NVLAP TESTING
NVLAP LAB CODE 600341-0

BACL Bay Area Compliance Labs Corp.

# TEST REPORT

| | |
|---|---|
| **Applicant:** | **Autel Robotics Co., Ltd.** |
| **Address:** | **601,701,801,901, Block B1, Nanshan iPark, No. 1001 Xueyuan Avenue, Nanshan District, Shenzhen, Guangdong, 518055, China** |
| **Product Name:** | **EVO Lite, EVO Lite+, EVO Lite 6K Enterprise, EVO Lite 640T Enterprise** |
| **FCC ID:** | **2AGNTMDXM2409B** |
| **Standard(s):** | **47 CFR Part 15, Subpart E(15.407)<br>ANSI C63.10-2013<br>KDB 789033 D02 General U-NII Test Procedures New Rules v02r01** |
| **Report Number:** | **2402A108190E-RF-00B** |
| **Report Date:** | **2025/1/24** |

The above device has been tested and found compliant with the requirement of the relative standards by Bay Area Compliance Laboratories Corp. (Dongguan).

| | |
|---|---|
| **Reviewed By:** Pedro Yun | **Approved By:** Gavin Xu |
| Title: Project Engineer | Title: RF Supervisor |

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# CONTENTS

# DOCUMENT REVISION HISTORY

| Revision Number | Report Number | Description of Revision | Date of Revision |
|---|---|---|---|
| 1.0 | 2402A108190E-RF-00B | Original Report | 2025/1/24 |

# 1. GENERAL INFORMATION

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

| | |
|---|---|
| **EUT Name:** | EVO Lite, EVO Lite+, EVO Lite 6K Enterprise, EVO Lite 640T Enterprise |
| **EUT Model:** | MDXM |
| **Multiple Model:** | MDXM2 |
| **Operation Frequency:** | 5150-5250MHz:<br>5180-5240 MHz(802.11a/n ht20/ac vht20)<br>5190-5230 MHz(802.11n ht40/ac vht40)<br>5210 MHz(802.11ac vht80)<br>5725-5850MHz:<br>5745-5825 MHz (802.11a/n ht20/ac vht20)<br>5755-5795 MHz(802.11n ht40/ac vht40)<br>5775 MHz(802.11ac vht80) |
| **Maximum Average Conducted Output Power:** | 14.55dBm(5150-5250MHz)<br>12.86dBm(5725-5850MHz) |
| **Modulation Type:** | 802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM |
| **Emission Designator:** | D1D |
| **Rated Input Voltage:** | DC 11.13V from Battery |
| **Serial Number:** | 2VFQ-1 (For RF Conducted Test)<br>2VFQ-9 (For Radiated Spurious Emission below 1GHz Test)<br>2VFQ-7 (For Radiated Spurious Emission above 1GHz Test) |
| **EUT Received Date:** | 2024/12/4 |
| **EUT Received Status:** | Good |

Note:
The multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.
The device can install difference Gimbal camera, test was only performed with Gimbal camera 1#(Camera for EVO Lite+ and EVO Lite 6K Enterprise).

## 1.2 Accessory Information

| Accessory Description | Manufacturer | Model | Parameters |
|---|---|---|---|
| Adapter | Shenzhen Esun Power Technology Co.,Ltd | AQ661-12755000D | Input:100-240Vac,50/60Hz,3.0 A<br>Output:Main:12.75Vdc.5.0A;<br>USB-C:5.0Vdc,3.0A; 9.0V,2.0A;<br>12.0V,1.5A<br>Total Output Power: 63.75W Max |

## 1.3 Antenna Information Detail▲

| Antenna Manufacturer | Antenna Type | input impedance (Ohm) | Frequency Range | Antenna Gain |
|---|---|---|---|---|
| Dongguan YiJia Electronics Communcication Technology Co.,Ltd | FPC | 50 | 5150-5250MHz | -0.2 dBi |
| | | | 5725-5850MHz | 4.6 dBi |

| **The design of compliance with §15.203:** | |
|---|---|
| ☒ | Unit uses a permanently attached antenna. |
| ☐ | Unit uses a unique coupling to the intentional radiator. |
| ☐ | Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit. |

## 1.4 Equipment Modifications

No modifications are made to the EUT during all test items.

# 2. SUMMARY OF TEST RESULTS

| Standard(s) Section | Test Items | Result |
|---|---|---|
| §15.207(a) | AC line conducted emissions | Not Applicable |
| FCC§15.205& §15.209 &§15.407(b) | Undesirable Emission& Restricted Bands | Compliant |
| FCC§15.407(a) (e) | Emission Bandwidth | Compliant |
| FCC§15.407(a) | Maximum Conducted Output Power | Compliant |
| FCC§15.407 (a) | Power Spectral Density | Compliant |
| §15.203 | Antenna Requirement | Compliant |
| Note:<br>For Radiated Spurious Emissions 9kHz~ 1GHz and 18-40GHz, the maximum output power mode and channel was tested.<br>For AC Line Conducted Emissions: not Applicable, the device was powered by battery when operating. | | |

# 3. DESCRIPTION OF TEST CONFIGURATION

## 3.1 Operation Frequency Detail

| 5150-5250MHz Band | | 5725-5850MHz Band | |
|---|---|---|---|
| **Channel** | **Frequency (MHz)** | **Channel** | **Frequency (MHz)** |
| **For 802.11a/n ht20/ac vht20:** | | | |
| 36 | **5180** | 149 | **5745** |
| 40 | **5200** | 153 | 5765 |
| 44 | 5220 | 157 | **5785** |
| 48 | **5240** | 161 | 5805 |
| / | / | 165 | **5825** |
| **For 802.11n ht40/ac vht40:** | | | |
| 38 | **5190** | 151 | **5755** |
| 46 | **5230** | 159 | **5795** |
| **For 802.11ac vht80:** | | | |
| 42 | **5210** | 155 | **5775** |

## 3.2 EUT Operation Condition

The system was configured for testing in Engineering Mode, which was provided by the manufacturer. The EUT configuration is below:

| **EUT Exercise Software:** | ADB.exe | | | |
|---|---|---|---|---|
| The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲: | | | | |
| **Test Modes** | **Test Channels** | **Test Frequency (MHz)** | **Data rate** | **Power Level Setting** |
| **5150-5250 MHz Band:** | | | | |
| 802.11a | Lowest | 5180 | 6Mbps | 56 |
| | Middle | 5200 | 6Mbps | 63 |
| | Highest | 5240 | 6Mbps | 63 |
| 802.11n ht20 | Lowest | 5180 | MCS0 | 53 |
| | Middle | 5200 | MCS0 | 61 |
| | Highest | 5240 | MCS0 | 61 |
| 802.11n ht40 | Lowest | 5190 | MCS0 | 48 |
| | Highest | 5230 | MCS0 | 60 |
| 802.11ac vht80 | Middle | 5210 | MCS0 | 45 |
| **5725-5850 MHz Band:** | | | | |
| 802.11a | Lowest | 5745 | 6Mbps | 63 |
| | Middle | 5785 | 6Mbps | 63 |
| | Highest | 5825 | 6Mbps | 63 |
| 802.11n ht20 | Lowest | 5745 | MCS0 | 63 |
| | Middle | 5785 | MCS0 | 63 |
| | Highest | 5825 | MCS0 | 63 |
| 802.11n ht40 | Lowest | 5755 | MCS0 | 63 |
| | Highest | 5795 | MCS0 | 63 |
| 802.11ac vht80 | Middle | 5775 | MCS0 | 63 |

Note:
1.The system support 802.11a/n ht20/n ht40/ac vht20/vht40/vht80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.
2.The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.

## 3.3 Support Equipment List and Details

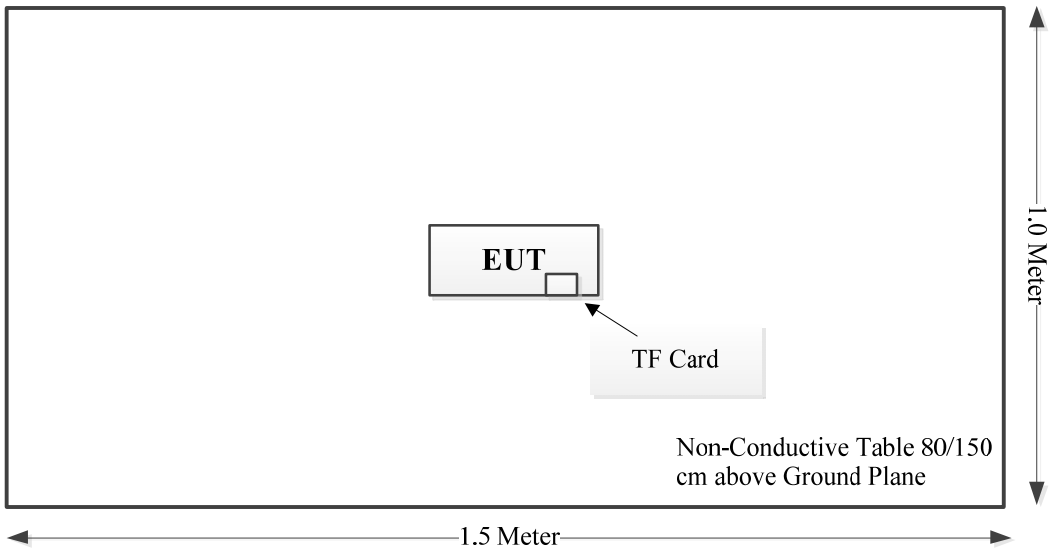
| Manufacturer | Description | Model | Serial Number |
|---|---|---|---|
| SAMSUNG | Micro TF Card | MB-MC128H | MBMCDGVDACW-5 |

## 3.4 Support Cable List and Details

| Cable Description | Shielding Type | Ferrite Core | Length (m) | From Port | To |
|---|---|---|---|---|---|
| / | / | / | / | / | / |

## 3.5 Block Diagram of Test Setup

Spurious Emissions:



## 3.6 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.12, Pulong East 1st Road, Tangxia Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 829273, the FCC Designation No. : CN5044.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0022.

## 3.7 Measurement Uncertainty

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

| Parameter | Measurement Uncertainty |
|---|---|
| Occupied Channel Bandwidth | ±5 % |
| RF output power, conducted | ±0.61dB |
| Power Spectral Density, conducted | ±0.61 dB |
| Unwanted Emissions, radiated | 9kHz~30MHz: 3.3dB, 30MHz~200MHz: 4.55 dB, 200MHz~1GHz: 5.92 dB, 1GHz~6GHz: 4.98 dB, 6GHz~18GHz: 5.89 dB, 18GHz~26.5GHz:5.47 dB, 26.5GHz~40GHz:5.63 dB |
| Unwanted Emissions, conducted | ±2.47 dB |
| Temperature | ±1℃ |
| Humidity | ±5% |
| DC and low frequency voltages | ±0.4% |
| Duty Cycle | 1% |
| AC Power Lines Conducted Emission | 3.11 dB (150 kHz to 30 MHz) |

# 4. REQUIREMENTS AND TEST PROCEDURES

## 4.1 AC Line Conducted Emissions

### 4.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

| | Conducted limit (dBμV) | |
|---|---|---|
| Frequency of emission (MHz) | 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.

(b) The limit shown in paragraph (a) of this section shall not apply to carrier current systems operating as intentional radiators on frequencies below 30 MHz. In lieu thereof, these carrier current systems shall be subject to the following standards:

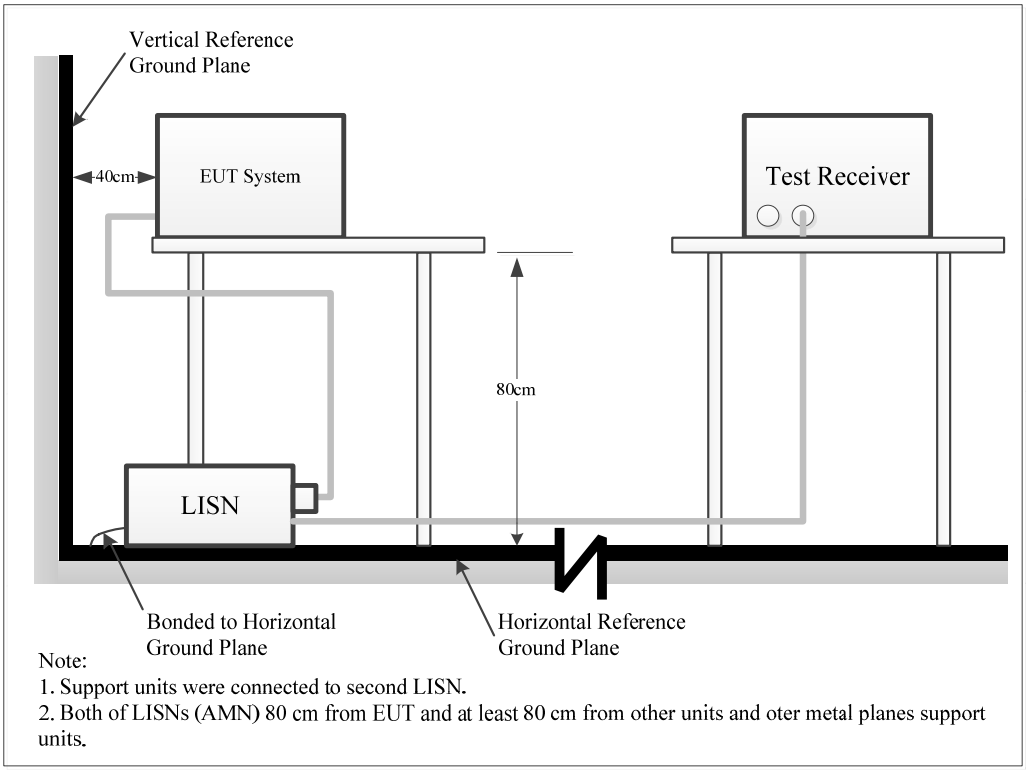
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000 μV within the frequency band 535-1705 kHz, as measured using a 50 μH/50 ohms LISN.

(3) Carrier current systems operating below 30 MHz are also subject to the radiated emission limits in §15.205, §15.209, §15.221, §15.223, or §15.227, as appropriate.

(c) Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines. Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtainig their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

### 4.1.2 EUT Setup




Note:
1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at least 80 cm from other units and oter metal planes support units.

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

The spacing between the peripherals was 10 cm.

### 4.1.3 EMI Test Receiver Setup

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

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

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

### 4.1.4 Test Procedure

The frequency and amplitude of the six highest ac power-line conducted emissions relative to the limit, measured over all the current-carrying conductors of the EUT power cords, and the operating frequency or frequency to which the EUT is tuned (if appropriate), should be reported, unless such emissions are more than 20 dB below the limit. AC power-line conducted emissions measurements are to be separately carried out only on each of the phase ("hot") line(s) and (if used) on the neutral line(s), but not on the ground [protective earth] line(s). If less than six emission frequencies are within 20 dB of the limit, then the noise level of the measuring instrument at representative frequencies should be reported. The specific conductor of the power-line cord for each of the reported emissions should be identified. Measure the six highest emissions with respect to the limit on each current-carrying conductor of each power cord associated with the EUT (but not the power cords of associated or peripheral equipment that are part of the test configuration). Then, report the six highest emissions with respect to the limit from among all the measurements identifying the frequency and specific current-carrying conductor identified with the emission. The six highest emissions should be reported for each of the current-carrying conductors, or the six highest emissions may be reported over all the current-carrying conductors.

### 4.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor
Factor = attenuation caused by cable loss + voltage division factor of AMN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

### 4.1.6 Test Result

Please refer to section 5.1.

## 4.2 Radiation Spurious Emissions

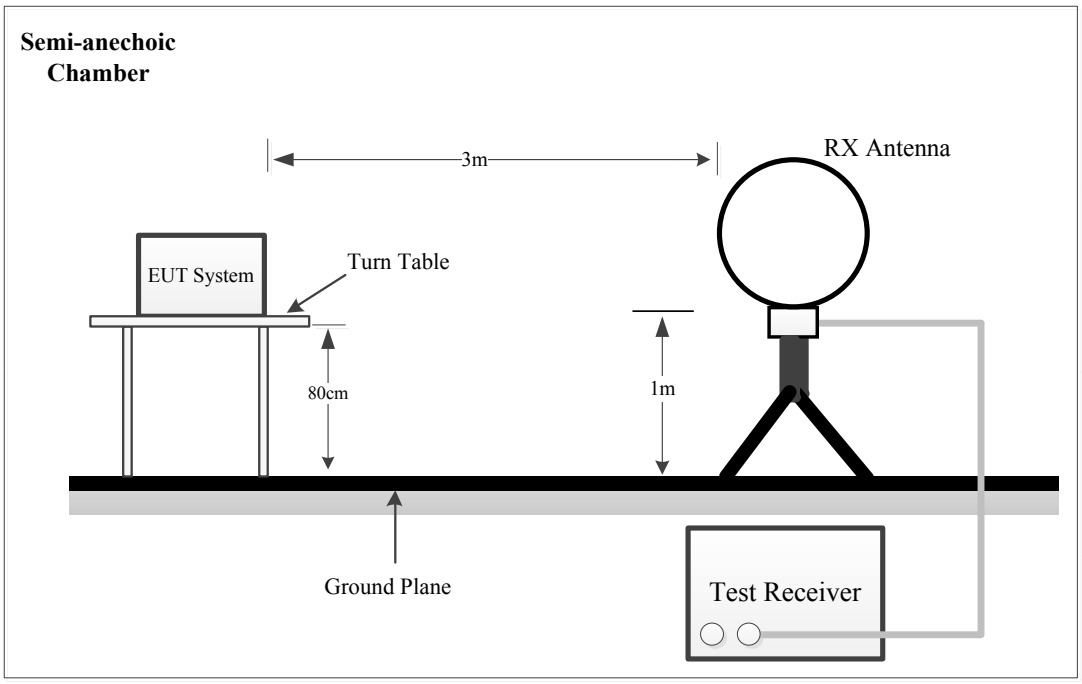
### 4.2.1 Applicable Standard

FCC §15.407 (b);

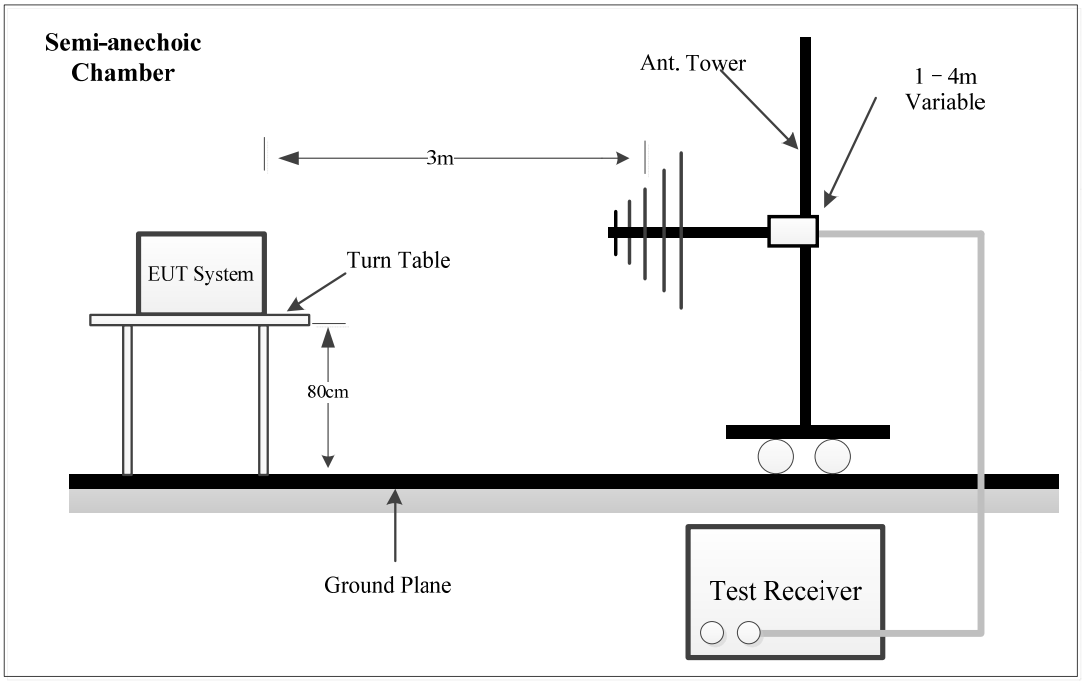
*Undesirable emission limits.* Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of – 27 dBm/MHz.
(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of – 27 dBm/MHz.
(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of – 27 dBm/MHz.
(4) For transmitters operating solely in the 5.725-5.850 GHz band:
(i) 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.
(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.
(8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
(9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.
(11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

### 4.2.2 EUT Setup

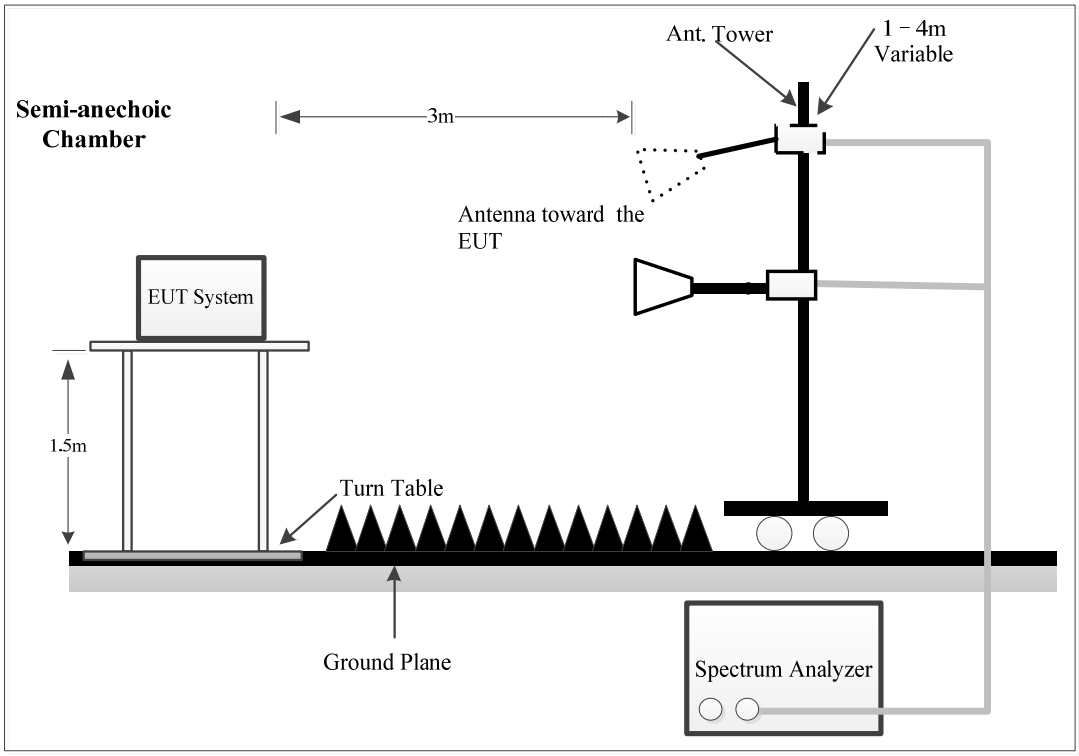
**9kHz~30MHz:**



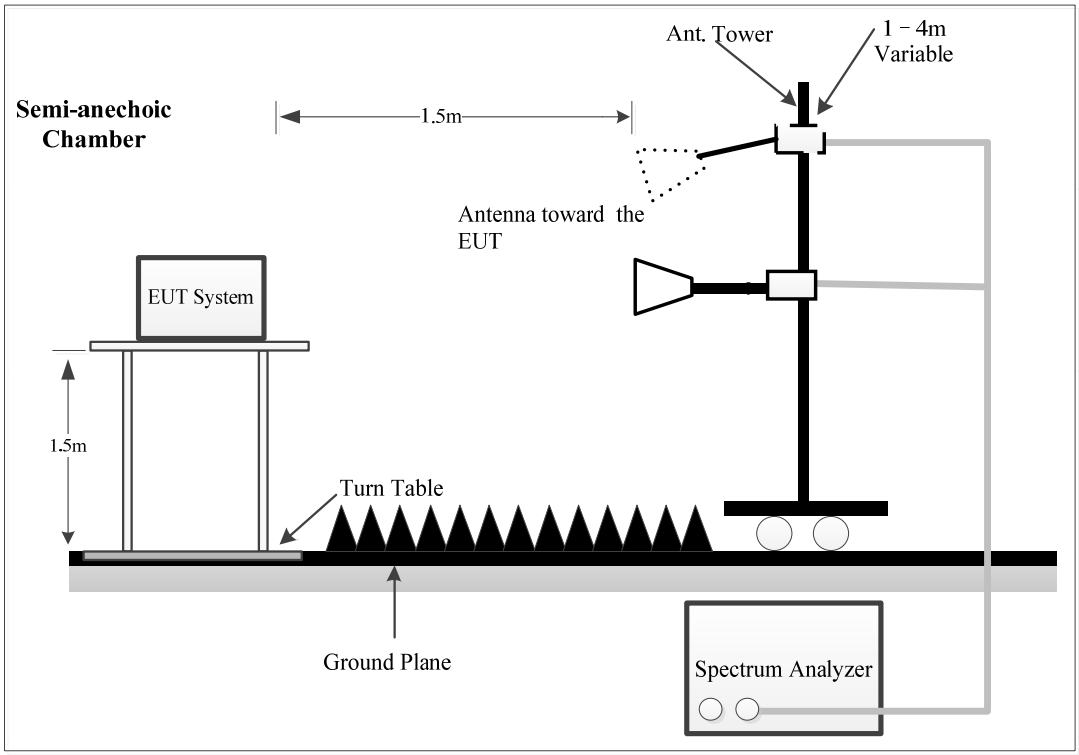

**30MHz~1GHz:**



**1-26.5GHz:**




**26.5-40GHz:**




The radiated emission tests were performed in the semi-anechoic chamber, using the setup accordance with the ANSI C63.10-2013. The specification used was FCC 15.209, FCC 15.407 limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

For 9kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

### 4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

During the radiated emission test, the EMI test receiver & Spectrum Analyzer Setup were set with the following configurations:

9kHz-1000MHz:

| Frequency Range | Measurement | RBW | Video B/W | IF B/W | Detector |
|---|---|---|---|---|---|
| 9 kHz – 150 kHz | QP/AV | 300Hz | 1 kHz | 200 Hz | QP/AV |
| 150 kHz – 30 MHz | QP/AV | 10 kHz | 30 kHz | 9 kHz | QP/AV |
| 30MHz – 1000 MHz | PK | 100 kHz | 300 kHz | / | PK |
| | QP | / | / | 120kHz | QP |

1GHz- 40GHz:
Pre-scan:

| Measurement | Detector | Duty cycle | RBW | Video B/W |
|---|---|---|---|---|
| PK | Peak | Any | 1MHz | 3 MHz |
| Ave. | Peak | >98% | 1MHz | 5kHz |
| | | <98% | 1MHz | 5kHz |

Final measurement for emission identified during the pre-scan:

| Measurement | Detector | Duty cycle | RBW | Video B/W |
|---|---|---|---|---|
| PK | Peak | Any | 1MHz | 3 MHz |
| Ave. | Peak | >98% | 1MHz | 10 Hz |
| | | <98% | 1MHz | ≥1/T |

Note: T is minimum transmission duration

### 4.2.4 Test Procedure

During the radiated emission test, the adapter was connected to the first AC floor outlet.

Data was recorded in Quasi-peak detection mode for frequency range of 9 kHz-1 GHz except 9 – 90 kHz, 110 – 490 kHz, employing an average detector, peak and Average detection modes for frequencies above 1 GHz.

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

If the maximized peak measured value is under the average limit, then it is unnecessary to perform an QP measurement.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, emission shall be computed as: E [dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters.

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

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

For Bandedge test and Radiated 26.5-40GHz test, which was performed at 1.5 m distance, according to C63.10, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.5m
Distance extrapolation Factor =20 log (specific distance [3m]/test distance [1.5m]) dB= 6.0 dB

**4.2.5 Corrected Result & Margin Calculation**

The basic equation except bandedge/26.5-40GHz test is as follows:

Factor = Antenna Factor + Cable Loss-Amplifier Gain

For Radiated 26.5-40GHz and bandedge test:
Factor = Antenna Factor + Cable Loss- Distance extrapolation Factor

Result = Reading + Factor

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. The equation for margin calculation is as follows:

Margin = Limit – Result

**4.2.6 Test Result**

Please refer to section 5.2.

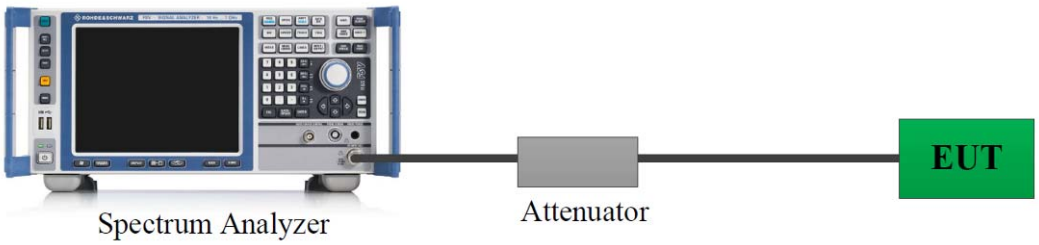
## 4.3 Emission Bandwidth

### 4.3.1 Applicable Standard

FCC §15.407 (a),(h)
(h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems.

FCC §15.407 (e)
Within the 5.725-5.850 GHz and 5.850-5.895 GHz bands, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

### 4.3.2 EUT Setup




A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The insert loss of this RF cable/attenuator was offset into the setting of test equipment.

### 4.3.3 Test Procedure

**26dB Emission Bandwidth:**

According to ANSI C63.10-2013 Section 12.4.1

a) Set RBW = approximately 1% of the emission bandwidth.
b) Set the VBW > RBW.
c) Detector = peak.
d) Trace mode = max hold
e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

**6 dB emission bandwidth:**

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

a) Set RBW = 100 kHz.
b) Set the video bandwidth (VBW) ≥ 3 RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) 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.

Note: The automatic bandwidth measurement capability of a spectrum analyzer or EMI receiver may be employed if it implements the functionality described in this section. For devices that use channel aggregation refer to III.A and III.C for determining emission bandwidth.

**99% Occupied Bandwidth:**

According to ANSI C63.10-2013 Section 12.4.2&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:
a) The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
c) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.
d) Step a) through step c) might require iteration to adjust within the specified range.
e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

**4.3.4 Test Result**

Please refer to section 5.3 and section 5.4.

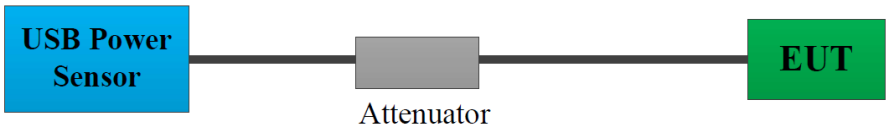
## 4.4 Maximum Conducted Output Power

### 4.4.1 Applicable Standard

FCC §15.407(a) (1)(iv)
For client devices in the 5.15 – 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW 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.

FCC §15.407(a) (3)(i)
For the band 5.725-5.850 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

### 4.4.2 EUT Setup




A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The insert loss of this RF cable/attenuator was offset into the setting of test equipment.

### 4.4.3 Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.1

Method PM-G is measurement using a gated RF average power meter.
Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 4.4.4 Test Result

Please refer to section 5.6.

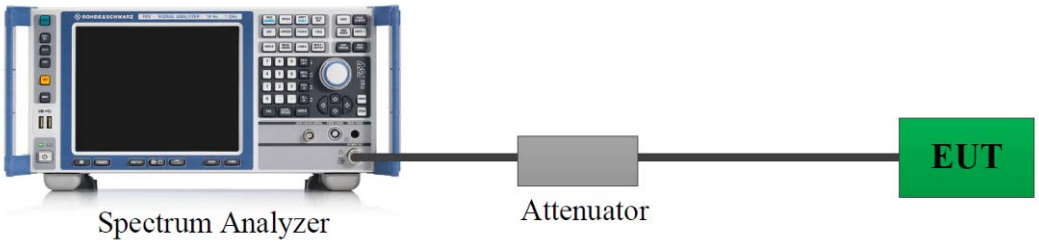
## 4.5 Maximum Power Spectral Density

### 4.5.1 Applicable Standard

FCC §15.407(a) (1)(iv)
For client devices in the 5.15 – 5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW 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.

FCC §15.407(a) (3)(i)
For the band 5.725-5.850 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. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

### 4.5.2 EUT Setup




A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The insert loss of this RF cable/attenuator was offset into the setting of test equipment.

### 4.5.3 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01

**Duty cycle ≥98%**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 should be applied.

**Duty cycle <98%, duty cycle variations are less than ±2%**

KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-2 should be applied.

**Duty cycle <98%, duty cycle variations exceed ±2%**

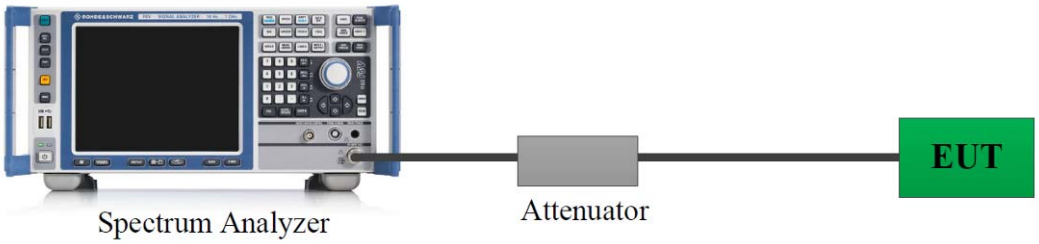
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

### 4.5.4 Test Result

Please refer to section 5.6.

## 4.6 Duty Cycle

### 4.6.1 EUT Setup




A short RF cable with low cable loss connected to the EUT antenna port, which was provided by manufacturer. The insert loss of this RF cable/attenuator was offset into the setting of test equipment.

### 4.6.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:
1) Set the center frequency of the instrument to the center frequency of the transmission.
2) Set RBW ≥ OBW if possible; otherwise, set RBW to the largest available value.
3) Set VBW ≥ RBW. Set detector = peak or average.
4) The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if T ≤ 16.7 μs.)

### 4.6.3 Judgment

Report Only. Please refer to section 5.7.

## 4.7 Antenna Requirement

### 4.7.1 Applicable Standard

FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

### 4.7.2 Judgment

**Compliant.** Please refer to the Antenna Information detail in Section 1.3.

# 5. Test DATA AND RESULTS

## 5.1 AC Line Conducted Emissions

Not Applicable, the device was powered by battery when operating.

## 5.2 Radiation Spurious Emissions

### 1) 9kHz - 1GHz

| | | | |
|---|---|---|---|
| Serial Number: | 2VFQ-9 | Test Date: | 2024/12/24 |
| Test Site: | Chamber10m | Test Mode: | Transmitting |
| Tester: | Leesin Xiang | Test Result: | Pass |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 20.1 | Relative Humidity: (%) | 37 | ATM Pressure: (kPa) | 102.3 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| EMCO | Passive Loop Antenna | 6512 | 9706-1206 | 2023/10/25 | 2026/10/24 |
| Sunol Sciences | Hybrid Antenna | JB3 | A060611-1 | 2023/9/6 | 2026/9/5 |
| Narda | Coaxial Attenuator | 779-6dB | 04269 | 2023/9/6 | 2026/9/5 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-1000-01 | 2024/7/1 | 2025/6/30 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0400-04 | 2024/7/1 | 2025/6/30 |
| Unknown | Coaxial Cable | C-NJNJ-50 | C-0530-01 | 2024/7/1 | 2025/6/30 |
| Sonoma | Amplifier | 310N | 185914 | 2024/8/26 | 2025/8/25 |
| R&S | EMI Test Receiver | ESCI | 100224 | 2024/8/26 | 2025/8/25 |
| Audix | Test Software | E3 | 191218 V9 | N/A | N/A |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

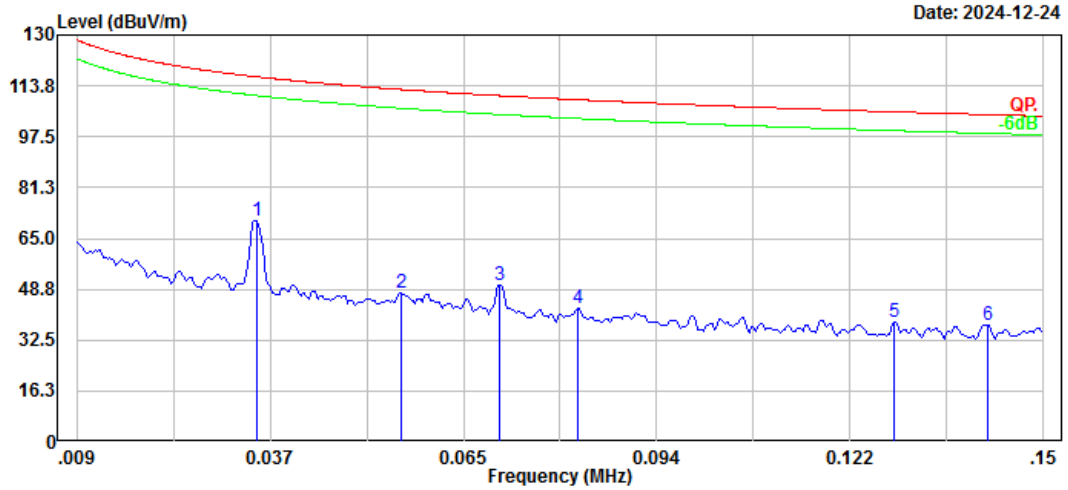
**Test Data:**

Please refer to the below table and plots.
After pre-scan in the X, Y and Z axes of orientation, the worst case is refer to table and plots.

**9kHz~30MHz(802.11a 5200MHz was tested)**

Three antenna orientations (parallel, perpendicular, and ground-parallel) was measured, the worst orientations was below:

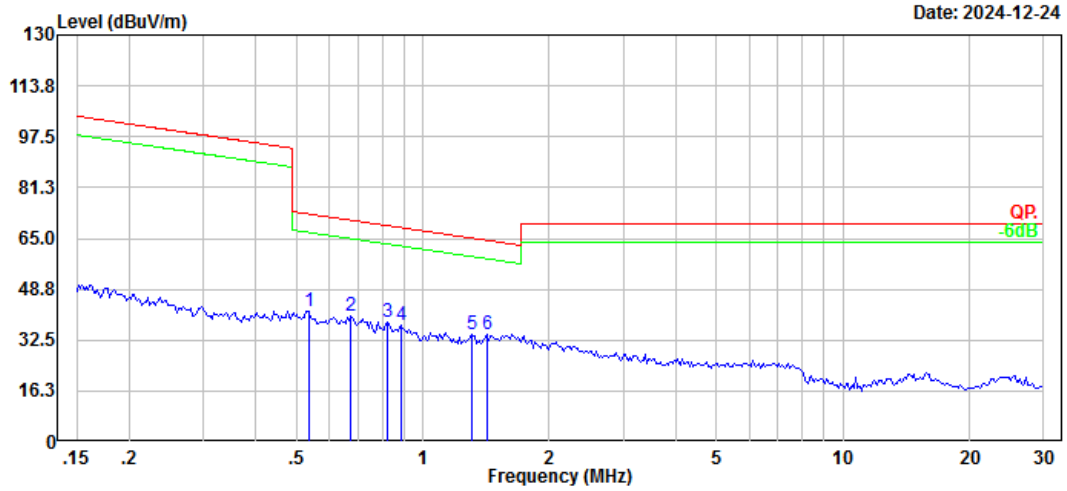
```
Project No.: 2402A108190E-RF                Serial No.: 2VFQ-9
Polarization: Parallel                          Tester: Leesin Xiang
   Test Mode: Transmitting
        Note: Gimbal camera 1#:6K
              RBW:300Hz VBW:1kHz
```




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 0.035 | 24.20 | 46.62 | 70.82 | 116.67 | 45.85 | Peak |
| 2 | 0.056 | 4.66 | 42.96 | 47.62 | 112.58 | 64.96 | Peak |
| 3 | 0.071 | 9.65 | 40.46 | 50.11 | 110.61 | 60.50 | Peak |
| 4 | 0.082 | 4.10 | 38.56 | 42.66 | 109.32 | 66.66 | Peak |
| 5 | 0.128 | 4.27 | 33.84 | 38.11 | 105.44 | 67.33 | Peak |
| 6 | 0.142 | 4.41 | 33.10 | 37.51 | 104.57 | 67.06 | Peak |

Project No.: 2402A108190E-RF
Polarization: Parallel
Test Mode: Transmitting
Note: Gimbal camera 1#:6K
RBW:10kHz VBW:30kHz

Serial No.: 2VFQ-9
Tester: Leesin Xiang

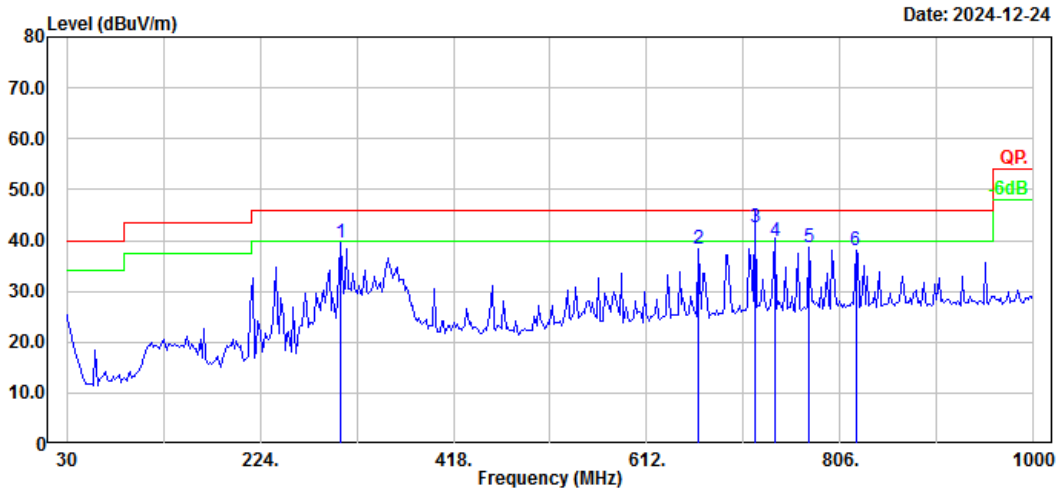



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 0.535 | 18.56 | 23.16 | 41.72 | 73.02 | 31.30 | Peak |
| 2 | 0.675 | 18.62 | 21.71 | 40.33 | 70.95 | 30.62 | Peak |
| 3 | 0.826 | 18.34 | 20.04 | 38.38 | 69.17 | 30.79 | Peak |
| 4 | 0.890 | 18.47 | 18.77 | 37.24 | 68.51 | 31.27 | Peak |
| 5 | 1.303 | 19.19 | 15.22 | 34.41 | 65.13 | 30.72 | Peak |
| 6 | 1.418 | 19.65 | 14.71 | 34.36 | 64.37 | 30.01 | Peak |

**30MHz-1GHz(802.11a 5200MHz was tested)**

Project No.: 2402A108190E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: Gimbal camera 1#:6K
RBW:100kHz VBW:300kHz

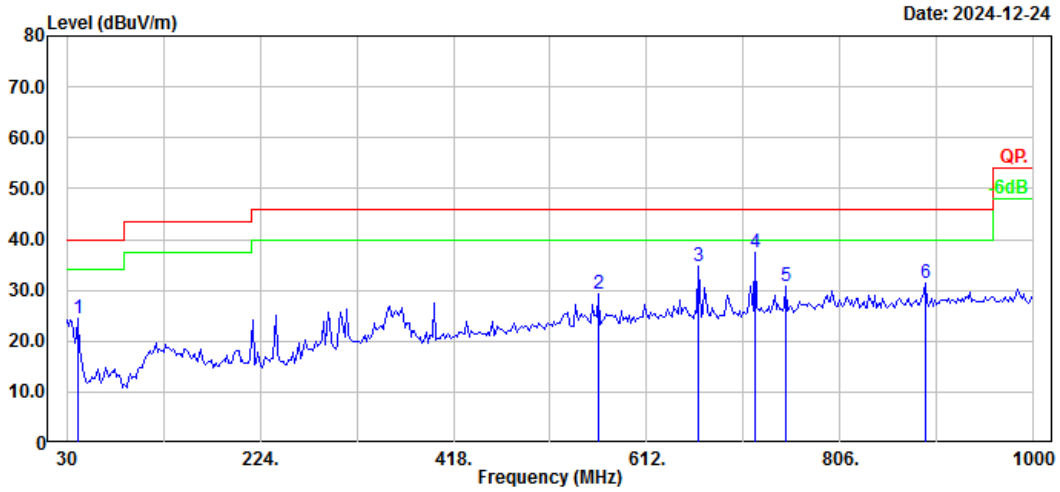
Serial No.: 2VFQ-9
Tester: Leesin Xiang




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 305.48 | 49.00 | -9.39 | 39.61 | 46.00 | 6.39 | Peak |
| 2 | 664.38 | 40.05 | -1.70 | 38.35 | 46.00 | 7.65 | Peak |
| 3 | 720.64 | 43.50 | -0.89 | 42.61 | 46.00 | 3.39 | QP |
| 4 | 740.04 | 40.30 | -0.51 | 39.79 | 46.00 | 6.21 | QP |
| 5 | 774.96 | 38.67 | 0.07 | 38.74 | 46.00 | 7.26 | Peak |
| 6 | 821.52 | 37.43 | 0.64 | 38.07 | 46.00 | 7.93 | Peak |

Project No.: 2402A108190E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: Gimbal camera 1#:6K
RBW:100kHz VBW:300kHz

Serial No.: 2VFQ-9
Tester: Leesin Xiang




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 41.64 | 36.40 | -11.82 | 24.58 | 40.00 | 15.42 | Peak |
| 2 | 563.50 | 32.64 | -3.29 | 29.35 | 46.00 | 16.65 | Peak |
| 3 | 664.38 | 36.29 | -1.70 | 34.59 | 46.00 | 11.41 | Peak |
| 4 | 720.64 | 38.41 | -0.89 | 37.52 | 46.00 | 8.48 | Peak |
| 5 | 751.68 | 31.15 | -0.28 | 30.87 | 46.00 | 15.13 | Peak |
| 6 | 891.36 | 29.95 | 1.32 | 31.27 | 46.00 | 14.73 | Peak |

**2) 1-40GHz:**

| | | | |
|---|---|---|---|
| Serial Number: | 2VFQ-7 | Test Date: | 2025/1/7 |
| Test Site: | Chamber B | Test Mode: | Transmitting |
| Tester: | Nat Zhou, Colin Yang | Test Result: | Pass |

| **Environmental Conditions:** | | | | | |
|---|---|---|---|---|---|
| Temperature: (℃) | 21.8 | Relative Humidity: (%) | 35 | ATM Pressure: (kPa) | 101.3 |

**Test Equipment List and Details:**

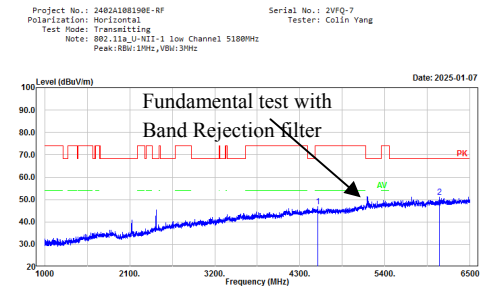
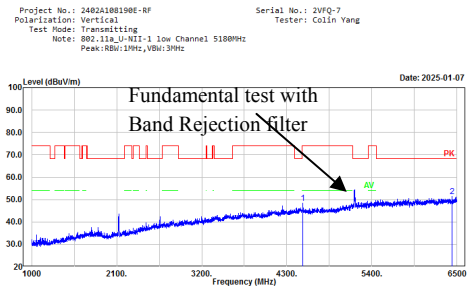
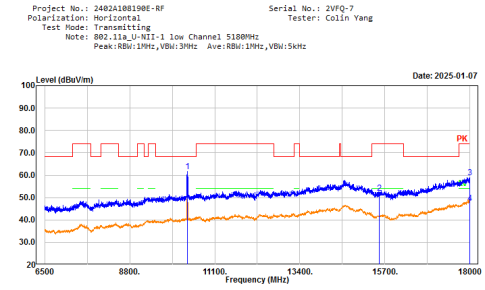
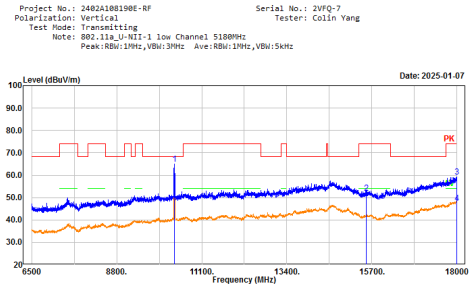
| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| ETS-Lindgren | Horn Antenna | 3115 | 000 527 35 | 2023/9/7 | 2026/9/6 |
| Ducommun Technologies | Horn Antenna | ARH-4223-02 | 1007726-02 1304 | 2023/2/22 | 2026/2/21 |
| Ducommun Technologies | Horn Antenna | ARH-2823-02 | 1007726-01 1302 | 2023/2/22 | 2026/2/21 |
| Xinhang Macrowave | Coaxial Cable | XH750A-N/J-SMA/J-10M | 20231117004 #0001 | 2024/11/17 | 2025/11/16 |
| Xinhang Macrowave | Coaxial Cable | XH360A-2.92/J-2.92/J-6M-A | 20231208001 #0001 | 2024/12/9 | 2025/12/8 |
| AH | Preamplifier | PAM-0118P | 469 | 2024/4/15 | 2025/4/14 |
| AH | Preamplifier | PAM-1840VH | 191 | 2024/9/5 | 2025/9/4 |
| R&S | Spectrum Analyzer | FSV40 | 101944 | 2024/9/6 | 2025/9/5 |
| Audix | Test Software | E3 | 191218 V9 | N/A | N/A |
| Decentest | Multiplex Switch Test Control Set & Filter Switch Unit | DT7220SCU & DT7220FCU | DC79902 & DC79905 | 2024/8/27 | 2025/8/26 |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

**Test Data:**

Please refer to the below table and plots.
After pre-scan in the X, Y and Z axes of orientation, the worst case is refer to table and plots.

**1-18GHz:**
**5150-5250MHz**

| 802.11a mode, Low Channel, Horizontal | 802.11a mode, Low Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 4527.70 | 50.95 | -4.20 | 46.75 | 74.00 | 27.25 | Peak |
| 2 | 6100.70 | 51.82 | -0.59 | 51.23 | 68.20 | 16.97 | Peak |



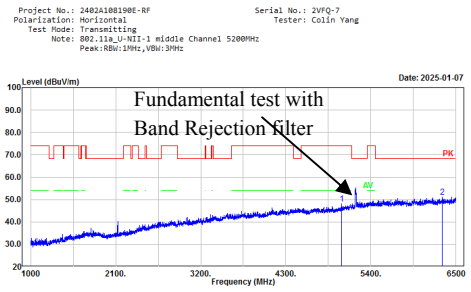
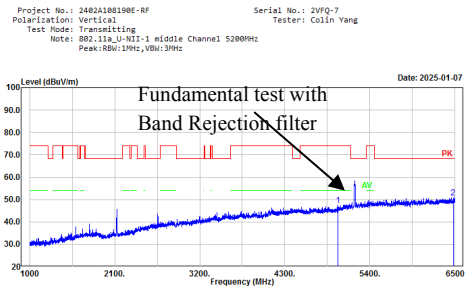
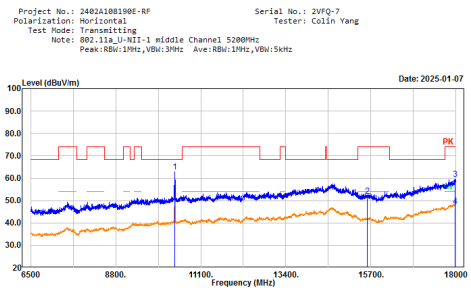
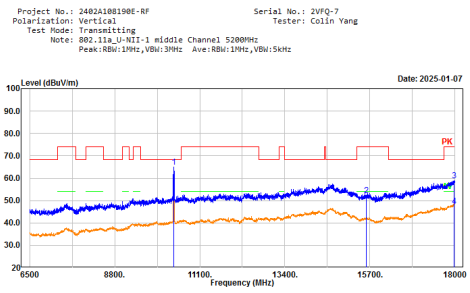
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 4503.50 | 52.58 | -4.18 | 48.40 | 74.00 | 25.60 | Peak |
| 2 | 6434.00 | 51.51 | -0.15 | 51.36 | 68.20 | 16.84 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10360.00 | 58.90 | 2.79 | 61.69 | 68.20 | 6.51 | Peak |
| 2 | 15540.00 | 48.36 | 3.56 | 51.92 | 74.00 | 22.08 | Peak |
| 3 | 17990.80 | 47.62 | 11.45 | 59.07 | 74.00 | 14.93 | Peak |
| 4 | 17990.80 | 36.12 | 11.45 | 47.57 | 54.00 | 6.43 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10360.00 | 62.07 | 2.79 | 64.86 | 68.20 | 3.34 | Peak |
| 2 | 15540.00 | 48.40 | 3.56 | 51.96 | 74.00 | 22.04 | Peak |
| 3 | 17990.80 | 47.66 | 11.45 | 59.11 | 74.00 | 14.89 | Peak |
| 4 | 17990.80 | 36.12 | 11.45 | 47.57 | 54.00 | 6.43 | Average |

| 802.11a mode, Middle Channel, Horizontal | 802.11a mode, Middle Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5023.80 | 51.06 | -2.86 | 48.20 | 74.00 | 25.80 | Peak |
| 2 | 6324.00 | 51.44 | -0.31 | 51.13 | 68.20 | 17.07 | Peak |



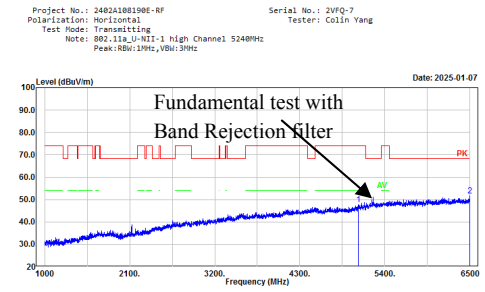
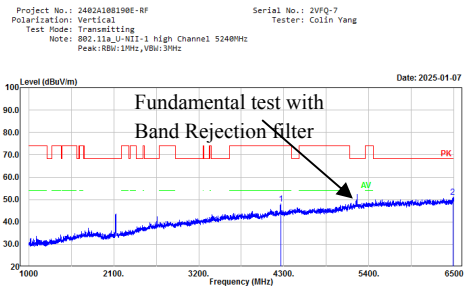
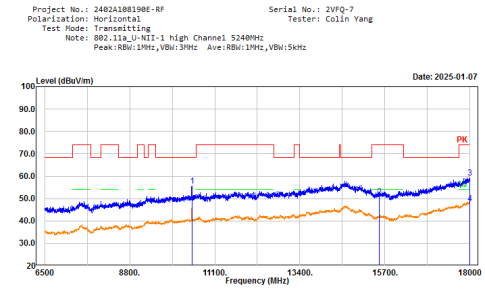
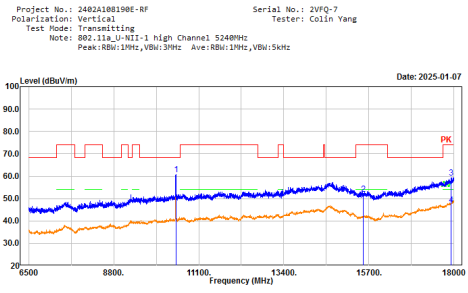
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 4986.40 | 50.74 | -3.27 | 47.47 | 74.00 | 26.53 | Peak |
| 2 | 6474.70 | 50.87 | -0.17 | 50.70 | 68.20 | 17.50 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10400.00 | 60.16 | 2.82 | 62.98 | 68.20 | 5.22 | Peak |
| 2 | 15600.00 | 48.36 | 3.56 | 51.92 | 74.00 | 22.08 | Peak |
| 3 | 17972.40 | 48.10 | 11.31 | 59.41 | 74.00 | 14.59 | Peak |
| 4 | 17972.40 | 36.14 | 11.31 | 47.45 | 54.00 | 6.55 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10400.00 | 62.11 | 2.82 | 64.93 | 68.20 | 3.27 | Peak |
| 2 | 15600.00 | 48.88 | 3.56 | 52.44 | 74.00 | 21.56 | Peak |
| 3 | 17981.60 | 47.42 | 11.39 | 58.81 | 74.00 | 15.19 | Peak |
| 4 | 17981.60 | 36.18 | 11.39 | 47.57 | 54.00 | 6.43 | Average |

| 802.11a mode, High Channel, Horizontal | 802.11a mode, High Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5057.90 | 50.36 | -2.52 | 47.84 | 74.00 | 26.16 | Peak |
| 2 | 6493.40 | 51.78 | -0.09 | 51.69 | 68.20 | 16.51 | Peak |



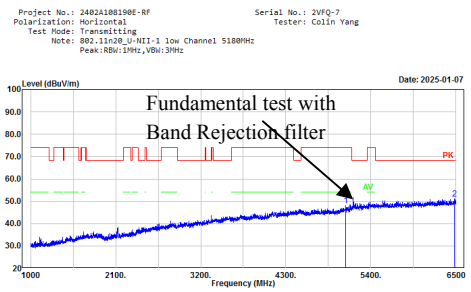
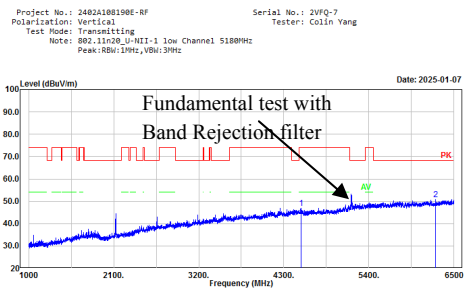
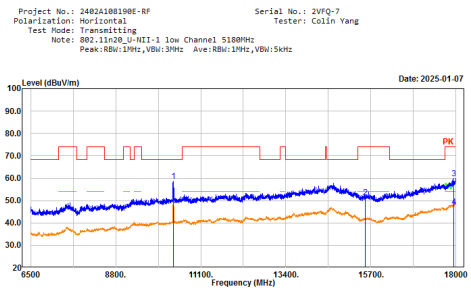
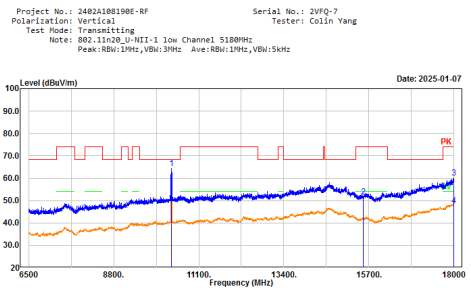
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 4263.70 | 52.92 | -4.89 | 48.03 | 74.00 | 25.97 | Peak |
| 2 | 6483.50 | 51.34 | -0.12 | 51.22 | 68.20 | 16.98 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10480.00 | 52.71 | 2.93 | 55.64 | 68.20 | 12.56 | Peak |
| 2 | 15540.00 | 47.33 | 3.56 | 50.89 | 74.00 | 23.11 | Peak |
| 3 | 17988.50 | 47.69 | 11.43 | 59.12 | 74.00 | 14.88 | Peak |
| 4 | 17988.50 | 36.31 | 11.43 | 47.74 | 54.00 | 6.26 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10480.00 | 57.76 | 2.93 | 60.69 | 68.20 | 7.51 | Peak |
| 2 | 15540.00 | 48.59 | 3.56 | 52.15 | 74.00 | 21.85 | Peak |
| 3 | 17928.70 | 48.29 | 11.00 | 59.29 | 74.00 | 14.71 | Peak |
| 4 | 17928.70 | 36.22 | 11.00 | 47.22 | 54.00 | 6.78 | Average |

| 802.11n ht20 mode, Low Channel, Horizontal | 802.11n ht20 mode, Low Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5072.20 | 50.08 | -2.16 | 47.92 | 74.00 | 26.08 | Peak |
| 2 | 6482.40 | 51.26 | -0.12 | 51.14 | 68.20 | 17.06 | Peak |



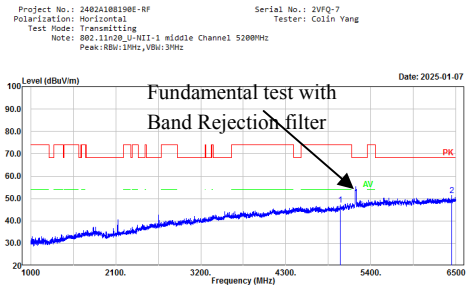
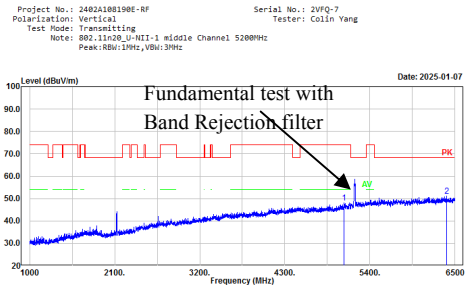
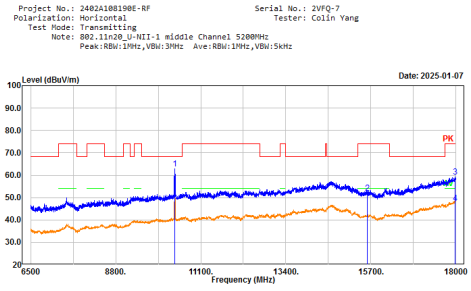
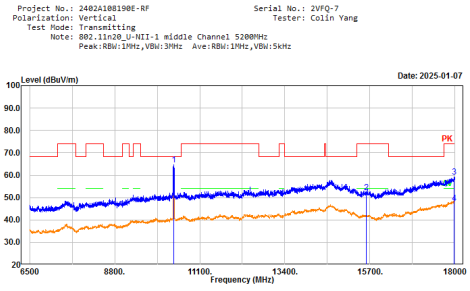
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 4522.20 | 51.19 | -4.19 | 47.00 | 74.00 | 27.00 | Peak |
| 2 | 6262.40 | 51.32 | -0.44 | 50.88 | 68.20 | 17.32 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10360.00 | 55.86 | 2.79 | 58.65 | 68.20 | 9.55 | Peak |
| 2 | 15540.00 | 47.72 | 3.56 | 51.28 | 74.00 | 22.72 | Peak |
| 3 | 17940.20 | 48.90 | 11.08 | 59.98 | 74.00 | 14.02 | Peak |
| 4 | 17940.20 | 36.11 | 11.08 | 47.19 | 54.00 | 6.81 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10360.00 | 61.53 | 2.79 | 64.32 | 68.20 | 3.88 | Peak |
| 2 | 15540.00 | 48.19 | 3.56 | 51.75 | 74.00 | 22.25 | Peak |
| 3 | 17986.20 | 48.70 | 11.41 | 60.11 | 74.00 | 13.89 | Peak |
| 4 | 17986.20 | 36.33 | 11.41 | 47.74 | 54.00 | 6.26 | Average |

| 802.11n ht20 mode, Middle Channel, Horizontal | 802.11n ht20 mode, Middle Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5006.20 | 50.16 | -2.94 | 47.22 | 74.00 | 26.78 | Peak |
| 2 | 6446.10 | 51.42 | -0.15 | 51.27 | 68.20 | 16.93 | Peak |



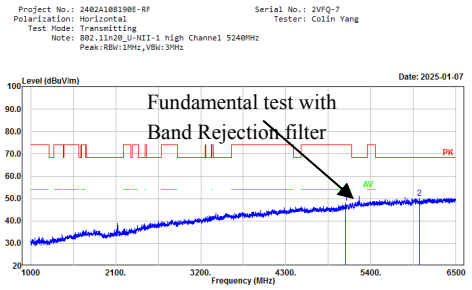
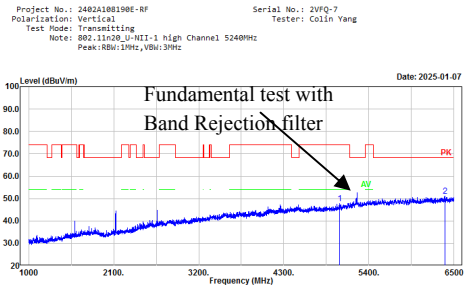
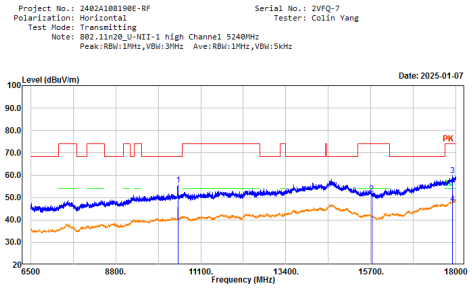
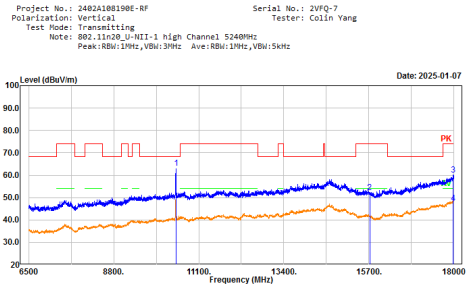
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5064.50 | 50.38 | -2.30 | 48.08 | 74.00 | 25.92 | Peak |
| 2 | 6387.80 | 51.34 | -0.27 | 51.07 | 68.20 | 17.13 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10400.00 | 60.02 | 2.82 | 62.84 | 68.20 | 5.36 | Peak |
| 2 | 15600.00 | 48.50 | 3.56 | 52.06 | 74.00 | 21.94 | Peak |
| 3 | 17979.30 | 47.96 | 11.37 | 59.33 | 74.00 | 14.67 | Peak |
| 4 | 17979.30 | 36.23 | 11.37 | 47.60 | 54.00 | 6.40 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10400.00 | 61.82 | 2.82 | 64.64 | 68.20 | 3.56 | Peak |
| 2 | 15600.00 | 48.88 | 3.56 | 52.44 | 74.00 | 21.56 | Peak |
| 3 | 17972.40 | 48.01 | 11.31 | 59.32 | 74.00 | 14.68 | Peak |
| 4 | 17972.40 | 36.02 | 11.31 | 47.33 | 54.00 | 6.67 | Average |

| 802.11n ht20 mode, High Channel, Horizontal | 802.11n ht20 mode, High Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5072.20 | 50.18 | -2.16 | 48.02 | 74.00 | 25.98 | Peak |
| 2 | 6029.20 | 50.64 | -0.33 | 50.31 | 68.20 | 17.89 | Peak |



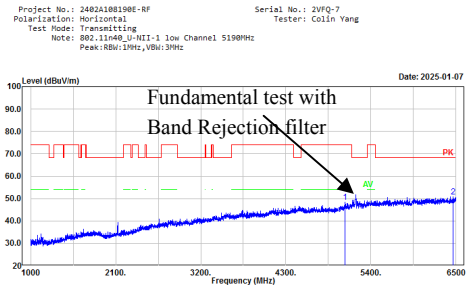
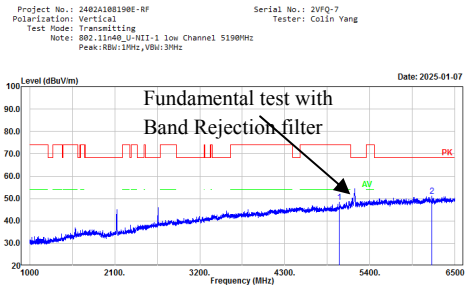
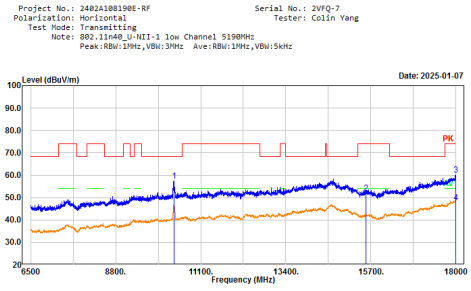
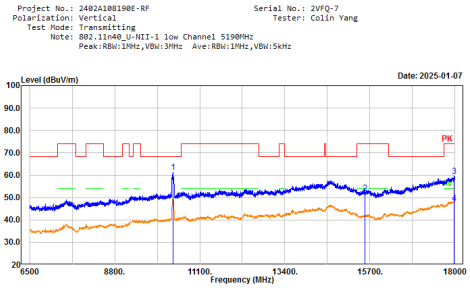
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5017.20 | 50.45 | -2.79 | 47.66 | 74.00 | 26.34 | Peak |
| 2 | 6379.00 | 51.44 | -0.26 | 51.18 | 68.20 | 17.02 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10480.00 | 52.62 | 2.93 | 55.55 | 68.20 | 12.65 | Peak |
| 2 | 15720.00 | 48.15 | 3.43 | 51.58 | 74.00 | 22.42 | Peak |
| 3 | 17903.40 | 49.08 | 10.81 | 59.89 | 74.00 | 14.11 | Peak |
| 4 | 17903.40 | 36.48 | 10.81 | 47.29 | 54.00 | 6.71 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10480.00 | 60.20 | 2.93 | 63.13 | 68.20 | 5.07 | Peak |
| 2 | 15720.00 | 48.93 | 3.43 | 52.36 | 74.00 | 21.64 | Peak |
| 3 | 17981.60 | 48.82 | 11.39 | 60.21 | 74.00 | 13.79 | Peak |
| 4 | 17981.60 | 36.07 | 11.39 | 47.46 | 54.00 | 6.54 | Average |

| 802.11n ht40 mode, Low Channel, Horizontal | 802.11n ht40 mode, Low Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5063.40 | 50.58 | -2.33 | 48.25 | 74.00 | 25.75 | Peak |
| 2 | 6459.30 | 50.93 | -0.18 | 50.75 | 68.20 | 17.45 | Peak |



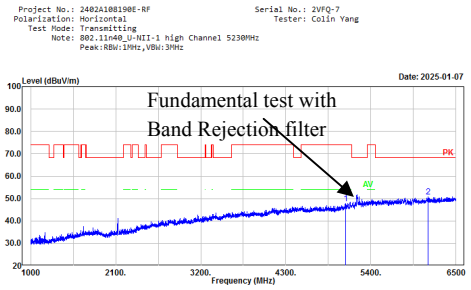
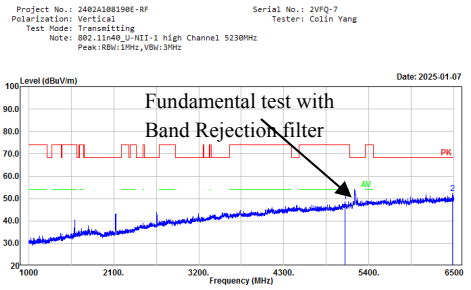
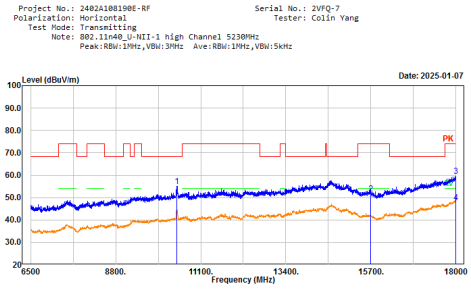
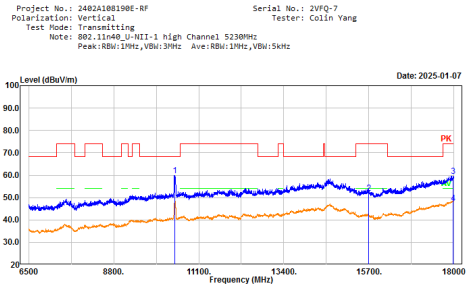
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5000.70 | 51.51 | -3.04 | 48.47 | 74.00 | 25.53 | Peak |
| 2 | 6199.70 | 51.46 | -0.48 | 50.98 | 68.20 | 17.22 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10380.00 | 54.53 | 2.78 | 57.31 | 68.20 | 10.89 | Peak |
| 2 | 15570.00 | 48.46 | 3.62 | 52.08 | 74.00 | 21.92 | Peak |
| 3 | 17988.50 | 48.70 | 11.43 | 60.13 | 74.00 | 13.87 | Peak |
| 4 | 17988.50 | 36.23 | 11.43 | 47.66 | 54.00 | 6.34 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10380.00 | 58.50 | 2.78 | 61.28 | 68.20 | 6.92 | Peak |
| 2 | 15570.00 | 48.52 | 3.62 | 52.14 | 74.00 | 21.86 | Peak |
| 3 | 17974.70 | 48.27 | 11.32 | 59.59 | 74.00 | 14.41 | Peak |
| 4 | 17974.70 | 36.15 | 11.32 | 47.47 | 54.00 | 6.53 | Average |

| 802.11n ht40 mode, High Channel, Horizontal | 802.11n ht40 mode, High Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5073.30 | 49.95 | -2.16 | 47.79 | 74.00 | 26.21 | Peak |
| 2 | 6135.90 | 51.28 | -0.58 | 50.70 | 68.20 | 17.50 | Peak |



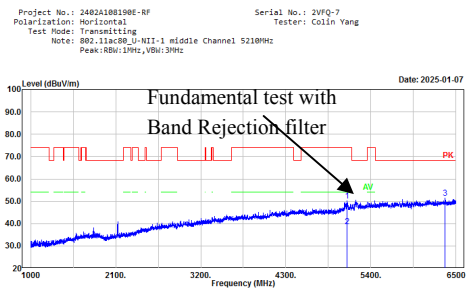
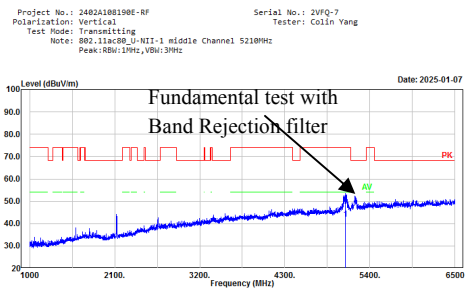
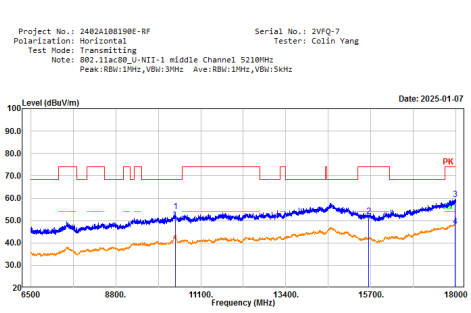
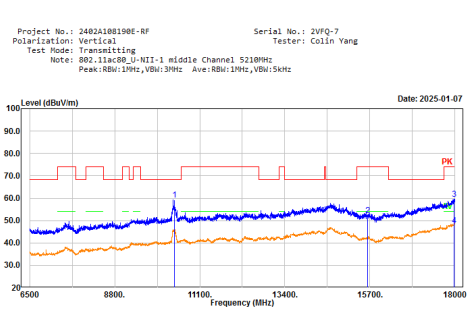
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5094.20 | 50.92 | -2.11 | 48.81 | 74.00 | 25.19 | Peak |
| 2 | 6482.40 | 52.40 | -0.12 | 52.28 | 68.20 | 15.92 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10460.00 | 52.11 | 2.92 | 55.03 | 68.20 | 13.17 | Peak |
| 2 | 15690.00 | 48.35 | 3.45 | 51.80 | 74.00 | 22.20 | Peak |
| 3 | 17988.50 | 48.12 | 11.43 | 59.55 | 74.00 | 14.45 | Peak |
| 4 | 17988.50 | 36.22 | 11.43 | 47.65 | 54.00 | 6.35 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10460.00 | 56.96 | 2.92 | 59.88 | 68.20 | 8.32 | Peak |
| 2 | 15690.00 | 48.65 | 3.45 | 52.10 | 74.00 | 21.90 | Peak |
| 3 | 17977.00 | 48.29 | 11.35 | 59.64 | 74.00 | 14.36 | Peak |
| 4 | 17977.00 | 36.07 | 11.35 | 47.42 | 54.00 | 6.58 | Average |

| 802.11ac80 mode, Middle Channel, Horizontal | 802.11ac80 mode, Middle Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5093.10 | 52.23 | -2.12 | 50.11 | 74.00 | 23.89 | Peak |
| 2 | 5093.10 | 40.88 | -2.12 | 38.76 | 54.00 | 15.24 | Average |
| 3 | 6357.00 | 51.49 | -0.19 | 51.30 | 68.20 | 16.90 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5082.10 | 44.27 | -2.14 | 42.13 | 74.00 | 31.87 | Peak |
| 2 | 5082.10 | 55.66 | -2.14 | 53.52 | 74.00 | 20.48 | Peak |

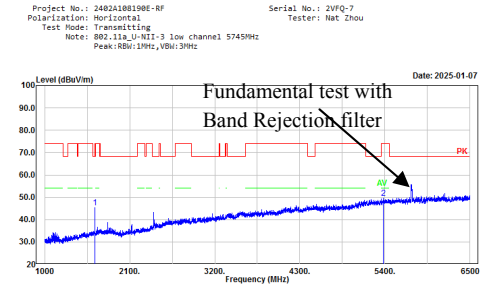
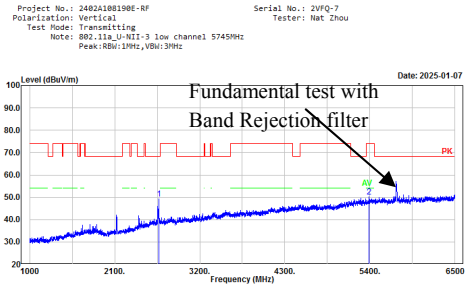
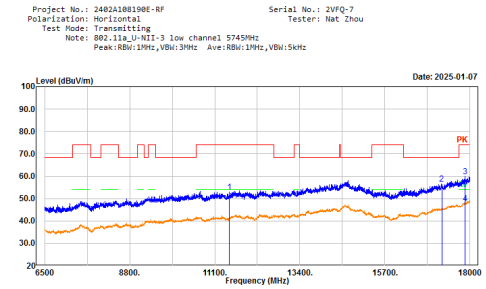
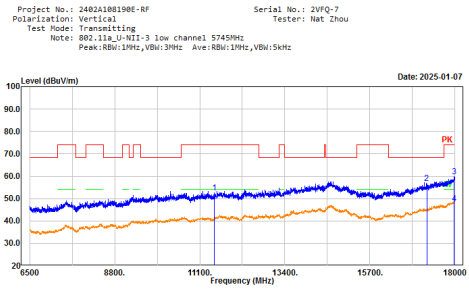


| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10420.00 | 51.28 | 2.85 | 54.13 | 68.20 | 14.07 | Peak |
| 2 | 15630.00 | 48.50 | 3.50 | 52.00 | 74.00 | 22.00 | Peak |
| 3 | 17979.30 | 48.05 | 11.37 | 59.42 | 74.00 | 14.58 | Peak |
| 4 | 17979.30 | 36.01 | 11.37 | 47.38 | 54.00 | 6.62 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 10420.00 | 56.37 | 2.85 | 59.22 | 68.20 | 8.98 | Peak |
| 2 | 15630.00 | 48.90 | 3.50 | 52.40 | 74.00 | 21.60 | Peak |
| 3 | 17970.10 | 48.33 | 11.29 | 59.62 | 74.00 | 14.38 | Peak |
| 4 | 17970.10 | 36.36 | 11.29 | 47.65 | 54.00 | 6.35 | Average |

**5725-5850MHz:**

| 802.11a mode, Low Channel, Horizontal | 802.11a mode, Low Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 1650.10 | 58.51 | -13.29 | 45.22 | 68.20 | 22.98 | Peak |
| 2 | 5376.90 | 50.99 | -1.40 | 49.59 | 74.00 | 24.41 | Peak |



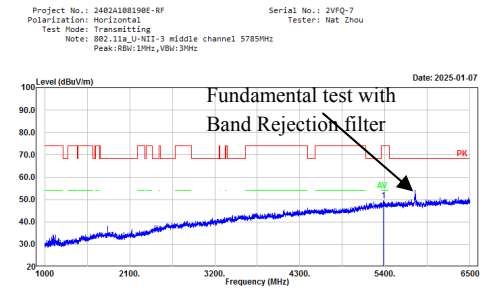
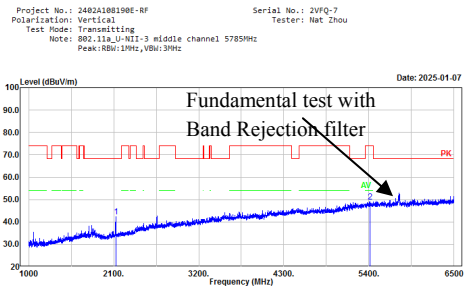
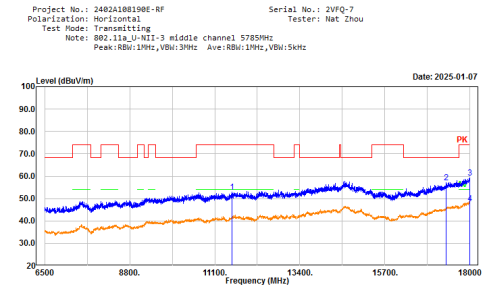
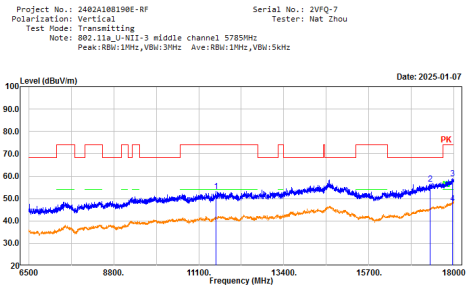
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2672.00 | 58.15 | -8.97 | 49.18 | 68.20 | 19.02 | Peak |
| 2 | 5389.00 | 51.44 | -1.37 | 50.07 | 74.00 | 23.93 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11490.00 | 48.75 | 4.09 | 52.84 | 74.00 | 21.16 | Peak |
| 2 | 17235.00 | 48.99 | 7.41 | 56.40 | 68.20 | 11.80 | Peak |
| 3 | 17871.20 | 49.29 | 10.50 | 59.79 | 74.00 | 14.21 | Peak |
| 4 | 17871.20 | 37.42 | 10.50 | 47.92 | 54.00 | 6.08 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11490.00 | 48.39 | 4.09 | 52.48 | 74.00 | 21.52 | Peak |
| 2 | 17235.00 | 49.35 | 7.41 | 56.76 | 68.20 | 11.44 | Peak |
| 3 | 17970.10 | 48.56 | 11.29 | 59.85 | 74.00 | 14.15 | Peak |
| 4 | 17970.10 | 36.60 | 11.29 | 47.89 | 54.00 | 6.11 | Average |

| 802.11a mode, Middle Channel, Horizontal | 802.11a mode, Middle Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5380.20 | 51.04 | -1.39 | 49.65 | 74.00 | 24.35 | Peak |



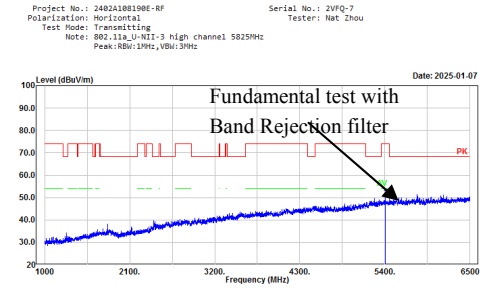
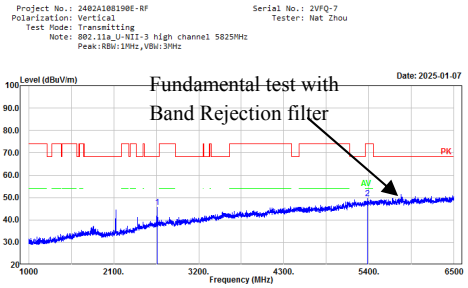
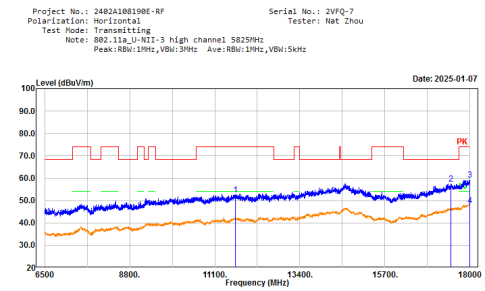
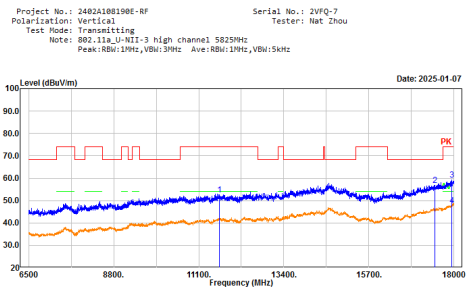
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2128.60 | 54.18 | -11.73 | 42.45 | 68.20 | 25.75 | Peak |
| 2 | 5417.60 | 50.33 | -1.33 | 49.00 | 74.00 | 25.00 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11570.00 | 48.77 | 4.07 | 52.84 | 74.00 | 21.16 | Peak |
| 2 | 17355.00 | 49.75 | 7.37 | 57.12 | 68.20 | 11.08 | Peak |
| 3 | 17986.20 | 47.72 | 11.41 | 59.13 | 74.00 | 14.87 | Peak |
| 4 | 17986.20 | 36.46 | 11.41 | 47.87 | 54.00 | 6.13 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11570.00 | 49.04 | 4.07 | 53.11 | 74.00 | 20.89 | Peak |
| 2 | 17355.00 | 49.16 | 7.37 | 56.53 | 68.20 | 11.67 | Peak |
| 3 | 17954.00 | 47.73 | 11.18 | 58.91 | 74.00 | 15.09 | Peak |
| 4 | 17954.00 | 36.72 | 11.18 | 47.90 | 54.00 | 6.10 | Average |

| 802.11a mode, High Channel, Horizontal | 802.11a mode, High Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5401.10 | 51.65 | -1.34 | 50.31 | 74.00 | 23.69 | Peak |



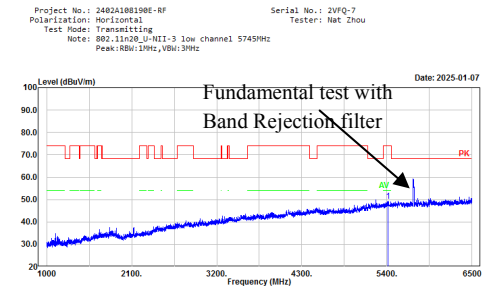
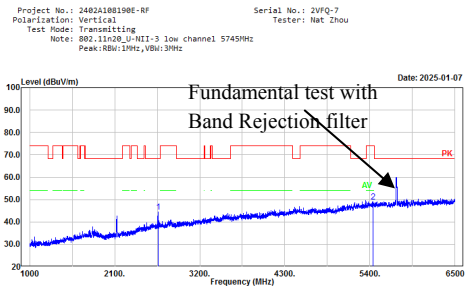
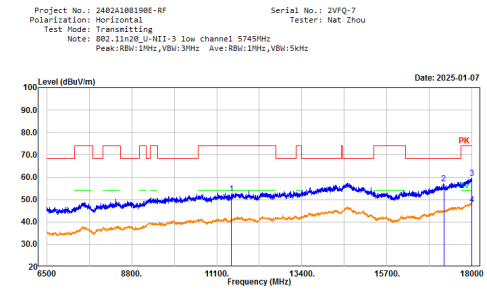
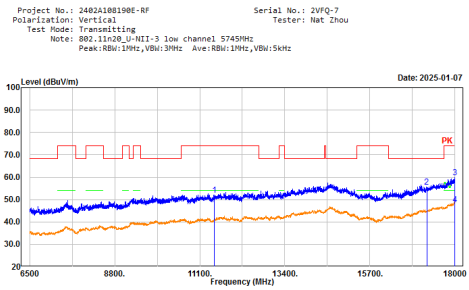
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2666.50 | 54.70 | -8.99 | 45.71 | 68.20 | 22.49 | Peak |
| 2 | 5382.40 | 50.82 | -1.38 | 49.44 | 74.00 | 24.56 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11650.00 | 48.38 | 4.13 | 52.51 | 74.00 | 21.49 | Peak |
| 2 | 17475.00 | 49.63 | 7.88 | 57.51 | 68.20 | 10.69 | Peak |
| 3 | 17990.80 | 47.70 | 11.45 | 59.15 | 74.00 | 14.85 | Peak |
| 4 | 17990.80 | 36.31 | 11.45 | 47.76 | 54.00 | 6.24 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11650.00 | 48.34 | 4.13 | 52.47 | 74.00 | 21.53 | Peak |
| 2 | 17475.00 | 48.89 | 7.88 | 56.77 | 68.20 | 11.43 | Peak |
| 3 | 17942.50 | 48.24 | 11.10 | 59.34 | 74.00 | 14.66 | Peak |
| 4 | 17942.50 | 36.72 | 11.10 | 47.82 | 54.00 | 6.18 | Average |

| 802.11n ht20 mode, Low Channel, Horizontal | 802.11n ht20 mode, Low Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5414.30 | 50.55 | -1.33 | 49.22 | 74.00 | 24.78 | Peak |



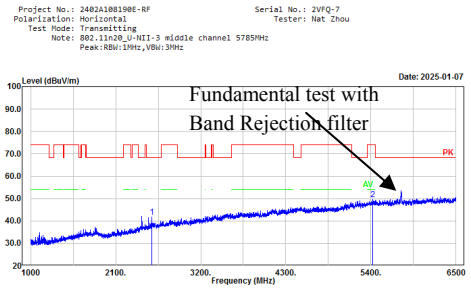
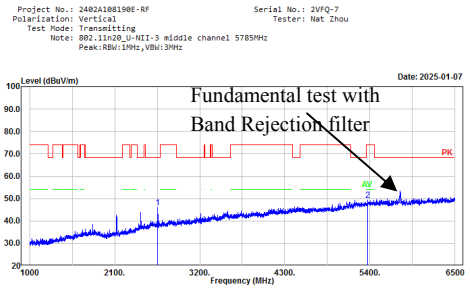
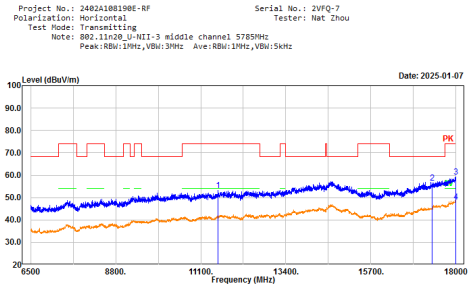
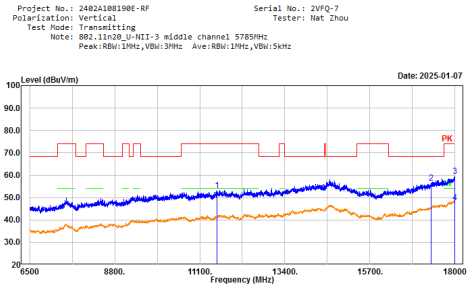
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2665.40 | 53.36 | -8.99 | 44.37 | 68.20 | 23.83 | Peak |
| 2 | 5444.00 | 50.34 | -1.30 | 49.04 | 74.00 | 24.96 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11490.00 | 48.40 | 4.09 | 52.49 | 74.00 | 21.51 | Peak |
| 2 | 17235.00 | 49.75 | 7.41 | 57.16 | 68.20 | 11.04 | Peak |
| 3 | 17988.50 | 48.07 | 11.43 | 59.50 | 74.00 | 14.50 | Peak |
| 4 | 17988.50 | 36.35 | 11.43 | 47.78 | 54.00 | 6.22 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11490.00 | 48.02 | 4.09 | 52.11 | 74.00 | 21.89 | Peak |
| 2 | 17235.00 | 48.34 | 7.41 | 55.75 | 68.20 | 12.45 | Peak |
| 3 | 17995.40 | 48.29 | 11.49 | 59.78 | 74.00 | 14.22 | Peak |
| 4 | 17995.40 | 36.38 | 11.49 | 47.87 | 54.00 | 6.13 | Average |

| 802.11n ht20 mode, Middle Channel, Horizontal | 802.11n ht20 mode, Middle Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2566.40 | 51.30 | -9.45 | 41.85 | 68.20 | 26.35 | Peak |
| 2 | 5423.10 | 50.96 | -1.33 | 49.63 | 74.00 | 24.37 | Peak |



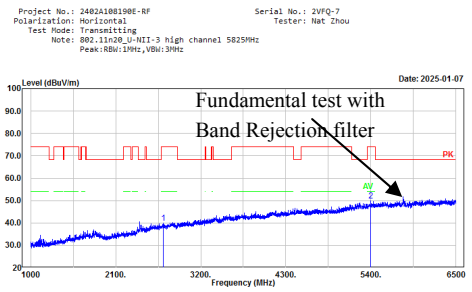
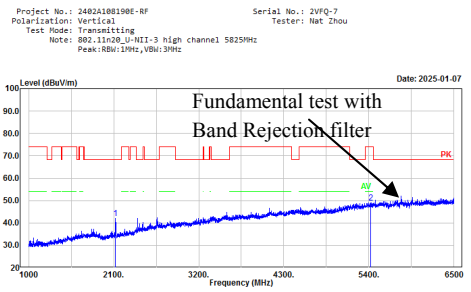
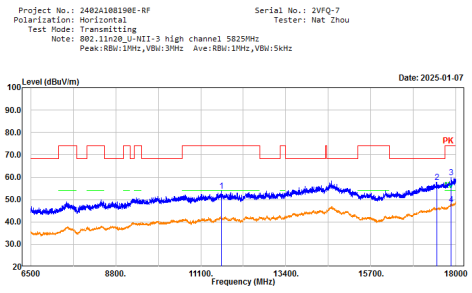
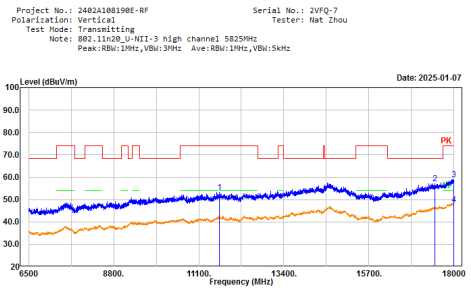
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2656.60 | 55.05 | -9.02 | 46.03 | 68.20 | 22.17 | Peak |
| 2 | 5372.50 | 50.70 | -1.42 | 49.28 | 74.00 | 24.72 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11570.00 | 49.04 | 4.07 | 53.11 | 74.00 | 20.89 | Peak |
| 2 | 17355.00 | 49.04 | 7.37 | 56.41 | 68.20 | 11.79 | Peak |
| 3 | 17986.20 | 47.92 | 11.41 | 59.33 | 74.00 | 14.67 | Peak |
| 4 | 17986.20 | 36.54 | 11.41 | 47.95 | 54.00 | 6.05 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11570.00 | 49.18 | 4.07 | 53.25 | 74.00 | 20.75 | Peak |
| 2 | 17355.00 | 49.21 | 7.37 | 56.58 | 68.20 | 11.62 | Peak |
| 3 | 17986.20 | 48.01 | 11.41 | 59.42 | 74.00 | 14.58 | Peak |
| 4 | 17986.20 | 36.48 | 11.41 | 47.89 | 54.00 | 6.11 | Average |

| 802.11n ht20 mode, High Channel, Horizontal | 802.11n ht20 mode, High Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2712.70 | 48.84 | -8.85 | 39.99 | 74.00 | 34.01 | Peak |
| 2 | 5395.60 | 51.13 | -1.35 | 49.78 | 74.00 | 24.22 | Peak |



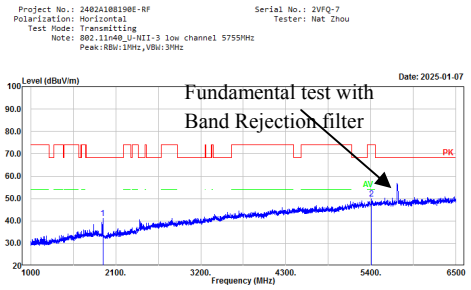
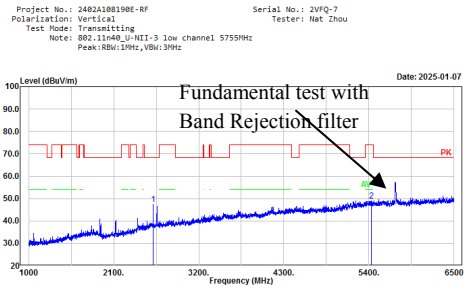
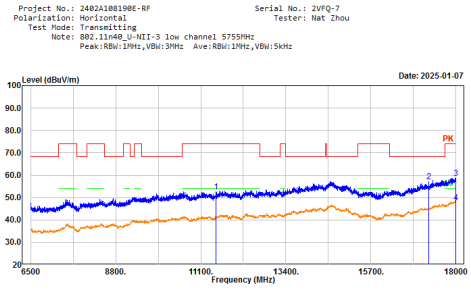
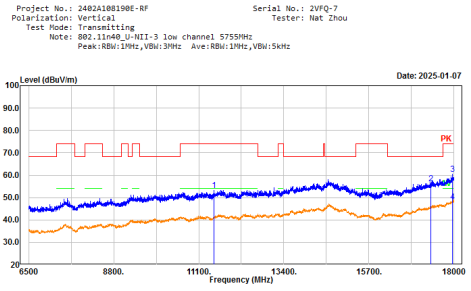
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2125.30 | 53.88 | -11.76 | 42.12 | 68.20 | 26.08 | Peak |
| 2 | 5424.20 | 50.45 | -1.33 | 49.12 | 74.00 | 24.88 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11650.00 | 49.59 | 4.13 | 53.72 | 74.00 | 20.28 | Peak |
| 2 | 17475.00 | 49.86 | 7.88 | 57.74 | 68.20 | 10.46 | Peak |
| 3 | 17859.70 | 49.33 | 10.39 | 59.72 | 74.00 | 14.28 | Peak |
| 4 | 17859.70 | 37.53 | 10.39 | 47.92 | 54.00 | 6.08 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11650.00 | 49.03 | 4.13 | 53.16 | 74.00 | 20.84 | Peak |
| 2 | 17475.00 | 49.36 | 7.88 | 57.24 | 68.20 | 10.96 | Peak |
| 3 | 17995.40 | 47.53 | 11.49 | 59.02 | 74.00 | 14.98 | Peak |
| 4 | 17995.40 | 36.34 | 11.49 | 47.83 | 54.00 | 6.17 | Average |

| 802.11n ht40 mode, Low Channel, Horizontal | 802.11n ht40 mode, Low Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 1933.90 | 53.78 | -12.53 | 41.25 | 68.20 | 26.95 | Peak |
| 2 | 5402.20 | 51.27 | -1.34 | 49.93 | 74.00 | 24.07 | Peak |



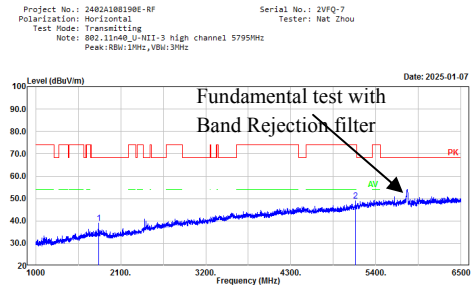
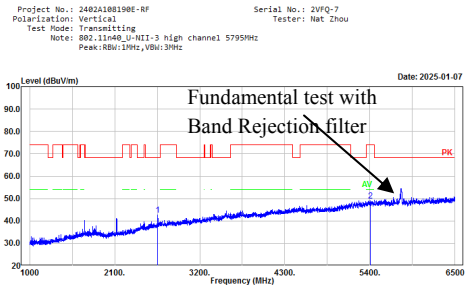
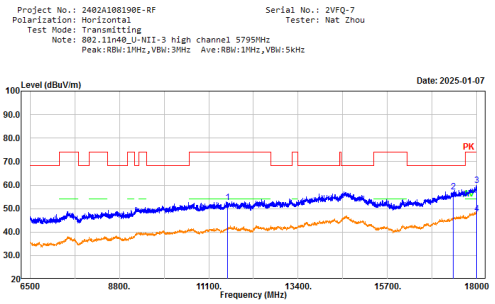
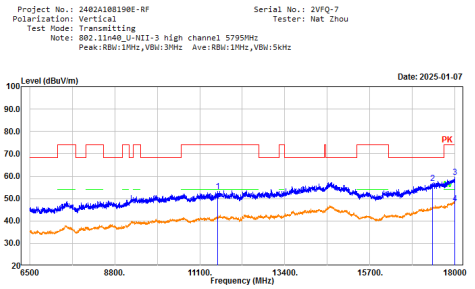
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2612.60 | 56.53 | -9.05 | 47.48 | 68.20 | 20.72 | Peak |
| 2 | 5434.10 | 50.20 | -1.30 | 48.90 | 74.00 | 25.10 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11510.00 | 48.63 | 4.09 | 52.72 | 74.00 | 21.28 | Peak |
| 2 | 17265.00 | 49.65 | 7.38 | 57.03 | 68.20 | 11.17 | Peak |
| 3 | 17993.10 | 47.29 | 11.48 | 58.77 | 74.00 | 15.23 | Peak |
| 4 | 17993.10 | 36.39 | 11.48 | 47.87 | 54.00 | 6.13 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11510.00 | 49.12 | 4.09 | 53.21 | 74.00 | 20.79 | Peak |
| 2 | 17365.00 | 48.74 | 7.41 | 56.15 | 68.20 | 12.05 | Peak |
| 3 | 17956.30 | 49.39 | 11.20 | 60.59 | 74.00 | 13.41 | Peak |
| 4 | 17956.30 | 36.78 | 11.20 | 47.98 | 54.00 | 6.02 | Average |

| 802.11n ht40 mode, High Channel, Horizontal | 802.11n ht40 mode, High Channel, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 1812.90 | 51.90 | -12.92 | 38.98 | 68.20 | 29.22 | Peak |
| 2 | 5136.00 | 50.94 | -1.95 | 48.99 | 74.00 | 25.01 | Peak |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 2656.60 | 51.68 | -9.02 | 42.66 | 68.20 | 25.54 | Peak |
| 2 | 5407.70 | 50.40 | -1.34 | 49.06 | 74.00 | 24.94 | Peak |



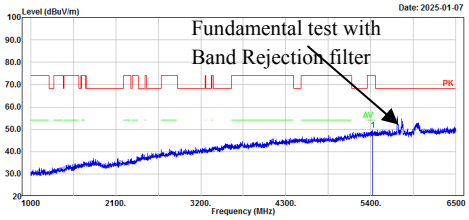
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11590.00 | 48.53 | 4.04 | 52.57 | 74.00 | 21.43 | Peak |
| 2 | 17385.00 | 49.57 | 7.48 | 57.05 | 68.20 | 11.15 | Peak |
| 3 | 17986.20 | 48.33 | 11.41 | 59.74 | 74.00 | 14.26 | Peak |
| 4 | 17986.20 | 36.47 | 11.41 | 47.88 | 54.00 | 6.12 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11590.00 | 49.04 | 4.04 | 53.08 | 74.00 | 20.92 | Peak |
| 2 | 17385.00 | 49.47 | 7.48 | 56.95 | 68.20 | 11.25 | Peak |
| 3 | 17986.20 | 48.26 | 11.41 | 59.67 | 74.00 | 14.33 | Peak |
| 4 | 17986.20 | 36.38 | 11.41 | 47.79 | 54.00 | 6.21 | Average |

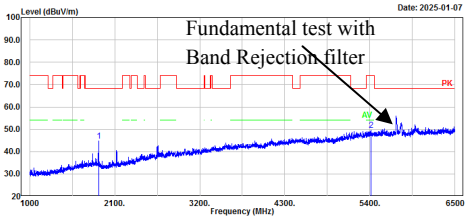
| 802.11ac80 mode, Middle Channel, Horizontal | 802. 11ac80 mode, Middle Channel, Vertical |
|---|---|

Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Horizontal Tester: Nat Zhou
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz



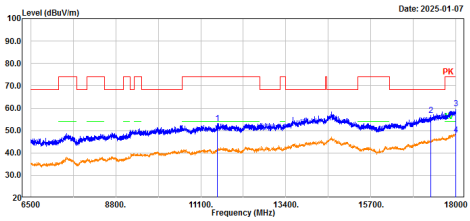

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5425.30 | 50.87 | -1.31 | 49.56 | 74.00 | 24.44 | Peak |

Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Vertical Tester: Nat Zhou
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz



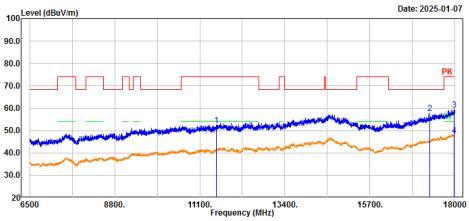

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 1892.10 | 57.41 | -12.58 | 44.83 | 68.20 | 23.37 | Peak |
| 2 | 5412.10 | 50.93 | -1.33 | 49.60 | 74.00 | 24.40 | Peak |

Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Horizontal Tester: Nat Zhou
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11550.00 | 49.20 | 4.08 | 53.28 | 74.00 | 20.72 | Peak |
| 2 | 17325.00 | 49.56 | 7.26 | 56.82 | 68.20 | 11.38 | Peak |
| 3 | 17987.00 | 48.37 | 11.42 | 59.79 | 74.00 | 14.21 | Peak |
| 4 | 17987.00 | 36.51 | 11.42 | 47.93 | 54.00 | 6.07 | Average |

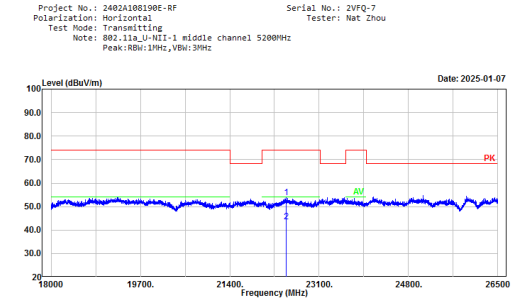
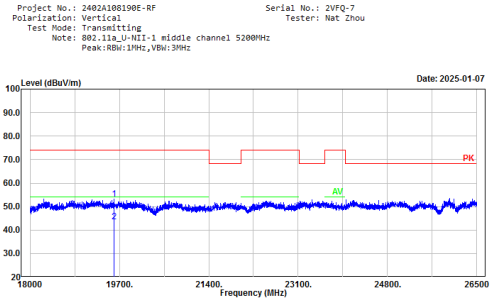
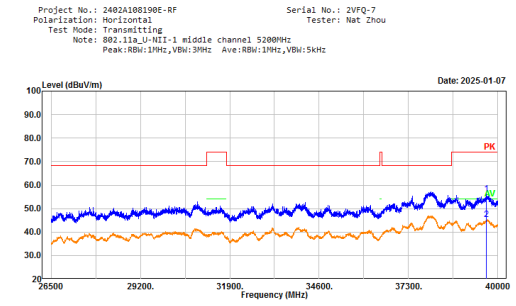
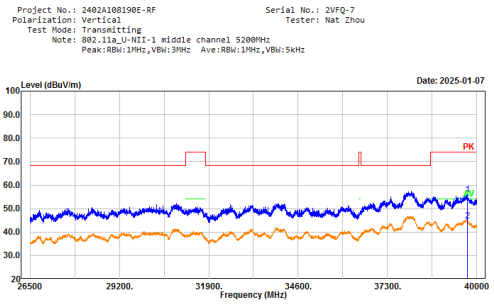
Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Vertical Tester: Nat Zhou
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 11550.00 | 48.36 | 4.08 | 52.44 | 74.00 | 21.56 | Peak |
| 2 | 17325.00 | 50.48 | 7.26 | 57.74 | 68.20 | 10.46 | Peak |
| 3 | 17970.10 | 47.86 | 11.29 | 59.15 | 74.00 | 14.85 | Peak |
| 4 | 17970.10 | 36.46 | 11.29 | 47.75 | 54.00 | 6.25 | Average |

**18-40GHz:**

No Emission was detected in the range 18-40GHz,test was performed on the mode and channel which with the maximum power.

| 802.11a mode, 5200MHz, Horizontal | 802.11a mode, 5200MHz, Vertical |
|---|---|
|  |  |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 22474.40 | 46.07 | 7.86 | 53.93 | 74.00 | 20.07 | Peak |
| 2 | 22474.40 | 35.81 | 7.86 | 43.67 | 54.00 | 10.33 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 19592.90 | 47.47 | 5.77 | 53.24 | 74.00 | 20.76 | Peak |
| 2 | 19592.90 | 37.90 | 5.77 | 43.67 | 54.00 | 10.33 | Average |

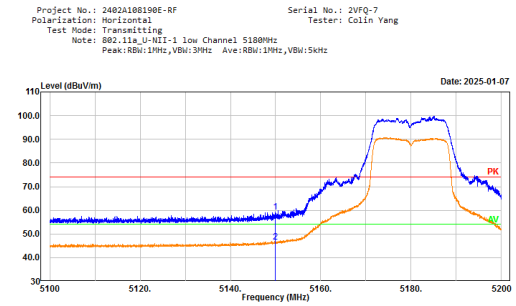
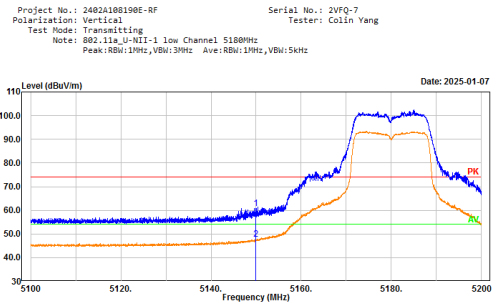
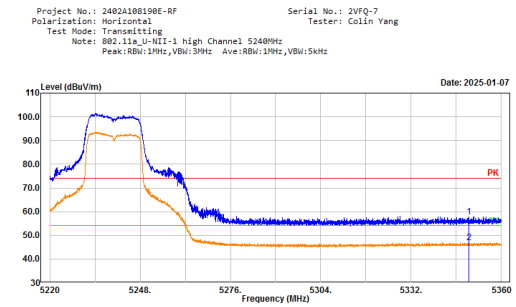
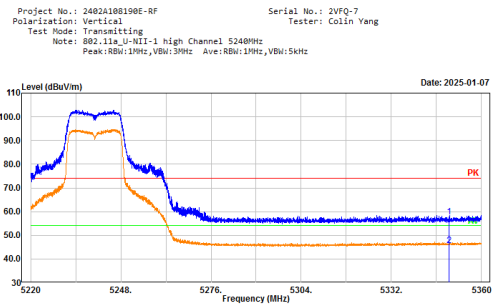


| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 39654.40 | 45.01 | 11.27 | 56.28 | 74.00 | 17.72 | Peak |
| 2 | 39654.40 | 34.11 | 11.27 | 45.38 | 54.00 | 8.62 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 39703.00 | 44.48 | 11.30 | 55.78 | 74.00 | 18.22 | Peak |
| 2 | 39703.00 | 33.57 | 11.30 | 44.87 | 54.00 | 9.13 | Average |

**Bandedge:**
**5150-5250MHz:**

| 802.11a mode, Low Channel, Horizontal | 802.11a mode, Low Channel, Vertical |
|---|---|
|  |  |
| 802.11a mode, High Channel, Horizontal | 802.11a mode, High Channel, Vertical |
|  |  |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5150.00 | 52.69 | 6.53 | 59.22 | 74.00 | 14.78 | Peak |
| 2 | 5150.00 | 40.13 | 6.53 | 46.66 | 54.00 | 7.34 | Average |



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5150.00 | 54.33 | 6.53 | 60.86 | 74.00 | 13.14 | Peak |
| 2 | 5150.00 | 41.23 | 6.53 | 47.76 | 54.00 | 6.24 | Average |

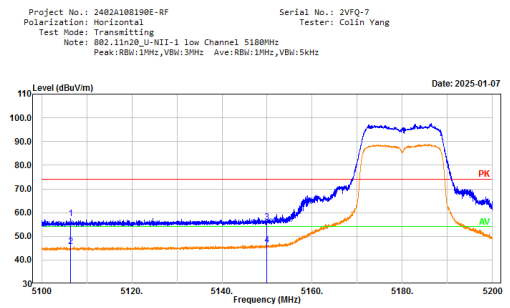


| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5350.00 | 50.66 | 7.10 | 57.76 | 74.00 | 16.24 | Peak |
| 2 | 5350.00 | 39.68 | 7.10 | 46.78 | 54.00 | 7.22 | Average |



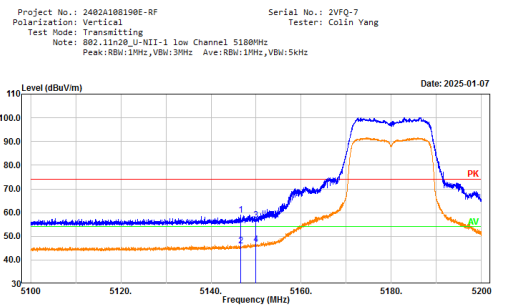
| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5350.00 | 50.75 | 7.10 | 57.85 | 74.00 | 16.15 | Peak |
| 2 | 5350.00 | 38.74 | 7.10 | 45.84 | 54.00 | 8.16 | Average |

## 802.11n20 mode, Low Channel, Horizontal



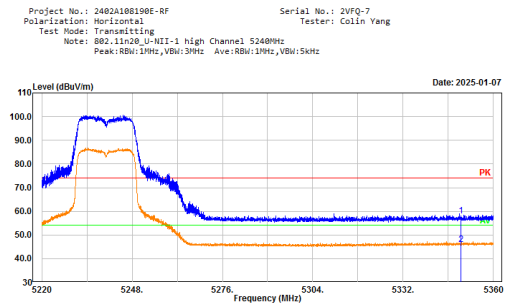

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5106.48 | 51.16 | 6.34 | 57.50 | 74.00 | 16.50 | Peak |
| 2 | 5106.48 | 39.41 | 6.34 | 45.75 | 54.00 | 8.25 | Average |
| 3 | 5150.00 | 49.47 | 6.53 | 56.00 | 74.00 | 18.00 | Peak |
| 4 | 5150.00 | 39.69 | 6.53 | 46.22 | 54.00 | 7.78 | Average |

## 802.11n20 mode, Low Channel, Vertical



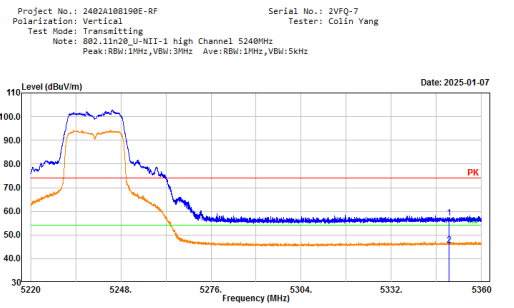

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5146.56 | 52.36 | 6.52 | 58.88 | 74.00 | 15.12 | Peak |
| 2 | 5146.56 | 39.61 | 6.52 | 46.13 | 54.00 | 7.87 | Average |
| 3 | 5150.00 | 50.40 | 6.53 | 56.93 | 74.00 | 17.07 | Peak |
| 4 | 5150.00 | 40.05 | 6.53 | 46.58 | 54.00 | 7.42 | Average |

## 802.11n20 mode, High Channel, Horizontal



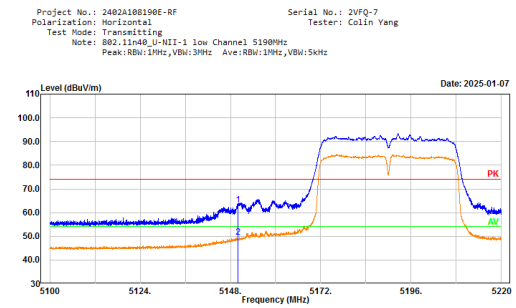

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5350.00 | 51.06 | 7.10 | 58.16 | 74.00 | 15.84 | Peak |
| 2 | 5350.00 | 39.01 | 7.10 | 46.11 | 54.00 | 7.89 | Average |

## 802.11n20 mode, High Channel, Vertical



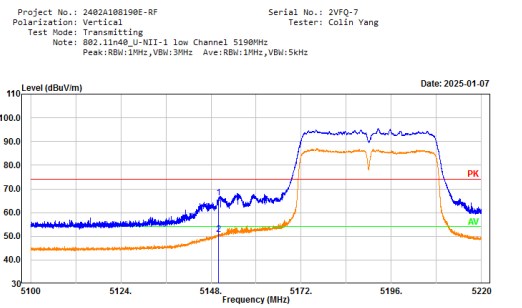

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5350.00 | 50.21 | 7.10 | 57.31 | 74.00 | 16.69 | Peak |
| 2 | 5350.00 | 38.55 | 7.10 | 45.65 | 54.00 | 8.35 | Average |

## 802.11n40 mode, Low Channel, Horizontal



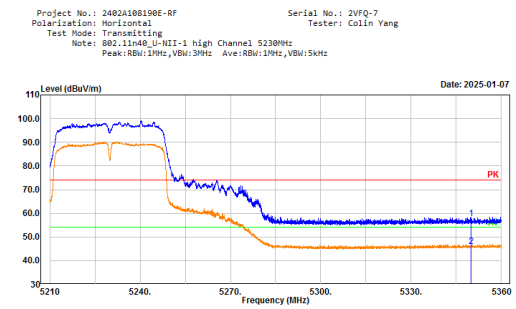

| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5150.00 | 56.66 | 6.53 | 63.19 | 74.00 | 10.81 | Peak |
| 2 | 5150.00 | 43.01 | 6.53 | 49.54 | 54.00 | 4.46 | Average |

## 802.11n40 mode, Low Channel, Vertical



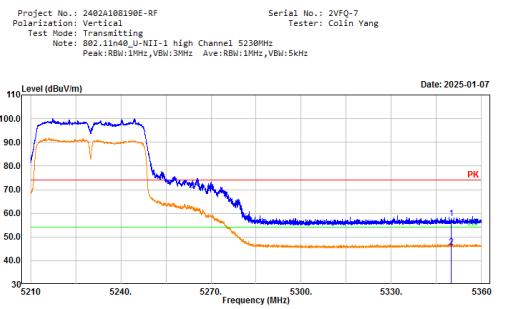

| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5150.00 | 59.58 | 6.53 | 66.11 | 74.00 | 7.89 | Peak |
| 2 | 5150.00 | 44.32 | 6.53 | 50.85 | 54.00 | 3.15 | Average |

## 802.11n40 mode, High Channel, Horizontal




| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5350.00 | 50.72 | 7.10 | 57.82 | 74.00 | 16.18 | Peak |
| 2 | 5350.00 | 38.86 | 7.10 | 45.96 | 54.00 | 8.04 | Average |

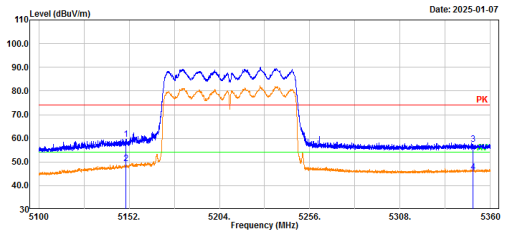
## 802.11n40 mode, High Channel, Vertical




| No. | Frequency (MHz) | Reading (dBμV) | Factor (dB/m) | Result (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5350.01 | 50.66 | 7.11 | 57.77 | 74.00 | 16.23 | Peak |
| 2 | 5350.01 | 38.53 | 7.11 | 45.64 | 54.00 | 8.36 | Average |

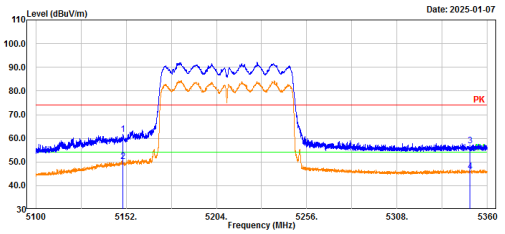
| 802.11ac80 mode, Middle Channel, Horizontal | 802. 11ac80 mode, Middle Channel, Vertical |
|---|---|

Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Horizontal Tester: Colin Yang
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle Channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5150.00 | 53.16 | 6.53 | 59.69 | 74.00 | 14.31 | Peak |
| 2 | 5150.00 | 42.76 | 6.53 | 49.29 | 54.00 | 4.71 | Average |
| 3 | 5350.00 | 50.41 | 7.10 | 57.51 | 74.00 | 16.49 | Peak |
| 4 | 5350.00 | 38.47 | 7.10 | 45.57 | 54.00 | 8.43 | Average |

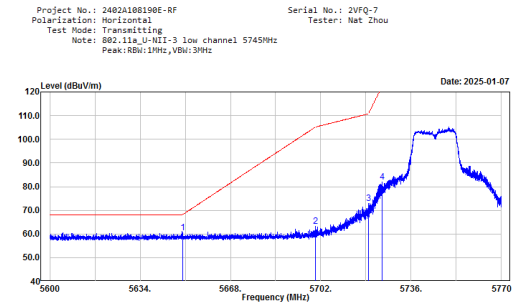
Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Vertical Tester: Colin Yang
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle Channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



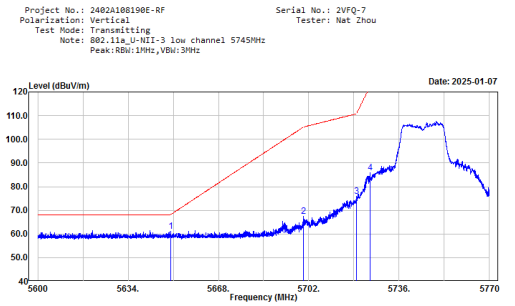

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5150.00 | 55.19 | 6.53 | 61.72 | 74.00 | 12.28 | Peak |
| 2 | 5150.00 | 43.78 | 6.53 | 50.31 | 54.00 | 3.69 | Average |
| 3 | 5350.00 | 49.89 | 7.10 | 56.99 | 74.00 | 17.01 | Peak |
| 4 | 5350.00 | 38.75 | 7.10 | 45.85 | 54.00 | 8.15 | Average |

**5725-5850MHz:**

| 802.11a mode, Low Channel, Horizontal | 802.11a mode, Low Channel, Vertical |
|---|---|
| | |

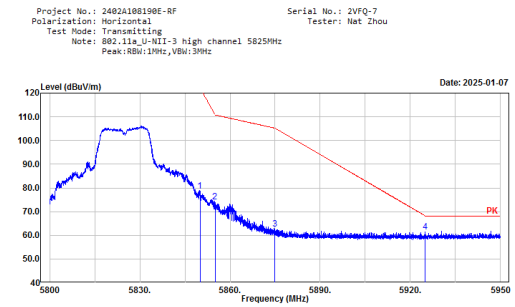



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 52.72 | 7.89 | 60.61 | 68.20 | 7.59 | Peak |
| 2 | 5700.00 | 55.31 | 7.98 | 63.29 | 105.20 | 41.91 | Peak |
| 3 | 5720.00 | 65.00 | 8.02 | 73.02 | 110.80 | 37.78 | Peak |
| 4 | 5725.00 | 74.02 | 8.03 | 82.05 | 122.20 | 40.15 | Peak |

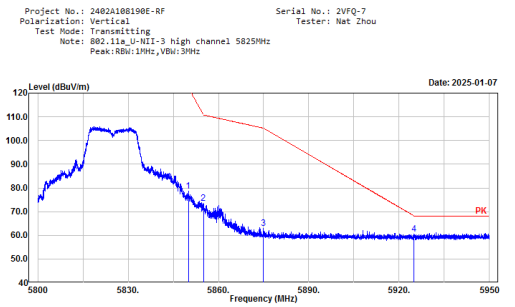



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 53.30 | 7.89 | 61.19 | 68.20 | 7.01 | Peak |
| 2 | 5700.00 | 59.40 | 7.98 | 67.38 | 105.20 | 37.82 | Peak |
| 3 | 5720.00 | 68.05 | 8.02 | 76.07 | 110.80 | 34.73 | Peak |
| 4 | 5725.00 | 77.76 | 8.03 | 85.79 | 122.20 | 36.41 | Peak |

| 802.11a mode, High Channel, Horizontal | 802.11a mode, High Channel, Vertical |
|---|---|
| | |

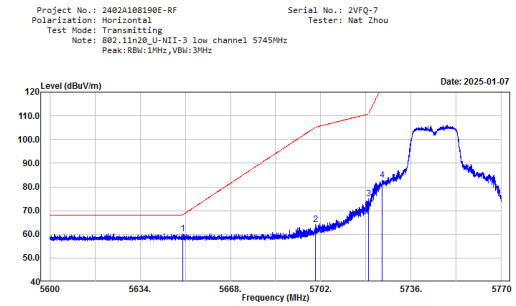



| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5850.00 | 70.50 | 8.20 | 78.70 | 122.20 | 43.50 | Peak |
| 2 | 5855.00 | 65.86 | 8.21 | 74.07 | 110.80 | 36.73 | Peak |
| 3 | 5875.00 | 54.39 | 8.28 | 62.67 | 105.20 | 42.53 | Peak |
| 4 | 5925.01 | 52.94 | 8.40 | 61.34 | 68.20 | 6.86 | Peak |



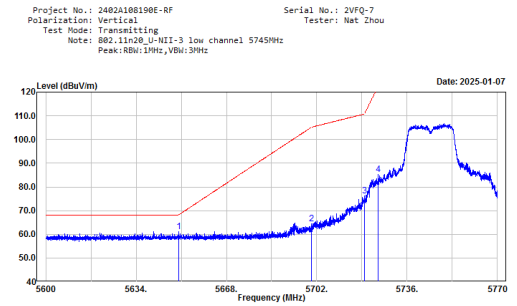

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5850.00 | 70.38 | 8.20 | 78.58 | 122.20 | 43.62 | Peak |
| 2 | 5855.00 | 65.40 | 8.21 | 73.61 | 110.80 | 37.19 | Peak |
| 3 | 5875.00 | 54.63 | 8.28 | 62.91 | 105.20 | 42.29 | Peak |
| 4 | 5925.00 | 52.26 | 8.40 | 60.66 | 68.20 | 7.54 | Peak |

## 802.11n20 mode, Low Channel, Horizontal



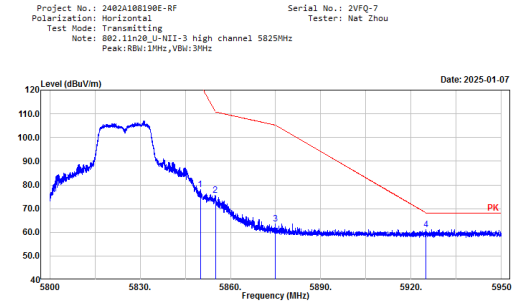

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 52.20 | 7.89 | 60.09 | 68.20 | 8.11 | Peak |
| 2 | 5700.00 | 56.10 | 7.98 | 64.08 | 105.20 | 41.12 | Peak |
| 3 | 5720.00 | 67.14 | 8.02 | 75.16 | 110.80 | 35.64 | Peak |
| 4 | 5725.00 | 74.98 | 8.03 | 83.01 | 122.20 | 39.19 | Peak |

## 802.11n20 mode, Low Channel, Vertical



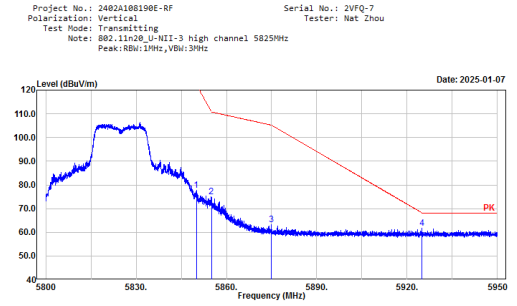

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 53.22 | 7.89 | 61.11 | 68.20 | 7.09 | Peak |
| 2 | 5700.00 | 56.59 | 7.98 | 64.57 | 105.20 | 40.63 | Peak |
| 3 | 5720.00 | 68.29 | 8.02 | 76.31 | 110.80 | 34.49 | Peak |
| 4 | 5725.00 | 77.19 | 8.03 | 85.22 | 122.20 | 36.98 | Peak |

## 802.11n20 mode, High Channel, Horizontal



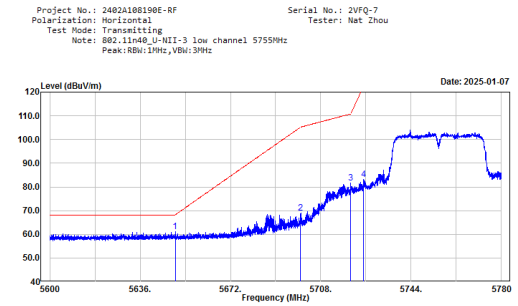

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5850.00 | 69.95 | 8.20 | 78.15 | 122.20 | 44.05 | Peak |
| 2 | 5855.00 | 67.52 | 8.21 | 75.73 | 110.80 | 35.07 | Peak |
| 3 | 5875.00 | 55.12 | 8.28 | 63.40 | 105.20 | 41.80 | Peak |
| 4 | 5925.00 | 52.84 | 8.40 | 61.24 | 68.20 | 6.96 | Peak |

## 802.11n20 mode, High Channel, Vertical



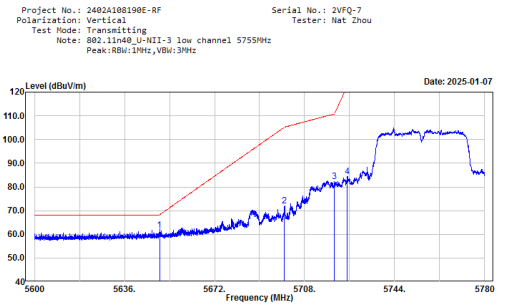

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5850.00 | 69.62 | 8.20 | 77.82 | 122.20 | 44.38 | Peak |
| 2 | 5855.00 | 66.95 | 8.21 | 75.16 | 110.80 | 35.64 | Peak |
| 3 | 5875.00 | 54.89 | 8.28 | 63.17 | 105.20 | 42.03 | Peak |
| 4 | 5925.00 | 53.44 | 8.40 | 61.84 | 68.20 | 6.36 | Peak |

## 802.11n40 mode, Low Channel, Horizontal



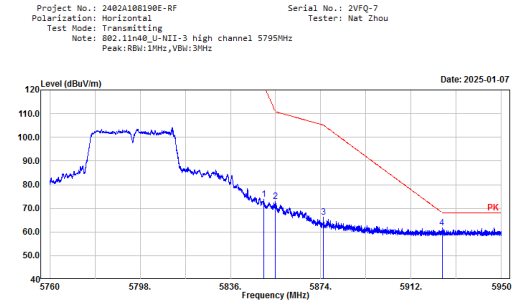

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 53.26 | 7.89 | 61.15 | 68.20 | 7.05 | Peak |
| 2 | 5700.00 | 60.97 | 7.98 | 68.95 | 105.20 | 36.25 | Peak |
| 3 | 5720.00 | 73.59 | 8.02 | 81.61 | 110.80 | 29.19 | Peak |
| 4 | 5725.00 | 75.24 | 8.03 | 83.27 | 122.20 | 38.93 | Peak |

## 802.11n40 mode, Low Channel, Vertical



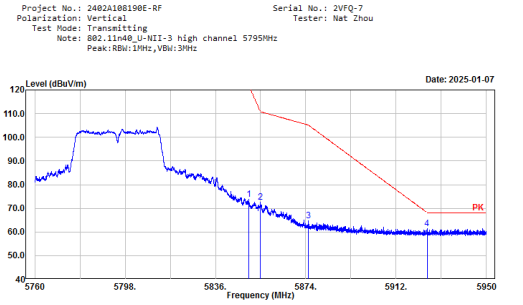

| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 53.76 | 7.89 | 61.65 | 68.20 | 6.55 | Peak |
| 2 | 5700.00 | 63.89 | 7.98 | 71.87 | 105.20 | 33.33 | Peak |
| 3 | 5720.00 | 74.35 | 8.02 | 82.37 | 110.80 | 28.43 | Peak |
| 4 | 5725.00 | 76.44 | 8.03 | 84.47 | 122.20 | 37.73 | Peak |

## 802.11n40 mode, High Channel, Horizontal




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5850.00 | 65.68 | 8.20 | 73.88 | 122.20 | 48.32 | Peak |
| 2 | 5855.00 | 64.66 | 8.21 | 72.87 | 110.80 | 37.93 | Peak |
| 3 | 5875.00 | 57.86 | 8.28 | 66.14 | 105.20 | 39.06 | Peak |
| 4 | 5925.00 | 53.36 | 8.40 | 61.76 | 68.20 | 6.44 | Peak |

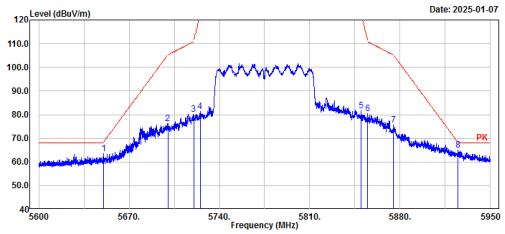
## 802.11n40 mode, High Channel, Vertical




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5850.00 | 65.52 | 8.20 | 73.72 | 122.20 | 48.48 | Peak |
| 2 | 5855.00 | 64.25 | 8.21 | 72.46 | 110.80 | 38.34 | Peak |
| 3 | 5875.00 | 56.46 | 8.28 | 64.74 | 105.20 | 40.46 | Peak |
| 4 | 5925.00 | 53.01 | 8.40 | 61.41 | 68.20 | 6.79 | Peak |

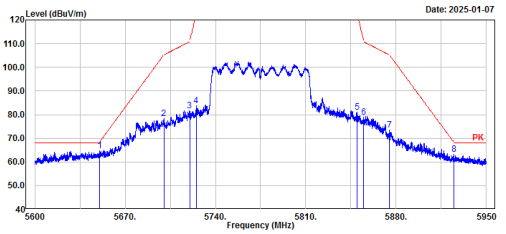
| 802.11ac80 mode, Middle Channel, Horizontal | 802. 11ac80 mode, Middle Channel, Vertical |
|---|---|

Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Horizontal Tester: Nat Zhou
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 55.51 | 7.89 | 63.40 | 68.20 | 4.80 | Peak |
| 2 | 5700.00 | 68.33 | 7.98 | 76.31 | 105.20 | 28.89 | Peak |
| 3 | 5720.00 | 72.00 | 8.02 | 80.02 | 110.80 | 30.78 | Peak |
| 4 | 5725.00 | 73.29 | 8.03 | 81.32 | 122.20 | 40.88 | Peak |
| 5 | 5850.00 | 73.52 | 8.20 | 81.72 | 122.20 | 40.48 | Peak |
| 6 | 5855.00 | 72.21 | 8.21 | 80.42 | 110.80 | 30.38 | Peak |
| 7 | 5875.00 | 67.20 | 8.28 | 75.48 | 105.20 | 29.72 | Peak |
| 8 | 5925.00 | 56.56 | 8.40 | 64.96 | 68.20 | 3.24 | Peak |

Project No.: 2402A108190E-RF Serial No.: 2VFQ-7
Polarization: Vertical Tester: Nat Zhou
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz




| No. | Frequency (MHz) | Reading (dBµV) | Factor (dB/m) | Result (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Detector |
|---|---|---|---|---|---|---|---|
| 1 | 5650.00 | 56.79 | 7.89 | 64.68 | 68.20 | 3.52 | Peak |
| 2 | 5700.00 | 70.25 | 7.98 | 78.23 | 105.20 | 26.97 | Peak |
| 3 | 5720.00 | 73.76 | 8.02 | 81.78 | 110.80 | 29.02 | Peak |
| 4 | 5725.00 | 75.82 | 8.03 | 83.85 | 122.20 | 38.35 | Peak |
| 5 | 5850.00 | 72.97 | 8.20 | 81.17 | 122.20 | 41.03 | Peak |
| 6 | 5855.00 | 70.80 | 8.21 | 79.01 | 110.80 | 31.79 | Peak |
| 7 | 5875.00 | 65.11 | 8.28 | 73.39 | 105.20 | 31.81 | Peak |
| 8 | 5925.00 | 54.70 | 8.40 | 63.10 | 68.20 | 5.10 | Peak |

## 5.3 Emission Bandwidth

### Test Information:

| | | | |
|---|---|---|---|
| **Serial No.:** | 2VFQ-1 | **Test Date:** | 2025/01/15 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Karl Liang | **Test Result:** | Pass |

### Environmental Conditions:

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C):** | 21.7 | **Relative Humidity: (%)** | 39 | **ATM Pressure: (kPa)** | 101.7 |

### Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM503 | 2024/06/07 | 2025/06/06 |
| R&S | Spectrum Analyzer | FSV40 | 101947 | 2024/09/05 | 2025/09/04 |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

### Test Data:
### 26dB Emission Bandwidth
### 5150-5250MHz

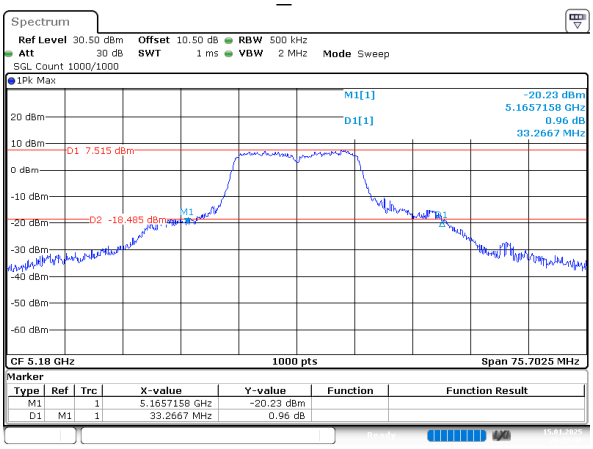
| Mode | Antenna | Test Frequency (MHz) | Result (MHz) |
|---|---|---|---|
| 802.11a | Chain 0 | 5180 | 33.267 |
| | | 5200 | 39.141 |
| | | 5240 | 40.567 |
| 802.11n20 | Chain 0 | 5180 | 28.676 |
| | | 5200 | 42.066 |
| | | 5240 | 37.078 |
| 802.11n40 | Chain 0 | 5190 | 42.543 |
| | | 5230 | 63.921 |
| 802.11ac80 | Chain 0 | 5210 | 83.884 |

### 6dB Emission Bandwidth
### 5725-5850MHz

| Mode | Antenna | Test Frequency (MHz) | Result (MHz) | Limit (MHz) | Verdict |
|---|---|---|---|---|---|
| 802.11a | Chain 0 | 5745 | 16.416 | 0.5 | Pass |
| | | 5785 | 16.416 | 0.5 | Pass |
| | | 5825 | 16.416 | 0.5 | Pass |
| 802.11n20 | Chain 0 | 5745 | 17.017 | 0.5 | Pass |
| | | 5785 | 17.117 | 0.5 | Pass |
| | | 5825 | 16.767 | 0.5 | Pass |
| 802.11n40 | Chain 0 | 5755 | 35.335 | 0.5 | Pass |
| | | 5795 | 35.335 | 0.5 | Pass |
| 802.11ac80 | Chain 0 | 5775 | 75.475 | 0.5 | Pass |

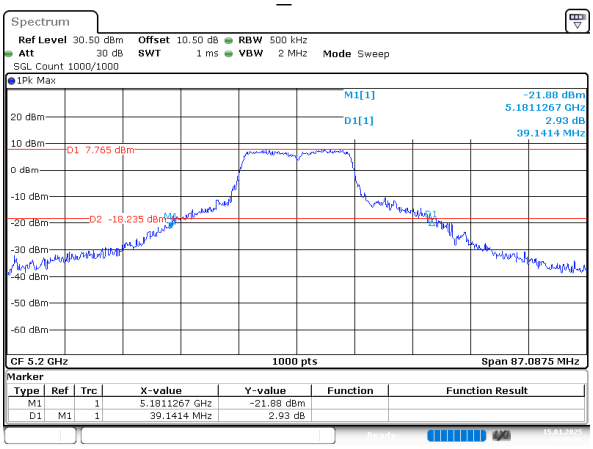
## 5150-5250MHz

802.11a_5180MHz



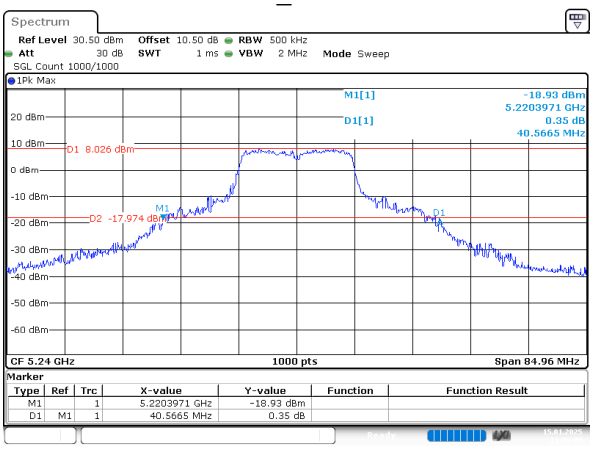

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:28:42

802.11a_5200MHz



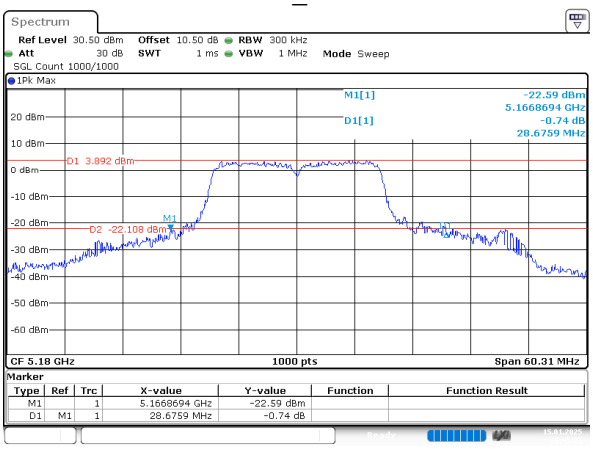

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:05:37

802.11a_5240MHz



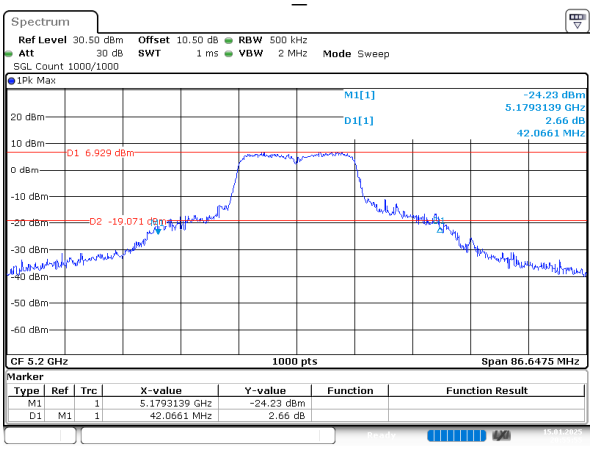

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:09:00

802.11n20_5180MHz



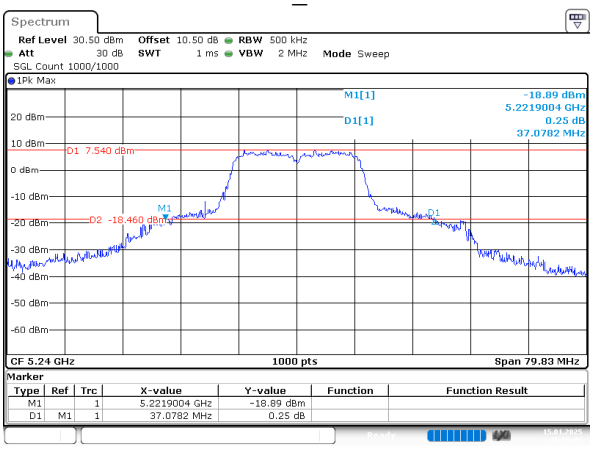

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:45:26

802.11n20_5200MHz



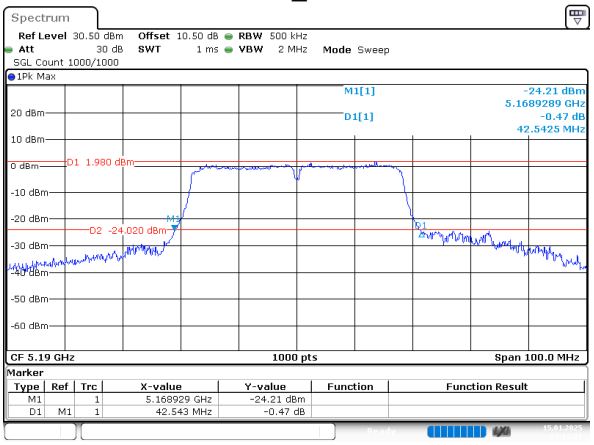

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:55:55

802.11n20_5240MHz



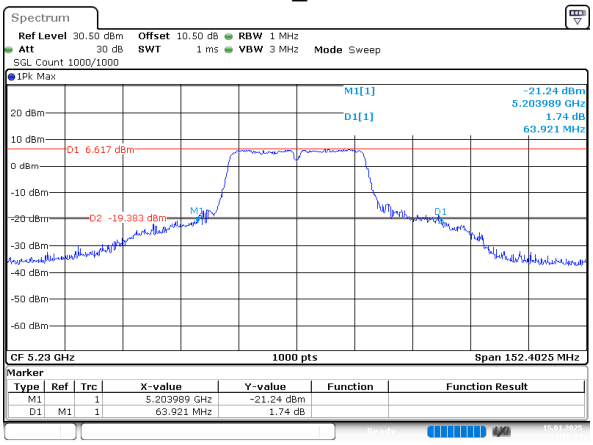

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:59:07

802.11n40_5190MHz



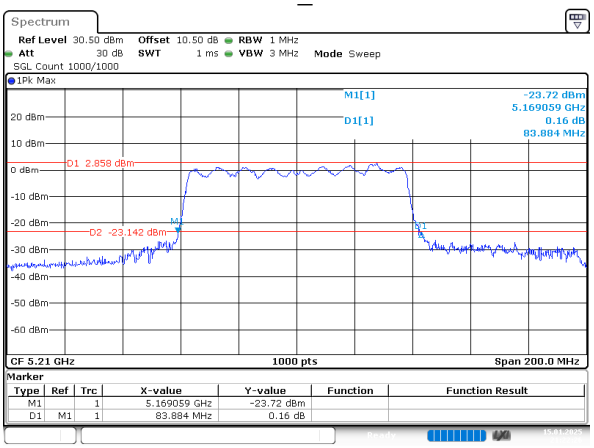

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:13:20

802.11n40_5230MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:18:24

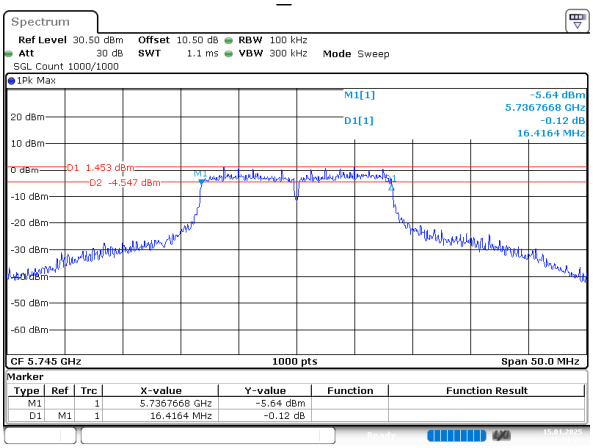
802.11ac80_5210MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:22:26

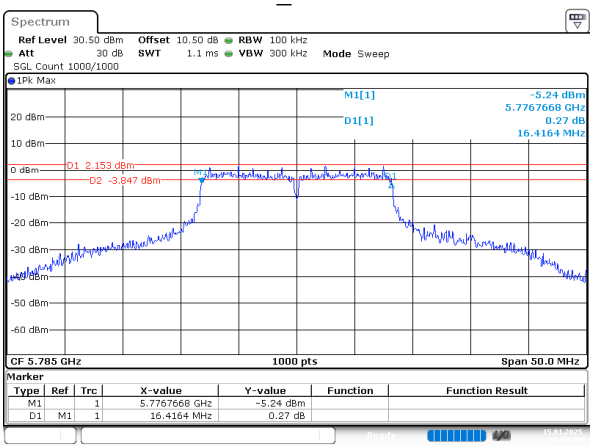
**5725-5850MHz**

802.11a_5745MHz



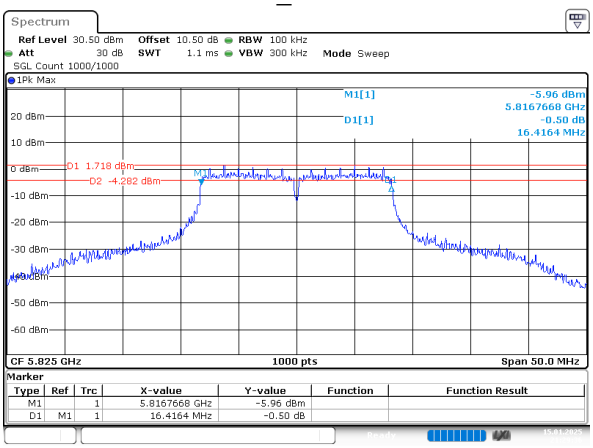

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:31:23

802.11a_5785MHz



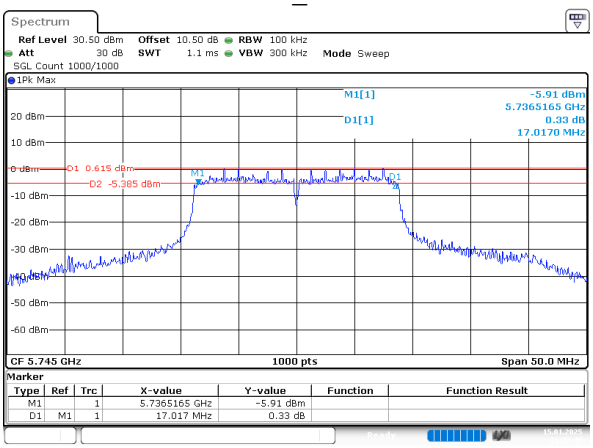

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:28:18

802.11a_5825MHz



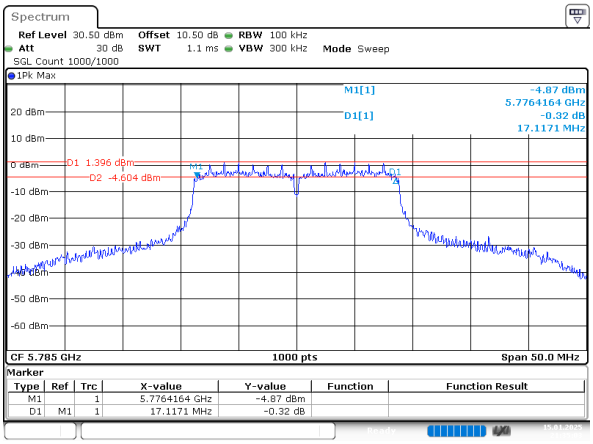

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:29:36

802.11n20_5745MHz



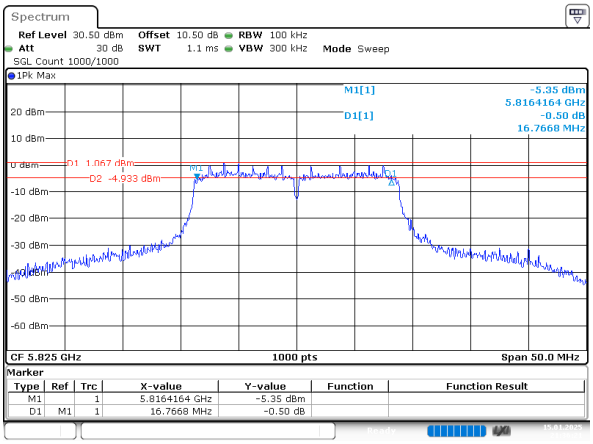

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:37:45

802.11n20_5785MHz



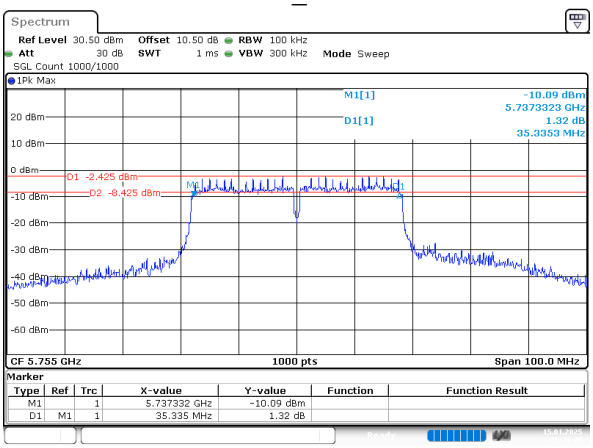

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:35:03

802.11n20_5825MHz



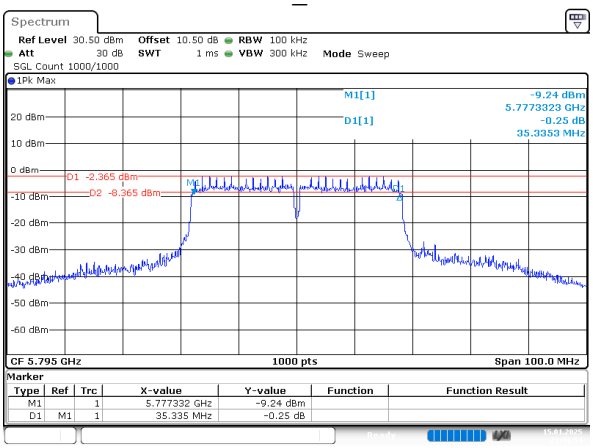

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:36:20

802.11n40_5755MHz



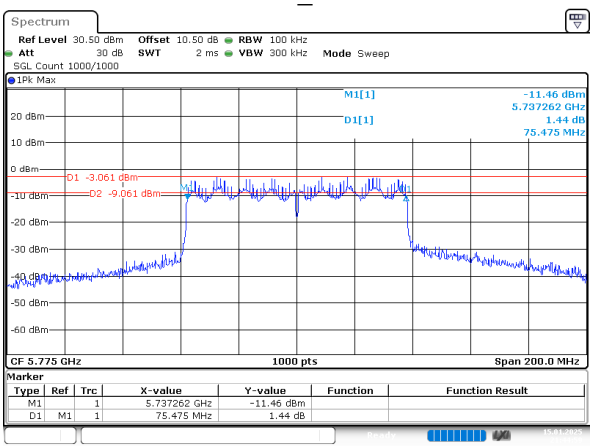

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:40:59

802.11n40_5795MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:41:54

802.11ac80_5775MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:44:59

## 5.4 99% Occupied Bandwidth

**Test Information:**

| | | | |
|---|---|---|---|
| **Serial No.:** | 2VFQ-1 | **Test Date:** | 2025/01/15 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Karl Liang | **Test Result:** | / |

**Environmental Conditions:**

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C):** | 21.7 | **Relative Humidity: (%)** | 39 | **ATM Pressure: (kPa)** | 101.7 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM503 | 2024/06/07 | 2025/06/06 |
| R&S | Spectrum Analyzer | FSV40 | 101947 | 2024/09/05 | 2025/09/04 |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

**Test Data:**

**5150-5250MHz**

| Mode | Antenna | Test Frequency (MHz) | 99% OBW (MHz) |
|---|---|---|---|
| 802.11a | Chain 0 | 5180 | 17.050 |
| | | 5200 | 17.550 |
| | | 5240 | 17.950 |
| 802.11n20 | Chain 0 | 5180 | 17.800 |
| | | 5200 | 18.050 |
| | | 5240 | 18.100 |
| 802.11n40 | Chain 0 | 5190 | 36.400 |
| | | 5230 | 36.700 |
| 802.11ac80 | Chain 0 | 5210 | 75.800 |

**Note:**
**The 99% Occupied Bandwidth have not fall into the band 5250-5350MHz, please refer to the test plots of 99% Occupied Bandwidth.**

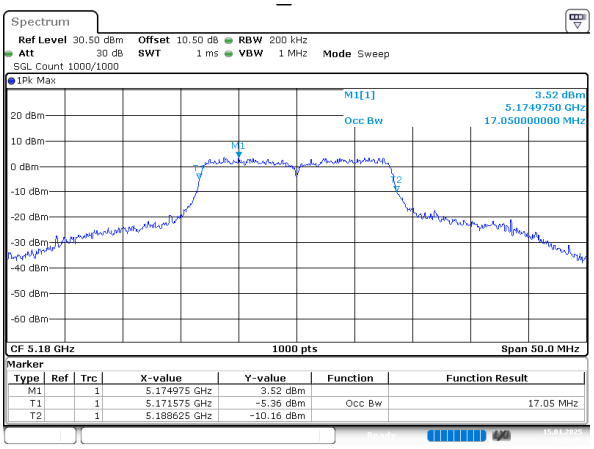
**5725-5850MHz**

| Mode | Antenna | Test Frequency (MHz) | 99% OBW (MHz) |
|---|---|---|---|
| 802.11a | Chain 0 | 5745 | 17.100 |
| | | 5785 | 17.250 |
| | | 5825 | 16.900 |
| 802.11n20 | Chain 0 | 5745 | 17.750 |
| | | 5785 | 17.800 |
| | | 5825 | 17.750 |
| 802.11n40 | Chain 0 | 5755 | 36.600 |
| | | 5795 | 36.600 |
| 802.11ac80 | Chain 0 | 5775 | 76.200 |

**Note:**
**The 99% Occupied Bandwidth have not fall into the band 5470-5725MHz, please refer to the test plots of 99% Occupied Bandwidth.**

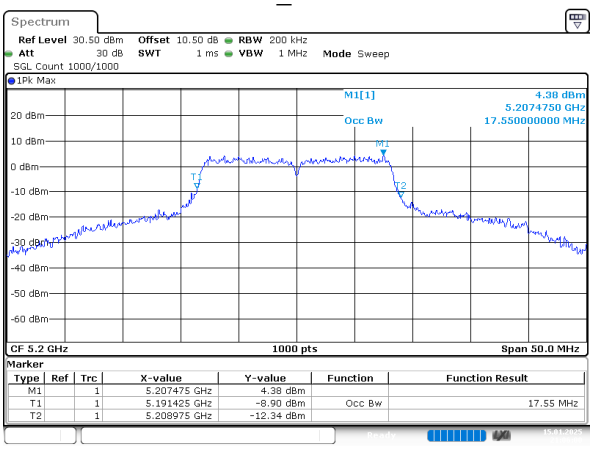
## 5150-5250MHz

802.11a_5180MHz



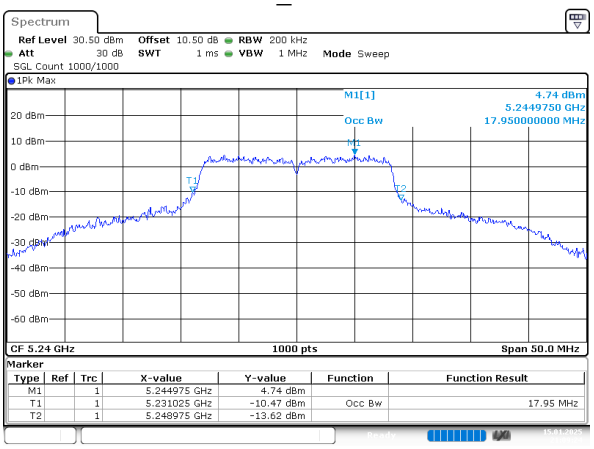

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:29:05

802.11a_5200MHz



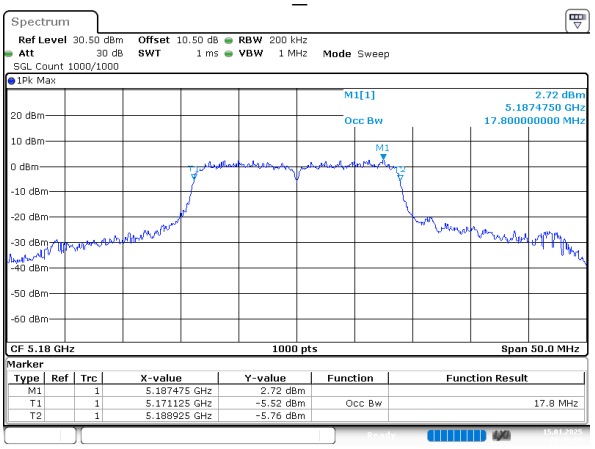

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:06:00

802.11a_5240MHz



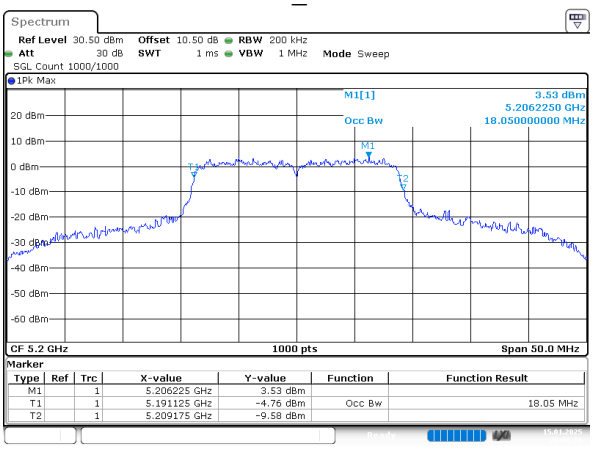

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:09:25

802.11n20_5180MHz



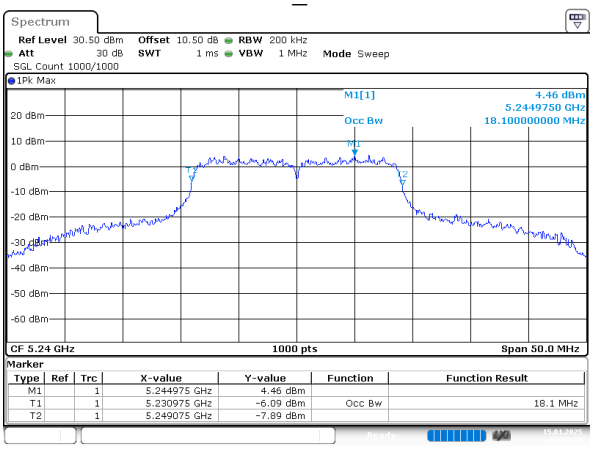

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:45:50

802.11n20_5200MHz



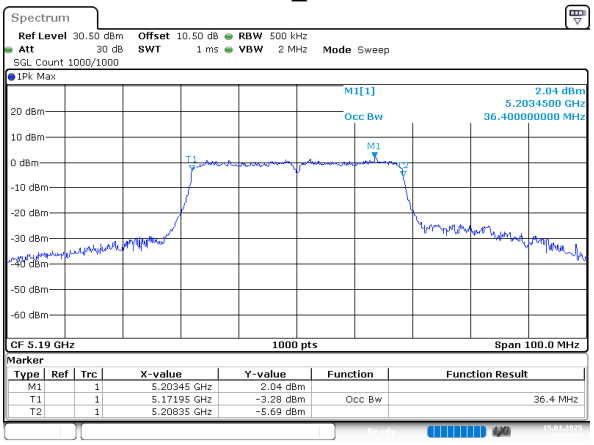

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:56:17

802.11n20_5240MHz



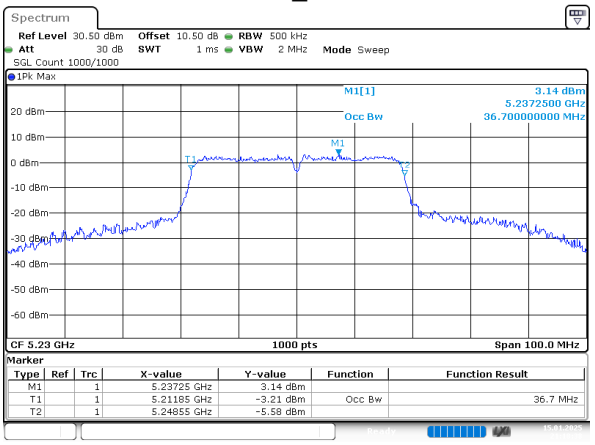

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:59:31

802.11n40_5190MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:13:35

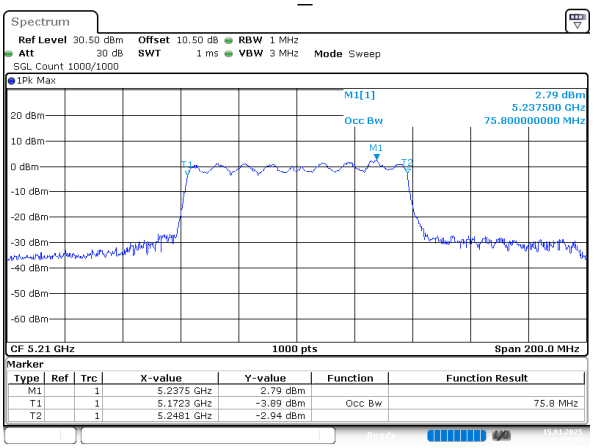
802.11n40_5230MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:18:38

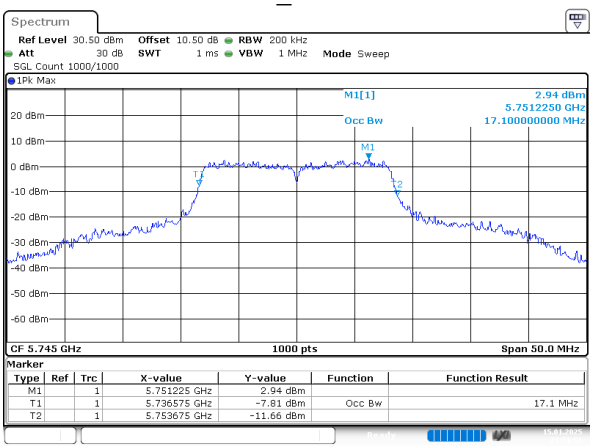
**5725-5850MHz**

802.11ac80_5210MHz



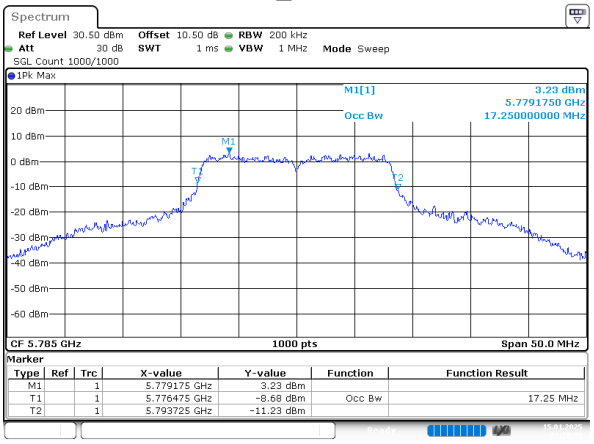

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:22:42

802.11a_5745MHz



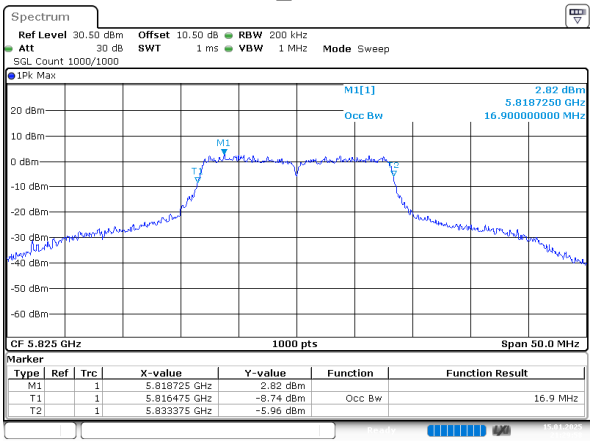

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:31:51

802.11a_5785MHz



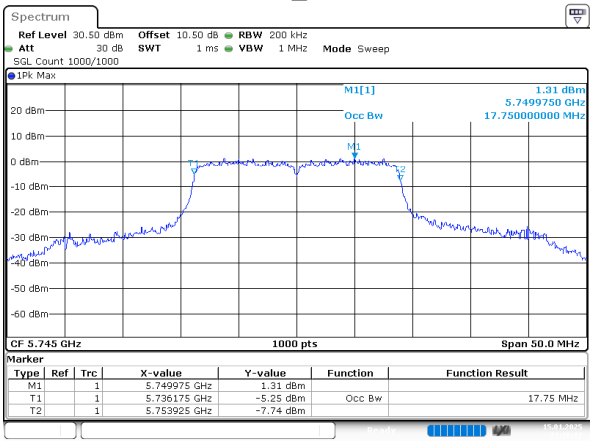

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:28:48

802.11a_5825MHz



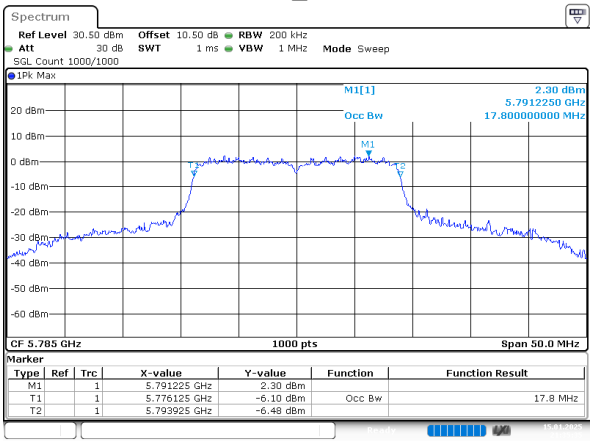

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:29:58

802.11n20_5745MHz



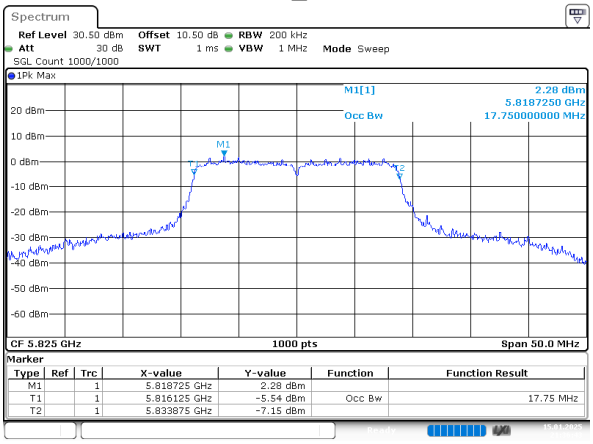

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:38:12

802.11n20_5785MHz



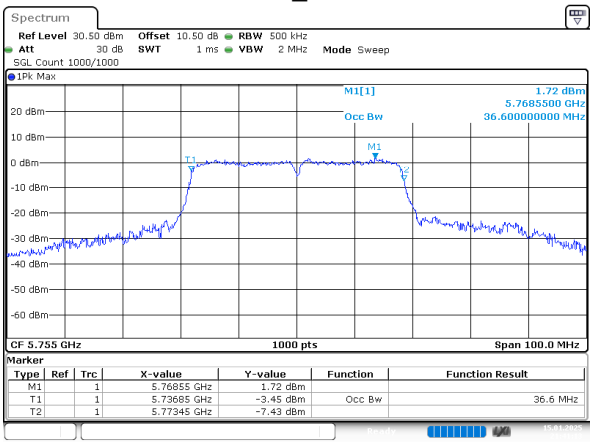

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:35:34

802.11n20_5825MHz



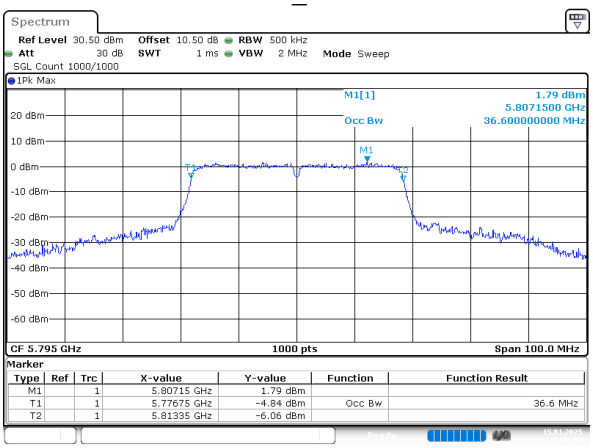

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:36:43

802.11n40_5755MHz



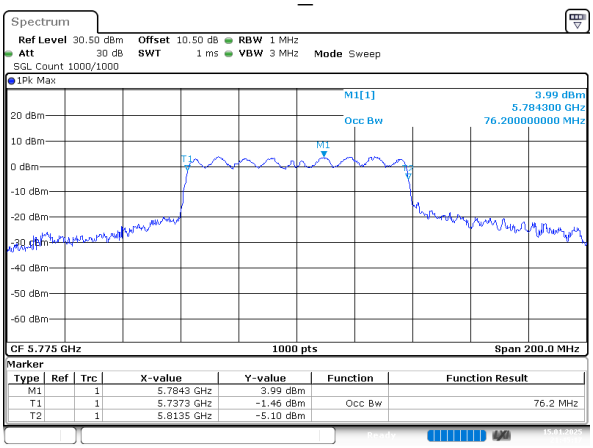

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:41:13

802.11n40_5795MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:42:09

802.11ac80_5775MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:45:17

## 5.5 Maximum Conducted Output Power

### Test Information:

| | | | |
|---|---|---|---|
| **Serial No.:** | 2VFQ-1 | **Test Date:** | 2025/01/15 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Karl Liang | **Test Result:** | Pass |

### Environmental Conditions:

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C):** | 21.7 | **Relative Humidity: (%)** | 39 | **ATM Pressure: (kPa)** | 101.7 |

### Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM503 | 2024/06/07 | 2025/06/06 |
| Anritsu | Microwave Peak Power Sensor | MA24418A | 12618 | 2024/08/27 | 2025/08/26 |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

### Test Data:

**5150-5250MHz**

| Mode | Antenna | Test Frequency (MHz) | Average Output Power (dBm) | FCC Limit (dBm) | Verdict |
|---|---|---|---|---|---|
| 802.11a | Chain 0 | 5180 | 13.72 | 24.00 | Pass |
| | | 5200 | 14.55 | 24.00 | Pass |
| | | 5240 | 14.45 | 24.00 | Pass |
| 802.11n20 | Chain 0 | 5180 | 13.47 | 24.00 | Pass |
| | | 5200 | 13.63 | 24.00 | Pass |
| | | 5240 | 13.81 | 24.00 | Pass |
| 802.11n40 | Chain 0 | 5190 | 10.84 | 24.00 | Pass |
| | | 5230 | 12.63 | 24.00 | Pass |
| 802.11ac80 | Chain 0 | 5210 | 9.98 | 24.00 | Pass |

Note: the device is a client device.

**5725-5850MHz**

| Mode | Antenna | Test Frequency (MHz) | Average Output Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|
| 802.11a | Chain 0 | 5745 | 12.4 | 30 | Pass |
| | | 5785 | 12.86 | 30 | Pass |
| | | 5825 | 12.46 | 30 | Pass |
| 802.11n20 | Chain 0 | 5745 | 11.57 | 30 | Pass |
| | | 5785 | 12.23 | 30 | Pass |
| | | 5825 | 11.59 | 30 | Pass |
| 802.11n40 | Chain 0 | 5755 | 11.06 | 30 | Pass |
| | | 5795 | 11.44 | 30 | Pass |
| 802.11ac80 | Chain 0 | 5775 | 12.16 | 30 | Pass |

## 5.6 Power Spectral Density

### Test Information:

| | | | |
|---|---|---|---|
| **Serial No.:** | 2VFQ-1 | **Test Date:** | 2025/01/15 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Karl Liang | **Test Result:** | Pass |

### Environmental Conditions:

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C):** | 21.7 | **Relative Humidity: (%)** | 39 | **ATM Pressure: (kPa)** | 101.7 |

### Test Equipment List and Details:

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM503 | 2024/06/07 | 2025/06/06 |
| R&S | Spectrum Analyzer | FSV40 | 101947 | 2024/09/05 | 2025/09/04 |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

### Test Data:

**5150-5250MHz**

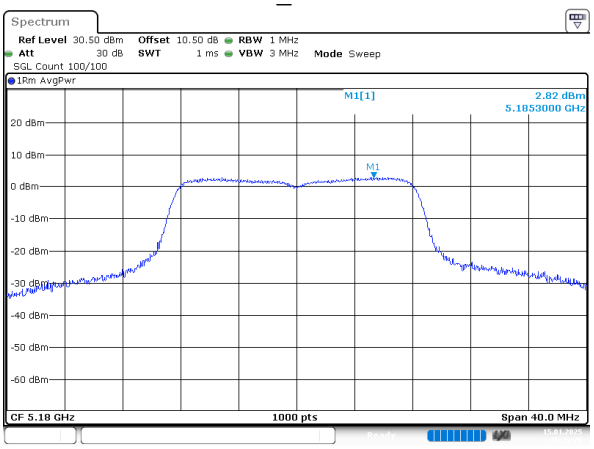
| Mode | Test Frequency (MHz) | Reading (dBm/MHz) | Duty Cycle Factor (dB) | Conducted Power Spectral Density (dBm/MHz) | |
|---|---|---|---|---|---|
| | | | | Result | FCC Limit |
| 802.11a | 5180 | 2.82 | 0.19 | 3.01 | 11.00 |
| | 5200 | 3.46 | 0.19 | 3.65 | 11.00 |
| | 5240 | 3.57 | 0.19 | 3.76 | 11.00 |
| 802.11n20 | 5180 | 1.95 | 0.25 | 2.20 | 11.00 |
| | 5200 | 2.32 | 0.25 | 2.57 | 11.00 |
| | 5240 | 2.58 | 0.25 | 2.83 | 11.00 |
| 802.11n40 | 5190 | -3.70 | 1.10 | -2.60 | 11.00 |
| | 5230 | -1.52 | 1.10 | -0.42 | 11.00 |
| 802.11ac80 | 5210 | -6.42 | 1.18 | -5.24 | 11.00 |

**5725-5850MHz**

| Mode | Test Frequency (MHz) | Reading (dBm/500kHz) | Duty Cycle Factor (dB) | Result (dBm/500kHz) | Limit (dBm/500kHz) |
|---|---|---|---|---|---|
| 802.11a | 5745 | -1.25 | 0.27 | -0.98 | 30 |
| | 5785 | -0.18 | 0.27 | 0.09 | 30 |
| | 5825 | -1.43 | 0.27 | -1.16 | 30 |
| 802.11n20 | 5745 | -2.56 | 0.34 | -2.22 | 30 |
| | 5785 | -1.76 | 0.34 | -1.42 | 30 |
| | 5825 | -2.51 | 0.34 | -2.17 | 30 |
| 802.11n40 | 5755 | -6.18 | 1.10 | -5.08 | 30 |
| | 5795 | -6.22 | 1.10 | -5.12 | 30 |
| 802.11ac80 | 5775 | -7.11 | 1.17 | -5.94 | 30 |

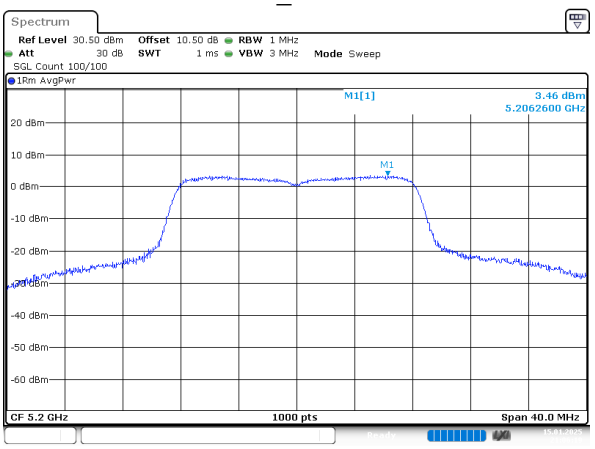
**5150-5250MHz**

802.11a_5180MHz



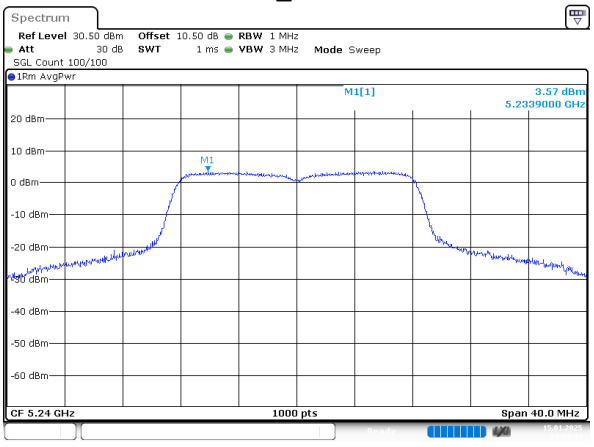

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:29:21

802.11a_5200MHz



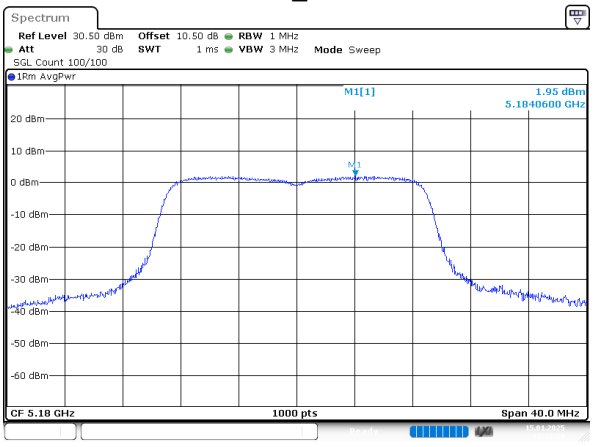

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:06:20

802.11a_5240MHz



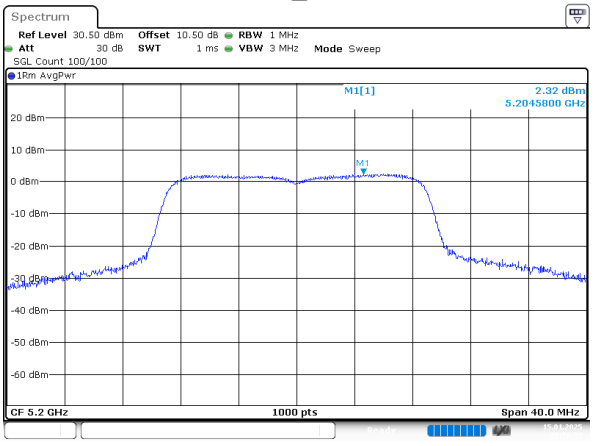

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:09:44

802.11n20_5180MHz



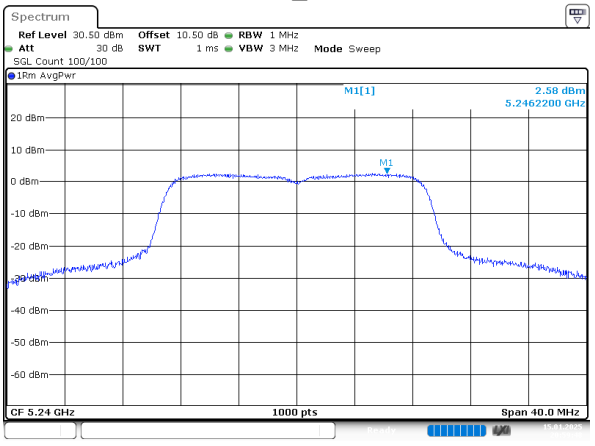

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 13:32:55

802.11n20_5200MHz



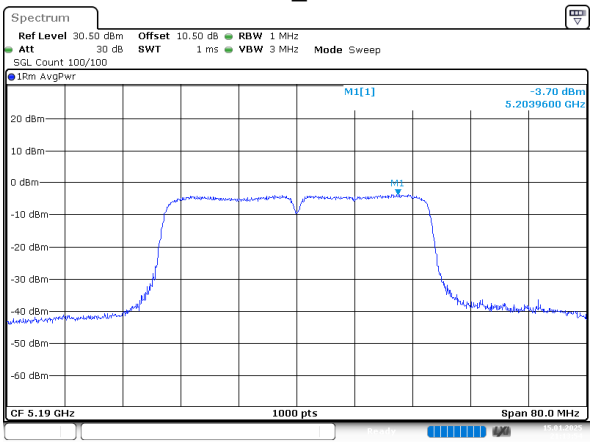

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:56:33

802.11n20_5240MHz



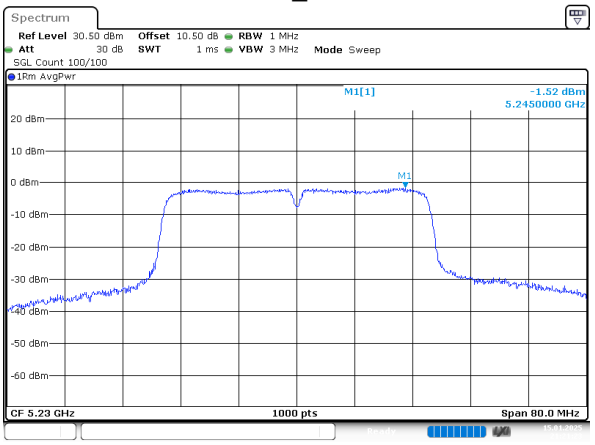

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:59:48

802.11n40_5190MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:13:53

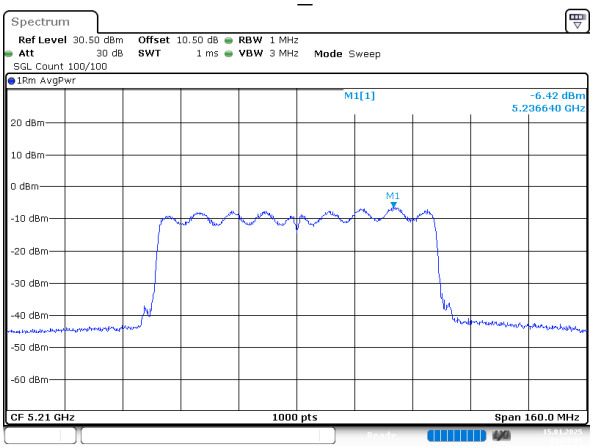
802.11n40_5230MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:21:23

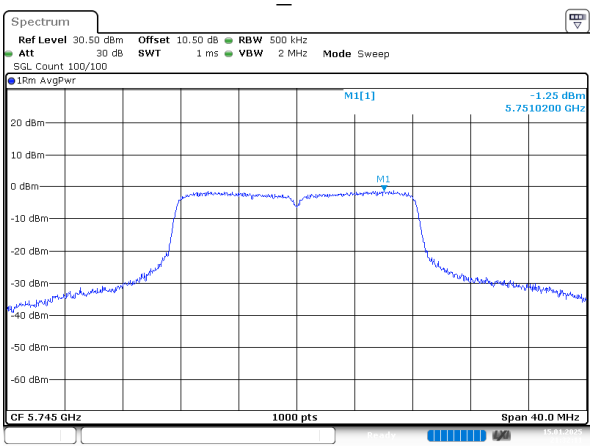
**5725-5850MHz**

802.11ac80_5210MHz



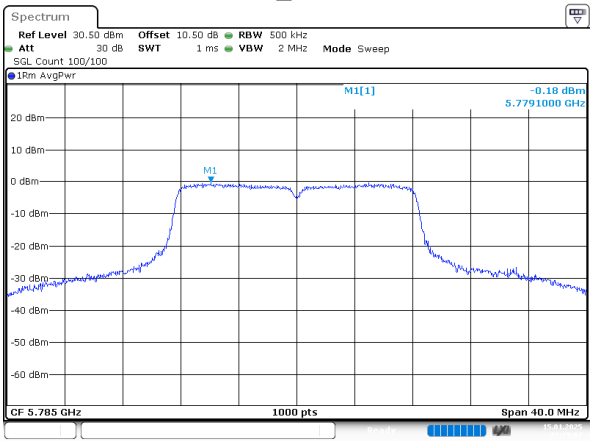

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:23:01

802.11a_5745MHz



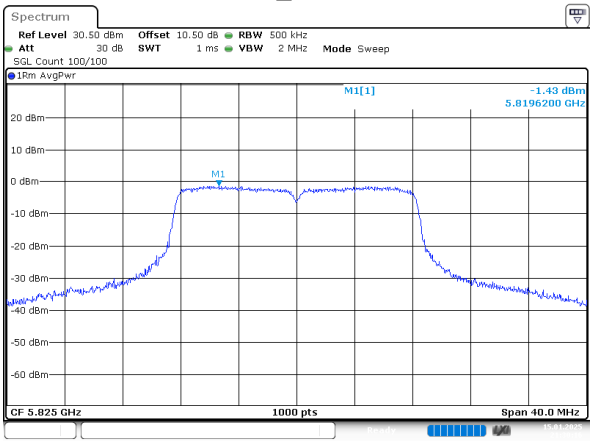

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:32:10

802.11a_5785MHz



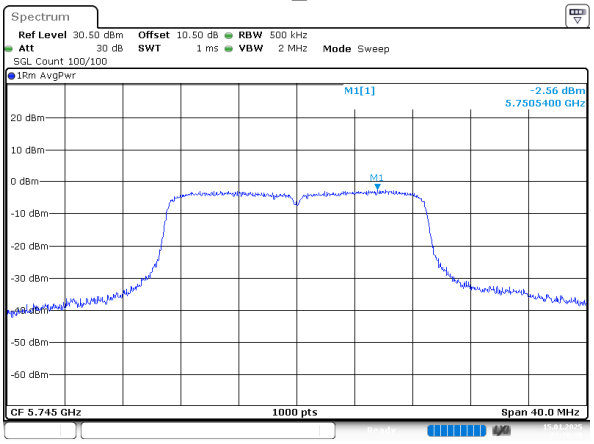

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:29:07

802.11a_5825MHz



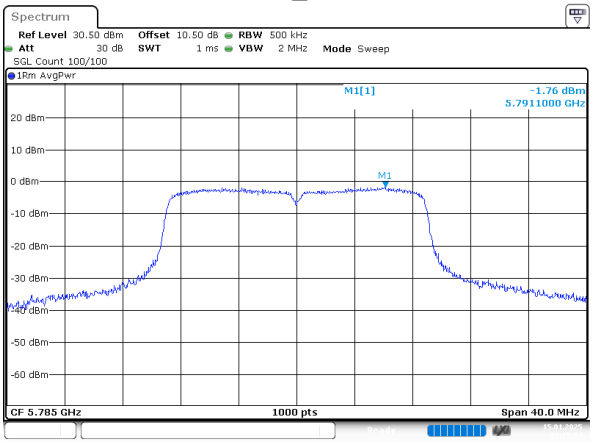

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:30:16

802.11n20_5745MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:38:29

802.11n20_5785MHz

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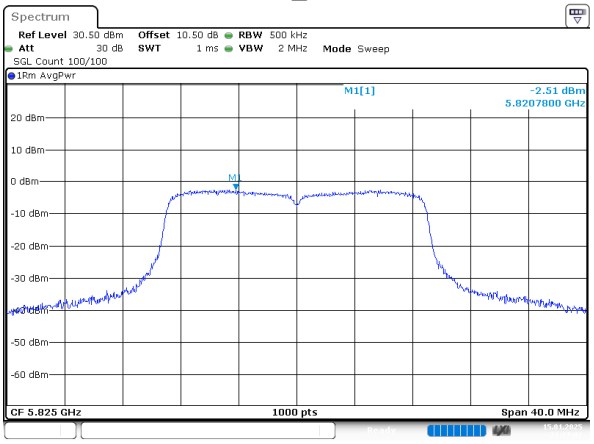
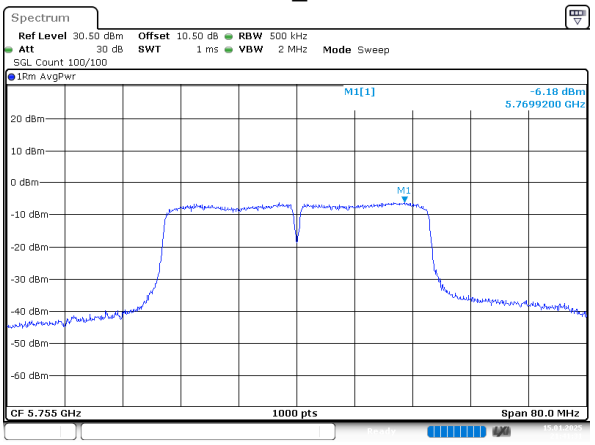
Date: 15.JAN.2025 21:35:54

802.11n20_5825MHz



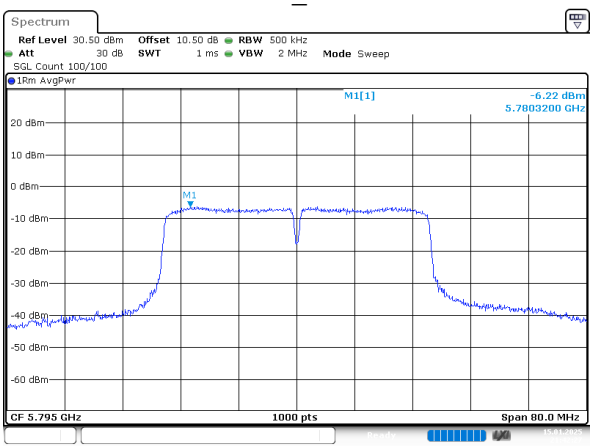

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:37:02

802.11n40_5755MHz



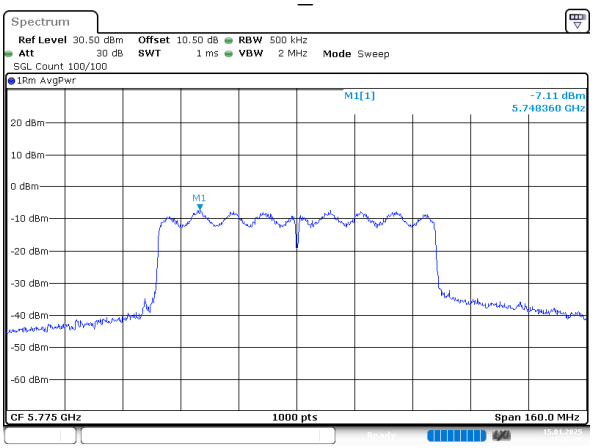

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:41:30

802.11n40_5795MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:42:27

802.11ac80_5775MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:45:38

## 5.7 Duty Cycle

**Test Information:**

| | | | |
|---|---|---|---|
| **Serial No.:** | 2VFQ-1 | **Test Date:** | 2025/01/15 |
| **Test Site:** | RF | **Test Mode:** | Transmitting |
| **Tester:** | Karl Liang | **Test Result:** | / |

**Environmental Conditions:**

| | | | | | |
|---|---|---|---|---|---|
| **Temperature: (°C):** | 21.7 | **Relative Humidity: (%)** | 39 | **ATM Pressure: (kPa)** | 101.7 |

**Test Equipment List and Details:**

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|---|---|---|---|---|---|
| Eastsheep | Coaxial Attenuator | 5W-N-JK-6G-10dB | F-08-EM503 | 2024/06/07 | 2025/06/06 |
| R&S | Spectrum Analyzer | FSV40 | 101947 | 2024/09/05 | 2025/09/04 |

** Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

**Test Data:**

**5150-5250MHz:**

| Mode | Antenna | Test Frequency (MHz) | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty Cycle Factor(dB) | 1/Ton (Hz) | VBW Setting (kHz) |
|---|---|---|---|---|---|---|---|---|
| 802.11a | Chain 0 | 5200 | 2.063 | 2.157 | 95.64 | 0.19 | 485 | 0.500 |
| 802.11n20 | Chain 0 | 5200 | 1.918 | 2.030 | 94.48 | 0.25 | 521 | 1 |
| 802.11n40 | Chain 0 | 5190 | 0.347 | 0.447 | 77.63 | 1.10 | 2882 | 3 |
| 802.11ac80 | Chain 0 | 5210 | 0.323 | 0.424 | 76.18 | 1.18 | 3096 | 5 |

**Duty Cycle = Ton/(Ton+Toff)*100%**

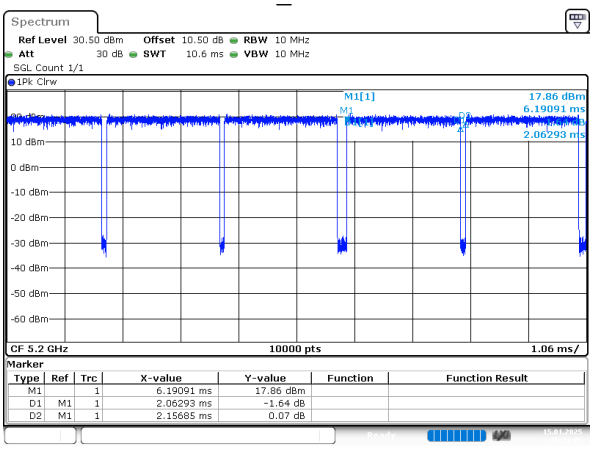
**5725-5850MHz:**

| Mode | Antenna | Test Frequency (MHz) | Ton (ms) | Ton+Toff (ms) | Duty Cycle (%) | Duty Cycle Factor(dB) | 1/Ton (Hz) | VBW Setting (kHz) |
|---|---|---|---|---|---|---|---|---|
| 802.11a | Chain 0 | 5785 | 2.062 | 2.192 | 94.07 | 0.27 | 485 | 0.500 |
| 802.11n20 | Chain 0 | 5785 | 1.918 | 2.075 | 92.43 | 0.34 | 521 | 1 |
| 802.11n40 | Chain 0 | 5755 | 0.347 | 0.447 | 77.63 | 1.10 | 2882 | 3 |
| 802.11ac80 | Chain 0 | 5775 | 0.324 | 0.424 | 76.42 | 1.17 | 3086 | 5 |

**Duty Cycle = Ton/(Ton+Toff)*100%**

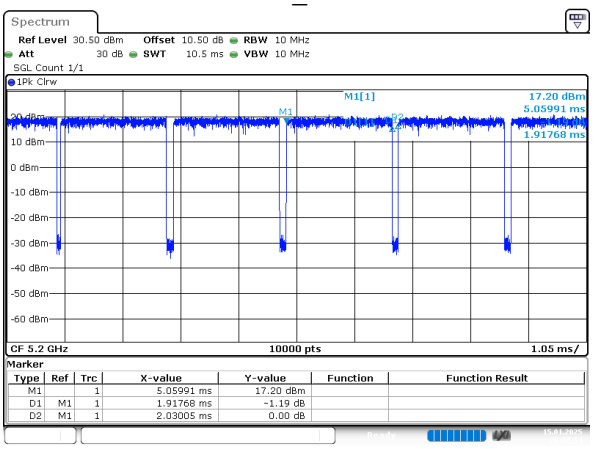
**5150-5250MHz:**

802.11a_5200MHz



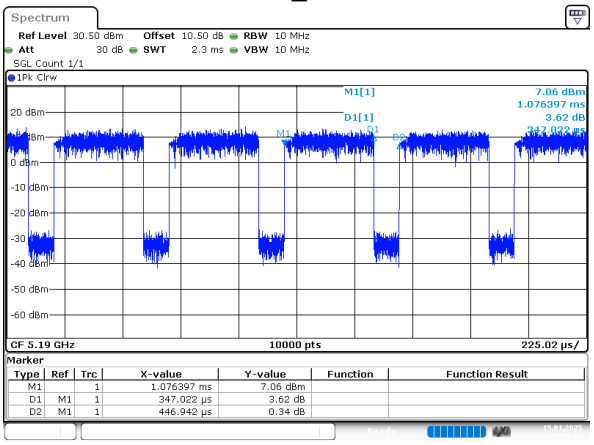

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:21:02

802.11n20_5200MHz



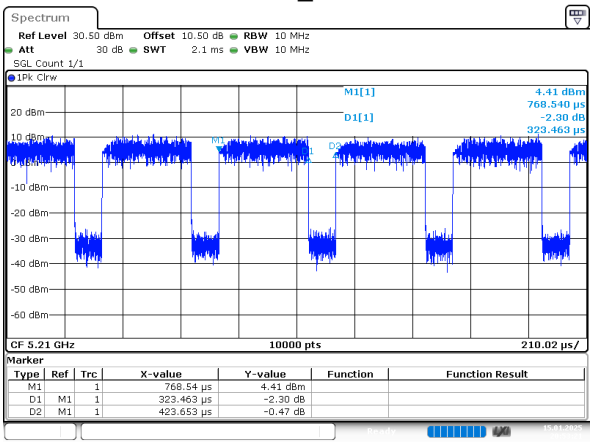

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:37:14

802.11n40_5190MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:51:14

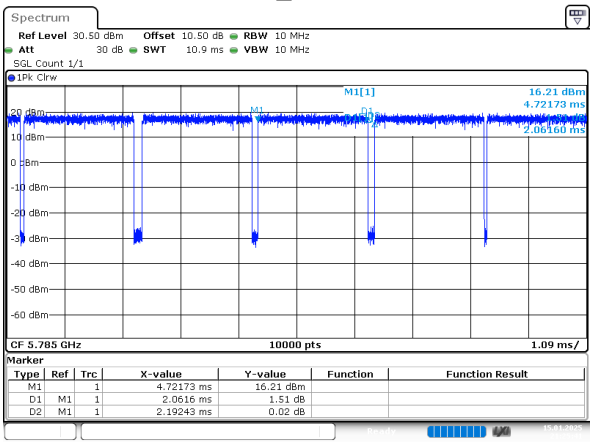
802.11ac80_5210MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 20:53:21

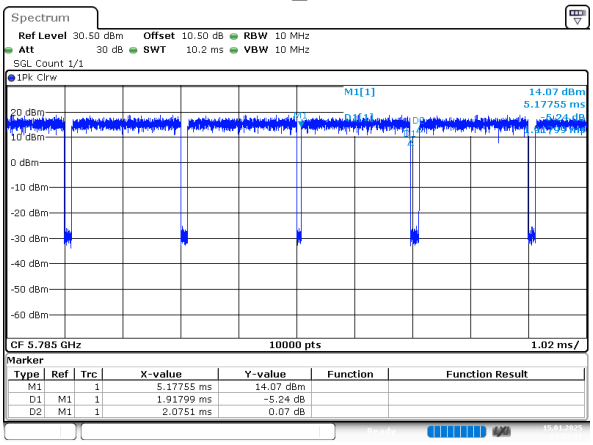
**5725-5850MHz:**

802.11a_5785MHz



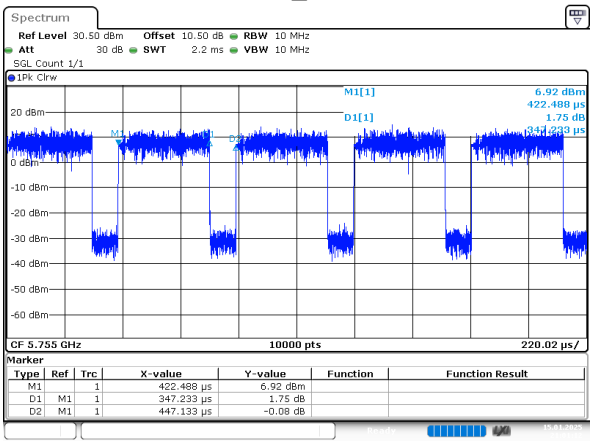

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:25:41

802.11n20_5785MHz



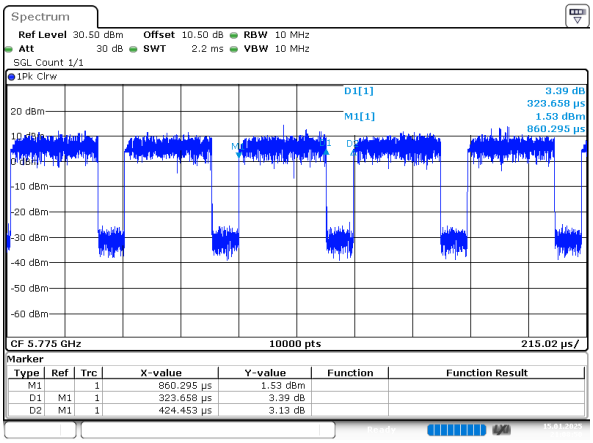

ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:33:01

802.11n40_5755MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:01:12

802.11ac80_5775MHz




ProjectNo.:2402A108190E-RF Tester:Karl Liang
Date: 15.JAN.2025 21:08:50

# EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2402A108190E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2402A108190E-RF-INP EUT INTERNAL PHOTOGRAPHS.

# EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2402A108190E-RF-00B-TSP TEST SETUP PHOTOGRAPHS.

******* END OF REPORT *******