FCC RADIO TEST REPORT

FCC ID	:	**Z64-CC33DBMOD**
Equipment	:	**802.11 a/b/g/n/ac/ax WLAN + BLE Radio Module**
Brand Name	:	**Texas Instruments**
Model Name	:	**CC33MOD-DB**
Applicant	:	**Texas Instruments Incorporated 12500 TI BLVD., Dallas, Texas, 75243**
Manufacturer	:	**Texas Instruments Incorporated 12500 TI BLVD., Dallas, Texas, 75243**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on May 05, 2025 and testing was performed from May 12, 2025 to Jun. 20, 2025. 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
FR550509C	01	Initial issue of report	Jul. 04, 2025
FR550509C	02	Revised Product Feature of Equipment Under Test This report is an updated version, replacing the report issued on Jul. 04, 2025	Jul. 14, 2025

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: Danny Lee

Report Producer: Jessie Ho

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth - LE (125 kbps, 500 kbps, 1Mbps, 2Mbps), Wi-Fi 2.4GHz 802.11b/g/n/ax, and Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN: Chip Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	4.0
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	4.0
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	4.0

Model Differences				
Model	**Test Grade**	**Wifi 2.4GHz**	**Wifi 5GHz**	**BT LE**
CC33MOD-DB	50	Yes	Yes	No
	51	Yes	Yes	Yes

Remark:

1. The device is identical in hardware; the only difference lies in the software.
2. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH11-HY

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

FCC designation No.: TW3786

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.
- ANSI C63.10-2013

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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

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, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported 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
	-	-	-	-
	40	5200	48	5240
	-	-	-	-

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	-	-	-	-
	56	5280	64	5320
	-	-	-	-

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	-	-	116	5580
	104	5520	132	5660
	-	-	-	-
	108	5540	136	5680
	-	-	140	5700

2.2 Test Mode

This device support 26/52/106/242

The 242-tone RU is covered by 20MHz channel.

The power for 802.11ac mode is smaller than 802.11n mode, so all other conducted and radiated test is covered by 802.11n mode.

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

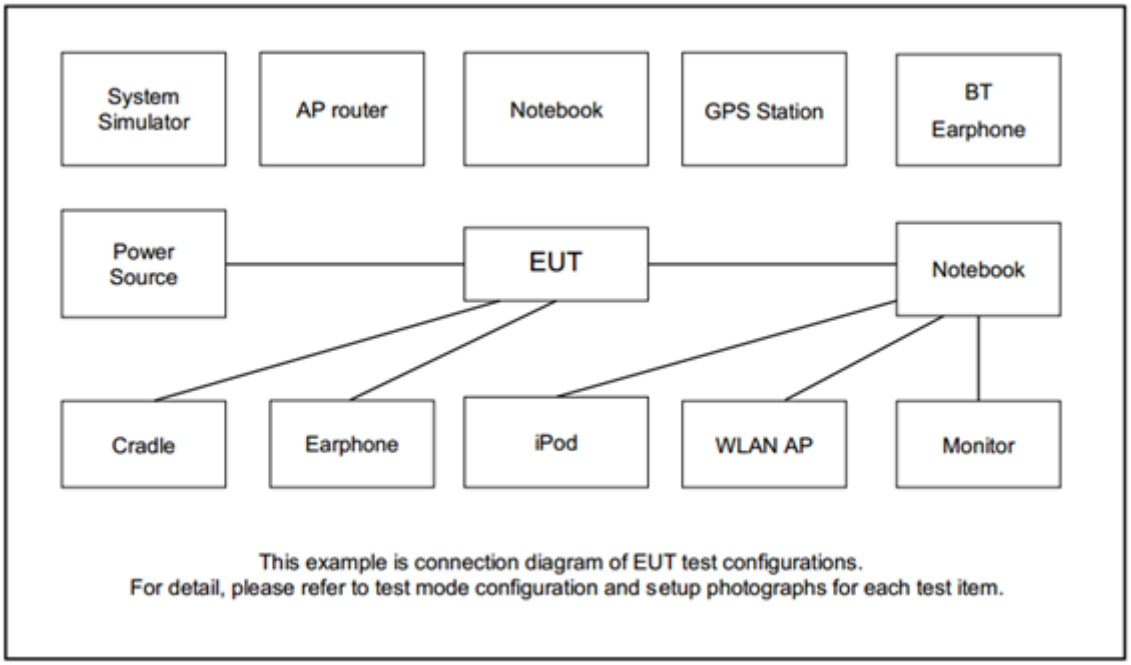
Single Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11ac VHT20 (Covered by HT20)	**MCS0**
802.11ax HE20	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) TX + Development Kit with USB Cable (Charging from Notebook)

Remark:
1. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.
2. The detailed Radiated test modes are shown in Appendix E.

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.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
2.	Notebook	Lenovo	81DE	FCC DoC	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3400	N/A	N/A	AC I/P：Unshielded, 1.2 m DC O/P：Shielded, 1.8 m
4.	Development Kit	TI	LP-XDS110ET	N/A	N/A	N/A
5.	USB HD	WD	WDBAAR3200ABK-PESN	FCC DoC	Shielded, 0.5m	N/A
6.	USB 3.0 to Gigabit Ethernet Network Adapter	TP-Link	UE300	FCC DoC	N/A	N/A
7.	USB-C to USB-A Cable	a+ plus	ACB-U31A	N/A	Shielded, 1.2m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “SimpleLink Wi-Fi Toolbox 2.4.1.eng-swt” 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 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

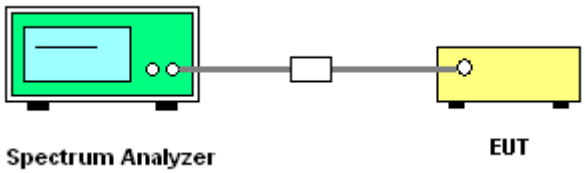
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% 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 approximately 1%.
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.

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 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.

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.

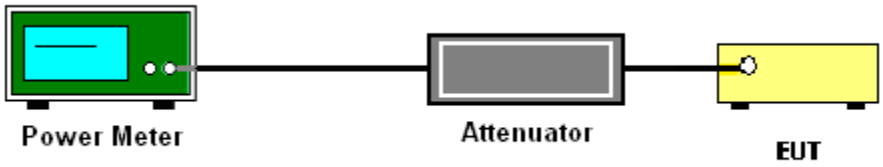
3.2.3 Test Procedures

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.

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.

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

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

Section F) Maximum power spectral density.

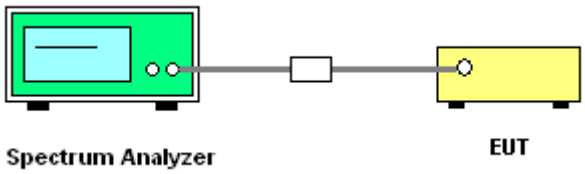
 # Method SA-2 #

(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.

3.3.4 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.

(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	68.3

(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

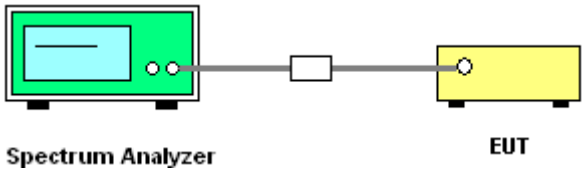
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

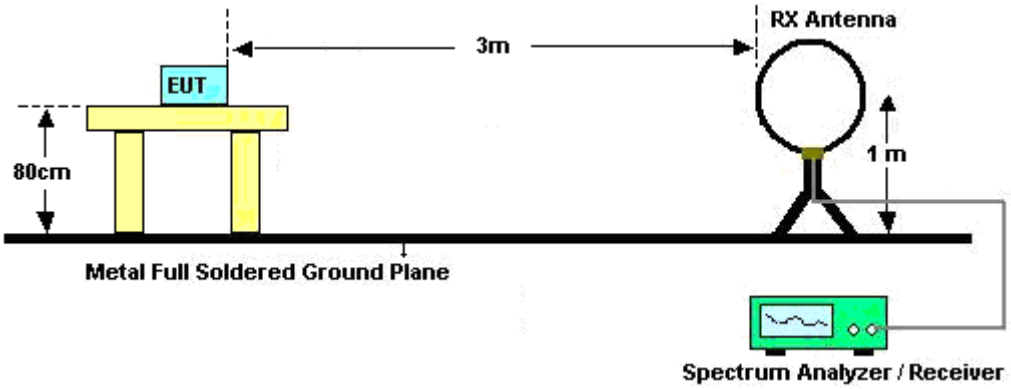
2. Measure the conducted output power (in dBm) using the peak detector.
3. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP.
4. Add the appropriate maximum ground reflection factor to the EIRP (6 dB for frequencies ≤ 30 MHz; 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive; and 0 dB for frequencies > 1000 MHz).
5. Convert the resultant EIRP to an equivalent electric field strength using the following relationship:
   E = EIRP − 20 log d + 104.8,
   where
   E is the electric field strength in dBμV/m
   EIRP is the equivalent isotropically radiated power in dBm
   d is the specified measurement distance in 3m
6. Compare the resultant electric field strength level with the applicable regulatory limit.
7. Corrected Reading for conducted spurious emission: Antenna Factor + Cable Loss + Read Level = Level
8. Perform the cabinet radiated spurious emission test.
9. 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.
10. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
11. 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.
12. 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.
13. 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 “-“.
14. 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

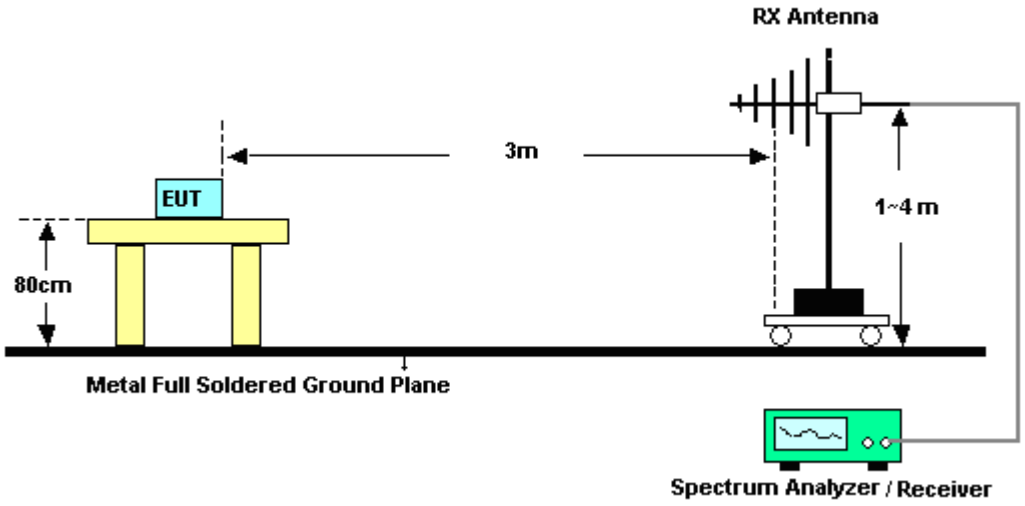
For Conducted Measurement Setup:



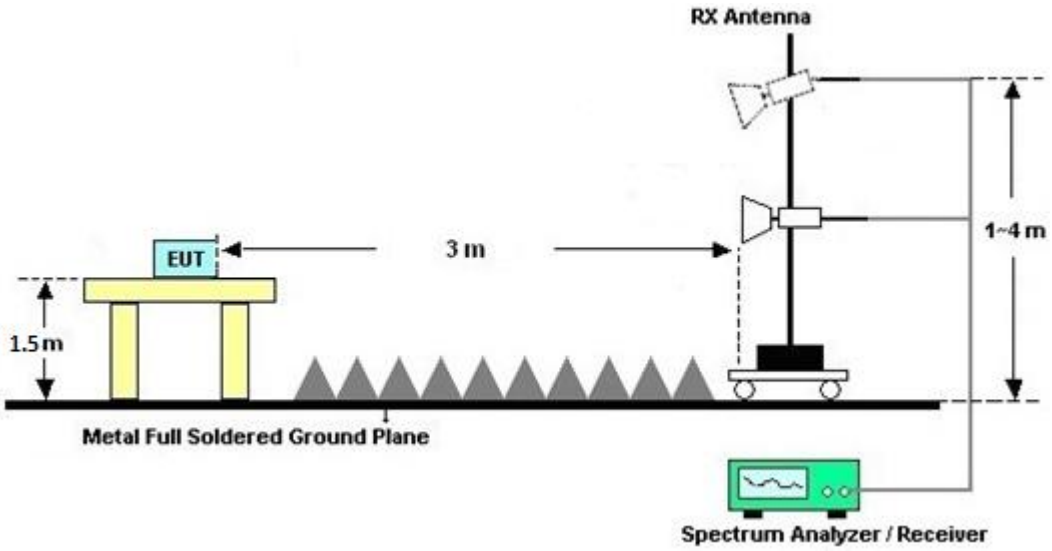
For radiated emissions below 30MHz



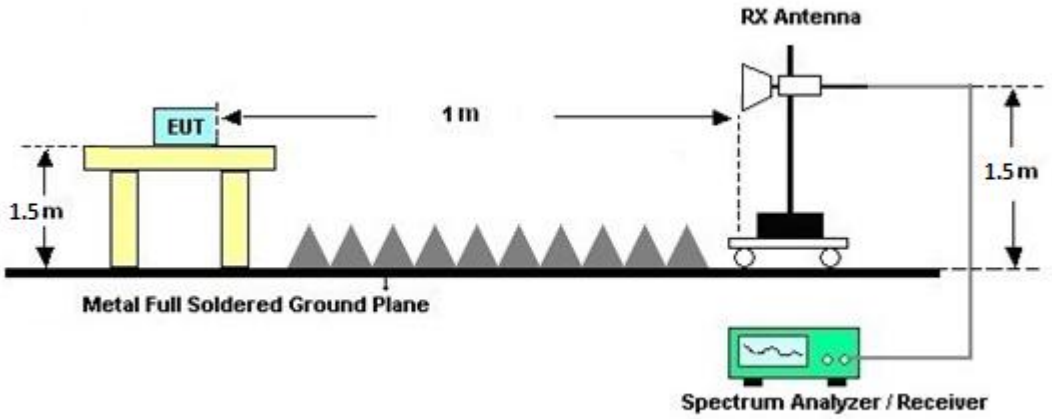
For radiated emissions from 30MHz to 1GHz



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 Conduced Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Test Result of Conduced Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

3.4.8 Test Result of Cabinet Radiated Spurious at Band Edges

Please refer to Appendix E.

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

Please refer to Appendix E.

3.4.10 Duty Cycle

Please refer to Appendix F.

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.

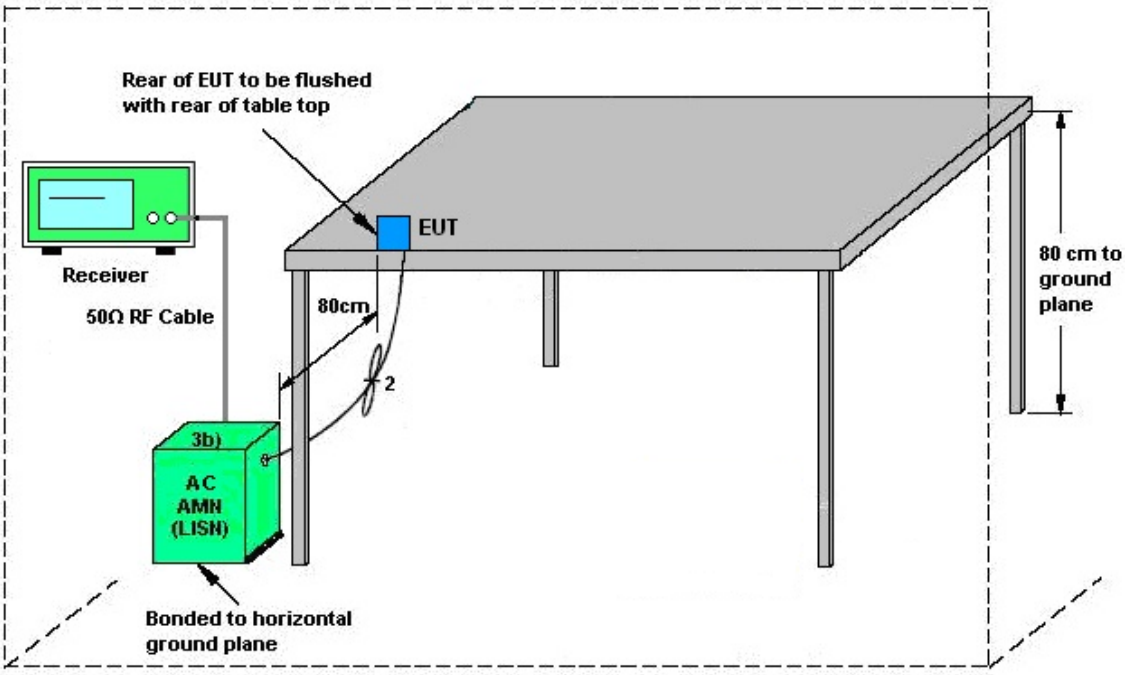
3.5.2 Measuring Instruments

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

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 27, 2024	May 24, 2025~ Jun. 20, 2025	Nov. 26, 2025	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2E	101108	9 kHz~30 MHz	Dec. 18, 2024	May 24, 2025~ Jun. 20, 2025	Dec. 17, 2025	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 28, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 27, 2025	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	May 24, 2025~ Jun. 20, 2025	Jun. 23, 2025	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 07, 2024	May 24, 2025~ Jun. 20, 2025	Dec. 06, 2025	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Mar. 24, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 23, 2026	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz~18GHz	Jan. 21, 2025	May 24, 2025~ Jun. 20, 2025	Jan. 20, 2026	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 23, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 22 2025	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 14, 2024	May 24, 2025~ Jun. 20, 2025	Oct. 13, 2025	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Jul. 19, 2024	May 24, 2025~ Jun. 20, 2025	Jul. 18, 2025	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	May 24, 2025~ Jun. 20, 2025	N/A	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP200880	N/A	Aug. 29, 2024	May 24, 2025~ Jun. 20, 2025	Aug. 28,2025	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804013/2	30M~40G	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	May 24, 2025~ Jun. 20, 2025	Mar. 04, 2026	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	805139 2	30M~40G	May 10, 2025	May 24, 2025~ Jun. 20, 2025	May 09, 2026	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53GHz Low Pass Filter	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)
Attenuator	HONOVA	5910 SMA-50-005	0028	N/A	Sep. 10, 2024	May 24, 2025~ Jun. 20, 2025	Sep. 09, 2025	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	May 12, 2025~ Jun. 09, 2025	Oct. 31, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	13I00030SNO 31 (NO:182)	9kHz~6GHz	Jan. 09, 2025	May 12, 2025~ Jun. 09, 2025	Jan. 08, 2026	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	May 12, 2025~ Jun. 09, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	E-Instrument	ETF-1405-0	EC1900157 (BOX6)	N/A	Feb. 10, 2025	May 12, 2025~ Jun. 09, 2025	Feb. 09, 2026	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version_240513	N/A	Conducted Other Test Item	N/A	May 12, 2025~ Jun. 09, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	May 22, 2025	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	May 22, 2025	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 23, 2024	May 22, 2025	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 03, 2025	May 22, 2025	Mar. 02, 2026	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 24, 2025	May 22, 2025	Mar. 23, 2026	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 26, 2025	May 22, 2025	Mar. 25, 2026	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	May 22, 2025	Sep. 22, 2025	Conduction (CO07-HY)
Spectrum Analyzer	Keysight	N9010B	MY64320114	10Hz~44GHz	Oct. 05, 2024	May 16, 2025~ Jun. 06, 2025	Oct. 04, 2025	CSE (TH05-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN28	1.53GHz Low Pass Filter	May 22, 2024	May 16, 2025~ May 20, 2025	May 21, 2025	CSE (TH05-HY)
Filter	Wainwright	WLK4-1000-153 0-8000-40SS	SN28	1.53GHz Low Pass Filter	May 21, 2025	May 21, 2025~ Jun. 06, 2025	May 20, 2026	CSE (TH05-HY)
Filter	Wainwright	WHKX8-5872.5- 6750-18000-40 ST	SN25	6.75GHz High Pass Filter	Dec. 25, 2024	May 16, 2025~ Jun. 06, 2025	Dec. 24, 2025	CSE (TH05-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 05, 2025	May 16, 2025~ Jun. 06, 2025	Mar. 04, 2026	CSE (TH05-HY)

5 Measurement Uncertainty

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

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))	6.4 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.1 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.3 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	21~25	°C
Test Date:	2025/5/12~2025/6/9	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna														
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	1	36	5180	17.59	-	21.64	-	-		22.45	-	-	
11a	6Mbps	1	44	5220	17.97	-	22.54	-	-		22.54	-		
11a	6Mbps	1	48	5240	17.94	-	22.00	-	-		22.54	-		
HT20	MCS0	1	36	5180	17.99	-	21.64	-	-		22.55	-		
HT20	MCS0	1	44	5220	18.26	-	22.96	-	-		22.61	-		
HT20	MCS0	1	48	5240	18.24	-	23.10	-	-		22.61	-		

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna												
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	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.70	-	24.00	-	4.00	-		Pass
11a	6Mbps	1	44	5220	16.80	-	24.00	-	4.00	-		Pass
11a	6Mbps	1	48	5240	16.80	-	24.00	-	4.00	-		Pass
HT20	MCS0	1	36	5180	14.70	-	24.00	-	4.00	-		Pass
HT20	MCS0	1	44	5220	17.00	-	24.00	-	4.00	-	-	Pass
HT20	MCS0	1	48	5240	16.80	-	24.00	-	4.00	-		Pass
VHT20	MCS0	1	36	5180	14.60	-	24.00	-	4.00	-		Pass
VHT20	MCS0	1	44	5220	16.80	-	24.00	-	4.00	-		Pass
VHT20	MCS0	1	48	5240	16.60	-	24.00	-	4.00	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna															
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	1	36	5180	4.15	-	6.10	-	-	11.00	-	4.00	-	-	Pass
11a	6Mbps	1	44	5220	4.15	-	7.03	-		11.00	-	4.00	-		Pass
11a	6Mbps	1	48	5240	4.15	-	6.76	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	36	5180	4.38	-	4.11	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	44	5220	4.38	-	6.19	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	48	5240	4.38	-	6.19	-		11.00	-	4.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
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	1	52	5260	17.89	-	22.37	-	23.53	-	29.53	-	23.98	-	-
11a	6Mbps	1	60	5300	17.94	-	22.18	-	23.54	-	29.54	-	23.98	-	
11a	6Mbps	1	64	5320	17.90	-	22.14	-	23.53	-	29.53	-	23.98	-	
HT20	MCS0	1	52	5260	18.20	-	22.87	-	23.60	-	29.60	-	23.98	-	
HT20	MCS0	1	60	5300	18.25	-	22.90	-	23.61	-	29.61	-	23.98	-	
HT20	MCS0	1	64	5320	18.22	-	22.94	-	23.61	-	29.61	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna												
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	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	16.90	-	23.98	-	4.00	-	30	Pass
11a	6Mbps	1	60	5300	16.90	-	23.98	-	4.00	-	30	Pass
11a	6Mbps	1	64	5320	16.90	-	23.98	-	4.00	-	30	Pass
HT20	MCS0	1	52	5260	16.80	-	23.98	-	4.00	-	30	Pass
HT20	MCS0	1	60	5300	16.80	-	23.98	-	4.00	-	30	Pass
HT20	MCS0	1	64	5320	16.80	-	23.98	-	4.00	-	30	Pass
VHT20	MCS0	1	52	5260	16.70	-	23.98	-	4.00	-	30	Pass
VHT20	MCS0	1	60	5300	16.70	-	23.98	-	4.00	-	30	Pass
VHT20	MCS0	1	64	5320	16.70	-	23.98	-	4.00	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna															
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	1	52	5260	4.15	-	7.04	-	-	11.00	-	4.00	-	-	Pass
11a	6Mbps	1	60	5300	4.15	-	7.13	-		11.00	-	4.00	-		Pass
11a	6Mbps	1	64	5320	4.15	-	7.13	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	52	5260	4.38	-	6.36	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	60	5300	4.38	-	6.30	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	64	5320	4.38	-	6.14	-		11.00	-	4.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
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	1	100	5500	17.70	-	22.54	-	23.48	-	29.48	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.62	-	22.05	-	23.46	-	29.46	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.71	-	21.94	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.08	-	22.25	-	23.57	-	29.57	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.09	-	21.77	-	23.57	-	29.57	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.13	-	22.57	-	23.58	-	29.58	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna												
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	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	16.10	-	23.98	-	4.00	-	30	Pass
11a	6Mbps	1	116	5580	15.60	-	23.98	-	4.00	-	30	Pass
11a	6Mbps	1	140	5700	14.90	-	23.98	-	4.00	-	30	Pass
HT20	MCS0	1	100	5500	16.00	-	23.98	-	4.00	-	30	Pass
HT20	MCS0	1	116	5580	15.50	-	23.98	-	4.00	-	30	Pass
HT20	MCS0	1	140	5700	14.90	-	23.98	-	4.00	-	30	Pass
VHT20	MCS0	1	100	5500	15.90	-	23.98	-	4.00	-	30	Pass
VHT20	MCS0	1	116	5580	15.40	-	23.98	-	4.00	-	30	Pass
VHT20	MCS0	1	140	5700	14.80	-	23.98	-	4.00	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna															
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	1	100	5500	4.15	-	6.05	-		11.00	-	4.00	-		Pass
11a	6Mbps	1	116	5580	4.15	-	5.36	-		11.00	-	4.00	-		Pass
11a	6Mbps	1	140	5700	4.15	-	4.71	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	100	5500	4.38	-	5.30	-	-	11.00	-	4.00	-	-	Pass
HT20	MCS0	1	116	5580	4.38	-	5.01	-		11.00	-	4.00	-		Pass
HT20	MCS0	1	140	5700	4.38	-	3.95	-		11.00	-	4.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna														
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	1	36	5180	Full	19.04	-	21.25	-	-		22.80	-	-	-
HE20	MCS0	1	36	5180	26/0	18.18	-	19.69	-	-		22.60	-		
HE20	MCS0	1	36	5180	52/37	17.95	-	21.53	-	-		22.54	-		
HE20	MCS0	1	36	5180	106/53	17.81	-	21.17	-	-		22.51	-		
HE20	MCS0	1	44	5220	Full	19.25	-	33.57	-	-		22.84	-		
HE20	MCS0	1	44	5220	26/4	16.11	-	17.98	-	-		22.07	-		
HE20	MCS0	1	44	5220	52/38	16.28	-	18.06	-	-		22.12	-		
HE20	MCS0	1	44	5220	106/53	17.76	-	20.86	-	-		22.49	-		
HE20	MCS0	1	48	5240	Full	19.25	-	33.74	-	-		22.84	-		
HE20	MCS0	1	48	5240	26/8	17.94	-	20.27	-	-		22.54	-		
HE20	MCS0	1	48	5240	52/40	17.97	-	21.73	-	-		22.54	-		
HE20	MCS0	1	48	5240	106/54	17.85	-	21.00	-	-		22.52	-		

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna													
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	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	36	5180	Full	14.70	-	24.00	-	4.00	-	-	Pass
HE20	MCS0	1	36	5180	26/0	11.30	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	36	5180	52/37	11.70	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	36	5180	106/53	12.00	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	Full	16.90	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	26/4	11.80	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	52/38	12.00	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	106/53	12.00	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	Full	16.90	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	26/8	11.30	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	52/40	11.60	-	24.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	106/54	11.90	-	24.00	-	4.00	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna															
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	1	36	5180	Full	4.80	-	3.94	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	36	5180	26/0	5.05	-	8.96	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	36	5180	52/37	5.46	-	6.79	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	36	5180	106/53	5.24	-	4.07	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	Full	4.80	-	6.02	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	26/4	5.05	-	7.92	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	44	5220	52/38	5.46	-	7.12	-	-	11.00	-	4.00	-	-	Pass
HE20	MCS0	1	44	5220	106/53	5.24	-	4.31	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	Full	4.80	-	6.11	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	26/8	5.05	-	8.87	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	52/40	5.46	-	6.77	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	48	5240	106/54	5.24	-	4.24	-		11.00	-	4.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna																
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	1	52	5260	Full	19.25	-	31.74	-	23.84	-	29.84	-	23.98	-	
HE20	MCS0	1	52	5260	26/0	18.06	-	20.19	-	23.57	-	29.57	-	23.98	-	
HE20	MCS0	1	52	5260	52/37	17.92	-	20.32	-	23.53	-	29.53	-	23.98	-	
HE20	MCS0	1	52	5260	106/53	17.78	-	22.08	-	23.50	-	29.50	-	23.98	-	
HE20	MCS0	1	60	5300	Full	19.28	-	30.67	-	23.85	-	29.85	-	23.98	-	
HE20	MCS0	1	60	5300	26/4	16.14	-	17.94	-	23.08	-	29.08	-	23.54	-	
HE20	MCS0	1	60	5300	52/38	16.31	-	17.99	-	23.13	-	29.13	-	23.55	-	
HE20	MCS0	1	60	5300	106/53	17.73	-	20.96	-	23.49	-	29.49	-	23.98	-	
HE20	MCS0	1	64	5320	Full	19.10	-	25.58	-	23.81	-	29.81	-	23.98	-	
HE20	MCS0	1	64	5320	26/8	18.00	-	20.04	-	23.55	-	29.55	-	23.98	-	
HE20	MCS0	1	64	5320	52/40	17.99	-	19.77	-	23.55	-	29.55	-	23.96	-	
HE20	MCS0	1	64	5320	106/54	17.83	-	20.57	-	23.51	-	29.51	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna														
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	1	52	5260	Full	17.00	-	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	52	5260	26/0	11.50	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	52	5260	52/37	11.90	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	52	5260	106/53	12.20	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	60	5300	Full	17.00	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	60	5300	26/4	11.90	-		23.54	-	4.00	-	30	Pass
HE20	MCS0	1	60	5300	52/38	12.30	-		23.55	-	4.00	-	30	Pass
HE20	MCS0	1	60	5300	106/53	12.20	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	64	5320	Full	16.00	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	64	5320	26/8	11.50	-		23.98	-	4.00	-	30	Pass
HE20	MCS0	1	64	5320	52/40	11.80	-		23.96	-	4.00	-	30	Pass
HE20	MCS0	1	64	5320	106/54	12.10	-		23.98	-	4.00	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna																
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	1	52	5260	Full	4.80	-	6.00	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	52	5260	26/0	5.05	-	9.08	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	52	5260	52/37	5.46	-	6.85	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	52	5260	106/53	5.24	-	4.22	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	60	5300	Full	4.80	-	6.05	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	60	5300	26/4	5.05	-	8.02	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	60	5300	52/38	5.46	-	7.36	-	-	11.00	-	4.00	-	-	Pass
HE20	MCS0	1	60	5300	106/53	5.24	-	4.42	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	64	5320	Full	4.80	-	5.13	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	64	5320	26/8	5.05	-	9.01	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	64	5320	52/40	5.46	-	6.90	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	64	5320	106/54	5.24	-	4.26	-		11.00	-	4.00	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																	
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	1	100	5500	Full	19.17	-	24.86	-	23.83	-	29.83	-	23.98	-	----	----
HE20	MCS0	1	100	5500	26/0	18.00	-	20.06	-	23.55	-	29.55	-	23.98	-	----	----
HE20	MCS0	1	100	5500	52/37	17.87	-	19.64	-	23.52	-	29.52	-	23.93	-	----	----
HE20	MCS0	1	100	5500	106/53	17.71	-	20.93	-	23.48	-	29.48	-	23.98	-	----	----
HE20	MCS0	1	116	5580	Full	19.15	-	25.80	-	23.82	-	29.82	-	23.98	-	----	----
HE20	MCS0	1	116	5580	26/4	16.13	-	17.97	-	23.08	-	29.08	-	23.54	-	----	----
HE20	MCS0	1	116	5580	52/38	16.25	-	18.05	-	23.11	-	29.11	-	23.56	-	----	----
HE20	MCS0	1	116	5580	106/53	17.70	-	20.45	-	23.48	-	29.48	-	23.98	-	----	----
HE20	MCS0	1	140	5700	Full	19.15	-	29.54	-	23.82	-	29.82	-	23.98	-	----	----
HE20	MCS0	1	140	5700	26/8	17.99	-	20.00	-	23.55	-	29.55	-	23.98	-	----	----
HE20	MCS0	1	140	5700	52/40	17.93	-	21.22	-	23.54	-	29.54	-	23.98	-	----	----
HE20	MCS0	1	140	5700	106/54	17.84	-	21.78	-	23.51	-	29.51	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna													
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	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	1	100	5500	Full	16.20	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	100	5500	26/0	10.60	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	100	5500	52/37	11.00	-	23.93	-	4.00	-	30	Pass
HE20	MCS0	1	100	5500	106/53	11.30	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	116	5580	Full	15.70	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	116	5580	26/4	10.40	-	23.54	-	4.00	-	30	Pass
HE20	MCS0	1	116	5580	52/38	10.90	-	23.56	-	4.00	-	30	Pass
HE20	MCS0	1	116	5580	106/53	10.90	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	140	5700	Full	15.00	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	140	5700	26/8	9.40	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	140	5700	52/40	9.70	-	23.98	-	4.00	-	30	Pass
HE20	MCS0	1	140	5700	106/54	10.10	-	23.98	-	4.00	-	30	Pass

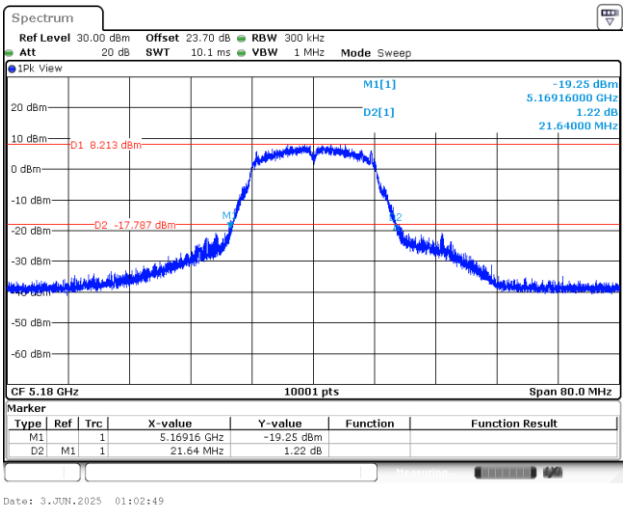
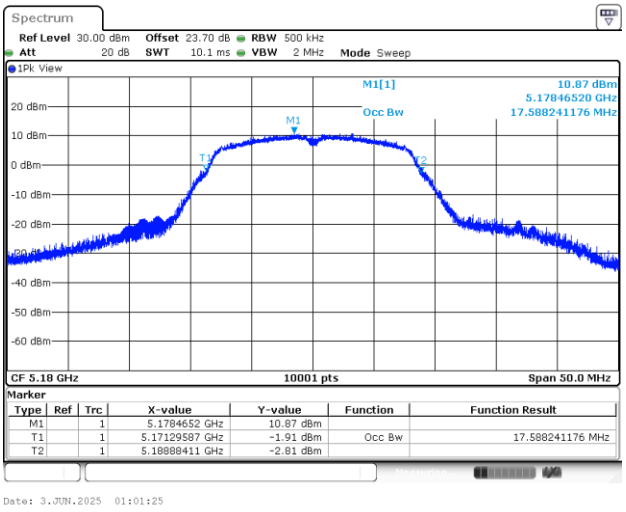
TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna																
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	1	100	5500	Full	4.80	-	5.01	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	100	5500	26/0	5.05	-	8.06	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	100	5500	52/37	5.46	-	6.12	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	100	5500	106/53	5.24	-	3.38	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	116	5580	Full	4.80	-	4.74	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	116	5580	26/4	5.05	-	6.32	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	116	5580	52/38	5.46	-	5.79	-	-	11.00	-	4.00	-	-	Pass
HE20	MCS0	1	116	5580	106/53	5.24	-	2.60	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	140	5700	Full	4.80	-	3.61	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	140	5700	26/8	5.05	-	6.43	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	140	5700	52/40	5.46	-	4.34	-		11.00	-	4.00	-		Pass
HE20	MCS0	1	140	5700	106/54	5.24	-	1.70	-		11.00	-	4.00	-		Pass

Test Result of 26dB & 99% Occupied Bandwidth

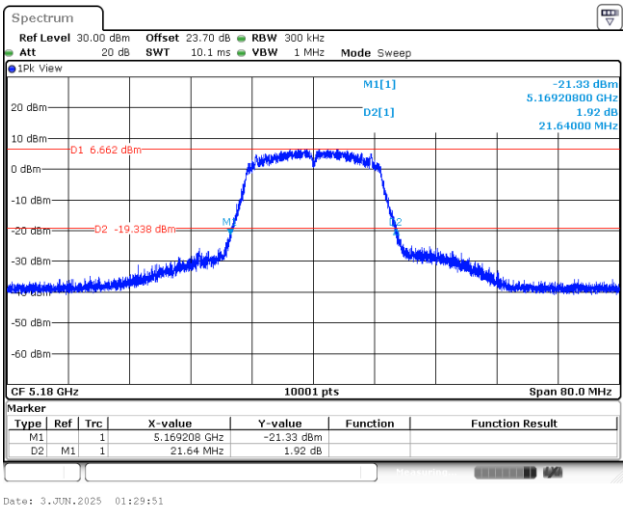
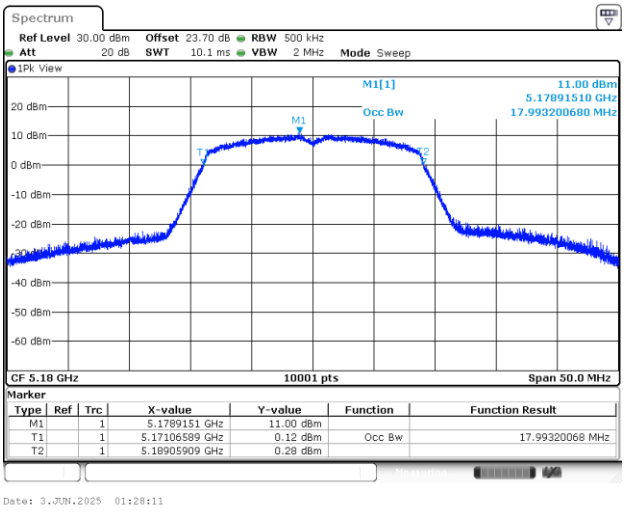
<Ant. 1>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

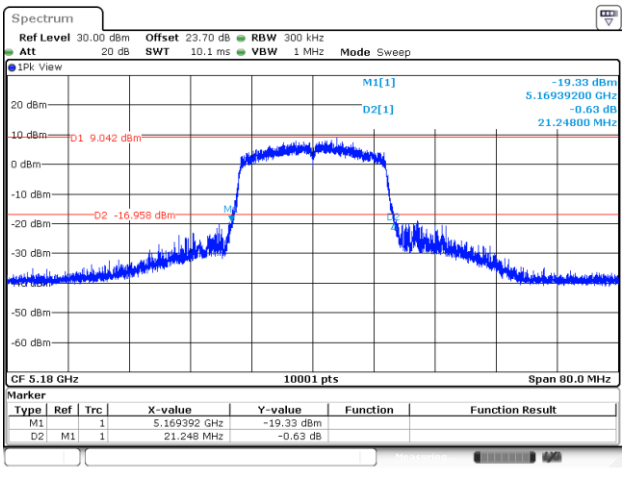
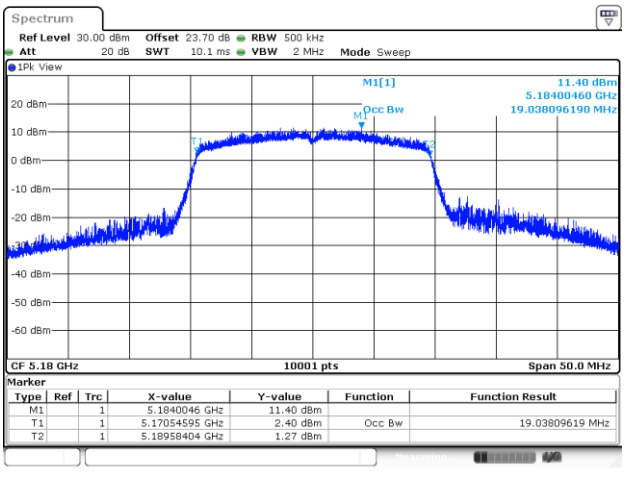
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11an HT20>

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
	

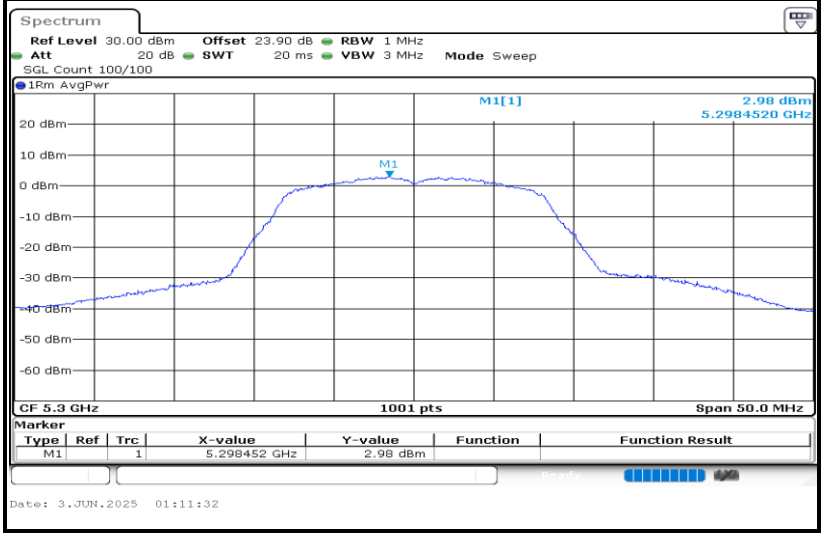
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

<Ant1.>

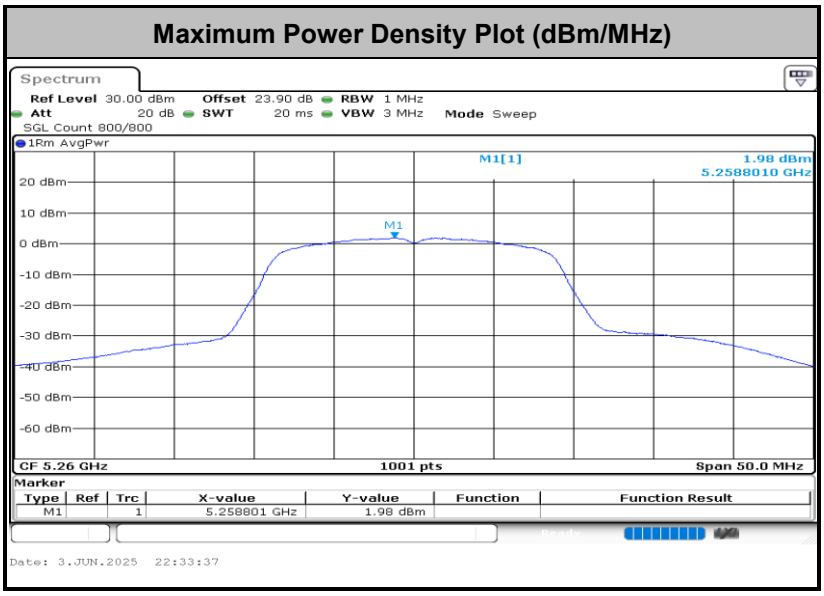
<802.11a>

Maximum Power Density Plot (dBm/MHz)



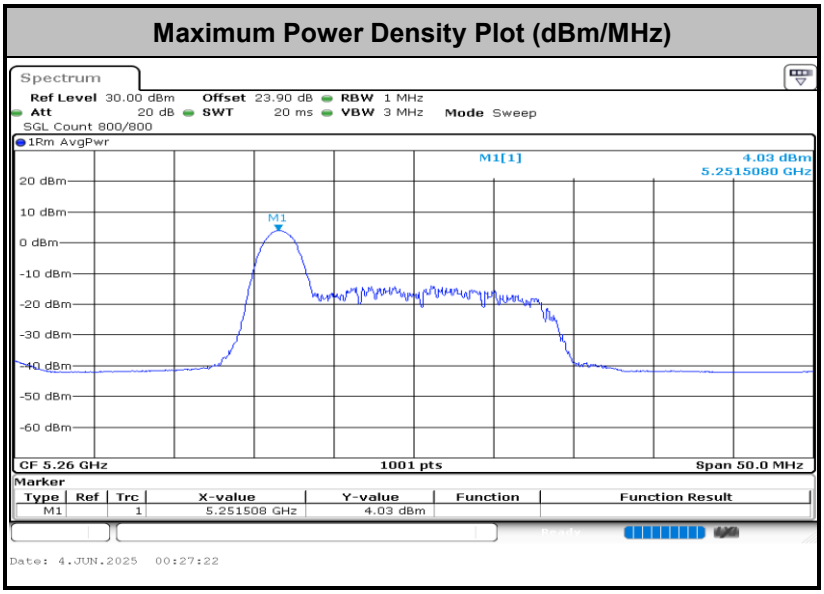
<802.11an HT20>

Maximum Power Density Plot (dBm/MHz)



<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)



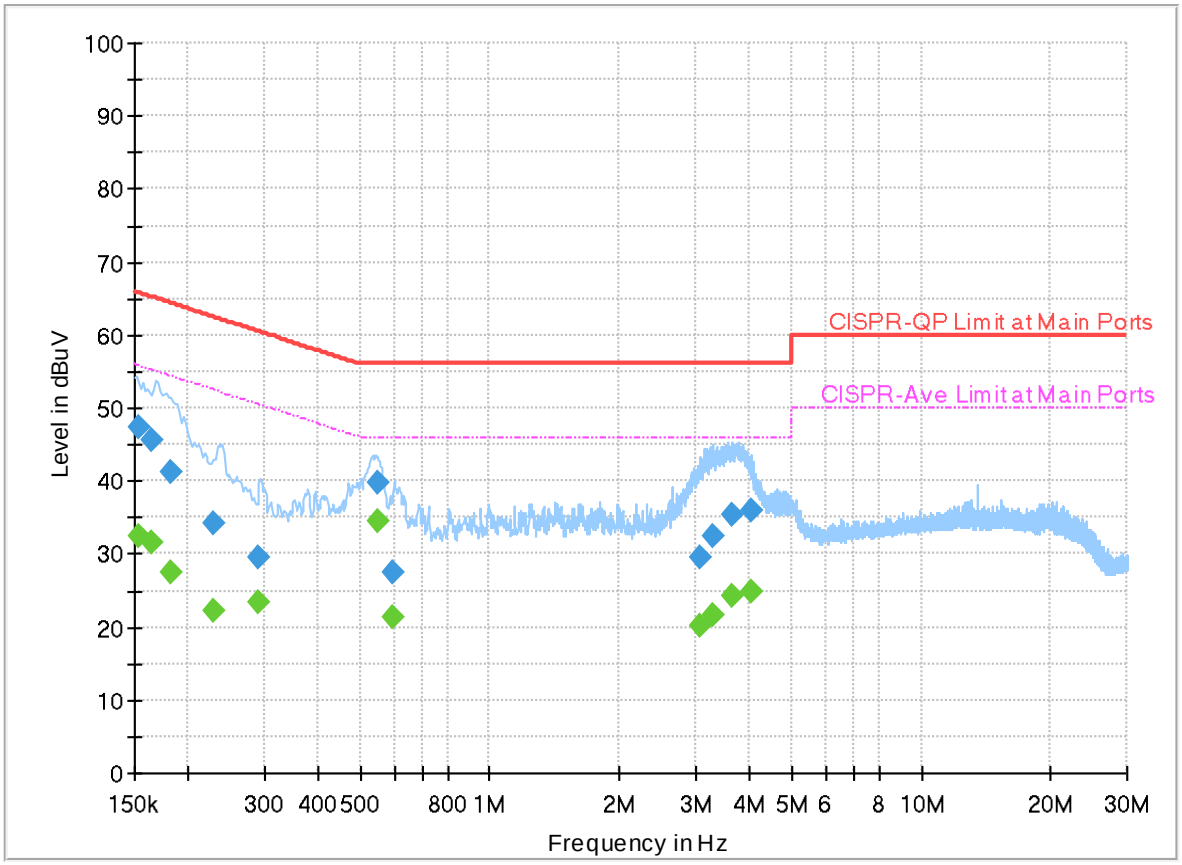
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.5~24.7℃
		Relative Humidity :	52.8~59.1%

EUT Information

Report NO :	550509
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Line

Full Spectrum



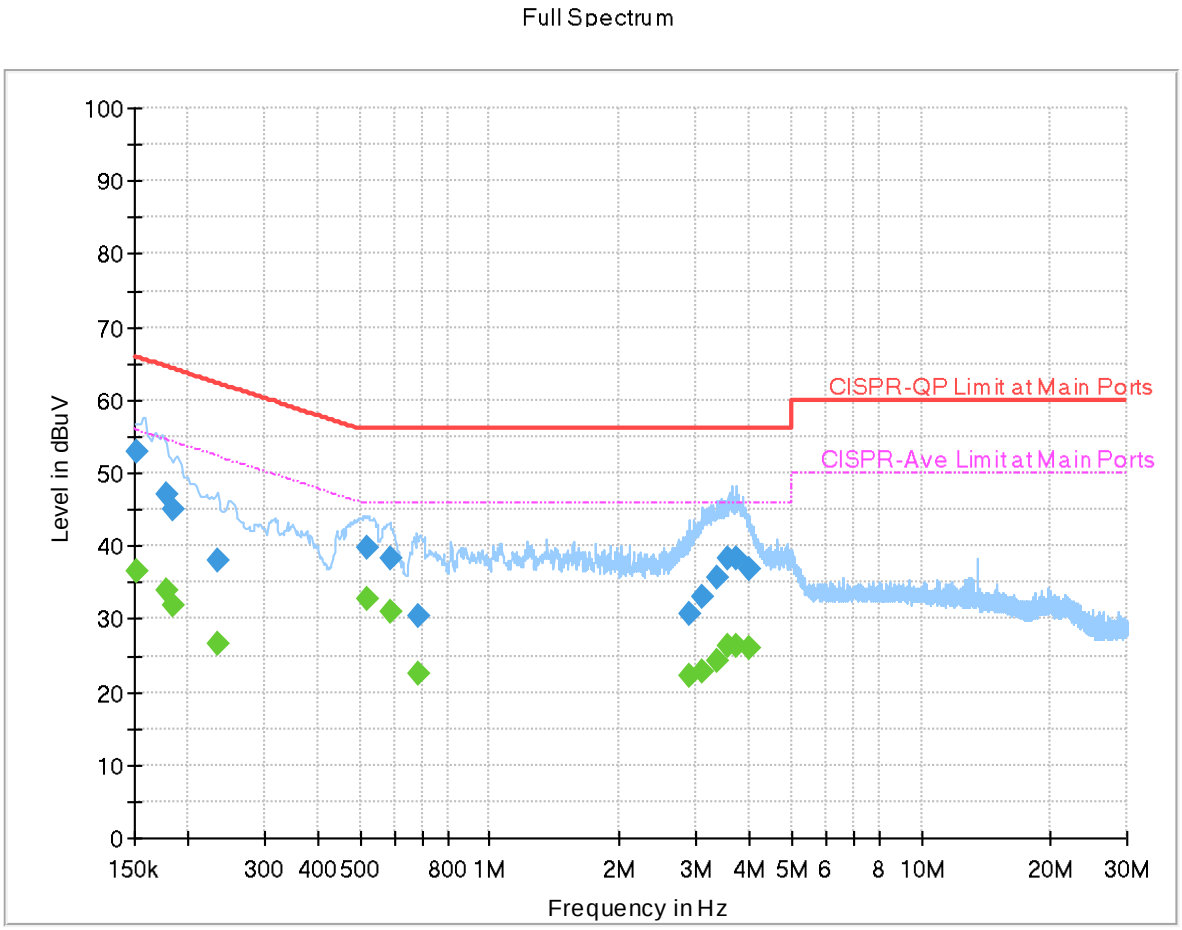
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.153780	---	32.35	55.79	23.44	L1	FLO	20.0
0.153780	47.26	---	65.79	18.53	L1	FLO	20.0
0.164400	---	31.58	55.24	23.66	L1	FLO	20.0
0.164400	45.50	---	65.24	19.74	L1	FLO	20.0
0.181500	---	27.54	54.42	26.88	L1	FLO	20.0
0.181500	41.25	---	64.42	23.17	L1	FLO	20.0
0.228750	---	22.19	52.50	30.31	L1	FLO	20.0
0.228750	34.17	---	62.50	28.33	L1	FLO	20.0
0.289500	---	23.28	50.54	27.26	L1	FLO	20.0
0.289500	29.56	---	60.54	30.98	L1	FLO	20.0
0.549780	---	34.47	46.00	11.53	L1	FLO	20.0
0.549780	39.76	---	56.00	16.24	L1	FLO	20.0
0.597480	---	21.49	46.00	24.51	L1	FLO	20.0
0.597480	27.56	---	56.00	28.44	L1	FLO	20.0
3.064560	---	20.04	46.00	25.96	L1	FLO	20.1
3.064560	29.65	---	56.00	26.35	L1	FLO	20.1
3.293610	---	21.60	46.00	24.40	L1	FLO	20.1
3.293610	32.49	---	56.00	23.51	L1	FLO	20.1
3.633900	---	24.19	46.00	21.81	L1	FLO	20.1

3.633900	**35.36**	**---**	**56.00**	**20.64**	**L1**	**FLO**	**20.1**
4.038000	**---**	**24.84**	**46.00**	**21.16**	**L1**	**FLO**	**20.1**
4.038000	**35.95**	**---**	**56.00**	**20.05**	**L1**	**FLO**	**20.1**

EUT Information

Report NO :	550509
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.152250	---	36.54	55.88	19.34	N	FLO	20.0
0.152250	52.78	---	65.88	13.10	N	FLO	20.0
0.177270	---	33.85	54.61	20.76	N	FLO	20.0
0.177270	47.11	---	64.61	17.50	N	FLO	20.0
0.183750	---	31.80	54.31	22.51	N	FLO	20.0
0.183750	44.94	---	64.31	19.37	N	FLO	20.0
0.233430	---	26.67	52.33	25.66	N	FLO	20.0
0.233430	38.04	---	62.33	24.29	N	FLO	20.0
0.516750	---	32.87	46.00	13.13	N	FLO	20.0
0.516750	39.90	---	56.00	16.10	N	FLO	20.0
0.587940	---	31.05	46.00	14.95	N	FLO	20.0
0.587940	38.23	---	56.00	17.77	N	FLO	20.0
0.682980	---	22.51	46.00	23.49	N	FLO	20.0
0.682980	30.35	---	56.00	25.65	N	FLO	20.0
2.911470	---	22.30	46.00	23.70	N	FLO	20.1
2.911470	30.79	---	56.00	25.21	N	FLO	20.1
3.096510	---	22.82	46.00	23.18	N	FLO	20.1
3.096510	33.18	---	56.00	22.82	N	FLO	20.1
3.356250	---	24.24	46.00	21.76	N	FLO	20.1

3.356250	**35.57**	**---**	**56.00**	**20.43**	**N**	**FLO**	**20.1**
3.582690	**---**	**26.26**	**46.00**	**19.74**	**N**	**FLO**	**20.1**
3.582690	**38.22**	**---**	**56.00**	**17.78**	**N**	**FLO**	**20.1**
3.712290	**---**	**26.43**	**46.00**	**19.57**	**N**	**FLO**	**20.1**
3.712290	**38.23**	**---**	**56.00**	**17.77**	**N**	**FLO**	**20.1**
4.007760	**---**	**25.95**	**46.00**	**20.05**	**N**	**FLO**	**20.1**
4.007760	**36.83**	**---**	**56.00**	**19.17**	**N**	**FLO**	**20.1**

Appendix C. Conducted Spurious Emission

Test Engineer :	Kai Liao	Temperature :	22.3~24.9°C
		Relative Humidity :	52.5~72.4%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 36 5180MHz		5147.78	-33.69	-12.49	-21.2	-38.78	4	1.09	0	0	P
		5149.94	-42.6	-1.4	-41.2	-47.69	4	1.09	0	0	A
	*	5180	14.86	-	-	9.73	4	1.13	0	0	P
	*	5180	9.1	-	-	3.97	4	1.13	0	0	A
802.11a CH 44 5220MHz		5135.96	-43.33	-22.13	-21.2	-48.4	4	1.07	0	0	P
		5141.46	-50.55	-9.35	-41.2	-55.63	4	1.08	0	0	A
	*	5220	17.39	-	-	12.25	4	1.14	0	0	P
	*	5220	9.63	-	-	4.49	4	1.14	0	0	A
		5379.12	-50.4	-29.2	-21.2	-55.41	4	1.01	0	0	P
		5379.36	-56.23	-15.03	-41.2	-61.24	4	1.01	0	0	A
802.11a CH 48 5240MHz		5139.2	-48.77	-27.57	-21.2	-53.85	4	1.08	0	0	P
		5138.48	-56.49	-15.29	-41.2	-61.57	4	1.08	0	0	A
	*	5240	16.58	-	-	11.45	4	1.13	0	0	P
	*	5240	9.44	-	-	4.31	4	1.13	0	0	A
		5398.18	-49.04	-27.84	-21.2	-54.03	4	0.99	0	0	P
		5401.48	-55.93	-14.73	-41.2	-60.92	4	0.99	0	0	A
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 36 5180MHz		4859	-46.56	-25.36	-21.2	-51.53	4	0.97	0	0	P
		5522	-46.05	-19.05	-27	-51.11	4	1.06	0	0	P
		6475	-45.21	-18.21	-27	-50.21	4	1	0	0	P
		6906.5	-47.87	-20.87	-27	-53.18	4	1.31	0	0	P
		7770	-68.59	-41.59	-27	-75.04	4	2.45	0	0	P
		8633	-61.57	-34.57	-27	-68.02	4	2.45	0	0	P
		9068	-68.34	-47.14	-21.2	-74.64	4	2.3	0	0	P
		10360	-56.97	-29.97	-27	-63.33	4	2.36	0	0	P
		15540	-66.82	-45.62	-21.2	-73.36	4	2.54	0	0	P
802.11a CH 44 5220MHz		4893	-44.75	-23.55	-21.2	-49.7	4	0.95	0	0	P
		5556	-43.76	-16.76	-27	-48.84	4	1.08	0	0	P
		6525	-45.62	-18.62	-27	-50.69	4	1.07	0	0	P
		6959.8	-48.57	-21.57	-27	-53.77	4	1.2	0	0	P
		7830	-67.31	-40.31	-27	-73.72	4	2.41	0	0	P
		8699.7	-53.81	-26.81	-27	-60.21	4	2.4	0	0	P
		9134	-69.2	-48	-21.2	-75.48	4	2.28	0	0	P
		10443	-54.13	-27.13	-27	-60.5	4	2.37	0	0	P
		15660	-60.48	-39.28	-21.2	-67.01	4	2.53	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 48 5240MHz		4910	-43.96	-22.76	-21.2	-48.9	4	0.94	0	0	P
		5573	-45.64	-18.64	-27	-50.73	4	1.09	0	0	P
		6550	-46.39	-19.39	-27	-51.49	4	1.1	0	0	P
		6986.5	-49.04	-22.04	-27	-55.73	4	2.69	0	0	P
		7860	-69.38	-42.38	-27	-75.74	4	2.36	0	0	P
		8733	-56.15	-29.15	-27	-62.52	4	2.37	0	0	P
		9177	-68.01	-46.81	-21.2	-74.27	4	2.26	0	0	P
		10480	-56.03	-29.03	-27	-62.4	4	2.37	0	0	P
		15720	-65.23	-44.03	-21.2	-71.76	4	2.53	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5146.7	-34.17	-12.97	-21.2	-39.26	4	1.09	0	0	P
802.11n		5149.76	-43.72	-2.52	-41.2	-48.81	4	1.09	0	0	A
HT20	*	5180	14.81	-	-	9.68	4	1.13	0	0	P
CH 36	*	5180	8.15	-	-	3.02	4	1.13	0	0	A
5180MHz											
		5138.16	-42.91	-21.71	-21.2	-47.99	4	1.08	0	0	P
		5141.46	-50.67	-9.47	-41.2	-55.75	4	1.08	0	0	A
802.11n	*	5220	17.34	-	-	12.2	4	1.14	0	0	P
HT20	*	5220	9.36	-	-	4.22	4	1.14	0	0	A
CH 44		5384.16	-49.09	-27.89	-21.2	-54.09	4	1	0	0	P
5220MHz		5378.4	-56.27	-15.07	-41.2	-61.28	4	1.01	0	0	A
		5076.08	-49.38	-28.18	-21.2	-54.37	4	0.99	0	0	P
		5139.44	-55.81	-14.61	-41.2	-60.89	4	1.08	0	0	A
802.11n	*	5240	15.89	-	-	10.76	4	1.13	0	0	P
HT20	*	5240	9.27	-	-	4.14	4	1.13	0	0	A
CH 48		5403.24	-50.06	-28.86	-21.2	-55.05	4	0.99	0	0	P
5240MHz		5397.96	-56.73	-15.53	-41.2	-61.72	4	0.99	0	0	A
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 36 5180MHz		4859	-45.17	-23.97	-21.2	-50.14	4	0.97	0	0	P
		5522	-46.01	-19.01	-27	-51.07	4	1.06	0	0	P
		6475	-45.75	-18.75	-27	-50.75	4	1	0	0	P
		6906.5	-48.39	-21.39	-27	-55.31	4	2.92	0	0	P
		7770	-68.76	-41.76	-27	-75.21	4	2.45	0	0	P
		8633	-58.86	-31.86	-27	-65.31	4	2.45	0	0	P
		9058	-69.37	-48.17	-21.2	-75.68	4	2.31	0	0	P
		10360	-58.59	-31.59	-27	-64.95	4	2.36	0	0	P
		15540	-66.34	-45.14	-21.2	-72.88	4	2.54	0	0	P
802.11n HT20 CH 44 5220MHz		4893	-44.84	-23.64	-21.2	-49.79	4	0.95	0	0	P
		5556	-44.45	-17.45	-27	-49.53	4	1.08	0	0	P
		6525	-46.86	-19.86	-27	-51.93	4	1.07	0	0	P
		6959.8	-48.83	-21.83	-27	-55.6	4	2.77	0	0	P
		7830	-65.9	-38.9	-27	-72.31	4	2.41	0	0	P
		8699.7	-55.17	-28.17	-27	-61.57	4	2.4	0	0	P
		9143	-70.13	-48.93	-21.2	-76.4	4	2.27	0	0	P
		10440	-55.86	-28.86	-27	-62.23	4	2.37	0	0	P
		15660	-58.32	-37.12	-21.2	-64.85	4	2.53	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 48 5240MHz		4910	-45.4	-24.2	-21.2	-50.34	4	0.94	0	0	P
		5573	-44.51	-17.51	-27	-49.6	4	1.09	0	0	P
		6550	-46.45	-19.45	-27	-51.55	4	1.1	0	0	P
		6986.5	-48.93	-21.93	-27	-55.62	4	2.69	0	0	P
		7860	-68.13	-41.13	-27	-74.49	4	2.36	0	0	P
		8733	-56.42	-29.42	-27	-62.79	4	2.37	0	0	P
		9177	-68.95	-47.75	-21.2	-75.21	4	2.26	0	0	P
		10480	-57.28	-30.28	-27	-63.65	4	2.37	0	0	P
		15720	-63.38	-42.18	-21.2	-69.91	4	2.53	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 - 5150~5250MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 36 5180MHz		5148.14	-32.99	-11.79	-21.2	-38.08	4	1.09	0	0	P
		5149.94	-41.94	-0.74	-41.2	-47.03	4	1.09	0	0	A
	*	5180	14.31	-	-	9.18	4	1.13	0	0	P
	*	5180	7.78	-	-	2.65	4	1.13	0	0	A
802.11ax HE20 Full CH 44 5220MHz		5138.16	-43.39	-22.19	-21.2	-48.47	4	1.08	0	0	P
		5138.6	-50.67	-9.47	-41.2	-55.75	4	1.08	0	0	A
	*	5220	15.83	-	-	10.69	4	1.14	0	0	P
	*	5220	9.21	-	-	4.07	4	1.14	0	0	A
		5384.4	-48.67	-27.47	-21.2	-53.67	4	1	0	0	P
		5378.4	-56.07	-14.87	-41.2	-61.08	4	1.01	0	0	A
802.11ax HE20 Full CH 48 5240MHz		5139.68	-47.55	-26.35	-21.2	-52.63	4	1.08	0	0	P
		5139.92	-54.57	-13.37	-41.2	-59.65	4	1.08	0	0	A
	*	5240	15.36	-	-	10.23	4	1.13	0	0	P
	*	5240	9.1	-	-	3.97	4	1.13	0	0	A
		5399.28	-49.4	-28.2	-21.2	-54.39	4	0.99	0	0	P
		5397.96	-56.27	-15.07	-41.2	-61.26	4	0.99	0	0	A
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		4859	-45.07	-23.87	-21.2	-50.04	4	0.97	0	0	P
		5505	-47.38	-20.38	-27	-52.43	4	1.05	0	0	P
		6475	-45.49	-18.49	-27	-50.49	4	1	0	0	P
802.11ax		6906.5	-47.93	-20.93	-27	-54.85	4	2.92	0	0	P
HE20 Full		7770	-66.75	-39.75	-27	-73.2	4	2.45	0	0	P
CH 36		8633	-63.69	-36.69	-27	-70.14	4	2.45	0	0	P
5180MHz		9075	-68.85	-47.65	-21.2	-75.15	4	2.3	0	0	P
		10360	-58.45	-31.45	-27	-64.81	4	2.36	0	0	P
		15540	-65.3	-44.1	-21.2	-71.84	4	2.54	0	0	P
		4910	-43.57	-22.37	-21.2	-48.51	4	0.94	0	0	P
		5556	-45.67	-18.67	-27	-50.75	4	1.08	0	0	P
		6525	-46.41	-19.41	-27	-51.48	4	1.07	0	0	P
802.11ax		6959.8	-49.27	-22.27	-27	-56.04	4	2.77	0	0	P
HE20 Full		7830	-67.06	-40.06	-27	-73.47	4	2.41	0	0	P
CH 44		8699.7	-55.52	-28.52	-27	-61.92	4	2.4	0	0	P
5220MHz		9143	-69.52	-48.32	-21.2	-75.79	4	2.27	0	0	P
		10440	-55.35	-28.35	-27	-61.72	4	2.37	0	0	P
		15660	-59.68	-38.48	-21.2	-66.21	4	2.53	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 48 5240MHz		4910	-44.44	-23.24	-21.2	-49.38	4	0.94	0	0	P
		5573	-44.53	-17.53	-27	-49.62	4	1.09	0	0	P
		6550	-46.23	-19.23	-27	-51.33	4	1.1	0	0	P
		6986.5	-49.9	-22.9	-27	-56.59	4	2.69	0	0	P
		7860	-68.63	-41.63	-27	-74.99	4	2.36	0	0	P
		8733	-56.08	-29.08	-27	-62.45	4	2.37	0	0	P
		9177	-69.28	-48.08	-21.2	-75.54	4	2.26	0	0	P
		10480	-56.78	-29.78	-27	-63.15	4	2.37	0	0	P
		15720	-58.91	-37.71	-21.2	-65.44	4	2.53	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 36 5180MHz		5135.9	-40.81	-19.61	-21.2	-45.88	4	1.07	0	0	P
		5091.44	-47.84	-6.64	-41.2	-52.85	4	1.01	0	0	A
	*	5180	17.89	-	-	12.76	4	1.13	0	0	P
	*	5180	13.16	-	-	8.03	4	1.13	0	0	A
802.11ax HE20 Partial 26/4 CH 44 5220MHz		5141.02	-41.94	-20.74	-21.2	-47.02	4	1.08	0	0	P
		5140.8	-48.28	-7.08	-41.2	-53.36	4	1.08	0	0	A
	*	5220	18.32	-	-	13.18	4	1.14	0	0	P
	*	5220	12.13	-	-	6.99	4	1.14	0	0	A
		5380.8	-47.05	-25.85	-21.2	-52.06	4	1.01	0	0	P
		5380.8	-53.05	-11.85	-41.2	-58.06	4	1.01	0	0	A
802.11ax HE20 Partial 26/8 CH 48 5240MHz		5140.16	-42.5	-21.3	-21.2	-47.58	4	1.08	0	0	P
		5139.68	-48.08	-6.88	-41.2	-53.16	4	1.08	0	0	A
	*	5240	18.54	-	-	13.41	4	1.13	0	0	P
	*	5240	13.13	-	-	8	4	1.13	0	0	A
		5408.74	-46.48	-25.28	-21.2	-51.47	4	0.99	0	0	P
		5408.52	-52.15	-10.95	-41.2	-57.14	4	0.99	0	0	A
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 36 5180MHz		4846	-39.81	-18.61	-21.2	-44.79	4	0.98	0	0	P
		4846	-47.42	-6.22	-41.2	-52.4	4	0.98	0	0	A
		5494	-43.72	-16.72	-27	-48.76	4	1.04	0	0	P
		6475	-45.3	-18.3	-27	-50.3	4	1	0	0	P
		6906.5	-46.51	-19.51	-27	-51.82	4	1.31	0	0	P
		7770	-66.78	-39.78	-27	-73.03	4	2.45	0	0	P
		8628	-56.26	-29.26	-27	-62.51	4	2.45	0	0	P
		9057	-65.36	-44.16	-21.2	-71.47	4	2.31	0	0	P
		10360	-51.26	-24.26	-27	-57.42	4	2.36	0	0	P
802.11ax HE20 Partial 26/4 CH 44 5220MHz		4893	-43.86	-22.66	-21.2	-48.81	4	0.95	0	0	P
		5556	-46.35	-19.35	-27	-51.43	4	1.08	0	0	P
		6525	-44.28	-17.28	-27	-49.35	4	1.07	0	0	P
		6959.8	-47.6	-20.6	-27	-54.37	4	2.77	0	0	P
		7830	-62.93	-35.93	-27	-69.34	4	2.41	0	0	P
		8699.7	-52.23	-25.23	-27	-58.63	4	2.4	0	0	P
		9143	-65.62	-44.42	-21.2	-71.89	4	2.27	0	0	P
		10440	-52.46	-25.46	-27	-58.83	4	2.37	0	0	P
		15660	-58.15	-36.95	-21.2	-64.68	4	2.53	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/8 CH 48 5240MHz		4924	-40.52	-19.32	-21.2	-45.46	4	0.94	0	0	P
		4924	-47.11	-5.91	-41.2	-52.05	4	0.94	0	0	A
		5578	-37.51	-10.51	-27	-42.6	4	1.09	0	0	P
		6550	-44.83	-17.83	-27	-49.93	4	1.1	0	0	P
		6986.5	-47.3	-20.3	-27	-52.44	4	1.14	0	0	P
		7860	-68.86	-41.86	-27	-75.02	4	2.36	0	0	P
		8733	-53.84	-26.84	-27	-60.01	4	2.37	0	0	P
		9178	-64.71	-43.51	-21.2	-70.77	4	2.26	0	0	P
		10480	-52.91	-25.91	-27	-59.08	4	2.37	0	0	P
		15720	-60.82	-39.62	-21.2	-67.15	4	2.53	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax		5148.68	-37.75	-16.55	-21.2	-42.84	4	1.09	0	0	P
HE20		5092.52	-49.84	-8.64	-41.2	-54.85	4	1.01	0	0	A
Partial	*	5180	17.65	-	-	12.52	4	1.13	0	0	P
52/37	*	5180	11.3	-	-	6.17	4	1.13	0	0	A
CH 36											
5180MHz											
		5136.4	-42.19	-20.99	-21.2	-47.26	4	1.07	0	0	P
802.11ax		5136.62	-49.76	-8.56	-41.2	-54.83	4	1.07	0	0	A
HE20	*	5220	17.28	-	-	12.14	4	1.14	0	0	P
Partial	*	5220	11.27	-	-	6.13	4	1.14	0	0	A
52/38		5376.96	-47.81	-26.61	-21.2	-52.82	4	1.01	0	0	P
CH 44		5376.72	-54.19	-12.99	-41.2	-59.2	4	1.01	0	0	A
5220MHz											
		5138.72	-45.85	-24.65	-21.2	-50.93	4	1.08	0	0	P
802.11ax		5139.2	-51.3	-10.1	-41.2	-56.38	4	1.08	0	0	A
HE20	*	5240	16.58	-	-	11.45	4	1.13	0	0	P
Partial	*	5240	11.04	-	-	5.91	4	1.13	0	0	A
52/40		5407.86	-47.4	-26.2	-21.2	-52.39	4	0.99	0	0	P
CH 48		5407.64	-54.07	-12.87	-41.2	-59.06	4	0.99	0	0	A
5240MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 52 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 36 5180MHz		4859	-41.69	-20.49	-21.2	-46.66	4	0.97	0	0	P
		5505	-45.08	-18.08	-27	-50.13	4	1.05	0	0	P
		6475	-45.26	-18.26	-27	-50.26	4	1	0	0	P
		6906.5	-47.11	-20.11	-27	-54.03	4	2.92	0	0	P
		7770	-66.68	-39.68	-27	-73.13	4	2.45	0	0	P
		8633	-61.02	-34.02	-27	-67.47	4	2.45	0	0	P
		9058	-67.4	-46.2	-21.2	-73.71	4	2.31	0	0	P
		10360	-55.93	-28.93	-27	-62.29	4	2.36	0	0	P
802.11ax HE20 Partial 52/38 CH 44 5220MHz		4893	-43.9	-22.7	-21.2	-48.85	4	0.95	0	0	P
		5556	-46.31	-19.31	-27	-51.39	4	1.08	0	0	P
		6525	-45.94	-18.94	-27	-51.01	4	1.07	0	0	P
		6959.8	-46.25	-19.25	-27	-53.02	4	2.77	0	0	P
		7830	-66.82	-39.82	-27	-73.23	4	2.41	0	0	P
		8699.7	-54.98	-27.98	-27	-61.38	4	2.4	0	0	P
		9143	-66.92	-45.72	-21.2	-73.19	4	2.27	0	0	P
		10440	-55.2	-28.2	-27	-61.57	4	2.37	0	0	P
		15660	-58.32	-37.12	-21.2	-64.85	4	2.53	0	0	P
802.11ax HE20 Partial 52/38 CH 48 5240MHz		4918	-38.15	-16.95	-21.2	-43.09	4	0.94	0	0	P
		4918	-49.48	-8.28	-41.2	-54.42	4	0.94	0	0	A
		5578	-41.13	-14.13	-27	-46.22	4	1.09	0	0	P
		6550	-44.8	-17.8	-27	-49.9	4	1.1	0	0	P
		6986.5	-46.42	-19.42	-27	-51.56	4	1.14	0	0	P
		7860	-68.99	-41.99	-27	-75.15	4	2.36	0	0	P
		8733	-57.14	-30.14	-27	-63.31	4	2.37	0	0	P
		9178	-66.73	-45.53	-21.2	-72.79	4	2.26	0	0	P
		10480	-53.53	-26.53	-27	-59.7	4	2.37	0	0	P
		15720	-64.11	-42.91	-21.2	-70.44	4	2.53	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax		5148.5	-37.58	-16.38	-21.2	-42.67	4	1.09	0	0	P
HE20		5149.58	-50.67	-9.47	-41.2	-55.76	4	1.09	0	0	A
Partial	*	5180	16.02	-	-	10.89	4	1.13	0	0	P
106/53	*	5180	8.4	-	-	3.27	4	1.13	0	0	A
CH 36											
5180MHz											
		5135.74	-45.66	-24.46	-21.2	-50.73	4	1.07	0	0	P
802.11ax		5136.18	-52.08	-10.88	-41.2	-57.15	4	1.07	0	0	A
HE20	*	5220	14.64	-	-	9.5	4	1.14	0	0	P
Partial	*	5220	8.42	-	-	3.28	4	1.14	0	0	A
106/53		5374.56	-49.06	-27.86	-21.2	-54.07	4	1.01	0	0	P
CH 44		5374.56	-56.21	-15.01	-41.2	-61.22	4	1.01	0	0	A
5220MHz											
		5139.2	-45.4	-24.2	-21.2	-50.48	4	1.08	0	0	P
802.11ax		5139.44	-54.14	-12.94	-41.2	-59.22	4	1.08	0	0	A
HE20	*	5240	15.12	-	-	9.99	4	1.13	0	0	P
Partial	*	5240	8.41	-	-	3.28	4	1.13	0	0	A
106/54		5405.44	-48.51	-27.31	-21.2	-53.5	4	0.99	0	0	P
CH 48		5405	-56.32	-15.12	-41.2	-61.31	4	0.99	0	0	A
5240MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 36 5180MHz		4859	-44.71	-23.51	-21.2	-49.68	4	0.97	0	0	P
		5505	-47.4	-20.4	-27	-52.45	4	1.05	0	0	P
		6475	-45.26	-18.26	-27	-50.26	4	1	0	0	P
		6906.5	-46.89	-19.89	-27	-52.2	4	1.31	0	0	P
		7770	-67.08	-40.08	-27	-73.53	4	2.45	0	0	P
		8633	-63.72	-36.72	-27	-70.17	4	2.45	0	0	P
		9058	-68.54	-47.34	-21.2	-74.85	4	2.31	0	0	P
		10360	-58.83	-31.83	-27	-65.19	4	2.36	0	0	P
802.11ax HE20 Partial 106/54 CH 44 5220MHz		4893	-45.25	-24.05	-21.2	-50.2	4	0.95	0	0	P
		5556	-47.06	-20.06	-27	-52.14	4	1.08	0	0	P
		6525	-45.25	-18.25	-27	-50.32	4	1.07	0	0	P
		6959.8	-45.89	-18.89	-27	-51.09	4	1.2	0	0	P
		7830	-67.36	-40.36	-27	-73.77	4	2.41	0	0	P
		8699.7	-56.28	-29.28	-27	-62.68	4	2.4	0	0	P
		9143	-68.84	-47.64	-21.2	-75.11	4	2.27	0	0	P
		10440	-56.43	-29.43	-27	-62.8	4	2.37	0	0	P
		15660	-61.74	-40.54	-21.2	-68.27	4	2.53	0	0	P
802.11ax HE20 Partial 106/54 CH 48 5240MHz		4927	-44.76	-23.56	-21.2	-49.69	4	0.93	0	0	P
		5573	-43.9	-16.9	-27	-48.99	4	1.09	0	0	P
		6550	-44.77	-17.77	-27	-49.87	4	1.1	0	0	P
		6986.5	-47.64	-20.64	-27	-52.78	4	1.14	0	0	P
		7860	-68.23	-41.23	-27	-74.59	4	2.36	0	0	P
		8733	-55.94	-28.94	-27	-62.31	4	2.37	0	0	P
		9177	-69.4	-48.2	-21.2	-75.66	4	2.26	0	0	P
		10480	-58.9	-31.9	-27	-65.27	4	2.37	0	0	P
		15720	-66.44	-45.24	-21.2	-72.97	4	2.53	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 52 5260MHz		5099.06	-48.8	-27.6	-21.2	-53.82	4	1.02	0	0	P
		5098.54	-57.24	-16.04	-41.2	-62.26	4	1.02	0	0	A
	*	5260	16.15	-	-	11.04	4	1.11	0	0	P
	*	5260	9.3	-	-	4.19	4	1.11	0	0	A
		5418	-49.96	-28.76	-21.2	-54.96	4	1	0	0	P
		5421.2	-56.26	-15.06	-41.2	-61.26	4	1	0	0	A
802.11a CH 60 5300MHz		5142.2	-49.9	-28.7	-21.2	-54.98	4	1.08	0	0	P
		5141	-57	-15.8	-41.2	-62.08	4	1.08	0	0	A
	*	5300	16.03	-	-	10.95	4	1.08	0	0	P
	*	5300	9.22	-	-	4.14	4	1.08	0	0	A
		5382.56	-43.55	-22.35	-21.2	-48.55	4	1	0	0	P
		5379.04	-49.91	-8.71	-41.2	-54.92	4	1.01	0	0	A
802.11a CH 64 5320MHz	*	5320	15.63	-	-	10.57	4	1.06	0	0	P
	*	5320	8.92	-	-	3.86	4	1.06	0	0	A
		5352.9	-30.94	-9.74	-21.2	-35.97	4	1.03	0	0	P
		5350	-44.62	-3.42	-41.2	-49.65	4	1.03	0	0	A
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 52 5260MHz		4944	-44.83	-23.63	-21.2	-49.75	4	0.92	0	0	P
		5607	-46.05	-19.05	-27	-51.15	4	1.1	0	0	P
		6575	-46.34	-19.34	-27	-51.48	4	1.14	0	0	P
		7013.2	-51.86	-24.86	-27	-58.51	4	2.65	0	0	P
		7890	-67.98	-40.98	-27	-74.3	4	2.32	0	0	P
		8766.3	-61.25	-34.25	-27	-67.59	4	2.34	0	0	P
		10520	-51.03	-24.03	-27	-57.4	4	2.37	0	0	P
		15780	-54.2	-33	-21.2	-60.72	4	2.52	0	0	P
802.11a CH 60 5300MHz		4978	-44.05	-22.85	-21.2	-48.95	4	0.9	0	0	P
		5641	-45.67	-18.67	-27	-50.77	4	1.1	0	0	P
		6625	-46.86	-19.86	-27	-52.08	4	1.22	0	0	P
		7066.5	-50.79	-23.79	-27	-57.44	4	2.65	0	0	P
		7950	-62.22	-35.22	-27	-68.44	4	2.22	0	0	P
		8833	-58.89	-31.89	-27	-65.22	4	2.33	0	0	P
		9262	-69.35	-42.35	-27	-75.62	4	2.27	0	0	P
		10600	-53.18	-26.18	-27	-59.56	4	2.38	0	0	P
		15900	-52.94	-31.74	-21.2	-59.44	4	2.5	0	0	P
802.11a CH 64 5320MHz		4995	-44.38	-23.18	-21.2	-49.27	4	0.89	0	0	P
		5658	-46.14	-19.14	-27	-51.24	4	1.1	0	0	P
		6650	-45.9	-18.9	-27	-51.16	4	1.26	0	0	P
		7093.2	-50.63	-23.63	-27	-57.26	4	2.63	0	0	P
		7980	-62.95	-35.95	-27	-69.14	4	2.19	0	0	P
		8866.3	-60.55	-33.55	-27	-66.87	4	2.32	0	0	P
		9313	-69.25	-48.05	-21.2	-75.52	4	2.27	0	0	P
		10640	-50.88	-29.68	-21.2	-57.27	4	2.39	0	0	P
		15960	-56.17	-34.97	-21.2	-62.67	4	2.5	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5095.94	-50.3	-29.1	-21.2	-55.32	4	1.02	0	0	P
		5098.54	-57.38	-16.18	-41.2	-62.4	4	1.02	0	0	A
802.11n	*	5260	15.91	-	-	10.8	4	1.11	0	0	P
HT20	*	5260	9.11	-	-	4	4	1.11	0	0	A
CH 52		5417	-49.57	-28.37	-21.2	-54.57	4	1	0	0	P
5260MHz		5419	-56.41	-15.21	-41.2	-61.41	4	1	0	0	A
		5138.9	-50.09	-28.89	-21.2	-55.17	4	1.08	0	0	P
		5141.6	-57.06	-15.86	-41.2	-62.14	4	1.08	0	0	A
802.11n	*	5300	15.85	-	-	10.77	4	1.08	0	0	P
HT20	*	5300	8.75	-	-	3.67	4	1.08	0	0	A
CH 60		5353.44	-43.17	-21.97	-21.2	-48.2	4	1.03	0	0	P
5300MHz		5378.88	-50.05	-8.85	-41.2	-55.06	4	1.01	0	0	A
	*	5320	15.84	-	-	10.78	4	1.06	0	0	P
802.11n	*	5320	8.8	-	-	3.74	4	1.06	0	0	A
HT20		5350.52	-32.35	-11.15	-21.2	-37.38	4	1.03	0	0	P
CH 64		5350	-42.49	-1.29	-41.2	-47.52	4	1.03	0	0	A
5320MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 52 5260MHz		4944	-42.85	-21.65	-21.2	-47.77	4	0.92	0	0	P
		5607	-45.6	-18.6	-27	-50.7	4	1.1	0	0	P
		6575	-46.17	-19.17	-27	-51.31	4	1.14	0	0	P
		7013.2	-51.99	-24.99	-27	-58.64	4	2.65	0	0	P
		7890	-67.05	-40.05	-27	-73.37	4	2.32	0	0	P
		8766.3	-57	-30	-27	-63.34	4	2.34	0	0	P
		9211	-69.25	-42.25	-27	-75.5	4	2.25	0	0	P
		10520	-52.13	-25.13	-27	-58.5	4	2.37	0	0	P
		15780	-55.41	-34.21	-21.2	-61.93	4	2.52	0	0	P
802.11n HT20 CH 60 5300MHz		4978	-43.85	-22.65	-21.2	-48.75	4	0.9	0	0	P
		5641	-44.87	-17.87	-27	-49.97	4	1.1	0	0	P
		6625	-47.13	-20.13	-27	-52.35	4	1.22	0	0	P
		7066.5	-51.3	-24.3	-27	-57.95	4	2.65	0	0	P
		7950	-62.37	-35.37	-27	-68.59	4	2.22	0	0	P
		8833	-55.11	-28.11	-27	-61.44	4	2.33	0	0	P
		9279	-68.63	-41.63	-27	-74.9	4	2.27	0	0	P
		10600	-52.11	-25.11	-27	-58.49	4	2.38	0	0	P
		15900	-51.27	-30.07	-21.2	-57.77	4	2.5	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 64 5320MHz		4995	-44.59	-23.39	-21.2	-49.48	4	0.89	0	0	P
		5658	-45.63	-18.63	-27	-50.73	4	1.1	0	0	P
		6650	-47.09	-20.09	-27	-52.35	4	1.26	0	0	P
		7093.2	-50.69	-23.69	-27	-57.32	4	2.63	0	0	P
		7980	-64.05	-37.05	-27	-70.24	4	2.19	0	0	P
		8866.3	-58.84	-31.84	-27	-65.16	4	2.32	0	0	P
		9313	-70.45	-49.25	-21.2	-76.72	4	2.27	0	0	P
		10640	-50.94	-29.74	-21.2	-57.33	4	2.39	0	0	P
		15960	-57.72	-36.52	-21.2	-64.22	4	2.5	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5141.44	-49.48	-28.28	-21.2	-54.56	4	1.08	0	0	P
		5141.7	-57.02	-15.82	-41.2	-62.1	4	1.08	0	0	A
802.11ax	*	5260	15	-	-	9.89	4	1.11	0	0	P
HE20 Full	*	5260	8.46	-	-	3.35	4	1.11	0	0	A
CH 52		5360.6	-47.22	-26.02	-21.2	-52.24	4	1.02	0	0	P
5260MHz		5360.6	-55.9	-14.7	-41.2	-60.92	4	1.02	0	0	A
		5141	-49.72	-28.52	-21.2	-54.8	4	1.08	0	0	P
		5143.1	-57.09	-15.89	-41.2	-62.17	4	1.08	0	0	A
802.11ax	*	5300	16.07	-	-	10.99	4	1.08	0	0	P
HE20 Full	*	5300	8.43	-	-	3.35	4	1.08	0	0	A
CH 60		5351.52	-40.41	-19.21	-21.2	-45.44	4	1.03	0	0	P
5300MHz		5379.2	-50.22	-9.02	-41.2	-55.23	4	1.01	0	0	A
	*	5320	15.86	-	-	10.8	4	1.06	0	0	P
	*	5320	8.04	-	-	2.98	4	1.06	0	0	A
802.11ax		5352.34	-35.44	-14.24	-21.2	-40.47	4	1.03	0	0	P
HE20 Full		5350.1	-42.1	-0.9	-41.2	-47.13	4	1.03	0	0	A
CH 64											
5320MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Full (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 52 5260MHz		4944	-44.98	-23.78	-21.2	-49.9	4	0.92	0	0	P
		5607	-45.64	-18.64	-27	-50.74	4	1.1	0	0	P
		6575	-45.84	-18.84	-27	-50.98	4	1.14	0	0	P
		7013.2	-51.63	-24.63	-27	-58.28	4	2.65	0	0	P
		7890	-70.02	-43.02	-27	-76.34	4	2.32	0	0	P
		8766.3	-57.42	-30.42	-27	-63.76	4	2.34	0	0	P
		9211	-70.24	-43.24	-27	-76.49	4	2.25	0	0	P
		10520	-52.29	-25.29	-27	-58.66	4	2.37	0	0	P
		15780	-56.49	-35.29	-21.2	-63.01	4	2.52	0	0	P
802.11ax HE20 Full CH 60 5300MHz		4978	-44.06	-22.86	-21.2	-48.96	4	0.9	0	0	P
		5641	-43.79	-16.79	-27	-48.89	4	1.1	0	0	P
		6625	-47.28	-20.28	-27	-52.5	4	1.22	0	0	P
		7066.5	-50.92	-23.92	-27	-57.57	4	2.65	0	0	P
		7950	-62.72	-35.72	-27	-68.94	4	2.22	0	0	P
		8833	-54.09	-27.09	-27	-60.42	4	2.33	0	0	P
		9279	-70.05	-43.05	-27	-76.32	4	2.27	0	0	P
		10600	-52.58	-25.58	-27	-58.96	4	2.38	0	0	P
		15900	-52.33	-31.13	-21.2	-58.83	4	2.5	0	0	P
802.11ax HE20 Full CH 64 5320MHz		4984	-44.98	-23.78	-21.2	-49.88	4	0.9	0	0	P
		5656	-45.85	-18.85	-27	-50.95	4	1.1	0	0	P
		6650	-46.44	-19.44	-27	-51.7	4	1.26	0	0	P
		7093.2	-49	-22	-27	-55.63	4	2.63	0	0	P
		7980	-62.2	-35.2	-27	-68.39	4	2.19	0	0	P
		8866.3	-59.17	-32.17	-27	-65.49	4	2.32	0	0	P
		10640	-52.19	-30.99	-21.2	-58.58	4	2.39	0	0	P
		15960	-61.07	-39.87	-21.2	-67.57	4	2.5	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 52 5260MHz		5141.7	-47.11	-25.91	-21.2	-52.19	4	1.08	0	0	P
		5141.7	-52.82	-11.62	-41.2	-57.9	4	1.08	0	0	A
	*	5260	18.23	-	-	13.12	4	1.11	0	0	P
	*	5260	13.14	-	-	8.03	4	1.11	0	0	A
		5361.2	-41.45	-20.25	-21.2	-46.47	4	1.02	0	0	P
		5360.8	-48.82	-7.62	-41.2	-53.84	4	1.02	0	0	A
802.11ax HE20 Partial 26/4 CH 60 5300MHz		5139.2	-49.01	-27.81	-21.2	-54.09	4	1.08	0	0	P
		5139.2	-55.26	-14.06	-41.2	-60.34	4	1.08	0	0	A
	*	5300	17.88	-	-	12.8	4	1.08	0	0	P
	*	5300	11.58	-	-	6.5	4	1.08	0	0	A
		5380.8	-40.86	-19.66	-21.2	-45.87	4	1.01	0	0	P
		5380.8	-47.11	-5.91	-41.2	-52.12	4	1.01	0	0	A
802.11ax HE20 Partial 26/8 CH 64 5320MHz	*	5320	17.65	-	-	12.59	4	1.06	0	0	P
	*	5320	12.56	-	-	7.5	4	1.06	0	0	A
		5353.32	-23.68	-2.48	-21.2	-28.71	4	1.03	0	0	P
		5362.7	-42.95	-1.75	-41.2	-47.97	4	1.02	0	0	A
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 52 5260MHz		4927	-41.52	-20.32	-21.2	-46.45	4	0.93	0	0	P
		5590	-42.19	-15.19	-27	-47.28	4	1.09	0	0	P
		6575	-45.01	-18.01	-27	-50.15	4	1.14	0	0	P
		7013.2	-49.46	-22.46	-27	-56.11	4	2.65	0	0	P
		7890	-68.59	-41.59	-27	-74.91	4	2.32	0	0	P
		8766.3	-57.02	-30.02	-27	-63.36	4	2.34	0	0	P
		9211	-66.86	-39.86	-27	-73.11	4	2.25	0	0	P
		10520	-51.31	-24.31	-27	-57.68	4	2.37	0	0	P
		15780	-57.28	-36.08	-21.2	-63.8	4	2.52	0	0	P
802.11ax HE20 Partial 26/4 CH 60 5300MHz		4978	-44.29	-23.09	-21.2	-49.19	4	0.9	0	0	P
		5471	-46.64	-19.64	-27	-51.67	4	1.03	0	0	P
		5641	-46.51	-19.51	-27	-51.61	4	1.1	0	0	P
		6625	-43.81	-16.81	-27	-49.03	4	1.22	0	0	P
		7066.5	-49.81	-22.81	-27	-56.46	4	2.65	0	0	P
		7950	-59.3	-32.3	-27	-65.52	4	2.22	0	0	P
		8833	-53.58	-26.58	-27	-59.91	4	2.33	0	0	P
		9279	-66.25	-39.25	-27	-72.52	4	2.27	0	0	P
		10600	-49.16	-22.16	-27	-55.54	4	2.38	0	0	P
		15900	-47.73	-26.53	-21.2	-54.23	4	2.5	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/8 CH 64 5320MHz		4996	-39.28	-18.08	-21.2	-44.17	4	0.89	0	0	P
		4996	-46.67	-5.47	-41.2	-51.56	4	0.89	0	0	A
		5662	-40.87	-13.87	-27	-45.97	4	1.1	0	0	P
		6650	-45.2	-18.2	-27	-50.46	4	1.26	0	0	P
		7093.2	-49.22	-22.22	-27	-55.85	4	2.63	0	0	P
		7980	-61.13	-34.13	-27	-67.32	4	2.19	0	0	P
		8866.3	-58.19	-31.19	-27	-64.51	4	2.32	0	0	P
		9321	-66.55	-45.35	-21.2	-72.82	4	2.27	0	0	P
		10640	-50.97	-29.77	-21.2	-57.36	4	2.39	0	0	P
		15960	-61.84	-40.64	-21.2	-68.34	4	2.5	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5142.22	-47.78	-26.58	-21.2	-52.86	4	1.08	0	0	P
802.11ax		5141.7	-55.64	-14.44	-41.2	-60.72	4	1.08	0	0	A
HE20	*	5260	16.76	-	-	11.65	4	1.11	0	0	P
Partial	*	5260	10.9	-	-	5.79	4	1.11	0	0	A
52/37		5361	-45.86	-24.66	-21.2	-50.88	4	1.02	0	0	P
CH 52		5361	-52.56	-11.36	-41.2	-57.58	4	1.02	0	0	A
5260MHz											
		5136.5	-47.57	-26.37	-21.2	-52.64	4	1.07	0	0	P
802.11ax		5136.2	-55.97	-14.77	-41.2	-61.04	4	1.07	0	0	A
HE20	*	5300	16.66	-	-	11.58	4	1.08	0	0	P
Partial	*	5300	11.01	-	-	5.93	4	1.08	0	0	A
52/38		5377.92	-41.9	-20.7	-21.2	-46.91	4	1.01	0	0	P
CH 60		5376.64	-48.16	-6.96	-41.2	-53.17	4	1.01	0	0	A
5300MHz											
	*	5320	16.97	-	-	11.91	4	1.06	0	0	P
802.11ax	*	5320	10.47	-	-	5.41	4	1.06	0	0	A
HE20		5350	-30.09	-8.89	-21.2	-35.12	4	1.03	0	0	P
Partial		5353.46	-47.06	-5.86	-41.2	-52.09	4	1.03	0	0	A
52/40											
CH 64											
5320MHz											

Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 52 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 52 5260MHz		4927	-43.78	-22.58	-21.2	-48.71	4	0.93	0	0	P
		5590	-43.39	-16.39	-27	-48.48	4	1.09	0	0	P
		6575	-44.57	-17.57	-27	-49.71	4	1.14	0	0	P
		7013.2	-49.46	-22.46	-27	-56.11	4	2.65	0	0	P
		7890	-68.1	-41.1	-27	-74.42	4	2.32	0	0	P
		8766.3	-59.38	-32.38	-27	-65.72	4	2.34	0	0	P
		9211	-67.26	-40.26	-27	-73.51	4	2.25	0	0	P
		10520	-52.31	-25.31	-27	-58.68	4	2.37	0	0	P
		15780	-60.2	-39	-21.2	-66.72	4	2.52	0	0	P
802.11ax HE20 Partial 52/38 CH 60 5300MHz		4978	-43.94	-22.74	-21.2	-48.84	4	0.9	0	0	P
		5471	-45.8	-18.8	-27	-50.83	4	1.03	0	0	P
		5624	-46.53	-19.53	-27	-51.63	4	1.1	0	0	P
		6625	-45.42	-18.42	-27	-50.64	4	1.22	0	0	P
		7066.5	-49.32	-22.32	-27	-55.97	4	2.65	0	0	P
		7950	-61.02	-34.02	-27	-67.24	4	2.22	0	0	P
		8833	-57.18	-30.18	-27	-63.51	4	2.33	0	0	P
		9279	-67.59	-40.59	-27	-73.86	4	2.27	0	0	P
		10600	-51.53	-24.53	-27	-57.91	4	2.38	0	0	P
		15900	-50.84	-29.64	-21.2	-57.34	4	2.5	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/40 CH 64 5320MHz		4996	-39.76	-18.56	-21.2	-44.65	4	0.89	0	0	P
		4996	-49.36	-8.16	-41.2	-54.25	4	0.89	0	0	A
		5662	-40.88	-13.88	-27	-45.98	4	1.1	0	0	P
		6650	-44.84	-17.84	-27	-50.1	4	1.26	0	0	P
		7093.2	-49.76	-22.76	-27	-56.39	4	2.63	0	0	P
		7980	-61.32	-34.32	-27	-67.51	4	2.19	0	0	P
		8866.3	-58.87	-31.87	-27	-65.19	4	2.32	0	0	P
		9321	-66.57	-45.37	-21.2	-72.84	4	2.27	0	0	P
		10640	-52.94	-31.74	-21.2	-59.33	4	2.39	0	0	P
		15960	-62.49	-41.29	-21.2	-68.99	4	2.5	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5140.66	-49.23	-28.03	-21.2	-54.31	4	1.08	0	0	P
802.11ax		5141.96	-57.28	-16.08	-41.2	-62.36	4	1.08	0	0	A
HE20	*	5260	15.04	-	-	9.93	4	1.11	0	0	P
Partial	*	5260	8.18	-	-	3.07	4	1.11	0	0	A
106/53		5360.4	-46.51	-25.31	-21.2	-51.53	4	1.02	0	0	P
CH 52		5360.4	-55.32	-14.12	-41.2	-60.34	4	1.02	0	0	A
5260MHz											
		5134.7	-50.11	-28.91	-21.2	-55.18	4	1.07	0	0	P
802.11ax		5135	-57.68	-16.48	-41.2	-62.75	4	1.07	0	0	A
HE20	*	5300	15.41	-	-	10.33	4	1.08	0	0	P
Partial	*	5300	8.07	-	-	2.99	4	1.08	0	0	A
106/53		5375.52	-44.68	-23.48	-21.2	-49.69	4	1.01	0	0	P
CH 60		5374.88	-51	-9.8	-41.2	-56.01	4	1.01	0	0	A
5300MHz											
	*	5320	14.55	-	-	9.49	4	1.06	0	0	P
802.11ax	*	5320	7.49	-	-	2.43	4	1.06	0	0	A
HE20		5352.76	-36.61	-15.41	-21.2	-41.64	4	1.03	0	0	P
Partial		5352.34	-45.66	-4.46	-41.2	-50.69	4	1.03	0	0	A
106/54											
CH 64											
5320MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 52 5260MHz		4927	-45.67	-24.47	-21.2	-50.6	4	0.93	0	0	P
		6575	-44.86	-17.86	-27	-50	4	1.14	0	0	P
		7013.2	-49.73	-22.73	-27	-56.38	4	2.65	0	0	P
		7890	-67.66	-40.66	-27	-73.98	4	2.32	0	0	P
		8766.3	-61.54	-34.54	-27	-67.88	4	2.34	0	0	P
		10520	-56.89	-29.89	-27	-63.26	4	2.37	0	0	P
		15780	-63.39	-42.19	-21.2	-69.91	4	2.52	0	0	P
802.11ax HE20 Partial 106/53 CH 60 5300MHz		4978	-44.61	-23.41	-21.2	-49.51	4	0.9	0	0	P
		5624	-47.51	-20.51	-27	-52.61	4	1.1	0	0	P
		6625	-44.7	-17.7	-27	-49.92	4	1.22	0	0	P
		7066.5	-50.04	-23.04	-27	-56.69	4	2.65	0	0	P
		7950	-61.78	-34.78	-27	-68	4	2.22	0	0	P
		8833	-56.98	-29.98	-27	-63.31	4	2.33	0	0	P
		9262	-67.71	-40.71	-27	-73.98	4	2.27	0	0	P
		10600	-53.84	-26.84	-27	-60.22	4	2.38	0	0	P
		15900	-53.74	-32.54	-21.2	-60.24	4	2.5	0	0	P
802.11ax HE20 Partial 106/54 CH 64 5320MHz		4995	-44.43	-23.23	-21.2	-49.32	4	0.89	0	0	P
		5658	-43.46	-16.46	-27	-48.56	4	1.1	0	0	P
		6650	-45.25	-18.25	-27	-50.51	4	1.26	0	0	P
		7093.2	-50.03	-23.03	-27	-56.66	4	2.63	0	0	P
		7980	-61.6	-34.6	-27	-67.79	4	2.19	0	0	P
		8866.3	-54.89	-27.89	-27	-61.21	4	2.32	0	0	P
		9313	-68.83	-47.63	-21.2	-75.1	4	2.27	0	0	P
		10640	-54.24	-33.04	-21.2	-60.63	4	2.39	0	0	P
		15960	-63.05	-41.85	-21.2	-69.55	4	2.5	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11a CH 100 5500MHz		5457.25	-41.72	-20.52	-21.2	-46.74	4	1.02	0	0	P
		5469.4	-33.78	-6.78	-27	-38.81	4	1.03	0	0	P
		5458.75	-49.02	-7.82	-41.2	-54.04	4	1.02	0	0	A
	*	5500	15.65	-	-	10.6	4	1.05	0	0	P
	*	5500	8.37	-	-	3.32	4	1.05	0	0	A
802.11a CH 116 5580MHz		5422.22	-50.21	-29.01	-21.2	-55.21	4	1	0	0	P
		5468.68	-52.9	-25.9	-27	-57.93	4	1.03	0	0	P
		5421.07	-57.15	-15.95	-41.2	-62.15	4	1	0	0	A
	*	5580	15.46	-	-	10.37	4	1.09	0	0	P
	*	5580	8.32	-	-	3.23	4	1.09	0	0	A
		5742.06	-49.28	-22.28	-27	-54.37	4	1.09	0	0	P
802.11a CH 140 5700MHz	*	5700	15.29	-	-	10.19	4	1.1	0	0	P
	*	5700	8.48	-	-	3.38	4	1.1	0	0	A
		5725.09	-29.32	-2.32	-27	-34.41	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5152	-43.28	-16.28	-27	-48.38	4	1.1	0	0	P
		5848	-46.15	-19.15	-27	-51.24	4	1.09	0	0	P
		6875	-47.52	-20.52	-27	-52.9	4	1.38	0	0	P
802.11a		7333.2	-48.87	-27.67	-21.2	-55.37	4	2.5	0	0	P
CH 100		8250	-63.39	-42.19	-21.2	-69.83	4	2.44	0	0	P
5500MHz		9166.3	-56.47	-35.27	-21.2	-62.74	4	2.27	0	0	P
		11000	-54.54	-33.34	-21.2	-60.99	4	2.45	0	0	P
		16500	-66.01	-39.01	-27	-72.62	4	2.61	0	0	P
		5233	-42.97	-15.97	-27	-48.1	4	1.13	0	0	P
		5930	-45.54	-18.54	-27	-50.63	4	1.09	0	0	P
		6975	-47.64	-20.64	-27	-52.8	4	1.16	0	0	P
802.11a		7439.8	-48.43	-27.23	-21.2	-54.86	4	2.43	0	0	P
CH 116		8370	-62.93	-41.73	-21.2	-69.48	4	2.55	0	0	P
5580MHz		9299.6	-61.07	-34.07	-27	-67.34	4	2.27	0	0	P
		11160	-61.91	-40.71	-21.2	-68.35	4	2.44	0	0	P
		16740	-64.57	-37.57	-27	-71.23	4	2.66	0	0	P
		5352	-45.01	-23.81	-21.2	-50.04	4	1.03	0	0	P
		6066	-46.55	-19.55	-27	-51.61	4	1.06	0	0	P
		6423	-48.61	-21.61	-27	-53.54	4	0.93	0	0	P
		7125	-48.56	-21.56	-27	-55.21	4	2.65	0	0	P
802.11a		7599.8	-46.79	-25.59	-21.2	-53.16	4	2.37	0	0	P
CH 140		8550	-65.13	-38.13	-27	-71.62	4	2.49	0	0	P
5700MHz		9499.6	-67.17	-45.97	-21.2	-73.47	4	2.3	0	0	P
		11400	-64.78	-43.58	-21.2	-71.22	4	2.44	0	0	P
		17100	-67.15	-40.15	-27	-73.88	4	2.73	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5458.9	-38.43	-17.23	-21.2	-43.45	4	1.02	0	0	P
		5469.25	-30.64	-3.64	-27	-35.67	4	1.03	0	0	P
802.11n		5460	-47.38	-6.18	-41.2	-52.4	4	1.02	0	0	A
HT20	*	5500	14.87	-	-	9.82	4	1.05	0	0	P
CH 100	*	5500	8.06	-	-	3.01	4	1.05	0	0	A
5500MHz											
		5422.91	-48.35	-27.15	-21.2	-53.35	4	1	0	0	P
		5469.83	-52.81	-25.81	-27	-57.84	4	1.03	0	0	P
802.11n		5418.77	-57.55	-16.35	-41.2	-62.55	4	1	0	0	A
HT20	*	5580	15.8	-	-	10.71	4	1.09	0	0	P
CH 116	*	5580	8.18	-	-	3.09	4	1.09	0	0	A
5580MHz		5741.505	-48.53	-21.53	-27	-53.62	4	1.09	0	0	P
	*	5700	14.73	-	-	9.63	4	1.1	0	0	P
	*	5700	7.82	-	-	2.72	4	1.1	0	0	A
802.11n		5725.09	-31.55	-4.55	-27	-36.64	4	1.09	0	0	P
HT20											
CH 140											
5700MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11n HT20 CH 100 5500MHz		5165	-43.45	-16.45	-27	-48.56	4	1.11	0	0	P
		5845	-46.16	-19.16	-27	-51.25	4	1.09	0	0	P
		6875	-46.83	-19.83	-27	-52.21	4	1.38	0	0	P
		7333.2	-49.25	-28.05	-21.2	-55.75	4	2.5	0	0	P
		8250	-62.81	-41.61	-21.2	-69.25	4	2.44	0	0	P
		9166.3	-59.8	-38.6	-21.2	-66.07	4	2.27	0	0	P
		11000	-54.74	-33.54	-21.2	-61.19	4	2.45	0	0	P
		16500	-66.21	-39.21	-27	-72.82	4	2.61	0	0	P
802.11n HT20 CH 116 5580MHz		5233	-43.41	-16.41	-27	-48.54	4	1.13	0	0	P
		5947	-46.21	-19.21	-27	-51.3	4	1.09	0	0	P
		6975	-47.28	-20.28	-27	-52.44	4	1.16	0	0	P
		7439.8	-48.33	-27.13	-21.2	-54.76	4	2.43	0	0	P
		8370	-63.96	-42.76	-21.2	-70.51	4	2.55	0	0	P
		9299.6	-60.31	-33.31	-27	-66.58	4	2.27	0	0	P
		11160	-60.76	-39.56	-21.2	-67.2	4	2.44	0	0	P
		16740	-64.35	-37.35	-27	-71.01	4	2.66	0	0	P
802.11n HT20 CH 140 5700MHz		5352	-44.04	-22.84	-21.2	-49.07	4	1.03	0	0	P
		6049	-45.74	-18.74	-27	-50.81	4	1.07	0	0	P
		7125	-48.97	-21.97	-27	-55.62	4	2.65	0	0	P
		7599.8	-46.57	-25.37	-21.2	-52.94	4	2.37	0	0	P
		8550	-64.94	-37.94	-27	-71.43	4	2.49	0	0	P
		9499.6	-67.56	-46.36	-21.2	-73.86	4	2.3	0	0	P
		11400	-65.04	-43.84	-21.2	-71.48	4	2.44	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5459.5	-36.17	-14.97	-21.2	-41.19	4	1.02	0	0	P
		5467.75	-31.4	-4.4	-27	-36.43	4	1.03	0	0	P
802.11ax		5459.35	-44.79	-3.59	-41.2	-49.81	4	1.02	0	0	A
HE20 Full	*	5500	15.08	-	-	10.03	4	1.05	0	0	P
CH 100	*	5500	7.65	-	-	2.6	4	1.05	0	0	A
5500MHz											
		5421.99	-50.21	-29.01	-21.2	-55.21	4	1	0	0	P
		5470	-52.05	-25.05	-27	-57.08	4	1.03	0	0	P
802.11ax		5419.46	-57.68	-16.48	-41.2	-62.68	4	1	0	0	A
HE20 Full	*	5580	15.57	-	-	10.48	4	1.09	0	0	P
CH 116	*	5580	7.93	-	-	2.84	4	1.09	0	0	A
5580MHz		5737.25	-49.02	-22.02	-27	-54.11	4	1.09	0	0	P
	*	5700	14.58	-	-	9.48	4	1.1	0	0	P
	*	5700	7.68	-	-	2.58	4	1.1	0	0	A
802.11ax		5727.82	-29.16	-2.16	-27	-34.25	4	1.09	0	0	P
HE20 Full											
CH 140											
5700MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Full CH 100 5500MHz		5165	-43.12	-16.12	-27	-48.23	4	1.11	0	0	P
		5845	-44.63	-17.63	-27	-49.72	4	1.09	0	0	P
		6875	-46.95	-19.95	-27	-52.33	4	1.38	0	0	P
		7333.2	-55.67	-34.47	-21.2	-62.17	4	2.5	0	0	P
		8250	-65.15	-43.95	-21.2	-71.59	4	2.44	0	0	P
		9166.3	-54.82	-33.62	-21.2	-61.09	4	2.27	0	0	P
		11000	-55.81	-34.61	-21.2	-62.26	4	2.45	0	0	P
802.11ax HE20 Full CH 116 5580MHz		5233	-43.42	-16.42	-27	-48.55	4	1.13	0	0	P
		5930	-46.54	-19.54	-27	-51.63	4	1.09	0	0	P
		6975	-47.78	-20.78	-27	-52.94	4	1.16	0	0	P
		7439.8	-54.92	-33.72	-21.2	-61.35	4	2.43	0	0	P
		8370	-68.3	-47.1	-21.2	-74.85	4	2.55	0	0	P
		9299.6	-59.24	-32.24	-27	-65.51	4	2.27	0	0	P
		11160	-63.88	-42.68	-21.2	-70.32	4	2.44	0	0	P
		16740	-63.5	-36.5	-27	-70.16	4	2.66	0	0	P
802.11ax HE20 Full CH 140 5700MHz		5352	-42.99	-21.79	-21.2	-48.02	4	1.03	0	0	P
		6066	-46.21	-19.21	-27	-51.27	4	1.06	0	0	P
		7125	-48.53	-21.53	-27	-55.18	4	2.65	0	0	P
		7599.8	-45.94	-24.74	-21.2	-52.31	4	2.37	0	0	P
		8550	-62.5	-35.5	-27	-68.99	4	2.49	0	0	P
		9499.6	-63.44	-42.24	-21.2	-69.74	4	2.3	0	0	P
		11400	-64.85	-43.65	-21.2	-71.29	4	2.44	0	0	P
		17100	-69.07	-42.07	-27	-75.8	4	2.73	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 100 5260MHz		5458.75	-39.49	-18.29	-21.2	-44.51	4	1.02	0	0	P
		5461	-42.48	-15.48	-27	-47.5	4	1.02	0	0	P
		5411.35	-48.87	-7.67	-41.2	-53.87	4	1	0	0	A
	*	5500	16.81	-	-	11.76	4	1.05	0	0	P
	*	5500	11.67	-	-	6.62	4	1.05	0	0	A
802.11ax HE20 Partial 26/4 CH 116 5580MHz		5419.23	-48.91	-27.71	-21.2	-53.91	4	1	0	0	P
		5468.22	-52.74	-25.74	-27	-57.77	4	1.03	0	0	P
		5419.23	-55.8	-14.6	-41.2	-60.8	4	1	0	0	A
	*	5580	15.96	-	-	10.87	4	1.09	0	0	P
	*	5580	10.29	-	-	5.2	4	1.09	0	0	A
		5739.285	-48.45	-21.45	-27	-53.54	4	1.09	0	0	P
802.11ax HE20 Partial 26/8 CH 140 5700MHz	*	5700	17.57	-	-	12.47	4	1.1	0	0	P
	*	5700	11	-	-	5.9	4	1.1	0	0	A
		5725.22	-27.95	-0.95	-27	-33.04	4	1.09	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/0 CH 100 5500MHz		5146	-39.53	-18.33	-21.2	-44.62	4	1.09	0	0	P
		5146	-46.86	-5.66	-41.2	-51.95	4	1.09	0	0	A
		5836	-40.69	-13.69	-27	-45.78	4	1.09	0	0	P
		6875	-45.18	-18.18	-27	-50.56	4	1.38	0	0	P
		7330	-48.69	-27.49	-21.2	-55.19	4	2.5	0	0	P
		8250	-61.24	-40.04	-21.2	-67.68	4	2.44	0	0	P
		9166.3	-52.42	-31.22	-21.2	-58.69	4	2.27	0	0	P
		11000	-56.16	-34.96	-21.2	-62.61	4	2.45	0	0	P
		16471	-65.41	-38.41	-27	-72.01	4	2.6	0	0	P
802.11ax HE20 Partial 26/4 CH 116 5580MHz		5233	-43.55	-16.55	-27	-48.68	4	1.13	0	0	P
		5930	-47.11	-20.11	-27	-52.2	4	1.09	0	0	P
		6975	-45.65	-18.65	-27	-50.81	4	1.16	0	0	P
		7439.8	-47.2	-26	-21.2	-53.63	4	2.43	0	0	P
		8370	-59.95	-38.75	-21.2	-66.5	4	2.55	0	0	P
		9299.6	-54.89	-27.89	-27	-61.16	4	2.27	0	0	P
		11160	-60.19	-38.99	-21.2	-66.63	4	2.44	0	0	P
		16740	-65.14	-38.14	-27	-71.8	4	2.66	0	0	P

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 26/8 CH 140 5700MHz		5350.1	-40.57	-19.37	-21.2	-45.6	4	1.03	0	0	P
		5350.1	-48.07	-6.87	-41.2	-53.1	4	1.03	0	0	A
		6064	-39.91	-12.91	-27	-44.97	4	1.06	0	0	P
		6418	-45.16	-18.16	-27	-50.08	4	0.92	0	0	P
		7125	-46.36	-19.36	-27	-53.01	4	2.65	0	0	P
		7599.8	-46.05	-24.85	-21.2	-52.42	4	2.37	0	0	P
		8550	-63.7	-36.7	-27	-70.19	4	2.49	0	0	P
		9499.6	-65.95	-44.75	-21.2	-72.25	4	2.3	0	0	P
		11400	-61.2	-40	-21.2	-67.64	4	2.44	0	0	P
		17100	-64.81	-37.81	-27	-71.54	4	2.73	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5412.1	-44.51	-23.31	-21.2	-49.51	4	1	0	0	P
802.11ax		5470	-45.22	-18.22	-27	-50.25	4	1.03	0	0	P
HE20		5412.55	-50.76	-9.56	-41.2	-55.76	4	1	0	0	A
Partial	*	5500	18	-	-	12.95	4	1.05	0	0	P
52/37	*	5500	9.49	-	-	4.44	4	1.05	0	0	A
CH 100											
5500MHz											
		5416.47	-49.12	-27.92	-21.2	-54.12	4	1	0	0	P
802.11ax		5460.17	-51.93	-24.93	-27	-56.95	4	1.02	0	0	P
HE20		5416.01	-56.77	-15.57	-41.2	-61.77	4	1	0	0	A
Partial	*	5580	17.01	-	-	11.92	4	1.09	0	0	P
52/38	*	5580	9.42	-	-	4.33	4	1.09	0	0	A
CH 116		5735.955	-48.19	-21.19	-27	-53.28	4	1.09	0	0	P
5580MHz											
802.11ax	*	5700	16.29	-	-	11.19	4	1.1	0	0	P
HE20	*	5700	9.09	-	-	3.99	4	1.1	0	0	A
Partial		5725.74	-28.44	-1.44	-27	-33.53	4	1.09	0	0	P
52/40											
CH 140											
5700MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 52 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 52/37 CH 100 5500MHz		5165	-40.76	-13.76	-27	-45.87	4	1.11	0	0	P
		5845	-42.79	-15.79	-27	-47.88	4	1.09	0	0	P
		6875	-45.73	-18.73	-27	-51.11	4	1.38	0	0	P
		7333.2	-48.71	-27.51	-21.2	-55.21	4	2.5	0	0	P
		8250	-61.05	-39.85	-21.2	-67.49	4	2.44	0	0	P
		9166.3	-57.91	-36.71	-21.2	-64.18	4	2.27	0	0	P
		11000	-56.05	-34.85	-21.2	-62.5	4	2.45	0	0	P
		16500	-65.49	-38.49	-27	-72.1	4	2.61	0	0	P
802.11ax HE20 Partial 52/38 CH 116 5580MHz		5233	-42.7	-15.7	-27	-47.83	4	1.13	0	0	P
		5930	-45.74	-18.74	-27	-50.83	4	1.09	0	0	P
		6975	-45.91	-18.91	-27	-51.07	4	1.16	0	0	P
		7439.8	-47.21	-26.01	-21.2	-53.64	4	2.43	0	0	P
		8370	-61.91	-40.71	-21.2	-68.46	4	2.55	0	0	P
		9299.6	-55.16	-28.16	-27	-61.43	4	2.27	0	0	P
		11160	-60.67	-39.47	-21.2	-67.11	4	2.44	0	0	P
		16740	-62.66	-35.66	-27	-69.32	4	2.66	0	0	P
802.11ax HE20 Partial 52/40 CH 140 5700MHz		5352	-43.33	-22.13	-21.2	-48.36	4	1.03	0	0	P
		6066	-43.06	-16.06	-27	-48.12	4	1.06	0	0	P
		7125	-46.29	-19.29	-27	-52.94	4	2.65	0	0	P
		7599.8	-45.88	-24.68	-21.2	-52.25	4	2.37	0	0	P
		8550	-64.02	-37.02	-27	-70.51	4	2.49	0	0	P
		9499.6	-66.77	-45.57	-21.2	-73.07	4	2.3	0	0	P
		11400	-61.32	-40.12	-21.2	-67.76	4	2.44	0	0	P
		17100	-66.67	-39.67	-27	-73.4	4	2.73	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
		5459.95	-44.14	-22.94	-21.2	-49.16	4	1.02	0	0	P
802.11ax		5460.55	-43.14	-16.14	-27	-48.16	4	1.02	0	0	P
HE20		5414.8	-52.91	-11.71	-41.2	-57.91	4	1	0	0	A
Partial	*	5500	13.81	-	-	8.76	4	1.05	0	0	P
106/53	*	5500	6.81	-	-	1.76	4	1.05	0	0	A
CH 100											
5500MHz											
		5455.11	-49.48	-28.28	-21.2	-54.5	4	1.02	0	0	P
802.11ax		5463.39	-53.14	-26.14	-27	-58.16	4	1.02	0	0	P
HE20		5454.88	-58.36	-17.16	-41.2	-63.38	4	1.02	0	0	A
Partial	*	5580	13.15	-	-	8.06	4	1.09	0	0	P
1106/53	*	5580	6.62	-	-	1.53	4	1.09	0	0	A
CH 116		5736.325	-50.62	-23.62	-27	-55.71	4	1.09	0	0	P
5580MHz											
	*	5700	13.3	-	-	8.2	4	1.1	0	0	P
802.11ax	*	5700	6.27	-	-	1.17	4	1.1	0	0	A
HE20		5725.09	-31.7	-4.7	-27	-36.79	4	1.09	0	0	P
Partial											
106/54											
CH 140											
5700MHz											
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 Partial 106/53 CH 100 5500MHz		5165	-44.12	-17.12	-27	-49.23	4	1.11	0	0	P
		5845	-45.93	-18.93	-27	-51.02	4	1.09	0	0	P
		6875	-45.27	-18.27	-27	-50.65	4	1.38	0	0	P
		7333.2	-48.67	-27.47	-21.2	-55.17	4	2.5	0	0	P
		8250	-60.73	-39.53	-21.2	-67.17	4	2.44	0	0	P
		9166.3	-60.2	-39	-21.2	-66.47	4	2.27	0	0	P
		11000	-59.2	-38	-21.2	-65.65	4	2.45	0	0	P
		16500	-69	-42	-27	-75.61	4	2.61	0	0	P
802.11ax HE20 Partial 1106/53 CH 116 5580MHz		5233	-43.72	-16.72	-27	-48.85	4	1.13	0	0	P
		6975	-45.39	-18.39	-27	-50.55	4	1.16	0	0	P
		7439.8	-47.56	-26.36	-21.2	-53.99	4	2.43	0	0	P
		8370	-62.33	-41.13	-21.2	-68.88	4	2.55	0	0	P
		9299.6	-61.51	-34.51	-27	-67.78	4	2.27	0	0	P
		11160	-63.17	-41.97	-21.2	-69.61	4	2.44	0	0	P
		16740	-64	-37	-27	-70.66	4	2.66	0	0	P
802.11ax HE20 Partial 106/54 CH 140 5700MHz		5352	-43.97	-22.77	-21.2	-49	4	1.03	0	0	P
		6066	-45.51	-18.51	-27	-50.57	4	1.06	0	0	P
		7125	-47.92	-20.92	-27	-54.57	4	2.65	0	0	P
		7599.8	-45.86	-24.66	-21.2	-52.23	4	2.37	0	0	P
		8550	-64.63	-37.63	-27	-71.12	4	2.49	0	0	P
		9499.6	-64.43	-43.23	-21.2	-70.73	4	2.3	0	0	P
		11400	-65.68	-44.48	-21.2	-72.12	4	2.44	0	0	P
		17100	-67.96	-40.96	-27	-74.69	4	2.73	0	0	P
Remark	● No other spurious found. ● All results are PASS against Peak and Average limit line.										

Emission above 18GHz

WIFI 802.11ax HE20 (SHF)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBm)	Over Limit (dB)	Limit Line (dBm)	Read Level (dBm)	Antenna Gain (dBi)	Path Loss (dB)	MIMO Factor (dB)	Grounding Factor (dB)	Peak Average (P/A)
802.11ax HE20 SHF		38636	-63.52	-42.32	-21.2	-70.69	4	3.17	0	0	P
									0	0	P
Remark	● No other spurious found. ● All results are PASS against limit line.										

Emission below 1GHz

WIFI 802.11ax HE20 (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Gain	Path Loss	MIMO Factor	Grounding Factor	Peak Average
1		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(dB)	(P/A)
802.11ax HE20 LF		207.51	-85.76	-34.06	-51.7	-94.71	4	0.25	0	4.7	P
		274.44	-85.61	-36.41	-49.2	-94.6	4	0.29	0	4.7	P
		279.29	-85.61	-36.41	-49.2	-94.6	4	0.29	0	4.7	P
		704.15	-84.02	-34.82	-49.2	-93.21	4	0.49	0	4.7	P
		851.59	-83.5	-34.3	-49.2	-92.77	4	0.57	0	4.7	P
		899.12	-65.05	-15.85	-49.2	-74.31	4	0.56	0	4.7	P
Remark	● No other spurious found. ● All results are PASS against limit line.										

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **Margin** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for conducted spurious emission is shown as below:

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	MIMO	Grounding	Peak
Ant.					Line	Level	Factor	Loss	Factor	Factor	Avg.
2		(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dBi)	(dB)	(dB)	(dB)	(P/A)
802.11a CH 36 5180MHz		5147.78	-33.69	-12.49	-21.2	-38.78	4	1.09	0	0	P
		5149.94	-42.6	-1.4	-41.2	-47.69	4	1.09	0	0	A

1. Path Loss (dB) = Cable loss (dB) + Filter loss (dB) + Attenuator loss (dB)
2. Level (dBm) =

Antenna Factor (dBi) + Path Loss (dB) + Read Level (dBm)

3. Margin (dB) = Level (dBm) – Limit Line (dBm)

For Peak Limit @ 5147.78 MHz:

1. Level (dBm)

= Antenna Factor (dBi) + Path Loss (dB) + Read Level (dBm)

= 4 (dBi) + 1.09 (dB) - 38.78 (dBm)

= -33.69 (dBm)

2. Margin (dB)

= Level (dBm) – Limit Line (dBm)

= -33.69 (dBm) +21.2 (dBm)

= -12.49 (dB)

For Average Limit @ 5149.94 MHz:

1. Level (dBm)

= Antenna Factor (dBi) + Path Loss (dB) + Read Level (dBm)

= 4 (dBi) + 1.09 (dB) - 47.69 (dBm)

= -42.6 (dBm)

2. Margin (dB)

= Level (dBm) – Limit Line (dBm)

= -42.6 (dBm) + 41.2 (dBm)

= -1.4 (dB)

Both peak and average measured complies with the limit line, so test result is "PASS".

Appendix D. Conducted Spurious Emission Plots

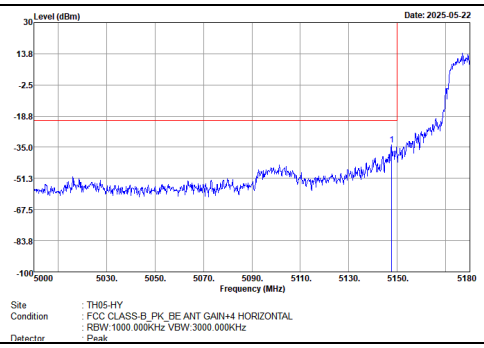
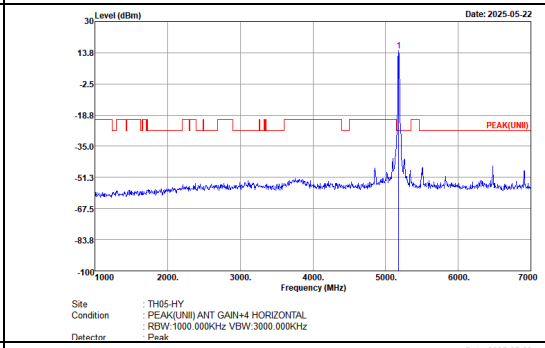
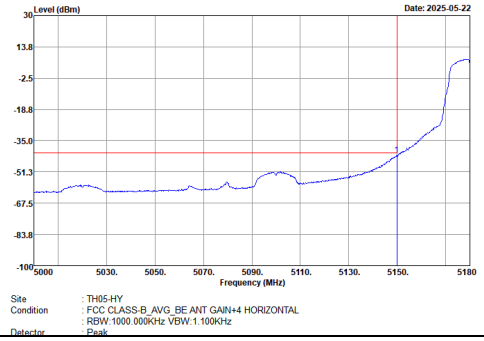
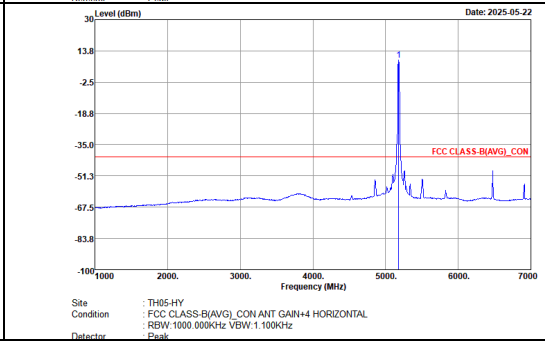
Test Engineer :	Kai Liao	**Temperature :**	22.3~24.9°C
		Relative Humidity :	52.5~72.4%

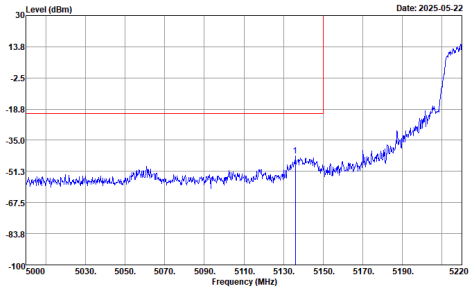
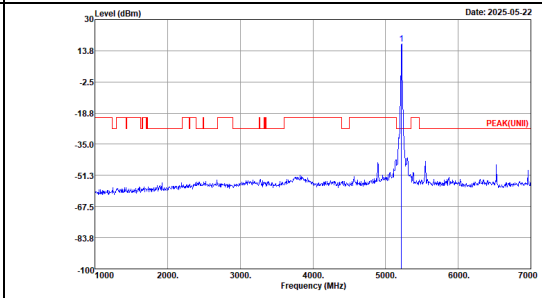
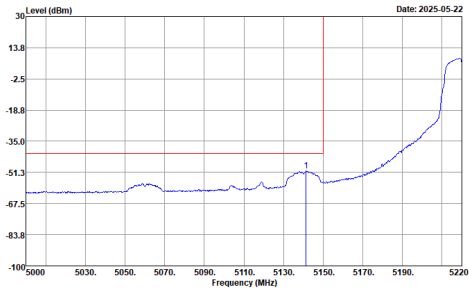
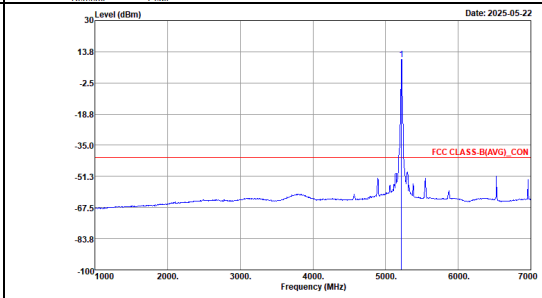
Note symbol

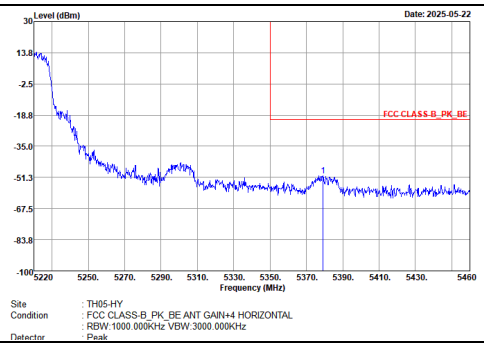
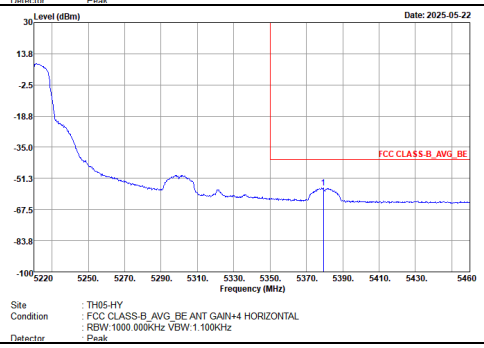
-L	**Low channel location**
-R	**High channel location**

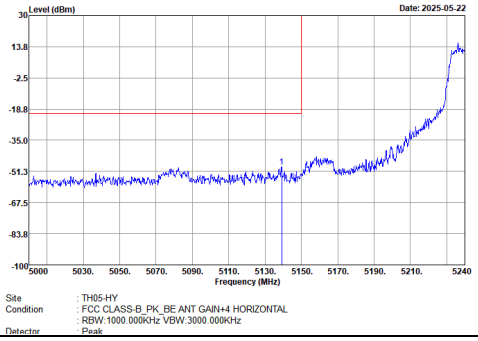
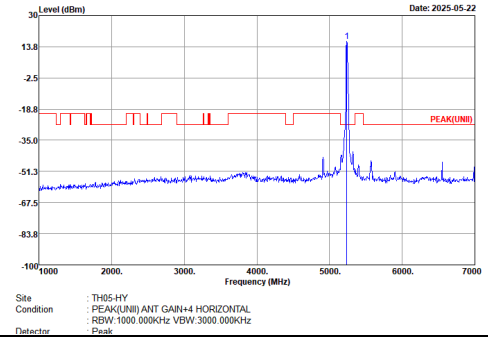
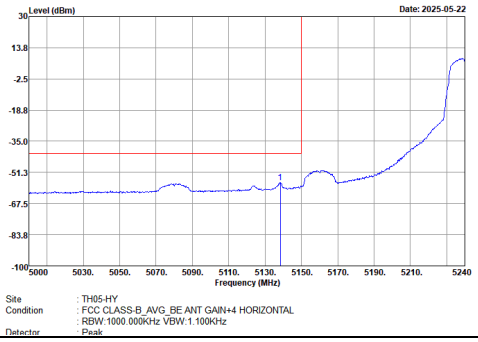
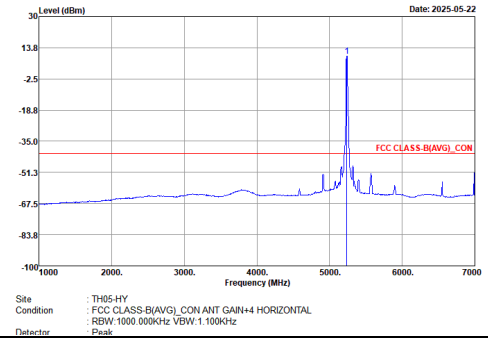
Band 1 - 5150~5250MHz

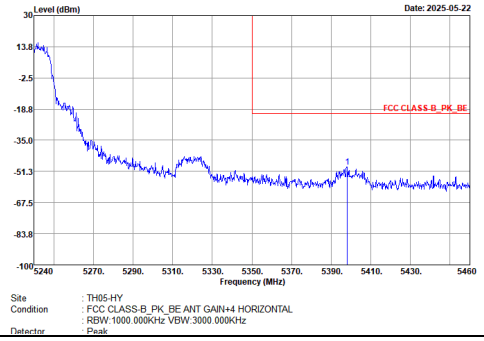
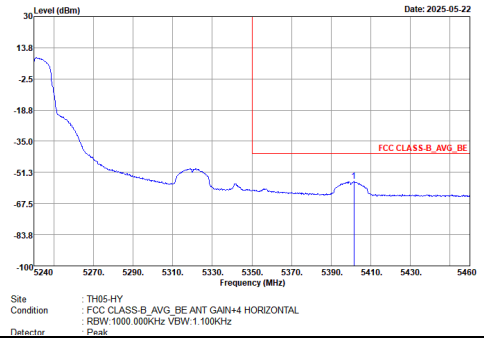
WIFI 802.11a (Band Edge)

WIFI	Band 1 5150~5250MHz	
Ant.	802.11a CH36 5180MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

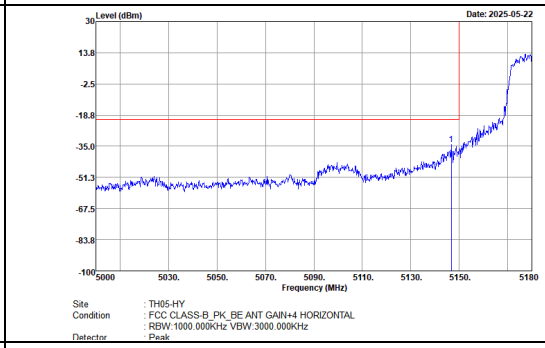
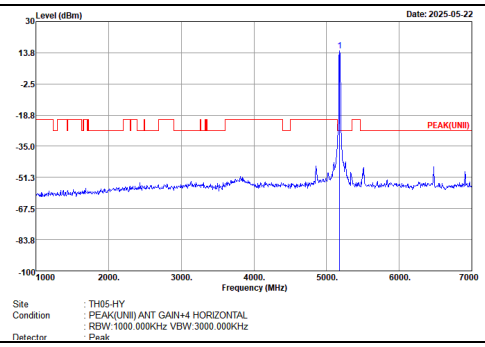
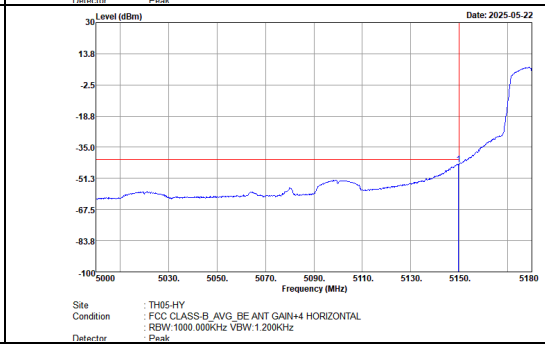
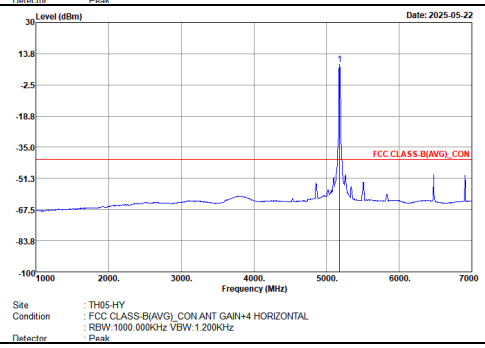
WIFI	Band 1 5150~5250MHz	
ANT	802.11a CH44 5220MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

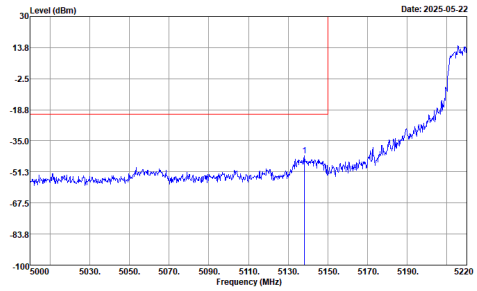
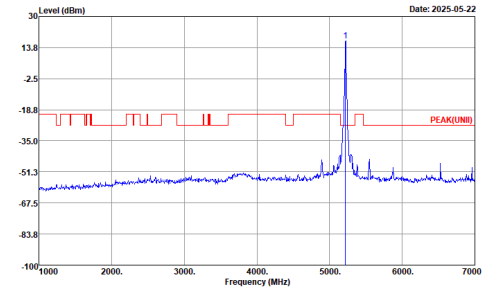
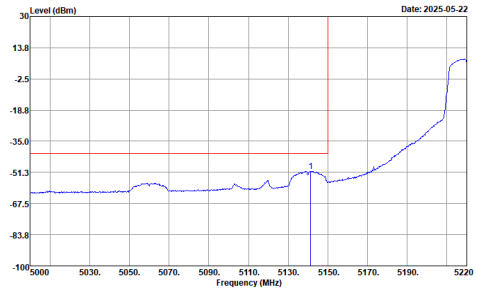
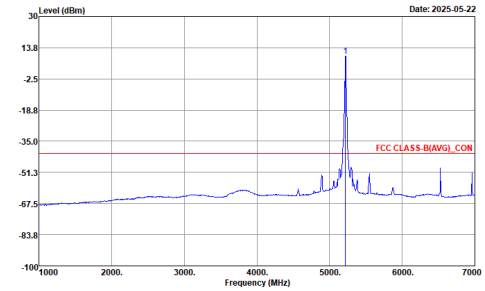
WIFI	Band 1 5150~5250MHz	
ANT	802.11a CH44 5220MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

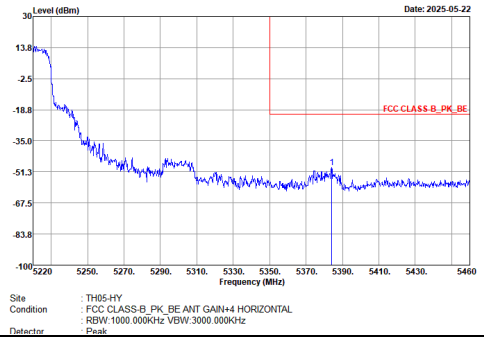
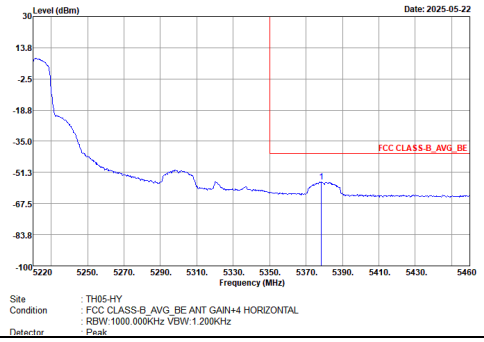
WIFI	Band 1 5150~5250MHz	
ANT	802.11a CH48 5240MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

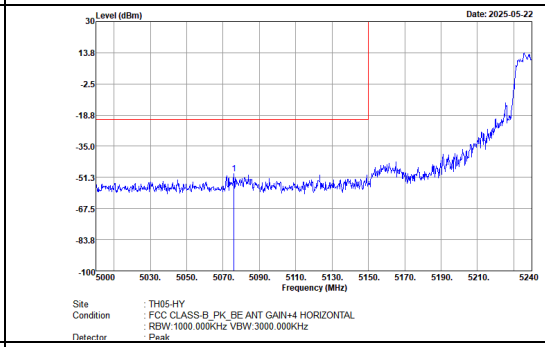
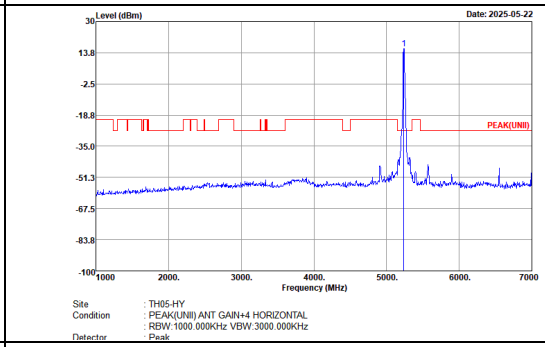
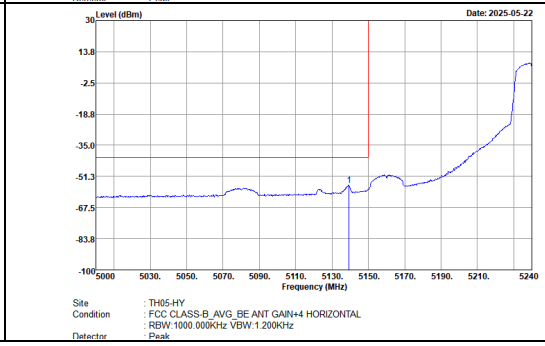
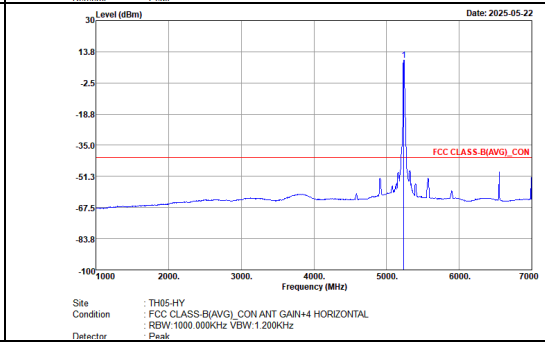
WIFI	Band 1 5150~5250MHz	
ANT	802.11a CH48 5240MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

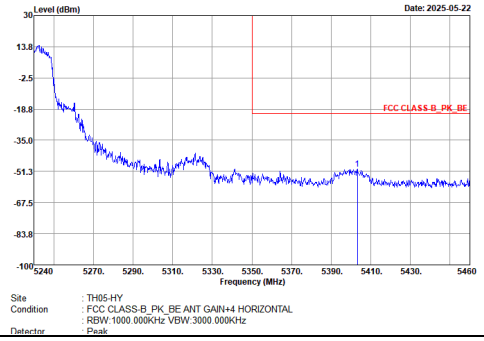
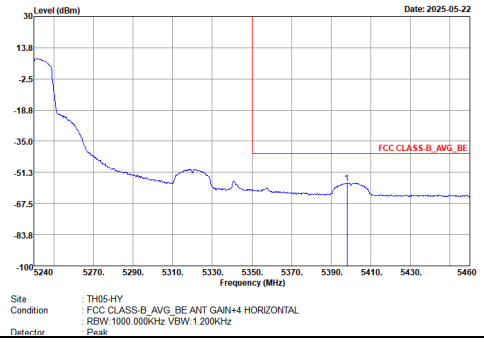
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge)

WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH36 5180MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

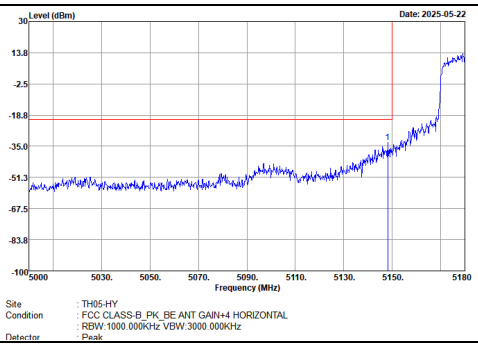
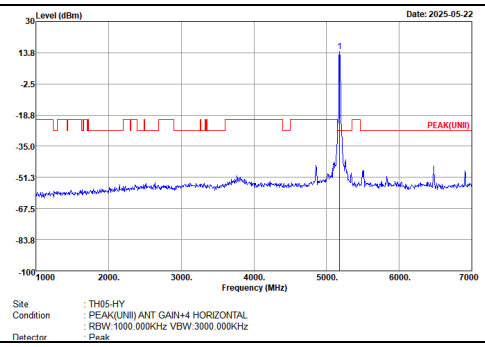
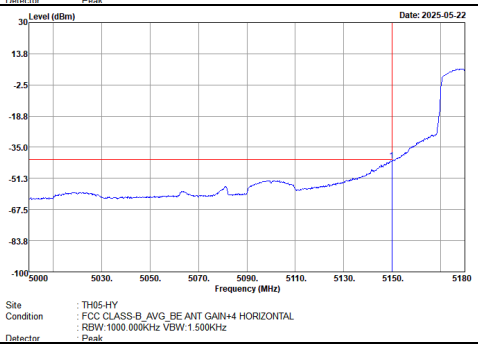
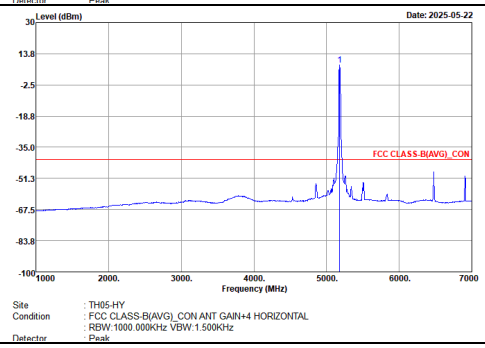
WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

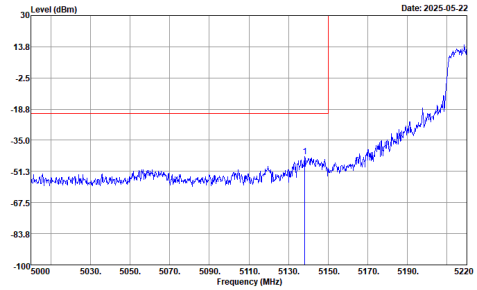
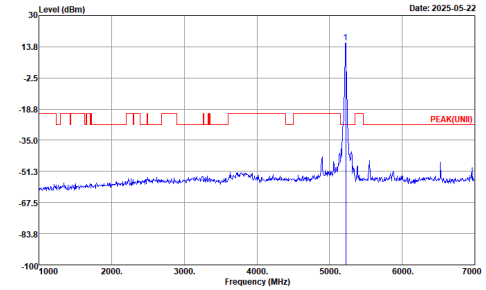
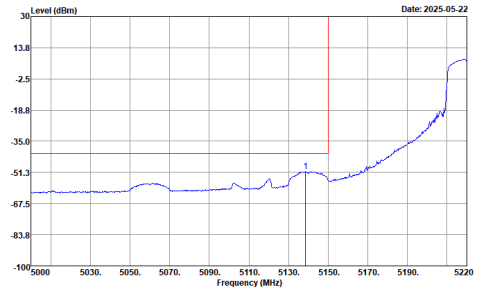
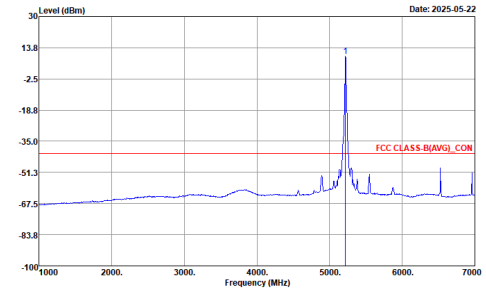
WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH44 5220MHz – R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

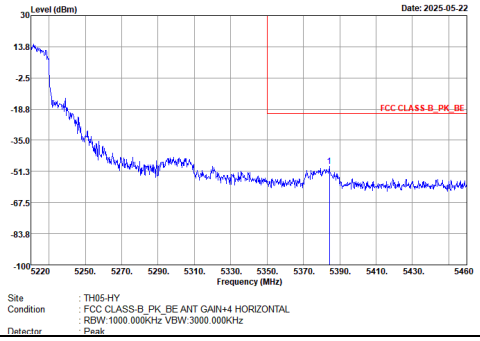
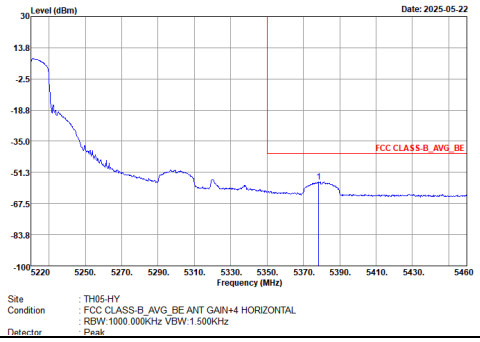
WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

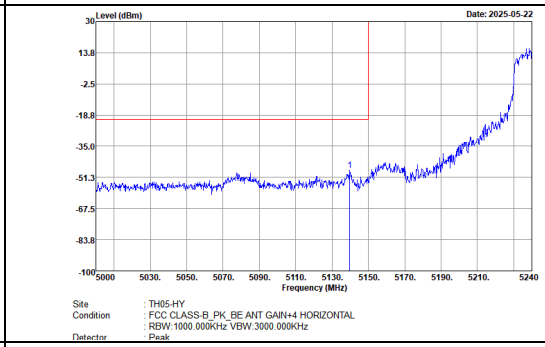
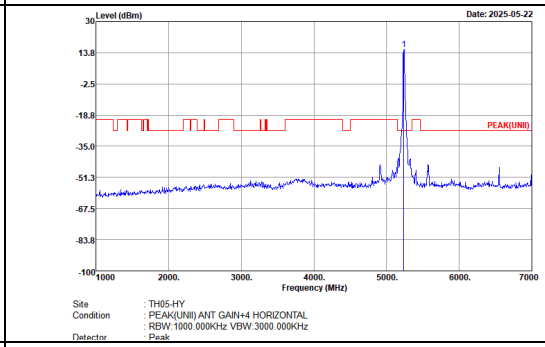
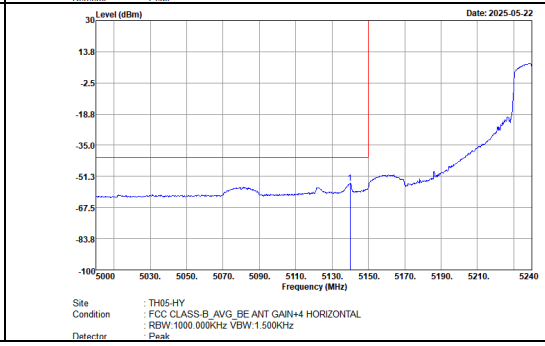
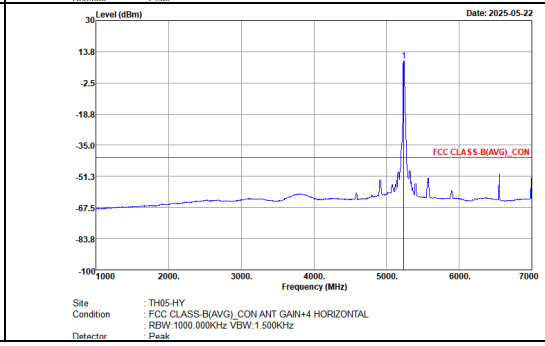
WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

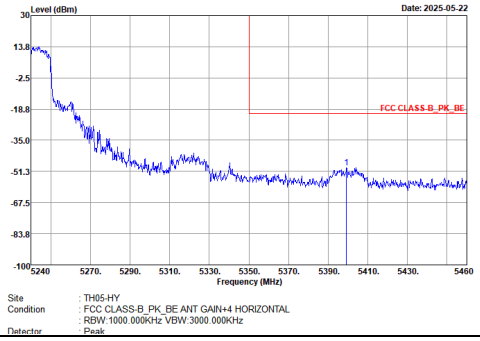
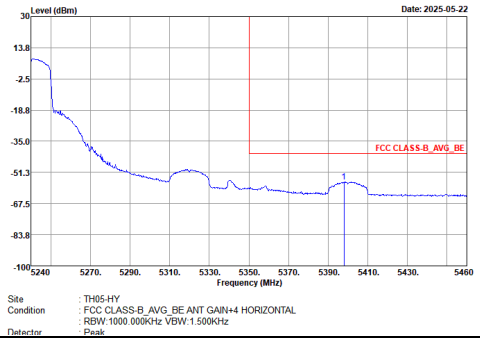
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge)

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH36 5180MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

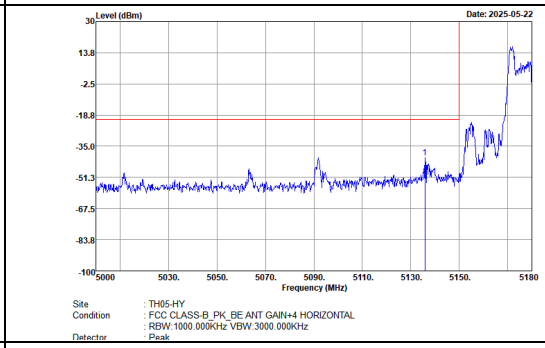
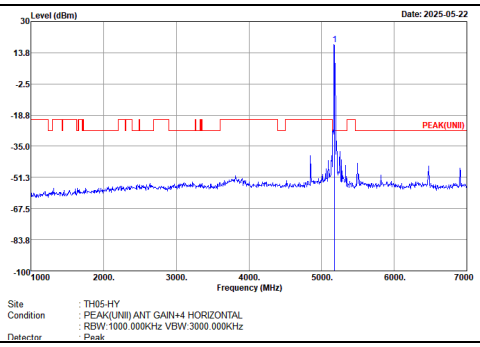
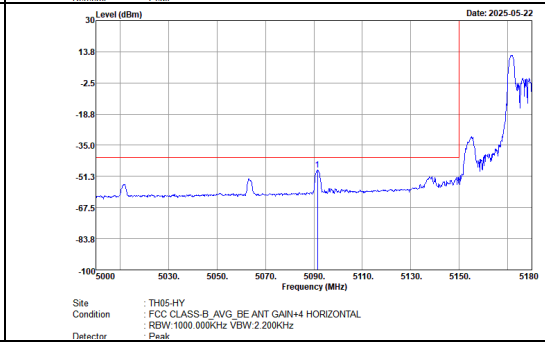
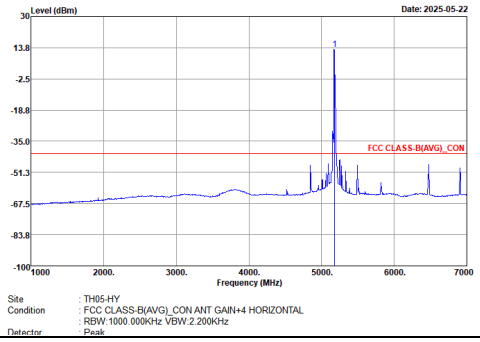
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

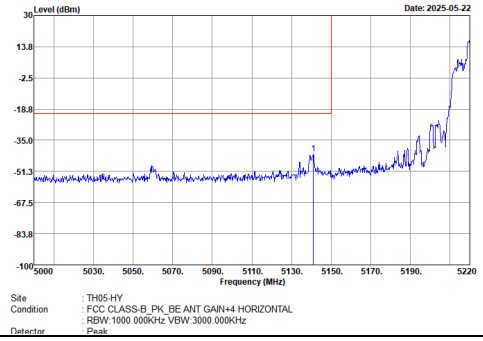
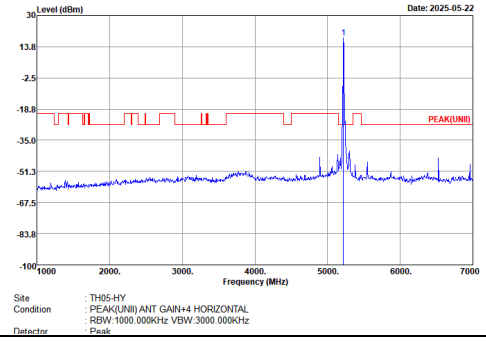
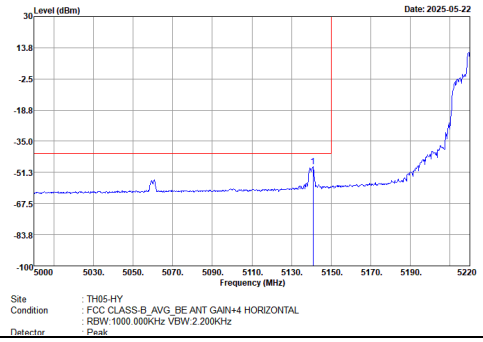
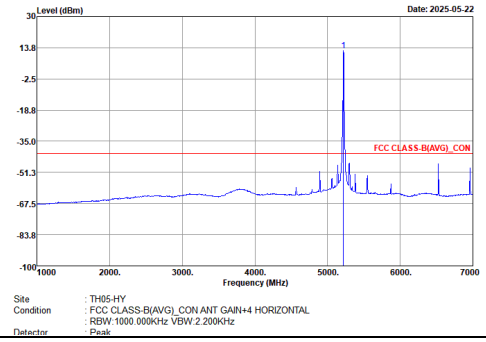
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

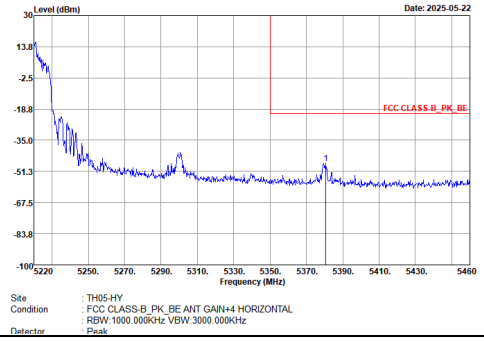
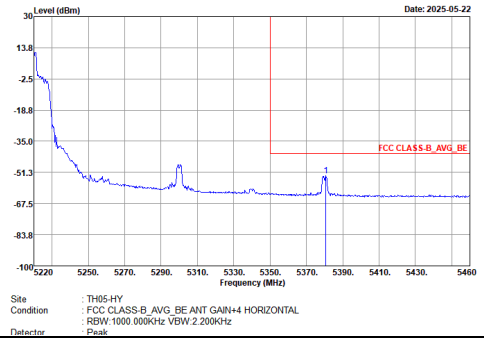
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

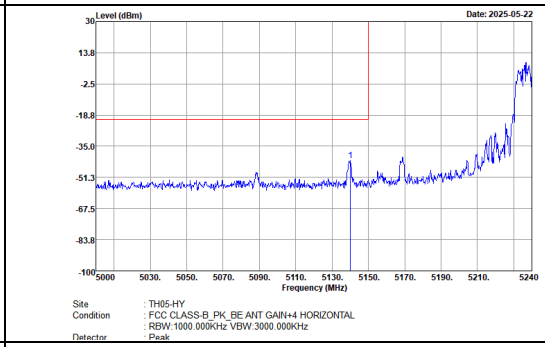
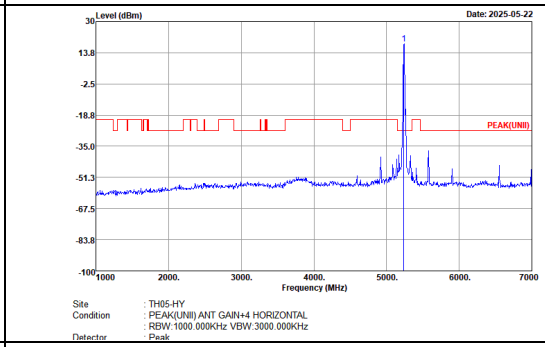
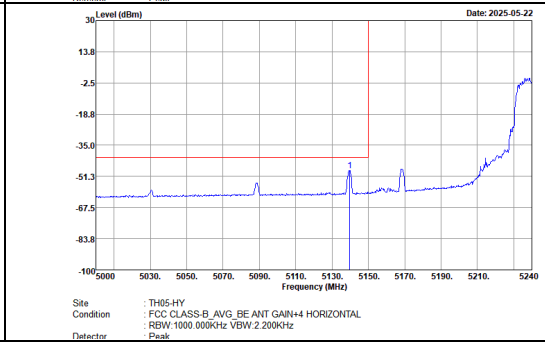
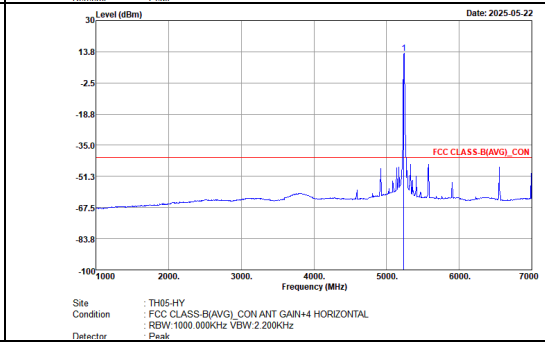
Band 1 5150~5250MHz

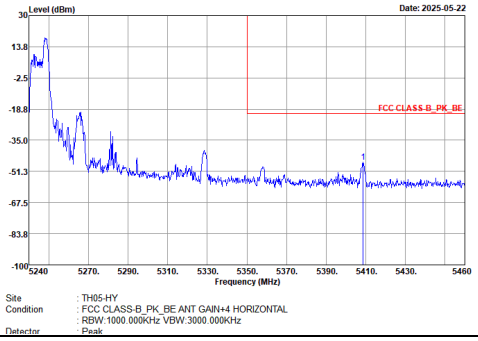
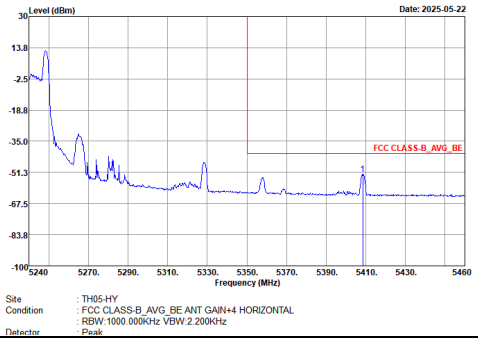
WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/4 CH44 5220MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

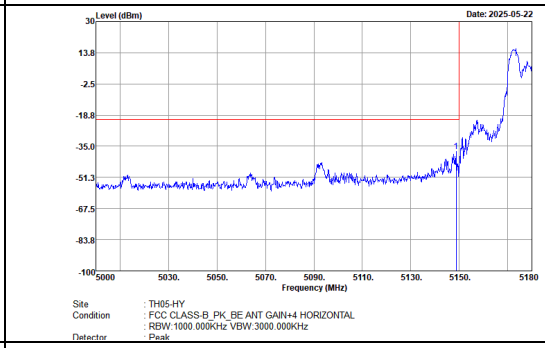
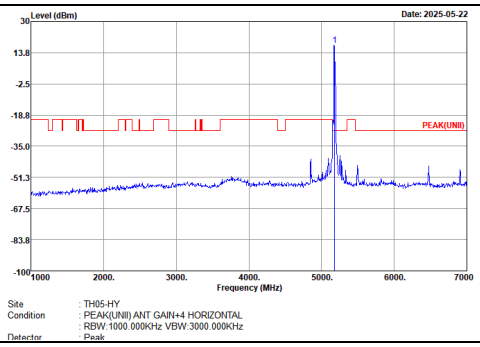
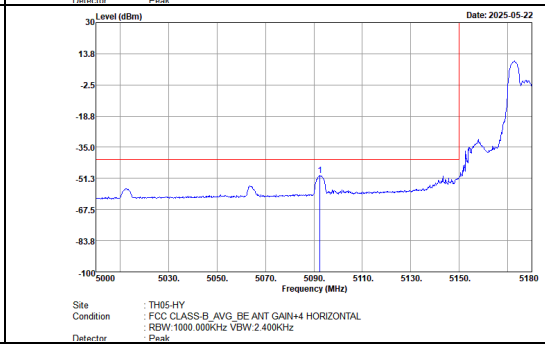
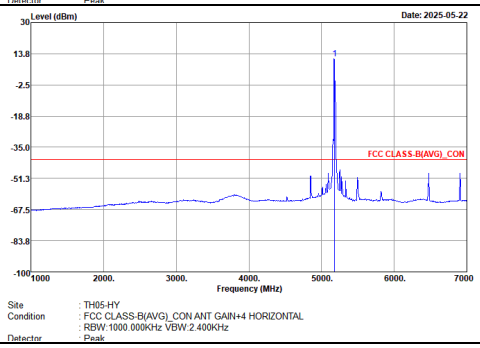
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/4 CH44 5220MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

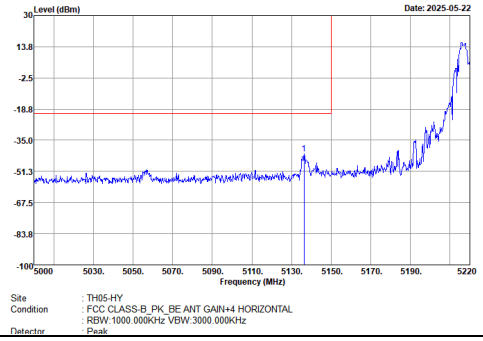
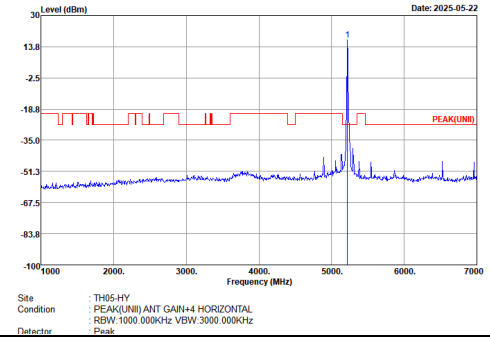
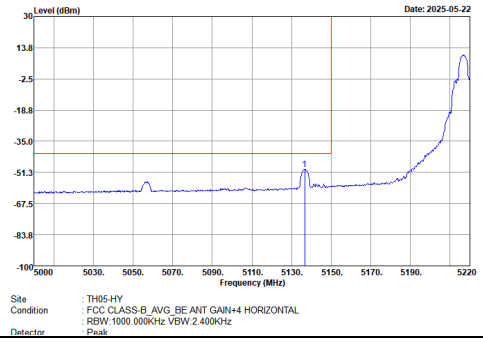
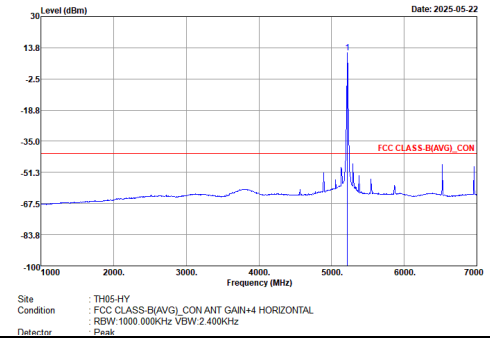
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

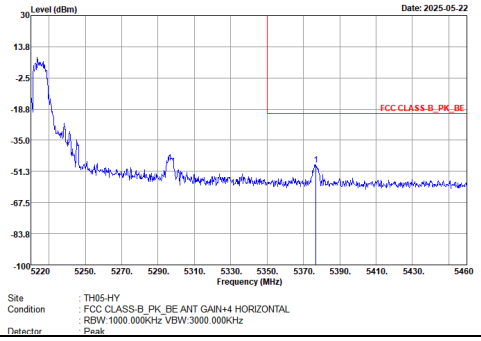
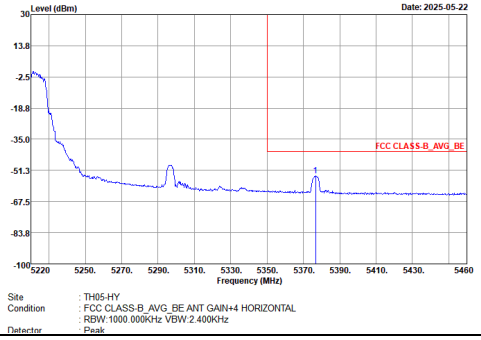
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

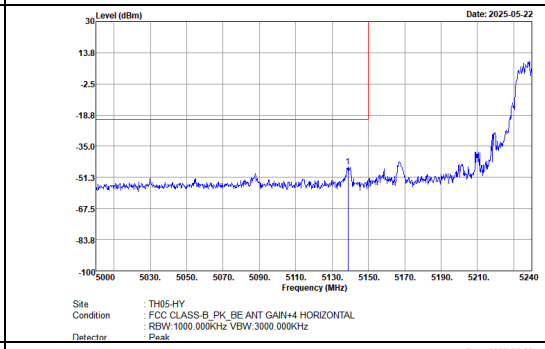
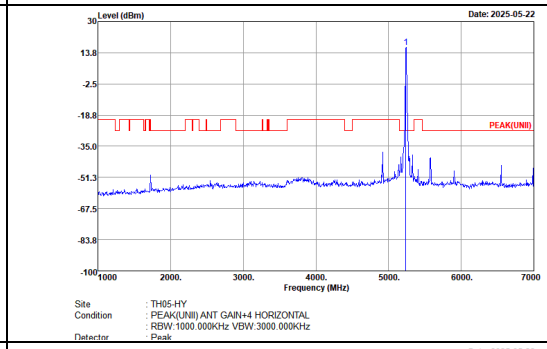
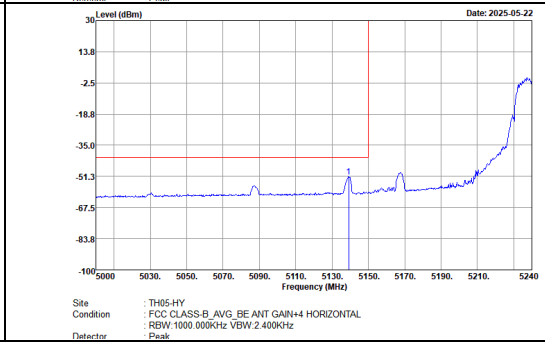
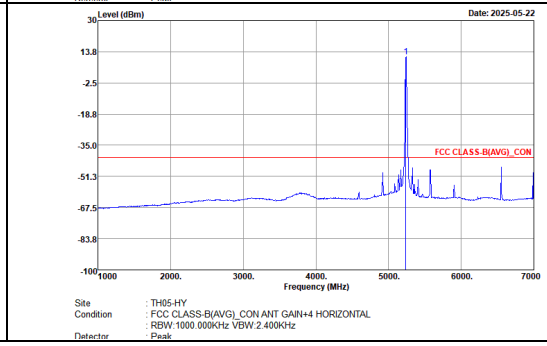
Band 1 5150~5250MHz

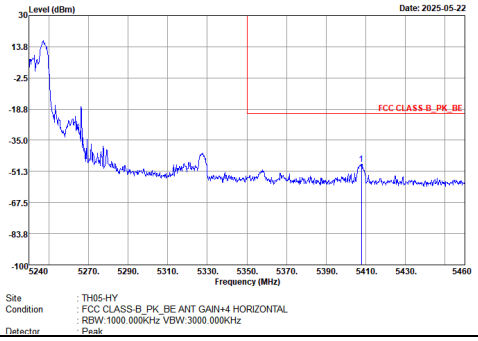
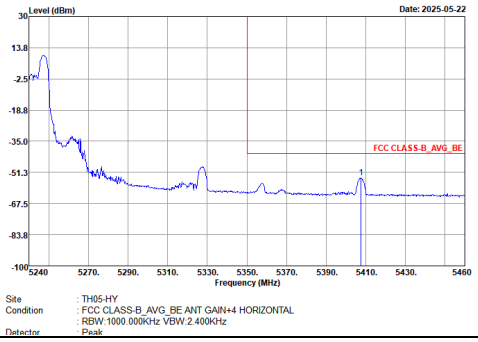
WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/37 CH36 5180MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/38 CH44 5220MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

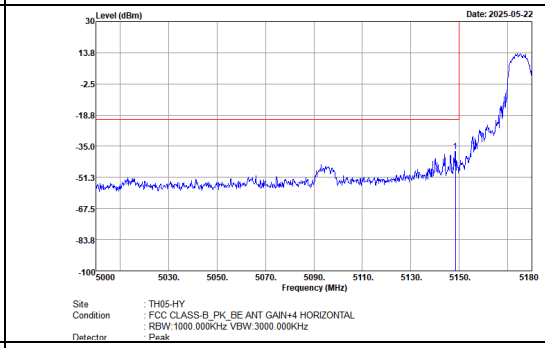
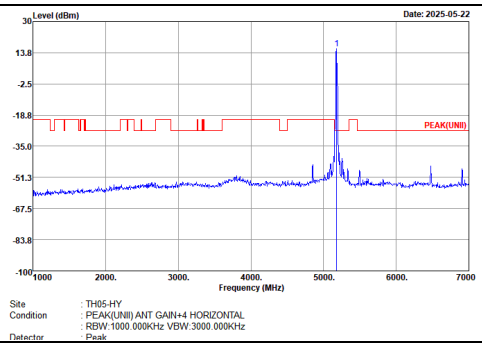
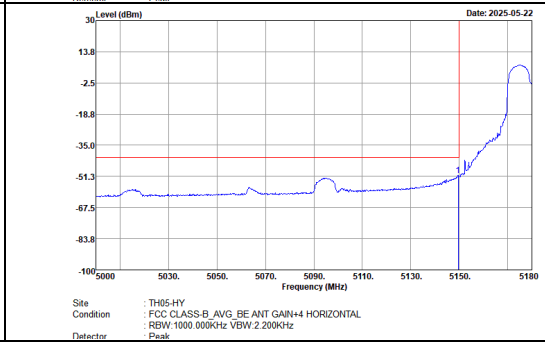
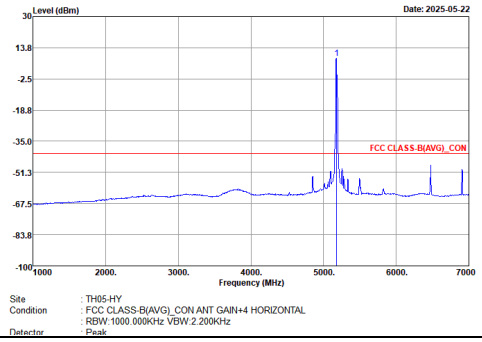
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/38 CH44 5220MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

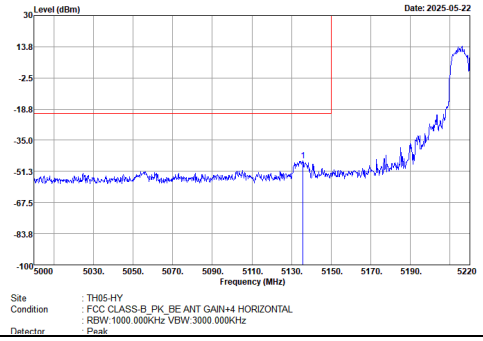
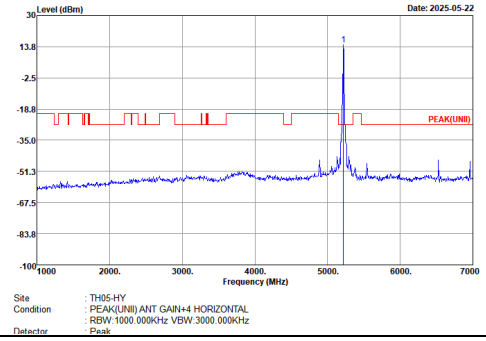
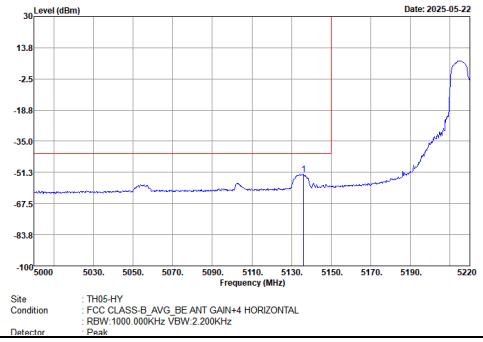
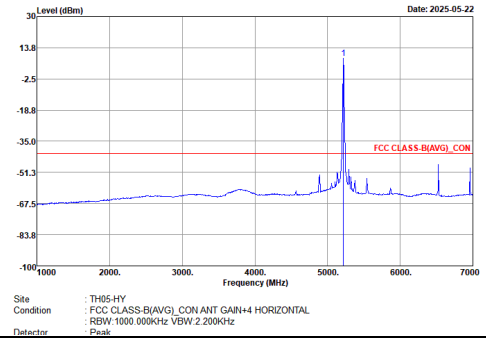
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/40 CH48 5240MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

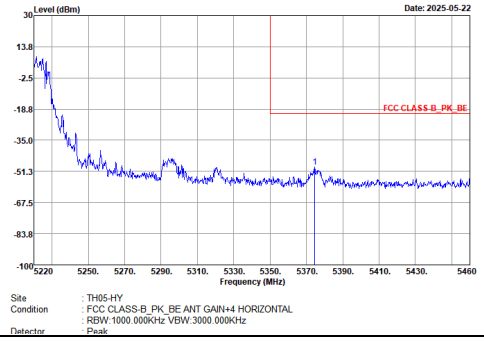
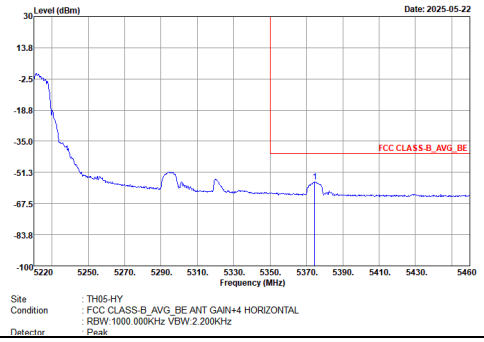
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/38 CH48 5240MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

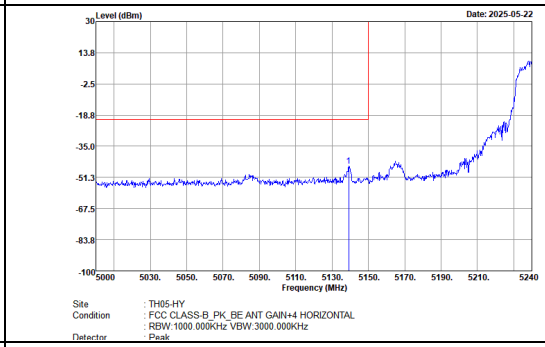
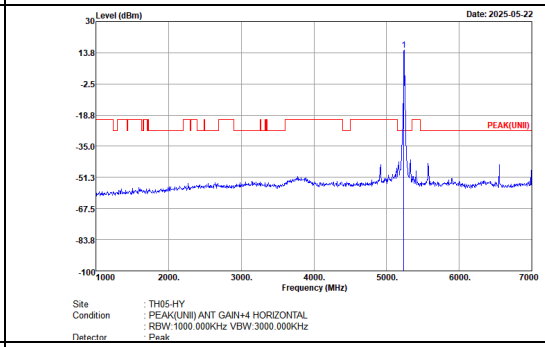
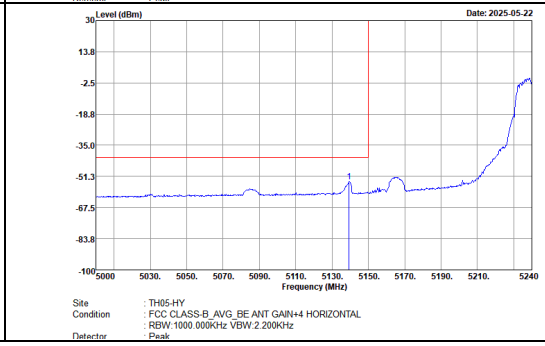
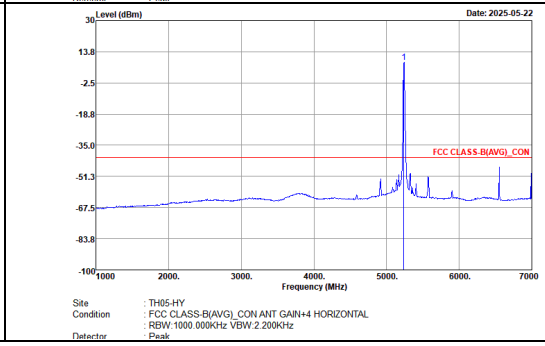
Band 1 5150~5250MHz

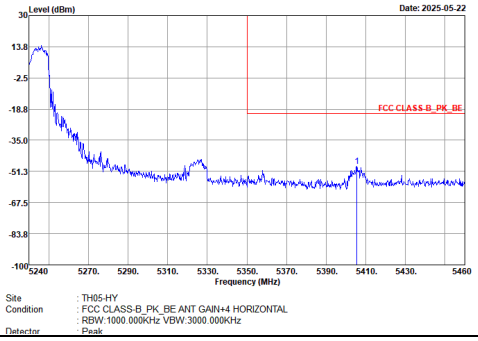
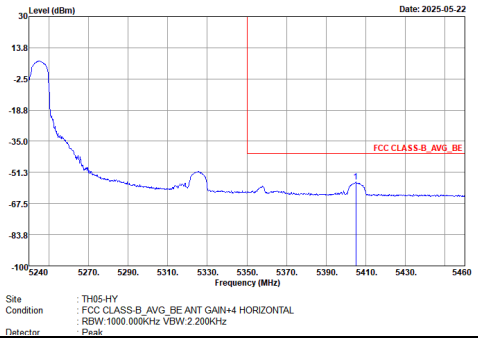
WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/53 CH44 5220MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

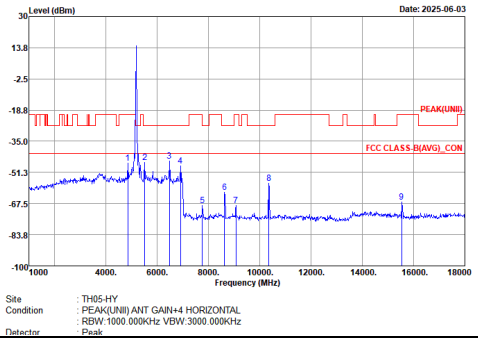
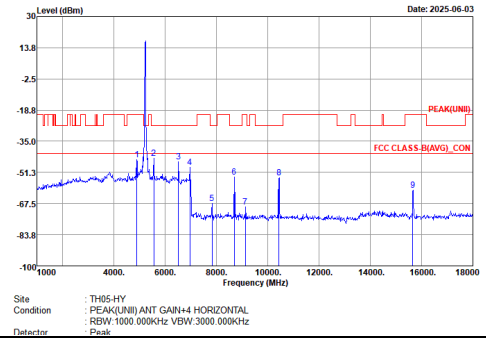
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/53 CH44 5220MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

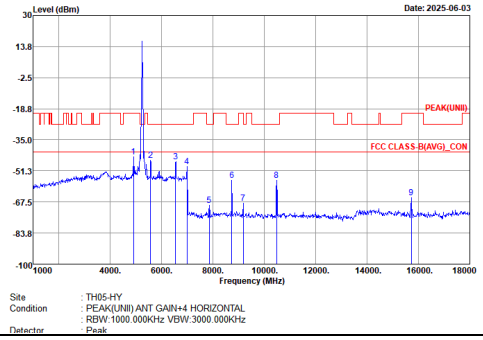
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

Band 1 - 5150~5250MHz

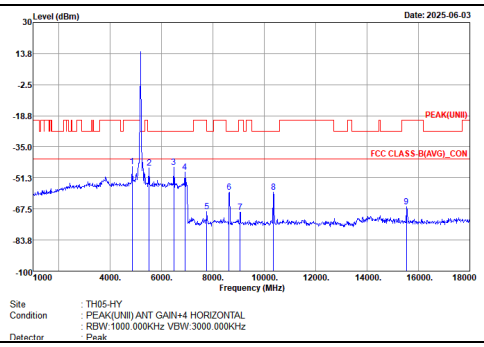
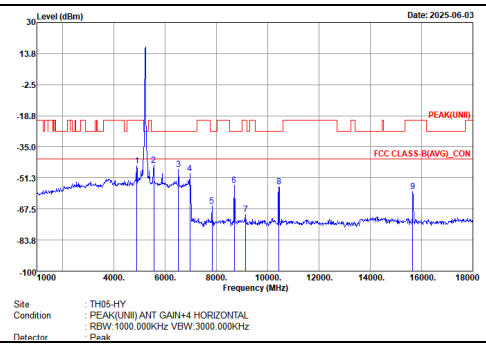
WIFI 802.11a (Harmonic)

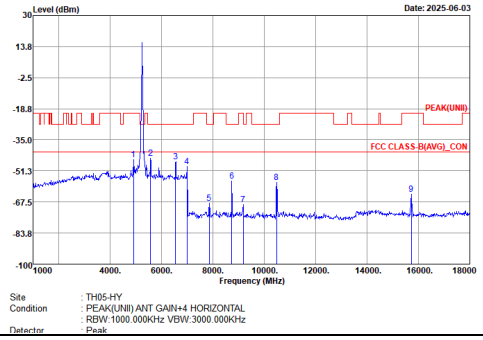
WIFI	Band 1 5150~5250MHz	
ANT	802.11a CH36 5180MHz	802.11a CH44 5220MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11a CH48 5240MHz	
1	Harmonic	
Peak Avg.		

Band 1 5150~5250MHz

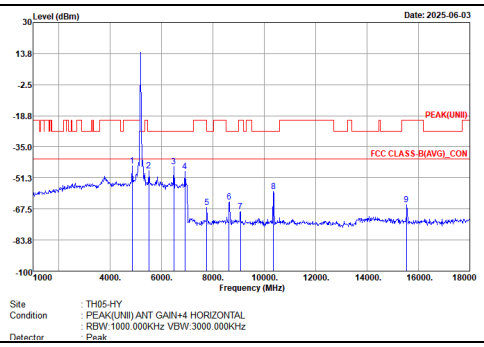
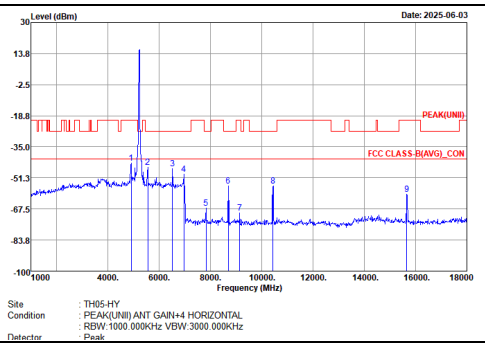
WIFI 802.11n HT20 (Harmonic)

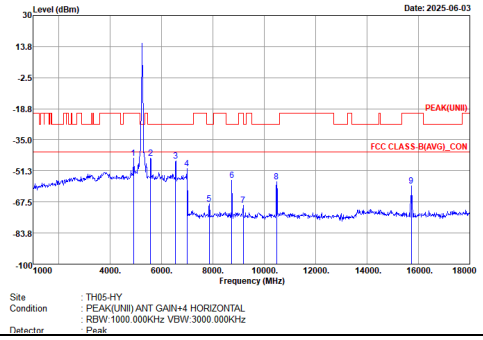
WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH36 5180MHz	802.11n HT20 CH44 5220MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11n HT20 CH48 5240MHz	
1	Harmonic	
Peak Avg.		

Band 1 - 5150~5250MHz

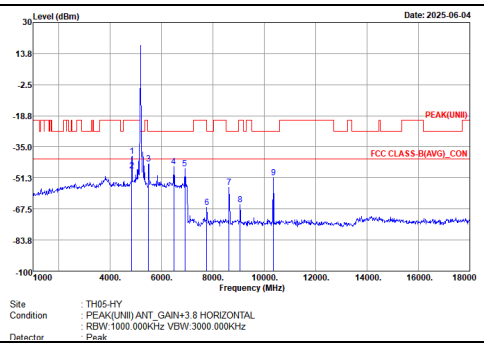
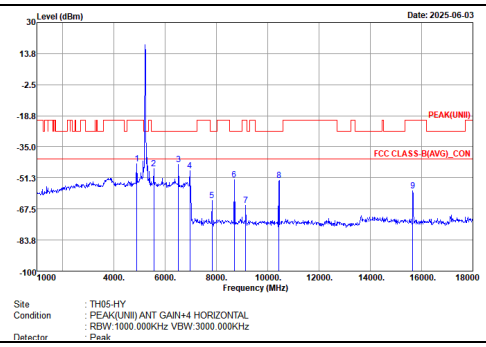
WIFI 802.11ax HE20 Full (Harmonic)

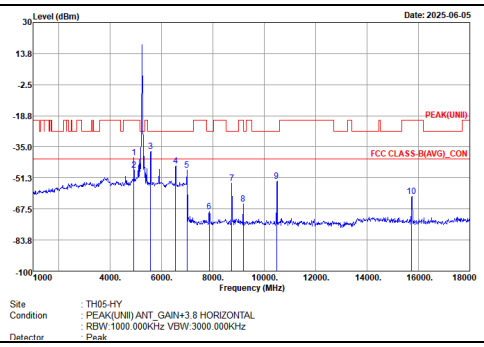
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH36 5180MHz	802.11ax HE20 Full CH44 5220MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Full CH48 5240MHz	
1	Harmonic	
Peak Avg.		

Band 1 5150~5250MHz

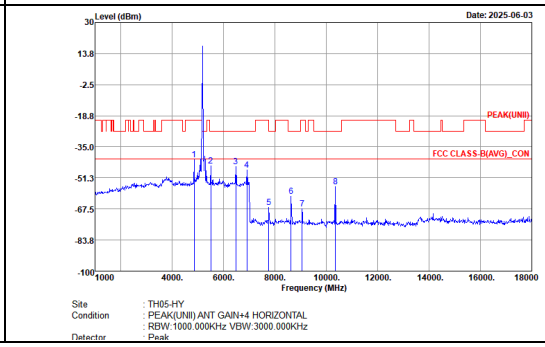
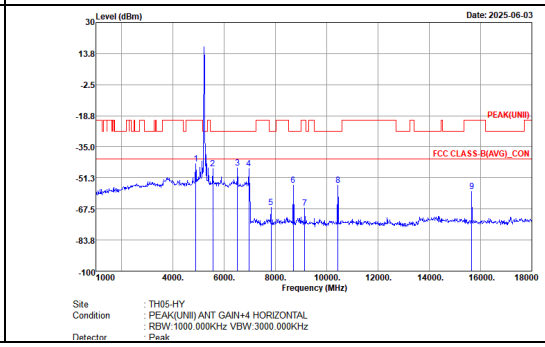
WIFI 802.11ax HE20 Partial 26 (Harmonic)

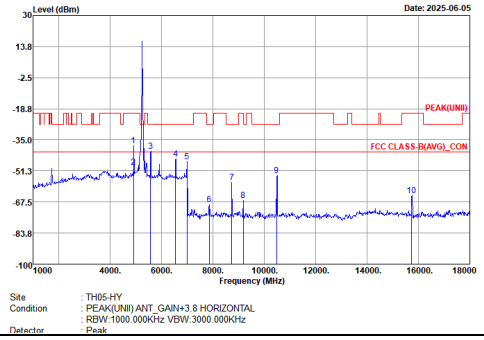
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/0 CH36 5180MHz	802.11ax HE20 Partial 26/4 CH44 5220MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 26/8 CH48 5240MHz	
1	Harmonic	
Peak Avg.		

Band 1 5150~5250MHz

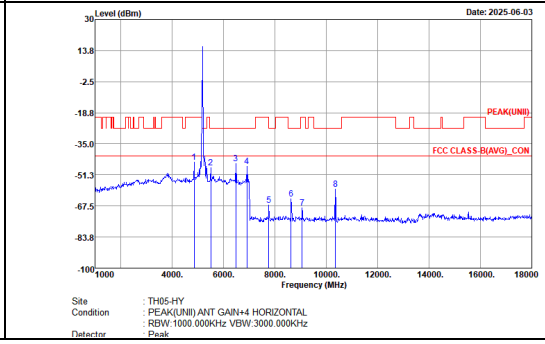
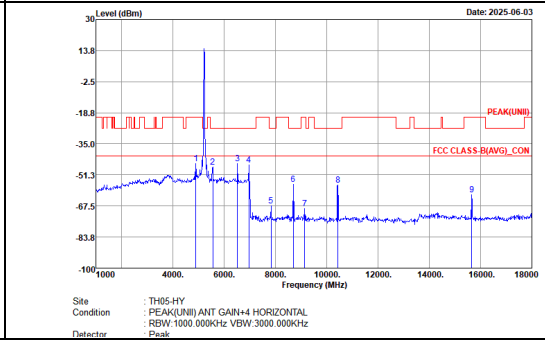
WIFI 802.11ax HE20 Partial 52 (Harmonic)

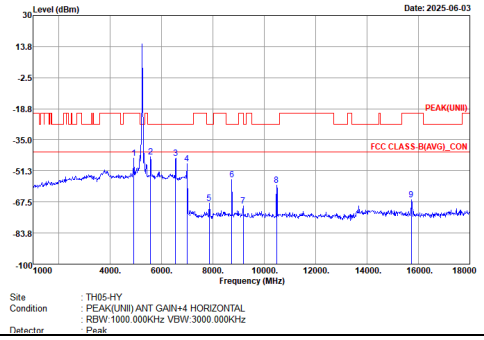
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/37 CH36 5180MHz	802.11ax HE20 Partial 52/38 CH44 5220MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 52/40 CH48 5240MHz	
1	Harmonic	
Peak Avg.		

Band 1 5150~5250MHz

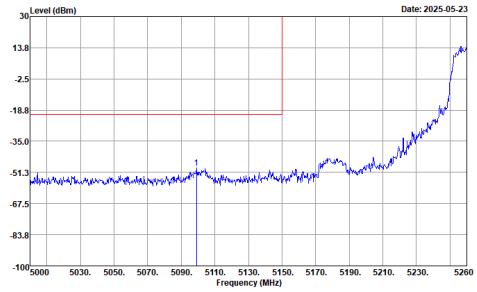
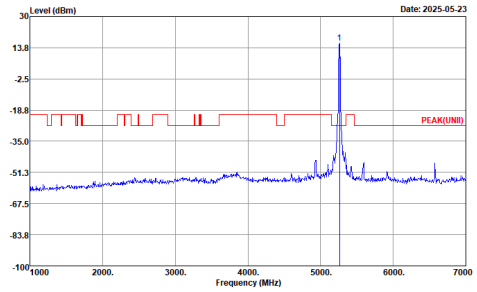
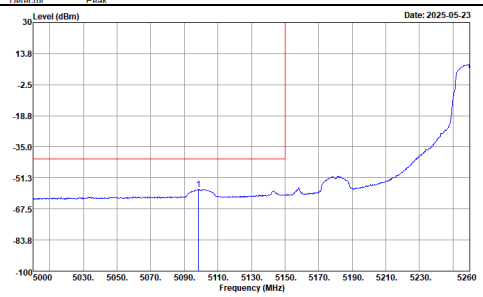
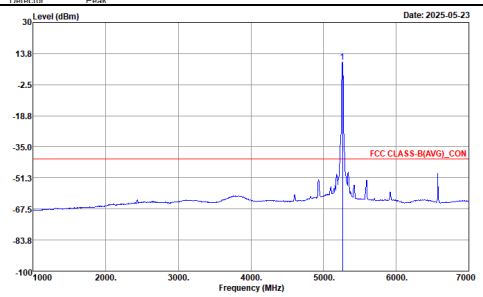
WIFI 802.11ax HE20 Partial 106 (Harmonic)

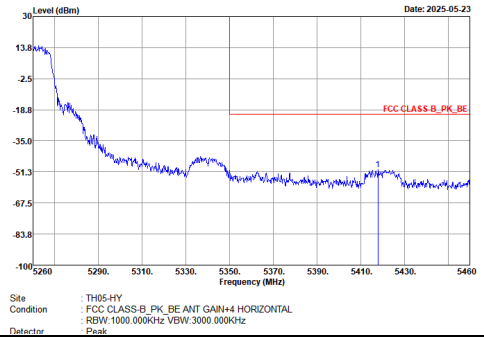
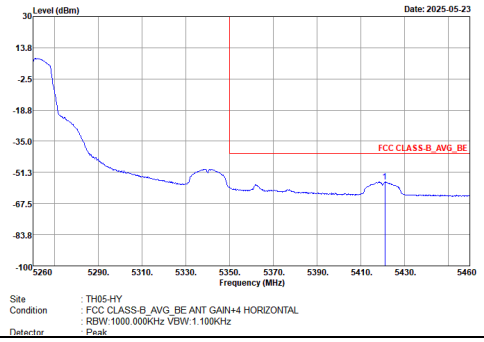
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	802.11ax HE20 Partial 106/53 CH44 5220MHz
1	Harmonic	Harmonic
Peak Avg.		

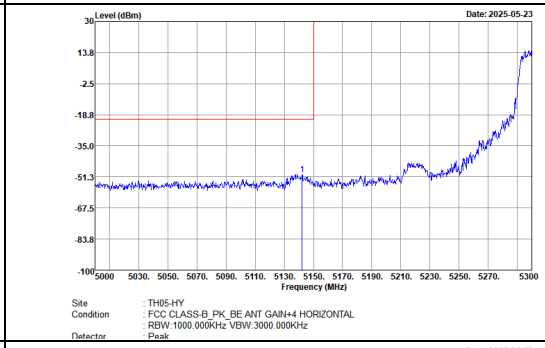
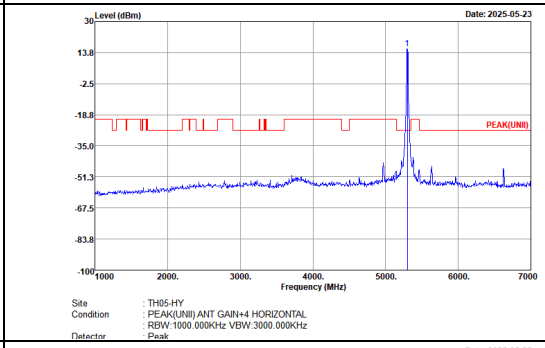
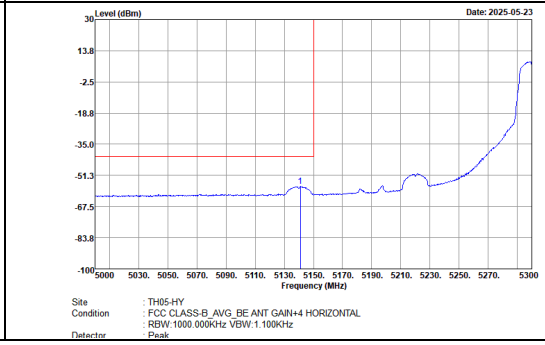
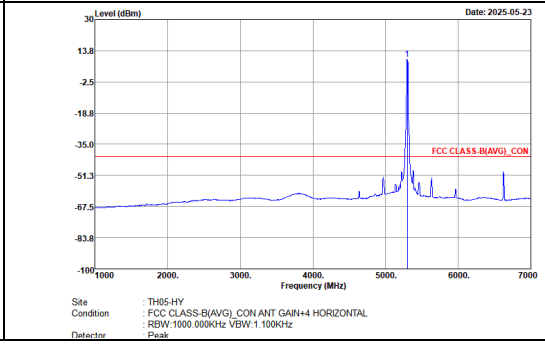
WIFI	Band 1 5150~5250MHz	
ANT	802.11ax HE20 Partial 106/54 CH48 5240MHz	
1	Harmonic	
Peak Avg.		

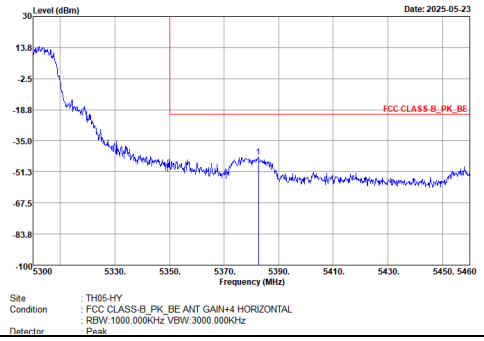
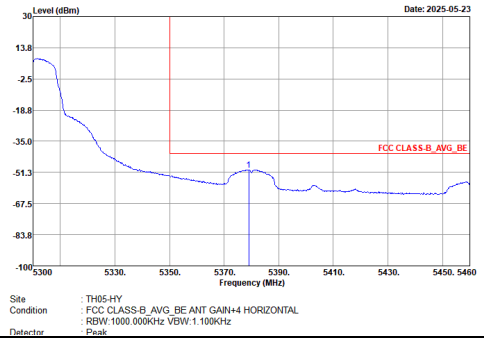
Band 2 - 5250~5350MHz

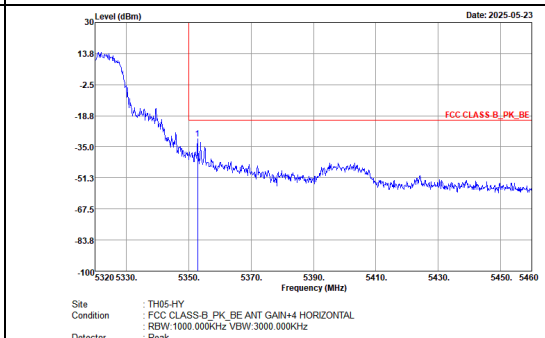
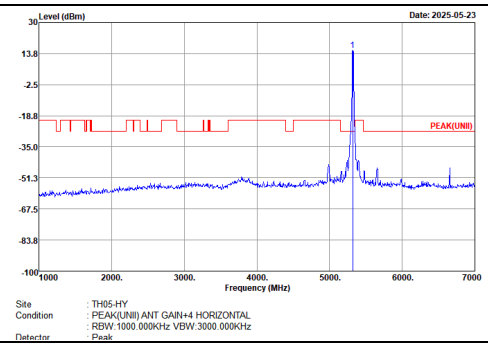
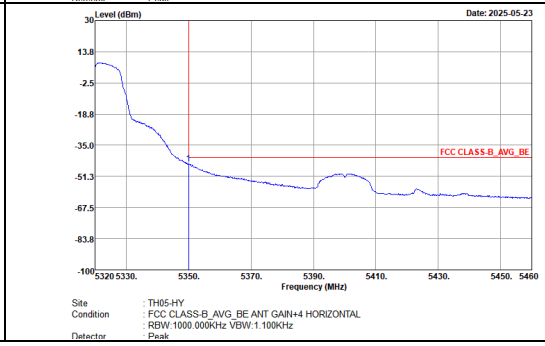
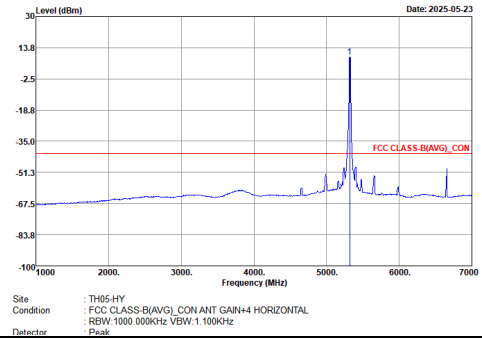
WIFI 802.11a (Band Edge)

WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH52 5260MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

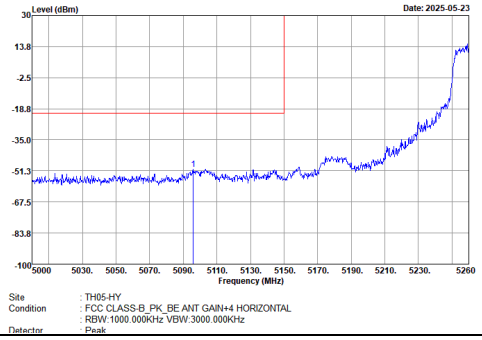
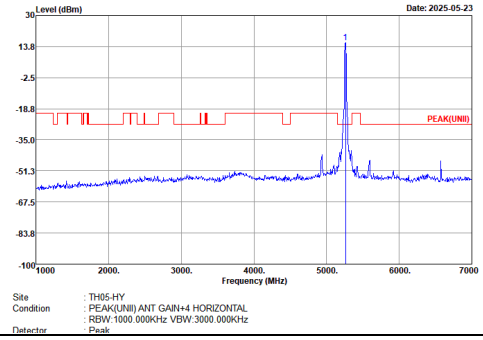
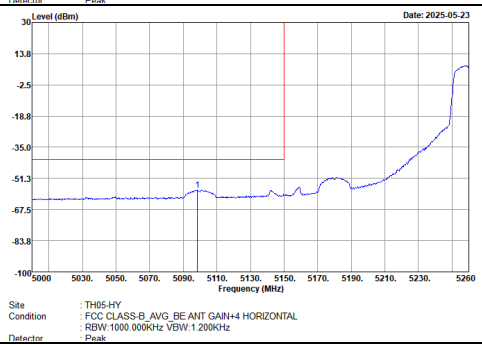
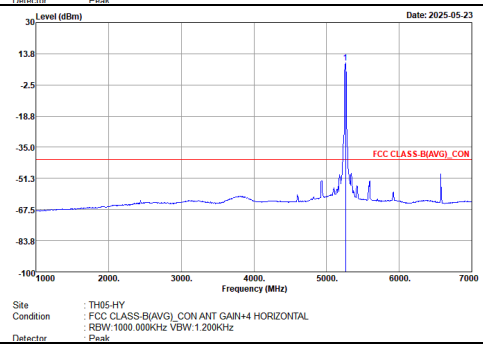
WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH52 5260MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

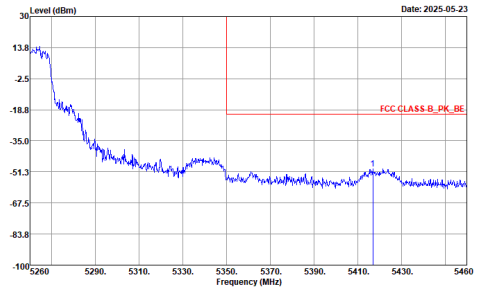
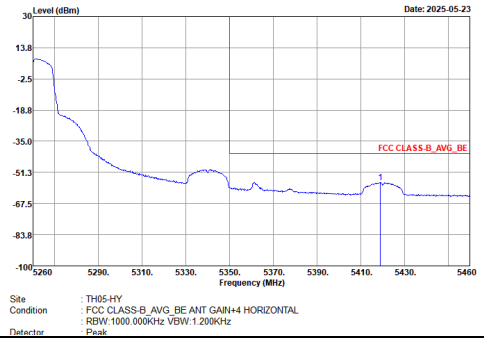
WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH60 5300MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

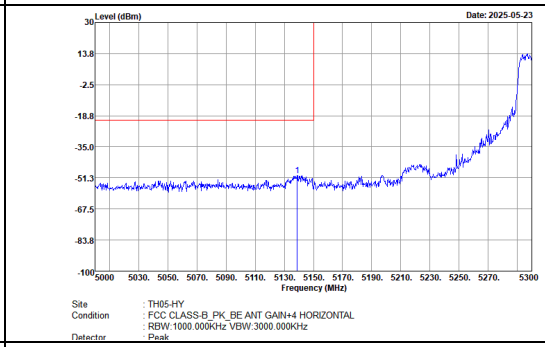
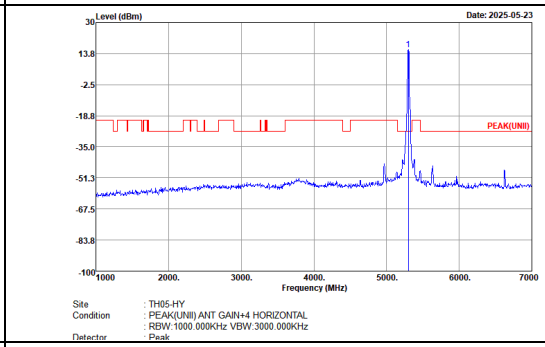
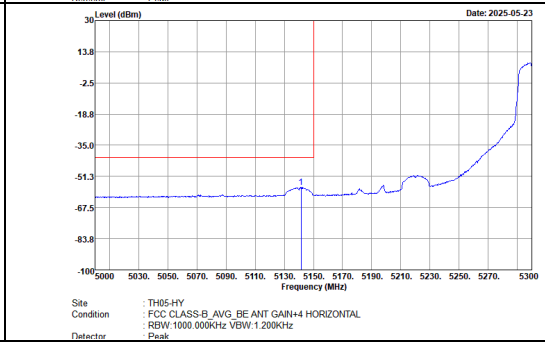
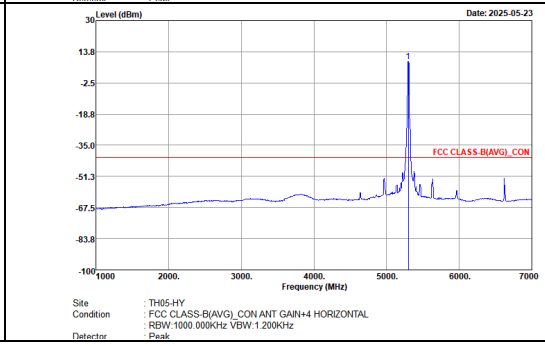
WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH60 5300MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

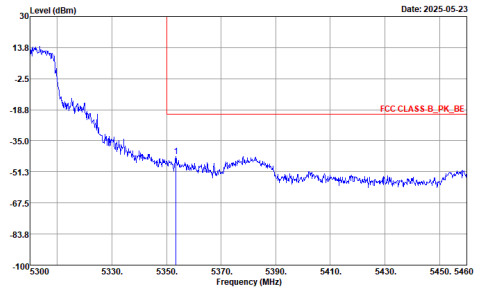
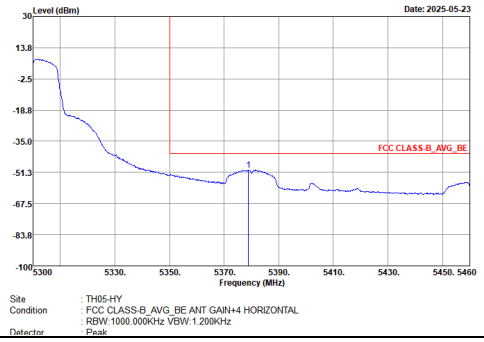
WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH64 5320MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

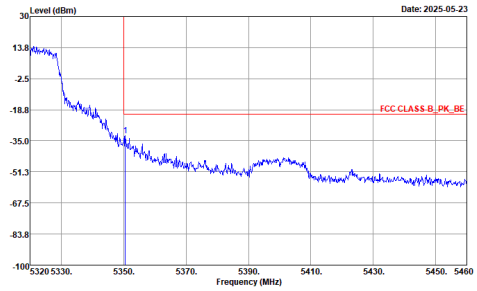
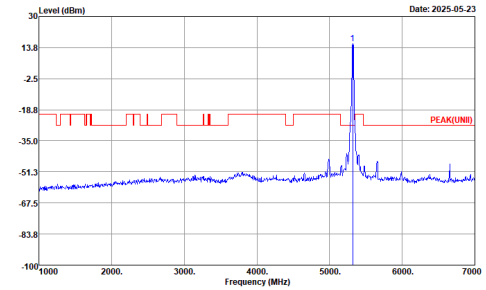
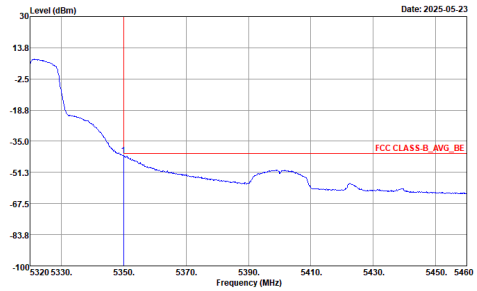
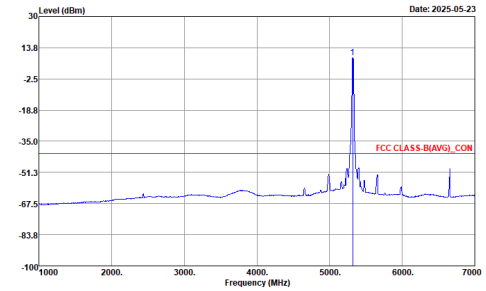
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge)

WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

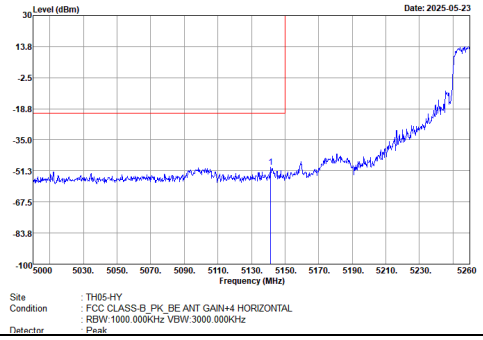
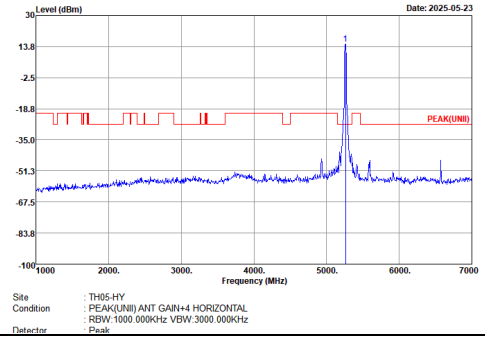
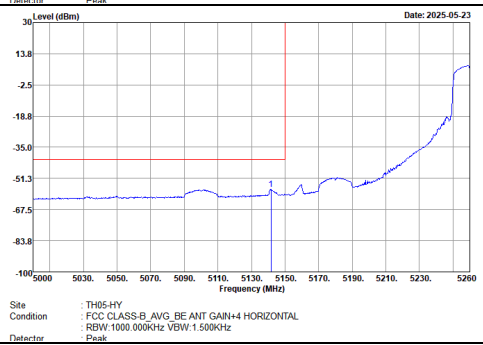
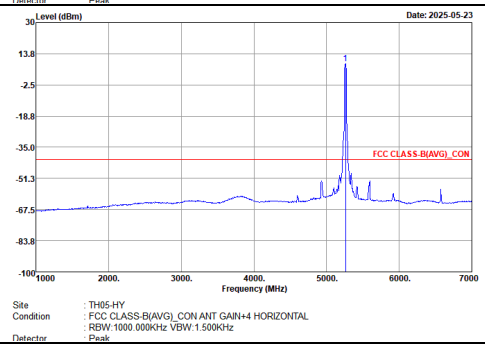
WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

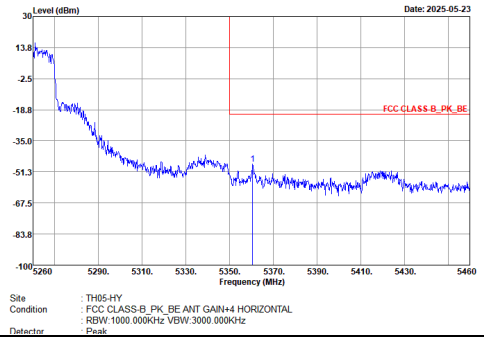
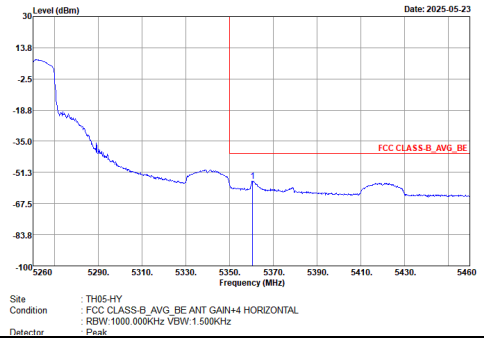
WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Band Edge	Delet
Peak		Left Blank
Avg.		Left Blank

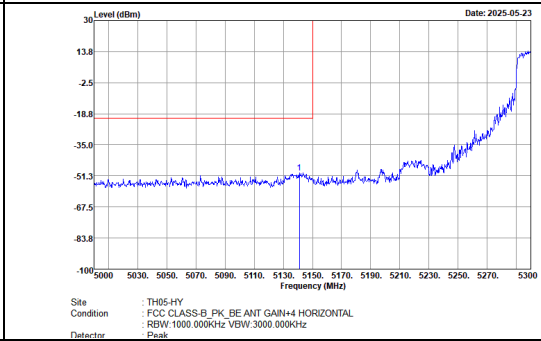
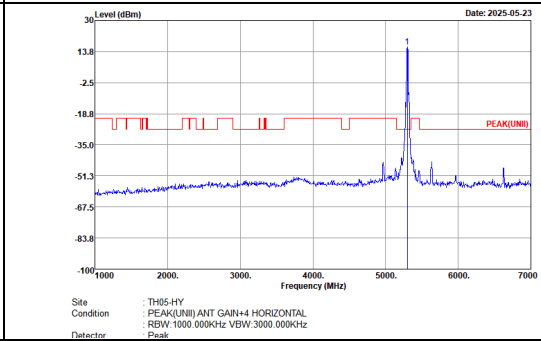
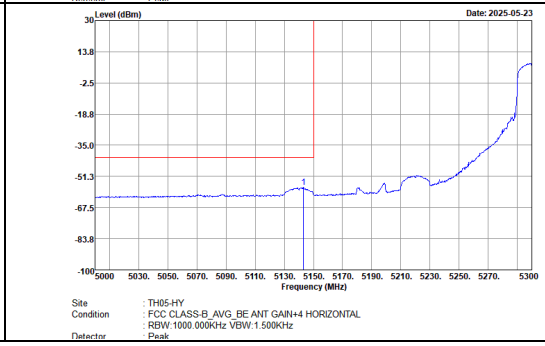
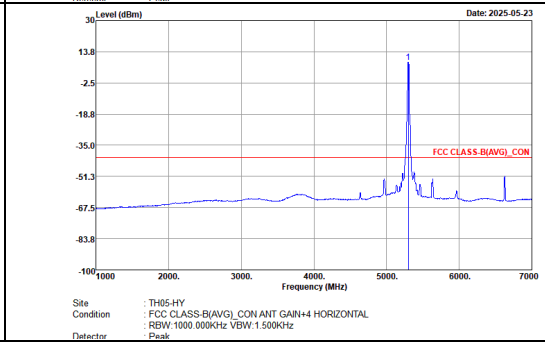
WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH64 5320MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

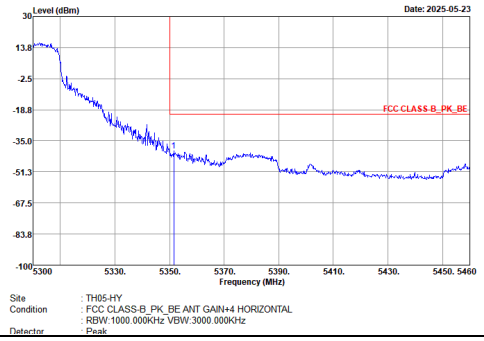
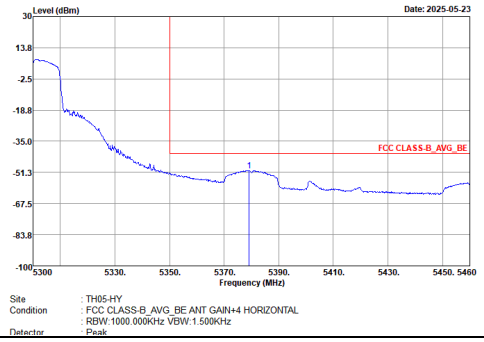
Band 2 - 5250~5350MHz

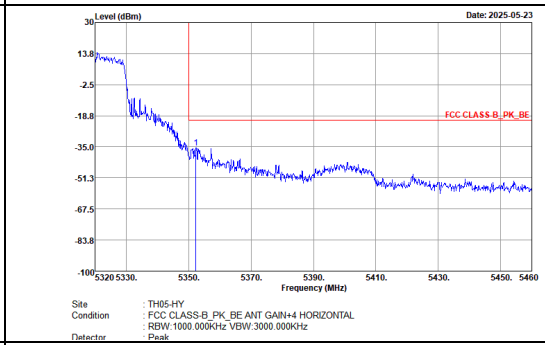
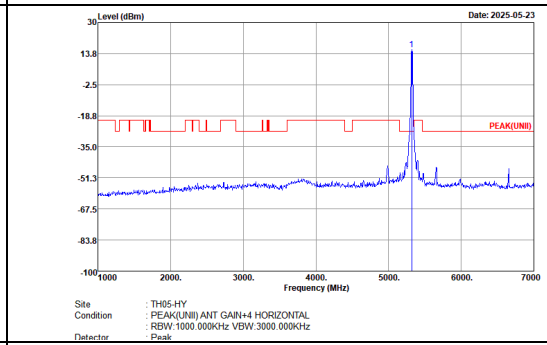
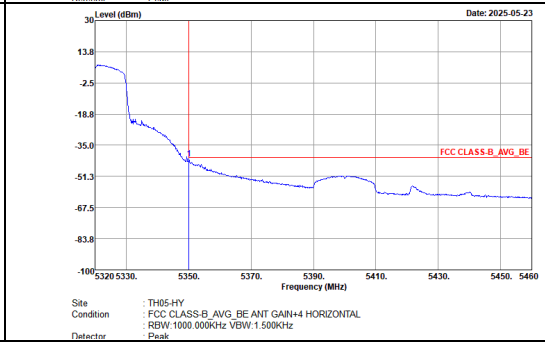
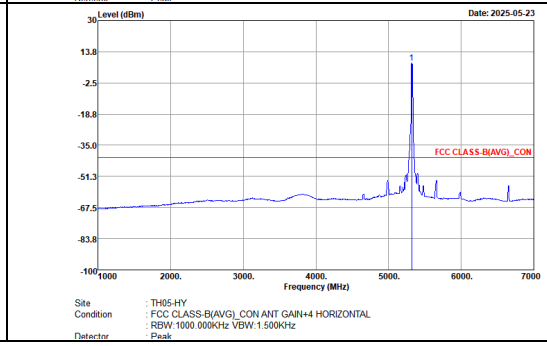
WIFI 802.11ax HE20 Full (Band Edge)

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

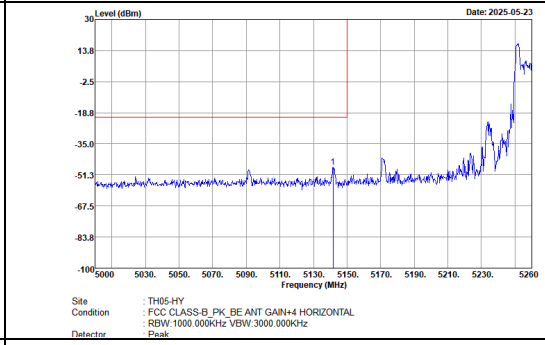
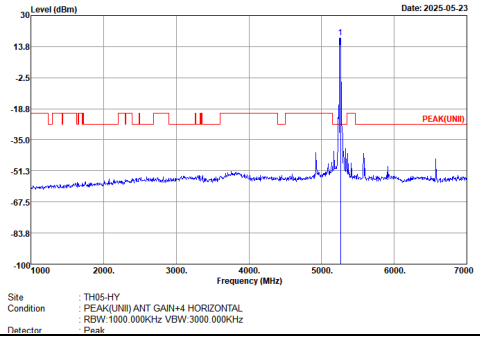
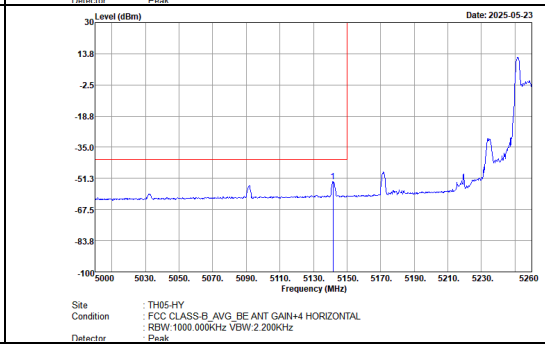
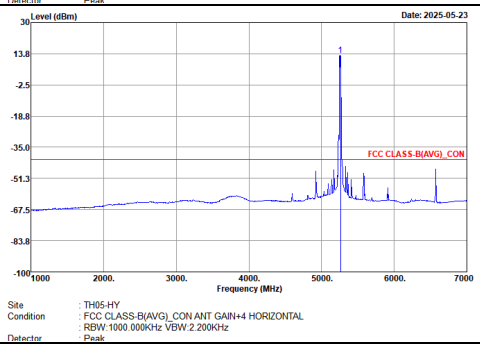
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

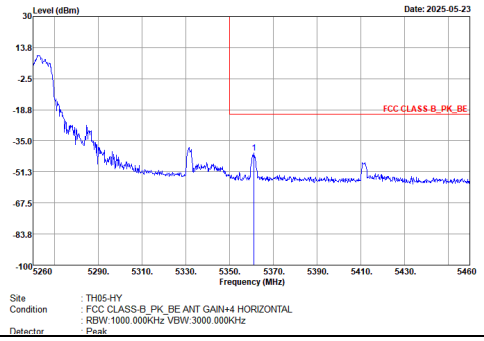
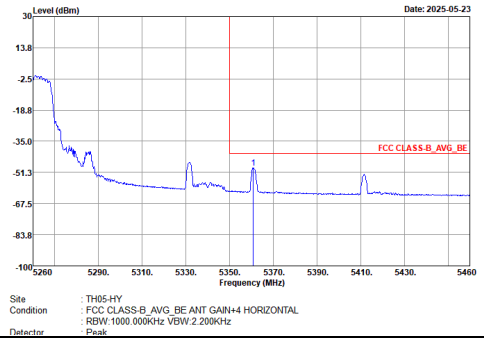
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

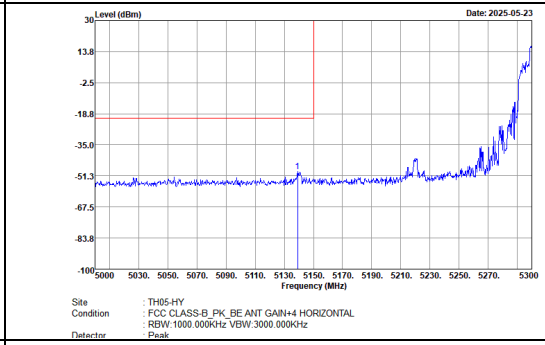
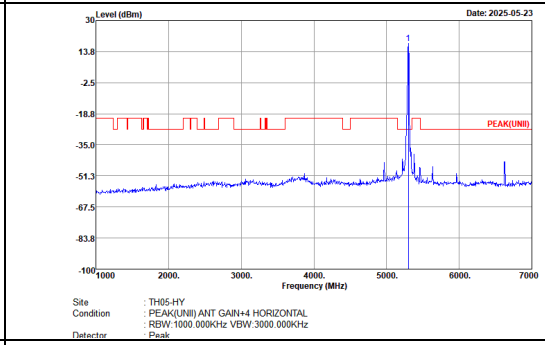
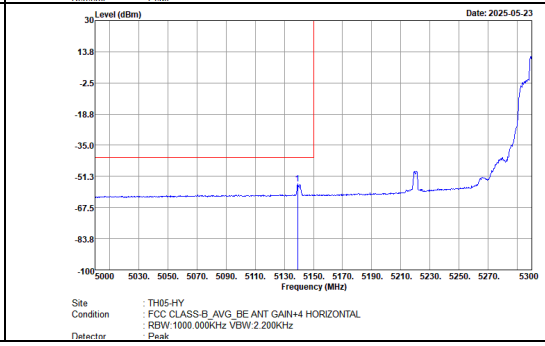
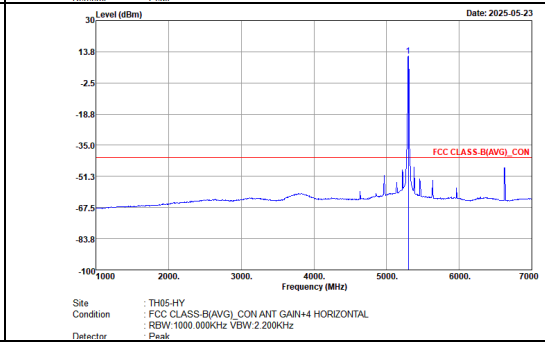
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH64 5320MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

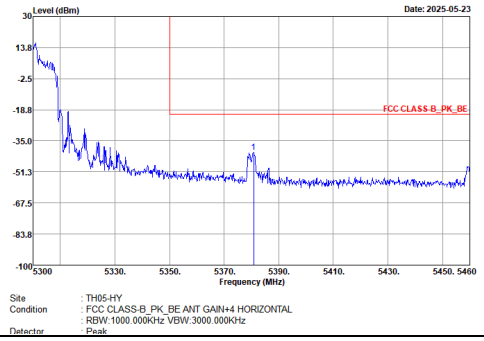
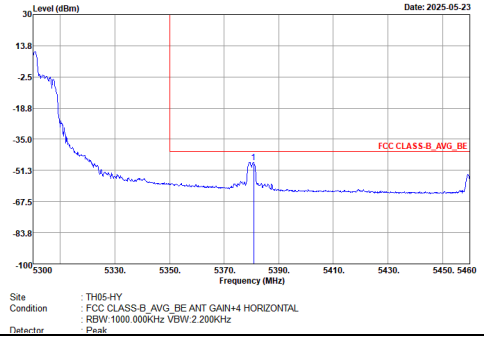
Band 2 - 5250~5350MHz

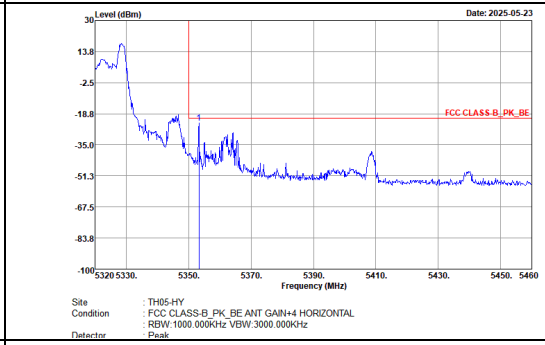
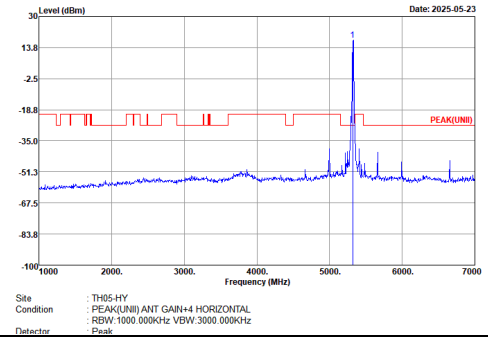
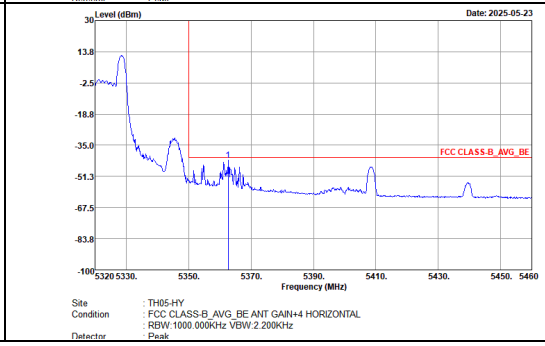
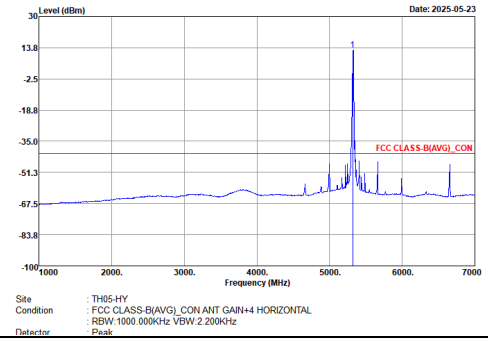
WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/0 CH52 5260MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/0 CH52 5260MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

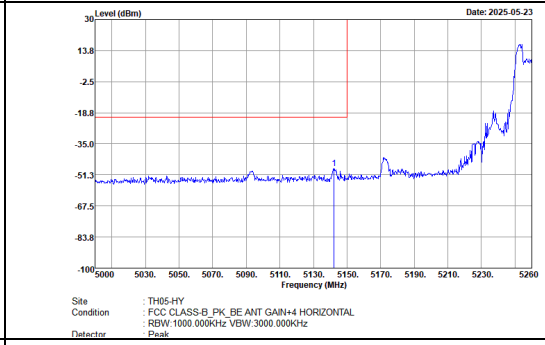
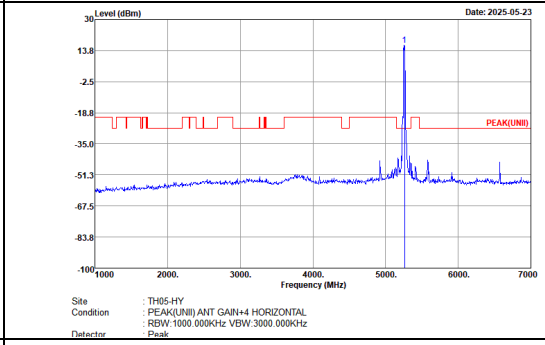
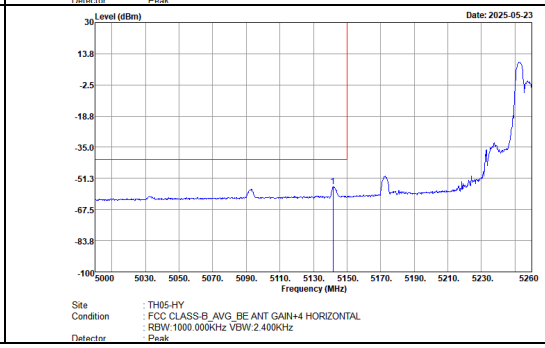
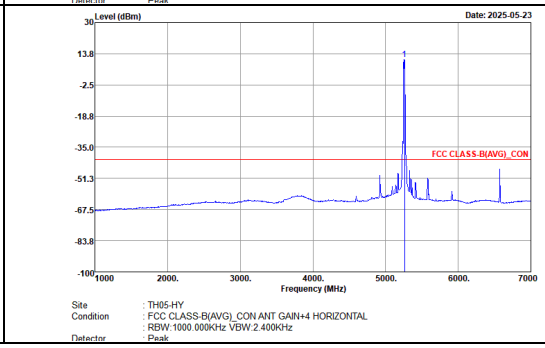
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/4 CH60 5300MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

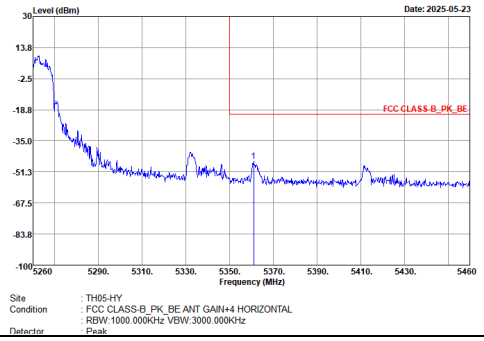
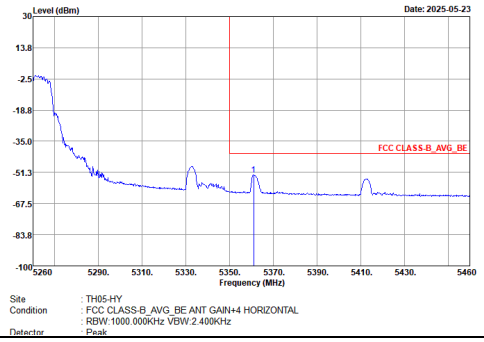
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/4 CH60 5300MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

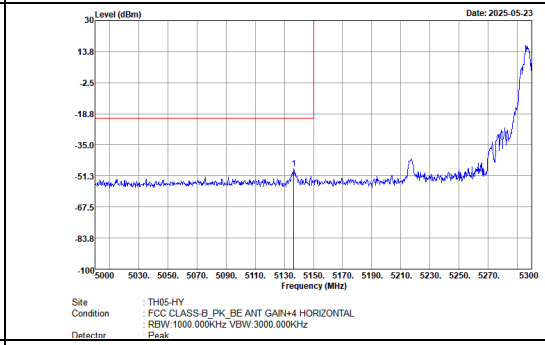
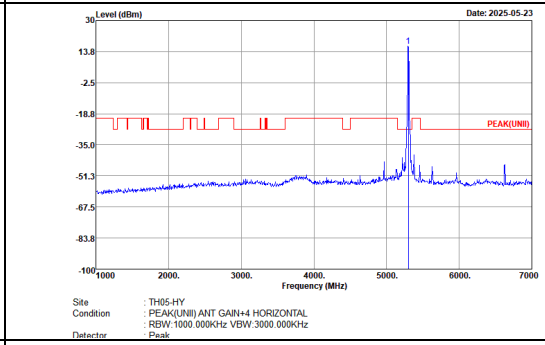
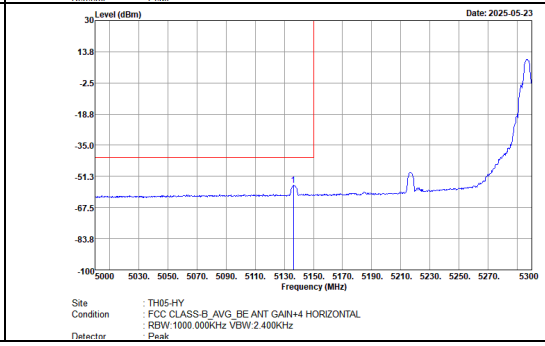
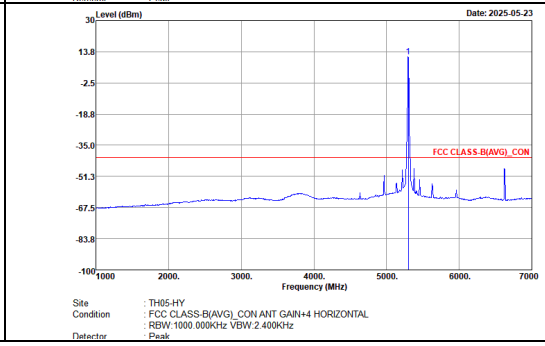
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/8 CH64 5320MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

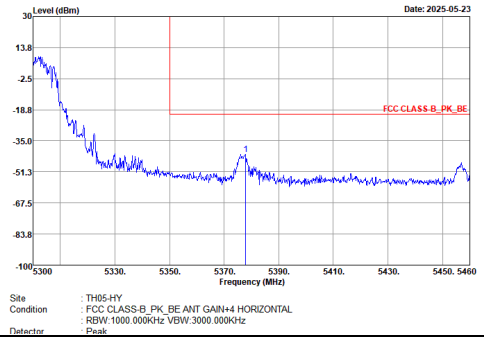
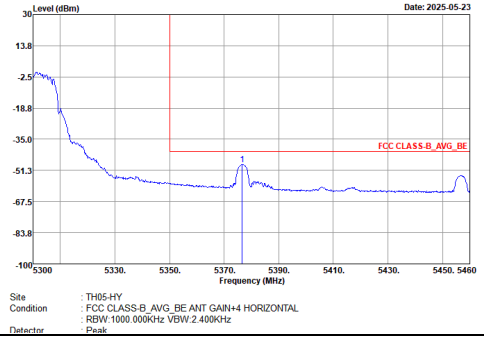
Band 2 5250~5350MHz

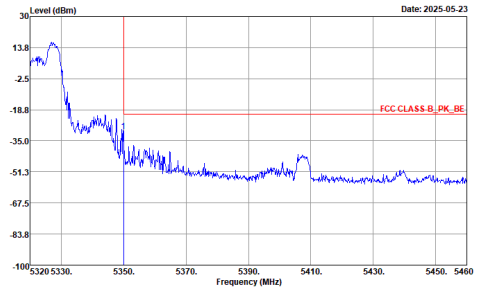
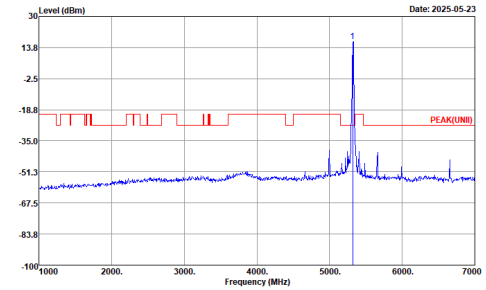
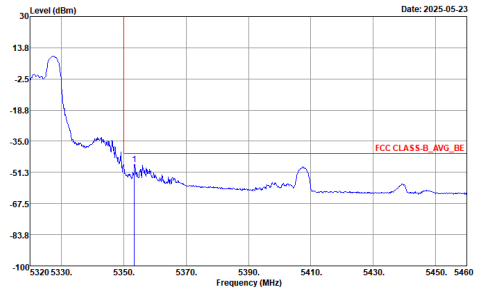
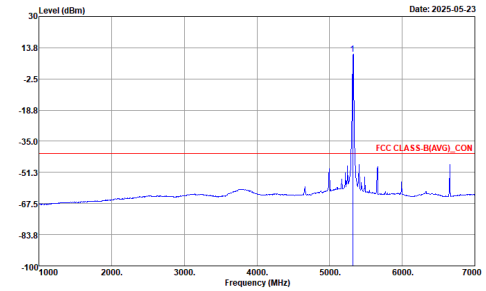
WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/37 CH52 5260MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/37 CH52 5260MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

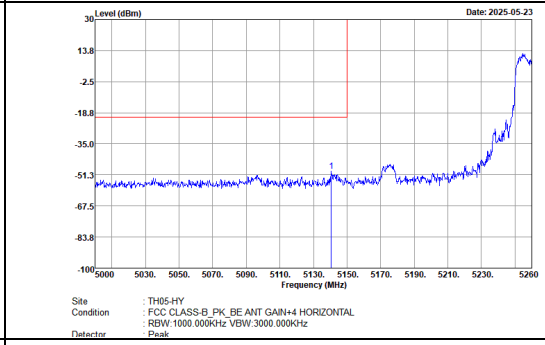
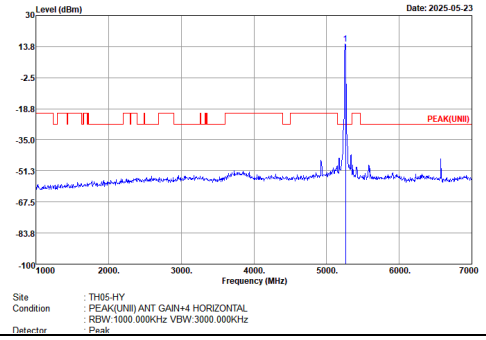
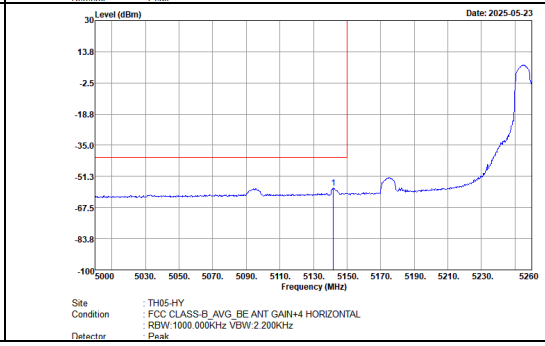
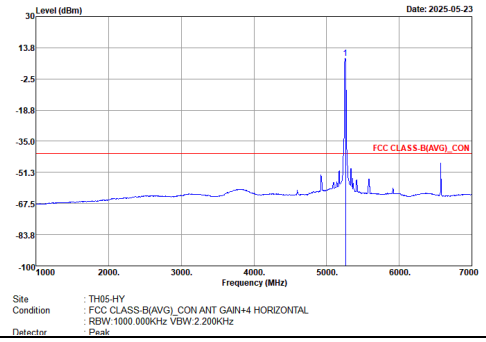
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/38 CH60 5300MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

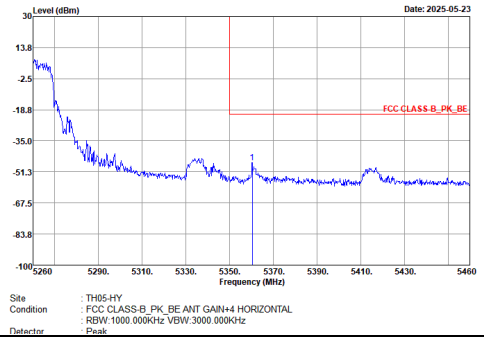
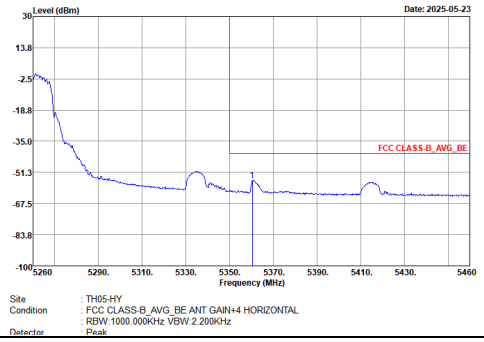
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/38 CH60 5300MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

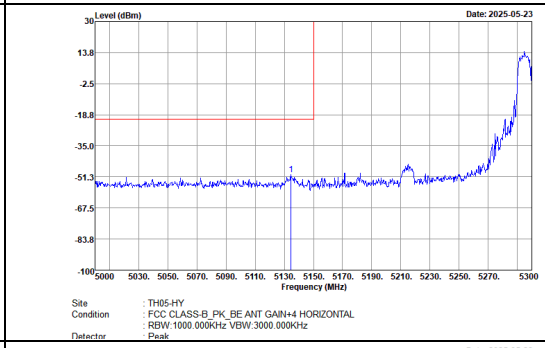
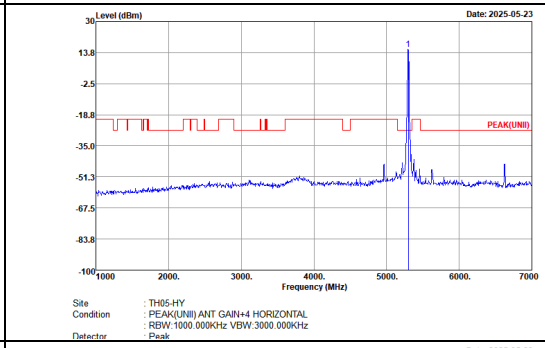
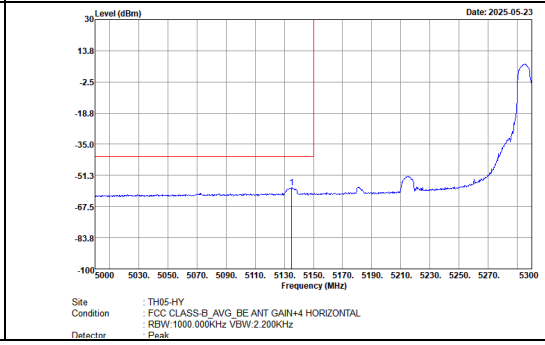
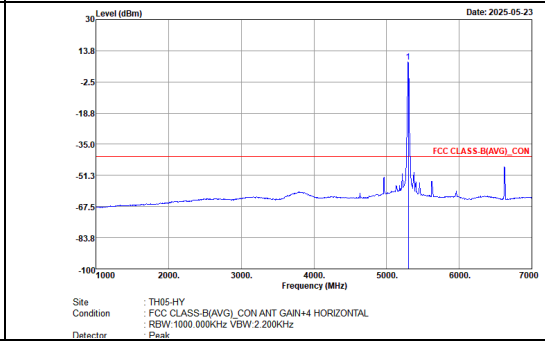
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/40 CH64 5320MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

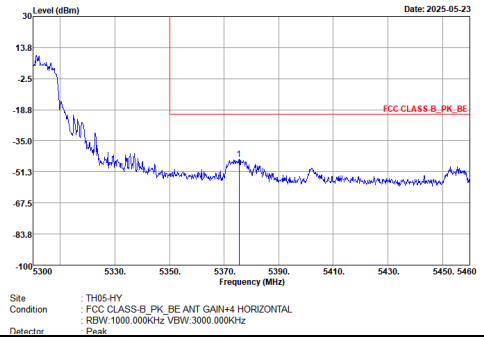
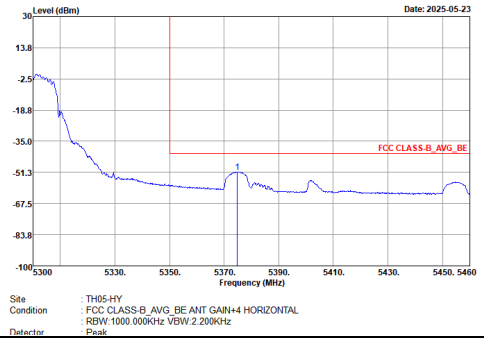
Band 2 5250~5350MHz

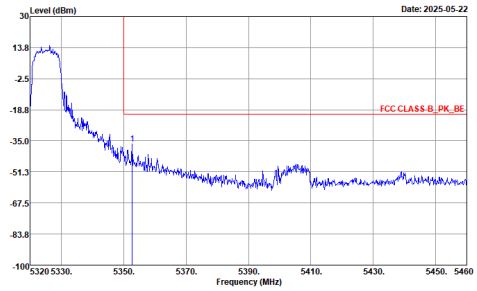
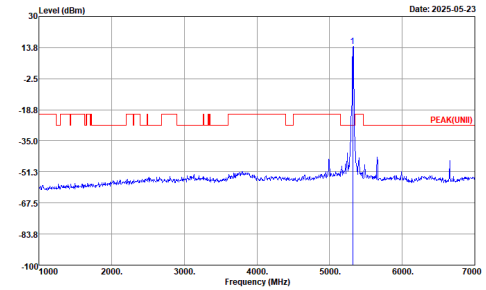
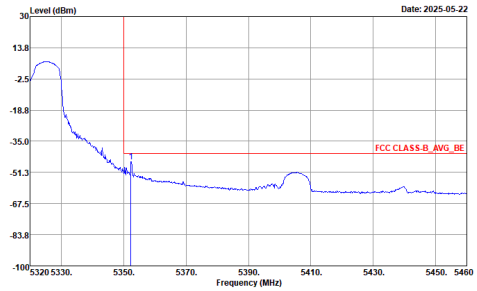
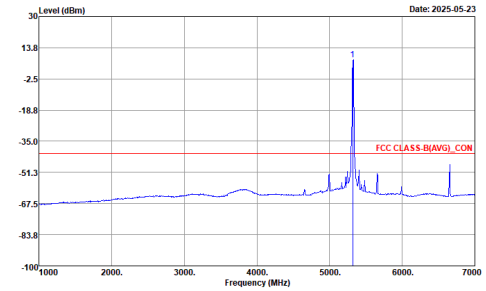
WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/53 CH52 5260MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/53 CH52 5260MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

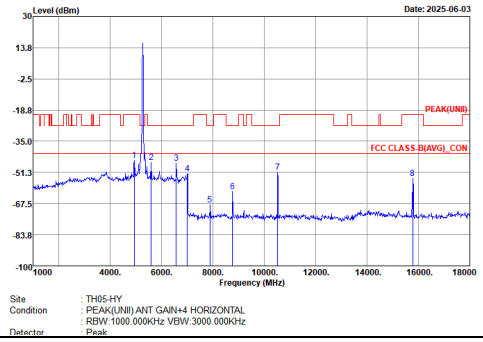
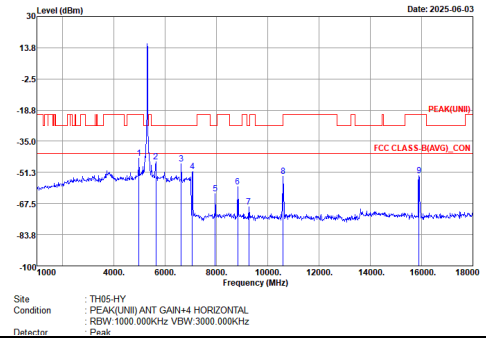
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/53 CH60 5300MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

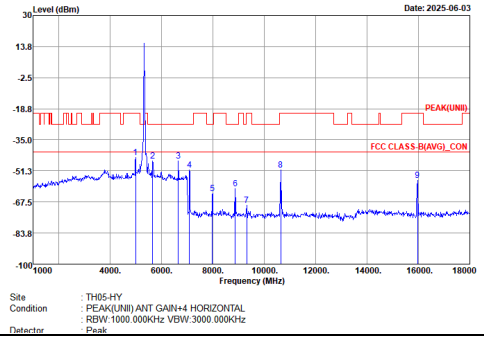
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/53 CH60 5300MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank
Avg.		Left Blank

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

Band 2 - 5250~5350MHz

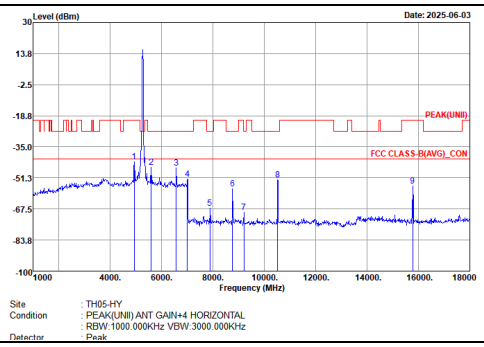
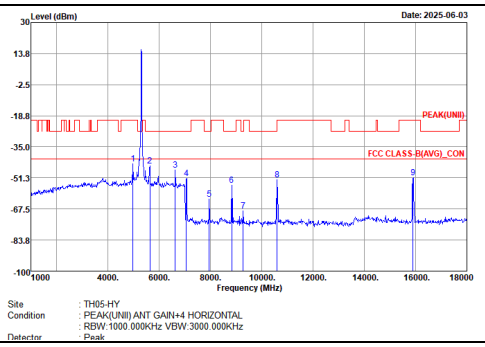
WIFI 802.11a (Harmonic)

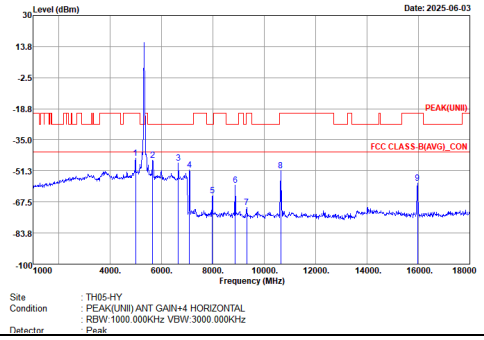
WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH52 5260MHz	802.11a CH60 5300MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11a CH64 5320MHz	
1	Harmonic	
Peak Avg.		

Band 2 5250~5350MHz

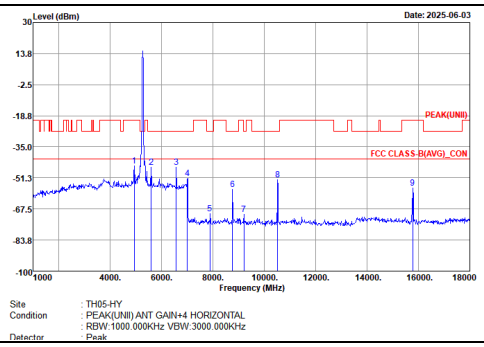
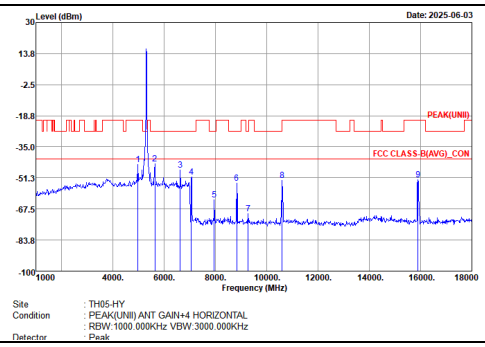
WIFI 802.11n HT20 (Harmonic)

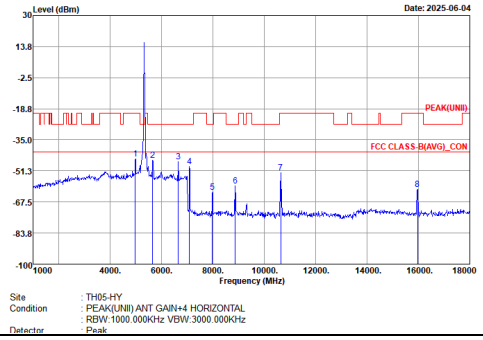
WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH52 5260MHz	802.11n HT20 CH60 5300MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11n HT20 CH64 5320MHz	
1	Harmonic	
Peak Avg.		

Band 2 - 5250~5350MHz

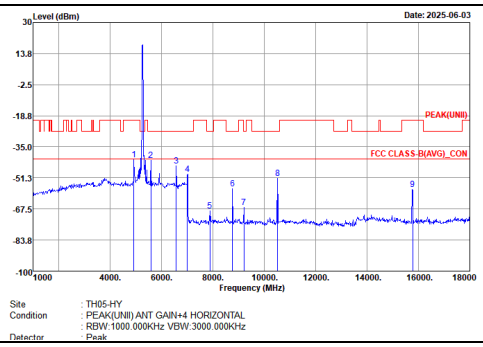
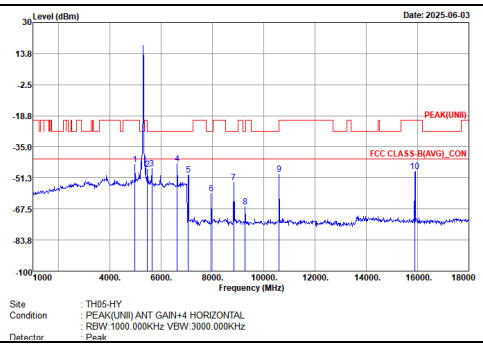
WIFI 802.11ax HE20 Full (Harmonic)

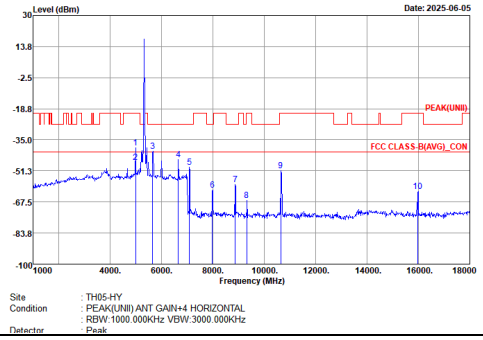
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH52 5260MHz	802.11ax HE20 Full CH60 5300MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Full CH64 5320MHz	
1	Harmonic	
Peak Avg.		

Band 2 - 5250~5350MHz

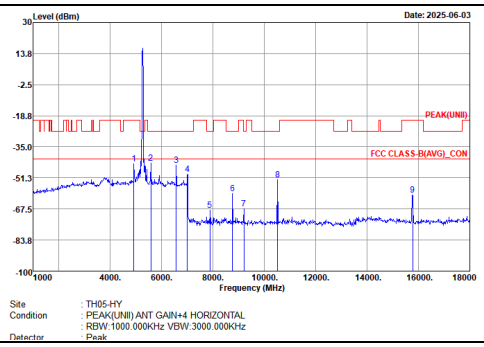
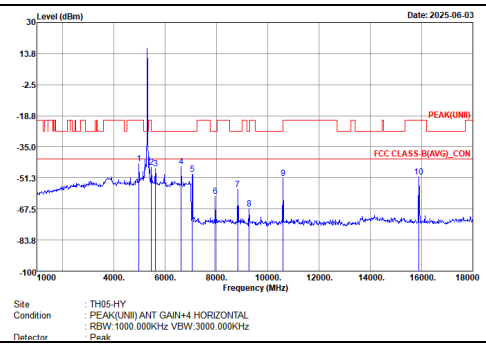
WIFI 802.11ax HE20 Partial 26 (Harmonic)

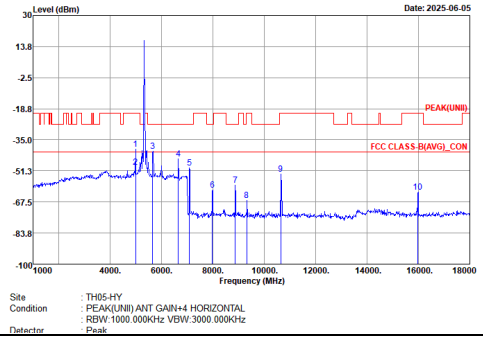
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/0 CH52 5260MHz	802.11ax HE20 Partial 26/4 CH60 5300MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 26/8 CH64 5320MHz	
1	Harmonic	
Peak Avg.		

Band 2 5250~5350MHz

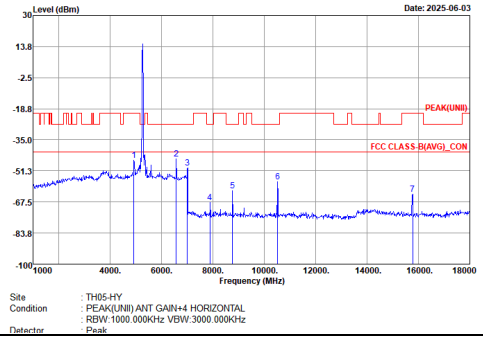
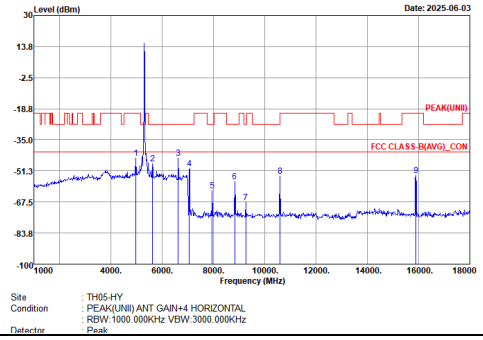
WIFI 802.11ax HE20 Partial 52 (Harmonic)

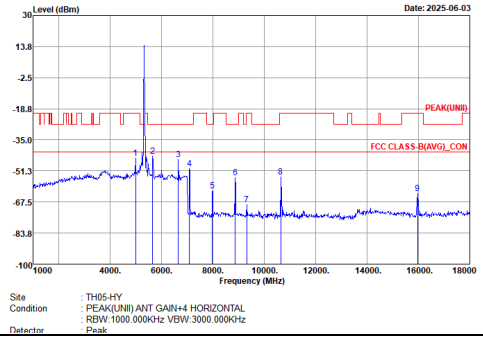
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/37 CH52 5260MHz	802.11ax HE20 Partial 52/38 CH60 5300MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 52/40 CH64 5320MHz	
1	Harmonic	
Peak Avg.		

Band 2 5250~5350MHz

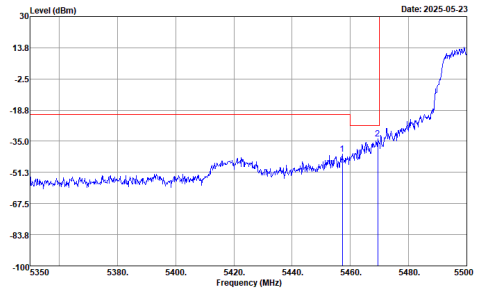
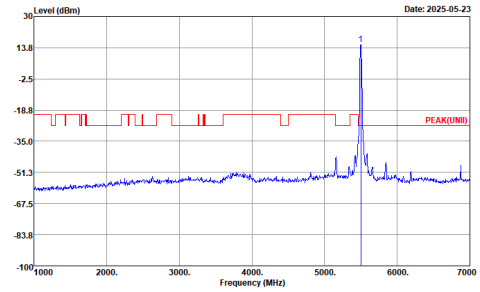
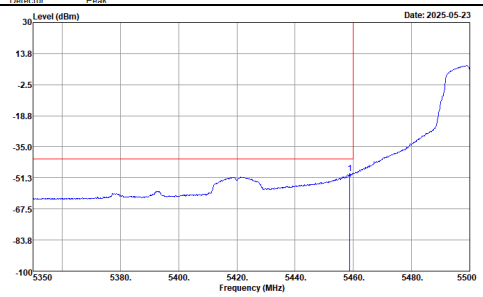
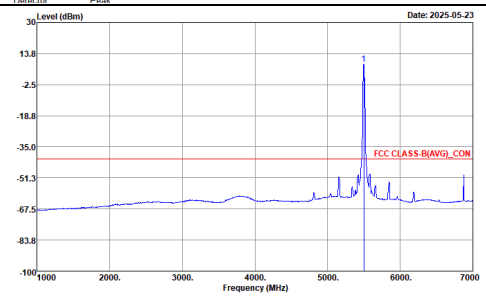
WIFI 802.11ax HE20 Partial 106 (Harmonic)

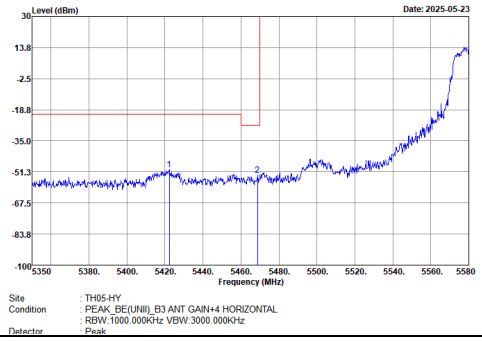
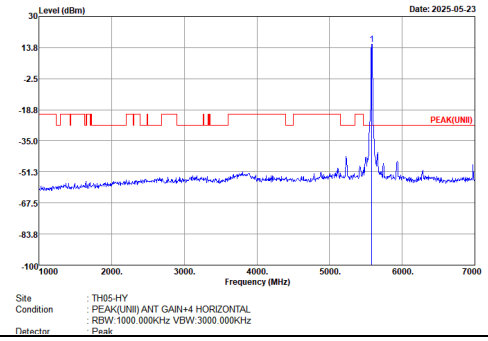
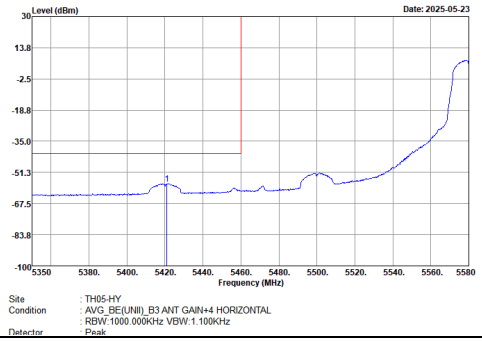
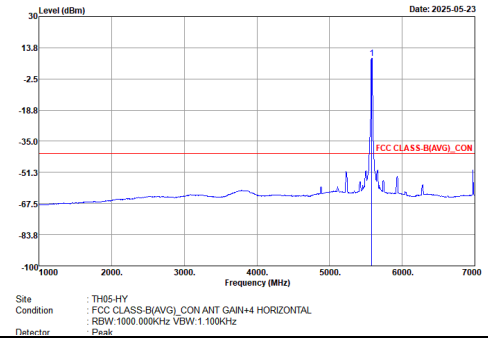
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/53 CH52 5260MHz	802.11ax HE20 Partial 106/53 CH60 5300MHz
1	Harmonic	Harmonic
Peak Avg.		

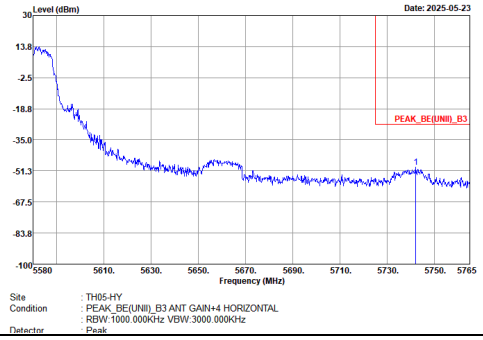
WIFI	Band 2 5250~5350MHz	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
1	Harmonic	
Peak Avg.		

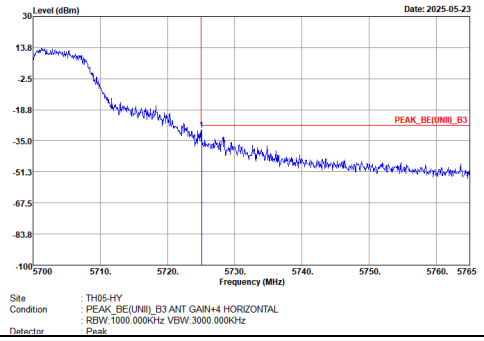
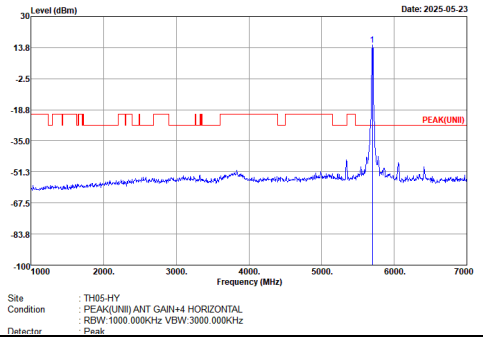
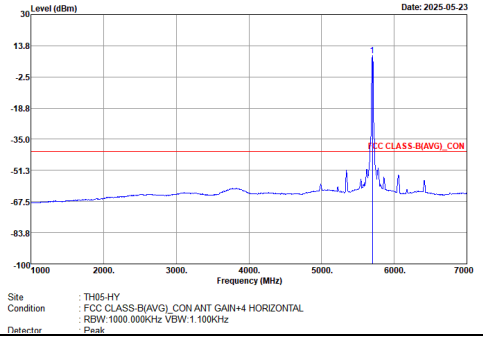
Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge)

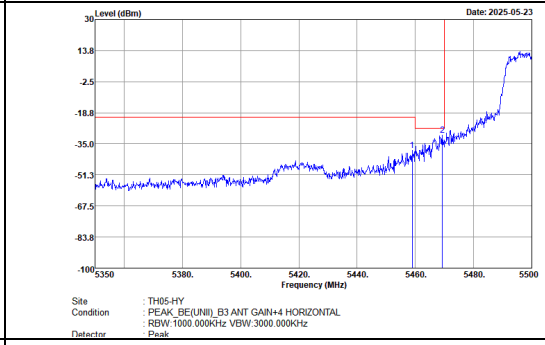
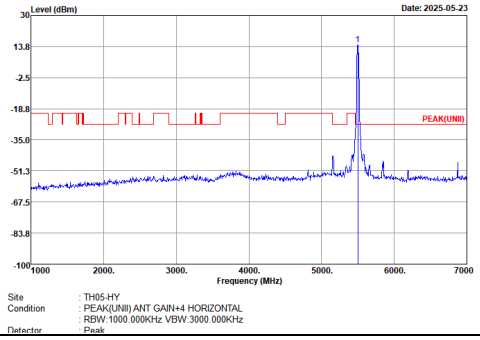
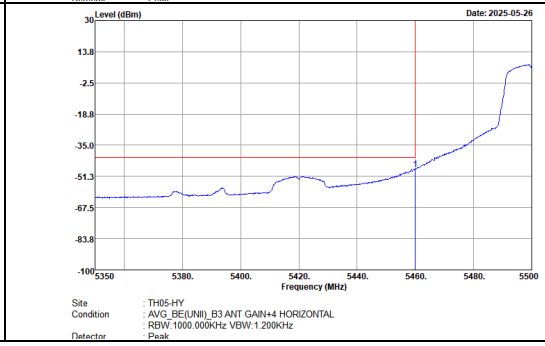
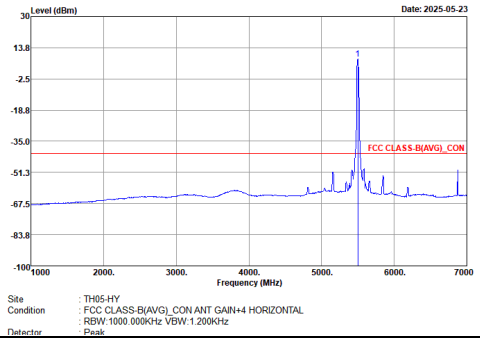
WIFI	Band 3 5470~5725MHz	
ANT	802.11a CH100 5500MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

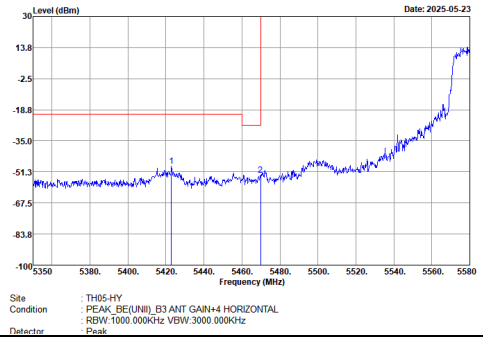
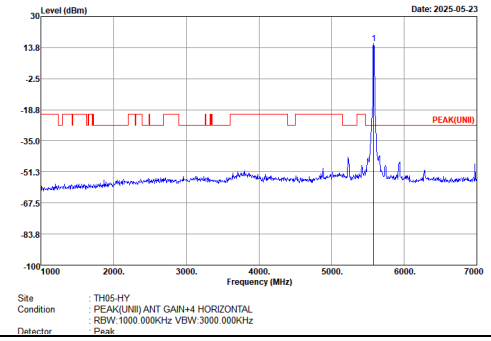
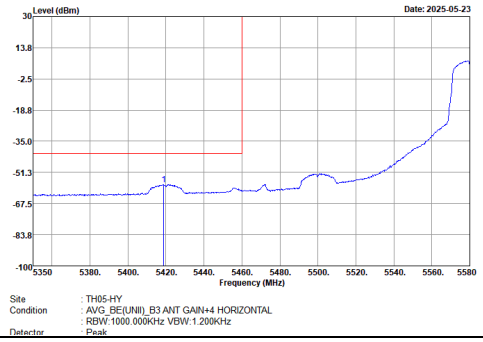
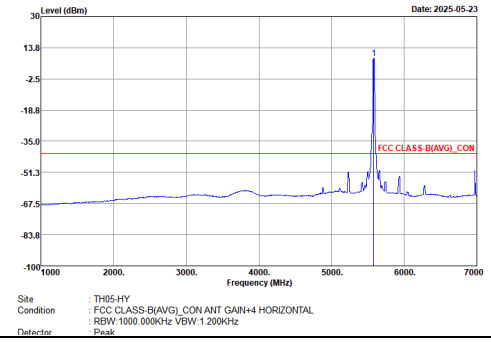
WIFI	Band 3 5470~5725MHz	
ANT	802.11a CH116 5580MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

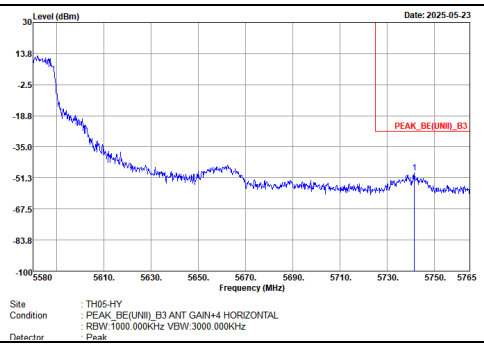
WIFI	Band 3 5470~5725MHz	
ANT	802.11a CH116 5580MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank

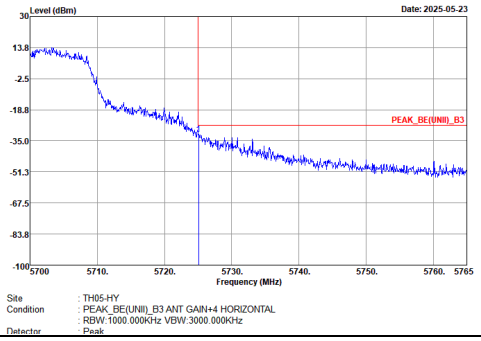
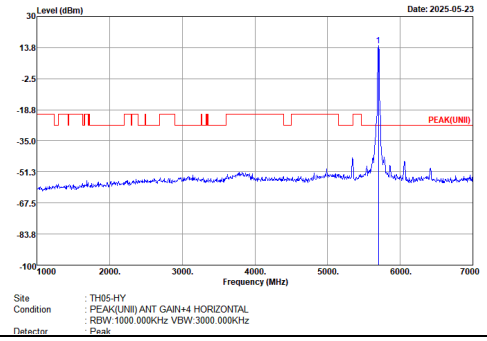
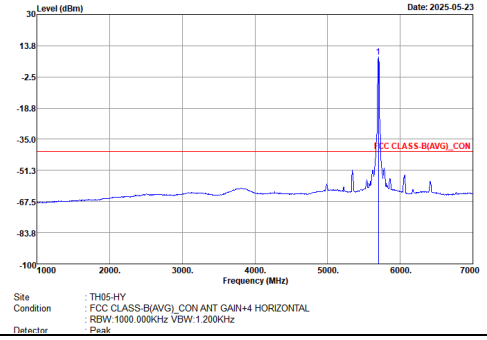
WIFI	Band 3 5470~5725MHz	
ANT	802.11a CH140 5700MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Left Blank	

Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge)

WIFI	Band 3 5470~5725MHz	
ANT	802.11n HT20 CH100 5500MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

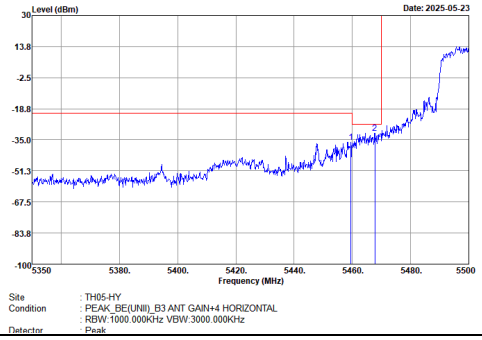
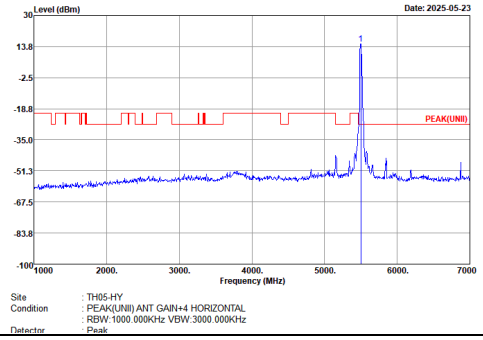
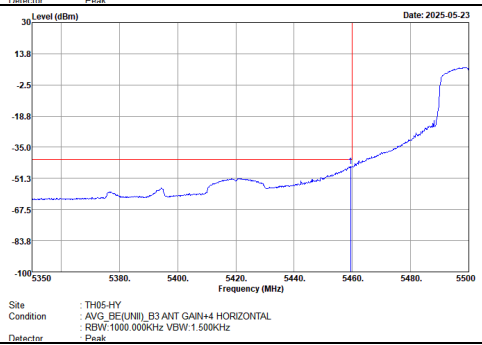
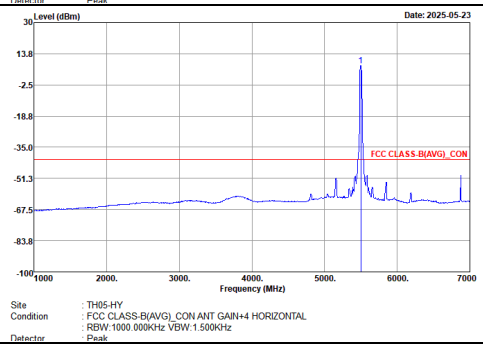
WIFI	Band 3 5470~5725MHz	
ANT	802.11n HT20 CH116 5580MHz – L	
1	Band Edge	Fundamental
Peak		
Avg.		

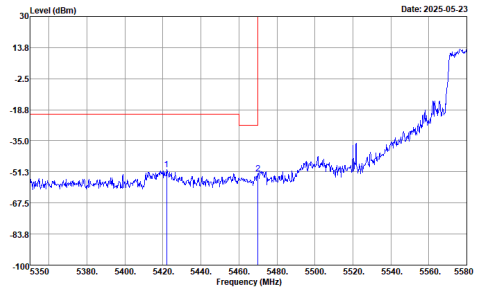
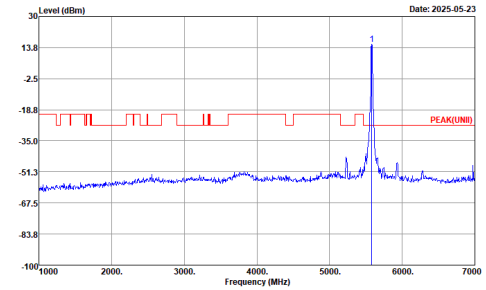
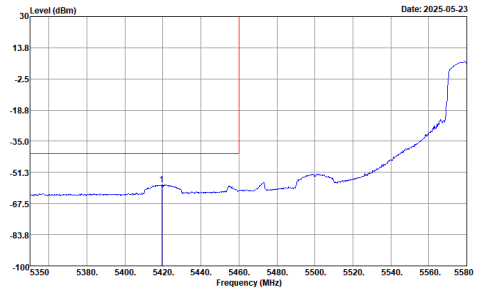
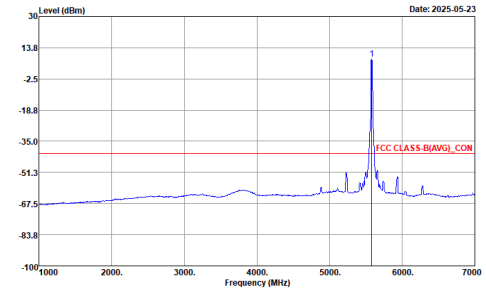
WIFI	Band 3 5470~5725MHz	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank

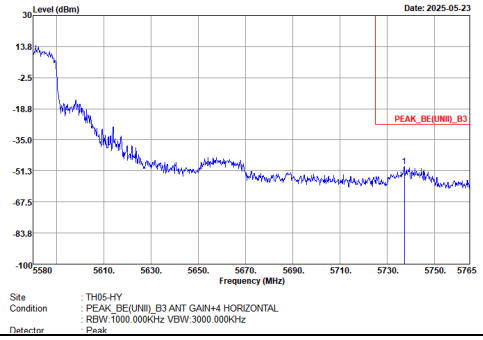
WIFI	Band 3 5470~5725MHz	
ANT	802.11n HT20 CH140 5700MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Left Blank	

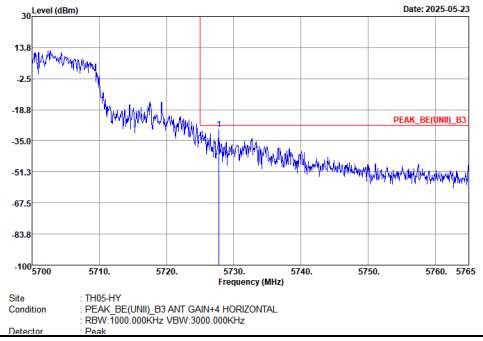
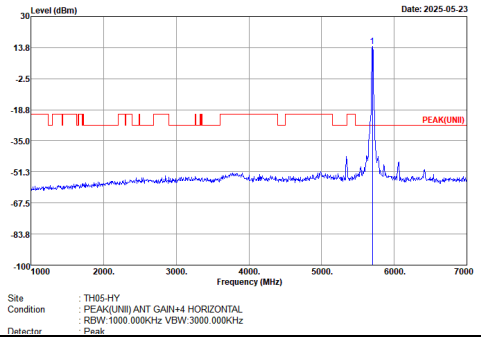
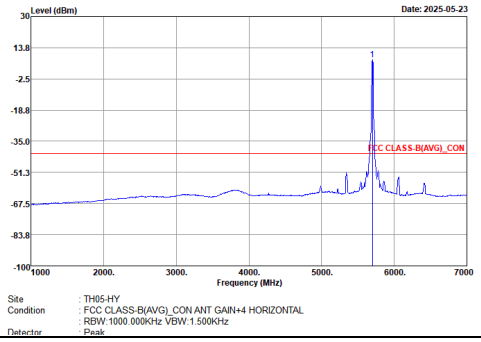
Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 Full (Band Edge)

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Full CH100 5500MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

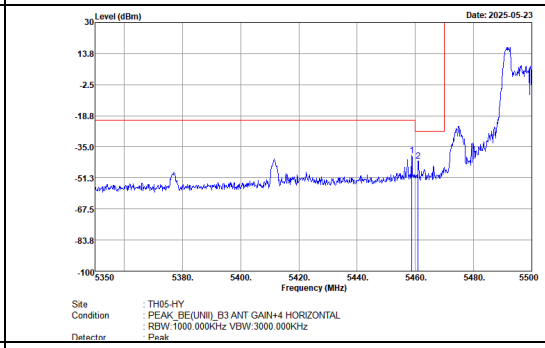
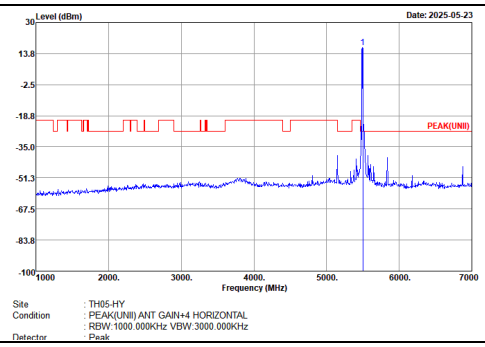
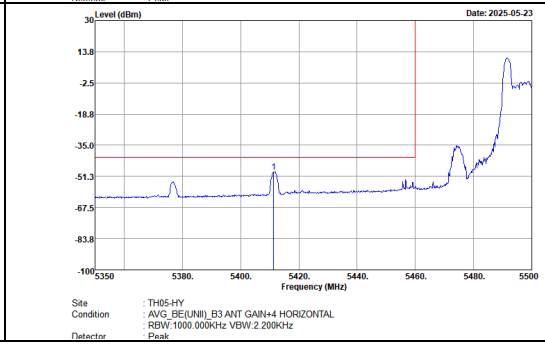
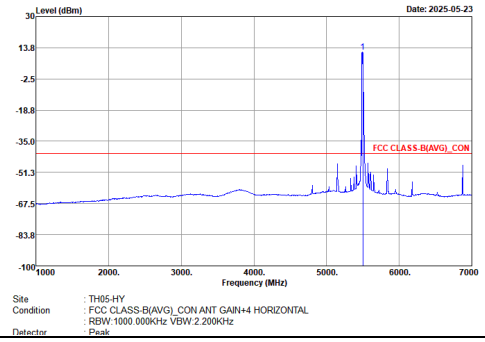
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Full CH116 5580MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

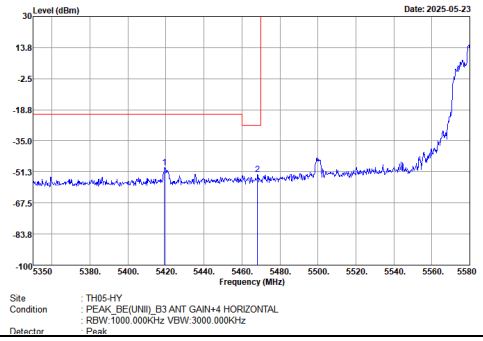
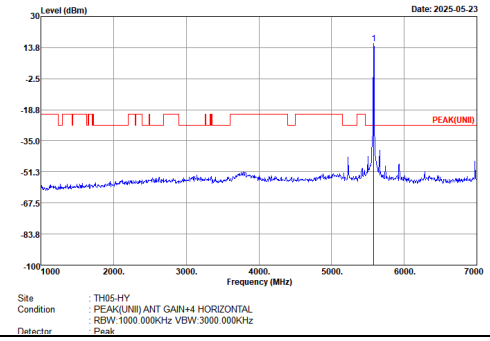
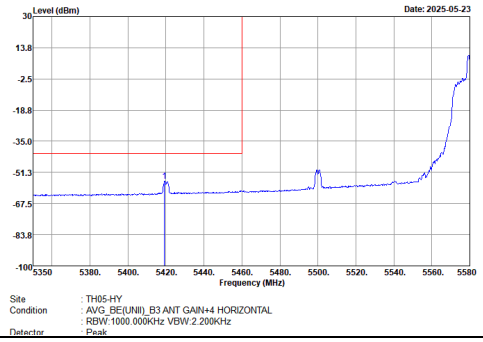
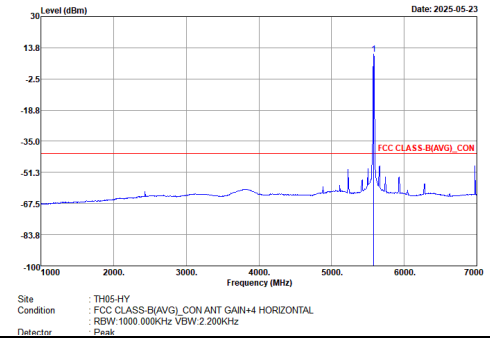
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Full CH116 5580MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank

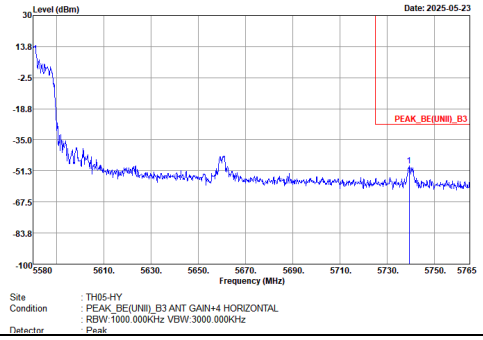
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Full CH140 5700MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Left Blank	

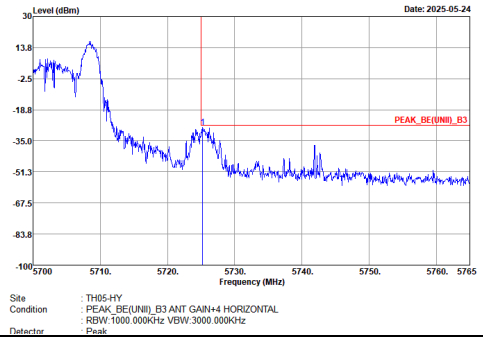
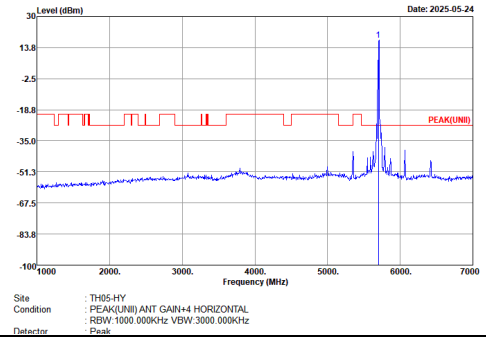
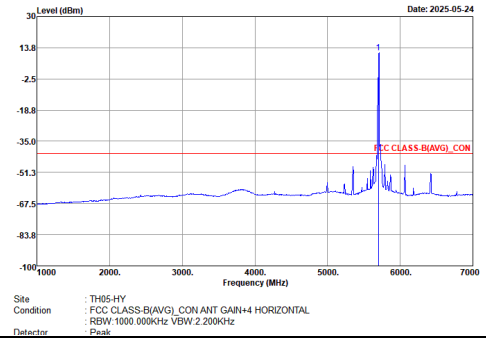
Band 3 - 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Band Edge)

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 26/0 CH100 5500MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

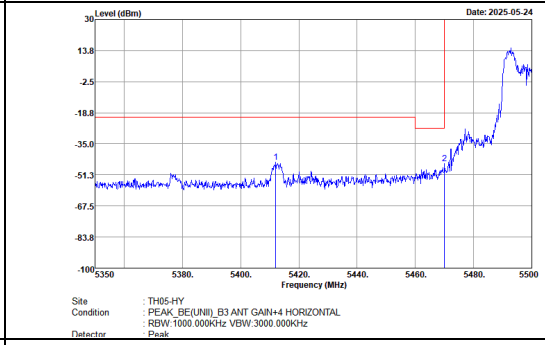
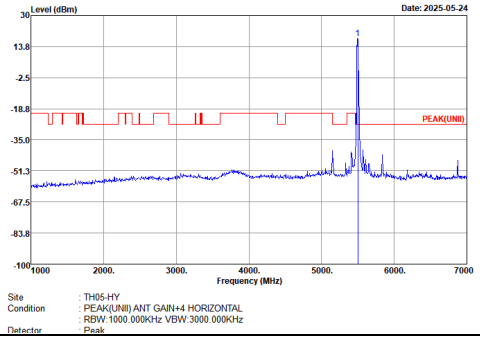
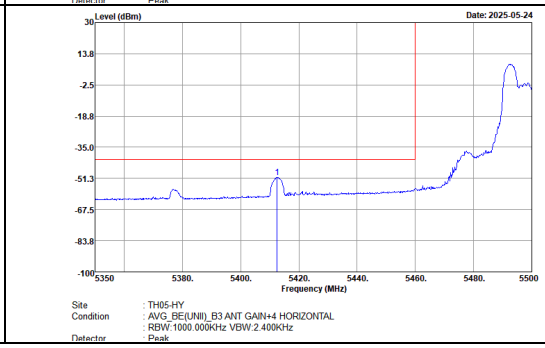
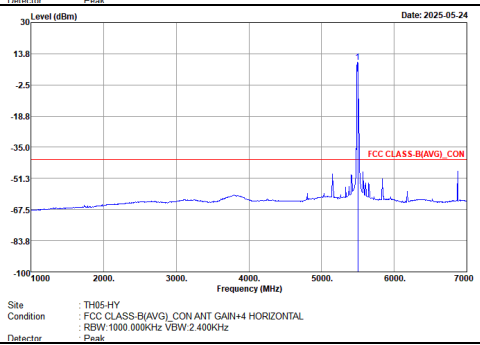
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 26/4 CH116 5580MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

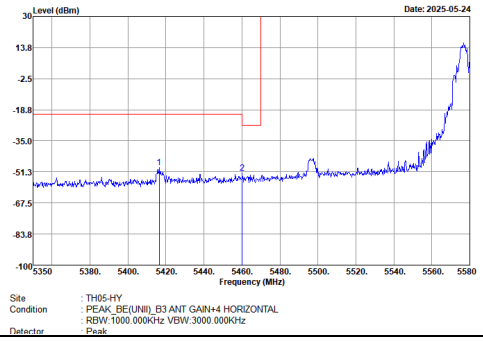
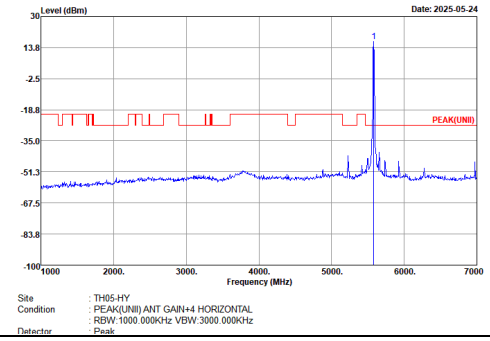
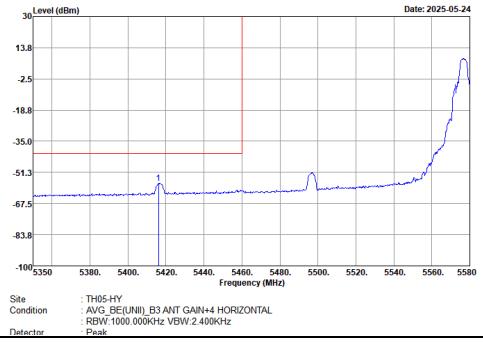
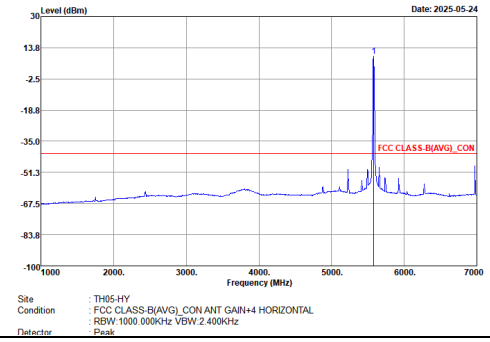
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 26/4 CH116 5580MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank

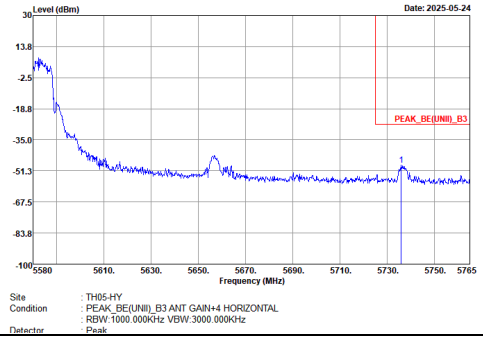
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 26/8 CH140 5700MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Left Blank	

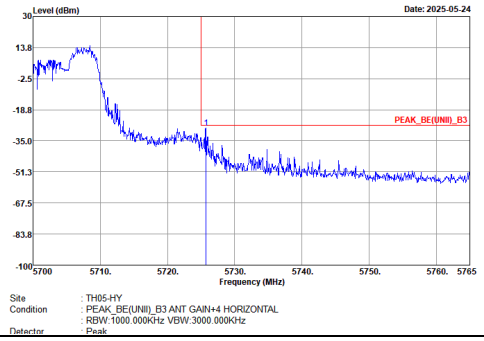
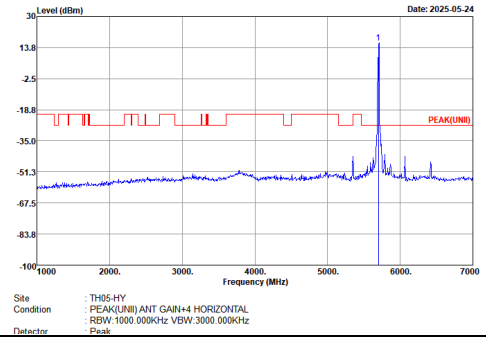
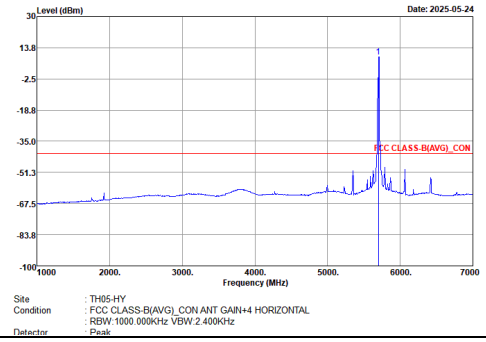
Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 52 (Band Edge)

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 52/37 CH100 5500MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

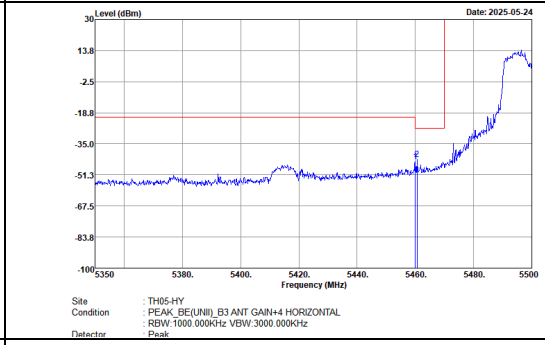
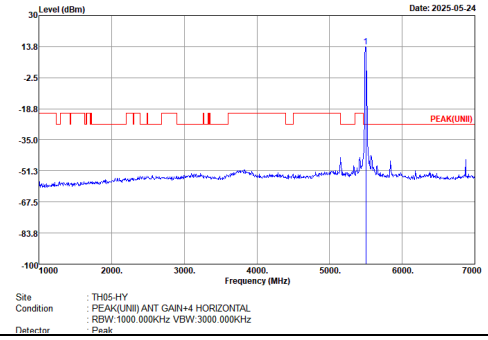
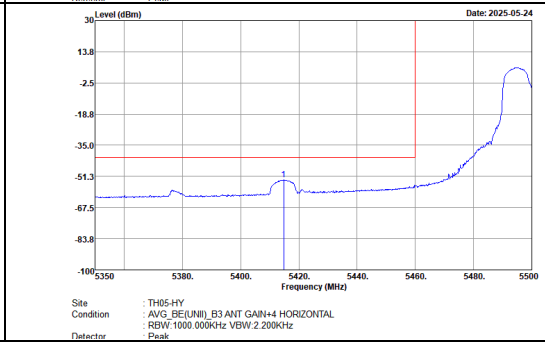
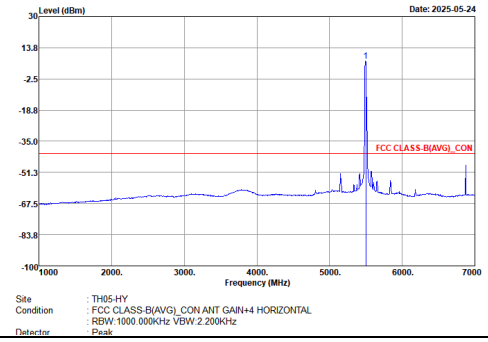
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 52/38 CH116 5580MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

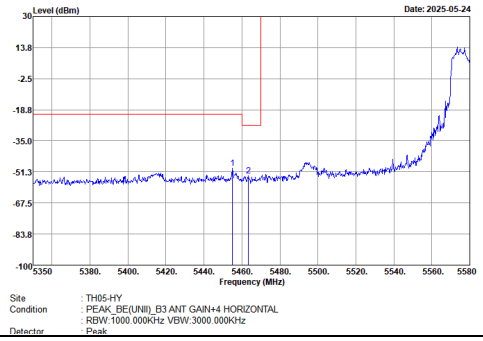
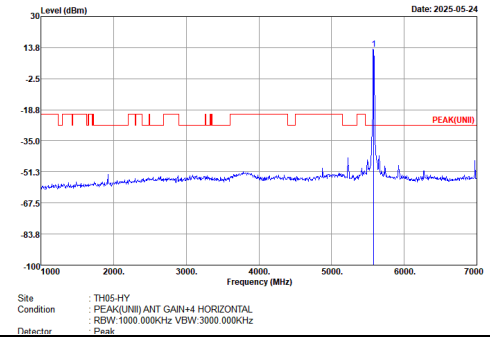
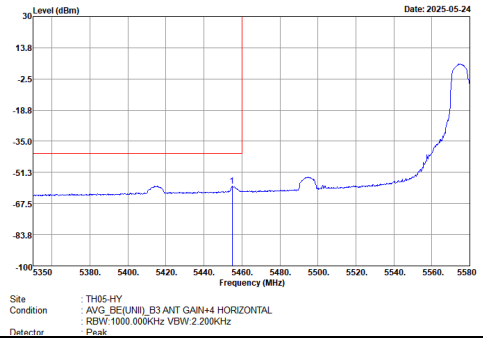
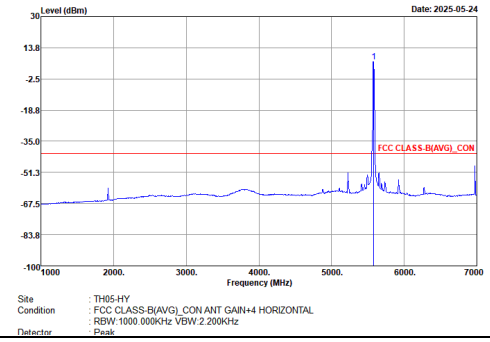
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 52/38 CH116 5580MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank

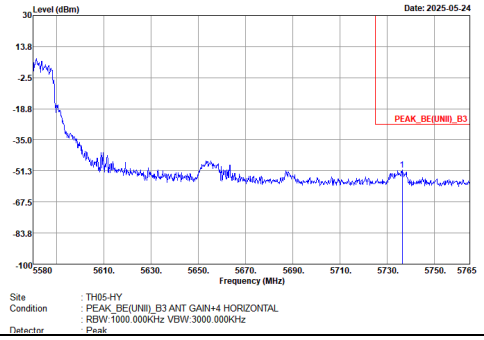
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 52/40 CH140 5700MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Left Blank	

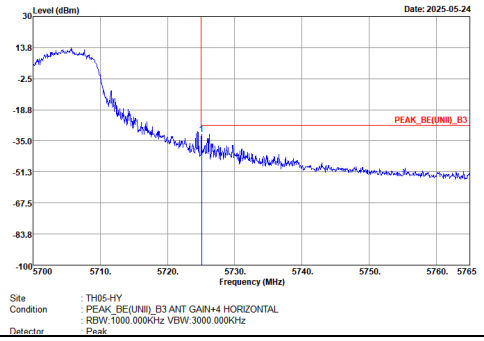
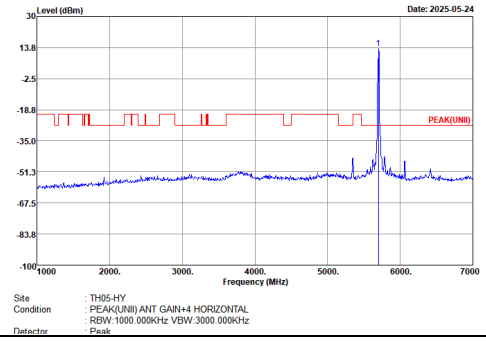
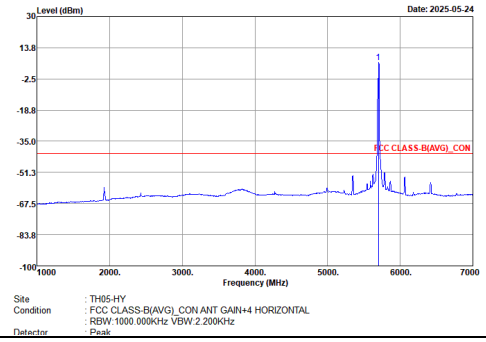
Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (Band Edge)

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 106/53 CH100 5500MHz	
1	Band Edge	Fundamental
Peak		
Avg.		

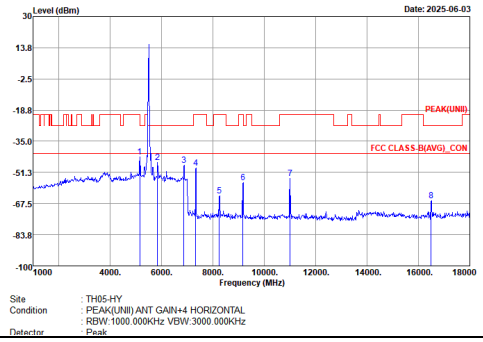
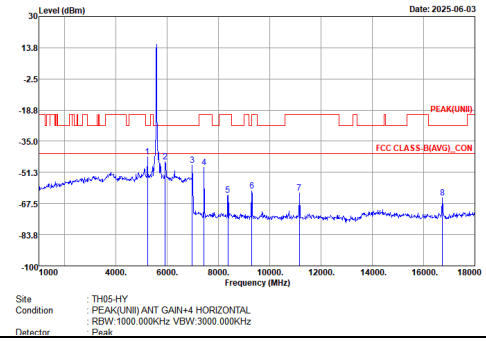
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 106/53 CH116 5580MHz - L	
1	Band Edge	Fundamental
Peak		
Avg.		

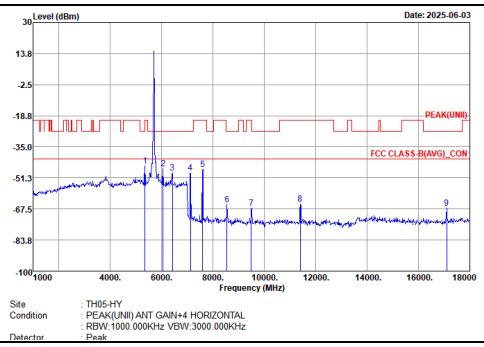
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 106/53 CH116 5580MHz - R	
1	Band Edge	Fundamental
Peak		Left Blank

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 106/54 CH140 5700MHz	
1	Band Edge	Fundamental
Peak		
Avg.	Left Blank	

Band 3 - 5470~5725MHz

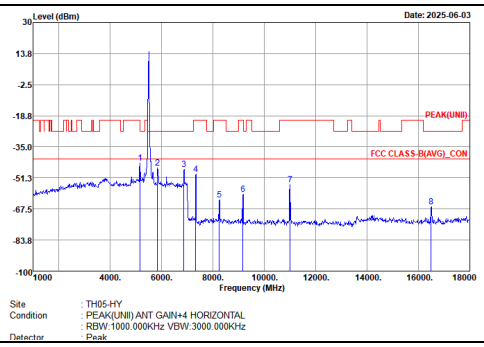
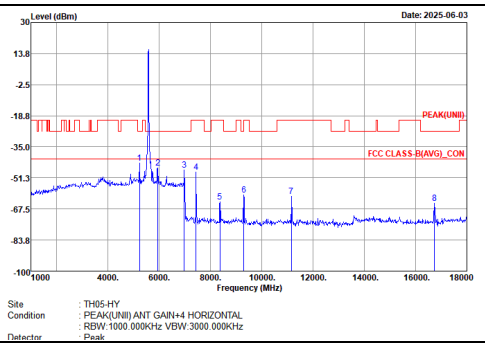
WIFI 802.11a (Harmonic)

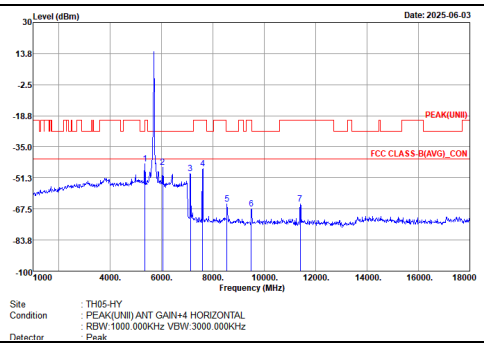
WIFI	Band 3 5470~5725MHz	
ANT	802.11a CH100 5500MHz	802.11a CH116 5580MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 3 5470~5725MHz	
ANT	802.11a CH140 5700MHz	
1	Harmonic	
Peak Avg.		

Band 3 5470~5725MHz

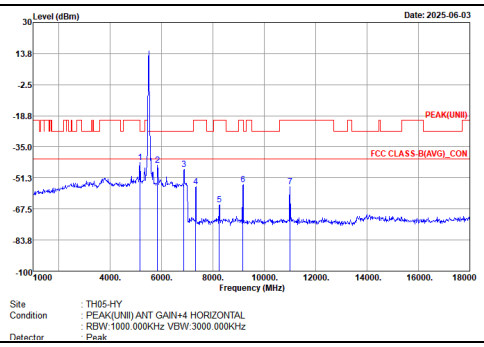
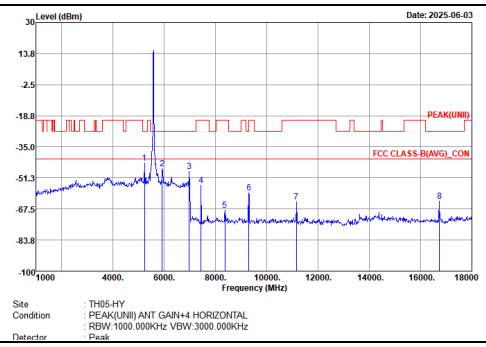
WIFI 802.11n HT20 (Harmonic)

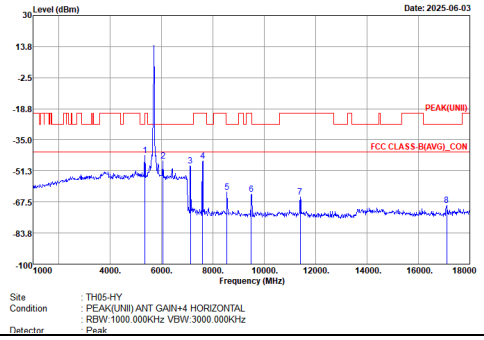
WIFI	Band 3 5470~5725MHz	
ANT	802.11n HT20 CH100 5500MHz	802.11n HT20 CH116 5580MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 3 5470~5725MHz	
ANT	802.11n HT20 CH140 5700MHz	
1	Harmonic	
Peak Avg.		

Band 3 - 5470~5725MHz

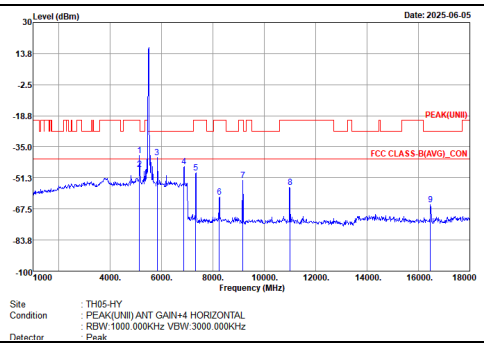
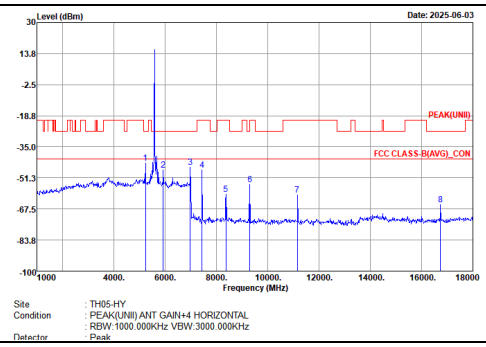
WIFI 802.11ax HE20 Full (Harmonic)

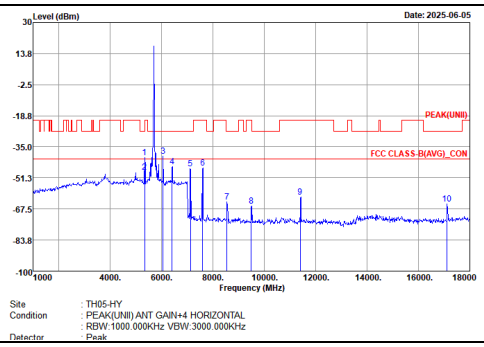
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Full CH100 5500MHz	802.11ax HE20 Full CH116 5580MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Full CH140 5700MHz	
1	Harmonic	
Peak Avg.		

Band 3 - 5470~5725MHz

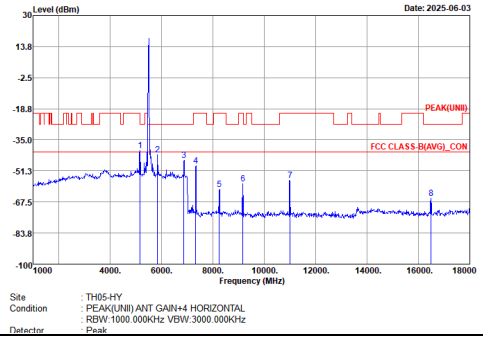
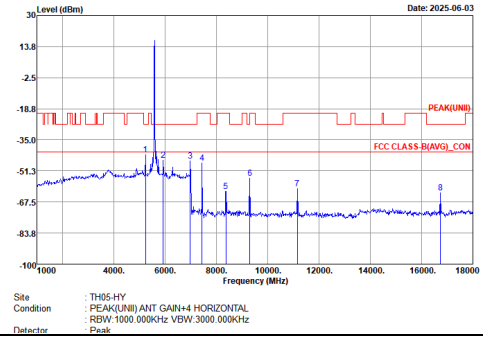
WIFI 802.11ax HE20 Partial 26 (Harmonic)

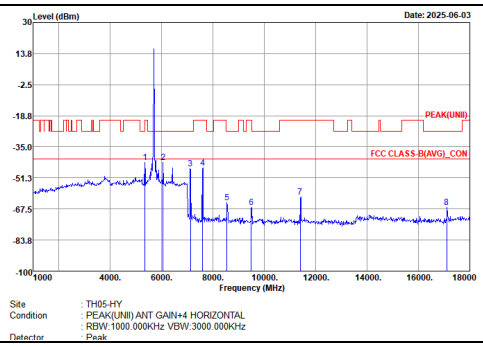
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 26/0 CH100 5500MHz	802.11ax HE20 Partial 26/4 CH116 5580MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 26/8 CH140 5700MHz	
1	Harmonic	
Peak Avg.		

Band 3 5470~5725MHz

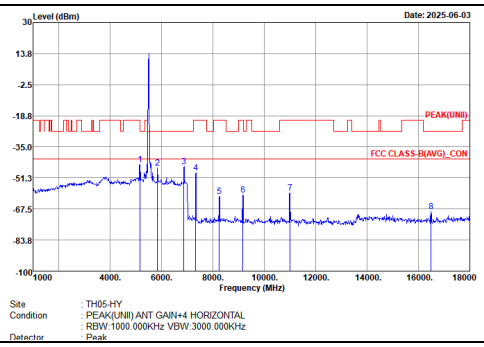
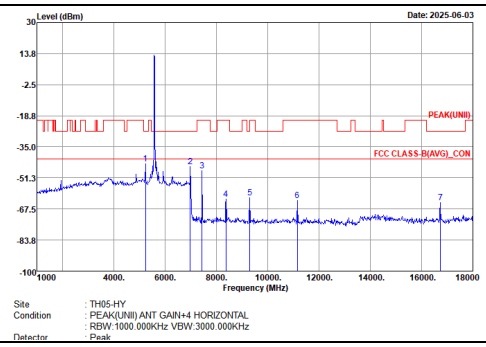
WIFI 802.11ax HE20 Partial 52 (Harmonic)

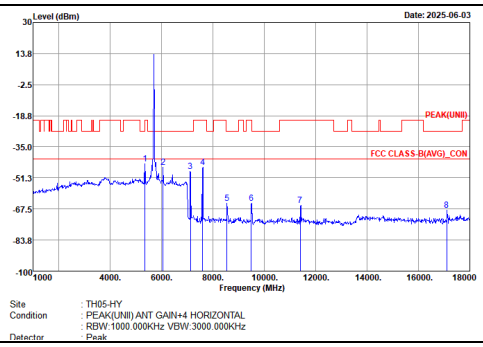
WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 52/37 CH100 5500MHz	802.11ax HE20 Partial 52/38 CH116 5580MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 52/40 CH140 5700MHz	
1	Harmonic	
Peak Avg.		

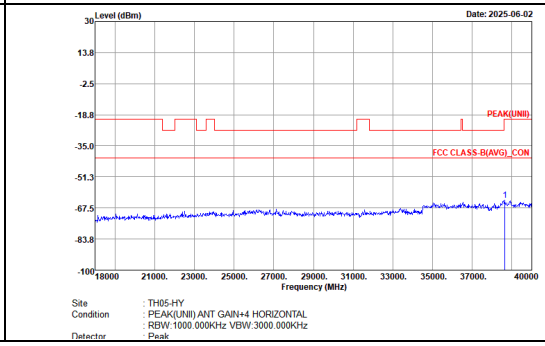
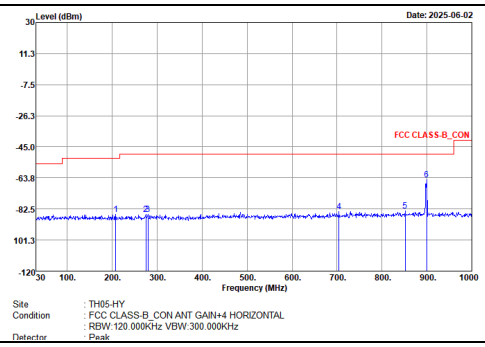
Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (Harmonic)

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 106/53 CH100 5500MHz	802.11ax HE20 Partial 106/53 CH116 5580MHz
1	Harmonic	Harmonic
Peak Avg.		

WIFI	Band 3 5470~5725MHz	
ANT	802.11ax HE20 Partial 106/54 CH140 5700MHz	
1	Harmonic	
Peak Avg.		

WIFI 802.11ax HE20

WIFI	5GHz WIFI	
ANT	802.11ax HE20 SHF	802.11ax HE20 LF
1	Emission above 18GHz	Emission below 1GHz
Peak		

Appendix E. Cabinet Radiated Spurious Emission Test Data

Test Engineer :	Daniel Lee, Fu Chen and Troye Hsieh	**Temperature :**	19.1~20.9°C
		Relative Humidity :	53.2~65.8%

Note symbol

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

E1. 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	1	802.11a	36	5180	6Mbps	-	-
Mode 2	U-NII-1	5.15-5.25	1	802.11a	44	5220	6Mbps	-	-
Mode 3	U-NII-1	5.15-5.25	1	802.11a	48	5240	6Mbps	-	-
Mode 4	U-NII-1	5.15-5.25	1	802.11n HT20	36	5180	MCS0	-	-
Mode 5	U-NII-1	5.15-5.25	1	802.11n HT20	44	5220	MCS0	-	-
Mode 6	U-NII-1	5.15-5.25	1	802.11n HT20	48	5240	MCS0	-	-
Mode 7	U-NII-1	5.15-5.25	1	802.11ax HE20	36	5180	MCS0	Full RU	-
Mode 8	U-NII-1	5.15-5.25	1	802.11ax HE20	44	5220	MCS0	Full RU	-
Mode 9	U-NII-1	5.15-5.25	1	802.11ax HE20	48	5240	MCS0	Full RU	-
Mode 10	U-NII-1	5.15-5.25	1	802.11ax HE20	36	5180	MCS0	26/0 RU	-
Mode 11	U-NII-1	5.15-5.25	1	802.11ax HE20	44	5220	MCS0	26/4 RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	U-NII-1	5.15-5.25	1	802.11ax HE20	48	5240	MCS0	26/8 RU	-
Mode 13	U-NII-1	5.15-5.25	1	802.11ax HE20	36	5180	MCS0	52/37 RU	-
Mode 14	U-NII-1	5.15-5.25	1	802.11ax HE20	44	5220	MCS0	52/38 RU	-
Mode 15	U-NII-1	5.15-5.25	1	802.11ax HE20	48	5240	MCS0	52/40 RU	-
Mode 16	U-NII-1	5.15-5.25	1	802.11ax HE20	36	5180	MCS0	106/53 RU	-
Mode 17	U-NII-1	5.15-5.25	1	802.11ax HE20	44	5220	MCS0	106/53 RU	-
Mode 18	U-NII-1	5.15-5.25	1	802.11ax HE20	48	5240	MCS0	106/54 RU	-
Mode 19	U-NII-2A	5.25-5.35	1	802.11a	52	5260	6Mbps	-	-
Mode 20	U-NII-2A	5.25-5.35	1	802.11a	60	5300	6Mbps	-	-
Mode 21	U-NII-2A	5.25-5.35	1	802.11a	64	5320	6Mbps	-	-
Mode 22	U-NII-2A	5.25-5.35	1	802.11n HT20	52	5260	MCS0	-	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	U-NII-2A	5.25-5.35	1	802.11n HT20	60	5300	MCS0	-	-
Mode 24	U-NII-2A	5.25-5.35	1	802.11n HT20	64	5320	MCS0	-	-
Mode 25	U-NII-2A	5.25-5.35	1	802.11ax HE20	52	5260	MCS0	Full RU	-
Mode 26	U-NII-2A	5.25-5.35	1	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 27	U-NII-2A	5.25-5.35	1	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 28	U-NII-2A	5.25-5.35	1	802.11ax HE20	52	5260	MCS0	26/0 RU	-
Mode 29	U-NII-2A	5.25-5.35	1	802.11ax HE20	60	5300	MCS0	26/4 RU	-
Mode 30	U-NII-2A	5.25-5.35	1	802.11ax HE20	64	5320	MCS0	26/8 RU	-
Mode 31	U-NII-2A	5.25-5.35	1	802.11ax HE20	52	5260	MCS0	52/37 RU	-
Mode 32	U-NII-2A	5.25-5.35	1	802.11ax HE20	60	5300	MCS0	52/38 RU	-
Mode 33	U-NII-2A	5.25-5.35	1	802.11ax HE20	64	5320	MCS0	52/40 RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2A	5.25-5.35	1	802.11ax HE20	52	5260	MCS0	106/53 RU	-
Mode 35	U-NII-2A	5.25-5.35	1	802.11ax HE20	60	5300	MCS0	106/53 RU	-
Mode 36	U-NII-2A	5.25-5.35	1	802.11ax HE20	64	5320	MCS0	106/54 RU	-
Mode 37	U-NII-2C	5.47-5.725	1	802.11a	100	5500	6Mbps	-	-
Mode 38	U-NII-2C	5.47-5.725	1	802.11a	116	5580	6Mbps	-	-
Mode 39	U-NII-2C	5.47-5.725	1	802.11a	140	5700	6Mbps	-	-
Mode 40	U-NII-2C	5.47-5.725	1	802.11n HT20	100	5500	MCS0	-	-
Mode 41	U-NII-2C	5.47-5.725	1	802.11n HT20	116	5580	MCS0	-	-
Mode 42	U-NII-2C	5.47-5.725	1	802.11n HT20	140	5700	MCS0	-	-
Mode 43	U-NII-2C	5.47-5.725	1	802.11ax HE20	100	5500	MCS0	Full RU	-
Mode 44	U-NII-2C	5.47-5.725	1	802.11ax HE20	116	5580	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 45	U-NII-2C	5.47-5.725	1	802.11ax HE20	140	5700	MCS0	Full RU	-
Mode 46	U-NII-2C	5.47-5.725	1	802.11ax HE20	100	5500	MCS0	26/0 RU	-
Mode 47	U-NII-2C	5.47-5.725	1	802.11ax HE20	116	5580	MCS0	26/4 RU	-
Mode 48	U-NII-2C	5.47-5.725	1	802.11ax HE20	140	5700	MCS0	26/8 RU	-
Mode 49	U-NII-2C	5.47-5.725	1	802.11ax HE20	100	5500	MCS0	52/37 RU	-
Mode 50	U-NII-2C	5.47-5.725	1	802.11ax HE20	116	5580	MCS0	52/38 RU	-
Mode 51	U-NII-2C	5.47-5.725	1	802.11ax HE20	140	5700	MCS0	52/40 RU	-
Mode 52	U-NII-2C	5.47-5.725	1	802.11ax HE20	100	5500	MCS0	106/53 RU	-
Mode 53	U-NII-2C	5.47-5.725	1	802.11ax HE20	116	5580	MCS0	106/53 RU	-
Mode 54	U-NII-2C	5.47-5.725	1	802.11ax HE20	140	5700	MCS0	106/54 RU	-
Mode 55	U-NII-2A	5.25-5.35	1	802.11n HT20	52	5260	MCS0	-	SHF

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 56	U-NII-2A	5.25-5.35	1	802.11n HT20	52	5260	MCS0	-	LF

E2. 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	5078.66	42.29	54.00	-11.71	V	Avg.	Pass	-	Band Edge
	802.11a	36	10360.00	49.38	68.20	-18.82	V	Peak	Pass	-	Harmonic
2	802.11a	44	5085.36	42.67	54.00	-11.33	H	Avg.	Pass	-	Band Edge
	802.11a	44	15660.00	38.82	54.00	-15.18	V	Avg.	Pass	-	Harmonic
3	802.11a	48	5012.96	42.45	54.00	-11.55	V	Avg.	Pass	-	Band Edge
	802.11a	48	10480.00	48.22	68.20	-19.98	V	Peak	Pass	-	Harmonic
4	802.11n HT20	36	5000.36	42.22	54.00	-11.78	V	Avg.	Pass	-	Band Edge
	802.11n HT20	36	15540.00	39.34	54.00	-14.66	V	Avg.	Pass	-	Harmonic
5	802.11n HT20	44	5053.24	42.52	54.00	-11.48	H	Avg.	Pass	-	Band Edge
	802.11n HT20	44	15660.00	39.13	54.00	-14.87	V	Avg.	Pass	-	Harmonic
6	802.11n HT20	48	5003.12	42.73	54.00	-11.27	H	Avg.	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11n HT20	48	15720.00	40.16	54.00	-13.84	V	Avg.	Pass	-	Harmonic
7	802.11ax HE20	36	5081.54	42.21	54.00	-11.79	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	36	10360.00	48.85	68.20	-19.35	V	Peak	Pass	Full RU	Harmonic
8	802.11ax HE20	44	5001.76	42.74	54.00	-11.26	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	44	15660.00	38.91	54.00	-15.09	V	Avg.	Pass	Full RU	Harmonic
9	802.11ax HE20	48	5006.00	42.77	54.00	-11.23	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	48	15720.00	38.63	54.00	-15.37	H	Avg.	Pass	Full RU	Harmonic
10	802.11ax HE20	36	5038.88	42.82	54.00	-11.18	V	Avg.	Pass	26/0 RU	Band Edge
	802.11ax HE20	36	10360.00	45.75	68.20	-22.45	V	Peak	Pass	26/0 RU	Harmonic
11	802.11ax HE20	44	5007.04	42.52	54.00	-11.48	H	Avg.	Pass	26/4 RU	Band Edge
	802.11ax HE20	44	10440.00	46.09	68.20	-22.11	V	Peak	Pass	26/4 RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11ax HE20	48	5003.36	42.51	54.00	-11.49	V	Avg.	Pass	26/8 RU	Band Edge
	802.11ax HE20	48	10480.00	45.92	68.20	-22.28	V	Peak	Pass	26/8 RU	Harmonic
13	802.11ax HE20	36	5006.48	42.71	54.00	-11.29	H	Avg.	Pass	52/37 RU	Band Edge
	802.11ax HE20	36	10360.00	46.20	68.20	-22.00	H	Peak	Pass	52/37 RU	Harmonic
14	802.11ax HE20	44	5050.60	42.71	54.00	-11.29	V	Avg.	Pass	52/38 RU	Band Edge
	802.11ax HE20	44	10440.00	45.64	68.20	-22.56	V	Peak	Pass	52/38 RU	Harmonic
15	802.11ax HE20	48	5042.72	42.71	54.00	-11.29	H	Avg.	Pass	52/40 RU	Band Edge
	802.11ax HE20	48	10480.00	45.96	68.20	-22.24	V	Peak	Pass	52/40 RU	Harmonic
16	802.11ax HE20	36	5011.70	42.59	54.00	-11.41	H	Avg.	Pass	106/53 RU	Band Edge
	802.11ax HE20	36	10360.00	45.12	68.20	-23.08	V	Peak	Pass	106/53 RU	Harmonic
17	802.11ax HE20	44	5075.02	42.69	54.00	-11.31	H	Avg.	Pass	106/53 RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
17	802.11ax HE20	44	10440.00	45.32	68.20	-22.88	V	Peak	Pass	106/53 RU	Harmonic
18	802.11ax HE20	48	5017.28	42.63	54.00	-11.37	H	Avg.	Pass	106/54 RU	Band Edge
	802.11ax HE20	48	15720.00	37.59	54.00	-16.41	H	Avg.	Pass	106/54 RU	Harmonic
19	802.11a	52	5010.66	42.67	54.00	-11.33	V	Avg.	Pass	-	Band Edge
	802.11a	52	10520.00	47.64	68.20	-20.56	V	Peak	Pass	-	Harmonic
20	802.11a	60	5017.70	42.68	54.00	-11.32	H	Avg.	Pass	-	Band Edge
	802.11a	60	10600.00	44.26	54.00	-9.74	V	Avg.	Pass	-	Harmonic
21	802.11a	64	5458.04	40.96	54.00	-13.04	V	Avg.	Pass	-	Band Edge
	802.11a	64	7093.33	48.88	68.20	-19.32	V	Peak	Pass	-	Harmonic
22	802.11n HT20	52	5024.18	42.68	54.00	-11.32	H	Avg.	Pass	-	Band Edge
	802.11n HT20	52	15780.00	39.95	54.00	-14.05	V	Avg.	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
23	802.11n HT20	60	5016.50	42.72	54.00	-11.28	V	Avg.	Pass	-	Band Edge
	802.11n HT20	60	15900.00	39.06	54.00	-14.94	V	Avg.	Pass	-	Harmonic
24	802.11n HT20	64	5455.80	40.89	54.00	-13.11	H	Avg.	Pass	-	Band Edge
	802.11n HT20	64	15960.00	38.96	54.00	-15.04	V	Avg.	Pass	-	Harmonic
25	802.11ax HE20	52	5025.48	42.56	54.00	-11.44	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	52	15780.00	39.37	54.00	-14.63	H	Avg.	Pass	Full RU	Harmonic
26	802.11ax HE20	60	5029.70	42.76	54.00	-11.24	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	60	15900.00	39.01	54.00	-14.99	V	Avg.	Pass	Full RU	Harmonic
27	802.11ax HE20	64	5459.72	41.13	54.00	-12.87	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	64	15960.00	38.92	54.00	-15.08	V	Avg.	Pass	Full RU	Harmonic
28	802.11ax HE20	52	5051.48	42.69	54.00	-11.31	V	Avg.	Pass	26/0 RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
28	802.11ax HE20	52	7013.33	53.41	68.20	-14.79	V	Peak	Pass	26/0 RU	Harmonic
29	802.11ax HE20	60	5054.90	42.53	54.00	-11.47	V	Avg.	Pass	26/4 RU	Band Edge
	802.11ax HE20	60	10600.00	44.96	54.00	-9.04	V	Avg.	Pass	26/4 RU	Harmonic
30	802.11ax HE20	64	5459.02	40.75	54.00	-13.25	H	Avg.	Pass	26/8 RU	Band Edge
	802.11ax HE20	64	7093.33	53.23	68.20	-14.97	V	Peak	Pass	26/8 RU	Harmonic
31	802.11ax HE20	52	5002.34	42.67	54.00	-11.33	V	Avg.	Pass	52/37 RU	Band Edge
	802.11ax HE20	52	7013.33	53.78	68.20	-14.42	V	Peak	Pass	52/37 RU	Harmonic
32	802.11ax HE20	60	5015.60	42.93	54.00	-11.07	V	Avg.	Pass	52/38 RU	Band Edge
	802.11ax HE20	60	7066.67	52.30	68.20	-15.90	V	Peak	Pass	52/38 RU	Harmonic
33	802.11ax HE20	64	5456.92	40.85	54.00	-13.15	V	Avg.	Pass	52/40 RU	Band Edge
	802.11ax HE20	64	7093.33	51.87	68.20	-16.33	V	Peak	Pass	52/40 RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
34	802.11ax HE20	52	5052.78	42.83	54.00	-11.17	V	Avg.	Pass	106/53 RU	Band Edge
	802.11ax HE20	52	7013.33	53.47	68.20	-14.73	V	Peak	Pass	106/53 RU	Harmonic
35	802.11ax HE20	60	5014.10	42.67	54.00	-11.33	V	Avg.	Pass	106/53 RU	Band Edge
	802.11ax HE20	60	7066.67	52.20	68.20	-16.00	V	Peak	Pass	106/53 RU	Harmonic
36	802.11ax HE20	64	5458.74	41.20	54.00	-12.80	V	Avg.	Pass	106/54 RU	Band Edge
	802.11ax HE20	64	7093.33	52.24	68.20	-15.96	V	Peak	Pass	106/54 RU	Harmonic
37	802.11a	100	5457.40	41.22	54.00	-12.78	H	Avg.	Pass	-	Band Edge
	802.11a	100	7333.00	49.74	54.00	-4.26	V	Avg.	Pass	-	Harmonic
38	802.11a	116	5457.41	41.17	54.00	-12.83	H	Avg.	Pass	-	Band Edge
	802.11a	116	7440.00	47.87	54.00	-6.13	V	Avg.	Pass	-	Harmonic
39	802.11a	140	5763.12	51.97	68.20	-16.23	V	Peak	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
39	802.11a	140	7600.00	46.12	54.00	-7.88	V	Avg.	Pass	-	Harmonic
40	802.11n HT20	100	5437.60	41.15	54.00	-12.85	V	Avg.	Pass	-	Band Edge
	802.11n HT20	100	7333.33	49.84	54.00	-4.16	V	Avg.	Pass	-	Harmonic
41	802.11n HT20	116	5452.12	41.14	54.00	-12.86	V	Avg.	Pass	-	Band Edge
	802.11n HT20	116	7440.00	48.55	54.00	-5.45	V	Avg.	Pass	-	Harmonic
42	802.11n HT20	140	5755.90	51.90	68.20	-16.30	V	Peak	Pass	-	Band Edge
	802.11n HT20	140	7600.00	47.11	54.00	-6.89	V	Avg.	Pass	-	Harmonic
43	802.11ax HE20	100	5458.45	41.45	54.00	-12.55	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	100	7333.33	48.69	54.00	-5.31	V	Avg.	Pass	Full RU	Harmonic
44	802.11ax HE20	116	5457.41	41.19	54.00	-12.81	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	116	7440.00	47.98	54.00	-6.02	V	Avg.	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
45	802.11ax HE20	140	5749.73	50.97	68.20	-17.23	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	140	7600.00	47.90	54.00	-6.10	V	Avg.	Pass	Full RU	Harmonic
46	802.11ax HE20	100	5449.30	40.83	54.00	-13.17	H	Avg.	Pass	26/0 RU	Band Edge
	802.11ax HE20	100	7333.33	49.31	54.00	-4.69	V	Avg.	Pass	26/0 RU	Harmonic
47	802.11ax HE20	116	5454.65	40.90	54.00	-13.10	H	Avg.	Pass	26/4 RU	Band Edge
	802.11ax HE20	116	7440.00	48.04	54.00	-5.96	V	Avg.	Pass	26/4 RU	Harmonic
48	802.11ax HE20	140	5760.71	52.05	68.20	-16.15	V	Peak	Pass	26/8 RU	Band Edge
	802.11ax HE20	140	7600.00	48.21	54.00	-5.79	V	Avg.	Pass	26/8 RU	Harmonic
49	802.11ax HE20	100	5450.20	40.89	54.00	-13.11	V	Avg.	Pass	52/37 RU	Band Edge
	802.11ax HE20	100	7333.33	45.42	54.00	-8.58	V	Avg.	Pass	52/37 RU	Harmonic
50	802.11ax HE20	116	5457.87	41.04	54.00	-12.96	H	Avg.	Pass	52/38 RU	Band Edge