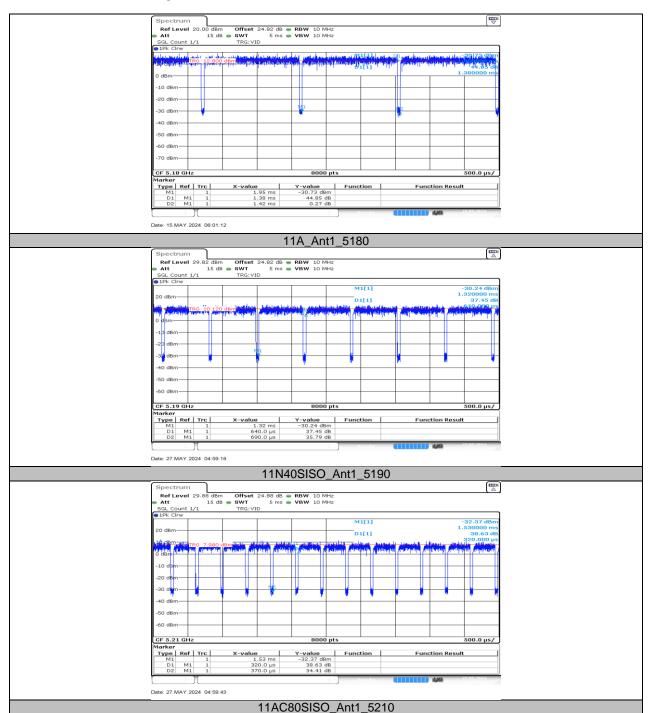
Where: x is Duty Cycle (Linear)

Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.7.2. Test Graphs



END OF REPORT