

TEST REPORT

Applicant: Telpo Technology Co., Ltd.

Address: No.15, Juyuan South Road, Guicheng Street, Nanhai District,
Foshan City, Guangdong, China

Product Name: Cash Register

FCC ID: 2AJ2B-C9D

Standard(s): 47 CFR Part 15, Subpart E(15.407)
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 +
Errata to C63.10a-2024
KDB 789033 D02 General U-NII Test Procedures New Rules
v02r01

Report Number: 2502A21149E-RF-00D

Report Date: 2026/3/17

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2502A21149E-RF-00D	Original Report	2026/3/17

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	Cash Register
EUT Model:	C9D
Operation Frequency:	5150-5250MHz: 5180-5240 MHz (802.11a/n ht20/ac vht20) 5190-5230 MHz (802.11n ht40/ac vht40) 5210 MHz (802.11ac vht80) 5250-5350MHz: 5260-5320 MHz (802.11a/n ht20/ac vht20) 5270-5310 MHz (802.11n ht40/ac vht40) 5290 MHz (802.11ac vht80) 5470-5725MHz: 5500-5720 MHz (802.11a/n ht20/ac vht20) 5510-5720 MHz (802.11n ht40/ac vht40) 5530-5690MHz (802.11ac vht80)
Maximum Average Conducted Output Power:	12.31dBm(5150-5250MHz)
	13.21dBm(5250-5350MHz)
	11.55dBm(5470-5725MHz)
Modulation Type:	802.11a/n/ac: OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM
Rated Input Voltage:	DC 12V from Adapter
Serial Number:	For AC Line Conducted Emissions test:3DWL-1 For Radiated Spurious Emission and RF Conducted tests: 3DWL-2
EUT Received Date:	2026/1/21
EUT Received Status:	Good

1.2 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
Adapter	FOSHAN SHUNDE GUANYUDA POWER SUPPLY CO.,LTD	GMB36-120300-F	Input:100-240Vac,50/60Hz,1.5A Output:12Vdc,3A,36W

1.3 Antenna Information Detail ▲

Antenna Type	input impedance (Ohm)	Frequency Range (MHz)	Antenna Gain (dBi)
FPC	50	5150-5250	5.4
		5250-5350	5.4
		5470-5725	5.3
The design of compliance with §15.203:			
☒ Unit uses a permanently attached antenna.			
☐ Unit uses a unique coupling to the intentional radiator.			
☐ Unit was professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.			

1.4 Equipment Modifications

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

2. SUMMARY OF TEST RESULTS

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

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	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	52	5260	100	5500
40	5200	56	5280	104	5520
44	5220	60	5300	108	5540
48	5240	64	5320	112	5560
/	/	/	/	116	5580
/	/	/	/	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	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	54	5270	102	5510
46	5230	62	5310	110	5550
/	/	/	/	118	5590
/	/	/	/	126	5630
/	/	/	/	134	5670
/	/	/	/	142*	5710

For 802.11ac vht80:

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

Note 1: Additional channels cross the band 5470-5725MHz and 5725-5850 MHz, Conducted output power/ Power Spectral Density/bandwidth test with the additional channel to compliance with stricter limit of the two bands(5470-5725MHz more stricter).

Note 2: The above frequencies in bold were performed the test.

Note 3: For AC line conducted emissions, the maximum output power channel was tested.

Note 4: For Radiated Spurious Emissions 9kHz~1GHz and 18~40GHz, the maximum output power channel was tested.

3.2 EUT Operation Condition

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

EUT Exercise Software:		QRCT3		
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	12
	Middle	5200	6Mbps	12
	Highest	5240	6Mbps	12
802.11 ac vht20	Lowest	5180	MCS0	12
	Middle	5200	MCS0	12
	Highest	5240	MCS0	12
802.11 ac vht40	Lowest	5190	MCS0	10
	Highest	5230	MCS0	10
802.11ac vht80	Middle	5210	MCS0	10
5250-5350 MHz Band:				
Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5260	6Mbps	12
	Middle	5280	6Mbps	12
	Highest	5320	6Mbps	12
802.11 ac vht20	Lowest	5260	MCS0	12
	Middle	5280	MCS0	12
	Highest	5320	MCS0	12
802.11 ac vht40	Lowest	5270	MCS0	12
	Highest	5310	MCS0	12
802.11ac vht80	Middle	5290	MCS0	12

5470-5725 MHz Band:

Test Modes	Test Channels	Test Frequency (MHz)	Data rate	Power Level Setting
802.11a	Lowest	5500	6Mbps	12
	Middle	5600	6Mbps	12
	Highest	5700	6Mbps	12
	Cross	5720	6Mbps	12
802.11 ac vht20	Lowest	5500	MCS0	12
	Middle	5600	MCS0	12
	Highest	5700	MCS0	12
	Cross	5720	MCS0	12
802.11 ac vht40	Lowest	5510	MCS0	12
	Highest	5590	MCS0	12
	Lowest	5670	MCS0	12
	Cross	5710	MCS0	12
802.11ac vht80	Lowest	5530	MCS0	12
	Middle	5610	MCS0	12
	Highest	5690	MCS0	12

Note:

- 1.The system support 802.11a/n ht20/n ht40/ac vht20/vht40/vht80, the 802.11n ht20 and ht40 were reduced since the identical parameters with 802.11 ac vht20 and ac vht40.
- 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

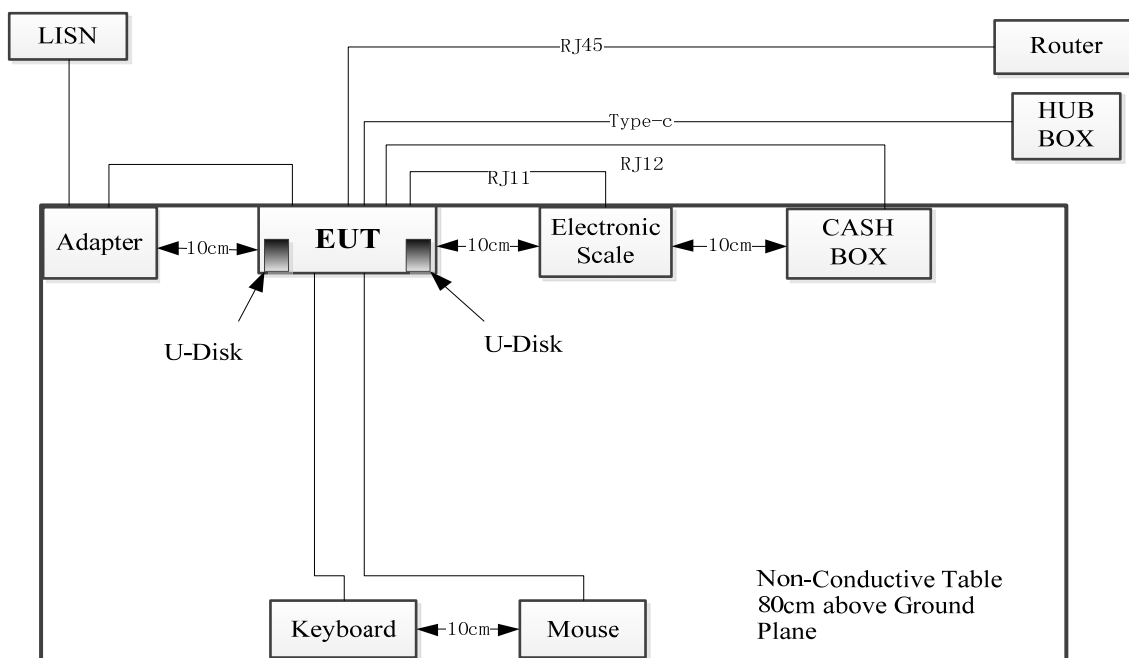
Manufacturer	Description	Model	Serial Number
PHILIPS	Mouse	SPK7214	M214BQ210411115
PHILIPS	Keyboard	SPK6234	K234210510743
SANDisk	USB Flash Disk	16G	BL201026115 B
SANDisk	USB Flash Disk	16G	BL201026331
ingenico	NFC Card	EINOLDA	EMZBNC21103001
Newland	Cash Box	N9	EMZBMB21103001N
Unknown	Electronic Scale	Unknown	3DWL-5
Unknown	Hub Box	Unknown	3DWL-4
D-Link	Router	DGS-1100-08PD	S01Z1H000012

3.4 Support Cable List and Details

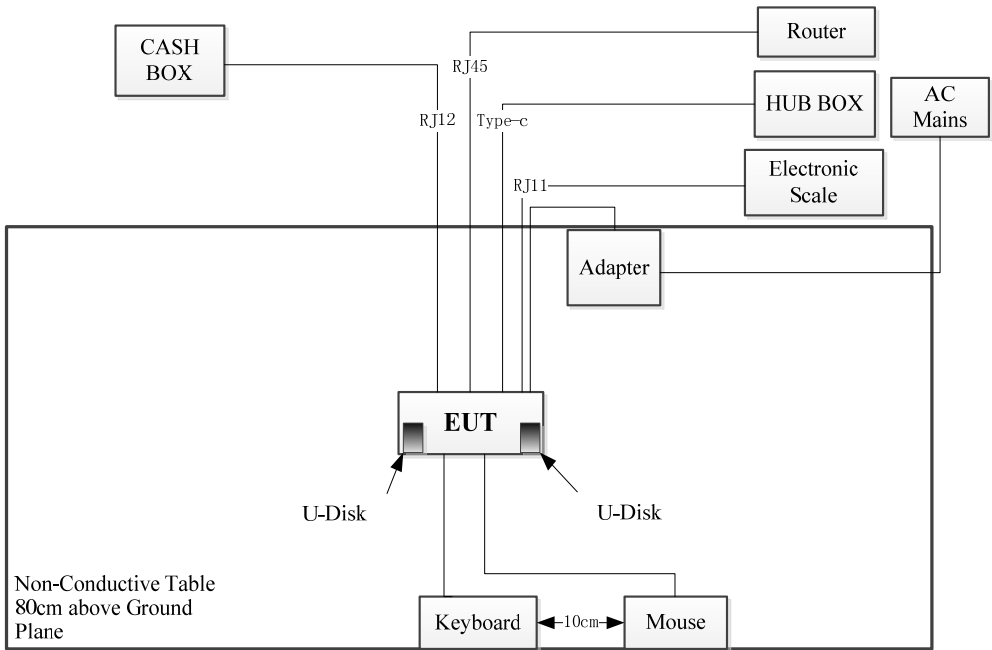
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
DC Cable	no	no	1.5	Adapter	EUT
Keyboard Cable	no	no	1.0	Keyboard	EUT
Mouse Cable	no	no	1.0	Mouse	EUT
RJ45 Cable	no	no	1.5	Router	EUT
RJ11 Cable	no	no	1.0	Electronic Scale	EUT
Type-c Cable	no	no	1.5	Hub Box	EUT
RJ12 Cable	no	no	1.0	Cash Box	EUT

3.5 Block Diagram of Test Setup

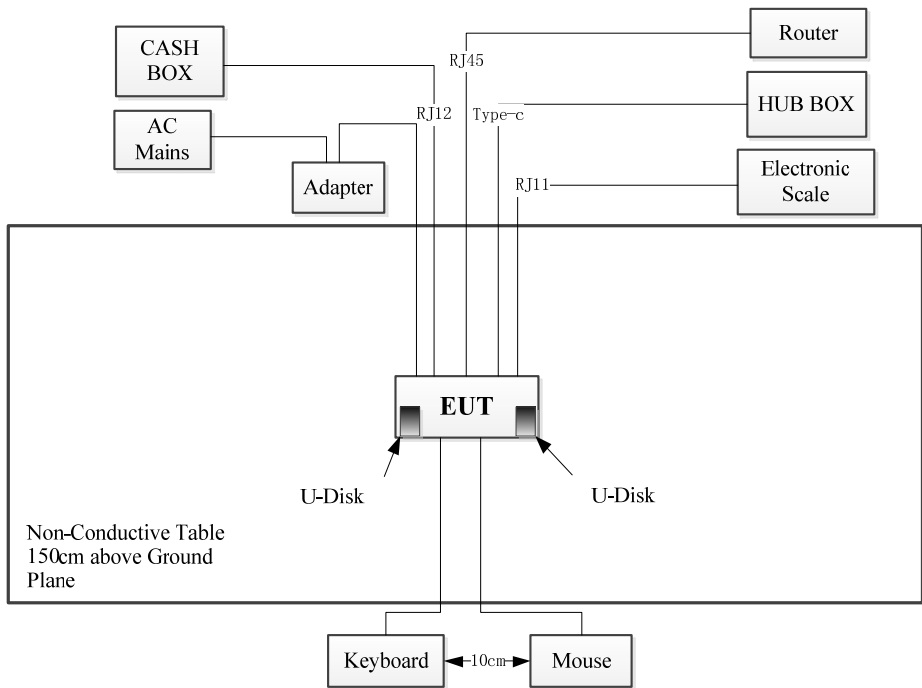
AC line conducted emissions:



Spurious Emissions:
Below 1GHz:



Above 1GHz:



3.6 Test Facility

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

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

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

3.7 Measurement Uncertainty

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

Parameter	Measurement Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±0.55 dB
Power Spectral Density, conducted	±0.55 dB
Unwanted Emissions, radiated	9kHz~30MHz: 3.06dB, 30MHz~1GHz: 6.13 dB, 1GHz~6GHz: 4.79 dB, 6GHz~18GHz: 4.63 dB, 18GHz~26.5GHz: 4.79 dB, 26.5GHz~40GHz: 4.63 dB
Unwanted Emissions, conducted	±2.47 dB
Temperature	±1 °C
Humidity	±5%
DC and low frequency voltages	±0.4%
Duty Cycle	1%
AC Power Lines Conducted Emission	2.83 dB (150 kHz to 30 MHz)

4. REQUIREMENTS AND TEST PROCEDURES

4.1 AC Line Conducted Emissions

4.1.1 Applicable Standard

FCC§15.207(a).

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

Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

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

*Decreases with the logarithm of the frequency.

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

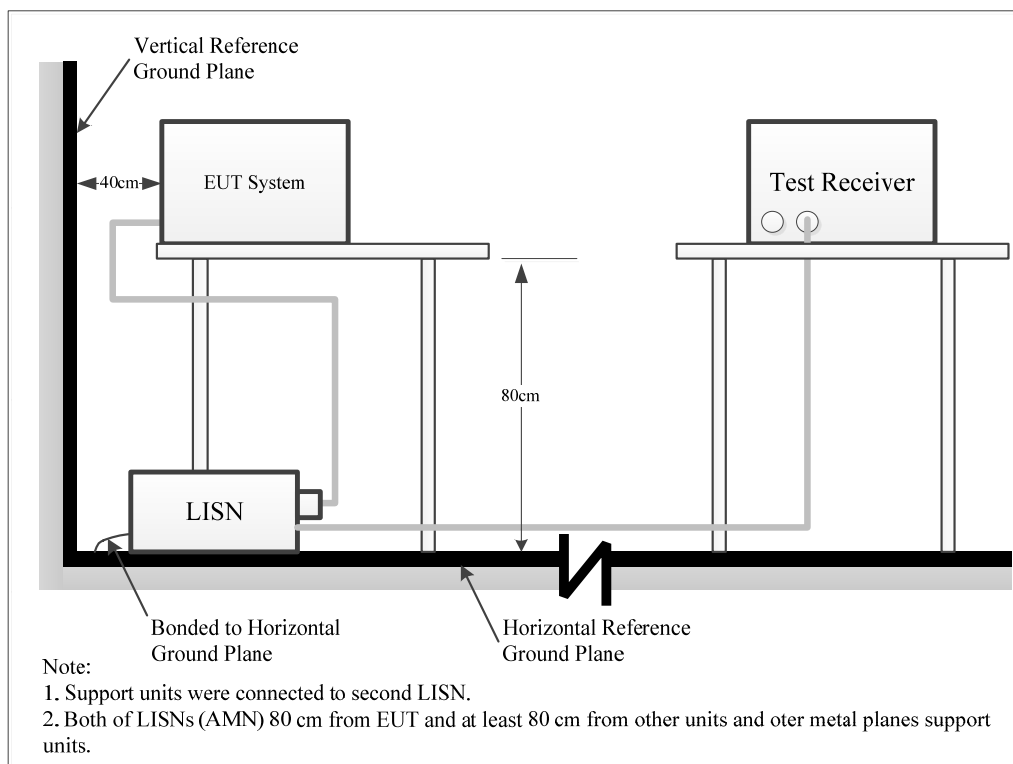
(1) For carrier current system containing their fundamental emission within the frequency band 535-1705 kHz and intended to be received using a standard AM broadcast receiver: no limit on conducted emissions.

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

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

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

4.1.2 EUT Setup



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

The spacing between the peripherals was 10 cm.

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

4.1.3 EMI Test Receiver Setup

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

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

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

4.1.4 Test Procedure

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

4.1.5 Corrected Amplitude & Margin Calculation

The basic equation is as follows:

Result = Reading + Factor

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

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

Margin = Limit – Result

4.1.6 Test Result

Please refer to section 5.1.

4.2 Radiation Spurious Emissions

4.2.1 Applicable Standard

FCC §15.407 (b);

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

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating solely in the 5.725-5.850 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in § 15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

(8) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(9) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in § 15.207.

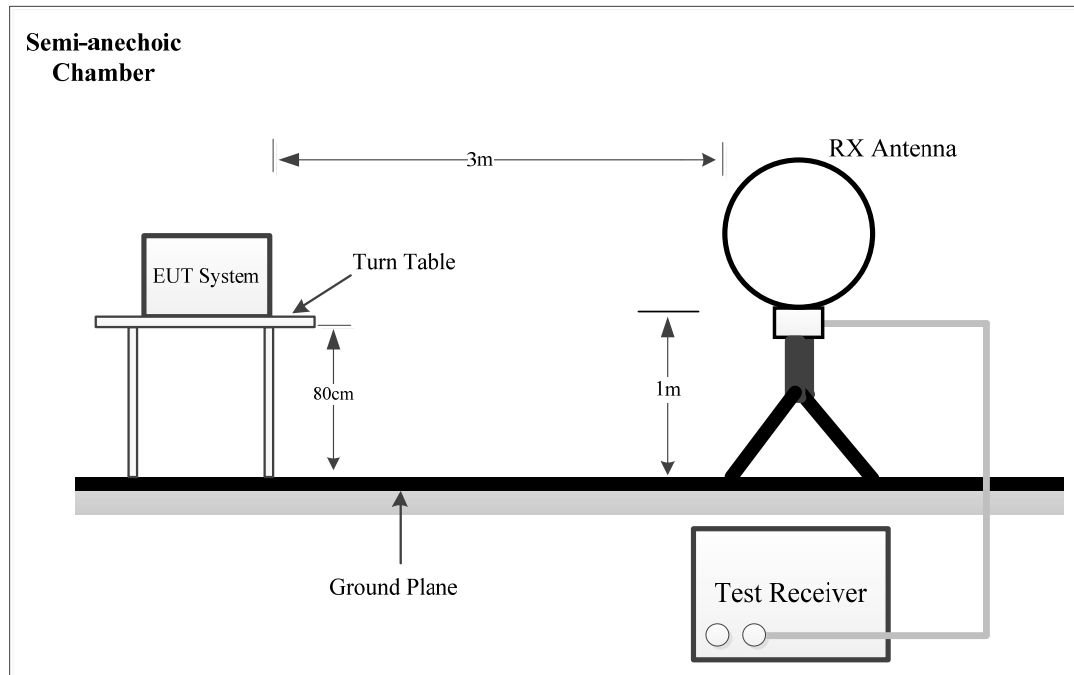
(10) The provisions of § 15.205 apply to intentional radiators operating under this section.

(11) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

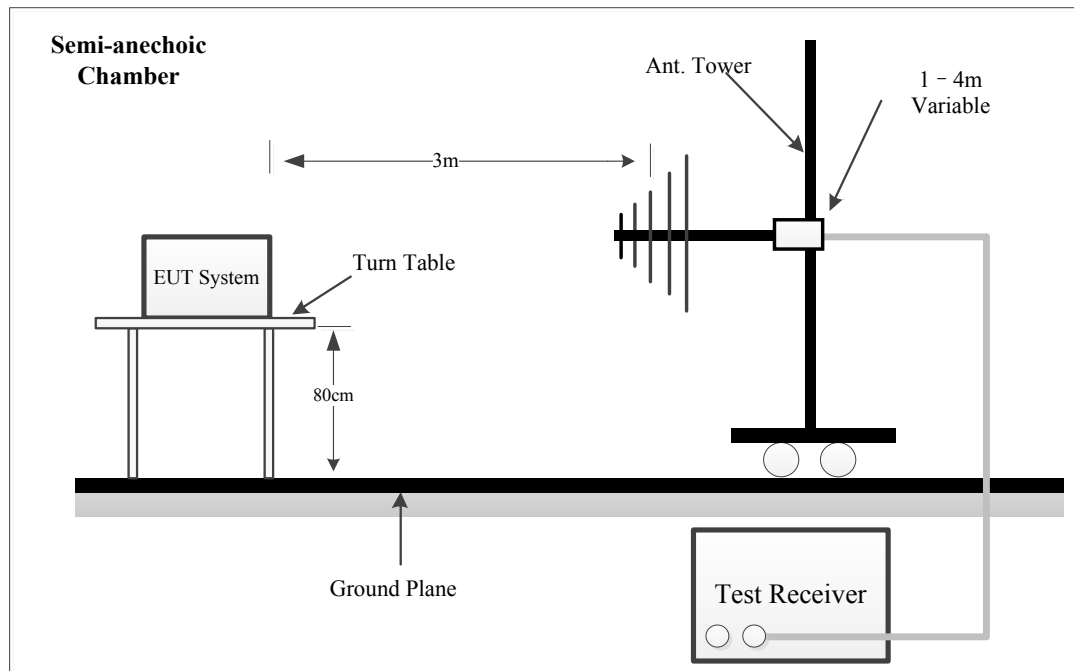
(c) The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies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

4.2.2 EUT Setup

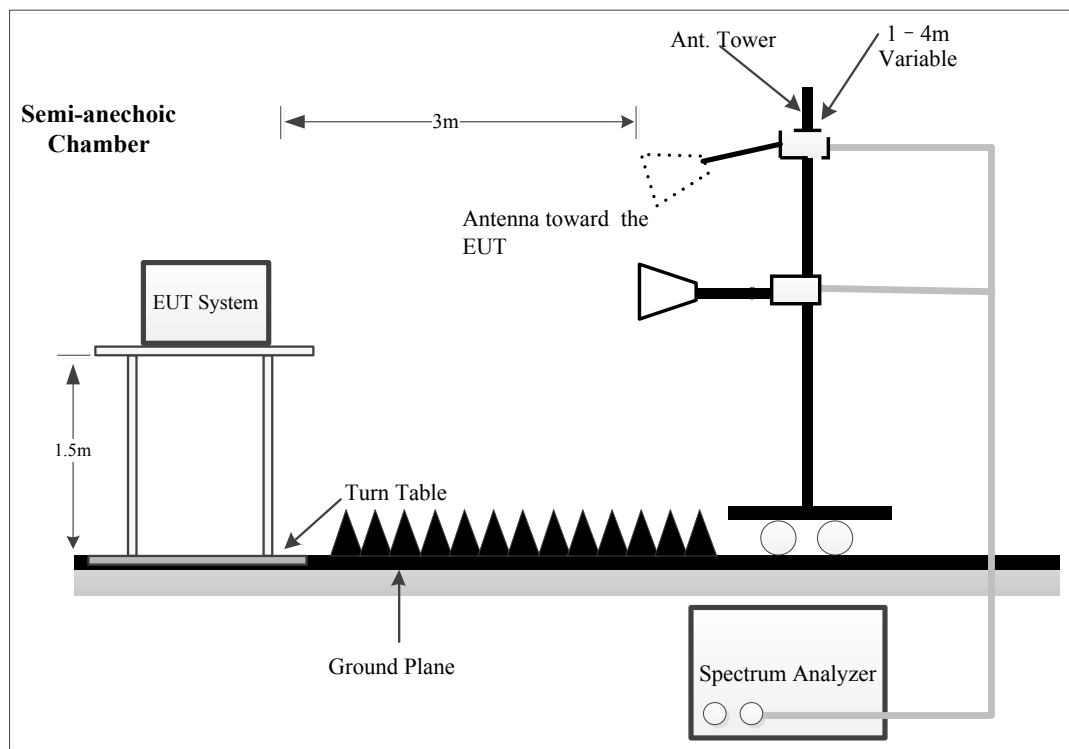
9kHz~30MHz:



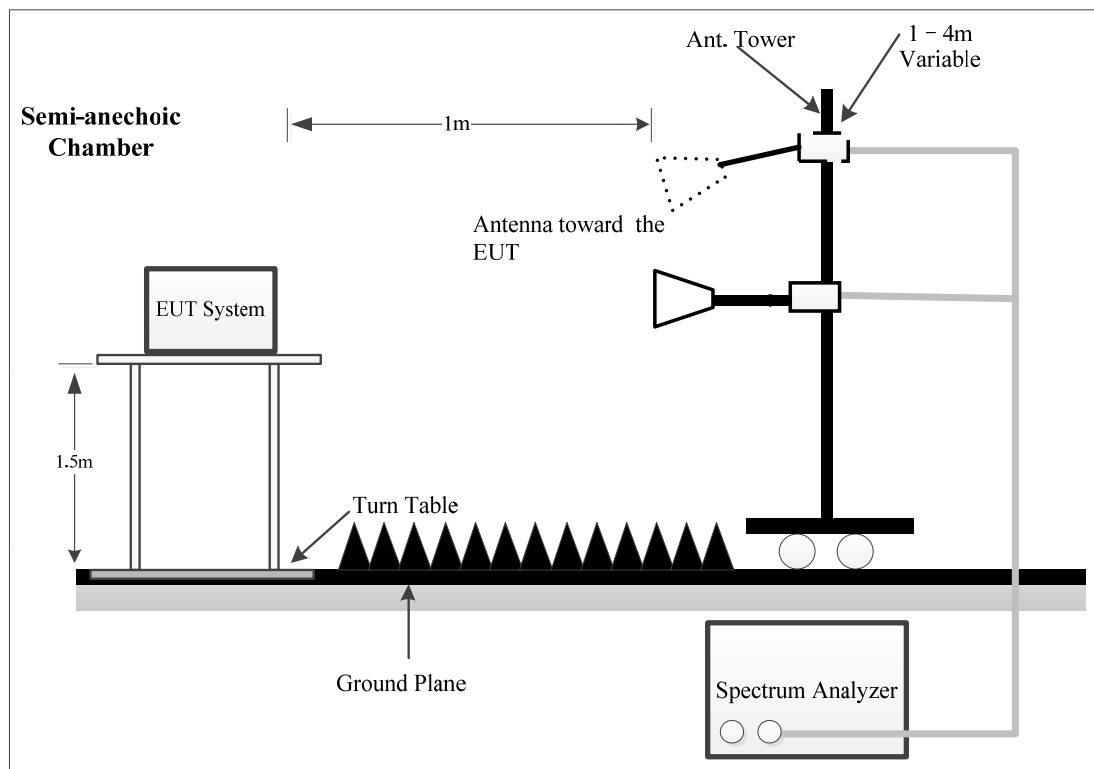
30MHz~1GHz:



1-18GHz:



18-40GHz:



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

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

4.2.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 9 kHz to 40 GHz.

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

9kHz-1000MHz:

Frequency Range	Measurement	RBW	Video B/W	IF B/W	Detector
9 kHz – 150 kHz	QP/AV	200 Hz	1 kHz	200 Hz	QP/AV
150 kHz – 30 MHz	QP/AV	9 kHz	30 kHz	9 kHz	QP/AV
30MHz – 1000 MHz	PK	120 kHz	500 kHz	/	PK
	QP	/	/	120kHz	QP

1GHz- 40GHz:

Pre-scan:

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

Final measurement for emission identified during the pre-scan:

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

Note: T is minimum transmission duration

4.2.4 Test Procedure

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

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

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

For Radiated 18-40GHz test, which was performed at 1.0 m distance, according to C63.10, the test result shall be extrapolated to the specified distance using an extrapolation Factor of 20dB/decade from 3m to 1.0m
Distance extrapolation Factor = $20 \log (\text{specific distance } [3m]/\text{test distance } [1.0m])$ dB= 9.54 dB

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

4.2.5 Corrected Result & Margin Calculation

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

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

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

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

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

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

Factor = Antenna Factor + Cable Loss- Amplifier Gain

For Radiated 18-40GHz test:

Factor = Antenna Factor + Cable Loss- Distance extrapolation Factor

Result = Reading + Factor

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

Margin = Limit – Result

4.2.6 Test Result

Please refer to section 5.2.

4.3 Emission Bandwidth

4.3.1 Applicable Standard

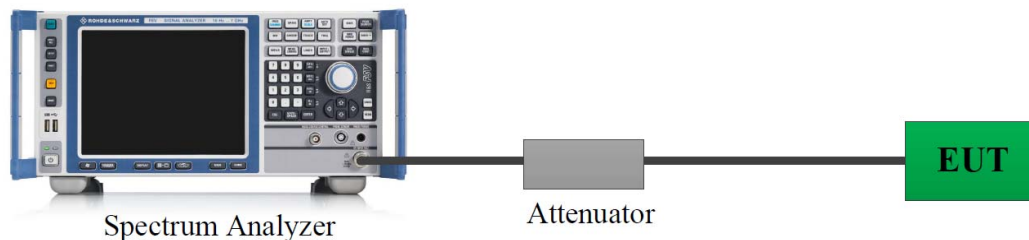
FCC §15.407 (a),(h)

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

FCC §15.407 (e)

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

4.3.2 EUT Setup



4.3.3 Test Procedure

26dB Emission Bandwidth:

According to ANSI C63.10-2020 Section 12.5.2

- Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the instrument. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.

99% Occupied Bandwidth:

According to ANSI C63.10-2020 Section 12.5.3&6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission. The following procedure shall be used for measuring 99% power bandwidth:

- The instrument center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be between 1.5 times and 5.0 times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW, and VBW shall be approximately three times the RBW, unless otherwise specified by the applicable requirement.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (\text{OBW}/\text{RBW})]$ below the reference level. Specific guidance is given in 4.1.6.2.

- d) Step a) through step c) might require iteration to adjust within the specified range.
- e) Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- f) Use the 99% power bandwidth function of the instrument (if available) and report the measured bandwidth.
- g) If the instrument does not have a 99% power bandwidth function, then the trace data points are recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5% of the total is reached; that frequency is recorded as the upper frequency. The 99% power bandwidth is the difference between these two frequencies.
- h) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display; the plot axes and the scale units per division shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

4.3.4 Test Result

Please refer to section 5.3 and section 5.4.

4.4 Maximum Conducted Output Power

4.4.1 Applicable Standard

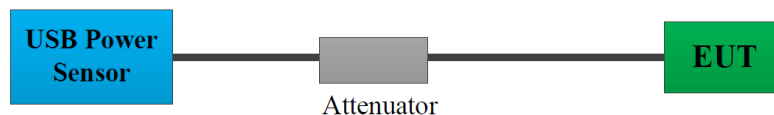
FCC §15.407(a) (1)(iv)

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

FCC §15.407(a) (2)

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

4.4.2 EUT Setup



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

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

4.4.3 Test Procedure

According to ANSI C63.10-2020 Section 12.4.3.2

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

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

4.4.4 Test Result

Please refer to section 5.5.

4.5 Maximum Power Spectral Density

4.5.1 Applicable Standard

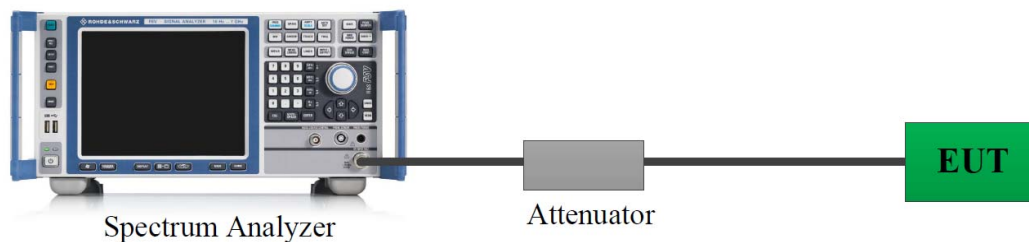
FCC §15.407(a) (1)(iv)

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.

4.5.2 EUT Setup



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

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

4.5.3 Test Procedure

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

Duty cycle $\geq 98\%$

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

Duty cycle $< 98\%$, duty cycle variations are less than $\pm 2\%$

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

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

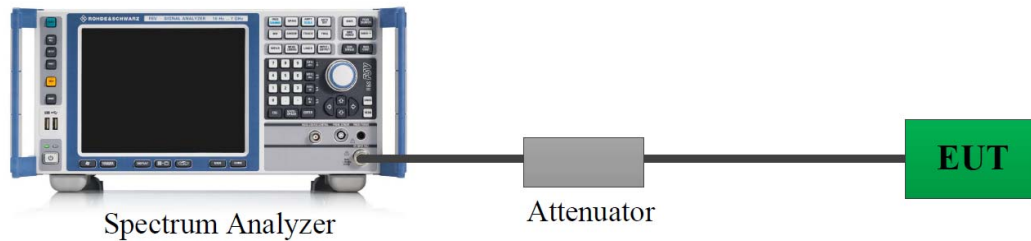
KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-3 should be applied.

4.5.4 Test Result

Please refer to section 5.6.

4.6 Duty Cycle

4.6.1 EUT Setup



4.6.2 Test Procedure

According to ANSI C63.10-2020 Section 12.2

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

- 1) Set the center frequency of the instrument to the center frequency of the transmission.
- 2) Set $RBW \geq OBW$ if possible; otherwise, set RBW to the largest available value.
- 3) Set $VBW \geq RBW$. Set detector = peak or average.
- 4) The zero-span measurement method shall not be used unless both RBW and VBW are $> 50/T$ and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring the duty cycle shall not be used if $T \leq 16.7 \mu s$.)

4.6.3 Judgment

Report Only. Please refer to section 5.7.

4.7 Antenna Requirement

4.7.1 Applicable Standard

FCC §15.203

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

4.7.2 Judgment

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

5. Test DATA AND RESULTS

5.1 AC Line Conducted Emissions

Serial Number:	3DWL-1	Test Date:	2026/02/03
Test Site:	CE	Test Mode:	Transmitting
Tester:	Leesin Xiang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	20.4	Relative Humidity: (%)	44	ATM Pressure: (kPa)	102
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	LISN	ENV216	101614	2025/6/25	2026/6/24
Unknown	Coaxial Cable	RG 142	C-0200-05	2025/5/6	2026/5/5
R&S	EMI Test Receiver	ESCI	100224	2025/6/25	2026/6/24
Audix	Test Software	E3	191218 V9	N/A	N/A

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

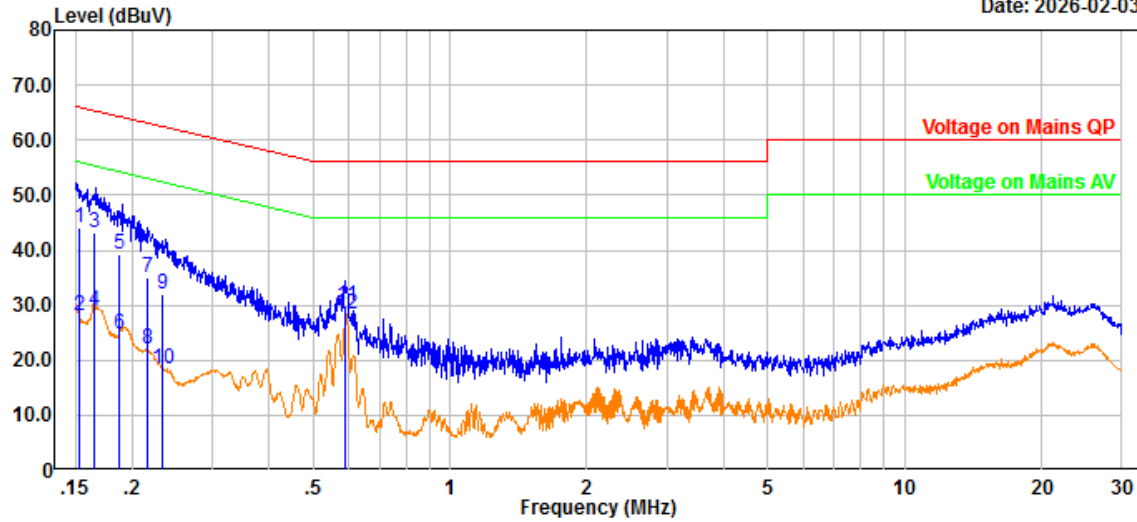
Test Data:

Please refer to the below plots.
Note: 802.11a 5320MHz was tested.

Project No.: 2502A21149E-RF
 Port: Line
 Test Mode: Transmitting
 IF B/W 9kHz PK/AV

Serial No.: 3DWL-1
 Tester: Leesin Xiang
 Note:

Date: 2026-02-03

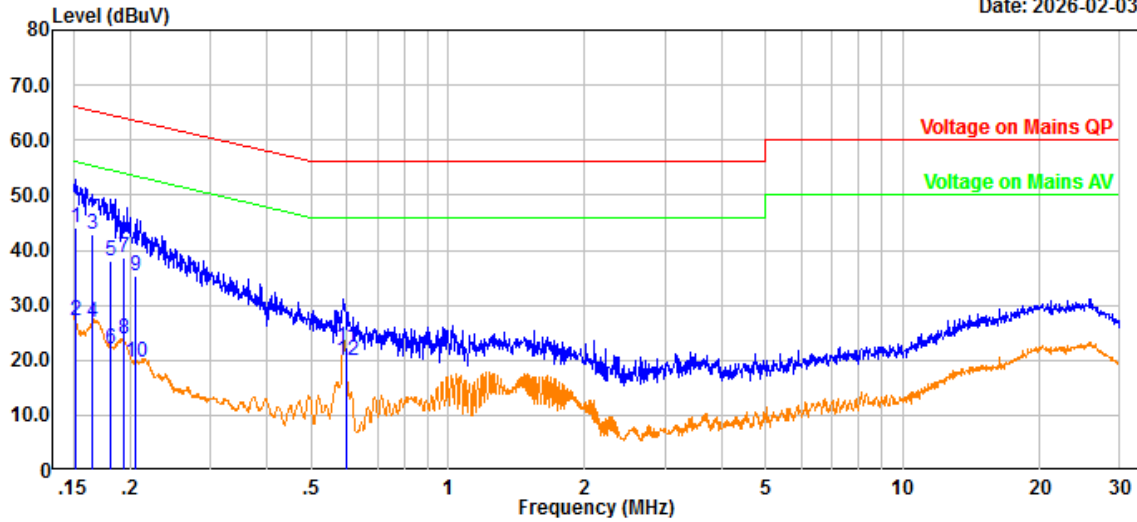


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.152	34.37	9.70	44.07	65.86	21.79	QP
2	0.152	18.44	9.70	28.14	55.86	27.72	Average
3	0.165	33.40	9.73	43.13	65.19	22.06	QP
4	0.165	19.36	9.73	29.09	55.19	26.10	Average
5	0.187	29.33	9.77	39.10	64.18	25.08	QP
6	0.187	14.89	9.77	24.66	54.18	29.52	Average
7	0.217	25.31	9.78	35.09	62.95	27.86	QP
8	0.217	12.20	9.78	21.98	52.95	30.97	Average
9	0.233	22.25	9.76	32.01	62.34	30.33	QP
10	0.233	8.57	9.76	18.33	52.34	34.01	Average
11	0.590	20.57	9.32	29.89	56.00	26.11	QP
12	0.590	19.02	9.32	28.34	46.00	17.66	Average

Project No.: 2502A21149E-RF
 Port: neutral
 Test Mode: Transmitting
 IF B/W 9kHz PK/AV

Serial No.: 3DWL-1
 Tester: Leesin Xiang
 Note:

Date: 2026-02-03



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Measurement
1	0.151	34.76	9.41	44.17	65.93	21.76	QP
2	0.151	17.72	9.41	27.13	55.93	28.80	Average
3	0.165	33.36	9.55	42.91	65.21	22.30	QP
4	0.165	17.38	9.55	26.93	55.21	28.28	Average
5	0.181	28.48	9.71	38.19	64.43	26.24	QP
6	0.181	12.41	9.71	22.12	54.43	32.31	Average
7	0.194	28.76	9.84	38.60	63.88	25.28	QP
8	0.194	13.92	9.84	23.76	53.88	30.12	Average
9	0.205	25.55	9.89	35.44	63.40	27.96	QP
10	0.205	9.87	9.89	19.76	53.40	33.64	Average
11	0.598	13.09	9.37	22.46	56.00	33.54	QP
12	0.598	10.47	9.37	19.84	46.00	26.16	Average

5.2 Radiation Spurious Emissions

1) 9kHz - 1GHz

Serial Number:	3DWL-2	Test Date:	2026/2/2
Test Site:	Chamber A	Test Mode:	Transmitting
Tester:	Lancer Zhang	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	23.8	Relative Humidity: (%)	42	ATM Pressure: (kPa)	101.9

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
EMCO	Passive Loop Antenna	6512	9706-1206	2023/10/25	2026/10/24
Sunol Sciences	Hybrid Antenna	JB3	A060611-2	2024/4/16	2027/4/15
Narda	Coaxial Attenuator	757C-6dB	34010	2024/4/16	2027/4/15
Unknown	Coaxial Cable	C-NJNJ-50	C-0075-01	2025/6/30	2026/7/1
Unknown	Coaxial Cable	C-NJNJ-50	C-0400-01	2025/6/30	2026/7/1
Unknown	Coaxial Cable	C-NJNJ-50	C-1400-01	2025/6/30	2026/7/1
Sonoma	Amplifier	310N	372193	2025/8/15	2026/8/14
R&S	EMI Test Receiver	ESCI	100035	2025/6/25	2026/6/24
Audix	Test Software	E3	191218 V9	N/A	N/A

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

Test Data:

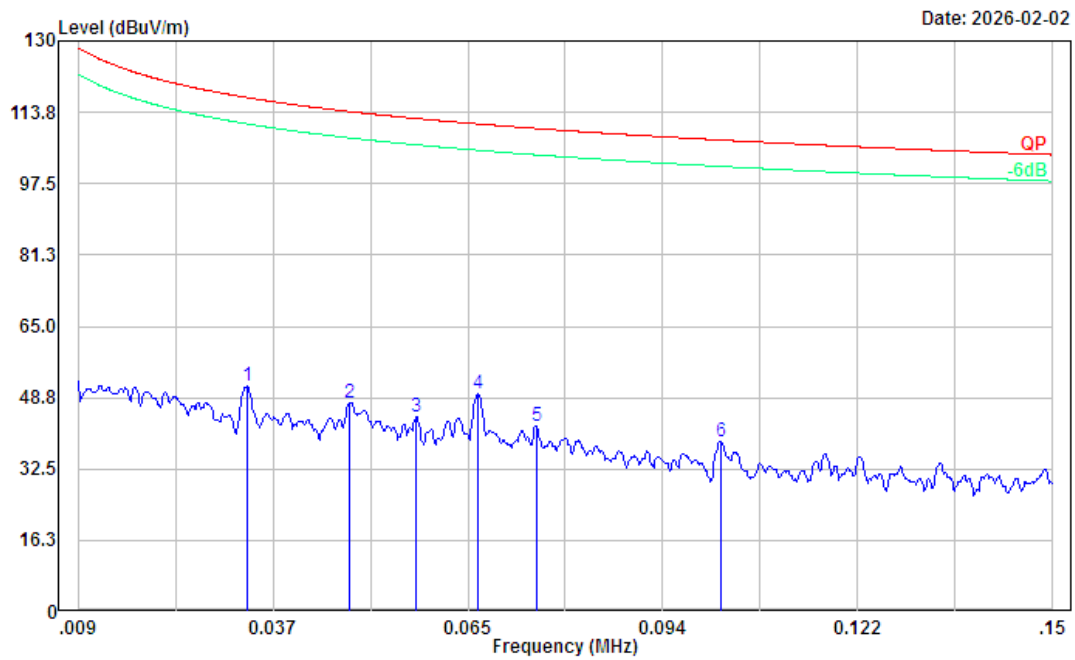
Please refer to the below plots.
Note: 802.11a 5320MHz was tested.

9kHz~30MHz

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

Project No.: 2502A21149E-RF
Polarization: Parallel
Test Mode: Transmitting
Note: WIFI 5G
: RBW:200Hz VBW:1kHz

Serial No.: 3DWL-2
Tester: Lancer Zhang

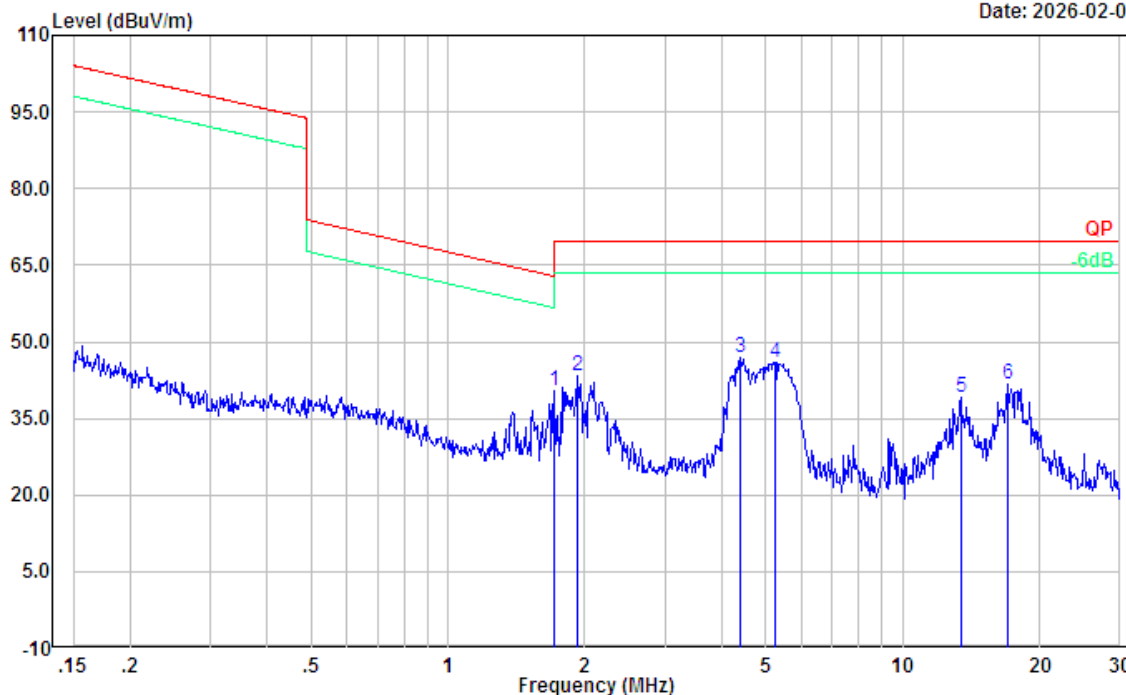


No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	0.034	5.262	46.040	51.302	117.095	65.793	Peak
2	0.048	4.080	43.635	47.715	113.919	66.204	Peak
3	0.058	2.153	42.113	44.266	112.347	68.081	Peak
4	0.067	9.061	40.649	49.710	111.108	61.398	Peak
5	0.075	3.014	39.166	42.180	110.072	67.892	Peak
6	0.102	3.986	34.878	38.864	107.439	68.575	Peak

Project No.: 2502A21149E-RF
Polarization: Parallel
Test Mode: Transmitting
Note: WIFI 5G
: RBW:9kHz VBW:30kHz

Serial No.: 3DWL-2
Tester: Lancer Zhang

Date: 2026-02-02



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	1.707	28.176	12.334	40.510	69.540	29.030	Peak
2	1.928	32.055	11.333	43.388	69.540	26.152	Peak
3	4.407	40.466	6.363	46.829	69.540	22.711	Peak
4	5.249	40.574	5.405	45.979	69.540	23.561	Peak
5	13.408	35.376	3.659	39.035	69.540	30.505	Peak
6	17.018	38.073	3.611	41.684	69.540	27.856	Peak

30MHz-1GHz

Project No.: 2502A21149E-RF

Serial No.: 3DWL-2

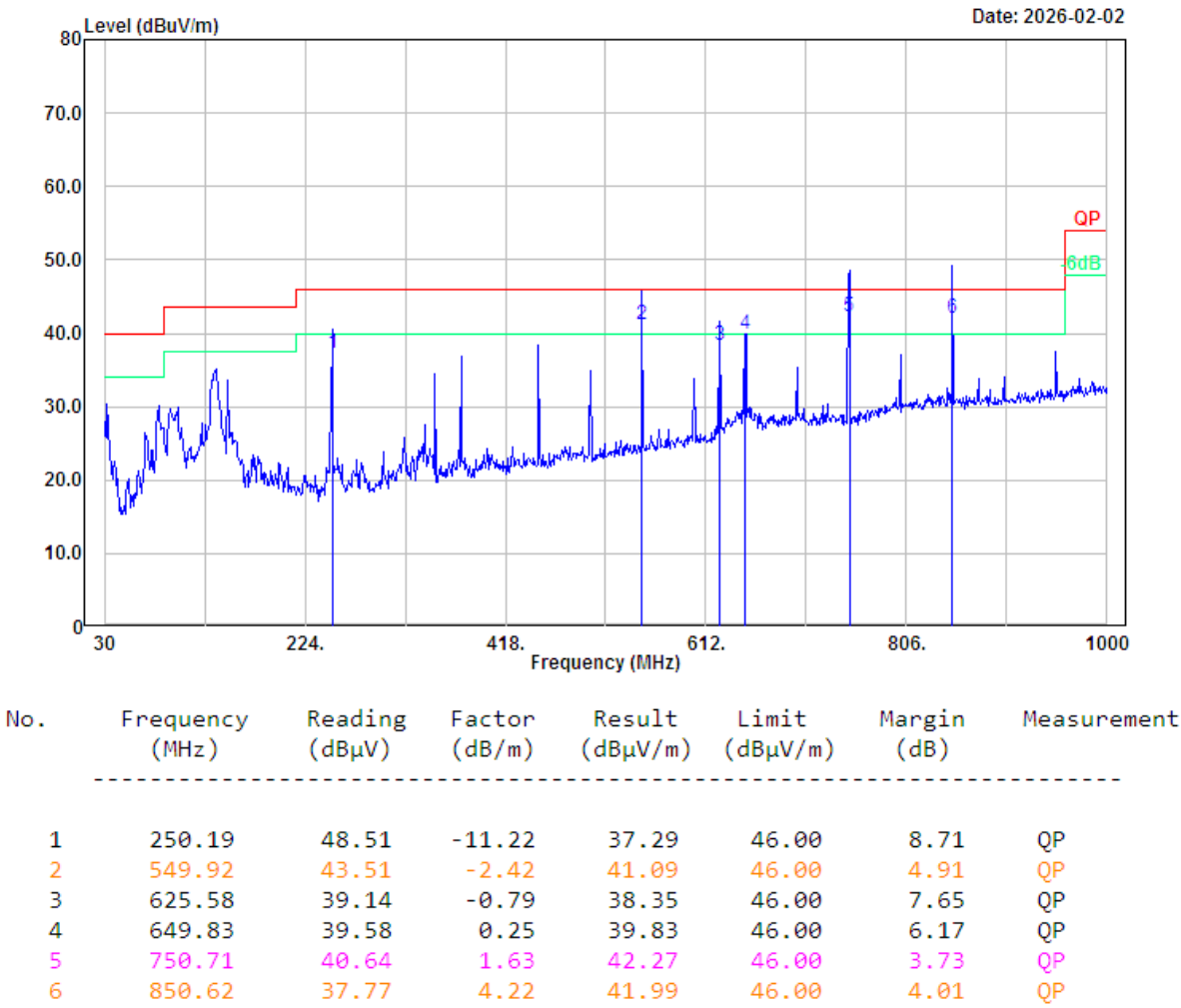
Polarization: Horizontal

Tester: Lancer Zhang

Test Mode: Transmitting

Note: WIFI 5G

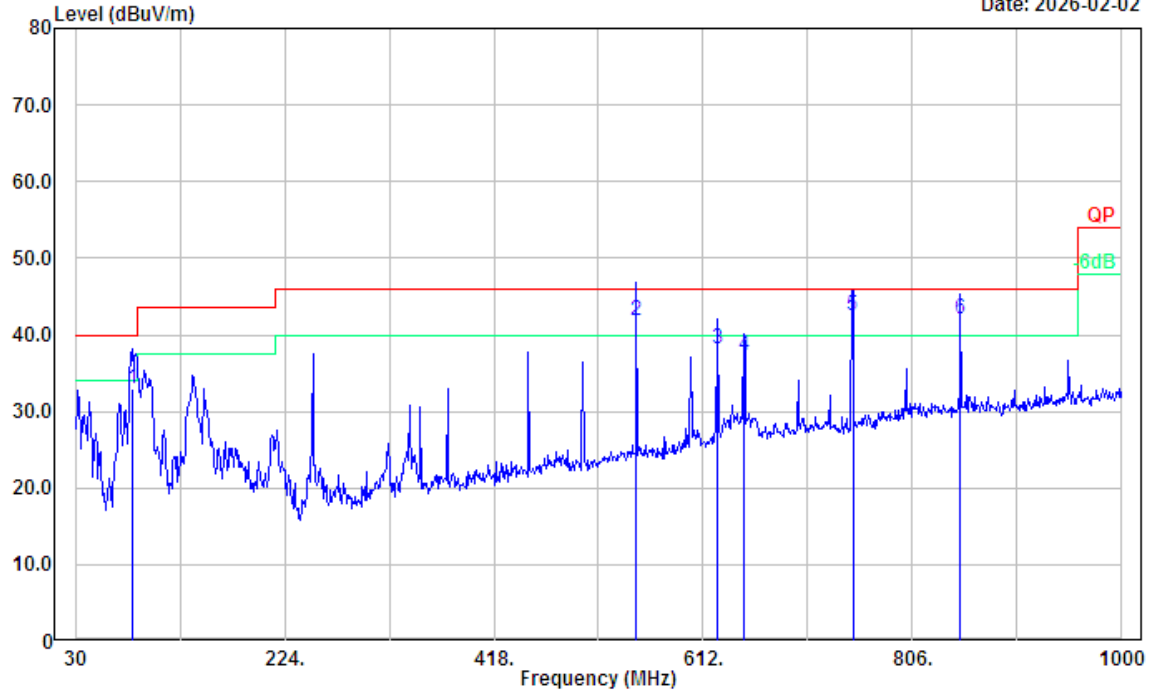
: RBW:120kHz VBW:500kHz



Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: WIFI 5G
: RBW:120kHz VBW:500kHz

Serial No.: 3DWL-2
Tester: Lancer Zhang

Date: 2026-02-02



No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Measurement
1	82.38	49.85	-16.81	33.04	40.00	6.96	QP
2	549.92	44.28	-2.42	41.86	46.00	4.14	QP
3	625.58	38.94	-0.79	38.15	46.00	7.85	QP
4	649.83	36.94	0.25	37.19	46.00	8.81	QP
5	750.71	40.94	1.63	42.57	46.00	3.43	QP
6	850.62	37.88	4.22	42.10	46.00	3.90	QP

2) 1-40GHz:

Serial Number:	3DWL-2	Test Date:	2026/2/5
Test Site:	Chamber B	Test Mode:	Transmitting
Tester:	Leo Xiao, Alan Xie, Willem Qiu	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.5	Relative Humidity: (%)	55	ATM Pressure: (kPa)	101.2
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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	2025/11/17	2026/11/16
Xinhang Macrowave	Coaxial Cable	XH360A-2.92/J-2.92/J-6M-A	20231208001 #0001	2025/11/14	2026/11/13
AH	Preamplifier	PAM-0118P	469	2025/4/11	2026/4/10
AH	Preamplifier	PAM-1840VH	191	2025/9/4	2026/9/3
R&S	Spectrum Analyzer	FSV40	101944	2025/8/8	2026/8/7
Audix	Test Software	E3	191218 V9	N/A	N/A
Decentest	Multiplex Switch Test Control Set & Filter Switch Unit	DT7220SCU & DT7220FCU	DC79902 & DC79905	2025/8/25	2026/8/24

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

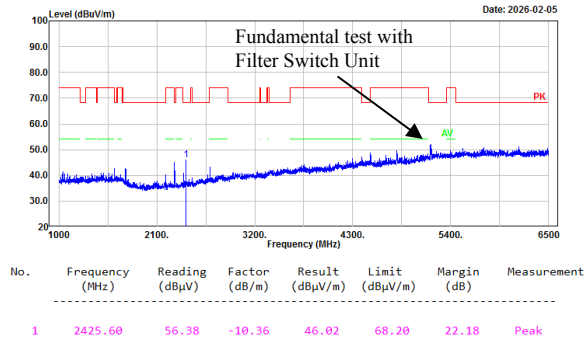
Test Data:

Please refer to the below plots.

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

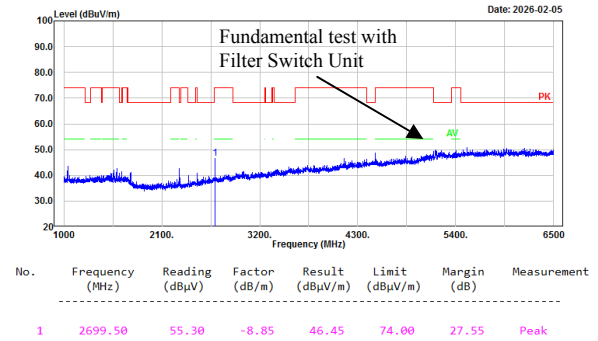
Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DWL-2
Tester: Willem Qiu

**802.11a, Low Channel, 5180MHz, Vertical**

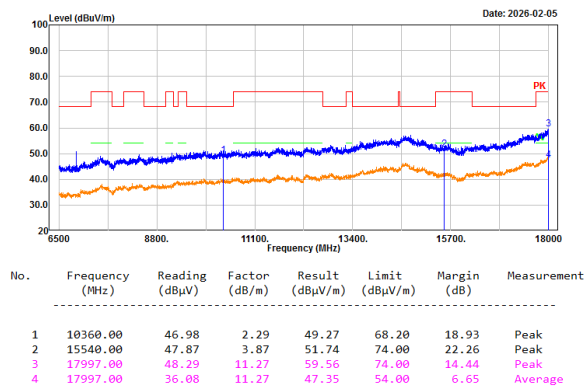
Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DWL-2
Tester: Willem Qiu



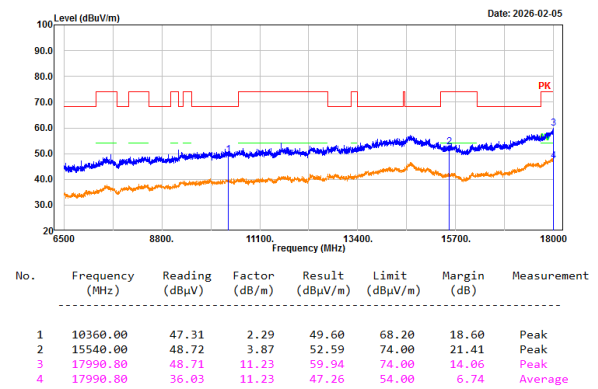
Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

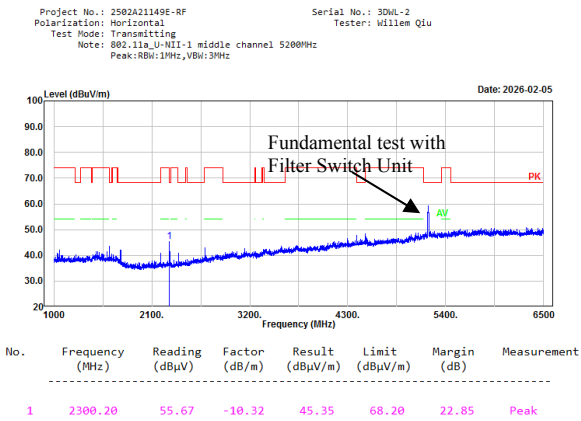


Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

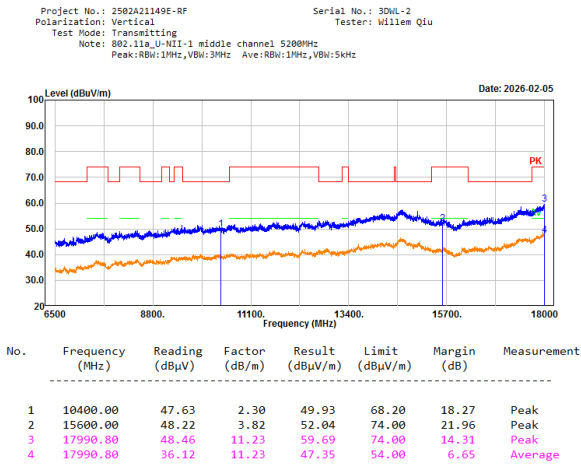
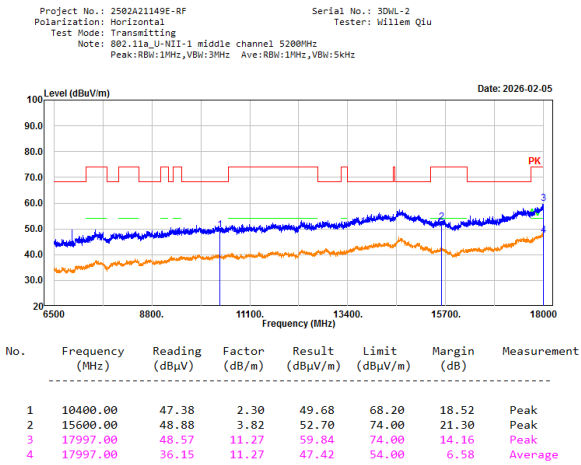
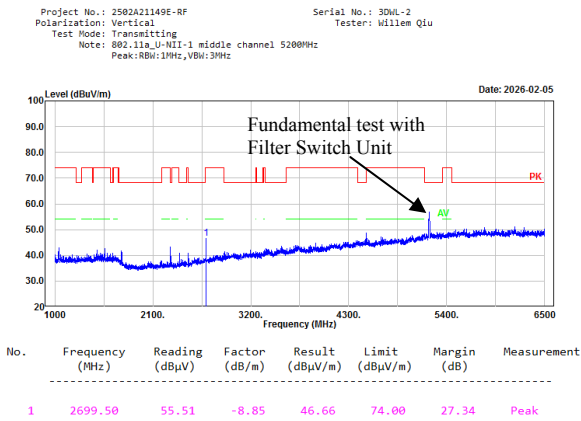
Serial No.: 3DWL-2
Tester: Willem Qiu



802.11a, Middle Channel, 5200MHz, Horizontal



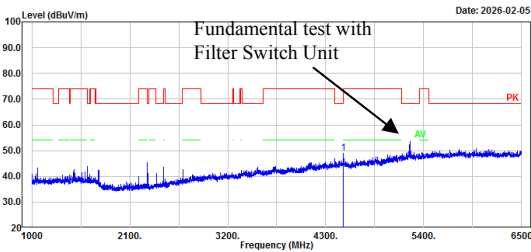
802.11a, Middle Channel, 5200MHz, Vertical



802.11a, High Channel, 5240MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3DNL-2
Tester: Willem Qiu

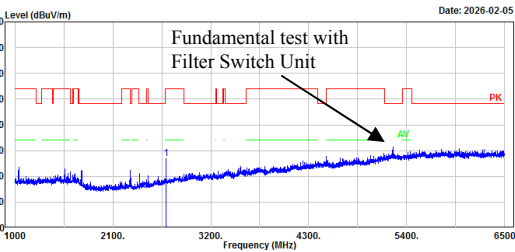


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4500.20	52.71	-3.58	49.13	74.00	24.87	Peak

802.11a, High Channel, 5240MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz

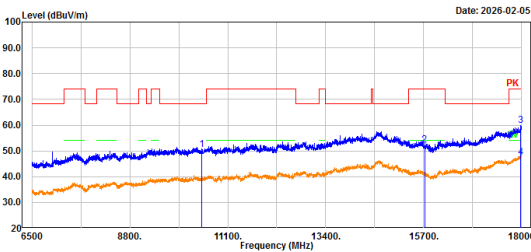
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	55.81	-8.85	46.96	74.00	27.04	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

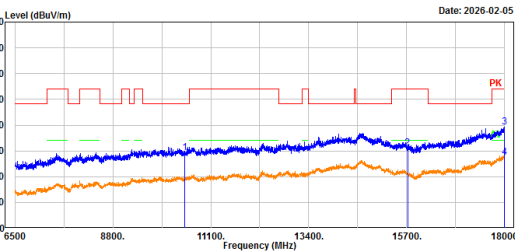
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	48.08	2.33	50.41	68.20	17.79	Peak
2	15720.00	48.86	3.59	52.45	74.00	21.55	Peak
3	17977.00	48.68	11.12	59.80	74.00	14.20	Peak
4	17977.00	36.34	11.12	47.46	54.00	6.54	Average

Project No.: 2502A21149E-RF
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.: 3DNL-2
Tester: Willem Qiu

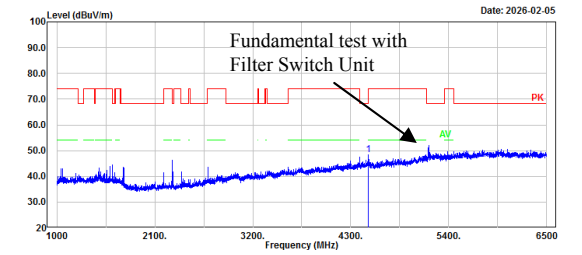


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	47.00	2.33	49.33	68.20	18.87	Peak
2	15720.00	47.55	3.59	51.14	74.00	22.86	Peak
3	17997.70	48.00	11.28	59.28	74.00	14.72	Peak
4	17997.70	36.14	11.28	47.42	54.00	6.58	Average

802.11ac20, Low Channel, 5180MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 low channel 5180MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3DNL-2
Tester: Willem Qiu

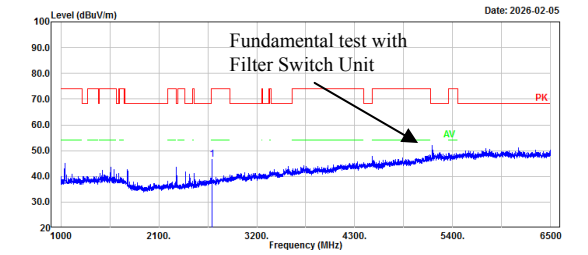


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4500.20	51.84	-3.58	48.26	74.00	25.74	Peak

802.11ac20, Low Channel, 5180MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 low channel 5180MHz
Peak:RBW:1MHz,VBW:3MHz

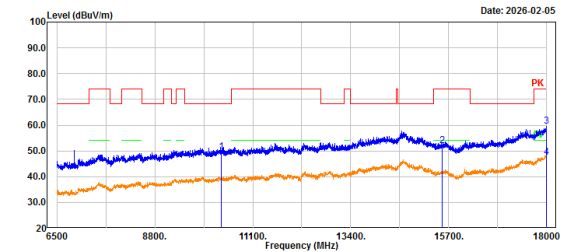
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	55.43	-8.85	46.58	74.00	27.42	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 low channel 5180MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

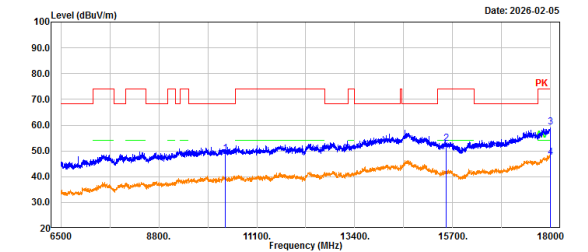
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10360.00	47.16	2.29	49.45	68.20	18.75	Peak
2	15540.00	48.10	3.87	51.97	74.00	22.03	Peak
3	17995.40	48.42	11.26	59.68	74.00	14.32	Peak
4	17995.40	36.32	11.26	47.58	54.00	6.42	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 low channel 5180MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DNL-2
Tester: Willem Qiu

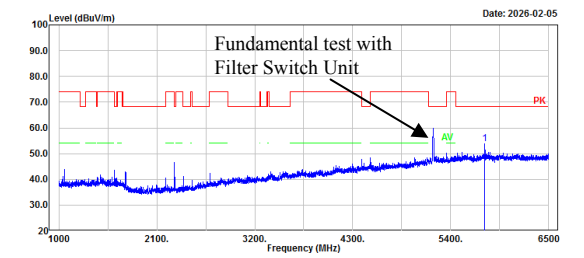


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10360.00	46.76	2.29	49.05	68.20	19.15	Peak
2	15540.00	49.04	3.87	52.91	74.00	21.09	Peak
3	18000.00	47.82	11.29	59.11	74.00	14.89	Peak
4	18000.00	36.14	11.29	47.43	54.00	6.57	Average

802.11ac20, Middle Channel, 5200MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3DWL-2
Tester: Willem Qiu

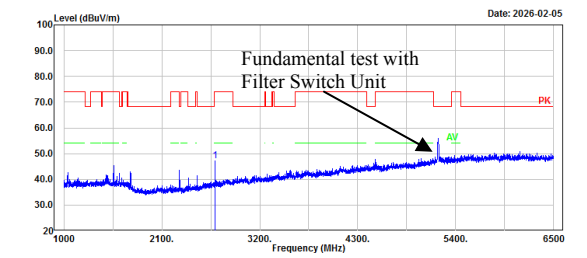


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5783.90	53.43	0.25	53.68	68.20	14.52	Peak

802.11ac20, Middle Channel, 5200MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz

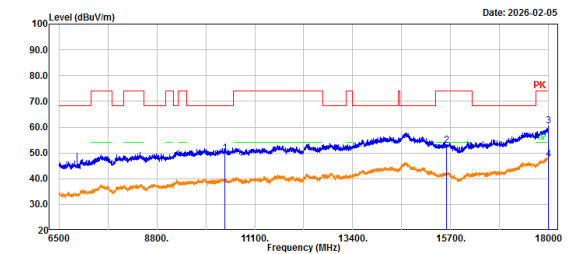
Serial No.: 3DWL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	55.94	-8.85	47.09	74.00	26.91	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

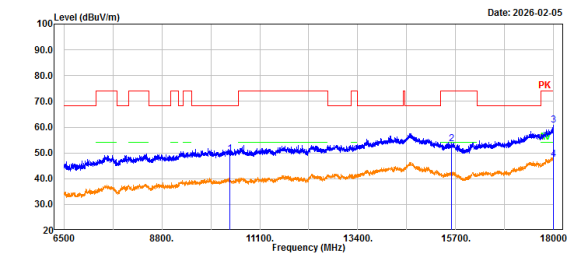
Serial No.: 3DWL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10400.00	47.45	2.30	49.75	68.20	18.45	Peak
2	15600.00	49.00	3.82	52.82	74.00	21.18	Peak
3	17993.10	49.08	11.25	60.33	74.00	13.67	Peak
4	17993.10	36.23	11.25	47.48	54.00	6.52	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 middle channel 5200MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

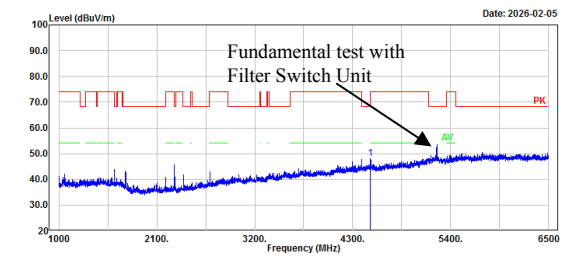


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10400.00	47.31	2.30	49.61	68.20	18.59	Peak
2	15600.00	49.84	3.82	53.66	74.00	20.34	Peak
3	17988.50	49.56	11.21	60.77	74.00	13.23	Peak
4	17988.50	36.33	11.21	47.54	54.00	6.46	Average

802.11ac20, High Channel, 5240MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3DNL-2
Tester: Willem Qiu

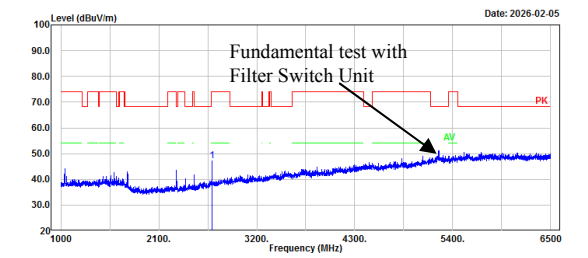


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4500.20	51.76	-3.58	48.18	74.00	25.82	Peak

802.11ac20, High Channel, 5240MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz

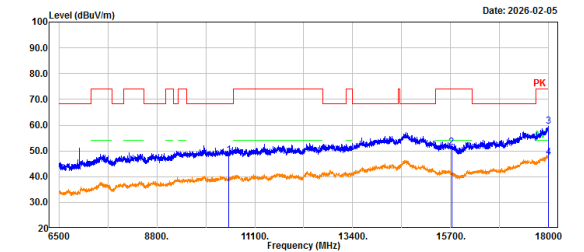
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	56.15	-8.85	47.30	74.00	26.70	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

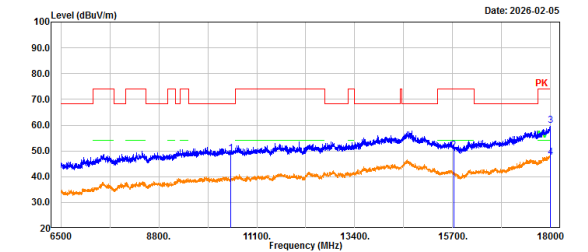
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	45.97	2.33	48.30	68.20	19.90	Peak
2	15720.00	47.91	3.59	51.50	74.00	22.50	Peak
3	17988.50	48.47	11.21	59.68	74.00	14.32	Peak
4	17988.50	36.35	11.21	47.56	54.00	6.44	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 high channel 5240MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DNL-2
Tester: Willem Qiu

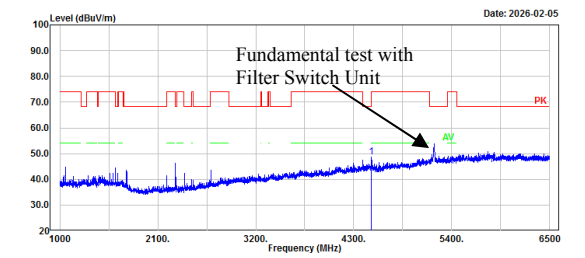


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10480.00	46.66	2.33	48.99	68.20	19.21	Peak
2	15720.00	46.70	3.59	50.29	74.00	23.71	Peak
3	17997.00	48.50	11.27	59.77	74.00	14.23	Peak
4	17997.00	36.25	11.27	47.52	54.00	6.48	Average

802.11ac40, Low Channel, 5190MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 low channel 5190MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 3DNL-2
Tester: Willem Qiu

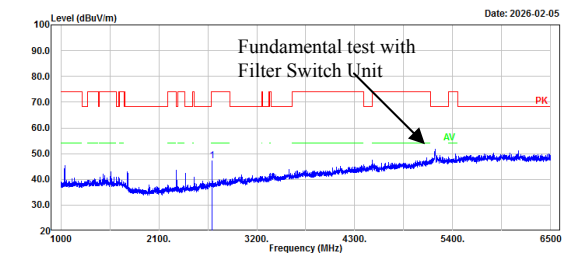


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4500.20	52.19	-3.58	48.61	74.00	25.39	Peak

802.11ac40, Low Channel, 5190MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 low channel 5190MHz
Peak:RBW:1MHz,VBW:3MHz

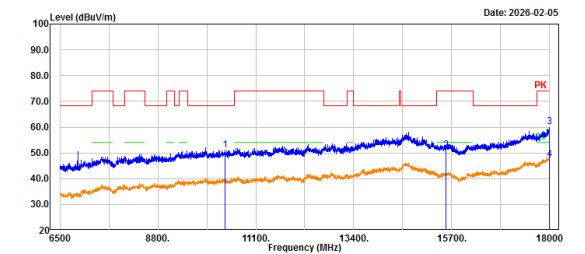
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	55.91	-8.85	47.06	74.00	26.94	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 low channel 5190MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

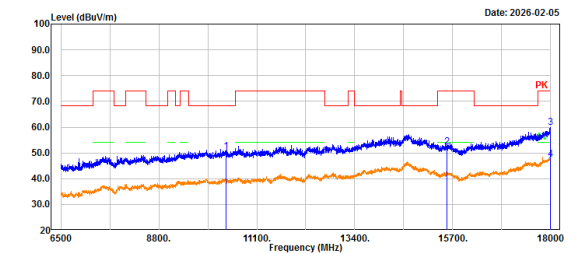
Serial No.: 3DNL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10380.00	48.69	2.27	50.96	68.20	17.24	Peak
2	15570.00	47.28	3.91	51.19	74.00	22.81	Peak
3	17997.00	48.78	11.27	60.05	74.00	13.95	Peak
4	17997.00	36.21	11.27	47.48	54.00	6.52	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 low channel 5190MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DNL-2
Tester: Willem Qiu

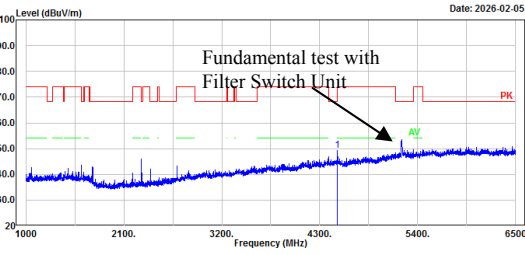


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10380.00	48.35	2.27	50.62	68.20	17.58	Peak
2	15570.00	48.38	3.91	52.29	74.00	21.71	Peak
3	17993.10	48.59	11.25	59.84	74.00	14.16	Peak
4	17993.10	36.22	11.25	47.47	54.00	6.53	Average

802.11ac40, High Channel, 5230MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 high channel 5230MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 30NL-2
Tester: Willem Qiu

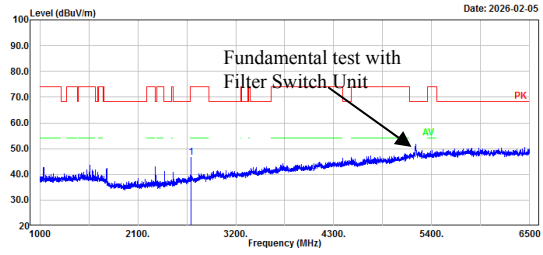


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4500.20	52.83	-3.58	49.25	74.00	24.75	Peak

802.11ac40, High Channel, 5230MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 high channel 5230MHz
Peak:RBW:1MHz,VBW:3MHz

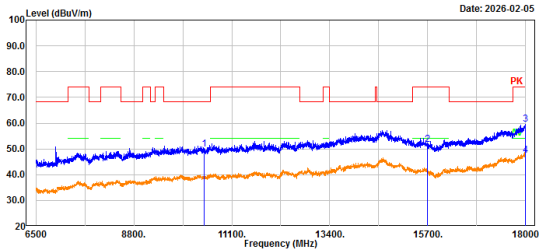
Serial No.: 30NL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	55.55	-8.85	46.70	74.00	27.30	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 high channel 5230MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

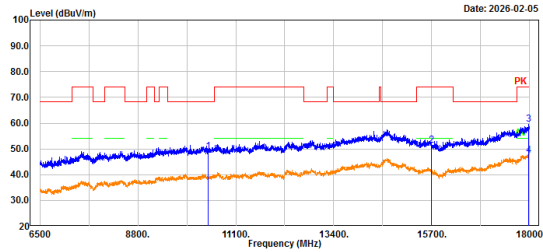
Serial No.: 30NL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	47.63	2.35	49.98	68.20	18.22	Peak
2	15690.00	48.15	3.64	51.79	74.00	22.21	Peak
3	17988.50	48.22	11.21	59.43	74.00	14.57	Peak
4	17988.50	36.25	11.21	47.46	54.00	6.54	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 high channel 5230MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 30NL-2
Tester: Willem Qiu

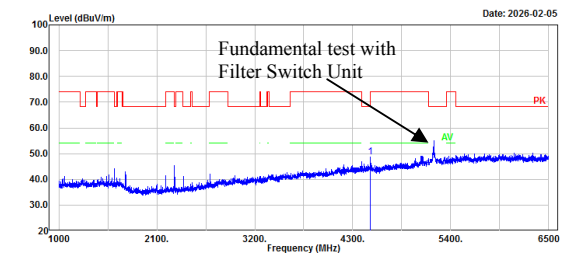


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10460.00	46.61	2.35	48.96	68.20	19.24	Peak
2	15690.00	47.75	3.64	51.39	74.00	22.61	Peak
3	17977.00	48.50	11.12	59.62	74.00	14.38	Peak
4	17977.00	36.31	11.12	47.43	54.00	6.57	Average

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

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 30NL-2
Tester: Willem Qiu

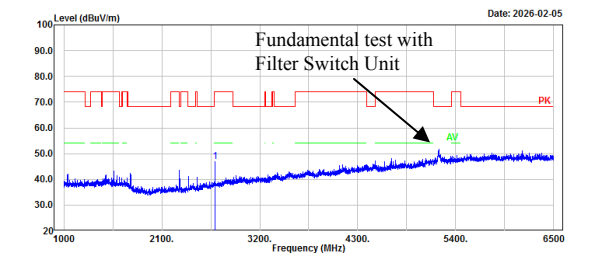


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	4500.20	52.30	-3.58	48.72	74.00	25.28	Peak

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

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz

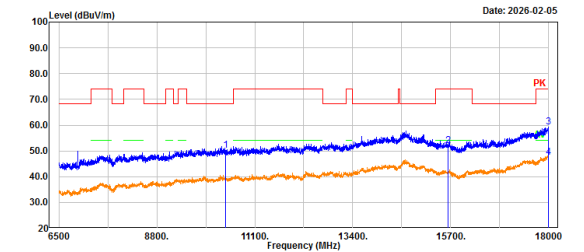
Serial No.: 30NL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	2699.50	55.84	-8.85	46.99	74.00	27.01	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

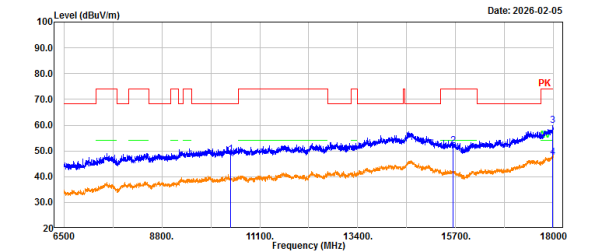
Serial No.: 30NL-2
Tester: Willem Qiu



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	47.75	2.31	50.06	68.20	18.14	Peak
2	15630.00	48.20	3.74	51.94	74.00	22.06	Peak
3	17988.50	47.91	11.21	59.12	74.00	14.88	Peak
4	17988.50	36.26	11.21	47.47	54.00	6.53	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-1 middle channel 5210MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

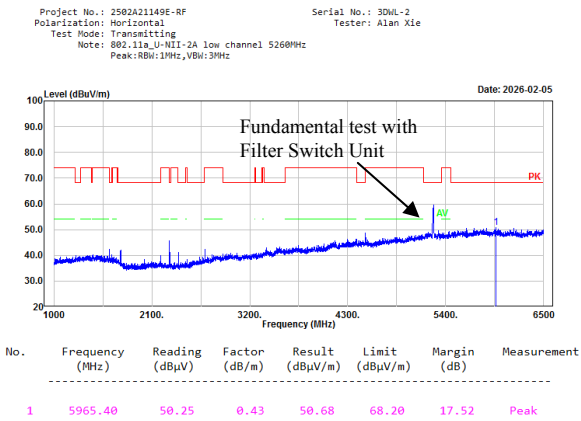
Serial No.: 30NL-2
Tester: Willem Qiu



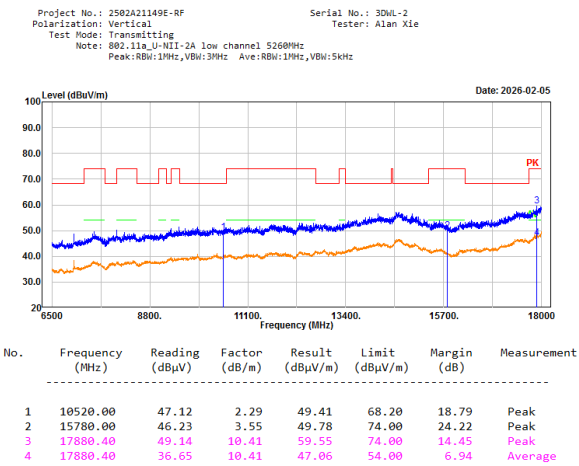
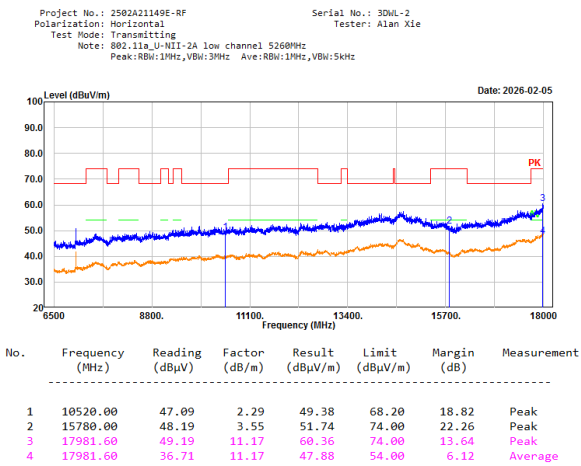
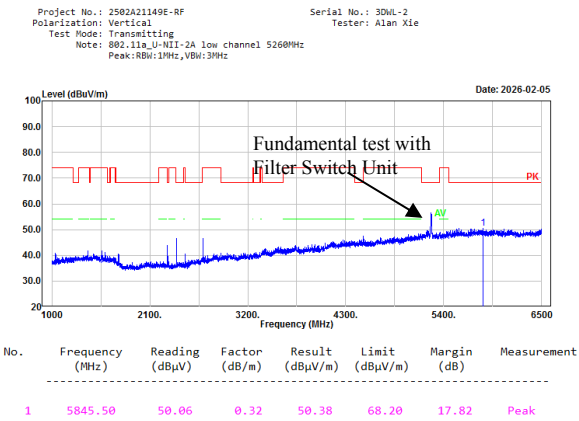
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10420.00	46.48	2.31	48.79	68.20	19.41	Peak
2	15630.00	48.15	3.74	51.89	74.00	22.11	Peak
3	17970.10	48.87	11.07	59.94	74.00	14.06	Peak
4	17970.10	36.42	11.07	47.49	54.00	6.51	Average

5250-5350MHz:

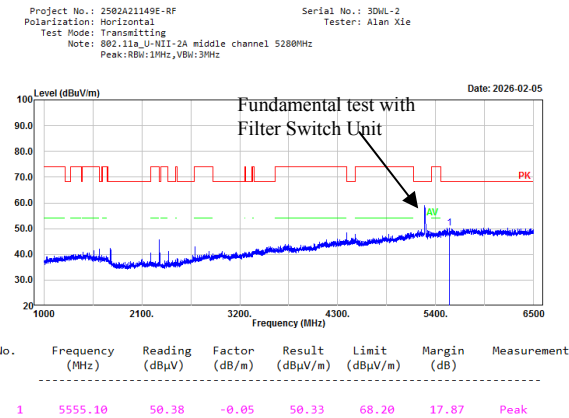
802.11a, Low Channel, 5260MHz, Horizontal



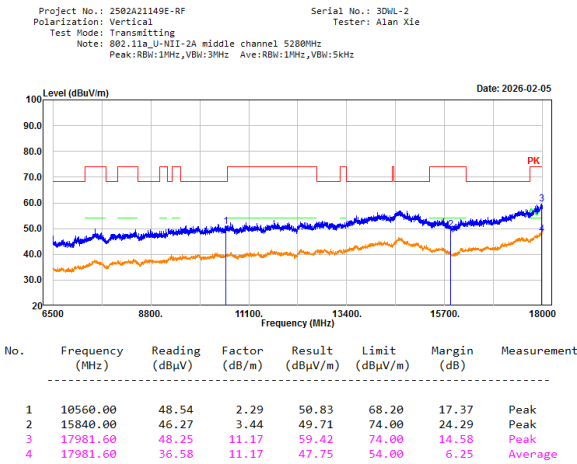
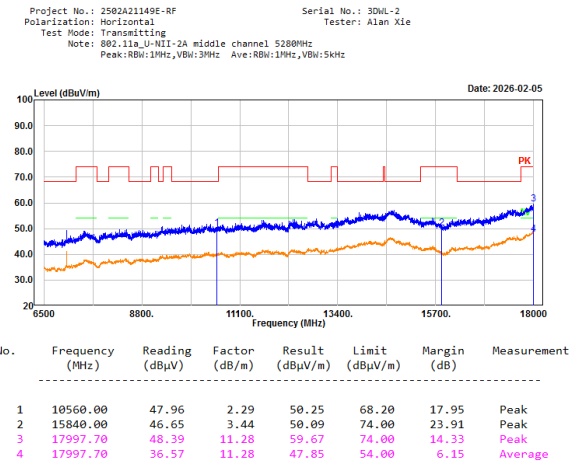
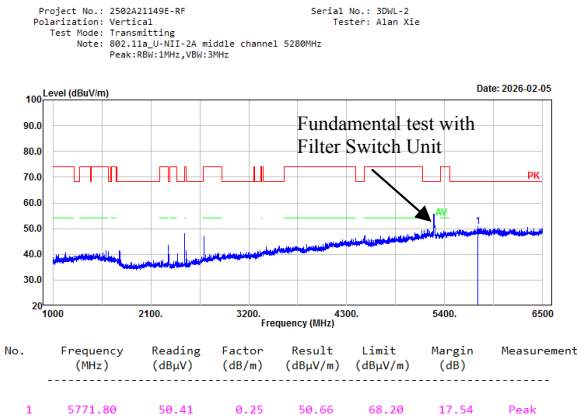
802.11a, Low Channel, 5260MHz, Vertical



802.11a, Middle Channel, 5280MHz, Horizontal



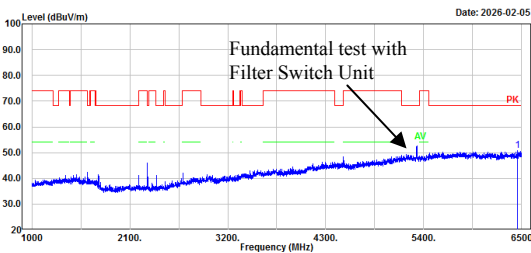
802.11a, Middle Channel, 5280MHz, Vertical



802.11a, High Channel, 5320MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 30ML-2
Tester: Alan Xie

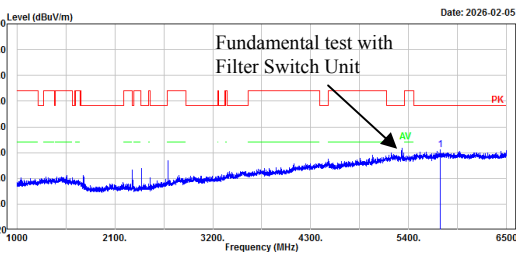


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6454.90	50.47	0.23	50.70	68.20	17.50	Peak

802.11a, High Channel, 5320MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz
Peak:RBW:1MHz,VBW:3MHz

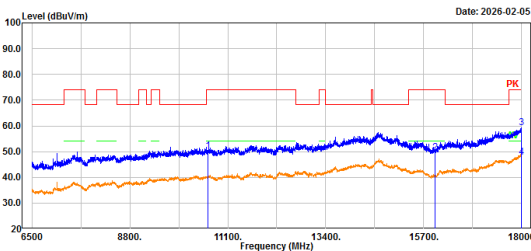
Serial No.: 30ML-2
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5750.90	50.94	0.21	51.15	68.20	17.05	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

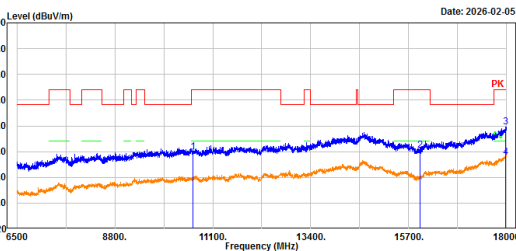
Serial No.: 30ML-2
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	47.78	2.48	50.26	74.00	23.74	Peak
2	15960.00	45.96	3.54	49.50	74.00	24.50	Peak
3	17990.80	48.06	11.23	59.29	74.00	14.71	Peak
4	17990.80	36.52	11.23	47.75	54.00	6.25	Average

Project No.: 2502A21149E-RF
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.: 30ML-2
Tester: Alan Xie



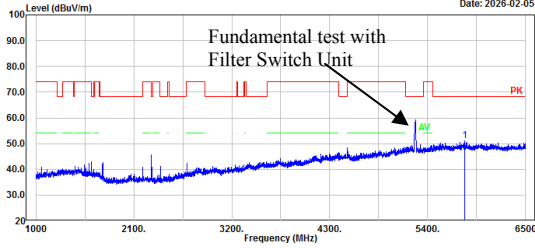
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	47.27	2.48	49.75	74.00	24.25	Peak
2	15960.00	46.87	3.54	50.41	74.00	23.59	Peak
3	17977.00	48.42	11.12	59.54	74.00	14.46	Peak
4	17977.00	36.65	11.12	47.77	54.00	6.23	Average

802.11ac20, Low Channel, 5260MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A low channel 5260MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 30ML-2
Tester: Alan Xie

Date: 2026-02-05



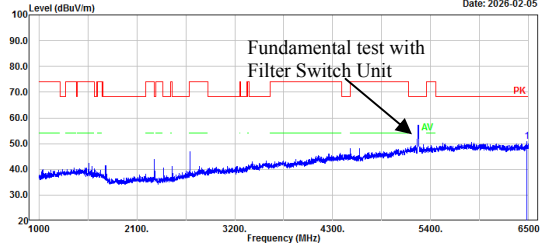
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5811.40	50.75	0.28	51.03	68.20	17.17	Peak

802.11ac20, Low Channel, 5260MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A low channel 5260MHz
Peak:RBW:1MHz,VBW:3MHz

Serial No.: 30ML-2
Tester: Alan Xie

Date: 2026-02-05

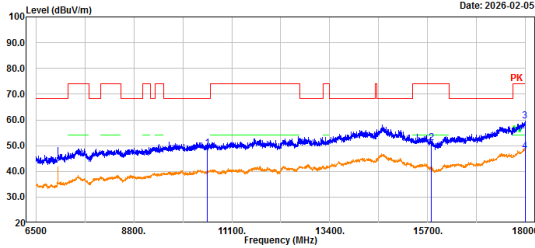


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6475.80	50.68	0.23	50.91	68.20	17.29	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A low channel 5260MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 30ML-2
Tester: Alan Xie

Date: 2026-02-05

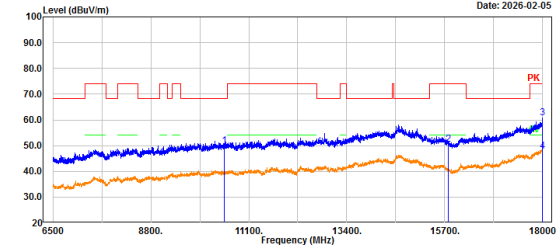


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10520.00	46.83	2.29	49.12	68.20	19.08	Peak
2	15780.00	47.69	3.55	51.24	74.00	22.76	Peak
3	17983.90	48.40	11.18	59.58	74.00	14.42	Peak
4	17983.90	36.56	11.18	47.74	54.00	6.26	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A low channel 5260MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

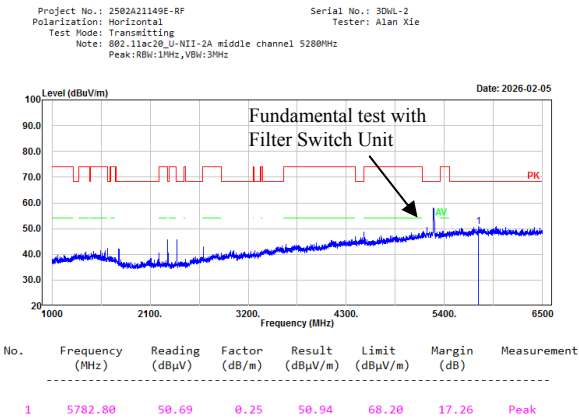
Serial No.: 30ML-2
Tester: Alan Xie

Date: 2026-02-05

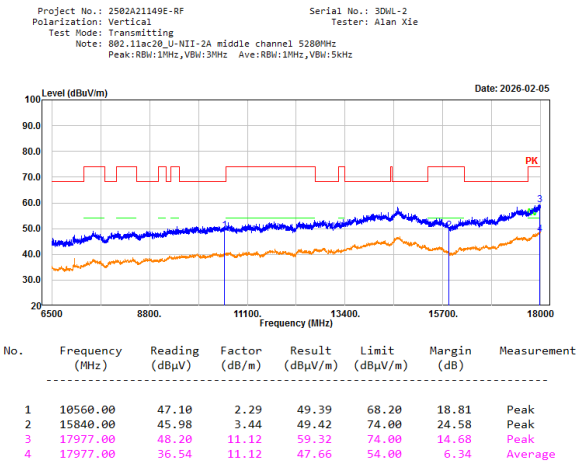
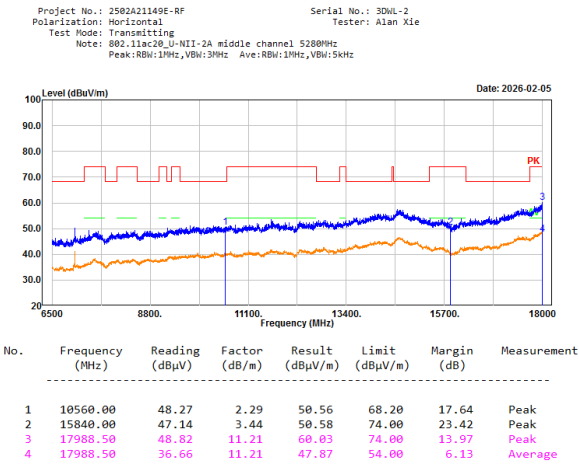
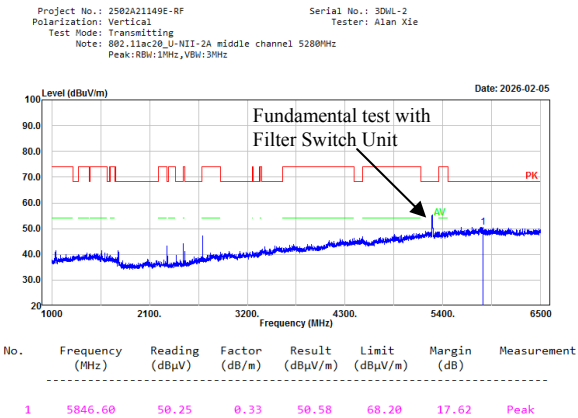


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10520.00	47.72	2.29	50.01	68.20	18.19	Peak
2	15780.00	46.93	3.55	50.48	74.00	23.52	Peak
3	17988.50	49.57	11.21	60.78	74.00	13.22	Peak
4	17988.50	36.59	11.21	47.80	54.00	6.20	Average

802. 11ac20, Middle Channel, 5280MHz,Horizontal



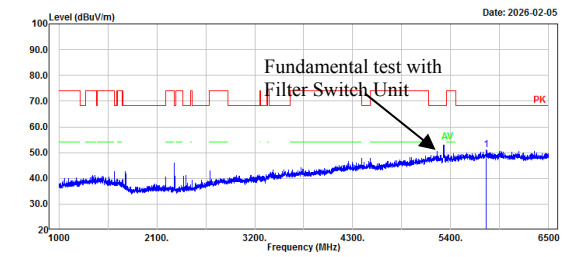
802. 11ac20, Middle Channel, 5280MHz, Vertical



802.11ac20, High Channel, 5320MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A high channel 5320MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 30NL-2
Tester: Alan Xie

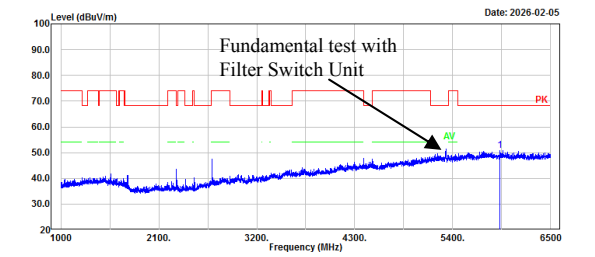


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5799.30	50.76	0.27	51.03	68.20	17.17	Peak

802.11ac20, High Channel, 5320MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A high channel 5320MHz
Peak: RBW:1MHz, VBW:3MHz

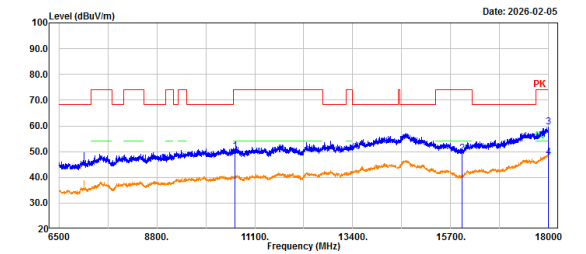
Serial No.: 30NL-2
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5932.40	50.43	0.41	50.84	68.20	17.36	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A high channel 5320MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

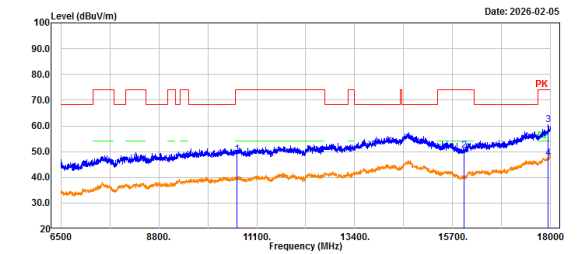
Serial No.: 30NL-2
Tester: Alan Xie



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	47.73	2.48	50.21	74.00	23.79	Peak
2	15960.00	45.74	3.54	49.28	74.00	24.72	Peak
3	17995.40	48.36	11.26	59.62	74.00	14.38	Peak
4	17995.40	36.58	11.26	47.84	54.00	6.16	Average

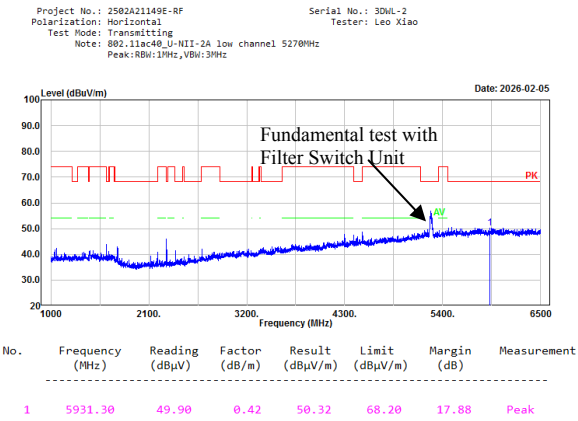
Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A high channel 5320MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 30NL-2
Tester: Alan Xie

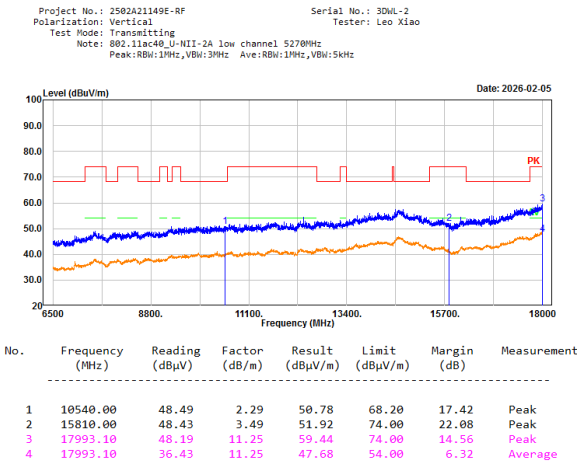
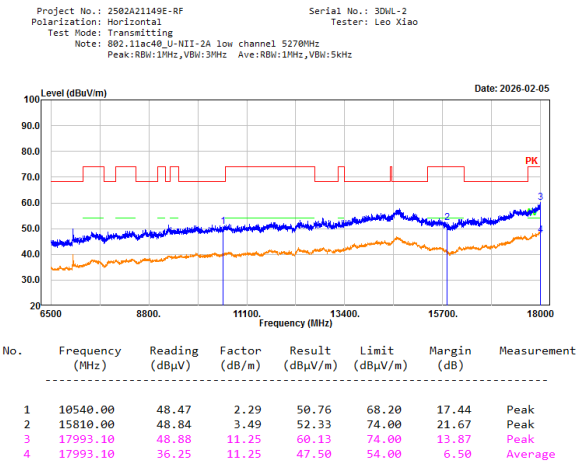
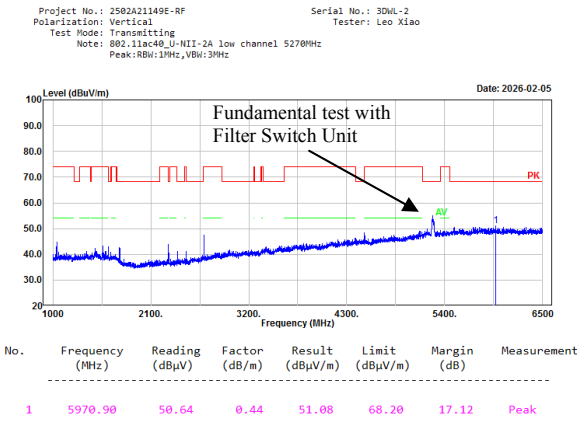


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	10640.00	46.48	2.48	48.96	74.00	25.04	Peak
2	15960.00	47.00	3.54	50.54	74.00	23.46	Peak
3	17937.90	49.53	10.85	60.38	74.00	13.62	Peak
4	17937.90	36.66	10.85	47.51	54.00	6.49	Average

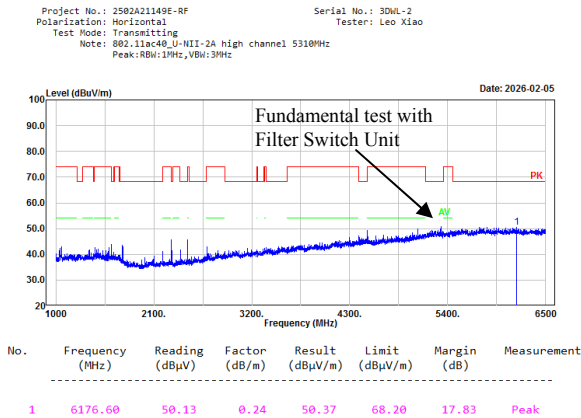
802.11ac40, Low Channel, 5270MHz, Horizontal



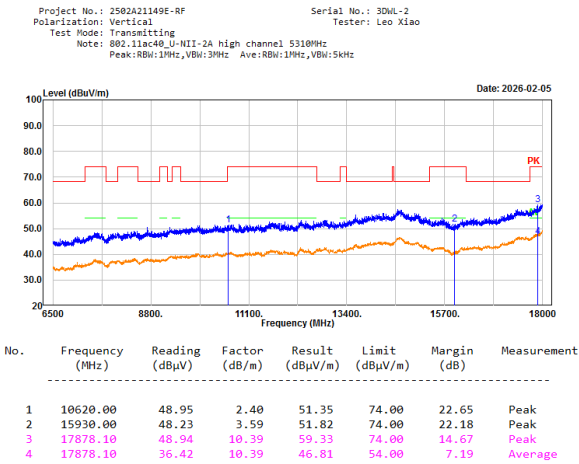
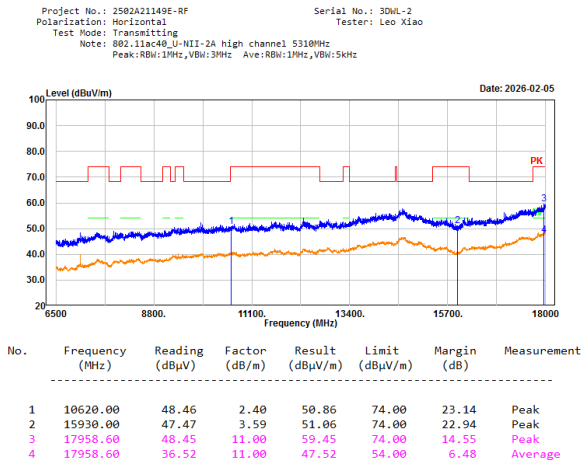
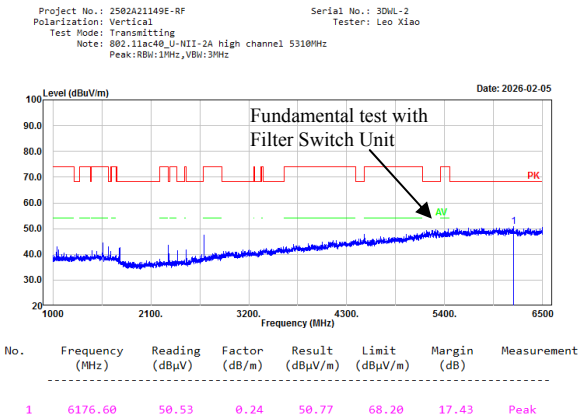
802.11ac40, Low Channel, 5270MHz, Vertical



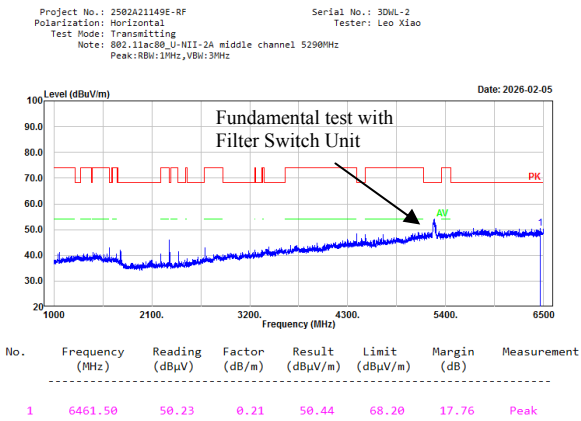
802.11ac40, High Channel, 5310MHz, Horizontal



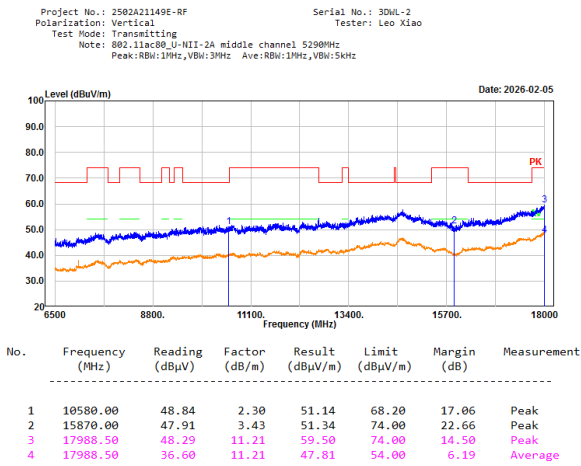
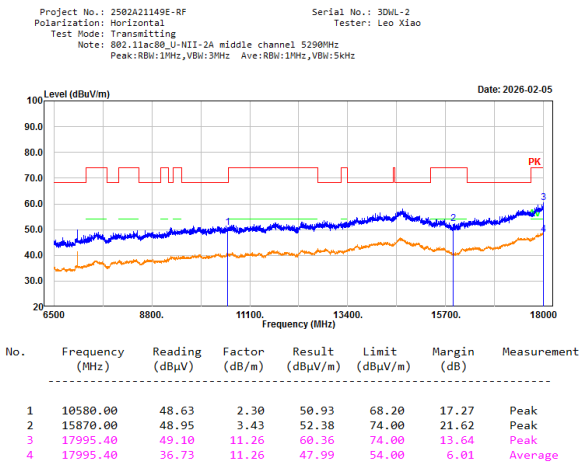
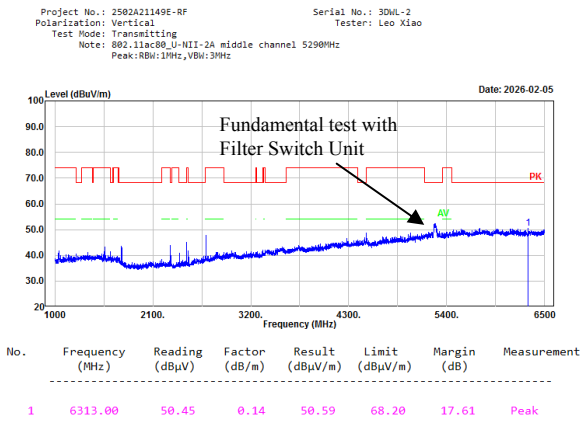
802.11ac40, High Channel, 5310MHz, Vertical



802.11ac80, Middle Channel, 5290MHz,
Horizontal

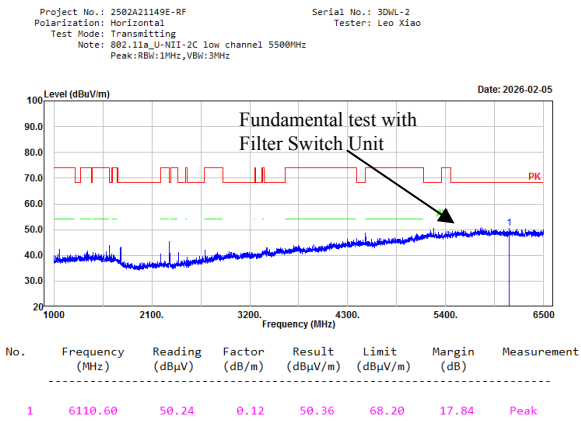


802.11ac80, Middle Channel, 5290MHz,
Vertical

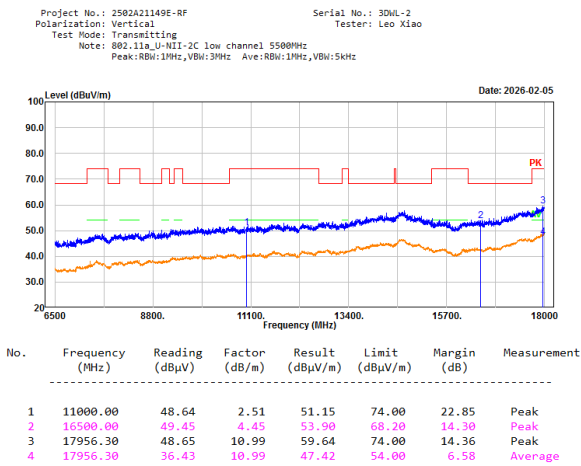
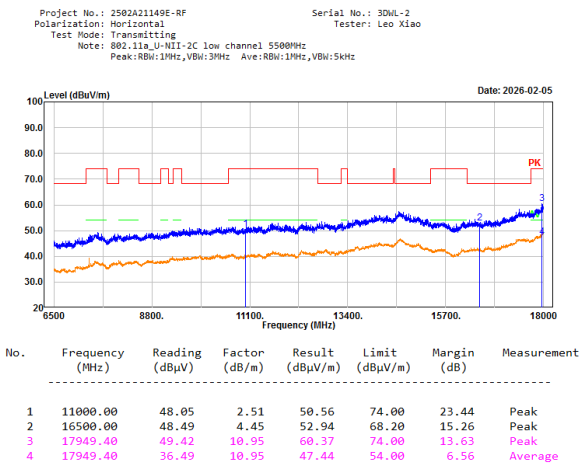
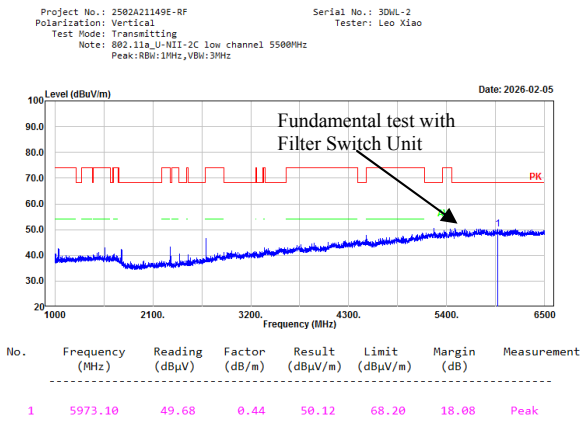


5470-5725MHz:

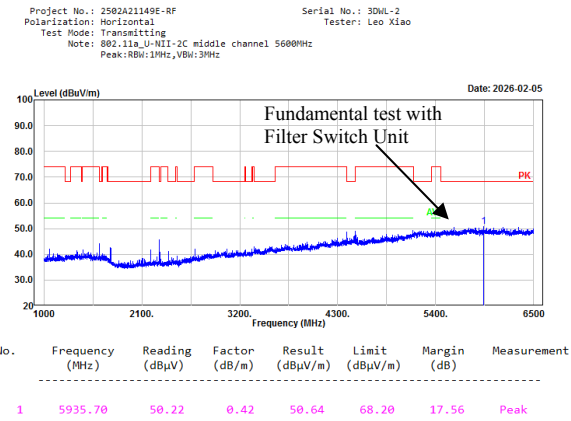
802.11a, Low Channel, 5500MHz, Horizontal



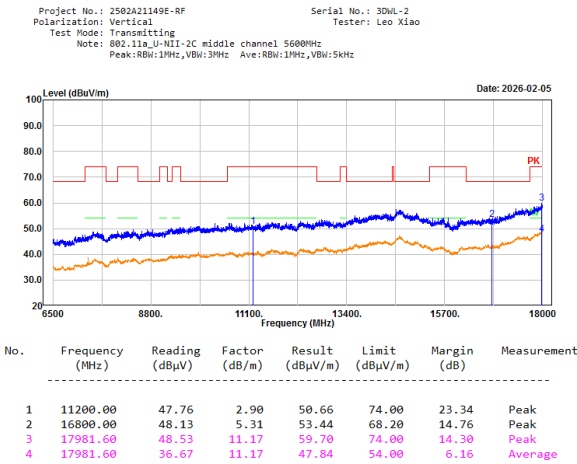
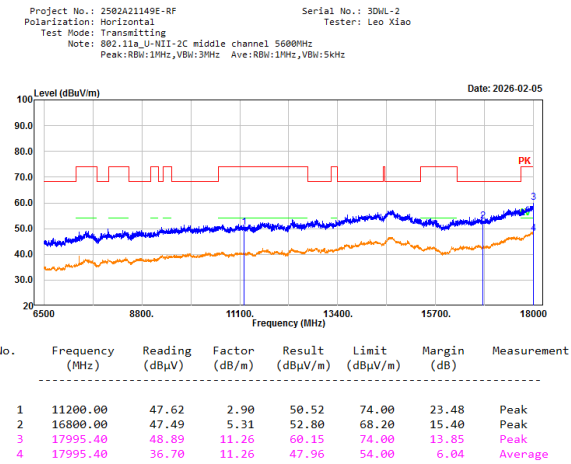
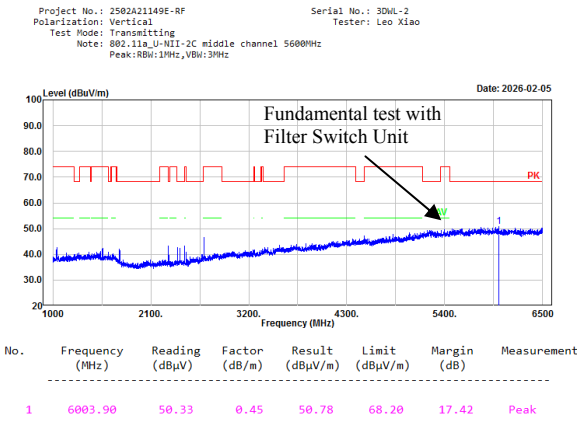
802.11a, Low Channel, 5500MHz, Vertical



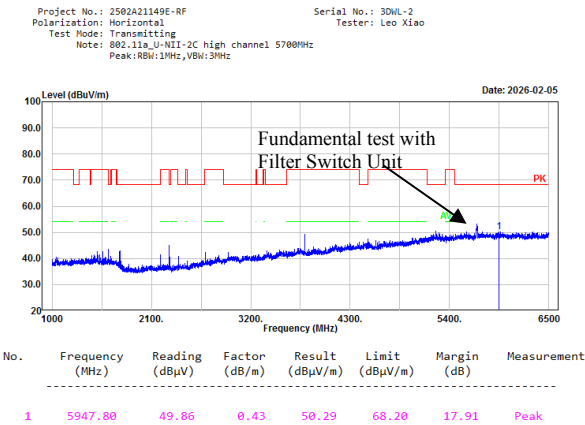
802.11a, Middle Channel, 5600MHz, Horizontal



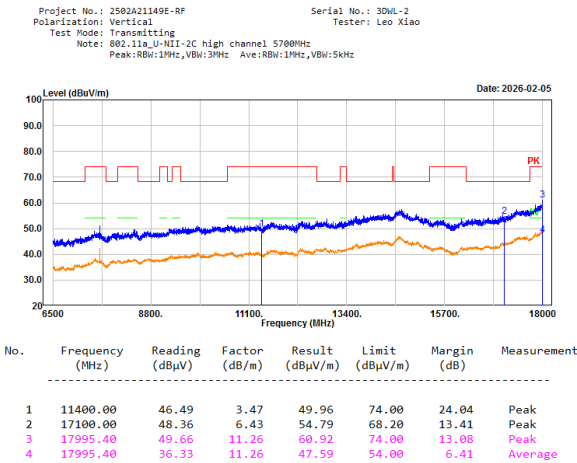
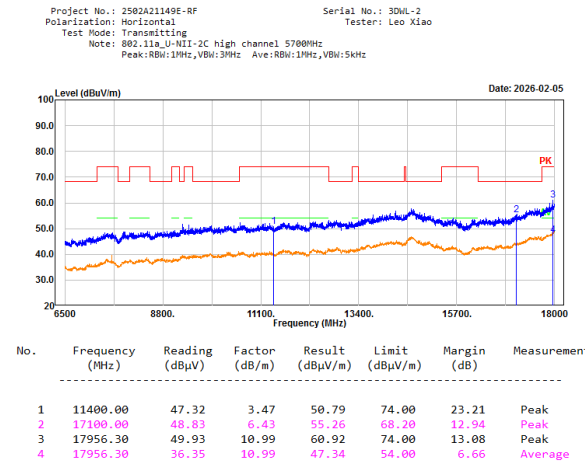
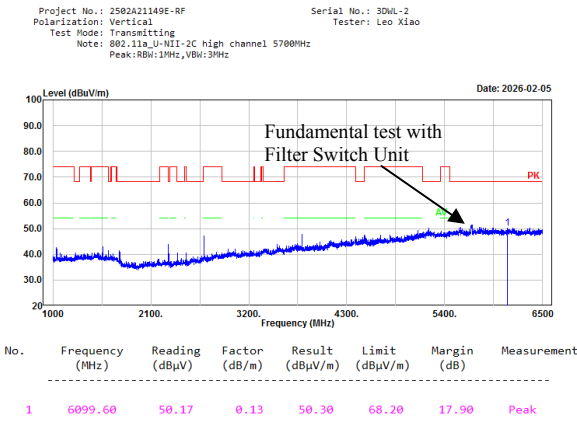
802.11a, Middle Channel, 5600MHz, Vertical



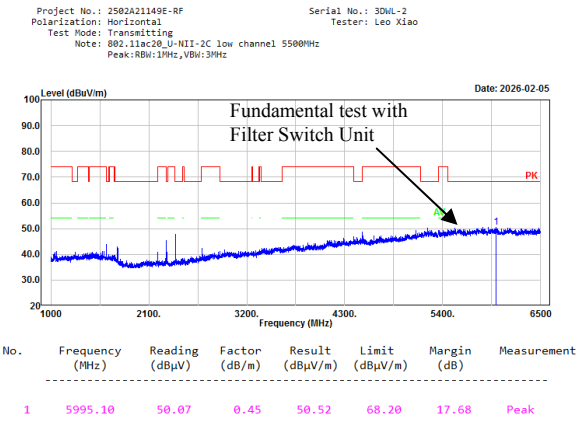
802.11a, High Channel, 5700MHz, Horizontal



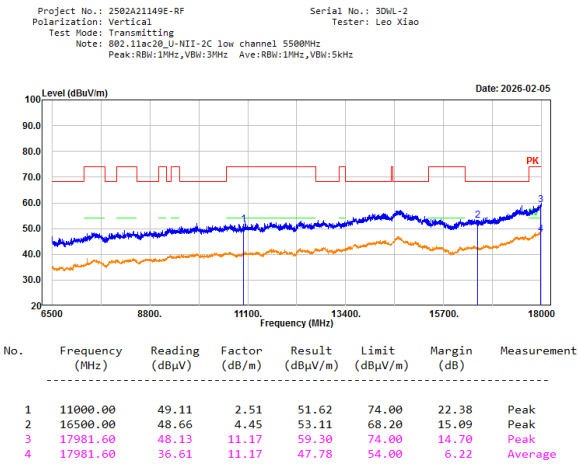
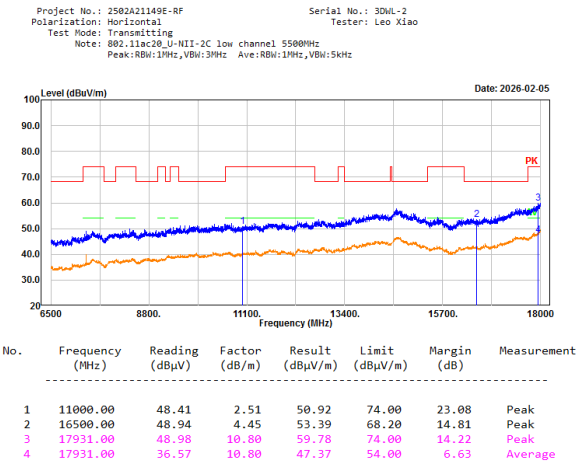
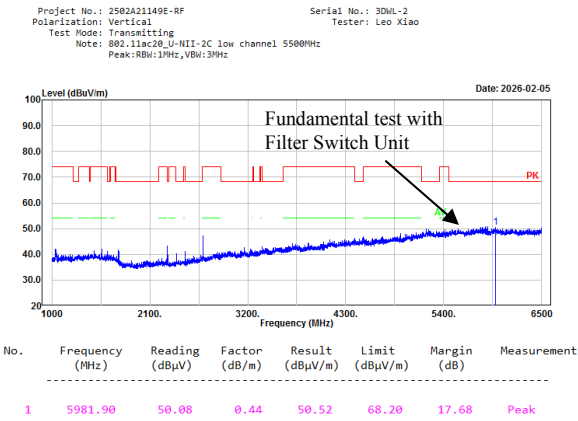
802.11a, High Channel, 5700MHz, Vertical



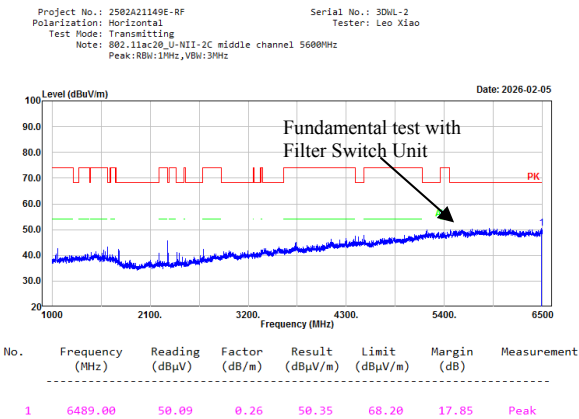
802.11ac20, Low Channel, 5500MHz, Horizontal



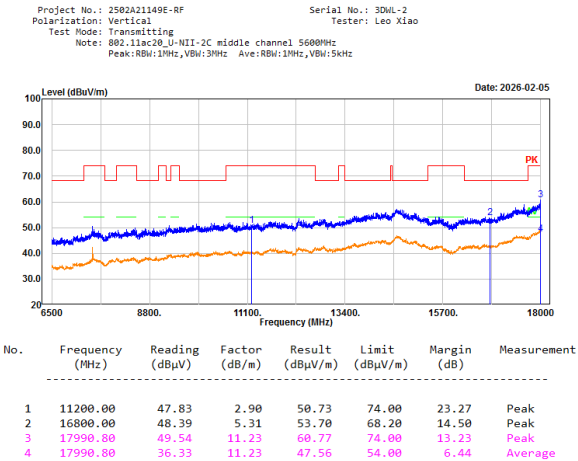
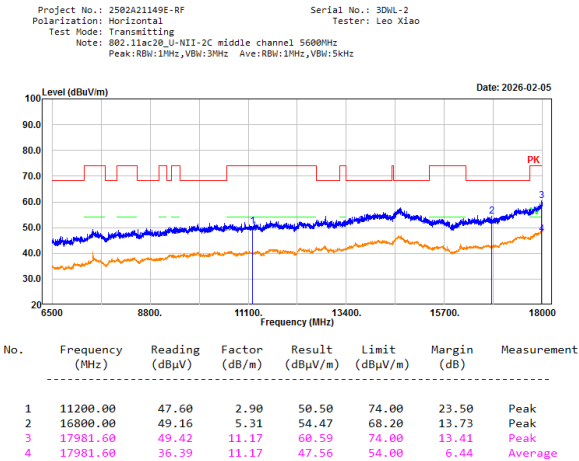
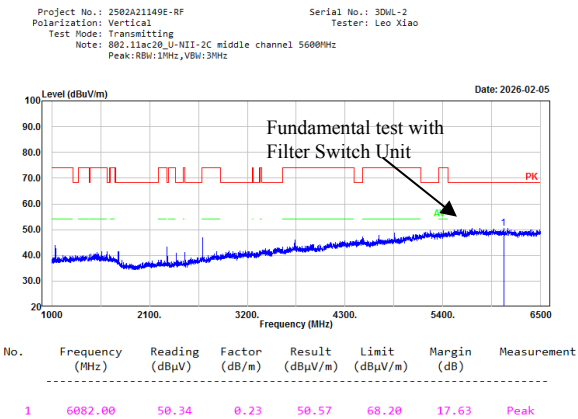
802.11ac20, Low Channel, 5500MHz, Vertical



802. 11ac20, Middle Channel, 5600MHz, Horizontal



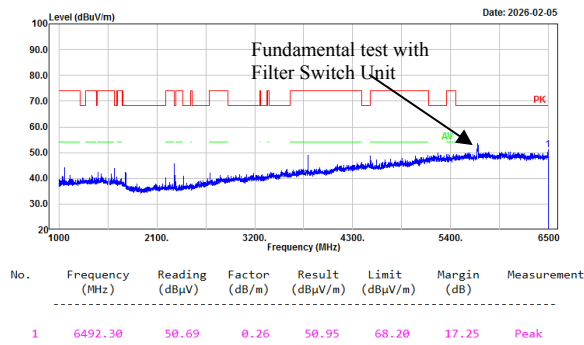
802. 11ac20, Middle Channel, 5600MHz, Vertical



802.11ac20, High Channel, 5700MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:3MHz

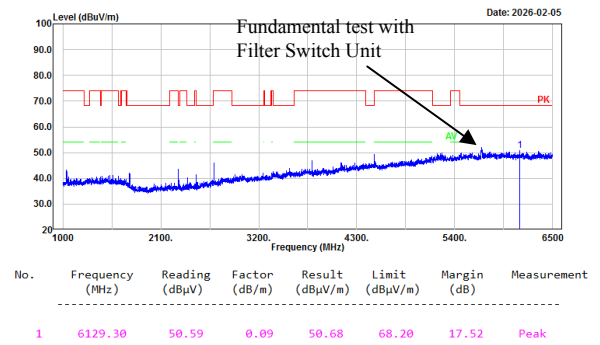
Serial No.: 30NL-2
Tester: Leo Xiao



802.11ac20, High Channel, 5700MHz, Vertical

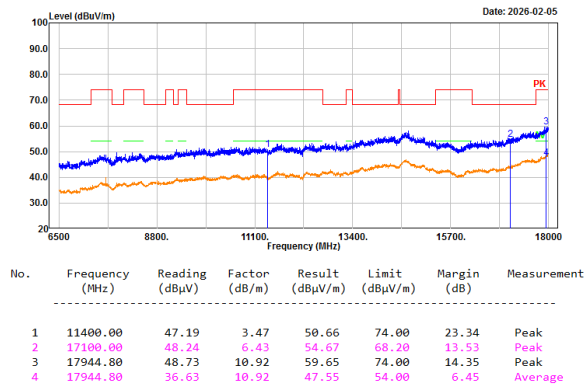
Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 30NL-2
Tester: Leo Xiao



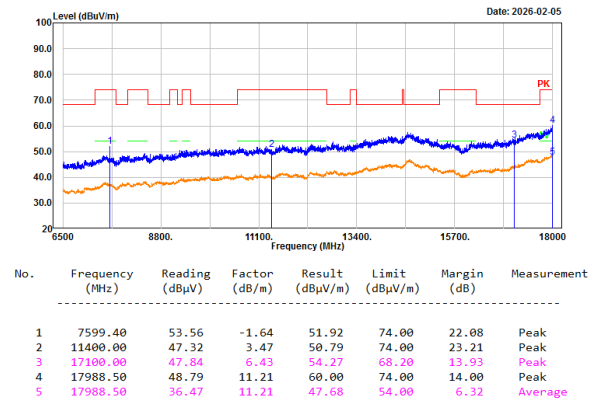
Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 30NL-2
Tester: Leo Xiao

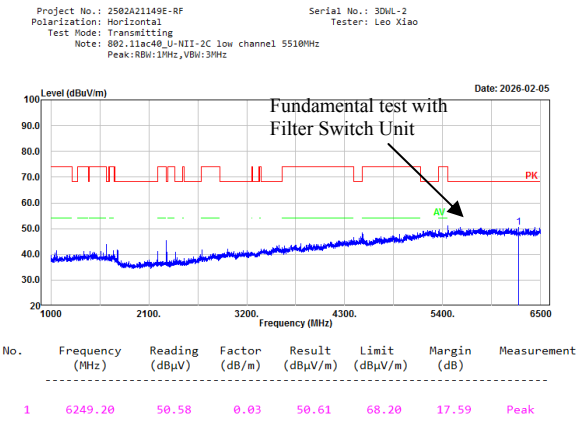


Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

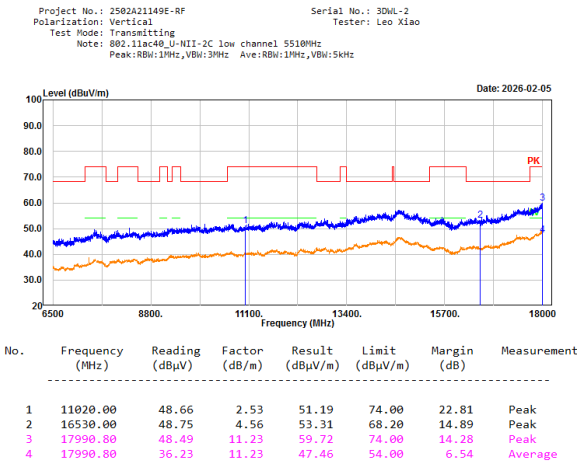
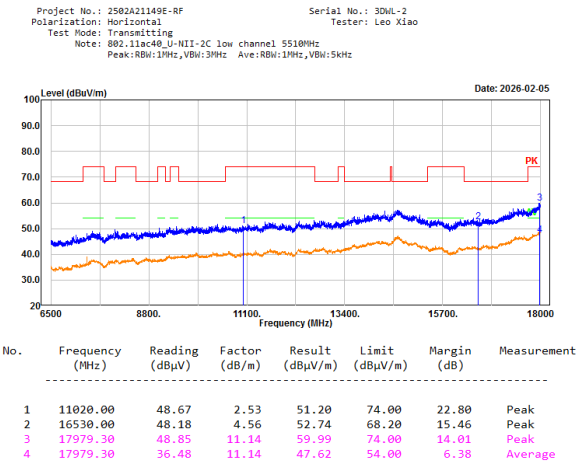
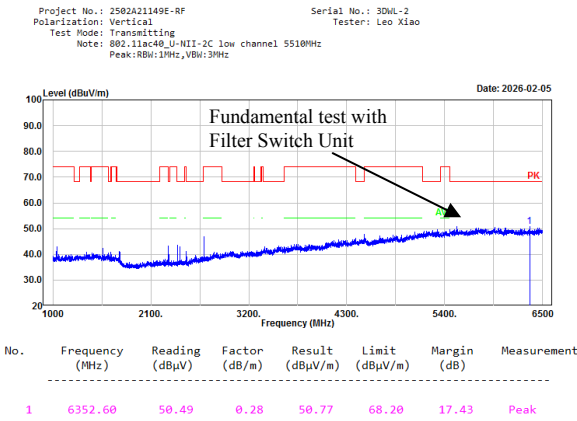
Serial No.: 30NL-2
Tester: Leo Xiao



802.11ac40, Low Channel, 5510MHz, Horizontal



802.11ac40, Low Channel, 5510MHz, Vertical

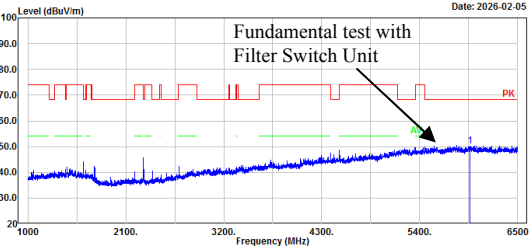


802.11ac40, Middle Channel, 5590MHz, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C middle channel 5590MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DNL-2
Tester: Leo Xiao

Date: 2026-02-05



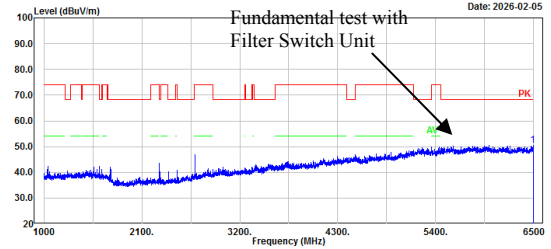
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5965.40	49.82	0.43	50.25	68.20	17.95	Peak

802.11ac40, Middle Channel, 5590MHz, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C middle channel 5590MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DNL-2
Tester: Leo Xiao

Date: 2026-02-05

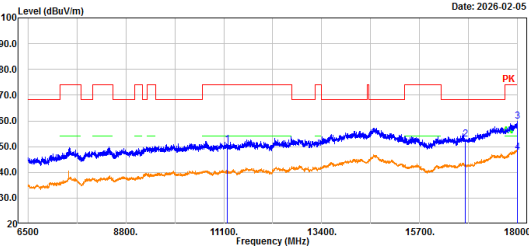


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	6492.30	50.14	0.26	50.40	68.20	17.80	Peak

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C middle channel 5590MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DNL-2
Tester: Leo Xiao

Date: 2026-02-05

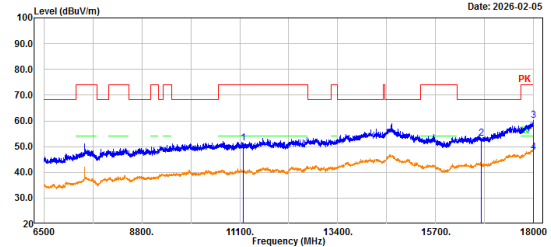


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11180.00	48.04	2.87	50.91	74.00	23.09	Peak
2	16770.00	47.59	5.25	52.84	68.20	15.36	Peak
3	17995.40	48.57	11.26	59.83	74.00	14.17	Peak
4	17995.40	36.59	11.26	47.85	54.00	6.15	Average

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C middle channel 5590MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

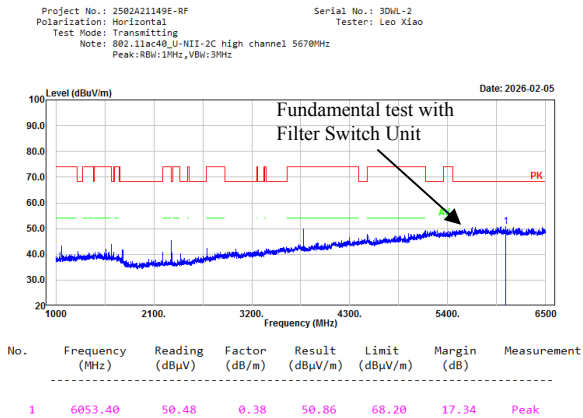
Serial No.: 3DNL-2
Tester: Leo Xiao

Date: 2026-02-05

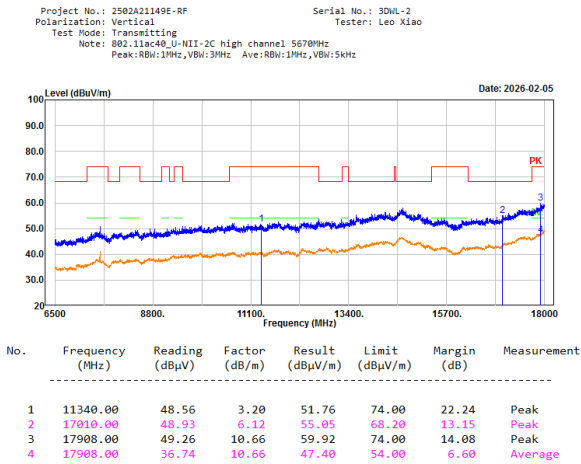
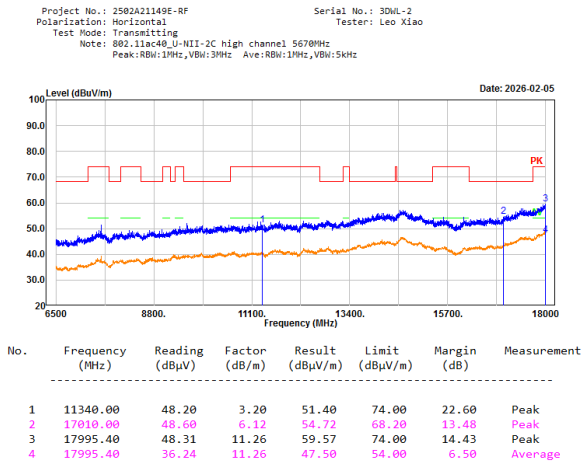
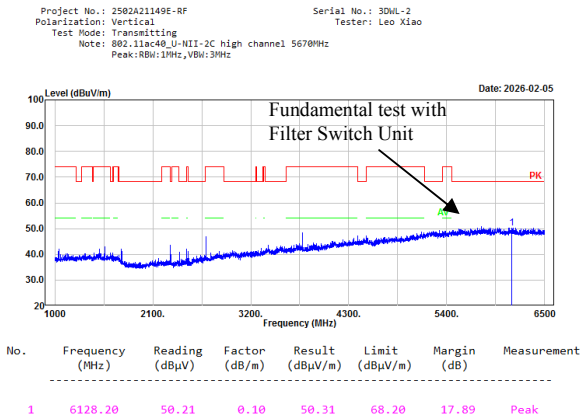


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	11180.00	48.50	2.87	51.37	74.00	22.63	Peak
2	16770.00	47.88	5.25	53.13	68.20	15.07	Peak
3	17993.10	48.93	11.25	60.18	74.00	13.82	Peak
4	17993.10	36.54	11.25	47.79	54.00	6.21	Average

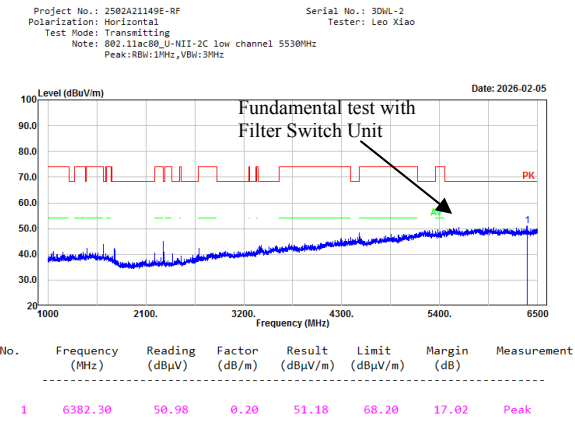
802. 11ac40, High Channel, 5670MHz, Horizontal



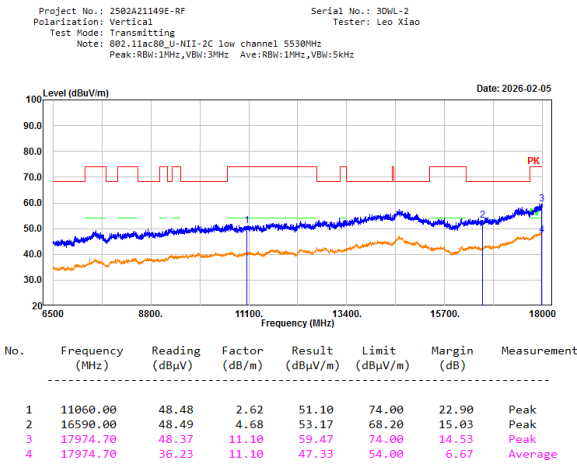
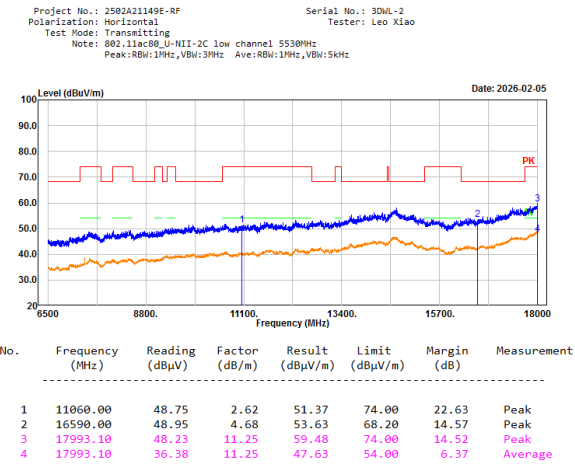
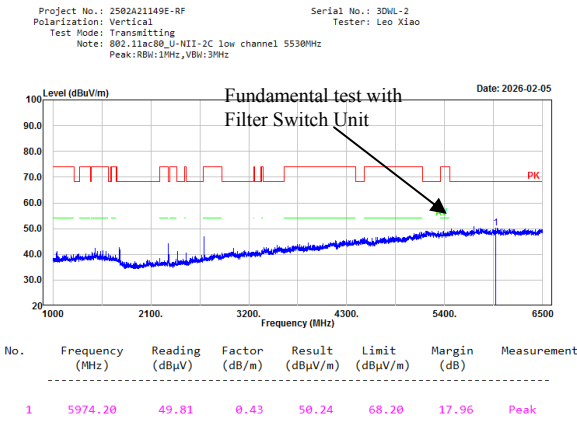
802. 11ac40, High Channel, 5670MHz, Vertical



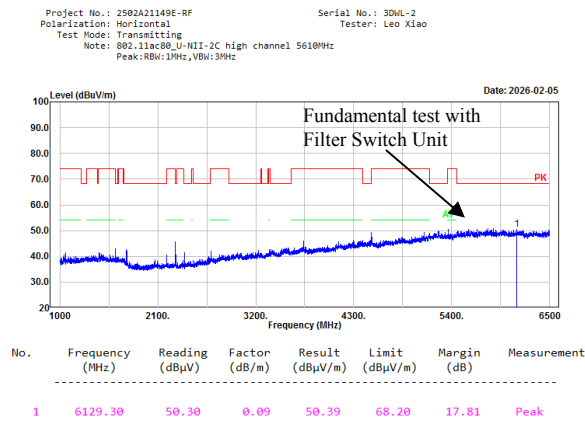
802.11ac80, Low Channel, 5530MHz, Horizontal



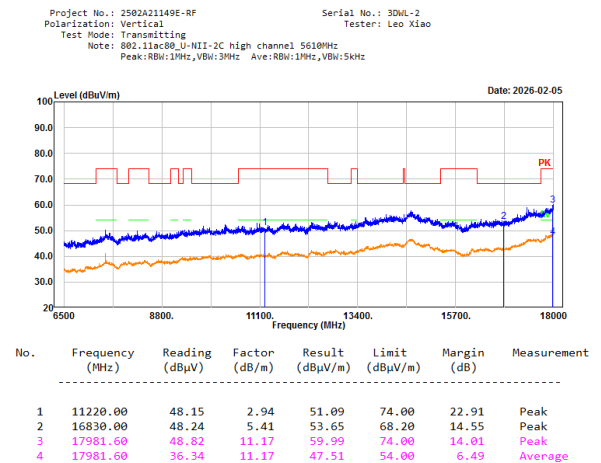
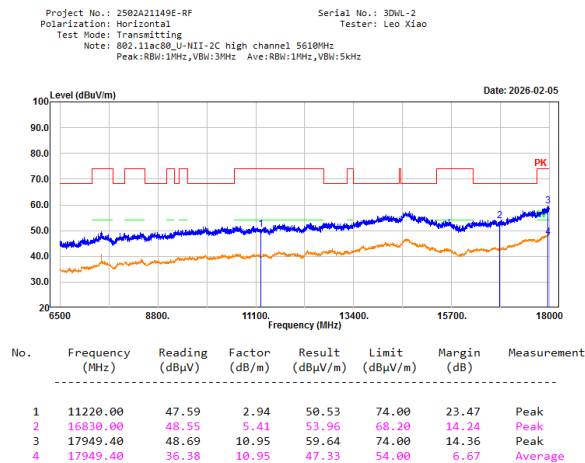
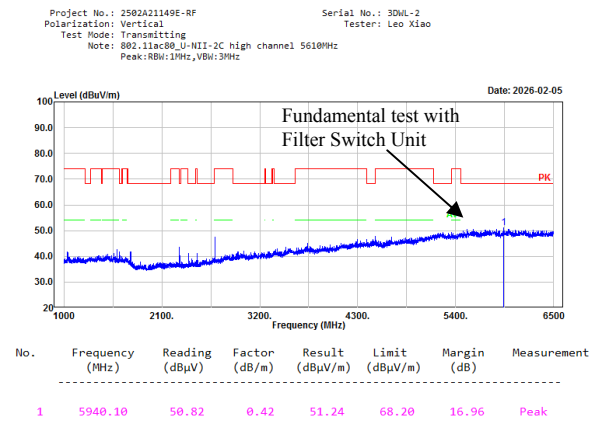
802.11ac80, Low Channel, 5530MHz, Vertical



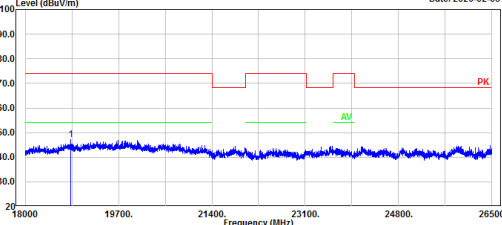
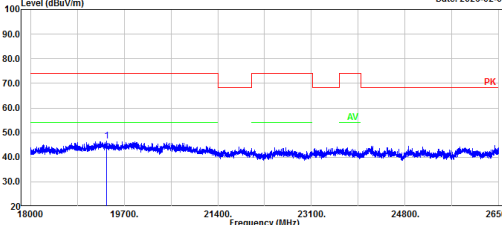
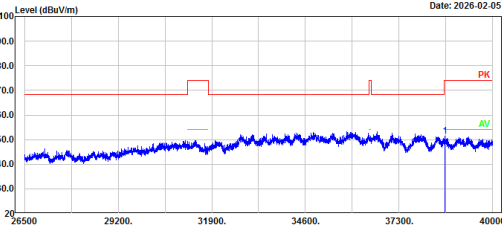
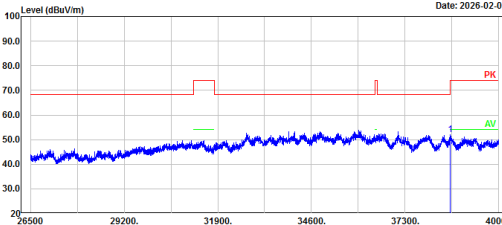
802.11ac80, High Channel, 5610MHz, Horizontal



802.11ac80, High Channel, 5610MHz, Vertical



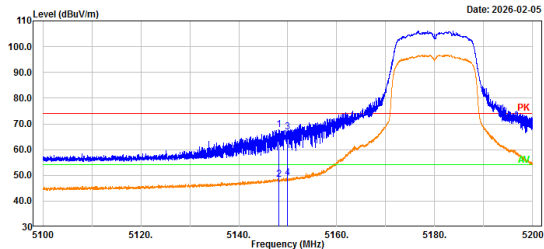
18-40GHz:
No Emission was detected in the range 18-40GHz, test was performed on the mode and channel which with the maximum power.

802.11a 5320MHz, Horizontal				802.11a 5320MHz, Vertical																																			
Project No.: 2502A21149E-RF Polarization: Horizontal Test Mode: Transmitting Note: 5G WiFi Peak: RBW: 1MHz, VBW: 3MHz Serial No.: 30WL-2 Tester: Leo Xiao Date: 2026-02-05  <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>18833.00</td><td>47.21</td><td>-0.10</td><td>47.11</td><td>74.00</td><td>26.89</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	18833.00	47.21	-0.10	47.11	74.00	26.89	Peak	Project No.: 2502A21149E-RF Polarization: Vertical Test Mode: Transmitting Note: 5G WiFi Peak: RBW: 1MHz, VBW: 3MHz Serial No.: 30WL-2 Tester: Leo Xiao Date: 2026-02-05  <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>19383.80</td><td>46.34</td><td>0.20</td><td>46.54</td><td>74.00</td><td>27.46</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	19383.80	46.34	0.20	46.54	74.00	27.46	Peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																
1	18833.00	47.21	-0.10	47.11	74.00	26.89	Peak																																
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																
1	19383.80	46.34	0.20	46.54	74.00	27.46	Peak																																
Project No.: 2502A21149E-RF Polarization: Horizontal Test Mode: Transmitting Note: 5G WiFi Peak: RBW: 1MHz, VBW: 3MHz Serial No.: 30WL-2 Tester: Leo Xiao Date: 2026-02-05  <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>38625.70</td><td>43.04</td><td>8.23</td><td>51.27</td><td>74.00</td><td>22.73</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	38625.70	43.04	8.23	51.27	74.00	22.73	Peak	Project No.: 2502A21149E-RF Polarization: Vertical Test Mode: Transmitting Note: 5G WiFi Peak: RBW: 1MHz, VBW: 3MHz Serial No.: 30WL-2 Tester: Leo Xiao Date: 2026-02-05  <table><tr><th>No.</th><th>Frequency (MHz)</th><th>Reading (dBuV)</th><th>Factor (dB/m)</th><th>Result (dBuV/m)</th><th>Limit (dBuV/m)</th><th>Margin (dB)</th><th>Measurement</th></tr><tr><td>1</td><td>38596.00</td><td>43.83</td><td>8.18</td><td>52.01</td><td>68.20</td><td>16.19</td><td>Peak</td></tr></table>				No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement	1	38596.00	43.83	8.18	52.01	68.20	16.19	Peak
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																
1	38625.70	43.04	8.23	51.27	74.00	22.73	Peak																																
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement																																
1	38596.00	43.83	8.18	52.01	68.20	16.19	Peak																																

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

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

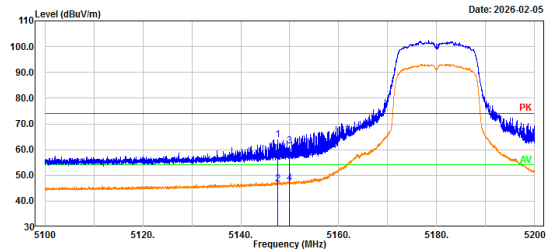


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5148.20	68.41	7.46	67.87	74.00	6.13	Peak
2	5148.20	40.98	7.46	48.44	54.00	5.56	Average
3	5150.00	59.23	7.47	66.70	74.00	7.30	Peak
4	5150.00	41.56	7.47	49.03	54.00	4.97	Average

802.11a, 5180MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11a_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

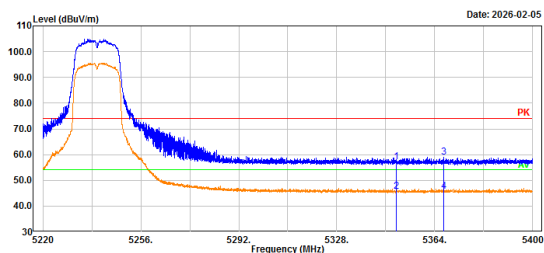


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5147.54	56.32	7.46	63.78	74.00	10.22	Peak
2	5147.54	39.15	7.46	46.61	54.00	7.39	Average
3	5150.00	54.07	7.47	61.54	74.00	12.46	Peak
4	5150.00	39.48	7.47	46.95	54.00	7.05	Average

802.11a, 5240MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
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.: 3DWL-2
Tester: Willem Qiu

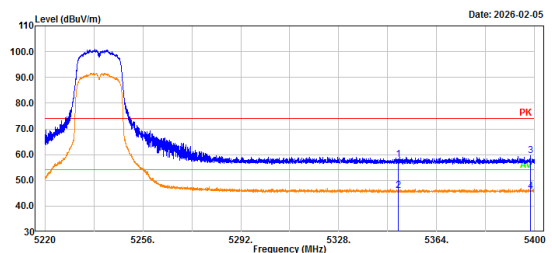


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.26	8.01	57.27	74.00	16.73	Peak
2	5350.00	37.67	8.01	45.68	54.00	8.32	Average
3	5367.38	51.00	7.98	59.06	74.00	14.94	Peak
4	5367.38	37.60	7.98	45.58	54.00	8.42	Average

802.11a, 5240MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
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.: 3DWL-2
Tester: Willem Qiu

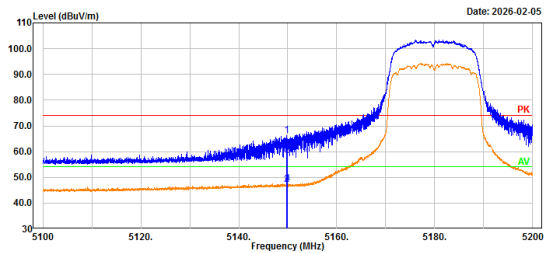


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.93	8.01	57.94	74.00	16.06	Peak
2	5350.00	37.86	8.01	45.87	54.00	8.13	Average
3	5398.52	51.48	7.98	59.46	74.00	14.54	Peak
4	5398.52	37.70	7.98	45.68	54.00	8.32	Average

802.11ac20, 5180MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

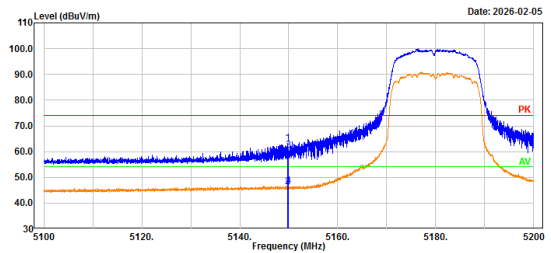


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5149.76	58.74	7.47	66.21	74.00	7.79	Peak
2	5149.76	39.78	7.47	47.25	54.00	6.75	Average
3	5150.00	59.91	7.47	58.38	74.00	15.62	Peak
4	5150.00	39.91	7.47	47.38	54.00	6.62	Average

802.11ac20, 5180MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 low channel 5180MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

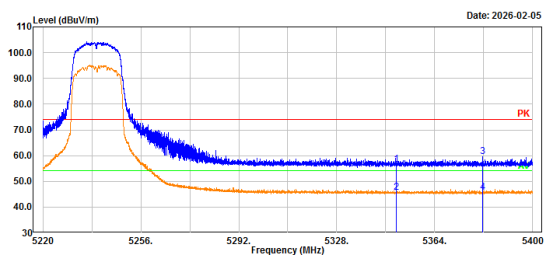


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5149.82	55.81	7.47	63.28	74.00	10.72	Peak
2	5149.82	38.88	7.47	46.35	54.00	7.65	Average
3	5150.00	52.93	7.47	60.40	74.00	13.60	Peak
4	5150.00	39.10	7.47	46.57	54.00	7.43	Average

802.11ac20, 5240MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 high channel 5240MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

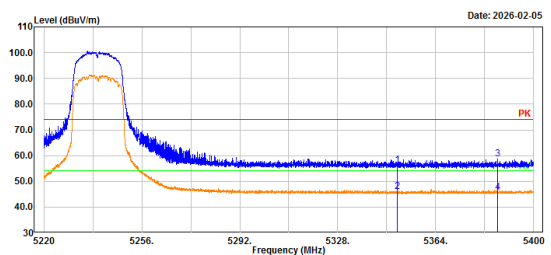


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.57	8.01	56.58	74.00	17.42	Peak
2	5350.00	37.77	8.01	45.78	54.00	8.22	Average
3	5381.57	51.71	7.98	59.69	74.00	14.31	Peak
4	5381.57	37.68	7.98	45.66	54.00	8.34	Average

802.11ac20, 5240MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-1 high channel 5240MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

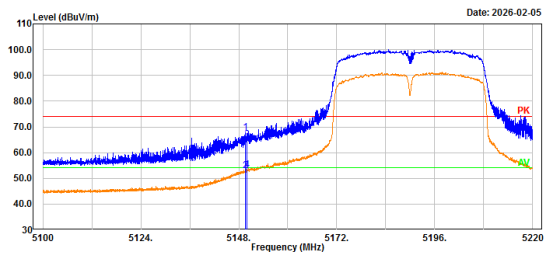


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.20	8.01	56.21	74.00	17.79	Peak
2	5350.00	37.88	8.01	45.89	54.00	8.11	Average
3	5386.72	50.62	7.98	58.60	74.00	15.40	Peak
4	5386.72	37.78	7.98	45.76	54.00	8.24	Average

802. 11ac40, 5190MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 low channel 5190MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

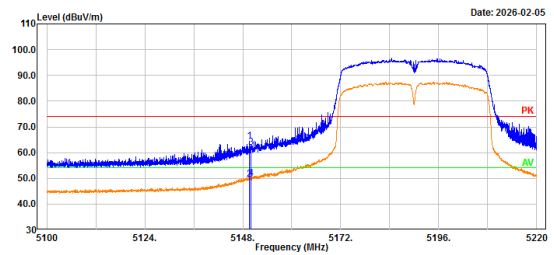


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5149.68	60.23	7.47	67.70	74.00	6.30	Peak
2	5149.68	45.42	7.47	52.89	54.00	1.11	Average
3	5150.00	57.68	7.47	65.15	74.00	8.85	Peak
4	5150.00	45.80	7.47	53.27	54.00	0.73	Average

802. 11ac40, 5190MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 low channel 5190MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

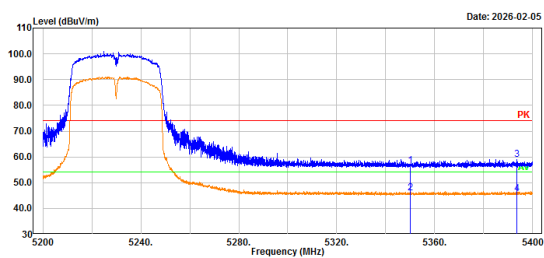


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5149.63	56.83	7.47	64.30	74.00	9.70	Peak
2	5149.63	42.12	7.47	49.59	54.00	4.41	Average
3	5150.00	54.54	7.47	62.01	74.00	11.99	Peak
4	5150.00	42.36	7.47	49.83	54.00	4.17	Average

802. 11ac40, 5230MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 high channel 5230MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

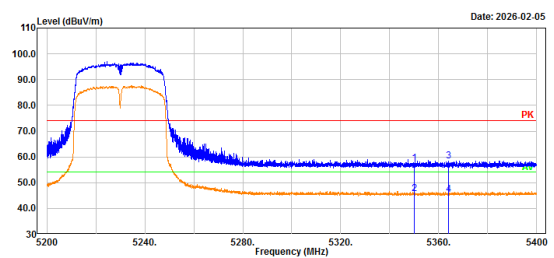


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	48.44	8.01	56.45	74.00	17.55	Peak
2	5350.00	37.85	8.01	45.86	54.00	8.14	Average
3	5393.64	51.04	7.97	59.01	74.00	14.99	Peak
4	5393.64	37.75	7.97	45.72	54.00	8.28	Average

802. 11ac40, 5230MHz, Bandedge, Vertical

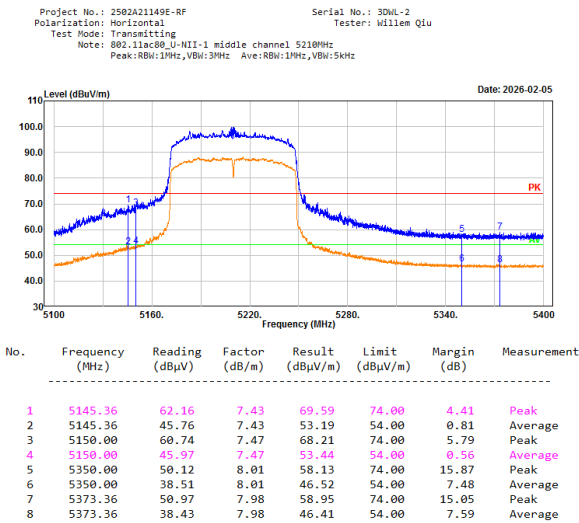
Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-1 high channel 5230MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

Serial No.: 3DWL-2
Tester: Willem Qiu

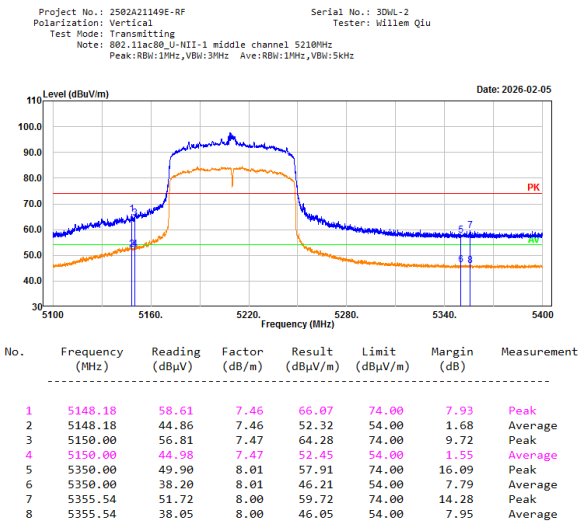


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	49.41	8.01	57.42	74.00	16.58	Peak
2	5350.00	37.67	8.01	45.68	54.00	8.32	Average
3	5363.92	50.48	7.99	58.47	74.00	15.53	Peak
4	5363.92	37.33	7.99	45.32	54.00	8.68	Average

802.11ac80, 5210MHz, Bandedge, Horizontal

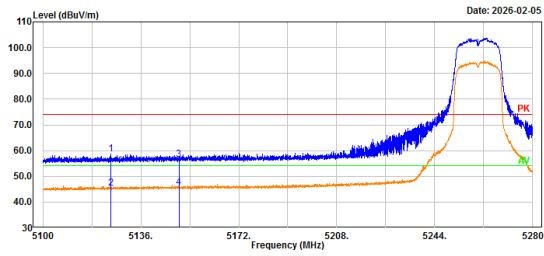


802.11ac80, 5210MHz, Bandedge, Vertical



5250-5350MHz:**802.11a, 5260MHz, Bandedge, Horizontal**

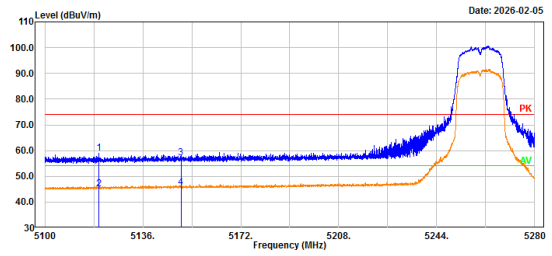
Project No.: 2502A21149E-RF Serial No.: 30NL-2
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-2A low channel 5260MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5125.02	51.31	7.28	58.59	74.00	15.41	Peak
2	5125.02	38.00	7.28	45.28	54.00	8.72	Average
3	5150.00	48.97	7.47	56.44	74.00	17.56	Peak
4	5150.00	38.12	7.47	45.59	54.00	8.41	Average

802.11a, 5260MHz, Bandedge, Vertical

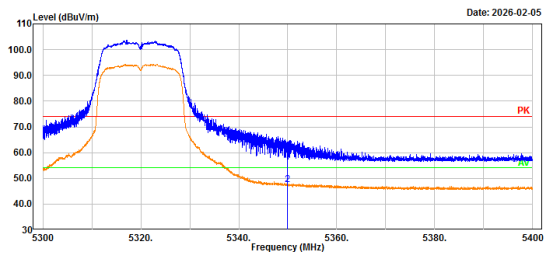
Project No.: 2502A21149E-RF Serial No.: 30NL-2
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-2A low channel 5260MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5119.01	51.59	7.24	58.83	74.00	15.17	Peak
2	5119.01	37.94	7.24	45.18	54.00	8.82	Average
3	5150.00	49.56	7.47	57.03	74.00	16.97	Peak
4	5150.00	38.16	7.47	45.63	54.00	8.37	Average

802.11a, 5320MHz, Bandedge, Horizontal

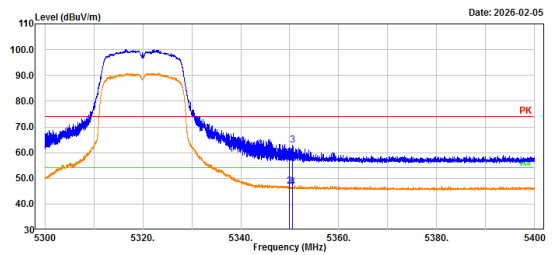
Project No.: 2502A21149E-RF Serial No.: 30NL-2
Polarization: Horizontal Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	52.51	8.01	60.52	74.00	13.48	Peak
2	5350.00	39.48	8.01	47.49	54.00	6.51	Average

802.11a, 5320MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF Serial No.: 30NL-2
Polarization: Vertical Tester: Alan Xie
Test Mode: Transmitting
Note: 802.11a_U-NII-2A high channel 5320MHz
Peak:RBW:1MHz,VBW:3MHz Ave:RBW:1MHz,VBW:5kHz

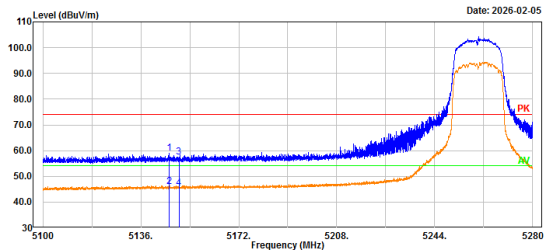


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	50.01	8.01	58.02	74.00	15.98	Peak
2	5350.00	38.76	8.01	46.77	54.00	7.23	Average
3	5350.60	54.79	8.00	62.79	74.00	11.21	Peak
4	5350.60	38.65	8.00	46.65	54.00	7.35	Average

802. 11ac20, 5260MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A low channel 5260MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Alan Xie

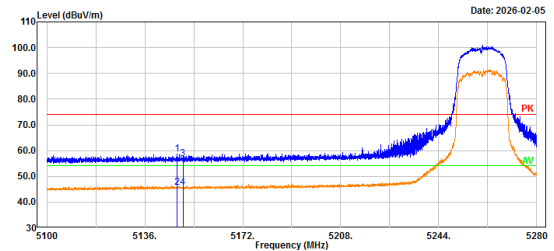


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5146.33	51.67	7.45	59.12	74.00	14.88	Peak
2	5146.33	38.64	7.45	46.09	54.00	7.91	Average
3	5150.00	50.10	7.47	57.57	74.00	16.43	Peak
4	5150.00	38.01	7.47	45.48	54.00	8.52	Average

802. 11ac20, 5260MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A low channel 5260MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Alan Xie

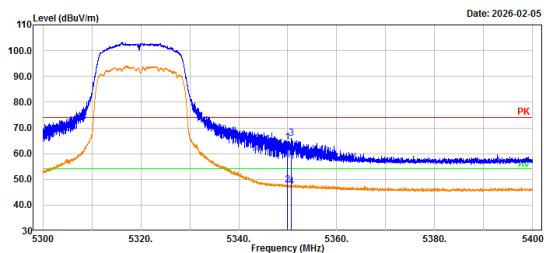


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5147.92	51.27	7.46	58.73	74.00	15.27	Peak
2	5147.92	38.14	7.46	45.60	54.00	8.40	Average
3	5150.00	49.45	7.47	56.92	74.00	17.08	Peak
4	5150.00	38.33	7.47	45.80	54.00	8.20	Average

802. 11ac20, 5320MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A high channel 5320MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Alan Xie

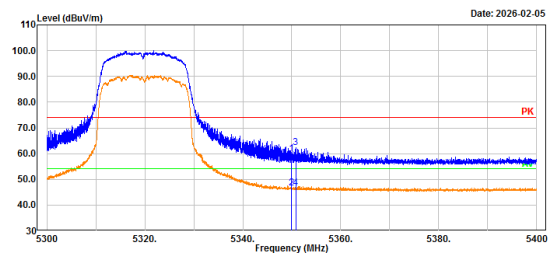


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	56.39	8.01	64.40	74.00	9.60	Peak
2	5350.00	39.71	8.01	47.72	54.00	6.28	Average
3	5350.78	57.92	8.00	65.92	74.00	8.08	Peak
4	5350.78	39.10	8.00	47.10	54.00	6.90	Average

802. 11ac20, 5320MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2A high channel 5320MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Alan Xie



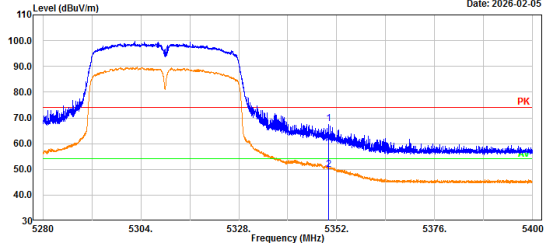
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	52.00	8.01	60.01	74.00	13.99	Peak
2	5350.00	38.70	8.01	46.71	54.00	7.29	Average
3	5350.80	54.21	8.00	62.21	74.00	11.79	Peak
4	5350.80	38.47	8.00	46.47	54.00	7.53	Average

802.11ac40, 5270MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2A low channel 5270MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

Date: 2026-02-05



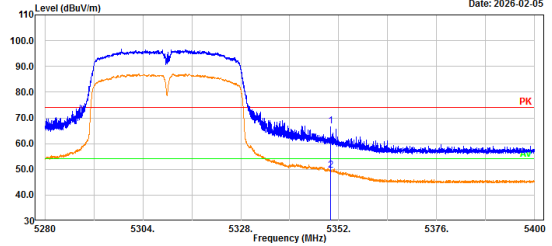
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	59.75	8.01	67.76	74.00	6.24	Peak
2	5350.00	41.98	8.01	49.99	54.00	4.01	Average

802.11ac40, 5270MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2A low channel 5270MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

Date: 2026-02-05



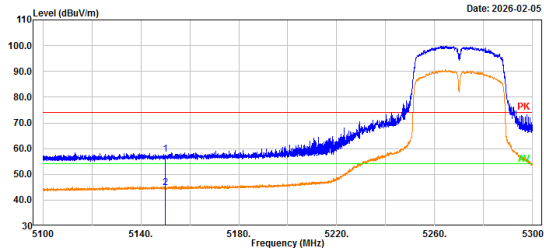
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5350.00	58.73	8.01	66.74	74.00	7.26	Peak
2	5350.00	41.55	8.01	49.56	54.00	4.44	Average

802.11ac40, 5310MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2A low channel 5270MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

Date: 2026-02-05



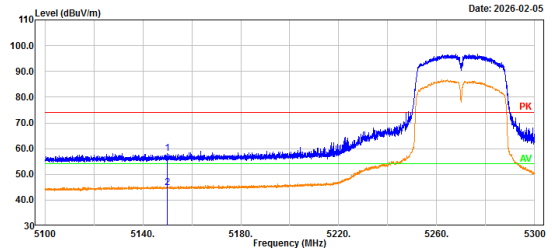
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	50.41	7.47	57.88	74.00	16.12	Peak
2	5150.00	37.21	7.47	44.68	54.00	9.32	Average

802.11ac40, 5310MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2A low channel 5270MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

Date: 2026-02-05

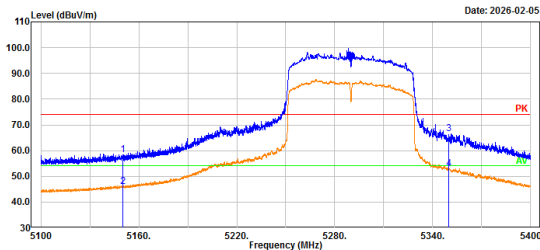


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	50.51	7.47	57.98	74.00	16.02	Peak
2	5150.00	37.38	7.47	44.85	54.00	9.15	Average

802.11ac80, 5290MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DNL-2
Tester: Leo Xiao

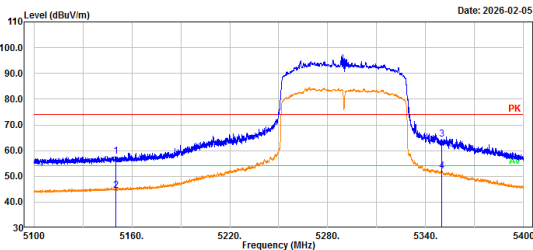


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	51.03	7.47	58.50	74.00	15.50	Peak
2	5150.00	38.53	7.47	46.00	54.00	8.00	Average
3	5350.00	58.44	8.01	66.45	74.00	7.55	Peak
4	5350.00	44.86	8.01	52.87	54.00	1.13	Average

802.11ac80, 5290MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2A middle channel 5290MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

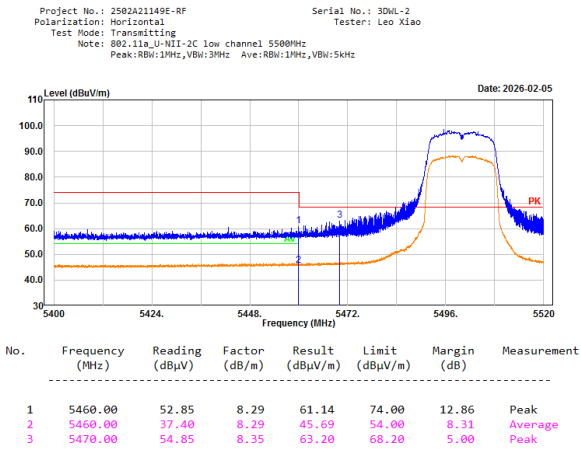
Serial No.: 3DNL-2
Tester: Leo Xiao



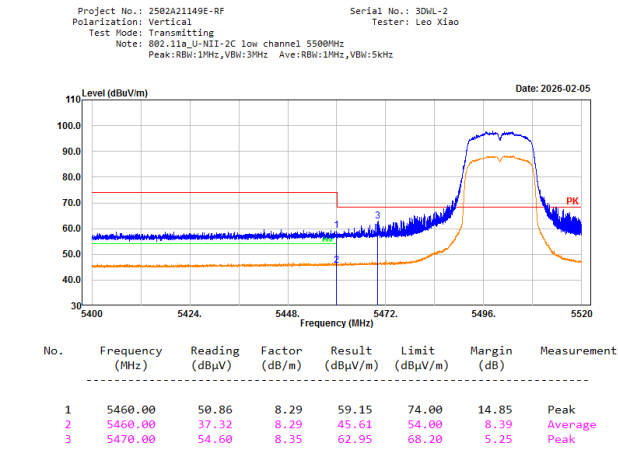
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5150.00	50.24	7.47	57.71	74.00	16.29	Peak
2	5150.00	37.09	7.47	44.56	54.00	9.44	Average
3	5350.00	56.47	8.01	64.48	74.00	9.52	Peak
4	5350.00	43.96	8.01	51.97	54.00	2.03	Average

5470-5725MHz:

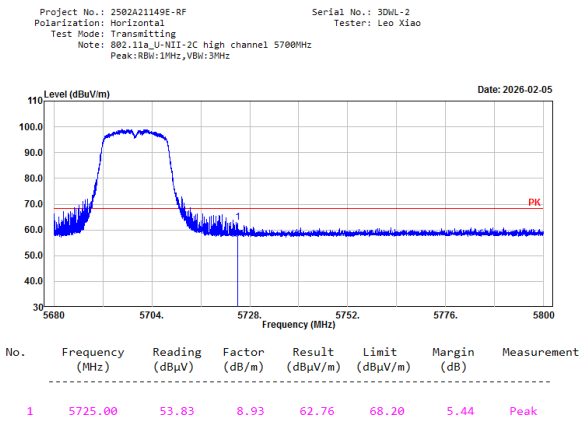
802.11a, 5500MHz, Bandedge, Horizontal



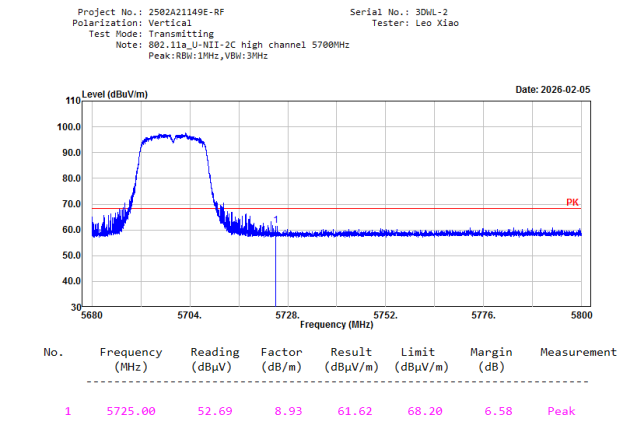
802.11a, 5500MHz, Bandedge, Vertical



802.11a, 5700MHz, Bandedge, Horizontal



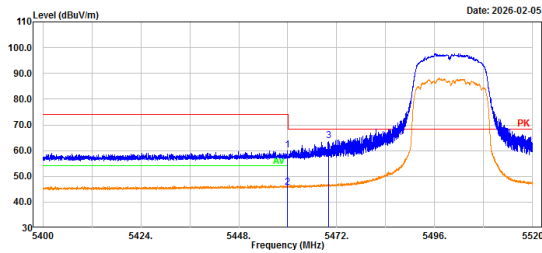
802.11a, 5700MHz, Bandedge, Vertical



802. 11ac20, 5500MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C low channel 5500MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

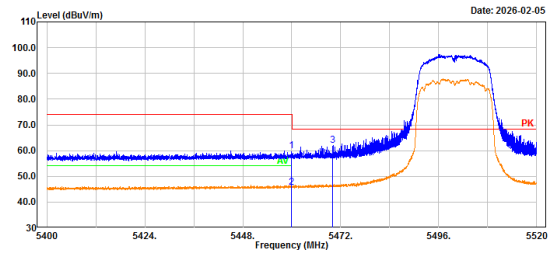


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5460.00	51.89	8.29	60.18	74.00	13.82	Peak
2	5460.00	37.36	8.29	45.65	54.00	8.35	Average
3	5470.00	55.55	8.35	63.90	68.20	4.30	Peak

802. 11ac20, 5500MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C low channel 5500MHz
Peak: RBW:1MHz, VBW:3MHz Ave: RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

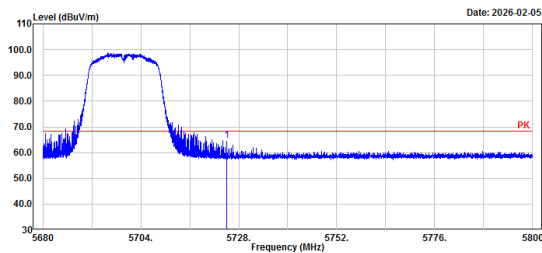


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5460.00	51.55	8.29	59.84	74.00	14.16	Peak
2	5460.00	37.33	8.29	45.62	54.00	8.38	Average
3	5470.00	53.52	8.35	61.87	68.20	6.33	Peak

802. 11ac20, 5700MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DWL-2
Tester: Leo Xiao

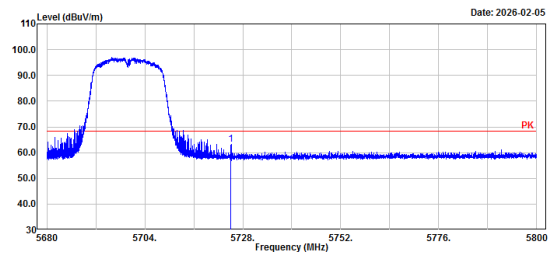


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	55.65	8.93	64.58	68.20	3.62	Peak

802. 11ac20, 5700MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac20_U-NII-2C high channel 5700MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DWL-2
Tester: Leo Xiao

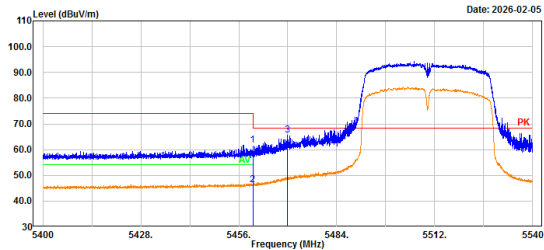


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	54.23	8.93	63.16	68.20	5.04	Peak

802. 11ac40, 5510MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C low channel 5510MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DNL-2
Tester: Leo Xiao

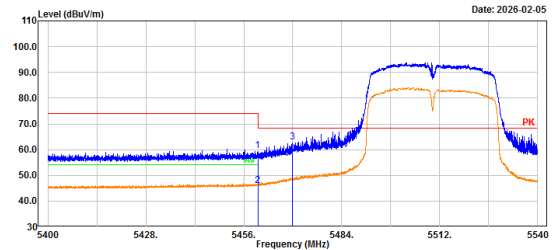


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5460.00	53.47	8.29	61.76	74.00	12.24	Peak
2	5460.00	37.89	8.29	46.18	54.00	7.82	Average
3	5470.00	57.17	8.35	65.52	68.20	2.68	Peak

802. 11ac40, 5510MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C low channel 5510MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DNL-2
Tester: Leo Xiao

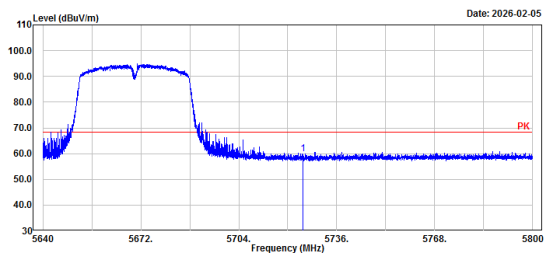


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5460.00	51.41	8.29	59.70	74.00	14.30	Peak
2	5460.00	37.78	8.29	46.07	54.00	7.93	Average
3	5470.00	54.66	8.35	63.01	68.20	5.19	Peak

802. 11ac40, 5670MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C high channel 5670MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DNL-2
Tester: Leo Xiao

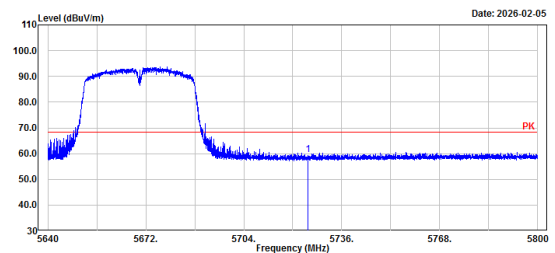


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	51.04	8.93	59.97	68.20	8.23	Peak

802. 11ac40, 5670MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac40_U-NII-2C high channel 5670MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DNL-2
Tester: Leo Xiao

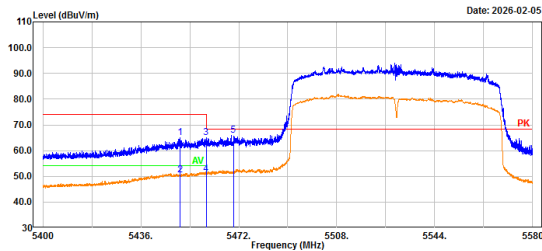


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	50.60	8.93	59.53	68.20	8.67	Peak

802.11ac80, 5530MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C low channel 5530MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

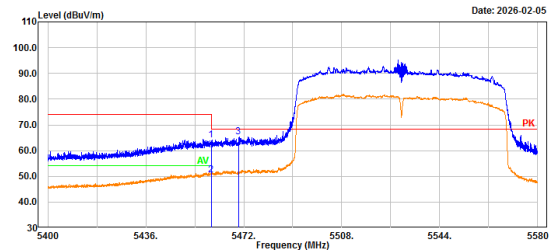


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5450.54	56.71	8.25	64.96	74.00	9.04	Peak
2	5450.54	42.15	8.25	50.40	54.00	3.60	Average
3	5460.00	56.80	8.29	65.09	74.00	8.91	Peak
4	5460.00	42.42	8.29	50.71	54.00	3.29	Average
5	5470.00	57.47	8.35	65.82	68.20	2.38	Peak

802.11ac80, 5530MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C low channel 5530MHz
Peak: RBW:1MHz, VBW:3MHz Ave:RBW:1MHz, VBW:5kHz

Serial No.: 3DWL-2
Tester: Leo Xiao

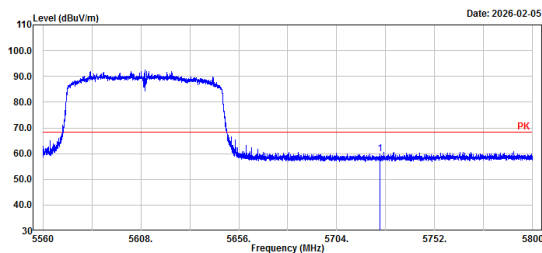


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5460.00	55.94	8.29	64.23	74.00	9.77	Peak
2	5460.00	42.35	8.29	50.64	54.00	3.36	Average
3	5470.00	57.03	8.35	65.38	68.20	2.82	Peak

802.11ac80, 5610MHz, Bandedge, Horizontal

Project No.: 2502A21149E-RF
Polarization: Horizontal
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C high channel 5610MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DWL-2
Tester: Leo Xiao

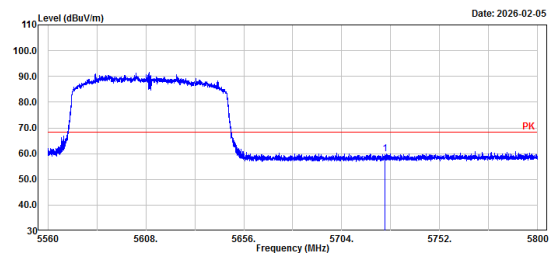


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	50.91	8.93	59.84	68.20	8.36	Peak

802.11ac80, 5610MHz, Bandedge, Vertical

Project No.: 2502A21149E-RF
Polarization: Vertical
Test Mode: Transmitting
Note: 802.11ac80_U-NII-2C high channel 5610MHz
Peak: RBW:1MHz, VBW:3MHz

Serial No.: 3DWL-2
Tester: Leo Xiao



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Measurement
1	5725.00	51.09	8.93	60.02	68.20	8.18	Peak

5.3 Emission Bandwidth

Serial No.:	3DWL-2	Test Date:	2026/02/04~2026/03/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.8~23.2	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	101.5~101.6
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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	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27
JD	Test software	JD Auto Test System	V1.0	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:

26dB Emission Bandwidth
5150-5250MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5180	19.870
	5200	20.241
	5240	20.341
802.11ac20	5180	20.798
	5200	20.951
	5240	21.106
802.11ac40	5190	45.145
	5230	46.446
802.11ac80	5210	81.882

5250-5350MHz

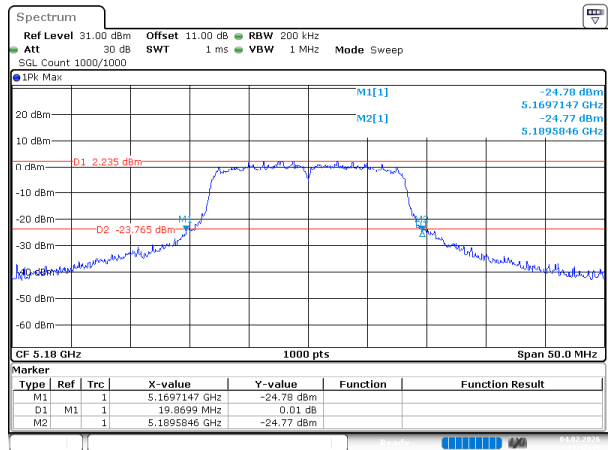
Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5260	20.039
	5280	20.132
	5320	19.920
802.11ac20	5260	21.003
	5280	20.901
	5320	21.416
802.11ac40	5270	44.244
	5310	41.842
802.11ac80	5290	85.686

5470-5725MHz

Mode	Test Frequency (MHz)	Result (MHz)
802.11a	5500	19.770
	5600	19.620
	5700	19.770
	5720	19.770
802.11ac20	5500	20.797
	5600	20.748
	5700	21.049
	5720	20.796
802.11ac40	5510	42.442
	5590	43.544
	5670	43.343
	5710	43.143
802.11ac80	5530	82.082
	5610	82.082
	5690	82.482

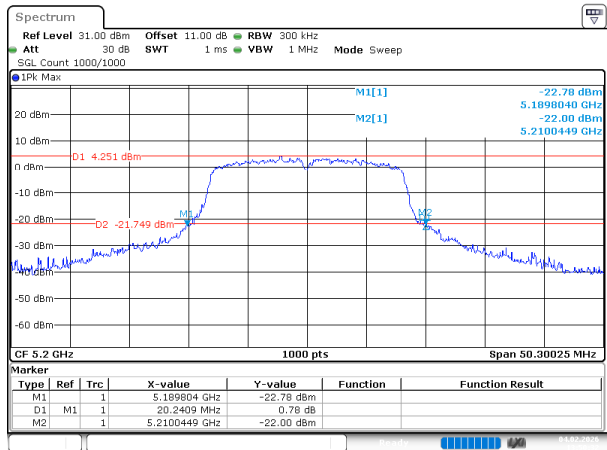
5150-5250MHz

802.11a_5180MHz



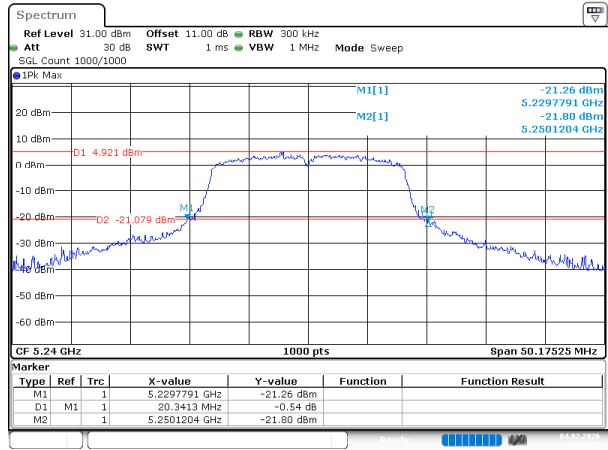
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:47:50

802.11a_5200MHz



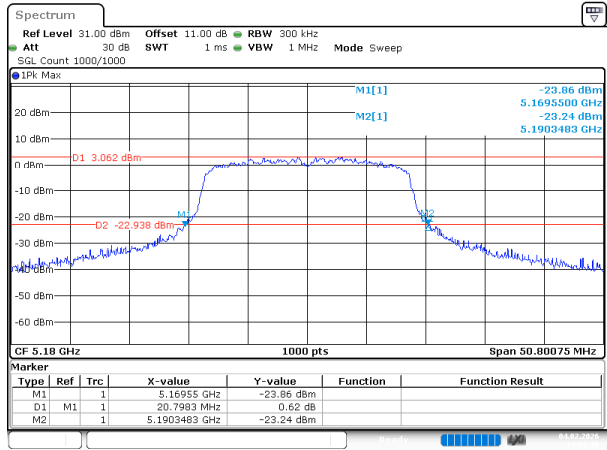
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Date: 4.FEB.2026 13:50:33

802.11a_5240MHz



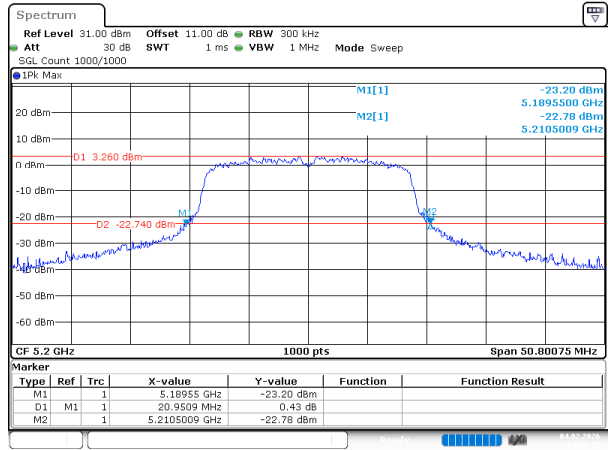
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Date: 4.FEB.2026 13:52:53

802.11ac20_5180MHz



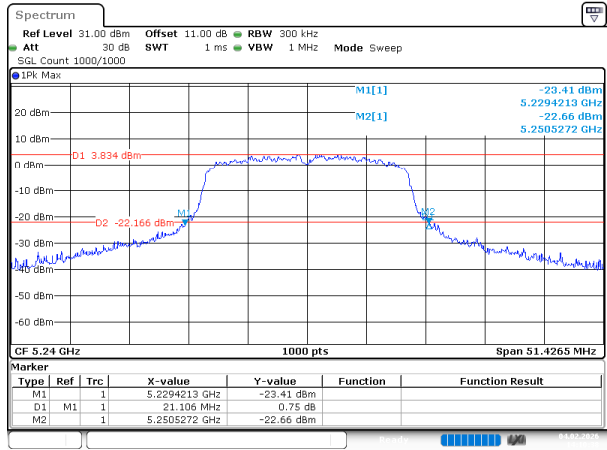
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Date: 4.FEB.2026 14:06:50

802.11ac20_5200MHz



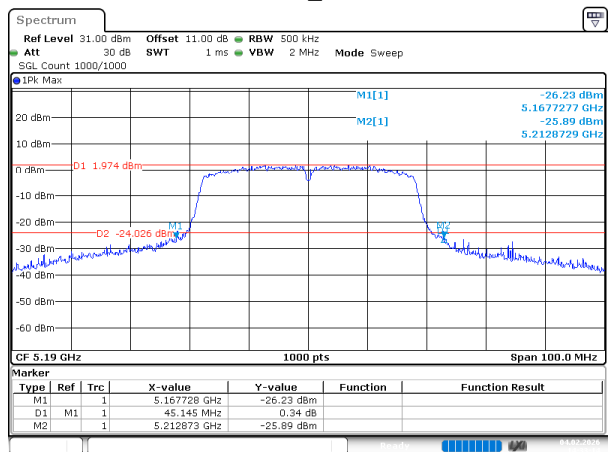
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Date: 4.FEB.2026 14:09:12

802.11ac20_5240MHz



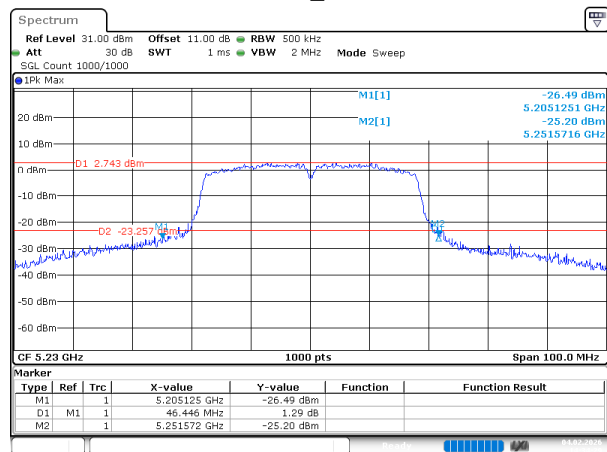
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 14:10:38

802.11ac40_5190MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 14:33:14

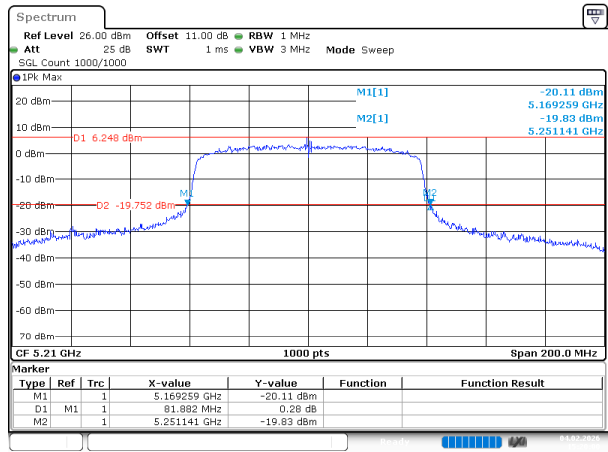
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ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 14:34:30

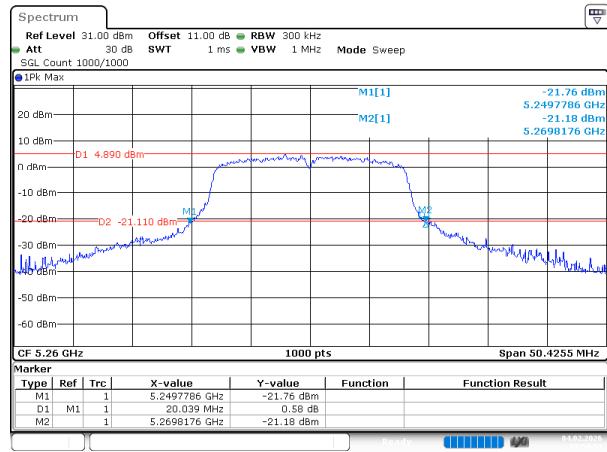
5250-5350MHz

802.11ac80_5210MHz



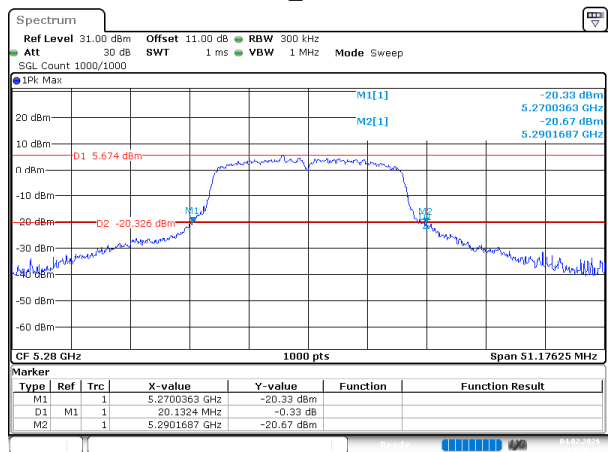
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Date: 4.FEB.2026 15:20:01

802.11a_5260MHz



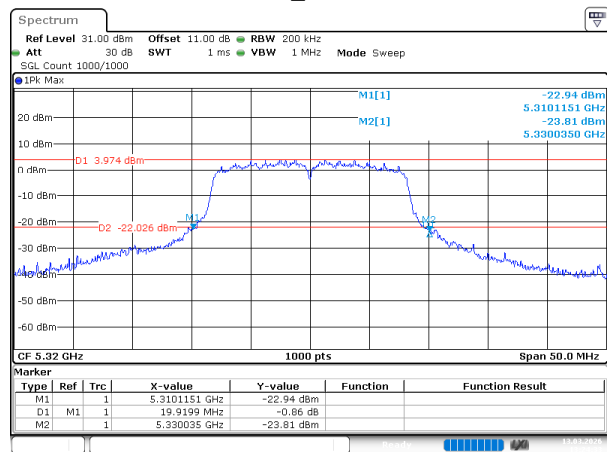
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:54:31

802.11a_5280MHz



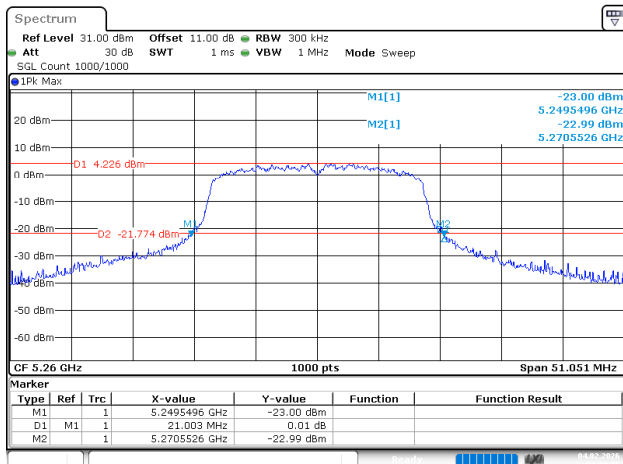
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:56:19

802.11a_5320MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 13.MAR.2026 13:24:33

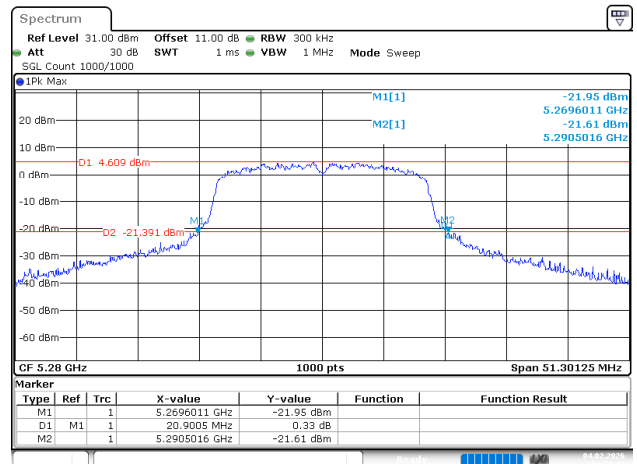
802.11ac20_5260MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:12:16

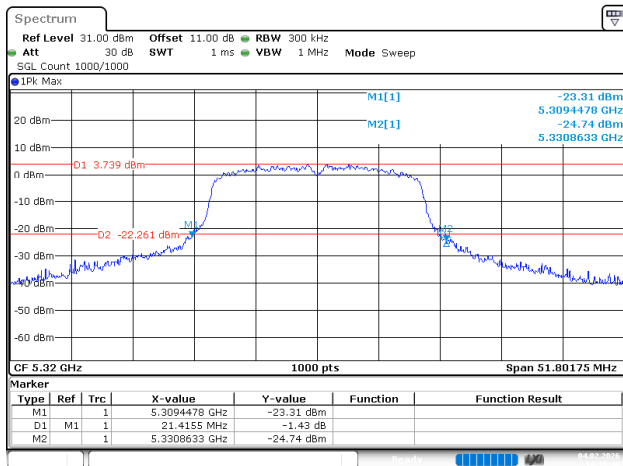
802.11ac20_5280MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:13:43

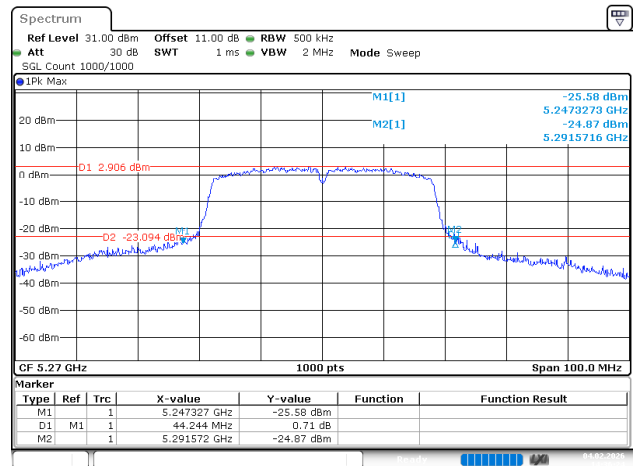
802.11ac20_5320MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:18:49

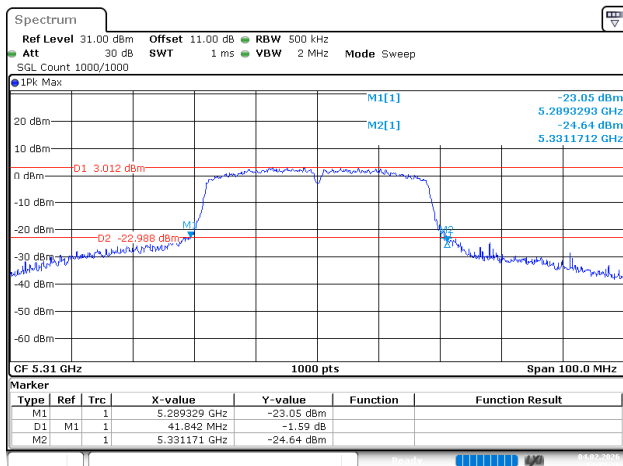
802.11ac40_5270MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:36:25

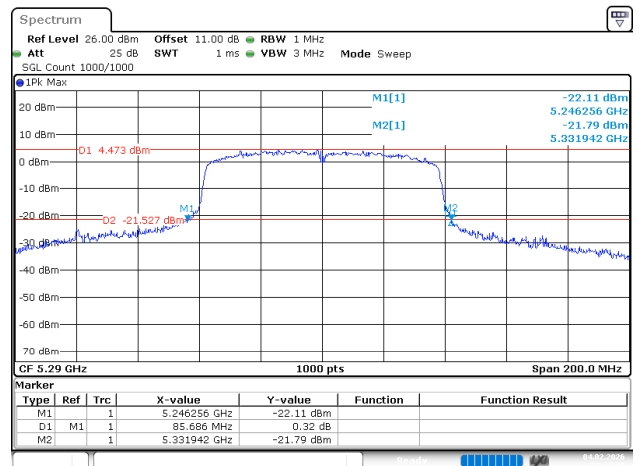
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ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:37:28

802.11ac80_5290MHz

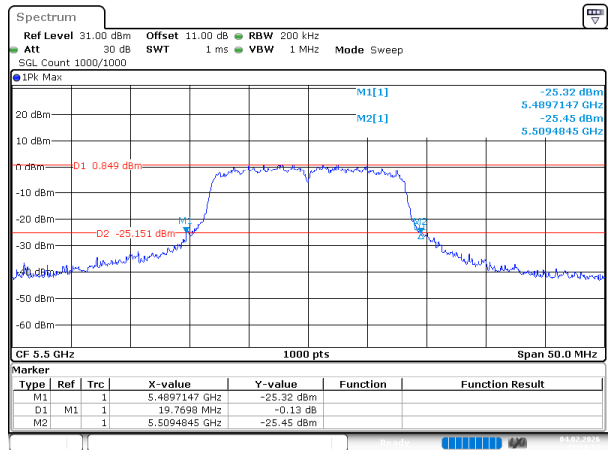


ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 15:21:31

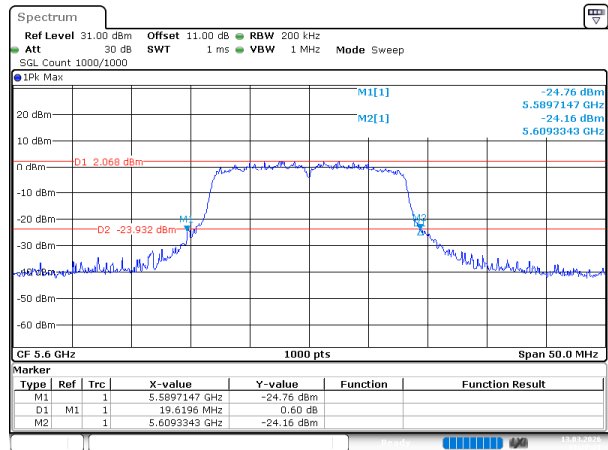
5470-5725MHz

802.11a_5500MHz



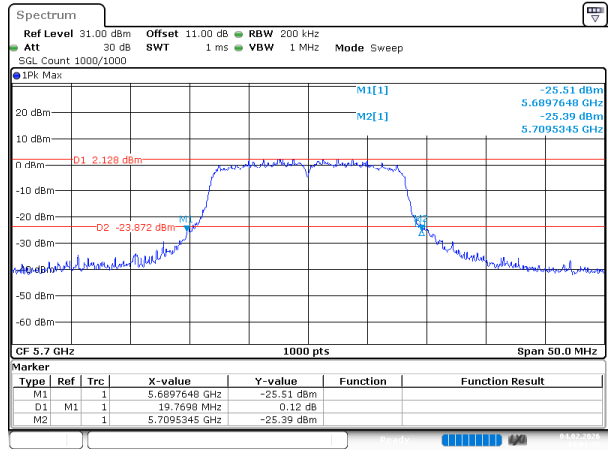
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Date: 4.FEB.2026 13:58:58

802.11a_5600MHz



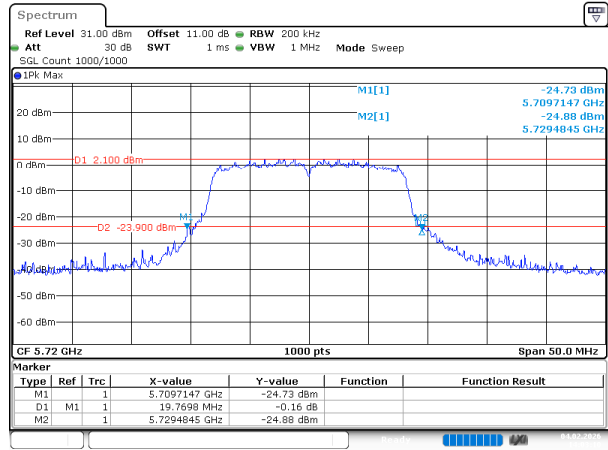
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Date: 13.MAR.2026 13:27:21

802.11a_5700MHz



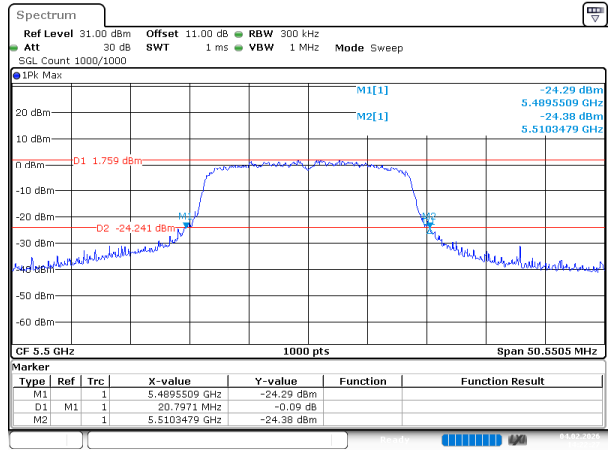
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Date: 4.FEB.2026 14:01:52

802.11a_5720MHz



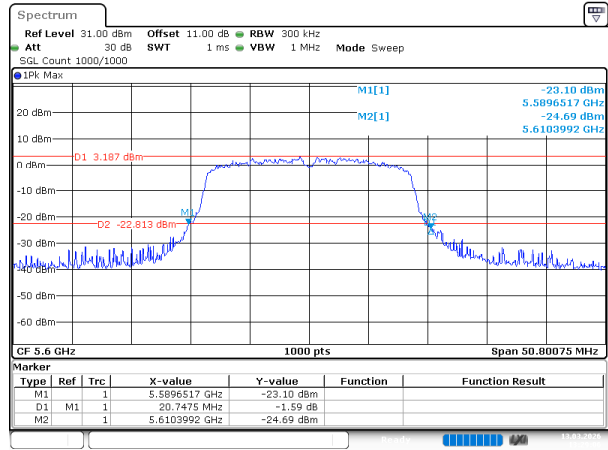
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Date: 4.FEB.2026 14:03:10

802.11ac20_5500MHz



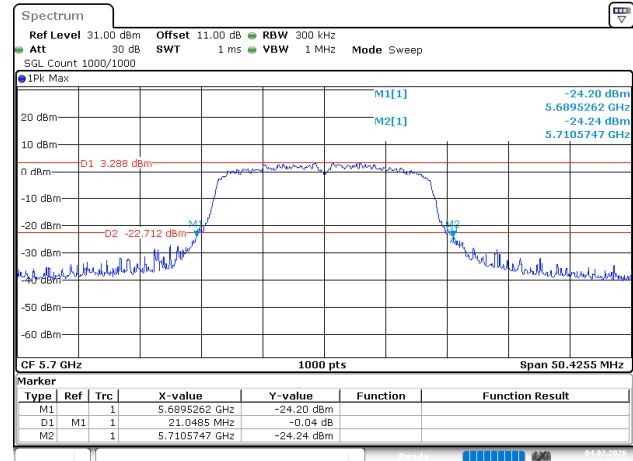
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
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802.11ac20_5600MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
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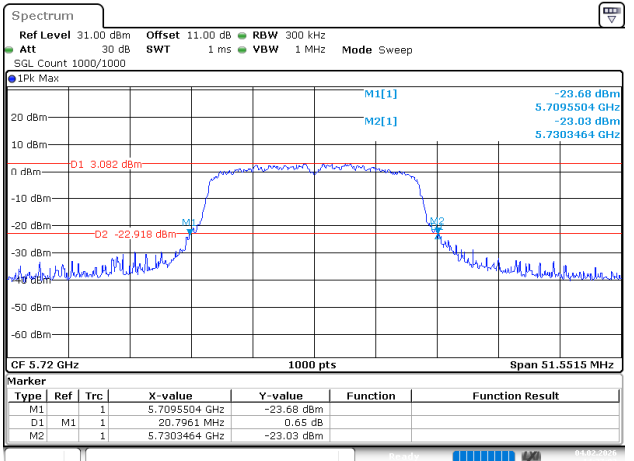
802.11ac20_5700MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:25:31

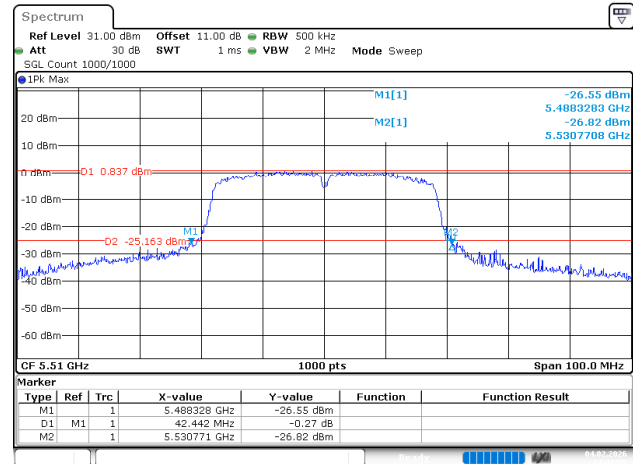
802.11ac20_5720MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:27:02

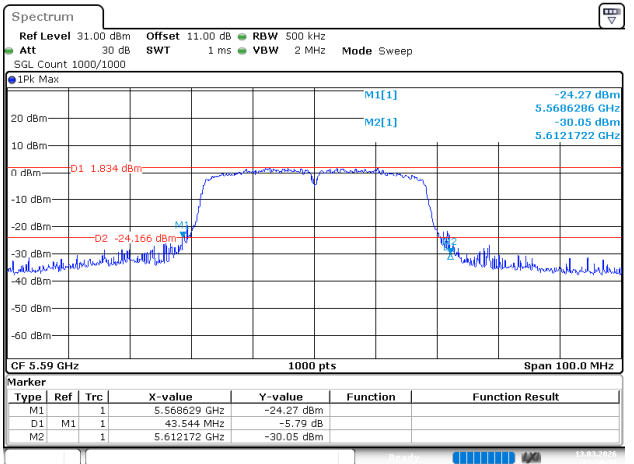
802.11ac40_5510MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 4.FEB.2026 14:41:55

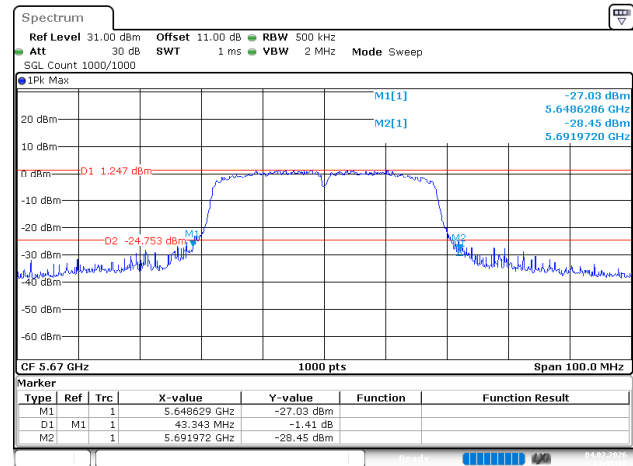
802.11ac40_5590MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

Date: 13.MAR.2026 13:30:33

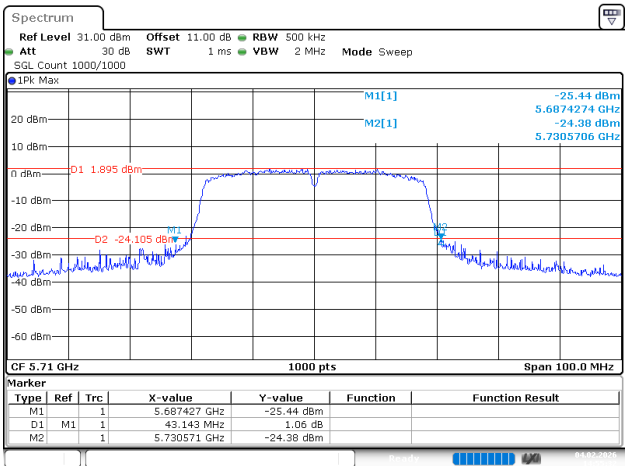
802.11ac40_5670MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

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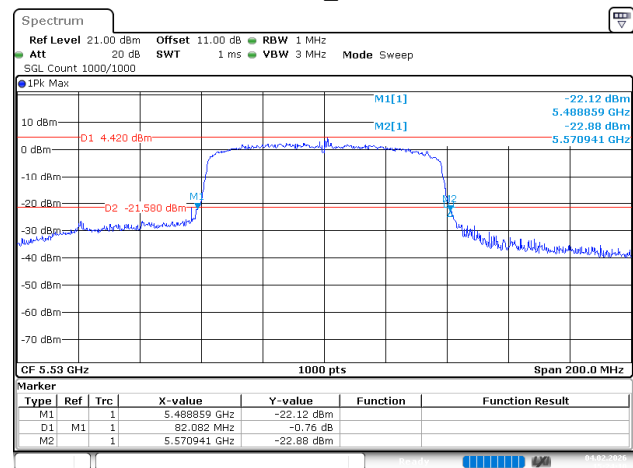
802.11ac40_5710MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou

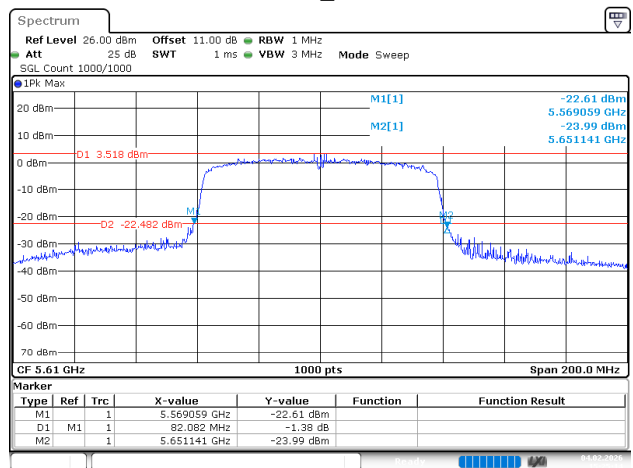
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802.11ac80_5530MHz



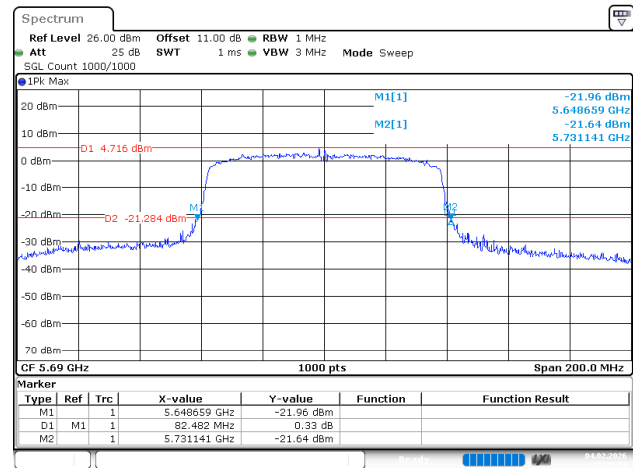
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:24:11

802.11ac80_5610MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:25:14

802.11ac80_5690MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:25:54

5.4 99% Occupied Bandwidth

Serial No.:	3DWL-2	Test Date:	2026/02/04~2026/03/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	22.8~23.2	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	101.5~101.6
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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	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27
JD	Test software	JD Auto Test System	V1.0	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:**5150-5250MHz**

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5180	16.250
	5200	16.250
	5240	16.300
802.11ac20	5180	17.400
	5200	17.400
	5240	17.400
802.11ac40	5190	35.900
	5230	35.800
802.11ac80	5210	75.200

Note:

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

5250-5350MHz

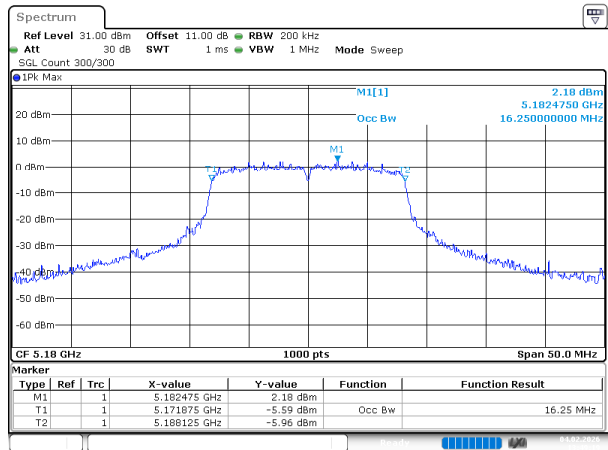
Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5260	16.300
	5280	16.300
	5320	16.300
802.11ac20	5260	17.400
	5280	17.400
	5320	17.400
802.11ac40	5270	35.900
	5310	35.900
802.11ac80	5290	75.200

5470-5725MHz

Mode	Test Frequency (MHz)	99% OBW (MHz)
802.11a	5500	16.250
	5600	16.200
	5700	16.200
	5720	16.200
802.11ac20	5500	17.400
	5600	17.400
	5700	17.400
	5720	17.400
802.11ac40	5510	35.900
	5590	35.900
	5670	35.900
	5710	35.800
802.11ac80	5530	75.200
	5610	75
	5690	75

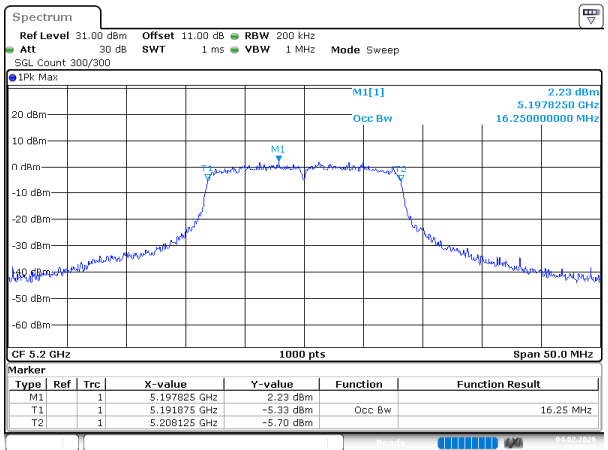
5150-5250MHz

802.11a_5180MHz



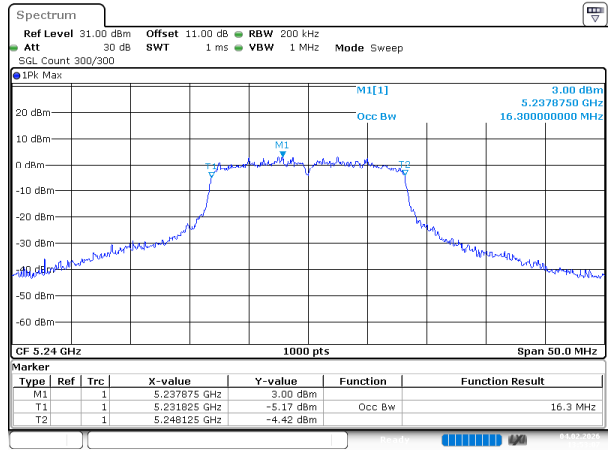
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:49:20

802.11a_5200MHz



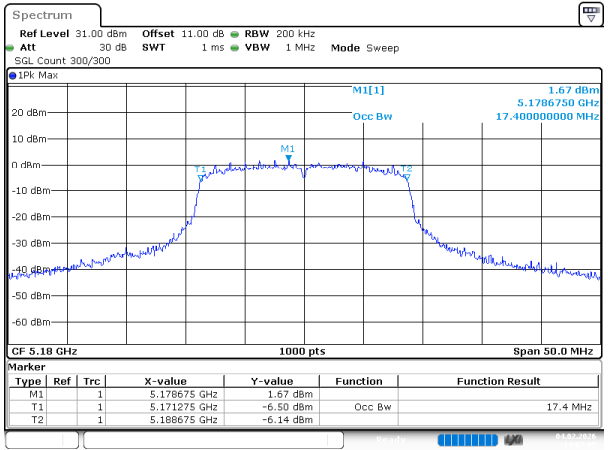
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802.11a_5240MHz



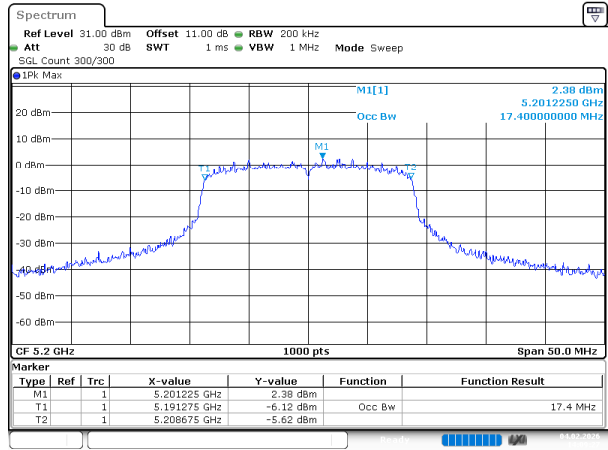
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802.11ac20_5180MHz



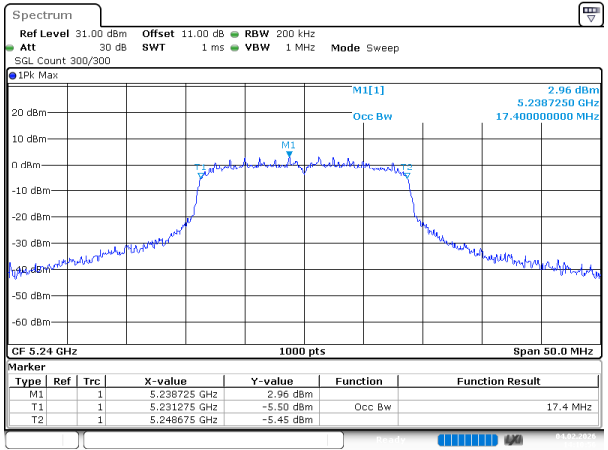
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802.11ac20_5200MHz



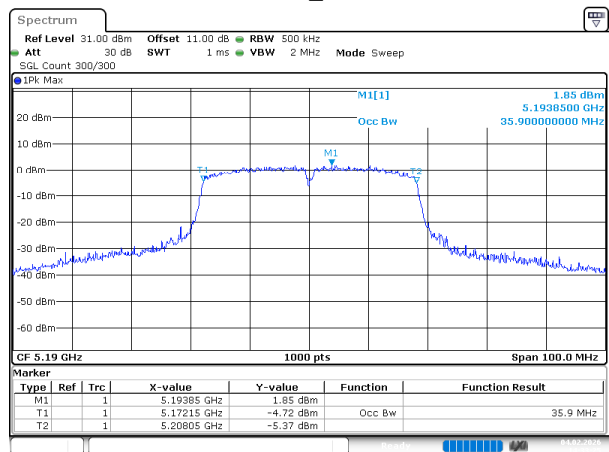
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802.11ac20_5240MHz

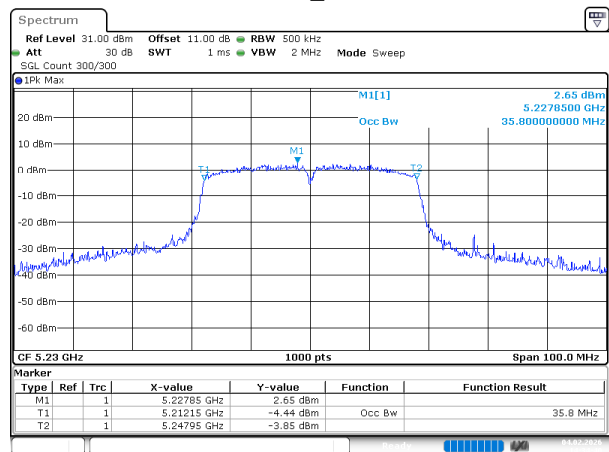


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Date: 4.FEB.2026 14:10:57

802.11ac40_5190MHz

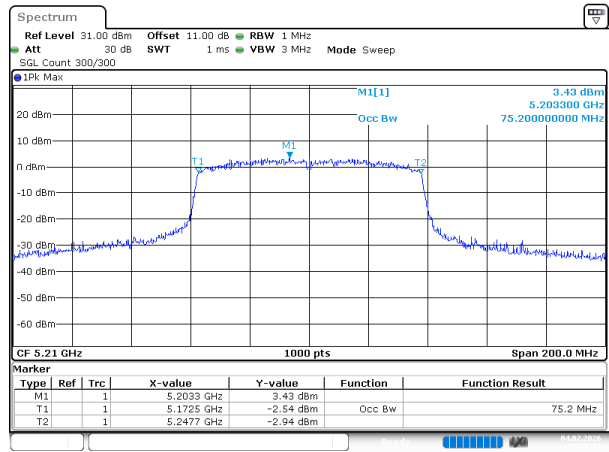


802.11ac40_5230MHz

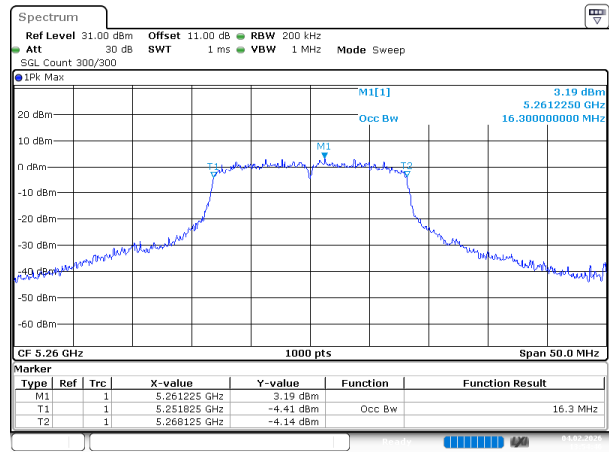


5250-5350MHz

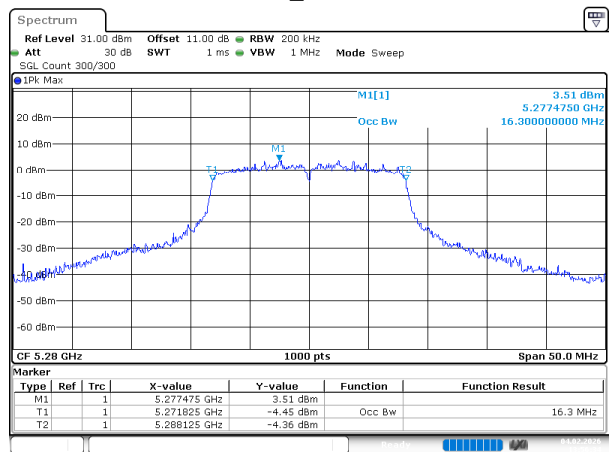
802.11ac80_5210MHz



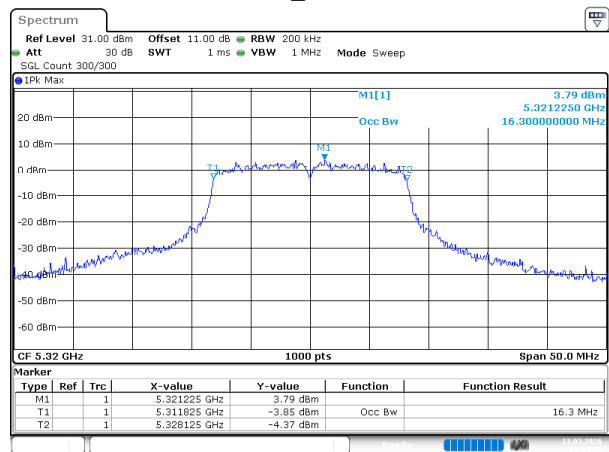
802.11a_5260MHz



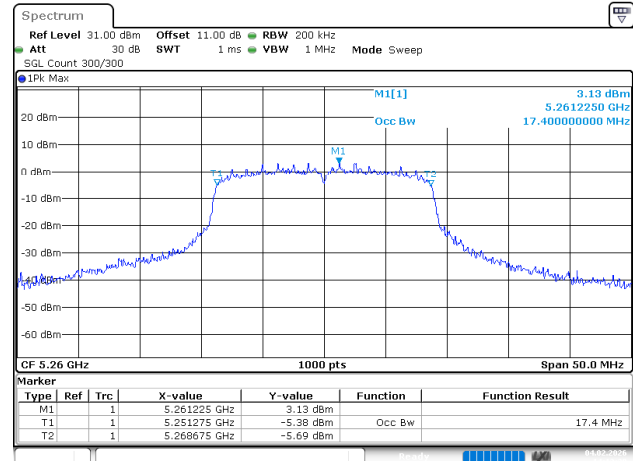
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802.11a_5320MHz

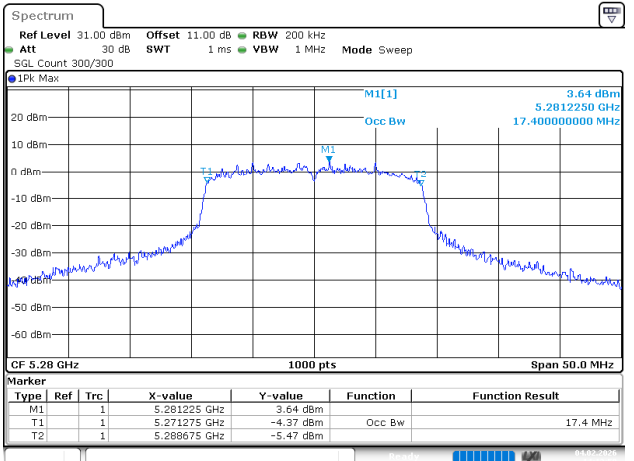


802.11ac20_5260MHz



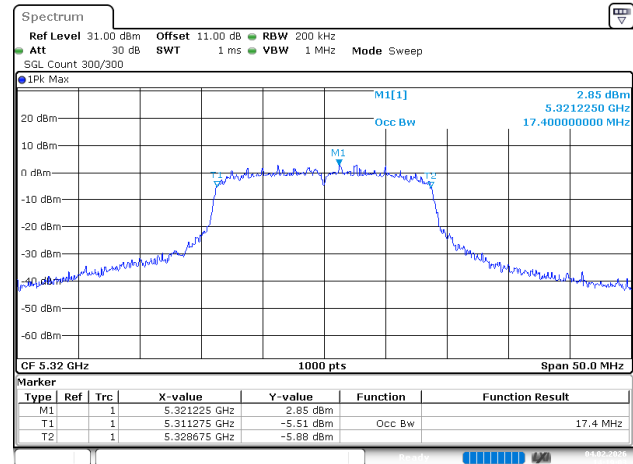
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802.11ac20_5280MHz



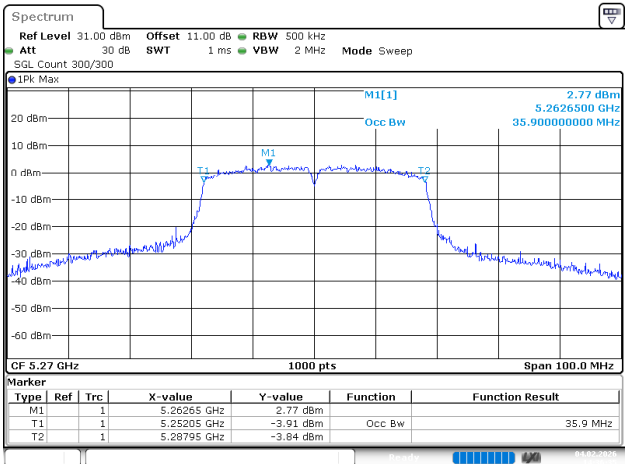
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802.11ac20_5320MHz



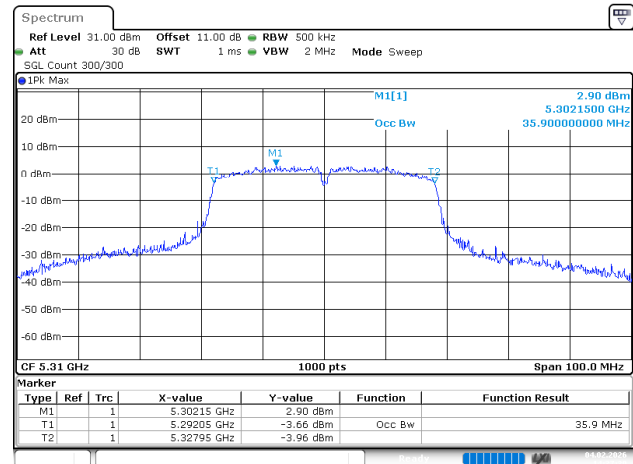
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802.11ac40_5270MHz



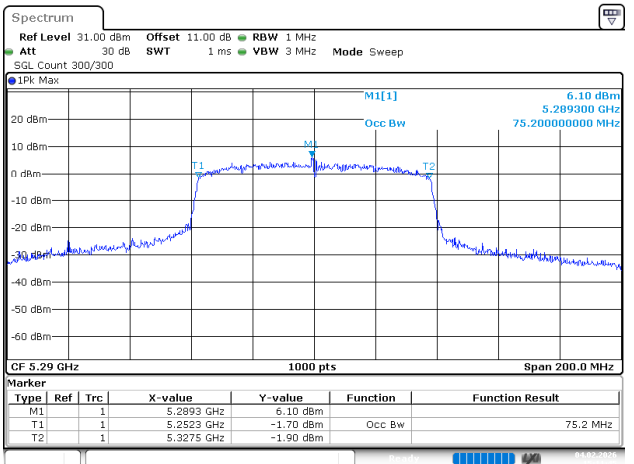
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802.11ac40_5310MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 14:37:40

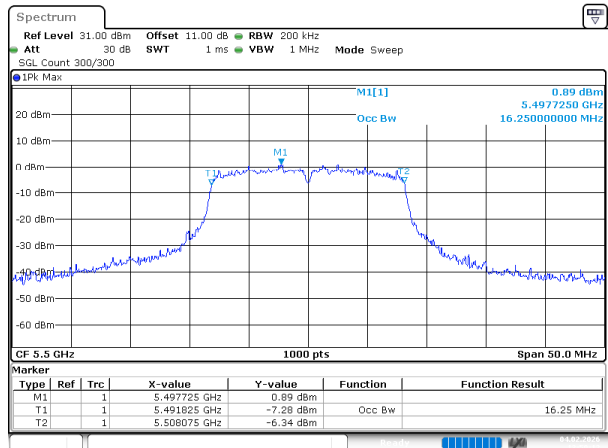
802.11ac80_5290MHz



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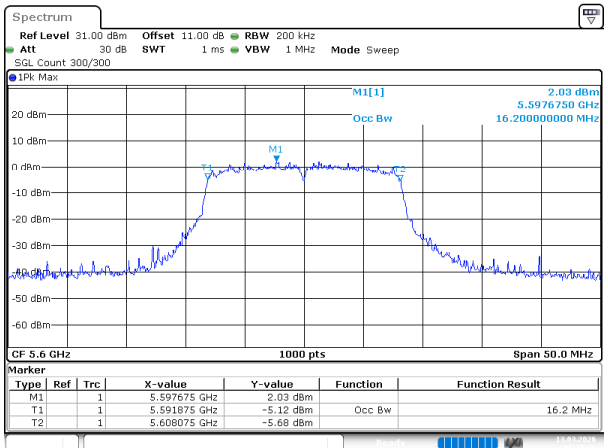
5470-5725MHz

802.11a_5500MHz



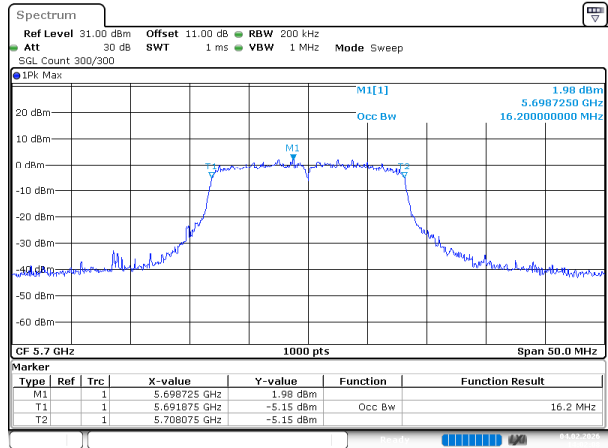
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802.11a_5600MHz



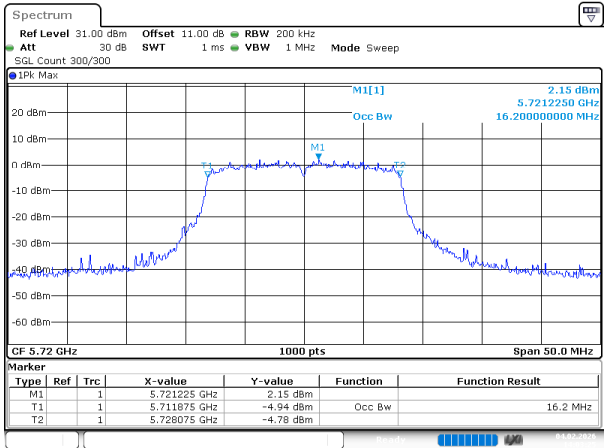
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Date: 13.MAR.2026 13:27:36

802.11a_5700MHz



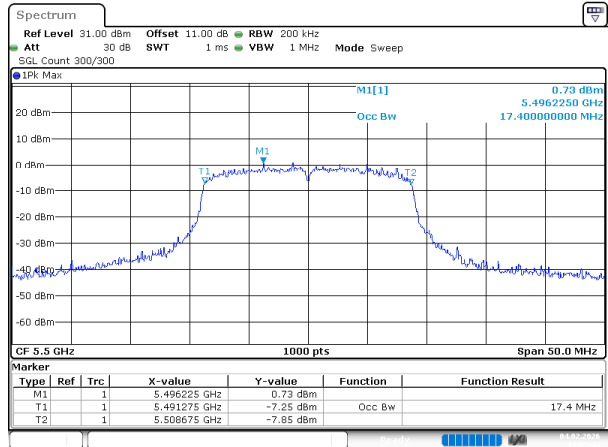
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802.11a_5720MHz



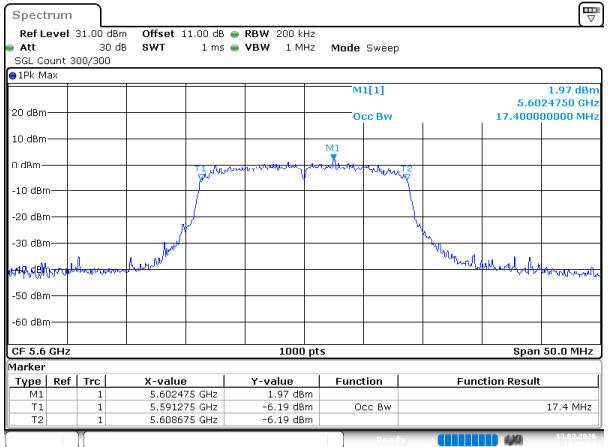
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802.11ac20_5500MHz



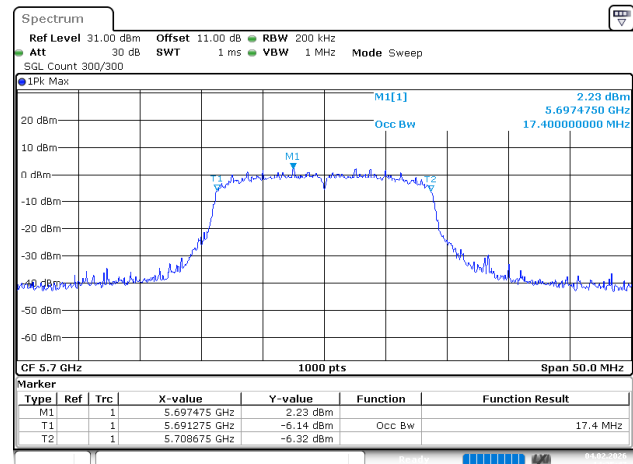
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802.11ac20_5600MHz



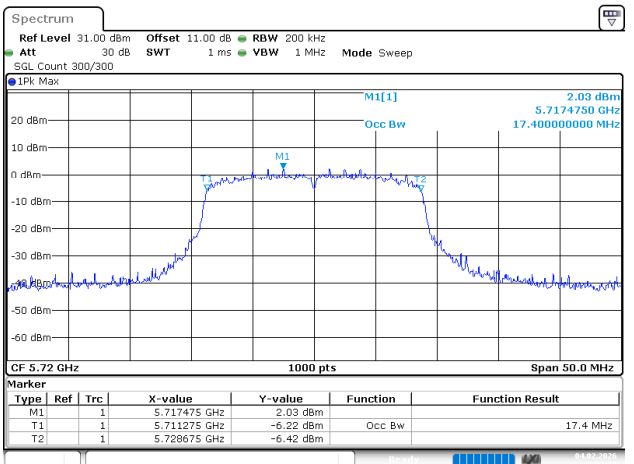
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802.11ac20_5700MHz



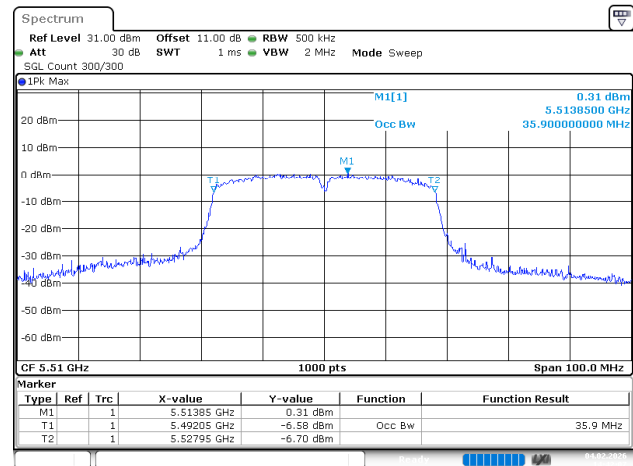
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802.11ac20_5720MHz



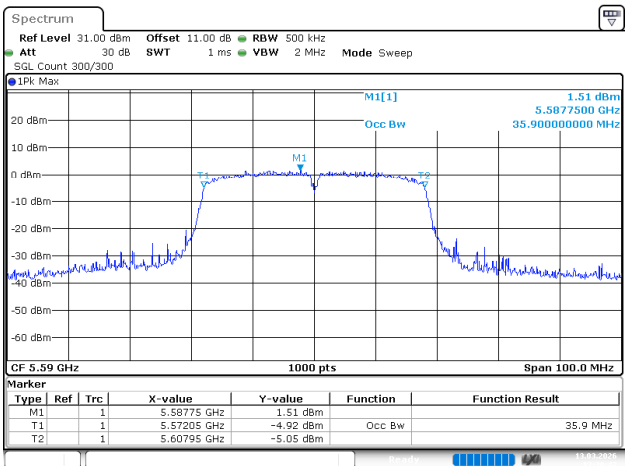
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802.11ac40_5510MHz



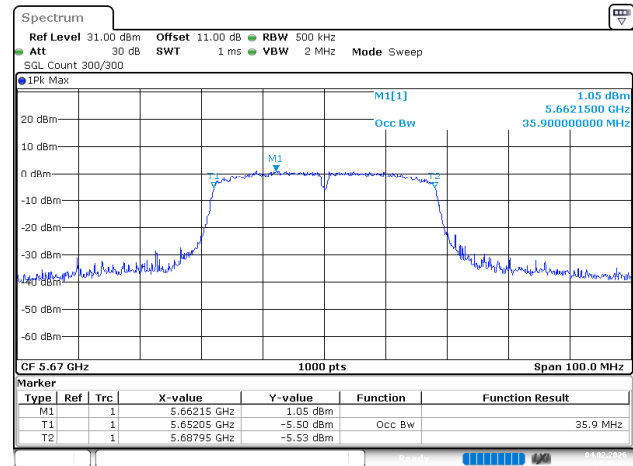
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802.11ac40_5590MHz



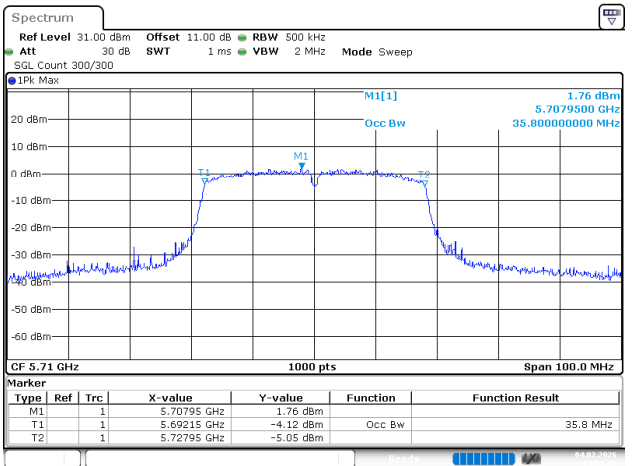
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802.11ac40_5670MHz



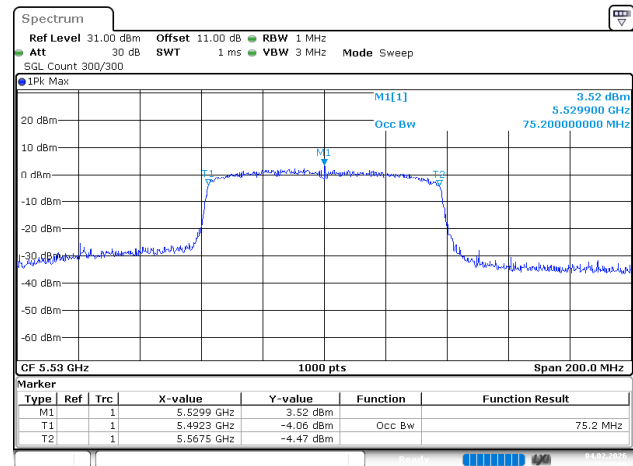
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802.11ac40_5710MHz



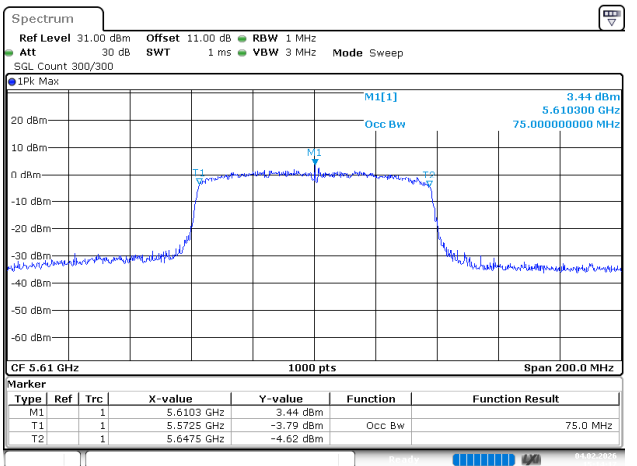
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802.11ac80_5530MHz



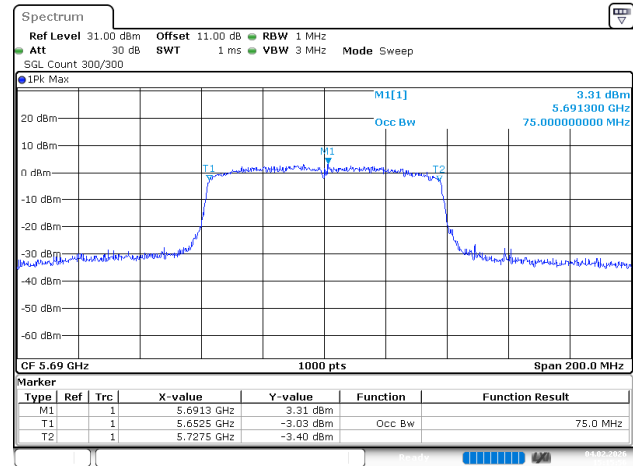
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802.11ac80_5610MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:14:18

802.11ac80_5690MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:15:56

5.5 Maximum Conducted Output Power

Serial No.:	3DWL-2	Test Date:	2026/02/04~2026/03/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.8~23.2	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	101.5~101.6
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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	2025/06/06	2026/06/05
Anritsu	Microwave Peak Power Sensor	MA24418A	12618	2025/06/11	2026/06/10

* 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
802.11a	5180	11.63	24	Pass
	5200	11.43	24	Pass
	5240	12.31	24	Pass
802.11ac20	5180	11.12	24	Pass
	5200	11.32	24	Pass
	5240	11.96	24	Pass
802.11ac40	5190	11.33	24	Pass
	5230	12.23	24	Pass
802.11ac80	5210	11.69	24	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5260	12.53	24	Pass
	5280	12.85	24	Pass
	5320	13.21	24	Pass
802.11ac20	5260	12.04	24	Pass
	5280	11.07	24	Pass
	5320	11.86	24	Pass
802.11ac40	5270	12.48	24	Pass
	5310	12.5	24	Pass
802.11ac80	5290	12.65	24	Pass

5470-5725MHz

Mode	Test Frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Verdict
802.11a	5500	10.1	24	Pass
	5600	11.38	24	Pass
	5700	11.55	24	Pass
	5720	10.71	24	Pass
802.11ac20	5500	9.86	24	Pass
	5600	11.07	24	Pass
	5700	11.33	24	Pass
	5720	10.47	24	Pass
802.11ac40	5510	9.96	24	Pass
	5590	11.37	24	Pass
	5670	11.03	24	Pass
	5710	11.29	24	Pass
802.11ac80	5530	10.5	24	Pass
	5610	10.15	24	Pass
	5690	11.32	24	Pass

5.6 Power Spectral Density

Serial No.:	3DWL-2	Test Date:	2026/02/04~2026/03/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.8~23.2	Relative Humidity: (%)	47~49	ATM Pressure: (kPa)	101.5~101.6
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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	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27
JD	Test software	JD Auto Test System	V1.0	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:

5150-5250MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5180	0.58	0.35	0.93	11	Pass
	5200	0.68	0.35	1.03	11	Pass
	5240	1.57	0.35	1.92	11	Pass
802.11ac20	5180	0.48	0.22	0.70	11	Pass
	5200	0.63	0.22	0.85	11	Pass
	5240	1.18	0.22	1.40	11	Pass
802.11ac40	5190	-3.03	0.71	-2.32	11	Pass
	5230	-2.15	0.71	-1.44	11	Pass
802.11ac80	5210	-6.24	1.04	-5.20	11	Pass

5250-5350MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5260	1.98	0.35	2.33	11	Pass
	5280	2.19	0.35	2.54	11	Pass
	5320	2.25	0.35	2.60	11	Pass
802.11ac20	5260	1.28	0.22	1.50	11	Pass
	5280	0.28	0.22	0.50	11	Pass
	5320	0.91	0.22	1.13	11	Pass
802.11ac40	5270	-1.55	0.71	-0.84	11	Pass
	5310	-2.01	0.71	-1.30	11	Pass
802.11ac80	5290	-5.10	1.04	-4.06	11	Pass

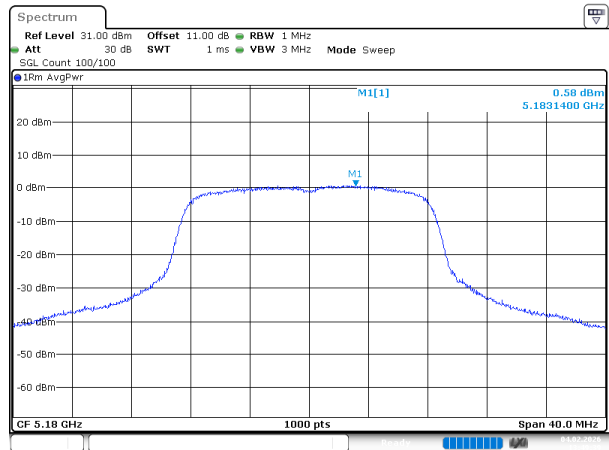
5470-5725MHz

Mode	Test Frequency (MHz)	Reading (dBm/MHz)	Duty Cycle Factor(dB)	Result (dBm/MHz)	Limit (dBm/MHz)	Verdict
802.11a	5500	-0.54	0.35	-0.19	11	Pass
	5600	0.42	0.35	0.77	11	Pass
	5700	1.08	0.35	1.43	11	Pass
	5720	0.50	0.35	0.85	11	Pass
802.11ac20	5500	-0.87	0.22	-0.65	11	Pass
	5600	0.23	0.22	0.45	11	Pass
	5700	0.65	0.22	0.87	11	Pass
	5720	0.37	0.22	0.59	11	Pass
802.11ac40	5510	-4.42	0.71	-3.71	11	Pass
	5590	-2.94	0.71	-2.23	11	Pass
	5670	-2.90	0.71	-2.19	11	Pass
	5710	-2.87	0.71	-2.16	11	Pass
802.11ac80	5530	-7.34	1.04	-6.30	11	Pass
	5610	-8.06	1.04	-7.02	11	Pass
	5690	-6.38	1.04	-5.34	11	Pass

Result = Reading + Duty Cycle Factor

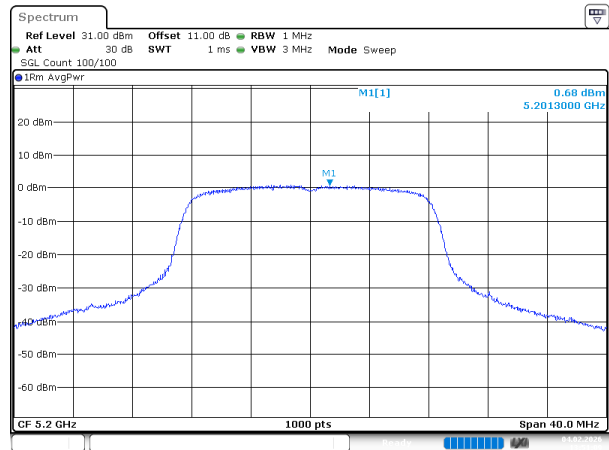
5150-5250MHz

802.11a_5180MHz



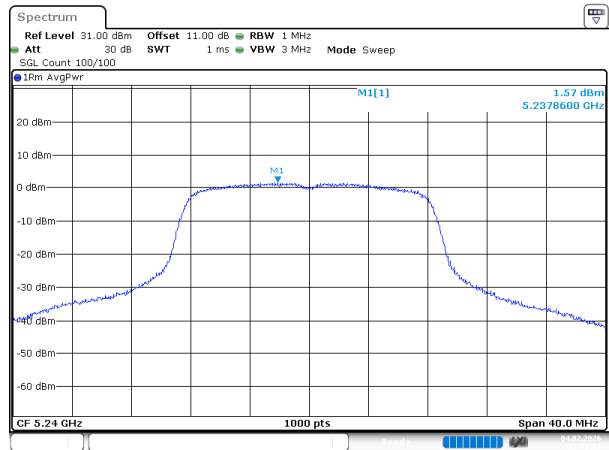
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802.11a_5200MHz



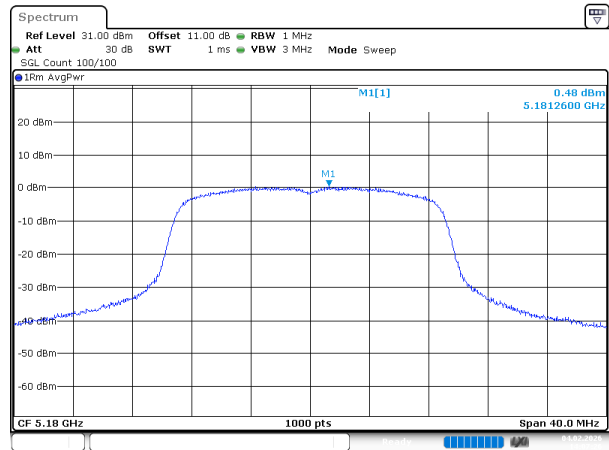
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802.11a_5240MHz



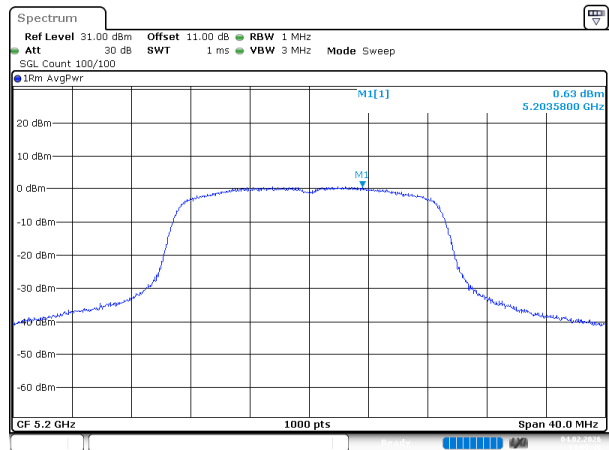
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802.11ac20_5180MHz



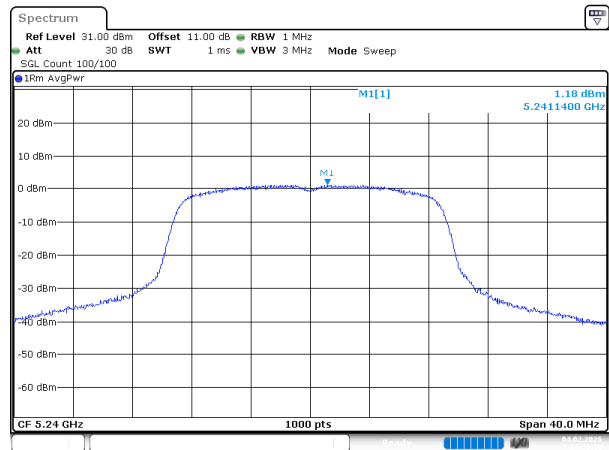
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802.11ac20_5200MHz



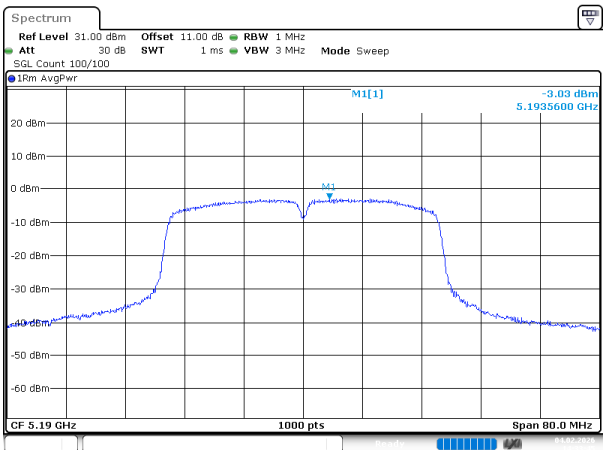
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802.11ac20_5240MHz



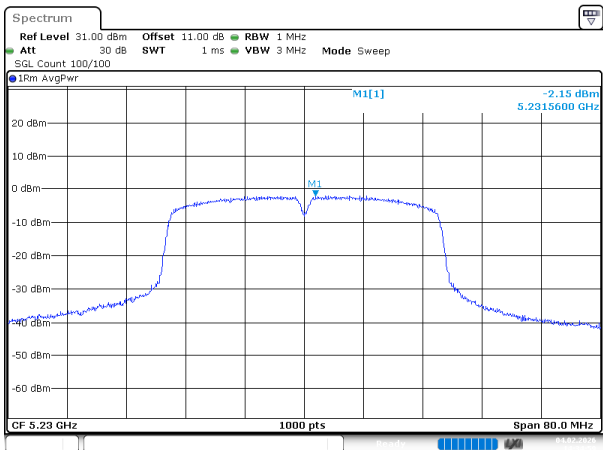
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802.11ac40_5190MHz



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Date: 4.FEB.2026 14:33:45

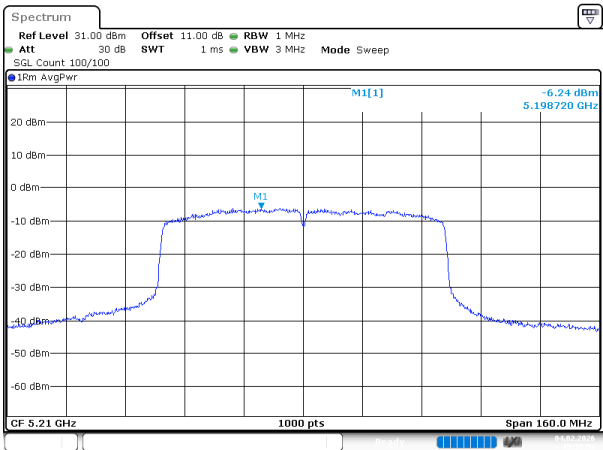
802.11ac40_5230MHz



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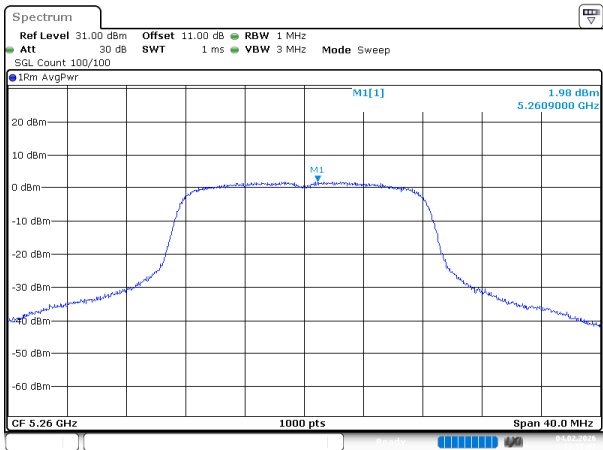
5250-5350MHz

802.11ac80_5210MHz



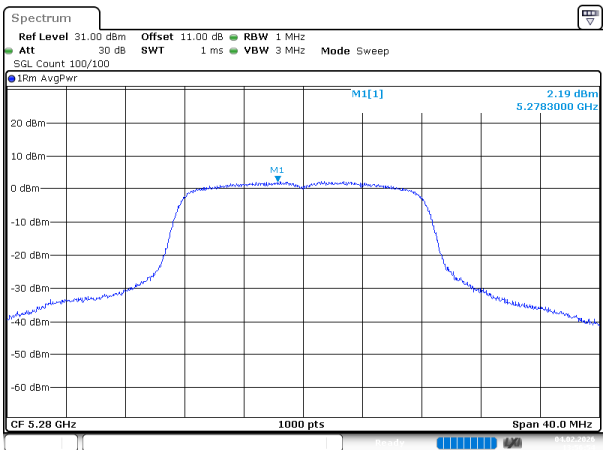
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Date: 4.FEB.2026 15:10:54

802.11a_5260MHz



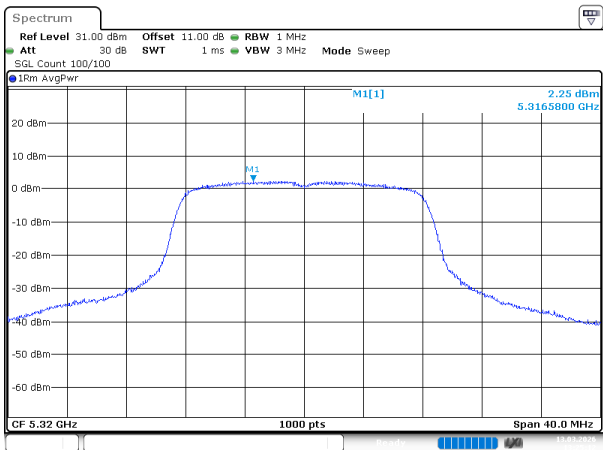
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:55:08

802.11a_5280MHz



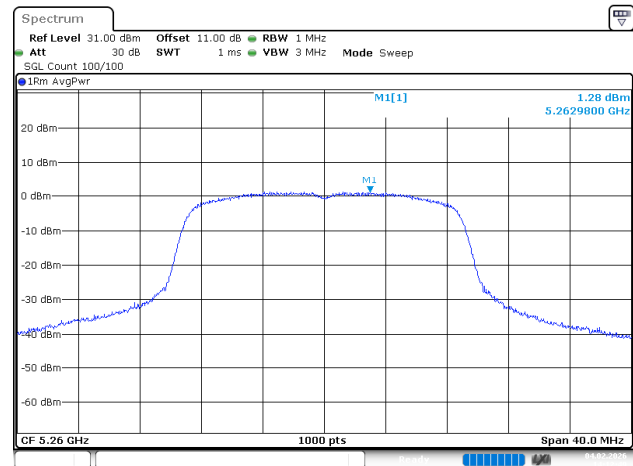
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Date: 4.FEB.2026 13:56:54

802.11a_5320MHz



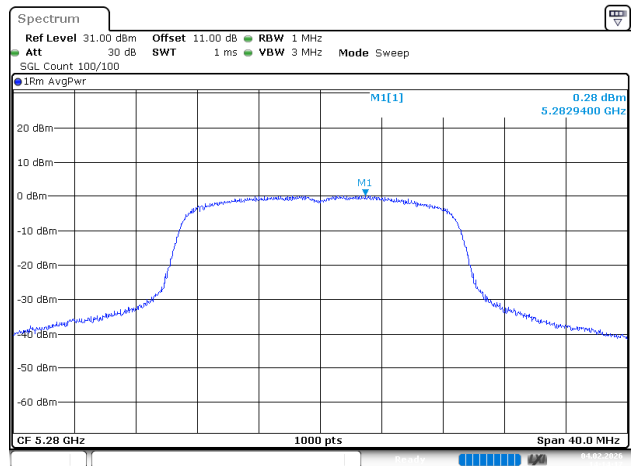
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802.11ac20_5260MHz



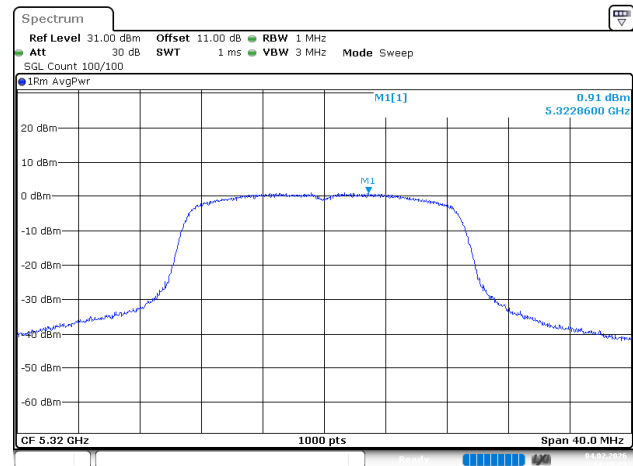
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802.11ac20_5280MHz



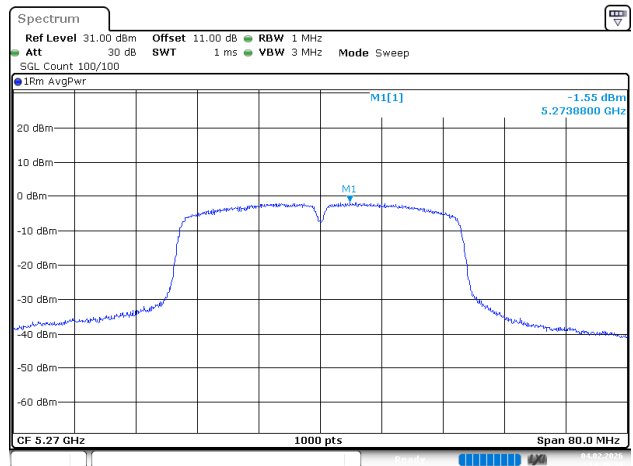
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802.11ac20_5320MHz



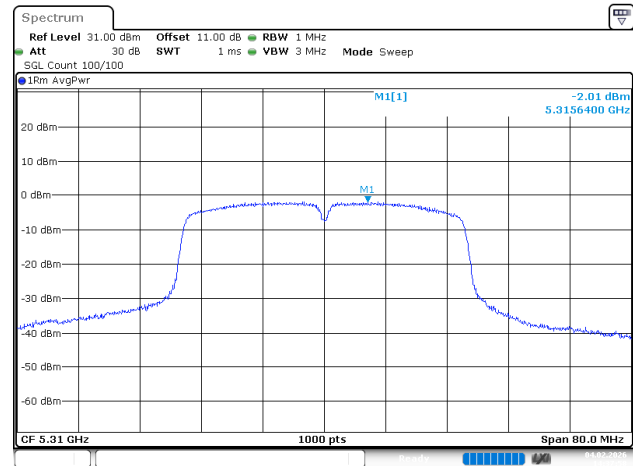
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802.11ac40_5270MHz



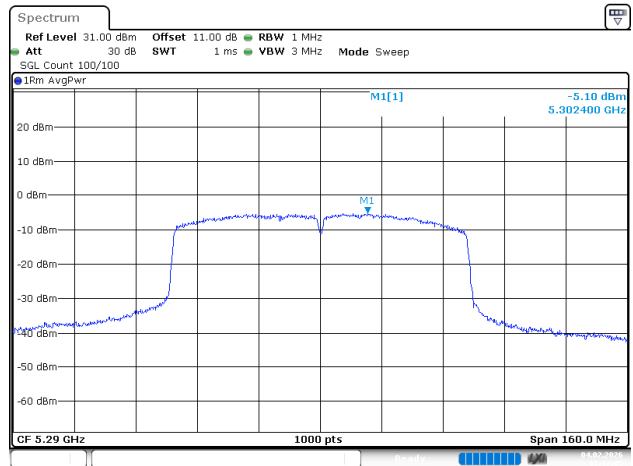
ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 14:36:55

802.11ac40_5310MHz



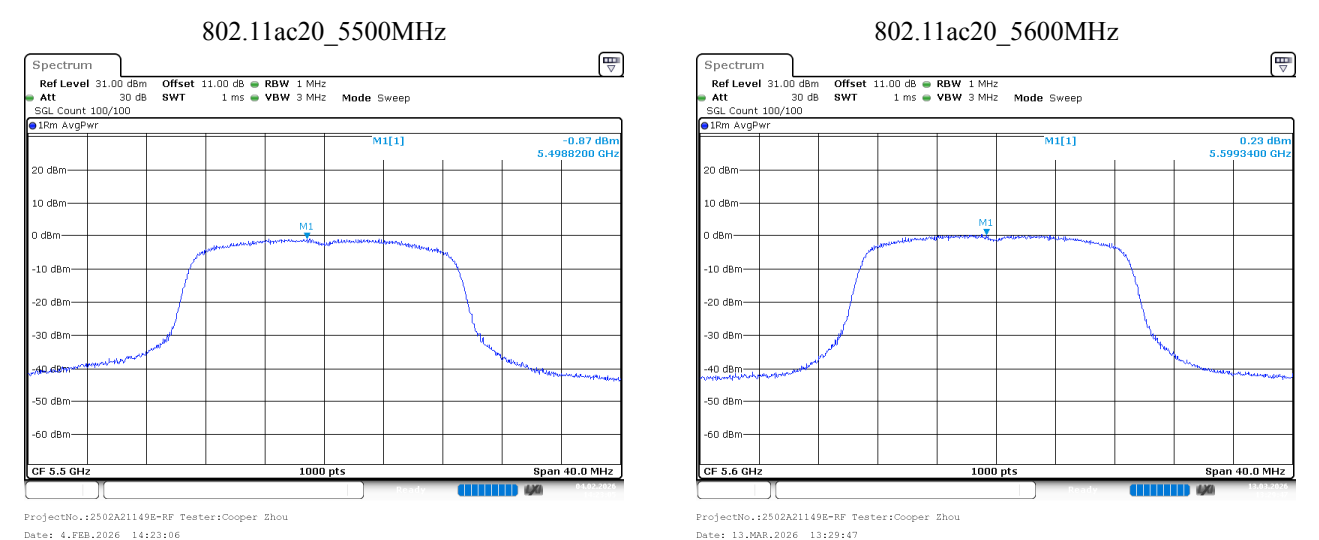
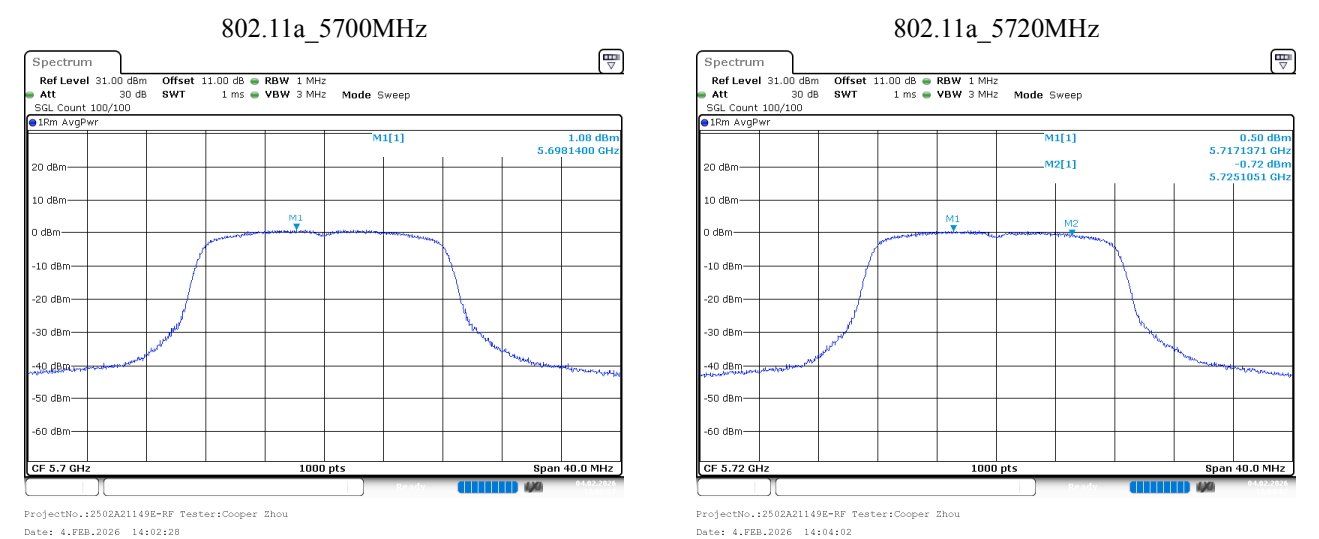
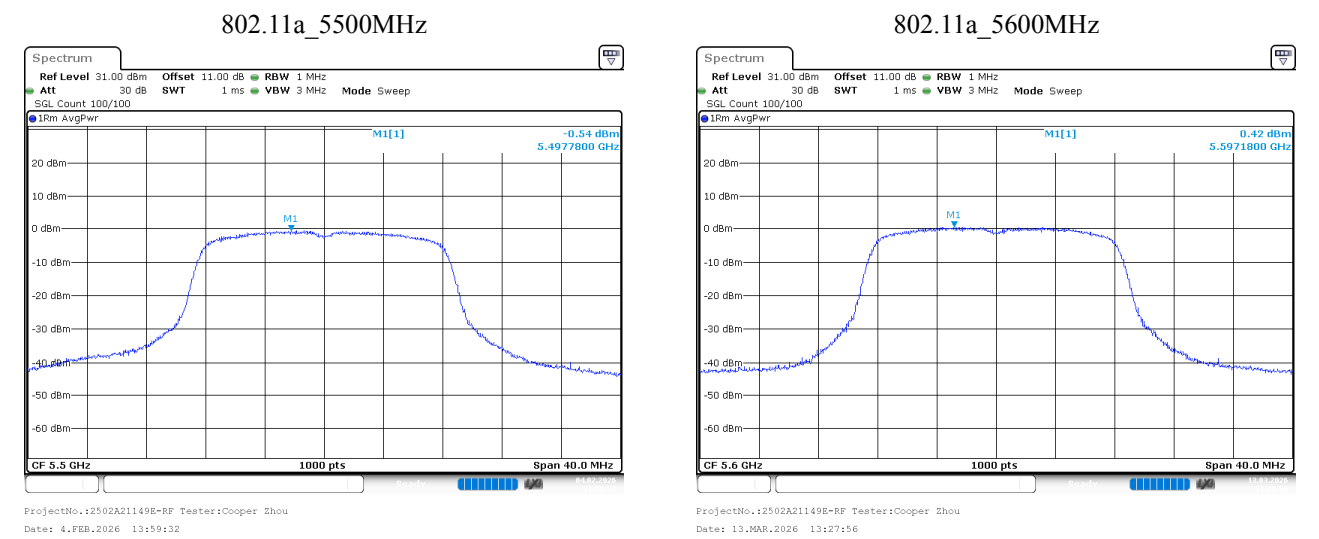
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802.11ac80_5290MHz

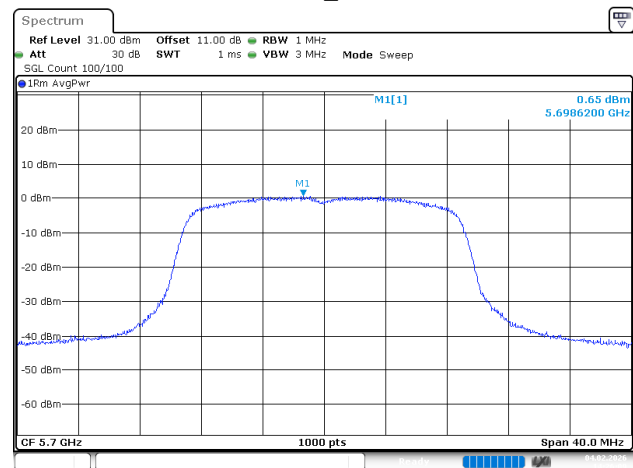


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Date: 4.FEB.2026 15:12:05

5470-5725MHz

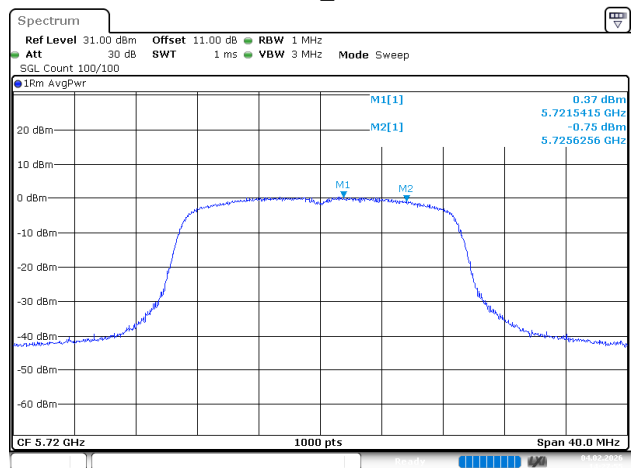


802.11ac20_5700MHz



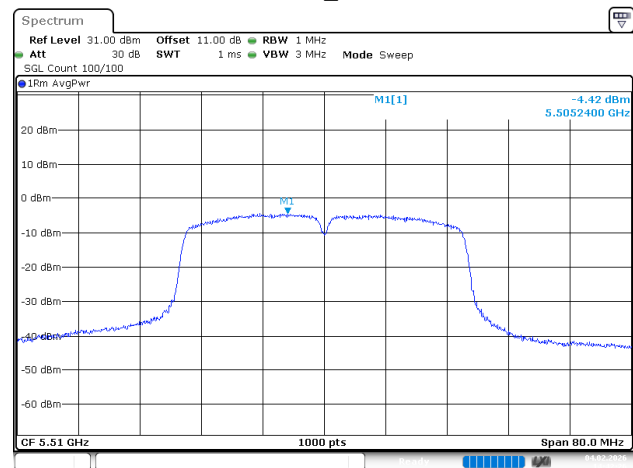
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802.11ac20_5720MHz



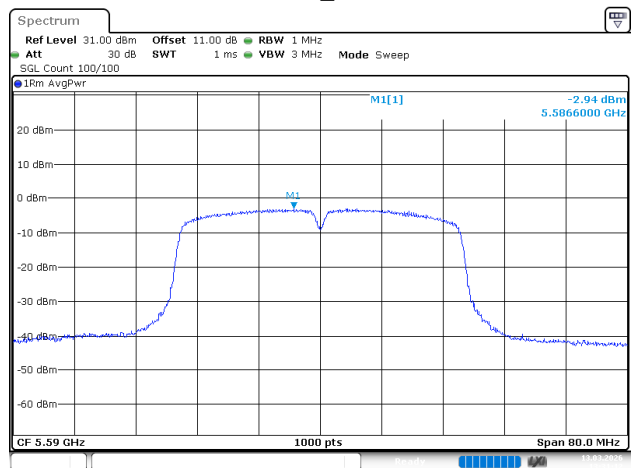
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802.11ac40_5510MHz



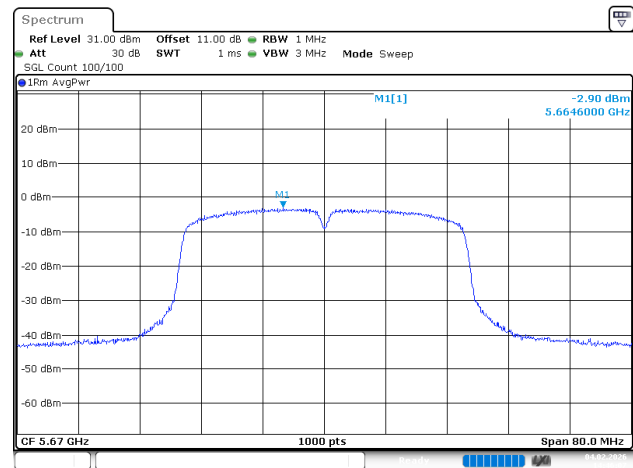
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802.11ac40_5590MHz



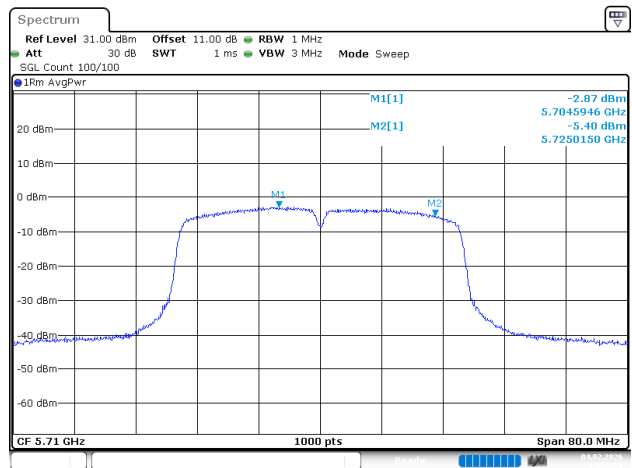
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802.11ac40_5670MHz



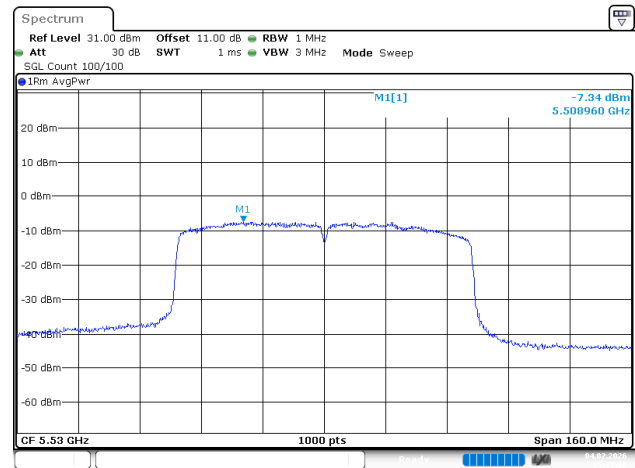
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802.11ac40_5710MHz



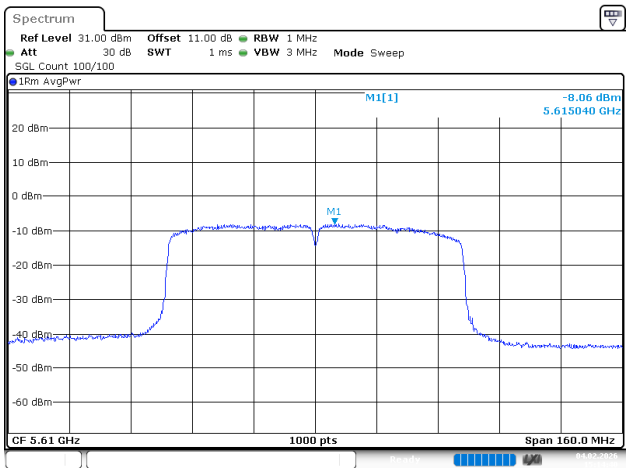
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Date: 4.FEB.2026 14:56:22

802.11ac80_5530MHz



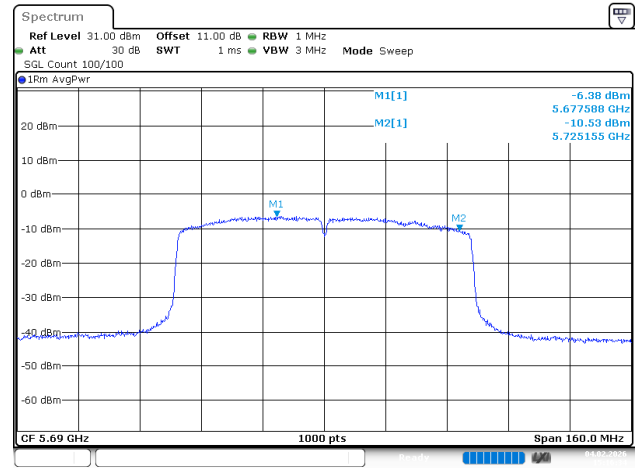
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Date: 4.FEB.2026 15:13:27

802.11ac80_5610MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:14:40

802.11ac80_5690MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 15:16:35

5.7 Duty Cycle

Serial No.:	3DWL-2	Test Date:	2026/02/04
Test Site:	RF	Test Mode:	Transmitting
Tester:	Cooper Zhou	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	23.2	Relative Humidity: (%)	47	ATM Pressure: (kPa)	101.5
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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	2025/06/06	2026/06/05
R&S	Spectrum Analyzer	FSV40	101589	2025/07/28	2026/07/27
JD	Test software	JD Auto Test System	V1.0	N/A	N/A

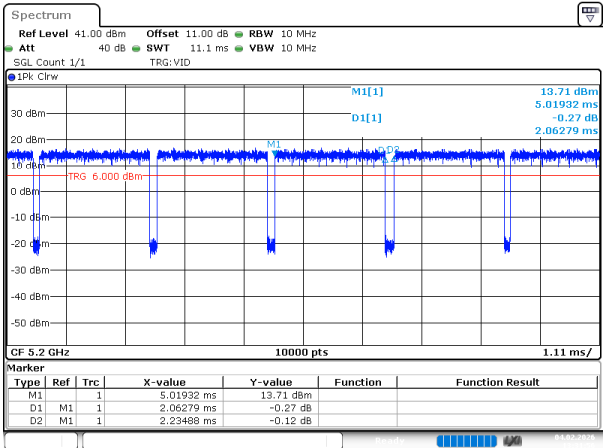
* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

Mode	Test Frequency (MHz)	Ton (ms)	Ton+Toff (ms)	Duty Cycle (%)	Duty Cycle Factor(dB)	1/Ton (Hz)	VBW Setting (kHz)
802.11a	5200	2.063	2.235	92.30	0.35	485	0.500
802.11ac20	5200	1.929	2.028	95.12	0.22	518	1
802.11ac40	5190	0.952	1.121	84.92	0.71	1050	2
802.11ac80	5210	0.464	0.589	78.78	1.04	2155	3

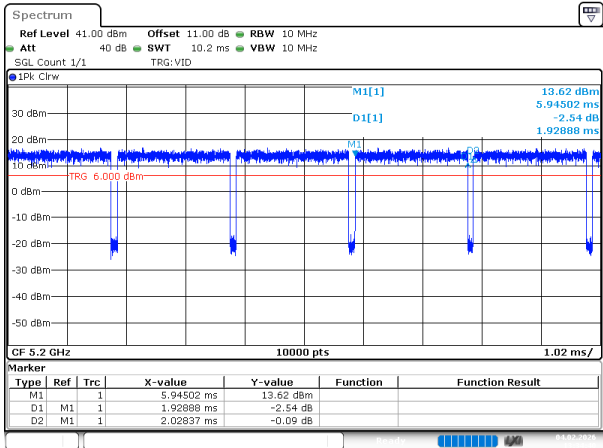
Duty Cycle = Ton/(Ton+Toff)*100%

802.11a_5200MHz



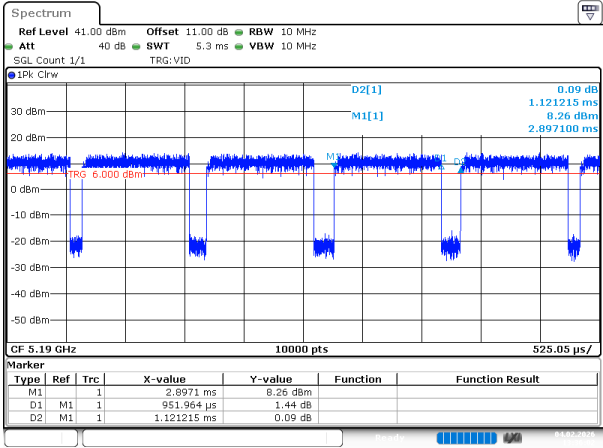
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Date: 4.FEB.2026 13:31:56

802.11ac20_5200MHz



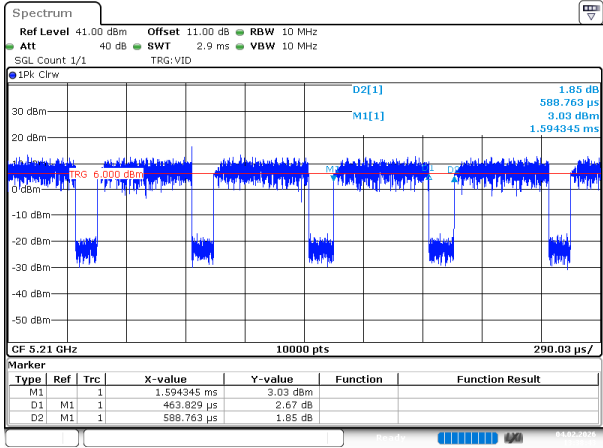
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Date: 4.FEB.2026 13:34:41

802.11ac40_5190MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:36:02

802.11ac80_5210MHz



ProjectNo.:2502A21149E-RF Tester:Cooper Zhou
Date: 4.FEB.2026 13:38:44

EXHIBIT A - EUT PHOTOGRAPHS

Please refer to the attachment 2502A21149E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2502A21149E-RF-INP EUT INTERNAL PHOTOGRAPHS.

EXHIBIT B - TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2502A21149E-RF-00D-TSP TEST SETUP PHOTOGRAPHS.

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