# FCC Part 15.407
# RSS-247 ISSUE 3, August 2023
# RSS-GEN Issue 5, February 2021 Amendment 2
# TEST REPORT

For

## Fortinet, Inc.

**909 Kifer Road, Sunnyvale, CA 94086, USA**

**FCC ID: TVE-FON780B**
**IC: 7280B-FON780B**

| **Report Type:** | **Product Type:** |
|---|---|
| Original Report | FortiFone 780B |

**Report Producer :** Coco Lin

**Report Number :** RXZ250213056RF03

**Report Date :** 2025-05-26

**Reviewed By:** Andy Shih

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# Revision History

| Revision | No. | Report Number | Issue Date | Description | Author/ Revised by |
|---|---|---|---|---|---|
| 0.0 | RXZ250213056 | RXZ250213056RF03 | 2025-05-26 | Original Report | Coco Lin |

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# 1 General Information

## 1.1 Product Description for Equipment under Test (EUT)

| | |
|---|---|
| Applicant | Fortinet, Inc. |
| | 909 Kifer Road, Sunnyvale, CA 94086, USA |
| Brand(Trade) Name | FORTINET |
| Product (Equipment) / PMN | FortiFone 780B |
| Main Model Name | FON-780B |
| HVIN | FON-780B |
| Series Model Name<br>(Only FCC) | FON-780Bxxxxxxxxxx, FortiFone 780Bxxxxxxxxxx, FORTIFONE 780Bxxxxxxxxxx (where "x" can be used as "0-9", or"A-Z",or"_", or blank for software changes or marketing purpose only) |
| Frequency Range | 5180 MHz ~ 5240 MHz, 5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5700 MHz, 5745 MHz ~ 5825 MHz<br>Note: frequency range 5600-5650MHz can`t be used in Canada |
| Maximum Conducted Average Output Power | 5180-5240 MHz: 13.79 dBm<br>5260-5320 MHz: 13.88 dBm<br>5500-5700 MHz: 13.07 dBm<br>5745-5825 MHz: 12.36 dBm |
| Modulation Technique | OFDM |
| Power Operation<br>(Voltage Range) | 12Vdc from Adapter, 48Vdc from POE |
| Sample Received Date | 2025/03/24 |

*All measurement and test data in this report was gathered from production sample serial number: RXZ250213056-1(Assigned by BACL, New Taipei Laboratory).

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## 1.2 Objective

This report is prepared on behalf of *Fortinet, Inc.* in accordance with Part 2, Subpart J, Part 15, Subparts A, and E of the Federal Communication Commission's rules and RSS-247 Issue 3, August 2023 and RSS-GEN Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices. And RSS-247 Issue 3, August 2023 and RSS-GEN Issue 5, February 2021 Amendment 2 of the Innovation, Science and Economic Development Canada.
KDB 789033 D02 General UNII Test Procedures New Rules v02r01

## 1.4 Statement

Decision Rule: No, (The test results do not include MU judgment)

1. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory).
2. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.
3. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
4. The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.
5. Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

## 1.5 Measurement Uncertainty

| Parameter | | Uncertainty |
|---|---|---|
| AC Mains | | +/- 2.53 dB |
| RF output power, conducted | | +/- 3.74 dB |
| Power Spectral Density, conducted | | +/- 0.58 dB |
| Occupied Bandwidth | | +/- 0.09 % |
| Unwanted Emissions, conducted | | +/- 1.13 dB |
| Emissions, radiated | 9 kHz~30 MHz | +/- 3.54 dB |
| | 30 MHz~1 GHz | +/- 4.99 dB |
| | 1 GHz~18 GHz | +/- 7.56 dB |
| | 18 GHz~40 GHz | +/- 5.06 dB |
| Temperature | | +/- 0.79 °C |
| Humidity | | +/- 0.44 % |

*Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.*

## 1.6 Environmental Conditions

| Test Site | Test Date | Temperature (℃) | Relative Humidity (%) | Test Engineer |
|---|---|---|---|---|
| AC Line Conducted Emissions | 2025/5/5 | 19.2 | 46 | Sean |
| Radiation Spurious Emissions | 2025/4/17~2025/5/7 | 23.3~24.6 | 57~68 | Nick |
| Duty Cycle | 2025/4/16 | 25.9 | 47 | Jing |
| 26dB attenuated below the channel power | 2025/4/25 | 25.7 | 57 | Jing |
| Emission Bandwidth And Occupied Bandwidth | 2025/4/25 | 25.7 | 57 | Jing |
| Maximum Output Power | 2025/4/16~2025/4/25 | 25.5~26.7 | 44~57 | Jing |
| Power Spectral Density | 2025/4/25 | 25.7 | 57 | Jing |

## 1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) to collect test data is located on

☒70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 221, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3732) and the FCC designation No.TW3732 under the Mutual Recognition Agreement (MRA) in FCC Test.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: TW3732.

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# 2 System Test Configuration

## 2.1 Description of Test Configuration

The system supports 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80 mode.

Since the 802.11n ht20/n ht40 parameters are the same as 802.11ac vht20 and ac vht40, 802.11n ht20/n ht40 is reduced.

**For 5150 ~ 5250MHz**

4 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 36 | 5180 | 44 | 5220 |
| 40 | 5200 | 48 | 5240 |

2 channels are provided for 802.11n HT40, 802.11ac VHT40:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 38 | 5190 | 46 | 5230 |

1 channel is provided for 802.11ac VHT80:

| Channel | Frequency (MHz) |
|---|---|
| 42 | 5210 |

802.11a mode Channel 36, 40, 48 were tested.

802.11ac40 mode Channel 38, 46 were tested.

802.11ac80 mode Channel 42 was tested.

**For 5250 ~ 5350MHz**

4 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 52 | 5260 | 60 | 5300 |
| 56 | 5280 | 64 | 5320 |

2 channels are provided for 802.11n HT40, 802.11ac VHT40:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 54 | 5270 | 62 | 5310 |

1 channel is provided for 802.11ac VHT80:

| Channel | Frequency (MHz) |
|---|---|
| 58 | 5290 |

802.11a/ac20 mode Channel 52, 60, 64 were tested.

802.11ac40 mode Channel 54, 62 were tested.

802.11ac80 mode Channel 58 was tested.

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**For 5470 ~ 5725MHz**

Note: *frequency range 5600-5650MHz can`t be used in Canada.

11 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 100 | 5500 | 124 | 5620* |
| 104 | 5520 | 128 | 5640* |
| 108 | 5540 | 132 | 5660 |
| 112 | 5560 | 136 | 5680 |
| 116 | 5580 | 140 | 5700 |
| 120 | 5600* | / | / |

5 channels are provided for 802.11n HT40, 802.11ac VHT40:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 102 | 5510 | 126 | 5630* |
| 110 | 5550 | 134 | 5670 |
| 118 | 5590* | / | / |

2 channels are provided for 802.11ac VHT80:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 106 | 5530 | 122 | 5610* |

802.11a/ac20 mode Channel 100, 116, 140 were tested.

802.11ac40 mode Channel 102, 110, 134 were tested.

802.11ac80 mode Channel 106, 122 was tested.

**For 5725 ~ 5825MHz:**

5 channels are provided for 802.11a, 802.11n HT20, 802.11ac VHT20:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 149 | 5745 | 161 | 5805 |
| 153 | 5765 | 165 | 5825 |
| 157 | 5785 | / | / |

2 channels are provided for 802.11n HT40, 802.11ac VHT40:

| Channel | Frequency (MHz) | Channel | Frequency (MHz) |
|---|---|---|---|
| 151 | 5755 | 159 | 5795 |

1 channel is provided for 802.11ac VHT80:

| Channel | Frequency (MHz) |
|---|---|
| 155 | 5775 |

802.11a/ac20 mode Channel 149, 157, 165 were tested.

802.11ac40 mode Channel 151, 159 were tested.

802.11ac80 mode Channel 155 was tested.

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## 2.2 EUT Exercise Software

The test software was used “adb v1.0.41”

The system was configured for testing in an engineering mode, which is provided by Applicant.

| UNII Band | Mode | Channel | Frequency (MHz) | Power Setting |
|---|---|---|---|---|
| UNII-1 | 802.11a | 36 | 5180 | 12 |
| | | 40 | 5200 | 12 |
| | | 48 | 5240 | 12 |
| UNII-2A | | 52 | 5260 | 12 |
| | | 60 | 5300 | 12 |
| | | 64 | 5320 | 12 |
| UNII-2C | | 100 | 5500 | 12 |
| | | 116 | 5580 | 12 |
| | | 140 | 5700 | 12 |
| UNII-3 | | 149 | 5745 | 12 |
| | | 157 | 5785 | 12 |
| | | 165 | 5825 | 12 |
| UNII-1 | 802.11n HT20 / 802.11ac VHT20 | 36 | 5180 | 12 |
| | | 40 | 5200 | 12 |
| | | 48 | 5240 | 12 |
| UNII-2A | | 52 | 5260 | 12 |
| | | 60 | 5300 | 12 |
| | | 64 | 5320 | 12 |
| UNII-2C | | 100 | 5500 | 12 |
| | | 116 | 5580 | 12 |
| | | 140 | 5700 | 12 |
| UNII-3 | | 149 | 5745 | 12 |
| | | 157 | 5785 | 12 |
| | | 165 | 5825 | 12 |
| UNII-1 | 802.11n HT40 / 802.11ac VHT40 | 38 | 5190 | 11 |
| | | 46 | 5230 | 11 |
| UNII-2A | | 54 | 5270 | 11 |
| | | 62 | 5310 | 11 |
| UNII-2C | | 102 | 5510 | 11 |
| | | 110 | 5550 | 11 |
| | | 134 | 5670 | 11 |
| UNII-3 | | 151 | 5755 | 11 |
| | | 159 | 5795 | 11 |
| UNII-1 | 802.11ac VHT80 | 42 | 5210 | 13 |
| UNII-2A | | 58 | 5290 | 13 |
| UNII-2C | | 106 | 5530 | 13 |
| | | 122 | 5610 | 13 |
| UNII-3 | | 155 | 5775 | 13 |

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The worst case data rates are as follows:

802.11a Mode :6Mbps

802.11ac VHT20 Mode: MCS0

802.11ac VHT40 Mode: MCS0

802.11ac VHT80 Mode: MCS0

## 2.3 Equipment Modifications

No modification was made to the EUT.

## 2.4 Test Mode

Pre-scan

AC Line Conducted Emissions and Radiated Spurious Emissions

Mode 1: FON-780B + Adapter

Mode 2: FON-780B + POE

Worst case is the Mode 1: FON-780B + Adapter

Mode 1: FON-780B + Adapter tested all measure item.

Mode 2: FON-780B + POE test Below 1GHz Radiated Spurious Emissions and AC Line Conducted Emissions.

## 2.5 Support Equipment List and Details

| Description | Manufacturer | Model Number |
|---|---|---|
| NB | DELL | E6410 |
| POE Adapter | Cisco | SB-PWR-INJ2 |
| Adapter | Zhuznou Dachuan Electronic Technology Co., Ltd | DCT18W120150US-A0 |

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## 2.6 External Cable List and Details

| Description | Manufacturer | Model Number |
|---|---|---|
| USB Cable | BACL | 1.5m |
| RJ-45 Cable | BACL | 8m |
| RJ-45 Cable | BACL | 8m |
| RJ-11 Cable | BACL | 1m |
| RJ-11 Cable | Dongguan Haoyu Yong Industrial Co., Ltd. | 4C2.8mP+P B019# |

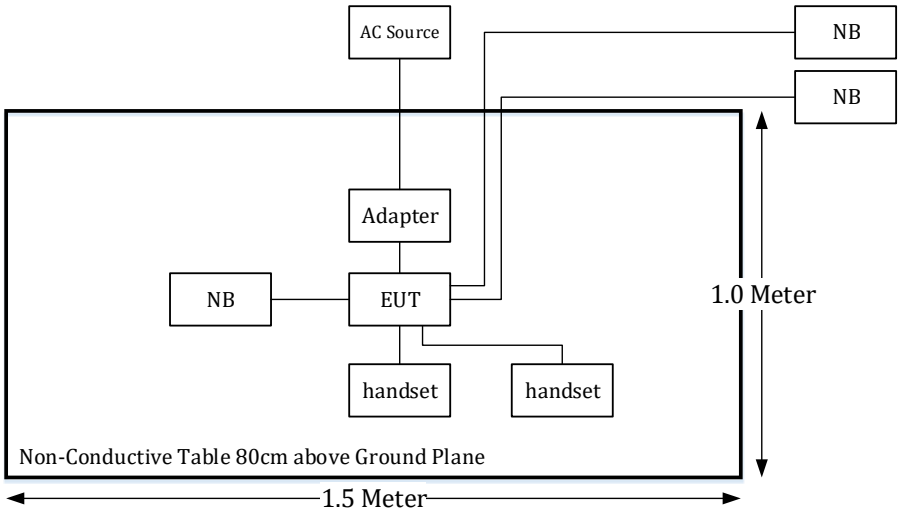
## 2.7 Block Diagram of Test Setup

See test photographs attached in setup photos for the actual connections between EUT and support equipment.

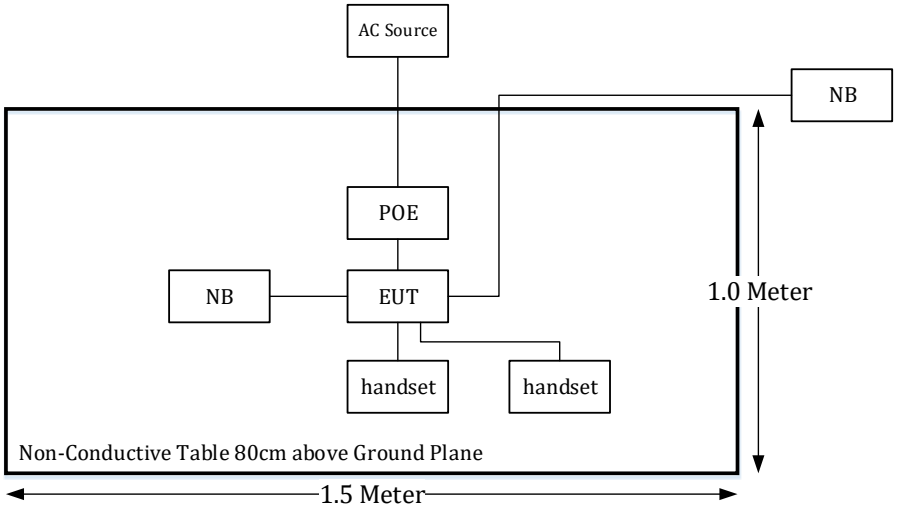
### Radiation:

Below 1GHz

Adapter:




POE:

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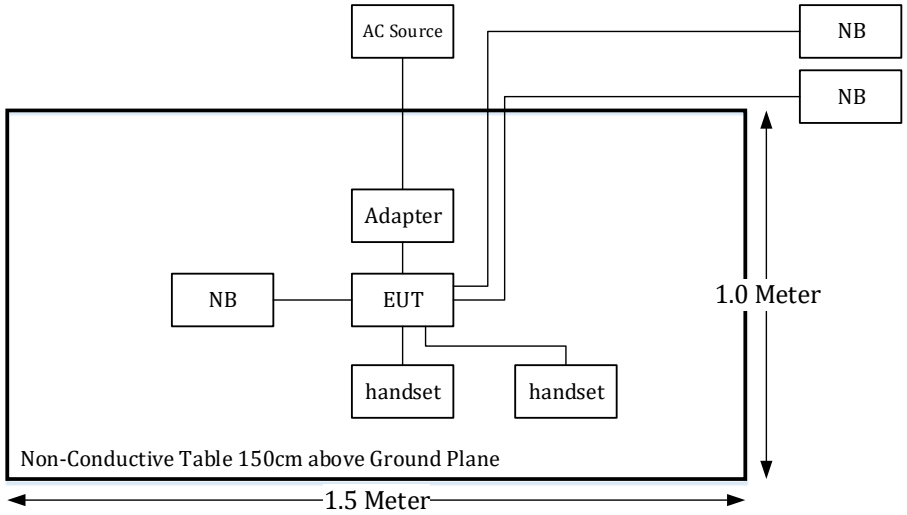
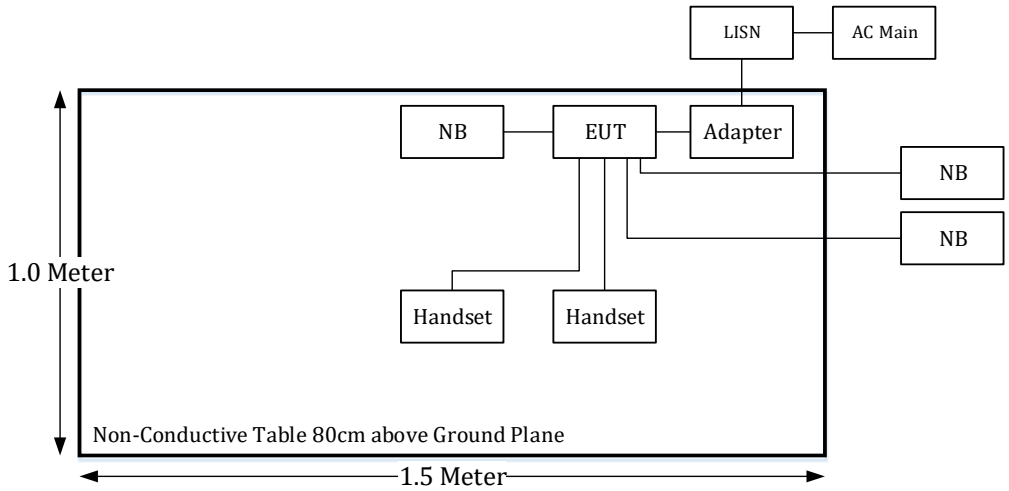
Above 1GHz:

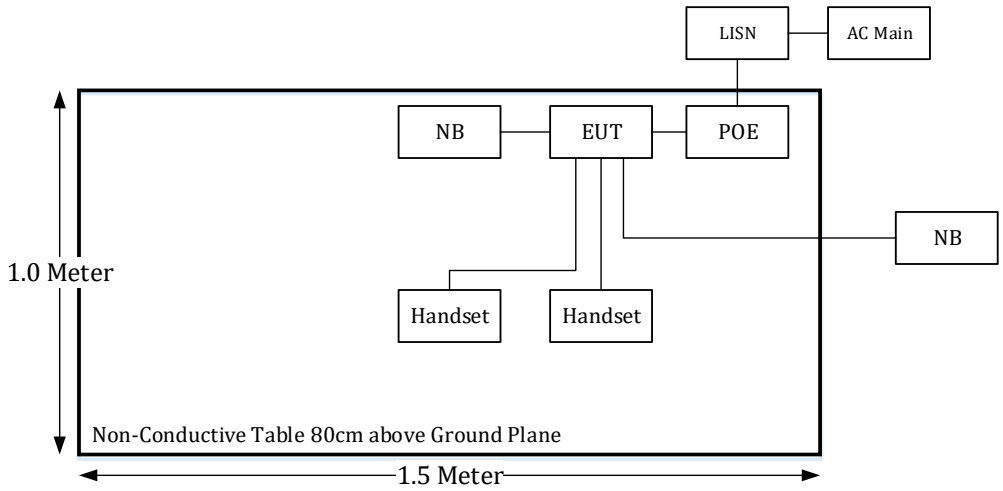



## Conduction:

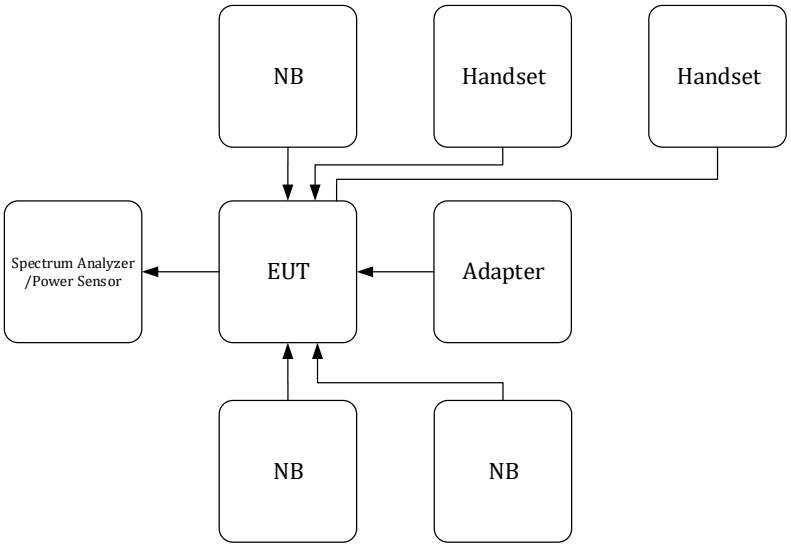
Adapter:



POE:




## Conducted:



## 2.8 Duty Cycle

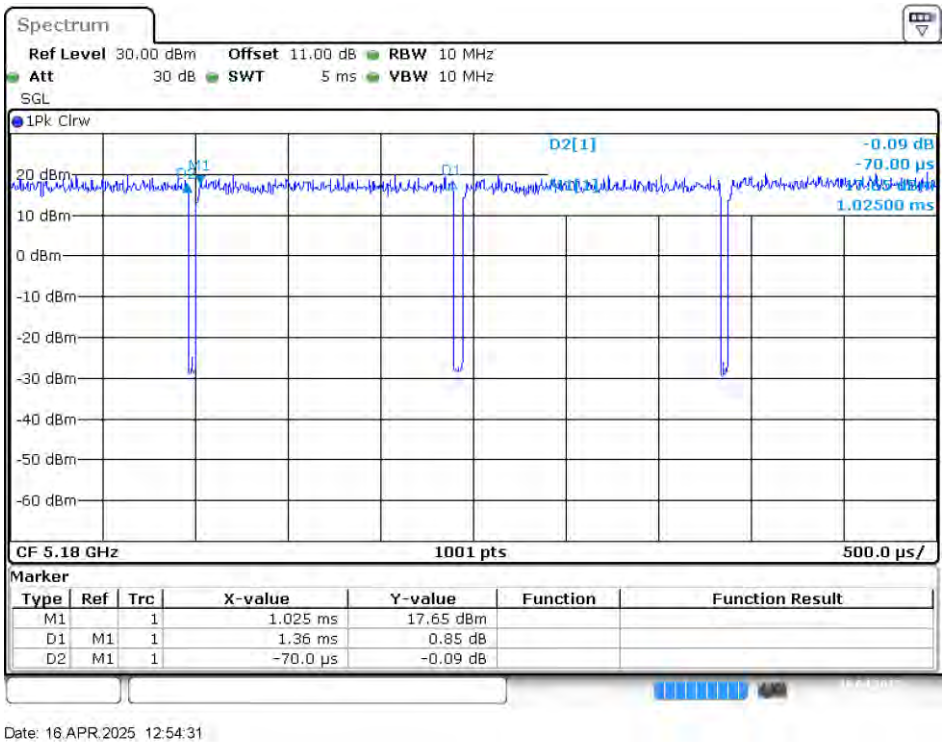
The duty cycle as below:

| Radio Mode | On Time (ms) | Off Time (ms) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T (kHz) | VBW Setting (kHz) |
|---|---|---|---|---|---|---|
| 802.11a | 1.36 | 0.07 | 95 | 0.22 | 0.74 | 1 |
| 802.11ac 20 | 1.292 | 0.073 | 95 | 0.22 | 0.77 | 1 |
| 802.11ac 40 | 1.316 | 0.045 | 97 | 0.13 | 0.76 | 1 |
| 802.11ac 80 | 0.314 | 0.052 | 86 | 0.66 | 3.18 | 5 |

Note: Duty Cycle Correction Factor = 10*log(1/duty cycle)

Please refer to the following plots.

**802.11a Mode**

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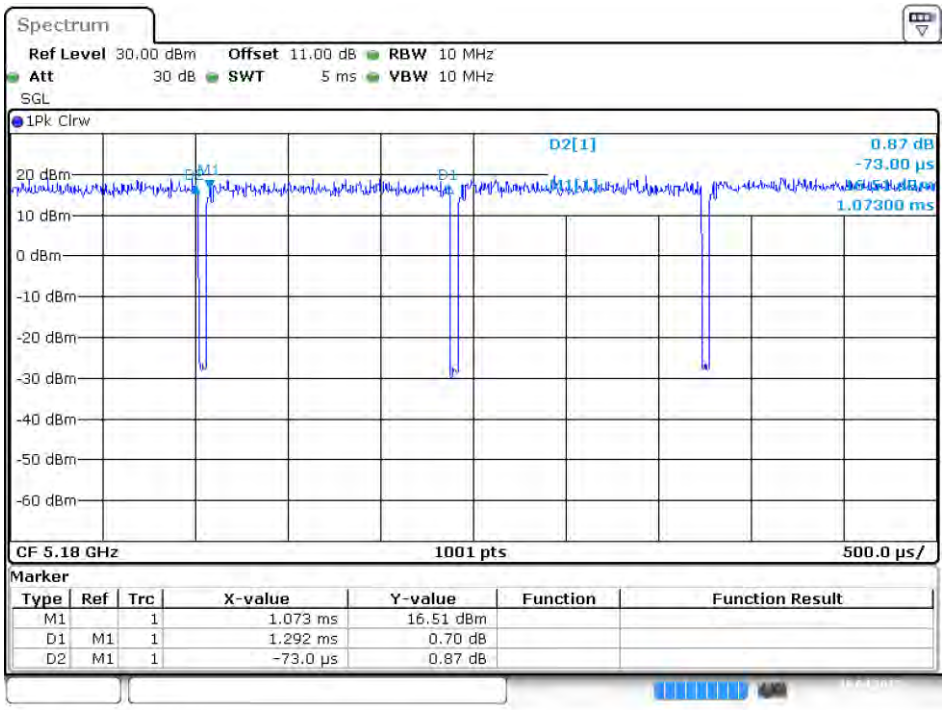
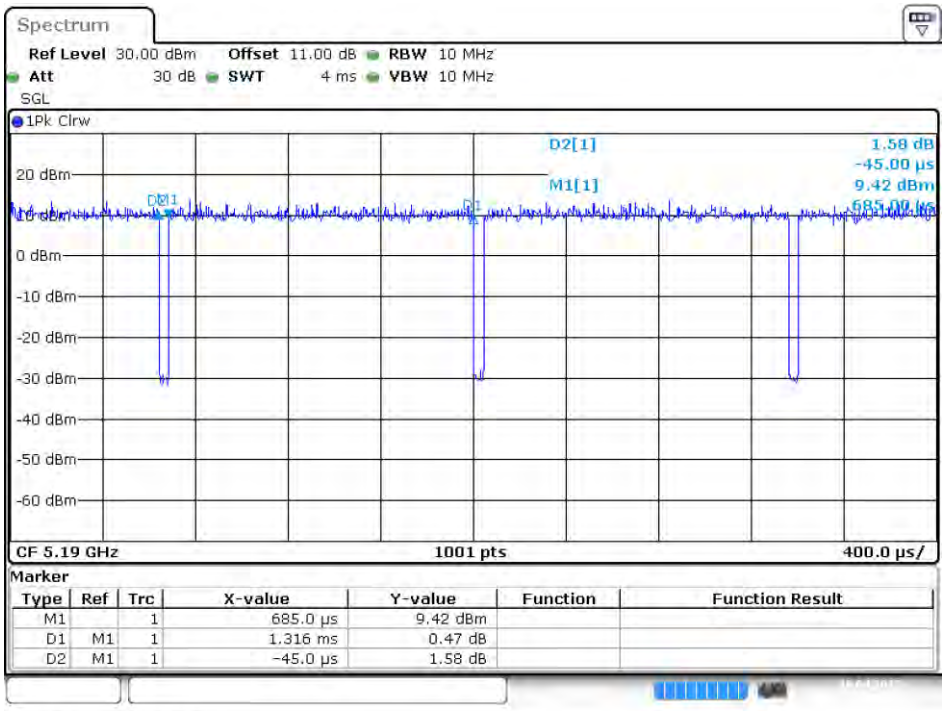
## 802.11ac VHT20 Mode




Date: 16.APR.2025 13:06:04

## 802.11ac VHT40 Mode




Date: 16.APR.2025 13:09:36

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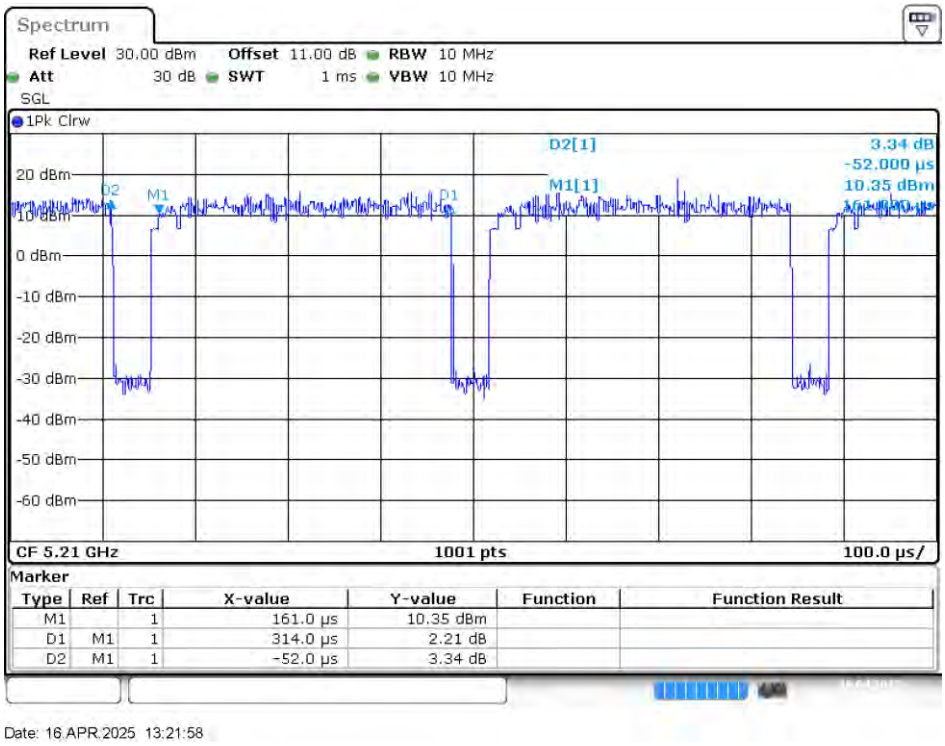
## 802.11ac VHT80 Mode

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# 3 Summary of Test Results

| Standard(s) Section | Description of Test | Results |
|---|---|---|
| §15.203<br>RSS-GEN §6.8 | Antenna Requirement | Compliance |
| §15.407(b)(9) & §15.207(a)<br>RSS- GEN §8.8 | AC Line Conducted Emissions | Compliance |
| §15.205 & §15.209 & §15.407(b)<br>RSS-247 §6.2<br>RSS-GEN §8.9<br>RSS-GEN §8.10 | Unwanted Emission | Compliance |
| RSS-247 §6.2.1.2 | 26dB Attenuated Below The Channel Power | Compliance |
| §15.407(a)(e)<br>RSS-247 §6.2<br>RSS- GEN §6.7 | Emission Bandwidth | Compliance |
| §15.407(a)<br>RSS-247 §6.2 | Conducted Transmitter Output Power | Compliance |
| §15.407(a)<br>RSS-247 §6.2 | Power Spectral Density | Compliance |
| RSS-247 §6.4 | Additional requirements | Compliance |

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# 4 Test Equipment List and Details

| Description | Manufacturer | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| AC Line Conduction Room (CON-A) | | | | | |
| LISN | Rohde & Schwarz | ENV216 | 101612 | 2025/2/17 | 2026/2/17 |
| EMI Test Receiver | Rohde & Schwarz | ESW8 | 100947 | 2024/5/24 | 2025/5/24 |
| RF Cable | EMEC | EM-CB5D | 1 | 2024/6/5 | 2025/6/5 |
| Software | AUDIX | E3 | V9.150826k | N.C.R | N.C.R |
| Radiation 3M Room (966-A) | | | | | |
| Active Loop Antenna | ETS-Lindgren | 6502 | 35796 | 2025/3/27 | 2026/3/27 |
| Bilog Antenna with 6 dB Attenuator | SUNOL SCIENCES & MINI-CIRCUITS | JB6/UNAT-6+ | A050115/15542_01 | 2025/1/16 | 2026/1/16 |
| Double Ridged Guide Horn Antenna | A.H. system | SAS-571 | 1020 | 2024/5/21 | 2025/5/21 |
| Horn Antenna | ETS-Lindgren | 3116 | 62638 | 2024/8/30 | 2025/8/30 |
| Preamplifier | Sonoma | 310N | 130602 | 2024/6/18 | 2025/6/18 |
| Preamplifier | Channel | ERA-100M-18G-01D1748 | EC2300051 | 2025/4/10 | 2026/4/10 |
| Preamplifier | BACL | BACL-1313-A1840 | 4011511 | 2025/2/12 | 2026/2/12 |
| Spectrum Analyzer | Rohde & Schwarz | FSV40 | 101939 | 2025/3/27 | 2026/3/27 |
| EMI Test Receiver | Rohde & Schwarz(R&S) | ESR3 | 102099 | 2024/6/24 | 2025/6/24 |
| Microflex Cable | UTIFLEX | UFB197C-1-2362-70U-70U | 225757-001 | 2024/12/20 | 2025/12/20 |
| Coaxial Cable | UTIFLEX | UFB311A-Q-1440-300300 | 220490-006 | 2024/12/20 | 2025/12/20 |
| Coaxial Cable | COMMATE | PEWC | 8Dr | 2024/12/20 | 2025/12/20 |
| Cable | EMC | EMC105-SM-SM-10000 | 201003 | 2024/12/20 | 2025/12/20 |
| Coaxial Cable | JUNFLON | J12J102248-00-B-5 | AUG-07-15-044 | 2024/12/20 | 2025/12/20 |
| Coaxial Cable | ROSNOL | K1K50-UP0264-K1K50-450CM | 160309-1 | 2025/1/21 | 2026/1/21 |
| Microflex Cable | ROSNOL | K1K50-UP0264-K1K50-80CM | 160309-2 | 2025/1/21 | 2026/1/21 |
| Band-stop filter | SinoSciTe | BSF5150-5850MN-0899-002 | 001 | 2024/10/19 | 2025/10/19 |
| High-pass filter | XINGBOKEJI | XBLBQ-GTA29 | 200121-3-26 | 2024/10/19 | 2025/10/19 |
| Software | AUDIX | E3 | 18621a | N.C.R | N.C.R |
| Conducted Room | | | | | |
| Spectrum Analyzer | Rohde & Schwarz(R&S) | FSV40 | 101204 | 2024/5/30 | 2025/5/30 |
| Cable | UTIFLEX | UFA210A | 9435 | 2024/10/1 | 2025/10/1 |
| Power Sensor | Agilent | U2021XA | MY54080018 | 2025/2/5 | 2026/2/5 |
| Attenuator | MCL | BW-S10W5+ | 1419 | 2025/3/6 | 2026/3/6 |

***Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirements.

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# 5 FCC §15.203 & RSS-GEN §6.8 – Antenna Requirements

## 5.1 Applicable Standard

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used.

According to RSS-Gen §6.8, The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. fo transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

For expediting the testing, measurements may be performed using only the antenna with highest gain of each combination of transmitter and antenna type, with the transmitter output power set at the maximum level. However, the transmitter shall comply with the applicable requirements under all operational conditions and when in combination with any type of antenna from the list provided in the test report (and in the notice to be included in the user manual, provided below).

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested. For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

This radio transmitter [enter the device's ISED certification number] has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Immediately following the above notice, the manufacturer shall provide a list of all antenna types which can be used with the transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna type.

## 5.2 Antenna Information

| Manufacturer | Antenna Type | Antenna Gain (dBi) | Input impedance |
|---|---|---|---|
| Dongguan YiJia Electronics Communication Technology Co.,Ltd. | FPC Antenna | 5150~5250 MHz: 5.2<br>5250~5350 MHz: 4.5<br>5470~5725 MHz: 4.0<br>5725~5850 MHz: 4.3 | 50Ω |

Unit uses a unique coupling to the intentional radiator.

**Result: Compliance**

# 6 FCC §15.407(b)(9), §15.207(a) & RSS-GEN §8 – AC Line Conducted Emissions

## 6.1 Applicable Standard

As per FCC §15.407(b) (9)

Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207

RSS-Gen Clause 8.8

Unless stated otherwise in the applicable RSS, for radio apparatus that are designed to be connected to the public utility AC power network, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the range 150 kHz to 30 MHz shall not exceed the limits in table 4, as measured using a 50 μH / 50 Ω line impedance stabilization network. This requirement applies for the radio frequency voltage measured between each power line and the ground terminal of each AC power-line mains cable of the EUT.

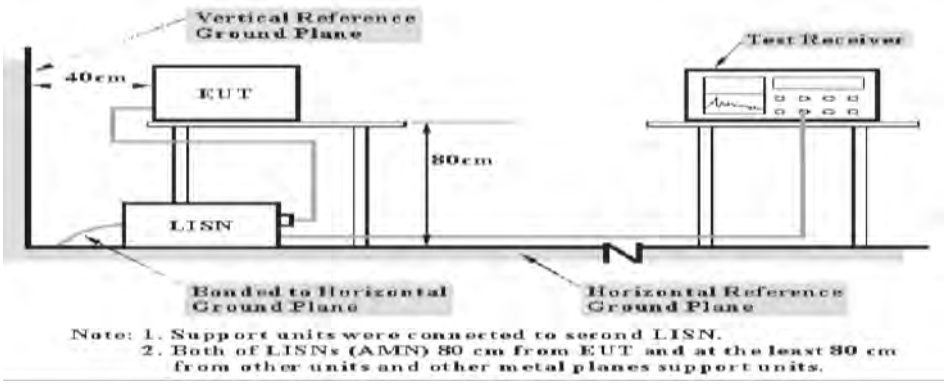
For an EUT that connects to the AC power lines indirectly, through another device, the requirement for compliance with the limits in table 4 shall apply at the terminals of the AC power-line mains cable of a representative support device, while it provides power to the EUT. The lower limit applies at the boundary between the frequency ranges. The device used to power the EUT shall be representative of typical applications.

**The lower limit applies at the boundary between the frequencies ranges.**

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|---|---|---|
| | Quasi-Peak | Average |
| 0.15-0.5 | 66 to 56 Note 1 | 56 to 46 Note 1 |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Note 1: Decreases with the logarithm of the frequency.*

## 6.2 EUT Setup




The setup of EUT is according with per ANSI C63.10-2013 measurement procedure. The specification used was with the FCC Part 15.207 and RSS-GEN limits.

## 6.3 EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150kHz to 30MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations

| Frequency Range | IF B/W |
|---|---|
| 150kHz – 30MHz | 9kHz |

## 6.4 Test Procedure

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

## 6.5 Corrected Factor & Over Limit Calculation

The factor is calculated by adding LISN/ISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation. The basic equation is as follows:

Factor = LISN VDF + Cable Loss + Transient Limiter Attenuation

The “Over Limit” column of the following data tables indicates the degree of compliance with the applicable limit. For example, an over limit of -7 dB means the emission is 7 dB below the limit. The equation for Over Limit calculation is as follows:

Over Limit = Result – Limit Line

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

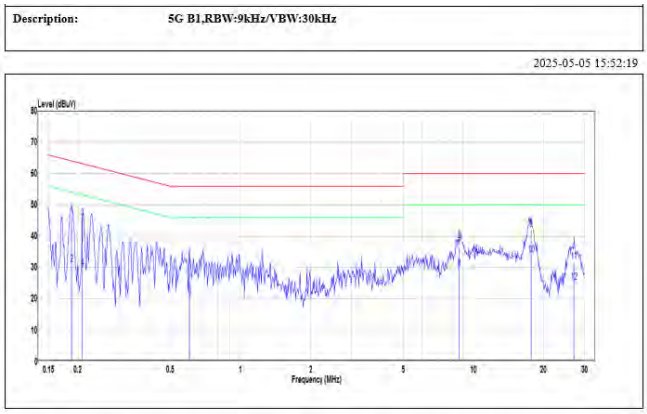
## 6.6 Test Results

Test Mode: Transmitting

**Main: AC120 V, 60 Hz**

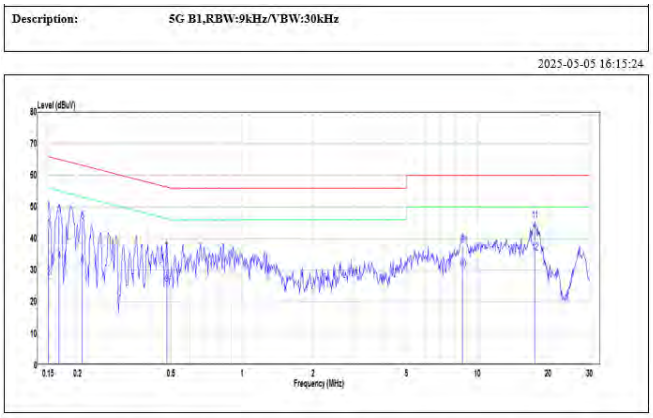
Adapter:
Worst case is 802.11a mode 5200 MHz

### Band 1 Line




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.188 | 36.37 | 10.17 | 46.54 | 64.11 | -17.57 | QP | Line |
| 2 | 0.188 | 20.88 | 10.17 | 31.05 | 54.11 | -23.06 | Average | Line |
| 3 | 0.209 | 35.47 | 10.23 | 45.69 | 63.23 | -17.53 | QP | Line |
| 4 | 0.209 | 19.56 | 10.23 | 29.78 | 53.23 | -23.45 | Average | Line |
| 5 | 0.604 | 18.49 | 10.44 | 28.93 | 56.00 | -27.07 | QP | Line |
| 6 | 0.604 | 10.27 | 10.44 | 20.71 | 46.00 | -25.29 | Average | Line |
| 7 | 8.683 | 26.04 | 10.61 | 36.65 | 60.00 | -23.35 | QP | Line |
| 8 | 8.683 | 18.90 | 10.61 | 29.51 | 50.00 | -20.49 | Average | Line |
| 9 | 17.661 | 31.37 | 10.77 | 42.15 | 60.00 | -17.85 | QP | Line |
| 10 | 17.661 | 23.30 | 10.77 | 34.07 | 50.00 | -15.93 | Average | Line |
| 11 | 26.984 | 21.23 | 10.78 | 32.01 | 60.00 | -27.99 | QP | Line |
| 12 | 26.984 | 14.62 | 10.78 | 25.40 | 50.00 | -24.60 | Average | Line |

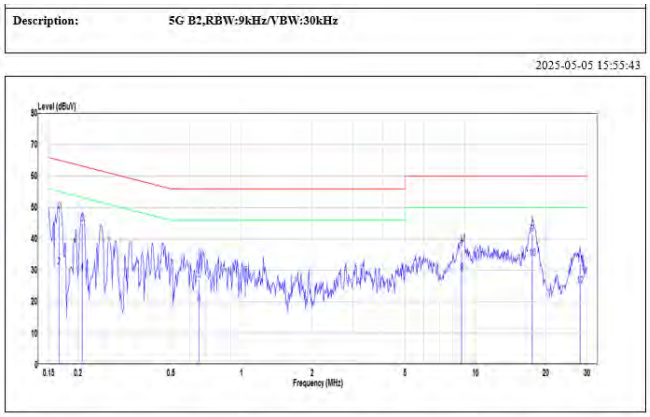
### Band 1 Neutral




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.151 | 33.34 | 9.98 | 43.32 | 65.96 | -22.64 | QP | Neutral |
| 2 | 0.151 | 17.99 | 9.98 | 27.97 | 55.96 | -27.99 | Average | Neutral |
| 3 | 0.167 | 37.59 | 10.05 | 47.63 | 65.12 | -17.49 | QP | Neutral |
| 4 | 0.167 | 22.91 | 10.05 | 32.96 | 55.12 | -22.16 | Average | Neutral |
| 5 | 0.209 | 35.27 | 10.19 | 45.45 | 63.23 | -17.78 | QP | Neutral |
| 6 | 0.209 | 21.22 | 10.19 | 31.41 | 53.23 | -21.82 | Average | Neutral |
| 7 | 0.479 | 25.33 | 10.36 | 35.70 | 56.36 | -20.66 | QP | Neutral |
| 8 | 0.479 | 15.19 | 10.36 | 25.56 | 46.36 | -20.80 | Average | Neutral |
| 9 | 8.637 | 27.21 | 10.58 | 37.79 | 60.00 | -22.21 | QP | Neutral |
| 10 | 8.637 | 19.59 | 10.58 | 30.17 | 50.00 | -19.83 | Average | Neutral |
| 11 | 17.568 | 35.00 | 10.72 | 45.71 | 60.00 | -14.29 | QP | Neutral |
| 12 | 17.568 | 24.92 | 10.72 | 35.64 | 50.00 | -14.36 | Average | Neutral |

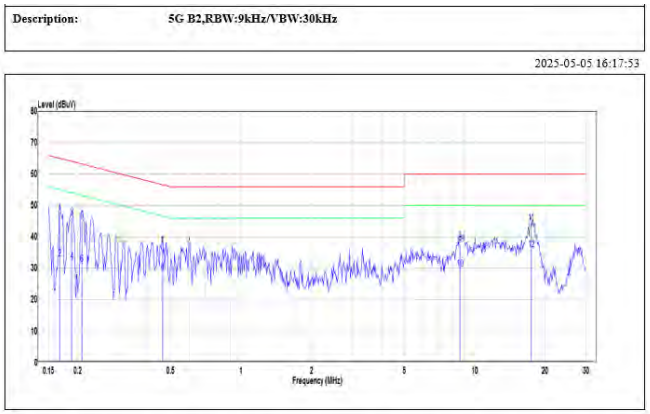
Worst case is 802.11a mode 5320 MHz

### Band 2 Line




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.166 | 37.44 | 10.08 | 47.53 | 65.16 | -17.64 | QP | Line |
| 2 | 0.166 | 21.03 | 10.08 | 31.11 | 55.16 | -24.06 | Average | Line |
| 3 | 0.208 | 34.77 | 10.23 | 44.99 | 63.27 | -18.28 | QP | Line |
| 4 | 0.208 | 19.11 | 10.23 | 29.33 | 53.27 | -23.94 | Average | Line |
| 5 | 0.658 | 16.66 | 10.45 | 27.11 | 56.00 | -28.89 | QP | Line |
| 6 | 0.658 | 8.69 | 10.45 | 19.14 | 46.00 | -26.86 | Average | Line |
| 7 | 8.729 | 26.05 | 10.61 | 36.66 | 60.00 | -23.34 | QP | Line |
| 8 | 8.729 | 18.55 | 10.61 | 29.16 | 50.00 | -20.84 | Average | Line |
| 9 | 17.475 | 30.72 | 10.77 | 41.49 | 60.00 | -18.51 | QP | Line |
| 10 | 17.475 | 23.15 | 10.77 | 33.92 | 50.00 | -16.08 | Average | Line |
| 11 | 28.003 | 21.17 | 10.79 | 31.96 | 60.00 | -28.04 | QP | Line |
| 12 | 28.003 | 14.33 | 10.79 | 25.12 | 50.00 | -24.88 | Average | Line |

### Band 2 Neutral




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.168 | 37.59 | 10.05 | 47.64 | 65.08 | -17.43 | QP | Neutral |
| 2 | 0.168 | 22.85 | 10.05 | 32.90 | 55.08 | -22.18 | Average | Neutral |
| 3 | 0.188 | 35.96 | 10.13 | 46.10 | 64.11 | -18.01 | QP | Neutral |
| 4 | 0.188 | 22.07 | 10.13 | 32.20 | 54.11 | -21.91 | Average | Neutral |
| 5 | 0.208 | 34.85 | 10.19 | 45.04 | 63.27 | -18.24 | QP | Neutral |
| 6 | 0.208 | 21.14 | 10.19 | 31.33 | 53.27 | -21.95 | Average | Neutral |
| 7 | 0.461 | 26.57 | 10.35 | 36.93 | 56.67 | -19.74 | QP | Neutral |
| 8 | 0.461 | 18.29 | 10.35 | 28.64 | 46.67 | -18.03 | Average | Neutral |
| 9 | 8.637 | 26.59 | 10.58 | 37.17 | 60.00 | -22.83 | QP | Neutral |
| 10 | 8.637 | 19.21 | 10.58 | 29.79 | 50.00 | -20.21 | Average | Neutral |
| 11 | 17.475 | 33.79 | 10.72 | 44.50 | 60.00 | -15.50 | QP | Neutral |
| 12 | 17.475 | 25.21 | 10.72 | 35.92 | 50.00 | -14.08 | Average | Neutral |

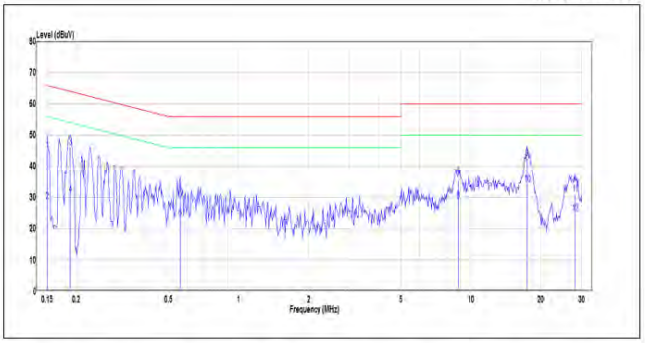
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

Worst case is 802.11a mode 5500 MHz

## Band 3 Line

Description: 5G B3,RBW:9kHz/VBW:30kHz

2025-05-05 15:58:08

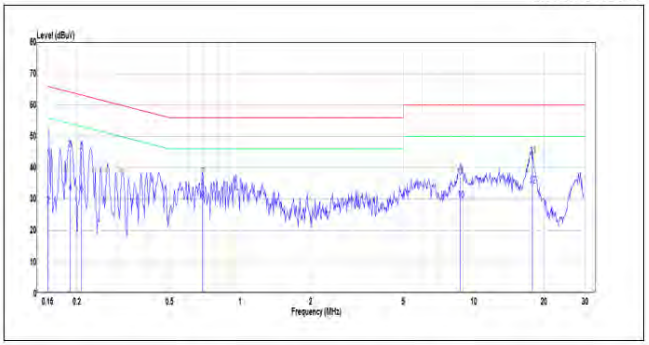



| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.150 | 35.14 | 9.97 | 45.11 | 66.00 | -20.89 | QP | Line |
| 2 | 0.150 | 18.66 | 9.97 | 28.63 | 56.00 | -27.37 | Average | Line |
| 3 | 0.188 | 36.03 | 10.17 | 46.20 | 64.11 | -17.90 | QP | Line |
| 4 | 0.188 | 20.77 | 10.17 | 30.95 | 54.11 | -23.16 | Average | Line |
| 5 | 0.561 | 20.42 | 10.44 | 30.86 | 56.00 | -25.14 | QP | Line |
| 6 | 0.561 | 13.00 | 10.44 | 23.44 | 46.00 | -22.56 | Average | Line |
| 7 | 8.822 | 25.22 | 10.61 | 35.84 | 60.00 | -24.16 | QP | Line |
| 8 | 8.822 | 18.38 | 10.61 | 28.99 | 50.00 | -21.01 | Average | Line |
| 9 | 17.475 | 31.82 | 10.77 | 42.59 | 60.00 | -17.41 | QP | Line |
| 10 | 17.475 | 23.56 | 10.77 | 34.33 | 50.00 | -15.67 | Average | Line |
| 11 | 28.152 | 20.33 | 10.79 | 31.12 | 60.00 | -28.88 | QP | Line |
| 12 | 28.152 | 14.05 | 10.79 | 24.84 | 50.00 | -25.16 | Average | Line |

## Band 3 Neutral

Description: 5G B3,RBW:9kHz/VBW:30kHz

2025-05-05 16:20:44



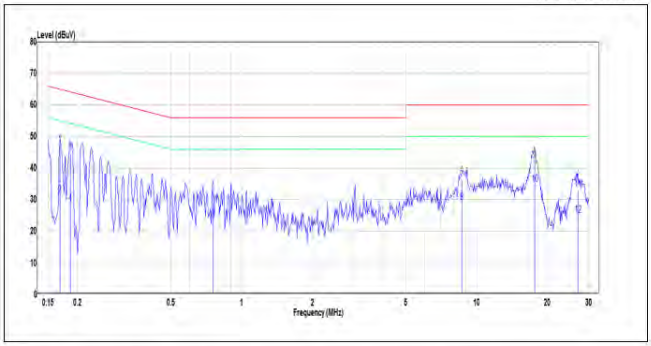

| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.151 | 33.10 | 9.98 | 43.08 | 65.96 | -22.87 | QP | Neutral |
| 2 | 0.151 | 17.81 | 9.98 | 27.79 | 55.96 | -28.16 | Average | Neutral |
| 3 | 0.187 | 35.66 | 10.13 | 45.79 | 64.15 | -18.36 | QP | Neutral |
| 4 | 0.187 | 21.73 | 10.13 | 31.86 | 54.15 | -22.29 | Average | Neutral |
| 5 | 0.209 | 35.16 | 10.19 | 45.34 | 63.23 | -17.88 | QP | Neutral |
| 6 | 0.209 | 21.35 | 10.19 | 31.54 | 53.23 | -21.69 | Average | Neutral |
| 7 | 0.690 | 26.68 | 10.41 | 37.10 | 56.00 | -18.90 | QP | Neutral |
| 8 | 0.690 | 19.06 | 10.41 | 29.48 | 46.00 | -16.52 | Average | Neutral |
| 9 | 8.776 | 26.53 | 10.58 | 37.12 | 60.00 | -22.88 | QP | Neutral |
| 10 | 8.776 | 18.96 | 10.58 | 29.54 | 50.00 | -20.46 | Average | Neutral |
| 11 | 17.849 | 33.02 | 10.72 | 43.74 | 60.00 | -16.26 | QP | Neutral |
| 12 | 17.849 | 23.44 | 10.72 | 34.16 | 50.00 | -15.84 | Average | Neutral |

Worst case is 802.11a mode 5745 MHz

## Band 4 Line

Description: 5G B4,RBW:9kHz/VBW:30kHz

2025-05-05 16:00:10

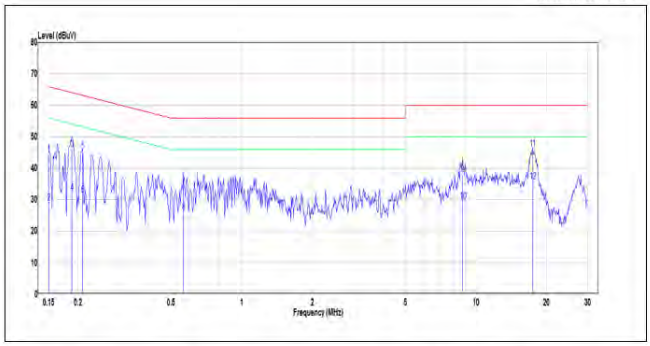



| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.169 | 37.40 | 10.09 | 47.49 | 65.03 | -17.54 | QP | Line |
| 2 | 0.169 | 21.42 | 10.09 | 31.52 | 55.03 | -23.52 | Average | Line |
| 3 | 0.186 | 34.61 | 10.17 | 44.77 | 64.20 | -19.42 | QP | Line |
| 4 | 0.186 | 18.62 | 10.17 | 28.78 | 54.20 | -25.41 | Average | Line |
| 5 | 0.755 | 18.78 | 10.47 | 29.24 | 56.00 | -26.76 | QP | Line |
| 6 | 0.755 | 13.01 | 10.47 | 23.48 | 46.00 | -22.52 | Average | Line |
| 7 | 8.637 | 25.53 | 10.61 | 36.14 | 60.00 | -23.86 | QP | Line |
| 8 | 8.637 | 18.57 | 10.61 | 29.18 | 50.00 | -20.82 | Average | Line |
| 9 | 17.661 | 31.49 | 10.77 | 42.26 | 60.00 | -17.74 | QP | Line |
| 10 | 17.661 | 24.16 | 10.77 | 34.93 | 50.00 | -15.07 | Average | Line |
| 11 | 26.984 | 22.33 | 10.78 | 33.12 | 60.00 | -26.88 | QP | Line |
| 12 | 26.984 | 14.41 | 10.78 | 25.20 | 50.00 | -24.80 | Average | Line |

## Band 4 Neutral

Description: 5G B4,RBW:9kHz/VBW:30kHz

2025-05-05 16:23:17




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.150 | 34.43 | 9.89 | 44.32 | 66.00 | -21.68 | QP | Neutral |
| 2 | 0.150 | 19.12 | 9.89 | 29.01 | 56.00 | -26.99 | Average | Neutral |
| 3 | 0.188 | 35.84 | 10.13 | 45.97 | 64.11 | -18.14 | QP | Neutral |
| 4 | 0.188 | 21.99 | 10.13 | 32.13 | 54.11 | -21.98 | Average | Neutral |
| 5 | 0.209 | 35.15 | 10.19 | 45.33 | 63.23 | -17.90 | QP | Neutral |
| 6 | 0.209 | 21.29 | 10.19 | 31.47 | 53.23 | -21.75 | Average | Neutral |
| 7 | 0.564 | 23.65 | 10.39 | 34.04 | 56.00 | -21.96 | QP | Neutral |
| 8 | 0.564 | 15.65 | 10.39 | 26.04 | 46.00 | -19.96 | Average | Neutral |
| 9 | 8.776 | 27.21 | 10.58 | 37.79 | 60.00 | -22.21 | QP | Neutral |
| 10 | 8.776 | 18.76 | 10.58 | 29.34 | 50.00 | -20.66 | Average | Neutral |
| 11 | 17.475 | 35.54 | 10.72 | 46.26 | 60.00 | -13.74 | QP | Neutral |
| 12 | 17.475 | 25.05 | 10.72 | 35.77 | 50.00 | -14.23 | Average | Neutral |

Note:

Result = Read Level + Factor

Over Limit = Result – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

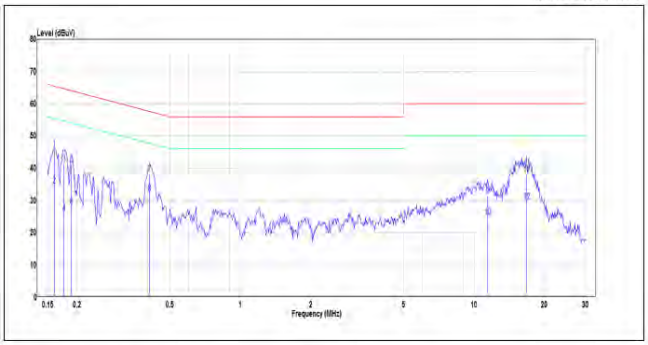
PoE:

Worst case is 802.11a mode 5200 MHz

Band 1 Line

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 16:59:08

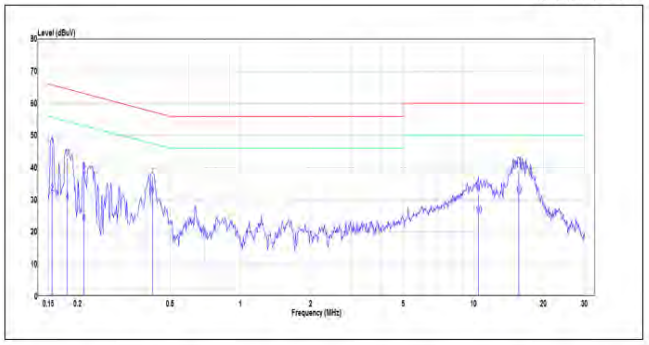



| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.160 | 36.10 | 10.06 | 46.16 | 65.47 | -19.32 | QP | Line |
| 2 | 0.160 | 24.61 | 10.06 | 34.67 | 55.47 | -20.80 | Average | Line |
| 3 | 0.176 | 31.37 | 10.12 | 41.50 | 64.68 | -23.18 | QP | Line |
| 4 | 0.176 | 16.00 | 10.12 | 26.12 | 54.68 | -28.56 | Average | Line |
| 5 | 0.189 | 31.12 | 10.18 | 41.30 | 64.06 | -22.76 | QP | Line |
| 6 | 0.189 | 17.99 | 10.18 | 28.16 | 54.06 | -25.90 | Average | Line |
| 7 | 0.408 | 27.95 | 10.36 | 38.31 | 57.68 | -19.37 | QP | Line |
| 8 | 0.408 | 21.85 | 10.36 | 32.21 | 47.68 | -15.48 | Average | Line |
| 9 | 11.438 | 20.92 | 10.66 | 31.58 | 60.00 | -28.42 | QP | Line |
| 10 | 11.438 | 14.19 | 10.66 | 24.85 | 50.00 | -25.15 | Average | Line |
| 11 | 16.750 | 27.31 | 10.76 | 38.07 | 60.00 | -21.93 | QP | Line |
| 12 | 16.750 | 18.99 | 10.76 | 29.75 | 50.00 | -20.25 | Average | Line |

Band 1 Neutral

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 16:45:32



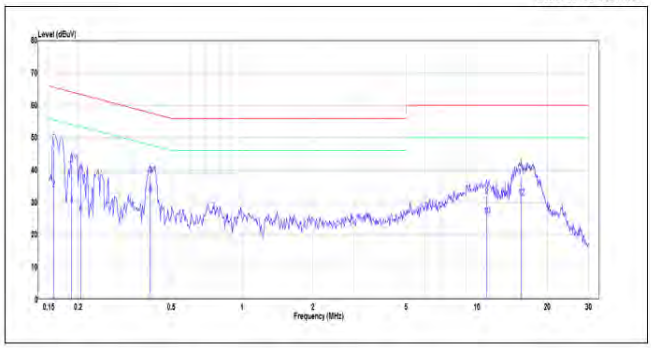

| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.156 | 36.78 | 10.00 | 46.78 | 65.69 | -18.91 | QP | Neutral |
| 2 | 0.156 | 22.00 | 10.00 | 32.01 | 55.69 | -23.68 | Average | Neutral |
| 3 | 0.181 | 32.93 | 10.10 | 43.03 | 64.46 | -21.43 | QP | Neutral |
| 4 | 0.181 | 19.38 | 10.10 | 29.48 | 54.46 | -24.98 | Average | Neutral |
| 5 | 0.213 | 28.74 | 10.19 | 38.93 | 63.10 | -24.17 | QP | Neutral |
| 6 | 0.213 | 12.54 | 10.19 | 22.72 | 53.10 | -30.37 | Average | Neutral |
| 7 | 0.419 | 27.03 | 10.32 | 37.35 | 57.46 | -20.12 | QP | Neutral |
| 8 | 0.419 | 21.15 | 10.32 | 31.47 | 47.46 | -15.99 | Average | Neutral |
| 9 | 10.508 | 21.12 | 10.61 | 31.73 | 60.00 | -28.27 | QP | Neutral |
| 10 | 10.508 | 14.70 | 10.61 | 25.31 | 50.00 | -24.69 | Average | Neutral |
| 11 | 15.635 | 28.64 | 10.71 | 39.35 | 60.00 | -20.65 | QP | Neutral |
| 12 | 15.635 | 20.72 | 10.71 | 31.43 | 50.00 | -18.57 | Average | Neutral |

Worst case is 802.11a mode 5320 MHz

Band 2 Line

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 17:06:29

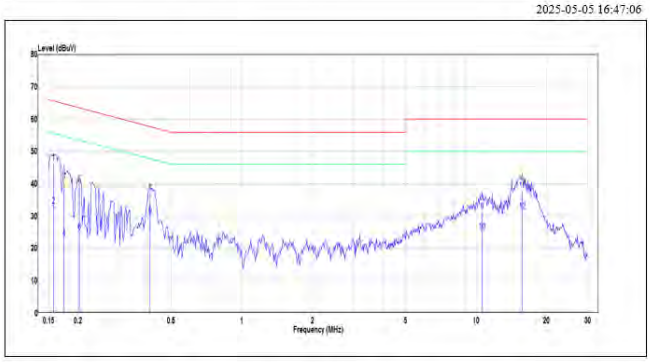



| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.157 | 36.43 | 10.05 | 46.48 | 65.60 | -19.13 | QP | Line |
| 2 | 0.157 | 24.00 | 10.05 | 34.05 | 55.60 | -21.55 | Average | Line |
| 3 | 0.187 | 31.52 | 10.17 | 41.69 | 64.15 | -22.46 | QP | Line |
| 4 | 0.187 | 19.12 | 10.17 | 29.29 | 54.15 | -24.87 | Average | Line |
| 5 | 0.205 | 28.95 | 10.22 | 39.17 | 63.40 | -24.23 | QP | Line |
| 6 | 0.205 | 16.26 | 10.22 | 26.48 | 53.40 | -26.92 | Average | Line |
| 7 | 0.406 | 27.92 | 10.36 | 38.28 | 57.73 | -19.44 | QP | Line |
| 8 | 0.406 | 22.15 | 10.36 | 32.51 | 47.73 | -15.22 | Average | Line |
| 9 | 11.021 | 21.30 | 10.65 | 31.95 | 60.00 | -28.05 | QP | Line |
| 10 | 11.021 | 15.26 | 10.65 | 25.92 | 50.00 | -24.08 | Average | Line |
| 11 | 15.470 | 27.08 | 10.75 | 37.83 | 60.00 | -22.17 | QP | Line |
| 12 | 15.470 | 20.71 | 10.75 | 31.46 | 50.00 | -18.54 | Average | Line |

Band 2 Neutral

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 16:47:06




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.157 | 36.36 | 10.01 | 46.37 | 65.60 | -19.23 | QP | Neutral |
| 2 | 0.157 | 23.23 | 10.01 | 33.23 | 55.60 | -22.37 | Average | Neutral |
| 3 | 0.174 | 30.71 | 10.08 | 40.78 | 64.77 | -23.99 | QP | Neutral |
| 4 | 0.174 | 12.99 | 10.08 | 23.07 | 54.77 | -31.70 | Average | Neutral |
| 5 | 0.203 | 29.71 | 10.18 | 39.89 | 63.49 | -23.60 | QP | Neutral |
| 6 | 0.203 | 15.02 | 10.18 | 25.20 | 53.49 | -28.29 | Average | Neutral |
| 7 | 0.406 | 26.90 | 10.31 | 37.20 | 57.73 | -20.52 | QP | Neutral |
| 8 | 0.406 | 19.99 | 10.31 | 30.30 | 47.73 | -17.43 | Average | Neutral |
| 9 | 10.620 | 20.95 | 10.61 | 31.57 | 60.00 | -28.43 | QP | Neutral |
| 10 | 10.620 | 14.65 | 10.61 | 25.27 | 50.00 | -24.73 | Average | Neutral |
| 11 | 15.718 | 27.19 | 10.71 | 37.89 | 60.00 | -22.11 | QP | Neutral |
| 12 | 15.718 | 20.90 | 10.71 | 31.61 | 50.00 | -18.39 | Average | Neutral |

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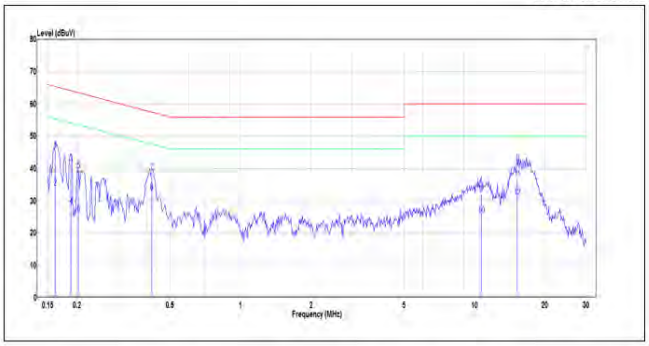
Worst case is 802.11a mode 5500 MHz

## Band 3 Line

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 17:08:00

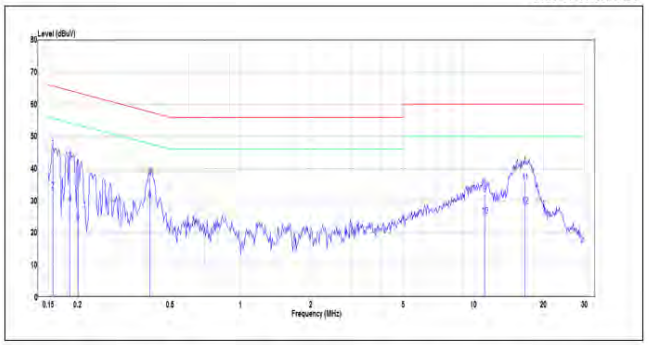



| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.162 | 35.68 | 10.07 | 45.75 | 65.38 | -19.63 | QP | Line |
| 2 | 0.162 | 24.04 | 10.07 | 34.11 | 55.38 | -21.28 | Average | Line |
| 3 | 0.188 | 31.37 | 10.17 | 41.54 | 64.11 | -22.57 | QP | Line |
| 4 | 0.188 | 18.16 | 10.17 | 28.33 | 54.11 | -25.78 | Average | Line |
| 5 | 0.203 | 29.40 | 10.22 | 39.62 | 63.49 | -23.87 | QP | Line |
| 6 | 0.203 | 15.90 | 10.22 | 26.12 | 53.49 | -27.37 | Average | Line |
| 7 | 0.417 | 28.62 | 10.37 | 38.99 | 57.51 | -18.52 | QP | Line |
| 8 | 0.417 | 22.35 | 10.37 | 32.72 | 47.51 | -14.79 | Average | Line |
| 9 | 10.676 | 21.44 | 10.65 | 32.09 | 60.00 | -27.91 | QP | Line |
| 10 | 10.676 | 14.96 | 10.65 | 25.61 | 50.00 | -24.39 | Average | Line |
| 11 | 15.226 | 26.13 | 10.75 | 36.88 | 60.00 | -23.12 | QP | Line |
| 12 | 15.226 | 20.37 | 10.75 | 31.12 | 50.00 | -18.88 | Average | Line |

## Band 3 Neutral

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 16:49:00



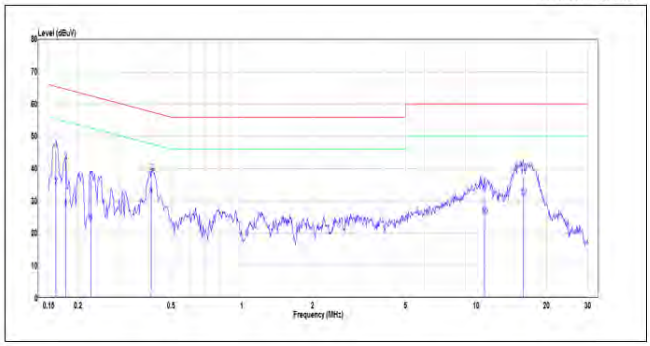

| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.156 | 36.50 | 10.01 | 46.51 | 65.65 | -19.14 | QP | Neutral |
| 2 | 0.156 | 23.15 | 10.01 | 33.15 | 55.65 | -22.50 | Average | Neutral |
| 3 | 0.185 | 32.32 | 10.12 | 42.44 | 64.24 | -21.80 | QP | Neutral |
| 4 | 0.185 | 19.04 | 10.12 | 29.16 | 54.24 | -25.08 | Average | Neutral |
| 5 | 0.201 | 29.46 | 10.18 | 39.64 | 63.58 | -23.94 | QP | Neutral |
| 6 | 0.201 | 13.59 | 10.18 | 23.77 | 53.58 | -29.81 | Average | Neutral |
| 7 | 0.408 | 27.15 | 10.31 | 37.46 | 57.68 | -20.22 | QP | Neutral |
| 8 | 0.408 | 19.95 | 10.31 | 30.26 | 47.68 | -17.42 | Average | Neutral |
| 9 | 11.198 | 21.50 | 10.63 | 32.12 | 60.00 | -27.88 | QP | Neutral |
| 10 | 11.198 | 14.68 | 10.63 | 25.31 | 50.00 | -24.69 | Average | Neutral |
| 11 | 16.661 | 25.08 | 10.71 | 35.79 | 60.00 | -24.21 | QP | Neutral |
| 12 | 16.661 | 17.73 | 10.71 | 28.44 | 50.00 | -21.56 | Average | Neutral |

Worst case is 802.11a mode 5745 MHz

## Band 4 Line

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 17:09:36

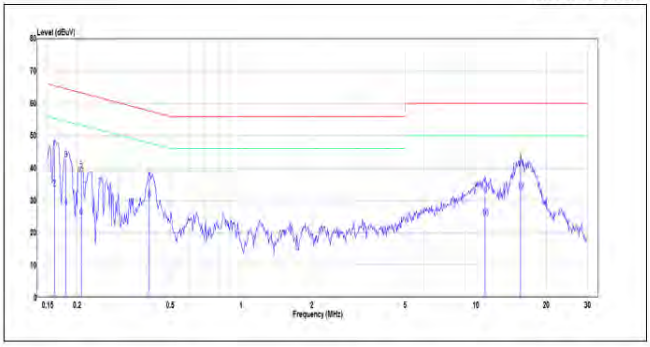



| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.161 | 35.77 | 10.06 | 45.83 | 65.43 | -19.59 | QP | Line |
| 2 | 0.161 | 24.40 | 10.06 | 34.46 | 55.43 | -20.97 | Average | Line |
| 3 | 0.177 | 31.97 | 10.13 | 42.10 | 64.64 | -22.54 | QP | Line |
| 4 | 0.177 | 17.63 | 10.13 | 27.76 | 54.64 | -26.88 | Average | Line |
| 5 | 0.227 | 26.39 | 10.24 | 36.63 | 62.57 | -25.94 | QP | Line |
| 6 | 0.227 | 13.17 | 10.24 | 23.41 | 52.57 | -29.16 | Average | Line |
| 7 | 0.410 | 28.36 | 10.36 | 38.72 | 57.64 | -18.92 | QP | Line |
| 8 | 0.410 | 21.42 | 10.36 | 31.78 | 47.64 | -15.86 | Average | Line |
| 9 | 10.847 | 21.36 | 10.65 | 32.01 | 60.00 | -27.99 | QP | Line |
| 10 | 10.847 | 14.71 | 10.65 | 25.36 | 50.00 | -24.64 | Average | Line |
| 11 | 15.885 | 26.81 | 10.76 | 37.57 | 60.00 | -22.43 | QP | Line |
| 12 | 15.885 | 20.30 | 10.76 | 31.06 | 50.00 | -18.94 | Average | Line |

## Band 4 Neutral

Description: POE,RBW:9kHz/VBW:30kHz

2025-05-05 16:52:02




| No. | Frequency | Reading | Correct Factor | Result | Limit | Over limit | Remark | Phase |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | | |
| 1 | 0.160 | 36.14 | 10.02 | 46.16 | 65.47 | -19.31 | QP | Neutral |
| 2 | 0.160 | 23.79 | 10.02 | 33.81 | 55.47 | -21.66 | Average | Neutral |
| 3 | 0.179 | 32.59 | 10.09 | 42.69 | 64.55 | -21.86 | QP | Neutral |
| 4 | 0.179 | 17.89 | 10.09 | 27.98 | 54.55 | -26.57 | Average | Neutral |
| 5 | 0.208 | 29.30 | 10.19 | 39.49 | 63.27 | -23.78 | QP | Neutral |
| 6 | 0.208 | 14.87 | 10.19 | 25.06 | 53.27 | -28.21 | Average | Neutral |
| 7 | 0.406 | 26.63 | 10.31 | 36.94 | 57.73 | -20.79 | QP | Neutral |
| 8 | 0.406 | 20.19 | 10.31 | 30.50 | 47.73 | -17.23 | Average | Neutral |
| 9 | 10.963 | 20.85 | 10.62 | 31.47 | 60.00 | -28.53 | QP | Neutral |
| 10 | 10.963 | 14.07 | 10.62 | 24.69 | 50.00 | -25.31 | Average | Neutral |
| 11 | 15.552 | 29.16 | 10.71 | 39.87 | 60.00 | -20.13 | QP | Neutral |
| 12 | 15.552 | 22.10 | 10.71 | 32.81 | 50.00 | -17.19 | Average | Neutral |

Note:

Result = Read Level + Factor

Over Limit = Result – Limit Line

Factor = (LISN, ISN, PLC or current probe) Factor + Cable Loss + Attenuator

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# 7 FCC §15.209, §15.205, §15.407(b) & RSS-247 §6.2, RSS-GEN §8.9, RSS-GEN §8.10 – Spurious Emissions

## 7.1 Applicable Standard

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz | MHz | MHz | GHz |
|---|---|---|---|
| 0.090 – 0.110 | 16.42 – 16.423 | 608 – 614 | 4.5 – 5.15 |
| 0.495 – 0.505 | 16.69475 – 16.69525 | 960 – 1240 | 5.35 – 5. 46 |
| 2.1735 – 2.1905 | 16.80425 – 16.80475 | 1300 – 1427 | 7.25 – 7.75 |
| 4.125 – 4.128 | 25.5 – 25.67 | 1435 – 1626.5 | 8.025 – 8.5 |
| 4.17725 – 4.17775 | 37.5 – 38.25 | 1645.5 – 1646.5 | 9.0 – 9.2 |
| 4.20725 – 4.20775 | 73 – 74.6 | 1660 – 1710 | 9.3 – 9.5 |
| 6.215 – 6.218 | 74.8 – 75.2 | 1718.8 – 1722.2 | 10.6 – 12.7 |
| 6.26775 – 6.26825 | 108 – 121.94 | 2200 – 2300 | 13.25 – 13.4 |
| 6.31175 – 6.31225 | 123 – 138 | 2310 – 2390 | 14.47 – 14.5 |
| 8.291 – 8.294 | 149.9 – 150.05 | 2483.5 – 2500 | 15.35 – 16.2 |
| 8.362 – 8.366 | 156.52475 – 156.52525 | 2690 – 2900 | 17.7 – 21.4 |
| 8.37625 – 8.38675 | 156.7 – 156.9 | 3260 – 3267 | 22.01 – 23.12 |
| 8.41425 – 8.41475 | 162.0125 –167.17 | 3.332 – 3.339 | 23.6 – 24.0 |
| 12.29 – 12.293 | 167.72 – 173.2 | 3 3458 – 3 358 | 31.2 – 31.8 |
| 12.51975 – 12.52025 | 240 – 285 | 3.600 – 4.400 | 36.43 – 36.5 |
| 12.57675 – 12.57725 | 322 – 335.4 | | Above 38.6 |
| 13.36 – 13.41 | 399.9 – 410 | | |

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (micro volts/meter) | Measurement Distance (meters) |
|---|---|---|
| 0.009 - 0.490 | 2400/F(kHz) | 300 |
| 0.490 - 1.705 | 24000/F(kHz) | 30 |
| 1.705 - 30.0 | 30 | 30 |
| 30 - 88 | 100** | 3 |
| 88 - 216 | 150** | 3 |
| 216 - 960 | 200** | 3 |
| Above 960 | 500 | 3 |

Note 1: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

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As per RSS-GEN §8.9: Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

**Table 5 – General field strength limits at frequencies above 30 MHz**

| Frequency (MHz) | Field Strength (µV/m at 3 m) |
|---|---|
| 30 - 88 | 100 |
| 88 - 216 | 150 |
| 216 - 960 | 200 |
| Above 960 | 500 |

**Table 6 – General field strength limits at frequencies below 30 MHz**

| Frequency (MHz) | 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.

Note 2: The limit was added 51.5dB to convert the limit from dBuA/m to dBuV/m.

As per FCC Part 15.407 (b)

- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.25–5.35 GHz band: All emissions outside of the 5.15–5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.47–5.725 GHz band: All emissions outside of the 5.47–5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
- Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
- The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

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RSS-247 Clause 6.2

5.15-5.25 GHz

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS)and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

5.25-5.35 GHz

All emissions outside the band 5250-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p.; or

All emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device, except devices installed in vehicles, shall be labelled or include in the user manual the following text “for indoor use only.”

5.47-5.725 GHz

Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, devices with bandwidth overlapping the band edge of 5725 MHz can meet the emission limit of -27 dBm/MHz e.i.r.p.at 5850 MHz instead of 5725 MHz.

5.725-5.850 GHz

Devices operating in the band 5725-5850 MHz with antenna gain greater than 10 dBi can have unwanted emissions that comply with either the limits in this section or in section 5.5 until six (6) months after the publication date of this standard for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2018.

Devices operating in the band 5725-5850 MHz with antenna gain of 10 dBi or less can have unwanted emissions that comply with either the limits in this section or in section 5.5 until April 1, 2018 for certification. Certified devices that do not comply with emission limits in this section shall not be manufactured, imported, distributed, leased, offered for sale or sold after April 1, 2020.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 Bm/MHz at 5 MHz above or below the band edges;

15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;

10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and

-27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

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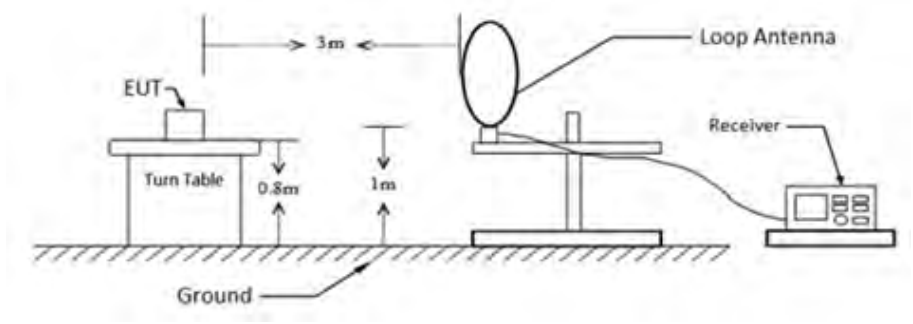
According to ANSI C63.10-2013, section 5.3.3

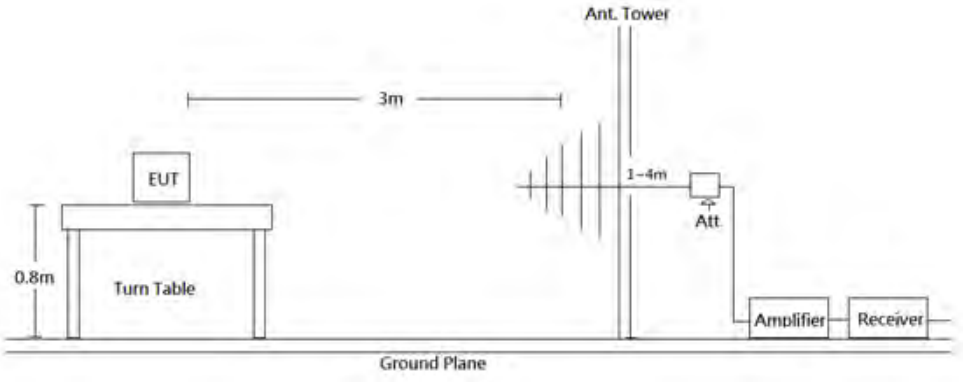
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field, and the emissions to be measured can be detected by the measurement equipment (see 4.3.4). Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. Measurements from 18 GHz to 40 GHz are typically made at distances significantly less than 3 m from the EUT. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade of distance (inverse of linear distance for field-strength measurements or inverse of linear distance-squared for power-density measurements).

## 7.2 EUT Setup

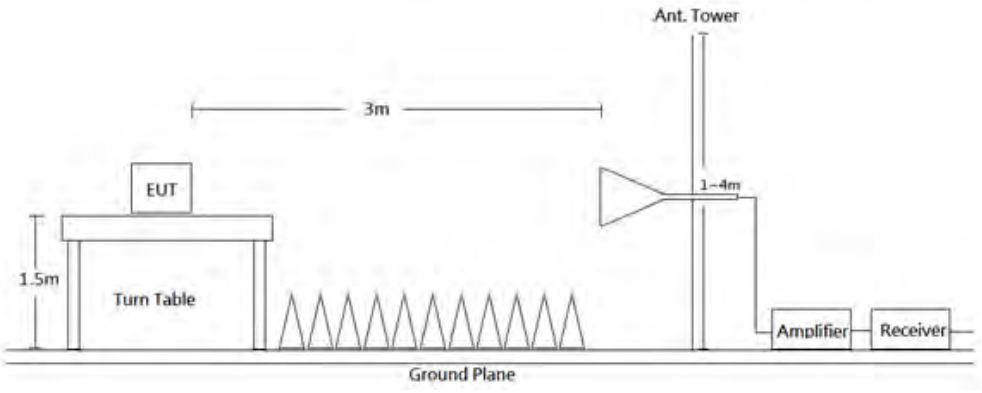
9kHz-30MHz:




30MHz-1GHz:




1-18 GHz:

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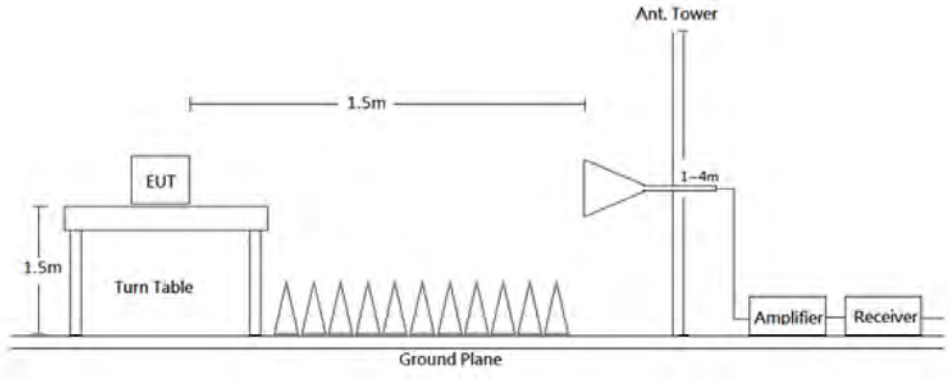
18-40 GHz:




Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part 15.209, FCC 15.407, RSS-247, RSS-GEN Limits.

## 7.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10.

| Frequency Range | RBW | VBW | Duty cycle | Measurement method | Detector |
|---|---|---|---|---|---|
| 9 kHz - 150 kHz | 200 Hz/300 Hz | 1 kHz | / | QP/AV | QP/AV |
| 150 kHz - 30 MHz | 9 kHz/10 kHz | 30 kHz | / | QP/AV | QP/AV |
| 30-1000 MHz | 120 kHz | 300 kHz | / | QP | QP |
| Above 1 GHz | Pre-scan : | | | | |
| | 1 MHz | 3 MHz | / | PK | PK |
| | 1 MHz | 1 kHz | >98% | Ave | PK |
| | 1 MHz | ≥ 1/Ton, not less than 1 kHz | <98% | Ave | PK |
| | Final measurement for emission identified during pre-scan : | | | | |
| | 1 MHz | 3 MHz | / | PK | PK |
| | 1 MHz | 10 Hz | >98% | Ave | PK |
| | 1 MHz | ≥ 1/Ton | <98% | Ave | PK |

Note: T is minimum transmission duration

If the maximized peak measured value complies with under the QP/Average limit more than 6dB, then it is unnecessary to perform an QP/Average measurement.

## 7.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in Quasi-peak and average detector mode from 9 kHz to 30 MHz, Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

According to C63.10, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

All emissions under the average limit and under the noise floor have not recorded in the report

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## 7.5 Corrected Factor & Margin Calculation

The Correct Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

Margin = Level – Limit

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## 7.6 Test Results

Test Mode: Transmitting

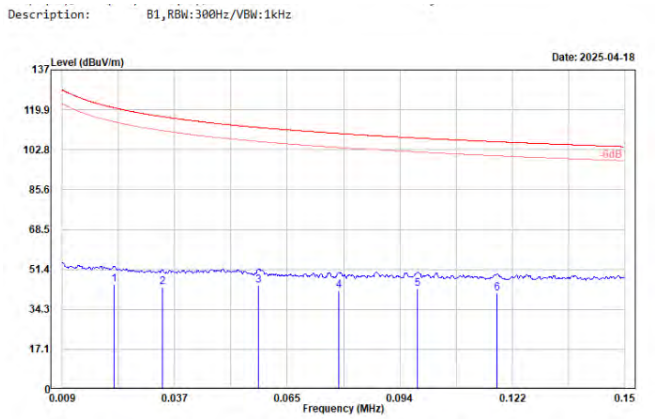
(Use Y axis test)

### 9kHz-30MHz:

**(**Worst case is 802.11a mode, 5200MHz)

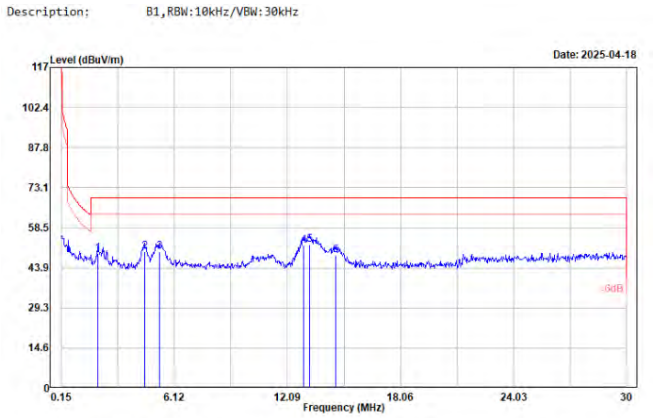
(Pre-scan using three directional polarities, worst case as parallel.)

**9kHz-150kHz**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 0.022 | 30.01 | 14.88 | 44.89 | 120.77 | -75.88 | 100 | 143 | Average |
| 0.034 | 30.73 | 13.19 | 43.92 | 116.95 | -73.03 | 100 | 0 | Average |
| 0.058 | 32.20 | 12.21 | 44.41 | 112.30 | -67.89 | 100 | 155 | Average |
| 0.078 | 31.06 | 11.22 | 42.28 | 109.74 | -67.46 | 100 | 241 | Average |
| 0.098 | 31.29 | 11.65 | 42.94 | 107.77 | -64.83 | 100 | 286 | QP |
| 0.118 | 29.39 | 11.68 | 41.07 | 106.17 | -65.10 | 100 | 13 | QP |

**150kHz-30MHz**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2.060 | 38.27 | 10.82 | 49.09 | 69.54 | -20.45 | 100 | 146 | QP |
| 4.538 | 39.06 | 10.81 | 49.87 | 69.54 | -19.67 | 100 | 201 | QP |
| 5.314 | 38.71 | 11.17 | 49.88 | 69.54 | -19.66 | 100 | 177 | QP |
| 12.926 | 40.35 | 11.56 | 51.91 | 69.54 | -17.63 | 100 | 92 | QP |
| 13.254 | 40.86 | 11.57 | 52.43 | 69.54 | -17.11 | 100 | 316 | QP |
| 14.657 | 37.06 | 11.60 | 48.66 | 69.54 | -20.88 | 100 | 228 | QP |

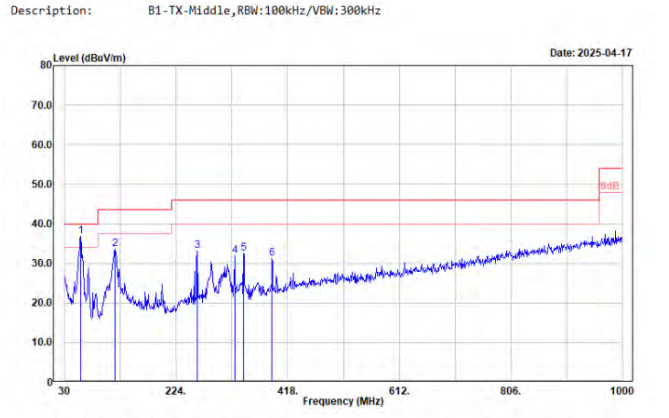
### 30MHz-1GHz:

### Adapter Mode:

### 5150~5250 MHz

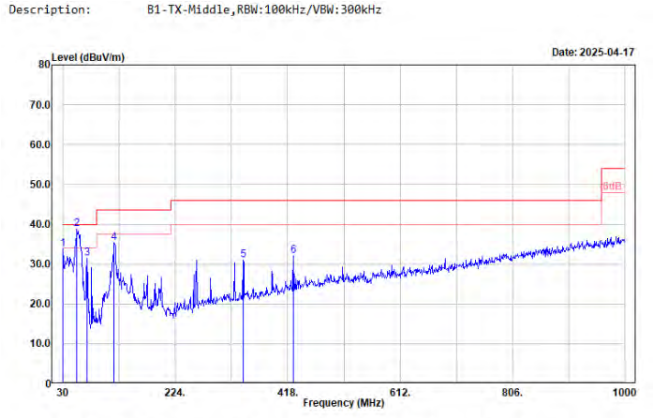
**(Worst case is 802.11a Mode, 5200 MHz)**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 58.130 | 52.67 | -15.78 | 36.89 | 40.00 | -3.11 | 100 | 206 | QP |
| 117.300 | 43.01 | -9.30 | 33.71 | 43.50 | -9.79 | 100 | 268 | QP |
| 260.860 | 42.98 | -9.74 | 33.24 | 46.00 | -12.76 | 100 | 360 | QP |
| 325.850 | 39.51 | -7.61 | 31.90 | 46.00 | -14.10 | 100 | 192 | QP |
| 341.370 | 39.84 | -7.38 | 32.46 | 46.00 | -13.54 | 100 | 237 | QP |
| 390.840 | 37.21 | -5.89 | 31.32 | 46.00 | -14.68 | 100 | 340 | QP |

**Vertical**

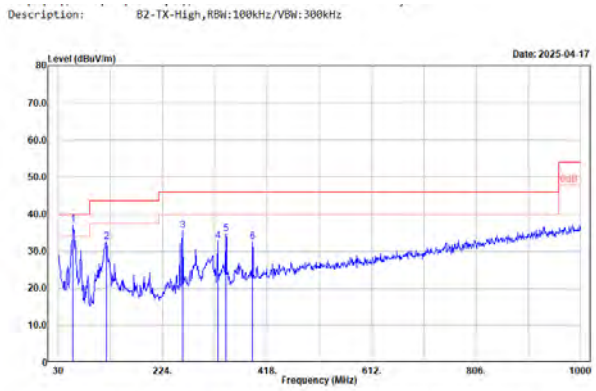



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 30.000 | 36.03 | -2.28 | 33.75 | 40.00 | -6.25 | 100 | 278 | QP |
| 54.250 | 54.41 | -15.65 | 38.76 | 40.00 | -1.24 | 100 | 300 | QP |
| 71.710 | 46.31 | -14.94 | 31.37 | 40.00 | -8.63 | 100 | 278 | QP |
| 118.270 | 44.73 | -9.29 | 35.44 | 43.50 | -8.06 | 100 | 228 | QP |
| 341.370 | 38.47 | -7.38 | 31.09 | 46.00 | -14.91 | 100 | 155 | QP |
| 427.700 | 36.91 | -4.84 | 32.07 | 46.00 | -13.93 | 100 | 147 | QP |

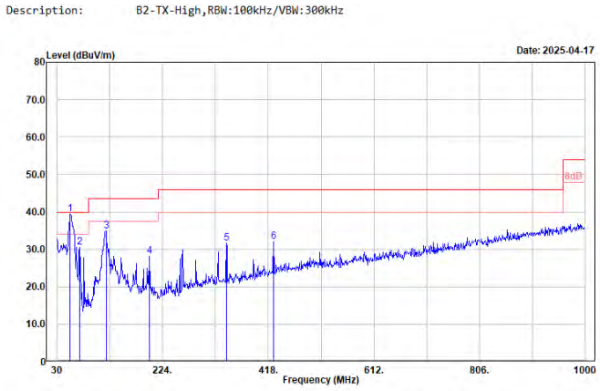
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5250~5350 MHz**

| (Worst case is 802.11a Mode, 5320 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |



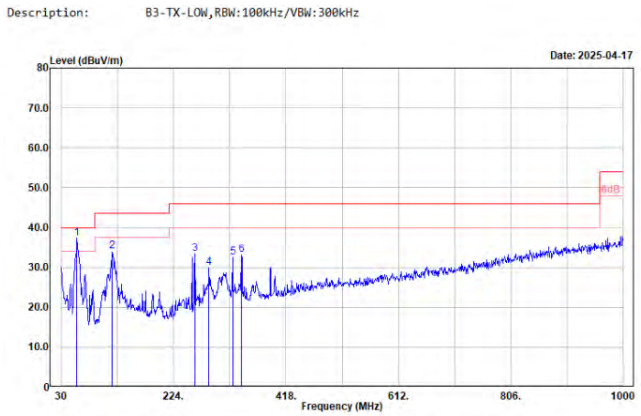

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 57.160 | 52.67 | -15.62 | 37.05 | 40.00 | -2.95 | 100 | 216 | QP |
| 119.240 | 41.72 | -9.24 | 32.48 | 43.50 | -11.02 | 100 | 281 | QP |
| 260.860 | 45.27 | -9.74 | 35.53 | 46.00 | -10.47 | 100 | 156 | QP |
| 325.850 | 40.32 | -7.61 | 32.71 | 46.00 | -13.29 | 100 | 36 | QP |
| 341.370 | 41.98 | -7.38 | 34.60 | 46.00 | -11.40 | 100 | 55 | QP |
| 390.840 | 38.49 | -5.89 | 32.60 | 46.00 | -13.40 | 100 | 359 | QP |



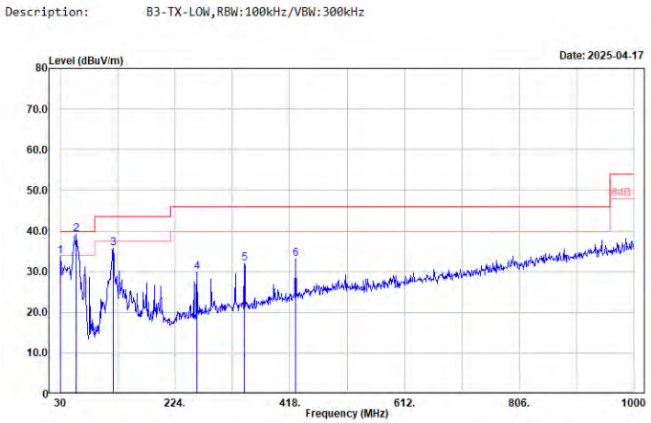

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 54.250 | 55.20 | -15.65 | 39.55 | 40.00 | -0.45 | 100 | 289 | QP |
| 71.710 | 45.45 | -14.94 | 30.51 | 40.00 | -9.49 | 100 | 292 | QP |
| 120.210 | 44.04 | -9.10 | 34.94 | 43.50 | -8.56 | 100 | 210 | QP |
| 199.750 | 37.62 | -9.38 | 28.24 | 43.50 | -15.26 | 100 | 15 | QP |
| 341.370 | 39.01 | -7.38 | 31.63 | 46.00 | -14.37 | 100 | 154 | QP |
| 427.700 | 37.01 | -4.84 | 32.17 | 46.00 | -13.83 | 100 | 154 | QP |

**5470~5725 MHz**

| (Worst case is 802.11a Mode, 5500 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 57.160 | 52.96 | -15.62 | 37.34 | 40.00 | -2.66 | 100 | 195 | QP |
| 118.270 | 43.22 | -9.29 | 33.93 | 43.50 | -9.57 | 100 | 255 | QP |
| 260.860 | 43.21 | -9.74 | 33.47 | 46.00 | -12.53 | 100 | 164 | QP |
| 285.110 | 38.26 | -8.26 | 30.00 | 46.00 | -16.00 | 100 | 335 | QP |
| 325.850 | 40.18 | -7.61 | 32.57 | 46.00 | -13.43 | 100 | 44 | QP |
| 341.370 | 40.51 | -7.38 | 33.13 | 46.00 | -12.87 | 100 | 66 | QP |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 30.000 | 36.02 | -2.28 | 33.74 | 40.00 | -6.26 | 100 | 204 | QP |
| 57.160 | 54.76 | -15.62 | 39.14 | 40.00 | -0.86 | 100 | 237 | QP |
| 119.240 | 45.05 | -9.24 | 35.81 | 43.50 | -7.69 | 100 | 253 | QP |
| 260.860 | 39.74 | -9.74 | 30.00 | 46.00 | -16.00 | 100 | 183 | QP |
| 341.370 | 39.37 | -7.38 | 31.99 | 46.00 | -14.01 | 100 | 150 | QP |
| 427.700 | 38.02 | -4.84 | 33.18 | 46.00 | -12.82 | 100 | 122 | QP |

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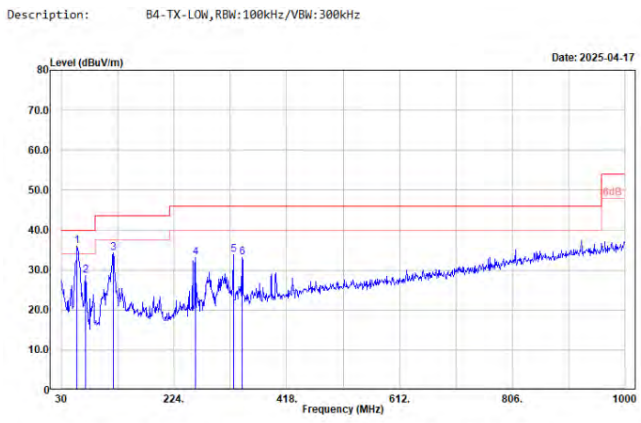
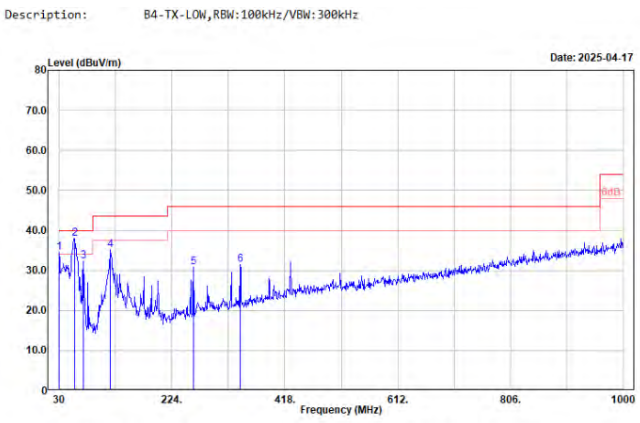
**5725~5850 MHz**

| (Worst case is 802.11a Mode, 5745 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 57.160 | 51.53 | -15.62 | 35.91 | 40.00 | -4.09 | 100 | 359 | QP |
| 71.710 | 43.61 | -14.94 | 28.67 | 40.00 | -11.33 | 100 | 53 | QP |
| 119.240 | 43.54 | -9.24 | 34.30 | 43.50 | -9.20 | 100 | 258 | QP |
| 260.860 | 42.90 | -9.74 | 33.16 | 46.00 | -12.84 | 100 | 0 | QP |
| 325.850 | 41.46 | -7.61 | 33.85 | 46.00 | -12.15 | 100 | 34 | QP |
| 341.370 | 40.47 | -7.38 | 33.09 | 46.00 | -12.91 | 100 | 49 | QP |

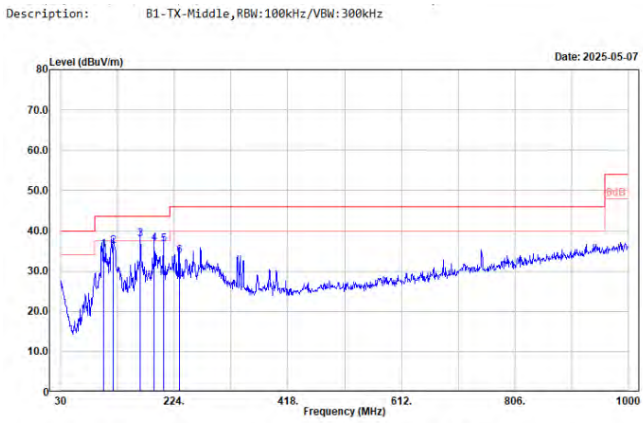



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 30.000 | 36.69 | -2.28 | 34.41 | 40.00 | -5.59 | 100 | 322 | QP |
| 57.160 | 53.58 | -15.62 | 37.96 | 40.00 | -2.04 | 100 | 261 | QP |
| 71.710 | 47.14 | -14.94 | 32.20 | 40.00 | -7.80 | 100 | 143 | QP |
| 117.300 | 44.32 | -9.30 | 35.02 | 43.50 | -8.48 | 100 | 238 | QP |
| 260.860 | 40.44 | -9.74 | 30.70 | 46.00 | -15.30 | 100 | 200 | QP |
| 341.370 | 38.92 | -7.38 | 31.54 | 46.00 | -14.46 | 100 | 166 | QP |

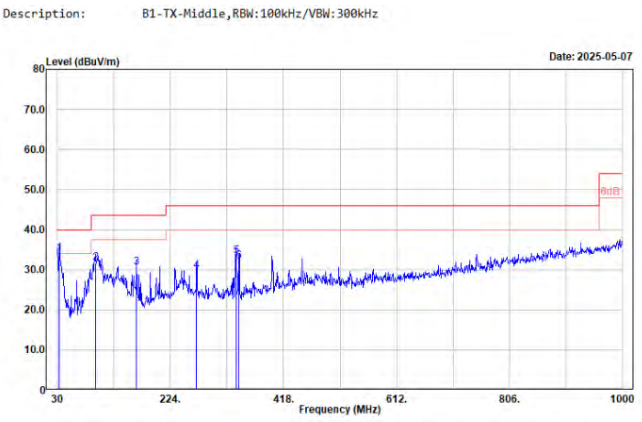
POE Mode:

**5150~5250 MHz**

| (Worst case is 802.11a Mode, 5200 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 102.750 | 47.40 | -12.11 | 35.29 | 43.50 | -8.21 | 100 | 85 | QP |
| 119.240 | 45.39 | -9.24 | 36.15 | 43.50 | -7.35 | 100 | 89 | QP |
| 165.800 | 48.35 | -10.35 | 38.00 | 43.50 | -5.50 | 100 | 217 | QP |
| 190.050 | 47.97 | -11.13 | 36.84 | 43.50 | -6.66 | 100 | 354 | QP |
| 205.570 | 47.86 | -11.21 | 36.65 | 43.50 | -6.85 | 100 | 346 | QP |
| 232.730 | 44.70 | -10.79 | 33.91 | 46.00 | -12.09 | 100 | 229 | QP |

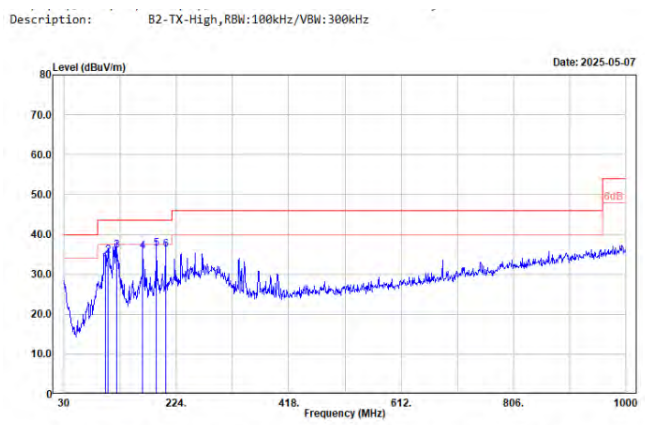



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 32.910 | 38.60 | -4.65 | 33.95 | 40.00 | -6.05 | 100 | 92 | QP |
| 94.990 | 46.01 | -14.25 | 31.76 | 43.50 | -11.74 | 100 | 255 | QP |
| 165.800 | 40.90 | -10.35 | 30.55 | 43.50 | -12.95 | 100 | 259 | QP |
| 268.620 | 38.51 | -8.76 | 29.75 | 46.00 | -16.25 | 100 | 359 | QP |
| 336.520 | 40.87 | -7.41 | 33.46 | 46.00 | -12.54 | 100 | 360 | QP |
| 341.370 | 39.47 | -7.38 | 32.09 | 46.00 | -13.91 | 100 | 4 | QP |

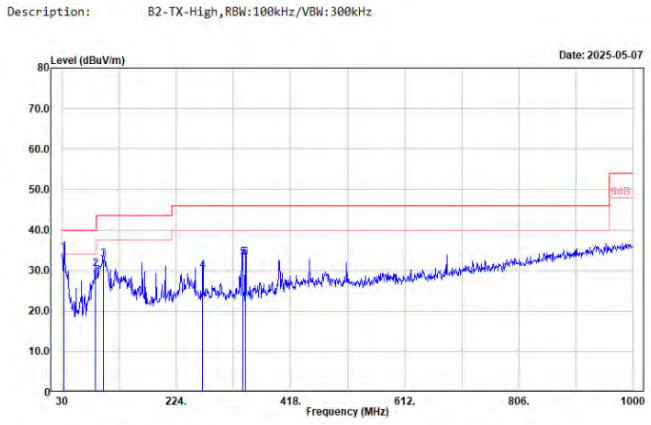
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5250~5350 MHz**

| (Worst case is 802.11a Mode, 5320 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |



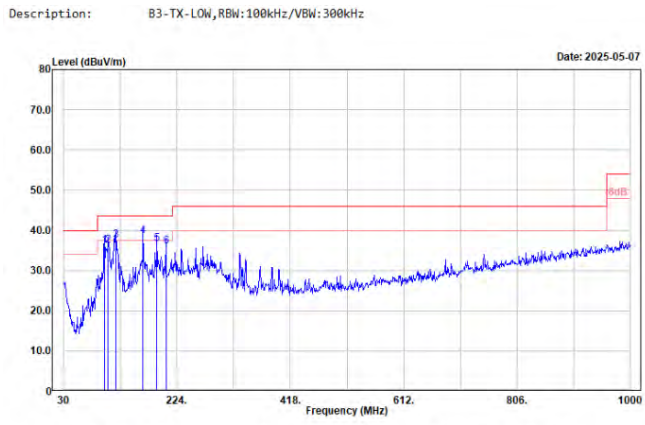

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 100.810 | 45.46 | -12.48 | 32.98 | 43.50 | -10.52 | 100 | 55 | QP |
| 106.630 | 45.72 | -11.04 | 34.68 | 43.50 | -8.82 | 100 | 100 | QP |
| 120.210 | 45.18 | -9.10 | 36.08 | 43.50 | -7.42 | 100 | 63 | QP |
| 165.800 | 46.03 | -10.35 | 35.68 | 43.50 | -7.82 | 100 | 216 | QP |
| 190.050 | 47.65 | -11.13 | 36.52 | 43.50 | -6.98 | 100 | 345 | QP |
| 205.570 | 47.39 | -11.21 | 36.18 | 43.50 | -7.32 | 100 | 353 | QP |



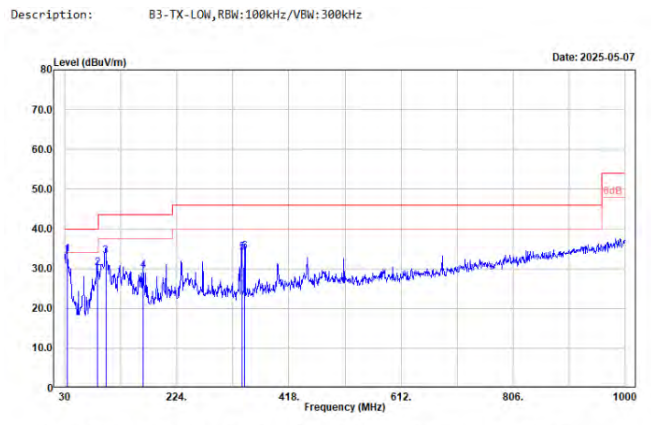

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 32.910 | 39.11 | -4.65 | 34.46 | 40.00 | -5.54 | 100 | 134 | QP |
| 86.260 | 46.16 | -15.71 | 30.45 | 40.00 | -9.55 | 100 | 251 | QP |
| 99.840 | 45.67 | -12.85 | 32.82 | 43.50 | -10.68 | 100 | 233 | QP |
| 268.620 | 38.78 | -8.76 | 30.02 | 46.00 | -15.98 | 100 | 354 | QP |
| 336.520 | 40.50 | -7.41 | 33.09 | 46.00 | -12.91 | 100 | 0 | QP |
| 341.370 | 40.53 | -7.38 | 33.15 | 46.00 | -12.85 | 100 | 1 | QP |

**5470~5725 MHz**

| (Worst case is 802.11a Mode, 5500 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 99.840 | 49.10 | -12.85 | 36.25 | 43.50 | -7.25 | 100 | 94 | QP |
| 106.630 | 47.31 | -11.04 | 36.27 | 43.50 | -7.23 | 100 | 82 | QP |
| 119.240 | 46.83 | -9.24 | 37.59 | 43.50 | -5.91 | 100 | 97 | QP |
| 165.800 | 48.94 | -10.35 | 38.59 | 43.50 | -4.91 | 100 | 242 | QP |
| 190.050 | 47.84 | -11.13 | 36.71 | 43.50 | -6.79 | 100 | 356 | QP |
| 205.570 | 47.23 | -11.21 | 36.02 | 43.50 | -7.48 | 100 | 349 | QP |

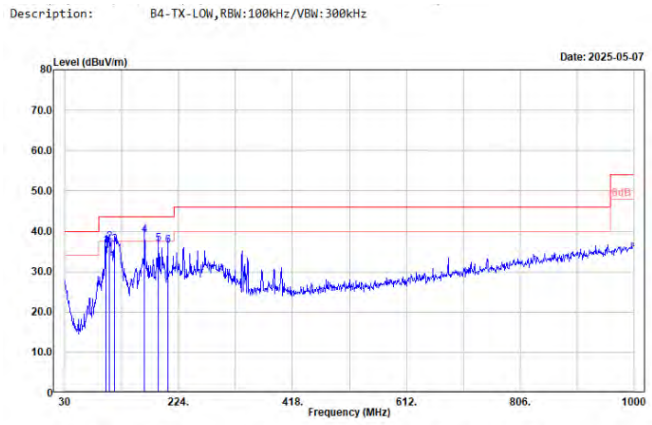



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 33.880 | 38.75 | -5.08 | 33.67 | 40.00 | -6.33 | 100 | 122 | QP |
| 86.260 | 45.80 | -15.71 | 30.09 | 40.00 | -9.91 | 100 | 52 | QP |
| 100.810 | 45.62 | -12.48 | 33.14 | 43.50 | -10.36 | 100 | 256 | QP |
| 165.800 | 39.92 | -10.35 | 29.57 | 43.50 | -13.93 | 100 | 245 | QP |
| 336.520 | 41.53 | -7.41 | 34.12 | 46.00 | -11.88 | 100 | 10 | QP |
| 341.370 | 41.58 | -7.38 | 34.20 | 46.00 | -11.80 | 100 | 336 | QP |

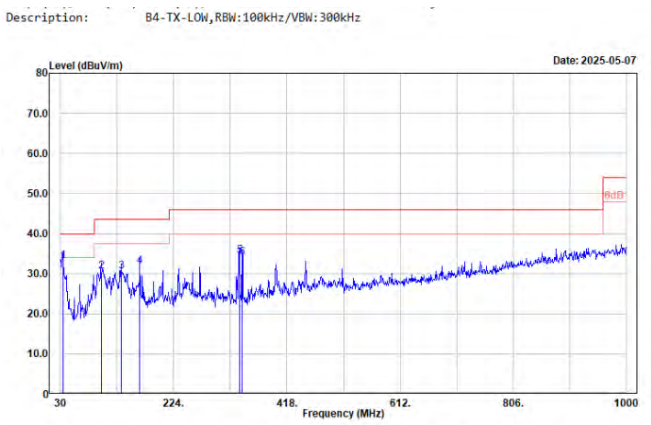
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5725~5850 MHz**

| (Worst case is 802.11a Mode, 5745 MHz) | |
|---|---|
| **Horizontal** | **Vertical** |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 99.840 | 49.36 | -12.85 | 36.51 | 43.50 | -6.99 | 100 | 74 | QP |
| 105.660 | 48.49 | -11.20 | 37.29 | 43.50 | -6.21 | 100 | 71 | QP |
| 115.360 | 46.32 | -9.61 | 36.71 | 43.50 | -6.79 | 100 | 74 | QP |
| 165.800 | 49.47 | -10.35 | 39.12 | 43.50 | -4.38 | 100 | 208 | QP |
| 190.050 | 48.00 | -11.13 | 36.87 | 43.50 | -6.63 | 100 | 359 | QP |
| 205.570 | 47.69 | -11.21 | 36.48 | 43.50 | -7.02 | 100 | 350 | QP |




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 33.880 | 38.29 | -5.08 | 33.21 | 40.00 | -6.79 | 100 | 70 | QP |
| 99.840 | 43.51 | -12.85 | 30.66 | 43.50 | -12.84 | 100 | 309 | QP |
| 133.790 | 39.48 | -9.00 | 30.48 | 43.50 | -13.02 | 100 | 281 | QP |
| 165.800 | 42.30 | -10.35 | 31.95 | 43.50 | -11.55 | 100 | 255 | QP |
| 336.520 | 41.87 | -7.41 | 34.46 | 46.00 | -11.54 | 100 | 332 | QP |
| 341.370 | 41.44 | -7.38 | 34.06 | 46.00 | -11.94 | 100 | 328 | QP |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

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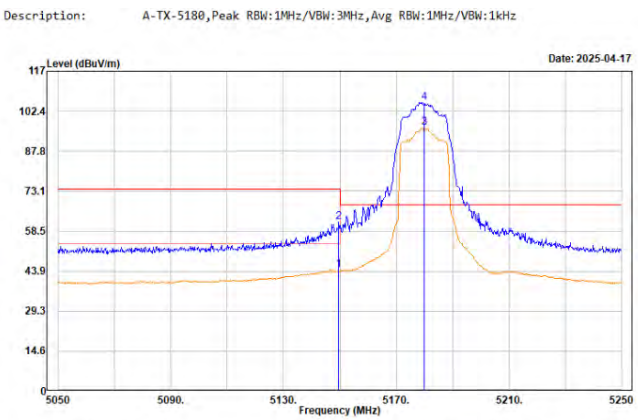
## Band-Edge

### 5150-5250 MHz

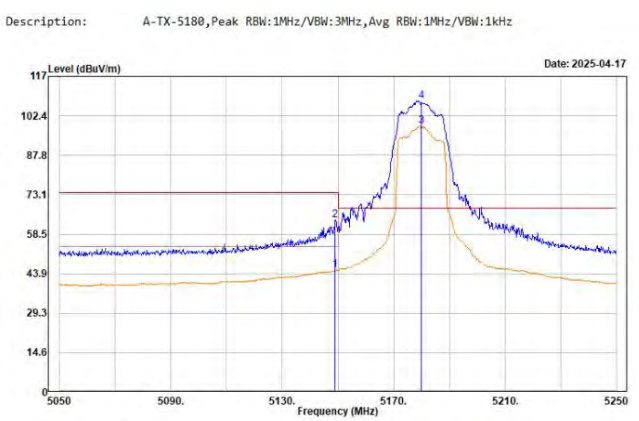
**802.11a Mode, 5180 MHz**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5149.600 | 47.08 | -2.79 | 44.29 | 54.00 | -9.71 | 289 | 71 | Average |
| 5149.600 | 64.67 | -2.79 | 61.88 | 74.00 | -12.12 | 289 | 71 | Peak |
| 5180.000 | 99.23 | -2.87 | 96.36 | | | 289 | 71 | Average |
| 5180.000 | 108.43 | -2.87 | 105.56 | | | 289 | 71 | Peak |

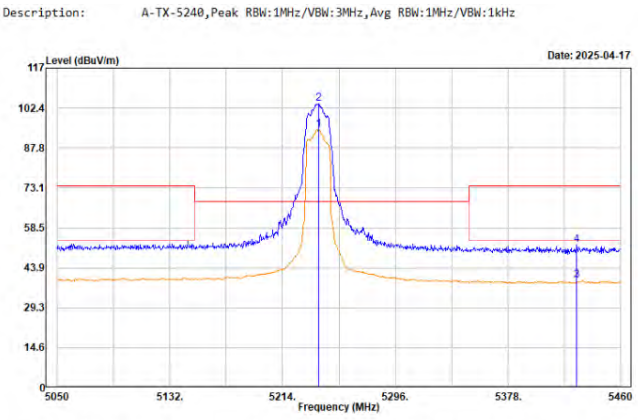
**Vertical**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5149.000 | 47.99 | -2.79 | 45.20 | 54.00 | -8.80 | 232 | 359 | Average |
| 5149.000 | 66.68 | -2.79 | 63.89 | 74.00 | -10.11 | 232 | 359 | Peak |
| 5180.000 | 101.54 | -2.87 | 98.67 | | | 232 | 359 | Average |
| 5180.000 | 110.83 | -2.87 | 107.96 | | | 232 | 359 | Peak |

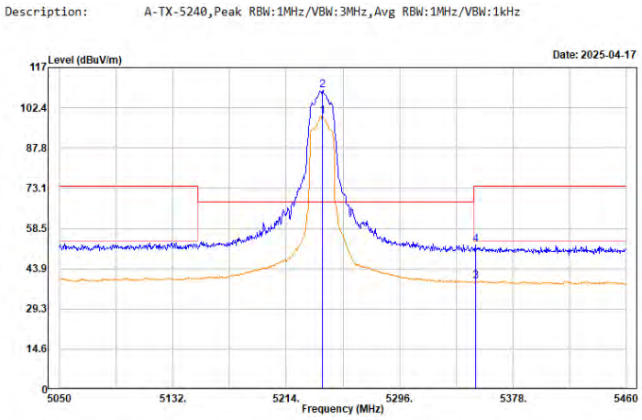
**802.11a Mode, 5240 MHz**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5240.000 | 97.80 | -3.17 | 94.63 | | | 200 | 76 | Average |
| 5240.000 | 107.15 | -3.17 | 103.98 | | | 200 | 76 | Peak |
| 5428.020 | 42.87 | -3.69 | 39.18 | 54.00 | -14.82 | 200 | 76 | Average |
| 5428.020 | 55.90 | -3.69 | 52.21 | 74.00 | -21.79 | 200 | 76 | Peak |

**Vertical**

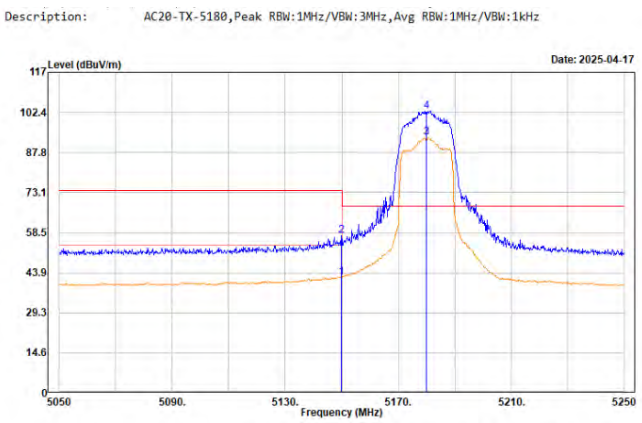



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5240.000 | 102.47 | -3.17 | 99.30 | | | 193 | 78 | Average |
| 5240.000 | 111.86 | -3.17 | 108.69 | | | 193 | 78 | Peak |
| 5350.940 | 42.95 | -3.50 | 39.45 | 54.00 | -14.55 | 193 | 78 | Average |
| 5350.940 | 56.17 | -3.50 | 52.67 | 74.00 | -21.33 | 193 | 78 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

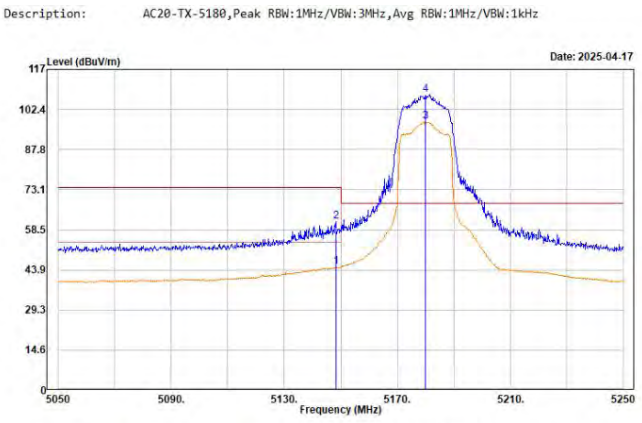
## 802.11ac VHT20 Mode, 5180 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5149.800 | 45.07 | -2.79 | 42.28 | 54.00 | -11.72 | 248 | 34 | Average |
| 5149.800 | 60.17 | -2.79 | 57.38 | 74.00 | -16.62 | 248 | 34 | Peak |
| 5180.000 | 95.97 | -2.87 | 93.10 | | | 248 | 34 | Average |
| 5180.000 | 105.64 | -2.87 | 102.77 | | | 248 | 34 | Peak |

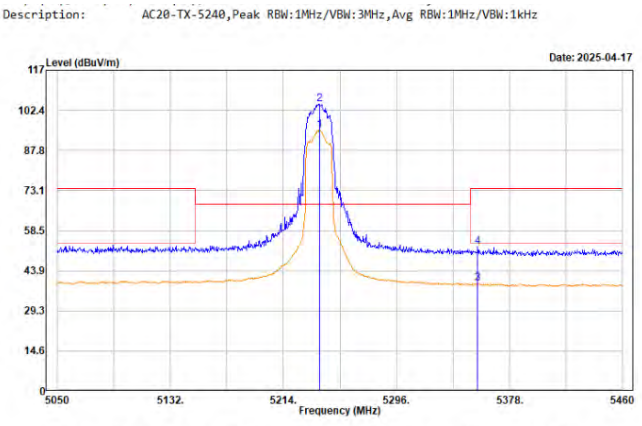
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5148.200 | 47.72 | -2.78 | 44.94 | 54.00 | -9.06 | 146 | 359 | Average |
| 5148.200 | 64.33 | -2.78 | 61.55 | 74.00 | -12.45 | 146 | 359 | Peak |
| 5180.000 | 100.73 | -2.87 | 97.86 | | | 146 | 359 | Average |
| 5180.000 | 110.72 | -2.87 | 107.85 | | | 146 | 359 | Peak |

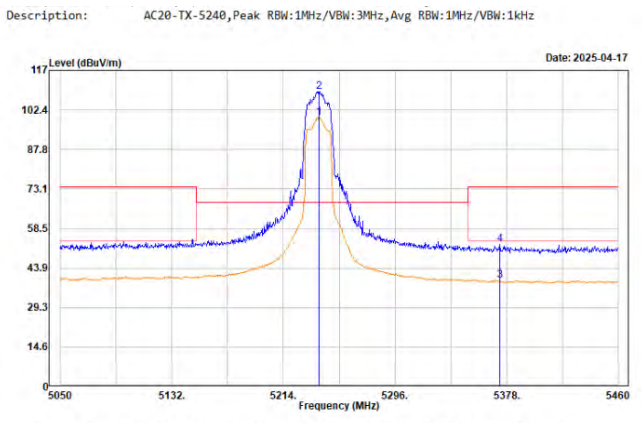
## 802.11ac VHT20 Mode, 5240 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5240.000 | 98.35 | -3.17 | 95.18 | | | 186 | 77 | Average |
| 5240.000 | 107.90 | -3.17 | 104.73 | | | 186 | 77 | Peak |
| 5355.040 | 42.73 | -3.52 | 39.21 | 54.00 | -14.79 | 186 | 77 | Average |
| 5355.040 | 56.10 | -3.52 | 52.58 | 74.00 | -21.42 | 186 | 77 | Peak |

### Vertical

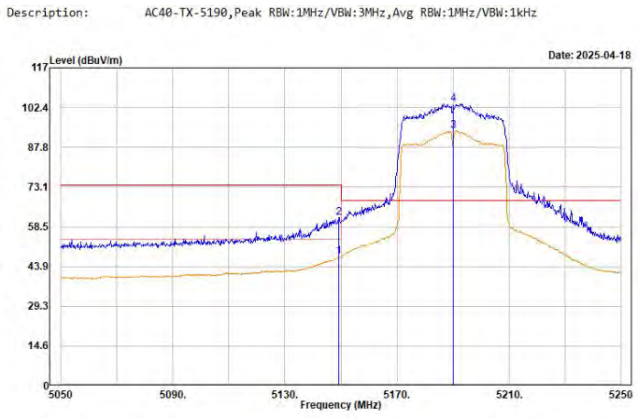



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5240.000 | 102.87 | -3.17 | 99.70 | | | 214 | 75 | Average |
| 5240.000 | 112.23 | -3.17 | 109.06 | | | 214 | 75 | Peak |
| 5373.080 | 43.07 | -3.62 | 39.45 | 54.00 | -14.55 | 214 | 75 | Average |
| 5373.080 | 56.17 | -3.62 | 52.55 | 74.00 | -21.45 | 214 | 75 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

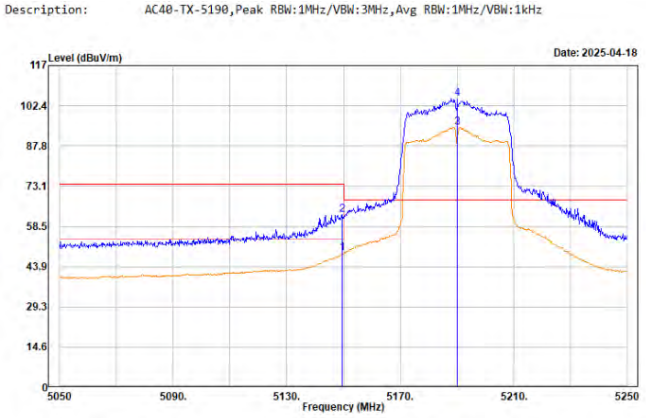
## 802.11ac VHT40 Mode, 5190 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5149.200 | 50.29 | -2.79 | 47.50 | 54.00 | -6.50 | 126 | 71 | Average |
| 5149.200 | 64.66 | -2.79 | 61.87 | 74.00 | -12.13 | 126 | 71 | Peak |
| 5190.000 | 96.67 | -2.90 | 93.77 | | | 126 | 71 | Average |
| 5190.000 | 106.72 | -2.90 | 103.82 | | | 126 | 71 | Peak |

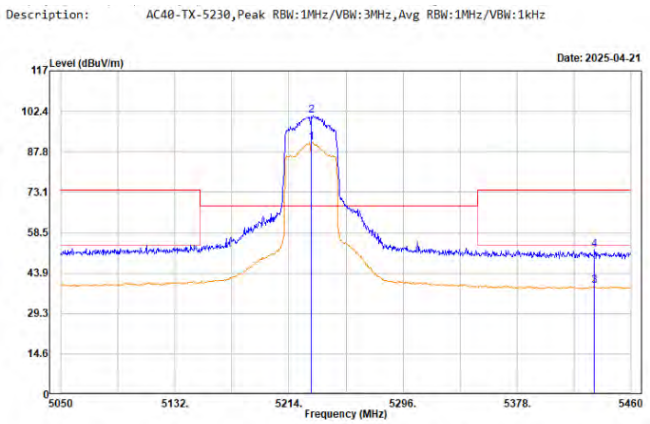
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5149.400 | 51.50 | -2.79 | 48.71 | 54.00 | -5.29 | 193 | 22 | Average |
| 5149.400 | 65.50 | -2.79 | 62.71 | 74.00 | -11.29 | 193 | 22 | Peak |
| 5190.000 | 97.50 | -2.90 | 94.60 | | | 193 | 22 | Average |
| 5190.000 | 107.93 | -2.90 | 105.03 | | | 193 | 22 | Peak |

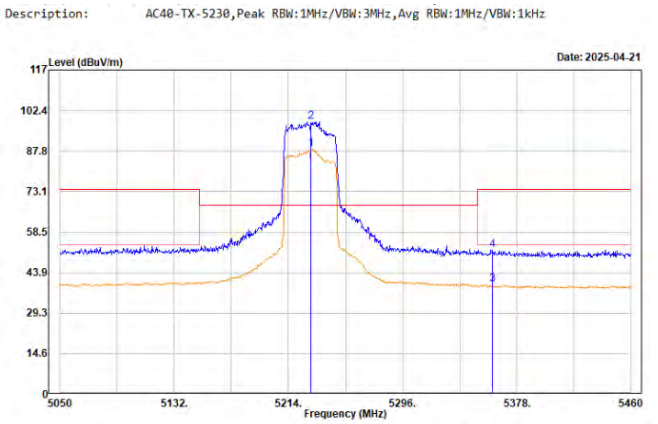
## 802.11ac VHT40 Mode, 5230 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5230.000 | 94.14 | -3.11 | 91.03 | | | 196 | 103 | Average |
| 5230.000 | 104.08 | -3.17 | 100.91 | | | 196 | 103 | Peak |
| 5433.760 | 42.87 | -3.68 | 39.19 | 54.00 | -14.81 | 196 | 103 | Average |
| 5433.760 | 56.11 | -3.68 | 52.43 | 74.00 | -21.57 | 196 | 103 | Peak |

### Vertical



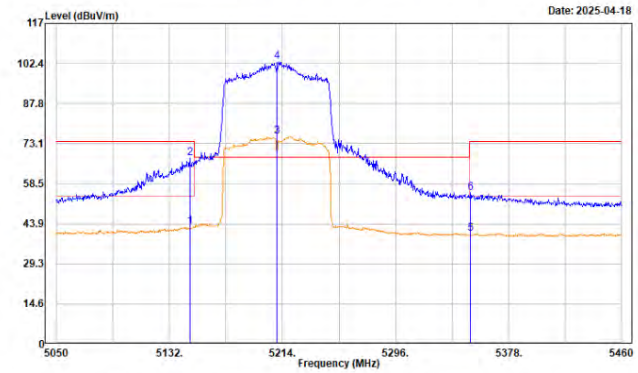

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5230.000 | 91.57 | -3.11 | 88.46 | | | 217 | 76 | Average |
| 5230.000 | 101.38 | -3.17 | 98.21 | | | 217 | 76 | Peak |
| 5360.780 | 43.02 | -3.54 | 39.48 | 54.00 | -14.52 | 217 | 76 | Average |
| 5360.780 | 55.62 | -3.54 | 52.08 | 74.00 | -21.92 | 217 | 76 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 802.11ac VHT80 Mode, 5210 MHz

### Horizontal

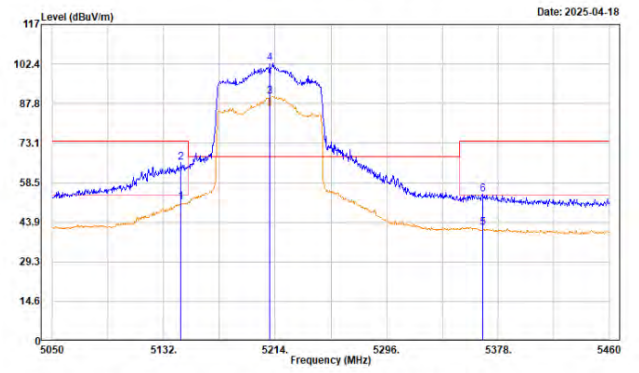
Description: AC80-TX-5210,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5146.760 | 45.43 | -2.78 | 42.65 | 54.00 | -11.35 | 124 | 71 | Average |
| 5146.760 | 70.74 | -2.78 | 67.96 | 74.00 | -6.04 | 124 | 71 | Peak |
| 5210.000 | 78.81 | -3.00 | 75.81 | | | 124 | 71 | Average |
| 5210.000 | 106.08 | -3.00 | 103.08 | | | 124 | 71 | Peak |
| 5350.530 | 43.81 | -3.49 | 40.32 | 54.00 | -13.68 | 124 | 71 | Average |
| 5350.530 | 58.68 | -3.49 | 55.19 | 74.00 | -18.81 | 124 | 71 | Peak |

### Vertical

Description: AC80-TX-5210,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz



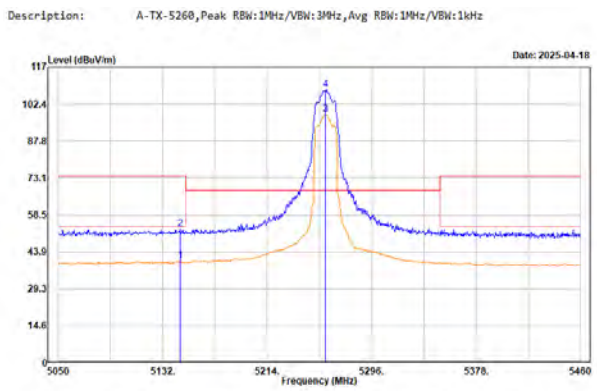

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5144.710 | 54.02 | -2.78 | 51.24 | 54.00 | -2.76 | 166 | 350 | Average |
| 5144.710 | 68.68 | -2.78 | 65.90 | 74.00 | -8.10 | 166 | 350 | Peak |
| 5210.000 | 93.51 | -3.00 | 90.51 | | | 166 | 350 | Average |
| 5210.000 | 105.58 | -3.00 | 102.58 | | | 166 | 350 | Peak |
| 5366.520 | 45.50 | -3.59 | 41.91 | 54.00 | -12.09 | 166 | 350 | Average |
| 5366.520 | 57.71 | -3.59 | 54.12 | 74.00 | -19.88 | 166 | 350 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5250-5350 MHz**

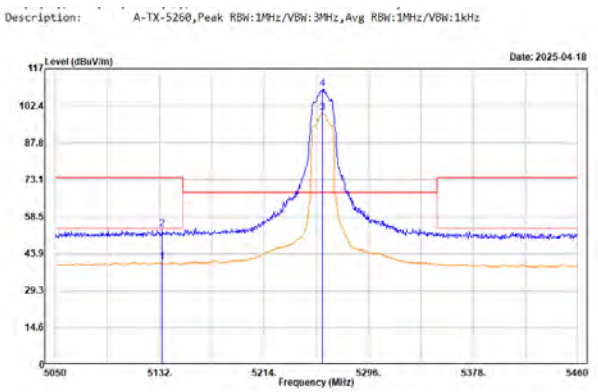
**(802.11a Mode, 5260 MHz)**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5145.940 | 42.90 | -2.77 | 40.13 | 54.00 | -13.87 | 125 | 72 | Average |
| 5145.940 | 55.79 | -2.77 | 53.02 | 74.00 | -20.98 | 125 | 72 | Peak |
| 5260.000 | 101.55 | -3.25 | 98.30 | | | 125 | 72 | Average |
| 5260.000 | 111.29 | -3.25 | 108.04 | | | 125 | 72 | Peak |

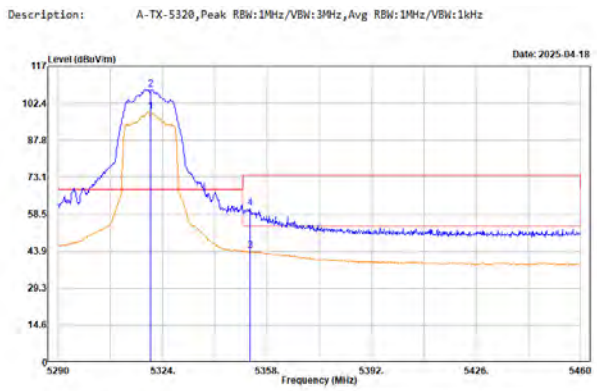
**Vertical**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5134.050 | 43.25 | -2.74 | 40.51 | 54.00 | -13.49 | 253 | 19 | Average |
| 5134.050 | 56.42 | -2.74 | 53.68 | 74.00 | -20.32 | 253 | 19 | Peak |
| 5260.000 | 102.67 | -3.25 | 99.42 | | | 253 | 19 | Average |
| 5260.000 | 112.29 | -3.25 | 109.04 | | | 253 | 19 | Peak |

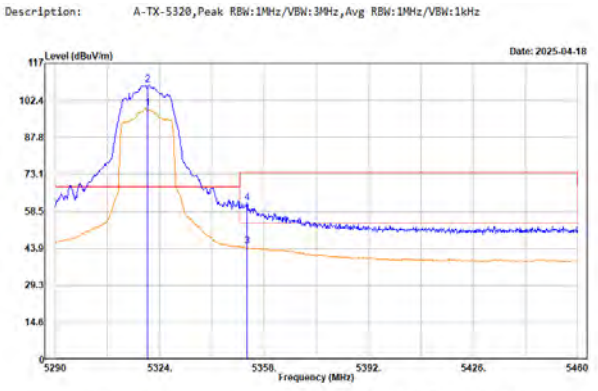
**(802.11a Mode, 5320 MHz)**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5320.000 | 102.28 | -3.39 | 98.89 | | | 144 | 72 | Average |
| 5320.000 | 111.27 | -3.39 | 107.88 | | | 144 | 72 | Peak |
| 5352.390 | 47.46 | -3.50 | 43.96 | 54.00 | -10.04 | 144 | 72 | Average |
| 5352.390 | 64.42 | -3.50 | 60.92 | 74.00 | -13.08 | 144 | 72 | Peak |

**Vertical**

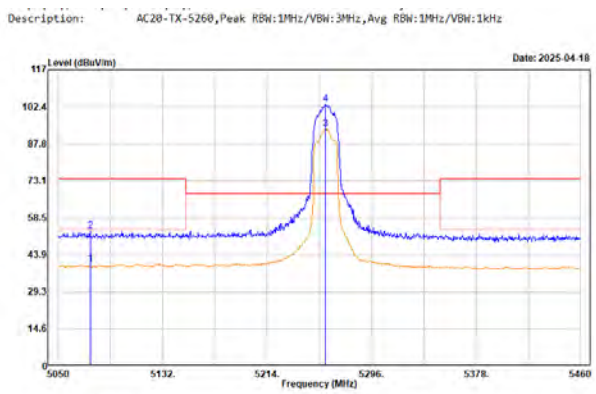



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5320.000 | 102.74 | -3.39 | 99.35 | | | 213 | 6 | Average |
| 5320.000 | 111.95 | -3.39 | 108.56 | | | 213 | 6 | Peak |
| 5352.390 | 48.14 | -3.50 | 44.64 | 54.00 | -9.36 | 213 | 6 | Average |
| 5352.390 | 65.18 | -3.50 | 61.68 | 74.00 | -12.32 | 213 | 6 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

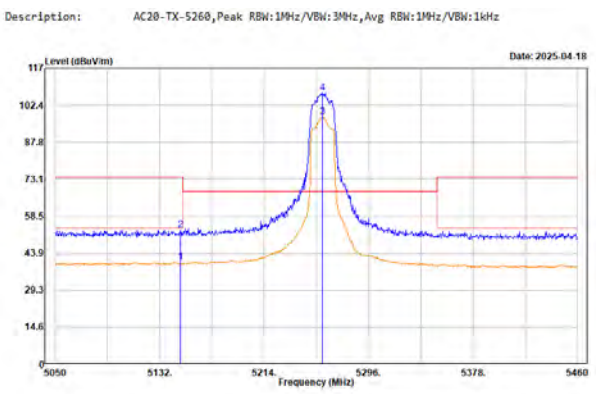
## (802.11ac VHT20 Mode, 5260 MHz)

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5075.010 | 42.89 | -2.76 | 40.13 | 54.00 | -13.87 | 200 | 63 | Average |
| 5075.010 | 56.01 | -2.76 | 53.25 | 74.00 | -20.75 | 200 | 63 | Peak |
| 5260.000 | 96.80 | -3.25 | 93.55 | | | 200 | 63 | Average |
| 5260.000 | 106.54 | -3.25 | 103.29 | | | 200 | 63 | Peak |

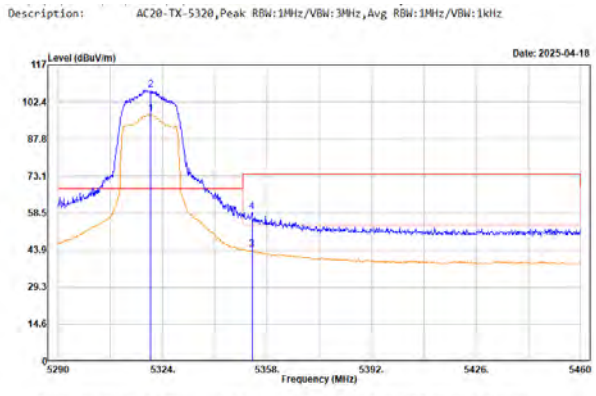
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5148.400 | 42.92 | -2.78 | 40.14 | 54.00 | -13.86 | 144 | 64 | Average |
| 5148.400 | 55.87 | -2.78 | 53.09 | 74.00 | -20.91 | 144 | 64 | Peak |
| 5260.000 | 100.85 | -3.25 | 97.60 | | | 144 | 64 | Average |
| 5260.000 | 110.57 | -3.25 | 107.32 | | | 144 | 64 | Peak |

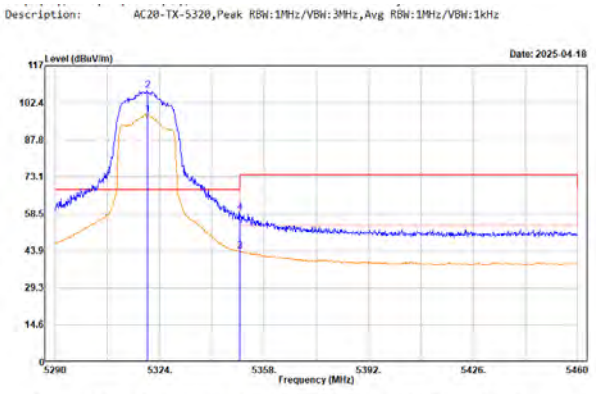
## (802.11ac VHT20 Mode, 5320 MHz)

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5320.000 | 100.94 | -3.39 | 97.55 | | | 143 | 70 | Average |
| 5320.000 | 110.57 | -3.39 | 107.18 | | | 143 | 70 | Peak |
| 5353.070 | 47.58 | -3.51 | 44.07 | 54.00 | -9.93 | 143 | 70 | Average |
| 5353.070 | 62.41 | -3.51 | 58.90 | 74.00 | -15.10 | 143 | 70 | Peak |

### Vertical

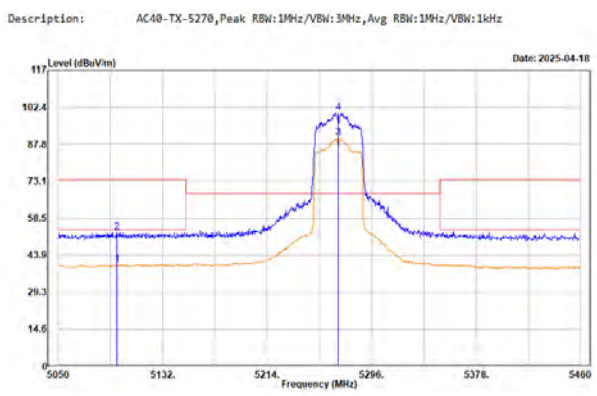



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5320.000 | 101.06 | -3.39 | 97.67 | | | 272 | 96 | Average |
| 5320.000 | 110.62 | -3.39 | 107.23 | | | 272 | 96 | Peak |
| 5350.010 | 47.22 | -3.49 | 43.73 | 54.00 | -10.27 | 272 | 96 | Average |
| 5350.010 | 62.39 | -3.49 | 58.90 | 74.00 | -15.10 | 272 | 96 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

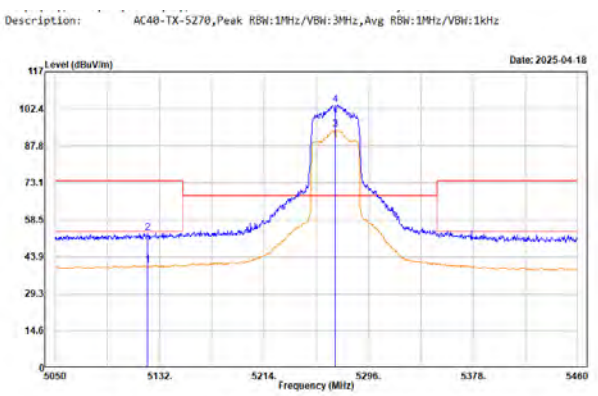
## (802.11ac VHT40 Mode, 5270 MHz)

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5095.920 | 42.93 | -2.66 | 40.27 | 54.00 | -13.73 | 210 | 54 | Average |
| 5095.920 | 55.60 | -2.66 | 52.94 | 74.00 | -21.06 | 210 | 54 | Peak |
| 5270.000 | 93.48 | -3.27 | 90.21 | | | 210 | 54 | Average |
| 5270.000 | 103.31 | -3.27 | 100.04 | | | 210 | 54 | Peak |

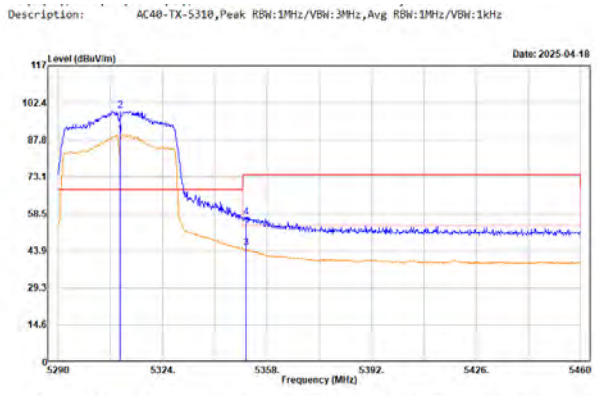
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5122.570 | 43.30 | -2.70 | 40.60 | 54.00 | -13.40 | 213 | 41 | Average |
| 5122.570 | 55.99 | -2.70 | 53.29 | 74.00 | -20.71 | 213 | 41 | Peak |
| 5270.000 | 97.41 | -3.27 | 94.14 | | | 213 | 41 | Average |
| 5270.000 | 107.11 | -3.27 | 103.84 | | | 213 | 41 | Peak |

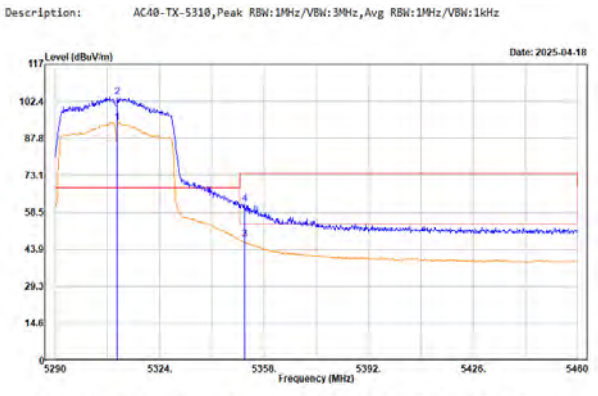
## (802.11ac VHT40 Mode, 5310 MHz)

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5310.000 | 93.00 | -3.36 | 89.64 | | | 150 | 27 | Average |
| 5310.000 | 102.59 | -3.36 | 99.23 | | | 150 | 27 | Peak |
| 5351.030 | 48.43 | -3.50 | 44.93 | 54.00 | -9.07 | 150 | 27 | Average |
| 5351.030 | 60.66 | -3.50 | 57.16 | 74.00 | -16.84 | 150 | 27 | Peak |

### Vertical



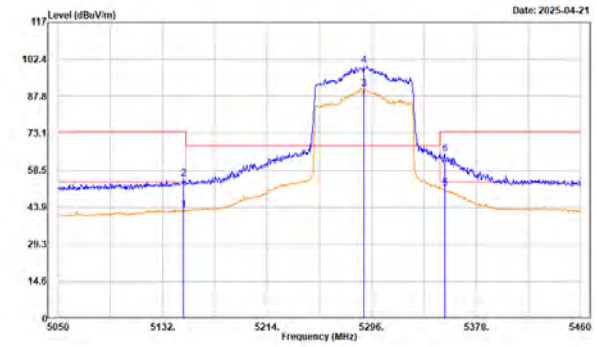

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5310.000 | 97.36 | -3.36 | 94.00 | | | 157 | 66 | Average |
| 5310.000 | 107.27 | -3.36 | 103.91 | | | 157 | 66 | Peak |
| 5351.540 | 51.51 | -3.50 | 48.01 | 54.00 | -5.99 | 157 | 66 | Average |
| 5351.540 | 65.36 | -3.50 | 61.86 | 74.00 | -12.14 | 157 | 66 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**(802.11ac VHT80 Mode, 5290 MHz)**

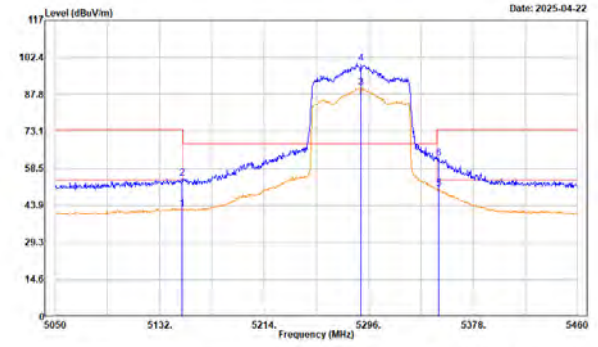
| Horizontal | Vertical |
|---|---|

Description: AC80-TX-5290,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5147.990 | 45.62 | -2.78 | 42.84 | 54.00 | -11.16 | 205 | 25 | Average |
| 5147.990 | 58.03 | -2.78 | 55.25 | 74.00 | -18.75 | 205 | 25 | Peak |
| 5290.000 | 94.13 | -3.30 | 90.83 | | | 205 | 25 | Average |
| 5290.000 | 103.09 | -3.30 | 99.79 | | | 205 | 25 | Peak |
| 5353.400 | 54.74 | -3.51 | 51.23 | 54.00 | -2.77 | 205 | 25 | Average |
| 5353.400 | 68.54 | -3.51 | 65.03 | 74.00 | -8.97 | 205 | 25 | Peak |

Description: AC80-TX-5290,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz



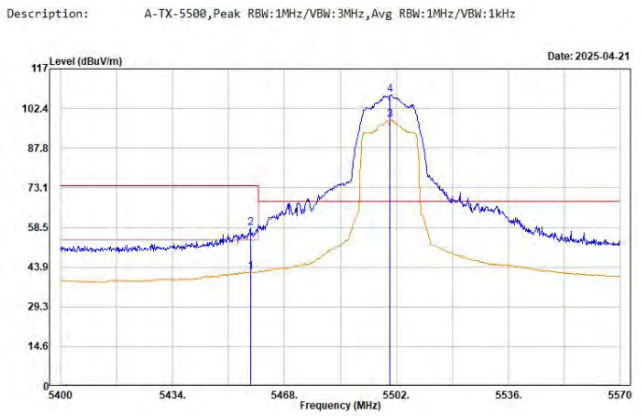

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5149.630 | 45.37 | -2.79 | 42.58 | 54.00 | -11.42 | 229 | 43 | Average |
| 5149.630 | 57.25 | -2.79 | 54.46 | 74.00 | -19.54 | 229 | 43 | Peak |
| 5290.000 | 93.54 | -3.30 | 90.24 | | | 229 | 43 | Average |
| 5290.000 | 103.14 | -3.30 | 99.84 | | | 229 | 43 | Peak |
| 5351.350 | 53.97 | -3.50 | 50.47 | 54.00 | -3.53 | 229 | 43 | Average |
| 5351.350 | 66.03 | -3.50 | 62.53 | 74.00 | -11.47 | 229 | 43 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5470-5725 MHz**

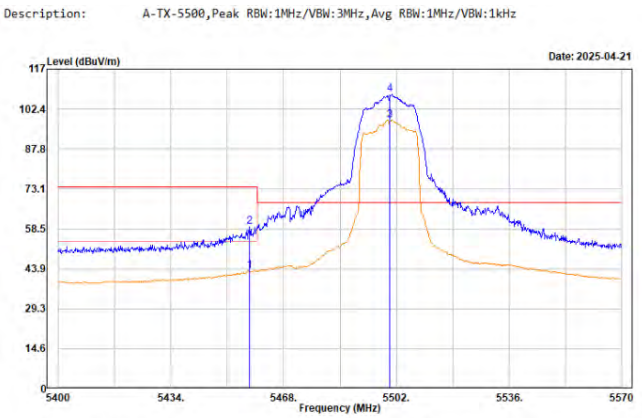
**(802.11a Mode, 5500 MHz)**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5457.630 | 45.73 | -3.61 | 42.12 | 54.00 | -11.88 | 200 | 27 | Average |
| 5457.630 | 61.90 | -3.61 | 58.29 | 74.00 | -15.71 | 200 | 27 | Peak |
| 5500.000 | 101.65 | -3.42 | 98.23 | | | 200 | 27 | Average |
| 5500.000 | 110.78 | -3.42 | 107.36 | | | 200 | 27 | Peak |

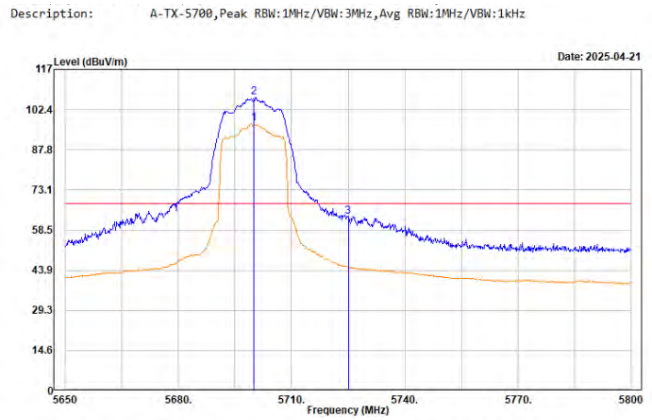
**Vertical**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5457.800 | 46.86 | -3.61 | 43.25 | 54.00 | -10.75 | 132 | 109 | Average |
| 5457.800 | 62.91 | -3.61 | 59.30 | 74.00 | -14.70 | 132 | 109 | Peak |
| 5500.000 | 101.75 | -3.42 | 98.33 | | | 132 | 109 | Average |
| 5500.000 | 111.30 | -3.42 | 107.88 | | | 132 | 109 | Peak |

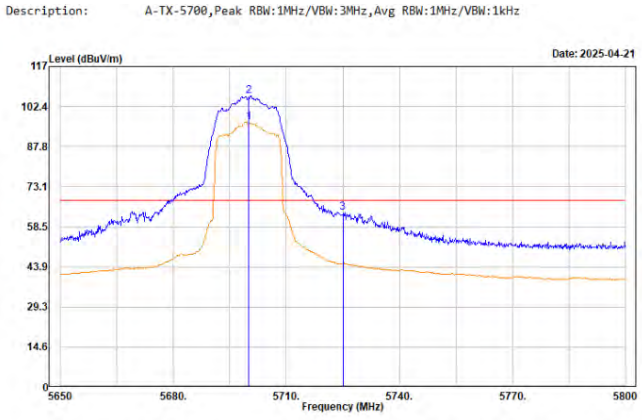
**(802.11a Mode, 5700 MHz)**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5700.000 | 101.39 | -4.02 | 97.37 | | | 170 | 22 | Average |
| 5700.000 | 110.73 | -4.02 | 106.71 | | | 170 | 22 | Peak |
| 5725.000 | 67.35 | -3.94 | 63.41 | 68.20 | -4.79 | 170 | 22 | Peak |

**Vertical**



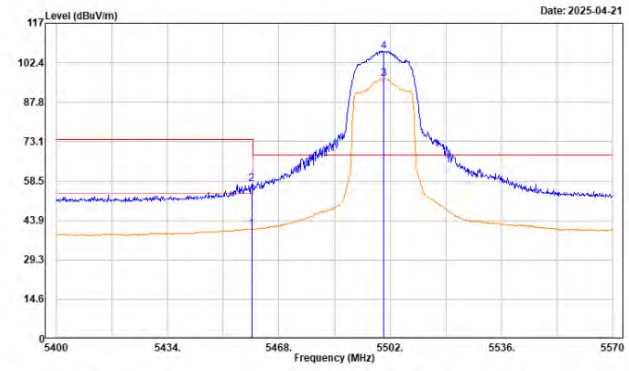

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5700.000 | 100.81 | -4.02 | 96.79 | | | 162 | 18 | Average |
| 5700.000 | 110.37 | -4.02 | 106.35 | | | 162 | 18 | Peak |
| 5725.000 | 67.72 | -3.94 | 63.78 | 68.20 | -4.42 | 162 | 18 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## (802.11ac VHT20 Mode, 5500 MHz)

### Horizontal

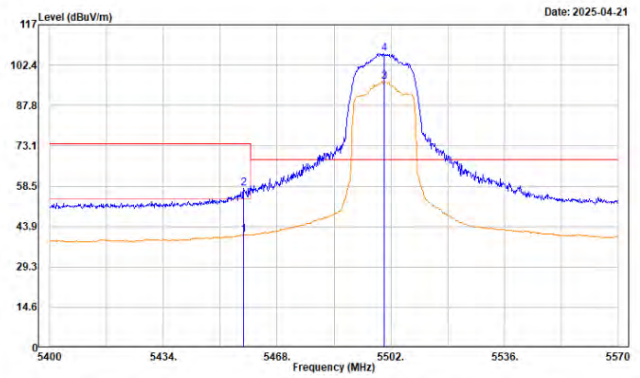
Description: AC20-TX-5500,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5459.670 | 44.24 | -3.59 | 40.65 | 54.00 | -13.35 | 126 | 19 | Average |
| 5459.670 | 61.02 | -3.59 | 57.43 | 74.00 | -16.57 | 126 | 19 | Peak |
| 5500.000 | 99.91 | -3.42 | 96.49 | | | 126 | 19 | Average |
| 5500.000 | 110.10 | -3.42 | 106.68 | | | 126 | 19 | Peak |

### Vertical

Description: AC20-TX-5500,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz

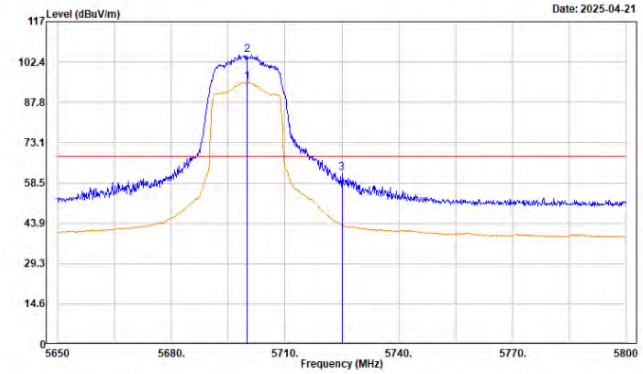



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5457.970 | 44.60 | -3.61 | 40.99 | 54.00 | -13.01 | 100 | 294 | Average |
| 5457.970 | 61.46 | -3.61 | 57.85 | 74.00 | -16.15 | 100 | 294 | Peak |
| 5500.000 | 99.83 | -3.42 | 96.41 | | | 100 | 294 | Average |
| 5500.000 | 110.10 | -3.42 | 106.68 | | | 100 | 294 | Peak |

## (802.11ac VHT20 Mode, 5700 MHz)

### Horizontal

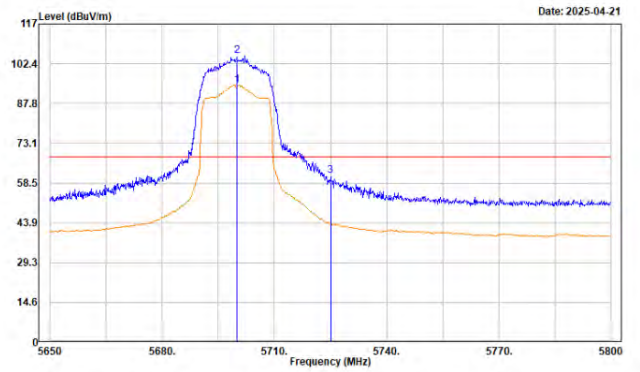
Description: AC20-TX-5700,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5700.000 | 99.17 | -4.02 | 95.15 | | | 107 | 16 | Average |
| 5700.000 | 109.07 | -4.02 | 105.05 | | | 107 | 16 | Peak |
| 5725.000 | 65.98 | -3.94 | 62.04 | 68.20 | -6.16 | 107 | 16 | Peak |

### Vertical

Description: AC20-TX-5700,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz



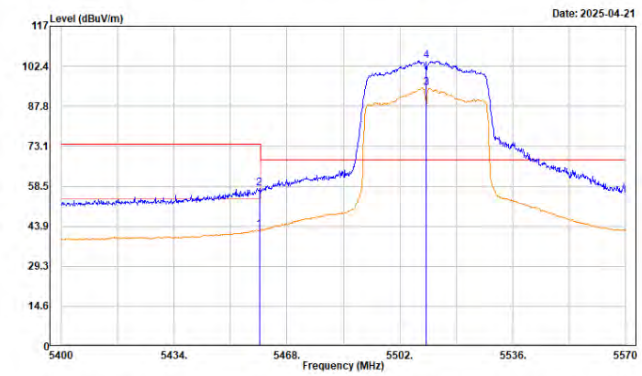

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5700.000 | 98.54 | -4.02 | 94.52 | | | 100 | 291 | Average |
| 5700.000 | 109.20 | -4.02 | 105.18 | | | 100 | 291 | Peak |
| 5725.000 | 65.14 | -3.94 | 61.20 | 68.20 | -7.00 | 100 | 291 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## (802.11ac VHT40 Mode, 5510 MHz)

### Horizontal

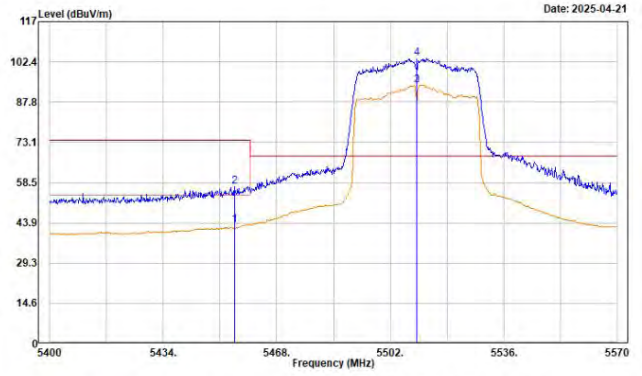
Description: AC40-TX-5510,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5459.670 | 46.02 | -3.59 | 42.43 | 54.00 | -11.57 | 170 | 23 | Average |
| 5459.670 | 61.40 | -3.59 | 57.81 | 74.00 | -16.19 | 170 | 23 | Peak |
| 5510.000 | 97.98 | -3.42 | 94.56 | | | 170 | 23 | Average |
| 5510.000 | 107.63 | -3.42 | 104.21 | | | 170 | 23 | Peak |

### Vertical

Description: AC40-TX-5510,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz

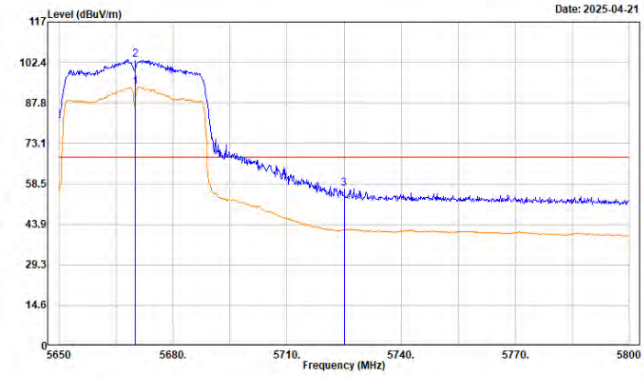



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5455.250 | 46.84 | -3.62 | 43.22 | 54.00 | -10.78 | 153 | 101 | Average |
| 5455.250 | 60.74 | -3.62 | 57.12 | 74.00 | -16.88 | 153 | 101 | Peak |
| 5510.000 | 97.39 | -3.42 | 93.97 | | | 153 | 101 | Average |
| 5510.000 | 107.08 | -3.42 | 103.66 | | | 153 | 101 | Peak |

## (802.11ac 40Mode, 5670 MHz)

### Horizontal

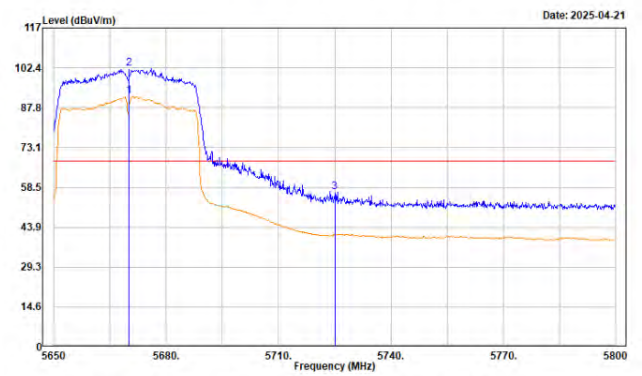
Description: AC40-TX-5670,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5670.000 | 97.66 | -4.02 | 93.64 | | | 160 | 20 | Average |
| 5670.000 | 107.40 | -4.02 | 103.38 | | | 160 | 20 | Peak |
| 5725.000 | 60.59 | -3.94 | 56.65 | 68.20 | -11.55 | 160 | 20 | Peak |

### Vertical

Description: AC40-TX-5670,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz



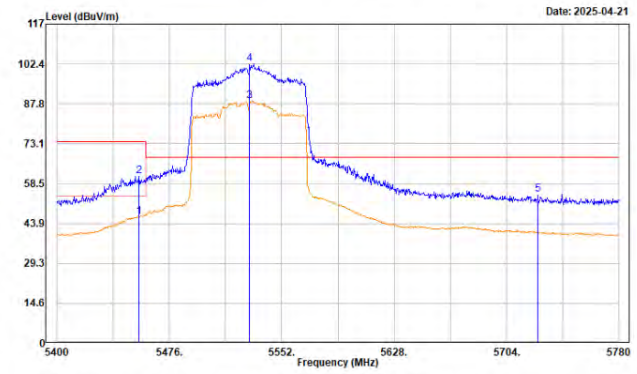

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5670.000 | 95.81 | -4.02 | 91.79 | | | 100 | 290 | Average |
| 5670.000 | 106.00 | -4.02 | 101.98 | | | 100 | 290 | Peak |
| 5725.000 | 60.56 | -3.94 | 56.62 | 68.20 | -11.58 | 100 | 290 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## (802.11ac VHT80 Mode, 5530 MHz)

### Horizontal

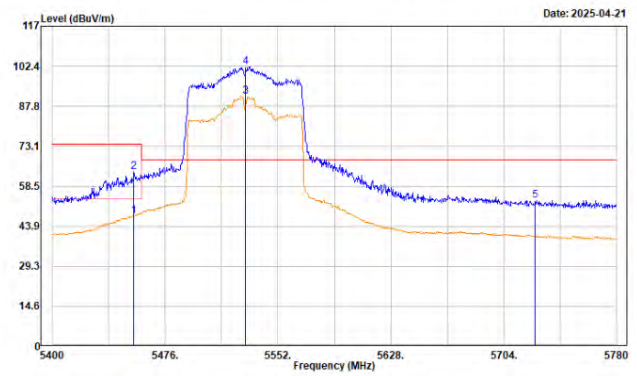
Description: AC80-TX-5530,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5455.480 | 49.94 | -3.62 | 46.32 | 54.00 | -7.68 | 151 | 25 | Average |
| 5455.480 | 64.75 | -3.62 | 61.13 | 74.00 | -12.87 | 151 | 25 | Peak |
| 5530.000 | 92.17 | -3.28 | 88.89 | | | 151 | 25 | Average |
| 5530.000 | 105.70 | -3.28 | 102.42 | | | 151 | 25 | Peak |
| 5725.000 | 58.54 | -3.94 | 54.60 | 68.20 | -13.60 | 151 | 25 | Peak |

### Vertical

Description: AC80-TX-5530,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz

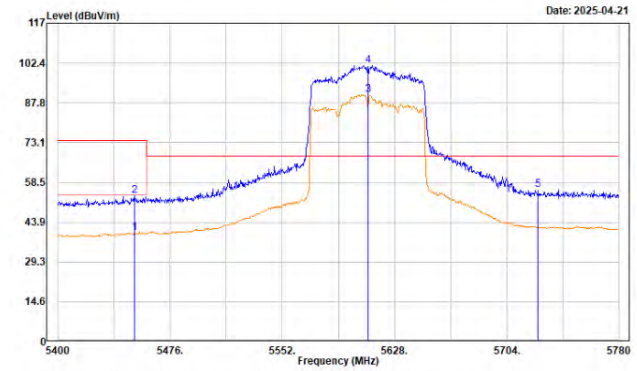



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5455.100 | 51.25 | -3.62 | 47.63 | 54.00 | -6.37 | 149 | 102 | Average |
| 5455.100 | 67.20 | -3.62 | 63.58 | 74.00 | -10.42 | 149 | 102 | Peak |
| 5530.000 | 94.64 | -3.28 | 91.36 | | | 149 | 102 | Average |
| 5530.000 | 105.32 | -3.28 | 102.04 | | | 149 | 102 | Peak |
| 5725.000 | 57.24 | -3.94 | 53.30 | 68.20 | -14.90 | 149 | 102 | Peak |

## (802.11ac VHT80 Mode, 5610 MHz)

### Horizontal

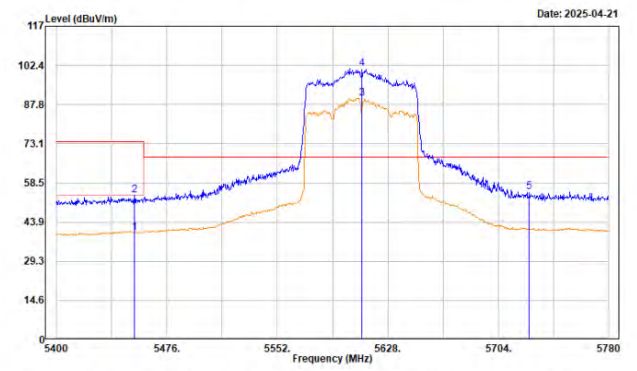
Job No.: RXZ250213056
Standard: NCC,ISED,FCC UNII-PK Ant.Polar:Horizontal
Test Site: 966A Chamber Distance: 3m
Temp.(℃)/Hum.(%RH): 24.7(℃)/69%RH Test by: Nick
Description: AC80-TX-5610,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5451.680 | 43.44 | -3.63 | 39.81 | 54.00 | -14.19 | 157 | 25 | Average |
| 5451.680 | 57.28 | -3.63 | 53.65 | 74.00 | -20.35 | 157 | 25 | Peak |
| 5610.000 | 94.04 | -3.41 | 90.63 | | | 157 | 25 | Average |
| 5610.000 | 105.00 | -3.41 | 101.59 | | | 157 | 25 | Peak |
| 5725.000 | 59.75 | -3.94 | 55.81 | 68.20 | -12.39 | 157 | 25 | Peak |

### Vertical

Job No.: RXZ250213056
Standard: NCC,ISED,FCC UNII-PK Ant.Polar:Vertical
Test Site: 966A Chamber Distance: 3m
Temp.(℃)/Hum.(%RH): 24.7(℃)/69%RH Test by: Nick
Description: AC80-TX-5610,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:5kHz



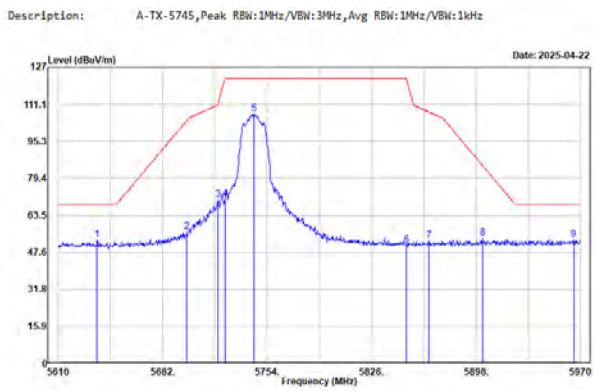

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5453.960 | 43.51 | -3.62 | 39.89 | 54.00 | -14.11 | 154 | 99 | Average |
| 5453.960 | 57.42 | -3.62 | 53.80 | 74.00 | -20.20 | 154 | 99 | Peak |
| 5610.000 | 93.59 | -3.41 | 90.18 | | | 154 | 99 | Average |
| 5610.000 | 104.61 | -3.41 | 101.20 | | | 154 | 99 | Peak |
| 5725.000 | 58.99 | -3.94 | 55.05 | 68.20 | -13.15 | 154 | 99 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5725-5850 MHz**

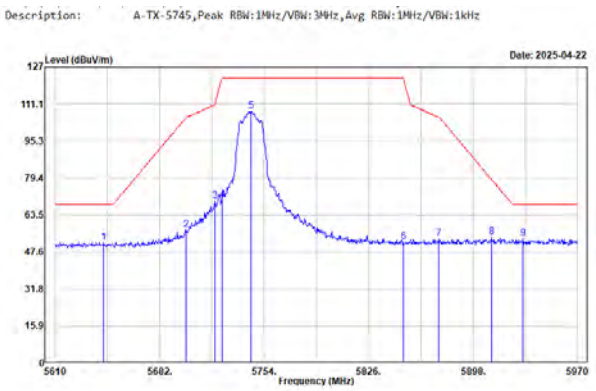
## 802.11a Mode, 5745 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5636.640 | 56.71 | -3.55 | 53.16 | 68.20 | -15.04 | 156 | 20 | Peak |
| 5698.560 | 60.62 | -4.01 | 56.61 | 104.14 | -47.53 | 156 | 20 | Peak |
| 5720.160 | 74.13 | -3.96 | 70.17 | 111.17 | -41.00 | 156 | 20 | Peak |
| 5725.000 | 74.63 | -3.94 | 70.69 | 122.20 | -51.51 | 156 | 20 | Peak |
| 5745.000 | 111.03 | -3.88 | 107.15 | | | 156 | 20 | Peak |
| 5850.000 | 54.04 | -3.59 | 50.45 | 122.20 | -71.75 | 156 | 20 | Peak |
| 5865.240 | 56.05 | -3.44 | 52.61 | 107.93 | -55.32 | 156 | 20 | Peak |
| 5902.320 | 56.50 | -2.93 | 53.57 | 84.94 | -31.37 | 156 | 20 | Peak |
| 5965.320 | 55.63 | -2.66 | 52.97 | 68.20 | -15.23 | 156 | 20 | Peak |

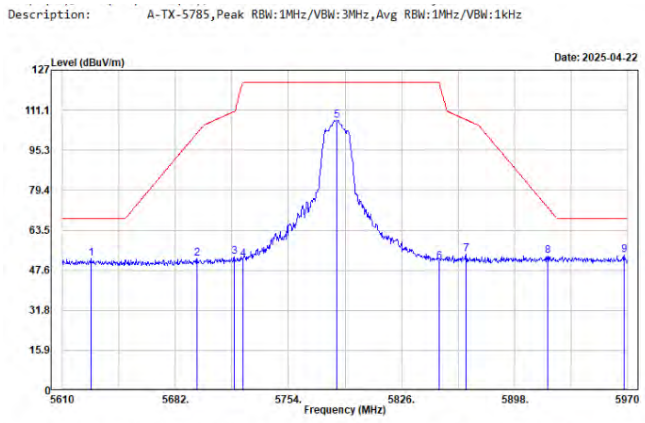
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5643.120 | 55.40 | -3.60 | 51.80 | 68.20 | -16.40 | 179 | 12 | Peak |
| 5700.000 | 61.05 | -4.02 | 57.03 | 105.20 | -48.17 | 179 | 12 | Peak |
| 5720.160 | 73.53 | -3.96 | 69.57 | 111.17 | -41.60 | 179 | 12 | Peak |
| 5725.000 | 73.70 | -3.94 | 69.76 | 122.20 | -52.44 | 179 | 12 | Peak |
| 5745.000 | 112.10 | -3.88 | 108.22 | | | 179 | 12 | Peak |
| 5850.000 | 55.62 | -3.59 | 52.03 | 122.20 | -70.17 | 179 | 12 | Peak |
| 5874.600 | 56.52 | -3.34 | 53.18 | 105.31 | -52.13 | 179 | 12 | Peak |
| 5910.600 | 56.86 | -2.75 | 54.11 | 78.82 | -24.71 | 179 | 12 | Peak |
| 5932.560 | 56.10 | -2.72 | 53.38 | 68.20 | -14.82 | 179 | 12 | Peak |

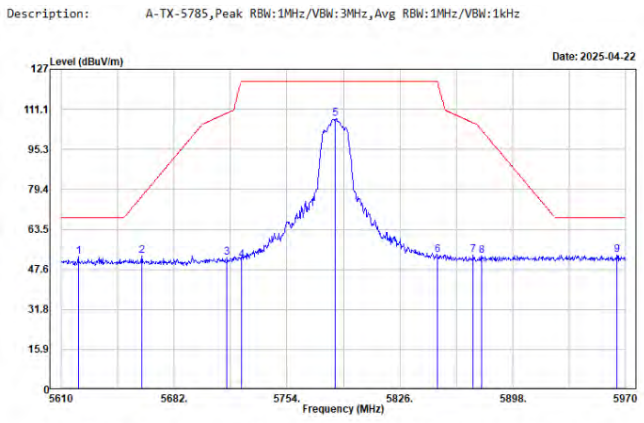
## 802.11a Mode, 5785 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5628.000 | 55.94 | -3.51 | 52.43 | 68.20 | -15.77 | 163 | 29 | Peak |
| 5695.680 | 56.14 | -3.99 | 52.15 | 102.02 | -49.87 | 163 | 29 | Peak |
| 5719.440 | 56.92 | -3.96 | 52.96 | 110.64 | -57.68 | 163 | 29 | Peak |
| 5725.000 | 56.01 | -3.94 | 52.07 | 122.20 | -70.13 | 163 | 29 | Peak |
| 5785.000 | 110.95 | -3.76 | 107.19 | | | 163 | 29 | Peak |
| 5850.000 | 54.68 | -3.59 | 51.09 | 122.20 | -71.11 | 163 | 29 | Peak |
| 5867.400 | 57.33 | -3.42 | 53.91 | 107.33 | -53.42 | 163 | 29 | Peak |
| 5919.240 | 56.27 | -2.75 | 53.52 | 72.45 | -18.93 | 163 | 29 | Peak |
| 5967.840 | 56.35 | -2.65 | 53.70 | 68.20 | -14.50 | 163 | 29 | Peak |

### Vertical

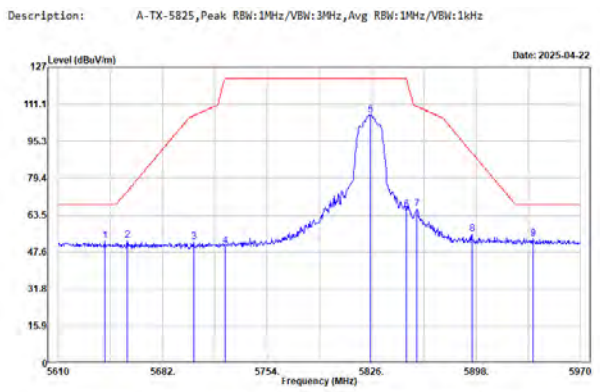



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5620.800 | 56.24 | -3.46 | 52.78 | 68.20 | -15.42 | 165 | 24 | Peak |
| 5661.480 | 56.65 | -3.72 | 52.93 | 76.72 | -23.79 | 165 | 24 | Peak |
| 5715.840 | 56.38 | -3.97 | 52.41 | 109.64 | -57.23 | 165 | 24 | Peak |
| 5725.000 | 55.23 | -3.94 | 51.29 | 122.20 | -70.91 | 165 | 24 | Peak |
| 5785.000 | 111.19 | -3.76 | 107.43 | | | 165 | 24 | Peak |
| 5850.000 | 56.87 | -3.59 | 53.28 | 122.20 | -68.92 | 165 | 24 | Peak |
| 5872.800 | 56.76 | -3.36 | 53.40 | 105.82 | -52.42 | 165 | 24 | Peak |
| 5878.200 | 56.38 | -3.30 | 53.08 | 102.82 | -49.74 | 165 | 24 | Peak |
| 5964.240 | 56.06 | -2.66 | 53.40 | 68.20 | -14.80 | 165 | 24 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

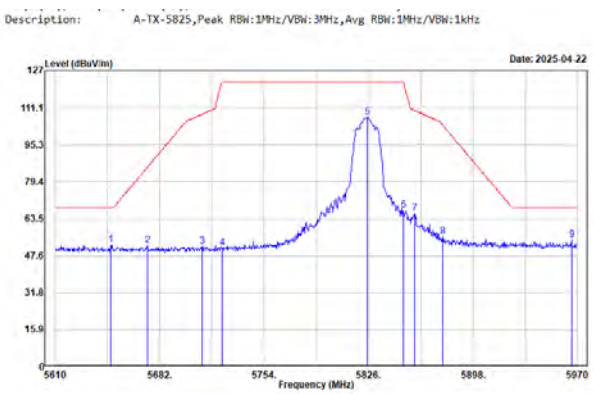
## 802.11a Mode, 5825 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5642.040 | 55.75 | -3.59 | 52.16 | 68.20 | -16.04 | 154 | 27 | Peak |
| 5657.520 | 56.23 | -3.69 | 52.54 | 73.79 | -21.25 | 154 | 27 | Peak |
| 5703.240 | 55.89 | -4.01 | 51.88 | 106.11 | -54.23 | 154 | 27 | Peak |
| 5725.000 | 54.26 | -3.94 | 50.32 | 122.20 | -71.88 | 154 | 27 | Peak |
| 5825.000 | 110.16 | -3.65 | 106.51 | | | 154 | 27 | Peak |
| 5850.000 | 69.39 | -3.59 | 65.80 | 122.20 | -56.40 | 154 | 27 | Peak |
| 5857.320 | 69.49 | -3.52 | 65.97 | 110.15 | -44.18 | 154 | 27 | Peak |
| 5895.120 | 58.59 | -3.12 | 55.47 | 90.27 | -34.80 | 154 | 27 | Peak |
| 5937.240 | 56.15 | -2.72 | 53.43 | 68.20 | -14.77 | 154 | 27 | Peak |

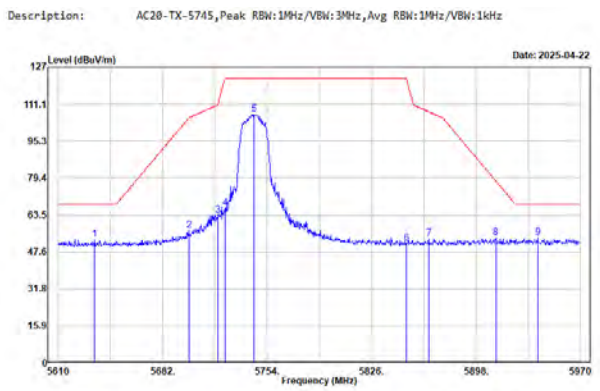
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5648.160 | 55.81 | -3.63 | 52.18 | 68.20 | -16.02 | 148 | 26 | Peak |
| 5673.360 | 55.81 | -3.81 | 52.00 | 85.53 | -33.53 | 148 | 26 | Peak |
| 5711.160 | 55.65 | -3.99 | 51.66 | 108.33 | -56.67 | 148 | 26 | Peak |
| 5725.000 | 54.94 | -3.94 | 51.00 | 122.20 | -71.20 | 148 | 26 | Peak |
| 5825.000 | 110.76 | -3.65 | 107.11 | | | 148 | 26 | Peak |
| 5850.000 | 70.66 | -3.59 | 67.07 | 122.20 | -55.13 | 148 | 26 | Peak |
| 5857.680 | 69.32 | -3.51 | 65.81 | 110.05 | -44.24 | 148 | 26 | Peak |
| 5877.120 | 59.20 | -3.31 | 55.89 | 103.62 | -47.73 | 148 | 26 | Peak |
| 5966.040 | 56.96 | -2.66 | 54.30 | 68.20 | -13.90 | 148 | 26 | Peak |

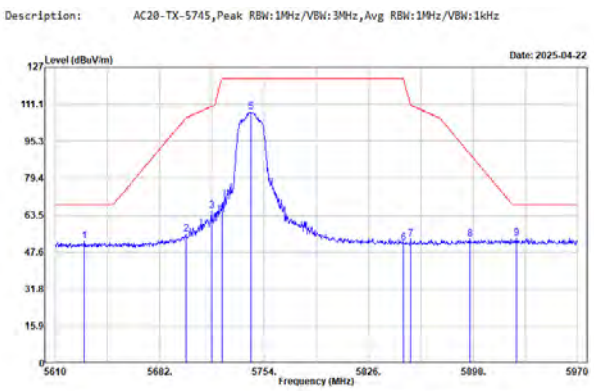
## 802.11ac VHT20 Mode, 5745 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5634.840 | 56.55 | -3.54 | 53.01 | 68.20 | -15.19 | 170 | 21 | Peak |
| 5700.000 | 60.81 | -4.02 | 56.79 | 105.20 | -48.41 | 170 | 21 | Peak |
| 5720.160 | 67.41 | -3.96 | 63.45 | 111.17 | -47.72 | 170 | 21 | Peak |
| 5725.000 | 70.27 | -3.94 | 66.33 | 122.20 | -55.87 | 170 | 21 | Peak |
| 5745.000 | 110.67 | -3.88 | 106.79 | | | 170 | 21 | Peak |
| 5850.000 | 54.81 | -3.59 | 51.22 | 122.20 | -70.98 | 170 | 21 | Peak |
| 5865.240 | 56.76 | -3.44 | 53.32 | 107.93 | -54.61 | 170 | 21 | Peak |
| 5911.680 | 56.52 | -2.75 | 53.77 | 78.03 | -24.26 | 170 | 21 | Peak |
| 5940.480 | 56.39 | -2.70 | 53.69 | 68.20 | -14.51 | 170 | 21 | Peak |

### Vertical



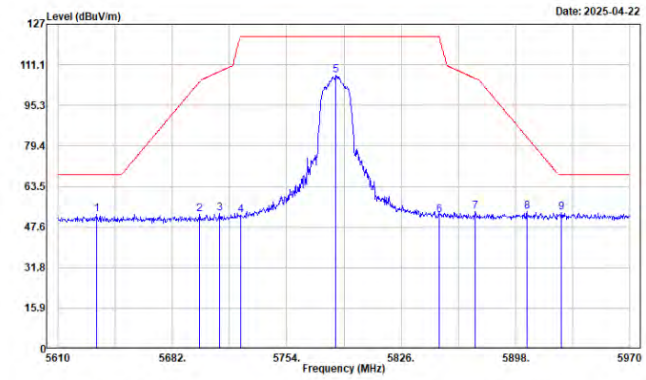

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5630.160 | 55.76 | -3.51 | 52.25 | 68.20 | -15.95 | 189 | 8 | Peak |
| 5700.000 | 59.55 | -4.02 | 55.53 | 105.20 | -49.67 | 189 | 8 | Peak |
| 5717.640 | 69.36 | -3.96 | 65.40 | 110.14 | -44.74 | 189 | 8 | Peak |
| 5725.000 | 68.93 | -3.94 | 64.99 | 122.20 | -57.21 | 189 | 8 | Peak |
| 5745.000 | 111.67 | -3.88 | 107.79 | | | 189 | 8 | Peak |
| 5850.000 | 55.05 | -3.59 | 51.46 | 122.20 | -70.74 | 189 | 8 | Peak |
| 5854.800 | 56.88 | -3.54 | 53.34 | 111.26 | -57.92 | 189 | 8 | Peak |
| 5895.840 | 56.45 | -3.11 | 53.34 | 89.74 | -36.40 | 189 | 8 | Peak |
| 5928.240 | 56.43 | -2.73 | 53.70 | 68.20 | -14.50 | 189 | 8 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 802.11ac VHT20 Mode, 5785 MHz

### Horizontal

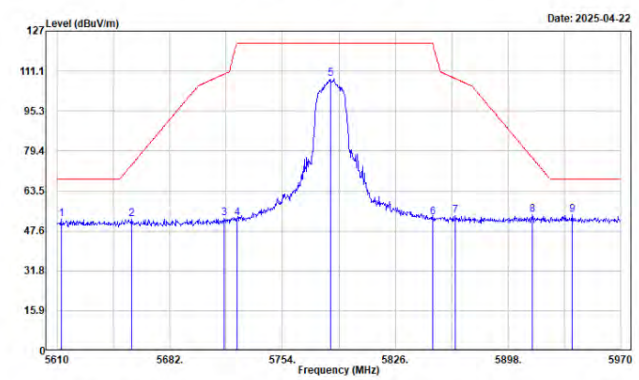
Description: AC20-TX-5785,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5634.480 | 56.08 | -3.54 | 52.54 | 68.20 | -15.66 | 179 | 24 | Peak |
| 5699.280 | 56.80 | -4.01 | 52.79 | 104.67 | -51.88 | 179 | 24 | Peak |
| 5711.520 | 56.94 | -3.99 | 52.95 | 108.43 | -55.48 | 179 | 24 | Peak |
| 5725.000 | 56.12 | -3.94 | 52.18 | 122.20 | -70.02 | 179 | 24 | Peak |
| 5785.000 | 110.90 | -3.76 | 107.14 | | | 179 | 24 | Peak |
| 5850.000 | 56.00 | -3.59 | 52.41 | 122.20 | -69.79 | 179 | 24 | Peak |
| 5872.800 | 56.99 | -3.36 | 53.63 | 105.82 | -52.19 | 179 | 24 | Peak |
| 5905.200 | 56.57 | -2.77 | 53.80 | 82.81 | -29.01 | 179 | 24 | Peak |
| 5926.800 | 56.05 | -2.74 | 53.31 | 68.20 | -14.89 | 179 | 24 | Peak |

### Vertical

Description: AC20-TX-5785,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz

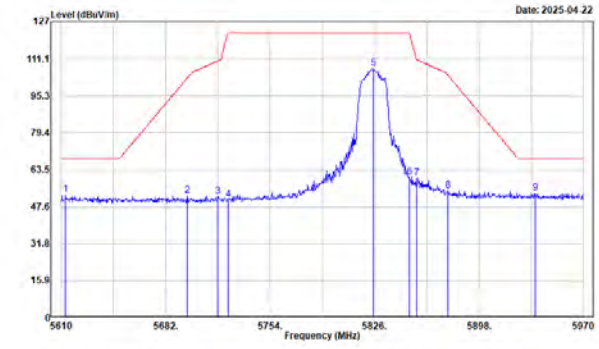



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5612.520 | 55.87 | -3.42 | 52.45 | 68.20 | -15.75 | 180 | 8 | Peak |
| 5657.520 | 56.02 | -3.69 | 52.33 | 73.79 | -21.46 | 180 | 8 | Peak |
| 5716.920 | 56.66 | -3.97 | 52.69 | 109.94 | -57.25 | 180 | 8 | Peak |
| 5725.000 | 56.56 | -3.94 | 52.62 | 122.20 | -69.58 | 180 | 8 | Peak |
| 5785.000 | 111.79 | -3.76 | 108.03 | | | 180 | 8 | Peak |
| 5850.000 | 56.51 | -3.59 | 52.92 | 122.20 | -69.28 | 180 | 8 | Peak |
| 5864.520 | 56.99 | -3.44 | 53.55 | 108.13 | -54.58 | 180 | 8 | Peak |
| 5913.480 | 56.75 | -2.75 | 54.00 | 76.70 | -22.70 | 180 | 8 | Peak |
| 5939.040 | 56.64 | -2.70 | 53.94 | 68.20 | -14.26 | 180 | 8 | Peak |

## 802.11ac VHT20 Mode, 5825 MHz

### Horizontal

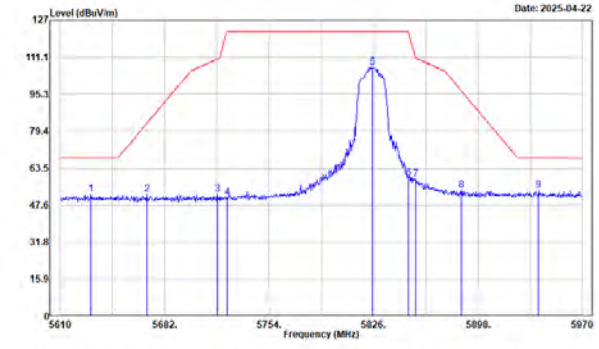
Description: AC20-TX-5825,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5612.880 | 56.03 | -3.42 | 52.61 | 68.20 | -15.59 | 168 | 30 | Peak |
| 5696.760 | 56.21 | -3.99 | 52.22 | 102.81 | -50.59 | 168 | 30 | Peak |
| 5718.000 | 56.04 | -3.96 | 52.08 | 110.24 | -58.16 | 168 | 30 | Peak |
| 5725.000 | 54.64 | -3.94 | 50.70 | 122.20 | -71.50 | 168 | 30 | Peak |
| 5825.000 | 110.61 | -3.66 | 106.95 | | | 168 | 30 | Peak |
| 5850.000 | 63.93 | -3.59 | 60.34 | 122.20 | -61.86 | 168 | 30 | Peak |
| 5854.800 | 63.30 | -3.54 | 59.76 | 111.26 | -51.50 | 168 | 30 | Peak |
| 5876.760 | 57.61 | -3.31 | 54.30 | 103.89 | -49.59 | 168 | 30 | Peak |
| 5936.880 | 55.99 | -2.72 | 53.27 | 68.20 | -14.93 | 168 | 30 | Peak |

### Vertical

Description: AC20-TX-5825,Peak RBW:1MHz/VBW:3MHz,Avg RBW:1MHz/VBW:1kHz

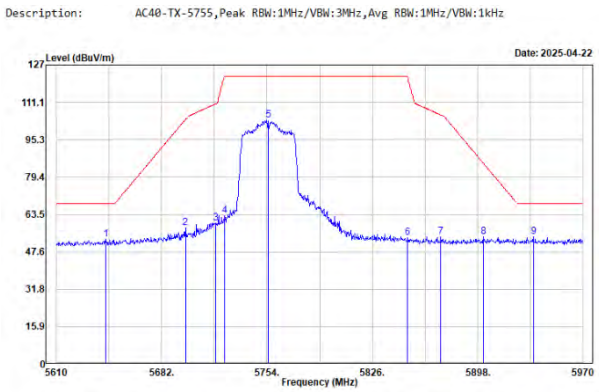



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5631.240 | 55.74 | -3.52 | 52.22 | 68.20 | -15.98 | 144 | 24 | Peak |
| 5669.760 | 56.07 | -3.79 | 52.28 | 82.86 | -30.58 | 144 | 24 | Peak |
| 5718.360 | 56.20 | -3.96 | 52.24 | 110.34 | -58.10 | 144 | 24 | Peak |
| 5725.000 | 54.83 | -3.94 | 50.89 | 122.20 | -71.31 | 144 | 24 | Peak |
| 5825.000 | 110.48 | -3.66 | 106.82 | | | 144 | 24 | Peak |
| 5850.000 | 62.74 | -3.59 | 59.15 | 122.20 | -63.05 | 144 | 24 | Peak |
| 5854.800 | 62.49 | -3.54 | 58.95 | 111.26 | -52.31 | 144 | 24 | Peak |
| 5886.480 | 57.40 | -3.22 | 54.18 | 96.68 | -42.50 | 144 | 24 | Peak |
| 5939.760 | 56.75 | -2.70 | 54.05 | 68.20 | -14.15 | 144 | 24 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

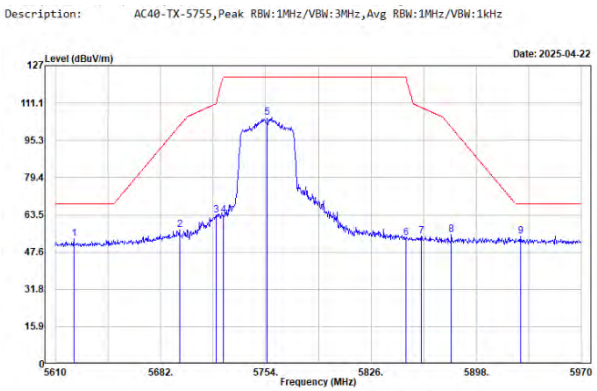
## 802.11ac VHT40 Mode, 5755 MHz

### Horizontal




| Freq. MHz | Reading dBuV | Factor dB/m | Level dBuV/m | Limit dBuV/m | Margin dB | Height (cm) | Degree (°) | Remark |
|---|---|---|---|---|---|---|---|---|
| 5643.480 | 56.47 | -3.60 | 52.87 | 68.20 | -15.33 | 184 | 25 | Peak |
| 5698.200 | 61.67 | -4.01 | 57.66 | 103.87 | -46.21 | 184 | 25 | Peak |
| 5718.720 | 63.83 | -3.96 | 59.87 | 110.44 | -50.57 | 184 | 25 | Peak |
| 5725.000 | 67.07 | -3.94 | 63.13 | 122.20 | -59.07 | 184 | 25 | Peak |
| 5755.000 | 107.28 | -3.85 | 103.43 | | | 184 | 25 | Peak |
| 5850.000 | 57.32 | -3.59 | 53.73 | 122.20 | -68.47 | 184 | 25 | Peak |
| 5872.800 | 57.38 | -3.36 | 54.02 | 105.82 | -51.80 | 184 | 25 | Peak |
| 5901.960 | 56.85 | -2.95 | 53.90 | 85.21 | -31.31 | 184 | 25 | Peak |
| 5936.160 | 56.82 | -2.72 | 54.10 | 68.20 | -14.10 | 184 | 25 | Peak |

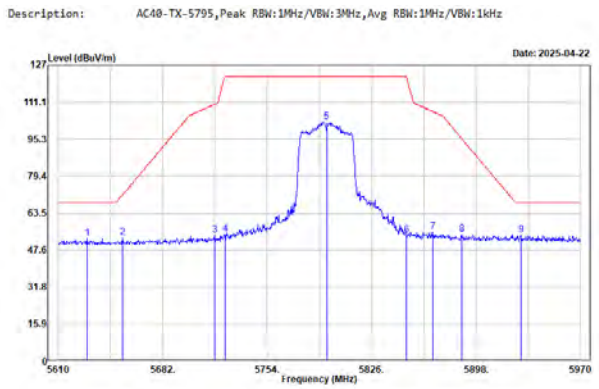
### Vertical




| Freq. MHz | Reading dBuV | Factor dB/m | Level dBuV/m | Limit dBuV/m | Margin dB | Height (cm) | Degree (°) | Remark |
|---|---|---|---|---|---|---|---|---|
| 5622.600 | 56.73 | -3.48 | 53.25 | 68.20 | -14.95 | 183 | 14 | Peak |
| 5694.960 | 60.97 | -3.98 | 56.99 | 101.49 | -44.50 | 183 | 14 | Peak |
| 5719.800 | 67.21 | -3.96 | 63.25 | 110.74 | -47.49 | 183 | 14 | Peak |
| 5725.000 | 67.26 | -3.94 | 63.32 | 122.20 | -58.88 | 183 | 14 | Peak |
| 5755.000 | 108.83 | -3.85 | 104.98 | | | 183 | 14 | Peak |
| 5850.000 | 57.29 | -3.59 | 53.70 | 122.20 | -68.50 | 183 | 14 | Peak |
| 5860.560 | 57.89 | -3.47 | 54.42 | 109.24 | -54.82 | 183 | 14 | Peak |
| 5881.080 | 58.34 | -3.27 | 55.07 | 100.68 | -45.61 | 183 | 14 | Peak |
| 5928.600 | 57.24 | -2.73 | 54.51 | 68.20 | -13.69 | 183 | 14 | Peak |

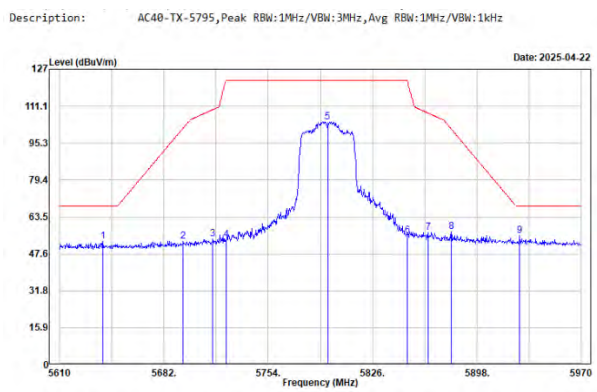
## 802.11ac VHT40 Mode, 5795 MHz

### Horizontal




| Freq. MHz | Reading dBuV | Factor dB/m | Level dBuV/m | Limit dBuV/m | Margin dB | Height (cm) | Degree (°) | Remark |
|---|---|---|---|---|---|---|---|---|
| 5629.800 | 56.30 | -3.52 | 52.78 | 68.20 | -15.42 | 183 | 31 | Peak |
| 5654.280 | 56.53 | -3.66 | 52.87 | 71.38 | -18.51 | 183 | 31 | Peak |
| 5718.000 | 58.00 | -3.96 | 54.04 | 110.24 | -56.20 | 183 | 31 | Peak |
| 5725.000 | 58.27 | -3.94 | 54.33 | 122.20 | -67.87 | 183 | 31 | Peak |
| 5795.000 | 106.20 | -3.73 | 102.47 | | | 183 | 31 | Peak |
| 5850.000 | 57.60 | -3.59 | 54.01 | 122.20 | -68.19 | 183 | 31 | Peak |
| 5868.480 | 58.74 | -3.41 | 55.33 | 107.02 | -51.69 | 183 | 31 | Peak |
| 5887.920 | 57.56 | -3.20 | 54.36 | 95.61 | -41.25 | 183 | 31 | Peak |
| 5928.960 | 56.74 | -2.72 | 54.02 | 68.20 | -14.18 | 183 | 31 | Peak |

### Vertical

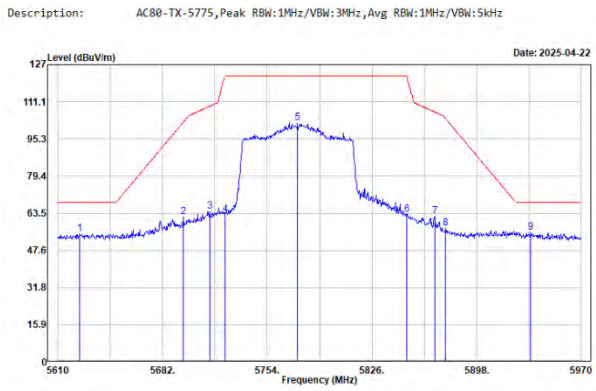



| Freq. MHz | Reading dBuV | Factor dB/m | Level dBuV/m | Limit dBuV/m | Margin dB | Height (cm) | Degree (°) | Remark |
|---|---|---|---|---|---|---|---|---|
| 5639.880 | 56.51 | -3.58 | 52.93 | 68.20 | -15.27 | 185 | 11 | Peak |
| 5695.320 | 57.07 | -3.98 | 53.09 | 101.75 | -48.66 | 185 | 11 | Peak |
| 5715.840 | 58.07 | -3.97 | 54.10 | 109.64 | -55.54 | 185 | 11 | Peak |
| 5725.000 | 57.69 | -3.94 | 53.75 | 122.20 | -68.45 | 185 | 11 | Peak |
| 5795.000 | 108.18 | -3.73 | 104.45 | | | 185 | 11 | Peak |
| 5850.000 | 58.92 | -3.59 | 55.33 | 122.20 | -66.87 | 185 | 11 | Peak |
| 5864.160 | 60.25 | -3.45 | 56.80 | 108.23 | -51.43 | 185 | 11 | Peak |
| 5880.360 | 60.52 | -3.28 | 57.24 | 101.22 | -43.98 | 185 | 11 | Peak |
| 5927.520 | 58.19 | -2.74 | 55.45 | 68.20 | -12.75 | 185 | 11 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

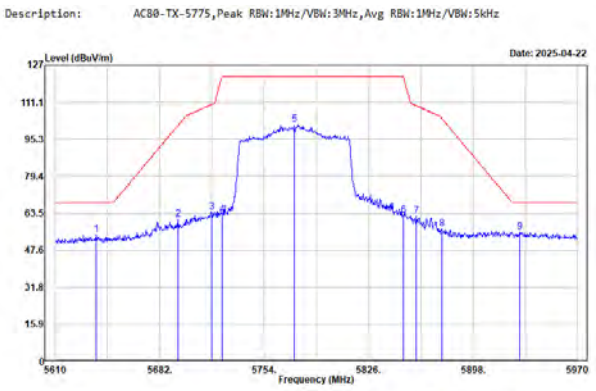
## 802.11ac VHT80 Mode, 5775 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5625.120 | 58.21 | -3.49 | 54.72 | 68.20 | -13.48 | 171 | 30 | Peak |
| 5696.400 | 65.92 | -3.99 | 61.93 | 102.55 | -40.62 | 171 | 30 | Peak |
| 5714.400 | 68.26 | -3.97 | 64.29 | 109.23 | -44.94 | 171 | 30 | Peak |
| 5725.000 | 66.81 | -3.94 | 62.87 | 122.20 | -59.33 | 171 | 30 | Peak |
| 5775.000 | 105.87 | -3.79 | 102.08 | | | 171 | 30 | Peak |
| 5850.000 | 66.69 | -3.59 | 63.10 | 122.20 | -59.10 | 171 | 30 | Peak |
| 5869.200 | 65.58 | -3.40 | 62.18 | 106.82 | -44.64 | 171 | 30 | Peak |
| 5876.760 | 60.53 | -3.31 | 57.22 | 103.89 | -46.67 | 171 | 30 | Peak |
| 5935.440 | 58.09 | -2.72 | 55.37 | 68.20 | -12.83 | 171 | 30 | Peak |

### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 5638.080 | 58.00 | -3.56 | 54.44 | 68.20 | -13.76 | 156 | 24 | Peak |
| 5694.600 | 64.83 | -3.98 | 60.85 | 101.22 | -40.37 | 156 | 24 | Peak |
| 5717.640 | 68.09 | -3.96 | 64.13 | 110.14 | -46.01 | 156 | 24 | Peak |
| 5725.000 | 66.92 | -3.94 | 62.98 | 122.20 | -59.22 | 156 | 24 | Peak |
| 5775.000 | 105.26 | -3.79 | 101.47 | | | 156 | 24 | Peak |
| 5850.000 | 66.26 | -3.59 | 62.67 | 122.20 | -59.53 | 156 | 24 | Peak |
| 5859.120 | 65.68 | -3.49 | 62.19 | 109.64 | -47.45 | 156 | 24 | Peak |
| 5876.400 | 60.22 | -3.32 | 56.90 | 104.16 | -47.26 | 156 | 24 | Peak |
| 5930.040 | 57.96 | -2.72 | 55.24 | 68.20 | -12.96 | 156 | 24 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

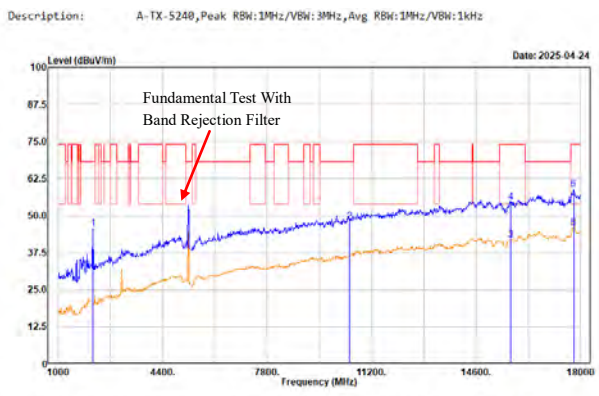
Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**1GHz-18GHz:**

**5150-5250 MHz**

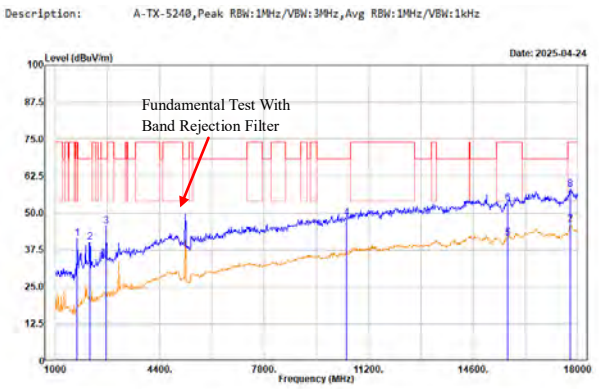
**802.11a Mode worst case is 5240 MHz**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 57.70 | -12.26 | 45.44 | 68.20 | -22.76 | 150 | 244 | Peak |
| 10480.000 | 40.80 | 7.13 | 47.93 | 68.20 | -20.27 | 144 | 308 | Peak |
| 15720.000 | 32.30 | 9.45 | 41.75 | 54.00 | -12.25 | 156 | 77 | Average |
| 15720.000 | 45.01 | 9.45 | 54.46 | 74.00 | -19.54 | 156 | 77 | Peak |
| 17779.000 | 32.51 | 13.41 | 45.92 | 54.00 | -8.08 | 150 | 7 | Average |
| 17779.000 | 45.44 | 13.41 | 58.85 | 74.00 | -15.15 | 150 | 7 | Peak |

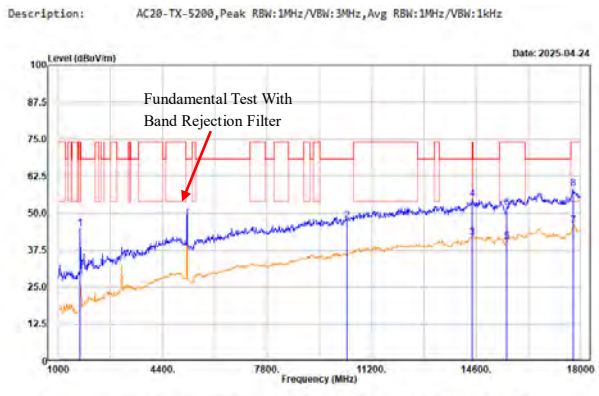
**Vertical**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 56.01 | -14.51 | 41.50 | 68.20 | -26.70 | 150 | 92 | Peak |
| 2122.000 | 52.40 | -12.26 | 40.14 | 68.20 | -28.06 | 150 | 146 | Peak |
| 2649.000 | 55.03 | -9.50 | 45.53 | 68.20 | -22.67 | 150 | 9 | Peak |
| 10480.000 | 41.17 | 7.13 | 48.30 | 68.20 | -19.90 | 144 | 323 | Peak |
| 15720.000 | 32.06 | 9.45 | 41.51 | 54.00 | -12.49 | 159 | 128 | Average |
| 15720.000 | 43.90 | 9.45 | 53.35 | 74.00 | -20.65 | 159 | 128 | Peak |
| 17762.000 | 32.77 | 13.39 | 46.16 | 54.00 | -7.84 | 150 | 256 | Average |
| 17762.000 | 44.58 | 13.39 | 57.97 | 74.00 | -16.03 | 150 | 256 | Peak |

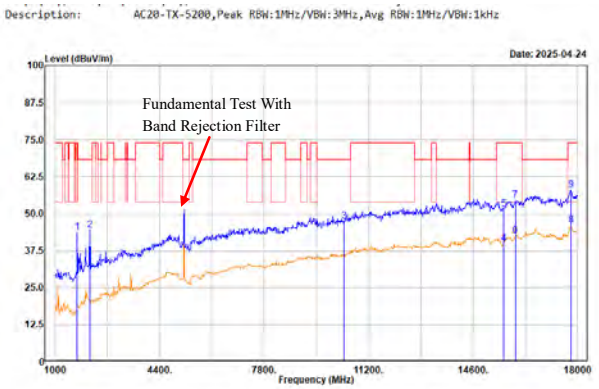
**802.11ac VHT20 Mode worst case is 5200 MHz**

**Horizontal**




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 59.23 | -14.51 | 44.72 | 68.20 | -23.48 | 150 | 7 | Peak |
| 10400.000 | 40.70 | 6.61 | 47.31 | 68.20 | -20.89 | 148 | 85 | Peak |
| 14481.000 | 29.96 | 11.83 | 41.79 | 54.00 | -12.21 | 150 | 308 | Average |
| 14481.000 | 42.93 | 11.83 | 54.76 | 74.00 | -19.24 | 150 | 308 | Peak |
| 15600.000 | 30.70 | 9.58 | 40.28 | 54.00 | -13.72 | 157 | 169 | Average |
| 15600.000 | 42.05 | 9.58 | 51.63 | 74.00 | -22.37 | 157 | 169 | Peak |
| 17762.000 | 32.37 | 13.39 | 45.76 | 54.00 | -8.24 | 150 | 152 | Average |
| 17762.000 | 44.76 | 13.39 | 58.15 | 74.00 | -15.85 | 150 | 152 | Peak |

**Vertical**

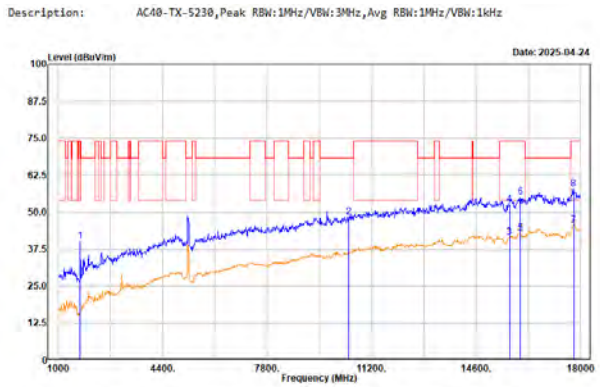



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 58.03 | -14.51 | 43.52 | 68.20 | -24.68 | 150 | 288 | Peak |
| 2122.000 | 56.74 | -12.26 | 44.48 | 68.20 | -23.72 | 150 | 14 | Peak |
| 10400.000 | 40.85 | 6.61 | 47.46 | 68.20 | -20.74 | 148 | 318 | Peak |
| 15600.000 | 30.37 | 9.58 | 39.95 | 54.00 | -14.05 | 156 | 126 | Average |
| 15600.000 | 41.79 | 9.58 | 51.37 | 74.00 | -22.63 | 156 | 126 | Peak |
| 15977.000 | 31.85 | 10.72 | 42.57 | 54.00 | -11.43 | 150 | 197 | Average |
| 15977.000 | 43.78 | 10.72 | 54.50 | 74.00 | -19.50 | 150 | 197 | Peak |
| 17796.000 | 32.59 | 13.44 | 46.03 | 54.00 | -7.97 | 150 | 46 | Average |
| 17796.000 | 44.68 | 13.44 | 58.12 | 74.00 | -15.88 | 150 | 46 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

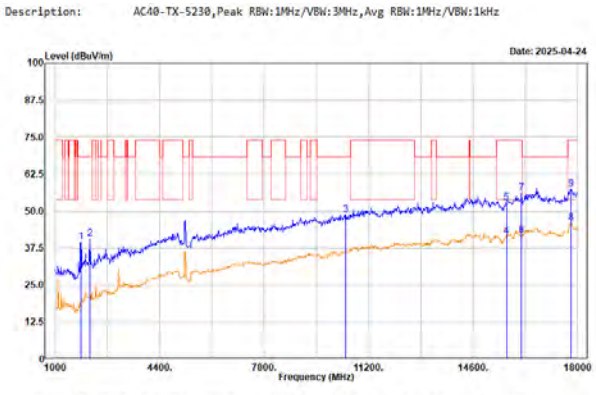
## 802.11ac VHT40 Mode worst case is 5230 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.51 | -14.51 | 40.00 | 68.20 | -28.20 | 150 | 11 | Peak |
| 10452.000 | 41.37 | 6.95 | 48.32 | 68.20 | -19.88 | 141 | 78 | Peak |
| 15690.000 | 32.19 | 9.36 | 41.55 | 54.00 | -12.45 | 159 | 167 | Average |
| 15690.000 | 43.31 | 9.36 | 52.67 | 74.00 | -21.33 | 159 | 167 | Peak |
| 16045.000 | 31.80 | 10.92 | 42.72 | 54.00 | -11.28 | 150 | 307 | Average |
| 16045.000 | 44.07 | 10.92 | 54.99 | 74.00 | -19.01 | 150 | 307 | Peak |
| 17779.000 | 32.24 | 13.41 | 45.65 | 54.00 | -8.35 | 150 | 236 | Average |
| 17779.000 | 44.21 | 13.41 | 57.62 | 74.00 | -16.38 | 150 | 236 | Peak |

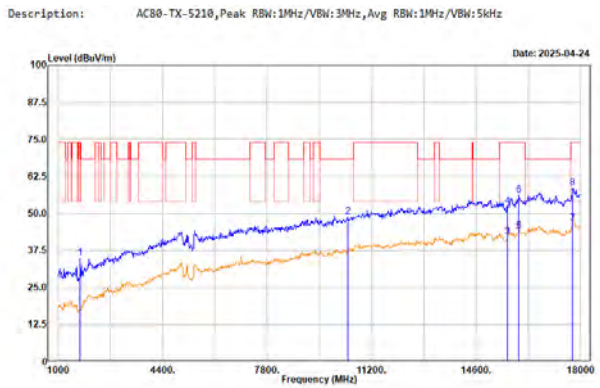
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1833.000 | 53.04 | -13.42 | 39.62 | 68.20 | -28.58 | 150 | 302 | Peak |
| 2122.000 | 52.85 | -12.26 | 40.59 | 68.20 | -27.61 | 150 | 347 | Peak |
| 10460.000 | 41.90 | 7.00 | 48.90 | 68.20 | -19.30 | 145 | 257 | Peak |
| 15690.000 | 32.15 | 9.36 | 41.51 | 54.00 | -12.49 | 158 | 101 | Average |
| 15690.000 | 43.55 | 9.36 | 52.91 | 74.00 | -21.09 | 158 | 101 | Peak |
| 16181.000 | 30.70 | 11.11 | 41.81 | 54.00 | -12.19 | 150 | 80 | Average |
| 16181.000 | 45.11 | 11.11 | 56.22 | 74.00 | -17.78 | 150 | 80 | Peak |
| 17796.000 | 32.65 | 13.44 | 46.09 | 54.00 | -7.91 | 150 | 15 | Average |
| 17796.000 | 43.91 | 13.44 | 57.35 | 74.00 | -16.65 | 150 | 15 | Peak |

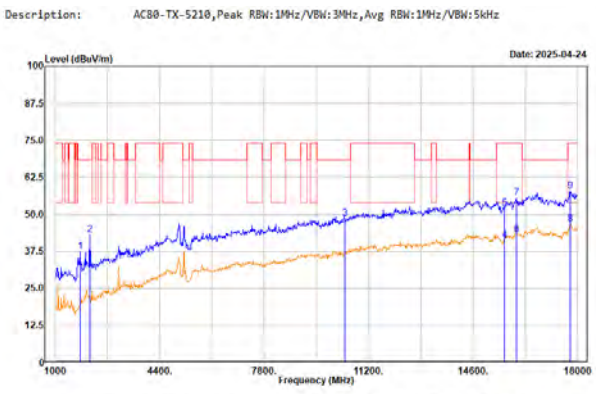
## 802.11ac VHT80 Mode worst case is 5210 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 49.54 | -14.51 | 35.03 | 68.20 | -33.17 | 150 | 12 | Peak |
| 10420.000 | 42.08 | 6.74 | 48.82 | 68.20 | -19.38 | 141 | 156 | Peak |
| 15630.000 | 32.44 | 9.51 | 41.95 | 54.00 | -12.05 | 156 | 147 | Average |
| 15630.000 | 42.91 | 9.51 | 52.42 | 74.00 | -21.58 | 156 | 147 | Peak |
| 15994.000 | 33.01 | 10.86 | 43.87 | 54.00 | -10.13 | 150 | 307 | Average |
| 15994.000 | 45.26 | 10.86 | 56.12 | 74.00 | -17.88 | 150 | 307 | Peak |
| 17745.000 | 33.23 | 13.36 | 46.59 | 54.00 | -7.41 | 150 | 288 | Average |
| 17745.000 | 45.31 | 13.36 | 58.67 | 74.00 | -15.33 | 150 | 288 | Peak |

### Vertical



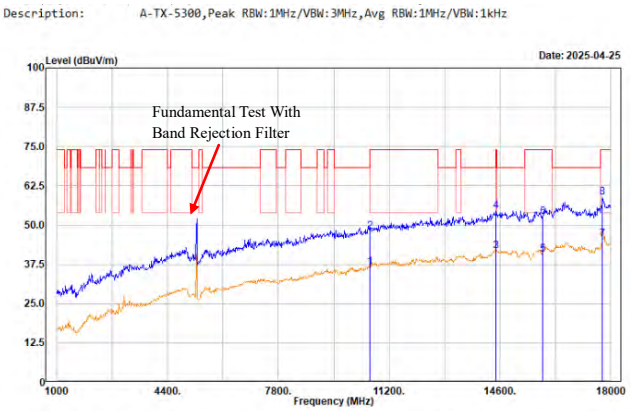

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1799.000 | 51.31 | -13.87 | 37.44 | 68.20 | -30.76 | 150 | 10 | Peak |
| 2122.000 | 55.30 | -12.26 | 43.04 | 68.20 | -25.16 | 150 | 18 | Peak |
| 10420.000 | 41.71 | 6.74 | 48.45 | 68.20 | -19.75 | 141 | 287 | Peak |
| 15630.000 | 31.70 | 9.51 | 41.21 | 54.00 | -12.79 | 154 | 36 | Average |
| 15630.000 | 42.61 | 9.51 | 52.12 | 74.00 | -21.88 | 154 | 36 | Peak |
| 16028.000 | 32.26 | 10.93 | 43.19 | 54.00 | -10.81 | 150 | 306 | Average |
| 16028.000 | 44.65 | 10.93 | 55.58 | 74.00 | -18.42 | 150 | 306 | Peak |
| 17762.000 | 33.13 | 13.39 | 46.52 | 54.00 | -7.48 | 150 | 195 | Average |
| 17762.000 | 44.29 | 13.39 | 57.68 | 74.00 | -16.32 | 150 | 195 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5250-5350 MHz**

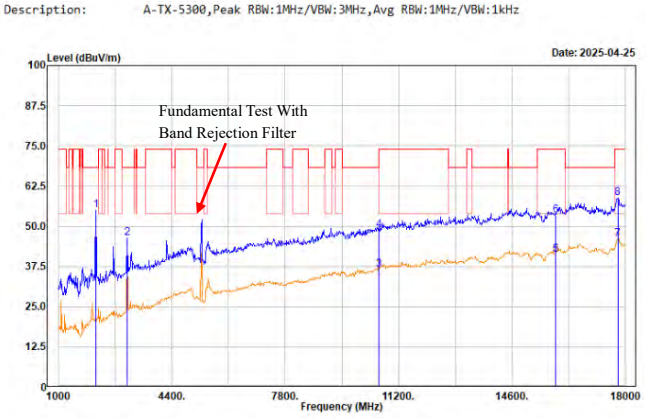
## 802.11a Mode worst case is 5300 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 10600.000 | 29.40 | 7.31 | 36.71 | 54.00 | -17.29 | 146 | 296 | Average |
| 10600.000 | 40.74 | 7.31 | 48.05 | 68.20 | -20.15 | 146 | 296 | Peak |
| 14481.000 | 30.01 | 11.83 | 41.84 | 54.00 | -12.16 | 150 | 34 | Average |
| 14481.000 | 42.58 | 11.83 | 54.41 | 74.00 | -19.59 | 150 | 34 | Peak |
| 15900.000 | 30.64 | 10.03 | 40.67 | 54.00 | -13.33 | 153 | 124 | Average |
| 15900.000 | 42.68 | 10.03 | 52.71 | 74.00 | -21.29 | 153 | 124 | Peak |
| 17745.000 | 32.18 | 13.36 | 45.54 | 54.00 | -8.46 | 150 | 147 | Average |
| 17745.000 | 45.39 | 13.36 | 58.75 | 74.00 | -15.25 | 150 | 147 | Peak |

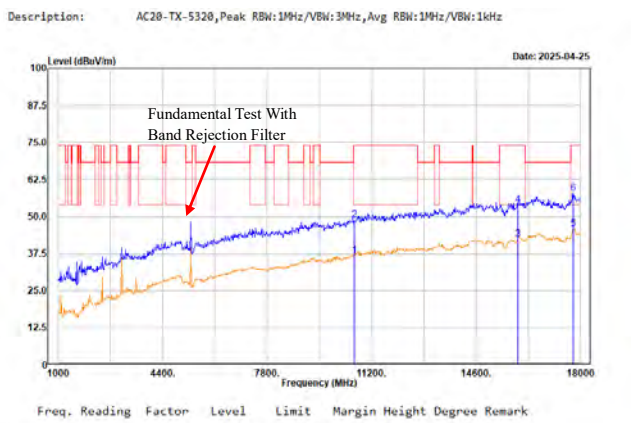
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 67.36 | -12.26 | 55.10 | 68.20 | -13.10 | 150 | 46 | Peak |
| 3074.000 | 54.36 | -7.96 | 46.40 | 68.20 | -21.80 | 259 | 40 | Peak |
| 10600.000 | 29.40 | 7.31 | 36.71 | 54.00 | -17.29 | 146 | 286 | Average |
| 10600.000 | 41.57 | 7.31 | 48.88 | 68.20 | -19.32 | 146 | 286 | Peak |
| 15900.000 | 31.13 | 10.03 | 41.16 | 54.00 | -12.84 | 156 | 318 | Average |
| 15900.000 | 43.46 | 10.03 | 53.49 | 74.00 | -20.51 | 156 | 319 | Peak |
| 17779.000 | 32.57 | 13.41 | 45.98 | 54.00 | -8.02 | 150 | 211 | Average |
| 17779.000 | 45.51 | 13.41 | 58.92 | 74.00 | -15.08 | 150 | 211 | Peak |

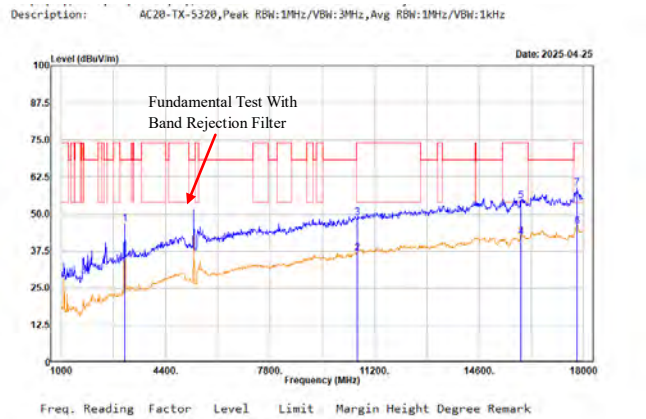
## 802.11ac VHT20 Mode worst case is 5320 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 10640.000 | 29.59 | 7.34 | 36.93 | 54.00 | -17.07 | 152 | 136 | Average |
| 10640.000 | 41.31 | 7.34 | 48.65 | 74.00 | -25.35 | 152 | 136 | Peak |
| 15960.000 | 31.78 | 10.56 | 42.34 | 54.00 | -11.66 | 144 | 112 | Average |
| 15960.000 | 43.38 | 10.56 | 53.94 | 74.00 | -20.06 | 144 | 112 | Peak |
| 17762.000 | 32.30 | 13.39 | 45.69 | 54.00 | -8.31 | 150 | 267 | Average |
| 17762.000 | 44.25 | 13.39 | 57.64 | 74.00 | -16.36 | 150 | 267 | Peak |

### Vertical

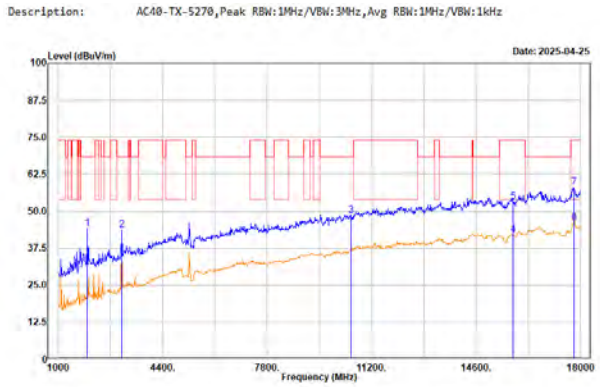



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 3074.000 | 54.66 | -7.96 | 46.70 | 68.20 | -21.50 | 150 | 16 | Peak |
| 10640.000 | 29.44 | 7.34 | 36.78 | 54.00 | -17.22 | 149 | 267 | Average |
| 10640.000 | 41.51 | 7.34 | 48.85 | 74.00 | -25.15 | 149 | 267 | Peak |
| 15960.000 | 31.77 | 10.56 | 42.33 | 54.00 | -11.67 | 151 | 125 | Average |
| 15960.000 | 43.82 | 10.56 | 54.38 | 74.00 | -19.62 | 151 | 125 | Peak |
| 17796.000 | 32.35 | 13.44 | 45.79 | 54.00 | -8.21 | 150 | 245 | Average |
| 17796.000 | 45.40 | 13.44 | 58.84 | 74.00 | -15.16 | 150 | 245 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

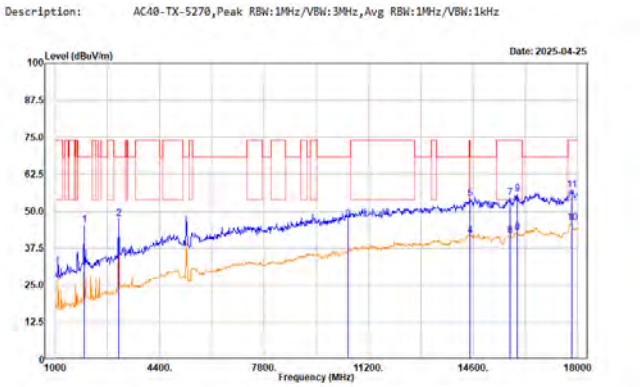
## 802.11ac VHT40 Mode worst case is 5270 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1952.000 | 56.13 | -12.00 | 44.13 | 68.20 | -24.07 | 150 | 358 | Peak |
| 3074.000 | 51.48 | -7.96 | 43.52 | 68.20 | -24.68 | 150 | 340 | Peak |
| 10540.000 | 41.25 | 7.28 | 48.53 | 68.20 | -19.67 | 158 | 238 | Peak |
| 15810.000 | 32.21 | 9.93 | 42.14 | 54.00 | -11.86 | 147 | 359 | Average |
| 15810.000 | 43.08 | 9.93 | 53.01 | 74.00 | -20.99 | 147 | 359 | Peak |
| 17796.000 | 32.65 | 13.44 | 46.09 | 54.00 | -7.91 | 150 | 93 | Average |
| 17796.000 | 44.54 | 13.44 | 57.98 | 74.00 | -16.02 | 150 | 93 | Peak |

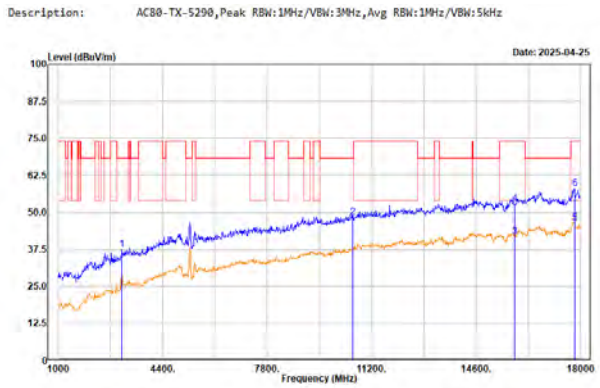
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1935.000 | 57.62 | -12.28 | 45.34 | 68.20 | -22.86 | 150 | 20 | Peak |
| 3074.000 | 55.49 | -7.96 | 47.53 | 68.20 | -20.67 | 150 | 122 | Peak |
| 10540.000 | 39.93 | 7.28 | 47.21 | 68.20 | -20.99 | 142 | 247 | Peak |
| 14498.000 | 29.91 | 11.89 | 41.80 | 54.00 | -12.20 | 150 | 256 | Average |
| 14498.000 | 42.42 | 11.89 | 54.31 | 74.00 | -19.69 | 150 | 256 | Peak |
| 15810.000 | 31.89 | 9.93 | 41.82 | 54.00 | -12.18 | 151 | 120 | Average |
| 15810.000 | 44.48 | 9.93 | 54.41 | 74.00 | -19.59 | 151 | 120 | Peak |
| 16045.000 | 31.81 | 10.92 | 42.73 | 54.00 | -11.27 | 150 | 46 | Average |
| 16045.000 | 44.82 | 10.92 | 55.74 | 74.00 | -18.26 | 150 | 46 | Peak |
| 17813.000 | 32.45 | 13.50 | 45.95 | 54.00 | -8.05 | 150 | 323 | Average |
| 17813.000 | 43.79 | 13.50 | 57.29 | 74.00 | -16.71 | 150 | 323 | Peak |

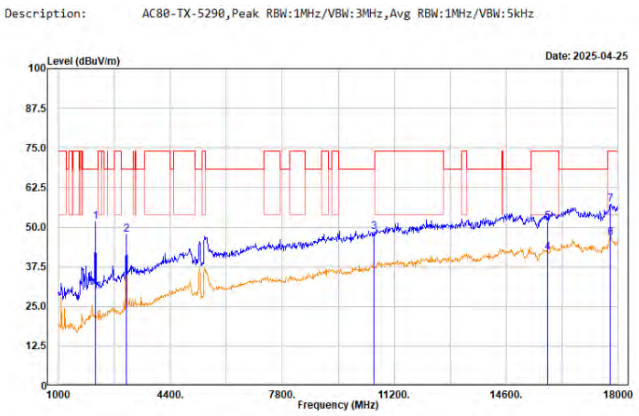
## 802.11ac VHT80 Mode worst case is 5290 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 3074.000 | 45.32 | -7.96 | 37.36 | 68.20 | -30.84 | 150 | 83 | Peak |
| 10580.000 | 41.02 | 7.30 | 48.32 | 68.20 | -19.88 | 145 | 341 | Peak |
| 15870.000 | 31.69 | 9.99 | 41.68 | 54.00 | -12.32 | 149 | 203 | Average |
| 15870.000 | 42.76 | 9.99 | 52.75 | 74.00 | -21.25 | 149 | 203 | Peak |
| 17813.000 | 32.75 | 13.50 | 46.25 | 54.00 | -7.75 | 150 | 297 | Average |
| 17813.000 | 44.50 | 13.50 | 58.00 | 74.00 | -16.00 | 150 | 297 | Peak |

### Vertical



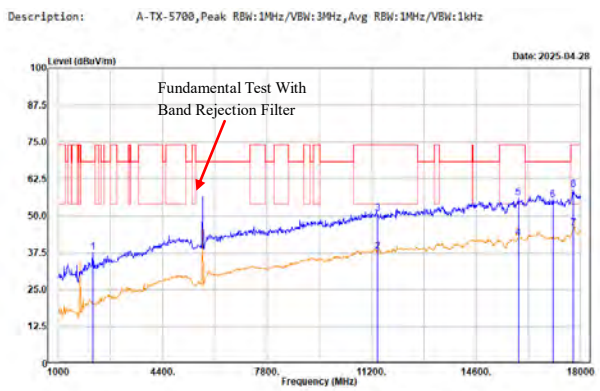

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 63.90 | -12.26 | 51.64 | 68.20 | -16.56 | 150 | 31 | Peak |
| 3074.000 | 55.57 | -7.96 | 47.61 | 68.20 | -20.59 | 150 | 96 | Peak |
| 10580.000 | 41.33 | 7.30 | 48.63 | 68.20 | -19.57 | 143 | 232 | Peak |
| 15870.000 | 32.08 | 9.99 | 42.07 | 54.00 | -11.93 | 151 | 282 | Average |
| 15870.000 | 41.80 | 9.99 | 51.79 | 74.00 | -22.21 | 151 | 282 | Peak |
| 17762.000 | 33.18 | 13.39 | 46.57 | 54.00 | -7.43 | 150 | 228 | Average |
| 17762.000 | 43.92 | 13.39 | 57.31 | 74.00 | -16.69 | 150 | 228 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5470-5725 MHz**

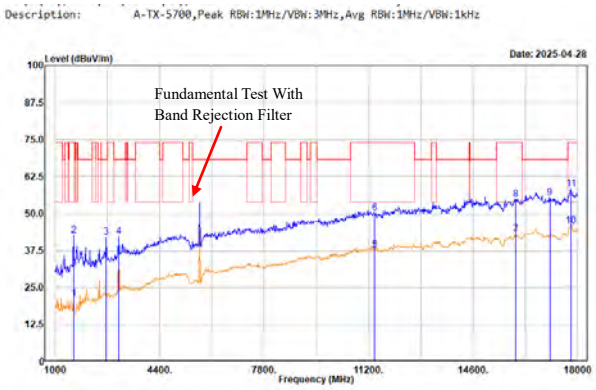
## 802.11a Mode worst case is 5700 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 50.04 | -12.26 | 37.78 | 68.20 | -30.42 | 150 | 201 | Peak |
| 11400.000 | 29.41 | 8.58 | 37.99 | 54.00 | -16.01 | 141 | 3 | Average |
| 11400.000 | 42.19 | 8.58 | 50.77 | 74.00 | -23.23 | 141 | 3 | Peak |
| 15977.000 | 31.95 | 10.72 | 42.67 | 54.00 | -11.33 | 150 | 355 | Average |
| 15977.000 | 45.33 | 10.72 | 56.05 | 74.00 | -17.95 | 150 | 355 | Peak |
| 17100.000 | 42.89 | 12.52 | 55.41 | 68.20 | -12.79 | 156 | 12 | Peak |
| 17762.000 | 32.51 | 13.39 | 45.90 | 54.00 | -8.10 | 150 | 119 | Average |
| 17762.000 | 45.52 | 13.39 | 58.91 | 74.00 | -15.09 | 150 | 119 | Peak |

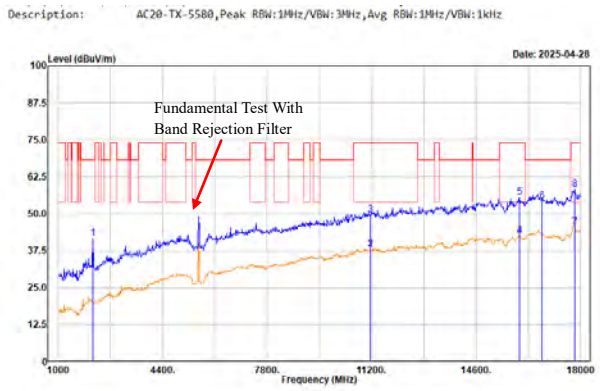
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 35.87 | -14.78 | 21.09 | 54.00 | -32.91 | 150 | 6 | Average |
| 1595.000 | 57.31 | -14.78 | 42.53 | 74.00 | -31.47 | 150 | 6 | Peak |
| 2649.000 | 51.48 | -9.50 | 41.98 | 68.20 | -26.22 | 150 | 19 | Peak |
| 3074.000 | 50.24 | -7.96 | 42.28 | 68.20 | -25.92 | 150 | 88 | Peak |
| 11400.000 | 29.17 | 8.58 | 37.75 | 54.00 | -16.25 | 144 | 190 | Average |
| 11400.000 | 41.55 | 8.58 | 50.13 | 74.00 | -23.87 | 144 | 190 | Peak |
| 15994.000 | 32.14 | 10.86 | 43.00 | 54.00 | -11.00 | 150 | 315 | Average |
| 15994.000 | 43.92 | 10.86 | 54.78 | 74.00 | -19.22 | 150 | 315 | Peak |
| 17100.000 | 42.80 | 12.52 | 55.32 | 68.20 | -12.88 | 155 | 50 | Peak |
| 17779.000 | 32.32 | 13.41 | 45.73 | 54.00 | -8.27 | 150 | 204 | Average |
| 17779.000 | 44.94 | 13.41 | 58.35 | 74.00 | -15.65 | 150 | 204 | Peak |

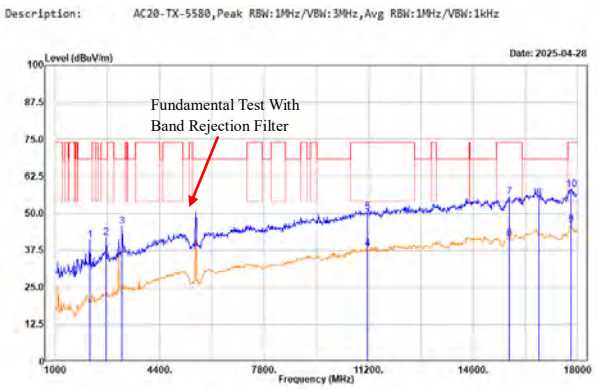
## 802.11ac VHT20 Mode worst case is 5580 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 53.92 | -12.26 | 41.66 | 68.20 | -26.54 | 150 | 22 | Peak |
| 11160.000 | 29.27 | 8.72 | 37.99 | 54.00 | -16.01 | 143 | 156 | Average |
| 11160.000 | 40.76 | 8.72 | 49.48 | 74.00 | -24.52 | 143 | 156 | Peak |
| 16028.000 | 31.68 | 10.93 | 42.61 | 54.00 | -11.39 | 150 | 236 | Average |
| 16028.000 | 44.72 | 10.93 | 55.65 | 74.00 | -18.35 | 150 | 236 | Peak |
| 16740.000 | 42.10 | 12.22 | 54.32 | 68.20 | -13.88 | 156 | 311 | Peak |
| 17813.000 | 32.14 | 13.50 | 45.64 | 54.00 | -8.36 | 150 | 5 | Average |
| 17813.000 | 44.80 | 13.50 | 58.30 | 74.00 | -15.70 | 150 | 5 | Peak |

### Vertical

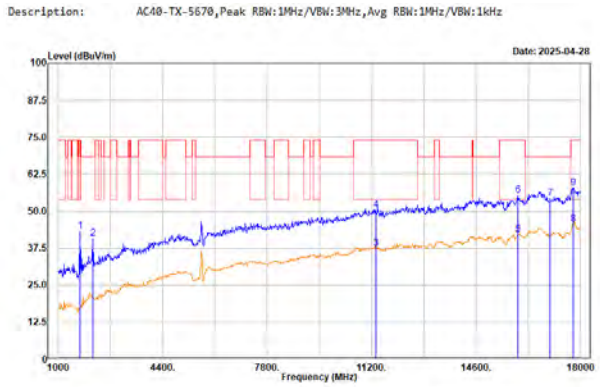



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 53.13 | -12.26 | 40.87 | 68.20 | -27.33 | 150 | 6 | Peak |
| 2649.000 | 51.31 | -9.50 | 41.81 | 68.20 | -26.39 | 150 | 25 | Peak |
| 3176.000 | 52.80 | -7.30 | 45.50 | 68.20 | -22.70 | 150 | 33 | Peak |
| 11160.000 | 29.09 | 8.72 | 37.81 | 54.00 | -16.19 | 147 | 156 | Average |
| 11160.000 | 41.60 | 8.72 | 50.32 | 74.00 | -23.68 | 147 | 156 | Peak |
| 15773.000 | 31.84 | 9.75 | 41.59 | 54.00 | -12.41 | 150 | 344 | Average |
| 15773.000 | 45.77 | 9.75 | 55.52 | 74.00 | -18.48 | 150 | 344 | Peak |
| 16740.000 | 42.82 | 12.22 | 55.04 | 68.20 | -13.16 | 157 | 274 | Peak |
| 17796.000 | 32.67 | 13.44 | 46.11 | 54.00 | -7.89 | 150 | 91 | Average |
| 17796.000 | 44.62 | 13.44 | 58.06 | 74.00 | -15.94 | 150 | 91 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

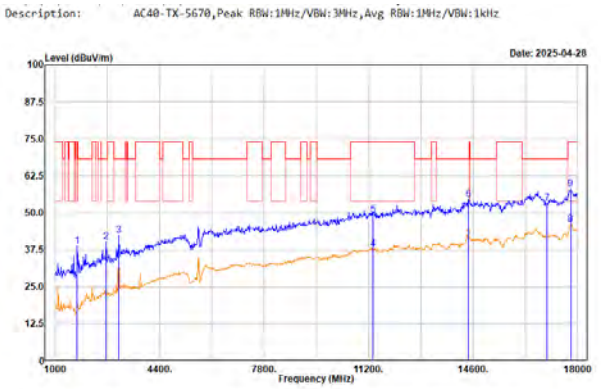
## 802.11ac VHT40 Mode worst case is 5670 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 57.54 | -14.32 | 43.22 | 68.20 | -24.98 | 150 | 162 | Peak |
| 2122.000 | 52.52 | -11.99 | 40.53 | 68.20 | -27.67 | 150 | 188 | Peak |
| 11340.000 | 29.08 | 8.26 | 37.34 | 54.00 | -16.66 | 142 | 39 | Average |
| 11340.000 | 42.17 | 8.26 | 50.43 | 74.00 | -23.57 | 142 | 39 | Peak |
| 15960.000 | 31.83 | 10.06 | 41.89 | 54.00 | -12.11 | 150 | 325 | Average |
| 15960.000 | 45.13 | 10.06 | 55.19 | 74.00 | -18.81 | 150 | 325 | Peak |
| 17010.000 | 42.29 | 11.89 | 54.18 | 68.20 | -14.02 | 154 | 299 | Peak |
| 17762.000 | 32.04 | 13.59 | 45.63 | 54.00 | -8.37 | 150 | 78 | Average |
| 17762.000 | 44.24 | 13.59 | 57.83 | 74.00 | -16.17 | 150 | 78 | Peak |

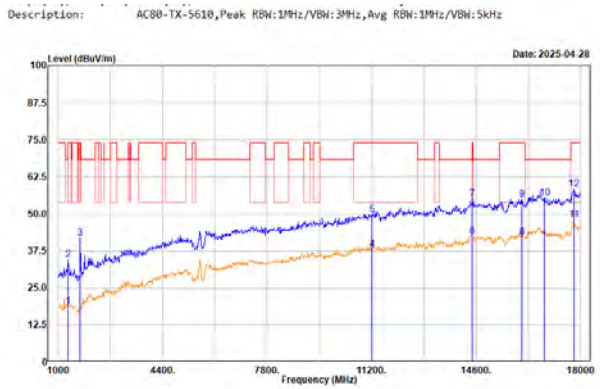
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 53.18 | -14.32 | 38.86 | 68.20 | -29.34 | 150 | 9 | Peak |
| 2649.000 | 49.30 | -9.26 | 40.04 | 68.20 | -28.16 | 150 | 27 | Peak |
| 3074.000 | 49.85 | -7.67 | 42.18 | 68.20 | -26.02 | 150 | 156 | Peak |
| 11340.000 | 29.50 | 8.26 | 37.76 | 54.00 | -16.24 | 141 | 16 | Average |
| 11340.000 | 40.93 | 8.26 | 49.19 | 74.00 | -24.81 | 141 | 16 | Peak |
| 14447.000 | 42.98 | 11.38 | 54.36 | 68.20 | -13.84 | 150 | 147 | Peak |
| 17010.000 | 41.34 | 11.89 | 53.23 | 68.20 | -14.97 | 158 | 233 | Peak |
| 17779.000 | 32.51 | 13.65 | 46.16 | 54.00 | -7.84 | 150 | 341 | Average |
| 17779.000 | 44.36 | 13.65 | 58.01 | 74.00 | -15.99 | 150 | 341 | Peak |

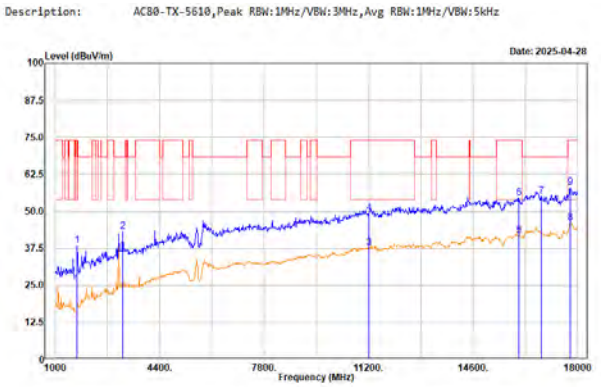
## 802.11ac VHT80 Mode worst case is 5610 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1323.000 | 33.29 | -14.63 | 18.66 | 54.00 | -35.34 | 150 | 3 | Average |
| 1323.000 | 49.17 | -14.63 | 34.54 | 74.00 | -39.46 | 150 | 3 | Peak |
| 1714.000 | 56.00 | -14.32 | 41.68 | 68.20 | -26.52 | 150 | 12 | Peak |
| 11220.000 | 29.69 | 8.34 | 38.03 | 54.00 | -15.97 | 147 | 231 | Average |
| 11220.000 | 41.29 | 8.34 | 49.63 | 74.00 | -24.37 | 147 | 231 | Peak |
| 14481.000 | 30.93 | 11.41 | 42.34 | 54.00 | -11.66 | 150 | 88 | Average |
| 14481.000 | 43.49 | 11.41 | 54.90 | 74.00 | -19.10 | 150 | 88 | Peak |
| 16096.000 | 31.34 | 10.56 | 41.90 | 54.00 | -12.10 | 150 | 306 | Average |
| 16096.000 | 44.18 | 10.56 | 54.74 | 74.00 | -19.26 | 150 | 306 | Peak |
| 16830.000 | 43.22 | 12.04 | 55.26 | 68.20 | -12.94 | 156 | 169 | Peak |
| 17779.000 | 34.34 | 13.65 | 47.99 | 54.00 | -6.01 | 150 | 199 | Average |
| 17779.000 | 44.56 | 13.65 | 58.21 | 74.00 | -15.79 | 150 | 199 | Peak |

### Vertical



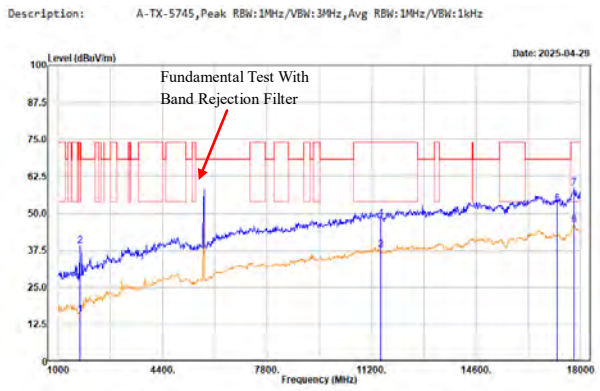

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 52.81 | -14.32 | 38.49 | 68.20 | -29.71 | 150 | 12 | Peak |
| 3193.000 | 49.96 | -6.99 | 42.97 | 68.20 | -25.23 | 150 | 73 | Peak |
| 11220.000 | 29.28 | 8.34 | 37.62 | 54.00 | -16.38 | 142 | 311 | Average |
| 11220.000 | 41.00 | 8.34 | 49.34 | 74.00 | -24.66 | 142 | 311 | Peak |
| 16096.000 | 31.06 | 10.56 | 41.62 | 54.00 | -12.38 | 150 | 128 | Average |
| 16096.000 | 43.96 | 10.56 | 54.52 | 74.00 | -19.48 | 150 | 128 | Peak |
| 16830.000 | 42.92 | 12.04 | 54.96 | 68.20 | -13.24 | 154 | 105 | Peak |
| 17762.000 | 32.61 | 13.59 | 46.20 | 54.00 | -7.80 | 150 | 234 | Average |
| 17762.000 | 44.30 | 13.59 | 57.89 | 74.00 | -16.11 | 150 | 234 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**5725-5850 MHz**

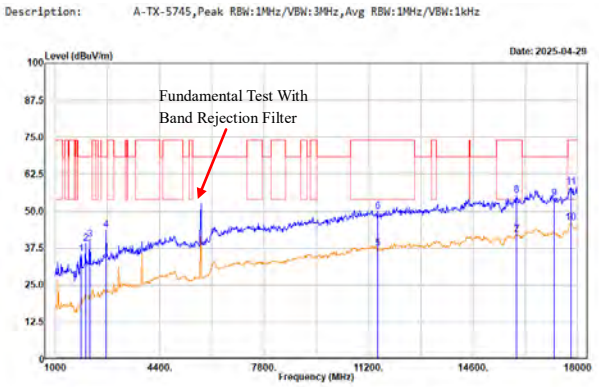
## 802.11a Mode worst case is 5745 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1697.000 | 30.27 | -14.46 | 15.81 | 54.00 | -38.19 | 150 | 96 | Average |
| 1697.000 | 53.37 | -14.46 | 38.91 | 74.00 | -35.09 | 150 | 96 | Peak |
| 11490.000 | 29.34 | 8.21 | 37.55 | 54.00 | -16.45 | 145 | 236 | Average |
| 11490.000 | 48.13 | 8.21 | 48.34 | 74.00 | -25.66 | 145 | 236 | Peak |
| 17235.000 | 40.41 | 12.63 | 53.04 | 68.20 | -15.16 | 159 | 17 | Peak |
| 17796.000 | 32.29 | 13.72 | 46.01 | 54.00 | -7.99 | 150 | 349 | Average |
| 17796.000 | 44.87 | 13.72 | 58.59 | 74.00 | -15.41 | 150 | 349 | Peak |

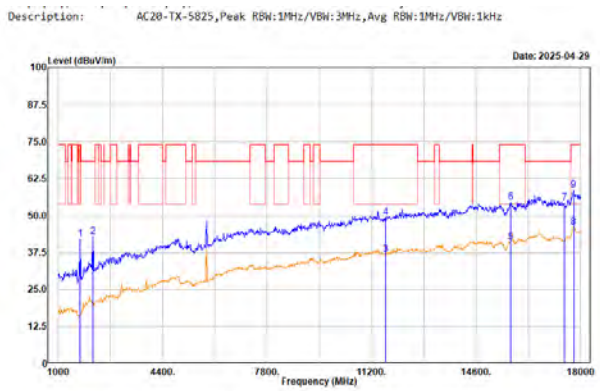
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1833.000 | 48.67 | -13.21 | 35.46 | 68.20 | -32.74 | 150 | 359 | Peak |
| 1986.000 | 50.63 | -11.54 | 39.09 | 68.20 | -29.11 | 150 | 324 | Peak |
| 2122.000 | 52.32 | -11.99 | 40.33 | 68.20 | -27.87 | 150 | 299 | Peak |
| 2649.000 | 52.89 | -9.26 | 43.63 | 68.20 | -24.57 | 150 | 238 | Peak |
| 11490.000 | 29.25 | 8.21 | 37.46 | 54.00 | -16.54 | 142 | 166 | Average |
| 11490.000 | 41.53 | 8.21 | 49.74 | 74.00 | -24.26 | 142 | 166 | Peak |
| 16028.000 | 31.61 | 10.38 | 41.99 | 54.00 | -12.01 | 150 | 9 | Average |
| 16028.000 | 44.98 | 10.38 | 55.36 | 74.00 | -18.64 | 150 | 9 | Peak |
| 17235.000 | 41.51 | 12.63 | 54.14 | 68.20 | -14.06 | 152 | 32 | Peak |
| 17779.000 | 32.49 | 13.65 | 46.14 | 54.00 | -7.86 | 150 | 77 | Average |
| 17779.000 | 44.35 | 13.65 | 58.00 | 74.00 | -16.00 | 150 | 77 | Peak |

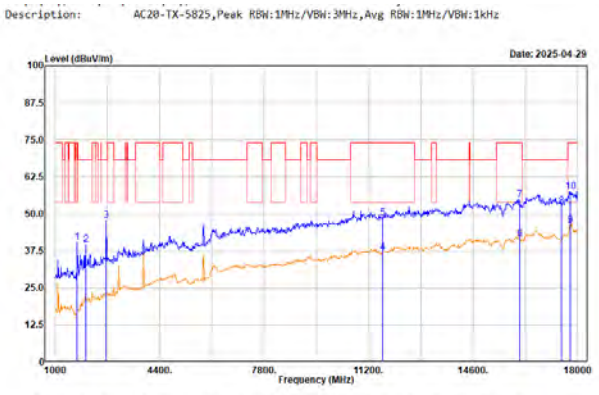
## 802.11ac VHT20 Mode worst case is 5825 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 56.27 | -14.32 | 41.95 | 68.20 | -26.25 | 150 | 109 | Peak |
| 2122.000 | 54.72 | -11.99 | 42.73 | 68.20 | -25.47 | 150 | 138 | Peak |
| 11650.000 | 28.50 | 8.38 | 36.88 | 54.00 | -17.12 | 149 | 238 | Average |
| 11650.000 | 41.06 | 8.38 | 49.44 | 74.00 | -24.56 | 149 | 238 | Peak |
| 15722.000 | 31.92 | 9.09 | 41.01 | 54.00 | -12.99 | 150 | 29 | Average |
| 15722.000 | 45.50 | 9.09 | 54.59 | 74.00 | -19.41 | 150 | 29 | Peak |
| 17475.000 | 41.95 | 12.18 | 54.13 | 68.20 | -14.07 | 153 | 9 | Peak |
| 17779.000 | 32.30 | 13.65 | 45.95 | 54.00 | -8.05 | 150 | 146 | Average |
| 17779.000 | 44.90 | 13.65 | 58.55 | 74.00 | -15.45 | 150 | 146 | Peak |

### Vertical

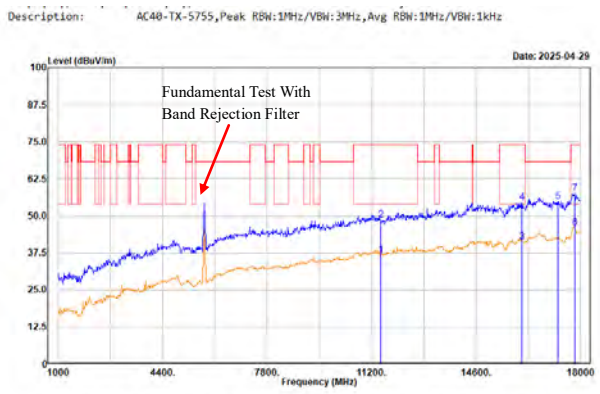



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.79 | -14.32 | 40.47 | 68.20 | -27.73 | 150 | 288 | Peak |
| 1986.000 | 51.01 | -11.54 | 39.47 | 68.20 | -28.73 | 150 | 339 | Peak |
| 2649.000 | 56.95 | -9.26 | 47.69 | 68.20 | -20.51 | 150 | 5 | Peak |
| 11650.000 | 28.41 | 8.38 | 36.79 | 54.00 | -17.21 | 143 | 29 | Average |
| 11650.000 | 40.01 | 8.38 | 48.39 | 74.00 | -25.61 | 143 | 29 | Peak |
| 16113.000 | 30.77 | 10.59 | 41.36 | 54.00 | -12.64 | 150 | 251 | Average |
| 16113.000 | 44.10 | 10.59 | 54.69 | 74.00 | -19.31 | 150 | 251 | Peak |
| 17475.000 | 40.36 | 12.18 | 52.54 | 68.20 | -15.66 | 156 | 321 | Peak |
| 17762.000 | 32.52 | 13.59 | 46.11 | 54.00 | -7.89 | 150 | 199 | Average |
| 17762.000 | 43.99 | 13.59 | 57.58 | 74.00 | -16.42 | 150 | 199 | Peak |

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

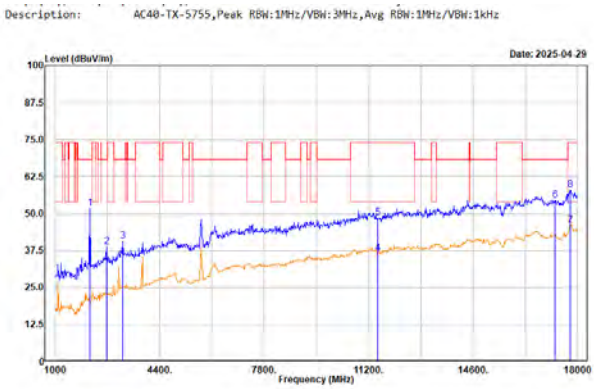
## 802.11ac VHT40 Mode worst case is 5755 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 11510.000 | 28.47 | 8.20 | 36.67 | 54.00 | -17.33 | 154 | 288 | Average |
| 11510.000 | 40.29 | 8.20 | 48.49 | 74.00 | -25.51 | 154 | 288 | Peak |
| 16096.000 | 30.76 | 10.56 | 41.32 | 54.00 | -12.68 | 150 | 316 | Average |
| 16096.000 | 43.85 | 10.56 | 54.41 | 74.00 | -19.59 | 150 | 316 | Peak |
| 17265.000 | 42.13 | 12.55 | 54.68 | 68.20 | -13.52 | 141 | 167 | Peak |
| 17813.000 | 32.00 | 13.79 | 45.79 | 54.00 | -8.21 | 150 | 214 | Average |
| 17813.000 | 43.74 | 13.79 | 57.53 | 74.00 | -16.47 | 150 | 214 | Peak |

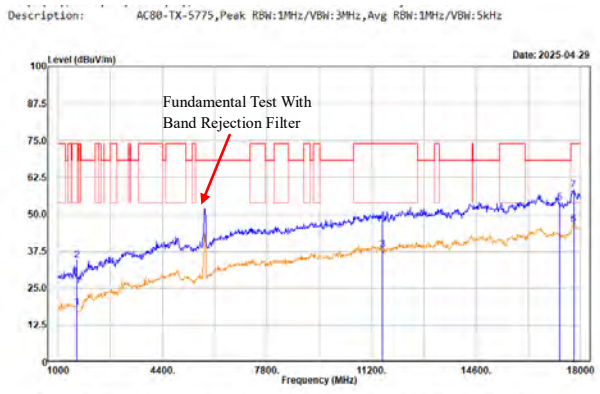
### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 63.88 | -11.99 | 51.89 | 68.20 | -16.31 | 150 | 354 | Peak |
| 2666.000 | 47.99 | -9.27 | 38.72 | 68.20 | -29.48 | 150 | 286 | Peak |
| 3193.000 | 47.64 | -6.99 | 40.65 | 68.20 | -27.55 | 150 | 103 | Peak |
| 11510.000 | 28.49 | 8.20 | 36.69 | 54.00 | -17.31 | 144 | 29 | Average |
| 11510.000 | 40.31 | 8.20 | 48.51 | 74.00 | -25.49 | 144 | 29 | Peak |
| 17265.000 | 41.94 | 12.55 | 54.49 | 68.20 | -13.71 | 154 | 7 | Peak |
| 17762.000 | 32.59 | 13.59 | 46.18 | 54.00 | -7.82 | 150 | 159 | Average |
| 17762.000 | 44.52 | 13.59 | 58.11 | 74.00 | -15.89 | 150 | 159 | Peak |

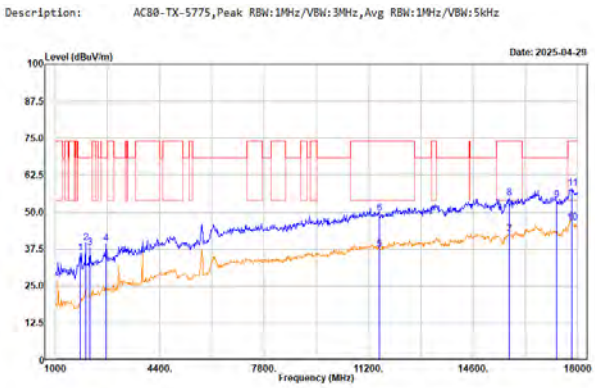
## 802.11ac VHT80 Mode worst case is 5775 MHz

### Horizontal




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 32.95 | -14.63 | 18.32 | 54.00 | -35.68 | 150 | 13 | Average |
| 1595.000 | 49.18 | -14.63 | 34.55 | 74.00 | -39.45 | 150 | 13 | Peak |
| 11550.000 | 29.85 | 8.16 | 38.01 | 54.00 | -15.99 | 157 | 234 | Average |
| 11550.000 | 39.65 | 8.16 | 47.81 | 74.00 | -26.19 | 157 | 234 | Peak |
| 17325.000 | 41.56 | 12.48 | 54.04 | 68.20 | -14.16 | 149 | 188 | Peak |
| 17779.000 | 32.92 | 13.65 | 46.57 | 54.00 | -7.43 | 150 | 336 | Average |
| 17779.000 | 44.57 | 13.65 | 58.22 | 74.00 | -15.78 | 150 | 336 | Peak |

### Vertical




| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1816.000 | 49.61 | -13.44 | 36.17 | 68.20 | -32.03 | 150 | 56 | Peak |
| 1986.000 | 51.11 | -11.54 | 39.57 | 68.20 | -28.63 | 150 | 105 | Peak |
| 2122.000 | 50.02 | -11.99 | 38.03 | 68.20 | -30.17 | 150 | 126 | Peak |
| 2649.000 | 48.63 | -9.26 | 39.37 | 68.20 | -28.83 | 150 | 201 | Peak |
| 11550.000 | 29.30 | 8.16 | 37.46 | 54.00 | -16.54 | 142 | 37 | Average |
| 11550.000 | 41.33 | 8.16 | 49.49 | 74.00 | -24.51 | 142 | 37 | Peak |
| 15773.000 | 33.27 | 9.36 | 42.63 | 54.00 | -11.37 | 150 | 311 | Average |
| 15773.000 | 45.26 | 9.36 | 54.62 | 74.00 | -19.38 | 150 | 311 | Peak |
| 17325.000 | 41.54 | 12.48 | 54.02 | 68.20 | -14.18 | 149 | 269 | Peak |
| 17830.000 | 32.42 | 13.90 | 46.32 | 54.00 | -7.68 | 150 | 9 | Average |
| 17830.000 | 44.00 | 13.90 | 57.90 | 74.00 | -16.10 | 150 | 9 | Peak |

Level = Reading + Factor.

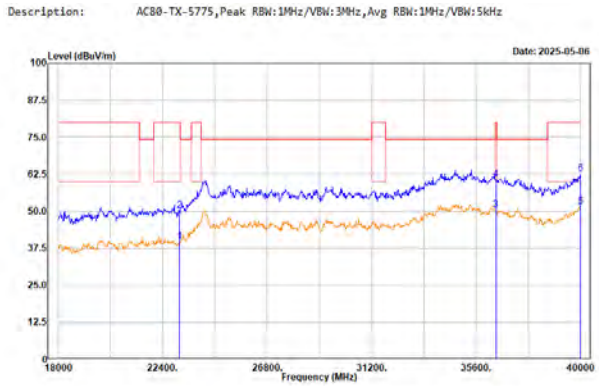
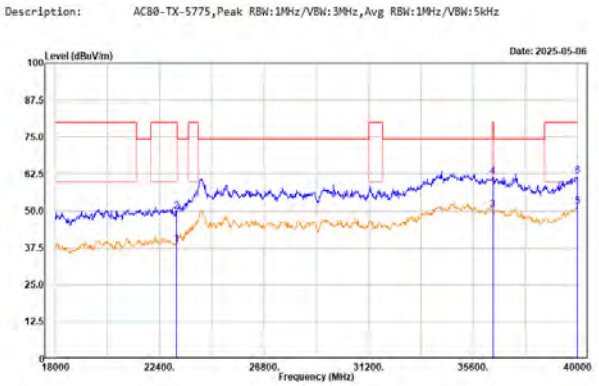
Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

**18GHz-40GHz:**

(Worst case is 802.11ac VHT80 Mode 5775 MHz)

| Horizontal | Vertical |
|---|---|
|  |  |



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 23100.000 | 36.64 | 2.84 | 39.48 | 60.00 | -20.52 | 149 | 220 | Average |
| 23100.000 | 47.32 | 2.84 | 50.16 | 80.00 | -29.84 | 149 | 220 | Peak |
| 36436.000 | 39.64 | 10.83 | 50.47 | 60.00 | -9.53 | 157 | 217 | Average |
| 36436.000 | 49.94 | 10.83 | 60.77 | 80.00 | -19.23 | 157 | 217 | Peak |
| 40000.000 | 42.64 | 8.73 | 51.37 | 60.00 | -8.63 | 156 | 38 | Average |
| 40000.000 | 53.90 | 8.73 | 62.63 | 80.00 | -17.37 | 156 | 38 | Peak |



| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 23100.000 | 36.04 | 2.84 | 38.88 | 60.00 | -21.12 | 150 | 320 | Average |
| 23100.000 | 46.98 | 2.84 | 49.82 | 80.00 | -30.18 | 150 | 320 | Peak |
| 36436.000 | 39.46 | 10.83 | 50.29 | 60.00 | -9.71 | 146 | 199 | Average |
| 36436.000 | 50.71 | 10.83 | 61.54 | 80.00 | -18.46 | 146 | 199 | Peak |
| 40000.000 | 42.81 | 8.73 | 51.54 | 60.00 | -8.46 | 158 | 175 | Average |
| 40000.000 | 53.11 | 8.73 | 61.84 | 80.00 | -18.16 | 158 | 175 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

For 18-26.5GHz Convert the test distance limit of 3 meters to a limit of 1.5 meter:

Conversion factor = 20 log (1.5m/3m) = 6 dB,

Average Limit = 54+6 = 60 dBuV/m@1.5m , Peak Limit = 60+20 = 80 dBuV/m@1.5m

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## Above 1GHz:

## 5150-5250 MHz

802.11a Mode:

**5180 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2649.000 | 48.28 | -9.50 | 38.78 | 68.20 | -29.42 | 150 | 327 | Peak |
| 3074.000 | 47.15 | -7.96 | 39.19 | 68.20 | -29.01 | 150 | 166 | Peak |
| 10360.000 | 41.40 | 6.61 | 48.01 | 68.20 | -20.19 | 141 | 90 | Peak |
| 15540.000 | 30.21 | 9.39 | 39.60 | 54.00 | -14.40 | 156 | 213 | Average |
| 15540.000 | 41.87 | 9.39 | 51.26 | 74.00 | -22.74 | 156 | 213 | Peak |
| 17745.000 | 31.80 | 13.36 | 45.16 | 54.00 | -8.84 | 150 | 108 | Average |
| 17745.000 | 44.08 | 13.36 | 57.44 | 74.00 | -16.56 | 150 | 108 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 68.07 | -14.51 | 53.56 | 68.20 | -14.64 | 150 | 243 | Peak |
| 2122.000 | 62.58 | -12.26 | 50.32 | 68.20 | -17.88 | 150 | 5 | Peak |
| 10360.000 | 41.60 | 6.61 | 48.21 | 68.20 | -19.99 | 147 | 309 | Peak |
| 15540.000 | 30.33 | 9.39 | 39.72 | 54.00 | -14.28 | 156 | 119 | Average |
| 15540.000 | 41.33 | 9.39 | 50.72 | 74.00 | -23.28 | 156 | 119 | Peak |
| 16011.000 | 31.73 | 10.92 | 42.65 | 54.00 | -11.35 | 150 | 43 | Average |
| 16011.000 | 44.17 | 10.92 | 55.09 | 74.00 | -18.91 | 150 | 43 | Peak |
| 17745.000 | 32.20 | 13.36 | 45.56 | 54.00 | -8.44 | 150 | 156 | Average |
| 17745.000 | 44.61 | 13.36 | 57.97 | 74.00 | -16.03 | 150 | 156 | Peak |

**5200 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 50.81 | -14.51 | 36.30 | 68.20 | -31.90 | 150 | 123 | Peak |
| 10400.000 | 40.42 | 6.61 | 47.03 | 68.20 | -21.17 | 142 | 46 | Peak |
| 15600.000 | 30.64 | 9.58 | 40.22 | 54.00 | -13.78 | 157 | 299 | Average |
| 15600.000 | 42.13 | 9.58 | 51.71 | 74.00 | -22.29 | 157 | 299 | Peak |
| 17813.000 | 32.55 | 13.50 | 46.05 | 54.00 | -7.95 | 150 | 14 | Average |
| 17813.000 | 44.68 | 13.50 | 58.18 | 74.00 | -15.82 | 150 | 14 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 60.79 | -12.26 | 48.53 | 68.20 | -19.67 | 150 | 123 | Peak |
| 10400.000 | 40.53 | 6.61 | 47.14 | 68.20 | -21.06 | 149 | 309 | Peak |
| 14481.000 | 30.02 | 11.83 | 41.85 | 54.00 | -12.15 | 150 | 79 | Average |
| 14481.000 | 43.32 | 11.83 | 55.15 | 74.00 | -18.85 | 150 | 79 | Peak |
| 15600.000 | 30.38 | 9.58 | 39.96 | 54.00 | -14.04 | 150 | 16 | Average |
| 15600.000 | 43.32 | 9.58 | 52.90 | 74.00 | -21.10 | 155 | 16 | Peak |
| 17779.000 | 32.39 | 13.41 | 45.80 | 54.00 | -8.20 | 150 | 3 | Average |
| 17779.000 | 45.68 | 13.41 | 59.09 | 74.00 | -14.91 | 150 | 3 | Peak |

**5240 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 57.70 | -12.26 | 45.44 | 68.20 | -22.76 | 150 | 244 | Peak |
| 10480.000 | 40.80 | 7.13 | 47.93 | 68.20 | -20.27 | 144 | 308 | Peak |
| 15720.000 | 32.30 | 9.45 | 41.75 | 54.00 | -12.25 | 156 | 77 | Average |
| 15720.000 | 45.01 | 9.45 | 54.46 | 74.00 | -19.54 | 156 | 77 | Peak |
| 17779.000 | 32.51 | 13.41 | 45.92 | 54.00 | -8.08 | 150 | 7 | Average |
| 17779.000 | 45.44 | 13.41 | 58.85 | 74.00 | -15.15 | 150 | 7 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 56.01 | -14.51 | 41.50 | 68.20 | -26.70 | 150 | 92 | Peak |
| 2122.000 | 52.40 | -12.26 | 40.14 | 68.20 | -28.06 | 150 | 146 | Peak |
| 2649.000 | 55.03 | -9.50 | 45.53 | 68.20 | -22.67 | 150 | 9 | Peak |
| 10480.000 | 41.17 | 7.13 | 48.30 | 68.20 | -19.90 | 144 | 323 | Peak |
| 15720.000 | 32.06 | 9.45 | 41.51 | 54.00 | -12.49 | 159 | 128 | Average |
| 15720.000 | 43.90 | 9.45 | 53.35 | 74.00 | -20.65 | 159 | 128 | Peak |
| 17762.000 | 32.77 | 13.39 | 46.16 | 54.00 | -7.84 | 150 | 256 | Average |
| 17762.000 | 44.58 | 13.39 | 57.97 | 74.00 | -16.03 | 150 | 256 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

802.11ac VHT20 Mode:

**5180 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1697.000 | 47.98 | -14.64 | 33.34 | 54.00 | -20.66 | 150 | 17 | Average |
| 1697.000 | 53.00 | -14.64 | 38.36 | 74.00 | -35.64 | 150 | 17 | Peak |
| 2122.000 | 50.89 | -12.26 | 38.63 | 68.20 | -29.57 | 150 | 44 | Peak |
| 2649.000 | 49.43 | -9.50 | 39.93 | 68.20 | -28.27 | 150 | 175 | Peak |
| 10360.000 | 41.19 | 6.61 | 47.80 | 68.20 | -20.40 | 141 | 42 | Peak |
| 15540.000 | 30.10 | 9.39 | 39.49 | 54.00 | -14.51 | 157 | 192 | Average |
| 15540.000 | 41.75 | 9.39 | 51.14 | 74.00 | -22.86 | 157 | 192 | Peak |
| 16028.000 | 31.77 | 10.93 | 42.70 | 54.00 | -11.30 | 150 | 307 | Average |
| 16028.000 | 44.24 | 10.93 | 55.17 | 74.00 | -18.83 | 150 | 307 | Peak |
| 17779.000 | 32.11 | 13.41 | 45.52 | 54.00 | -8.48 | 150 | 267 | Average |
| 17779.000 | 44.51 | 13.41 | 57.92 | 74.00 | -16.08 | 150 | 267 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 63.19 | -14.51 | 48.68 | 68.20 | -19.52 | 150 | 168 | Peak |
| 10360.000 | 40.91 | 6.61 | 47.52 | 68.20 | -20.68 | 146 | 42 | Peak |
| 14498.000 | 29.98 | 11.89 | 41.87 | 54.00 | -12.13 | 150 | 213 | Average |
| 14498.000 | 42.25 | 11.89 | 54.14 | 74.00 | -19.86 | 150 | 213 | Peak |
| 15540.000 | 30.01 | 9.39 | 39.40 | 54.00 | -14.60 | 156 | 315 | Average |
| 15540.000 | 41.00 | 9.39 | 50.39 | 74.00 | -23.61 | 156 | 315 | Peak |
| 16011.000 | 31.94 | 10.92 | 42.86 | 54.00 | -11.14 | 150 | 279 | Average |
| 16011.000 | 44.71 | 10.92 | 55.63 | 74.00 | -18.37 | 150 | 279 | Peak |
| 17762.000 | 32.39 | 13.39 | 45.78 | 54.00 | -8.22 | 150 | 78 | Average |
| 17762.000 | 44.71 | 13.39 | 58.10 | 74.00 | -15.90 | 150 | 78 | Peak |

**5200 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 59.23 | -14.51 | 44.72 | 68.20 | -23.48 | 150 | 7 | Peak |
| 10400.000 | 40.70 | 6.61 | 47.31 | 68.20 | -20.89 | 148 | 85 | Peak |
| 14481.000 | 29.96 | 11.83 | 41.79 | 54.00 | -12.21 | 150 | 308 | Average |
| 14481.000 | 42.93 | 11.83 | 54.76 | 74.00 | -19.24 | 150 | 308 | Peak |
| 15600.000 | 30.70 | 9.58 | 40.28 | 54.00 | -13.72 | 157 | 169 | Average |
| 15600.000 | 42.05 | 9.58 | 51.63 | 74.00 | -22.37 | 157 | 169 | Peak |
| 17762.000 | 32.37 | 13.39 | 45.76 | 54.00 | -8.24 | 150 | 152 | Average |
| 17762.000 | 44.76 | 13.39 | 58.15 | 74.00 | -15.85 | 150 | 152 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 58.03 | -14.51 | 43.52 | 68.20 | -24.68 | 150 | 288 | Peak |
| 2122.000 | 56.74 | -12.26 | 44.48 | 68.20 | -23.72 | 150 | 14 | Peak |
| 10400.000 | 40.85 | 6.61 | 47.46 | 68.20 | -20.74 | 148 | 318 | Peak |
| 15600.000 | 30.37 | 9.58 | 39.95 | 54.00 | -14.05 | 156 | 126 | Average |
| 15600.000 | 41.79 | 9.58 | 51.37 | 74.00 | -22.63 | 156 | 126 | Peak |
| 15977.000 | 31.85 | 10.72 | 42.57 | 54.00 | -11.43 | 150 | 197 | Average |
| 15977.000 | 43.78 | 10.72 | 54.50 | 74.00 | -19.50 | 150 | 197 | Peak |
| 17796.000 | 32.59 | 13.44 | 46.03 | 54.00 | -7.97 | 150 | 46 | Average |
| 17796.000 | 44.68 | 13.44 | 58.12 | 74.00 | -15.88 | 150 | 46 | Peak |

**5240 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 66.98 | -14.51 | 52.47 | 68.20 | -15.73 | 150 | 114 | Peak |
| 10480.000 | 41.31 | 7.13 | 48.44 | 68.20 | -19.76 | 143 | 307 | Peak |
| 15720.000 | 32.19 | 9.45 | 41.64 | 54.00 | -12.36 | 157 | 145 | Average |
| 15720.000 | 44.00 | 9.45 | 53.45 | 74.00 | -20.55 | 157 | 145 | Peak |
| 17796.000 | 32.32 | 13.44 | 45.76 | 54.00 | -8.24 | 150 | 256 | Average |
| 17796.000 | 44.55 | 13.44 | 57.99 | 74.00 | -16.01 | 150 | 256 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1697.000 | 33.17 | -14.64 | 18.53 | 54.00 | -35.47 | 150 | 189 | Average |
| 1697.000 | 64.53 | -14.64 | 49.89 | 74.00 | -24.11 | 150 | 189 | Peak |
| 2122.000 | 58.53 | -12.26 | 46.27 | 68.20 | -21.93 | 150 | 6 | Peak |
| 2649.000 | 51.15 | -9.50 | 41.65 | 68.20 | -26.55 | 150 | 246 | Peak |
| 10480.000 | 43.87 | 7.13 | 51.00 | 68.20 | -17.20 | 142 | 300 | Peak |
| 15720.000 | 31.83 | 9.45 | 41.28 | 54.00 | -12.72 | 159 | 76 | Average |
| 15720.000 | 45.24 | 9.45 | 54.69 | 74.00 | -19.31 | 159 | 76 | Peak |
| 17779.000 | 32.59 | 13.41 | 46.00 | 54.00 | -8.00 | 150 | 132 | Average |
| 17779.000 | 44.28 | 13.41 | 57.69 | 74.00 | -16.31 | 150 | 132 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 802.11ac VHT40 Mode:

**5190 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1986.000 | 47.11 | -11.75 | 35.36 | 68.20 | -32.84 | 150 | 6 | Peak |
| 10380.000 | 40.99 | 6.61 | 47.60 | 68.20 | -20.60 | 145 | 156 | Peak |
| 15569.000 | 29.53 | 9.48 | 39.01 | 54.00 | -14.99 | 159 | 319 | Average |
| 15570.000 | 41.28 | 9.49 | 50.77 | 74.00 | -23.23 | 159 | 319 | Peak |
| 16028.000 | 31.57 | 10.93 | 42.50 | 54.00 | -11.50 | 150 | 221 | Average |
| 16028.000 | 44.21 | 10.93 | 55.14 | 74.00 | -18.86 | 150 | 221 | Peak |
| 17762.000 | 32.35 | 13.39 | 45.74 | 54.00 | -8.26 | 150 | 126 | Average |
| 17762.000 | 44.65 | 13.39 | 58.04 | 74.00 | -15.96 | 150 | 126 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1765.000 | 50.45 | -14.10 | 36.35 | 68.20 | -31.85 | 150 | 4 | Peak |
| 2122.000 | 52.18 | -12.26 | 39.92 | 68.20 | -28.28 | 150 | 19 | Peak |
| 10380.000 | 40.03 | 6.61 | 46.64 | 68.20 | -21.56 | 144 | 306 | Peak |
| 15570.000 | 29.50 | 9.49 | 38.99 | 54.00 | -15.01 | 157 | 88 | Average |
| 15570.000 | 41.10 | 9.49 | 50.59 | 74.00 | -23.41 | 157 | 88 | Peak |
| 15960.000 | 31.72 | 10.56 | 42.28 | 54.00 | -11.72 | 150 | 101 | Average |
| 15960.000 | 43.94 | 10.56 | 54.50 | 74.00 | -19.50 | 150 | 101 | Peak |
| 17762.000 | 32.21 | 13.39 | 45.60 | 54.00 | -8.40 | 150 | 197 | Average |
| 17762.000 | 43.82 | 13.39 | 57.21 | 74.00 | -16.79 | 150 | 197 | Peak |

**5230 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.51 | -14.51 | 40.00 | 68.20 | -28.20 | 150 | 11 | Peak |
| 10452.000 | 41.37 | 6.95 | 48.32 | 68.20 | -19.88 | 141 | 78 | Peak |
| 15690.000 | 32.19 | 9.36 | 41.55 | 54.00 | -12.45 | 159 | 167 | Average |
| 15690.000 | 43.31 | 9.36 | 52.67 | 74.00 | -21.33 | 159 | 167 | Peak |
| 16045.000 | 31.80 | 10.92 | 42.72 | 54.00 | -11.28 | 150 | 307 | Average |
| 16045.000 | 44.07 | 10.92 | 54.99 | 74.00 | -19.01 | 150 | 307 | Peak |
| 17779.000 | 32.24 | 13.41 | 45.65 | 54.00 | -8.35 | 150 | 236 | Average |
| 17779.000 | 44.21 | 13.41 | 57.62 | 74.00 | -16.38 | 150 | 236 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1833.000 | 53.04 | -13.42 | 39.62 | 68.20 | -28.58 | 150 | 302 | Peak |
| 2122.000 | 52.85 | -12.26 | 40.59 | 68.20 | -27.61 | 150 | 347 | Peak |
| 10460.000 | 41.90 | 7.00 | 48.90 | 68.20 | -19.30 | 145 | 257 | Peak |
| 15690.000 | 32.15 | 9.36 | 41.51 | 54.00 | -12.49 | 158 | 101 | Average |
| 15690.000 | 43.55 | 9.36 | 52.91 | 74.00 | -21.09 | 158 | 101 | Peak |
| 16181.000 | 30.70 | 11.11 | 41.81 | 54.00 | -12.19 | 150 | 80 | Average |
| 16181.000 | 45.11 | 11.11 | 56.22 | 74.00 | -17.78 | 150 | 80 | Peak |
| 17796.000 | 32.65 | 13.44 | 46.09 | 54.00 | -7.91 | 150 | 15 | Average |
| 17796.000 | 43.91 | 13.44 | 57.35 | 74.00 | -16.65 | 150 | 15 | Peak |

## 802.11ac VHT80 Mode:

**5210 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 49.54 | -14.51 | 35.03 | 68.20 | -33.17 | 150 | 12 | Peak |
| 10420.000 | 42.08 | 6.74 | 48.82 | 68.20 | -19.38 | 141 | 156 | Peak |
| 15630.000 | 32.44 | 9.51 | 41.95 | 54.00 | -12.05 | 156 | 147 | Average |
| 15630.000 | 42.91 | 9.51 | 52.42 | 74.00 | -21.58 | 156 | 147 | Peak |
| 15994.000 | 33.01 | 10.86 | 43.87 | 54.00 | -10.13 | 150 | 307 | Average |
| 15994.000 | 45.26 | 10.86 | 56.12 | 74.00 | -17.88 | 150 | 307 | Peak |
| 17745.000 | 33.23 | 13.36 | 46.59 | 54.00 | -7.41 | 150 | 288 | Average |
| 17745.000 | 45.31 | 13.36 | 58.67 | 74.00 | -15.33 | 150 | 288 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1799.000 | 51.31 | -13.87 | 37.44 | 68.20 | -30.76 | 150 | 10 | Peak |
| 2122.000 | 55.30 | -12.26 | 43.04 | 68.20 | -25.16 | 150 | 18 | Peak |
| 10420.000 | 41.71 | 6.74 | 48.45 | 68.20 | -19.75 | 141 | 287 | Peak |
| 15630.000 | 31.70 | 9.51 | 41.21 | 54.00 | -12.79 | 154 | 36 | Average |
| 15630.000 | 42.61 | 9.51 | 52.12 | 74.00 | -21.88 | 154 | 36 | Peak |
| 16028.000 | 32.26 | 10.93 | 43.19 | 54.00 | -10.81 | 150 | 306 | Average |
| 16028.000 | 44.65 | 10.93 | 55.58 | 74.00 | -18.42 | 150 | 306 | Peak |
| 17762.000 | 33.13 | 13.39 | 46.52 | 54.00 | -7.48 | 150 | 195 | Average |
| 17762.000 | 44.29 | 13.39 | 57.68 | 74.00 | -16.32 | 150 | 195 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 5250-5350 MHz

802.11a Mode:

**5260 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 3074.000 | 52.75 | -7.96 | 44.79 | 68.20 | -23.41 | 150 | 81 | Peak |
| 10520.000 | 41.07 | 7.27 | 48.34 | 68.20 | -19.86 | 145 | 297 | Peak |
| 15780.000 | 31.96 | 9.80 | 41.76 | 54.00 | -12.24 | 160 | 152 | Average |
| 15780.000 | 43.67 | 9.80 | 53.47 | 74.00 | -20.53 | 160 | 152 | Peak |
| 17796.000 | 32.35 | 13.44 | 45.79 | 54.00 | -8.21 | 150 | 242 | Average |
| 17796.000 | 44.36 | 13.44 | 57.80 | 74.00 | -16.20 | 150 | 242 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 59.32 | -12.26 | 47.06 | 68.20 | -21.14 | 150 | 15 | Peak |
| 3074.000 | 52.16 | -7.96 | 44.20 | 68.20 | -24.00 | 335 | 358 | Peak |
| 10520.000 | 40.70 | 7.27 | 47.97 | 68.20 | -20.23 | 160 | 131 | Peak |
| 15780.000 | 31.96 | 9.80 | 41.76 | 54.00 | -12.24 | 148 | 353 | Average |
| 15780.000 | 43.30 | 9.80 | 53.10 | 74.00 | -20.90 | 148 | 353 | Peak |
| 17796.000 | 32.33 | 13.44 | 45.77 | 54.00 | -8.23 | 150 | 358 | Average |
| 17796.000 | 44.68 | 13.44 | 58.12 | 74.00 | -15.88 | 150 | 358 | Peak |

**5300 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 10600.000 | 29.40 | 7.31 | 36.71 | 54.00 | -17.29 | 146 | 296 | Average |
| 10600.000 | 40.74 | 7.31 | 48.05 | 68.20 | -20.15 | 146 | 296 | Peak |
| 14481.000 | 30.01 | 11.83 | 41.84 | 54.00 | -12.16 | 150 | 34 | Average |
| 14481.000 | 42.58 | 11.83 | 54.41 | 74.00 | -19.59 | 150 | 34 | Peak |
| 15900.000 | 30.64 | 10.03 | 40.67 | 54.00 | -13.33 | 153 | 124 | Average |
| 15900.000 | 42.68 | 10.03 | 52.71 | 74.00 | -21.29 | 153 | 124 | Peak |
| 17745.000 | 32.18 | 13.36 | 45.54 | 54.00 | -8.46 | 150 | 147 | Average |
| 17745.000 | 45.39 | 13.36 | 58.75 | 74.00 | -15.25 | 150 | 147 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 67.36 | -12.26 | 55.10 | 68.20 | -13.10 | 150 | 46 | Peak |
| 3074.000 | 54.36 | -7.96 | 46.40 | 68.20 | -21.80 | 259 | 40 | Peak |
| 10600.000 | 29.40 | 7.31 | 36.71 | 54.00 | -17.29 | 146 | 286 | Average |
| 10600.000 | 41.57 | 7.31 | 48.88 | 68.20 | -19.32 | 146 | 286 | Peak |
| 15900.000 | 31.13 | 10.03 | 41.16 | 54.00 | -12.84 | 156 | 318 | Average |
| 15900.000 | 43.46 | 10.03 | 53.49 | 74.00 | -20.51 | 156 | 319 | Peak |
| 17779.000 | 32.57 | 13.41 | 45.98 | 54.00 | -8.02 | 150 | 211 | Average |
| 17779.000 | 45.51 | 13.41 | 58.92 | 74.00 | -15.08 | 150 | 211 | Peak |

**5320 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 10640.000 | 29.38 | 7.34 | 36.72 | 54.00 | -17.28 | 156 | 154 | Average |
| 10640.000 | 41.35 | 7.34 | 48.69 | 74.00 | -25.31 | 156 | 154 | Peak |
| 14481.000 | 29.97 | 11.83 | 41.80 | 54.00 | -12.20 | 150 | 297 | Average |
| 14481.000 | 43.20 | 11.83 | 55.03 | 74.00 | -18.97 | 150 | 297 | Peak |
| 15960.000 | 32.04 | 10.56 | 42.60 | 54.00 | -11.40 | 142 | 314 | Average |
| 15960.000 | 43.72 | 10.56 | 54.28 | 74.00 | -19.72 | 142 | 314 | Peak |
| 17779.000 | 32.22 | 13.41 | 45.63 | 54.00 | -8.37 | 150 | 143 | Average |
| 17779.000 | 45.96 | 13.41 | 59.37 | 74.00 | -14.63 | 150 | 143 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1986.000 | 50.00 | -11.75 | 38.25 | 68.20 | -29.95 | 150 | 301 | Peak |
| 3074.000 | 55.08 | -7.96 | 47.12 | 68.20 | -21.08 | 150 | 299 | Peak |
| 10640.000 | 29.45 | 7.34 | 36.79 | 54.00 | -17.21 | 143 | 147 | Average |
| 10640.000 | 41.19 | 7.34 | 48.53 | 74.00 | -25.47 | 143 | 147 | Peak |
| 15960.000 | 31.70 | 10.56 | 42.26 | 54.00 | -11.74 | 151 | 188 | Average |
| 15960.000 | 44.04 | 10.56 | 54.60 | 74.00 | -19.40 | 151 | 188 | Peak |
| 17779.000 | 32.24 | 13.41 | 45.65 | 54.00 | -8.35 | 150 | 9 | Average |
| 17779.000 | 44.50 | 13.41 | 57.91 | 74.00 | -16.09 | 150 | 9 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

802.11ac VHT20 Mode:

**5260 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 58.15 | -14.51 | 43.64 | 68.20 | -24.56 | 150 | 3 | Peak |
| 2122.000 | 53.92 | -12.26 | 41.66 | 68.20 | -26.54 | 150 | 228 | Peak |
| 10520.000 | 41.67 | 7.27 | 48.94 | 68.20 | -19.26 | 142 | 342 | Peak |
| 14481.000 | 29.79 | 11.83 | 41.62 | 54.00 | -12.38 | 150 | 326 | Average |
| 14481.000 | 41.82 | 11.83 | 53.65 | 74.00 | -20.35 | 150 | 326 | Peak |
| 15780.000 | 31.72 | 9.80 | 41.52 | 54.00 | -12.48 | 160 | 333 | Average |
| 15780.000 | 42.32 | 9.80 | 52.12 | 74.00 | -21.88 | 160 | 333 | Peak |
| 17779.000 | 32.19 | 13.41 | 45.60 | 54.00 | -8.40 | 150 | 237 | Average |
| 17779.000 | 44.22 | 13.41 | 57.63 | 74.00 | -16.37 | 150 | 237 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 60.47 | -12.26 | 48.21 | 68.20 | -19.99 | 150 | 174 | Peak |
| 3074.000 | 52.11 | -7.96 | 44.15 | 68.20 | -24.05 | 335 | 358 | Peak |
| 10520.000 | 40.85 | 7.27 | 48.12 | 68.20 | -20.08 | 160 | 323 | Peak |
| 15780.000 | 32.09 | 9.80 | 41.89 | 54.00 | -12.11 | 143 | 93 | Average |
| 15780.000 | 43.78 | 9.80 | 53.58 | 74.00 | -20.42 | 143 | 93 | Peak |
| 17779.000 | 32.20 | 13.41 | 45.61 | 54.00 | -8.39 | 150 | 187 | Average |
| 17779.000 | 44.97 | 13.41 | 58.38 | 74.00 | -15.62 | 150 | 187 | Peak |

**5300 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 58.20 | -12.26 | 45.94 | 68.20 | -22.26 | 150 | 41 | Peak |
| 2649.000 | 53.65 | -9.50 | 44.15 | 68.20 | -24.05 | 322 | 41 | Peak |
| 10600.000 | 41.12 | 7.31 | 48.43 | 68.20 | -19.77 | 151 | 164 | Peak |
| 15900.000 | 31.04 | 10.03 | 41.07 | 54.00 | -12.93 | 158 | 40 | Average |
| 15900.000 | 42.74 | 10.03 | 52.77 | 74.00 | -21.23 | 158 | 40 | Peak |
| 17745.000 | 32.30 | 13.36 | 45.66 | 54.00 | -8.34 | 150 | 193 | Average |
| 17745.000 | 44.59 | 13.36 | 57.95 | 74.00 | -16.05 | 150 | 193 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 64.75 | -14.51 | 50.24 | 68.20 | -17.96 | 150 | 321 | Peak |
| 2649.000 | 53.72 | -9.50 | 44.22 | 68.20 | -23.98 | 253 | 358 | Peak |
| 10600.000 | 40.12 | 7.31 | 47.43 | 68.20 | -20.77 | 154 | 155 | Peak |
| 15900.000 | 30.94 | 10.03 | 40.97 | 54.00 | -13.03 | 157 | 297 | Average |
| 15900.000 | 41.92 | 10.03 | 51.95 | 74.00 | -22.05 | 157 | 297 | Peak |
| 17762.000 | 32.33 | 13.39 | 45.72 | 54.00 | -8.28 | 150 | 221 | Average |
| 17762.000 | 44.44 | 13.39 | 57.83 | 74.00 | -16.17 | 150 | 221 | Peak |

**5320 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 10640.000 | 29.59 | 7.34 | 36.93 | 54.00 | -17.07 | 152 | 136 | Average |
| 10640.000 | 41.31 | 7.34 | 48.65 | 74.00 | -25.35 | 152 | 136 | Peak |
| 15960.000 | 31.78 | 10.56 | 42.34 | 54.00 | -11.66 | 144 | 112 | Average |
| 15960.000 | 43.38 | 10.56 | 53.94 | 74.00 | -20.06 | 144 | 112 | Peak |
| 17762.000 | 32.30 | 13.39 | 45.69 | 54.00 | -8.31 | 150 | 267 | Average |
| 17762.000 | 44.25 | 13.39 | 57.64 | 74.00 | -16.36 | 150 | 267 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1986.000 | 50.00 | -11.75 | 38.25 | 68.20 | -29.95 | 150 | 301 | Peak |
| 3074.000 | 55.08 | -7.96 | 47.12 | 68.20 | -21.08 | 150 | 299 | Peak |
| 10640.000 | 29.45 | 7.34 | 36.79 | 54.00 | -17.21 | 143 | 147 | Average |
| 10640.000 | 41.19 | 7.34 | 48.53 | 74.00 | -25.47 | 143 | 147 | Peak |
| 15960.000 | 31.70 | 10.56 | 42.26 | 54.00 | -11.74 | 151 | 188 | Average |
| 15960.000 | 44.04 | 10.56 | 54.60 | 74.00 | -19.40 | 151 | 188 | Peak |
| 17779.000 | 32.24 | 13.41 | 45.65 | 54.00 | -8.35 | 150 | 9 | Average |
| 17779.000 | 44.50 | 13.41 | 57.91 | 74.00 | -16.09 | 150 | 9 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 802.11ac VHT40 Mode:

**5270 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1952.000 | 56.13 | -12.00 | 44.13 | 68.20 | -24.07 | 150 | 358 | Peak |
| 3074.000 | 51.48 | -7.96 | 43.52 | 68.20 | -24.68 | 150 | 340 | Peak |
| 10540.000 | 41.25 | 7.28 | 48.53 | 68.20 | -19.67 | 158 | 238 | Peak |
| 15810.000 | 32.21 | 9.93 | 42.14 | 54.00 | -11.86 | 147 | 359 | Average |
| 15810.000 | 43.08 | 9.93 | 53.01 | 74.00 | -20.99 | 147 | 359 | Peak |
| 17796.000 | 32.65 | 13.44 | 46.09 | 54.00 | -7.91 | 150 | 93 | Average |
| 17796.000 | 44.54 | 13.44 | 57.98 | 74.00 | -16.02 | 150 | 93 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1935.000 | 57.62 | -12.28 | 45.34 | 68.20 | -22.86 | 150 | 20 | Peak |
| 3074.000 | 55.49 | -7.96 | 47.53 | 68.20 | -20.67 | 150 | 122 | Peak |
| 10540.000 | 39.93 | 7.28 | 47.21 | 68.20 | -20.99 | 142 | 247 | Peak |
| 14498.000 | 29.91 | 11.89 | 41.80 | 54.00 | -12.20 | 150 | 256 | Average |
| 14498.000 | 42.42 | 11.89 | 54.31 | 74.00 | -19.69 | 150 | 256 | Peak |
| 15810.000 | 31.89 | 9.93 | 41.82 | 54.00 | -12.18 | 151 | 120 | Average |
| 15810.000 | 44.48 | 9.93 | 54.41 | 74.00 | -19.59 | 151 | 120 | Peak |
| 16045.000 | 31.81 | 10.92 | 42.73 | 54.00 | -11.27 | 150 | 46 | Average |
| 16045.000 | 44.82 | 10.92 | 55.74 | 74.00 | -18.26 | 150 | 46 | Peak |
| 17813.000 | 32.45 | 13.50 | 45.95 | 54.00 | -8.05 | 150 | 323 | Average |
| 17813.000 | 43.79 | 13.50 | 57.29 | 74.00 | -16.71 | 150 | 323 | Peak |

**5310 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 62.94 | -14.51 | 48.43 | 68.20 | -19.77 | 150 | 335 | Peak |
| 2649.000 | 58.46 | -9.50 | 48.96 | 68.20 | -19.24 | 150 | 277 | Peak |
| 10620.000 | 29.38 | 7.32 | 36.70 | 54.00 | -17.30 | 145 | 205 | Average |
| 10620.000 | 40.60 | 7.32 | 47.92 | 74.00 | -26.08 | 145 | 205 | Peak |
| 14481.000 | 30.09 | 11.83 | 41.92 | 54.00 | -12.08 | 150 | 252 | Average |
| 14481.000 | 43.25 | 11.83 | 55.08 | 74.00 | -18.92 | 150 | 252 | Peak |
| 15930.000 | 31.31 | 10.30 | 41.61 | 54.00 | -12.39 | 144 | 212 | Average |
| 15930.000 | 42.82 | 10.30 | 53.12 | 74.00 | -20.88 | 144 | 212 | Peak |
| 17830.000 | 31.26 | 13.61 | 44.87 | 54.00 | -9.13 | 150 | 153 | Average |
| 17830.000 | 45.01 | 13.61 | 58.62 | 74.00 | -15.38 | 150 | 153 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 58.61 | -14.51 | 44.10 | 68.20 | -24.10 | 150 | 159 | Peak |
| 2649.000 | 52.61 | -9.50 | 43.11 | 68.20 | -25.09 | 150 | 194 | Peak |
| 10620.000 | 29.57 | 7.32 | 36.89 | 54.00 | -17.11 | 160 | 100 | Average |
| 10620.000 | 41.01 | 7.32 | 48.33 | 74.00 | -25.67 | 160 | 100 | Peak |
| 15930.000 | 31.53 | 10.30 | 41.83 | 54.00 | -12.17 | 143 | 202 | Average |
| 15930.000 | 43.55 | 10.30 | 53.85 | 74.00 | -20.15 | 143 | 202 | Peak |
| 17779.000 | 32.61 | 13.41 | 46.02 | 54.00 | -7.98 | 150 | 40 | Average |
| 17779.000 | 45.68 | 13.41 | 59.09 | 74.00 | -14.91 | 150 | 40 | Peak |

## 802.11ac VHT80 Mode:

**5290 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 3074.000 | 45.32 | -7.96 | 37.36 | 68.20 | -30.84 | 150 | 83 | Peak |
| 10580.000 | 41.02 | 7.30 | 48.32 | 68.20 | -19.88 | 145 | 341 | Peak |
| 15870.000 | 31.69 | 9.99 | 41.68 | 54.00 | -12.32 | 149 | 203 | Average |
| 15870.000 | 42.76 | 9.99 | 52.75 | 74.00 | -21.25 | 149 | 203 | Peak |
| 17813.000 | 32.75 | 13.50 | 46.25 | 54.00 | -7.75 | 150 | 297 | Average |
| 17813.000 | 44.50 | 13.50 | 58.00 | 74.00 | -16.00 | 150 | 297 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 63.90 | -12.26 | 51.64 | 68.20 | -16.56 | 150 | 31 | Peak |
| 3074.000 | 55.57 | -7.96 | 47.61 | 68.20 | -20.59 | 150 | 96 | Peak |
| 10580.000 | 41.33 | 7.30 | 48.63 | 68.20 | -19.57 | 143 | 232 | Peak |
| 15870.000 | 32.08 | 9.99 | 42.07 | 54.00 | -11.93 | 151 | 282 | Average |
| 15870.000 | 41.80 | 9.99 | 51.79 | 74.00 | -22.21 | 151 | 282 | Peak |
| 17762.000 | 33.18 | 13.39 | 46.57 | 54.00 | -7.43 | 150 | 228 | Average |
| 17762.000 | 43.92 | 13.39 | 57.31 | 74.00 | -16.69 | 150 | 228 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 5470-5725 MHz

802.11a Mode:

**5500 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2428.000 | 47.57 | -10.87 | 36.70 | 68.20 | -31.50 | 150 | 24 | Peak |
| 3074.000 | 46.46 | -7.96 | 38.50 | 68.20 | -29.70 | 150 | 99 | Peak |
| 11000.000 | 29.03 | 8.57 | 37.60 | 54.00 | -16.40 | 148 | 109 | Average |
| 11000.000 | 41.25 | 8.57 | 49.82 | 74.00 | -24.18 | 148 | 109 | Peak |
| 16045.000 | 31.58 | 10.92 | 42.50 | 54.00 | -11.50 | 150 | 194 | Average |
| 16045.000 | 43.90 | 10.92 | 54.82 | 74.00 | -19.18 | 150 | 194 | Peak |
| 16500.000 | 42.44 | 12.36 | 54.80 | 68.20 | -13.40 | 157 | 227 | Peak |
| 17796.000 | 32.32 | 13.44 | 45.76 | 54.00 | -8.24 | 150 | 305 | Average |
| 17796.000 | 45.59 | 13.44 | 59.03 | 74.00 | -14.97 | 150 | 305 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1697.000 | 33.37 | -14.64 | 18.73 | 54.00 | -35.27 | 150 | 7 | Average |
| 1697.000 | 60.07 | -14.64 | 45.43 | 74.00 | -28.57 | 150 | 7 | Peak |
| 2122.000 | 60.46 | -12.26 | 48.20 | 68.20 | -20.00 | 150 | 34 | Peak |
| 11000.000 | 29.19 | 8.57 | 37.76 | 54.00 | -16.24 | 152 | 144 | Average |
| 11000.000 | 41.88 | 8.57 | 50.45 | 74.00 | -23.55 | 152 | 144 | Peak |
| 16011.000 | 32.04 | 10.92 | 42.96 | 54.00 | -11.04 | 150 | 76 | Average |
| 16011.000 | 45.23 | 10.92 | 56.15 | 74.00 | -17.85 | 150 | 76 | Peak |
| 16500.000 | 44.00 | 12.36 | 56.36 | 68.20 | -11.84 | 145 | 255 | Peak |
| 17779.000 | 32.37 | 13.41 | 45.78 | 54.00 | -8.22 | 150 | 301 | Average |
| 17779.000 | 44.99 | 13.41 | 58.40 | 74.00 | -15.60 | 150 | 301 | Peak |

**5580 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 35.05 | -14.78 | 20.27 | 54.00 | -33.73 | 150 | 357 | Average |
| 1595.000 | 51.03 | -14.78 | 36.25 | 74.00 | -37.75 | 150 | 357 | Peak |
| 2122.000 | 52.38 | -12.26 | 40.12 | 68.20 | -28.08 | 150 | 301 | Peak |
| 11160.000 | 29.01 | 8.72 | 37.73 | 54.00 | -16.27 | 145 | 20 | Average |
| 11160.000 | 41.00 | 8.72 | 49.72 | 74.00 | -24.28 | 145 | 20 | Peak |
| 16045.000 | 31.68 | 10.92 | 42.60 | 54.00 | -11.40 | 150 | 178 | Average |
| 16045.000 | 44.62 | 10.92 | 55.54 | 74.00 | -18.46 | 150 | 178 | Peak |
| 16740.000 | 42.22 | 12.22 | 54.44 | 68.20 | -13.76 | 155 | 276 | Peak |
| 17779.000 | 32.46 | 13.41 | 45.87 | 54.00 | -8.13 | 150 | 68 | Average |
| 17779.000 | 44.44 | 13.41 | 57.85 | 74.00 | -16.15 | 150 | 68 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 54.37 | -12.26 | 42.11 | 68.20 | -26.09 | 150 | 109 | Peak |
| 2649.000 | 55.42 | -9.50 | 45.92 | 68.20 | -22.28 | 150 | 182 | Peak |
| 11160.000 | 29.16 | 8.72 | 37.88 | 54.00 | -16.12 | 149 | 16 | Average |
| 11160.000 | 40.46 | 8.72 | 49.18 | 74.00 | -24.82 | 149 | 16 | Peak |
| 16028.000 | 31.88 | 10.93 | 42.81 | 54.00 | -11.19 | 150 | 210 | Average |
| 16028.000 | 44.60 | 10.93 | 55.53 | 74.00 | -18.47 | 150 | 210 | Peak |
| 16740.000 | 43.00 | 12.22 | 55.22 | 68.20 | -12.98 | 158 | 9 | Peak |
| 17779.000 | 32.39 | 13.41 | 45.80 | 54.00 | -8.20 | 150 | 333 | Average |
| 17779.000 | 44.75 | 13.41 | 58.16 | 74.00 | -15.84 | 150 | 333 | Peak |

**5700 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 50.04 | -12.26 | 37.78 | 68.20 | -30.42 | 150 | 201 | Peak |
| 11400.000 | 29.41 | 8.58 | 37.99 | 54.00 | -16.01 | 141 | 3 | Average |
| 11400.000 | 42.19 | 8.58 | 50.77 | 74.00 | -23.23 | 141 | 3 | Peak |
| 15977.000 | 31.95 | 10.72 | 42.67 | 54.00 | -11.33 | 150 | 355 | Average |
| 15977.000 | 45.33 | 10.72 | 56.05 | 74.00 | -17.95 | 150 | 355 | Peak |
| 17100.000 | 42.89 | 12.52 | 55.41 | 68.20 | -12.79 | 156 | 12 | Peak |
| 17762.000 | 32.51 | 13.39 | 45.90 | 54.00 | -8.10 | 150 | 119 | Average |
| 17762.000 | 45.52 | 13.39 | 58.91 | 74.00 | -15.09 | 150 | 119 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 35.87 | -14.78 | 21.09 | 54.00 | -32.91 | 150 | 6 | Average |
| 1595.000 | 57.31 | -14.78 | 42.53 | 74.00 | -31.47 | 150 | 6 | Peak |
| 2649.000 | 51.48 | -9.50 | 41.98 | 68.20 | -26.22 | 150 | 19 | Peak |
| 3074.000 | 50.24 | -7.96 | 42.28 | 68.20 | -25.92 | 150 | 88 | Peak |
| 11400.000 | 29.17 | 8.58 | 37.75 | 54.00 | -16.25 | 144 | 190 | Average |
| 11400.000 | 41.55 | 8.58 | 50.13 | 74.00 | -23.87 | 144 | 190 | Peak |
| 15994.000 | 32.14 | 10.86 | 43.00 | 54.00 | -11.00 | 150 | 315 | Average |
| 15994.000 | 43.92 | 10.86 | 54.78 | 74.00 | -19.22 | 150 | 315 | Peak |
| 17100.000 | 42.80 | 12.52 | 55.32 | 68.20 | -12.88 | 155 | 50 | Peak |
| 17779.000 | 32.32 | 13.41 | 45.73 | 54.00 | -8.27 | 150 | 204 | Average |
| 17779.000 | 44.94 | 13.41 | 58.35 | 74.00 | -15.65 | 150 | 204 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

802.11ac VHT20 Mode:

**5500 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 31.48 | -14.78 | 16.70 | 54.00 | -37.30 | 150 | 105 | Average |
| 1595.000 | 49.57 | -14.78 | 34.79 | 74.00 | -39.21 | 150 | 105 | Peak |
| 3193.000 | 50.50 | -7.25 | 43.25 | 68.20 | -24.95 | 150 | 118 | Peak |
| 11000.000 | 28.93 | 8.57 | 37.50 | 54.00 | -16.50 | 156 | 21 | Average |
| 11000.000 | 40.07 | 8.57 | 48.64 | 74.00 | -25.36 | 156 | 21 | Peak |
| 15943.000 | 31.24 | 10.42 | 41.66 | 54.00 | -12.34 | 150 | 308 | Average |
| 15943.000 | 45.03 | 10.42 | 55.45 | 74.00 | -18.55 | 150 | 308 | Peak |
| 16500.000 | 42.91 | 12.36 | 55.27 | 68.20 | -12.93 | 141 | 209 | Peak |
| 17745.000 | 32.09 | 13.36 | 45.45 | 54.00 | -8.55 | 150 | 68 | Average |
| 17745.000 | 44.38 | 13.36 | 57.74 | 74.00 | -16.26 | 150 | 68 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 3074.000 | 49.02 | -7.96 | 41.06 | 68.20 | -27.14 | 150 | 56 | Peak |
| 11000.000 | 28.93 | 8.57 | 37.50 | 54.00 | -16.50 | 149 | 301 | Average |
| 11000.000 | 40.07 | 8.57 | 48.64 | 74.00 | -25.36 | 149 | 301 | Peak |
| 15943.000 | 31.24 | 10.42 | 41.66 | 54.00 | -12.34 | 150 | 16 | Average |
| 15943.000 | 45.03 | 10.42 | 55.45 | 74.00 | -18.55 | 150 | 16 | Peak |
| 16500.000 | 42.91 | 12.36 | 55.27 | 68.20 | -12.93 | 153 | 88 | Peak |
| 17745.000 | 32.09 | 13.36 | 45.45 | 54.00 | -8.55 | 150 | 216 | Average |
| 17745.000 | 44.38 | 13.36 | 57.74 | 74.00 | -16.26 | 150 | 216 | Peak |

**5580 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 53.92 | -12.26 | 41.66 | 68.20 | -26.54 | 150 | 22 | Peak |
| 11160.000 | 29.27 | 8.72 | 37.99 | 54.00 | -16.01 | 143 | 156 | Average |
| 11160.000 | 40.76 | 8.72 | 49.48 | 74.00 | -24.52 | 143 | 156 | Peak |
| 16028.000 | 31.68 | 10.93 | 42.61 | 54.00 | -11.39 | 150 | 236 | Average |
| 16028.000 | 44.72 | 10.93 | 55.65 | 74.00 | -18.35 | 150 | 236 | Peak |
| 16740.000 | 42.10 | 12.22 | 54.32 | 68.20 | -13.88 | 156 | 311 | Peak |
| 17813.000 | 32.14 | 13.50 | 45.64 | 54.00 | -8.36 | 150 | 5 | Average |
| 17813.000 | 44.80 | 13.50 | 58.30 | 74.00 | -15.70 | 150 | 5 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 53.13 | -12.26 | 40.87 | 68.20 | -27.33 | 150 | 6 | Peak |
| 2649.000 | 51.31 | -9.50 | 41.81 | 68.20 | -26.39 | 150 | 25 | Peak |
| 3176.000 | 52.80 | -7.30 | 45.50 | 68.20 | -22.70 | 150 | 33 | Peak |
| 11160.000 | 29.09 | 8.72 | 37.81 | 54.00 | -16.19 | 147 | 156 | Average |
| 11160.000 | 41.60 | 8.72 | 50.32 | 74.00 | -23.68 | 147 | 156 | Peak |
| 15773.000 | 31.84 | 9.75 | 41.59 | 54.00 | -12.41 | 150 | 344 | Average |
| 15773.000 | 45.77 | 9.75 | 55.52 | 74.00 | -18.48 | 150 | 344 | Peak |
| 16740.000 | 42.82 | 12.22 | 55.04 | 68.20 | -13.16 | 157 | 274 | Peak |
| 17796.000 | 32.67 | 13.44 | 46.11 | 54.00 | -7.89 | 150 | 91 | Average |
| 17796.000 | 44.62 | 13.44 | 58.06 | 74.00 | -15.94 | 150 | 91 | Peak |

**5700 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 53.62 | -12.26 | 41.36 | 68.20 | -26.84 | 150 | 6 | Peak |
| 11400.000 | 29.17 | 8.58 | 37.75 | 54.00 | -16.25 | 142 | 210 | Average |
| 11400.000 | 42.26 | 8.58 | 50.84 | 74.00 | -23.16 | 142 | 210 | Peak |
| 16028.000 | 31.82 | 10.93 | 42.75 | 54.00 | -11.25 | 150 | 12 | Average |
| 16028.000 | 44.48 | 10.93 | 55.41 | 74.00 | -18.59 | 150 | 12 | Peak |
| 17100.000 | 41.90 | 12.52 | 54.42 | 68.20 | -13.78 | 153 | 159 | Peak |
| 17796.000 | 32.25 | 13.44 | 45.69 | 54.00 | -8.31 | 150 | 78 | Average |
| 17796.000 | 45.45 | 13.44 | 58.89 | 74.00 | -15.11 | 150 | 78 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1731.000 | 48.94 | -14.36 | 34.58 | 68.20 | -33.62 | 150 | 355 | Peak |
| 2122.000 | 50.74 | -12.26 | 38.48 | 68.20 | -29.72 | 150 | 319 | Peak |
| 3074.000 | 49.16 | -7.96 | 41.20 | 68.20 | -27.00 | 150 | 101 | Peak |
| 11400.000 | 28.86 | 8.58 | 37.44 | 54.00 | -16.56 | 146 | 288 | Average |
| 11400.000 | 40.40 | 8.58 | 48.98 | 74.00 | -25.02 | 146 | 288 | Peak |
| 17100.000 | 40.85 | 12.52 | 53.37 | 68.20 | -14.83 | 156 | 48 | Peak |
| 17762.000 | 32.41 | 13.39 | 45.80 | 54.00 | -8.20 | 150 | 321 | Average |
| 17762.000 | 44.90 | 13.39 | 58.29 | 74.00 | -15.71 | 150 | 321 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

802.11ac VHT40 Mode:

**5510 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1918.000 | 48.01 | -12.41 | 35.60 | 68.20 | -32.60 | 150 | 105 | Peak |
| 3193.000 | 45.75 | -6.99 | 38.76 | 68.20 | -29.44 | 150 | 7 | Peak |
| 11020.000 | 28.82 | 8.21 | 37.03 | 54.00 | -16.97 | 148 | 63 | Average |
| 11020.000 | 40.92 | 8.21 | 49.13 | 74.00 | -24.87 | 148 | 63 | Peak |
| 14498.000 | 29.98 | 11.43 | 41.41 | 54.00 | -12.59 | 150 | 165 | Average |
| 14498.000 | 42.58 | 11.43 | 54.01 | 74.00 | -19.99 | 150 | 165 | Peak |
| 16045.000 | 31.68 | 10.42 | 42.10 | 54.00 | -11.90 | 150 | 347 | Average |
| 16045.000 | 44.93 | 10.42 | 55.35 | 74.00 | -18.65 | 150 | 347 | Peak |
| 16530.000 | 42.43 | 12.17 | 54.60 | 68.20 | -13.60 | 157 | 222 | Peak |
| 17796.000 | 32.19 | 13.72 | 45.91 | 54.00 | -8.09 | 150 | 89 | Average |
| 17796.000 | 44.37 | 13.72 | 58.09 | 74.00 | -15.91 | 150 | 89 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 31.84 | -14.63 | 17.21 | 54.00 | -36.79 | 150 | 199 | Average |
| 1595.000 | 52.15 | -14.63 | 37.52 | 74.00 | -36.48 | 150 | 199 | Peak |
| 3074.000 | 49.69 | -7.67 | 42.02 | 68.20 | -26.18 | 150 | 258 | Peak |
| 11020.000 | 29.03 | 8.21 | 37.24 | 54.00 | -16.76 | 145 | 6 | Average |
| 11020.000 | 41.80 | 8.21 | 50.01 | 74.00 | -23.99 | 145 | 6 | Peak |
| 16011.000 | 31.79 | 10.32 | 42.11 | 54.00 | -11.89 | 150 | 34 | Average |
| 16011.000 | 45.00 | 10.32 | 55.32 | 74.00 | -18.68 | 150 | 34 | Peak |
| 16530.000 | 42.03 | 12.17 | 54.20 | 68.20 | -14.00 | 153 | 167 | Peak |
| 17779.000 | 32.12 | 13.65 | 45.77 | 54.00 | -8.23 | 150 | 317 | Average |
| 17779.000 | 44.49 | 13.65 | 58.14 | 74.00 | -15.86 | 150 | 317 | Peak |

**5550 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 49.94 | -11.99 | 37.95 | 68.20 | -30.25 | 150 | 15 | Peak |
| 11100.000 | 28.61 | 8.35 | 36.96 | 54.00 | -17.04 | 146 | 325 | Average |
| 11100.000 | 40.84 | 8.35 | 49.19 | 74.00 | -24.81 | 146 | 325 | Peak |
| 15994.000 | 31.88 | 10.25 | 42.13 | 54.00 | -11.87 | 150 | 59 | Average |
| 15994.000 | 44.55 | 10.25 | 54.80 | 74.00 | -19.20 | 150 | 59 | Peak |
| 16650.000 | 43.71 | 12.36 | 56.07 | 68.20 | -12.13 | 159 | 221 | Peak |
| 17779.000 | 32.08 | 13.65 | 45.73 | 54.00 | -8.27 | 150 | 196 | Average |
| 17779.000 | 45.81 | 13.65 | 59.46 | 74.00 | -14.54 | 150 | 196 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 53.69 | -14.32 | 39.37 | 68.20 | -28.83 | 150 | 298 | Peak |
| 2649.000 | 49.75 | -9.26 | 40.49 | 68.20 | -27.71 | 150 | 309 | Peak |
| 3074.000 | 50.60 | -7.67 | 42.93 | 68.20 | -25.27 | 150 | 326 | Peak |
| 11100.000 | 28.91 | 8.35 | 37.26 | 54.00 | -16.74 | 140 | 26 | Average |
| 11100.000 | 40.09 | 8.35 | 48.44 | 74.00 | -25.56 | 140 | 26 | Peak |
| 16028.000 | 31.86 | 10.38 | 42.24 | 54.00 | -11.76 | 150 | 177 | Average |
| 16028.000 | 44.58 | 10.38 | 54.96 | 74.00 | -19.04 | 150 | 177 | Peak |
| 16650.000 | 44.07 | 12.36 | 56.43 | 68.20 | -11.77 | 155 | 193 | Peak |
| 17779.000 | 32.47 | 13.65 | 46.12 | 54.00 | -7.88 | 150 | 269 | Average |
| 17779.000 | 44.06 | 13.65 | 57.71 | 74.00 | -16.29 | 150 | 269 | Peak |

**5670 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 57.54 | -14.32 | 43.22 | 68.20 | -24.98 | 150 | 162 | Peak |
| 2122.000 | 52.52 | -11.99 | 40.53 | 68.20 | -27.67 | 150 | 188 | Peak |
| 11340.000 | 29.08 | 8.26 | 37.34 | 54.00 | -16.66 | 142 | 39 | Average |
| 11340.000 | 42.17 | 8.26 | 50.43 | 74.00 | -23.57 | 142 | 39 | Peak |
| 15960.000 | 31.83 | 10.06 | 41.89 | 54.00 | -12.11 | 150 | 325 | Average |
| 15960.000 | 45.13 | 10.06 | 55.19 | 74.00 | -18.81 | 150 | 325 | Peak |
| 17010.000 | 42.29 | 11.89 | 54.18 | 68.20 | -14.02 | 154 | 299 | Peak |
| 17762.000 | 32.04 | 13.59 | 45.63 | 54.00 | -8.37 | 150 | 78 | Average |
| 17762.000 | 44.24 | 13.59 | 57.83 | 74.00 | -16.17 | 150 | 78 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 53.18 | -14.32 | 38.86 | 68.20 | -29.34 | 150 | 9 | Peak |
| 2649.000 | 49.30 | -9.26 | 40.04 | 68.20 | -28.16 | 150 | 27 | Peak |
| 3074.000 | 49.85 | -7.67 | 42.18 | 68.20 | -26.02 | 150 | 156 | Peak |
| 11340.000 | 29.50 | 8.26 | 37.76 | 54.00 | -16.24 | 141 | 16 | Average |
| 11340.000 | 40.93 | 8.26 | 49.19 | 74.00 | -24.81 | 141 | 16 | Peak |
| 14447.000 | 42.98 | 11.38 | 54.36 | 68.20 | -13.84 | 150 | 147 | Peak |
| 17010.000 | 41.34 | 11.89 | 53.23 | 68.20 | -14.97 | 158 | 233 | Peak |
| 17779.000 | 32.51 | 13.65 | 46.16 | 54.00 | -7.84 | 150 | 341 | Average |
| 17779.000 | 44.36 | 13.65 | 58.01 | 74.00 | -15.99 | 150 | 341 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 802.11ac VHT80 Mode:

**5530 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.89 | -14.32 | 40.57 | 68.20 | -27.63 | 150 | 357 | Peak |
| 11060.000 | 30.28 | 8.28 | 38.56 | 54.00 | -15.44 | 146 | 111 | Average |
| 11060.000 | 40.44 | 8.28 | 48.72 | 74.00 | -25.28 | 146 | 111 | Peak |
| 16590.000 | 43.18 | 12.30 | 55.48 | 68.20 | -12.72 | 152 | 43 | Peak |
| 17796.000 | 33.20 | 13.72 | 46.92 | 54.00 | -7.08 | 150 | 212 | Average |
| 17796.000 | 44.42 | 13.72 | 58.14 | 74.00 | -15.86 | 150 | 212 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1986.000 | 47.82 | -11.54 | 36.28 | 68.20 | -31.92 | 150 | 14 | Peak |
| 3193.000 | 51.57 | -6.99 | 44.58 | 68.20 | -23.62 | 150 | 72 | Peak |
| 11060.000 | 29.81 | 8.28 | 38.09 | 54.00 | -15.91 | 149 | 317 | Average |
| 11060.000 | 40.42 | 8.28 | 48.70 | 74.00 | -25.30 | 149 | 317 | Peak |
| 15960.000 | 32.26 | 10.06 | 42.32 | 54.00 | -11.68 | 150 | 256 | Average |
| 15960.000 | 44.37 | 10.06 | 54.43 | 74.00 | -19.57 | 150 | 256 | Peak |
| 16590.000 | 43.29 | 12.30 | 55.59 | 68.20 | -12.61 | 157 | 152 | Peak |
| 17779.000 | 32.93 | 13.65 | 46.58 | 54.00 | -7.42 | 150 | 8 | Average |
| 17779.000 | 45.00 | 13.65 | 58.65 | 74.00 | -15.35 | 150 | 8 | Peak |

**5610 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1323.000 | 33.29 | -14.63 | 18.66 | 54.00 | -35.34 | 150 | 3 | Average |
| 1323.000 | 49.17 | -14.63 | 34.54 | 74.00 | -39.46 | 150 | 3 | Peak |
| 1714.000 | 56.00 | -14.32 | 41.68 | 68.20 | -26.52 | 150 | 12 | Peak |
| 11220.000 | 29.69 | 8.34 | 38.03 | 54.00 | -15.97 | 147 | 231 | Average |
| 11220.000 | 41.29 | 8.34 | 49.63 | 74.00 | -24.37 | 147 | 231 | Peak |
| 14481.000 | 30.93 | 11.41 | 42.34 | 54.00 | -11.66 | 150 | 88 | Average |
| 14481.000 | 43.49 | 11.41 | 54.90 | 74.00 | -19.10 | 150 | 88 | Peak |
| 16096.000 | 31.34 | 10.56 | 41.90 | 54.00 | -12.10 | 150 | 306 | Average |
| 16096.000 | 44.18 | 10.56 | 54.74 | 74.00 | -19.26 | 150 | 306 | Peak |
| 16830.000 | 43.22 | 12.04 | 55.26 | 68.20 | -12.94 | 156 | 169 | Peak |
| 17779.000 | 34.34 | 13.65 | 47.99 | 54.00 | -6.01 | 150 | 199 | Average |
| 17779.000 | 44.56 | 13.65 | 58.21 | 74.00 | -15.79 | 150 | 199 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 52.81 | -14.32 | 38.49 | 68.20 | -29.71 | 150 | 12 | Peak |
| 3193.000 | 49.96 | -6.99 | 42.97 | 68.20 | -25.23 | 150 | 73 | Peak |
| 11220.000 | 29.28 | 8.34 | 37.62 | 54.00 | -16.38 | 142 | 311 | Average |
| 11220.000 | 41.00 | 8.34 | 49.34 | 74.00 | -24.66 | 142 | 311 | Peak |
| 16096.000 | 31.06 | 10.56 | 41.62 | 54.00 | -12.38 | 150 | 128 | Average |
| 16096.000 | 43.96 | 10.56 | 54.52 | 74.00 | -19.48 | 150 | 128 | Peak |
| 16830.000 | 42.92 | 12.04 | 54.96 | 68.20 | -13.24 | 154 | 105 | Peak |
| 17762.000 | 32.61 | 13.59 | 46.20 | 54.00 | -7.80 | 150 | 234 | Average |
| 17762.000 | 44.30 | 13.59 | 57.89 | 74.00 | -16.11 | 150 | 234 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 5725-5850 MHz

802.11a Mode:

**5745 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1697.000 | 30.27 | -14.46 | 15.81 | 54.00 | -38.19 | 150 | 96 | Average |
| 1697.000 | 53.37 | -14.46 | 38.91 | 74.00 | -35.09 | 150 | 96 | Peak |
| 11490.000 | 29.34 | 8.21 | 37.55 | 54.00 | -16.45 | 145 | 236 | Average |
| 11490.000 | 40.13 | 8.21 | 48.34 | 74.00 | -25.66 | 145 | 236 | Peak |
| 17235.000 | 40.41 | 12.63 | 53.04 | 68.20 | -15.16 | 159 | 17 | Peak |
| 17796.000 | 32.29 | 13.72 | 46.01 | 54.00 | -7.99 | 150 | 349 | Average |
| 17796.000 | 44.87 | 13.72 | 58.59 | 74.00 | -15.41 | 150 | 349 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1833.000 | 48.67 | -13.21 | 35.46 | 68.20 | -32.74 | 150 | 359 | Peak |
| 1986.000 | 50.63 | -11.54 | 39.09 | 68.20 | -29.11 | 150 | 324 | Peak |
| 2122.000 | 52.32 | -11.99 | 40.33 | 68.20 | -27.87 | 150 | 299 | Peak |
| 2649.000 | 52.89 | -9.26 | 43.63 | 68.20 | -24.57 | 150 | 238 | Peak |
| 11490.000 | 29.25 | 8.21 | 37.46 | 54.00 | -16.54 | 142 | 166 | Average |
| 11490.000 | 41.53 | 8.21 | 49.74 | 74.00 | -24.26 | 142 | 166 | Peak |
| 16028.000 | 31.61 | 10.38 | 41.99 | 54.00 | -12.01 | 150 | 9 | Average |
| 16028.000 | 44.98 | 10.38 | 55.36 | 74.00 | -18.64 | 150 | 9 | Peak |
| 17235.000 | 41.51 | 12.63 | 54.14 | 68.20 | -14.06 | 152 | 32 | Peak |
| 17779.000 | 32.49 | 13.65 | 46.14 | 54.00 | -7.86 | 150 | 77 | Average |
| 17779.000 | 44.35 | 13.65 | 58.00 | 74.00 | -16.00 | 150 | 77 | Peak |

**5785 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1748.000 | 63.22 | -14.02 | 49.20 | 68.20 | -19.00 | 150 | 318 | Peak |
| 11570.000 | 28.47 | 8.15 | 36.62 | 54.00 | -17.38 | 143 | 256 | Average |
| 11570.000 | 40.26 | 8.15 | 48.41 | 74.00 | -25.59 | 143 | 256 | Peak |
| 16028.000 | 31.49 | 10.38 | 41.87 | 54.00 | -12.13 | 150 | 8 | Average |
| 16028.000 | 44.21 | 10.38 | 54.59 | 74.00 | -19.41 | 150 | 8 | Peak |
| 17355.000 | 41.19 | 12.47 | 53.66 | 68.20 | -14.54 | 158 | 120 | Peak |
| 17830.000 | 31.40 | 13.90 | 45.30 | 54.00 | -8.70 | 150 | 43 | Average |
| 17830.000 | 44.39 | 13.90 | 58.29 | 74.00 | -15.71 | 150 | 43 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1748.000 | 61.68 | -14.02 | 47.66 | 68.20 | -20.54 | 150 | 299 | Peak |
| 2649.000 | 52.94 | -9.26 | 43.68 | 68.20 | -24.52 | 150 | 317 | Peak |
| 11570.000 | 28.63 | 8.15 | 36.78 | 54.00 | -17.22 | 141 | 149 | Average |
| 11570.000 | 40.03 | 8.15 | 48.18 | 74.00 | -25.82 | 141 | 149 | Peak |
| 17355.000 | 41.21 | 12.47 | 53.68 | 68.20 | -14.52 | 156 | 28 | Peak |
| 17796.000 | 32.28 | 13.72 | 46.00 | 54.00 | -8.00 | 150 | 5 | Average |
| 17796.000 | 44.25 | 13.72 | 57.97 | 74.00 | -16.03 | 150 | 5 | Peak |

**5825 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 32.45 | -14.63 | 17.82 | 54.00 | -36.18 | 150 | 101 | Average |
| 1595.000 | 49.19 | -14.63 | 34.56 | 74.00 | -39.44 | 150 | 101 | Peak |
| 2649.000 | 48.90 | -9.26 | 39.64 | 68.20 | -28.56 | 150 | 259 | Peak |
| 11650.000 | 28.40 | 8.38 | 36.78 | 54.00 | -17.22 | 149 | 317 | Average |
| 11650.000 | 40.14 | 8.38 | 48.52 | 74.00 | -25.48 | 149 | 317 | Peak |
| 17475.000 | 40.91 | 12.18 | 53.09 | 68.20 | -15.11 | 155 | 18 | Peak |
| 17762.000 | 32.51 | 13.59 | 46.10 | 54.00 | -7.90 | 150 | 4 | Average |
| 17762.000 | 45.65 | 13.59 | 59.24 | 74.00 | -14.76 | 150 | 4 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.79 | -14.32 | 40.47 | 68.20 | -27.73 | 150 | 288 | Peak |
| 1986.000 | 51.01 | -11.54 | 39.47 | 68.20 | -28.73 | 150 | 339 | Peak |
| 2649.000 | 56.95 | -9.26 | 47.69 | 68.20 | -20.51 | 150 | 5 | Peak |
| 11650.000 | 28.41 | 8.38 | 36.79 | 54.00 | -17.21 | 143 | 29 | Average |
| 11650.000 | 40.01 | 8.38 | 48.39 | 74.00 | -25.61 | 143 | 29 | Peak |
| 16113.000 | 30.77 | 10.59 | 41.36 | 54.00 | -12.64 | 150 | 251 | Average |
| 16113.000 | 44.10 | 10.59 | 54.69 | 74.00 | -19.31 | 150 | 251 | Peak |
| 17475.000 | 40.36 | 12.18 | 52.54 | 68.20 | -15.66 | 156 | 321 | Peak |
| 17762.000 | 32.52 | 13.59 | 46.11 | 54.00 | -7.89 | 150 | 199 | Average |
| 17762.000 | 43.99 | 13.59 | 57.58 | 74.00 | -16.42 | 150 | 199 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

802.11ac VHT20 Mode:

**5745 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1697.000 | 30.50 | -14.46 | 16.04 | 54.00 | -37.96 | 150 | 8 | Average |
| 1697.000 | 51.03 | -14.46 | 36.57 | 74.00 | -37.43 | 150 | 8 | Peak |
| 11490.000 | 29.56 | 8.21 | 37.77 | 54.00 | -16.23 | 143 | 267 | Average |
| 11490.000 | 40.71 | 8.21 | 48.92 | 74.00 | -25.08 | 143 | 267 | Peak |
| 17235.000 | 41.84 | 12.63 | 54.47 | 68.20 | -13.73 | 157 | 103 | Peak |
| 17745.000 | 32.39 | 13.52 | 45.91 | 54.00 | -8.09 | 150 | 153 | Average |
| 17745.000 | 45.40 | 13.52 | 58.92 | 74.00 | -15.08 | 150 | 153 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.41 | -14.32 | 40.09 | 68.20 | -28.11 | 150 | 270 | Peak |
| 2122.000 | 62.97 | -11.99 | 50.98 | 68.20 | -17.22 | 150 | 337 | Peak |
| 2649.000 | 54.22 | -9.26 | 44.96 | 68.20 | -23.24 | 150 | 351 | Peak |
| 11490.000 | 29.05 | 8.21 | 37.26 | 54.00 | -16.74 | 157 | 39 | Average |
| 11490.000 | 39.72 | 8.21 | 47.93 | 74.00 | -26.07 | 157 | 39 | Peak |
| 16096.000 | 31.03 | 10.56 | 41.59 | 54.00 | -12.41 | 150 | 154 | Average |
| 16096.000 | 44.14 | 10.56 | 54.70 | 74.00 | -19.30 | 150 | 154 | Peak |
| 17235.000 | 41.52 | 12.63 | 54.15 | 68.20 | -14.05 | 143 | 254 | Peak |
| 17796.000 | 32.09 | 13.72 | 45.81 | 54.00 | -8.19 | 150 | 7 | Average |
| 17796.000 | 45.32 | 13.72 | 59.04 | 74.00 | -14.96 | 150 | 7 | Peak |

**5785 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 57.92 | -14.32 | 43.60 | 68.20 | -24.60 | 150 | 51 | Peak |
| 2122.000 | 53.53 | -11.99 | 41.54 | 68.20 | -26.66 | 150 | 74 | Peak |
| 11570.000 | 28.55 | 8.15 | 36.70 | 54.00 | -17.30 | 141 | 239 | Average |
| 11570.000 | 40.43 | 8.15 | 48.58 | 74.00 | -25.42 | 141 | 239 | Peak |
| 15756.000 | 32.09 | 9.27 | 41.36 | 54.00 | -12.64 | 150 | 344 | Average |
| 15756.000 | 45.78 | 9.27 | 55.05 | 74.00 | -18.95 | 150 | 344 | Peak |
| 17355.000 | 39.97 | 12.47 | 52.44 | 68.20 | -15.76 | 156 | 19 | Peak |
| 17779.000 | 32.09 | 13.65 | 45.74 | 54.00 | -8.26 | 150 | 101 | Average |
| 17779.000 | 43.94 | 13.65 | 57.59 | 74.00 | -16.41 | 150 | 101 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 53.73 | -14.32 | 39.41 | 68.20 | -28.79 | 150 | 52 | Peak |
| 2122.000 | 61.15 | -11.99 | 49.16 | 68.20 | -19.04 | 150 | 23 | Peak |
| 2649.000 | 55.99 | -9.26 | 46.73 | 68.20 | -21.47 | 150 | 340 | Peak |
| 11570.000 | 28.84 | 8.15 | 36.99 | 54.00 | -17.01 | 158 | 264 | Average |
| 11570.000 | 40.15 | 8.15 | 48.30 | 74.00 | -25.70 | 158 | 264 | Peak |
| 15994.000 | 31.49 | 10.25 | 41.74 | 54.00 | -12.26 | 150 | 8 | Average |
| 15994.000 | 44.51 | 10.25 | 54.76 | 74.00 | -19.24 | 150 | 8 | Peak |
| 17355.000 | 41.13 | 12.47 | 53.60 | 68.20 | -14.60 | 144 | 105 | Peak |
| 17745.000 | 32.00 | 13.52 | 45.52 | 54.00 | -8.48 | 150 | 194 | Average |
| 17745.000 | 44.54 | 13.52 | 58.06 | 74.00 | -15.94 | 150 | 194 | Peak |

**5825 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 56.27 | -14.32 | 41.95 | 68.20 | -26.25 | 150 | 109 | Peak |
| 2122.000 | 54.72 | -11.99 | 42.73 | 68.20 | -25.47 | 150 | 138 | Peak |
| 11650.000 | 28.50 | 8.38 | 36.88 | 54.00 | -17.12 | 149 | 238 | Average |
| 11650.000 | 41.06 | 8.38 | 49.44 | 74.00 | -24.56 | 149 | 238 | Peak |
| 15722.000 | 31.92 | 9.09 | 41.01 | 54.00 | -12.99 | 150 | 29 | Average |
| 15722.000 | 45.50 | 9.09 | 54.59 | 74.00 | -19.41 | 150 | 29 | Peak |
| 17475.000 | 41.95 | 12.18 | 54.13 | 68.20 | -14.07 | 153 | 9 | Peak |
| 17779.000 | 32.30 | 13.65 | 45.95 | 54.00 | -8.05 | 150 | 146 | Average |
| 17779.000 | 44.90 | 13.65 | 58.55 | 74.00 | -15.45 | 150 | 146 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1714.000 | 54.79 | -14.32 | 40.47 | 68.20 | -27.73 | 150 | 288 | Peak |
| 1986.000 | 51.01 | -11.54 | 39.47 | 68.20 | -28.73 | 150 | 339 | Peak |
| 2649.000 | 56.95 | -9.26 | 47.69 | 68.20 | -20.51 | 150 | 5 | Peak |
| 11650.000 | 28.41 | 8.38 | 36.79 | 54.00 | -17.21 | 143 | 29 | Average |
| 11650.000 | 40.01 | 8.38 | 48.39 | 74.00 | -25.61 | 143 | 29 | Peak |
| 16113.000 | 30.77 | 10.59 | 41.36 | 54.00 | -12.64 | 150 | 251 | Average |
| 16113.000 | 44.10 | 10.59 | 54.69 | 74.00 | -19.31 | 150 | 251 | Peak |
| 17475.000 | 40.36 | 12.18 | 52.54 | 68.20 | -15.66 | 156 | 321 | Peak |
| 17762.000 | 32.52 | 13.59 | 46.11 | 54.00 | -7.89 | 150 | 199 | Average |
| 17762.000 | 43.99 | 13.59 | 57.58 | 74.00 | -16.42 | 150 | 199 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

## 802.11ac VHT40 Mode:

**5755 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 11510.000 | 28.47 | 8.20 | 36.67 | 54.00 | -17.33 | 154 | 288 | Average |
| 11510.000 | 40.29 | 8.20 | 48.49 | 74.00 | -25.51 | 154 | 288 | Peak |
| 16096.000 | 30.76 | 10.56 | 41.32 | 54.00 | -12.68 | 150 | 316 | Average |
| 16096.000 | 43.85 | 10.56 | 54.41 | 74.00 | -19.59 | 150 | 316 | Peak |
| 17265.000 | 42.13 | 12.55 | 54.68 | 68.20 | -13.52 | 141 | 167 | Peak |
| 17813.000 | 32.00 | 13.79 | 45.79 | 54.00 | -8.21 | 150 | 214 | Average |
| 17813.000 | 43.74 | 13.79 | 57.53 | 74.00 | -16.47 | 150 | 214 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 2122.000 | 63.88 | -11.99 | 51.89 | 68.20 | -16.31 | 150 | 354 | Peak |
| 2666.000 | 47.99 | -9.27 | 38.72 | 68.20 | -29.48 | 150 | 286 | Peak |
| 3193.000 | 47.64 | -6.99 | 40.65 | 68.20 | -27.55 | 150 | 103 | Peak |
| 11510.000 | 28.49 | 8.20 | 36.69 | 54.00 | -17.31 | 144 | 29 | Average |
| 11510.000 | 40.31 | 8.20 | 48.51 | 74.00 | -25.49 | 144 | 29 | Peak |
| 17265.000 | 41.94 | 12.55 | 54.49 | 68.20 | -13.71 | 154 | 7 | Peak |
| 17762.000 | 32.59 | 13.59 | 46.18 | 54.00 | -7.82 | 150 | 159 | Average |
| 17762.000 | 44.52 | 13.59 | 58.11 | 74.00 | -15.89 | 150 | 159 | Peak |

**5795 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1935.000 | 55.72 | -12.08 | 43.64 | 68.20 | -24.56 | 150 | 3 | Peak |
| 2122.000 | 52.43 | -11.99 | 40.44 | 68.20 | -27.76 | 150 | 204 | Peak |
| 11590.000 | 28.41 | 8.14 | 36.55 | 54.00 | -17.45 | 148 | 324 | Average |
| 11590.000 | 41.04 | 8.14 | 49.18 | 74.00 | -24.82 | 148 | 324 | Peak |
| 17385.000 | 41.03 | 12.45 | 53.48 | 68.20 | -14.72 | 154 | 109 | Peak |
| 17796.000 | 32.25 | 13.72 | 45.97 | 54.00 | -8.03 | 150 | 188 | Average |
| 17796.000 | 44.96 | 13.72 | 58.68 | 74.00 | -15.32 | 150 | 188 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1935.000 | 57.61 | -12.08 | 45.53 | 68.20 | -22.67 | 150 | 231 | Peak |
| 2122.000 | 53.64 | -11.99 | 41.65 | 68.20 | -26.55 | 150 | 241 | Peak |
| 11590.000 | 28.81 | 8.14 | 36.95 | 54.00 | -17.05 | 159 | 166 | Average |
| 11590.000 | 40.74 | 8.14 | 48.88 | 74.00 | -25.12 | 159 | 166 | Peak |
| 15994.000 | 31.57 | 10.25 | 41.82 | 54.00 | -12.18 | 150 | 8 | Average |
| 15994.000 | 44.55 | 10.25 | 54.80 | 74.00 | -19.20 | 150 | 8 | Peak |
| 17385.000 | 40.87 | 12.45 | 53.32 | 68.20 | -14.88 | 146 | 39 | Peak |
| 17949.000 | 29.69 | 14.46 | 44.15 | 54.00 | -9.85 | 150 | 177 | Average |
| 17949.000 | 44.23 | 14.46 | 58.69 | 74.00 | -15.31 | 150 | 177 | Peak |

## 802.11ac VHT80 Mode:

**5775 MHz**

**Horizontal**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1595.000 | 32.95 | -14.63 | 18.32 | 54.00 | -35.68 | 150 | 13 | Average |
| 1595.000 | 49.18 | -14.63 | 34.55 | 74.00 | -39.45 | 150 | 13 | Peak |
| 11550.000 | 29.85 | 8.16 | 38.01 | 54.00 | -15.99 | 157 | 234 | Average |
| 11550.000 | 39.65 | 8.16 | 47.81 | 74.00 | -26.19 | 157 | 234 | Peak |
| 17325.000 | 41.56 | 12.48 | 54.04 | 68.20 | -14.16 | 149 | 188 | Peak |
| 17779.000 | 32.92 | 13.65 | 46.57 | 54.00 | -7.43 | 150 | 336 | Average |
| 17779.000 | 44.57 | 13.65 | 58.22 | 74.00 | -15.78 | 150 | 336 | Peak |

**Vertical**

| Freq. | Reading | Factor | Level | Limit | Margin | Height | Degree | Remark |
|---|---|---|---|---|---|---|---|---|
| MHz | dBuV | dB/m | dBuV/m | dBuV/m | dB | (cm) | (°) | |
| 1816.000 | 49.61 | -13.44 | 36.17 | 68.20 | -32.03 | 150 | 56 | Peak |
| 1986.000 | 51.11 | -11.54 | 39.57 | 68.20 | -28.63 | 150 | 105 | Peak |
| 2122.000 | 50.02 | -11.99 | 38.03 | 68.20 | -30.17 | 150 | 126 | Peak |
| 2649.000 | 48.63 | -9.26 | 39.37 | 68.20 | -28.83 | 150 | 201 | Peak |
| 11550.000 | 29.30 | 8.16 | 37.46 | 54.00 | -16.54 | 142 | 37 | Average |
| 11550.000 | 41.33 | 8.16 | 49.49 | 74.00 | -24.51 | 142 | 37 | Peak |
| 15773.000 | 33.27 | 9.36 | 42.63 | 54.00 | -11.37 | 150 | 311 | Average |
| 15773.000 | 45.26 | 9.36 | 54.62 | 74.00 | -19.38 | 150 | 311 | Peak |
| 17325.000 | 41.54 | 12.48 | 54.02 | 68.20 | -14.18 | 149 | 269 | Peak |
| 17830.000 | 32.42 | 13.90 | 46.32 | 54.00 | -7.68 | 150 | 9 | Average |
| 17830.000 | 44.00 | 13.90 | 57.90 | 74.00 | -16.10 | 150 | 9 | Peak |

Level = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

# 8 RSS-247 §6.2.1.2 – 26dB Attenuated Below The Channel Power

## 8.1 Applicable Standard

RSS-247 Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

## 8.2 Test Procedure

1. Set RBW = 1%~5% of the emission bandwidth.
2. Set the VBW > RBW.
3. Detector = RMS.
4. Trace mode = max hold
5. Measure the emission attenuated below the channel power

## 8.3 Test Results

The requirement is for 5150-5250 MHz band. The channel power please refer to the power test result in section 10.3.

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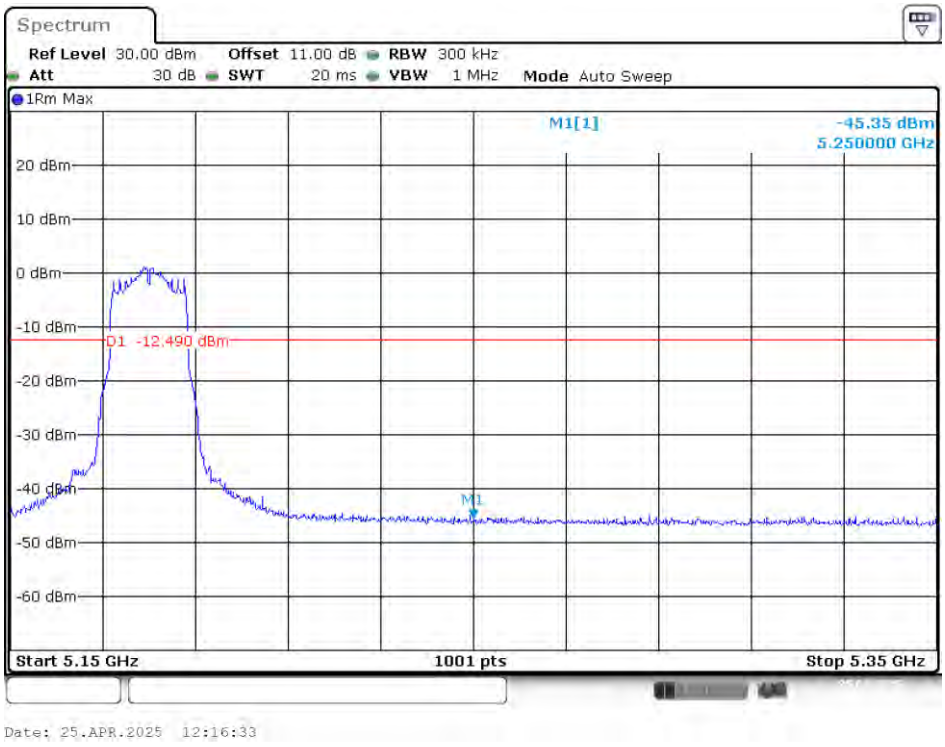
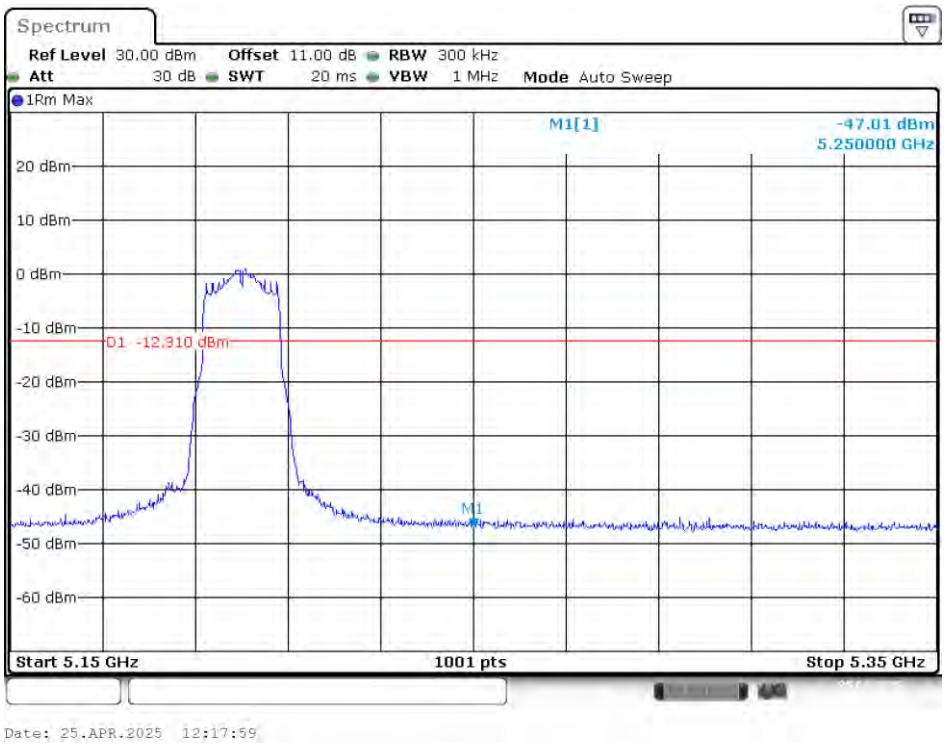
Transmitting Mode:

## IEEE 802.11a Mode / 5150 ~ 5250MHz

### 5180MHz




### 5200MHz

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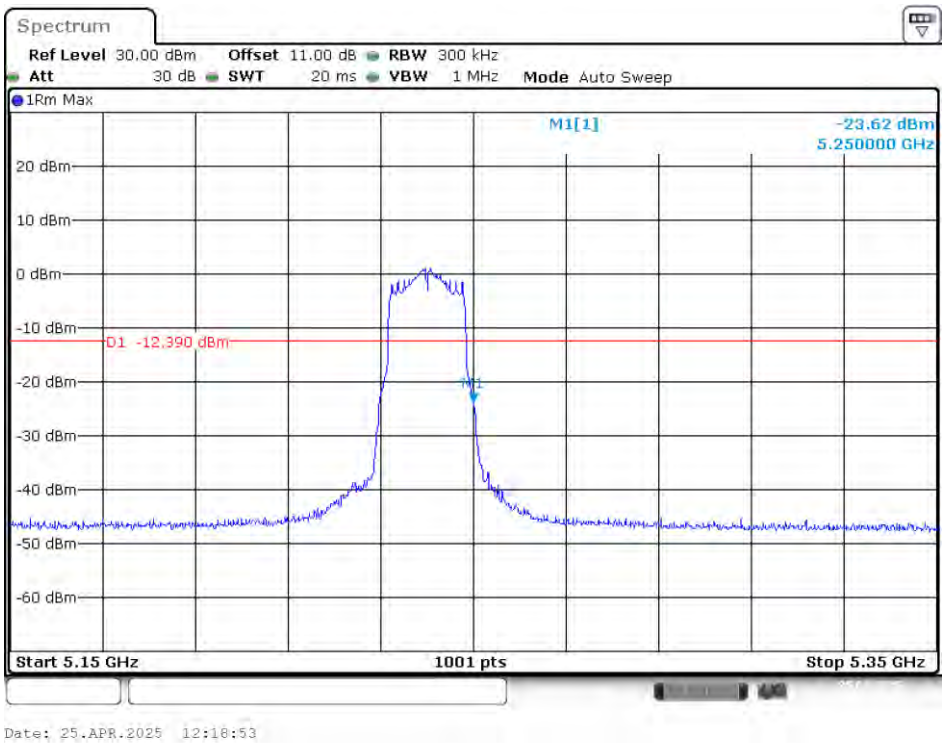
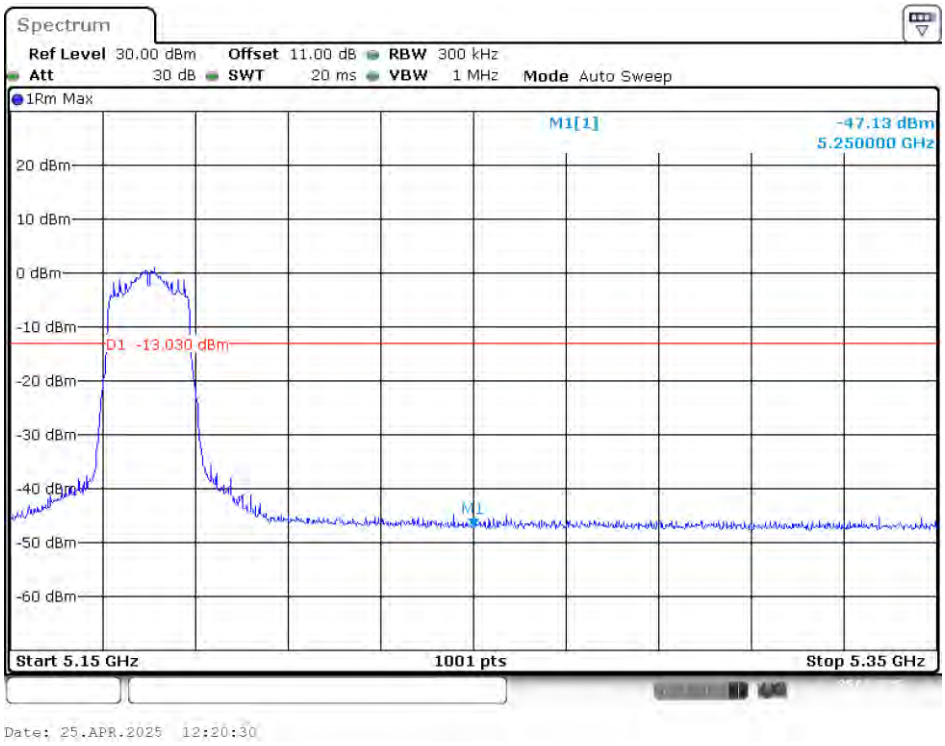
**5240MHz**




## IEEE 802.11ac VHT20 Mode / 5150 ~ 5250MHz

**5180MHz**

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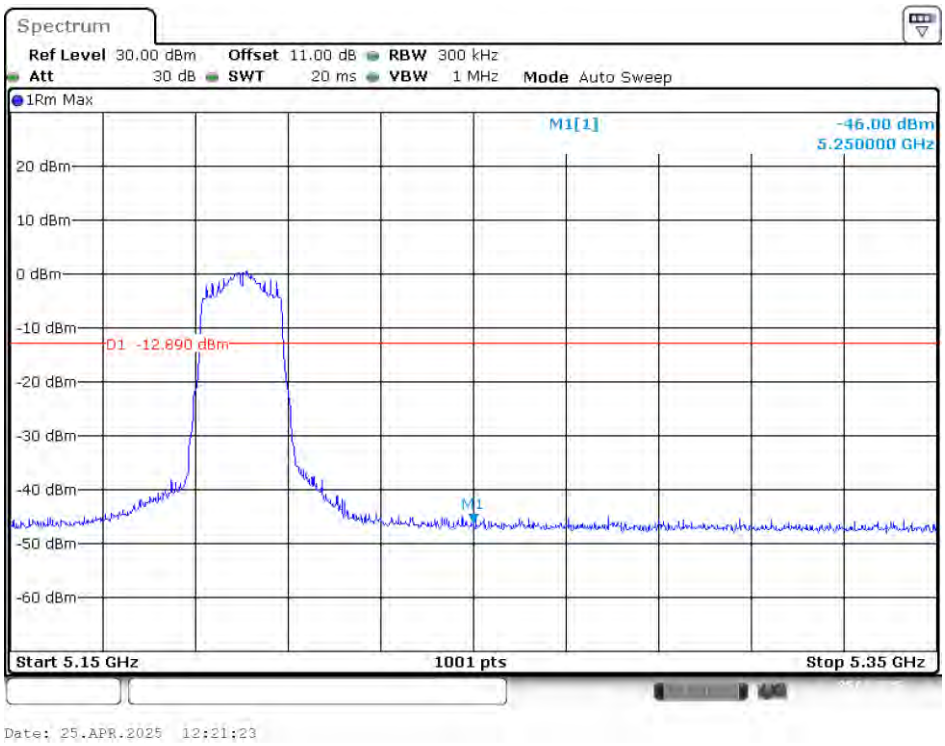
## 5200MHz

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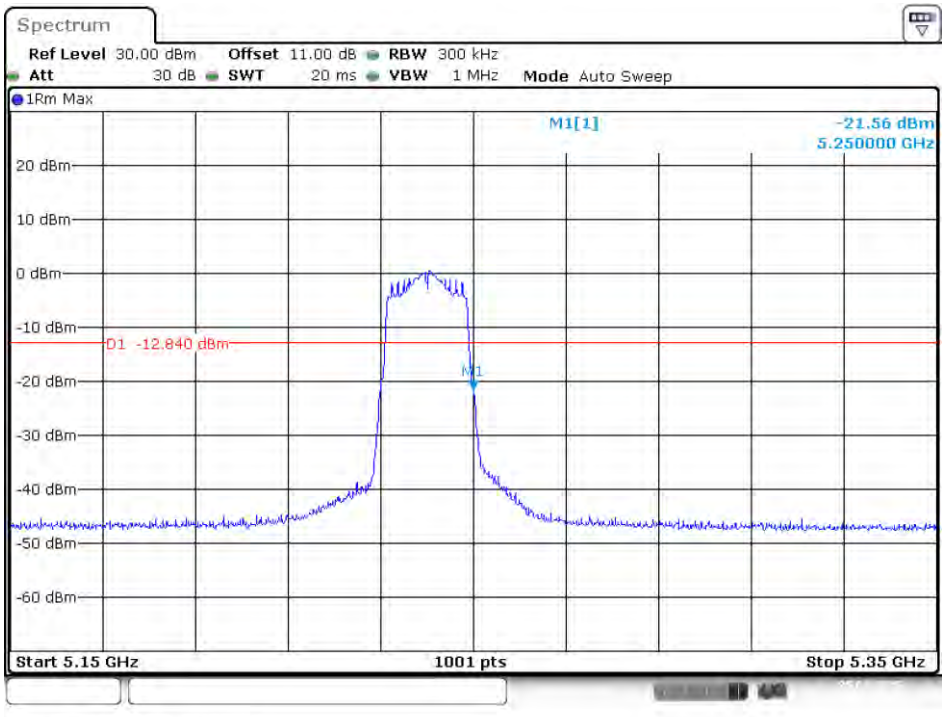
## 5240MHz

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