FCC RADIO TEST REPORT

FCC ID	:	2AF3K-SPT1
Equipment	:	Square Kiosk
Brand Name	:	Square
Model Name	:	SPT1-01
Applicant	:	Block, Inc. 1955 Broadway, Suite 600 Oakland, CA 94612 United States
Manufacturer	:	Block, Inc. 1955 Broadway, Suite 600 Oakland, CA 94612 United States
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Mar. 18, 2026 and testing was performed from Jul. 16, 2026 to Sep. 11, 2026. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

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History of this test report

Report No.	Version	Description	Issue Date
FR631827D	01	Initial issue of report	Oct. 02, 2026
FR631827D	02	Revise Appendix C This report is an updated version, replacing the report issued on Oct. 02, 2026.	Oct. 05, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”.

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Avis Chuang

Report Producer: Aya Yang

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and Wi-Fi 6GHz 802.11a/ax and NFC. **Antenna Type** Bluetooth: PIFA Antenna Wi-Fi: PIFA Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 7.5 Ant. 2: 4.4
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 1: 8.0 Ant. 2: 4.6
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 1: 8.6 Ant. 2: 5.3
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	Ant. 1: 7.0 Ant. 2: 5.3

Remark: The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.1.1 Antenna Directional Gain

<For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows:

For power measurements on IEEE 802.11 devices,

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

G_{ANT} is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

$$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$$

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;

G_k is the gain in dBi of the kth antenna.

As minimum N_{SS}=1 is supported by EUT, the formula can be simplified as:

Directional gain = $10*\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}]$ dBi

Where G1, G2….GN denote single antenna gain.

The directional gain "DG" is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
UNII-1	7.50	4.40	7.50	9.10	1.50	3.10
UNII-2A	8.00	4.60	8.00	9.48	2.00	3.48
UNII-2C	8.60	5.30	8.60	10.12	2.60	4.12
UNII-3	7.00	5.30	7.00	9.20	1.00	3.20

Calculation example:

If a device has two antenna, G_{ANT1}= 7.5 dBi; G_{ANT2} = 4.4 dBi

Directional gain of power measurement = max(7.5, 4.4) + 0 = 7.5 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (7.5 dBi / 20) + 10^ (4.4 dBi / 20)] ^ 2 } / 2 }

= 9.10 dBi

Power and PSD limit reduction = Composite gain – 6dBi, (min = 0)

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

The test location is accredited based on TAF code 3786 designated by NCC (National Communication Commission).

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

FCC designation No.: TW3786

Note: The test site complies with ANSI C63.4 2014 requirement.

1.4 Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2020 + Cor.1-2023

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures. Only the worst-case mode of radiated spurious emissions is recorded in this report.

b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

Frequency Band	Channel	Freq. (MHz)
5150-5350 MHz	50@	5250
5470-5725 MHz	114@	5570

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155#	5775	165	5825

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122#	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138#	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.
3. The above Frequency and Channel with "@" are 802.11ac VHT160 and 802.11ax HE160.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU for 802.11ax mode.

The 242-tone RU covered by 20MHz channels, 484-tone RU covered by 40MHz channels, 996-tone RU covered by 80MHz channels.

The PSD of partial RU modes are reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The PSD and power of partial RU are less than full RU configurations so the full RU is chosen as main test configuration.

The power of 802.11ac mode are less than 802.11n mode, so all conducted and radiated tests are covered by 802.11n mode.

The SISO mode is covered by the MIMO mode, as the conducted power is the same as the MIMO per chain output. All channels were tested in MIMO mode.

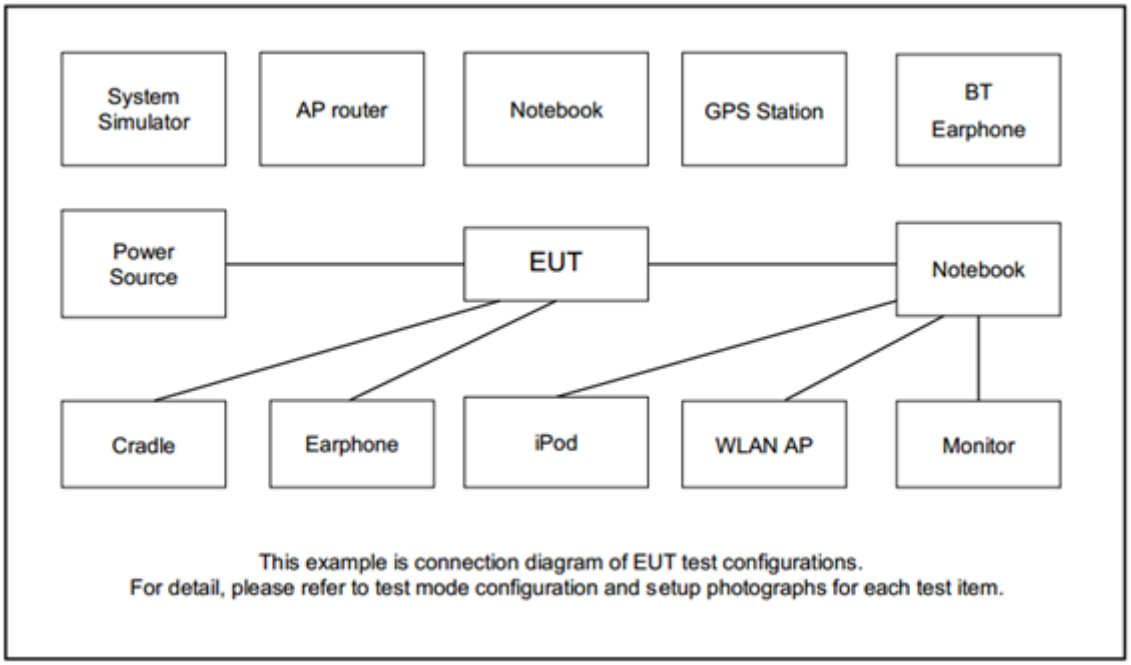
The final test modes include the worst data rates for each modulation shown in the table below.

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20 (Covered by HT20)	MCS0
802.11ac VHT40 (Covered by HT40)	MCS0
802.11ac VHT80	MCS0
802.11ac VHT160	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0
802.11ax HE160	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : 802.11a Tx_MCS0_CH60_MIMO (Ant. 1+2) + P8 Adapter Mode 2 : 802.11a Tx_MCS0_CH157_MIMO (Ant. 1+2) + P8 Adapter
Remark: 1. The detailed Radiated test modes are shown in Appendix C. 2. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power. 3. The worst case of Conducted Emission is mode 2; only the test data of it was reported.	

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Acer	N18Q13	N/A	N/A	AC I/P： Unshielded, 1.2m DC O/P： Shielded, 1.8m
2.	Earphone	Motorola	SJYN1181B	N/A	Unshielded, 1.25m	N/A
3.	Keyboard	Dell	KB216t	N/A	Unshielded, 1.8m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 4.0.186.2” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The 6 dB bandwidth shall be at least 500kHz for 5725-5850MHz.

There is no restriction limits for 26dB and 99% Occupied bandwidth.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

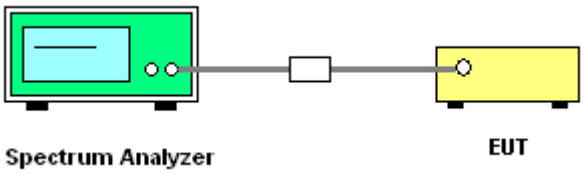
3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 OBW and Section 12.5.2 Emission bandwidth.
2. Set RBW = shall be in the range of 1% to 5% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max-hold.
6. 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 analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is in the range of 1% to 5%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.
9. For 6dB Bandwidth Measurement
   (1) The testing follows the ANSI C63.10 Section 12.5.1 Emission bandwidth for the band 5.725 GHz to 5.85 GHz.
   (2) Set RBW = 100 kHz.
   (3) Set the VBW ≥ 3 x RBW.
   (4) Detector = Peak.
   (5) Trace mode = max-hold.
   (6) Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
   (7) Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable 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. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

■ The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm 10 log B, where B is the 26 dB emission bandwidth in megahertz.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

For the band 5.725–5.85 GHz bands:

■ The maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.2.3 Test Procedures

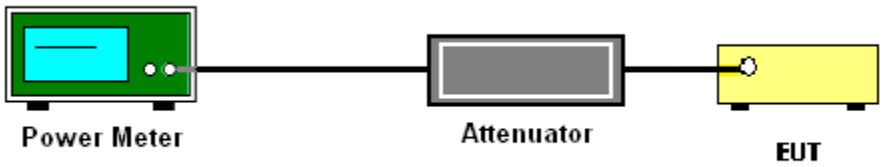
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1.0 MHz band.

For the 5.25–5.725 GHz bands:

The maximum power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

For the 5.725–5.85 GHz bands:

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

For Straddle Channel, according to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, if the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.3.3 Test Procedures

For the band 5.15-5.725 GHz

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

   Method (a): Measure and sum the spectra across the outputs.

   The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points; the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

For the band 5.725–5.85 GHz

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

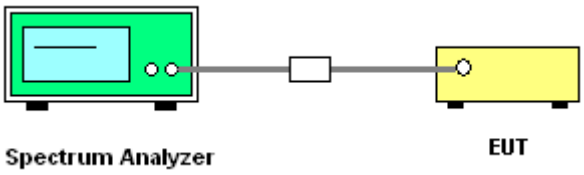
 # Method SA-2 #

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add 10 log(1/0.25) = 6 dB if the duty cycle is 25 percent.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
   Method (c): Measure and add 10 log(N_{ANT}) dB.
   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

3.4.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of –27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.
For transmitters operating in the 5.725-5.85 GHz band:
15.407(b)(4)(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.

(2) Unwanted spurious emissions falls in restricted bands shall comply with the general field strength limits as below table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.2

(3) KDB789033 D02 v02r01 G)2)c)

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

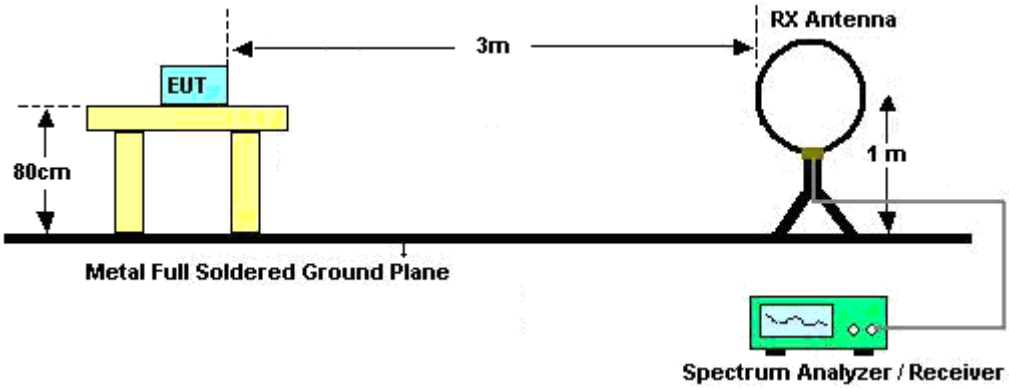
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

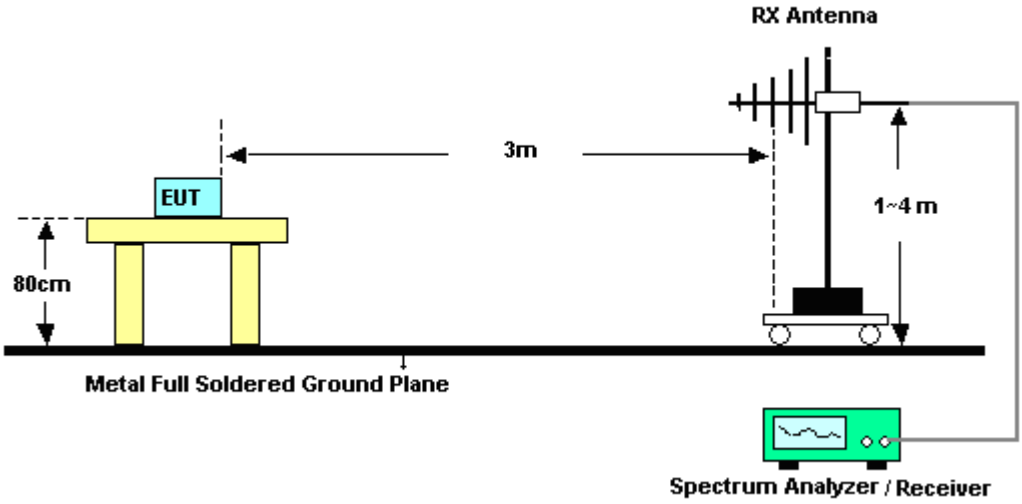
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

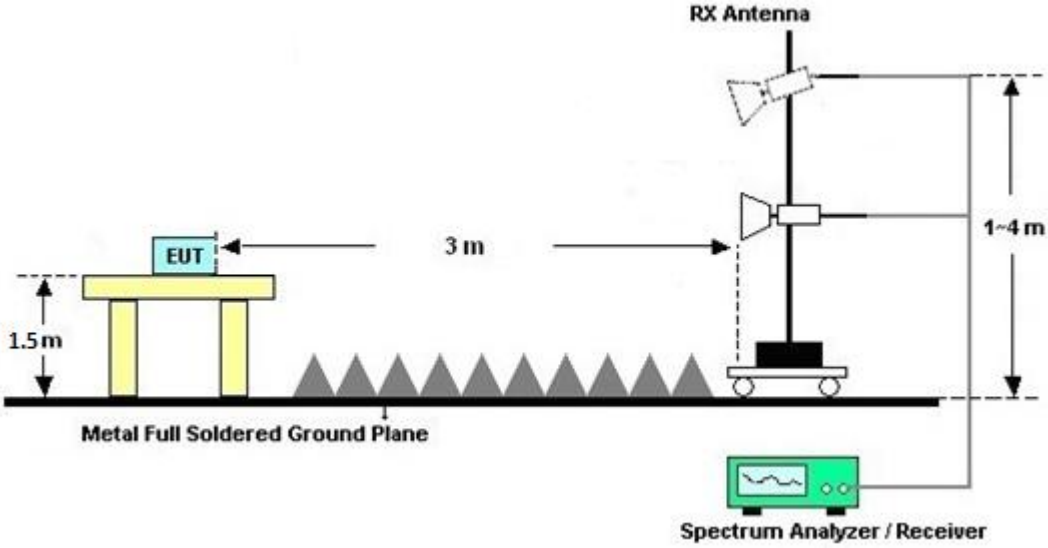
For radiated emissions below 30MHz



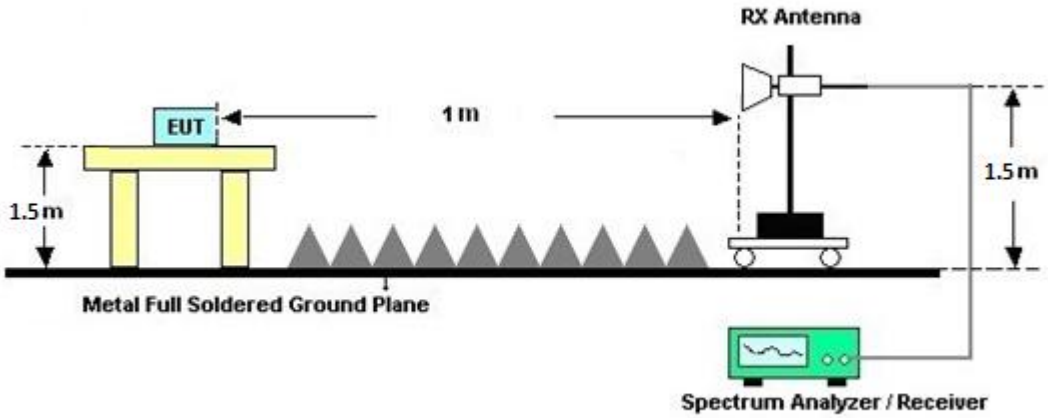
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



3.4.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which starts from 9 kHz to 30 MHz, is pre-scanned and the result which is 20 dB lower than the limit line is not reported.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment 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.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	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.

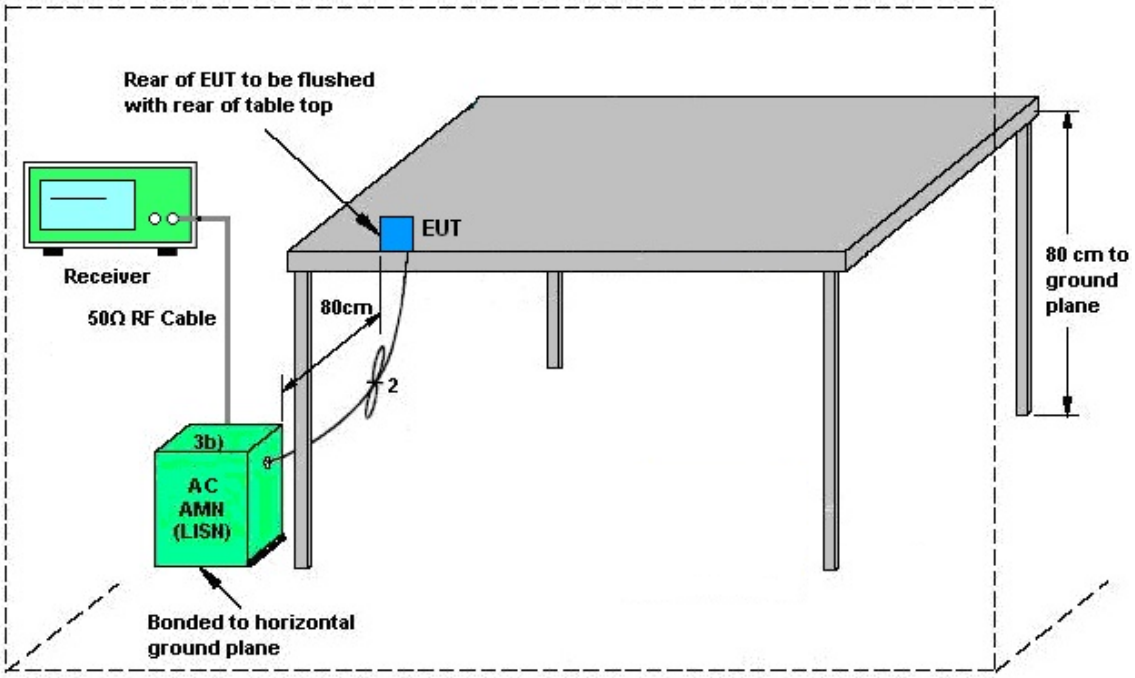
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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.

3.6.2 Antenna Anti-Replacement Construction

b) Unique (non-standard) antenna connector.

Use of a standard connector is also allowed if the connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter, where such disassembly is not normally required. The user manual must not show that user has access to the connector.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Dec. 11, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Dec. 10, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 04, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Mar. 03, 2027	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 11, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Dec. 10, 2026	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	40103 & 07	30MHz~1GHz	Apr. 12, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Apr. 11, 2027	Radiation (03CH13-HY)
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Sep. 03, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Sep. 02, 2026	Radiation (03CH13-HY)
Preamplifier	EMEC	EM01G18G	060941	1GHz~18GHz	Far. 24, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Far. 23, 2027	Radiation (03CH13-HY)
Preamplifier	EMEC	EM01G18G	060803	1GHz-18GHz	Jan. 07, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Jan. 06, 2027	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Dec. 05, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Dec. 04, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 05, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Feb. 04, 2027	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102E	508408-2E	30MHz~40GHz	Jun. 15, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Jun. 14, 2027	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 05, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Feb. 04, 2027	Radiation (03CH13-HY)
Notch Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 10, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Sep. 09, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 07, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Jul. 06, 2027	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 06, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Mar. 05, 2027	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303A	TP215159	N/A	Sep. 08, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Sep. 07, 2026	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 16, 2026 ~ Aug. 10, 2026	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jul. 16, 2026 ~ Aug. 10, 2026	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 16, 2026 ~ Aug. 10, 2026	N/A	Radiation (03CH13-HY)
Software	Audix	N/A	RK-001124	N/A	N/A	Jul. 16, 2026 ~ Aug. 10, 2026	N/A	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	00994	18GHz-40GHz	Jan. 23, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Jan. 22, 2027	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 08, 2026	Jul. 16, 2026 ~ Aug. 10, 2026	Jun. 07, 2027	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18GHz~40GHz	Dec. 18, 2025	Jul. 16, 2026 ~ Aug. 10, 2026	Dec. 17, 2026	Radiation (03CH13-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 04, 2025	Apr. 08. 2026~ Sep. 11. 2026	Nov. 03, 2026	Conducted (TH05-HY)
USB RF Power Sensor	DARE	RPR3006W	17I00015SNO 37 (NO:167)	10MHz~6GHz	Nov. 14, 2025	Apr. 08. 2026~ Sep. 11. 2026	Nov. 13, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz~40GHz	Jan. 20, 2026	Apr. 08. 2026~ Sep. 11. 2026	Jan. 19, 2027	Conducted (TH05-HY)
Switch Control Mainframe	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Dec. 29, 2025	Apr. 08. 2026~ Sep. 11. 2026	Dec. 28, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_24051 3	N/A	Conducted Other Test Item	N/A	Apr. 08. 2026~ Sep. 11. 2026	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 21, 2026	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 21, 2026	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2025	Jul. 21, 2026	Oct. 19, 2026	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 2, 2026	Jul. 21, 2026	Mar. 1, 2027	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Apr. 9, 2026	Jul. 21, 2026	Apr. 8, 2027	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2025	Jul. 21, 2026	Oct. 20, 2026	Conduction (CO07-HY)

5 Measurement Uncertainty

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.7 dB

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.6 dB

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.6 dB

Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.6 dB

Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.2 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Willy Chang	Temperature:	21~25	°C
Test Date:	2026/4/8~2026/09/11	Relative Humidity:	51~54	%

Report Number : FR631827D

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.65	16.57	20.70	20.07	-		22.19		-	
11a	6Mbps	2	44	5220	16.65	16.57	20.77	20.07	-		22.19			
11a	6Mbps	2	48	5240	16.66	16.57	20.90	20.14	-		22.19			
HT20	MCS0	2	36	5180	17.81	17.77	21.29	21.31	-		22.50			
HT20	MCS0	2	44	5220	17.80	17.77	21.37	21.32	-		22.50			
HT20	MCS0	2	48	5240	17.82	17.77	21.27	21.18	-		22.50			
HT40	MCS0	2	38	5190	36.19	36.21	41.01	40.56	-		23.01			
HT40	MCS0	2	46	5230	36.18	36.23	40.94	40.45	-		23.01			
VHT80	MCS0	2	42	5210	75.50	75.56	83.26	83.20	-		23.01			
VHT160	MCS0	2	50	5250	154.14	154.42	166.18	165.79	-		23.01			

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	19.00	19.00	21.54	21.89	-		22.79		-	-
HE20	MCS0	2	44	5220	Full	19.01	19.03	21.63	21.54	-		22.79			
HE20	MCS0	2	48	5240	Full	19.00	19.00	21.58	21.70	-		22.79			
HE40	MCS0	2	38	5190	Full	37.83	37.88	41.34	41.76	-		23.01			
HE40	MCS0	2	46	5230	Full	37.84	37.87	41.63	41.79	-		23.01			
HE80	MCS0	2	42	5210	Full	77.25	77.37	84.35	84.74	-		23.01			
HE160	MCS0	2	50	5250	Full	155.65	156.20	165.89	165.98	-		23.01			

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.65	16.57	20.61	20.06	23.19		29.19		23.98		
11a	6Mbps	2	60	5300	16.68	16.58	21.10	20.20	23.20		29.20		23.98		
11a	6Mbps	2	64	5320	16.67	16.58	20.63	20.02	23.20		29.20		23.98		
HT20	MCS0	2	52	5260	17.81	17.77	21.49	21.22	23.50		29.50		23.98		
HT20	MCS0	2	60	5300	17.79	17.77	21.48	21.55	23.50		29.50		23.98		-
HT20	MCS0	2	64	5320	17.80	17.77	21.42	21.09	23.50		29.50		23.98		
HT40	MCS0	2	54	5270	36.19	36.26	40.91	40.46	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.20	36.23	41.18	40.48	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.56	75.59	83.23	83.23	23.98		30.00		23.98		

Report Number : FR631827D

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	19.01	19.02	21.55	21.68	23.79		29.79		23.98		
HE20	MCS0	2	60	5300	Full	19.00	19.01	21.78	21.70	23.79		29.79		23.98		
HE20	MCS0	2	64	5320	Full	19.00	19.01	21.70	21.62	23.79		29.79		23.98		
HE40	MCS0	2	54	5270	Full	37.82	37.87	41.71	41.89	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.85	37.86	41.41	41.47	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.24	77.31	84.29	84.67	23.98		30.00		23.98		
HE160	MCS0	2	50	5250	Full	155.65	156.20	165.89	165.98	23.98		30.00		23.98		

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.69	16.59	20.50	20.05	23.20		29.20		23.98		----	----
11a	6Mbps	2	120	5600	16.69	16.60	20.50	20.02	23.20		29.20		23.98		----	----
11a	6Mbps	2	140	5700	16.68	16.60	20.73	19.97	23.20		29.20		23.98		----	----
HT20	MCS0	2	100	5500	17.80	17.75	21.28	21.44	23.49		29.49		23.98		----	----
HT20	MCS0	2	120	5600	17.80	17.75	21.62	21.30	23.49		29.49		23.98		----	----
HT20	MCS0	2	140	5700	17.80	17.75	21.38	21.40	23.49		29.49		23.98		----	----
HT40	MCS0	2	102	5510	36.19	36.18	41.09	40.93	23.98		30.00		23.98		----	----
HT40	MCS0	2	118	5590	36.19	36.19	40.91	40.78	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.18	36.19	41.14	40.67	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.57	75.53	83.55	83.71	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.58	75.52	83.97	83.49	23.98		30.00		23.98		----	----
VHT160	MCS0	2	114	5570	154.50	154.35	165.70	165.50	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.37	13.33	15.42	15.14	23.20		29.20		23.98		3.11	3.115
HT20	MCS0	2	144	5720	13.92	13.92	15.74	15.89	23.49		29.49		23.98		3.13	3.37
HT40	MCS0	2	142	5710	33.10	33.14	35.67	35.21	23.98		30.00		23.98		3.126	2.856
VHT80	MCS0	2	138	5690	72.78	72.83	76.89	76.54	23.98		30.00		23.98		2.504	1.336
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	19.01	18.98	21.67	21.66	23.78		29.78		23.98		----	----
HE20	MCS0	2	120	5600	Full	19.01	18.99	21.58	21.65	23.79		29.79		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.99	18.98	21.66	21.66	23.78		29.78		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.81	37.81	41.57	41.34	23.98		30.00		23.98		----	----
HE40	MCS0	2	118	5590	Full	37.79	37.78	41.39	41.42	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.81	37.82	41.38	41.20	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.28	77.25	84.48	84.10	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.27	77.20	84.58	83.78	23.98		30.00		23.98		----	----
HE160	MCS0	2	114	5570	Full	156.10	155.96	165.70	165.46	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.53	14.54	15.90	15.92	23.79		29.79		23.98		4.25	4.02
HE40	MCS0	2	142	5710	Full	33.93	33.95	35.75	35.59	23.98		30.00		23.98		3.927	3.153
HE80	MCS0	2	138	5690	Full	73.64	73.67	77.11	77.21	23.98		30.00		23.98		3.032	2.52
6dB Bandwidth Limit ≧ 500kHz																Pass	

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	149	5745	16.68	16.62	20.38	19.72	16.30	16.08	0.5	Pass
11a	6Mbps	2	157	5785	16.63	16.57	20.24	19.52	16.30	16.06	0.5	Pass
11a	6Mbps	2	165	5825	16.66	16.59	20.19	19.53	16.29	16.31	0.5	Pass
HT20	MCS0	2	149	5745	17.80	17.75	21.38	21.14	16.62	16.62	0.5	Pass
HT20	MCS0	2	157	5785	17.79	17.74	21.01	21.45	16.90	16.29	0.5	Pass
HT20	MCS0	2	165	5825	17.80	17.78	21.50	21.22	16.56	16.64	0.5	Pass
HT40	MCS0	2	151	5755	36.36	36.33	41.14	40.70	36.25	36.31	0.5	Pass
HT40	MCS0	2	159	5795	36.30	36.29	41.12	40.75	35.73	35.25	0.5	Pass
VHT80	MCS0	2	155	5775	75.57	75.55	83.30	83.46	75.10	74.85	0.5	Pass

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-3 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	19.02	19.01	22.09	21.79	18.41	18.69	0.5	Pass
HE20	MCS0	2	157	5785	Full	19.02	19.00	21.70	21.38	18.74	18.65	0.5	Pass
HE20	MCS0	2	165	5825	Full	19.03	19.02	21.78	21.74	18.70	18.17	0.5	Pass
HE40	MCS0	2	151	5755	Full	37.84	37.86	41.58	41.33	37.85	36.02	0.5	Pass
HE40	MCS0	2	159	5795	Full	37.83	37.79	41.54	41.38	37.83	36.91	0.5	Pass
HE80	MCS0	2	155	5775	Full	77.20	77.22	83.94	84.00	76.35	75.63	0.5	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.68	15.83	19.29	22.50		7.50		-	Pass
11a	6Mbps	2	44	5220	16.45	15.91	19.20	22.50		7.50			Pass
11a	6Mbps	2	48	5240	16.78	16.09	19.46	22.50		7.50			Pass
HT20	MCS0	2	36	5180	17.42	16.32	19.92	22.50		7.50			Pass
HT20	MCS0	2	44	5220	17.29	16.31	19.84	22.50		7.50			Pass
HT20	MCS0	2	48	5240	17.58	16.57	20.11	22.50		7.50			Pass
HT40	MCS0	2	38	5190	17.37	16.68	20.05	22.50		7.50			Pass
HT40	MCS0	2	46	5230	19.65	19.03	22.36	22.50		7.50			Pass
VHT20	MCS0	2	36	5180	17.35	16.28	19.86	22.50		7.50			Pass
VHT20	MCS0	2	44	5220	17.21	16.26	19.77	22.50		7.50			Pass
VHT20	MCS0	2	48	5240	17.52	16.54	20.07	22.50		7.50			Pass
VHT40	MCS0	2	38	5190	17.22	16.62	19.94	22.50		7.50			Pass
VHT40	MCS0	2	46	5230	19.58	18.92	22.27	22.50		7.50			Pass
VHT80	MCS0	2	42	5210	15.35	14.73	18.06	22.50		7.50			Pass
VHT160	MCS0	2	50	5250	14.83	14.33	17.60	22.50		7.50			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	17.54	16.69	20.15	22.50		7.50		-	Pass
HE20	MCS0	2	36	5180	26/0	8.15	7.48	10.84	22.50		7.50			Pass
HE20	MCS0	2	36	5180	52/37	10.65	9.81	13.26	22.50		7.50			Pass
HE20	MCS0	2	36	5180	106/53	13.75	12.81	16.32	22.50		7.50			Pass
HE20	MCS0	2	44	5220	Full	17.44	16.79	20.14	22.50		7.50			Pass
HE20	MCS0	2	44	5220	26/4	8.72	8.18	11.47	22.50		7.50			Pass
HE20	MCS0	2	44	5220	52/38	10.97	10.32	13.67	22.50		7.50			Pass
HE20	MCS0	2	44	5220	106/53	13.55	12.99	16.29	22.50		7.50			Pass
HE20	MCS0	2	48	5240	Full	17.73	16.89	20.34	22.50		7.50			Pass
HE20	MCS0	2	48	5240	26/8	8.11	7.25	10.71	22.50		7.50			Pass
HE20	MCS0	2	48	5240	52/40	11.11	9.92	13.57	22.50		7.50			Pass
HE20	MCS0	2	48	5240	106/54	14.08	13.04	16.60	22.50		7.50			Pass
HE40	MCS0	2	38	5190	Full	16.95	16.33	19.66	22.50		7.50			Pass
HE40	MCS0	2	46	5230	Full	19.18	18.62	21.92	22.50		7.50			Pass
HE80	MCS0	2	42	5210	Full	15.16	14.63	17.91	22.50		7.50			Pass
HE160	MCS0	2	50	5250	Full	15.33	14.81	18.09	22.50		7.50			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	16.41	15.72	19.09	21.98		8.00		30	Pass
11a	6Mbps	2	60	5300	16.51	15.53	19.06	21.98		8.00		30	Pass
11a	6Mbps	2	64	5320	16.38	15.44	18.95	21.98		8.00		30	Pass
HT20	MCS0	2	52	5260	16.79	15.61	19.25	21.98		8.00		30	Pass
HT20	MCS0	2	60	5300	16.74	15.51	19.18	21.98		8.00		30	Pass
HT20	MCS0	2	64	5320	17.09	15.83	19.52	21.98		8.00		30	Pass
HT40	MCS0	2	54	5270	19.07	17.93	21.55	21.98		8.00		30	Pass
HT40	MCS0	2	62	5310	18.02	17.21	20.64	21.98		8.00		30	Pass
VHT20	MCS0	2	52	5260	16.77	15.58	19.23	21.98		8.00		30	Pass
VHT20	MCS0	2	60	5300	16.69	15.42	19.11	21.98		8.00		30	Pass
VHT20	MCS0	2	64	5320	17.02	15.77	19.45	21.98		8.00		30	Pass
VHT40	MCS0	2	54	5270	18.88	17.88	21.42	21.98		8.00		30	Pass
VHT40	MCS0	2	62	5310	17.95	17.16	20.58	21.98		8.00		30	Pass
VHT80	MCS0	2	58	5290	17.13	16.15	19.68	21.98		8.00		30	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	16.84	16.15	19.52	21.98		8.00		30	Pass
HE20	MCS0	2	52	5260	26/0	7.08	6.49	9.81	21.98		8.00		30	Pass
HE20	MCS0	2	52	5260	52/37	10.01	9.17	12.62	21.98		8.00		30	Pass
HE20	MCS0	2	52	5260	106/53	13.57	12.66	16.15	21.98		8.00		30	Pass
HE20	MCS0	2	60	5300	Full	16.91	15.93	19.46	21.98		8.00		30	Pass
HE20	MCS0	2	60	5300	26/4	8.21	7.38	10.83	21.98		8.00		30	Pass
HE20	MCS0	2	60	5300	52/38	10.44	9.63	13.06	21.98		8.00		30	Pass
HE20	MCS0	2	60	5300	106/53	12.94	11.86	15.44	21.98		8.00		30	Pass
HE20	MCS0	2	64	5320	Full	17.13	16.29	19.74	21.98		8.00		30	Pass
HE20	MCS0	2	64	5320	26/8	7.54	6.56	10.09	21.98		8.00		30	Pass
HE20	MCS0	2	64	5320	52/40	9.48	8.39	11.98	21.98		8.00		30	Pass
HE20	MCS0	2	64	5320	106/54	12.44	11.28	14.91	21.98		8.00		30	Pass
HE40	MCS0	2	54	5270	Full	19.16	18.02	21.64	21.98		8.00		30	Pass
HE40	MCS0	2	62	5310	Full	17.58	16.85	20.24	21.98		8.00		30	Pass
HE80	MCS0	2	58	5290	Full	16.94	16.07	19.54	21.98		8.00		30	Pass
HE160	MCS0	2	50	5250	Full	15.33	14.81	18.09	21.98		8.00		30	Pass

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TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	15.39	14.83	18.13	21.38		8.60		30	Pass
11a	6Mbps	2	120	5600	15.34	14.86	18.12	21.38		8.60		30	Pass
11a	6Mbps	2	140	5700	15.56	14.79	18.20	21.38		8.60		30	Pass
HT20	MCS0	2	100	5500	16.15	15.13	18.68	21.38		8.60		30	Pass
HT20	MCS0	2	120	5600	16.06	15.16	18.64	21.38		8.60		30	Pass
HT20	MCS0	2	140	5700	17.85	17.61	20.74	21.38		8.60		30	Pass
HT40	MCS0	2	102	5510	18.38	18.12	21.26	21.38		8.60		30	Pass
HT40	MCS0	2	118	5590	18.14	17.84	21.00	21.38		8.60		30	Pass
HT40	MCS0	2	134	5670	18.56	18.07	21.33	21.38		8.60		30	Pass
VHT20	MCS0	2	100	5500	16.13	15.11	18.66	21.38		8.60		30	Pass
VHT20	MCS0	2	120	5600	16.01	15.12	18.60	21.38		8.60		30	Pass
VHT20	MCS0	2	140	5700	17.82	17.58	20.71	21.38		8.60		30	Pass
VHT40	MCS0	2	102	5510	17.32	18.08	20.73	21.38		8.60		30	Pass
VHT40	MCS0	2	118	5590	18.12	17.79	20.97	21.38		8.60		30	Pass
VHT40	MCS0	2	134	5670	18.51	18.01	21.28	21.38		8.60		30	Pass
VHT80	MCS0	2	106	5530	17.11	16.61	19.88	21.38		8.60		30	Pass
VHT80	MCS0	2	122	5610	18.21	17.74	20.99	21.38		8.60		30	Pass
VHT160	MCS0	2	114	5570	15.74	15.02	18.41	21.38		8.60		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	15.68	14.94	18.34	21.38		8.60		30	Pass
HT20	MCS0	2	144	5720	15.93	15.05	18.52	21.38		8.60		30	Pass
HT40	MCS0	2	142	5710	18.41	17.78	21.12	21.38		8.60		30	Pass
VHT20	MCS0	2	144	5720	15.88	14.98	18.46	21.38		8.60		30	Pass
VHT40	MCS0	2	142	5710	18.36	17.75	21.08	21.38		8.60		30	Pass
VHT80	MCS0	2	138	5690	18.28	17.55	20.94	21.38		8.60		30	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	16.21	15.73	18.99	21.38		8.60		30	Pass
HE20	MCS0	2	100	5500	26/0	5.41	5.73	8.58	21.38		8.60		30	Pass
HE20	MCS0	2	100	5500	52/37	8.48	7.68	11.11	21.38		8.60		30	Pass
HE20	MCS0	2	100	5500	106/53	11.57	10.98	14.30	21.38		8.60		30	Pass
HE20	MCS0	2	116	5600	Full	16.22	15.69	18.97	21.38		8.60		30	Pass
HE20	MCS0	2	120	5600	26/4	6.38	6.77	9.59	21.38		8.60		30	Pass
HE20	MCS0	2	120	5600	52/38	8.63	7.84	11.26	21.38		8.60		30	Pass
HE20	MCS0	2	120	5600	106/53	11.63	10.93	14.30	21.38		8.60		30	Pass
HE20	MCS0	2	140	5700	Full	16.48	15.68	19.11	21.38		8.60		30	Pass
HE20	MCS0	2	140	5700	26/8	5.05	4.84	7.96	21.38		8.60		30	Pass
HE20	MCS0	2	140	5700	52/40	8.71	7.57	11.19	21.38		8.60		30	Pass
HE20	MCS0	2	140	5700	106/54	11.67	10.78	14.26	21.38		8.60		30	Pass
HE40	MCS0	2	102	5510	Full	17.74	17.37	20.57	21.38		8.60		30	Pass
HE40	MCS0	2	118	5590	Full	18.49	17.93	21.23	21.38		8.60		30	Pass
HE40	MCS0	2	134	5670	Full	18.61	18.01	21.33	21.38		8.60		30	Pass
HE80	MCS0	2	106	5530	Full	16.31	15.88	19.11	21.38		8.60		30	Pass
HE80	MCS0	2	122	5610	Full	18.51	17.85	21.20	21.38		8.60		30	Pass
HE160	MCS0	2	114	5570	Full	17.21	16.68	19.96	21.38		8.60		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	16.06	15.35	18.73	21.38		8.60		30	Pass
HE20	MCS0	2	144	5720	26/8	5.07	4.92	8.01	21.38		8.60		30	Pass
HE20	MCS0	2	144	5720	52/40	8.29	7.21	10.79	21.38		8.60		30	Pass
HE20	MCS0	2	144	5720	106/54	11.37	10.35	13.90	21.38		8.60		30	Pass
HE40	MCS0	2	142	5710	Full	18.67	17.93	21.33	21.38		8.60		30	Pass
HE80	MCS0	2	138	5690	Full	18.56	17.77	21.19	21.38		8.60		30	Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	20.37	20.14	23.27	29.00		7.00		Pass
11a	6Mbps	2	157	5785	19.88	19.68	22.79	29.00		7.00		Pass
11a	6Mbps	2	165	5825	20.11	19.66	22.90	29.00		7.00		Pass
HT20	MCS0	2	149	5745	20.24	19.67	22.97	29.00		7.00		Pass
HT20	MCS0	2	157	5785	20.01	19.43	22.74	29.00		7.00		Pass
HT20	MCS0	2	165	5825	19.81	19.31	22.58	29.00		7.00		Pass
HT40	MCS0	2	151	5755	20.59	19.92	23.28	29.00		7.00		Pass
HT40	MCS0	2	159	5795	20.32	19.72	23.04	29.00		7.00		Pass
VHT20	MCS0	2	149	5745	20.16	19.62	22.91	29.00		7.00		Pass
VHT20	MCS0	2	157	5785	19.97	19.41	22.71	29.00		7.00		Pass
VHT20	MCS0	2	165	5825	19.77	19.28	22.54	29.00		7.00		Pass
VHT40	MCS0	2	151	5755	20.52	19.88	23.22	29.00		7.00		Pass
VHT40	MCS0	2	159	5795	20.28	19.65	22.99	29.00		7.00		Pass
VHT80	MCS0	2	155	5775	19.35	18.75	22.07	29.00		7.00		Pass

TEST RESULTS DATA
Average Power Table

Band IV MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	19.91	19.87	22.90	29.00		7.00		Pass
HE20	MCS0	2	149	5745	26/0	9.99	9.58	12.80	29.00		7.00		Pass
HE20	MCS0	2	149	5745	52/37	12.94	12.46	15.72	29.00		7.00		Pass
HE20	MCS0	2	149	5745	106/53	16.14	15.42	18.81	29.00		7.00		Pass
HE20	MCS0	2	157	5785	Full	19.54	19.56	22.56	29.00		7.00		Pass
HE20	MCS0	2	157	5785	26/4	9.82	9.11	12.49	29.00		7.00		Pass
HE20	MCS0	2	157	5785	52/38	12.58	11.75	15.20	29.00		7.00		Pass
HE20	MCS0	2	157	5785	106/53	15.54	15.10	18.34	29.00		7.00		Pass
HE20	MCS0	2	165	5825	Full	20.04	19.57	22.82	29.00		7.00		Pass
HE20	MCS0	2	165	5825	26/8	10.36	9.27	12.86	29.00		7.00		Pass
HE20	MCS0	2	165	5825	52/40	13.34	12.15	15.80	29.00		7.00		Pass
HE20	MCS0	2	165	5825	106/54	16.69	15.98	19.36	29.00		7.00		Pass
HE40	MCS0	2	151	5755	Full	20.21	19.42	22.84	29.00		7.00		Pass
HE40	MCS0	2	159	5795	Full	19.45	19.24	22.36	29.00		7.00		Pass
HE80	MCS0	2	155	5775	Full	19.21	18.63	21.94	29.00		7.00		Pass

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TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.04	0.04			7.47	7.90		9.10			Pass
11a	6Mbps	2	44	5220	0.04	0.04			7.46	7.90		9.10			Pass
11a	6Mbps	2	48	5240	0.04	0.04			7.60	7.90		9.10			Pass
HT20	MCS0	2	36	5180	0.00	0.00			7.84	7.90		9.10			Pass
HT20	MCS0	2	44	5220	0.00	0.00			7.79	7.90		9.10			Pass
HT20	MCS0	2	48	5240	0.00	0.00	-		7.47	7.90		9.10		-	Pass
HT40	MCS0	2	38	5190	0.02	0.02			5.36	7.90		9.10			Pass
HT40	MCS0	2	46	5230	0.02	0.02			7.58	7.90		9.10			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			0.42	7.90		9.10			Pass
VHT160	MCS0	2	50	5250	0.00	0.00			-3.19	7.90		9.10			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	0.00	0.00			7.77	7.90		9.10			Pass
HE20	MCS0	2	36	5180	26/0	0.00	0.00			7.58	7.90		9.10			Pass
HE20	MCS0	2	36	5180	52/37	0.00	0.00			7.29	7.90		9.10			Pass
HE20	MCS0	2	36	5180	106/53	0.00	0.00			7.36	7.90		9.10			Pass
HE20	MCS0	2	44	5220	Full	0.00	0.00			7.76	7.90		9.10			Pass
HE20	MCS0	2	44	5220	26/4	0.00	0.00			7.33	7.90		9.10			Pass
HE20	MCS0	2	44	5220	52/38	0.00	0.00			7.62	7.90		9.10			Pass
HE20	MCS0	2	44	5220	106/53	0.00	0.00			7.47	7.90		9.10			Pass
HE20	MCS0	2	48	5240	Full	0.00	0.00	-		7.86	7.90		9.10		-	Pass
HE20	MCS0	2	48	5240	26/8	0.00	0.00			7.61	7.90		9.10			Pass
HE20	MCS0	2	48	5240	52/40	0.00	0.00			7.69	7.90		9.10			Pass
HE20	MCS0	2	48	5240	106/54	0.00	0.00			7.56	7.90		9.10			Pass
HE40	MCS0	2	38	5190	Full	0.02	0.02			4.70	7.90		9.10			Pass
HE40	MCS0	2	46	5230	Full	0.02	0.02			6.91	7.90		9.10			Pass
HE80	MCS0	2	42	5210	Full	0.02	0.02			0.21	7.90		9.10			Pass
HE160	MCS0	2	50	5250	Full	0.01	0.01			-2.77	7.90		9.10			Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.04	0.04			7.34	7.52		9.48			Pass
11a	6Mbps	2	60	5300	0.04	0.04			7.33	7.52		9.48			Pass
11a	6Mbps	2	64	5320	0.04	0.04			7.18	7.52		9.48			Pass
HT20	MCS0	2	52	5260	0.00	0.00			7.15	7.52		9.48			Pass
HT20	MCS0	2	60	5300	0.00	0.00	-		7.09	7.52		9.48		-	Pass
HT20	MCS0	2	64	5320	0.00	0.00			7.47	7.52		9.48			Pass
HT40	MCS0	2	54	5270	0.02	0.02			6.68	7.52		9.48			Pass
HT40	MCS0	2	62	5310	0.02	0.02			6.09	7.52		9.48			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			1.79	7.52		9.48			Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	0.00	0.00			7.12	7.52		9.48			Pass
HE20	MCS0	2	52	5260	26/0	0.00	0.00			6.59	7.52		9.48			Pass
HE20	MCS0	2	52	5260	52/37	0.00	0.00			6.74	7.52		9.48			Pass
HE20	MCS0	2	52	5260	106/53	0.00	0.00			6.94	7.52		9.48			Pass
HE20	MCS0	2	60	5300	Full	0.00	0.00			7.11	7.52		9.48			Pass
HE20	MCS0	2	60	5300	26/4	0.00	0.00			6.68	7.52		9.48			Pass
HE20	MCS0	2	60	5300	52/38	0.00	0.00			7.09	7.52		9.48			Pass
HE20	MCS0	2	60	5300	106/53	0.00	0.00			6.76	7.52		9.48			Pass
HE20	MCS0	2	64	5320	Full	0.00	0.00	-		7.50	7.52		9.48		-	Pass
HE20	MCS0	2	64	5320	26/8	0.00	0.00			7.07	7.52		9.48			Pass
HE20	MCS0	2	64	5320	52/40	0.00	0.00			7.26	7.52		9.48			Pass
HE20	MCS0	2	64	5320	106/54	0.00	0.00			7.05	7.52		9.48			Pass
HE40	MCS0	2	54	5270	Full	0.02	0.02			6.53	7.52		9.48			Pass
HE40	MCS0	2	62	5310	Full	0.02	0.02			5.33	7.52		9.48			Pass
HE80	MCS0	2	58	5290	Full	0.02	0.02			1.65	7.52		9.48			Pass
HE160	MCS0	2	50	5250	Full	0.01	0.01			-2.77	7.52		9.48			Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.04	0.04	-		6.46	6.88		10.12		-	Pass
11a	6Mbps	2	120	5600	0.04	0.04			6.45	6.88		10.12			Pass
11a	6Mbps	2	140	5700	0.04	0.04			6.53	6.88		10.12			Pass
HT20	MCS0	2	100	5500	0.00	0.00			6.63	6.88		10.12			Pass
HT20	MCS0	2	120	5600	0.00	0.00			6.62	6.88		10.12			Pass
HT20	MCS0	2	140	5700	0.00	0.00			6.79	6.88		10.12			Pass
HT40	MCS0	2	102	5510	0.02	0.02			6.48	6.88		10.12			Pass
HT40	MCS0	2	118	5590	0.02	0.02			6.46	6.88		10.12			Pass
HT40	MCS0	2	134	5670	0.02	0.02			6.56	6.88		10.12			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			1.95	6.88		10.12			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			2.90	6.88		10.12			Pass
VHT160	MCS0	2	114	5570	0.00	0.00			-2.25	6.88		10.12			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.04	0.04	-		6.66	6.88		10.12		-	Pass
HT20	MCS0	2	144	5720	0.00	0.00			6.47	6.88		10.12			Pass
HT40	MCS0	2	142	5710	0.02	0.02			6.41	6.88		10.12			Pass
VHT80	MCS0	2	138	5690	0.00	0.00			2.99	6.88		10.12			Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	0.00	0.00			6.69	6.88		10.12			Pass
HE20	MCS0	2	100	5500	26/0	0.00	0.00			6.68	6.88		10.12			Pass
HE20	MCS0	2	100	5500	52/37	0.00	0.00			6.39	6.88		10.12			Pass
HE20	MCS0	2	100	5500	106/53	0.00	0.00			6.61	6.88		10.12			Pass
HE20	MCS0	2	116	5600	Full	0.00	0.00			6.67	6.88		10.12			Pass
HE20	MCS0	2	120	5600	26/4	0.00	0.00			6.51	6.88		10.12			Pass
HE20	MCS0	2	120	5600	52/38	0.00	0.00			6.25	6.88		10.12			Pass
HE20	MCS0	2	120	5600	106/53	0.00	0.00			6.62	6.88		10.12			Pass
HE20	MCS0	2	140	5700	Full	0.00	0.00			6.78	6.88		10.12			Pass
HE20	MCS0	2	140	5700	26/8	0.00	0.00	-		6.14	6.88		10.12		-	Pass
HE20	MCS0	2	140	5700	52/40	0.00	0.00			6.53	6.88		10.12			Pass
HE20	MCS0	2	140	5700	106/54	0.00	0.00			6.63	6.88		10.12			Pass
HE40	MCS0	2	102	5510	Full	0.02	0.02			5.28	6.88		10.12			Pass
HE40	MCS0	2	118	5590	Full	0.02	0.02			6.33	6.88		10.12			Pass
HE40	MCS0	2	134	5670	Full	0.02	0.02			6.37	6.88		10.12			Pass
HE80	MCS0	2	106	5530	Full	0.02	0.02			1.10	6.88		10.12			Pass
HE80	MCS0	2	122	5610	Full	0.02	0.02			3.27	6.88		10.12			Pass
HE160	MCS0	2	114	5570	Full	0.01	0.01			-0.74	6.88		10.12			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	0.00	0.00			6.47	6.88		10.12			Pass
HE20	MCS0	2	144	5720	26/8	0.00	0.00			6.07	6.88		10.12			Pass
HE20	MCS0	2	144	5720	52/40	0.00	0.00	-		6.16	6.88		10.12		-	Pass
HE20	MCS0	2	144	5720	106/54	0.00	0.00			6.14	6.88		10.12			Pass
HE40	MCS0	2	142	5710	Full	0.02	0.02			6.29	6.88		10.12			Pass
HE80	MCS0	2	138	5690	Full	0.02	0.02			3.37	6.88		10.12			Pass

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TEST RESULTS DATA
Power Spectral Density

Band IV MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	0.04	0.04	2.22		7.44	7.36	10.45	26.80		9.20		Pass
11a	6Mbps	2	157	5785	0.04	0.04	2.22		6.99	6.99	10.00	26.80		9.20		Pass
11a	6Mbps	2	165	5825	0.04	0.04	2.22		7.59	7.77	10.78	26.80		9.20		Pass
HT20	MCS0	2	149	5745	0.00	0.00	2.22		7.27	7.23	10.28	26.80		9.20		Pass
HT20	MCS0	2	157	5785	0.00	0.00	2.22		7.10	7.02	10.11	26.80		9.20		Pass
HT20	MCS0	2	165	5825	0.00	0.00	2.22		6.94	7.19	10.20	26.80		9.20		Pass
HT40	MCS0	2	151	5755	0.02	0.02	2.22		4.86	4.68	7.87	26.80		9.20		Pass
HT40	MCS0	2	159	5795	0.02	0.02	2.22		4.48	4.34	7.49	26.80		9.20		Pass
VHT80	MCS0	2	155	5775	0.00	0.00	2.22		0.64	0.52	3.65	26.80		9.20		Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

TEST RESULTS DATA
Power Spectral Density

Band IV MIMO																		
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	0.00	0.00	2.22		6.39	6.58	9.59	26.80		9.20		Pass
HE20	MCS0	2	149	5745	26/0	0.00	0.00	2.22		6.43	5.98	9.44	26.80		9.20		Pass
HE20	MCS0	2	149	5745	52/37	0.00	0.00	2.22		6.55	6.12	9.56	26.80		9.20		Pass
HE20	MCS0	2	149	5745	106/53	0.00	0.00	2.22		6.53	5.72	9.54	26.80		9.20		Pass
HE20	MCS0	2	157	5785	Full	0.00	0.00	2.22		6.21	6.35	9.36	26.80		9.20		Pass
HE20	MCS0	2	157	5785	26/4	0.00	0.00	2.22		6.20	5.47	9.21	26.80		9.20		Pass
HE20	MCS0	2	157	5785	52/38	0.00	0.00	2.22		6.07	5.14	9.08	26.80		9.20		Pass
HE20	MCS0	2	157	5785	106/53	0.00	0.00	2.22		6.28	5.53	9.29	26.80		9.20		Pass
HE20	MCS0	2	165	5825	Full	0.00	0.00	2.22		6.90	7.06	10.07	26.80		9.20		Pass
HE20	MCS0	2	165	5825	26/8	0.00	0.00	2.22		6.96	5.61	9.97	26.80		9.20		Pass
HE20	MCS0	2	165	5825	52/40	0.00	0.00	2.22		6.97	5.68	9.98	26.80		9.20		Pass
HE20	MCS0	2	165	5825	106/54	0.00	0.00	2.22		7.03	6.79	10.04	26.80		9.20		Pass
HE40	MCS0	2	151	5755	Full	0.02	0.02	2.22		4.22	4.06	7.23	26.80		9.20		Pass
HE40	MCS0	2	159	5795	Full	0.02	0.02	2.22		3.43	3.43	6.44	26.80		9.20		Pass
HE80	MCS0	2	155	5775	Full	0.02	0.02	2.22		0.36	0.30	3.37	26.80		9.20		Pass

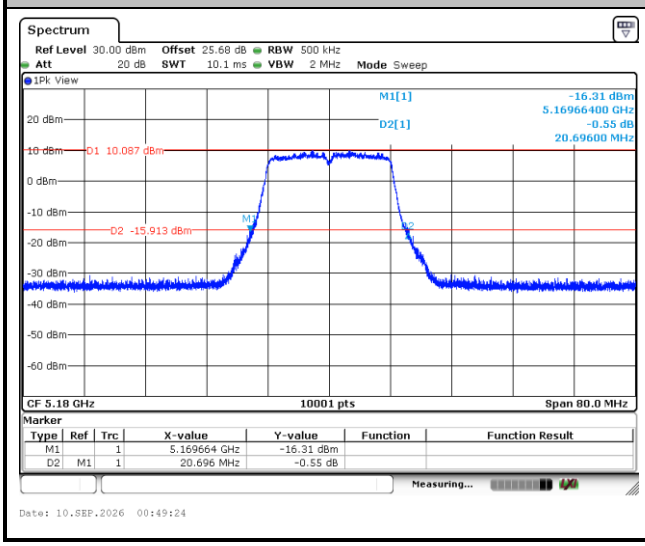
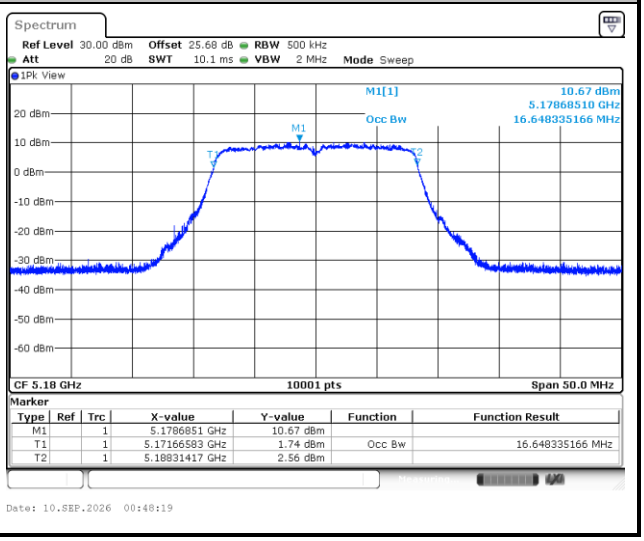
Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

<For UNII-1~2C>

Test Result of 26dB & 99% Occupied Bandwidth

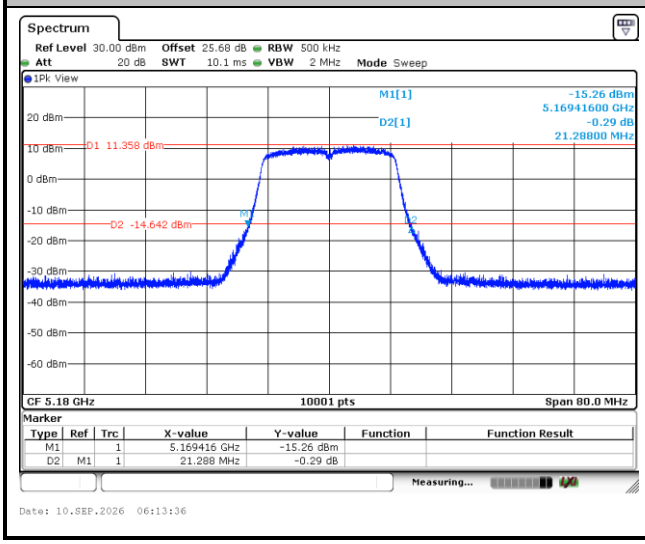
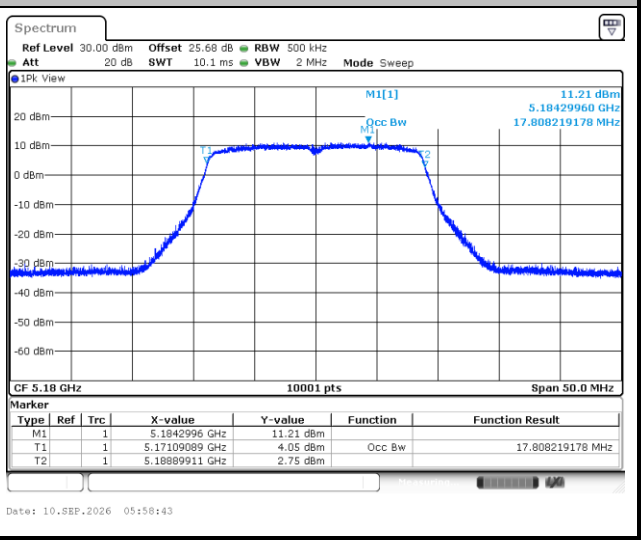
MIMO <Ant. 1+2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

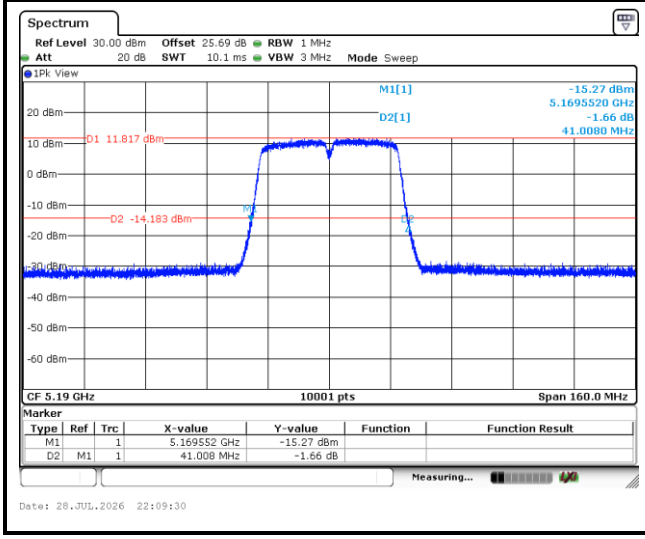
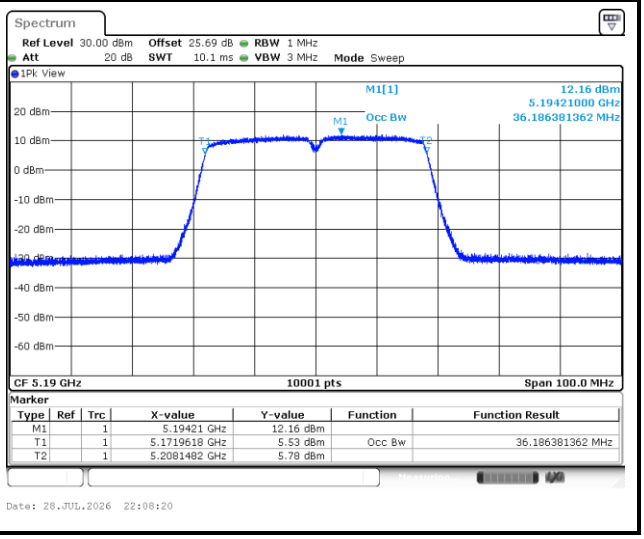
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

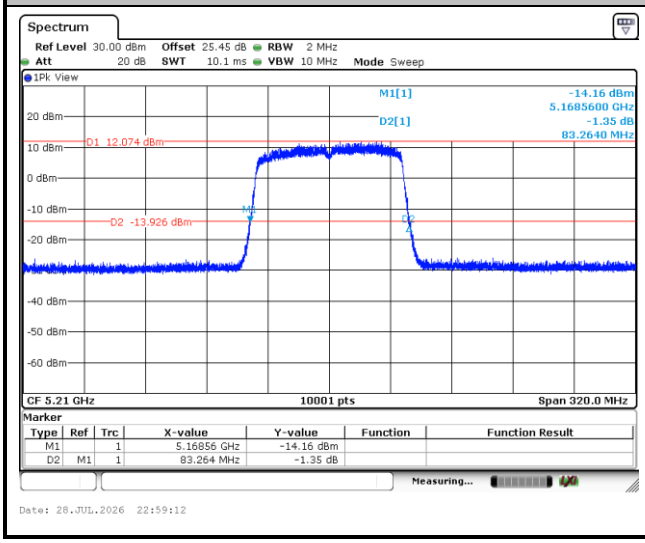
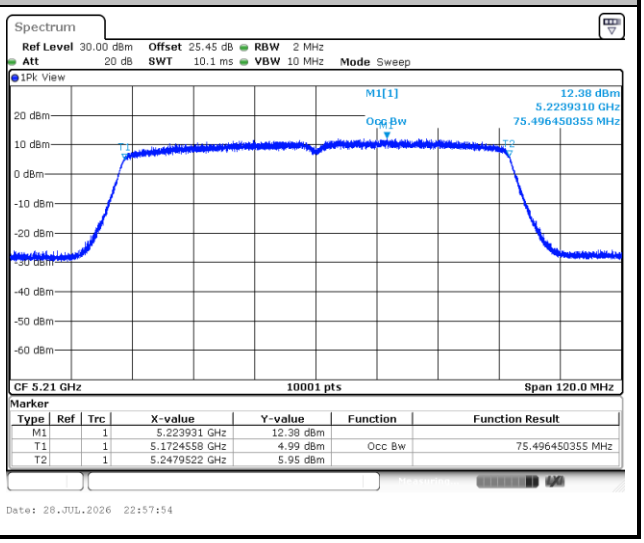
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT40>

26dB Bandwidth	99% Occupied Bandwidth
	

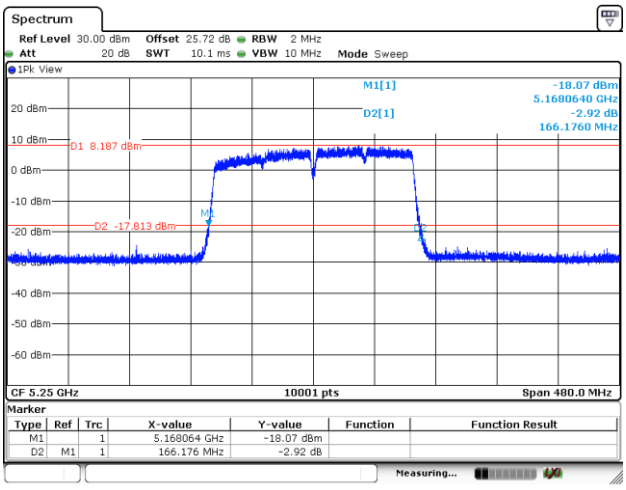
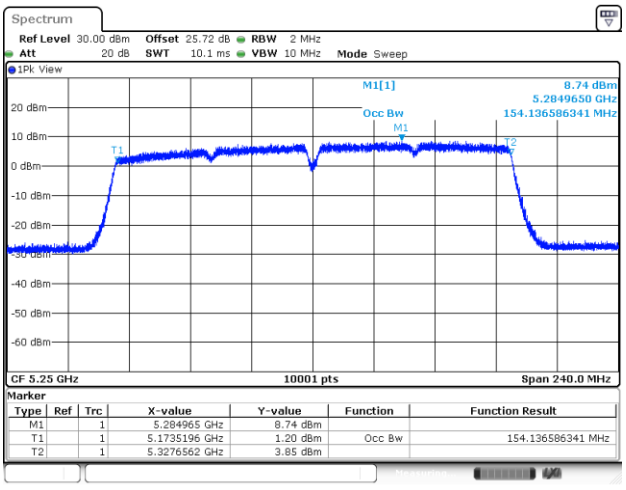
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

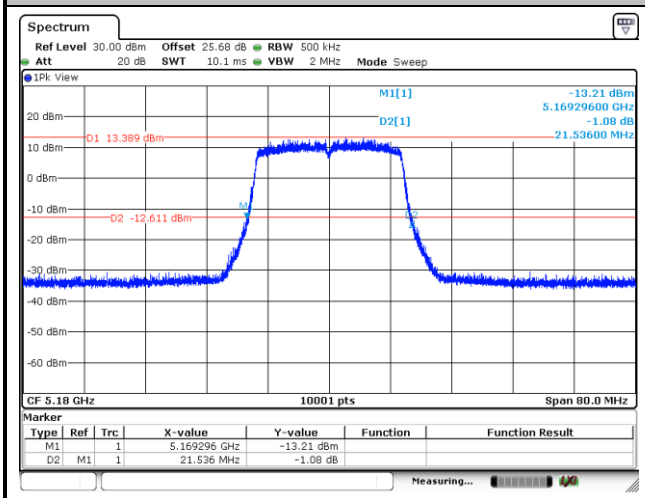
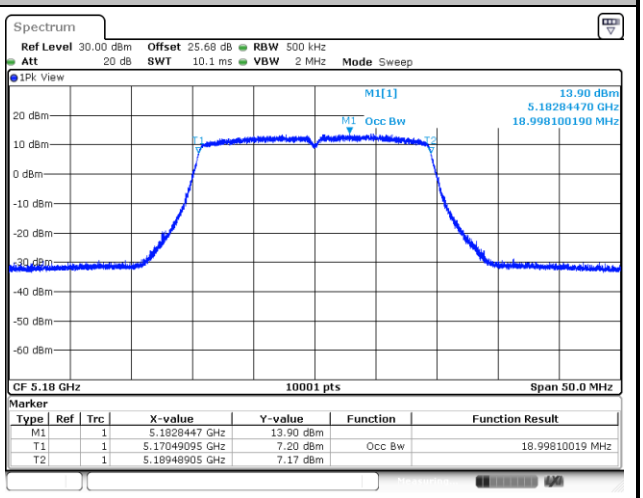
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT160>

26dB Bandwidth	99% Occupied Bandwidth
	

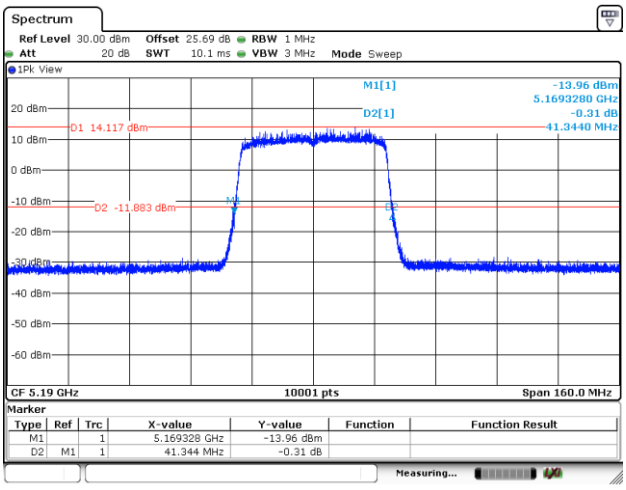
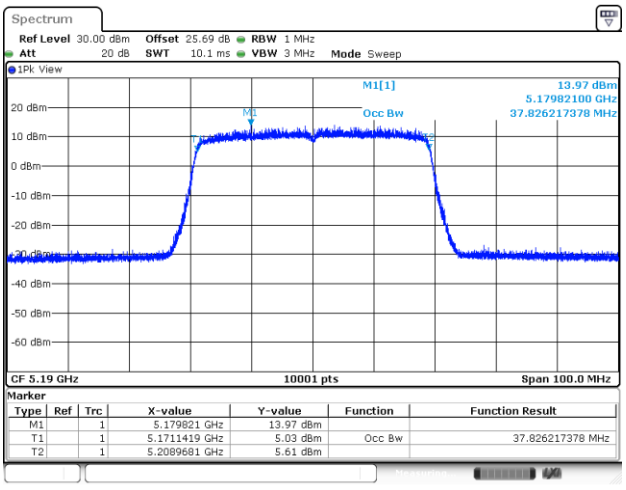
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

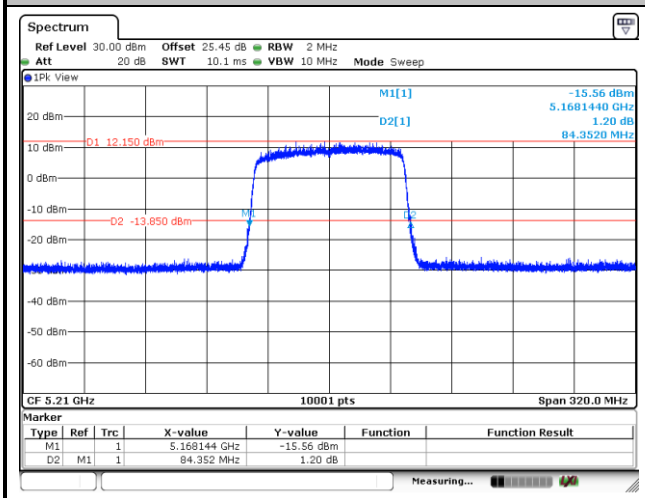
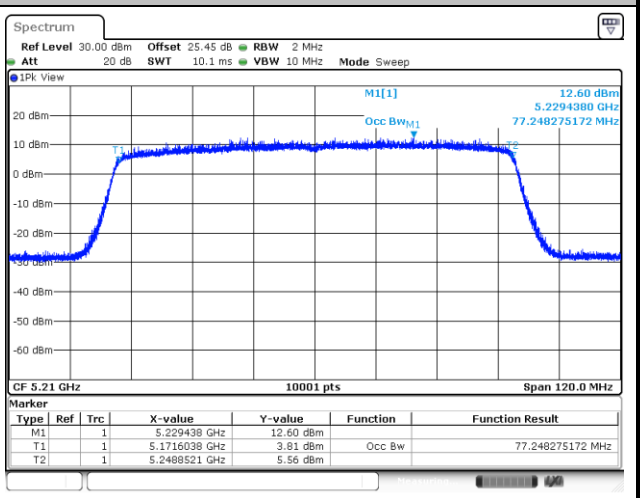
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

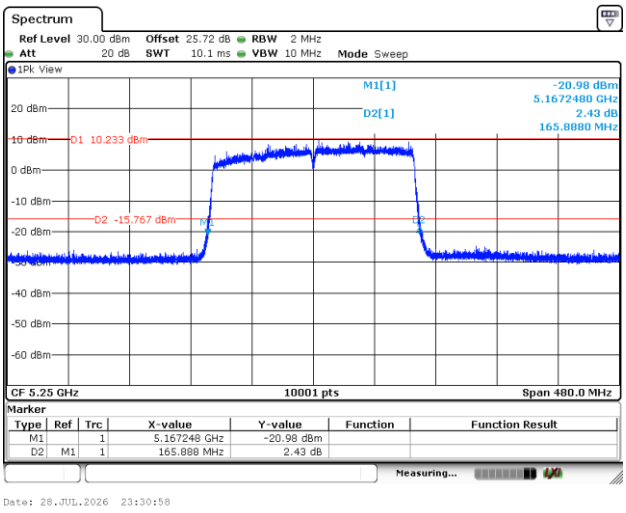
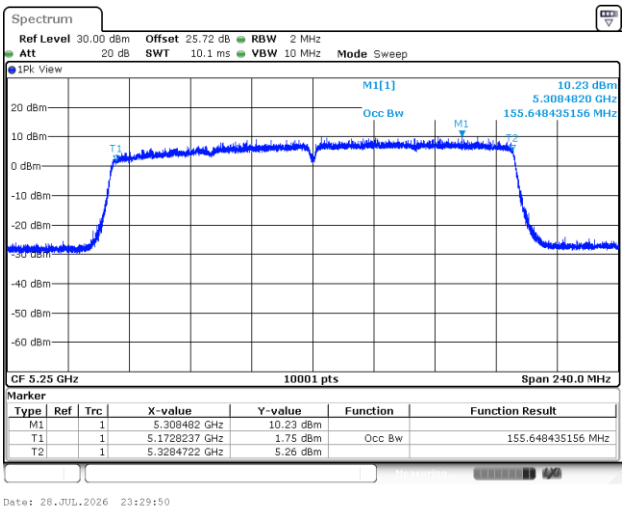
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE160>

26dB Bandwidth	99% Occupied Bandwidth
	

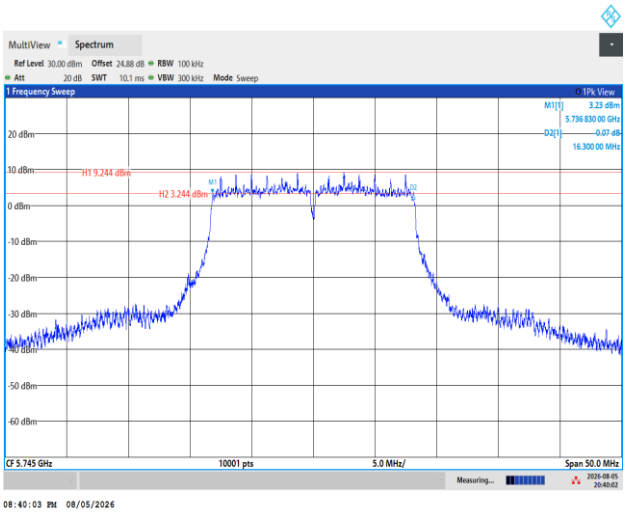
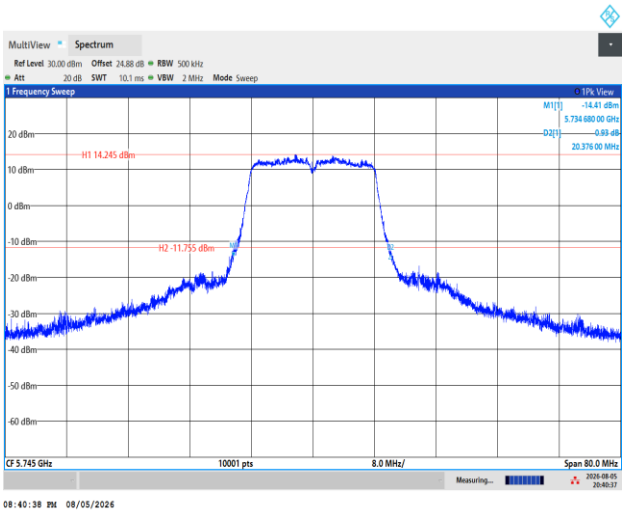
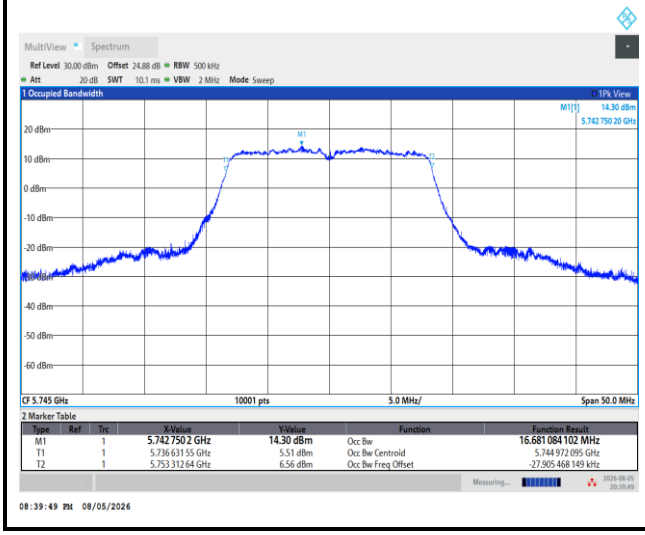
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<For UNII-3>

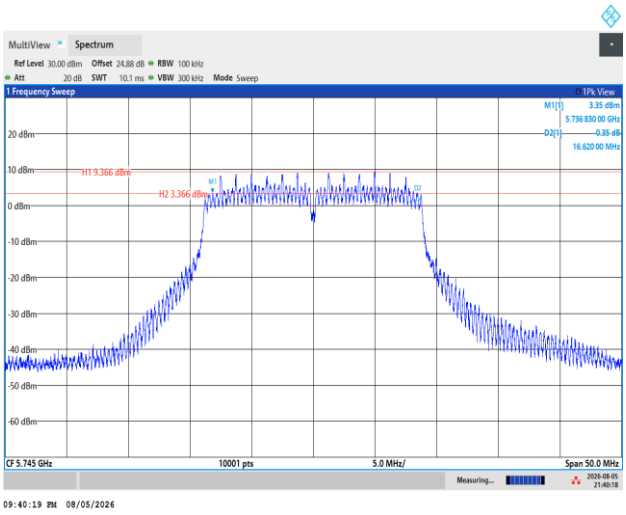
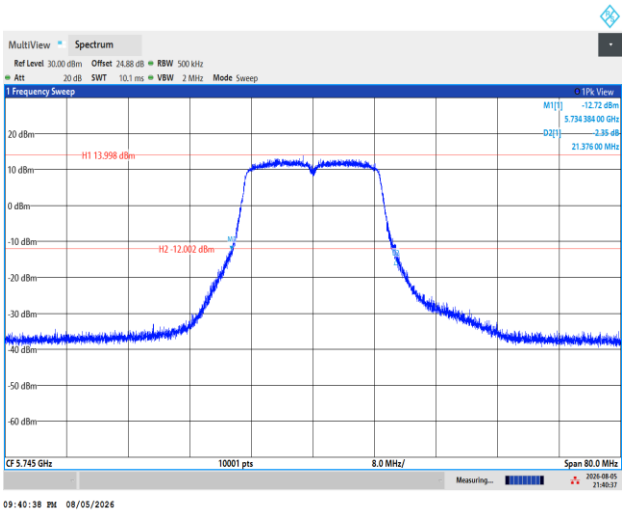
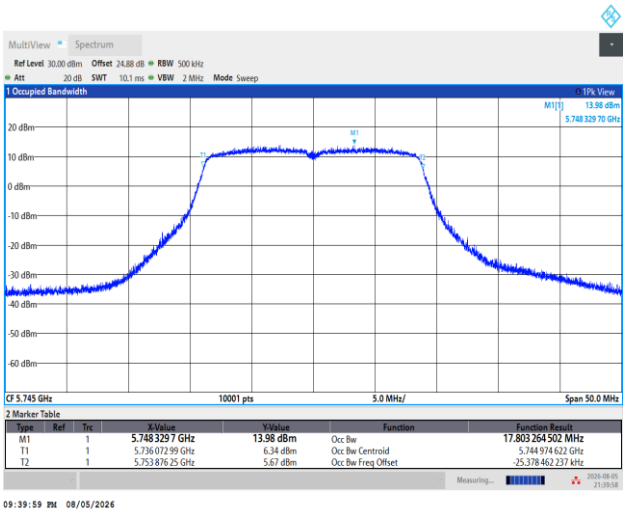
Test Result of 6dB and 26dB and 99% Occupied Bandwidth

MIMO <Ant. 1+2>

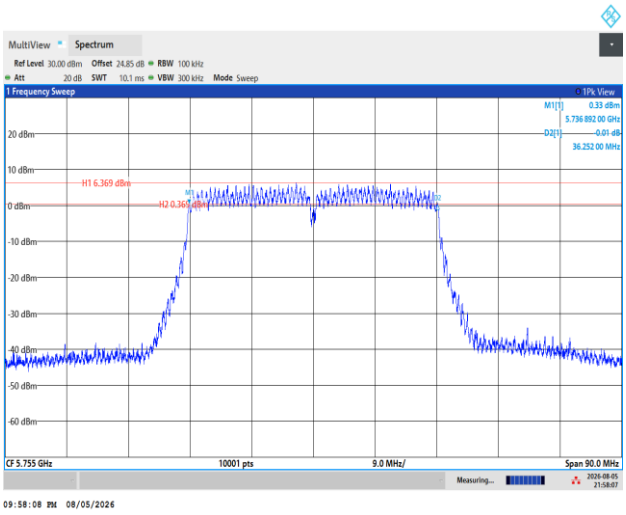
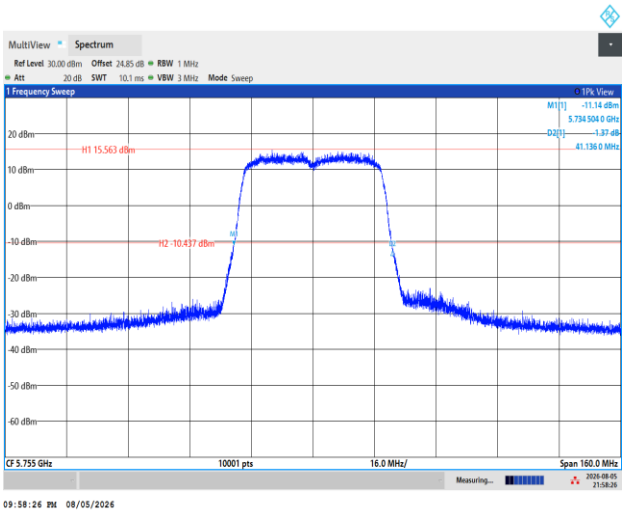
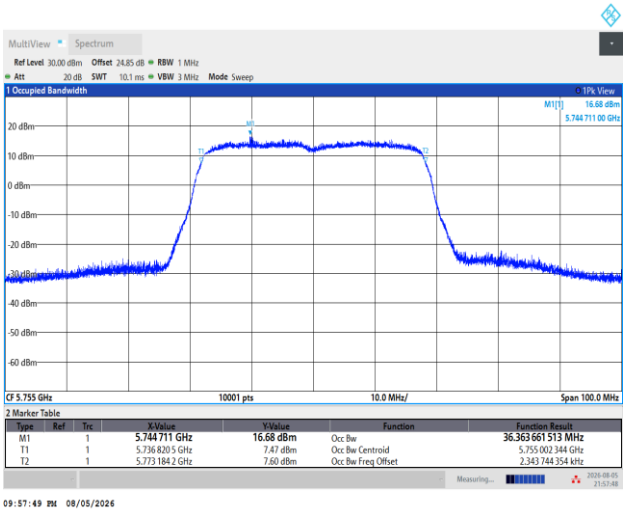
<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

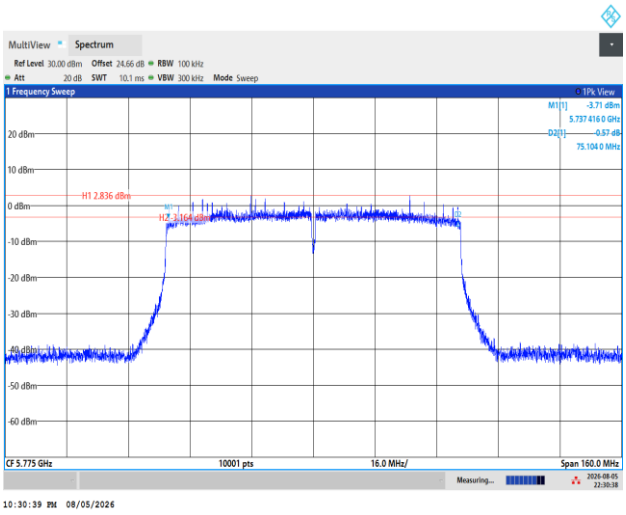
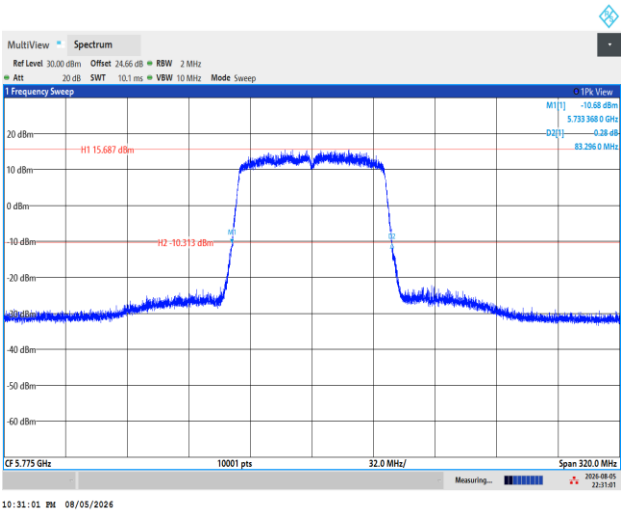
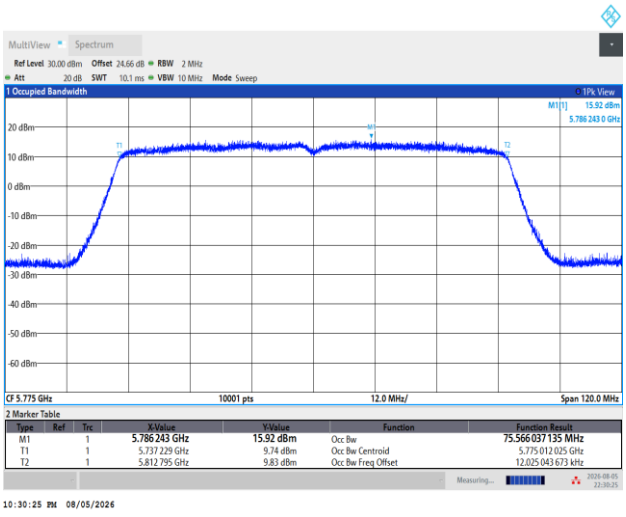
<802.11n HT20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

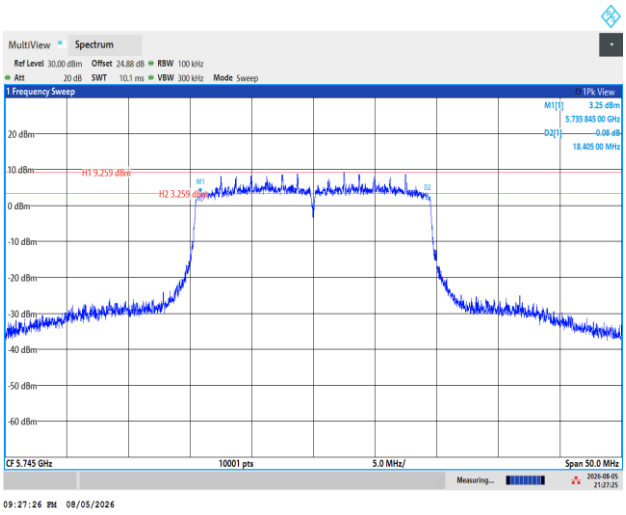
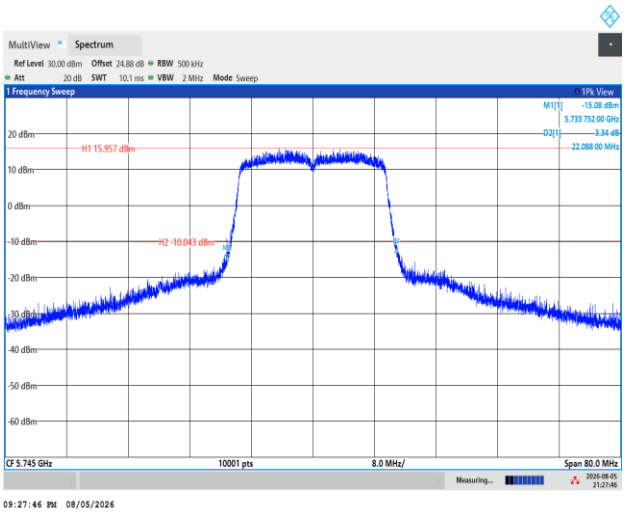
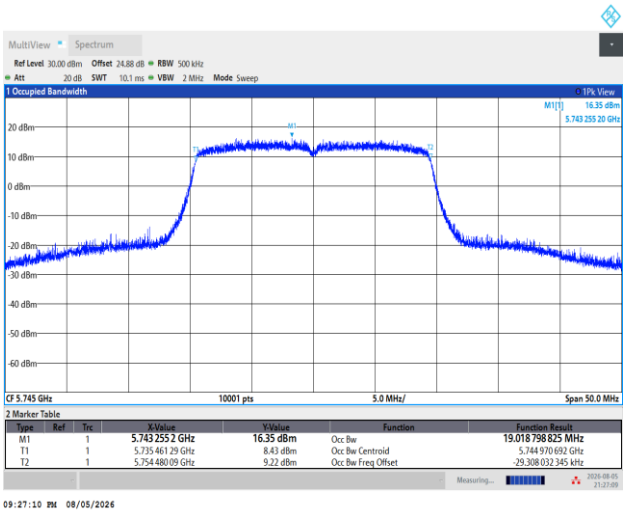
<802.11n HT40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

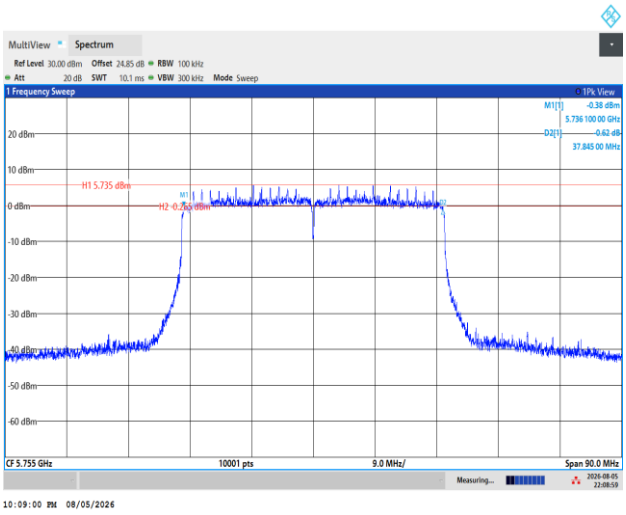
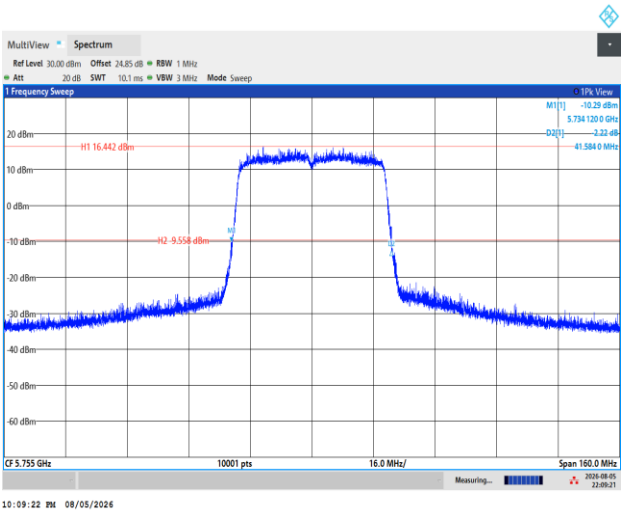
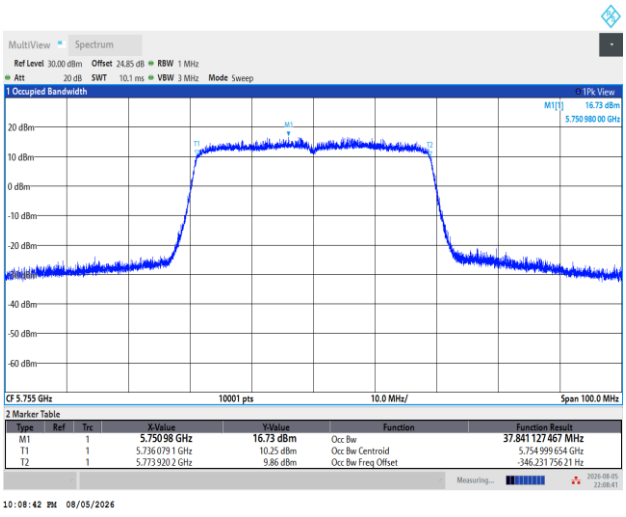
<802.11ac VHT80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

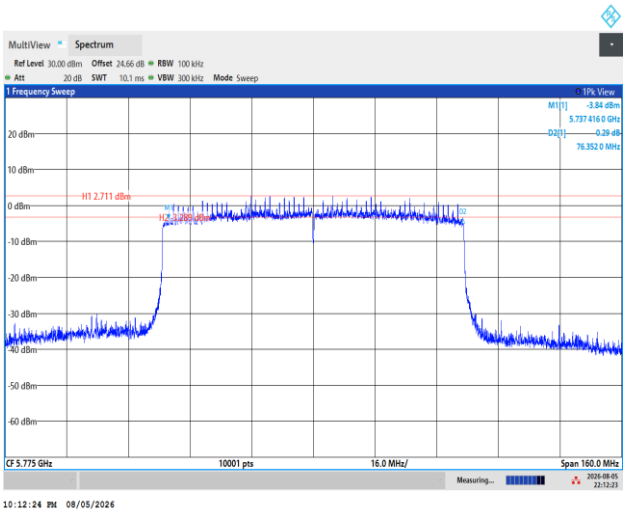
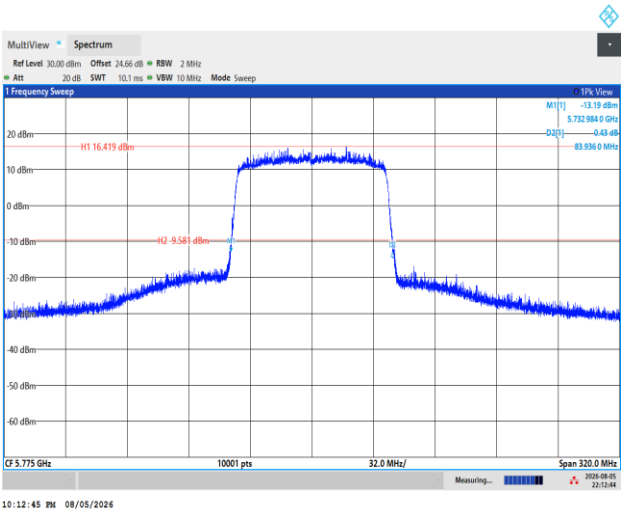
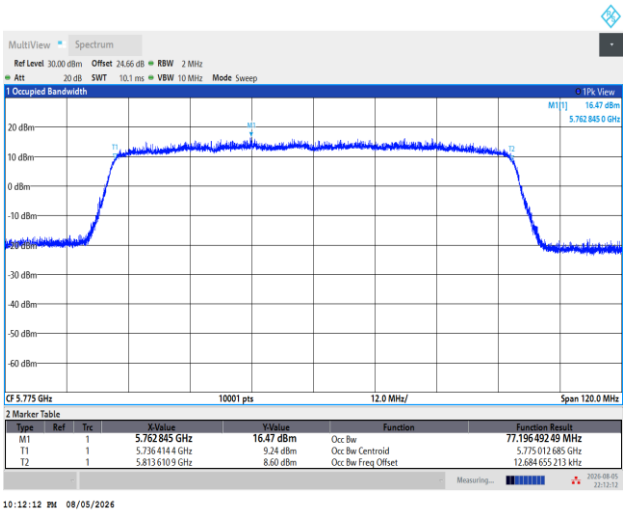
<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

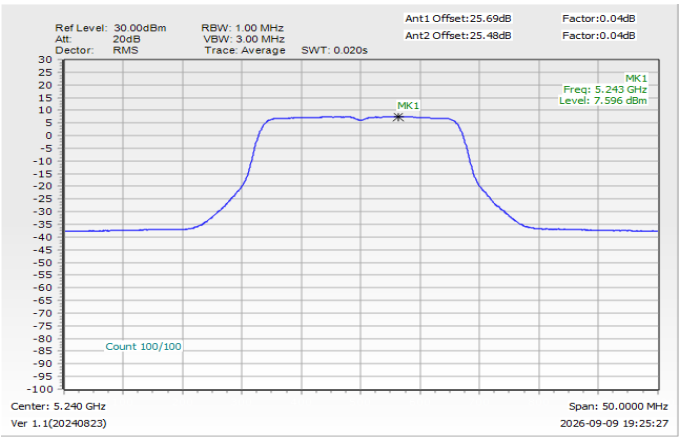
<802.11ax HE80>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

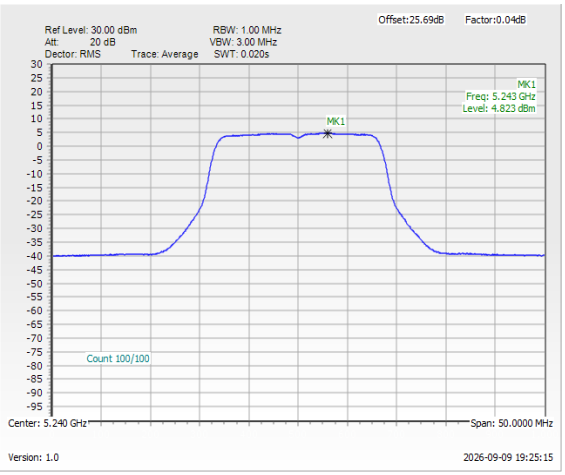
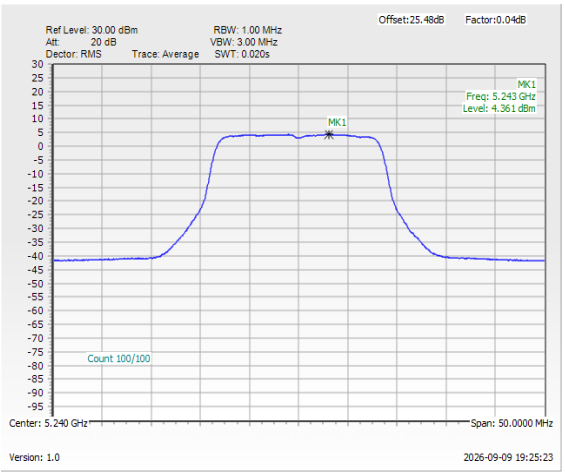
<For UNII-1~2C>

Test Result of Power Spectral Density

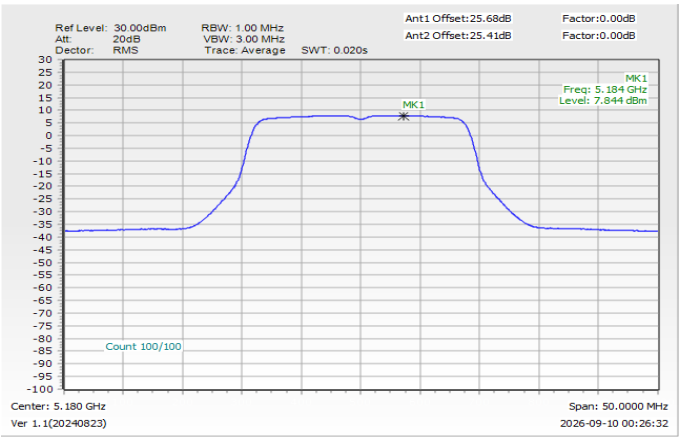
<802.11a>

Maximum Power Density Plot (dBm/MHz)


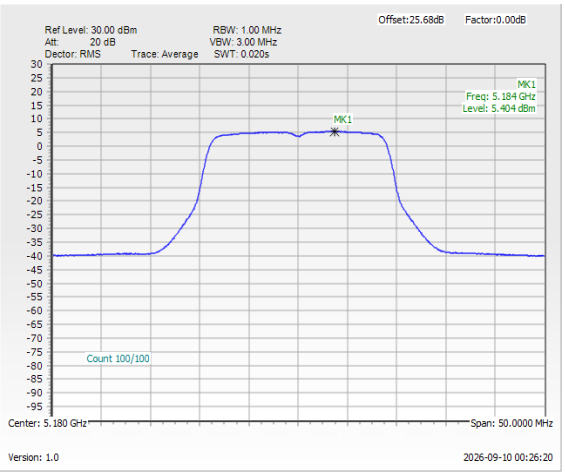
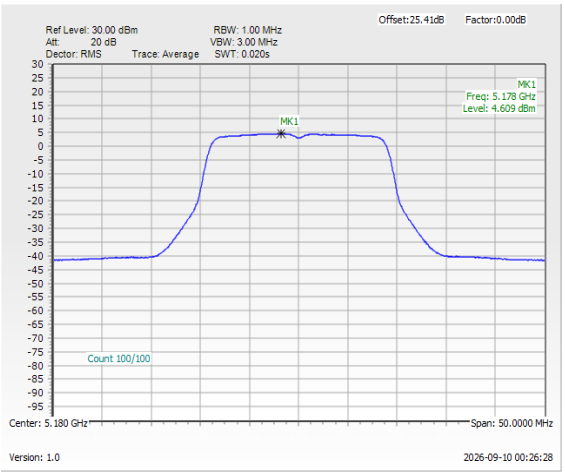
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

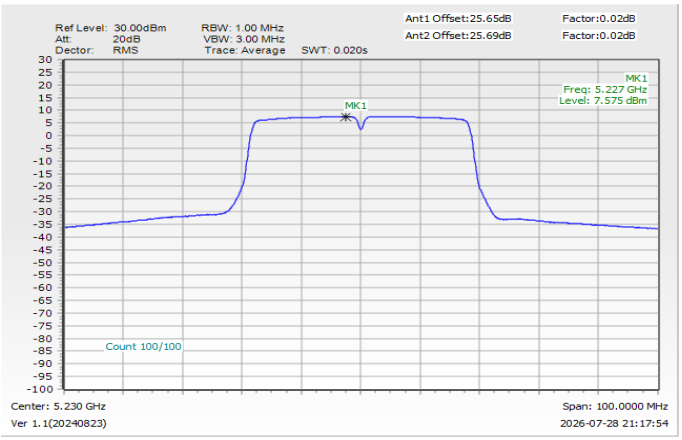
<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)


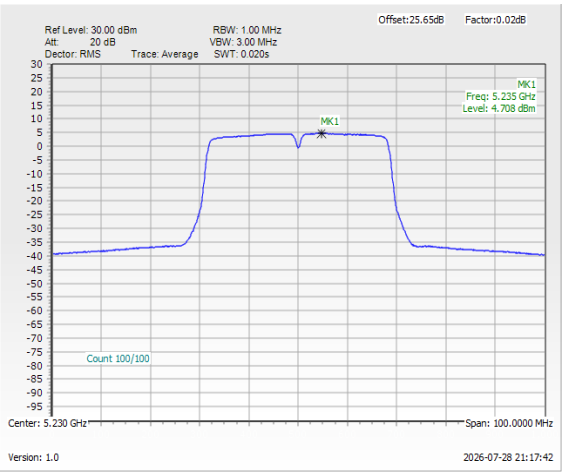
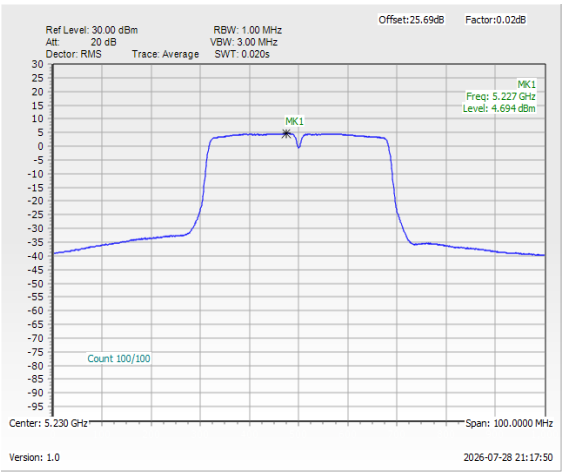
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

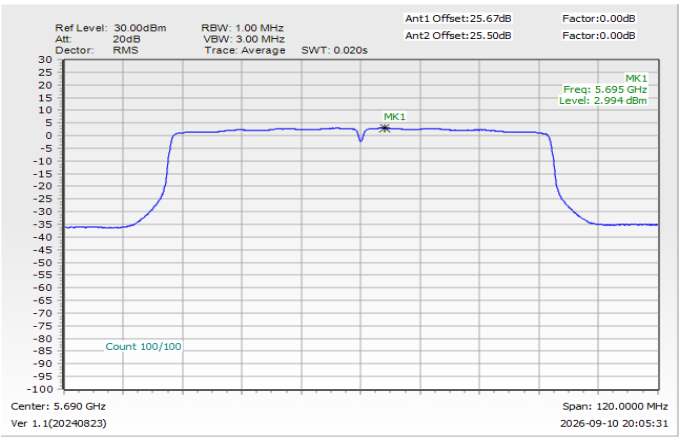
<802.11n HT40>

Maximum Power Density Plot (dBm/MHz)


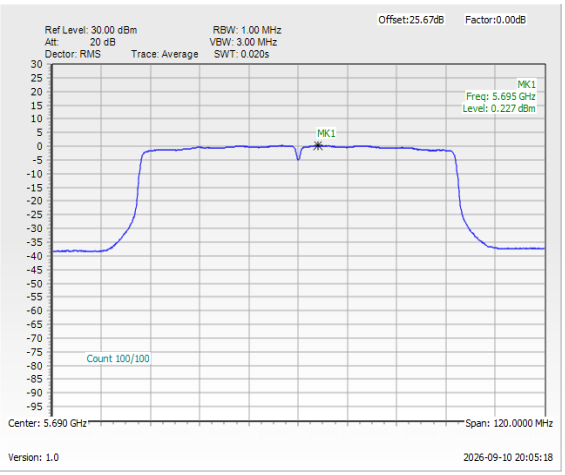
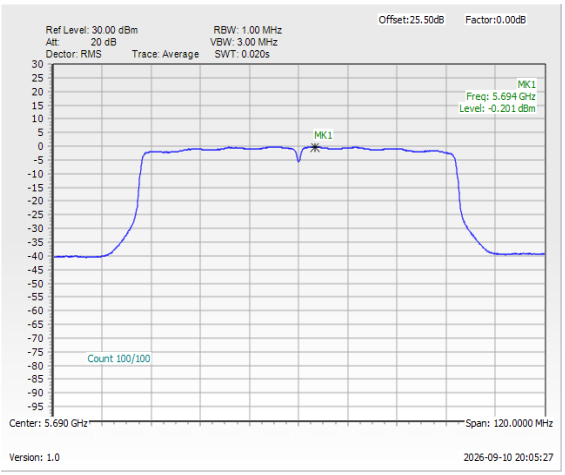
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

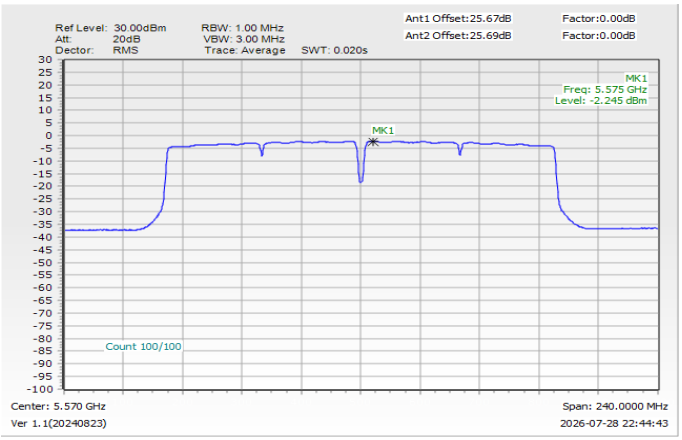
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


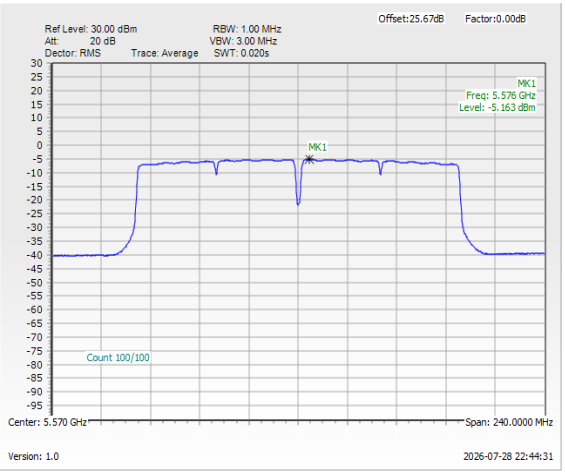
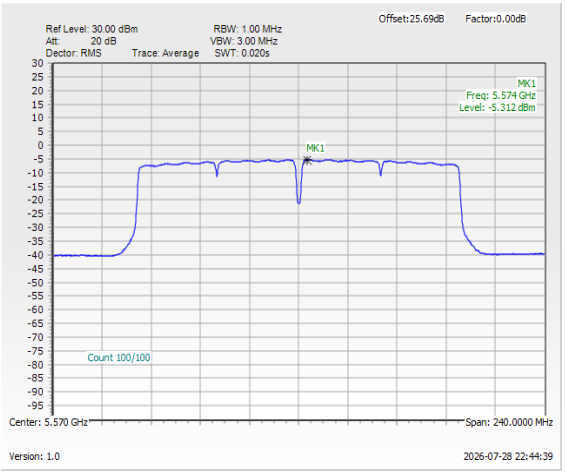
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

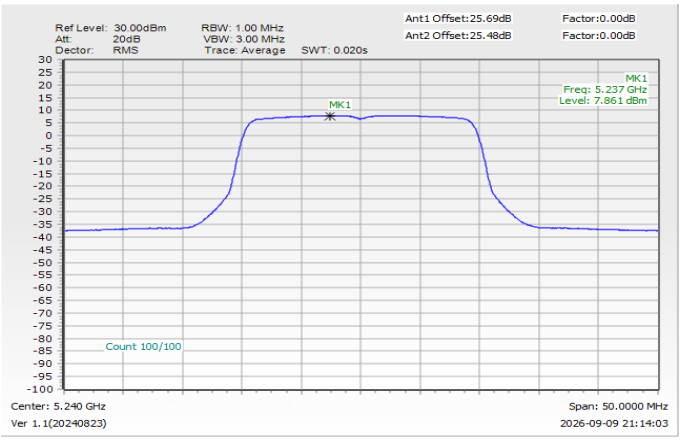
<802.11ac VHT160>

Maximum Power Density Plot (dBm/MHz)


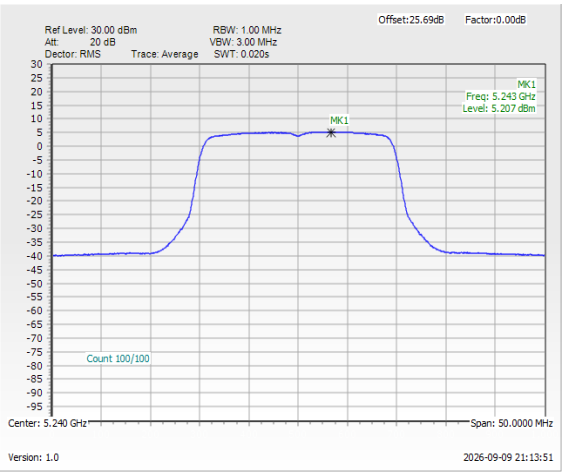
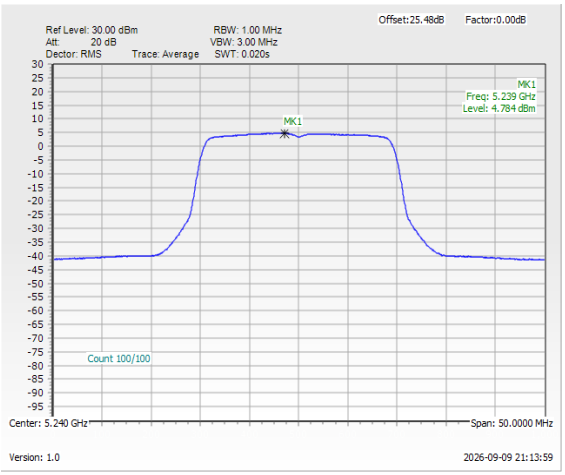
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

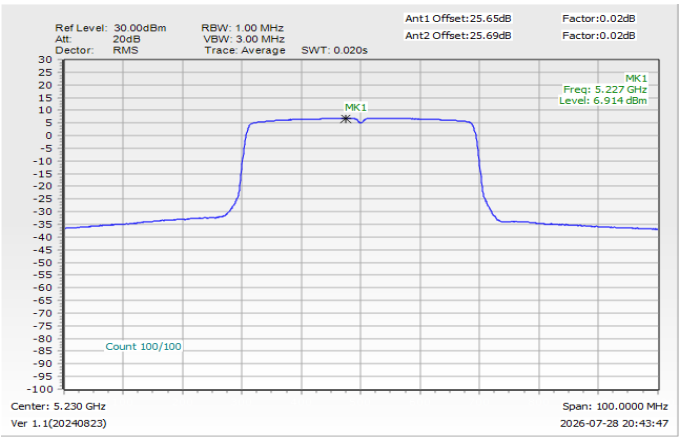
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


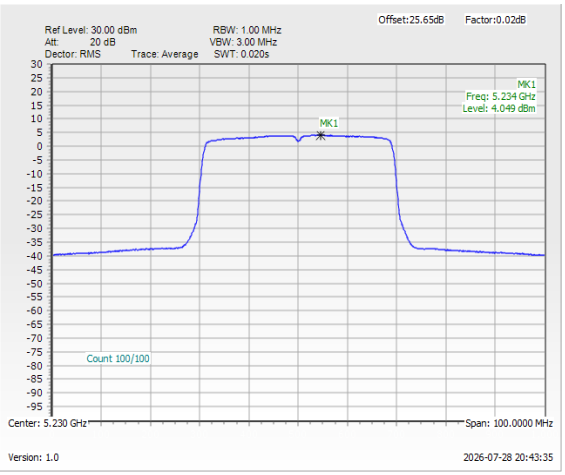
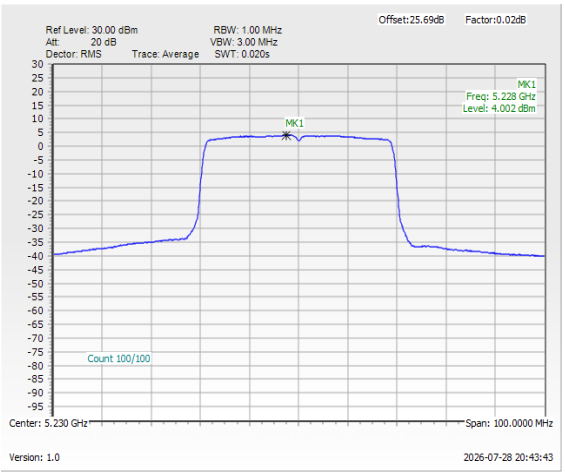
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

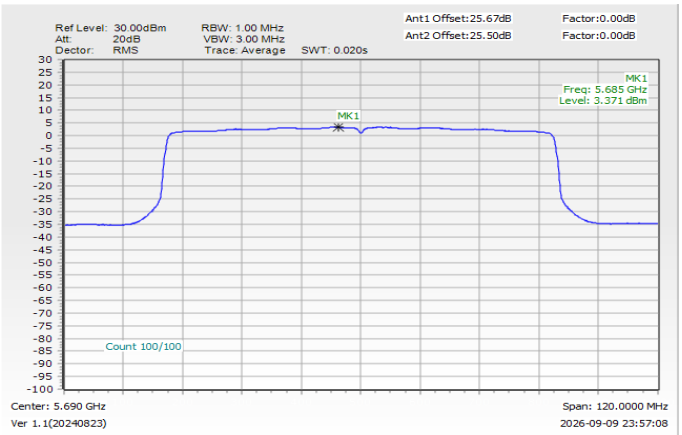
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


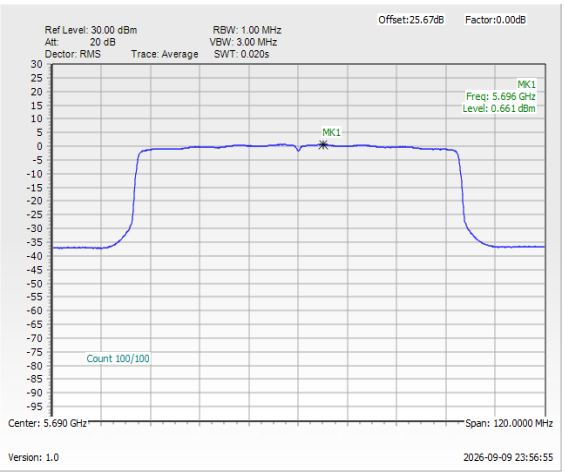
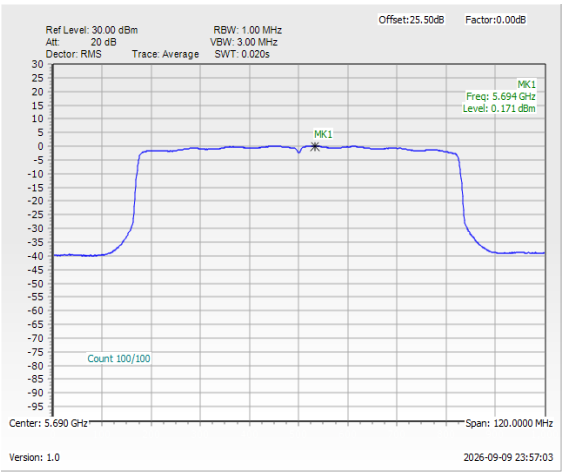
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

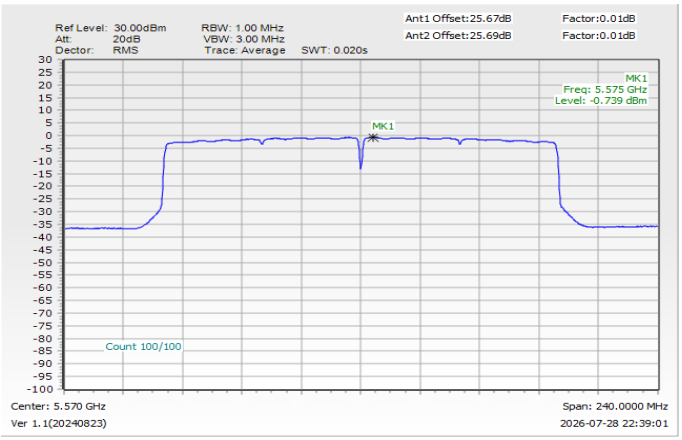
<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


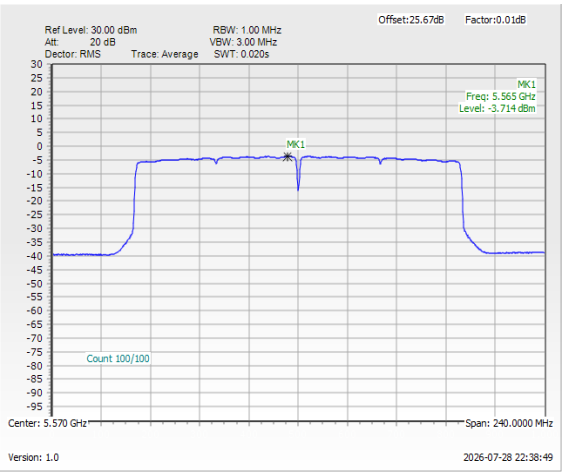
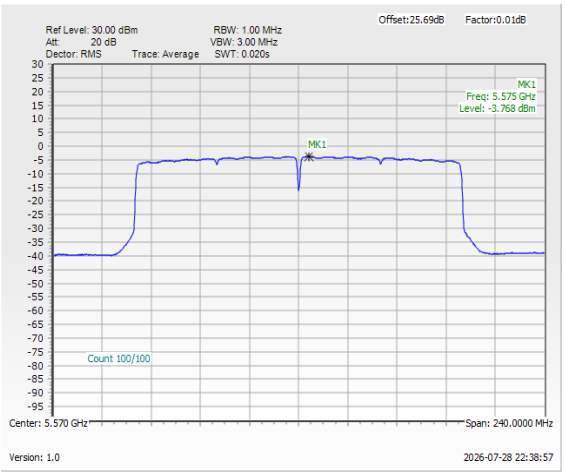
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE160>

Maximum Power Density Plot (dBm/MHz)


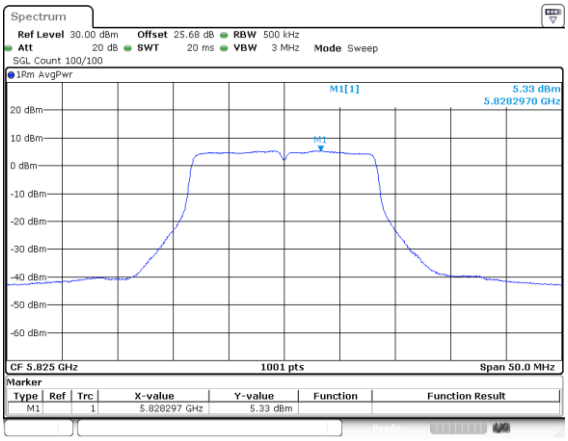
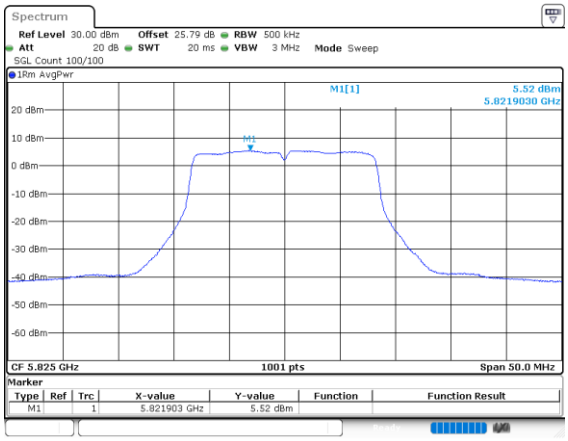
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

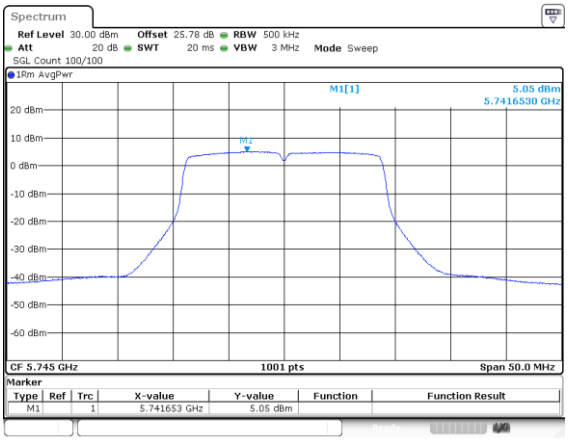
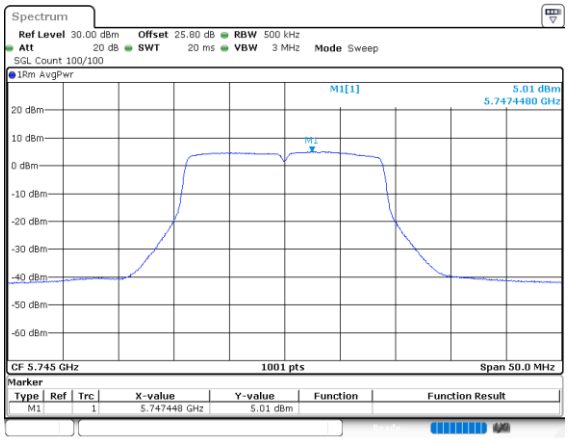
<For UNII-3>

Test Result of Power Spectral Density

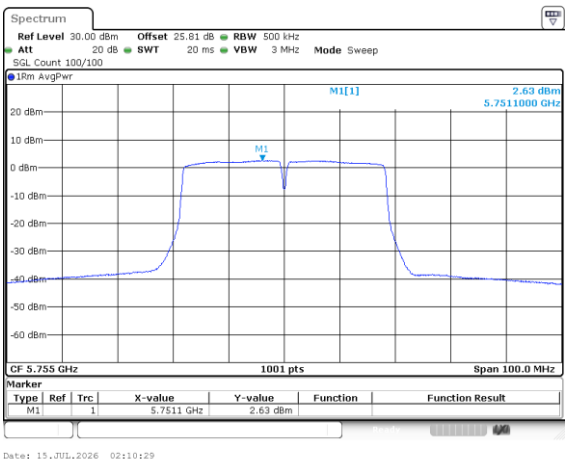
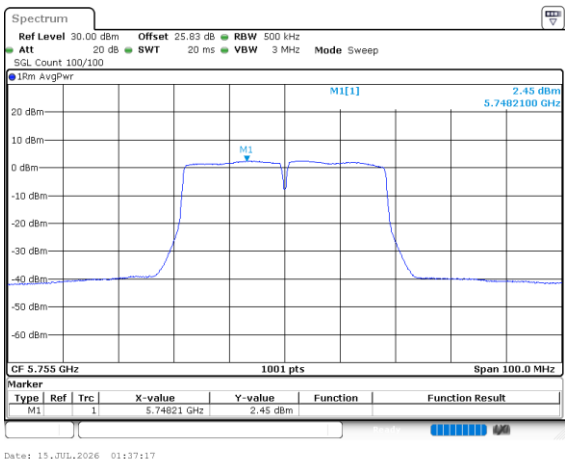
<802.11a>

Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	Ant. 2
	

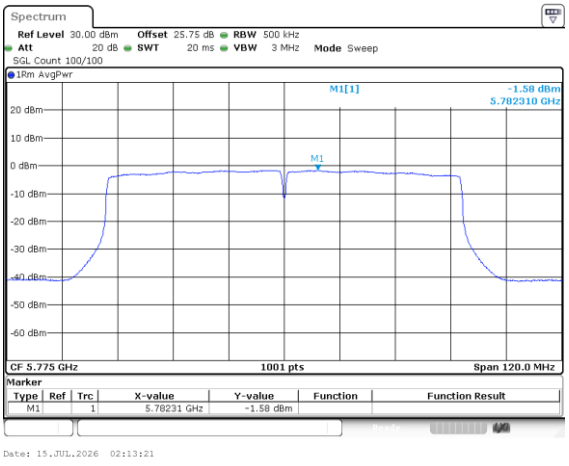
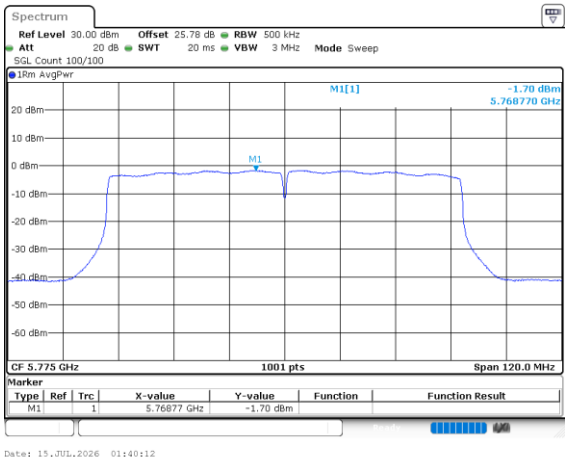
<802.11n HT20>

Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	Ant. 2
	

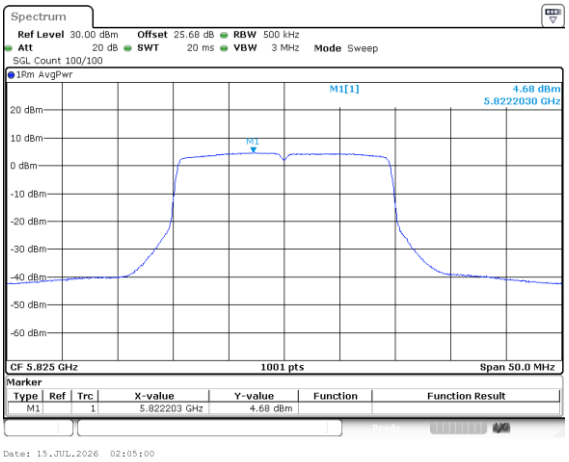
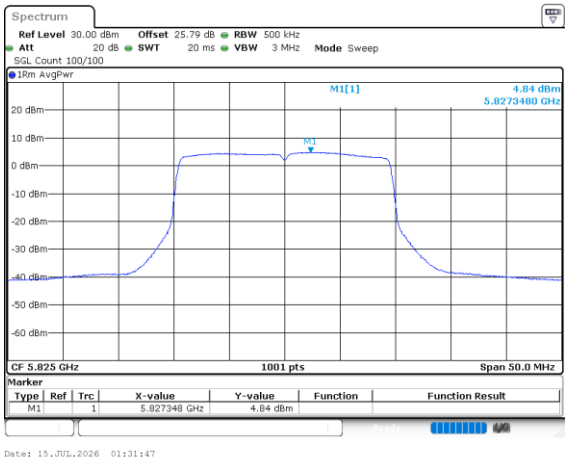
<802.11n HT40>

Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	**Ant. 2**
	

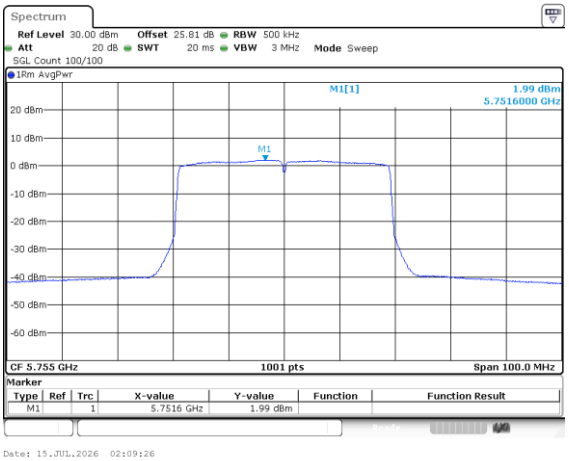
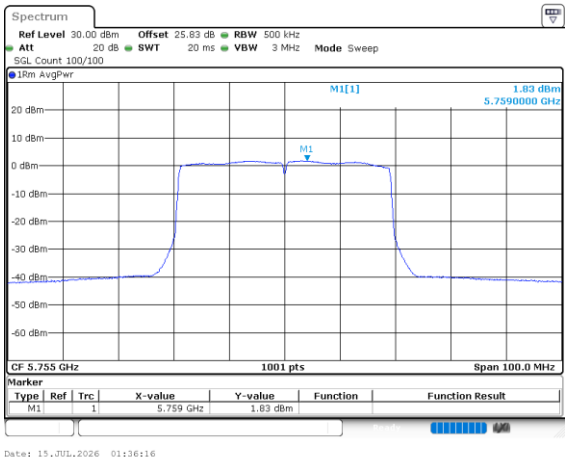
<802.11ac VHT80>

Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	**Ant. 2**
	

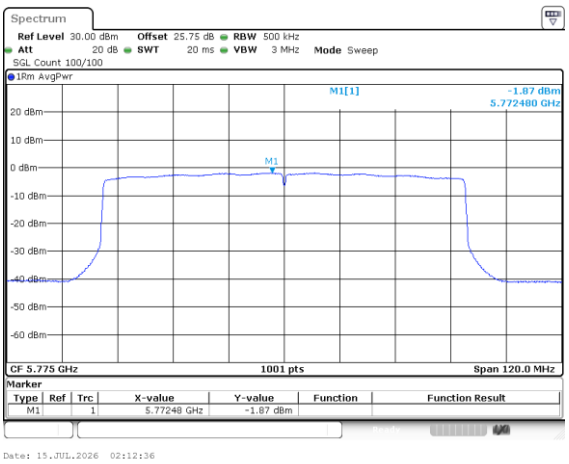
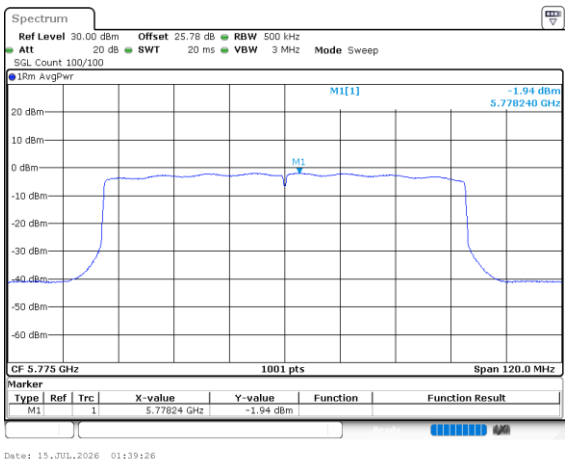
<802.11ax HE20>

Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	Ant. 2
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	Ant. 2
	

<802.11ax HE80>

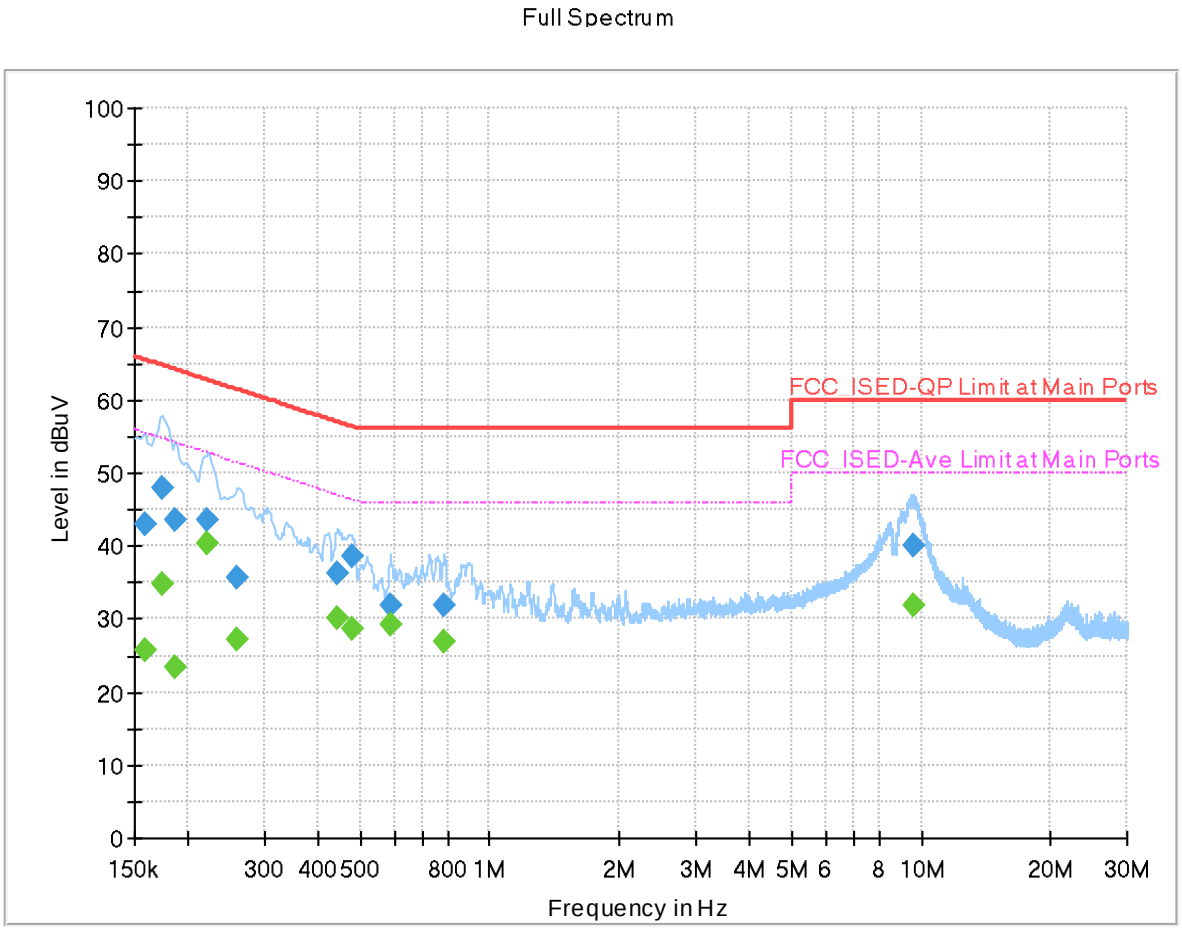
Maximum Power Density Plot (dBm/500kHz)	
Ant. 1	**Ant. 2**
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Brian Chen	**Temperature :**	23.6~26.7℃
		Relative Humidity :	40.5~48.7%

EUT Information

Report NO :	631827
Test Mode :	Mode 2
Test Voltage :	120Vac/60Hz
Phase :	Line

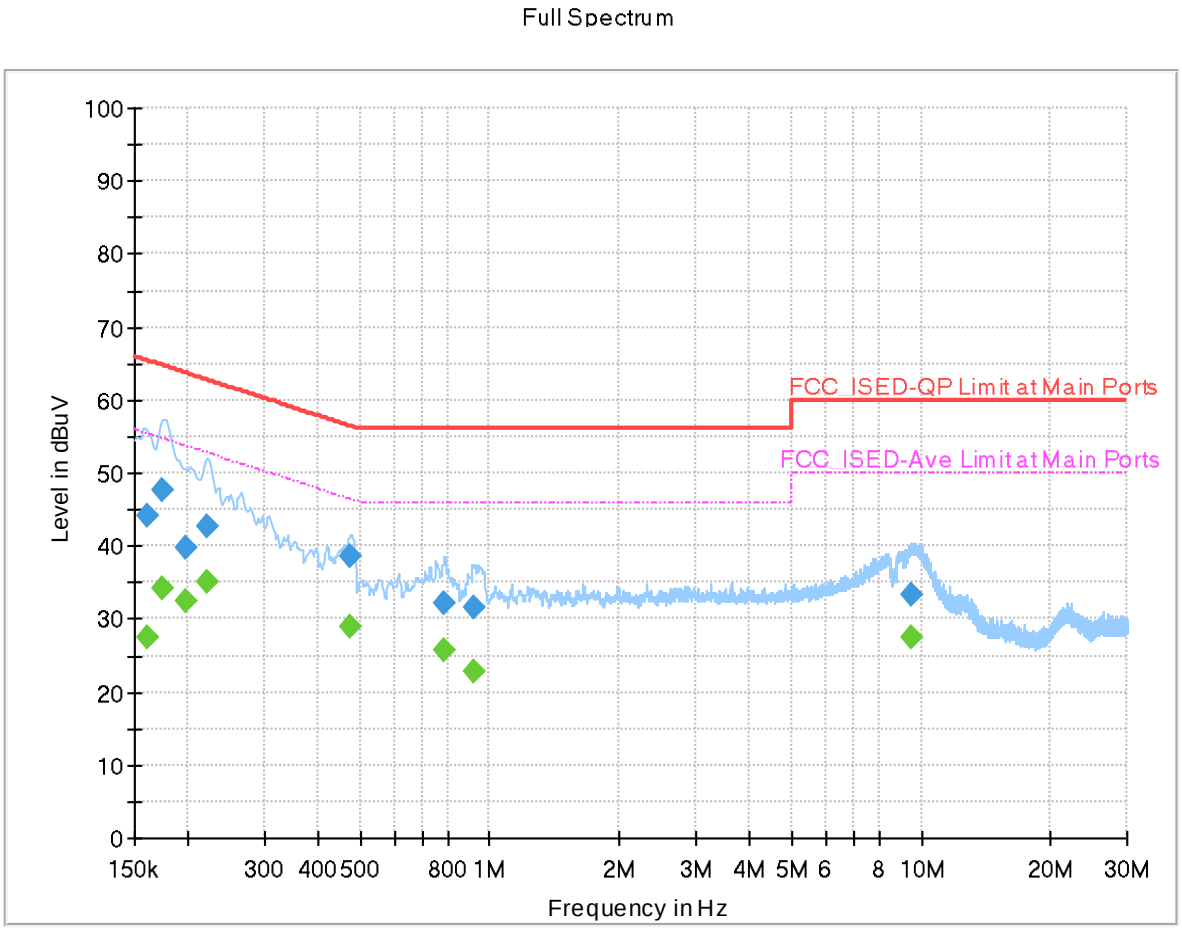


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	25.87	55.52	29.65	L1	ON	20.0
0.159000	42.97	---	65.52	22.55	L1	ON	20.0
0.174750	---	34.66	54.73	20.07	L1	ON	20.0
0.174750	47.93	---	64.73	16.80	L1	ON	20.0
0.186000	---	23.30	54.21	30.91	L1	ON	20.0
0.186000	43.48	---	64.21	20.73	L1	ON	20.0
0.222000	---	40.20	52.74	12.54	L1	ON	20.0
0.222000	43.69	---	62.74	19.05	L1	ON	20.0
0.260250	---	27.16	51.42	24.26	L1	ON	20.0
0.260250	35.76	---	61.42	25.66	L1	ON	20.0
0.444750	---	30.04	46.97	16.93	L1	ON	20.0
0.444750	36.12	---	56.97	20.85	L1	ON	20.0
0.478500	---	28.76	46.37	17.61	L1	ON	20.0
0.478500	38.59	---	56.37	17.78	L1	ON	20.0
0.588750	---	29.16	46.00	16.84	L1	ON	20.0
0.588750	31.85	---	56.00	24.15	L1	ON	20.0
0.784500	---	26.95	46.00	19.05	L1	ON	20.0
0.784500	31.73	---	56.00	24.27	L1	ON	20.0
9.627000	---	31.79	50.00	18.21	L1	ON	20.1
9.627000	40.11	---	60.00	19.89	L1	ON	20.1

EUT Information

Report NO :	631827
Test Mode :	Mode 2
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	27.63	55.40	27.77	N	ON	20.0
0.161250	44.28	---	65.40	21.12	N	ON	20.0
0.174750	---	34.28	54.73	20.45	N	ON	20.0
0.174750	47.67	---	64.73	17.06	N	ON	20.0
0.197250	---	32.34	53.73	21.39	N	ON	20.0
0.197250	39.77	---	63.73	23.96	N	ON	20.0
0.222000	---	35.16	52.74	17.58	N	ON	20.0
0.222000	42.61	---	62.74	20.13	N	ON	20.0
0.474000	---	28.87	46.44	17.57	N	ON	20.0
0.474000	38.46	---	56.44	17.98	N	ON	20.0
0.784500	---	25.82	46.00	20.18	N	ON	20.0
0.784500	32.12	---	56.00	23.88	N	ON	20.0
0.915000	---	22.95	46.00	23.05	N	ON	20.0
0.915000	31.69	---	56.00	24.31	N	ON	20.0
9.438000	---	27.40	50.00	22.60	N	ON	20.1
9.438000	33.32	---	60.00	26.68	N	ON	20.1

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Ryan Hung, Jacky Hong, and White Hou	**Temperature :**	21.2 ~26.3°C
		Relative Humidity :	45.2 ~ 53.6%

Note symbol

-L	**Low channel location**
-R	**High channel location**

C1.Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-1	5.15-5.25	MIMO	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	MIMO	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	MIMO	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-1	5.15-5.25	MIMO	802.11n HT20	36	5180	MCS0	-	-
Mode 5	U-NII-1	5.15-5.25	MIMO	802.11n HT20	44	5220	MCS0	-	-
Mode 6	U-NII-1	5.15-5.25	MIMO	802.11n HT20	48	5240	MCS0	-	-
Mode 7	U-NII-1	5.15-5.25	MIMO	802.11n HT40	38	5190	MCS0	-	-
Mode 8	U-NII-1	5.15-5.25	MIMO	802.11n HT40	46	5230	MCS0	-	-
Mode 9	U-NII-1	5.15-5.25	MIMO	802.11ac VHT80	42	5210	MCS0	-	-
Mode 10	U-NII-1	5.15-5.25	MIMO	802.11ac VHT160	50	5250	MCS0	-	-
Mode 11	U-NII-1	5.15-5.25	MIMO	802.11ax HE20	36	5180	MCS0	Full RU	-
Mode 12	U-NII-1	5.15-5.25	MIMO	802.11ax HE20	44	5220	MCS0	Full RU	-
Mode 13	U-NII-1	5.15-5.25	MIMO	802.11ax HE20	48	5240	MCS0	Full RU	-
Mode 14	U-NII-1	5.15-5.25	MIMO	802.11ax HE40	38	5190	MCS0	Full RU	-
Mode 15	U-NII-1	5.15-5.25	MIMO	802.11ax HE40	46	5230	MCS0	Full RU	-
Mode 16	U-NII-1	5.15-5.25	MIMO	802.11ax HE80	42	5210	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 17	U-NII-1	5.15-5.25	MIMO	802.11ax HE160	50	5250	MCS0	Full RU	-
Mode 18	U-NII-1	5.15-5.25	MIMO	802.11ax HE20	36	5180	MCS0	106RU	Index 53
Mode 19	U-NII-2A	5.25-5.35	MIMO	802.11a	52	5260	6Mbps	-	-
Mode 20	U-NII-2A	5.25-5.35	MIMO	802.11a	60	5300	6Mbps	-	-
Mode 21	U-NII-2A	5.25-5.35	MIMO	802.11a	64	5320	6Mbps	-	-
Mode 22	U-NII-2A	5.25-5.35	MIMO	802.11n HT20	52	5260	MCS0	-	-
Mode 23	U-NII-2A	5.25-5.35	MIMO	802.11n HT20	60	5300	MCS0	-	-
Mode 24	U-NII-2A	5.25-5.35	MIMO	802.11n HT20	64	5320	MCS0	-	-
Mode 25	U-NII-2A	5.25-5.35	MIMO	802.11n HT40	54	5270	MCS0	-	-
Mode 26	U-NII-2A	5.25-5.35	MIMO	802.11n HT40	62	5310	MCS0	-	-
Mode 27	U-NII-2A	5.25-5.35	MIMO	802.11ac VHT80	58	5290	MCS0	-	-
Mode 28	U-NII-2A	5.25-5.35	MIMO	802.11ax HE20	52	5260	MCS0	Full RU	-
Mode 29	U-NII-2A	5.25-5.35	MIMO	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 30	U-NII-2A	5.25-5.35	MIMO	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 31	U-NII-2A	5.25-5.35	MIMO	802.11ax HE40	54	5270	MCS0	Full RU	-
Mode 32	U-NII-2A	5.25-5.35	MIMO	802.11ax HE40	62	5310	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 33	U-NII-2A	5.25-5.35	MIMO	802.11ax HE80	58	5290	MCS0	Full RU	-
Mode 34	U-NII-2A	5.25-5.35	MIMO	802.11ax HE20	64	5320	MCS0	106RU	Index 54
Mode 35	U-NII-2C	5.47-5.725	MIMO	802.11a	100	5500	6Mbps	-	-
Mode 36	U-NII-2C	5.47-5.725	MIMO	802.11a	120	5600	6Mbps	-	-
Mode 37	U-NII-2C	5.47-5.725	MIMO	802.11a	140	5700	6Mbps	-	-
Mode 38	U-NII-2C	5.47-5.725	MIMO	802.11n HT20	100	5500	MCS0	-	-
Mode 39	U-NII-2C	5.47-5.725	MIMO	802.11n HT20	120	5600	MCS0	-	-
Mode 40	U-NII-2C	5.47-5.725	MIMO	802.11n HT20	140	5700	MCS0	-	-
Mode 41	U-NII-2C	5.47-5.725	MIMO	802.11n HT40	102	5510	MCS0	-	-
Mode 42	U-NII-2C	5.47-5.725	MIMO	802.11n HT40	118	5590	MCS0	-	-
Mode 43	U-NII-2C	5.47-5.725	MIMO	802.11n HT40	134	5670	MCS0	-	-
Mode 44	U-NII-2C	5.47-5.725	MIMO	802.11ac VHT80	106	5530	MCS0	-	-
Mode 45	U-NII-2C	5.47-5.725	MIMO	802.11ac VHT80	122	5610	MCS0	-	-
Mode 46	U-NII-2C	5.47-5.725	MIMO	802.11ac VHT160	114	5570	MCS0	-	-
Mode 47	U-NII-2C	5.47-5.725	MIMO	802.11ax HE20	100	5500	MCS0	Full RU	-
Mode 48	U-NII-2C	5.47-5.725	MIMO	802.11ax HE20	120	5600	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 49	U-NII-2C	5.47-5.725	MIMO	802.11ax HE20	140	5700	MCS0	Full RU	-
Mode 50	U-NII-2C	5.47-5.725	MIMO	802.11ax HE40	102	5510	MCS0	Full RU	-
Mode 51	U-NII-2C	5.47-5.725	MIMO	802.11ax HE40	118	5590	MCS0	Full RU	-
Mode 52	U-NII-2C	5.47-5.725	MIMO	802.11ax HE40	134	5670	MCS0	Full RU	-
Mode 53	U-NII-2C	5.47-5.725	MIMO	802.11ax HE80	106	5530	MCS0	Full RU	-
Mode 54	U-NII-2C	5.47-5.725	MIMO	802.11ax HE80	122	5610	MCS0	Full RU	-
Mode 55	U-NII-2C	5.47-5.725	MIMO	802.11ax HE160	114	5570	MCS0	Full RU	-
Mode 56	U-NII-2C	5.47-5.725	MIMO	802.11ax HE20	100	5500	MCS0	106RU	Index 53
Mode 57	U-NII-2C	5.47-5.725	MIMO	802.11ax HE20	140	5700	MCS0	106RU	Index 54
Mode 58	U-NII-2C	5.47-5.725	MIMO	802.11a	144	5720	6Mbps	-	-
Mode 59	U-NII-2C	5.47-5.725	MIMO	802.11n HT20	144	5720	MCS0	-	-
Mode 60	U-NII-2C	5.47-5.725	MIMO	802.11n HT40	142	5710	MCS0	-	-
Mode 61	U-NII-2C	5.47-5.725	MIMO	802.11ac VHT80	138	5690	MCS0	-	-
Mode 62	U-NII-2C	5.47-5.725	MIMO	802.11ax HE20	144	5720	MCS0	Full RU	-
Mode 63	U-NII-2C	5.47-5.725	MIMO	802.11ax HE40	142	5710	MCS0	Full RU	-
Mode 64	U-NII-2C	5.47-5.725	MIMO	802.11ax HE80	138	5690	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 65	U-NII-2A	5.25-5.35	MIMO	802.11ax HE80	58	5290	MCS0	Full RU	LF
Mode 66	U-NII-2A	5.25-5.35	MIMO	802.11ax HE80	58	5290	MCS0	Full RU	SHF
Mode 67	U-NII-3	5.725-5.85	MIMO	802.11a	149	5745	6Mbps	-	-
Mode 68	U-NII-3	5.725-5.85	MIMO	802.11a	157	5785	6Mbps	-	-
Mode 69	U-NII-3	5.725-5.85	MIMO	802.11a	165	5825	6Mbps	-	-
Mode 70	U-NII-3	5.725-5.85	MIMO	802.11n HT20	149	5745	MCS0	-	-
Mode 71	U-NII-3	5.725-5.85	MIMO	802.11n HT20	157	5785	MCS0	-	-
Mode 72	U-NII-3	5.725-5.85	MIMO	802.11n HT20	165	5825	MCS0	-	-
Mode 73	U-NII-3	5.725-5.85	MIMO	802.11n HT40	151	5755	MCS0	-	-
Mode 74	U-NII-3	5.725-5.85	MIMO	802.11n HT40	159	5795	MCS0	-	-
Mode 75	U-NII-3	5.725-5.85	MIMO	802.11ac VHT80	155	5775	MCS0	-	-
Mode 76	U-NII-3	5.725-5.85	MIMO	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 77	U-NII-3	5.725-5.85	MIMO	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 78	U-NII-3	5.725-5.85	MIMO	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 79	U-NII-3	5.725-5.85	MIMO	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 80	U-NII-3	5.725-5.85	MIMO	802.11ax HE40	159	5795	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 81	U-NII-3	5.725-5.85	MIMO	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 82	U-NII-3	5.725-5.85	MIMO	802.11ax HE20	149	5745	MCS0	106RU	Index 53
Mode 83	U-NII-3	5.725-5.85	MIMO	802.11ax HE80	155	5775	MCS0	Full RU	LF
Mode 84	U-NII-3	5.725-5.85	MIMO	802.11ax HE80	155	5775	MCS0	Full RU	SHF

C2.Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	36	5149.22	46.26	54.00	-7.74	H	Avg.	Pass	-	Band Edge
	802.11a	36	7770.00	63.21	68.20	-4.99	H	Peak	Pass	-	Harmonic
2	802.11a	44	5065.78	42.70	54.00	-11.30	H	Avg.	Pass	-	Band Edge
	802.11a	44	7830.00	61.98	68.20	-6.22	H	Peak	Pass	-	Harmonic
3	802.11a	48	5085.68	42.51	54.00	-11.49	H	Avg.	Pass	-	Band Edge
	802.11a	48	7860.00	60.25	68.20	-7.95	V	Peak	Pass	-	Harmonic
4	802.11n HT20	36	5149.94	49.42	54.00	-4.58	H	Avg.	Pass	-	Band Edge
	802.11n HT20	36	7770.00	63.21	68.20	-4.99	H	Peak	Pass	-	Harmonic
5	802.11n HT20	44	5149.60	42.84	54.00	-11.16	H	Avg.	Pass	-	Band Edge
	802.11n HT20	44	7836.00	61.70	68.20	-6.50	H	Peak	Pass	-	Harmonic
6	802.11n HT20	48	5085.68	41.64	54.00	-12.36	V	Avg.	Pass	-	Band Edge
	802.11n HT20	48	7860.00	60.81	68.20	-7.39	V	Peak	Pass	-	Harmonic
7	802.11n HT40	38	5149.72	52.07	54.00	-1.93	H	Avg.	Pass	-	Band Edge
	802.11n HT40	38	-	-	-	-	-	-	-	-	Harmonic
8	802.11n HT40	46	5149.27	51.30	54.00	-2.70	H	Avg.	Pass	-	Band Edge
	802.11n HT40	46	-	-	-	-	-	-	-	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
9	802.11ac VHT80	42	5149.94	52.65	54.00	-1.35	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	42	-	-	-	-	-	-	-	-	Harmonic
10	802.11ac VHT160	50	5135.50	53.46	54.00	-0.54	H	Avg.	Pass	-	Band Edge
	802.11ac VHT160	50	-	-	-	-	-	-	-	-	Harmonic
11	802.11ax HE20	36	5149.94	50.93	54.00	-3.07	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	36	7770.00	62.98	68.20	-5.22	H	Peak	Pass	Full RU	Harmonic
12	802.11ax HE20	44	5065.78	43.10	54.00	-10.90	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	44	7836.00	62.02	68.20	-6.18	V	Peak	Pass	Full RU	Harmonic
13	802.11ax HE20	48	5085.68	45.12	54.00	-8.88	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	48	7860.00	60.87	68.20	-7.33	H	Peak	Pass	Full RU	Harmonic
14	802.11ax HE40	38	5149.53	51.88	54.00	-2.12	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	38	-	-	-	-	-	-	-	Full RU	Harmonic
15	802.11ax HE40	46	5149.27	50.54	54.00	-3.46	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	46	-	-	-	-	-	-	-	Full RU	Harmonic
16	802.11ax HE80	42	5147.21	52.40	54.00	-1.60	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	42	-	-	-	-	-	-	-	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
17	802.11ax HE160	50	5141.25	52.88	54.00	-1.12	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE160	50	-	-	-	-	-	-	-	Full RU	Harmonic
18	802.11ax HE20	36	5149.94	46.78	54.00	-7.22	H	Avg.	Pass	106RU	Band Edge
	802.11ax HE20	36	-	-	-	-	-	-	-	106RU	Harmonic
19	802.11a	52	5105.82	42.21	54.00	-11.79	H	Avg.	Pass	-	Band Edge
	802.11a	52	7364.00	48.15	54.00	-5.85	H	Avg.	Pass	-	Harmonic
20	802.11a	60	5145.50	44.69	54.00	-9.31	H	Avg.	Pass	-	Band Edge
	802.11a	60	6360.00	61.75	68.20	-6.45	V	Peak	Pass	-	Harmonic
21	802.11a	64	5350.10	48.69	54.00	-5.31	V	Avg.	Pass	-	Band Edge
	802.11a	64	6384.00	61.59	68.20	-6.61	V	Peak	Pass	-	Harmonic
22	802.11n HT20	52	5103.22	43.27	54.00	-10.73	H	Avg.	Pass	-	Band Edge
	802.11n HT20	52	7364.00	47.77	54.00	-6.23	H	Avg.	Pass	-	Harmonic
23	802.11n HT20	60	5144.00	42.85	54.00	-11.15	H	Avg.	Pass	-	Band Edge
	802.11n HT20	60	7420.00	44.38	54.00	-9.62	H	Avg.	Pass	-	Harmonic
24	802.11n HT20	64	5350.10	46.41	54.00	-7.59	V	Avg.	Pass	-	Band Edge
	802.11n HT20	64	7448.00	43.33	54.00	-10.67	H	Avg.	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
25	802.11n HT40	54	5350.18	51.22	54.00	-2.78	V	Avg.	Pass	-	Band Edge
	802.11n HT40	54	-	-	-	-	-	-	-	-	Harmonic
26	802.11n HT40	62	5350.05	52.87	54.00	-1.13	V	Avg.	Pass	-	Band Edge
	802.11n HT40	62	-	-	-	-	-	-	-	-	Harmonic
27	802.11ac VHT80	58	5351.54	53.54	54.00	-0.46	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	-	-	-	-	-	-	-	-	Harmonic
28	802.11ax HE20	52	5105.82	44.93	54.00	-9.07	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	52	6312.00	63.05	68.20	-5.15	V	Peak	Pass	Full RU	Harmonic
29	802.11ax HE20	60	5350.24	45.38	54.00	-8.62	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	60	6360.00	61.45	68.20	-6.75	V	Peak	Pass	Full RU	Harmonic
30	802.11ax HE20	64	5350.38	50.33	54.00	-3.67	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	64	7448.00	42.56	54.00	-11.44	H	Avg.	Pass	Full RU	Harmonic
31	802.11ax HE40	54	5350.18	52.55	54.00	-1.45	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	54	-	-	-	-	-	-	-	Full RU	Harmonic
32	802.11ax HE40	62	5350.50	52.63	54.00	-1.37	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	62	-	-	-	-	-	-	-	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
33	802.11ax HE80	58	5354.09	53.64	54.00	-0.36	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	58	-	-	-	-	-	-	-	Full RU	Harmonic
34	802.11ax HE20	64	5350.10	45.95	54.00	-8.05	V	Avg.	Pass	106RU	Band Edge
	802.11ax HE20	64	-	-	-	-	-	-	-	106RU	Harmonic
35	802.11a	100	5470.00	60.37	68.20	-7.83	H	Peak	Pass	-	Band Edge
	802.11a	100	6600.00	59.44	68.20	-8.76	H	Peak	Pass	-	Harmonic
36	802.11a	120	5445.50	43.27	54.00	-10.73	V	Avg.	Pass	-	Band Edge
	802.11a	120	6720.00	60.11	68.20	-8.09	H	Peak	Pass	-	Harmonic
37	802.11a	140	5725.09	62.01	68.20	-6.19	H	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	39.12	54.00	-14.88	V	Avg.	Pass	-	Harmonic
38	802.11n HT20	100	5470.00	60.64	68.20	-7.56	V	Peak	Pass	-	Band Edge
	802.11n HT20	100	6600.00	59.72	68.20	-8.48	V	Peak	Pass	-	Harmonic
39	802.11n HT20	120	5445.75	43.61	54.00	-10.39	V	Avg.	Pass	-	Band Edge
	802.11n HT20	120	6720.00	61.02	68.20	-7.18	V	Peak	Pass	-	Harmonic
40	802.11n HT20	140	5725.42	58.16	68.20	-10.04	H	Peak	Pass	-	Band Edge
	802.11n HT20	140	6840.00	58.57	68.20	-9.63	H	Peak	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
41	802.11n HT40	102	5457.20	52.81	54.00	-1.19	V	Avg.	Pass	-	Band Edge
	802.11n HT40	102	-	-	-	-	-	-	-	-	Harmonic
42	802.11n HT40	118	5747.68	64.97	68.20	-3.23	H	Peak	Pass	-	Band Edge
	802.11n HT40	118	-	-	-	-	-	-	-	-	Harmonic
43	802.11n HT40	134	5731.75	63.57	68.20	-4.63	H	Peak	Pass	-	Band Edge
	802.11n HT40	134	-	-	-	-	-	-	-	-	Harmonic
44	802.11ac VHT80	106	5456.02	53.06	54.00	-0.94	H	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	-	-	-	-	-	-	-	-	Harmonic
45	802.11ac VHT80	122	5735.09	65.58	68.20	-2.62	H	Peak	Pass	-	Band Edge
	802.11ac VHT80	122	-	-	-	-	-	-	-	-	Harmonic
46	802.11ac VHT160	114	5447.90	52.99	54.00	-1.01	V	Avg.	Pass	-	Band Edge
	802.11ac VHT160	114	-	-	-	-	-	-	-	-	Harmonic
47	802.11ax HE20	100	5468.20	65.22	68.20	-2.98	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	100	6600.00	59.49	68.20	-8.71	H	Peak	Pass	Full RU	Harmonic
48	802.11ax HE20	120	5446.00	43.21	54.00	-10.79	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	120	6720.00	58.80	68.20	-9.40	H	Peak	Pass	Full RU	Harmonic

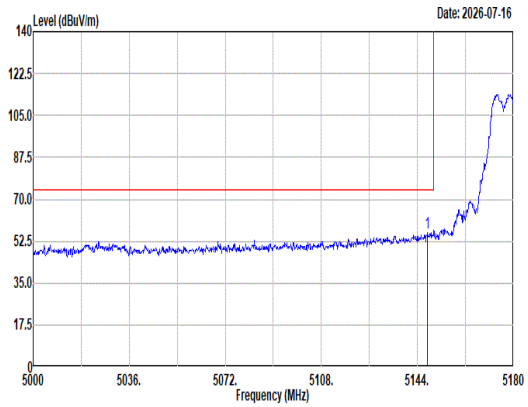
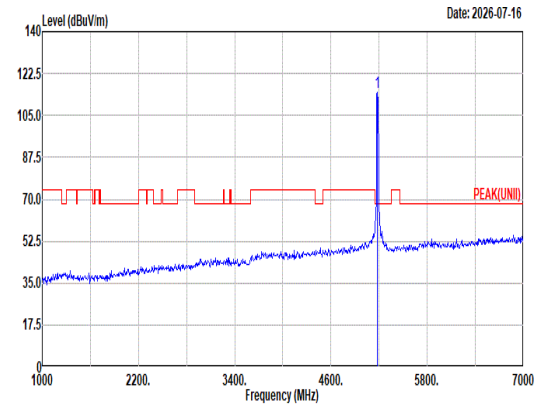
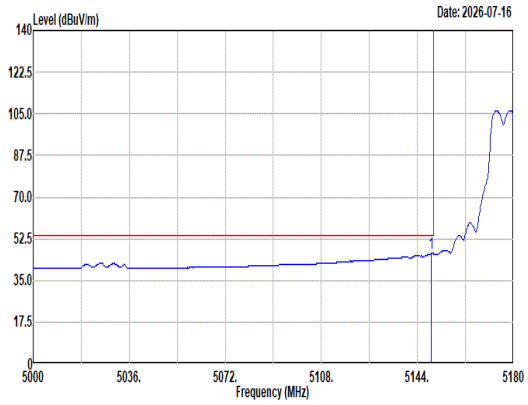
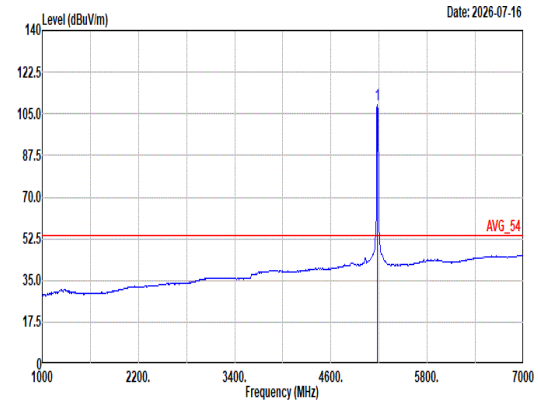
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
49	802.11ax HE20	140	5726.20	61.67	68.20	-6.53	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	140	6840.00	57.62	68.20	-10.58	H	Peak	Pass	Full RU	Harmonic
50	802.11ax HE40	102	5467.28	67.58	68.20	-0.62	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	102	-	-	-	-	-	-	-	Full RU	Harmonic
51	802.11ax HE40	118	5738.93	62.39	68.20	-5.81	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	118	-	-	-	-	-	-	-	Full RU	Harmonic
52	802.11ax HE40	134	5726.81	67.40	68.20	-0.80	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	134	-	-	-	-	-	-	-	Full RU	Harmonic
53	802.11ax HE80	106	5457.28	52.14	54.00	-1.86	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	106	-	-	-	-	-	-	-	Full RU	Harmonic
54	802.11ax HE80	122	5735.24	66.67	68.20	-1.53	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	122	-	-	-	-	-	-	-	Full RU	Harmonic
55	802.11ax HE160	114	5454.28	52.83	54.00	-1.17	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE160	114	-	-	-	-	-	-	-	Full RU	Harmonic
56	802.11ax HE20	100	5464.15	62.17	68.20	-6.03	H	Peak	Pass	106RU	Band Edge
	802.11ax HE20	100	-	-	-	-	-	-	-	106RU	Harmonic

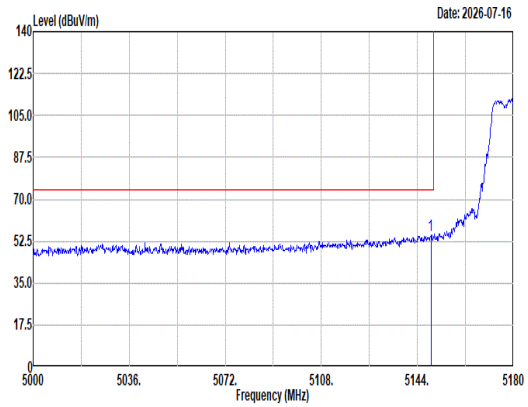
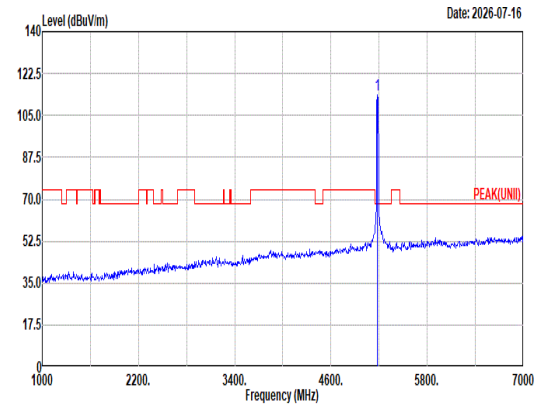
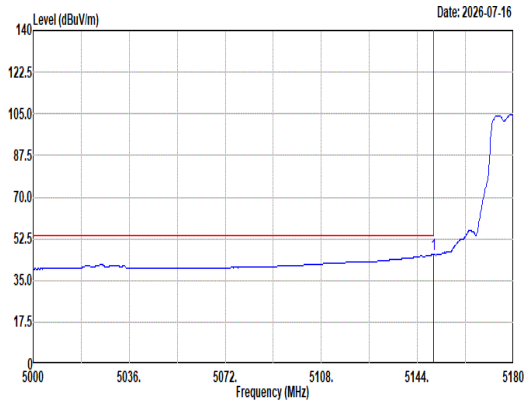
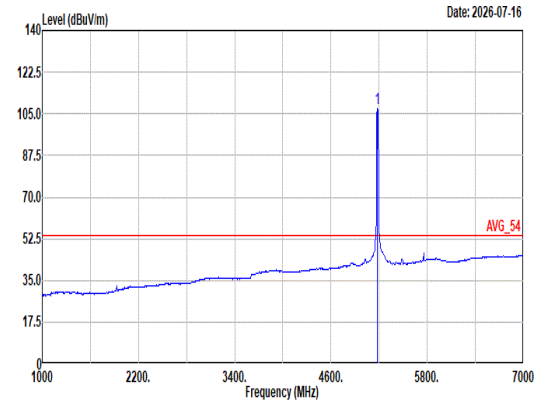
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
57	802.11ax HE20	140	5725.22	63.35	68.20	-4.85	H	Peak	Pass	106RU	Band Edge
	802.11ax HE20	140	-	-	-	-	-	-	-	106RU	Harmonic
58	802.11a	144	5412.01	39.86	54.00	-14.14	V	Avg.	Pass	-	Band Edge
	802.11a	144	11440.00	39.47	54.00	-14.53	H	Avg.	Pass	-	Harmonic
59	802.11n HT20	144	5412.01	40.09	54.00	-13.91	V	Avg.	Pass	-	Band Edge
	802.11n HT20	144	6864.00	57.23	68.20	-10.97	H	Peak	Pass	-	Harmonic
60	802.11n HT40	142	5856.00	65.19	68.20	-3.01	H	Peak	Pass	-	Band Edge
	802.11n HT40	142	-	-	-	-	-	-	-	-	Harmonic
61	802.11ac VHT80	138	5851.90	61.83	68.20	-6.37	H	Peak	Pass	-	Band Edge
	802.11ac VHT80	138	-	-	-	-	-	-	-	-	Harmonic
62	802.11ax HE20	144	5412.01	40.15	54.00	-13.85	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	144	11440.00	38.74	54.00	-15.26	H	Avg.	Pass	Full RU	Harmonic
63	802.11ax HE40	142	5850.75	60.03	68.20	-8.17	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	142	-	-	-	-	-	-	-	Full RU	Harmonic
64	802.11ax HE80	138	5861.20	60.70	68.20	-7.50	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	138	-	-	-	-	-	-	-	Full RU	Harmonic

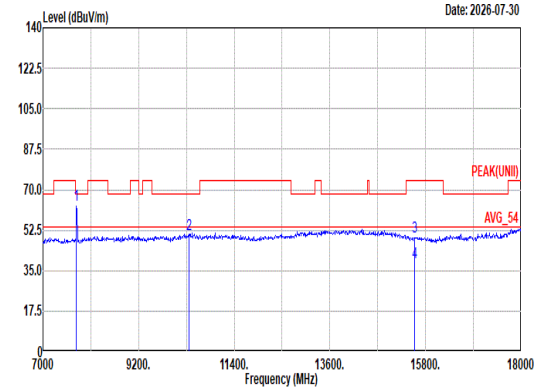
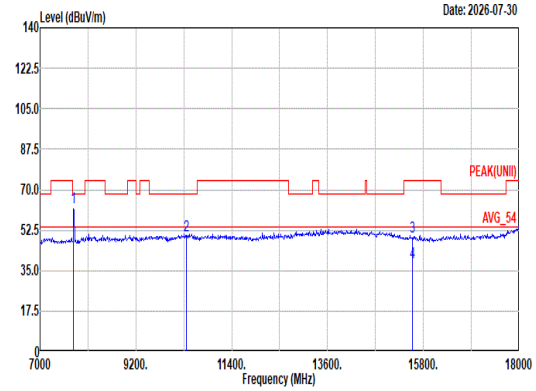
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
65	802.11ax HE80	58	113.42	36.12	43.50	-7.38	V	QP	Pass	Full RU	LF
66	802.11ax HE80	58	39706.00	57.63	74.00	-16.37	H	Peak	Pass	Full RU	SHF
67	802.11a	149	5646.55	51.57	68.20	-16.63	H	Peak	Pass	-	Band Edge
	802.11a	149	5591.00	59.44	68.20	-8.76	H	Peak	Pass	-	Harmonic
68	802.11a	157	5624.24	55.13	68.20	-13.07	V	Peak	Pass	-	Band Edge
	802.11a	157	6924.00	56.81	68.20	-11.39	V	Peak	Pass	-	Harmonic
69	802.11a	165	5924.88	53.81	68.29	-14.48	V	Peak	Pass	-	Band Edge
	802.11a	165	5672.00	57.83	68.20	-10.37	H	Peak	Pass	-	Harmonic
70	802.11n HT20	149	5624.07	51.34	68.20	-16.86	V	Peak	Pass	-	Band Edge
	802.11n HT20	149	5591.00	58.30	68.20	-9.90	H	Peak	Pass	-	Harmonic
71	802.11n HT20	157	5635.34	54.26	68.20	-13.94	V	Peak	Pass	-	Band Edge
	802.11n HT20	157	6942.00	57.47	68.20	-10.73	H	Peak	Pass	-	Harmonic
72	802.11n HT20	165	5937.75	53.31	68.20	-14.89	H	Peak	Pass	-	Band Edge
	802.11n HT20	165	5671.00	57.94	68.20	-10.26	H	Peak	Pass	-	Harmonic
73	802.11n HT40	151	5648.52	62.67	68.20	-5.53	H	Peak	Pass	-	Band Edge
	802.11n HT40	151	-	-	-	-	-	-	-	-	Harmonic

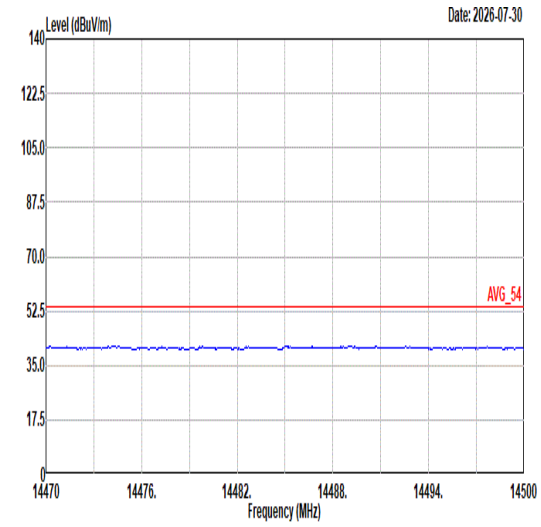
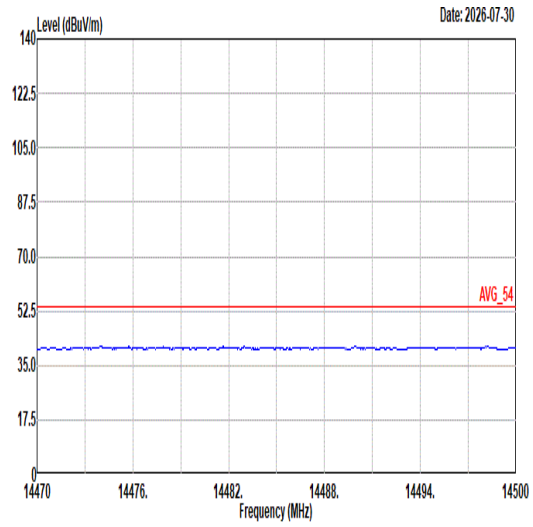
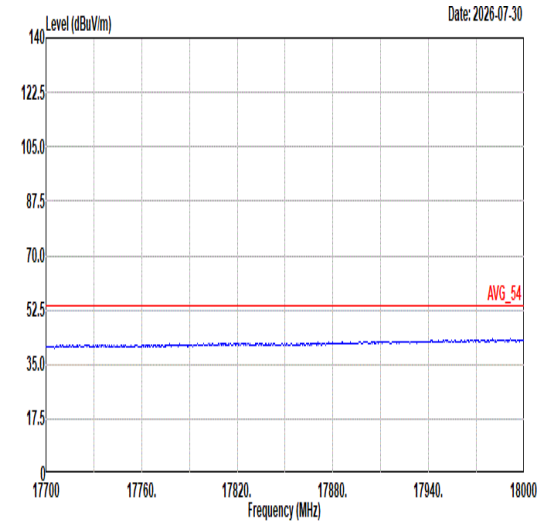
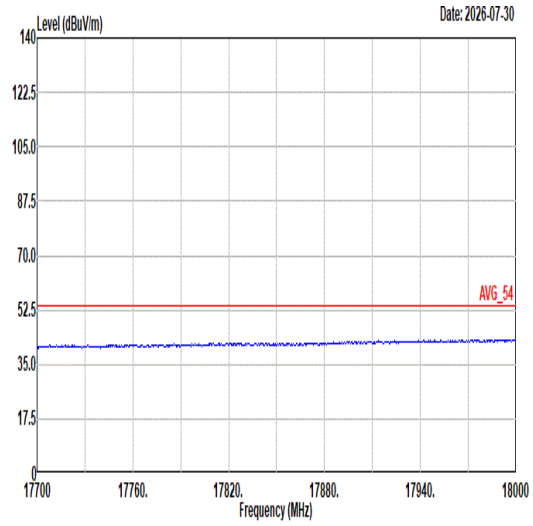
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
74	802.11n HT40	159	5947.83	60.04	68.20	-8.16	H	Peak	Pass	-	Band Edge
	802.11n HT40	159	-	-	-	-	-	-	-	-	Harmonic
75	802.11ac VHT80	155	5637.28	65.58	68.20	-2.62	H	Peak	Pass	-	Band Edge
	802.11ac VHT80	155	-	-	-	-	-	-	-	-	Harmonic
76	802.11ax HE20	149	5600.15	55.40	68.20	-12.80	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	149	6894.00	59.39	68.20	-8.81	H	Peak	Pass	Full RU	Harmonic
77	802.11ax HE20	157	5635.34	58.02	68.20	-10.18	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	157	11570.00	39.76	54.00	-14.24	V	Avg.	Pass	Full RU	Harmonic
78	802.11ax HE20	165	5935.75	53.25	68.20	-14.95	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	165	5672.00	59.72	68.20	-8.48	H	Peak	Pass	Full RU	Harmonic
79	802.11ax HE40	151	5639.06	61.14	68.20	-7.06	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	151	-	-	-	-	-	-	-	Full RU	Harmonic
80	802.11ax HE40	159	5925.20	62.94	68.20	-5.26	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	159	-	-	-	-	-	-	-	Full RU	Harmonic
81	802.11ax HE80	155	5648.48	67.27	68.20	-0.93	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	155	-	-	-	-	-	-	-	Full RU	Harmonic

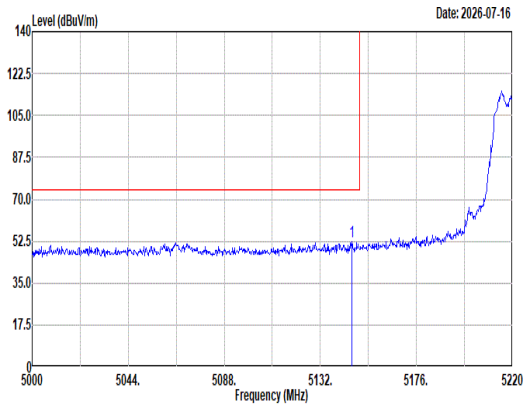
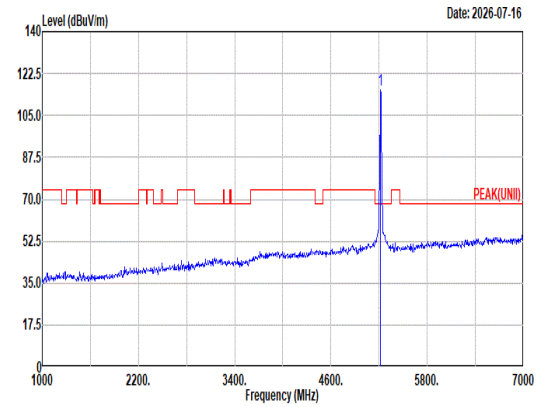
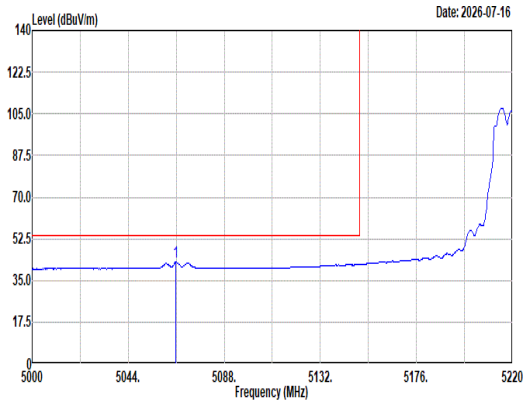
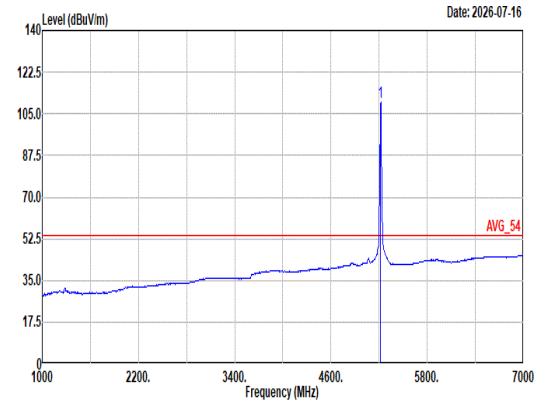
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
82	802.11ax HE20	149	5647.13	53.96	68.20	-14.24	H	Peak	Pass	106RU	Band Edge
	802.11ax HE20	149	-	-	-	-	-	-	-	106RU	Harmonic
83	802.11ax HE80	155	901.06	39.82	46.00	-6.18	H	Peak	Pass	Full RU	LF
84	802.11ax HE80	155	39714.00	57.80	74.00	-16.20	V	Peak	Pass	Full RU	SHF

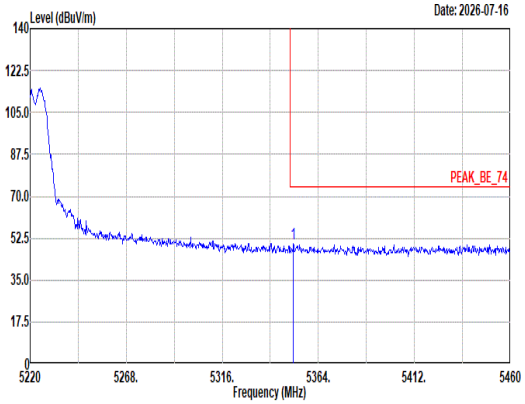
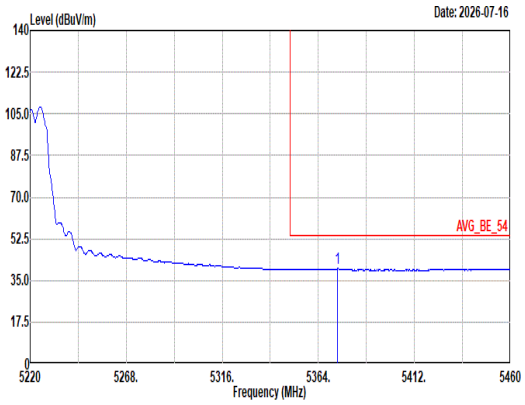
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5147.78 56.02 74.00 -17.98 50.02 32.90 10.04 36.94 0.00 300 211 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 114.89 ------ ------ 108.77 32.96 10.08 36.92 0.00 300 211 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.22 46.26 54.00 -7.74 40.26 32.90 10.04 36.94 0.00 300 211 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 108.73 ------ ------ 102.61 32.96 10.08 36.92 0.00 300 211 Average

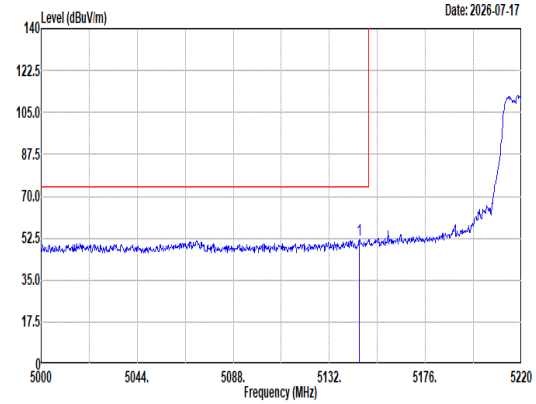
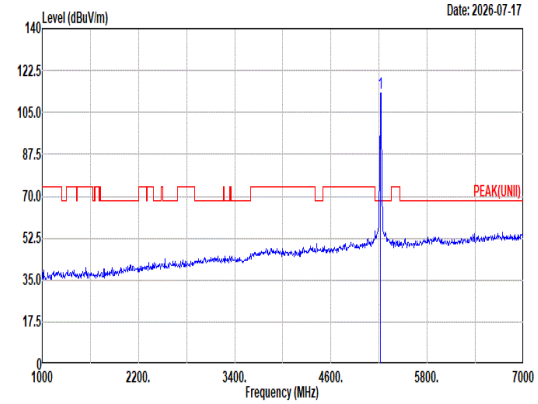
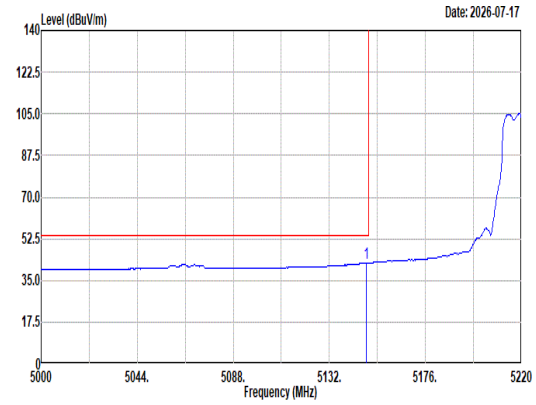
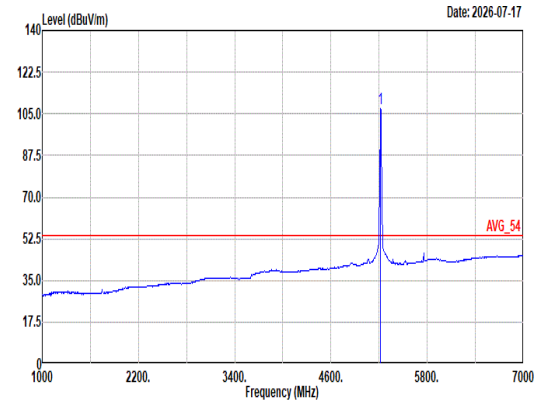
Mode	1	
	Band Edge	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5149.04 54.96 74.00 -19.04 48.96 32.90 10.04 36.94 0.00 100 89 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto 1 5180.00 113.66 ------ ------ 107.54 32.96 10.08 36.92 0.00 100 89 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5149.94 45.87 54.00 -8.13 39.87 32.90 10.04 36.94 0.00 100 89 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 1 5180.00 107.20 ------ ------ 101.08 32.96 10.08 36.92 0.00 100 89 Average

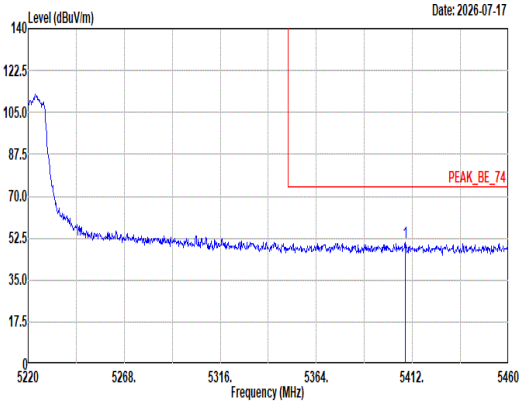
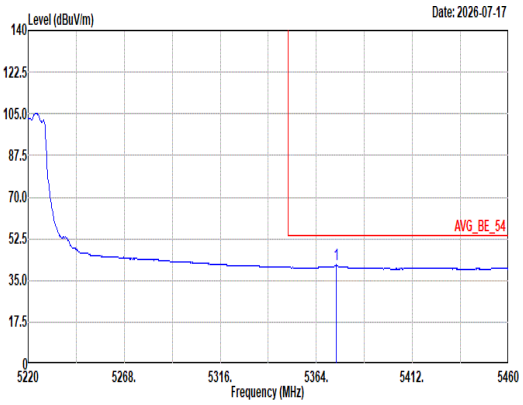
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7770.00 63.21 68.20 -4.99 50.31 36.48 12.23 36.48 0.67 205 62 Peak 2 10360.00 50.64 68.20 -17.56 36.70 38.70 14.16 39.54 0.62 -- -- Peak 3 15540.00 49.40 74.00 -24.60 39.20 38.20 17.47 46.06 0.59 -- -- Peak 4 15540.00 38.72 54.00 -15.28 28.52 38.20 17.47 46.06 0.59 -- -- Average	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7770.00 62.39 68.20 -5.81 49.49 36.48 12.23 36.48 0.67 211 83 Peak 2 10360.00 50.20 68.20 -18.00 36.26 38.70 14.16 39.54 0.62 -- -- Peak 3 15540.00 49.56 74.00 -24.44 39.36 38.20 17.47 46.06 0.59 -- -- Peak 4 15540.00 38.69 54.00 -15.31 28.49 38.20 17.47 46.06 0.59 -- -- Average

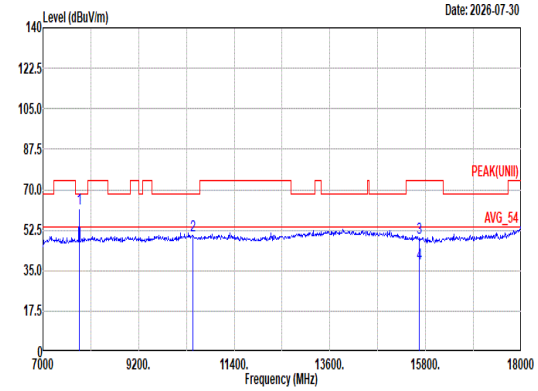
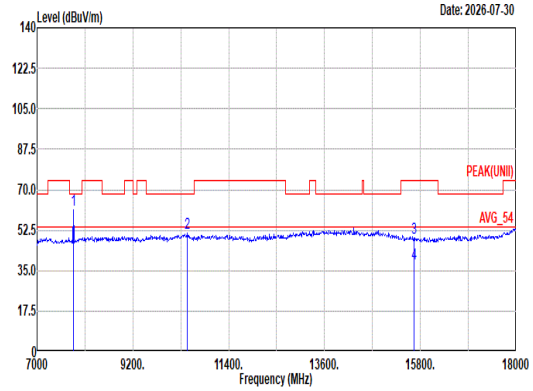
Mode	1	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH36_5180MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

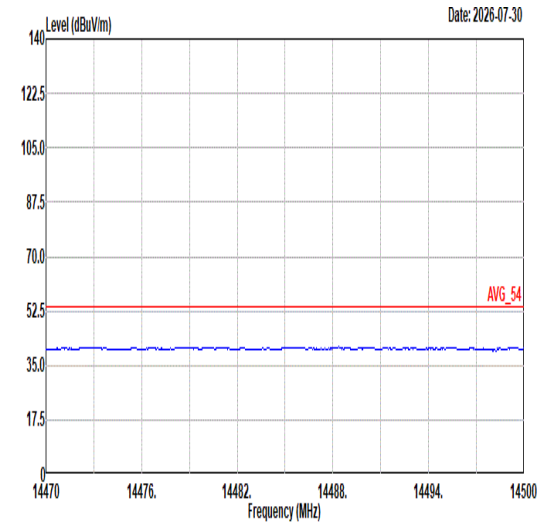
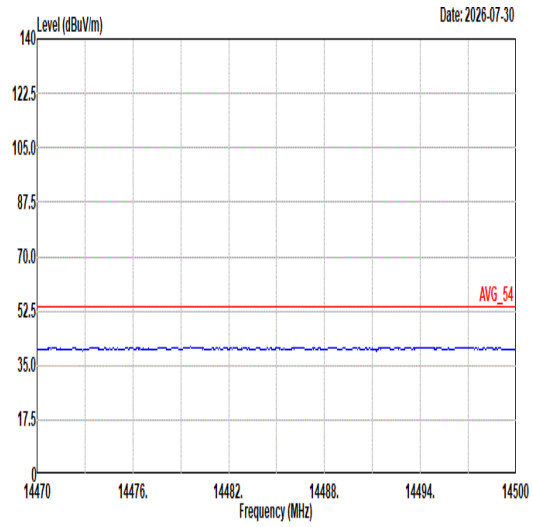
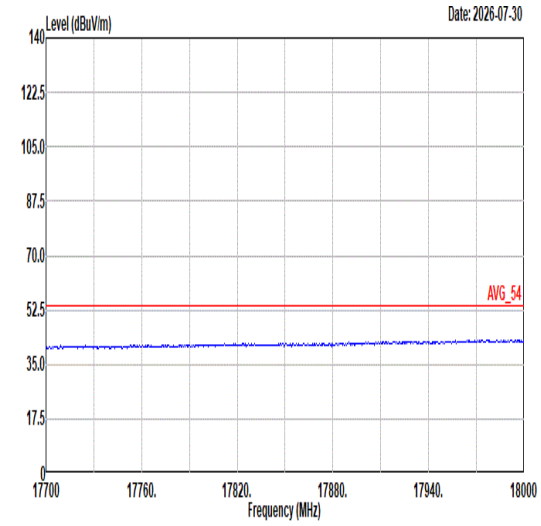
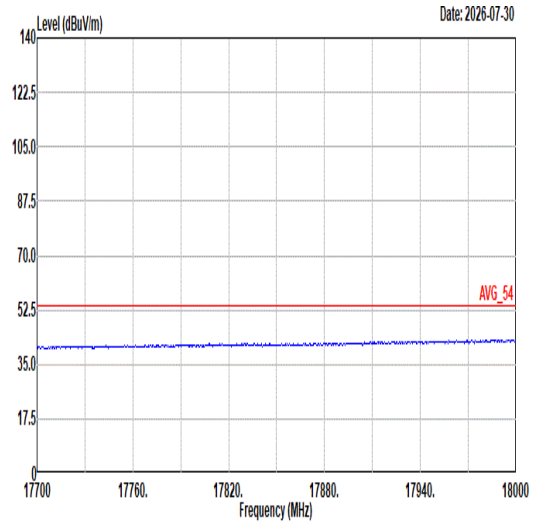
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5146.30 52.04 74.00 -21.96 46.05 32.89 10.04 36.94 0.00 300 189 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5220.00 115.60 ------ ------ 109.38 33.00 10.12 36.90 0.00 300 189 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5065.78 42.70 54.00 -11.30 36.79 32.94 9.95 36.98 0.00 300 189 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5220.00 109.64 ------ ------ 103.42 33.00 10.12 36.90 0.00 300 189 Average

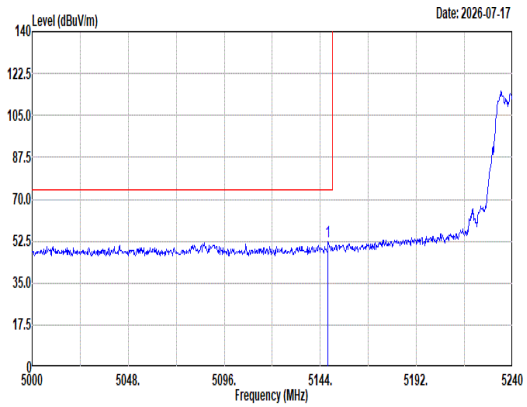
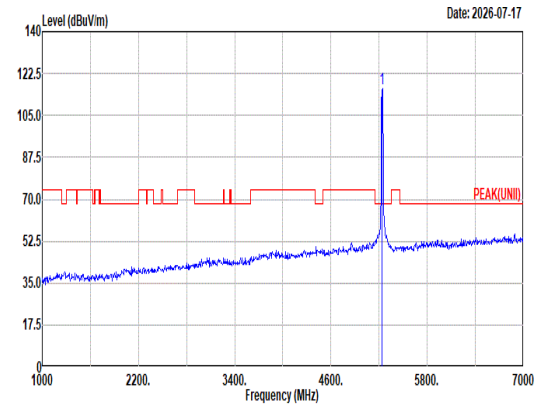
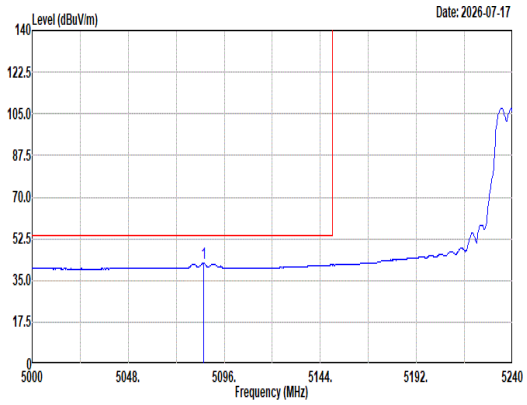
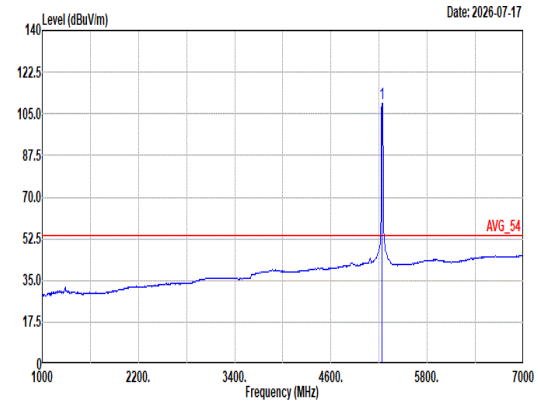
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5351.52 50.15 74.00 -23.85 43.84 32.90 10.24 36.83 0.00 300 189 Peak	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5373.60 40.13 54.00 -13.87 33.79 32.90 10.26 36.82 0.00 300 189 Average	Blank

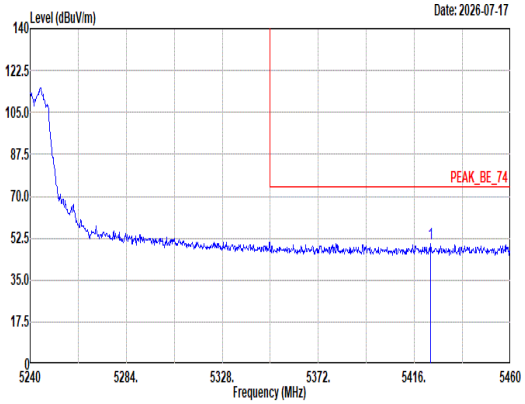
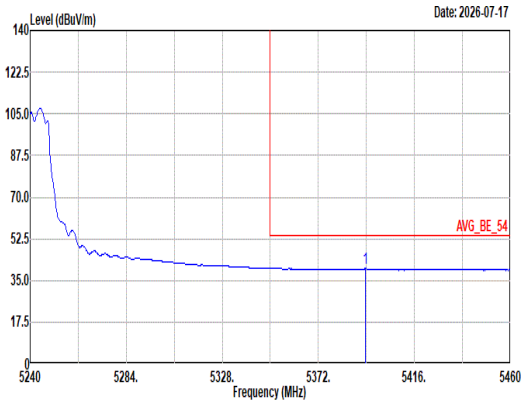
Mode	2	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5145.64 51.91 74.00 -22.09 45.92 32.89 10.04 36.94 0.00 100 88 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5220.00 113.17 ------ ------ 106.95 33.00 10.12 36.90 0.00 100 88 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5148.94 42.29 54.00 -11.71 36.29 32.90 10.04 36.94 0.00 100 88 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5220.00 107.09 ------ ------ 100.87 33.00 10.12 36.90 0.00 100 88 Average

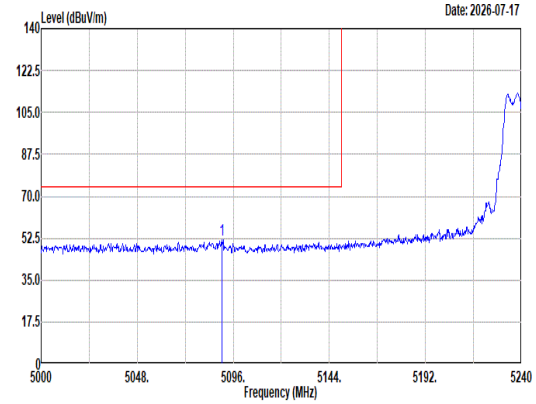
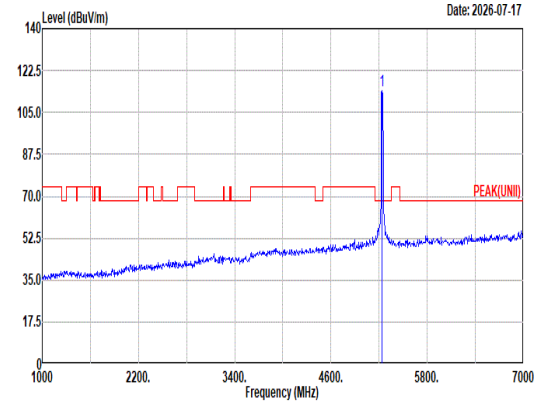
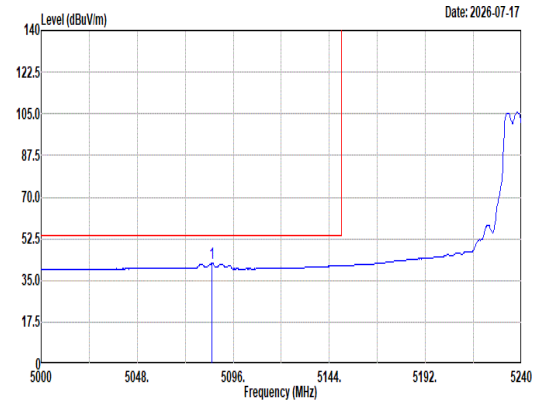
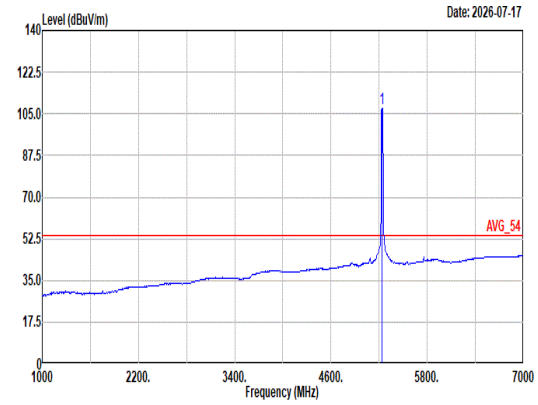
Mode	2	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5408.40 50.56 74.00 -23.44 44.18 32.88 10.30 36.80 0.00 100 88 Peak	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5373.84 41.48 54.00 -12.52 35.13 32.90 10.27 36.82 0.00 100 88 Average	Blank

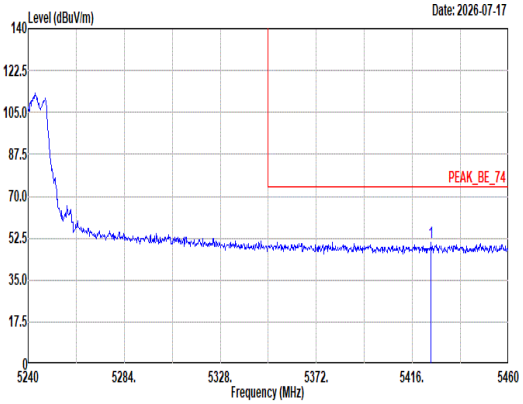
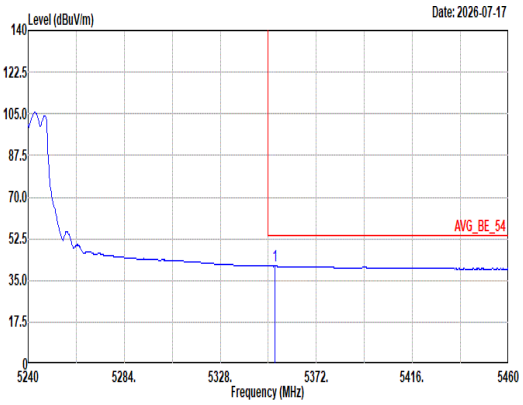
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7830.00 61.98 68.20 -6.22 48.94 36.66 12.27 36.55 0.66 201 64 Peak 2 10440.00 50.18 68.20 -18.02 36.31 38.70 14.22 39.66 0.61 -- -- Peak 3 15660.00 49.12 74.00 -24.88 39.63 37.72 17.53 46.34 0.58 -- -- Peak 4 15660.00 38.24 54.00 -15.76 28.75 37.72 17.53 46.34 0.58 -- -- Average	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7830.00 61.51 68.20 -6.69 48.47 36.66 12.27 36.55 0.66 210 99 Peak 2 10440.00 51.28 68.20 -16.92 37.41 38.70 14.22 39.66 0.61 -- -- Peak 3 15660.00 49.05 74.00 -24.95 39.56 37.72 17.53 46.34 0.58 -- -- Peak 4 15660.00 38.27 54.00 -15.73 28.78 37.72 17.53 46.34 0.58 -- -- Average

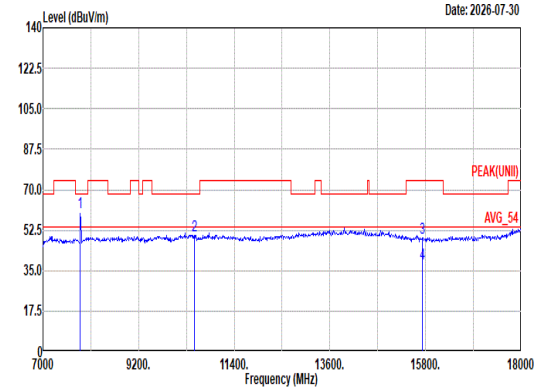
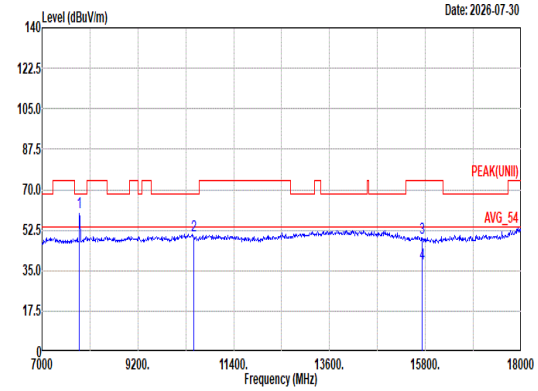
Mode	2	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH44_5220MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

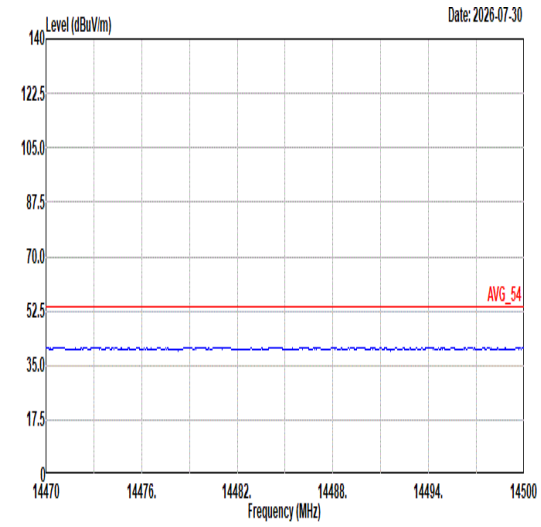
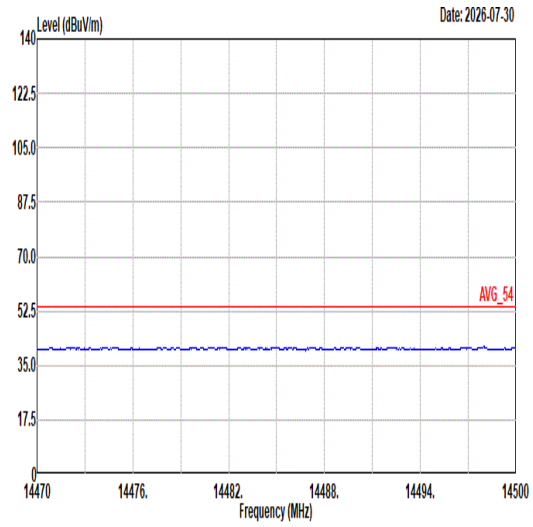
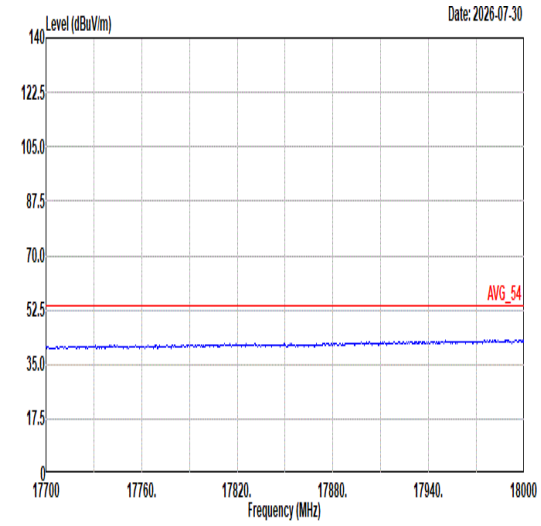
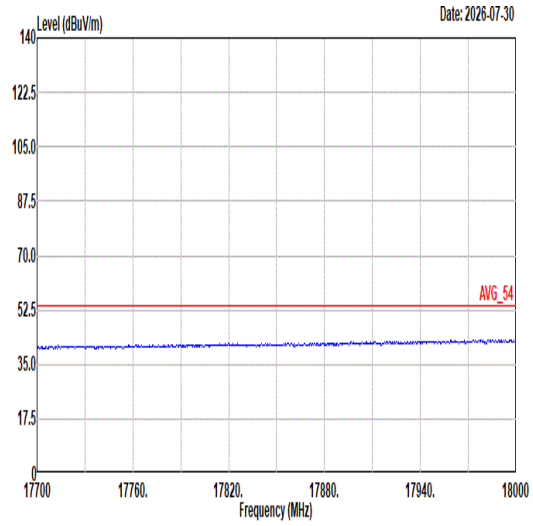
Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5147.84 52.07 74.00 -21.93 46.07 32.90 10.84 36.94 0.00 304 189 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5240.00 116.11 ------ ------ 109.86 33.00 10.14 36.89 0.00 304 189 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5085.68 42.51 54.00 -11.49 36.65 32.86 9.97 36.97 0.00 304 189 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5240.00 109.35 ------ ------ 103.11 33.00 10.13 36.89 0.00 304 189 Average

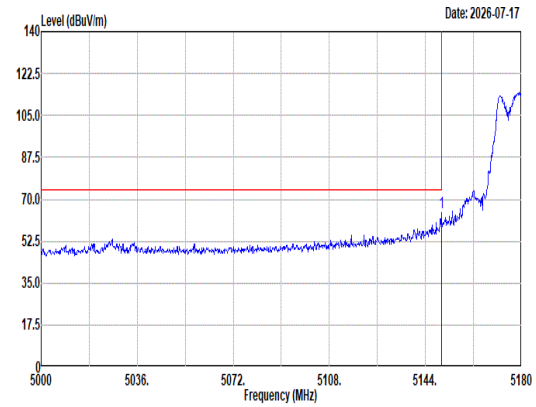
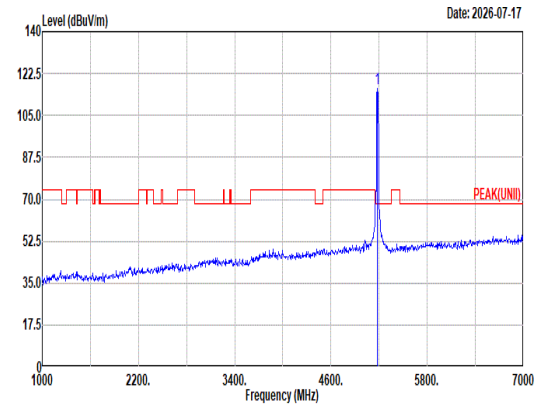
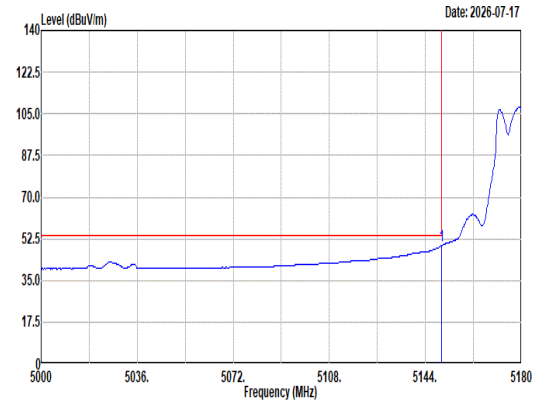
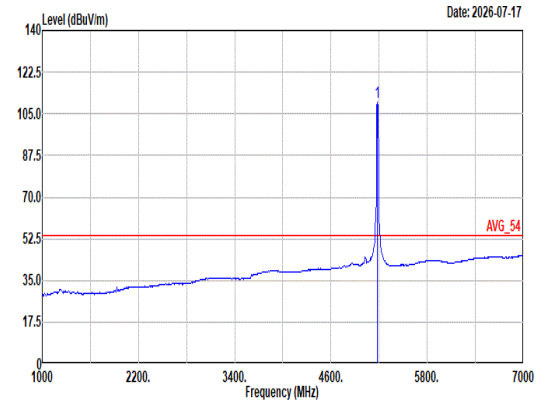
Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5423.26 50.39 74.00 -23.61 44.02 32.85 10.31 36.79 0.00 304 189 Peak	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5393.56 40.07 54.00 -13.93 33.70 32.90 10.28 36.81 0.00 304 189 Average	Blank

Mode	3	
	Band Edge - L	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5090.24 51.65 74.00 -22.35 45.81 32.84 9.97 36.97 0.00 332 59 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5240.00 113.90 ------ ------ 107.66 33.00 10.13 36.89 0.00 332 59 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5085.20 42.12 54.00 -11.88 36.26 32.86 9.97 36.97 0.00 332 59 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5240.00 107.32 ------ ------ 101.08 33.00 10.13 36.89 0.00 332 59 Average

Mode	3	
	Band Edge - R	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	MIMO	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5424.58 50.96 74.00 -23.04 44.59 32.85 10.31 36.79 0.00 332 59 Peak	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.86 41.08 54.00 -12.92 34.76 32.90 10.25 36.83 0.00 332 59 Average	Blank

Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7860.00 60.23 68.20 -7.97 47.14 36.72 12.28 36.58 0.67 203 63 Peak 2 10480.00 50.22 68.20 -17.98 36.39 38.70 14.25 39.72 0.60 -- -- Peak 3 15720.00 49.11 74.00 -24.89 39.61 37.84 17.56 46.48 0.58 -- -- Peak 4 15720.00 38.21 54.00 -15.79 28.71 37.84 17.56 46.48 0.58 -- -- Average	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 7860.00 60.25 68.20 -7.95 47.16 36.72 12.28 36.58 0.67 205 84 Peak 2 10480.00 50.05 68.20 -18.15 36.22 38.70 14.25 39.72 0.60 -- -- Peak 3 15720.00 49.15 74.00 -24.85 39.65 37.84 17.56 46.48 0.58 -- -- Peak 4 15720.00 38.19 54.00 -15.81 28.69 37.84 17.56 46.48 0.58 -- -- Average

Mode	3	
	Harmonic	
	U-NII-1_5.15-5.25_802.11a_CH48_5240MHz	
ANT	MIMO	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

Mode	4	
	Band Edge	
	U-NII-1_5.15-5.25_802.11n HT20_CH36_5180MHz	
ANT	MIMO	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 64.20 74.00 -9.80 58.20 32.90 10.04 36.94 0.00 368 206 Peak	 Site : 03CH13-HY Condition: PEAK(UNII) 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 116.17 ------ ------ 110.05 32.96 10.08 36.92 0.00 368 206 Peak
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5149.94 49.42 54.00 -4.58 43.42 32.90 10.04 36.94 0.00 368 206 Average	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5180.00 109.86 ------ ------ 103.74 32.96 10.08 36.92 0.00 368 206 Average