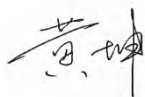


TEST REPORT

Applicant: Quectel Wireless Solutions Co., Ltd.
EUT Description: Wi-Fi 7 & Bluetooth Module
Model: FGE576Q
Brand: Quectel
FCC ID: XMR2024FGE576Q
Standards: FCC 47 CFR Part 15 Subpart E
Date of Receipt: 2024/07/15
Date of Test: 2024/07/15 to 2024/11/15
Date of Issue: 2024/11/19

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.



Huang Kun
Approved By:



Chen Chengfu
Reviewed By:

Revision History

| Rev. | Issue Date | Description | Revised by |
|------|------------|-------------|--------------|
| 01 | 2024/11/19 | Original | Chen Chengfu |

Summary of Test Results

| Clause | FCC Part | Test Items | Result |
|--------|-----------------------------------|----------------------------------|-------------------------|
| 4.1 | §15.203 | Antenna Requirement | PASS |
| 4.2 | §15.407g | Frequency Stability | --- |
| 4.3 | §15.207 | AC Power Line Conducted Emission | PASS |
| 4.4 | §15.407a(8) | Maximum e.i.r.p. Output Power | PASS |
| 4.5 | §15.407a(8) | Maximum Power Spectral Density | PASS |
| 4.5 | §15.407a(10) | Emission Bandwidth | PASS |
| 4.6 | §2.1049 | 99% Occupied Bandwidth | Reporting purposes only |
| 4.7 | §15.407b(7) | In-Band Emissions (Channel Mask) | PASS |
| 4.8 | §15.407d(6) | Contention Based Protocol | PASS |
| 4.9 | §15.407b(6) §15.205 §15.209 | Unwanted Emissions | PASS |

Test Method:

ANSI C63.10:2020.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

KDB 987594 D01 U-NII 6GHz General Requirements v01r02.

KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01.

Remark: Pass is EUT meets standard requirements.

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1 General Description

1.1 Lab Information

1.1.1 Testing Location

These measurements tests were conducted at the Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. facility located at F401 and F101, Building E, Hongwei Industrial Zone, Liuxian 3rd Road, Bao'an District, Shenzhen, China. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014

Tel.: +86-755-27212361

Contact Email: info@towewireless.com

1.1.2 Test Facility / Accreditations

A2LA (Certificate Number: 7088.01)

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

FCC Designation No.: CN1353

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized as an accredited testing laboratory. Designation Number: CN1353.

ISED CAB identifier: CN0152

Sushi TOWE Wireless Testing(Shenzhen) Co., Ltd. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0152

Company Number: 31000

1.2 Client Information

1.2.1 Applicant

| | |
|------------|--|
| Applicant: | Quectel Wireless Solutions Co., Ltd. |
| Address: | Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233 |

1.2.2 Manufacturer

| | |
|---------------|--|
| Manufacturer: | Quectel Wireless Solutions Co., Ltd. |
| Address: | Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai, China, 200233 |

1.3 Product Information

| | | | | |
|---|---|---|-----------------|-----------------|
| EUT Description: | Wi-Fi 7 & Bluetooth Module | | | |
| Model: | FGE576Q | | | |
| Brand: | Quectel | | | |
| Hardware Version: | R1.0 | | | |
| Software Version: | / | | | |
| SN: | RF Conducted | D1Y24EB28000031 | | |
| | RSE & AC power line | D1Y24EB28000030 | | |
| Modulation Type: | 802.11a: | OFDM-BPSK, QPSK, 16QAM, 64QAM | | |
| | 802.11ax: | OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM | | |
| | 802.11be: | OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM | | |
| Smart System: | <input checked="" type="checkbox"/> SISO: | 802.11a/ax/be | / | |
| | <input checked="" type="checkbox"/> MIMO | 802.11ax/be | (2)TX(2)RX | |
| | <input checked="" type="checkbox"/> CDD | 802.11a | (2)TX(2)RX | |
| Classification: | <input checked="" type="checkbox"/> Low power Indoor Client(6XD) <input type="checkbox"/> Low power Indoor Access points(6ID) <input type="checkbox"/> Subordinate device(6PP) <input type="checkbox"/> Low power Dual Client(6CD) | | | |
| Frequency Range: | U-NII-5: | 5925 ~ 6425 MHz | | |
| | U-NII-6: | 6425 ~ 6525 MHz | | |
| | U-NII-7: | 6525 ~ 6875 MHz | | |
| | U-NII-8: | 6875 ~ 7125 MHz | | |
| Antenna Type: | Dipole Antenna | | | |
| Antenna Gain: | Frequency Range | ANT Model | ANT Port 1(dBi) | ANT Port 2(dBi) |
| | 5925 ~ 6425 MHz: | YEBT038WFA | 1.6 | 1.6 |
| | 6425 ~ 6525 MHz: | YEBT038WFA | 1.6 | 1.6 |
| | 6525 ~ 6875 MHz: | YEBT038WFA | 1.6 | 1.6 |
| | 6875 ~ 7125 MHz: | YEBT038WFA | 1.6 | 1.6 |
| Remark: The above EUT's information was declared by applicant, please refer to the specifications or user's manual for more detailed description. | | | | |

2 Test Configuration

2.1 Test Channel

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

| Frequency Channels for U-NII-5 | | |
|--------------------------------|----------------------------|----------------|
| Modulation Type | Test Channel | Test Frequency |
| 802.11a/ ax20/be20 | The Lowest channel (CH1) | 5955MHz |
| | The Middle channel (CH45) | 6175MHz |
| | The Highest channel (CH93) | 6415MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax40/be40 | The Lowest channel (CH3) | 5965MHz |
| | The Middle channel (CH43) | 6165MHz |
| | The Highest channel (CH91) | 6405MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax80/be80 | The Lowest channel (CH7) | 5985MHz |
| | The Middle channel (CH39) | 6145MHz |
| | The Highest channel (CH87) | 6385MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax160/be160 | The Lowest channel (CH15) | 6025MHz |
| | The Middle channel (CH47) | 6185MHz |
| | The Highest channel (CH79) | 6345MHz |

| Frequency Channels for U-NII-6 | | |
|--------------------------------|-----------------------------|----------------|
| Modulation Type | Test Channel | Test Frequency |
| 802.11a/ ax20/be20 | The Lowest channel (CH97) | 6435MHz |
| | The Middle channel (CH105) | 6475MHz |
| | The Highest channel (CH113) | 6515MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax40/be40 | The Lowest channel (CH99) | 6445MHz |
| | The Middle channel (CH107) | 6485MHz |
| | The Highest channel (CH115) | 6525MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax80/be80 | The Middle channel (CH103) | 6465MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax160/be160 | The Middle channel (CH111) | 6505MHz |

| Frequency Channels for U-NII-7 | | |
|--------------------------------|-----------------------------|----------------|
| Modulation Type | Test Channel | Test Frequency |
| 802.11a/ ax20/be20 | The Lowest channel (CH117) | 6535MHz |
| | The Middle channel (CH149) | 6695MHz |
| | The Highest channel (CH185) | 6875MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax40/be40 | The Lowest channel (CH123) | 6565MHz |
| | The Middle channel (CH147) | 6685MHz |
| | The Highest channel (CH179) | 6845MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax80/be80 | The Lowest channel (CH119) | 6545MHz |
| | The Middle channel (CH151) | 6705MHz |
| | The Highest channel (CH183) | 6865MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax160/be160 | The Lowest channel (CH143) | 6665MHz |
| | The Highest channel (CH175) | 6825MHz |

| Frequency Channels for U-NII-8 | | |
|--------------------------------|-----------------------------|----------------|
| Modulation Type | Test Channel | Test Frequency |
| 802.11a/ ax20/be20 | The Lowest channel (CH189) | 6895MHz |
| | The Middle channel (CH209) | 6995MHz |
| | The Highest channel (CH233) | 7115MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax40/be40 | The Lowest channel (CH187) | 6885MHz |
| | The Middle channel (CH203) | 6965MHz |
| | The Highest channel (CH227) | 7085MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax80/be80 | The Lowest channel (CH199) | 6945MHz |
| | The Highest channel (CH215) | 7025MHz |
| Modulation Type | Test Channel | Test Frequency |
| 802.11ax160/be160 | The Middle channel (CH207) | 6985MHz |

2.2 Worst-case configuration and Mode

| Modulation Type | SISO - Data Rate | CDD/MIMO(2)TX(2)RX Data Rate |
|--------------------|--|-------------------------------------|
| 802.11a | 6 Mbps | 12 Mbps |
| 802.11ax20 | MCS0 (8.6 Mbps) | MCS0 (17.2 Mbps) |
| 802.11ax40 | MCS0 (17.2 Mbps) | MCS0 (34.4 Mbps) |
| 802.11ax80 | MCS0 (36.0 Mbps) | MCS0 (72.1 Mbps) |
| 802.11ax160 | MCS0 (72.1 Mbps) | MCS0 (144.1 Mbps) |
| 802.11be20 | MCS0 (8.6 Mbps) | MCS0 (17.2 Mbps) |
| 802.11be40 | MCS0 (17.2 Mbps) | MCS0 (34.4 Mbps) |
| 802.11be80 | MCS0 (36.0 Mbps) | MCS0 (72.1 Mbps) |
| 802.11be160 | MCS0 (72.1 Mbps) | MCS0 (144.1 Mbps) |
| Transmitting mode: | Keep the EUT was programmed to be in continuously transmitting mode. | |
| Normal Link: | Keep the EUT operation to normal function. | |

2.3 Test RU Types & Channel Bandwidth:

| RU Types | be20 | be40 | be80 | be160 |
|-------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 26-tone RU | 26 tone_0 26 tone_8 | / | / | / |
| 52-tone RU | 52 tone_37 52 tone_40 | / | / | / |
| 106-tone RU | 106 tone_53 106 tone_54 | / | / | / |
| 242-tone RU | / | 242 tone 61 242 tone 62 | / | / |
| 484-tone RU | / | / | 484 tone 65 484 tone 66 | / |
| 996-tone RU | / | / | / | 996 tone 67 996 tone 68 |

2.4 Support Unit used in test

| Description | Manufacturer | Model | Serial Number |
|---|---|---------------------|-----------------|
| Development Board* | Quectel | SG368Z-WF-EVB_V1.1 | E1C24G52C000022 |
| Development Board* | Quectel | SG368Z-WF-TE-A_V1.1 | D1C24FK0F000028 |
| Development Board* | Quectel | FGE576Q-M.2_V1.2 | E1Y24EN2K000019 |
| Development Board* | Quectel | FGE576Q-M.2_V1.2 | E1Y24EN2K000025 |
| SWITCHING POWER SUPPLY* | Sonething High Electric(Xiamen) Company Inc | P60EB120500 | 000026 |
| Remark: * the information of table is provided by client. | | | |

2.5 Test Environment

| | |
|--|---|
| Temperature: | Normal: 15°C ~ 35°C |
| Humidity: | 45-56 % RH Ambient |
| Voltage: | DC 3.3V (Module Input) DC 12V (Adapter Output) |
| Remark: The testing environment is within the scope of the EUT user manual and meets the requirements of the standard testing environment. | |

2.6 Test RF Cable

For all conducted test items: The offset level is set spectrum analyzer to compensate the RF cable loss and attenuator factor between RF conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level will be exactly the RF output level.

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

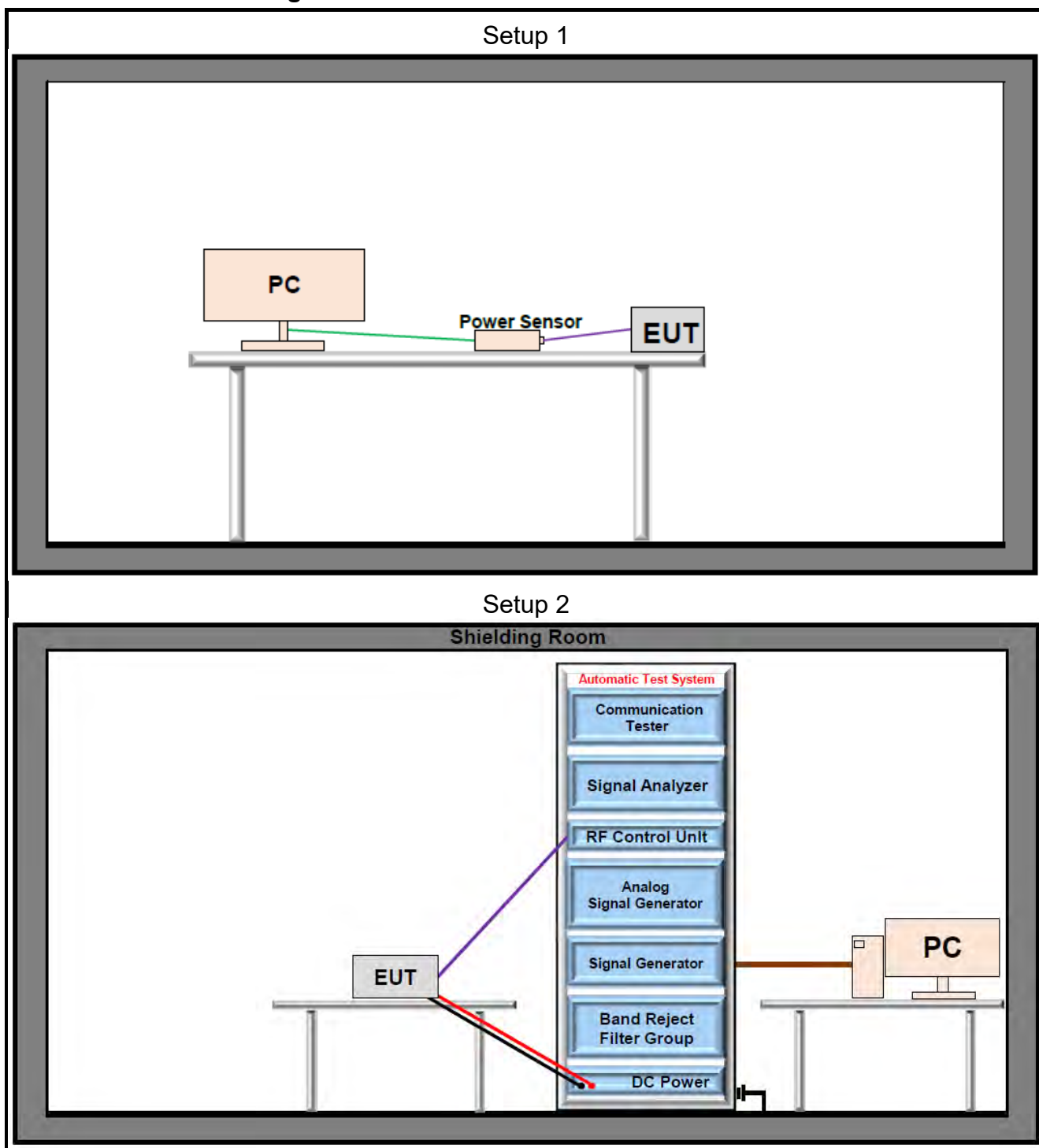
Offset = RF cable loss + attenuator factor.

2.7 Modifications

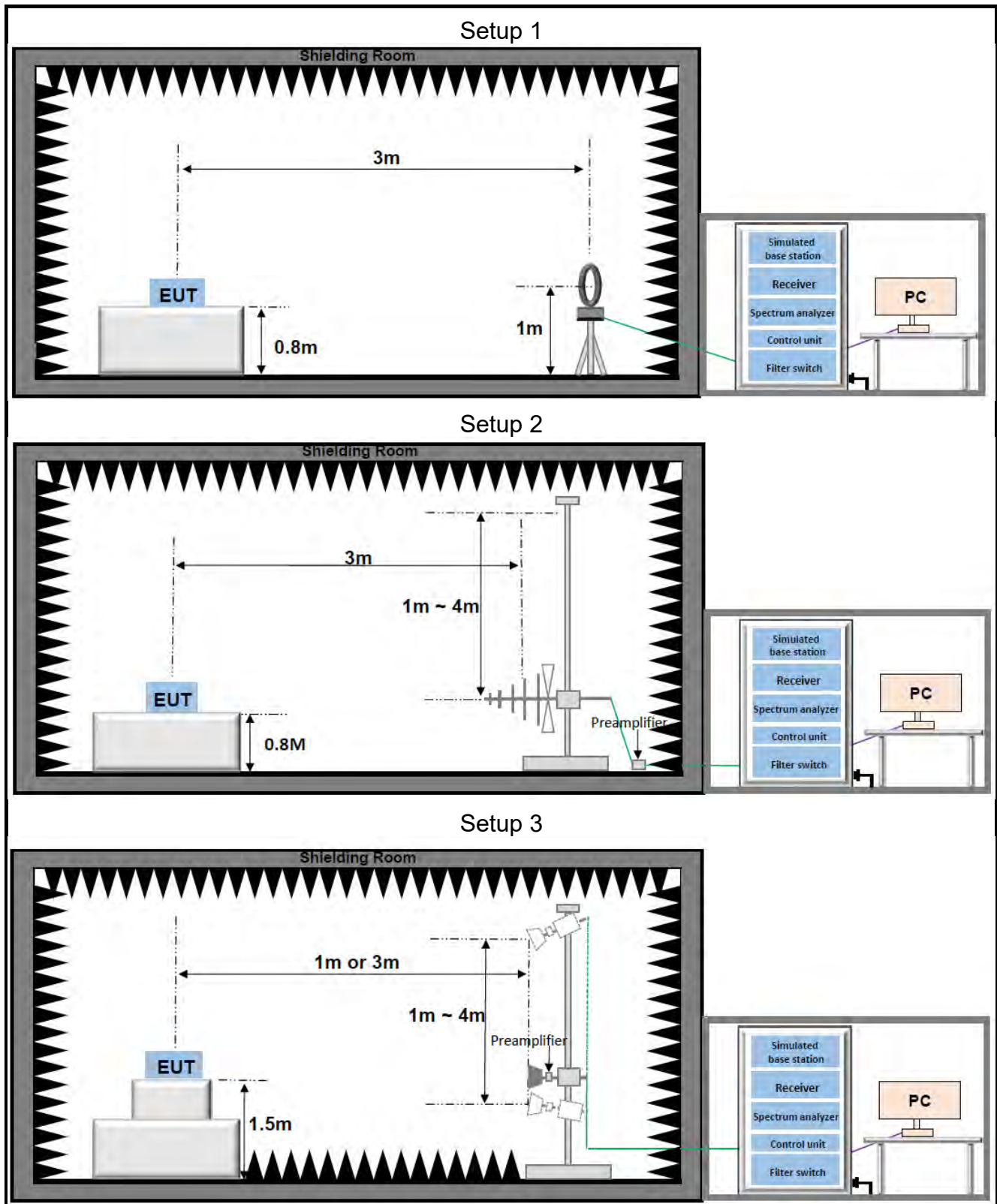
No modifications were made during testing.

2.8 Test Setup Diagram

2.8.1 Conducted Configuration



2.8.2 Radiated Configuration



Directional gain calculations:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices

$$\text{Array Gain} = 10 \log(N_{ANT}/N_{SS}=1) \text{ dB}$$

- For power measurements on IEEE 802.11 devices:

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for } N_{ANT} \leq 4;$$

$$\text{Array Gain} = 0 \text{ dB (i.e., no array gain) for channel widths } \geq 40 \text{ MHz for any } N_{ANT};$$

$$\text{Array Gain} = 5 \log(N_{ANT}/N_{SS}=1) \text{ dB or } 3 \text{ dB, whichever is less, for 20-MHz channel widths with } N_{ANT} \geq 5.$$

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Unequal antenna gains, with equal transmit powers. For antenna gains given by G_1, G_2, \dots, G_N dBi

- If transmit signals are correlated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]}$$

- If all transmit signals are completely uncorrelated, then

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

The Power and PSD limit should be modified if the directional gain of EUT is over 6dBi.

The EUT supports CDD System.

| Transmit signals are completely uncorrelated | | | | |
|--|-----------------|-----------------|----------------------------------|--------------------------------|
| Operation Band | ANT Gain1 (dBi) | ANT Gain2 (dBi) | Directional gain For Power (dBi) | Directional gain For PSD (dBi) |
| 5925 ~ 6425 MHz | 1.6 | 1.6 | 1.6 | 4.61 |
| 6425 ~ 6525 MHz | 1.6 | 1.6 | 1.6 | 4.61 |
| 6525 ~ 6875 MHz | 1.6 | 1.6 | 1.6 | 4.61 |
| 6875 ~ 7125 MHz | 1.6 | 1.6 | 1.6 | 4.61 |

3 Equipment and Measurement Uncertainty

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, whichever is less, and where applicable is traceable to recognized national standards.

3.1 Test Equipment List

| RF | | | | | |
|----------------------------------|--------------|----------|-------------|------------|------------|
| Description | Manufacturer | Model | SN | Last Due | Cal Due |
| Signal Analyzer | Keysight | N9020A | US46470429 | 2024/03/25 | 2025/03/24 |
| Signal Generator | R&S | SMR20 | 101027 | 2024/03/25 | 2025/03/24 |
| Vector Signal Generator | R&S | SMM100A | 549353 | 2024/05/30 | 2025/05/29 |
| EXA Signal Analyzer, Multi-touch | Keysight | N9010B | MY63440541 | 2024/05/30 | 2025/05/29 |
| Power Sensor | Anritsu | MA24408A | 12520 | 2024/05/30 | 2025/05/29 |
| RF Control Unit | Tonscend | JS0806-2 | 23C80620671 | 2024/05/30 | 2025/05/29 |
| Measurement Software | Tonscend | JS1120-3 | 10659 | N/A | N/A |

| Radiated Emission | | | | | |
|---------------------------------------|--------------|-------------|--------------|------------|------------|
| Description | Manufacturer | Model | SN | Last Due | Cal Due |
| Biconic Logarithmic Periodic Antennas | Schwarzbeck | VULB9163 | 1643 | 2023/06/25 | 2025/06/24 |
| Double-Ridged Horn Antennas | Schwarzbeck | BBHA 9120D | 2809 | 2023/06/25 | 2025/06/24 |
| Broad-Band Horn Antenna | Schwarzbeck | BBHA 9170 | 1290 | 2023/06/25 | 2025/06/24 |
| Loop Antenna | Schwarzbeck | FMZB 1519C | 1519C-028 | 2023/06/29 | 2025/06/28 |
| Signal Analyzer | Keysight | N9020A | MY49100252 | 2024/03/25 | 2025/03/24 |
| EXA Signal Analyzer, Multi-touch | Keysight | N9010B | MY63440541 | 2024/05/30 | 2025/05/29 |
| Wideband Radio Communication Tester | R&S | CMW500 | 150645 | 2024/03/25 | 2025/03/24 |
| Low Noise Amplifier | Tonscend | TAP9K3G40 | AP23A8060273 | 2023/04/08 | 2025/04/07 |
| Low Noise Amplifier | Tonscend | TAP01018050 | AP22G806258 | 2023/04/08 | 2025/04/07 |
| Low Noise Amplifier | Tonscend | TAP18040048 | AP22G806247 | 2023/04/08 | 2025/04/07 |
| Hygrometer | BINGYU | HTC-1 | N/A | 2023/06/01 | 2025/05/31 |
| Test Software | Tonscend | TS+ V5.0.0 | N/A | N/A | N/A |

| Conducted Emission | | | | | |
|---------------------|-----------------|---------------|--------|------------|------------|
| Description | Manufacturer | Model | S.N. | Last Due | Cal Due |
| EMI Tester Receiver | Rohde & Schwarz | ESR3 | 103108 | 2024/05/31 | 2025/05/30 |
| LISN | Rohde & Schwarz | ENV 216 | 102836 | 2024/01/10 | 2025/01/09 |
| Test software | Rohde & Schwarz | ELEKTRA V4.61 | N/A | N/A | N/A |

3.2 Measurement Uncertainty

| Parameter | U _{lab} |
|-----------------------------------|------------------|
| Frequency Error | 679.98Hz |
| Output Power | 0.76dB |
| Conducted Spurious Emissions | 2.22dB |
| Conducted Emissions(150kHz~30MHz) | 2.43dB |
| Radiated Emissions(9kHz~30MHz) | 2.40dB |
| Radiated Emissions(30MHz~1000MHz) | 4.66dB |
| Radiated Emissions(1GHz~18GHz) | 5.42dB |
| Radiated Emissions(18GHz~40GHz) | 5.46dB |

Uncertainty figures are valid to a confidence level of 95%

4 Test Results

4.1 Antenna Requirement

| | |
|--|--------------------------------|
| Standard Applicable: | 47 CFR Part 15C Section 15.203 |
| 15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. | |
| The antenna gain and type as provided by the manufacturer are as follows: The antenna Type is Dipole. With Antenna gain is 5925 ~ 6425 MHz: 1.6dBi(Ant1); 1.6dBi(Ant2); 6425 ~ 6525 MHz: 1.6dBi(Ant1); 1.6dBi(Ant2); 6525 ~ 6875 MHz: 1.6dBi(Ant1); 1.6dBi(Ant2); 6875 ~ 7125 MHz: 1.6dBi(Ant1); 1.6dBi(Ant2); Antenna Anti-Replacement Construction: An embedded-in antenna design is used. | |

4.2 Frequency Stability

| | |
|--|-----------------------------------|
| Standard Applicable: | 47 CFR Part 15E Section 15.407(g) |
| Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual. | |

4.3 AC Power Line Conducted Emissions

Limits

| Frequency range (MHz) | Limit (dBμV) | |
|-----------------------|--------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

* Decreases with the logarithm of the frequency.

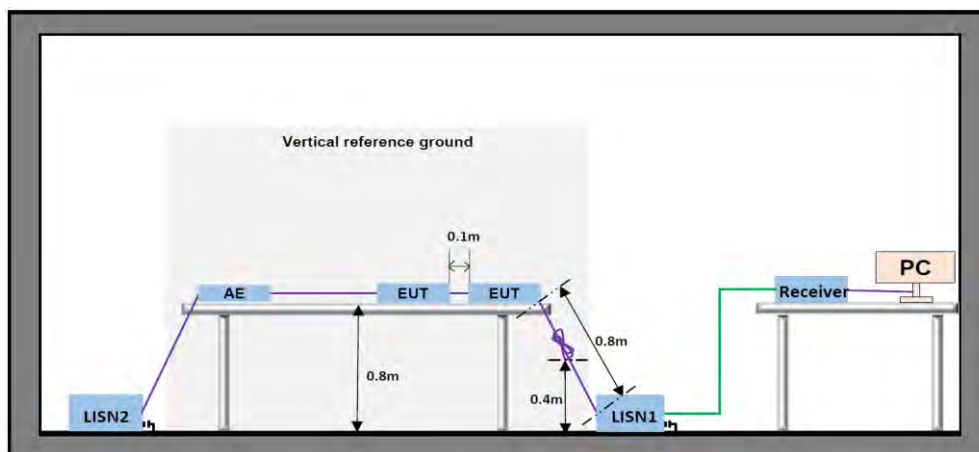
Test Procedure

ANSI C63.10:2020, Section 6.2.

Test Settings

1. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $50\Omega/50\mu\text{H} + 5\Omega$ linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
2. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
3. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
4. Set the test-receiver system to Peak detect function and specified bandwidth (if bandwidth =9kHz) with maximum hold mode. Then measurement is also conducted by average detector and Quasi-Peak detector function respectively.
5. Both sides of AC line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

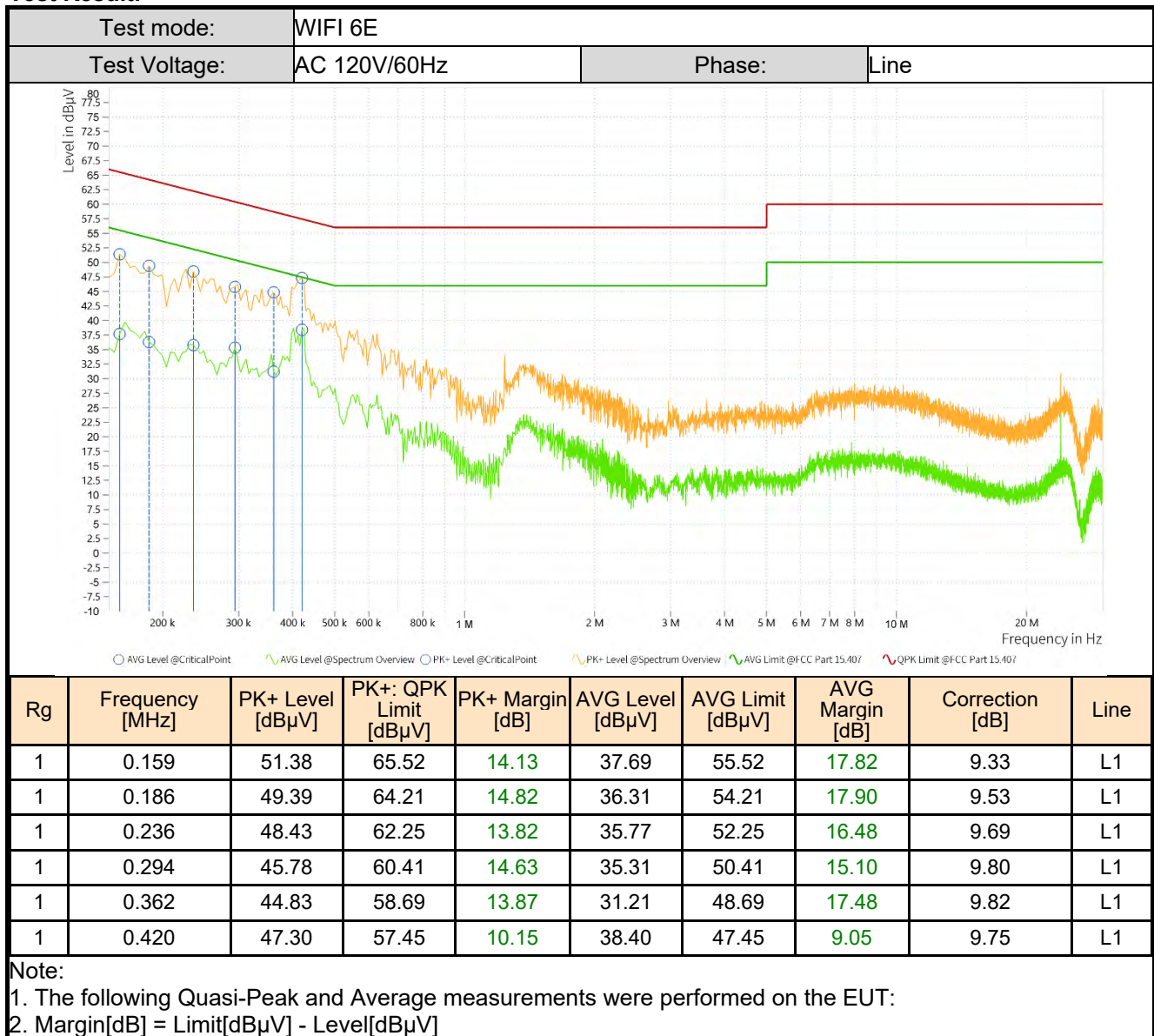
Test Setup

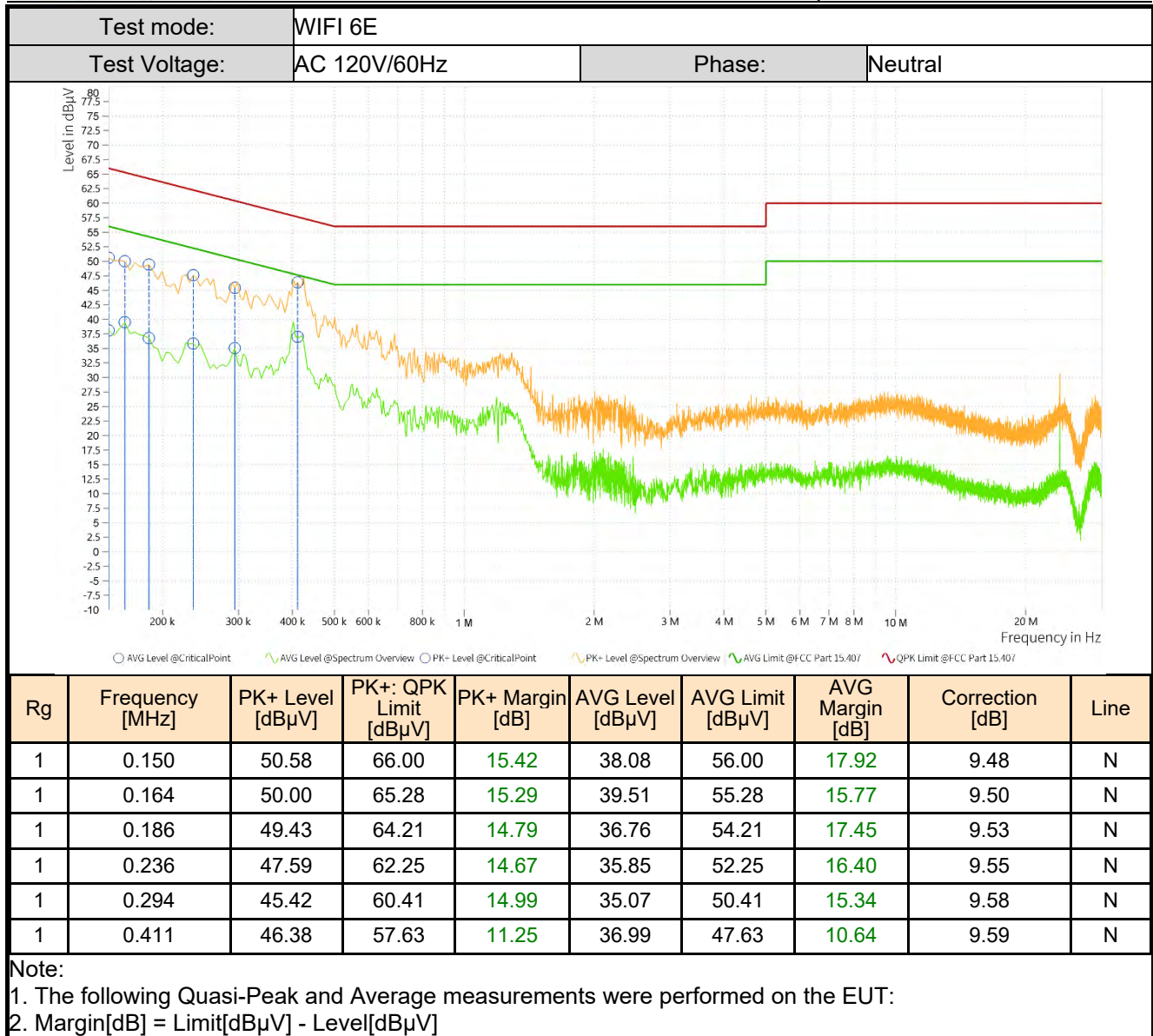


Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result:





4.4 Maximum e.i.r.p. Output Power

Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

Test Procedure

ANSI C63.10:2020 Section 12.3.2(Straddle Channel) &12.3.3.2(Other Channel).

Test Settings

1. PM-G:
Set to the maximum power setting and enable the EUT transmit continuously.
The power output was measured on the EUT antenna port using RF Cable with attenuator connected to a power meter via wideband power sensor. Peak output power was read directly from power meter.
Measure and record the results in the test report.
2. SA:
RBW = 1MHz
VBW \geq 3MHz
Span = Encompass the EBW (or, alternatively, the entire 99% occupied bandwidth)
Sweep = Auto
Detector = power averaging (rms)

Test Setup

Refer to section 2.8.1- Setup 1 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix B- 6EWi-Fi(U-NII-5&U-NII-6) & Appendix B- 6EWi-Fi(U-NII-7&U-NII-8).**

4.5 Maximum Power Spectral Density

Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.F

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously
2. The transmitter output is connected to a spectrum analyzer
3. RBW = 1MHz (for 5.15–5.25 GHz, 5.25–5.35 GHz, and 5.47–5.725 GHz)
4. RBW = 500kHz (for 5.725–5.85 GHz)
5. VBW \geq 3 times RBW
6. Sweep = Auto
7. Detector = Peak
8. Trace = Max hold
9. The trace was allowed to stabilize
10. Measure and record the results in the test report.

Test Setup

Refer to section 2.8.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix B- 6EWi-Fi(U-NII-5&U-NII-6) & Appendix B- 6EWi-Fi(U-NII-7&U-NII-8).**

4.6 Emission Bandwidth

Limits

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.C.1.

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. RBW = 1% - 5%(99%BW)
4. VBW = 3 times the RBW
5. Sweep = Auto
6. Detector = Peak
7. Trace = Max hold
8. The trace was allowed to stabilize
9. Measure and record the results in the test report.

Test Notes

The signal analyzers' automatic bandwidth measurement capability of the spectrum analyzer was used to perform the 26dB bandwidth measurement. The "X" dB bandwidth parameter was set to X= 26. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.

Test Setup

Refer to section 2.8.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix B- 6EWi-Fi(U-NII-5&U-NII-6) & Appendix B- 6EWi-Fi(U-NII-7&U-NII-8).**

4.7 Occupied Bandwidth

Limits

None, for reporting purposes only.

Test Procedure

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.D.

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. RBW = 1% - 5%(99%BW)
4. VBW = 3 times the RBW
5. Sweep = Auto
6. Detector = Peak
7. Trace = Max hold
8. The trace was allowed to stabilize
9. Measure and record the results in the test report.

Test Setup

Refer to section 2.8.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix B- 6EWi-Fi(U-NII-5&U-NII-6) & Appendix B- 6EWi-Fi(U-NII-7&U-NII-8).**

4.8 In-Band Emissions (Channel Mask)

Limits

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

Test Procedure

KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01 Section J.

Test Settings

1. Set to the maximum power setting and enable the EUT transmit continuously.
2. The transmitter output is connected to a spectrum analyzer:
3. Span = To encompass the entire 26 dB EBW of the signal.
4. RBW = Same RBW used for 26 dB EBW measurement.
5. VBW \geq 3 times RBW.
6. Detector = RMS.
7. Sweep = Auto.
8. Point sweep \geq 2 Span / RBW.
9. Trace = Max hold.
10. Trace average at least 100 traces in power averaging (rms) mode.
11. Use the peak search function on the instrument to find the peak of the spectrum.
12. Measure and record the results in the test report.

Test Setup

Refer to section 2.8.1- Setup 2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix B- 6EWi-Fi(U-NII-5&U-NII-6) & Appendix B- 6EWi-Fi(U-NII-7&U-NII-8).**

4.9 Contention Based Protocol

Limits

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol.

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm)¹. The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Criteria to determine number of times detection threshold test may be performed

| If | Number of Tests | Placement of Incumbent Transmission |
|---------------------------------------|--|--|
| $BW_{EUT} \leq BW_{Inc}$ | Once | Tune incumbent and EUT transmissions ($f_{c1} = f_{c2}$) |
| $BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$ | Once | Incumbent transmission is contained within BW_{EUT} |
| $2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$ | Twice. Incumbent transmission is contained within BW_{EUT} | Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel |
| $BW_{EUT} > 4BW_{Inc}$ | Three times | Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel |

BW_{EUT} : Transmission bandwidth of EUT signal.

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal).

f_{c1} : Center frequency of EUT transmission.

f_{c2} : Center frequency of simulated incumbent signal.

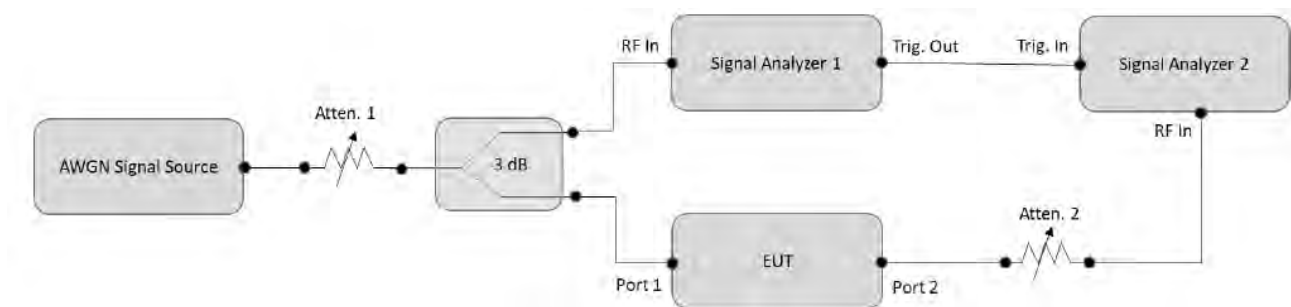
Test Procedure

KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01 Section I.

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EEUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

Test Setup



Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix**.

4.10 Unwanted Emissions

Limits

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Spurious emissions are permitted in an of the frequency bands:

| MHz | MHz | MHz | MHz | GHz | GHz |
|-------------------|---------------------|-----------------------|-----------------|--------------|---------------|
| 0.090 - 0.110 | 12.29 - 12.293 | 149.9 - 150.05 | 1660 - 1710 | 4.5 - 5.15 | 14.47 - 14.5 |
| 0.495 - 0.505 | 12.51975 - 12.52025 | 156.52475 - 156.52525 | 1718.8 - 1722.2 | 5.35 - 5.46 | 15.35 - 16.2 |
| 2.1735 - 2.1905 | 12.5767 - 12.57725 | 156.7 - 156.9 | 2200 - 2300 | 7.25 - 7.75 | 17.7 - 21.4 |
| 4.125 - 128 | 13.36 - 13.41 | 162.0125 - 167.17 | 2310 - 2390 | 8.025 - 8.5 | 22.01 - 23.12 |
| 4.17725 - 4.17775 | 16.42 - 16.423 | 167.72 - 173.2 | 2483.5 - 2500 | 9.0 - 9.2 | 23.6 - 24.0 |
| 4.20725 - 4.20775 | 16.69475 - 16.69525 | 240 - 285 | 2655 - 2900 | 9.3 - 9.5 | 31.2 - 31.8 |
| 6.215 - 6.218 | 1680425 - 1680475 | 322 - 335.4 | 3260 - 3267 | 10.6 - 12.7 | 36.43 - 36.5 |
| 6.26775 - 6.26825 | 25.5 - 25.67 | 399.9 - 410 | 3332 - 3339 | 13.25 - 13.4 | |
| 6.31175 - 6.31225 | 37.5 - 38.25 | 608 - 614 | 3345.8 - 3358 | | |
| 8.291 - 8.294 | 73 - 74.6 | 960 - 1240 | 3600 - 4400 | | |
| 8.362 - 8.366 | 74.8 - 75.2 | 1300 - 1427 | | | |
| 8.37625 - 8.38675 | 108 - 121.94 | 1435 - 1626.5 | | | |
| 8.41425 - 8.41475 | 123 - 138 | 1645.5 - 1646.5 | | | |

Radiated disturbance of an intentional radiator:

| Frequency | Field strength (μV/m) | Limit (dBμV/m) | Remark | Measurement distance (m) |
|-------------------|-----------------------|----------------|------------|--------------------------|
| 0.009MHz-0.490MHz | 2400/F(kHz) | - | - | 300 |
| 0.490MHz-1.705MHz | 24000/F(kHz) | - | - | 30 |
| 1.705MHz-30MHz | 30 | - | - | 30 |
| 30MHz-88MHz | 100 | 40.0 | Quasi-peak | 3 |
| 88MHz-216MHz | 150 | 43.5 | Quasi-peak | 3 |
| 216MHz-960MHz | 200 | 46.0 | Quasi-peak | 3 |
| 960MHz-1GHz | 500 | 54.0 | Quasi-peak | 3 |
| Above 1GHz | 500 | 74.0 | Peak | 3 |
| | | 54.0 | Average | |

Measurement methods

ANSI C63.10:2020 Section 6.4 & 6.5 & 6.6.

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section II.G.3 ~ 6.

Test Settings

- For radiated emissions measurements performed at frequencies less than or equal to 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the reference ground plane.
- For radiated emissions measurements performed at frequencies above 1GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80cm above the ground plane.
- Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1m to 4m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e, field strength or received power), when orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25cm.
- For each suspected emission, the EUT was ranged its worst case and then tune the antenna tower(from 1~4m) and turntable(from 0~360°) find the maximum reading. Preamplifier and a high pass filter are used for the test in order get better signal level comply with the guidelines.
- Set to the maximum power setting and enable the EUT transmit continuously.
- The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

7. spectrum analyzer setting:
Measurements Below 1000MHz: RBW = 120 kHz; VBW \geq 300 kHz; Detector = Peak
Measurements Above 1000MHz: RBW = 1 MHz; VBW \geq 3 MHz; Detector = Peak
Average Measurements Above 1000MHz:
RBW = 1 MHz, VBW \geq 1/T, with peak detector for average measurements.
8. The field strength is calculated by adding the Antenna Factor, Cable Factor. The basic equation with a sample calculation is as follows:
Level = Reading(dB μ V) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dB μ V/m) – Level(dB μ V/m)
9. Repeat above procedures until all frequencies measured was complete.
10. Measure and record the results in the test report.

Test Notes

1. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
2. Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. the disturbance between 9kHz to 30MHz, 30MHz-1GHz and 18GHz to 40GHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded, so only the harmonics had been displayed.
3. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

Test Setup

Refer to section 2.8.2 for details.

Measuring Instruments

The measuring equipment is listed in the section 3.1 of this test report.

Test Result

The detailed test data see: **Appendix.**

5 Test Setup Photos

The detailed test data see: **Appendix C- BT&WIFI Setup Photos**

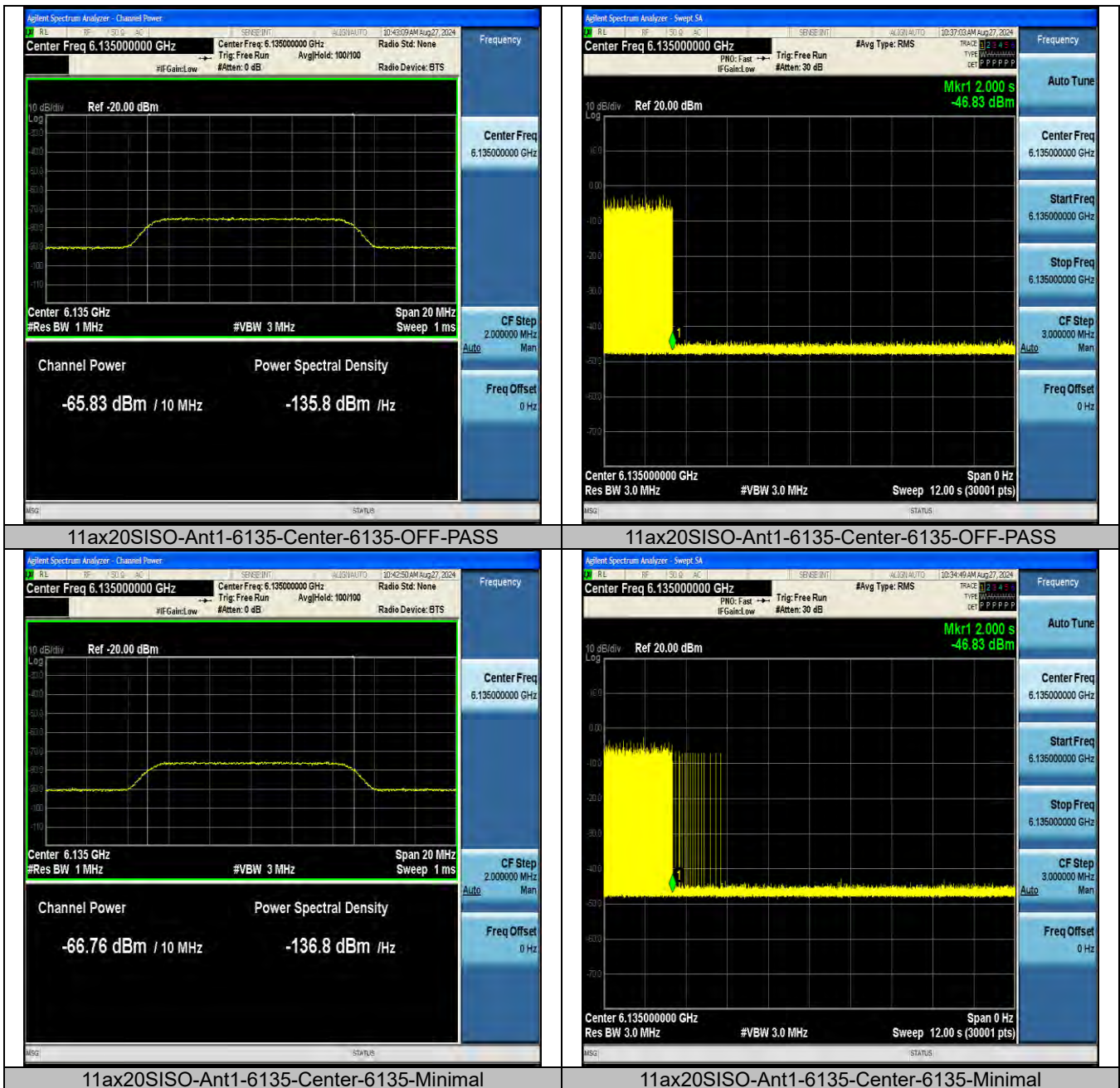
Appendix

Contention Based Protocol Test Result

| Test Mode | Antenna | Channel | Interference Frequency [MHz] | | Status | Awgn Power [dBm] | Gain [dB] | Path Loss [dB] | Adjusted Power [dBm] | Limit [dBm] | Detection Rate | | Verdict |
|-------------|---------|---------|------------------------------|------|---------|------------------|-----------|----------------|----------------------|-------------|----------------|-----------|---------|
| | | | | | | | | | | | Result [%] | Limit [%] | |
| 11ax20SISO | Ant1 | 6135 | Center | 6135 | OFF | -65.83 | 1.60 | 0 | -67.43 | -62 | 90 | 90 | PASS |
| 11ax20SISO | Ant1 | 6135 | Center | 6135 | Minimal | -66.76 | 1.60 | 0 | -68.36 | -62 | 50 | --- | --- |
| 11ax20SISO | Ant1 | 6135 | Center | 6135 | ON | -87 | 1.60 | 0 | -78.60 | -62 | --- | --- | --- |
| 11ax20SISO | Ant1 | 6455 | Center | 6455 | OFF | -65.88 | 1.60 | 0 | -67.48 | -62 | 100 | 90 | PASS |
| 11ax20SISO | Ant1 | 6455 | Center | 6455 | Minimal | -66.86 | 1.60 | 0 | -68.46 | -62 | 40 | --- | --- |
| 11ax20SISO | Ant1 | 6455 | Center | 6455 | ON | -87 | 1.60 | 0 | -78.60 | -62 | --- | --- | --- |
| 11ax20SISO | Ant1 | 6695 | Center | 6695 | OFF | -68.7 | 1.60 | 0 | -70.30 | -62 | 100 | 90 | PASS |
| 11ax20SISO | Ant1 | 6695 | Center | 6695 | Minimal | -69.66 | 1.60 | 0 | -71.26 | -62 | 60 | --- | --- |
| 11ax20SISO | Ant1 | 6695 | Center | 6695 | ON | -87 | 1.60 | 0 | -78.60 | -62 | --- | --- | --- |
| 11ax20SISO | Ant1 | 7015 | Center | 7015 | OFF | -62.05 | 1.60 | 0 | -63.65 | -62 | 100 | 90 | PASS |
| 11ax20SISO | Ant1 | 7015 | Center | 7015 | Minimal | -62.99 | 1.60 | 0 | -64.59 | -62 | 70 | --- | --- |
| 11ax20SISO | Ant1 | 7015 | Center | 7015 | ON | -87 | 1.60 | 0 | -78.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6185 | Low | 6110 | OFF | -75.73 | 1.60 | 0 | -77.33 | -62 | 100 | 90 | PASS |
| 11ax160SISO | Ant1 | 6185 | Center | 6185 | OFF | -68.85 | 1.60 | 0 | -70.45 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6185 | High | 6260 | OFF | -73.21 | 1.60 | 0 | -74.81 | -62 | 100 | 90 | PASS |
| 11ax160SISO | Ant1 | 6185 | Low | 6110 | Minimal | -76.4 | 1.60 | 0 | -78.00 | -62 | 0 | --- | --- |
| 11ax160SISO | Ant1 | 6185 | Center | 6185 | Minimal | -69.87 | 1.60 | 0 | -71.47 | -62 | 80 | --- | --- |
| 11ax160SISO | Ant1 | 6185 | High | 6260 | Minimal | -74.04 | 1.60 | 0 | -75.64 | -62 | 50 | --- | --- |
| 11ax160SISO | Ant1 | 6185 | Low | 6110 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6185 | Center | 6185 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6185 | High | 6260 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6505 | Low | 6430 | OFF | -76.34 | 1.60 | 0 | -77.94 | -62 | 100 | 90 | PASS |
| 11ax160SISO | Ant1 | 6505 | Center | 6505 | OFF | -64.99 | 1.60 | 0 | -66.59 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6505 | High | 6580 | OFF | -77.05 | 1.60 | 0 | -78.65 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6505 | Low | 6430 | Minimal | -76.93 | 1.60 | 0 | -78.53 | -62 | 0 | --- | --- |
| 11ax160SISO | Ant1 | 6505 | Center | 6505 | Minimal | -66.03 | 1.60 | 0 | -67.63 | -62 | 20 | --- | --- |
| 11ax160SISO | Ant1 | 6505 | High | 6580 | Minimal | -77.6 | 1.60 | 0 | -79.20 | -62 | 50 | --- | --- |
| 11ax160SISO | Ant1 | 6505 | Low | 6430 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6505 | Center | 6505 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6505 | High | 6580 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6825 | Low | 6750 | OFF | -76.4 | 1.60 | 0 | -78.00 | -62 | 100 | 90 | PASS |
| 11ax160SISO | Ant1 | 6825 | Center | 6825 | OFF | -67.67 | 1.60 | 0 | -69.27 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6825 | High | 6900 | OFF | -74.59 | 1.60 | 0 | -76.19 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6825 | Low | 6750 | Minimal | -77.03 | 1.60 | 0 | -78.63 | -62 | 10 | --- | --- |
| 11ax160SISO | Ant1 | 6825 | Center | 6825 | Minimal | -68.65 | 1.60 | 0 | -70.25 | -62 | 0 | --- | --- |
| 11ax160SISO | Ant1 | 6825 | High | 6900 | Minimal | -75.34 | 1.60 | 0 | -76.94 | -62 | 0 | --- | --- |
| 11ax160SISO | Ant1 | 6825 | Low | 6750 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6825 | Center | 6825 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6825 | High | 6900 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6985 | Low | 6910 | OFF | -74.11 | 1.60 | 0 | -75.71 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6985 | Center | 6985 | OFF | -63.86 | 1.60 | 0 | -65.46 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6985 | High | 7060 | OFF | -76.1 | 1.60 | 0 | -77.70 | -62 | 90 | 90 | PASS |
| 11ax160SISO | Ant1 | 6985 | Low | 6910 | Minimal | -74.89 | 1.60 | 0 | -76.49 | -62 | 60 | --- | --- |
| 11ax160SISO | Ant1 | 6985 | Center | 6985 | Minimal | -64.93 | 1.60 | 0 | -66.53 | -62 | 40 | --- | --- |
| 11ax160SISO | Ant1 | 6985 | High | 7060 | Minimal | -76.72 | 1.60 | 0 | -78.32 | -62 | 20 | --- | --- |
| 11ax160SISO | Ant1 | 6985 | Low | 6910 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6985 | Center | 6985 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |
| 11ax160SISO | Ant1 | 6985 | High | 7060 | ON | -87 | 1.60 | 0 | -88.60 | -62 | --- | --- | --- |

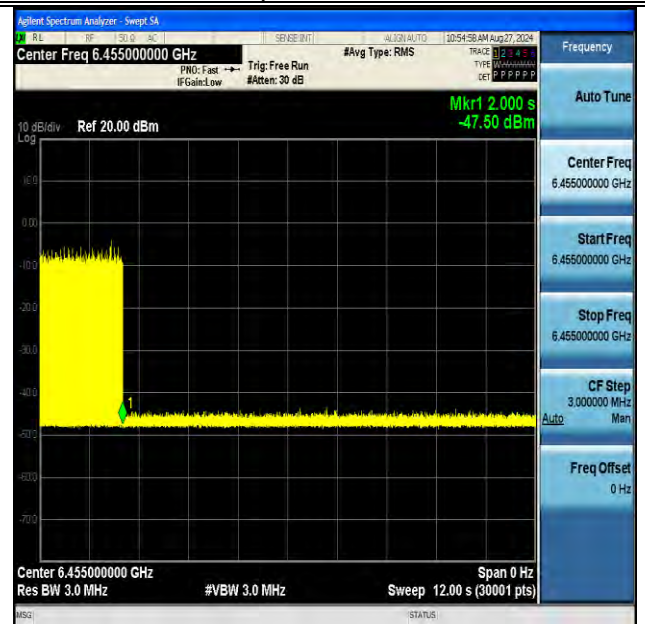
Note: Adjusted Power= Injected AWGN Power - Antenna Gain + Path Loss

Test Graphs





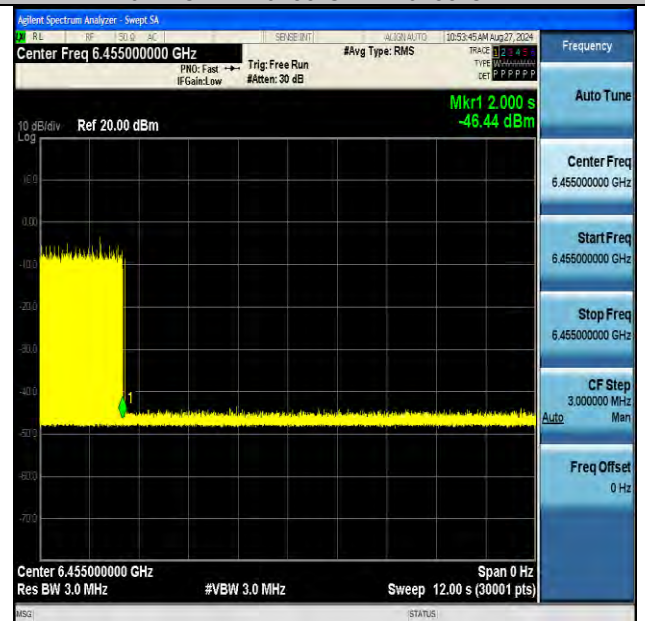
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11ax20SISO-Ant1-6455-Center-6455-OFF-PASS



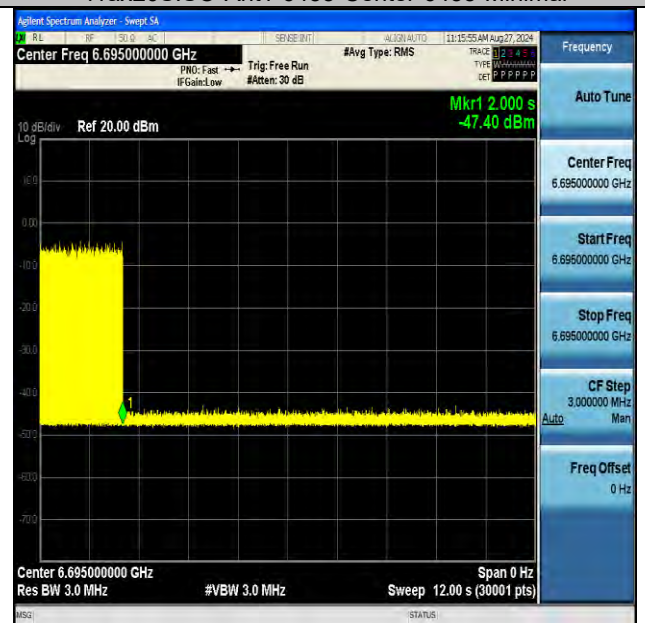
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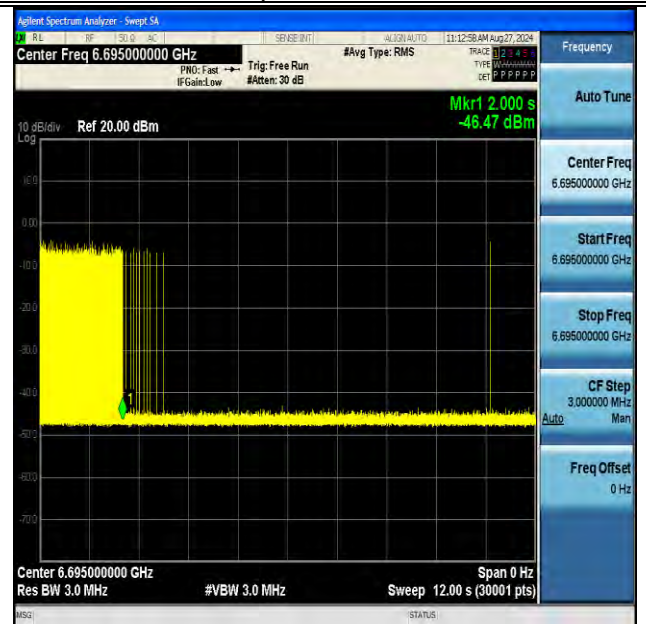
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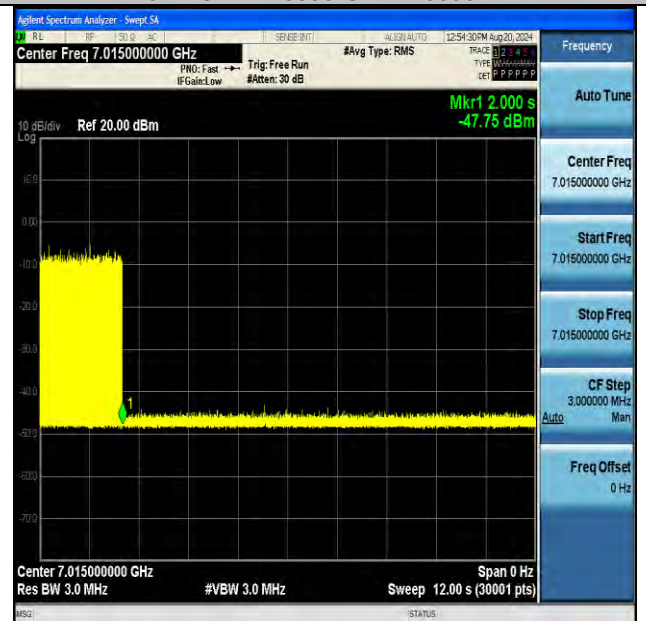
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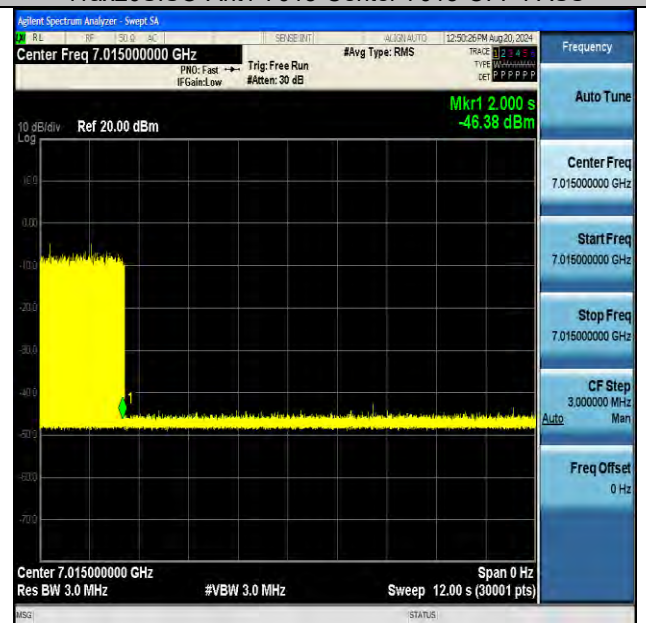
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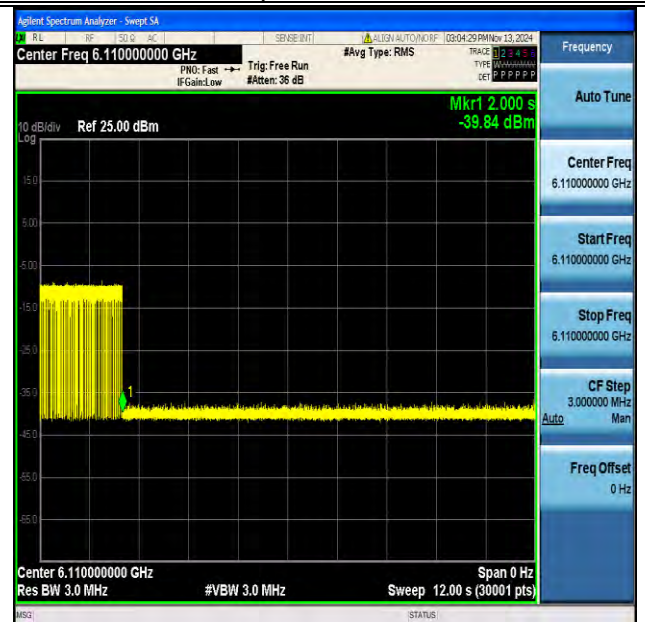
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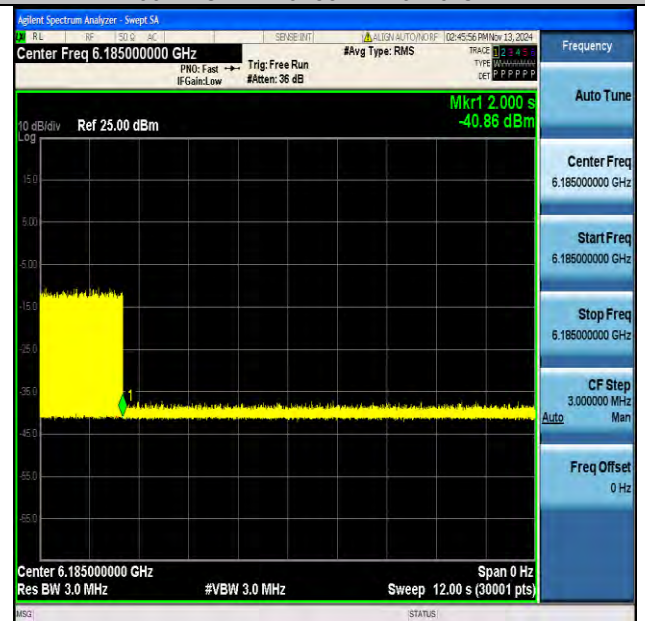
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11ax160SISO-Ant1-6185-Low-6110-OFF-PASS



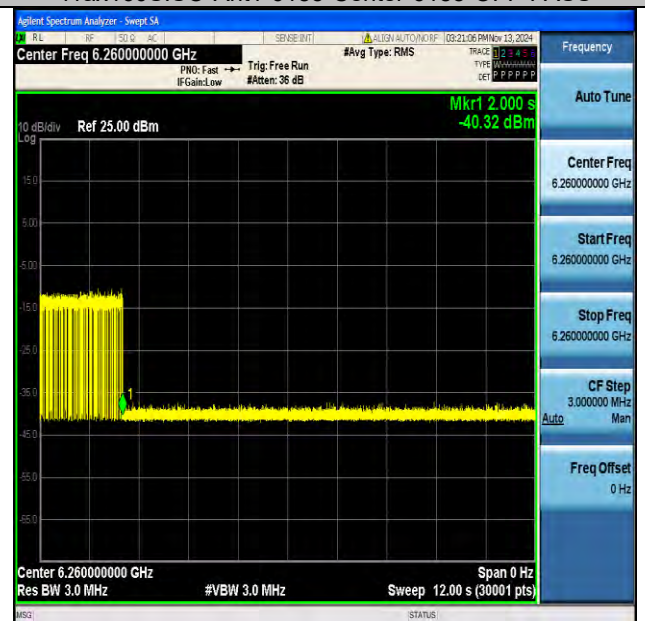
11ax160SISO-Ant1-6185-Center-6185-OFF-PASS



11ax160SISO-Ant1-6185-Center-6185-OFF-PASS



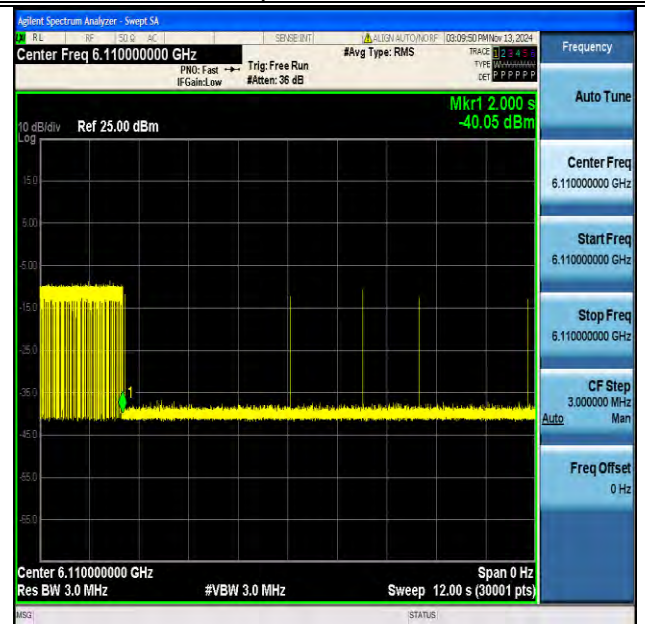
11ax160SISO-Ant1-6185-High-6260-OFF-PASS



11ax160SISO-Ant1-6185-High-6260-OFF-PASS



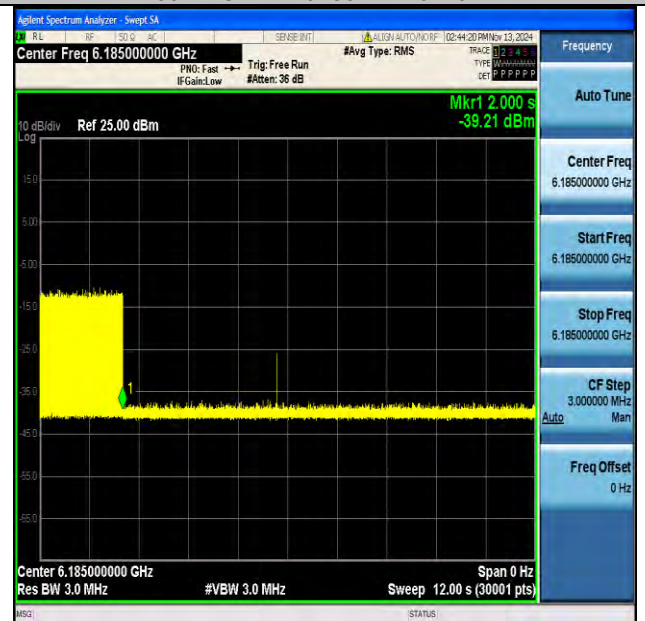
11ax160SISO-Ant1-6185-Low-6110-Minimal



11ax160SISO-Ant1-6185-Low-6110-Minimal



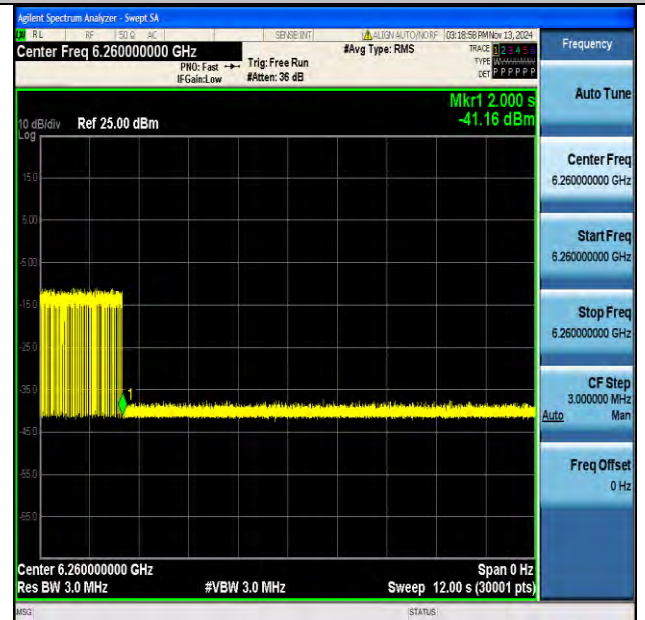
11ax160SISO-Ant1-6185-Center-6185-Minimal



11ax160SISO-Ant1-6185-Center-6185-Minimal



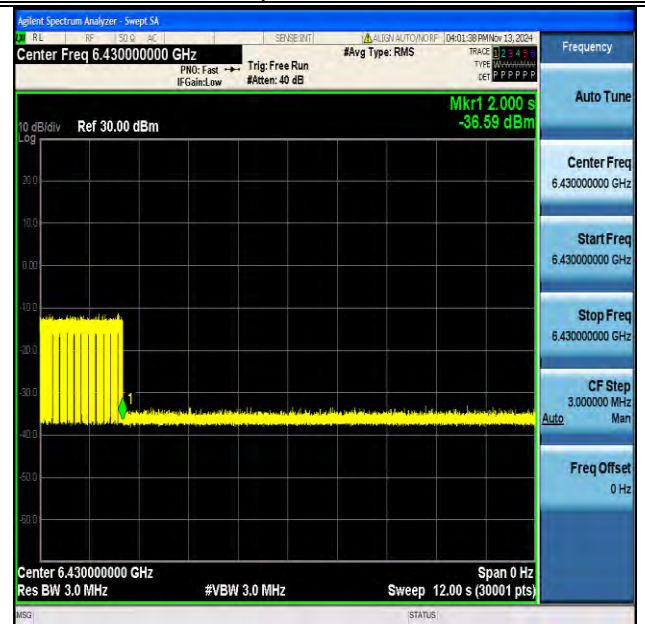
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11ax160SISO-Ant1-6185-High-6260-Minimal



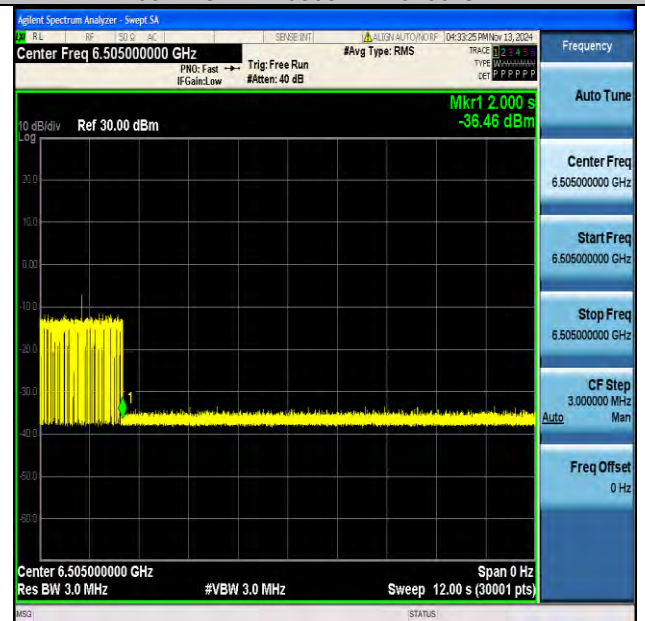
11ax160SISO-Ant1-6505-Low-6430-OFF-PASS



11ax160SISO-Ant1-6505-Low-6430-OFF-PASS



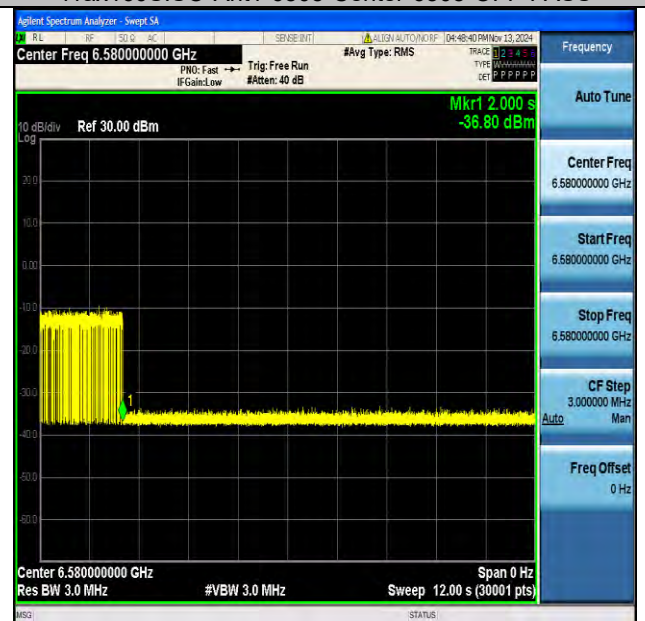
11ax160SISO-Ant1-6505-Center-6505-OFF-PASS



11ax160SISO-Ant1-6505-Center-6505-OFF-PASS



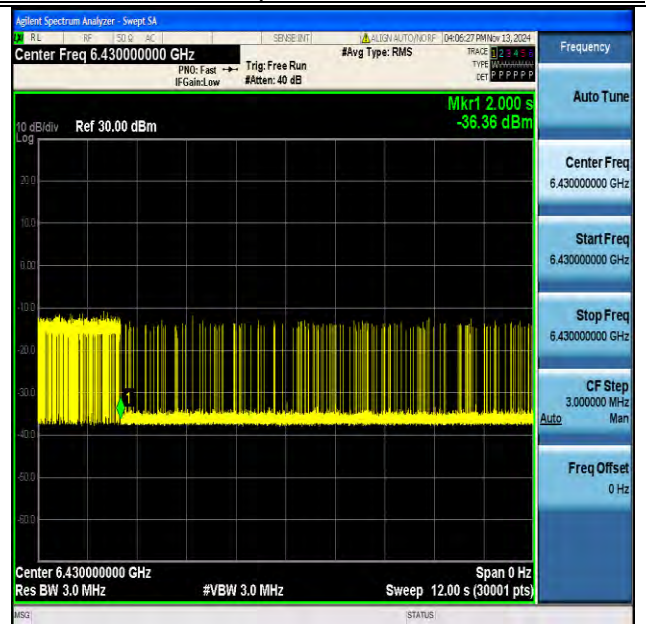
11ax160SISO-Ant1-6505-High-6580-OFF-PASS



11ax160SISO-Ant1-6505-High-6580-OFF-PASS



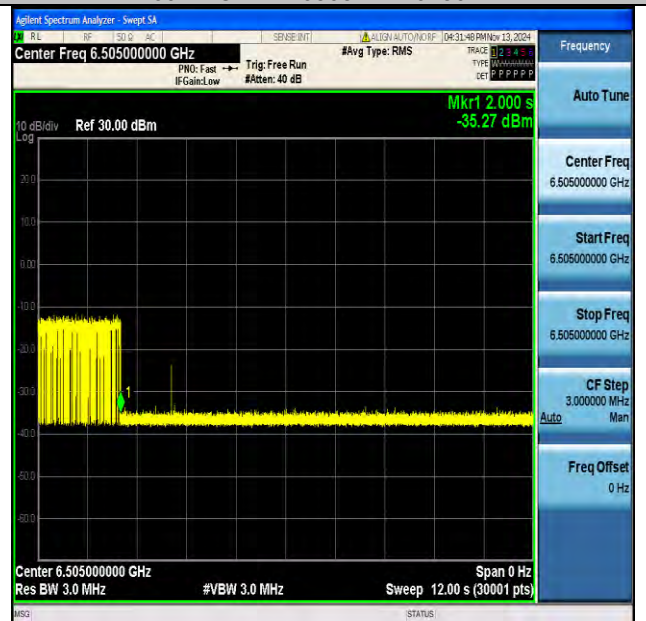
11ax160SISO-Ant1-6505-Low-6430-Minimal



11ax160SISO-Ant1-6505-Low-6430-Minimal



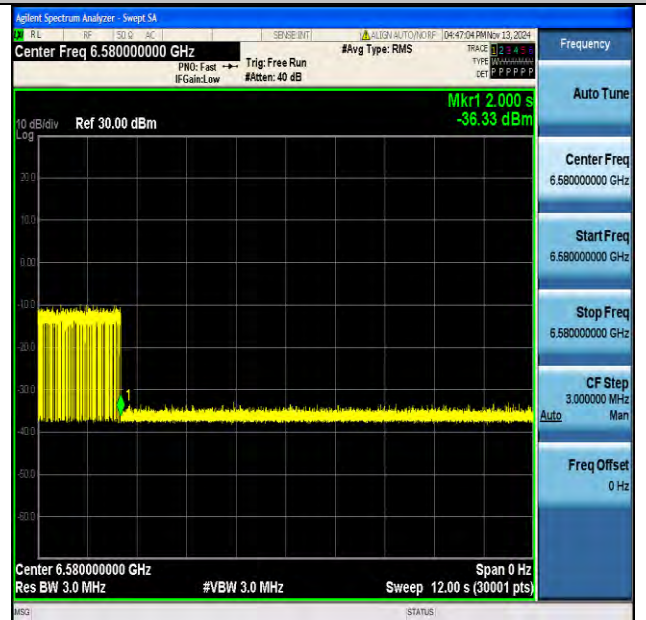
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11ax160SISO-Ant1-6505-Center-6505-Minimal



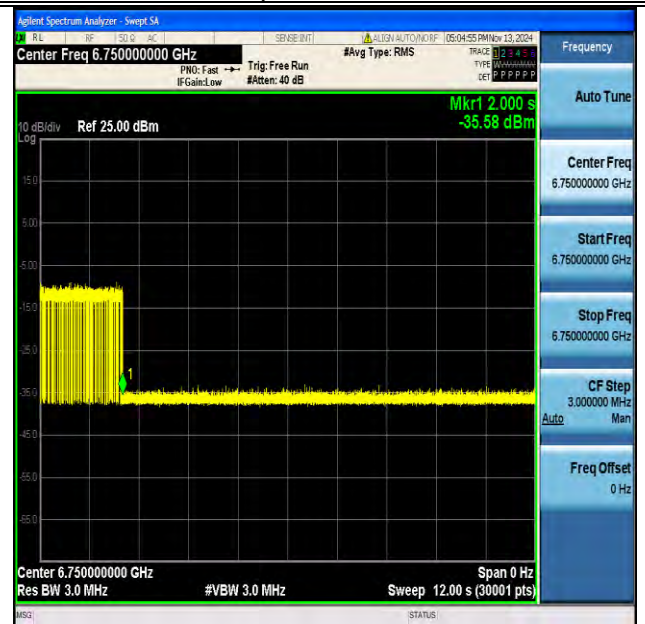
11ax160SISO-Ant1-6505-High-6580-Minimal



11ax160SISO-Ant1-6505-High-6580-Minimal



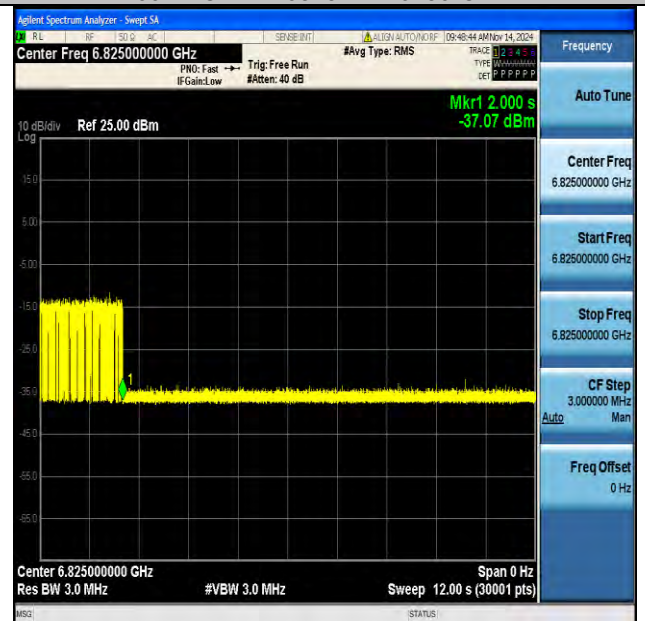
11ax160SISO-Ant1-6825-Low-6750-OFF-PASS



11ax160SISO-Ant1-6825-Low-6750-OFF-PASS



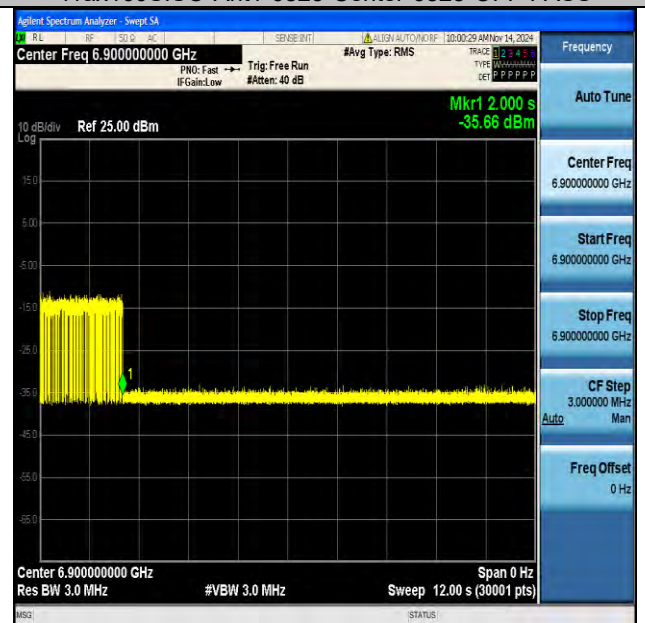
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11ax160SISO-Ant1-6825-Center-6825-OFF-PASS



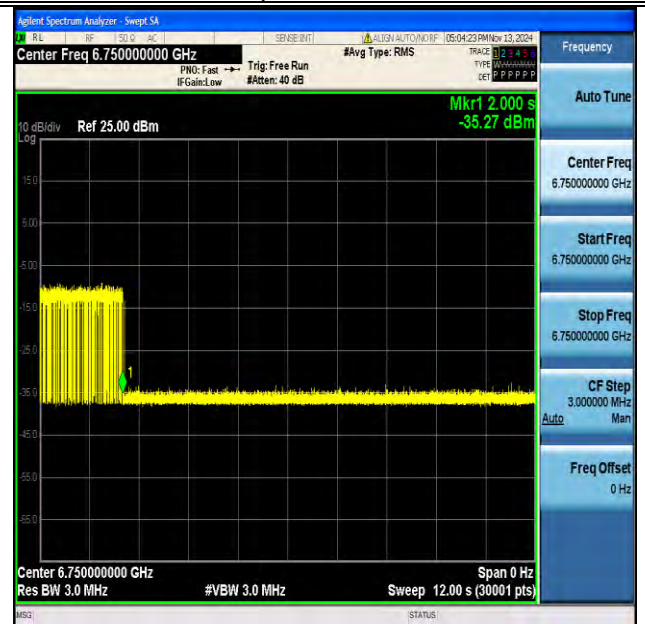
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11ax160SISO-Ant1-6825-High-6900-OFF-PASS



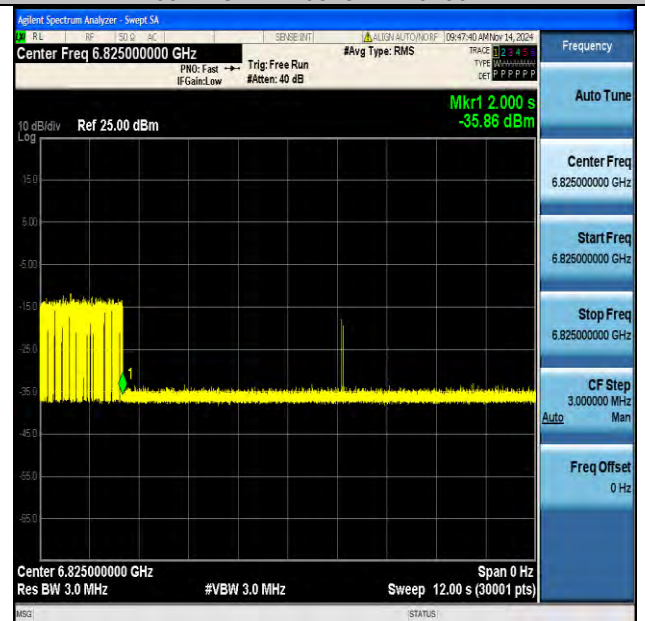
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11ax160SISO-Ant1-6825-Low-6750-Minimal



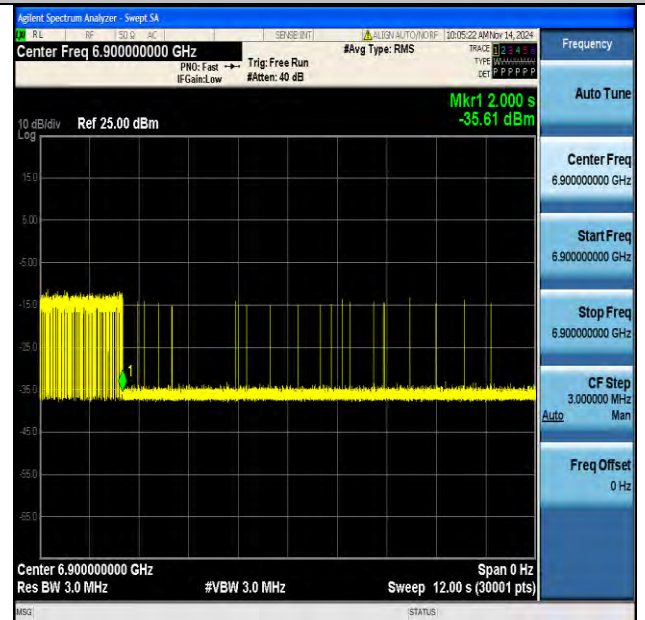
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11ax160SISO-Ant1-6825-Center-6825-Minimal



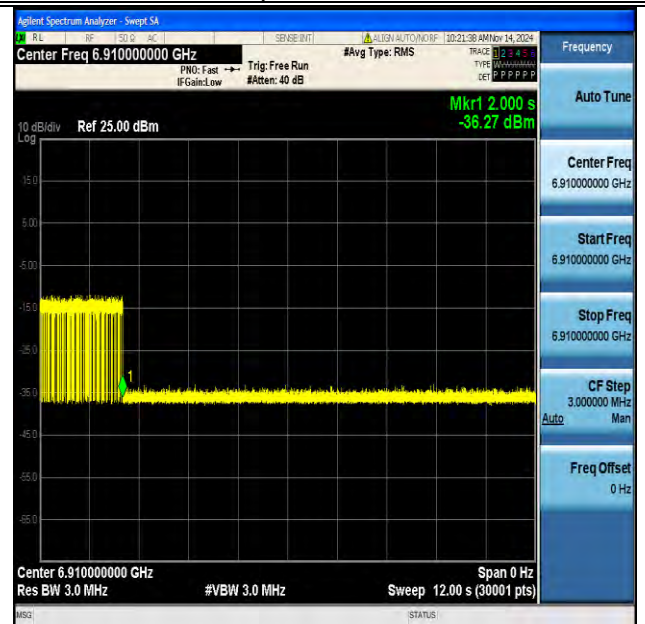
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11ax160SISO-Ant1-6825-High-6900-Minimal



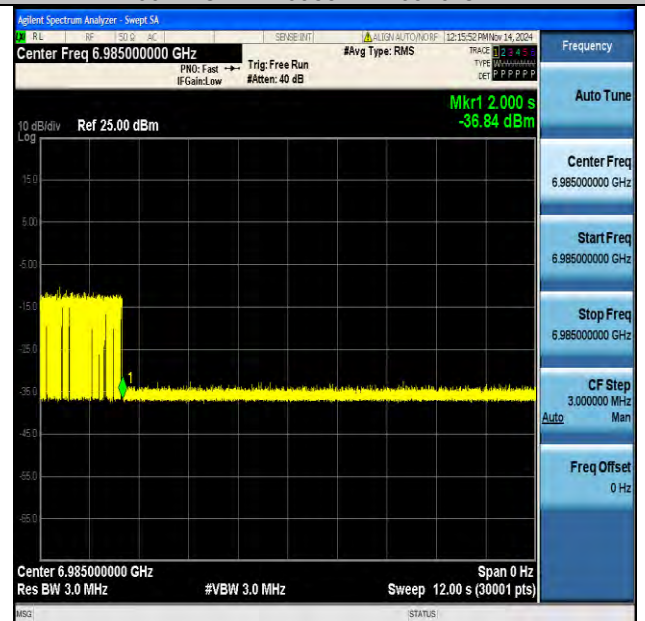
11ax160SISO-Ant1-6985-Low-6910-OFF-PASS



11ax160SISO-Ant1-6985-Low-6910-OFF-PASS



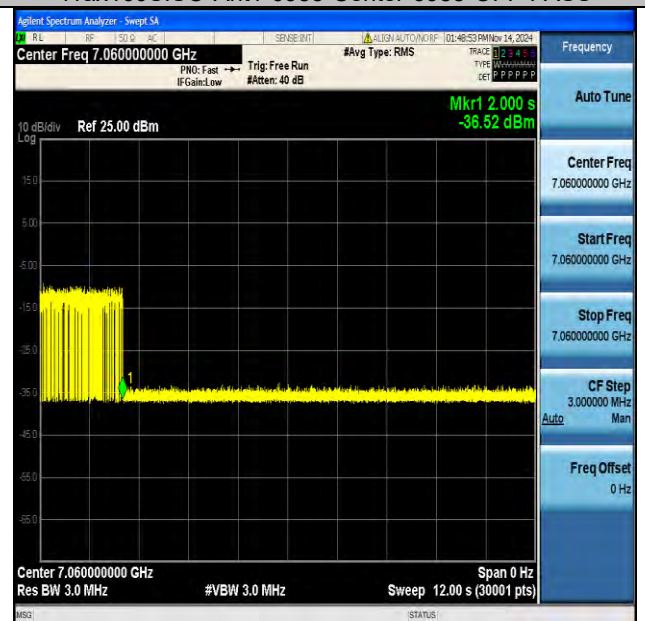
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11ax160SISO-Ant1-6985-Center-6985-OFF-PASS



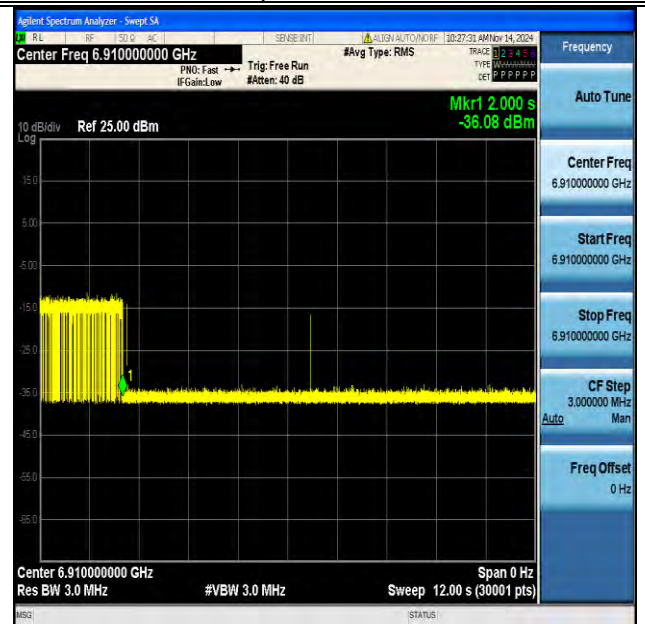
11ax160SISO-Ant1-6985-High-7060-OFF-PASS



11ax160SISO-Ant1-6985-High-7060-OFF-PASS



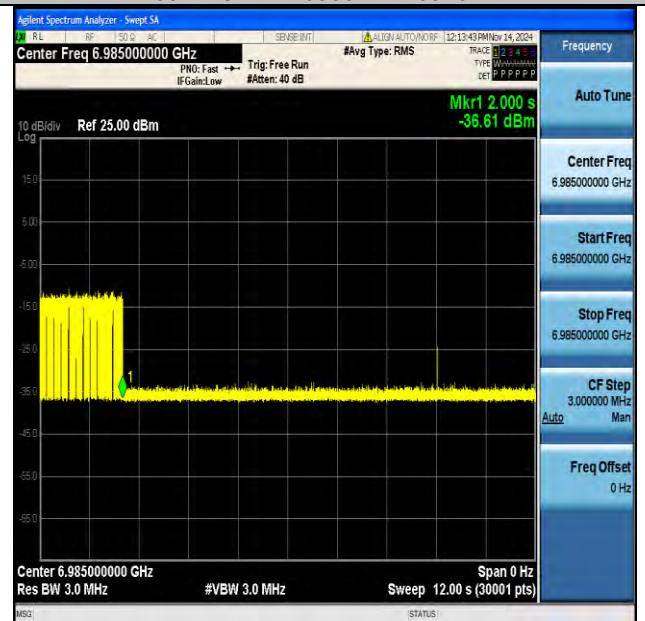
11ax160SISO-Ant1-6985-Low-6910-Minimal



11ax160SISO-Ant1-6985-Low-6910-Minimal



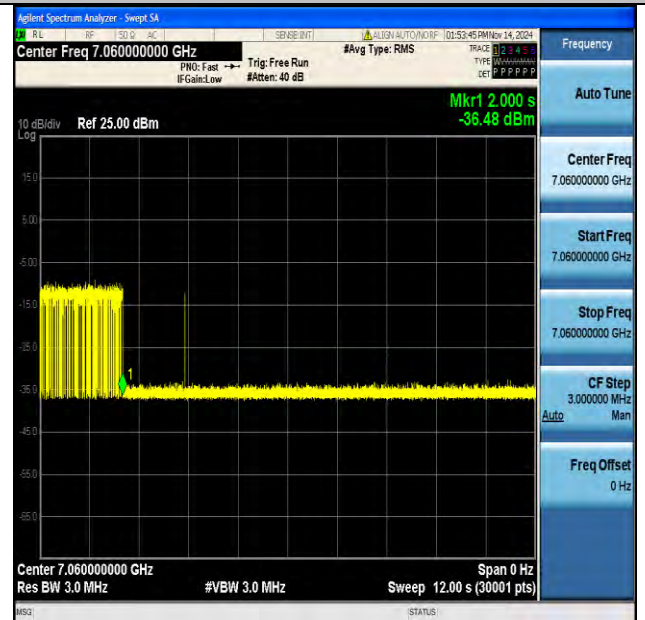
11ax160SISO-Ant1-6985-Center-6985-Minimal



11ax160SISO-Ant1-6985-Center-6985-Minimal



11ax160SISO-Ant1-6985-High-7060-Minimal



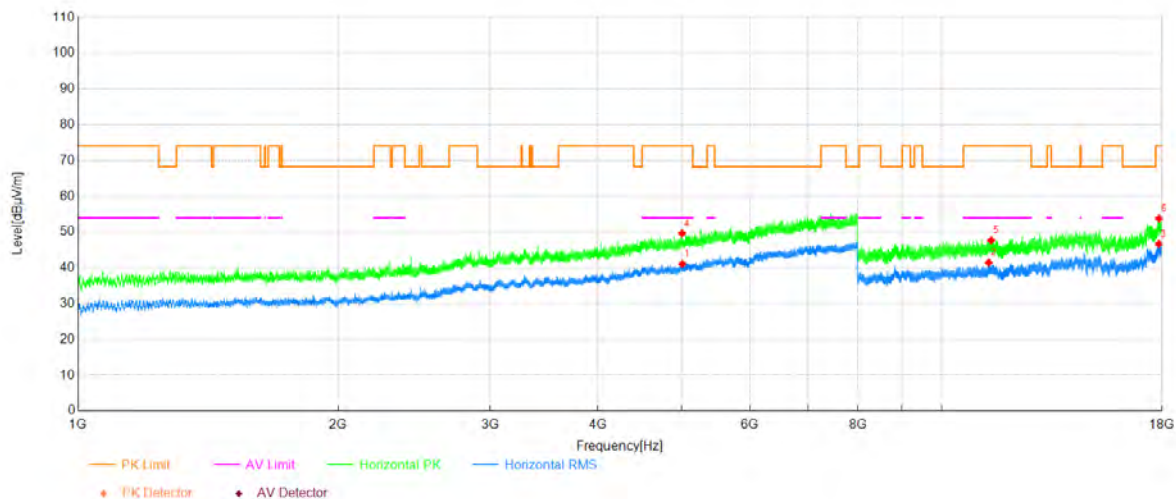
11ax160SISO-Ant1-6985-High-7060-Minimal

Radiated Spurious Emissions

Test Result

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11a | Band: | / |
| Bandwidth | 20MHz | Channel | 5955 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

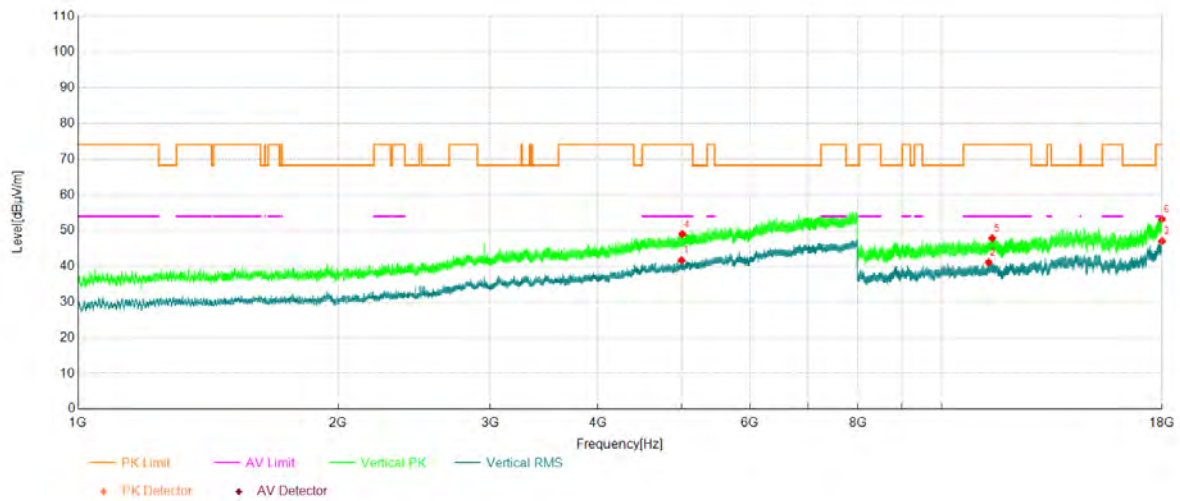
Test Graph



Data List

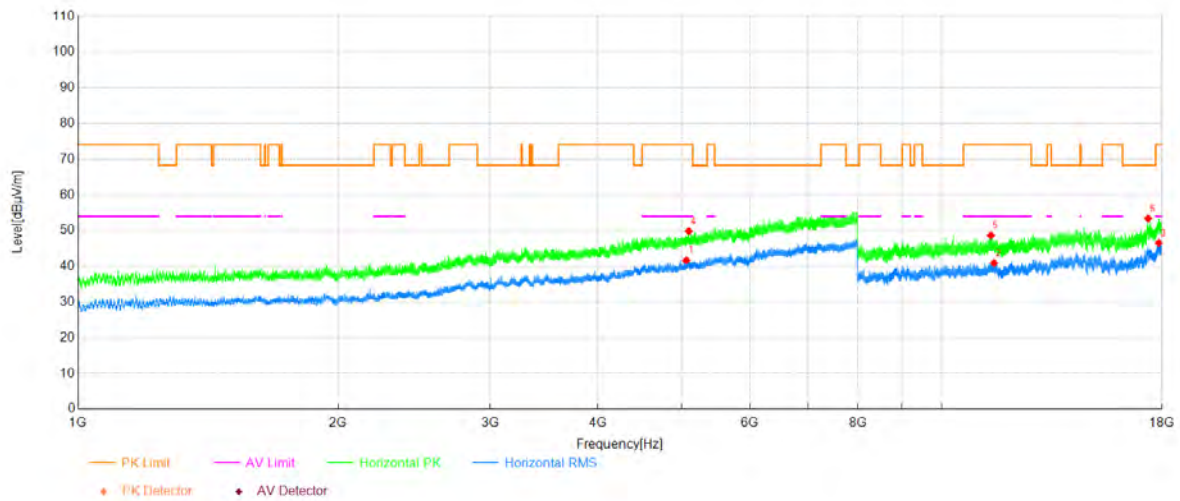
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 5008.90 | 27.50 | 13.54 | 41.04 | 54.00 | 12.96 | Horizontal | PASS |
| 2 | 11340.00 | 36.22 | 5.21 | 41.43 | 54.00 | 12.57 | Horizontal | PASS |
| 3 | 17847.33 | 32.71 | 13.94 | 46.65 | 54.00 | 7.35 | Horizontal | PASS |
| 4 | 5005.05 | 36.09 | 13.53 | 49.62 | 74.00 | 24.38 | Horizontal | PASS |
| 5 | 11412.33 | 42.33 | 5.36 | 47.69 | 74.00 | 26.31 | Horizontal | PASS |
| 6 | 17859.33 | 39.88 | 13.86 | 53.74 | 74.00 | 20.26 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11a | Band: | / |
| Bandwidth | 20MHz | Channel | 5955 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

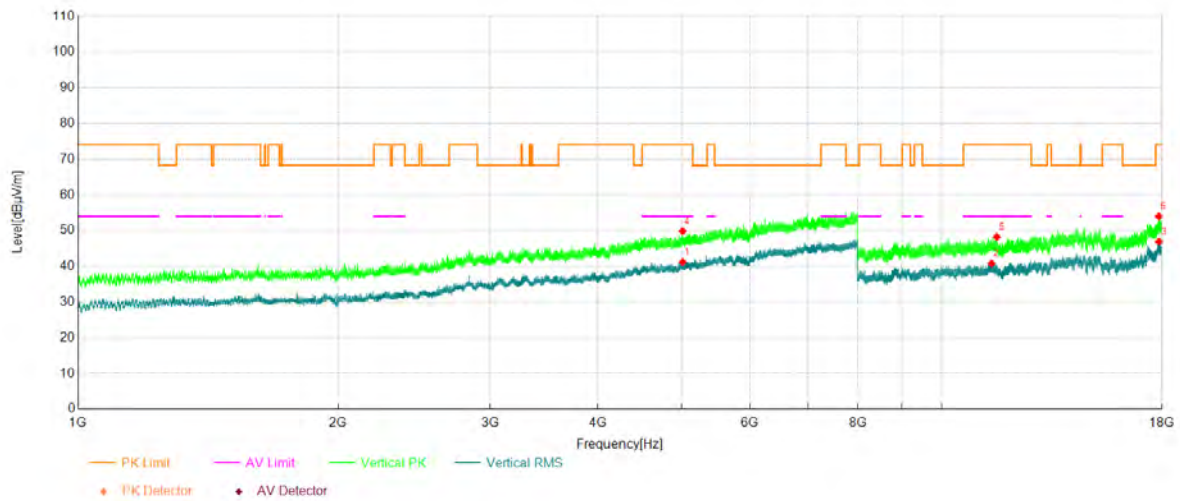
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 4997.00 | 28.16 | 13.50 | 41.66 | 54.00 | 12.34 | Vertical | PASS |
| 2 | 11333.33 | 35.98 | 5.10 | 41.08 | 54.00 | 12.92 | Vertical | PASS |
| 3 | 17994.67 | 33.01 | 14.00 | 47.01 | 54.00 | 6.99 | Vertical | PASS |
| 4 | 5008.55 | 35.45 | 13.54 | 48.99 | 74.00 | 25.01 | Vertical | PASS |
| 5 | 11442.67 | 42.77 | 5.07 | 47.84 | 74.00 | 26.16 | Vertical | PASS |
| 6 | 17994.67 | 39.19 | 14.00 | 53.19 | 74.00 | 20.81 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11a | Band: | / |
| Bandwidth | 20MHz | Channel | 6175 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

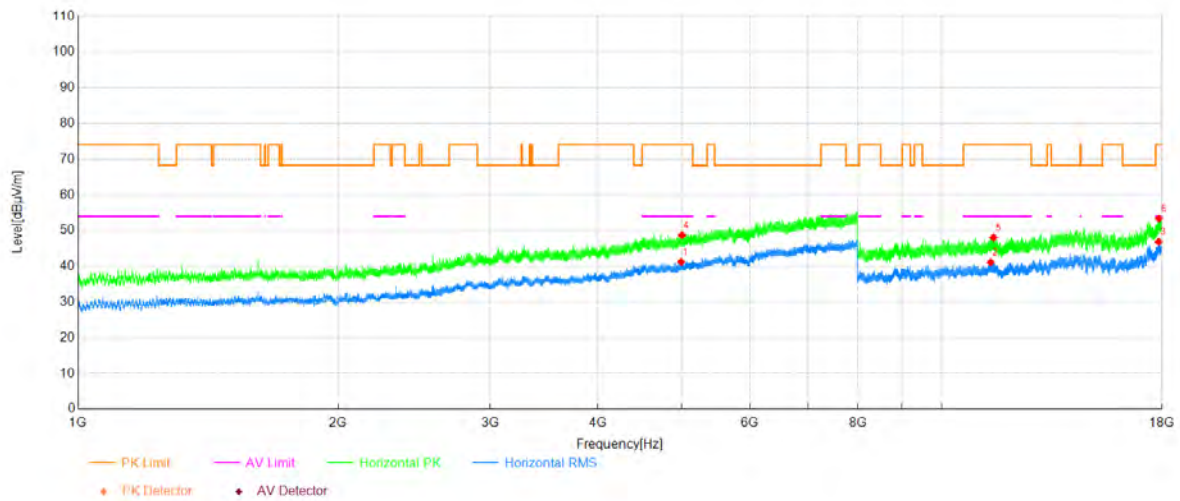
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 5062.45 | 27.86 | 13.80 | 41.66 | 54.00 | 12.34 | Horizontal | PASS |
| 2 | 11498.67 | 35.85 | 5.06 | 40.91 | 54.00 | 13.09 | Horizontal | PASS |
| 3 | 17848.67 | 32.53 | 13.99 | 46.52 | 54.00 | 7.48 | Horizontal | PASS |
| 4 | 5095.70 | 35.59 | 14.24 | 49.83 | 74.00 | 24.17 | Horizontal | PASS |
| 5 | 11404.00 | 43.18 | 5.44 | 48.62 | 74.00 | 25.38 | Horizontal | PASS |
| 6 | 17347.33 | 41.38 | 11.99 | 53.37 | 68.20 | 14.83 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11a | Band: | / |
| Bandwidth | 20MHz | Channel | 6175 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

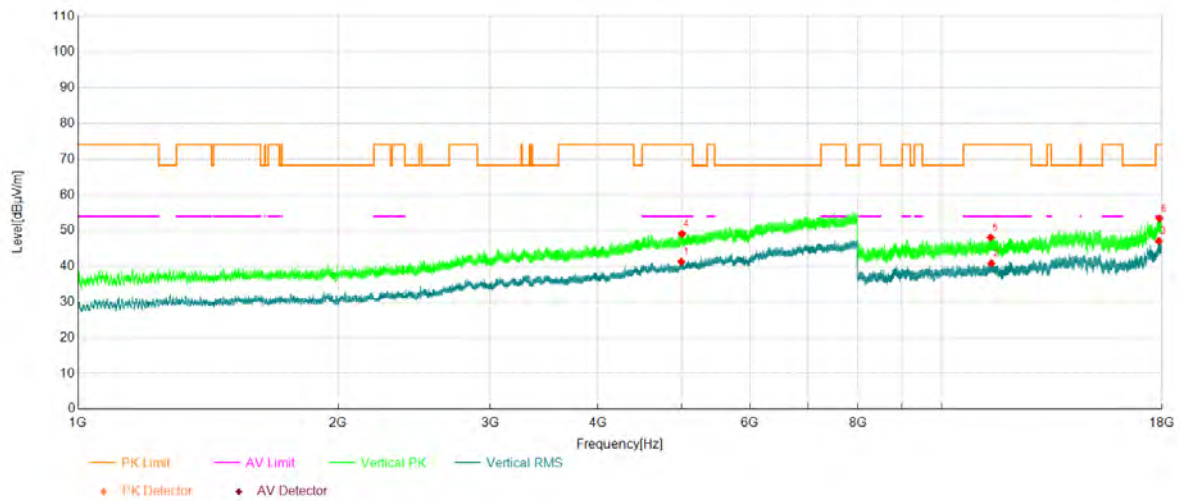
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 5013.45 | 27.59 | 13.55 | 41.14 | 54.00 | 12.86 | Vertical | PASS |
| 2 | 11424.33 | 35.53 | 5.25 | 40.78 | 54.00 | 13.22 | Vertical | PASS |
| 3 | 17856.33 | 32.96 | 13.91 | 46.87 | 54.00 | 7.13 | Vertical | PASS |
| 4 | 5013.10 | 36.29 | 13.55 | 49.84 | 74.00 | 24.16 | Vertical | PASS |
| 5 | 11584.33 | 42.79 | 5.41 | 48.20 | 74.00 | 25.80 | Vertical | PASS |
| 6 | 17848.00 | 39.96 | 13.97 | 53.93 | 74.00 | 20.07 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11a | Band: | / |
| Bandwidth | 20MHz | Channel | 6415 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

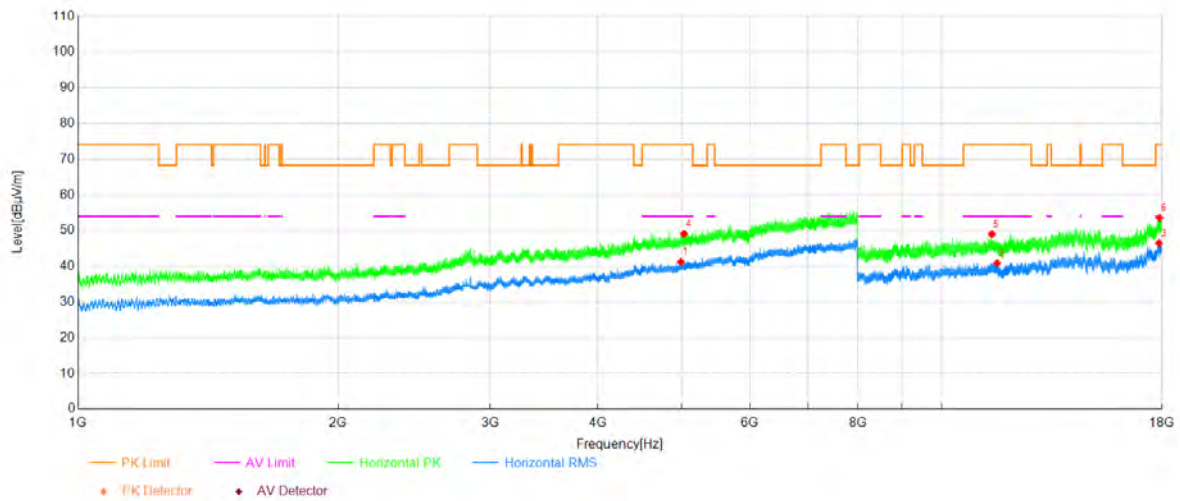
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 4993.15 | 27.70 | 13.48 | 41.18 | 54.00 | 12.82 | Horizontal | PASS |
| 2 | 11398.33 | 35.62 | 5.47 | 41.09 | 54.00 | 12.91 | Horizontal | PASS |
| 3 | 17840.67 | 33.07 | 13.76 | 46.83 | 54.00 | 7.17 | Horizontal | PASS |
| 4 | 5004.35 | 35.16 | 13.53 | 48.69 | 74.00 | 25.31 | Horizontal | PASS |
| 5 | 11486.00 | 43.01 | 5.04 | 48.05 | 74.00 | 25.95 | Horizontal | PASS |
| 6 | 17858.33 | 39.46 | 13.88 | 53.34 | 74.00 | 20.66 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11a | Band: | / |
| Bandwidth | 20MHz | Channel | 6415 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph

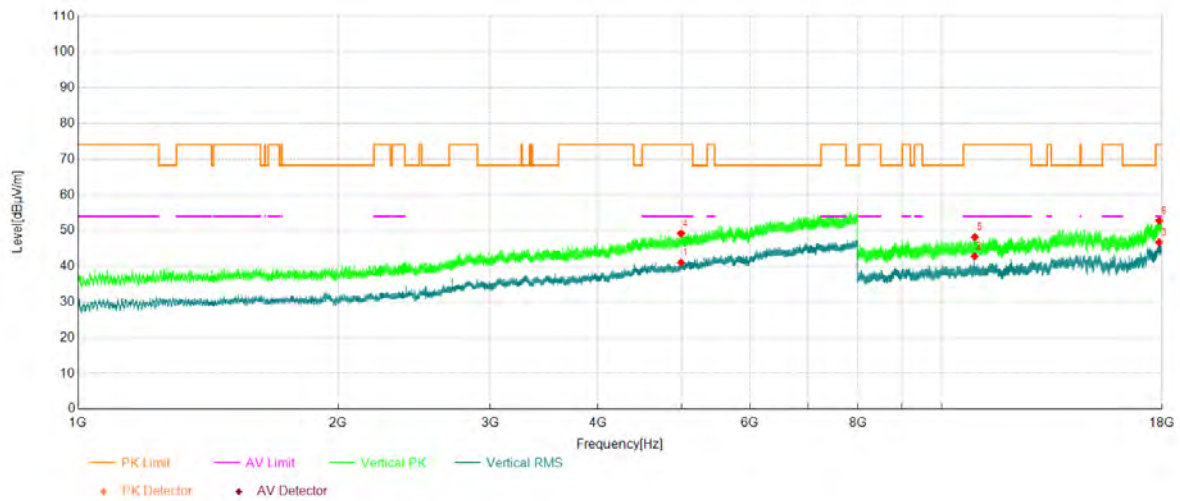
| Data List | | | | | | | | |
|-----------|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 4994.90 | 27.77 | 13.49 | 41.26 | 54.00 | 12.74 | Vertical | PASS |
| 2 | 11418.67 | 35.54 | 5.29 | 40.83 | 54.00 | 13.17 | Vertical | PASS |
| 3 | 17851.00 | 33.07 | 14.00 | 47.07 | 54.00 | 6.93 | Vertical | PASS |
| 4 | 5003.65 | 35.56 | 13.53 | 49.09 | 74.00 | 24.91 | Vertical | PASS |
| 5 | 11396.33 | 42.61 | 5.46 | 48.07 | 74.00 | 25.93 | Vertical | PASS |
| 6 | 17884.33 | 39.92 | 13.44 | 53.36 | 74.00 | 20.64 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be20 | Band: | / |
| Bandwidth | 20MHz | Channel | 5955 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

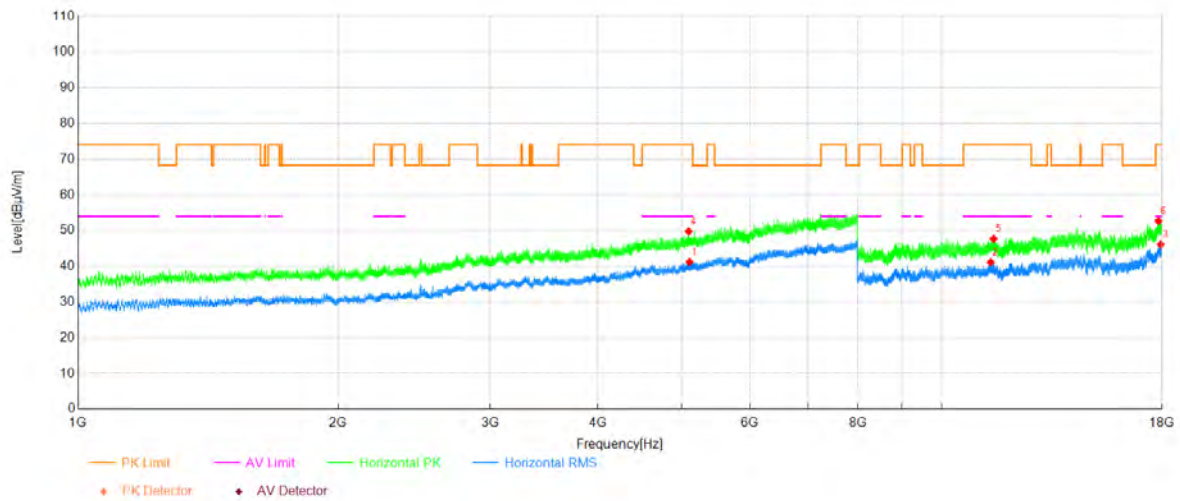
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 4990.70 | 27.75 | 13.46 | 41.21 | 54.00 | 12.79 | Horizontal | PASS |
| 2 | 11592.67 | 35.37 | 5.49 | 40.86 | 54.00 | 13.14 | Horizontal | PASS |
| 3 | 17859.00 | 32.61 | 13.87 | 46.48 | 54.00 | 7.52 | Horizontal | PASS |
| 4 | 5030.60 | 35.46 | 13.59 | 49.05 | 74.00 | 24.95 | Horizontal | PASS |
| 5 | 11432.33 | 43.82 | 5.17 | 48.99 | 74.00 | 25.01 | Horizontal | PASS |
| 6 | 17889.00 | 40.15 | 13.36 | 53.51 | 74.00 | 20.49 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be20 | Band: | / |
| Bandwidth | 20MHz | Channel | 5955 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

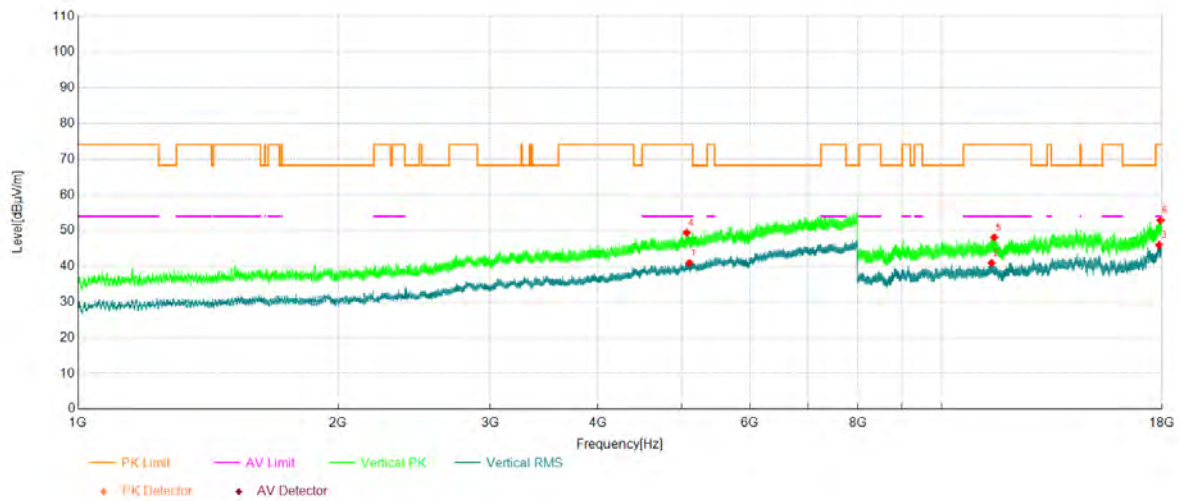
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 4991.40 | 27.56 | 13.46 | 41.02 | 54.00 | 12.98 | Vertical | PASS |
| 2 | 10920.00 | 37.98 | 4.81 | 42.79 | 54.00 | 11.21 | Vertical | PASS |
| 3 | 17863.33 | 32.91 | 13.80 | 46.71 | 54.00 | 7.29 | Vertical | PASS |
| 4 | 4991.05 | 35.73 | 13.46 | 49.19 | 74.00 | 24.81 | Vertical | PASS |
| 5 | 10927.33 | 43.38 | 4.78 | 48.16 | 74.00 | 25.84 | Vertical | PASS |
| 6 | 17872.33 | 39.14 | 13.64 | 52.78 | 74.00 | 21.22 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be20 | Band: | / |
| Bandwidth | 20MHz | Channel | 6175 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph

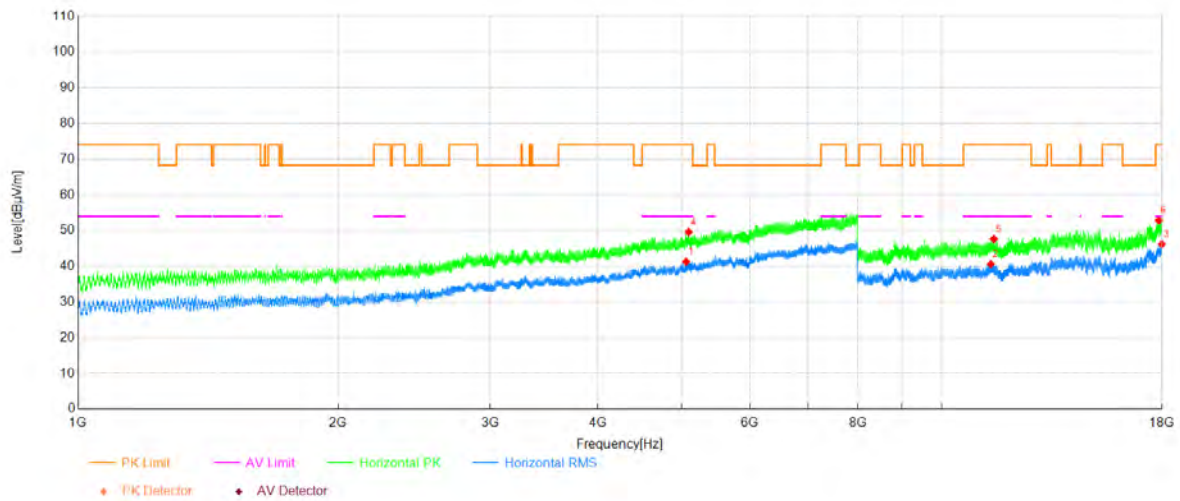
| Data List | | | | | | | | |
|-----------|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 5104.45 | 26.89 | 14.30 | 41.19 | 54.00 | 12.81 | Horizontal | PASS |
| 2 | 11400.67 | 35.63 | 5.46 | 41.09 | 54.00 | 12.91 | Horizontal | PASS |
| 3 | 17939.00 | 32.57 | 13.55 | 46.12 | 54.00 | 7.88 | Horizontal | PASS |
| 4 | 5092.90 | 35.55 | 14.21 | 49.76 | 74.00 | 24.24 | Horizontal | PASS |
| 5 | 11488.67 | 42.65 | 5.05 | 47.70 | 74.00 | 26.30 | Horizontal | PASS |
| 6 | 17837.00 | 39.00 | 13.66 | 52.66 | 74.00 | 21.34 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be20 | Band: | / |
| Bandwidth | 20MHz | Channel | 6175 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

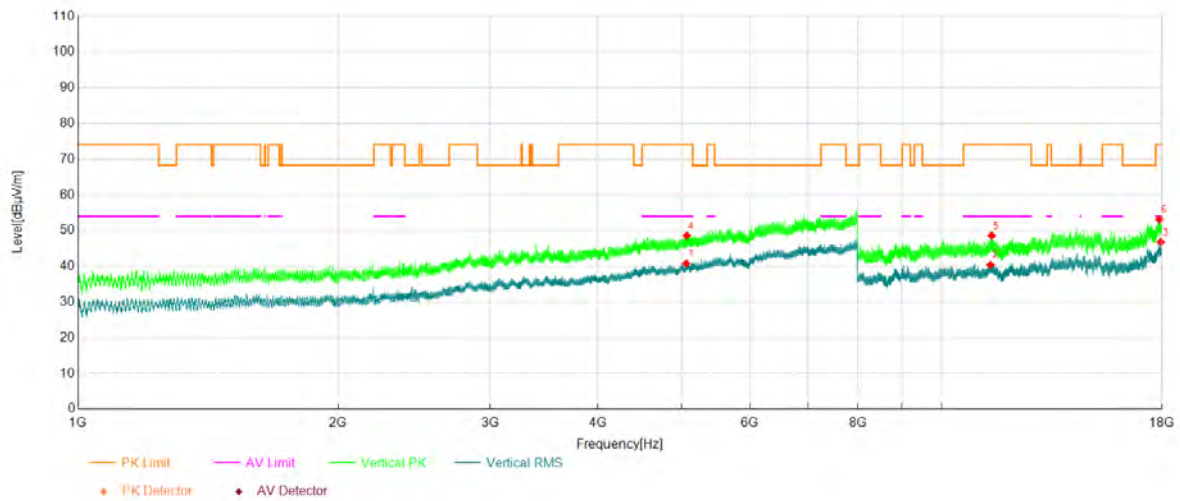
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 5100.95 | 26.60 | 14.30 | 40.90 | 54.00 | 13.10 | Vertical | PASS |
| 2 | 11423.33 | 35.67 | 5.25 | 40.92 | 54.00 | 13.08 | Vertical | PASS |
| 3 | 17862.67 | 32.19 | 13.81 | 46.00 | 54.00 | 8.00 | Vertical | PASS |
| 4 | 5066.30 | 35.58 | 13.85 | 49.43 | 74.00 | 24.57 | Vertical | PASS |
| 5 | 11505.67 | 43.02 | 5.06 | 48.08 | 74.00 | 25.92 | Vertical | PASS |
| 6 | 17928.00 | 39.39 | 13.44 | 52.83 | 74.00 | 21.17 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be20 | Band: | / |
| Bandwidth | 20MHz | Channel | 6415 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

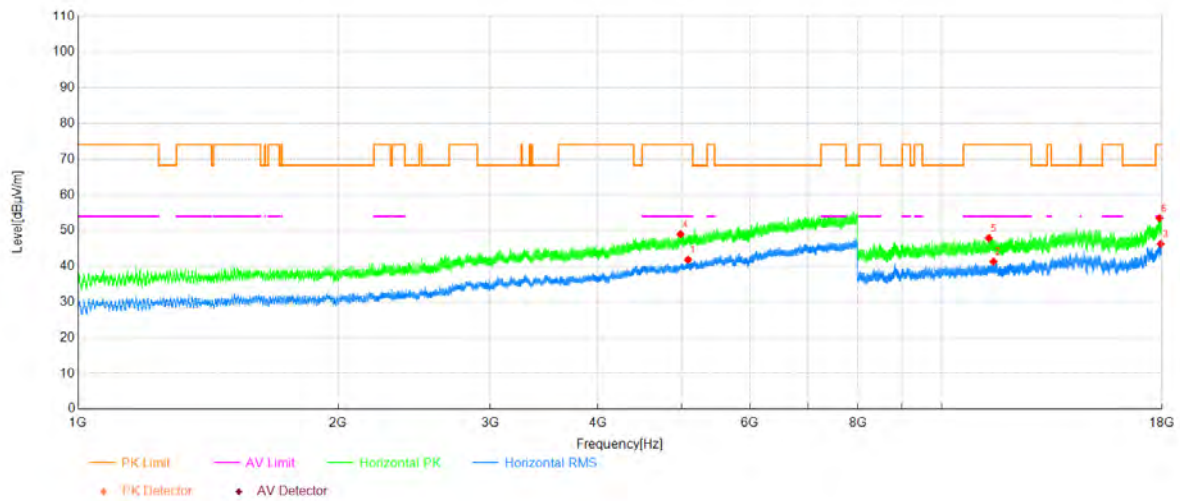
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 5060.00 | 27.49 | 13.77 | 41.26 | 54.00 | 12.74 | Horizontal | PASS |
| 2 | 11401.67 | 35.18 | 5.46 | 40.64 | 54.00 | 13.36 | Horizontal | PASS |
| 3 | 17987.33 | 32.23 | 13.94 | 46.17 | 54.00 | 7.83 | Horizontal | PASS |
| 4 | 5093.60 | 35.37 | 14.22 | 49.59 | 74.00 | 24.41 | Horizontal | PASS |
| 5 | 11494.33 | 42.59 | 5.06 | 47.65 | 74.00 | 26.35 | Horizontal | PASS |
| 6 | 17849.33 | 38.82 | 14.00 | 52.82 | 74.00 | 21.18 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be20 | Band: | / |
| Bandwidth | 20MHz | Channel | 6415 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

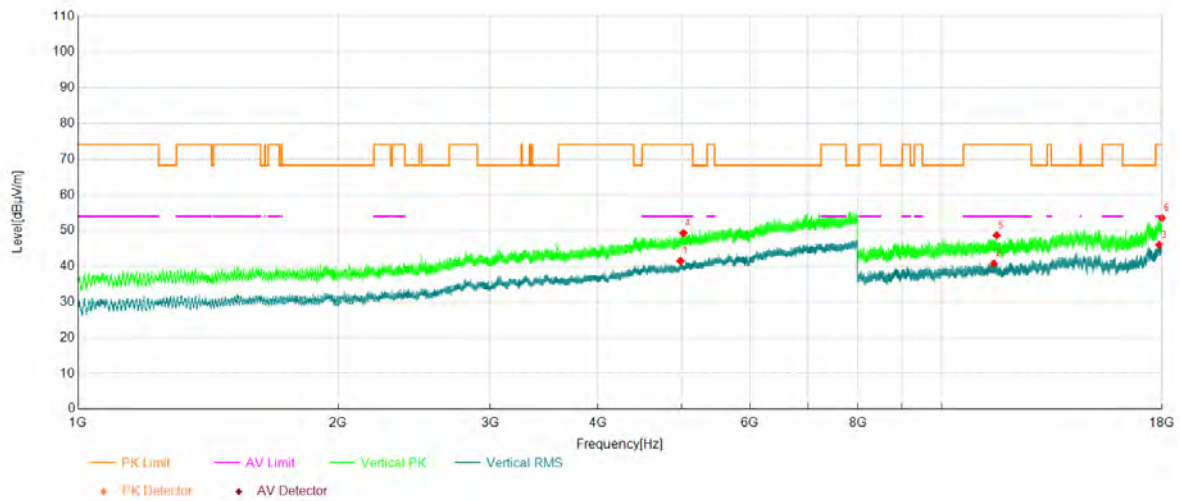
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 5060.70 | 27.00 | 13.78 | 40.78 | 54.00 | 13.22 | Vertical | PASS |
| 2 | 11392.00 | 34.94 | 5.46 | 40.40 | 54.00 | 13.60 | Vertical | PASS |
| 3 | 17938.67 | 33.24 | 13.54 | 46.78 | 54.00 | 7.22 | Vertical | PASS |
| 4 | 5067.35 | 34.71 | 13.86 | 48.57 | 74.00 | 25.43 | Vertical | PASS |
| 5 | 11428.00 | 43.37 | 5.20 | 48.57 | 74.00 | 25.43 | Vertical | PASS |
| 6 | 17876.00 | 39.53 | 13.58 | 53.11 | 74.00 | 20.89 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be40 | Band: | / |
| Bandwidth | 40MHz | Channel | 5965 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

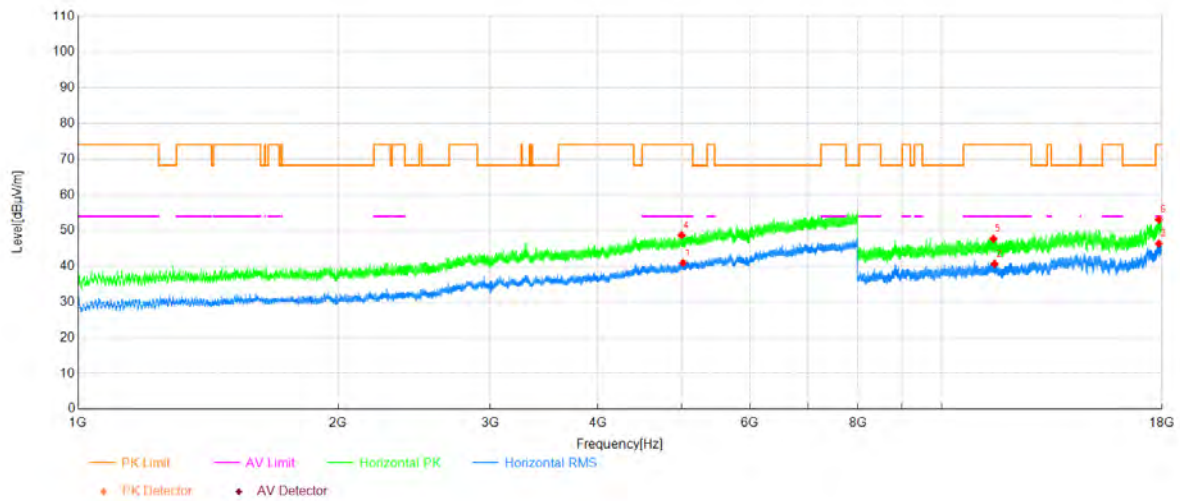
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 5085.90 | 27.72 | 14.11 | 41.83 | 54.00 | 12.17 | Horizontal | PASS |
| 2 | 11482.67 | 36.24 | 5.04 | 41.28 | 54.00 | 12.72 | Horizontal | PASS |
| 3 | 17936.00 | 32.76 | 13.51 | 46.27 | 54.00 | 7.73 | Horizontal | PASS |
| 4 | 4984.75 | 35.54 | 13.42 | 48.96 | 74.00 | 25.04 | Horizontal | PASS |
| 5 | 11343.00 | 42.63 | 5.26 | 47.89 | 74.00 | 26.11 | Horizontal | PASS |
| 6 | 17882.33 | 39.97 | 13.47 | 53.44 | 74.00 | 20.56 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be40 | Band: | / |
| Bandwidth | 40MHz | Channel | 5965 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

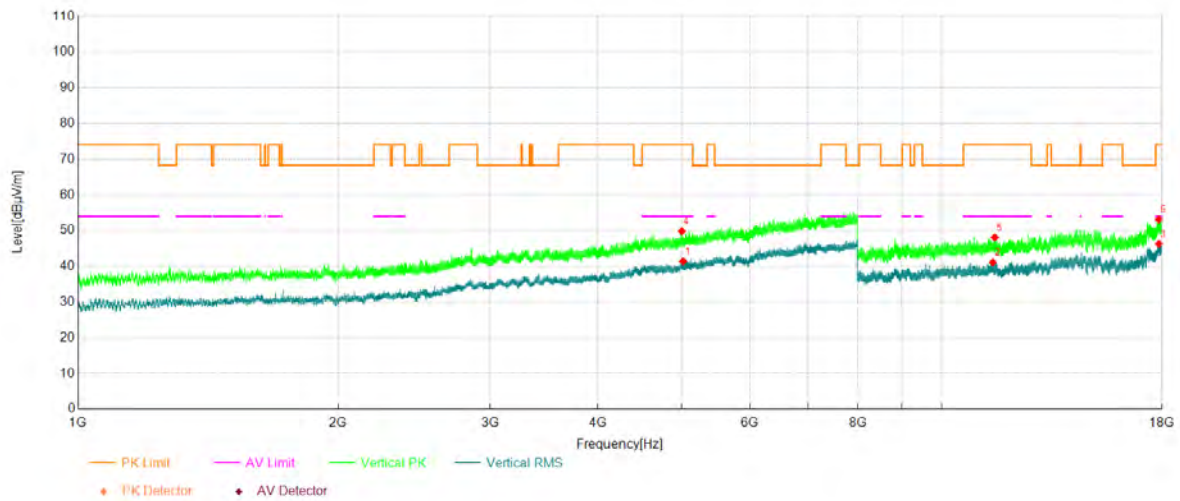
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 4984.05 | 28.08 | 13.42 | 41.50 | 54.00 | 12.50 | Vertical | PASS |
| 2 | 11495.67 | 35.74 | 5.05 | 40.79 | 54.00 | 13.21 | Vertical | PASS |
| 3 | 17862.33 | 32.24 | 13.81 | 46.05 | 54.00 | 7.95 | Vertical | PASS |
| 4 | 5022.90 | 35.72 | 13.57 | 49.29 | 74.00 | 24.71 | Vertical | PASS |
| 5 | 11580.33 | 43.28 | 5.37 | 48.65 | 74.00 | 25.35 | Vertical | PASS |
| 6 | 17994.00 | 39.50 | 14.00 | 53.50 | 74.00 | 20.50 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be40 | Band: | / |
| Bandwidth | 40MHz | Channel | 6165 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph

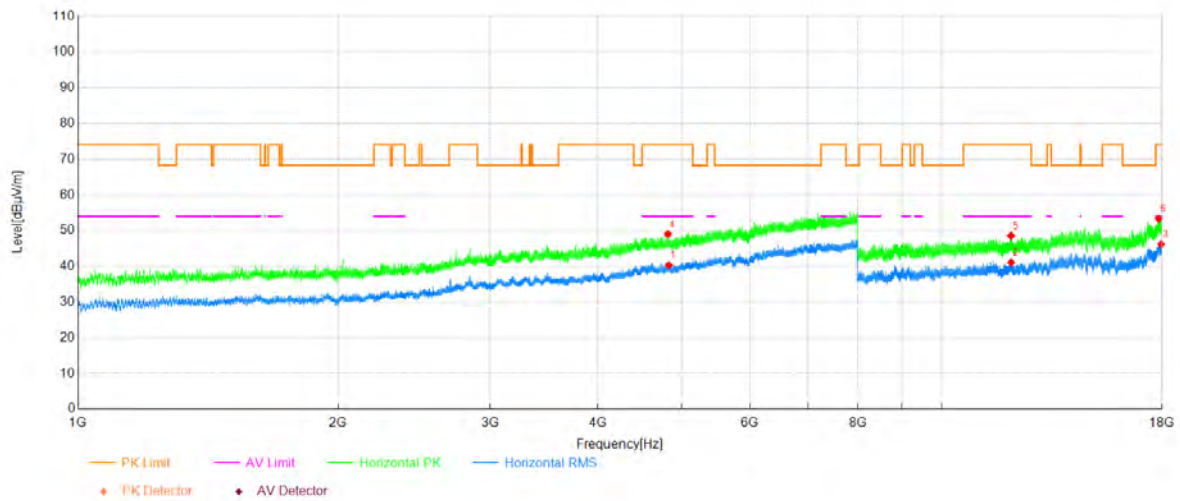
| Data List | | | | | | | | |
|-----------|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
| 1 | 5018.70 | 27.39 | 13.56 | 40.95 | 54.00 | 13.05 | Horizontal | PASS |
| 2 | 11518.33 | 35.62 | 5.07 | 40.69 | 54.00 | 13.31 | Horizontal | PASS |
| 3 | 17851.33 | 32.36 | 13.99 | 46.35 | 54.00 | 7.65 | Horizontal | PASS |
| 4 | 4998.40 | 35.18 | 13.51 | 48.69 | 74.00 | 25.31 | Horizontal | PASS |
| 5 | 11483.00 | 42.65 | 5.04 | 47.69 | 74.00 | 26.31 | Horizontal | PASS |
| 6 | 17855.00 | 39.12 | 13.93 | 53.05 | 74.00 | 20.95 | Horizontal | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be40 | Band: | / |
| Bandwidth | 40MHz | Channel | 6165 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|----------|---------|
| 1 | 5018.35 | 27.80 | 13.56 | 41.36 | 54.00 | 12.64 | Vertical | PASS |
| 2 | 11463.00 | 36.06 | 5.02 | 41.08 | 54.00 | 12.92 | Vertical | PASS |
| 3 | 17854.67 | 32.33 | 13.94 | 46.27 | 54.00 | 7.73 | Vertical | PASS |
| 4 | 5002.25 | 36.29 | 13.53 | 49.82 | 74.00 | 24.18 | Vertical | PASS |
| 5 | 11522.67 | 43.00 | 5.07 | 48.07 | 74.00 | 25.93 | Vertical | PASS |
| 6 | 17848.00 | 39.15 | 13.97 | 53.12 | 74.00 | 20.88 | Vertical | PASS |

| Project Information | | | |
|---------------------|-----------------|-----------|------|
| Mode: | 802.11be40 | Band: | / |
| Bandwidth | 40MHz | Channel | 6405 |
| SN: | D1Y24EB28000030 | Engineer: | 申状 |
| Remark: | Polarity: X | | |

Test Graph**Data List**

| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Polarity | Verdict |
|-----|-------------|----------------|-------------|----------------|----------------|-------------|------------|---------|
| 1 | 4830.75 | 27.15 | 13.16 | 40.31 | 54.00 | 13.69 | Horizontal | PASS |
| 2 | 12037.00 | 35.41 | 5.63 | 41.04 | 54.00 | 12.96 | Horizontal | PASS |
| 3 | 17958.00 | 32.47 | 13.71 | 46.18 | 54.00 | 7.82 | Horizontal | PASS |
| 4 | 4820.60 | 35.82 | 13.17 | 48.99 | 74.00 | 25.01 | Horizontal | PASS |
| 5 | 12032.33 | 42.95 | 5.59 | 48.54 | 74.00 | 25.46 | Horizontal | PASS |
| 6 | 17838.67 | 39.58 | 13.71 | 53.29 | 74.00 | 20.71 | Horizontal | PASS |