

TEST REPORT

Applicant: JAKA Robotics Co., Ltd

Address: 6B, No646, Jianchuan, Minhang, Shanghai, China

Product Name: Wifi module

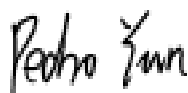
FCC ID: 2BBXW-RTL8822CE

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: 2502S54931E-RF-00B

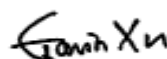
Report Date: 2025/7/17

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	2502S54931E-RF-00B	Original Report	2025/7/17

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Wifi module
Trade Name:	JAKA
EUT Model:	RTL8822CE
Operation Frequency:	5150-5250MHz: 5180-5240 MHz (802.11a/n ht20/ac vht20) 5190-5230 MHz (802.11n ht40/ac vht40) 5210 MHz (802.11ac vht80) 5250-5350MHz: 5260-5320 MHz (802.11a/n ht20/ac vht20) 5270-5310 MHz (802.11n ht40/ac vht40) 5290 MHz (802.11ac vht80) 5470-5725MHz: 5500-5720 MHz (802.11a/n ht20/ac vht20) 5510-5710 MHz (802.11n ht40/vht40) 5530-5690MHz (802.11ac vht80) 5725-5850MHz: 5745-5825 MHz (802.11a/n ht20/ac vht20) 5755-5795 MHz (802.11n ht40/ac vht40) 5775 MHz (802.11ac vht80)
Maximum Average Conducted Output Power:	W52 802.11a: 14.96dBm 802.11n ht20: 8.82dBm 802.11n ht40: 11.3dBm 802.11ac vht80: 14.22dBm W53 802.11a: 16.18dBm 802.11n ht20: 17.29dBm 802.11n ht40: 17.23dBm 802.11ac vht80: 17.28dBm W56 802.11a: 16.73dBm 802.11n ht20: 18.17dBm 802.11n ht40: 17.87dBm 802.11ac vht80: 17.73dBm W58 802.11a: 15.87dBm 802.11n ht20: 18.06dBm 802.11n ht40: 17.57dBm 802.11ac vht80: 18.03dBm
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM
Rated Input Voltage:	3.3Vdc
Serial Number:	31QP-1
EUT Received Date:	2025/4/22
EUT Received Status:	Good

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
WIFI Antenna	GLEAD	WIFI_PM2458YSO_SD270MM	/

1.3 Antenna Information Detail[▲]

Antenna	Antenna Type	Input Impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
Antenna1 (Chain 0)	PCB	50	5150-5250	5.69
			5250-5350	5.69
			5470-5725	5.17
			5725-5850	4.10
Antenna2 (Chain 1)	PCB	50	5150-5250	5.69
			5250-5350	5.69
			5470-5725	5.17
			5725-5850	4.10

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
FCC§15.203	Antenna Requirement	Compliant
FCC§1.1310, §2.1091; §15.407(f),	RF Exposure Evaluation	Compliant

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

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

3. DESCRIPTION OF TEST CONFIGURATION

3.1 Operation Frequency Detail

For 802.11a/n ht20/ac vht20:

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:

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:

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	/	/

Note:

*: Additional channels cross the bands 5470-5725 MHz and 5725-5850 MHz. Conducted output power, power spectral density, and bandwidth tests must be performed on the additional channel to comply with the stricter limit applicable to these two bands (with the 5470-5725 MHz band having the stricter limit).

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: RTL8822CE MP Diagnostic Program					
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	79	79
	Middle	5200	6Mbps	78	78
	Highest	5240	6Mbps	77	76
802.11n ht20	Lowest	5180	MCS0	46	45
	Middle	5200	MCS0	44	43
	Highest	5240	MCS0	44	43
802.11n ht40	Lowest	5190	MCS0	57	56
	Highest	5230	MCS0	57	56
802.11ac vht80	Middle	5210	MCS0	82	82
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	85	82
	Middle	5280	6Mbps	85	82
	Highest	5320	6Mbps	85	82
802.11n ht20	Lowest	5260	MCS0	85	82
	Middle	5280	MCS0	85	82
	Highest	5320	MCS0	85	82
802.11n ht40	Lowest	5270	MCS0	85	82
	Highest	5310	MCS0	85	82
802.11ac vht80	Middle	5290	MCS0	100	97
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	75	75
	Middle	5580	6Mbps	75	75
	Highest	5700	6Mbps	80	75
	Cross	5720	6Mbps	80	75
802.11n ht20	Lowest	5500	MCS0	75	75
	Middle	5580	MCS0	75	75
	Highest	5700	MCS0	80	75
	Cross	5720	MCS0	80	75
802.11n ht40	Lowest	5510	MCS0	75	75
	Middle	5550	MCS0	75	75
	Highest	5670	MCS0	80	75
	Cross	5710	MCS0	80	75
802.11ac vht80	Lowest	5530	MCS0	85	87
	Highest	5610	MCS0	85	87
	Cross	5690	MCS0	95	92

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	70	70
	Middle	5785	6Mbps	70	70
	Highest	5825	6Mbps	70	70
802.11n ht20	Lowest	5745	MCS0	75	75
	Middle	5785	MCS0	75	75
	Highest	5825	MCS0	75	75
802.11n ht40	Lowest	5755	MCS0	75	75
	Highest	5795	MCS0	75	75
802.11ac vht80	Middle	5775	MCS0	90	90

Note:

1. The device supports SISO in all modes and MIMO in 802.11n/ac modes, per pretest, MIMO mode was the worst mode and reported for 802.11n/ac modes.
2. The system support 802.11a/n ht20/n ht40/ac vht20/vht40/vht80, the 802.11ac vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40.
3. The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.

3.3 Support Equipment List and Details

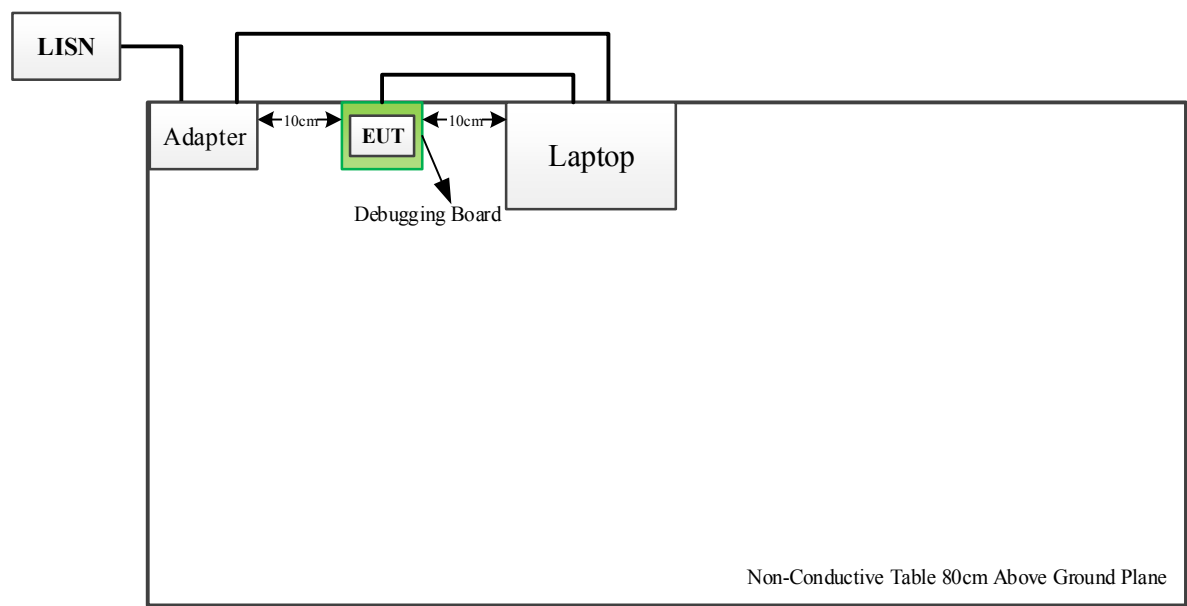
Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	G510	CB30920865
Lenovo	Adapter	ADLX45YCC3A	8SSA10E75843C1SG982GDCE
JAKA	Debugging Board	23C1AUMS20014	Unknown

3.4 Support Cable List and Details

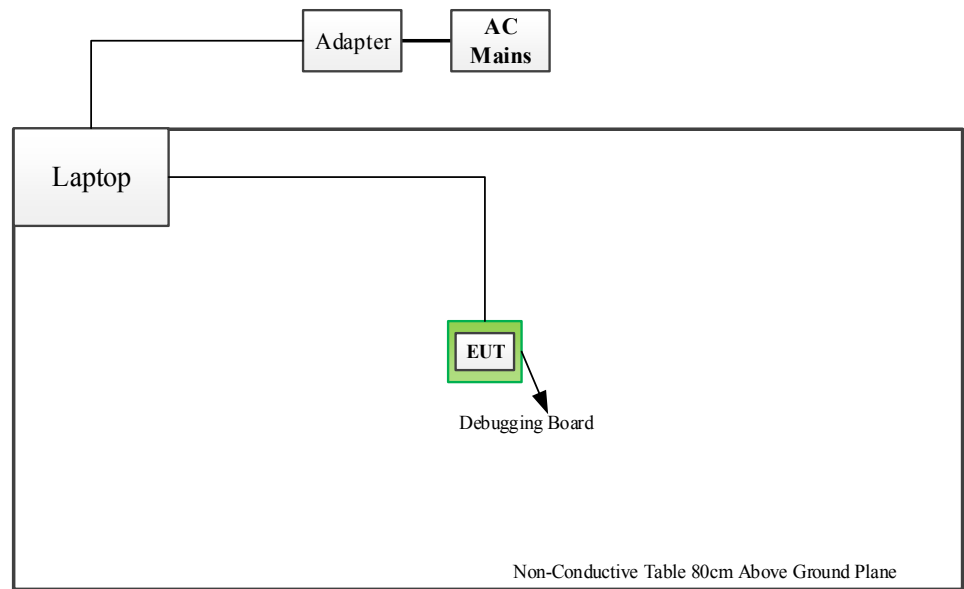
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
AC Power Cable	No	No	1.5	Adapter	LISN/AC Mains
Adapter Power Cable	No	No	1.5	Adapter	Laptop
USB Cable	No	No	1.5	Laptop	Debugging Board

3.5 Block Diagram of Test Setup

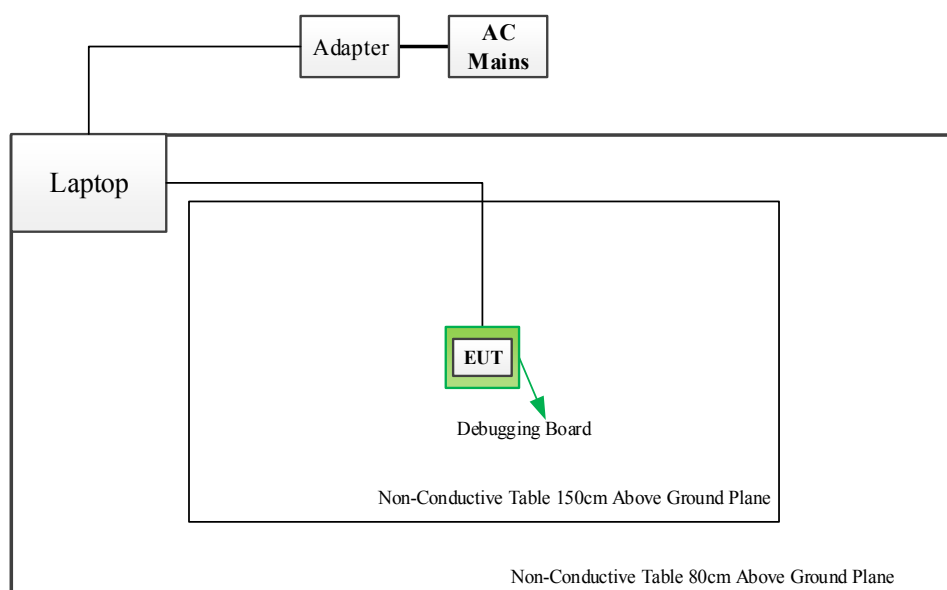
For AC Line Conducted Emissions:



For Radiation Spurious Emissions Below 1GHz:



For Radiation Spurious Emissions Above 1GHz:



3.6 Test Facility

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

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

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

3.7 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.61dB
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

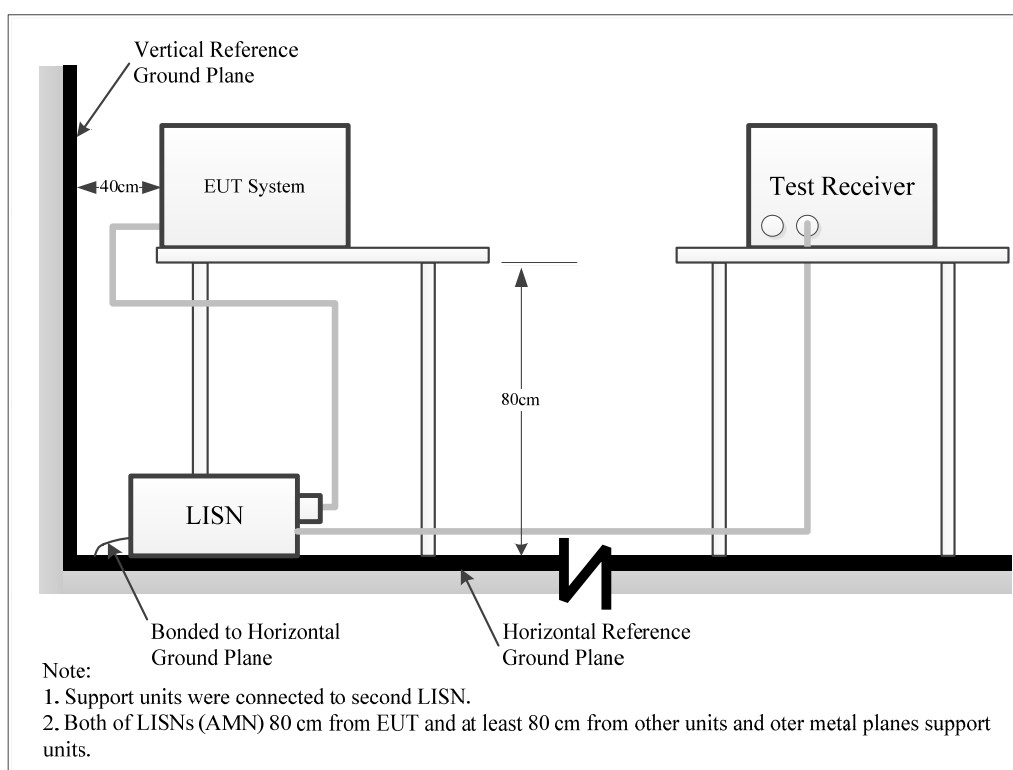
*Decreases with the logarithm of the frequency.

(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.

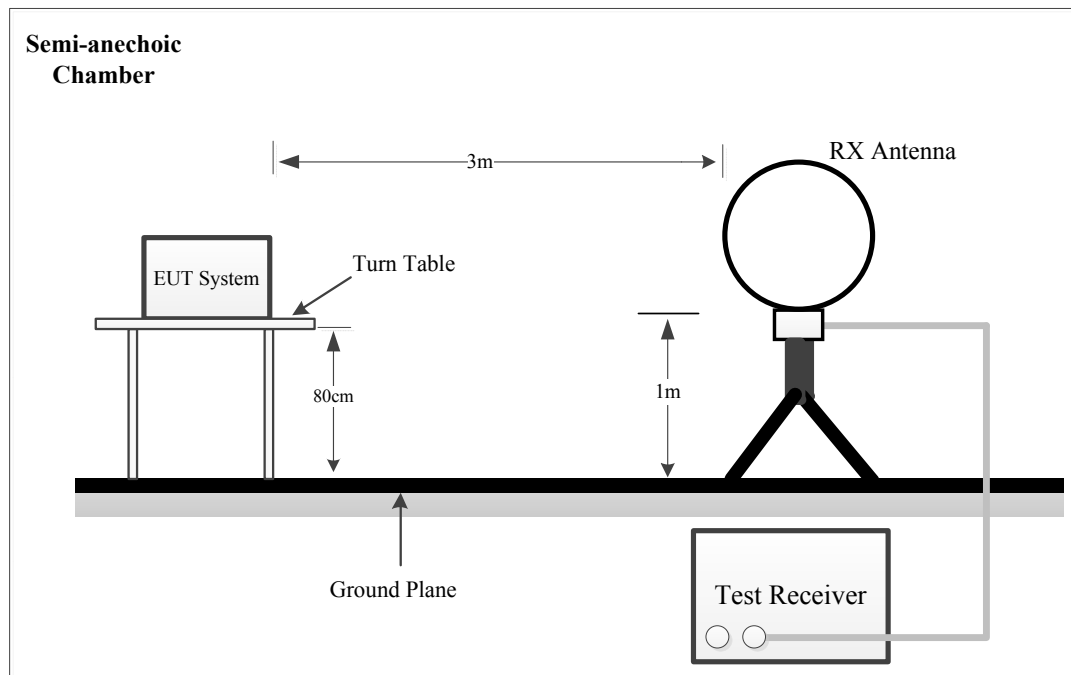
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

(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.

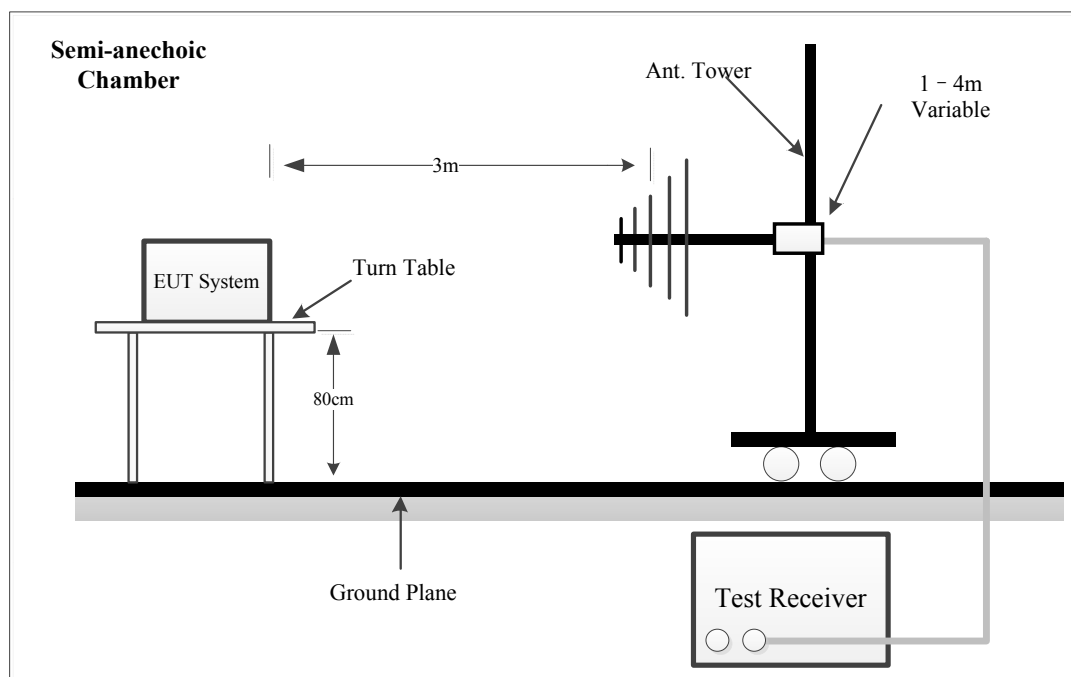
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies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

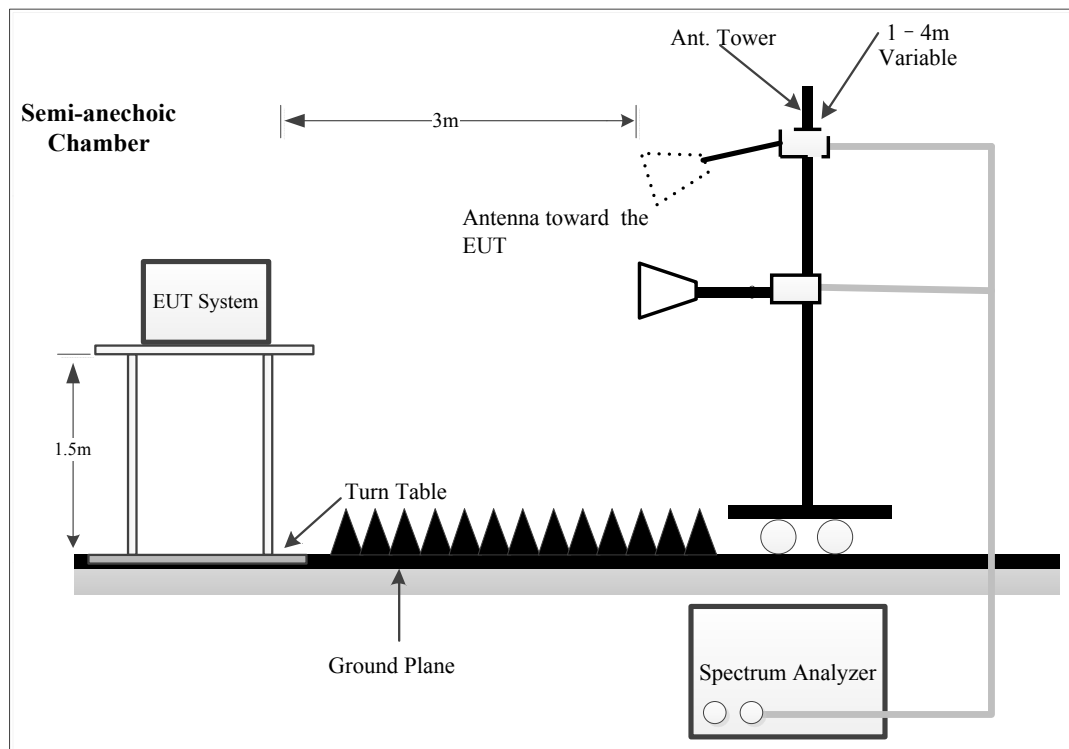
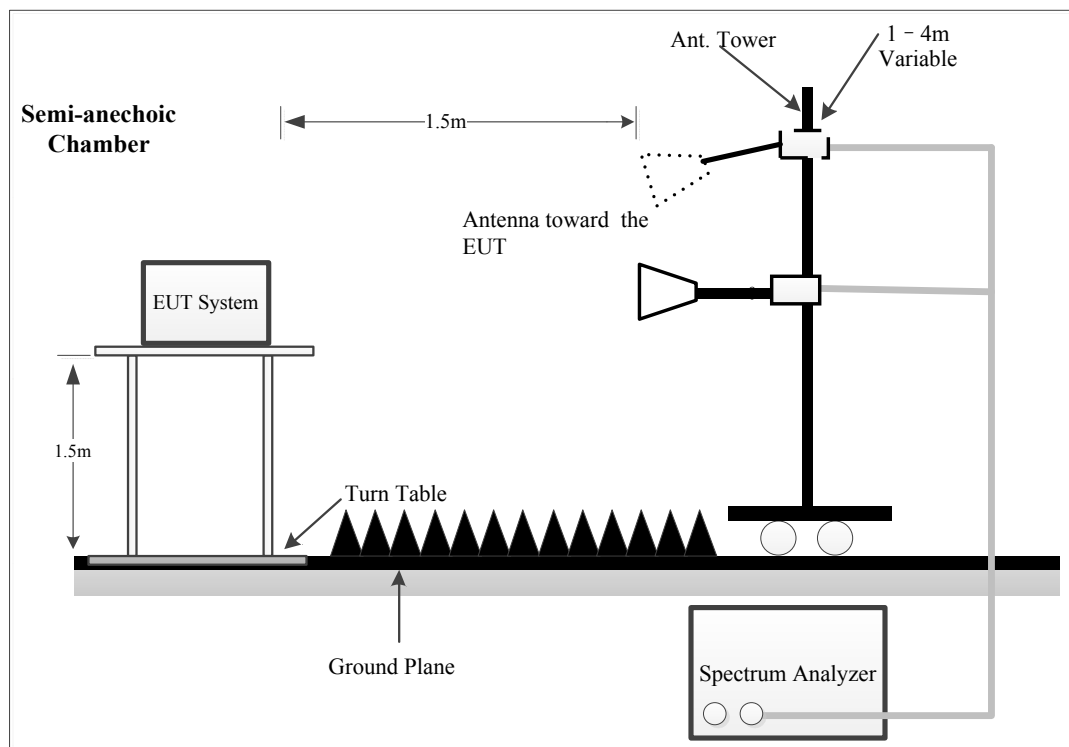
4.2.2 EUT Setup

9kHz~30MHz:



30MHz~1GHz:



1-26.5GHz:**26.5-40GHz:**

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

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

The spacing between the peripherals was 10 cm.

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

4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9kHz-1000MHz:

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

1GHz- 40GHz:

Pre-scan:

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

Final measurement for emission identified during the pre-scan:

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

Note: T is minimum transmission duration

4.2.4 Test Procedure

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

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

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

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

4.2.5 Corrected Result & Margin Calculation

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

Factor = Antenna Factor + Cable Loss - Amplifier Gain

For Radiated 26.5-40GHz 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

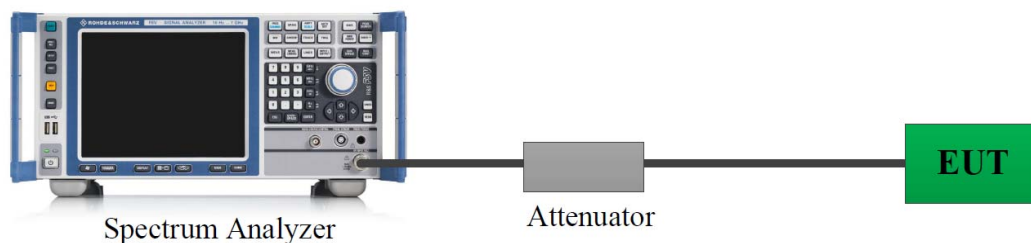
FCC §15.407 (a), (h)

(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



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

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)(iv)

For client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

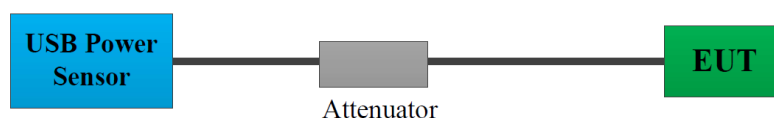
FCC §15.407(a) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.4.2 EUT Setup



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

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)(iv)

For client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

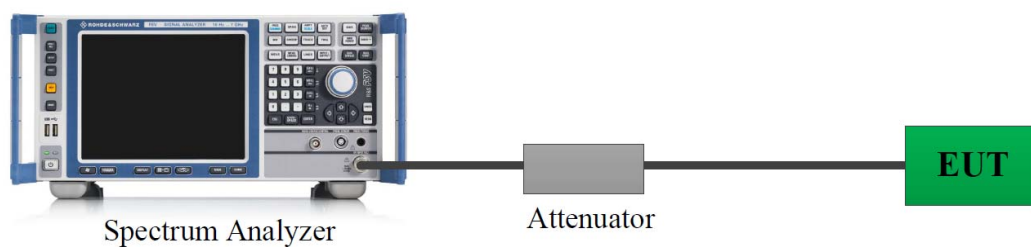
FCC §15.407(a) (2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

FCC §15.407(a) (3)(i)

For the band 5.725-5.850 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

4.5.2 EUT Setup



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

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 $\pm 2\%$

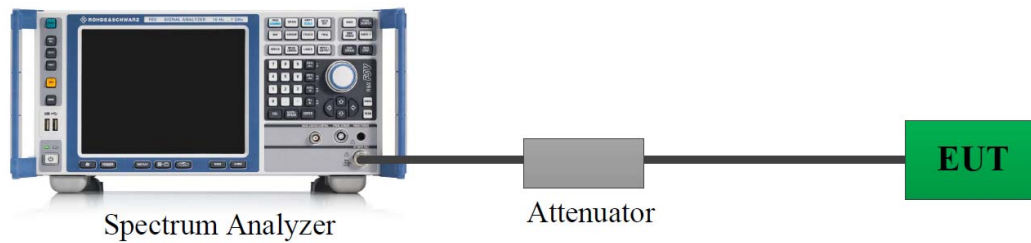
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

4.5.4 Test Result

Please refer to section 5.6.

4.6 Duty Cycle

4.6.1 EUT Setup



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

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:	31QP-1	Test Date:	2025/5/8
Test Site:	CE	Test Mode:	Transmitting
Tester:	Yukin Qiu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.8	Relative Humidity: (%)	68	ATM Pressure: (kPa)	100.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2024/9/5	2025/9/4
Unknown	Coaxial Cable	RG 142	C-0200-05	2025/5/6	2026/5/5
R&S	EMI Test Receiver	ESCI	101121	2024/9/5	2025/9/4
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).

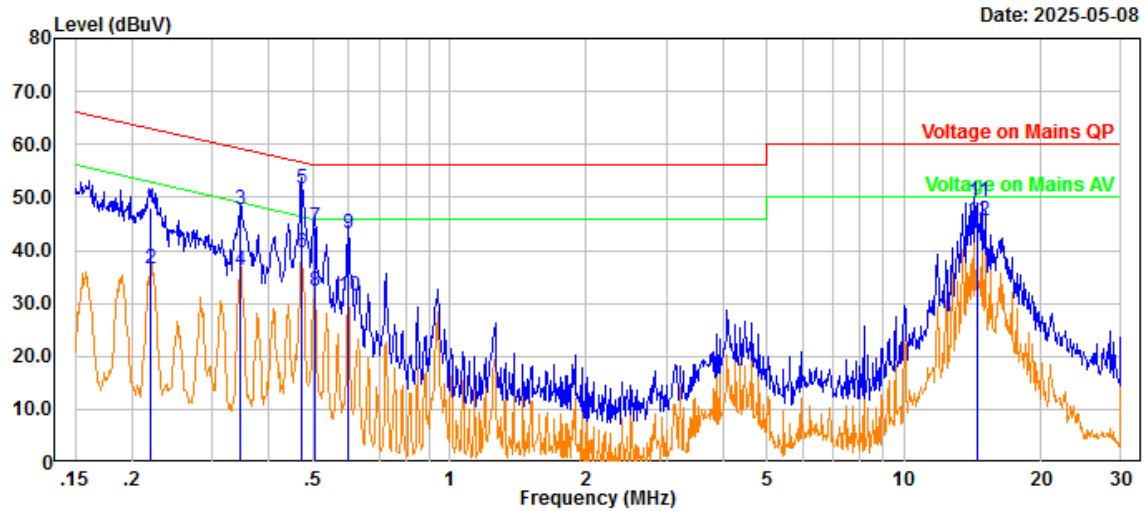
Test Data:

Please refer to the below table and plots.

Note: Maximum Output Power Mode and Channel: 802.11n ht20 MIMO mode 5580MHz was tested.

Project No.: 2502S54931E-RF
Port: Line
Test Mode: Transmitting
IF B/W 9KHz PK/AV

Serial No.: 31QP-1
Tester: Yukin Qiu
Note:

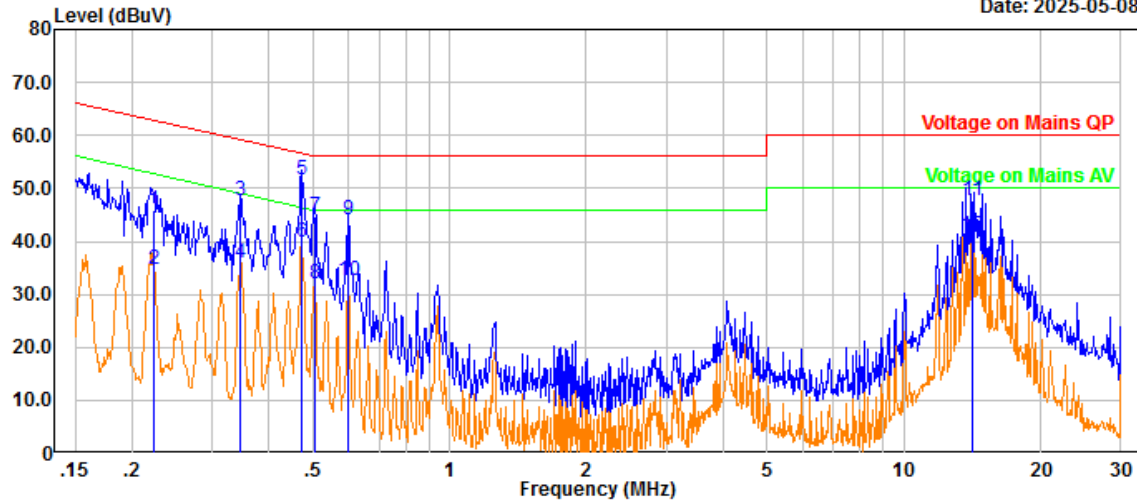


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.220	37.10	10.84	47.94	62.84	14.90	QP
2	0.220	25.71	10.84	36.55	52.84	16.29	Average
3	0.347	36.78	10.83	47.61	59.04	11.43	QP
4	0.347	25.28	10.83	36.11	49.04	12.93	Average
5	0.473	40.70	10.84	51.54	56.45	4.91	QP
6	0.473	28.62	10.84	39.46	46.45	6.99	Average
7	0.505	33.52	10.84	44.36	56.00	11.64	QP
8	0.505	21.56	10.84	32.40	46.00	13.60	Average
9	0.598	32.21	10.82	43.03	56.00	12.97	QP
10	0.598	20.68	10.82	31.50	46.00	14.50	Average
11	14.521	38.43	10.85	49.28	60.00	10.72	QP
12	14.521	34.59	10.85	45.44	50.00	4.56	Average

Project No.: 2502S54931E-RF
Port: neutral
Test Mode: Transmitting
IF B/W 9KHz PK/AV

Serial No.: 31QP-1
Tester: Yukin Qiu
Note:

Date: 2025-05-08



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.224	35.03	10.83	45.86	62.68	16.82	QP
2	0.224	23.88	10.83	34.71	52.68	17.97	Average
3	0.347	36.84	10.78	47.62	59.05	11.43	QP
4	0.347	25.26	10.78	36.04	49.05	13.01	Average
5	0.473	40.99	10.75	51.74	56.45	4.71	QP
6	0.473	29.02	10.75	39.77	46.45	6.68	Average
7	0.505	33.95	10.74	44.69	56.00	11.31	QP
8	0.505	21.35	10.74	32.09	46.00	13.91	Average
9	0.599	33.22	10.72	43.94	56.00	12.06	QP
10	0.599	21.86	10.72	32.58	46.00	13.42	Average
11	14.083	36.81	10.86	47.67	60.00	12.33	QP
12	14.083	30.14	10.86	41.00	50.00	9.00	Average

5.2 Radiation Spurious Emissions

1) 9kHz - 1GHz

Serial Number:	31QP-1	Test Date:	2025/5/8
Test Site:	Chamber10m	Test Mode:	Transmitting
Tester:	Zoo Zou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.4	Relative Humidity: (%)	56	ATM Pressure: (kPa)	100.9
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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	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-04	2024/7/1	2025/6/30
Unknown	Coaxial Cable	C-NJNJ-50	C-0530-01	2024/7/1	2025/6/30
Sonoma	Amplifier	310N	185914	2024/8/26	2025/8/25
R&S	EMI Test Receiver	ESCI	100224	2024/8/26	2025/8/25
Audix	Test Software	E3	191218 V9	N/A	N/A

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

Test Data:

Please refer to the below table and plots.

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

Note: Maximum Output Power Mode and Channel: 802.11n ht20 MIMO mode 5580MHz was tested.

9kHz~30MHz

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

Project No.: 2502S54931E-RF

Serial No.: 31QP-1

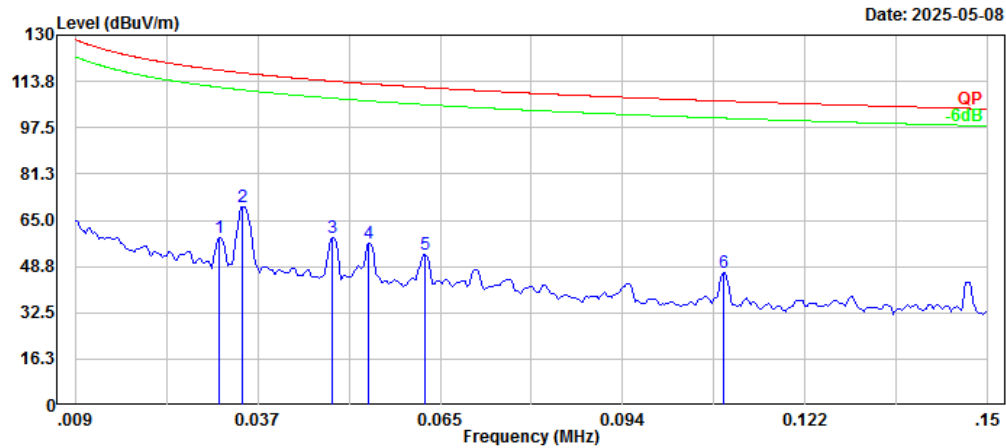
Polarization: Parallel

Tester: Zoo Zou

Test Mode: Transmitting

Note:

RBW:300Hz VBW:1kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.031	11.66	47.32	58.98	117.70	58.72	Peak
2	0.035	23.21	46.67	69.88	116.74	46.86	Peak
3	0.049	14.83	44.26	59.09	113.84	54.75	Peak
4	0.054	13.46	43.30	56.76	112.89	56.13	Peak
5	0.063	10.99	41.79	52.78	111.60	58.82	Peak
6	0.109	11.85	34.89	46.74	106.85	60.11	Peak

Project No.: 2502S54931E-RF

Serial No.: 31QP-1

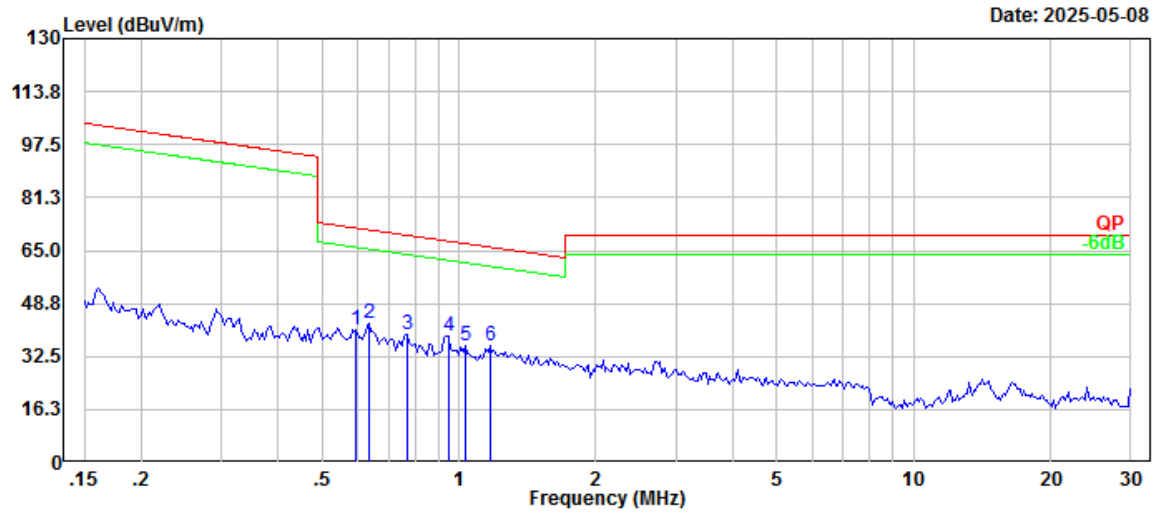
Polarization: Parallel

Tester: Zoo Zou

Test Mode: Transmitting

Note:

RBW:10kHz VBW:30kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.595	18.42	22.52	40.94	72.08	31.14	Peak
2	0.634	20.41	22.13	42.54	71.52	28.98	Peak
3	0.767	18.44	20.86	39.30	69.83	30.53	Peak
4	0.948	21.22	17.60	38.82	67.95	29.13	Peak
5	1.032	19.19	16.42	35.61	67.19	31.58	Peak
6	1.172	19.87	15.80	35.67	66.07	30.40	Peak

30MHz-1GHz

Project No.: 2502S54931E-RF

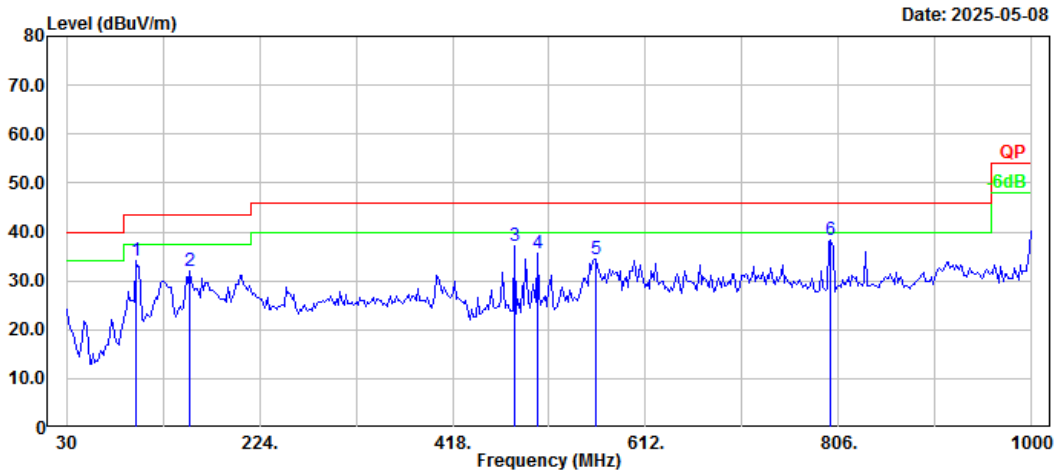
Polarization: Horizontal

Test Mode: Transmitting

Note:
RBW:100kHz VBW:300kHz

Serial No.: 31QP-1

Tester: Zoo Zou



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	99.84	48.45	-14.43	34.02	43.50	9.48	Peak
2	154.16	43.10	-11.09	32.01	43.50	11.49	Peak
3	480.08	41.76	-4.71	37.05	46.00	8.95	Peak
4	503.36	39.80	-4.22	35.58	46.00	10.42	Peak
5	561.56	37.78	-3.32	34.46	46.00	11.54	Peak
6	798.24	37.77	0.43	38.20	46.00	7.80	Peak

Project No.: 2502S54931E-RF

Serial No.: 31QP-1

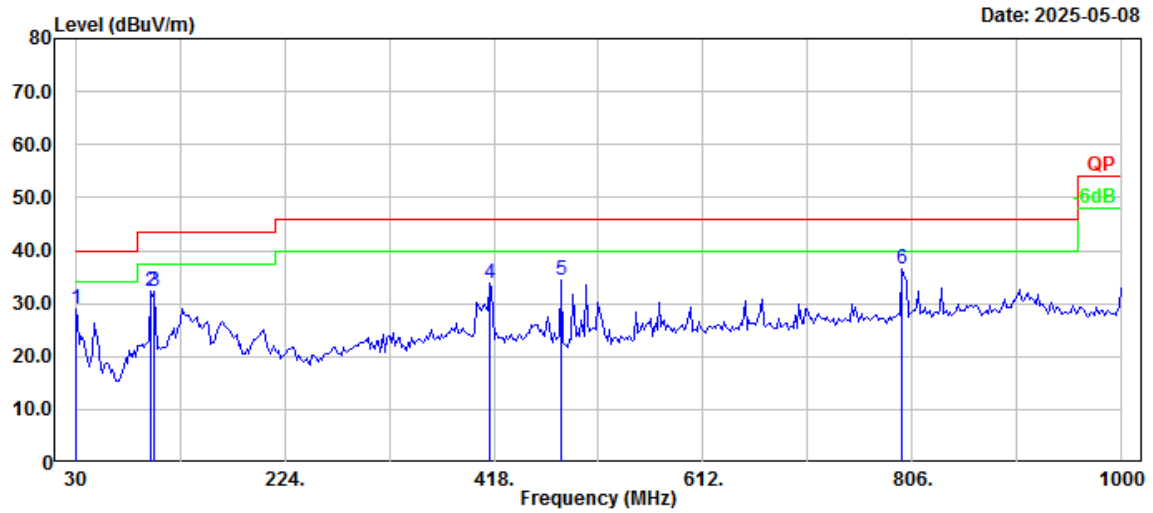
Polarization: Vertical

Tester: Zoo Zou

Test Mode: Transmitting

Note:

RBW:100kHz VBW:300kHz



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	30.00	32.75	-3.80	28.95	40.00	11.05	Peak
2	99.84	46.75	-14.43	32.32	43.50	11.18	Peak
3	103.72	45.55	-13.27	32.28	43.50	11.22	Peak
4	414.12	40.50	-6.63	33.87	46.00	12.13	Peak
5	480.08	39.22	-4.71	34.51	46.00	11.49	Peak
6	796.30	36.23	0.40	36.63	46.00	9.37	Peak

2) 1GHz-40GHz

Serial Number:	31QP-1	Test Date:	2025/6/13~2025/6/17
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Alan Xie, Leo Xiao, Ted Wang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.7~28.0	Relative Humidity: (%)	39~43	ATM Pressure: (kPa)	100.1~101.0
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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	2024/9/5	2025/9/4
R&S	Spectrum Analyzer	FSV40	101944	2024/9/6	2025/9/5
Audix	Test Software	E3	191218 V9	N/A	N/A
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FCU	DC79902 & DC79905	2024/8/27	2025/8/26

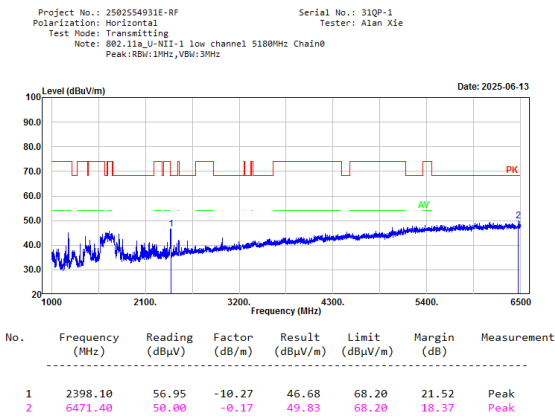
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Please refer to the below table and plots.

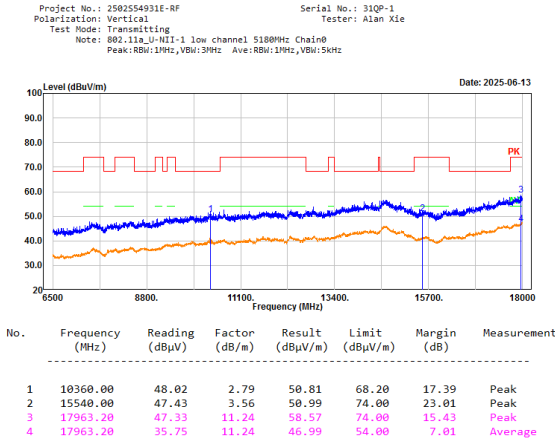
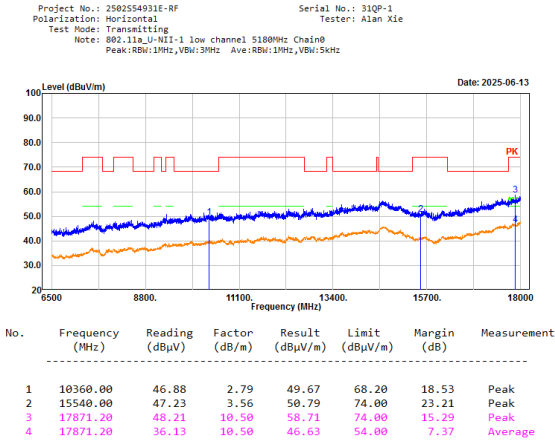
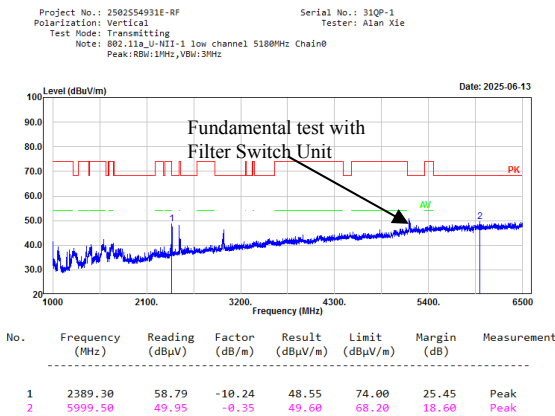
After pre-scan in the X, Y and Z axes of orientation, the worst case is referred to table and plots.

1GHz-18GHz:
5150-5250MHz:

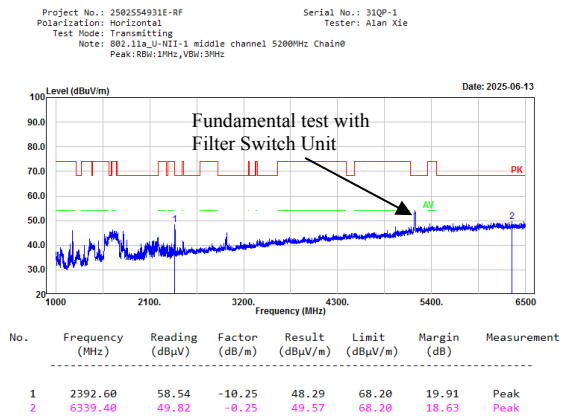
802.11a low channel, 5180MHz, Chain0 Horizontal



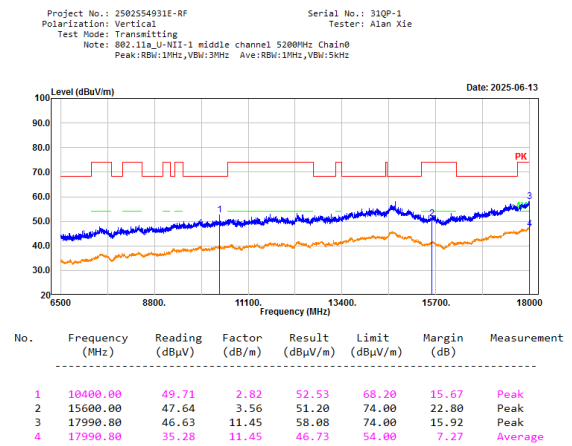
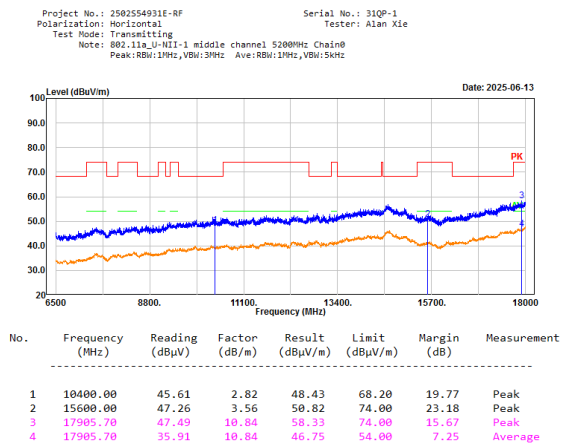
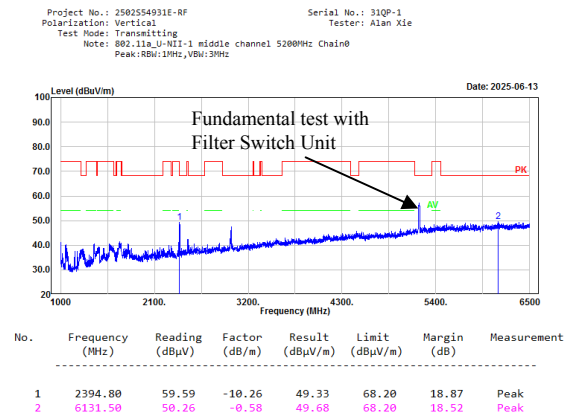
802.11a low channel, 5180MHz, Chain0 Vertical



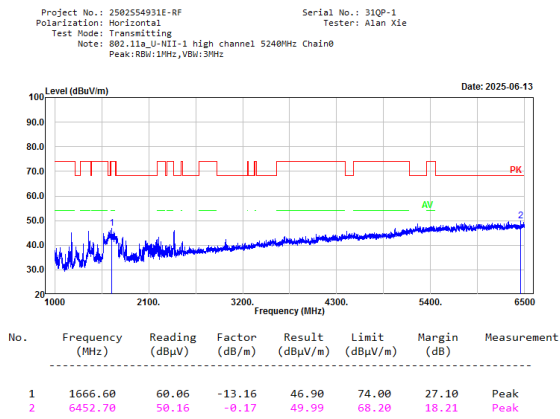
802.11a middle channel, 5200MHz, Chain0 Horizontal



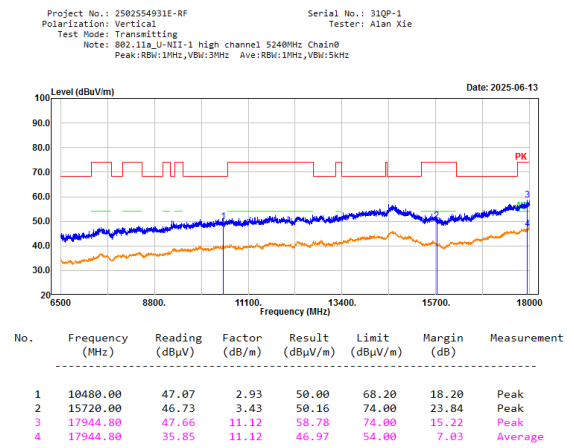
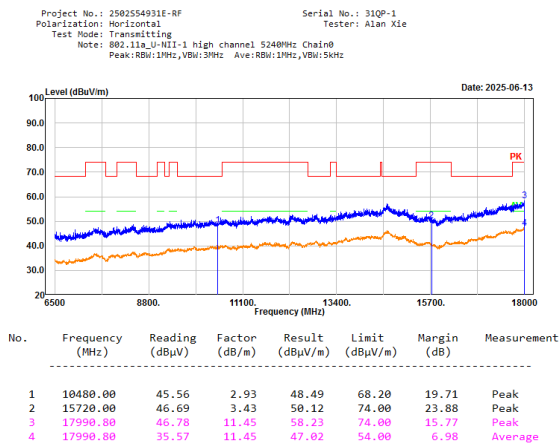
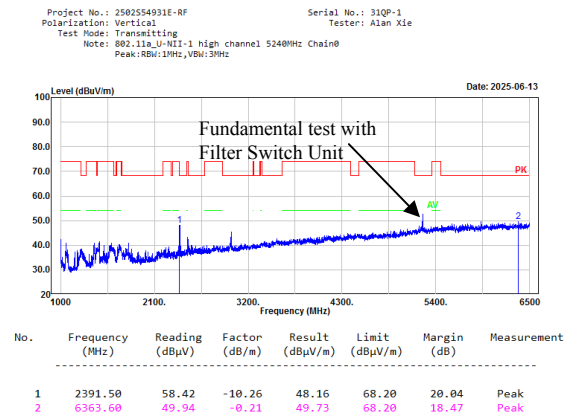
802.11a middle channel, 5200MHz, Chain0 Vertical



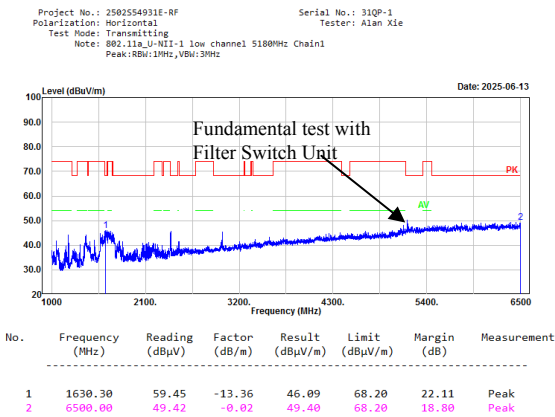
802.11a high channel, 5240MHz, Chain0 Horizontal



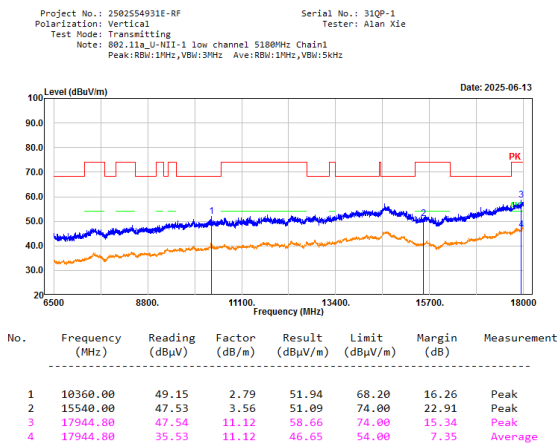
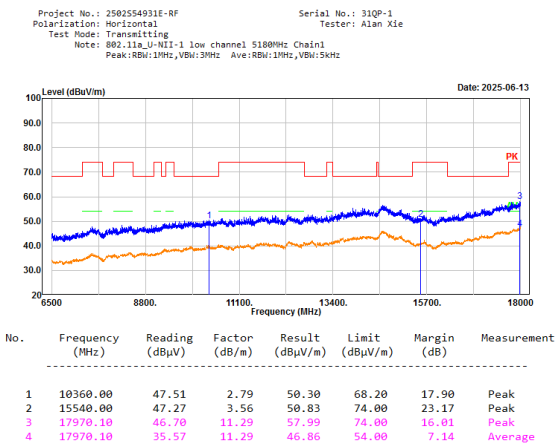
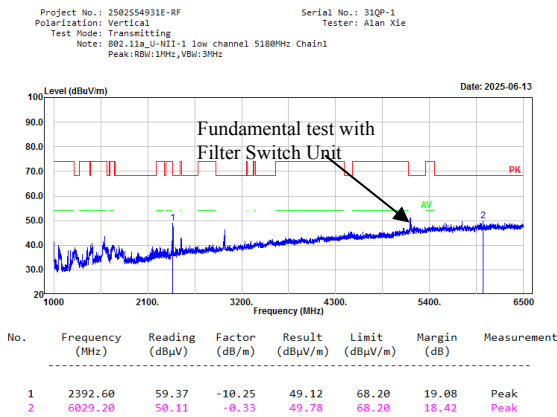
802.11a high channel, 5240MHz, Chain0 Vertical



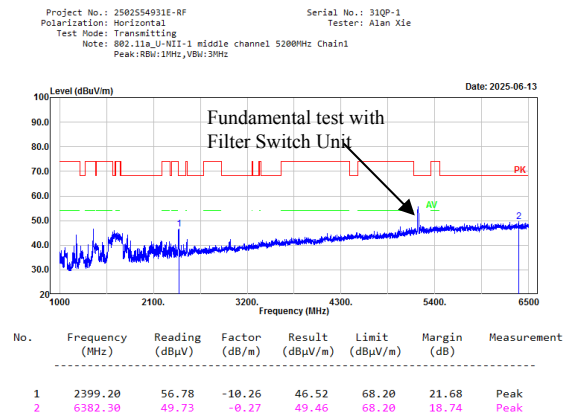
802.11a low channel, 5180MHz, Chain1 Horizontal



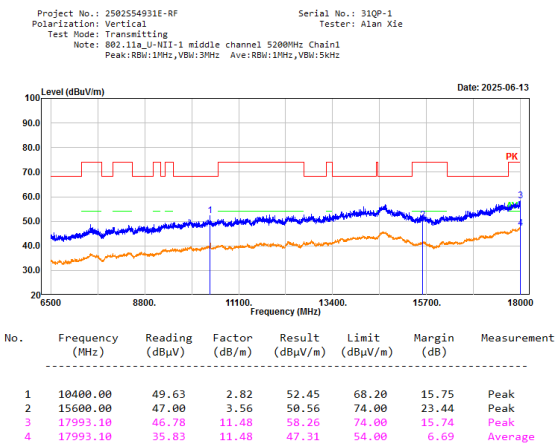
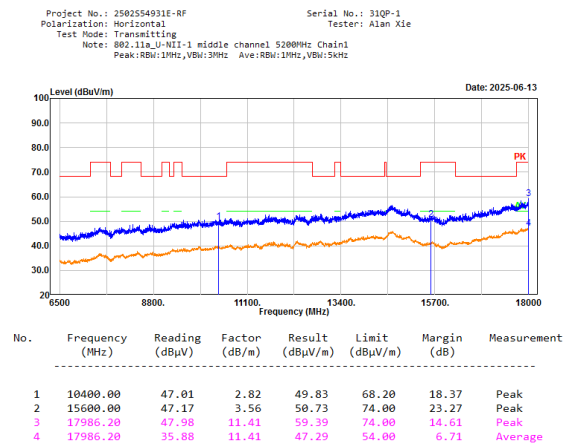
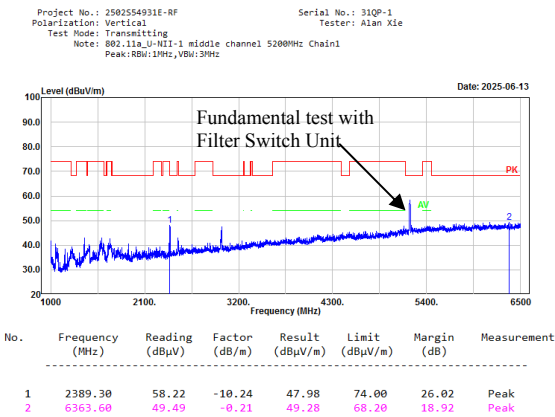
802.11a low channel, 5180MHz, Chain1 Vertical



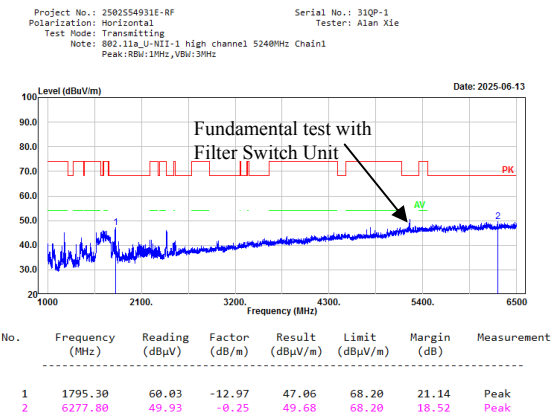
802.11a middle channel, 5200MHz, Chain1 Horizontal



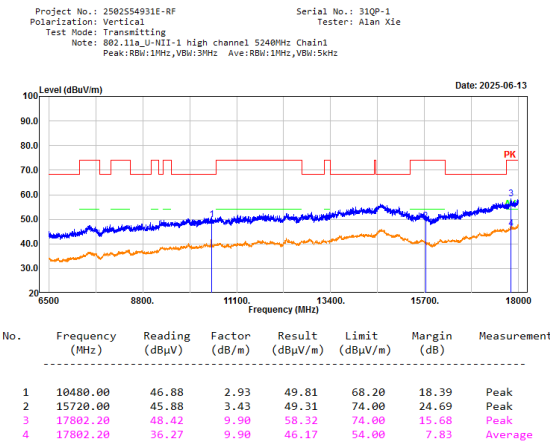
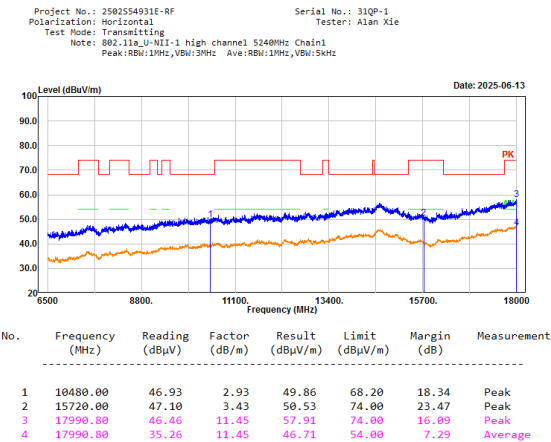
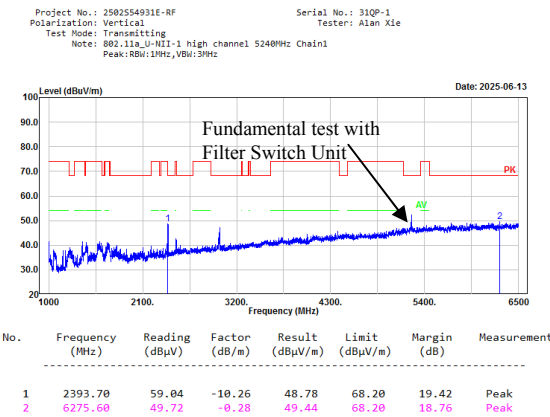
802.11a middle channel, 5200MHz, Chain1 Vertical



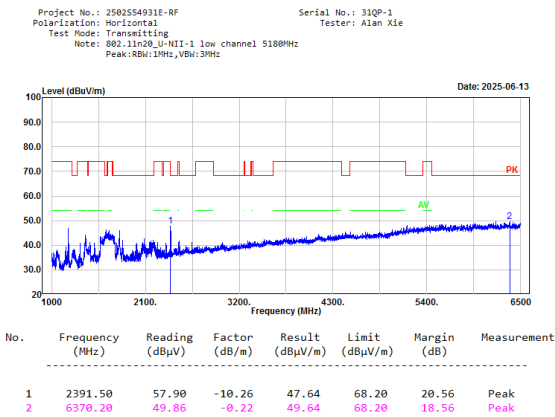
802.11a high channel, 5240MHz, Chain1 Horizontal



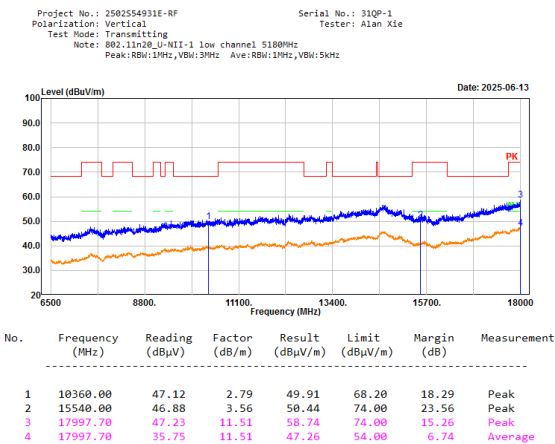
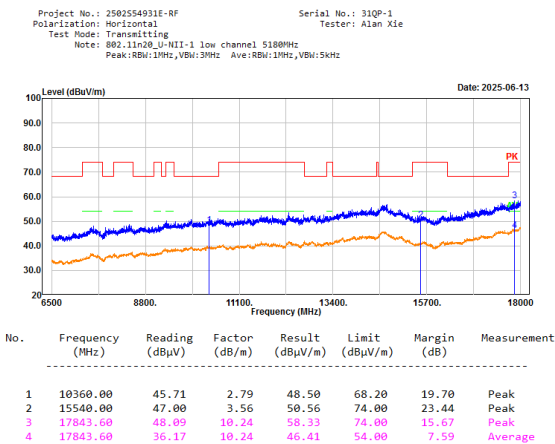
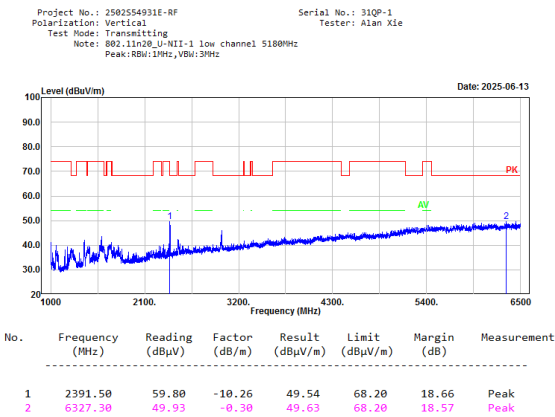
802.11a high channel, 5240MHz, Chain1 Vertical



802.11n ht20 MIMO low channel 5180MHz, Horizontal



802.11n ht20 MIMO low channel, 5180MHz, Vertical



Project No.: 2502S54931E-RF

Serial No.: 31QP-1

Polarization: Horizontal

Tester: Alan Xie

Test Mode: Transmitting

Note: 802.11n20_U-NII-1 middle channel 5200MHz

Peak: RBW:1MHz, VBW:3MHz

Level (dBuV/m)

Frequency (MHz)

Fundamental test with Filter Switch Unit

PK

AV

1000

2100

3200

4300

5400

6500

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	2394.80	57.20	-10.26	46.94	68.20	21.26	Peak
2	6497.80	49.47	-0.04	49.43	68.20	18.77	Peak

Level (dBuV/m)

Frequency (MHz)

Fundamental test with Filter Switch Unit

PK

AV

1000

2100

3200

4300

5400

6500

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	2394.80	58.81	-10.26	48.55	68.20	19.65	Peak
2	6425.20	49.99	-0.18	49.81	68.20	18.39	Peak

Project No.: 2502S54931E-RF

Serial No.: 31QP-1

Polarization: Horizontal

Tester: Alan Xie

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)

PK

AV

6500

8800

11100

13400

15700

18000

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	10400.00	45.97	2.82	48.79	68.20	19.41	Peak
2	15600.00	48.37	3.56	51.93	74.00	22.07	Peak
3	18000.00	46.86	11.52	58.38	74.00	15.62	Peak
4	18000.00	35.68	11.52	47.20	54.00	6.80	Average

Level (dBuV/m)

Frequency (MHz)

PK

AV

6500

8800

11100

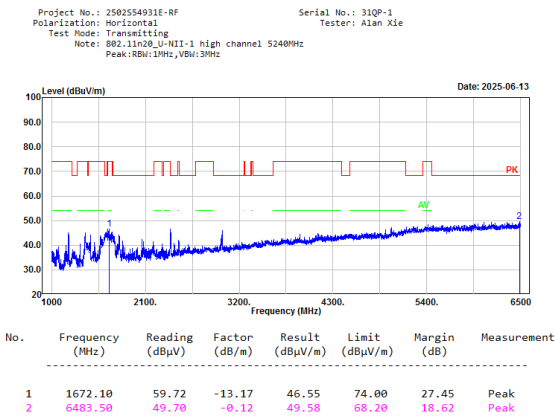
13400

15700

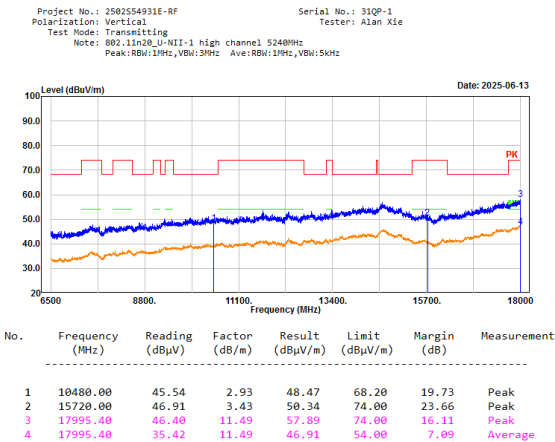
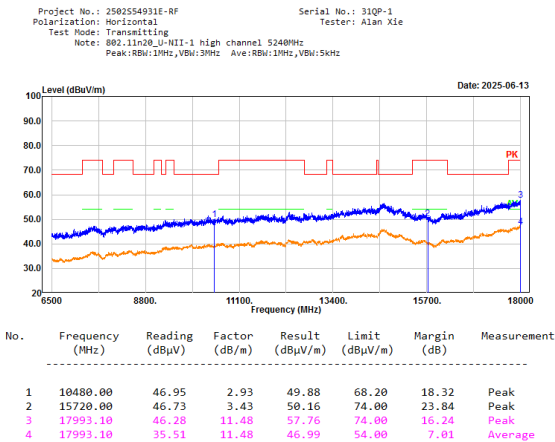
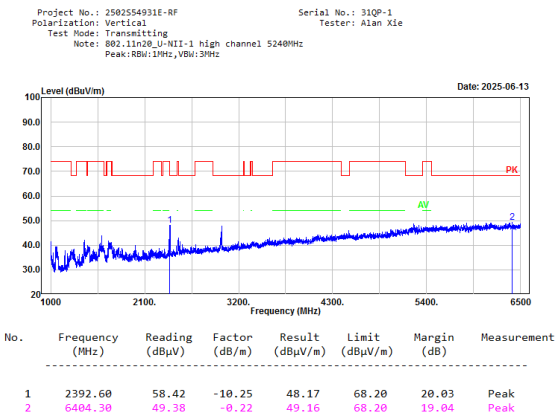
18000

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	10400.00	46.06	2.82	48.88	68.20	19.32	Peak
2	15600.00	48.48	3.56	52.04	74.00	21.96	Peak
3	17988.50	46.46	11.43	57.89	74.00	16.11	Peak
4	17988.50	35.56	11.43	46.99	54.00	7.01	Average

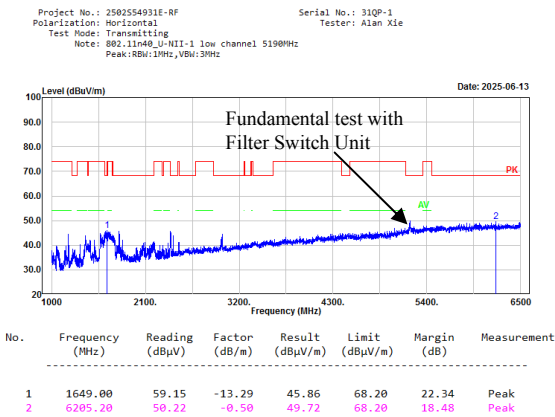
802.11n ht20 MIMO high channel, 5240MHz, Horizontal



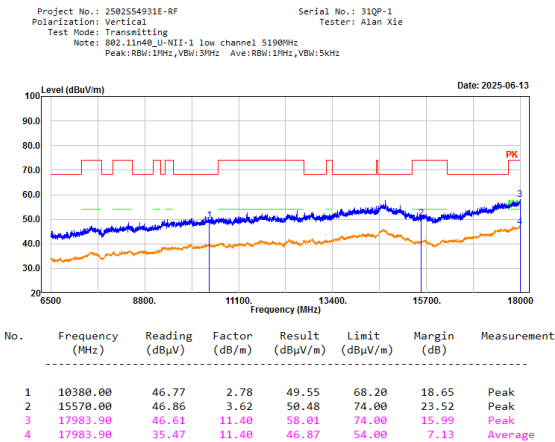
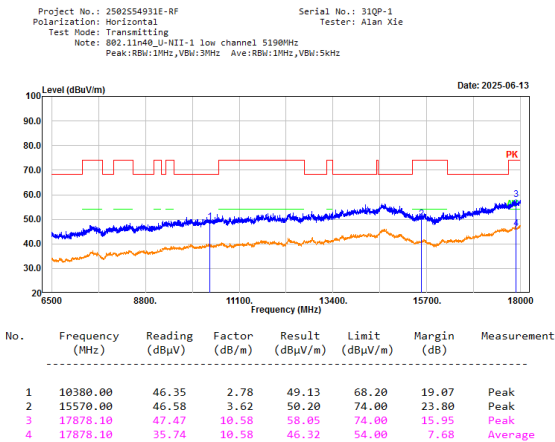
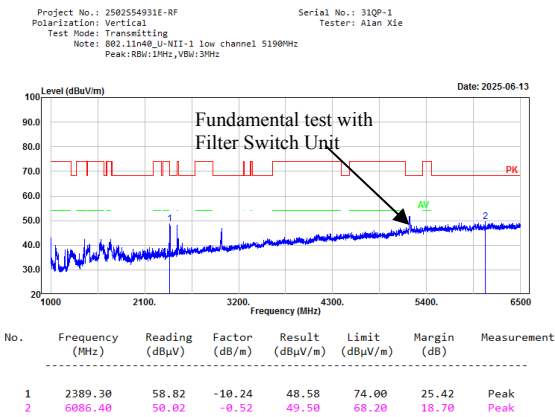
802.11n ht20 MIMO high channel, 5240MHz, Vertical



802.11n ht40 MIMO Low Channel, 5190MHz, Horizontal



802.11n ht40 MIMO Low Channel, 5190MHz, Vertical

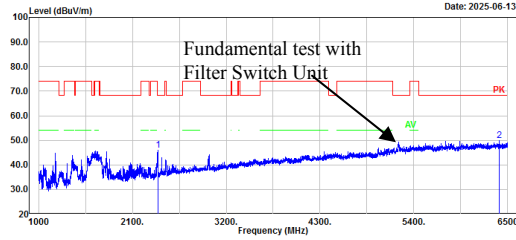


802.11n ht40 MIMO high channel, 5230MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 high channel 5230MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13



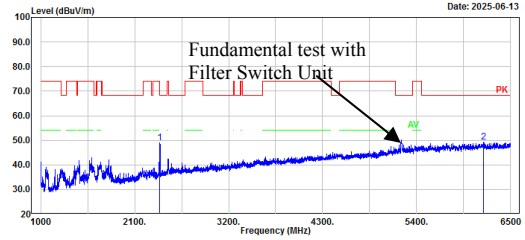
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2397.00	56.31	-10.26	46.05	68.20	22.15	Peak
2	6404.30	50.05	-0.22	49.83	68.20	18.37	Peak

802.11n ht40 MIMO high channel, 5230MHz, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 high channel 5230MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

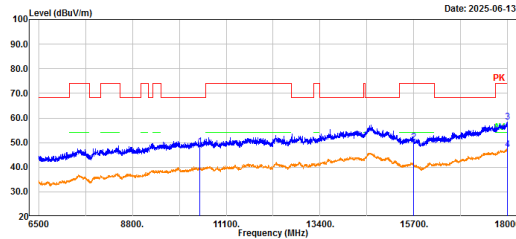


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2394.80	59.18	-10.26	48.92	68.20	19.28	Peak
2	6182.10	49.57	-0.41	49.16	68.20	19.04	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 high channel 5230MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

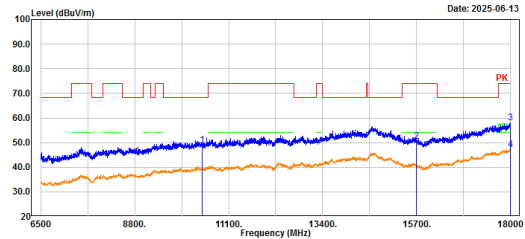


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	45.33	2.92	48.25	68.20	19.95	Peak
2	15690.00	46.68	3.45	50.13	74.00	23.87	Peak
3	17995.40	46.84	11.49	58.33	74.00	15.67	Peak
4	17995.40	35.63	11.49	47.12	54.00	6.88	Average

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 high channel 5230MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

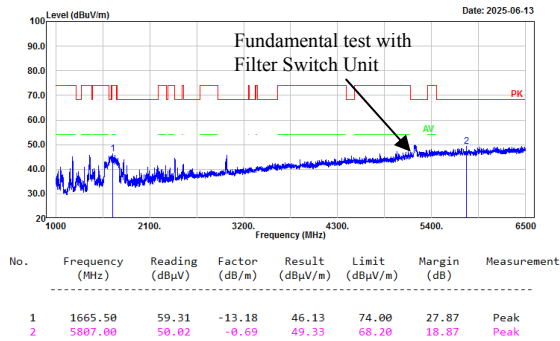


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	46.09	2.92	49.01	68.20	19.19	Peak
2	15690.00	46.92	3.45	50.37	74.00	23.63	Peak
3	17988.50	46.61	11.43	58.04	74.00	15.96	Peak
4	17988.50	35.62	11.43	47.05	54.00	6.95	Average

802.11ac vht80 MIMO middle channel, 5210MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:30Hz

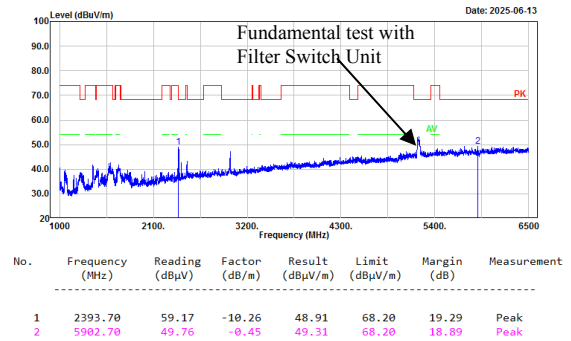
Serial No.: 31QP-1
Tester: Alan Xie



802.11ac vht80 MIMO middle channel, 5210MHz, Vertical

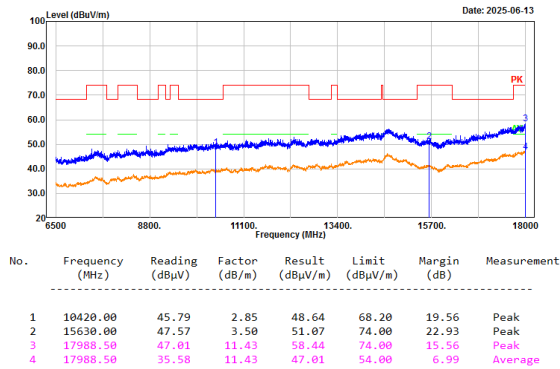
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 31QP-1
Tester: Alan Xie



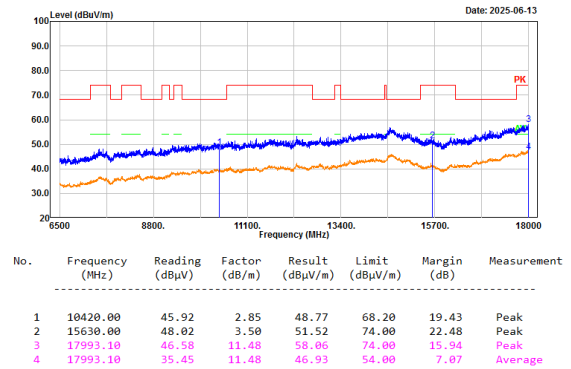
Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie



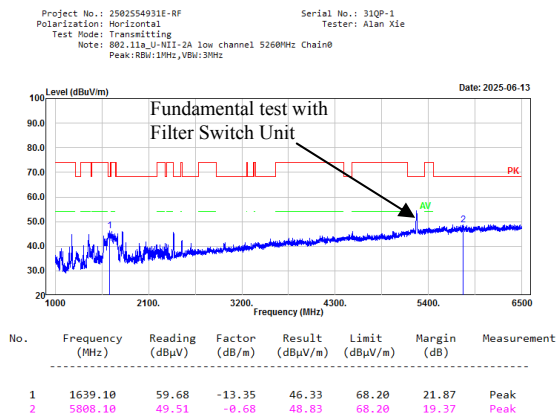
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:30Hz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

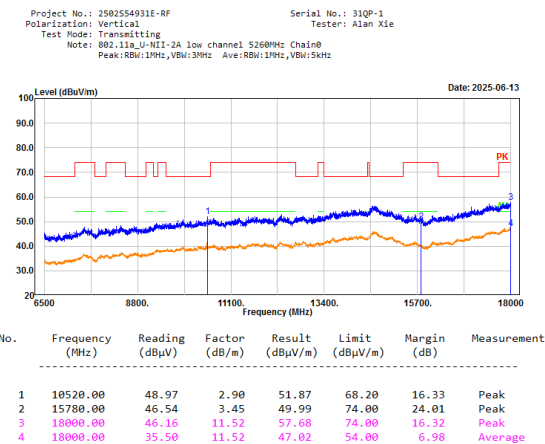
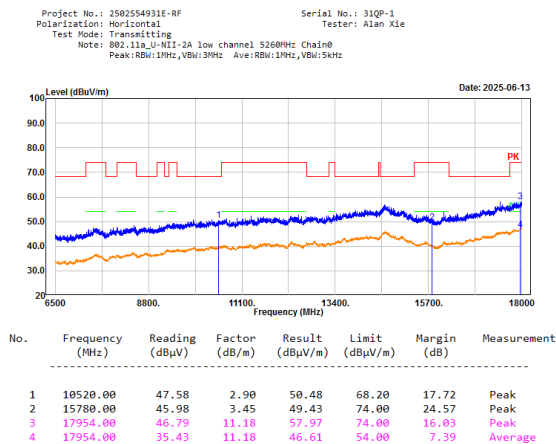
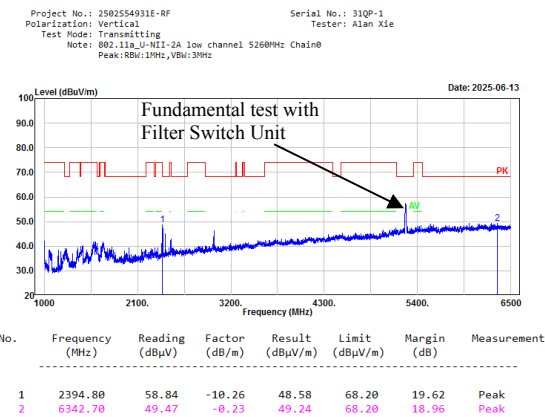


5250-5350MHz:

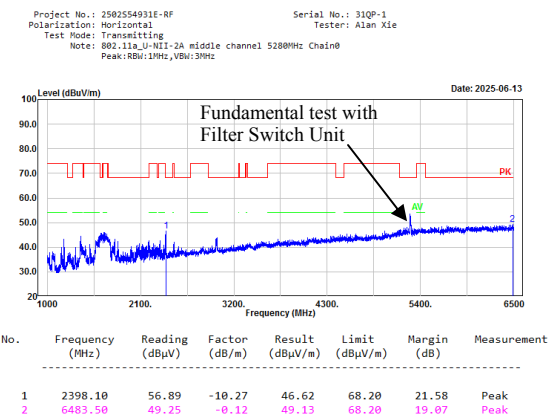
802.11a, Low Channel, 5260MHz, Chain0, Horizontal



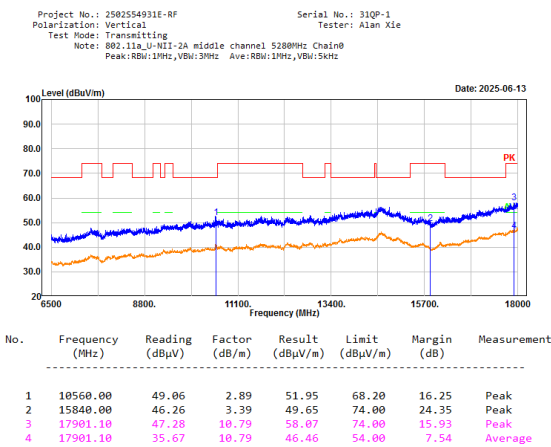
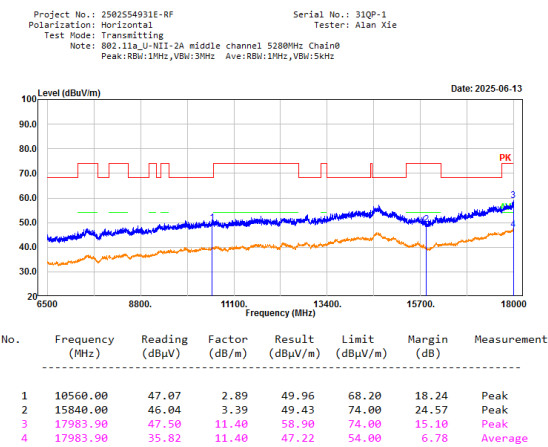
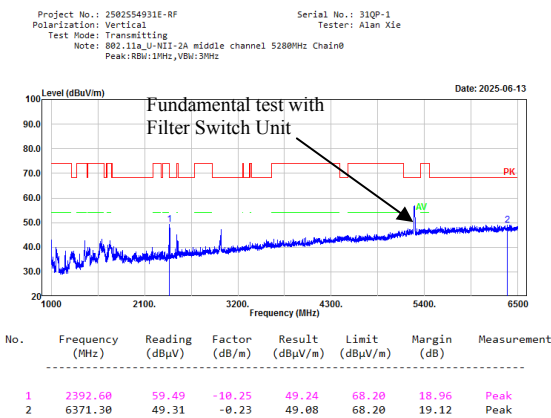
802.11a, Low Channel, 5260MHz, Chain0, Vertical



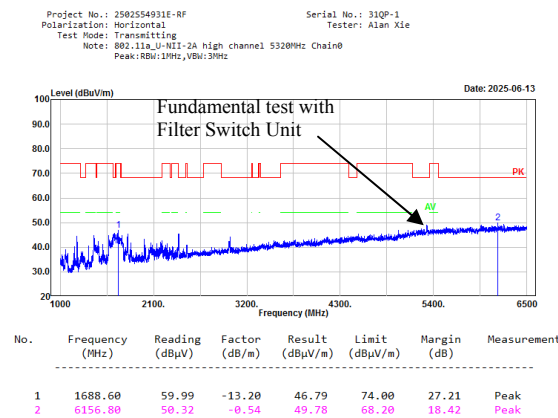
802.11a, Middle Channel, 5280MHz, Chain0, Horizontal



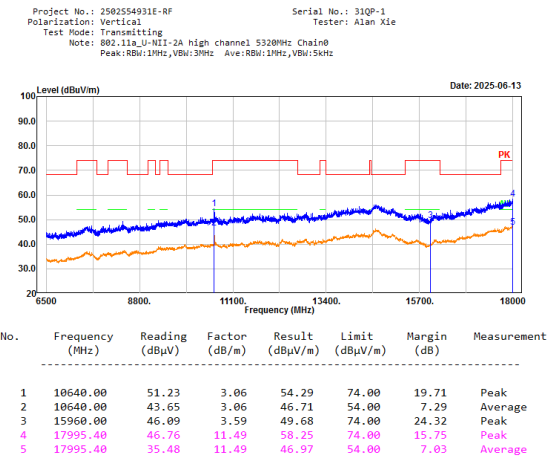
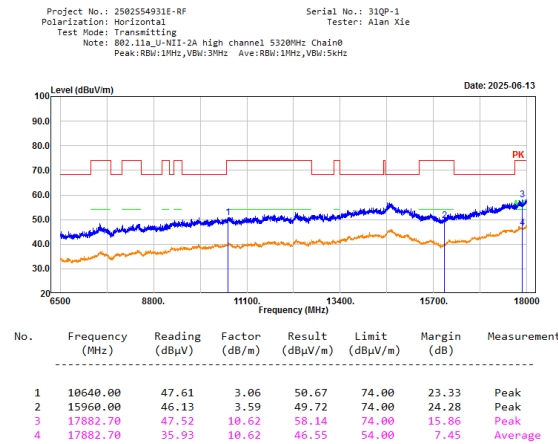
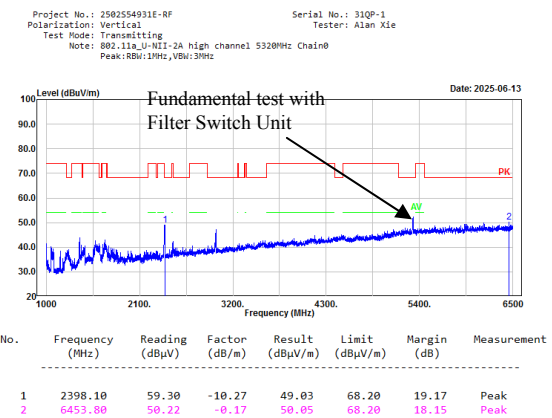
802.11a, Middle Channel, 5280MHz, Chain0, Vertical



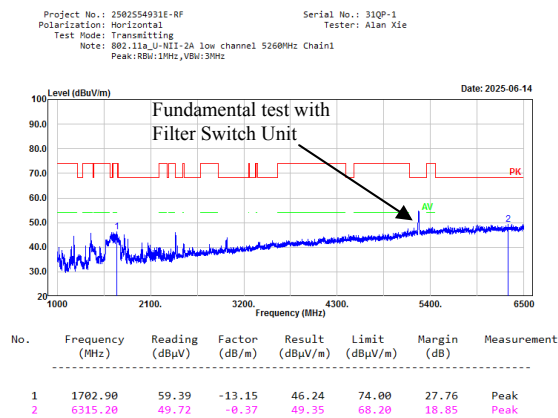
802.11a, High Channel, 5320MHz, Chain0, Horizontal



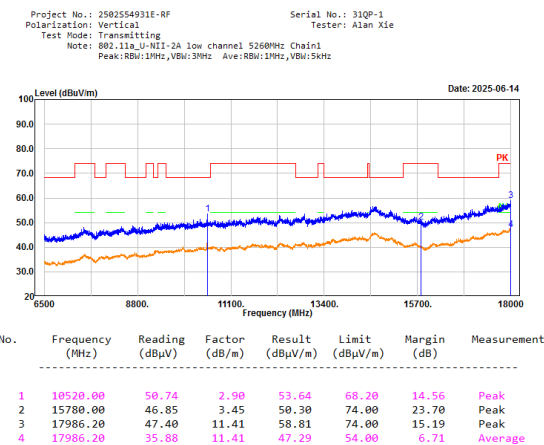
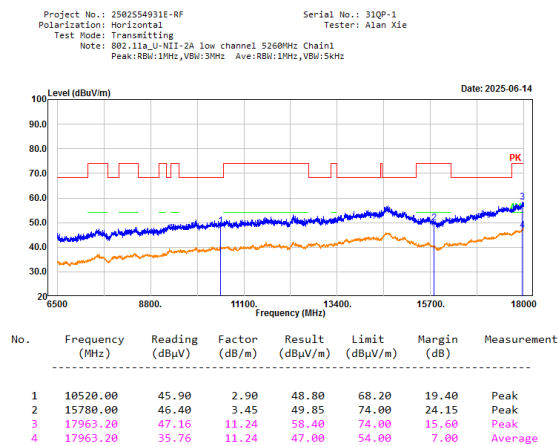
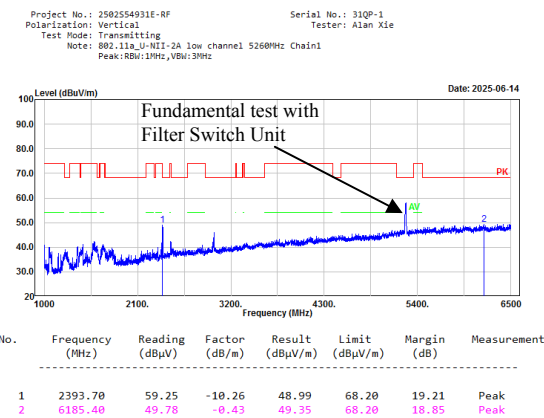
802.11a, High Channel, 5320MHz, Chain0, Vertical



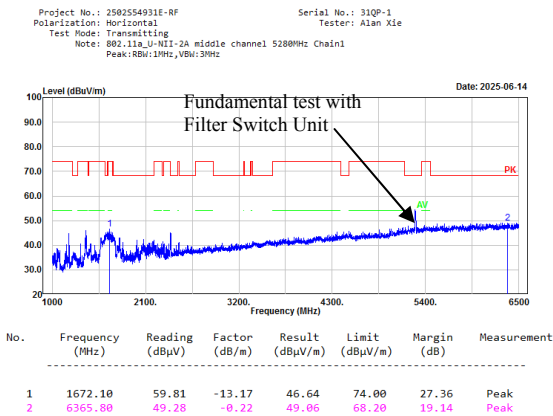
802.11a, Low Channel, 5260MHz, Chain1, Horizontal



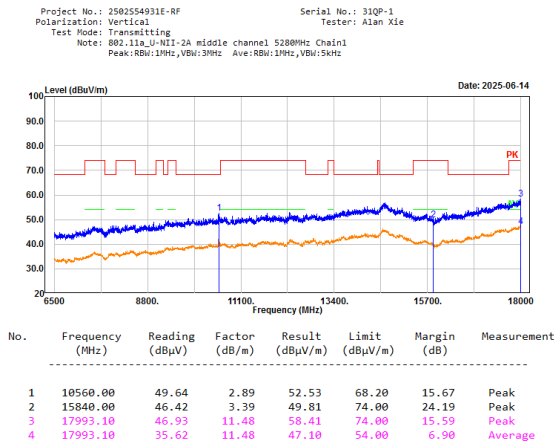
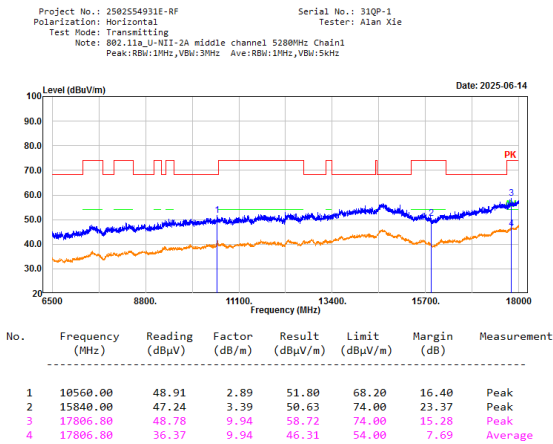
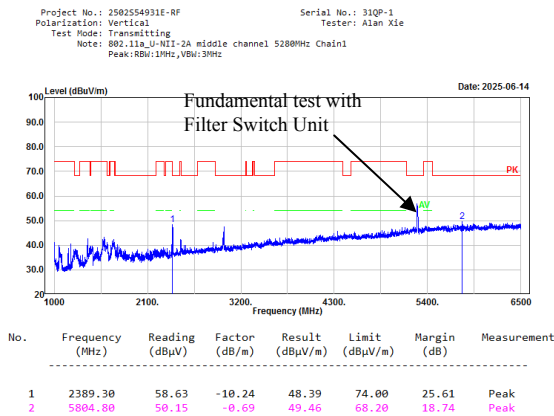
802.11a, Low Channel, 5260MHz, Chain1, Vertical



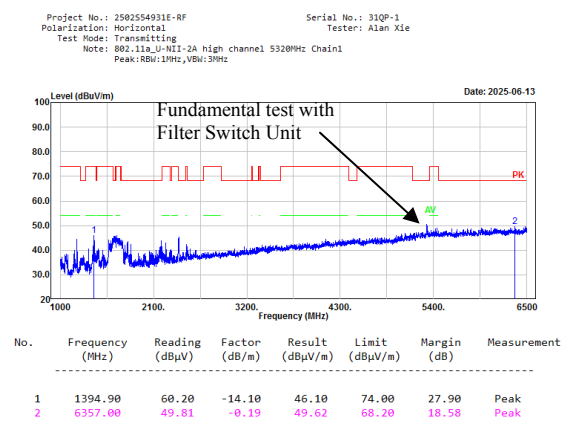
802.11a, Middle Channel, 5280MHz, Chain1, Horizontal



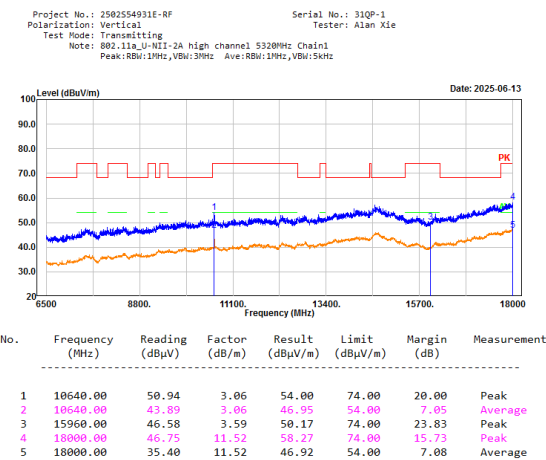
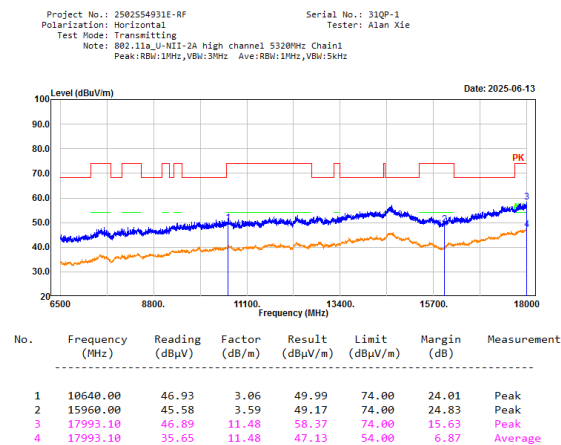
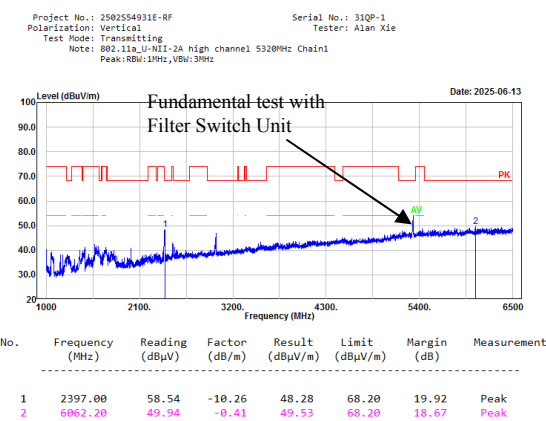
802.11a, Middle Channel, 5280MHz, Chain1, Vertical



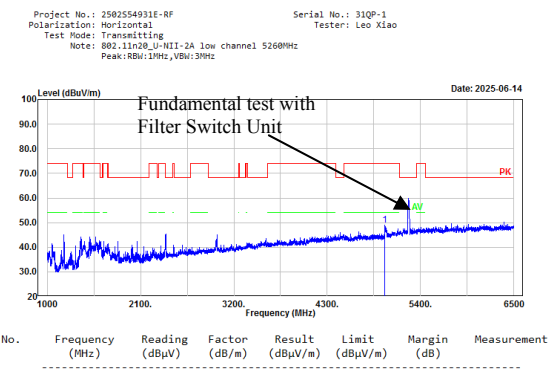
802.11a, High Channel, 5320MHz, Chain1, Horizontal



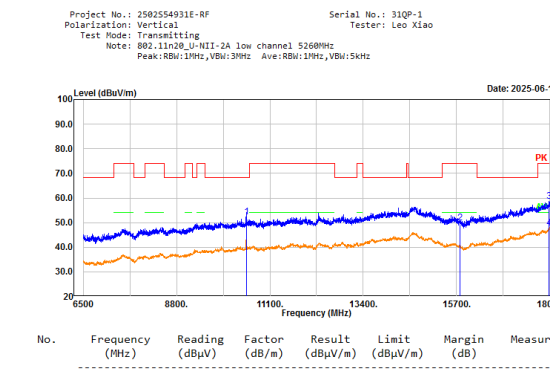
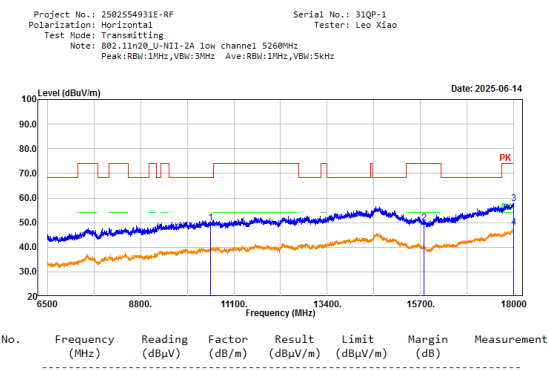
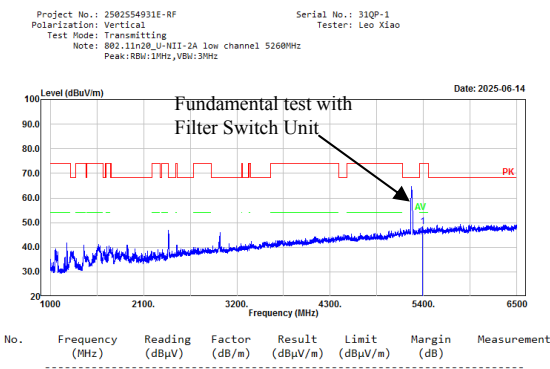
802.11a, High Channel, 5320MHz, Chain1, Vertical



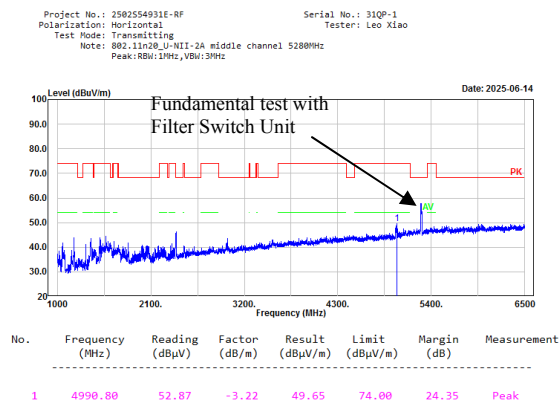
802.11n ht20 MIMO, Low Channel, 5260MHz, Horizontal



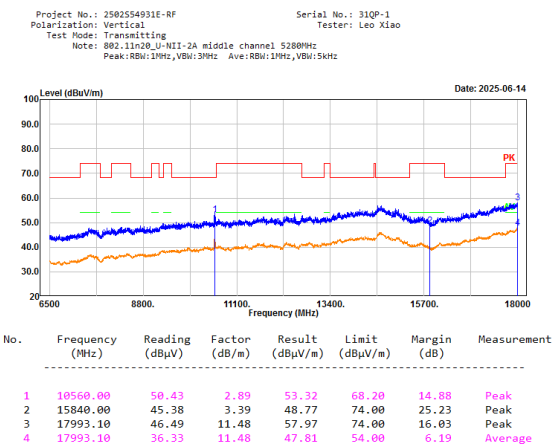
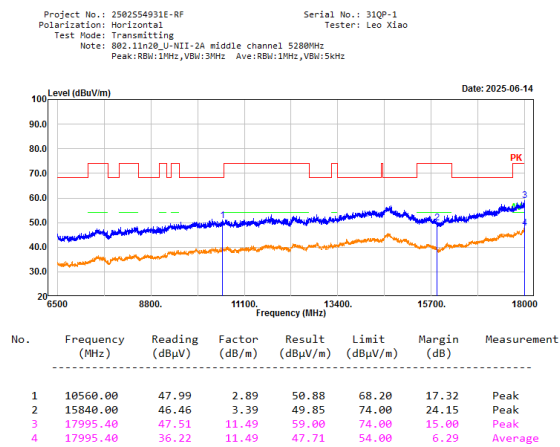
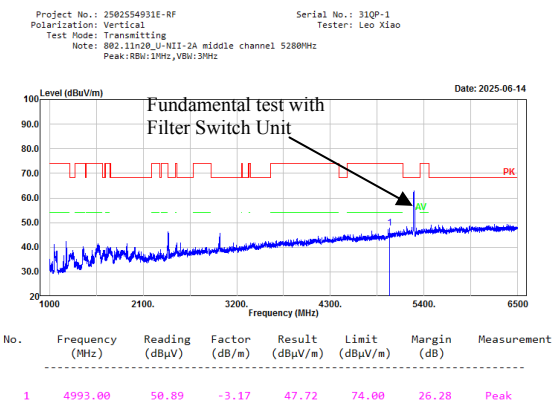
802.11n ht20 MIMO, Low Channel, 5260MHz, Vertical



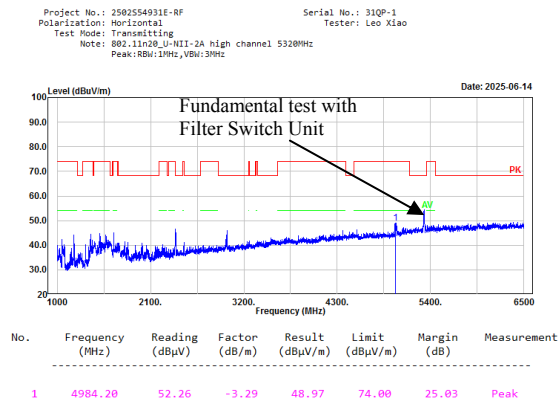
802.11n ht20 MIMO, Middle Channel, 5280MHz, Horizontal



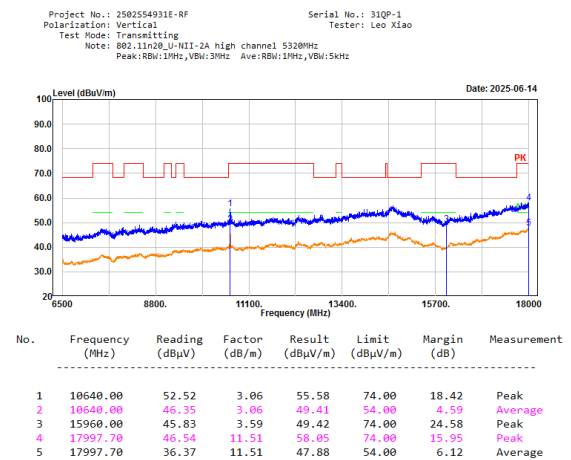
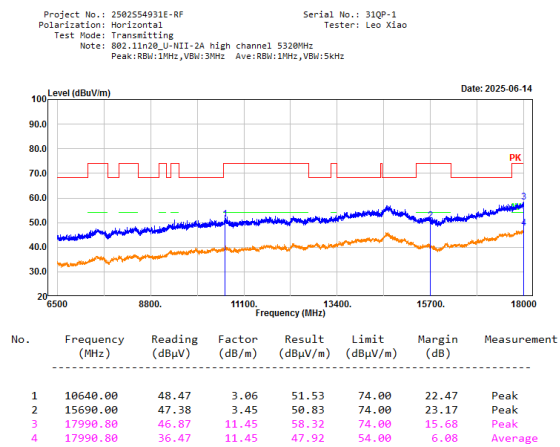
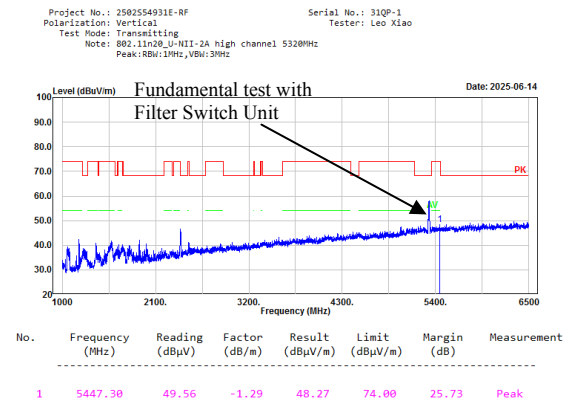
802.11n ht20 MIMO, Middle Channel, 5280MHz, Vertical



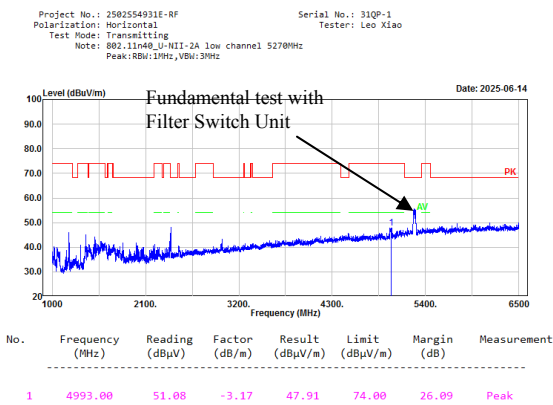
802.11n ht20 MIMO, High Channel, 5320MHz, Horizontal



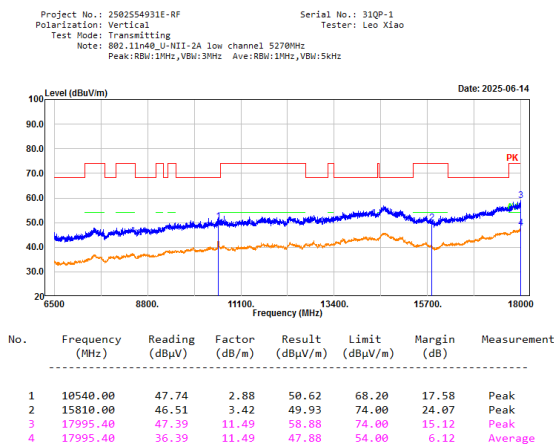
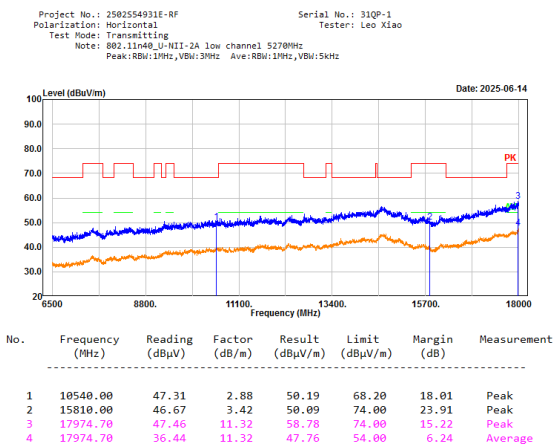
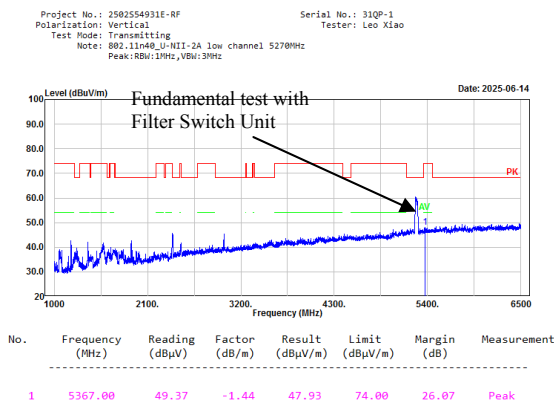
802.11n ht20 MIMO, High Channel, 5320MHz, Vertical



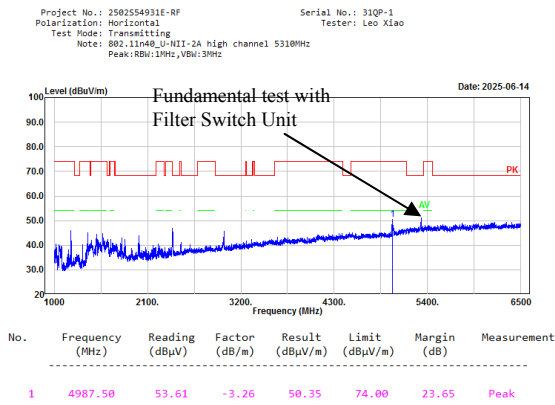
802.11n ht40 MIMO, Low Channel, 5270MHz, Horizontal



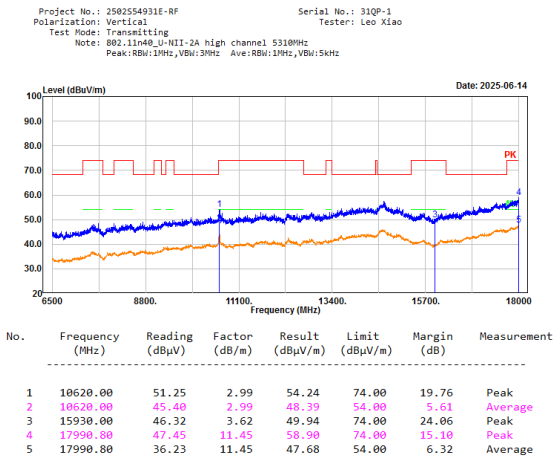
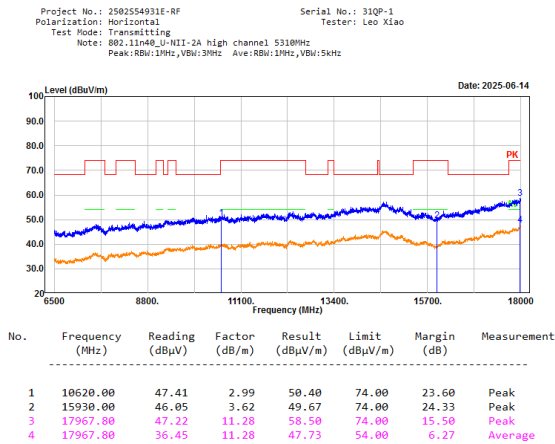
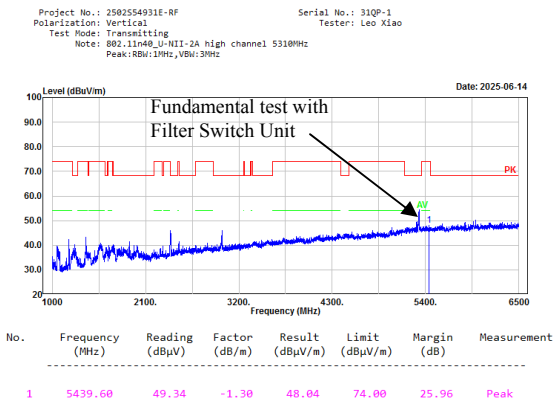
802.11n ht40 MIMO, Low Channel, 5270MHz, Vertical



802.11n ht40 MIMO, High Channel, 5310MHz, Horizontal



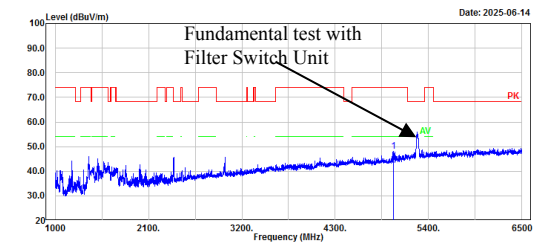
802.11n ht40 MIMO, High Channel, 5310MHz, Vertical



802.11ac vht80 MIMO, Middle Channel, 5290MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Leo Xiao

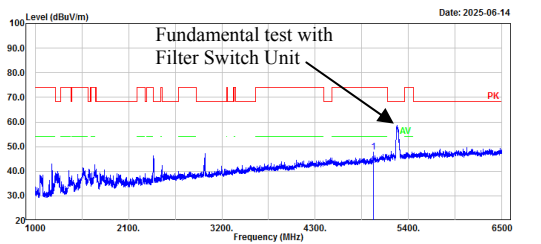


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4982.00	51.30	-3.31	47.99	74.00	26.01	Peak

802.11ac vht80 MIMO, Middle Channel, 5290MHz, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:3MHz

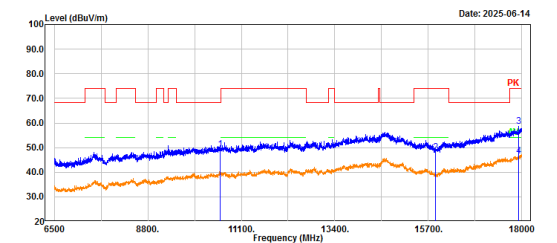
Serial No.: 31QP-1
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4982.00	51.11	-3.31	47.80	74.00	26.20	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

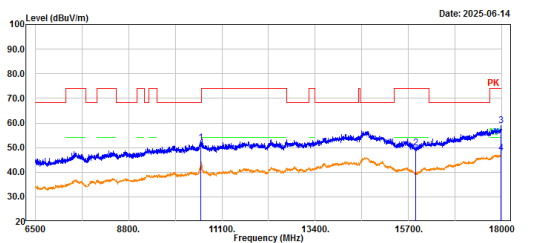
Serial No.: 31QP-1
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10580.00	46.52	2.89	49.41	68.20	18.79	Peak
2	15870.00	44.00	3.41	48.21	74.00	25.79	Peak
3	17924.10	47.59	10.96	58.55	74.00	15.45	Peak
4	17924.10	35.48	10.96	46.44	54.00	7.56	Average

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

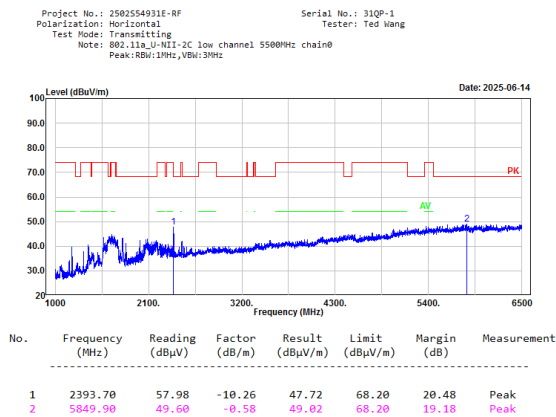
Serial No.: 31QP-1
Tester: Leo Xiao



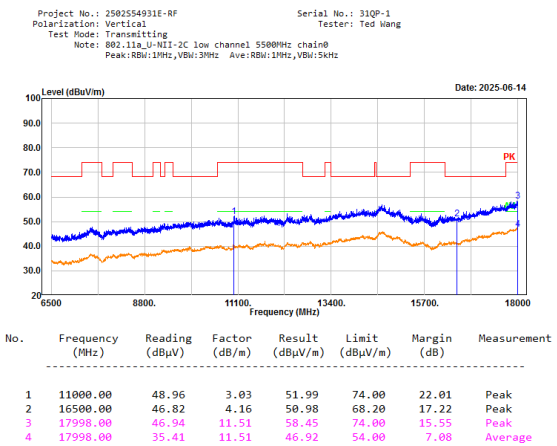
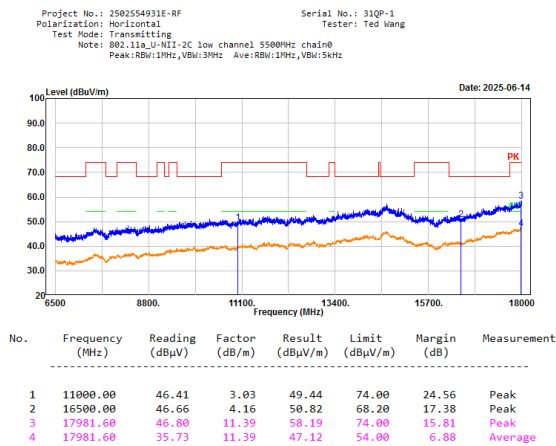
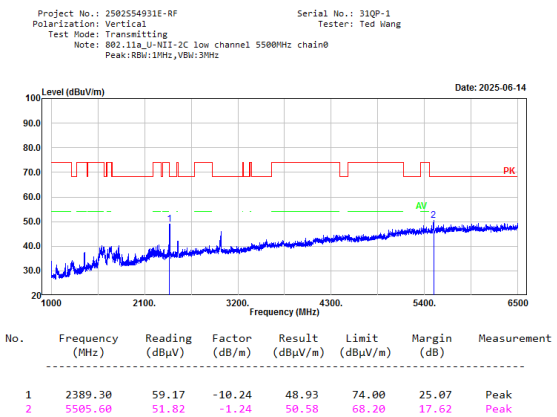
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10580.00	49.20	2.89	52.09	68.20	16.11	Peak
2	15870.00	46.60	3.41	50.01	74.00	23.99	Peak
3	17979.30	47.58	11.37	58.95	74.00	15.05	Peak
4	17979.30	36.29	11.37	47.66	54.00	6.34	Average

5470-5725MHz:

802.11a, Low Channel, 5500MHz, Chain0, Horizontal



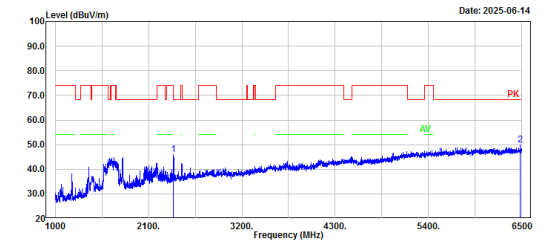
802.11a, Low Channel, 5500MHz, Chain0, Vertical



802.11a, Middle Channel, 5580MHz, Chain0, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-2C middle channel 5580MHz chain0
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 31QP-1
Tester: Ted Wang

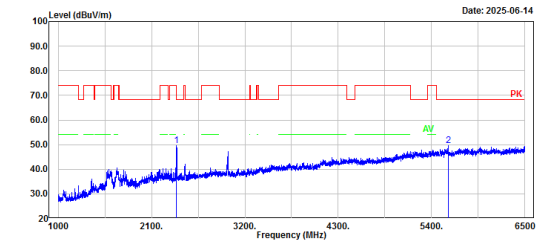


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2392.60	56.27	-10.25	46.02	68.20	22.18	Peak
2	6478.00	50.00	-0.14	49.86	68.20	18.34	Peak

802.11a, Middle Channel, 5580MHz, Chain0, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-2C middle channel 5580MHz chain0
Peak:RBW:1MHz,VBW:3MHz

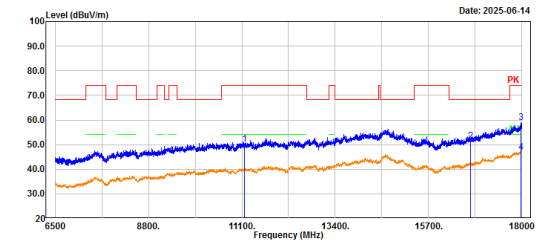
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2394.80	59.70	-10.26	49.44	68.20	18.76	Peak
2	5595.80	50.74	-1.03	49.71	68.20	18.49	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-2C middle channel 5580MHz chain0
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

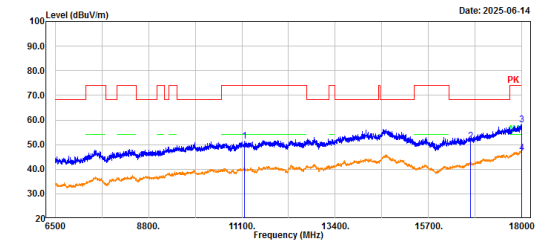
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11160.00	46.78	3.44	50.22	74.00	23.78	Peak
2	16740.00	46.03	5.45	51.48	68.20	16.72	Peak
3	17981.60	47.58	11.39	58.97	74.00	15.03	Peak
4	17981.60	35.48	11.39	46.87	54.00	7.13	Average

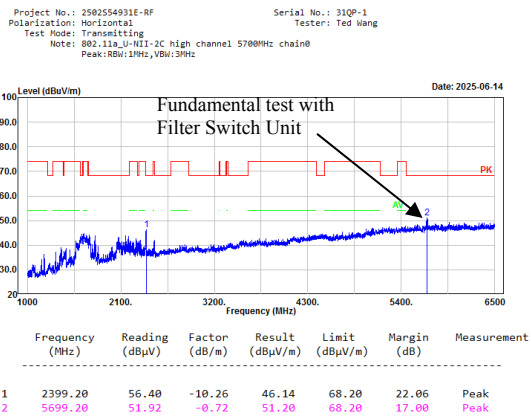
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-2C middle channel 5580MHz chain0
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

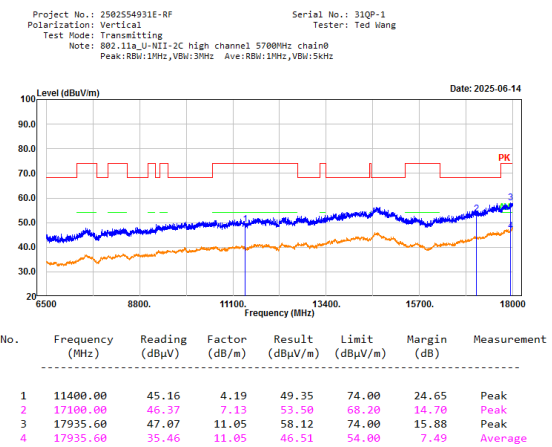
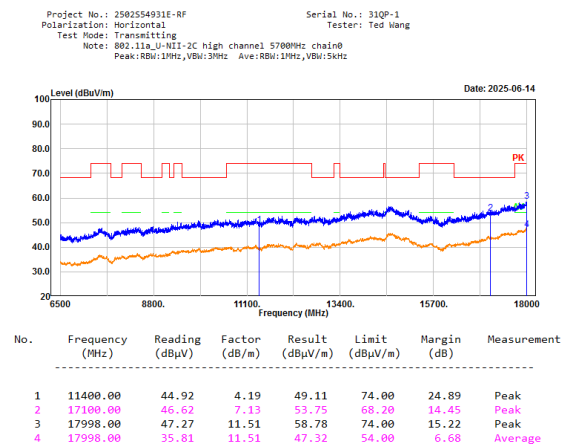
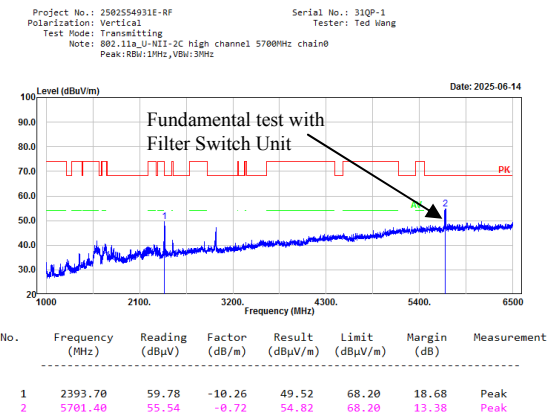


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11160.00	47.96	3.44	51.40	74.00	22.60	Peak
2	16740.00	45.86	5.45	51.31	68.20	16.89	Peak
3	17993.10	46.62	11.48	58.10	74.00	15.90	Peak
4	17993.10	35.20	11.48	46.68	54.00	7.32	Average

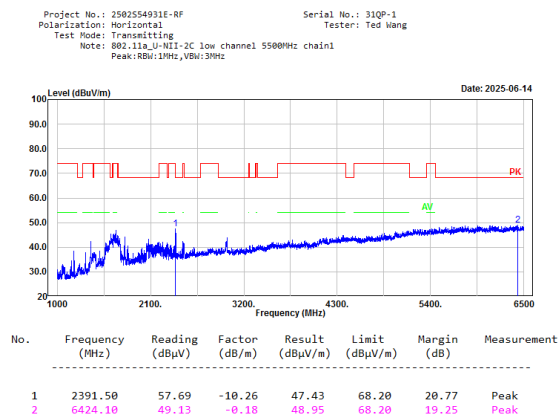
802.11a, High Channel, 5700MHz, Chain0, Horizontal



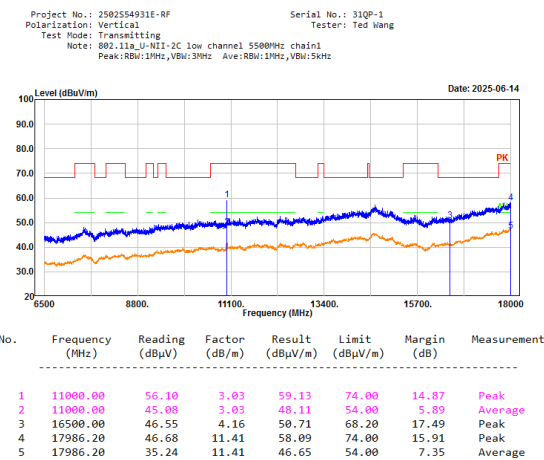
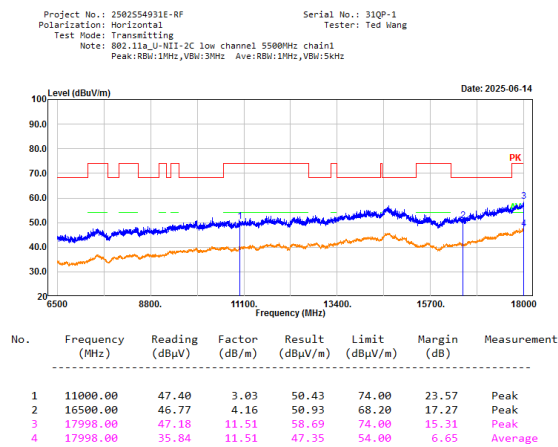
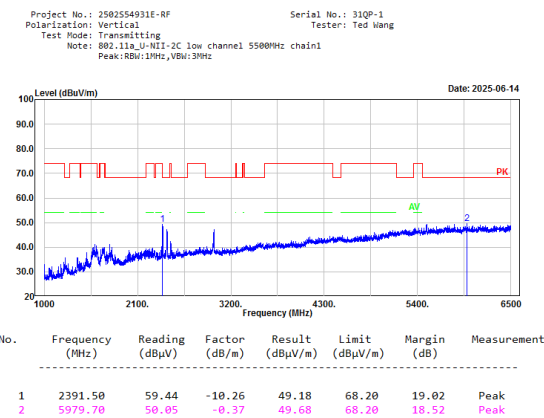
802.11a, High Channel, 5700MHz, Chain0, Vertical



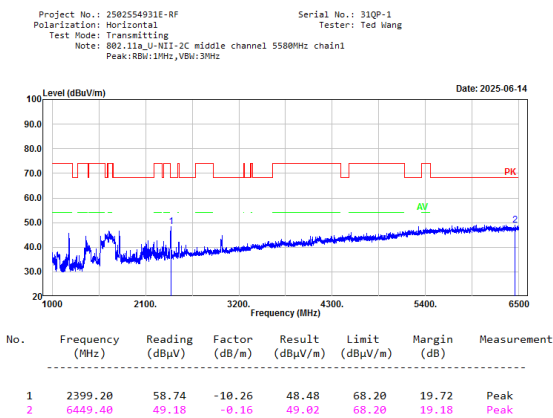
802.11a, Low Channel, 5500MHz, Chain1, Horizontal



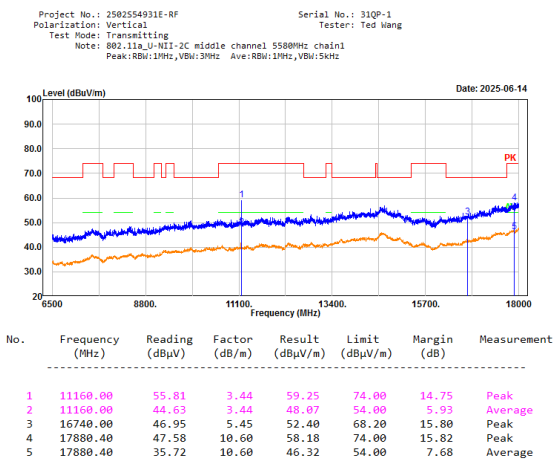
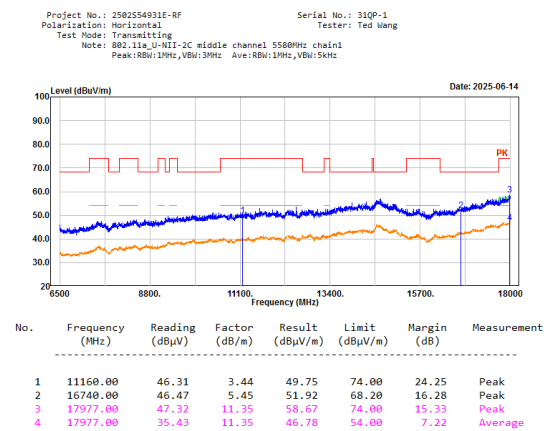
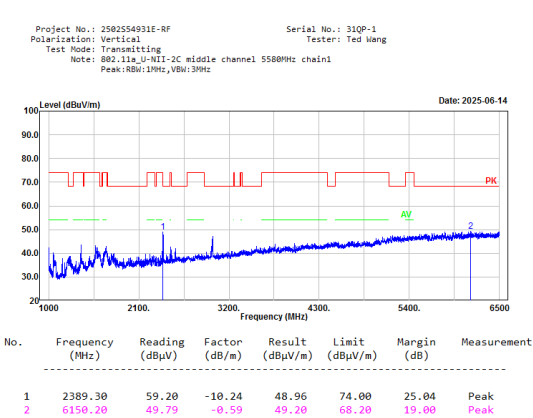
802.11a, Low Channel, 5500MHz, Chain1, Vertical



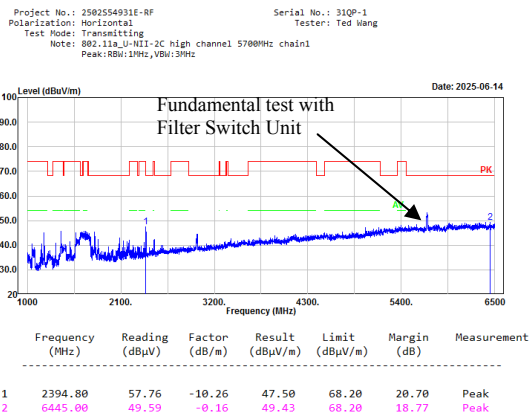
802.11a, Middle Channel, 5580MHz, Chain1, Horizontal



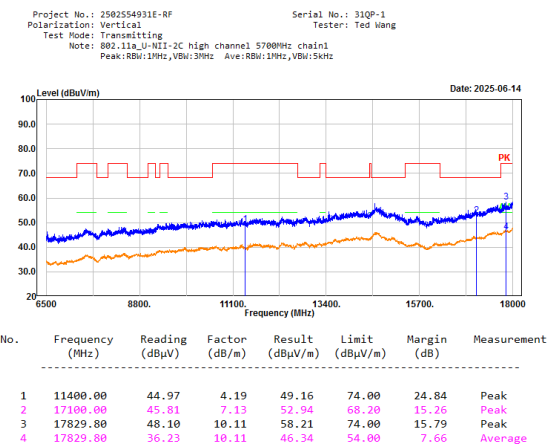
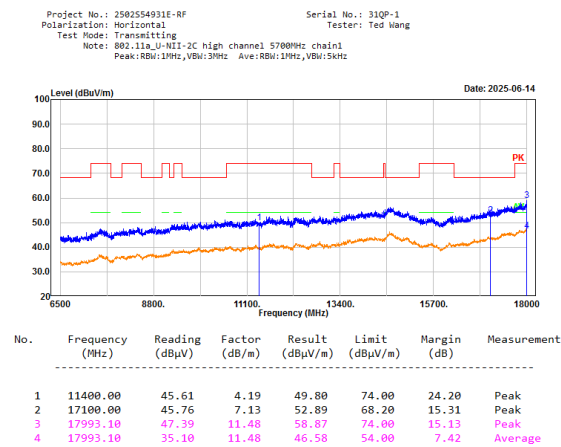
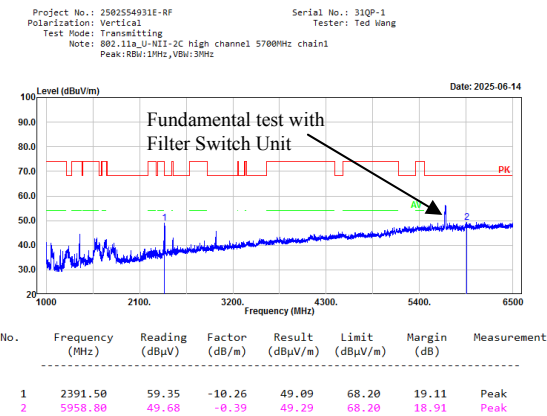
802.11a, Middle Channel, 5580MHz, Chain1, Vertical



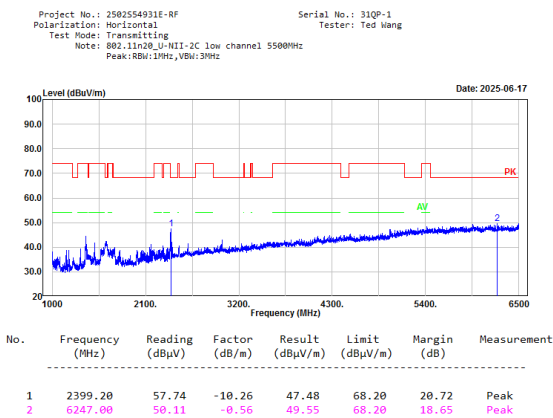
802.11a, High Channel, 5700MHz, Chain1, Horizontal



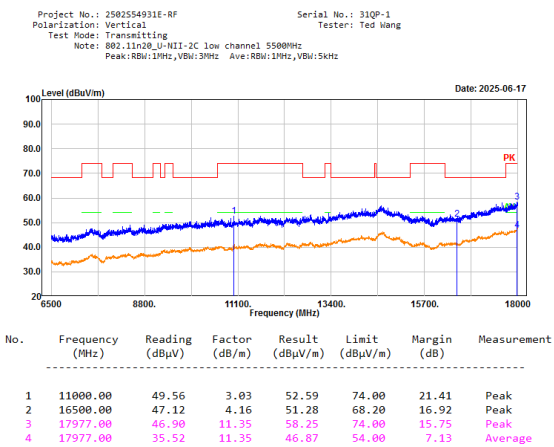
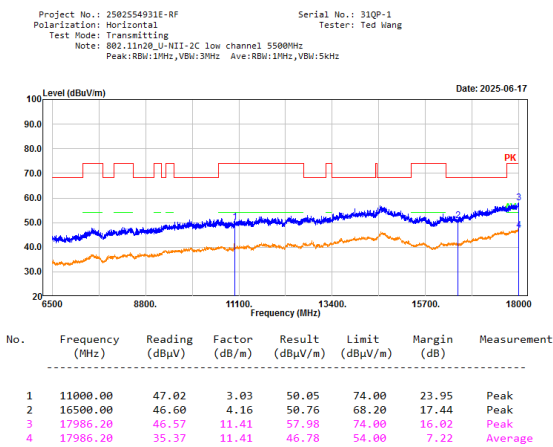
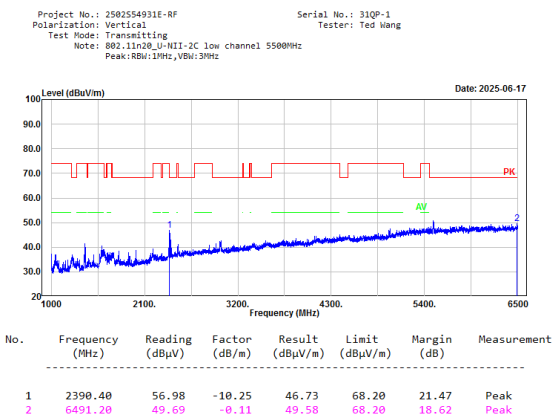
802.11a, High Channel, 5700MHz, Chain1, Vertical



802.11n ht20 MIMO, Low Channel, 5500MHz, Horizontal



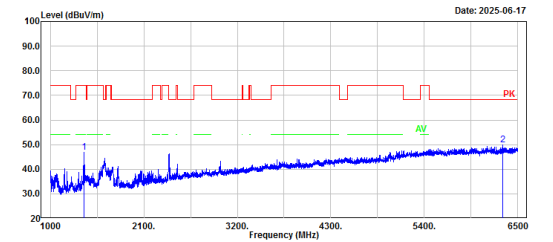
802.11n ht20 MIMO, Low Channel, 5500MHz, Vertical



802.11n ht20 MIMO, Middle Channel, 5580MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C middle channel 5580MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Ted Wang

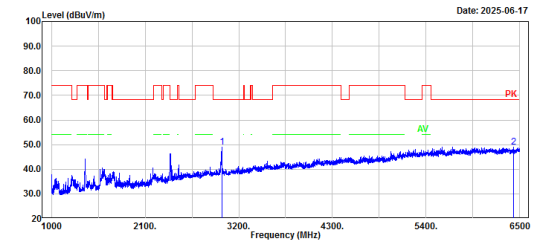


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	1398.20	60.96	-14.09	46.87	74.00	27.13	Peak
2	6319.60	50.10	-0.34	49.76	68.20	18.44	Peak

802.11n ht20 MIMO, Middle Channel, 5580MHz, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C middle channel 5580MHz
Peak: RBW:1MHz, VBW:3MHz

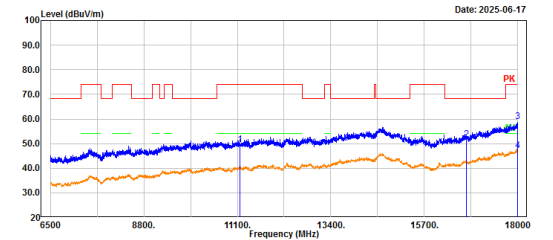
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2999.00	56.66	-7.73	48.93	68.20	19.27	Peak
2	6430.70	49.20	-0.17	49.03	68.20	19.17	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C middle channel 5580MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

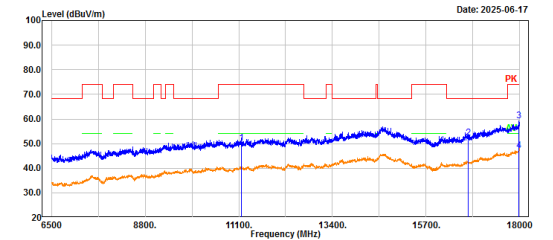
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11160.00	46.02	3.44	49.46	74.00	24.54	Peak
2	16740.00	46.13	5.45	51.58	68.20	16.62	Peak
3	17998.00	47.32	11.51	58.83	74.00	15.17	Peak
4	17998.00	35.61	11.51	47.12	54.00	6.88	Average

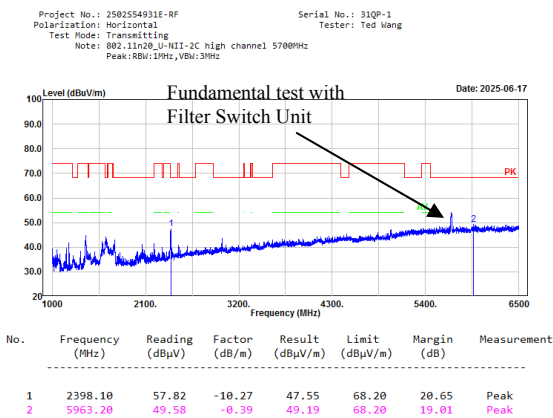
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C middle channel 5580MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

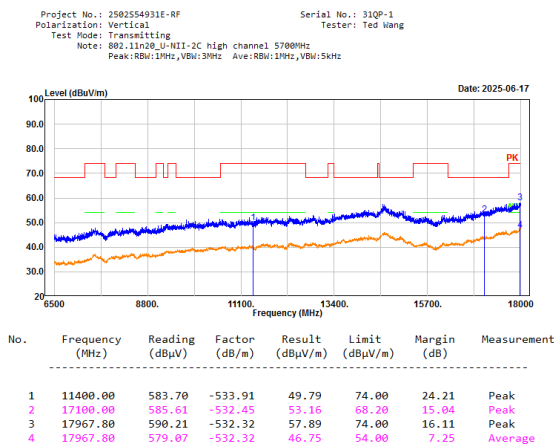
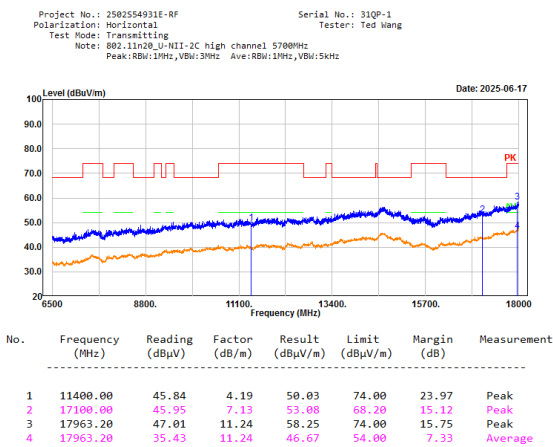
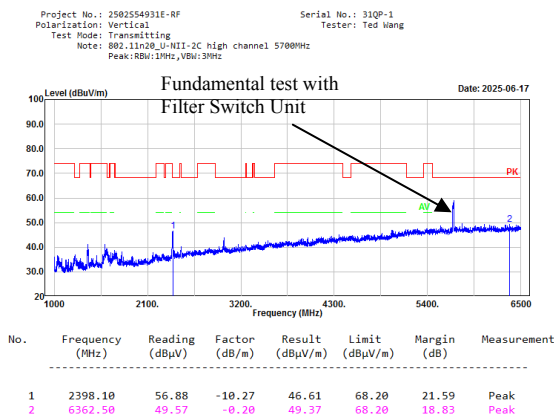


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11160.00	46.78	3.44	50.22	74.00	23.78	Peak
2	16740.00	46.85	5.45	52.30	68.20	15.90	Peak
3	17979.30	47.73	11.37	59.10	74.00	14.90	Peak
4	17979.30	35.91	11.37	47.28	54.00	6.72	Average

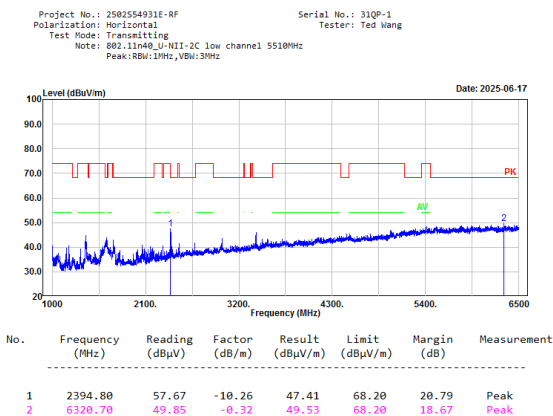
802.11n ht20 MIMO, High Channel, 5700MHz, Horizontal



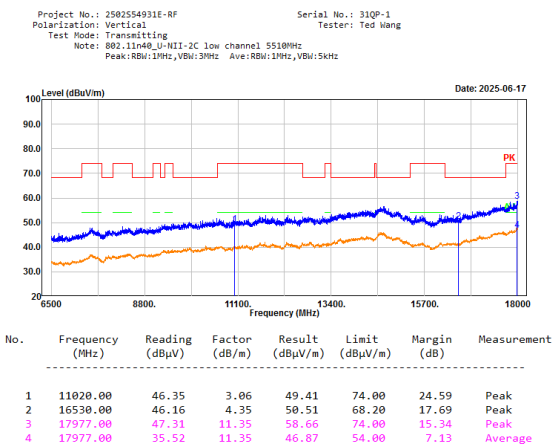
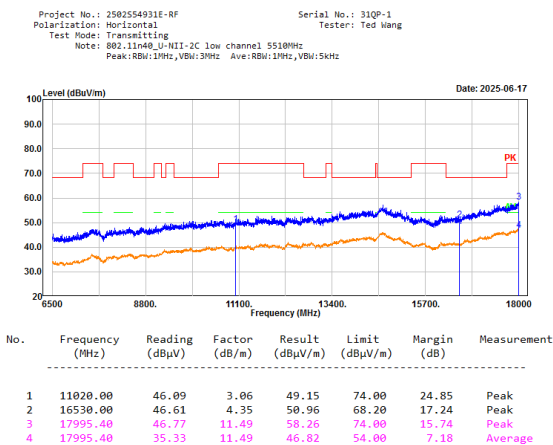
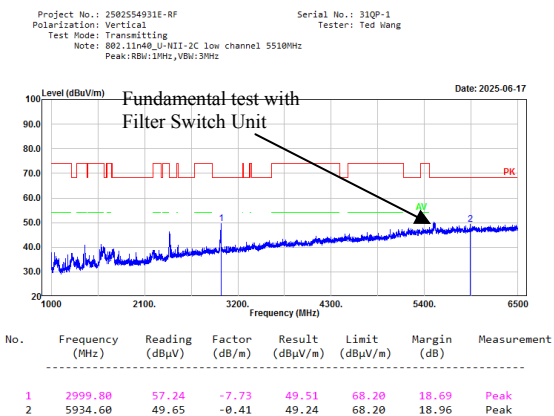
802.11n ht20 MIMO, High Channel, 5700MHz, Vertical



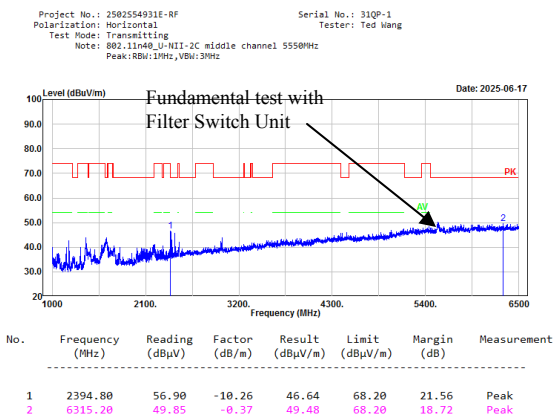
802.11n ht40 MIMO, Low Channel, 5510MHz, Horizontal



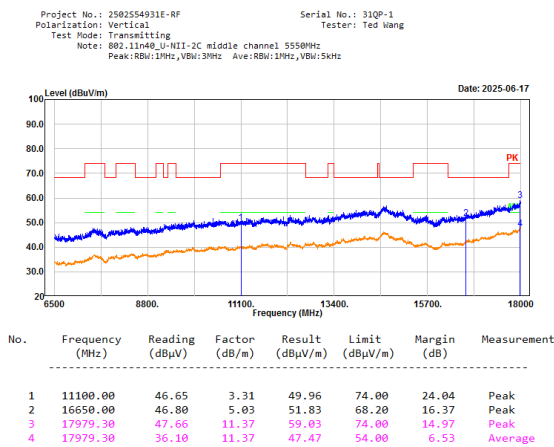
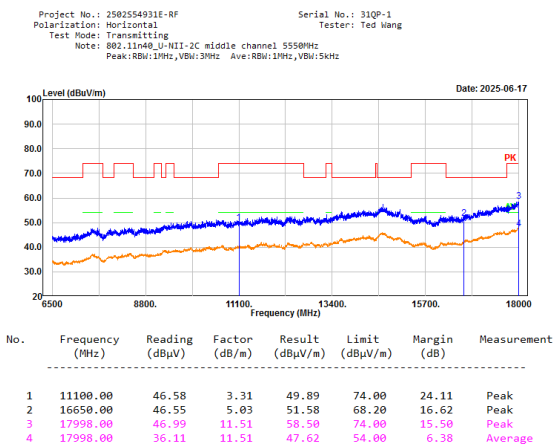
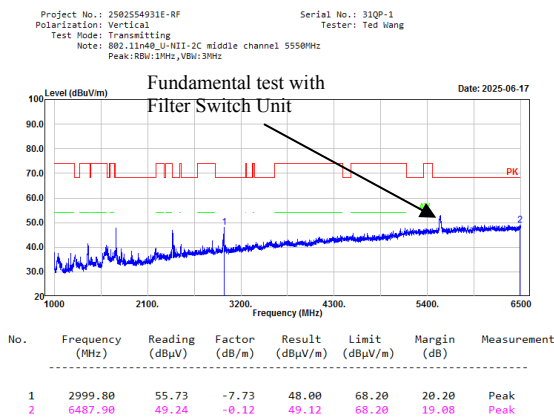
802.11n ht40 MIMO, Low Channel, 5510MHz, Vertical



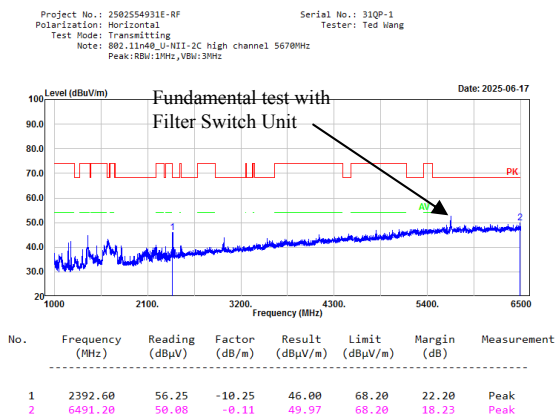
802.11n ht40 MIMO, Middle Channel, 5550MHz, Horizontal



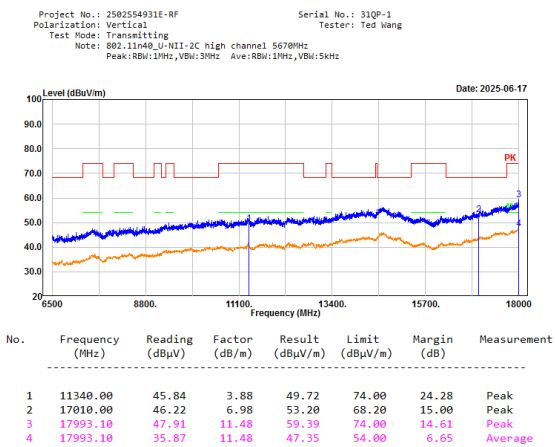
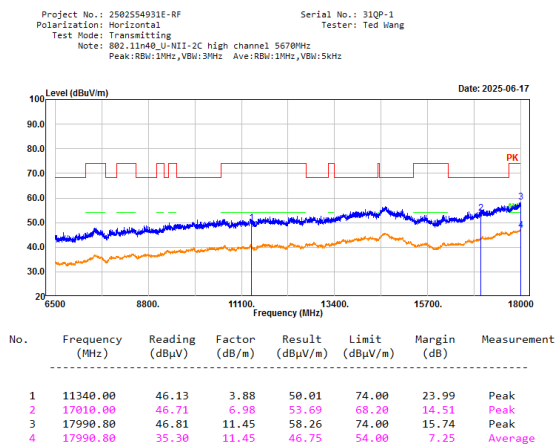
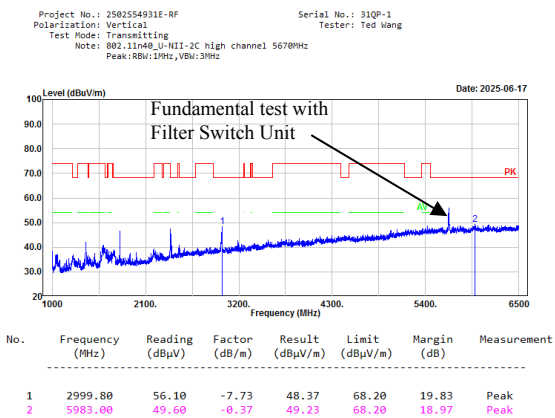
802.11n ht40 MIMO, Middle Channel, 5550MHz, Vertical



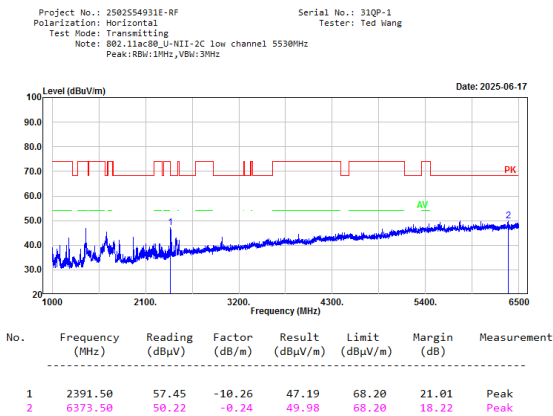
802.11n ht40 MIMO, High Channel, 5670MHz, Horizontal



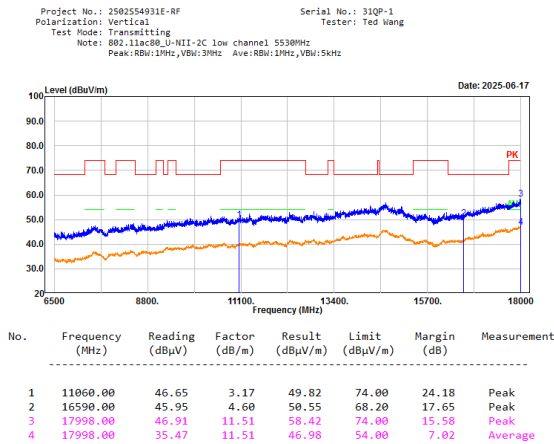
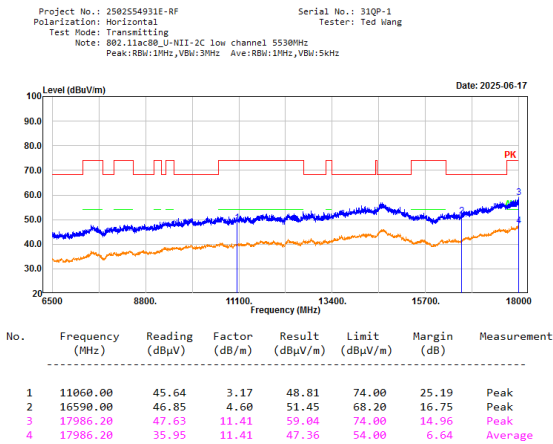
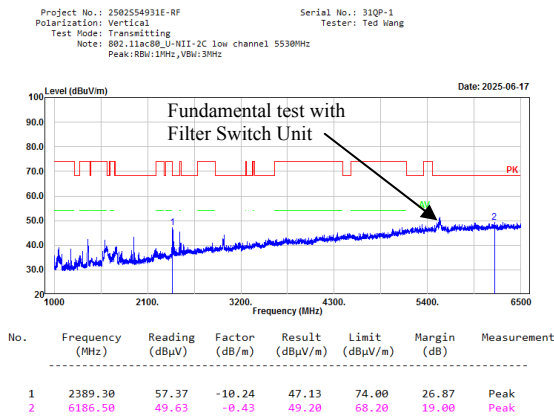
802.11n ht40 MIMO, High Channel, 5670MHz, Vertical



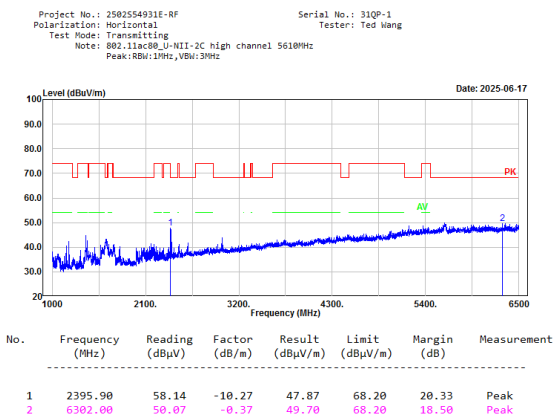
802.11ac vht80 MIMO, Low Channel, 5530MHz, Horizontal



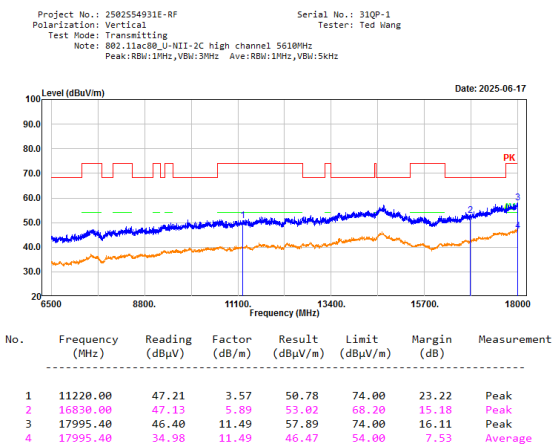
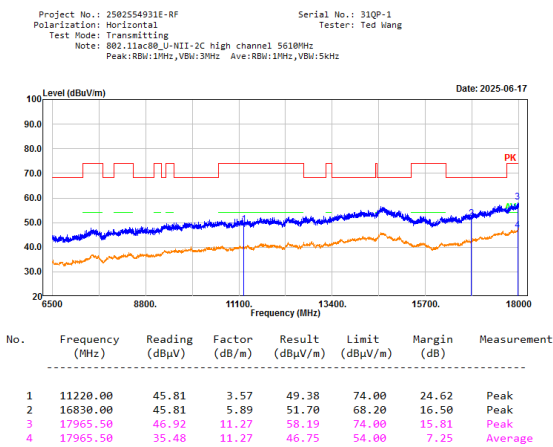
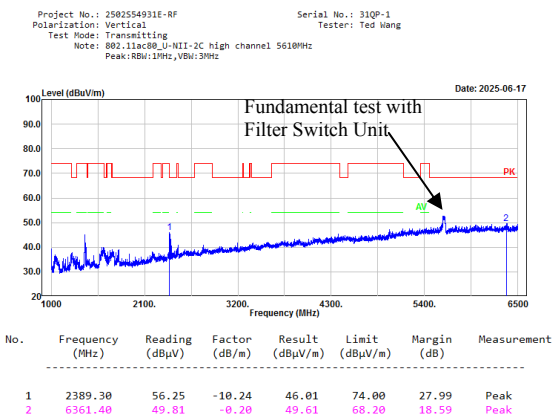
802.11ac vht80 MIMO, Low Channel, 5530MHz, Vertical



802.11ac vht80 MIMO, High Channel, 5610MHz, Horizontal

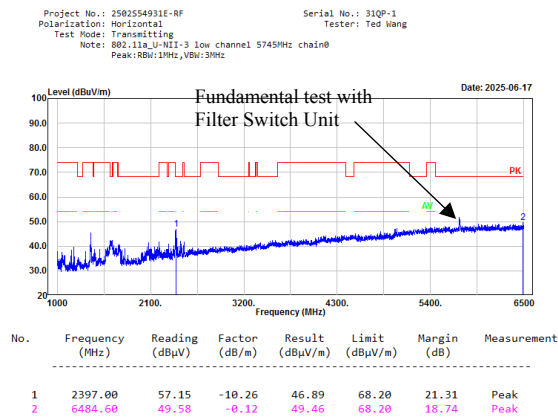


802.11ac vht80 MIMO, High Channel, 5610MHz, Vertical

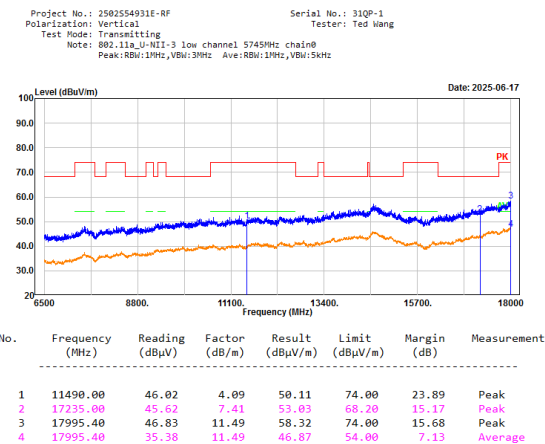
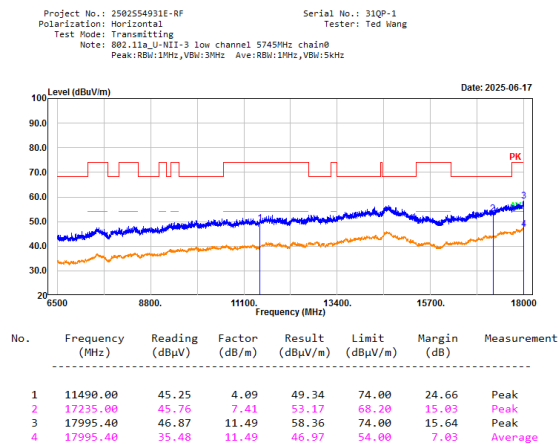
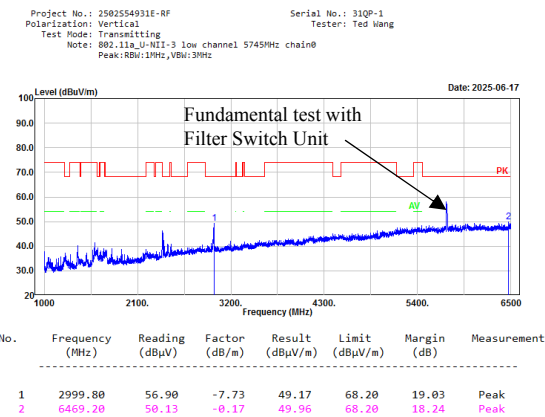


5725-5850MHz:

802.11a, Low Channel, 5745MHz, Chain0, Horizontal



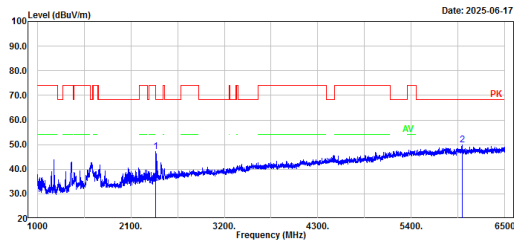
802.11a, Low Channel, 5745MHz, Chain0, Vertical



802.11a, Middle Channel, 5785MHz, Chain0, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain0
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 31QP-1
Tester: Ted Wang

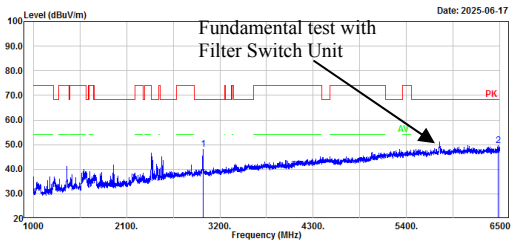


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2394.80	57.53	-10.26	47.27	68.20	20.93	Peak
2	6000.60	50.21	-0.35	49.86	68.20	18.34	Peak

802.11a, Middle Channel, 5785MHz, Chain0, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain0
Peak: RBW:1MHz, VBW:30Hz

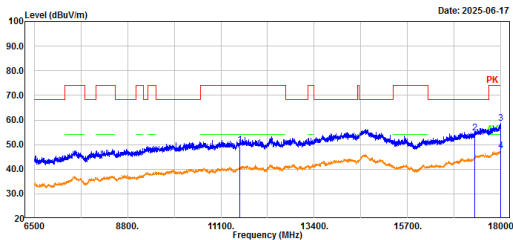
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2999.80	55.92	-7.73	48.19	68.20	20.01	Peak
2	6481.30	49.62	-0.13	49.49	68.20	18.71	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain0
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

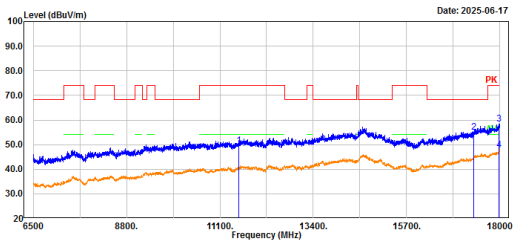
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	45.96	4.07	50.03	74.00	23.97	Peak
2	17355.00	47.45	7.37	54.82	68.20	13.38	Peak
3	17993.10	47.20	11.48	58.68	74.00	15.32	Peak
4	17993.10	35.87	11.48	47.35	54.00	6.65	Average

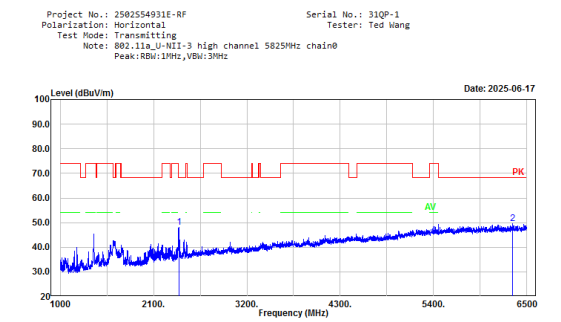
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain0
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang



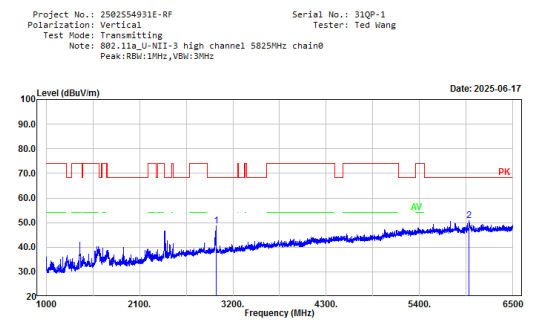
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	45.55	4.07	49.62	74.00	24.38	Peak
2	17355.00	47.73	7.37	55.10	68.20	13.10	Peak
3	17981.60	46.99	11.39	58.38	74.00	15.62	Peak
4	17981.60	36.26	11.39	47.65	54.00	6.35	Average

802.11a, High Channel, 5825MHz, Chain0, Horizontal

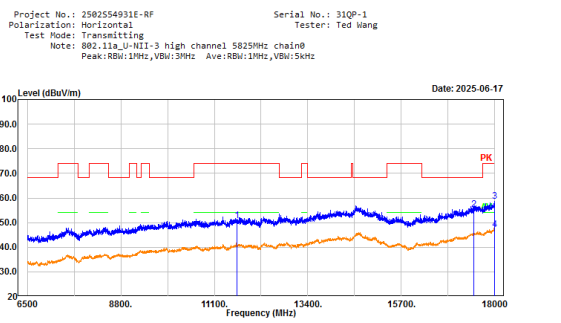


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2398.10	58.37	-10.27	48.10	68.20	20.10	Peak
2	6333.90	49.72	-0.26	49.46	68.20	18.74	Peak

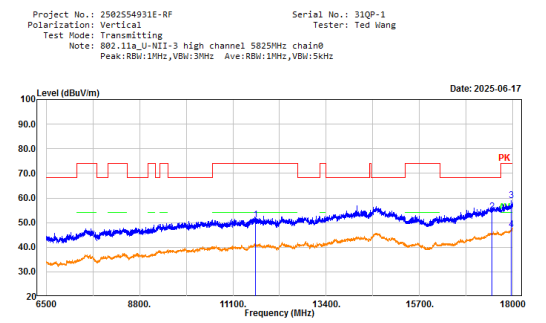
802.11a, High Channel, 5825MHz, Chain0, Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2999.80	56.49	-7.73	48.76	68.20	19.44	Peak
2	5985.20	51.18	-0.38	50.80	68.20	17.40	Peak

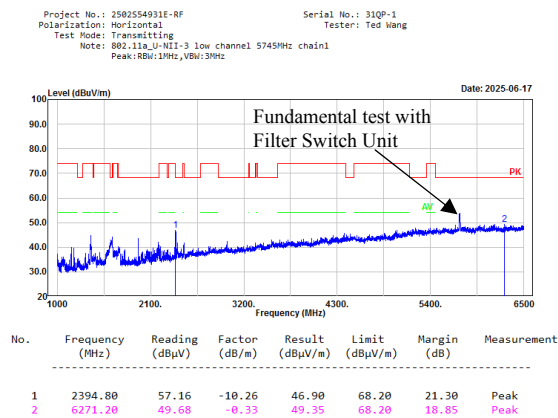


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	46.78	4.13	50.91	74.00	23.09	Peak
2	17475.00	47.53	7.86	55.39	68.20	12.81	Peak
3	17988.50	47.31	11.43	58.74	74.00	15.26	Peak
4	17988.50	35.88	11.43	47.31	54.00	6.69	Average

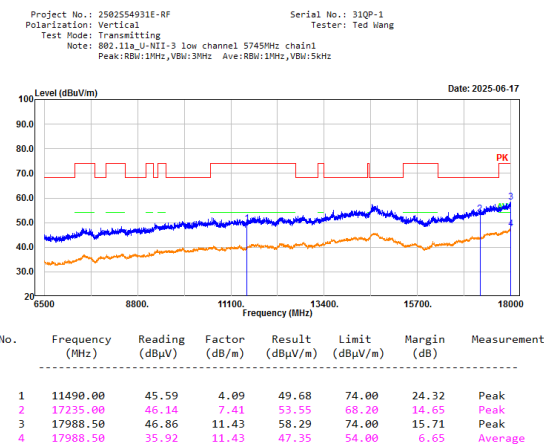
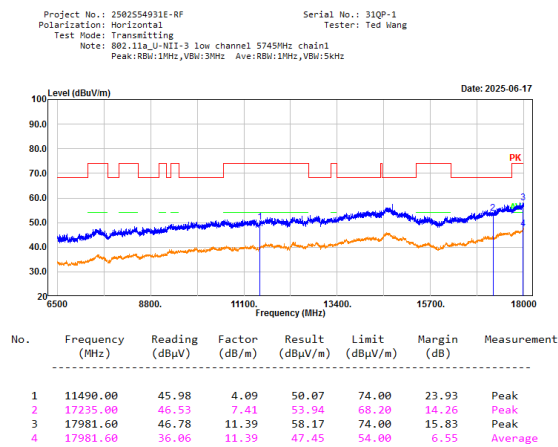
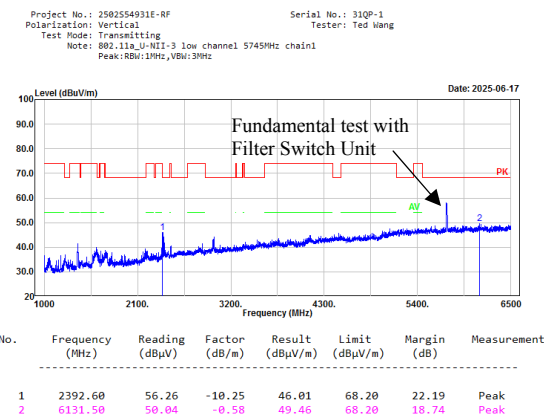


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	46.90	4.13	51.03	74.00	22.97	Peak
2	17475.00	46.60	7.86	54.46	68.20	13.72	Peak
3	17963.20	47.71	11.24	58.95	74.00	15.05	Peak
4	17963.20	35.88	11.24	47.12	54.00	6.88	Average

802.11a, Low Channel, 5745MHz, Chain1, Horizontal



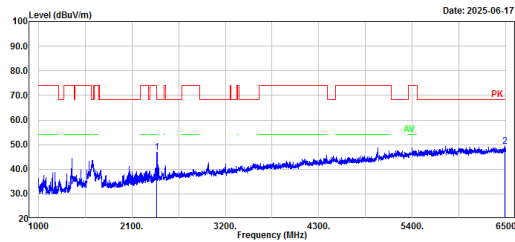
802.11a, Low Channel, 5745MHz, Chain1, Vertical



802.11a, Middle Channel, 5785MHz, Chain1, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain1
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 31QP-1
Tester: Ted Wang

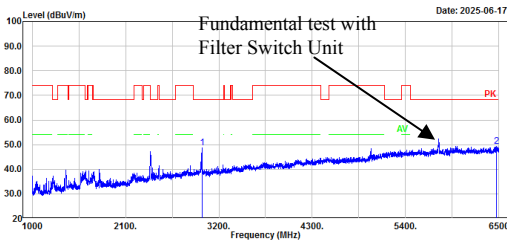


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2394.80	57.28	-10.26	47.02	68.20	21.18	Peak
2	6491.20	49.34	-0.11	49.23	68.20	18.97	Peak

802.11a, Middle Channel, 5785MHz, Chain1, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain1
Peak: RBW:1MHz, VBW:30Hz

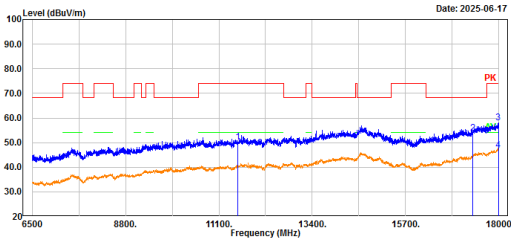
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2999.80	56.54	-7.73	48.81	68.20	19.39	Peak
2	6473.60	49.40	-0.17	49.23	68.20	18.97	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain1
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

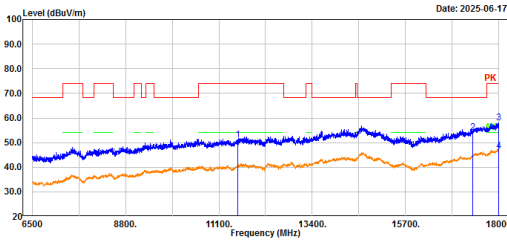
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	46.12	4.07	50.19	74.00	23.81	Peak
2	17355.00	46.52	7.37	53.89	68.20	14.31	Peak
3	17983.90	46.57	11.40	57.97	74.00	16.03	Peak
4	17983.90	35.47	11.40	46.87	54.00	7.13	Average

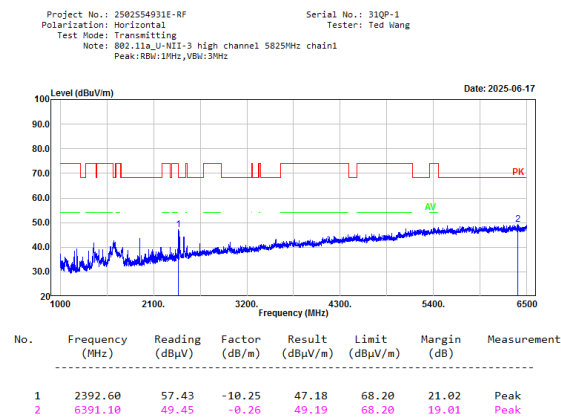
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-3 middle channel 5785MHz chain1
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

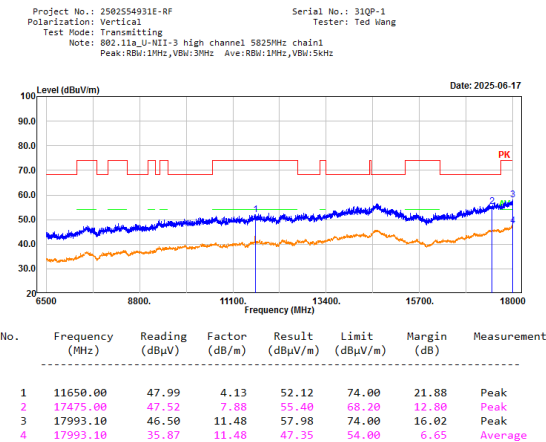
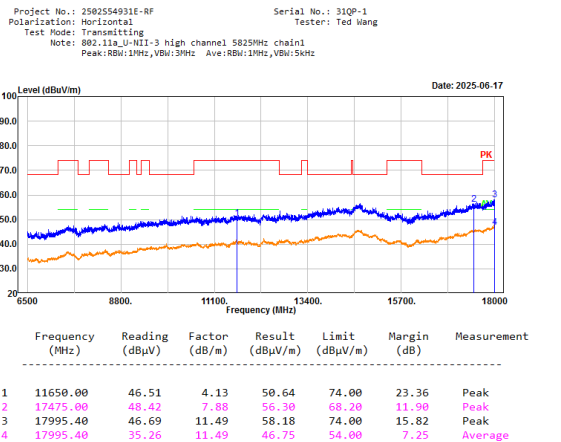
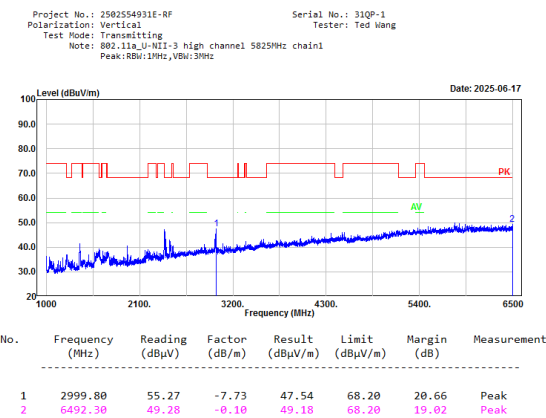


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	46.98	4.07	51.05	74.00	22.95	Peak
2	17355.00	46.60	7.37	53.97	68.20	14.23	Peak
3	17993.10	46.47	11.48	57.95	74.00	16.05	Peak
4	17993.10	35.10	11.48	46.58	54.00	7.42	Average

802.11a, High Channel, 5825MHz, Chain1, Horizontal



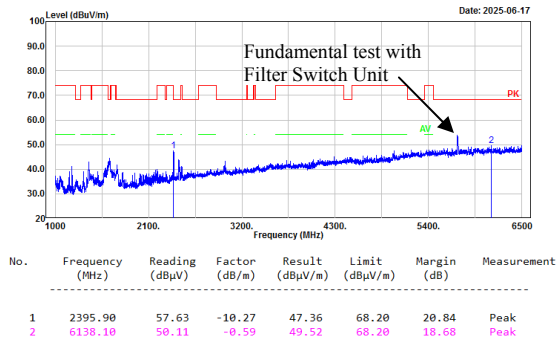
802.11a, High Channel, 5825MHz, Chain1, Vertical



802.11n ht20 MIMO, Low Channel, 5745MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 low channel 5745MHz
Peak: RBW:1MHz, VBW:3MHz

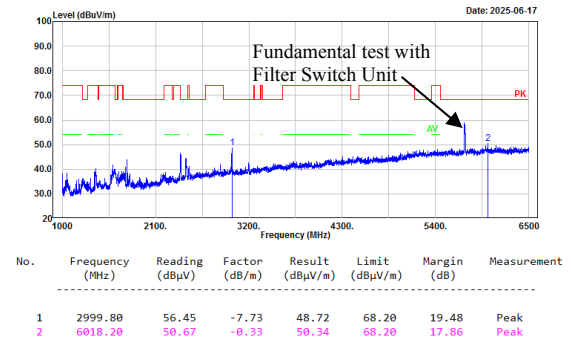
Serial No.: 31QP-1
Tester: Ted Wang



802.11n ht20 MIMO, Low Channel, 5745MHz, Vertical

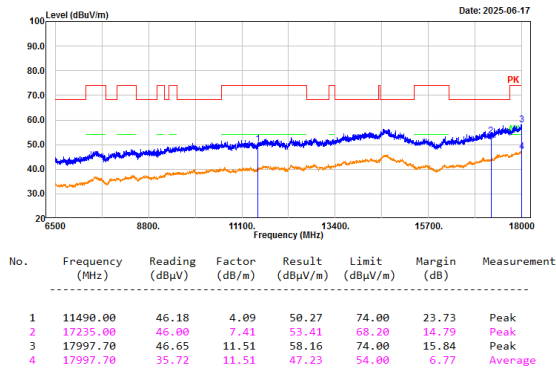
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 low channel 5745MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Ted Wang



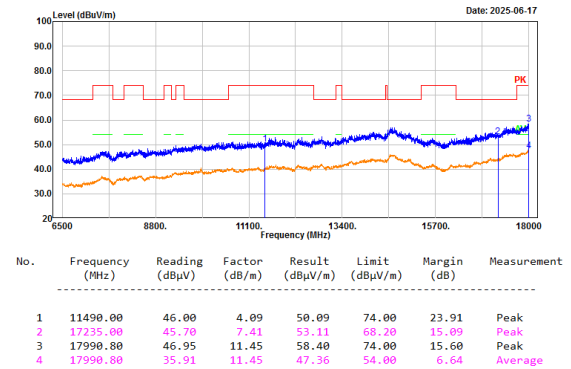
Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 low channel 5745MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang



Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 low channel 5745MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

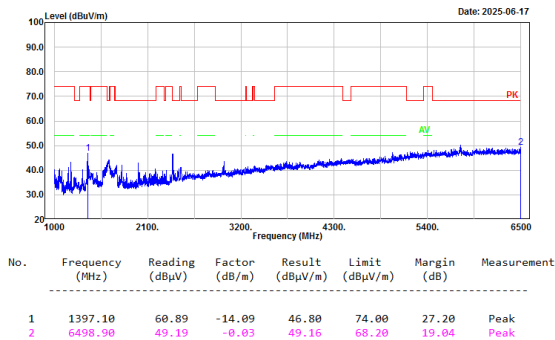
Serial No.: 31QP-1
Tester: Ted Wang



802.11n ht20 MIMO, Middle Channel, 5785MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 middle channel 5785MHz
Peak: RBW:1MHz, VBW:30Hz

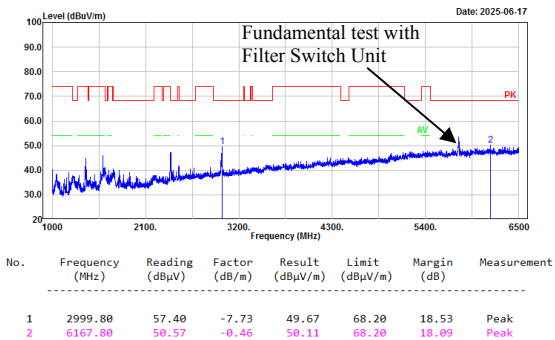
Serial No.: 31QP-1
Tester: Ted Wang



802.11n ht20 MIMO, Middle Channel, 5785MHz, Vertical

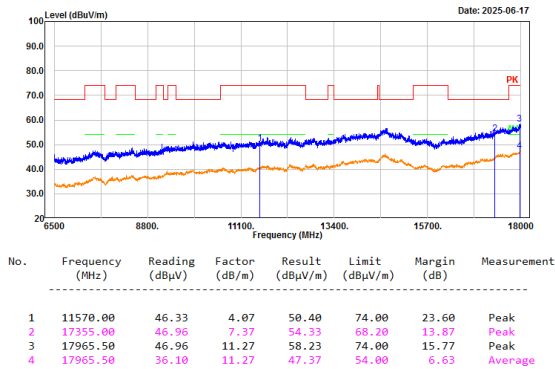
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 middle channel 5785MHz
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 31QP-1
Tester: Ted Wang



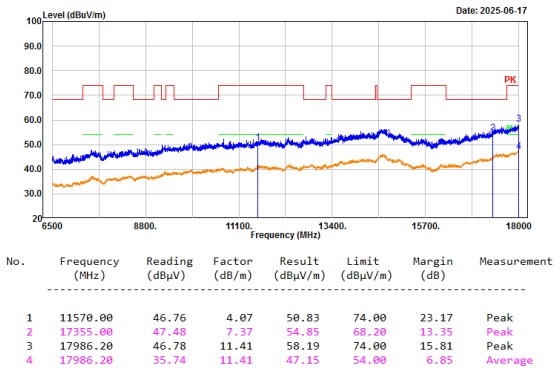
Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 middle channel 5785MHz
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

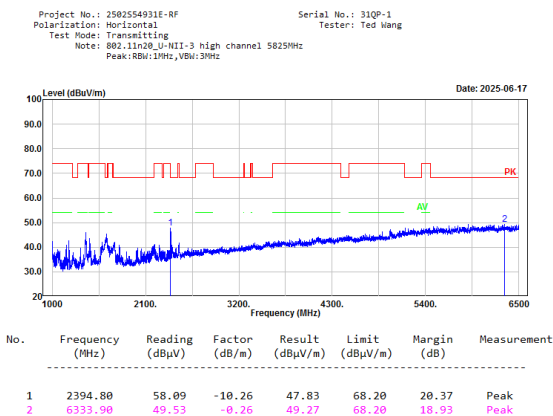


Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-3 middle channel 5785MHz
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

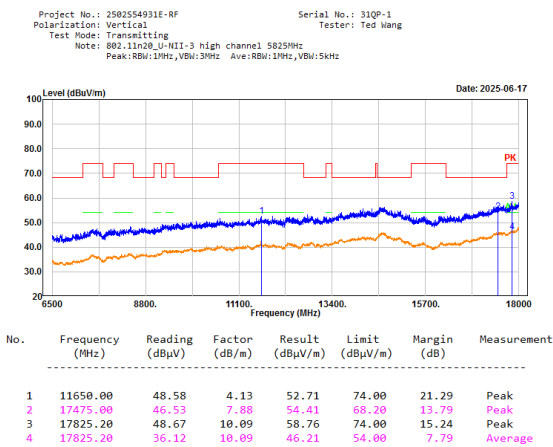
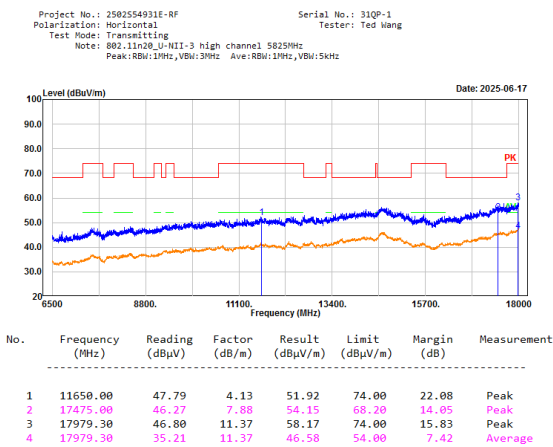
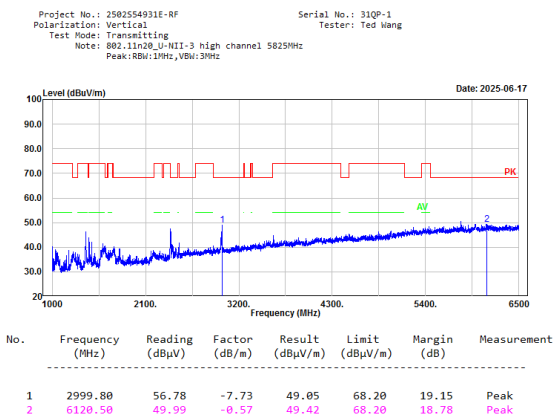
Serial No.: 31QP-1
Tester: Ted Wang



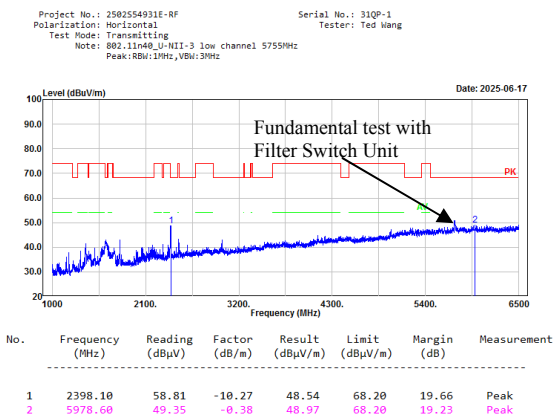
802.11n ht20 MIMO, High Channel, 5825MHz, Horizontal



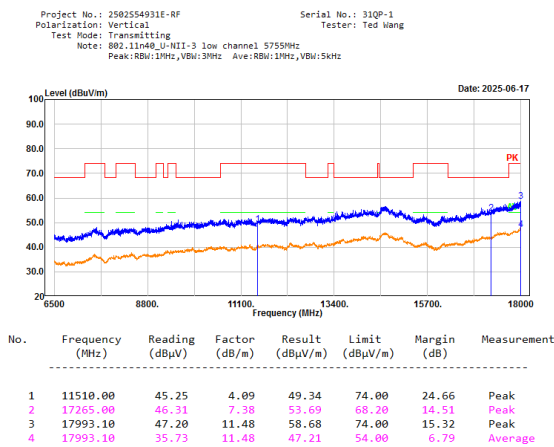
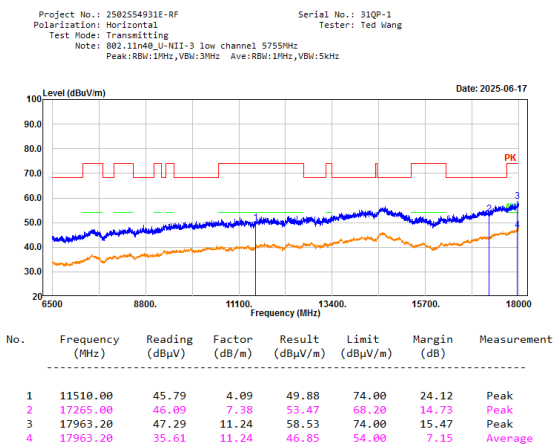
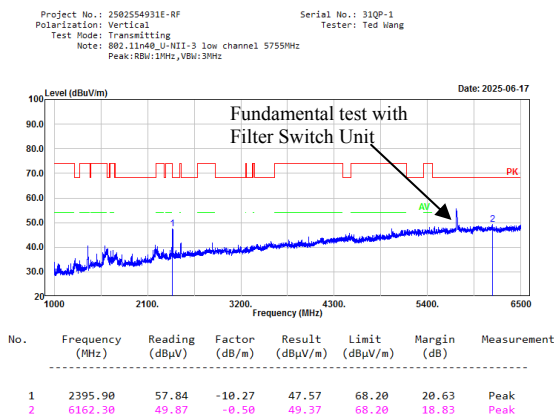
802.11n ht20 MIMO, High Channel, 5825MHz, Vertical



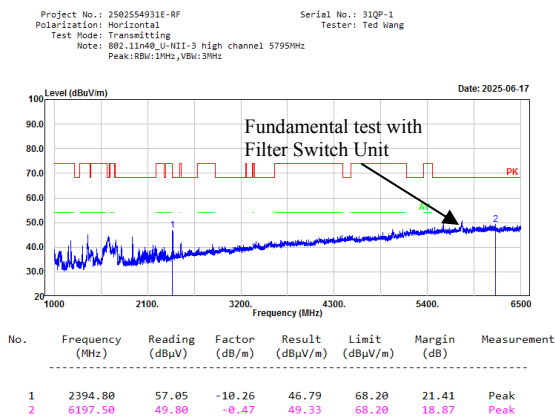
802.11n ht40 MIMO, Low Channel, 5755MHz, Horizontal



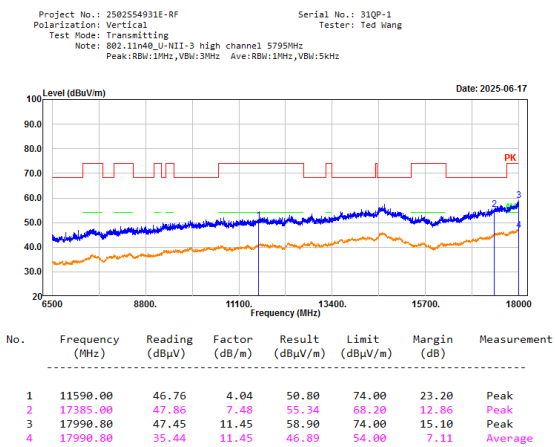
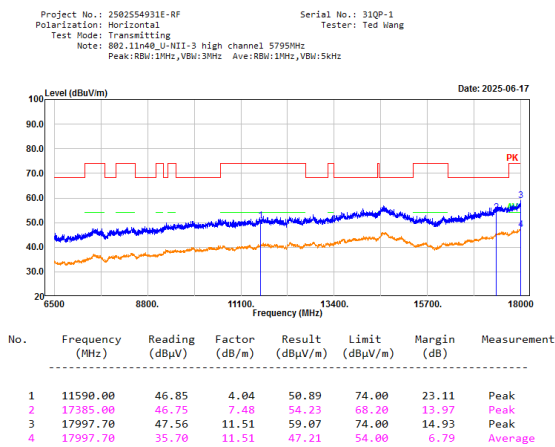
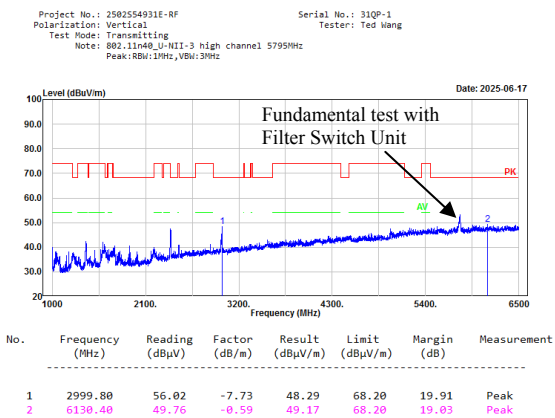
802.11n ht40 MIMO, Low Channel, 5755MHz, Vertical



802.11n ht40 MIMO, High Channel, 5795MHz, Horizontal



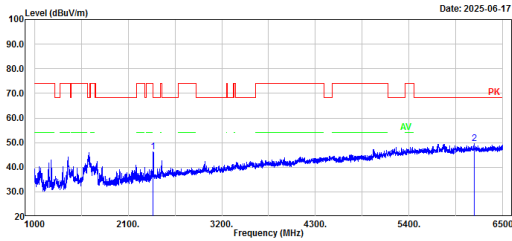
802.11n ht40 MIMO, High Channel, 5795MHz, Vertical



802.11ac vht80 MIMO, Middle Channel, 5775MHz, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 31QP-1
Tester: Ted Wang

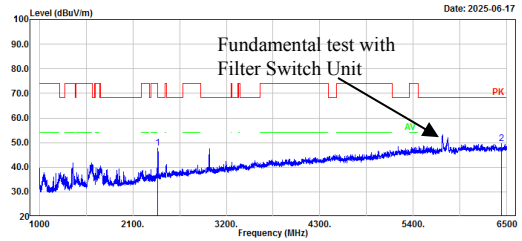


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2395.90	56.49	-10.27	46.22	68.20	21.98	Peak
2	6166.70	50.16	-0.46	49.70	68.20	18.50	Peak

802.11ac vht80 MIMO, Middle Channel, 5775MHz, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz

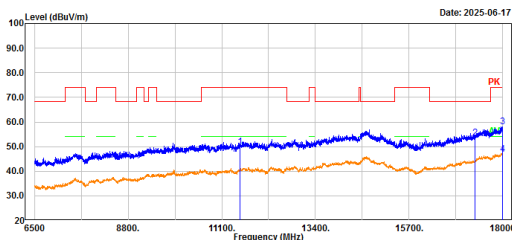
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2390.40	58.03	-10.25	47.78	68.20	20.42	Peak
2	6432.90	49.74	-0.15	49.59	68.20	18.61	Peak

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

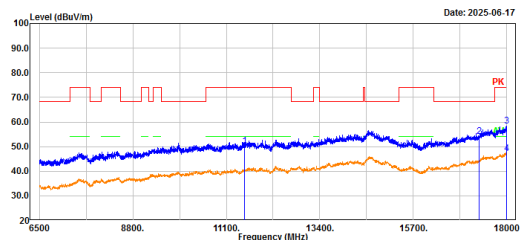
Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	45.72	4.08	49.80	74.00	24.20	Peak
2	17325.00	46.12	7.26	53.38	68.20	14.82	Peak
3	17993.10	46.68	11.48	58.16	74.00	15.84	Peak
4	17993.10	35.39	11.48	46.87	54.00	7.13	Average

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

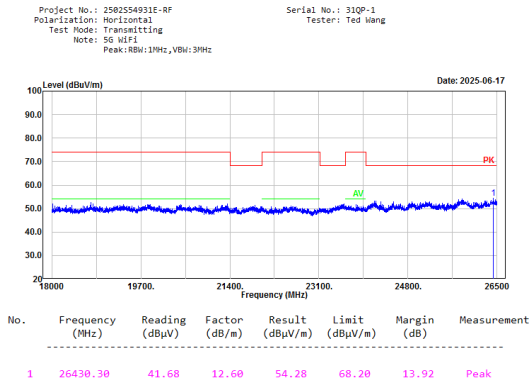


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	46.21	4.08	50.29	74.00	23.71	Peak
2	17325.00	46.71	7.26	53.97	68.20	14.23	Peak
3	17990.80	46.92	11.45	58.37	74.00	15.63	Peak
4	17990.80	35.67	11.45	47.12	54.00	6.88	Average

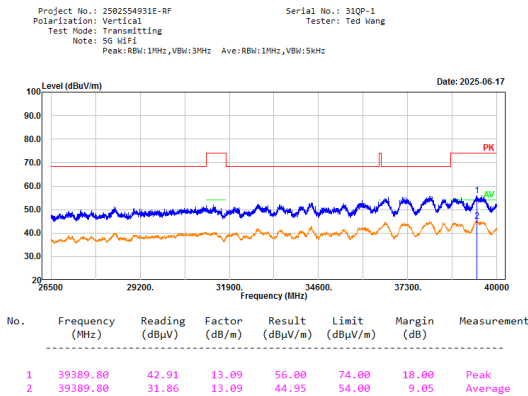
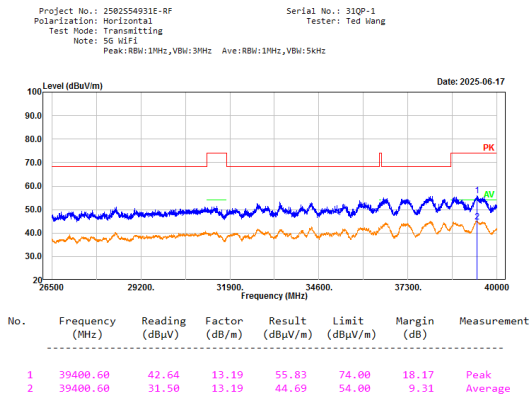
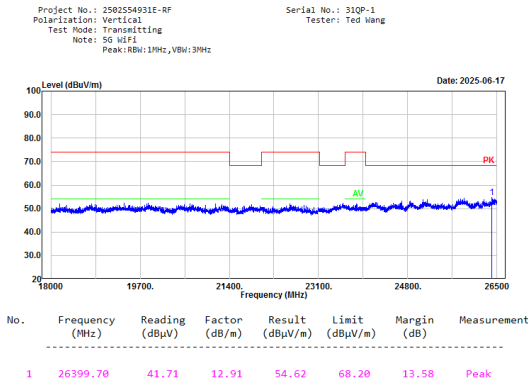
18GHz-40GHz:

Note: No Emission was detected in the range 18-40GHz, test was performed on the Maximum Output Power Mode and Channel: 802.11n ht20 MIMO mode 5580MHz.

802.11n ht20 MIMO mode 5580MHz Horizontal



802.11n ht20 MIMO mode 5580MHz Vertical



Bandedge:
5150-5250MHz:

802.11a low channel Chain0 Bandedge Horizontal

Project No.: 2502S54931E-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.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5134.44	51.16	6.46	57.62	74.00	16.38	Peak
2	5134.44	37.45	6.46	43.91	54.00	10.09	Average
3	5150.00	48.73	6.53	55.26	74.00	18.74	Peak
4	5150.00	37.32	6.53	43.85	54.00	10.15	Average

802.11a low channel Chain0 Bandedge Vertical

Project No.: 2502S54931E-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.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5148.20	51.08	6.52	57.60	74.00	16.40	Peak
2	5148.20	37.61	6.52	44.13	54.00	9.87	Average
3	5150.00	50.22	6.53	56.75	74.00	17.25	Peak
4	5150.00	37.86	6.53	44.39	54.00	9.61	Average

802.11a high channel Chain0 Bandedge Horizontal

Project No.: 2502S54931E-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.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5350.00	49.86	7.10	56.96	74.00	17.04	Peak
2	5350.00	36.78	7.10	43.88	54.00	10.12	Average

802.11a high channel Chain0 Bandedge Vertical

Project No.: 2502S54931E-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

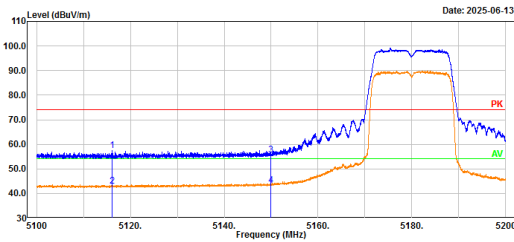
Serial No.: 31QP-1
Tester: Alan Xie

Date: 2025-06-13

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	5350.00	48.39	7.10	55.49	74.00	18.51	Peak
2	5350.00	37.07	7.10	44.17	54.00	9.83	Average

802.11a low channel Chain1 Bandedge Horizontal

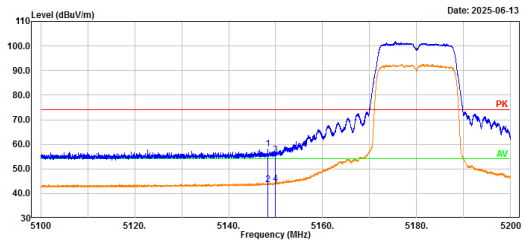
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5116.12	51.11	6.36	57.47	74.00	16.53	Peak
2	5116.12	36.66	6.36	43.02	54.00	10.98	Average
3	5150.00	49.23	6.53	55.76	74.00	18.24	Peak
4	5150.00	36.83	6.53	43.36	54.00	10.64	Average

802.11a low channel Chain1 Bandedge Vertical

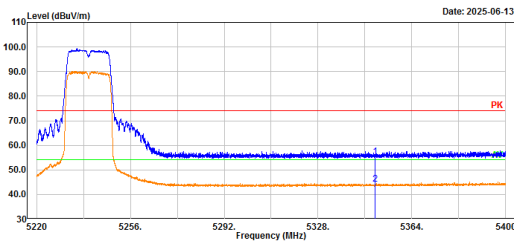
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5148.28	51.55	6.52	58.07	74.00	15.93	Peak
2	5148.28	37.15	6.52	43.67	54.00	10.33	Average
3	5150.00	49.10	6.53	55.63	74.00	18.37	Peak
4	5150.00	37.41	6.53	43.94	54.00	10.06	Average

802.11a high channel Chain1 Bandedge Horizontal

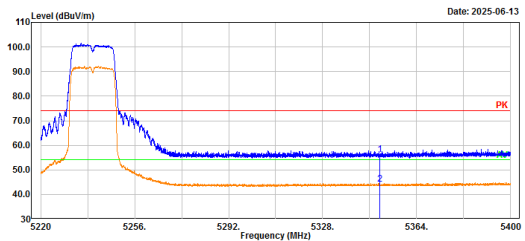
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5240MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.39	7.10	55.49	74.00	18.51	Peak
2	5350.00	37.06	7.10	44.16	54.00	9.84	Average

802.11a high channel Chain1 Bandedge Vertical

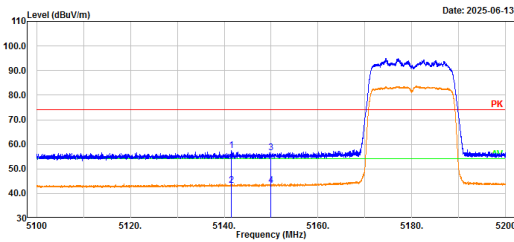
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5240MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.13	7.10	56.23	74.00	17.77	Peak
2	5350.00	36.96	7.10	44.06	54.00	9.94	Average

802.11n ht20 MIMO low channel Bandedge Horizontal

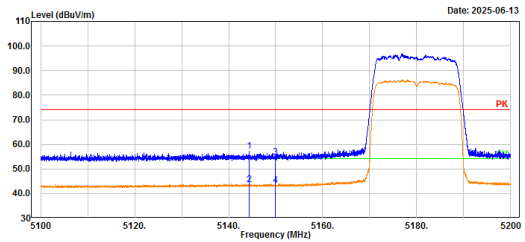
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n20_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5141.54	50.86	6.50	57.36	74.00	16.64	Peak
2	5141.54	36.77	6.50	43.27	54.00	10.73	Average
3	5150.00	49.92	6.53	56.45	74.00	17.55	Peak
4	5150.00	36.78	6.53	43.31	54.00	10.69	Average

802.11n ht20 MIMO low channel Bandedge Vertical

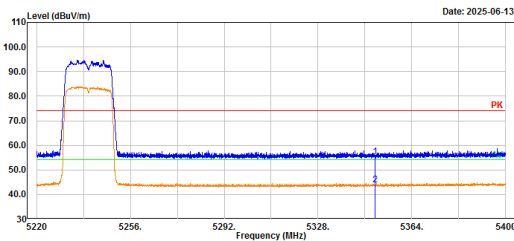
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n20_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5144.38	50.81	6.50	57.31	74.00	16.69	Peak
2	5144.38	37.13	6.50	43.63	54.00	10.37	Average
3	5150.00	48.15	6.53	54.68	74.00	19.32	Peak
4	5150.00	36.85	6.53	43.38	54.00	10.62	Average

802.11n ht20 MIMO high channel Bandedge Horizontal

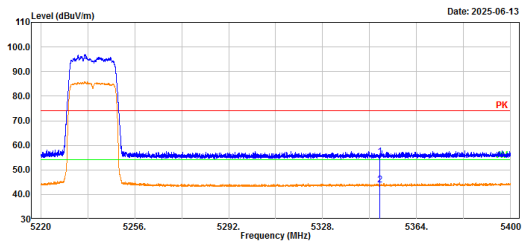
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n20_U-NII-1 high channel 5240MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.18	7.10	55.28	74.00	18.72	Peak
2	5350.00	36.82	7.10	43.92	54.00	10.08	Average

802.11n ht20 MIMO high channel Bandedge Vertical

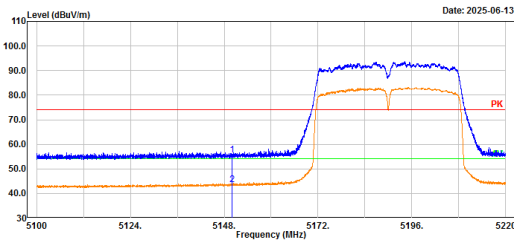
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n20_U-NII-1 high channel 5240MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.27	7.10	55.37	74.00	18.63	Peak
2	5350.00	36.86	7.10	43.96	54.00	10.04	Average

802.11n ht40 MIMO low channel Bandedge Horizontal

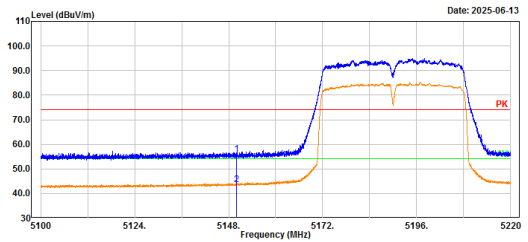
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 low channel 5190MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	49.02	6.53	55.55	74.00	18.45	Peak
2	5150.00	36.91	6.53	43.44	54.00	10.56	Average

802.11n ht40 MIMO low channel Bandedge Vertical

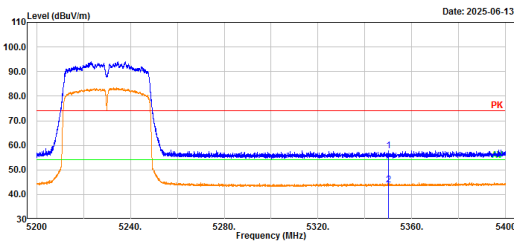
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 low channel 5190MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	49.48	6.53	56.01	74.00	17.99	Peak
2	5150.00	37.01	6.53	43.54	54.00	10.46	Average

802.11n ht40 MIMO high channel Bandedge Horizontal

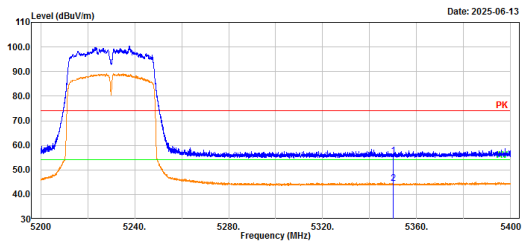
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 high channel 5230MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	50.72	7.10	57.82	74.00	16.18	Peak
2	5350.00	36.85	7.10	43.95	54.00	10.05	Average

802.11n ht40 MIMO high channel Bandedge Vertical

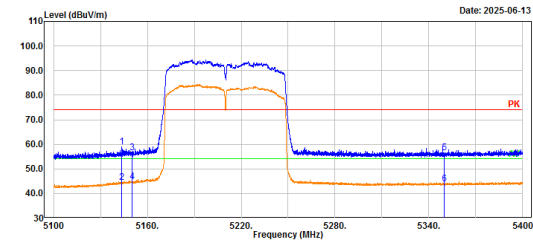
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11n40_U-NII-1 high channel 5230MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.61	7.10	55.71	74.00	18.29	Peak
2	5350.00	37.25	7.10	44.35	54.00	9.65	Average

802.11ac vht80 MIMO middle channel Bandedge Horizontal

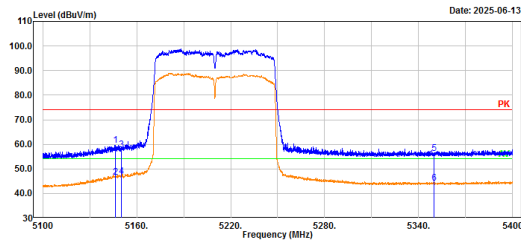
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5143.68	52.39	6.50	58.89	74.00	15.11	Peak
2	5143.68	37.86	6.50	44.36	54.00	9.64	Average
3	5150.00	50.01	6.53	56.54	74.00	17.46	Peak
4	5150.00	38.26	6.53	44.79	54.00	9.21	Average
5	5350.00	49.52	7.10	56.62	74.00	17.38	Peak
6	5350.00	36.72	7.10	43.82	54.00	10.18	Average

802.11ac vht80 MIMO middle channel Bandedge Vertical

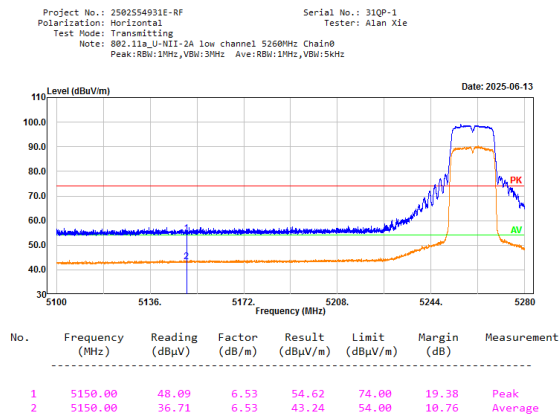
Project No.: 2502S54931E-RF Serial No.: 31QP-1
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz



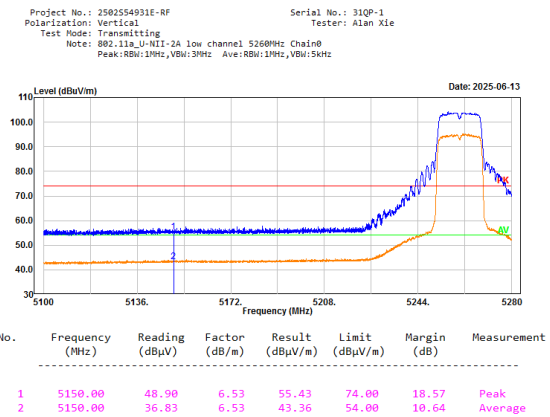
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5146.56	53.20	6.52	59.72	74.00	14.28	Peak
2	5146.56	40.23	6.52	46.75	54.00	7.25	Average
3	5150.00	51.29	6.53	57.82	74.00	16.18	Peak
4	5150.00	40.30	6.53	46.83	54.00	7.17	Average
5	5350.00	49.11	7.10	56.21	74.00	17.79	Peak
6	5350.00	37.17	7.10	44.27	54.00	9.73	Average

5250-5350MHz:

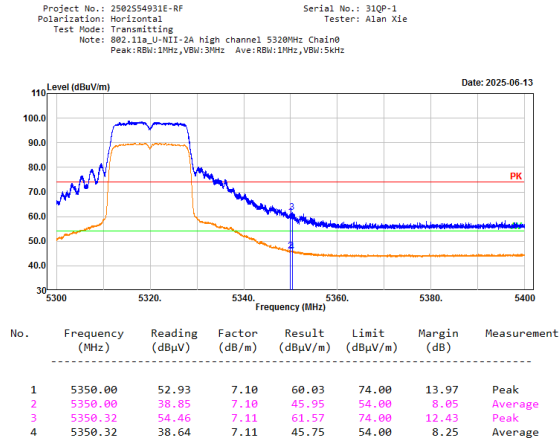
802.11a, Low Channel, Chain0, Bandedge, Horizontal



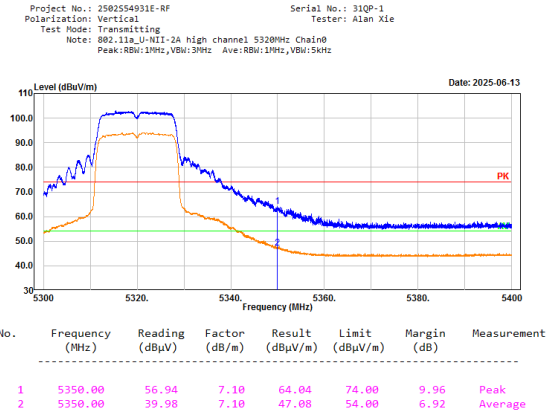
802.11a, Low Channel, Chain0, Bandedge, Vertical



802.11a, High Channel, Chain0, Bandedge, Horizontal



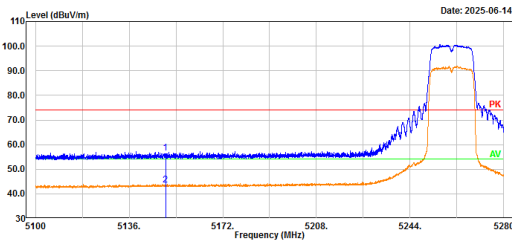
802.11a, High Channel, Chain0, Bandedge, Vertical



802.11a, Low Channel, Chain1, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-2A low channel 5260MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

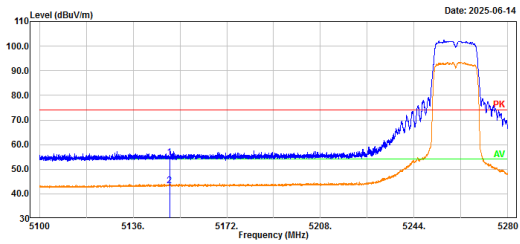


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	50.09	6.53	56.62	74.00	17.38	Peak
2	5150.00	36.92	6.53	43.45	54.00	10.55	Average

802.11a, Low Channel, Chain1, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-2A low channel 5260MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

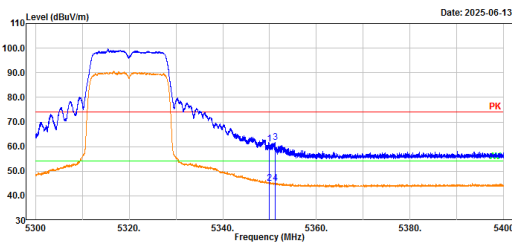


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	48.18	6.53	54.71	74.00	19.29	Peak
2	5150.00	36.89	6.53	43.42	54.00	10.58	Average

802.11a, High Channel, Chain1, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

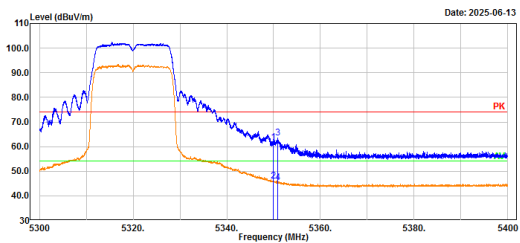


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	53.85	7.10	60.95	74.00	13.05	Peak
2	5350.00	38.00	7.10	45.10	54.00	8.90	Average
3	5351.18	54.58	7.11	61.69	74.00	12.31	Peak
4	5351.18	37.90	7.11	45.01	54.00	8.99	Average

802.11a, High Channel, Chain1, Bandedge, Vertical

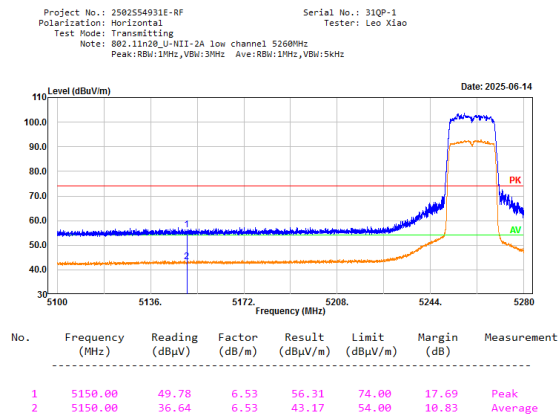
Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz Chain1
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Alan Xie

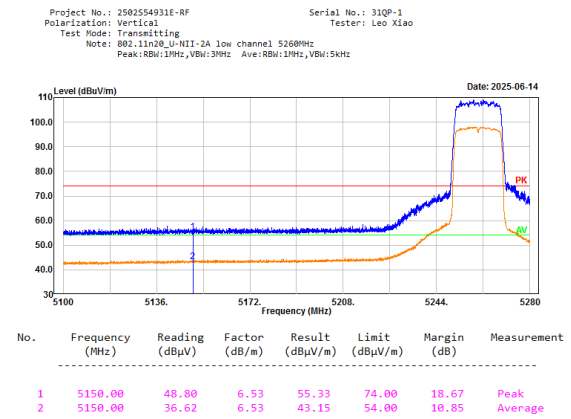


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	54.67	7.10	61.77	74.00	12.23	Peak
2	5350.00	39.01	7.10	46.11	54.00	7.89	Average
3	5350.88	56.27	7.11	63.38	74.00	10.62	Peak
4	5350.88	38.17	7.11	45.28	54.00	8.72	Average

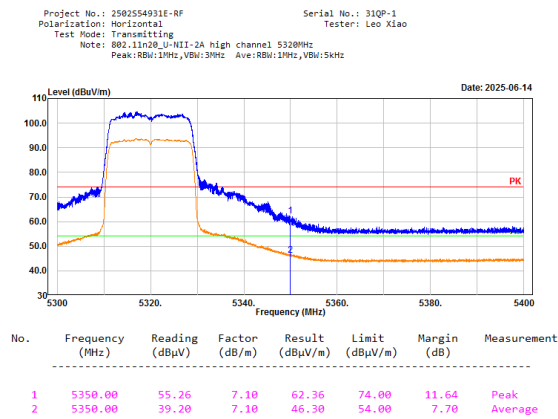
802.11n ht20 MIMO, Low Channel, Bandedge, Horizontal



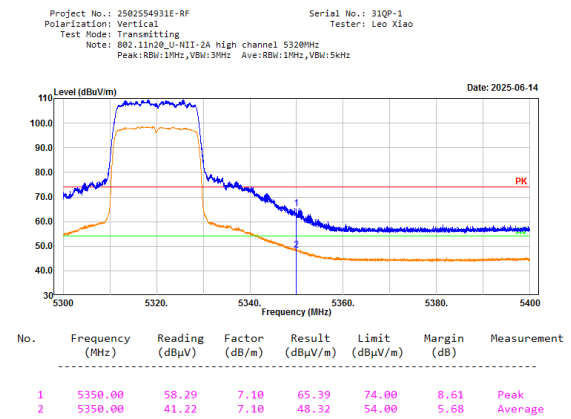
802.11n ht20 MIMO, Low Channel, Bandedge, Vertical



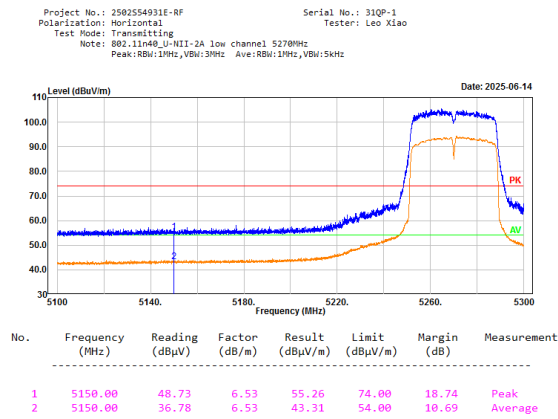
802.11n ht20 MIMO, High Channel, Bandedge, Horizontal



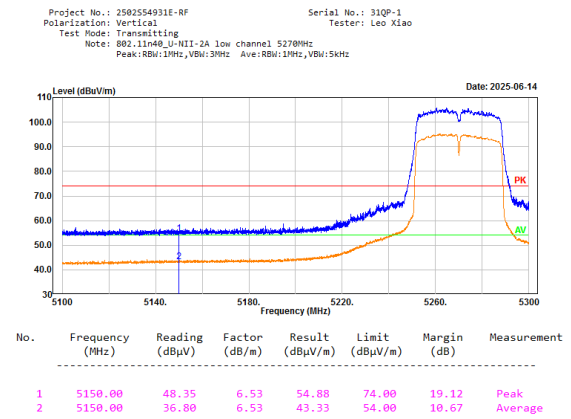
802.11n ht20 MIMO, High Channel, Bandedge, Vertical



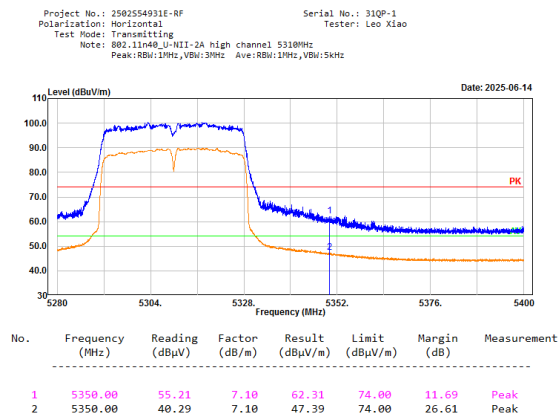
802.11n ht40 MIMO, Low Channel, Bandedge, Horizontal



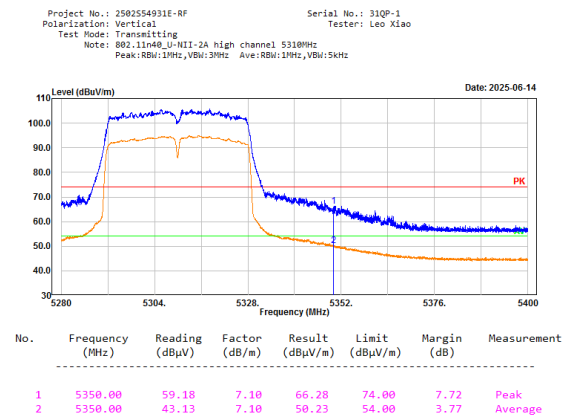
802.11n ht40 MIMO, Low Channel, Bandedge, Vertical



802.11n ht40 MIMO, High Channel, Bandedge, Horizontal

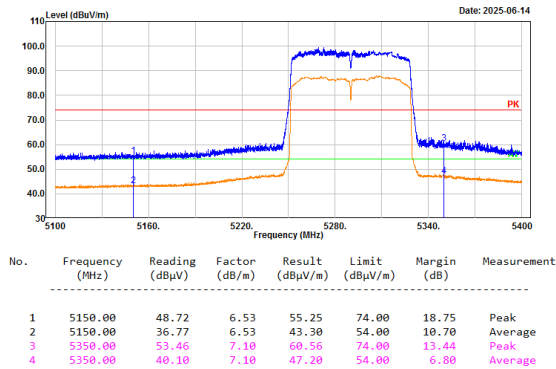


802.11n ht40 MIMO, High Channel, Bandedge, Vertical



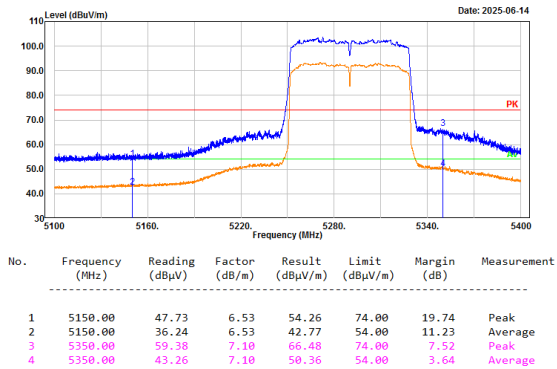
802.11ac vht80 MIMO, Middle Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Serial No.: 31QP-1
Tester: Leo Xiao
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:30kHz Ave: RBW:1MHz, VBW:5kHz



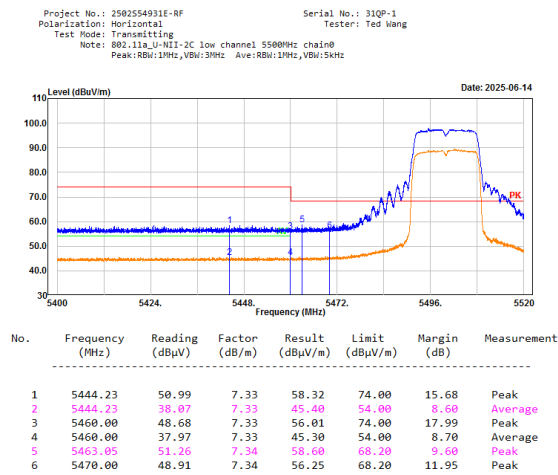
802.11ac vht80 MIMO, Middle Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Serial No.: 31QP-1
Tester: Leo Xiao
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:30kHz Ave: RBW:1MHz, VBW:5kHz

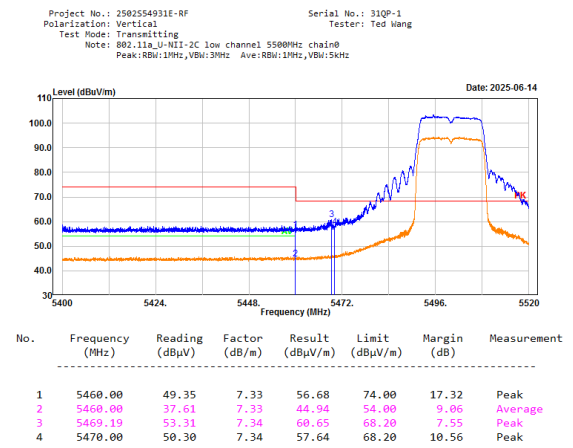


5470-5725MHz:

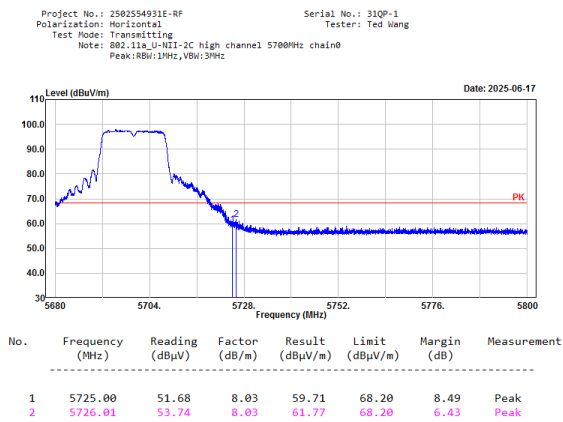
802.11a, Low Channel, Chain0, Bandedge, Horizontal



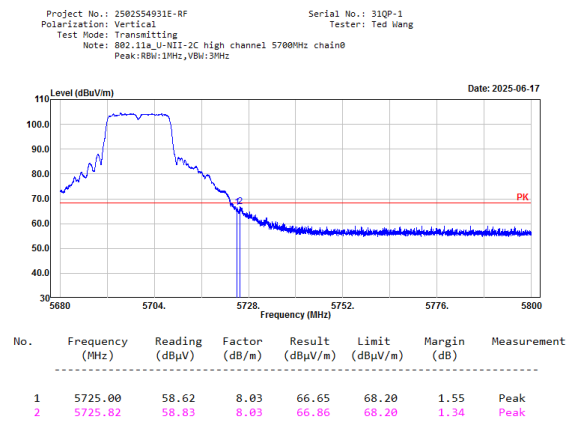
802.11a, Low Channel, Chain0, Bandedge, Vertical



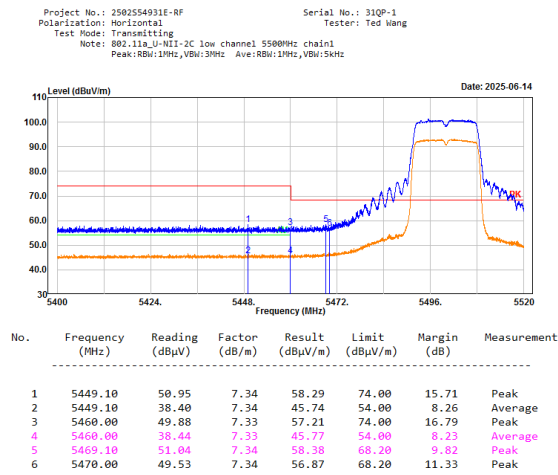
802.11a, High Channel, Chain0, Bandedge, Horizontal



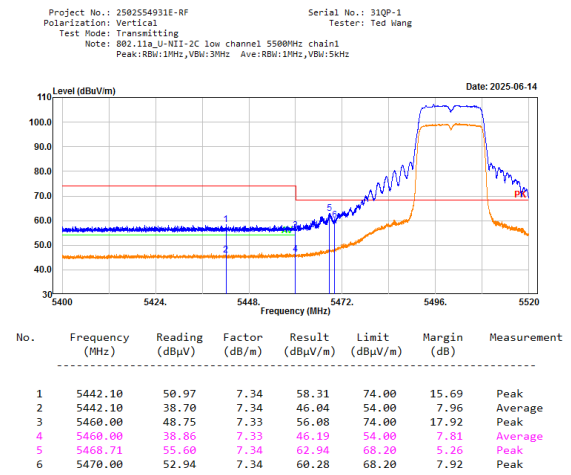
802.11a, High Channel, Chain0, Bandedge, Vertical



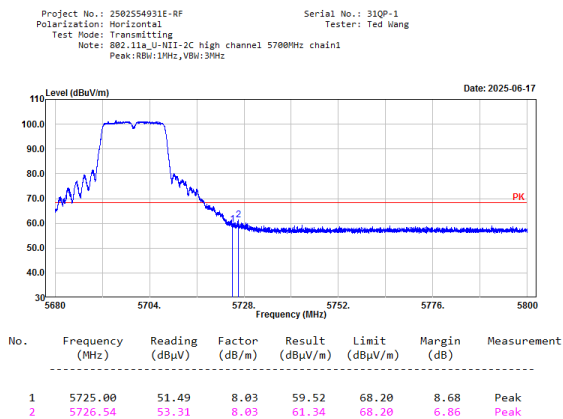
802.11a, Low Channel, Chain1, Bandedge, Horizontal



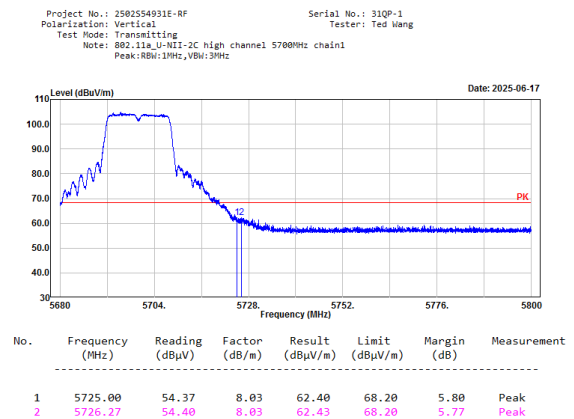
802.11a, Low Channel, Chain1, Bandedge, Vertical



802.11a, High Channel, Chain1, Bandedge, Horizontal



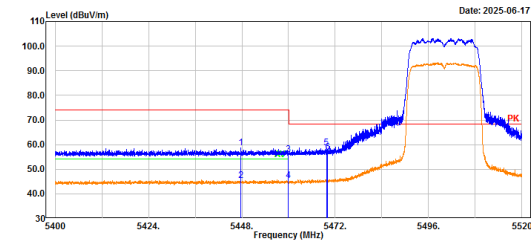
802.11a, High Channel, Chain1, Bandedge, Vertical



802.11n ht20 MIMO, Low Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C low channel 5500MHz
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

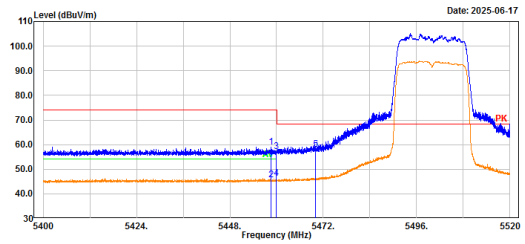


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5447.76	51.40	7.34	58.74	74.00	15.26	Peak
2	5447.76	38.07	7.34	45.41	54.00	8.59	Average
3	5460.00	48.62	7.33	55.95	74.00	18.05	Peak
4	5460.00	38.19	7.33	45.52	54.00	8.48	Average
5	5469.72	51.40	7.34	58.74	68.20	9.46	Peak
6	5470.00	49.50	7.34	56.84	68.20	11.36	Peak

802.11n ht20 MIMO, Low Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C low channel 5500MHz
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

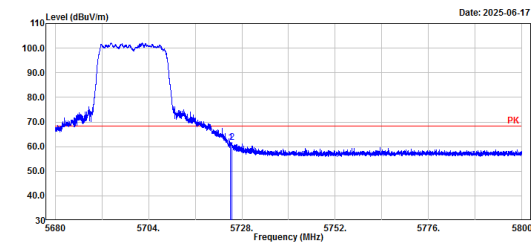


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5458.54	51.74	7.33	59.07	74.00	14.93	Peak
2	5458.54	38.29	7.33	45.62	54.00	8.38	Average
3	5460.00	49.74	7.33	57.07	74.00	16.93	Peak
4	5460.00	38.86	7.33	46.19	54.00	7.81	Average
5	5470.00	50.65	7.34	57.99	68.20	10.21	Peak

802.11n ht20 MIMO, High Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 31QP-1
Tester: Ted Wang

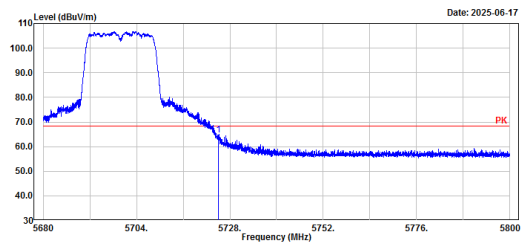


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	53.67	8.03	61.70	68.20	6.50	Peak
2	5725.48	53.71	8.03	61.74	68.20	6.46	Peak

802.11n ht20 MIMO, High Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 31QP-1
Tester: Ted Wang

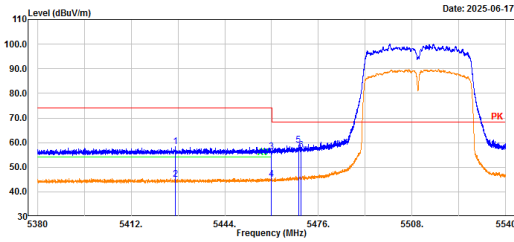


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	56.62	8.03	64.65	68.20	3.55	Peak

802.11n ht40 MIMO, Low Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n40_U-NII-2C low channel 5510MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

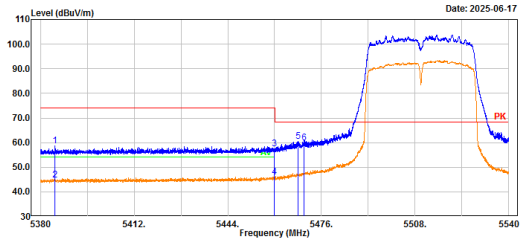


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5427.20	51.01	7.33	58.34	74.00	15.66	Peak
2	5427.20	37.84	7.33	45.17	54.00	8.83	Average
3	5460.00	49.07	7.33	56.40	74.00	17.60	Peak
4	5460.00	37.91	7.33	45.24	54.00	8.76	Average
5	5469.15	51.67	7.34	59.01	68.20	9.19	Peak
6	5470.00	49.46	7.34	56.80	68.20	11.40	Peak

802.11n ht40 MIMO, Low Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n40_U-NII-2C low channel 5510MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

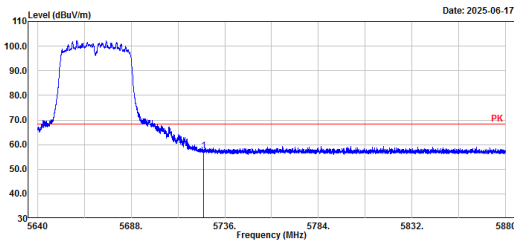


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5384.93	51.44	7.24	58.68	74.00	15.32	Peak
2	5384.93	37.56	7.24	44.80	54.00	9.20	Average
3	5460.00	50.18	7.33	57.51	74.00	16.49	Peak
4	5460.00	38.76	7.33	46.09	54.00	7.91	Average
5	5468.06	53.25	7.34	60.59	68.20	7.61	Peak
6	5470.00	52.42	7.34	59.76	68.20	8.44	Peak

802.11n ht40 MIMO, High Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11n40_U-NII-2C high channel 5670MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Ted Wang

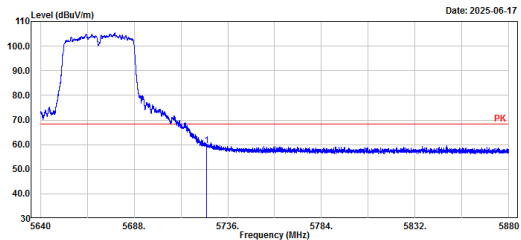


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	49.55	8.03	57.58	68.20	10.62	Peak

802.11n ht40 MIMO, High Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11n40_U-NII-2C high channel 5670MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 31QP-1
Tester: Ted Wang

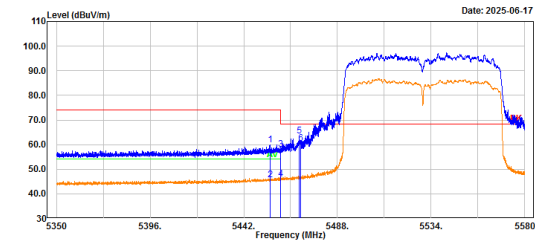


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	51.66	8.03	59.69	68.20	8.51	Peak

802.11ac vht80 MIMO, Low Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C low channel 5530MHz
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

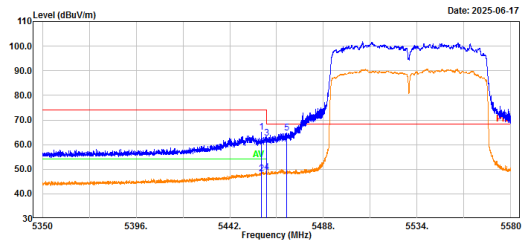


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5455.11	52.64	7.33	59.97	74.00	14.03	Peak
2	5455.11	38.45	7.33	45.78	54.00	8.22	Average
3	5460.00	50.60	7.33	57.93	74.00	16.07	Peak
4	5460.00	38.79	7.33	46.12	54.00	7.88	Average
5	5469.19	56.14	7.34	63.48	68.20	4.72	Peak
6	5470.00	53.00	7.34	60.34	68.20	7.86	Peak

802.11ac vht80 MIMO, Low Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C low channel 5530MHz
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 31QP-1
Tester: Ted Wang

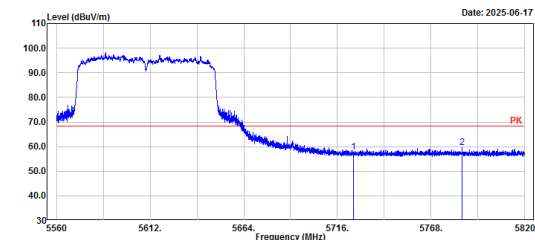


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5457.41	57.69	7.33	65.02	74.00	8.98	Peak
2	5457.41	40.91	7.33	48.24	54.00	5.76	Average
3	5460.00	55.25	7.33	62.58	74.00	11.42	Peak
4	5460.00	41.25	7.33	48.58	54.00	5.42	Average
5	5470.00	57.46	7.34	64.80	68.20	3.40	Peak

802.11ac vht80 MIMO, High Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C high channel 5610MHz
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 31QP-1
Tester: Ted Wang

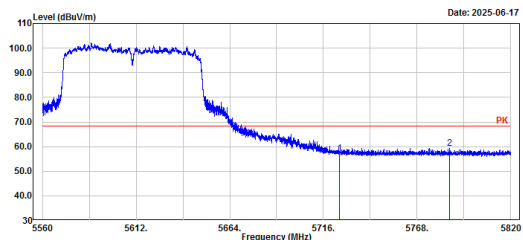


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	49.86	8.03	57.89	68.20	10.31	Peak
2	5785.26	51.35	8.11	59.46	68.20	8.74	Peak

802.11ac vht80 MIMO, High Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C high channel 5610MHz
Peak: RBW:1MHz, VBW:30Hz

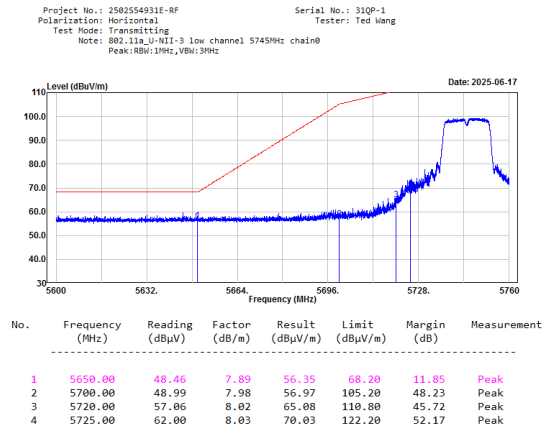
Serial No.: 31QP-1
Tester: Ted Wang



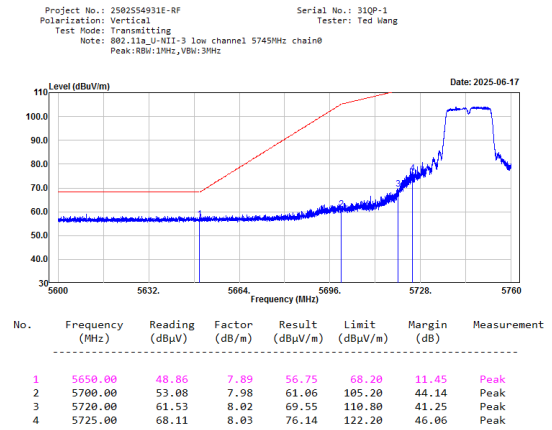
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	49.01	8.03	57.04	68.20	11.16	Peak
2	5786.15	51.32	8.11	59.43	68.20	8.77	Peak

5725-5850MHz:

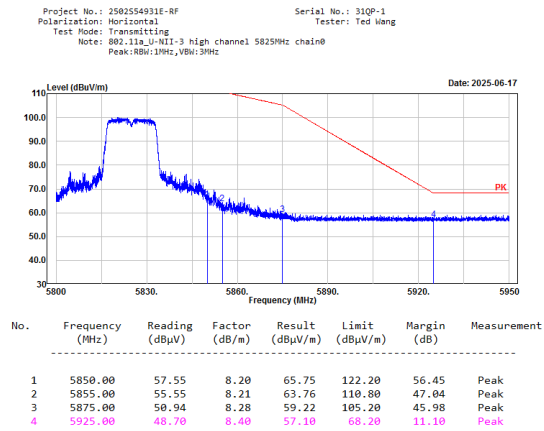
802.11a, Low Channel, Chain0, Bandedge, Horizontal



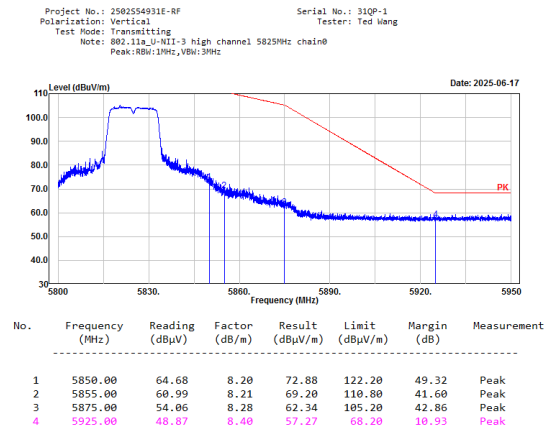
802.11a, Low Channel, Chain0, Bandedge, Vertical



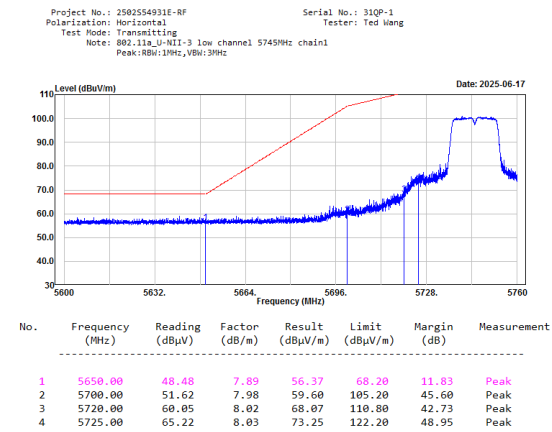
802.11a, High Channel, Chain0, Bandedge, Horizontal



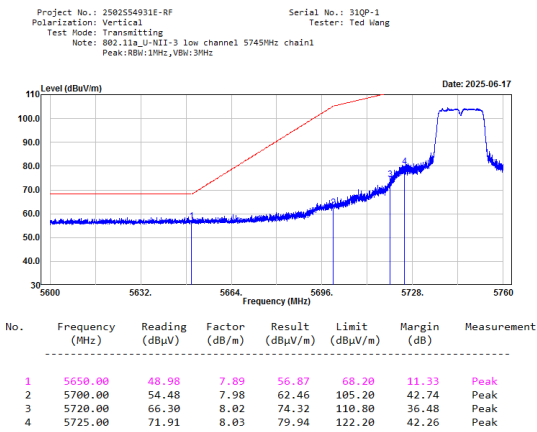
802.11a, High Channel, Chain0, Bandedge, Vertical



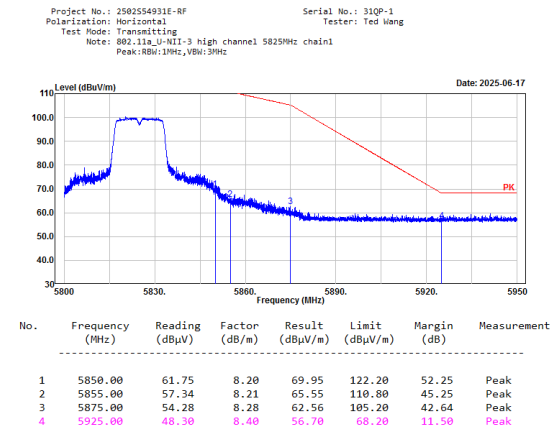
802.11a, Low Channel, Chain1, Bandedge, Horizontal



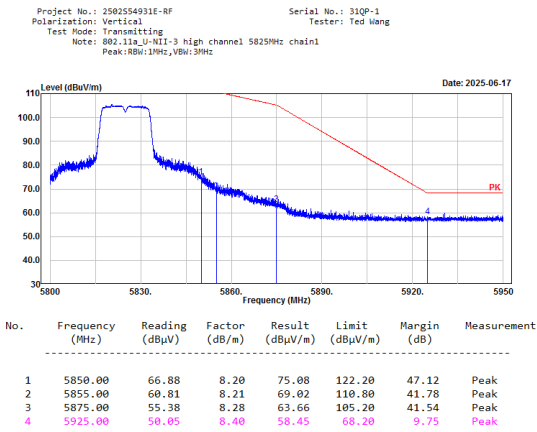
802.11a, Low Channel, Chain1, Bandedge, Vertical



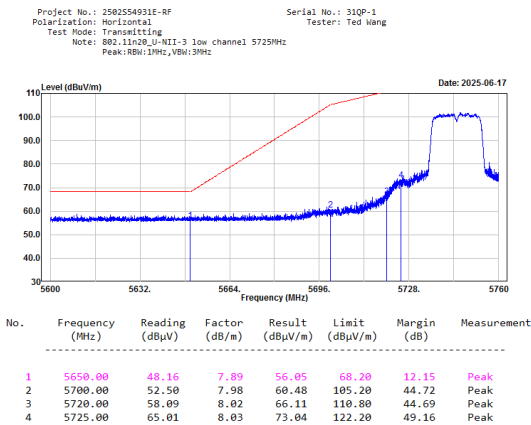
802.11a, High Channel, Chain1, Bandedge, Horizontal



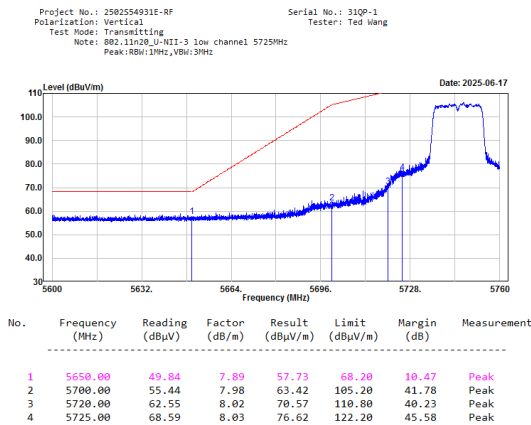
802.11a, High Channel, Chain1, Bandedge, Vertical



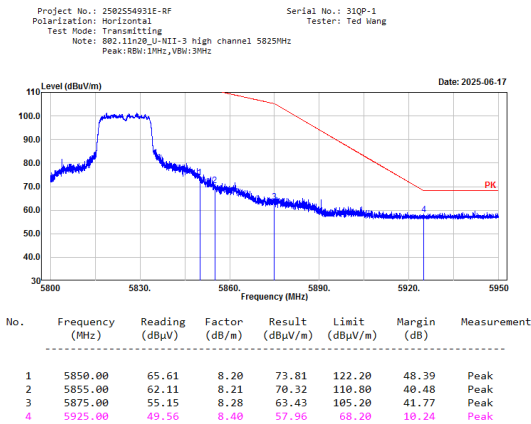
802.11n ht20 MIMO, Low Channel, Bandedge, Horizontal



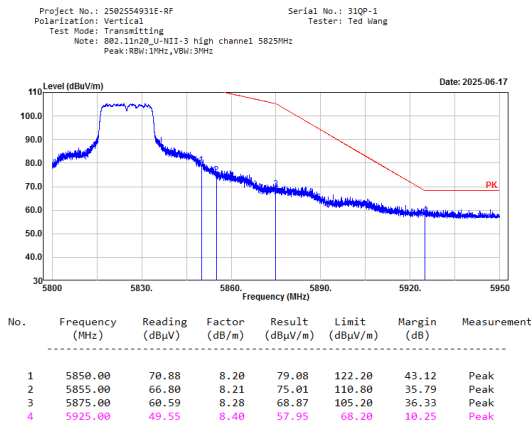
802.11n ht20 MIMO, Low Channel, Bandedge, Vertical



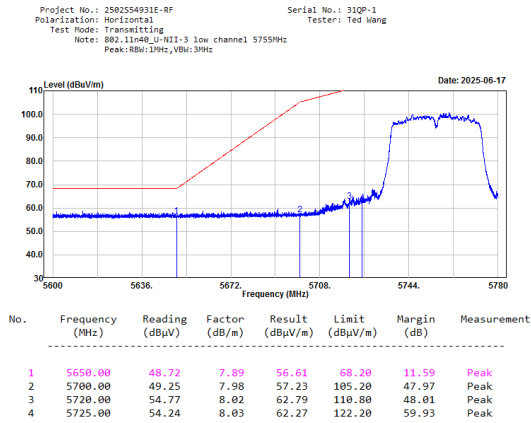
802.11n ht20 MIMO, High Channel, Bandedge, Horizontal



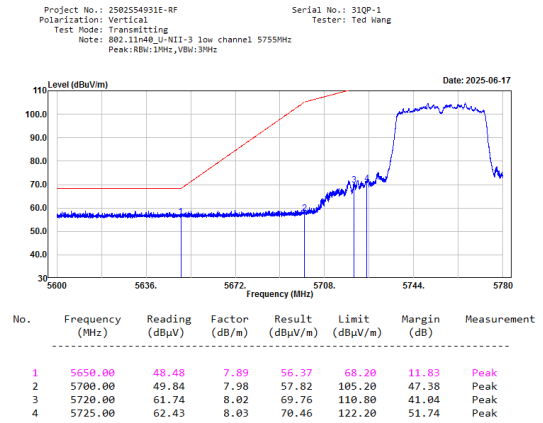
802.11n ht20 MIMO, High Channel, Bandedge, Vertical



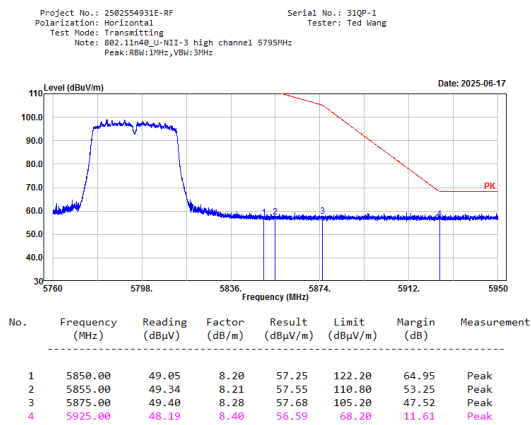
802.11n ht40 MIMO, Low Channel, Bandedge, Horizontal



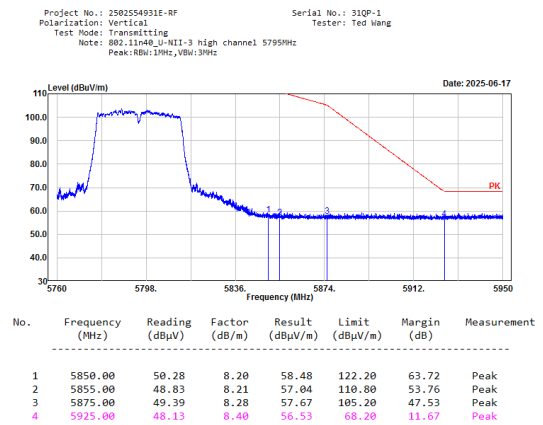
802.11n ht40 MIMO, Low Channel, Bandedge, Vertical



802.11n ht40 MIMO, High Channel, Bandedge, Horizontal



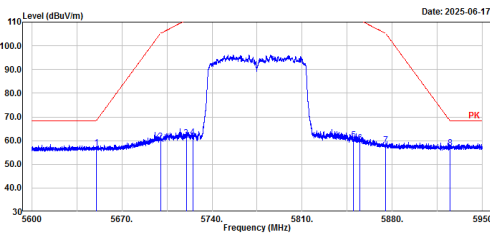
802.11n ht40 MIMO, High Channel, Bandedge, Vertical



802.11ac vht80 MIMO, Middle Channel, Bandedge, Horizontal

Project No.: 2502S54931E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:300Hz

Serial No.: 31QP-1
Tester: Ted Wang

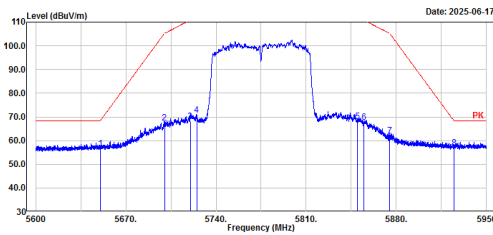


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	48.96	7.89	56.85	68.20	11.35	Peak
2	5700.00	51.51	7.98	59.49	105.20	45.71	Peak
3	5720.00	53.09	8.02	61.11	110.00	49.69	Peak
4	5725.00	53.39	8.03	61.42	122.20	60.78	Peak
5	5850.00	51.90	8.20	60.10	122.20	62.10	Peak
6	5855.00	50.80	8.21	59.01	110.00	51.79	Peak
7	5875.00	49.69	8.28	57.97	105.20	47.23	Peak
8	5925.00	48.44	8.40	56.84	68.20	11.36	Peak

802.11ac vht80 MIMO, Middle Channel, Bandedge, Vertical

Project No.: 2502S54931E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-3 middle channel 5775MHz
Peak:RBW:1MHz,VBW:300Hz

Serial No.: 31QP-1
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	48.80	7.89	56.69	68.20	11.51	Peak
2	5700.00	59.37	7.98	67.35	105.20	37.85	Peak
3	5720.00	59.94	8.02	67.96	110.00	42.04	Peak
4	5725.00	62.82	8.03	70.85	122.20	51.35	Peak
5	5850.00	59.87	8.20	68.07	122.20	54.13	Peak
6	5855.00	59.52	8.21	67.73	110.00	43.07	Peak
7	5875.00	53.71	8.28	61.99	105.20	43.21	Peak
8	5925.00	48.61	8.40	57.01	68.20	11.19	Peak

5.3 Emission Bandwidth

Test Information:

Serial No.:	31QP-1	Test Date:	2025/06/08
Test Site:	RF	Test Mode:	Transmitting
Tester:	Conor Fu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.4	Relative Humidity: (%)	62	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	Spectrum Analyzer	FSV40	101461	2024/09/05	2025/09/04
Narda	Coaxial Attenuator	773-10	F-08-EM511	2025/06/07	2026/06/06

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

Test Data:

26dB Emission Bandwidth
5150-5250MHz

Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5180	25.303
		5200	19.820
		5240	18.569
	Chain 1	5180	18.519
		5200	18.619
		5240	18.569
802.11n ht20	Chain 0	5180	19.620
		5200	19.670
		5240	19.670
	Chain 1	5180	19.470
		5200	19.470
		5240	19.470
802.11n ht40	Chain 0	5190	41.842
		5230	41.341
	Chain 1	5190	40.741
		5230	40.541
802.11ac vht80	Chain 0	5210	81.682
	Chain 1	5210	82.082

5250-5350MHz

Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5260	25.355
		5280	25.414
		5320	26.164
	Chain 1	5260	25.582
		5280	25.544
		5320	26.036
802.11n ht20	Chain 0	5260	19.620
		5280	19.620
		5320	19.620
	Chain 1	5260	19.470
		5280	19.520
		5320	19.570
802.11n ht40	Chain 0	5270	41.642
		5310	41.642
	Chain 1	5270	40.340
		5310	40.340
802.11ac vht80	Chain 0	5290	81.882
	Chain 1	5290	82.082

5470-5725MHz

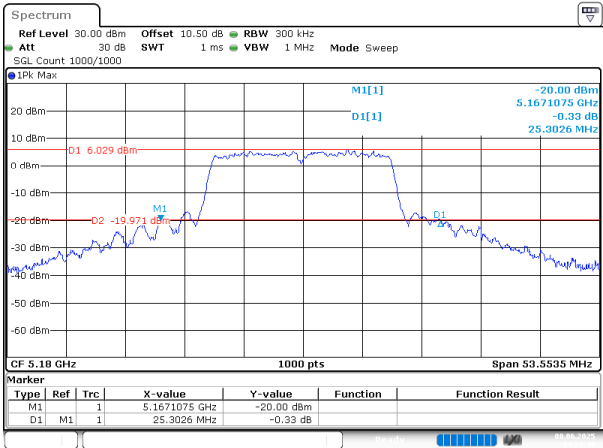
Mode	Antenna	Test Frequency (MHz)	Result (MHz)
802.11a	Chain 0	5500	33.479
		5580	26.803
		5700	23.096
		5720	23.046
	Chain 1	5500	21.936
		5580	25.505
		5700	23.315
		5720	19.970
802.11n ht20	Chain 0	5500	28.943
		5580	23.015
		5700	19.570
		5720	19.620
	Chain 1	5500	19.570
		5580	19.470
		5700	19.419
		5720	19.369
802.11n ht40	Chain 0	5510	51.445
		5550	46.547
		5670	41.742
		5710	41.642
	Chain 1	5510	40.440
		5550	40.440
		5670	40.440
		5710	40.440
802.11ac vht80	Chain 0	5530	82.282
		5610	81.882
		5690	82.483
	Chain 1	5530	82.282
		5610	82.082
		5690	82.282

6dB Emission Bandwidth
5725-5850MHz

Mode	Antenna	Test Frequency (MHz)	Result (MHz)	Limit (MHz)	Verdict
802.11a	Chain 0	5745	16.517	0.5	Pass
		5785	16.517	0.5	Pass
		5825	16.467	0.5	Pass
	Chain 1	5745	16.517	0.5	Pass
		5785	16.517	0.5	Pass
		5825	16.467	0.5	Pass
802.11n ht20	Chain 0	5745	17.768	0.5	Pass
		5785	17.768	0.5	Pass
		5825	17.768	0.5	Pass
	Chain 1	5745	17.668	0.5	Pass
		5785	17.668	0.5	Pass
		5825	17.668	0.5	Pass
802.11n ht40	Chain 0	5755	36.537	0.5	Pass
		5795	36.537	0.5	Pass
	Chain 1	5755	36.537	0.5	Pass
		5795	36.537	0.5	Pass
802.11ac vht80	Chain 0	5775	76.677	0.5	Pass
	Chain 1	5775	76.877	0.5	Pass

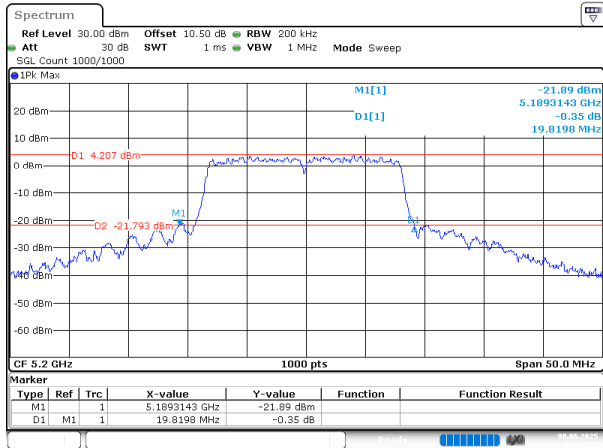
26dB Emission Bandwidth
5150-5250MHz

802.11a_5180MHz_Chain 0



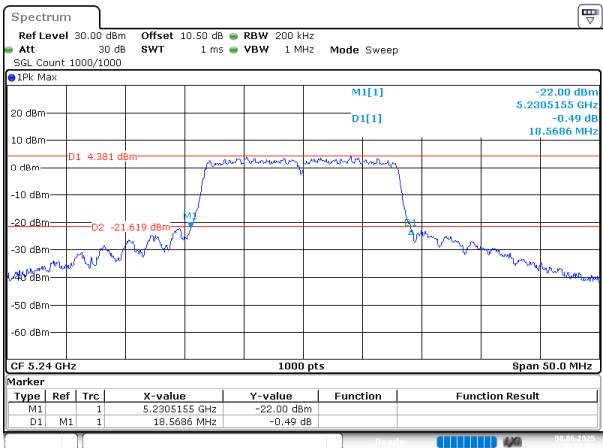
ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 14:21:49

802.11a_5200MHz_Chain 0



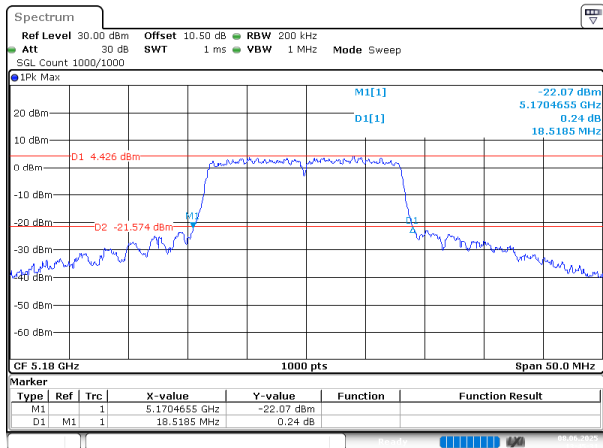
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802.11a_5240MHz_Chain 0



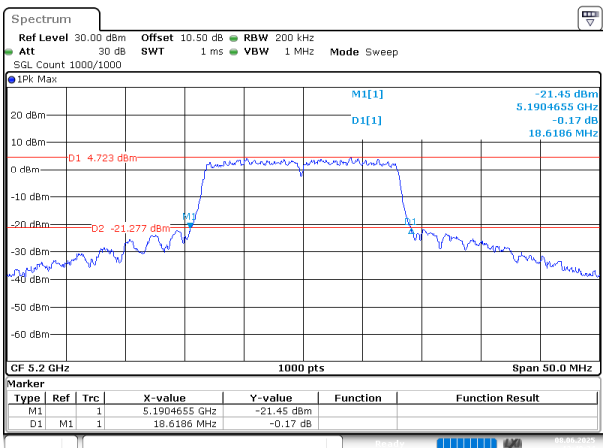
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802.11a_5180MHz_Chain 1



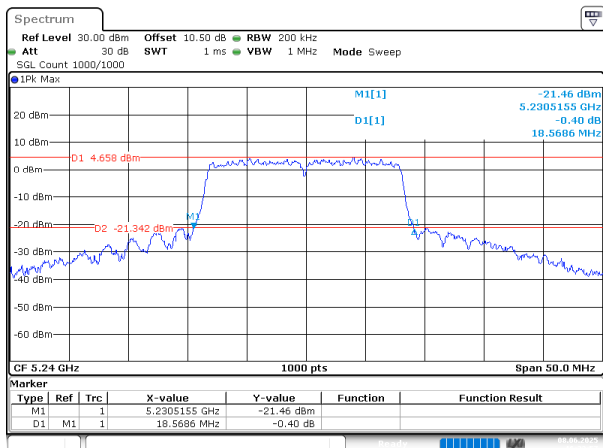
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Date: 8 JUN.2025 13:45:32

802.11a_5200MHz_Chain 1



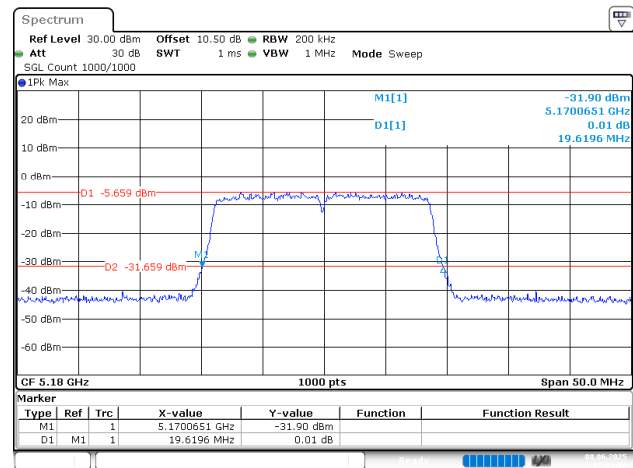
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Date: 8 JUN.2025 13:49:34

802.11a_5240MHz_Chain 1



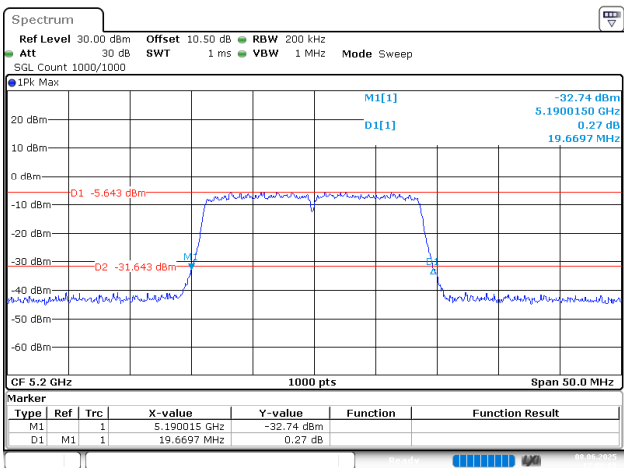
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Date: 8 JUN.2025 16:32:57

802.11n ht20_5180MHz_Chain 0



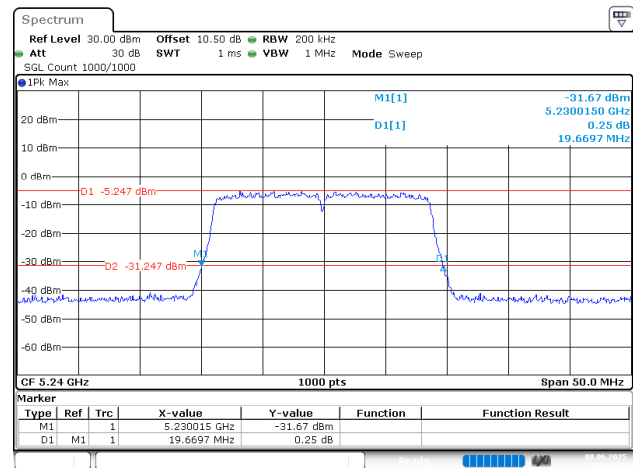
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802.11n ht20_5200MHz_Chain 0



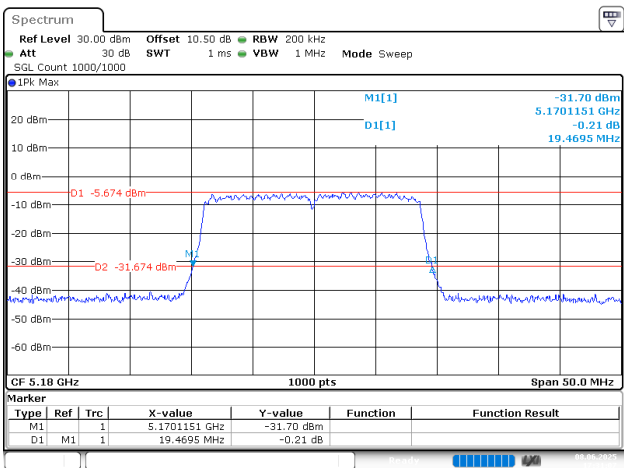
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Date: 8.JUN.2025 17:08:09

802.11n ht20_5240MHz_Chain 0



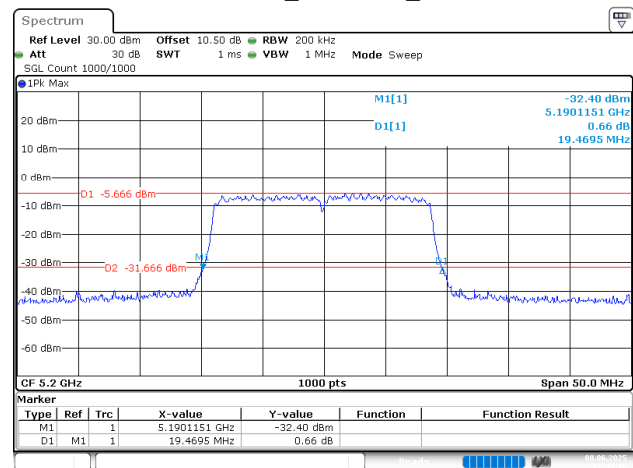
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802.11n ht20_5180MHz_Chain 1



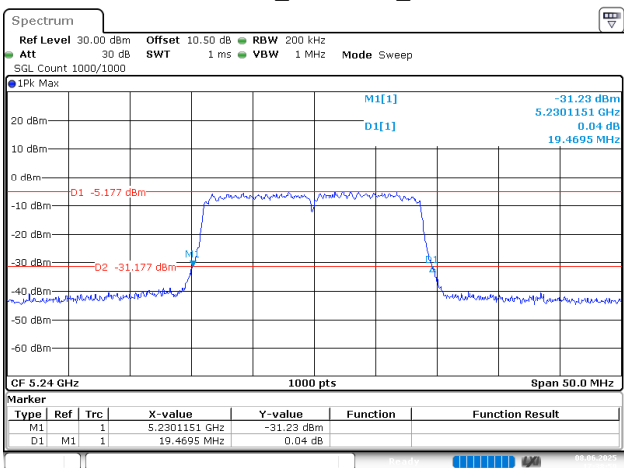
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802.11n ht20_5200MHz_Chain 1



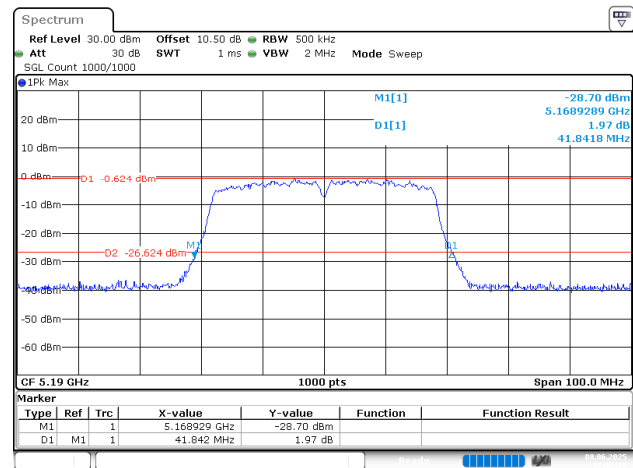
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802.11n ht20_5240MHz_Chain 1



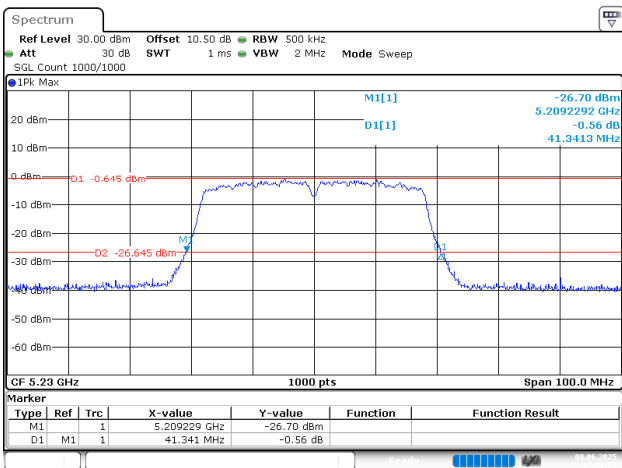
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802.11n ht40_5190MHz_Chain 0



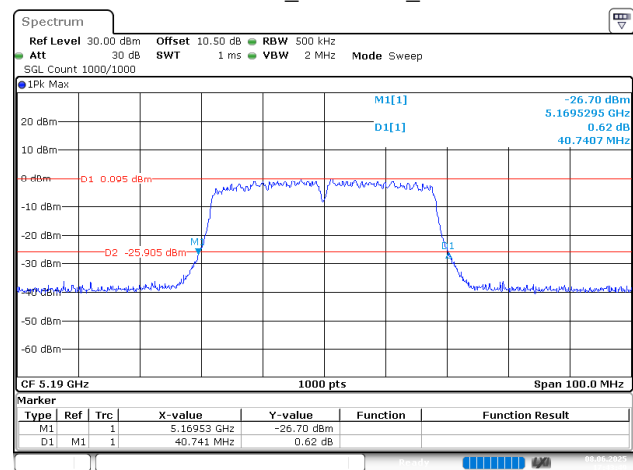
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802.11n ht40_5230MHz_Chain 0



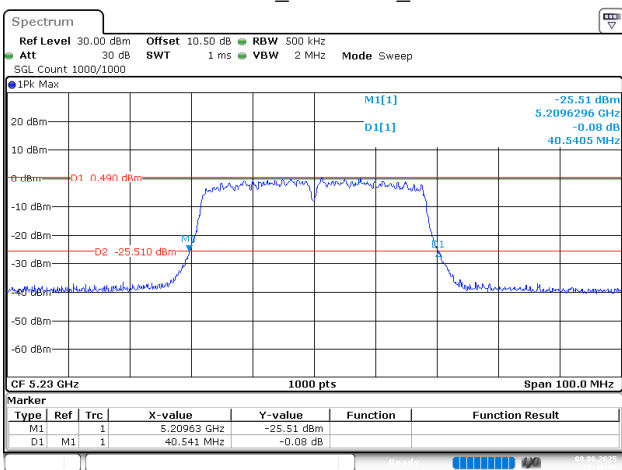
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Date: 8.JUN.2025 17:20:56

802.11n ht40_5190MHz_Chain 1



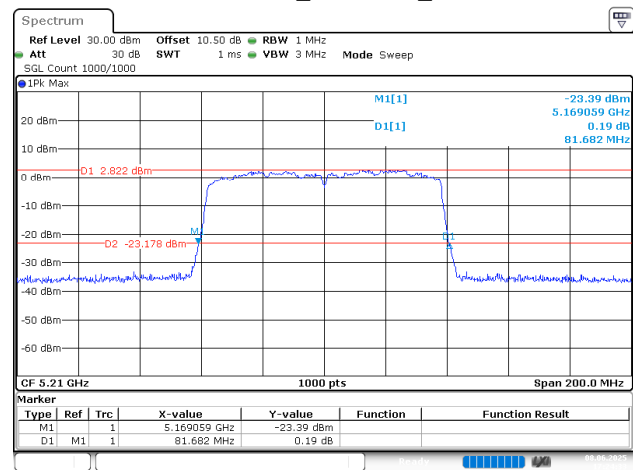
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Date: 8.JUN.2025 17:43:49

802.11n ht40_5230MHz_Chain 1



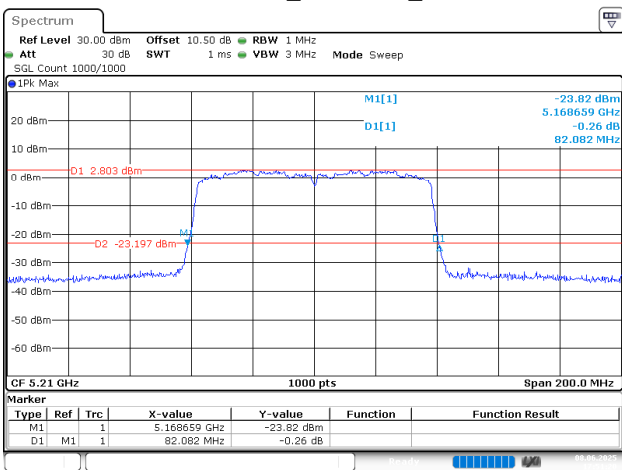
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Date: 8.JUN.2025 17:47:50

802.11ac vht80_5210MHz_Chain 0



ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8.JUN.2025 17:24:33

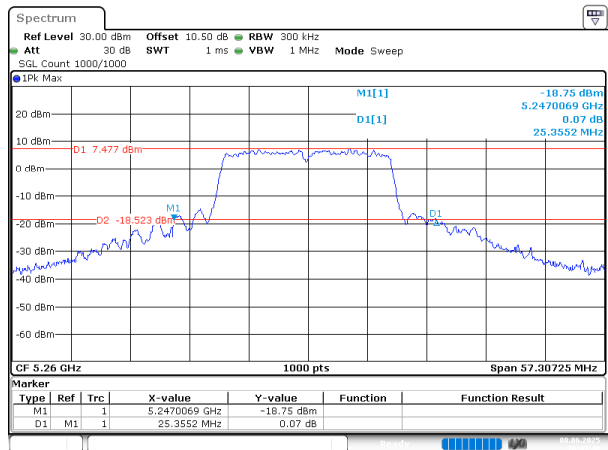
802.11ac vht80_5210MHz_Chain 1



ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8.JUN.2025 17:51:21

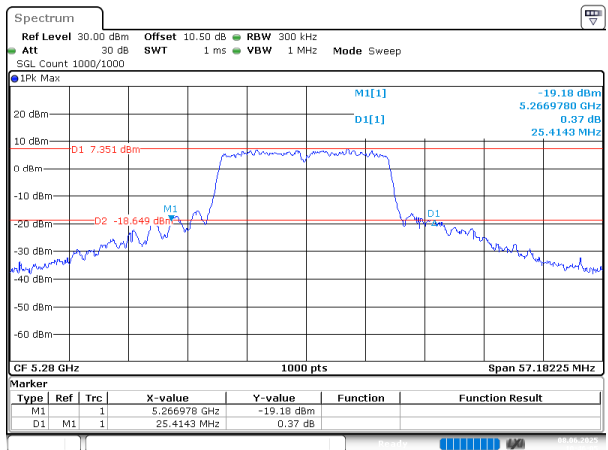
5250-5350MHz

802.11a_5260MHz_Chain 0



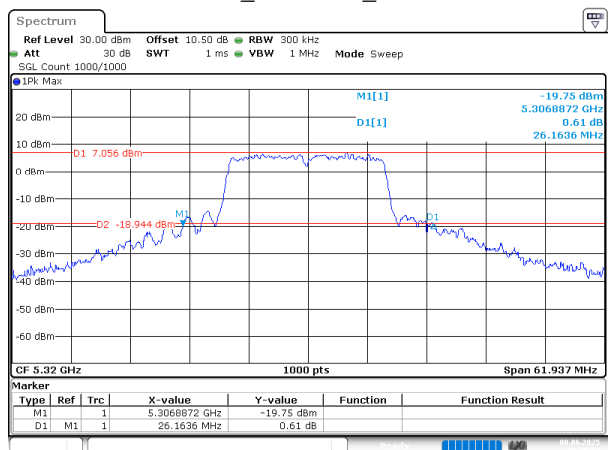
ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 10:43:41

802.11a_5280MHz_Chain 0



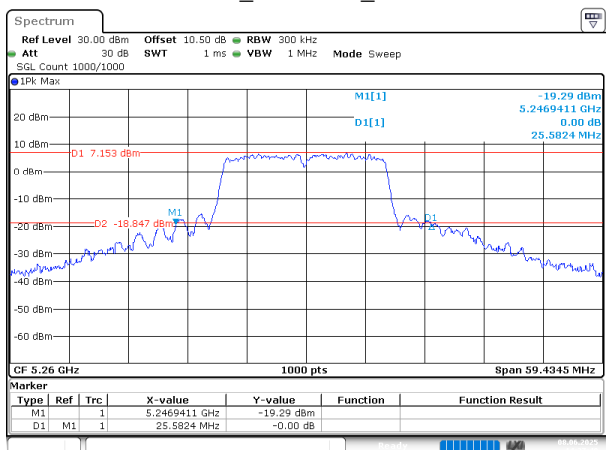
ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 10:46:06

802.11a_5320MHz_Chain 0



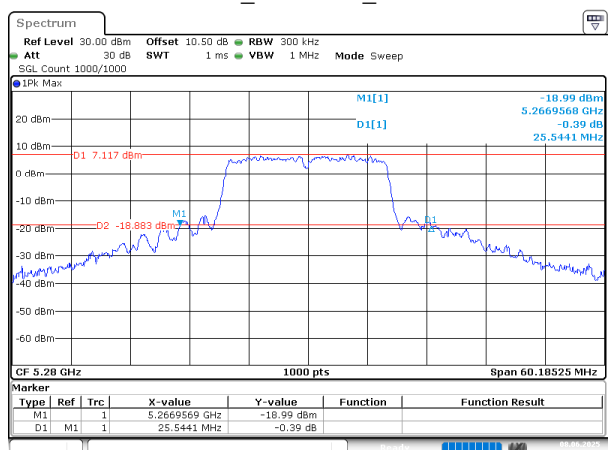
ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 10:48:05

802.11a_5260MHz_Chain 1



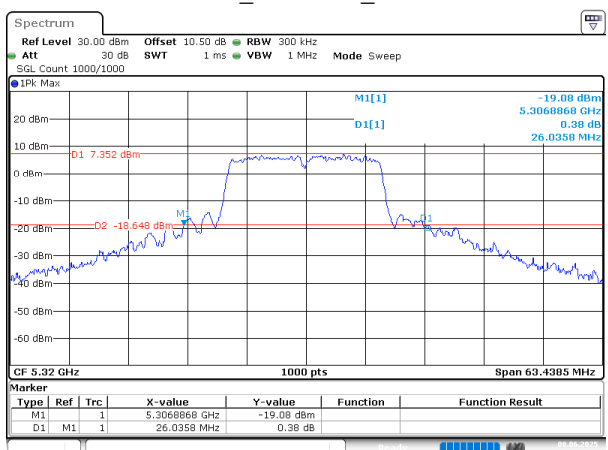
ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 14:27:40

802.11a_5280MHz_Chain 1



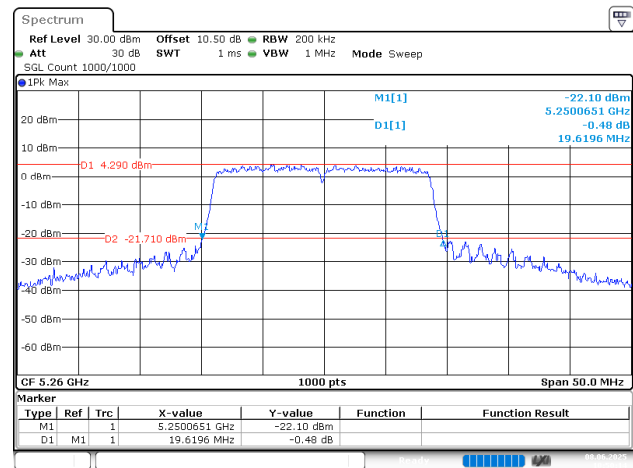
ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 14:29:42

802.11a_5320MHz_Chain 1

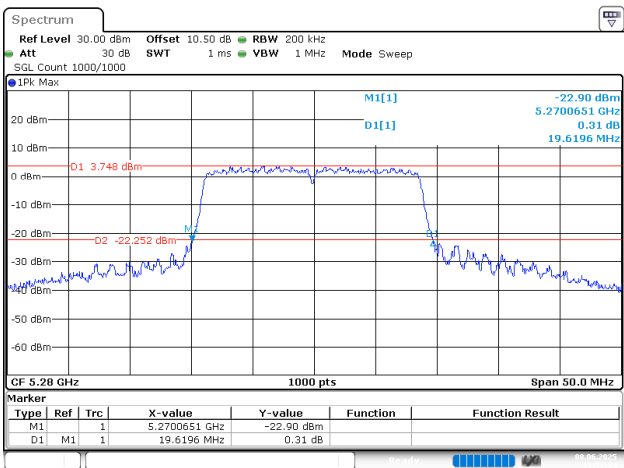


ProjectNo.:2502S54931E-RF Tester:Conor Fu
Date: 8 JUN.2025 14:31:15

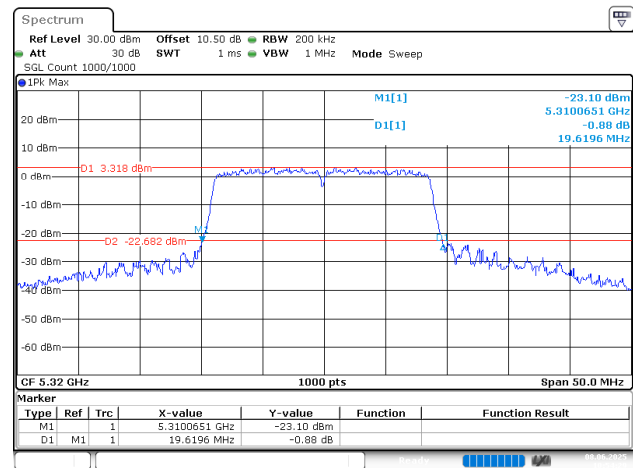
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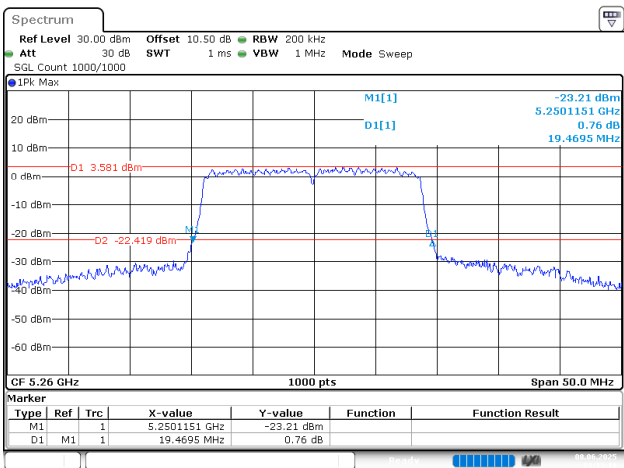
802.11n ht20_5280MHz_Chain 0



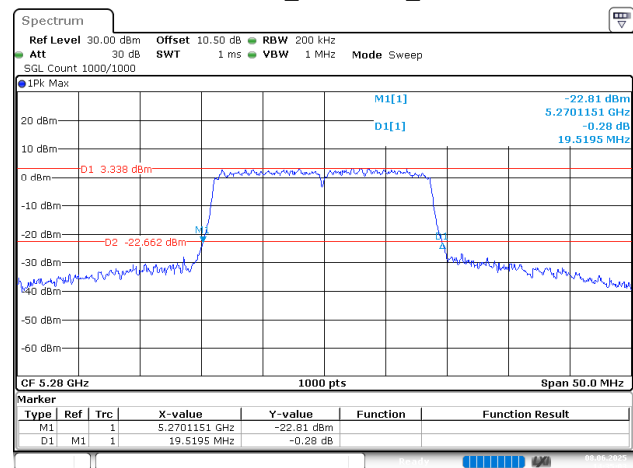
802.11n ht20_5320MHz_Chain 0



802.11n ht20_5260MHz_Chain 1



802.11n ht20_5280MHz_Chain 1



802.11n ht20_5320MHz_Chain 1

