

Project No.: TM-2305000172P
Report No.: TMWK2307002175KR

FCC ID: 2AKZA-IW416
IC: 22364-IW416

Page: 1 / 174
Rev.: 00

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART E

INDUSTRY CANADA RSS-247

| | |
|--------------------------|---|
| Test Standard | FCC Part 15.407 RSS-247 issue 2 and RSS-GEN issue 5 |
| Product name | WiFi+Bluetooth 5.2 System on Module |
| Brand Name | TechNexion |
| Model No. | PIXI-IW416 |
| Test Result | Pass |
| Statements of Conformity | Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty. |

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc.(Wugu Laboratory)

Approved by:



Shawn Wu
Supervisor

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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

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Report No.: TMWK2307002175KR

Page: 2 / 174

Rev.: 00

Revision History

| Rev. | Issue Date | Revisions | Effect Page | Revised By |
|------|----------------|---------------|-------------|--------------|
| 00 | August 7, 2023 | Initial Issue | ALL | Allison Chen |

Table of contents

| | | |
|------------|---|------------|
| 1. | GENERAL INFORMATION | 4 |
| 1.1 | EUT INFORMATION..... | 4 |
| 1.2 | EUT CHANNEL INFORMATION | 5 |
| 1.3 | ANTENNA INFORMATION | 6 |
| 1.4 | MEASUREMENT UNCERTAINTY | 7 |
| 1.5 | FACILITIES AND TEST LOCATION | 8 |
| 1.6 | INSTRUMENT CALIBRATION..... | 8 |
| 1.7 | SUPPORT AND EUT ACCESSORIES EQUIPMENT..... | 10 |
| 1.8 | TEST METHODOLOGY AND APPLIED STANDARDS..... | 10 |
| 2. | TEST SUMMARY | 11 |
| 3. | DESCRIPTION OF TEST MODES | 12 |
| 3.1 | THE EUT CHANNEL NUMBER OF OPERATING CONDITION | 12 |
| 3.2 | THE WORST MODE OF MEASUREMENT | 13 |
| 3.3 | EUT DUTY CYCLE | 14 |
| 4. | TEST RESULT..... | 15 |
| 4.1 | AC POWER LINE CONDUCTED EMISSION..... | 15 |
| 4.2 | 26DB BANDWIDTH, 6DB BANDWIDTH AND OCCUPIED BANDWIDTH(99%)..... | 20 |
| 4.3 | OUTPUT POWER MEASUREMENT..... | 36 |
| 4.4 | POWER SPECTRAL DENSITY | 40 |
| 4.5 | RADIATION BANDEDGE AND SPURIOUS EMISSION..... | 50 |
| | APPENDIX-A TEST PHOTO..... | A-1 |
| | APPENDIX 1 - PHOTOGRAPHS OF EUT | |

1. GENERAL INFORMATION

1.1 EUT INFORMATION

| | |
|--------------------------|---|
| Applicant | TechNexion Ltd. 16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511, New Taipei City, Taiwan |
| Manufacturer | TechNexion Ltd. 16F-5, No. 736, Zhongzheng Road, ZhongHe District, 23511, New Taipei City, Taiwan |
| Equipment | WiFi+Bluetooth 5.2 System on Module |
| Model No. | PIXI-IW416 |
| Model Discrepancy | N/A |
| Trade Name | TechNexion |
| Received Date | May 16, 2023 |
| Date of Test | May 19 ~ June 29, 2023 |
| Power Supply | Power from host system. (DC 3.3V) |
| HW Version | A1 |
| SW Version | 1.0 |

Remark:

1. For more details, please refer to the User's manual of the EUT.
2. Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

| | | |
|-----------------|--|-----------------|
| Frequency Range | UNII-1 | |
| | IEEE 802.11a | 5180 ~ 5240 MHz |
| | IEEE 802.11n HT20 | 5180 ~ 5240 MHz |
| | IEEE 802.11n HT40 | 5190 ~ 5230 MHz |
| | UNII-3 | |
| | IEEE 802.11a | 5745 ~ 5825 MHz |
| | IEEE 802.11n HT20 | 5745 ~ 5825 MHz |
| | IEEE 802.11n HT40 | 5755 ~ 5795 MHz |
| Modulation Type | 1. IEEE 802.11a mode: OFDM 2. IEEE 802.11n HT20 mode: OFDM 3. IEEE 802.11n HT40 mode: OFDM | |

Remark:

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 for test channels

| Number of frequencies to be tested | | |
|--|-----------------------|--|
| Frequency range in which device operates | Number of frequencies | Location in frequency range of operation |
| <input type="checkbox"/> 1 MHz or less | 1 | Middle |
| <input type="checkbox"/> 1 MHz to 10 MHz | 2 | 1 near top and 1 near bottom |
| <input checked="" type="checkbox"/> More than 10 MHz | 3 | 1 near top, 1 near middle, and 1 near bottom |

1.3 ANTENNA INFORMATION

| | |
|--------------------------|---|
| Antenna Type | <input type="checkbox"/> PCB <input checked="" type="checkbox"/> PIFA <input checked="" type="checkbox"/> Dipole <input type="checkbox"/> Coils |
| Antenna Gain | 1. PIFA Antenna Gain: 3 dBi 2. Dipole Antenna Gain: 6 dBi |
| Brand / Model | 1. PIFA Antenna: TechNexion / VM2450-25523-OOX-180 2. Dipole Antenna: TechNexion / VM2450-ASSY1005 |
| Antenna connector | MHF |

Notes:

1. The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203 and RSS-Gen §6.8.

1.4 MEASUREMENT UNCERTAINTY

| PARAMETER | UNCERTAINTY |
|---------------------------------|----------------|
| AC Powerline Conducted Emission | ± 2.213 dB |
| Channel Bandwidth | ± 2.7 % |
| RF output power (Spectrum) | ± 2.440 dB |
| Power Spectral density | ± 2.739 dB |
| AC Powerline Conducted Emission | ± 2.213 dB |
| Radiated Emission_9kHz-30MHz | ± 3.115 dB |
| Radiated Emission_30MHz-200MHz | ± 4.071 dB |
| Radiated Emission_200MHz-1GHz | ± 4.419 dB |
| Radiated Emission_1GHz-6GHz | ± 5.023 dB |
| Radiated Emission_6GHz-18GHz | ± 5.068 dB |
| Radiated Emission_18GHz-26GHz | ± 3.349 dB |
| Radiated Emission_26GHz-40GHz | ± 3.229 dB |

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

AC Powerline Conducted Emission and Conducted:

☒ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

Radiated emission 9kHz to 40GHz:

☐ No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan.

☒ No. 12, Ln. 116, Wugong 3rd Rd., Wugu Dist., New Taipei City, Taiwan 24803

CAB identifier: TW1309

| Test site | Test Engineer | Remark |
|--------------------|---------------|--------|
| AC Conduction Room | Tony Chao | - |
| Radiation | Czerny Lin | - |
| RF Conducted | David Li | - |

Remark: The lab has been recognized as the FCC accredited lab. under the KDB 974614 D01 and is listed in the FCC pubic Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309.

1.6 INSTRUMENT CALIBRATION

| RF Conducted Test Site | | | | | |
|------------------------|---|---------|---------------|------------|------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Cal Date | Cal Due |
| Power Sensor | Anritsu | MA2411B | 1911386 | 2022-08-08 | 2023-08-07 |
| Power Sensor | Anritsu | MA2411B | 1911387 | 2022-08-08 | 2023-08-07 |
| EXA Signal Analyzer | Keysight | N9010B | MY60242460 | 2023-02-20 | 2024-02-01 |
| Power Meter | Anritsu | ML2496A | 2136002 | 2022-11-24 | 2023-11-23 |
| Software | Radio Test Software Ver. 21 & E3-Ver: 6.11-20180413 | | | | |

Remark:

- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.

| 3M 966 Chamber Test Site (966D_Radiated) | | | | | |
|--|---------------|------------------------|--------------------------|------------|------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Cal Date | Cal Due |
| Antenna | SHWARZBECK | VULB 9168 | 1277 | 2023-01-13 | 2024-01-12 |
| Pre-Amplifier | EMCI | EMC118A45SE | 980820 | 2022-12-23 | 2023-12-22 |
| Pre-Amplifier | EMCI | EMC330N | 980853 | 2022-12-23 | 2023-12-22 |
| Coaxial Cable | EMC | EMC101G-KM-K M-9000 | 220407+211228+ 230205 | 2023-03-21 | 2024-03-20 |
| Signal Generator | Agilent | N9010A | MY52220817 | 2023-03-09 | 2024-03-08 |
| Coaxial Cable | EMC | EMCCFD400 | 211212+211222+ 211020 | 2023-03-21 | 2024-03-20 |
| High Pass Filter | TITAN | T04H300018000 70S01 | 211215-7-1 | 2023-02-02 | 2024-02-01 |
| Thermo-Hygro Meter | EDSDS | EDS-A49 | 966D1 | 2023-05-11 | 2024-05-10 |
| Pre-Amplifier | EMCI | EMC184045SE | 980872 | 2023-01-03 | 2024-01-02 |
| Horn Antenna | RF SPIN | DRH18-E | 210301A18ES | 2023-02-03 | 2024-02-02 |
| Horn Antenna | SHWARZBECK | BBHA 9170 | 1134 | 2022-12-30 | 2023-12-29 |
| Loop Antenna | SCHWARZBECK | FMZB 1513-60 | 1513-60-028 | 2022-12-27 | 2023-12-26 |
| Software | e3 V9-210616c | | | | |

| AC Conducted Emissions Test Site | | | | | |
|----------------------------------|-------------------------|-----------|---------------|------------|------------|
| Name of Equipment | Manufacturer | Model | Serial Number | Cal Date | Cal Due |
| EMI Test Receiver | R&S | ESCI | 100064 | 2023-06-07 | 2024-06-06 |
| Cable | EMCI | CFD300-NL | CERF | 2023-06-26 | 2024-06-25 |
| LISN | TESEQ | LN2-16N | 22012 | 2023-03-08 | 2024-03-07 |
| Software | EZ-EMC(CCS-3A1-CE-wugu) | | | | |

Remark:

- Each piece of equipment is scheduled for calibration once a year.
- N.C.R. = No Calibration Required.

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

| EUT Accessories Equipment | | | | | | |
|---------------------------|-----------|-------|-------|------------|--------|----|
| No. | Equipment | Brand | Model | Series No. | FCC ID | IC |
| | N/A | | | | | |
| | | | | | | |

| Support Equipment | | | | | | |
|-------------------|-----------|--------|-------|------------|--------|-----|
| No. | Equipment | Brand | Model | Series No. | FCC ID | IC |
| 1 | NB(E) | Lenovo | T460 | N/A | N/A | N/A |
| | N/A | | | | | |

1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.407, KDB 789033 D02, RSS-247 Issue 2 and RSS-GEN Issue 5.

2. TEST SUMMARY

| FCC Standard Section | IC Standard Section | Report Section | Test Item | Result |
|----------------------|--------------------------------------|----------------|-----------------------------|--------|
| 15.203 | RSS-Gen (6.8) | 1.3 | Antenna Requirement | Pass |
| 15.207 | RSS-Gen (8.8) | 4.1 | AC Conducted Emission | Pass |
| 15.407(a) | - | 4.2 | 26dB Bandwidth | Pass |
| 15.407(e) | RSS-247(6.2.4.1) | 4.2 | 6dB Bandwidth | Pass |
| 2.1049 | RSS-Gen (6.7) | 4.2 | Occupied Bandwidth (99%) | Pass |
| 15.407(a) | RSS-247(6.2.1.1) RSS-247(6.2.4.1) | 4.3 | Output Power Measurement | Pass |
| 15.407(a) | RSS-247(6.2.1.1) RSS-247(6.2.4.1) | 4.4 | Power Spectral Density | Pass |
| 15.407(b) | RSS-247(6.2.1.2) RSS-247(6.2.4.2) | 4.5 | Radiation Band Edge | Pass |
| 15.407(b) | RSS-247(6.2.1.2) RSS-247(6.2.4.2) | 4.5 | Radiation Spurious Emission | Pass |

3. DESCRIPTION OF TEST MODES

3.1 THE EUT CHANNEL NUMBER OF OPERATING CONDITION

| Operation mode | 1. IEEE 802.11a mode: 6Mbps 2. IEEE 802.11n HT20 mode: MCS0 3. IEEE 802.11n HT40 mode: MCS0 | | | | | | | | | | | | | | | | | |
|---------------------|--|-----------------------|------|-----------------------|---------|--------------|------------------|-------------------|------------------|-------------------|------------|---------|--------------|------------------|-------------------|------------------|-------------------|------------|
| Operating Frequency | <table><tr><th></th><th>Mode</th><th>Frequency Range (MHz)</th></tr><tr><td rowspan="3">U-NII-1</td><td>IEEE 802.11a</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11n HT20</td><td>5180, 5220, 5240</td></tr><tr><td>IEEE 802.11n HT40</td><td>5190, 5230</td></tr><tr><td rowspan="3">U-NII-3</td><td>IEEE 802.11a</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11n HT20</td><td>5745, 5785, 5825</td></tr><tr><td>IEEE 802.11n HT40</td><td>5755, 5795</td></tr></table> | | Mode | Frequency Range (MHz) | U-NII-1 | IEEE 802.11a | 5180, 5220, 5240 | IEEE 802.11n HT20 | 5180, 5220, 5240 | IEEE 802.11n HT40 | 5190, 5230 | U-NII-3 | IEEE 802.11a | 5745, 5785, 5825 | IEEE 802.11n HT20 | 5745, 5785, 5825 | IEEE 802.11n HT40 | 5755, 5795 |
| | Mode | Frequency Range (MHz) | | | | | | | | | | | | | | | | |
| U-NII-1 | IEEE 802.11a | 5180, 5220, 5240 | | | | | | | | | | | | | | | | |
| | IEEE 802.11n HT20 | 5180, 5220, 5240 | | | | | | | | | | | | | | | | |
| | IEEE 802.11n HT40 | 5190, 5230 | | | | | | | | | | | | | | | | |
| U-NII-3 | IEEE 802.11a | 5745, 5785, 5825 | | | | | | | | | | | | | | | | |
| | IEEE 802.11n HT20 | 5745, 5785, 5825 | | | | | | | | | | | | | | | | |
| | IEEE 802.11n HT40 | 5755, 5795 | | | | | | | | | | | | | | | | |

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

3.2 THE WORST MODE OF MEASUREMENT

| AC Power Line Conducted Emission | |
|----------------------------------|---|
| Test Condition | AC Power line conducted emission for line and neutral |
| Power supply Mode | Mode 1: EUT power by NB. (Dipole Antenna) Mode 2: EUT power by NB. (PIFA Antenna) |
| Worst Mode | <input checked="" type="checkbox"/> Mode 1 <input checked="" type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4 |

| Radiated Emission Measurement Above 1G | |
|--|---|
| Test Condition | Radiated Emission Above 1G |
| Power supply Mode | Mode 1: EUT power by System. (Dipole Antenna) Mode 2: EUT power by System. (PIFA Antenna) |
| Worst Mode | <input checked="" type="checkbox"/> Mode 1 <input checked="" type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4 |
| Worst Position | <input type="checkbox"/> Placed in fixed position. <input type="checkbox"/> Placed in fixed position at X-Plane (E2-Plane) <input type="checkbox"/> Placed in fixed position at Y-Plane (E1-Plane) <input checked="" type="checkbox"/> Placed in fixed position at Z-Plane (H-Plane) |

| Radiated Emission Measurement Below 1G | |
|--|---|
| Test Condition | Radiated Emission Below 1G |
| Power supply Mode | Mode 1: EUT power by System. (Dipole Antenna) Mode 2: EUT power by System. (PIFA Antenna) |
| Worst Mode | <input checked="" type="checkbox"/> Mode 1 <input checked="" type="checkbox"/> Mode 2 <input type="checkbox"/> Mode 3 <input type="checkbox"/> Mode 4 |

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Z-Plane) were recorded in this report
3. AC power line conducted emission and for below 1G radiation emission were performed the EUT transmit at the highest output power channel as worse case.

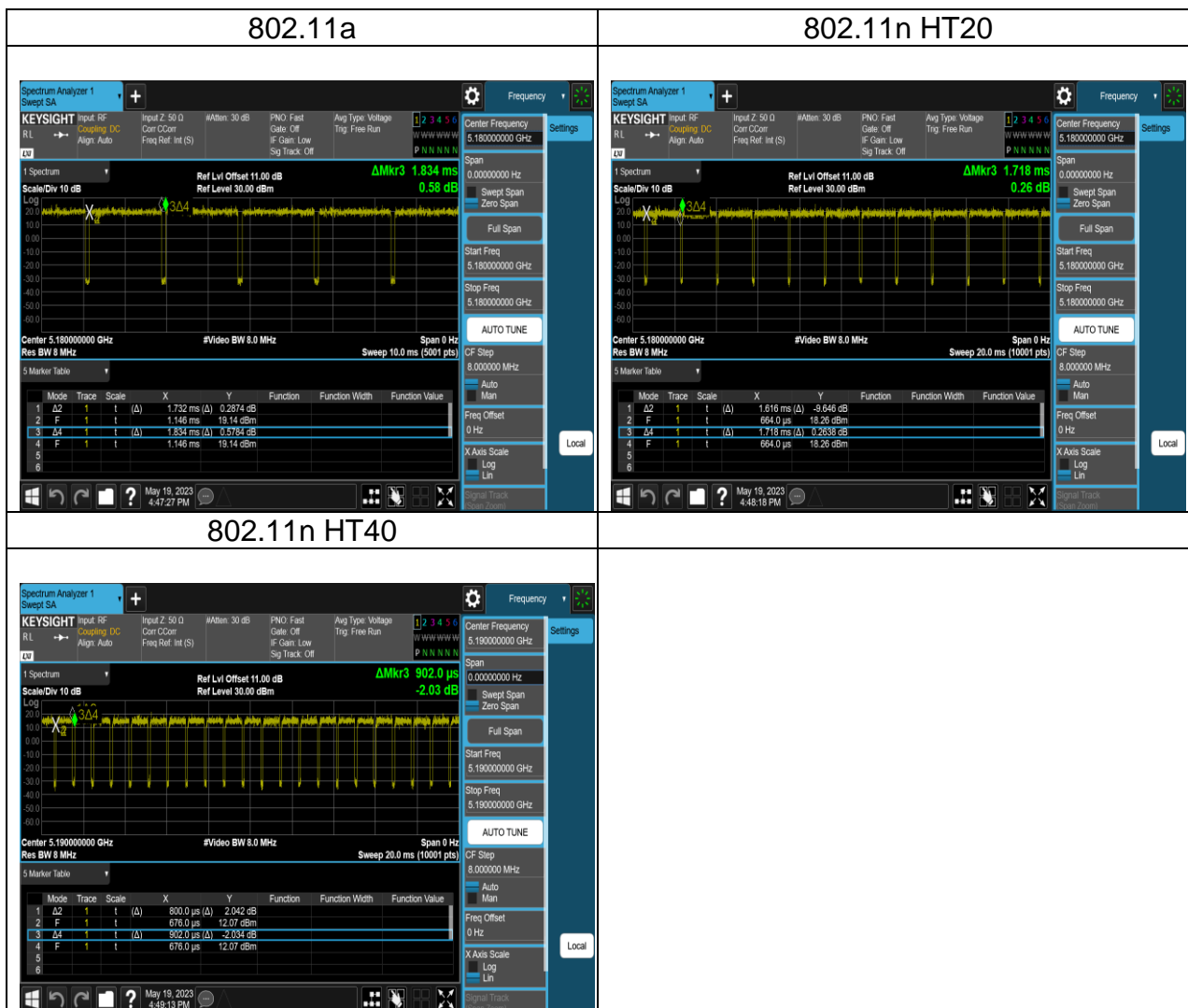
Report No.: TMWK2307002175KR

3.3 EUT DUTY CYCLE

Temperature: 22.8~27.1°C
Humidity: 50~64% RH

Test date: May 19~June 19, 2023
Tested by: David Li

| Duty Cycle | | | | |
|---------------|----------------|--|-----------|-------------------|
| Configuration | Duty Cycle (%) | Duty Factor (dB) =10*log (1/Duty Cycle) | 1/T (kHz) | VBW setting (kHz) |
| 802.11a | 94.44 | 0.25 | 0.58 | 1.00 |
| 802.11n_20 | 94.06 | 0.27 | 0.62 | 1.00 |
| 802.11n_40 | 88.69 | 0.52 | 1.25 | 2.00 |



4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a)(2), RSS-GEN section 8.8,

| Frequency Range (MHz) | Limits(dBμV) | |
|--------------------------|--------------|-----------|
| | Quasi-peak | Average |
| 0.15 to 0.50 | 66 to 56* | 56 to 46* |
| 0.50 to 5 | 56 | 46 |
| 5 to 30 | 60 | 50 |

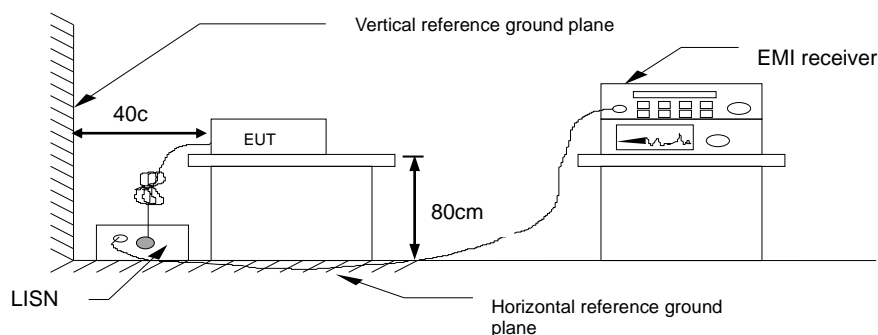
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup

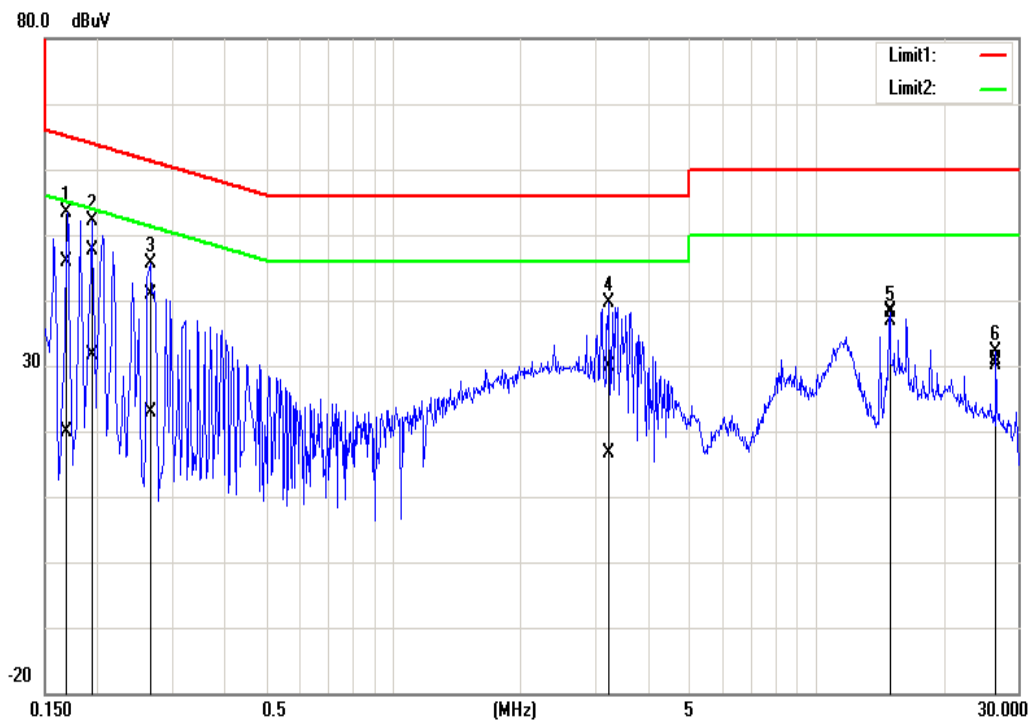


4.1.4 Test Result

Pass.

Test Data

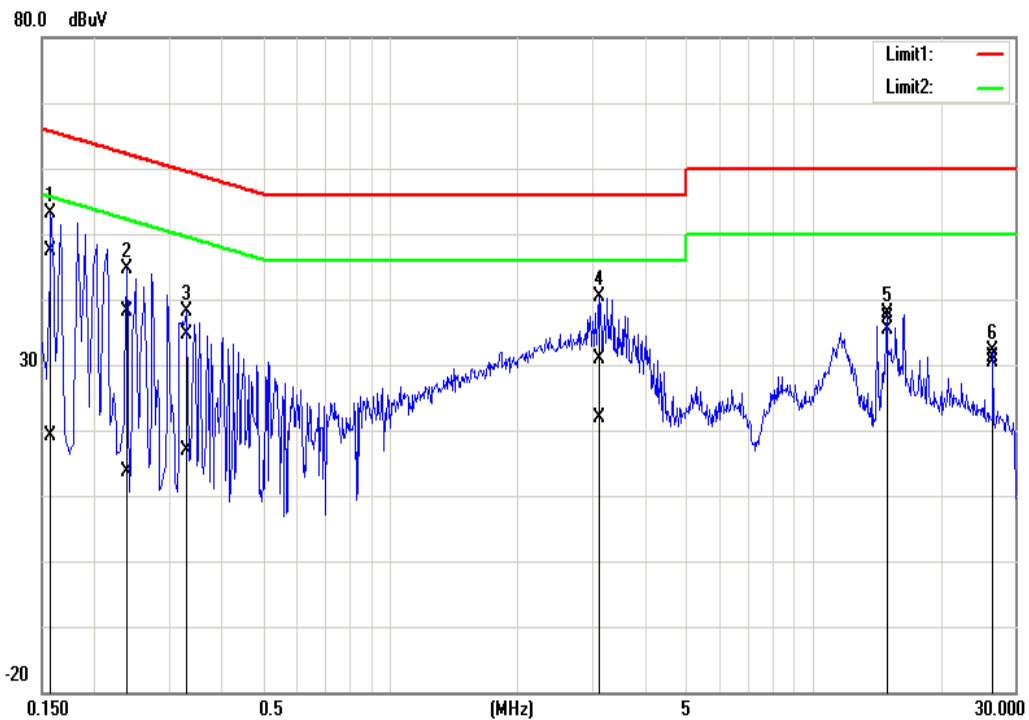
| | | | |
|---------------|--------------|---------------|-----------------|
| Test Mode: | Mode 1 | Temp/Hum | 24.3(°C)/ 61%RH |
| Phase: | Line | Test Date | June 27, 2023 |
| Test Voltage: | 120Vac, 60Hz | Test Engineer | Tony Chao |



| Frequency (MHz) | Quasi Peak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | Quasi Peak result (dBuV) | Average result (dBuV) | Quasi Peak limit (dBuV) | Average limit (dBuV) | Quasi Peak margin (dB) | Average margin (dB) | Remark |
|-----------------|---------------------------|------------------------|------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|---------------------|--------|
| 0.1700 | 45.71 | 19.67 | 0.15 | 45.86 | 19.82 | 64.96 | 54.96 | -19.10 | -35.14 | Pass |
| 0.1940 | 47.54 | 31.37 | 0.15 | 47.69 | 31.52 | 63.86 | 53.86 | -16.17 | -22.34 | Pass |
| 0.2660 | 40.74 | 22.72 | 0.15 | 40.89 | 22.87 | 61.24 | 51.24 | -20.35 | -28.37 | Pass |
| 3.2260 | 29.76 | 16.47 | 0.24 | 30.00 | 16.71 | 56.00 | 46.00 | -26.00 | -29.29 | Pass |
| 14.9100 | 38.04 | 36.39 | 0.43 | 38.47 | 36.82 | 60.00 | 50.00 | -21.53 | -13.18 | Pass |
| 26.6220 | 30.20 | 29.56 | 0.61 | 30.81 | 30.17 | 60.00 | 50.00 | -29.19 | -19.83 | Pass |

Note: 1. Correction factor = LISN loss + Cable loss.

| | | | |
|---------------|--------------|---------------|-----------------|
| Test Mode: | Mode 1 | Temp/Hum | 24.3(°C)/ 61%RH |
| Phase: | Neutral | Test Date | June 27, 2023 |
| Test Voltage: | 120Vac, 60Hz | Test Engineer | Tony Chao |

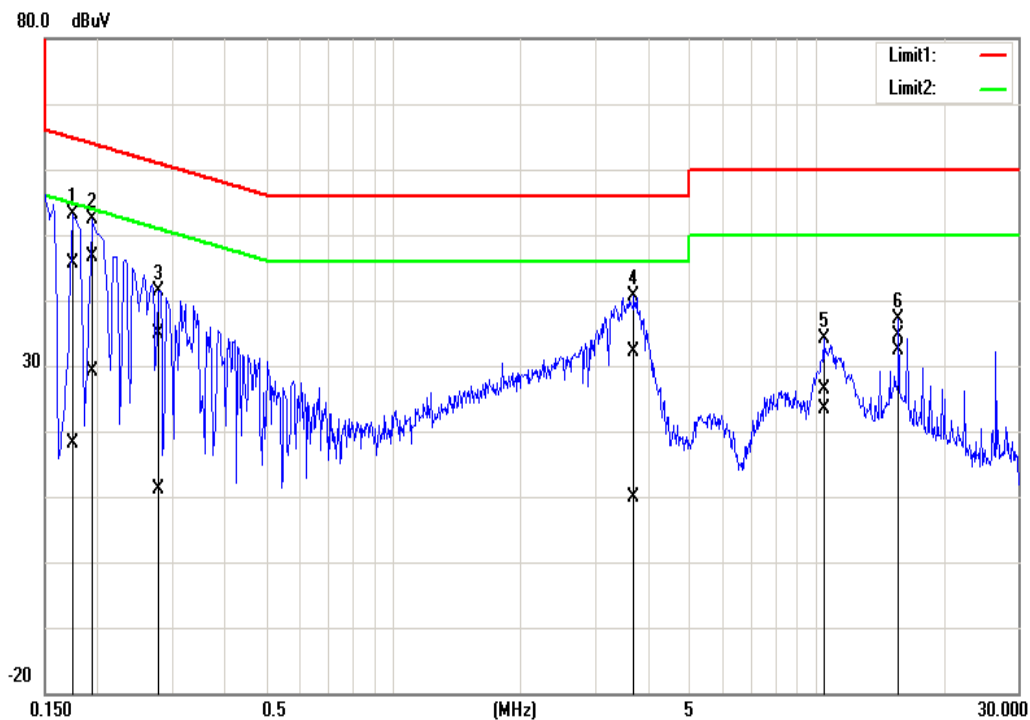


| Frequency (MHz) | Quasi Peak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | Quasi Peak result (dBuV) | Average result (dBuV) | Quasi Peak limit (dBuV) | Average limit (dBuV) | Quasi Peak margin (dB) | Average margin (dB) | Remark |
|-----------------|---------------------------|------------------------|------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|---------------------|--------|
| 0.1580 | 47.26 | 18.91 | 0.20 | 47.46 | 19.11 | 65.56 | 55.57 | -18.10 | -36.46 | Pass |
| 0.2380 | 38.03 | 13.45 | 0.19 | 38.22 | 13.64 | 62.16 | 52.17 | -23.94 | -38.53 | Pass |
| 0.3300 | 34.35 | 16.72 | 0.19 | 34.54 | 16.91 | 59.45 | 49.45 | -24.91 | -32.54 | Pass |
| 3.1180 | 30.65 | 21.54 | 0.29 | 30.94 | 21.83 | 56.00 | 46.00 | -25.06 | -24.17 | Pass |
| 14.9100 | 36.80 | 34.95 | 0.45 | 37.25 | 35.40 | 60.00 | 50.00 | -22.75 | -14.60 | Pass |
| 26.6220 | 30.47 | 29.81 | 0.58 | 31.05 | 30.39 | 60.00 | 50.00 | -28.95 | -19.61 | Pass |

Note: 1. Correction factor = LISN loss + Cable loss.

Test Data

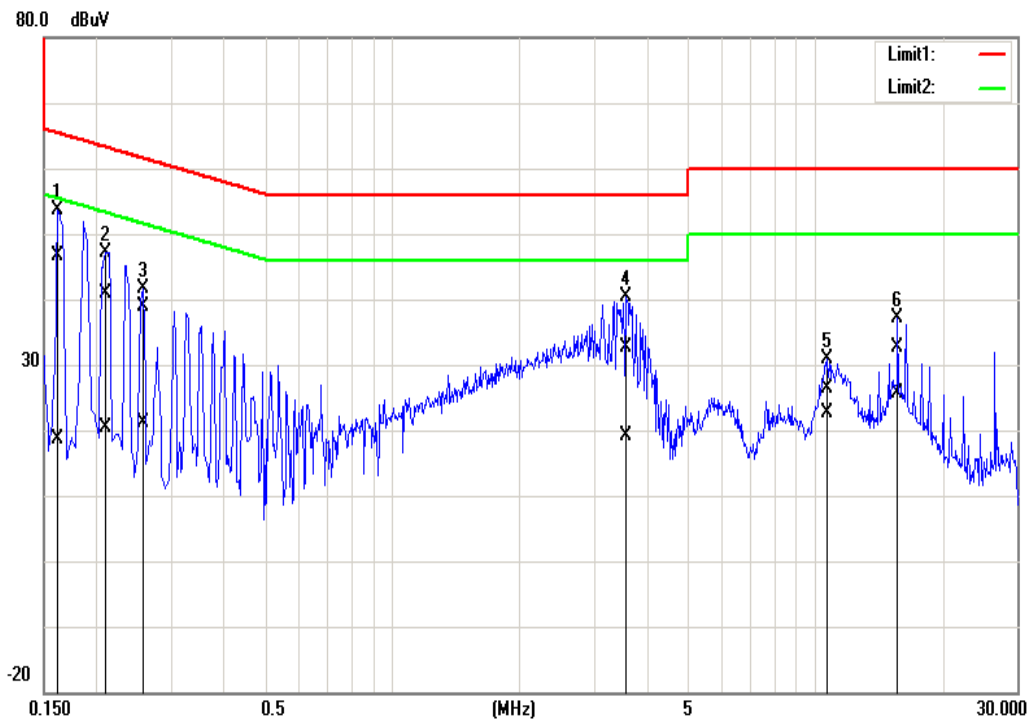
| | | | |
|---------------|--------------|---------------|-----------------|
| Test Mode: | Mode 2 | Temp/Hum | 24.3(°C)/ 61%RH |
| Phase: | Line | Test Date | June 27, 2023 |
| Test Voltage: | 120Vac, 60Hz | Test Engineer | Tony Chao |



| Frequency (MHz) | Quasi Peak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | Quasi Peak result (dBuV) | Average result (dBuV) | Quasi Peak limit (dBuV) | Average limit (dBuV) | Quasi Peak margin (dB) | Average margin (dB) | Remark |
|-----------------|---------------------------|------------------------|------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|---------------------|--------|
| 0.1740 | 45.39 | 17.97 | 0.15 | 45.54 | 18.12 | 64.77 | 54.77 | -19.23 | -36.65 | Pass |
| 0.1940 | 46.58 | 29.06 | 0.15 | 46.73 | 29.21 | 63.86 | 53.86 | -17.13 | -24.65 | Pass |
| 0.2803 | 34.64 | 10.88 | 0.15 | 34.79 | 11.03 | 60.81 | 50.81 | -26.02 | -39.78 | Pass |
| 3.7060 | 31.96 | 9.62 | 0.26 | 32.22 | 9.88 | 56.00 | 46.00 | -23.78 | -36.12 | Pass |
| 10.4180 | 25.90 | 22.91 | 0.36 | 26.26 | 23.27 | 60.00 | 50.00 | -33.74 | -26.73 | Pass |
| 15.6620 | 34.30 | 31.99 | 0.45 | 34.75 | 32.44 | 60.00 | 50.00 | -25.25 | -17.56 | Pass |

Note: 1. Correction factor = LISN loss + Cable loss.

| | | | |
|---------------|--------------|---------------|-----------------|
| Test Mode: | Mode 2 | Temp/Hum | 24.3(°C)/ 61%RH |
| Phase: | Neutral | Test Date | June 27, 2023 |
| Test Voltage: | 120Vac, 60Hz | Test Engineer | Tony Chao |



| Frequency (MHz) | Quasi Peak reading (dBuV) | Average reading (dBuV) | Correction factor (dB) | Quasi Peak result (dBuV) | Average result (dBuV) | Quasi Peak limit (dBuV) | Average limit (dBuV) | Quasi Peak margin (dB) | Average margin (dB) | Remark |
|-----------------|---------------------------|------------------------|------------------------|--------------------------|-----------------------|-------------------------|----------------------|------------------------|---------------------|--------|
| 0.1620 | 46.49 | 18.34 | 0.20 | 46.69 | 18.54 | 65.36 | 55.36 | -18.67 | -36.82 | Pass |
| 0.2100 | 40.76 | 20.23 | 0.19 | 40.95 | 20.42 | 63.21 | 53.21 | -22.26 | -32.79 | Pass |
| 0.2580 | 38.70 | 20.82 | 0.19 | 38.89 | 21.01 | 61.50 | 51.50 | -22.61 | -30.49 | Pass |
| 3.5820 | 32.28 | 18.92 | 0.30 | 32.58 | 19.22 | 56.00 | 46.00 | -23.42 | -26.78 | Pass |
| 10.7060 | 25.95 | 22.12 | 0.40 | 26.35 | 22.52 | 60.00 | 50.00 | -33.65 | -27.48 | Pass |
| 15.6660 | 32.17 | 25.08 | 0.47 | 32.64 | 25.55 | 60.00 | 50.00 | -27.36 | -24.45 | Pass |

Note: 1. Correction factor = LISN loss + Cable loss.

4.2 26dB BANDWIDTH, 6dB BANDWIDTH AND OCCUPIED BANDWIDTH(99%)

4.2.1 Test Limit

26 dB Bandwidth : For reporting purposes only.

6 dB Bandwidth : Least 500kHz.

Occupied Bandwidth(99%) : For reporting purposes only.

4.2.2 Test Procedure

26dB

1. This measurement setting are specified in section D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW: approximately 1% of the emission bandwidth.
3. Set the VBW>RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26dB down from the peak of the emission. Compare this with the RBW setting of the analyser. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6dB

1. This measurement setting are specified in section D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = 100 kHz.
3. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

99%

1. This measurement setting are specified in section D of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set center frequency to the nominal EUT channel center frequency.
3. Set span = 1.5 times to 5.0 times the OBW.
4. Set RBW = 1 % to 5% of the OBW.
5. Set VBW \geq 3 xRBW

4.2.3 Test Setup

4.2.4 Test Result

Temperature: 22.8~27.1°C

Test date: May 19~June 19, 2023

Humidity: 50~64% RH

Tested by: David Li

UNII-1 5150-5250 MHz

Test mode: IEEE 802.11a mode

| Channel | Frequency (MHz) | OBW(99%) (MHz) | 26dB BW (MHz) |
|---------|-----------------|----------------|---------------|
| 36 | 5180 | 16.603 | 19.38 |
| 44 | 5220 | 16.574 | 19.23 |
| 48 | 5240 | 16.624 | 19.22 |

Test mode: IEEE 802.11n HT20 mode

| Channel | Frequency (MHz) | OBW(99%) (MHz) | 26dB BW (MHz) |
|---------|-----------------|----------------|---------------|
| 36 | 5180 | 17.648 | 19.86 |
| 44 | 5220 | 17.625 | 19.96 |
| 48 | 5240 | 16.575 | 19.53 |

Test mode: IEEE 802.11n HT40 mode

| Channel | Frequency (MHz) | OBW(99%) (MHz) | 26dB BW (MHz) |
|---------|-----------------|----------------|---------------|
| 38 | 5190 | 36.154 | 40.53 |
| 46 | 5230 | 36.125 | 40.24 |

UNII-3 5750-5825 MHz

Test mode: IEEE 802.11a mode

| Channel | Frequency (MHz) | OBW(99%) (MHz) | 6dB BW (MHz) Limit: > 500 KHz |
|---------|-----------------|----------------|----------------------------------|
| 149 | 5745 | 16.574 | 16.41 |
| 157 | 5785 | 16.592 | 16.36 |
| 165 | 5825 | 16.574 | 16.44 |

Test mode: IEEE 802.11n HT20 mode

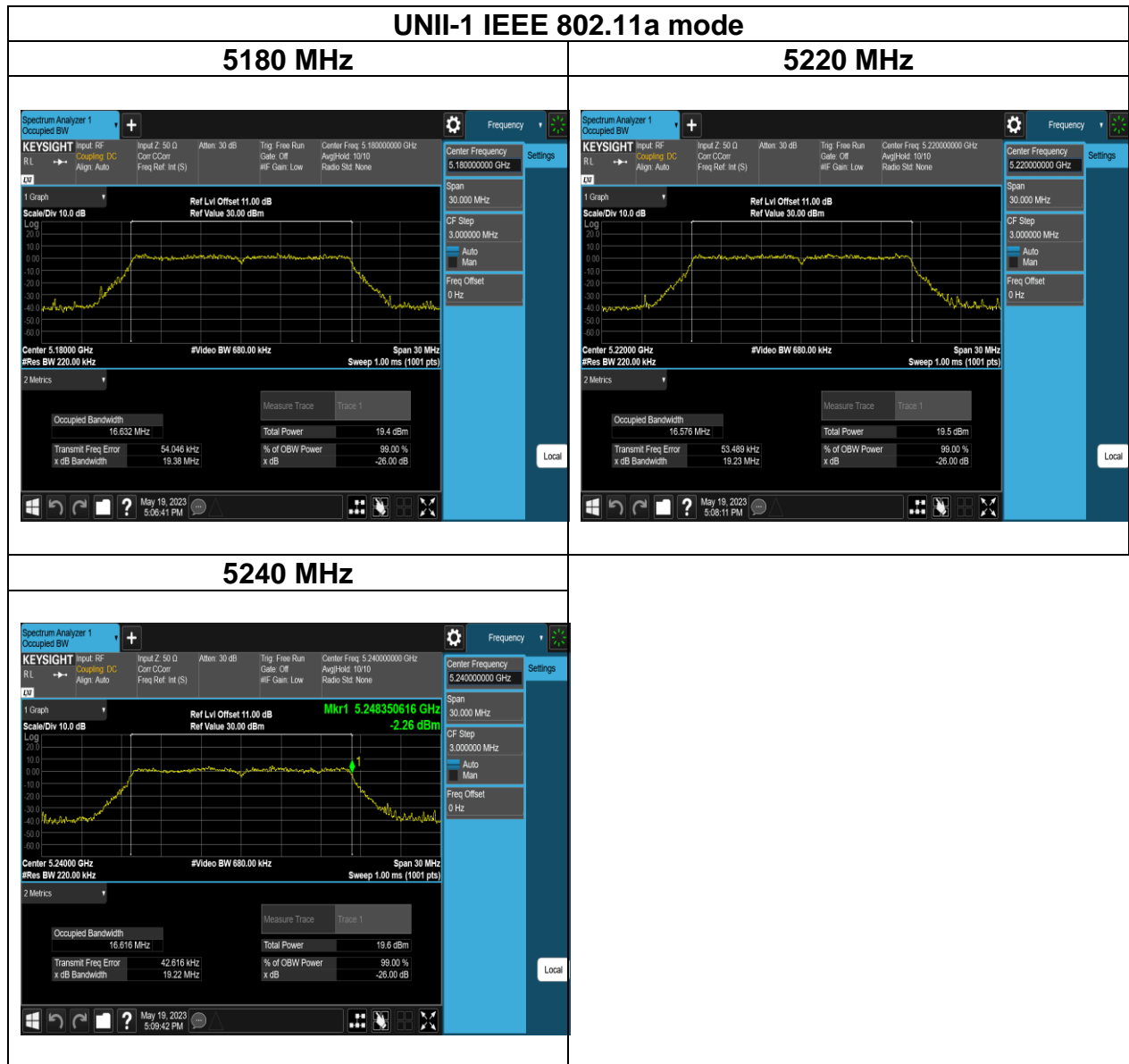
| Channel | Frequency (MHz) | OBW(99%) (MHz) | 6dB BW (MHz) Limit: > 500 KHz |
|---------|-----------------|----------------|----------------------------------|
| 149 | 5745 | 17.643 | 17.57 |
| 157 | 5785 | 17.643 | 17.59 |
| 165 | 5825 | 17.651 | 17.20 |

Test mode: IEEE 802.11n HT40 mode

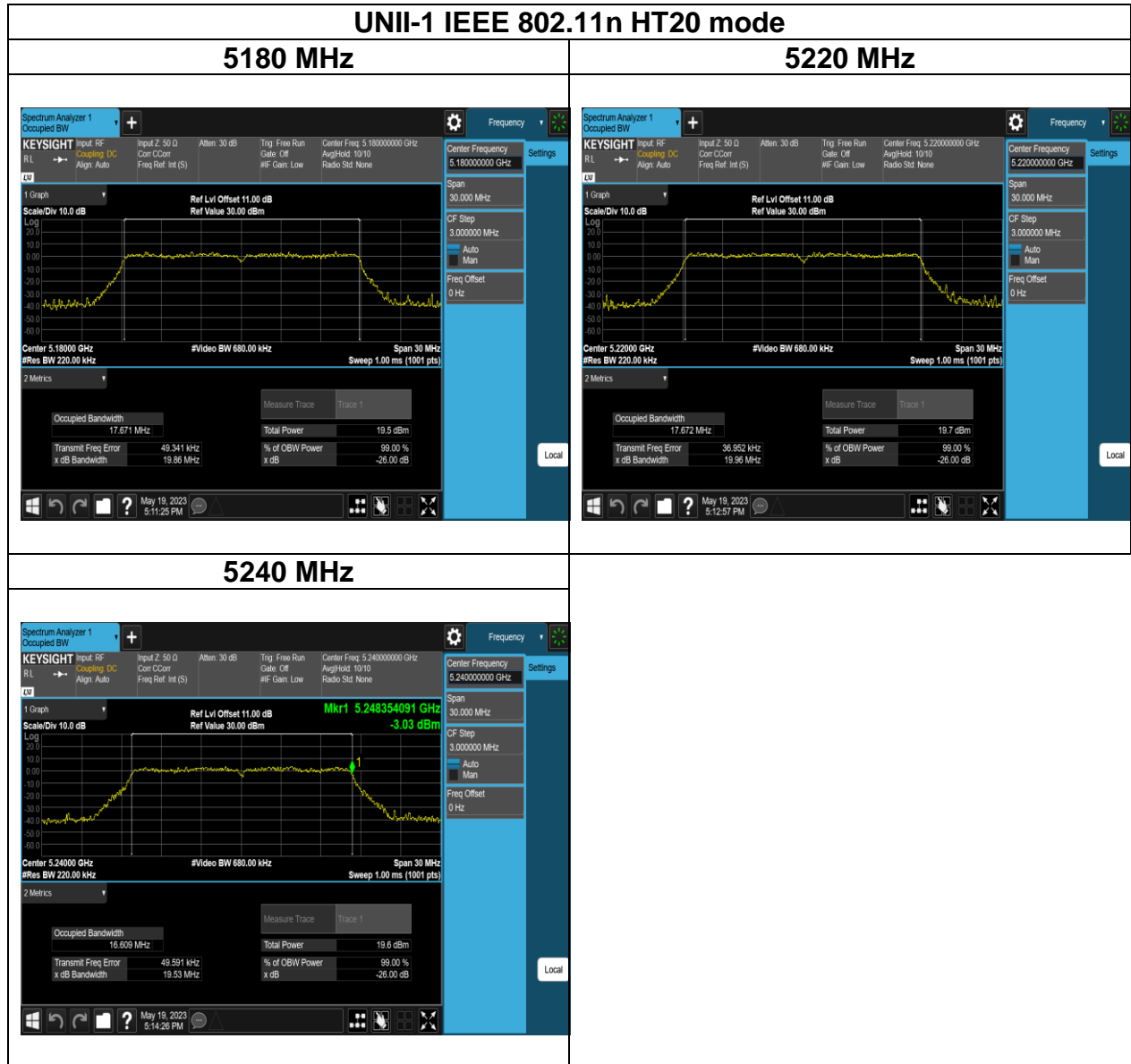
| Channel | Frequency (MHz) | OBW(99%) (MHz) | 6dB BW (MHz) Limit: > 500 KHz |
|---------|-----------------|----------------|----------------------------------|
| 151 | 5755 | 36.175 | 35.32 |
| 159 | 5795 | 36.210 | 35.37 |

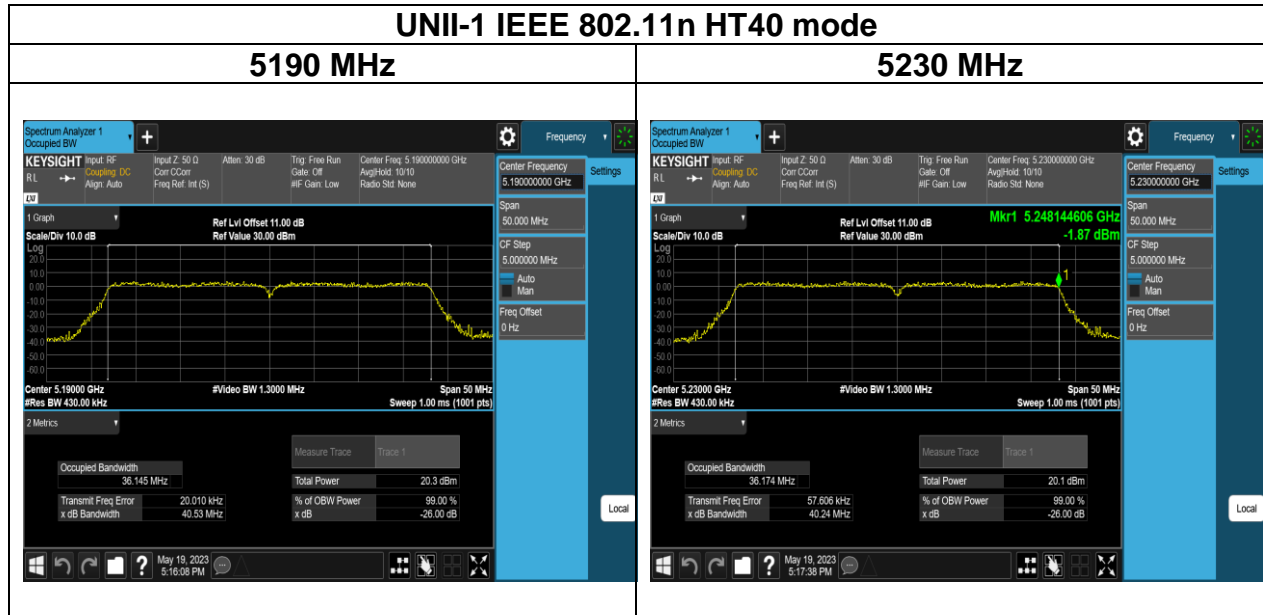
Report No.: TMWK2307002175KR

Test Plots (26dB BANDWIDTH)

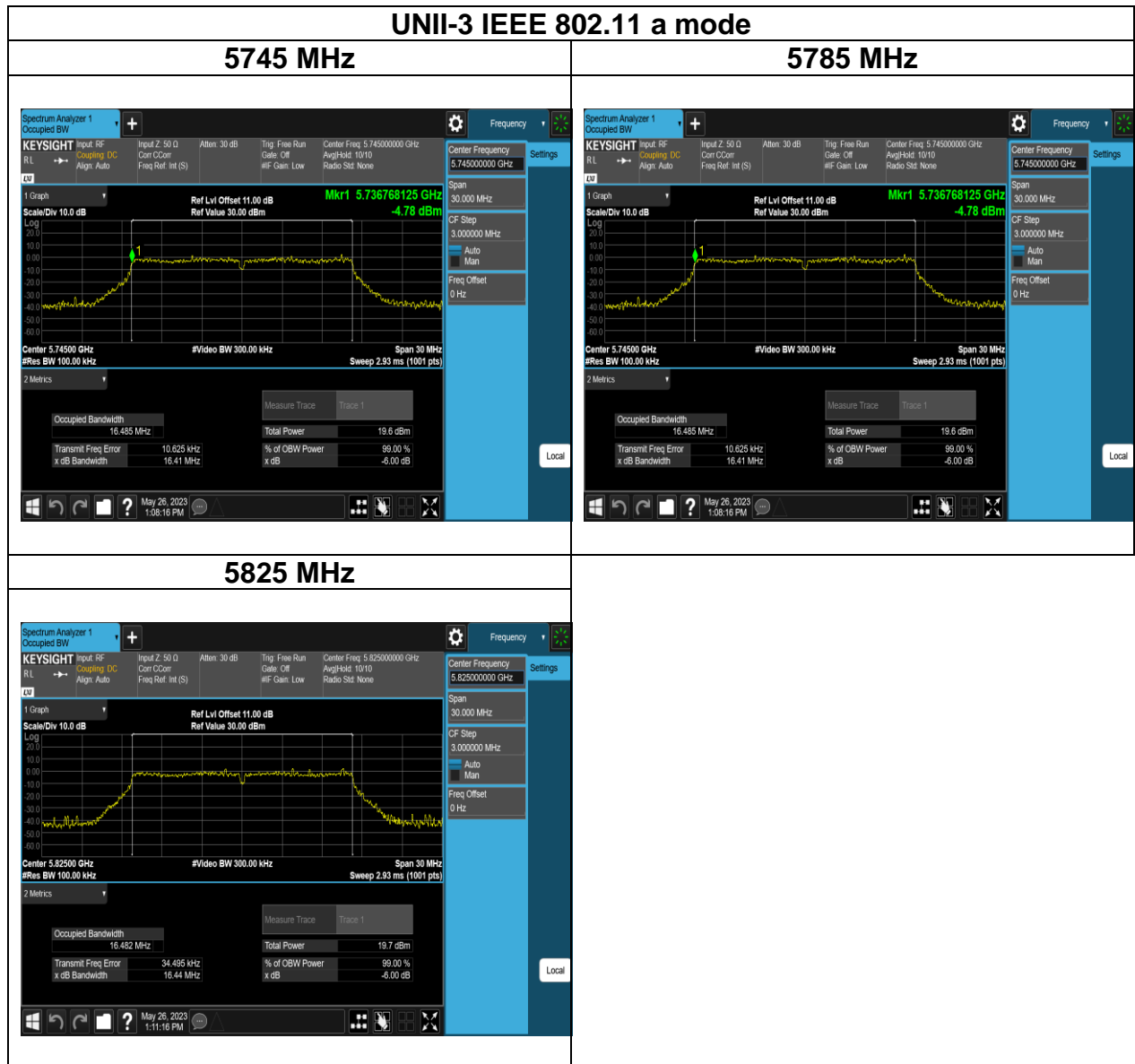


Report No.: TMWK2307002175KR

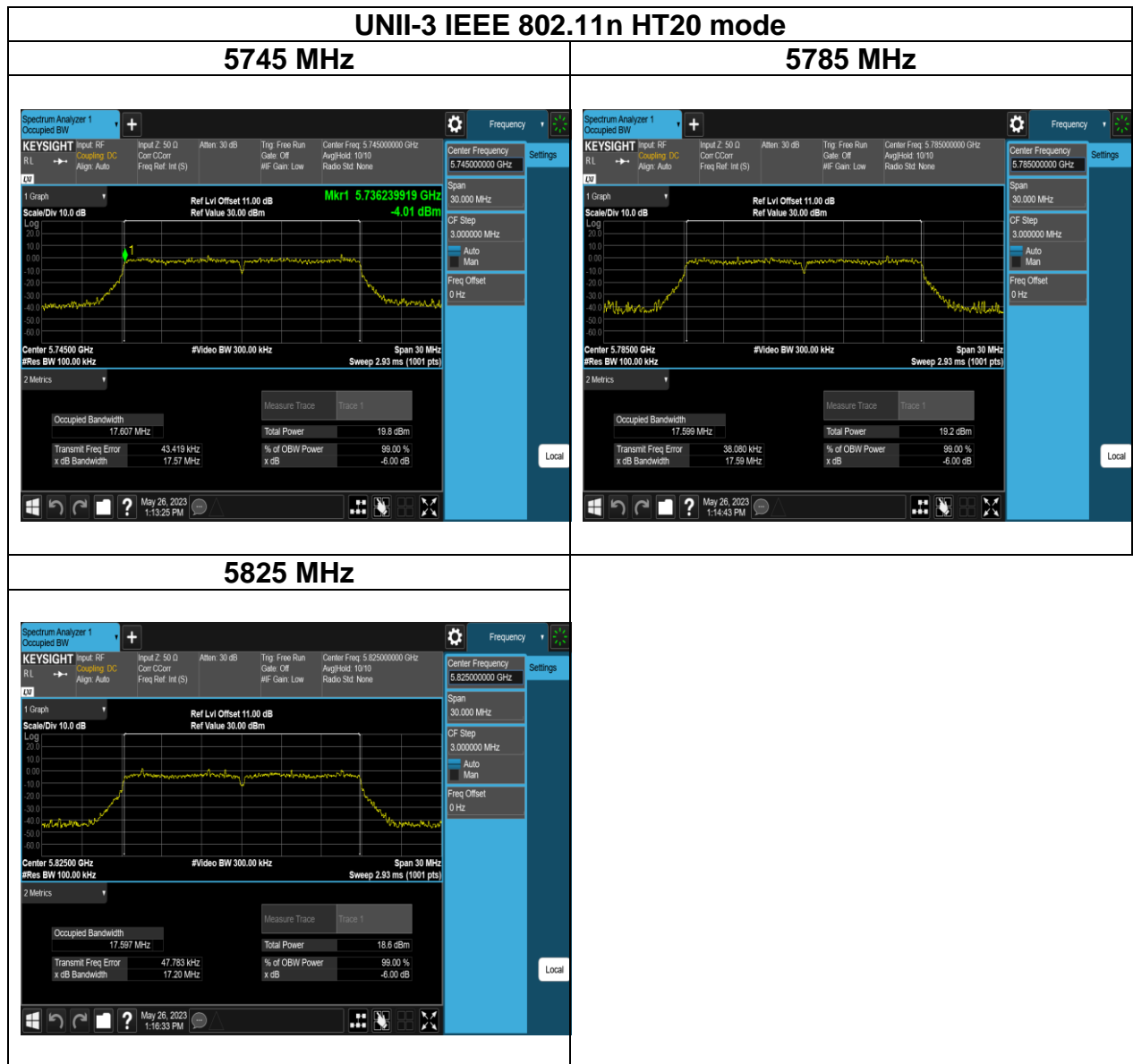




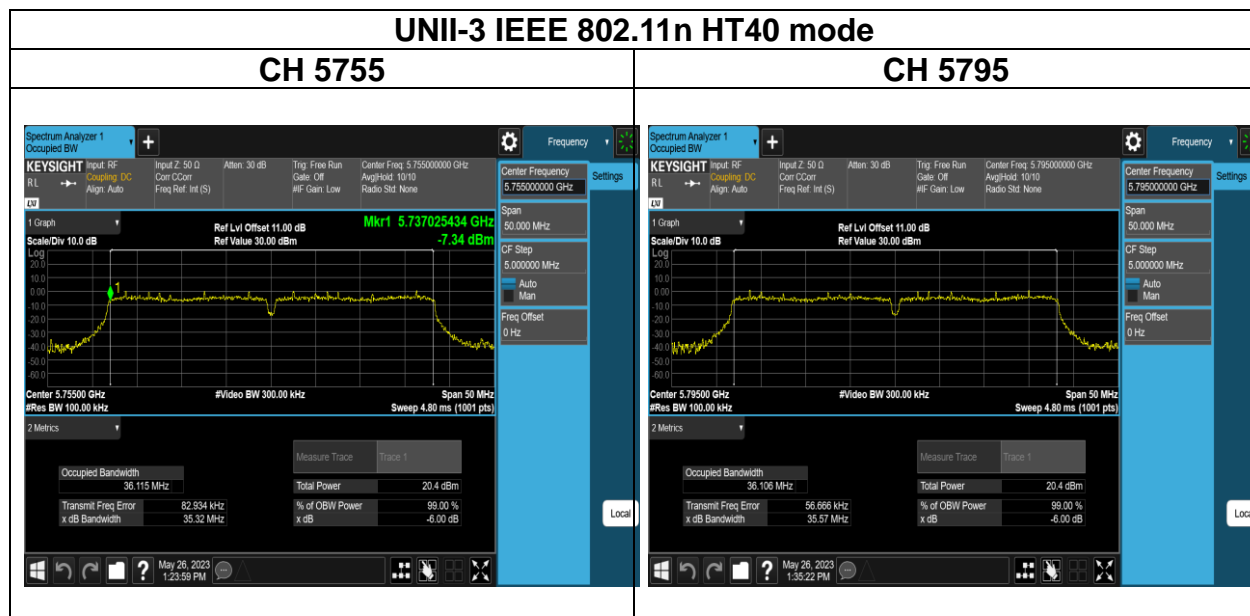
Test Plots (6dB BANDWIDTH)



Report No.: TMWK2307002175KR

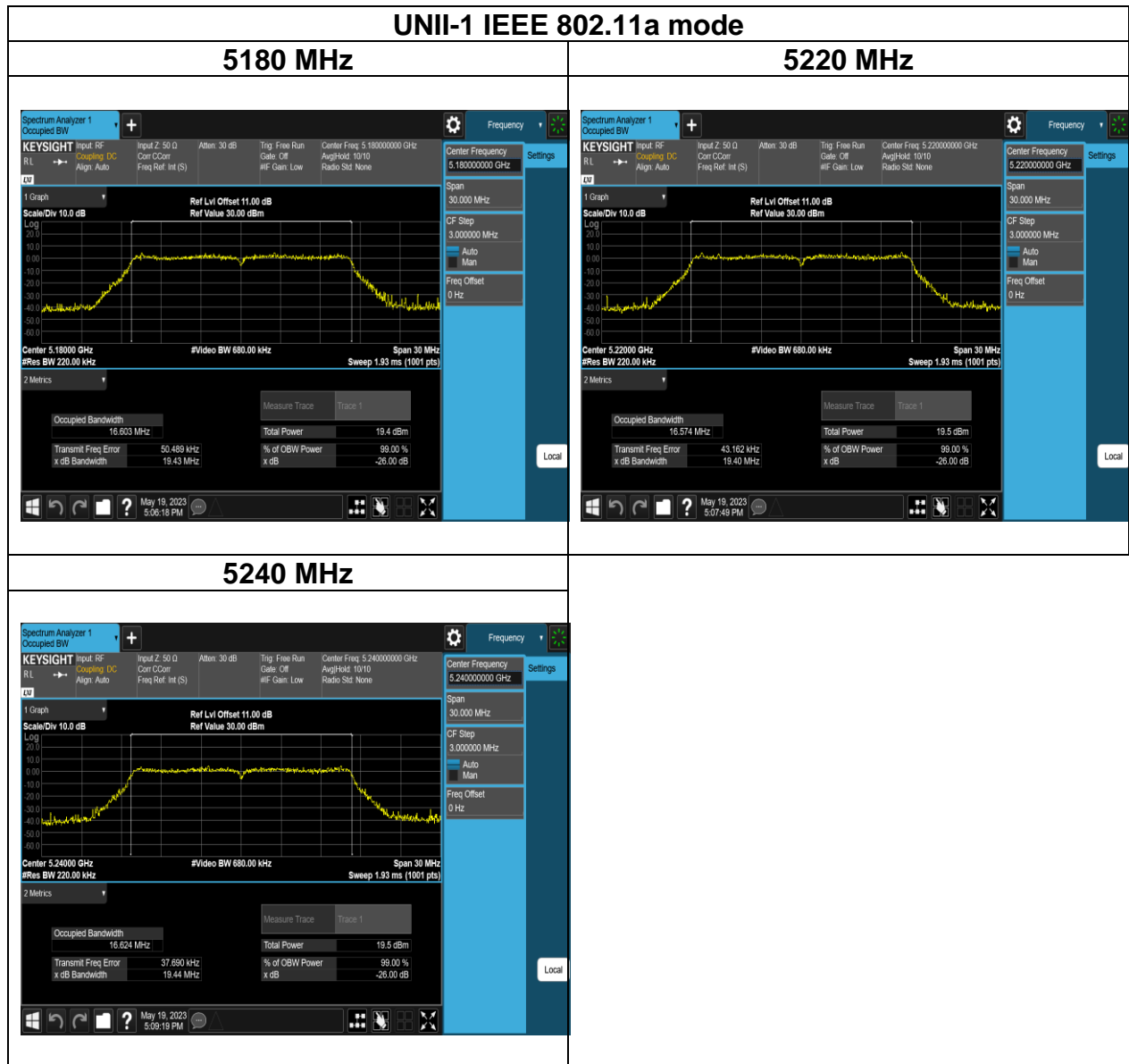


Report No.: TMWK2307002175KR

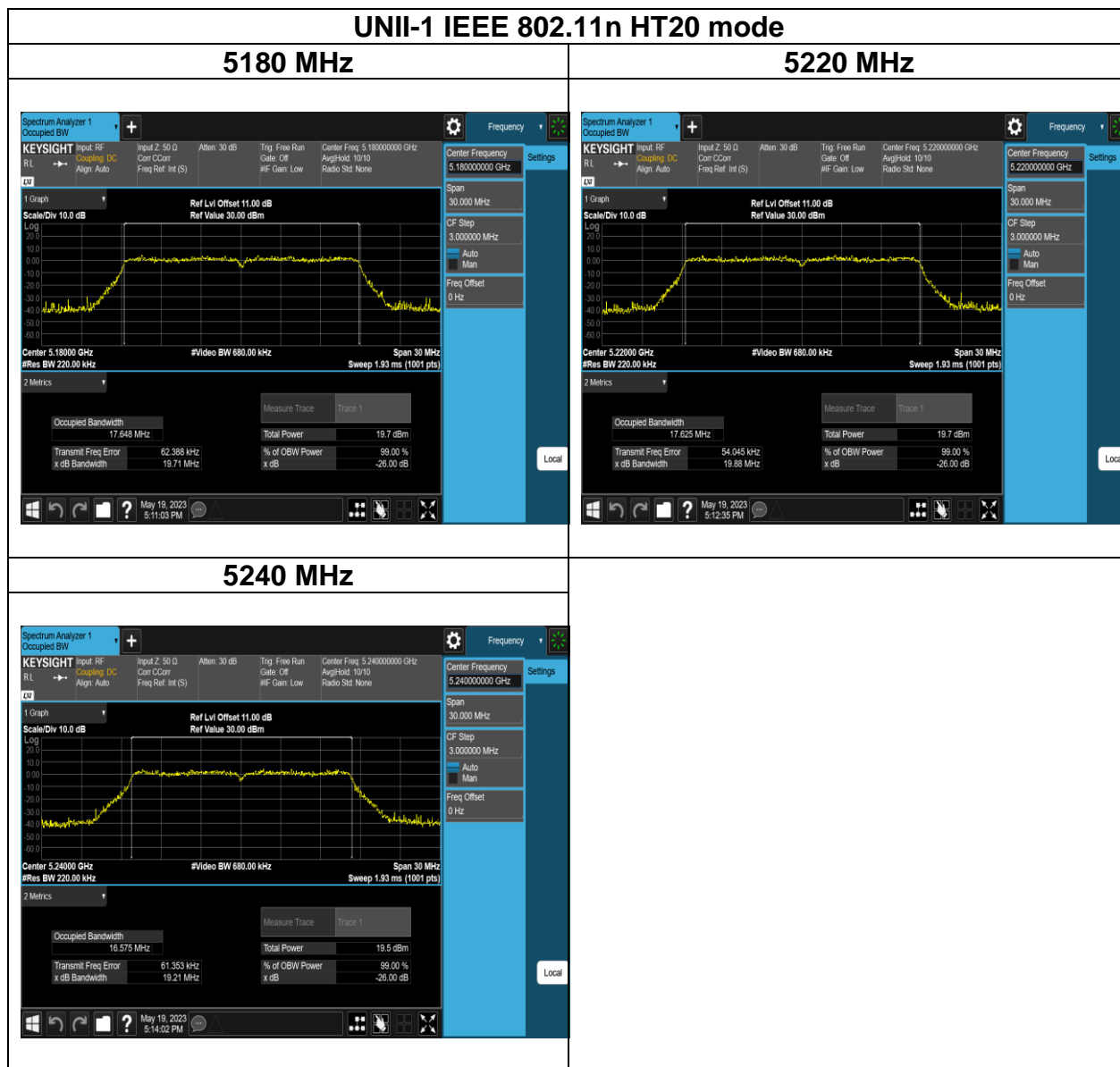


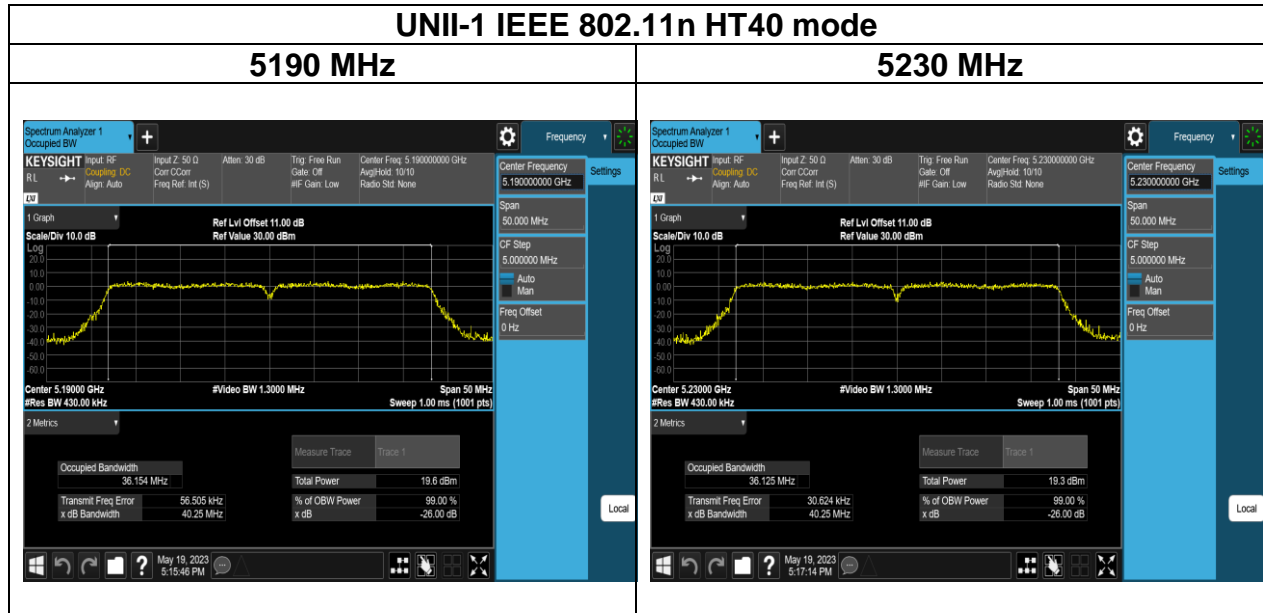
Report No.: TMWK2307002175KR

Test Plots (OBW 99%)



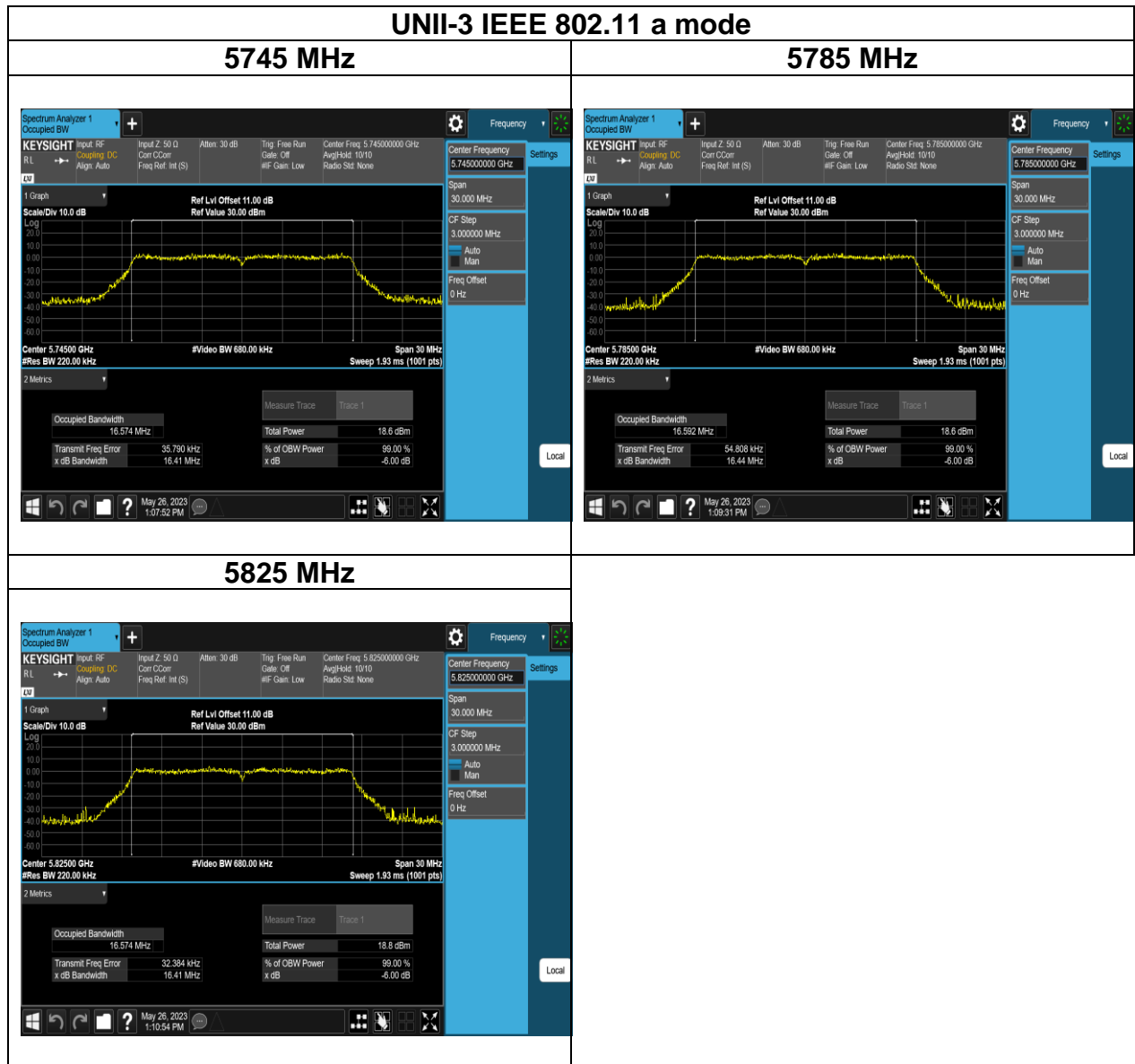
Report No.: TMWK2307002175KR



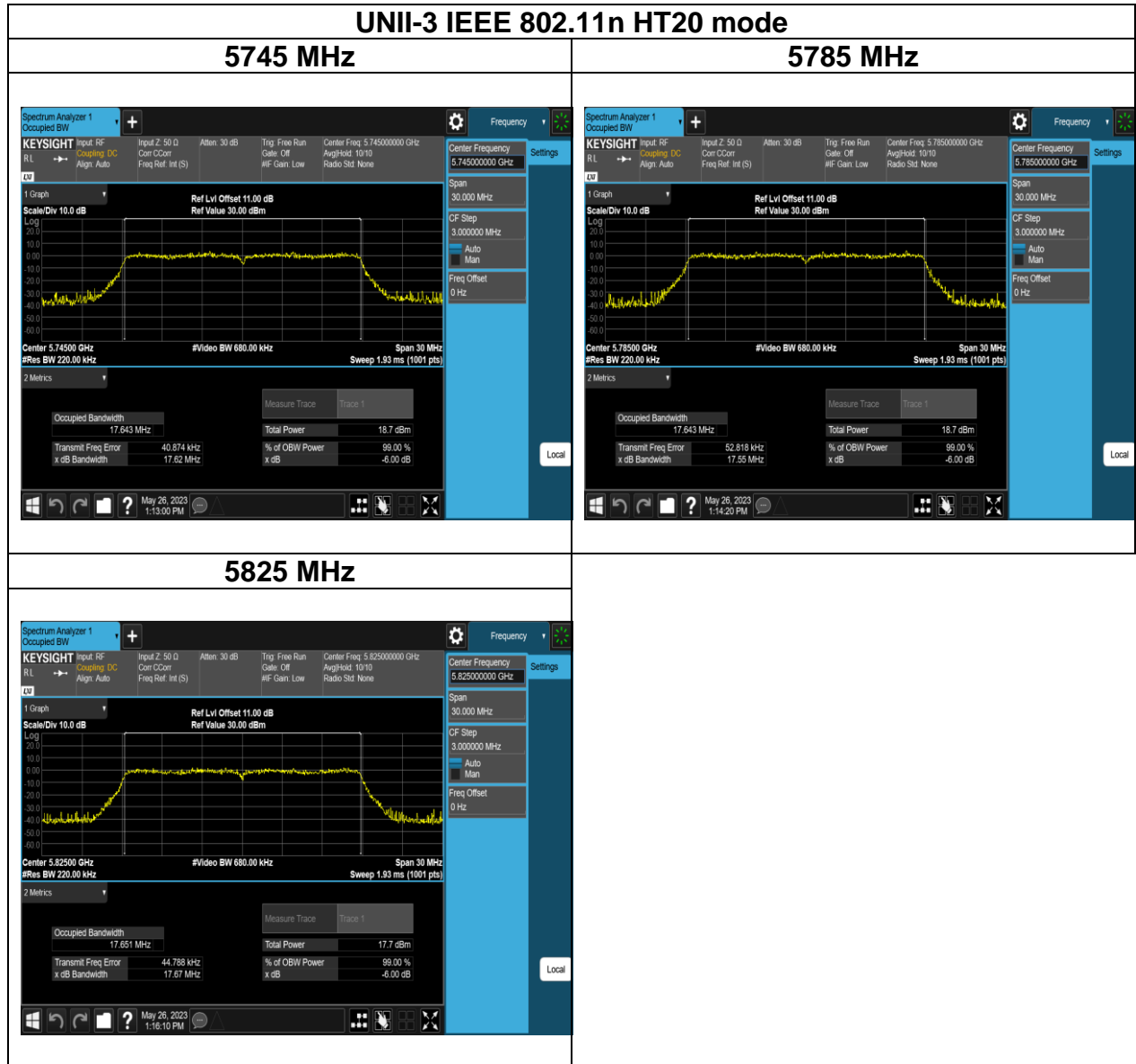


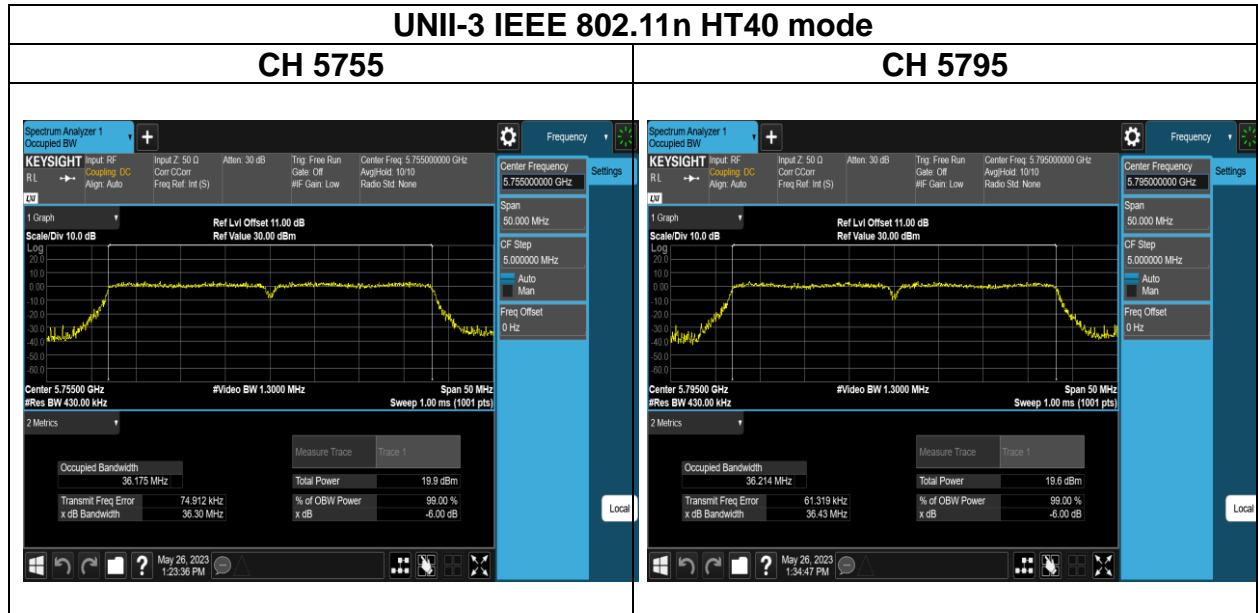
Report No.: TMWK2307002175KR

Test Plots (OBW 99%)



Report No.: TMWK2307002175KR





4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.407 (a)(1) and 15.407(a)(3)

According to RSS-247 section 6.2.1.1 and section 6.2.4.1

UNII-1 :

FCC

The maximum conducted output power over the frequency band of operation shall not exceed 250 mW (24 dBm), whichever power is less. B is the 99% emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

IC

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

| | |
|--------------|--|
| UNII-1 Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm (EIRP: 200mW or $10 + 10 \log_{10} B$ for IC) <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = $24 - (DG - 6)$] |
| UNII-3 Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = $30 - (DG - 6)$] |

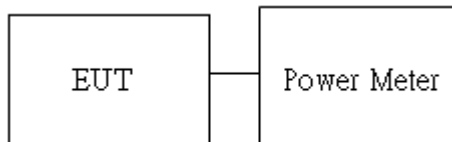
4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz, 40MHz and 80MHz, E.2.b for BW 160MHz.

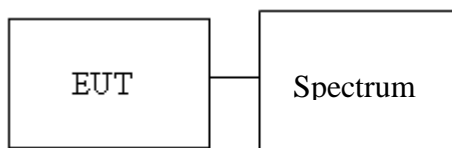
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

4.3.3 Test Setup

For BW 20MHz ,40MHz and 80MHz



For BW 160MHz



4.3.4 Test Result

Temperature: 22.8~27.1℃

Test date: May 19~June 19, 2023

Humidity: 50~64% RH

Tested by: David Li

Conducted output power

Test Mode: IEEE 802.11a mode

| 802.11a_Ch0 | | | | | | | |
|-------------|-----------------|-----------|-----------|-------------------|------------------|----------------------|--------|
| CH | Frequency (MHz) | Data Rate | Power set | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
| 36 | 5180 | 6 | 12.5 | 14.37 | 27.343 | 23.98 | PASS |
| 44 | 5220 | 6 | 12.5 | 14.32 | 27.030 | 23.98 | PASS |
| 48 | 5240 | 6 | 12.5 | 14.37 | 27.343 | 23.98 | PASS |
| 149 | 5745 | 6 | 13 | 14.79 | 30.119 | 30 | PASS |
| 157 | 5785 | 6 | 13 | 14.78 | 30.050 | 30 | PASS |
| 165 | 5825 | 6 | 13 | 14.85 | 30.538 | 30 | PASS |

Test Mode: IEEE 802.11n HT20 mode

| 802.11n_HT20_Ch0 | | | | | | | |
|------------------|-----------------|-----------|-----------|-------------------|------------------|----------------------|--------|
| CH | Frequency (MHz) | Data Rate | Power set | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
| 36 | 5180 | MCS0 | 12.5 | 14.58 | 28.681 | 23.98 | PASS |
| 44 | 5220 | MCS0 | 12.5 | 14.52 | 28.288 | 23.98 | PASS |
| 48 | 5240 | MCS0 | 12.5 | 14.57 | 28.615 | 23.98 | PASS |
| 149 | 5745 | MCS0 | 13 | 14.85 | 30.521 | 30 | PASS |
| 157 | 5785 | MCS0 | 13 | 14.93 | 31.088 | 30 | PASS |
| 165 | 5825 | MCS0 | 12.5 | 14.07 | 25.503 | 30 | PASS |

Test Mode: IEEE 802.11n HT40 mode

| 802.11n_HT40_Ch0 | | | | | | | |
|------------------|-----------------|-----------|-----------|-------------------|------------------|----------------------|--------|
| CH | Frequency (MHz) | Data Rate | Power set | TOTAL POWER (dBm) | TOTAL POWER (mW) | REQUIRED LIMIT (dBm) | RESULT |
| 38 | 5190 | MCS0 | 10 | 12.65 | 18.413 | 23.98 | PASS |
| 46 | 5230 | MCS0 | 12.5 | 14.40 | 27.550 | 23.98 | PASS |
| 151 | 5755 | MCS0 | 13 | 14.78 | 30.069 | 30 | PASS |
| 159 | 5795 | MCS0 | 13 | 14.95 | 31.270 | 30 | PASS |

Note: Since DG<6dBi, there is no need to modify the limit value.

EIRP

Test Mode: IEEE 802.11a mode

| 802.11a_Ch0 | | | | | | | |
|-------------|-----------------|-------------------|--------------------|------------|-----------|----------------------|--------|
| CH | Frequency (MHz) | TOTAL POWER (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (mW) | REQUIRED LIMIT (dBm) | RESULT |
| 36 | 5180 | 14.37 | 6.00 | 20.37 | 108.893 | 22.2 | PASS |
| 44 | 5220 | 14.32 | 6.00 | 20.32 | 107.647 | 22.19 | PASS |
| 48 | 5240 | 14.37 | 6.00 | 20.37 | 108.893 | 22.21 | PASS |

Test Mode: IEEE 802.11n HT20 mode

| 802.11n_HT20_Ch0 | | | | | | | |
|------------------|-----------------|-------------------|--------------------|------------|-----------|----------------------|--------|
| CH | Frequency (MHz) | TOTAL POWER (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (mW) | REQUIRED LIMIT (dBm) | RESULT |
| 36 | 5180 | 14.58 | 6.00 | 20.58 | 114.288 | 22.47 | PASS |
| 44 | 5220 | 14.52 | 6.00 | 20.52 | 112.720 | 22.46 | PASS |
| 48 | 5240 | 14.57 | 6.00 | 20.57 | 114.025 | 22.19 | PASS |

Test Mode: IEEE 802.11n HT40 mode

| 802.11n_HT40_Ch0 | | | | | | | |
|------------------|-----------------|-------------------|--------------------|------------|-----------|----------------------|--------|
| CH | Frequency (MHz) | TOTAL POWER (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (mW) | REQUIRED LIMIT (dBm) | RESULT |
| 38 | 5190 | 12.65 | 6.00 | 18.65 | 73.282 | 23.01 | PASS |
| 46 | 5230 | 14.40 | 6.00 | 20.40 | 109.648 | 23.01 | PASS |

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.407 (a)(1) and 15.407(a)(3)

According to RSS-247 section 6.2.1.1 and section 6.2.4.1

UNII-1 :

FCC

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

IC

The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

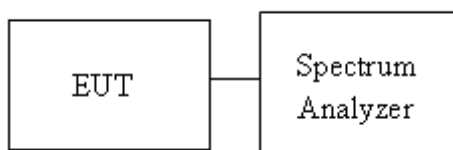
| | |
|--------------|--|
| UNII-1 Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm/MHz (EIRP: 10 dBm/MHz for IC) <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 11 – (DG – 6)] |
| UNII-3 Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30 dBm/500kHz <input type="checkbox"/> Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6) dBm/500kHz] |

4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup



4.4.4 Test Result

Temperature: 22.8~27.1℃

Test date: May 19~June 19, 2023

Humidity: 50~64% RH

Tested by: David Li

| POWER DENSITY 802.11a MODE | | | | | | |
|----------------------------|---------------------------|------------------|-------------------------------|---------------------------------|--------------------|-------------|
| Frequency (MHz) | Ch0 meas PSD (dBm/MHz) | Duty Factor (dB) | Maximum Corr'd PSD (dBm/MHz) | | Limit (dBm/MHz) | Margin (dB) |
| 5180 | 3.720 | 0.25 | 3.97 | | 11.00 | -7.03 |
| 5220 | 3.553 | 0.25 | 3.80 | | 11.00 | -7.20 |
| 5240 | 3.429 | 0.25 | 3.68 | | 11.00 | -7.32 |
| Frequency (MHz) | Ch0 meas PSD (dBm/300kHz) | Duty Factor (dB) | 10log (500kHz/RBW) Factor(dB) | Maximum Corr'd PSD (dBm/500kHz) | Limit (dBm/500kHz) | Margin (dB) |
| 5745 | -0.967 | 0.25 | 2.22 | 1.50 | 30.00 | -28.50 |
| 5785 | -1.264 | 0.25 | 2.22 | 1.21 | 30.00 | -28.79 |
| 5825 | -1.332 | 0.25 | 2.22 | 1.14 | 30.00 | -28.86 |

| EIRP spectral density 802.11a MODE | | | | | |
|------------------------------------|-----------|-----------------|----------------|-------------|-------------|
| Freq. (MHz) | PSD (dBm) | Ant. Gain (dBi) | EIRP PSD (dBm) | Limit (dBm) | Margin (dB) |
| 5180 | 3.97 | 6.00 | 9.97 | 10 | -0.03 |
| 5220 | 3.80 | 6.00 | 9.80 | 10 | -0.20 |
| 5240 | 3.68 | 6.00 | 9.68 | 10 | -0.32 |

| POWER DENSITY 802.11n HT20 MODE | | | | | | |
|---------------------------------|---------------------------|------------------|-------------------------------|---------------------------------|--------------------|-------------|
| Frequency (MHz) | Ch0 meas PSD (dBm/MHz) | Duty Factor (dB) | Maximum Corr'd PSD (dBm/MHz) | | Limit (dBm/MHz) | Margin (dB) |
| 5180 | 3.655 | 0.27 | 3.93 | | 11.00 | -7.08 |
| 5220 | 3.332 | 0.27 | 3.60 | | 11.00 | -7.40 |
| 5240 | 3.366 | 0.27 | 3.64 | | 11.00 | -7.36 |
| Frequency (MHz) | Ch0 meas PSD (dBm/300kHz) | Duty Factor (dB) | 10log (500kHz/RBW) Factor(dB) | Maximum Corr'd PSD (dBm/500kHz) | Limit (dBm/500kHz) | Margin (dB) |
| 5745 | -0.996 | 0.27 | 2.22 | 1.49 | 30.00 | -28.51 |
| 5785 | -1.221 | 0.27 | 2.22 | 1.27 | 30.00 | -28.73 |
| 5825 | -2.048 | 0.27 | 2.22 | 0.44 | 30.00 | -29.56 |

| EIRP spectral density 802.11n HT20 MODE | | | | | |
|---|-----------|-----------------|----------------|-------------|-------------|
| Freq. (MHz) | PSD (dBm) | Ant. Gain (dBi) | EIRP PSD (dBm) | Limit (dBm) | Margin (dB) |
| 5180 | 3.93 | 6.00 | 9.93 | 10 | -0.07 |
| 5220 | 3.60 | 6.00 | 9.60 | 10 | -0.40 |
| 5240 | 3.64 | 6.00 | 9.64 | 10 | -0.36 |

| POWER DENSITY 802.11n HT40 MODE | | | | | | |
|---------------------------------|---------------------------|------------------|-------------------------------|---------------------------------|--------------------|-------------|
| Frequency (MHz) | Ch0 meas PSD (dBm/MHz) | Duty Factor (dB) | Maximum Corr'd PSD (dBm/MHz) | | Limit (dBm/MHz) | Margin (dB) |
| 5190 | -1.594 | 0.52 | -1.07 | | 11.00 | -12.07 |
| 5230 | 0.080 | 0.52 | 0.60 | | 11.00 | -10.40 |
| Frequency (MHz) | Ch0 meas PSD (dBm/300kHz) | Duty Factor (dB) | 10log (500kHz/RBW) Factor(dB) | Maximum Corr'd PSD (dBm/500kHz) | Limit (dBm/500kHz) | Margin (dB) |
| 5755 | -4.523 | 0.52 | 2.22 | -1.78 | 30.00 | -31.78 |
| 5795 | -5.129 | 0.52 | 2.22 | -2.39 | 30.00 | -32.39 |

| EIRP spectral density 802.11n HT40 MODE | | | | | |
|---|-----------|-----------------|----------------|-------------|-------------|
| Freq. (MHz) | PSD (dBm) | Ant. Gain (dBi) | EIRP PSD (dBm) | Limit (dBm) | Margin (dB) |
| 5190 | -1.07 | 6.00 | 4.93 | 10 | -5.07 |
| 5230 | 0.60 | 6.00 | 6.60 | 10 | -3.40 |

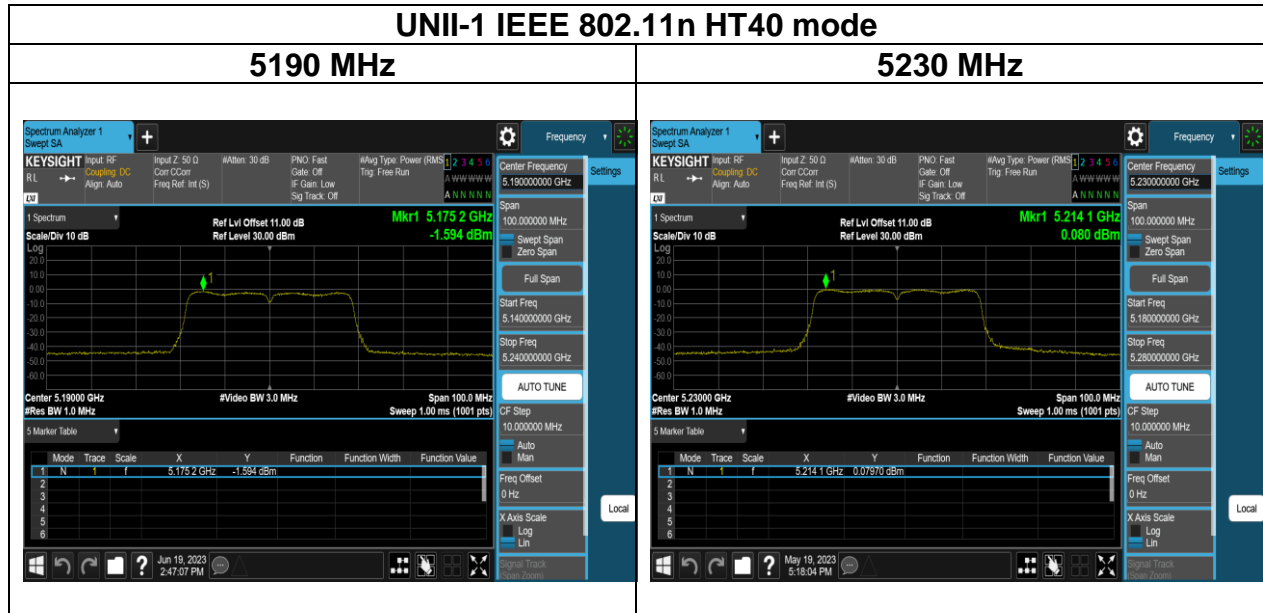
Note: Since DG<6dBi, there is no need to modify the limit value.

Report No.: TMWK2307002175KR

Test Plots







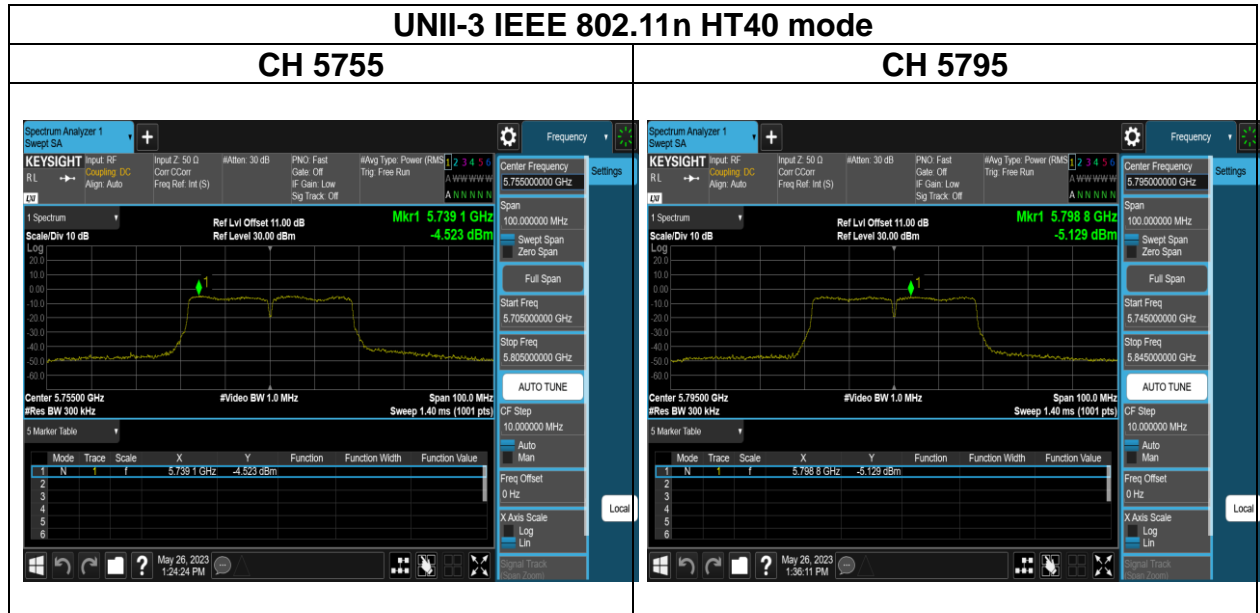
Report No.: TMWK2307002175KR

Test Plots



Report No.: TMWK2307002175KR





4.5 RADIATION BANDEGE AND SPURIOUS EMISSION

4.5.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

According to RSS-247 section 6.2.1.2 and 6.2.4.2

Below 30 MHz

| Frequency | Field Strength (microvolts/m) | Magnetic H-Field (microamperes/m) | Measurement Distance (metres) |
|---------------|----------------------------------|---|-------------------------------------|
| 9-490 kHz | 2,400/F (F in kHz) | 2,400/F (F in kHz) | 300 |
| 490-1,705 kHz | 24,000/F (F in kHz) | 24,000/F (F in kHz) | 30 |
| 1.705-30 MHz | 30 | N/A | 30 |

Above 30 MHz

| Frequency (MHz) | Field Strength microvolts/m at 3 metres (watts, e.i.r.p.) | |
|--------------------|--|--------------|
| | Transmitters | Receivers |
| 30-88 | 100 (3 nW) | 100 (3 nW) |
| 88-216 | 150 (6.8 nW) | 150 (6.8 nW) |
| 216-960 | 200 (12 nW) | 200 (12 nW) |
| Above 960 | 500 (75 nW) | 500 (75 nW) |

RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz ^(Note)

| Frequency (MHz) | Field Strength microvolts/m at 3 metres (watts, e.i.r.p.) | |
|-----------------|--|--------------|
| | Transmitters | Receivers |
| 30-88 | 100 (3 nW) | 100 (3 nW) |
| 88-216 | 150 (6.8 nW) | 150 (6.8 nW) |
| 216-960 | 200 (12 nW) | 200 (12 nW) |
| Above 960 | 500 (75 nW) | 500 (75 nW) |

Note: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

| Frequency | Magnetic field strength (H-Field) (μA/m) | Measurement Distance (m) |
|---------------------------|---|-----------------------------|
| 9-490 kHz ^{Note} | 6.37/F (F in kHz) | 300 |
| 490-1,705 kHz | 63.7/F (F in kHz) | 30 |
| 1.705-30 MHz | 0.08 | 30 |

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

UNII-1 :

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

UNII-3:

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.

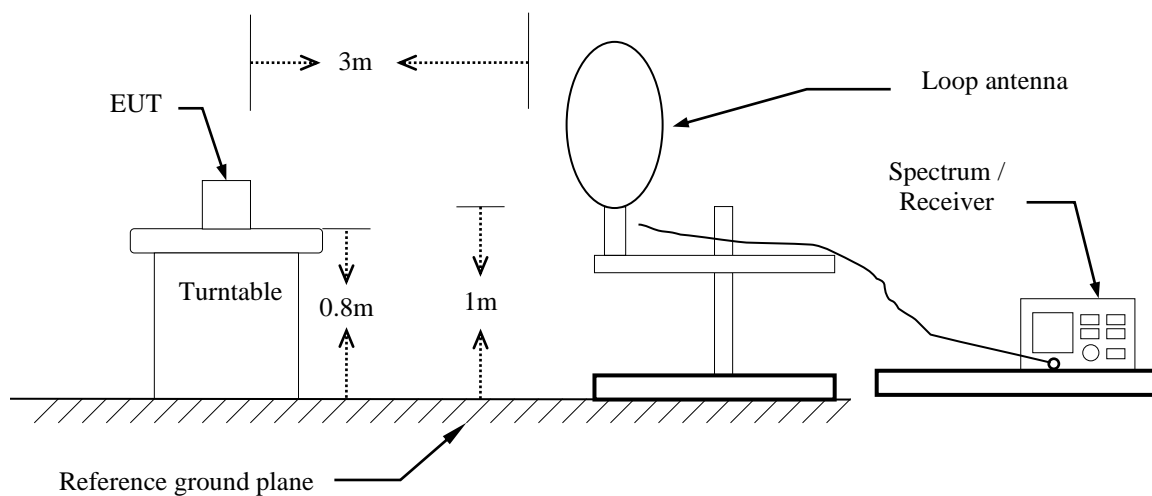
4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

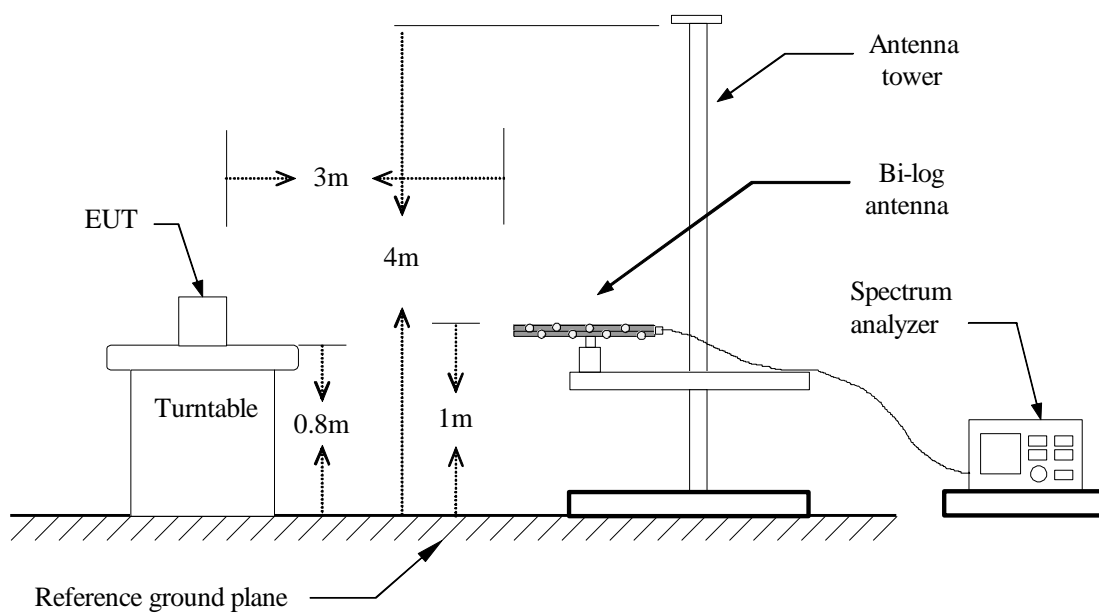
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 40GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)
5. The SA setting following :
 - (1) Below 1G : RBW = 100kHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2) Above 1G :
 - (2.1) For Peak measurement : RBW = 1MHz, VBW $\geq 3 \times$ RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
 - (2.2) For Average measurement : RBW = 1MHz, VBW
 - *If Duty Cycle $\geq 98\%$, VBW=10Hz.
 - *If Duty Cycle $< 98\%$, VBW=1/T.
 - (3) Data result :
 - Actual FS=Spectrum Reading Level + Factor
 - Margin=Actual FS- Limit

4.5.3 Test Setup

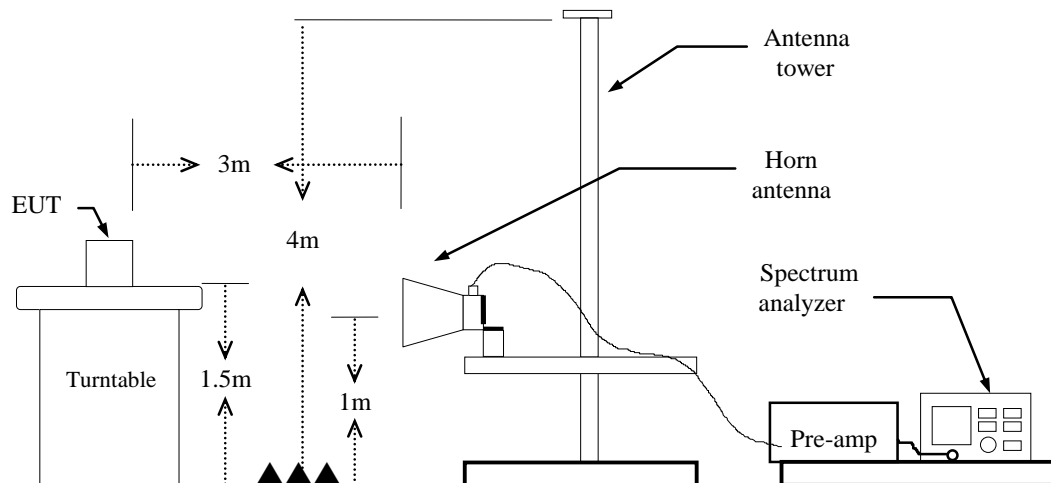
9kHz ~ 30MHz



30MHz ~ 1GHz



Above 1 GHz

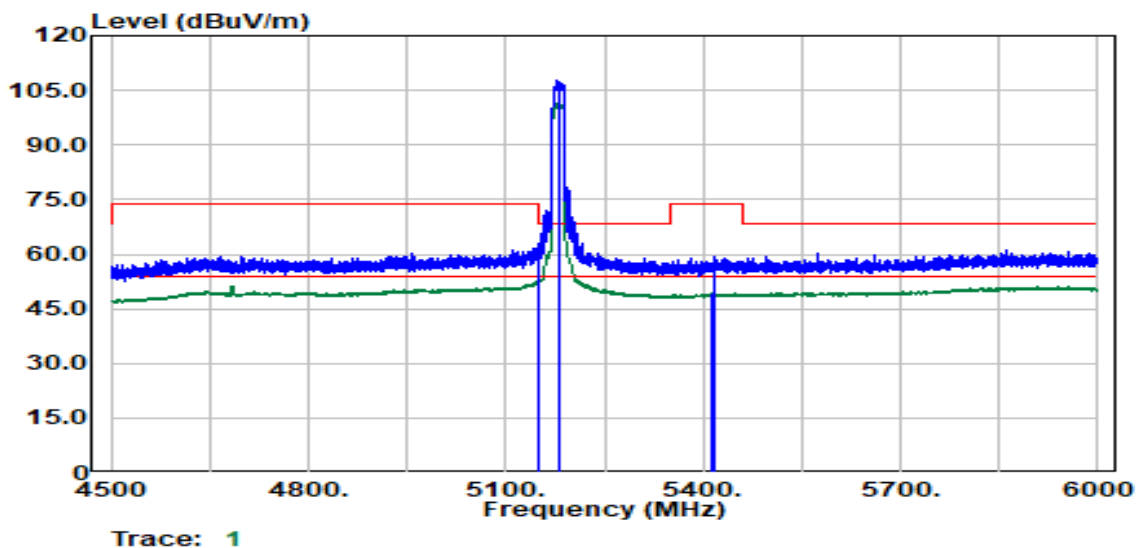


4.5.4 Test Result

Band Edge Test Data: Test Mode: Mode 1 (Dipole Antenna)

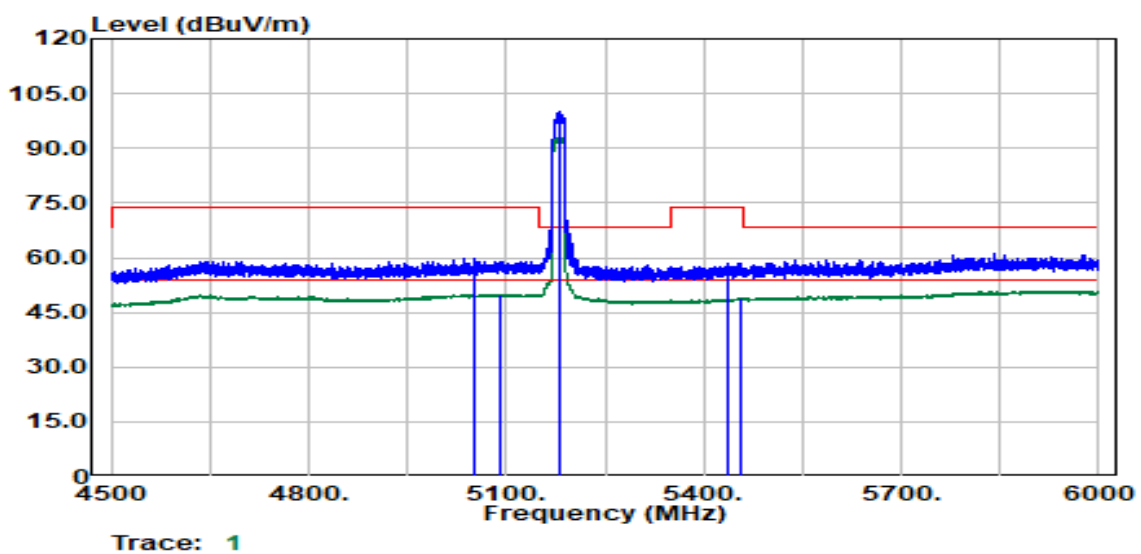
Test Data for UNII-1

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



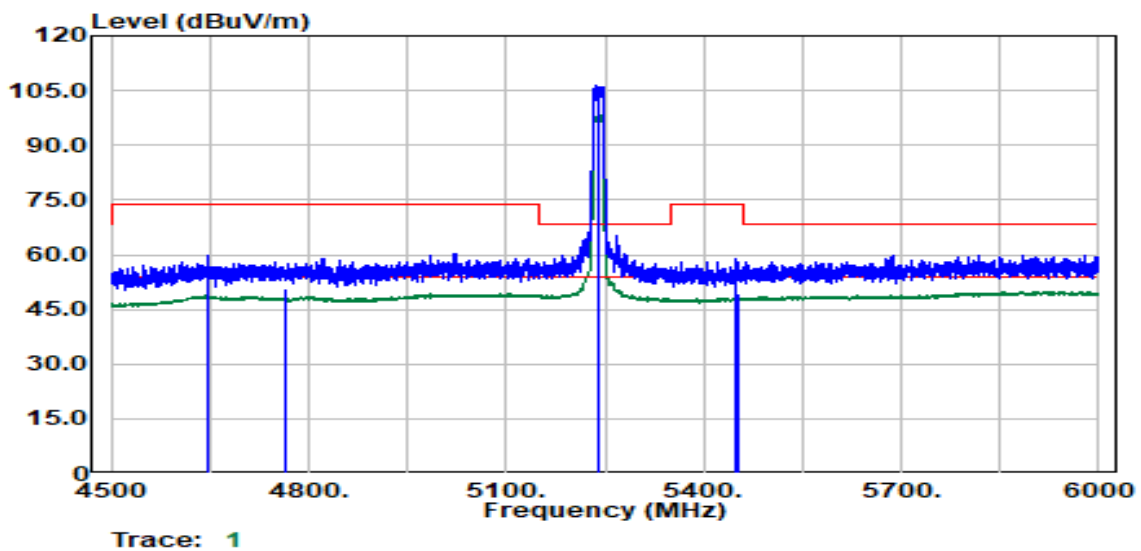
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5148.11 | Peak | 51.94 | 10.89 | 62.83 | 74.00 | -11.17 |
| 5149.86 | Average | 41.80 | 10.89 | 52.69 | 54.00 | -1.31 |
| 5180.00 | Peak | 97.02 | 10.81 | 107.82 | -- | -- |
| 5180.00 | Average | 90.63 | 10.81 | 101.44 | -- | -- |
| 5414.15 | Average | 38.61 | 10.69 | 49.31 | 54.00 | -4.69 |
| 5418.90 | Peak | 48.60 | 10.71 | 59.31 | 74.00 | -14.69 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



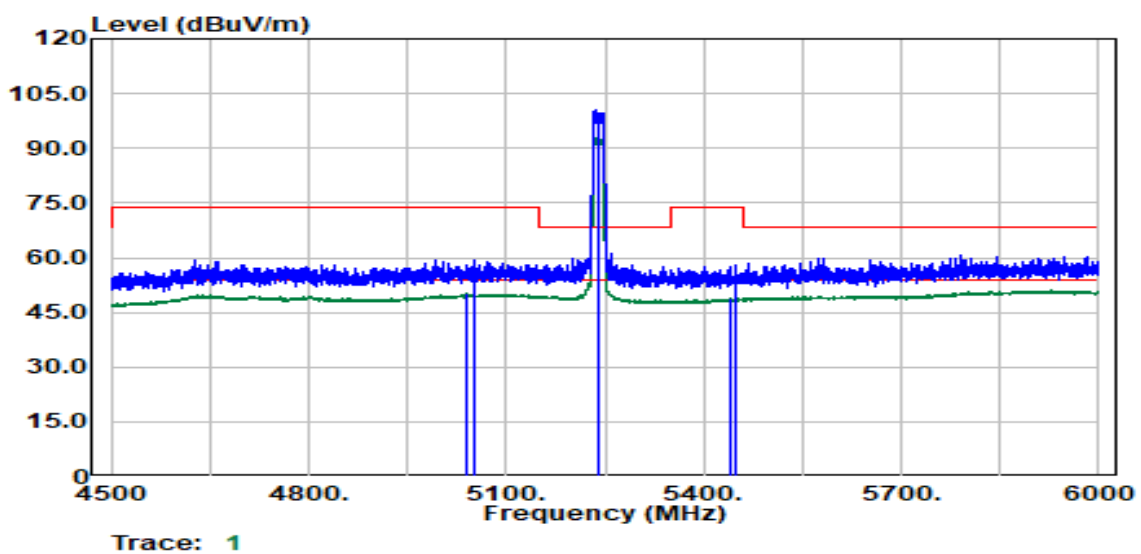
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5051.09 | Peak | 48.86 | 10.88 | 59.74 | 74.00 | -14.26 |
| 5089.60 | Average | 39.05 | 10.94 | 49.98 | 54.00 | -4.02 |
| 5180.00 | Peak | 89.10 | 10.81 | 99.90 | -- | -- |
| 5180.00 | Average | 82.28 | 10.81 | 93.08 | -- | -- |
| 5435.91 | Peak | 47.63 | 10.79 | 58.42 | 74.00 | -15.58 |
| 5457.41 | Average | 37.95 | 10.86 | 48.80 | 54.00 | -5.20 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



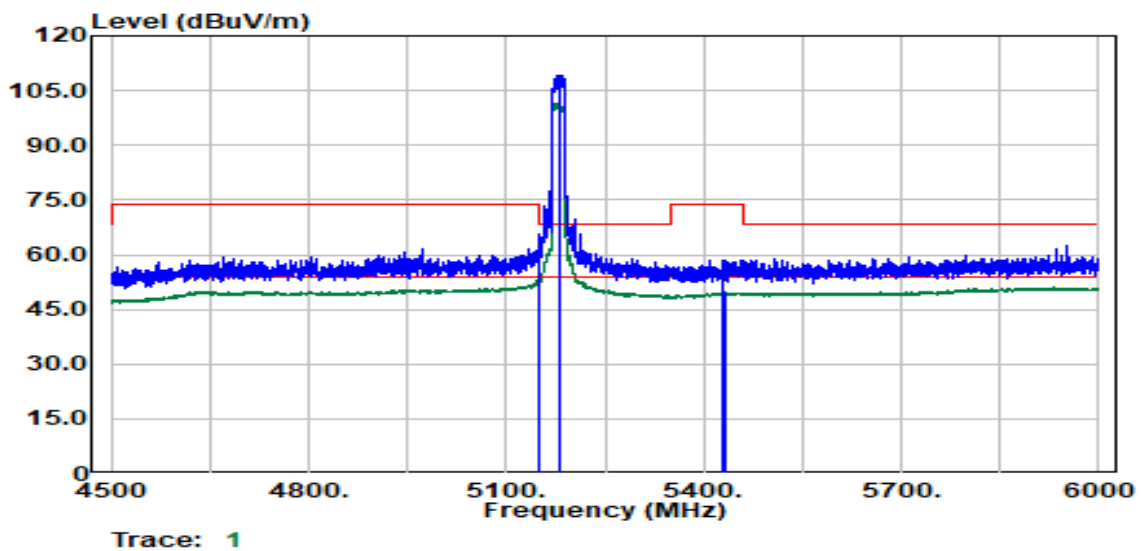
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4648.28 | Peak | 49.99 | 10.33 | 60.32 | 74.00 | -13.68 |
| 4764.79 | Average | 40.39 | 10.39 | 50.78 | 54.00 | -3.22 |
| 5240.00 | Peak | 94.74 | 10.68 | 105.41 | -- | -- |
| 5240.00 | Average | 88.47 | 10.68 | 99.15 | -- | -- |
| 5446.91 | Peak | 48.38 | 10.84 | 59.22 | 74.00 | -14.78 |
| 5453.91 | Average | 38.50 | 10.85 | 49.35 | 54.00 | -4.65 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



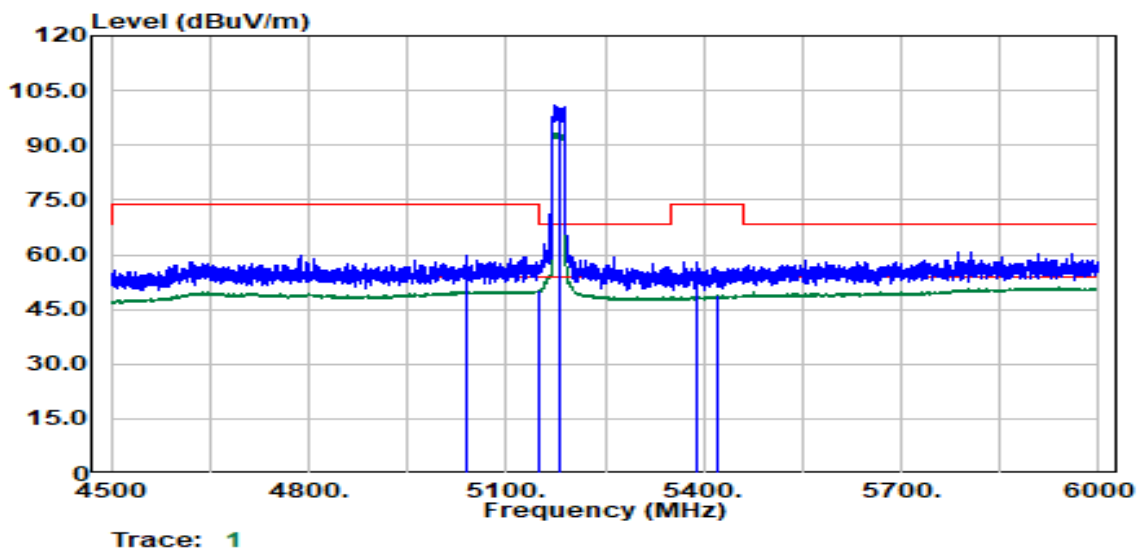
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5038.34 | Average | 39.21 | 10.87 | 50.07 | 54.00 | -3.93 |
| 5050.09 | Peak | 48.95 | 10.88 | 59.83 | 74.00 | -14.17 |
| 5240.00 | Peak | 88.56 | 10.68 | 99.24 | -- | -- |
| 5240.00 | Average | 82.09 | 10.68 | 92.77 | -- | -- |
| 5438.66 | Average | 38.10 | 10.80 | 48.90 | 54.00 | -5.10 |
| 5449.66 | Peak | 47.58 | 10.85 | 58.43 | 74.00 | -15.57 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



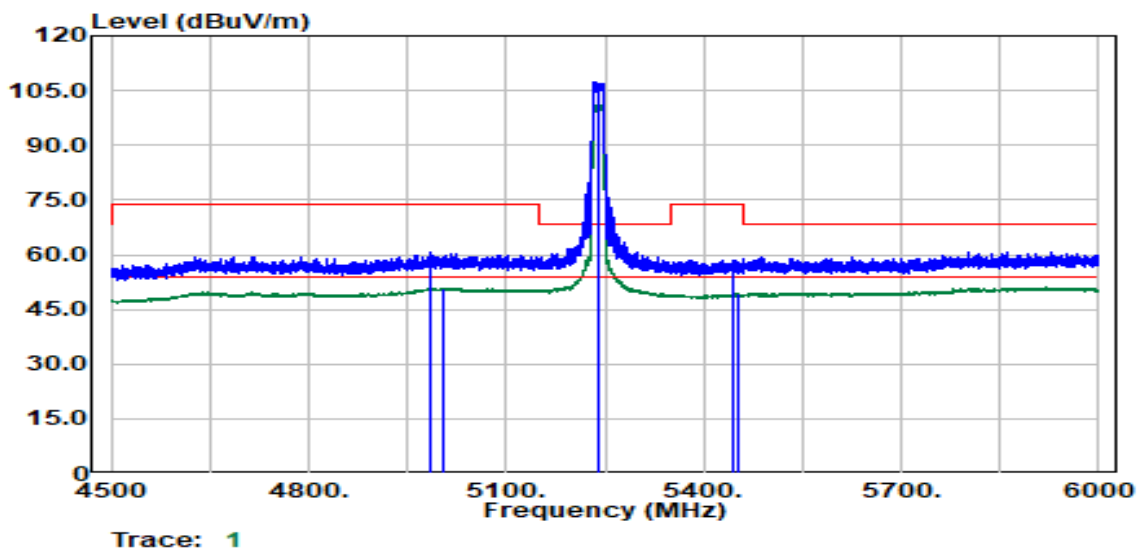
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5149.86 | Average | 42.04 | 10.89 | 52.93 | 54.00 | -1.07 |
| 5150.11 | Peak | 55.21 | 10.89 | 66.10 | 68.20 | -2.10 |
| 5180.00 | Peak | 96.41 | 10.81 | 107.22 | -- | -- |
| 5180.00 | Average | 90.50 | 10.81 | 101.31 | -- | -- |
| 5430.41 | Peak | 48.28 | 10.76 | 59.05 | 74.00 | -14.95 |
| 5431.91 | Average | 38.83 | 10.77 | 49.60 | 54.00 | -4.40 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



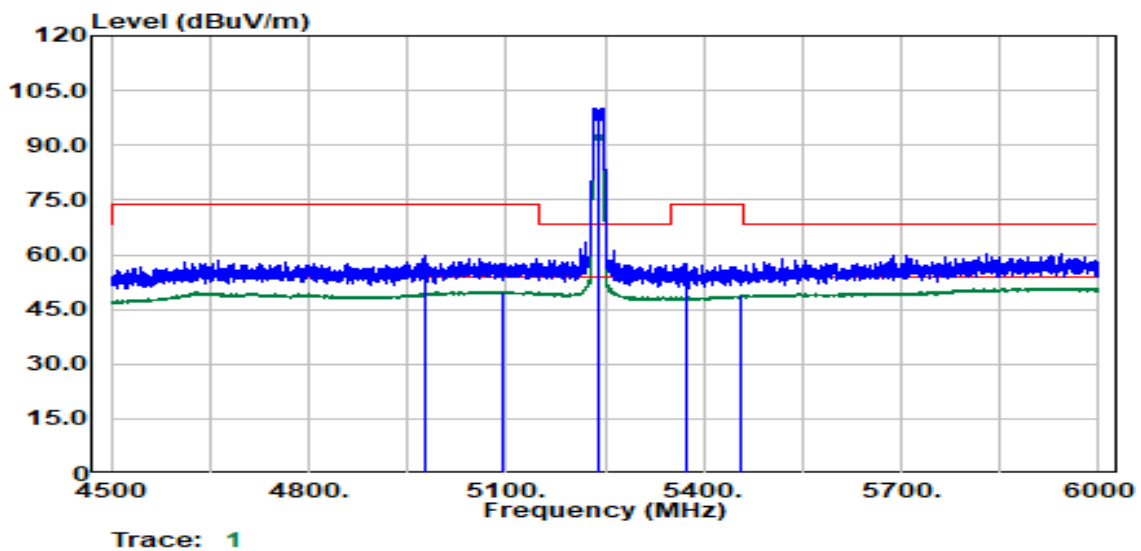
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5038.34 | Peak | 49.31 | 10.87 | 60.18 | 74.00 | -13.82 |
| 5149.36 | Average | 39.39 | 10.89 | 50.28 | 54.00 | -3.72 |
| 5180.00 | Peak | 88.98 | 10.81 | 99.79 | -- | -- |
| 5180.00 | Average | 82.67 | 10.81 | 93.48 | -- | -- |
| 5387.90 | Peak | 47.94 | 10.66 | 58.60 | 74.00 | -15.40 |
| 5421.90 | Average | 38.07 | 10.73 | 48.80 | 54.00 | -5.20 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



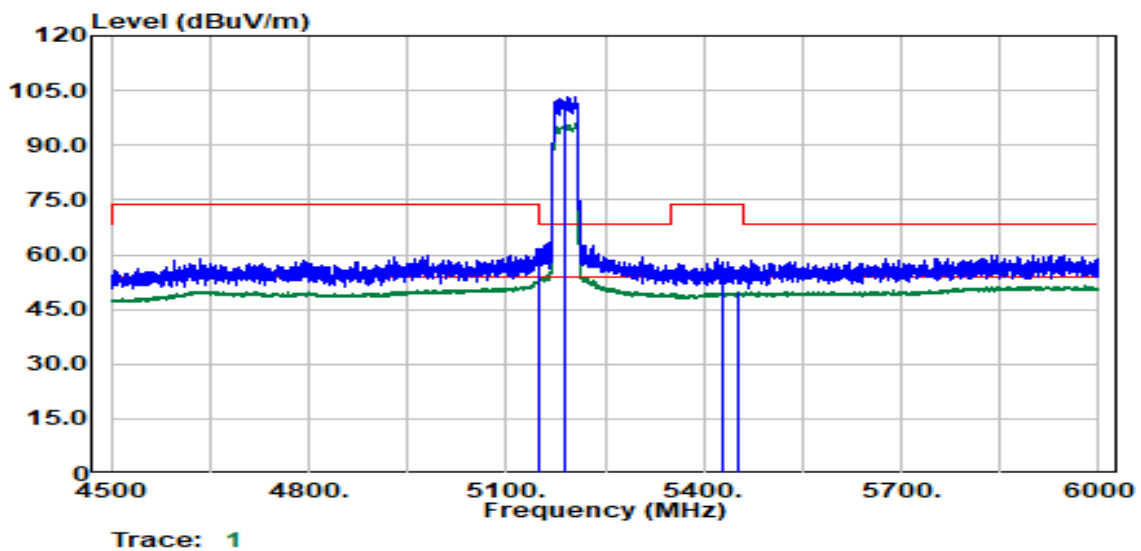
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4985.08 | Peak | 49.74 | 10.76 | 60.50 | 74.00 | -13.50 |
| 5005.33 | Average | 39.94 | 10.84 | 50.78 | 54.00 | -3.22 |
| 5240.00 | Peak | 96.50 | 10.68 | 107.18 | -- | -- |
| 5240.00 | Average | 90.32 | 10.68 | 101.00 | -- | -- |
| 5443.41 | Peak | 47.79 | 10.82 | 58.61 | 74.00 | -15.39 |
| 5452.66 | Average | 38.48 | 10.85 | 49.33 | 54.00 | -4.67 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



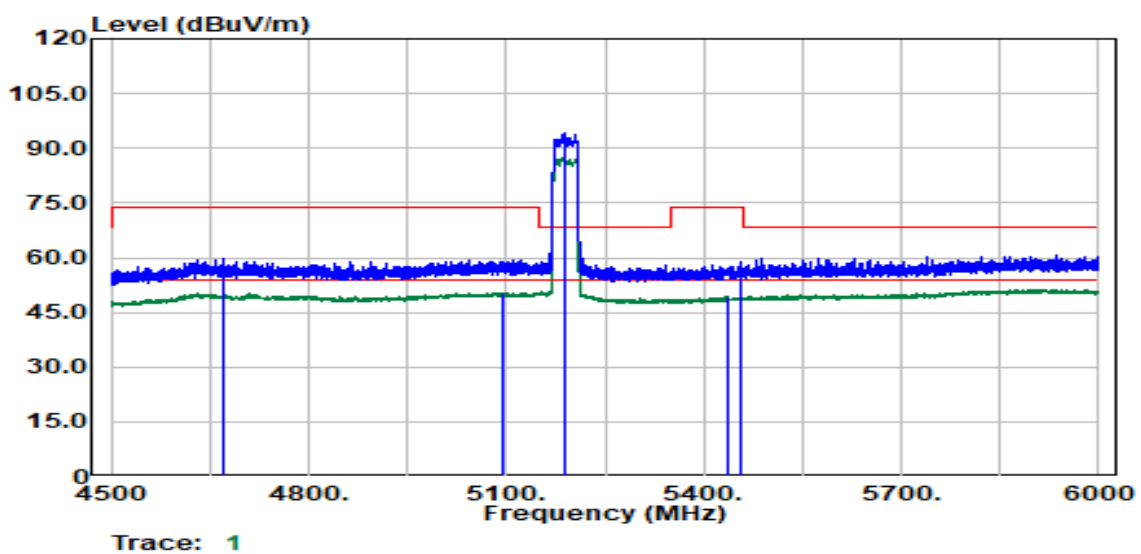
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4976.83 | Peak | 49.41 | 10.72 | 60.14 | 74.00 | -13.86 |
| 5093.60 | Average | 39.06 | 10.94 | 50.00 | 54.00 | -4.00 |
| 5240.00 | Peak | 88.57 | 10.68 | 99.24 | -- | -- |
| 5240.00 | Average | 82.22 | 10.68 | 92.90 | -- | -- |
| 5373.40 | Peak | 47.32 | 10.70 | 58.02 | 74.00 | -15.98 |
| 5456.41 | Average | 37.84 | 10.86 | 48.69 | 54.00 | -5.31 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



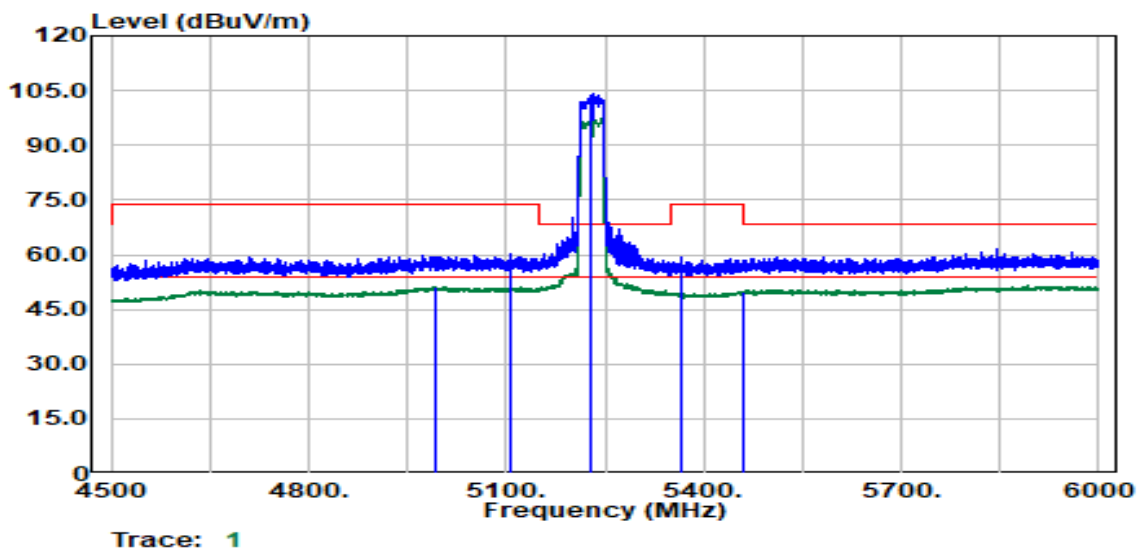
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5148.86 | Peak | 51.16 | 10.89 | 62.05 | 74.00 | -11.95 |
| 5149.86 | Average | 42.40 | 10.89 | 53.29 | 54.00 | -0.71 |
| 5190.00 | Peak | 91.48 | 10.78 | 102.26 | -- | -- |
| 5190.00 | Average | 85.13 | 10.78 | 95.90 | -- | -- |
| 5428.91 | Peak | 47.76 | 10.76 | 58.52 | 74.00 | -15.48 |
| 5452.16 | Average | 38.78 | 10.85 | 49.63 | 54.00 | -4.37 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



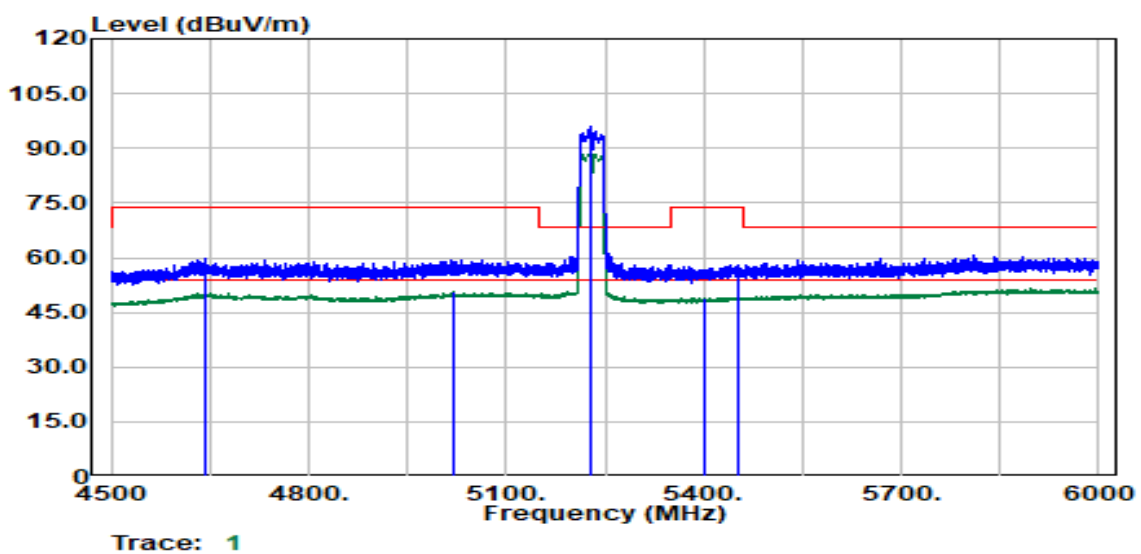
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4669.78 | Peak | 49.29 | 10.31 | 59.60 | 74.00 | -14.40 |
| 5093.35 | Average | 39.53 | 10.94 | 50.47 | 54.00 | -3.53 |
| 5190.00 | Peak | 83.75 | 10.78 | 94.53 | -- | -- |
| 5190.00 | Average | 77.54 | 10.78 | 88.32 | -- | -- |
| 5437.16 | Average | 38.48 | 10.79 | 49.27 | 54.00 | -4.73 |
| 5456.91 | Peak | 48.15 | 10.86 | 59.01 | 74.00 | -14.99 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4991.33 | Average | 40.33 | 10.79 | 51.12 | 54.00 | -2.88 |
| 5107.85 | Peak | 49.10 | 10.94 | 60.04 | 74.00 | -13.96 |
| 5230.00 | Peak | 93.31 | 10.70 | 104.00 | -- | -- |
| 5230.00 | Average | 86.53 | 10.70 | 97.22 | -- | -- |
| 5365.64 | Peak | 48.39 | 10.72 | 59.11 | 74.00 | -14.89 |
| 5459.66 | Average | 39.04 | 10.86 | 49.90 | 54.00 | -4.10 |

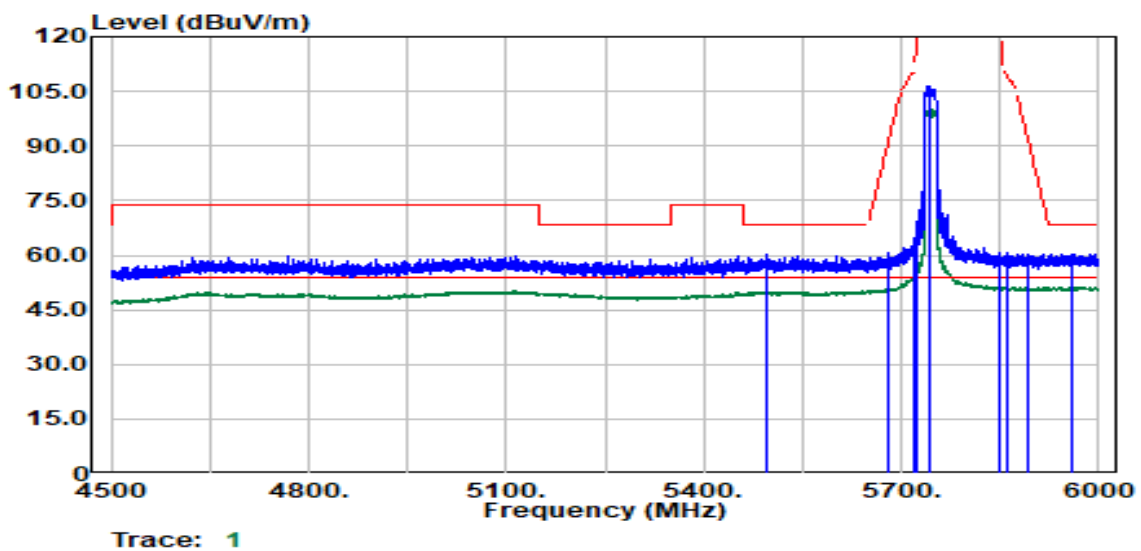
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4641.77 | Peak | 49.57 | 10.31 | 59.88 | 74.00 | -14.12 |
| 5019.84 | Average | 39.78 | 10.85 | 50.63 | 54.00 | -3.37 |
| 5230.00 | Peak | 85.72 | 10.70 | 96.42 | -- | -- |
| 5230.00 | Average | 78.90 | 10.70 | 89.60 | -- | -- |
| 5401.90 | Average | 38.45 | 10.64 | 49.09 | 54.00 | -4.91 |
| 5452.16 | Peak | 47.15 | 10.85 | 58.00 | 74.00 | -16.00 |

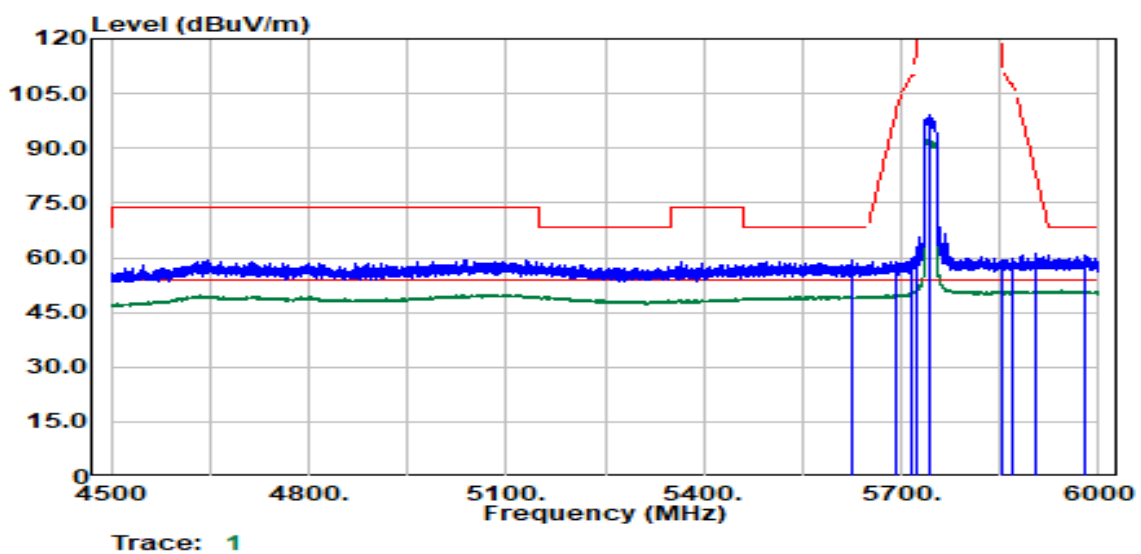
Test Data for UNII-3

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



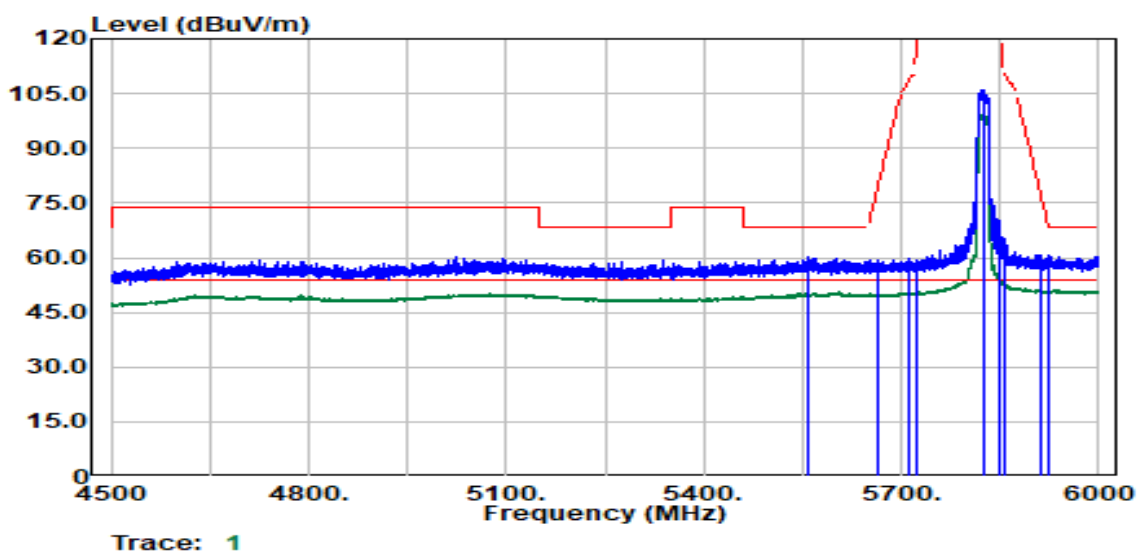
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5496.42 | Peak | 49.48 | 10.90 | 60.38 | 68.20 | -7.82 |
| 5679.70 | Peak | 48.93 | 11.98 | 60.90 | 90.21 | -29.31 |
| 5717.95 | Peak | 50.35 | 12.26 | 62.61 | 110.23 | -47.62 |
| 5722.20 | Peak | 56.82 | 12.28 | 69.10 | 115.83 | -46.72 |
| 5745.00 | Peak | 94.13 | 12.40 | 106.54 | -- | -- |
| 5745.00 | Average | 87.59 | 12.40 | 99.99 | -- | -- |
| 5850.23 | Peak | 47.39 | 12.47 | 59.86 | 121.69 | -61.83 |
| 5859.98 | Peak | 48.41 | 12.45 | 60.86 | 109.40 | -48.54 |
| 5892.23 | Peak | 48.06 | 12.38 | 60.44 | 92.41 | -31.98 |
| 5959.74 | Peak | 47.96 | 12.36 | 60.32 | 68.20 | -7.88 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



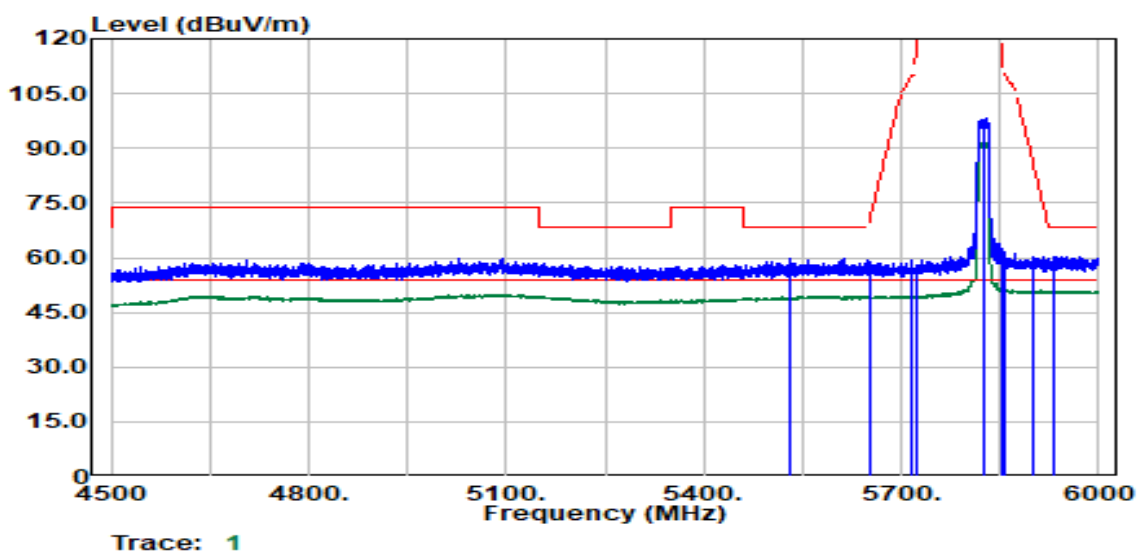
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5625.94 | Peak | 47.91 | 11.58 | 59.49 | 68.20 | -8.71 |
| 5693.95 | Peak | 46.86 | 12.11 | 58.96 | 100.74 | -41.78 |
| 5714.20 | Peak | 47.50 | 12.24 | 59.73 | 109.18 | -49.45 |
| 5724.70 | Peak | 49.87 | 12.29 | 62.16 | 121.53 | -59.36 |
| 5745.00 | Peak | 86.61 | 12.40 | 99.01 | -- | -- |
| 5745.00 | Average | 80.07 | 12.40 | 92.47 | -- | -- |
| 5854.73 | Peak | 46.88 | 12.46 | 59.34 | 111.42 | -52.09 |
| 5870.23 | Peak | 47.12 | 12.43 | 59.55 | 106.53 | -46.98 |
| 5904.73 | Peak | 48.88 | 12.36 | 61.24 | 83.16 | -21.92 |
| 5977.00 | Peak | 48.16 | 12.37 | 60.54 | 68.20 | -7.66 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



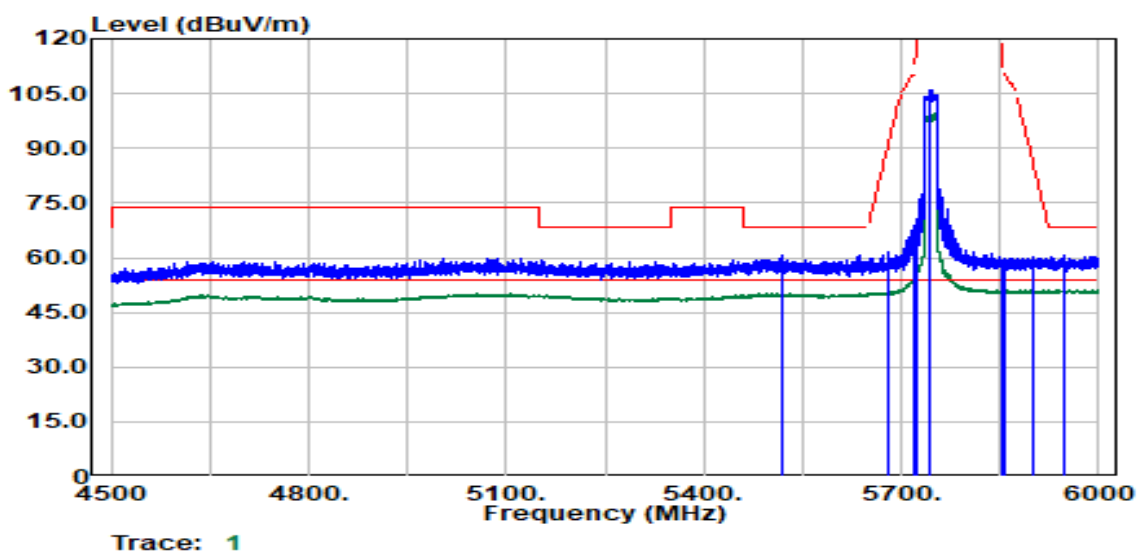
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5560.43 | Peak | 48.85 | 11.24 | 60.10 | 68.20 | -8.10 |
| 5665.69 | Peak | 47.68 | 11.85 | 59.53 | 79.85 | -20.32 |
| 5709.95 | Peak | 47.41 | 12.21 | 59.62 | 107.99 | -48.37 |
| 5723.20 | Peak | 46.99 | 12.29 | 59.27 | 118.11 | -58.83 |
| 5825.00 | Peak | 93.39 | 12.57 | 105.96 | -- | -- |
| 5825.00 | Average | 86.38 | 12.57 | 98.95 | -- | -- |
| 5850.48 | Peak | 53.77 | 12.47 | 66.24 | 121.12 | -54.88 |
| 5856.48 | Peak | 52.72 | 12.46 | 65.18 | 110.39 | -45.21 |
| 5912.99 | Peak | 48.35 | 12.36 | 60.71 | 77.06 | -16.35 |
| 5925.74 | Peak | 48.13 | 12.35 | 60.49 | 68.20 | -7.71 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



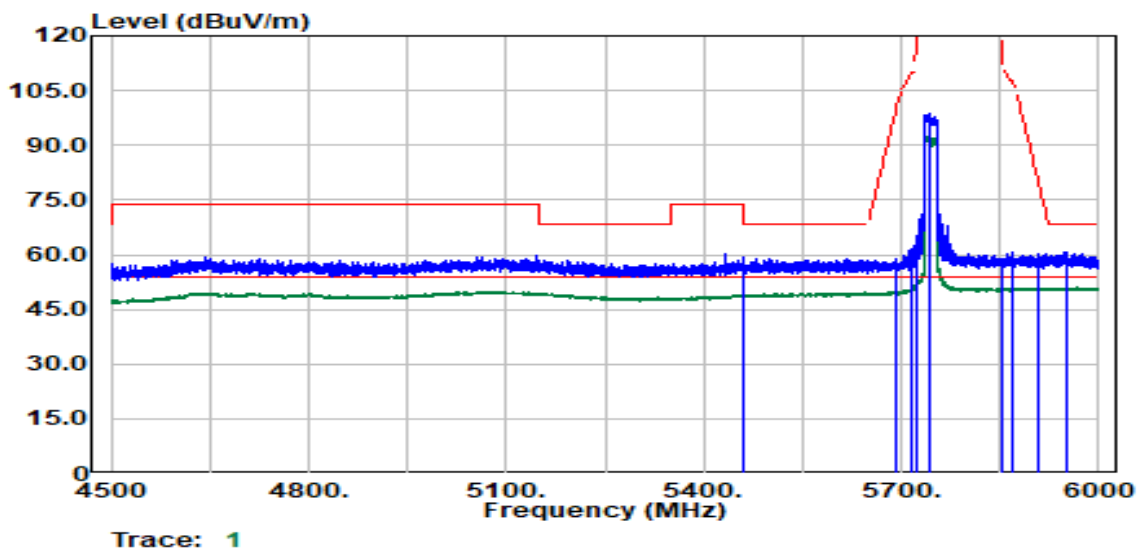
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5529.42 | Peak | 48.75 | 11.07 | 59.82 | 68.20 | -8.38 |
| 5653.94 | Peak | 46.91 | 11.75 | 58.65 | 71.13 | -12.48 |
| 5716.70 | Peak | 46.88 | 12.25 | 59.13 | 109.88 | -50.75 |
| 5722.20 | Peak | 45.86 | 12.28 | 58.14 | 115.83 | -57.68 |
| 5825.00 | Peak | 85.54 | 12.57 | 98.11 | -- | -- |
| 5825.00 | Average | 79.03 | 12.57 | 91.60 | -- | -- |
| 5853.48 | Peak | 50.10 | 12.46 | 62.56 | 114.27 | -51.71 |
| 5857.48 | Peak | 49.04 | 12.45 | 61.49 | 110.11 | -48.62 |
| 5900.23 | Peak | 47.85 | 12.36 | 60.21 | 86.49 | -26.28 |
| 5932.74 | Peak | 48.09 | 12.35 | 60.44 | 68.20 | -7.76 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



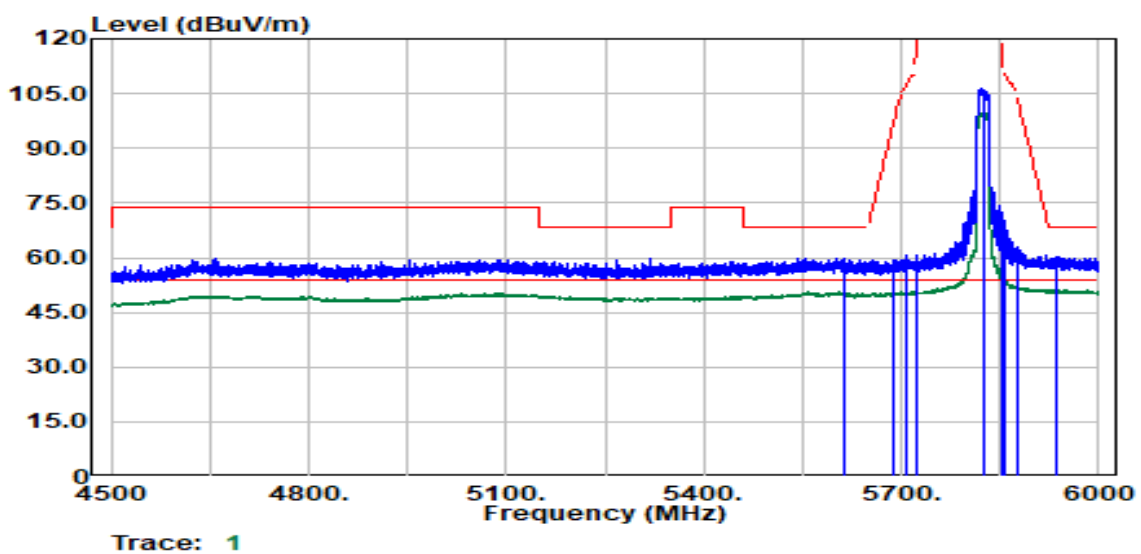
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5520.67 | Peak | 49.74 | 11.02 | 60.76 | 68.20 | -7.44 |
| 5679.95 | Peak | 49.46 | 11.98 | 61.44 | 90.40 | -28.96 |
| 5718.70 | Peak | 55.88 | 12.26 | 68.15 | 110.44 | -42.29 |
| 5724.20 | Peak | 57.41 | 12.29 | 69.70 | 120.39 | -50.69 |
| 5745.00 | Peak | 93.65 | 12.40 | 106.06 | -- | -- |
| 5745.00 | Average | 87.00 | 12.40 | 99.40 | -- | -- |
| 5854.98 | Peak | 47.06 | 12.46 | 59.52 | 110.85 | -51.33 |
| 5857.73 | Peak | 47.50 | 12.45 | 59.96 | 110.04 | -50.08 |
| 5901.48 | Peak | 48.07 | 12.36 | 60.43 | 85.56 | -25.13 |
| 5947.24 | Peak | 48.24 | 12.35 | 60.59 | 68.20 | -7.61 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



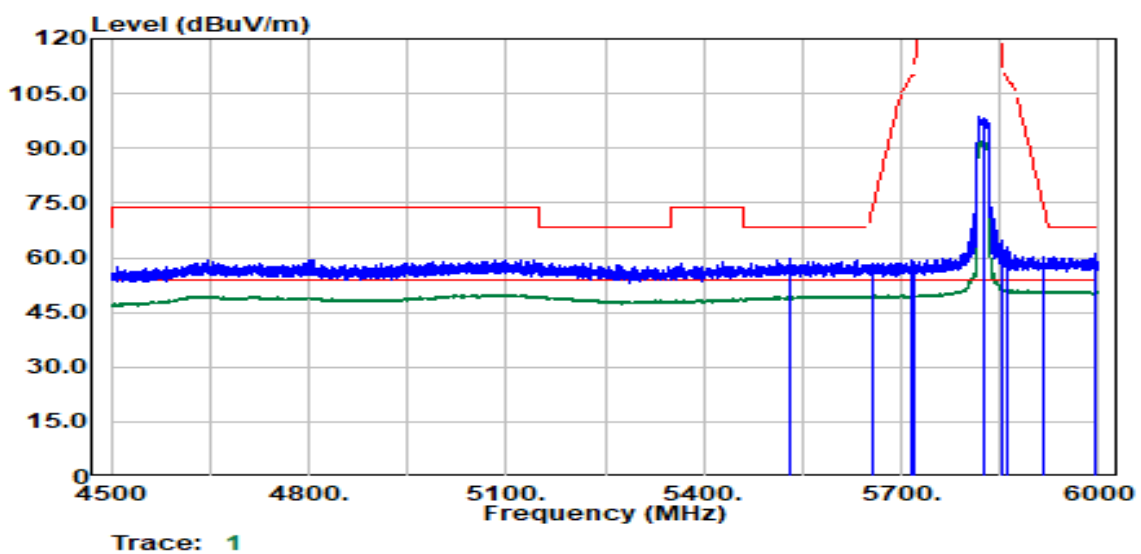
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5461.41 | Peak | 48.63 | 10.86 | 59.49 | 68.20 | -8.71 |
| 5691.70 | Peak | 46.85 | 12.09 | 58.94 | 99.08 | -40.14 |
| 5714.70 | Peak | 49.44 | 12.24 | 61.68 | 109.32 | -47.64 |
| 5724.95 | Peak | 52.71 | 12.29 | 65.01 | 122.10 | -57.09 |
| 5745.00 | Peak | 86.30 | 12.40 | 98.71 | -- | -- |
| 5745.00 | Average | 80.24 | 12.40 | 92.64 | -- | -- |
| 5854.73 | Peak | 46.57 | 12.46 | 59.03 | 111.42 | -52.40 |
| 5867.23 | Peak | 48.15 | 12.43 | 60.58 | 107.37 | -46.79 |
| 5907.74 | Peak | 47.98 | 12.36 | 60.34 | 80.94 | -20.60 |
| 5950.24 | Peak | 48.19 | 12.35 | 60.54 | 68.20 | -7.66 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



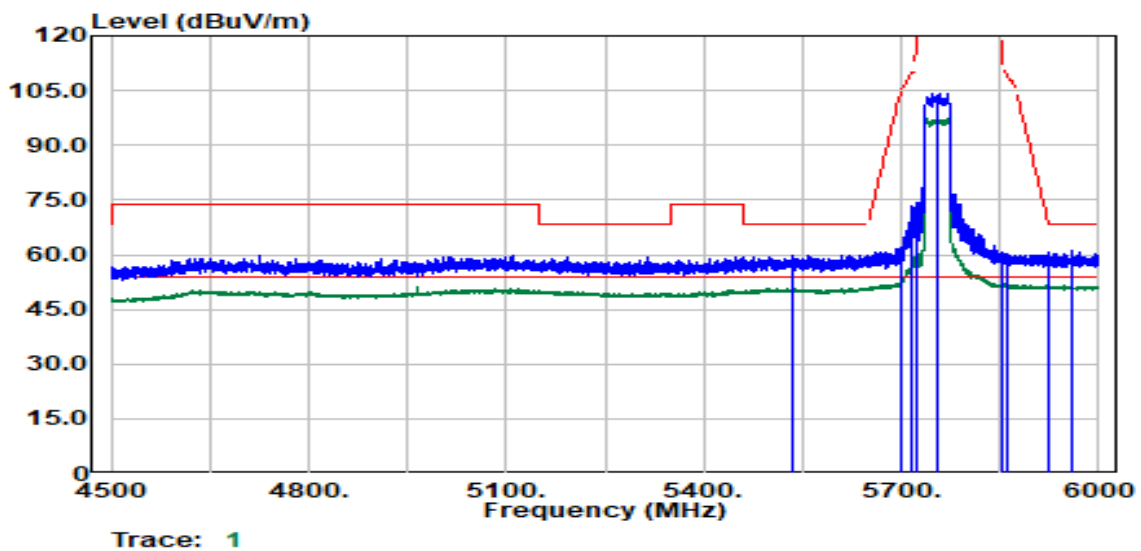
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5614.44 | Peak | 48.41 | 11.53 | 59.94 | 68.20 | -8.26 |
| 5689.20 | Peak | 47.32 | 12.06 | 59.39 | 97.23 | -37.85 |
| 5708.95 | Peak | 48.38 | 12.21 | 60.59 | 107.71 | -47.12 |
| 5723.45 | Peak | 48.19 | 12.29 | 60.48 | 118.68 | -58.20 |
| 5825.00 | Peak | 93.63 | 12.57 | 106.20 | -- | -- |
| 5825.00 | Average | 87.47 | 12.57 | 100.04 | -- | -- |
| 5852.23 | Peak | 59.93 | 12.47 | 72.39 | 117.12 | -44.73 |
| 5856.48 | Peak | 57.85 | 12.46 | 70.31 | 110.39 | -40.08 |
| 5876.23 | Peak | 50.66 | 12.41 | 63.07 | 104.29 | -41.22 |
| 5934.49 | Peak | 47.94 | 12.35 | 60.29 | 68.20 | -7.91 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



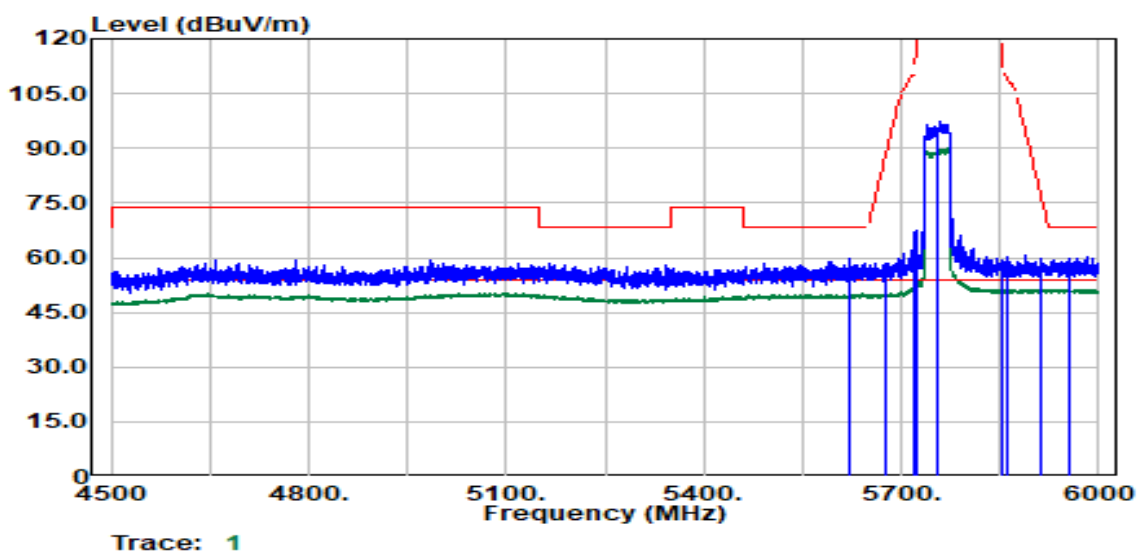
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5529.42 | Peak | 48.53 | 11.07 | 59.60 | 68.20 | -8.60 |
| 5655.44 | Peak | 46.72 | 11.76 | 58.47 | 72.24 | -13.77 |
| 5714.45 | Peak | 47.25 | 12.24 | 59.48 | 109.25 | -49.77 |
| 5720.20 | Peak | 46.58 | 12.27 | 58.84 | 111.26 | -52.42 |
| 5825.00 | Peak | 86.10 | 12.57 | 98.67 | -- | -- |
| 5825.00 | Average | 79.64 | 12.57 | 92.21 | -- | -- |
| 5851.48 | Peak | 52.40 | 12.47 | 64.87 | 118.84 | -53.97 |
| 5861.48 | Peak | 50.51 | 12.44 | 62.95 | 108.98 | -46.03 |
| 5916.74 | Peak | 48.04 | 12.36 | 60.39 | 74.29 | -13.90 |
| 5993.00 | Peak | 48.52 | 12.38 | 60.91 | 68.20 | -7.29 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



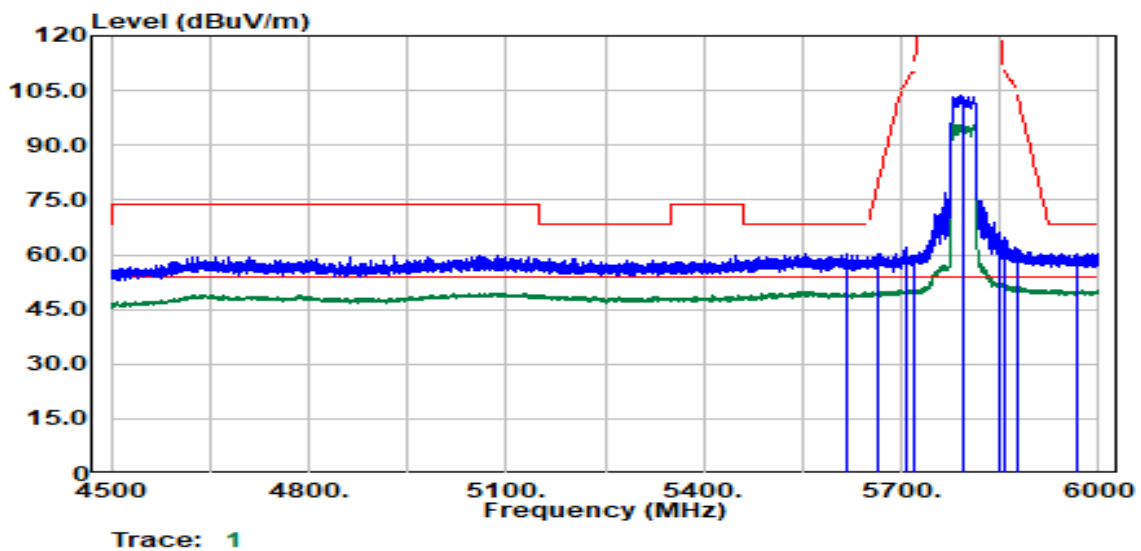
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5533.17 | Peak | 48.89 | 11.09 | 59.98 | 68.20 | -8.22 |
| 5698.70 | Peak | 49.71 | 12.15 | 61.86 | 104.24 | -42.38 |
| 5717.20 | Peak | 61.23 | 12.25 | 73.48 | 110.02 | -36.54 |
| 5722.20 | Peak | 61.94 | 12.28 | 74.22 | 115.83 | -41.61 |
| 5755.00 | Peak | 91.80 | 12.45 | 104.26 | -- | -- |
| 5755.00 | Average | 85.00 | 12.45 | 97.45 | -- | -- |
| 5851.73 | Peak | 48.11 | 12.47 | 60.58 | 118.27 | -57.69 |
| 5861.48 | Peak | 47.90 | 12.44 | 60.35 | 108.98 | -48.64 |
| 5923.99 | Peak | 48.46 | 12.36 | 60.81 | 68.95 | -8.13 |
| 5960.49 | Peak | 48.67 | 12.36 | 61.03 | 68.20 | -7.17 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



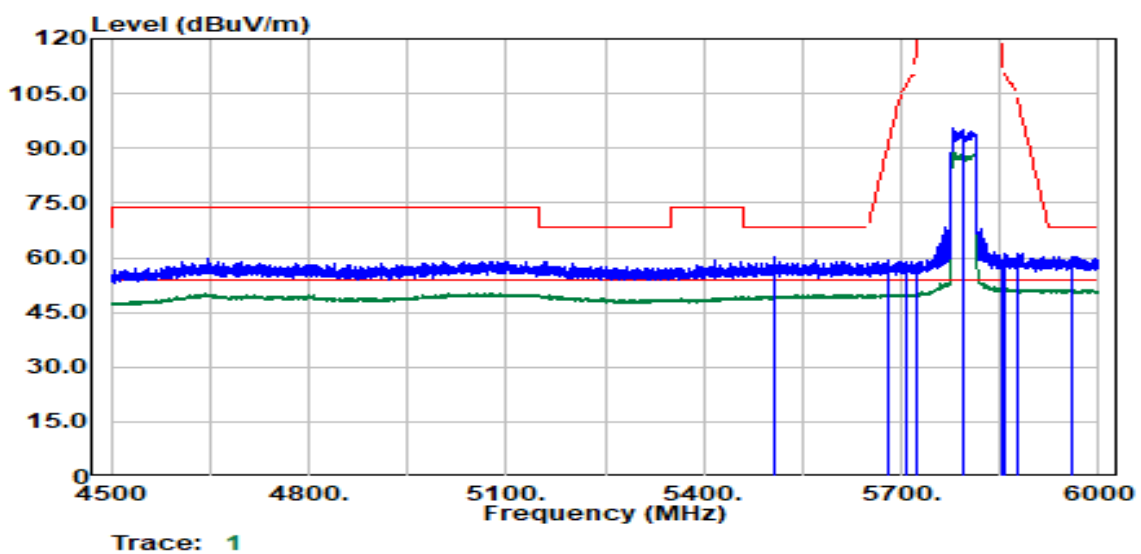
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5621.19 | Peak | 47.78 | 11.56 | 59.34 | 68.20 | -8.86 |
| 5676.95 | Peak | 47.11 | 11.95 | 59.06 | 88.18 | -29.12 |
| 5718.70 | Peak | 51.52 | 12.26 | 63.78 | 110.44 | -46.65 |
| 5721.70 | Peak | 55.73 | 12.28 | 68.01 | 114.69 | -46.68 |
| 5755.00 | Peak | 83.77 | 12.45 | 96.22 | -- | -- |
| 5755.00 | Average | 77.69 | 12.45 | 90.14 | -- | -- |
| 5853.48 | Peak | 47.43 | 12.46 | 59.89 | 114.27 | -54.38 |
| 5862.98 | Peak | 48.35 | 12.44 | 60.80 | 108.56 | -47.77 |
| 5911.99 | Peak | 47.98 | 12.36 | 60.33 | 77.80 | -17.47 |
| 5956.99 | Peak | 48.08 | 12.36 | 60.44 | 68.20 | -7.76 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5615.94 | Peak | 48.79 | 11.53 | 60.33 | 68.20 | -7.87 |
| 5665.44 | Peak | 48.41 | 11.85 | 60.26 | 79.66 | -19.41 |
| 5708.20 | Peak | 49.71 | 12.20 | 61.91 | 107.50 | -45.59 |
| 5720.70 | Peak | 47.16 | 12.27 | 59.43 | 112.41 | -52.97 |
| 5795.00 | Peak | 90.85 | 12.65 | 103.50 | -- | -- |
| 5795.00 | Average | 84.37 | 12.65 | 97.02 | -- | -- |
| 5850.00 | Peak | 53.45 | 12.47 | 65.92 | 122.20 | -56.28 |
| 5856.48 | Peak | 52.14 | 12.46 | 64.60 | 110.39 | -45.79 |
| 5878.23 | Peak | 49.15 | 12.41 | 61.55 | 102.80 | -41.25 |
| 5967.25 | Peak | 47.88 | 12.36 | 60.24 | 68.20 | -7.96 |

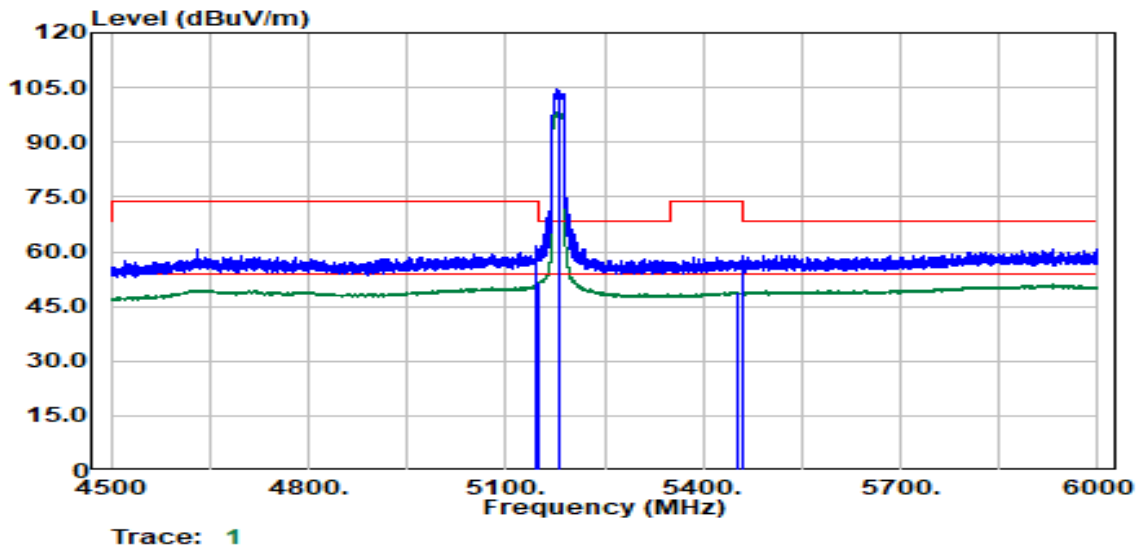
| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5506.42 | Peak | 49.24 | 10.94 | 60.17 | 68.20 | -8.03 |
| 5681.70 | Peak | 47.22 | 12.00 | 59.22 | 91.69 | -32.47 |
| 5709.20 | Peak | 46.76 | 12.21 | 58.97 | 107.78 | -48.80 |
| 5723.20 | Peak | 46.01 | 12.29 | 58.30 | 118.11 | -59.81 |
| 5795.00 | Peak | 82.70 | 12.65 | 95.34 | -- | -- |
| 5795.00 | Average | 76.49 | 12.65 | 89.13 | -- | -- |
| 5854.98 | Peak | 47.05 | 12.46 | 59.51 | 110.85 | -51.34 |
| 5855.98 | Peak | 48.53 | 12.46 | 60.99 | 110.53 | -49.54 |
| 5877.73 | Peak | 48.61 | 12.41 | 61.02 | 103.17 | -42.15 |
| 5959.99 | Peak | 47.98 | 12.36 | 60.33 | 68.20 | -7.87 |

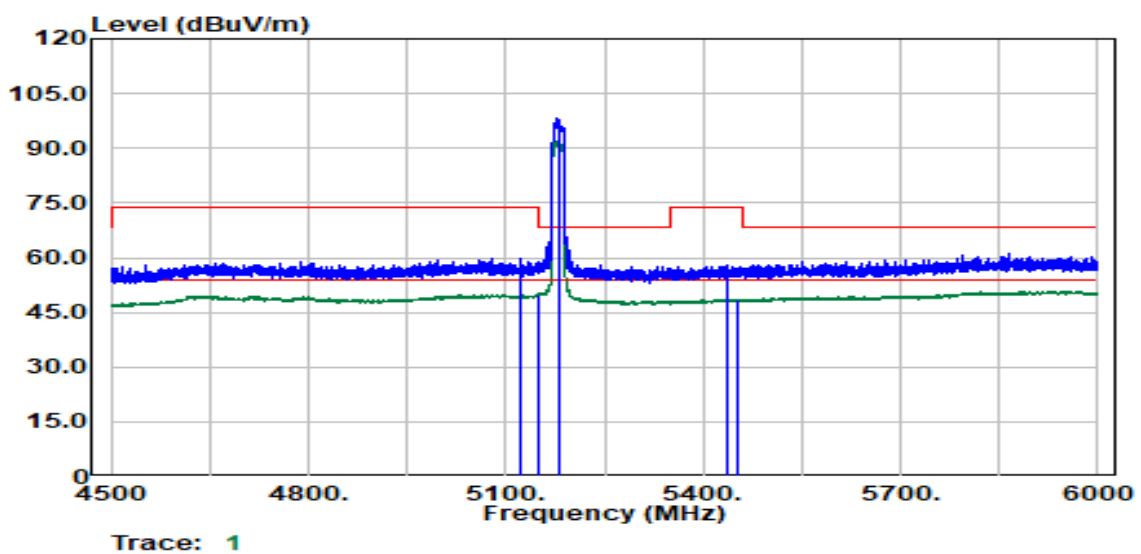
Band Edge Test Data: Test Mode: Mode 2 (PIFA Antenna)
Test Data for UNII-1

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



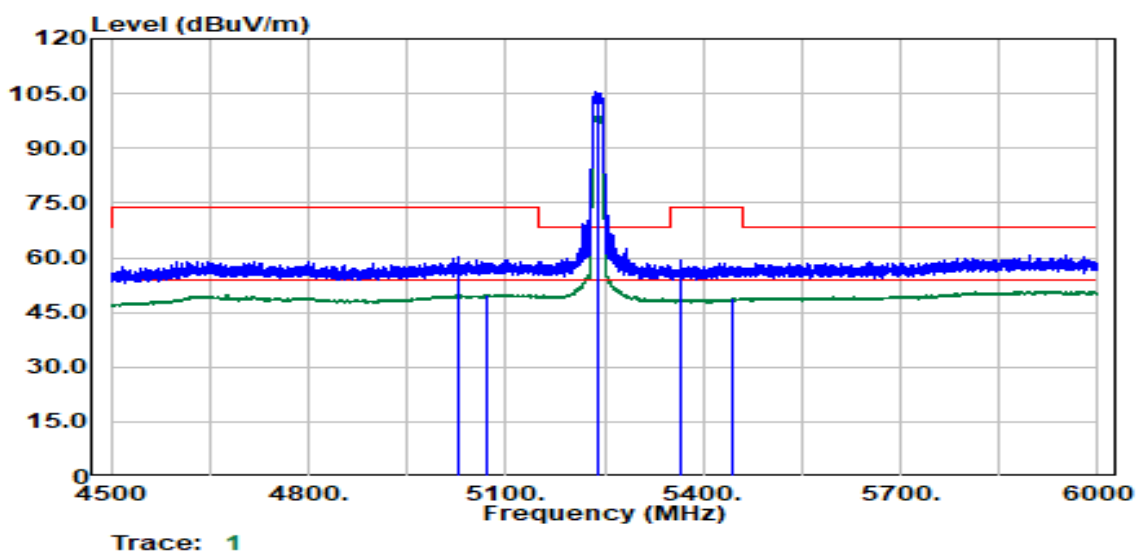
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5145.11 | Peak | 50.82 | 10.90 | 61.72 | 74.00 | -12.28 |
| 5150.11 | Average | 40.55 | 10.89 | 51.44 | 54.00 | -2.56 |
| 5180.00 | Peak | 93.70 | 10.81 | 104.50 | -- | -- |
| 5180.00 | Average | 87.56 | 10.81 | 98.37 | -- | -- |
| 5451.66 | Average | 38.07 | 10.85 | 48.92 | 54.00 | -5.08 |
| 5458.91 | Peak | 47.47 | 10.86 | 58.33 | 74.00 | -15.67 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



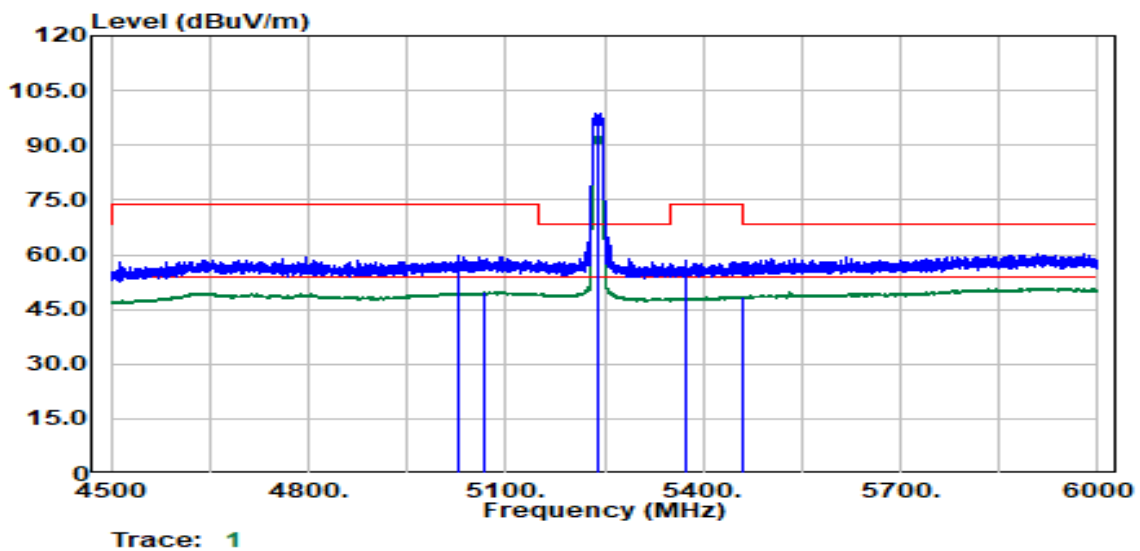
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5120.85 | Peak | 48.79 | 10.92 | 59.72 | 74.00 | -14.28 |
| 5147.86 | Average | 39.01 | 10.89 | 49.91 | 54.00 | -4.09 |
| 5180.00 | Peak | 87.42 | 10.81 | 98.23 | -- | -- |
| 5180.00 | Average | 80.98 | 10.81 | 91.79 | -- | -- |
| 5437.91 | Peak | 47.18 | 10.80 | 57.98 | 74.00 | -16.02 |
| 5450.41 | Average | 37.83 | 10.85 | 48.68 | 54.00 | -5.32 |

| | | | |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



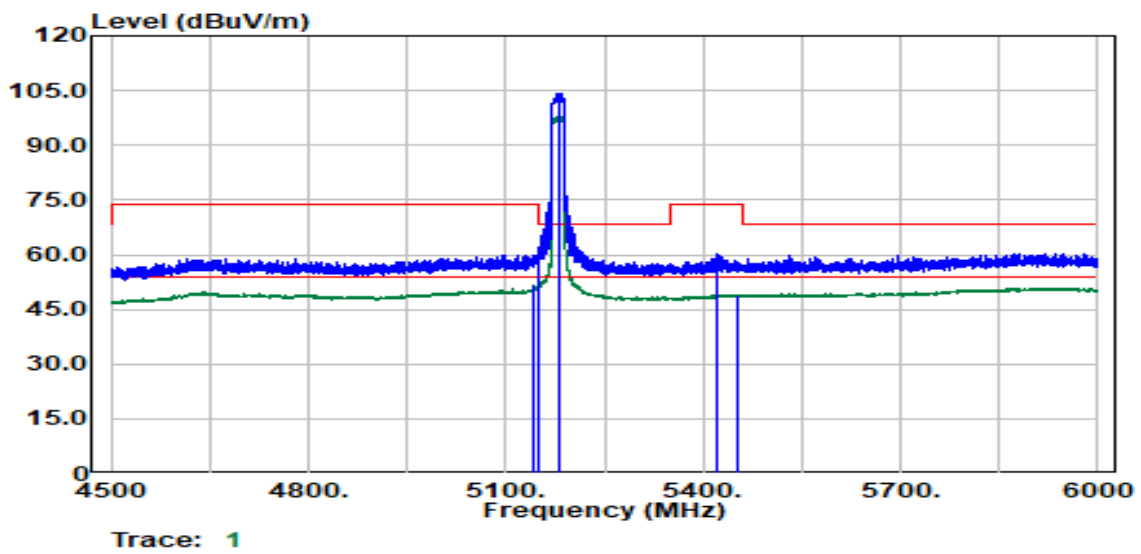
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5029.84 | Peak | 49.38 | 10.86 | 60.24 | 74.00 | -13.76 |
| 5072.35 | Average | 38.98 | 10.91 | 49.89 | 54.00 | -4.11 |
| 5240.00 | Peak | 95.01 | 10.68 | 105.68 | -- | -- |
| 5240.00 | Average | 88.22 | 10.68 | 98.90 | -- | -- |
| 5367.15 | Peak | 48.55 | 10.72 | 59.26 | 74.00 | -14.74 |
| 5444.16 | Average | 37.97 | 10.82 | 48.79 | 54.00 | -5.21 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



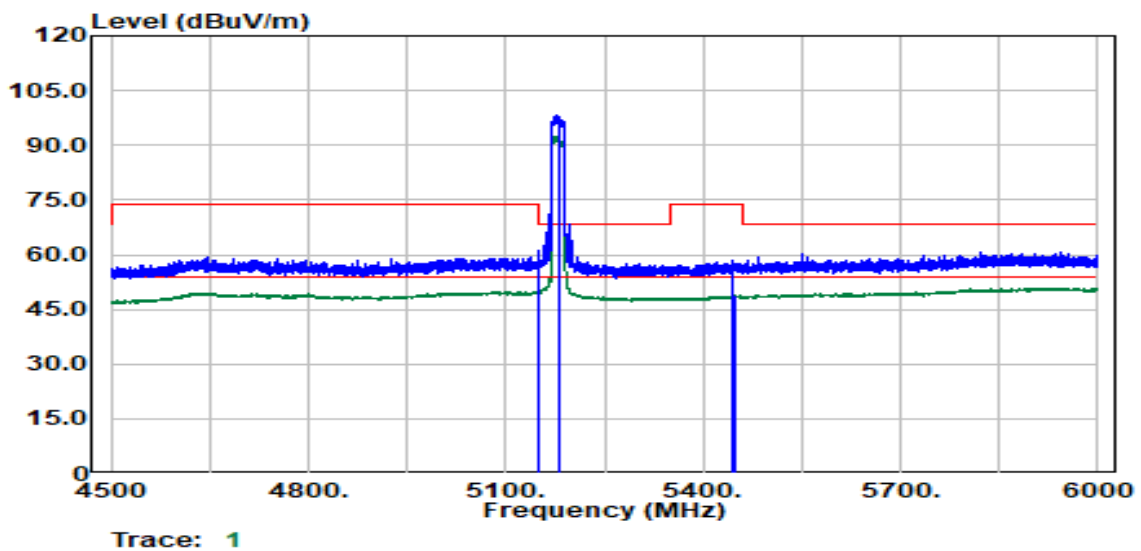
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5026.84 | Peak | 49.07 | 10.86 | 59.93 | 74.00 | -14.07 |
| 5065.34 | Average | 38.87 | 10.90 | 49.77 | 54.00 | -4.23 |
| 5240.00 | Peak | 88.04 | 10.68 | 98.72 | -- | -- |
| 5240.00 | Average | 81.74 | 10.68 | 92.42 | -- | -- |
| 5375.40 | Peak | 47.58 | 10.69 | 58.27 | 74.00 | -15.73 |
| 5459.16 | Average | 37.78 | 10.86 | 48.64 | 54.00 | -5.36 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



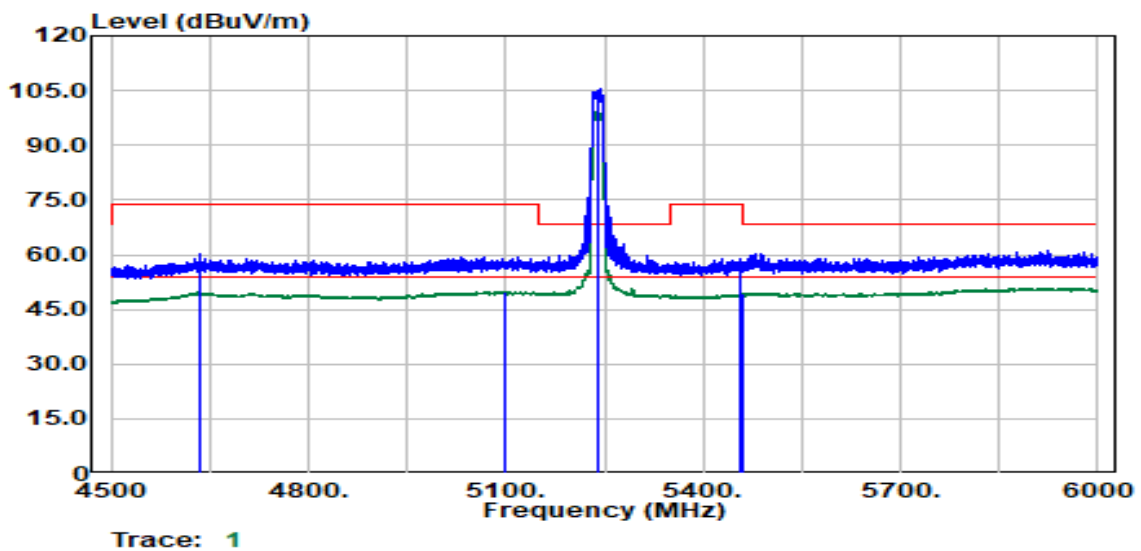
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5142.11 | Average | 40.85 | 10.90 | 51.75 | 54.00 | -2.25 |
| 5147.86 | Peak | 49.61 | 10.89 | 60.50 | 74.00 | -13.50 |
| 5180.00 | Peak | 93.44 | 10.81 | 104.25 | -- | -- |
| 5180.00 | Average | 87.05 | 10.81 | 97.85 | -- | -- |
| 5419.90 | Peak | 49.33 | 10.72 | 60.04 | 74.00 | -13.96 |
| 5454.16 | Average | 38.20 | 10.85 | 49.05 | 54.00 | -4.95 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



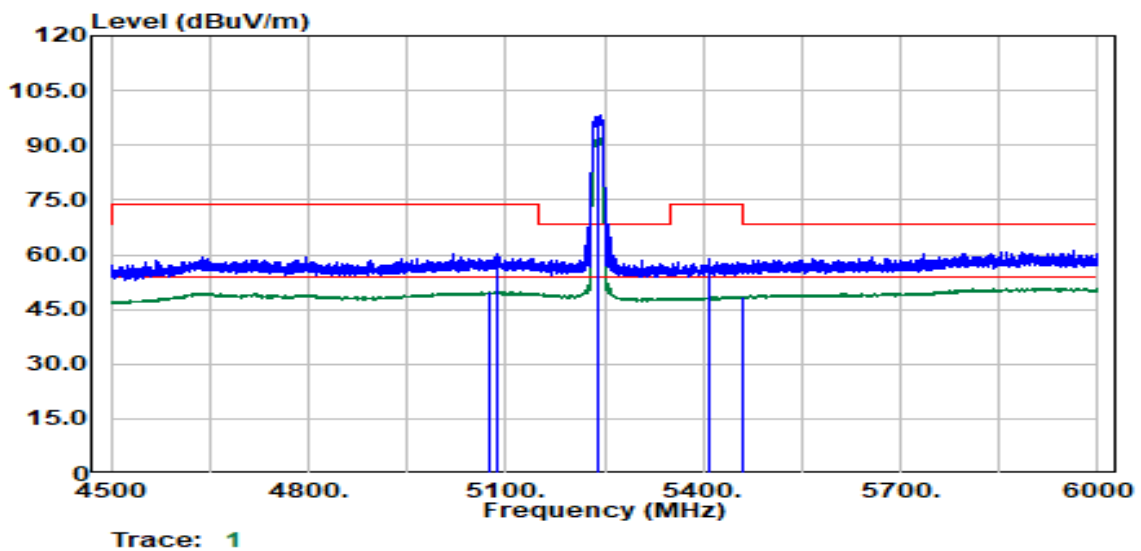
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5149.36 | Peak | 50.39 | 10.89 | 61.28 | 74.00 | -12.72 |
| 5149.61 | Average | 39.25 | 10.89 | 50.14 | 54.00 | -3.86 |
| 5180.00 | Peak | 87.36 | 10.81 | 98.17 | -- | -- |
| 5180.00 | Average | 81.40 | 10.81 | 92.21 | -- | -- |
| 5445.66 | Peak | 47.74 | 10.83 | 58.57 | 74.00 | -15.43 |
| 5449.91 | Average | 38.01 | 10.85 | 48.86 | 54.00 | -5.14 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



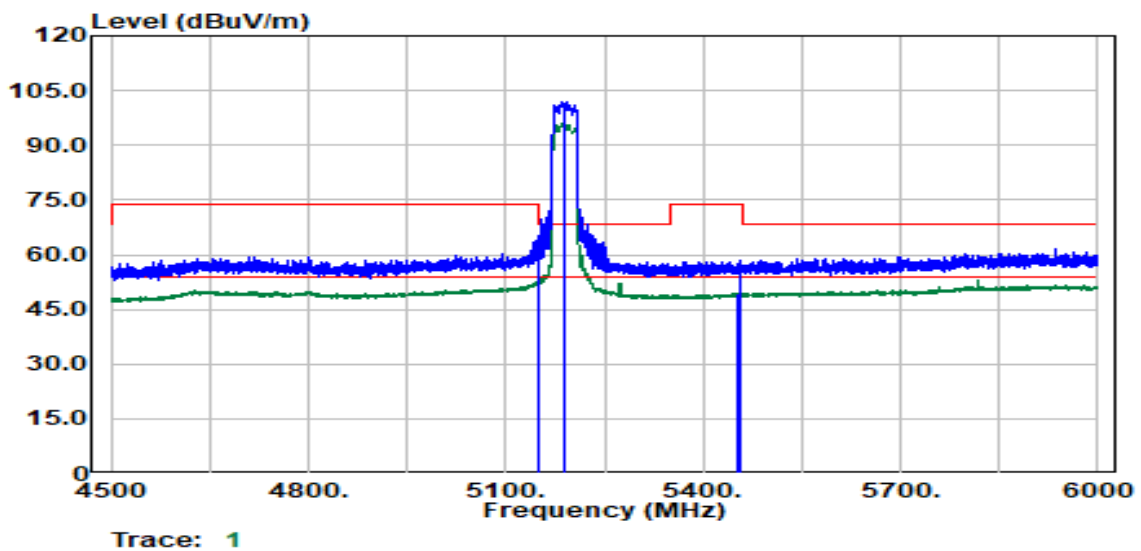
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4635.02 | Peak | 49.79 | 10.30 | 60.09 | 74.00 | -13.91 |
| 5097.10 | Average | 38.88 | 10.95 | 49.83 | 54.00 | -4.17 |
| 5240.00 | Peak | 94.61 | 10.68 | 105.29 | -- | -- |
| 5240.00 | Average | 88.29 | 10.68 | 98.96 | -- | -- |
| 5458.16 | Peak | 48.14 | 10.86 | 59.00 | 74.00 | -15.00 |
| 5459.91 | Average | 38.29 | 10.86 | 49.15 | 54.00 | -4.85 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



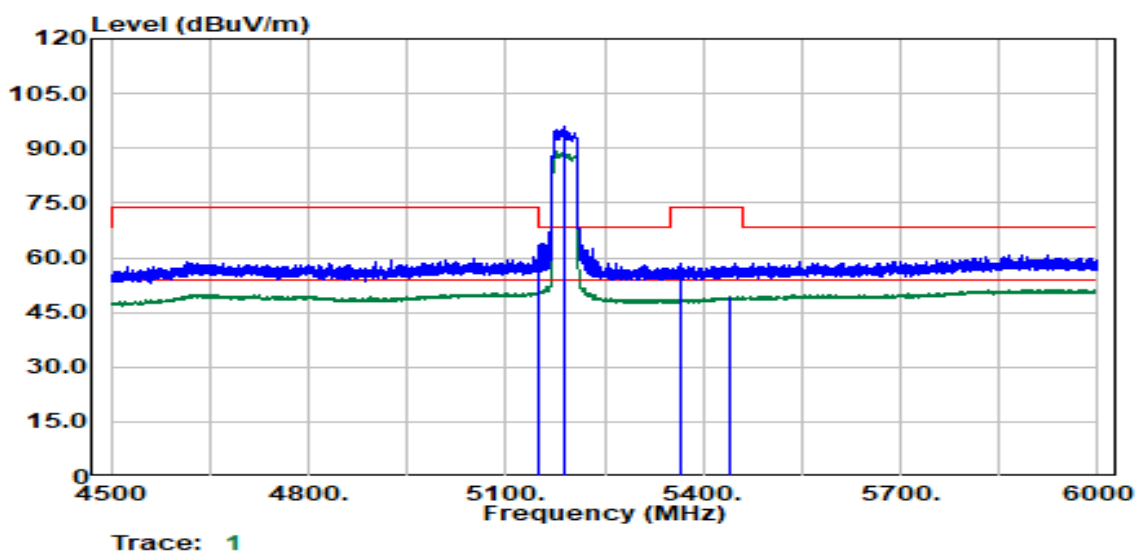
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5075.10 | Average | 38.83 | 10.92 | 49.74 | 54.00 | -4.26 |
| 5085.10 | Peak | 49.47 | 10.93 | 60.40 | 74.00 | -13.60 |
| 5240.00 | Peak | 87.60 | 10.68 | 98.27 | -- | -- |
| 5240.00 | Average | 81.14 | 10.68 | 91.82 | -- | -- |
| 5410.40 | Peak | 47.98 | 10.68 | 58.65 | 74.00 | -15.35 |
| 5459.91 | Average | 37.78 | 10.86 | 48.64 | 54.00 | -5.36 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



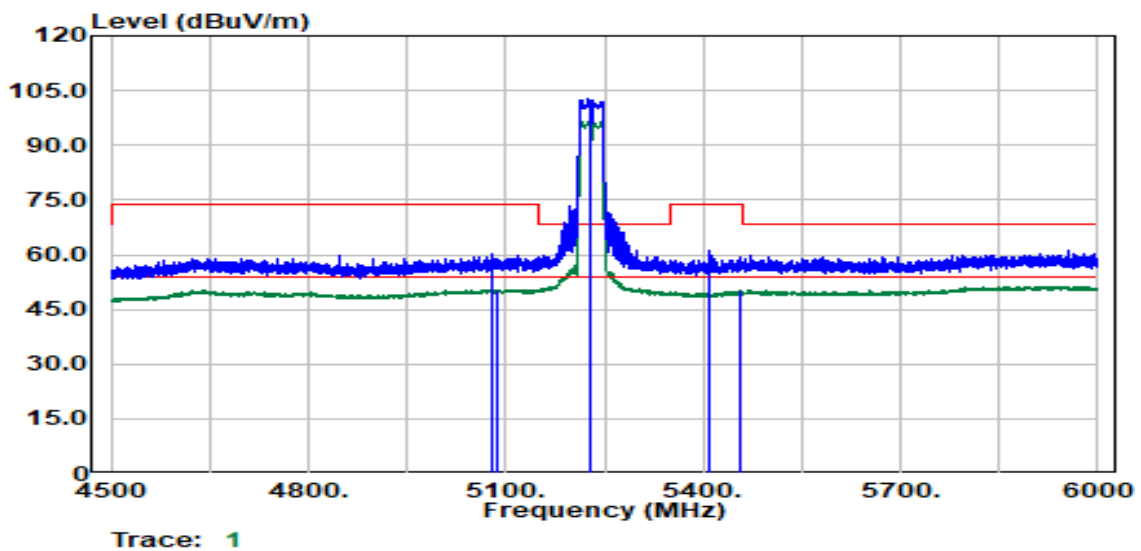
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5148.86 | Average | 41.69 | 10.89 | 52.58 | 54.00 | -1.42 |
| 5149.86 | Peak | 54.15 | 10.89 | 65.04 | 74.00 | -8.96 |
| 5190.00 | Peak | 91.27 | 10.78 | 102.05 | -- | -- |
| 5190.00 | Average | 85.07 | 10.78 | 95.85 | -- | -- |
| 5451.41 | Average | 38.41 | 10.85 | 49.26 | 54.00 | -4.74 |
| 5454.91 | Peak | 47.42 | 10.85 | 58.27 | 74.00 | -15.73 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



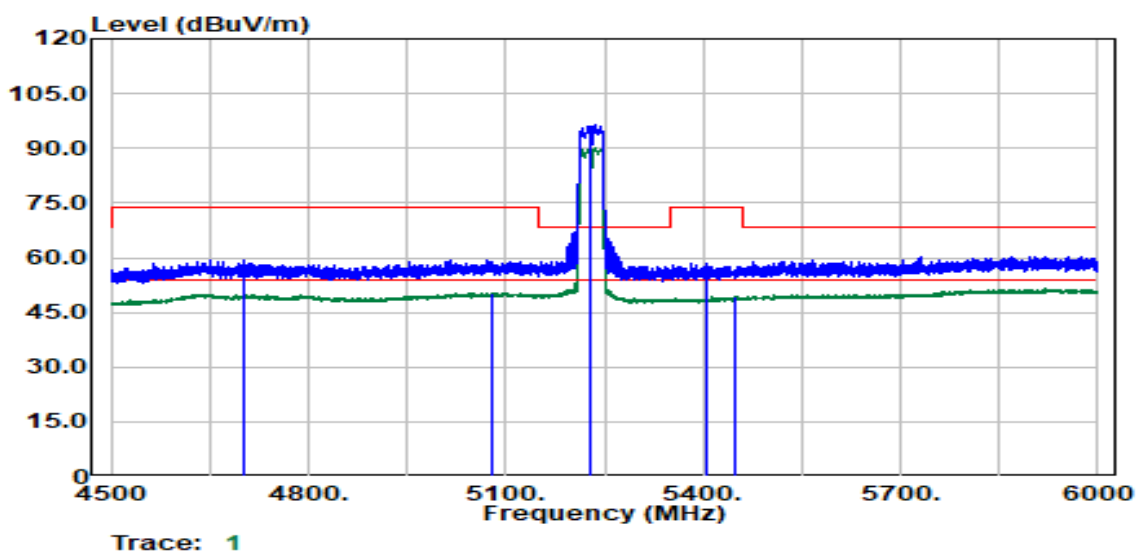
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5148.11 | Average | 39.78 | 10.89 | 50.67 | 54.00 | -3.33 |
| 5149.61 | Peak | 52.37 | 10.89 | 63.26 | 74.00 | -10.74 |
| 5190.00 | Peak | 85.59 | 10.78 | 96.37 | -- | -- |
| 5190.00 | Average | 79.73 | 10.78 | 90.51 | -- | -- |
| 5365.64 | Peak | 47.67 | 10.72 | 58.39 | 74.00 | -15.61 |
| 5439.91 | Average | 38.50 | 10.81 | 49.31 | 54.00 | -4.69 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5078.10 | Peak | 49.32 | 10.92 | 60.24 | 74.00 | -13.76 |
| 5087.85 | Average | 39.49 | 10.93 | 50.42 | 54.00 | -3.58 |
| 5230.00 | Peak | 92.21 | 10.70 | 102.91 | -- | -- |
| 5230.00 | Average | 85.96 | 10.70 | 96.65 | -- | -- |
| 5407.65 | Peak | 50.58 | 10.66 | 61.24 | 74.00 | -12.76 |
| 5457.16 | Average | 39.21 | 10.86 | 50.07 | 54.00 | -3.93 |

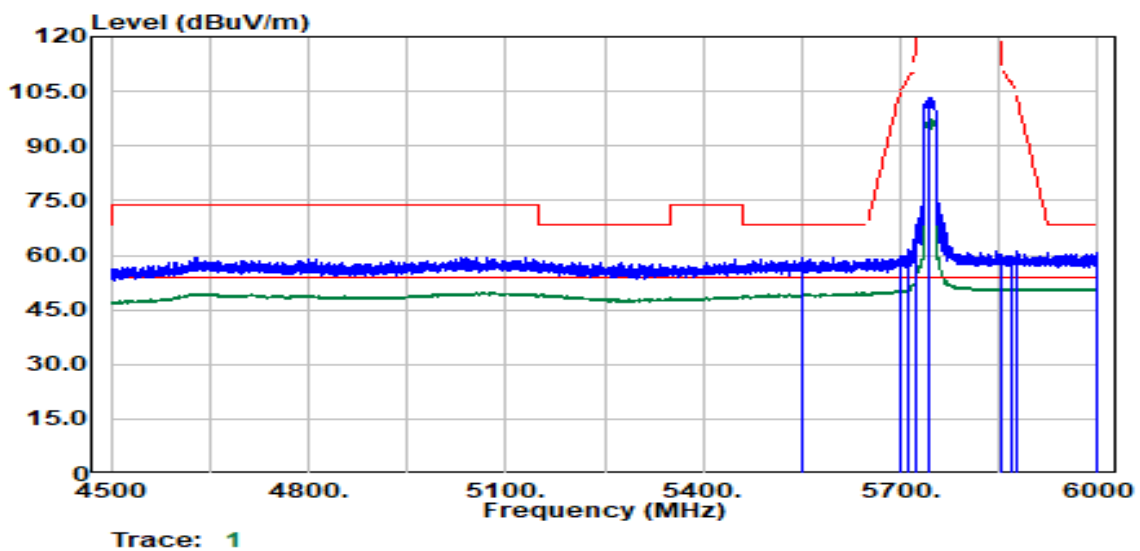
| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 4700.53 | Peak | 49.24 | 10.27 | 59.51 | 74.00 | -14.49 |
| 5079.60 | Average | 39.43 | 10.92 | 50.35 | 54.00 | -3.65 |
| 5230.00 | Peak | 85.72 | 10.70 | 96.41 | -- | -- |
| 5230.00 | Average | 79.28 | 10.70 | 89.98 | -- | -- |
| 5404.65 | Peak | 47.83 | 10.65 | 58.48 | 74.00 | -15.52 |
| 5449.16 | Average | 38.43 | 10.85 | 49.28 | 54.00 | -4.72 |

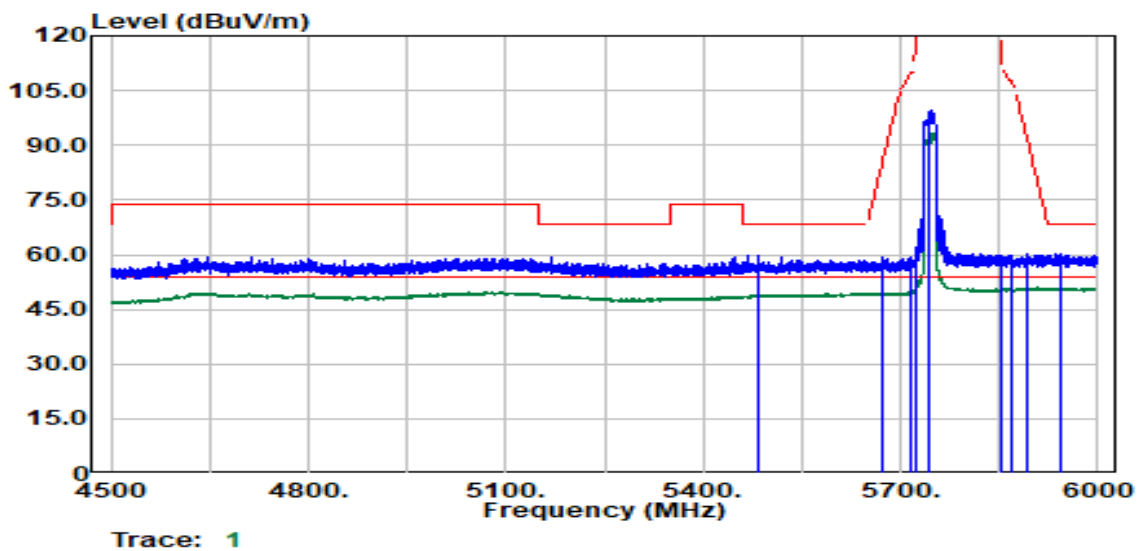
Test Data for UNII-3

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



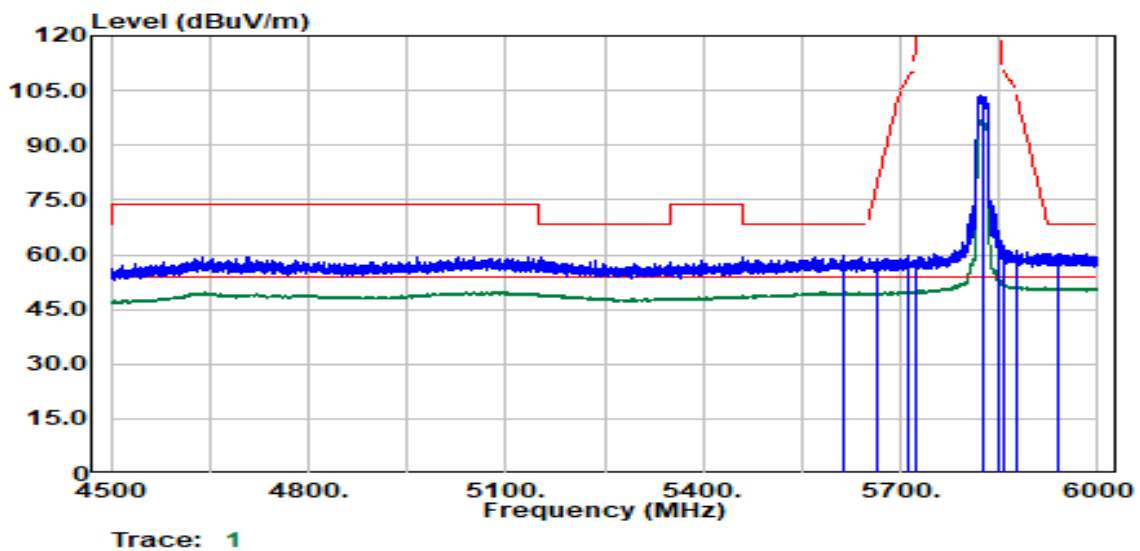
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5551.93 | Peak | 48.14 | 11.20 | 59.34 | 68.20 | -8.86 |
| 5698.20 | Peak | 47.31 | 12.14 | 59.46 | 103.87 | -44.42 |
| 5712.20 | Peak | 49.53 | 12.23 | 61.76 | 108.62 | -46.86 |
| 5723.95 | Peak | 55.93 | 12.29 | 68.22 | 119.82 | -51.60 |
| 5745.00 | Peak | 91.03 | 12.40 | 103.43 | -- | -- |
| 5745.00 | Average | 85.02 | 12.40 | 97.43 | -- | -- |
| 5851.98 | Peak | 47.62 | 12.47 | 60.09 | 117.70 | -57.61 |
| 5869.73 | Peak | 47.47 | 12.43 | 59.90 | 106.67 | -46.77 |
| 5877.48 | Peak | 48.59 | 12.41 | 61.00 | 103.36 | -42.36 |
| 5997.50 | Peak | 48.34 | 12.39 | 60.72 | 68.20 | -7.48 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



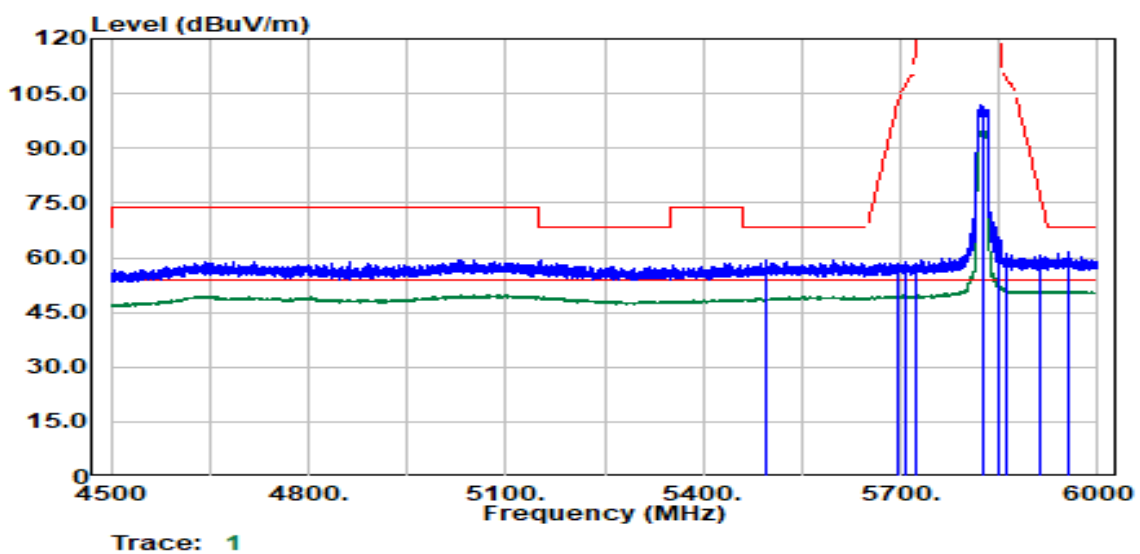
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5485.41 | Peak | 48.97 | 10.89 | 59.85 | 68.20 | -8.35 |
| 5673.20 | Peak | 47.47 | 11.92 | 59.39 | 85.41 | -26.01 |
| 5715.20 | Peak | 46.86 | 12.24 | 59.10 | 109.46 | -50.36 |
| 5724.20 | Peak | 49.61 | 12.29 | 61.90 | 120.39 | -58.48 |
| 5745.00 | Peak | 87.26 | 12.40 | 99.66 | -- | -- |
| 5745.00 | Average | 80.76 | 12.40 | 93.16 | -- | -- |
| 5854.48 | Peak | 47.19 | 12.46 | 59.65 | 111.99 | -52.34 |
| 5870.48 | Peak | 47.50 | 12.42 | 59.92 | 106.46 | -46.54 |
| 5893.23 | Peak | 47.65 | 12.37 | 60.02 | 91.67 | -31.65 |
| 5943.99 | Peak | 47.90 | 12.35 | 60.25 | 68.20 | -7.95 |

| | | | |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



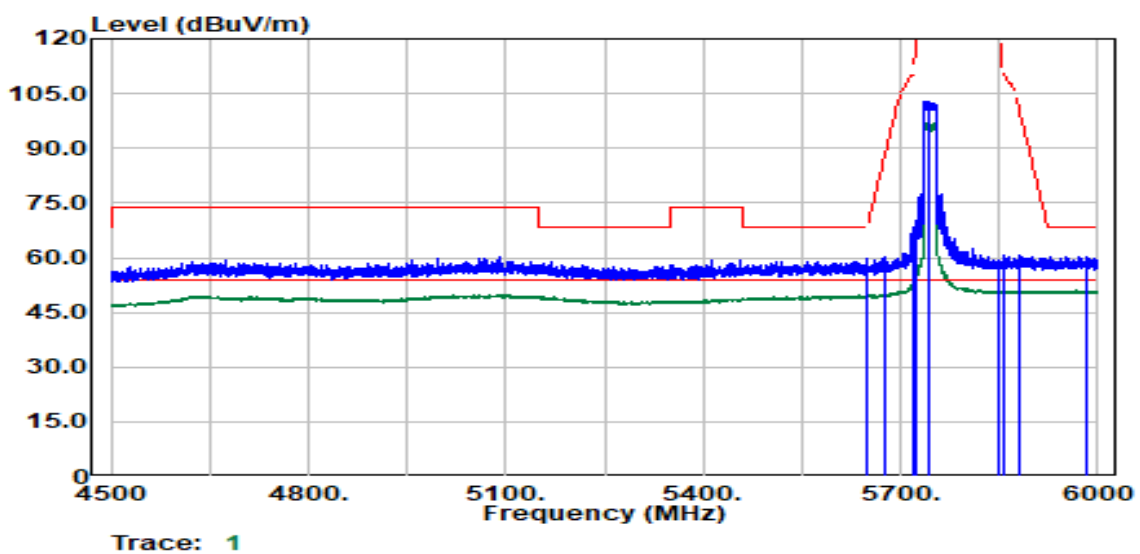
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5615.19 | Peak | 48.28 | 11.53 | 59.81 | 68.20 | -8.39 |
| 5665.19 | Peak | 47.18 | 11.85 | 59.02 | 79.48 | -20.45 |
| 5709.95 | Peak | 47.53 | 12.21 | 59.75 | 107.99 | -48.24 |
| 5722.95 | Peak | 46.33 | 12.28 | 58.62 | 117.54 | -58.92 |
| 5825.00 | Peak | 91.24 | 12.57 | 103.81 | -- | -- |
| 5825.00 | Average | 84.82 | 12.57 | 97.39 | -- | -- |
| 5850.48 | Peak | 53.90 | 12.47 | 66.36 | 121.12 | -54.75 |
| 5856.23 | Peak | 49.82 | 12.46 | 62.27 | 110.46 | -48.18 |
| 5876.73 | Peak | 48.62 | 12.41 | 61.03 | 103.91 | -42.89 |
| 5940.24 | Peak | 48.09 | 12.35 | 60.44 | 68.20 | -7.76 |

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



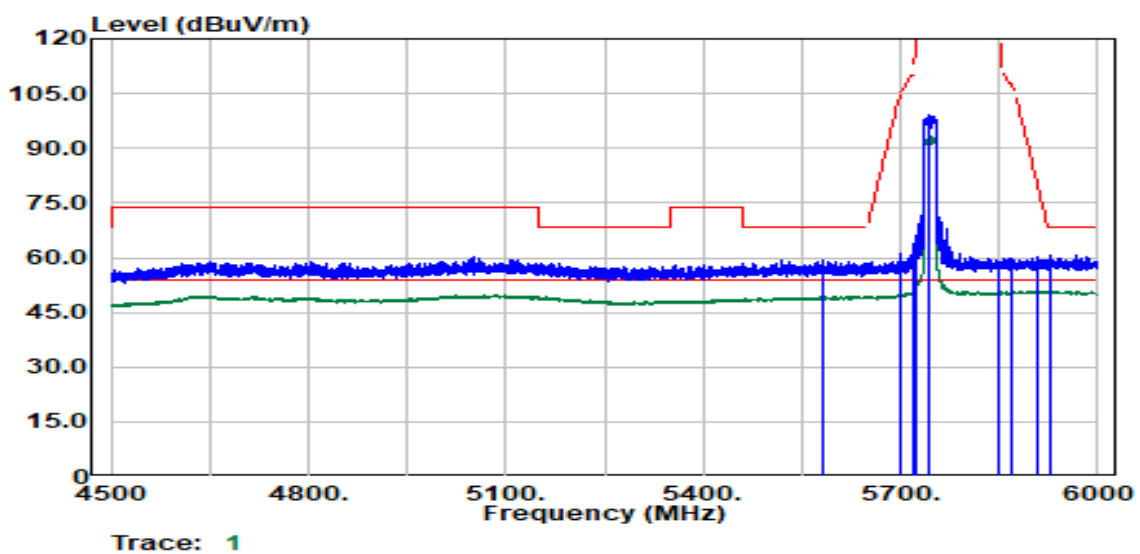
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5496.17 | Peak | 48.34 | 10.90 | 59.23 | 68.20 | -8.97 |
| 5696.45 | Peak | 46.45 | 12.13 | 58.58 | 102.58 | -44.00 |
| 5708.45 | Peak | 46.71 | 12.21 | 58.91 | 107.57 | -48.65 |
| 5723.20 | Peak | 46.18 | 12.29 | 58.47 | 118.11 | -59.64 |
| 5825.00 | Peak | 88.18 | 12.57 | 100.75 | -- | -- |
| 5825.00 | Average | 81.13 | 12.57 | 93.70 | -- | -- |
| 5850.23 | Peak | 53.32 | 12.47 | 65.79 | 121.69 | -55.90 |
| 5861.48 | Peak | 48.46 | 12.44 | 60.91 | 108.98 | -48.08 |
| 5910.49 | Peak | 48.32 | 12.36 | 60.68 | 78.91 | -18.23 |
| 5956.74 | Peak | 49.26 | 12.36 | 61.61 | 68.20 | -6.59 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



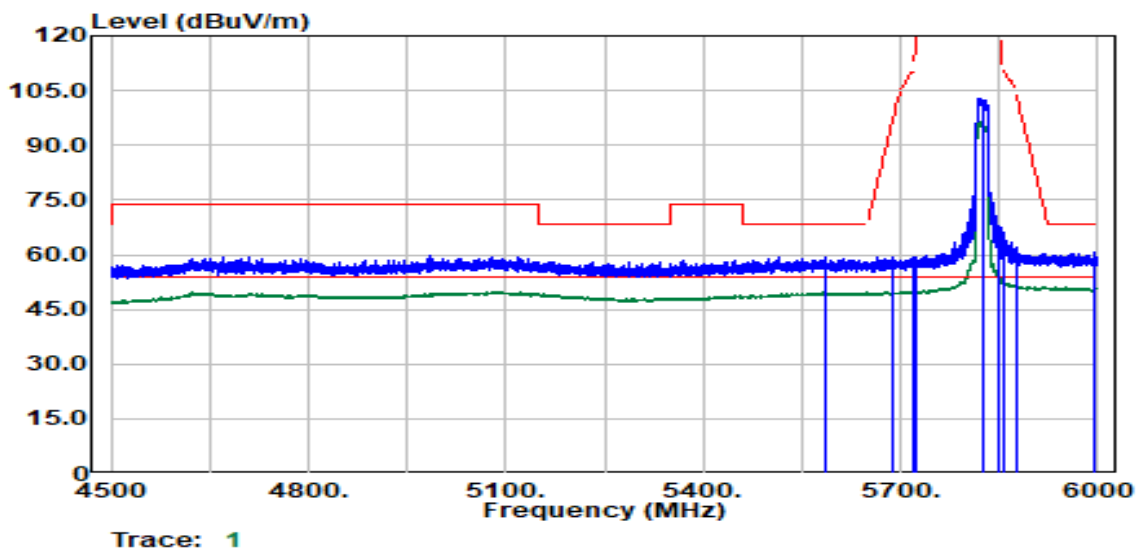
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5649.94 | Peak | 48.01 | 11.71 | 59.72 | 68.20 | -8.48 |
| 5677.70 | Peak | 48.38 | 11.96 | 60.34 | 88.74 | -28.40 |
| 5718.70 | Peak | 55.98 | 12.26 | 68.24 | 110.44 | -42.20 |
| 5722.95 | Peak | 56.59 | 12.28 | 68.87 | 117.54 | -48.66 |
| 5745.00 | Peak | 90.38 | 12.40 | 102.78 | -- | -- |
| 5745.00 | Average | 84.68 | 12.40 | 97.09 | -- | -- |
| 5850.00 | Peak | 47.08 | 12.47 | 59.55 | 122.20 | -62.65 |
| 5856.48 | Peak | 48.06 | 12.46 | 60.51 | 110.39 | -49.87 |
| 5878.98 | Peak | 48.38 | 12.41 | 60.79 | 102.24 | -41.45 |
| 5982.75 | Peak | 48.03 | 12.38 | 60.41 | 68.20 | -7.79 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 25.5(°C) / 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



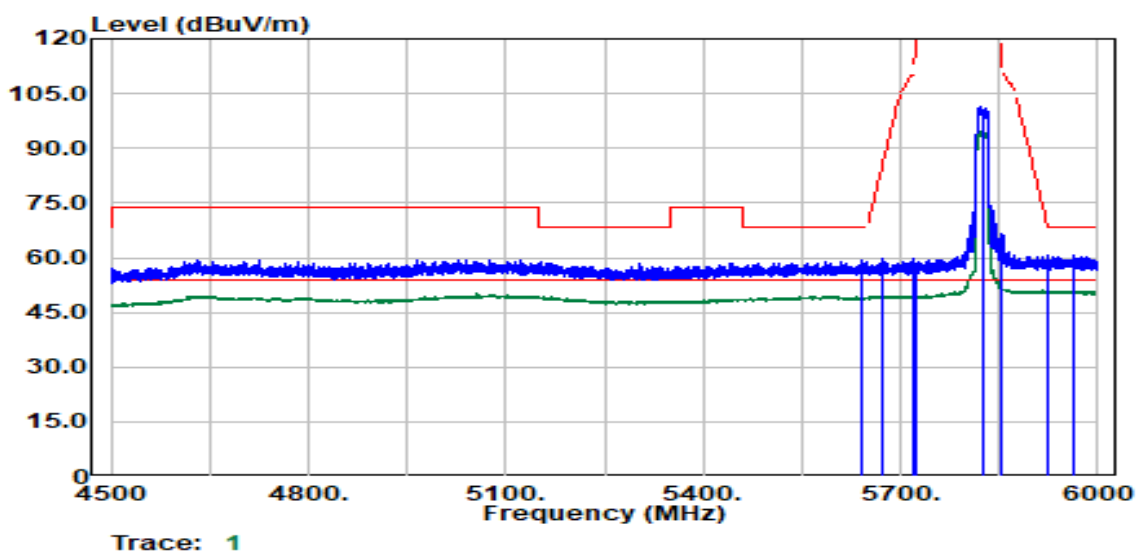
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5583.93 | Peak | 47.90 | 11.37 | 59.27 | 68.20 | -8.93 |
| 5699.20 | Peak | 47.88 | 12.15 | 60.04 | 104.61 | -44.57 |
| 5717.70 | Peak | 49.12 | 12.26 | 61.37 | 110.16 | -48.79 |
| 5722.95 | Peak | 52.22 | 12.28 | 64.50 | 117.54 | -53.04 |
| 5745.00 | Peak | 86.86 | 12.40 | 99.26 | -- | -- |
| 5745.00 | Average | 80.76 | 12.40 | 93.16 | -- | -- |
| 5850.48 | Peak | 46.44 | 12.47 | 58.91 | 121.12 | -62.21 |
| 5869.23 | Peak | 47.53 | 12.43 | 59.95 | 106.81 | -46.86 |
| 5907.99 | Peak | 47.74 | 12.36 | 60.10 | 80.76 | -20.66 |
| 5927.74 | Peak | 48.23 | 12.35 | 60.58 | 68.20 | -7.62 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



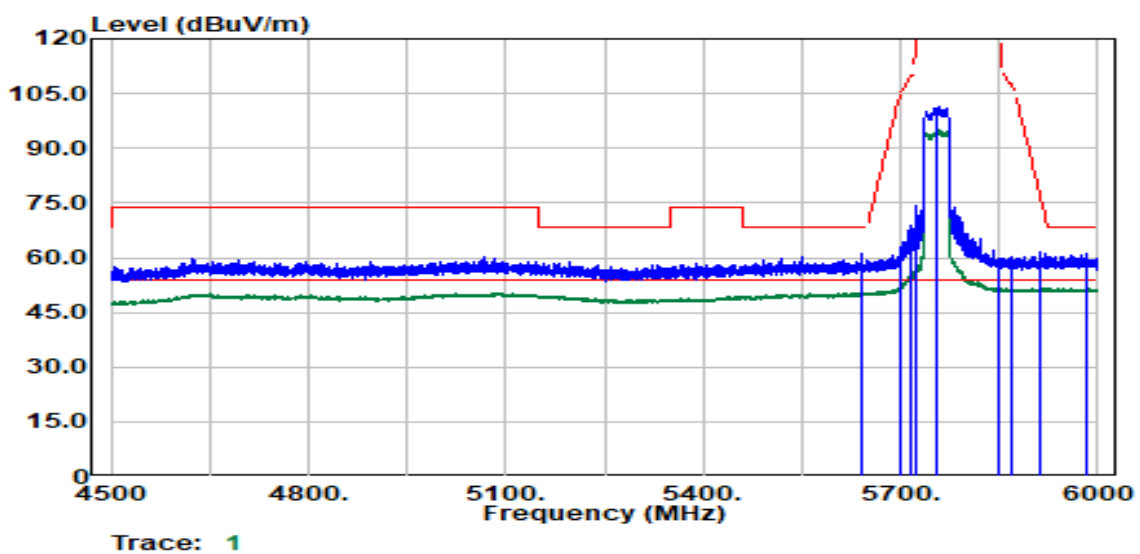
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5586.93 | Peak | 47.93 | 11.38 | 59.32 | 68.20 | -8.88 |
| 5689.45 | Peak | 47.47 | 12.07 | 59.54 | 97.42 | -37.88 |
| 5717.70 | Peak | 47.12 | 12.26 | 59.37 | 110.16 | -50.79 |
| 5723.45 | Peak | 47.15 | 12.29 | 59.44 | 118.68 | -59.24 |
| 5825.00 | Peak | 90.43 | 12.57 | 103.00 | -- | -- |
| 5825.00 | Average | 84.35 | 12.57 | 96.92 | -- | -- |
| 5850.00 | Peak | 55.62 | 12.47 | 68.09 | 122.20 | -54.11 |
| 5856.23 | Peak | 53.62 | 12.46 | 66.07 | 110.46 | -44.38 |
| 5876.98 | Peak | 49.45 | 12.41 | 61.86 | 103.73 | -41.87 |
| 5994.50 | Peak | 48.11 | 12.39 | 60.50 | 68.20 | -7.70 |

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 25.5(°C)/ 62%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



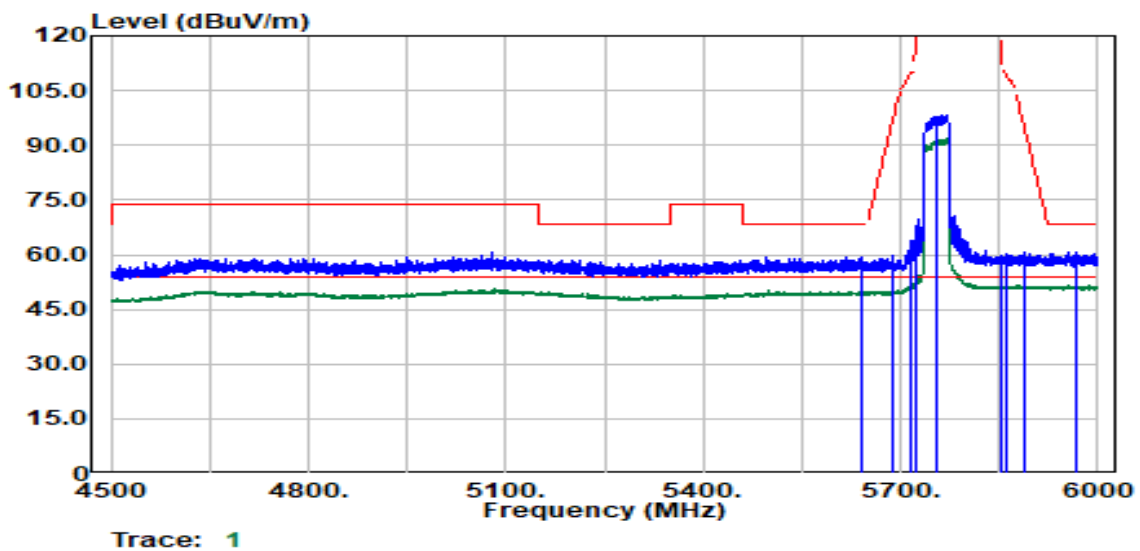
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5639.44 | Peak | 47.62 | 11.66 | 59.28 | 68.20 | -8.92 |
| 5672.45 | Peak | 47.77 | 11.91 | 59.68 | 84.85 | -25.16 |
| 5719.20 | Peak | 47.65 | 12.26 | 59.91 | 110.58 | -50.67 |
| 5722.70 | Peak | 45.99 | 12.28 | 58.28 | 116.97 | -58.69 |
| 5825.00 | Peak | 87.65 | 12.57 | 100.22 | -- | -- |
| 5825.00 | Average | 81.25 | 12.57 | 93.82 | -- | -- |
| 5854.98 | Peak | 54.12 | 12.46 | 66.58 | 110.85 | -44.27 |
| 5854.98 | Peak | 54.12 | 12.46 | 66.58 | 110.86 | -44.27 |
| 5921.99 | Peak | 48.27 | 12.36 | 60.62 | 70.42 | -9.80 |
| 5962.49 | Peak | 48.33 | 12.36 | 60.69 | 68.20 | -7.51 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



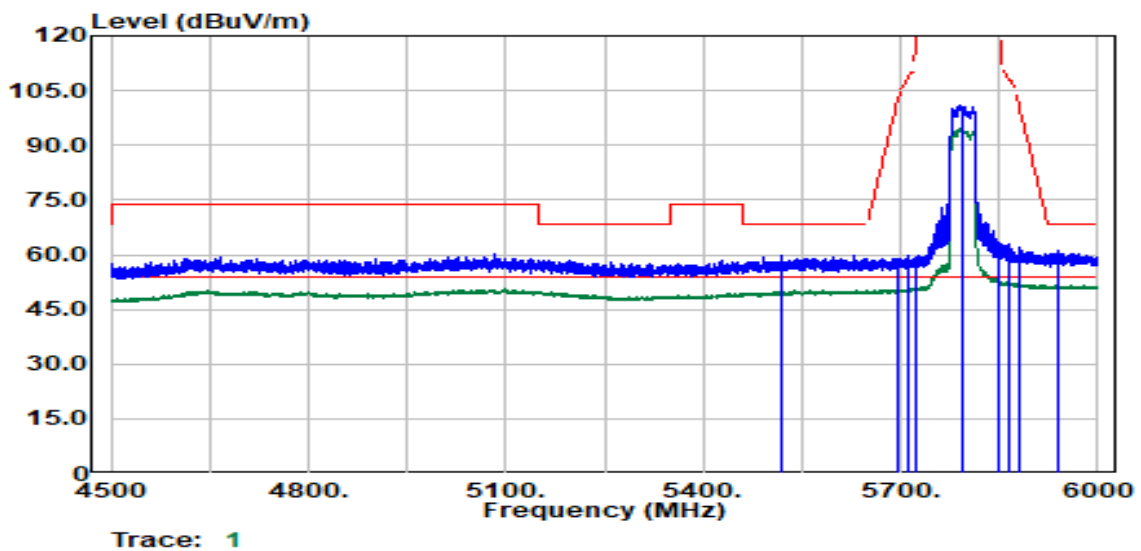
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5640.94 | Peak | 49.58 | 11.66 | 61.24 | 68.20 | -6.96 |
| 5698.95 | Peak | 50.02 | 12.15 | 62.17 | 104.43 | -42.26 |
| 5716.95 | Peak | 56.79 | 12.25 | 69.04 | 109.95 | -40.91 |
| 5724.95 | Peak | 62.10 | 12.29 | 74.39 | 122.10 | -47.70 |
| 5755.00 | Peak | 88.81 | 12.45 | 101.26 | -- | -- |
| 5755.00 | Average | 82.56 | 12.45 | 95.01 | -- | -- |
| 5850.73 | Peak | 47.31 | 12.47 | 59.78 | 120.55 | -60.77 |
| 5868.98 | Peak | 47.61 | 12.43 | 60.04 | 106.88 | -46.85 |
| 5913.74 | Peak | 49.27 | 12.36 | 61.63 | 76.51 | -14.88 |
| 5983.25 | Peak | 48.55 | 12.38 | 60.92 | 68.20 | -7.28 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



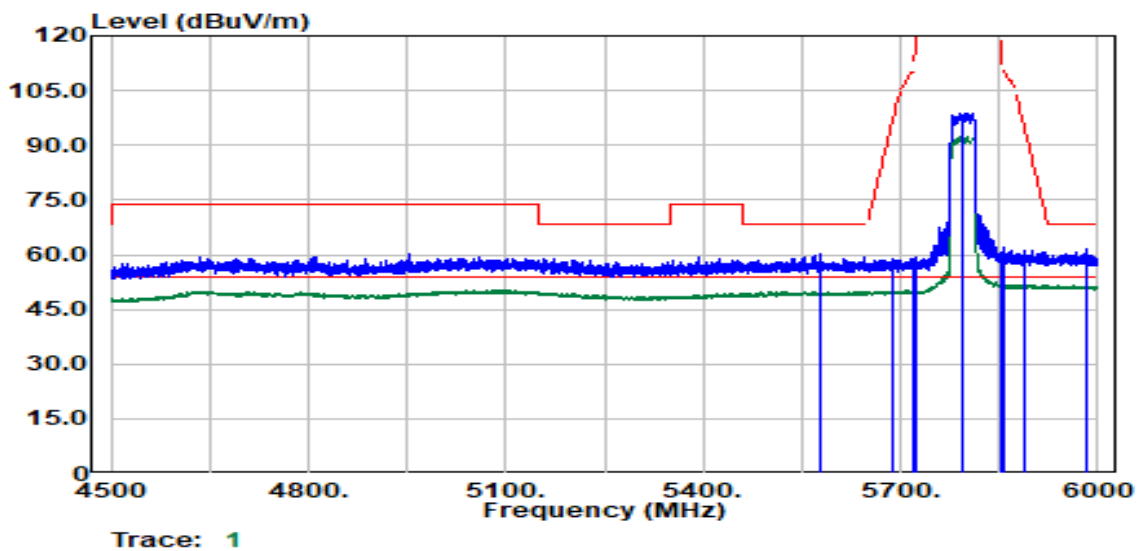
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5642.94 | Peak | 47.74 | 11.67 | 59.41 | 68.20 | -8.79 |
| 5686.70 | Peak | 47.56 | 12.04 | 59.60 | 95.39 | -35.79 |
| 5717.20 | Peak | 51.48 | 12.25 | 63.73 | 110.02 | -46.29 |
| 5723.45 | Peak | 55.59 | 12.29 | 67.88 | 118.68 | -50.80 |
| 5755.00 | Peak | 85.89 | 12.45 | 98.34 | -- | -- |
| 5755.00 | Average | 79.45 | 12.45 | 91.91 | -- | -- |
| 5852.73 | Peak | 47.30 | 12.46 | 59.76 | 115.98 | -56.22 |
| 5860.98 | Peak | 47.71 | 12.45 | 60.16 | 109.12 | -48.97 |
| 5888.48 | Peak | 48.11 | 12.39 | 60.50 | 95.19 | -34.70 |
| 5968.50 | Peak | 48.44 | 12.36 | 60.80 | 68.20 | -7.40 |

| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5518.92 | Peak | 48.97 | 11.01 | 59.98 | 68.20 | -8.22 |
| 5697.95 | Peak | 46.95 | 12.14 | 59.09 | 103.69 | -44.60 |
| 5711.20 | Peak | 47.46 | 12.22 | 59.69 | 108.34 | -48.65 |
| 5724.95 | Peak | 46.61 | 12.29 | 58.91 | 122.10 | -63.19 |
| 5795.00 | Peak | 88.52 | 12.65 | 101.17 | -- | -- |
| 5795.00 | Average | 82.04 | 12.65 | 94.69 | -- | -- |
| 5850.48 | Peak | 51.04 | 12.47 | 63.51 | 121.12 | -57.61 |
| 5866.73 | Peak | 50.69 | 12.43 | 63.12 | 107.51 | -44.39 |
| 5879.73 | Peak | 49.73 | 12.40 | 62.14 | 101.69 | -39.55 |
| 5940.24 | Peak | 48.67 | 12.35 | 61.02 | 68.20 | -7.18 |

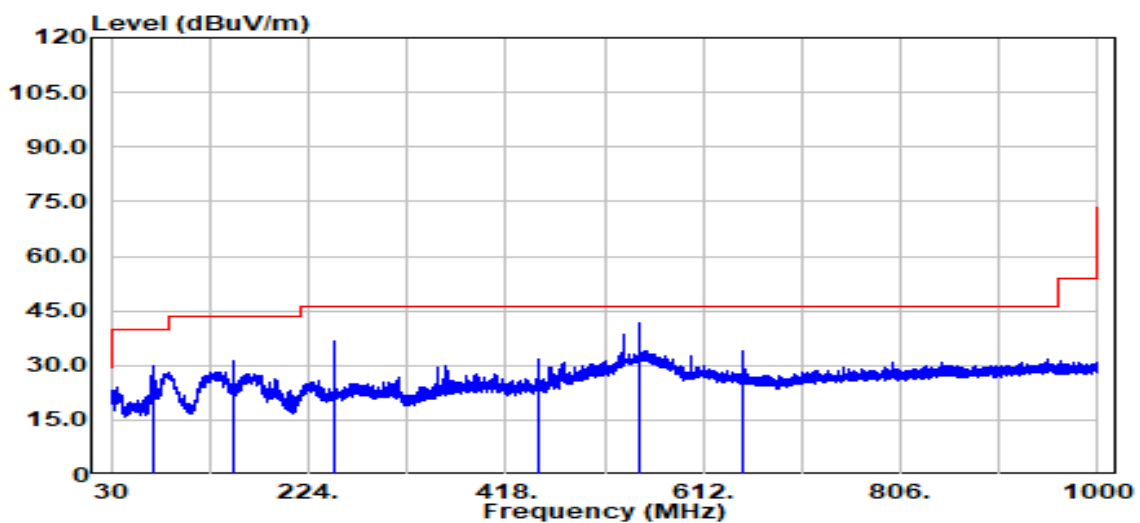
| | | | |
|-----------|------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 25.3(°C) / 57%RH |
| Test Item | Band Edge | Test Date | June 9, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 5577.68 | Peak | 48.70 | 11.33 | 60.04 | 68.20 | -8.16 |
| 5688.45 | Peak | 46.84 | 12.06 | 58.89 | 96.68 | -37.79 |
| 5717.95 | Peak | 46.47 | 12.26 | 58.73 | 110.23 | -51.50 |
| 5724.95 | Peak | 46.81 | 12.29 | 59.10 | 122.10 | -62.99 |
| 5795.00 | Peak | 86.20 | 12.65 | 98.84 | -- | -- |
| 5795.00 | Average | 79.54 | 12.65 | 92.19 | -- | -- |
| 5854.23 | Peak | 48.43 | 12.46 | 60.89 | 112.56 | -51.67 |
| 5857.48 | Peak | 49.43 | 12.45 | 61.88 | 110.11 | -48.22 |
| 5888.48 | Peak | 48.82 | 12.39 | 61.20 | 95.19 | -33.99 |
| 5981.75 | Peak | 49.37 | 12.38 | 61.75 | 68.20 | -6.45 |

Below 1G Test Data: Test Mode: Mode 1 (Dipole Antenna)

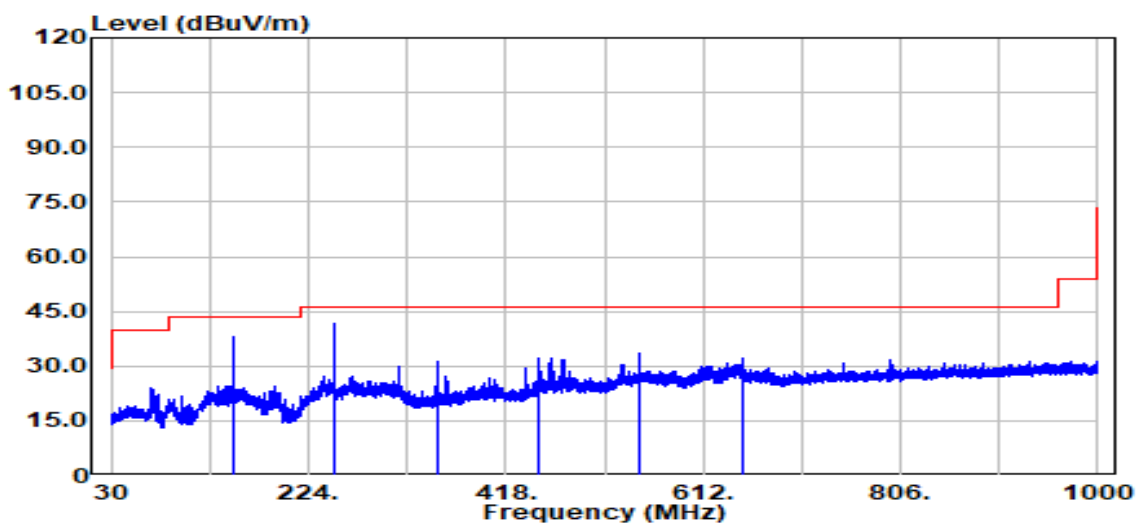
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.4(°C)/ 59%RH |
| Test Item | 30MHz-1GHz | Test Date | June 3, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 70.35 | Peak | 45.21 | -15.27 | 29.94 | 40.00 | -10.06 |
| 149.99 | Peak | 44.03 | -12.86 | 31.17 | 43.50 | -12.33 |
| 250.00 | Peak | 50.46 | -14.00 | 36.46 | 46.00 | -9.54 |
| 450.01 | Peak | 40.19 | -8.31 | 31.88 | 46.00 | -14.12 |
| 550.02 | Peak | 48.25 | -6.69 | 41.56 | 46.00 | -4.44 |
| 650.02 | Peak | 38.46 | -4.30 | 34.16 | 46.00 | -11.84 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

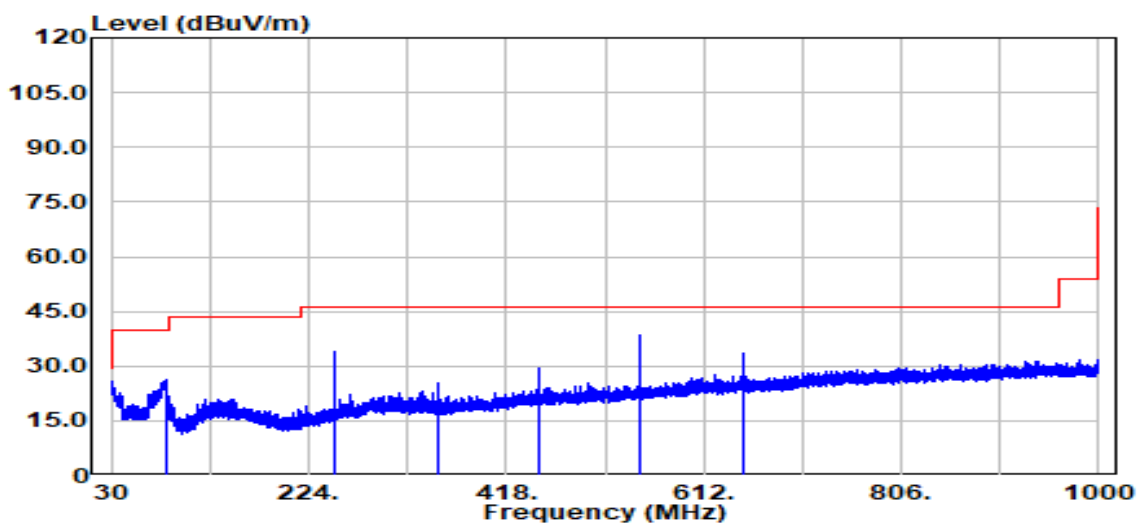
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.4(°C)/ 59%RH |
| Test Item | 30MHz-1GHz | Test Date | June 3, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 149.99 | Peak | 50.76 | -12.86 | 37.89 | 43.50 | -5.61 |
| 250.00 | Peak | 55.73 | -14.00 | 41.73 | 46.00 | -4.27 |
| 350.00 | Peak | 42.21 | -11.18 | 31.03 | 46.00 | -14.97 |
| 450.01 | Peak | 40.65 | -8.31 | 32.34 | 46.00 | -13.66 |
| 550.02 | Peak | 40.19 | -6.69 | 33.50 | 46.00 | -12.50 |
| 650.02 | Peak | 36.59 | -4.30 | 32.29 | 46.00 | -13.71 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

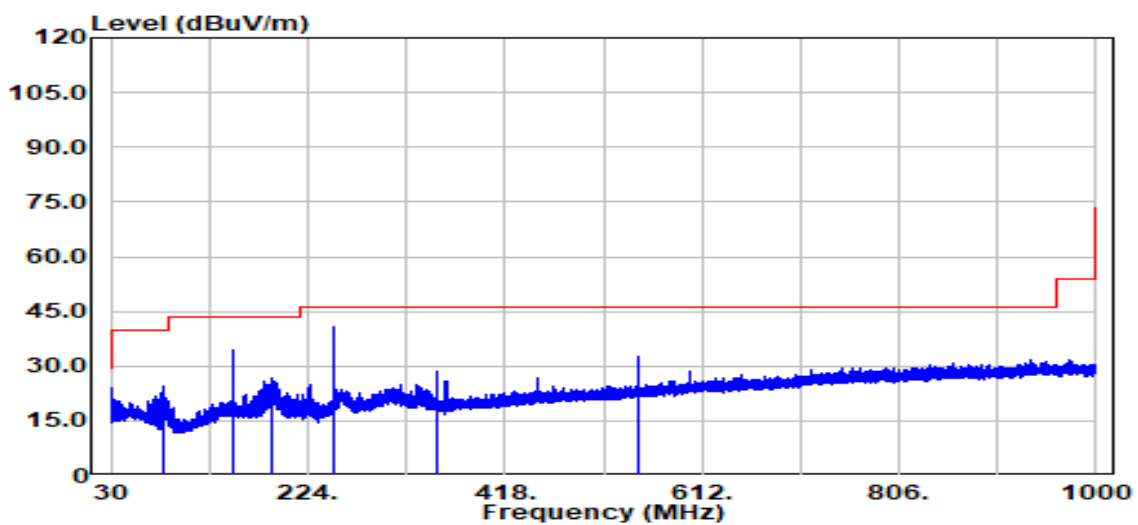
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5785 MHz | Temp/Hum | 25.5(°C)/ 55%RH |
| Test Item | 30MHz-1GHz | Test Date | June 29, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 83.75 | Peak | 44.76 | -18.50 | 26.26 | 40.00 | -13.74 |
| 250.02 | Peak | 48.15 | -14.00 | 34.15 | 46.00 | -11.85 |
| 349.99 | Peak | 36.62 | -11.18 | 25.44 | 46.00 | -20.56 |
| 450.01 | Peak | 37.81 | -8.31 | 29.50 | 46.00 | -16.50 |
| 550.03 | Peak | 45.23 | -6.69 | 38.54 | 46.00 | -7.46 |
| 650.06 | Peak | 37.94 | -4.30 | 33.64 | 46.00 | -12.36 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5785 MHz | Temp/Hum | 25.5(°C)/ 55%RH |
| Test Item | 30MHz-1GHz | Test Date | June 29, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak | | |

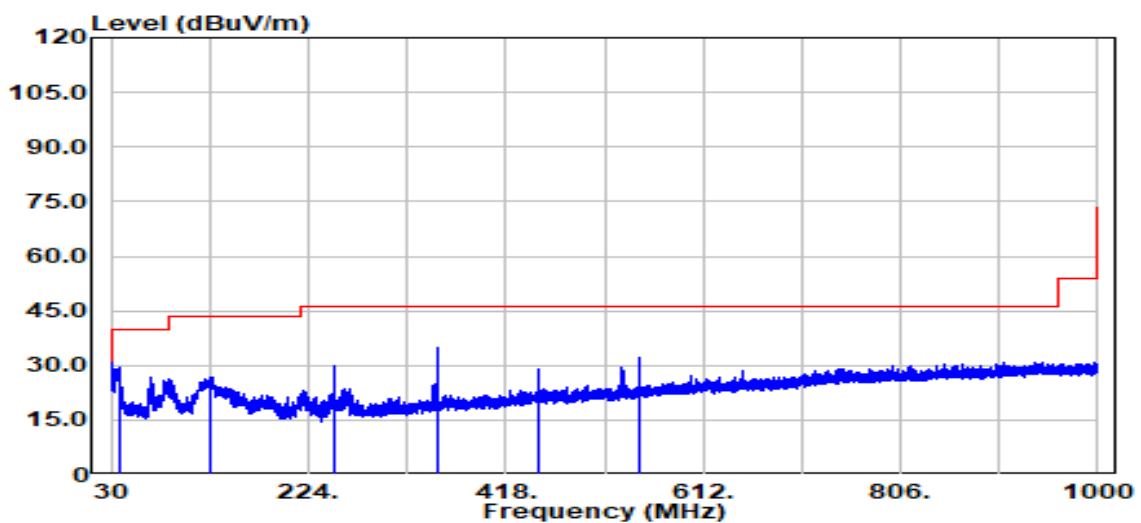


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 81.24 | Peak | 42.76 | -18.09 | 24.67 | 40.00 | -15.33 |
| 149.99 | Peak | 47.28 | -12.86 | 34.42 | 43.50 | -9.08 |
| 188.97 | Peak | 42.25 | -15.54 | 26.70 | 43.50 | -16.80 |
| 250.02 | Peak | 54.60 | -14.00 | 40.60 | 46.00 | -5.40 |
| 350.04 | Peak | 39.89 | -11.18 | 28.71 | 46.00 | -17.29 |
| 550.03 | Peak | 39.34 | -6.69 | 32.65 | 46.00 | -13.35 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Below 1G Test Data: Test Mode: Mode 2 (PIFA Antenna)

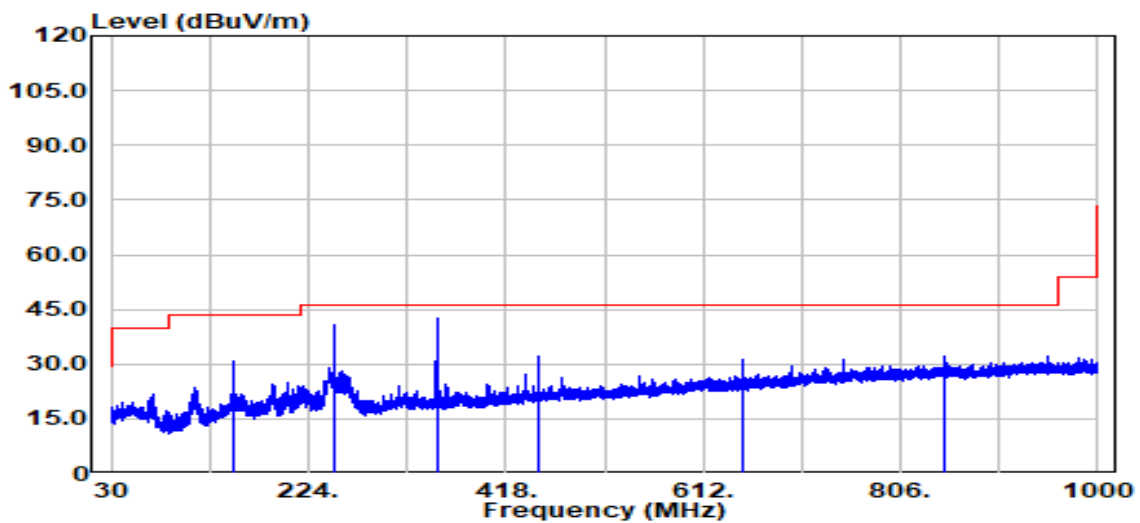
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | 30MHz-1GHz | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 37.47 | Peak | 43.24 | -13.68 | 29.55 | 40.00 | -10.45 |
| 126.90 | Peak | 41.52 | -14.78 | 26.74 | 43.50 | -16.76 |
| 250.00 | Peak | 43.89 | -14.00 | 29.89 | 46.00 | -16.11 |
| 350.00 | Peak | 46.05 | -11.18 | 34.87 | 46.00 | -11.13 |
| 450.01 | Peak | 37.23 | -8.31 | 28.92 | 46.00 | -17.08 |
| 550.02 | Peak | 39.04 | -6.69 | 32.35 | 46.00 | -13.65 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

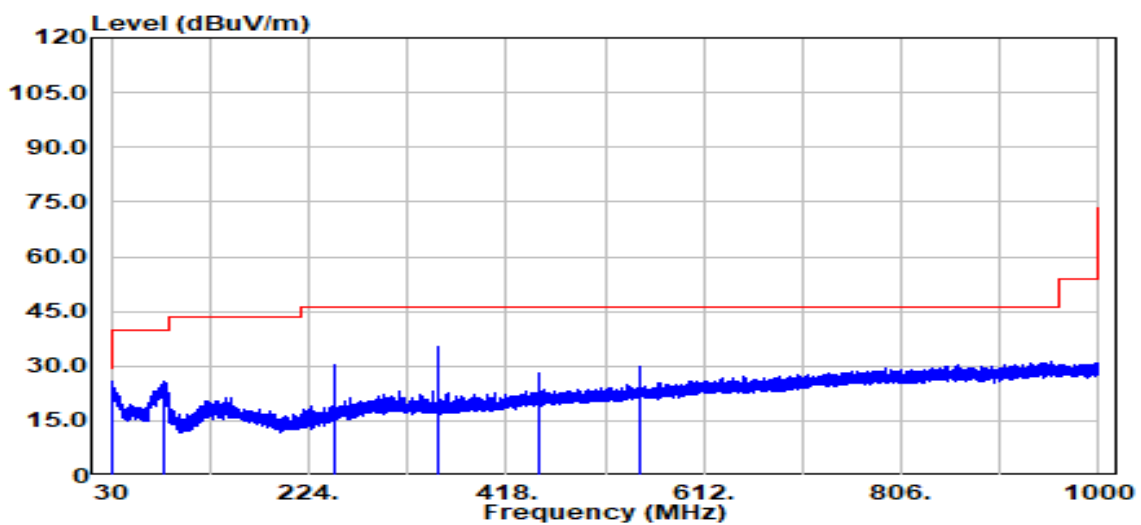
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | 30MHz-1GHz | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 149.99 | Peak | 43.80 | -12.86 | 30.93 | 43.50 | -12.57 |
| 250.00 | Peak | 54.54 | -14.00 | 40.54 | 46.00 | -5.46 |
| 350.00 | Peak | 53.95 | -11.18 | 42.77 | 46.00 | -3.23 |
| 450.01 | Peak | 40.59 | -8.31 | 32.28 | 46.00 | -13.72 |
| 650.02 | Peak | 35.37 | -4.30 | 31.07 | 46.00 | -14.93 |
| 850.04 | Peak | 33.16 | -1.07 | 32.09 | 46.00 | -13.91 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

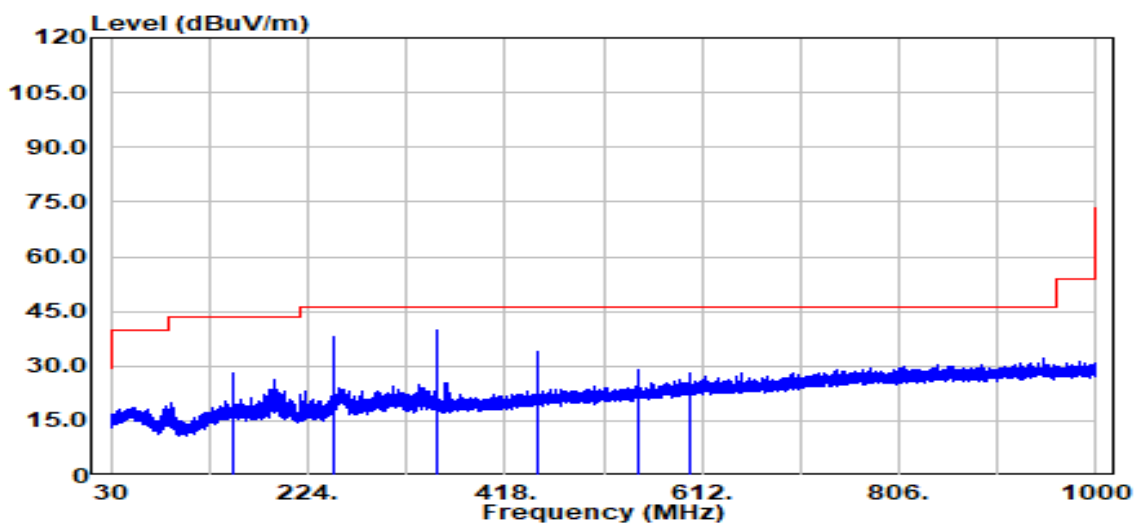
| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 25.0(°C)/ 55%RH |
| Test Item | 30MHz-1GHz | Test Date | June 29, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 30.74 | Peak | 40.01 | -14.15 | 25.86 | 40.00 | -14.14 |
| 81.70 | Peak | 43.89 | -18.13 | 25.76 | 40.00 | -14.24 |
| 250.02 | Peak | 44.20 | -14.00 | 30.20 | 46.00 | -15.80 |
| 350.04 | Peak | 46.37 | -11.18 | 35.19 | 46.00 | -10.81 |
| 450.01 | Peak | 36.56 | -8.31 | 28.25 | 46.00 | -17.75 |
| 550.03 | Peak | 36.78 | -6.69 | 30.09 | 46.00 | -15.91 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 25.5(°C)/ 55%RH |
| Test Item | 30MHz-1GHz | Test Date | June 29, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak | | |



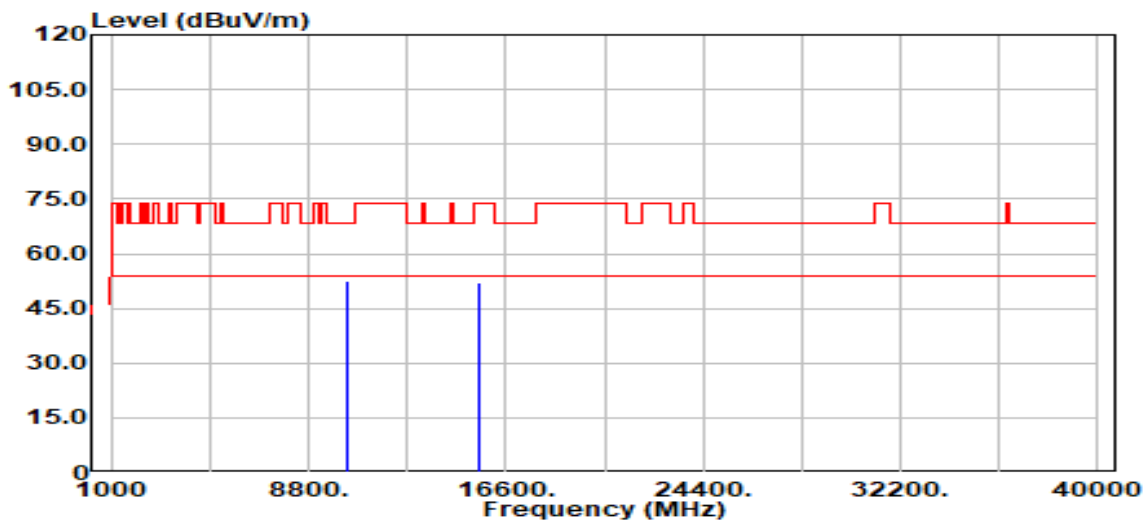
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 149.99 | Peak | 40.74 | -12.86 | 27.88 | 43.50 | -15.62 |
| 250.02 | Peak | 51.93 | -14.00 | 37.93 | 46.00 | -8.07 |
| 350.04 | Peak | 50.86 | -11.18 | 39.68 | 46.00 | -6.32 |
| 450.01 | Peak | 42.12 | -8.31 | 33.81 | 46.00 | -12.19 |
| 550.03 | Peak | 35.47 | -6.69 | 28.78 | 46.00 | -17.22 |
| 600.02 | Peak | 33.32 | -5.07 | 28.25 | 46.00 | -17.75 |

Note: 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

Above Test Data: Test Mode: Mode 1 (Dipole Antenna)

Test Data for UNII-1

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

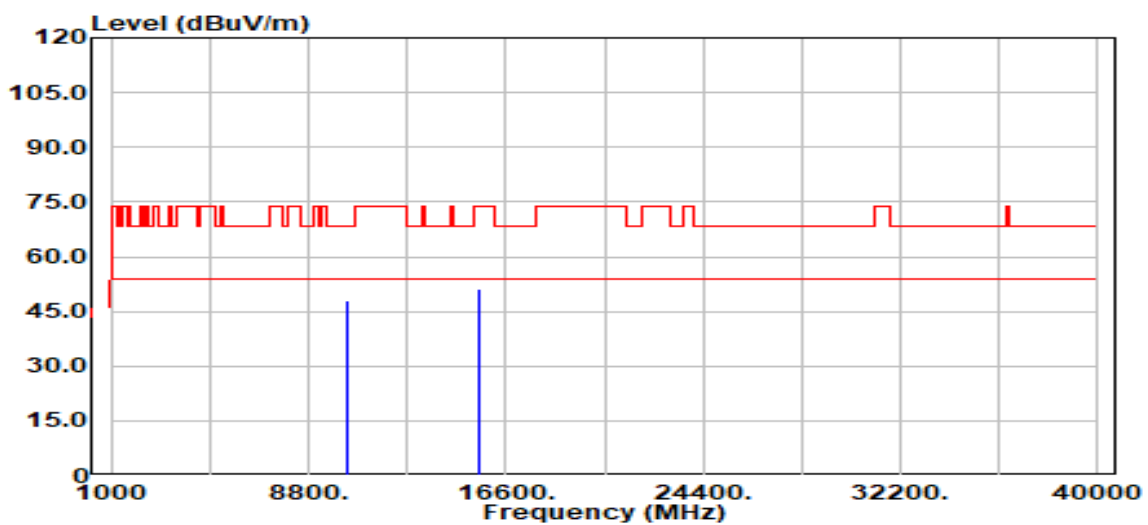


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 47.94 | 4.45 | 52.39 | 68.20 | -15.81 |
| 15540.00 | Peak | 45.14 | 7.11 | 52.26 | 74.00 | -21.74 |
| 15540.00 | Average | 37.02 | 7.11 | 44.13 | 54.00 | -9.87 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

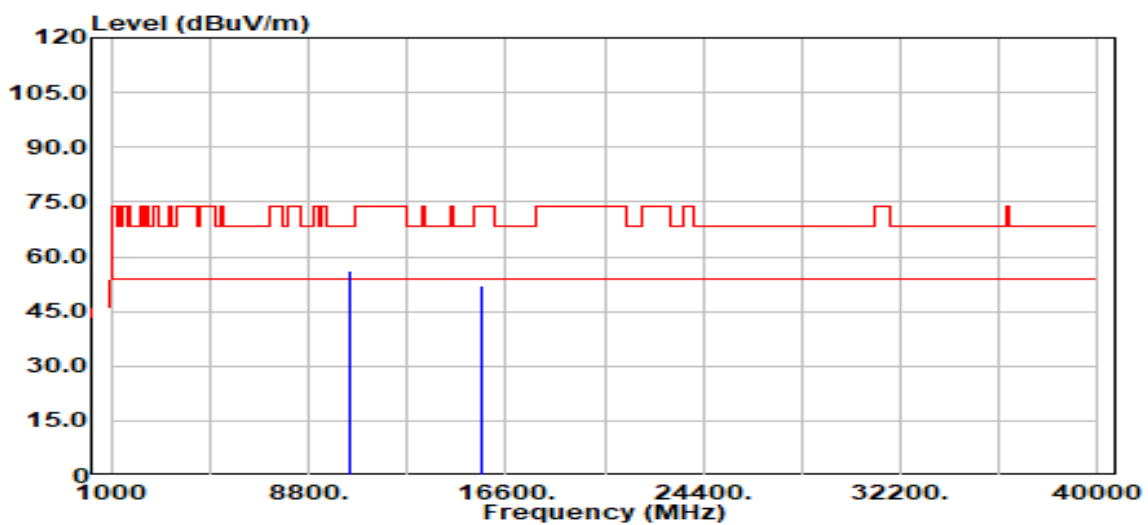


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 43.45 | 4.45 | 47.89 | 68.20 | -20.31 |
| 15540.00 | Peak | 44.21 | 7.11 | 51.32 | 74.00 | -22.68 |
| 15540.00 | Average | 33.40 | 7.11 | 40.51 | 54.00 | -13.49 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonics | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

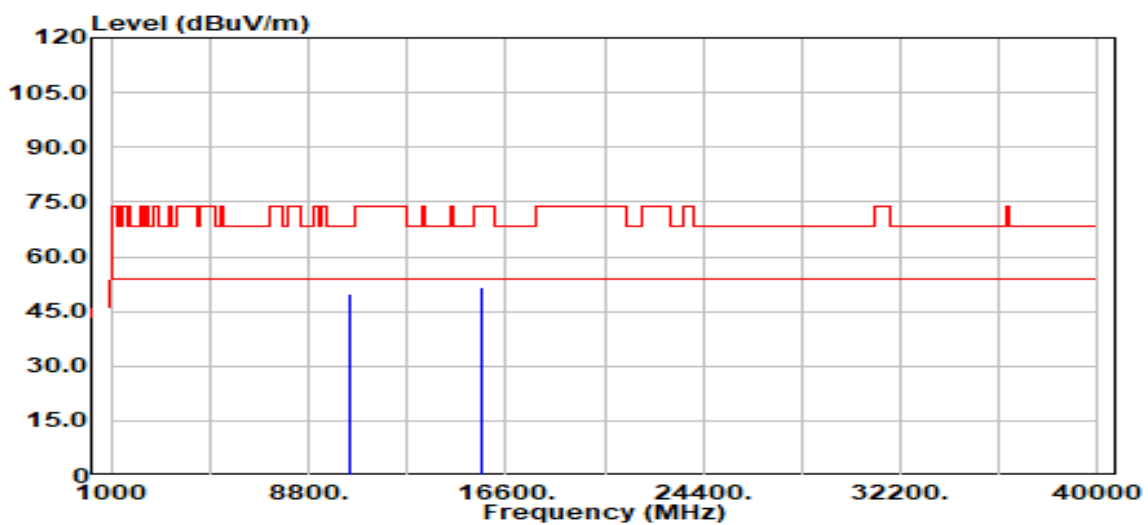


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 51.79 | 4.15 | 55.94 | 68.20 | -12.26 |
| 15660.00 | Peak | 44.56 | 7.33 | 51.90 | 74.00 | -22.10 |
| 15660.00 | Average | 36.92 | 7.33 | 44.25 | 54.00 | -9.75 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 45.80 | 4.15 | 49.95 | 68.20 | -18.25 |
| 15660.00 | Peak | 44.30 | 7.33 | 51.64 | 74.00 | -22.36 |
| 15660.00 | Average | 36.64 | 7.33 | 43.97 | 54.00 | -10.03 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 50.63 | 4.05 | 54.68 | 68.20 | -13.52 |
| 15720.00 | Peak | 44.34 | 7.53 | 51.87 | 74.00 | -22.13 |
| 15720.00 | Average | 36.78 | 7.53 | 44.31 | 54.00 | -9.69 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

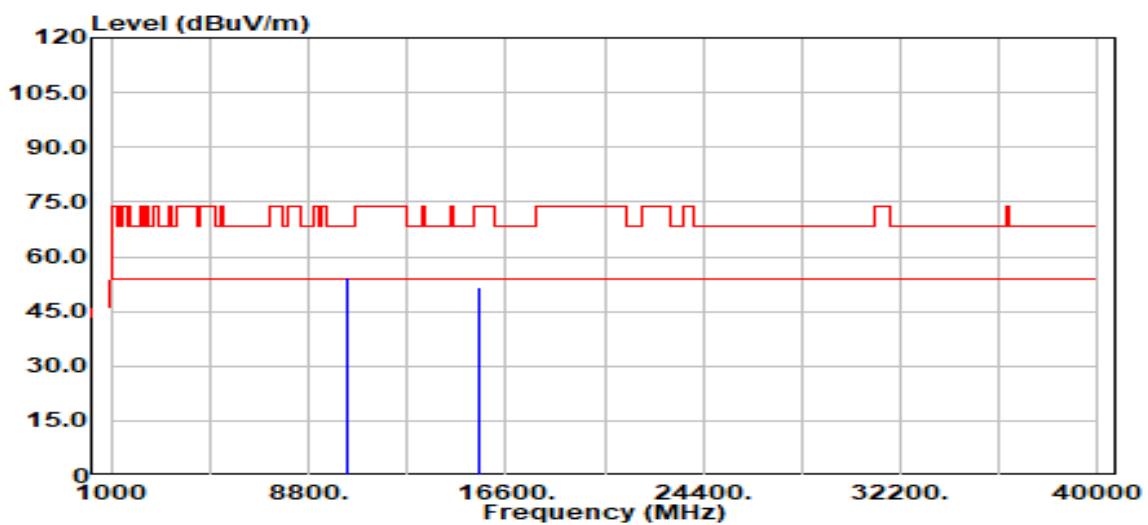


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 46.01 | 4.05 | 50.06 | 68.20 | -18.14 |
| 15720.00 | Peak | 44.33 | 7.53 | 51.86 | 74.00 | -22.14 |
| 15720.00 | Average | 36.03 | 7.53 | 43.57 | 54.00 | -10.43 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

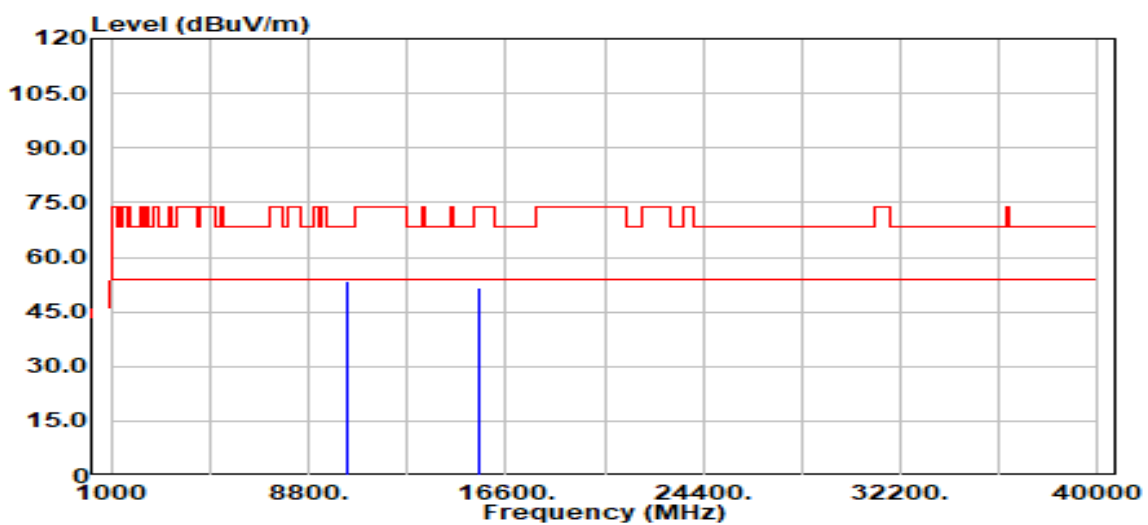


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 49.85 | 4.45 | 54.29 | 68.20 | -13.91 |
| 15540.00 | Peak | 44.30 | 7.11 | 51.42 | 74.00 | -22.58 |
| 15540.00 | Average | 36.66 | 7.11 | 43.78 | 54.00 | -10.22 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

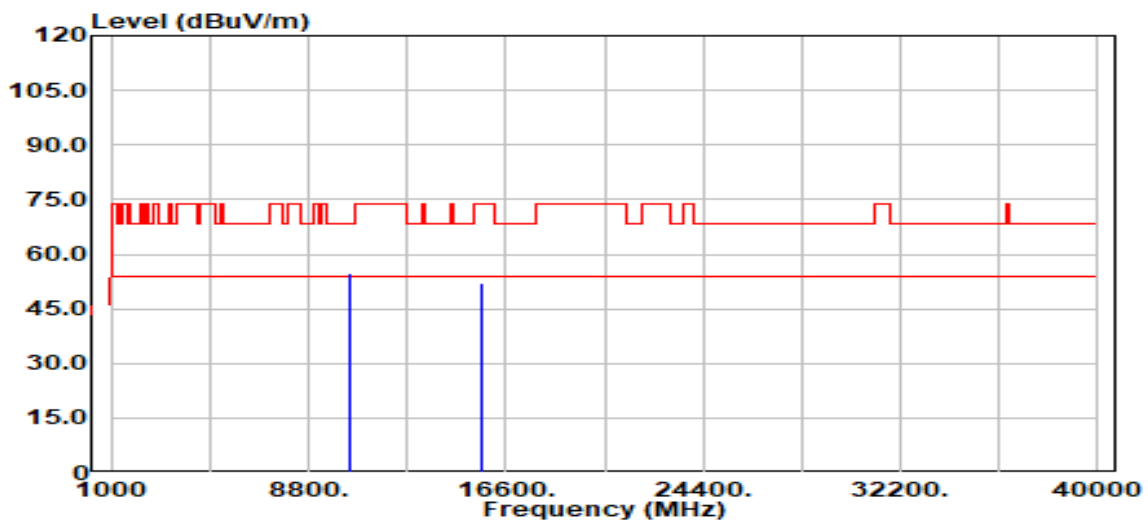


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 48.76 | 4.45 | 53.21 | 68.20 | -14.99 |
| 15540.00 | Peak | 44.51 | 7.11 | 51.62 | 74.00 | -22.38 |
| 15540.00 | Average | 35.92 | 7.11 | 43.03 | 54.00 | -10.97 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5220 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

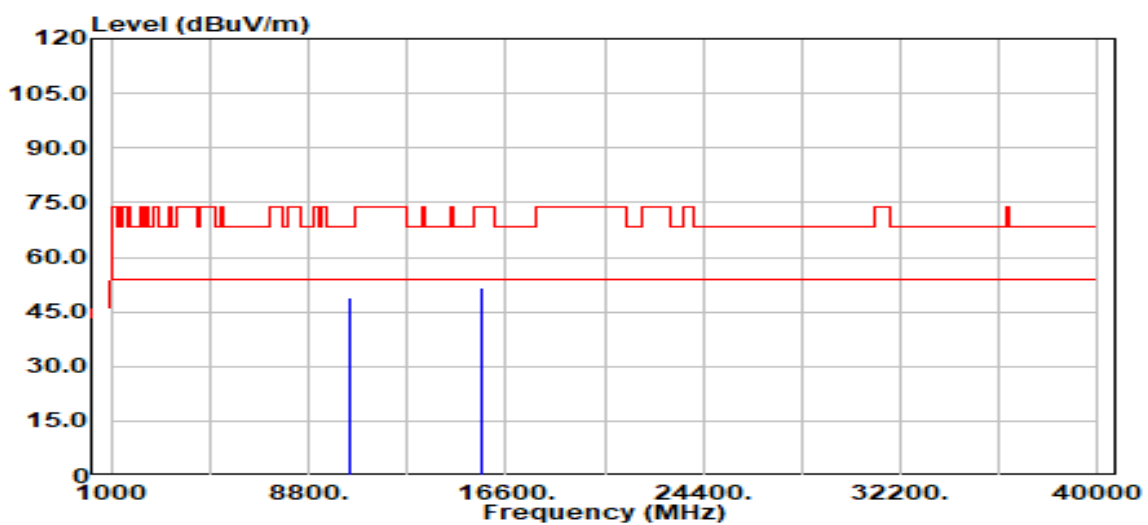


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 50.58 | 4.15 | 54.73 | 68.20 | -13.47 |
| 15660.00 | Peak | 44.52 | 7.33 | 51.85 | 74.00 | -22.15 |
| 15660.00 | Average | 37.10 | 7.33 | 44.43 | 54.00 | -9.57 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5220 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

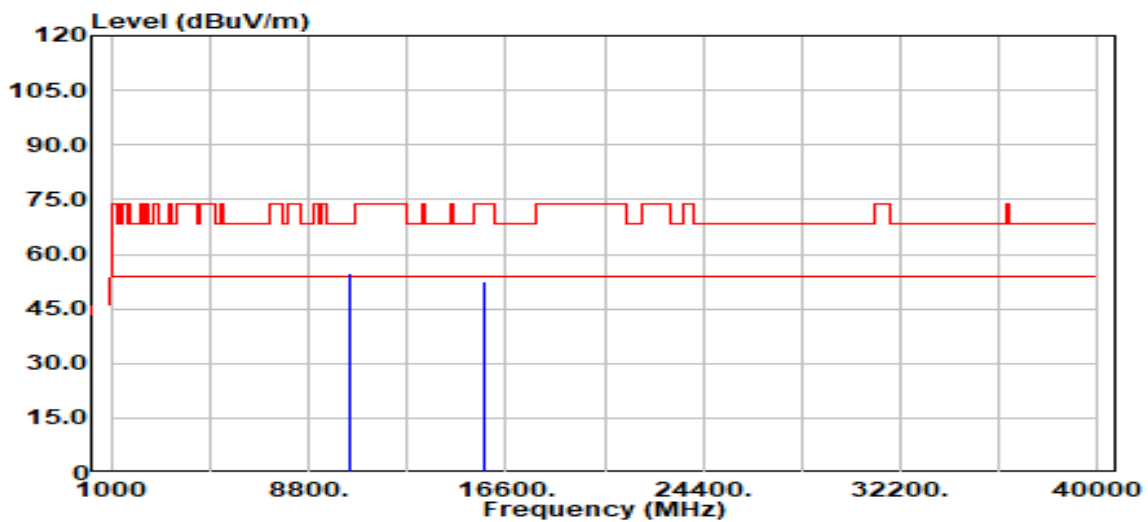


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 44.70 | 4.15 | 48.85 | 68.20 | -19.35 |
| 15660.00 | Peak | 44.09 | 7.33 | 51.43 | 74.00 | -22.57 |
| 15660.00 | Average | 36.12 | 7.33 | 43.45 | 54.00 | -10.55 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

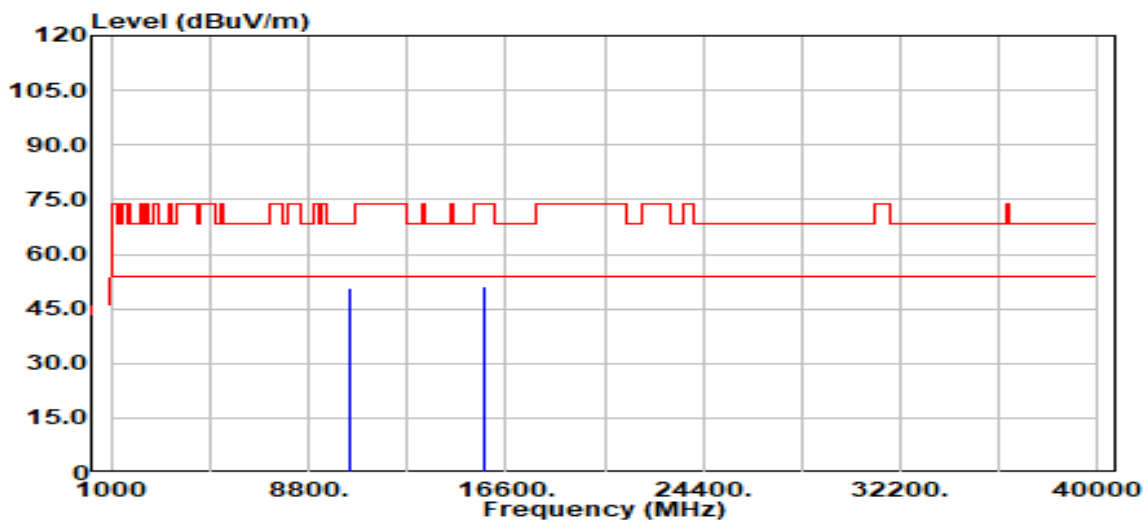


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 50.61 | 4.05 | 54.66 | 68.20 | -13.54 |
| 15720.00 | Peak | 45.08 | 7.53 | 52.62 | 74.00 | -21.38 |
| 15720.00 | Average | 36.93 | 7.53 | 44.46 | 54.00 | -9.54 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

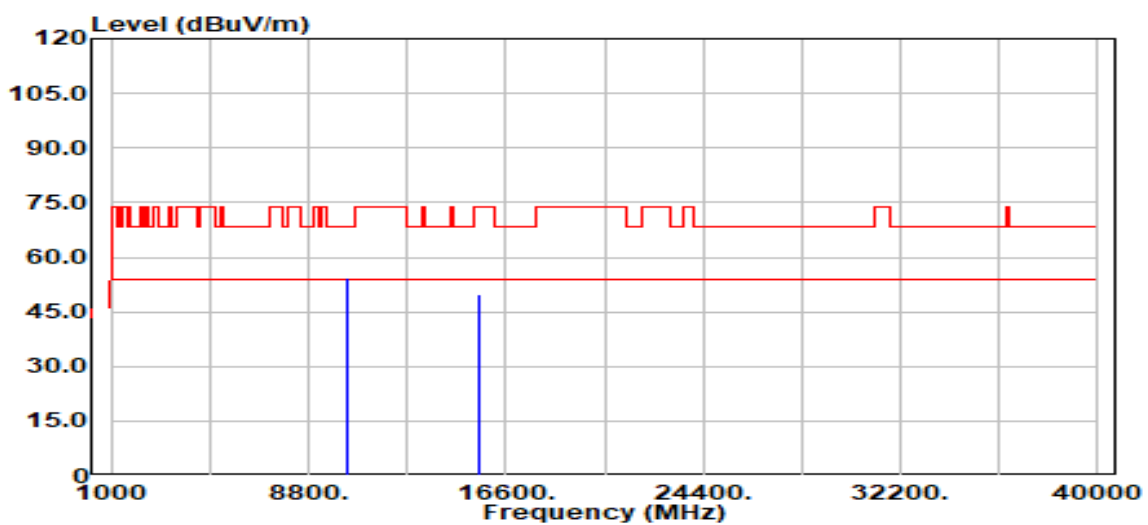


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 46.52 | 4.05 | 50.57 | 68.20 | -17.63 |
| 15720.00 | Peak | 43.61 | 7.53 | 51.15 | 74.00 | -22.85 |
| 15720.00 | Average | 35.95 | 7.53 | 43.48 | 54.00 | -10.52 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

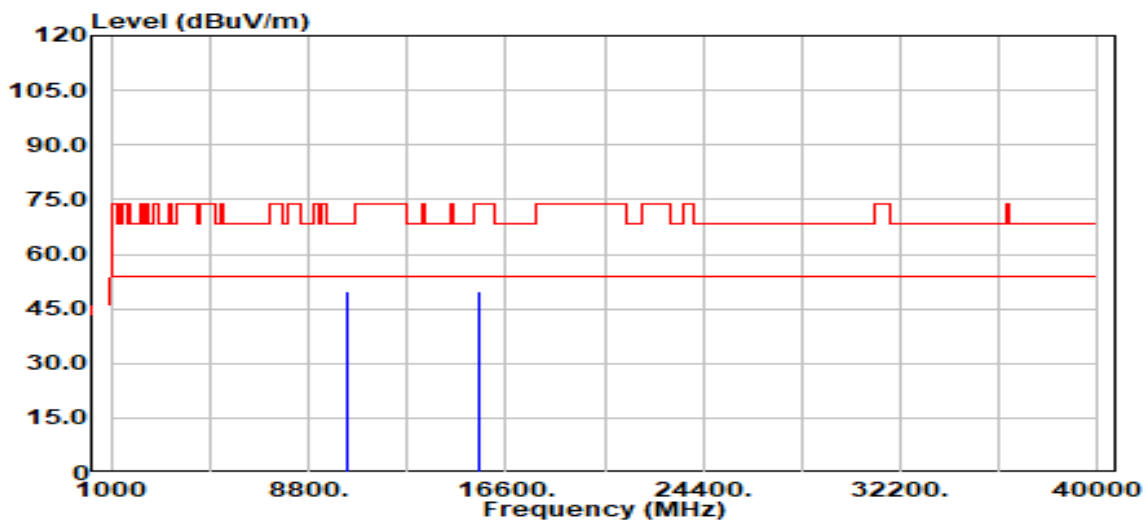


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10380.00 | Peak | 49.94 | 4.44 | 54.38 | 68.20 | -13.82 |
| 15570.00 | Peak | 42.62 | 7.11 | 49.73 | 74.00 | -24.27 |
| 15570.00 | Average | 35.59 | 7.11 | 42.70 | 54.00 | -11.30 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

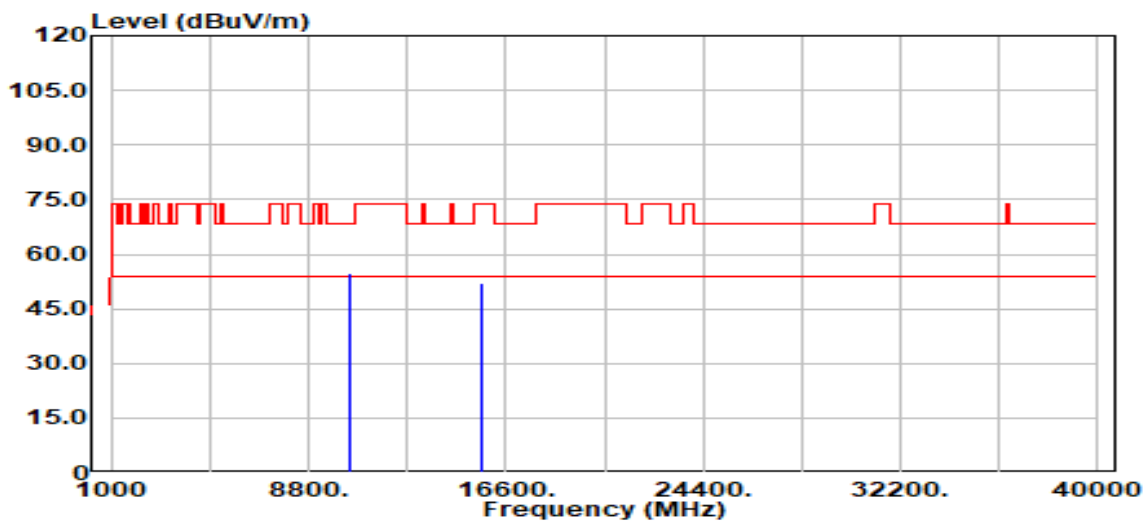


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10380.00 | Peak | 45.39 | 4.44 | 49.83 | 68.20 | -18.37 |
| 15570.00 | Peak | 42.90 | 7.11 | 50.02 | 74.00 | -23.98 |
| 15570.00 | Average | 34.53 | 7.11 | 41.64 | 54.00 | -12.36 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

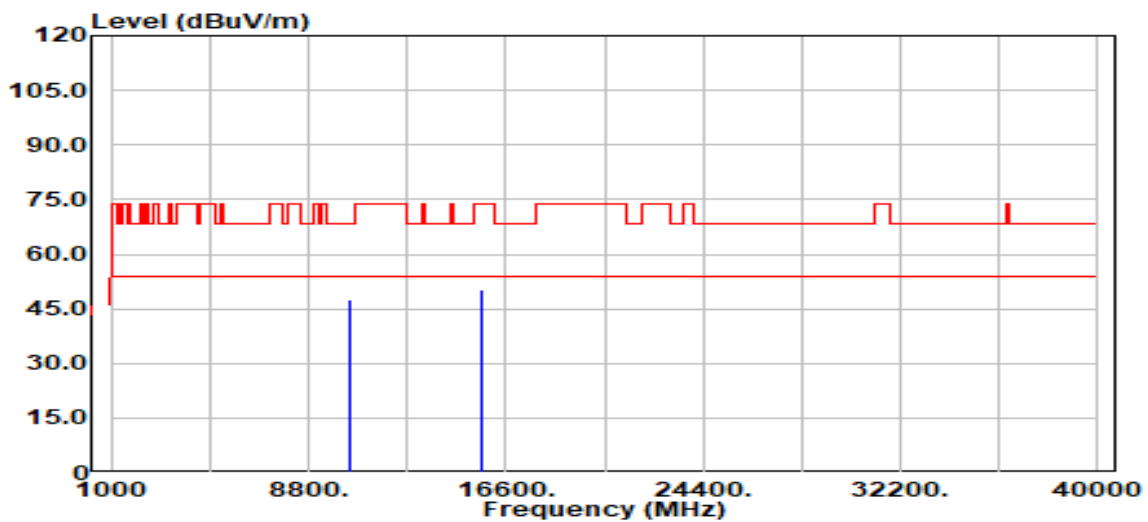


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10460.00 | Peak | 50.50 | 4.07 | 54.57 | 68.20 | -13.63 |
| 15690.00 | Peak | 44.92 | 7.29 | 52.21 | 74.00 | -21.79 |
| 15690.00 | Average | 35.48 | 7.29 | 42.76 | 54.00 | -11.24 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



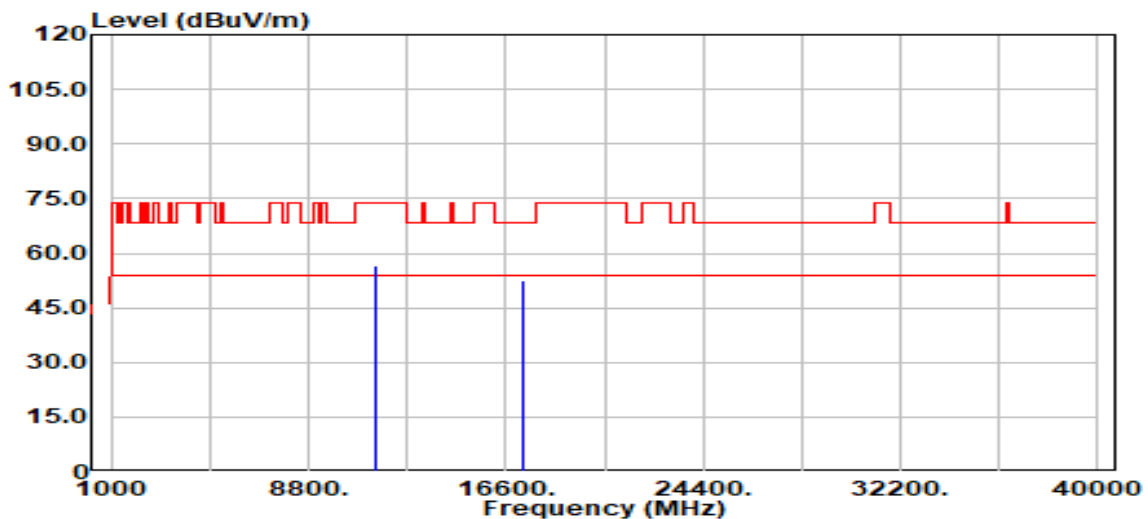
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10460.00 | Peak | 43.52 | 4.07 | 47.59 | 68.20 | -20.61 |
| 15690.00 | Peak | 43.13 | 7.29 | 50.41 | 74.00 | -23.59 |
| 15690.00 | Average | 35.32 | 7.29 | 42.61 | 54.00 | -11.40 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Data for UNII-3

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 51.43 | 4.99 | 56.42 | 74.00 | -17.58 |
| 11490.00 | Average | 43.03 | 4.99 | 48.02 | 54.00 | -5.98 |
| 17235.00 | Peak | 48.00 | 4.52 | 52.52 | 68.20 | -15.68 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

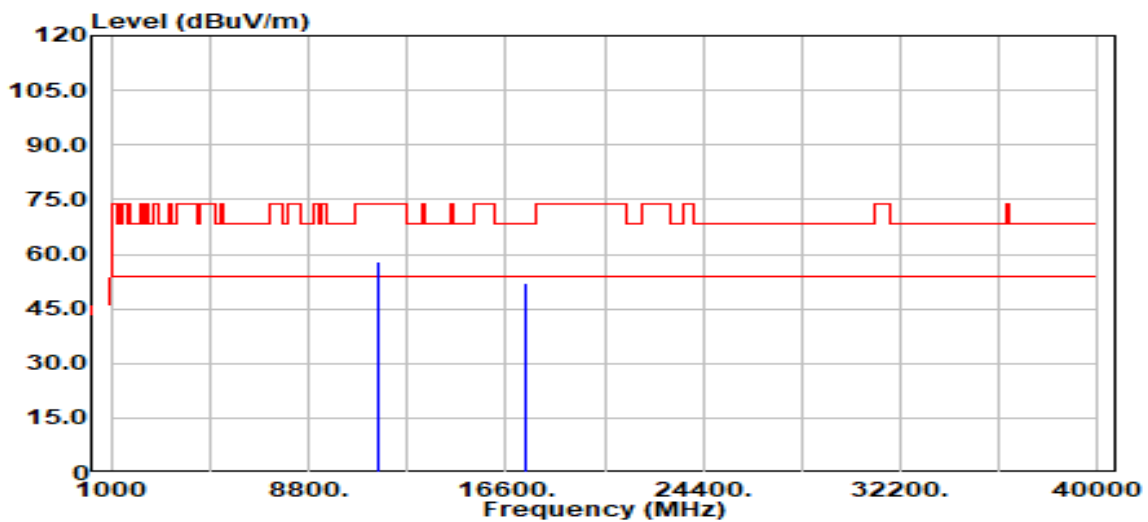


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 49.07 | 4.99 | 54.06 | 74.00 | -19.94 |
| 11490.00 | Average | 40.56 | 4.99 | 45.55 | 54.00 | -8.45 |
| 17235.00 | Peak | 45.17 | 4.52 | 49.69 | 68.20 | -18.51 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonics | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

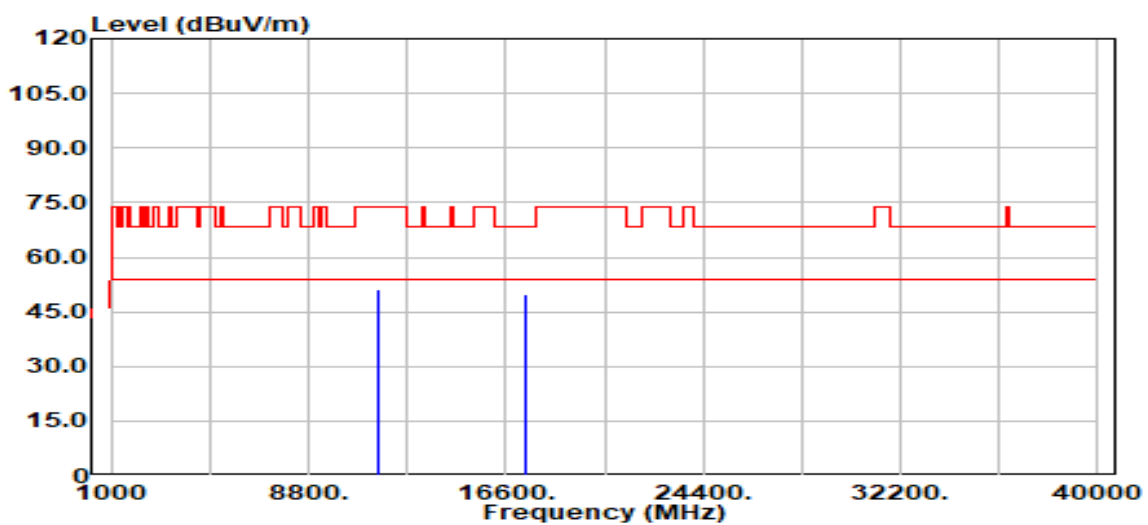


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 53.13 | 5.05 | 58.18 | 74.00 | -15.82 |
| 11570.00 | Average | 44.23 | 5.05 | 49.28 | 54.00 | -4.72 |
| 17355.00 | Peak | 47.42 | 4.61 | 52.02 | 68.20 | -16.18 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

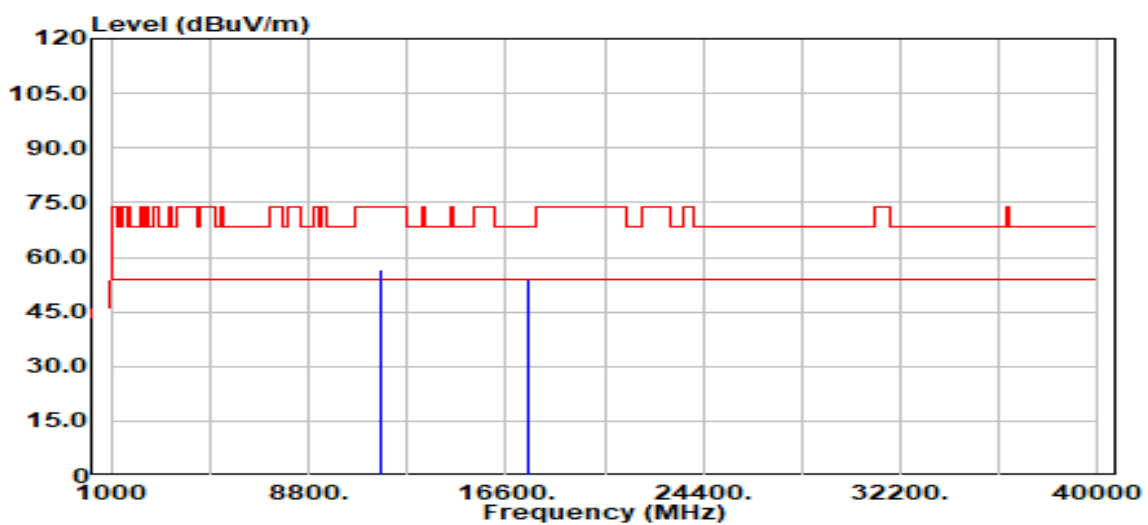


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 46.21 | 5.05 | 51.25 | 74.00 | -22.75 |
| 11570.00 | Average | 40.07 | 5.05 | 45.12 | 54.00 | -8.88 |
| 17355.00 | Peak | 45.28 | 4.61 | 49.89 | 68.20 | -18.31 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

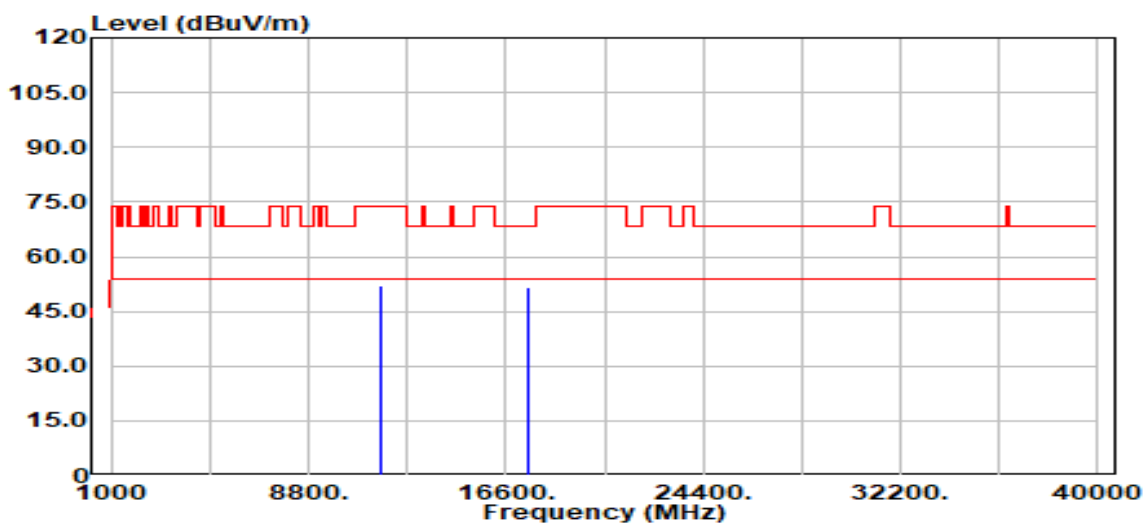


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 51.36 | 5.03 | 56.39 | 74.00 | -17.61 |
| 11650.00 | Average | 42.53 | 5.03 | 47.56 | 54.00 | -6.44 |
| 17475.00 | Peak | 49.46 | 4.37 | 53.83 | 68.20 | -14.38 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

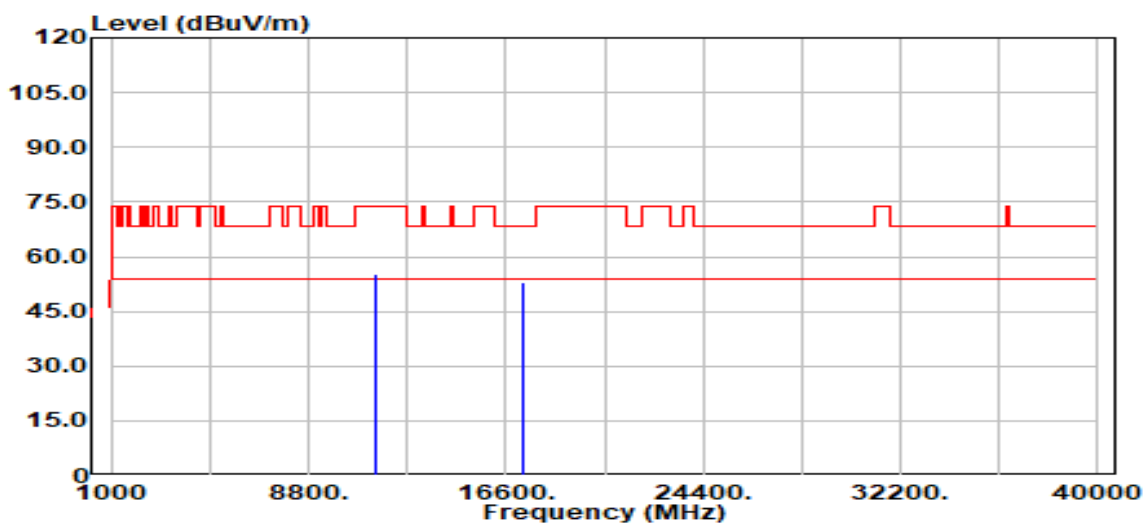


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 47.02 | 5.03 | 52.05 | 74.00 | -21.95 |
| 11650.00 | Average | 38.88 | 5.03 | 43.91 | 54.00 | -10.09 |
| 17475.00 | Peak | 47.32 | 4.37 | 51.69 | 68.20 | -16.51 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 50.45 | 4.99 | 55.44 | 74.00 | -18.56 |
| 11490.00 | Average | 43.34 | 4.99 | 48.34 | 54.00 | -5.66 |
| 17235.00 | Peak | 48.54 | 4.52 | 53.06 | 68.20 | -15.14 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

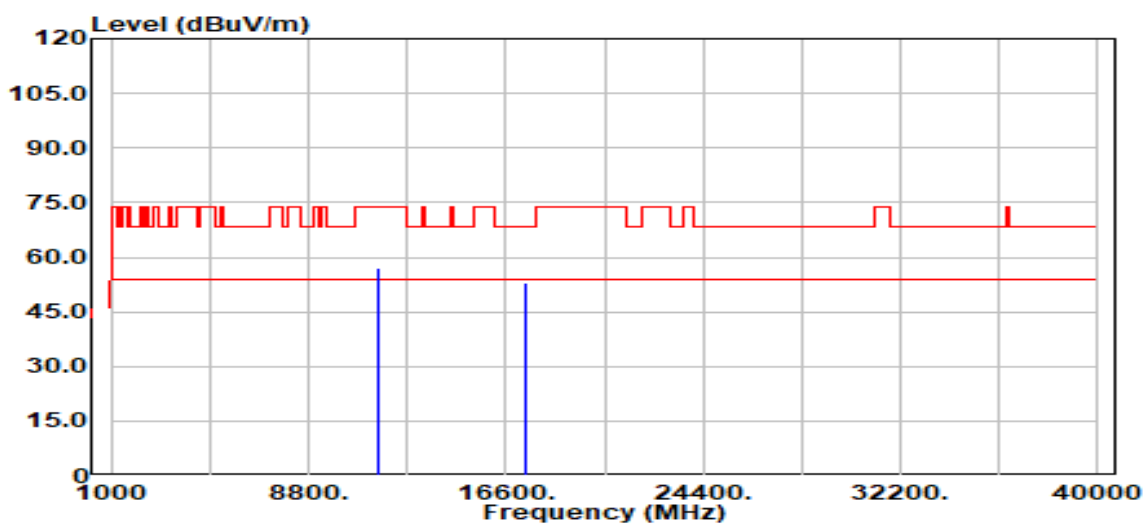


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 46.47 | 4.99 | 51.46 | 74.00 | -22.54 |
| 11490.00 | Average | 40.31 | 4.99 | 45.30 | 54.00 | -8.70 |
| 17235.00 | Peak | 44.07 | 4.52 | 48.59 | 68.20 | -19.61 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5785 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

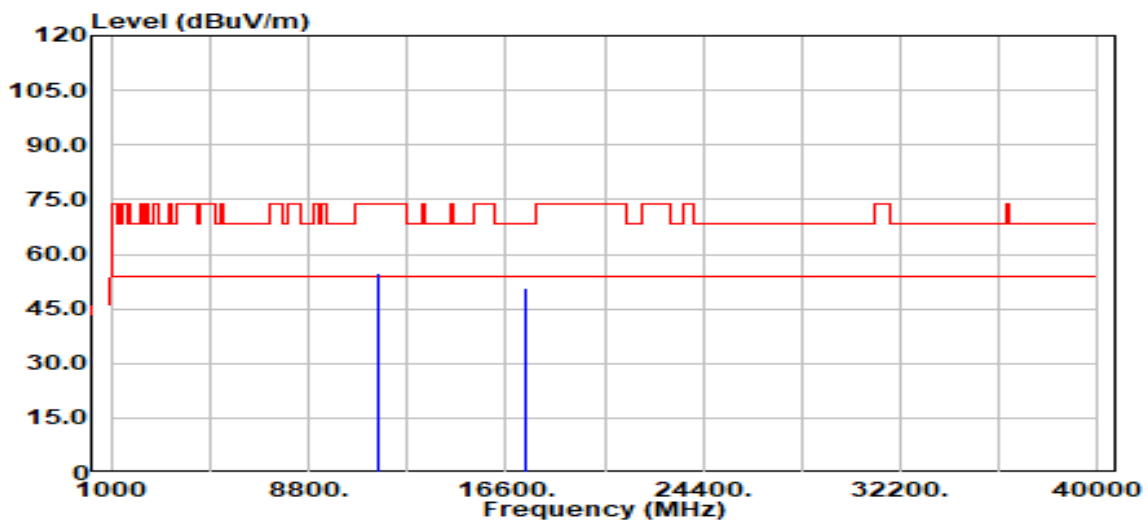


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 52.07 | 5.05 | 57.12 | 74.00 | -16.88 |
| 11570.00 | Average | 44.61 | 5.05 | 49.66 | 54.00 | -4.34 |
| 17355.00 | Peak | 48.37 | 4.61 | 52.97 | 68.20 | -15.23 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5785 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 49.61 | 5.05 | 54.65 | 74.00 | -19.35 |
| 11570.00 | Average | 40.31 | 5.05 | 45.35 | 54.00 | -8.65 |
| 17355.00 | Peak | 46.11 | 4.61 | 50.72 | 68.20 | -17.48 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

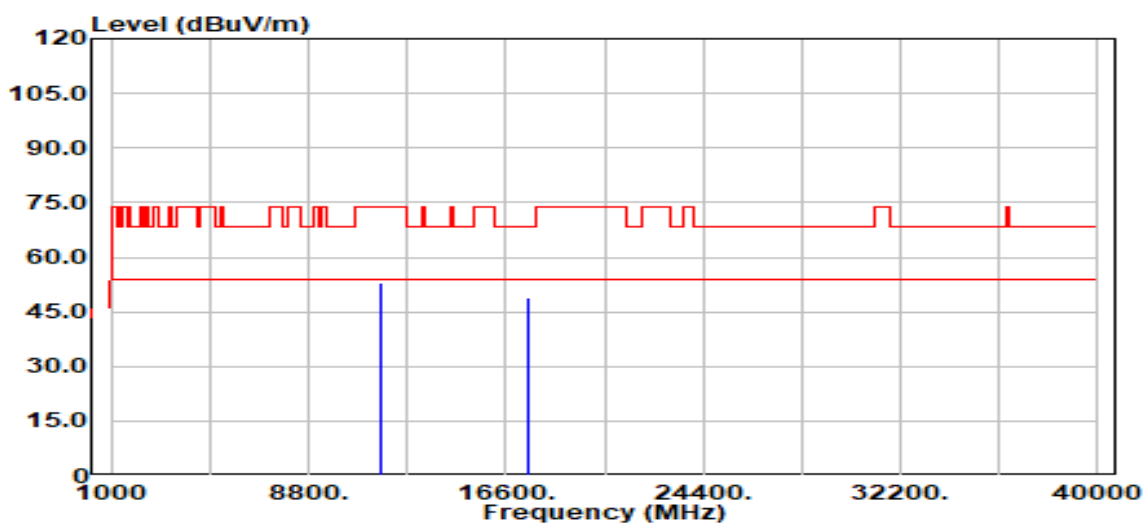


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 49.70 | 5.03 | 54.73 | 74.00 | -19.27 |
| 11650.00 | Average | 42.58 | 5.03 | 47.61 | 54.00 | -6.40 |
| 17475.00 | Peak | 46.97 | 4.37 | 51.34 | 68.20 | -16.86 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 47.86 | 5.03 | 52.89 | 74.00 | -21.11 |
| 11650.00 | Average | 39.99 | 5.03 | 45.02 | 54.00 | -8.98 |
| 17475.00 | Peak | 44.32 | 4.37 | 48.69 | 68.20 | -19.51 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

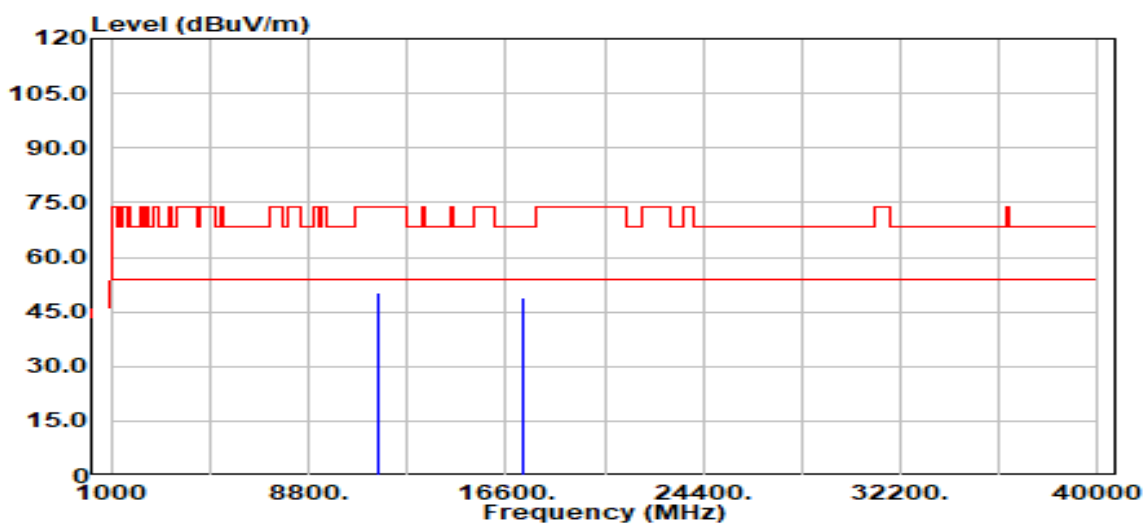


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11510.00 | Peak | 47.79 | 5.00 | 52.79 | 74.00 | -21.21 |
| 11510.00 | Average | 40.70 | 5.00 | 45.70 | 54.00 | -8.30 |
| 17265.00 | Peak | 46.83 | 4.53 | 51.36 | 68.20 | -16.84 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

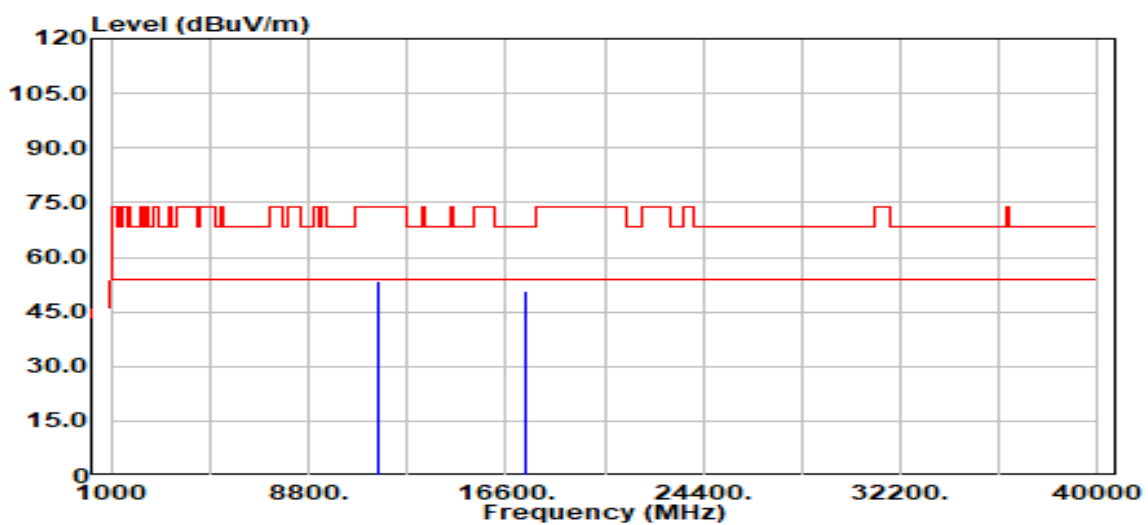


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11510.00 | Peak | 45.35 | 5.00 | 50.35 | 74.00 | -23.65 |
| 11510.00 | Average | 38.64 | 5.00 | 43.64 | 54.00 | -10.37 |
| 17265.00 | Peak | 44.42 | 4.53 | 48.95 | 68.20 | -19.25 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

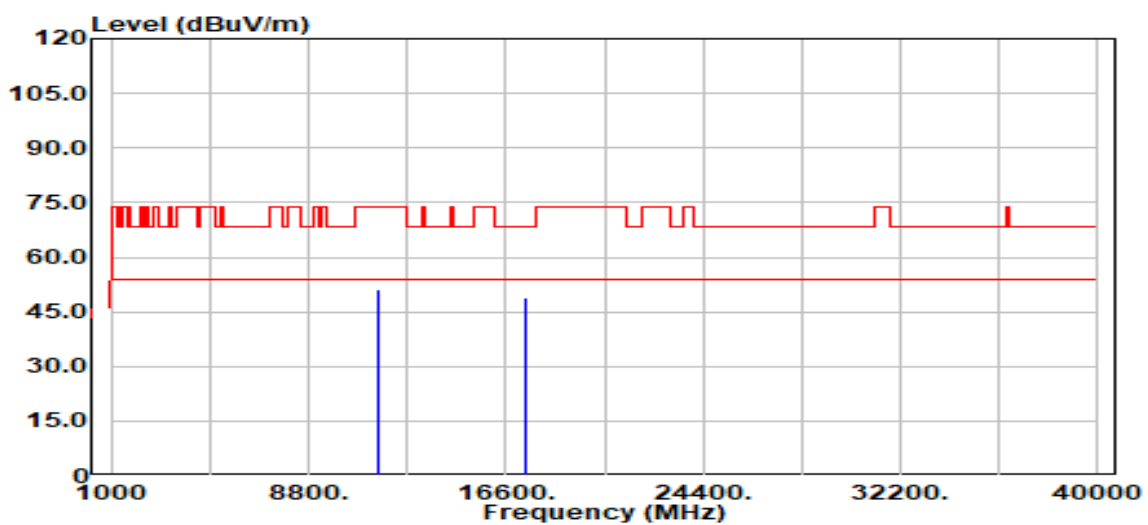


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11590.00 | Peak | 48.48 | 5.10 | 53.57 | 74.00 | -20.43 |
| 11590.00 | Average | 41.29 | 5.10 | 46.39 | 54.00 | -7.61 |
| 17385.00 | Peak | 46.09 | 4.54 | 50.63 | 68.20 | -17.57 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 24.7(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 2, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11590.00 | Peak | 46.04 | 5.10 | 51.14 | 74.00 | -22.86 |
| 11590.00 | Average | 38.31 | 5.10 | 43.40 | 54.00 | -10.60 |
| 17385.00 | Peak | 44.38 | 4.54 | 48.92 | 68.20 | -19.28 |
| N/A | | | | | | |

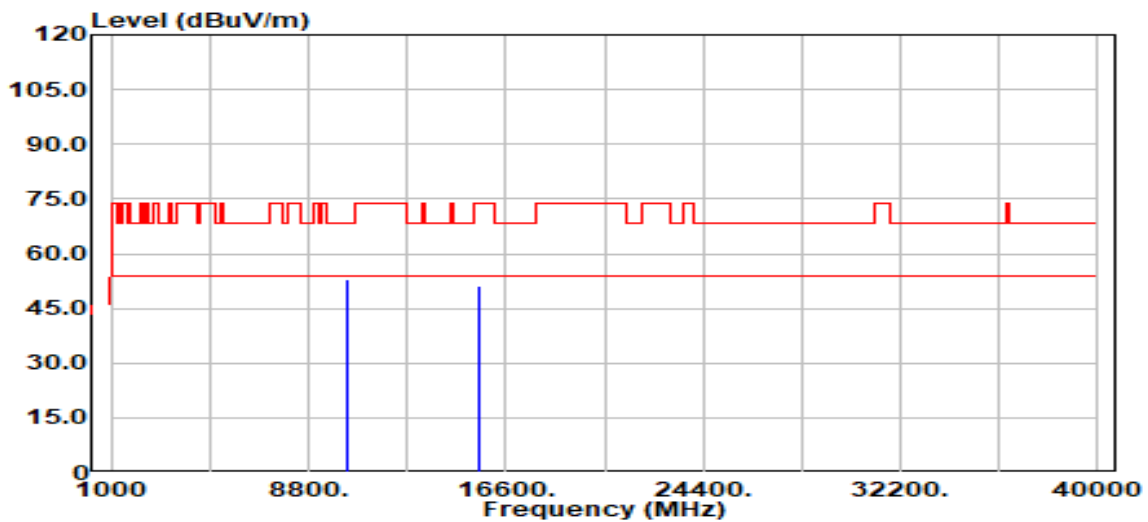
Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Above Test Data: Test Mode: Mode 2 (PIFA Antenna)

Test Data for UNII-1

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

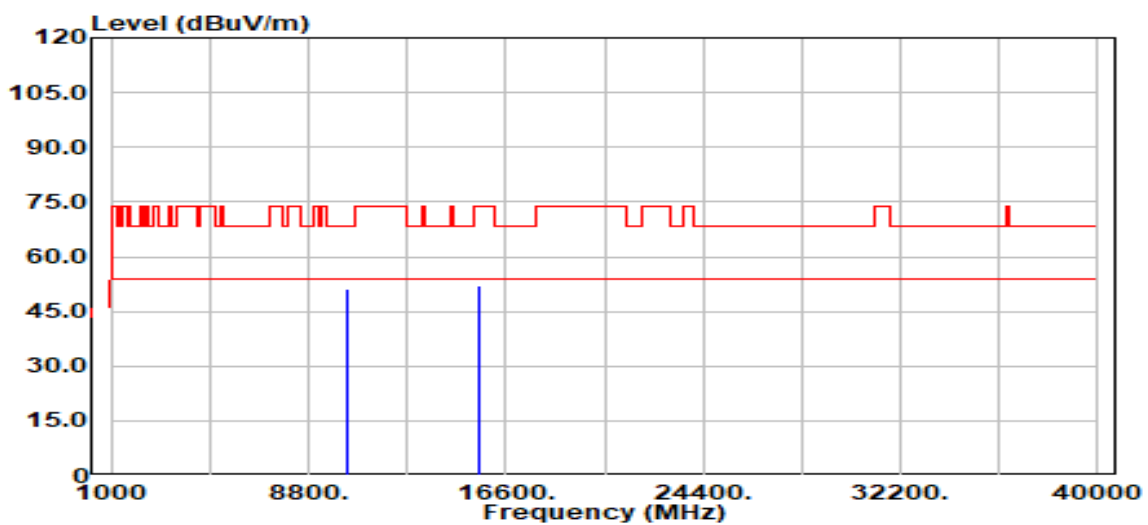


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 48.60 | 4.45 | 53.04 | 68.20 | -15.16 |
| 15540.00 | Peak | 44.01 | 7.11 | 51.13 | 74.00 | -22.87 |
| 15540.00 | Average | 35.06 | 7.11 | 42.18 | 54.00 | -11.82 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

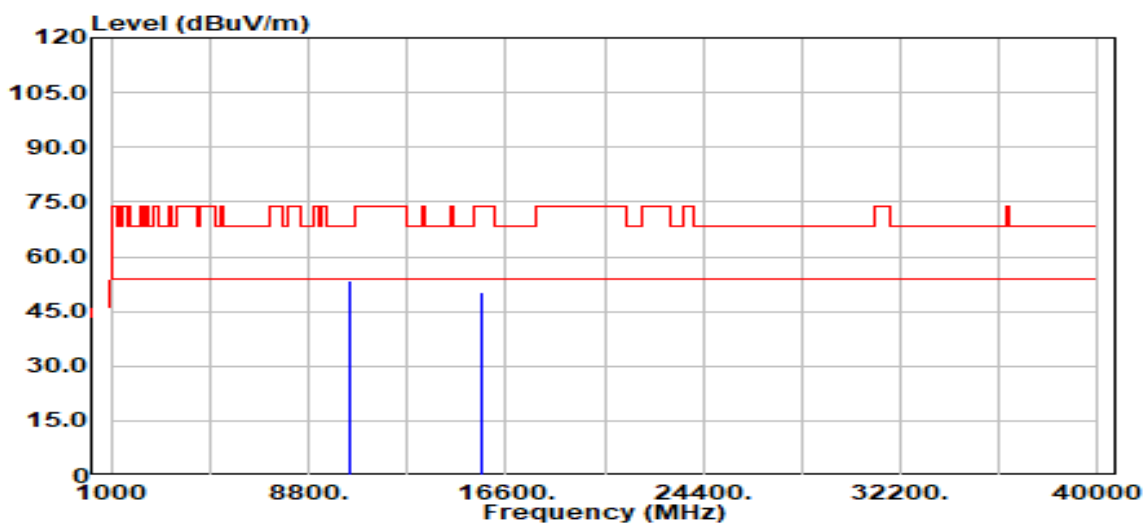


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 46.90 | 4.45 | 51.34 | 68.20 | -16.86 |
| 15540.00 | Peak | 45.13 | 7.11 | 52.25 | 74.00 | -21.75 |
| 15540.00 | Average | 33.70 | 7.11 | 40.82 | 54.00 | -13.19 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonics | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

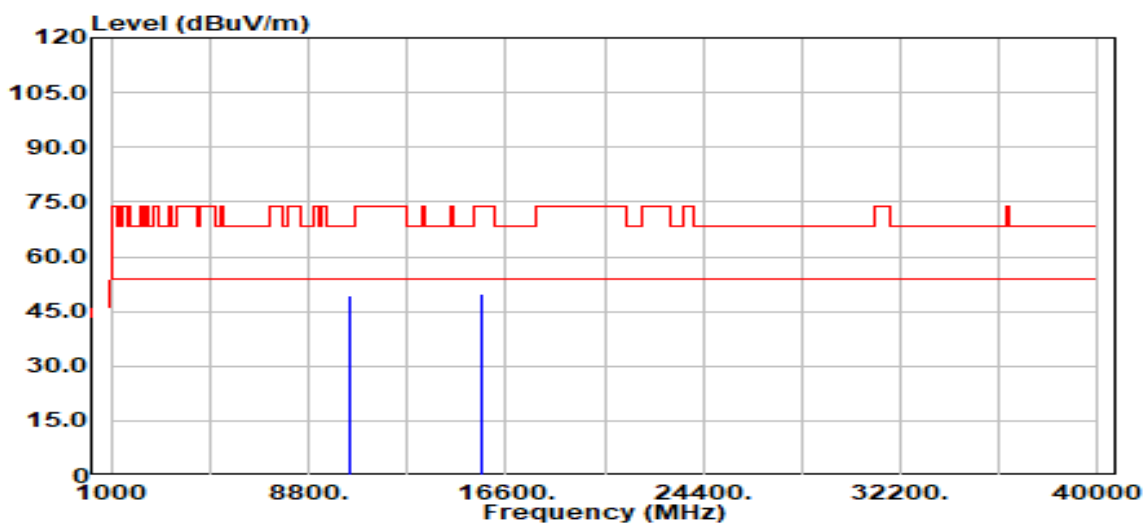


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 49.30 | 4.15 | 53.45 | 68.20 | -14.75 |
| 15660.00 | Peak | 42.78 | 7.33 | 50.11 | 74.00 | -23.89 |
| 15660.00 | Average | 35.61 | 7.33 | 42.95 | 54.00 | -11.05 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

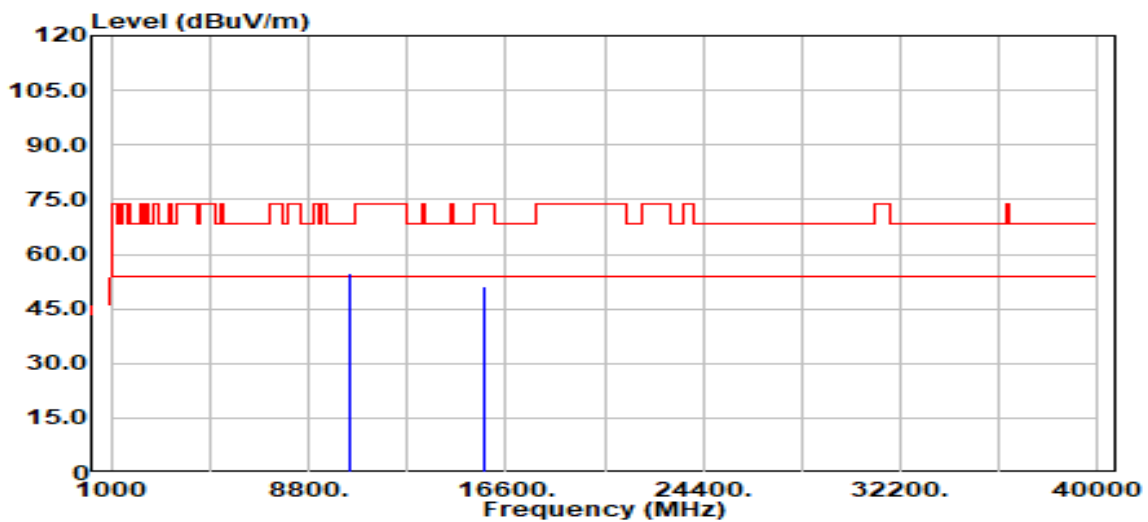


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 45.08 | 4.15 | 49.23 | 68.20 | -18.97 |
| 15660.00 | Peak | 42.29 | 7.33 | 49.62 | 74.00 | -24.38 |
| 15660.00 | Average | 33.77 | 7.33 | 41.10 | 54.00 | -12.90 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

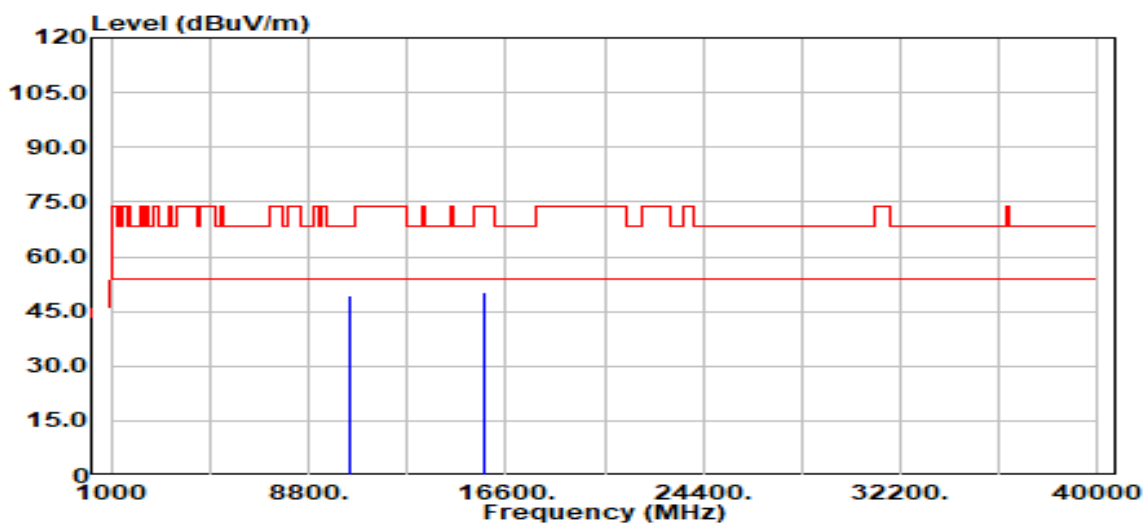


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 50.96 | 4.05 | 55.01 | 68.20 | -13.19 |
| 15720.00 | Peak | 43.54 | 7.53 | 51.07 | 74.00 | -22.93 |
| 15720.00 | Average | 35.59 | 7.53 | 43.13 | 54.00 | -10.87 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 45.46 | 4.05 | 49.51 | 68.20 | -18.69 |
| 15720.00 | Peak | 42.76 | 7.53 | 50.29 | 74.00 | -23.71 |
| 15720.00 | Average | 33.76 | 7.53 | 41.29 | 54.00 | -12.71 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

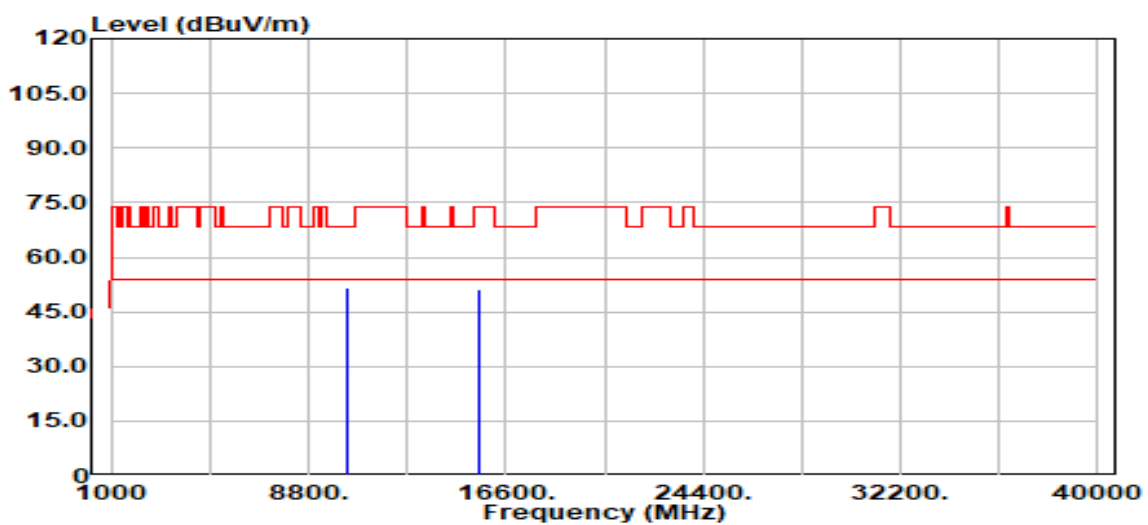


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBPμV) | Factor (dB) | Actual FS (dBPμV/m) | Limit @3m (dBPμV/m) | Margin (dB) |
|----------------|--------------------------------|--------------------------------------|----------------|---------------------------|---------------------------|----------------|
| 10360.00 | Peak | 50.75 | 4.45 | 55.19 | 68.20 | -13.01 |
| 15540.00 | Peak | 43.39 | 7.11 | 50.50 | 74.00 | -23.50 |
| 15540.00 | Average | 33.23 | 7.11 | 40.35 | 54.00 | -13.65 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5180 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

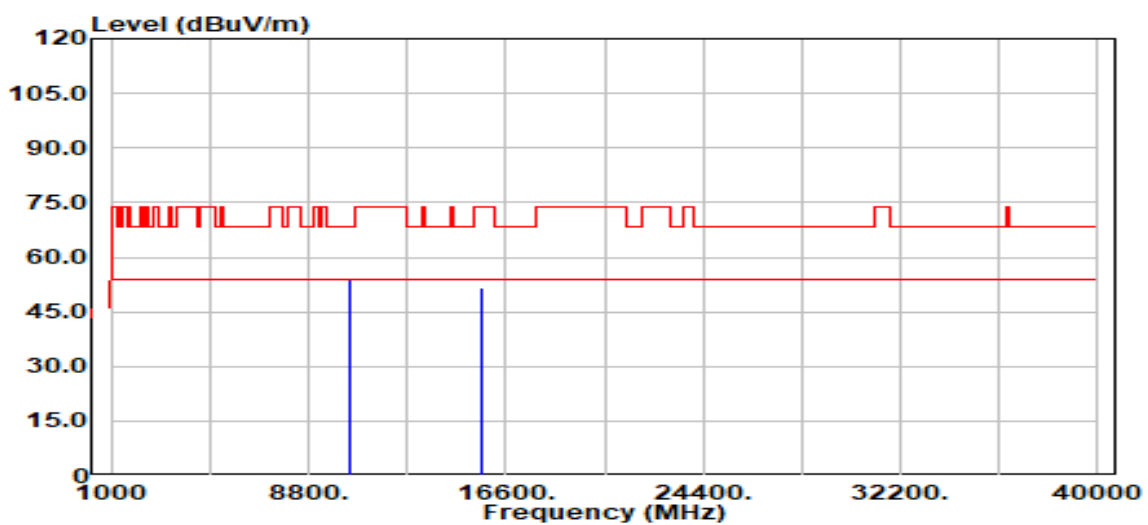


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10360.00 | Peak | 47.27 | 4.45 | 51.71 | 68.20 | -16.49 |
| 15540.00 | Peak | 44.15 | 7.11 | 51.27 | 74.00 | -22.73 |
| 15540.00 | Average | 36.17 | 7.11 | 43.28 | 54.00 | -10.72 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5220 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 49.54 | 4.15 | 53.69 | 68.20 | -14.51 |
| 15660.00 | Peak | 44.40 | 7.33 | 51.74 | 74.00 | -22.26 |
| 15660.00 | Average | 35.67 | 7.33 | 43.00 | 54.00 | -11.00 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5220 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10440.00 | Peak | 49.94 | 4.15 | 54.09 | 68.20 | -14.11 |
| 15660.00 | Peak | 46.55 | 7.33 | 53.88 | 74.00 | -20.12 |
| 15660.00 | Average | 37.17 | 7.33 | 44.51 | 54.00 | -9.49 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

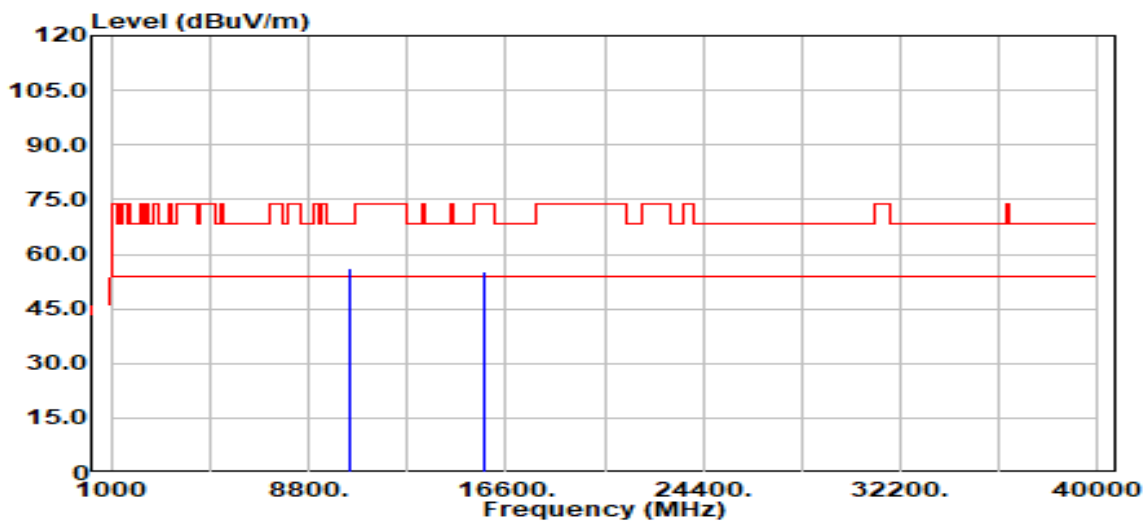


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 48.12 | 4.05 | 52.17 | 68.20 | -16.03 |
| 15720.00 | Peak | 46.43 | 7.53 | 53.97 | 74.00 | -20.03 |
| 15720.00 | Average | 36.30 | 7.53 | 43.84 | 54.00 | -10.16 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5240 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10480.00 | Peak | 52.22 | 4.05 | 56.27 | 68.20 | -11.93 |
| 15720.00 | Peak | 47.93 | 7.53 | 55.46 | 74.00 | -18.54 |
| 15720.00 | Average | 38.15 | 7.53 | 45.68 | 54.00 | -8.32 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10380.00 | Peak | 45.37 | 4.44 | 49.81 | 68.20 | -18.39 |
| 15570.00 | Peak | 42.52 | 7.11 | 49.63 | 74.00 | -24.37 |
| 15570.00 | Average | 33.81 | 7.11 | 40.92 | 54.00 | -13.08 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5190 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10380.00 | Peak | 48.04 | 4.44 | 52.48 | 68.20 | -15.72 |
| 15570.00 | Peak | 43.89 | 7.11 | 51.00 | 74.00 | -23.00 |
| 15570.00 | Average | 34.60 | 7.11 | 41.72 | 54.00 | -12.28 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

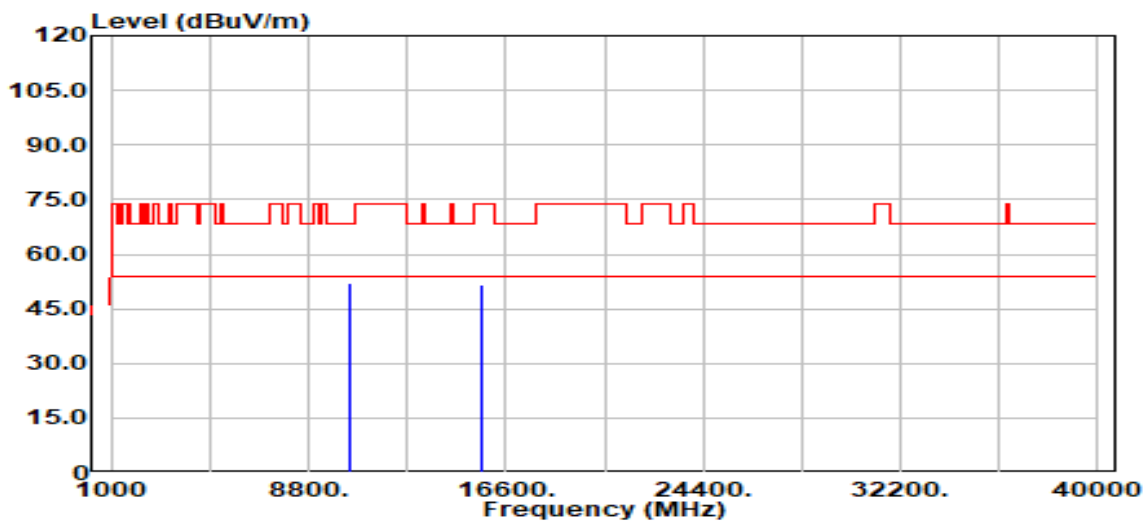


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10460.00 | Peak | 47.78 | 4.07 | 51.85 | 68.20 | -16.35 |
| 15690.00 | Peak | 44.01 | 7.29 | 51.30 | 74.00 | -22.70 |
| 15690.00 | Average | 33.17 | 7.29 | 40.45 | 54.00 | -13.55 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5230 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



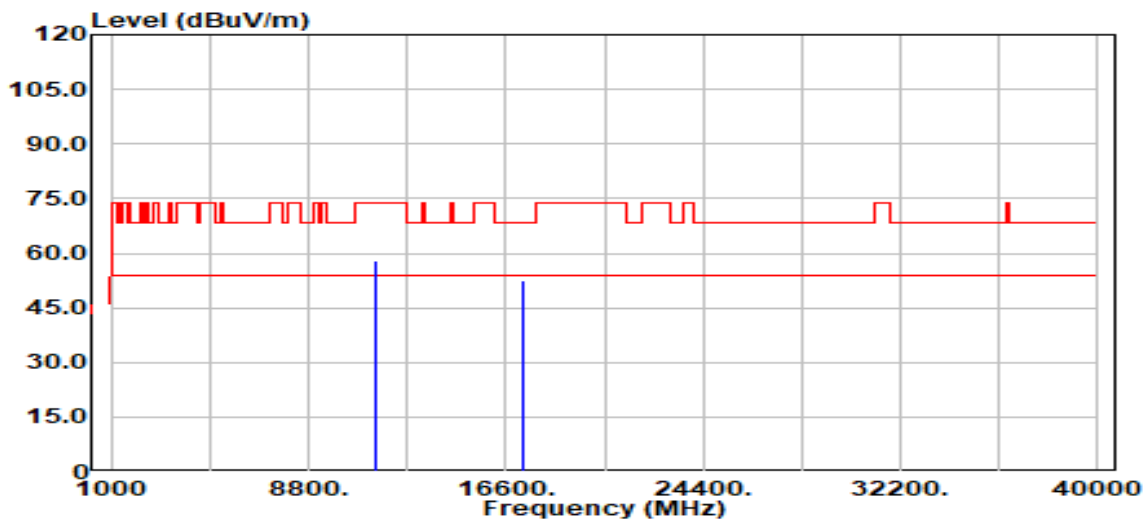
| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 10460.00 | Peak | 47.80 | 4.07 | 51.87 | 68.20 | -16.33 |
| 15690.00 | Peak | 44.28 | 7.29 | 51.57 | 74.00 | -22.43 |
| 15690.00 | Average | 34.48 | 7.29 | 41.77 | 54.00 | -12.23 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Data for UNII-3

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

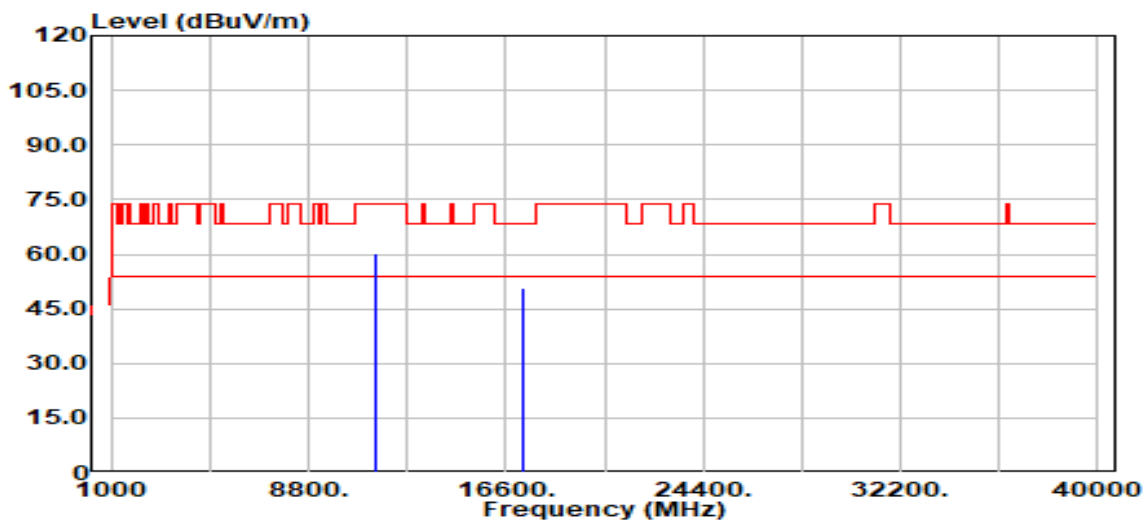


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBPμV) | Factor (dB) | Actual FS (dBPμV/m) | Limit @3m (dBPμV/m) | Margin (dB) |
|----------------|--------------------------------|--------------------------------------|----------------|---------------------------|---------------------------|----------------|
| 11490.00 | Peak | 52.79 | 4.99 | 57.78 | 74.00 | -16.22 |
| 11490.00 | Average | 41.18 | 4.99 | 46.17 | 54.00 | -7.83 |
| 17235.00 | Peak | 48.22 | 4.52 | 52.74 | 68.20 | -15.46 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

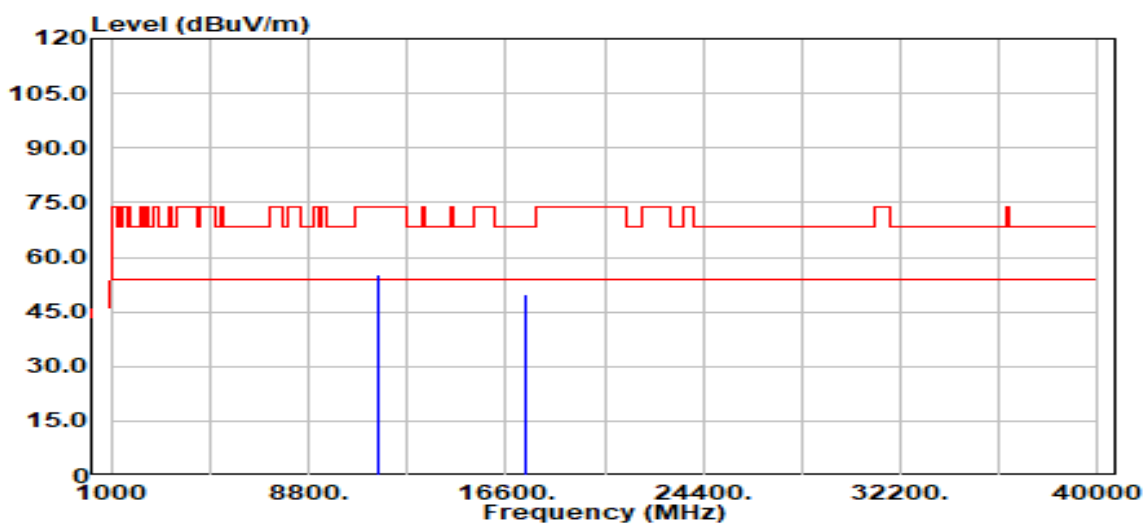


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 55.41 | 4.99 | 60.40 | 74.00 | -13.60 |
| 11490.00 | Average | 44.68 | 4.99 | 49.67 | 54.00 | -4.33 |
| 17235.00 | Peak | 46.32 | 4.52 | 50.84 | 68.20 | -17.36 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonics | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

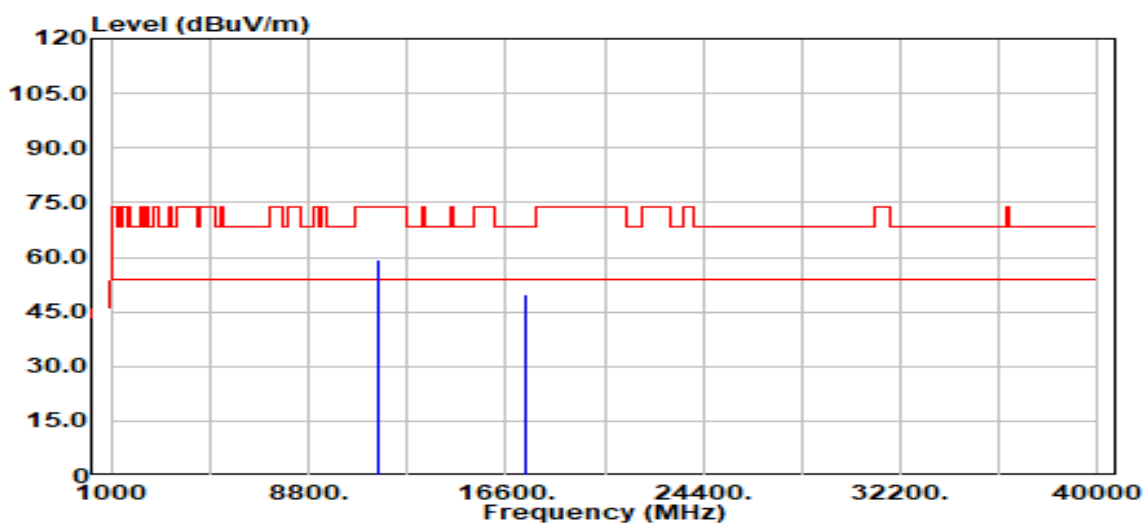


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 50.36 | 5.05 | 55.41 | 74.00 | -18.59 |
| 11570.00 | Average | 41.83 | 5.05 | 46.88 | 54.00 | -7.12 |
| 17355.00 | Peak | 45.07 | 4.61 | 49.68 | 68.20 | -18.52 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

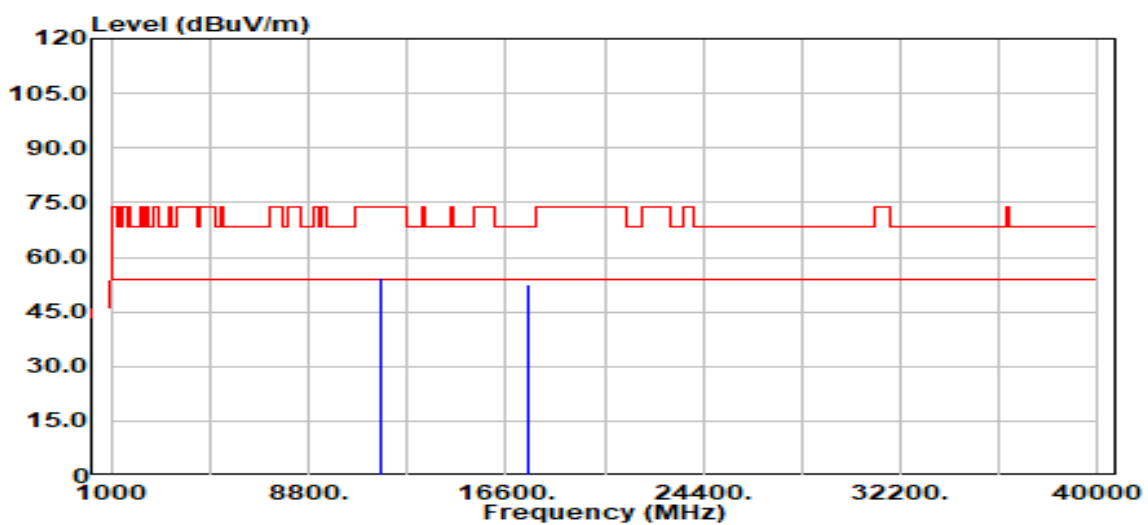


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 54.16 | 5.05 | 59.20 | 74.00 | -14.80 |
| 11570.00 | Average | 44.79 | 5.05 | 49.84 | 54.00 | -4.16 |
| 17355.00 | Peak | 45.13 | 4.61 | 49.74 | 68.20 | -18.46 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 49.47 | 5.03 | 54.50 | 74.00 | -19.50 |
| 11650.00 | Average | 40.74 | 5.03 | 45.77 | 54.00 | -8.23 |
| 17475.00 | Peak | 47.96 | 4.37 | 52.33 | 68.20 | -15.87 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

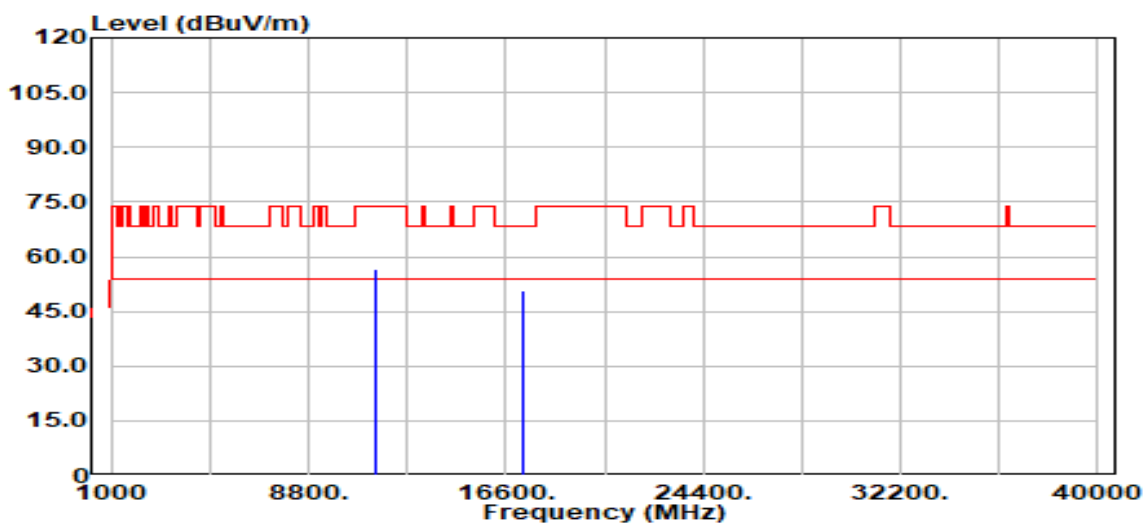


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 51.65 | 5.03 | 56.68 | 74.00 | -17.32 |
| 11650.00 | Average | 43.33 | 5.03 | 48.36 | 54.00 | -5.64 |
| 17475.00 | Peak | 48.87 | 4.37 | 53.24 | 68.20 | -14.96 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

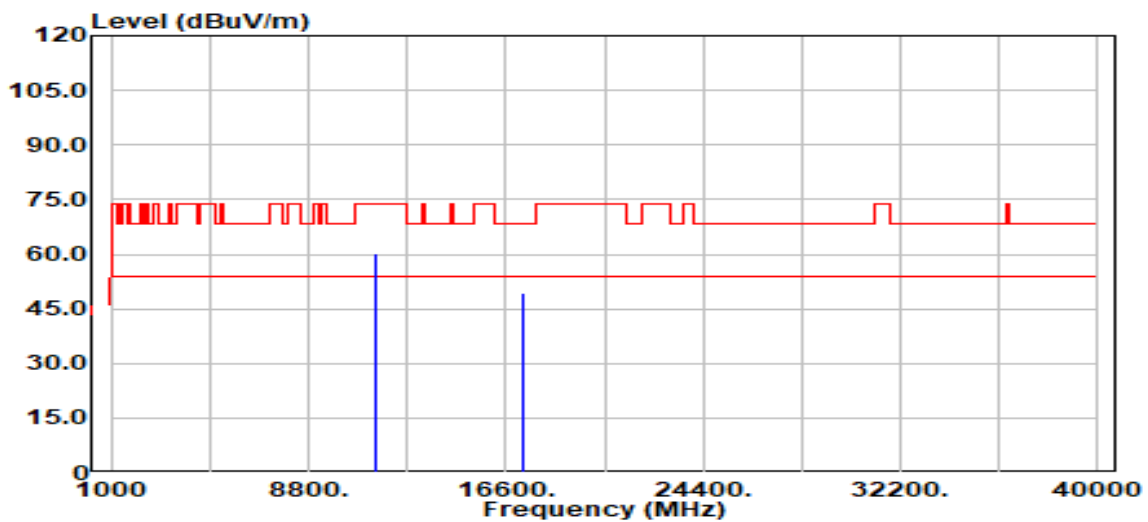


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 51.65 | 4.99 | 56.64 | 74.00 | -17.36 |
| 11490.00 | Average | 42.71 | 4.99 | 47.70 | 54.00 | -6.30 |
| 17235.00 | Peak | 46.16 | 4.52 | 50.68 | 68.20 | -17.52 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5745 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11490.00 | Peak | 55.29 | 4.99 | 60.29 | 74.00 | -13.71 |
| 11490.00 | Average | 45.04 | 4.99 | 50.04 | 54.00 | -3.96 |
| 17235.00 | Peak | 45.04 | 4.52 | 49.56 | 68.20 | -18.64 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5785 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 50.32 | 5.05 | 55.37 | 74.00 | -18.63 |
| 11570.00 | Average | 41.34 | 5.05 | 46.38 | 54.00 | -7.62 |
| 17355.00 | Peak | 48.27 | 4.61 | 52.88 | 68.20 | -15.32 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5785 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

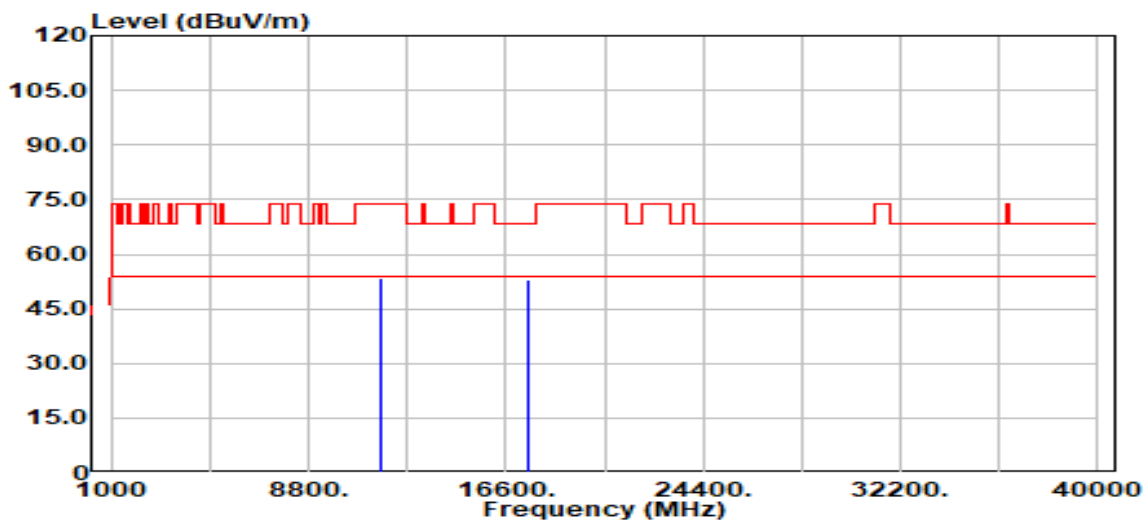


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11570.00 | Peak | 55.93 | 5.05 | 60.97 | 74.00 | -13.03 |
| 11570.00 | Average | 44.58 | 5.05 | 49.62 | 54.00 | -4.38 |
| 17355.00 | Peak | 47.82 | 4.61 | 52.43 | 68.20 | -15.77 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 48.37 | 5.03 | 53.40 | 74.00 | -20.60 |
| 11650.00 | Average | 40.33 | 5.03 | 45.36 | 54.00 | -8.64 |
| 17475.00 | Peak | 48.82 | 4.37 | 53.19 | 68.20 | -15.01 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT20 / 5825 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11650.00 | Peak | 51.87 | 5.03 | 56.90 | 74.00 | -17.10 |
| 11650.00 | Average | 42.95 | 5.03 | 47.98 | 54.00 | -6.02 |
| 17475.00 | Peak | 47.33 | 4.37 | 51.70 | 68.20 | -16.50 |
| N/A | | | | | | |

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

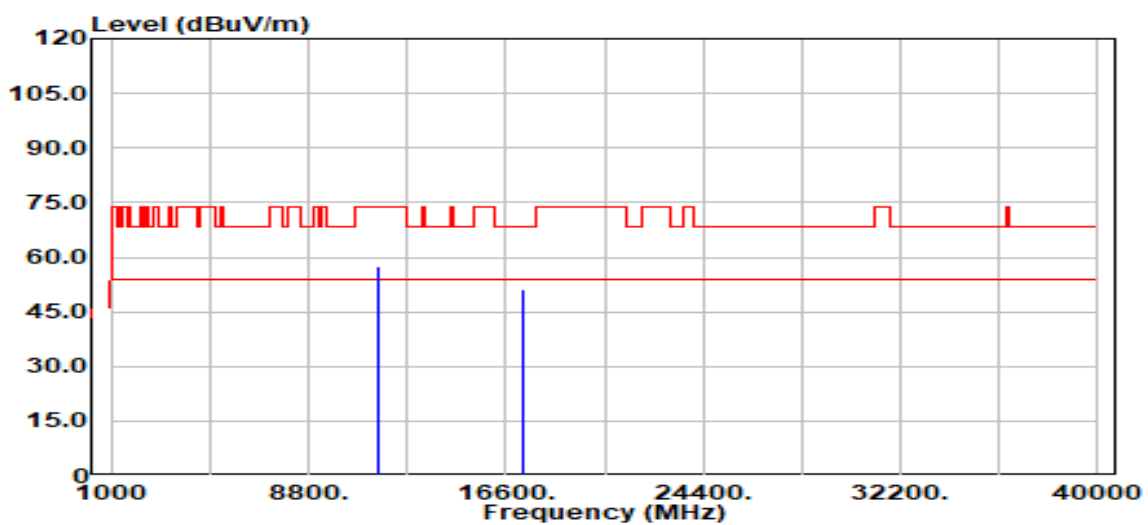


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11510.00 | Peak | 48.29 | 5.00 | 53.29 | 74.00 | -20.71 |
| 11510.00 | Average | 39.76 | 5.00 | 44.76 | 54.00 | -9.24 |
| 17265.00 | Peak | 46.84 | 4.53 | 51.36 | 68.20 | -16.84 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5755 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11510.00 | Peak | 52.50 | 5.00 | 57.50 | 74.00 | -16.50 |
| 11510.00 | Average | 42.72 | 5.00 | 47.72 | 54.00 | -6.29 |
| 17265.00 | Peak | 46.52 | 4.53 | 51.05 | 68.20 | -17.15 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Vertical | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |

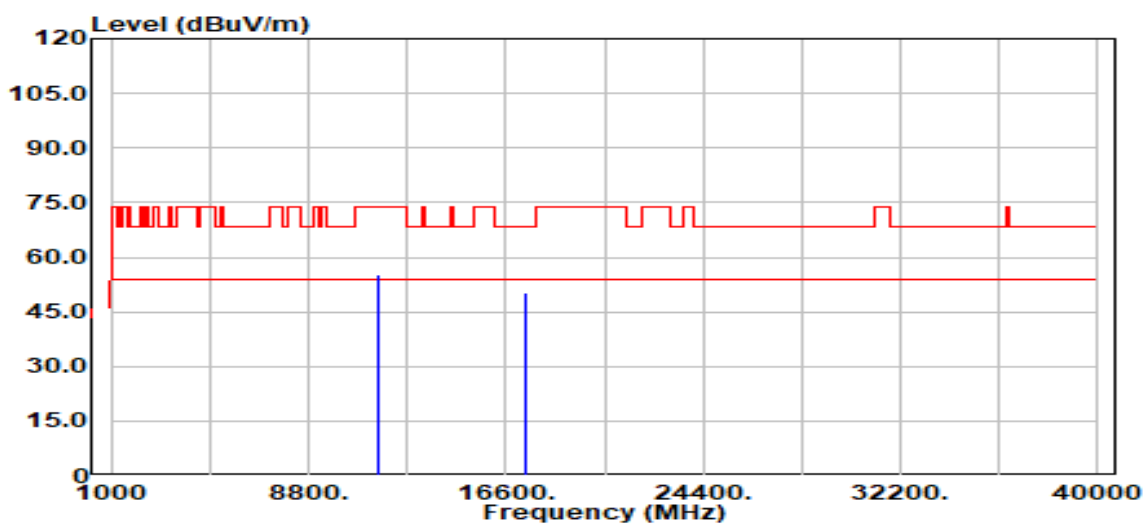


| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBUV) | Factor (dB) | Actual FS (dBUV/m) | Limit @3m (dBUV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11590.00 | Peak | 47.09 | 5.10 | 52.19 | 74.00 | -21.81 |
| 11590.00 | Average | 39.12 | 5.10 | 44.21 | 54.00 | -9.79 |
| 17385.00 | Peak | 46.82 | 4.54 | 51.36 | 68.20 | -16.84 |
| N/A | | | | | | |

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

| | | | |
|-----------|------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n HT40 / 5795 MHz | Temp/Hum | 24.1(°C)/ 61%RH |
| Test Item | Harmonic | Test Date | June 8, 2023 |
| Polarize | Horizontal | Test Engineer | Czerny Lin |
| Detector | Peak & Average | | |



| Freq. (MHz) | Detector Mode (PK/QP/AV) | Spectrum Reading Level (dBμV) | Factor (dB) | Actual FS (dBμV/m) | Limit @3m (dBμV/m) | Margin (dB) |
|----------------|--------------------------------|-------------------------------------|----------------|--------------------------|--------------------------|----------------|
| 11590.00 | Peak | 50.34 | 5.10 | 55.44 | 74.00 | -18.56 |
| 11590.00 | Average | 42.03 | 5.10 | 47.13 | 54.00 | -6.87 |
| 17385.00 | Peak | 45.86 | 4.54 | 50.40 | 68.20 | -17.80 |
| N/A | | | | | | |

Remark:

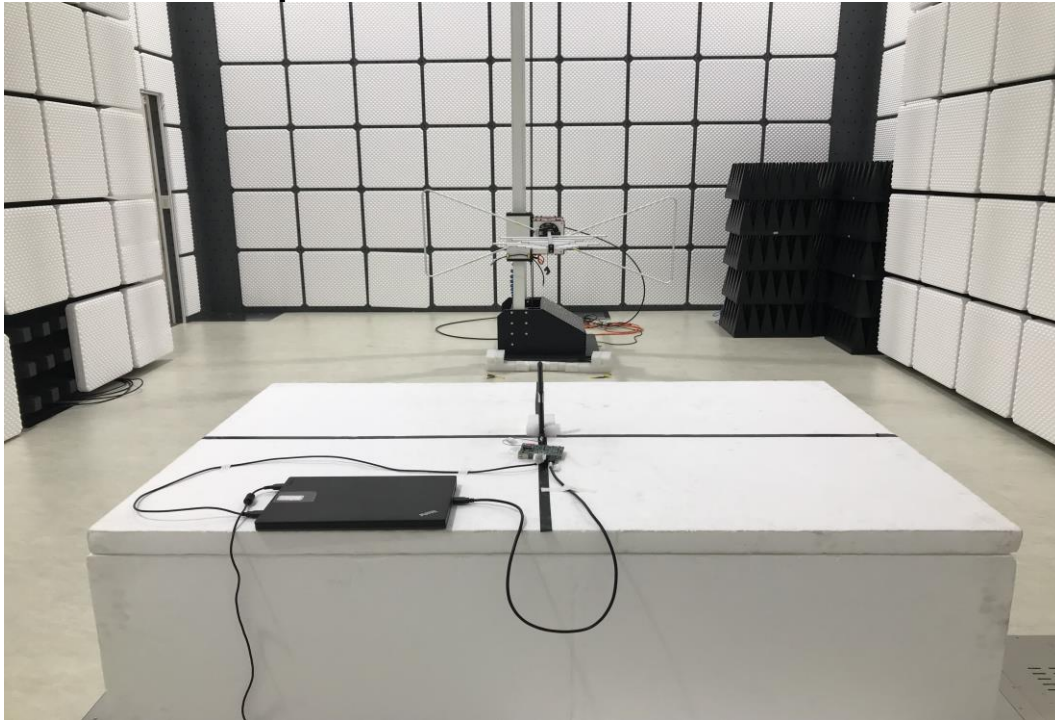
- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

--End of Test Report--

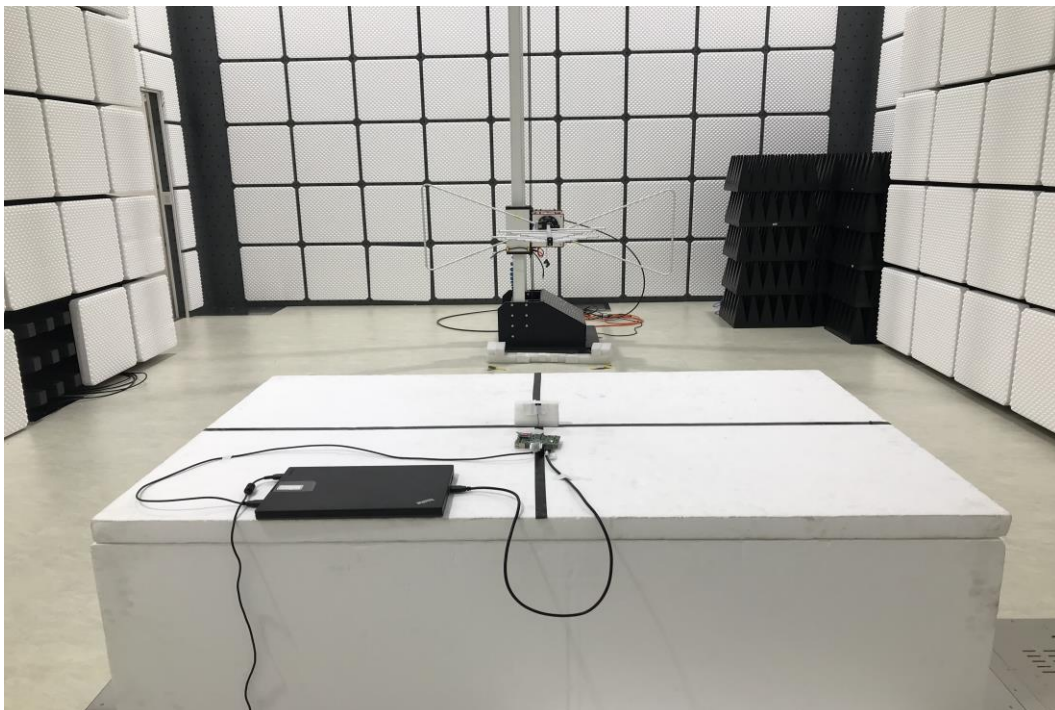
APPENDIX-A TEST PHOTO

Radiation (Below 1GHz)

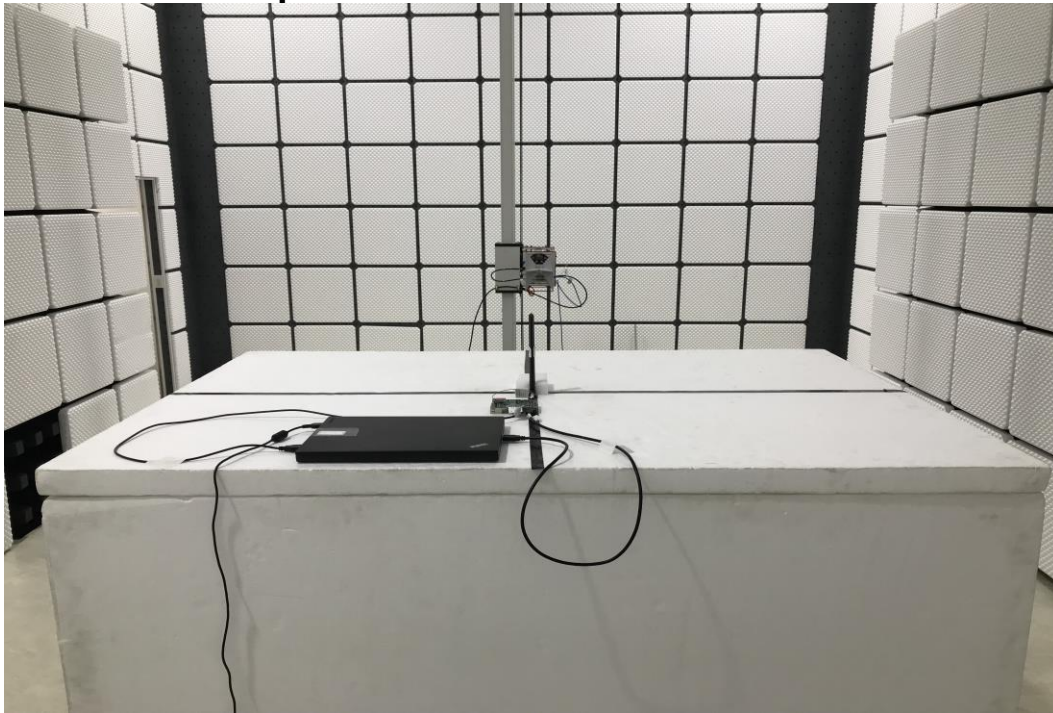
Test Mode 1: Dipole Antenna



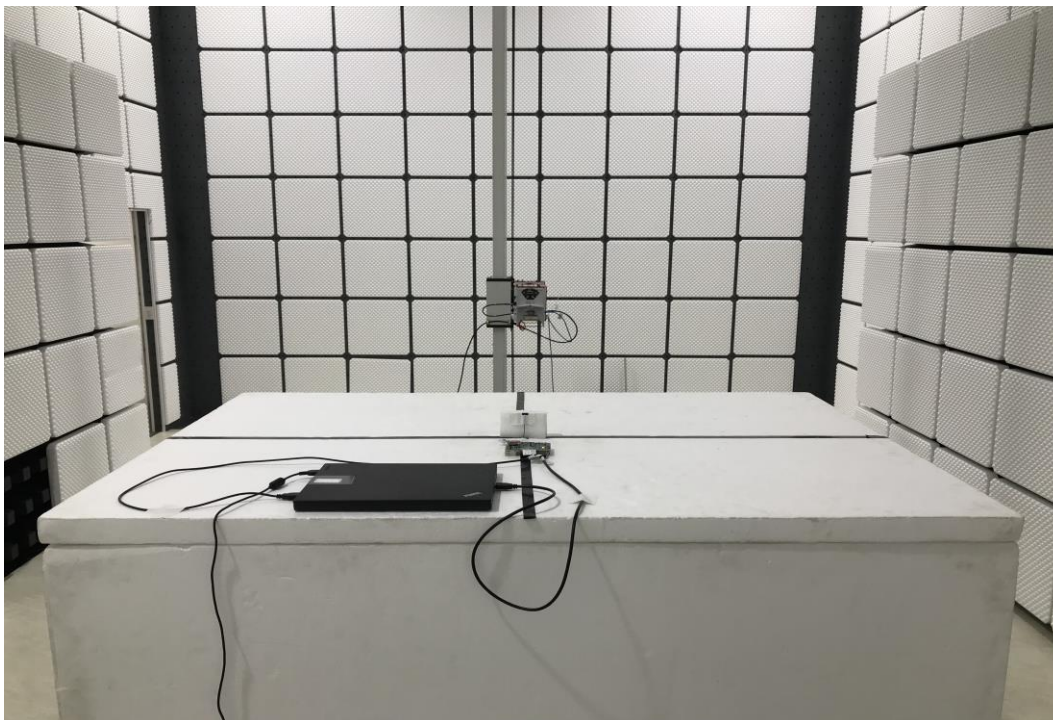
Test Mode 2: PIFA Antenna



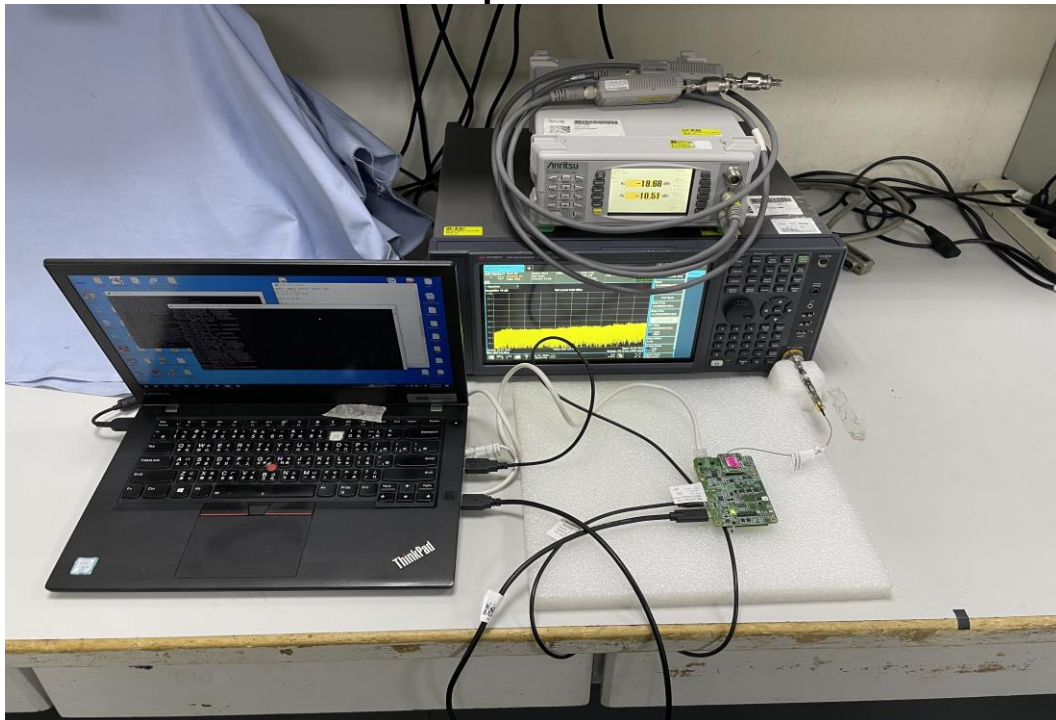
Radiation (Above 1GHz) Test Mode 1: Dipole Antenna



Test Mode 2: PIFA Antenna



Conducted Emission Set Up Photo



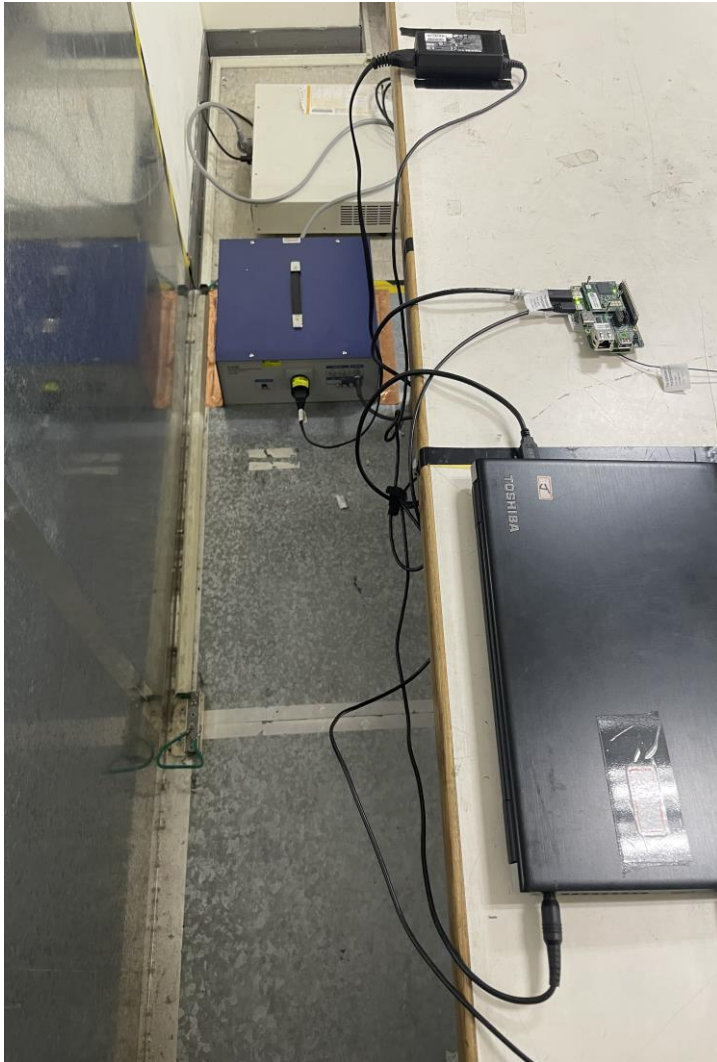
Conduction Test Mode 1: Dipole Antenna



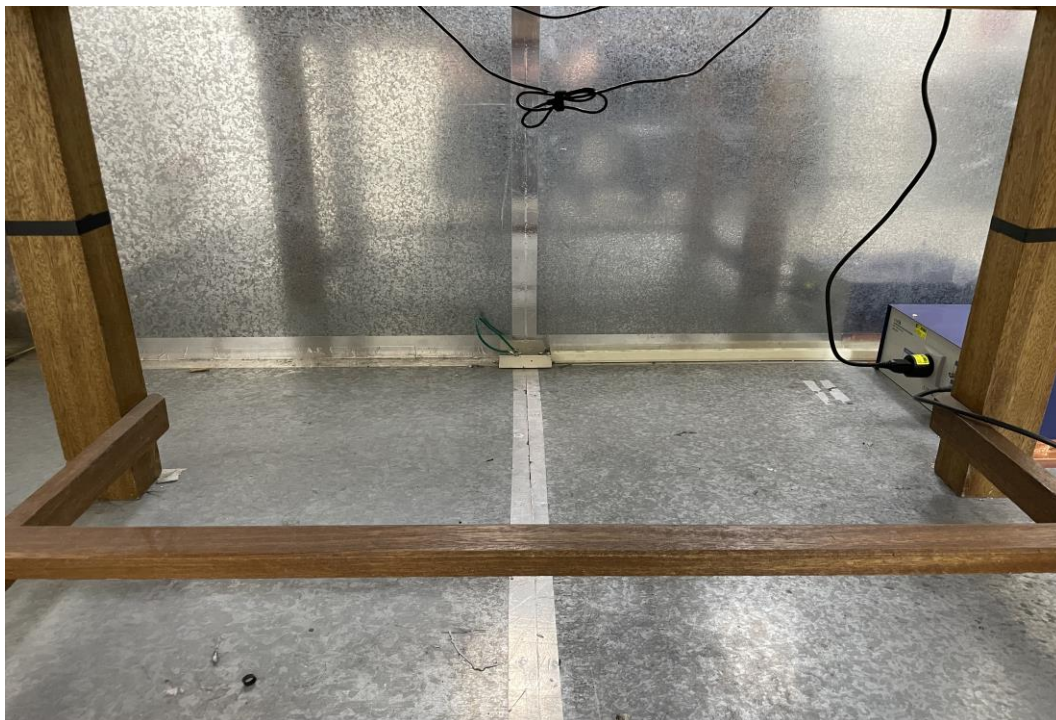
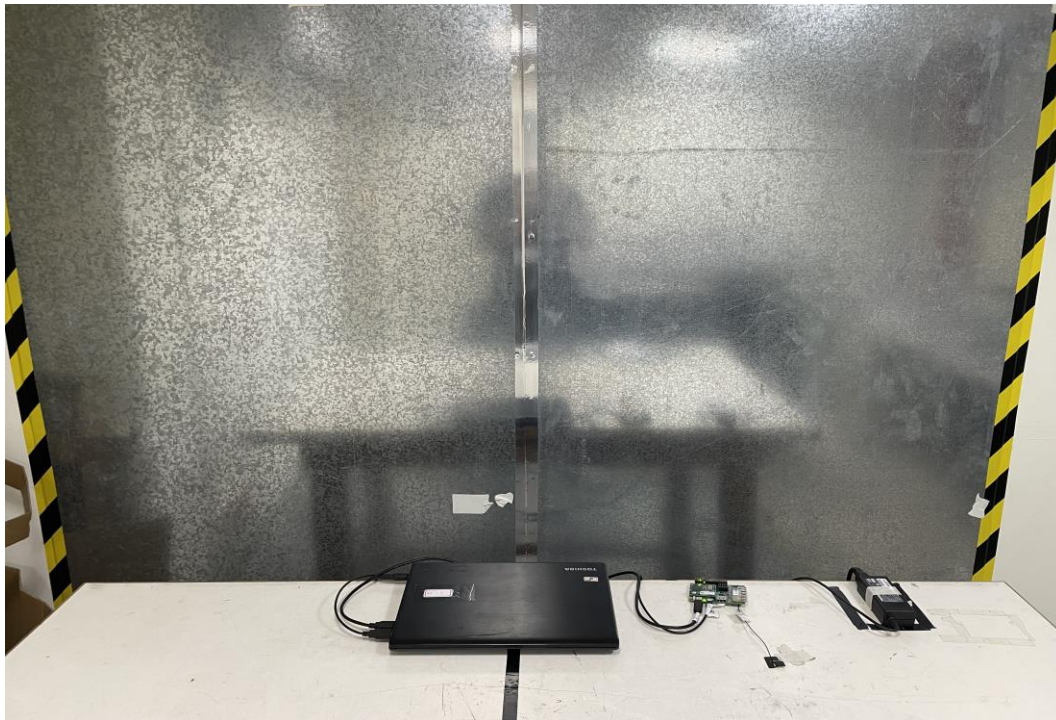
Report No.: TMWK2307002175KR

Page: A-5 / A-7

Rev.: 00



Test Mode 2: PIFA Antenna



Report No.: TMWK2307002175KR

Page: A-7 / A-7

Rev.: 00

