

## TEST REPORT

**Applicant:** Shenzhen Xinguodu Technology Co., Ltd.

**Address:** 17B JinSong Mansion, Terra Industrial & Trade Park  
Chegongmiao, Futian District, Shenzhen, Guangdong, China.

**Product Name:** POS terminal

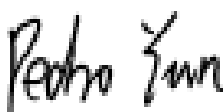
**FCC ID:** XDQN92-01

**Standard(s):** 47 CFR Part 15, Subpart E(15.407)  
ANSI C63.10-2013  
KDB 789033 D02 General U-NII Test Procedures New Rules  
v02r01

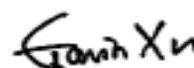
**Report Number:** 2402V85163E-RF-00DA1

**Report Date:** 2025/4/17

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



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## CONTENTS

<b>DOCUMENT REVISION HISTORY</b>	<b>4</b>
<b>1. GENERAL INFORMATION</b>	<b>5</b>
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	5
1.2 ACCESSORY INFORMATION	5
1.3 ANTENNA INFORMATION DETAIL▲	6
1.4 EQUIPMENT MODIFICATIONS	6
<b>2. SUMMARY OF TEST RESULTS</b>	<b>7</b>
<b>3. DESCRIPTION OF TEST CONFIGURATION</b>	<b>8</b>
3.1 OPERATION FREQUENCY DETAIL	8
3.2 EUT OPERATION CONDITION	9
3.3 SUPPORT EQUIPMENT LIST AND DETAILS	10
3.4 SUPPORT CABLE LIST AND DETAILS	10
3.5 BLOCK DIAGRAM OF TEST SETUP	11
3.6 TEST FACILITY	12
3.7 MEASUREMENT UNCERTAINTY	12
<b>4. REQUIREMENTS AND TEST PROCEDURES</b>	<b>13</b>
4.1 AC LINE CONDUCTED EMISSIONS	13
4.1.1 Applicable Standard	13
4.1.2 EUT Setup	14
4.1.3 EMI Test Receiver Setup	14
4.1.4 Test Procedure	15
4.1.5 Corrected Amplitude & Margin Calculation	15
4.1.6 Test Result	15
4.2 RADIATION SPURIOUS EMISSIONS	16
4.2.1 Applicable Standard	16
4.2.2 EUT Setup	17
4.2.3 EMI Test Receiver & Spectrum Analyzer Setup	19
4.2.4 Test Procedure	19
4.2.5 Corrected Result & Margin Calculation	20
4.2.6 Test Result	20
4.3 MAXIMUM CONDUCTED OUTPUT POWER	21
4.3.1 Applicable Standard	21
4.3.2 EUT Setup	21
4.3.3 Test Procedure	21
4.3.4 Test Result	21
4.4 DUTY CYCLE	22
4.4.1 EUT Setup	22
4.4.2 Test Procedure	22
4.4.3 Judgment	22
4.5 ANTENNA REQUIREMENT	23
4.5.1 Applicable Standard	23

4.5.2 Judgment .....	23
<b>5. Test DATA AND RESULTS .....</b>	<b>24</b>
<b>5.1 AC LINE CONDUCTED EMISSIONS.....</b>	<b>24</b>
<b>5.2 RADIATION SPURIOUS EMISSIONS.....</b>	<b>27</b>
<b>5.3 SPOT CHECK WITH MAXIMUM CONDUCTED OUTPUT POWER .....</b>	<b>88</b>
<b>5.4 DUTY CYCLE .....</b>	<b>89</b>
<b>EXHIBIT A - EUT PHOTOGRAPHS .....</b>	<b>90</b>
<b>EXHIBIT B - TEST SETUP PHOTOGRAPHS .....</b>	<b>91</b>

## DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2402V85163E-RF-00D	Original Report	2024/10/25
2.0	2402V85163E-RF-00DA1	CIIPC Report	2025/4/17

Note: This is a CIIPC report application which was based on the original report. The differences between them as following:

1. Antenna changes(Bluetooth & wifi & GPS antenna).
2. Minor circuitry for non-transmitter portions.
  - a. Added a secondary screen , Back camera(200W) and Top camera (200W).
  - b. Deleted Fingerprint module , Audio jack and related circuits.
  - c. Added eMMC and LPDDR4X.
- 3.Added a Battery(Model: GX11).

The changes between the previous device and the current one is stated and guaranteed by the Applicant, the differences between them will affect the test items, we will change the test data, test photos , and the EUT photos.

## 1. GENERAL INFORMATION

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

<b>EUT Name:</b>	POS terminal
<b>EUT Model:</b>	N92
<b>Operation Frequency:</b>	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)
<b>Maximum Average Conducted Output Power▲:</b>	15.62dBm(5150-5250MHz)
	14.36Bm(5250-5350MHz)
	11.81dBm(5470-5725MHz)
	14.59dBm(5725-5850MHz)
<b>Modulation Type:</b>	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM
<b>Rated Input Voltage:</b>	DC 7.2V from battery or DC 5V from adapter or DC 5V from Charging Base
<b>Serial Number:</b>	For Radiated Spurious Emission Below 1G Test: 2ZYH-2 (Configuration 2#) For RF Conducted /AC Line Conducted Emissions /Radiated Spurious Emission Above 1G Tests: 2ZYH-1 (Configuration 1#)
<b>EUT Received Date:</b>	2025/3/19
<b>EUT Received Status:</b>	Good

### 1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Adapter	SHENZHEN RUIJING INDUSTRIAL CO.,LTD	STC-A520A-Z	Input: 100-240Vac~50/60Hz 400mA Output: 5.0Vdc 2000mA
Battery 1#	Zhengzhou BAK Battery Co.,Ltd	GX12	Typical Capacity:3300mAh Rated Capacity:3200mAh Typical Energy:23.76Wh Nominal Energy:23.04Wh Output: DC 7.2V
Battery 2# (new)	Zhengzhou BAK Battery Co.,Ltd	GX11	Typical Capacity:2600mAh Rated Capacity:2500mAh Typical Energy:18.72Wh Nominal Energy:18Wh Output: DC 7.2V

Note: Battery 1# and battery 2# are available in all configurations.

**Optional Material:**

Material Description	Manufacturer	Parameter
Back Camera 1	/	500W
Back Camera 2	/	200W
Front Camera	/	200W
Top Camera	/	200W
eMMC 1	SAMSUNG	KLMBG2JETD-B041(32GB)
eMMC 2	FORESEE	FEMDNN032G-C9A55(32GB)
LPDDR4X 1	SAMSUNG	K4U6E3S4AB-MGCL(2GB)
LPDDR4X 2	ChangXin	CXDB4CBAM-MK-A(2GB)
Battery 1#	Zhengzhou BAK Battery Co.,Ltd	3300mAh
Battery 2#	Zhengzhou BAK Battery Co.,Ltd	2600mAh

**EUT Information:**

The following Configuration were select to test:

Items	Configuration 1# (old)	Configuration 2# (new)	Configuration 3# (new)
Front Camera	200W	200W	×
Back camera	500W	200W	200W
Top Camera	×	×	200W
Secondary screen	×	√	√
Fingerprint module	√	×	×
Audio jack	√	×	×
Flash lamp	√	×	√
Printer	√	×	×
Battery	Battery 1#	Battery 2#	Battery 1#
eMMC	SAMSUNG	FORESEE	FORESEE
LPDDR4X	SAMSUNG	ChangXin	ChangXin

**1.3 Antenna Information Detail ▲**

Antenna Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Shenzhen Xinguodu Technology Co., Ltd.	FPC	50	5.15~5.25GHz	4.75dBi
			5.25~5.35 GHz	4.48dBi
			5.47~5.725 GHz	2.48dBi
			5.725~5.85 GHz	1.54dBi

**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	Reporting
FCC§15.407 (a)	Power Spectral Density	Compliant*
§15.203	Antenna Requirement	Compliant
<p>Note 1: For AC line conducted emissions and Radiated Spurious Emissions 9kHz~1GHz and 18~40GHz, the maximum output power mode and channel was tested.</p> <p>Note 2: Per BT report, Powered by Adapter was the worst, so only performed it.</p> <p>Note 3: Per BLE report, for AC Line Conducted Emissions , Configuration 2# &amp; Battery 2# was the worst, and for Radiated Spurious Emissions Below 1G, Configuration 3# &amp; Battery 1# was the worst, so only performed it.</p> <p>Note 4: Compliant*: The change of the EUT does not affect the test result, please refer to the original report: 2402V85163E-RF-00D▲.</p>		

### 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 band 5470-5725MHz and 5725-5850 MHz, Conducted output power/ Power Spectral Density/bandwidth test with the additional channel to compliance with stricter limit of the two bands(5470-5725MHz more stricter).



### 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:		WIFI Tool for MT3031.exe		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲：				
5150-5250 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5180	6Mbps	19
	Middle	5200	6Mbps	19
	Highest	5240	6Mbps	19
802.11n ht20	Lowest	5180	MCS0	19
	Middle	5200	MCS0	19
	Highest	5240	MCS0	19
802.11n ht40	Lowest	5190	MCS0	17
	Highest	5230	MCS0	17
802.11ac vht80	Middle	5210	MCS0	17
5250-5350 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5260	6Mbps	18
	Middle	5280	6Mbps	18
	Highest	5320	6Mbps	18
802.11n ht20	Lowest	5260	MCS0	18
	Middle	5280	MCS0	18
	Highest	5320	MCS0	18
802.11n ht40	Lowest	5270	MCS0	17
	Highest	5310	MCS0	17
802.11ac vht80	Middle	5290	MCS0	15

5470-5725 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5500	6Mbps	15
	Middle	5580	6Mbps	15
	Highest	5700	6Mbps	15
	Cross	5720	6Mbps	15
802.11n ht20	Lowest	5500	MCS0	15
	Middle	5580	MCS0	15
	Highest	5700	MCS0	15
	Cross	5720	MCS0	15
802.11n ht40	Lowest	5510	MCS0	16
	Middle	5550	MCS0	16
	Highest	5670	MCS0	16
	Cross	5710	MCS0	16
802.11ac vht80	Lowest	5530	MCS0	15
	Highest	5610	MCS0	15
	Cross	5690	MCS0	15
5725-5850 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5745	6Mbps	20
	Middle	5785	6Mbps	20
	Highest	5825	6Mbps	20
802.11n ht20	Lowest	5745	MCS0	20
	Middle	5785	MCS0	20
	Highest	5825	MCS0	20
802.11n ht40	Lowest	5755	MCS0	19
	Highest	5795	MCS0	19
802.11ac vht80	Middle	5775	MCS0	17
Note: 1. The system support 802.11a/n ht20/n ht40/ac vht20/vht40/vht80, the vht20/vht40 were reduced since the identical parameters with 802.11n ht20 and ht40. 2. The above are the worst-case data rates, which are determined for each mode based upon investigations by measuring the average power and PSD across all data rates, bandwidths, and modulations.				

### 3.3 Support Equipment List and Details

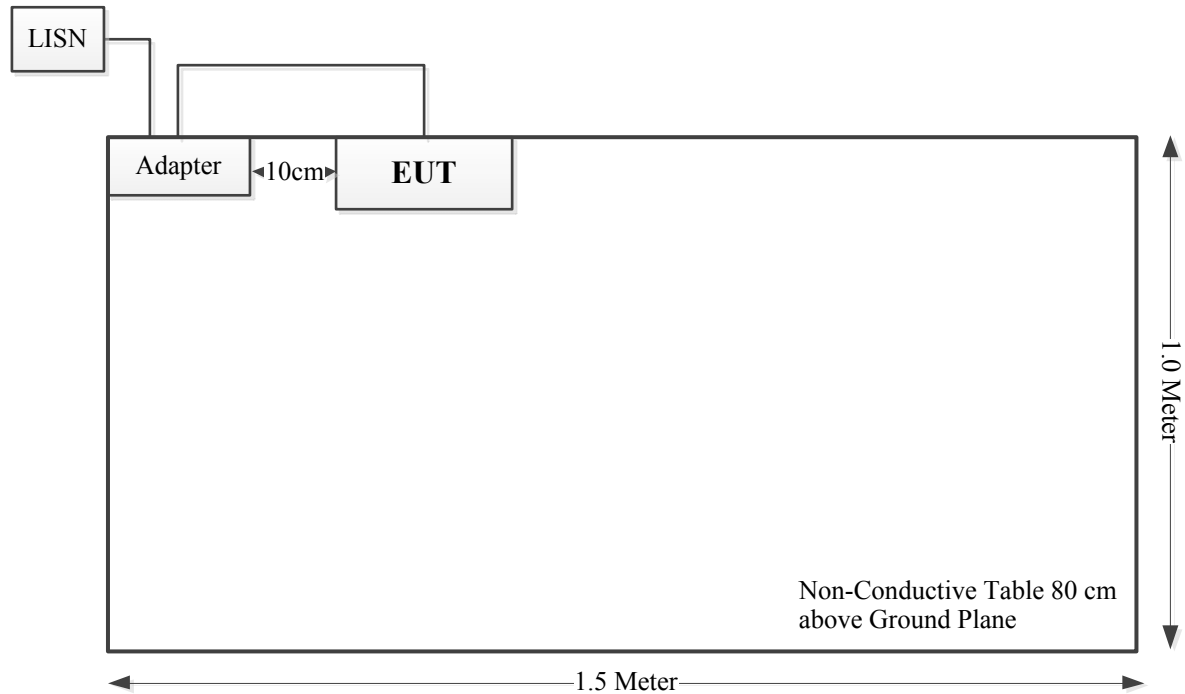
Manufacturer	Description	Model	Serial Number
/	/	/	/

### 3.4 Support Cable List and Details

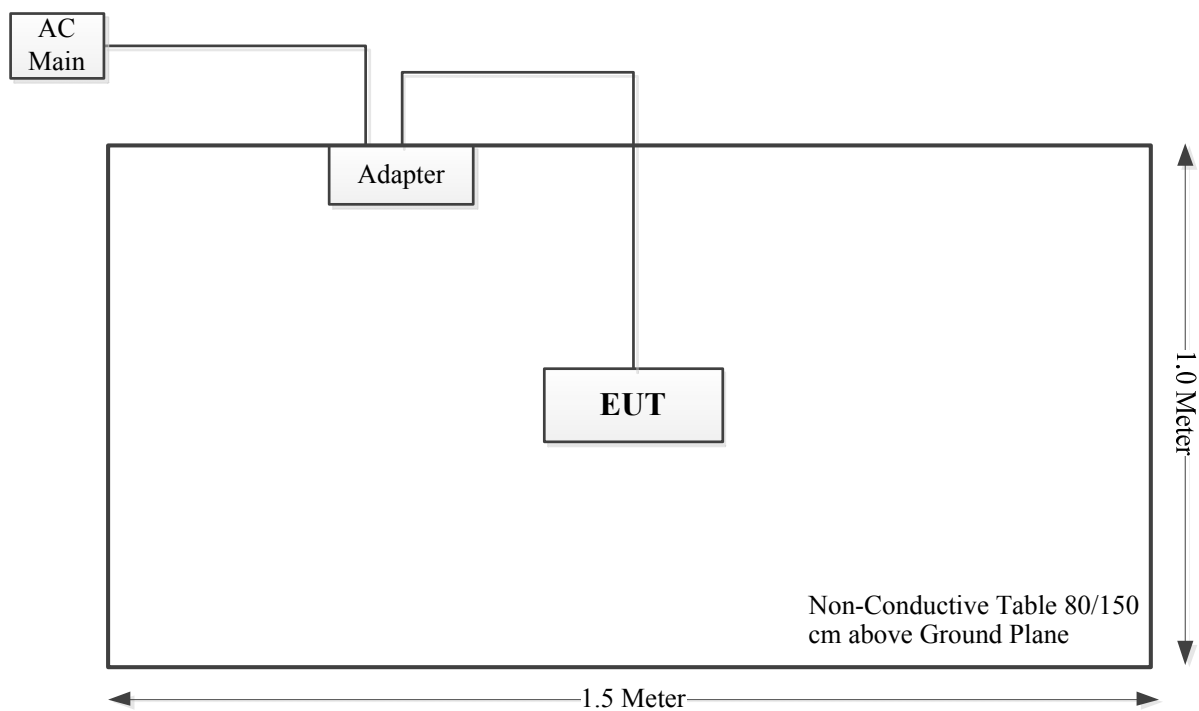
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
USB Cable	no	no	1.5	Adapter	EUT

### 3.5 Block Diagram of Test Setup

AC Line Conducted Emissions:



Radiated Spurious Emission:



### 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  $\mu$ 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 $\mu$ 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:

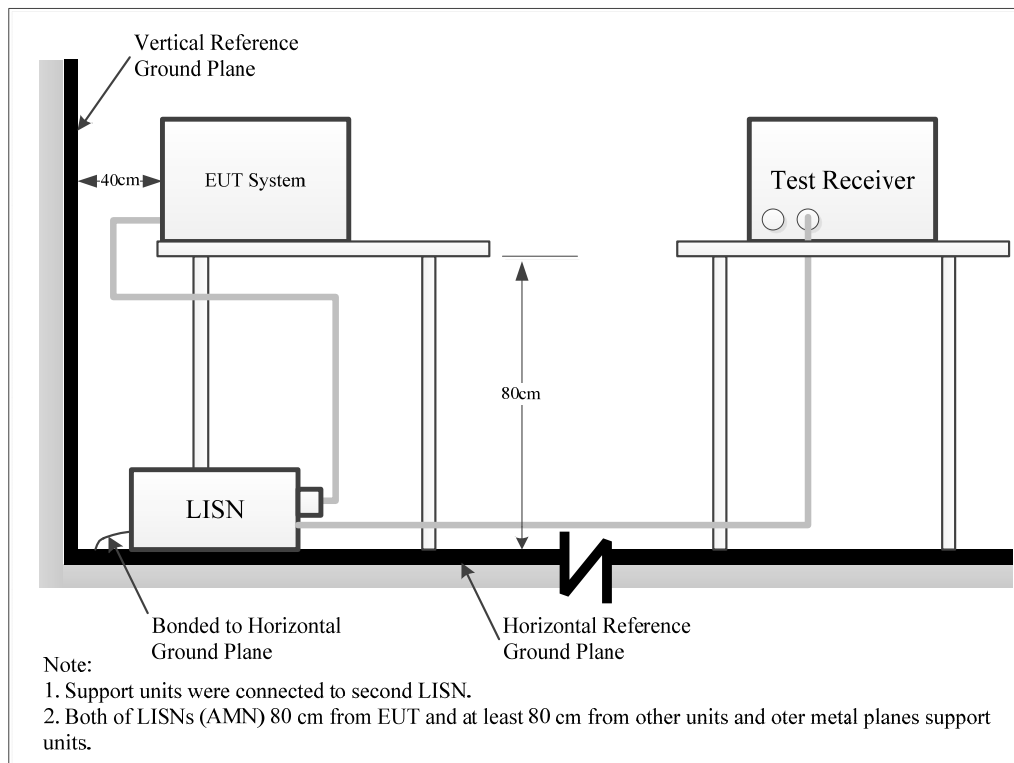
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

(2) For all other carrier current systems: 1000  $\mu$ V within the frequency band 535-1705 kHz, as measured using a 50  $\mu$ 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 C63.10-2013 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);

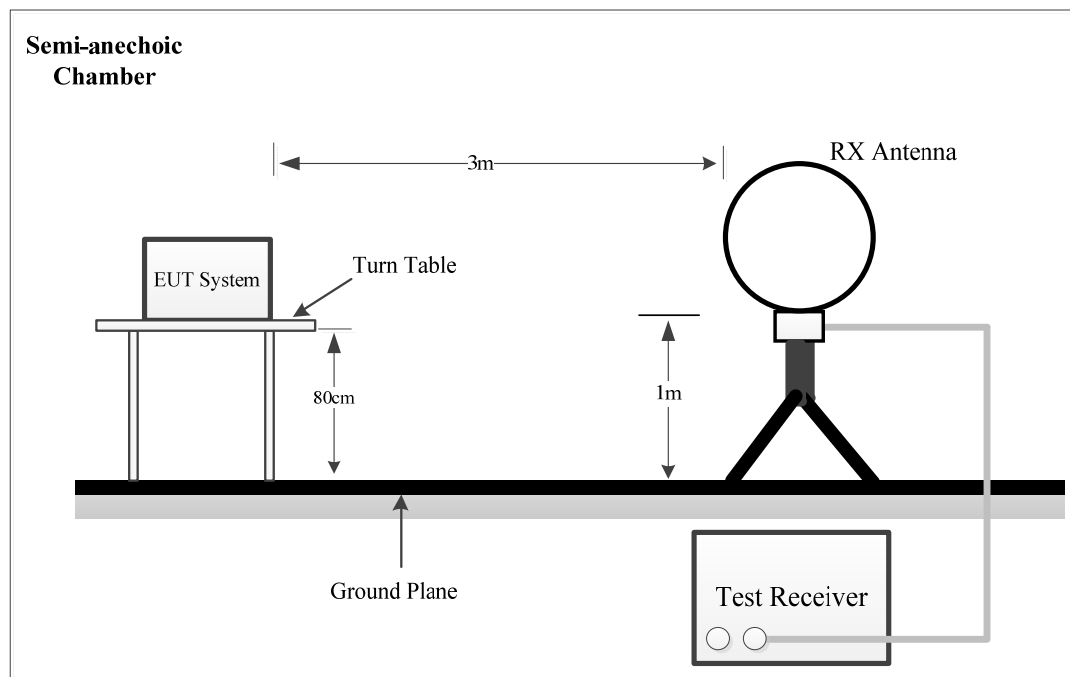
*Undesirable emission limits.* Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (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.

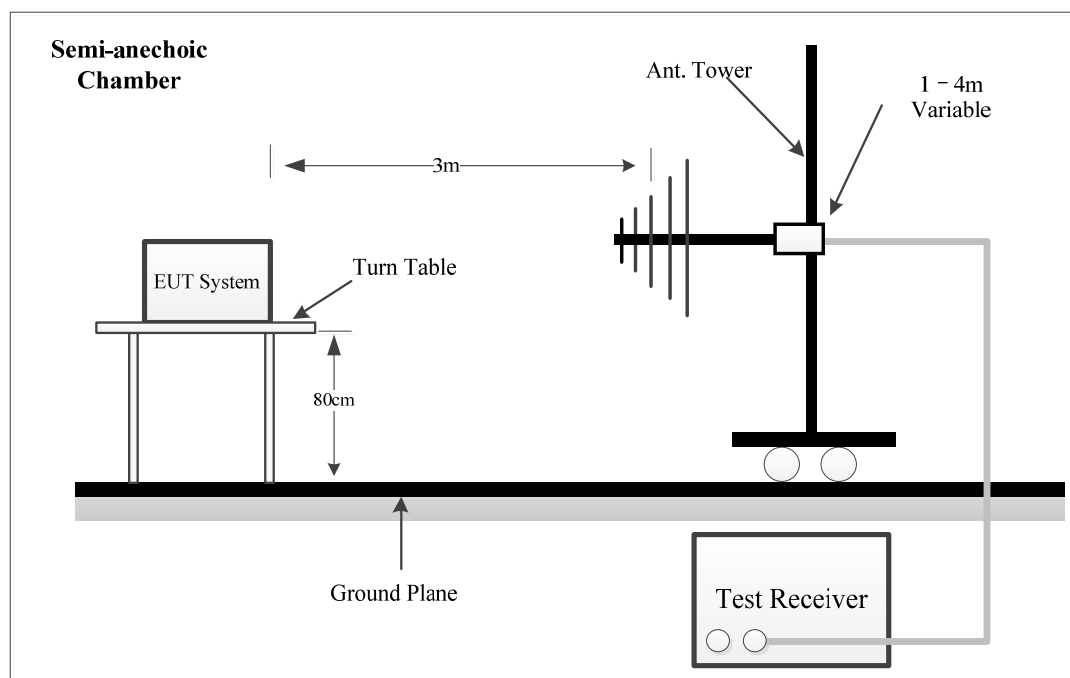


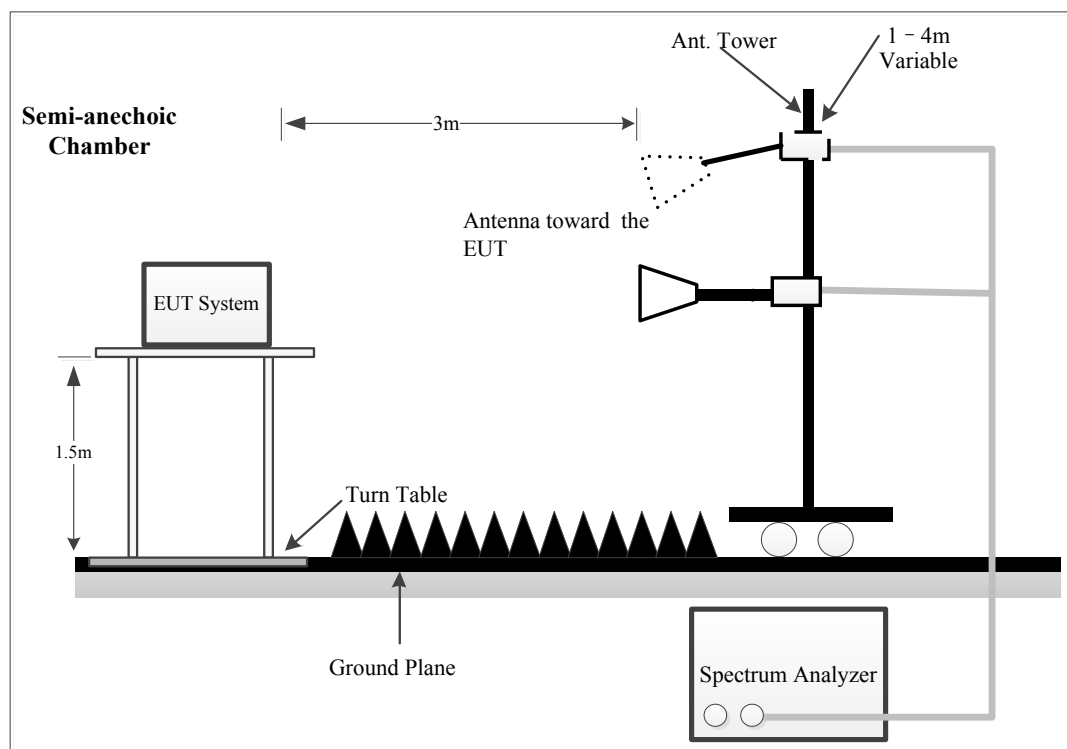
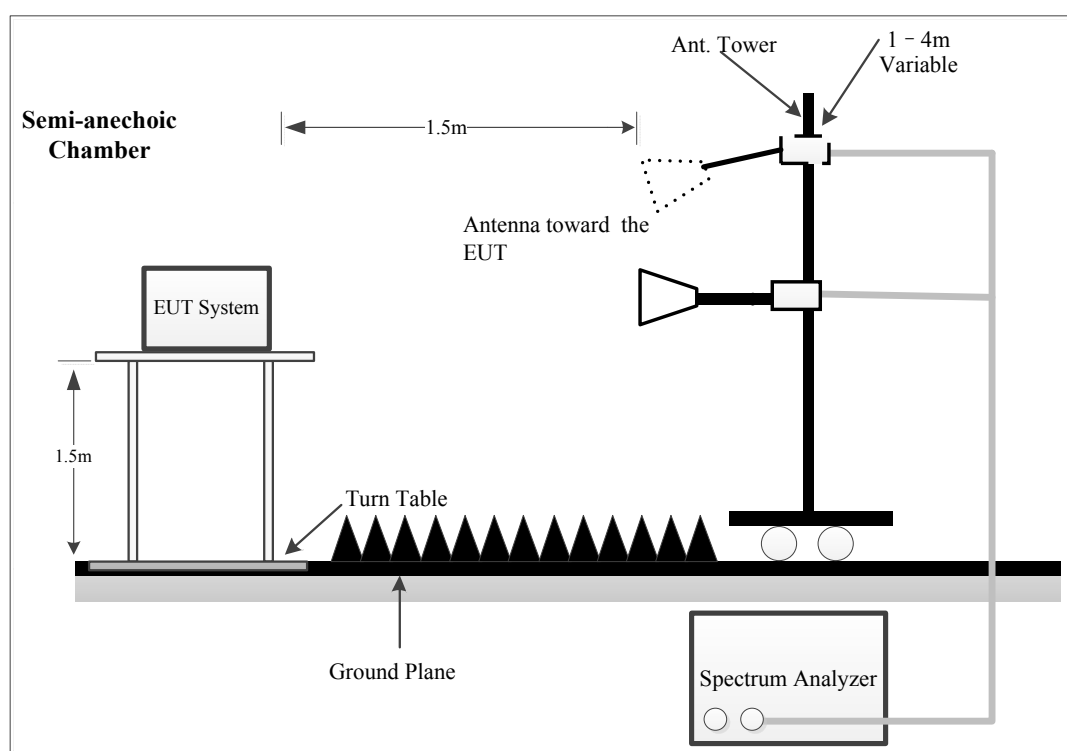
#### 4.2.2 EUT Setup

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 C63.10-2013. The specification used was FCC 15.209, FCC 15.407 limits.

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

The spacing between the peripherals was 10 cm.

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

#### 4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9kHz-1000MHz:

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

1GHz- 40GHz:

Pre-scan:

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

Final measurement for emission identified during the pre-scan:

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

Note: T is minimum transmission duration

#### 4.2.4 Test Procedure

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

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

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

For Radiated 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 Maximum Conducted Output Power

#### 4.3.1 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.

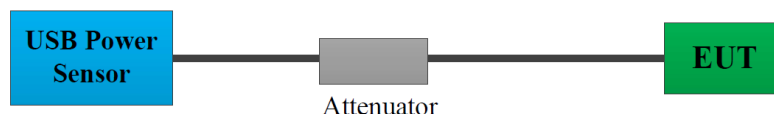
##### FCC §15.407(a) (2)

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.

#### 4.3.2 EUT Setup



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

#### 4.3.3 Test Procedure

According to ANSI C63.10-2013 Section 12.3.3.1

Method PM-G is measurement using a gated RF average power meter.

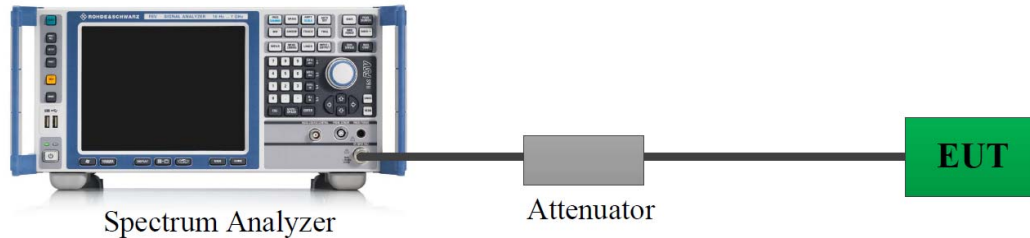
Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Because the measurement is made only during the ON time of the transmitter, no duty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

#### 4.3.4 Test Result

Please refer to section 5.3.

## 4.4 Duty Cycle

### 4.4.1 EUT Setup



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

### 4.4.2 Test Procedure

According to ANSI C63.10-2013 Section 12.2

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the ON and OFF times of the transmitted signal:

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set  $RBW \geq OBW$  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  $T \leq 16.7 \mu s$ .)

### 4.4.3 Judgment

Report Only. Please refer to section 5.4.

## **4.5 Antenna Requirement**

### **4.5.1 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.

### **4.5.2 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:	2ZYH-1	Test Date:	2025/04/01
Test Site:	CE	Test Mode:	Transmitting
Tester:	Yukin Qiu	Test Result:	Pass

#### Environmental Conditions:

Temperature: (°C)	21.4	Relative Humidity: (%)	41	ATM Pressure: (kPa)	101.4
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#### Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2024/9/5	2025/9/4
MICRO-COAX	Coaxial Cable	C-NJNJ-50	C-0200-01	2024/9/5	2025/9/4
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).*

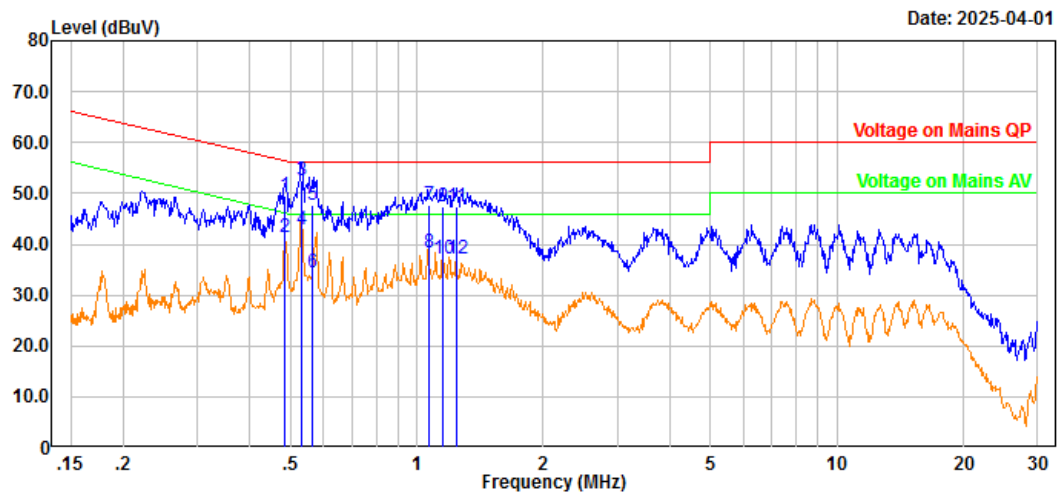
#### Test Data:

*Note: 802.11n20 5200MHz was tested.*



Project No.: 2402V85163E-RF-A1  
Port: Line  
Test Mode: Transmitting  
IF B/W 9KHz PK/AV

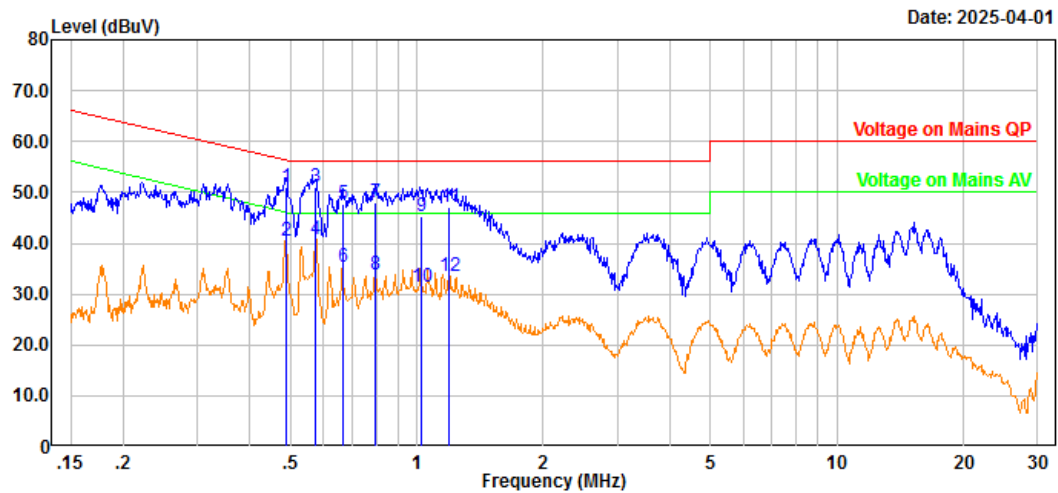
Serial No.: 2ZYH-1  
Tester: Yukin Qiu



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.49	38.77	10.84	49.61	56.24	6.63	QP
2	0.49	30.61	10.84	41.45	46.24	4.79	Average
3	0.53	41.78	10.83	52.61	56.00	3.39	QP
4	0.53	31.94	10.83	42.77	46.00	3.23	Average
5	0.57	36.73	10.83	47.56	56.00	8.44	QP
6	0.57	23.45	10.83	34.28	46.00	11.72	Average
7	1.07	36.84	10.85	47.69	56.00	8.31	QP
8	1.07	27.50	10.85	38.35	46.00	7.65	Average
9	1.15	36.45	10.85	47.30	56.00	8.70	QP
10	1.15	26.32	10.85	37.17	46.00	8.83	Average
11	1.24	36.51	10.84	47.35	56.00	8.65	QP
12	1.24	26.36	10.84	37.20	46.00	8.80	Average

Project No.: 2402V85163E-RF-A1  
Port: neutral  
Test Mode: Transmitting  
IF B/W 9KHz PK/AV

Serial No.: 2ZYH-1  
Tester: Yukin Qiu



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.49	40.19	10.74	50.93	56.20	5.27	QP
2	0.49	29.67	10.74	40.41	46.20	5.79	Average
3	0.57	40.31	10.73	51.04	56.00	4.96	QP
4	0.57	29.88	10.73	40.61	46.00	5.39	Average
5	0.67	36.81	10.75	47.56	56.00	8.44	QP
6	0.67	24.47	10.75	35.22	46.00	10.78	Average
7	0.80	37.24	10.78	48.02	56.00	7.98	QP
8	0.80	22.90	10.78	33.68	46.00	12.32	Average
9	1.03	34.55	10.85	45.40	56.00	10.60	QP
10	1.03	20.52	10.85	31.37	46.00	14.63	Average
11	1.19	36.15	10.86	47.01	56.00	8.99	QP
12	1.19	22.66	10.86	33.52	46.00	12.48	Average

## 5.2 Radiation Spurious Emissions

### 1) 9kHz - 1GHz

Serial Number:	2ZYH-2	Test Date:	2025/3/29
Test Site:	Chamber10m	Test Mode:	Transmitting
Tester:	Willem Qiu	Test Result:	Pass

#### Environmental Conditions:

Temperature: (°C)	23.8	Relative Humidity: (%)	49	ATM Pressure: (kPa)	101.3
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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 refer to table and plots.

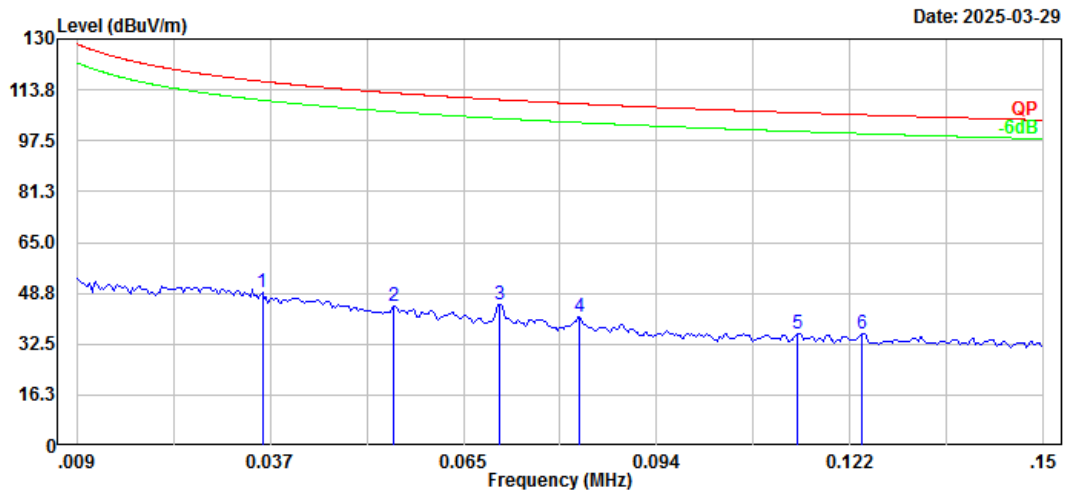
Note: 802.11n20 5200MHz was tested.

**9kHz~30MHz**

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

Project No.: 2402V85163E-RF-A1  
Polarization: Parallel  
Test Mode: Transmitting  
Note:  
RBW:300Hz VBW:1kHz

Serial No.: 2ZYH-2  
Tester: Willem Qiu

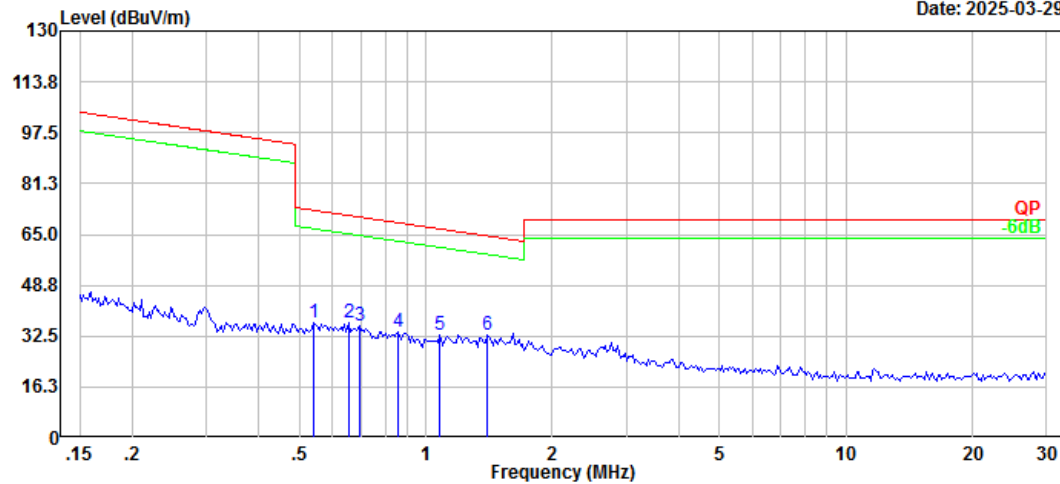


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.036	2.59	46.47	49.06	116.46	67.40	Peak
2	0.055	1.32	43.15	44.47	112.76	68.29	Peak
3	0.071	4.73	40.46	45.19	110.61	65.42	Peak
4	0.082	2.57	38.51	41.08	109.29	68.21	Peak
5	0.114	1.21	34.62	35.83	106.45	70.62	Peak
6	0.123	1.66	34.10	35.76	105.77	70.01	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Parallel  
Test Mode: Transmitting  
Note:  
RBW:10kHz VBW:30kHz

Serial No.: 2ZYH-2  
Tester: Willem Qiu

Date: 2025-03-29



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.541	13.51	23.10	36.61	72.93	36.32	Peak
2	0.654	14.70	21.92	36.62	71.24	34.62	Peak
3	0.697	14.34	21.49	35.83	70.67	34.84	Peak
4	0.862	14.43	19.32	33.75	68.79	35.04	Peak
5	1.077	16.77	16.22	32.99	66.82	33.83	Peak
6	1.403	18.31	14.77	33.08	64.47	31.39	Peak

**30MHz-1GHz**

Project No.: 2402V85163E-RF-A1

Serial No.: 2ZYH-2

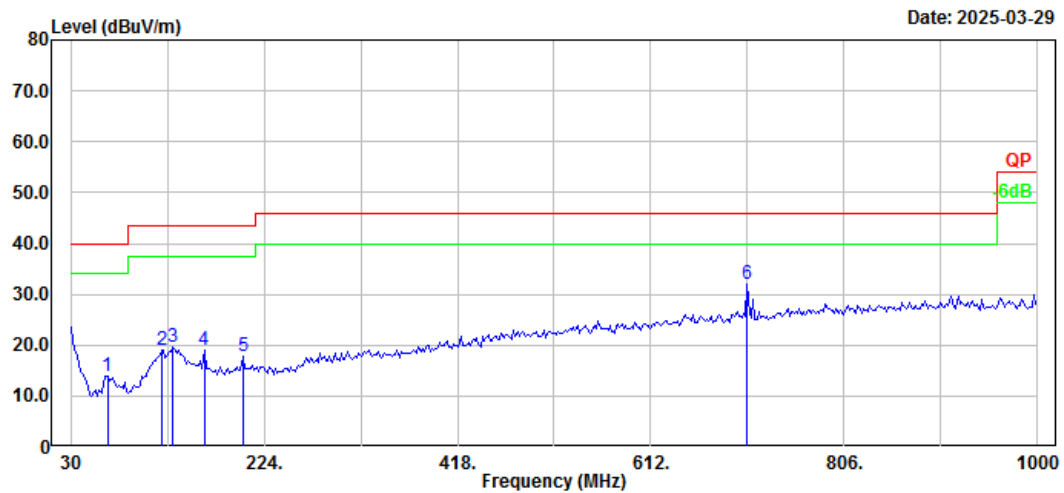
Polarization: Horizontal

Tester: Willem Qiu

Test Mode: Transmitting

Note:

RBW:100kHz VBW:300kHz

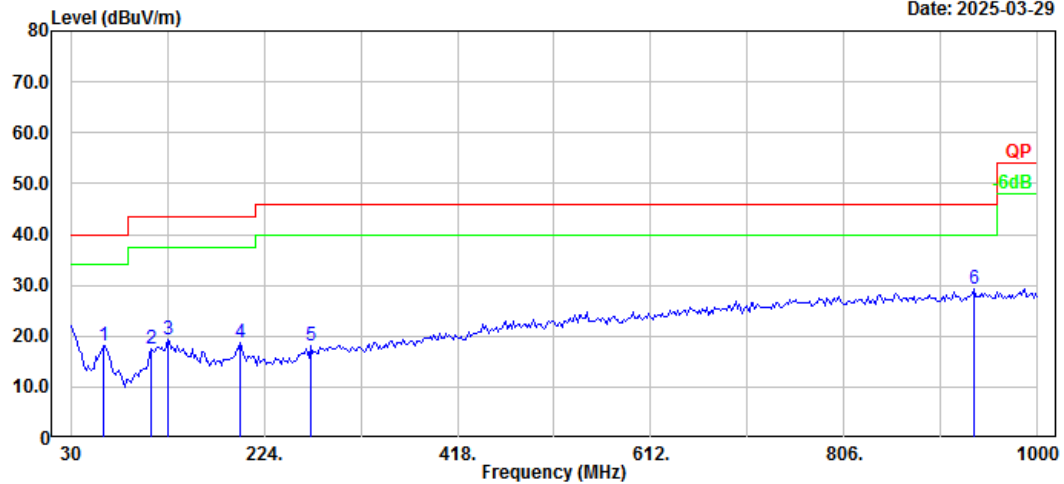


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	66.86	30.41	-16.42	13.99	40.00	26.01	Peak
2	121.18	29.08	-9.94	19.14	43.50	24.36	Peak
3	132.82	29.66	-10.03	19.63	43.50	23.87	Peak
4	163.86	30.31	-11.39	18.92	43.50	24.58	Peak
5	202.66	29.50	-11.80	17.70	43.50	25.80	Peak
6	709.00	32.99	-1.11	31.88	46.00	14.12	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note:  
RBW:100kHz VBW:300kHz

Serial No.: 2ZYH-2  
Tester: Willem Qiu

Date: 2025-03-29



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	62.98	34.78	-16.56	18.22	40.00	21.78	Peak
2	111.48	28.80	-11.15	17.65	43.50	25.85	Peak
3	127.00	29.31	-9.89	19.42	43.50	24.08	Peak
4	200.72	30.28	-11.60	18.68	43.50	24.82	Peak
5	270.56	28.04	-10.05	17.99	46.00	28.01	Peak
6	935.98	27.48	1.86	29.34	46.00	16.66	Peak

**2) 1-40GHz:**

Serial Number:	2ZYH-1	Test Date:	2025/4/2
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Ted Wang, Leo Xiao	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	19.8	Relative Humidity: (%)	46	ATM Pressure: (kPa)	101.4
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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	2024/4/15	2025/4/14
AH	Preamplifier	PAM-1840VH	191	2024/9/5	2025/9/4
R&S	Spectrum Analyzer	FSV40	101944	2024/9/6	2025/9/5
Audix	Test Software	E3	191218 V9	N/A	N/A
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FCU	DC79902 & DC79905	2024/8/27	2025/8/26

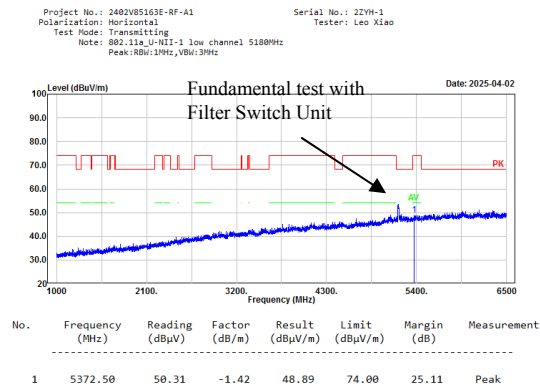
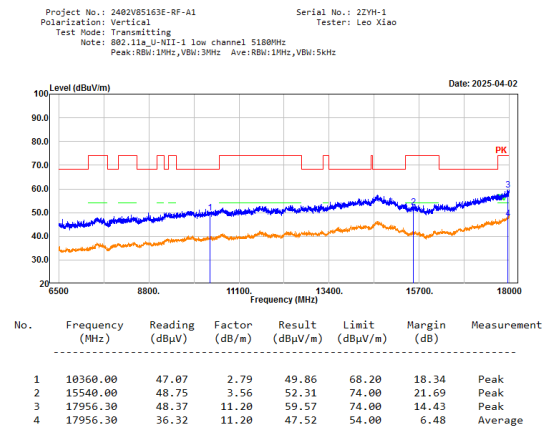
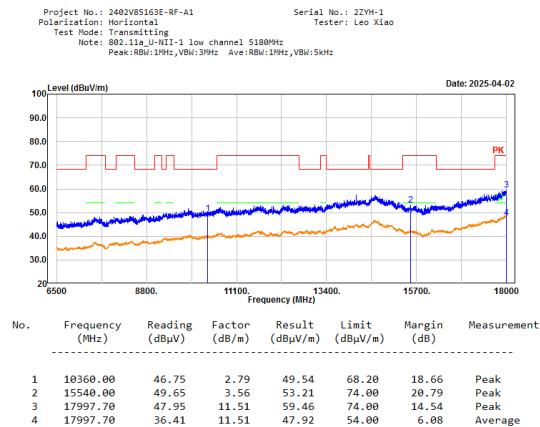
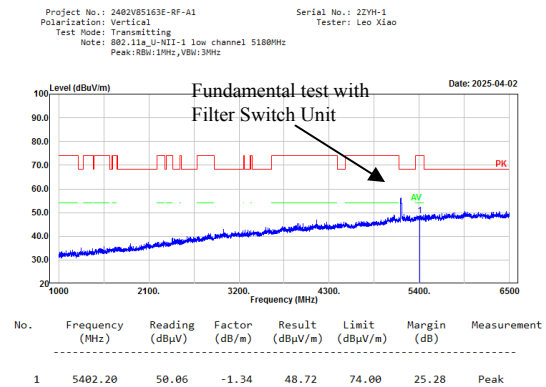
*\* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

**Test Data:**

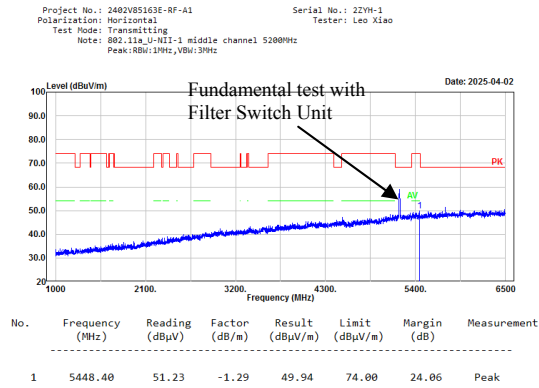
Please refer to the below table and plots.

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

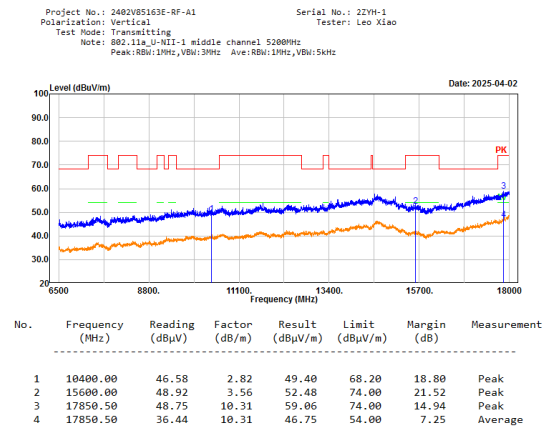
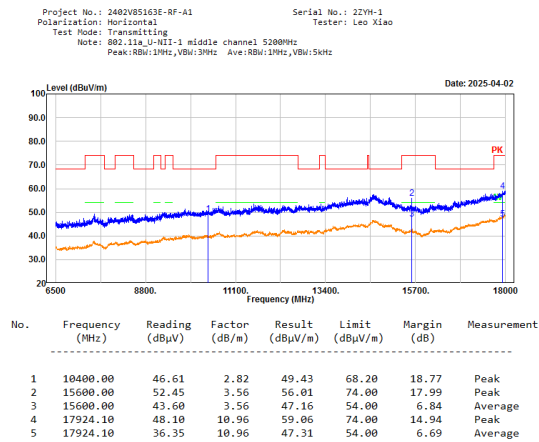
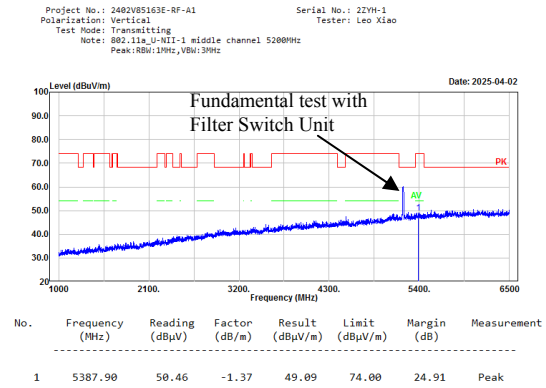


**1-18GHz:  
5150-5250MHz:****802.11a, Low Channel, 5180MHz, Horizontal****802.11a, Low Channel, 5180MHz, Vertical**

## 802.11a, Middle Channel, 5200MHz, Horizontal



## 802.11a, Middle Channel, 5200MHz, Vertical

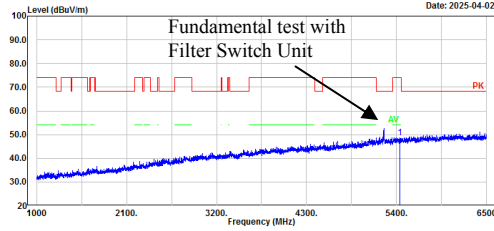


## 802.11a, High Channel, 5240MHz, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a, U-NII-1 high channel 5240MHz  
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 22VH-1  
Tester: Leo Xiao

Date: 2025-04-02



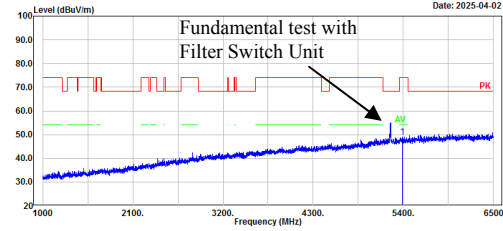
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5439.60	50.01	-1.30	48.71	74.00	25.29	Peak

## 802.11a, High Channel, 5240MHz, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a, U-NII-1 high channel 5240MHz  
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 22VH-1  
Tester: Leo Xiao

Date: 2025-04-02

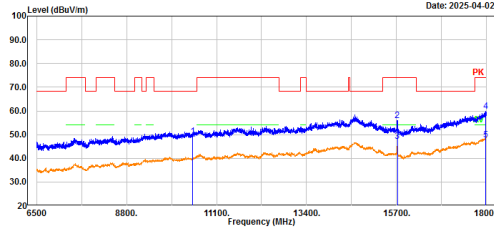


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5391.20	50.43	-1.36	49.07	74.00	24.93	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a, U-NII-1 high channel 5240MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 22VH-1  
Tester: Leo Xiao

Date: 2025-04-02

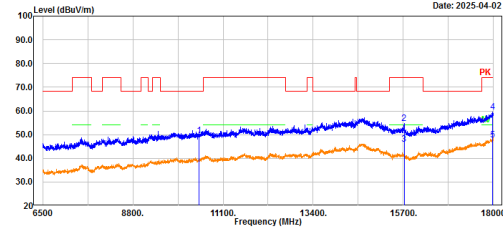


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	46.46	2.93	49.39	68.20	18.81	Peak
2	15720.00	52.58	3.43	56.01	74.00	17.99	Peak
3	15720.00	43.73	3.43	47.16	54.00	6.84	Average
4	17979.30	48.53	11.37	59.90	74.00	14.10	Peak
5	17979.30	36.45	11.37	47.82	54.00	6.18	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a, U-NII-1 high channel 5240MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 22VH-1  
Tester: Leo Xiao

Date: 2025-04-02



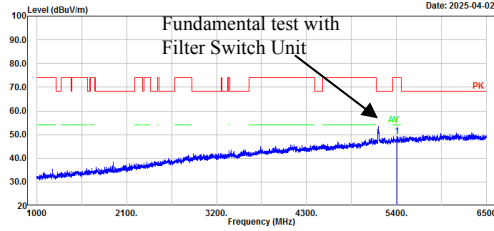
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	46.51	2.93	49.44	68.20	18.76	Peak
2	15720.00	51.16	3.43	54.59	74.00	19.41	Peak
3	15720.00	42.41	3.43	45.84	54.00	8.16	Average
4	17979.10	48.11	11.29	59.40	74.00	14.60	Peak
5	17979.10	36.35	11.29	47.64	54.00	6.36	Average

## 802.11n20, Low Channel, 5180MHz, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 low channel 5180MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

Date: 2025-04-02



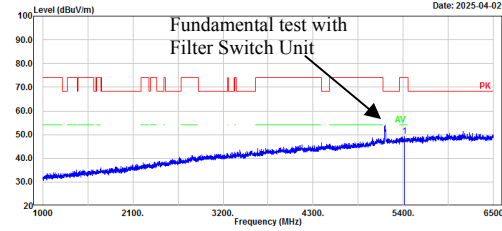
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5401.10	50.56	-1.34	49.22	74.00	24.78	Peak

## 802.11n20, Low Channel, 5180MHz, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 low channel 5180MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

Date: 2025-04-02

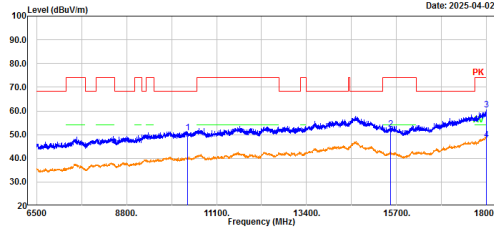


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5417.60	50.50	-1.33	49.17	74.00	24.83	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 low channel 5180MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

Date: 2025-04-02

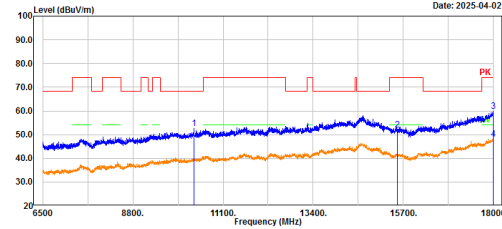


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10360.00	47.85	2.79	50.64	68.20	17.56	Peak
2	15540.00	48.63	3.56	52.19	74.00	21.81	Peak
3	17997.70	48.85	11.51	60.36	74.00	13.64	Peak
4	17997.70	36.35	11.51	47.86	54.00	6.14	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 low channel 5180MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

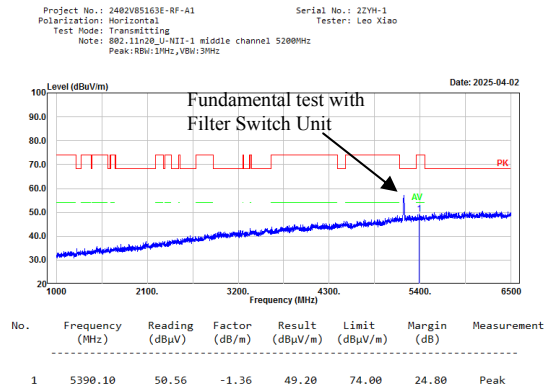
Serial No.: 22YH-1  
Tester: Leo Xiao

Date: 2025-04-02

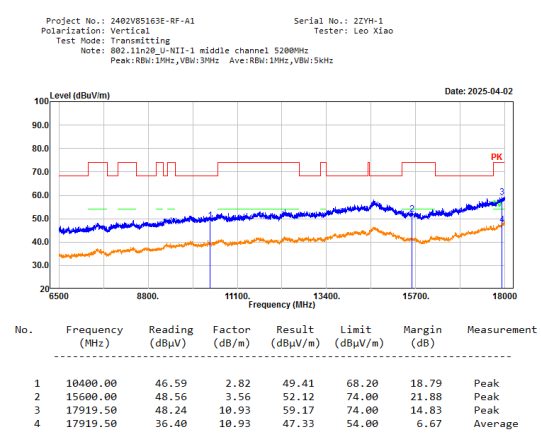
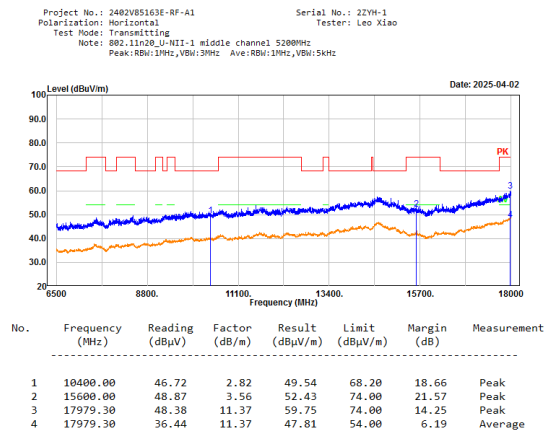
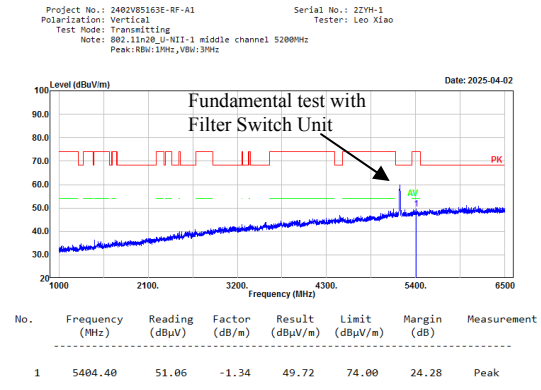


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10360.00	49.76	2.79	52.55	68.20	15.65	Peak
2	15540.00	48.37	3.56	51.93	74.00	22.07	Peak
3	17990.80	48.53	11.45	59.98	74.00	14.02	Peak
4	17990.80	36.48	11.45	47.93	54.00	6.07	Average

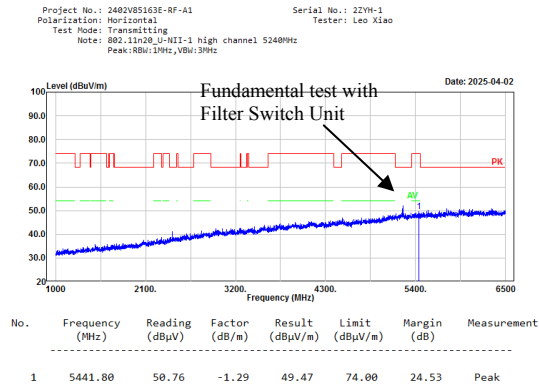
## 802.11n20, Middle Channel, 5200MHz, Horizontal



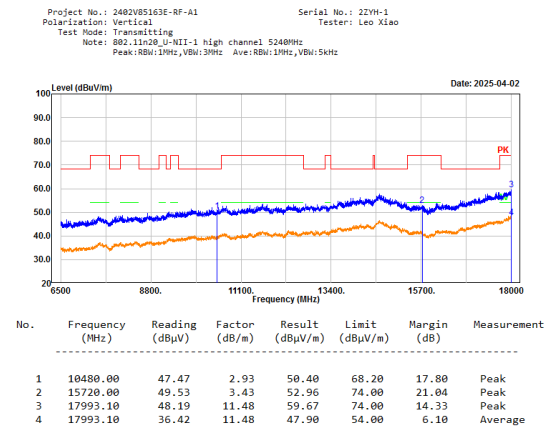
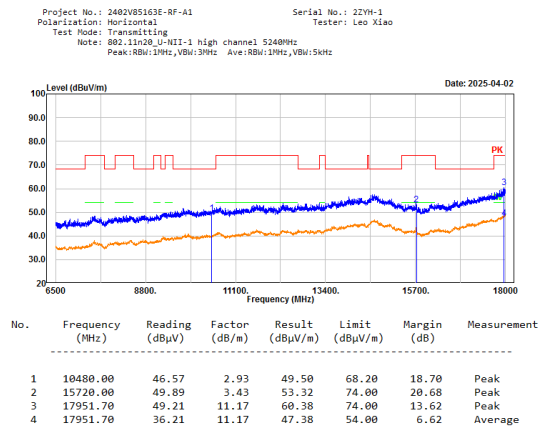
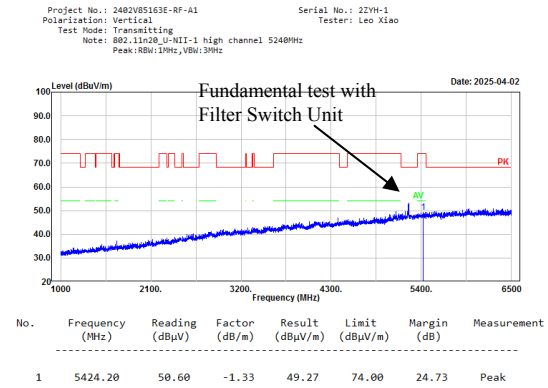
## 802.11n20, Middle Channel, 5200MHz, Vertical



## 802.11n20, High Channel, 5240MHz, Horizontal



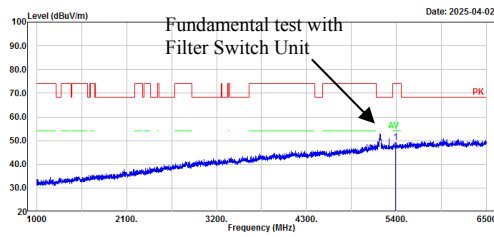
## 802.11n20, High Channel, 5240MHz, Vertical



## 802.11n40, Low Channel, 5190MHz, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 low channel 5190MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22VH-1  
Tester: Leo Xiao

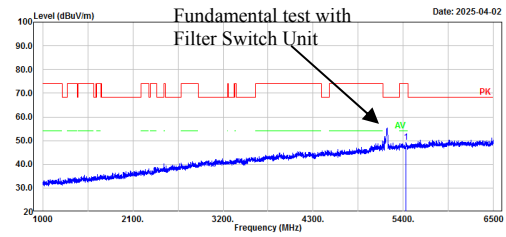


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5391.20	50.69	-1.36	49.33	74.00	24.67	Peak

## 802.11n40, Low Channel, 5190MHz, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 low channel 5190MHz  
Peak:RBW:1MHz,VBW:3MHz

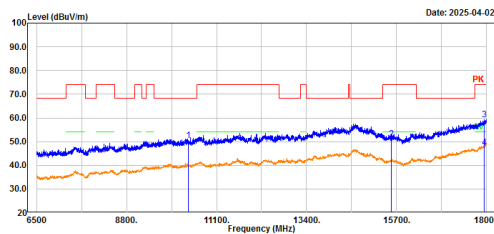
Serial No.: 22VH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5435.20	50.74	-1.31	49.43	74.00	24.57	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 low channel 5190MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

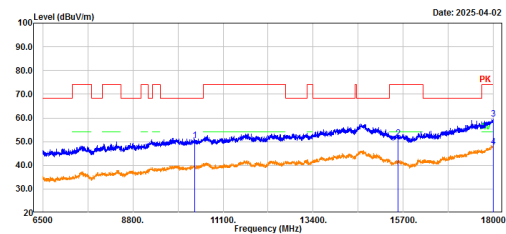
Serial No.: 22VH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10380.00	47.62	2.78	50.40	68.20	17.80	Peak
2	15570.00	47.46	3.62	51.08	74.00	22.92	Peak
3	17942.50	48.19	11.10	59.29	74.00	14.71	Peak
4	17942.50	36.31	11.10	47.41	54.00	6.59	Average

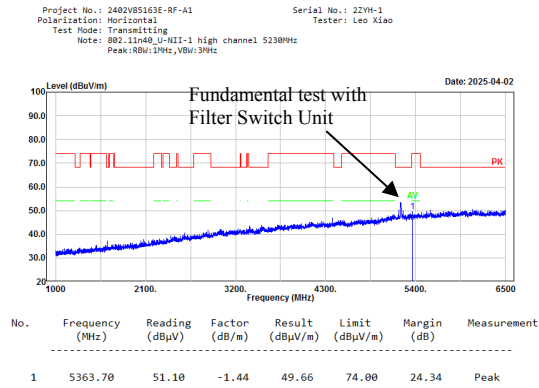
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 low channel 5190MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22VH-1  
Tester: Leo Xiao

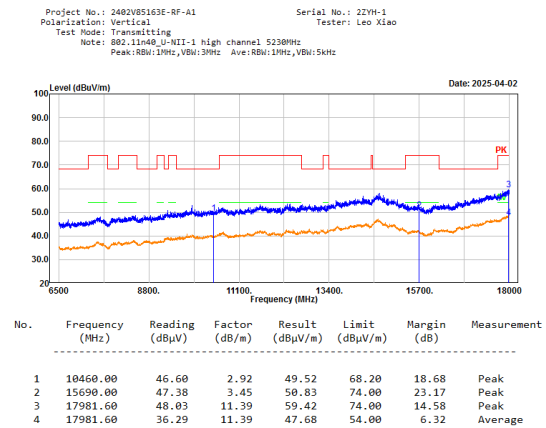
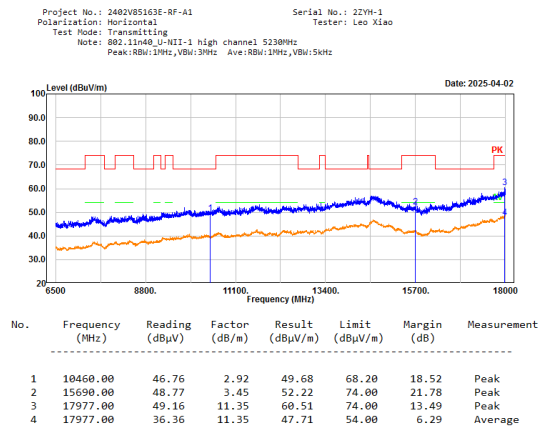
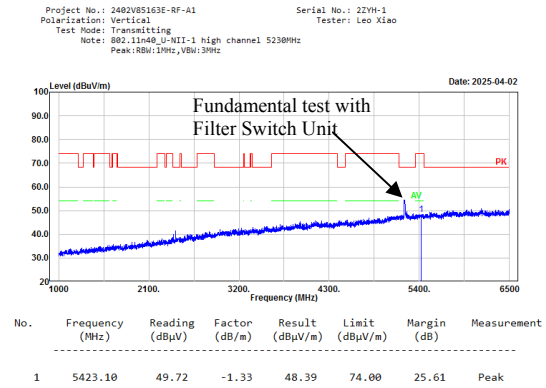


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10380.00	47.75	2.78	50.53	68.20	17.67	Peak
2	15570.00	47.72	3.62	51.34	74.00	22.66	Peak
3	17988.50	48.01	11.43	59.44	74.00	14.56	Peak
4	17988.50	36.46	11.43	47.89	54.00	6.11	Average

## 802.11n40, High Channel, 5230MHz, Horizontal



## 802.11n40, High Channel, 5230MHz, Vertical

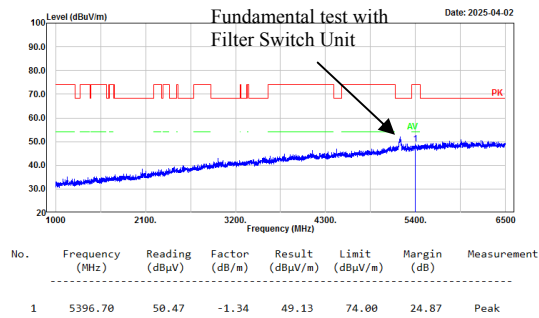




**802.11ac80, Middle Channel, 5210MHz,  
Horizontal**

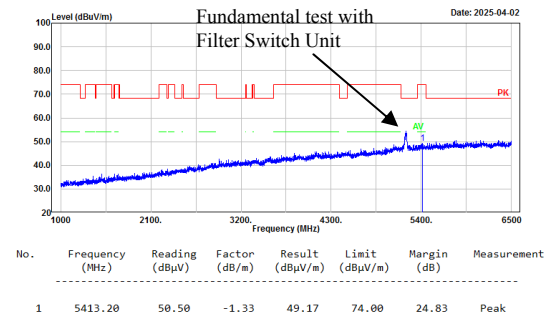
Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-1 middle channel 5210MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

**802.11ac80, Middle Channel, 5210MHz,  
Vertical**

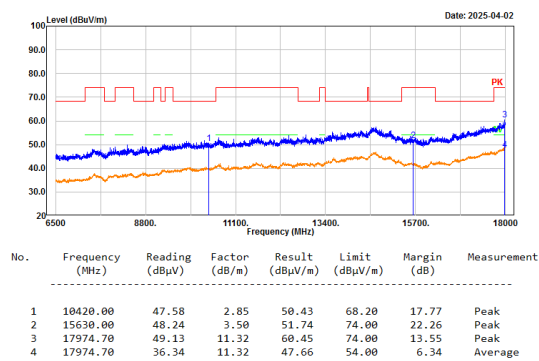
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-1 middle channel 5210MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao



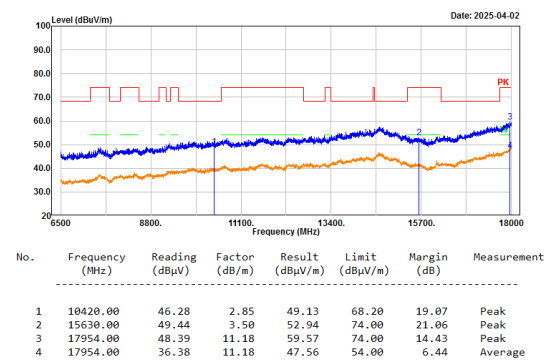
Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-1 middle channel 5210MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao



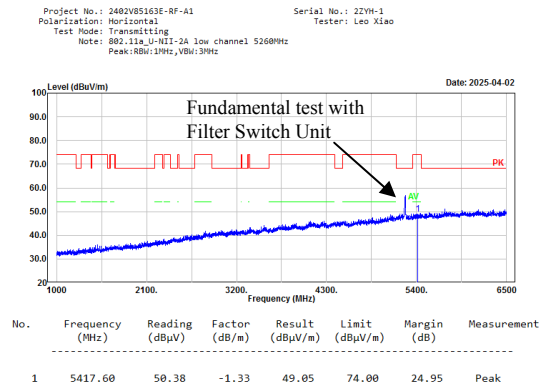
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-1 middle channel 5210MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

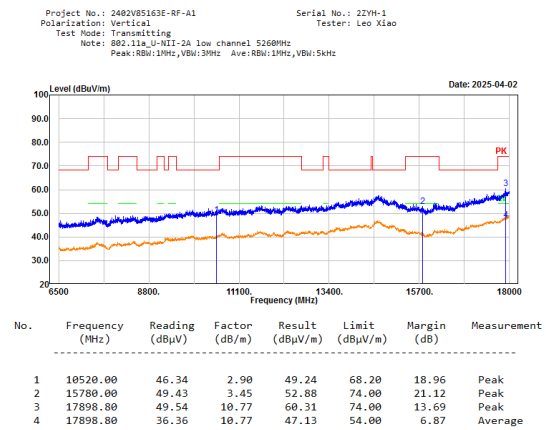
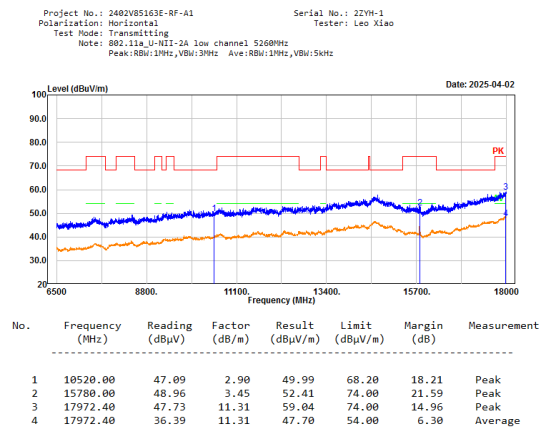
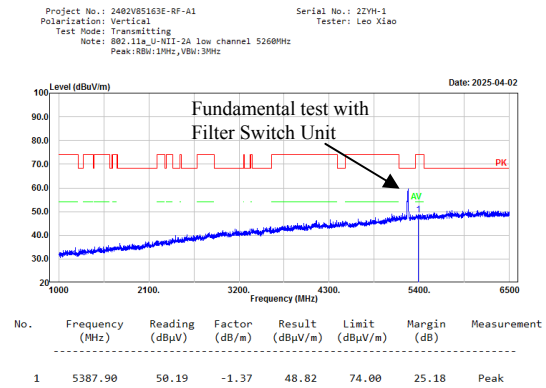


## 5250-5350MHz:

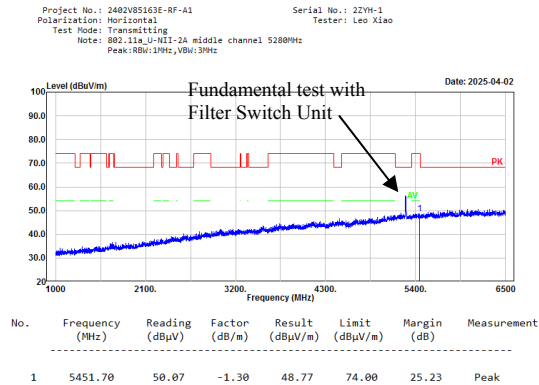
## 802.11a, Low Channel, 5260MHz, Horizontal



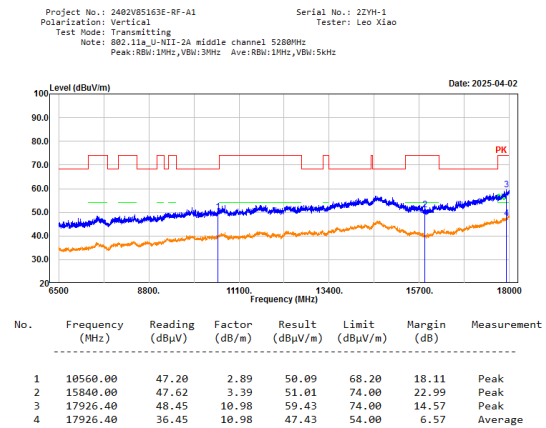
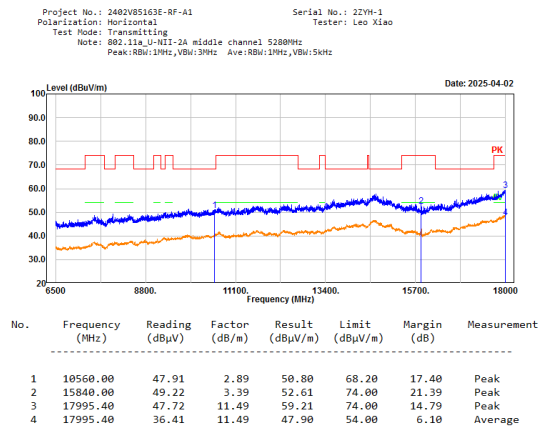
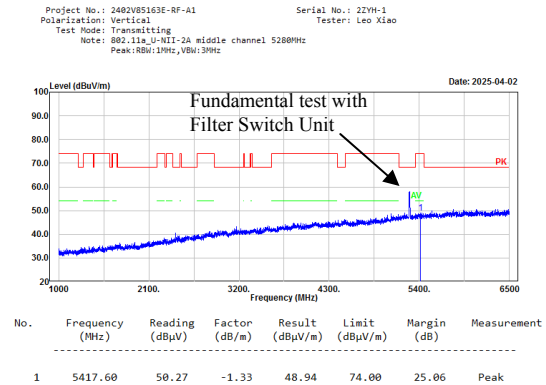
## 802.11a, Low Channel, 5260MHz, Vertical



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



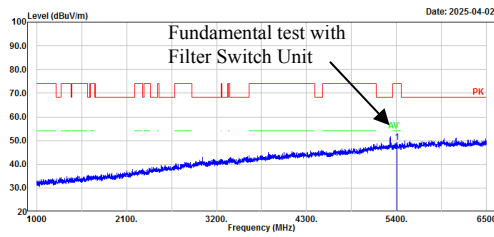
## 802.11a, Middle Channel, 5280MHz, Vertical



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

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a, U-NII-2A high channel 5320MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

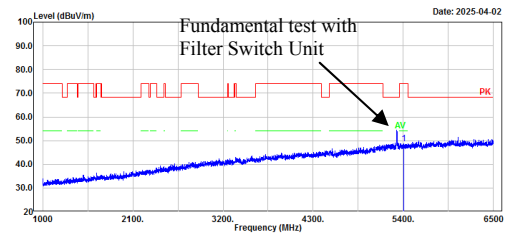


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5407.70	50.73	-1.34	49.39	74.00	24.61	Peak

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

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a, U-NII-2A high channel 5320MHz  
Peak:RBW:1MHz,VBW:3MHz

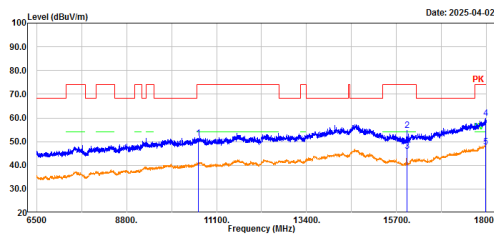
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5408.80	49.97	-1.33	48.64	74.00	25.36	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a, U-NII-2A high channel 5320MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

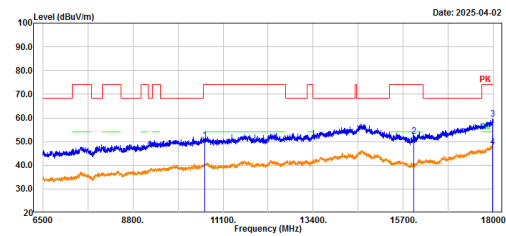
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	48.22	3.06	51.28	74.00	22.72	Peak
2	15960.00	51.12	3.59	54.71	74.00	19.29	Peak
3	15960.00	42.36	3.59	45.95	54.00	8.05	Average
4	17972.40	48.53	11.31	59.84	74.00	14.16	Peak
5	17972.40	36.42	11.31	47.73	54.00	6.27	Average

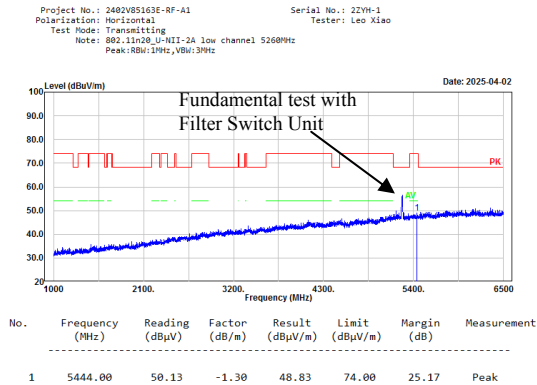
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a, U-NII-2A high channel 5320MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

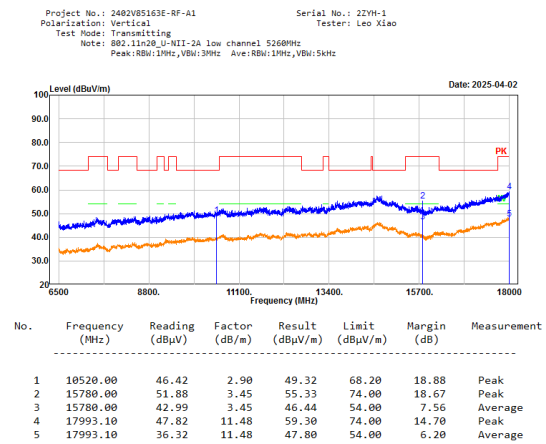
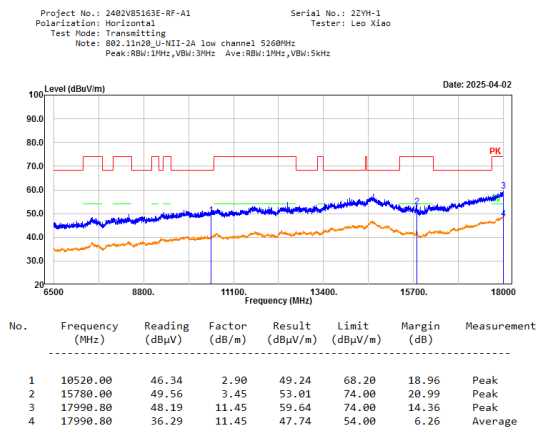
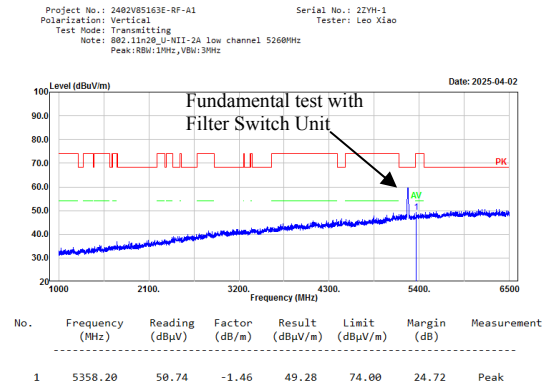


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	47.56	3.06	50.62	74.00	23.38	Peak
2	15960.00	48.83	3.59	52.42	74.00	21.58	Peak
3	17979.30	48.08	11.37	59.45	74.00	14.55	Peak
4	17979.30	36.48	11.37	47.85	54.00	6.15	Average

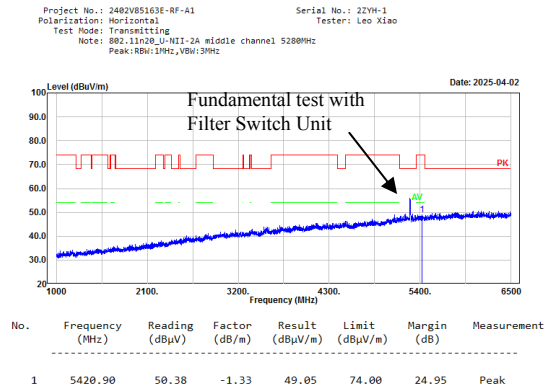
## 802.11n20, Low Channel, 5260MHz, Horizontal



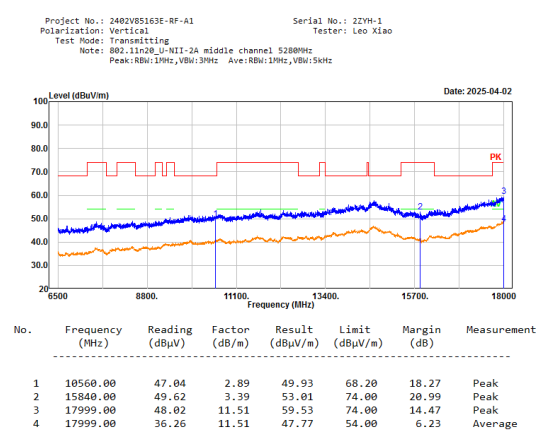
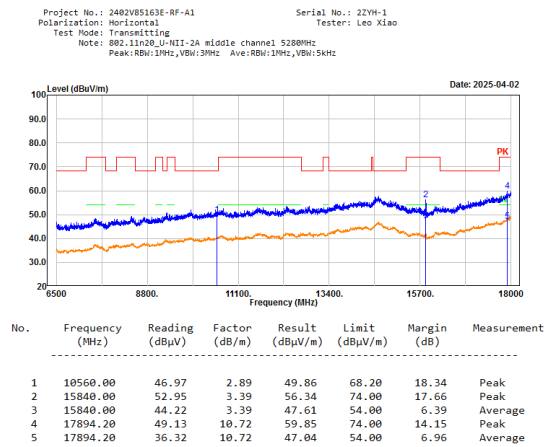
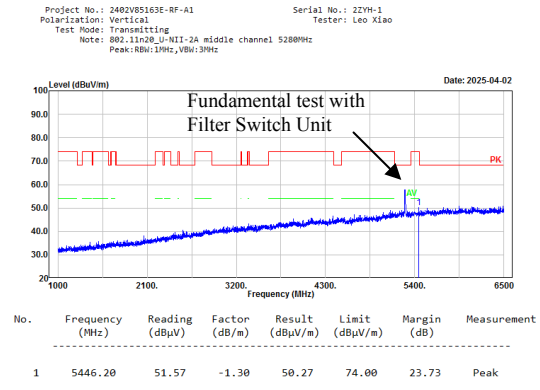
## 802.11n20, Low Channel, 5260MHz, Vertical



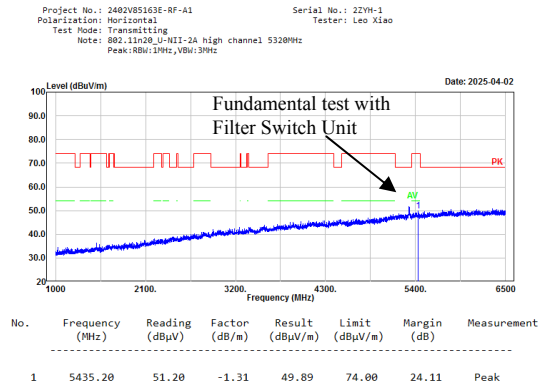
## 802.11n20, Middle Channel, 5280MHz, Horizontal



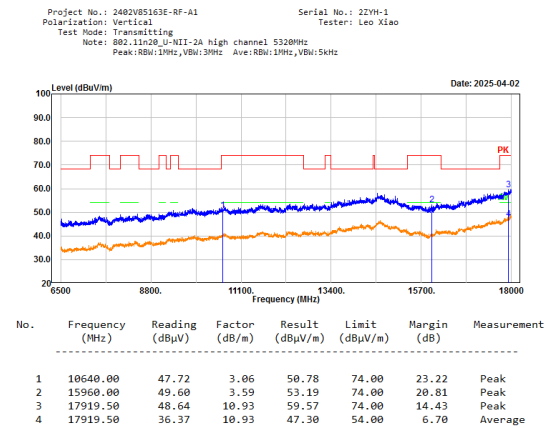
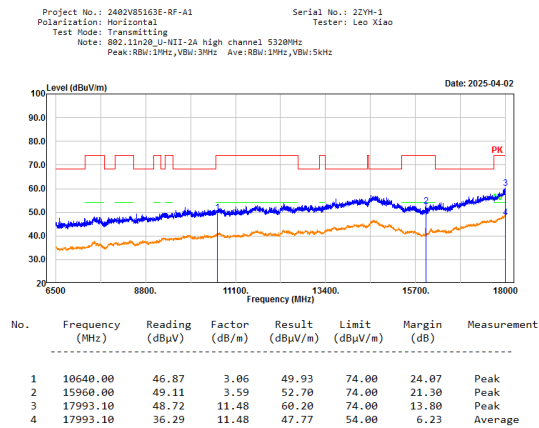
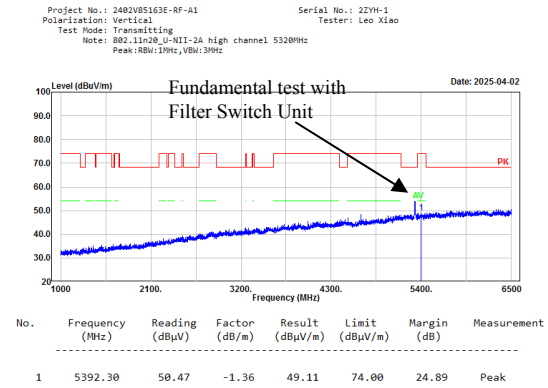
## 802.11n20, Middle Channel, 5280MHz, Vertical



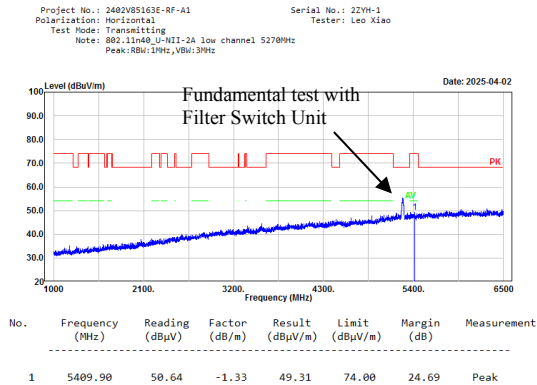
## 802.11n20, High Channel, 5320MHz, Horizontal



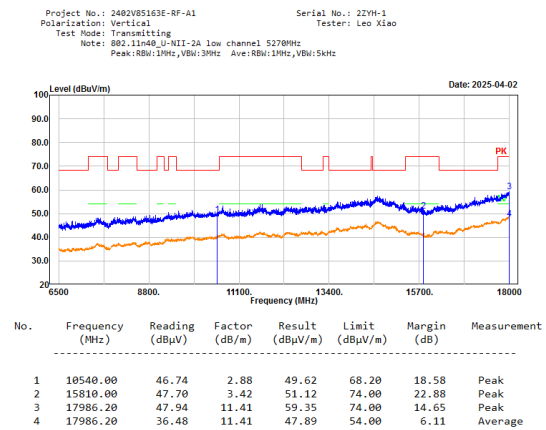
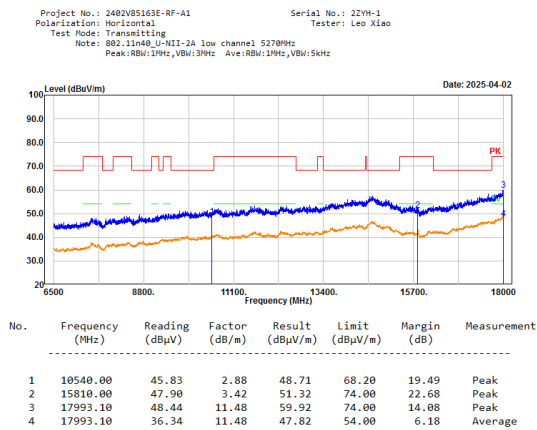
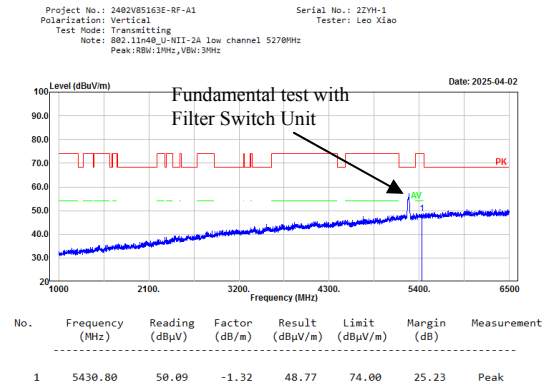
## 802.11n20, High Channel, 5320MHz, Vertical



## 802.11n40, Low Channel, 5270MHz, Horizontal

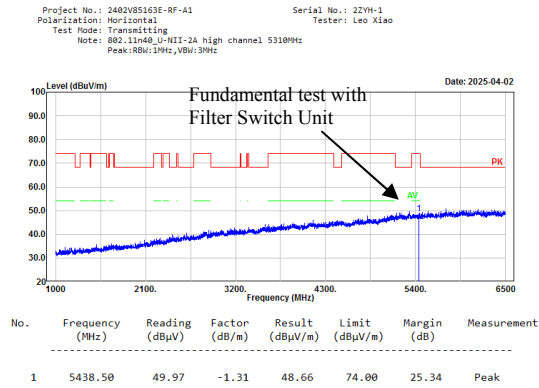


## 802.11n40, Low Channel, 5270MHz, Vertical

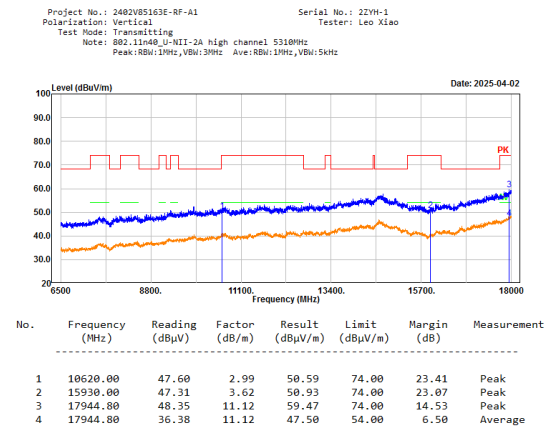
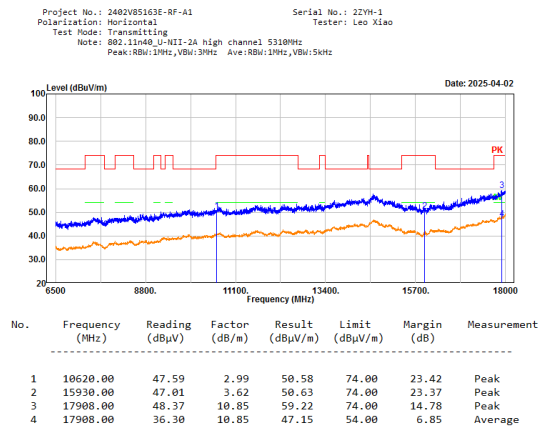
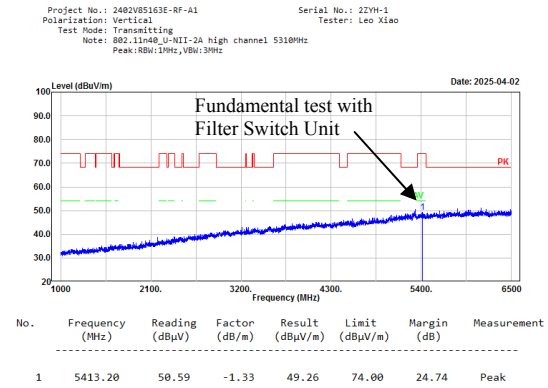




## 802.11n40, High Channel, 5310MHz, Horizontal



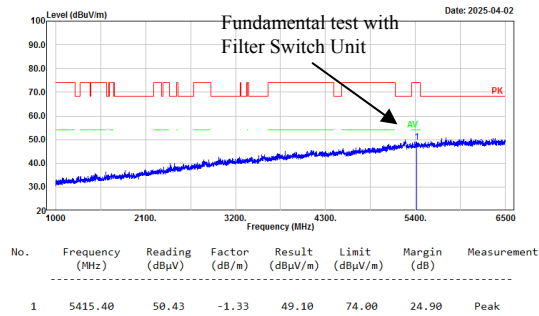
## 802.11n40, High Channel, 5310MHz, Vertical



**802.11ac80, Middle Channel, 5290MHz,  
Horizontal**

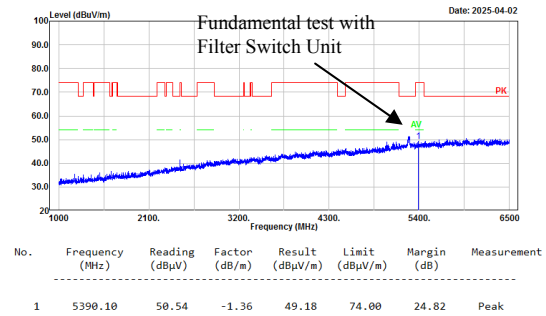
Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2A middle channel 5290MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

**802.11ac80, Middle Channel, 5290MHz,  
Vertical**

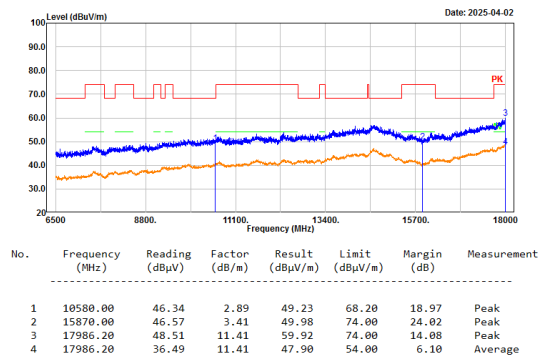
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2A middle channel 5290MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao



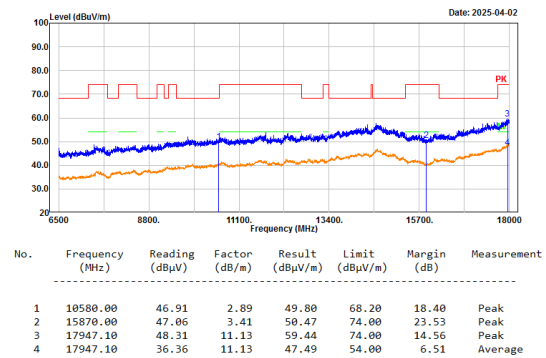
Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2A middle channel 5290MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao



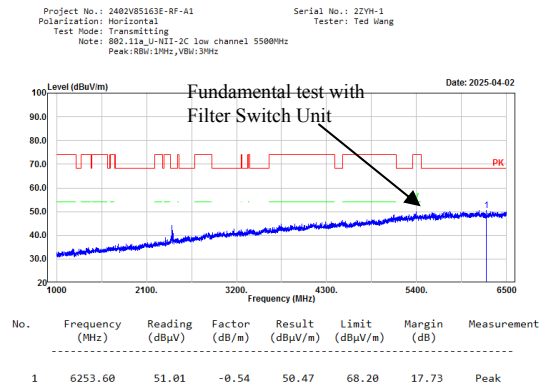
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2A middle channel 5290MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

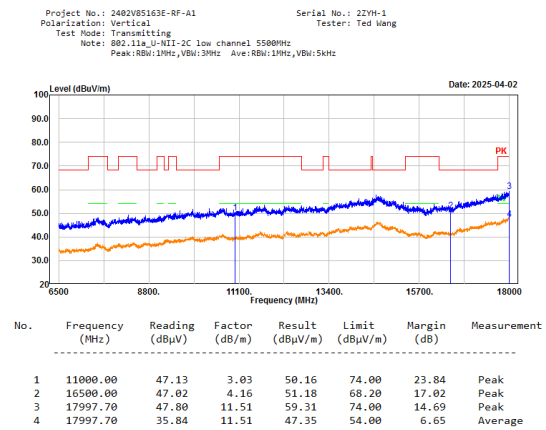
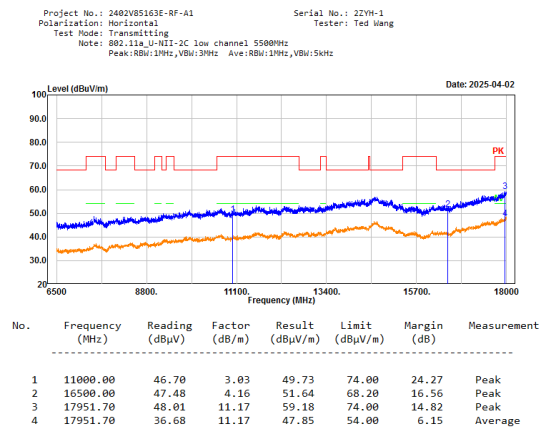
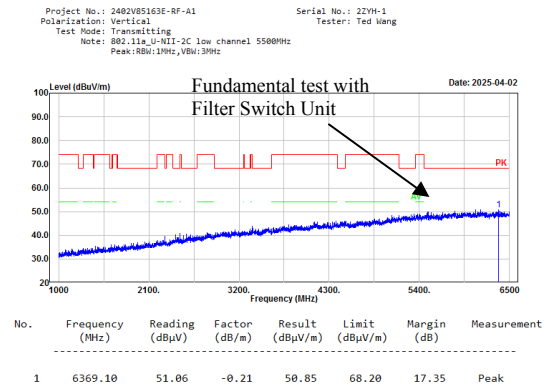


## 5470-5725MHz:

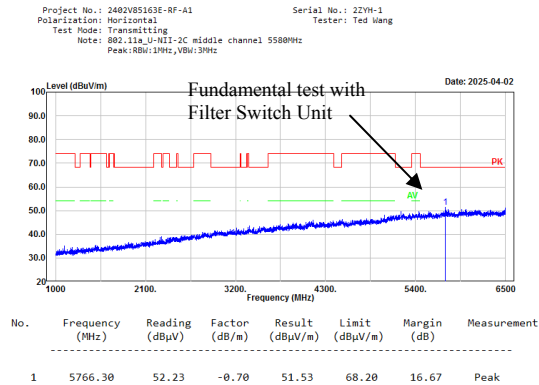
## 802.11a, Low Channel, 5500MHz, Horizontal



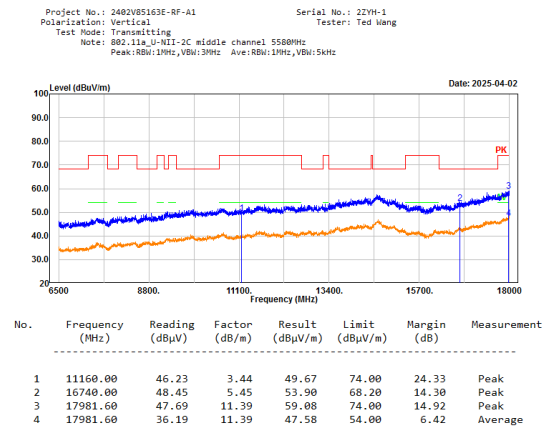
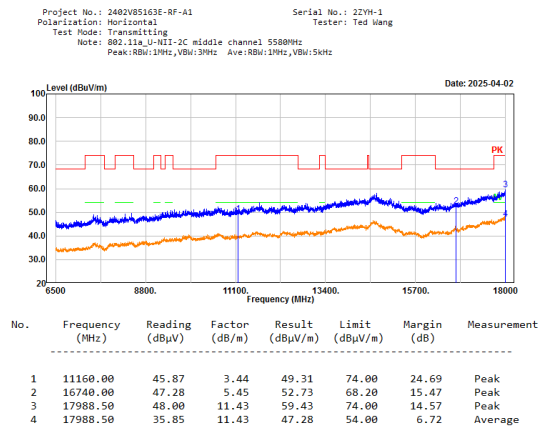
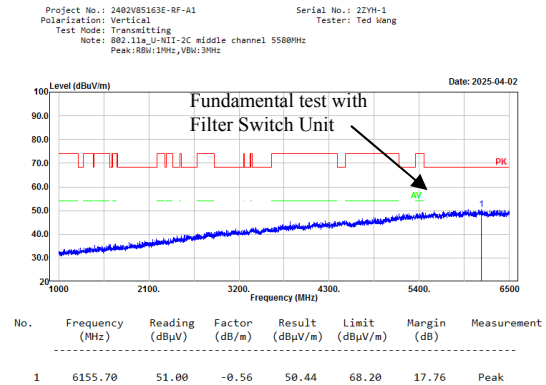
## 802.11a, Low Channel, 5500MHz, Vertical



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



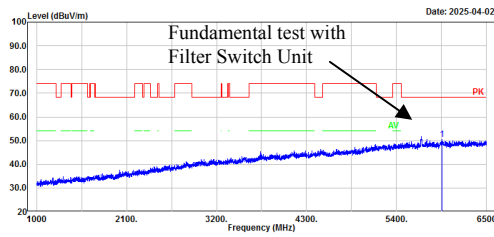
## 802.11a, Middle Channel, 5580MHz, Vertical



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

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C high channel 5700MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Ted Wang

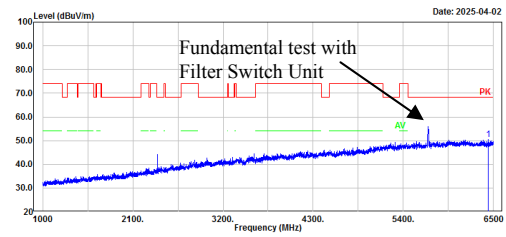


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5958.80	50.96	-0.39	50.57	68.20	17.63	Peak

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

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C high channel 5700MHz  
Peak:RBW:1MHz,VBW:3MHz

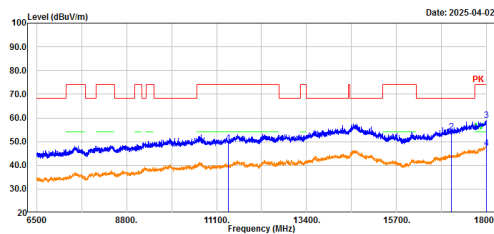
Serial No.: 22YH-1  
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6436.20	50.56	-0.15	50.41	68.20	17.79	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C high channel 5700MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

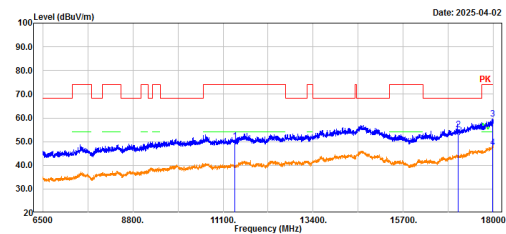
Serial No.: 22YH-1  
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11400.00	45.21	4.19	49.40	74.00	24.60	Peak
2	17100.00	46.99	7.13	54.12	68.20	14.08	Peak
3	17993.10	47.57	11.48	59.05	74.00	14.95	Peak
4	17993.10	35.84	11.48	47.32	54.00	6.68	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C high channel 5700MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

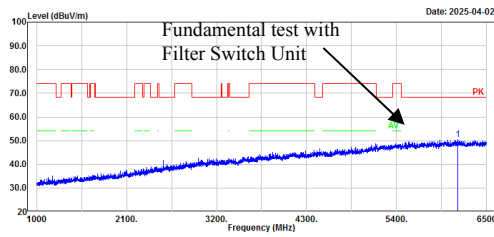


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11400.00	46.11	4.19	50.30	74.00	23.70	Peak
2	17100.00	47.82	7.13	54.95	68.20	13.25	Peak
3	17977.00	48.18	11.35	59.53	74.00	14.47	Peak
4	17977.00	36.27	11.35	47.62	54.00	6.38	Average

## 802.11n20, Low Channel, 5500MHz, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-2C low channel 5500MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Ted Wang

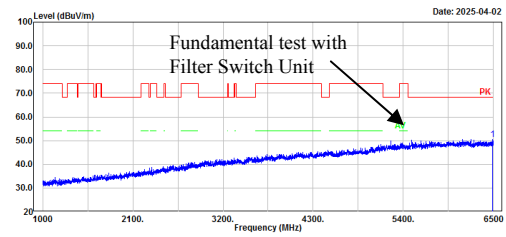


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6146.90	51.12	-0.60	50.52	68.20	17.68	Peak

## 802.11n20, Low Channel, 5500MHz, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-2C low channel 5500MHz  
Peak:RBW:1MHz,VBW:3MHz

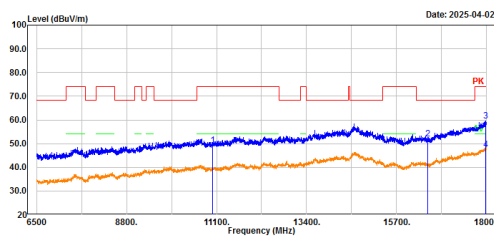
Serial No.: 22YH-1  
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6489.00	50.73	-0.11	50.62	68.20	17.58	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-2C low channel 5500MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

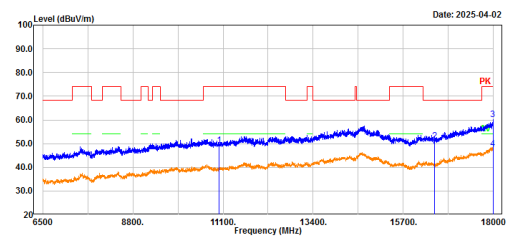
Serial No.: 22YH-1  
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11000.00	46.32	3.03	49.35	74.00	24.65	Peak
2	16500.00	47.93	4.16	52.09	68.20	16.11	Peak
3	17979.30	48.09	11.37	59.46	74.00	14.54	Peak
4	17979.30	36.09	11.37	47.46	54.00	6.54	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-2C low channel 5500MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

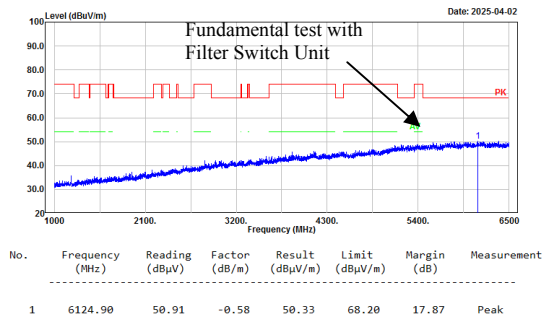


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11000.00	46.16	3.03	49.19	74.00	24.81	Peak
2	16500.00	47.03	4.16	51.19	68.20	17.01	Peak
3	17983.90	48.78	11.40	60.18	74.00	13.82	Peak
4	17983.90	36.47	11.40	47.87	54.00	6.13	Average

**802.11n20, Middle Channel, 5580MHz,  
Horizontal**

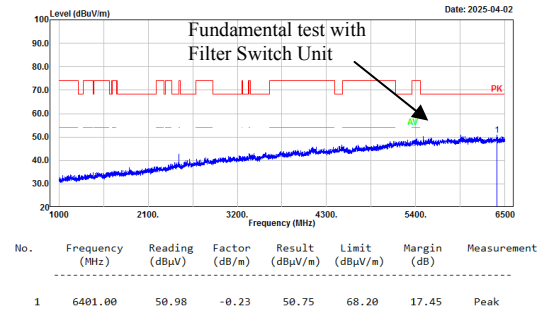
Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2C middle channel 5580MHz  
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 2ZYH-1  
Tester: Ted Wang

**802.11n20, Middle Channel, 5580MHz,  
Vertical**

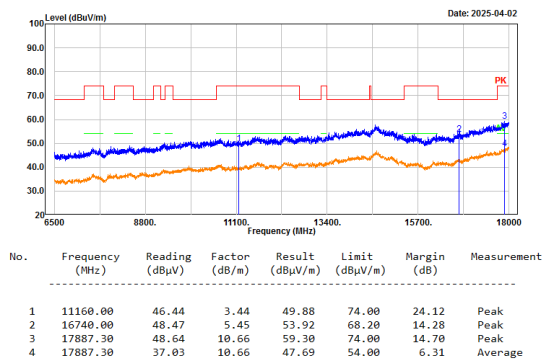
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2C middle channel 5580MHz  
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 2ZYH-1  
Tester: Ted Wang



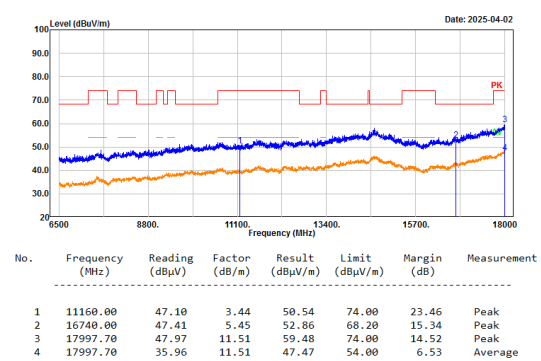
Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2C middle channel 5580MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5KHz

Serial No.: 2ZYH-1  
Tester: Ted Wang

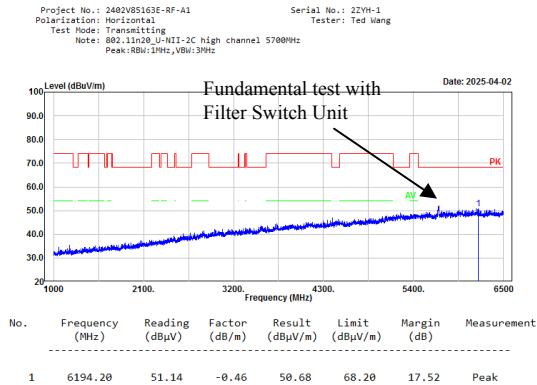


Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2C middle channel 5580MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5KHz

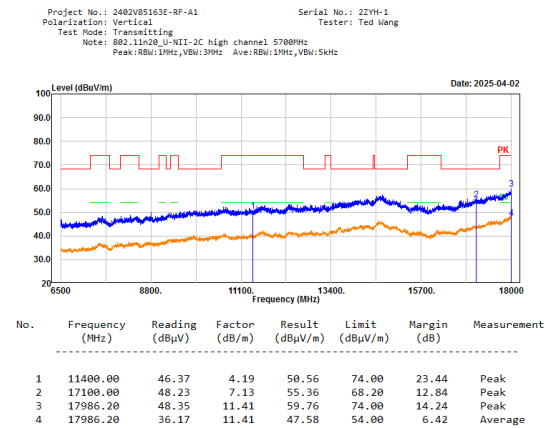
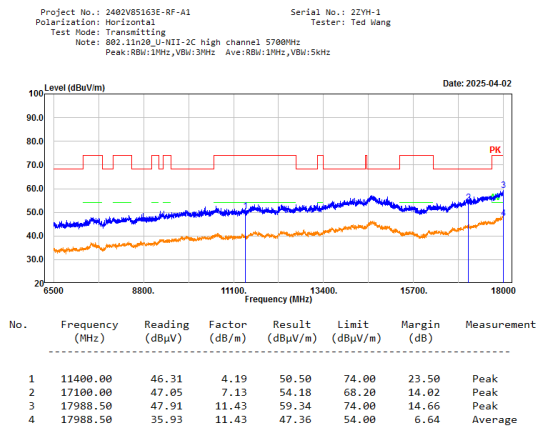
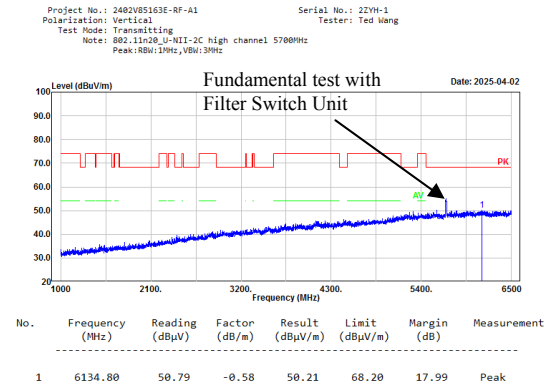
Serial No.: 2ZYH-1  
Tester: Ted Wang



## 802.11n20, High Channel, 5700MHz, Horizontal

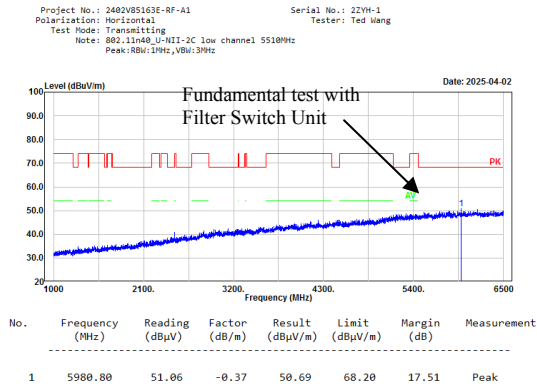


## 802.11n20, High Channel, 5700MHz, Vertical

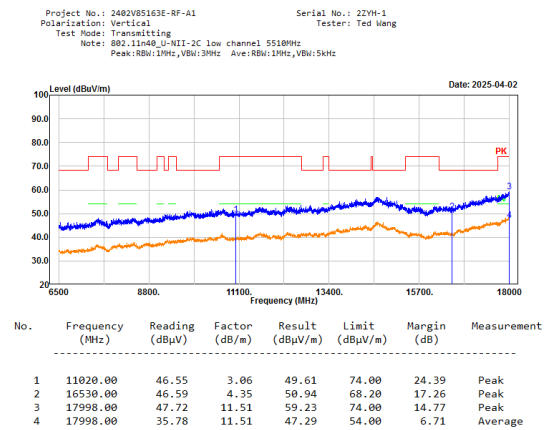
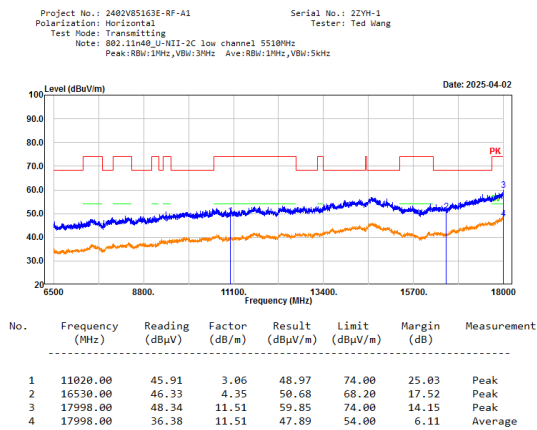
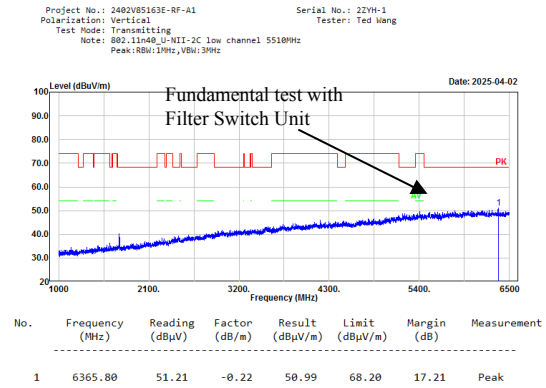




## 802.11n40, Low Channel, 5510MHz, Horizontal



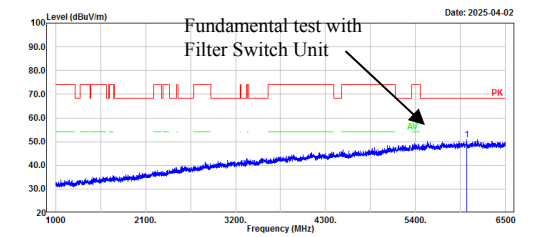
## 802.11n40, Low Channel, 5510MHz, Vertical



**802.11n40, Middle Channel, 5550MHz,  
Horizontal**

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40 U-NII-2C middle channel 5550MHz  
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 22YH-1  
Tester: Ted Wang

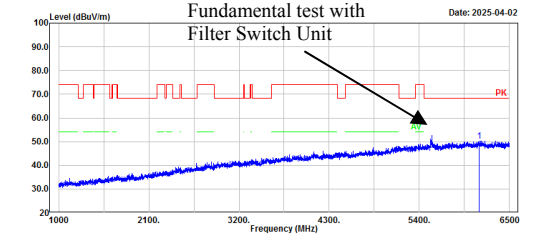


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6022.60	51.12	-0.33	50.79	68.20	17.41	Peak

**802.11n40, Middle Channel, 5550MHz,  
Vertical**

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40 U-NII-2C middle channel 5550MHz  
Peak: RBW:1MHz, VBW:3MHz

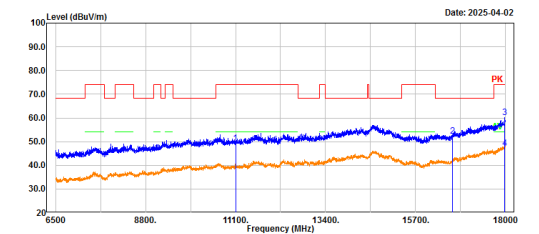
Serial No.: 22YH-1  
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6131.50	50.84	-0.58	50.26	68.20	17.94	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40 U-NII-2C middle channel 5550MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

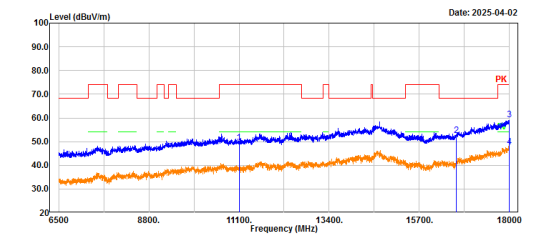
Serial No.: 22YH-1  
Tester: Ted Wang



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11100.00	46.11	3.31	49.42	74.00	24.58	Peak
2	16650.00	47.32	5.03	52.35	68.20	15.85	Peak
3	17972.40	48.82	11.31	60.13	74.00	13.87	Peak
4	17972.40	35.94	11.31	47.25	54.00	6.75	Average

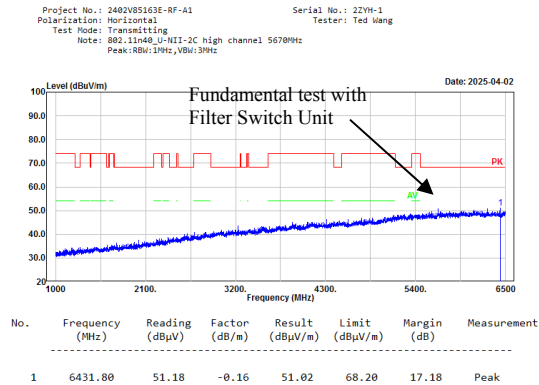
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40 U-NII-2C middle channel 5550MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

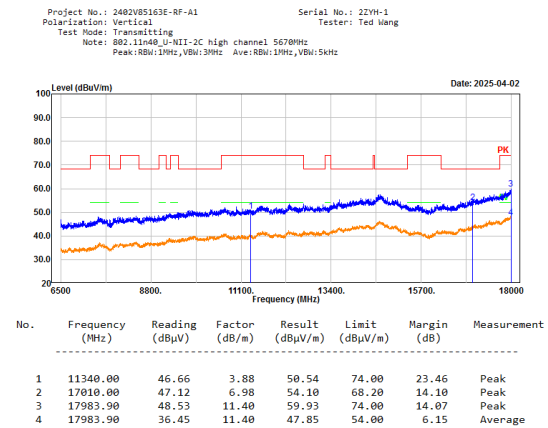
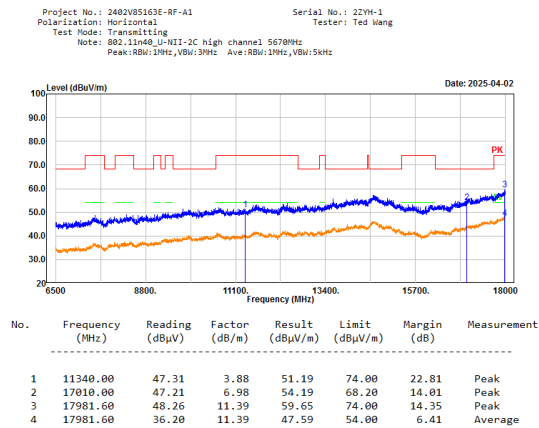
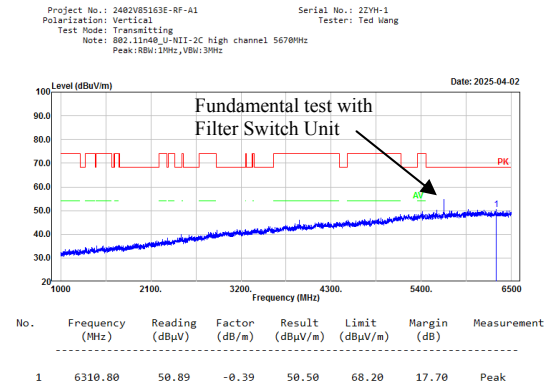


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11100.00	46.30	3.31	49.61	74.00	24.39	Peak
2	16650.00	47.54	5.03	52.57	68.20	15.63	Peak
3	17998.00	47.75	11.51	59.26	74.00	14.74	Peak
4	17998.00	36.18	11.51	47.69	54.00	6.31	Average

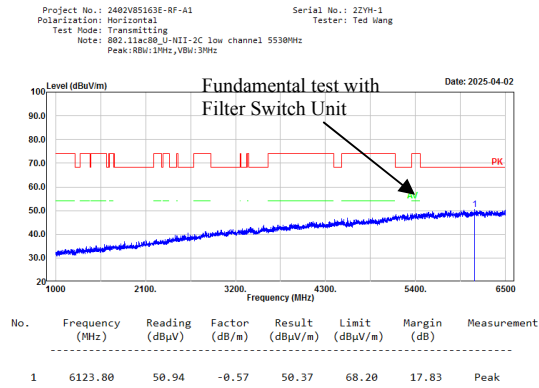
## 802.11n40, High Channel, 5670MHz, Horizontal



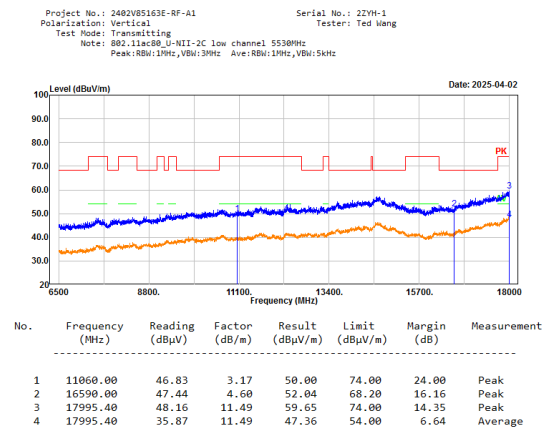
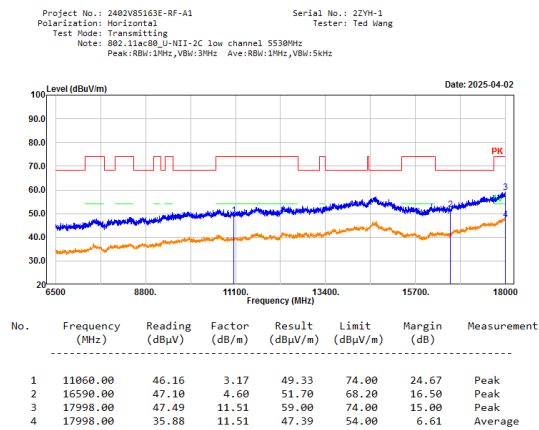
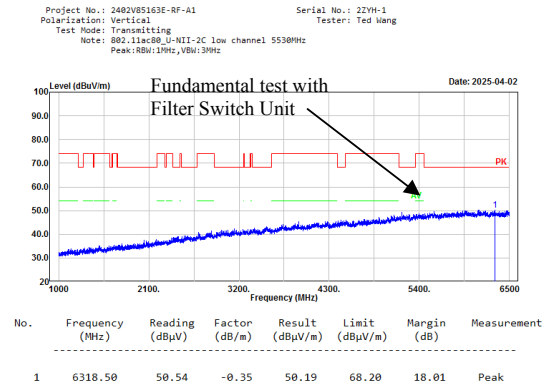
## 802.11n40, High Channel, 5670MHz, Vertical

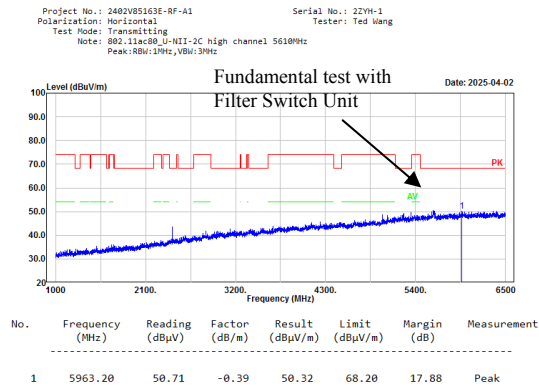
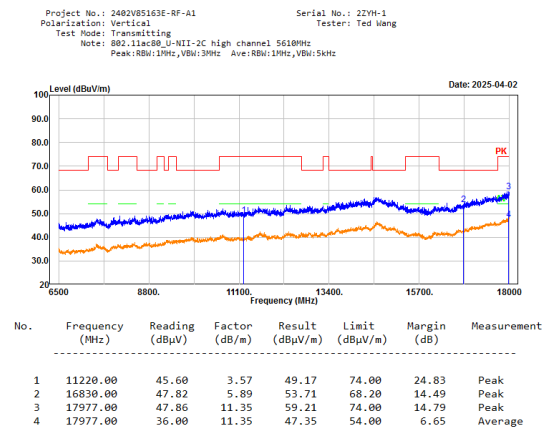
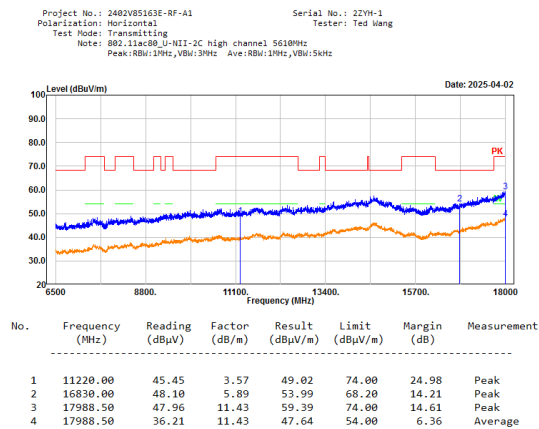
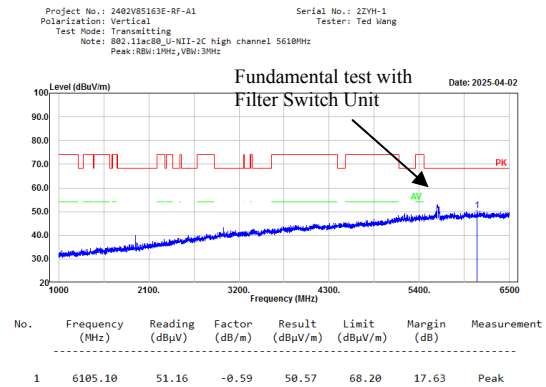


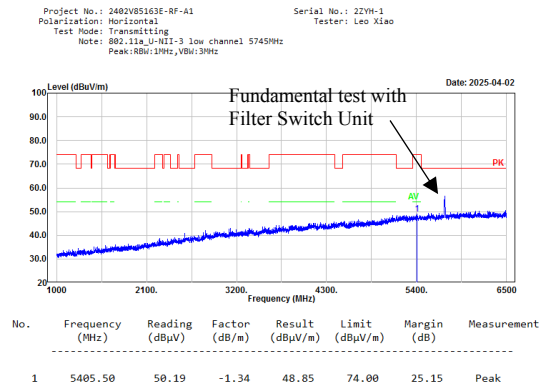
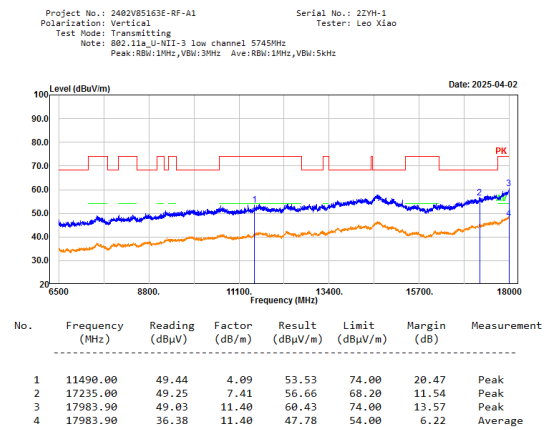
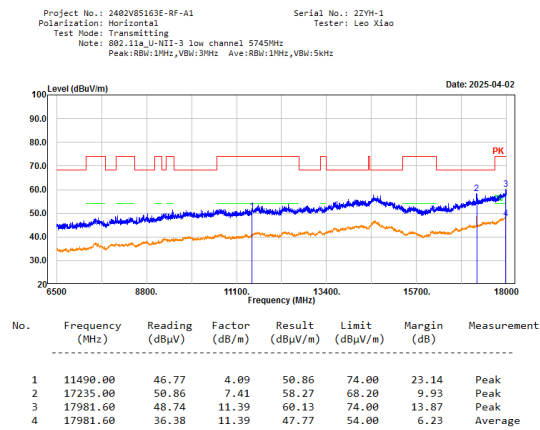
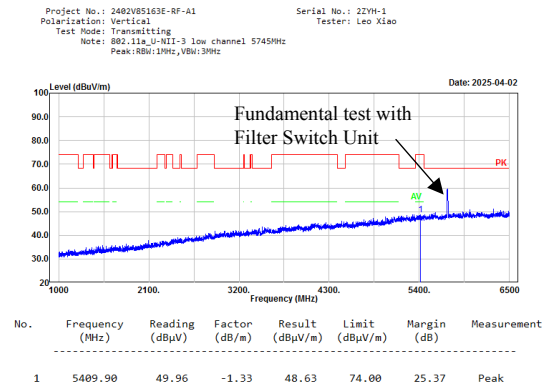
## 802.11ac80, Low Channel, 5530MHz, Horizontal



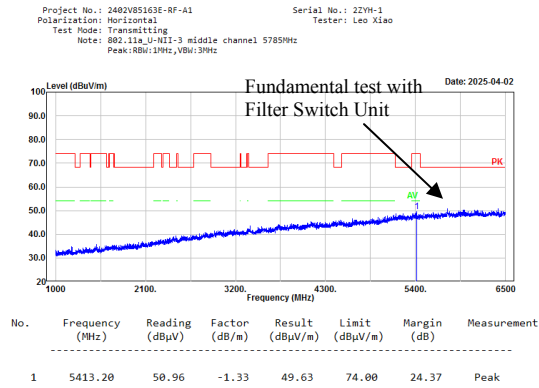
## 802.11ac80, Low Channel, 5530MHz, Vertical



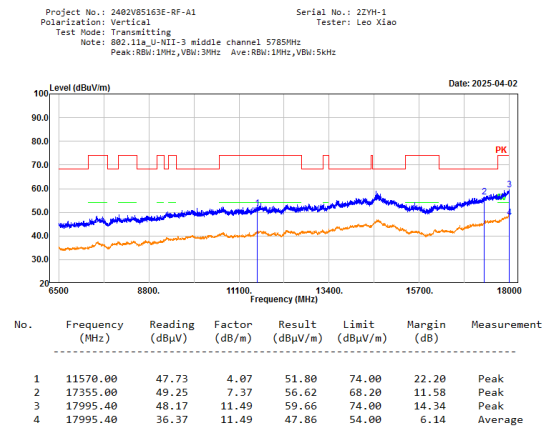
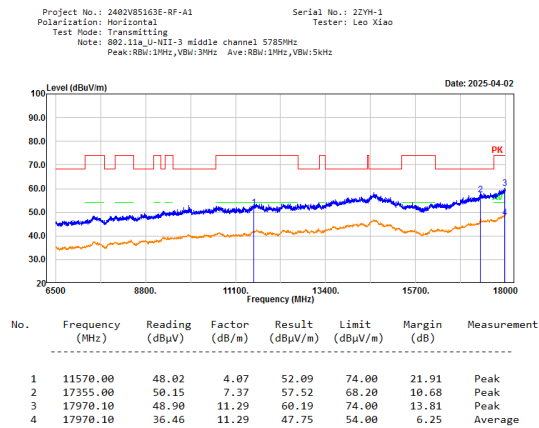
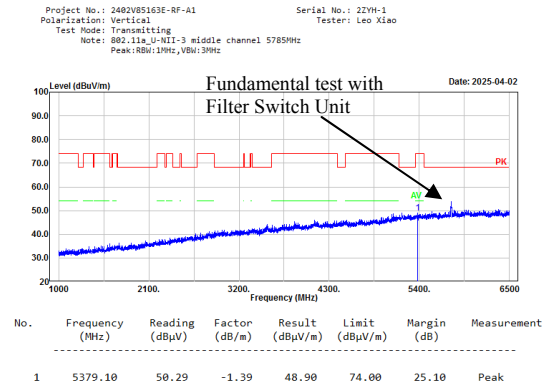
**802.11ac80, High Channel, 5610MHz, Horizontal****802.11ac80, High Channel, 5610MHz, Vertical**

**5725-5850MHz:****802.11a, Low Channel, 5745MHz, Horizontal****802.11a, Low Channel, 5745MHz, Vertical**

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



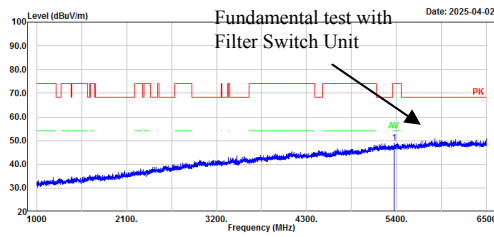
## 802.11a, Middle Channel, 5785MHz, Vertical



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

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a, U-NII-3 high channel 5825MHz  
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

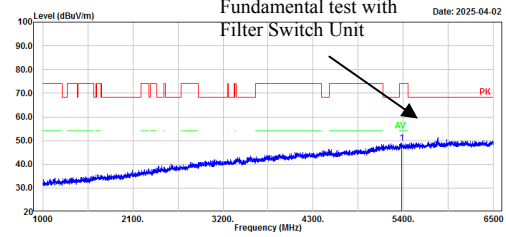


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5368.10	50.34	-1.43	48.91	74.00	25.09	Peak

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

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a, U-NII-3 high channel 5825MHz  
Peak: RBW:1MHz, VBW:3MHz

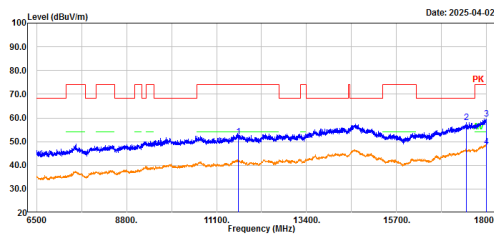
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5374.70	50.25	-1.42	48.83	74.00	25.17	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a, U-NII-3 high channel 5825MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

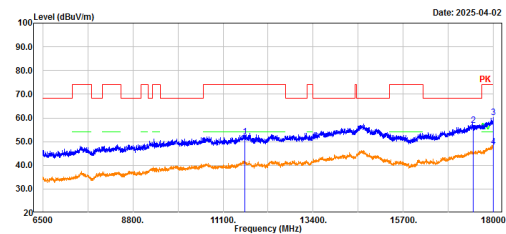
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	47.98	4.13	52.11	74.00	21.89	Peak
2	17475.00	50.04	7.88	57.92	68.20	10.28	Peak
3	17993.10	48.07	11.48	59.55	74.00	14.45	Peak
4	17993.10	36.37	11.48	47.85	54.00	6.15	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a, U-NII-3 high channel 5825MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao



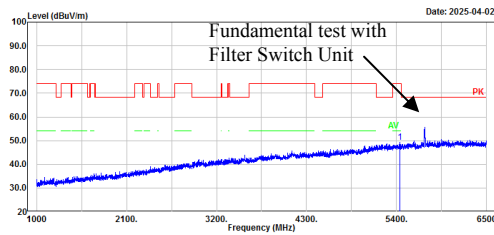
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11650.00	47.97	4.13	52.10	74.00	21.90	Peak
2	17475.00	48.85	7.88	56.73	68.20	11.47	Peak
3	17993.10	48.62	11.48	60.10	74.00	13.90	Peak
4	17993.10	36.28	11.48	47.76	54.00	6.24	Average



## 802.11n20, Low Channel, 5745MHz, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 low channel 5745MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

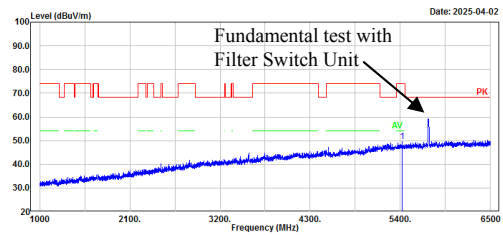


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5440.70	50.52	-1.30	49.22	74.00	24.78	Peak

## 802.11n20, Low Channel, 5745MHz, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 low channel 5745MHz  
Peak:RBW:1MHz,VBW:3MHz

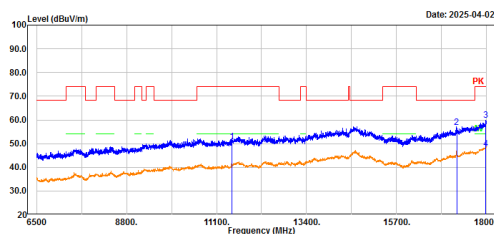
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5425.30	50.97	-1.31	49.66	74.00	24.34	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 low channel 5745MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

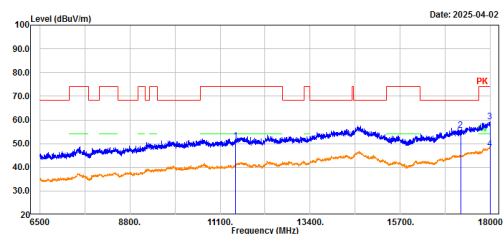
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11490.00	46.63	4.09	50.72	74.00	23.28	Peak
2	17235.00	49.35	7.41	56.76	68.20	11.44	Peak
3	17977.00	48.46	11.35	59.81	74.00	14.19	Peak
4	17977.00	36.32	11.35	47.67	54.00	6.33	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 low channel 5745MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

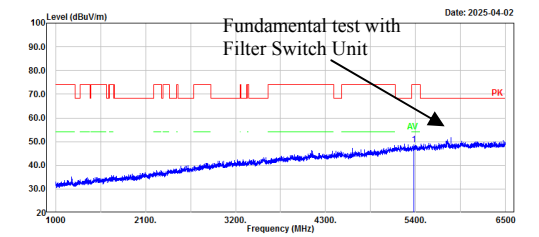
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11490.00	46.96	4.09	51.05	74.00	22.95	Peak
2	17235.00	48.31	7.41	55.72	68.20	12.48	Peak
3	17983.90	47.78	11.40	59.18	74.00	14.82	Peak
4	17983.90	36.39	11.40	47.79	54.00	6.21	Average

**802.11n20, Middle Channel, 5785MHz,  
Horizontal**

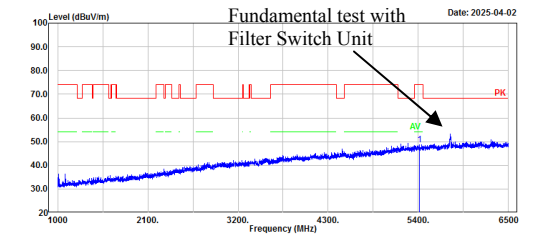
Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Horizontal      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-3 middle channel 5785MHz  
Peak: RBW:1MHz, VBW:3MHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5388.20	50.10	-1.39	48.71	74.00	25.29	Peak

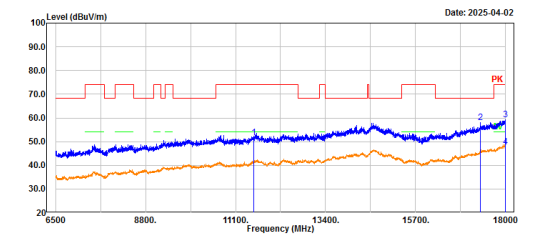
**802.11n20, Middle Channel, 5785MHz,  
Vertical**

Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Vertical      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-3 middle channel 5785MHz  
Peak: RBW:1MHz, VBW:3MHz



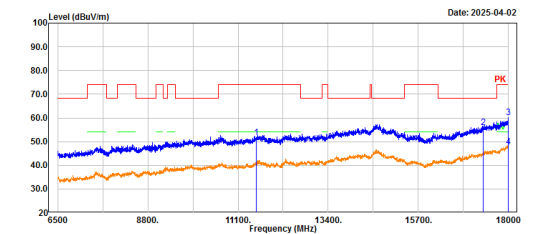
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5489.90	50.11	-1.33	48.78	74.00	25.22	Peak

Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Horizontal      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-3 middle channel 5785MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



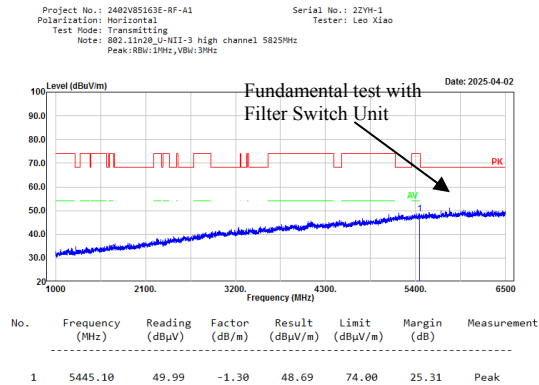
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	47.57	4.07	51.64	74.00	22.36	Peak
2	17355.00	50.60	7.37	57.97	68.20	10.23	Peak
3	17999.00	47.69	11.51	59.20	74.00	14.80	Peak
4	17999.00	36.26	11.51	47.77	54.00	6.23	Average

Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Vertical      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20 U-NII-3 middle channel 5785MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

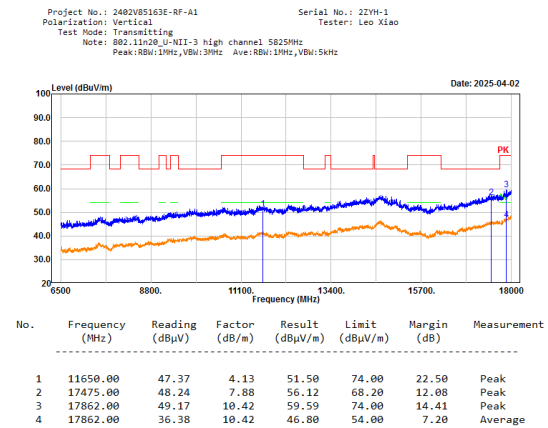
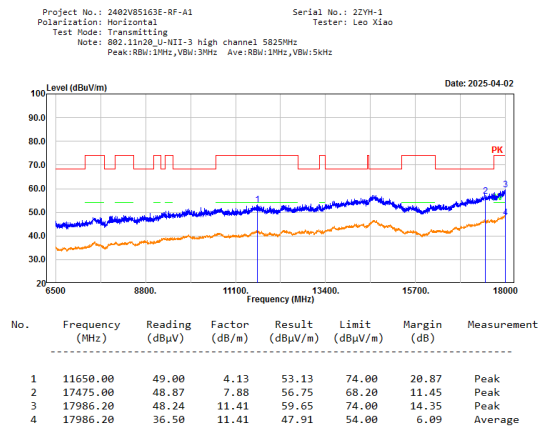
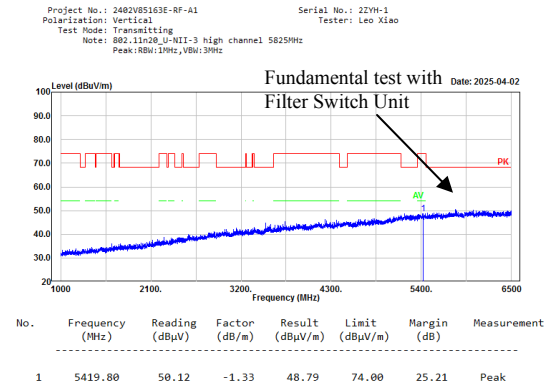


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11570.00	47.53	4.07	51.60	74.00	22.40	Peak
2	17355.00	48.57	7.37	55.94	68.20	12.26	Peak
3	17997.70	48.79	11.51	60.30	74.00	13.70	Peak
4	17997.70	36.38	11.51	47.89	54.00	6.11	Average

## 802.11n20, High Channel, 5825MHz, Horizontal



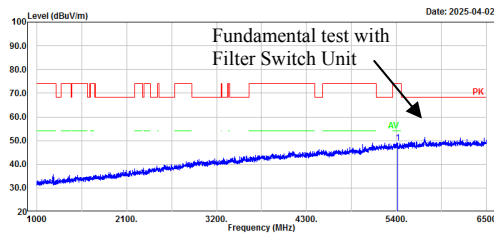
## 802.11n20, High Channel, 5825MHz, Vertical



## 802.11n40, Low Channel, 5755MHz, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 low channel 5755MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

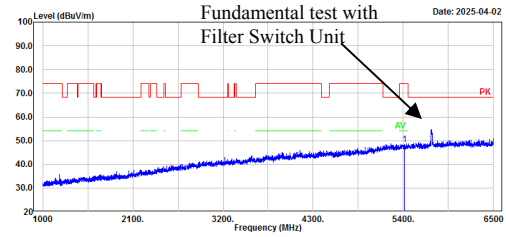


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5415.40	50.37	-1.33	49.04	74.00	24.96	Peak

## 802.11n40, Low Channel, 5755MHz, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 low channel 5755MHz  
Peak:RBW:1MHz,VBW:3MHz

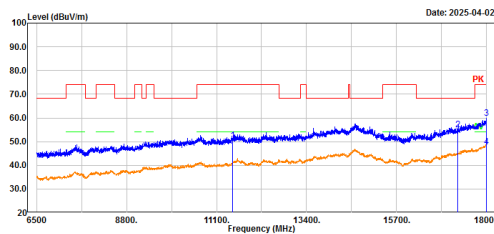
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5411.00	49.72	-1.32	48.40	74.00	25.60	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 low channel 5755MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

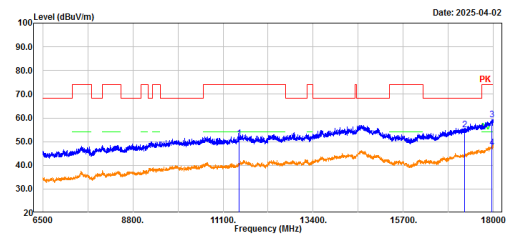
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11510.00	46.49	4.09	50.58	74.00	23.42	Peak
2	17265.00	47.75	7.38	55.13	68.20	13.07	Peak
3	17995.40	48.35	11.49	59.84	74.00	14.16	Peak
4	17995.40	36.33	11.49	47.82	54.00	6.18	Average

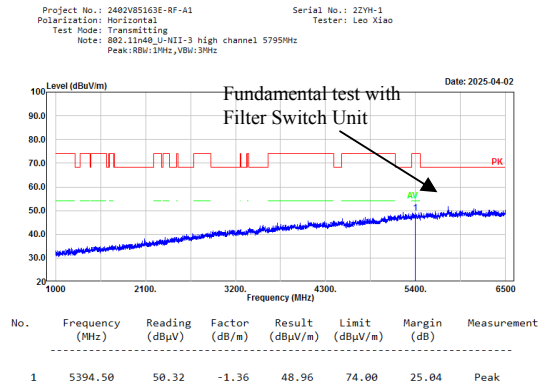
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 low channel 5755MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

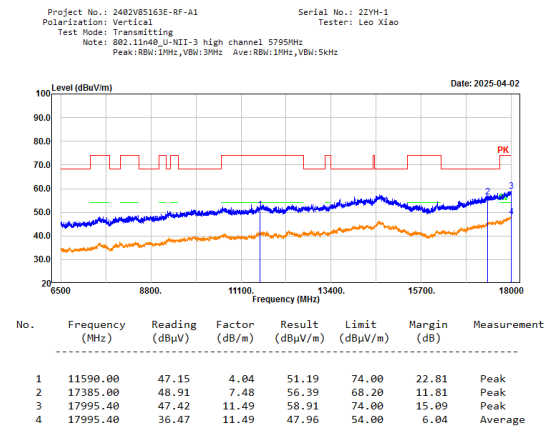
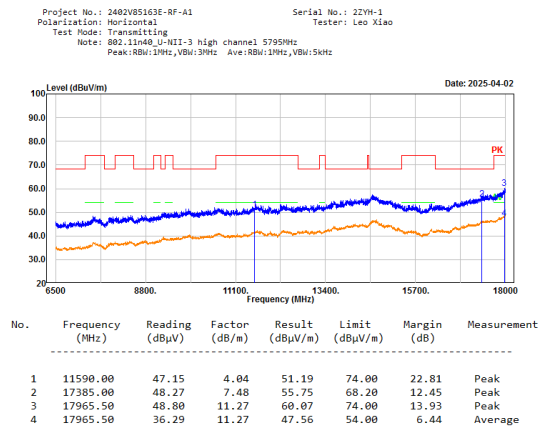
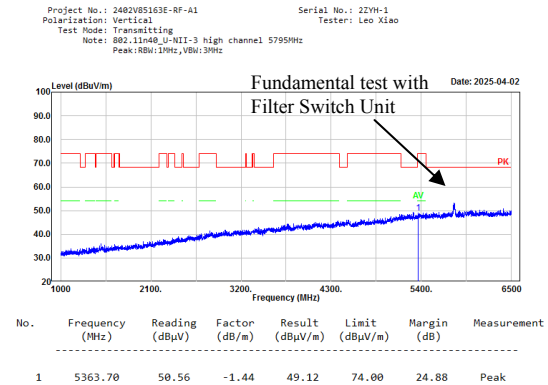


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11510.00	47.45	4.09	51.54	74.00	22.46	Peak
2	17265.00	47.70	7.38	55.08	68.20	13.12	Peak
3	17963.20	48.11	11.24	59.35	74.00	14.65	Peak
4	17963.20	36.37	11.24	47.61	54.00	6.39	Average

## 802.11n40, High Channel, 5795MHz, Horizontal



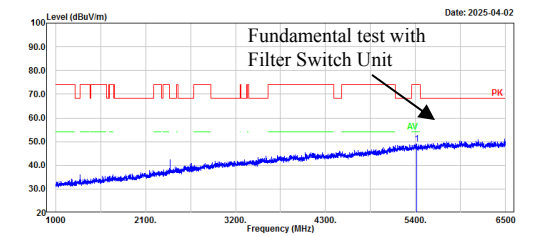
## 802.11n40, High Channel, 5795MHz, Vertical



**802.11ac80, Middle Channel, 5775MHz,  
Horizontal**

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-3 middle channel 5775MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 22YH-1  
Tester: Leo Xiao

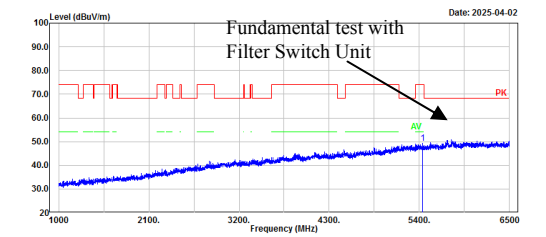


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5409.90	50.45	-1.33	49.12	74.00	24.88	Peak

**802.11ac80, Middle Channel, 5775MHz,  
Vertical**

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-3 middle channel 5775MHz  
Peak:RBW:1MHz,VBW:3MHz

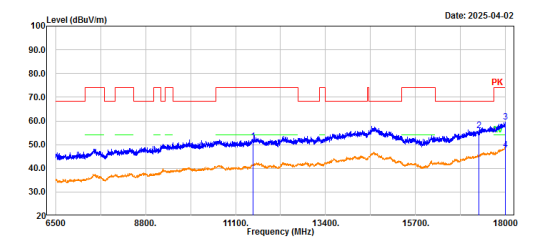
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5438.50	50.60	-1.31	49.29	74.00	24.71	Peak

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-3 middle channel 5775MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

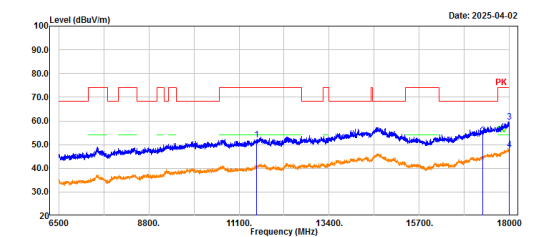
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	47.35	4.08	51.43	74.00	22.57	Peak
2	17325.00	48.56	7.26	55.82	68.20	12.38	Peak
3	17986.20	48.03	11.41	59.44	74.00	14.56	Peak
4	17986.20	36.31	11.41	47.72	54.00	6.28	Average

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-3 middle channel 5775MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

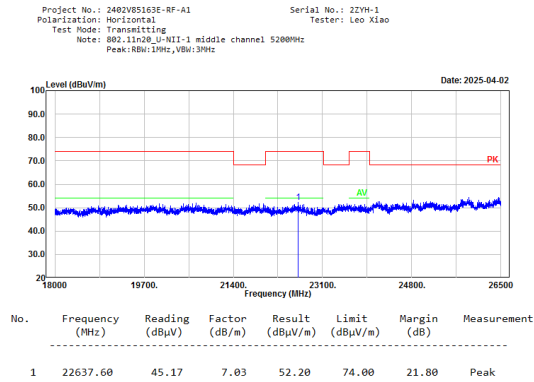
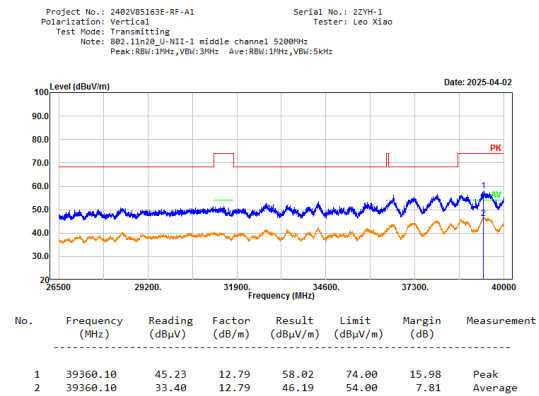
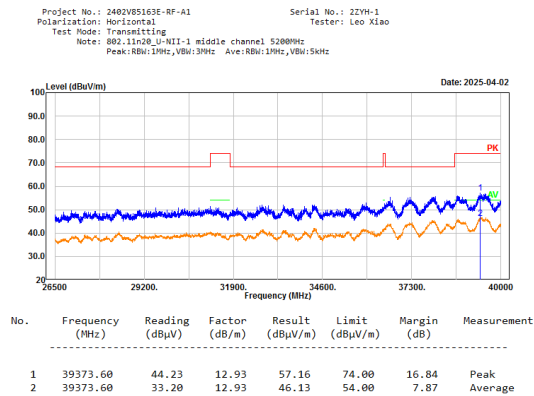
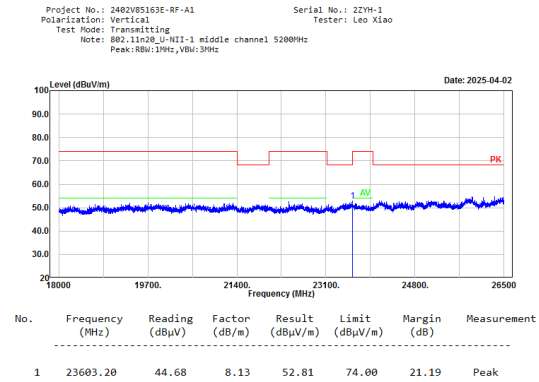
Serial No.: 22YH-1  
Tester: Leo Xiao

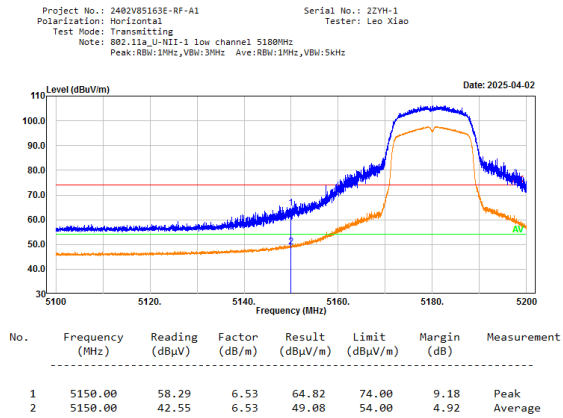
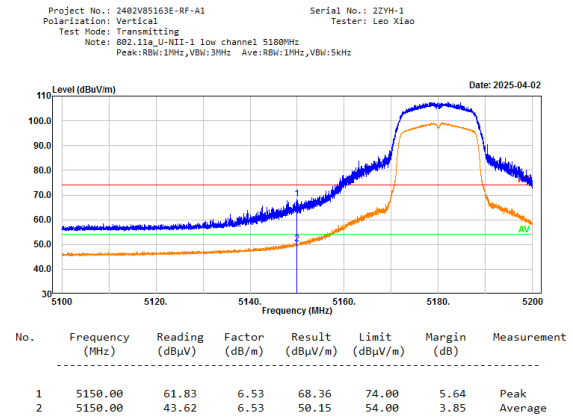
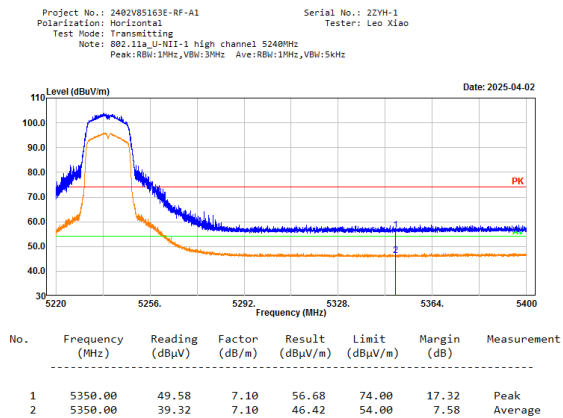
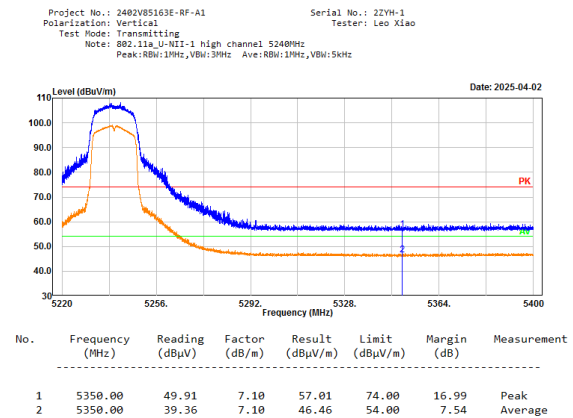


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11550.00	47.79	4.08	51.87	74.00	22.13	Peak
2	17325.00	46.61	7.26	53.87	68.20	14.33	Peak
3	17997.70	48.07	11.51	59.58	74.00	14.42	Peak
4	17997.70	36.38	11.51	47.89	54.00	6.11	Average

**18-40GHz:**

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

**802.11n20 mode 5200MHz, Horizontal****802.11n20 mode 5200MHz, Vertical**

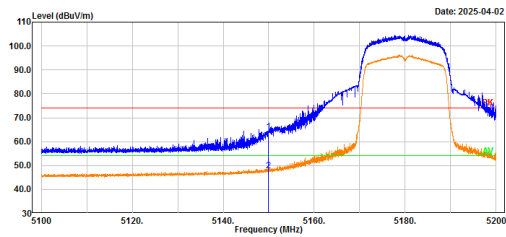
**Bandedge:  
5150-5250MHz:****802.11a, 5180MHz, Bandedge, Horizontal****802.11a, 5180MHz, Bandedge, Vertical****802.11a, 5240MHz, Bandedge, Horizontal****802.11a, 5240MHz, Bandedge, Vertical**



## 802.11n20, 5180MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 low channel 5180MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

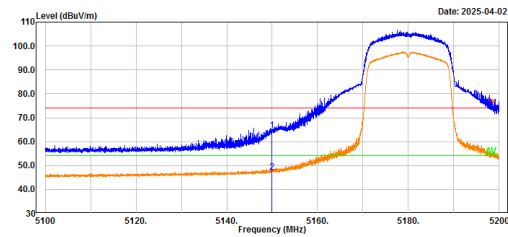


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	57.64	6.53	64.17	74.00	9.83	Peak
2	5150.00	41.27	6.53	47.80	54.00	6.20	Average

## 802.11n20, 5180MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 low channel 5180MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

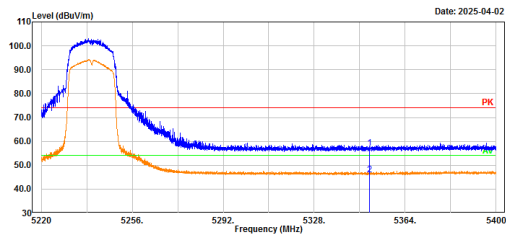


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	58.28	6.53	64.81	74.00	9.19	Peak
2	5150.00	40.55	6.53	47.08	54.00	6.92	Average

## 802.11n20, 5240MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 high channel 5240MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

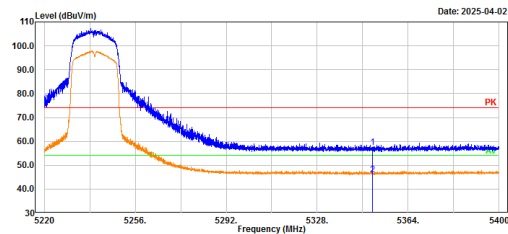


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	50.04	7.10	57.14	74.00	16.86	Peak
2	5350.00	38.85	7.10	45.95	54.00	8.05	Average

## 802.11n20, 5240MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-1 high channel 5240MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

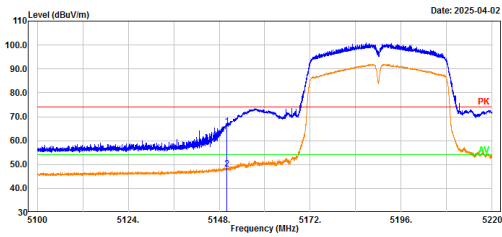


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	50.31	7.10	57.41	74.00	16.59	Peak
2	5350.00	38.90	7.10	46.00	54.00	8.00	Average

**802.11n40, 5190MHz, Bandedge, Horizontal**

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 low channel 5190MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

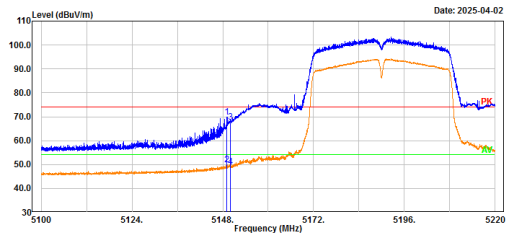


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	59.26	6.53	65.79	74.00	8.21	Peak
2	5150.00	41.49	6.53	48.02	54.00	5.98	Average

**802.11n40, 5190MHz, Bandedge, Vertical**

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 low channel 5190MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 22YH-1  
Tester: Leo Xiao

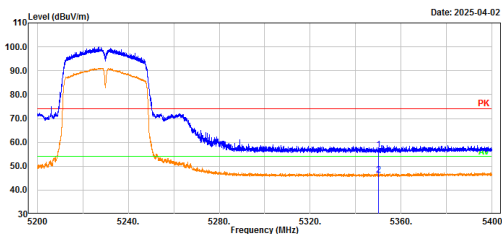


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5149.13	63.28	6.52	69.80	74.00	4.20	Peak
2	5149.13	43.51	6.52	50.03	54.00	3.97	Average
3	5150.00	61.32	6.53	67.85	74.00	6.15	Peak
4	5150.00	42.37	6.53	48.90	54.00	5.10	Average

**802.11n40, 5230MHz, Bandedge, Horizontal**

Project No.: 2402V85163E-RF-A1  
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.: 22YH-1  
Tester: Leo Xiao

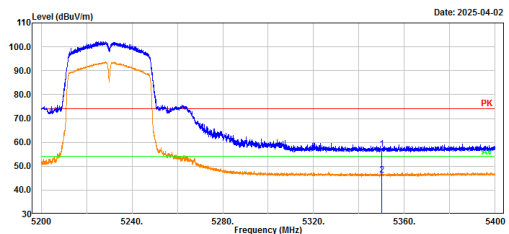


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.73	7.10	56.83	74.00	17.17	Peak
2	5350.00	39.07	7.10	46.17	54.00	7.83	Average

**802.11n40, 5230MHz, Bandedge, Vertical**

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-1 high channel 5230MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

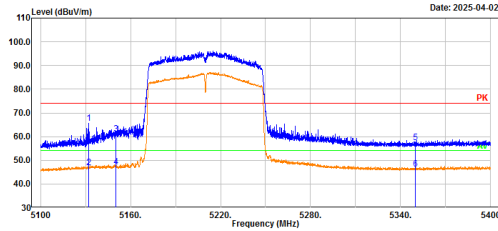
Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	50.01	7.10	57.11	74.00	16.89	Peak
2	5350.00	39.27	7.10	46.37	54.00	7.63	Average

## 802.11ac80, 5210MHz, Bandedge, Horizontal

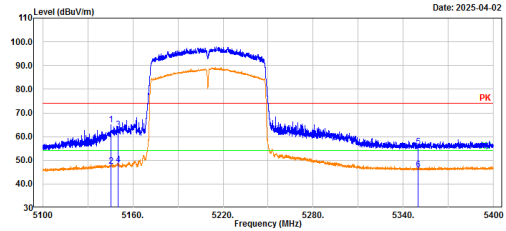
Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Horizontal      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11ac80, U-NII-1 middle channel 5210MHz  
Peak: RBW:1MHz, VBW:3MHz    Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5132.22	59.28	6.46	65.74	74.00	8.26	Peak
2	5132.22	40.38	6.46	46.84	54.00	7.16	Average
3	5150.00	54.67	6.53	61.20	74.00	12.80	Peak
4	5150.00	40.64	6.53	47.17	54.00	6.83	Average
5	5350.00	50.38	7.10	57.48	74.00	16.52	Peak
6	5350.00	39.34	7.10	46.44	54.00	7.56	Average

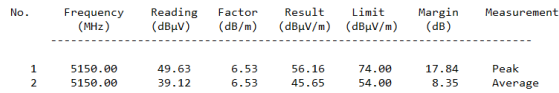
## 802.11ac80, 5210MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Vertical      Tester: Leo Xiao  
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	5145.36	58.58	6.51	65.09	74.00	8.91	Peak
2	5145.36	41.11	6.51	47.62	54.00	6.38	Average
3	5150.00	56.32	6.53	62.85	74.00	11.15	Peak
4	5150.00	41.58	6.53	48.11	54.00	5.89	Average
5	5350.00	48.57	7.10	55.67	74.00	18.33	Peak
6	5350.00	38.96	7.10	46.06	54.00	7.94	Average

### 802.11a, 5260MHz, Bandedge, Horizontal



Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Vertical      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11a\_U-NII-2A low channel 5260MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
5150.00	49.93	6.53	56.46	74.00	17.54	Peak
5150.00	39.05	6.53	45.58	54.00	8.42	Average

Project No.: 2402VBS163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Notes: 800:11a.1-MII-2A high channel 5320MHz  
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz,VBW:5KHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

Date: 2025-04-02

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
5350.00	55.42	7.10	62.52	74.00	11.48	Peak
5350.00	40.30	7.10	47.40	54.00	6.60	Average

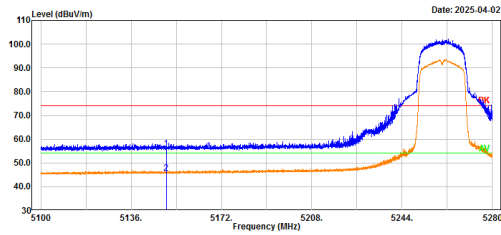
Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Vertical      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 800:11a\_U-11I-2A high channel 5320MHz  
Peak: RBW:1MHz, VBW:30Hz Ave: RBW:1MHz, VBW:5kHz

Date: 2025-04-02

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
5350.00	59.66	7.10	66.76	74.00	7.24	Peak
5350.00	40.71	7.10	47.81	54.00	6.19	Average

## 802.11n20, 5260MHz, Bandedge, Horizontal

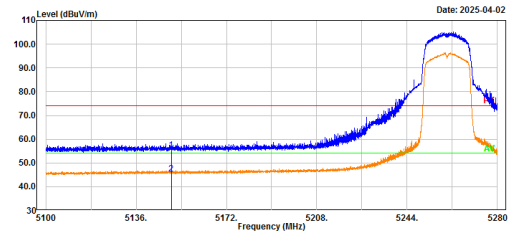
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Horizontal Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2A low channel 5260MHz  
Peak: RBW:1MHz, VBW:30Hz Ave:RBW:10Hz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	49.46	6.53	55.99	74.00	18.01	Peak
2	5150.00	39.08	6.53	45.61	54.00	8.39	Average

## 802.11n20, 5260MHz, Bandedge, Vertical

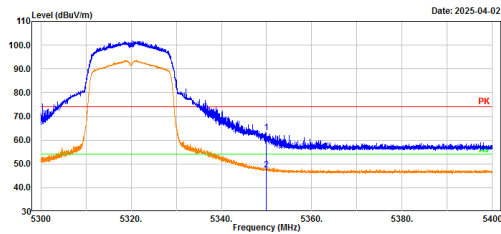
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Vertical Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2A low channel 5260MHz  
Peak: RBW:1MHz, VBW:30Hz Ave:RBW:10Hz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	48.96	6.53	55.49	74.00	18.51	Peak
2	5150.00	38.98	6.53	45.51	54.00	8.49	Average

## 802.11n20, 5320MHz, Bandedge, Horizontal

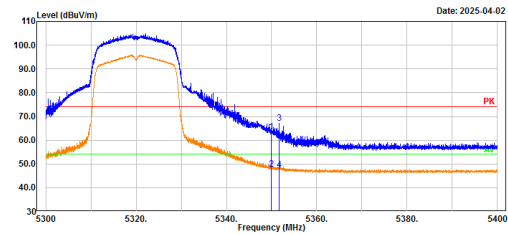
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Horizontal Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2A high channel 5320MHz  
Peak: RBW:1MHz, VBW:30Hz Ave:RBW:10Hz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	56.20	7.10	63.30	74.00	10.70	Peak
2	5350.00	40.46	7.10	47.56	54.00	6.44	Average

## 802.11n20, 5320MHz, Bandedge, Vertical

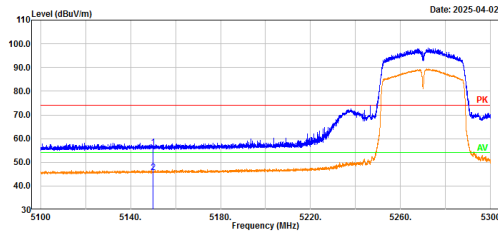
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Vertical Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-2A high channel 5320MHz  
Peak: RBW:1MHz, VBW:30Hz Ave:RBW:10Hz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	56.28	7.10	63.38	74.00	10.62	Peak
2	5350.00	40.80	7.10	47.90	54.00	6.10	Average
3	5351.72	59.99	7.11	67.10	74.00	6.90	Peak
4	5351.72	40.35	7.11	47.46	54.00	6.54	Average

## 802.11n40, 5270MHz, Bandedge, Horizontal

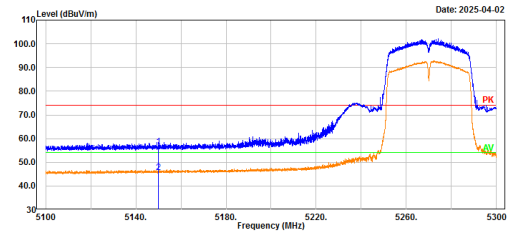
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Horizontal Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2A low channel 5270MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	49.85	6.53	56.38	74.00	17.62	Peak
2	5150.00	39.32	6.53	45.85	54.00	8.15	Average

## 802.11n40, 5270MHz, Bandedge, Vertical

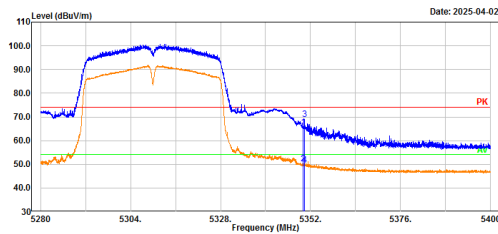
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Vertical Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2A low channel 5270MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	50.11	6.53	56.64	74.00	17.36	Peak
2	5150.00	39.30	6.53	45.83	54.00	8.17	Average

## 802.11n40, 5310MHz, Bandedge, Horizontal

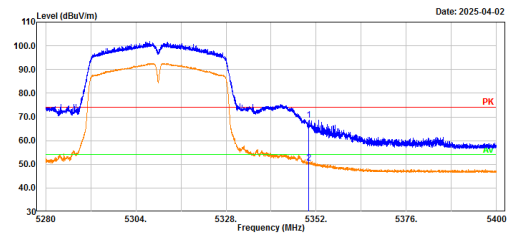
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Horizontal Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2A high channel 5310MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	58.46	7.10	65.56	74.00	8.44	Peak
2	5350.00	43.03	7.10	50.13	54.00	3.87	Average
3	5350.44	61.70	7.11	68.81	74.00	5.19	Peak
4	5350.44	42.55	7.11	49.66	54.00	4.34	Average

## 802.11n40, 5310MHz, Bandedge, Vertical

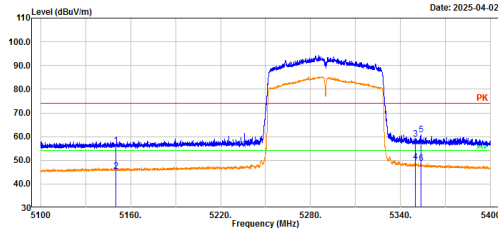
Project No.: 2402V85163E-RF-A1 Serial No.: 22YH-1  
Polarization: Vertical Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2A high channel 5310MHz  
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	61.67	7.10	68.77	74.00	5.23	Peak
2	5350.00	43.49	7.10	50.59	54.00	3.41	Average

## 802.11ac80, 5290MHz, Bandedge, Horizontal

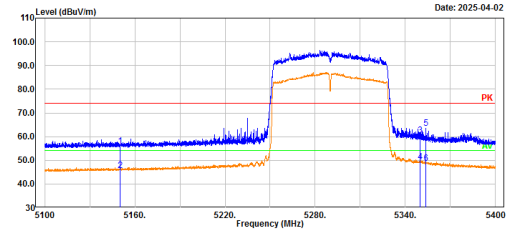
Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Horizontal      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11ac80, U-NII-2A middle channel 5290MHz  
Peak: RBW:1MHz, VBW:3MHz    Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	49.88	6.53	56.41	74.00	17.59	Peak
2	5150.00	38.87	6.53	45.40	54.00	8.60	Average
3	5350.00	52.00	7.10	59.10	74.00	14.90	Peak
4	5350.00	42.37	7.10	49.47	54.00	4.53	Average
5	5353.62	53.59	7.12	60.71	74.00	13.29	Peak
6	5353.62	41.51	7.12	48.63	54.00	5.37	Average

## 802.11ac80, 5290MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1      Serial No.: 22YH-1  
Polarization: Vertical      Tester: Leo Xiao  
Test Mode: Transmitting  
Note: 802.11ac80, U-NII-2A middle channel 5290MHz  
Peak: RBW:1MHz, VBW:3MHz    Ave: RBW:1MHz, VBW:5kHz



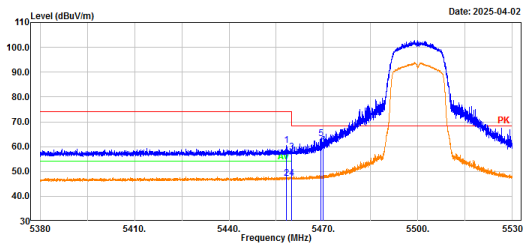
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	49.48	6.53	56.01	74.00	17.99	Peak
2	5150.00	39.17	6.53	45.70	54.00	8.30	Average
3	5350.00	53.42	7.10	60.52	74.00	13.48	Peak
4	5350.00	42.37	7.10	49.47	54.00	4.53	Average
5	5353.62	56.45	7.12	63.57	74.00	10.43	Peak
6	5353.62	41.51	7.12	48.63	54.00	5.37	Average

## 5470-5725MHz:

## 802.11a, 5500MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C low channel 5500MHz  
Peak: RBW: 1MHz, VBW: 30Hz Ave: RBW: 1MHz, VBW: 5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

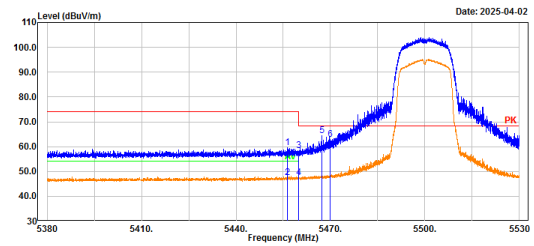


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5458.18	53.03	7.32	60.35	74.00	13.65	Peak
2	5458.18	39.94	7.32	47.26	54.00	6.74	Average
3	5460.00	50.32	7.33	57.65	74.00	16.35	Peak
4	5460.00	40.01	7.33	47.34	54.00	6.66	Average
5	5469.25	55.73	7.34	63.07	68.20	5.13	Peak
6	5470.00	53.26	7.34	60.60	68.20	7.60	Peak

## 802.11a, 5500MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C low channel 5500MHz  
Peak: RBW: 1MHz, VBW: 30Hz Ave: RBW: 1MHz, VBW: 5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

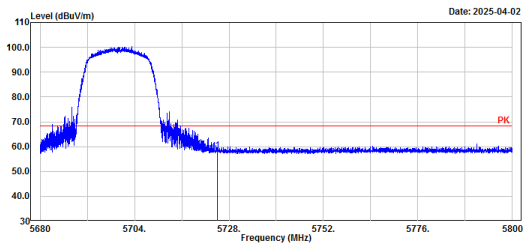


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5456.29	52.22	7.33	59.55	74.00	14.45	Peak
2	5456.29	40.24	7.33	47.57	54.00	6.43	Average
3	5460.00	50.96	7.33	58.29	74.00	15.71	Peak
4	5460.00	40.16	7.33	47.49	54.00	6.51	Average
5	5467.33	57.20	7.33	64.53	68.20	3.67	Peak
6	5470.00	55.58	7.34	62.92	68.20	5.28	Peak

## 802.11a, 5700MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C high channel 5700MHz  
Peak: RBW: 1MHz, VBW: 30Hz

Serial No.: 22YH-1  
Tester: Ted Wang

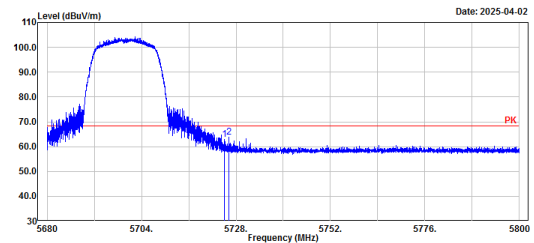


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	50.20	8.03	58.23	68.20	9.97	Peak

## 802.11a, 5700MHz, Bandedge, Vertical

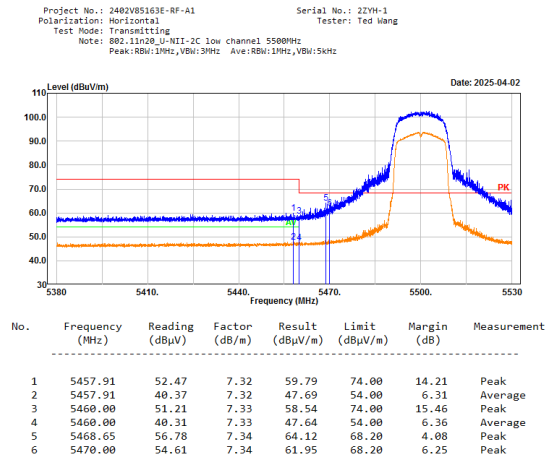
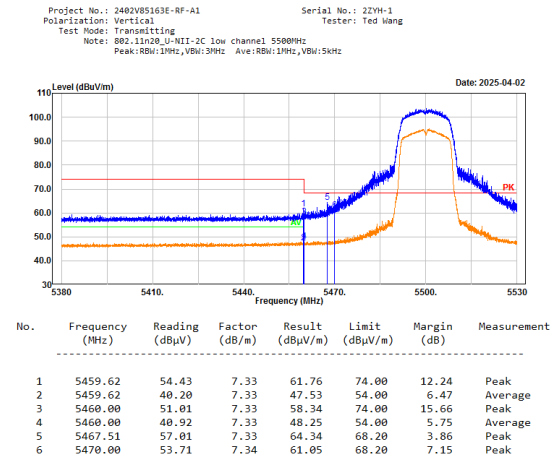
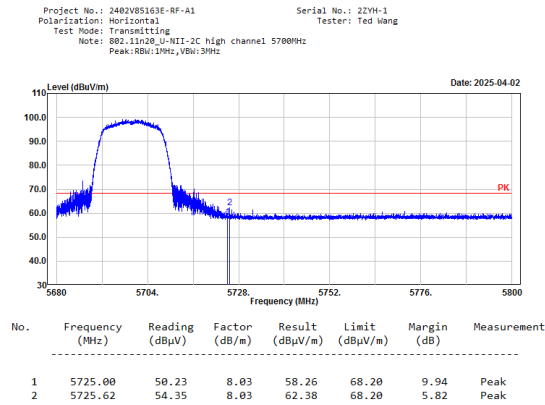
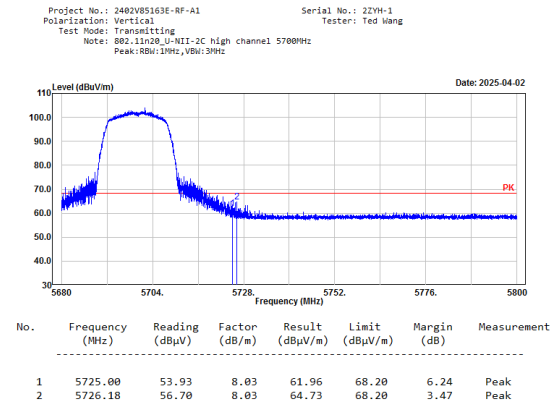
Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11a U-NII-2C high channel 5700MHz  
Peak: RBW: 1MHz, VBW: 30Hz

Serial No.: 22YH-1  
Tester: Ted Wang



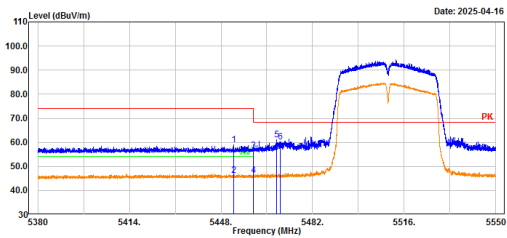
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	54.88	8.03	62.91	68.20	5.29	Peak
2	5726.25	55.84	8.03	63.87	68.20	4.33	Peak



**802.11n20, 5500MHz, Bandedge, Horizontal****802.11n20, 5500MHz, Bandedge, Vertical****802.11n20, 5700MHz, Bandedge, Horizontal****802.11n20, 5700MHz, Bandedge, Vertical**

## 802.11n40, 5510MHz, Bandedge, Horizontal

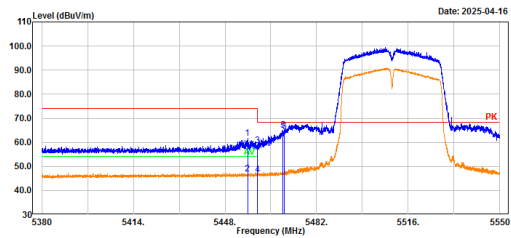
Project No.: 2402V85163E-RF-A1 Serial No.: ZZYH-1  
Polarization: Horizontal Tester: Ted Wang  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2C low channel 5510MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5452.73	51.60	7.32	58.92	74.00	15.08	Peak
2	5452.73	38.88	7.32	46.20	54.00	7.80	Average
3	5460.00	49.16	7.33	56.49	74.00	17.51	Peak
4	5460.00	38.92	7.33	46.25	54.00	7.75	Average
5	5469.77	53.72	7.34	61.06	68.20	7.14	Peak
6	5470.00	52.82	7.34	60.16	68.20	8.04	Peak

## 802.11n40, 5510MHz, Bandedge, Vertical

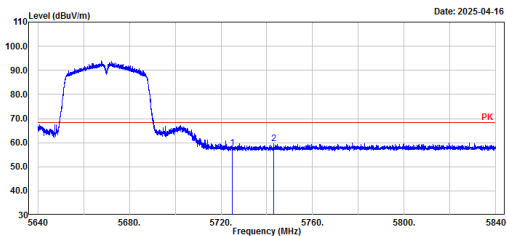
Project No.: 2402V85163E-RF-A1 Serial No.: ZZYH-1  
Polarization: Vertical Tester: Ted Wang  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2C low channel 5510MHz  
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5456.36	54.28	7.33	61.61	74.00	12.39	Peak
2	5456.36	39.64	7.33	46.97	54.00	7.03	Average
3	5460.00	51.37	7.33	58.70	74.00	15.30	Peak
4	5460.00	39.33	7.33	46.66	54.00	7.34	Average
5	5469.49	57.59	7.34	64.93	68.20	3.27	Peak
6	5470.00	57.08	7.34	64.42	68.20	3.78	Peak

## 802.11n40, 5670MHz, Bandedge, Horizontal

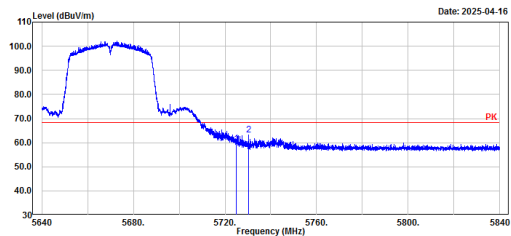
Project No.: 2402V85163E-RF-A1 Serial No.: ZZYH-1  
Polarization: Horizontal Tester: Ted Wang  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2C high channel 5670MHz  
Peak: RBW:1MHz, VBW:3MHz



No.	Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	49.70	8.03	57.73	68.20	10.47	Peak
2	5743.04	51.67	8.06	59.73	68.20	8.47	Peak

## 802.11n40, 5670MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1 Serial No.: ZZYH-1  
Polarization: Vertical Tester: Ted Wang  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-2C high channel 5670MHz  
Peak: RBW:1MHz, VBW:3MHz

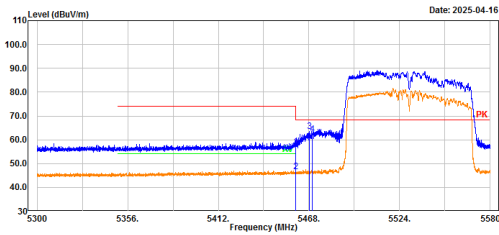


No.	Frequency (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	51.63	8.03	59.66	68.20	8.54	Peak
2	5730.32	55.14	8.04	63.18	68.20	5.02	Peak

## 802.11ac80, 5530MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2C low channel 5530MHz  
Peak:RBW:1MHz,VBW:30Hz Ave:RBW:10Hz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

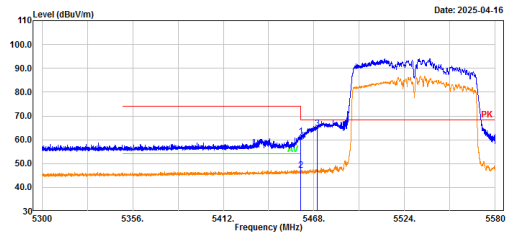


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5468.00	49.72	7.33	57.05	74.00	16.95	Peak
2	5468.00	39.38	7.33	46.71	54.00	7.29	Average
3	5468.34	56.32	7.34	63.66	68.20	4.54	Peak
4	5470.00	55.00	7.34	62.34	68.20	5.86	Peak

## 802.11ac80, 5530MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2C low channel 5530MHz  
Peak:RBW:1MHz,VBW:30Hz Ave:RBW:10Hz,VBW:5kHz

Serial No.: 22YH-1  
Tester: Ted Wang

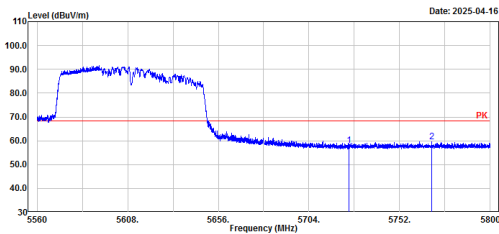


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5468.00	54.04	7.33	61.37	74.00	12.63	Peak
2	5468.00	39.00	7.33	47.13	54.00	6.87	Average
3	5470.00	57.27	7.34	64.61	68.20	3.59	Peak

## 802.11ac80, 5610MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2C high channel 5610MHz  
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 22YH-1  
Tester: Ted Wang

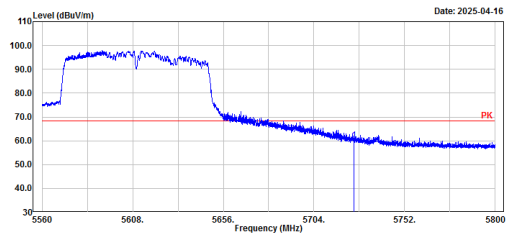


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	49.90	8.03	57.93	68.20	10.27	Peak
2	5768.99	51.56	8.11	59.67	68.20	8.53	Peak

## 802.11ac80, 5610MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-2C high channel 5610MHz  
Peak:RBW:1MHz,VBW:30Hz

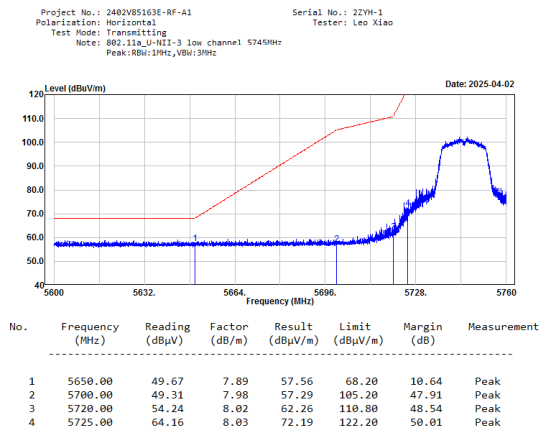
Serial No.: 22YH-1  
Tester: Ted Wang



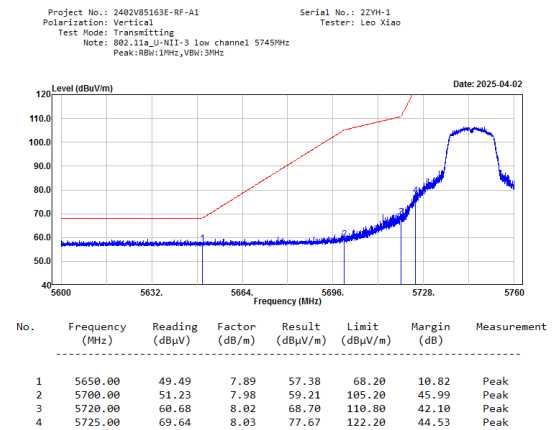
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	52.08	8.03	60.11	68.20	8.09	Peak

## 5725-5850MHz:

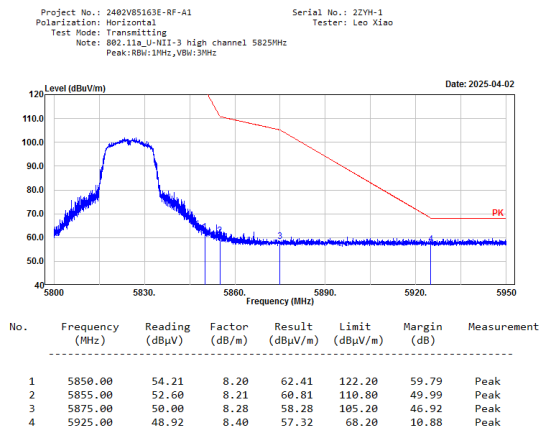
## 802.11a, 5745MHz, Bandedge, Horizontal



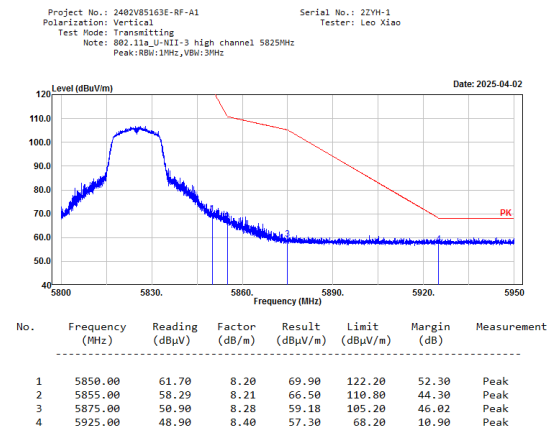
## 802.11a, 5745MHz, Bandedge, Vertical



## 802.11a, 5825MHz, Bandedge, Horizontal



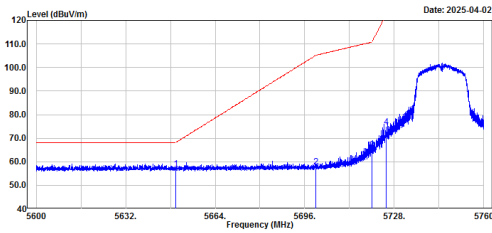
## 802.11a, 5825MHz, Bandedge, Vertical



## 802.11n20, 5745MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 low channel 5745MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

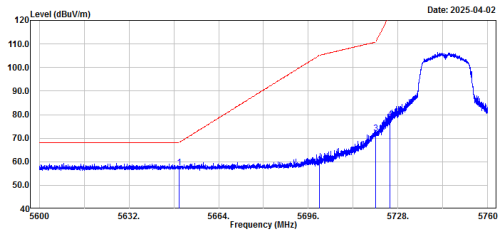


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	49.02	7.89	56.91	68.20	11.29	Peak
2	5700.00	49.85	7.98	57.83	105.20	47.37	Peak
3	5720.00	56.91	8.02	64.93	110.80	45.87	Peak
4	5725.00	66.65	8.03	74.68	122.20	47.52	Peak

## 802.11n20, 5745MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 low channel 5745MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

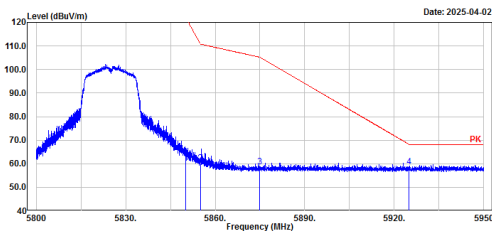


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	49.77	7.89	57.66	68.20	10.54	Peak
2	5700.00	50.44	7.98	58.42	105.20	46.78	Peak
3	5720.00	63.91	8.02	71.93	110.80	38.87	Peak
4	5725.00	69.90	8.03	77.93	122.20	44.27	Peak

## 802.11n20, 5825MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 high channel 5825MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

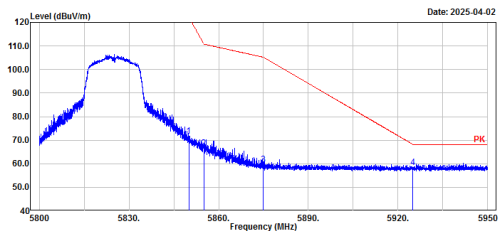


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	54.61	8.20	62.81	122.20	59.39	Peak
2	5855.00	51.94	8.21	60.15	110.80	50.65	Peak
3	5875.00	50.33	8.28	58.61	105.20	46.59	Peak
4	5925.00	50.17	8.40	58.57	68.20	9.63	Peak

## 802.11n20, 5825MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n20\_U-NII-3 high channel 5825MHz  
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 2ZYH-1  
Tester: Leo Xiao

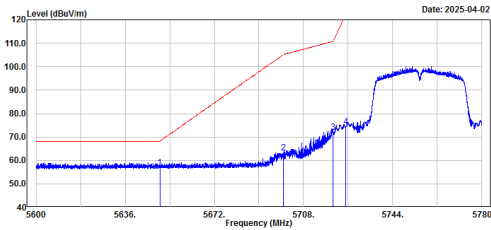


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	63.60	8.20	71.80	122.20	50.40	Peak
2	5855.00	58.42	8.21	66.63	110.80	44.17	Peak
3	5875.00	51.21	8.28	59.49	105.20	45.71	Peak
4	5925.00	49.94	8.40	58.34	68.20	9.86	Peak

## 802.11n40, 5755MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 low channel 5755MHz  
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 22VH-1  
Tester: Leo Xiao

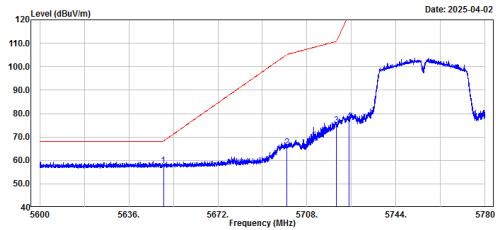


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	49.13	7.89	57.02	68.20	11.18	Peak
2	5700.00	55.17	7.98	63.15	105.20	42.05	Peak
3	5720.00	64.04	8.02	72.06	110.80	38.74	Peak
4	5725.00	66.30	8.03	74.33	122.20	47.87	Peak

## 802.11n40, 5755MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 low channel 5755MHz  
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 22VH-1  
Tester: Leo Xiao

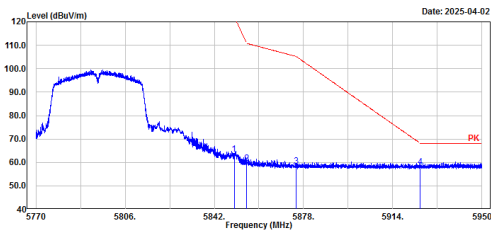


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	49.96	7.89	57.85	68.20	10.35	Peak
2	5700.00	57.80	7.98	65.78	105.20	39.42	Peak
3	5720.00	66.97	8.02	74.99	110.80	35.81	Peak
4	5725.00	68.82	8.03	76.85	122.20	45.35	Peak

## 802.11n40, 5795MHz, Bandedge, Horizontal

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 high channel 5795MHz  
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 22VH-1  
Tester: Leo Xiao

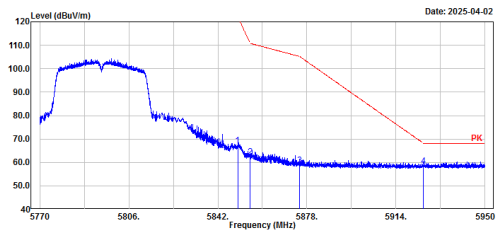


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	55.23	8.20	63.43	122.20	58.77	Peak
2	5855.00	51.49	8.21	59.70	110.80	51.10	Peak
3	5875.00	50.14	8.28	58.42	105.20	46.78	Peak
4	5925.00	49.59	8.40	57.99	68.20	10.21	Peak

## 802.11n40, 5795MHz, Bandedge, Vertical

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11n40\_U-NII-3 high channel 5795MHz  
Peak: RBW:1MHz, VBW:30Hz

Serial No.: 22VH-1  
Tester: Leo Xiao

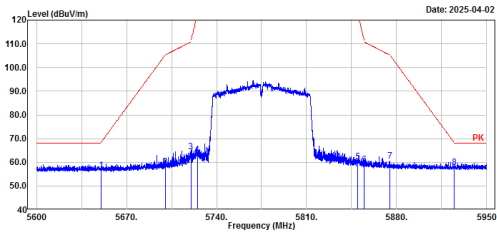


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5850.00	58.92	8.20	67.12	122.20	55.08	Peak
2	5855.00	54.02	8.21	62.23	110.80	48.57	Peak
3	5875.00	50.42	8.28	58.70	105.20	46.50	Peak
4	5925.00	50.09	8.40	58.49	68.20	9.71	Peak

**802.11ac80, 5775MHz, Bandedge, Horizontal**

Project No.: 2402V85163E-RF-A1  
Polarization: Horizontal  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-3 middle channel 5775MHz  
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 22YH-1  
Tester: Leo Xiao

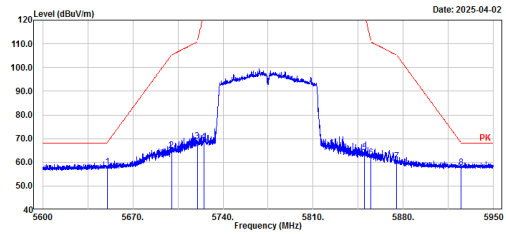


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	48.71	7.89	56.60	68.20	11.60	Peak
2	5700.00	50.14	7.98	58.12	105.20	47.08	Peak
3	5720.00	56.33	8.02	64.35	110.80	46.45	Peak
4	5725.00	55.18	8.03	63.21	122.20	58.99	Peak
5	5850.00	52.06	8.20	60.26	122.20	61.94	Peak
6	5855.00	50.93	8.21	59.14	110.80	51.66	Peak
7	5875.00	52.27	8.28	60.55	105.20	44.65	Peak
8	5925.00	49.39	8.40	57.79	68.20	10.41	Peak

**802.11ac80, 5775MHz, Bandedge, Vertical**

Project No.: 2402V85163E-RF-A1  
Polarization: Vertical  
Test Mode: Transmitting  
Note: 802.11ac80\_U-NII-3 middle channel 5775MHz  
Peak:RBW:1MHz,VBW:30Hz

Serial No.: 22YH-1  
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5650.00	50.08	7.89	57.97	68.20	10.23	Peak
2	5700.00	57.05	7.98	65.03	105.20	40.17	Peak
3	5720.00	60.99	8.02	69.01	110.80	41.79	Peak
4	5725.00	60.62	8.03	68.65	122.20	53.55	Peak
5	5850.00	56.06	8.20	64.26	122.20	57.94	Peak
6	5855.00	53.89	8.21	62.10	110.80	48.70	Peak
7	5875.00	52.14	8.28	60.42	105.20	44.78	Peak
8	5925.00	49.51	8.40	57.91	68.20	10.29	Peak

**5.3 Spot Check With Maximum Conducted Output Power**

<b>Serial No.:</b>	2ZYH-1	<b>Test Date:</b>	2025/04/12
<b>Test Site:</b>	RF	<b>Test Mode:</b>	Transmitting
<b>Tester:</b>	Tower Qing	<b>Test Result:</b>	Pass

**Environmental Conditions:**

<b>Temperature:</b> (°C)	24.5	<b>Relative Humidity:</b> (%)	66	<b>ATM Pressure:</b> (kPa)	100.7
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2024/08/27	2025/08/26

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

**Test Data:****5150-5250MHz**

Mode	Test Frequency (MHz)	Average Output Power(dBm)	Limit (dBm)	Verdict
802.11n20	5180	15.37	24	Pass
	5200	15.44	24	Pass
	5240	15.2	24	Pass

Note: The Spot Check data were similar to the original data.



## 5.4 Duty Cycle

Serial No.:	2ZYH-1	Test Date:	2025/04/12
Test Site:	RF	Test Mode:	Transmitting
Tester:	Tower Qing	Test Result:	/

## Environmental Conditions:

Temperature: (°C)	24.5	Relative Humidity: (%)	66	ATM Pressure: (kPa)	100.7
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## Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Coaxial Attenuator	10dB	F-08-EM512	2024/06/13	2025/06/12
R&S	Spectrum Analyzer	FSV40	101589	2024/09/05	2025/09/04

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

## Test Data:

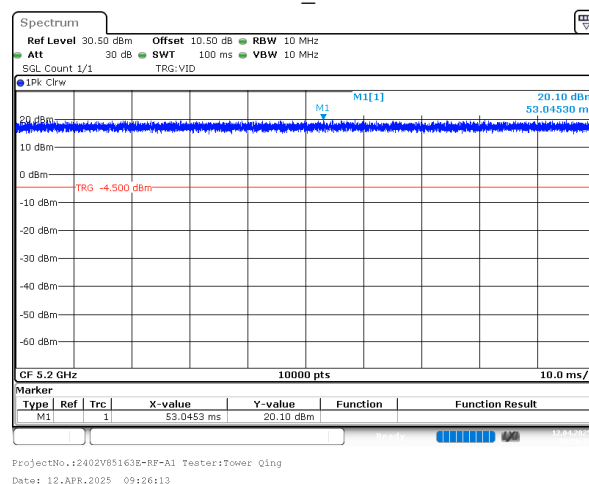
### 5150-5250MHz

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11n20	5200	100	100	100	0	NA	0.010

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

### 5150-5250MHz

802.11n20\_5200MHz



## **EXHIBIT A - EUT PHOTOGRAPHS**

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Please refer to the attachment 2402V85163E-RF-A1-EXP EUT EXTERNAL PHOTOGRAPHS and 2402V85163E-RF-A1-INP EUT INTERNAL PHOTOGRAPHS.

## **EXHIBIT B - TEST SETUP PHOTOGRAPHS**

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Please refer to the attachment 2402V85163E-RF-00DA1-TSP TEST SETUP PHOTOGRAPHS.

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