FCC RADIO TEST REPORT

FCC ID	:	2BBL6-7128
Equipment	:	Mixed Reality Headset
Brand Name	:	LYNX
Model Name	:	Lynx-R1
Marketing Name	:	Lynx-R
Applicant	:	SL Process 47 RUE MARCEL DASSAULT 92514 BOULOGNE-BILLANCOURT CEDEX, FRANCE
Manufacturer	:	SL Process 47 RUE MARCEL DASSAULT 92514 BOULOGNE-BILLANCOURT CEDEX, FRANCE
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Feb. 16, 2023 and testing was performed from Mar. 13, 2023 to Sep. 07, 2023. 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
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History of this test report

Report No.	Version	Description	Issue Date
FR2N1906D	01	Initial issue of report	Jan. 09, 2024

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	6.23 dB under the limit at 5350.080 MHz
3.5	15.207	AC Conducted Emission	Pass	10.91 dB under the limit at 0.74 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Danny Lee
Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, and Wi-Fi 5GHz 802.11a/n/ac/ax. **Antenna Type** WLAN **<Ant. 1>:** Dipole Antenna **<Ant. 2>:** Dipole Antenna Bluetooth: Dipole Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 2.19 Ant. 2: 4.31
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 1: 2.56 Ant. 2: 3.83
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 1: 3.11 Ant. 2: 1.92

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

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

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

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

N_{ANT} = the total number of antennas

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

G_k is the gain in dBi of the kth antenna.

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

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

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

The directional gain “DG” is calculated as following table.

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	2.19	4.31	4.31	6.32	0.00	0.32
Band II	2.56	3.83	3.83	6.23	0.00	0.23
Band III	3.11	1.92	3.11	5.55	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT1}= 2.19dBi; G_{ANT2}=4.31dBi

Directional gain of power measurement = max(2.19, 4.31) + 0 = 4.31 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (2.19 dBi / 20) + 10^ (4.31 dBi / 20)] ^ 2 } / 2 }

= 6.32 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH16-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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 three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

This device support 26/52/106/242/484-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2018.

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 242-tone RU is covered by 20MHz channel, and 484-tone RU is covered by 40MHz channel.

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

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

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

MIMO Mode

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (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

Remark: The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + MPEG4 + Earphone + SD Card + USB Cable (Charging from Adapter)

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

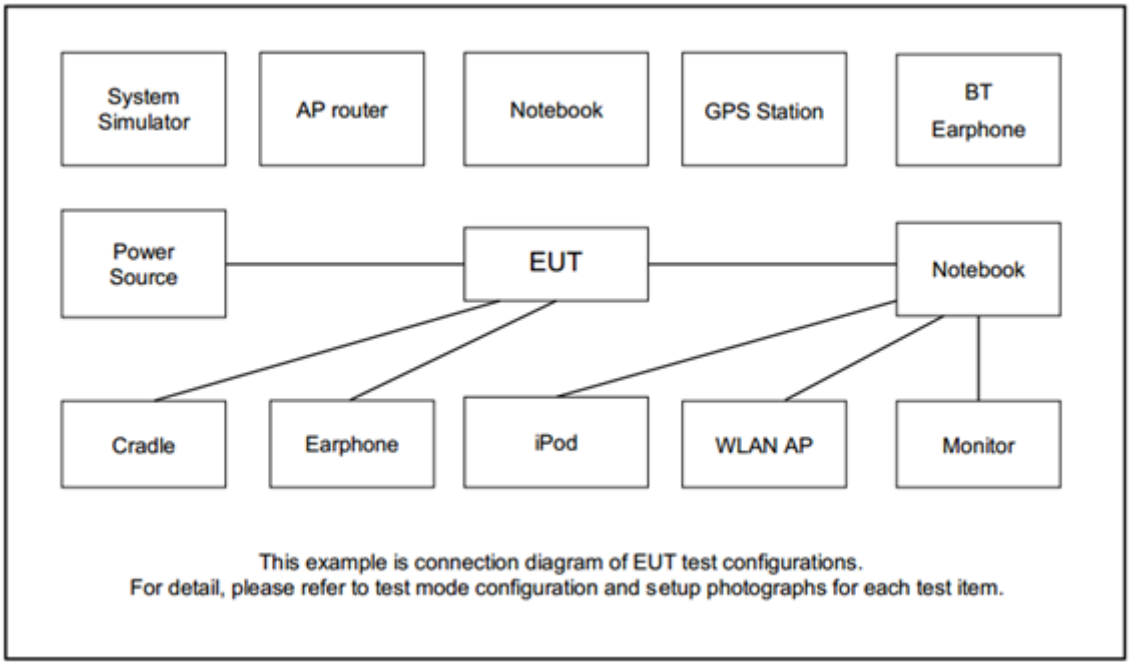
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20	802.11ax HE20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40	802.11ax HE40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80	802.11ax HE80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

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.	iPod Earphone	Apple	N/A	Verification	Unshielded, 1.2m	N/A
2.	AC Adapter	PQI	PDC65WV	NA	N/A	N/A
3.	Bluetooth Earphone	Sony	SBH20	PY7-RD0010	N/A	N/A
4.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	Earphone + Mic	Samsung	Ecouteur	N/A	Unshielded, 1.8m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility "QSPR v5.0-00202" 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.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

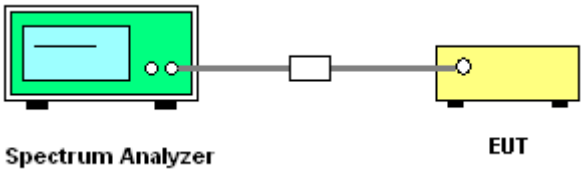
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
8. Measure and record the results in the test report.

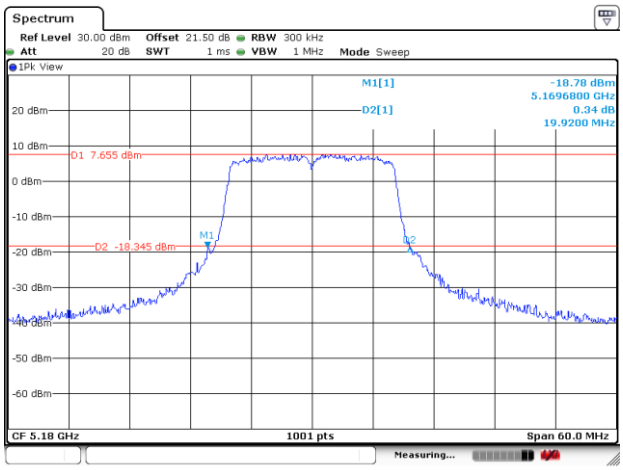
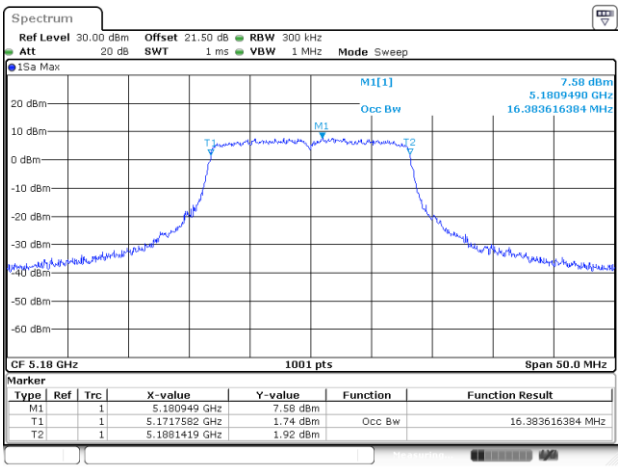
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

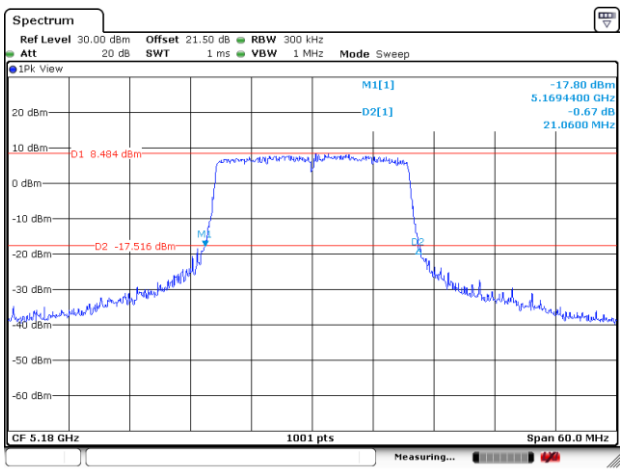
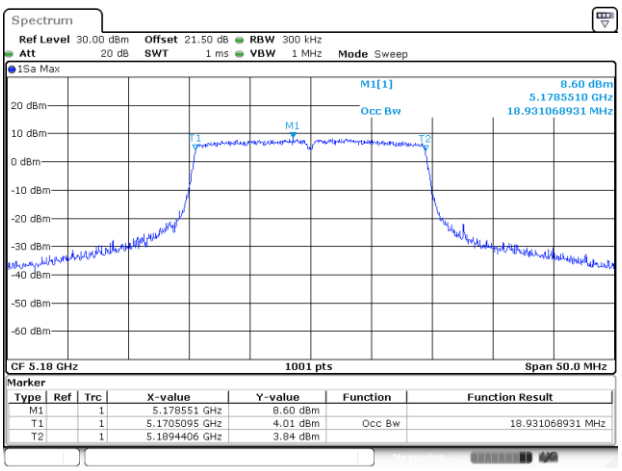
Please refer to Appendix A.

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

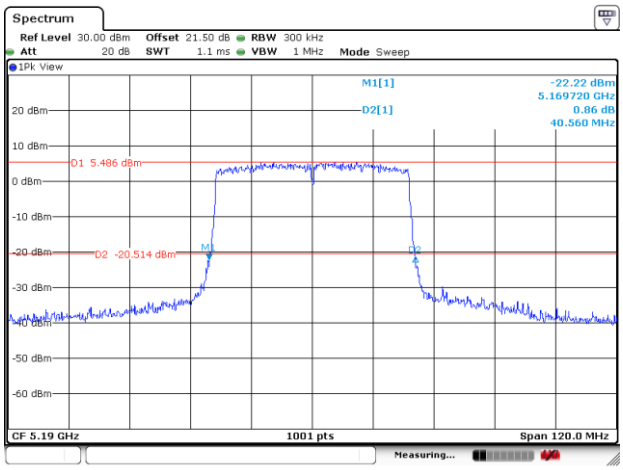
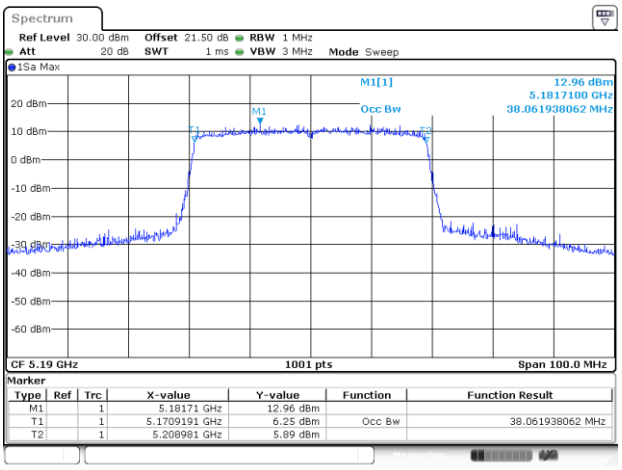
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

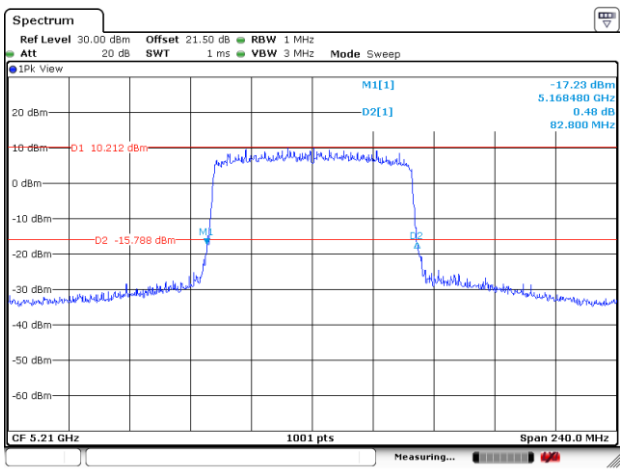
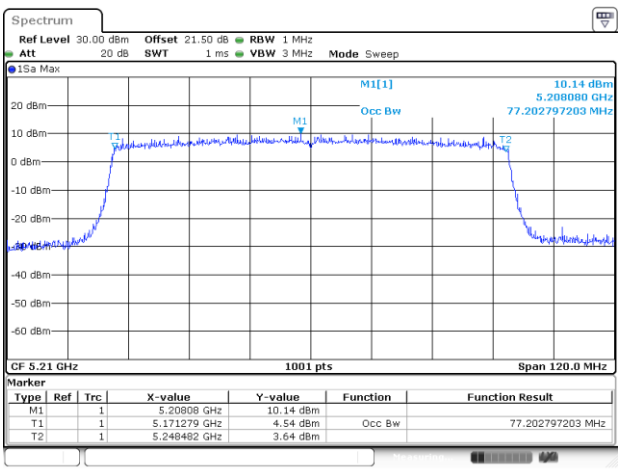
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

■ For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

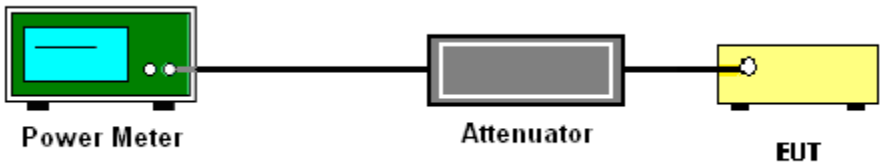
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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):

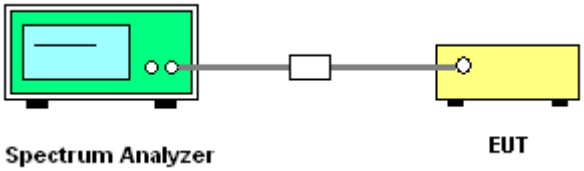
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which 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 PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

3.3.4 Test Setup

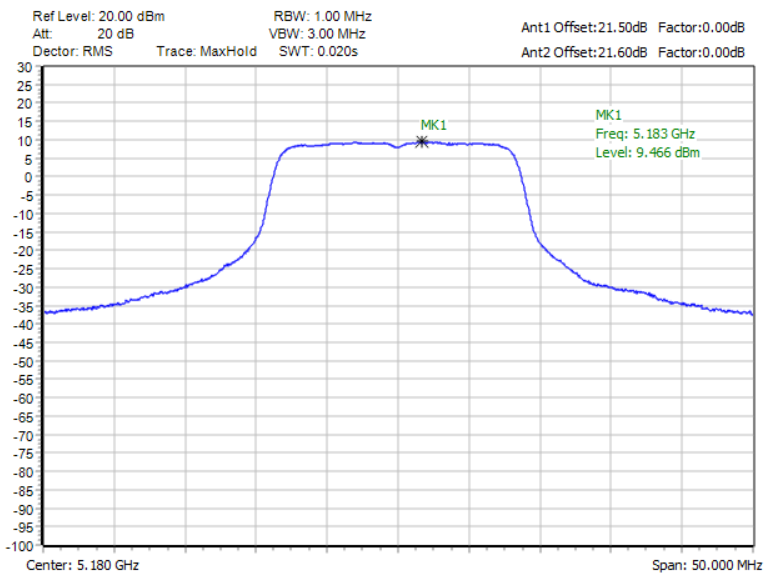


3.3.5 Test Result of Power Spectral Density

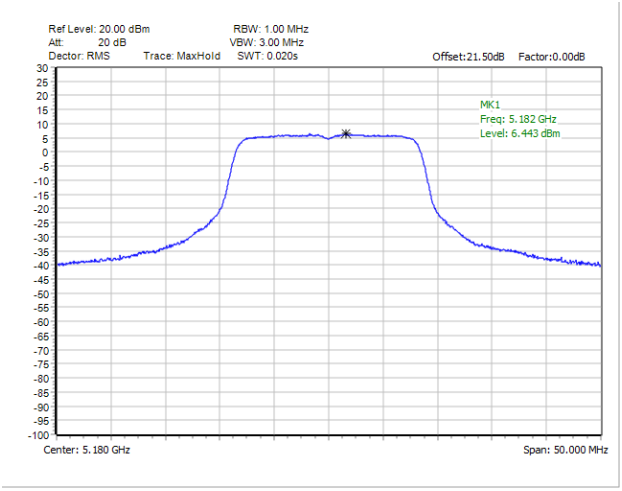
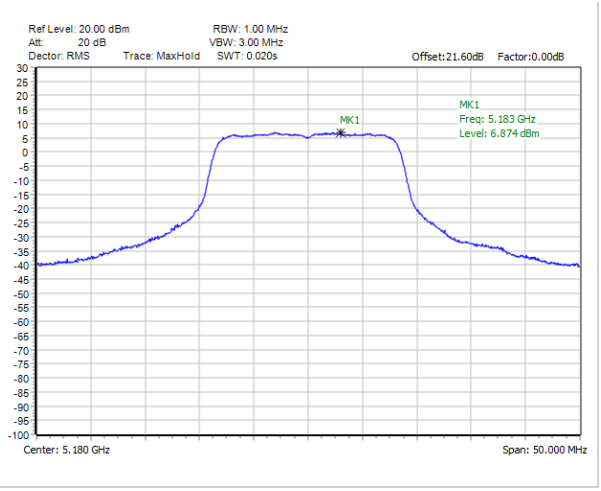
Please refer to Appendix A.

<802.11a>

Maximum Power Density Plot (dBm/MHz)

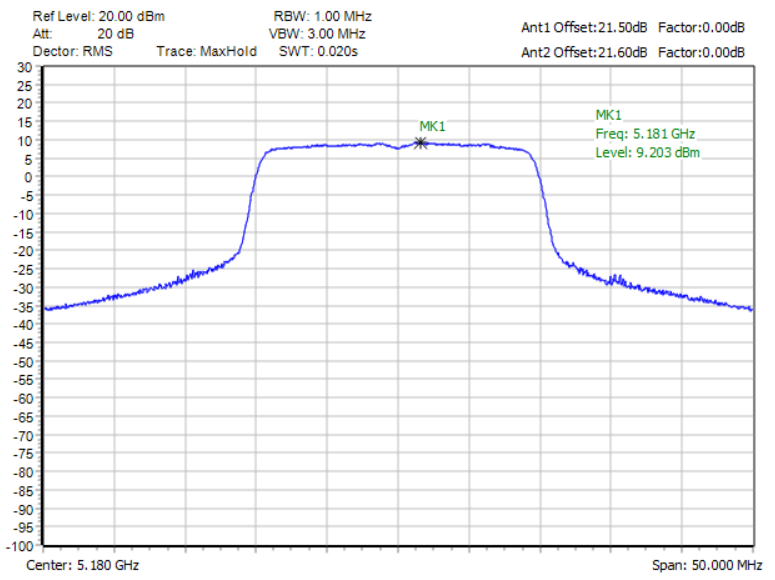


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

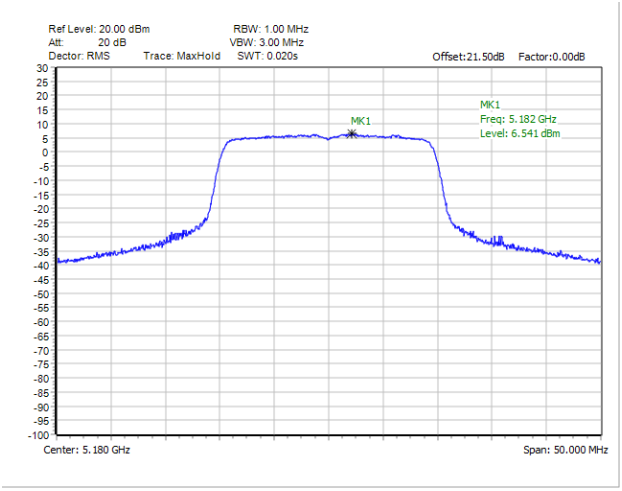
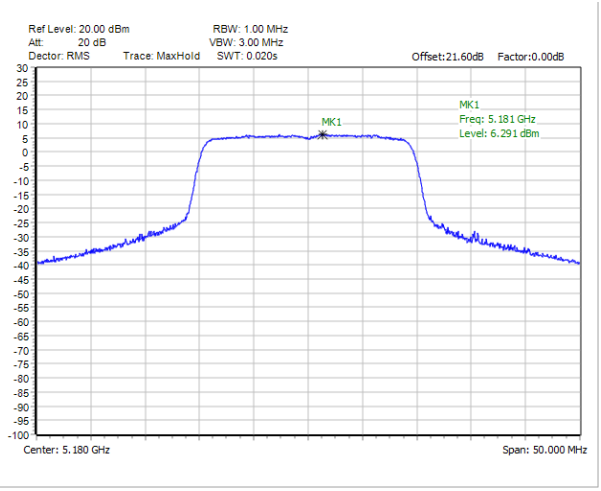
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)

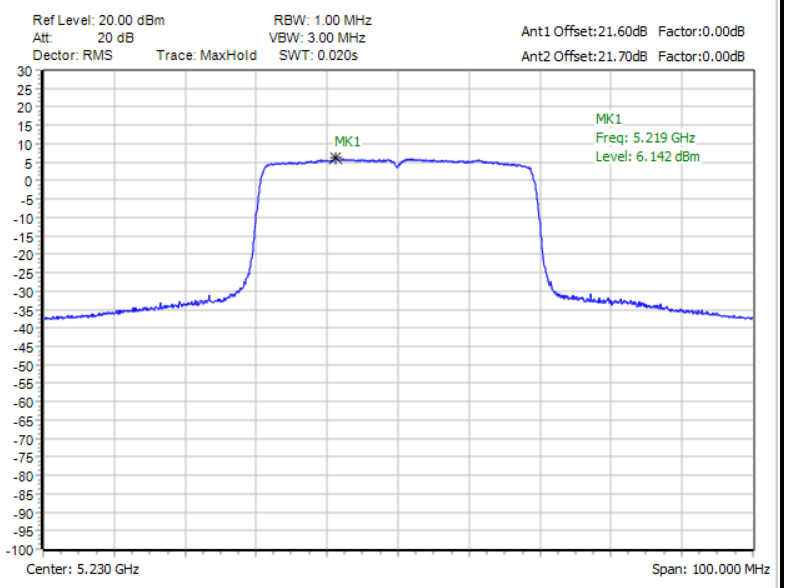


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

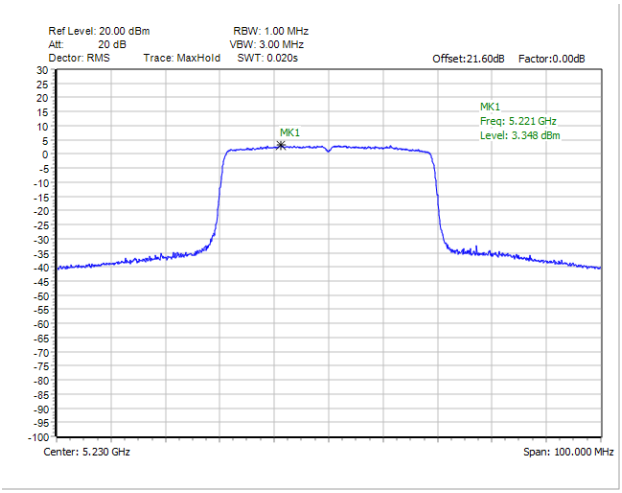
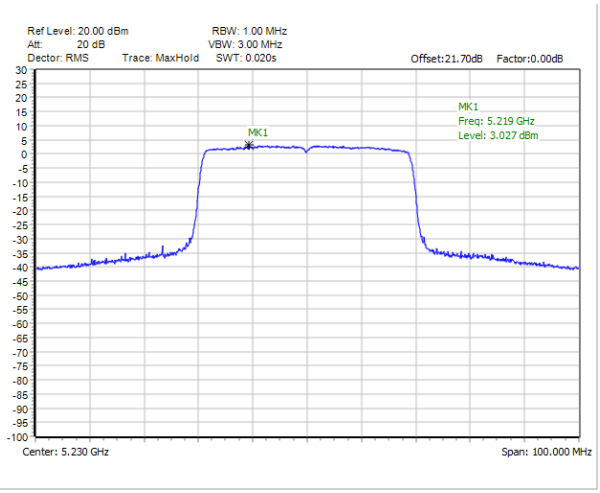
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)

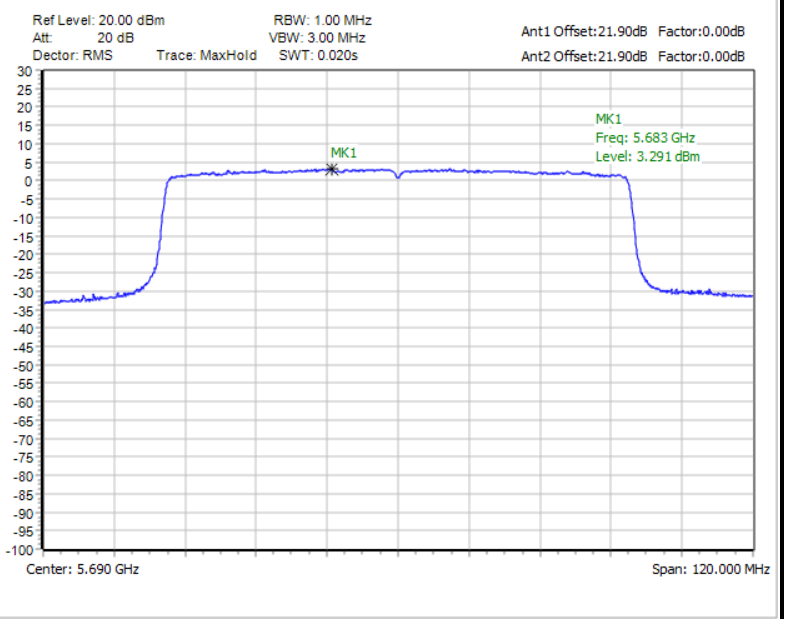


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

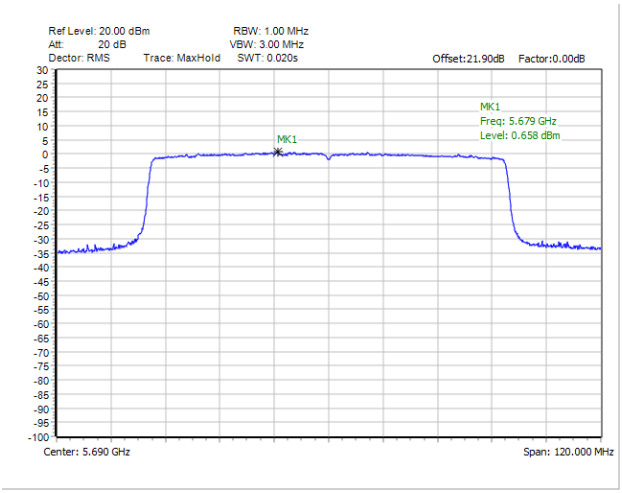
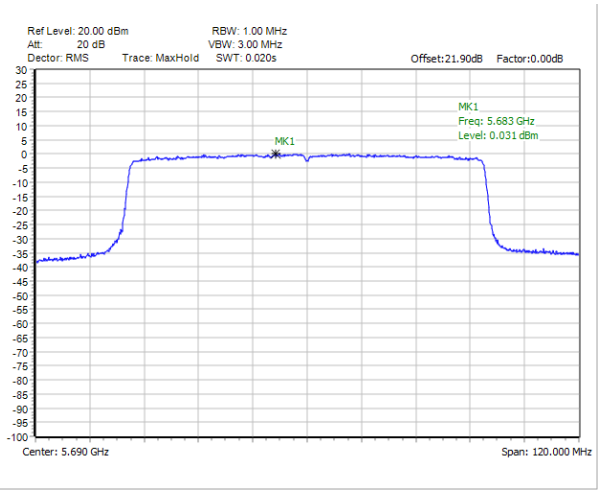
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)



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

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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

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

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

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

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

EIRP (dBm)	Field Strength at 3m (dBμV/m)
- 27	68.3

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

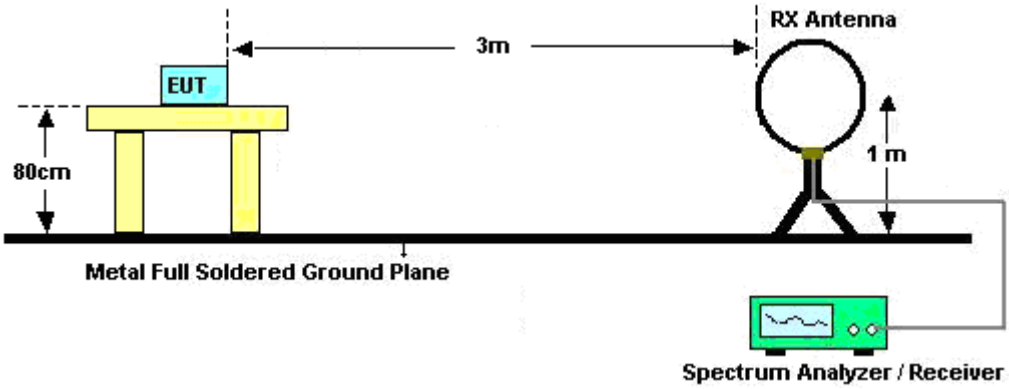
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

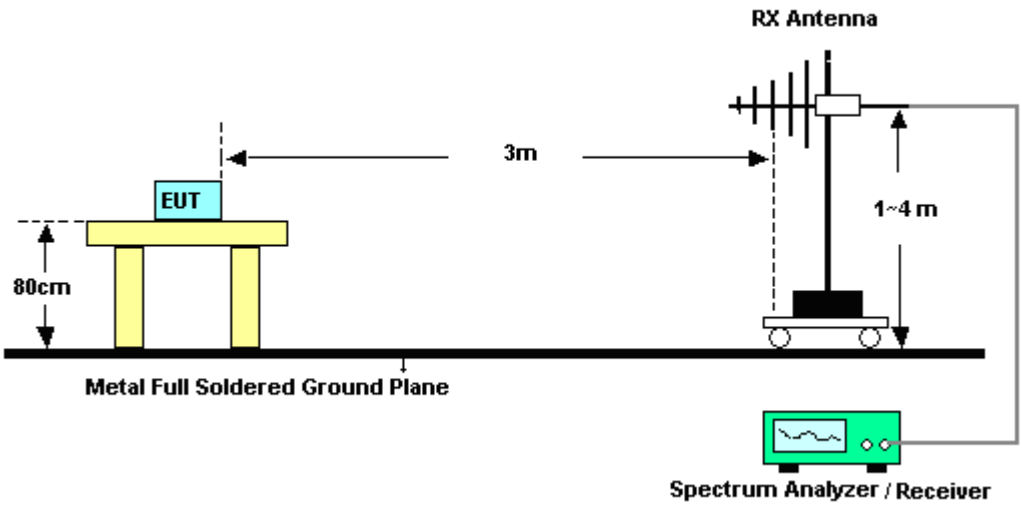
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna 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

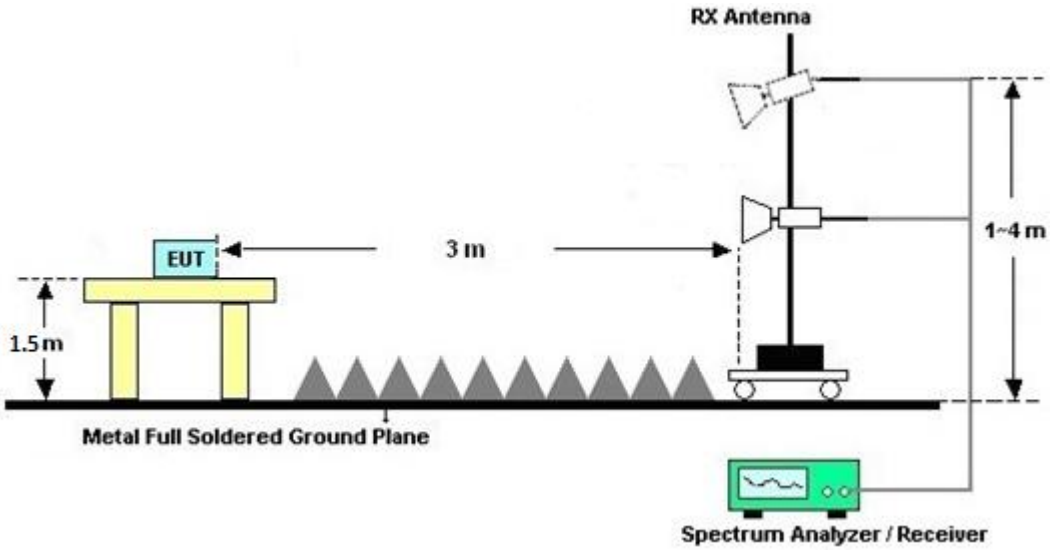
For radiated emissions below 30MHz



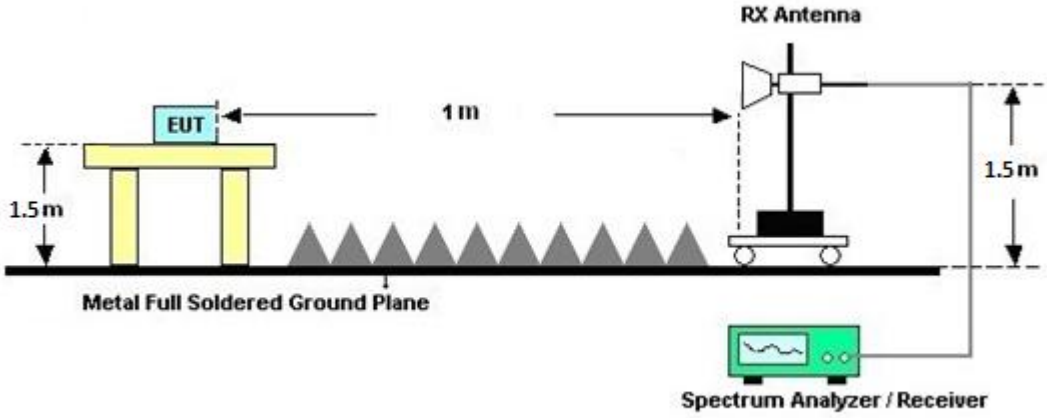
For radiated emissions from 30MHz to 1GHz



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

*Decreases with the logarithm of the frequency.

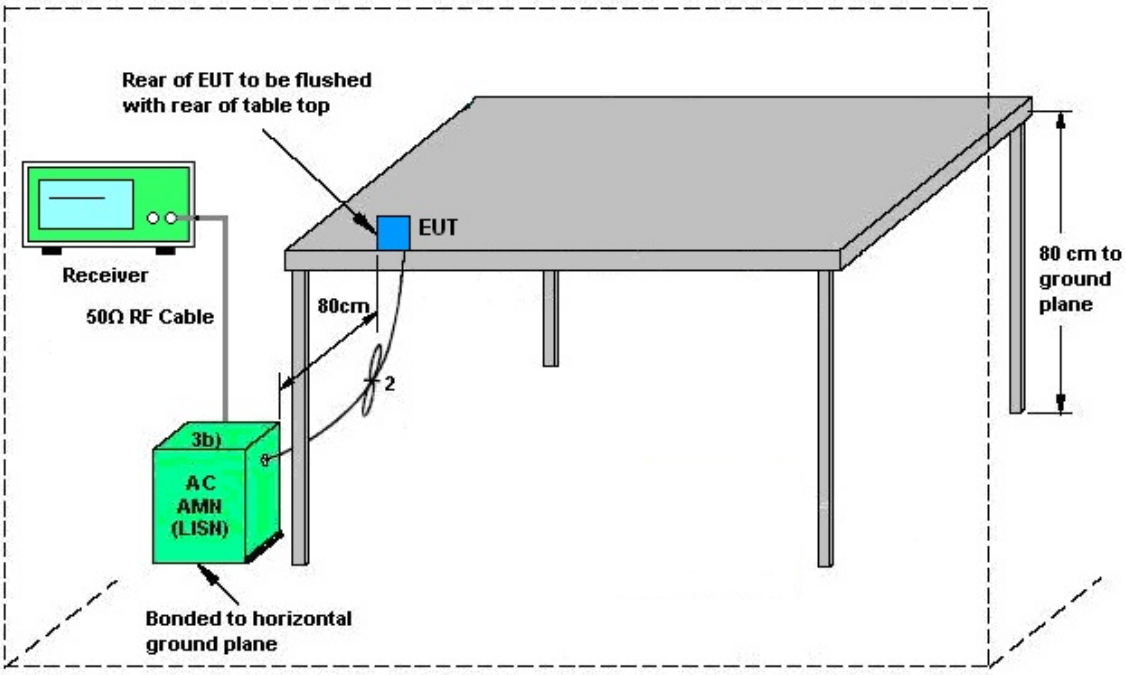
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Mar. 13, 2023~ May 17, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz (amp)	Aug. 03, 2022	Mar. 13, 2023~ May 17, 2023	Aug. 02, 2023	Conducted (TH05-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz~18GHz	Mar. 23, 2023	Apr. 26, 2023~ May 19, 2023	Mar. 22, 2024	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2022	Apr. 26, 2023~ May 19, 2023	Nov. 23, 2023	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz~1GHz	Oct. 08, 2022	Apr. 26, 2023~ May 19, 2023	Oct. 07, 2023	Radiation (03CH16-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Apr. 26, 2023~ May 19, 2023	Sep. 19, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Apr. 26, 2023~ May 19, 2023	Jun. 27, 2023	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 26, 2022	Apr. 26, 2023~ May 19, 2023	Dec. 25, 2023	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2022	Apr. 26, 2023~ May 19, 2023	Dec. 08, 2023	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 04, 2022	Apr. 26, 2023~ May 19, 2023	Jul. 03, 2023	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2022	Apr. 26, 2023~ May 19, 2023	Dec. 14, 2023	Radiation (03CH16-HY)
Signal Analyzer	Keysight	N9010B	MY62170278	10Hz~44GHz	Sep. 11, 2022	Apr. 26, 2023~ May 19, 2023	Sep. 10, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	805935/4	N/A	Aug. 09, 2022	Apr. 26, 2023~ May 19, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	802434/4	N/A	Aug. 09, 2022	Apr. 26, 2023~ May 19, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	N/A	Aug. 09, 2022	Apr. 26, 2023~ May 19, 2023	Aug. 08, 2023	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Apr. 26, 2023~ May 19, 2023	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr. 26, 2023~ May 19, 2023	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr. 26, 2023~ May 19, 2023	N/A	Radiation (03CH16-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 06, 2023~ Sep. 07, 2023	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 06, 2023~ Sep. 07, 2023	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 01, 2022	Sep. 06, 2023~ Sep. 07, 2023	Oct. 31, 2023	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Sep. 06, 2023~ Sep. 07, 2023	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Sep. 06, 2023~ Sep. 07, 2023	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Sep. 06, 2023~ Sep. 07, 2023	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 06, 2022	Sep. 06, 2023~ Sep. 07, 2023	Oct. 05, 2023	Conduction (CO07-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.46 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.5 dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.5 dB

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	River Tsai and Hank Hsu	Temperature:	21~25	°C
Test Date:	2023/3/13~2023/5/17	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.38	16.38	19.92	19.14	-		22.14		-	
11a	6Mbps	2	44	5220	16.38	16.38	19.32	19.20	-		22.14			
11a	6Mbps	2	48	5240	16.43	16.38	20.34	19.20	-		22.14			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	17.30	17.50	20.41	24.00		4.31		-	Pass
11a	6Mbps	2	44	5220	17.60	17.20	20.41	24.00		4.31			Pass
11a	6Mbps	2	48	5240	17.40	17.30	20.36	24.00		4.31			Pass
HT20	MCS0	2	36	5180	17.30	17.40	20.36	24.00		4.31			Pass
HT20	MCS0	2	44	5220	17.40	17.10	20.26	24.00		4.31			Pass
HT20	MCS0	2	48	5240	17.30	17.30	20.31	24.00		4.31			Pass
HT40	MCS0	2	38	5190	17.10	17.20	20.16	24.00		4.31			Pass
HT40	MCS0	2	46	5230	17.30	17.20	20.26	24.00		4.31			Pass
VHT20	MCS0	2	36	5180	17.30	17.40	20.36	24.00		4.31			Pass
VHT20	MCS0	2	44	5220	17.40	17.10	20.26	24.00		4.31			Pass
VHT20	MCS0	2	48	5240	17.30	17.30	20.31	24.00		4.31			Pass
VHT40	MCS0	2	38	5190	17.10	17.20	20.16	24.00		4.31			Pass
VHT40	MCS0	2	46	5230	17.30	17.20	20.26	24.00		4.31			Pass
VHT80	MCS0	2	42	5210	16.90	16.90	19.91	24.00		4.31			Pass

Report Number : FR2N1906D

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (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	-		9.47	10.68		6.32		-	Pass
11a	6Mbps	2	44	5220			9.10	10.68		6.32			Pass
11a	6Mbps	2	48	5240			9.25	10.68		6.32			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.43	16.38	19.92	19.20	23.14		29.14		23.83		-
11a	6Mbps	2	60	5300	16.38	16.38	19.44	19.08	23.14		29.14		23.81		
11a	6Mbps	2	64	5320	16.43	16.38	19.98	19.20	23.14		29.14		23.83		

Report Number : FR2N1906D

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	17.40	17.30	20.36	23.83		3.83		30	Pass
11a	6Mbps	2	60	5300	17.60	16.90	20.27	23.81		3.83		30	Pass
11a	6Mbps	2	64	5320	17.70	17.20	20.47	23.83		3.83		30	Pass
HT20	MCS0	2	52	5260	17.20	17.20	20.21	23.98		3.83		30	Pass
HT20	MCS0	2	60	5300	17.40	16.80	20.12	23.98		3.83		30	Pass
HT20	MCS0	2	64	5320	17.50	17.00	20.27	23.98		3.83		30	Pass
HT40	MCS0	2	54	5270	16.90	17.00	19.96	23.98		3.83		30	Pass
HT40	MCS0	2	62	5310	17.30	16.90	20.11	23.98		3.83		30	Pass
VHT20	MCS0	2	52	5260	17.20	17.20	20.21	23.98		3.83		30	Pass
VHT20	MCS0	2	60	5300	17.40	16.80	20.12	23.98		3.83		30	Pass
VHT20	MCS0	2	64	5320	17.50	17.00	20.27	23.98		3.83		30	Pass
VHT40	MCS0	2	54	5270	16.90	17.00	19.96	23.98		3.83		30	Pass
VHT40	MCS0	2	62	5310	17.30	16.90	20.11	23.98		3.83		30	Pass
VHT80	MCS0	2	58	5290	16.90	16.80	19.86	23.98		3.83		30	Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (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	52	5260	-		9.29	10.77		6.23		-	Pass
11a	6Mbps	2	60	5300			8.98	10.77		6.23			Pass
11a	6Mbps	2	64	5320			9.31	10.77		6.23			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.43	16.38	19.80	19.20	23.14		29.14		23.83		----	----
11a	6Mbps	2	116	5580	16.43	16.38	19.26	19.14	23.14		29.14		23.82		----	----
11a	6Mbps	2	140	5700	16.38	16.38	19.08	19.20	23.14		29.14		23.81		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.29	13.24	15.44	14.60	22.22		28.22		22.64		3.15	3.15

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	17.60	16.80	20.23	23.83		3.11		30	Pass
11a	6Mbps	2	116	5580	17.80	17.00	20.43	23.82		3.11		30	Pass
11a	6Mbps	2	140	5700	17.60	17.00	20.32	23.81		3.11		30	Pass
HT20	MCS0	2	100	5500	17.40	16.70	20.07	23.98		3.11		30	Pass
HT20	MCS0	2	116	5580	17.60	16.90	20.27	23.98		3.11		30	Pass
HT20	MCS0	2	140	5700	17.30	16.70	20.02	23.98		3.11		30	Pass
HT40	MCS0	2	102	5510	17.60	16.80	20.23	23.98		3.11		30	Pass
HT40	MCS0	2	110	5550	17.20	16.70	19.97	23.98		3.11		30	Pass
HT40	MCS0	2	134	5670	17.40	16.70	20.07	23.98		3.11		30	Pass
VHT20	MCS0	2	100	5500	17.40	16.70	20.07	23.98		3.11		30	Pass
VHT20	MCS0	2	116	5580	17.60	16.90	20.27	23.98		3.11		30	Pass
VHT20	MCS0	2	140	5700	17.30	16.70	20.02	23.98		3.11		30	Pass
VHT40	MCS0	2	102	5510	17.60	16.80	20.23	23.98		3.11		30	Pass
VHT40	MCS0	2	110	5550	17.20	16.70	19.97	23.98		3.11		30	Pass
VHT40	MCS0	2	134	5670	17.40	16.70	20.07	23.98		3.11		30	Pass
VHT80	MCS0	2	106	5530	17.30	16.60	19.97	23.98		3.11		30	Pass
VHT80	MCS0	2	122	5610	17.60	17.00	20.32	23.98		3.11		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	17.50	16.70	20.13	22.64		3.11		30	Pass
HT20	MCS0	2	144	5720	17.40	16.60	20.03	23.98		3.11		30	Pass
HT40	MCS0	2	142	5710	17.10	16.70	19.91	23.98		3.11		30	Pass
VHT20	MCS0	2	144	5720	17.40	16.60	20.03	23.98		3.11		30	Pass
VHT40	MCS0	2	142	5710	17.10	16.70	19.91	23.98		3.11		30	Pass
VHT80	MCS0	2	138	5690	17.60	17.10	20.37	23.98		3.11		30	Pass

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TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (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	100	5500	-		9.03	11.00		5.55		-	Pass
11a	6Mbps	2	116	5580			9.11	11.00		5.55			Pass
11a	6Mbps	2	140	5700			9.37	11.00		5.55			Pass

U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	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	144	5720	-		8.97	11.00		5.55		-	Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	18.93	18.98	21.06	21.06	-		22.77		-	-
HE20	MCS0	2	44	5220	Full	18.93	18.93	21.30	21.18	-		22.77			
HE20	MCS0	2	48	5240	Full	18.93	18.88	21.54	21.30	-		22.76			
HE40	MCS0	2	38	5190	Full	38.06	38.06	40.56	40.68	-		23.01			
HE40	MCS0	2	46	5230	Full	37.96	37.96	40.68	40.44	-		23.01			
HE80	MCS0	2	42	5210	Full	77.20	77.20	82.80	82.80	-		23.01			

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TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	36	5180	Full	17.40	17.50	20.46	24.00		4.31		-	Pass
HE20	MCS0	2	36	5180	26/0	8.60	8.60	11.61	24.00		4.31			Pass
HE20	MCS0	2	36	5180	52/37	11.70	11.70	14.71	24.00		4.31			Pass
HE20	MCS0	2	36	5180	106/53	14.40	14.50	17.46	24.00		4.31			Pass
HE20	MCS0	2	44	5220	Full	17.50	17.20	20.36	24.00		4.31			Pass
HE20	MCS0	2	44	5220	26/4	9.60	9.10	12.37	24.00		4.31			Pass
HE20	MCS0	2	44	5220	52/38	11.80	11.50	14.66	24.00		4.31			Pass
HE20	MCS0	2	44	5220	106/53	14.60	14.20	17.41	24.00		4.31			Pass
HE20	MCS0	2	48	5240	Full	17.40	17.40	20.41	24.00		4.31			Pass
HE20	MCS0	2	48	5240	26/8	7.80	7.50	10.66	24.00		4.31			Pass
HE20	MCS0	2	48	5240	52/40	10.80	11.00	13.91	24.00		4.31			Pass
HE20	MCS0	2	48	5240	106/54	14.20	14.00	17.11	24.00		4.31			Pass
HE40	MCS0	2	38	5190	Full	17.20	17.30	20.26	24.00		4.31			Pass
HE40	MCS0	2	46	5230	Full	17.40	17.30	20.36	24.00		4.31			Pass
HE80	MCS0	2	42	5210	Full	17.10	17.00	20.06	24.00		4.31			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (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			9.20	10.68		6.32			Pass
HE20	MCS0	2	36	5180	26/0			9.09	10.68		6.32			Pass
HE20	MCS0	2	36	5180	52/37			9.14	10.68		6.32			Pass
HE20	MCS0	2	36	5180	106/53			8.92	10.68		6.32			Pass
HE20	MCS0	2	44	5220	Full			8.66	10.68		6.32			Pass
HE20	MCS0	2	44	5220	26/4			8.37	10.68		6.32			Pass
HE20	MCS0	2	44	5220	52/38			8.60	10.68		6.32			Pass
HE20	MCS0	2	44	5220	106/53	-		8.41	10.68		6.32		-	Pass
HE20	MCS0	2	48	5240	Full			8.95	10.68		6.32			Pass
HE20	MCS0	2	48	5240	26/8			8.46	10.68		6.32			Pass
HE20	MCS0	2	48	5240	52/40			8.62	10.68		6.32			Pass
HE20	MCS0	2	48	5240	106/54			8.80	10.68		6.32			Pass
HE40	MCS0	2	38	5190	Full			6.13	10.68		6.32			Pass
HE40	MCS0	2	46	5230	Full			6.14	10.68		6.32			Pass
HE80	MCS0	2	42	5210	Full			3.14	10.68		6.32			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	52	5260	Full	18.93	18.93	21.48	21.24	23.77		29.77		23.98		
HE20	MCS0	2	60	5300	Full	18.98	18.93	21.06	20.88	23.77		29.77		23.98		
HE20	MCS0	2	64	5320	Full	18.98	18.88	21.30	21.24	23.76		29.76		23.98		
HE40	MCS0	2	54	5270	Full	38.06	38.06	40.56	40.68	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	37.96	37.96	40.68	40.56	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.20	77.20	82.80	83.04	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	52	5260	Full	17.30	17.30	20.31	23.98		3.83		30	Pass
HE20	MCS0	2	52	5260	26/0	7.90	7.80	10.86	23.98		3.83		30	Pass
HE20	MCS0	2	52	5260	52/37	11.00	11.10	14.06	23.98		3.83		30	Pass
HE20	MCS0	2	52	5260	106/53	14.30	14.20	17.26	23.98		3.83		30	Pass
HE20	MCS0	2	60	5300	Full	17.50	16.90	20.22	23.98		3.83		30	Pass
HE20	MCS0	2	60	5300	26/4	8.90	8.20	11.57	23.98		3.83		30	Pass
HE20	MCS0	2	60	5300	52/38	11.10	10.80	13.96	23.98		3.83		30	Pass
HE20	MCS0	2	60	5300	106/53	14.10	13.60	16.87	23.98		3.83		30	Pass
HE20	MCS0	2	64	5320	Full	17.60	17.10	20.37	23.98		3.83		30	Pass
HE20	MCS0	2	64	5320	26/8	8.30	7.50	10.93	23.98		3.83		30	Pass
HE20	MCS0	2	64	5320	52/40	10.70	10.30	13.51	23.98		3.83		30	Pass
HE20	MCS0	2	64	5320	106/54	14.00	13.40	16.72	23.98		3.83		30	Pass
HE40	MCS0	2	54	5270	Full	17.00	17.10	20.06	23.98		3.83		30	Pass
HE40	MCS0	2	62	5310	Full	17.40	17.00	20.21	23.98		3.83		30	Pass
HE80	MCS0	2	58	5290	Full	17.10	17.00	20.06	23.98		3.83		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (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	52	5260	Full			9.06	10.77		6.23			Pass
HE20	MCS0	2	52	5260	26/0			8.68	10.77		6.23			Pass
HE20	MCS0	2	52	5260	52/37			8.99	10.77		6.23			Pass
HE20	MCS0	2	52	5260	106/53			9.01	10.77		6.23			Pass
HE20	MCS0	2	60	5300	Full			8.76	10.77		6.23			Pass
HE20	MCS0	2	60	5300	26/4			8.43	10.77		6.23			Pass
HE20	MCS0	2	60	5300	52/38			8.71	10.77		6.23			Pass
HE20	MCS0	2	60	5300	106/53	-		8.50	10.77		6.23		-	Pass
HE20	MCS0	2	64	5320	Full			9.06	10.77		6.23			Pass
HE20	MCS0	2	64	5320	26/8			8.99	10.77		6.23			Pass
HE20	MCS0	2	64	5320	52/40			8.82	10.77		6.23			Pass
HE20	MCS0	2	64	5320	106/54			8.59	10.77		6.23			Pass
HE40	MCS0	2	54	5270	Full			6.07	10.77		6.23			Pass
HE40	MCS0	2	62	5310	Full			6.06	10.77		6.23			Pass
HE80	MCS0	2	58	5290	Full			3.17	10.77		6.23			Pass

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TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	100	5500	Full	18.88	18.98	21.06	21.48	23.76		29.76		23.98		----	----
HE20	MCS0	2	116	5580	Full	18.88	18.93	21.54	21.36	23.76		29.76		23.98		----	----
HE20	MCS0	2	140	5700	Full	18.93	18.88	21.60	21.18	23.76		29.76		23.98		----	----
HE40	MCS0	2	102	5510	Full	37.86	37.96	40.80	40.44	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	37.86	37.96	41.04	40.56	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	37.86	37.96	40.68	40.80	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	77.44	77.32	83.04	82.80	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.32	77.32	83.04	83.04	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
						Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
HE20	MCS0	2	144	5720	Full	14.49	14.49	15.68	15.80	22.61		28.61		22.95		4.4	4.4
HE40	MCS0	2	142	5710	Full	33.98	33.98	35.40	35.16	23.98		30.00		23.98		4.08	4.08
HE80	MCS0	2	138	5690	Full	73.72	73.60	76.28	76.76	23.98		30.00		23.98		4.04	3.88

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TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	100	5500	Full	17.50	16.80	20.17	23.98		3.11		30	Pass
HE20	MCS0	2	100	5500	26/0	7.90	7.00	10.48	23.98		3.11		30	Pass
HE20	MCS0	2	100	5500	52/37	11.00	10.80	13.91	23.98		3.11		30	Pass
HE20	MCS0	2	100	5500	106/53	13.80	13.40	16.61	23.98		3.11		30	Pass
HE20	MCS0	2	116	5580	Full	17.70	17.00	20.37	23.98		3.11		30	Pass
HE20	MCS0	2	116	5580	26/4	8.80	8.80	11.81	23.98		3.11		30	Pass
HE20	MCS0	2	116	5580	52/38	11.00	10.90	13.96	23.98		3.11		30	Pass
HE20	MCS0	2	116	5580	106/53	14.40	14.10	17.26	23.98		3.11		30	Pass
HE20	MCS0	2	140	5700	Full	17.40	16.80	20.12	23.98		3.11		30	Pass
HE20	MCS0	2	140	5700	26/8	8.00	7.10	10.58	23.98		3.11		30	Pass
HE20	MCS0	2	140	5700	52/40	11.00	10.40	13.72	23.98		3.11		30	Pass
HE20	MCS0	2	140	5700	106/54	14.30	13.80	17.07	23.98		3.11		30	Pass
HE40	MCS0	2	102	5510	Full	17.70	16.90	20.33	23.98		3.11		30	Pass
HE40	MCS0	2	110	5550	Full	17.30	16.80	20.07	23.98		3.11		30	Pass
HE40	MCS0	2	134	5670	Full	17.50	16.80	20.17	23.98		3.11		30	Pass
HE80	MCS0	2	106	5530	Full	17.40	16.70	20.07	23.98		3.11		30	Pass
HE80	MCS0	2	122	5610	Full	17.70	17.10	20.42	23.98		3.11		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full	17.50	16.70	20.13	22.95		3.11		30	Pass
HE20	MCS0	2	144	5720	26/8	8.50	7.40	11.00	22.95		3.11		30	Pass
HE20	MCS0	2	144	5720	52/40	11.10	10.60	13.87	22.95		3.11		30	Pass
HE20	MCS0	2	144	5720	106/54	14.40	13.80	17.12	22.95		3.11		30	Pass
HE40	MCS0	2	142	5710	Full	17.20	16.80	20.01	23.98		3.11		30	Pass
HE80	MCS0	2	138	5690	Full	17.70	17.20	20.47	23.98		3.11		30	Pass

Report Number : FR2N1906D

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density with Duty Factor (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	100	5500	Full			8.74	11.00		5.55			Pass
HE20	MCS0	2	100	5500	26/0			8.46	11.00		5.55			Pass
HE20	MCS0	2	100	5500	52/37			8.73	11.00		5.55			Pass
HE20	MCS0	2	100	5500	106/53			8.27	11.00		5.55			Pass
HE20	MCS0	2	116	5580	Full			8.81	11.00		5.55			Pass
HE20	MCS0	2	116	5580	26/4			8.58	11.00		5.55			Pass
HE20	MCS0	2	116	5580	52/38			8.80	11.00		5.55			Pass
HE20	MCS0	2	116	5580	106/53			8.68	11.00		5.55			Pass
HE20	MCS0	2	140	5700	Full	-		8.82	11.00		5.55		-	Pass
HE20	MCS0	2	140	5700	26/8			8.36	11.00		5.55			Pass
HE20	MCS0	2	140	5700	52/40			8.51	11.00		5.55			Pass
HE20	MCS0	2	140	5700	106/54			8.72	11.00		5.55			Pass
HE40	MCS0	2	102	5510	Full			5.77	11.00		5.55			Pass
HE40	MCS0	2	110	5550	Full			5.87	11.00		5.55			Pass
HE40	MCS0	2	134	5670	Full			5.66	11.00		5.55			Pass
HE80	MCS0	2	106	5530	Full			2.78	11.00		5.55			Pass
HE80	MCS0	2	122	5610	Full			3.18	11.00		5.55			Pass

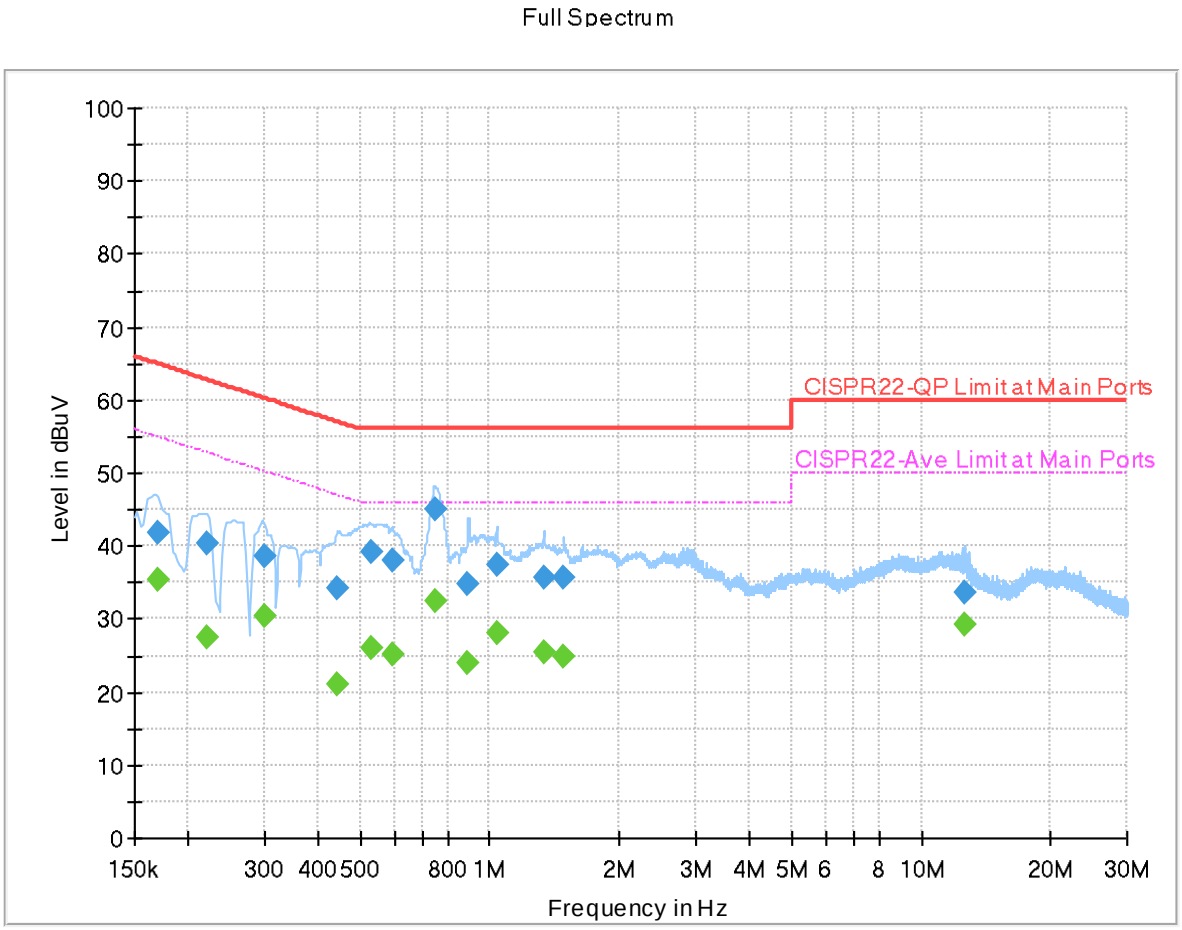
U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	144	5720	Full			8.65	11.00		5.55			Pass
HE20	MCS0	2	144	5720	26/8			8.51	11.00		5.55			Pass
HE20	MCS0	2	144	5720	52/40	-		8.42	11.00		5.55		-	Pass
HE20	MCS0	2	144	5720	106/54			8.50	11.00		5.55			Pass
HE40	MCS0	2	142	5710	Full			5.59	11.00		5.55			Pass
HE80	MCS0	2	138	5690	Full			3.29	11.00		5.55			Pass

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.7~26.7℃
		Relative Humidity :	58.2~65.4%

EUT Information

Report NO :	2N1906
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



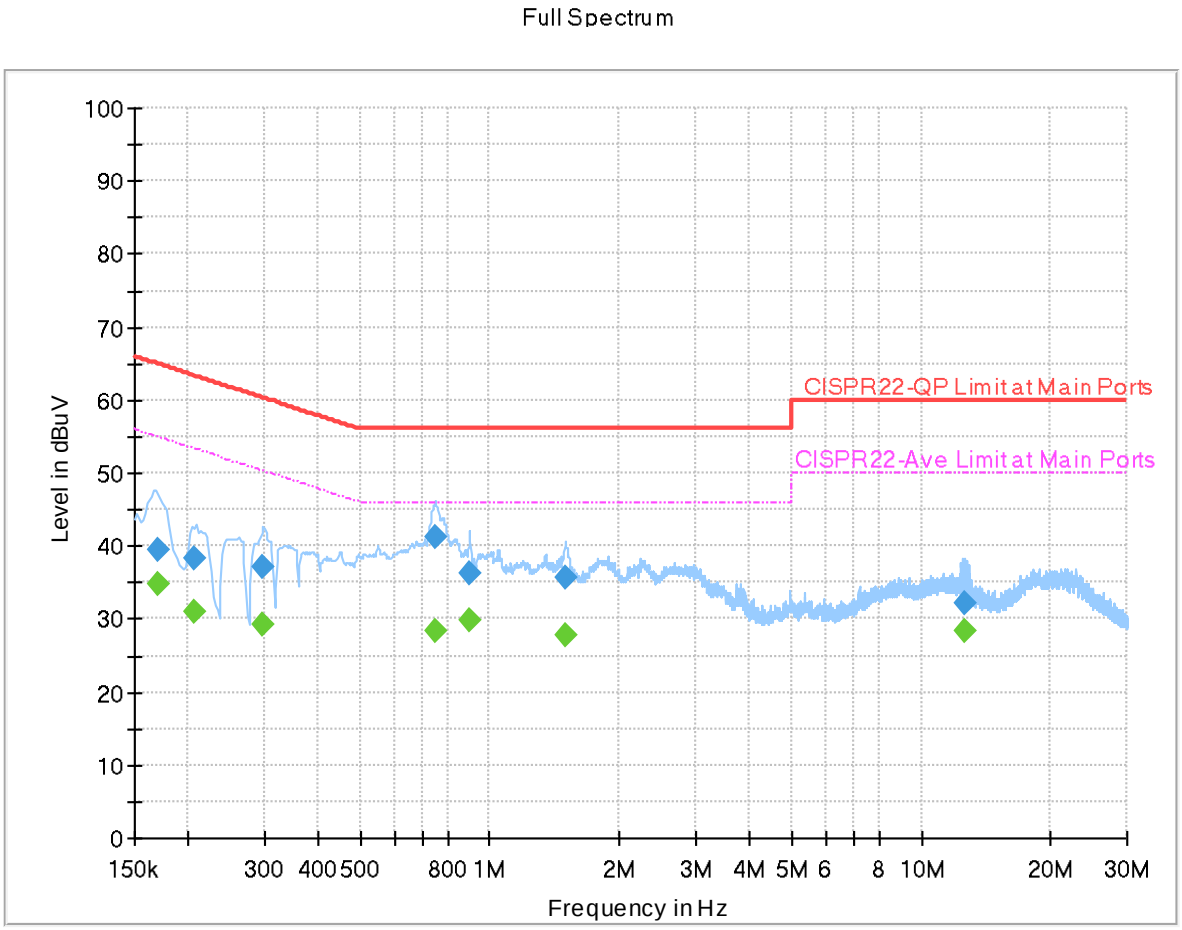
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.170250	---	35.26	54.95	19.69	L1	OFF	19.9
0.170250	41.73	---	64.95	23.22	L1	OFF	19.9
0.220290	---	27.44	52.81	25.37	L1	OFF	20.0
0.220290	40.38	---	62.81	22.43	L1	OFF	20.0
0.300750	---	30.30	50.22	19.92	L1	OFF	20.0
0.300750	38.60	---	60.22	21.62	L1	OFF	20.0
0.441690	---	21.06	47.03	25.97	L1	OFF	20.0
0.441690	34.11	---	57.03	22.92	L1	OFF	20.0
0.532500	---	25.89	46.00	20.11	L1	OFF	20.0
0.532500	39.05	---	56.00	16.95	L1	OFF	20.0
0.596850	---	25.16	46.00	20.84	L1	OFF	20.0
0.596850	37.95	---	56.00	18.05	L1	OFF	20.0
0.744450	---	32.47	46.00	13.53	L1	OFF	20.0
0.744450	45.09	---	56.00	10.91	L1	OFF	20.0
0.889350	---	24.10	46.00	21.90	L1	OFF	20.0
0.889350	34.88	---	56.00	21.12	L1	OFF	20.0
1.044780	---	28.16	46.00	17.84	L1	OFF	20.0
1.044780	37.37	---	56.00	18.63	L1	OFF	20.0
1.332600	---	25.36	46.00	20.64	L1	OFF	20.0

1.332600	35.71	---	56.00	20.29	L1	OFF	20.0
1.486500	---	24.90	46.00	21.10	L1	OFF	20.0
1.486500	35.55	---	56.00	20.45	L1	OFF	20.0
12.589620	---	29.16	50.00	20.84	L1	OFF	20.1
12.589620	33.70	---	60.00	26.30	L1	OFF	20.1

EUT Information

Report NO :	2N1906
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.169710	---	34.86	54.98	20.12	N	OFF	20.0
0.169710	39.47	---	64.98	25.51	N	OFF	20.0
0.207060	---	31.03	53.32	22.29	N	OFF	20.0
0.207060	38.44	---	63.32	24.88	N	OFF	20.0
0.296700	---	29.35	50.34	20.99	N	OFF	20.0
0.296700	37.17	---	60.34	23.17	N	OFF	20.0
0.750930	---	28.33	46.00	17.67	N	OFF	20.0
0.750930	41.22	---	56.00	14.78	N	OFF	20.0
0.899970	---	29.70	46.00	16.30	N	OFF	20.0
0.899970	36.24	---	56.00	19.76	N	OFF	20.0
1.500000	---	27.72	46.00	18.28	N	OFF	20.0
1.500000	35.79	---	56.00	20.21	N	OFF	20.0
12.589440	---	28.32	50.00	21.68	N	OFF	20.1
12.589440	32.11	---	60.00	27.89	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Hao Qun, Gary Guo and Steven Wu	Temperature :	20~25°C
		Relative Humidity :	50~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (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)
802.11a CH 36 5180MHz		5028.86	52.9	-21.1	74	38.11	33.2	10.95	29.36	119	356	P	H
		5147.68	42.42	-11.58	54	27.93	33	10.96	29.47	119	356	A	H
	*	5180	107.83	-	-	93.37	33	10.96	29.5	119	356	P	H
	*	5180	101.87	-	-	87.41	33	10.96	29.5	119	356	A	H
													H
													H
		5106.86	53.25	-20.75	74	38.72	33	10.96	29.43	271	345	P	V
		5031.72	41.95	-12.05	54	27.16	33.2	10.95	29.36	271	345	A	V
	*	5180	105.45	-	-	90.99	33	10.96	29.5	271	345	P	V
	*	5180	98.86	-	-	84.4	33	10.96	29.5	271	345	A	V
													V
													V
802.11a CH 44 5220MHz		5075.4	54.4	-19.6	74	39.75	33.1	10.95	29.4	119	342	P	H
		5062.66	42.31	-11.69	54	27.6	33.15	10.95	29.39	119	342	A	H
	*	5220	109.34	-	-	94.94	32.96	10.98	29.54	119	342	P	H
	*	5220	101.93	-	-	87.53	32.96	10.98	29.54	119	342	A	H
		5407.64	53.15	-20.85	74	38.79	32.9	11.17	29.71	119	342	P	H
		5362.56	41.6	-12.4	54	27.26	32.9	11.11	29.67	119	342	A	H
		5037.18	53.33	-20.67	74	38.54	33.2	10.95	29.36	314	316	P	V
		5065.26	41.86	-12.14	54	27.16	33.14	10.95	29.39	314	316	A	V
	*	5220	105.26	-	-	90.86	32.96	10.98	29.54	314	316	P	V
	*	5220	97.79	-	-	83.39	32.96	10.98	29.54	314	316	A	V
		5425.28	52.84	-21.16	74	38.47	32.9	11.2	29.73	314	316	P	V
		5356.4	41.41	-12.59	54	27.07	32.9	11.11	29.67	314	316	A	V

802.11a CH 48 5240MHz		5075.14	54.51	-19.49	74	39.86	33.1	10.95	29.4	114	345	P	H
		5072.8	42.21	-11.79	54	27.55	33.11	10.95	29.4	114	345	A	H
	*	5240	109.23	-	-	94.87	32.92	11	29.56	114	345	P	H
	*	5240	102.06	-	-	87.7	32.92	11	29.56	114	345	A	H
		5432.28	53.8	-20.2	74	39.43	32.9	11.21	29.74	114	345	P	H
		5395.6	41.54	-12.46	54	27.19	32.9	11.15	29.7	114	345	A	H
		5106.08	53.52	-20.48	74	38.99	33	10.96	29.43	300	353	P	V
		5079.04	41.91	-12.09	54	27.28	33.08	10.95	29.4	300	353	A	V
	*	5240	104.71	-	-	90.35	32.92	11	29.56	300	353	P	V
	*	5240	97.82	-	-	83.46	32.92	11	29.56	300	353	A	V
		5405.96	52.42	-21.58	74	38.07	32.9	11.16	29.71	300	353	P	V
		5421.36	41.29	-12.71	54	26.93	32.9	11.19	29.73	300	353	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		10360	46.36	-21.84	68.2	58.6	38.7	16.22	67.16	-	-	P	H
		15540	46.09	-27.91	74	55.35	37.54	19.81	66.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	46.58	-21.62	68.2	58.82	38.7	16.22	67.16	-	-	P	V
		15540	46.62	-27.38	74	55.88	37.54	19.81	66.61	-	-	P	V
													V
													V
													V
													V
													V
													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 44 5220MHz		10440	46.94	-21.26	68.2	59.04	38.74	16.28	67.12	-	-	P	H
		15660	47.8	-26.2	74	56.58	38.14	19.87	66.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	46.57	-21.63	68.2	58.67	38.74	16.28	67.12	-	-	P	V
		15660	47.93	-26.07	74	56.71	38.14	19.87	66.79	-	-	P	V
													V
													V
													V
													V
													V
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													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		10480	47.74	-20.46	68.2	59.75	38.78	16.31	67.1	-	-	P	H
		15720	47.16	-26.84	74	56.07	38.06	19.91	66.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	46.61	-21.59	68.2	58.62	38.78	16.31	67.1	-	-	P	V
		15720	47.05	-26.95	74	55.96	38.06	19.91	66.88	-	-	P	V
													V
													V
													V
													V
													V
													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.												

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		5103.48	53.38	-20.62	74	38.85	33	10.96	29.43	125	342	P	H
		5145.6	42.82	-11.18	54	28.33	33	10.96	29.47	125	342	A	H
	*	5180	109.69	-	-	95.23	33	10.96	29.5	125	342	P	H
	*	5180	102.35	-	-	87.89	33	10.96	29.5	125	342	A	H
													H
													H
		5017.94	52.96	-21.04	74	38.16	33.2	10.95	29.35	300	355	P	V
		5147.42	41.84	-12.16	54	27.35	33	10.96	29.47	300	355	A	V
	*	5180	105.74	-	-	91.28	33	10.96	29.5	300	355	P	V
	*	5180	97.45	-	-	82.99	33	10.96	29.5	300	355	A	V
													V
													V
802.11ax HE20 Full CH 44 5220MHz		5113.1	53.58	-20.42	74	39.06	33	10.96	29.44	119	342	P	H
		5061.62	42.31	-11.69	54	27.6	33.15	10.95	29.39	119	342	A	H
	*	5220	111.15	-	-	96.75	32.96	10.98	29.54	119	342	P	H
	*	5220	101.97	-	-	87.57	32.96	10.98	29.54	119	342	A	H
		5397.84	53.15	-20.85	74	38.8	32.9	11.15	29.7	119	342	P	H
		5353.6	41.66	-12.34	54	27.31	32.9	11.11	29.66	119	342	A	H
		5072.02	53.39	-20.61	74	38.73	33.11	10.95	29.4	313	317	P	V
		5046.8	41.78	-12.22	54	27	33.2	10.95	29.37	313	317	A	V
	*	5220	106.07	-	-	91.67	32.96	10.98	29.54	313	317	P	V
	*	5220	97.35	-	-	82.95	32.96	10.98	29.54	313	317	A	V
		5409.6	52.78	-21.22	74	38.43	32.9	11.17	29.72	313	317	P	V
		5390	41.34	-12.66	54	27	32.9	11.14	29.7	313	317	A	V

802.11ax HE20 Full CH 48 5240MHz		5127.14	53.67	-20.33	74	39.16	33	10.96	29.45	104	344	P	H
		5051.48	42.17	-11.83	54	27.41	33.19	10.95	29.38	104	344	A	H
	*	5240	109.6	-	-	95.24	32.92	11	29.56	104	344	P	H
	*	5240	101.65	-	-	87.29	32.92	11	29.56	104	344	A	H
		5376.28	52.49	-21.51	74	38.14	32.9	11.13	29.68	104	344	P	H
		5354.16	41.66	-12.34	54	27.31	32.9	11.11	29.66	104	344	A	H
		5001.3	53.32	-20.68	74	38.5	33.2	10.95	29.33	326	323	P	V
		5072.54	41.72	-12.28	54	27.06	33.11	10.95	29.4	326	323	A	V
	*	5240	106.76	-	-	92.4	32.92	11	29.56	326	323	P	V
	*	5240	99.06	-	-	84.7	32.92	11	29.56	326	323	A	V
		5369.28	53.07	-20.93	74	38.73	32.9	11.12	29.68	326	323	P	V
		5390	41.53	-12.47	54	27.19	32.9	11.14	29.7	326	323	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)
		10360	46.81	-21.39	68.2	59.05	38.7	16.22	67.16	-	-	P	H
		15540	46.68	-27.32	74	55.94	37.54	19.81	66.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 36		10360	47.03	-21.17	68.2	59.27	38.7	16.22	67.16	-	-	P	V
5180MHz		15540	46.27	-27.73	74	55.53	37.54	19.81	66.61	-	-	P	V
													V
													V
													V
													V
													V
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													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)
		10440	47.18	-21.02	68.2	59.32	38.7	16.28	67.12	-	-	P	H
		15660	47.03	-26.97	74	56.69	37.26	19.87	66.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 44		10440	47.03	-21.17	68.2	59.17	38.7	16.28	67.12	-	-	P	V
5220MHz		15660	46	-28	74	55.66	37.26	19.87	66.79	-	-	P	V
													V
													V
													V
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													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)
		10480	46.88	-21.32	68.2	58.97	38.7	16.31	67.1	-	-	P	H
		15720	47.15	-26.85	74	56.62	37.5	19.91	66.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 48		10480	47.76	-20.44	68.2	59.85	38.7	16.31	67.1	-	-	P	V
5240MHz		15720	47.45	-26.55	74	56.92	37.5	19.91	66.88	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 1 5150~5250MHz

WIFI 802.11ax HE20 Partial 106 (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 Partial 106/53 CH 36 5180MHz		5075.66	55.27	-18.73	74	40.62	33.1	10.95	29.4	100	360	P	H
		5031.98	42.08	-11.92	54	27.29	33.2	10.95	29.36	100	360	A	H
	*	5180	105.04	-	-	90.58	33	10.96	29.5	100	360	P	H
	*	5180	96.31	-	-	81.85	33	10.96	29.5	100	360	A	H
													H
													H
		5096.98	54.28	-19.72	74	39.74	33.01	10.95	29.42	385	360	P	V
		5053.04	41.83	-12.17	54	27.07	33.19	10.95	29.38	385	360	A	V
	*	5180	104.44	-	-	89.98	33	10.96	29.5	385	360	P	V
	*	5180	95.34	-	-	80.88	33	10.96	29.5	385	360	A	V
													V
													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 (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		5143	54.85	-19.15	74	40.35	33	10.96	29.46	123	343	P	H
		5149.76	43.49	-10.51	54	29	33	10.96	29.47	123	343	A	H
	*	5190	107.29	-	-	92.84	33	10.96	29.51	123	343	P	H
	*	5190	98.64	-	-	84.19	33	10.96	29.51	123	343	A	H
		5363.12	53.43	-20.57	74	39.09	32.9	11.11	29.67	123	343	P	H
		5351.92	41.77	-12.23	54	27.43	32.9	11.1	29.66	123	343	A	H
		5052	53.93	-20.07	74	39.17	33.19	10.95	29.38	300	316	P	V
		5149.24	42.17	-11.83	54	27.68	33	10.96	29.47	300	316	A	V
	*	5190	102.16	-	-	87.71	33	10.96	29.51	300	316	P	V
	*	5190	94.56	-	-	80.11	33	10.96	29.51	300	316	A	V
		5355.56	53.36	-20.64	74	39.01	32.9	11.11	29.66	300	316	P	V
		5351.92	41.31	-12.69	54	26.97	32.9	11.1	29.66	300	316	A	V
802.11ax HE40 Full CH 46 5230MHz		5122.72	54.68	-19.32	74	40.17	33	10.96	29.45	134	343	P	H
		5084.76	42.39	-11.61	54	27.79	33.06	10.95	29.41	134	343	A	H
	*	5230	106.01	-	-	91.63	32.94	10.99	29.55	134	343	P	H
	*	5230	98.17	-	-	83.79	32.94	10.99	29.55	134	343	A	H
		5428.08	52.81	-21.19	74	38.43	32.9	11.21	29.73	134	343	P	H
		5350.8	41.91	-12.09	54	27.57	32.9	11.1	29.66	134	343	A	H
		5065.26	53.45	-20.55	74	38.75	33.14	10.95	29.39	259	320	P	V
		5055.64	41.77	-12.23	54	27.02	33.18	10.95	29.38	259	320	A	V
	*	5230	102.78	-	-	88.4	32.94	10.99	29.55	259	320	P	V
	*	5230	95.2	-	-	80.82	32.94	10.99	29.55	259	320	A	V
		5397.84	53.21	-20.79	74	38.86	32.9	11.15	29.7	259	320	P	V
		5405.12	41.39	-12.61	54	27.04	32.9	11.16	29.71	259	320	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)
		10380	47.36	-20.84	68.2	59.58	38.7	16.23	67.15	-	-	P	H
		15570	46.75	-27.25	74	56.13	37.46	19.82	66.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 38		10380	46.83	-21.37	68.2	59.05	38.7	16.23	67.15	-	-	P	V
5190MHz		15570	46.46	-27.54	74	55.84	37.46	19.82	66.66	-	-	P	V
													V
													V
													V
													V
													V
													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)
		10460	47.8	-20.4	68.2	59.92	38.7	16.29	67.11	-	-	P	H
		15690	47.87	-26.13	74	57.38	37.44	19.89	66.84	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 46		10460	47.14	-21.06	68.2	59.26	38.7	16.29	67.11	-	-	P	V
5230MHz		15690	48.23	-25.77	74	57.74	37.44	19.89	66.84	100	124	P	V
		15690	37.62	-16.38	54	47.13	37.44	19.89	66.84	100	124	A	V
													V
													V
													V
													V
													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.

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		5148.72	55.85	-18.15	74	41.36	33	10.96	29.47	124	342	P	H
		5146.9	44.65	-9.35	54	30.16	33	10.96	29.47	124	342	A	H
	*	5210	102.73	-	-	88.31	32.98	10.97	29.53	124	342	P	H
	*	5210	95.36	-	-	80.94	32.98	10.97	29.53	124	342	A	H
		5364.24	52.93	-21.07	74	38.58	32.9	11.12	29.67	124	342	P	H
		5350.24	42.01	-11.99	54	27.67	32.9	11.1	29.66	124	342	A	H
		5007.8	54.34	-19.66	74	39.53	33.2	10.95	29.34	312	323	P	V
		5146.12	42.34	-11.66	54	27.85	33	10.96	29.47	312	323	A	V
	*	5210	100.58	-	-	86.16	32.98	10.97	29.53	312	323	P	V
	*	5210	92.35	-	-	77.93	32.98	10.97	29.53	312	323	A	V
		5397	52.89	-21.11	74	38.54	32.9	11.15	29.7	312	323	P	V
		5350.8	41.69	-12.31	54	27.35	32.9	11.1	29.66	312	323	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)

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)
		10421	48.21	-19.99	68.2	60.38	38.7	16.26	67.13	-	-	P	H
		15630	45.9	-28.1	74	55.52	37.28	19.85	66.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 42		10420	46.93	-21.27	68.2	59.1	38.7	16.26	67.13	-	-	P	V
5210MHz		15630	46.22	-27.78	74	55.84	37.28	19.85	66.75	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 2 - 5250~5350MHz

WIFI 802.11a (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)
802.11a CH 52 5260MHz		5078.88	53.58	-20.42	74	38.95	33.08	10.95	29.4	170	355	P	H
		5144.84	42.2	-11.8	54	27.71	33	10.96	29.47	170	355	A	H
	*	5260	109.31	-	-	94.94	32.92	11.02	29.57	170	355	P	H
	*	5260	102.75	-	-	88.38	32.92	11.02	29.57	170	355	A	H
		5422.08	54.03	-19.97	74	39.67	32.9	11.19	29.73	170	355	P	H
		5350.56	42.17	-11.83	54	27.83	32.9	11.1	29.66	170	355	A	H
		5032.64	53.2	-20.8	74	38.41	33.2	10.95	29.36	344	326	P	V
		5082.62	41.78	-12.22	54	27.17	33.07	10.95	29.41	344	326	A	V
	*	5260	105.26	-	-	90.89	32.92	11.02	29.57	344	326	P	V
	*	5260	98.96	-	-	84.59	32.92	11.02	29.57	344	326	A	V
		5400.96	53.04	-20.96	74	38.7	32.9	11.15	29.71	344	326	P	V
		5350.08	41.5	-12.5	54	27.16	32.9	11.1	29.66	344	326	A	V
802.11a CH 60 5300MHz		5067.32	54.33	-19.67	74	39.64	33.13	10.95	29.39	169	355	P	H
		5149.26	42.08	-11.92	54	27.59	33	10.96	29.47	169	355	A	H
	*	5300	109.14	-	-	94.69	33	11.06	29.61	169	355	P	H
	*	5300	102.15	-	-	87.7	33	11.06	29.61	169	355	A	H
		5417.04	53.17	-20.83	74	38.81	32.9	11.18	29.72	169	355	P	H
		5446.08	42.07	-11.93	54	27.68	32.9	11.24	29.75	169	355	A	H
		5139.74	52.64	-21.36	74	38.14	33	10.96	29.46	301	315	P	V
		5131.58	41.73	-12.27	54	27.22	33	10.96	29.45	301	315	A	V
	*	5300	104.95	-	-	90.5	33	11.06	29.61	301	315	P	V
	*	5300	98.14	-	-	83.69	33	11.06	29.61	301	315	A	V
		5394.72	52.61	-21.39	74	38.27	32.9	11.14	29.7	301	315	P	V
		5454.24	41.4	-12.6	54	27	32.9	11.26	29.76	301	315	A	V

802.11a CH 64 5320MHz	*	5320	109.7	-	-	95.3	32.96	11.07	29.63	128	351	P	H
	*	5320	102.41	-	-	88.01	32.96	11.07	29.63	128	351	A	H
		5360.32	54.18	-19.82	74	39.84	32.9	11.11	29.67	128	351	P	H
		5350.24	42.35	-11.65	54	28.01	32.9	11.1	29.66	128	351	A	H
													H
													H
	*	5320	106.43	-	-	92.03	32.96	11.07	29.63	319	325	P	V
	*	5320	99.98	-	-	85.58	32.96	11.07	29.63	319	325	A	V
		5395.52	53.16	-20.84	74	38.81	32.9	11.15	29.7	319	325	P	V
		5351.68	41.65	-12.35	54	27.31	32.9	11.1	29.66	319	325	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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 52 5260MHz		10520	47.63	-20.57	68.2	59.47	38.86	16.35	67.05	-	-	P	H
		15780	47.9	-26.1	74	57	37.94	19.94	66.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	47.02	-21.18	68.2	58.86	38.86	16.35	67.05	-	-	P	V
		15780	47.87	-26.13	74	56.97	37.94	19.94	66.98	-	-	P	V
													V
													V
													V
													V
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													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 60 5300MHz		10600	47.41	-26.59	74	58.8	39.1	16.41	66.9	-	-	P	H
		15900	47.28	-26.72	74	56.44	38	20	67.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	47.71	-26.29	74	59.1	39.1	16.41	66.9	-	-	P	V
		15900	47	-27	74	56.16	38	20	67.16	-	-	P	V
													V
													V
													V
													V
													V
													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 64 5320MHz		10640	47.21	-26.79	74	58.46	39.14	16.44	66.83	-	-	P	H
		15960	46.98	-27.02	74	56.2	38	20.03	67.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	47.86	-26.14	74	59.11	39.14	16.44	66.83	-	-	P	V
		15960	47.06	-26.94	74	56.28	38	20.03	67.25	-	-	P	V
													V
													V
													V
													V
													V
													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.												

Band 2 5250~5350MHz

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 52 5260MHz		5126.14	53.97	-20.03	74	39.46	33	10.96	29.45	150	357	P	H
		5144.16	42.2	-11.8	54	27.71	33	10.96	29.47	150	357	A	H
	*	5260	110.49	-	-	96.12	32.92	11.02	29.57	150	357	P	H
	*	5260	102.49	-	-	88.12	32.92	11.02	29.57	150	357	A	H
		5377.68	52.93	-21.07	74	38.59	32.9	11.13	29.69	150	357	P	H
		5400.72	42.16	-11.84	54	27.82	32.9	11.15	29.71	150	357	A	H
		5085	53.04	-20.96	74	38.44	33.06	10.95	29.41	327	331	P	V
		5079.56	41.82	-12.18	54	27.19	33.08	10.95	29.4	327	331	A	V
	*	5260	107.03	-	-	92.66	32.92	11.02	29.57	327	331	P	V
	*	5260	99.26	-	-	84.89	32.92	11.02	29.57	327	331	A	V
		5413.68	53.09	-20.91	74	38.73	32.9	11.18	29.72	327	331	P	V
		5408.64	41.41	-12.59	54	27.05	32.9	11.17	29.71	327	331	A	V
802.11ax HE20 Full CH 60 5300MHz		5107.78	54.08	-19.92	74	39.55	33	10.96	29.43	157	357	P	H
		5135.32	42.13	-11.87	54	27.63	33	10.96	29.46	157	357	A	H
	*	5300	110.5	-	-	96.05	33	11.06	29.61	157	357	P	H
	*	5300	102.06	-	-	87.61	33	11.06	29.61	157	357	A	H
		5442.96	53.45	-20.55	74	39.06	32.9	11.24	29.75	157	357	P	H
		5439.84	41.98	-12.02	54	27.59	32.9	11.23	29.74	157	357	A	H
		5085.68	52.84	-21.16	74	38.24	33.06	10.95	29.41	337	327	P	V
		5148.92	41.74	-12.26	54	27.25	33	10.96	29.47	337	327	A	V
	*	5300	107.2	-	-	92.75	33	11.06	29.61	337	327	P	V
	*	5300	99.13	-	-	84.68	33	11.06	29.61	337	327	A	V
		5415.36	52.71	-21.29	74	38.35	32.9	11.18	29.72	337	327	P	V
		5356.32	41.4	-12.6	54	27.05	32.9	11.11	29.66	337	327	A	V

	*	5320	109.63	-	-	95.23	32.96	11.07	29.63	142	357	P	H
	*	5320	102.86	-	-	88.46	32.96	11.07	29.63	142	357	A	H
		5377.28	54.1	-19.9	74	39.75	32.9	11.13	29.68	142	357	P	H
		5350.24	42.74	-11.26	54	28.4	32.9	11.1	29.66	142	357	A	H
802.11ax													H
HE20 Full													H
CH 64	*	5320	108.66	-	-	94.26	32.96	11.07	29.63	338	329	P	V
5320MHz	*	5320	99.57	-	-	85.17	32.96	11.07	29.63	338	329	A	V
		5452.16	53.33	-20.67	74	38.94	32.9	11.25	29.76	338	329	P	V
		5350.08	41.8	-12.2	54	27.46	32.9	11.1	29.66	338	329	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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)
		10520	47.02	-21.18	68.2	58.98	38.74	16.35	67.05	-	-	P	H
		15780	46.61	-27.39	74	56.39	37.26	19.94	66.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 52		10520	47.43	-20.77	68.2	59.39	38.74	16.35	67.05	-	-	P	V
5260MHz		15780	47.44	-26.56	74	57.22	37.26	19.94	66.98	-	-	P	V
													V
													V
													V
													V
													V
													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)
		10600	47.51	-26.49	74	59	39	16.41	66.9	-	-	P	H
		15900	45.7	-28.3	74	55.66	37.2	20	67.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 60		10600	47.11	-26.89	74	58.6	39	16.41	66.9	-	-	P	V
5300MHz		15900	46.16	-27.84	74	56.12	37.2	20	67.16	-	-	P	V
													V
													V
													V
													V
													V
													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)
		10640	46.94	-27.06	74	58.17	39.16	16.44	66.83	-	-	P	H
		15960	46.93	-27.07	74	56.73	37.42	20.03	67.25	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 64		10640	47.43	-26.57	74	58.66	39.16	16.44	66.83	-	-	P	V
5320MHz		15960	46.36	-27.64	74	56.16	37.42	20.03	67.25	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 2 5250~5350MHz

WIFI 802.11ax HE20 Partial 106 (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 Partial 106/54 CH 64 5320MHz	*	5320	109.06	-	-	94.66	32.96	11.07	29.63	199	7	P	H
	*	5320	101.49	-	-	87.09	32.96	11.07	29.63	199	7	A	H
		5399.04	54.27	-19.73	74	39.93	32.9	11.15	29.71	199	7	P	H
		5350.08	41.75	-12.25	54	27.41	32.9	11.1	29.66	199	7	A	H
													H
													H
	*	5320	107.23	-	-	92.83	32.96	11.07	29.63	309	335	P	V
	*	5320	98.87	-	-	84.47	32.96	11.07	29.63	309	335	A	V
		5426.56	53.53	-20.47	74	39.16	32.9	11.2	29.73	309	335	P	V
		5350.08	41.27	-12.73	54	26.93	32.9	11.1	29.66	309	335	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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 54 5270MHz		5094.86	53.48	-20.52	74	38.93	33.02	10.95	29.42	142	355	P	H
		5140.42	42.19	-11.81	54	27.69	33	10.96	29.46	142	355	A	H
	*	5270	107.74	-	-	93.35	32.94	11.03	29.58	142	355	P	H
	*	5270	98.98	-	-	84.59	32.94	11.03	29.58	142	355	A	H
		5431.44	53.84	-20.16	74	39.47	32.9	11.21	29.74	142	355	P	H
		5422.8	42.2	-11.8	54	27.83	32.9	11.2	29.73	142	355	A	H
		5008.16	53.74	-20.26	74	38.93	33.2	10.95	29.34	323	328	P	V
		5136	41.74	-12.26	54	27.24	33	10.96	29.46	323	328	A	V
	*	5270	105.65	-	-	91.26	32.94	11.03	29.58	323	328	P	V
	*	5270	96.08	-	-	81.69	32.94	11.03	29.58	323	328	A	V
		5442	52.92	-21.08	74	38.54	32.9	11.23	29.75	323	328	P	V
		5427.84	41.44	-12.56	54	27.06	32.9	11.21	29.73	323	328	A	V
802.11ax HE40 Full CH 62 5310MHz		5028.22	53.29	-20.71	74	38.5	33.2	10.95	29.36	160	356	P	H
		5147.9	42.1	-11.9	54	27.61	33	10.96	29.47	160	356	A	H
	*	5310	107.83	-	-	93.41	32.98	11.06	29.62	160	356	P	H
	*	5310	98.95	-	-	84.53	32.98	11.06	29.62	160	356	A	H
		5352.48	54.47	-19.53	74	40.13	32.9	11.1	29.66	160	356	P	H
		5350.08	45.43	-8.57	54	31.09	32.9	11.1	29.66	160	356	A	H
		5141.1	53.97	-20.03	74	39.47	33	10.96	29.46	341	330	P	V
		5055.42	41.73	-12.27	54	26.98	33.18	10.95	29.38	341	330	A	V
	*	5310	104.68	-	-	90.26	32.98	11.06	29.62	341	330	P	V
	*	5310	96.5	-	-	82.08	32.98	11.06	29.62	341	330	A	V
		5396.88	53.4	-20.6	74	39.05	32.9	11.15	29.7	341	330	P	V
		5350.8	43.44	-10.56	54	29.1	32.9	11.1	29.66	341	330	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

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)
		10540	45.8	-22.4	68.2	57.68	38.78	16.36	67.02	-	-	P	H
		15810	45.04	-28.96	74	55.03	37.08	19.95	67.02	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 54		10540	45.8	-22.4	68.2	57.68	38.78	16.36	67.02	-	-	P	V
5270MHz		15810	45.54	-28.46	74	55.53	37.08	19.95	67.02	-	-	P	V
													V
													V
													V
													V
													V
													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)
		10620	47.63	-26.37	74	58.99	39.08	16.43	66.87	-	-	P	H
		15930	45.84	-28.16	74	55.71	37.32	20.01	67.2	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 62		10620	47.94	-26.06	74	59.3	39.08	16.43	66.87	-	-	P	V
5310MHz		15930	46.01	-27.99	74	55.88	37.32	20.01	67.2	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 2 5250~5350MHz

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 58 5290MHz		5018.7	54.25	-19.75	74	39.45	33.2	10.95	29.35	176	360	P	H
		5148.24	42.23	-11.77	54	27.74	33	10.96	29.47	176	360	A	H
	*	5290	104.17	-	-	89.74	32.98	11.05	29.6	176	360	P	H
	*	5290	95.79	-	-	81.36	32.98	11.05	29.6	176	360	A	H
		5360.4	56.97	-17.03	74	42.63	32.9	11.11	29.67	176	360	P	H
		5350.08	47.77	-6.23	54	33.43	32.9	11.1	29.66	176	360	A	H
		5147.9	53.21	-20.79	74	38.72	33	10.96	29.47	335	327	P	V
		5145.18	41.83	-12.17	54	27.34	33	10.96	29.47	335	327	A	V
	*	5290	101.33	-	-	86.9	32.98	11.05	29.6	335	327	P	V
	*	5290	93.5	-	-	79.07	32.98	11.05	29.6	335	327	A	V
		5350.32	54.94	-19.06	74	40.6	32.9	11.1	29.66	335	327	P	V
		5350.08	45.17	-8.83	54	30.83	32.9	11.1	29.66	335	327	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ax HE80 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)
		10580	47.2	-21	68.2	58.83	38.92	16.39	66.94	-	-	P	H
		15870	45.74	-28.26	74	55.79	37.08	19.98	67.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 58		10580	46.9	-21.3	68.2	58.53	38.92	16.39	66.94	-	-	P	V
5290MHz		15870	46.08	-27.92	74	56.13	37.08	19.98	67.11	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 3 - 5470~5725MHz

WIFI 802.11a (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)
802.11a CH 100 5500MHz		5435.92	53.3	-20.7	74	38.92	32.9	11.22	29.74	202	360	P	H
		5461.2	52.58	-15.62	68.2	38.17	32.9	11.27	29.76	202	360	P	H
		5459.76	41.45	-12.55	54	27.04	32.9	11.27	29.76	202	360	A	H
	*	5500	108.47	-	-	94.02	32.9	11.35	29.8	202	360	P	H
	*	5500	101.64	-	-	87.19	32.9	11.35	29.8	202	360	A	H
													H
		5361.2	53.09	-20.91	74	38.75	32.9	11.11	29.67	315	360	P	V
		5466.96	52.06	-16.14	68.2	37.65	32.9	11.28	29.77	315	360	P	V
		5459.76	41.21	-12.79	54	26.8	32.9	11.27	29.76	315	360	A	V
	*	5500	107.67	-	-	93.22	32.9	11.35	29.8	315	360	P	V
	*	5500	100.5	-	-	86.05	32.9	11.35	29.8	315	360	A	V
													V
802.11a CH 116 5580MHz		5362.72	53.17	-20.83	74	38.83	32.9	11.11	29.67	210	350	P	H
		5463.76	52.29	-15.91	68.2	37.88	32.9	11.28	29.77	210	350	P	H
		5459.92	41.13	-12.87	54	26.72	32.9	11.27	29.76	210	350	A	H
	*	5580	108.11	-	-	93.53	32.9	11.51	29.83	210	350	P	H
	*	5580	101.14	-	-	86.56	32.9	11.51	29.83	210	350	A	H
		5752.715	53.64	-14.56	68.2	38.09	33.71	11.74	29.9	210	350	P	H
		5449.36	53.21	-20.79	74	38.81	32.9	11.25	29.75	387	325	P	V
		5468.8	52.75	-15.45	68.2	38.33	32.9	11.29	29.77	387	325	P	V
		5458.48	41.05	-12.95	54	26.64	32.9	11.27	29.76	387	325	A	V
	*	5580	107.83	-	-	93.25	32.9	11.51	29.83	387	325	P	V
	*	5580	100.58	-	-	86	32.9	11.51	29.83	387	325	A	V
		5760.59	54.52	-13.68	68.2	38.93	33.74	11.75	29.9	387	325	P	V

802.11a CH 140 5700MHz	*	5700	108.42	-	-	93.22	33.4	11.68	29.88	100	123	P	H
	*	5700	101.7	-	-	86.5	33.4	11.68	29.88	100	123	A	H
		5743.16	54.74	-13.46	68.2	39.25	33.66	11.73	29.9	100	123	P	H
													H
													H
													H
	*	5700	108.3	-	-	93.1	33.4	11.68	29.88	389	314	P	V
	*	5700	100.57	-	-	85.37	33.4	11.68	29.88	389	314	A	V
		5764.44	55.5	-12.7	68.2	39.89	33.76	11.76	29.91	389	314	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

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 100 5500MHz		11000	47.09	-26.91	74	57.72	38.8	16.73	66.16	-	-	P	H
		16500	49.1	-19.1	68.2	57.12	38.3	20.63	66.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	47.86	-26.14	74	58.49	38.8	16.73	66.16	-	-	P	V
		16500	48.73	-19.47	68.2	56.75	38.3	20.63	66.95	-	-	P	V
													V
													V
													V
													V
													V
													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 116 5580MHz		11160	47	-27	74	57.41	39	16.85	66.26	-	-	P	H
		16740	48.38	-19.82	68.2	55.97	38.22	20.91	66.72	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11160	47.65	-26.35	74	58.06	39	16.85	66.26	-	-	P	V
		16740	49.04	-19.16	68.2	56.63	38.22	20.91	66.72	-	-	P	V
													V
													V
													V
													V
													V
													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 140 5700MHz		11400	46.38	-27.62	74	56.67	39.1	17.03	66.42	-	-	P	H
		17100	47.85	-20.35	68.2	54.84	38.1	21.25	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	46.24	-27.76	74	56.53	39.1	17.03	66.42	-	-	P	V
		17100	48.22	-19.98	68.2	55.21	38.1	21.25	66.34	-	-	P	V
													V
													V
													V
													V
													V
													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.												

Band 3 - 5470~5725MHz

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 100 5500MHz		5442.32	53.09	-20.91	74	38.71	32.9	11.23	29.75	400	333	P	H
		5462.8	53.19	-15.01	68.2	38.78	32.9	11.28	29.77	400	333	P	H
		5459.76	41.41	-12.59	54	27	32.9	11.27	29.76	400	333	A	H
	*	5500	109.78	-	-	95.33	32.9	11.35	29.8	400	333	P	H
	*	5500	101.3	-	-	86.85	32.9	11.35	29.8	400	333	A	H
		5360.4	54.06	-19.94	74	39.72	32.9	11.11	29.67	153	22	P	V
		5460.56	52.75	-15.45	68.2	38.34	32.9	11.27	29.76	153	22	P	V
		5460	41.38	-12.62	54	26.97	32.9	11.27	29.76	153	22	A	V
	*	5500	108.58	-	-	94.13	32.9	11.35	29.8	153	22	P	V
	*	5500	100.1	-	-	85.65	32.9	11.35	29.8	153	22	A	V
													V
													V
802.11ax HE20 Full CH 116 5580MHz		5419.12	53.65	-20.35	74	39.28	32.9	11.19	29.72	386	326	P	H
		5462.56	52.36	-15.84	68.2	37.94	32.9	11.28	29.76	386	326	P	H
		5441.68	41.15	-12.85	54	26.77	32.9	11.23	29.75	386	326	A	H
	*	5580	109.61	-	-	95.03	32.9	11.51	29.83	386	326	P	H
	*	5580	101.43	-	-	86.85	32.9	11.51	29.83	386	326	A	H
		5749.88	54.07	-14.13	68.2	38.53	33.7	11.74	29.9	386	326	P	H
		5405.68	53.92	-20.08	74	39.57	32.9	11.16	29.71	101	28	P	V
		5465.92	52.19	-16.01	68.2	37.78	32.9	11.28	29.77	101	28	P	V
		5459.92	41.07	-12.93	54	26.66	32.9	11.27	29.76	101	28	A	V
	*	5580	106.09	-	-	91.51	32.9	11.51	29.83	101	28	P	V
	*	5580	99.35	-	-	84.77	32.9	11.51	29.83	101	28	A	V
		5729.09	53.37	-14.83	68.2	37.98	33.57	11.71	29.89	101	28	P	V

	*	5700	109.84	-	-	94.64	33.4	11.68	29.88	102	139	P	H
	*	5700	101.2	-	-	86	33.4	11.68	29.88	102	139	A	H
		5725.16	56.46	-11.74	68.2	41.09	33.55	11.71	29.89	102	139	P	H
													H
802.11ax													H
HE20 Full													H
CH 140	*	5700	105.74	-	-	90.54	33.4	11.68	29.88	101	55	P	V
5700MHz	*	5700	97.72	-	-	82.52	33.4	11.68	29.88	101	55	A	V
		5760.28	54.07	-14.13	68.2	38.48	33.74	11.75	29.9	101	55	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 (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)
		11000	50.63	-23.37	74	61.26	38.8	16.73	66.16	201	360	P	H
		11000	39.5	-14.5	54	50.13	38.8	16.73	66.16	201	360	A	H
		16500	48.74	-19.46	68.2	56.76	38.3	20.63	66.95	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	50.63	-23.37	74	61.26	38.8	16.73	66.16	192	338	P	V
5500MHz		11000	38.47	-15.53	54	49.1	38.8	16.73	66.16	192	338	A	V
		16500	48.55	-19.65	68.2	56.57	38.3	20.63	66.95	-	-	P	V
													V
													V
													V
													V
													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)
		11160	46.93	-27.07	74	57.34	39	16.85	66.26	-	-	P	H
		16740	49.16	-19.04	68.2	56.75	38.22	20.91	66.72	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 116		11160	46.74	-27.26	74	57.15	39	16.85	66.26	-	-	P	V
5580MHz		16740	48.17	-20.03	68.2	55.76	38.22	20.91	66.72	-	-	P	V
													V
													V
													V
													V
													V
													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)
		11400	46.62	-27.38	74	56.91	39.1	17.03	66.42	-	-	P	H
		17100	48.07	-20.13	68.2	55.06	38.1	21.25	66.34	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 140		11400	46.74	-27.26	74	57.03	39.1	17.03	66.42	-	-	P	V
5700MHz		17100	47.64	-20.56	68.2	54.63	38.1	21.25	66.34	-	-	P	V
													V
													V
													V
													V
													V
													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.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 106 (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 Partial 106/53 CH 100 5500MHz		5411.12	53.94	-20.06	74	39.59	32.9	11.17	29.72	191	359	P	H
		5469.36	52.86	-15.34	68.2	38.44	32.9	11.29	29.77	191	359	P	H
		5460	41.29	-12.71	54	26.88	32.9	11.27	29.76	191	359	A	H
	*	5500	108.83	-	-	94.38	32.9	11.35	29.8	191	359	P	H
	*	5500	101.02	-	-	86.57	32.9	11.35	29.8	191	359	A	H
													H
		5396.56	53.69	-20.31	74	39.34	32.9	11.15	29.7	379	355	P	V
		5463.28	53.42	-14.78	68.2	39.01	32.9	11.28	29.77	379	355	P	V
		5459.44	41.15	-12.85	54	26.74	32.9	11.27	29.76	379	355	A	V
	*	5500	107.02	-	-	92.57	32.9	11.35	29.8	379	355	P	V
	*	5500	99.63	-	-	85.18	32.9	11.35	29.8	379	355	A	V
													V
802.11ax HE20 Partial 106/54 CH 140 5700MHz	*	5700	109.44	-	-	94.24	33.4	11.68	29.88	126	351	P	H
	*	5700	100.29	-	-	85.09	33.4	11.68	29.88	126	351	A	H
		5726.44	55	-13.2	68.2	39.62	33.56	11.71	29.89	126	351	P	H
													H
													H
													H
	*	5700	107.54	-	-	92.34	33.4	11.68	29.88	121	16	P	V
	*	5700	99.32	-	-	84.12	33.4	11.68	29.88	121	16	A	V
		5725.32	57.28	-10.92	68.2	41.91	33.55	11.71	29.89	121	16	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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 102 5510MHz		5382.88	53.5	-20.5	74	39.16	32.9	11.13	29.69	100	28	P	H
		5469.28	54.18	-14.02	68.2	39.76	32.9	11.29	29.77	100	28	P	H
		5458.48	42.7	-11.3	54	28.29	32.9	11.27	29.76	100	28	A	H
	*	5510	104.94	-	-	90.47	32.9	11.37	29.8	100	28	P	H
	*	5510	97.08	-	-	82.61	32.9	11.37	29.8	100	28	A	H
		5726.885	54.68	-13.52	68.2	39.3	33.56	11.71	29.89	100	28	P	H
		5455.36	53.86	-20.14	74	39.46	32.9	11.26	29.76	316	360	P	V
		5463.76	53.43	-14.77	68.2	39.02	32.9	11.28	29.77	316	360	P	V
		5459.92	42.26	-11.74	54	27.85	32.9	11.27	29.76	316	360	A	V
	*	5510	104.62	-	-	90.15	32.9	11.37	29.8	316	360	P	V
	*	5510	96.5	-	-	82.03	32.9	11.37	29.8	316	360	A	V
		5763.74	53.16	-15.04	68.2	37.57	33.75	11.75	29.91	316	360	P	V
802.11ax HE40 Full CH 110 5550MHz		5442.16	52.54	-21.46	74	38.16	32.9	11.23	29.75	300	339	P	H
		5463.28	53.95	-14.25	68.2	39.54	32.9	11.28	29.77	300	339	P	H
		5441.92	41.26	-12.74	54	26.88	32.9	11.23	29.75	300	339	A	H
	*	5550	107.17	-	-	92.64	32.9	11.45	29.82	300	339	P	H
	*	5550	98.89	-	-	84.36	32.9	11.45	29.82	300	339	A	H
		5746.73	53.66	-14.54	68.2	38.15	33.68	11.73	29.9	300	339	P	H
		5373.04	53.71	-20.29	74	39.37	32.9	11.12	29.68	198	17	P	V
		5469.28	52.14	-16.06	68.2	37.72	32.9	11.29	29.77	198	17	P	V
		5441.2	41.15	-12.85	54	26.76	32.9	11.23	29.74	198	17	A	V
	*	5550	104.89	-	-	90.36	32.9	11.45	29.82	198	17	P	V
	*	5550	97.52	-	-	82.99	32.9	11.45	29.82	198	17	A	V
		5735.39	53.39	-14.81	68.2	37.95	33.61	11.72	29.89	198	17	P	V

802.11ax HE40 Full CH 134 5670MHz		5396.9	51.9	-22.1	74	37.55	32.9	11.15	29.7	100	123	P	H
		5468.3	50.66	-17.54	68.2	36.24	32.9	11.29	29.77	100	123	P	H
		5350.7	40.95	-13.05	54	26.61	32.9	11.1	29.66	100	123	A	H
	*	5670	104.19	-	-	89.2	33.22	11.64	29.87	100	123	P	H
	*	5670	97.46	-	-	82.47	33.22	11.64	29.87	100	123	A	H
		5745.225	52.92	-15.28	68.2	37.42	33.67	11.73	29.9	100	123	P	H
		5423.5	52.29	-21.71	74	37.92	32.9	11.2	29.73	291	317	P	V
		5462	50.41	-17.79	68.2	36	32.9	11.27	29.76	291	317	P	V
		5350	40.98	-13.02	54	26.64	32.9	11.1	29.66	291	317	A	V
	*	5670	103.5	-	-	88.51	33.22	11.64	29.87	291	317	P	V
	*	5670	96.84	-	-	81.85	33.22	11.64	29.87	291	317	A	V
		5751.525	54	-14.2	68.2	38.45	33.71	11.74	29.9	291	317	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

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)
		11020	47.52	-26.48	74	58.18	38.76	16.75	66.17	-	-	P	H
		16530	47.8	-20.4	68.2	56	38.06	20.66	66.92	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 102		11020	49.16	-24.84	74	59.82	38.76	16.75	66.17	216	342	P	V
5510MHz		11020	37.24	-16.76	54	47.9	38.76	16.75	66.17	216	342	A	V
		16530	48.21	-19.99	68.2	56.41	38.06	20.66	66.92	-	-	P	V
													V
													V
													V
													V
													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)
		11100	47.79	-26.21	74	58.3	38.9	16.81	66.22	-	-	P	H
		16650	48.55	-19.65	68.2	56.36	38.2	20.8	66.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 110		11100	47.75	-26.25	74	58.26	38.9	16.81	66.22	-	-	P	V
5550MHz		16650	47.98	-20.22	68.2	55.79	38.2	20.8	66.81	-	-	P	V
													V
													V
													V
													V
													V
													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)
		11340	46.57	-27.43	74	56.86	39.1	16.99	66.38	-	-	P	H
		17010	47.9	-20.3	68.2	55.1	38.06	21.21	66.47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE40 Full													H
CH 134		11340	46.35	-27.65	74	56.64	39.1	16.99	66.38	-	-	P	V
5670MHz		17010	47.9	-20.3	68.2	55.1	38.06	21.21	66.47	-	-	P	V
													V
													V
													V
													V
													V
													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.												

Band 3 5470~5725MHz

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 106 5530MHz		5456.8	56.24	-17.76	74	41.84	32.9	11.26	29.76	110	3	P	H
		5464.48	57.23	-10.97	68.2	42.82	32.9	11.28	29.77	110	3	P	H
		5455.12	45.06	-8.94	54	30.66	32.9	11.26	29.76	110	3	A	H
	*	5530	105.67	-	-	91.17	32.9	11.41	29.81	110	3	P	H
	*	5530	96.99	-	-	82.49	32.9	11.41	29.81	110	3	A	H
		5757.125	54.05	-14.15	68.2	38.47	33.73	11.75	29.9	110	3	P	H
		5446	54.84	-19.16	74	40.45	32.9	11.24	29.75	282	340	P	V
		5465.44	55.5	-12.7	68.2	41.09	32.9	11.28	29.77	282	340	P	V
		5455.12	43.46	-10.54	54	29.06	32.9	11.26	29.76	282	340	A	V
	*	5530	102.78	-	-	88.28	32.9	11.41	29.81	282	340	P	V
	*	5530	95.22	-	-	80.72	32.9	11.41	29.81	282	340	A	V
		5741.69	53.43	-14.77	68.2	37.95	33.65	11.73	29.9	282	340	P	V
802.11ax HE80 Full CH 122 5610MHz		5459.2	53.7	-20.3	74	39.29	32.9	11.27	29.76	116	5	P	H
		5469.35	53.58	-14.62	68.2	39.16	32.9	11.29	29.77	116	5	P	H
		5457.8	42.85	-11.15	54	28.44	32.9	11.27	29.76	116	5	A	H
	*	5610	105.2	-	-	90.54	32.94	11.56	29.84	116	5	P	H
	*	5610	97.02	-	-	82.36	32.94	11.56	29.84	116	5	A	H
		5761.15	54.21	-13.99	68.2	38.62	33.74	11.75	29.9	116	5	P	H
		5435.75	52.98	-21.02	74	38.6	32.9	11.22	29.74	319	323	P	V
		5469.7	53.31	-14.89	68.2	38.89	32.9	11.29	29.77	319	323	P	V
		5447.3	42.03	-11.97	54	27.64	32.9	11.24	29.75	319	323	A	V
	*	5610	103.88	-	-	89.22	32.94	11.56	29.84	319	323	P	V
	*	5610	95.37	-	-	80.71	32.94	11.56	29.84	319	323	A	V
		5761.15	54.57	-13.63	68.2	38.98	33.74	11.75	29.9	319	323	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE80 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)
		11060	47.2	-26.8	74	57.88	38.74	16.78	66.2	-	-	P	H
		16590	47.9	-20.3	68.2	56.3	37.74	20.73	66.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 106		11060	46.87	-27.13	74	57.55	38.74	16.78	66.2	-	-	P	V
5530MHz		16590	48.16	-20.04	68.2	56.56	37.74	20.73	66.87	-	-	P	V
													V
													V
													V
													V
													V
													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)
		11220	46.64	-27.36	74	57.04	39	16.9	66.3	-	-	P	H
		16830	47.39	-20.81	68.2	55.08	37.94	21.01	66.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 122		11220	46.47	-27.53	74	56.87	39	16.9	66.3	-	-	P	V
5610MHz		16830	47.2	-21	68.2	54.89	37.94	21.01	66.64	-	-	P	V
													V
													V
													V
													V
													V
													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.												

Band 3 - Straddle Channel

WIFI 802.11a (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)
802.11a CH 144 5720MHz		5426.83	52.38	-21.62	74	38.01	32.9	11.2	29.73	110	3	P	H
		5461.15	53.24	-14.96	68.2	38.83	32.9	11.27	29.76	110	3	P	H
		5425.27	41.33	-12.67	54	26.96	32.9	11.2	29.73	110	3	A	H
	*	5720	109.69	-	-	94.36	33.52	11.7	29.89	110	3	P	H
	*	5720	102.55	-	-	87.22	33.52	11.7	29.89	110	3	A	H
		5944.5	54.79	-13.41	68.2	38.66	34.2	11.91	29.98	110	3	P	H
		5446.72	52.75	-21.25	74	38.36	32.9	11.24	29.75	305	319	P	V
		5470.12	52.31	-97.69	150	37.89	32.9	11.29	29.77	305	319	P	V
		5426.05	41.21	-12.79	54	26.84	32.9	11.2	29.73	305	319	A	V
	*	5720	108.55	-	-	93.22	33.52	11.7	29.89	305	319	P	V
	*	5720	101.66	-	-	86.33	33.52	11.7	29.89	305	319	A	V
		5887.75	55.48	-12.72	68.2	39.42	34.15	11.87	29.96	305	319	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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 144 5720MHz		11440	47.82	-26.18	74	58.17	39.02	17.07	66.44	-	-	P	H
		17160	48.5	-19.7	68.2	55.27	38.2	21.29	66.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	46.43	-27.57	74	56.78	39.02	17.07	66.44	-	-	P	V
		17160	48.07	-20.13	68.2	54.84	38.2	21.29	66.26	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 3 - Straddle Channel

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 144 5720MHz		5371.84	52.49	-21.51	74	38.15	32.9	11.12	29.68	107	6	P	H
		5468.56	52.18	-16.02	68.2	37.76	32.9	11.29	29.77	107	6	P	H
		5426.83	41.27	-12.73	54	26.9	32.9	11.2	29.73	107	6	A	H
	*	5720	108.86	-	-	93.53	33.52	11.7	29.89	107	6	P	H
	*	5720	101.09	-	-	85.76	33.52	11.7	29.89	107	6	A	H
		5947.75	54.38	-13.82	68.2	38.25	34.2	11.91	29.98	107	6	P	H
		5459.98	52.93	-21.07	74	38.52	32.9	11.27	29.76	306	320	P	V
		5460.37	53	-15.2	68.2	38.59	32.9	11.27	29.76	306	320	P	V
		5435.41	41.3	-12.7	54	26.92	32.9	11.22	29.74	306	320	A	V
	*	5720	107.51	-	-	92.18	33.52	11.7	29.89	306	320	P	V
	*	5720	99.5	-	-	84.17	33.52	11.7	29.89	306	320	A	V
		5916.25	54.94	-13.26	68.2	38.82	34.2	11.89	29.97	306	320	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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)
		11440	46.64	-27.36	74	56.99	39.02	17.07	66.44	-	-	P	H
		17160	47.86	-20.34	68.2	54.63	38.2	21.29	66.26	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 144		11440	46.92	-27.08	74	57.27	39.02	17.07	66.44	-	-	P	V
5720MHz		17160	48.14	-20.06	68.2	54.91	38.2	21.29	66.26	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 3 - Straddle Channel

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 142 5710MHz		5436.97	53.13	-20.87	74	38.75	32.9	11.22	29.74	104	5	P	H
		5469.34	51.8	-16.4	68.2	37.38	32.9	11.29	29.77	104	5	P	H
		5433.85	41.23	-12.77	54	26.85	32.9	11.22	29.74	104	5	A	H
	*	5710	107.68	-	-	92.41	33.46	11.69	29.88	104	5	P	H
	*	5710	98.83	-	-	83.56	33.46	11.69	29.88	104	5	A	H
		5851.5	54.21	-13.99	68.2	38.3	34.01	11.84	29.94	104	5	P	H
		5360.92	52.46	-21.54	74	38.12	32.9	11.11	29.67	304	319	P	V
		5462.32	52.98	-15.22	68.2	38.57	32.9	11.27	29.76	304	319	P	V
		5455.69	41.26	-12.74	54	26.86	32.9	11.26	29.76	304	319	A	V
	*	5710	104.67	-	-	89.4	33.46	11.69	29.88	304	319	P	V
	*	5710	97.02	-	-	81.75	33.46	11.69	29.88	304	319	A	V
		5864.75	55.52	-12.68	68.2	39.56	34.06	11.85	29.95	304	319	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

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 142 5710MHz		11420	47.66	-26.34	74	57.98	39.06	17.05	66.43	-	-	P	H
		17130	48.41	-19.79	68.2	55.28	38.16	21.27	66.3	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11420	46.63	-27.37	74	56.95	39.06	17.05	66.43	-	-	P	V
		17130	48.17	-20.03	68.2	55.04	38.16	21.27	66.3	-	-	P	V
													V
													V
													V
													V
													V
													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.

Band 3 Straddle Channel

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 138 5690MHz		5390.17	53.06	-20.94	74	38.72	32.9	11.14	29.7	110	5	P	H
		5467.78	52.12	-16.08	68.2	37.7	32.9	11.29	29.77	110	5	P	H
		5458.81	42.15	-11.85	54	27.74	32.9	11.27	29.76	110	5	A	H
	*	5690	104.05	-	-	88.93	33.34	11.66	29.88	110	5	P	H
	*	5690	96.44	-	-	81.32	33.34	11.66	29.88	110	5	A	H
		5867.5	55.13	-13.07	68.2	39.16	34.07	11.85	29.95	110	5	P	H
		5457.64	52.83	-21.17	74	38.42	32.9	11.27	29.76	294	318	P	V
		5467	51.69	-16.51	68.2	37.28	32.9	11.28	29.77	294	318	P	V
		5459.2	41.21	-12.79	54	26.8	32.9	11.27	29.76	294	318	A	V
	*	5690	102.17	-	-	87.05	33.34	11.66	29.88	294	318	P	V
	*	5690	95.44	-	-	80.32	33.34	11.66	29.88	294	318	A	V
		5944	54.57	-13.63	68.2	38.44	34.2	11.91	29.98	294	318	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ax HE80 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)
		11380	47.36	-26.64	74	57.64	39.1	17.02	66.4	-	-	P	H
		17070	49.03	-19.17	68.2	55.95	38.22	21.24	66.38	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE80 Full													H
CH 138		11380	47.58	-26.42	74	57.86	39.1	17.02	66.4	-	-	P	V
5690MHz		17070	48.27	-19.93	68.2	55.19	38.22	21.24	66.38	-	-	P	V
													V
													V
													V
													V
													V
													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.

Emission above 18 GHz

WIFI 802.11ax HE80 Full (SHF @ 1m)

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 SHF		33950	44.91	-29.09	74	63.45	40.88	-1.38	58.04	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		32432	43.27	-30.73	74	61.02	40.75	-1.41	57.09	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													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 with sufficient margin against limit line or noise floor only.												

Emission below 1GHz

WIFI 802.11ax HE80 Full (LF @ 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 LF		87.51	32.53	-7.47	40	49.01	14.42	1.39	32.29	-	-	P	H
		152.31	34.22	-9.28	43.5	47.57	17.04	1.89	32.28	-	-	P	H
		219	26.61	-19.39	46	41.43	15.24	2.26	32.32	-	-	P	H
		365.1	25.97	-20.03	46	34.6	20.85	2.93	32.41	-	-	P	H
		542.2	30.78	-15.22	46	35.64	24.14	3.59	32.59	-	-	P	H
		892.9	34.55	-11.45	46	33.14	28.53	4.66	31.78	-	-	P	H
													H
													H
													H
													H
													H
													H
		51.87	33.62	-6.38	40	51.57	13.43	0.92	32.3	-	-	P	V
		137.46	33.22	-10.28	43.5	46.11	17.58	1.8	32.27	-	-	P	V
		285.69	22.5	-23.5	46	33.21	19.05	2.57	32.33	-	-	P	V
		525.4	29.46	-16.54	46	34.74	23.77	3.53	32.58	-	-	P	V
		542.2	36.41	-9.59	46	41.27	24.14	3.59	32.59	-	-	P	V
		894.3	34.78	-11.22	46	33.35	28.54	4.66	31.77	-	-	P	V
													V
													V
													V
													V
													V
													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.

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	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

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.					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 CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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(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(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(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

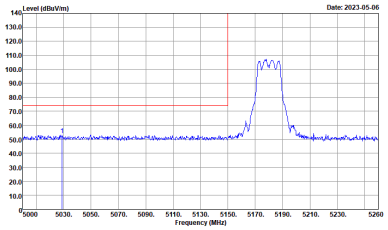
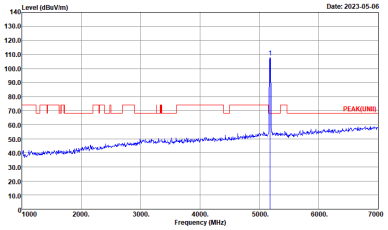
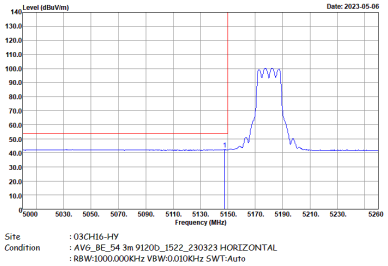
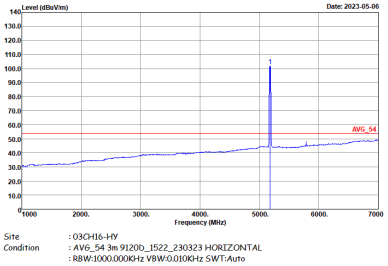
Test Engineer :	Hao Qun, Gary Guo and Steven Wu	**Temperature :**	20~25°C
		Relative Humidity :	50~65%

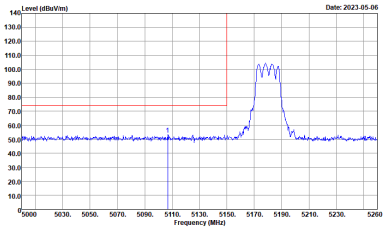
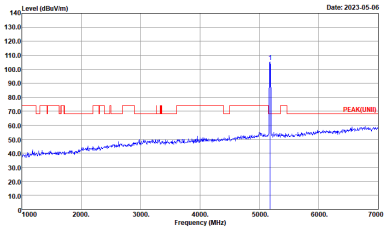
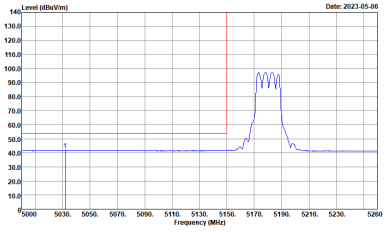
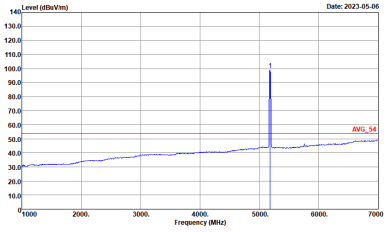
Note symbol

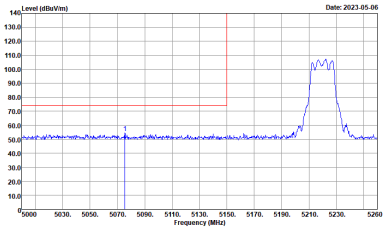
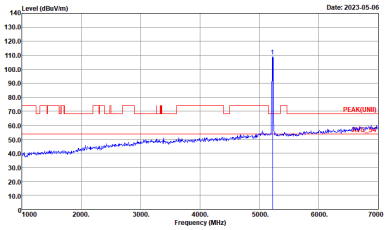
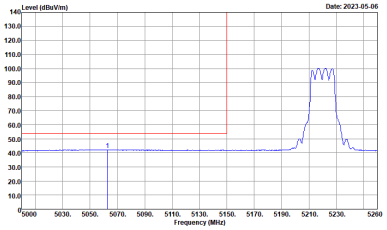
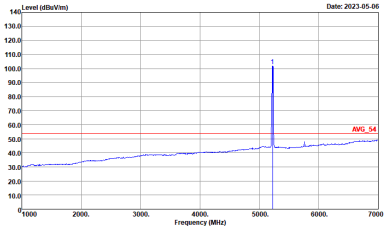
-L	**Low channel location**
-R	**High channel location**

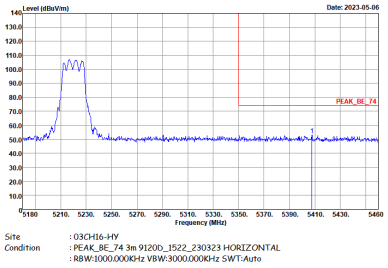
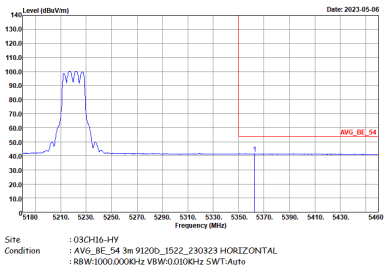
Band 1 - 5150~5250MHz

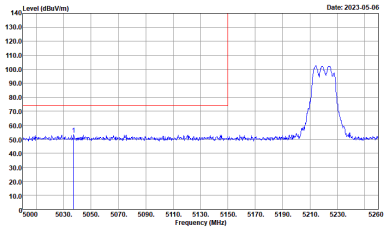
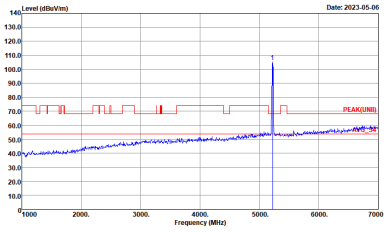
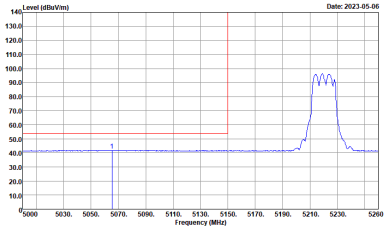
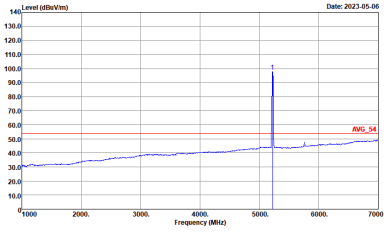
WIFI 802.11a (Band Edge @ 3m)

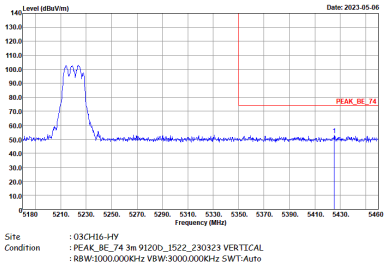
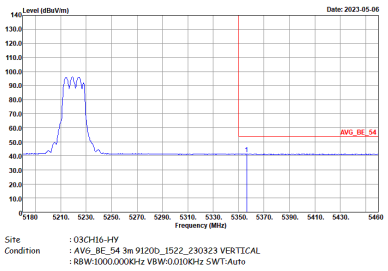
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

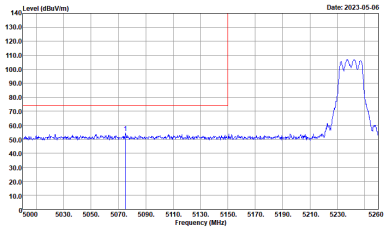
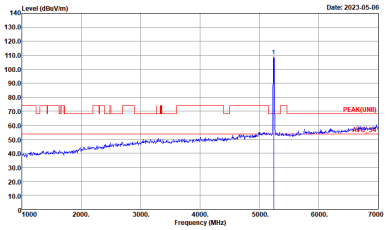
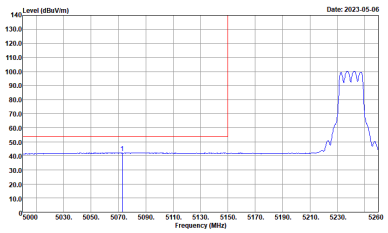
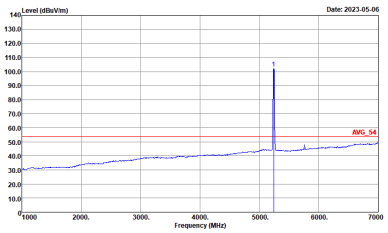
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

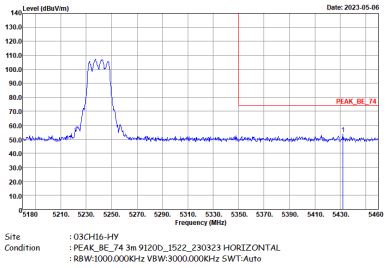
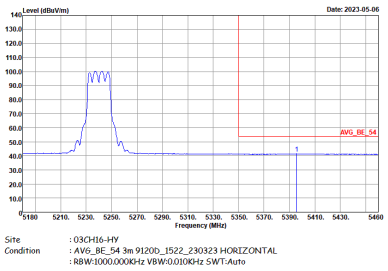
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

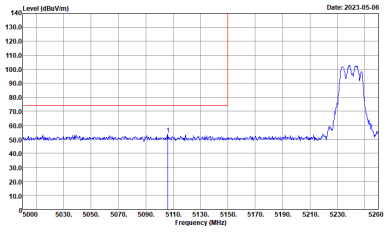
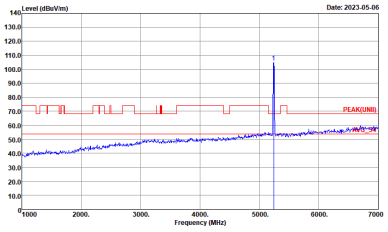
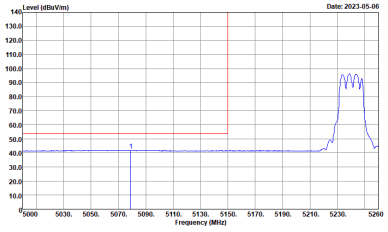
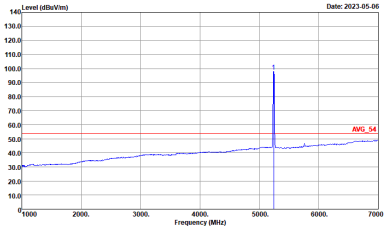
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

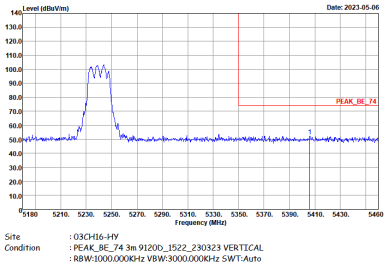
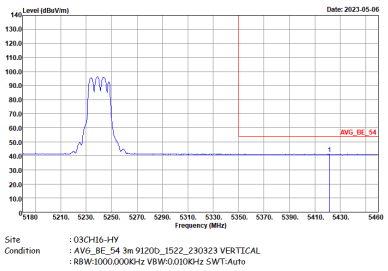
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

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 : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

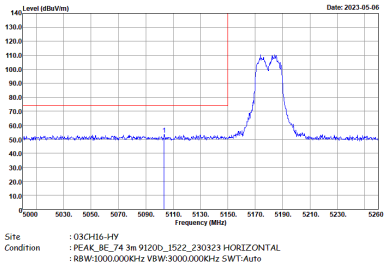
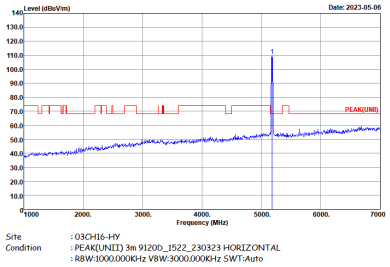
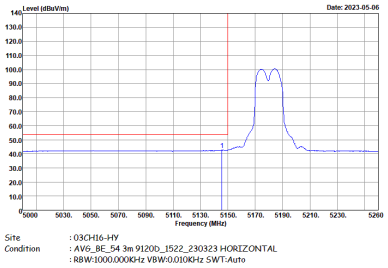
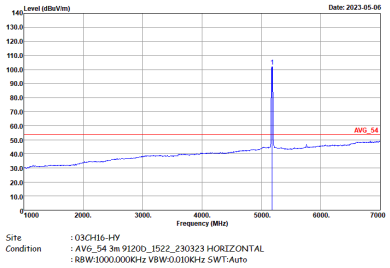
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

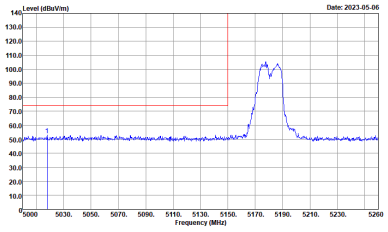
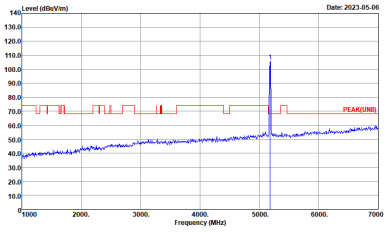
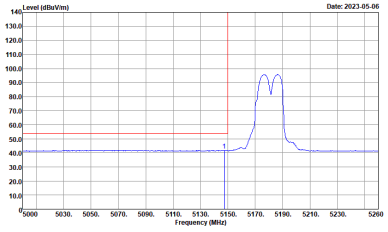
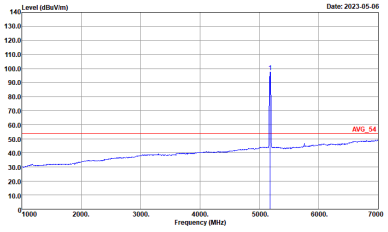
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

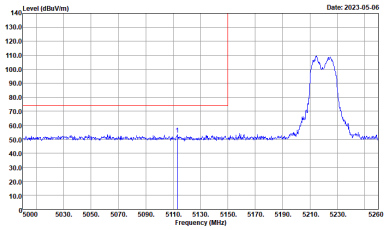
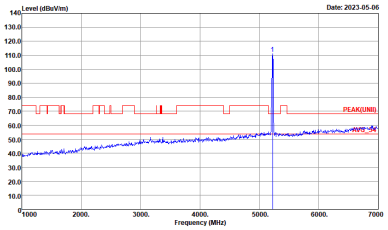
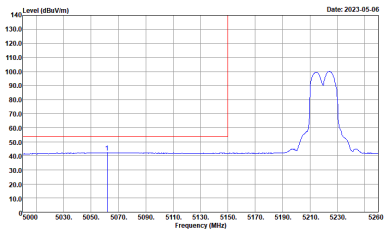
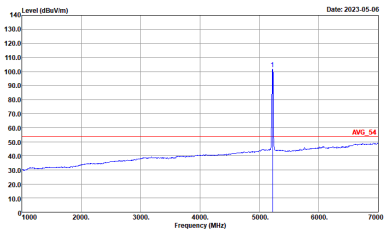
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

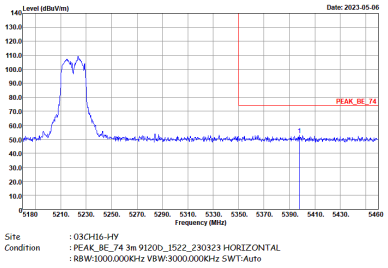
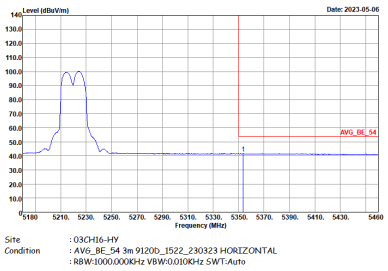
Band 1 5150~5250MHz

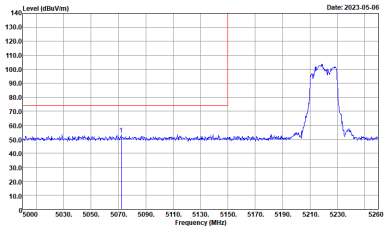
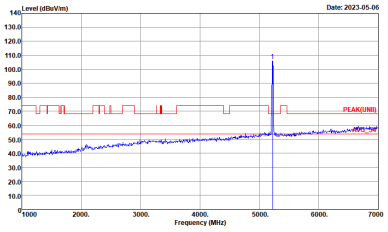
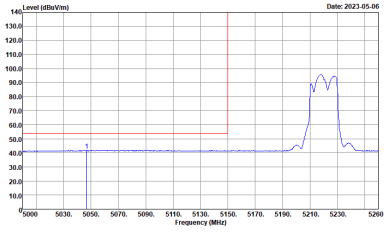
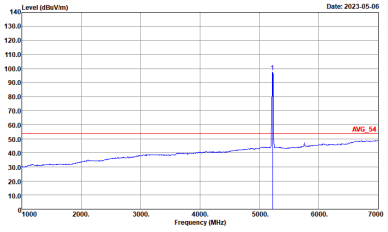
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

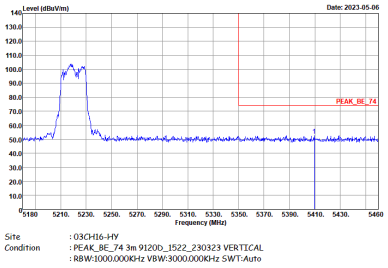
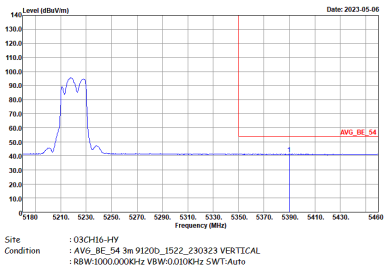
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

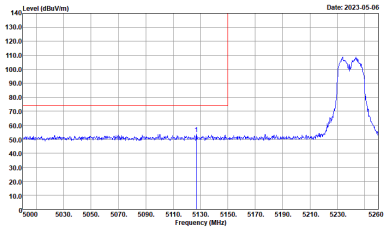
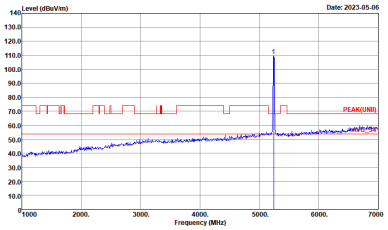
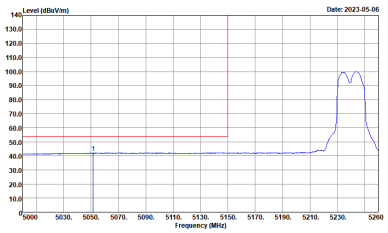
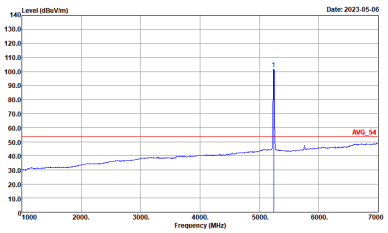
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

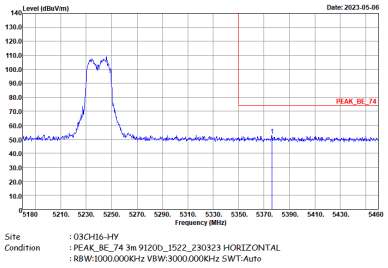
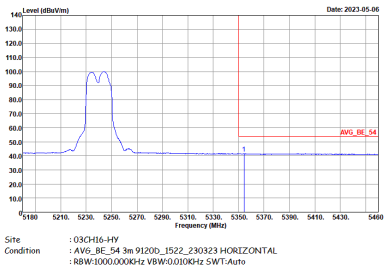
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

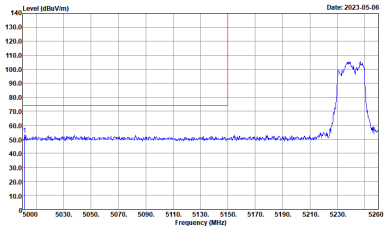
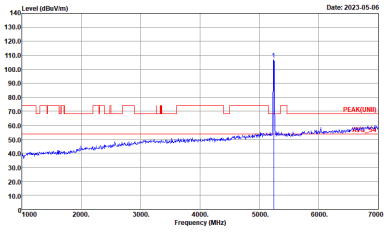
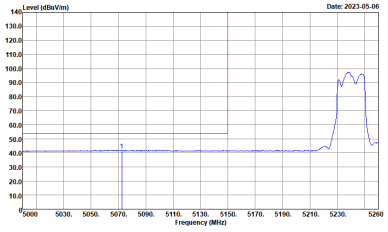
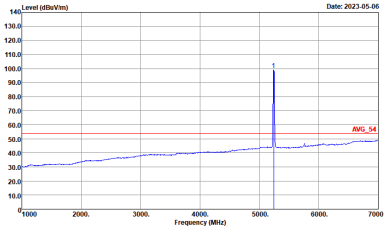
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

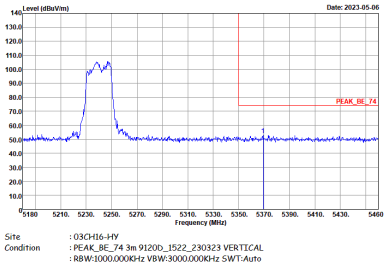
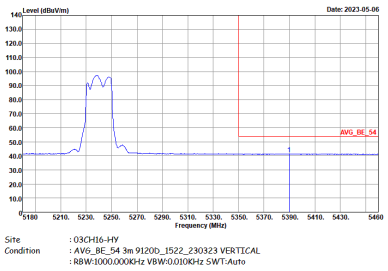
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

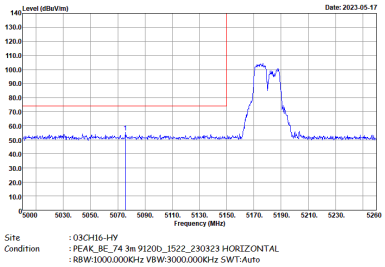
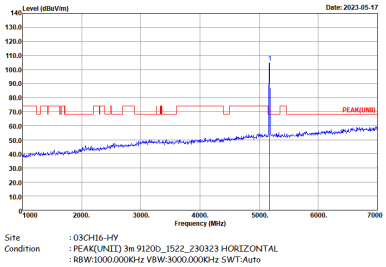
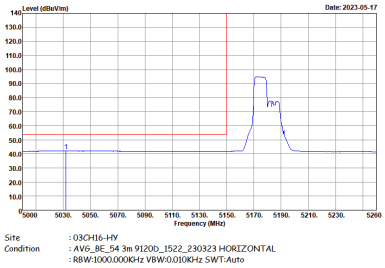
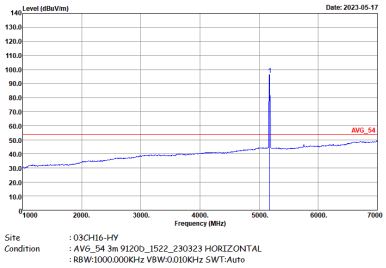
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

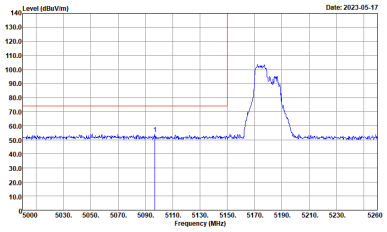
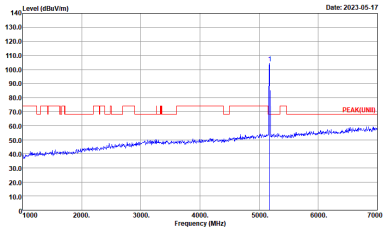
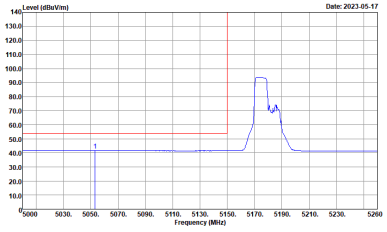
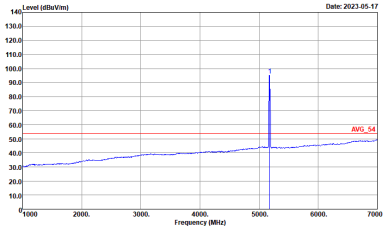
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz

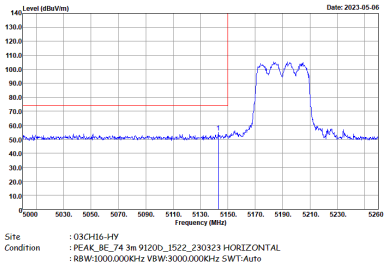
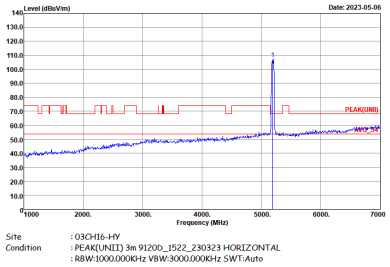
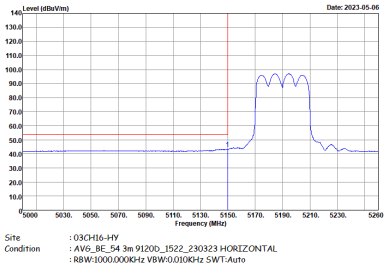
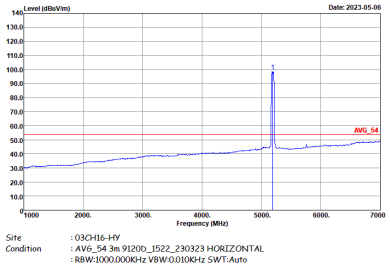
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

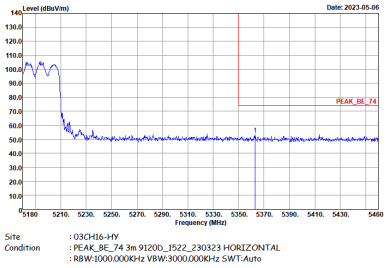
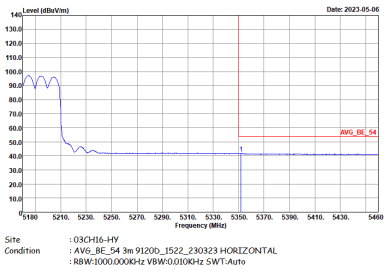
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

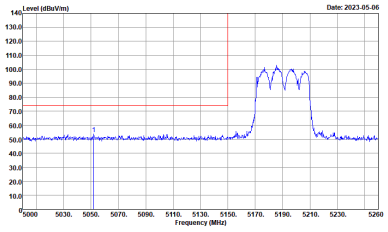
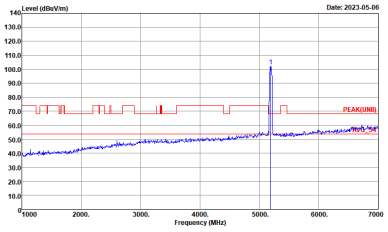
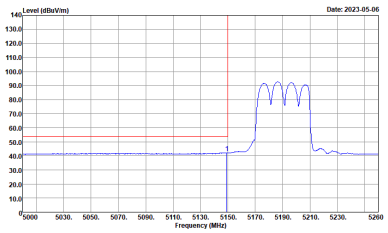
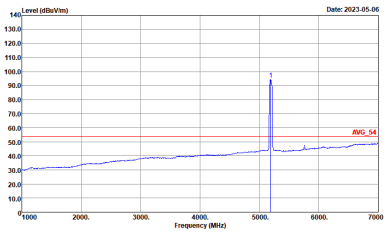
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/53 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

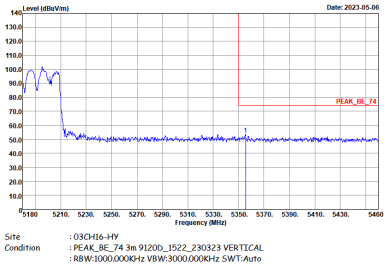
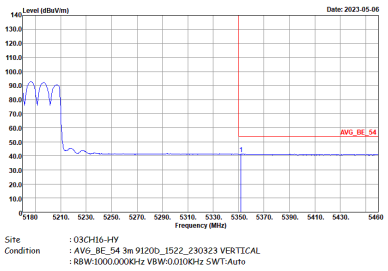
Band 1 5150~5250MHz

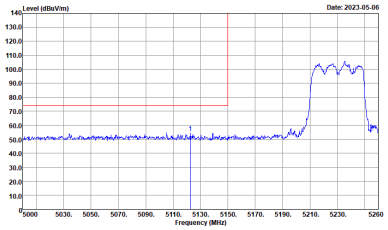
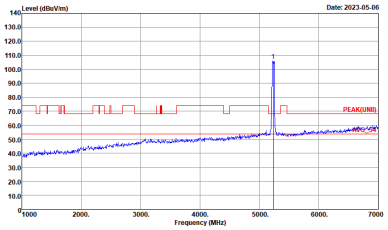
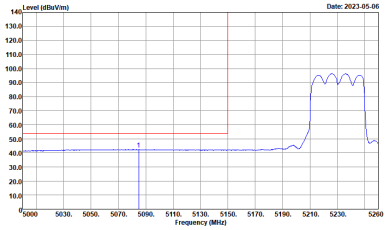
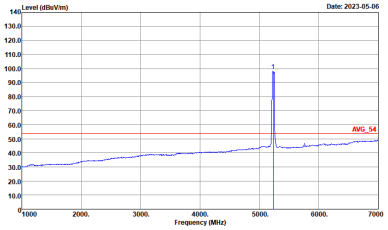
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

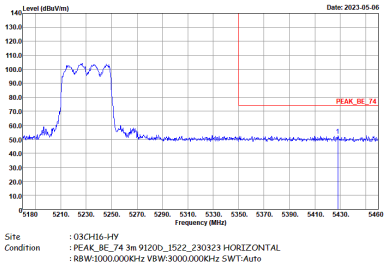
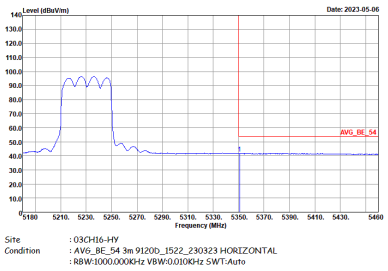
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

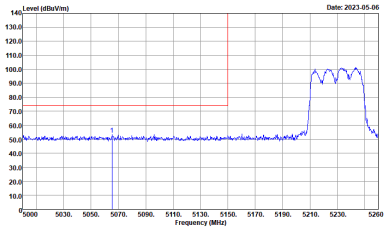
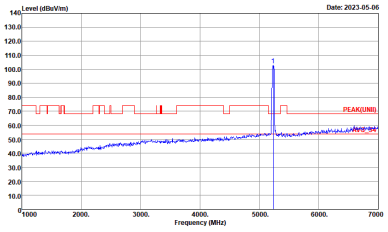
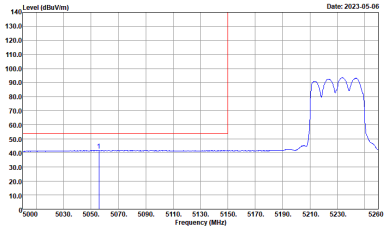
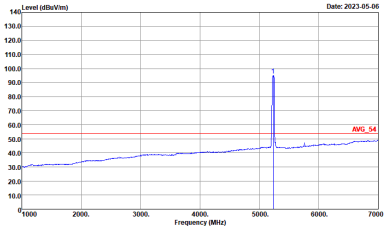
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

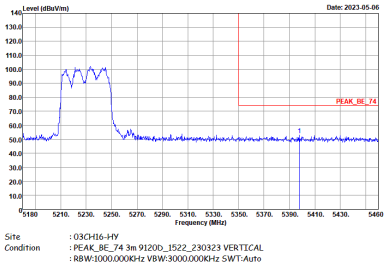
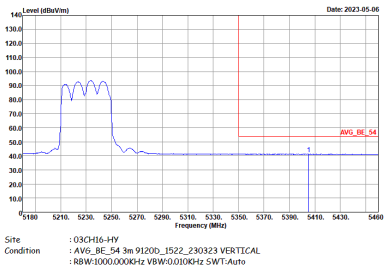
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

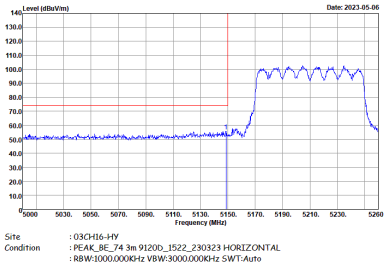
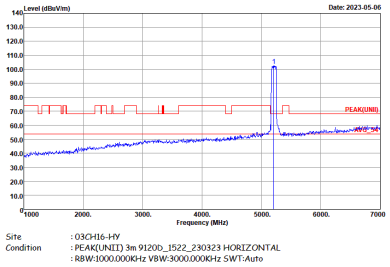
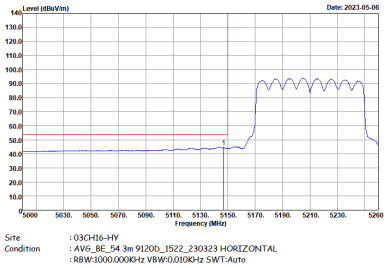
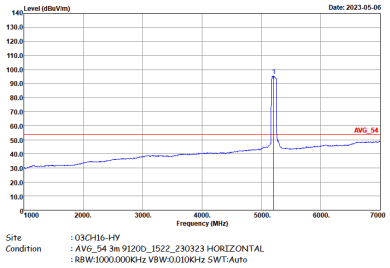
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

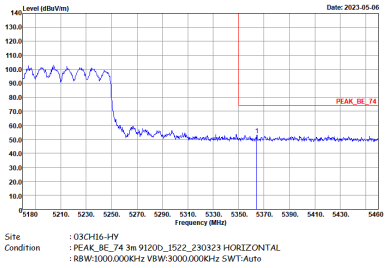
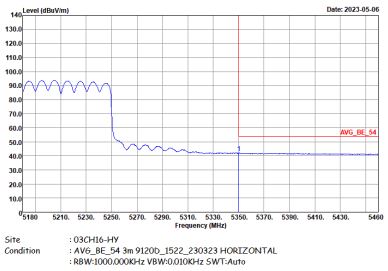
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

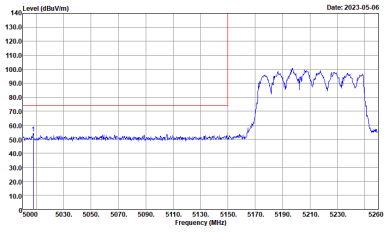
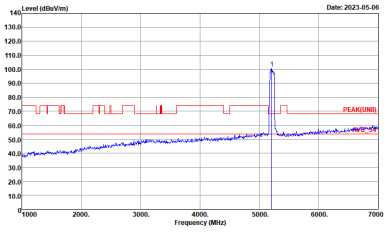
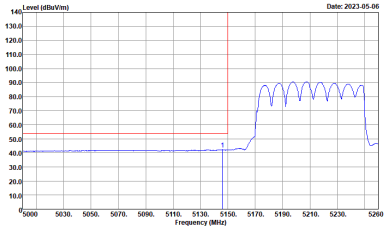
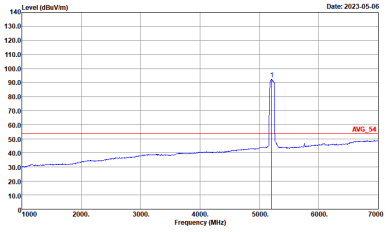
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

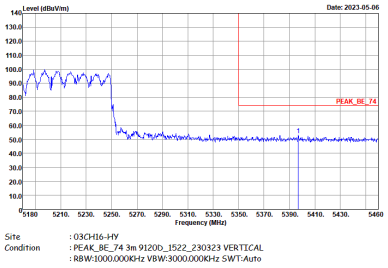
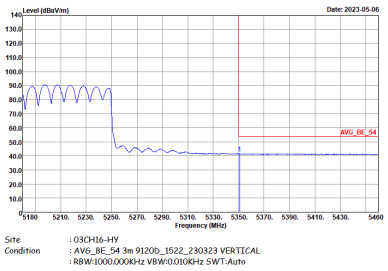
Band 1 5150~5250MHz

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		
Avg.		

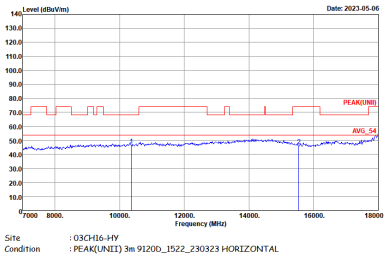
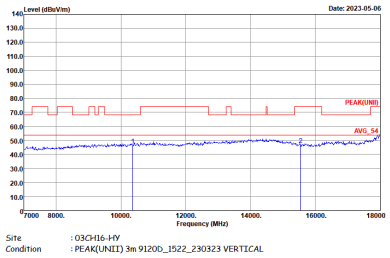
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

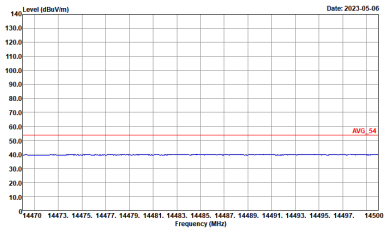
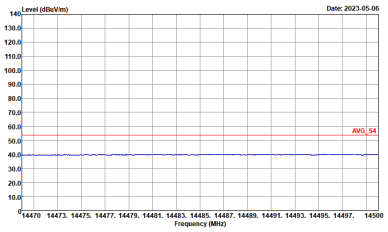
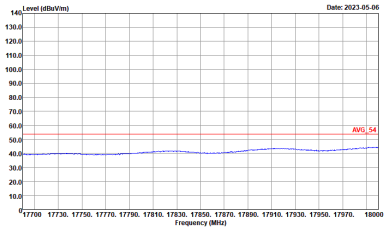
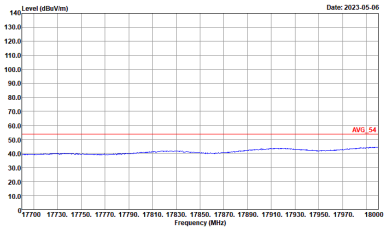
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

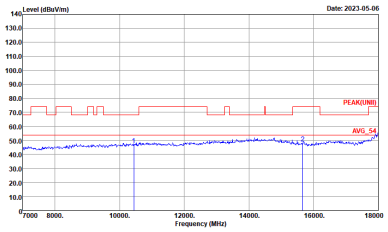
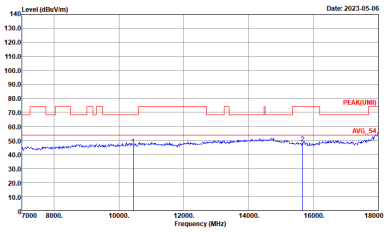
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

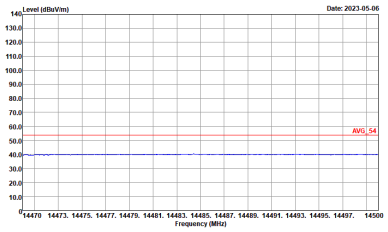
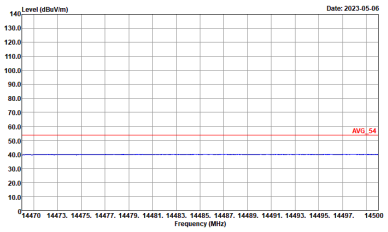
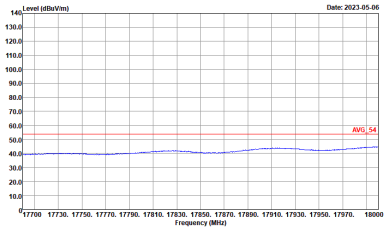
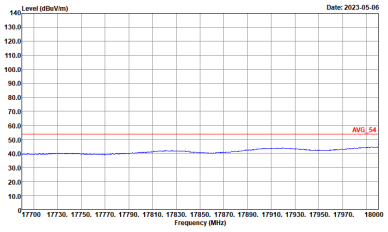
Band 1 - 5150~5250MHz

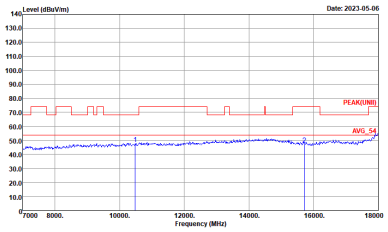
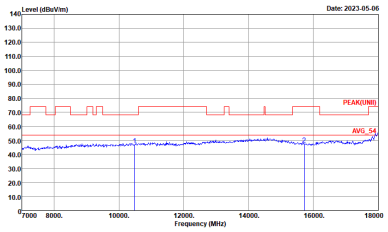
WIFI 802.11a (Harmonic @ 3m)

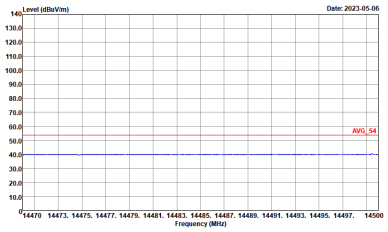
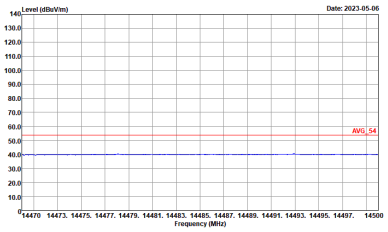
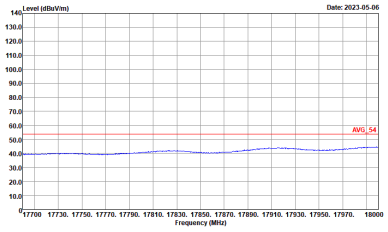
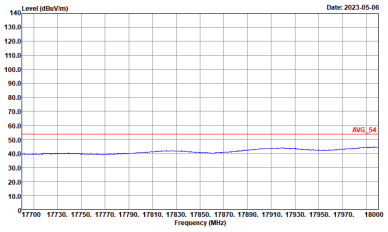
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
17.7G ~18G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_220809 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_220809 VERTICAL

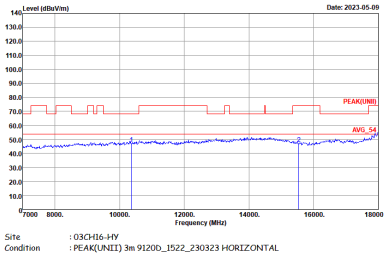
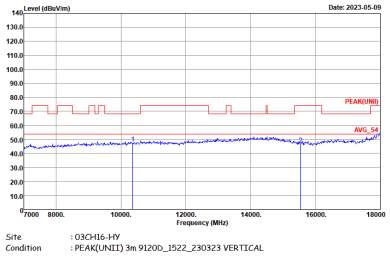
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
17.7G ~18G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

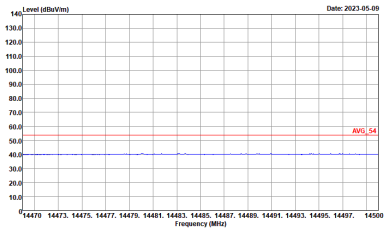
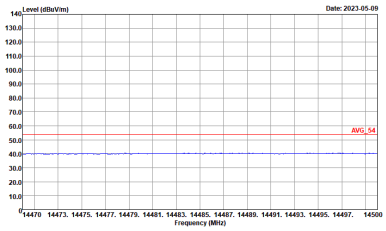
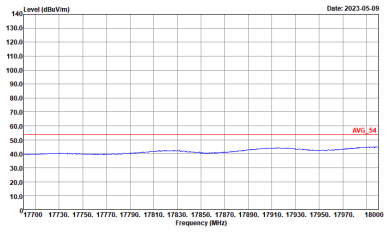
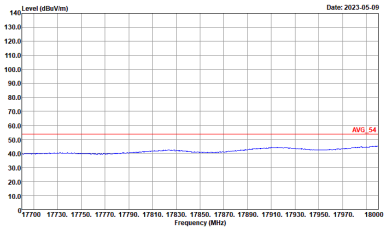
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_220809 HORIZONTAL	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02038_220809 VERTICAL

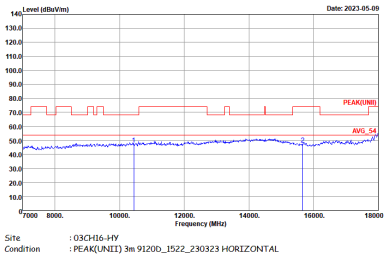
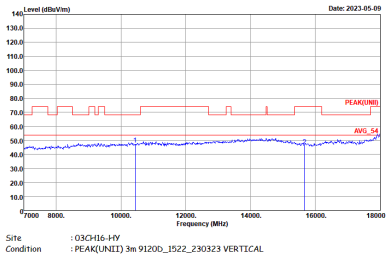
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
17.7G ~18G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

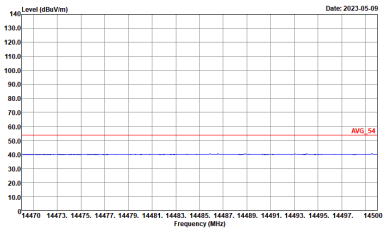
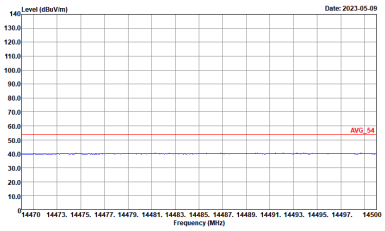
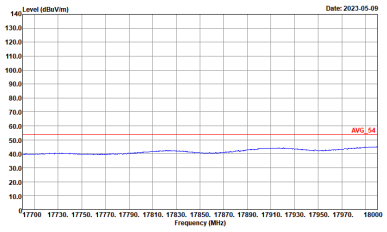
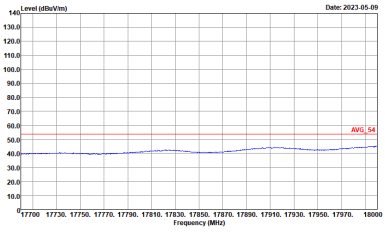
Band 1 5150~5250MHz

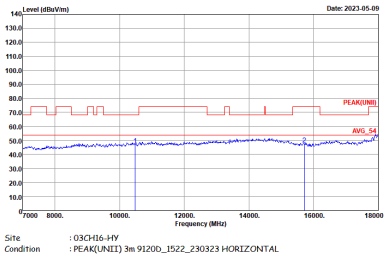
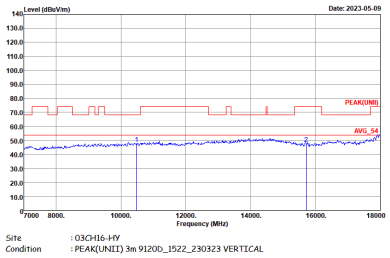
WIFI 802.11ax HE20 Full (Harmonic @ 3m)

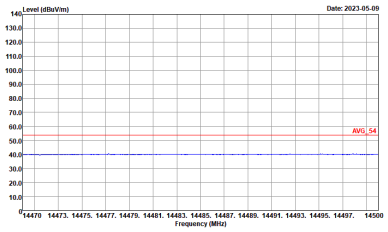
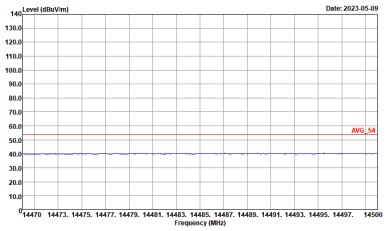
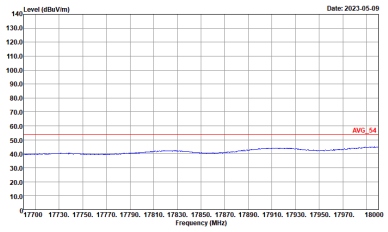
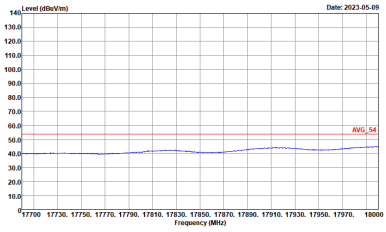
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH36 5180MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

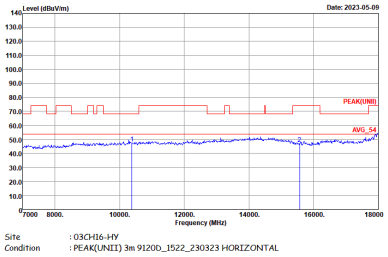
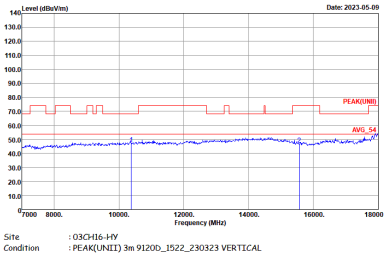
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH44 5220MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

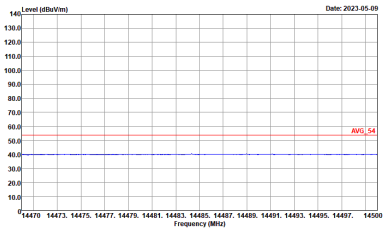
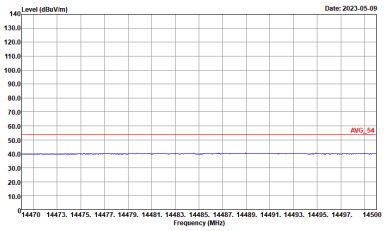
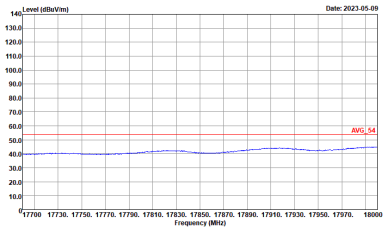
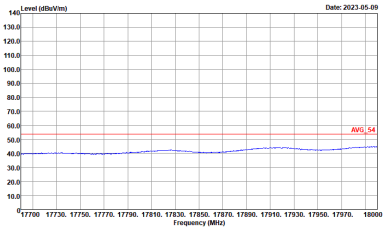
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

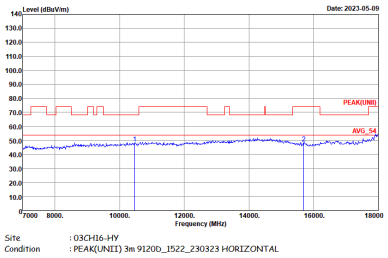
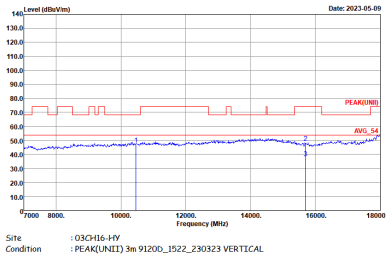
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE20 Full CH48 5240MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

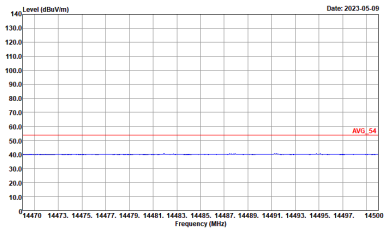
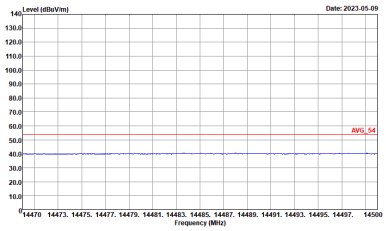
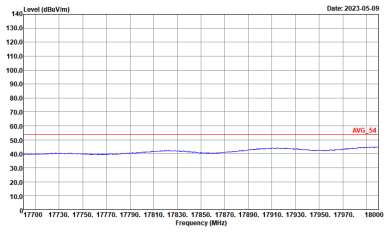
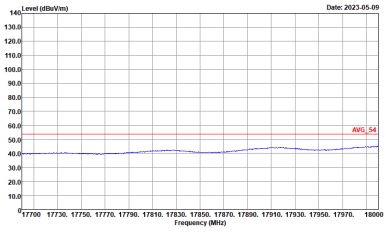
Band 1 5150~5250MHz

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.		

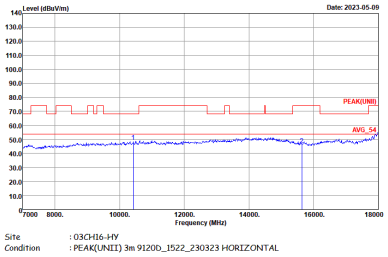
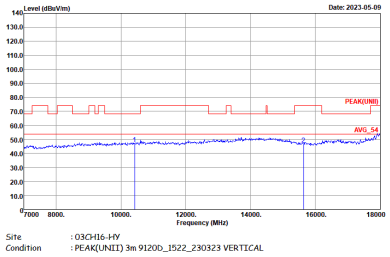
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH38 5190MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

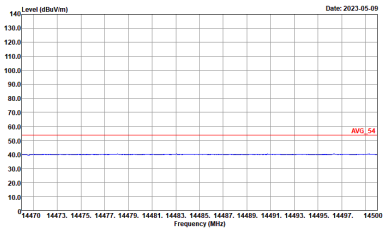
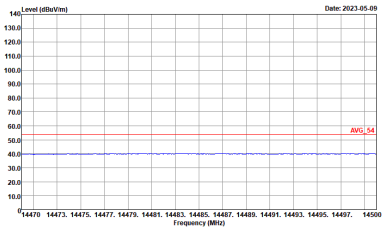
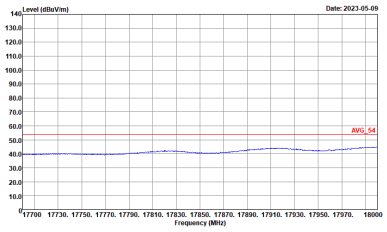
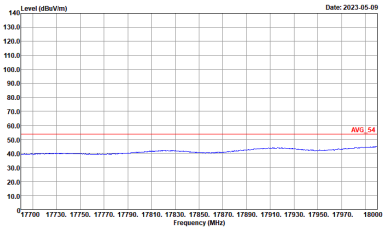
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE40 Full CH46 5230MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

Band 1 5150~5250MHz

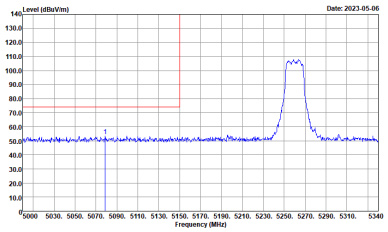
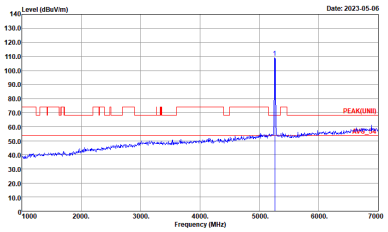
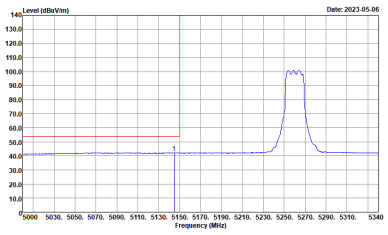
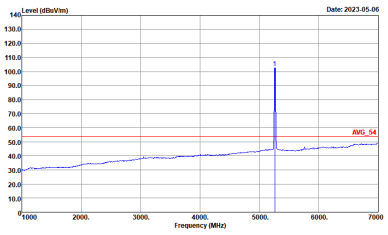
WIFI 802.11ax HE80 Full (Harmonic @ 3m)

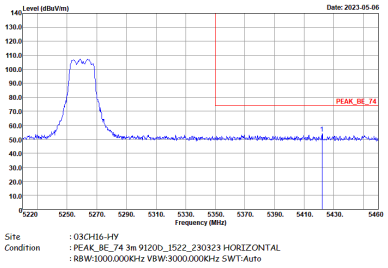
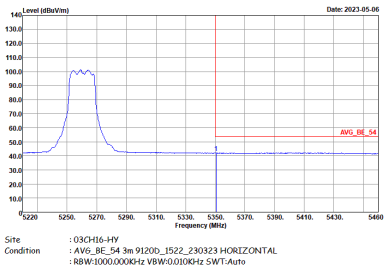
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
Peak Avg.		

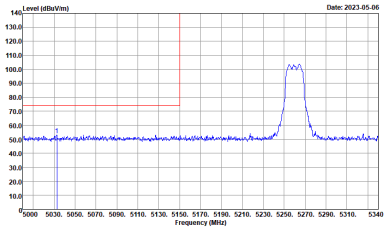
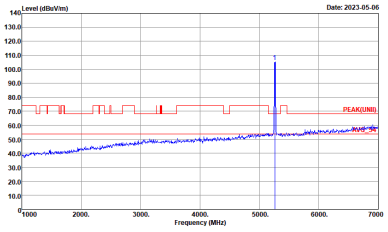
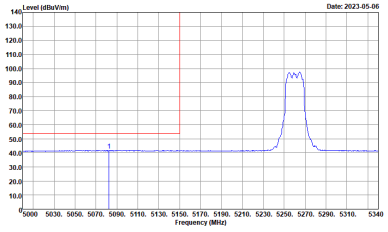
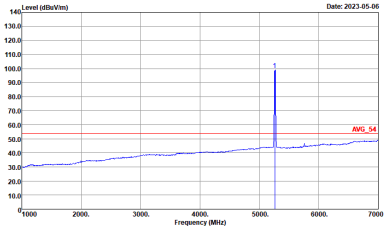
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ax HE80 Full CH42 5210MHz	
1+2	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL
17.7G ~18G Avg.	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL

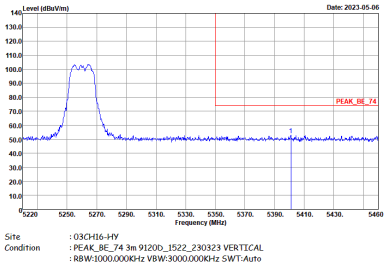
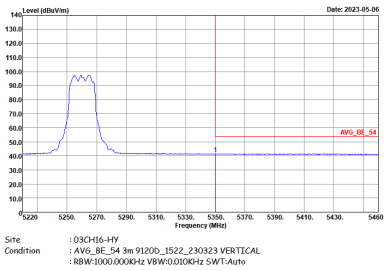
Band 2 - 5250~5350MHz

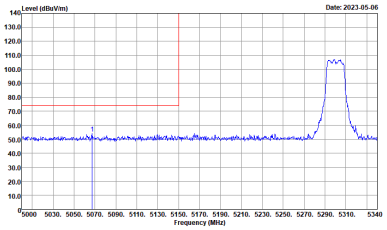
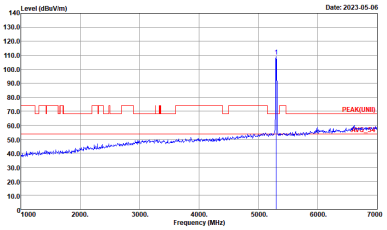
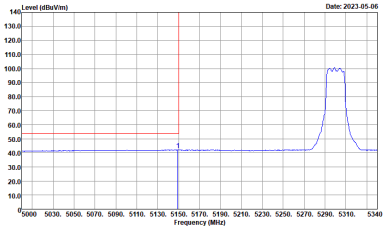
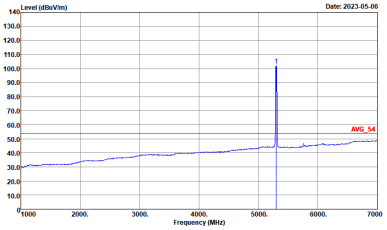
WIFI 802.11a (Band Edge @ 3m)

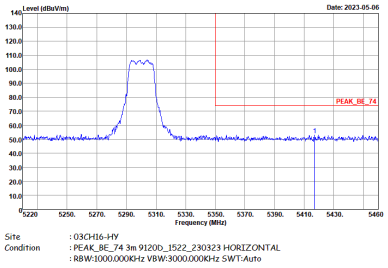
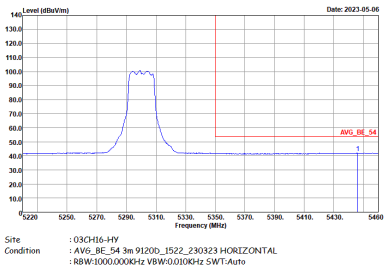
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AVG_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

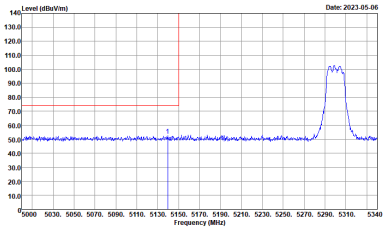
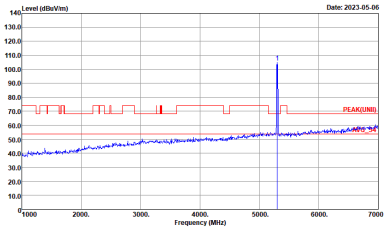
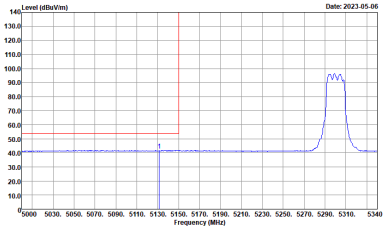
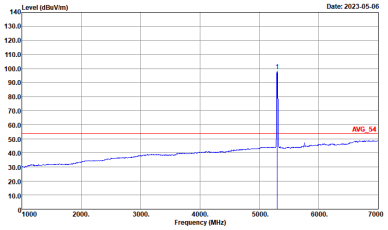
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

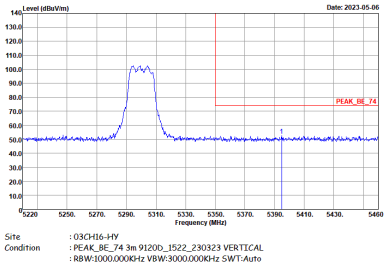
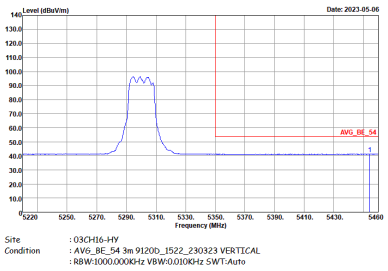
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

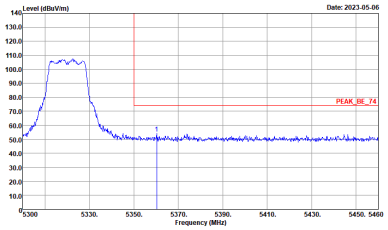
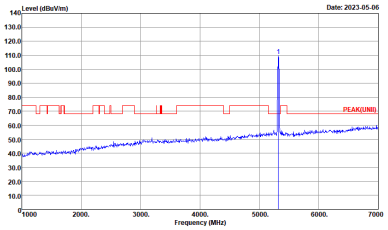
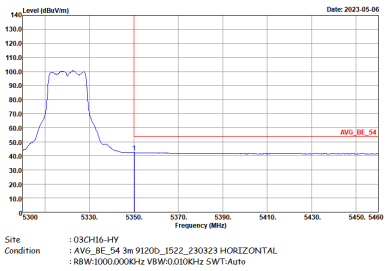
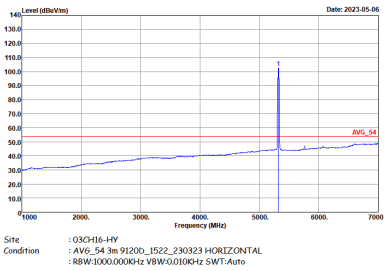
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

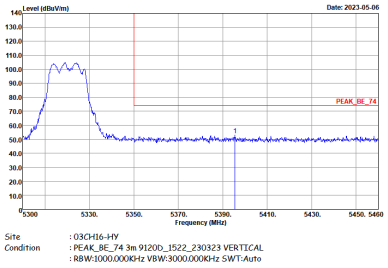
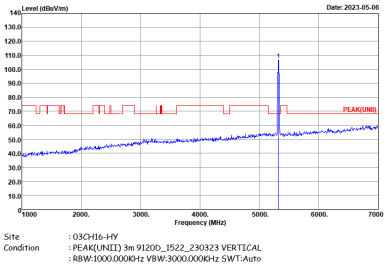
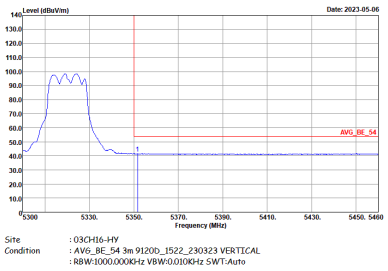
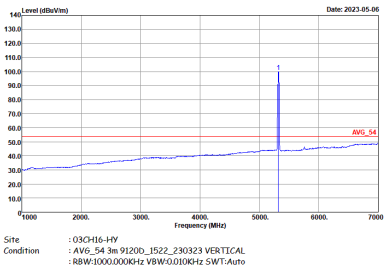
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

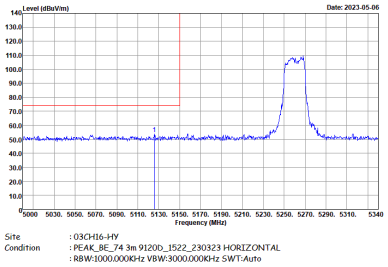
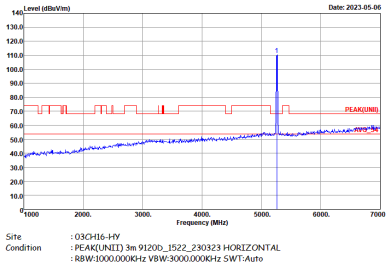
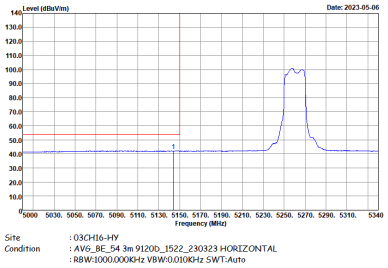
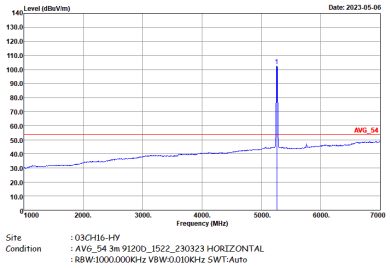
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

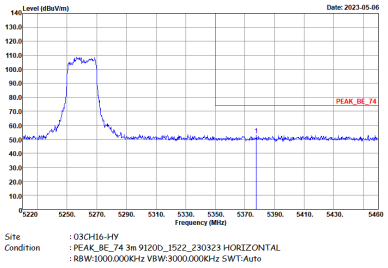
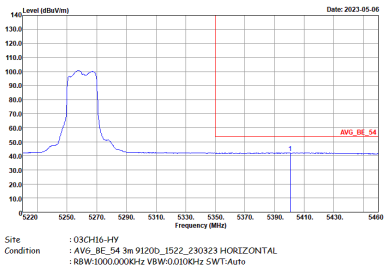
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

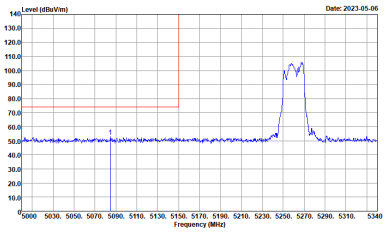
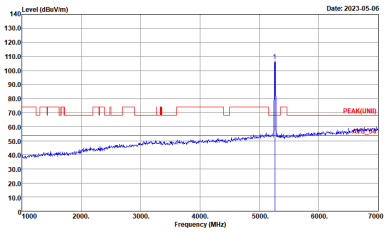
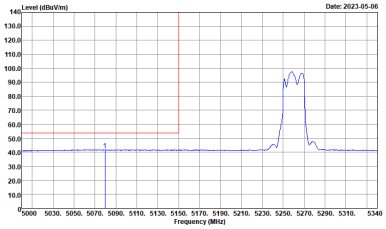
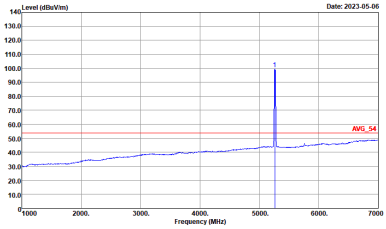
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

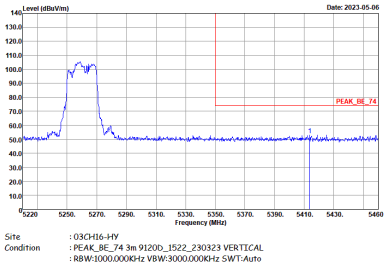
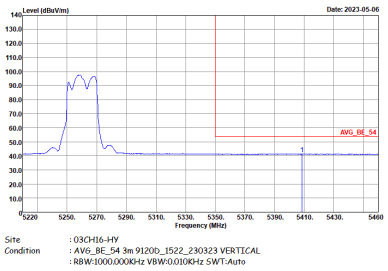
Band 2 5250~5350MHz

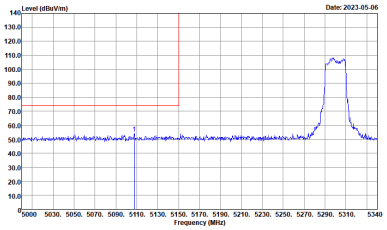
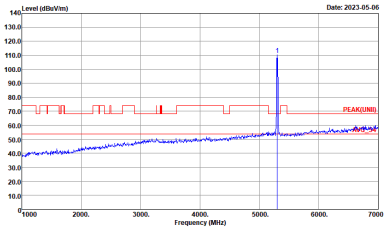
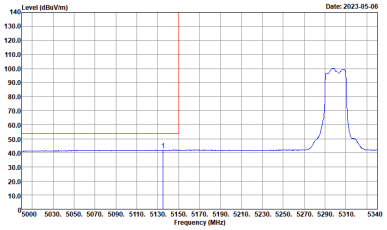
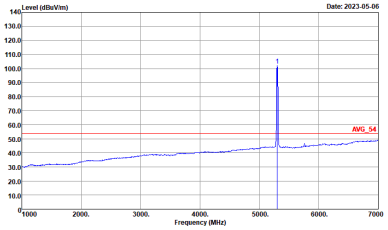
WIFI 802.11ax HE20 Full (Band Edge @ 3m)

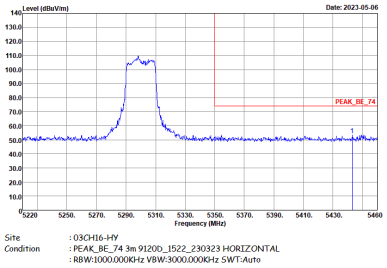
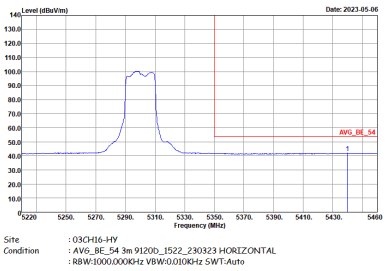
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

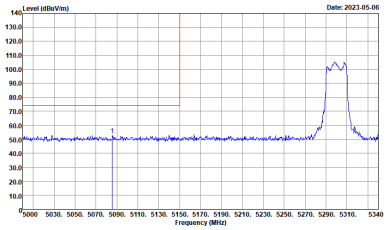
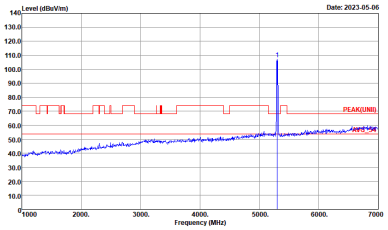
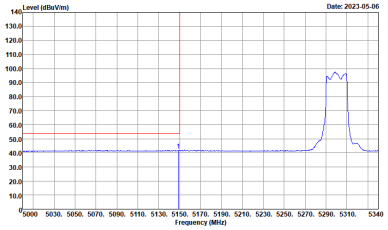
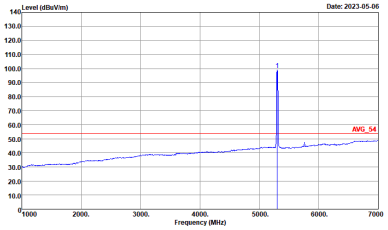
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

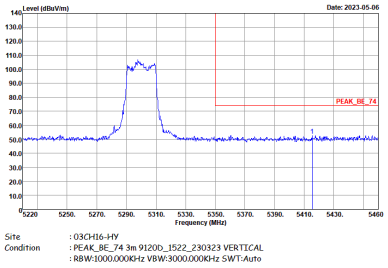
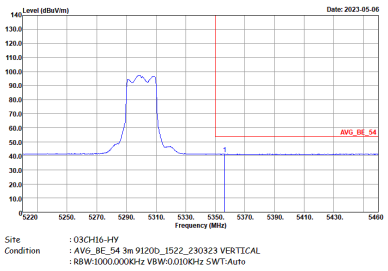
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

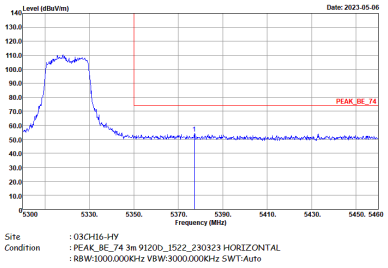
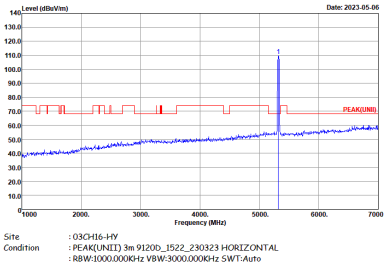
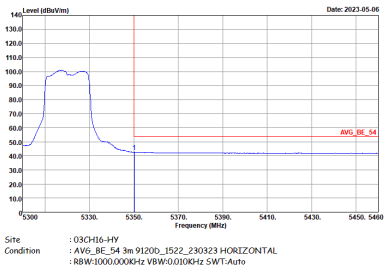
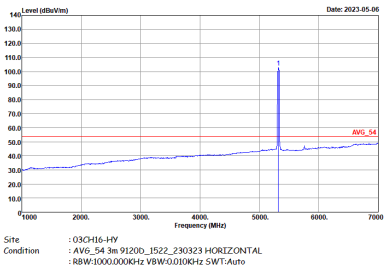
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

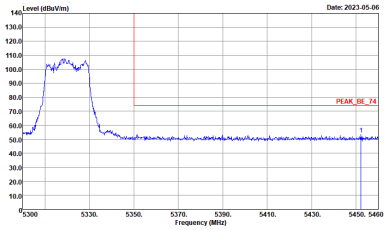
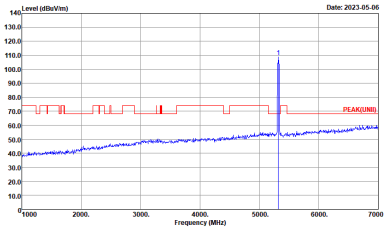
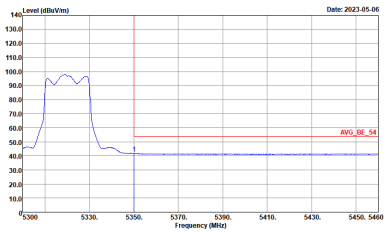
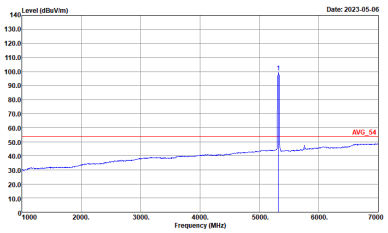
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_8E_74 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_8E_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH16-HY Condition : AV6_54 3m 9120D_1522_230323 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

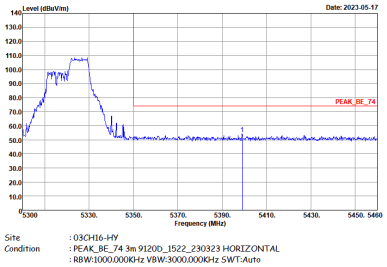
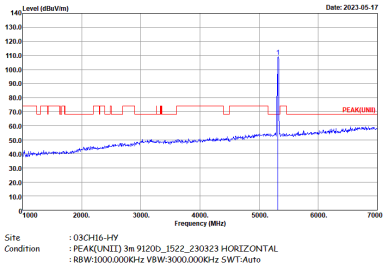
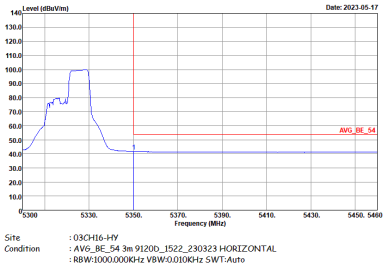
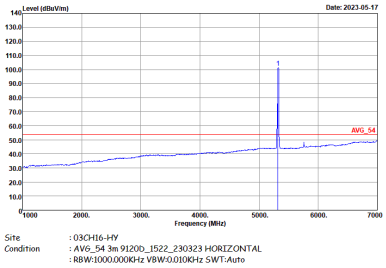
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

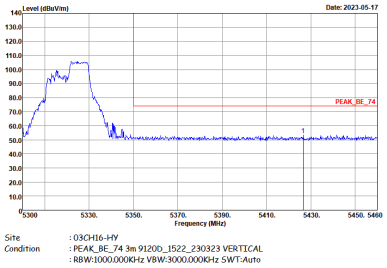
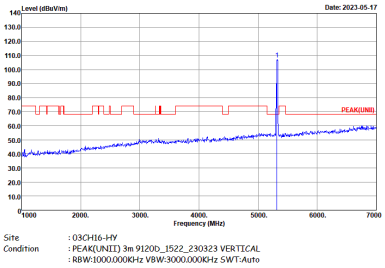
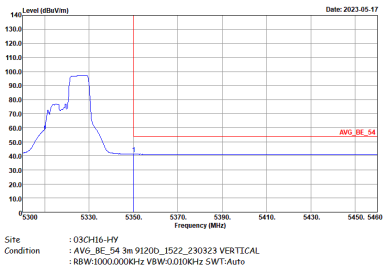
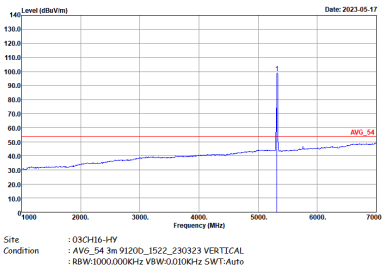
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Full CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

Band 2 - 5250~5350MHz

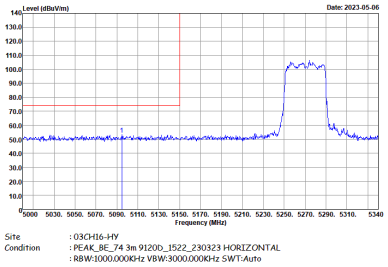
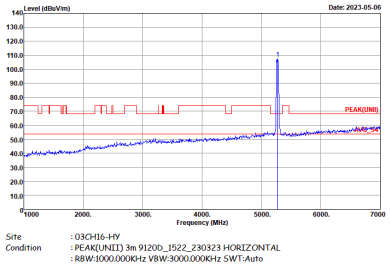
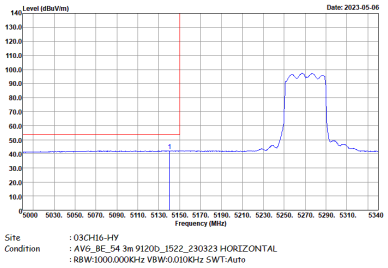
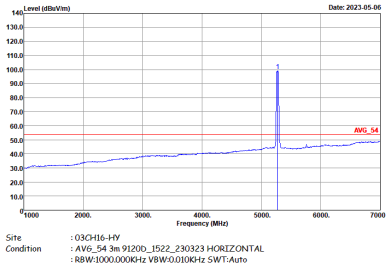
WIFI 802.11ax HE20 Partial 106 (Band Edge @ 3m)

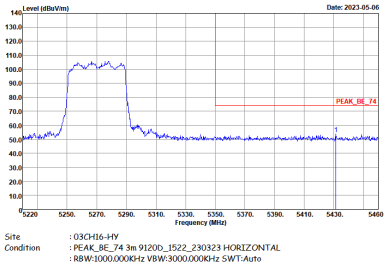
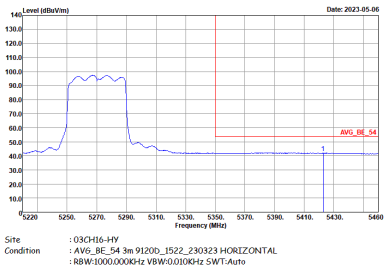
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

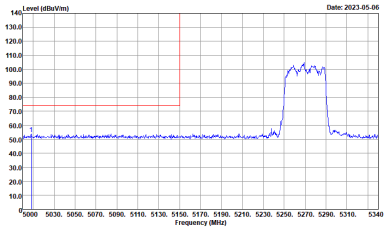
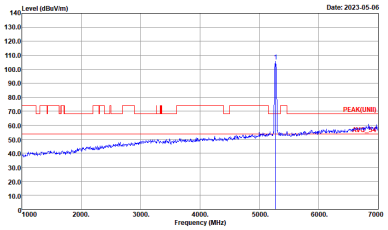
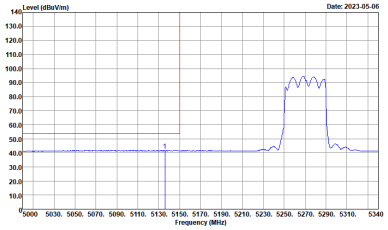
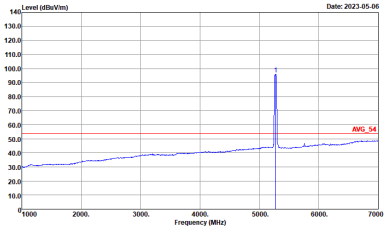
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE20 Partial 106/54 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

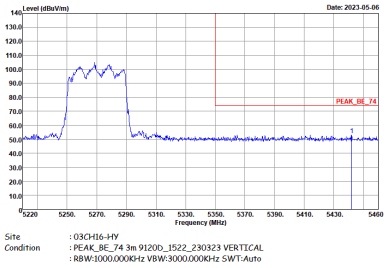
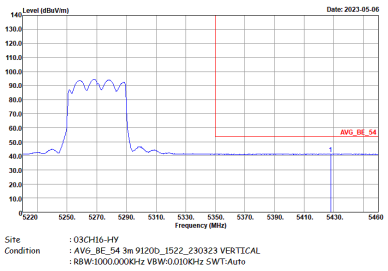
Band 2 5250~5350MHz

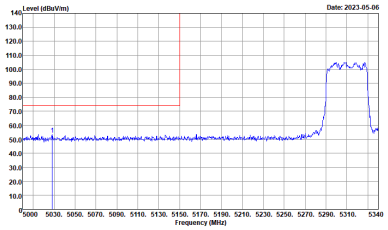
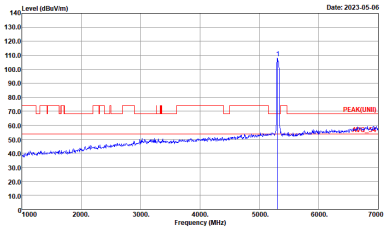
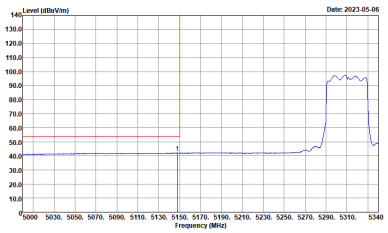
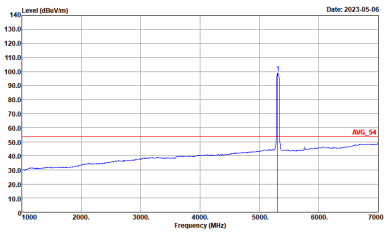
WIFI 802.11ax HE40 Full (Band Edge @ 3m)

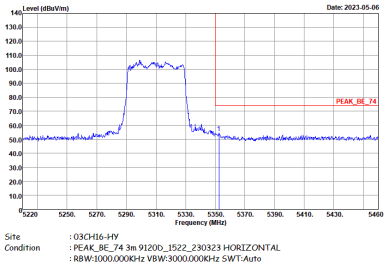
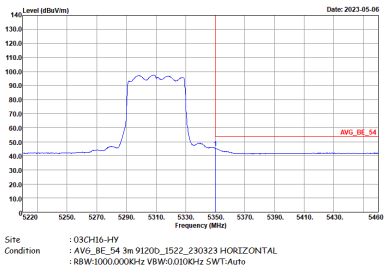
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

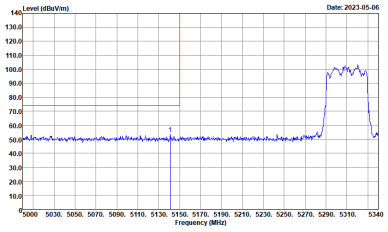
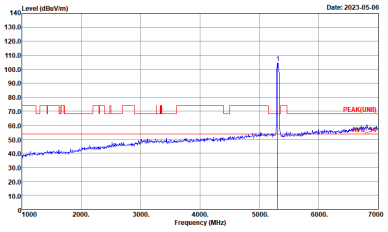
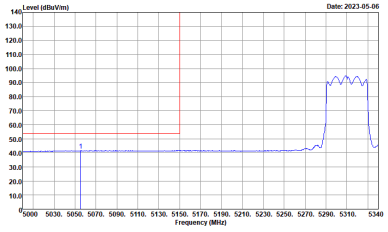
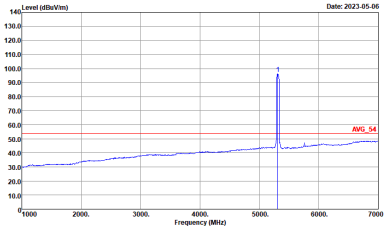
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

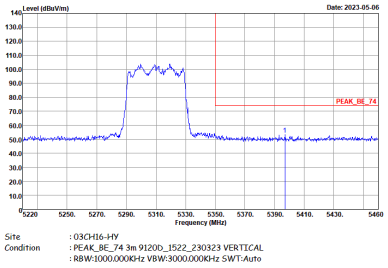
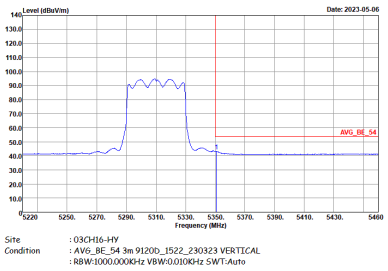
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH54 5270 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

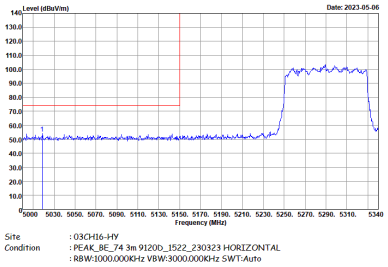
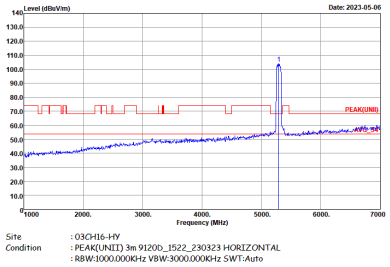
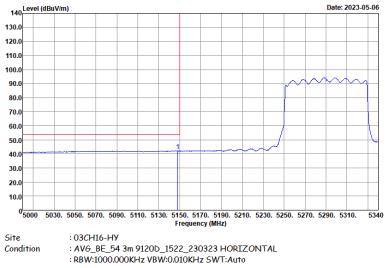
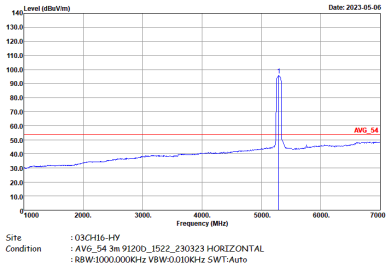
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE40 Full CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 5250~5350MHz

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ax HE80 Full CH58 5290MHz - L	
1+2	Horizontal	Fundamental
Peak		
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