



FCC RADIO TEST REPORT

FCC ID : U8G-P1AX11
Equipment : PEPWAVE / peplink Wireless Product
Brand Name : PEPWAVE / peplink
Model Name : MAX Transit Pro
MAX Transit Pro LTEA
MAX-TST-PRO-DUO-LTEA-US-T-PRM
MAX-TST-PRO-DUO-LTEA-R-T-PRM
Applicant : PISMO LABS TECHNOLOGY LIMITED
A8, 5/F, HK Spinners Industrial Building,
Phase 6, 481 Castle Peak Road, Cheung
Sha Wan, Hong Kong
Manufacturer : PISMO LABS TECHNOLOGY LIMITED
A8, 5/F, HK Spinners Industrial Building,
Phase 6, 481 Castle Peak Road, Cheung
Sha Wan, Hong Kong
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jan. 18, 2022 and testing was performed from Feb. 19, 2022 to Jun. 15, 2022. 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

Sporton International Inc. Wensan Laboratory

No. 58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issue Date
FR211326B	01	Initial issue of report	Jun. 24, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
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	2.14 dB under the limit at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	13.92 dB under the limit at 0.661 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to this report "Uncertainty of Evaluation".

Comments and Explanations:

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

Reviewed by: Lewis Ho

Report Producer: Cindy Liu



1 General Description

1.1 Product Feature of Equipment Under Test

WCDMA/LTE, Wi-Fi 2.4GHz 802.11b/g/n/ac/ax, WiFi 5GHz 802.11a/n/ac/ax, and GPS

Product Feature		
Integrated WWAN Module 1	Brand Name: Sierra Model Name: EM7411 FCC ID: N7NEM74B	
Integrated WWAN Module 2	Brand Name: Sierra Model Name: EM7511 FCC ID: N7NEM75S	
Sample 1	MAX-TST-PRO-DUO-LTEA-US-T-PRM with WWAN Module 1 (EM7411)	
Sample 2	MAX-TST-PRO-DUO-LTEA-R-T-PRM with WWAN Module 2 (EM7511)	
Antenna Type	WWAN <For EM7511>: Omni-directional Antenna <For EM7411>: Omni-directional Antenna WLAN <Ant. 1>: Omni-directional Antenna <Ant. 2>: Omni-directional Antenna GPS: Directional Antenna	
Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 4.1 Ant. 2: 4.1

Remark: The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations 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. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	Sporton Site No. CO05-HY (TAF Code: 1190)
Remark	The AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory

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

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, 03CH15-HY

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

FCC designation No.: TW1190 and 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.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ 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 two config (Ant. Degree 0 and Ant. Degree 90), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Ant. Degree 90 as worst plane.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "[#]" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The CDD mode is chosen as worst case configuration for all test cases due to higher power than SISO mode.

The 802.11n/ac mode has no higher power and PSD than 802.11ax mode, thus the 802.11ax mode is chosen as main test configuration, and the 802.11n/ac mode is verified the power.

The final test modes consider the modulation and the worst data rates as shown in the table below.

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + LAN Link + WAN Link + Type C (Port 1) Cable with Adapter for Sample 1 Mode 2 : WLAN (5GHz) Link + LAN Link + WAN Link + Type C (Port 1) Cable with Adapter for Sample 2
Remark: The worst case of Conducted Emission is mode 2; only the test data of it was reported.	

<Sample 1>

Ch. #		Band I : 5150-5250 MHz	
		802.11a	802.11ax HE20
L	Low	36	36
M	Middle	44	44
H	High	48	48

Ch. #		Band I : 5150-5250 MHz	
		802.11ax HE40	802.11ax HE80
L	Low	38	-
M	Middle	-	42
H	High	46	-

<Sample 2>

Ch. #		Band I : 5150-5250 MHz	
		802.11ax HE40	
L	Low	38	
M	Middle	-	
H	High	-	

Remark:

1. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.
2. Since the product supports Client and Indoor AP, the test is evaluated to meet the Client and Indoor AP Limit respectively. Unwanted Emissions uses the Indoor AP Limit test.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	USB 3.1 Cable	Pismo	E119932-Y	N/A	N/A	N/A
3.	Adapter	BILLION	DCTPD65WZZ-B1	FCC DoC	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QSPR Version 5.0-00202" 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.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

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.

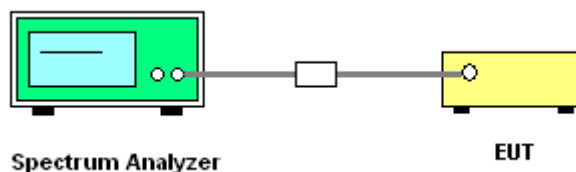
3.1.2 Measuring Instruments

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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

3.1.4 Test Setup



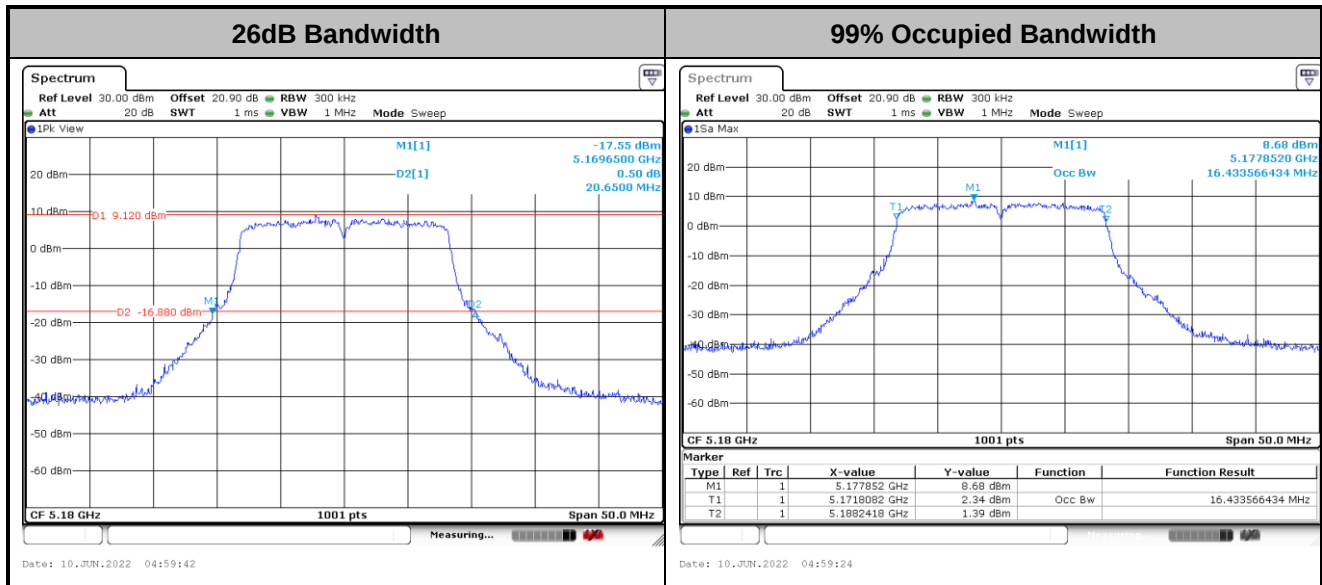
3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



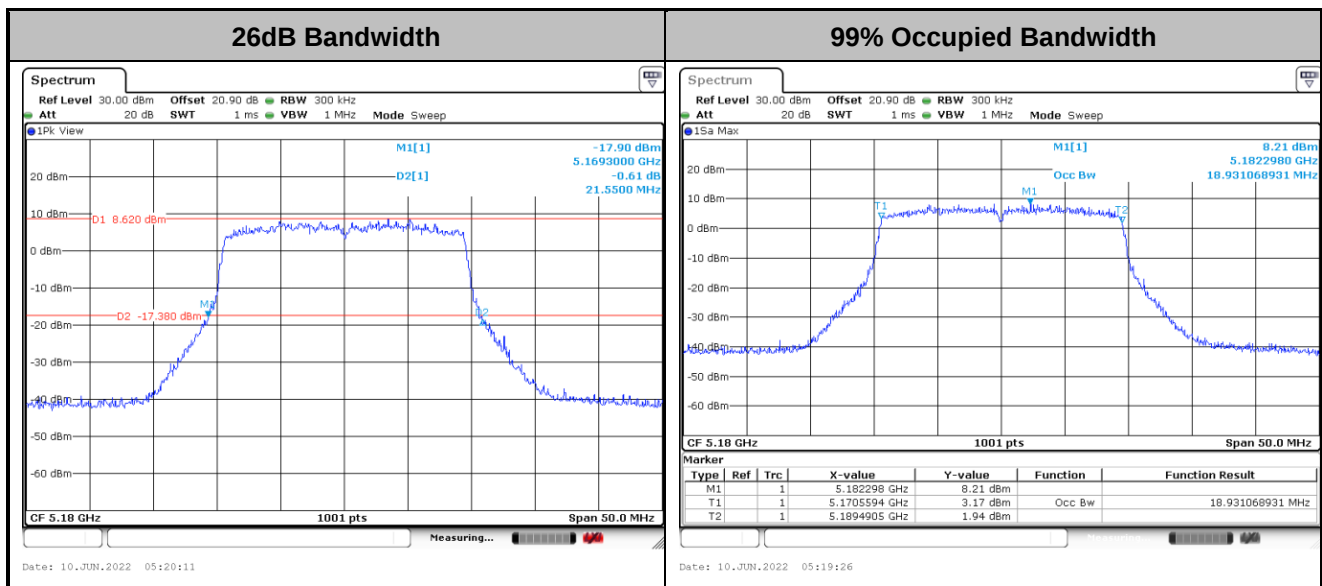
<AP Mode>

<802.11a>



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

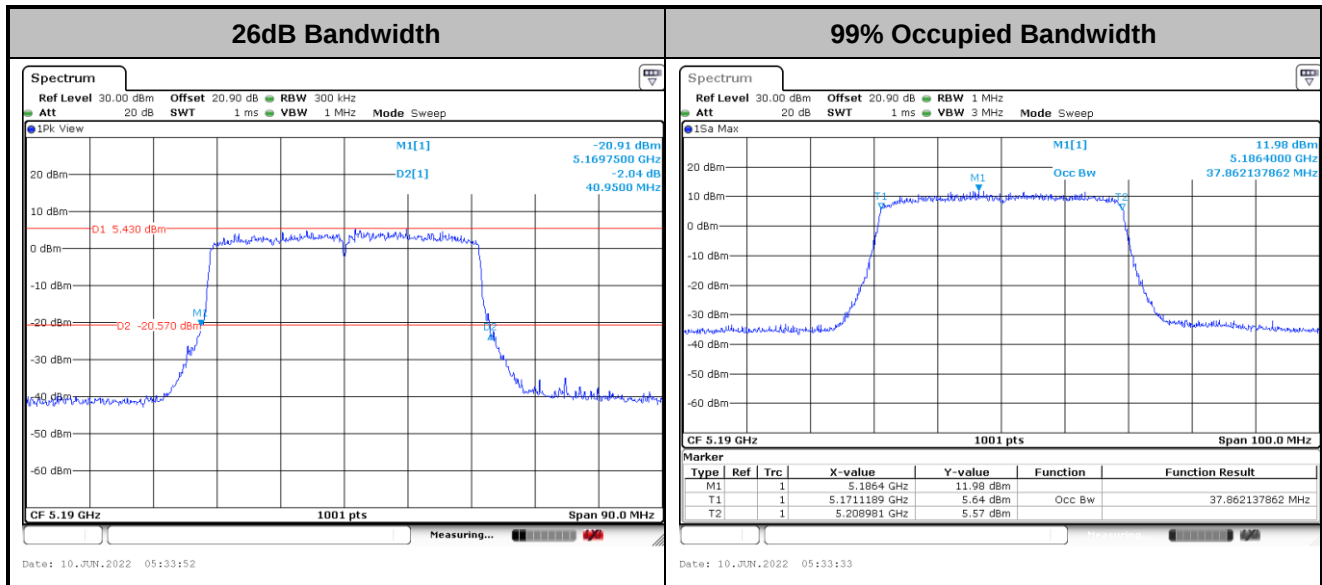
<802.11ax HE20>



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

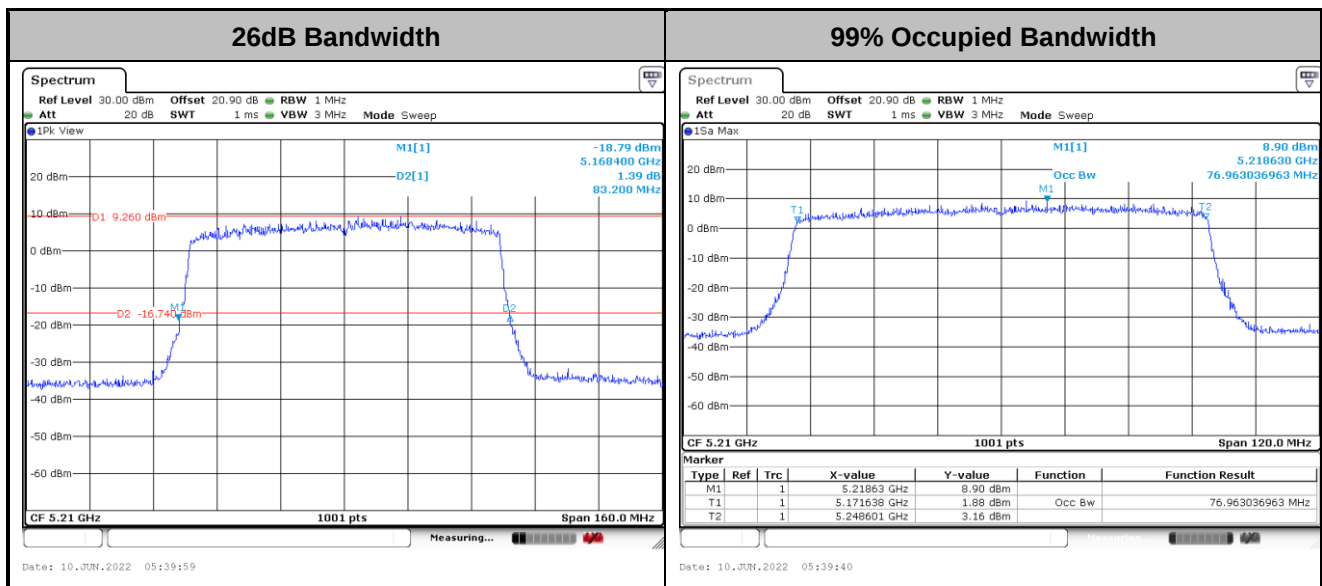


<802.11ax HE40>



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

<802.11ax HE80>

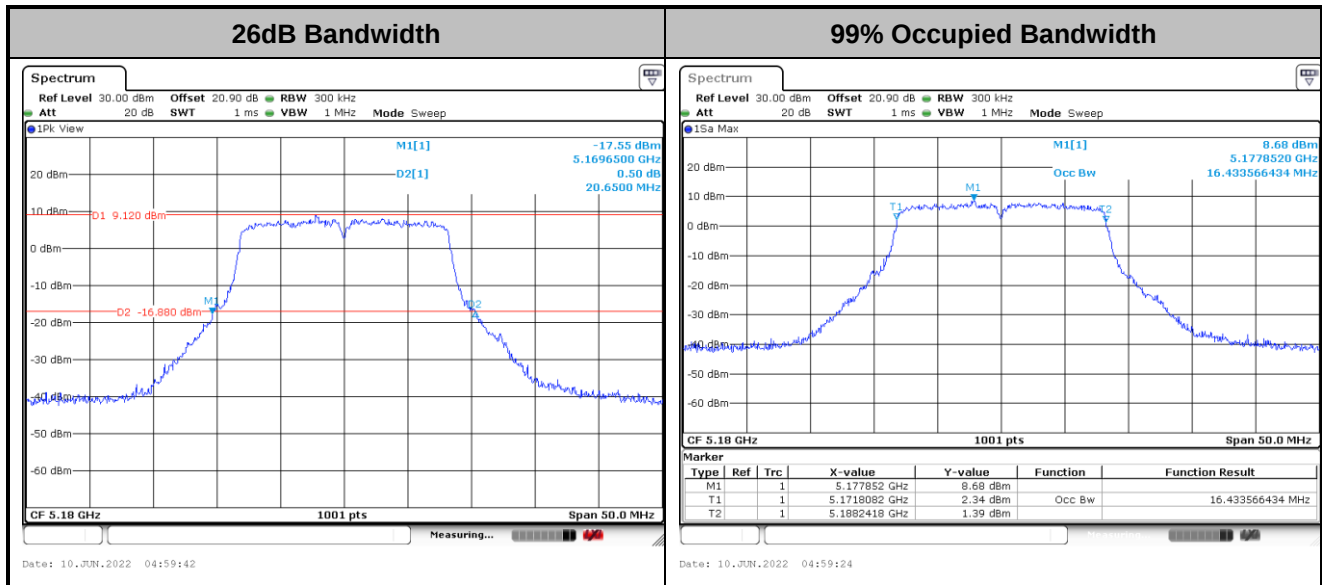


Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.



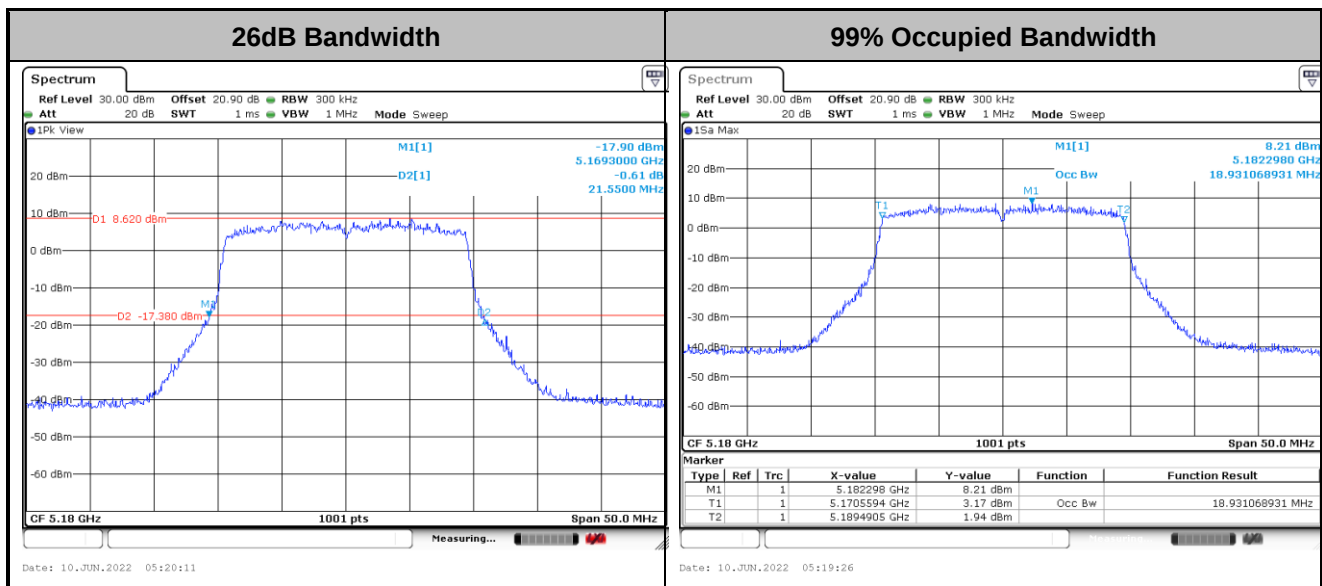
<Client Mode>

<802.11a>



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

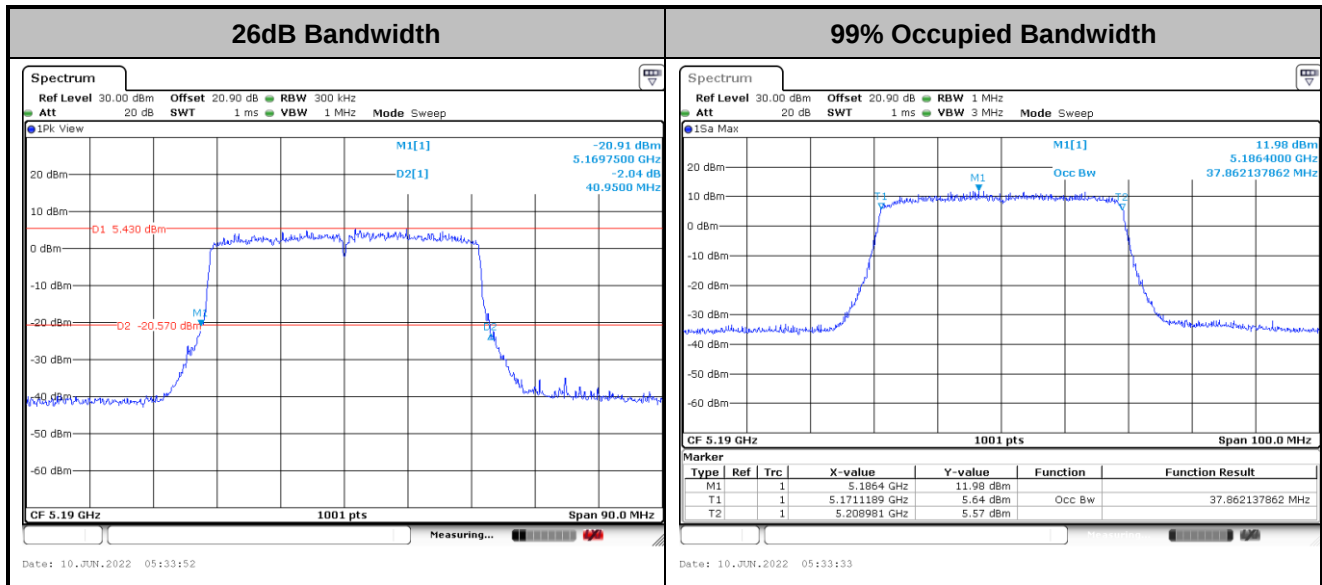
<802.11ax HE20>



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

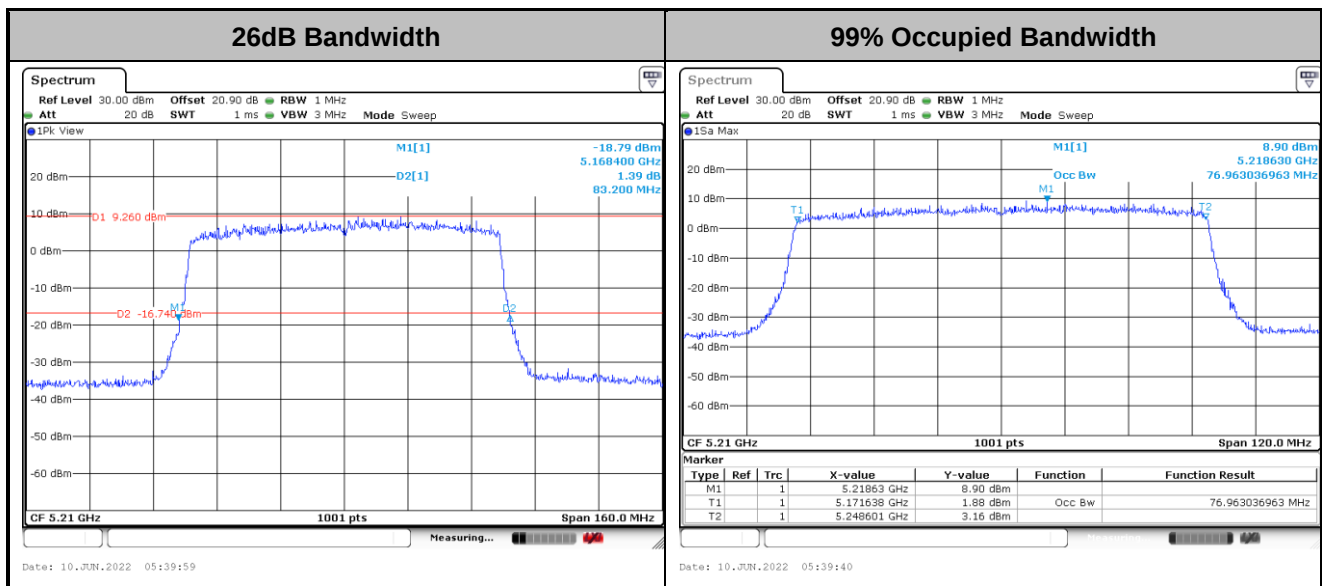


<802.11ax HE40>



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

<802.11ax HE80>



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



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.

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

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

3.2.2 Measuring Instruments

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

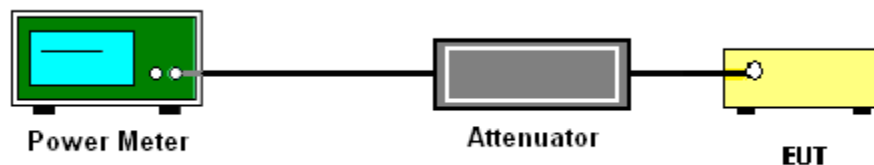
3.2.3 Test Procedures

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

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

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

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.

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-3

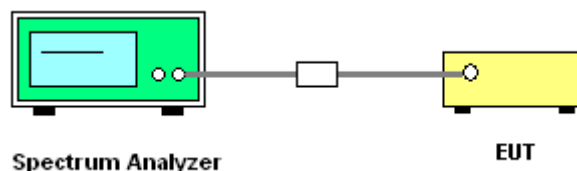
(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ 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.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
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 PSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

3.3.4 Test Setup



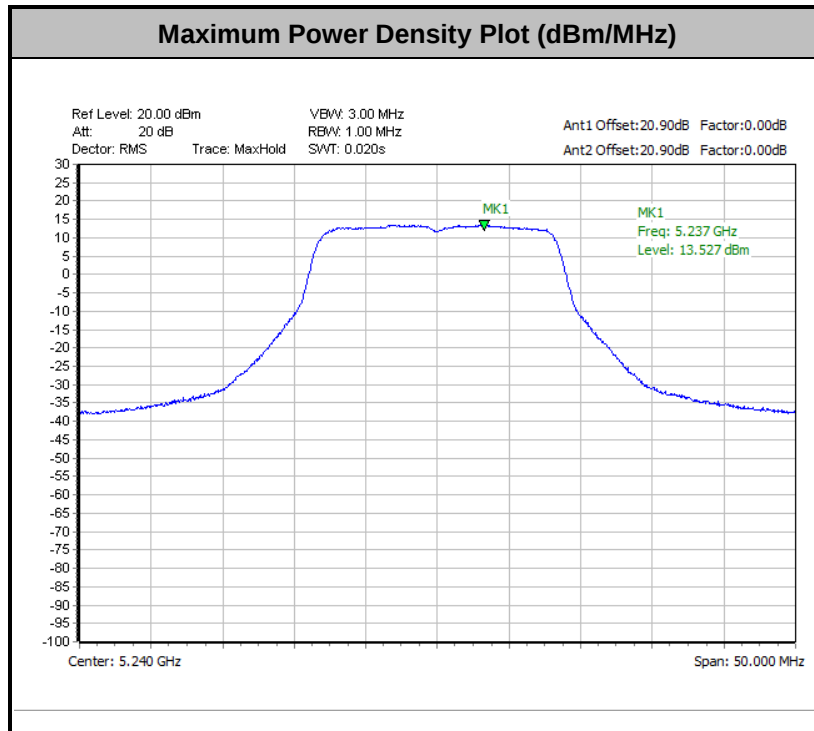
3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

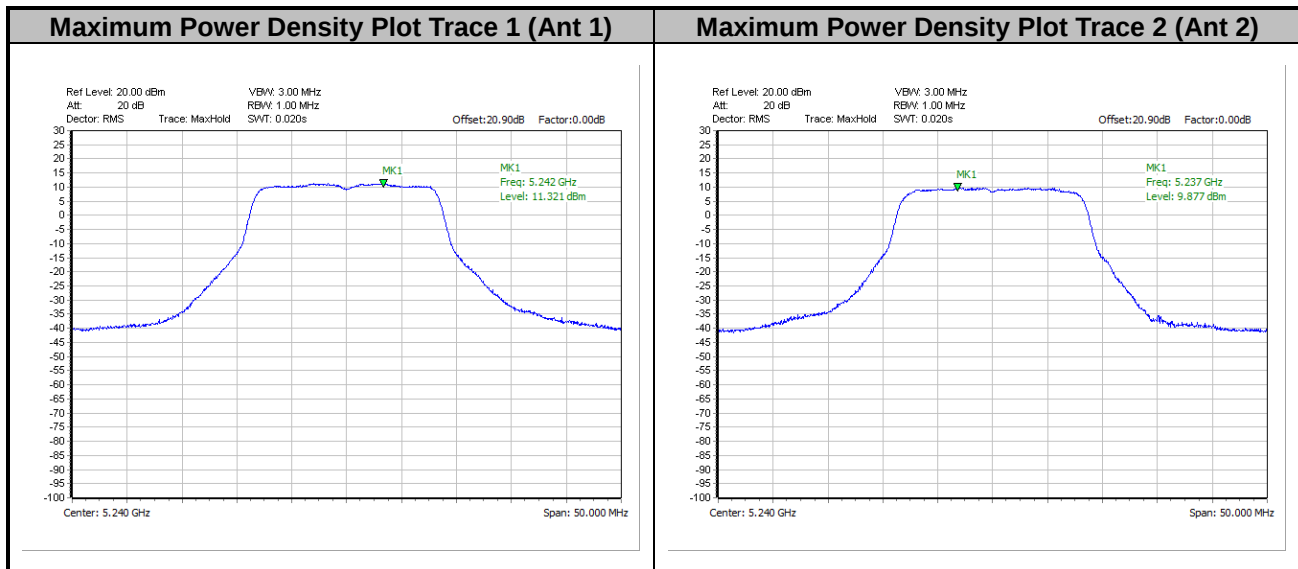


<AP Mode>

<802.11a Mode>

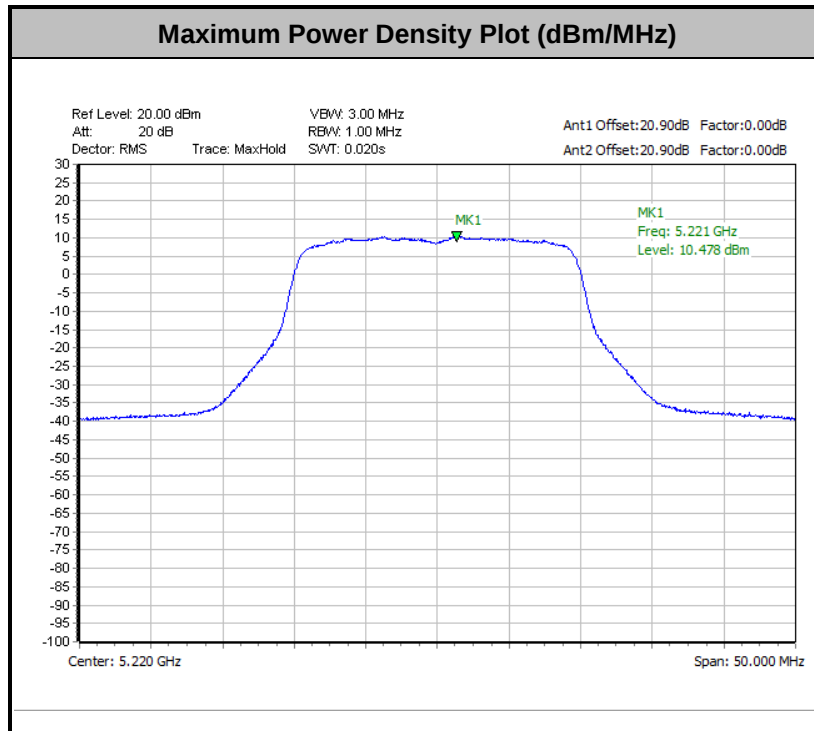


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

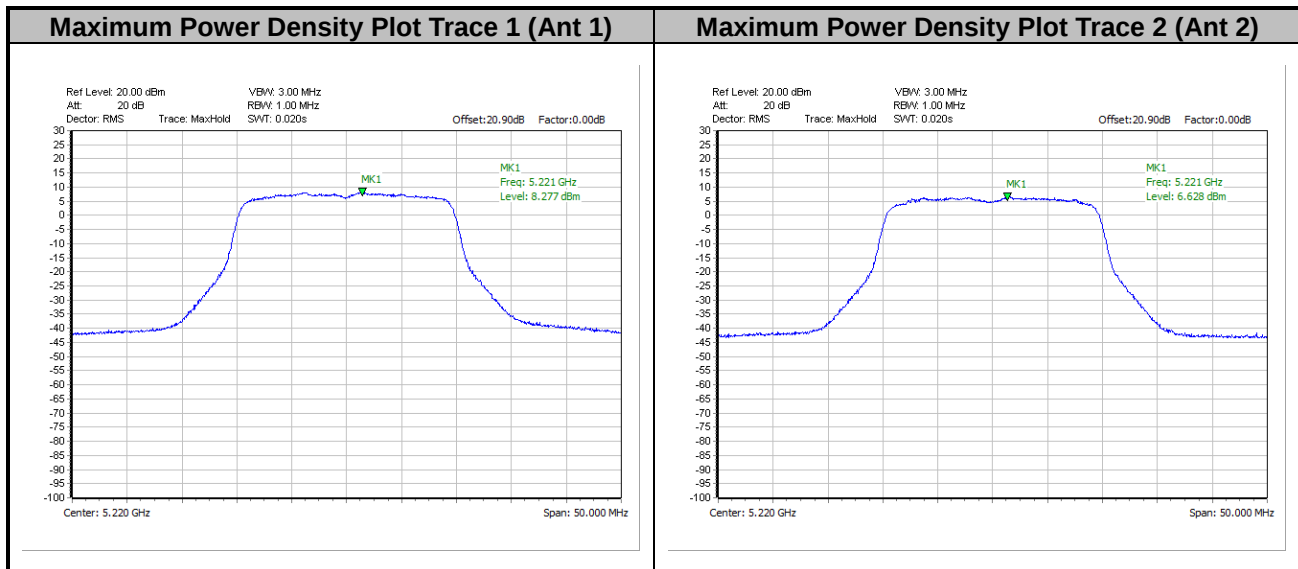




<802.11ax Mode>



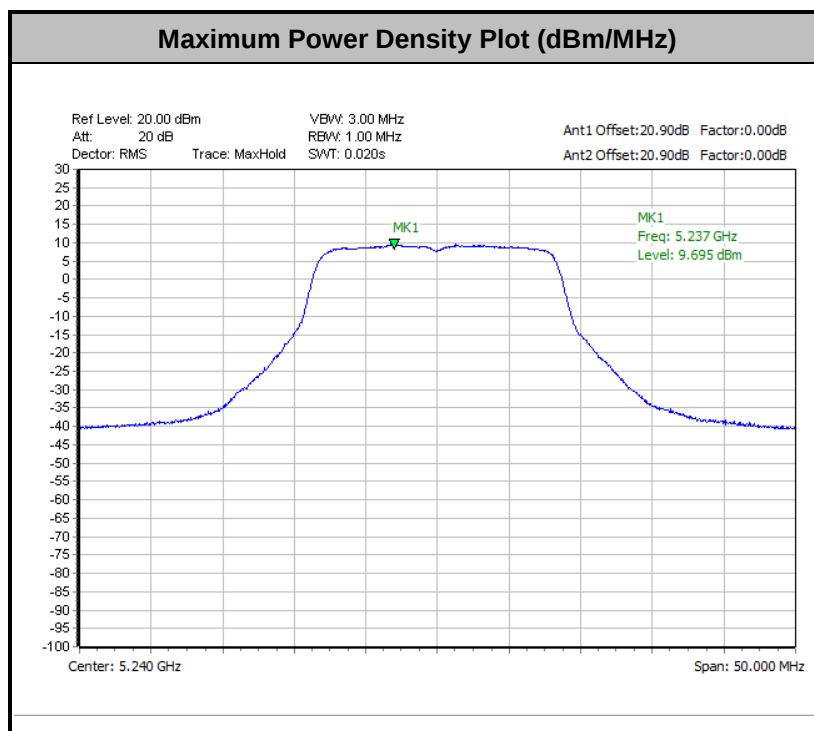
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.



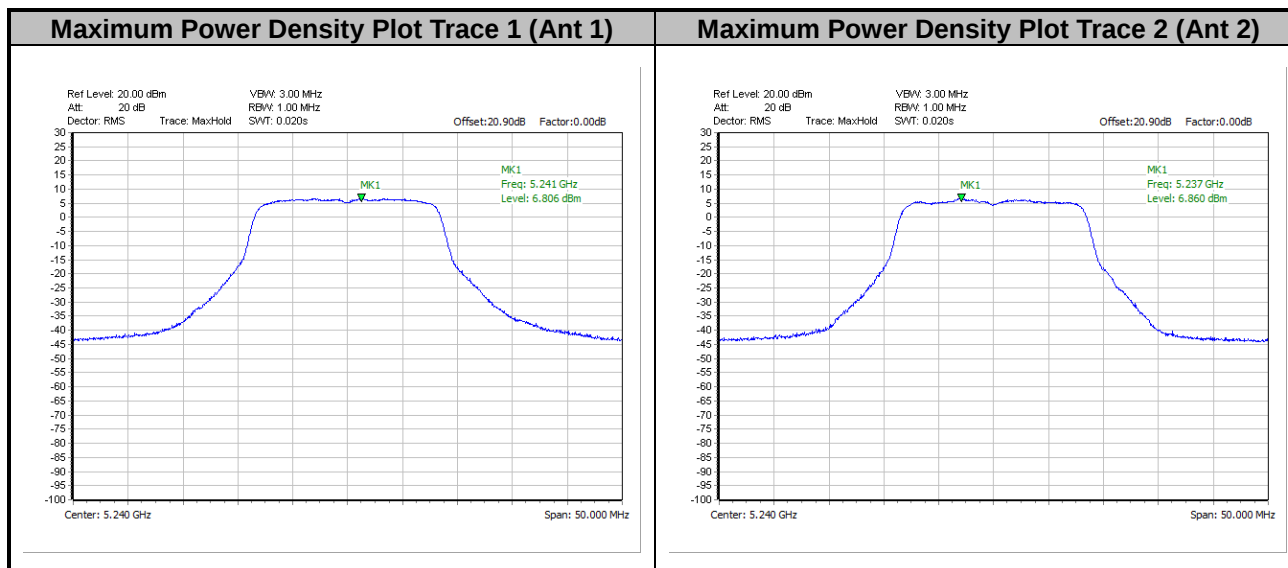


<Client Mode>

<802.11a Mode>

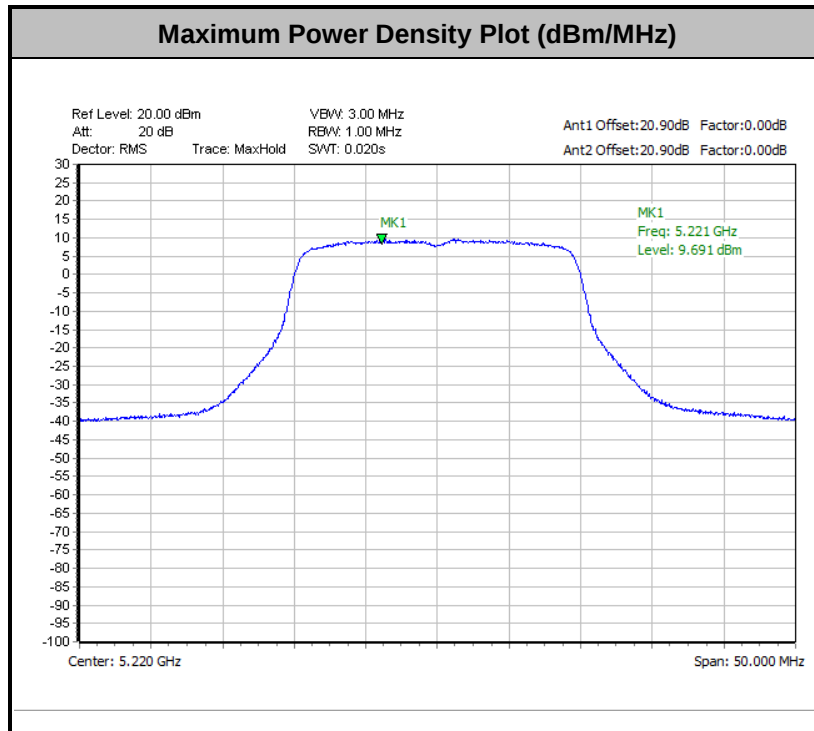


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

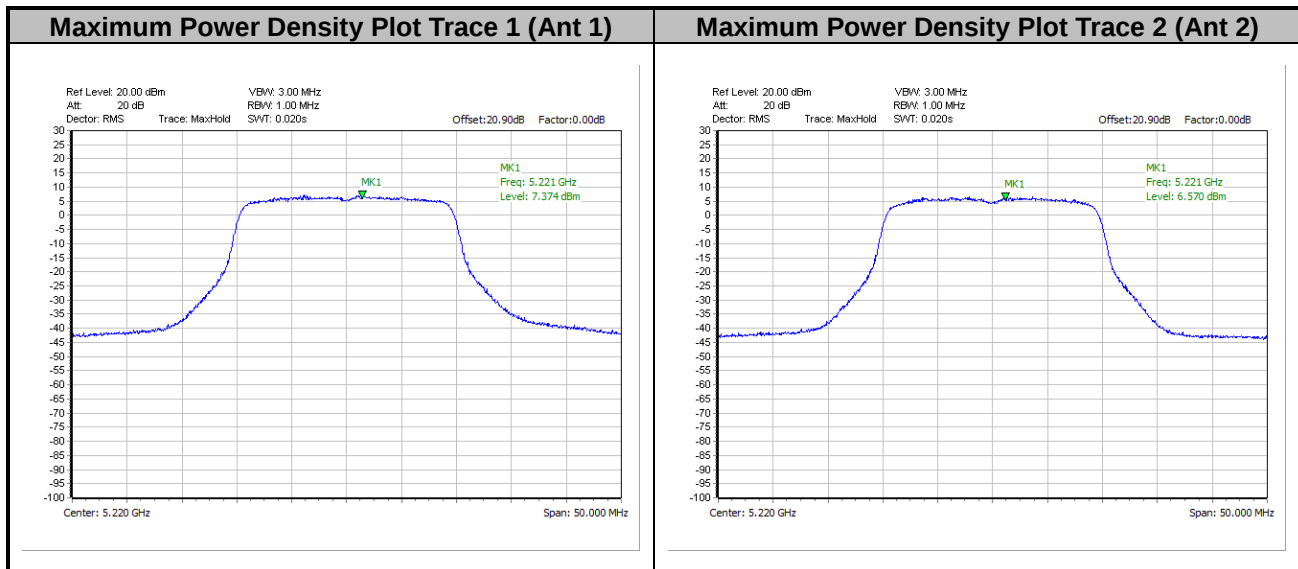




<802.11ax Mode>



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



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.
- (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.

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

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

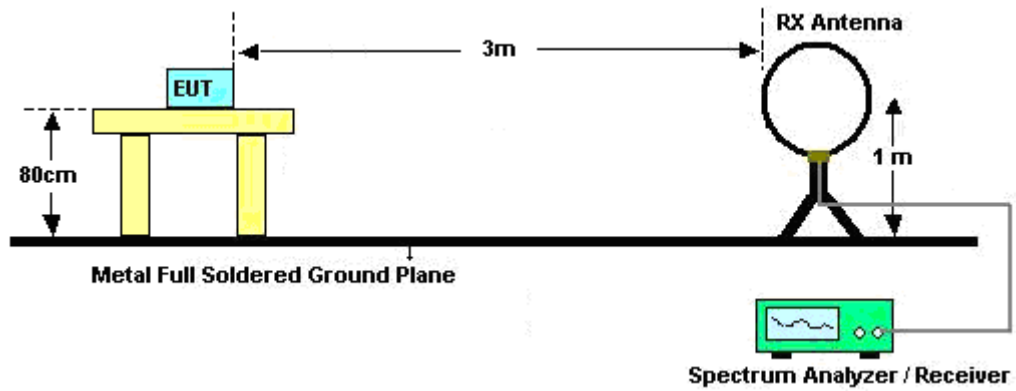
Please refer to the measuring equipment list in this test report.

3.4.3 Test Procedures

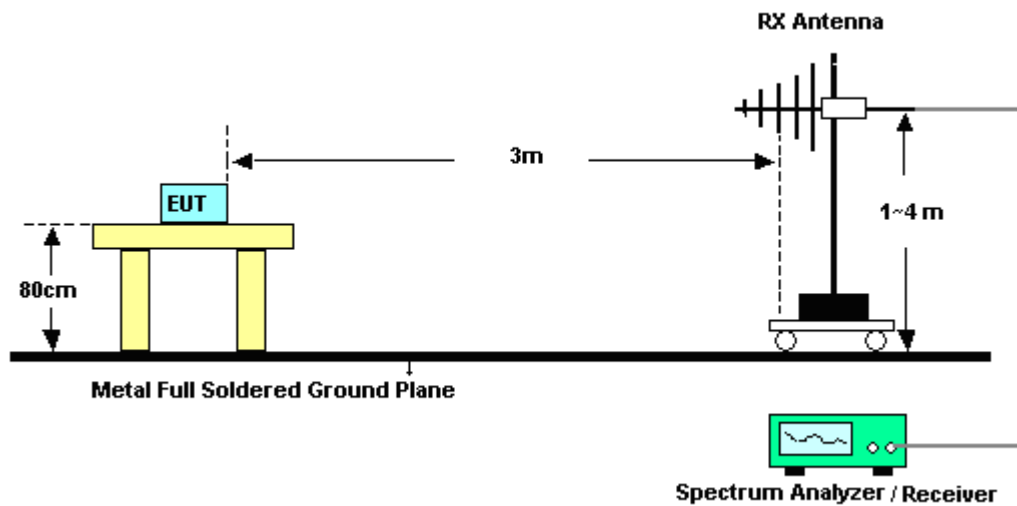
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 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 $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

3.4.4 Test Setup

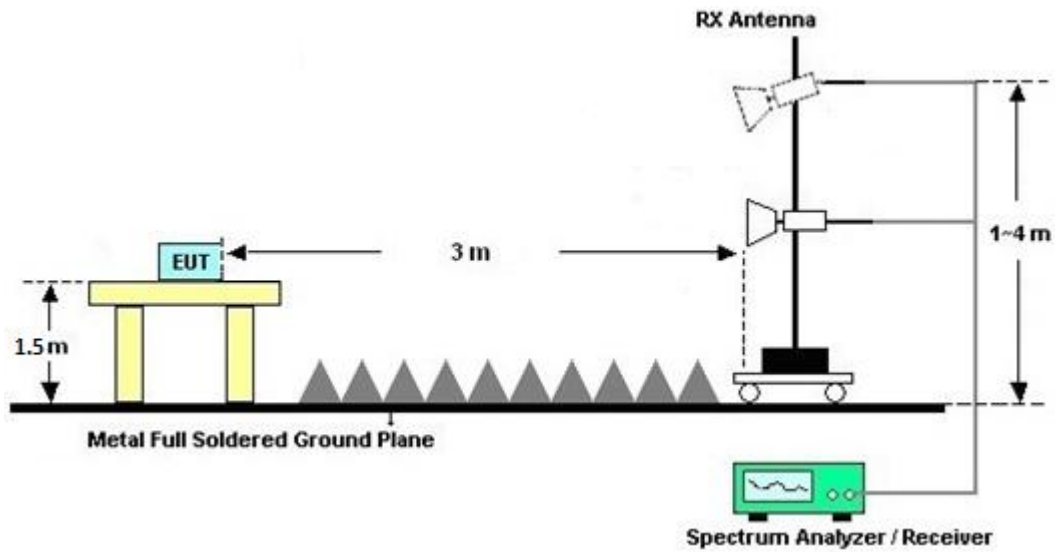
For radiated emissions below 30MHz



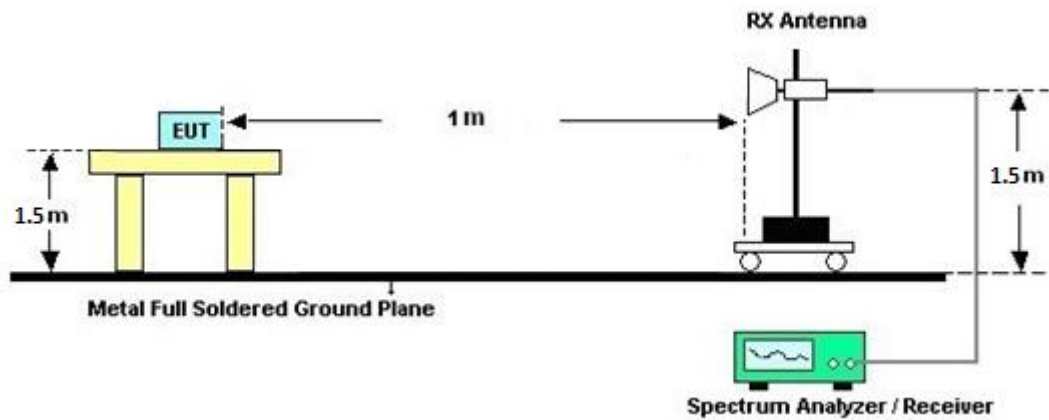
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

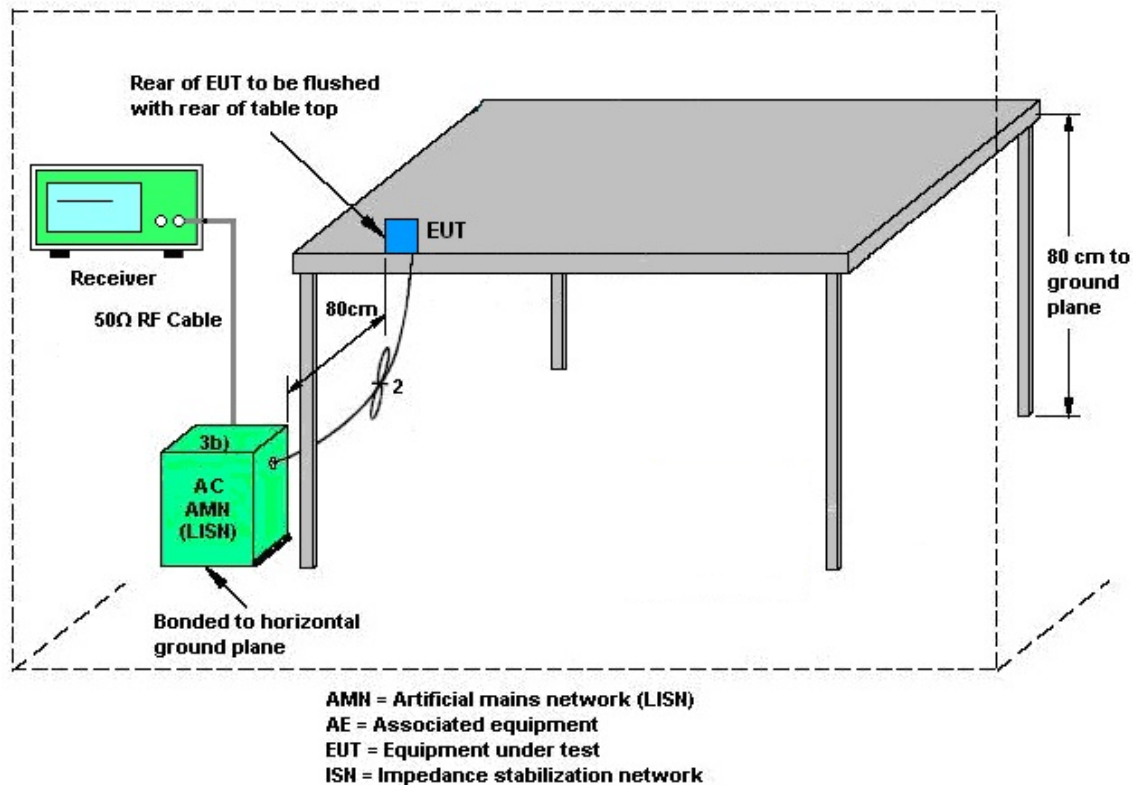
3.5.2 Measuring Instruments

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



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

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

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

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

<CDD Modes>						
			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant. 1	Ant. 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	4.10	4.10	4.10	7.11	0.00	1.11

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 09, 2021	Apr. 30, 2022~ Jun. 10, 2022	Sep. 08, 2022	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Apr. 30, 2022~ Jun. 10, 2022	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Apr. 30, 2022~ Jun. 10, 2022	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02038	1GHz~18GHz	Aug. 04, 2021	Apr. 30, 2022~ Jun. 10, 2022	Aug. 03, 2022	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA9170251	18GHz~40GHz	Nov. 30, 2021	Apr. 30, 2022~ Jun. 10, 2022	Nov. 29, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	171000180005 5006	1GHz~18GHz	May 06, 2021	Apr. 30, 2022~ May 04, 2022	May 05, 2022	Radiation (03CH15-HY)
Preamplifier	Jet-Power	JPA0118-55-303	171000180005 5006	1GHz~18GHz	May 05, 2022	May 05, 2022~ Jun. 10, 2022	May 04, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz~18GHz	Dec. 16, 2021	Apr. 30, 2022~ Jun. 10, 2022	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 22, 2021	Apr. 30, 2022~ Jun. 10, 2022	Jun. 21, 2022	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 21, 2021	Apr. 30, 2022~ Jun. 10, 2022	Oct. 20, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Agilent	E4446A	MY50180136	3Hz~44GHz	May 07, 2021	Apr. 30, 2022~ May 05, 2022	May 06, 2022	Radiation (03CH15-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200485	10Hz~44GHz	Mar. 07, 2022	May 06, 2022~ Jun. 10, 2022	Mar. 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 30, 2022~ Jun. 10, 2022	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 30, 2022~ Jun. 10, 2022	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Apr. 30, 2022~ Jun. 10, 2022	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE,5 08405/2E	30MHz~18G	Nov. 15, 2021	Apr. 30, 2022~ May 11, 2022	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY9838/4PE,5 08405/2E,5821 85/4	30MHz~18G	May 12, 2022	May 12, 2022~ Jun. 10, 2022	May 11, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,8040 12/2	30MHz~40GHz	Jan. 04, 2022	Apr. 30, 2022~ Jun. 10, 2022	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Apr. 30, 2022~ Jun. 10, 2022	Mar. 09, 2023	Radiation (03CH15-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 19, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Feb. 19, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Feb. 19, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Feb. 19, 2022	Dec. 02, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Feb. 19, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Feb. 19, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Feb. 19, 2022	Dec. 29, 2022	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Mar. 17, 2022~ Jun. 15, 2022	Nov. 15, 2022	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Mar. 17, 2022~ Jun. 15, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Mar. 17, 2022~ Jun. 15, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Mainframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Mar. 17, 2022~ Jun. 15, 2022	Aug. 11, 2022	Conducted (TH05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.1 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.8 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2022/3/17~2022/6/15	Relative Humidity:	51~54	%

<AP Mode>

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.43	16.43	20.65	20.80	-		22.16		
11a	6Mbps	2	44	5220	16.43	16.43	20.75	20.80	-		22.16		
11a	6Mbps	2	48	5240	16.48	16.38	20.65	20.85	-		22.14		

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.50	16.00	19.27	30.00		4.10		Pass
11a	6Mbps	2	44	5220	20.60	19.60	23.14	30.00		4.10		Pass
11a	6Mbps	2	48	5240	21.10	19.80	23.51	30.00		4.10		Pass
HT20	MCS0	2	36	5180	14.60	13.90	17.27	30.00		4.10		Pass
HT20	MCS0	2	44	5220	18.00	16.60	20.37	30.00		4.10		Pass
HT20	MCS0	2	48	5240	16.80	15.20	19.08	30.00		4.10		Pass
HT40	MCS0	2	38	5190	15.10	14.50	17.82	30.00		4.10		Pass
HT40	MCS0	2	46	5230	18.90	17.90	21.44	30.00		4.10		Pass
VHT20	MCS0	2	36	5180	14.70	14.00	17.37	30.00		4.10		Pass
VHT20	MCS0	2	44	5220	18.10	16.70	20.47	30.00		4.10		Pass
VHT20	MCS0	2	48	5240	16.90	15.30	19.18	30.00		4.10		Pass
VHT40	MCS0	2	38	5190	15.20	14.60	17.92	30.00		4.10		Pass
VHT40	MCS0	2	46	5230	19.00	18.00	21.54	30.00		4.10		Pass
VHT80	MCS0	2	42	5210	15.40	14.60	18.03	30.00		4.10		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180				9.67	15.89	7.11		Pass
11a	6Mbps	2	44	5220				13.09	15.89	7.11		Pass
11a	6Mbps	2	48	5240				13.53	15.89	7.11		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.93	18.98	21.55	22.05	-		22.77			
HE20	MCS0	2	44	5220	Full	18.93	18.98	21.95	22.15	-		22.77			
HE20	MCS0	2	48	5240	Full	18.88	18.93	21.45	21.95	-		22.76			
HE40	MCS0	2	38	5190	Full	37.86	37.96	40.95	41.40	-		23.01			
HE40	MCS0	2	46	5230	Full	37.86	37.86	40.50	40.95	-		23.01			
HE80	MCS0	2	42	5210	Full	76.96	76.96	83.20	82.72	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	14.80	14.10	17.47	30.00		4.10		Pass
HE20	MCS0	2	44	5220	Full	18.20	16.80	20.57	30.00		4.10		Pass
HE20	MCS0	2	48	5240	Full	17.00	15.40	19.28	30.00		4.10		Pass
HE40	MCS0	2	38	5190	Full	15.30	14.70	18.02	30.00		4.10		Pass
HE40	MCS0	2	46	5230	Full	19.10	18.10	21.64	30.00		4.10		Pass
HE80	MCS0	2	42	5210	Full	15.50	14.70	18.13	30.00		4.10		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full			7.85	15.89	7.11			Pass	
HE20	MCS0	2	44	5220	Full			10.48	15.89	7.11			Pass	
HE20	MCS0	2	48	5240	Full			9.63	15.89	7.11			Pass	
HE40	MCS0	2	38	5190	Full			4.78	15.89	7.11			Pass	
HE40	MCS0	2	46	5230	Full			8.33	15.89	7.11			Pass	
HE80	MCS0	2	42	5210	Full			2.25	15.89	7.11			Pass	

<Client Mode>

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.43	16.43	20.65	20.80	-		22.16		
11a	6Mbps	2	44	5220	16.43	16.43	20.85	20.75	-		22.16		
11a	6Mbps	2	48	5240	16.38	16.48	20.95	20.80	-		22.14		

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	16.50	16.00	19.27	24.00		4.10		Pass
11a	6Mbps	2	44	5220	16.70	16.20	19.47	24.00		4.10		Pass
11a	6Mbps	2	48	5240	16.60	16.10	19.37	24.00		4.10		Pass
HT20	MCS0	2	36	5180	14.60	13.90	17.27	24.00		4.10		Pass
HT20	MCS0	2	44	5220	16.70	15.50	19.15	24.00		4.10		Pass
HT20	MCS0	2	48	5240	16.80	15.20	19.08	24.00		4.10		Pass
HT40	MCS0	2	38	5190	15.10	14.50	17.82	24.00		4.10		Pass
HT40	MCS0	2	46	5230	18.90	17.90	21.44	24.00		4.10		Pass
VHT20	MCS0	2	36	5180	14.70	14.00	17.37	24.00		4.10		Pass
VHT20	MCS0	2	44	5220	16.80	15.60	19.25	24.00		4.10		Pass
VHT20	MCS0	2	48	5240	16.90	15.30	19.18	24.00		4.10		Pass
VHT40	MCS0	2	38	5190	15.20	14.60	17.92	24.00		4.10		Pass
VHT40	MCS0	2	46	5230	19.00	18.00	21.54	24.00		4.10		Pass
VHT80	MCS0	2	42	5210	15.40	14.60	18.03	24.00		4.10		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180				9.67	9.89	7.11			Pass
11a	6Mbps	2	44	5220				9.46	9.89	7.11			Pass
11a	6Mbps	2	48	5240				9.70	9.89	7.11			Pass

TEST RESULTS DATA
26dB and 99% OBW

Band I MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	RU Config	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.93	18.98	21.55	22.05	-		22.77			
HE20	MCS0	2	44	5220	Full	18.98	18.88	22.05	22.10	-		22.76			
HE20	MCS0	2	48	5240	Full	18.88	18.93	21.45	21.95	-		22.76			
HE40	MCS0	2	38	5190	Full	37.86	37.96	40.95	41.40	-		23.01			
HE40	MCS0	2	46	5230	Full	37.86	37.86	40.50	40.95	-		23.01			
HE80	MCS0	2	42	5210	Full	76.96	76.96	83.20	82.72	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC Band I MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	36	5180	Full	14.80	14.10	17.47	24.00		4.10		Pass
HE20	MCS0	2	44	5220	Full	16.90	15.70	19.35	24.00		4.10		Pass
HE20	MCS0	2	48	5240	Full	17.00	15.40	19.28	24.00		4.10		Pass
HE40	MCS0	2	38	5190	Full	15.30	14.70	18.02	24.00		4.10		Pass
HE40	MCS0	2	46	5230	Full	19.10	18.10	21.64	24.00		4.10		Pass
HE80	MCS0	2	42	5210	Full	15.50	14.70	18.13	24.00		4.10		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I MIMO														
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full			7.85	9.89	7.11			Pass	
HE20	MCS0	2	44	5220	Full			9.69	9.89	7.11			Pass	
HE20	MCS0	2	48	5240	Full			9.63	9.89	7.11			Pass	
HE40	MCS0	2	38	5190	Full			4.78	9.89	7.11			Pass	
HE40	MCS0	2	46	5230	Full			8.33	9.89	7.11			Pass	
HE80	MCS0	2	42	5210	Full			2.25	9.89	7.11			Pass	



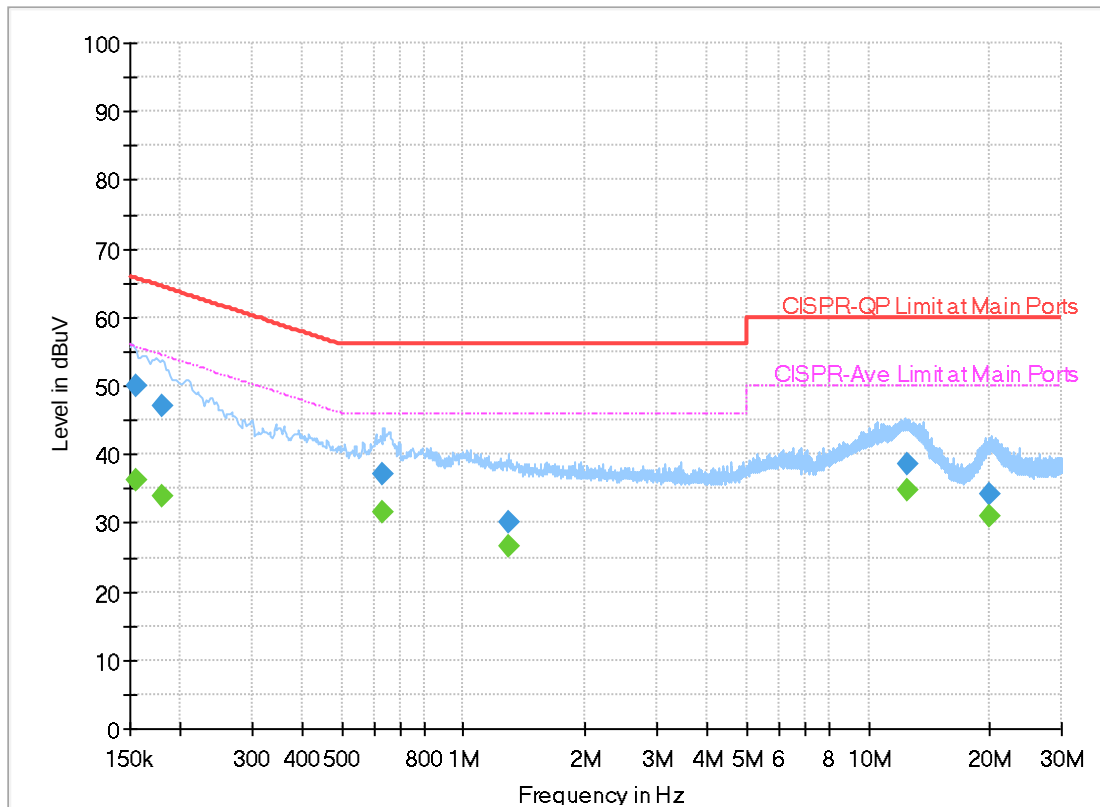
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Calvin Wang	Temperature :	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO : 211326
Test Mode : Mode 2
Test Voltage : 120Vac/60Hz
Phase : Line

Full Spectrum



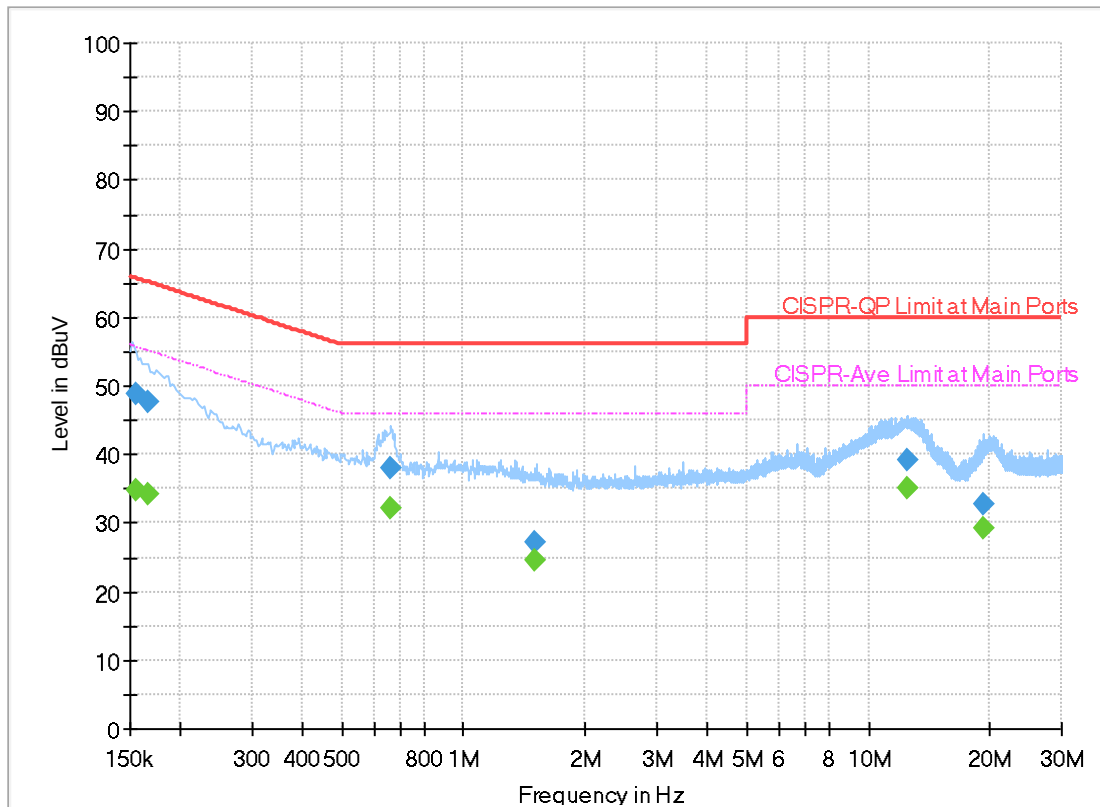
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	50.03	---	65.75	15.72	L1	OFF	19.6
0.154500	---	36.34	55.75	19.41	L1	OFF	19.6
0.179250	46.99	---	64.52	17.53	L1	OFF	19.6
0.179250	---	33.83	54.52	20.69	L1	OFF	19.6
0.633750	37.10	---	56.00	18.90	L1	OFF	19.6
0.633750	---	31.68	46.00	14.32	L1	OFF	19.6
1.288500	30.23	---	56.00	25.77	L1	OFF	19.6
1.288500	---	26.49	46.00	19.51	L1	OFF	19.6
12.462000	38.70	---	60.00	21.30	L1	OFF	20.1
12.462000	---	34.73	50.00	15.27	L1	OFF	20.1
19.968000	34.27	---	60.00	25.73	L1	OFF	20.4
19.968000	---	30.98	50.00	19.02	L1	OFF	20.4

EUT Information

Report NO : 211326
Test Mode : Mode 2
Test Voltage : 120Vac/60Hz
Phase : Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.154500	48.87	---	65.75	16.88	N	OFF	19.6
0.154500	---	34.90	55.75	20.85	N	OFF	19.6
0.165750	47.61	---	65.17	17.56	N	OFF	19.6
0.165750	---	34.20	55.17	20.97	N	OFF	19.6
0.660750	38.09	---	56.00	17.91	N	OFF	19.6
0.660750	---	32.08	46.00	13.92	N	OFF	19.6
1.502250	27.21	---	56.00	28.79	N	OFF	19.6
1.502250	---	24.60	46.00	21.40	N	OFF	19.6
12.486750	39.16	---	60.00	20.84	N	OFF	20.1
12.486750	---	35.19	50.00	14.81	N	OFF	20.1
19.277250	32.74	---	60.00	27.26	N	OFF	20.4
19.277250	---	29.36	50.00	20.64	N	OFF	20.4



Appendix C. Radiated Spurious Emission

Test Engineer :	Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

<Sample 1>

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preampl Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5096.46	47.77	-26.23	74	41.66	33.08	9.94	36.91	150	334	P	H
		5118.82	38.27	-15.73	54	32.19	33.02	9.96	36.9	150	334	A	H
	*	5180	95.71	-	-	89.71	32.84	10.03	36.87	150	334	P	H
	*	5180	87.7	-	-	81.7	32.84	10.03	36.87	150	334	A	H
													H
													H
		5148.46	54.19	-19.81	74	48.17	32.91	10	36.89	198	5	P	V
		5148.2	44.12	-9.88	54	38.1	32.91	10	36.89	198	5	A	V
	*	5180	116.6	-	-	110.6	32.84	10.03	36.87	198	5	P	V
	*	5180	108.3	-	-	102.3	32.84	10.03	36.87	198	5	A	V
													V
802.11a CH 44 5220MHz		5081.12	47.05	-26.95	74	41.05	32.99	9.93	36.92	400	38	P	H
		5094.38	38.14	-15.86	54	32.04	33.07	9.94	36.91	400	38	A	H
	*	5220	99.15	-	-	93.09	32.84	10.07	36.85	400	38	P	H
	*	5220	91.6	-	-	85.54	32.84	10.07	36.85	400	38	A	H
		5445.44	47.21	-26.79	74	41	32.7	10.25	36.74	400	38	P	H
		5458.04	38.12	-15.88	54	31.87	32.72	10.26	36.73	400	38	A	H
		5110.24	50.9	-23.1	74	44.78	33.06	9.96	36.9	200	4	P	V
		5027.3	42.71	-11.29	54	36.9	32.89	9.87	36.95	200	4	A	V
	*	5220	119.62	-	-	113.56	32.84	10.07	36.85	200	4	P	V
	*	5220	112.11	-	-	106.05	32.84	10.07	36.85	200	4	A	V
		5375.72	53.35	-20.65	74	47.23	32.7	10.19	36.77	200	4	P	V
		5376	48.04	-5.96	54	41.92	32.7	10.19	36.77	200	4	A	V



802.11a CH 48 5240MHz		5133.9	48.2	-25.8	74	42.15	32.96	9.98	36.89	200	187	P	H
		5115.44	38.38	-15.62	54	32.28	33.04	9.96	36.9	200	187	A	H
	*	5240	105.44	-	-	99.32	32.88	10.08	36.84	200	187	P	H
	*	5240	97.33	-	-	91.21	32.88	10.08	36.84	200	187	A	H
		5375.16	47.99	-26.01	74	41.87	32.7	10.19	36.77	200	187	P	H
		5375.72	39.76	-14.24	54	33.64	32.7	10.19	36.77	200	187	A	H
		5089.7	52.82	-21.18	74	46.77	33.04	9.93	36.92	217	14	P	V
		5050.44	44.2	-9.8	54	38.44	32.8	9.89	36.93	217	14	A	V
	*	5240	121.33	-	-	115.21	32.88	10.08	36.84	217	14	P	V
	*	5240	113.59	-	-	107.47	32.88	10.08	36.84	217	14	A	V
		5429.48	56.47	-17.53	74	50.28	32.7	10.24	36.75	217	14	P	V
		5376	50.22	-3.78	54	44.1	32.7	10.19	36.77	217	14	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		4816	50.94	-23.06	74	46.1	32.33	9.62	37.11	100	219	P	H
		4816	39.41	-14.59	54	34.57	32.33	9.62	37.11	100	219	A	H
		10360	46.83	-21.37	68.2	54.62	38.46	14.55	60.8	-	-	P	H
		10740	48.88	-25.12	74	56.16	38.88	14.74	60.9	-	-	P	H
		10740	39.1	-14.9	54	46.38	38.88	14.74	60.9	-	-	A	H
		14480	48.41	-25.59	74	54.6	40.52	16.47	63.18	-	-	P	H
		14480	39.64	-14.36	54	45.83	40.52	16.47	63.18	-	-	A	H
		15540	45.77	-28.23	74	53	38.12	17.01	62.36	-	-	P	H
		17989	53.21	-20.79	74	48.55	43	18.93	57.27	-	-	P	H
		17989	43.43	-10.57	54	38.77	43	18.93	57.27	-	-	A	H
													H
													H
		4816	60.09	-13.91	74	55.25	32.33	9.62	37.11	200	248	P	V
		4816	45.89	-8.11	54	41.05	32.33	9.62	37.11	200	248	A	V
		10360	48.19	-20.01	68.2	55.98	38.46	14.55	60.8	-	-	P	V
		10773	48.8	-25.2	74	55.98	38.95	14.76	60.89	-	-	P	V
		10773	39.02	-14.98	54	46.2	38.95	14.76	60.89	-	-	A	V
		14491	48.52	-25.48	74	54.7	40.51	16.48	63.17	-	-	P	V
		14491	39.74	-14.26	54	45.92	40.51	16.48	63.17	-	-	A	V
		15540	46.25	-27.75	74	53.48	38.12	17.01	62.36	-	-	P	V
		17989	52.6	-21.4	74	47.94	43	18.93	57.27	-	-	P	V
		17989	42.82	-11.18	54	38.16	43	18.93	57.27	-	-	A	V
													V
													V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 44 5220MHz		4864	56.92	-17.08	74	51.85	32.46	9.68	37.07	100	52	P	H
		4864	40.41	-13.59	54	35.34	32.46	9.68	37.07	100	52	A	H
		10440	46.29	-21.91	68.2	53.91	38.46	14.59	60.67	-	-	P	H
		12060	47.85	-26.15	74	55.04	38.78	15.41	61.38	-	-	P	H
		14491	46.41	-27.59	74	52.9	40.51	16.48	63.48	-	-	P	H
		15660	44.04	-29.96	74	50.84	37.82	17.07	61.69	-	-	A	H
		18000	52.85	-21.15	74	47.98	43.1	18.94	57.17	-	-	P	H
		18000	42.65	-11.35	54	37.78	43.1	18.94	57.17	-	-	A	H
													H
													H
													H
													H
		4864	67.45	-6.55	74	62.38	32.46	9.68	37.07	214	47	P	V
		4864	51.51	-2.49	54	46.44	32.46	9.68	37.07	214	47	A	V
		10440	49.51	-18.69	68.2	57.13	38.46	14.59	60.67	-	-	P	V
		12434	47.73	-26.27	74	55.11	38.7	15.56	61.64	-	-	P	V
		14491	46.42	-27.58	74	52.91	40.51	16.48	63.48	-	-	P	V
		15660	44.51	-29.49	74	51.31	37.82	17.07	61.69	-	-	P	V
		17978	53.29	-20.71	74	48.66	42.9	18.93	57.2	-	-	P	V
		17978	43.35	-10.65	54	38.72	42.9	18.93	57.2	-	-	A	V
													V
													V
													V
													V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 48 5240MHz		4876	52.41	-21.59	74	47.28	32.5	9.69	37.06	100	133	P	H
		4876	40.29	-13.71	54	35.16	32.5	9.69	37.06	100	133	A	H
		10480	46.53	-21.67	68.2	54.21	38.42	14.61	60.71	-	-	P	H
		11180	47.91	-26.09	74	55.12	38.76	14.97	60.94	-	-	P	H
		14480	47.47	-26.53	74	53.95	40.52	16.47	63.47	-	-	P	H
		15720	44.34	-29.66	74	50.97	37.64	17.1	61.37	-	-	P	H
		18000	53.67	-20.33	74	48.8	43.1	18.94	57.17	-	-	P	H
		18000	43.95	-10.05	54	39.08	43.1	18.94	57.17	-	-	A	H
													H
													H
													H
													H
		4876	71.84	-2.16	74	66.71	32.5	9.69	37.06	231	53	P	V
		4876	51.07	-2.93	54	45.94	32.5	9.69	37.06	231	53	A	V
		10480	50.45	-17.75	68.2	58.13	38.42	14.61	60.71	-	-	P	V
		11389	47.64	-26.36	74	54.3	39.08	15.07	60.81	-	-	P	V
		14480	46.82	-27.18	74	53.3	40.52	16.47	63.47	-	-	P	V
		15720	44.07	-29.93	74	50.7	37.64	17.1	61.37	-	-	P	V
		17989	53.67	-20.33	74	48.92	43	18.93	57.18	-	-	P	V
		17989	43.24	-10.76	54	38.49	43	18.93	57.18	-	-	A	V
													V
													V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		5046.8	46.79	-27.21	74	41.63	32.81	9.29	36.94	400	323	P	H
		5105.04	38.77	-15.23	54	33.27	33.08	9.33	36.91	400	323	A	H
	*	5180	91.22	-	-	85.86	32.84	9.39	36.87	400	323	P	H
	*	5180	81.73	-	-	76.37	32.84	9.39	36.87	400	323	A	H
													H
													H
		5149.24	54.71	-19.29	74	49.33	32.9	9.37	36.89	197	354	P	V
		5149.76	46.36	-7.64	54	40.98	32.9	9.37	36.89	197	354	A	V
	*	5180	118.86	-	-	113.5	32.84	9.39	36.87	197	354	P	V
	*	5180	109.86	-	-	104.5	32.84	9.39	36.87	197	354	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5032.24	46.81	-27.19	74	41.01	32.87	9.87	36.94	295	322	P	H
		5106.6	37.57	-16.43	54	31.46	33.07	9.95	36.91	295	322	A	H
	*	5220	105.32	-	-	99.26	32.84	10.07	36.85	295	322	P	H
	*	5220	94.96	-	-	88.9	32.84	10.07	36.85	295	322	A	H
		5391.68	47.23	-26.77	74	41.09	32.7	10.2	36.76	295	322	P	H
		5410.72	37.65	-16.35	54	31.48	32.7	10.22	36.75	295	322	A	H
		5069.68	49.23	-24.77	74	43.33	32.92	9.91	36.93	194	15	P	V
		5087.88	40.3	-13.7	54	34.26	33.03	9.93	36.92	194	15	A	V
	*	5220	116.39	-	-	110.33	32.84	10.07	36.85	194	15	P	V
	*	5220	107.93	-	-	101.87	32.84	10.07	36.85	194	15	A	V
		5412.68	52.08	-21.92	74	45.91	32.7	10.22	36.75	194	15	P	V
		5376	44.26	-9.74	54	38.14	32.7	10.19	36.77	194	15	A	V



802.11ax HE20 Full CH 48 5240MHz		5132.86	48.08	-25.92	74	42.02	32.97	9.98	36.89	200	186	P	H
		5107.38	37.74	-16.26	54	31.63	33.07	9.95	36.91	200	186	A	H
	*	5240	103.39	-	-	97.27	32.88	10.08	36.84	200	186	P	H
	*	5240	93.18	-	-	87.06	32.88	10.08	36.84	200	186	A	H
		5419.68	47.78	-26.22	74	41.6	32.7	10.23	36.75	200	186	P	H
		5426.12	37.75	-16.25	54	31.57	32.7	10.23	36.75	200	186	A	H
		5052	50.05	-23.95	74	44.28	32.81	9.89	36.93	223	348	P	V
		5050.96	41.11	-12.89	54	35.34	32.81	9.89	36.93	223	348	A	V
	*	5240	121.26	-	-	115.14	32.88	10.08	36.84	223	348	P	V
	*	5240	110.56	-	-	104.44	32.88	10.08	36.84	223	348	A	V
		5434.52	52.46	-21.54	74	46.26	32.7	10.24	36.74	223	348	P	V
		5435.36	43.95	-10.05	54	37.75	32.7	10.24	36.74	223	348	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 36 5180MHz		4816	47.9	-26.1	74	43.06	32.33	9.62	37.11	-	-	P	H
		10360	44.92	-23.28	68.2	51.92	39.44	14.46	60.9	-	-	P	H
		11301	49.19	-24.81	74	55.33	39.9	14.94	60.98	-	-	P	H
		11301	39.4	-14.6	54	45.54	39.9	14.94	60.98	-	-	A	H
		14480	49.65	-24.35	74	54.86	41.36	16.63	63.2	-	-	P	H
		14480	40.79	-13.21	54	46	41.36	16.63	63.2	-	-	A	H
		15540	46.84	-27.16	74	54.44	37.82	17.29	62.71	-	-	P	H
		17989	58.19	-15.81	74	48.27	48.8	19.03	57.91	-	-	P	H
		17989	49.39	-4.61	54	39.47	48.8	19.03	57.91	-	-	A	H
													H
													H
													H
		4816	65.27	-8.73	74	60.43	32.33	9.62	37.11	204	218	P	V
		4816	49.37	-4.63	54	44.53	32.33	9.62	37.11	204	218	A	V
		10360	47.95	-20.25	68.2	54.95	39.44	14.46	60.9	-	-	P	V
		11488	48.75	-25.25	74	54.53	40.09	15.03	60.9	-	-	P	V
		11488	38.97	-15.03	54	44.75	40.09	15.03	60.9	-	-	A	V
		14480	49.03	-24.97	74	54.24	41.36	16.63	63.2	-	-	P	V
		14480	38.13	-15.87	54	43.34	41.36	16.63	63.2	-	-	A	V
		15540	45.38	-28.62	74	52.98	37.82	17.29	62.71	-	-	P	V
		17978	58.96	-15.04	74	49.26	48.6	19.03	57.93	-	-	P	V
		17978	50.09	-3.91	54	40.39	48.6	19.03	57.93	-	-	A	V
													V
													V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 44 5220MHz		4864	49.09	-24.91	74	44.02	32.46	9.68	37.07	-	-	P	H
		4864	38.19	-15.81	54	33.12	32.46	9.68	37.07	-	-	A	H
		10440	46.99	-21.21	68.2	53.87	39.64	14.5	61.02	-	-	P	H
		11345	49.15	-24.85	74	55.21	39.94	14.96	60.96	-	-	P	H
		11345	39.37	-14.63	54	45.43	39.94	14.96	60.96	-	-	A	H
		14480	48.34	-25.66	74	53.55	41.36	16.63	63.2	-	-	P	H
		14480	39.56	-14.44	54	44.77	41.36	16.63	63.2	-	-	A	H
		15660	43.68	-30.32	74	50.93	37.52	17.36	62.13	-	-	P	H
		17989	58.6	-15.4	74	48.68	48.8	19.03	57.91	-	-	P	H
		17989	49.74	-4.26	54	39.82	48.8	19.03	57.91	-	-	A	H
													H
													H
		4864	64.78	-9.22	74	59.71	32.46	9.68	37.07	-	-	P	V
		4864	46.75	-7.25	54	41.68	32.46	9.68	37.07	-	-	A	V
		10440	51.4	-16.8	68.2	58.28	39.64	14.5	61.02	-	-	P	V
		11488	48.85	-25.15	74	54.63	40.09	15.03	60.9	-	-	P	V
		11488	39.07	-14.93	54	44.85	40.09	15.03	60.9	-	-	A	V
		14480	48.1	-25.9	74	53.31	41.36	16.63	63.2	-	-	P	V
		14480	39.36	-14.64	54	44.57	41.36	16.63	63.2	-	-	A	V
		15660	43.95	-30.05	74	51.2	37.52	17.36	62.13	-	-	P	V
		17989	58.82	-15.18	74	48.9	48.8	19.03	57.91	-	-	P	V
		17989	49.62	-4.38	54	39.7	48.8	19.03	57.91	-	-	A	V
													V
													V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE20 Full CH 48 5240MHz		4882	50.59	-23.41	74	45.41	32.53	9.7	37.05	400	43	P	H
		4882	38.66	-15.34	54	33.48	32.53	9.7	37.05	400	43	A	H
		10480	47.05	-21.15	68.2	53.92	39.68	14.52	61.07	-	-	P	H
		11312	48.98	-25.02	74	55.11	39.91	14.94	60.98	-	-	P	H
		11312	39.08	-14.92	54	45.21	39.91	14.94	60.98	-	-	A	H
		14491	48.11	-25.89	74	53.28	41.38	16.65	63.2	-	-	P	H
		14491	39.3	-14.7	54	44.47	41.38	16.65	63.2	-	-	A	H
		15720	43.5	-30.5	74	50.6	37.34	17.4	61.84	-	-	P	H
		17989	58.39	-15.61	74	48.47	48.8	19.03	57.91	-	-	P	H
		17989	49.59	-4.41	54	39.67	48.8	19.03	57.91	-	-	A	H
													H
													H
		4882	59.55	-14.45	74	54.37	32.53	9.7	37.05	231	29	P	V
		4882	45.03	-8.97	54	39.85	32.53	9.7	37.05	231	29	A	V
		10480	49.29	-18.91	68.2	56.16	39.68	14.52	61.07	-	-	P	V
		11224	48.88	-25.12	74	55.17	39.82	14.9	61.01	-	-	P	V
		11224	38.98	-15.02	54	45.27	39.82	14.9	61.01	-	-	A	V
		14480	49.24	-24.76	74	54.45	41.36	16.63	63.2	-	-	P	V
		14480	40.34	-13.66	54	45.55	41.36	16.63	63.2	-	-	A	V
		15720	43.71	-30.29	74	50.81	37.34	17.4	61.84	-	-	P	V
		18000	59.46	-14.54	74	49.32	49	19.04	57.9	-	-	P	V
		18000	50.66	-3.34	54	40.52	49	19.04	57.9	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.46	48.38	-25.62	74	42.36	32.91	10	36.89	298	228	P	H
		5150	39.62	-14.38	54	33.6	32.9	10	36.88	298	228	A	H
	*	5190	99.42	-	-	93.42	32.82	10.04	36.86	298	228	P	H
	*	5190	89.96	-	-	83.96	32.82	10.04	36.86	298	228	A	H
		5397	47.53	-26.47	74	41.38	32.7	10.21	36.76	298	228	P	H
		5422.76	37.89	-16.11	54	31.71	32.7	10.23	36.75	298	228	A	H
		5149.5	62.99	-11.01	74	56.98	32.9	10	36.89	233	348	P	V
		5150	52.7	-1.3	54	46.68	32.9	10	36.88	233	348	A	V
	*	5190	116.42	-	-	110.42	32.82	10.04	36.86	233	348	P	V
	*	5190	105.85	-	-	99.85	32.82	10.04	36.86	233	348	A	V
		5368.72	51.98	-22.02	74	45.88	32.7	10.18	36.78	233	348	P	V
		5376	44.54	-9.46	54	38.42	32.7	10.19	36.77	233	348	A	V
802.11ax HE40 Full CH 46 5230MHz		5132.26	52.99	-21.01	74	46.93	32.97	9.98	36.89	218	345	P	V
		5144.16	44.05	-9.95	54	38.03	32.92	9.99	36.89	218	345	A	V
	*	5230	118.42	-	-	112.33	32.86	10.07	36.84	218	345	P	V
	*	5230	105.98	-	-	99.89	32.86	10.07	36.84	218	345	A	V
		5351.04	55.89	-18.11	74	49.8	32.7	10.17	36.78	218	345	P	V
		5376	47.86	-6.14	54	41.74	32.7	10.19	36.77	218	345	A	V
		5143.48	47.41	-26.59	74	41.38	32.93	9.99	36.89	242	183	P	H
		5102	37.75	-16.25	54	31.62	33.09	9.95	36.91	242	183	A	H
	*	5230	105.08	-	-	98.99	32.86	10.07	36.84	242	183	P	H
	*	5230	94.14	-	-	88.05	32.86	10.07	36.84	242	183	A	H
		5455.44	48.3	-25.7	74	42.06	32.71	10.26	36.73	242	183	P	H
		5428.32	38.07	-15.93	54	31.89	32.7	10.23	36.75	242	183	A	H
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		4832	49.24	-24.76	74	44.33	32.36	9.64	37.09	100	224	P	H
		4832	38.68	-15.32	54	33.77	32.36	9.64	37.09	100	224	A	H
		10380	46.69	-21.51	68.2	53.63	39.52	14.47	60.93	-	-	P	H
		11213	48.97	-25.03	74	55.28	39.81	14.89	61.01	-	-	P	H
		11213	39.19	-14.81	54	45.5	39.81	14.89	61.01	-	-	A	H
		14480	48.59	-25.41	74	53.8	41.36	16.63	63.2	-	-	P	H
		14480	39.69	-14.31	54	44.9	41.36	16.63	63.2	-	-	A	H
		15570	44.99	-29.01	74	52.49	37.76	17.3	62.56	-	-	P	H
		17989	58.67	-15.33	74	48.75	48.8	19.03	57.91	-	-	P	H
		17989	49.88	-4.12	54	39.96	48.8	19.03	57.91	-	-	A	H
													H
													H
		4832	55.89	-18.11	74	50.98	32.36	9.64	37.09	250	272	P	V
		4832	43.14	-10.86	54	38.23	32.36	9.64	37.09	250	272	A	V
		10380	47.93	-20.27	68.2	54.87	39.52	14.47	60.93	-	-	P	V
		11323	50.11	-23.89	74	56.21	39.92	14.95	60.97	-	-	P	V
		11323	40.32	-13.68	54	46.42	39.92	14.95	60.97	-	-	A	V
		14491	48.53	-25.47	74	53.7	41.38	16.65	63.2	-	-	P	V
		14491	39.63	-14.37	54	44.8	41.38	16.65	63.2	-	-	A	V
		15570	44.89	-29.11	74	52.39	37.76	17.3	62.56	-	-	P	V
		17989	59.2	-14.8	74	49.28	48.8	19.03	57.91	-	-	P	V
		17989	50.4	-3.6	54	40.48	48.8	19.03	57.91	-	-	A	V
													V
													V



WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 46 5230MHz		4870	49.24	-24.76	74	44.14	32.48	9.68	37.06	150	86	P	H
		4870	38.35	-15.65	54	33.25	32.48	9.68	37.06	150	86	A	H
		10460	45.8	-22.4	68.2	53.45	38.44	14.6	60.69	-	-	P	H
		11312	48.31	-25.69	74	55.22	38.92	15.03	60.86	-	-	P	H
		11312	38.53	-15.47	54	45.44	38.92	15.03	60.86	-	-	A	H
		14480	46.8	-27.2	74	53.28	40.52	16.47	63.47	-	-	P	H
		14480	37.9	-16.1	54	44.38	40.52	16.47	63.47	-	-	A	H
		15690	44.25	-29.75	74	50.96	37.73	17.09	61.53	-	-	P	H
		17989	53.65	-20.35	74	48.9	43	18.93	57.18	-	-	P	H
		17989	42.75	-11.25	54	38	43	18.93	57.18	-	-	A	H
													H
													H
		4870	62.95	-11.05	74	57.85	32.48	9.68	37.06	233	48	P	V
		4870	47.7	-6.3	54	42.6	32.48	9.68	37.06	233	48	A	V
		10460	48.89	-19.31	68.2	56.54	38.44	14.6	60.69	-	-	P	V
		11125	48.4	-25.6	74	55.78	38.65	14.94	60.97	-	-	P	V
		11125	38.62	-15.38	54	46	38.65	14.94	60.97	-	-	A	V
		14480	46.85	-27.15	74	53.33	40.52	16.47	63.47	-	-	P	V
		14480	37.95	-16.05	54	44.43	40.52	16.47	63.47	-	-	A	V
		15690	44.07	-29.93	74	50.78	37.73	17.09	61.53	-	-	P	V
		17989	53.86	-20.14	74	49.11	43	18.93	57.18	-	-	P	V
		17989	44.96	-9.04	54	40.21	43	18.93	57.18	-	-	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												



Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE80 Full CH 42 5210MHz		5138.84	47.89	-26.11	74	41.85	32.94	9.99	36.89	197	182	P	H
		5148.2	39.36	-14.64	54	33.34	32.91	10	36.89	197	182	A	H
	*	5210	96.2	-	-	90.17	32.82	10.06	36.85	197	182	P	H
	*	5210	85.74	-	-	79.71	32.82	10.06	36.85	197	182	A	H
		5458.32	48.64	-25.36	74	42.39	32.72	10.26	36.73	197	182	P	H
		5376	37.84	-16.16	54	31.72	32.7	10.19	36.77	197	182	A	H
		5145.6	60.64	-13.36	74	54.62	32.92	9.99	36.89	200	349	P	V
		5146.38	52.19	-1.81	54	46.18	32.91	9.99	36.89	200	349	A	V
	*	5210	112.96	-	-	106.93	32.82	10.06	36.85	200	349	P	V
	*	5210	102.15	-	-	96.12	32.82	10.06	36.85	200	349	A	V
		5359.2	51.47	-22.53	74	45.37	32.7	10.18	36.78	200	349	P	V
		5376	44.33	-9.67	54	38.21	32.7	10.19	36.77	200	349	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ax HE80 Full (Harmonic @ 3m)

[illegible]

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full SHF		23800	41.6	-32.4	74	58.91	38.8	-2.23	53.88	-	-	P	H
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Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full LF		62.01	32.16	-7.84	40	51.95	11.74	1.01	32.54	-	-	P	H
		159.01	30.43	-13.07	43.5	44.69	16.5	1.69	32.45	-	-	P	H
		250.19	29.89	-16.11	46	41.89	18.35	2.1	32.45	-	-	P	H
		408.3	30.53	-15.47	46	38.58	21.89	2.53	32.47	-	-	P	H
		730.34	30.86	-15.14	46	32.48	27.34	3.37	32.33	-	-	P	H
		954.41	32.39	-13.61	46	28.73	30.88	3.96	31.18	-	-	P	H
													H
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													H
		57.16	31.61	-8.39	40	51.25	11.95	0.97	32.56	280	303	Q	V
		95.96	31.56	-11.94	43.5	47.5	15.31	1.21	32.46	-	-	P	V
		250.19	26.99	-19.01	46	38.99	18.35	2.1	32.45	-	-	P	V
		650.8	27.43	-18.57	46	30.54	26.16	3.21	32.48	-	-	P	V
		746.83	31.84	-14.16	46	32.91	27.83	3.39	32.29	-	-	P	V
		951.5	33.46	-12.54	46	30.02	30.7	3.95	31.21	-	-	P	V
													V
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													V
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												



<Sample 2>

Band 1 - 5150~5250MHz

WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ax HE40 Full CH 38 5190MHz		5148.2	48.54	-25.46	74	42.52	32.91	10	36.89	400	228	P	H
		5150.02	39.89	-110.11	150	33.87	32.9	10	36.88	400	228	A	H
	*	5190	100.97	-	-	94.97	32.82	10.04	36.86	400	228	P	H
	*	5190	91.51	-	-	85.51	32.82	10.04	36.86	400	228	A	H
		5365.36	47.17	-26.83	74	41.07	32.7	10.18	36.78	400	228	P	H
		5376.28	37.85	-16.15	54	31.73	32.7	10.19	36.77	400	228	A	H
		5149.76	60	-14	74	53.99	32.9	10	36.89	205	341	P	V
		5150	51.86	-2.14	54	45.84	32.9	10	36.88	205	341	A	V
	*	5190	115.05	-	-	109.05	32.82	10.04	36.86	205	341	P	V
	*	5190	105.81	-	-	99.81	32.82	10.04	36.86	205	341	A	V
		5408.2	52.37	-21.63	74	46.21	32.7	10.22	36.76	205	341	P	V
		5376	46.95	-7.05	54	40.83	32.7	10.19	36.77	205	341	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ax HE40 Full CH 38 5190MHz		4825	49.82	-24.18	74	44.94	32.35	9.63	37.1	100	224	P	H
		4825	38.81	-15.19	54	33.93	32.35	9.63	37.1	100	224	A	H
		10380	48.6	-19.6	68.2	56.17	38.48	14.56	60.61	-	-	P	H
		11510	50.28	-23.72	74	57.13	38.78	15.13	60.76	-	-	P	H
		11510	40.4	-13.6	54	47.25	38.78	15.13	60.76	-	-	A	H
		14480	49.71	-24.29	74	56.19	40.52	16.47	63.47	-	-	P	H
		14480	40.84	-13.16	54	47.32	40.52	16.47	63.47	-	-	A	H
		15570	48.01	-25.99	74	55.09	38.06	17.03	62.17	-	-	P	H
		18000	55.07	-18.93	74	50.2	43.1	18.94	57.17	-	-	P	H
		18000	45.2	-8.8	54	40.33	43.1	18.94	57.17	-	-	A	H
													H
													H
		4825	54.97	-19.03	74	50.09	32.35	9.63	37.1	200	141	P	V
		4825	43.29	-10.71	54	38.41	32.35	9.63	37.1	200	141	A	V
		10380	49.46	-18.74	68.2	57.03	38.48	14.56	60.61	-	-	P	V
		11411	50.59	-23.41	74	57.24	39.07	15.08	60.8	-	-	P	V
		11411	40.81	-13.19	54	47.46	39.07	15.08	60.8	-	-	A	V
		14491	50.26	-23.74	74	56.75	40.51	16.48	63.48	-	-	P	V
		14491	41.48	-12.52	54	47.97	40.51	16.48	63.48	-	-	A	V
		15570	48.92	-25.08	74	56	38.06	17.03	62.17	-	-	P	V
		18000	54.78	-19.22	74	49.91	43.1	18.94	57.17	-	-	P	V
		18000	45.01	-8.99	54	40.14	43.1	18.94	57.17	-	-	A	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												
	3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												
	4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

WIFI 802.11ax HE40 Full (SHF @ 3m)

[illegible]

Emission below 1GHz

WIFI 802.11ax HE40 Full (LF @ 3m)

[illegible]



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 over limit line.
P/A	Peak or Average
H/V	Horizontal or Vertical

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Margin Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
 = 55.45 (dBμV/m)
2. Margin Limit(dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Margin Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54(dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Bigshow Wang	Temperature :	22.1~23.1°C
		Relative Humidity :	55~60%

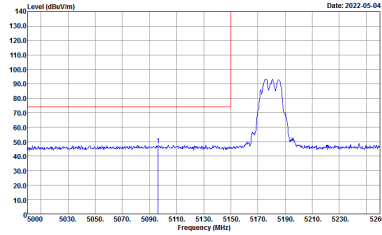
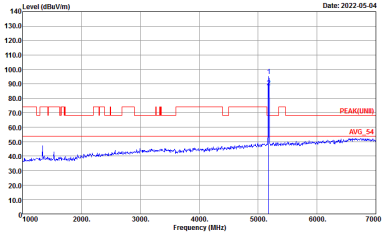
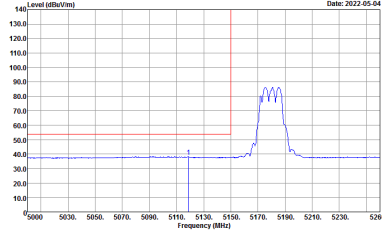
Note symbol

-L	Low channel location
-R	High channel location



<Sample 1>

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

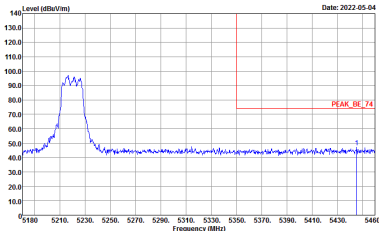
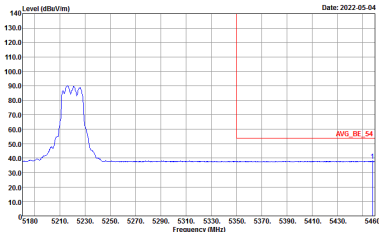


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

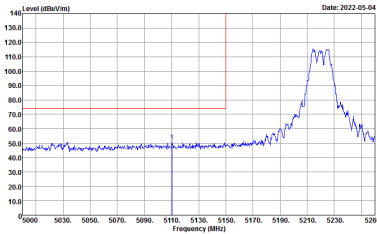
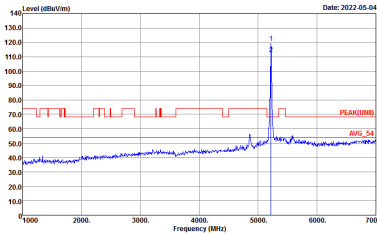
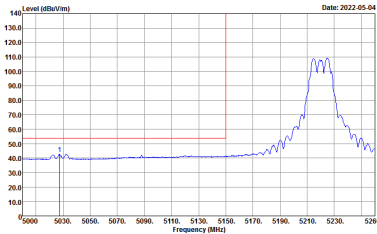


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

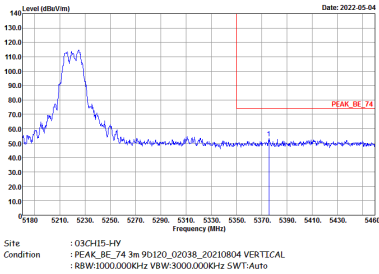
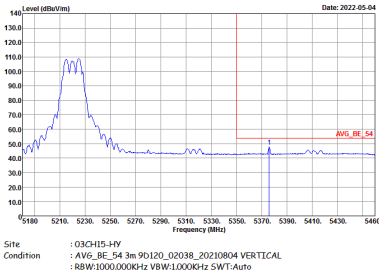


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

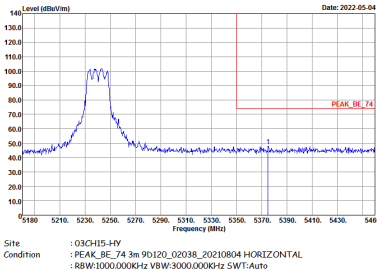
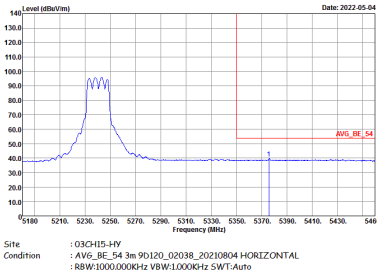


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

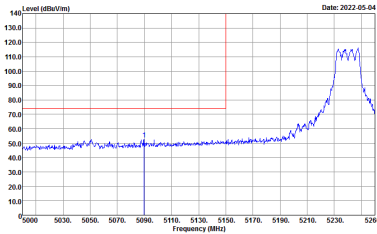
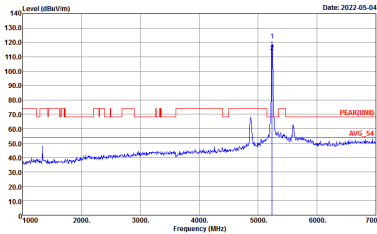
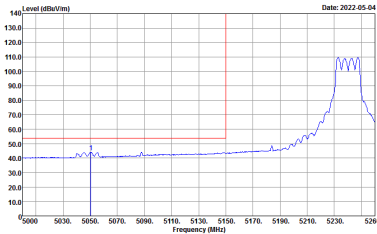


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

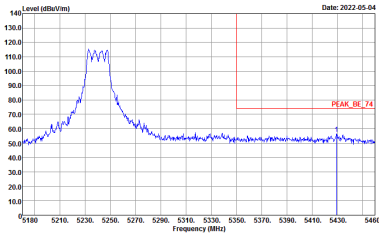
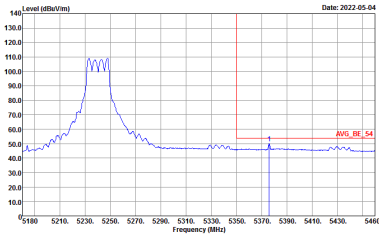


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



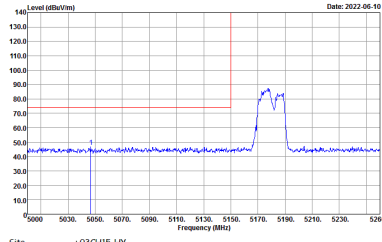
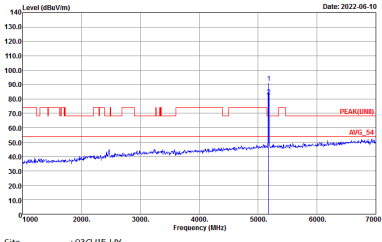
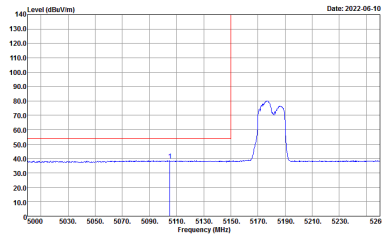
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



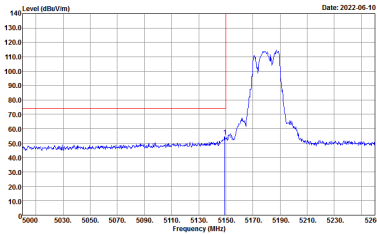
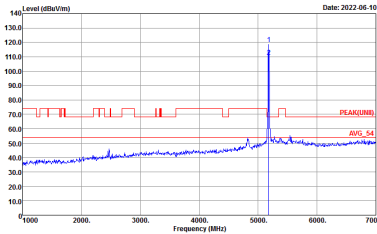
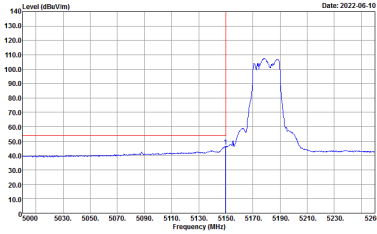
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank



Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

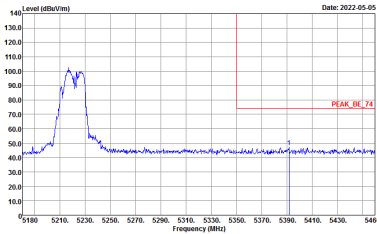
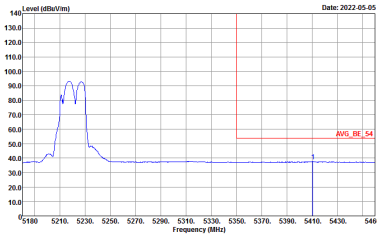


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-06-10	 Site : 03CH15-HY Condition : : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-06-10
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-06-10	Left blank

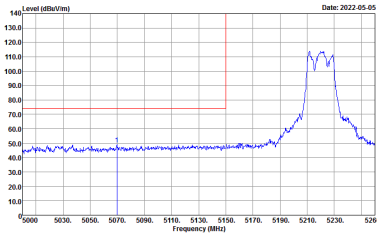
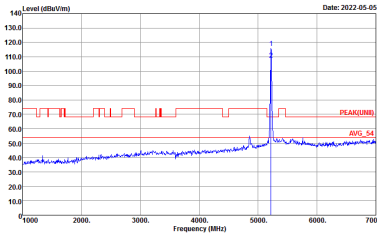
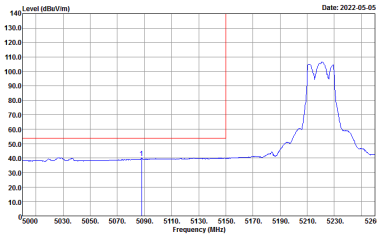


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

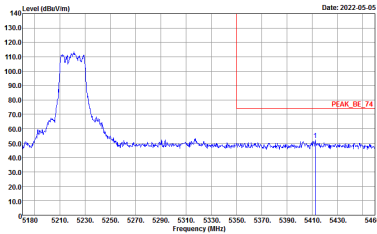
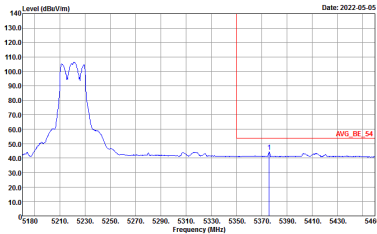


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

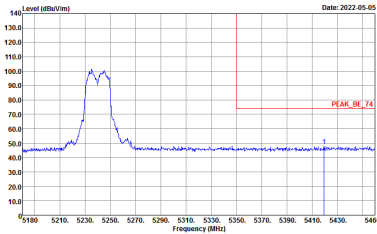
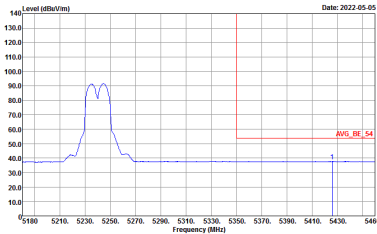


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

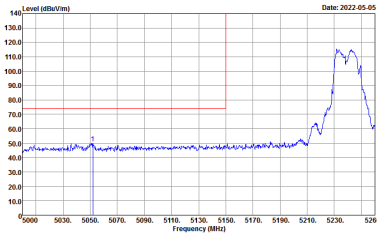
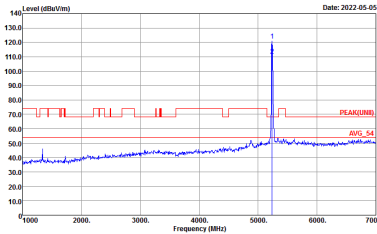
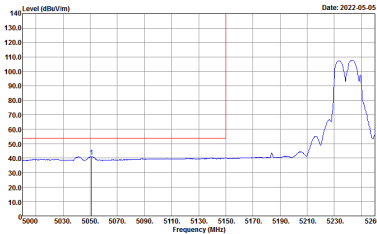


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

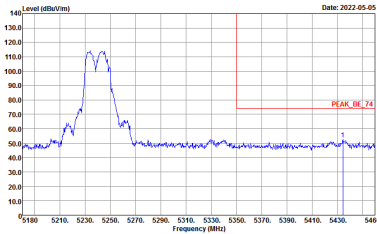
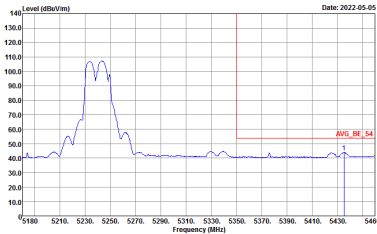


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



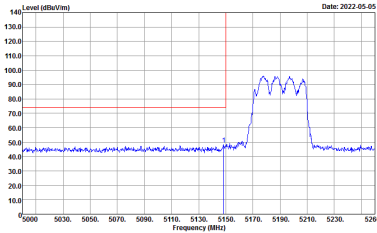
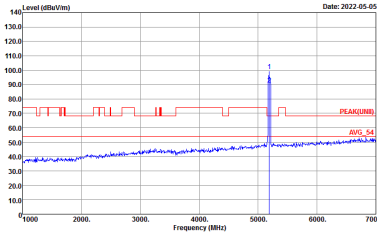
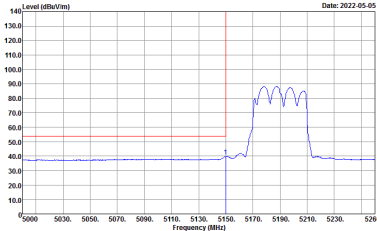
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



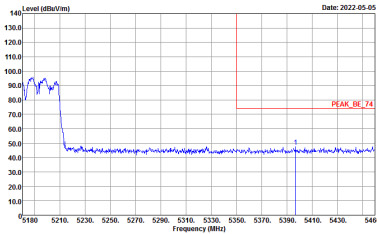
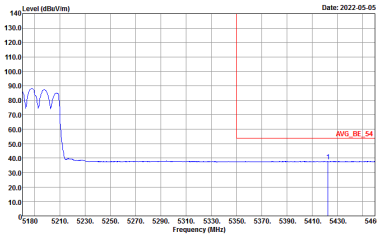
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

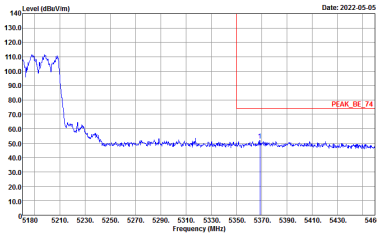
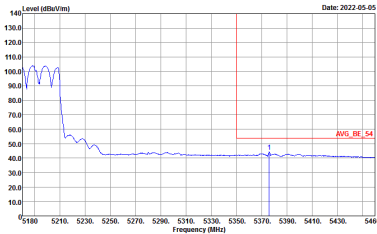


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

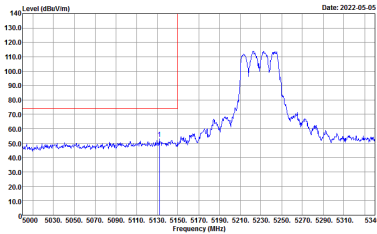
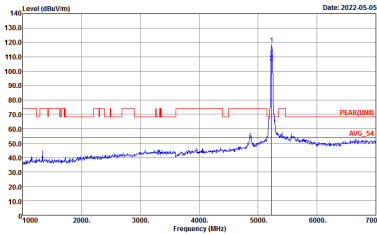
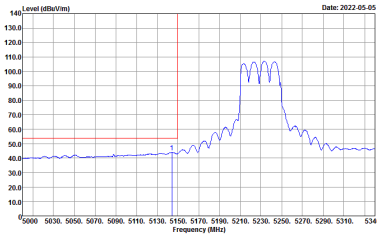


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		Left blank

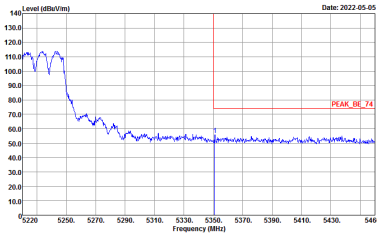
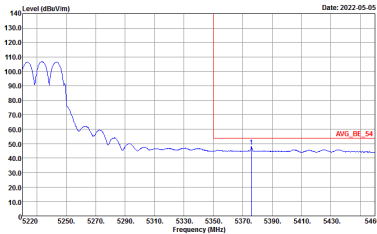


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank

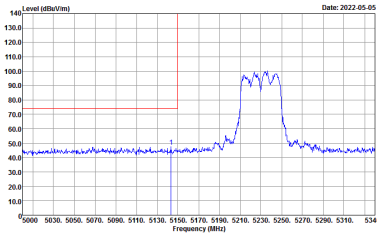
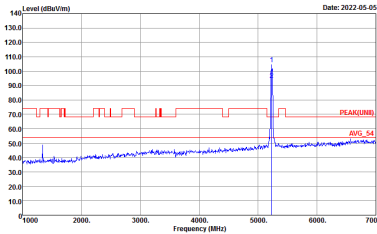
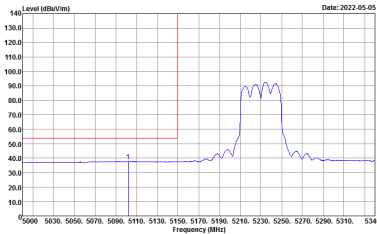


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-05-05	 Site : 03CH15-HY Condition : : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-05-05
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Date: 2022-05-05	Left blank

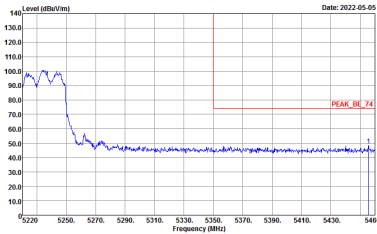
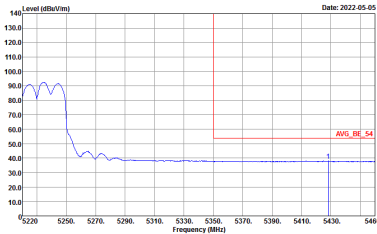


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



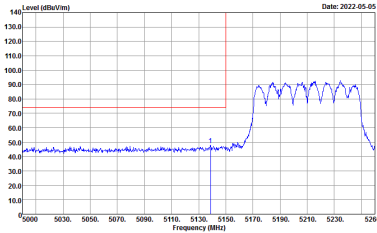
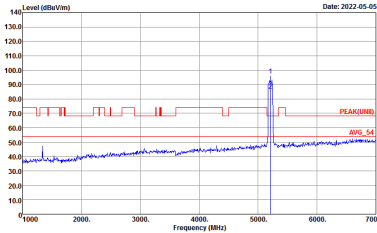
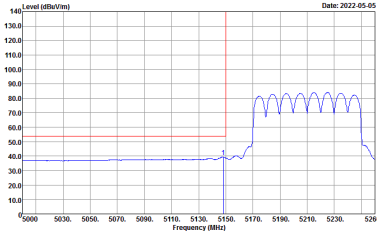
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



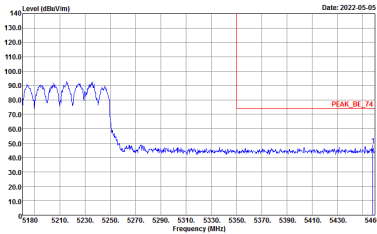
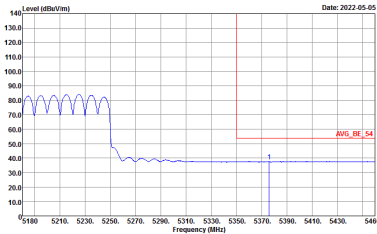
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



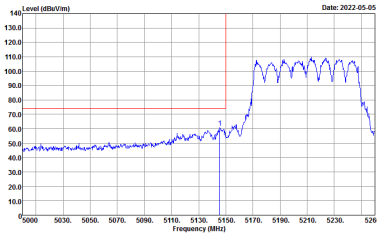
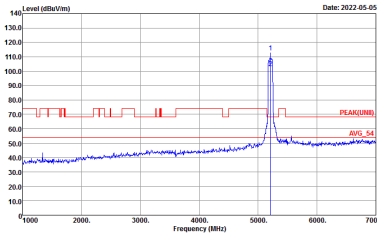
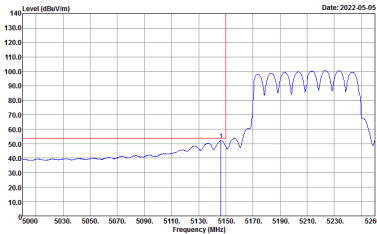
Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

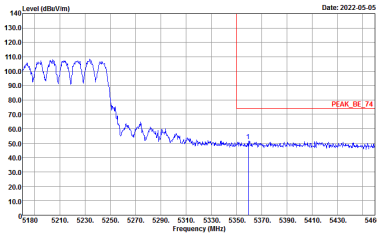
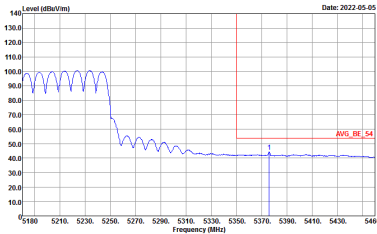


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



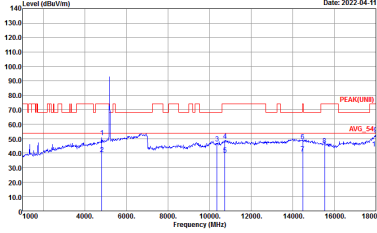
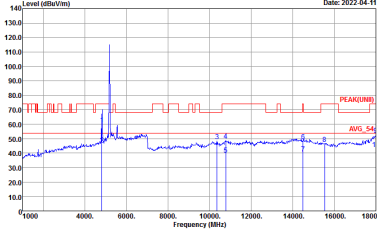
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(LINE) 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



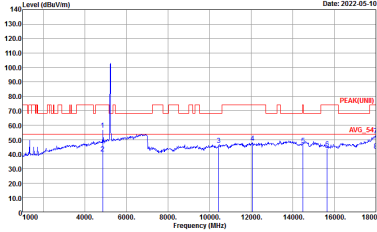
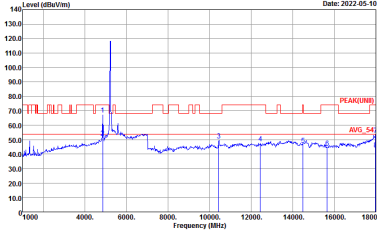
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



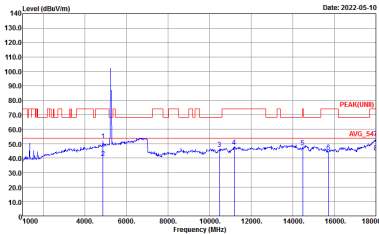
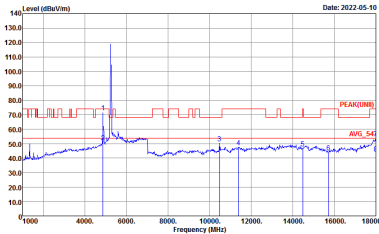
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UMI) 3m 90120_02038_20210804 HORIZONTAL Detector : Peak	 Site : 03CHI5-HY Condition : PEAK(UMI) 3m 90120_02038_20210804 VERTICAL Detector : Peak



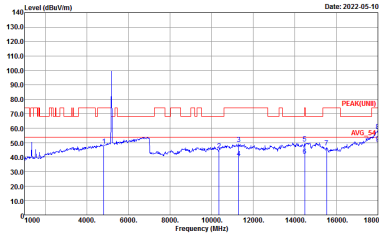
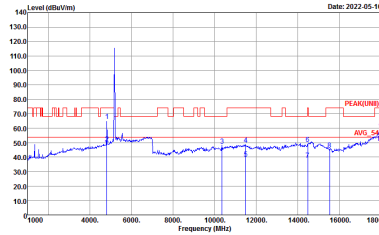
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 9D120_02038_20210804 HORIZONTAL Detector : Peak	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 9D120_02038_20210804 VERTICAL Detector : Peak



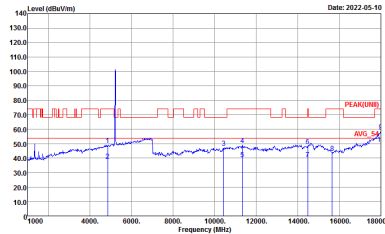
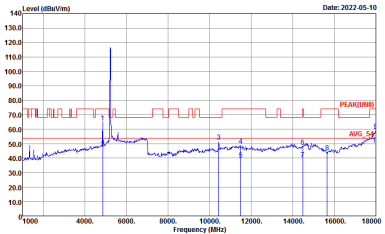
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 9D120_02038_20210804 HORIZONTAL Detector : Peak	 Site : 03CHI5-HY Condition : PEAK(UNIT) 3m 9D120_02038_20210804 VERTICAL Detector : Peak



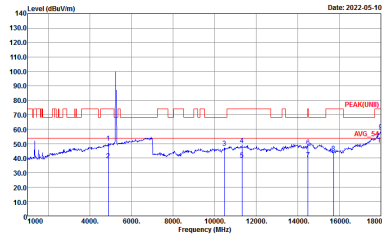
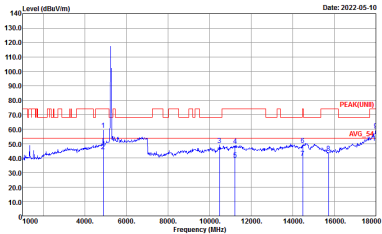
Band 1 5150~5250MHz
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak



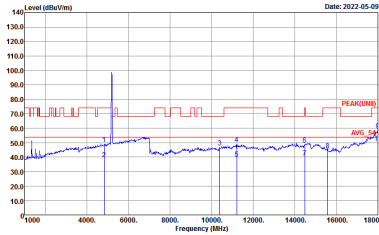
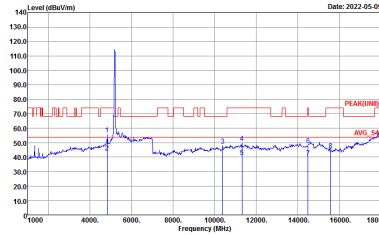
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak



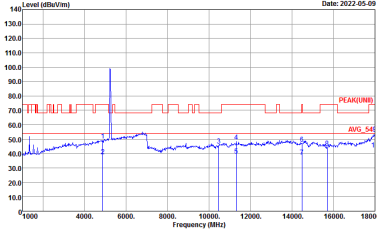
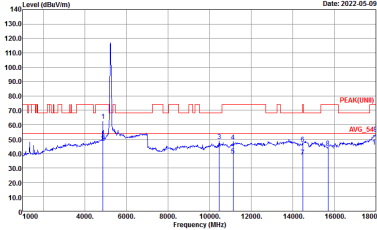
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak



Band 1 5150~5250MHz
WIFI 802.11ax HE40 Full (Harmonic @ 3m)

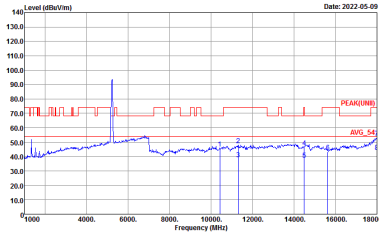
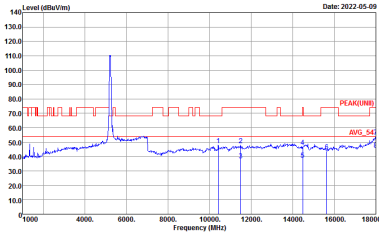
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH115-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 HORIZONTAL Detector : Peak	 Site : 03CH115-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 VERTICAL Detector : Peak

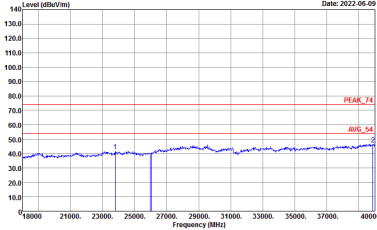
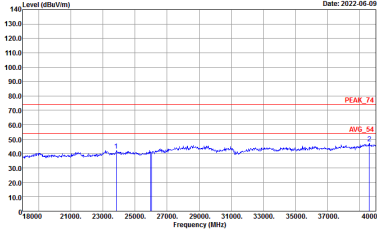


Band 1 5150~5250MHz
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

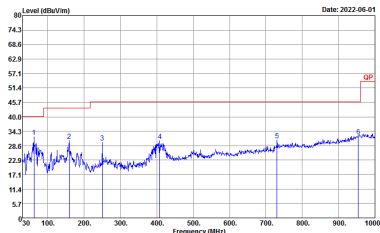
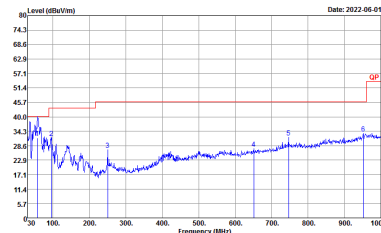
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UNIT) 3m 90120_02038_20210804 VERTICAL Detector : Peak



Emission above 18GHz
5GHz WIFI 802.11ax HE40 Full (SHF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full SHF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : PEAK_74 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak	 Site : 03CH11-HY Condition : PEAK_74 1m SHF ANT_9170_00993 VERTICAL Detector : Peak

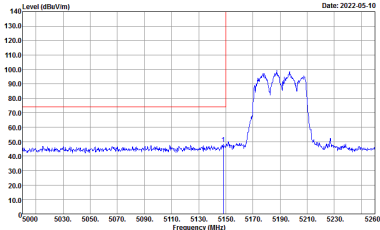
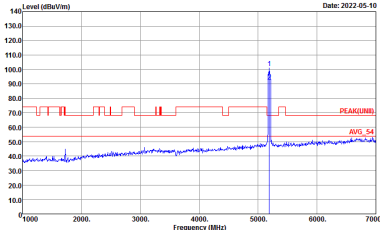
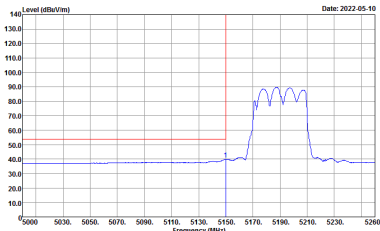
Emission below 1GHz
5GHz WIFI 802.11ax HE40 Full (LF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m BIL06_41912_20220206 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : QP 3m BIL06_41912_20220206 VERTICAL Detector : Peak

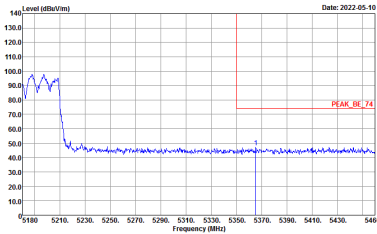
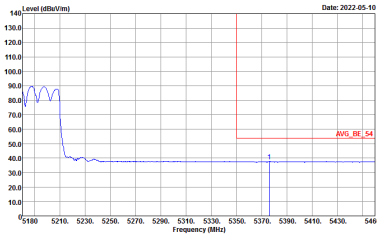


<Sample 2>

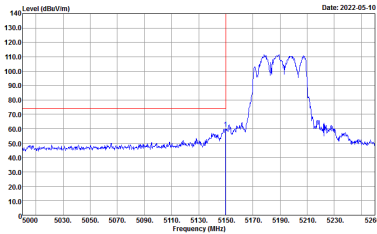
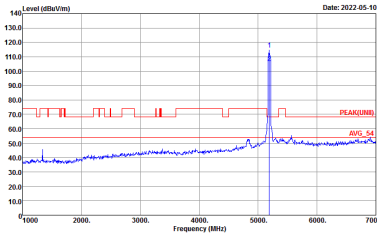
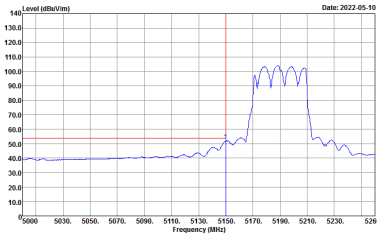
Band 1 - 5150~5250MHz
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

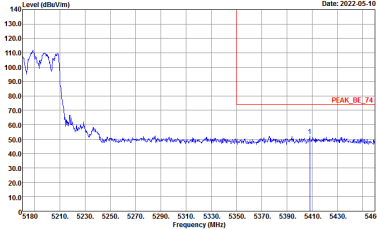
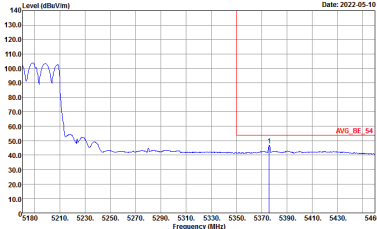


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(FUND) 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

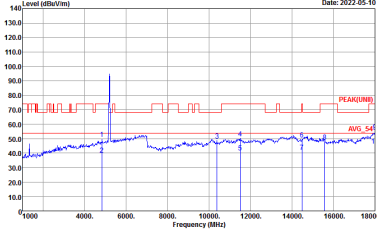
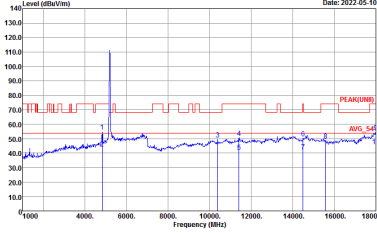


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 90120_02038_20210804 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 90120_02038_20210804 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Left blank



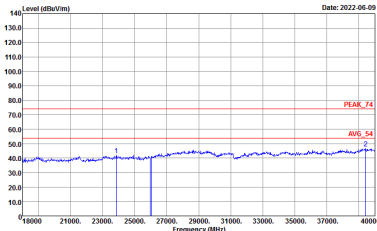
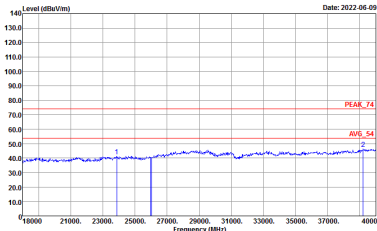
Band 1 - 5150~5250MHz

WIFI 802.11ax HE40 Full (Harmonic @ 3m)

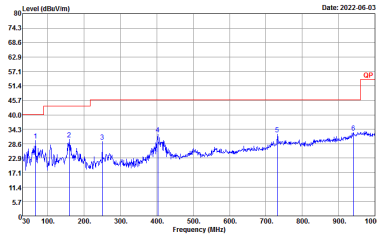
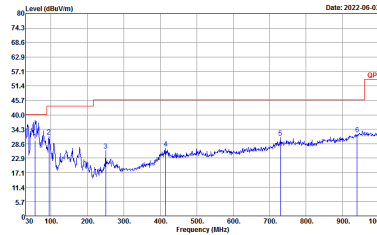
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH15-HY Condition : PEAK(UM) 3m 90120_02038_20210804 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK(UM) 3m 90120_02038_20210804 VERTICAL Detector : Peak



Emission above 18GHz
5GHz WIFI 802.11ax HE40 Full (SHF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full SHF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : PEAK_74 1m SHF ANT_9170_00993 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : PEAK_74 1m SHF ANT_9170_00993 VERTICAL Detector : Peak

Emission below 1GHz
5GHz WIFI 802.11ax HE40 Full (LF)

WIFI	5GHz WIFI	
ANT	802.11ax HE40 Full LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH15-HY Condition : QP 3m BIL06_41912_20220206 HORIZONTAL Detector : Peak	 Site : 03CH15-HY Condition : QP 3m BIL06_41912_20220206 VERTICAL Detector : Peak

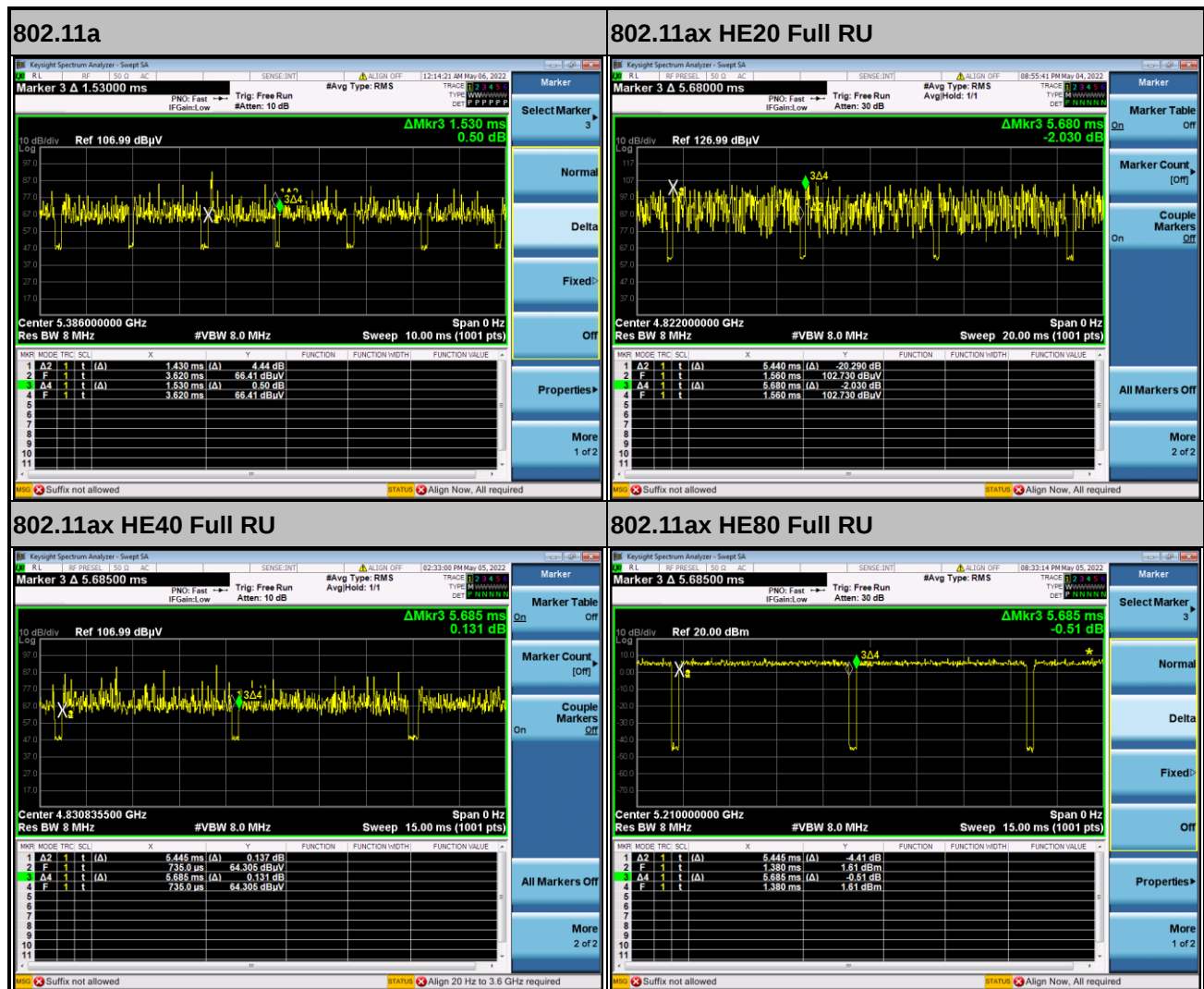


Appendix E. Duty Cycle Plots

<Sample 1>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11a	93.46	1430	0.70	1kHz
1+2	5GHz 802.11ax HE20 Full RU	95.77	5440	0.18	300Hz
1+2	5GHz 802.11ax HE40 Full RU	95.78	5445	0.18	300Hz
1+2	5GHz 802.11ax HE80 Full RU	95.78	5445	0.18	300Hz

MIMO <Ant. 1+2>





<Sample 2>

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	5GHz 802.11ax HE20 Full RU	94.29	5445	0.18	300Hz

MIMO <Ant. 1+2>

