

TEST REPORT

Applicant: ATOMOS Global PTY Ltd

Address: Level 4, 350 Queen Street, Melbourne VIC 3000 Australia

Product Name: SHINOBI 7 RX

FCC ID: 2BLOK-ATOMSHBRX1

IC: 26270-ATOMSHBRX1

HVIN: V53_V10003

47 CFR Part 15, Subpart E(15.407)
RSS-247 Issue 4, July 24, 2025
RSS-Gen, Issue 5, February 2021 Amendment 2
Standard(s): ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 +
Errata to C63.10a-2024
KDB 789033 D02 General U-NII Test Procedures New Rules
v02r01

Report Number: 2502X02056E-RF-00A

Report Date: 2026/3/4

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502X02056E-RF-00A	Original Report	2026/3/4

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	SHINOBI 7 RX
EUT Model:	ATOMSHBRX1
Operation Frequency:	5150-5250MHz: 5180-5240 MHz(802.11a/n ht20/ac vht20/ax he20) 5190-5230 MHz(802.11n ht40/ac vht40/ax he40) 5210 MHz(802.11ac vht80/ax he80) 5725-5850MHz: 5745-5825 MHz (802.11a/n ht20/ac vht20/ax he20) 5755-5795 MHz(802.11n ht40/ac vht40/ax he40) 5775 MHz(802.11ac vht80/ax he80)
Maximum Average Conducted Output Power:	14.71dBm in 5150-5250 MHz Band 16.5dBm in 5725-5850 MHz Band
Maximum Average EIRP:	19.83dBm in 5150-5250 MHz Band
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM 802.11ax: OFDMA-BPSK, QPSK, 16QAM, 64QAM,256QAM,1024QAM
Rated Input Voltage:	DC 6.2-16.8V from battery or DC 9/12V from USB Port or DC 6.2-16.8V from DC Port
Serial Number:	3ACD-3 (For AC line conducted emissions test) 3ACD-5 (For Radiation Spurious Emissions test) 3ACD-6 (For RF conducted test)
EUT Received Date:	2025/9/19
EUT Received Status:	Good
Note: Per 15B&ICES 003 Issue 7 report, Powered by DC Port was the worst for AC line conducted emissions and Powered by USB port was the worst for Radiation Spurious Emissions, so only performed it this report.	

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

1.3 Antenna Information Detail▲

Antenna	Antenna Type	Input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
Chain 0& Chain 1	Dipole	50	5150-5250	5.12
			5725-5850	4.28

Note:

The system supports 2T2R Non-beamforming(CDD) modes at 802.11n/ac/ax modes.

Per KDB 662911 D01 Multiple Transmitter Output v02r01:

For power measurements:

CDD Mode:

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

directional gain=5.12 dBi for 5150-5250MHz

directional gain=4.28 dBi for 5725-5850MHz

For power spectral density (PSD) measurements:

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

directional gain=5.12dBi+3.01dB=8.13dBi for 5150-5250MHz

directional gain=4.28dBi+3.01dB=7.29dBi for 5725-5850MHz

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) RSS-Gen Clause 8.8	AC line conducted emissions	Compliant
FCC§15.205 & §15.209 & §15.407(b); RSS-247 Clause 7.3	Undesirable Emission& Restricted Bands	Compliant
RSS-247 Clause 7.3.1.3	26dB attenuated below the channel power	Compliant
FCC§15.407(a) (e) RSS-247 Clause 7.3 RSS-Gen Clause 6.7	Emission Bandwidth	Compliant
FCC§15.407(a) RSS-247 Clause 7.3	Maximum Conducted Output Power	Compliant
FCC§15.407 (a) RSS-247 Clause 7.3	Power Spectral Density	Compliant
§15.203 RSS-Gen Clause 6.8	Antenna Requirement	Compliant
RSS-247 Clause 7.3.7	Additional requirements	Compliant
§15.407 (f) & §1.1310 & §2.1091	Maximum Permissible Exposure (MPE)	Compliant
RSS-102 Clause 6.6	Exemption Limits For Routine Evaluation-RF Exposure Evaluation	Compliant

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency Detail

For 802.11a/n ht20/ac vht20/ax he20:

5150-5250MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	149	5745
40	5200	153	5765
44	5220	157	5785
48	5240	161	5805
/	/	165	5825

For 802.11n ht40/ac vht40/ax he40:

5150-5250MHz		5725-5850MHz	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	151	5755
46	5230	159	5795

For 802.11ac vht80/ax he80:

5150-5250MHz		5725-5850MHz	
Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	155	5775

Note:

1. The above frequencies in bold were performed the test.
2. For AC line conducted emissions, the maximum output power mode and channel was tested.
3. For Radiated Spurious Emissions 9kHz~ 1GHz and 18~40GHz, the maximum output power mode and channel was tested.

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:		Engineering mode			
5150-5250 MHz Band:					
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5180	6Mbps	15	15
	Middle	5200	6Mbps	15	15
	Highest	5240	6Mbps	15	15
802.11n ht20	Lowest	5180	MCS0	12	12
	Middle	5200	MCS0	12	12
	Highest	5240	MCS0	12	12
802.11n ht40	Lowest	5190	MCS0	18	18
	Highest	5230	MCS0	18	18
802.11ac vht80	Middle	5210	MCS0	18	18
802.11ax he20	Lowest	5180	MCS0	12	12
	Middle	5200	MCS0	12	12
	Highest	5240	MCS0	12	12
802.11ax he40	Lowest	5190	MCS0	17	14
	Highest	5230	MCS0	17	14
802.11ax he80	Middle	5210	MCS0	18	18
5725-5850 MHz Band:					
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5745	6Mbps	19	13
	Middle	5785	6Mbps	18	12
	Highest	5825	6Mbps	18	12
802.11n ht20	Lowest	5745	MCS0	18	12
	Middle	5785	MCS0	18	12
	Highest	5825	MCS0	18	12
802.11n ht40	Lowest	5755	MCS0	18	12
	Highest	5795	MCS0	18	12
802.11ac vht80	Middle	5775	MCS0	18	12
802.11ax he20	Lowest	5745	MCS0	18	12
	Middle	5785	MCS0	18	12
	Highest	5825	MCS0	18	12
802.11ax he40	Lowest	5755	MCS0	18	12
	Highest	5795	MCS0	18	12
802.11ax he80	Middle	5775	MCS0	18	12
Note: 1.The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80/ax he20/ax he40/ax he80, the ac vht20/ac vht40 were reduced since the identical parameters with 802.11n ht20 and n 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. The device supports SISO in all modes, and MIMO 2T2R in 802.11n/ac/ax modes, per pretest, 2T2R mode was the worst mode and reported for 802.11n/ac/ax modes.					

3.3 Support Equipment List and Details

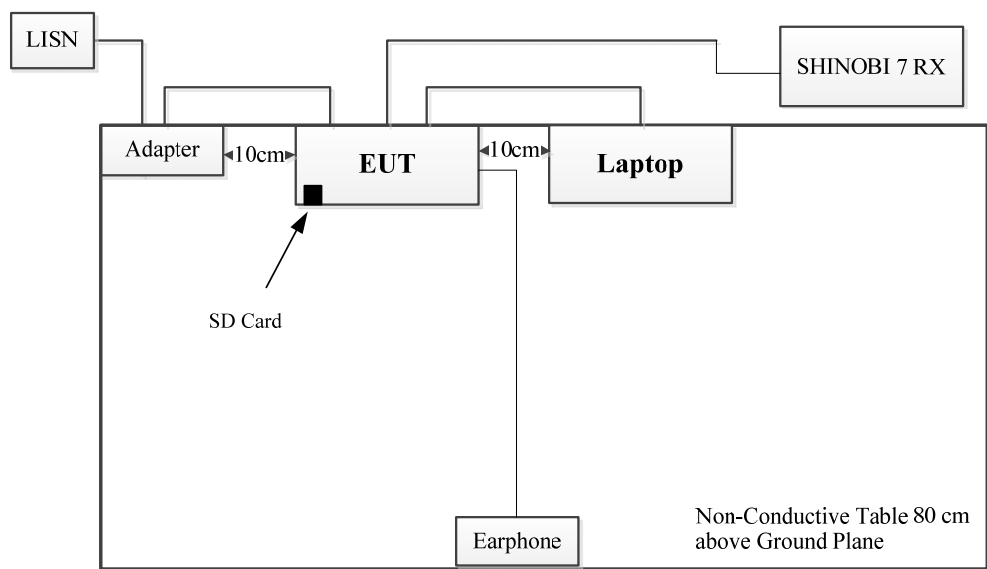
Manufacturer	Description	Model	Serial Number
Chicony Power Technology (Suzhou) Co.,Ltd.	Adapter(USB Port)	ADLX45YCC3A	8SSA10E75843C1SG982GDCE
/	Adapter(DC Port)	/	3452A1590823
DELL	Laptop	E6410	EMZBPC21103001
Keenion	Earphone	KDM-911	EMZBEP21103003B
Kingston	SD Card	SDS2/64G	07552-E01.A00LFTS
ATOMOS GLOBAL PTY LTD	SHINOBI 7 RX	ATOMSHBRX1	3ACD-2

3.4 Support Cable List and Details

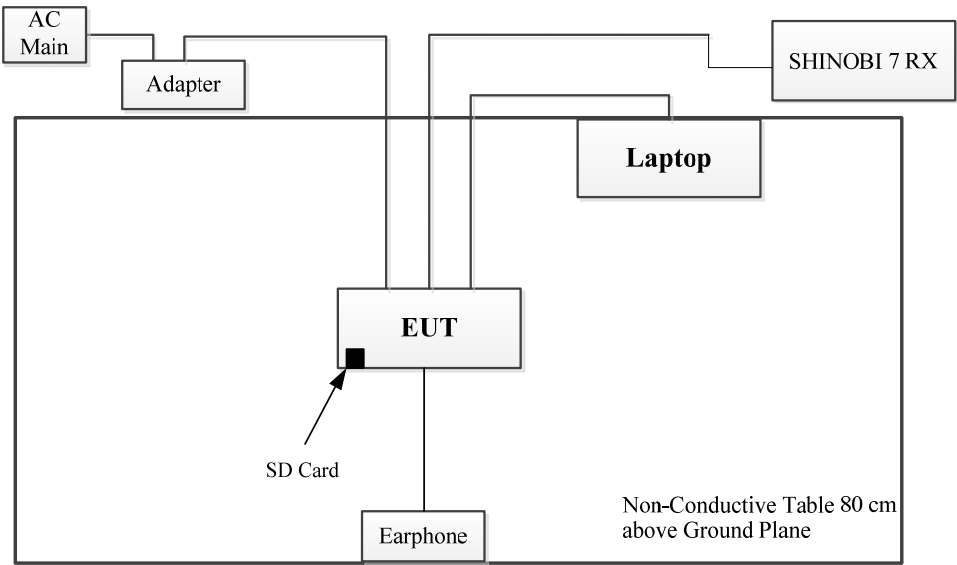
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
DC Cable	No	No	2	Adapter	EUT
Type-C Cable	No	No	2	Adapter	EUT
HDMI Cable	No	No	2.5	EUT	SHINOBI 7 RX
HDMI Cable	No	No	2.5	Laptop	EUT
Earphone Cable	No	No	2.2	EUT	Earphone

3.5 Block Diagram of Test Setup

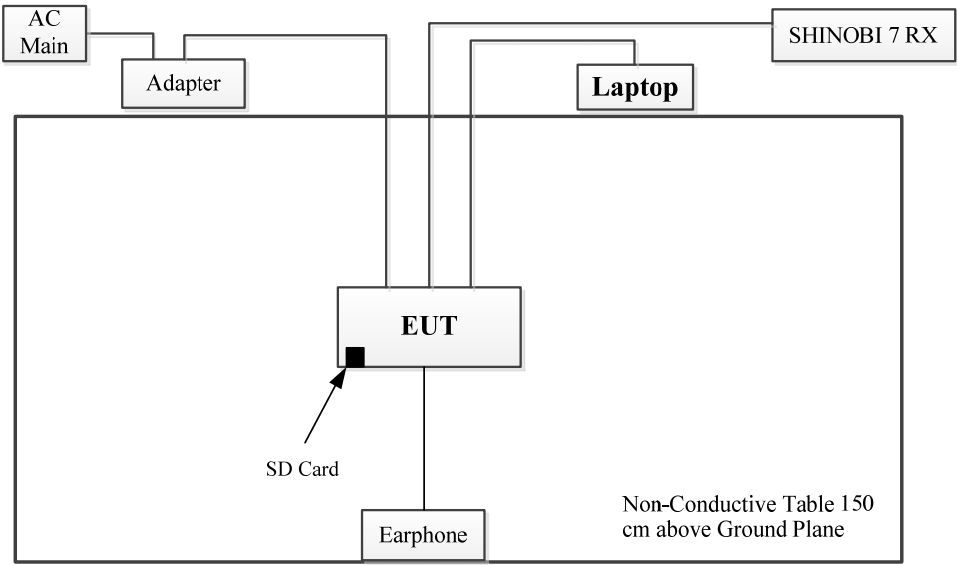
AC line conducted emissions:



Spurious Emissions:
Below 1GHz:



Above 1GHz:



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	±0.55 dB
Power Spectral Density, conducted	±0.55 dB
Unwanted Emissions, radiated	9kHz~30MHz: 3.06dB, 30MHz~1GHz: 6.13 dB, 1GHz~6GHz: 4.79 dB, 6GHz~18GHz: 4.63 dB, 18GHz~26.5GHz: 4.79 dB, 26.5GHz~40GHz: 4.63 dB
Unwanted Emissions, conducted	±2.47 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.83 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 μ H/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.

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	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 μ V within the frequency band 535-1705 kHz, as measured using a 50 μ H/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, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

RSS-Gen Clause 8.8

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

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

Table 4 – AC power-line conducted emissions limits

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 ¹	56 to 46 ¹
0.5 – 5	56	46
5 – 30	60	50

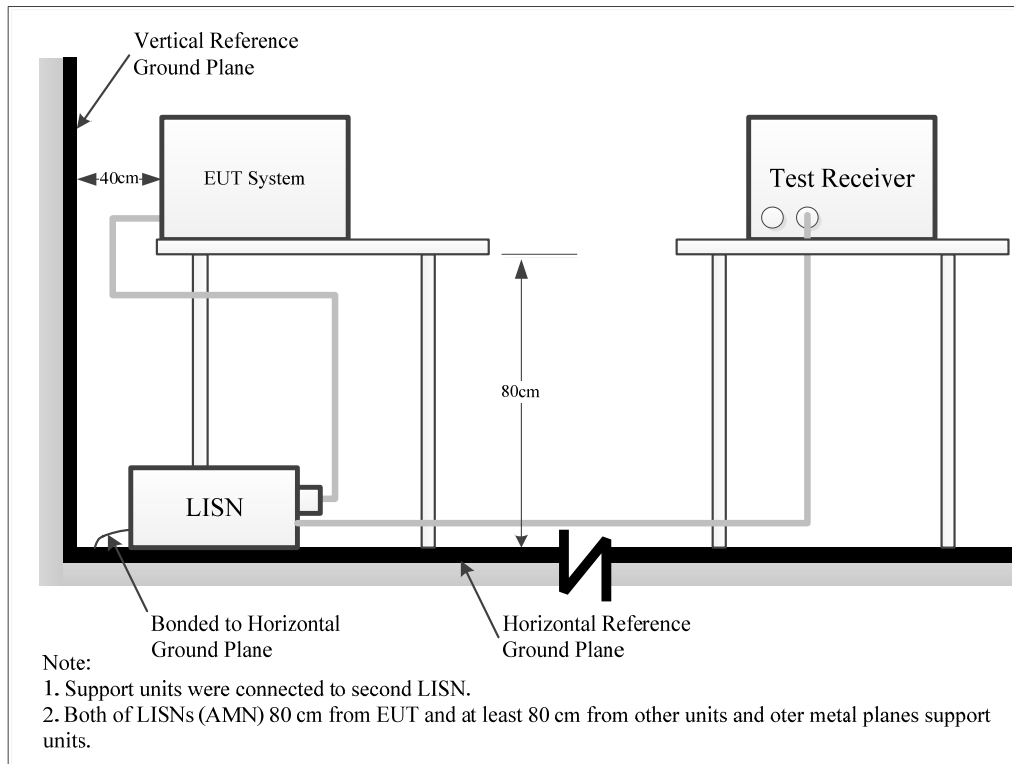
Note 1: The level decreases linearly with the logarithm of the frequency.

For an EUT with a permanent or detachable antenna operating between 150 kHz and 30 MHz, the AC power-line conducted emissions must be measured using the following configurations:

(a) Perform the AC power-line conducted emissions test with the antenna connected to determine compliance with the limits of table 4 outside the transmitter's fundamental emission band.

(b) Retest with a dummy load instead of the antenna to determine compliance with the limits of table 4 within the transmitter's fundamental emission band. For a detachable antenna, remove the antenna and connect a suitable dummy load to the antenna connector. For a permanent antenna, remove the antenna and terminate the RF output with a dummy load or network that simulates the antenna in the fundamental frequency band.

4.1.2 EUT Setup



The setup of EUT is according with per ANSI C63.10-2020 measurement procedure. The specification used was with the FCC Part 15.207, RSS-Gen limits.

The spacing between the peripherals was 10 cm.

The adapter or EUT was connected to the main LISN with a 120 V/60 Hz AC power source.

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.

Frequency band 5150-5250 MHz:

RSS-247 Clause 7.3.1.3

For transmitters with operating frequencies in the band 5150-5250 MHz:

- a. all emissions outside the 5150-5350 MHz band shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density;
- b. any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.
- c. if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing DFS (see section 7.3.6) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Frequency band 5250-5350 MHz:

RSS-247 Clause 7.3.2.3

Devices shall comply with the following:

- a. all emissions outside the band 5150-5350 MHz shall not exceed -27dBm/MHz peak e.i.r.p spectral density.
- b. all emissions inside the band 5150-5250 MHz shall either:
 - i. not exceed -27 dBm/MHz peak e.i.r.p spectral density, or
 - ii. comply with the power spectral density for operation in section 7.3.1.2.

Frequency bands 5470-5725 MHz:

RSS-247 Clause 7.3.3.3

Equipment operating in the bands 5470-5725 MHz shall comply with the following unwanted emission limits:

- a. for devices with fundamental emissions fully contained within the 5470-5725 MHz band, all unwanted emissions outside the band 5470-5725MHz shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density.
- b. for devices with bandwidth overlapping the band edge of 5725 MHz, all unwanted emissions shall not exceed -27 dBm/MHz peak e.i.r.p. spectral density at 5850 MHz instead of 5725 MHz.

Frequency band 5725-5850 MHz

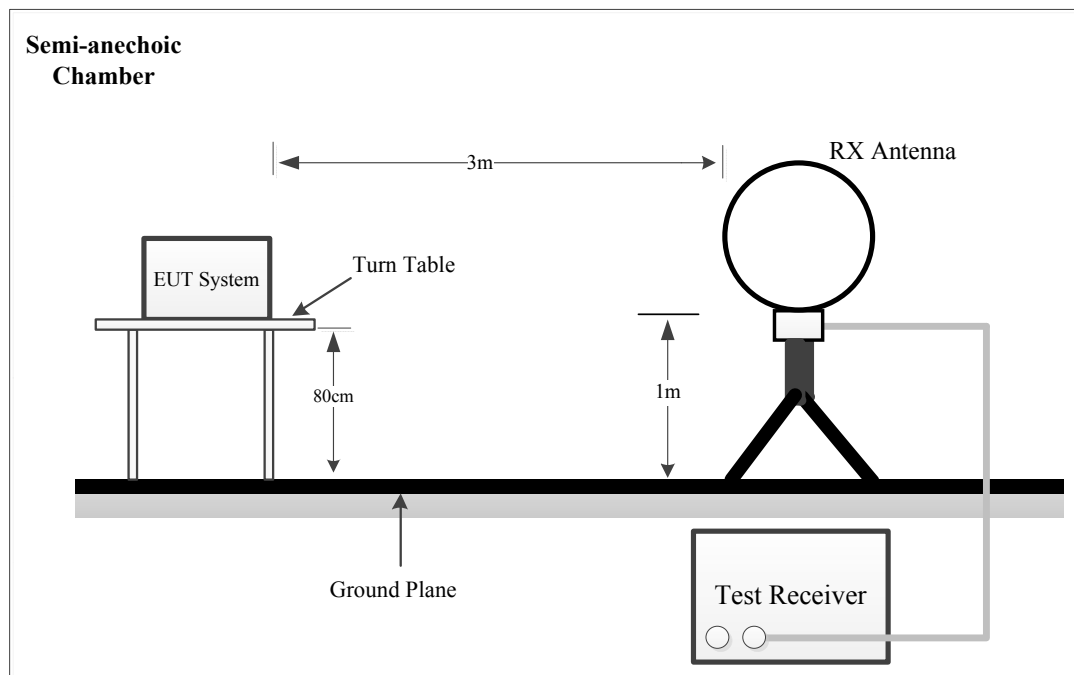
RSS-247 Clause 7.3.4.3

Equipment operating in the band 5725-5850 MHz shall comply with the following peak e.i.r.p. spectral density limits:

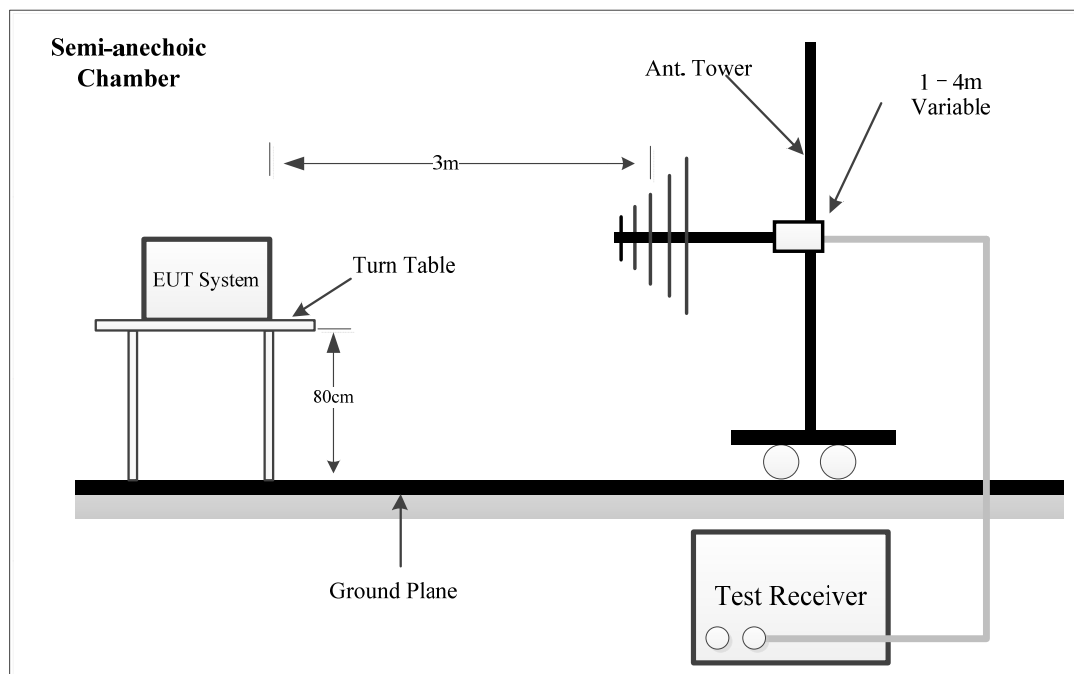
- a. 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b. 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c. 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d. -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

4.2.2 EUT Setup

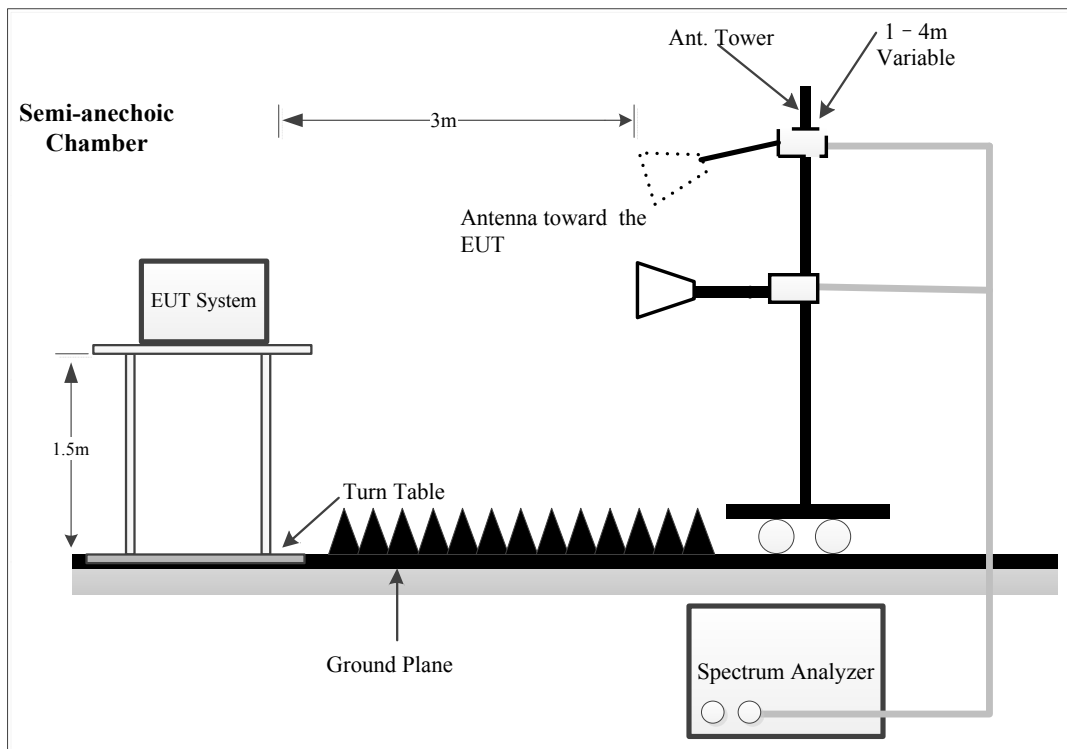
9kHz~30MHz:



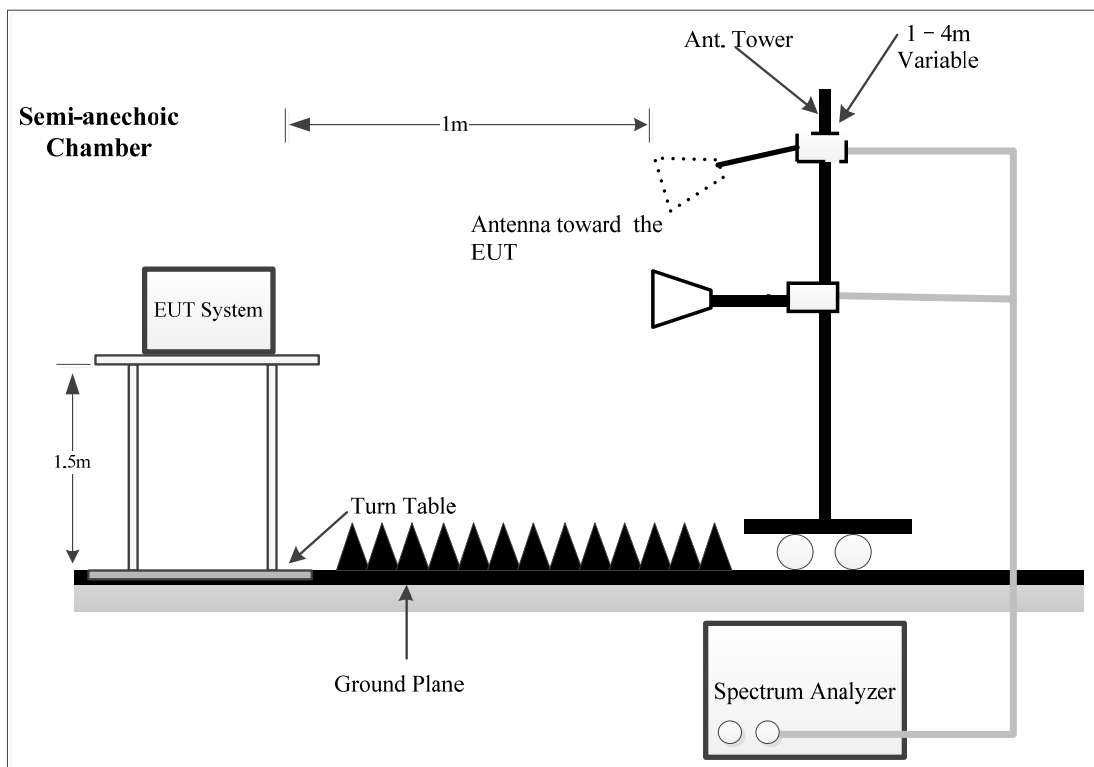
30MHz~1GHz:



1-18GHz:



18-40GHz:



The radiated emission tests were performed in the semi-anechoic chamber, using the setup accordance with the ANSI C63.10-2020. The specification used was FCC 15.209, FCC 15.407, RSS-247, RSS-Gen limits.

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	200 Hz	1 kHz	200 Hz	QP/AV
150 kHz – 30 MHz	QP/AV	9 kHz	30 kHz	9 kHz	QP/AV
30MHz – 1000 MHz	PK	120 kHz	500 kHz	/	PK
	QP	/	/	120kHz	QP

1GHz- 40GHz:

Pre-scan:

Frequency Range	Measurement	RBW	Video B/W	Detector
Above 1 GHz	Peak	1MHz	3 MHz	PK
	AV	1MHz	5kHz	PK

Final measurement for emission identified during the pre-scan:

Measurement	Detector	Duty cycle	RBW	Video B/W
PK	PK	Any	1MHz	3 MHz
Ave.	PK	>98%	1MHz	10 Hz
		<98%	1MHz	$\geq 1/T$

Note: T is minimum transmission duration

4.2.4 Test Procedure

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.

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

For Radiated 18-40GHz test, which was performed at 1.0 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 1.0m
Distance extrapolation Factor = $20 \log (\text{specific distance} [3m]/\text{test distance} [1.0m])$ dB = 9.54 dB

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

4.2.5 Corrected Result & Margin Calculation

$$E_{Log} = 20 \times \log_{10}(E_{Linear})$$

E_{Linear} is the field strength of the emission, in $\mu\text{V/m}$

E_{Log} is the field strength of the emission, in $\text{dB}\mu\text{V/m}$

For 9kHz-30MHz test, test distance is 3m, extrapolation limit shall be calculated using Equation:

$$E_{\text{limit-measure}} = E_{\text{limit-Standard}} + 40 \times \log_{10} (d_{\text{standard}}/d_{\text{measure}})$$

The basic equation except 18-40GHz test is as follows:

Factor = Antenna Factor + Cable Loss- Amplifier Gain

For Radiated 18-40GHz 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

For the spurious emission below 30MHz, the limit was converted from $\text{dB}\mu\text{A/m}$ to $\text{dB}\mu\text{V/m}$ by adding 51.5 dB.

4.2.6 Test Result

Please refer to section 5.2.

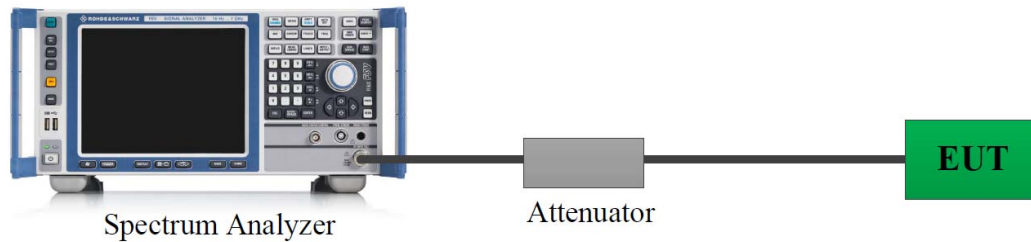
4.3 26dB Attenuated Below the Channel Power

4.3.1 Applicable Standard

RSS-247 Clause 7.3.1.3

b. any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.

4.3.2 EUT Setup



4.3.3 Test Procedure

- Set $RBW = 1\% \sim 5\%$ of the emission bandwidth.
- Set the $VBW > RBW$.
- Detector = RMS.
- Trace mode = max hold
- Measure the emission attenuated below the channel power

4.3.4 Test Result

Please refer to section 5.3.

4.4 Emission Bandwidth

4.4.1 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.

RSS-247 Clause 7.3.1.3

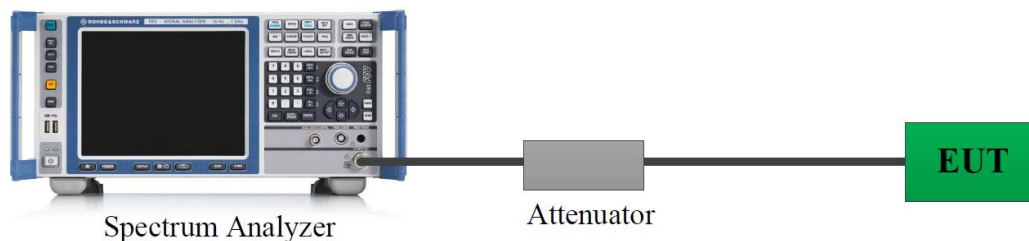
b. any unwanted emissions that falls between the upper edge of the 26 dB bandwidth and 5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth.

c. if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing DFS (see section 7.3.6) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

RSS-247 Clause 7.3.4.2

For equipment operating in the band 5725-5850 MHz, the 6 dB bandwidth shall be at least 500 kHz.

4.4.2 EUT Setup



4.4.3 Test Procedure

26dB Emission Bandwidth:

According to ANSI C63.10-2020 Section 12.5.2

- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max hold.
- 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 in the range of 1% to 5%.

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 C63.10-2020 Section 12.5.3&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 4.1.6.2.
- 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).

4.4.4 Test Result

Please refer to section 5.4 and section 5.5.

4.5 Maximum Conducted Output Power

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) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. 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.

RSS-247 Clause 7.3.1.2

Frequency band 5150-5250 MHz:

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed the lesser of:

a. 30 mW; or

b. $1.76 + 10 \log_{10} B$, dBm.

OEM devices installed in vehicles with a maximum e.i.r.p. greater than 15 mW shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For all other devices the maximum e.i.r.p. spectral density shall not exceed 10dBm/MHz. The maximum e.i.r.p. shall not exceed the lesser of:

a. 200 mW; or

b. $10 + 10 \log_{10} B$, dBm.

RSS-247 Clause 7.3.2.2**Frequency band 5250-5350 MHz:**

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed the lesser of:

- a. 30 mW; or
- b. $1.76 + 10 \log_{10} B$, dBm.

OEM devices installed in vehicles with a maximum e.i.r.p. greater than 15 mW shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

All other devices shall comply with the following:

a. the maximum power spectral density shall not exceed 11 dBm/MHz and the maximum conducted output power shall not exceed the lesser of:

- i. 250 mW; or
- ii. $11 + 10 \log_{10} B$, dBm.

b. the maximum e.i.r.p. shall not exceed the lesser of:

- i. 1.0 W; or
- ii. $17 + 10 \log_{10} B$, dBm.

c. Devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 7.3.3.2**Frequency band 5470-5725 MHz:**

Equipment operating in the band 5470-5725 MHz band shall comply with the following power limits:

a. the maximum conducted output power shall not exceed the lesser of:

- i. 250 mW; or
- ii. $11 + 10 \log_{10} B$, dBm.

b. the maximum power spectral density shall not exceed 11 dBm/MHz.

c. the maximum e.i.r.p. shall not exceed the lesser of:

- i. 1.0 W; or
- ii. $17 + 10 \log_{10} B$, dBm.

d. equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 7.3.4.3**Frequency band 5725-5850 MHz:**

Equipment operating in the band 5725-5850 shall comply with the following power limits:

a. the maximum conducted output power shall not exceed 1 W; and

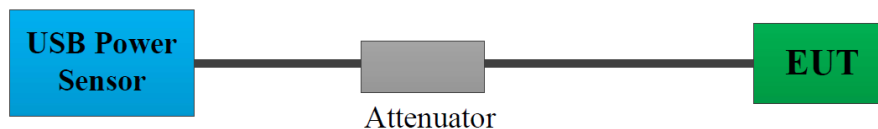
b. the maximum output power spectral density shall not exceed 30dBm/500 kHz.

When using transmitting antennas with a directional gain exceeding 6 dBi, the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

However, FFTP devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter maximum conducted output power and the power spectral density. FFTP operations exclude the use of PTMP systems, omnidirectional applications and multiple collocated transmitters transmitting the same information. However, remote stations of PTMP systems shall be permitted to operate at e.i.r.p. greater than 4 W under the same conditions as for FFTP systems.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

4.5.2 EUT Setup



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

Offset=Insert loss of RF cable+ Insert loss of attenuator

4.5.3 Test Procedure

According to ANSI C63.10-2020 Section 12.4.3.2

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.

4.5.4 Test Result

Please refer to section 5.6.

4.6 Maximum Power Spectral Density

4.6.1 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) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. 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.

RSS-247 Clause 7.3.1.2

Frequency band 5150-5250 MHz:

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed the lesser of:

a. 30 mW; or

b. $1.76 + 10 \log_{10} B$, dBm.

OEM devices installed in vehicles with a maximum e.i.r.p. greater than 15 mW shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For all other devices the maximum e.i.r.p. spectral density shall not exceed 10 dBm/MHz. The maximum e.i.r.p. shall not exceed the lesser of:

a. 200 mW; or

b. $10 + 10 \log_{10} B$, dBm.

RSS-247 Clause 7.3.2.2**Frequency band 5250-5350 MHz:**

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed the lesser of:

- a. 30 mW; or
- b. $1.76 + 10 \log_{10} B$, dBm.

OEM devices installed in vehicles with a maximum e.i.r.p. greater than 15 mW shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

All other devices shall comply with the following:

a. the maximum power spectral density shall not exceed 11 dBm/MHz and the maximum conducted output power shall not exceed the lesser of:

- i. 250 mW; or
- ii. $11 + 10 \log_{10} B$, dBm.

b. the maximum e.i.r.p. shall not exceed the lesser of:

- i. 1.0 W; or
- ii. $17 + 10 \log_{10} B$, dBm.

c. Devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 7.3.3.2**Frequency band 5470-5725 MHz:**

Equipment operating in the band 5470-5725 MHz band shall comply with the following power limits:

a. the maximum conducted output power shall not exceed the lesser of:

- i. 250 mW; or
- ii. $11 + 10 \log_{10} B$, dBm.

b. the maximum power spectral density shall not exceed 11 dBm/MHz.

c. the maximum e.i.r.p. shall not exceed the lesser of:

- i. 1.0 W; or
- ii. $17 + 10 \log_{10} B$, dBm.

d. equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

RSS-247 Clause 7.3.4.3**Frequency band 5725-5850 MHz:**

Equipment operating in the band 5725-5850 shall comply with the following power limits:

a. the maximum conducted output power shall not exceed 1 W; and

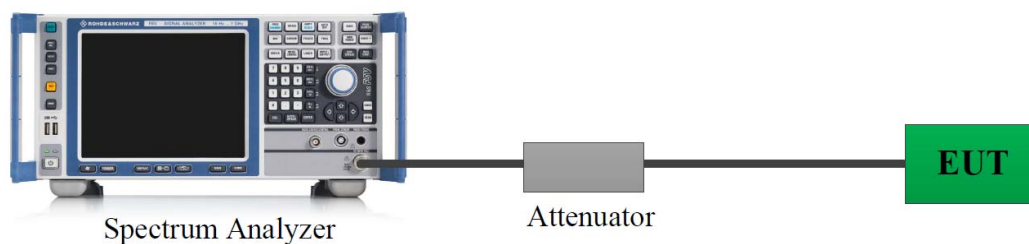
b. the maximum output power spectral density shall not exceed 30dBm/500 kHz.

When using transmitting antennas with a directional gain exceeding 6 dBi, the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

However, FFTP devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter maximum conducted output power and the power spectral density. FFTP operations exclude the use of PTMP systems, omnidirectional applications and multiple collocated transmitters transmitting the same information. However, remote stations of PTMP systems shall be permitted to operate at e.i.r.p. greater than 4 W under the same conditions as for FFTP systems.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

4.6.2 EUT Setup



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

Offset=Insert loss of RF cable+ Insert loss of attenuator

4.6.3 Test Procedure

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

Duty cycle $\geq 98\%$

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 $\pm 2\%$

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

Duty cycle $< 98\%$, duty cycle variations exceed $\pm 2\%$

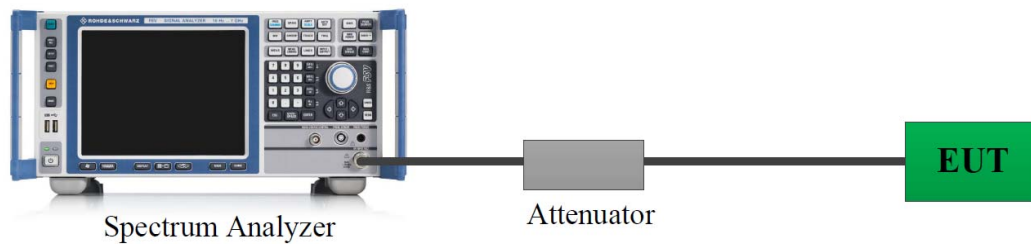
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

4.6.4 Test Result

Please refer to section 5.7.

4.7 Duty Cycle

4.7.1 EUT Setup



4.7.2 Test Procedure

According to ANSI C63.10-2020 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 $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. 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 $T \leq 16.7 \mu s$.)

4.7.3 Judgment

Report Only. Please refer to section 5.8.

4.8 Antenna Requirement

4.8.1 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.

RSS-Gen Clause 6.8

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

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

When measurements at the antenna port are used to determine the RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna's manufacturer. The test report shall state the RF power, output power setting and spurious emission measurements with each antenna type that is used with the transmitter being tested.

For licence-exempt equipment with detachable antennas, the user manual shall also contain the following notice in a conspicuous location:

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

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

4.8.2 Judgment

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

4.9 Additional requirement

4.9.1 Applicable Standard

According to RSS-247 Clause 7.3.7 Additional Requirements

The following requirements shall apply:

the device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. A description on how this is done shall accompany the application for equipment certification. Note that this is not intended to prohibit transmission of control or signalling information or the use of repetitive codes where required by the technology.

all LE-LAN devices must contain security features to protect against modification of software by unauthorized parties.

Manufacturers must implement security features in any digitally modulated devices capable of operating in any of the frequency ranges within the 5 GHz band, so that third parties are not able to reprogram the device to operate outside the parameters for which the device was certified. The software must prevent the user from operating the transmitter with operating frequencies, output power, modulation types or other radio frequency parameters outside those that were approved for the device. Manufacturers may use various means, including the use of a private network that allows only authenticated users to download software, electronic signatures in software or coding in hardware that is decoded by software to verify that new software can be legally loaded into a device to meet these requirements and must describe the methods in their application for equipment certification.

Manufacturers must take steps to ensure that DFS functionality cannot be disabled by the operator of the LE-LAN device.

the user manual for LE-LAN devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:

any devices capable of operating in the band 5150–5250 MHz shall only be used indoors to reduce the potential for harmful interference to co-channel mobile satellite systems (this requirement does not apply to OEM devices installed in vehicles by vehicle manufacturers);

for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;

for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits as appropriate; and

where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 7.3.2.4 or 7.3.5.3 shall be clearly indicated.

4.9.2 Judgment

RSS-247 Clause 7.3.7 a:

The device shall automatically discontinue transmission in cases of absence of information to transmit, or operational failure. Please refer to the declaration

RSS-247 Clause 7.3.7 b:

The devices must contain security features to protect against modification of software by unauthorized parties. Please refer to the declaration

RSS-247 Clause 7.3.7 c:

The device operates on 5150-5250MHz is only for indoor use.

The device not operates on 5250-5350MHz/5470-5725MHz.

The antenna uses a unique coupling to the device, and all the EIRP compliance with RSS-247 requirement. Please refer to the conducted output power test result.

The device EIRP less than 200mW (23 dBm).

5. Test DATA AND RESULTS

5.1 AC Line Conducted Emissions

Serial Number:	3ACD-3	Test Date:	2025/11/26
Test Site:	CE	Test Mode:	Transmitting
Tester:	Yolo Fan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2	Relative Humidity: (%)	35	ATM Pressure: (kPa)	101.4
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2025/6/25	2026/6/24
Unknown	Coaxial Cable	RG 142	C-0200-05	2025/5/6	2026/5/5
R&S	EMI Test Receiver	ESCI	100224	2025/6/25	2026/6/24
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).

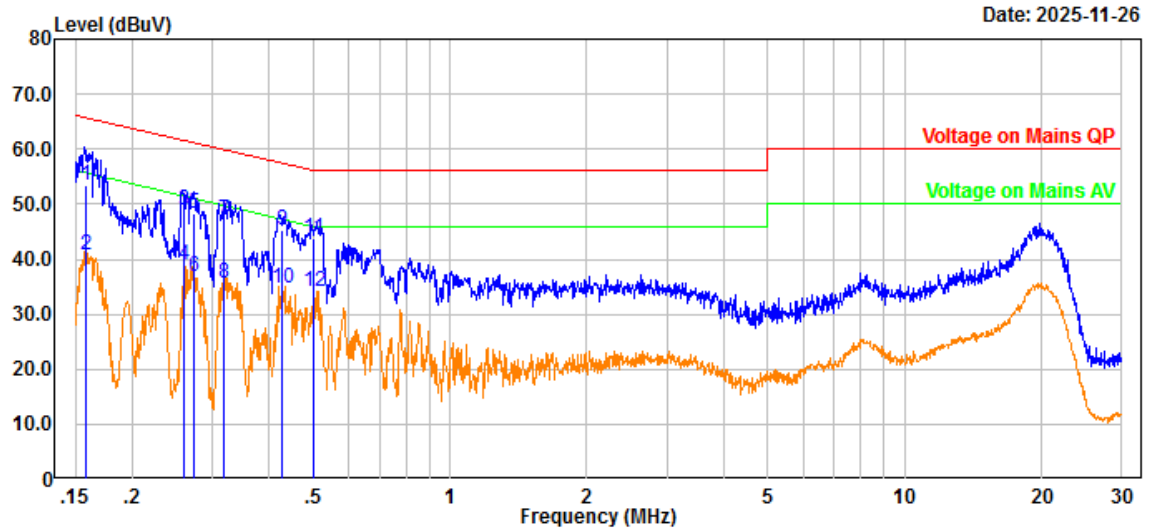
Test Data:

Please refer to the below plots.

Note: 802.11a 5825MHz Chain 0 was tested.

Project No.: 2502X02056E-RF
Port: Line
Test Mode: Transmitting
IF B/W 9kHz PK/AV

Serial No.: 3ACD-3
Tester: Yolo Fan
Note: 5G WIFI

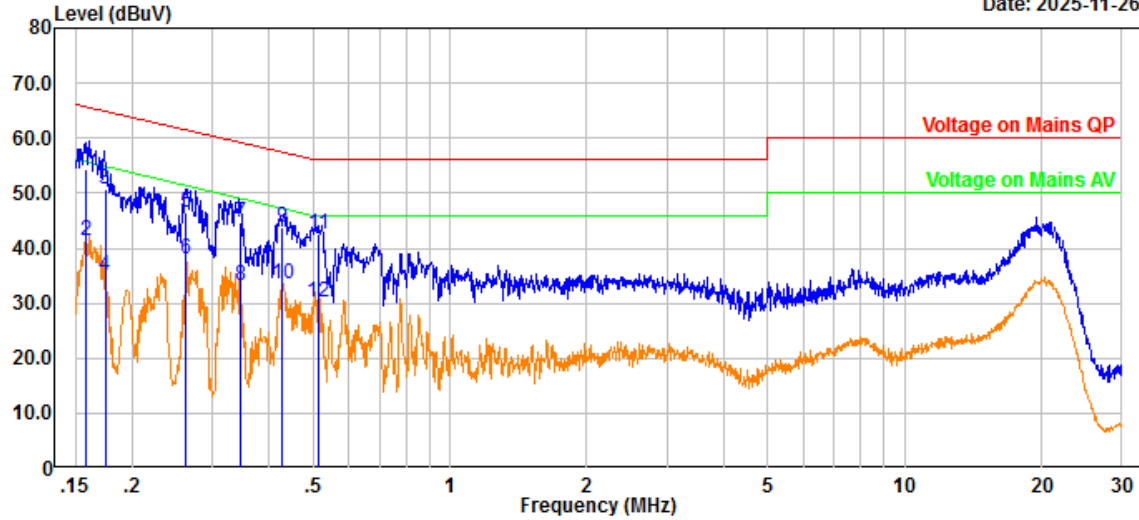


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.158	42.44	11.14	53.58	65.57	11.99	QP
2	0.158	29.52	11.14	40.66	55.57	14.91	Average
3	0.261	38.06	10.76	48.82	61.41	12.59	QP
4	0.261	28.04	10.76	38.80	51.41	12.61	Average
5	0.274	37.66	10.75	48.41	61.00	12.59	QP
6	0.274	26.21	10.75	36.96	51.00	14.04	Average
7	0.318	36.28	10.72	47.00	59.75	12.75	QP
8	0.318	24.98	10.72	35.70	49.75	14.05	Average
9	0.429	34.58	10.66	45.24	57.28	12.04	QP
10	0.429	24.09	10.66	34.75	47.28	12.53	Average
11	0.501	33.17	10.61	43.78	56.00	12.22	QP
12	0.501	23.36	10.61	33.97	46.00	12.03	Average

Project No.: 2502X02056E-RF
Port: neutral
Test Mode: Transmitting
IF B/W 9kHz PK/AV

Serial No.: 3ACD-3
Tester: Yolo Fan
Note: 5G WIFI

Date: 2025-11-26



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.158	43.66	10.73	54.39	65.58	11.19	QP
2	0.158	30.70	10.73	41.43	55.58	14.15	Average
3	0.174	40.02	10.80	50.82	64.75	13.93	QP
4	0.174	24.28	10.80	35.08	54.75	19.67	Average
5	0.263	35.64	10.82	46.46	61.34	14.88	QP
6	0.263	27.08	10.82	37.90	51.34	13.44	Average
7	0.345	34.08	10.71	44.79	59.07	14.28	QP
8	0.345	22.57	10.71	33.28	49.07	15.79	Average
9	0.428	33.11	10.61	43.72	57.29	13.57	QP
10	0.428	22.83	10.61	33.44	47.29	13.85	Average
11	0.512	32.10	10.50	42.60	56.00	13.40	QP
12	0.512	19.70	10.50	30.20	46.00	15.80	Average

5.2 Radiation Spurious Emissions

1) 9kHz - 1GHz

Serial Number:	3ACD-5	Test Date:	2025/12/25
Test Site:	Chamber A	Test Mode:	Transmitting
Tester:	Jayce Wang	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	24.8	Relative Humidity: (%)	46	ATM Pressure: (kPa)	101.1

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	A060611-2	2024/4/16	2027/4/15
Narda	Coaxial Attenuator	757C-6dB	34010	2024/4/16	2027/4/15
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2025/7/1	2026/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2025/7/1	2026/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2025/7/1	2026/6/30
Sonoma	Amplifier	310N	372193	2025/7/30	2026/7/29
R&S	EMI Test Receiver	ESCI	100035	2025/6/25	2026/6/24
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).

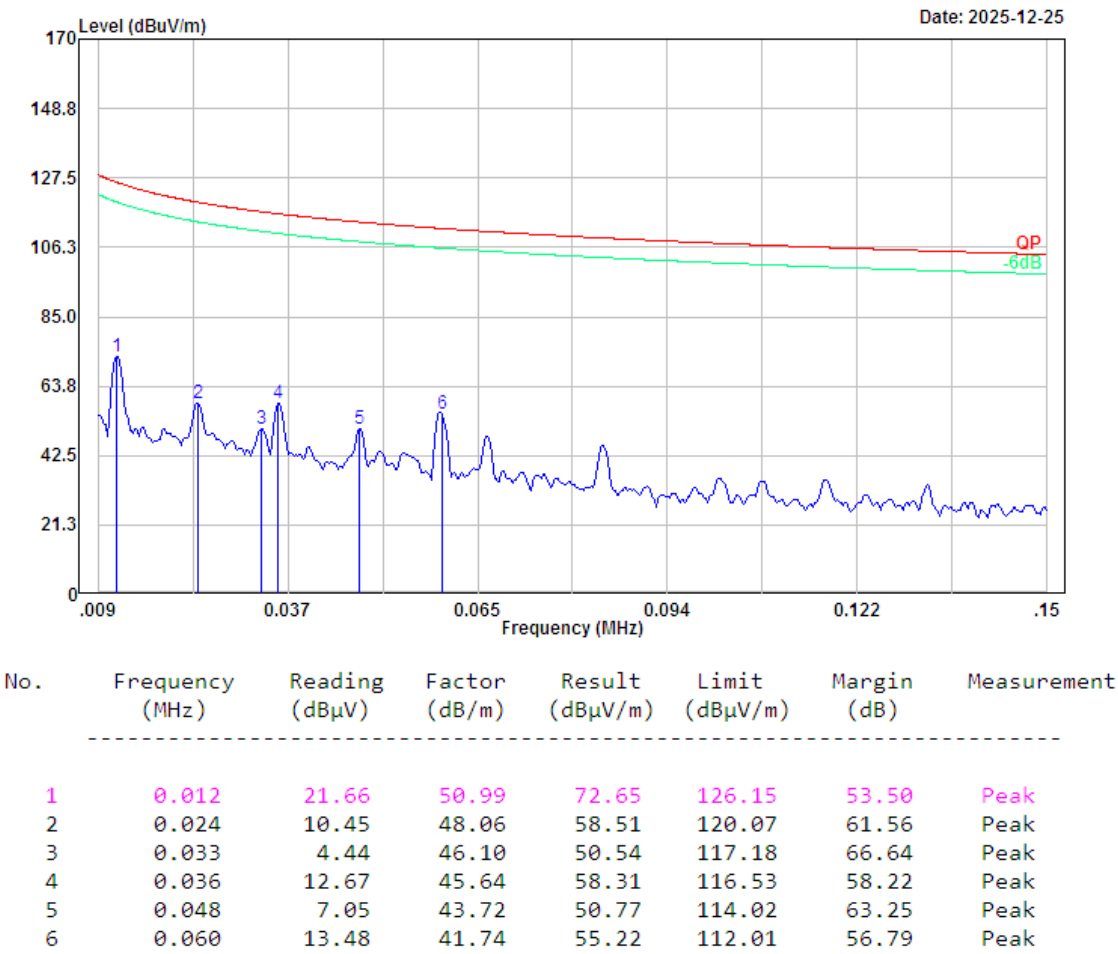
Test Data:
Please refer to the below plots.

Note: 802.11a 5825MHz Chain 0 was tested.

9kHz~30MHz
Three antenna orientations (parallel, perpendicular, and ground-parallel) was measured, the worst orientations was below:

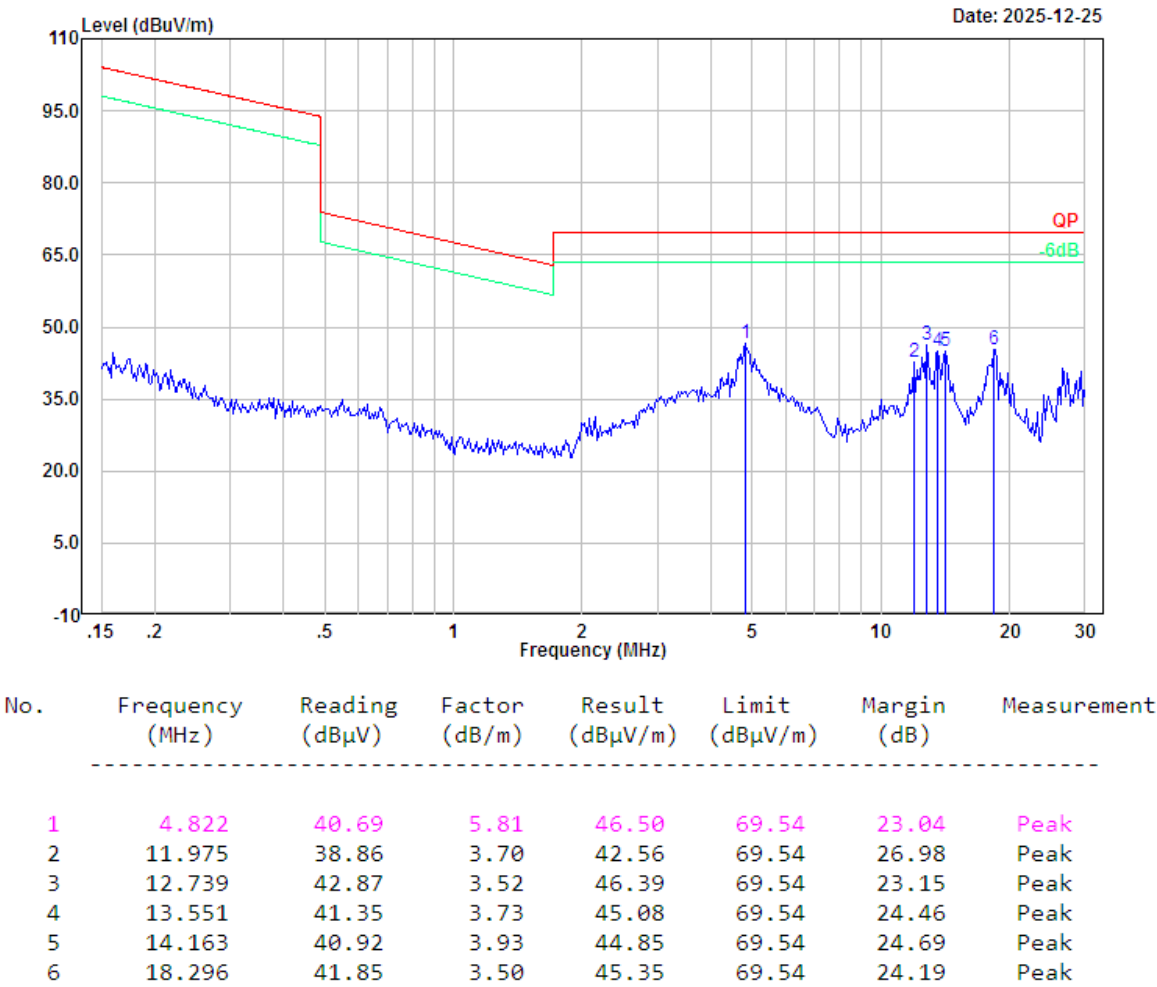
Project No.: 2502X02056E-RF
Polarization: Parallel
Test Mode: Transmitting
Note: 5G WIFI
BRW:9kHz,VBW:30kHz

Serial No.: 3ACD-5
Tester: Jayce Wang



Project No.: 2502X02056E-RF
Polarization: Parallel
Test Mode: Transmitting
Note: 5G WIFI
BRW:9kHz,VBW:30kHz

Serial No.: 3ACD-5
Tester: Jayce Wang



30MHz-1GHz

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

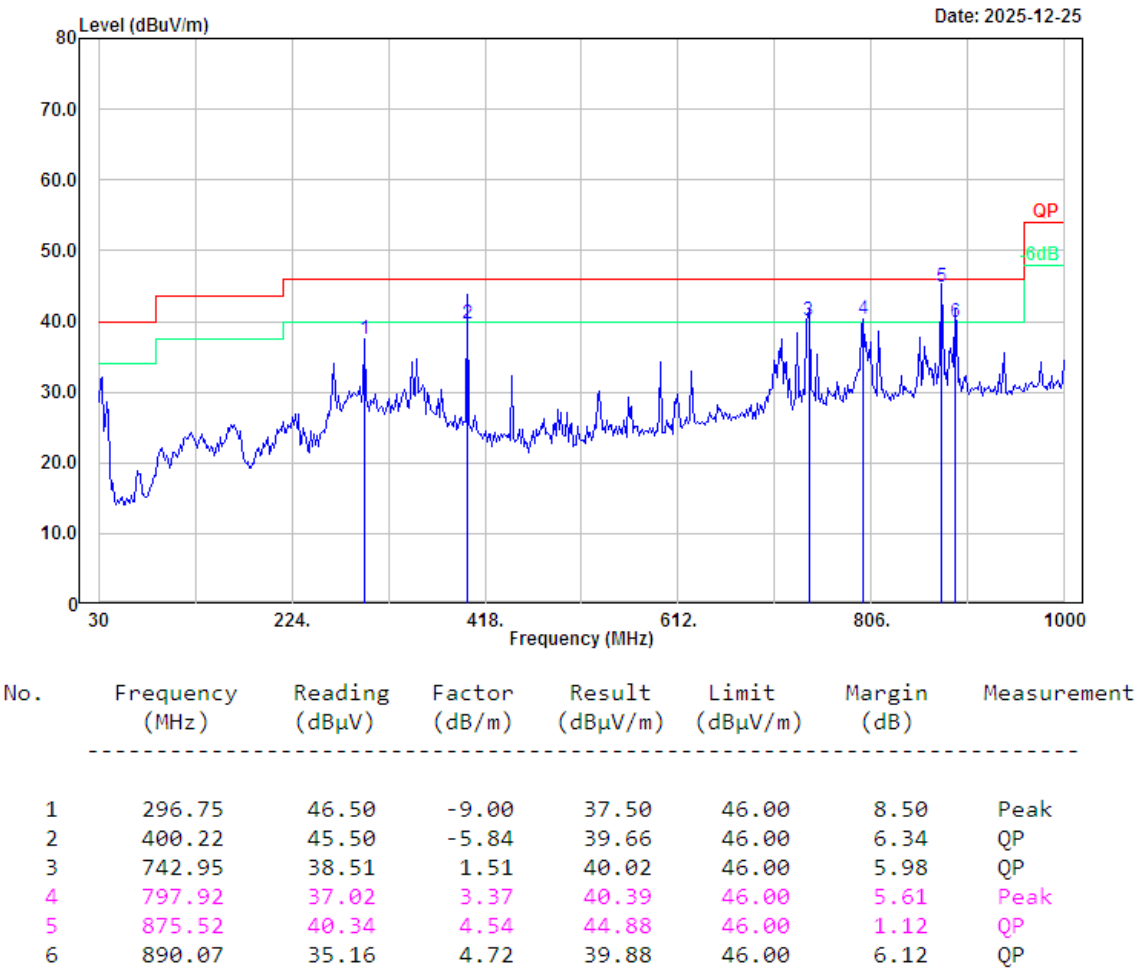
Polarization: Horizontal

Tester: Jayce Wang

Test Mode: Transmitting

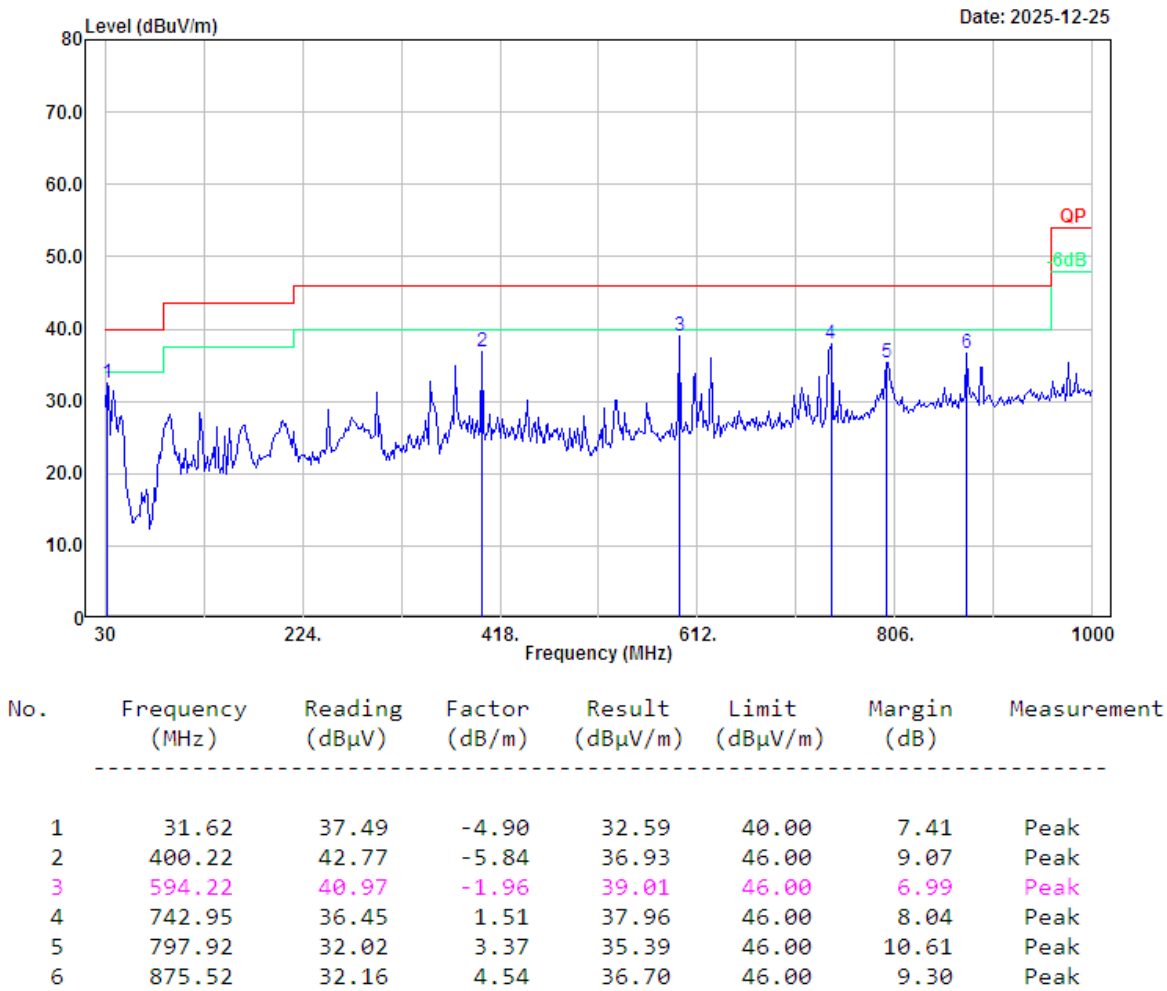
Note: 5G WIFI

RBW:120kHz,VBW:500kHz



Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 5G WIFI
RBW:120kHz,VBW:500kHz

Serial No.: 3ACD-5
Tester: Jayce Wang



2) 1-40GHz:

Serial Number:	3ACD-5	Test Date:	2025/11/20-2025/11/27
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Willem Qiu, Alan Xie	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	231.5~23.6	Relative Humidity: (%)	28~30	ATM Pressure: (kPa)	101.4~101.9

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	2025/11/17	2026/11/16
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	2025/4/11	2026/4/10
AH	Preamplifier	PAM-1840VH	191	2025/7/31	2026/7/30
R&S	Spectrum Analyzer	FSV40	101944	2025/8/8	2026/8/7
Audix	Test Software	E3	191218 V9	N/A	N/A
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FSU	DS79902 & DS79905	2025/8/25	2026/8/24

* 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 plots.

1-18GHz:

5150-5250MHz:

802.11a, Chain 0, Low Channel, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a,U-NII-1 low channel 5180MHz Chain0
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Alan Xie

Date: 2025-11-27

Fundamental test with Filter Switch Unit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5924.70	50.09	0.41	50.50	68.20	17.70	Peak

802.11a, Chain 0, Low Channel, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a,U-NII-1 low channel 5180MHz Chain0
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Alan Xie

Date: 2025-11-27

Fundamental test with Filter Switch Unit

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4998.50	52.46	-1.87	50.59	74.00	23.41	Peak

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a,U-NII-1 low channel 5180MHz Chain0
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3ACD-5
Tester: Alan Xie

Date: 2025-11-27

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10360.00	47.20	2.29	49.49	68.20	18.71	Peak
2	15540.00	47.98	3.87	51.85	74.00	22.15	Peak
3	17963.20	48.40	11.03	59.43	74.00	14.57	Peak
4	17963.20	36.37	11.03	47.40	54.00	6.60	Average

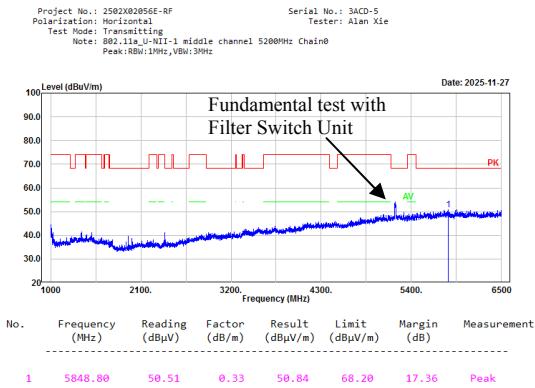
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a,U-NII-1 low channel 5180MHz Chain0
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3ACD-5
Tester: Alan Xie

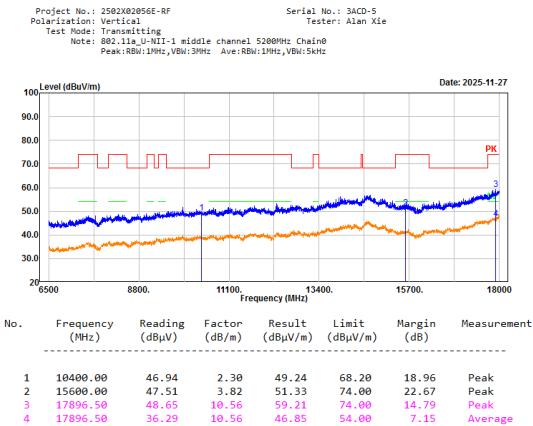
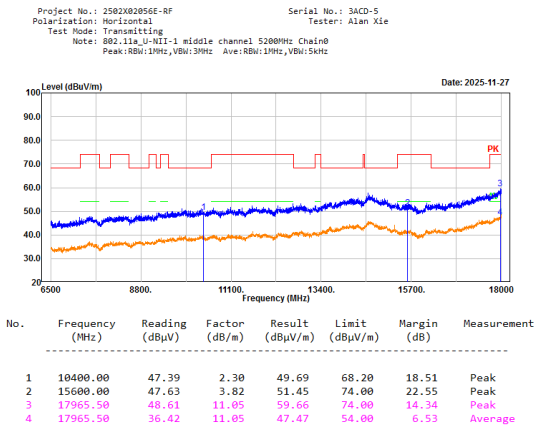
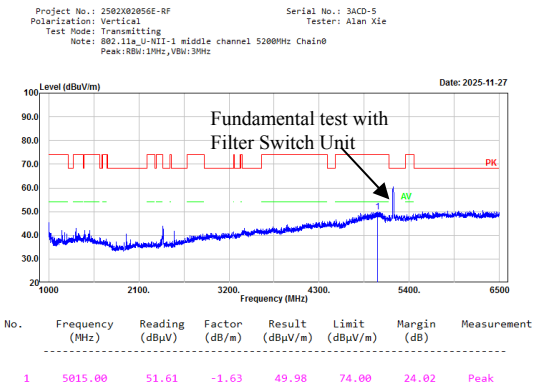
Date: 2025-11-27

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10360.00	46.70	2.29	48.99	68.20	19.21	Peak
2	15540.00	47.69	3.87	51.56	74.00	22.44	Peak
3	17988.50	47.86	11.21	59.07	74.00	14.93	Peak
4	17988.50	36.25	11.21	47.46	54.00	6.54	Average

802.11a, Chain 0, Middle Channel, Horizontal



802.11a, Chain 0, Middle Channel, Vertical



802.11a, Chain 0, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11a_U-NII-1 high channel 5240MHz Chain0

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

AV

PK

40.0

50.0

60.0

70.0

80.0

90.0

100

20

1000

2100

3200

4300

5400

6500

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6276.70	50.51	0.29	50.80	68.20	17.40	Peak

802.11a, Chain 0, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11a_U-NII-1 high channel 5240MHz Chain0

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

AV

PK

40.0

50.0

60.0

70.0

80.0

90.0

100

20

1000

2100

3200

4300

5400

6500

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5050.20	52.24	-1.80	50.44	74.00	23.56	Peak

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11a_U-NII-1 high channel 5240MHz Chain0

Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

40.0

50.0

60.0

70.0

80.0

90.0

100

20

6500

8800

11100

13400

15700

18000

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	46.65	2.33	48.98	68.20	19.22	Peak
2	15720.00	47.38	3.59	50.97	74.00	23.03	Peak
3	17997.70	48.35	11.28	59.63	74.00	14.37	Peak
4	17997.70	36.37	11.28	47.65	54.00	6.35	Average

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11a_U-NII-1 high channel 5240MHz Chain0

Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

40.0

50.0

60.0

70.0

80.0

90.0

100

20

6500

8800

11100

13400

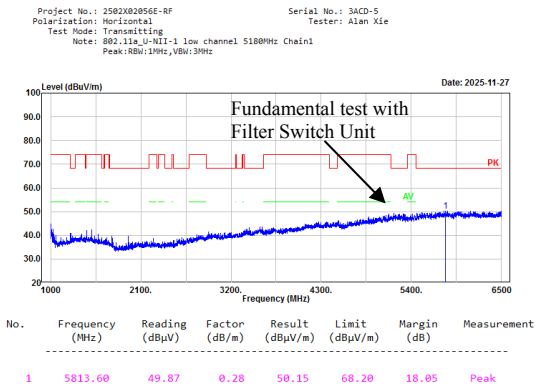
15700

18000

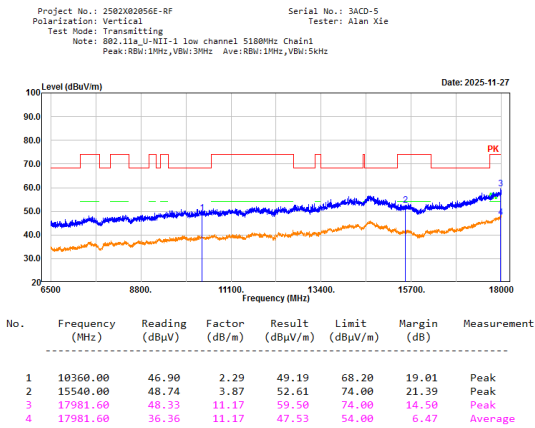
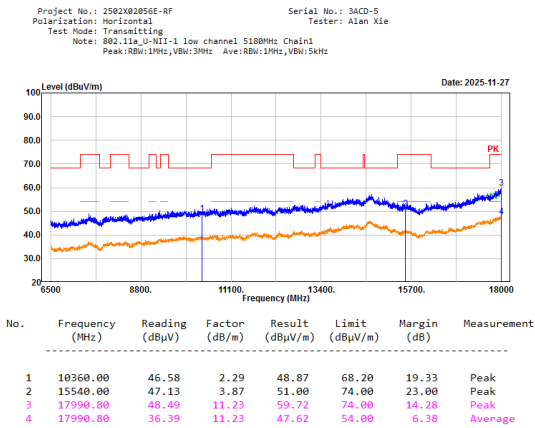
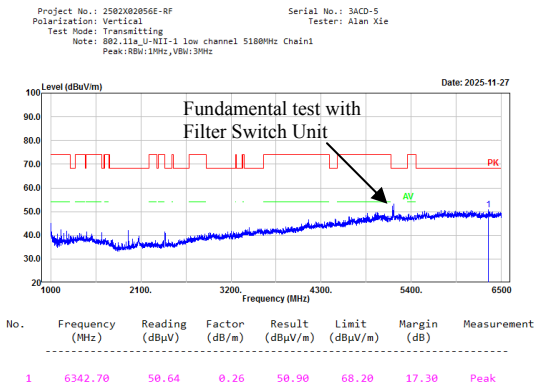
Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	47.21	2.33	49.54	68.20	18.66	Peak
2	15720.00	47.23	3.59	50.82	74.00	23.18	Peak
3	17871.20	48.56	10.33	58.89	74.00	15.11	Peak
4	17871.20	36.44	10.33	46.77	54.00	7.23	Average

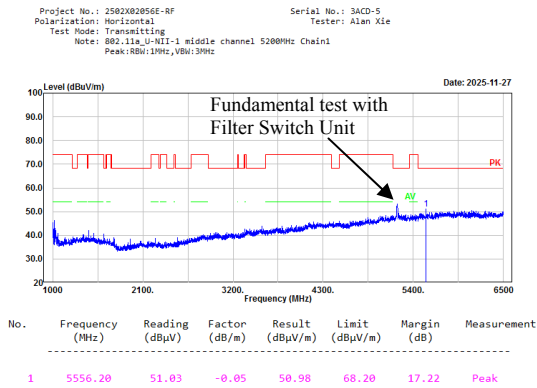
802.11a, Chain 1, Low Channel, Horizontal



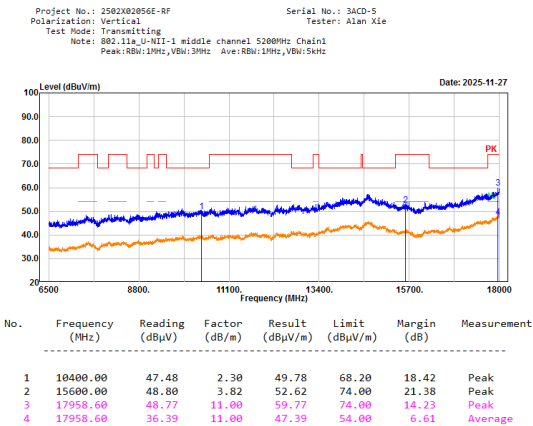
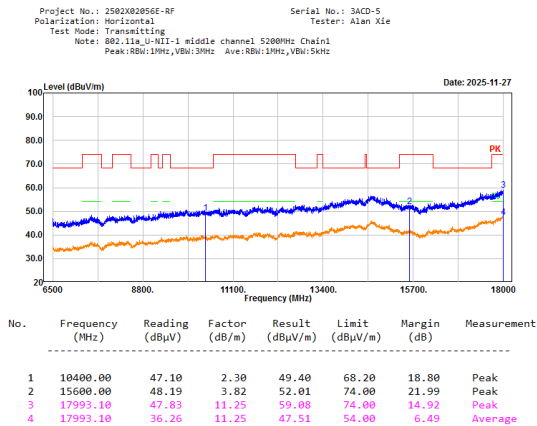
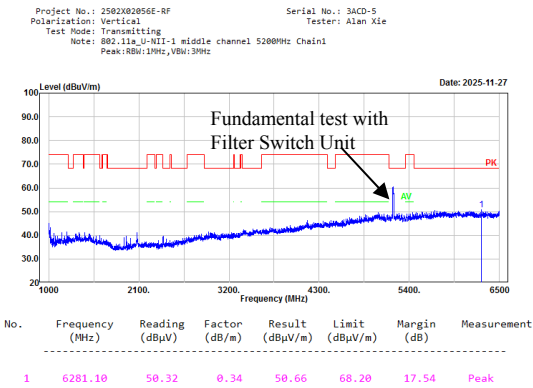
802.11a, Chain 1, Low Channel, Vertical



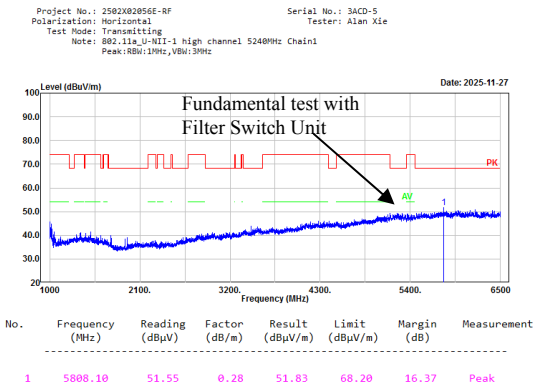
802.11a, Chain 1, Middle Channel, Horizontal



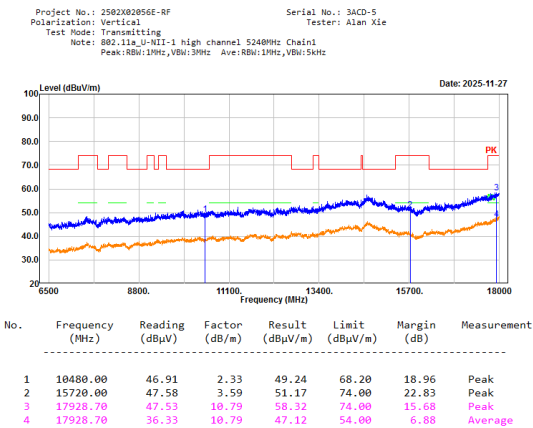
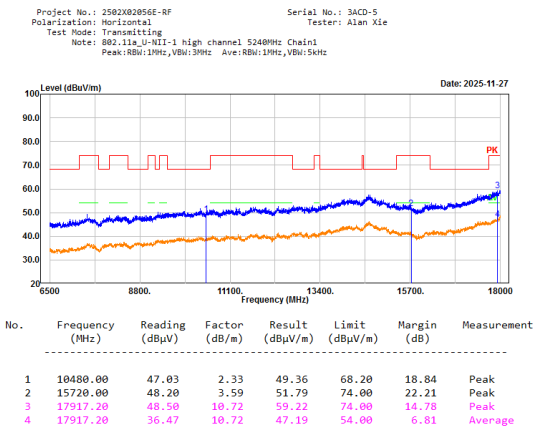
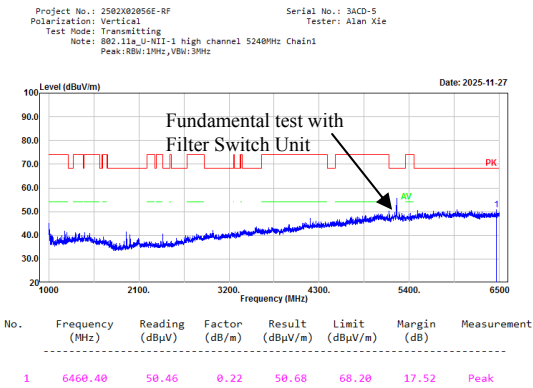
802.11a, Chain 1, Middle Channel, Vertical

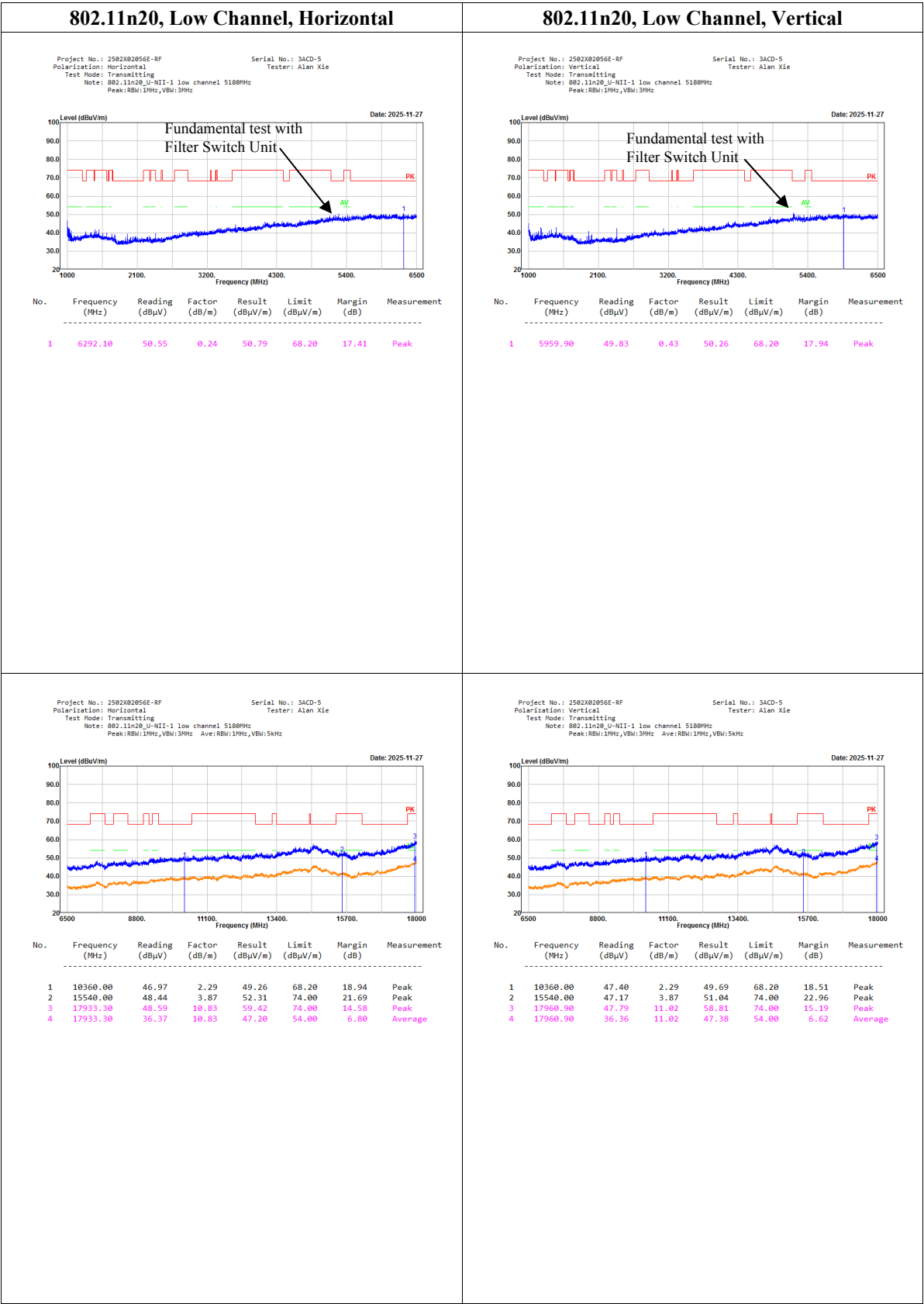


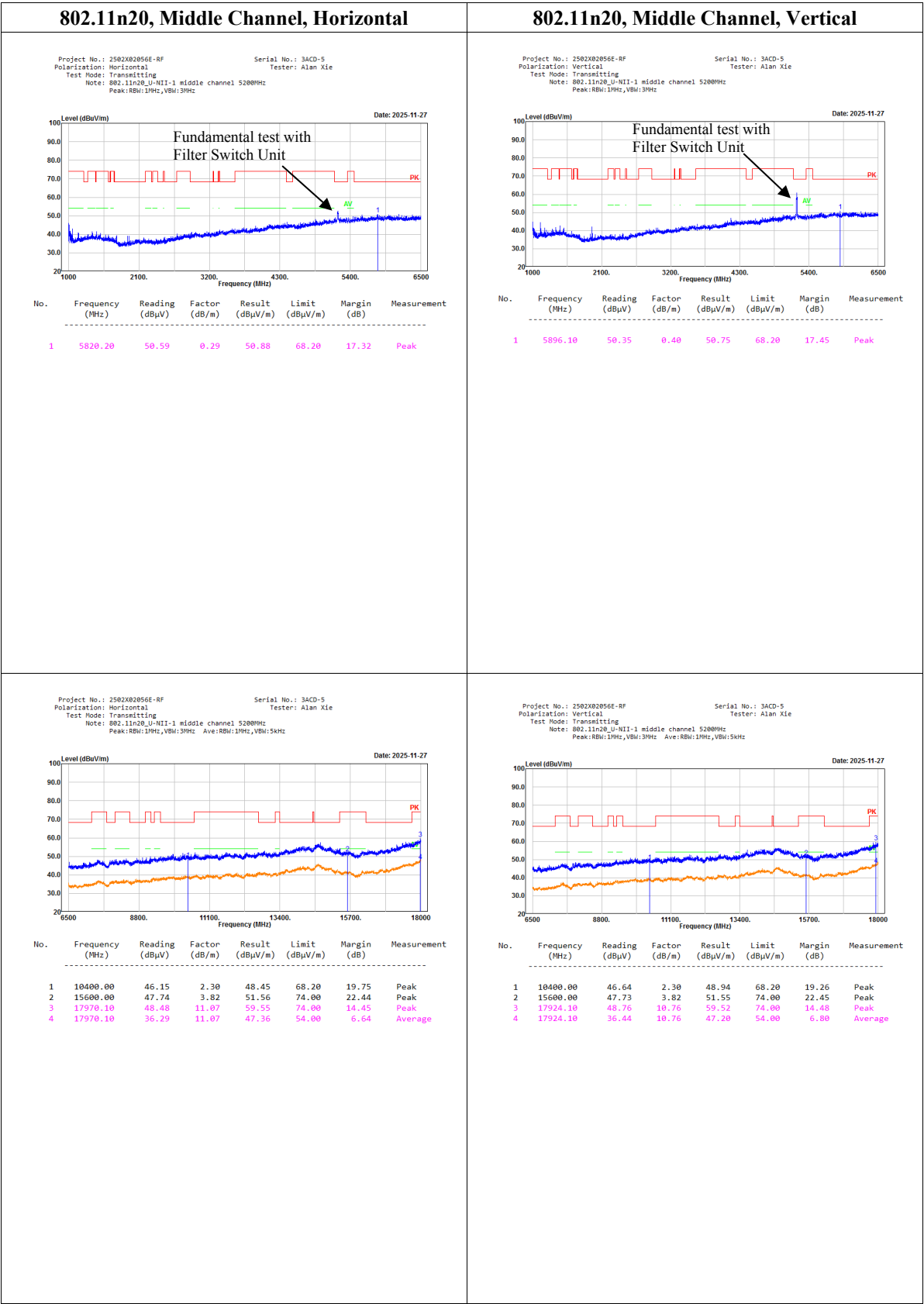
802.11a, Chain 1, High Channel, Horizontal

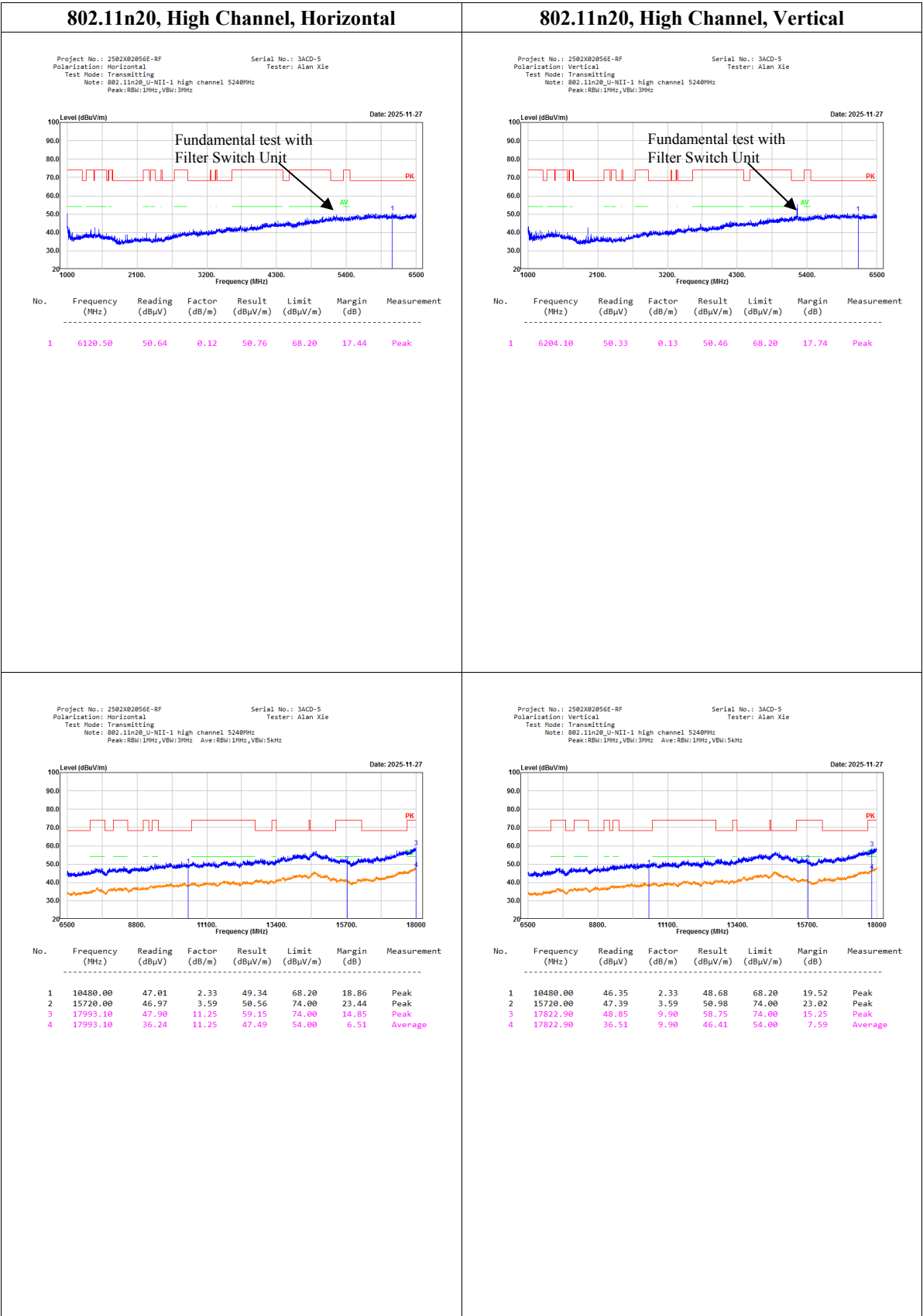


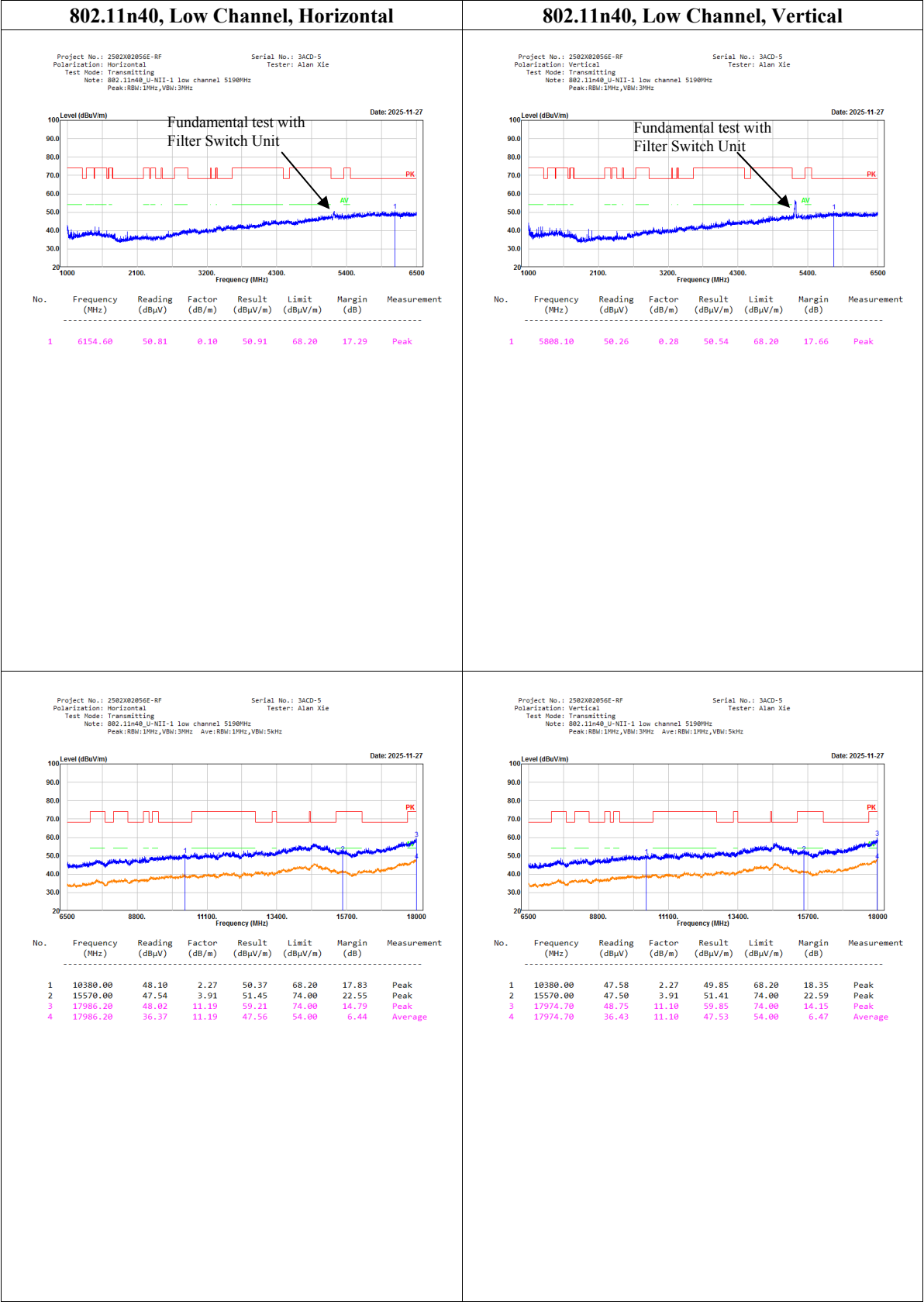
802.11a, Chain 1, High Channel, Vertical











802.11n40, High Channel, Horizontal							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11n40 U-NII-1 high channel 5230MHz Peak:RBW:1MHz,VBW:30Hz		Serial No.: 3ACD-5 Tester: Alan Xie					
Date: 2025-11-27							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5957.70	50.38	0.43	50.81	68.20	17.39	Peak

802.11n40, High Channel, Vertical							
Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11n40 U-NII-1 high channel 5230MHz Peak:RBW:1MHz,VBW:30Hz		Serial No.: 3ACD-5 Tester: Alan Xie					
Date: 2025-11-27							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6164.50	50.45	0.17	50.62	68.20	17.58	Peak

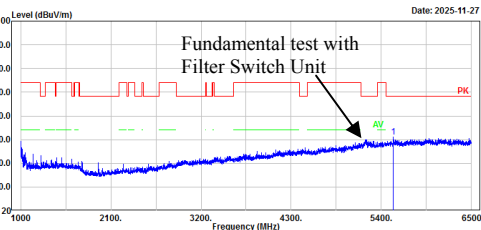
802.11n40, High Channel, Horizontal							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11n40 U-NII-1 high channel 5230MHz Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz		Serial No.: 3ACD-5 Tester: Alan Xie					
Date: 2025-11-27							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	46.20	2.35	48.55	68.20	19.65	Peak
2	15690.00	47.72	3.64	51.36	74.00	22.64	Peak
3	17988.50	48.45	11.21	59.66	74.00	14.34	Peak
4	17988.50	36.35	11.21	47.56	54.00	6.44	Average

802.11n40, High Channel, Vertical							
Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11n40 U-NII-1 high channel 5230MHz Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz		Serial No.: 3ACD-5 Tester: Alan Xie					
Date: 2025-11-27							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	45.87	2.35	48.22	68.20	19.98	Peak
2	15690.00	47.73	3.64	51.37	74.00	22.63	Peak
3	17974.70	47.97	11.10	59.07	74.00	14.93	Peak
4	17974.70	36.29	11.10	47.39	54.00	6.61	Average

802.11ac80, Middle Channel, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Alan Xie

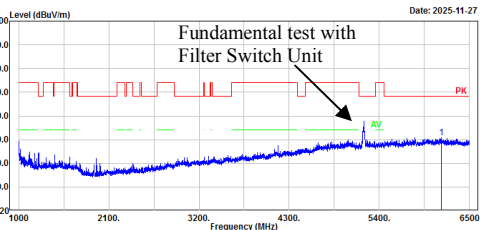


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5548.50	51.00	-0.05	50.95	68.20	17.25	Peak

802.11ac80, Middle Channel, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz

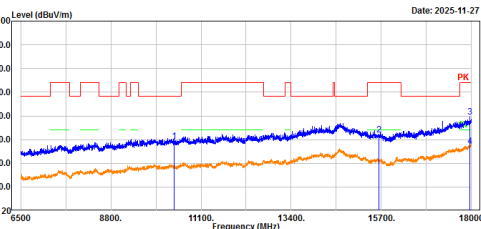
Serial No.: 3ACD-5
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6156.80	50.70	0.13	50.83	68.20	17.37	Peak

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

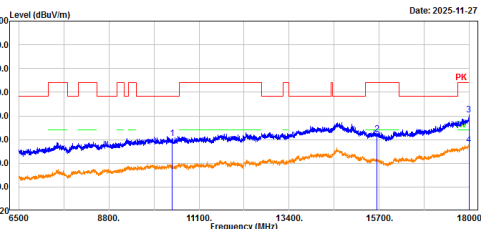
Serial No.: 3ACD-5
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	46.98	2.31	49.29	68.20	18.91	Peak
2	15630.00	48.17	3.74	51.91	74.00	22.09	Peak
3	17954.00	48.50	10.97	59.47	74.00	14.53	Peak
4	17954.00	36.29	10.97	47.26	54.00	6.74	Average

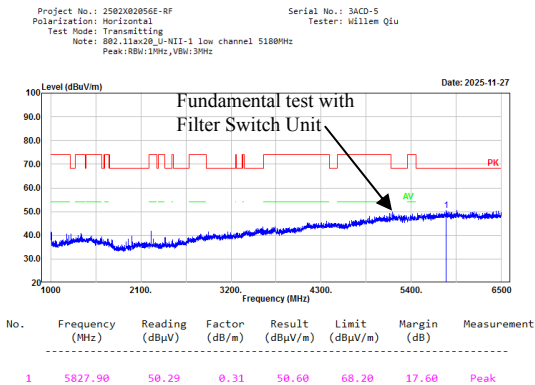
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3ACD-5
Tester: Alan Xie

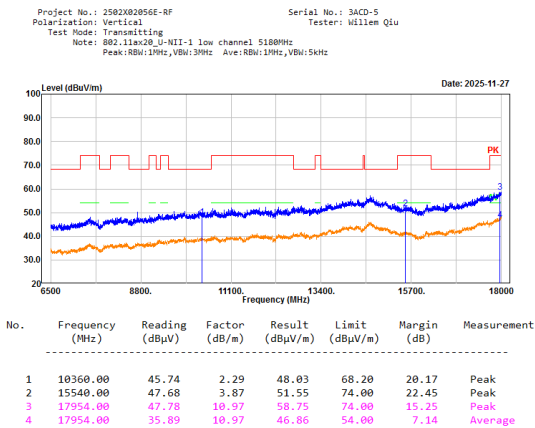
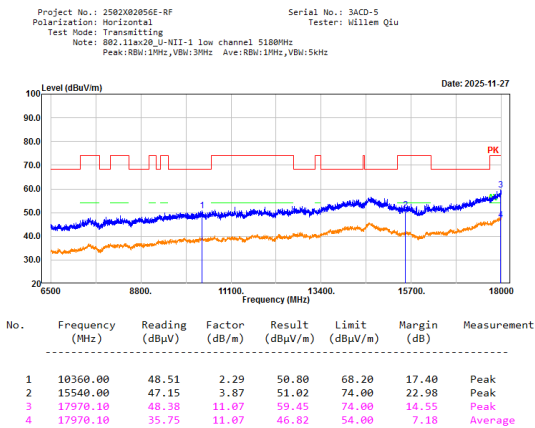
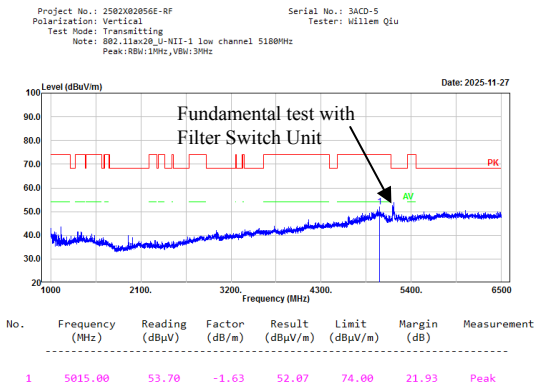


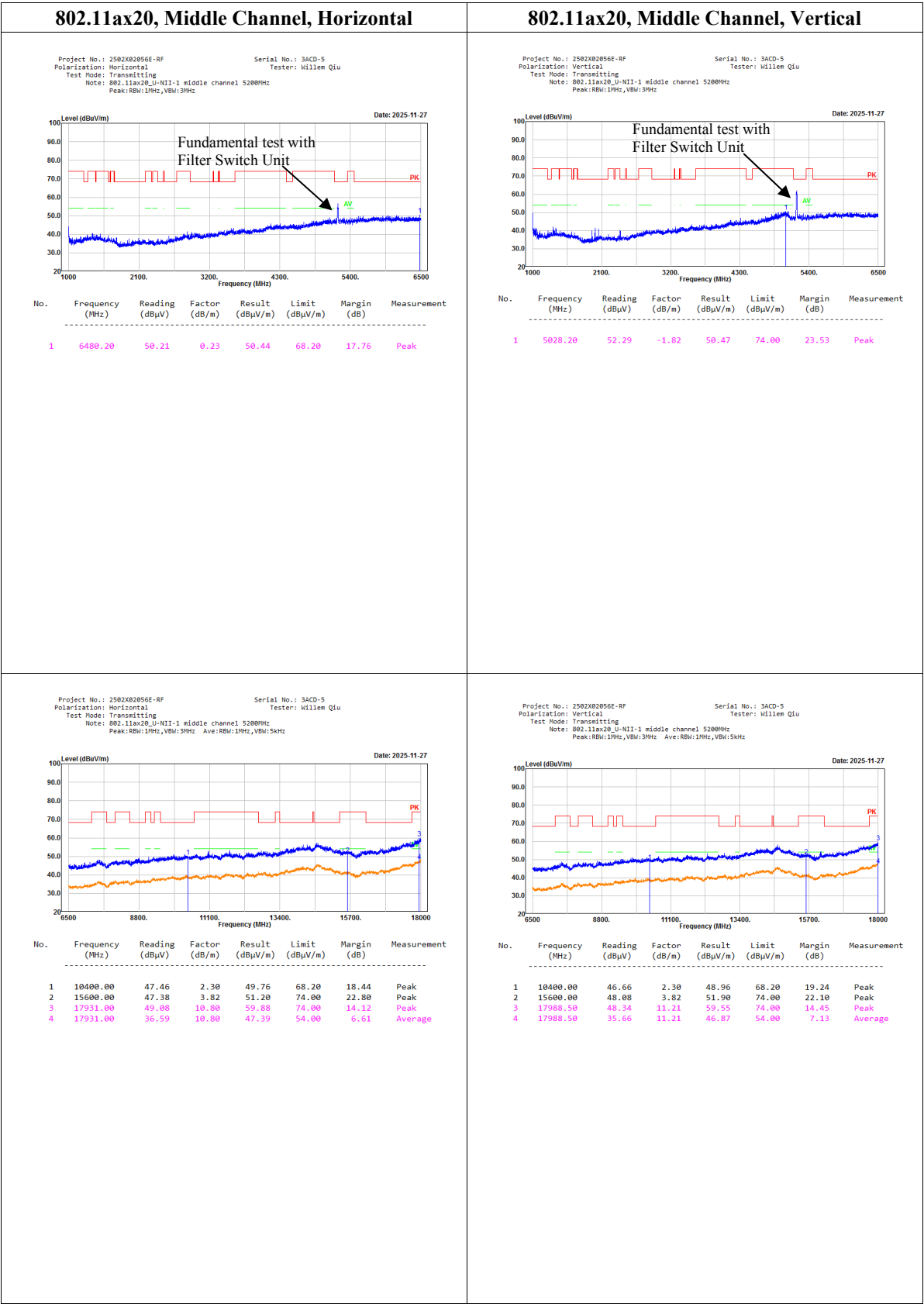
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	48.06	2.31	50.37	68.20	17.83	Peak
2	15630.00	48.70	3.74	52.44	74.00	21.56	Peak
3	17953.90	49.13	11.18	60.31	74.00	13.69	Peak
4	17953.90	36.57	11.18	47.75	54.00	6.25	Average

802.11ax20, Low Channel, Horizontal



802.11ax20, Low Channel, Vertical





802.11ax20, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11ax20_U-NII-1 high channel 5240MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

100021003200430054006500

10090.080.070.060.050.040.030.020

Fundamental test with Filter Switch Unit

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5787.20	49.94	0.25	50.19	68.20	18.01	Peak

802.11ax20, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11ax20_U-NII-1 high channel 5240MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

100021003200430054006500

10090.080.070.060.050.040.030.020

Fundamental test with Filter Switch Unit

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4800.50	53.64	-2.88	50.76	74.00	23.24	Peak

802.11ax20, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11ax20_U-NII-1 high channel 5240MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

6500880011100134001570018000

10090.080.070.060.050.040.030.020

PK

3

2

1

4

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	46.64	2.33	48.97	68.20	19.23	Peak
2	15720.00	47.00	3.59	50.59	74.00	23.41	Peak
3	17997.00	48.21	11.27	59.48	74.00	14.52	Peak
4	17997.00	36.08	11.27	47.35	54.00	6.65	Average

802.11ax20, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11ax20_U-NII-1 high channel 5240MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

6500880011100134001570018000

10090.080.070.060.050.040.030.020

PK

3

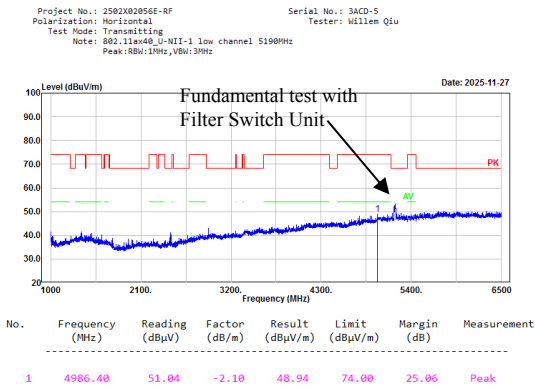
2

1

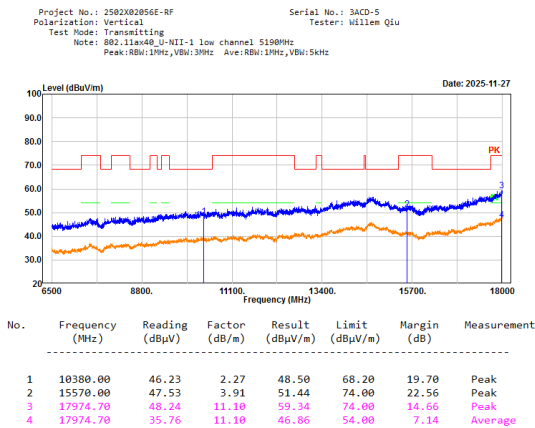
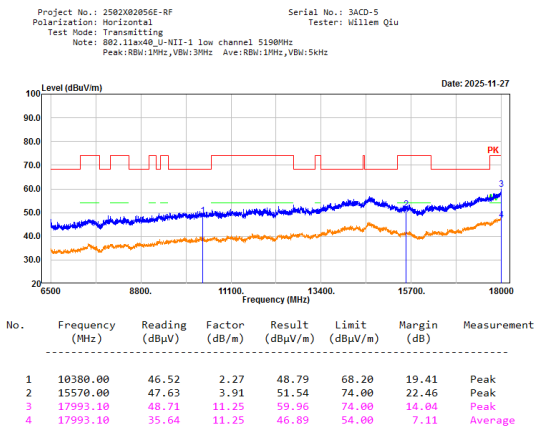
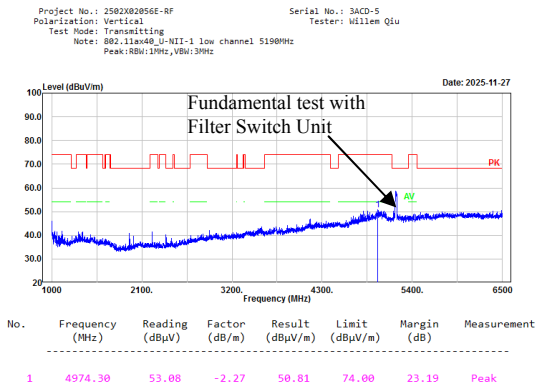
4

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	47.28	2.33	49.61	68.20	18.59	Peak
2	15720.00	48.80	3.59	52.39	74.00	21.61	Peak
3	17997.70	47.84	11.28	59.12	74.00	14.88	Peak
4	17997.70	36.58	11.28	47.86	54.00	6.14	Average

802.11ax40, Low Channel, Horizontal



802.11ax40, Low Channel, Vertical



802.11ax40, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ax40_U-NII-1 high channel 5230MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

4913.80

53.62

-2.71

50.91

74.00

23.09

Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4913.80	53.62	-2.71	50.91	74.00	23.09	Peak

802.11ax40, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ax40_U-NII-1 high channel 5230MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

4984.20

54.10

-2.13

51.97

74.00

22.03

Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4984.20	54.10	-2.13	51.97	74.00	22.03	Peak

802.11ax40, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ax40_U-NII-1 high channel 5230MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

10460.00

46.33

2.35

48.68

68.20

19.52

Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	46.33	2.35	48.68	68.20	19.52	Peak
2	15690.00	48.13	3.64	51.77	74.00	22.23	Peak
3	17993.10	48.31	11.25	59.56	74.00	14.44	Peak
4	17993.10	36.28	11.25	47.53	54.00	6.47	Average

802.11ax40, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ax40_U-NII-1 high channel 5230MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

10460.00

45.90

2.35

48.25

68.20

19.95

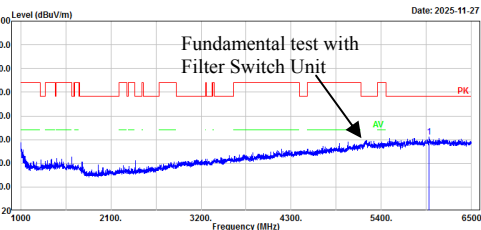
Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	45.90	2.35	48.25	68.20	19.95	Peak
2	15690.00	47.33	3.64	50.97	74.00	23.03	Peak
3	17995.40	48.82	11.26	60.08	74.00	13.92	Peak
4	17995.40	35.56	11.26	46.82	54.00	7.18	Average

802.11ax80, Middle Channel, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ax80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Alan Xie

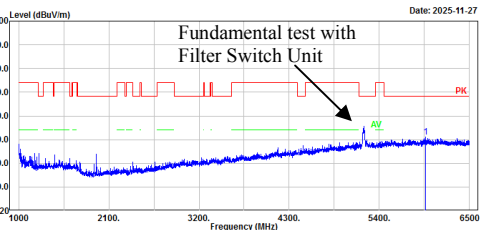


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5985.20	50.55	0.44	50.99	68.20	17.21	Peak

802.11ax80, Middle Channel, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ax80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz

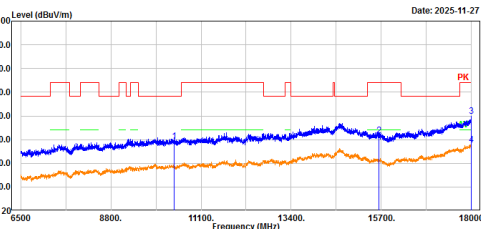
Serial No.: 3ACD-5
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5959.90	50.58	0.43	51.01	68.20	17.19	Peak

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ax80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

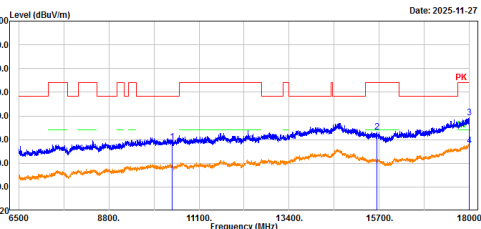
Serial No.: 3ACD-5
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	47.08	2.31	49.39	68.20	18.81	Peak
2	15630.00	47.95	3.74	51.69	74.00	22.31	Peak
3	17995.40	48.49	11.26	59.75	74.00	14.25	Peak
4	17995.40	36.37	11.26	47.63	54.00	6.37	Average

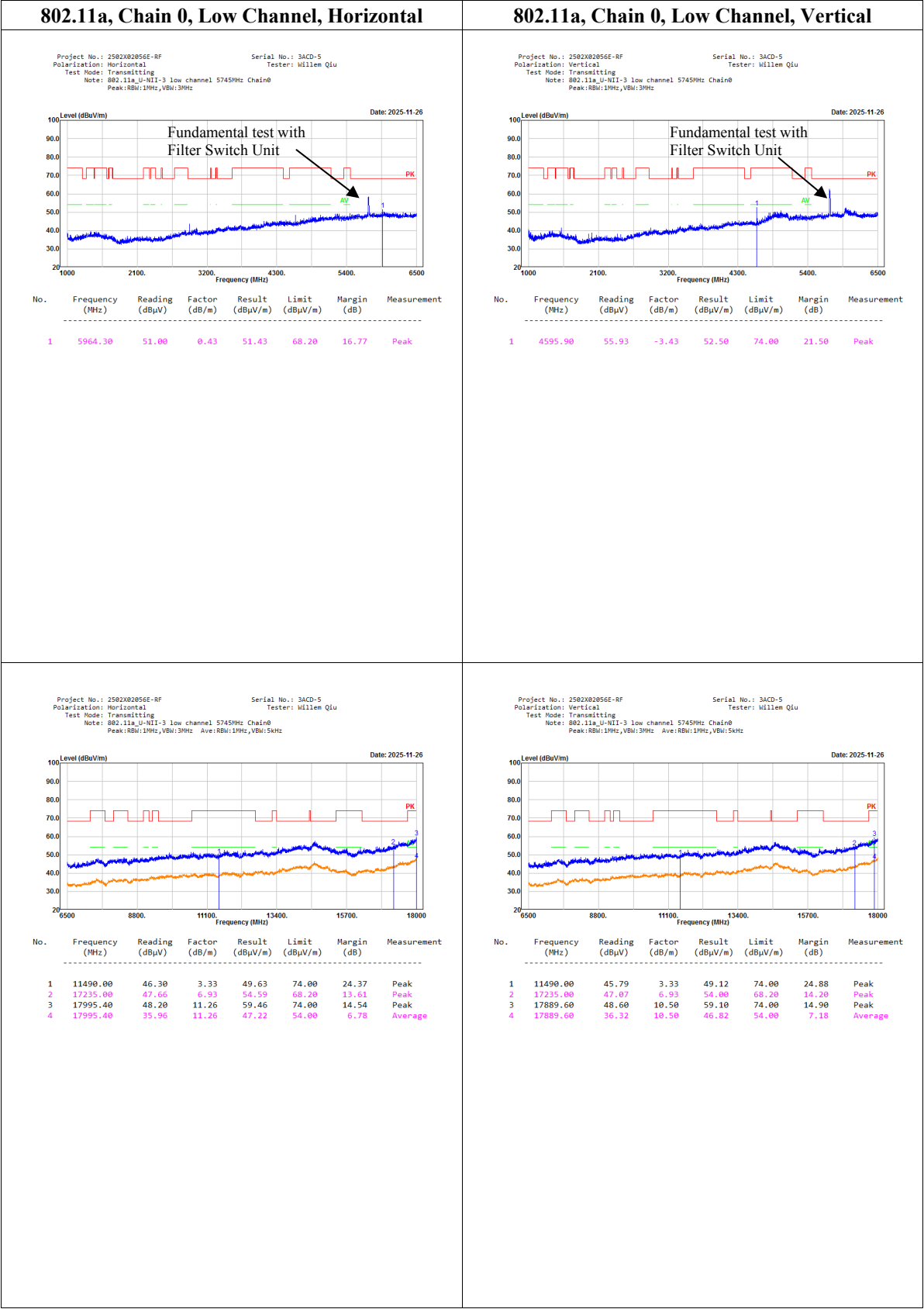
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ax80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3ACD-5
Tester: Alan Xie

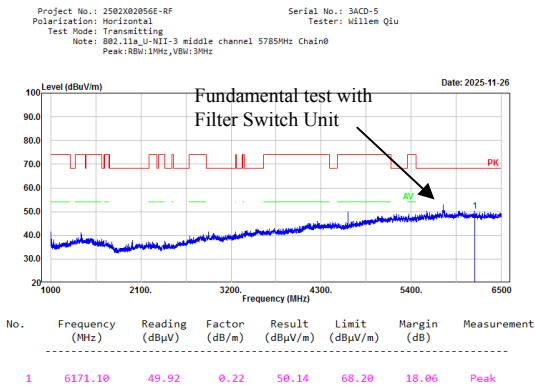


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	46.60	2.31	48.91	68.20	19.29	Peak
2	15630.00	49.34	3.74	53.08	74.00	20.92	Peak
3	17986.20	48.13	11.19	59.32	74.00	14.68	Peak
4	17986.20	36.35	11.19	47.54	54.00	6.46	Average

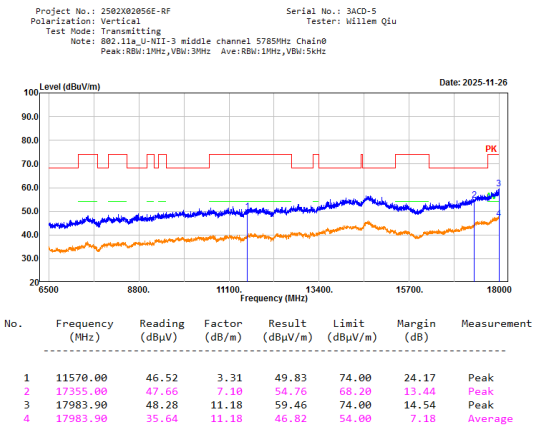
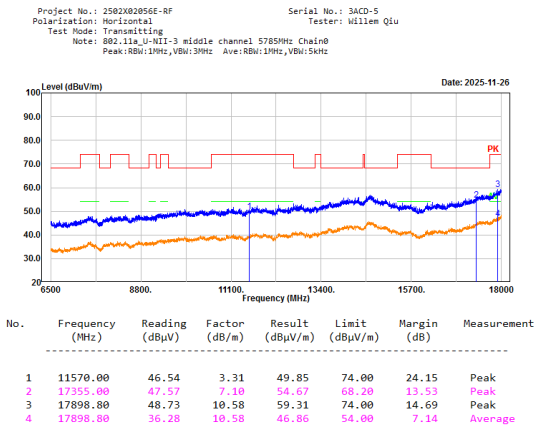
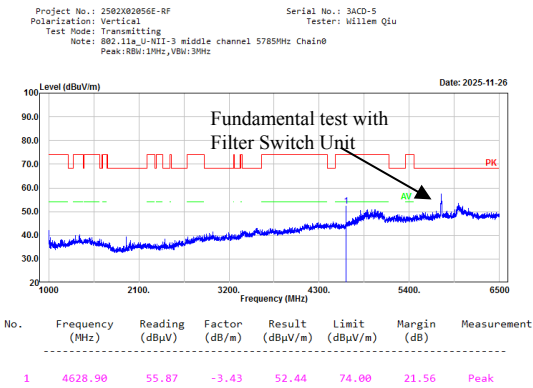
5725-5850MHz:



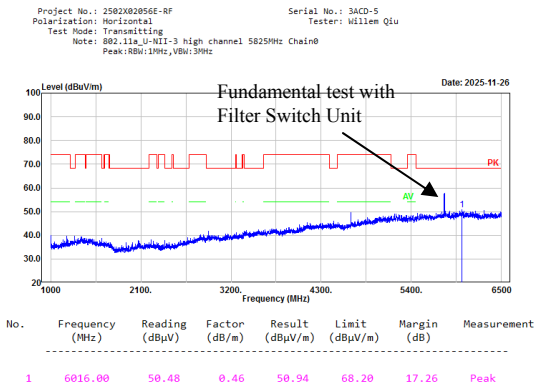
802.11a, Chain 0, Middle Channel, Horizontal



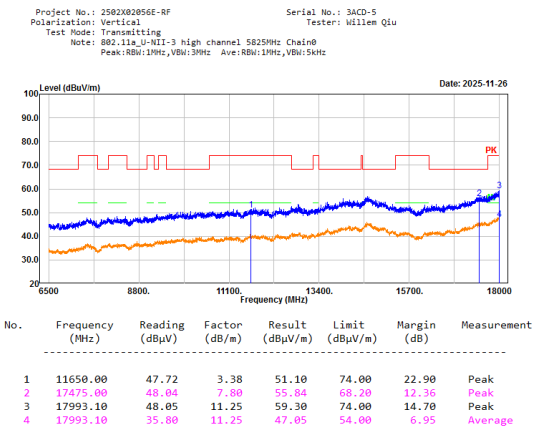
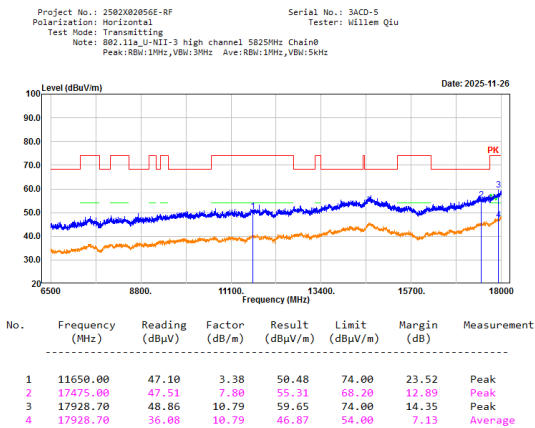
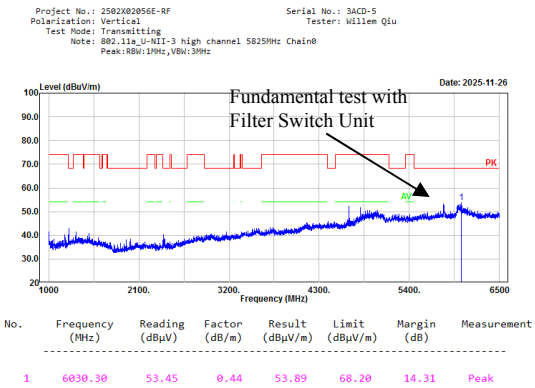
802.11a, Chain 0, Middle Channel, Vertical



802.11a, Chain 0, High Channel, Horizontal



802.11a, Chain 0, High Channel, Vertical



802.11a, Chain 1, Low Channel, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz Chain1
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5962.10	50.19	0.42	50.61	68.20	17.59	Peak

802.11a, Chain 1, Low Channel, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz Chain1
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5985.20	50.79	0.44	51.23	68.20	16.97	Peak

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz Chain1
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10490.00	46.30	2.33	48.63	68.20	19.57	Peak
2	17235.00	46.14	6.93	53.07	68.20	15.13	Peak
3	17997.00	50.47	11.27	61.74	74.00	12.26	Peak
4	17997.00	35.96	11.27	47.23	54.00	6.77	Average

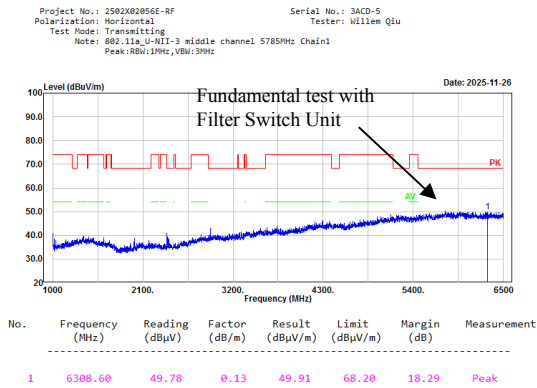
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-3 low channel 5745MHz Chain1
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3ACD-5
Tester: Willem Qiu

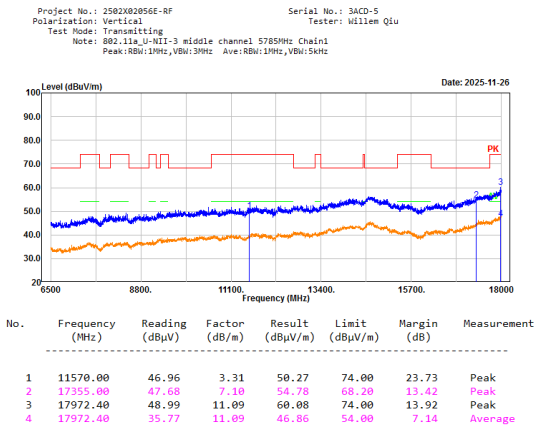
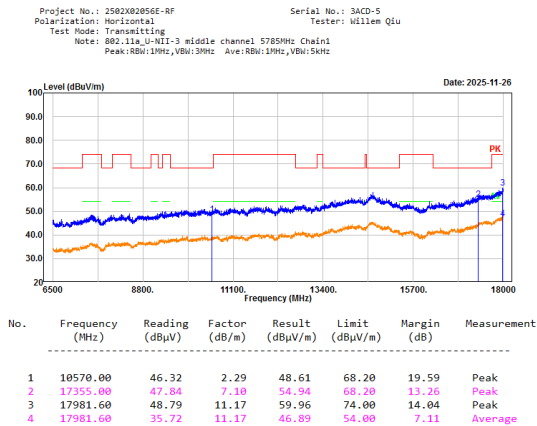
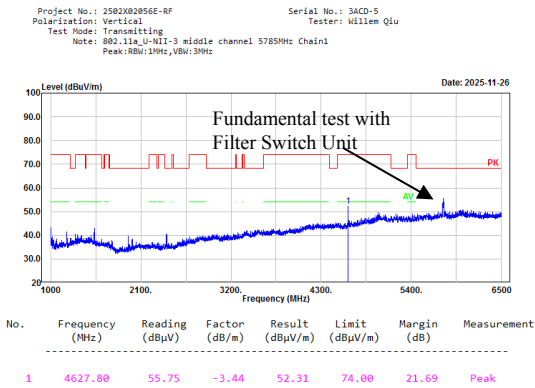
Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10490.00	45.86	2.33	48.19	68.20	20.01	Peak
2	17235.00	46.77	6.93	53.70	68.20	14.50	Peak
3	17990.00	48.92	11.23	60.15	74.00	13.85	Peak
4	17990.80	35.89	11.23	47.12	54.00	6.88	Average

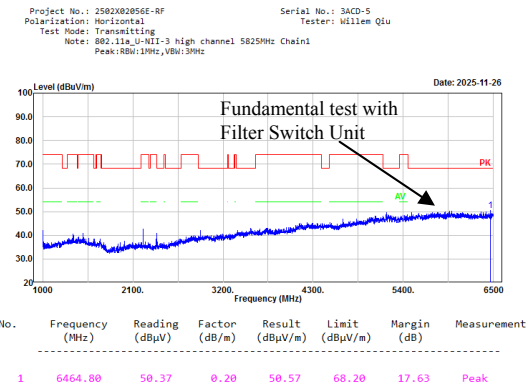
802.11a, Chain 1, Middle Channel, Horizontal



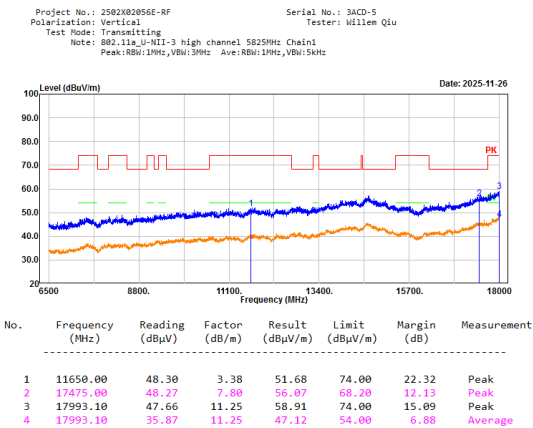
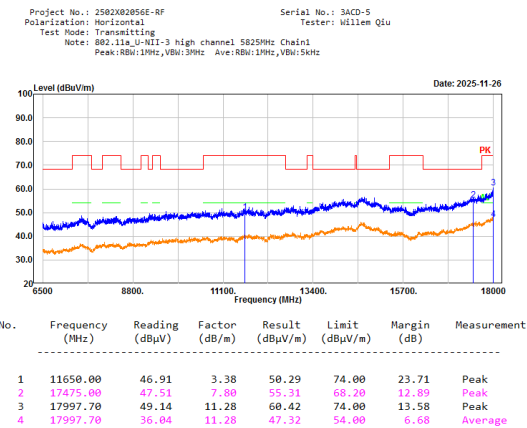
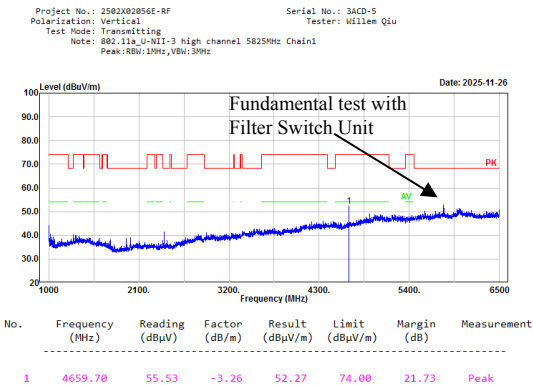
802.11a, Chain 1, Middle Channel, Vertical

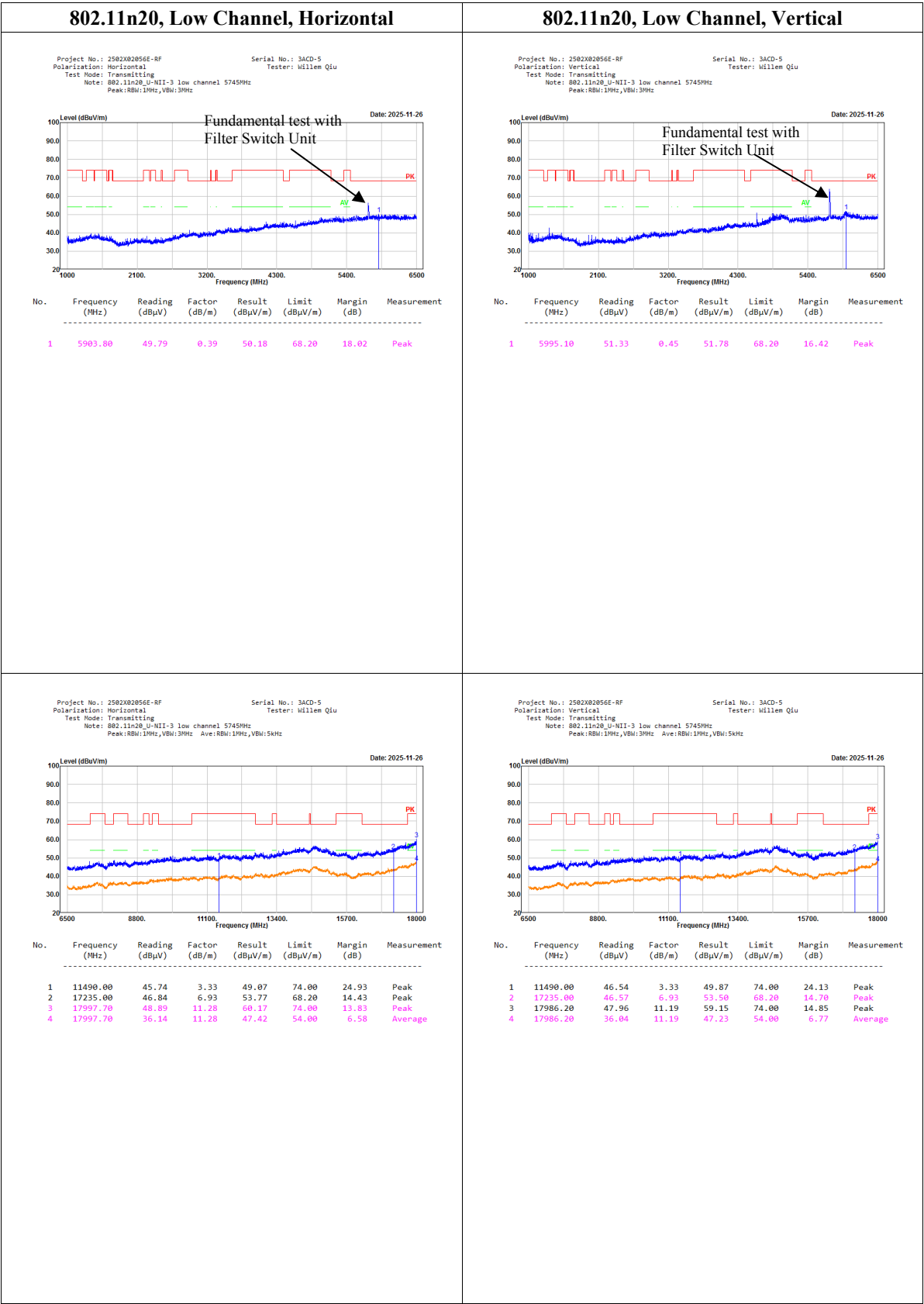


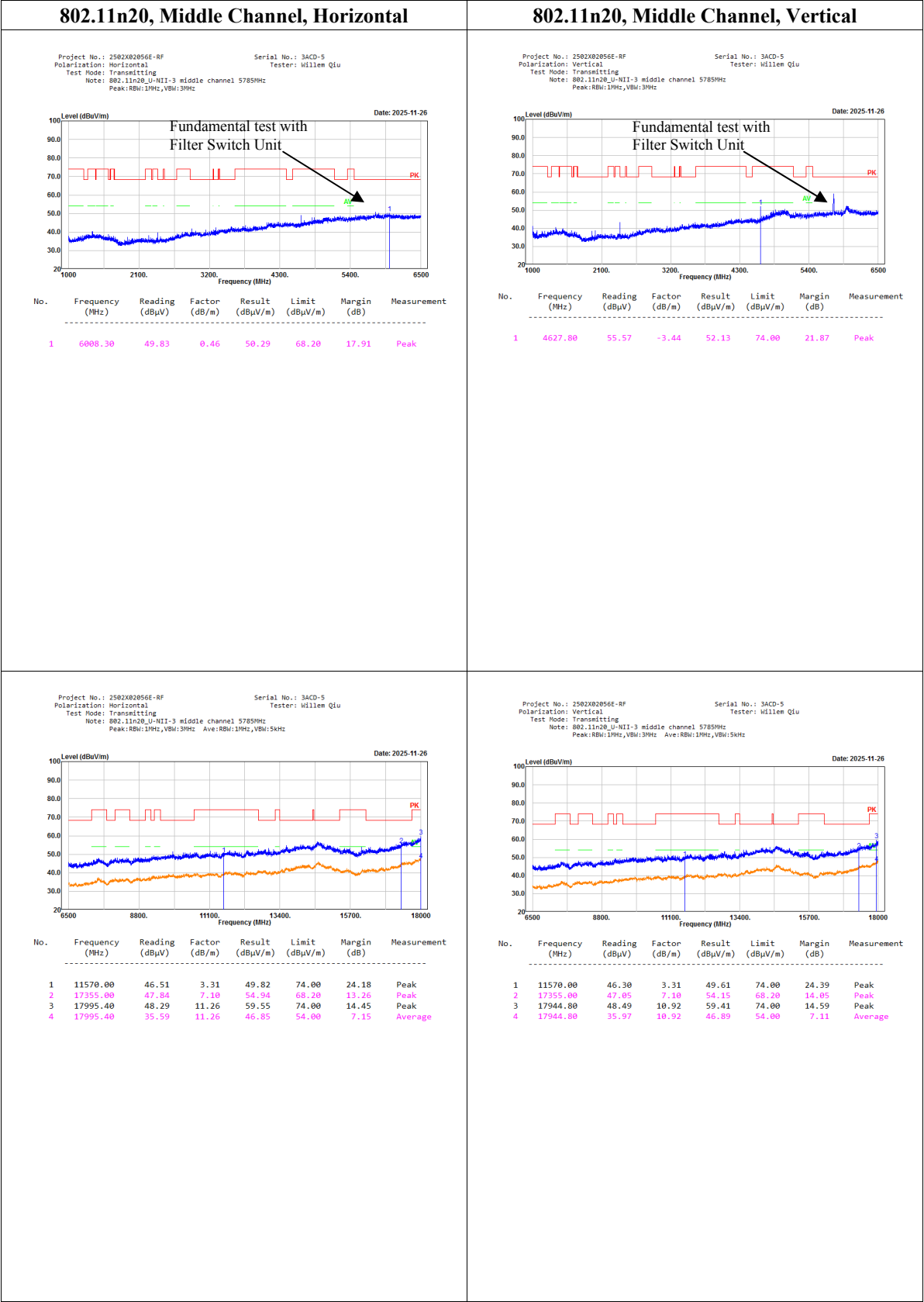
802.11a, Chain 1, High Channel, Horizontal



802.11a, Chain 1, High Channel, Vertical







802.11n20, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11n20 U-NII-3 high channel 5825MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

AV

PK

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5999.50	49.58	0.45	50.03	68.20	18.17	Peak

802.11n20, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11n20 U-NII-3 high channel 5825MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

AV

PK

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4660.80	55.35	-3.26	52.09	74.00	21.91	Peak

802.11n20, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11n20 U-NII-3 high channel 5825MHz

Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	48.69	3.38	52.07	74.00	21.93	Peak
2	17475.00	48.23	7.00	56.01	68.20	12.19	Peak
3	17979.30	48.04	11.14	59.18	74.00	14.82	Peak
4	17979.30	35.61	11.14	46.75	54.00	7.25	Average

802.11n20, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

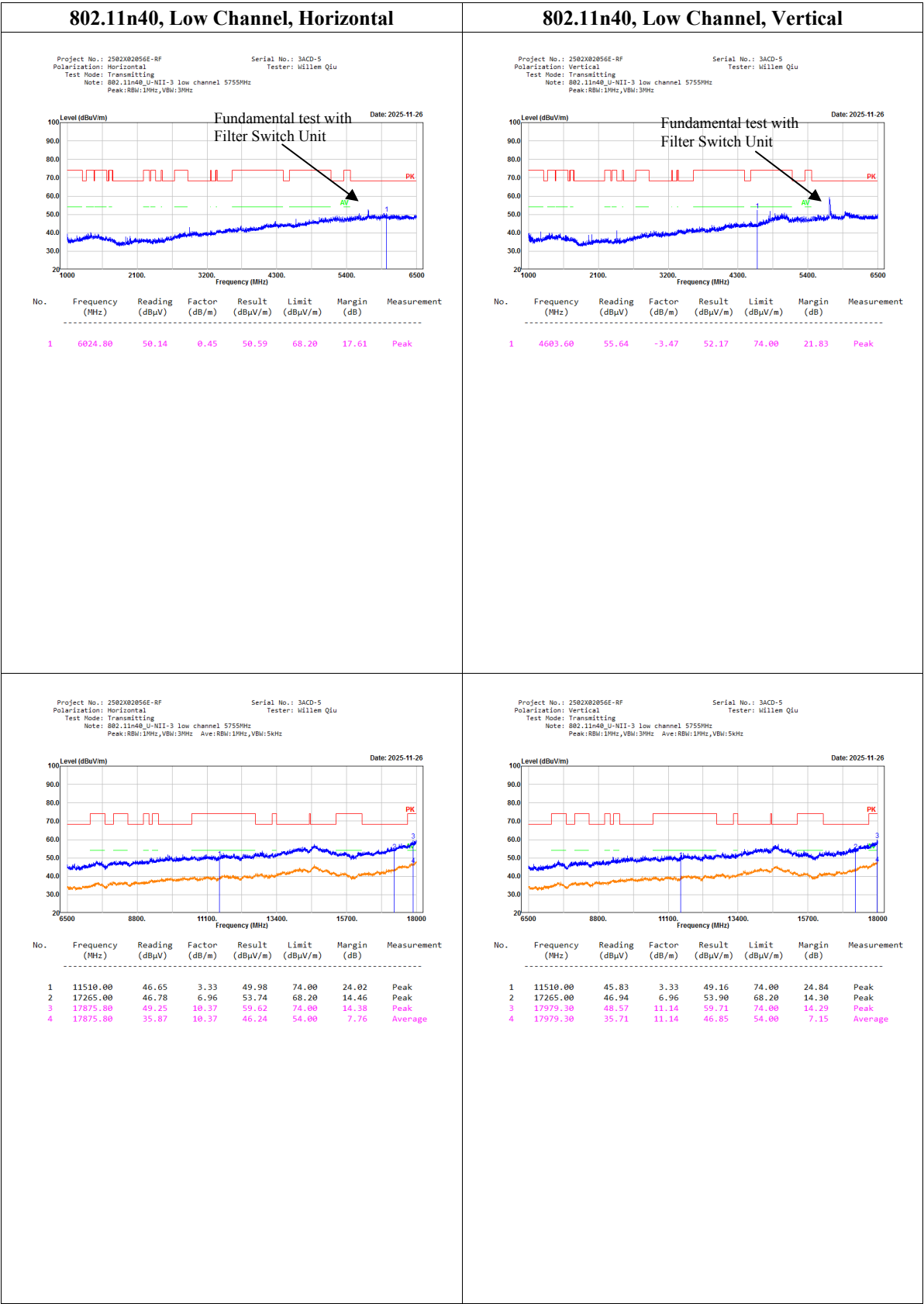
Note: 802.11n20 U-NII-3 high channel 5825MHz

Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	47.03	3.38	50.41	74.00	23.59	Peak
2	17475.00	48.40	7.00	56.20	68.20	12.00	Peak
3	17988.50	48.12	11.21	59.33	74.00	14.67	Peak
4	17988.50	35.65	11.21	46.86	54.00	7.14	Average



802.11n40, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n40 U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5219.60	50.92	-0.55	50.37	68.20	17.83	Peak

802.11n40, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n40 U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4636.60	55.56	-3.37	52.19	74.00	21.81	Peak

802.11n40, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n40 U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11590.00	46.40	3.28	49.68	74.00	24.32	Peak
2	17385.00	47.34	7.25	54.59	68.20	13.61	Peak
3	17977.00	48.41	11.12	59.53	74.00	14.47	Peak
4	17977.00	35.74	11.12	46.86	54.00	7.14	Average

802.11n40, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n40 U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

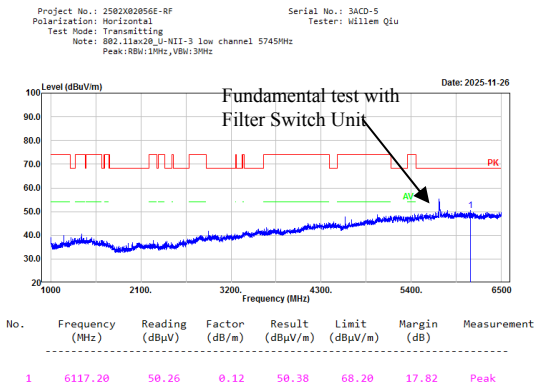
Date: 2025-11-26

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11590.00	46.26	3.28	49.54	74.00	24.46	Peak
2	17385.00	48.21	7.25	55.46	68.20	12.74	Peak
3	17942.50	48.86	10.90	59.76	74.00	14.24	Peak
4	17942.50	35.95	10.90	46.85	54.00	7.15	Average

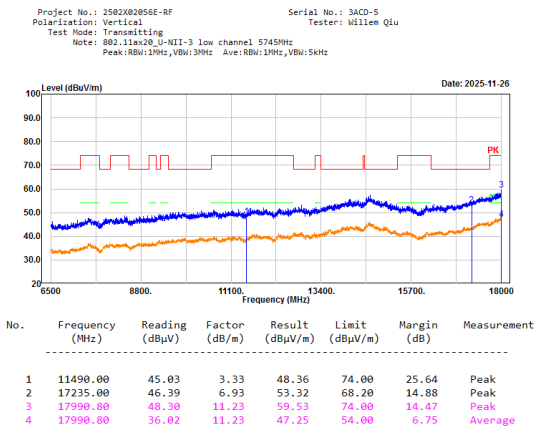
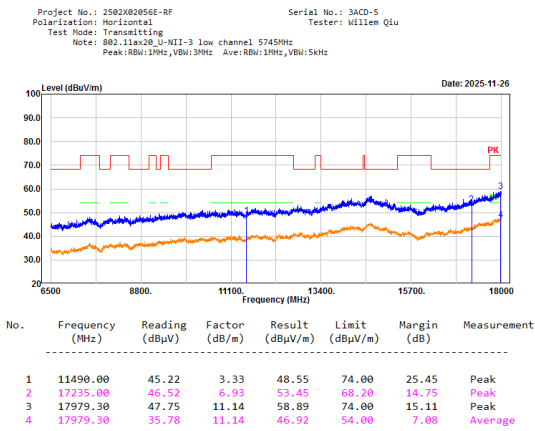
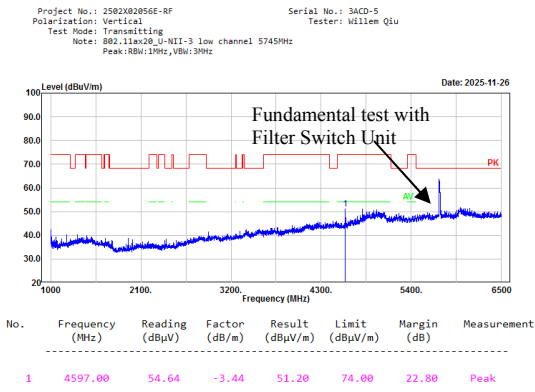
802.11ac80, Middle Channel, Horizontal				802.11ac80, Middle Channel, Vertical																																			
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11ac80_U-NII-3 middle channel 5775MHz Peak:RBW:1MHz,VBW:3MHz				Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11ac80_U-NII-3 middle channel 5775MHz Peak:RBW:1MHz,VBW:3MHz																																			
Serial No.: 3ACD-5 Tester: Willem Qiu				Serial No.: 3ACD-5 Tester: Willem Qiu																																			
Date: 2025-11-26				Date: 2025-11-26																																			
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>6062.80</td><td>51.04</td><td>0.45</td><td>51.49</td><td>68.20</td><td>16.71</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	6062.80	51.04	0.45	51.49	68.20	16.71	Peak	<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>4800.50</td><td>54.37</td><td>-2.88</td><td>51.49</td><td>74.00</td><td>22.51</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	4800.50	54.37	-2.88	51.49	74.00	22.51	Peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																
1	6062.80	51.04	0.45	51.49	68.20	16.71	Peak																																
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																
1	4800.50	54.37	-2.88	51.49	74.00	22.51	Peak																																

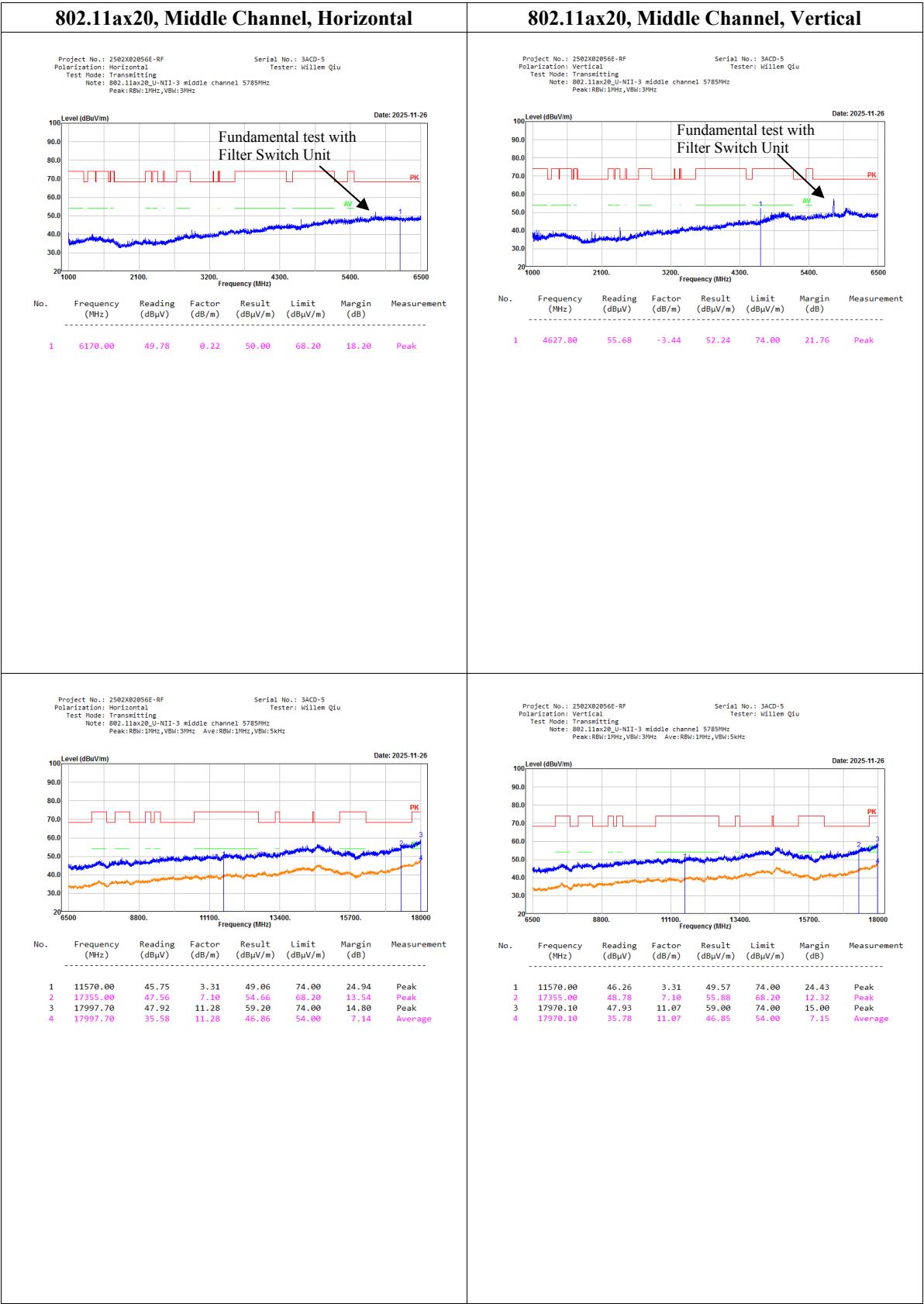
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11ac80_U-NII-3 middle channel 5775MHz Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz				Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11ac80_U-NII-3 middle channel 5775MHz Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz																																																																																			
Serial No.: 3ACD-5 Tester: Willem Qiu				Serial No.: 3ACD-5 Tester: Willem Qiu																																																																																			
Date: 2025-11-26				Date: 2025-11-26																																																																																			
<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>11550.00</td><td>46.51</td><td>3.32</td><td>49.83</td><td>74.00</td><td>24.17</td><td>Peak</td></tr><tr><td>2</td><td>17325.00</td><td>46.45</td><td>6.94</td><td>53.39</td><td>68.20</td><td>14.81</td><td>Peak</td></tr><tr><td>3</td><td>17997.70</td><td>48.19</td><td>11.28</td><td>59.47</td><td>74.00</td><td>14.53</td><td>Peak</td></tr><tr><td>4</td><td>17997.70</td><td>35.84</td><td>11.28</td><td>47.12</td><td>54.00</td><td>6.88</td><td>Average</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	11550.00	46.51	3.32	49.83	74.00	24.17	Peak	2	17325.00	46.45	6.94	53.39	68.20	14.81	Peak	3	17997.70	48.19	11.28	59.47	74.00	14.53	Peak	4	17997.70	35.84	11.28	47.12	54.00	6.88	Average	<table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>11550.00</td><td>46.73</td><td>3.32</td><td>50.05</td><td>74.00</td><td>23.95</td><td>Peak</td></tr><tr><td>2</td><td>17325.00</td><td>46.89</td><td>6.94</td><td>53.83</td><td>68.20</td><td>14.37</td><td>Peak</td></tr><tr><td>3</td><td>17997.70</td><td>48.08</td><td>11.28</td><td>59.36</td><td>74.00</td><td>14.64</td><td>Peak</td></tr><tr><td>4</td><td>17997.70</td><td>35.83</td><td>11.28</td><td>47.11</td><td>54.00</td><td>6.89</td><td>Average</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	11550.00	46.73	3.32	50.05	74.00	23.95	Peak	2	17325.00	46.89	6.94	53.83	68.20	14.37	Peak	3	17997.70	48.08	11.28	59.36	74.00	14.64	Peak	4	17997.70	35.83	11.28	47.11	54.00	6.89	Average
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																																																
1	11550.00	46.51	3.32	49.83	74.00	24.17	Peak																																																																																
2	17325.00	46.45	6.94	53.39	68.20	14.81	Peak																																																																																
3	17997.70	48.19	11.28	59.47	74.00	14.53	Peak																																																																																
4	17997.70	35.84	11.28	47.12	54.00	6.88	Average																																																																																
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1	11550.00	46.73	3.32	50.05	74.00	23.95	Peak																																																																																
2	17325.00	46.89	6.94	53.83	68.20	14.37	Peak																																																																																
3	17997.70	48.08	11.28	59.36	74.00	14.64	Peak																																																																																
4	17997.70	35.83	11.28	47.11	54.00	6.89	Average																																																																																

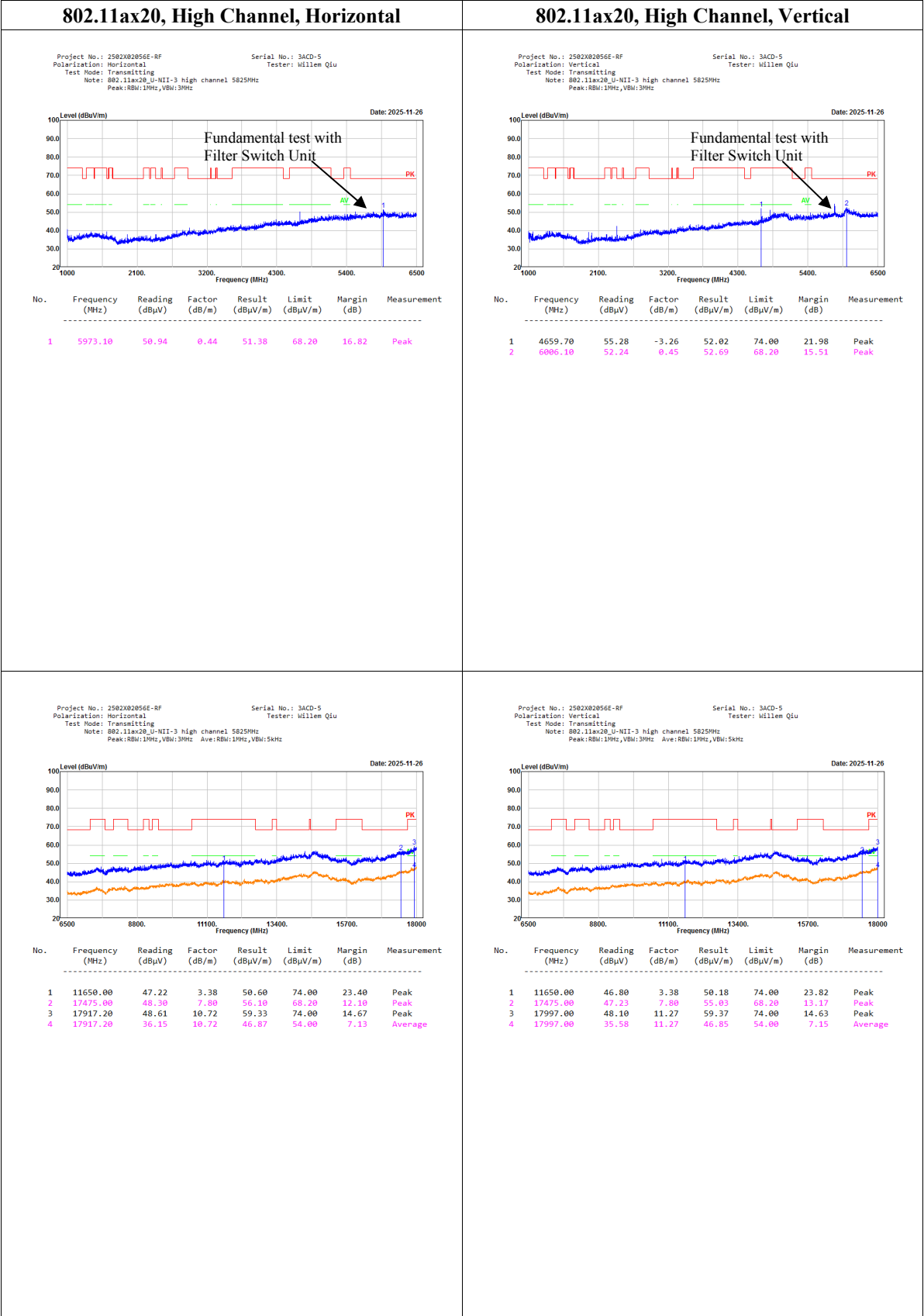
802.11ax20, Low Channel, Horizontal



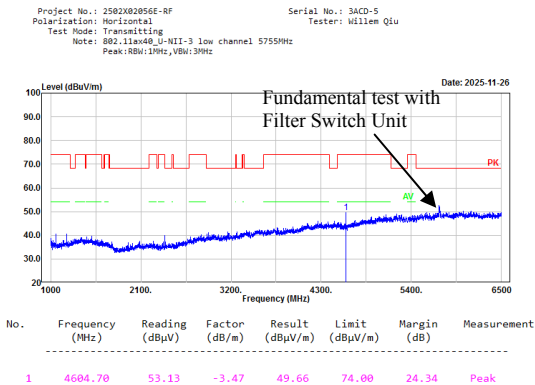
802.11ax20, Low Channel, Vertical



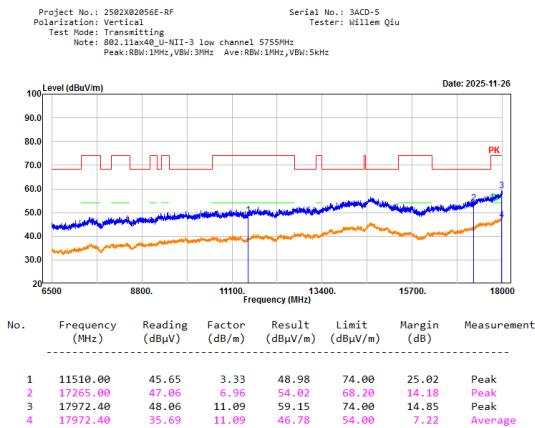
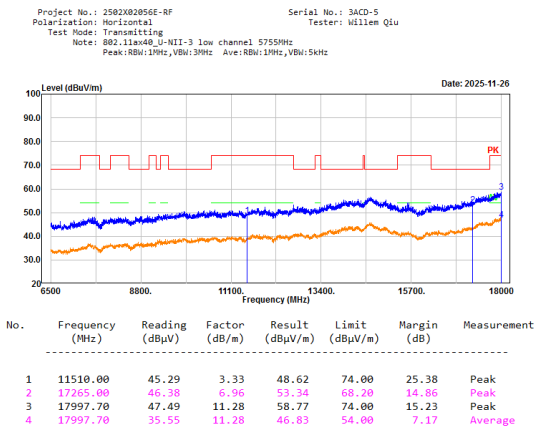
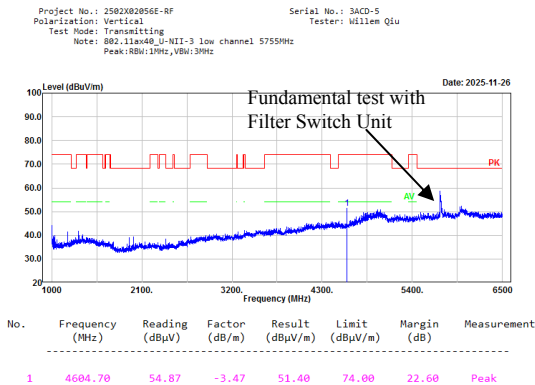




802.11ax40, Low Channel, Horizontal



802.11ax40, Low Channel, Vertical



802.11ax40, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11ax40_U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-11-26

100

90.0

80.0

70.0

60.0

50.0

40.0

30.0

20

1000

2100

3200

4300

5400

6500

Frequency (MHz)

1

5962.10

49.86

0.42

50.28

68.20

17.92

Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5962.10	49.86	0.42	50.28	68.20	17.92	Peak

802.11ax40, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11ax40_U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-11-26

100

90.0

80.0

70.0

60.0

50.0

40.0

30

20

1000

2100

3200

4300

5400

6500

Frequency (MHz)

1

6062.20

52.83

0.34

53.17

68.20

15.03

Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6062.20	52.83	0.34	53.17	68.20	15.03	Peak

802.11ax40, High Channel, Horizontal

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11ax40_U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Date: 2025-11-26

100

90.0

80.0

70.0

60.0

50.0

40.0

30.0

20

6500

8800

11100

13400

15700

18000

Frequency (MHz)

1

11590.00

46.15

3.28

49.43

74.00

24.57

Peak

2

17385.00

48.18

7.25

55.43

68.20

12.77

Peak

3

17983.90

48.49

11.18

59.67

74.00

14.33

Peak

4

17983.90

35.67

11.18

46.85

54.00

7.15

Average

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11590.00	46.15	3.28	49.43	74.00	24.57	Peak
2	17385.00	48.18	7.25	55.43	68.20	12.77	Peak
3	17983.90	48.49	11.18	59.67	74.00	14.33	Peak
4	17983.90	35.67	11.18	46.85	54.00	7.15	Average

802.11ax40, High Channel, Vertical

Project No.: 2502X02056E-RF

Serial No.: 3ACD-5

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11ax40_U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Date: 2025-11-26

100

90.0

80.0

70.0

60.0

50.0

40.0

30

20

6500

8800

11100

13400

15700

18000

Frequency (MHz)

1

11590.00

46.66

3.28

49.94

74.00

24.06

Peak

2

17385.00

48.69

7.25

55.94

68.20

12.26

Peak

3

17986.20

48.27

11.19

59.46

74.00

14.54

Peak

4

17986.20

35.62

11.19

46.81

54.00

7.19

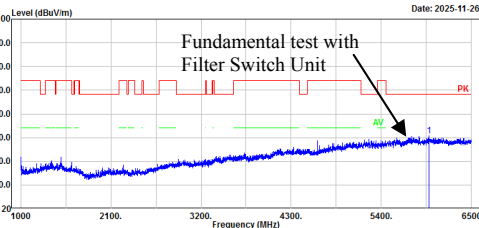
Average

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11590.00	46.66	3.28	49.94	74.00	24.06	Peak
2	17385.00	48.69	7.25	55.94	68.20	12.26	Peak
3	17986.20	48.27	11.19	59.46	74.00	14.54	Peak
4	17986.20	35.62	11.19	46.81	54.00	7.19	Average

802.11ax80, Middle Channel, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ax80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3ACD-5
Tester: Willem Qiu

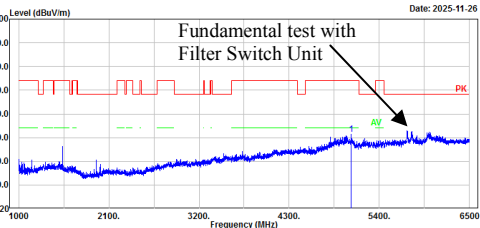


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5983.00	50.21	0.44	50.65	68.20	17.55	Peak

802.11ax80, Middle Channel, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ax80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz

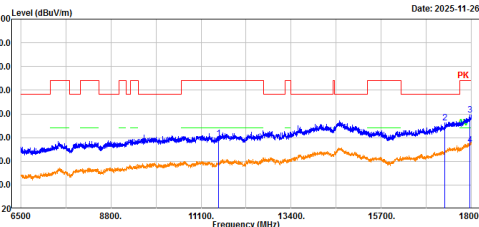
Serial No.: 3ACD-5
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5055.70	53.03	-1.63	51.40	74.00	22.60	Peak

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ax80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

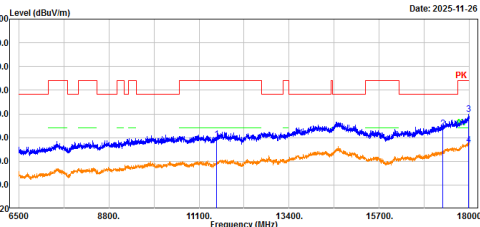
Serial No.: 3ACD-5
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	46.35	3.32	49.67	74.00	24.33	Peak
2	17325.00	49.32	6.94	56.26	68.20	11.94	Peak
3	17949.40	48.51	10.95	59.46	74.00	14.54	Peak
4	17949.40	35.82	10.95	46.77	54.00	7.23	Average

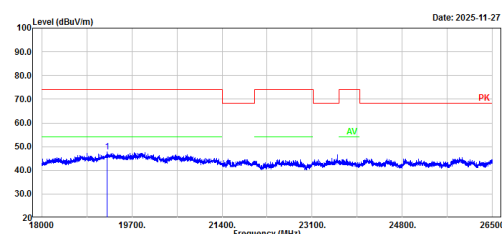
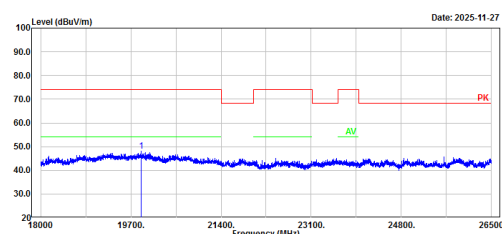
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ax80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

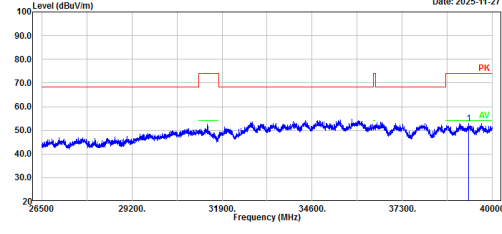
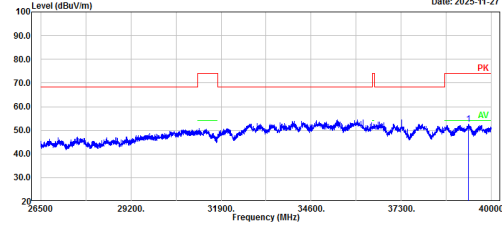
Serial No.: 3ACD-5
Tester: Willem Qiu



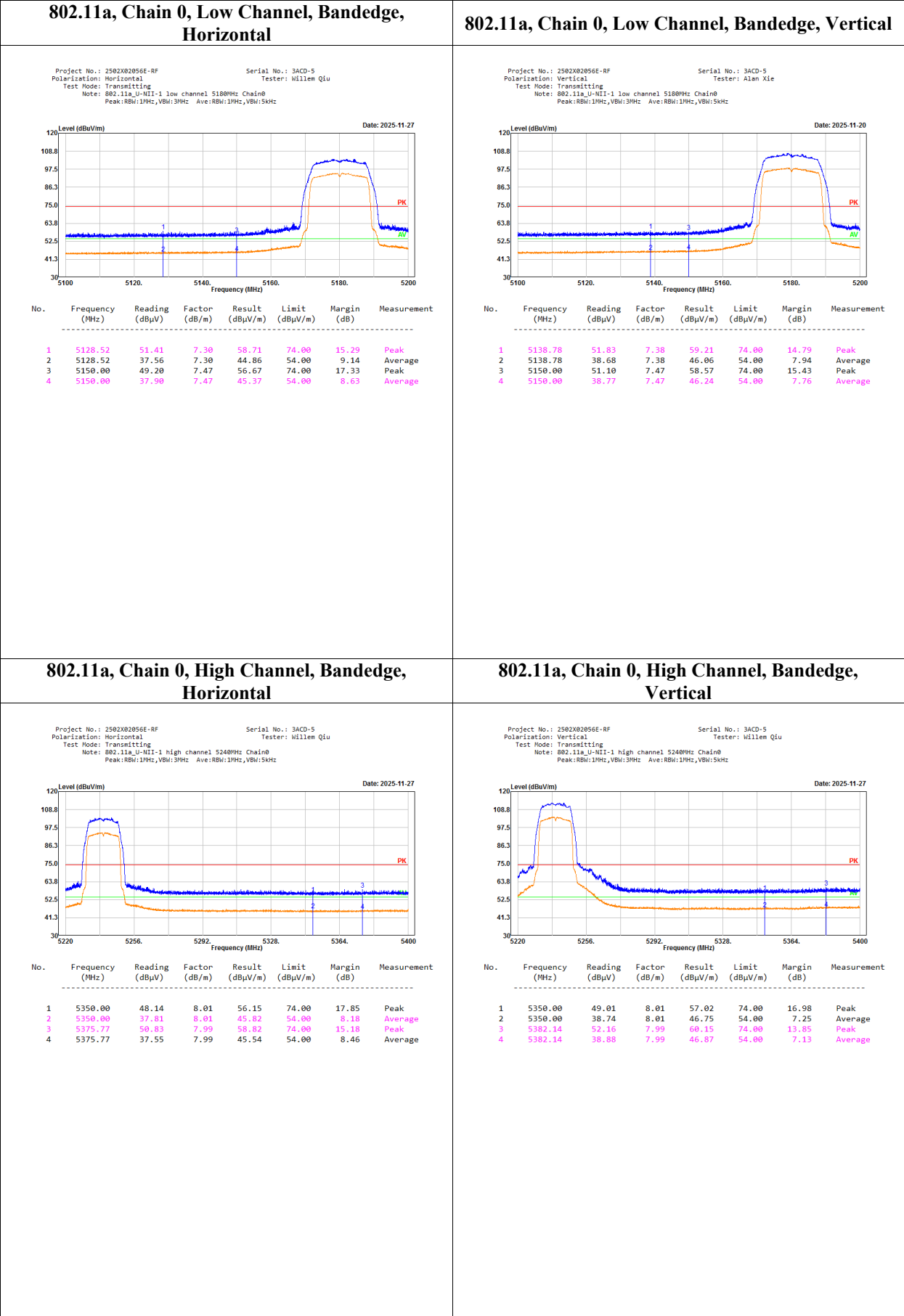
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	46.10	3.32	49.42	74.00	24.58	Peak
2	17325.00	46.99	6.94	53.93	68.20	14.27	Peak
3	17979.30	48.80	11.14	59.94	74.00	14.06	Peak
4	17979.30	35.64	11.14	46.78	54.00	7.22	Average

18GHz-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 5825MHz, Chain0, Horizontal								802.11a 5825MHz, Chain0, Vertical							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 5G WIFI Peak:RBW:1MHz,VBW:30Hz				Serial No.: 3ACD-5 Tester: Willem Qiu				Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 5G WIFI Peak:RBW:1MHz,VBW:30Hz				Serial No.: 3ACD-5 Tester: Willem Qiu			
															
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	19234.20	47.64	0.09	47.73	74.00	26.27	Peak	1	19897.20	47.79	0.20	47.99	74.00	26.01	Peak

Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 5G WIFI Peak:RBW:1MHz,VBW:30Hz				Serial No.: 3ACD-5 Tester: Willem Qiu				Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 5G WIFI Peak:RBW:1MHz,VBW:30Hz				Serial No.: 3ACD-5 Tester: Willem Qiu			
															
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	39287.20	44.34	8.59	52.93	74.00	21.07	Peak	1	39306.10	44.05	8.59	52.64	74.00	21.36	Peak

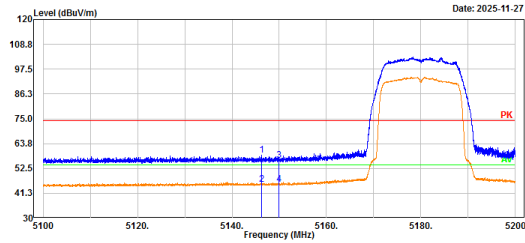
Test plots for Bandedge:
5150-5250MHz:



802.11a, Chain 1, Low Channel, Bandedge, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3ACD-5
Tester: Willem Qiu

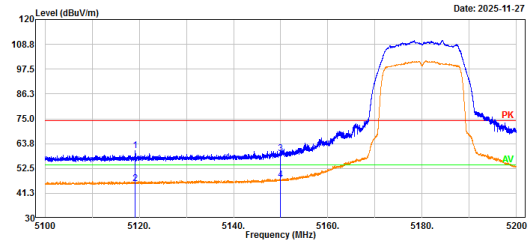


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5146.24	51.02	7.45	58.47	74.00	15.53	Peak
2	5146.24	37.87	7.45	45.32	54.00	8.68	Average
3	5150.00	48.66	7.47	56.13	74.00	17.87	Peak
4	5150.00	37.90	7.47	45.37	54.00	8.63	Average

802.11a, Chain 1, Low Channel, Bandedge, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3ACD-5
Tester: Willem Qiu

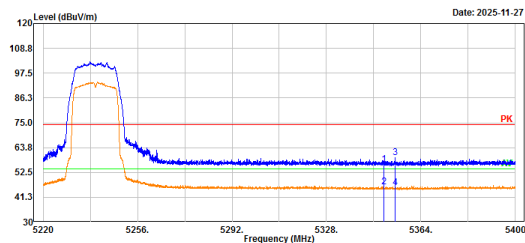


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5119.16	53.19	7.22	60.41	74.00	13.59	Peak
2	5119.16	38.47	7.22	45.69	54.00	8.31	Average
3	5150.00	51.57	7.47	59.04	74.00	14.96	Peak
4	5150.00	39.86	7.47	47.33	54.00	6.67	Average

802.11a, Chain 1, High Channel, Bandedge, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5340MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3ACD-5
Tester: Willem Qiu

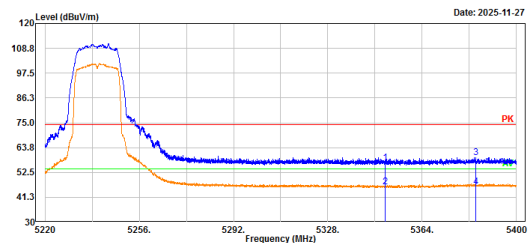


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5350.00	48.29	8.01	56.30	74.00	17.70	Peak
2	5350.00	37.88	8.01	45.89	54.00	8.11	Average
3	5354.06	51.15	8.00	59.15	74.00	14.85	Peak
4	5354.06	37.74	8.00	45.74	54.00	8.26	Average

802.11a, Chain 1, High Channel, Bandedge, Vertical

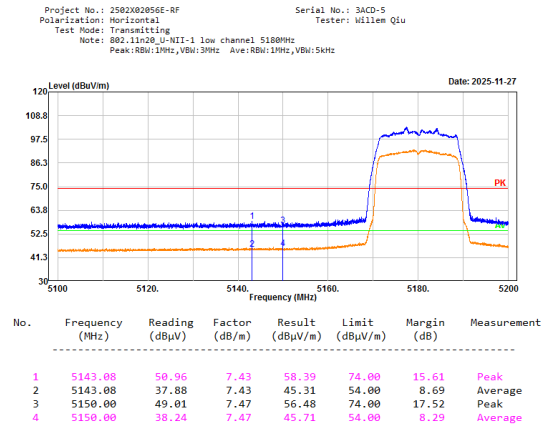
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5340MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3ACD-5
Tester: Willem Qiu

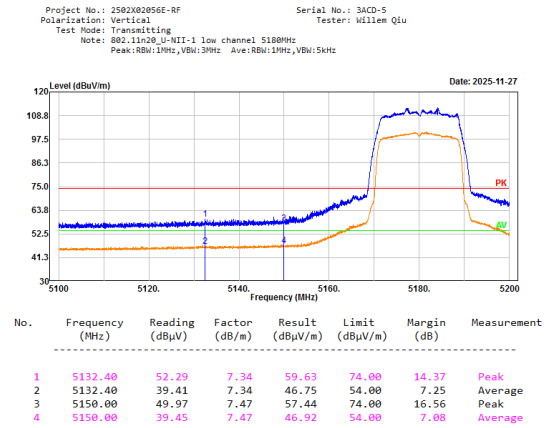


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5350.00	48.80	8.01	56.81	74.00	17.19	Peak
2	5350.00	38.11	8.01	46.12	54.00	7.88	Average
3	5384.34	51.34	7.98	59.32	74.00	14.68	Peak
4	5384.34	37.98	7.98	45.96	54.00	8.04	Average

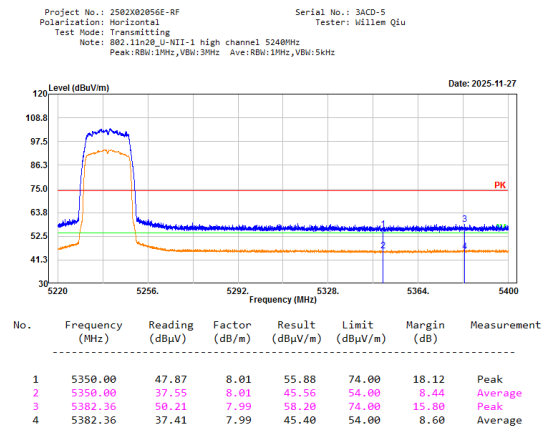
802.11n20, Low Channel, Bandedge, Horizontal



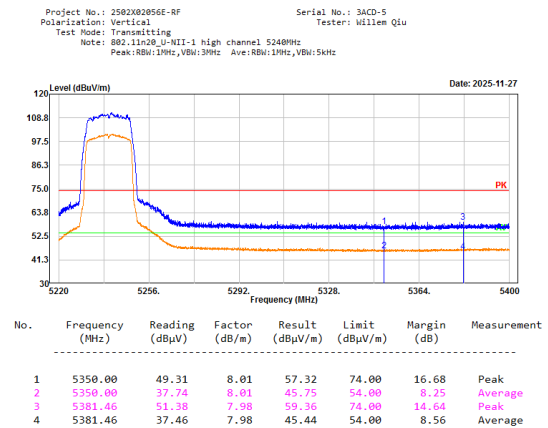
802.11n20, Low Channel, Bandedge, Vertical

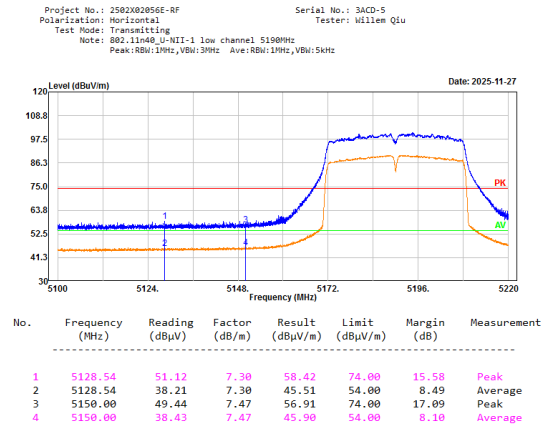
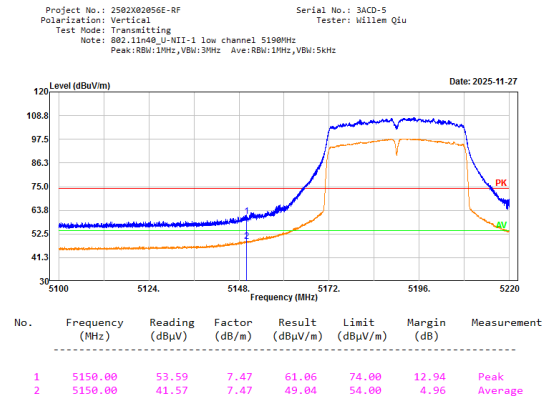
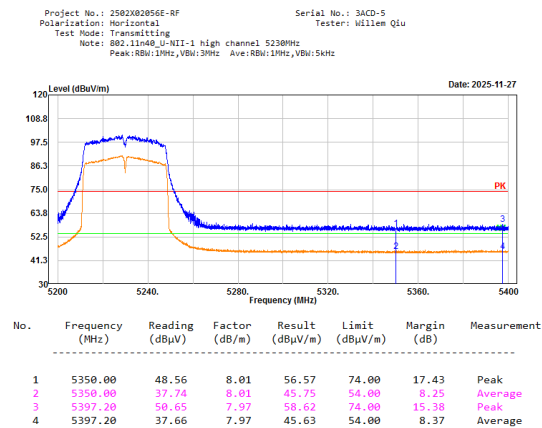
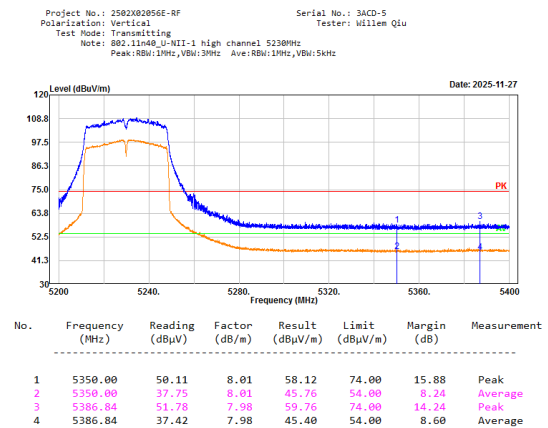


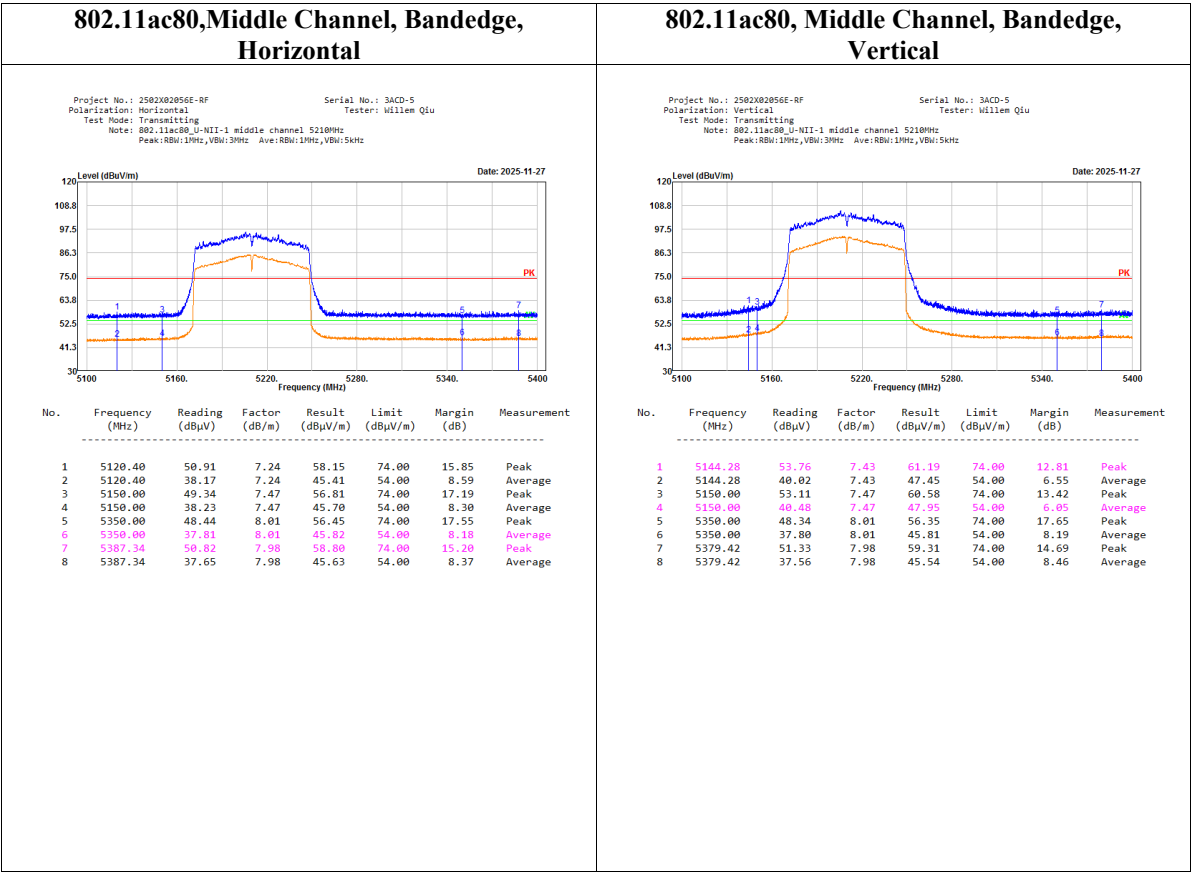
802.11n20, High Channel, Bandedge, Horizontal



802.11n20, High Channel, Bandedge, Vertical

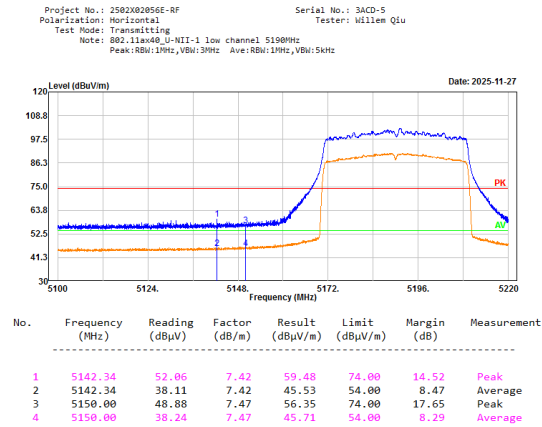


802.11n40, Low Channel, Bandedge, Horizontal**802.11n40, Low Channel, Bandedge, Vertical****802.11n40, High Channel, Bandedge, Horizontal****802.11n40, High Channel, Bandedge, Vertical**

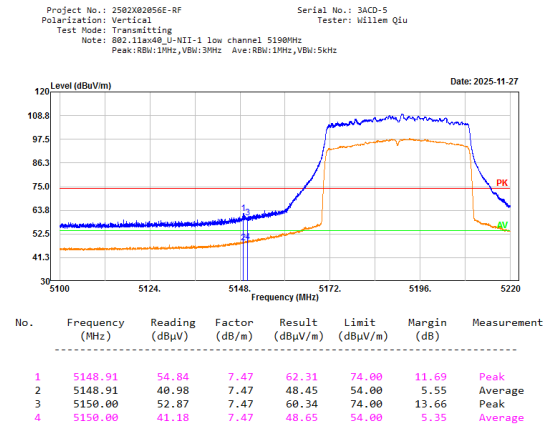


802.11ax20,Low Channel, Bandedge, Horizontal Project No.: 2502X02056E-RF Serial No.: 3ACD-5 Polarization: Horizontal Tester: Willem Qiu Test Mode: Transmitting Note: 802.11ax20_U-NII-1 low channel 5180MHz Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5100 5120 5140 5160 5180 5200 Frequency (MHz) Date: 2025-11-27 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5136.36</td><td>51.55</td><td>7.36</td><td>58.91</td><td>74.00</td><td>15.09</td><td>Peak</td></tr><tr><td>2</td><td>5136.36</td><td>38.24</td><td>7.36</td><td>45.60</td><td>54.00</td><td>8.40</td><td>Average</td></tr><tr><td>3</td><td>5150.00</td><td>48.85</td><td>7.47</td><td>56.32</td><td>74.00</td><td>17.68</td><td>Peak</td></tr><tr><td>4</td><td>5150.00</td><td>38.46</td><td>7.47</td><td>45.93</td><td>54.00</td><td>8.07</td><td>Average</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5136.36	51.55	7.36	58.91	74.00	15.09	Peak	2	5136.36	38.24	7.36	45.60	54.00	8.40	Average	3	5150.00	48.85	7.47	56.32	74.00	17.68	Peak	4	5150.00	38.46	7.47	45.93	54.00	8.07	Average	802.11ax20,Low Channel, Bandedge, Vertical Project No.: 2502X02056E-RF Serial No.: 3ACD-5 Polarization: Vertical Tester: Willem Qiu Test Mode: Transmitting Note: 802.11ax20_U-NII-1 low channel 5180MHz Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5100 5120 5140 5160 5180 5200 Frequency (MHz) Date: 2025-11-27 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5145.36</td><td>51.89</td><td>7.43</td><td>59.32</td><td>74.00</td><td>14.68</td><td>Peak</td></tr><tr><td>2</td><td>5145.36</td><td>38.33</td><td>7.43</td><td>45.76</td><td>54.00</td><td>8.24</td><td>Average</td></tr><tr><td>3</td><td>5150.00</td><td>50.19</td><td>7.47</td><td>57.66</td><td>74.00</td><td>16.34</td><td>Peak</td></tr><tr><td>4</td><td>5150.00</td><td>38.44</td><td>7.47</td><td>45.91</td><td>54.00</td><td>8.09</td><td>Average</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5145.36	51.89	7.43	59.32	74.00	14.68	Peak	2	5145.36	38.33	7.43	45.76	54.00	8.24	Average	3	5150.00	50.19	7.47	57.66	74.00	16.34	Peak	4	5150.00	38.44	7.47	45.91	54.00	8.09	Average
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																																										
1	5136.36	51.55	7.36	58.91	74.00	15.09	Peak																																																																										
2	5136.36	38.24	7.36	45.60	54.00	8.40	Average																																																																										
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4	5150.00	38.46	7.47	45.93	54.00	8.07	Average																																																																										
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																																										
1	5145.36	51.89	7.43	59.32	74.00	14.68	Peak																																																																										
2	5145.36	38.33	7.43	45.76	54.00	8.24	Average																																																																										
3	5150.00	50.19	7.47	57.66	74.00	16.34	Peak																																																																										
4	5150.00	38.44	7.47	45.91	54.00	8.09	Average																																																																										
802.11ax20,High Channel, Bandedge, Horizontal Project No.: 2502X02056E-RF Serial No.: 3ACD-5 Polarization: Horizontal Tester: Willem Qiu Test Mode: Transmitting Note: 802.11ax20_U-NII-1 high channel 5240MHz Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5220 5256 5292 5328 5364 5400 Frequency (MHz) Date: 2025-11-27 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5350.00</td><td>48.81</td><td>8.01</td><td>56.82</td><td>74.00</td><td>17.18</td><td>Peak</td></tr><tr><td>2</td><td>5350.00</td><td>37.74</td><td>8.01</td><td>45.75</td><td>54.00</td><td>8.25</td><td>Average</td></tr><tr><td>3</td><td>5395.07</td><td>50.66</td><td>7.97</td><td>58.63</td><td>74.00</td><td>15.37</td><td>Peak</td></tr><tr><td>4</td><td>5395.07</td><td>37.65</td><td>7.97</td><td>45.62</td><td>54.00</td><td>8.38</td><td>Average</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5350.00	48.81	8.01	56.82	74.00	17.18	Peak	2	5350.00	37.74	8.01	45.75	54.00	8.25	Average	3	5395.07	50.66	7.97	58.63	74.00	15.37	Peak	4	5395.07	37.65	7.97	45.62	54.00	8.38	Average	802.11ax20,High Channel, Bandedge, Vertical Project No.: 2502X02056E-RF Serial No.: 3ACD-5 Polarization: Vertical Tester: Willem Qiu Test Mode: Transmitting Note: 802.11ax20_U-NII-1 high channel 5240MHz Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5220 5256 5292 5328 5364 5400 Frequency (MHz) Date: 2025-11-27 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5350.00</td><td>48.22</td><td>8.01</td><td>56.23</td><td>74.00</td><td>17.77</td><td>Peak</td></tr><tr><td>2</td><td>5350.00</td><td>38.11</td><td>8.01</td><td>46.12</td><td>54.00</td><td>7.88</td><td>Average</td></tr><tr><td>3</td><td>5357.30</td><td>50.94</td><td>8.00</td><td>58.94</td><td>74.00</td><td>15.06</td><td>Peak</td></tr><tr><td>4</td><td>5357.30</td><td>37.89</td><td>8.00</td><td>45.89</td><td>54.00</td><td>8.11</td><td>Average</td></tr></table>	No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5350.00	48.22	8.01	56.23	74.00	17.77	Peak	2	5350.00	38.11	8.01	46.12	54.00	7.88	Average	3	5357.30	50.94	8.00	58.94	74.00	15.06	Peak	4	5357.30	37.89	8.00	45.89	54.00	8.11	Average
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																																										
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4	5395.07	37.65	7.97	45.62	54.00	8.38	Average																																																																										
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1	5350.00	48.22	8.01	56.23	74.00	17.77	Peak																																																																										
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3	5357.30	50.94	8.00	58.94	74.00	15.06	Peak																																																																										
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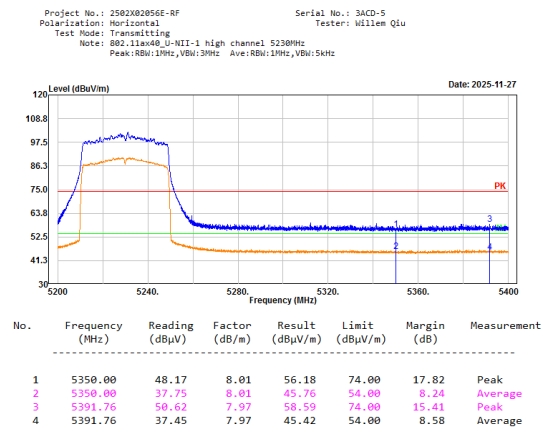
802.11ax40,Low Channel, Bandedge, Horizontal



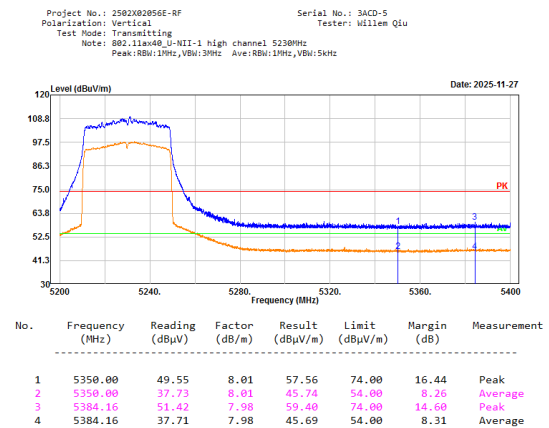
802.11ax40,Low Channel, Bandedge, Vertical



802.11ax40,High Channel, Bandedge, Horizontal

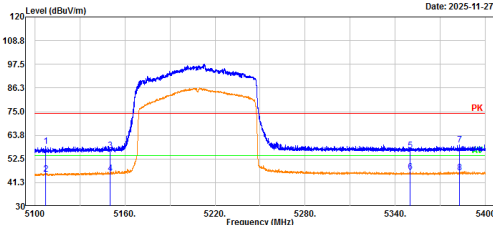


802.11ax40,High Channel, Bandedge, Vertical



802.11ax80, Middle Channel, Bandedge,
Horizontal

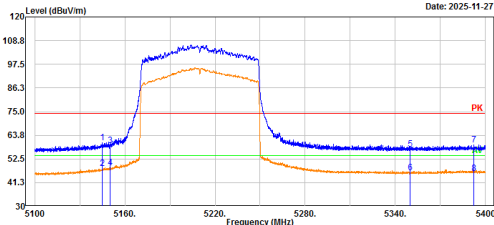
Project No.: 2502X02056E-RF Serial No.: 3ACD-5
Polarization: Horizontal Tester: Willem Qiu
Test Mode: Transmitting
Note: 802.11ax80_U-NII-1 middle channel 5210MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5107.56	51.42	7.15	58.57	74.00	15.43	Peak
2	5107.56	38.11	7.15	45.26	54.00	8.74	Average
3	5150.00	49.16	7.47	56.63	74.00	17.37	Peak
4	5150.00	38.22	7.47	45.69	54.00	8.31	Average
5	5350.00	48.59	8.01	56.60	74.00	17.40	Peak
6	5350.00	38.13	8.01	46.14	54.00	7.86	Average
7	5382.66	51.16	7.98	59.14	74.00	14.86	Peak
8	5382.66	37.89	7.98	45.87	54.00	8.13	Average

802.11ax80, Middle Channel, Bandedge,
Vertical

Project No.: 2502X02056E-RF Serial No.: 3ACD-5
Polarization: Vertical Tester: Willem Qiu
Test Mode: Transmitting
Note: 802.11ax80_U-NII-1 middle channel 5210MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5145.12	52.71	7.43	60.14	74.00	13.86	Peak
2	5145.12	40.46	7.43	47.89	54.00	6.11	Average
3	5150.00	51.45	7.47	58.92	74.00	15.08	Peak
4	5150.00	40.87	7.47	48.34	54.00	5.66	Average
5	5350.00	49.14	8.01	57.15	74.00	16.85	Peak
6	5350.00	37.88	8.01	45.89	54.00	8.11	Average
7	5392.32	51.38	7.98	59.36	74.00	14.64	Peak
8	5392.32	37.58	7.98	45.56	54.00	8.44	Average

5725-5850MHz:

802.11a, Chain 0, Low Channel, Bandedge, Horizontal																																																							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11a_U-NII-3 low channel 5745MHz Chain0 Peak:RBW:1MHz,VBW:3MHz Serial No.: 3ACD-5 Tester: Willem Qiu Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5600 5632 5664 5696 5728 5760 Frequency (MHz) Date: 2025-11-26 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5650.00</td><td>48.40</td><td>8.82</td><td>57.22</td><td>68.20</td><td>10.98</td><td>Peak</td></tr><tr><td>2</td><td>5700.00</td><td>49.24</td><td>8.85</td><td>58.09</td><td>105.20</td><td>47.11</td><td>Peak</td></tr><tr><td>3</td><td>5720.00</td><td>49.24</td><td>8.91</td><td>58.15</td><td>110.80</td><td>52.65</td><td>Peak</td></tr><tr><td>4</td><td>5725.00</td><td>51.07</td><td>8.93</td><td>60.00</td><td>122.20</td><td>62.20</td><td>Peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5650.00	48.40	8.82	57.22	68.20	10.98	Peak	2	5700.00	49.24	8.85	58.09	105.20	47.11	Peak	3	5720.00	49.24	8.91	58.15	110.80	52.65	Peak	4	5725.00	51.07	8.93	60.00	122.20	62.20	Peak	802.11a, Chain 0, Low Channel, Bandedge, Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	5650.00	48.40	8.82	57.22	68.20	10.98	Peak																																																
2	5700.00	49.24	8.85	58.09	105.20	47.11	Peak																																																
3	5720.00	49.24	8.91	58.15	110.80	52.65	Peak																																																
4	5725.00	51.07	8.93	60.00	122.20	62.20	Peak																																																
Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11a_U-NII-3 low channel 5745MHz Chain0 Peak:RBW:1MHz,VBW:3MHz Serial No.: 3ACD-5 Tester: Willem Qiu Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5600 5632 5664 5696 5728 5760 Frequency (MHz) Date: 2025-11-26 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5650.00</td><td>49.20</td><td>8.82</td><td>58.02</td><td>68.20</td><td>10.18</td><td>Peak</td></tr><tr><td>2</td><td>5700.00</td><td>49.35</td><td>8.85</td><td>58.20</td><td>105.20</td><td>47.00</td><td>Peak</td></tr><tr><td>3</td><td>5720.00</td><td>51.83</td><td>8.91</td><td>60.74</td><td>110.80</td><td>50.06</td><td>Peak</td></tr><tr><td>4</td><td>5725.00</td><td>55.38</td><td>8.93</td><td>64.31</td><td>122.20</td><td>57.89</td><td>Peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5650.00	49.20	8.82	58.02	68.20	10.18	Peak	2	5700.00	49.35	8.85	58.20	105.20	47.00	Peak	3	5720.00	51.83	8.91	60.74	110.80	50.06	Peak	4	5725.00	55.38	8.93	64.31	122.20	57.89	Peak								
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	5650.00	49.20	8.82	58.02	68.20	10.18	Peak																																																
2	5700.00	49.35	8.85	58.20	105.20	47.00	Peak																																																
3	5720.00	51.83	8.91	60.74	110.80	50.06	Peak																																																
4	5725.00	55.38	8.93	64.31	122.20	57.89	Peak																																																
802.11a, Chain 0, High Channel, Bandedge, Horizontal																																																							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11a_U-NII-3 high channel 5825MHz Chain0 Peak:RBW:1MHz,VBW:3MHz Serial No.: 3ACD-5 Tester: Willem Qiu Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5810 5838 5866 5894 5922 5950 Frequency (MHz) Date: 2025-11-26 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5850.00</td><td>48.98</td><td>9.10</td><td>58.08</td><td>122.20</td><td>64.12</td><td>Peak</td></tr><tr><td>2</td><td>5855.00</td><td>49.14</td><td>9.12</td><td>58.26</td><td>110.80</td><td>52.54</td><td>Peak</td></tr><tr><td>3</td><td>5875.00</td><td>49.23</td><td>9.16</td><td>58.39</td><td>105.20</td><td>46.81</td><td>Peak</td></tr><tr><td>4</td><td>5925.00</td><td>49.60</td><td>9.24</td><td>58.84</td><td>68.20</td><td>9.36</td><td>Peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5850.00	48.98	9.10	58.08	122.20	64.12	Peak	2	5855.00	49.14	9.12	58.26	110.80	52.54	Peak	3	5875.00	49.23	9.16	58.39	105.20	46.81	Peak	4	5925.00	49.60	9.24	58.84	68.20	9.36	Peak	802.11a, Chain 0, High Channel, Bandedge, Vertical							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	5850.00	48.98	9.10	58.08	122.20	64.12	Peak																																																
2	5855.00	49.14	9.12	58.26	110.80	52.54	Peak																																																
3	5875.00	49.23	9.16	58.39	105.20	46.81	Peak																																																
4	5925.00	49.60	9.24	58.84	68.20	9.36	Peak																																																
Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11a_U-NII-3 high channel 5825MHz Chain0 Peak:RBW:1MHz,VBW:3MHz Serial No.: 3ACD-5 Tester: Willem Qiu Level (dBuV/m) 120 108.8 97.5 86.3 75.0 63.8 52.5 41.3 30 5810 5838 5866 5894 5922 5950 Frequency (MHz) Date: 2025-11-26 <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>5850.00</td><td>50.90</td><td>9.10</td><td>60.00</td><td>122.20</td><td>62.20</td><td>Peak</td></tr><tr><td>2</td><td>5855.00</td><td>50.55</td><td>9.12</td><td>59.67</td><td>110.80</td><td>51.13</td><td>Peak</td></tr><tr><td>3</td><td>5875.00</td><td>49.26</td><td>9.16</td><td>58.42</td><td>105.20</td><td>46.78</td><td>Peak</td></tr><tr><td>4</td><td>5925.00</td><td>49.43</td><td>9.24</td><td>58.67</td><td>68.20</td><td>9.53</td><td>Peak</td></tr></table>								No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	5850.00	50.90	9.10	60.00	122.20	62.20	Peak	2	5855.00	50.55	9.12	59.67	110.80	51.13	Peak	3	5875.00	49.26	9.16	58.42	105.20	46.78	Peak	4	5925.00	49.43	9.24	58.67	68.20	9.53	Peak								
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																																
1	5850.00	50.90	9.10	60.00	122.20	62.20	Peak																																																
2	5855.00	50.55	9.12	59.67	110.80	51.13	Peak																																																
3	5875.00	49.26	9.16	58.42	105.20	46.78	Peak																																																
4	5925.00	49.43	9.24	58.67	68.20	9.53	Peak																																																

802.11a, Chain 1, Low Channel, Bandedge, Horizontal							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11a_U-NII-3 low channel 5745MHz Chain1 Peak:RBW:1MHz,VBW:3MHz				Serial No.: 3ACD-5 Tester: Willem Qiu			
Date: 2025-11-26							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	48.44	8.82	57.26	68.20	10.94	Peak
2	5700.00	49.14	8.85	57.99	105.20	47.21	Peak
3	5720.00	48.95	8.91	57.86	110.80	52.94	Peak
4	5725.00	50.63	8.93	59.56	122.20	62.64	Peak

802.11a, Chain 1, Low Channel, Bandedge, Vertical							
Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11a_U-NII-3 low channel 5745MHz Chain1 Peak:RBW:1MHz,VBW:3MHz				Serial No.: 3ACD-5 Tester: Willem Qiu			
Date: 2025-11-26							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	48.36	8.82	57.18	68.20	11.02	Peak
2	5700.00	48.68	8.85	57.53	105.20	47.67	Peak
3	5720.00	50.04	8.91	58.95	110.80	51.85	Peak
4	5725.00	51.87	8.93	60.80	122.20	61.40	Peak

802.11a, Chain 1, High Channel, Bandedge, Horizontal							
Project No.: 2502X02056E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11a_U-NII-3 high channel 5825MHz Chain1 Peak:RBW:1MHz,VBW:3MHz				Serial No.: 3ACD-5 Tester: Willem Qiu			
Date: 2025-11-26							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	48.75	9.10	57.85	122.20	64.35	Peak
2	5855.00	49.39	9.12	58.51	110.80	52.29	Peak
3	5875.00	49.68	9.16	58.84	105.20	46.36	Peak
4	5925.00	49.23	9.24	58.47	68.20	9.73	Peak

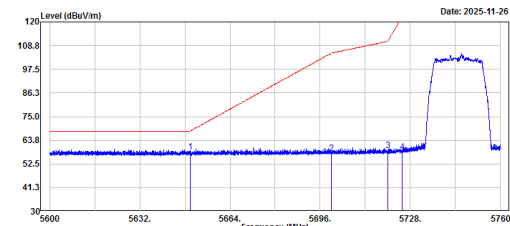
802.11a, Chain 1, High Channel, Bandedge, Vertical							
Project No.: 2502X02056E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11a_U-NII-3 high channel 5825MHz Chain1 Peak:RBW:1MHz,VBW:3MHz				Serial No.: 3ACD-5 Tester: Willem Qiu			
Date: 2025-11-26							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	49.76	9.10	58.86	122.20	63.34	Peak
2	5855.00	49.83	9.12	58.95	110.80	51.85	Peak
3	5875.00	49.59	9.16	58.75	105.20	46.45	Peak
4	5925.00	49.59	9.24	58.83	68.20	9.37	Peak

802.11n20,Low Channel, Bandedge, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 low channel 5745MHz
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26



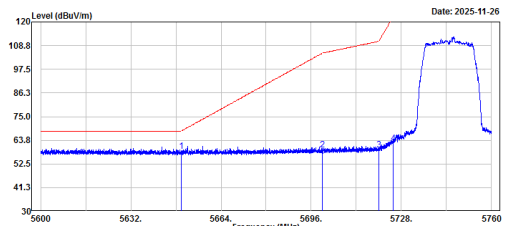
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	49.24	8.82	58.06	68.20	10.14	Peak
2	5700.00	48.65	8.85	57.50	105.20	47.70	Peak
3	5720.00	49.93	8.91	58.84	110.80	51.96	Peak
4	5725.00	49.23	8.93	58.16	122.20	64.04	Peak

802.11n20,Low Channel, Bandedge, Vertical

Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 low channel 5745MHz
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26



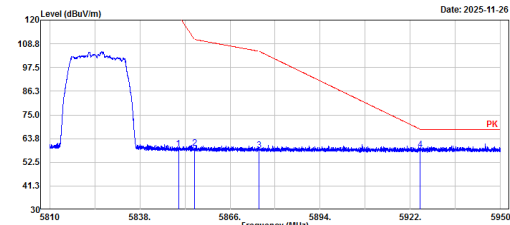
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	49.56	8.82	58.38	68.20	9.82	Peak
2	5700.00	50.31	8.85	59.16	105.20	46.04	Peak
3	5720.00	50.31	8.91	59.22	110.80	51.58	Peak
4	5725.00	53.26	8.93	62.19	122.20	60.01	Peak

802.11n20,High Channel, Bandedge, Horizontal

Project No.: 2502X02056E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 high channel 5825MHz
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26



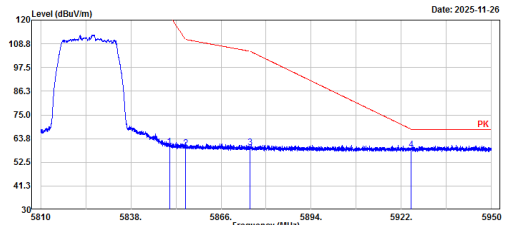
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	49.79	9.10	58.89	122.20	63.31	Peak
2	5855.00	50.04	9.12	59.16	110.80	51.64	Peak
3	5875.00	48.92	9.16	58.08	105.20	47.12	Peak
4	5925.00	49.24	9.24	58.48	68.20	9.72	Peak

802.11n20, High Channel, Bandedge, Vertical

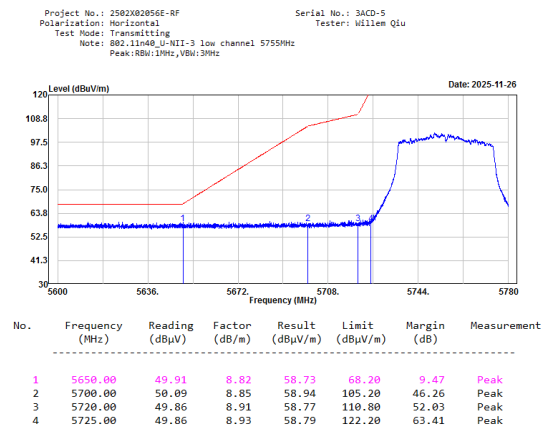
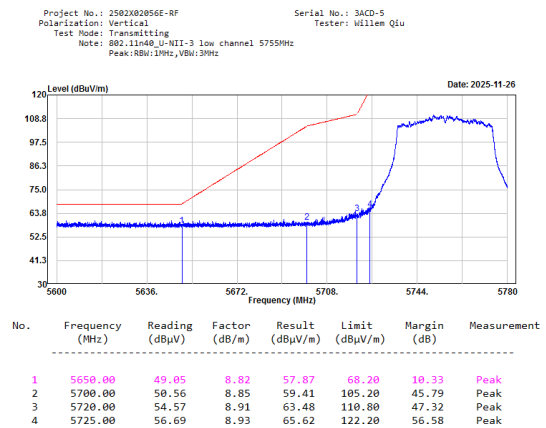
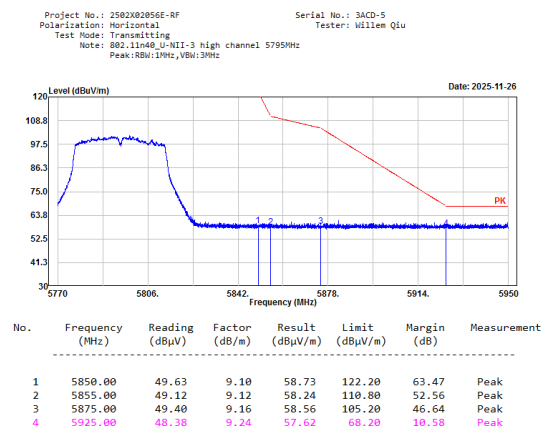
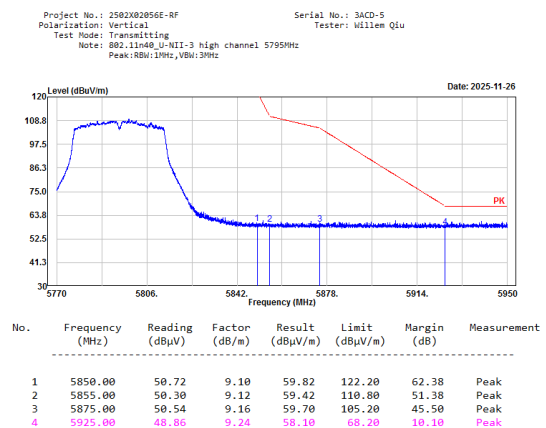
Project No.: 2502X02056E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 high channel 5825MHz
Peak:RBW:1MHz,VBW:30Hz

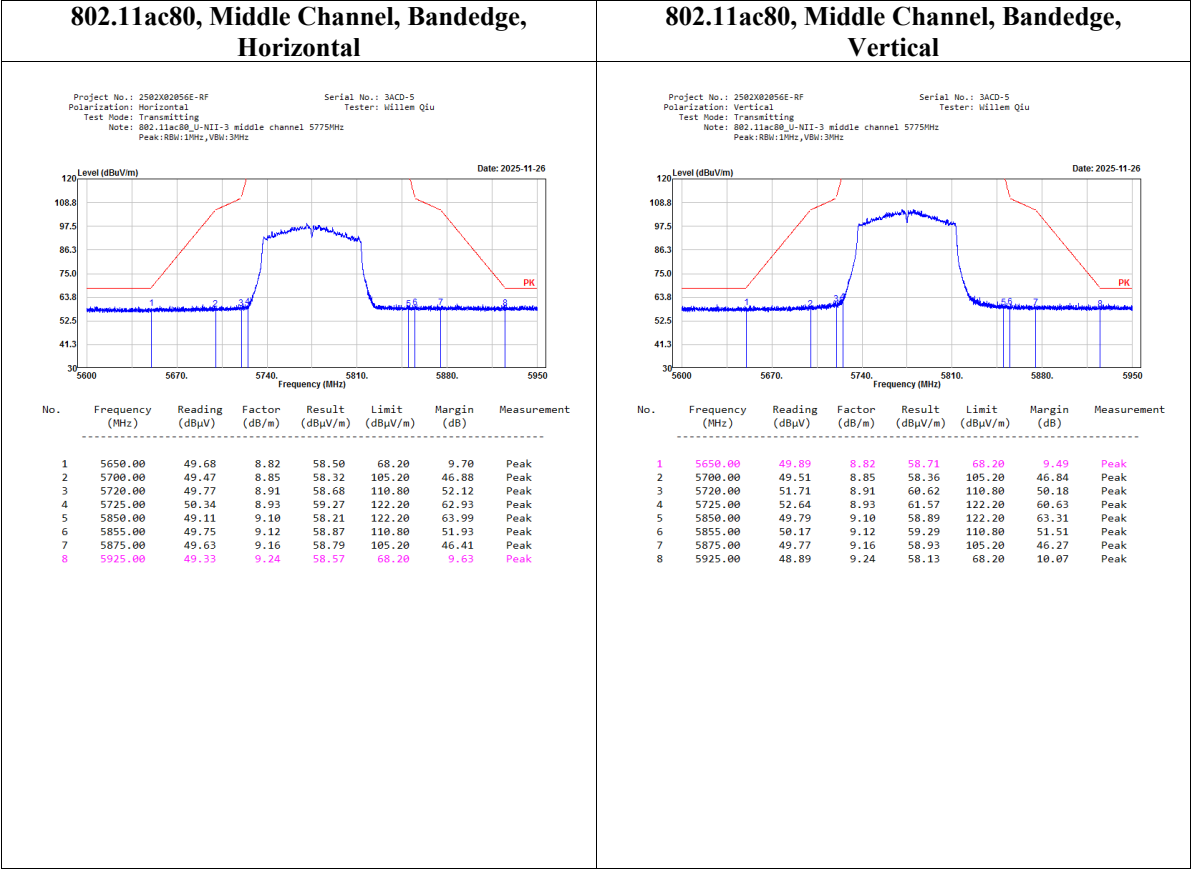
Serial No.: 3ACD-5
Tester: Willem Qiu

Date: 2025-11-26

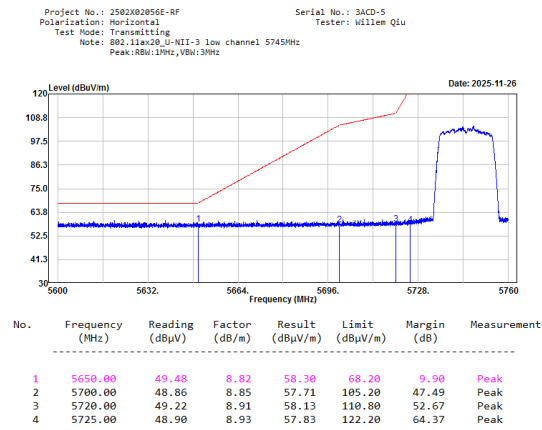


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	50.92	9.10	60.02	122.20	62.18	Peak
2	5855.00	49.99	9.12	59.11	110.80	51.69	Peak
3	5875.00	50.52	9.16	59.68	105.20	45.52	Peak
4	5925.00	49.33	9.24	58.57	68.20	9.63	Peak

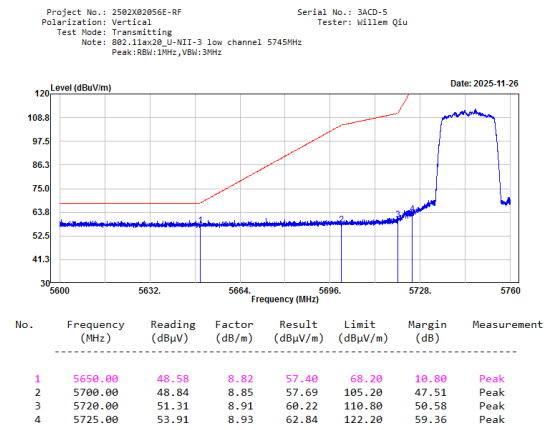
802.11n40,Low Channel, Bandedge, Horizontal**802.11n40,Low Channel, Bandedge, Vertical****802.11n40,High Channel, Bandedge, Horizontal****802.11n40,High Channel, Bandedge, Vertical**



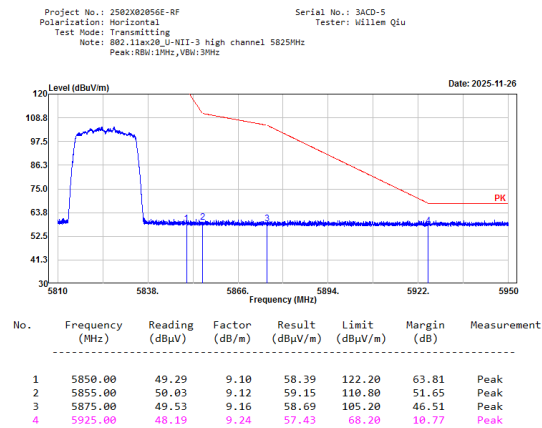
802.11ax20,Low Channel, Bandedge, Horizontal



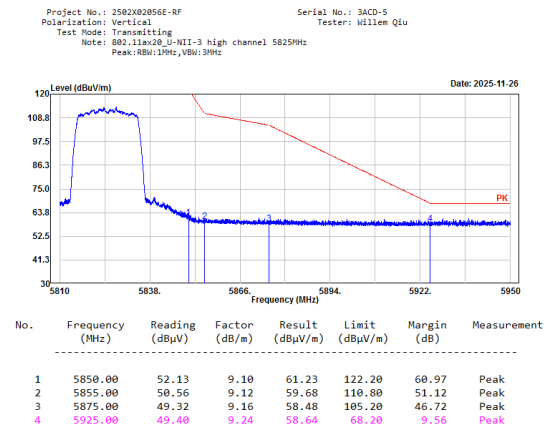
802.11ax20,Low Channel, Bandedge, Vertical

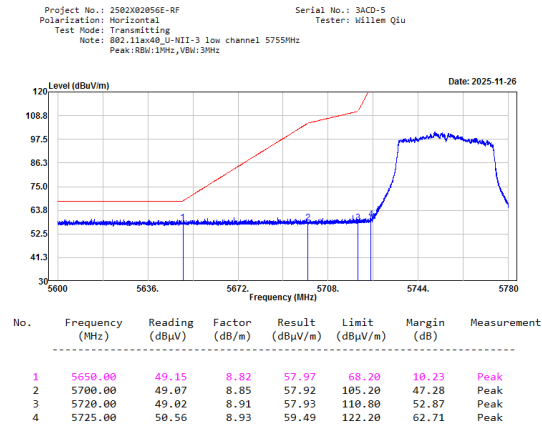
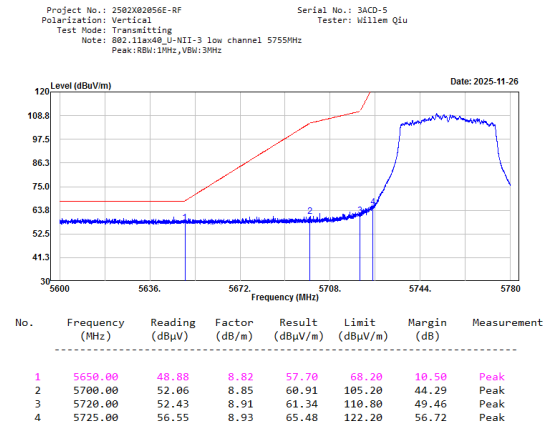
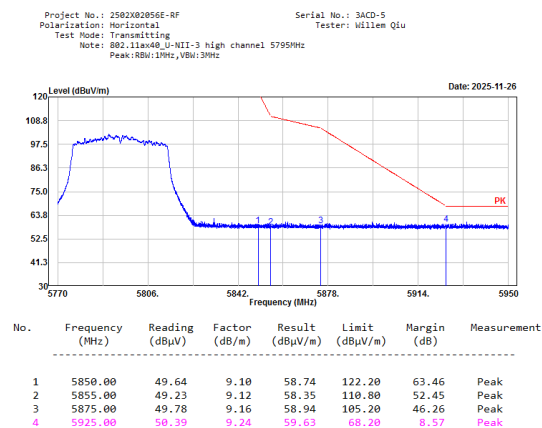
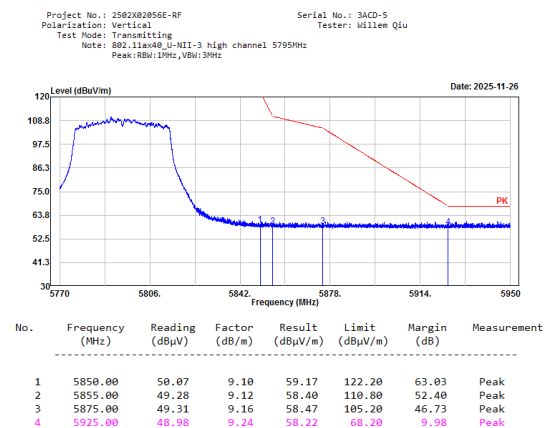


802.11ax20,High Channel, Bandedge, Horizontal



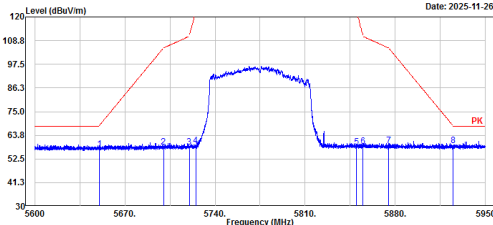
802.11ax20,High Channel, Bandedge, Vertical



802.11ax40,Low Channel, Bandedge, Horizontal**802.11ax40,Low Channel, Bandedge, Vertical****802.11ax40,High Channel, Bandedge, Horizontal****802.11ax40,High Channel, Bandedge, Vertical**

802.11ax80, Middle Channel, Bandedge,
Horizontal

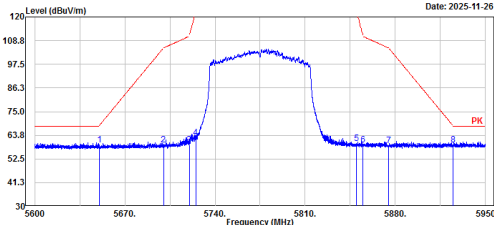
Project No.: 2502X02056E-RF Serial No.: 3ACD-5
Polarization: Horizontal Tester: Willem Qiu
Test Mode: Transmitting
Note: 802.11ax80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	48.47	8.82	57.29	68.20	10.91	Peak
2	5700.00	49.38	8.85	58.23	105.20	46.97	Peak
3	5720.00	49.27	8.91	58.18	110.80	52.62	Peak
4	5725.00	49.94	8.93	58.87	122.20	63.33	Peak
5	5850.00	49.20	9.10	58.30	122.20	63.90	Peak
6	5855.00	49.44	9.12	58.56	110.80	52.24	Peak
7	5875.00	49.60	9.16	58.76	105.20	46.44	Peak
8	5925.00	49.70	9.24	58.94	68.20	9.26	Peak

802.11ax80, Middle Channel, Bandedge,
Vertical

Project No.: 2502X02056E-RF Serial No.: 3ACD-5
Polarization: Vertical Tester: Willem Qiu
Test Mode: Transmitting
Note: 802.11ax80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	50.28	8.82	59.10	68.20	9.10	Peak
2	5700.00	50.34	8.85	59.19	105.20	46.01	Peak
3	5720.00	50.28	8.91	59.19	110.80	51.61	Peak
4	5725.00	53.57	8.93	62.50	122.20	59.70	Peak
5	5850.00	50.87	9.10	59.97	122.20	62.23	Peak
6	5855.00	50.17	9.12	59.29	110.80	51.51	Peak
7	5875.00	49.77	9.16	58.93	105.20	46.27	Peak
8	5925.00	49.91	9.24	59.15	68.20	9.05	Peak

5.3 26dB attenuated below the channel power

Test Information:

Serial No.:	3ACD-6	Test Date:	2026/01/21~2026/03/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Conor Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.2-25.8	Relative Humidity: (%)	35-48	ATM Pressure: (kPa)	101.2-101.6
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Test Equipment List and Details:

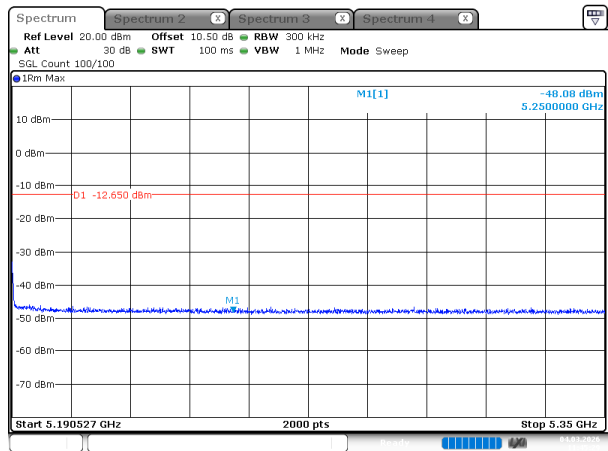
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27

* 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:

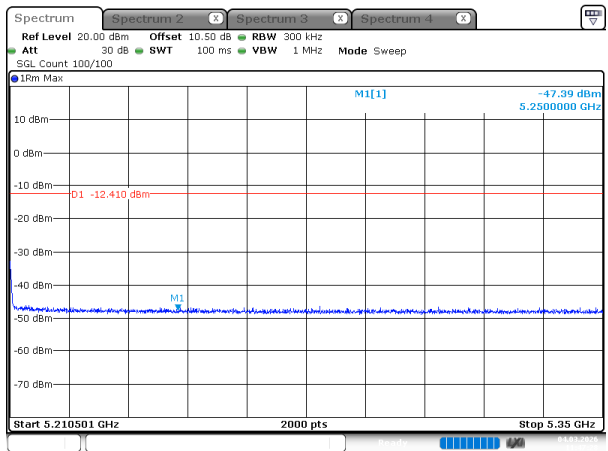
5150-5250MHz

802.11a_5180MHz_Chain 0



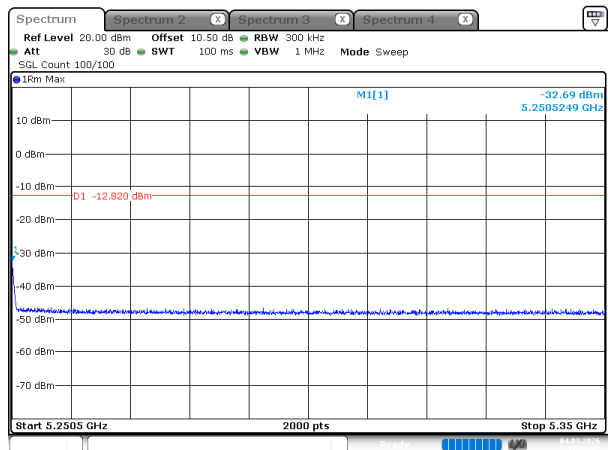
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 4.MAR.2026 11:45:29

802.11a_5200MHz_Chain 0



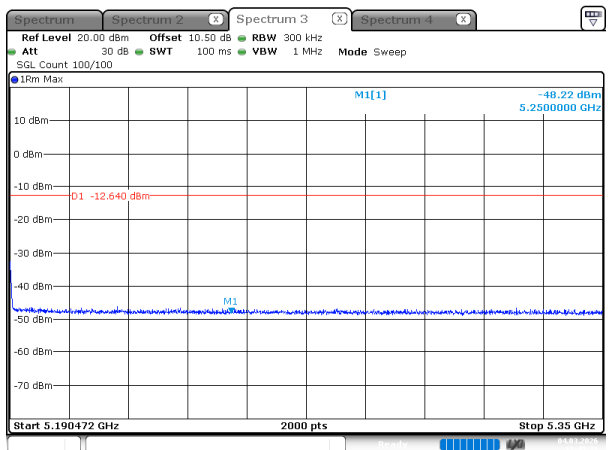
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Date: 4.MAR.2026 11:47:29

802.11a_5240MHz_Chain 0



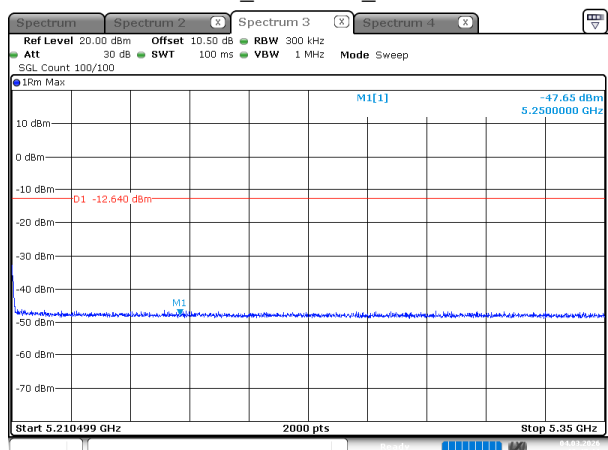
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Date: 4.MAR.2026 11:57:02

802.11a_5180MHz_Chain 1



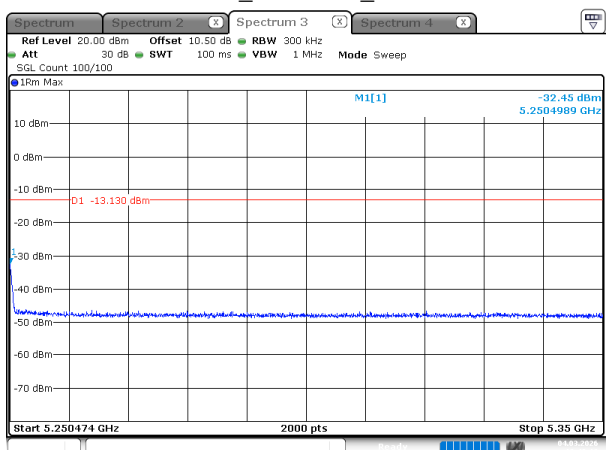
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Date: 4.MAR.2026 12:45:32

802.11a_5200MHz_Chain 1



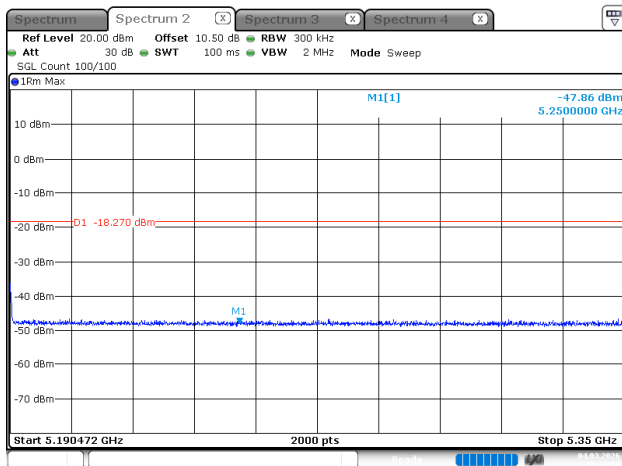
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 4.MAR.2026 12:47:11

802.11a_5240MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 4.MAR.2026 12:49:12

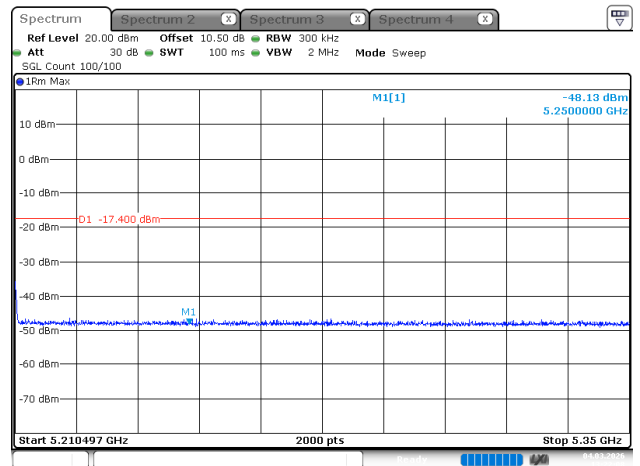
802.11n20_5180MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 4.MAR.2026 13:17:36

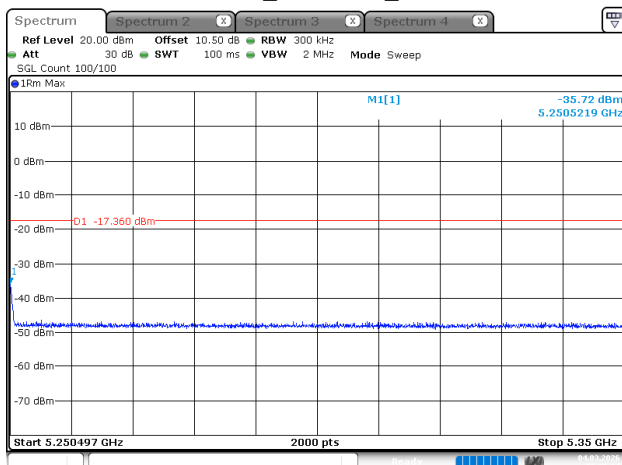
802.11n20_5200MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 4.MAR.2026 13:22:09

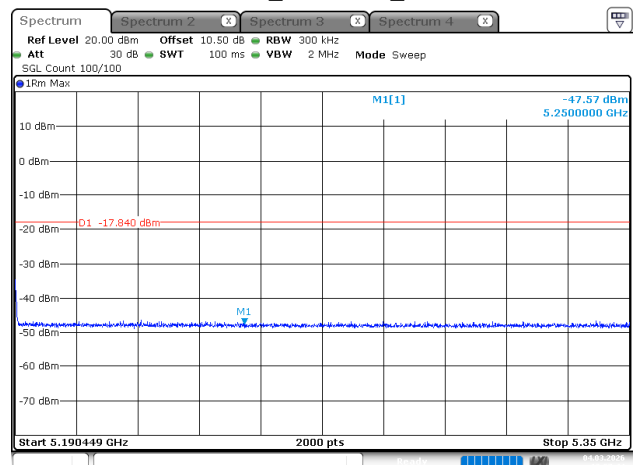
802.11n20_5240MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 4.MAR.2026 13:25:04

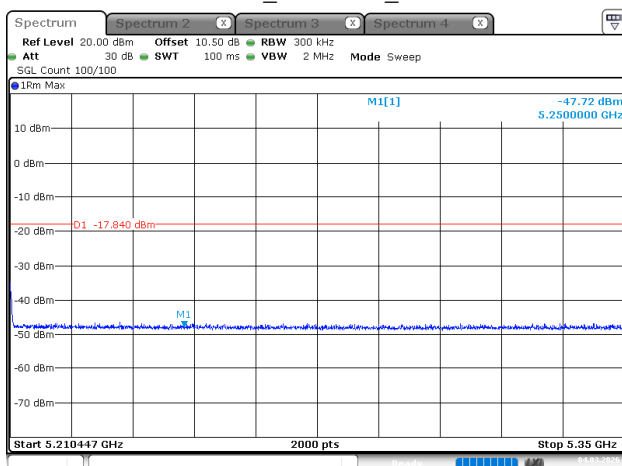
802.11n20_5180MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 4.MAR.2026 13:07:44

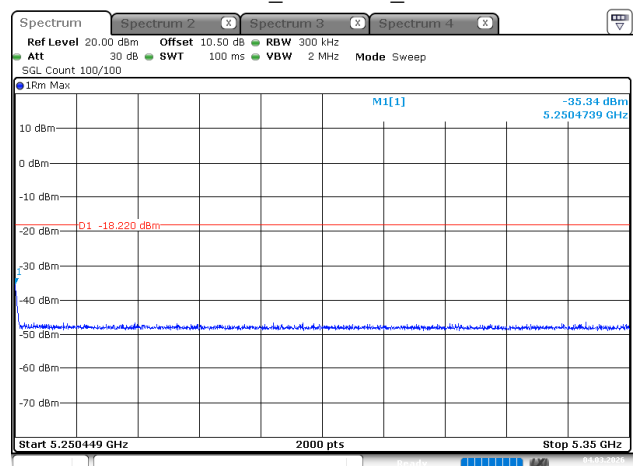
802.11n20_5200MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 4.MAR.2026 13:09:10

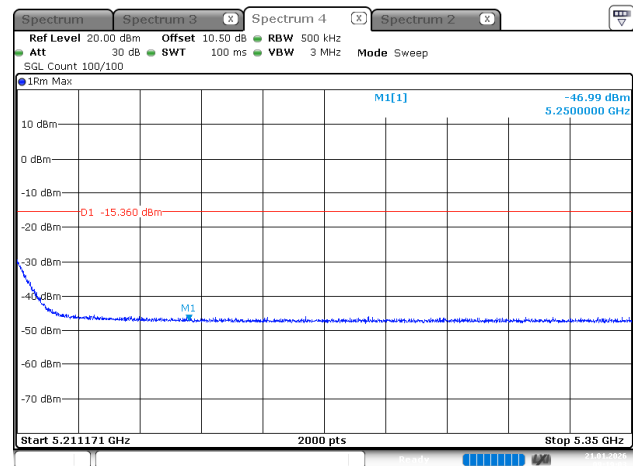
802.11n20_5240MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

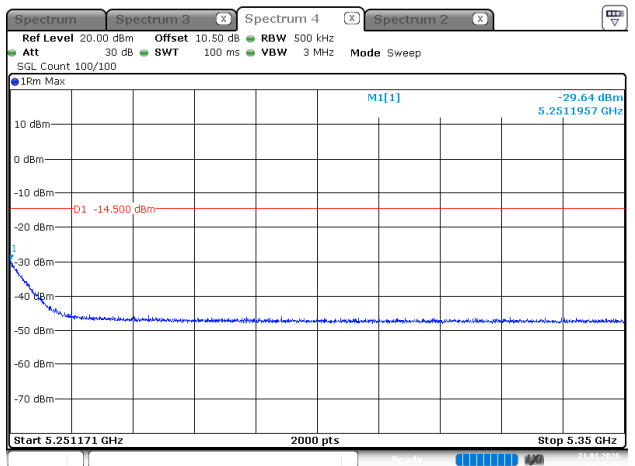
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802.11n40_5190MHz_Chain 0



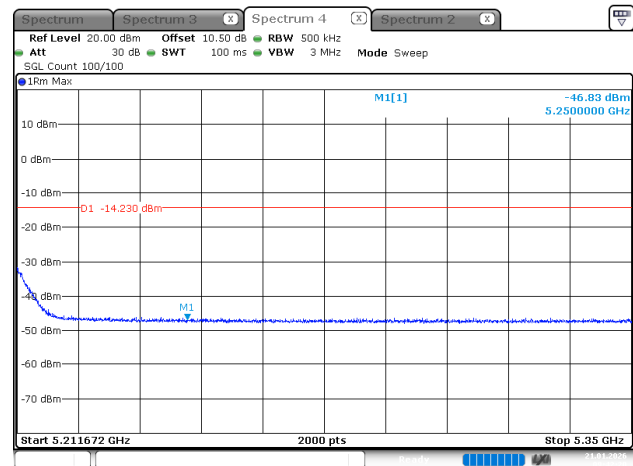
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Date: 21.JAN.2026 09:19:03

802.11n40_5230MHz_Chain 0



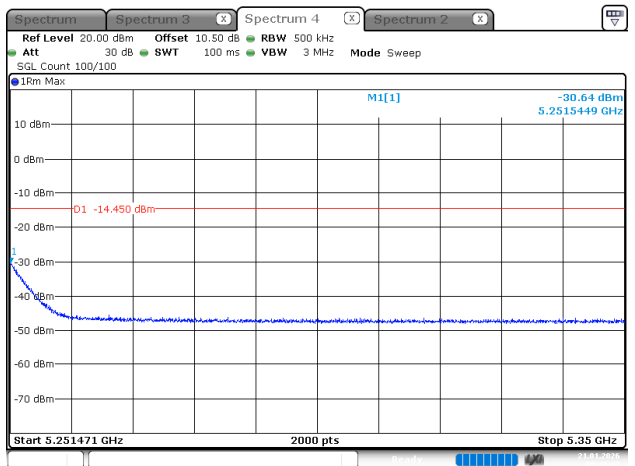
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Date: 21.JAN.2026 09:20:27

802.11n40_5190MHz_Chain 1



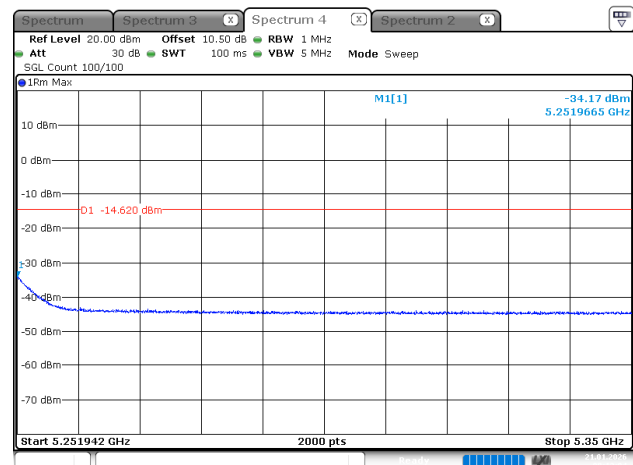
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Date: 21.JAN.2026 09:42:20

802.11n40_5230MHz_Chain 1



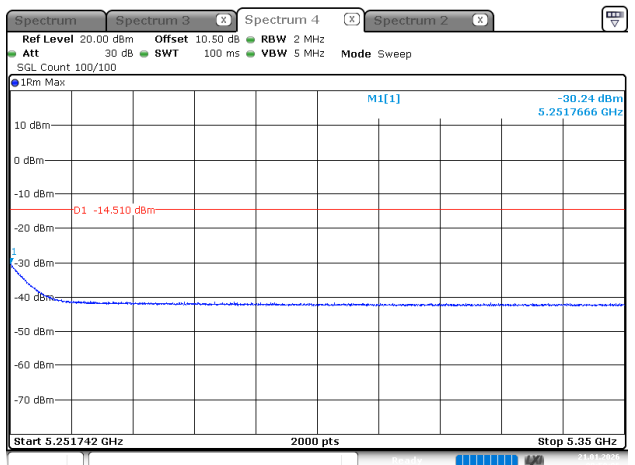
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Date: 21.JAN.2026 09:43:43

802.11ac80_5210MHz_Chain 0



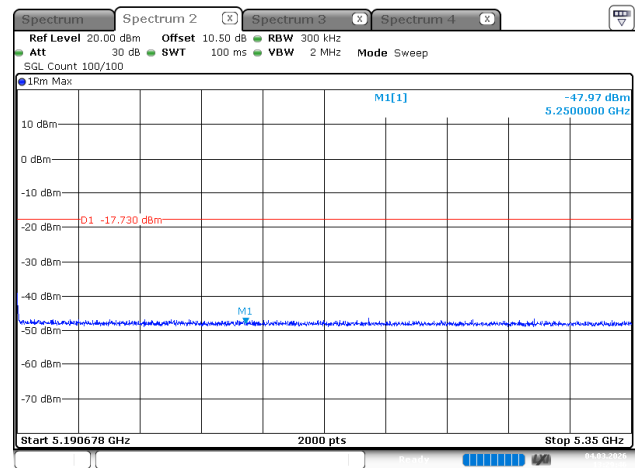
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Date: 21.JAN.2026 09:12:04

802.11ac80_5210MHz_Chain 1



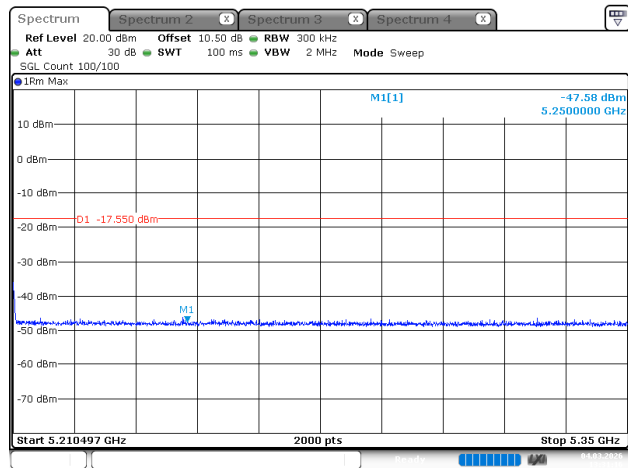
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Date: 21.JAN.2026 09:59:06

802.11ax20_5180MHz_Chain 0



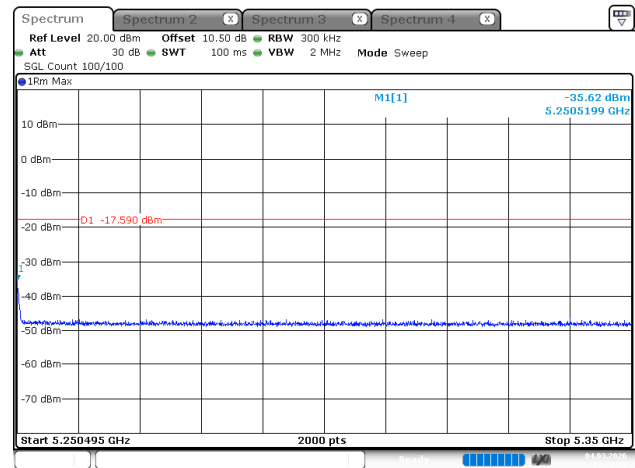
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802.11ax20_5200MHz_Chain 0



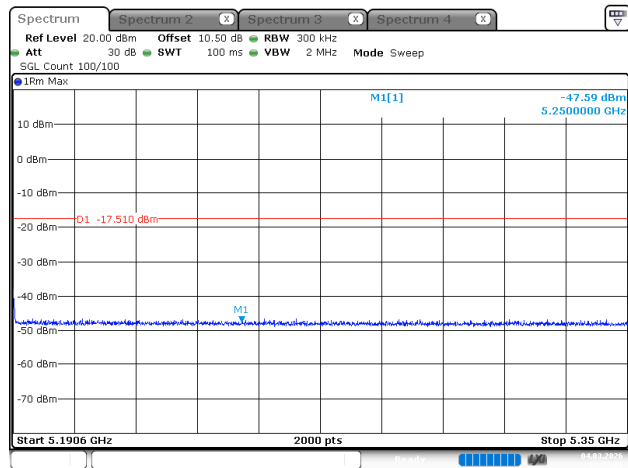
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Date: 4.MAR.2026 13:31:17

802.11ax20_5240MHz_Chain 0



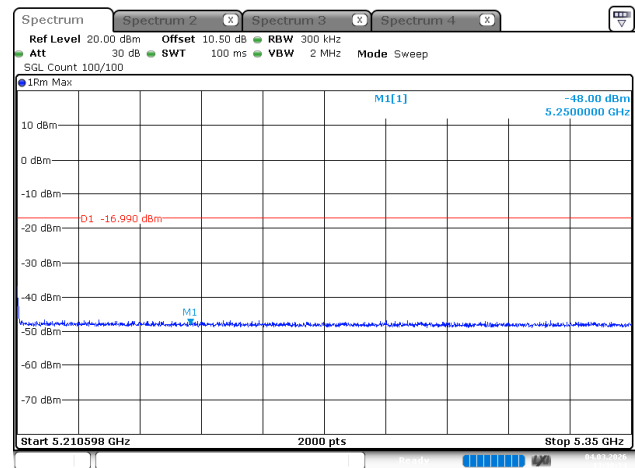
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802.11ax20_5180MHz_Chain 1



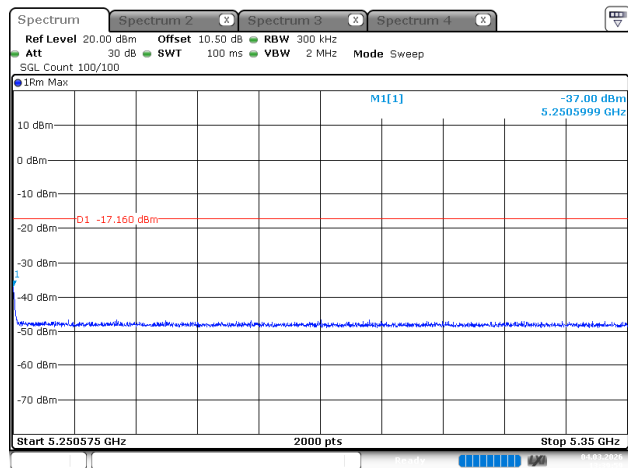
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Date: 4.MAR.2026 13:37:06

802.11ax20_5200MHz_Chain 1



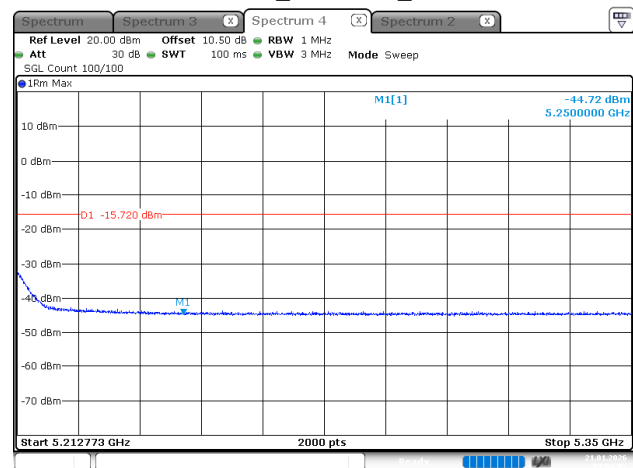
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Date: 4.MAR.2026 13:38:35

802.11ax20_5240MHz_Chain 1



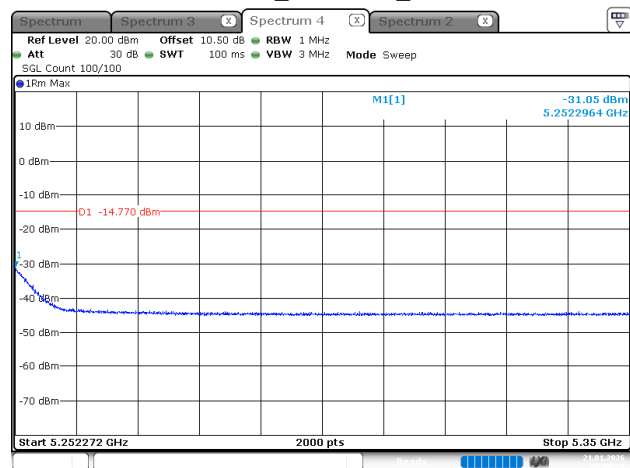
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Date: 4.MAR.2026 13:40:00

802.11ax40_5190MHz_Chain 0



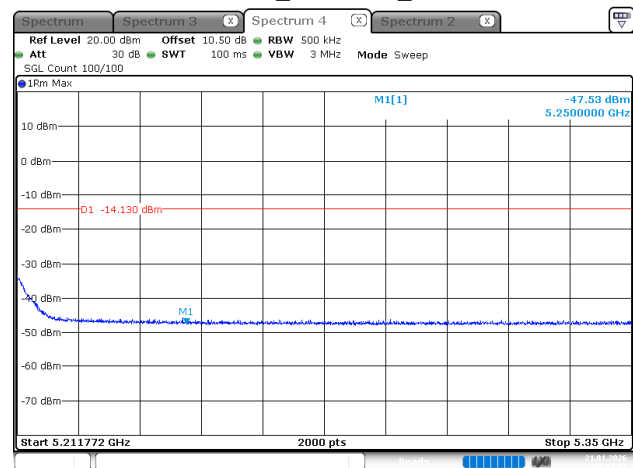
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Date: 21.JAN.2026 09:06:03

802.11ax40_5230MHz_Chain 0



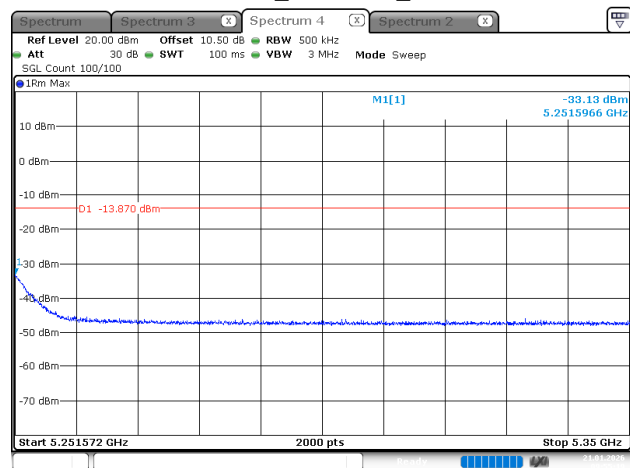
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Date: 21.JAN.2026 09:08:29

802.11ax40_5190MHz_Chain 1



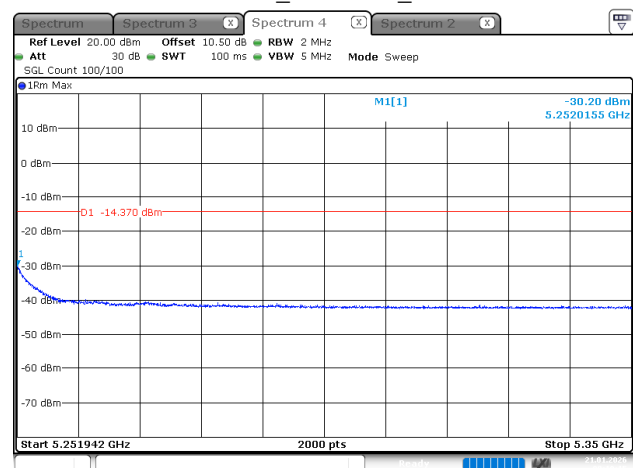
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802.11ax40_5230MHz_Chain 1



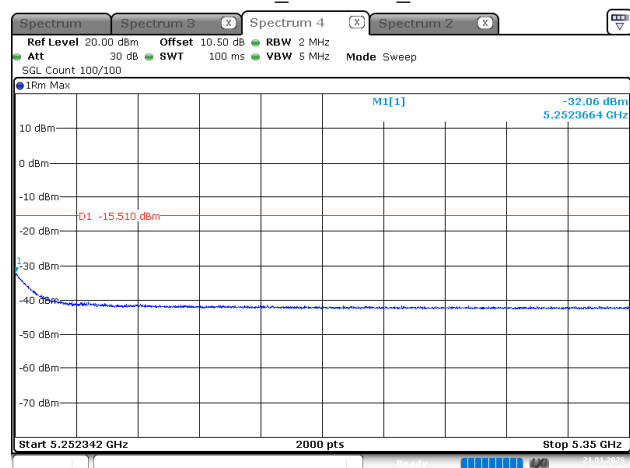
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:55:19

802.11ax80_5210MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:10:15

802.11ax80_5210MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:57:26

5.4 Emission Bandwidth

Test Information:

Serial No.:	3ACD-6	Test Date:	2025/11/26~2026/01/21
Test Site:	RF	Test Mode:	Transmitting
Tester:	Conor Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.2	Relative Humidity: (%)	35	ATM Pressure: (kPa)	101.6
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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-EM521	2025/04/09	2026/04/08
Eastsheep	Coaxial Attenuator	5W-N-JK-6G-10dB	F-08-EM503	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27

** 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**

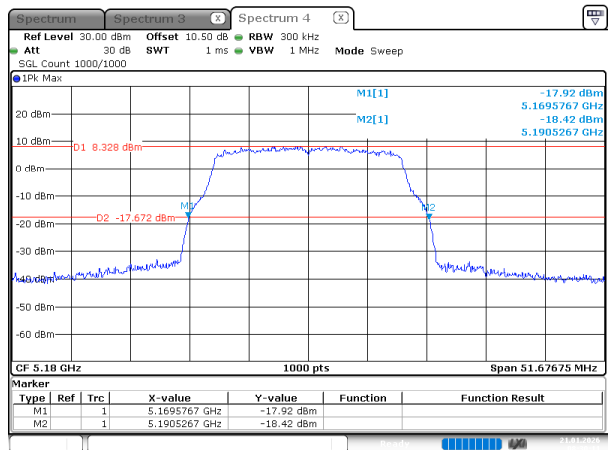
Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5180	20.950
		5200	20.899
		5240	20.897
	Chain 1	5180	21.049
		5200	21.050
		5240	21.000
802.11n20	Chain 0	5180	21.049
		5200	20.994
		5240	20.994
	Chain 1	5180	21.001
		5200	20.946
		5240	20.949
802.11n40	Chain 0	5190	42.442
		5230	42.543
	Chain 1	5190	42.843
		5230	43.243
802.11ac80	Chain 0	5210	83.684
	Chain 1	5210	83.283
802.11ax20	Chain 0	5180	21.250
		5200	21.151
		5240	21.095
	Chain 1	5180	21.200
		5200	21.195
		5240	21.202
802.11ax40	Chain 0	5190	44.244
		5230	43.544
	Chain 1	5190	43.143
		5230	42.943
802.11ax80	Chain 0	5210	83.484
	Chain 1	5210	83.484

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	16.016	0.5	Pass
		5825	16.416	0.5	Pass
	Chain 1	5745	16.416	0.5	Pass
		5785	15.916	0.5	Pass
		5825	16.016	0.5	Pass
802.11n20	Chain 0	5745	17.768	0.5	Pass
		5785	17.768	0.5	Pass
		5825	17.768	0.5	Pass
	Chain 1	5745	17.718	0.5	Pass
		5785	17.718	0.5	Pass
		5825	17.668	0.5	Pass
802.11n40	Chain 0	5755	35.936	0.5	Pass
		5795	35.936	0.5	Pass
	Chain 1	5755	36.236	0.5	Pass
		5795	36.136	0.5	Pass
802.11ac80	Chain 0	5775	72.873	0.5	Pass
	Chain 1	5775	71.872	0.5	Pass
802.11ax20	Chain 0	5745	19.019	0.5	Pass
		5785	18.969	0.5	Pass
		5825	19.069	0.5	Pass
	Chain 1	5745	18.919	0.5	Pass
		5785	18.969	0.5	Pass
		5825	19.069	0.5	Pass
802.11ax40	Chain 0	5755	37.938	0.5	Pass
		5795	37.337	0.5	Pass
	Chain 1	5755	37.738	0.5	Pass
		5795	37.738	0.5	Pass
802.11ax80	Chain 0	5775	72.873	0.5	Pass
	Chain 1	5775	71.872	0.5	Pass

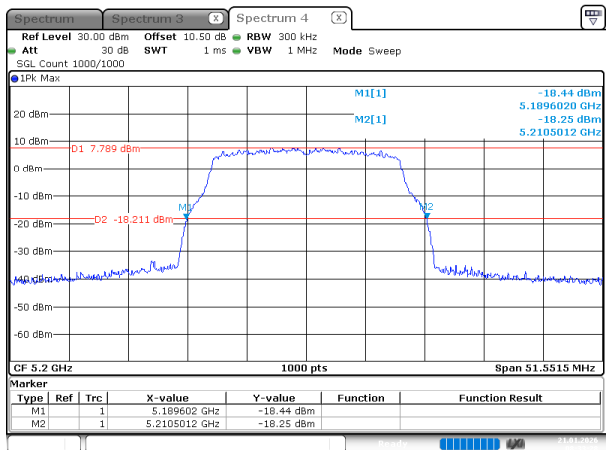
5150-5250MHz

802.11a_5180MHz_Chain 0



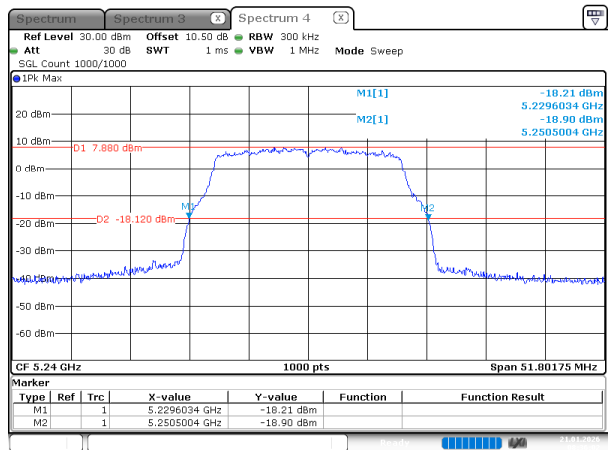
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Date: 21.JAN.2026 08:30:12

802.11a_5200MHz_Chain 0



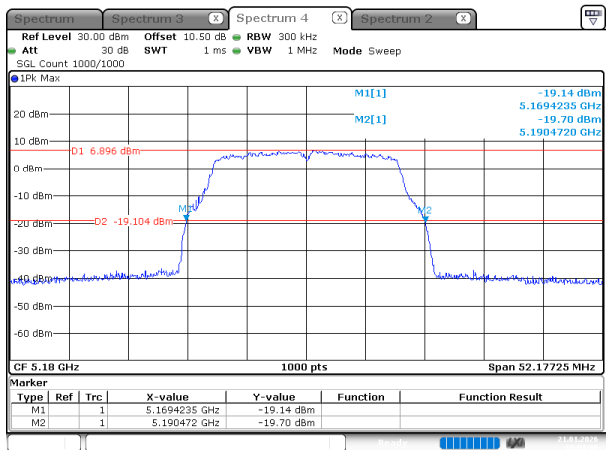
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Date: 21.JAN.2026 08:33:29

802.11a_5240MHz_Chain 0



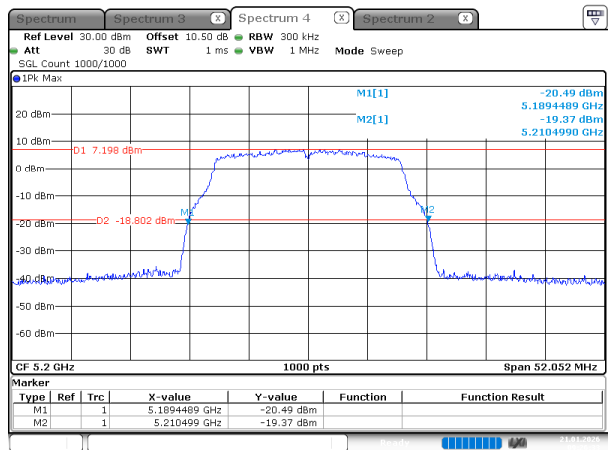
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Date: 21.JAN.2026 08:36:02

802.11a_5180MHz_Chain 1



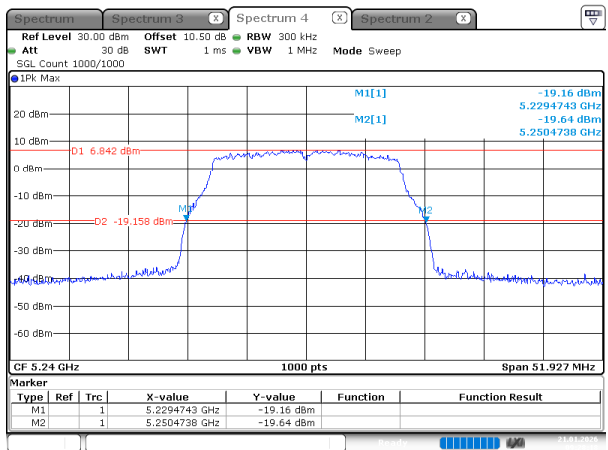
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802.11a_5200MHz_Chain 1



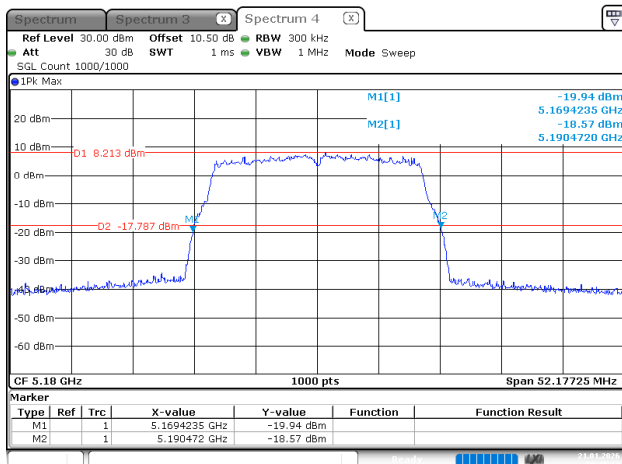
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Date: 21.JAN.2026 09:26:33

802.11a_5240MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:28:18

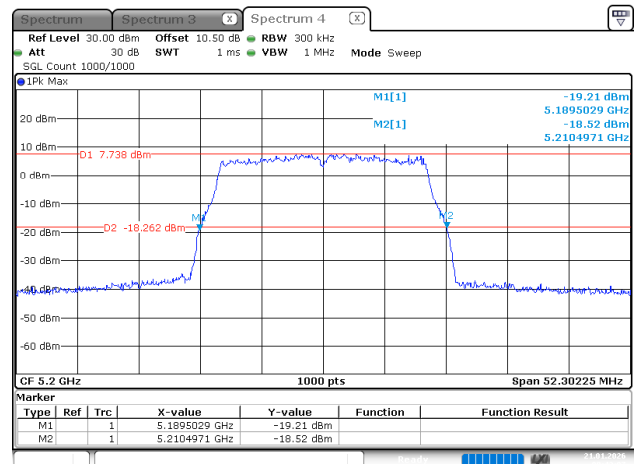
802.11n20_5180MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 08:40:11

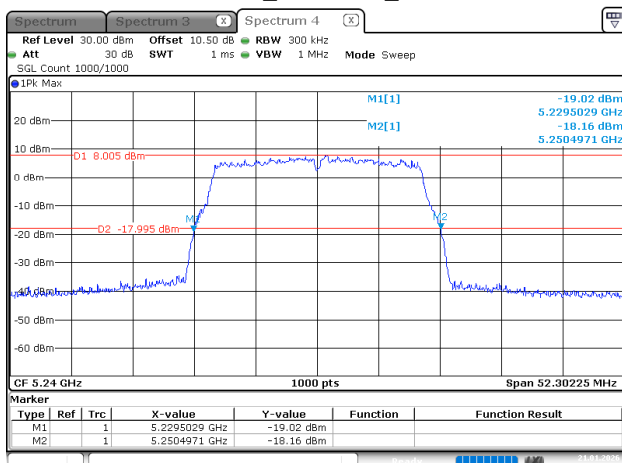
802.11n20_5200MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 08:42:08

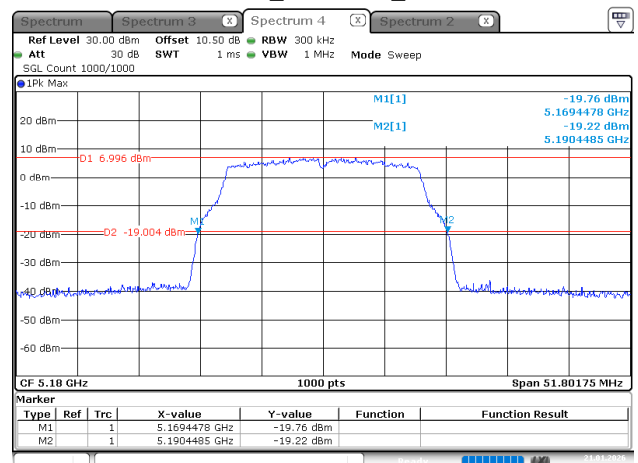
802.11n20_5240MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 08:43:57

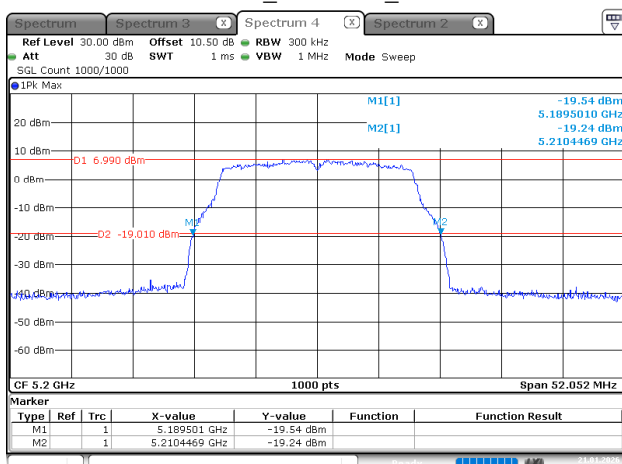
802.11n20_5180MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:30:46

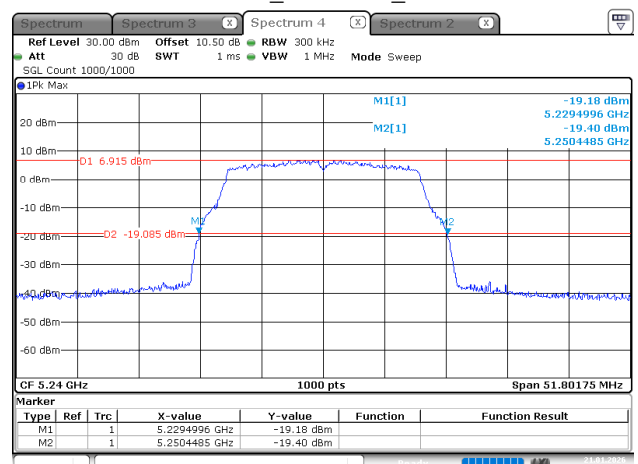
802.11n20_5200MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:32:28

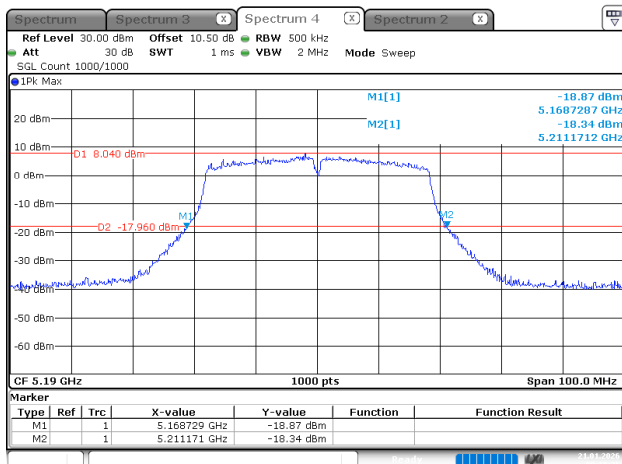
802.11n20_5240MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:33:59

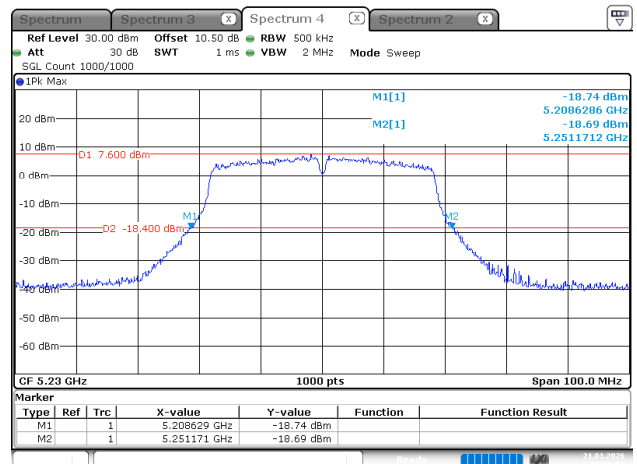
802.11n40_5190MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:18:36

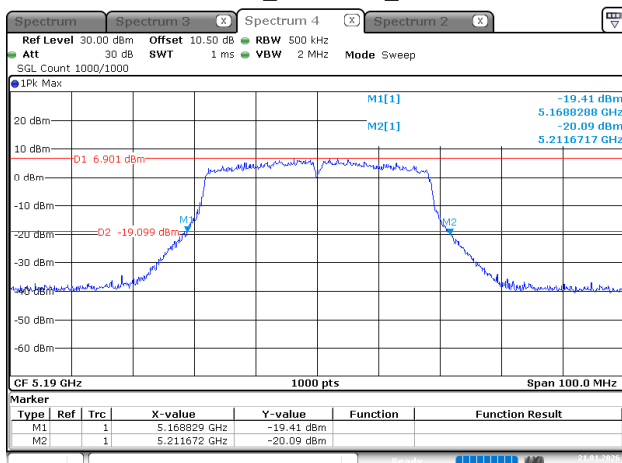
802.11n40_5230MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:19:59

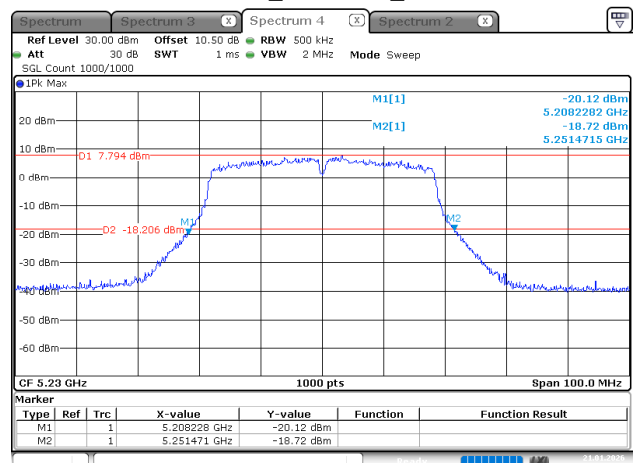
802.11n40_5190MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:41:48

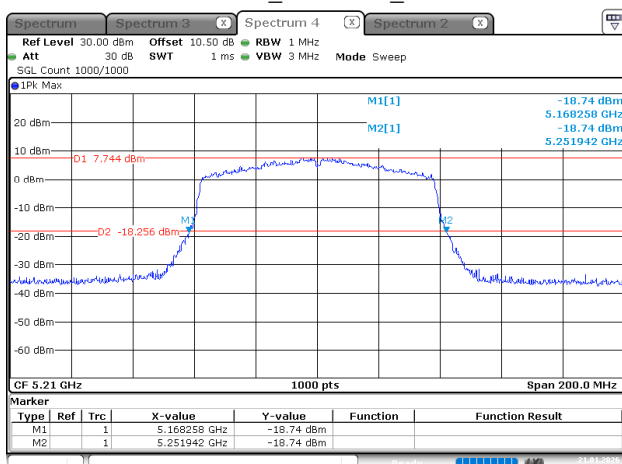
802.11n40_5230MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:43:14

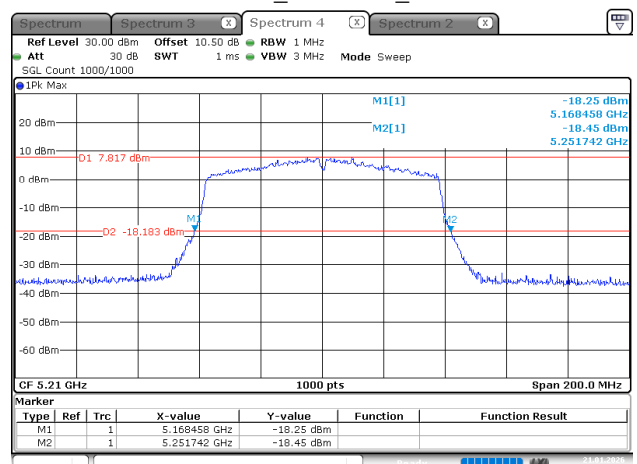
802.11ac80_5210MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:11:42

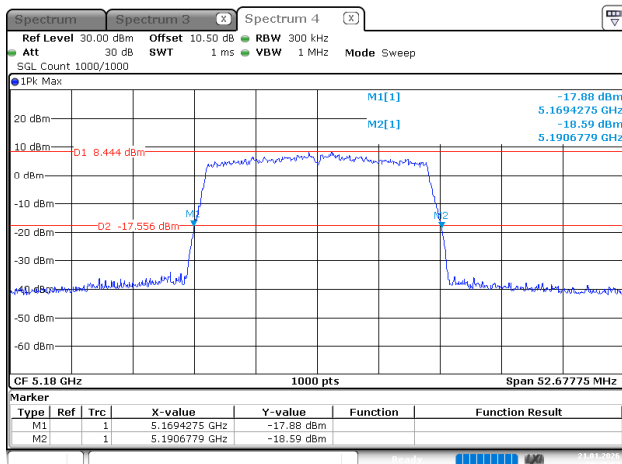
802.11ac80_5210MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:58:45

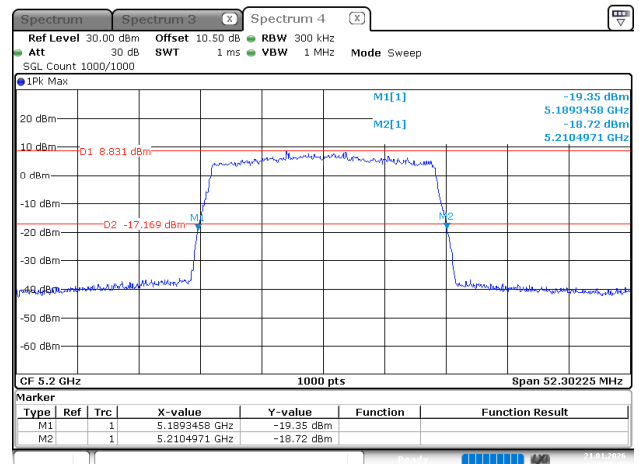
802.11ax20_5180MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 08:48:53

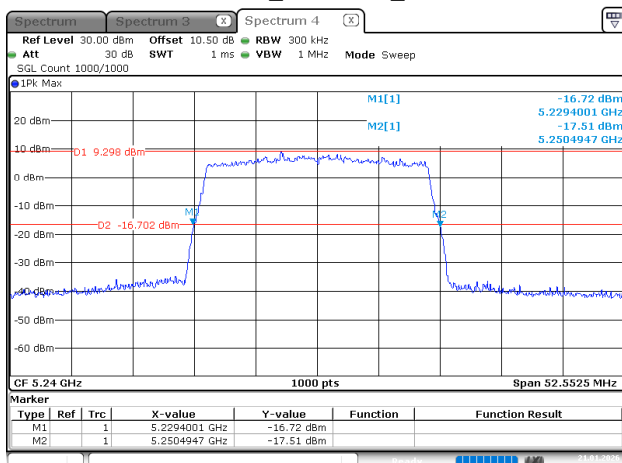
802.11ax20_5200MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 08:55:42

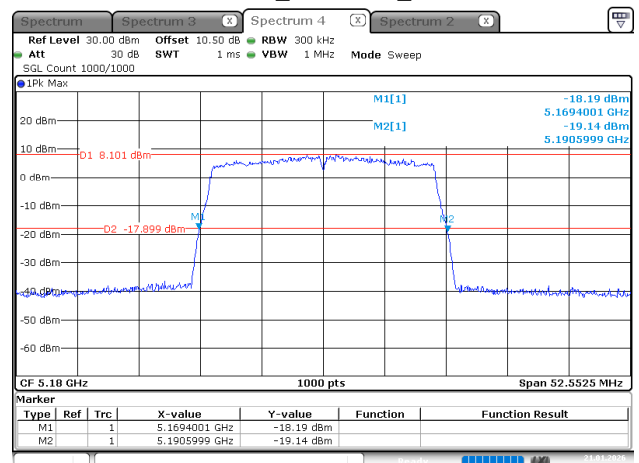
802.11ax20_5240MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 08:57:42

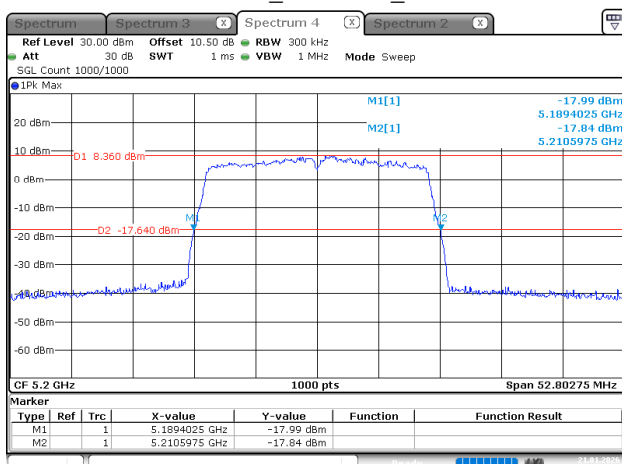
802.11ax20_5180MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:46:21

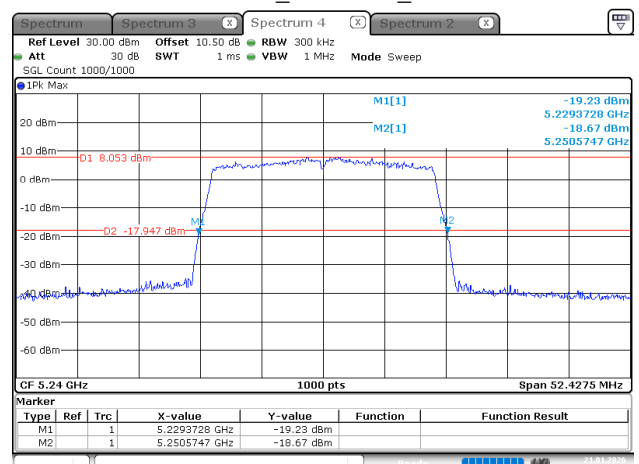
802.11ax20_5200MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

Date: 21.JAN.2026 09:48:15

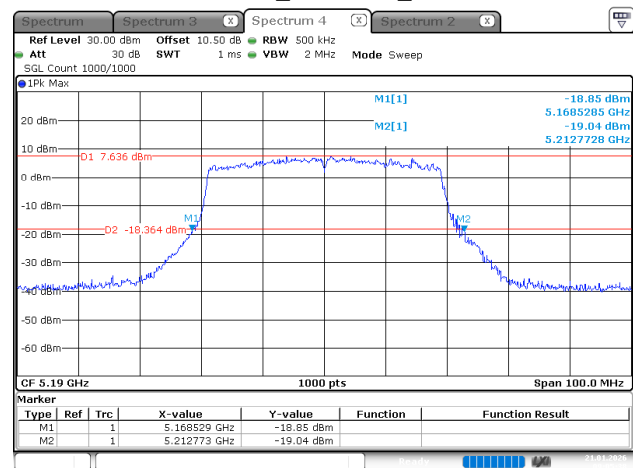
802.11ax20_5240MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu

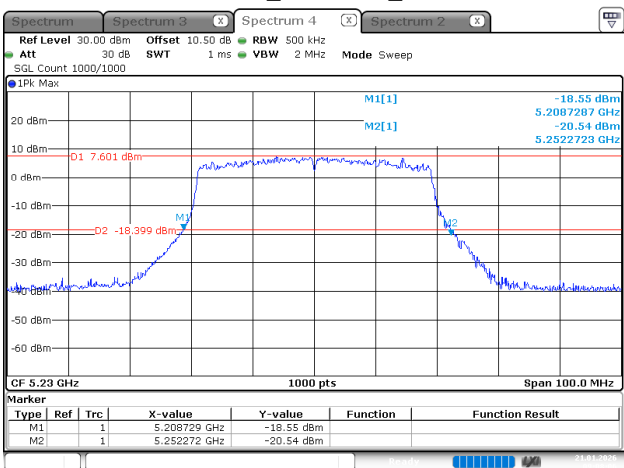
Date: 21.JAN.2026 09:51:07

802.11ax40_5190MHz_Chain 0



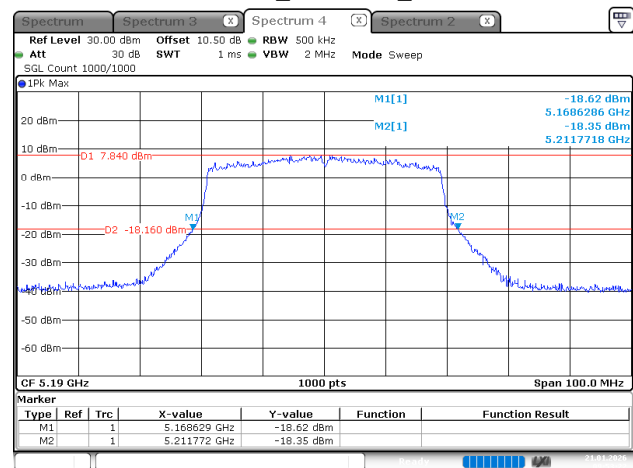
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:05:39

802.11ax40_5230MHz_Chain 0



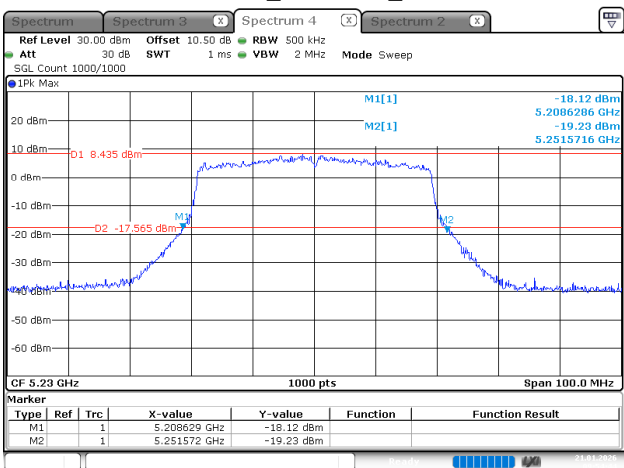
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:08:06

802.11ax40_5190MHz_Chain 1



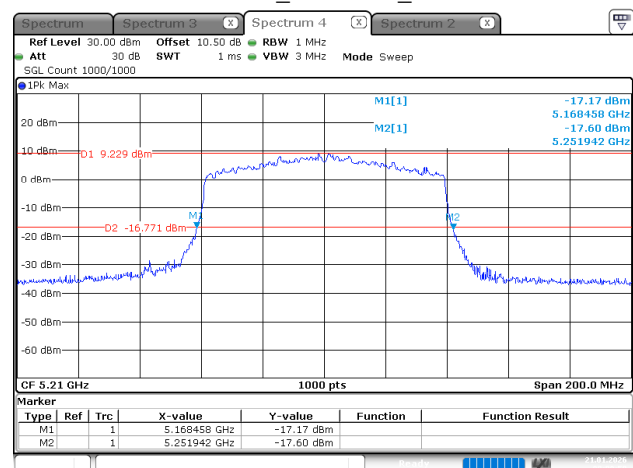
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:53:22

802.11ax40_5230MHz_Chain 1



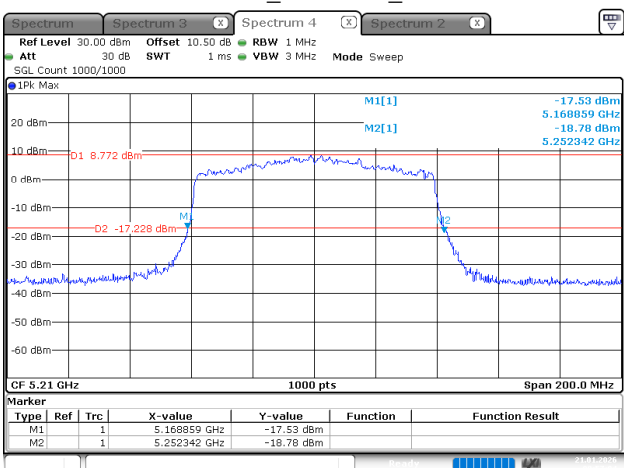
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:54:44

802.11ax80_5210MHz_Chain 0



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:09:49

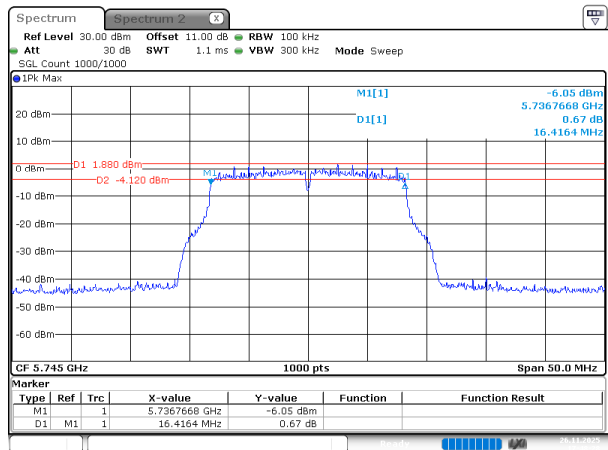
802.11ax80_5210MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 21.JAN.2026 09:57:04

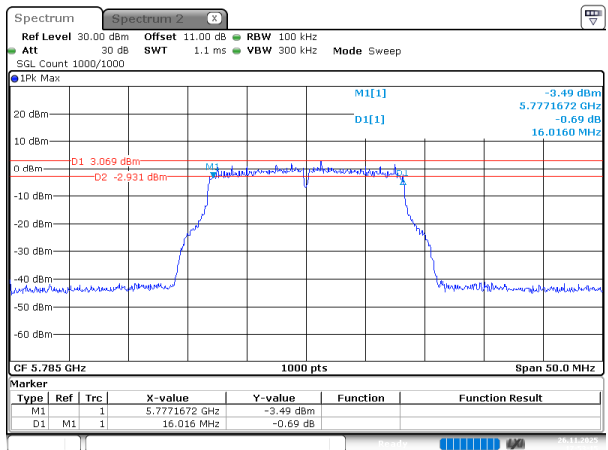
5725-5850MHz

802.11a_5745MHz_Chain 0



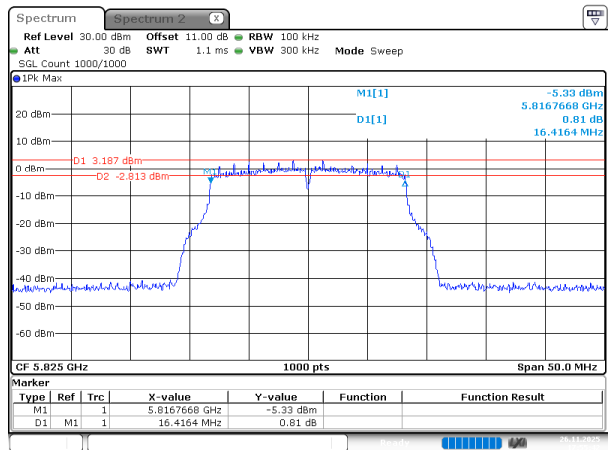
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 26.NOV.2025 17:48:27

802.11a_5785MHz_Chain 0



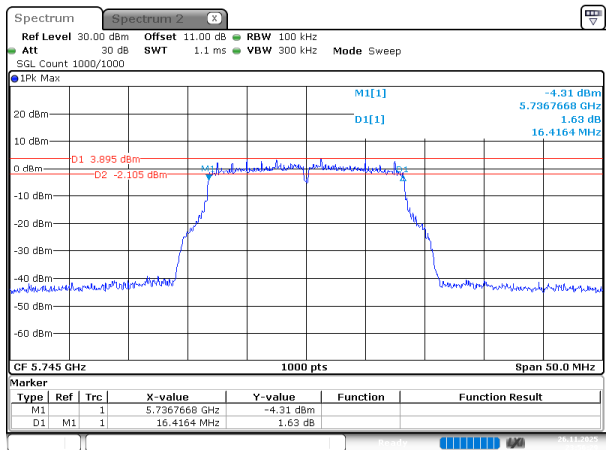
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 26.NOV.2025 17:53:15

802.11a_5825MHz_Chain 0



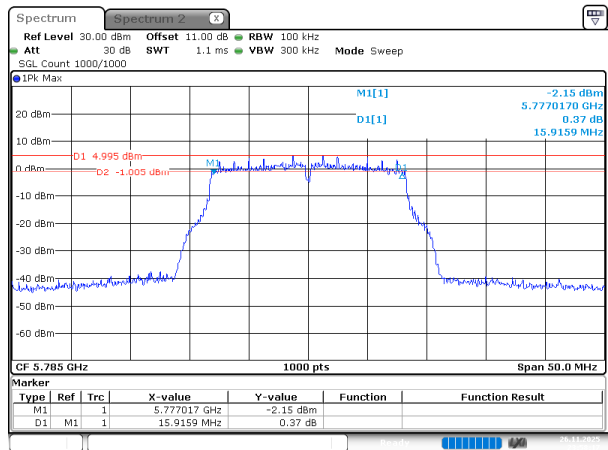
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 26.NOV.2025 17:55:42

802.11a_5745MHz_Chain 1



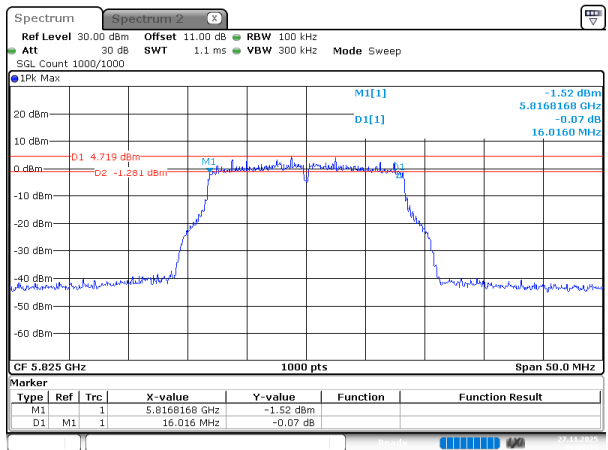
ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 26.NOV.2025 23:56:30

802.11a_5785MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 26.NOV.2025 23:58:18

802.11a_5825MHz_Chain 1



ProjectNo.:2502X02056E-RF Tester:Conor Fu
Date: 27.NOV.2025 00:00:15