

TEST REPORT

Applicant: WESTALA TECHNOLOGIES INC.

Address: 13930 Willow Bend Dr, Frisco TX 75035, United States

Product Name: WI-FI7 Ceiling AP

FCC ID: 2BQVXWSAP73C

Standard(s): 47 CFR Part 15, Subpart E (15.407)
ANSI C63.10-2020
KDB 789033 D02 General U-NII Test Procedures New Rules v02r01

Report Number: 2502W36785E-RF-00B

Report Date: 2025/10/30

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	2502W36785E-RF-00B	Original Report	2025/10/30

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	WI-FI7 Ceiling AP
Trade Mark:	Westala
EUT Model:	WS-AP73C
Operation Frequency:	5150-5250MHz: 5180-5240 MHz(802.11a/n ht20/ac vht20/ax he20/be eht20) 5190-5230 MHz(802.11n ht40/ac vht40/ax he40/be eht40) 5210 MHz(802.11ac vht80/ax he80/be eht80) 5250-5350MHz: 5260-5320 MHz (802.11a/n ht20/ac vht20/ax he20/be eht20) 5270-5310 MHz(802.11n ht40/ac vht40/ax he40/be eht40) 5290 MHz(802.11ac vht80/ax he80/be eht80) 5250 MHz(802.11ac vht160/ax he160/be eht160) 5470-5725MHz: 5500-5720 MHz (802.11a/n ht20/ac vht20/ax he20/be eht20) 5510-5710 MHz(802.11n ht40/ac vht40/ax he40/be eht40) 5530-5690MHz(802.11ac vht80/ax he80/be eht80) 5570 MHz(802.11ac vht160/ax he160/be eht160) 5725-5850MHz: 5745-5825 MHz (802.11a/n ht20/ac vht20/ax he20/be eht20) 5755-5795 MHz(802.11n ht40/ac vht40/ax he40/be eht80) 5775 MHz(802.11ac vht80/ax he80/be eht80)
Maximum Average Conducted Output Power:	22.21dBm(5150-5250MHz)
	19.44dBm(5250-5350MHz)
	19.19dBm(5470-5725MHz)
	24.75dBm(5725-5850MHz)
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 802.11be: OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM
Rated Input Voltage:	48~54VDC, Typical Voltage: DC 48V from PoE or DC 48V from adapter
Serial Number:	389D-1(For RF Conducted Test) 389D-2(For Emission Test)
EUT Received Date:	2025/08/13
EUT Received Status:	Good

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
/	/	/	/

1.3 Antenna Information Detail[▲]

Antenna Type	Input Impedance (Ohm)	Frequency Range	Antenna Gain
FPC (Chain 0)	50	5.15~5.25GHz	3.69dBi
		5.25~5.35 GHz	3.61dBi
		5.47~5.725 GHz	3.86dBi
		5.725~5.85 GHz	3.54dBi
FPC (Chain 1)	50	5.15~5.25GHz	4.53dBi
		5.25~5.35 GHz	4.45dBi
		5.47~5.725 GHz	4.68dBi
		5.725~5.85 GHz	4.28dBi

The design of compliance with §15.203:

- ☒ Unit uses a permanently attached antenna.
- ☐ Unit uses a unique coupling to the intentional radiator.
- ☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

1.4 Equipment Modifications

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

2. SUMMARY OF TEST RESULTS

Standard(s) Section	Test Items	Result
§15.207(a)	AC line conducted emissions	Compliant
FCC§15.205& §15.209 &§15.407(b)	Radiated Spurious Emissions	Compliant
FCC§15.407(a) (e)	Emission Bandwidth	Compliant
FCC§15.407(a)	Maximum Conducted Output Power	Compliant
FCC§15.407 (a)	Power Spectral Density	Compliant
§15.203	Antenna Requirement	Compliant
FCC §1.1310&§2.1091&§15.407 (f)	Maximum Permissible Exposure (MPE)	Compliant

Note 1: For AC line conducted emissions, the maximum output power channel was tested.

Note 2: For Radiated Spurious Emissions 9kHz~1GHz and 18~40GHz, the maximum output power channel was tested.

Note 3: Per 2.4GHz WIFI report, Adapter Power Supply mode was the worst case for AC line conducted emissions and Radiated Spurious Emissions Below 1GHz test. However, the Radiated Spurious Emissions above 1GHz and RF Conducted test were only completed under the PoE power supply mode.

Note 4: Test Results for Simultaneous Transmission on Multiple Bands (2.4GHz + 5GHz + 6GHz) in Radiated Spurious Emissions Test refers to the Report: 2502W36785E-RF-00C.

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency Detail

For 802.11a/n ht20/ac vht20/ax he20/be eht20:

5150-5250MHz Band		5250-5350 MHz Band		5470-5725 MHz Band		5725-5850MHz Band	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500	149	5745
40	5200	56	5280	104	5520	153	5765
44	5220	60	5300	108	5540	157	5785
48	5240	64	5320	112	5560	161	5805
/	/	/	/	116	5580	165	5825
/	/	/	/	120	5600	/	/
/	/	/	/	124	5620	/	/
/	/	/	/	128	5640	/	/
/	/	/	/	132	5660	/	/
/	/	/	/	136	5680	/	/
/	/	/	/	140	5700	/	/
/	/	/	/	144*	5720	/	/

For 802.11n ht40/ac vht40/ax he40/be eht40:

5150-5250MHz		5250-5350 MHz		5470-5725 MHz		5725-5850MHz	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510	151	5755
46	5230	62	5310	110	5550	159	5795
/	/	/	/	118	5590	/	/
/	/	/	/	126	5630	/	/
/	/	/	/	134	5670	/	/
/	/	/	/	142*	5710	/	/

For 802.11ac vht80/ax he80/be eht80:

5150-5250MHz		5250-5350 MHz		5470-5725 MHz		5725-5850MHz	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
42	5210	58	5290	106	5530	155	5775
/	/	/	/	122	5610	/	/
/	/	/	/	138*	5690	/	/

For 802.11ac vht160/ax he160/be eht160:

5150-5250MHz		5250-5350 MHz		5470-5725 MHz		5725-5850MHz	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
/	/	50	5250	114	5570	/	/

Note:

1. Additional channels cross the band 5470-5725MHz and 5725-5850 MHz, Conducted output power/ Power Spectral Density/bandwidth test with the additional channel to compliance with stricter limit of the two bands (5470-5725MHz more stricter).
2. The above frequencies in bold were performed the test.

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:		MobaXterm_Portable_v23.6.exe			
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲:					
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	50	50
	Middle	5200	6Mbps	50	50
	Highest	5240	6Mbps	50	50
802.11n ht20	Lowest	5180	MCS8	45	45
	Middle	5200	MCS8	45	45
	Highest	5240	MCS8	45	45
802.11n ht40	Lowest	5190	MCS8	45	45
	Highest	5230	MCS8	45	45
802.11ac vht80	Middle	5210	MCS8	43	43
802.11be eht20	Lowest	5180	MCS8	43	43
	Middle	5200	MCS8	43	43
	Highest	5240	MCS8	43	43
802.11be eht40	Lowest	5190	MCS8	41	41
	Highest	5230	MCS8	41	41
802.11be eht80	Middle	5210	MCS8	43	43
5250-5350 MHz Band:					
Test Modes	Test Channels	Test Frequency (MHz)	Data Rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5260	6Mbps	46	46
	Middle	5280	6Mbps	46	46
	Highest	5320	6Mbps	46	46
802.11n ht20	Lowest	5260	MCS8	34	34
	Middle	5280	MCS8	34	34
	Highest	5320	MCS8	34	34
802.11n ht40	Lowest	5270	MCS8	40	40
	Highest	5310	MCS8	40	40
802.11ac vht80	Middle	5290	MCS8	39	39
802.11ac vht160	Middle	5250	MCS8	34	34
802.11be eht20	Lowest	5260	MCS8	34	34
	Middle	5280	MCS8	34	34
	Highest	5320	MCS8	34	34
802.11be eht40	Lowest	5270	MCS8	37	37
	Highest	5310	MCS8	37	37
802.11be eht80	Middle	5290	MCS8	39	39
802.11be eht160	Middle	5250	MCS8	37	37
5470-5725 MHz Band:					
Test Modes	Test Channels	Test Frequency (MHz)	Data Rate	Power Level Setting	
				Chain 0	Chain 1
802.11a	Lowest	5500	6Mbps	45	45
	Middle	5580	6Mbps	45	45
	Highest	5700	6Mbps	45	45
	Cross	5720	6Mbps	45	45
802.11n ht20	Lowest	5500	MCS8	34	34
	Middle	5580	MCS8	34	34
	Highest	5700	MCS8	34	34
	Cross	5720	MCS8	34	34
802.11n ht40	Lowest	5510	MCS8	40	40
	Middle	5550	MCS8	40	40
	Highest	5670	MCS8	40	40

	Cross	5710	MCS8	40	40
802.11ac vht80	Lowest	5530	MCS8	39	39
	Highest	5610	MCS8	39	39
	Cross	5690	MCS8	39	39
802.11ac vht160	Middle	5570	MCS8	38	38
802.11be eht20	Lowest	5500	MCS8	34	34
	Middle	5580	MCS8	34	34
	Highest	5700	MCS8	34	34
	Cross	5720	MCS8	34	34
802.11be eht40	Lowest	5510	MCS8	39	39
	Middle	5550	MCS8	39	39
	Highest	5670	MCS8	39	39
	Cross	5710	MCS8	39	39
802.11be eht80	Lowest	5530	MCS8	39	39
	Highest	5610	MCS8	39	39
	Cross	5690	MCS8	39	39
802.11ac he160	Middle	5570	MCS8	32	32
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	50	50
	Middle	5785	6Mbps	50	50
	Highest	5825	6Mbps	50	50
802.11n ht20	Lowest	5745	MCS8	50	50
	Middle	5785	MCS8	50	50
	Highest	5825	MCS8	50	50
802.11n ht40	Lowest	5755	MCS8	50	50
	Highest	5795	MCS8	50	50
802.11ac vht80	Middle	5775	MCS8	50	50
802.11be eht20	Lowest	5745	MCS8	50	50
	Middle	5785	MCS8	50	50
	Highest	5825	MCS8	50	50
802.11be eht40	Lowest	5755	MCS8	50	50
	Highest	5795	MCS8	50	50
802.11be eht80	Middle	5775	MCS8	40	40
Note: - The system support 802.11a/n ht20/n ht40/ac vht20/ac vht40/ac vht80/ac vht160/ax he20/ax he40/ax he80/ax he160/be eht20/be eht40/be eht80/be eht160, the 802.11ac vht20/ac vht40 were reduced since the identical parameters with 802.11n ht20 and n ht40, the 802.11ax he20/ax he40/ax he80/ax he160 were reduced since the identical parameters with 802.11 be eht20/be eht40/be eht80/be eht160. - 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. - The device supports SISO in all modes and 2T2R MIMO in 802.11n/ac/ax/be modes, per pretest, MIMO mode was the worst mode and reported for 802.11n/ac/ax/be modes. The 802.11ax/be modes do not support partial RU index. - The system supports both 2T2R Beamforming and Non-Beamforming (CDD) modes under the 802.11n/ac/ax/be modes. These two modes have same output power, which are declared by manufacturer. Therefore, the all RF conducted and Radiated Spurious Emissions test were performed at Beamforming mode.					

3.3 Support Equipment List and Details

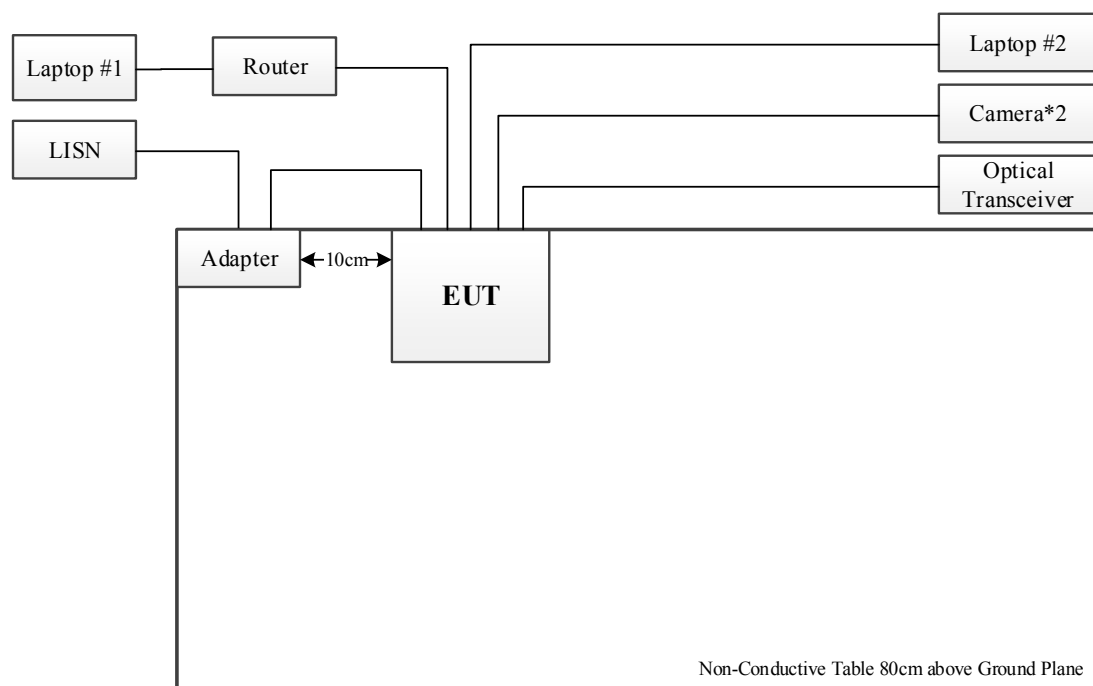
Manufacturer	Description	Model	Serial Number
Lenovo	Laptop#1	T430	00331-10000-00001-AA887 02
Lenovo	Laptop#2	G510	EMZBPC21103006
Weihua Videoc	Optical Transceiver	1000BASE-FX	Unknown
TP-LINK	Camera#1	IPC682P-A	Unknown
TP-LINK	Camera#2	IPC682P-A	Unknown
RISUNIC	POE	RP026-5401000YG	2249000679
MW	Adapter	HDR-60-4	Unknown
D-Link	Router	DGS-1100-08PD	S01Z1H000012

3.4 Support Cable List and Details

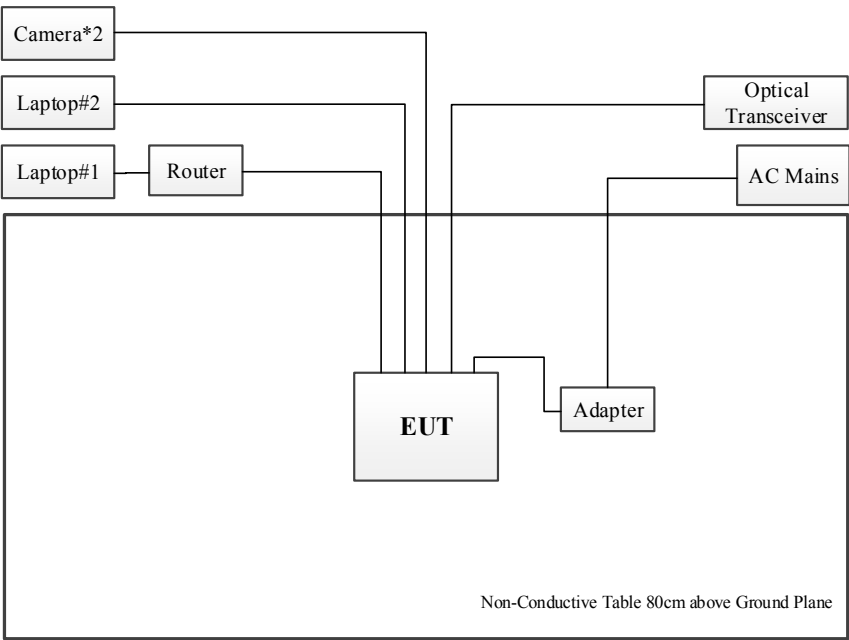
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
AC Power Cable	No	No	1.5	LISN/AC Mains	POE / Adapter
RJ45 Cable	No	No	3.0	Laptop#1	POE / Router
RJ45 Cable	No	No	3.0	Router	EUT
RJ45 Cable	No	No	1.0	POE	EUT
RJ45 Cable	No	No	3.0	Camera#1	EUT
RJ45 Cable	No	No	3.0	Camera#2	EUT
RJ45 Cable	No	No	3.0	Laptop#2	EUT
Optical Cable	No	No	3.0	Optical Transceiver	EUT
Detachable Power Cable	No	No	0.15	Adapter	EUT

3.5 Block Diagram of Test Setup

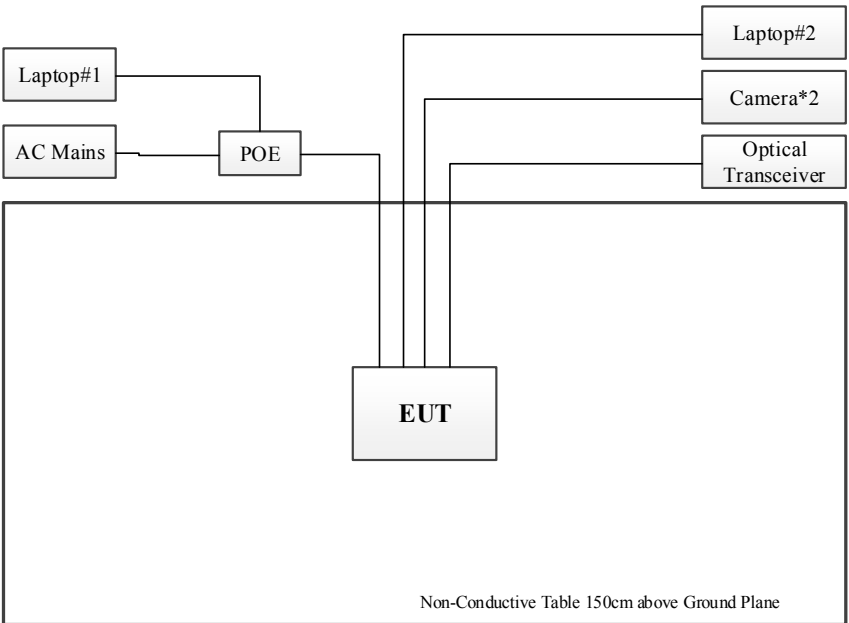
AC Line Conducted Emissions: Adapter Power Supply Mode



Radiated Spurious Emissions Below 1GHz: Adapter Power Supply Mode



Radiated Spurious Emissions Above 1GHz: POE Power Supply Mode



3.6 Test Facility

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

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

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

3.7 Measurement Uncertainty

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

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

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

FCC§15.207(a).

(a) Except as shown in paragraphs (b) and (c) of this section, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 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:

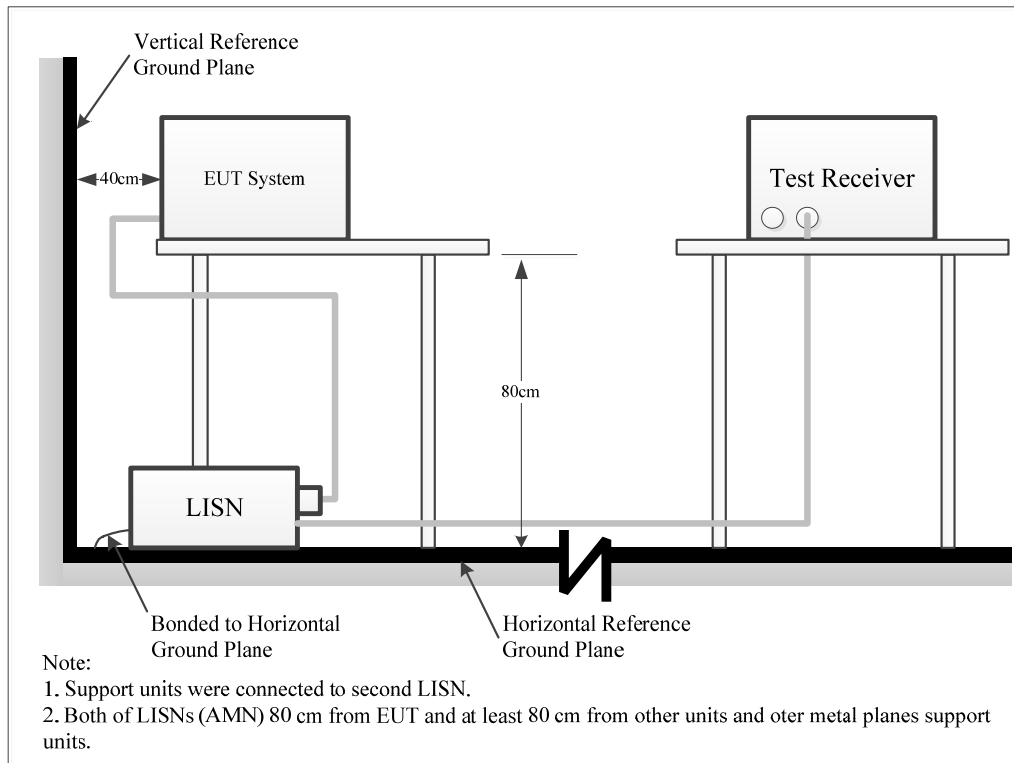
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(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.

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 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.

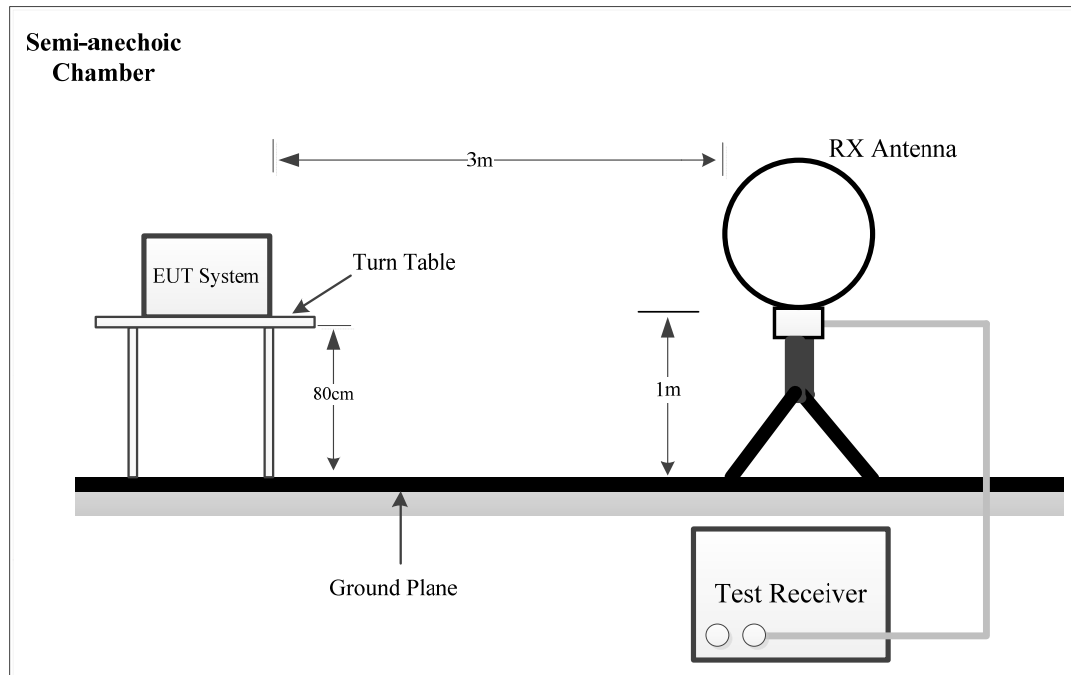
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

(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.

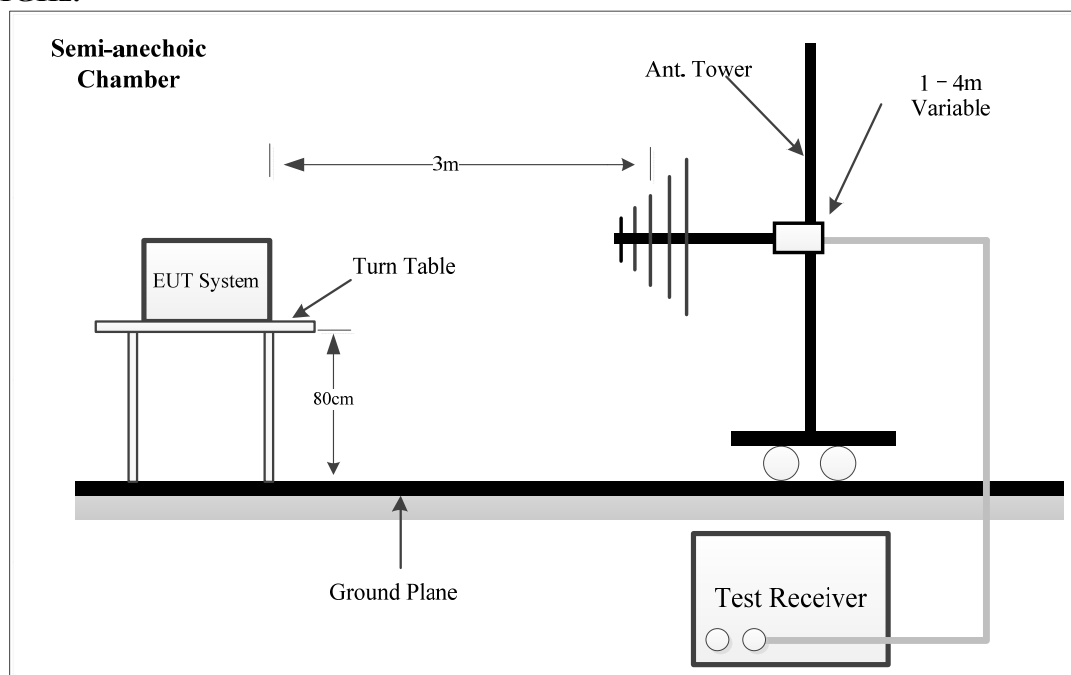
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

4.2.2 EUT Setup

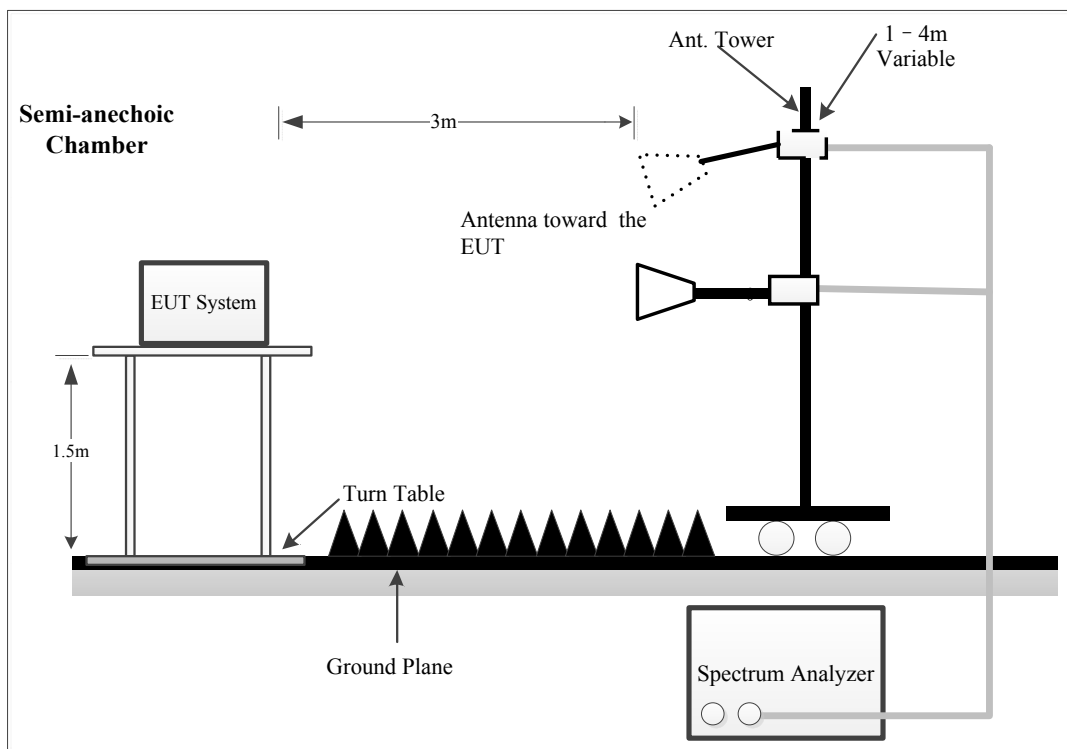
9kHz~30MHz:



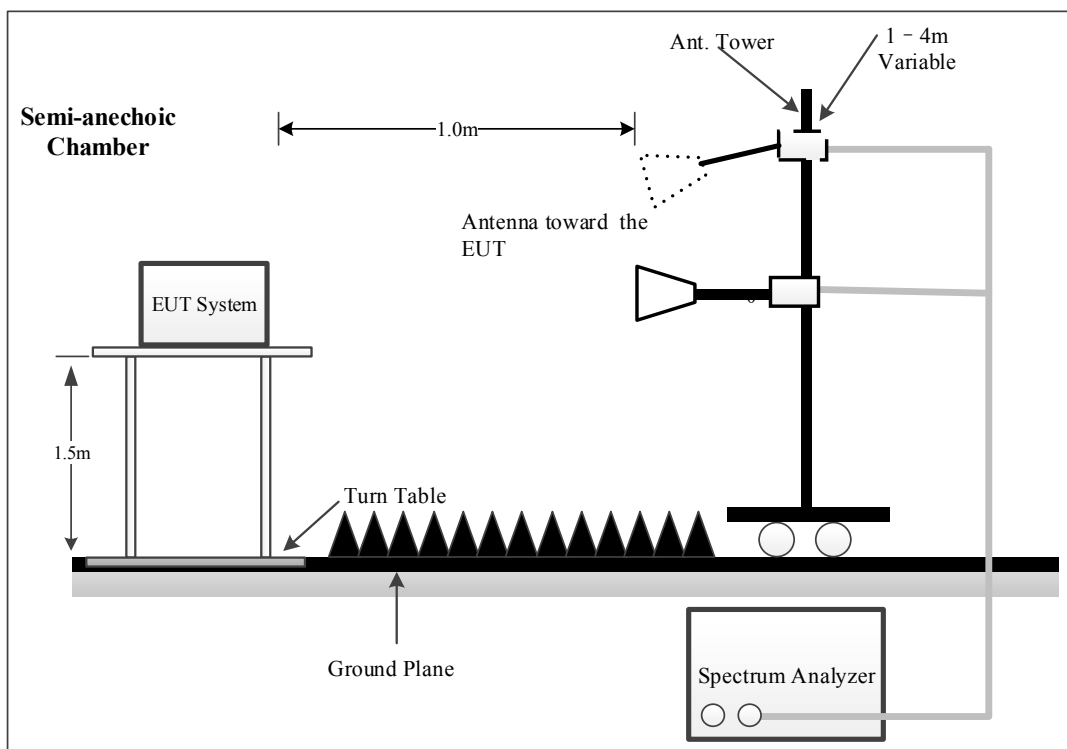
30MHz~1GHz:



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 limits.

The spacing between the peripherals was 10 cm.

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

4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9kHz-1000MHz:

Frequency Range	Measurement	RBW	Video B/W	IF B/W	Detector
9 kHz – 150 kHz	QP/AV	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:

Frequency Range	Measurement	RBW	Video B/W	Detector
Above 1 GHz	Peak	1MHz	3 MHz	PK
	AV	1MHz	$\geq 1/T$	PK

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 1m
Distance extrapolation Factor = $20 \log (\text{specific distance} [3m]/\text{test distance} [1m])$ 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

4.2.6 Test Result

Please refer to section 5.2.

4.3 Emission Bandwidth

4.3.1 Applicable Standard

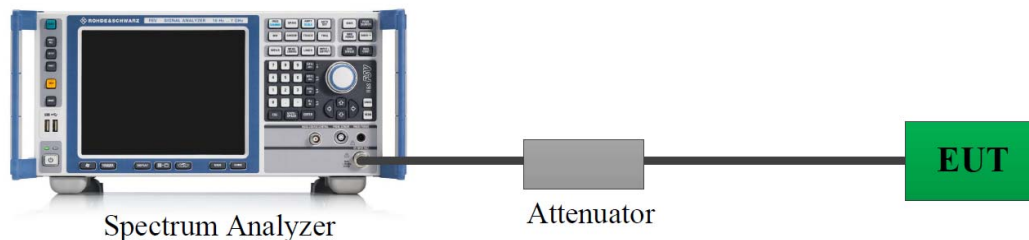
FCC §15.407 (a),(h)

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

FCC §15.407 (e)

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

4.3.2 EUT Setup



4.3.3 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

- Set RBW = 100 kHz.
- Set the video bandwidth (VBW) ≥ 3 RBW.
- Detector = Peak.
- Trace mode = max hold.
- Sweep = auto couple.
- Allow the trace to stabilize.
- 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).

4.3.4 Test Result

Please refer to section 5.3 and section 5.4.

4.4 Maximum Conducted Output Power

4.4.1 Applicable Standard

FCC §15.407(a) (1)(ii)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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.

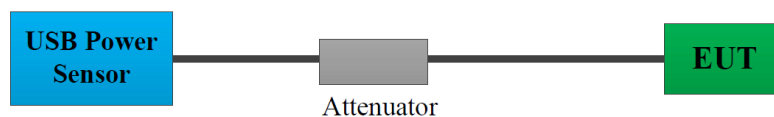
FCC §15.407(a) (2)

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.

4.4.2 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

4.4.3 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.

4.4.4 Test Result

Please refer to section 5.5.

4.5 Maximum Power Spectral Density

4.5.1 Applicable Standard

FCC §15.407(a) (1)(ii)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 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.

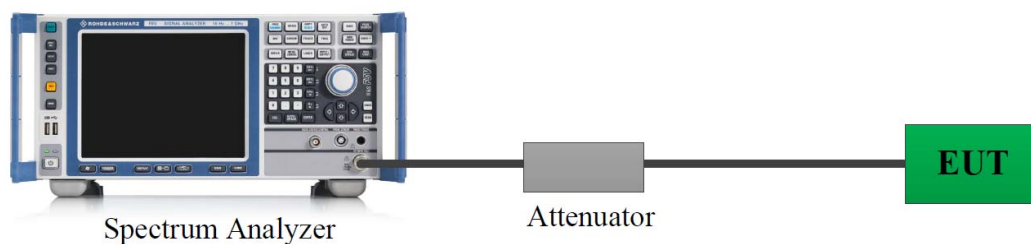
FCC §15.407(a) (2)

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.

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 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 $\pm 2\%$

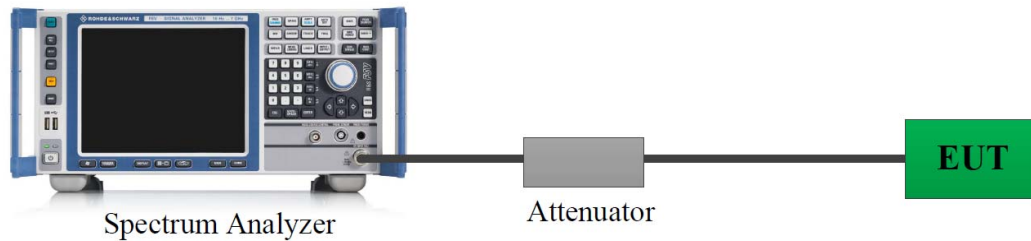
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

4.5.4 Test Result

Please refer to section 5.6.

4.6 Duty Cycle

4.6.1 EUT Setup



4.6.2 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 $T \leq 16.7 \mu s$.)

4.6.3 Judgment

Report Only. Please refer to section 5.7.

4.7 Antenna Requirement

4.7.1 Applicable Standard

FCC §15.203

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

4.7.2 Judgment

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

5. Test DATA AND RESULTS

5.1 AC Line Conducted Emissions

Serial Number:	389D-2	Test Date:	2025/09/20
Test Site:	CE	Test Mode:	Transmitting
Tester:	Yukin Qiu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27.6	Relative Humidity: (%)	52	ATM Pressure: (kPa)	100.1
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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).

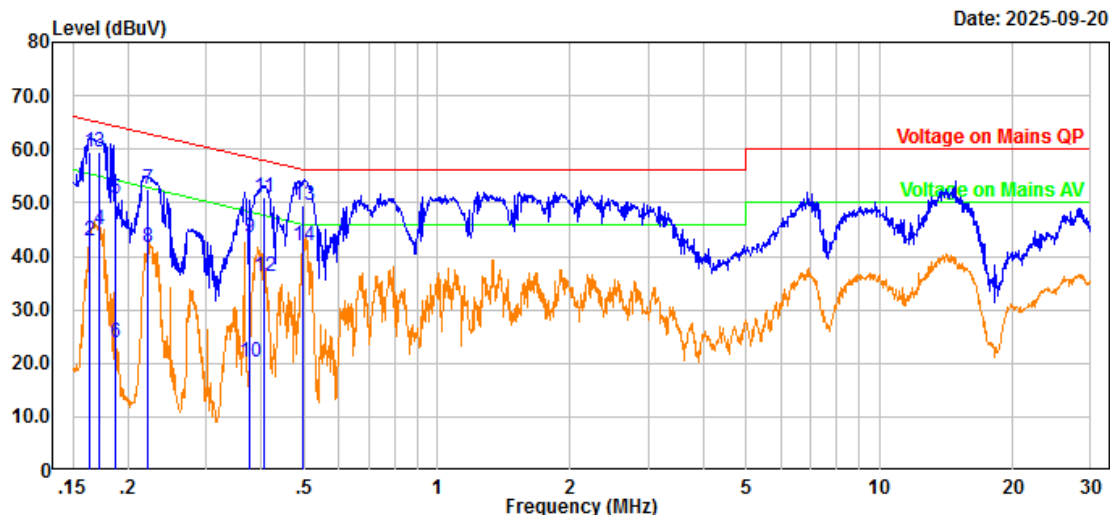
Note:

- 1. The maximum output power mode and channel: 802.11be eht40 MIMO mode 5755MHz was tested.
- 2. Adapter Power Supply Mode was tested.

Adapter Power Supply Mode:

Project No.: 2502W36785E-RF
Port: Line
Test Mode: Transmitting
IF B/W 9kHz PK/AV

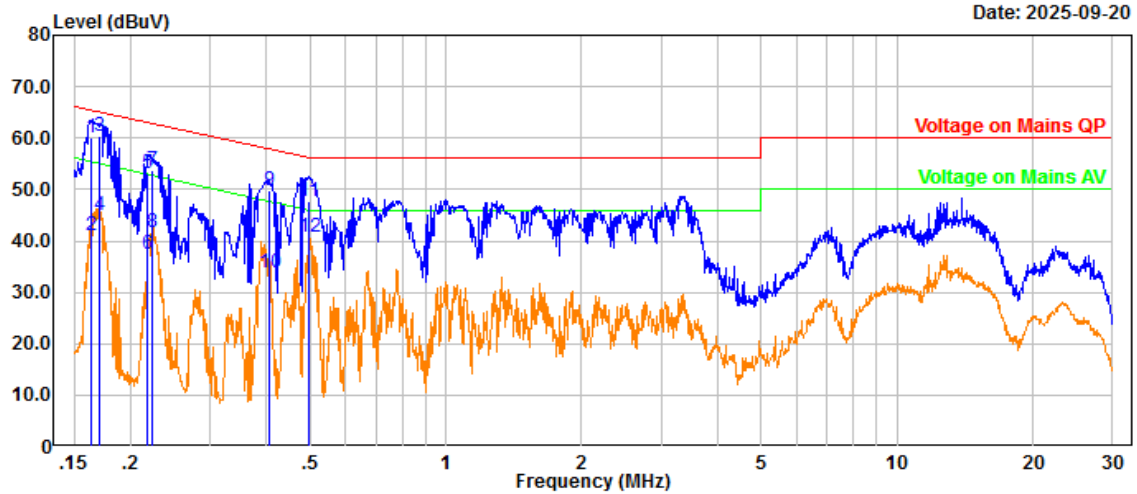
Serial No.: 389D-2
Tester: kin Qiu
Note: M2 Part 15.407



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.164	49.65	9.73	59.38	65.25	5.87	QP
2	0.164	33.21	9.73	42.94	55.25	12.31	Average
3	0.172	49.59	9.74	59.33	64.89	5.56	QP
4	0.172	35.15	9.74	44.89	54.89	10.00	Average
5	0.187	41.03	9.77	50.80	64.15	13.35	QP
6	0.187	14.22	9.77	23.99	54.15	30.16	Average
7	0.222	42.68	9.77	52.45	62.74	10.29	QP
8	0.222	31.86	9.77	41.63	52.74	11.11	Average
9	0.377	33.76	9.57	43.33	58.36	15.03	QP
10	0.377	10.58	9.57	20.15	48.36	28.21	Average
11	0.406	41.51	9.54	51.05	57.73	6.68	QP
12	0.406	26.77	9.54	36.31	47.73	11.42	Average
13	0.497	40.12	9.41	49.53	56.05	6.52	QP
14	0.497	32.53	9.41	41.94	46.05	4.11	Average

Project No.: 2502W36785E-RF
 Port: neutral
 Test Mode: Transmitting
 IF B/W 9kHz PK/AV

Serial No.: 389D-2
 Tester: Yukin Qiu
 Note: Part 15.407



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.163	50.58	9.53	60.11	65.29	5.18	QP
2	0.163	31.55	9.53	41.08	55.29	14.21	Average
3	0.170	50.83	9.60	60.43	64.95	4.52	QP
4	0.170	35.50	9.60	45.10	54.95	9.85	Average
5	0.218	43.27	9.88	53.15	62.89	9.74	QP
6	0.218	27.45	9.88	37.33	52.89	15.56	Average
7	0.223	43.98	9.88	53.86	62.71	8.85	QP
8	0.223	31.66	9.88	41.54	52.71	11.17	Average
9	0.406	39.99	9.70	49.69	57.72	8.03	QP
10	0.406	24.19	9.70	33.89	47.72	13.83	Average
11	0.497	38.19	9.61	47.80	56.06	8.26	QP
12	0.497	31.02	9.61	40.63	46.06	5.43	Average

5.2 Radiation Spurious Emissions

1) 9kHz - 1GHz

Serial Number:	389D-2	Test Date:	2025/9/18~2025/10/10
Test Site:	Chamber10m	Test Mode:	Transmitting
Tester:	Zoo Zou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.2~27.1	Relative Humidity: (%)	42~50	ATM Pressure: (kPa)	100.5~100.6
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMCO	Passive Loop Antenna	6512	9706-1206	2023/10/25	2026/10/24
Sunol Sciences	Hybrid Antenna	JB3	A060611-1	2023/9/6	2026/9/5
Narda	Coaxial Attenuator	779-6dB	04269	2023/9/6	2026/9/5
Unknown	Coaxial Cable	C-NJNJ-50	C-1000-01	2025/7/1	2026/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2025/7/1	2026/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2025/7/1	2026/6/30
Sonoma	Amplifier	310N	185914	2025/8/25	2026/8/24
R&S	EMI Test Receiver	ESR3	102453	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 table and plots.

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

Note:

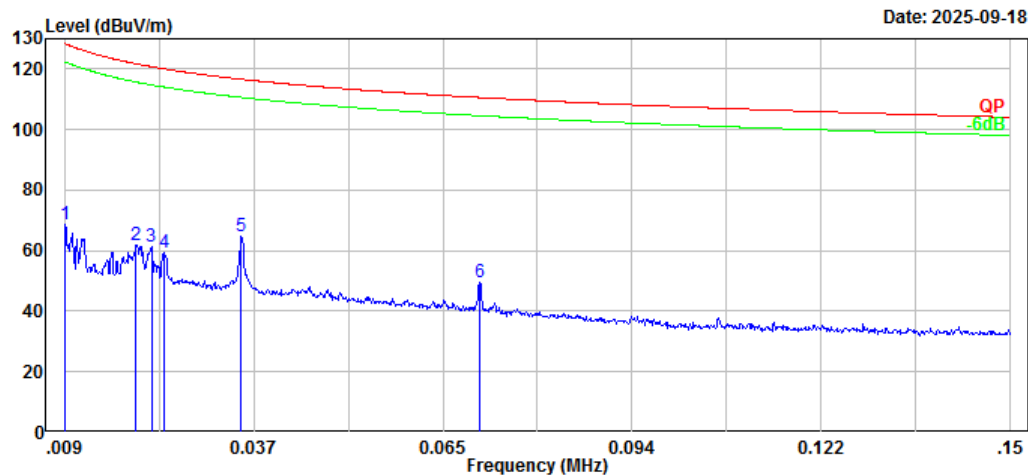
1. The maximum output power mode and channel: 802.11be eht40 MIMO mode 5755MHz was tested.
2. Adapter Power Supply Mode was tested.

9kHz~30MHz

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

Project No.: 2502W36785E-RF
Polarization: Parallel
Test Mode: Transmitting
Note:
RBW:200Hz VBW:1kHz

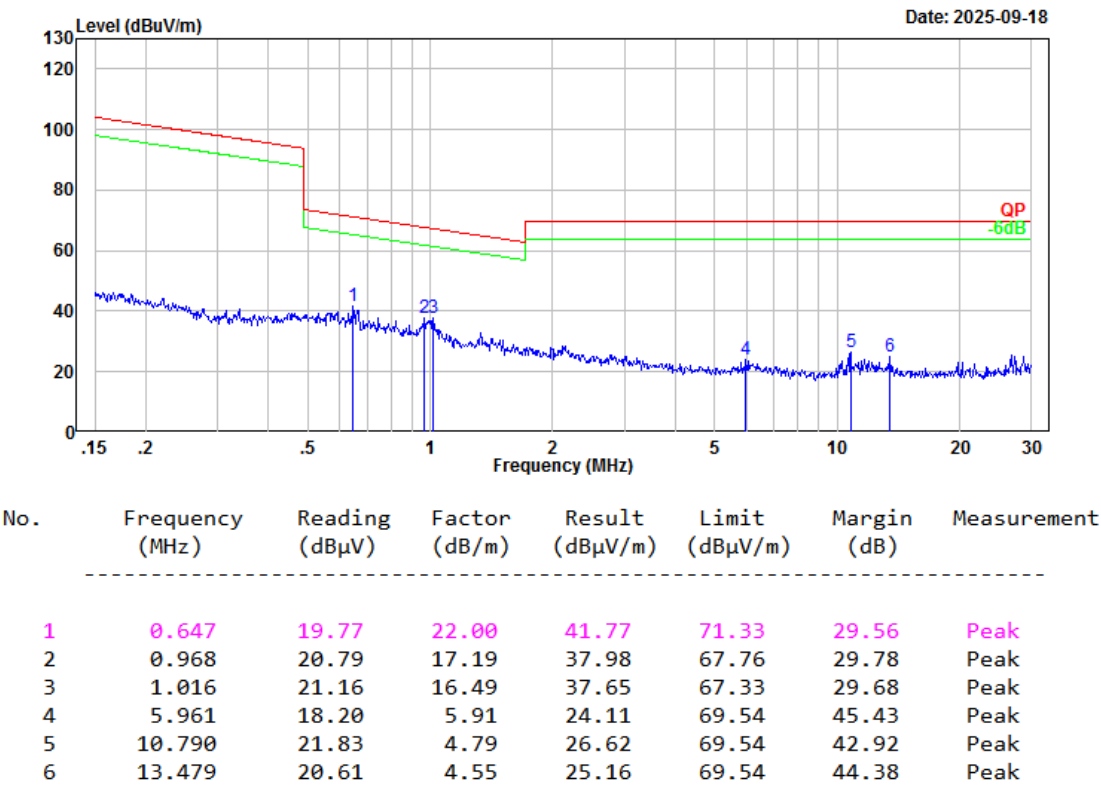
Serial No.: 389D-2
Tester: Zoo Zou



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.009	15.58	53.19	68.77	128.39	59.62	Peak
2	0.020	11.52	50.11	61.63	121.71	60.08	Peak
3	0.022	11.58	49.55	61.13	120.77	59.64	Peak
4	0.024	10.46	49.05	59.51	120.02	60.51	Peak
5	0.035	18.12	46.60	64.72	116.63	51.91	Peak
6	0.071	9.28	40.44	49.72	110.59	60.87	Peak

Project No.: 2502W36785E-RF
Polarization: Parallel
Test Mode: Transmitting
Note:
RBW:9kHz VBW:30kHz

Serial No.: 389D-2
Tester: Zoo Zou



30MHz-1GHz

Project No.: 2502W36785E-RF

Serial No.: 389D-2

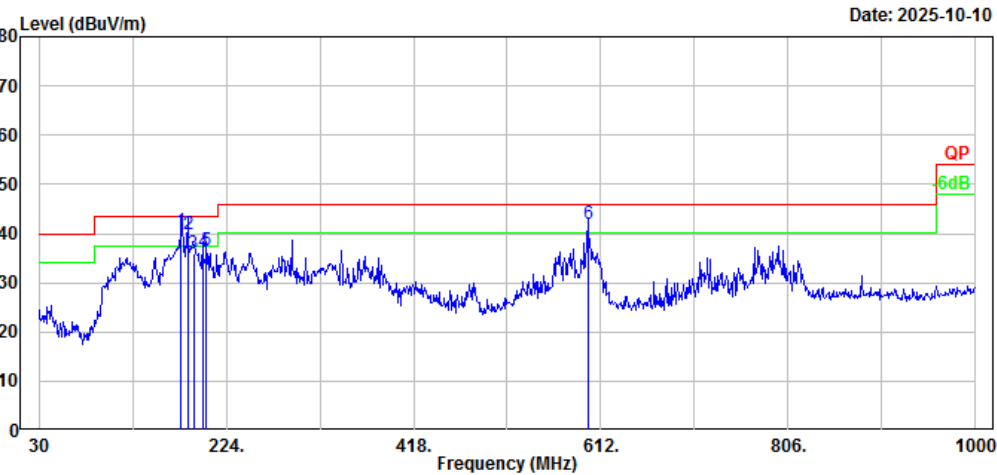
Polarization: Horizontal

Tester: Zoo Zou

Test Mode: Transmitting

Note:

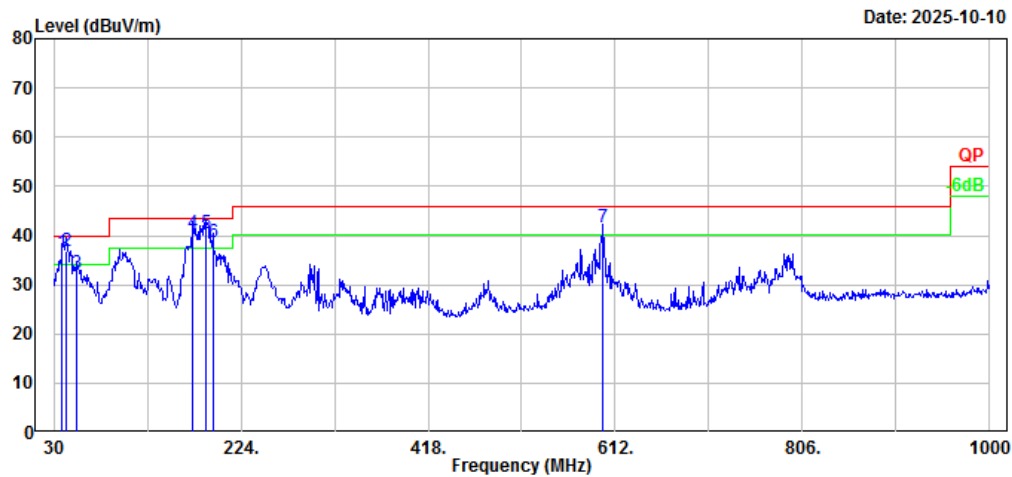
RBW:120kHz VBW:500kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	177.44	52.60	-12.11	40.49	43.52	3.03	QP
2	184.23	52.00	-12.24	39.76	43.52	3.76	QP
3	190.05	48.00	-12.22	35.78	43.52	7.74	QP
4	199.75	47.50	-11.35	36.15	43.52	7.37	QP
5	203.63	48.40	-11.85	36.55	43.52	6.97	QP
6	598.42	45.10	-3.14	41.96	46.02	4.06	QP

Project No.: 2502W36785E-RF
Polarization: Vertical
Test Mode: Transmitting
Note:
RBW:120kHz VBW:500kHz

Serial No.: 389D-2
Tester: Zoo Zou



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	38.73	46.49	-10.07	36.42	40.00	3.58	QP
2	43.58	49.80	-12.88	36.92	40.00	3.08	QP
3	53.28	48.70	-16.42	32.28	40.00	7.72	QP
4	174.53	52.40	-11.94	40.46	43.52	3.06	QP
5	188.11	52.70	-12.23	40.47	43.52	3.05	QP
6	194.90	50.30	-11.78	38.52	43.52	5.00	QP
7	599.39	44.70	-3.13	41.57	46.02	4.45	QP

2) 1-40GHz:

Serial Number:	389D-2	Test Date:	2025/9/11-2025/9/14
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Willem Qiu/Alan Xie/Leo Xiao	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	24.5-28.1	Relative Humidity: (%)	32-41	ATM Pressure: (kPa)	100.3-100.6

Test Equipment List and Details:

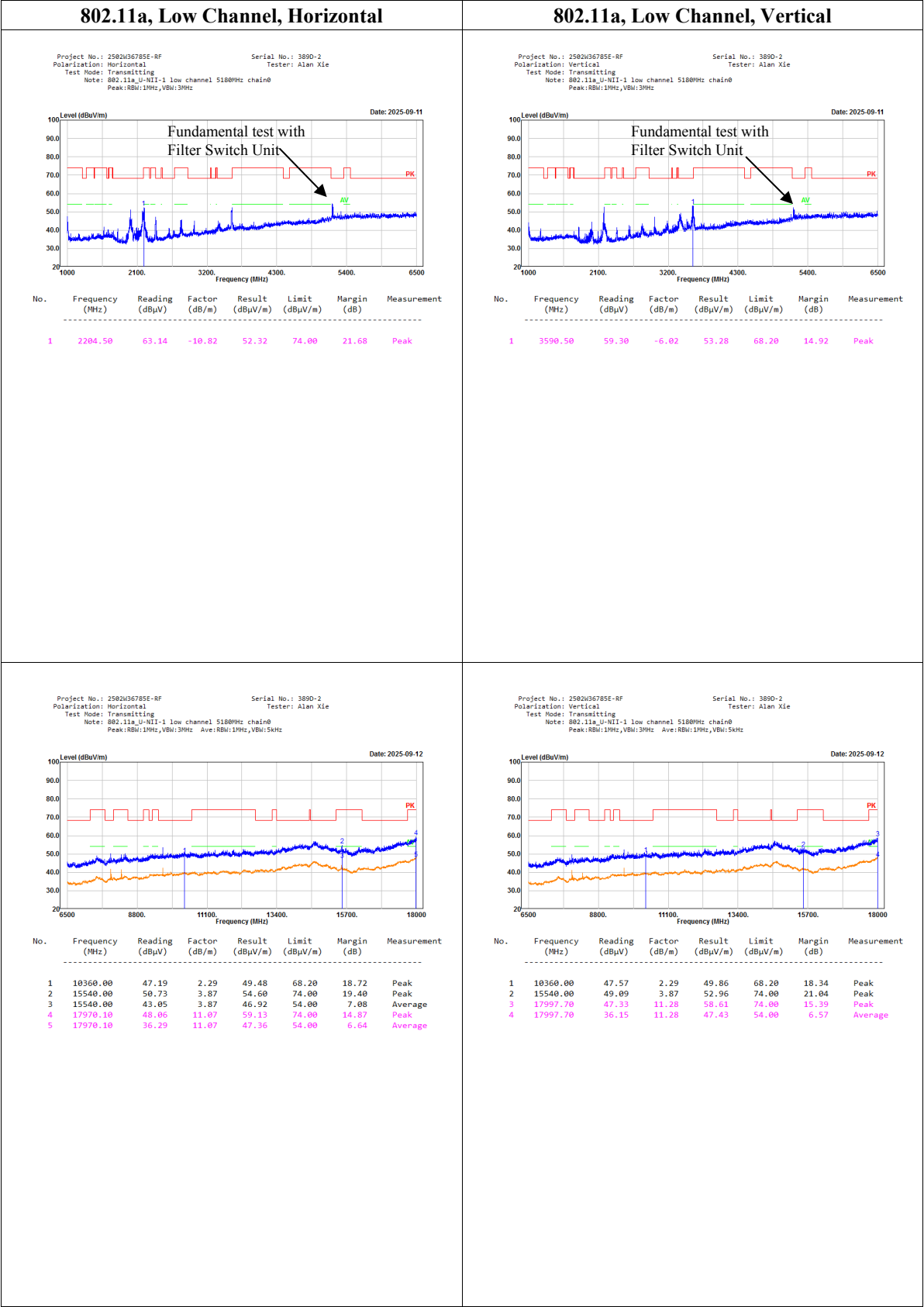
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
ETS-Lindgren	Horn Antenna	3115	000 527 35	2023/9/7	2026/9/6
Ducommun Technologies	Horn Antenna	ARH-4223-02	1007726-02 1304	2023/2/22	2026/2/21
Ducommun Technologies	Horn Antenna	ARH-2823-02	1007726-01 1302	2023/2/22	2026/2/21
Xinhang Macrowave	Coaxial Cable	XH750A-N/J-SMA/J-10M	20231117004 #0001	2024/11/17	2025/11/16
Xinhang Macrowave	Coaxial Cable	XH360A-2.92/J-2.92/J-6M-A	20231208001 #0001	2024/12/9	2025/12/8
AH	Preamplifier	PAM-0118P	469	2025/4/11	2026/4/10
AH	Preamplifier	PAM-1840VH	191	2025/9/4	2026/9/3
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 & DT7220FCU	DC79902 & DC79905	2025/8/25	2026/8/24

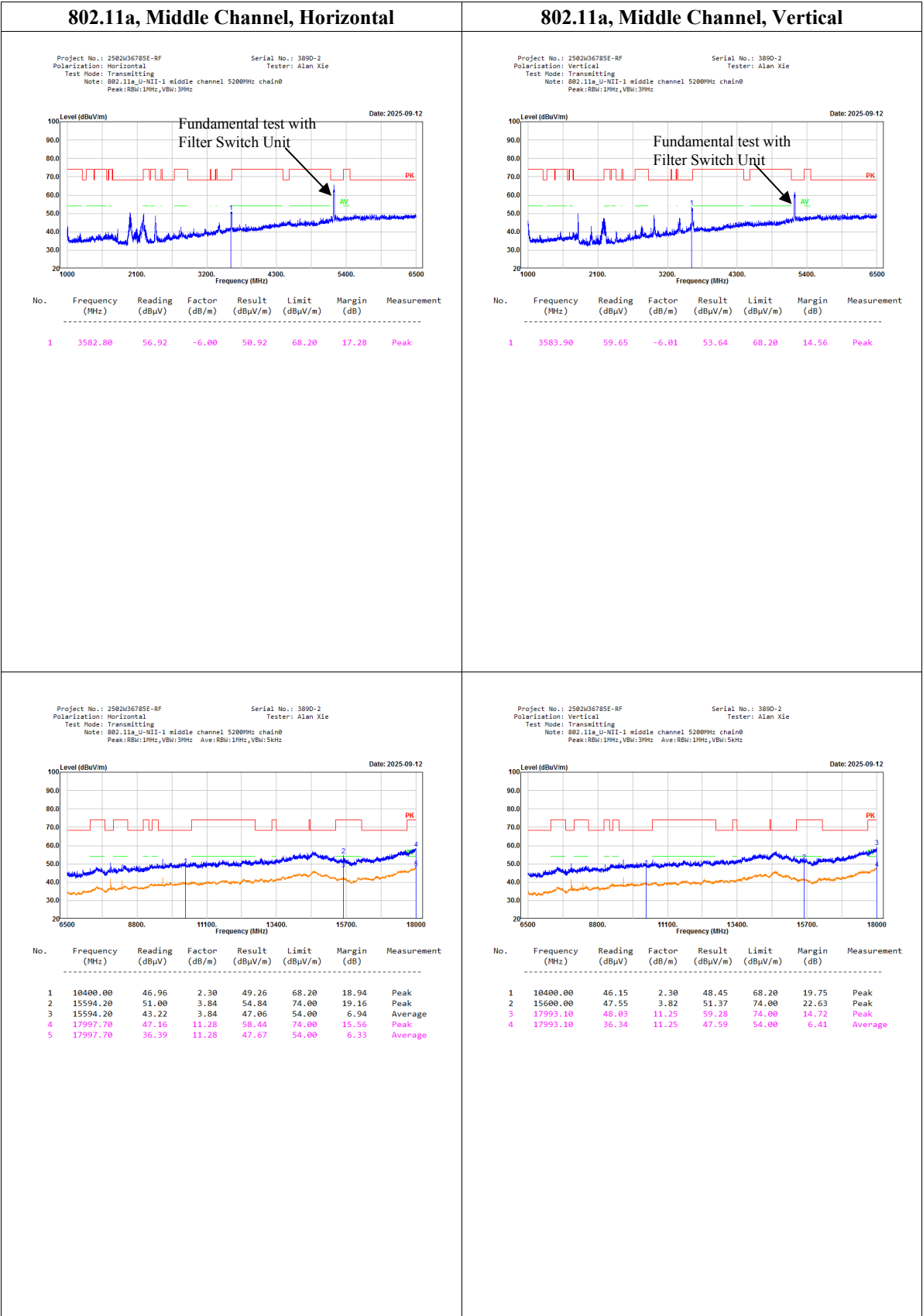
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

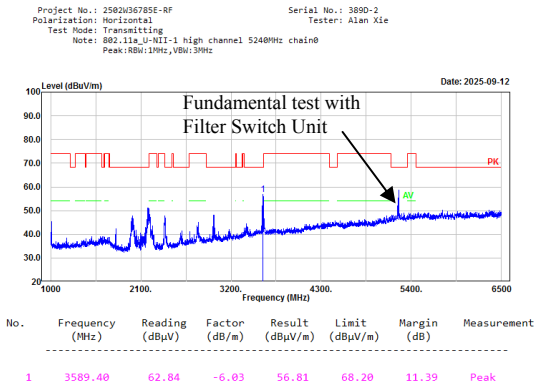
Please refer to the below table and plots.
After pre-scan in the X, Y and Z axes of orientation, the worst case is referred to table and plots.

1-18GHz:
5150-5250MHz:
Chain 0

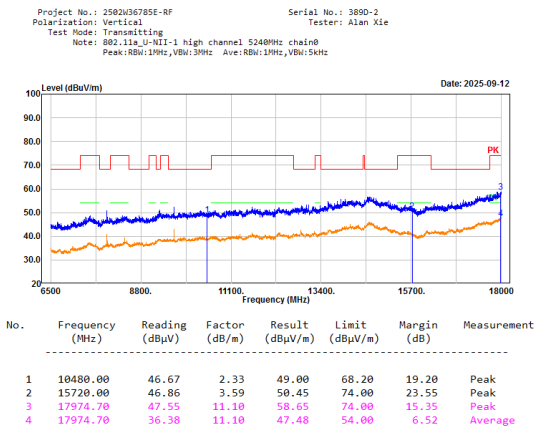
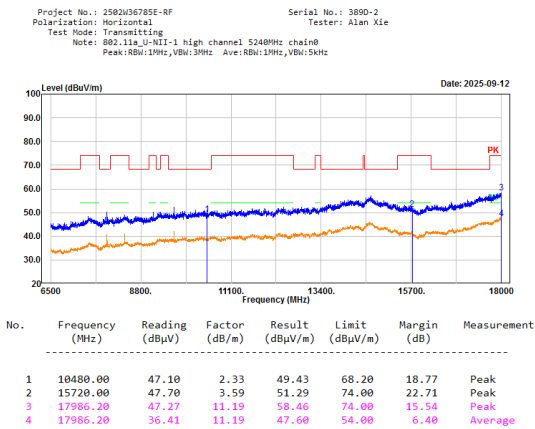
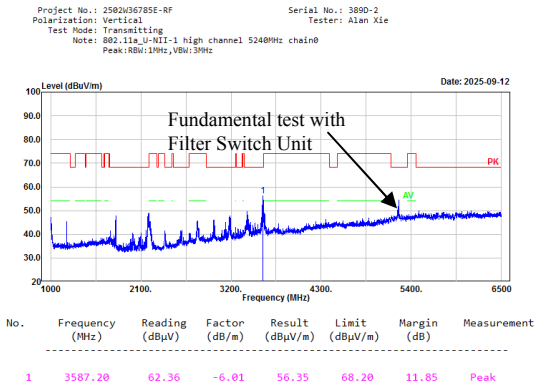




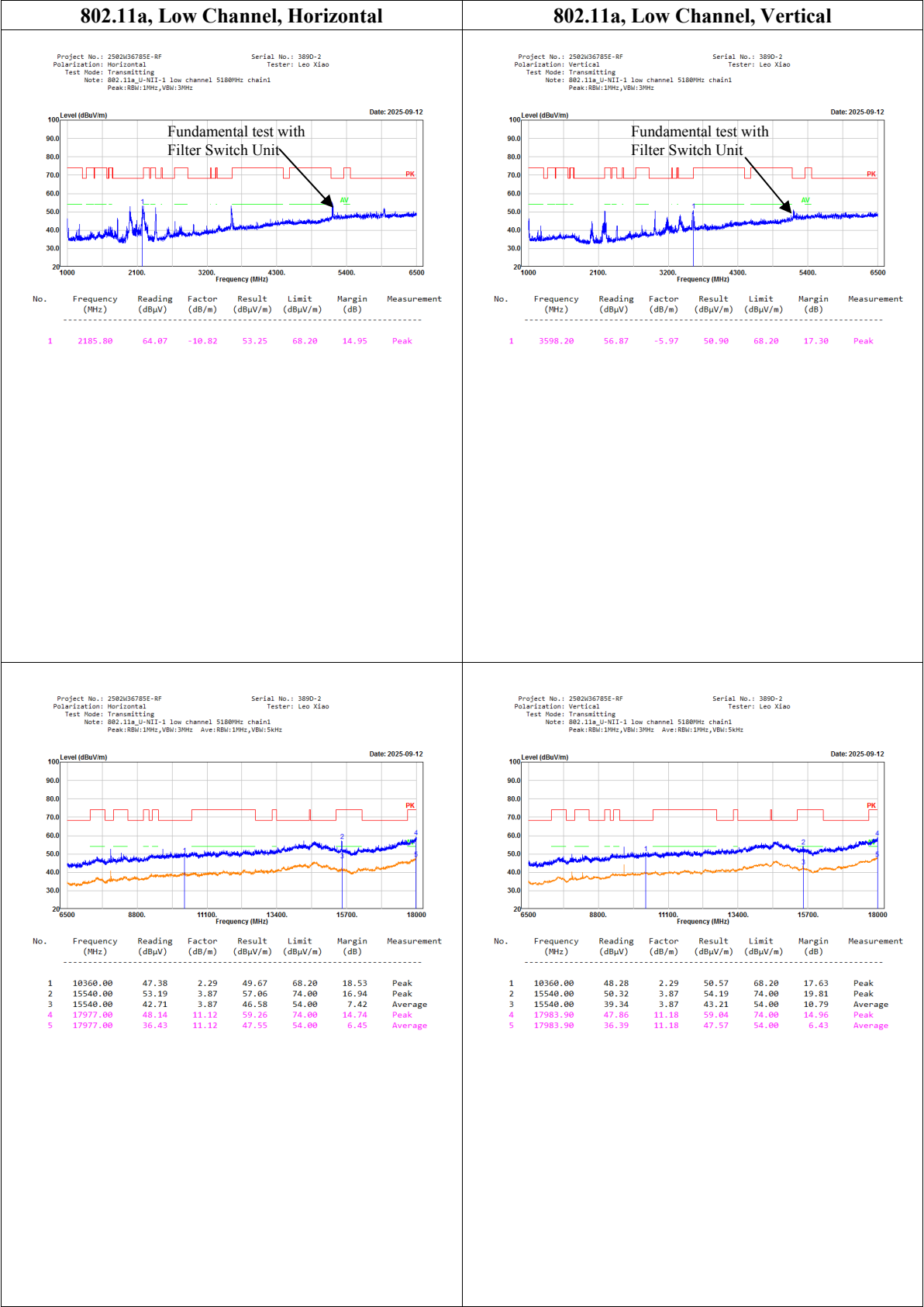
802.11a, High Channel, Horizontal



802.11a, High Channel, Vertical



Chain 1



802.11a, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11a_U-NII-1 middle channel 5200MHz chain1

Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2207.80	68.31	-10.81	57.50	74.00	16.50	Peak
2	2207.80	55.11	-10.81	44.30	54.00	9.70	Average

802.11a, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11a_U-NII-1 middle channel 5200MHz chain1

Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3582.80	57.84	-6.00	51.84	68.20	16.36	Peak

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11a_U-NII-1 middle channel 5200MHz chain1

Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10400.00	48.36	2.30	50.66	68.20	17.54	Peak
2	15600.00	50.21	3.82	54.03	74.00	19.97	Peak
3	15600.00	39.72	3.82	43.54	54.00	10.46	Average
4	17981.60	47.61	11.17	58.78	74.00	15.22	Peak
5	17981.60	36.31	11.17	47.48	54.00	6.52	Average

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11a_U-NII-1 middle channel 5200MHz chain1

Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10400.00	47.24	2.30	49.54	68.20	18.66	Peak
2	15600.00	51.86	3.82	55.68	74.00	18.32	Peak
3	15600.00	40.40	3.82	44.22	54.00	9.78	Average
4	17997.70	47.88	11.28	59.16	74.00	14.84	Peak
5	17997.70	36.22	11.28	47.50	54.00	6.50	Average

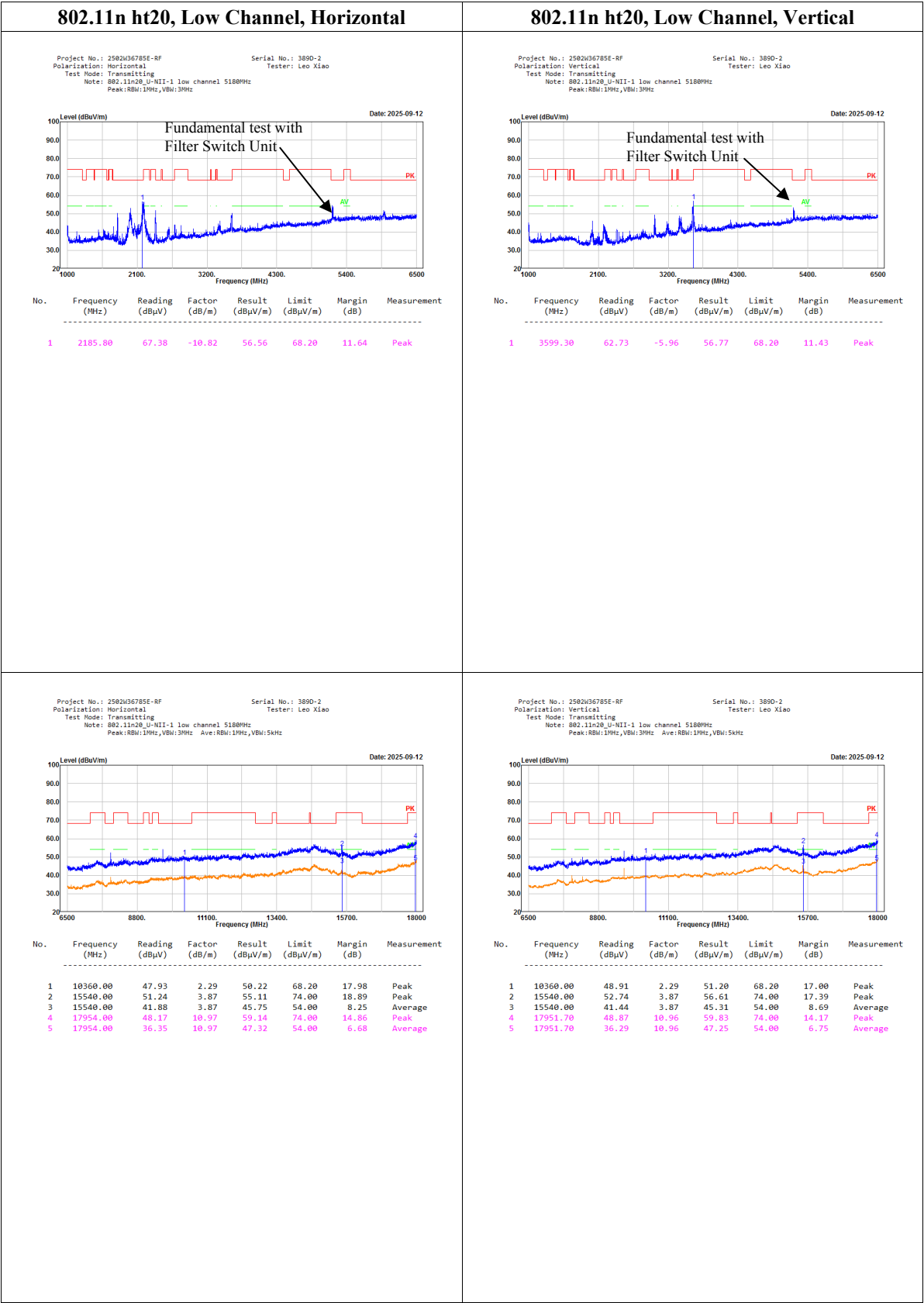
802.11a, High Channel, Horizontal							
Project No.: 2502W36785E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11a_U-NII-1 high channel 5240MHz chain1 Peak:RBW:1MHz,VBW:3MHz				Serial No.: 3890-2 Tester: Leo Xiao			
Date: 2025-09-12							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2190.20	65.81	-10.84	54.97	68.20	13.23	Peak

802.11a, High Channel, Vertical							
Project No.: 2502W36785E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11a_U-NII-1 high channel 5240MHz chain1 Peak:RBW:1MHz,VBW:3MHz				Serial No.: 3890-2 Tester: Leo Xiao			
Date: 2025-09-12							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3596.00	59.79	-5.99	53.80	68.20	14.40	Peak

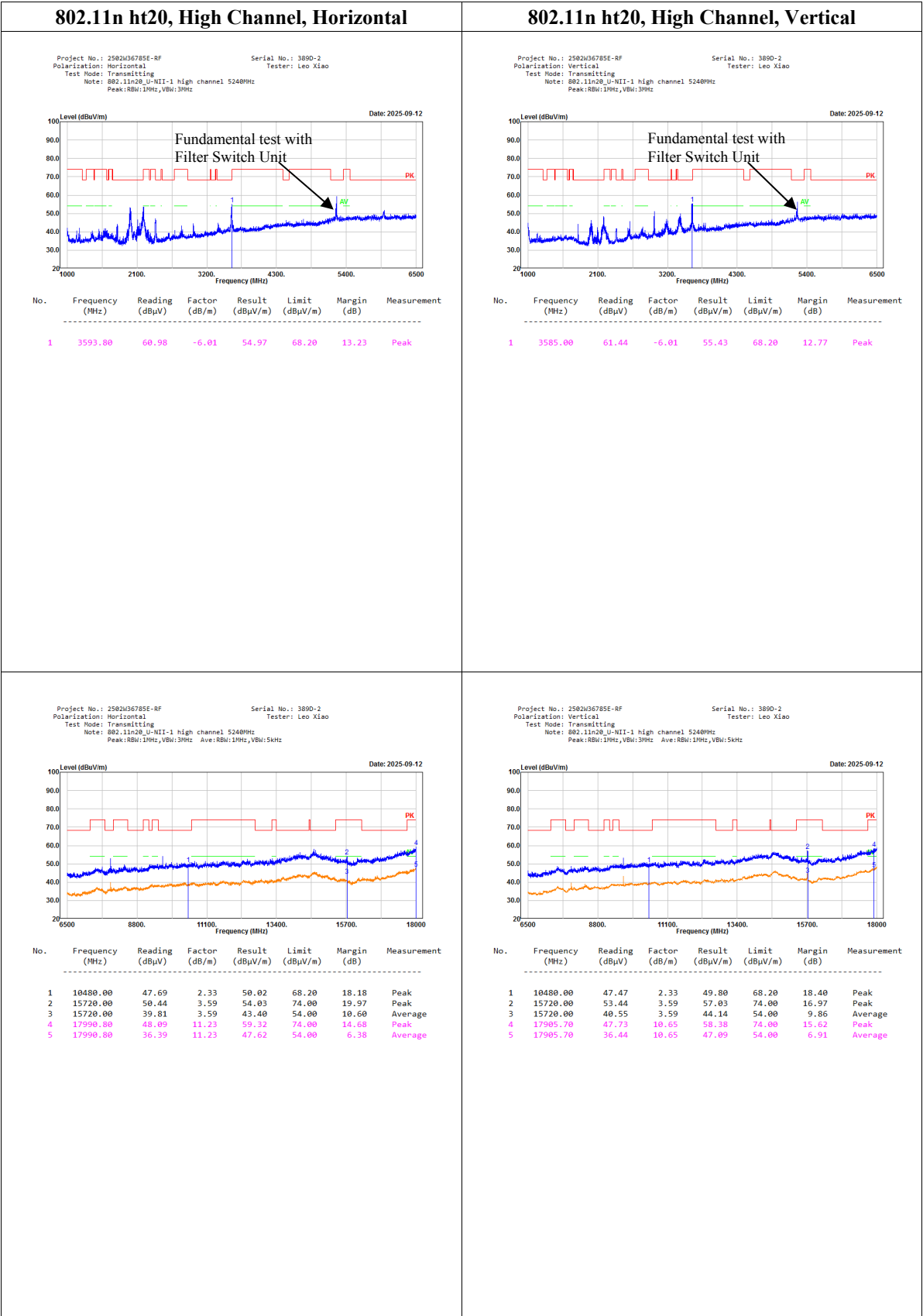
Project No.: 2502W36785E-RF Polarization: Horizontal Test Mode: Transmitting Note: 802.11a_U-NII-1 high channel 5240MHz chain1 Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz				Serial No.: 3890-2 Tester: Leo Xiao			
Date: 2025-09-12							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	47.41	2.33	49.74	68.20	18.46	Peak
2	15720.00	52.22	3.59	55.81	74.00	18.19	Peak
3	15720.00	41.38	3.59	44.97	54.00	9.03	Average
4	17997.70	47.72	11.28	59.00	74.00	15.00	Peak
5	17997.70	36.39	11.28	47.67	54.00	6.33	Average

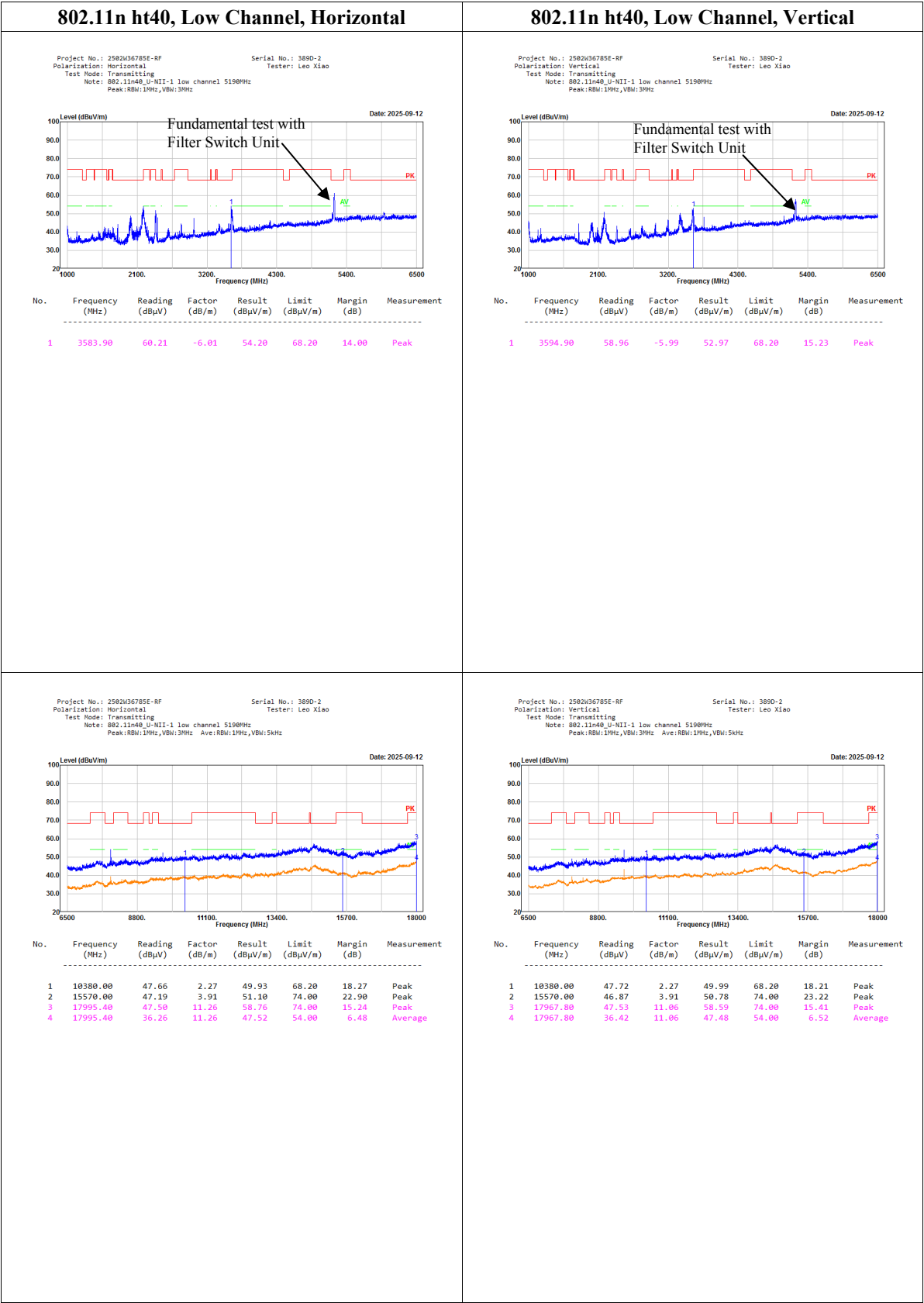
Project No.: 2502W36785E-RF Polarization: Vertical Test Mode: Transmitting Note: 802.11a_U-NII-1 high channel 5240MHz chain1 Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz				Serial No.: 3890-2 Tester: Leo Xiao			
Date: 2025-09-12							
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	47.24	2.33	49.57	68.20	18.63	Peak
2	15720.00	52.13	3.59	55.72	74.00	18.28	Peak
3	15720.00	41.39	3.59	44.98	54.00	9.02	Average
4	17896.50	48.07	10.56	58.63	74.00	15.37	Peak
5	17896.50	36.36	10.56	46.92	54.00	7.08	Average

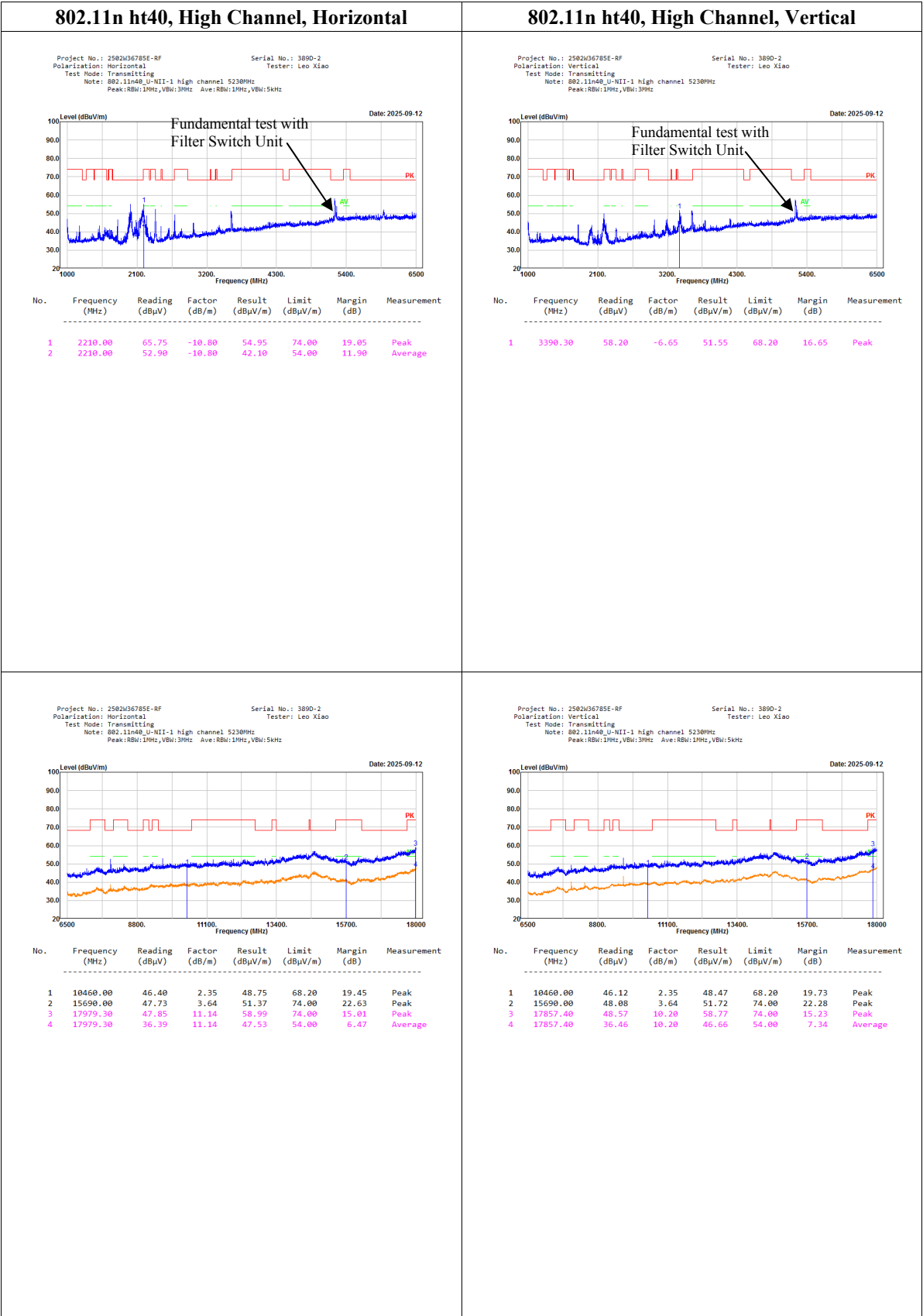
Chain 0+Chain 1:



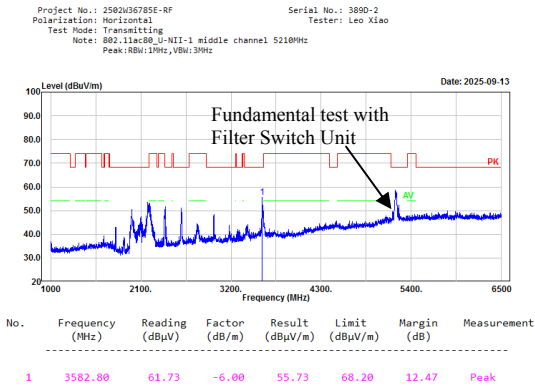
802.11n ht20, Middle Channel, Horizontal Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Horizontal Tester: Leo Xiao Test Mode: Transmitting Note: 802.11n20_U-NII-1 middle channel 5200MHz Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) Fundamental test with Filter Switch Unit Frequency (MHz) 1000 2100 3200 4300 5400 6500 100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20 1 2210.00 64.87 -10.80 54.07 74.00 19.93 Peak 2 2210.00 53.53 -10.80 42.73 54.00 11.27 Average 3 3589.40 64.55 -6.03 58.52 68.20 9.68 Peak	802.11n ht20, Middle Channel, Vertical Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Vertical Tester: Leo Xiao Test Mode: Transmitting Note: 802.11n20_U-NII-1 middle channel 5200MHz Peak:RBW:1MHz,VBW:3MHz Level (dBuV/m) Fundamental test with Filter Switch Unit Frequency (MHz) 1000 2100 3200 4300 5400 6500 100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20 1 3590.50 57.99 -6.02 51.97 68.20 16.23 Peak
Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Horizontal Tester: Leo Xiao Test Mode: Transmitting Note: 802.11n20_U-NII-1 middle channel 5200MHz Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) Frequency (MHz) 6500 8800 11100 13400 15700 18000 100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20 1 10400.00 47.68 2.30 49.98 68.20 18.22 Peak 2 15600.00 53.57 3.82 57.39 74.00 16.61 Peak 3 15600.00 42.42 3.82 46.24 54.00 7.76 Average 4 17970.10 47.93 11.07 59.00 74.00 15.00 Peak 5 17970.10 36.37 11.07 47.44 54.00 6.56 Average	Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Vertical Tester: Leo Xiao Test Mode: Transmitting Note: 802.11n20_U-NII-1 middle channel 5200MHz Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) Frequency (MHz) 6500 8800 11100 13400 15700 18000 100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20 1 10400.00 46.60 2.30 48.90 68.20 19.30 Peak 2 15600.00 51.11 3.82 54.93 74.00 19.07 Peak 3 15600.00 40.70 3.82 44.52 54.00 9.48 Average 4 17986.20 47.88 11.19 59.07 74.00 14.93 Peak 5 17986.20 36.31 11.19 47.50 54.00 6.50 Average



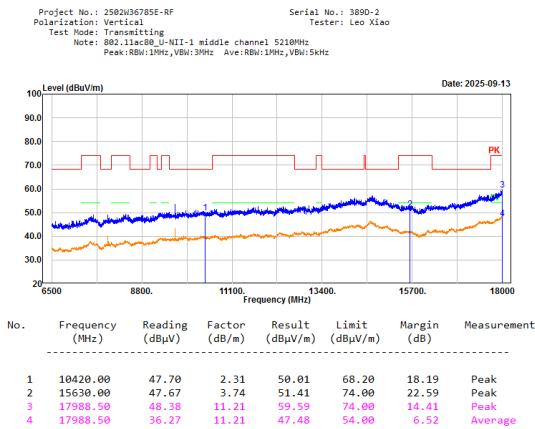
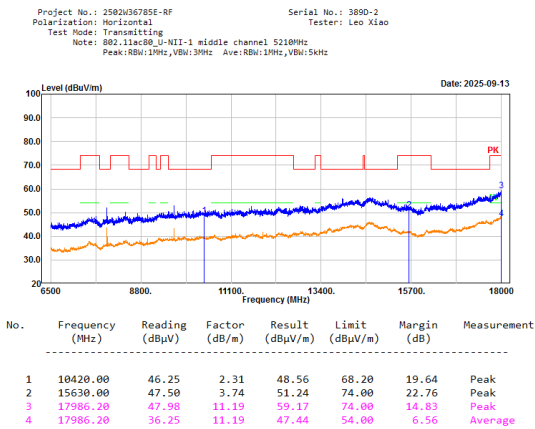
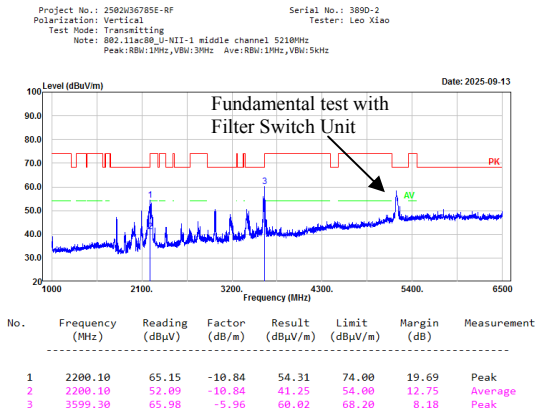




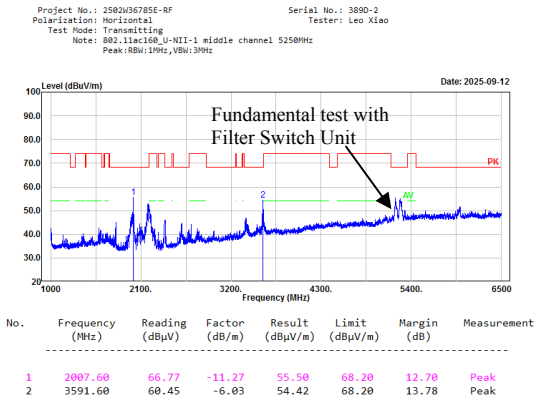
802.11ac vht80, Middle Channel, Horizontal



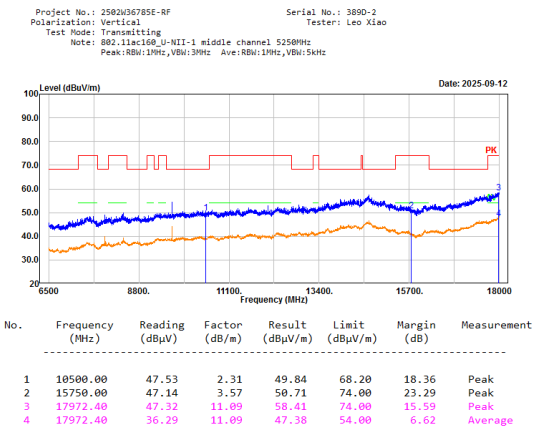
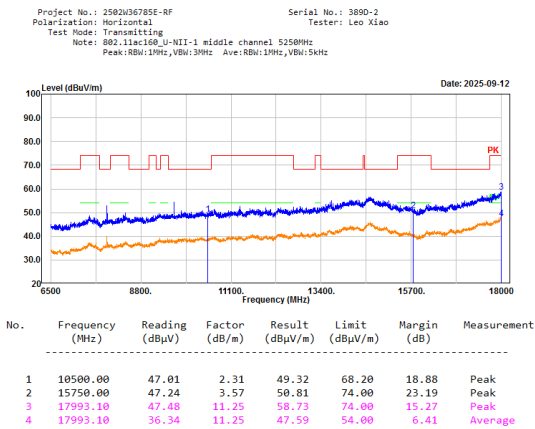
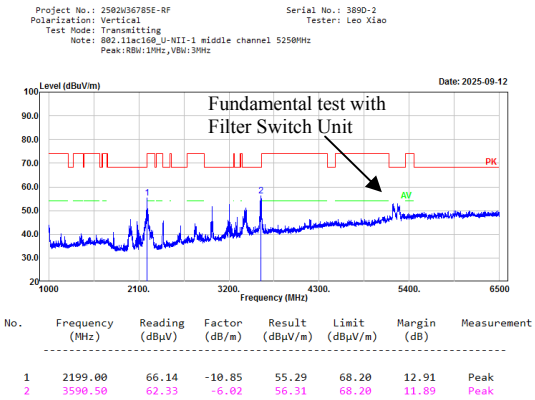
802.11ac vht80, Middle Channel, Vertical

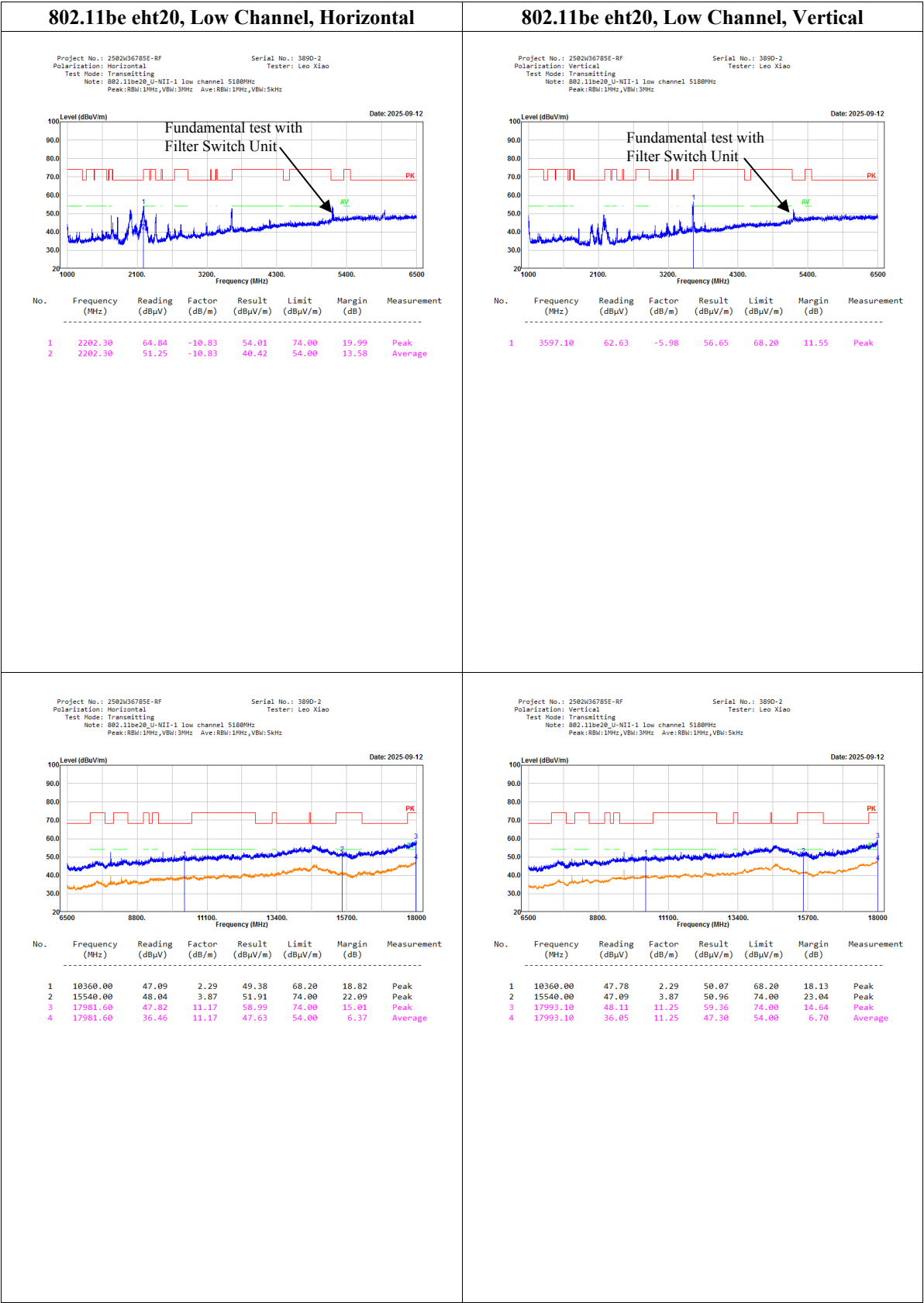


802.11ac vht160, Middle Channel, Horizontal



802.11ac vht160, Middle Channel, Vertical

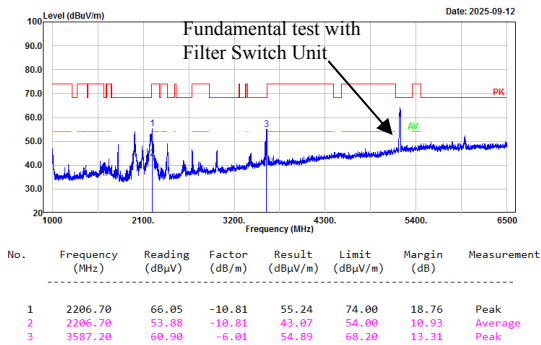




802.11be eht20, Middle Channel, Horizontal

Project No.: 2502W36785E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11be20 U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

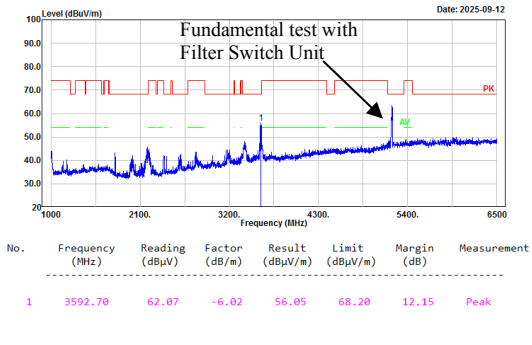
Serial No.: 3890-2
Tester: Leo Xiao



802.11be eht20, Middle Channel, Vertical

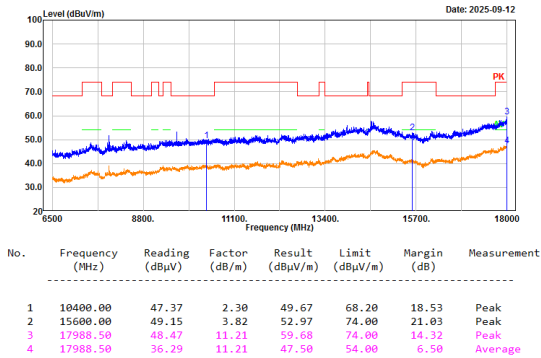
Project No.: 2502W36785E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11be20 U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3890-2
Tester: Leo Xiao



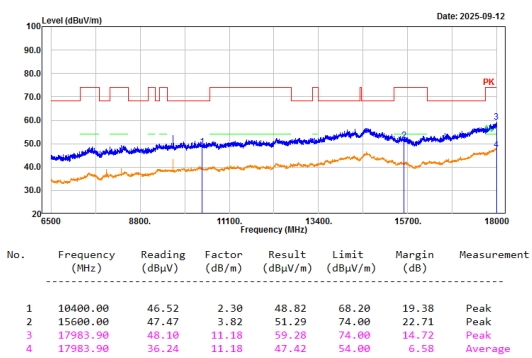
Project No.: 2502W36785E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11be20 U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3890-2
Tester: Leo Xiao



Project No.: 2502W36785E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11be20 U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3890-2
Tester: Leo Xiao



802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-1 high channel 5240MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	1998.80	64.32	-11.31	53.01	68.20	15.19	Peak

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-1 high channel 5240MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3593.80	63.61	-6.01	57.60	68.20	10.60	Peak

802.11be20 U-NII-1 high channel 5240MHz

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-1 high channel 5240MHz

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

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	47.25	2.33	49.58	68.20	18.62	Peak
2	15720.00	47.44	3.59	51.03	74.00	22.97	Peak
3	17997.70	47.53	11.28	58.81	74.00	15.19	Peak
4	17997.70	36.33	11.28	47.61	54.00	6.39	Average

802.11be20 U-NII-1 high channel 5240MHz

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

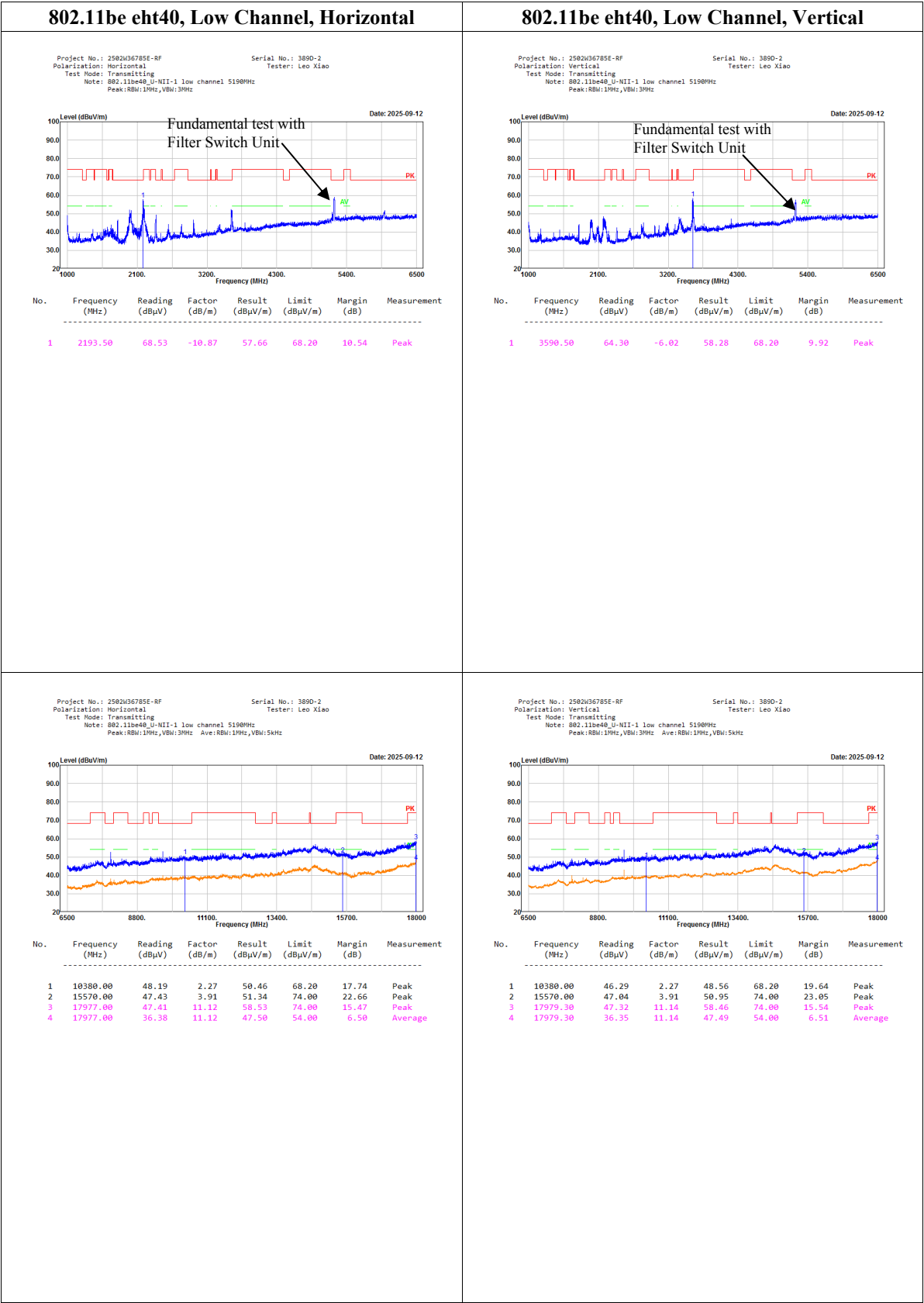
Note: 802.11be20 U-NII-1 high channel 5240MHz

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

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	45.93	2.33	48.26	68.20	19.94	Peak
2	15720.00	46.66	3.59	50.25	74.00	23.75	Peak
3	17958.60	47.51	11.00	58.51	74.00	15.49	Peak
4	17958.60	36.27	11.00	47.27	54.00	6.73	Average



802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40_U-NII-1 high channel 5230MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2197.90	67.32	-10.85	56.47	68.20	11.73	Peak

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40_U-NII-1 high channel 5230MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3598.20	58.56	-5.97	52.59	68.20	15.61	Peak

802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40_U-NII-1 high channel 5230MHz

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

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	46.95	2.35	49.30	68.20	18.90	Peak
2	15690.00	47.82	3.64	51.46	74.00	22.54	Peak
3	17972.40	47.71	11.09	58.80	74.00	15.20	Peak
4	17972.40	36.28	11.09	47.37	54.00	6.63	Average

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40_U-NII-1 high channel 5230MHz

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

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	46.70	2.35	49.05	68.20	19.15	Peak
2	15690.00	47.31	3.64	50.95	74.00	23.05	Peak
3	17935.60	47.79	10.84	58.63	74.00	15.37	Peak
4	17935.60	36.30	10.84	47.14	54.00	6.86	Average

802.11be eht80, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be80_U-NII-1 middle channel 5210MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2189.10	72.21	-10.84	61.37	68.20	6.83	Peak

802.11be eht80, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be80_U-NII-1 middle channel 5210MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3586.10	58.98	-6.02	52.96	68.20	15.24	Peak

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be80_U-NII-1 middle channel 5210MHz

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

Level (dBuV/m)

Frequency (MHz)

2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	47.02	2.31	49.33	68.20	18.87	Peak
2	15630.00	48.68	3.74	52.42	74.00	21.58	Peak
3	17970.10	47.84	11.07	58.91	74.00	15.09	Peak
4	17970.10	36.38	11.07	47.45	54.00	6.55	Average

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be80_U-NII-1 middle channel 5210MHz

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

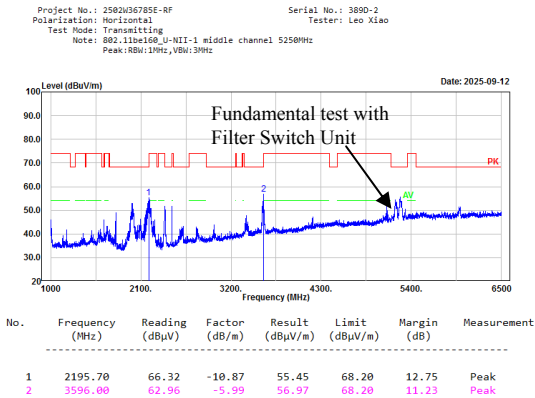
Level (dBuV/m)

Frequency (MHz)

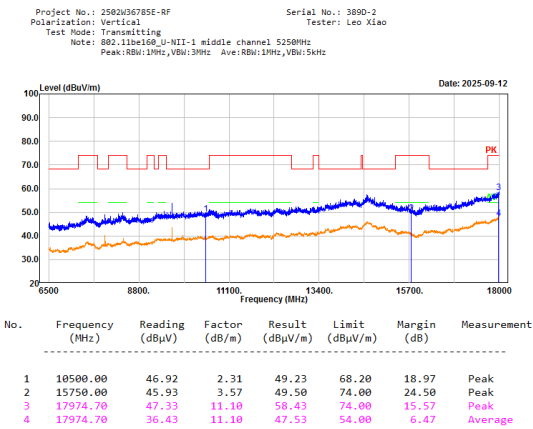
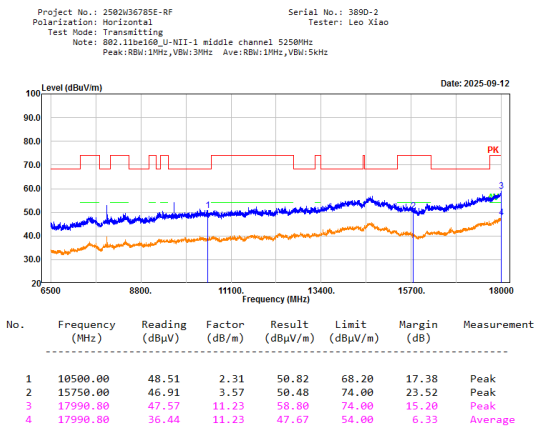
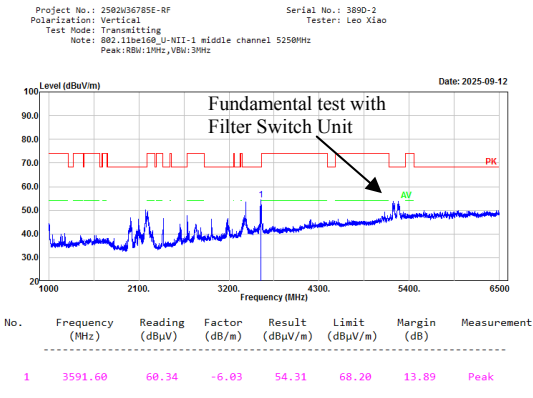
2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	46.61	2.31	48.92	68.20	19.28	Peak
2	15630.00	47.90	3.74	51.64	74.00	22.36	Peak
3	17986.20	47.96	11.19	59.15	74.00	14.85	Peak
4	17986.20	36.36	11.19	47.55	54.00	6.45	Average

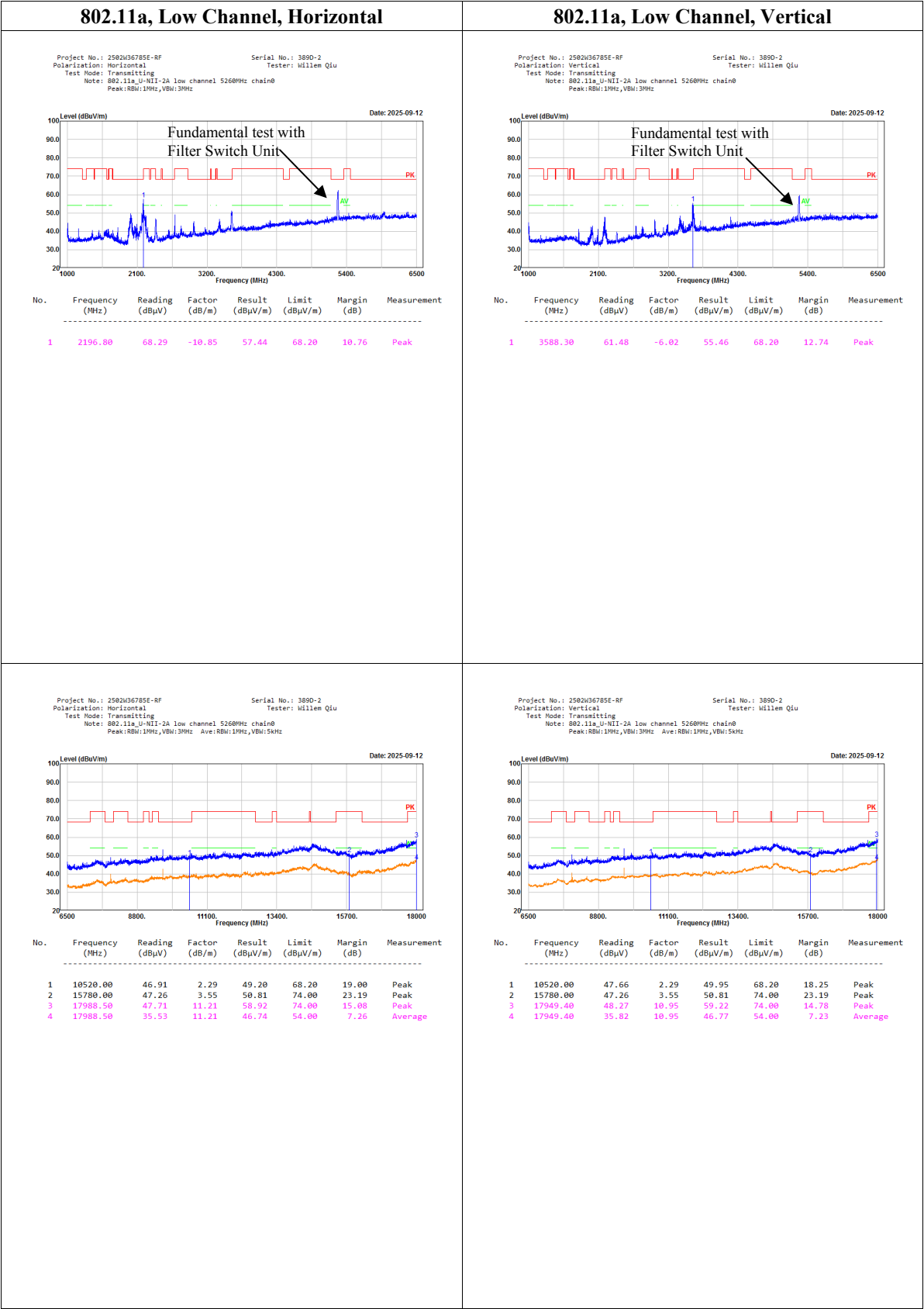
802.11be eht160, Middle Channel, Horizontal

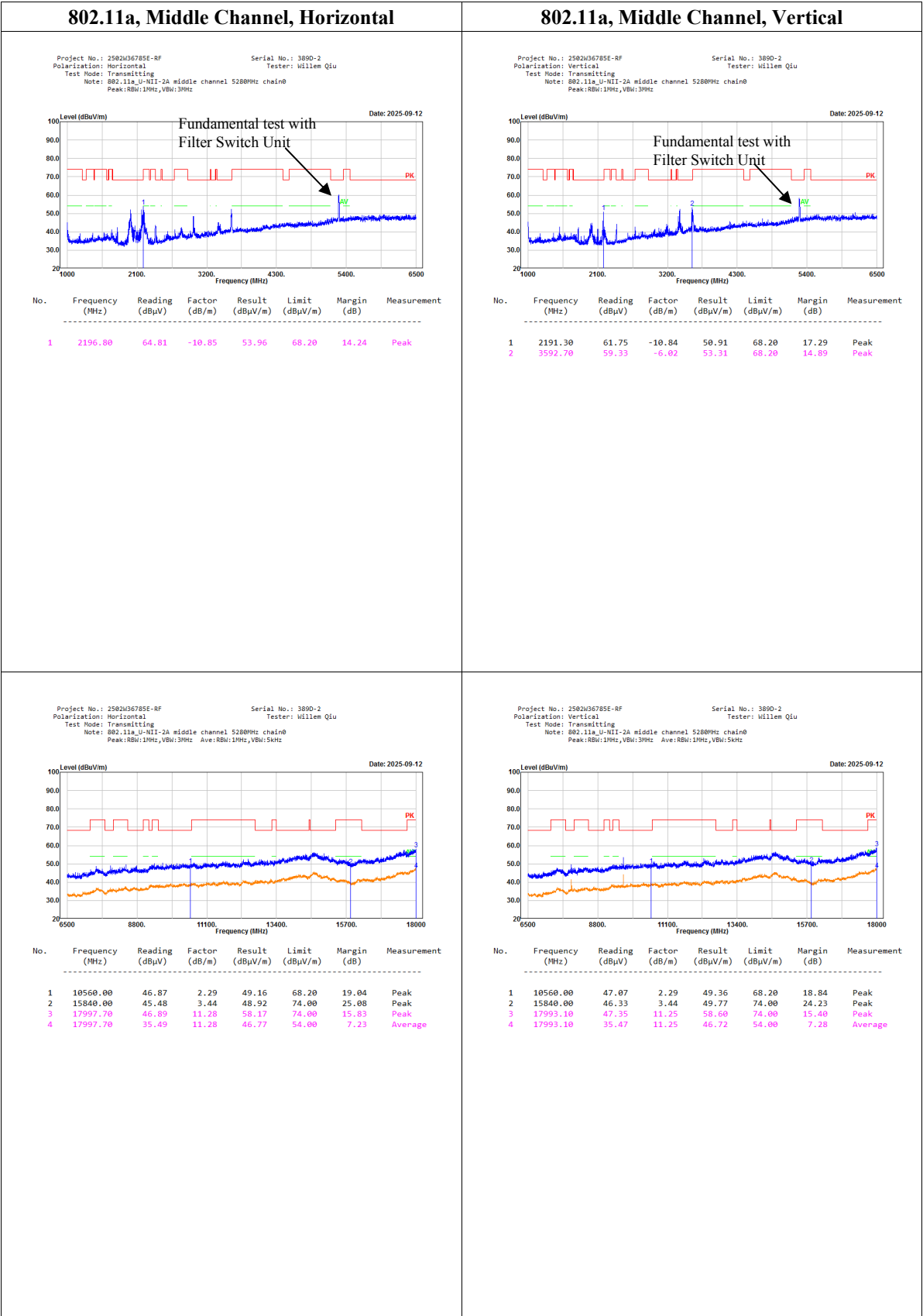


802.11be eht160, Middle Channel, Vertical

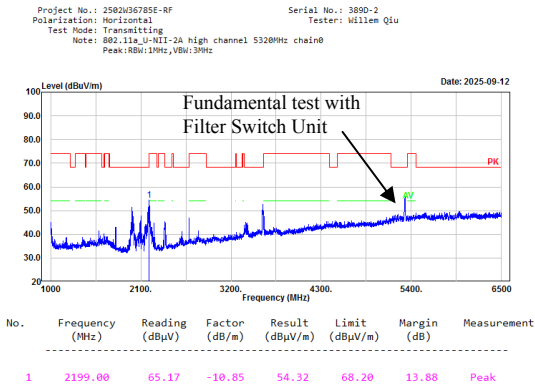


5250-5350MHz:
Chain 0:

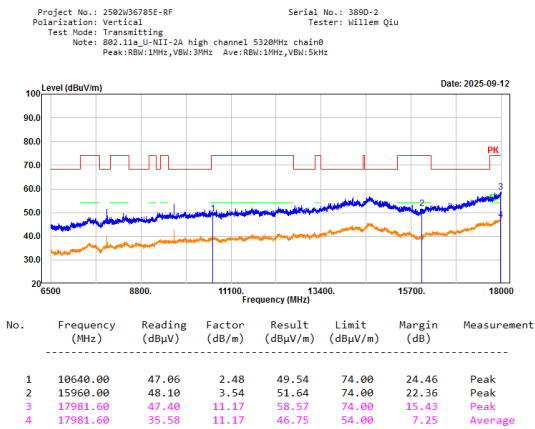
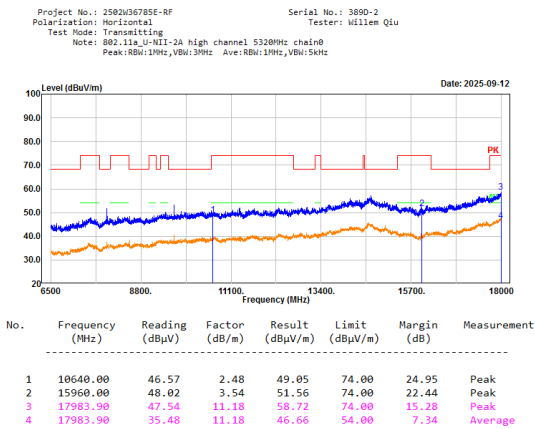
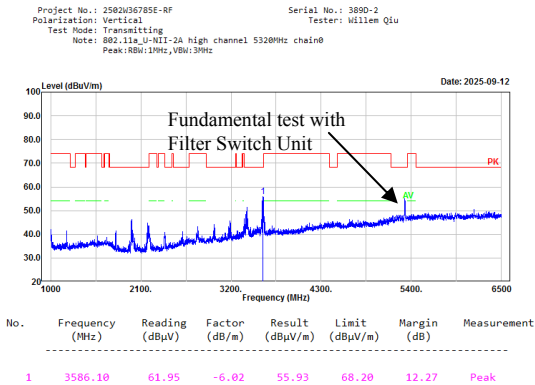




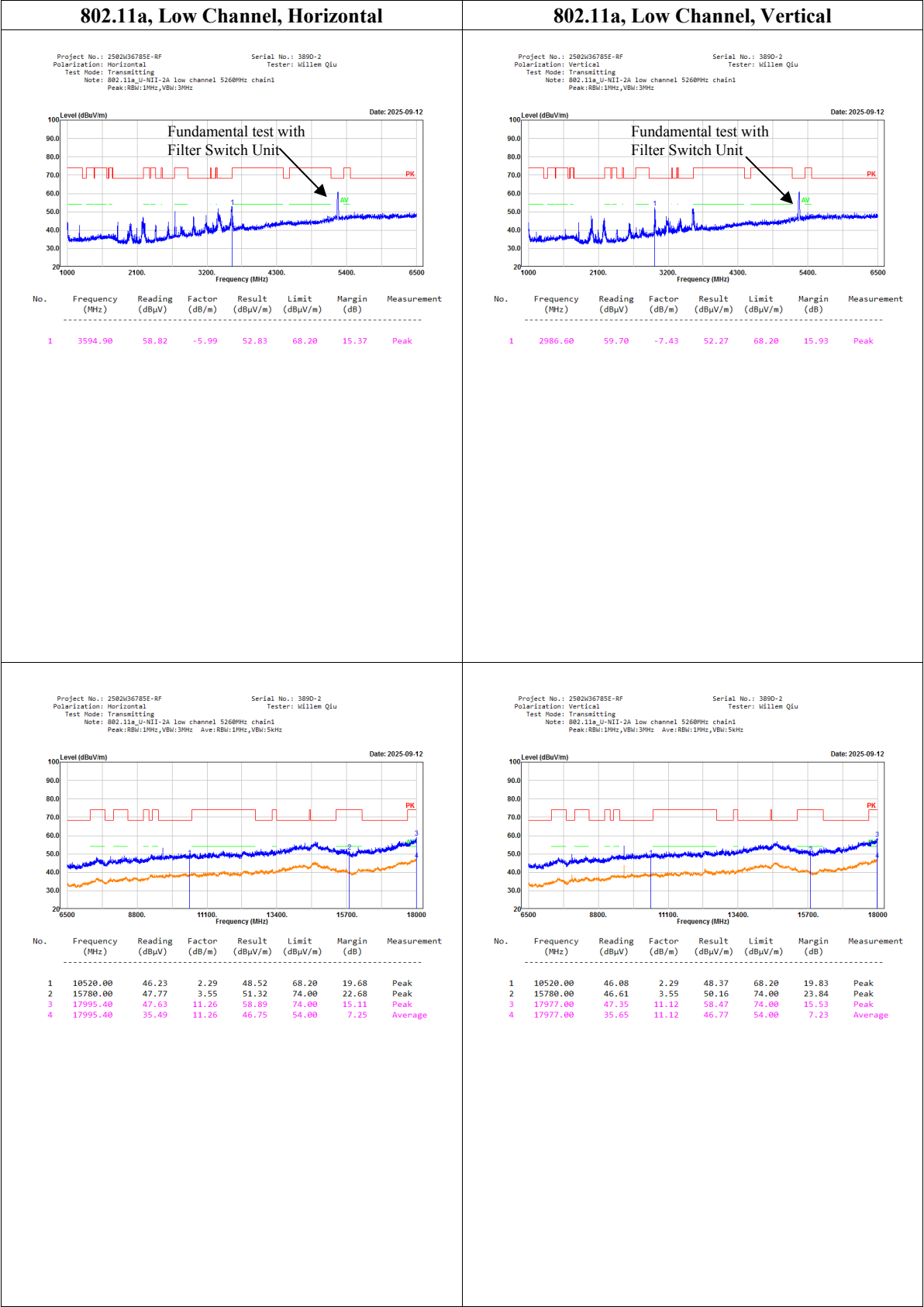
802.11a, High Channel, Horizontal

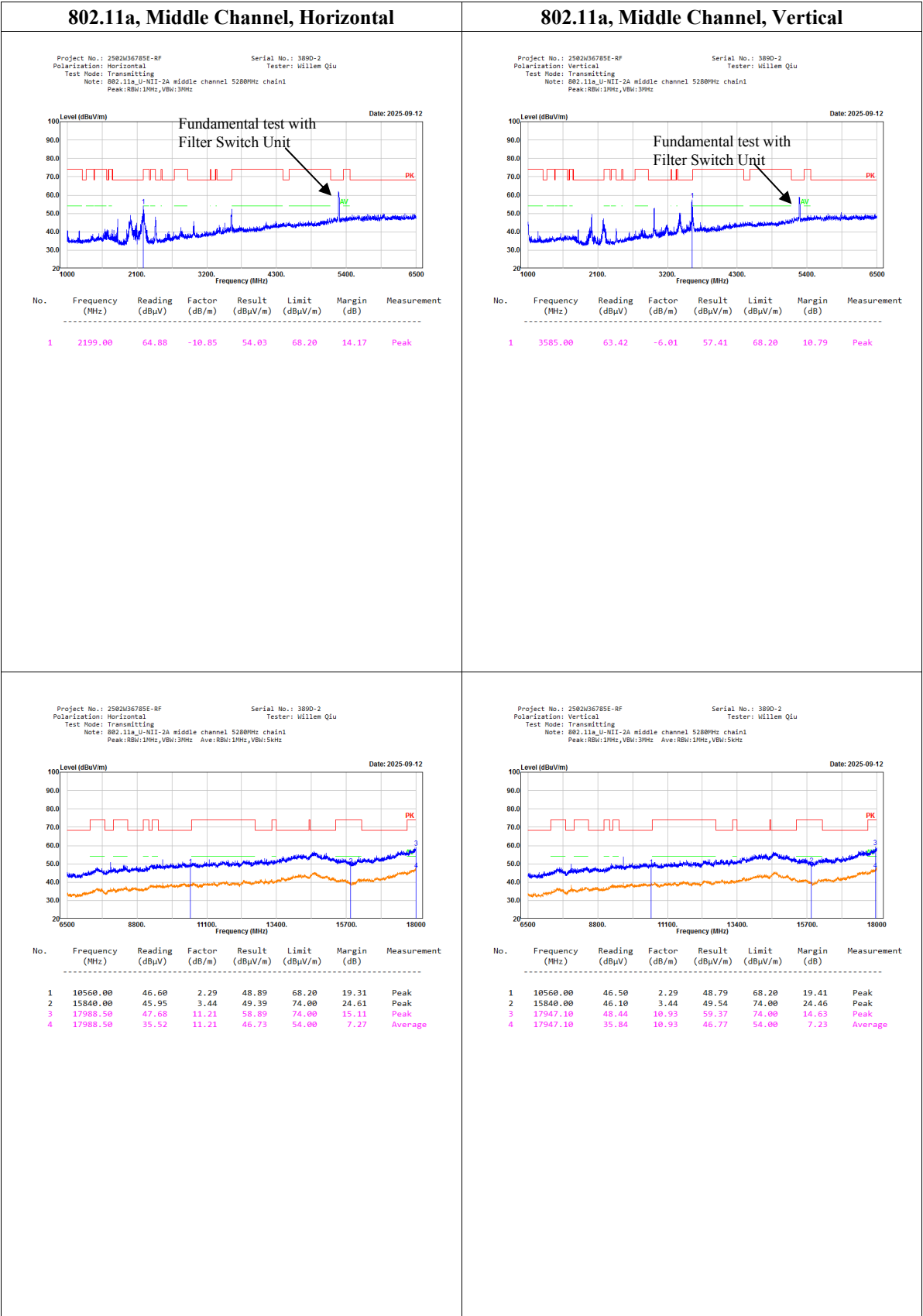


802.11a, High Channel, Vertical

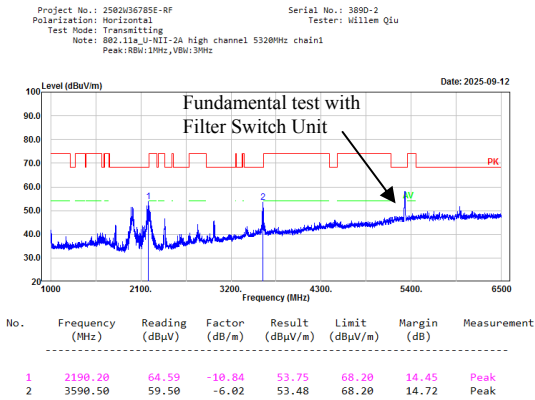


Chain 1:

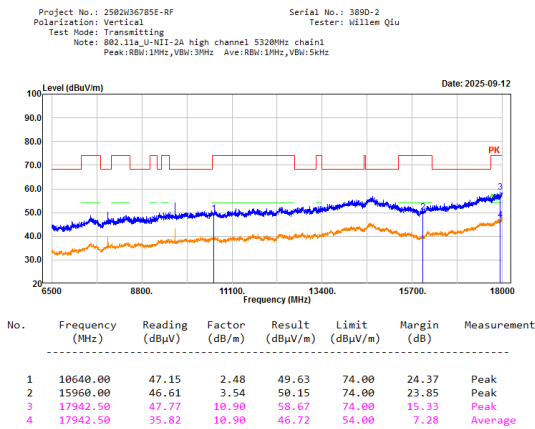
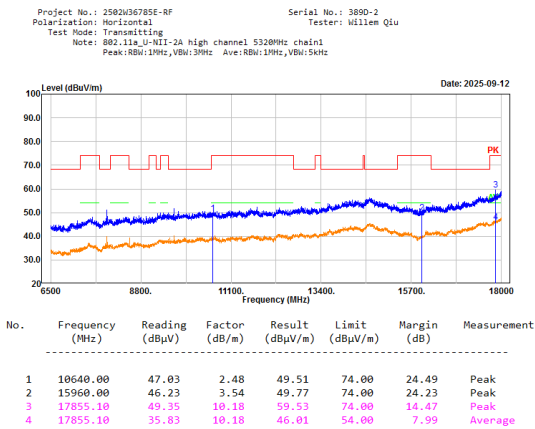
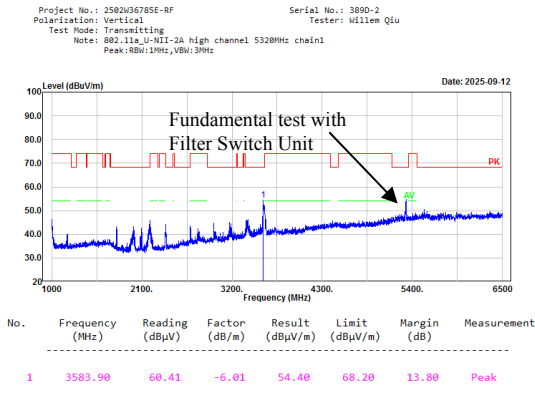




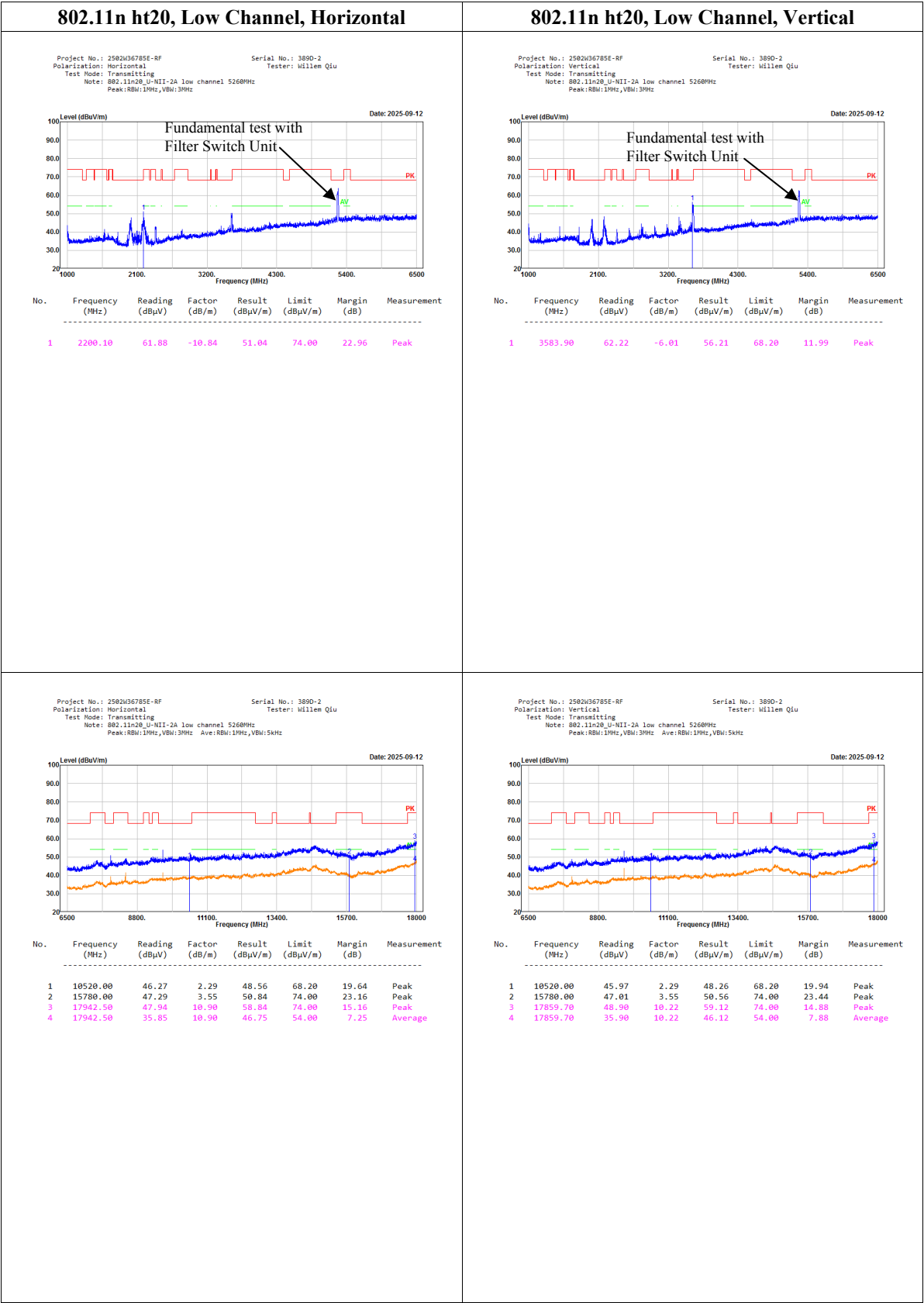
802.11a, High Channel, Horizontal

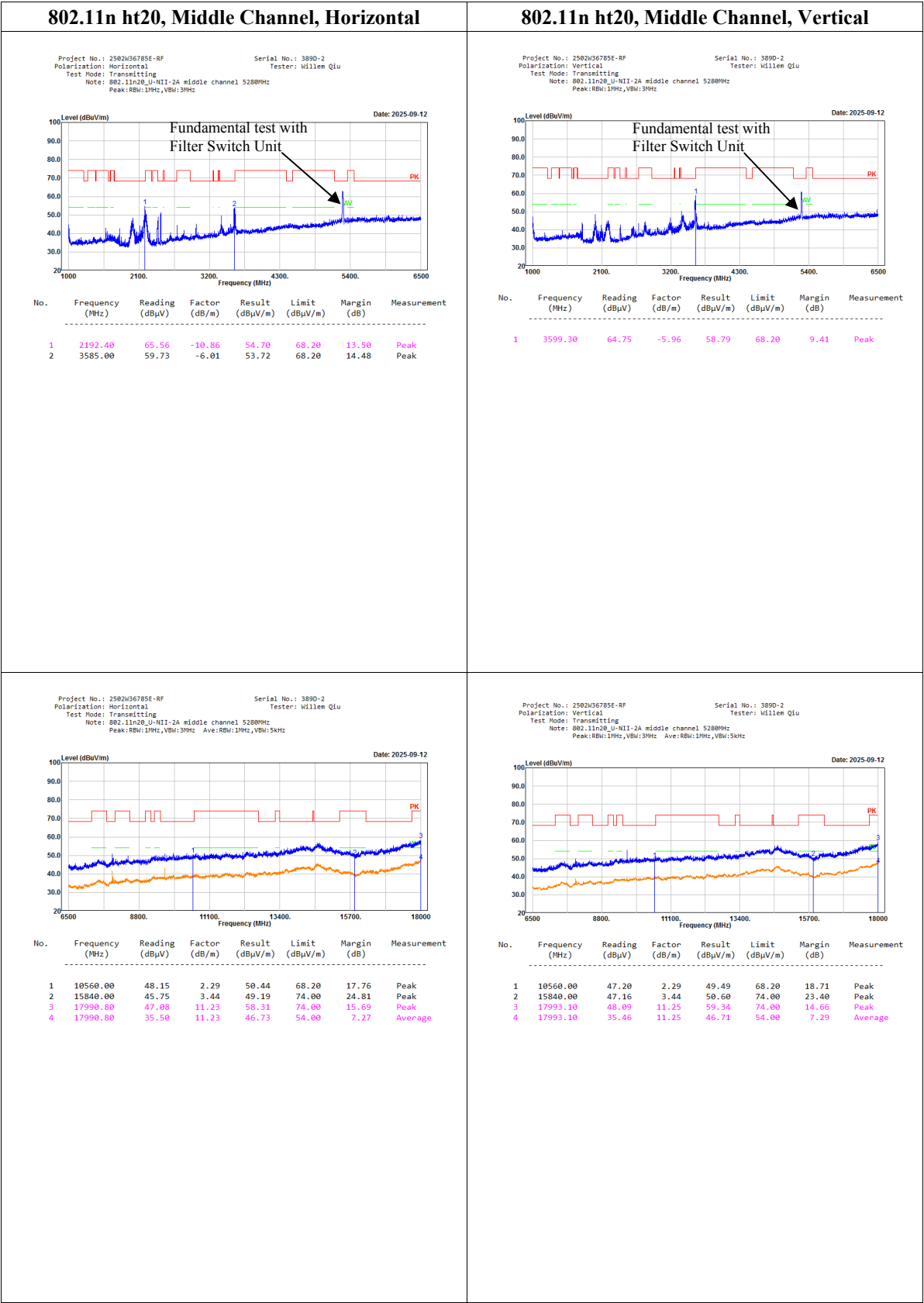


802.11a, High Channel, Vertical



Chain 0+Chain 1:





802.11n ht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n20 U-NII-2A high channel 5320MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

1000 2100 3200 4300 5400 6500

20 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2008.70	65.35	-11.25	54.10	68.20	14.10	Peak

802.11n ht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n20 U-NII-2A high channel 5320MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

1000 2100 3200 4300 5400 6500

20 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3596.00	59.45	-5.99	53.46	68.20	14.74	Peak

802.11n ht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n20 U-NII-2A high channel 5320MHz

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

Level (dBuV/m)

Frequency (MHz)

6500 8800 11100 13400 15700 18000

20 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	46.17	2.48	48.65	74.00	25.35	Peak
2	15960.00	45.93	3.54	49.47	74.00	24.53	Peak
3	17981.60	47.43	11.17	58.60	74.00	15.40	Peak
4	17981.60	35.60	11.17	46.77	54.00	7.23	Average

802.11n ht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11n20 U-NII-2A high channel 5320MHz

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

Level (dBuV/m)

Frequency (MHz)

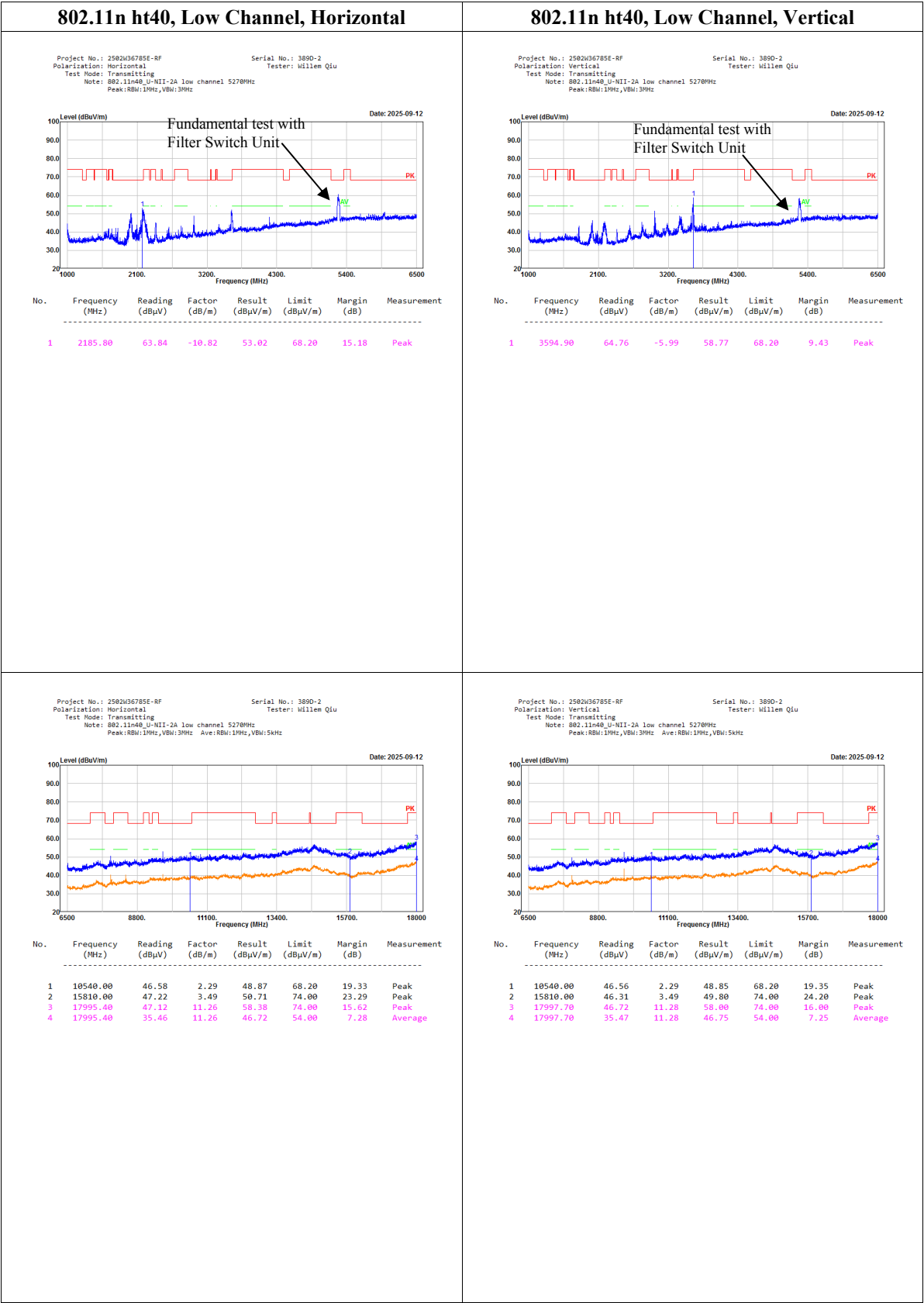
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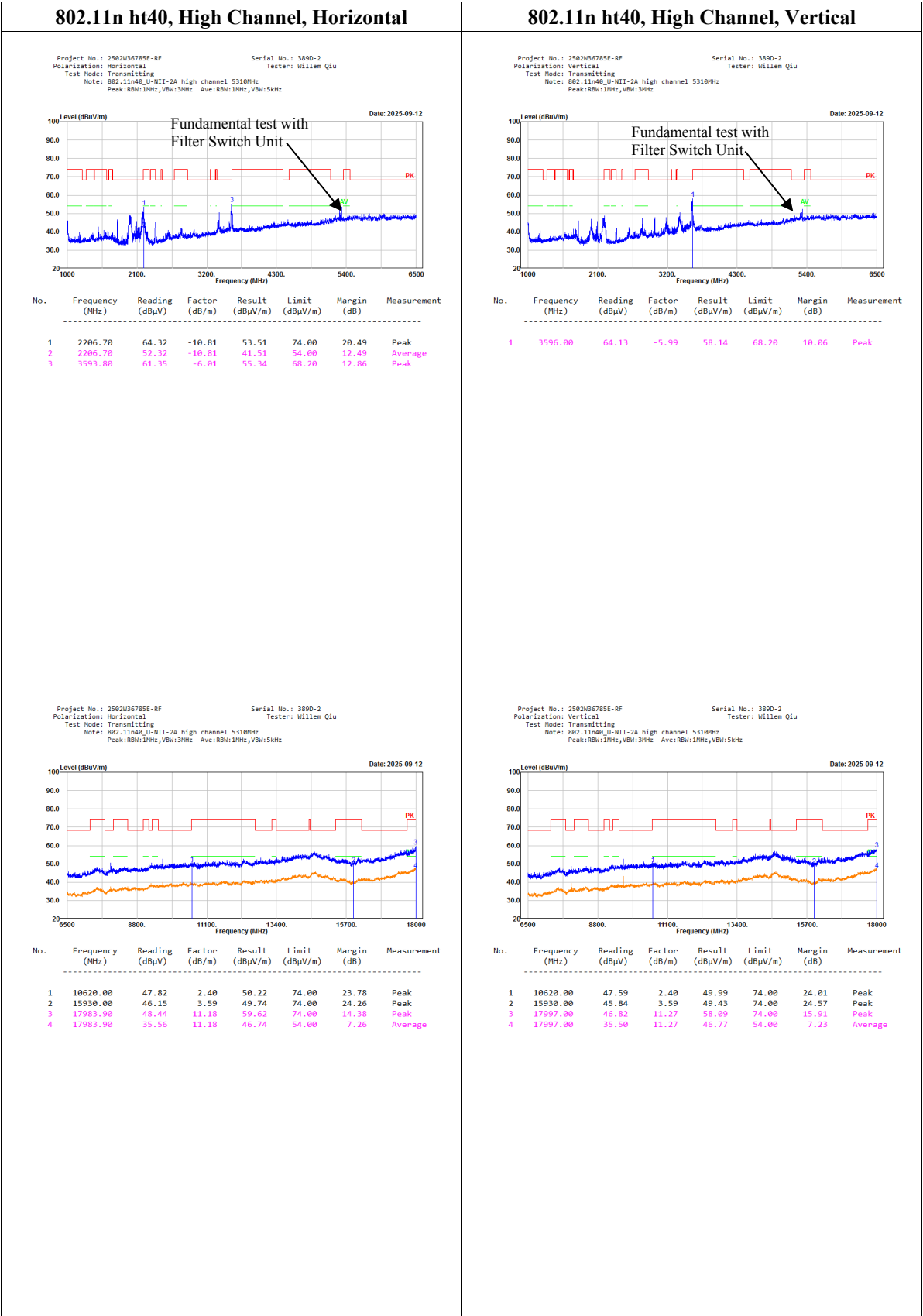
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PK

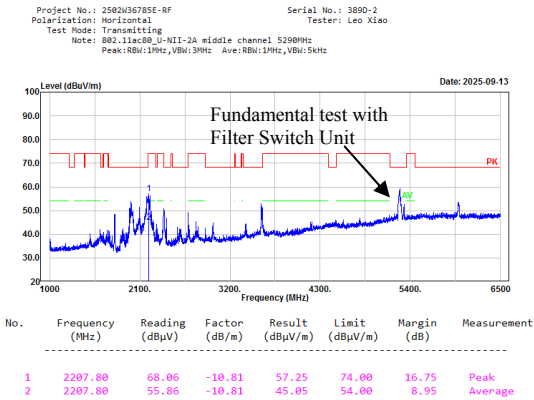
AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	46.54	2.48	49.02	74.00	24.98	Peak
2	15960.00	45.87	3.54	49.41	74.00	24.59	Peak
3	17979.10	47.58	11.07	58.65	74.00	15.35	Peak
4	17979.10	36.48	11.07	47.55	54.00	6.45	Average

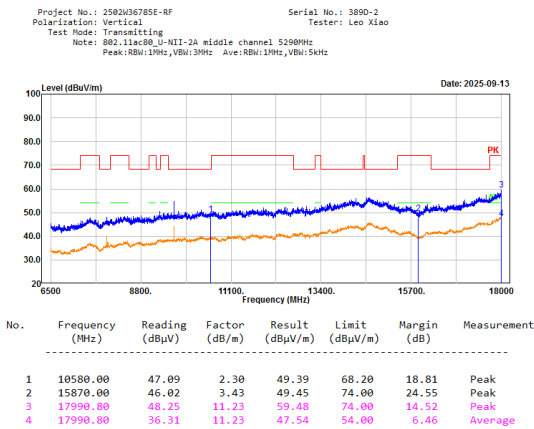
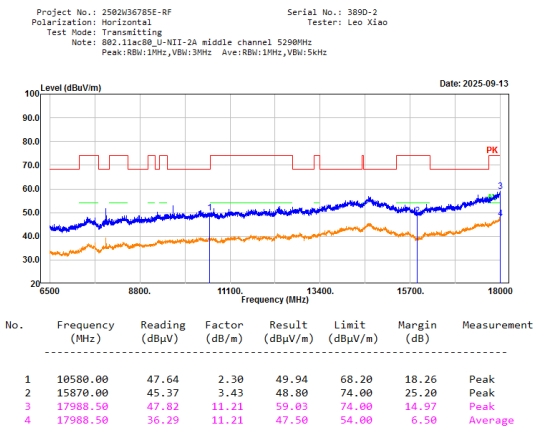
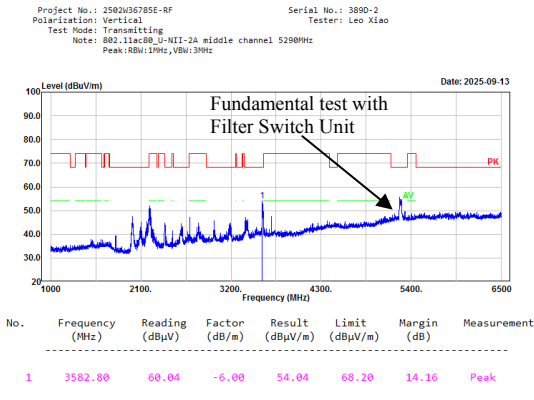


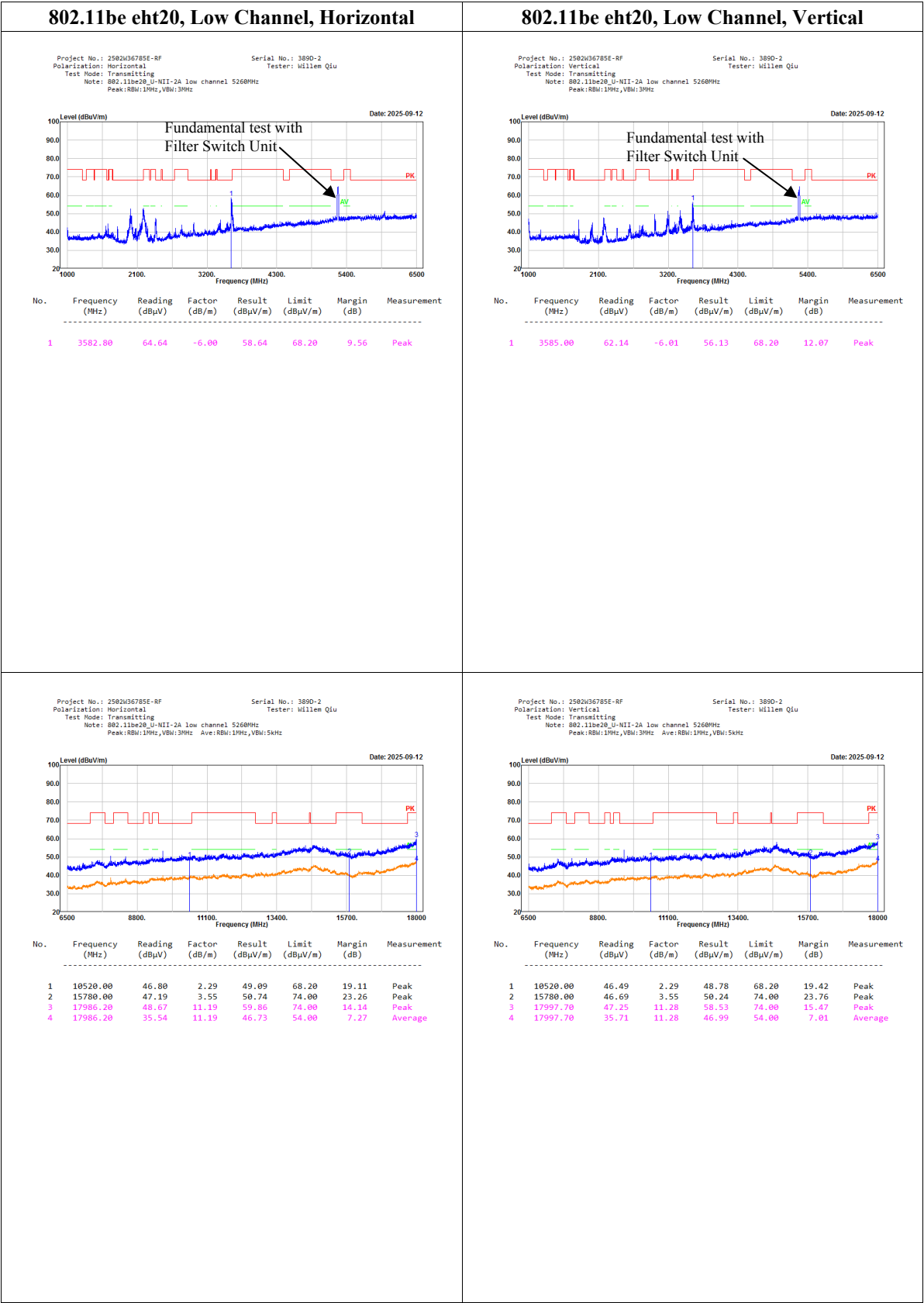


802.11ac vht80, Middle Channel, Horizontal



802.11ac vht80, Middle Channel, Vertical





802.11be eht20, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A middle channel 5280MHz

Peak: RBW:1MHz, VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

1000 2100 3200 4300 5400 6500

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3597.10	61.92	-5.98	55.94	68.20	12.26	Peak

802.11be eht20, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A middle channel 5280MHz

Peak: RBW:1MHz, VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

1000 2100 3200 4300 5400 6500

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3594.90	59.83	-5.99	53.84	68.20	14.36	Peak

802.11be eht20, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A middle channel 5280MHz

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

Level (dBuV/m)

Frequency (MHz)

6500 8800 11100 13400 15700 18000

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10560.00	46.67	2.29	48.96	68.20	19.24	Peak
2	15840.00	47.19	3.44	50.63	74.00	23.37	Peak
3	17995.40	47.97	11.26	59.23	74.00	14.77	Peak
4	17995.40	35.46	11.26	46.72	54.00	7.28	Average

802.11be eht20, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A middle channel 5280MHz

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

Level (dBuV/m)

Frequency (MHz)

6500 8800 11100 13400 15700 18000

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10560.00	46.72	2.29	49.01	68.20	19.19	Peak
2	15840.00	46.46	3.44	49.90	74.00	24.10	Peak
3	17940.20	47.67	10.87	58.54	74.00	15.46	Peak
4	17940.20	35.84	10.87	46.71	54.00	7.29	Average

802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A high channel 5320MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

2007.60

3597.10

2

Fundamental test with Filter Switch Unit

PK

IV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2007.60	63.47	-11.27	52.20	68.20	16.00	Peak
2	3597.10	63.54	-5.98	57.56	68.20	10.64	Peak

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A high channel 5320MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

3592.70

2

Fundamental test with Filter Switch Unit

PK

IV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3592.70	63.49	-6.02	57.47	68.20	10.73	Peak

802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A high channel 5320MHz

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

Level (dBuV/m)

Frequency (MHz)

10640.00

17988.50

3

PK

IV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	47.13	2.48	49.61	74.00	24.39	Peak
2	15960.00	46.62	3.54	50.16	74.00	23.84	Peak
3	17988.50	47.26	11.21	58.47	74.00	15.53	Peak
4	17988.50	35.54	11.21	46.75	54.00	7.25	Average

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be20_U-NII-2A high channel 5320MHz

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

Level (dBuV/m)

Frequency (MHz)

10640.00

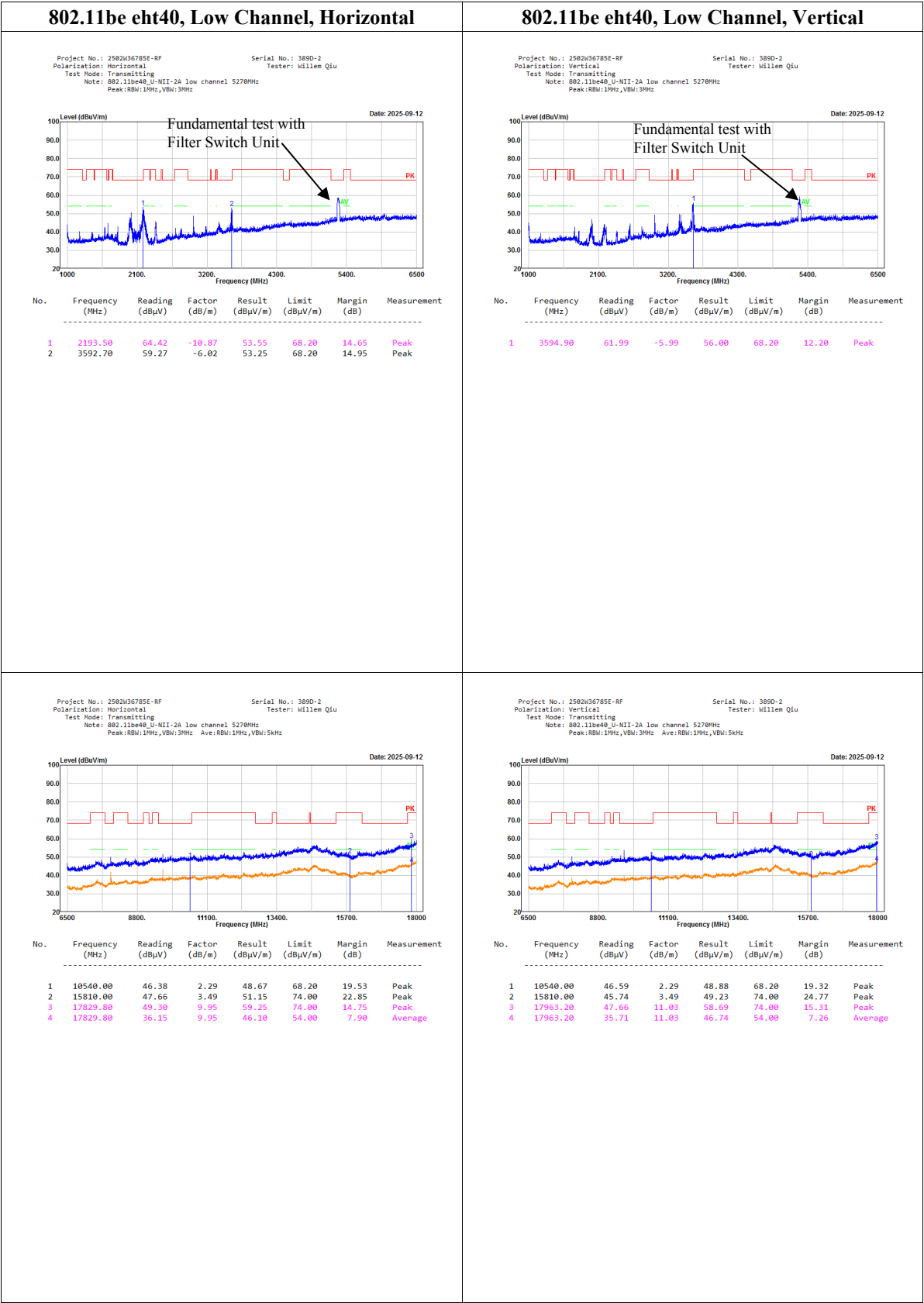
17997.00

3

PK

IV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	47.07	2.48	49.55	74.00	24.45	Peak
2	15960.00	46.55	3.54	50.09	74.00	23.91	Peak
3	17997.00	47.84	11.27	59.11	74.00	14.89	Peak
4	17997.00	35.49	11.27	46.76	54.00	7.24	Average



802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be40_U-NII-2A high channel 5318MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2190.20	66.05	-10.84	55.21	68.20	12.99	Peak
2	3591.60	60.08	-6.03	54.05	68.20	14.15	Peak

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be40_U-NII-2A high channel 5318MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	1004.40	57.53	-8.82	48.71	74.00	25.29	Peak

802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be40_U-NII-2A high channel 5318MHz

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

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10620.00	47.69	2.40	50.09	74.00	23.91	Peak
2	15930.00	46.57	3.59	50.16	74.00	23.84	Peak
3	17995.40	47.24	11.26	58.50	74.00	15.50	Peak
4	17995.40	35.51	11.26	46.77	54.00	7.23	Average

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11be40_U-NII-2A high channel 5318MHz

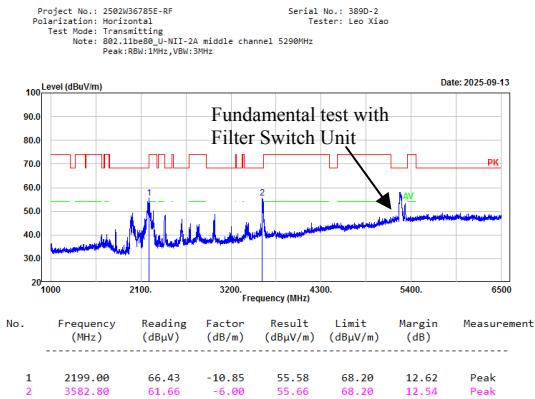
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

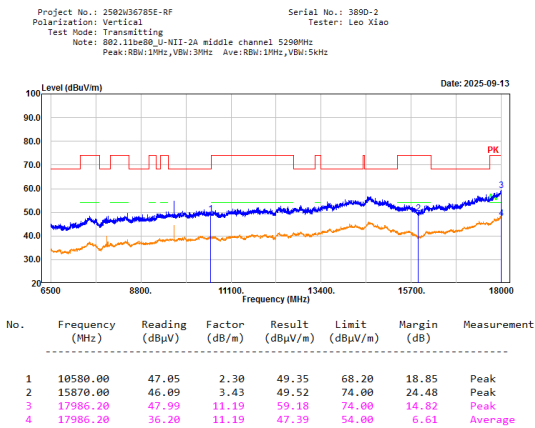
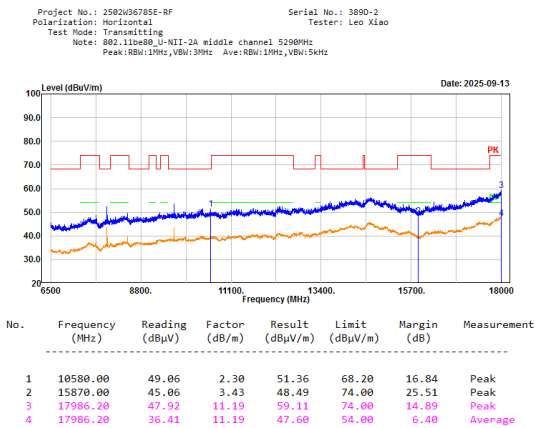
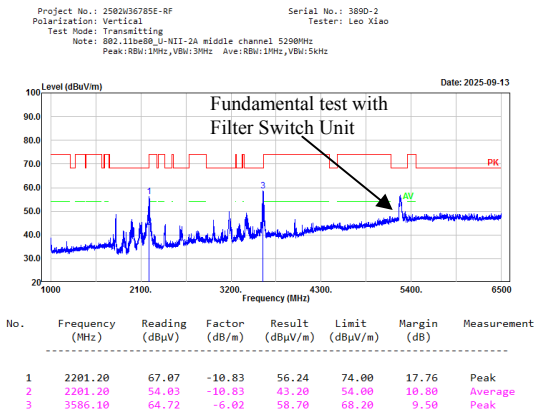
Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10620.00	46.48	2.40	48.88	74.00	25.12	Peak
2	15930.00	46.14	3.59	49.73	74.00	24.27	Peak
3	17988.50	46.94	11.21	58.15	74.00	15.85	Peak
4	17988.50	35.51	11.21	46.72	54.00	7.28	Average

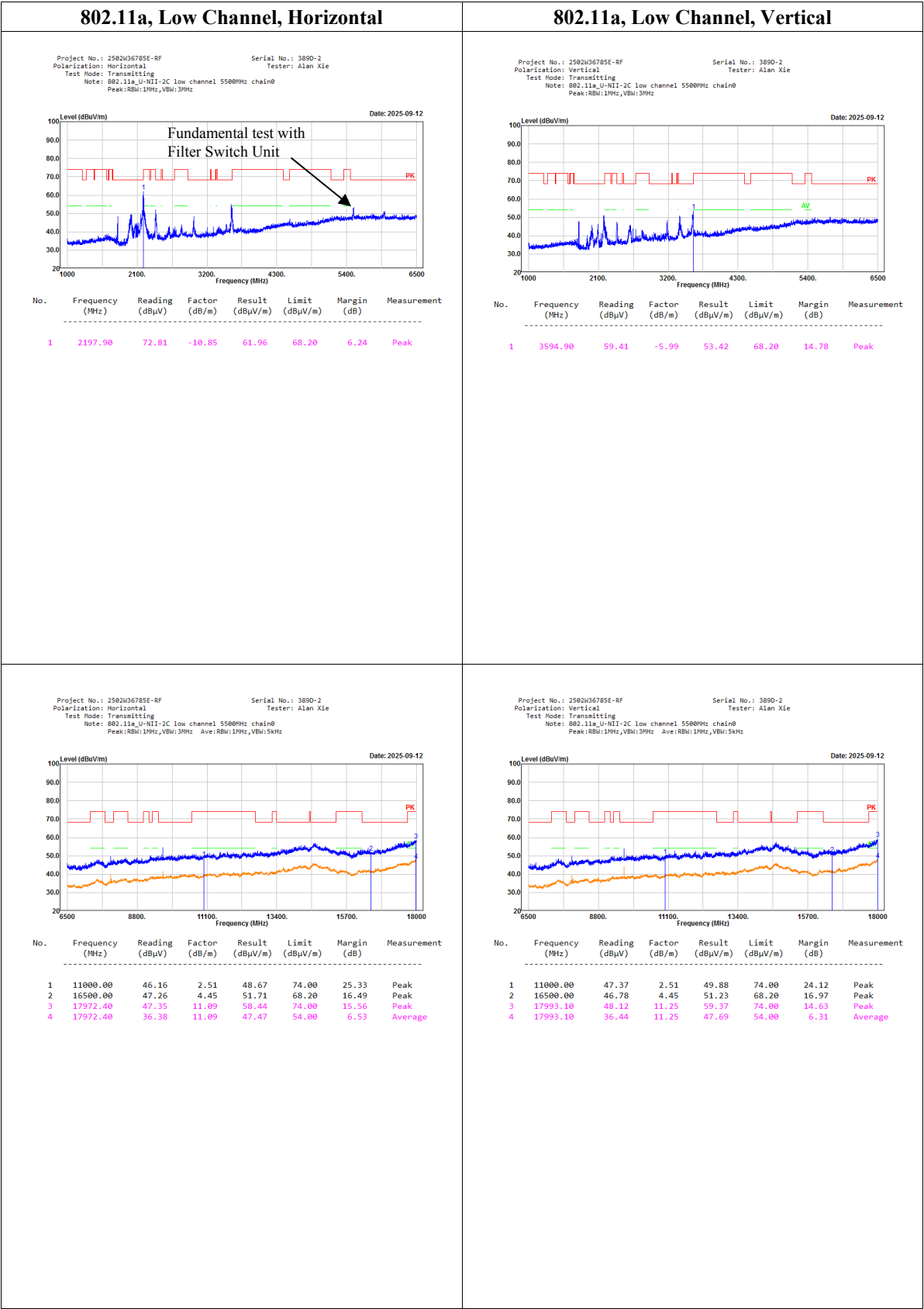
802.11be eht80, Middle Channel, Horizontal



802.11be eht80, Middle Channel, Vertical



5470-5725MHz:
Chain 0:



802.11a, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11a_U-NII-2C middle channel 5580MHz chain0

Peak: RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2202.30	68.00	-10.83	57.17	74.00	16.83	Peak
2	2202.30	57.78	-10.83	46.95	54.00	7.05	Average

802.11a, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11a_U-NII-2C middle channel 5580MHz chain0

Peak: RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2207.80	65.74	-10.81	54.93	74.00	19.07	Peak
2	2207.80	56.04	-10.81	45.23	54.00	8.77	Average
3	3593.80	64.82	-6.01	58.81	68.20	9.39	Peak

802.11a, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11a_U-NII-2C middle channel 5580MHz chain0

Peak: RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11160.00	46.88	2.84	49.72	74.00	24.28	Peak
2	16740.00	47.75	5.18	52.93	68.20	15.27	Peak
3	17956.30	48.18	10.99	59.17	74.00	14.83	Peak
4	17956.30	36.34	10.99	47.33	54.00	6.67	Average

802.11a, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11a_U-NII-2C middle channel 5580MHz chain0

Peak: RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

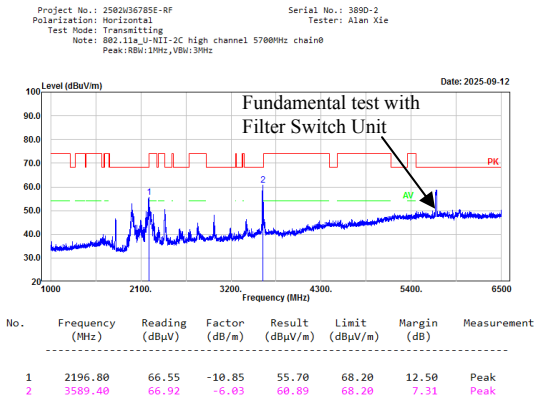
Level (dBuV/m)

Frequency (MHz)

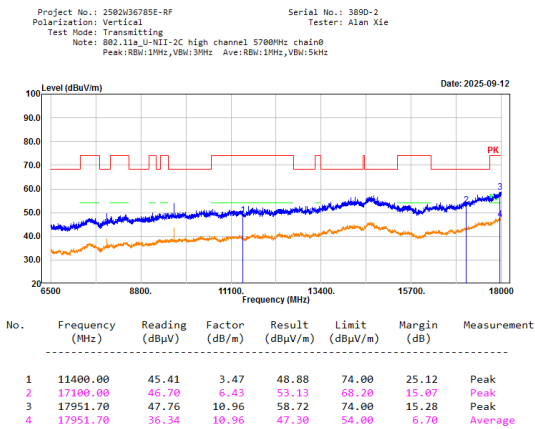
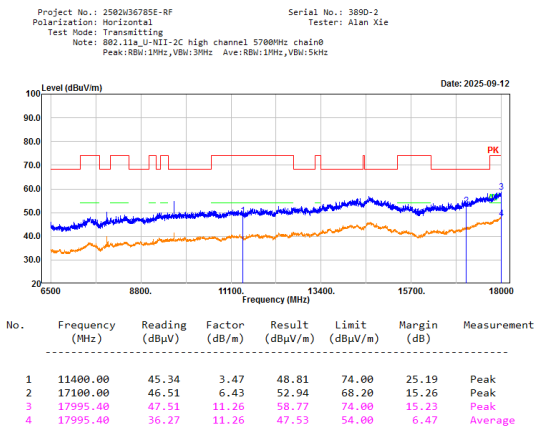
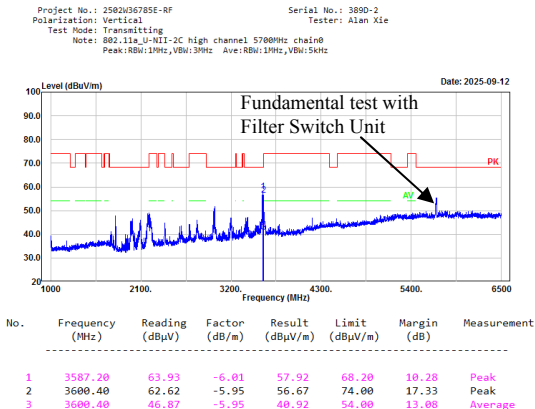
2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11160.00	46.39	2.84	49.23	74.00	24.77	Peak
2	16740.00	47.20	5.18	52.38	68.20	15.82	Peak
3	18000.00	48.22	11.29	59.51	74.00	14.49	Peak
4	18000.00	36.39	11.29	47.68	54.00	6.32	Average

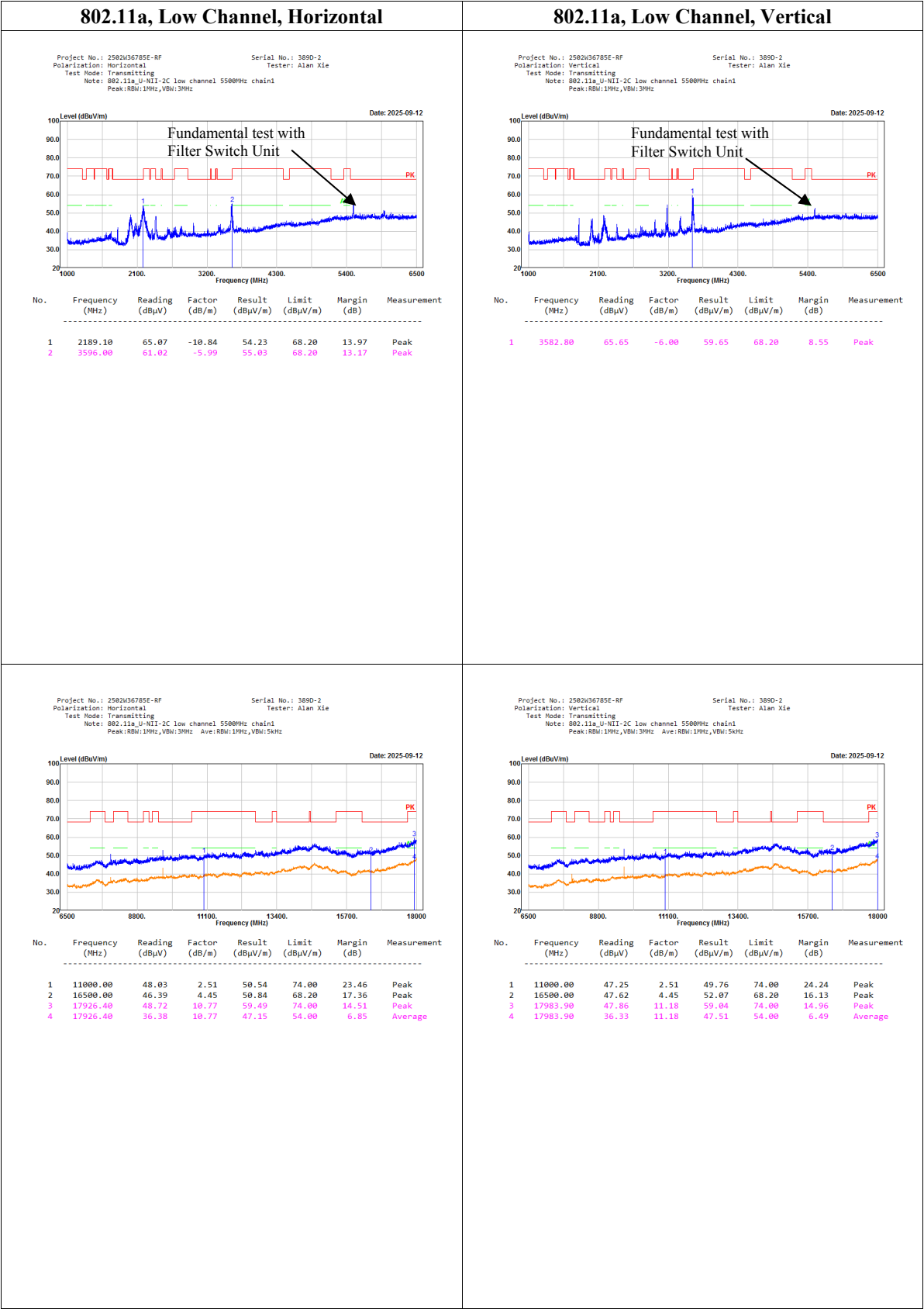
802.11a, High Channel, Horizontal



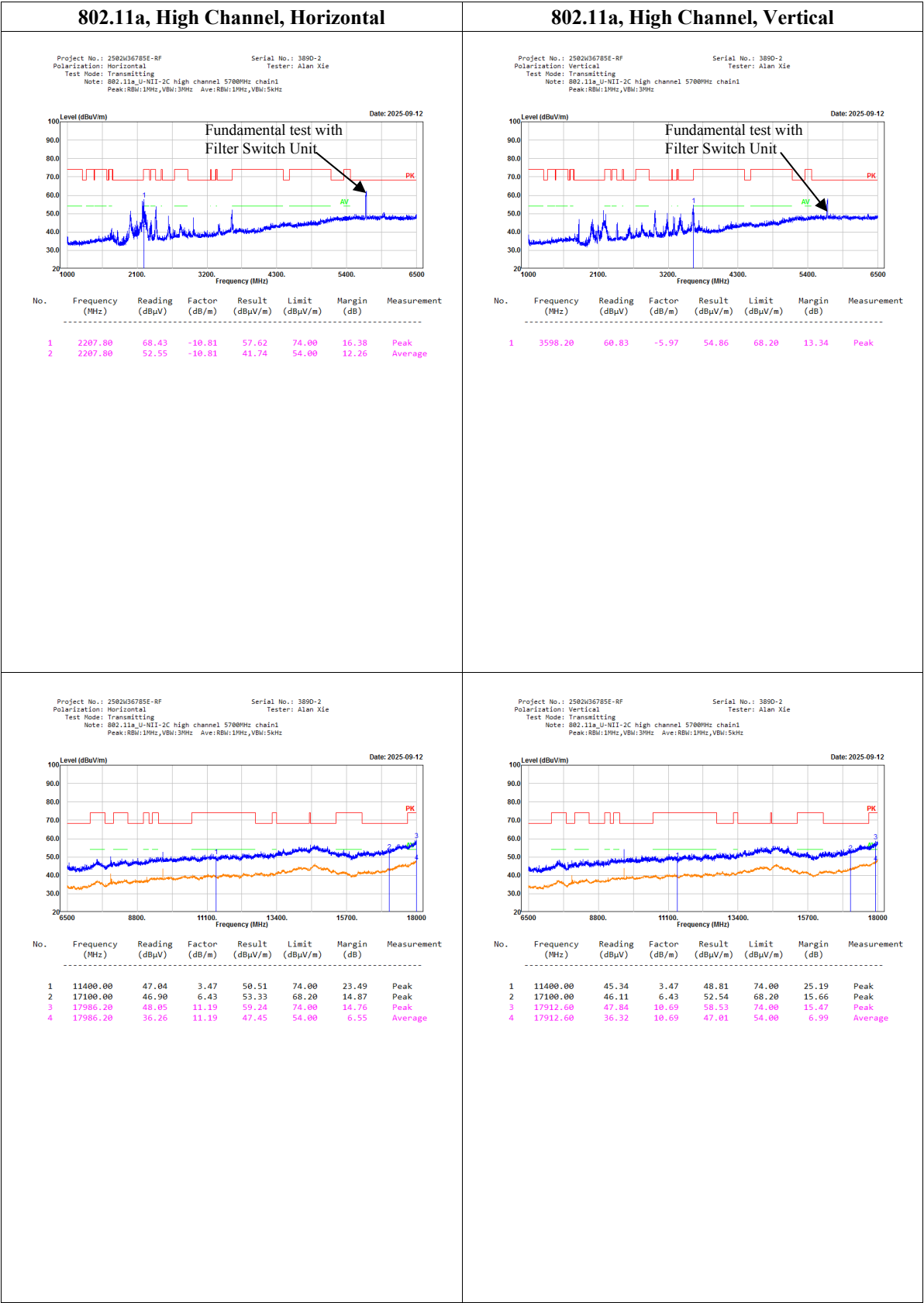
802.11a, High Channel, Vertical



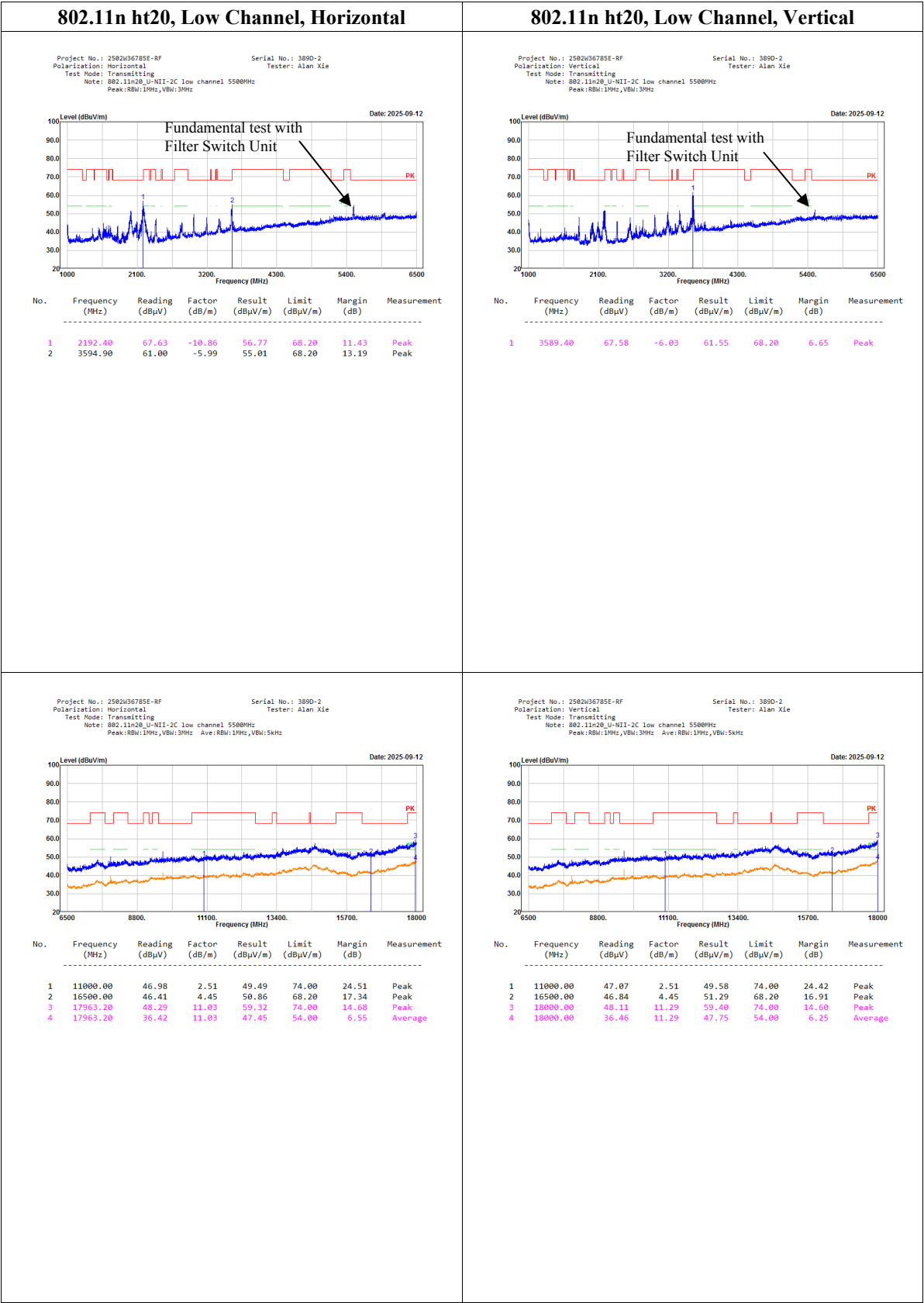
Chain 1:

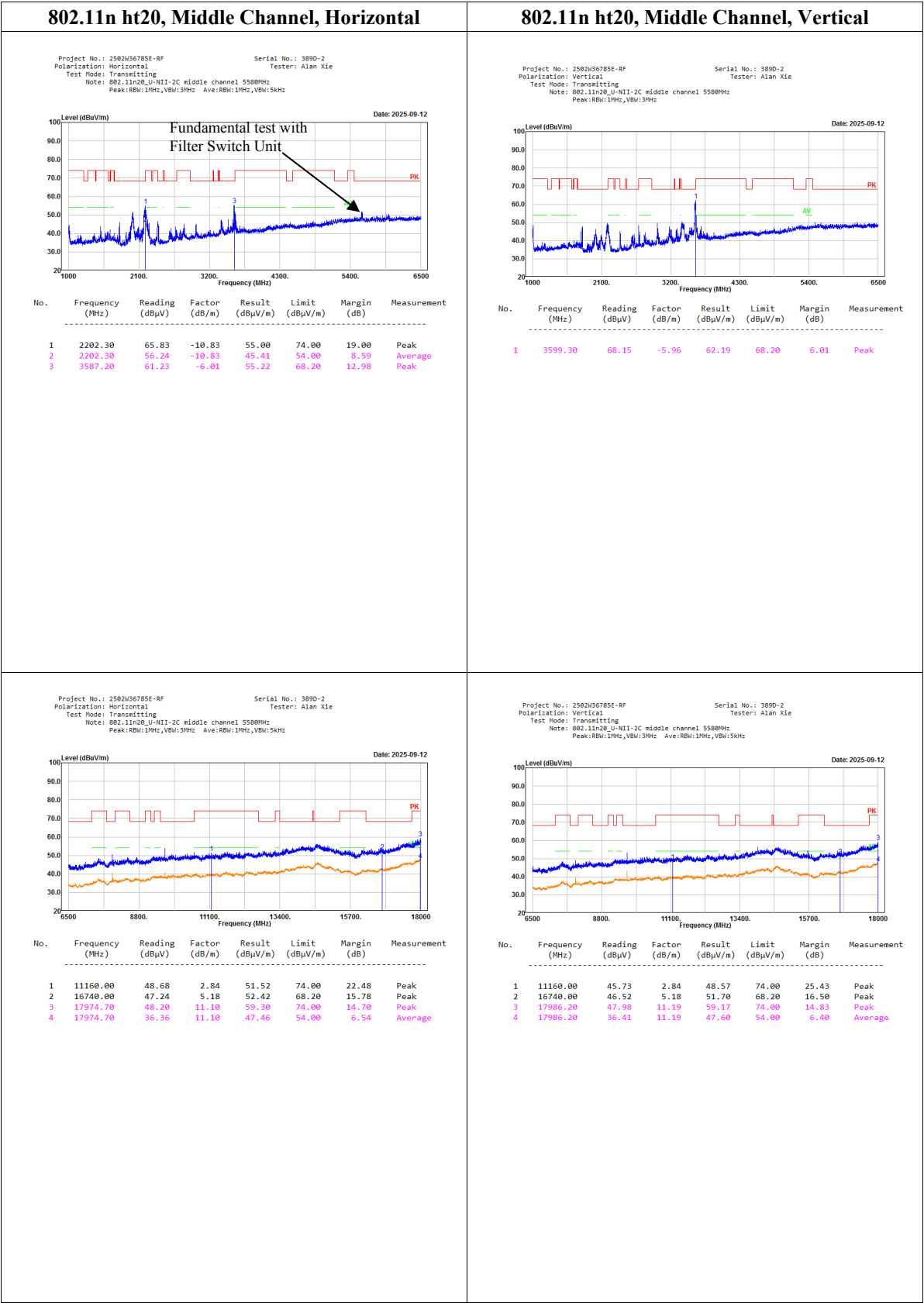


802.11a, Middle Channel, Horizontal Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Horizontal Tester: Alan Xie Test Mode: Transmitting Note: 802.11a_U-NII-2C middle channel 5580MHz chain1 Peak:RBW:1MHz,VBW:30Hz Level (dBuV/m) Frequency (MHz) 2025-09-12 1 2191.30 67.14 -10.84 56.30 68.20 11.90 Peak 2 3596.00 63.88 -5.99 57.89 68.20 10.31 Peak	802.11a, Middle Channel, Vertical Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Vertical Tester: Alan Xie Test Mode: Transmitting Note: 802.11a_U-NII-2C middle channel 5580MHz chain1 Peak:RBW:1MHz,VBW:30Hz Level (dBuV/m) Frequency (MHz) 2025-09-12 1 3599.30 63.82 -5.96 57.86 68.20 10.34 Peak
802.11a, Middle Channel, Horizontal Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Horizontal Tester: Alan Xie Test Mode: Transmitting Note: 802.11a_U-NII-2C middle channel 5580MHz chain1 Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) Frequency (MHz) 2025-09-12 1 11160.00 46.98 2.84 49.82 74.00 24.18 Peak 2 16740.00 46.91 5.18 52.09 68.20 16.11 Peak 3 17995.40 47.44 11.26 58.70 74.00 15.30 Peak 4 17995.40 36.43 11.26 47.69 54.00 6.31 Average	802.11a, Middle Channel, Vertical Project No.: 2502W36785E-RF Serial No.: 3890-2 Polarization: Vertical Tester: Alan Xie Test Mode: Transmitting Note: 802.11a_U-NII-2C middle channel 5580MHz chain1 Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz Level (dBuV/m) Frequency (MHz) 2025-09-12 1 11160.00 47.18 2.84 50.02 74.00 23.98 Peak 2 16740.00 46.86 5.18 52.04 68.20 16.16 Peak 3 17997.70 48.24 11.28 59.52 74.00 14.48 Peak 4 17997.70 36.34 11.28 47.62 54.00 6.38 Average



Chain 0+Chain 1:





802.11n ht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n20 U-NII-2C high channel 5700MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2204.50	72.50	-10.82	61.68	74.00	12.32	Peak
2	2204.50	59.93	-10.82	49.11	54.00	4.89	Average
3	3596.00	61.17	-5.99	55.18	68.20	13.02	Peak

802.11n ht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n20 U-NII-2C high channel 5700MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3582.80	66.56	-6.00	60.56	68.20	7.64	Peak
2	3600.40	64.62	-5.95	58.67	74.00	15.33	Peak
3	3600.40	49.24	-5.95	43.29	54.00	10.71	Average

802.11n ht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n20 U-NII-2C high channel 5700MHz

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	11400.00	45.79	3.47	49.26	74.00	24.74	Peak
2	17100.00	47.06	6.43	53.49	68.20	14.71	Peak
3	17979.30	47.63	11.14	58.77	74.00	15.23	Peak
4	17979.30	36.33	11.14	47.47	54.00	6.53	Average

802.11n ht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

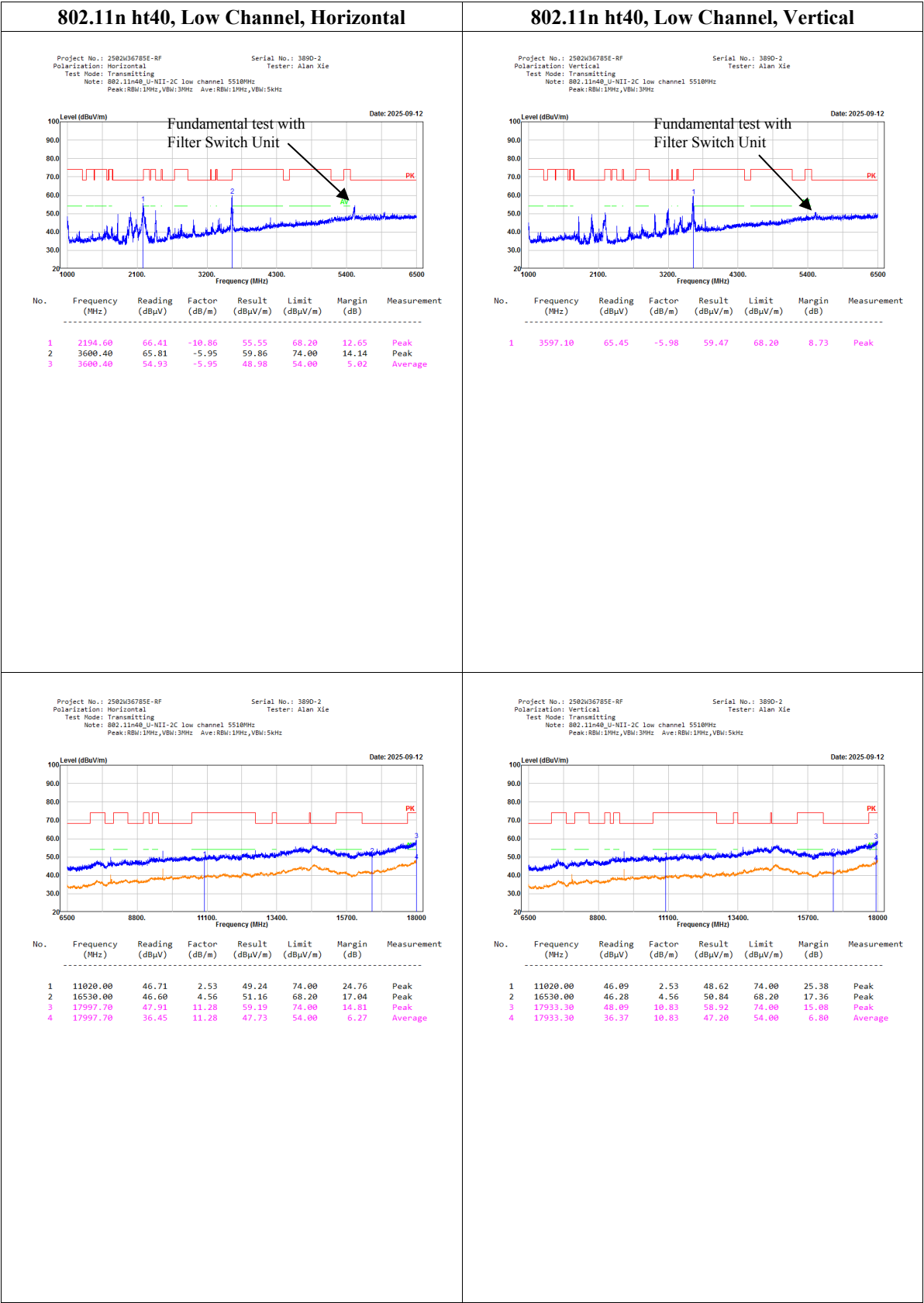
Note: 802.11n20 U-NII-2C high channel 5700MHz

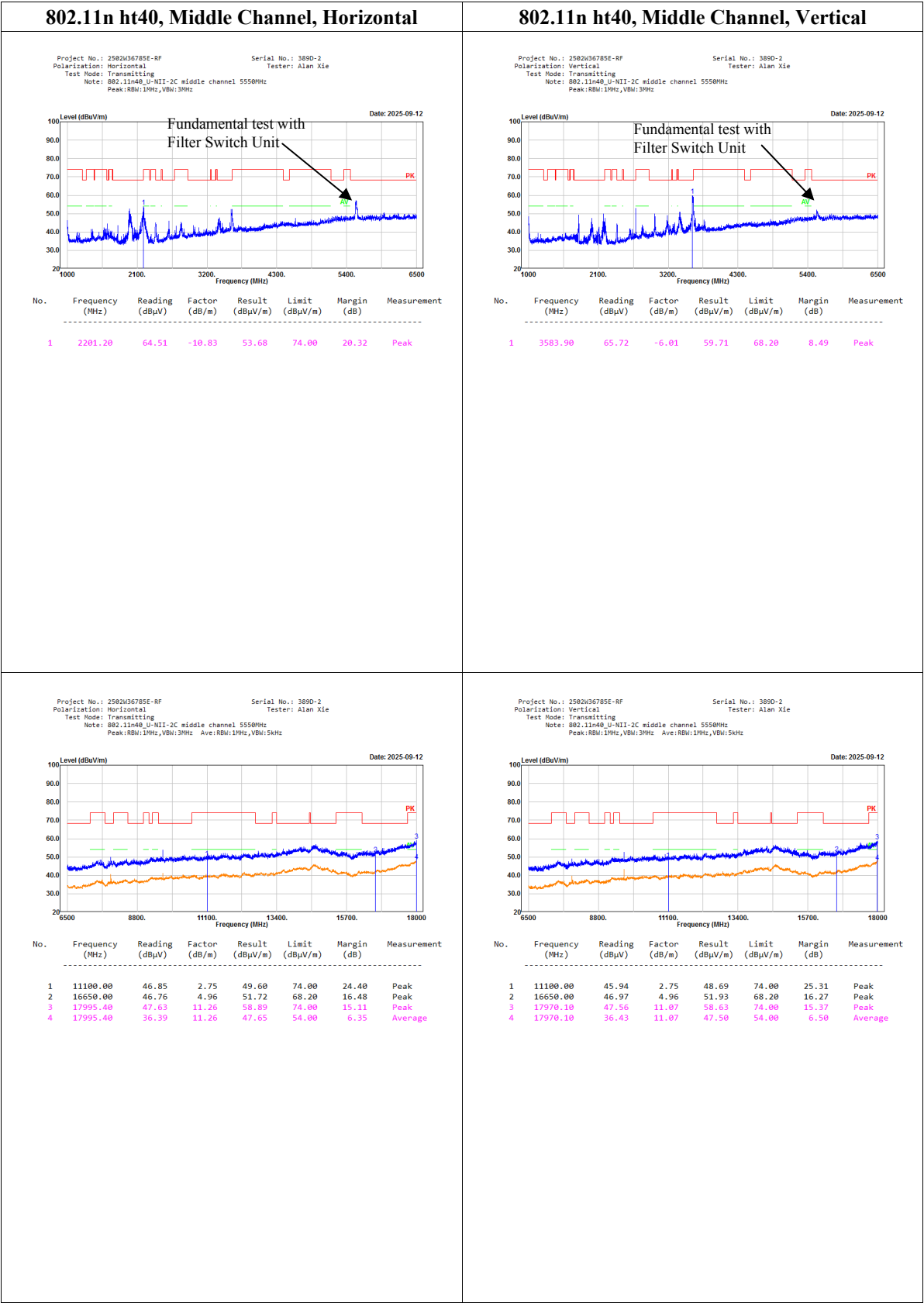
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11400.00	45.22	3.47	48.69	74.00	25.31	Peak
2	17100.00	46.27	6.43	52.70	68.20	15.50	Peak
3	17910.30	48.84	10.67	59.51	74.00	14.49	Peak
4	17910.30	36.42	10.67	47.09	54.00	6.91	Average





802.11n ht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n40 U-NII-2C high channel 5670MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2207.80	72.68	-10.81	61.87	74.00	12.13	Peak
2	2207.80	59.04	-10.81	48.23	54.00	5.77	Average

802.11n ht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n40 U-NII-2C high channel 5670MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3592.70	68.39	-6.02	62.37	68.20	5.83	Peak

802.11n ht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n40 U-NII-2C high channel 5670MHz

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

Level (dBuV/m)

Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11340.00	46.58	3.20	49.78	74.00	24.22	Peak
2	17010.00	47.61	6.12	53.73	68.20	14.47	Peak
3	17983.90	48.31	11.18	59.49	74.00	14.51	Peak
4	17983.90	36.45	11.18	47.63	54.00	6.37	Average

802.11n ht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

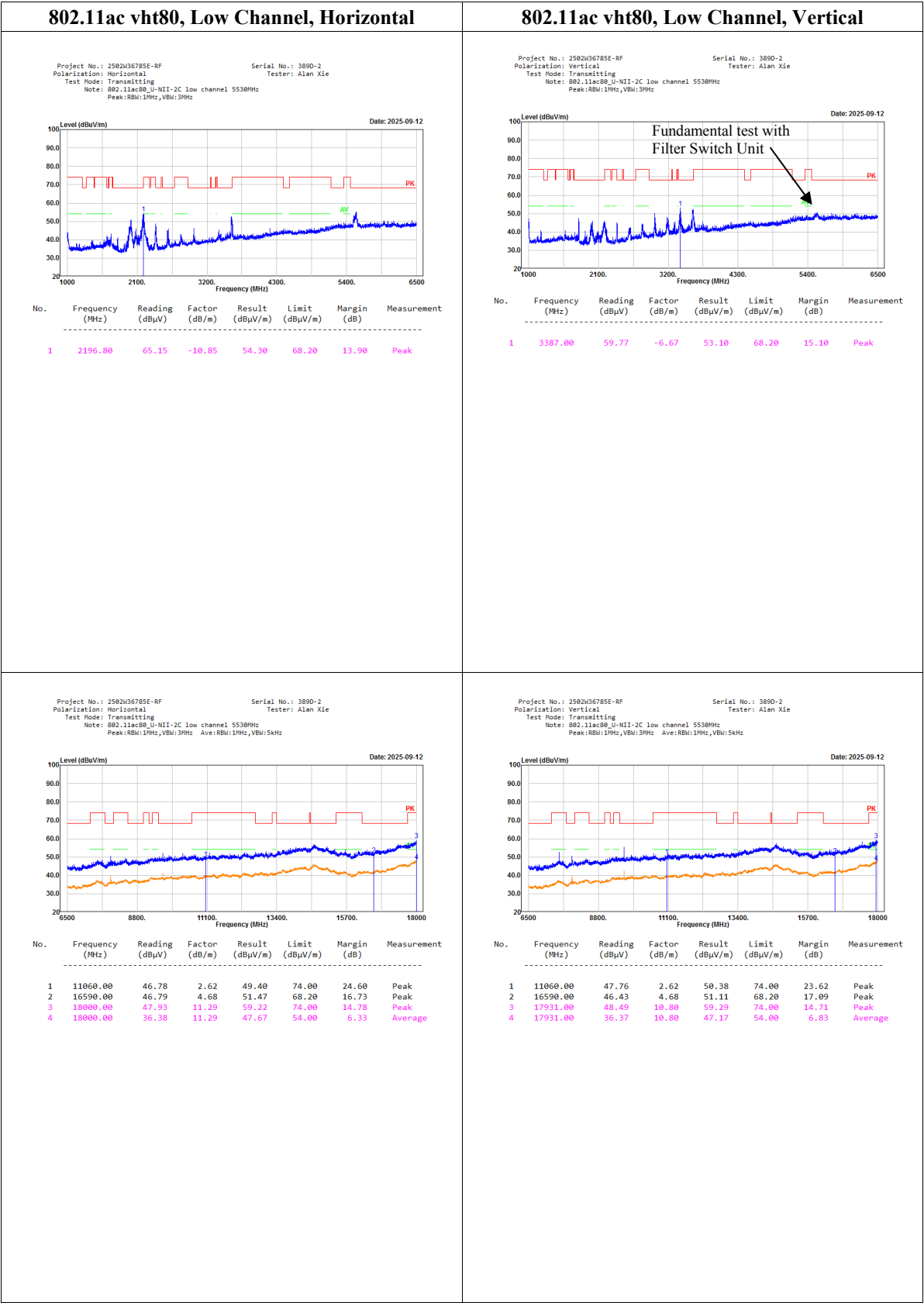
Note: 802.11n40 U-NII-2C high channel 5670MHz

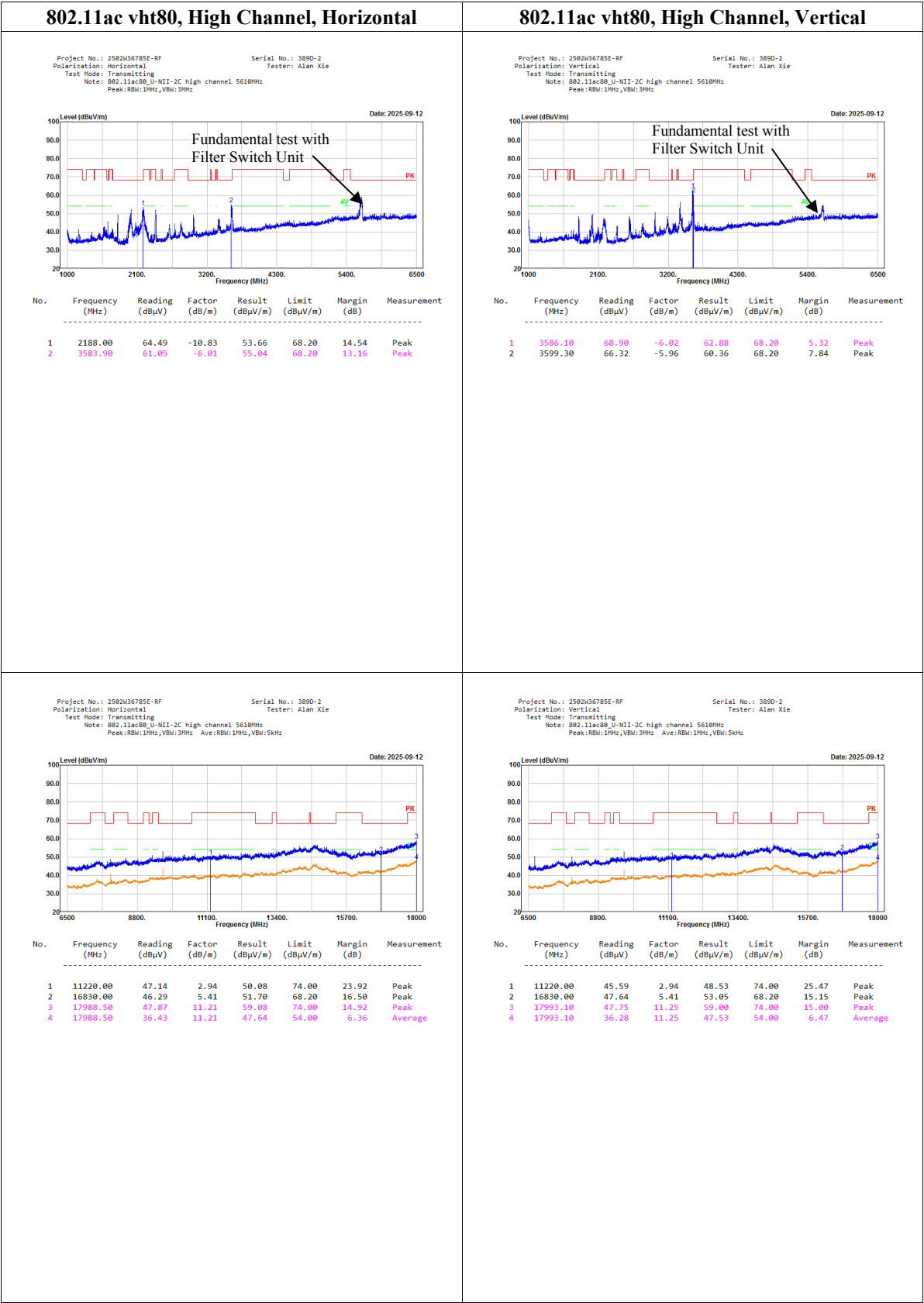
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

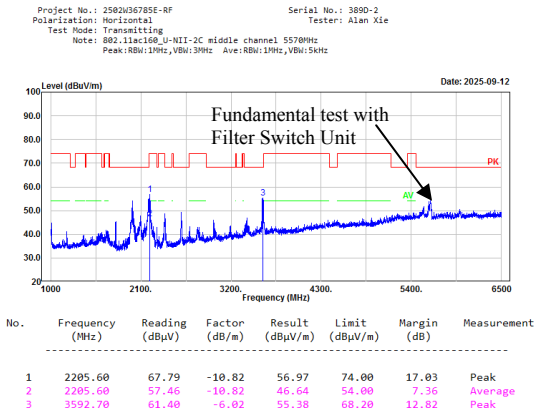
Date: 2025-09-12

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11340.00	46.71	3.20	49.91	74.00	24.09	Peak
2	17010.00	47.13	6.12	53.25	68.20	14.95	Peak
3	17997.70	47.40	11.28	58.68	74.00	15.32	Peak
4	17997.70	36.37	11.28	47.65	54.00	6.35	Average

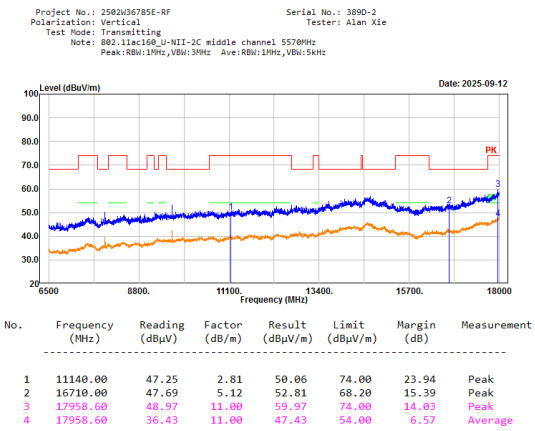
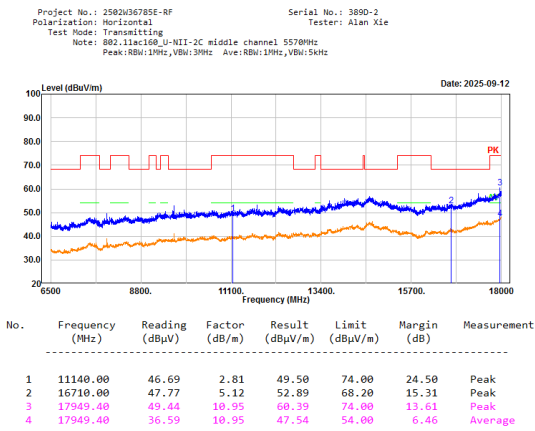
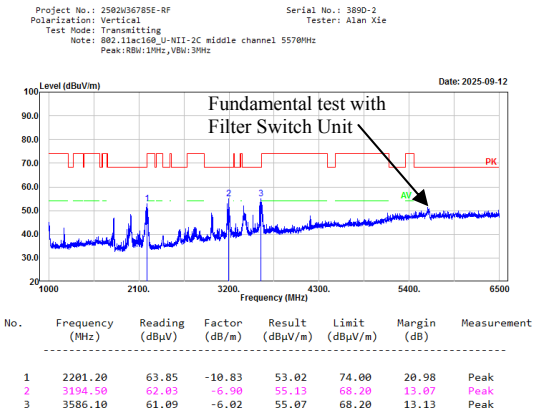




802.11ac vht160, Middle Channel, Horizontal



802.11ac vht160, Middle Channel, Vertical



802.11be eht20, Low Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20_U-NII-2C low channel 5500MHz

Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2204.50	66.61	-10.82	55.79	74.00	18.21	Peak
2	2204.50	53.26	-10.82	42.44	54.00	11.56	Average
3	3593.80	62.66	-6.01	56.65	68.20	11.55	Peak

802.11be eht20, Low Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20_U-NII-2C low channel 5500MHz

Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2216.60	65.53	-10.75	54.78	74.00	19.22	Peak
2	2216.60	52.37	-10.75	41.62	54.00	12.38	Average
3	3583.90	65.02	-6.01	59.01	68.20	9.19	Peak

802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20_U-NII-2C low channel 5500MHz

Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Level (dBuV/m)

Frequency (MHz)

2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11000.00	47.09	2.51	49.60	74.00	24.40	Peak
2	16500.00	47.14	4.45	51.59	68.20	16.61	Peak
3	17997.70	47.69	11.28	58.97	74.00	15.03	Peak
4	17997.70	36.38	11.28	47.66	54.00	6.34	Average

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20_U-NII-2C low channel 5500MHz

Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

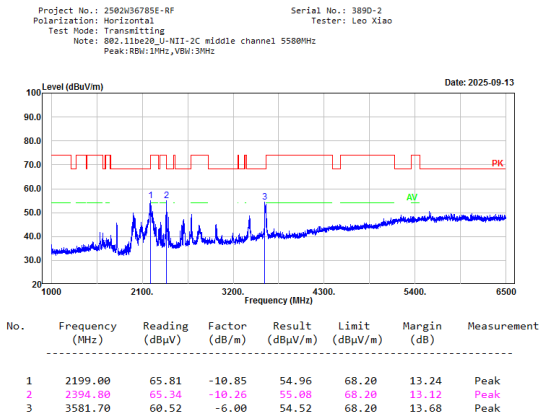
Level (dBuV/m)

Frequency (MHz)

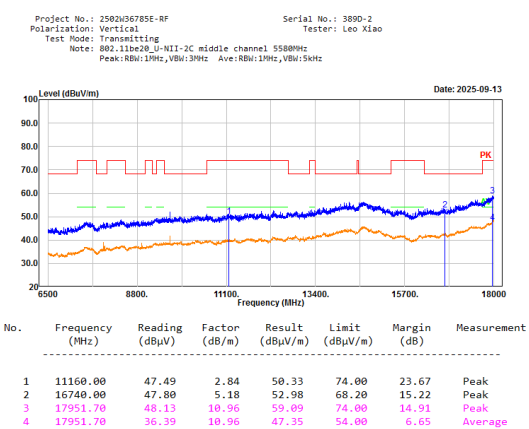
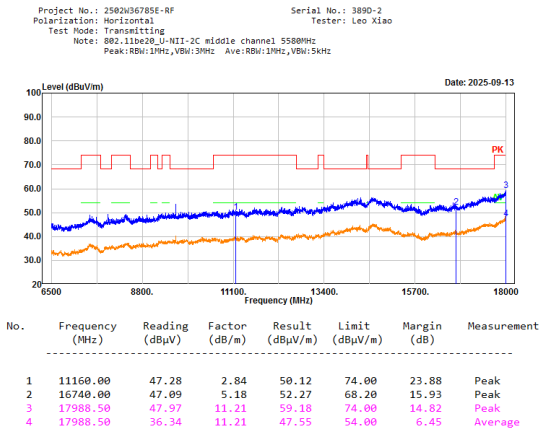
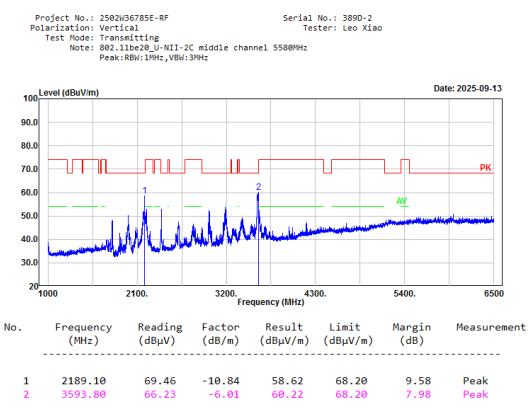
2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11000.00	46.39	2.51	48.90	74.00	25.10	Peak
2	16500.00	46.69	4.45	51.14	68.20	17.06	Peak
3	17995.40	47.79	11.26	59.05	74.00	14.95	Peak
4	17995.40	36.32	11.26	47.58	54.00	6.42	Average

802.11be eht20, Middle Channel, Horizontal



802.11be eht20, Middle Channel, Vertical



802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-2C high channel 5700MHz

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

Level (dBuV/m)

Frequency (MHz)

2025-09-13

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	2200.10	73.89	-10.84	63.05	74.00	10.95	Peak
2	2200.10	58.72	-10.84	47.88	54.00	6.12	Average
3	3585.00	62.65	-6.01	56.64	68.20	11.56	Peak

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-2C high channel 5700MHz

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

Level (dBuV/m)

Frequency (MHz)

2025-09-13

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	3597.10	65.99	-5.98	60.01	68.20	8.19	Peak

802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-2C high channel 5700MHz

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

Level (dBuV/m)

Frequency (MHz)

2025-09-13

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11400.00	46.16	3.47	49.63	74.00	24.37	Peak
2	17100.00	46.79	6.43	53.22	68.20	14.98	Peak
3	17986.20	47.82	11.19	59.01	74.00	14.99	Peak
4	17986.20	36.10	11.19	47.29	54.00	6.71	Average

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be20 U-NII-2C high channel 5700MHz

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

Level (dBuV/m)

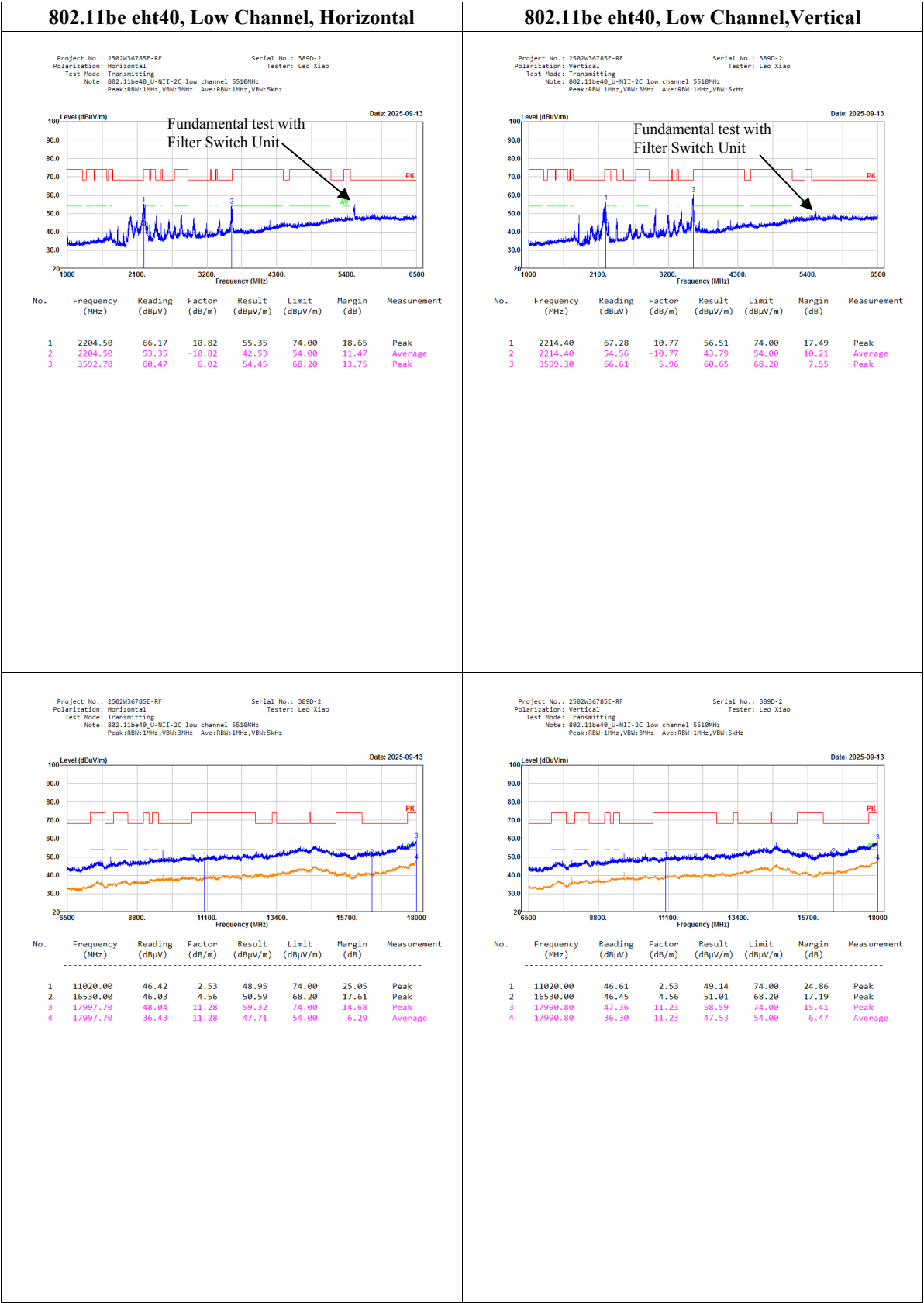
Frequency (MHz)

2025-09-13

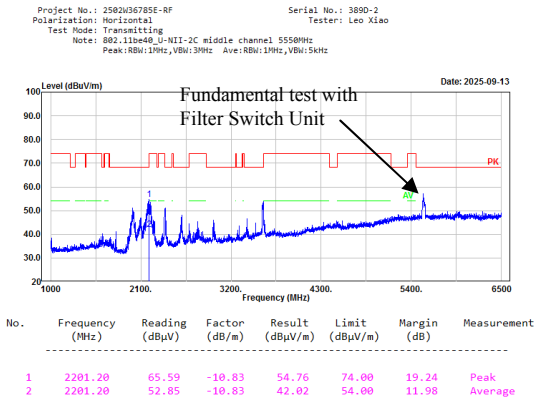
PK

AV

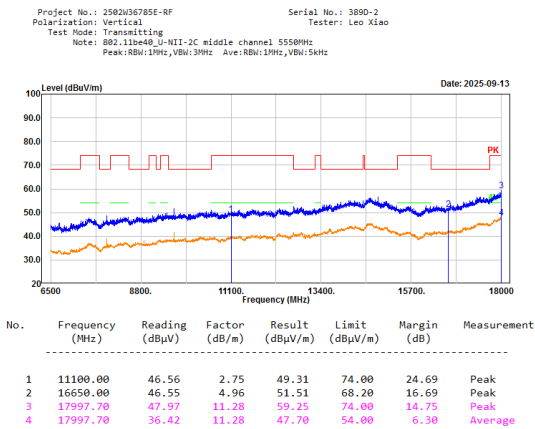
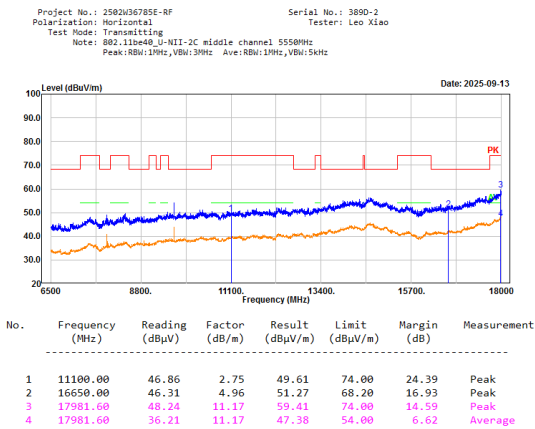
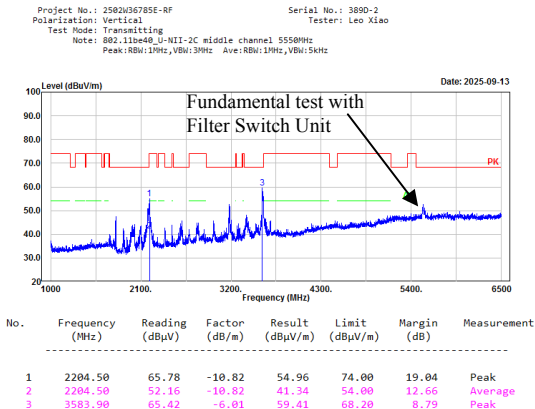
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11400.00	45.12	3.47	48.59	74.00	25.41	Peak
2	17100.00	46.37	6.43	52.80	68.20	15.40	Peak
3	17993.10	47.76	11.25	59.01	74.00	14.99	Peak
4	17993.10	36.34	11.25	47.59	54.00	6.41	Average



802.11be eht40, Middle Channel, Horizontal



802.11be eht40, Middle Channel, Vertical



802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40 U-NII-2C high channel 5678MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2189.10	70.53	-10.84	59.69	68.20	8.51	Peak
2	3600.40	61.75	-5.95	55.80	74.00	18.20	Peak
3	3600.40	48.82	-5.95	42.87	54.00	11.13	Average

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40 U-NII-2C high channel 5678MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3600.40	64.09	-5.95	58.14	74.00	15.86	Peak
2	3600.40	51.75	-5.95	45.80	54.00	8.20	Average

802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Leo Xiao

Test Mode: Transmitting

Note: 802.11be40 U-NII-2C high channel 5678MHz

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

Level (dBuV/m)

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11340.00	46.18	3.20	49.38	74.00	24.62	Peak
2	17010.00	46.55	6.12	52.67	68.20	15.53	Peak
3	17993.10	47.46	11.25	58.71	74.00	15.29	Peak
4	17993.10	36.25	11.25	47.50	54.00	6.50	Average

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Leo Xiao

Test Mode: Transmitting

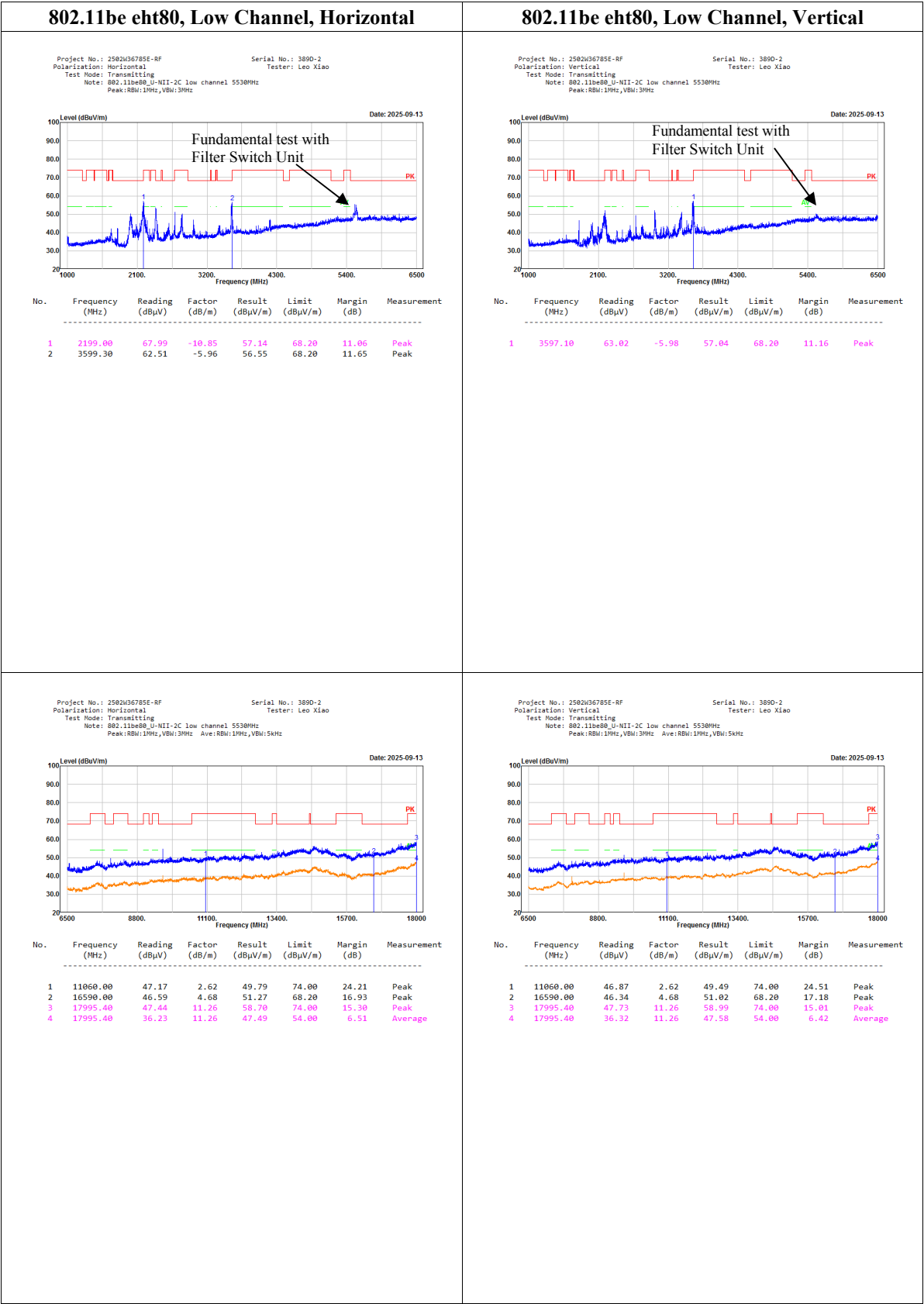
Note: 802.11be40 U-NII-2C high channel 5678MHz

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

Level (dBuV/m)

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11340.00	47.11	3.20	50.31	74.00	23.69	Peak
2	17010.00	47.05	6.12	53.17	68.20	15.03	Peak
3	17967.80	47.80	11.06	58.86	74.00	15.14	Peak
4	17967.80	36.18	11.06	47.24	54.00	6.76	Average



802.11be eht80, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11be80_U-NII-2C high channel 5610MHz

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

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2186.90	65.37	-10.83	54.54	68.20	13.66	Peak
2	2389.30	65.27	-10.22	55.05	74.00	18.95	Peak
3	2389.30	52.15	-10.22	41.93	54.00	12.07	Average
4	3594.90	62.50	-5.99	56.51	68.20	11.69	Peak

802.11be eht80, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11be80_U-NII-2C high channel 5610MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2199.00	68.01	-10.85	57.16	68.20	11.04	Peak
2	3593.80	60.75	-6.01	54.74	68.20	13.46	Peak

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Test Mode: Transmitting

Note: 802.11be80_U-NII-2C high channel 5610MHz

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	11220.00	46.53	2.94	49.47	74.00	24.53	Peak
2	16830.00	46.00	5.41	51.41	68.20	16.79	Peak
3	17914.90	49.11	10.70	59.81	74.00	14.19	Peak
4	17914.90	36.35	10.70	47.05	54.00	6.95	Average

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Test Mode: Transmitting

Note: 802.11be80_U-NII-2C high channel 5610MHz

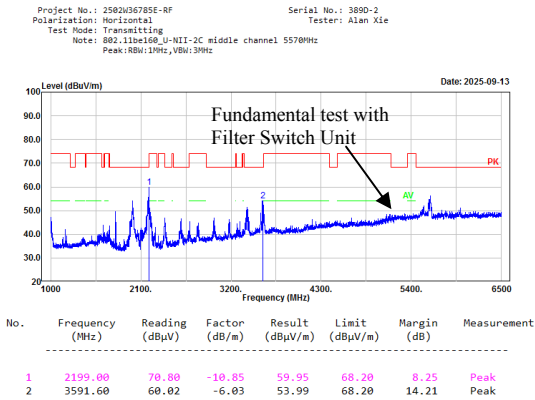
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

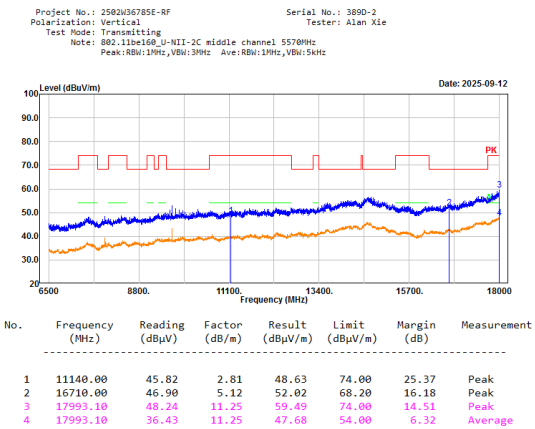
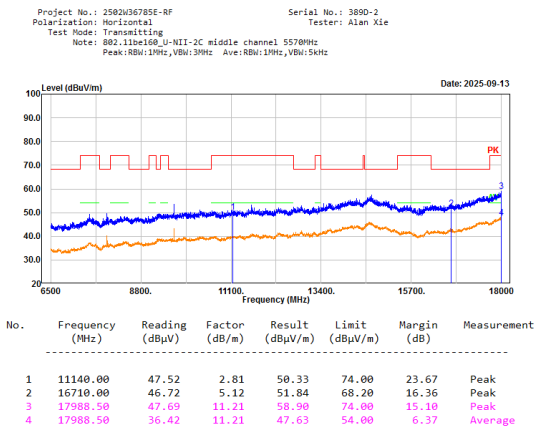
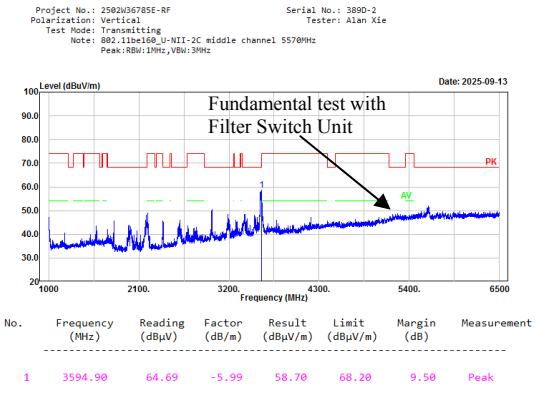
Frequency (MHz)

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11220.00	46.75	2.94	49.69	74.00	24.31	Peak
2	16830.00	46.05	5.41	51.46	68.20	16.74	Peak
3	17993.10	47.81	11.25	59.06	74.00	14.94	Peak
4	17993.10	36.35	11.25	47.60	54.00	6.40	Average

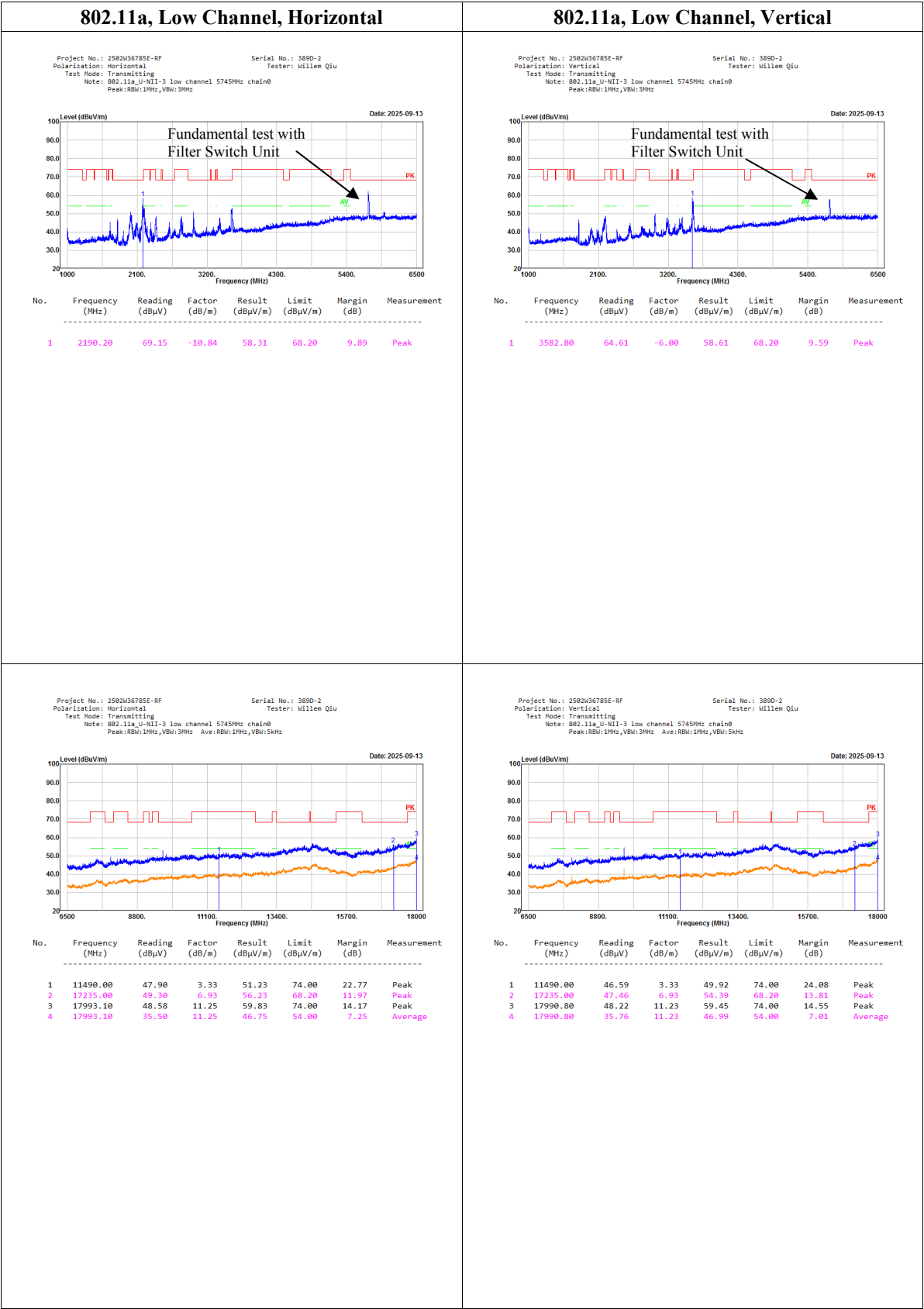
802.11be eht160, Middle Channel, Horizontal



802.11be eht160, Middle Channel, Vertical



5725-5850MHz:
Chain 0



802.11a, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain0

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3597.10	61.02	-5.98	55.04	68.20	13.16	Peak

802.11a, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain0

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3591.60	62.76	-6.03	56.73	68.20	11.47	Peak

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain0

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

Level (dBuV/m)

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	48.59	3.31	51.90	74.00	22.10	Peak
2	17355.00	47.68	7.10	54.78	68.20	13.42	Peak
3	17818.30	48.52	9.86	58.38	74.00	15.62	Peak
4	17818.30	36.47	9.86	46.33	54.00	7.67	Average

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

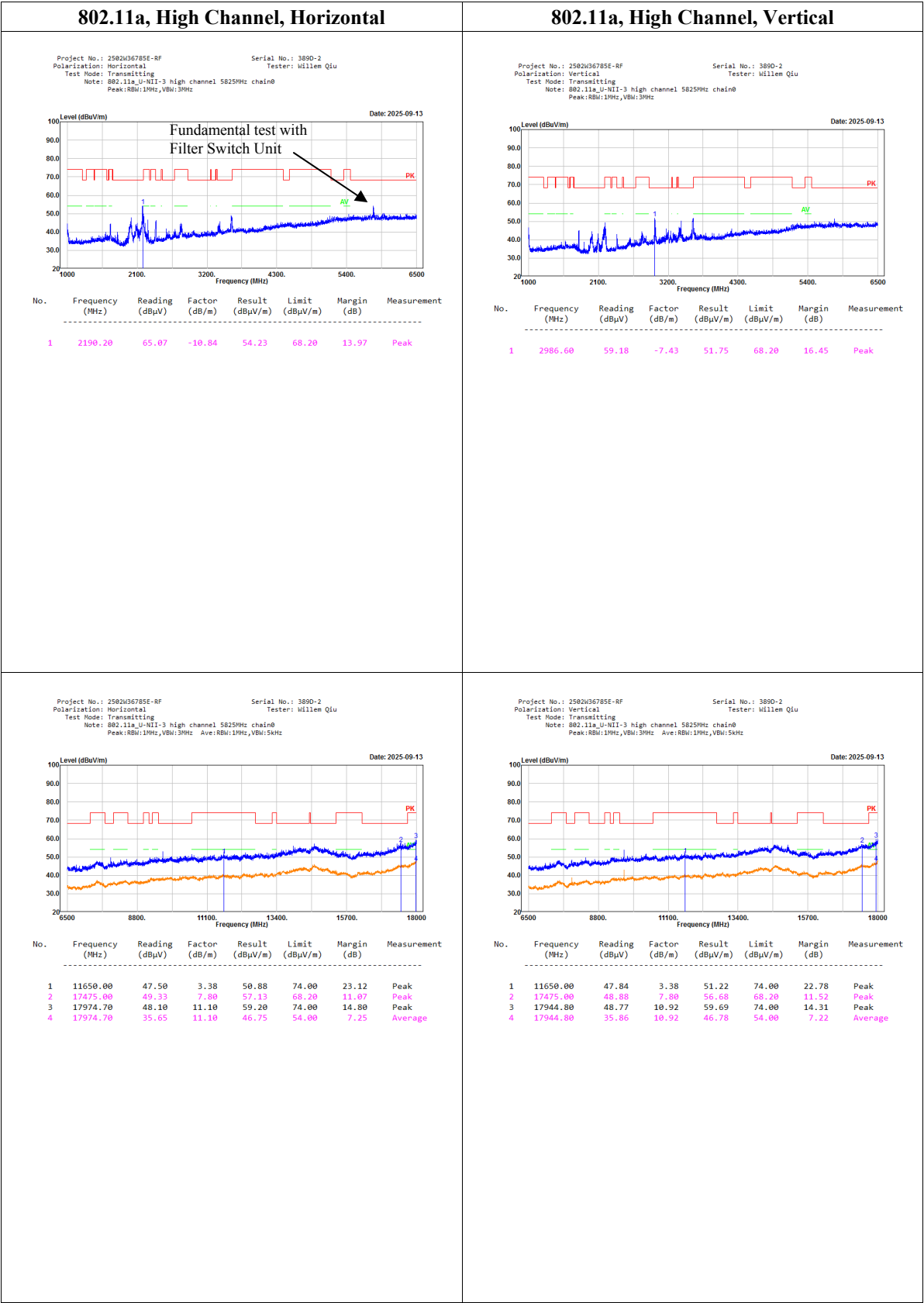
Note: 802.11a_U-NII-3 middle channel 5785MHz chain0

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

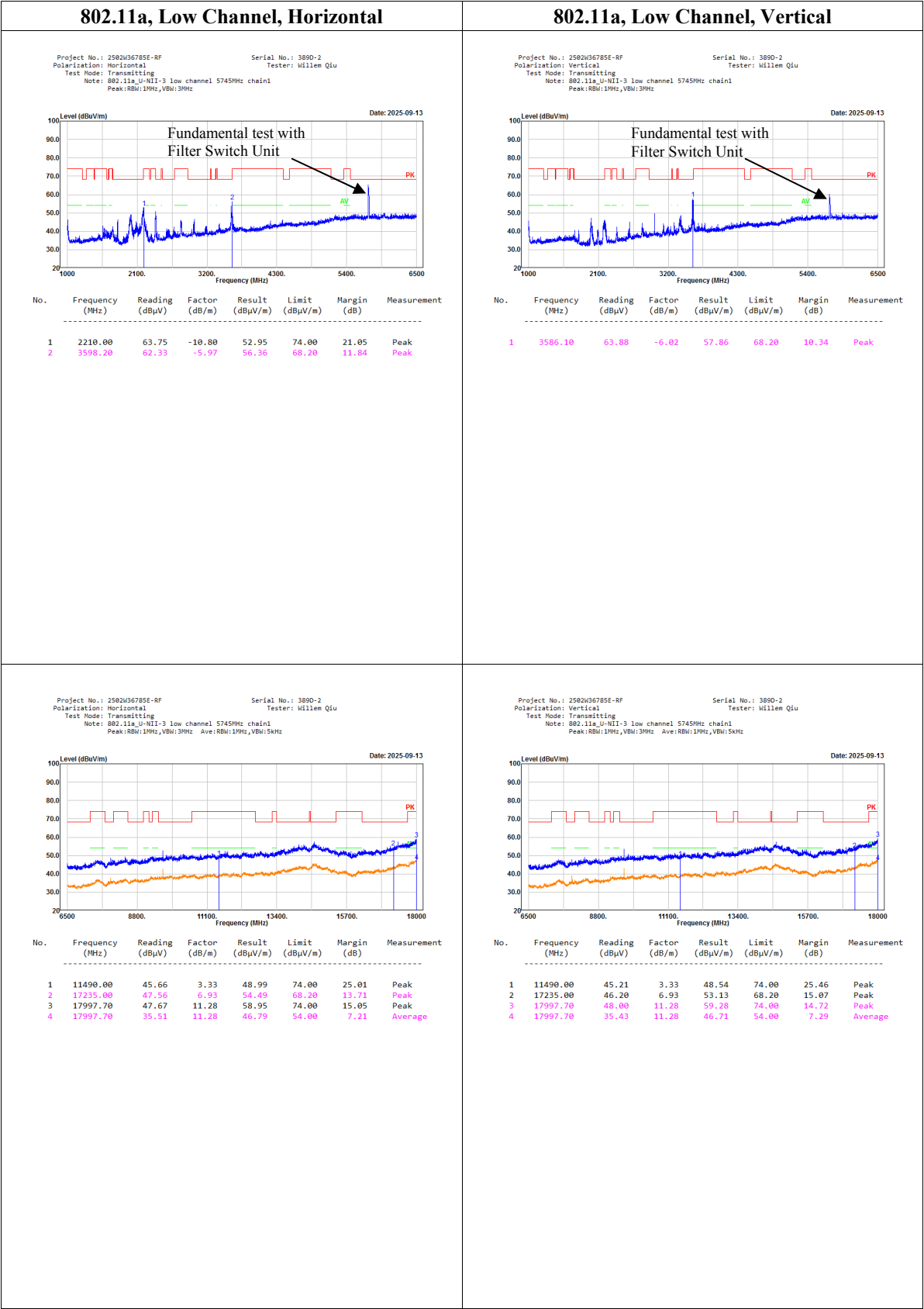
Level (dBuV/m)

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	46.90	3.31	50.21	74.00	23.79	Peak
2	17355.00	48.00	7.10	55.10	68.20	13.10	Peak
3	17981.60	47.48	11.17	58.65	74.00	15.35	Peak
4	17981.60	35.84	11.17	47.01	54.00	6.99	Average



Chain 1



802.11a, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain1

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2197.90	65.26	-10.85	54.41	68.20	13.79	Peak
2	3585.00	60.95	-6.01	54.94	68.20	13.26	Peak

802.11a, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain1

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3599.30	63.82	-5.96	57.86	68.20	10.34	Peak

802.11a, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain1

Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

Date: 2025-09-13

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	46.78	3.31	50.09	74.00	23.91	Peak
2	17355.00	47.21	7.10	54.31	68.20	13.89	Peak
3	17988.50	47.44	11.21	58.65	74.00	15.35	Peak
4	17988.50	35.51	11.21	46.72	54.00	7.28	Average

802.11a, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11a_U-NII-3 middle channel 5785MHz chain1

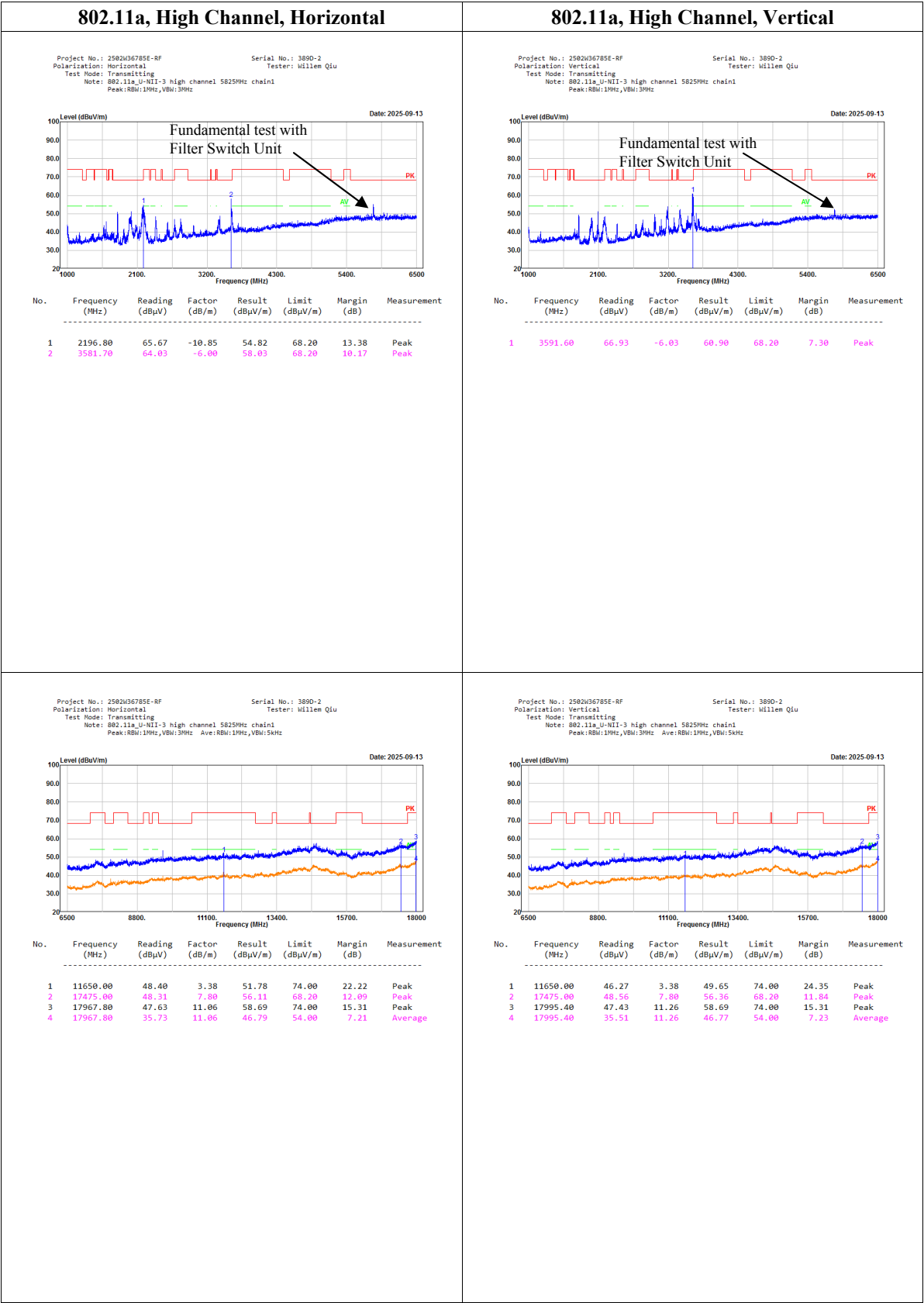
Peak:RBW:1MHz,VBW:3MHz

Ave:RBW:1MHz,VBW:5kHz

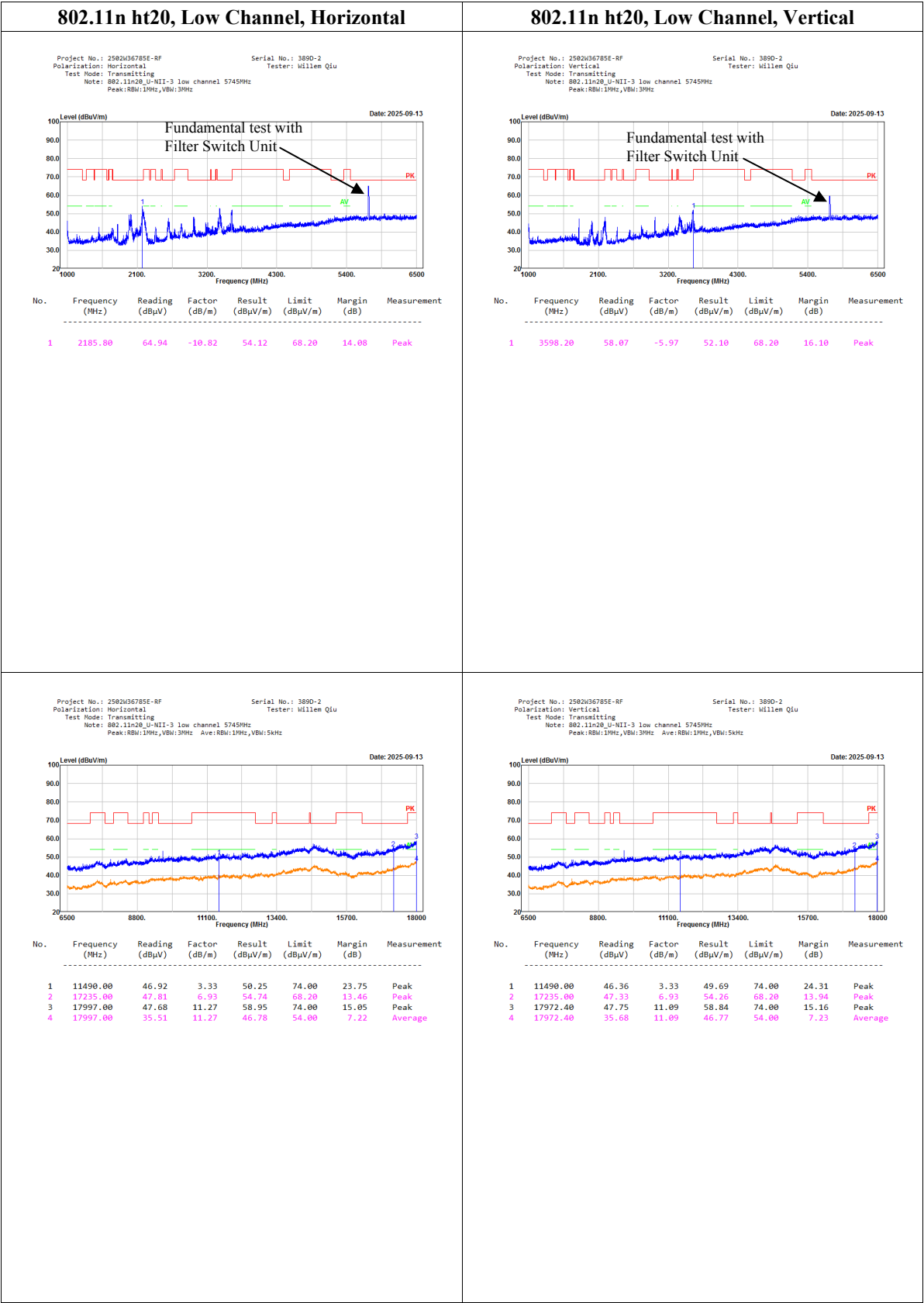
Level (dBuV/m)

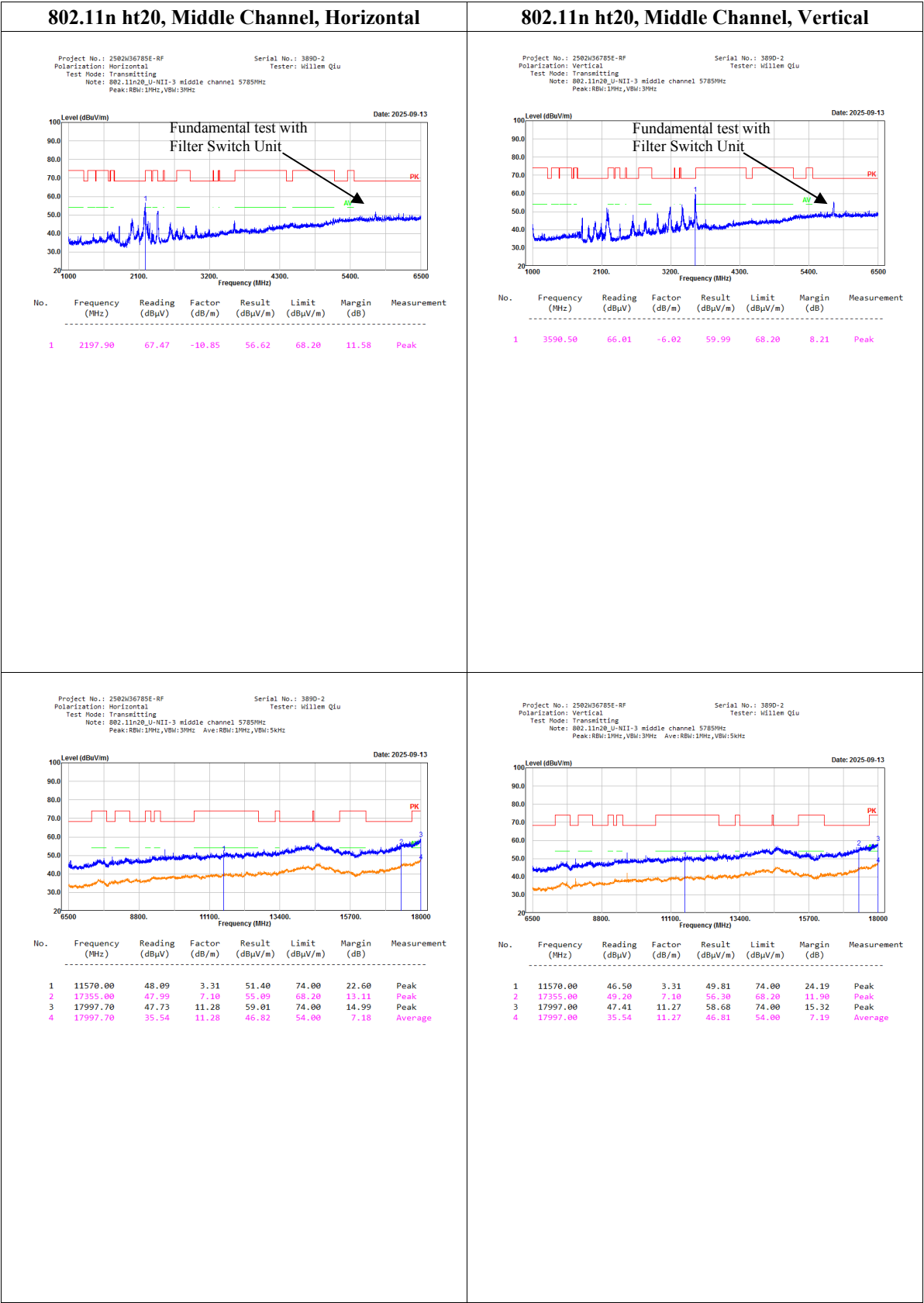
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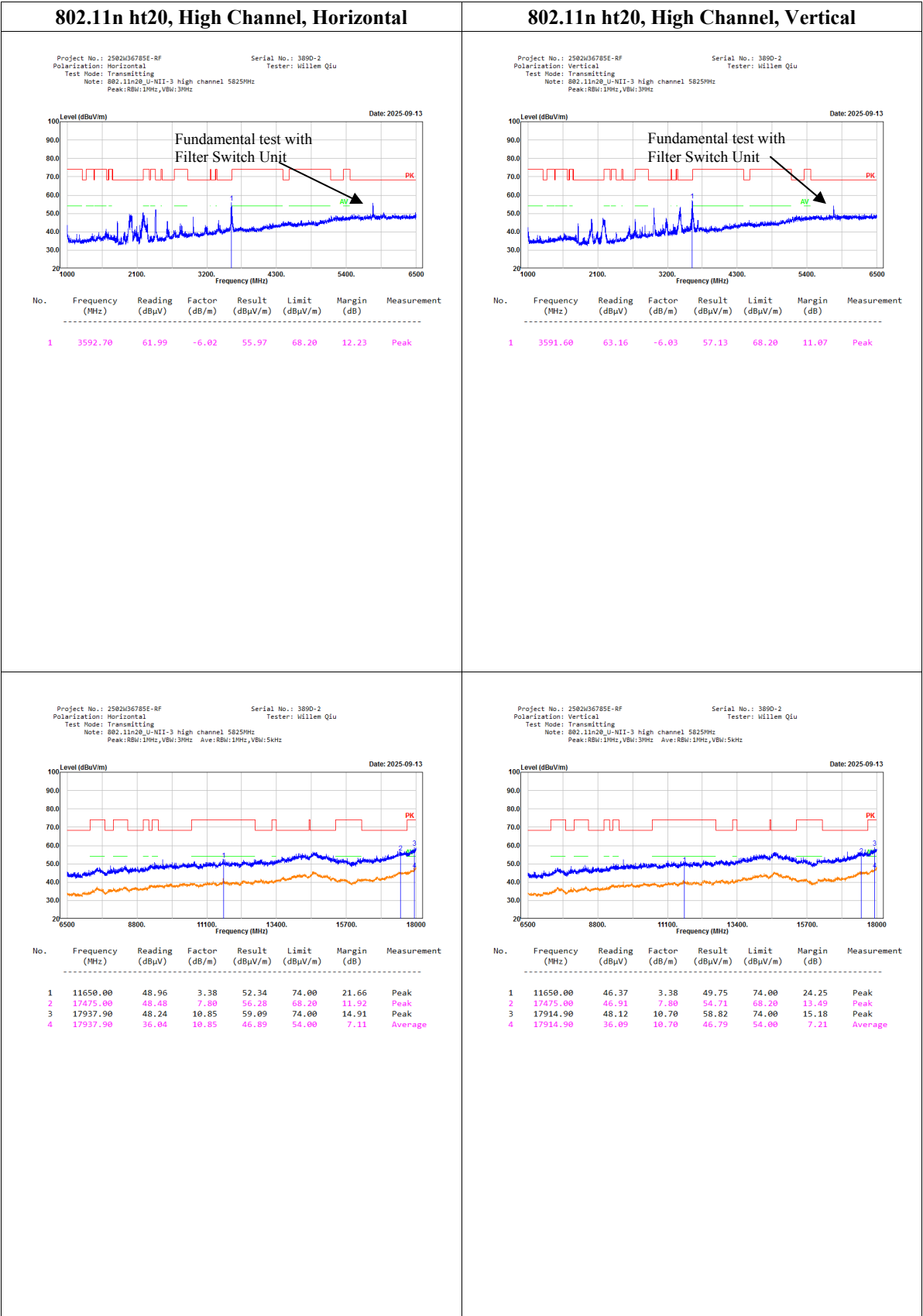
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	46.27	3.31	49.58	74.00	24.42	Peak
2	17355.00	47.80	7.10	54.90	68.20	13.30	Peak
3	17997.70	47.10	11.28	58.38	74.00	15.62	Peak
4	17997.70	35.49	11.28	46.77	54.00	7.23	Average

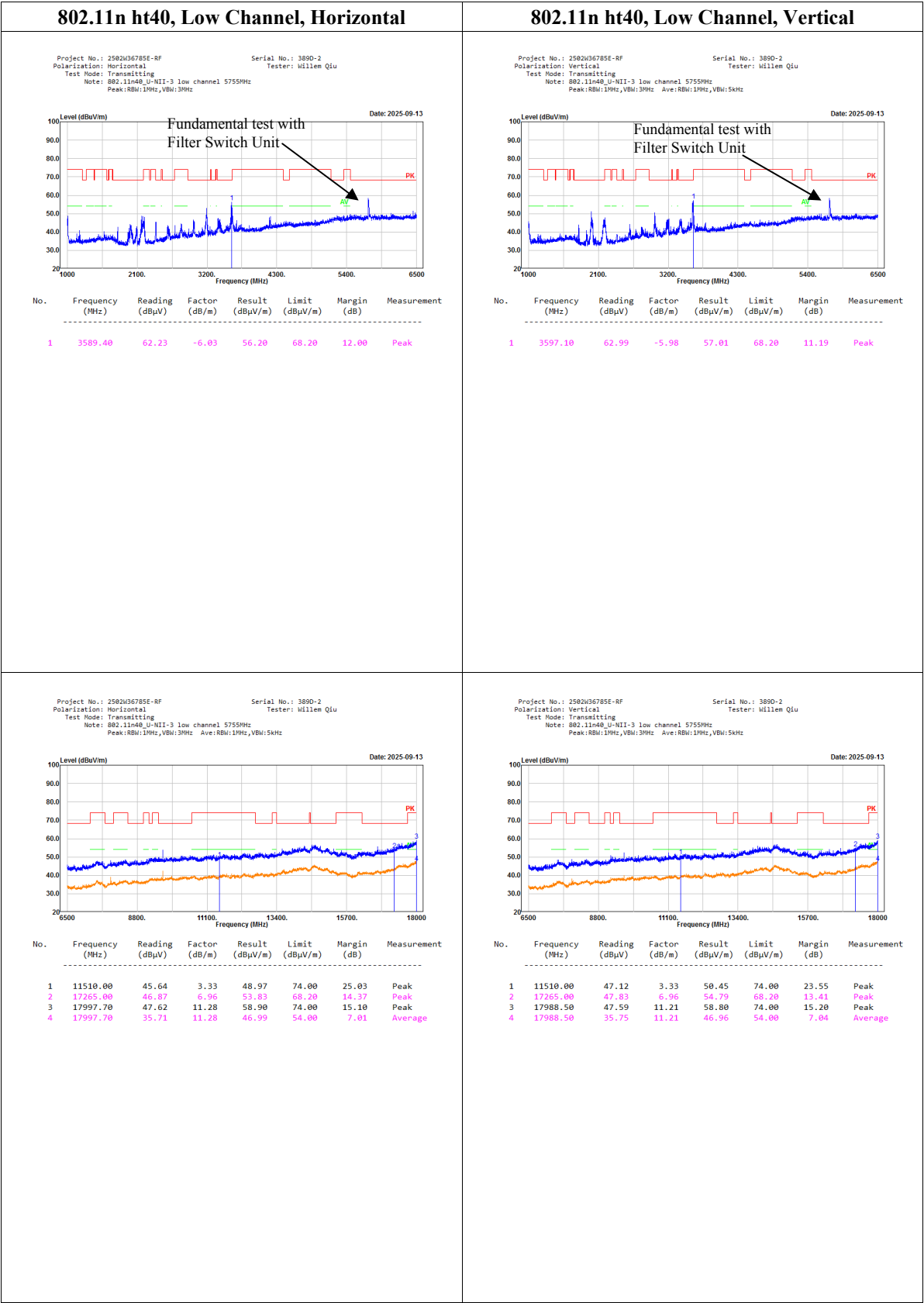


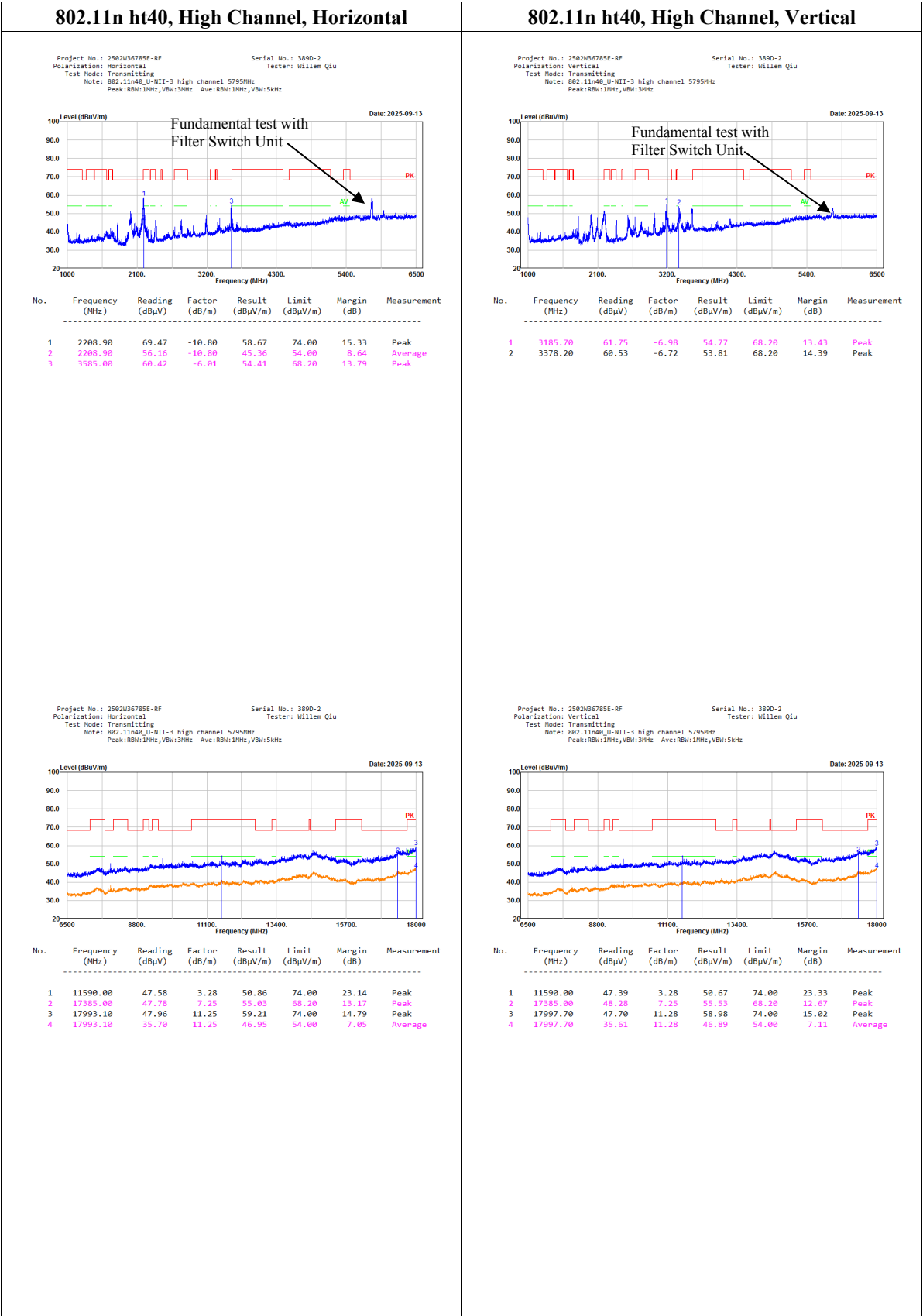
Chain 0+Chain 1:











802.11ac vht80, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ac80_U-NII-3 middle channel 5775MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

2025-09-13

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	2207.80	63.96	-10.81	53.15	74.00	20.85	Peak
2	3582.80	60.19	-6.00	54.19	68.20	14.01	Peak

802.11ac vht80, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ac80_U-NII-3 middle channel 5775MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

2025-09-13

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	2189.10	65.10	-10.84	54.26	68.20	13.94	Peak
2	3588.30	62.64	-6.02	56.62	68.20	11.58	Peak

802.11ac vht80, Middle Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ac80_U-NII-3 middle channel 5775MHz

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

Level (dBuV/m)

Frequency (MHz)

2025-09-13

PK

AV

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	46.79	3.32	50.11	74.00	23.89	Peak
2	17325.00	47.92	6.94	54.86	68.20	13.34	Peak
3	17993.10	47.73	11.25	58.98	74.00	15.02	Peak
4	17993.10	35.78	11.25	47.03	54.00	6.97	Average

802.11ac vht80, Middle Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Willem Qiu

Test Mode: Transmitting

Note: 802.11ac80_U-NII-3 middle channel 5775MHz

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

Level (dBuV/m)

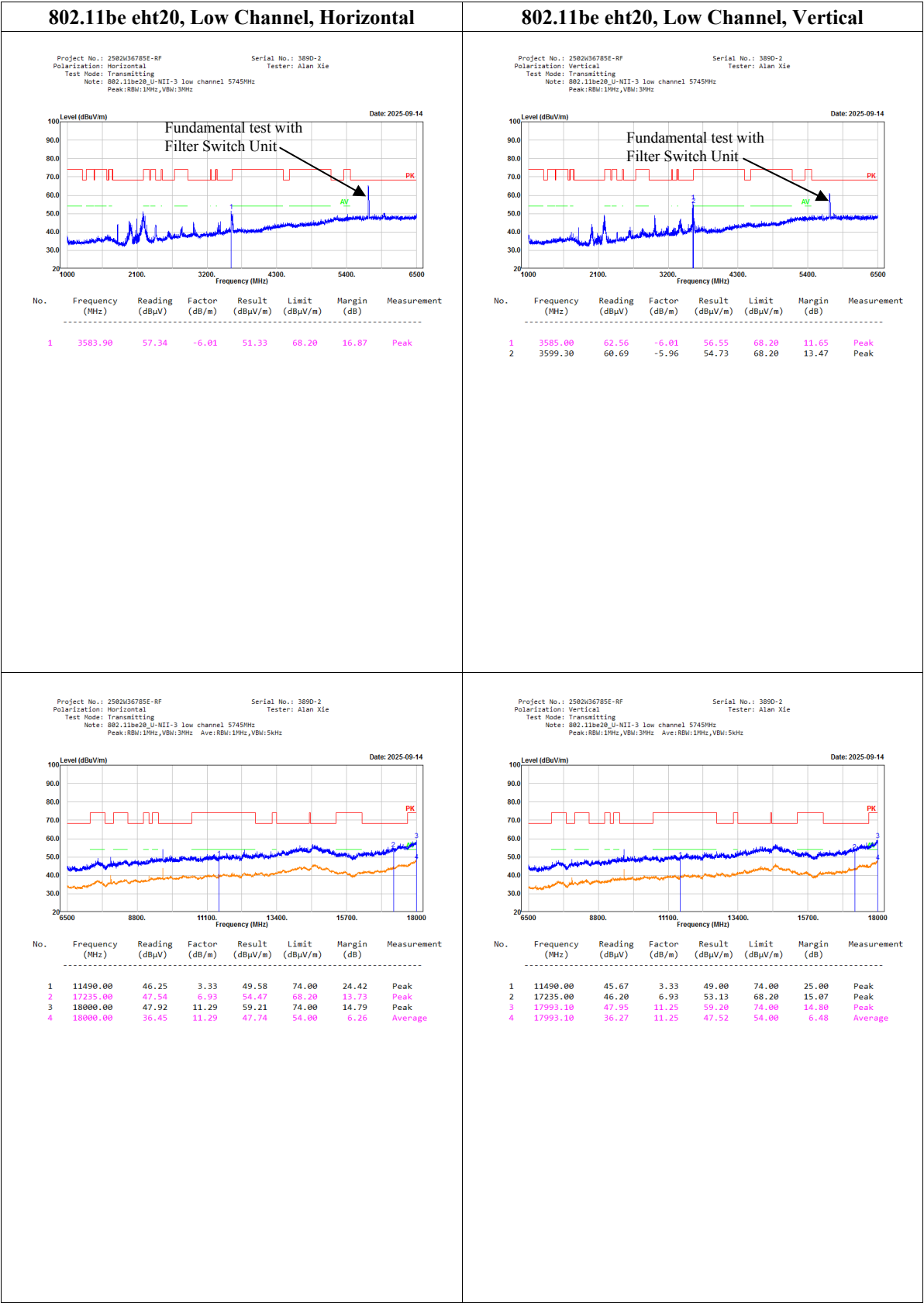
Frequency (MHz)

2025-09-13

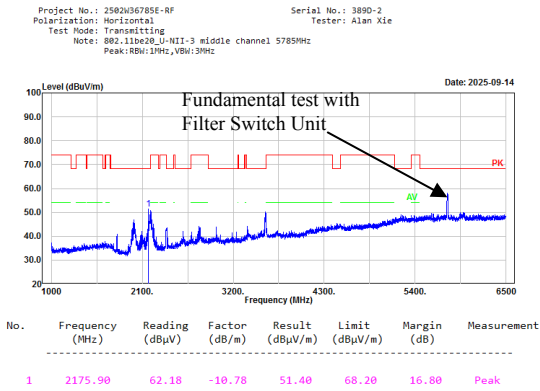
PK

AV

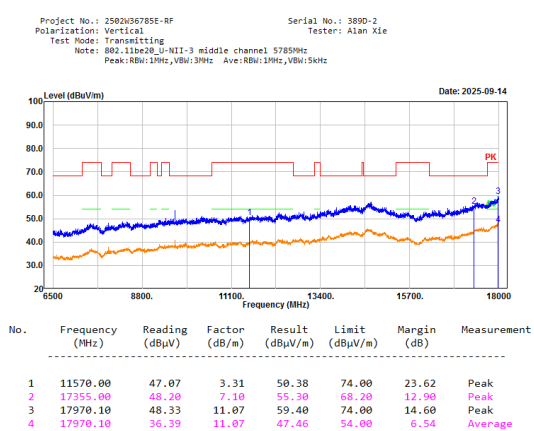
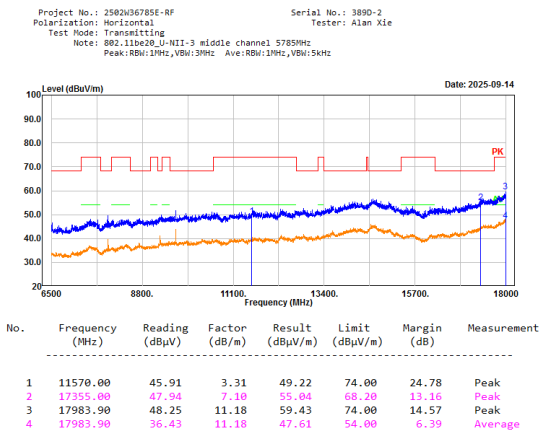
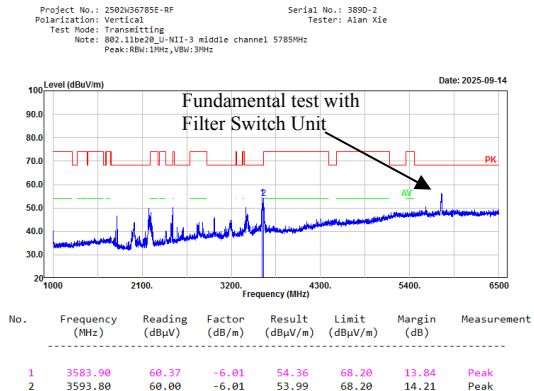
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	46.47	3.32	49.79	74.00	24.21	Peak
2	17325.00	47.43	6.94	54.37	68.20	13.83	Peak
3	17951.70	48.09	10.96	59.05	74.00	14.95	Peak
4	17951.70	36.01	10.96	46.97	54.00	7.03	Average



802.11be eht20, Middle Channel, Horizontal



802.11be eht20, Middle Channel, Vertical



802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be20_U-NII-3 high channel 5825MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

1000 2100 3200 4300 5400 6500

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

1 3593.80 57.38 -6.01 51.37 68.20 16.83 Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3593.80	57.38	-6.01	51.37	68.20	16.83	Peak

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be20_U-NII-3 high channel 5825MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Frequency (MHz)

1000 2100 3200 4300 5400 6500

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

1 3588.30 61.11 -6.02 55.09 68.20 13.11 Peak

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	3588.30	61.11	-6.02	55.09	68.20	13.11	Peak

802.11be eht20, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be20_U-NII-3 high channel 5825MHz

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

Level (dBuV/m)

Frequency (MHz)

6500 8800 11100 13400 15700 18000

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

1 11650.00 48.30 3.38 51.68 74.00 22.32 Peak

2 17475.00 47.64 7.80 55.44 68.20 12.76 Peak

3 17997.70 47.93 11.28 59.21 74.00 14.79 Peak

4 17997.70 36.31 11.28 47.59 54.00 6.41 Average

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	48.30	3.38	51.68	74.00	22.32	Peak
2	17475.00	47.64	7.80	55.44	68.20	12.76	Peak
3	17997.70	47.93	11.28	59.21	74.00	14.79	Peak
4	17997.70	36.31	11.28	47.59	54.00	6.41	Average

802.11be eht20, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be20_U-NII-3 high channel 5825MHz

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

Level (dBuV/m)

Frequency (MHz)

6500 8800 11100 13400 15700 18000

100 90.0 80.0 70.0 60.0 50.0 40.0 30.0 20

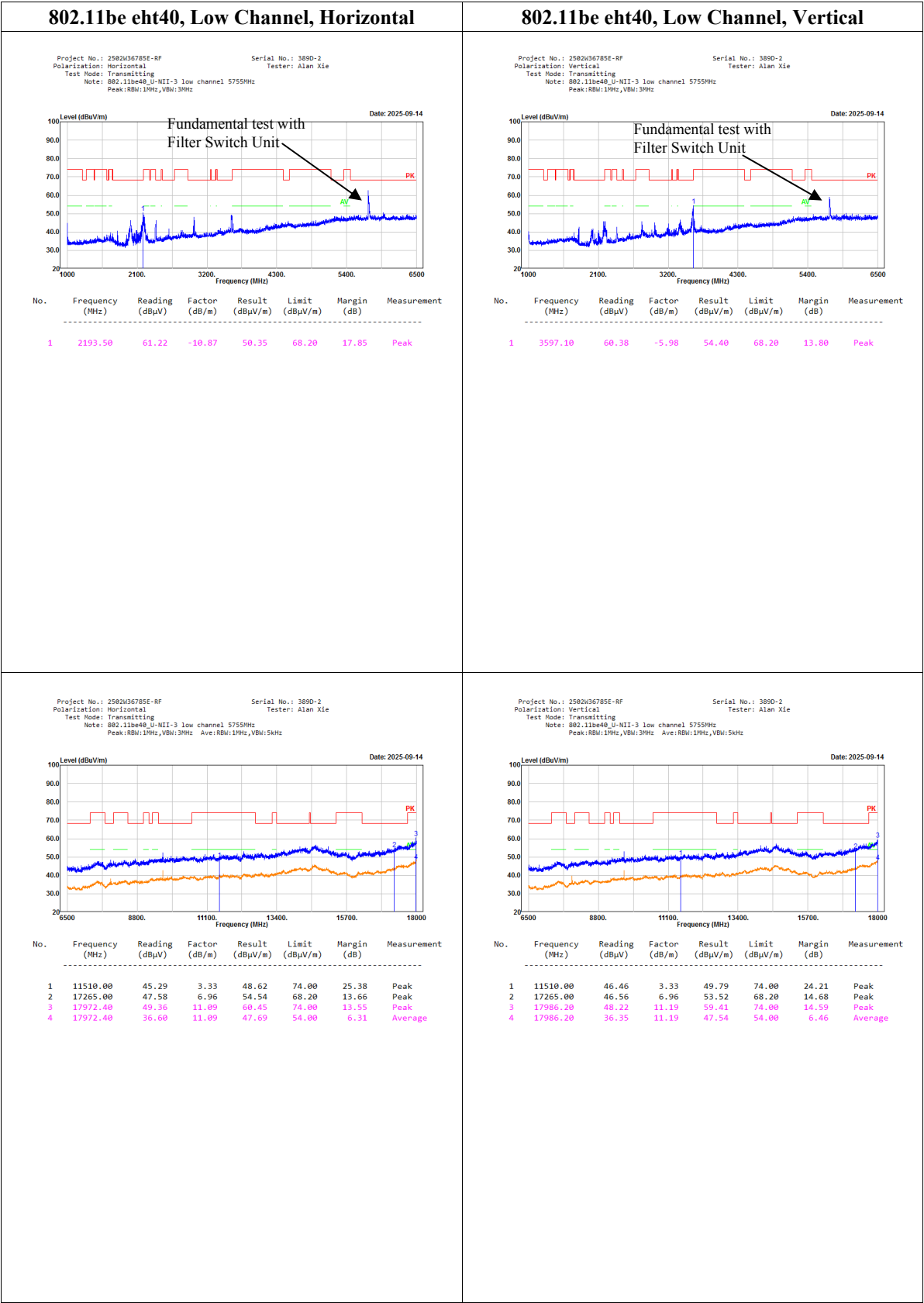
1 11650.00 46.92 3.38 50.30 74.00 23.70 Peak

2 17475.00 48.34 7.80 56.14 68.20 12.06 Peak

3 17997.70 48.73 11.28 60.01 74.00 13.99 Peak

4 17997.70 36.38 11.28 47.66 54.00 6.34 Average

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	46.92	3.38	50.30	74.00	23.70	Peak
2	17475.00	48.34	7.80	56.14	68.20	12.06	Peak
3	17997.70	48.73	11.28	60.01	74.00	13.99	Peak
4	17997.70	36.38	11.28	47.66	54.00	6.34	Average



802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be40 U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2200.10	63.16	-10.84	52.32	74.00	21.68	Peak
2	3589.40	58.77	-6.03	52.74	68.20	15.46	Peak

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be40 U-NII-3 high channel 5795MHz

Peak:RBW:1MHz,VBW:3MHz

Level (dBuV/m)

Fundamental test with Filter Switch Unit

Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2985.50	60.07	-7.43	52.64	68.20	15.56	Peak

802.11be eht40, High Channel, Horizontal

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be40 U-NII-3 high channel 5795MHz

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

Level (dBuV/m)

Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11590.00	47.04	3.28	50.32	74.00	23.68	Peak
2	17385.00	47.98	7.25	55.23	68.20	12.97	Peak
3	17986.20	47.82	11.19	59.01	74.00	14.99	Peak
4	17986.20	36.23	11.19	47.42	54.00	6.58	Average

802.11be eht40, High Channel, Vertical

Project No.: 2502W36785E-RF

Serial No.: 3890-2

Polarization: Vertical

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11be40 U-NII-3 high channel 5795MHz

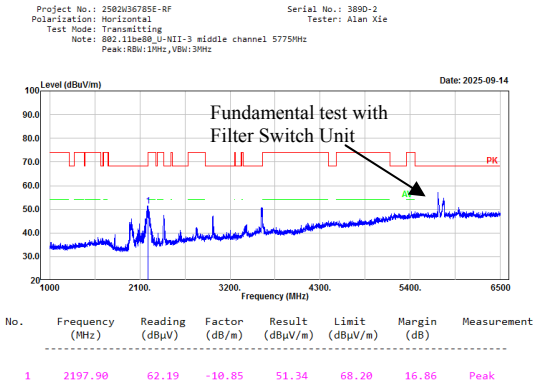
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Level (dBuV/m)

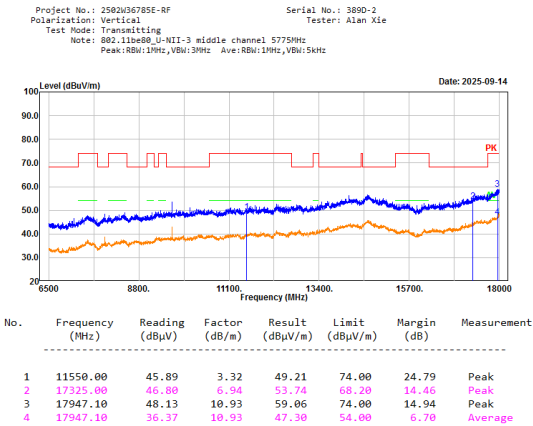
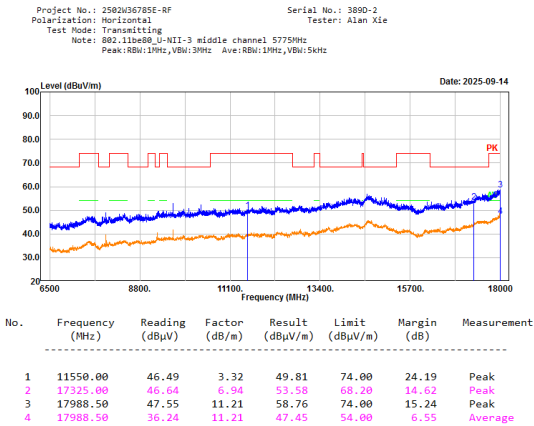
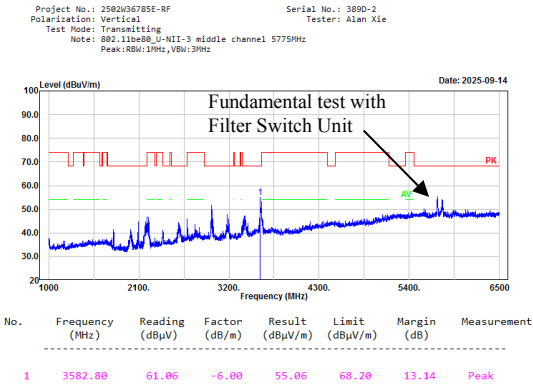
Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11590.00	46.03	3.28	49.31	74.00	24.69	Peak
2	17385.00	48.02	7.25	55.27	68.20	12.93	Peak
3	17995.40	48.18	11.26	59.44	74.00	14.56	Peak
4	17995.40	36.41	11.26	47.67	54.00	6.33	Average

802.11be eht80, Middle Channel, Horizontal



802.11be eht80, Middle Channel, Vertical



18GHz-40GHz:

Note: No Emission was detected in the range 18-40GHz, the maximum output power mode and channel: 802.11be eht40 MIMO mode 5755MHz was tested.

Project No.: 2502W36785E-RF

Polarization: Horizontal

Test Mode: Transmitting

Note: SG WiFi

Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3890-2

Tester: Alan Xie

Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	19888.70	47.13	0.28	47.41	74.00	26.59	Peak

Project No.: 2502W36785E-RF

Polarization: Vertical

Test Mode: Transmitting

Note: SG WiFi

Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3890-2

Tester: Alan Xie

Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	19853.00	46.96	0.20	47.16	74.00	26.84	Peak

Project No.: 2502W36785E-RF

Polarization: Horizontal

Test Mode: Transmitting

Note: SG WiFi

Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3890-2

Tester: Alan Xie

Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	32774.80	48.30	6.27	54.57	68.20	13.63	Peak
2	38786.70	44.61	8.90	53.51	74.00	20.49	Peak

Project No.: 2502W36785E-RF

Polarization: Vertical

Test Mode: Transmitting

Note: SG WiFi

Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3890-2

Tester: Alan Xie

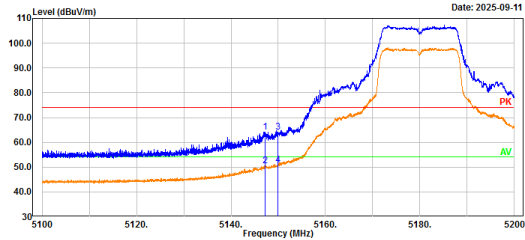
Date: 2025-09-14

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	35904.10	47.68	7.55	55.23	68.20	12.97	Peak
2	38890.30	44.50	9.11	53.61	74.00	20.39	Peak

Test plots for Bandedge:
5150-5250MHz:
Chain 0**802.11a, Low Channel, Bandedge, Horizontal**

Project No.: 2502W36785E-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.: 3890-2
Tester: Alan Xie

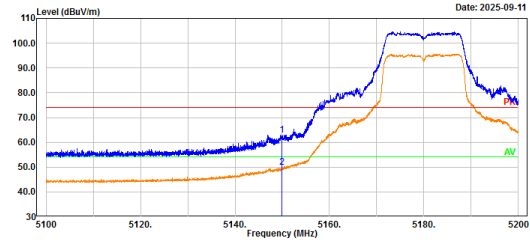


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5147.20	56.56	7.46	64.02	74.00	9.98	Peak
2	5147.20	43.04	7.46	50.50	54.00	3.50	Average
3	5150.00	56.54	7.47	64.01	74.00	9.99	Peak
4	5150.00	43.39	7.47	50.86	54.00	3.14	Average

802.11a, Low Channel, Bandedge, Vertical

Project No.: 2502W36785E-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.: 3890-2
Tester: Alan Xie

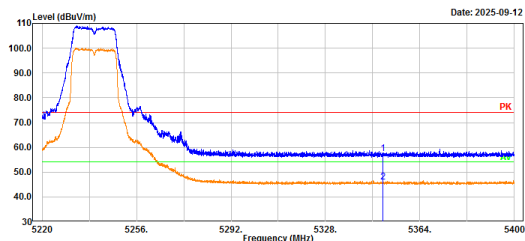


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	55.34	7.47	62.81	74.00	11.19	Peak
2	5150.00	42.46	7.47	49.93	54.00	4.07	Average

802.11a, High Channel, Bandedge, Horizontal

Project No.: 2502W36785E-RF
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

Serial No.: 3890-2
Tester: Alan Xie

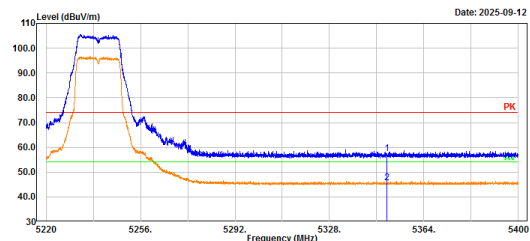


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.46	8.01	57.47	74.00	16.53	Peak
2	5350.00	37.06	8.01	45.07	54.00	8.13	Average

802.11a, High Channel, Bandedge, Vertical

Project No.: 2502W36785E-RF
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

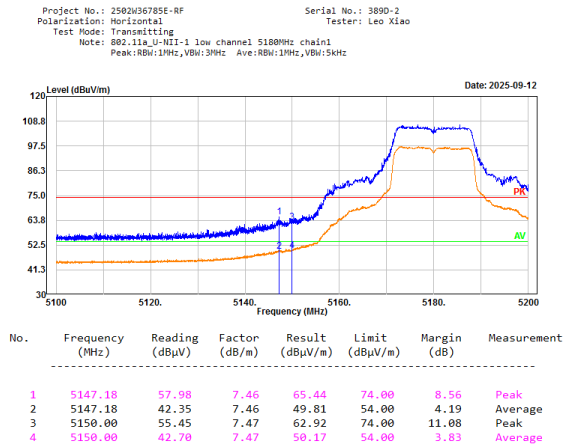
Serial No.: 3890-2
Tester: Alan Xie



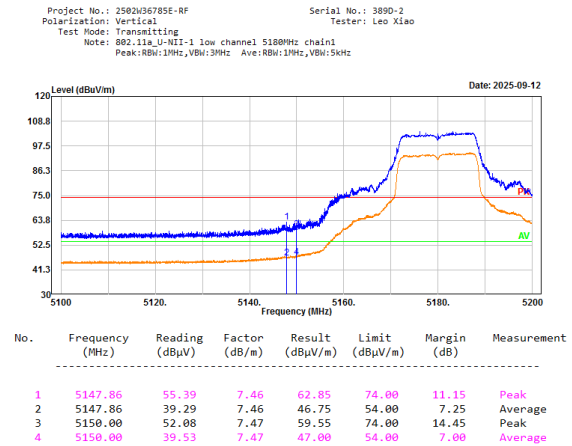
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.45	8.01	57.46	74.00	16.54	Peak
2	5350.00	37.74	8.01	45.75	54.00	8.25	Average

Chain 1

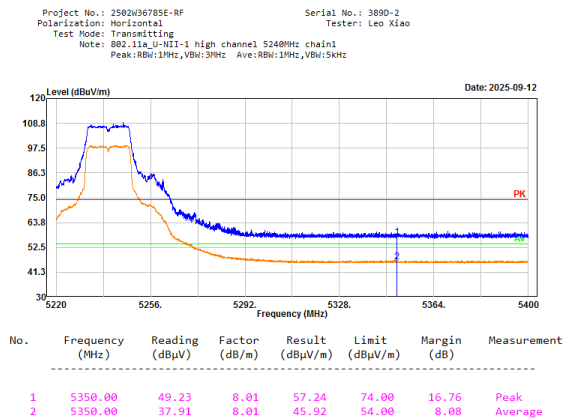
802.11a, Low Channel, Bandedge, Horizontal



802.11a, Low Channel, Bandedge, Vertical



802.11a, High Channel, Bandedge, Horizontal



802.11a, High Channel, Bandedge, Vertical

