FCC RADIO TEST REPORT

FCC ID	**:**	**A4RGTU8P**
Equipment	**:**	**Wireless Device**
Applicant	**:**	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Sep. 23, 2022 and testing was performed from Oct. 02, 2022 to Jan. 26, 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
No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FR1O0605-09D	01	Initial issue of report	Dec. 05, 2022
FR1O0605-09D	02	Add Conducted Duty Cycle plots	Dec. 22, 2022
FR1O0605-09D	03	Revise Conducted Test Results	Jan. 27, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	Emission 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	1.66 dB under the limit at 5350.080 MHz
3.5	15.207	AC Conducted Emission	Pass	20.99 dB under the limit at 1.433 MHz
3.6	15.203	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: William Chen

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Wireless Device
FCC ID	A4RGTU8P
EUT supports Radios application	UWB WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 WLAN 11ax HE20/HE40/HE80 Bluetooth BR/EDR/LE

Remark: The above EUT's information was declared by manufacturer.

EUT Information List	
S/N	**Performed Test Item**
105650087900020228W0008A	RF Conducted Measurement
WIP2914105H800BC4 WIP2919105H800CL3	Radiated Spurious Emission
WIP2901105H8009EG	Conducted Emission

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz 5745 MHz ~ 5825 MHz
Maximum Output Power	**<5180 MHz ~ 5240 MHz>** **MIMO <Ant. 0+2>** 802.11a: 19.16 dBm / 0.0824 W 802.11n HT20: 19.81 dBm / 0.0957 W 802.11n HT40: 18.26 dBm / 0.0670 W 802.11ac VHT20: 19.11 dBm / 0.0815 W 802.11ac VHT40: 18.16 dBm / 0.0655 W 802.11ac VHT80: 14.71 dBm / 0.0296 W 802.11ax HE20: 19.11 dBm / 0.0815 W 802.11ax HE40: 17.46 dBm / 0.0557 W 802.11ax HE80: 14.61 dBm / 0.0289 W **<5260 MHz ~ 5320 MHz>** **MIMO <Ant. 0+2>** 802.11a: 19.96 dBm / 0.0991 W 802.11n HT20: 19.66 dBm / 0.0925 W 802.11n HT40: 18.41 dBm / 0.0693 W 802.11ac VHT20: 19.16 dBm / 0.0824 W 802.11ac VHT40: 18.31 dBm / 0.0678 W 802.11ac VHT80: 15.11 dBm / 0.0324 W 802.11ax HE20: 19.16 dBm / 0.0824 W 802.11ax HE40: 17.46 dBm / 0.0557 W 802.11ax HE80: 15.01 dBm / 0.0317 W **<5500 MHz ~ 5720 MHz>** **MIMO <Ant. 0+2>** 802.11a: 19.67 dBm / 0.0927 W 802.11n HT20: 19.21 dBm / 0.0834 W 802.11n HT40: 18.41 dBm / 0.0693 W 802.11ac VHT20: 18.91 dBm / 0.0778 W 802.11ac VHT40: 18.31 dBm / 0.0678 W 802.11ac VHT80: 18.36 dBm / 0.0685 W 802.11ax HE20: 18.91 dBm / 0.0778 W 802.11ax HE40: 17.46 dBm / 0.0557 W 802.11ax HE80: 17.16 dBm / 0.0520 W **<5745 MHz ~ 5825 MHz>** **MIMO <Ant. 0+2>** 802.11a: 20.41 dBm / 0.1099 W 802.11n HT20: 20.21 dBm / 0.1050 W 802.11n HT40: 18.16 dBm / 0.0655 W 802.11ac VHT20: 19.46 dBm / 0.0883 W 802.11ac VHT40: 18.06 dBm / 0.0640 W 802.11ac VHT80: 18.26 dBm / 0.0670 W 802.11ax HE20: 19.41 dBm / 0.0873 W 802.11ax HE40: 17.26 dBm / 0.0532 W 802.11ax HE80: 17.11 dBm / 0.0514 W

<table>
<tr><th colspan="2">Product Specification is subject to this standard</th></tr>
<tr><td>99% Occupied Bandwidth</td><td>MIMO <Ant. 0>
802.11a: 16.88 MHz
802.11n HT20: 19.43 MHz
802.11n HT40: 45.06 MHz
802.11ac VHT80: 76.12 MHz
MIMO <Ant. 2>
802.11a: 16.58 MHz
802.11n HT20: 17.83 MHz
802.11n HT40: 36.86 MHz
802.11ac VHT80: 76.00 MHz</td></tr>
<tr><td>Antenna Type</td><td><5180 MHz ~ 5240 MHz>
<Ant. 0>: PIFA Antenna
<Ant. 2>: PIFA Antenna
<5260 MHz ~ 5320 MHz>
<Ant. 0>: PIFA Antenna
<Ant. 2>: PIFA Antenna
<5500 MHz ~ 5720 MHz>
<Ant. 0>: PIFA Antenna
<Ant. 2>: PIFA Antenna
<5745 MHz ~ 5825 MHz>
<Ant. 0>: PIFA Antenna
<Ant. 2>: PIFA Antenna</td></tr>
<tr><td>Antenna Gain</td><td><5180 MHz ~ 5240 MHz>
<Ant. 0>: 3.5 dBi
<Ant. 2>: 4.0 dBi
<5260 MHz ~ 5320 MHz>
<Ant. 0>: 3.5 dBi
<Ant. 2>: 4.0 dBi
<5500 MHz ~ 5720 MHz>
<Ant. 0>: 3.5 dBi
<Ant. 2>: 4.0 dBi
<5745 MHz ~ 5825 MHz>
<Ant. 0>: 3.5 dBi
<Ant. 2>: 4.0 dBi</td></tr>
<tr><td>Type of Modulation</td><td>802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
802.11ax : OFDMA (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM)</td></tr>
<tr><td>Antenna Function Description</td><td><table><tr><td></td><td>Ant. 0</td><td>Ant. 2</td></tr><tr><td>802.11 a/n/ac/ax MIMO</td><td>V</td><td>V</td></tr></table></td></tr>
</table>

Remark:

1. MIMO Ant. 0+2 Directional Gain is a calculated result from MIMO Ant. 0 and MIMO Ant. 2. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 0 + Ant. 2 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 2.
3. The EUT's information above is declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2.1 Antenna Gain

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 0 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.50	4.00	4.00	6.76	0.00	0.76
Band II	3.50	4.00	4.00	6.76	0.00	0.76
Band III	3.50	4.00	4.00	6.76	0.00	0.76
Band IV	3.50	4.00	4.00	6.76	0.00	0.76

Calculation example:

If a device has two antenna, G_{ANT1}= 3.5dBi; G_{ANT2}=4.0dBi

Directional gain of power measurement = max(3.5, 4.0) + 0 = 4.0 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.5 dBi / 20) + 10^ (4.0 dBi / 20)] ^ 2 } / 2 }

= 6.76 dBi

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	CO05-HY (TAF Code: 1190)
Remark	The Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH11-HY, 03CH15-HY

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

FCC designation No.: TW1190 and TW3786

1.5 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.

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 accessory (Adapter or Earphone), 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		

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

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 26/52/106/242/484/996-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, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

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

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

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

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT20 (Covered by HT20)	**MCS0**
802.11ac VHT40 (Covered by HT40)	**MCS0**
802.11ac VHT80	**MCS0**
802.11ax HE20 (Covered by HT20)	**MCS0**
802.11ax HE40 (Covered by HT40)	**MCS0**
802.11ax HE80 (Covered by VHT80)	**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 : WLAN (5GHz) Link + Bluetooth Link + USB Cable (Charging from AC 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
		802.11n HT20	802.11n HT20	802.11n HT20
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
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

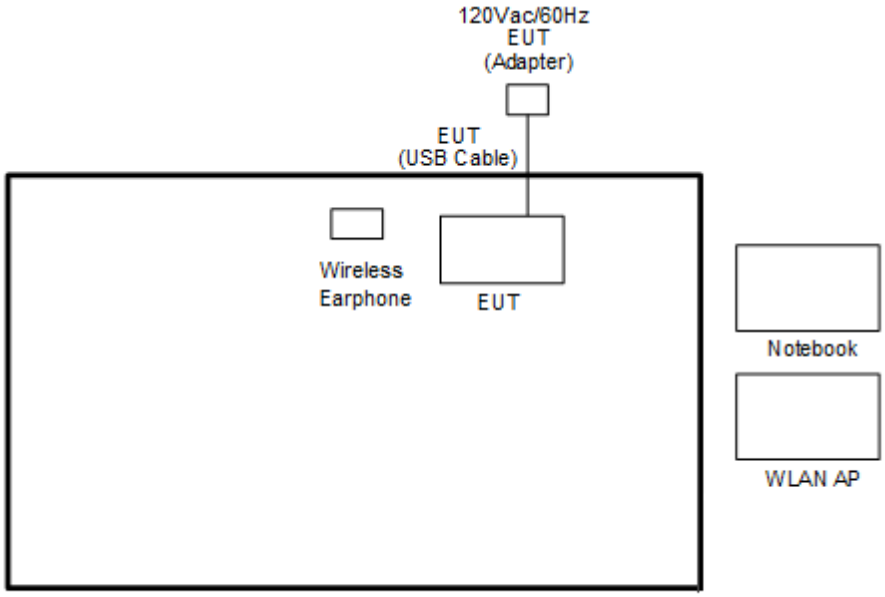
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

Ch. #		Band IV：5725-5850 MHz			
		802.11a	802.11n HT20	802.11n HT40	802.11ac VHT80
L	Low	149	149	151	-
M	Middle	157	157	-	155
H	High	165	165	159	-

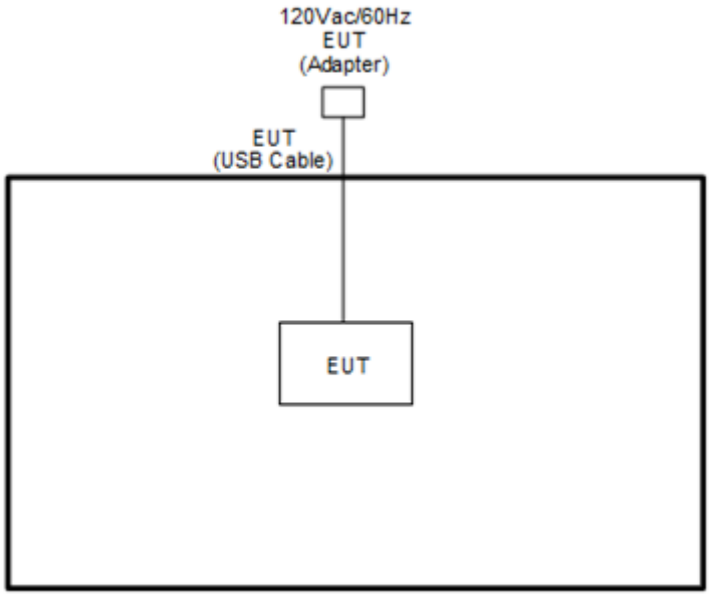
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Wireless Earphone	Google	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “CMD v.10.0.18362.1256” 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 Emission Bandwidth and 99% Occupied Bandwidth Measurement

3.1.1 Description of Emission Bandwidth and 99% Occupied Bandwidth

26dB and 99% Occupied bandwidth are reporting only.

The minimum 6 dB bandwidth shall be at least 500 kHz for the band 5.725-5.85 GHz.

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.

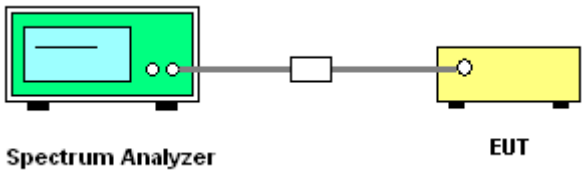
3.1.2 Measuring Instruments

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. For 6dB bandwidth measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 100 kHz and set the Video bandwidth (VBW) ≥ 3 * RBW. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
9. Measure and record the results in the test report.

3.1.4 Test Setup

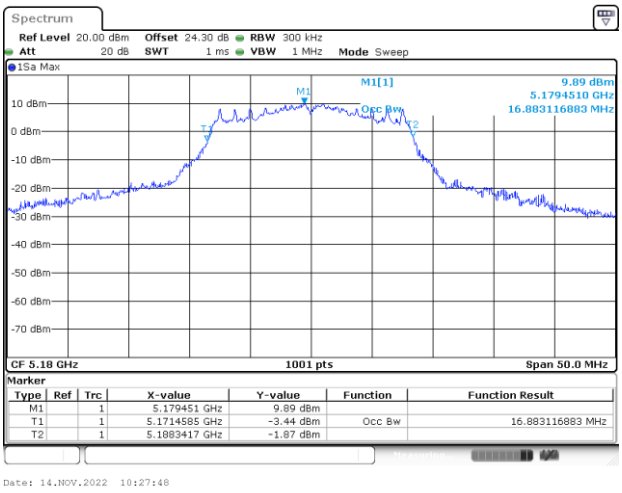
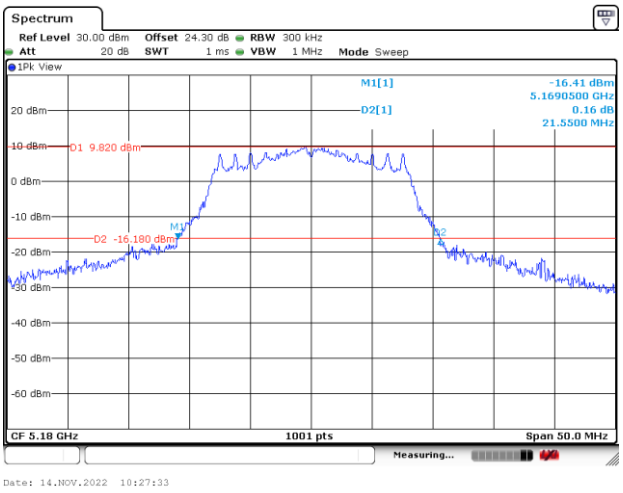
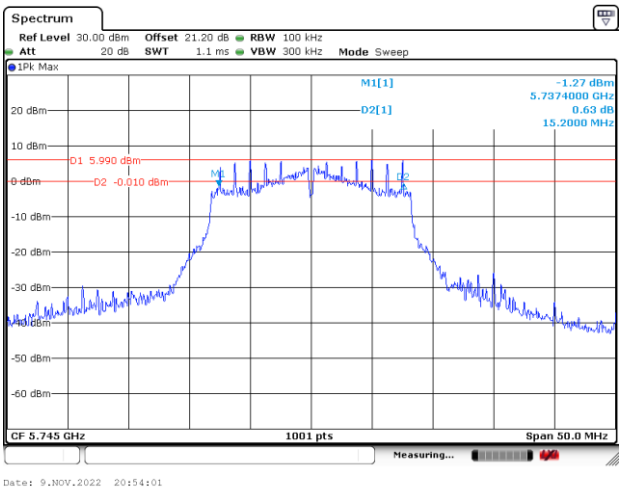


3.1.5 Test Result of Emission Bandwidth and 99% Occupied Bandwidth

Please refer to Appendix A.

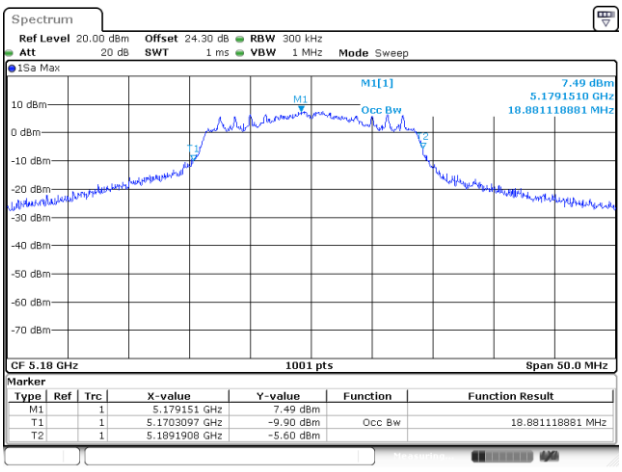
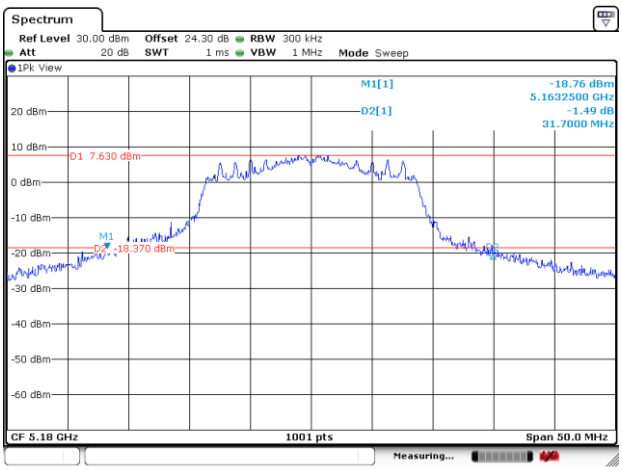
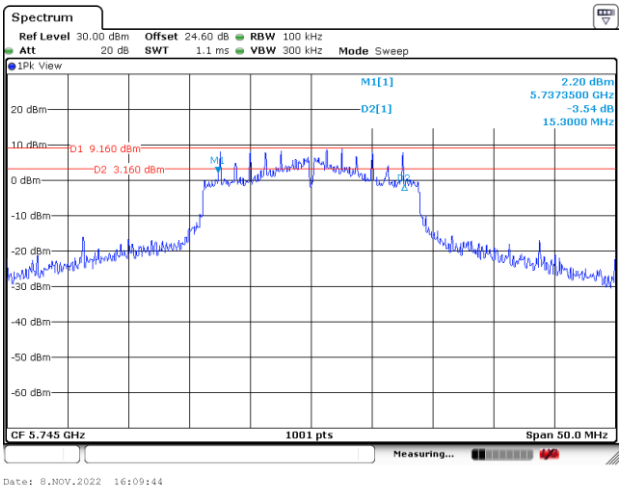
MIMO <Ant. 0+2>

<802.11a>

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

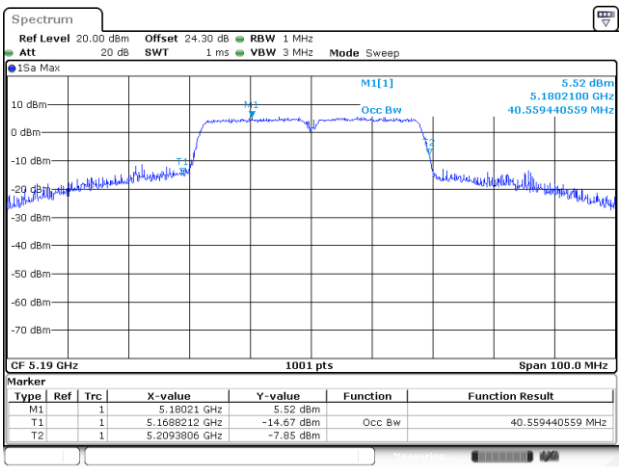
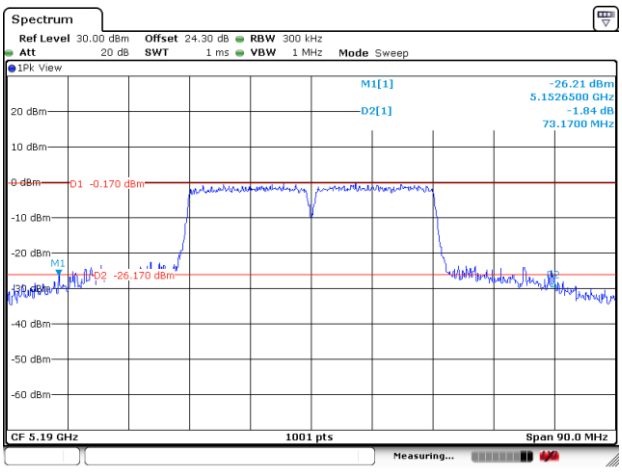
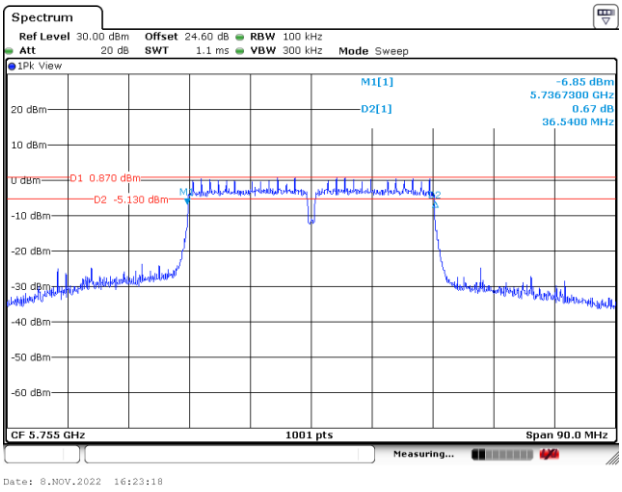
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

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

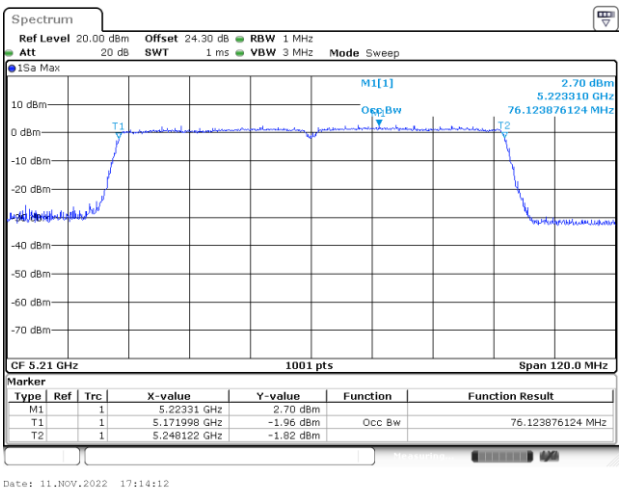
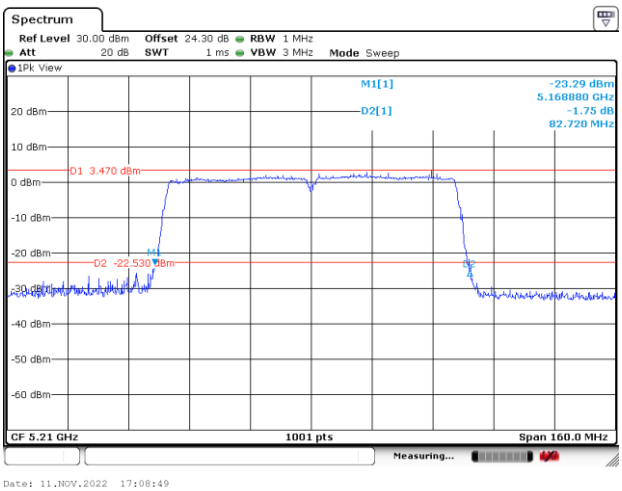
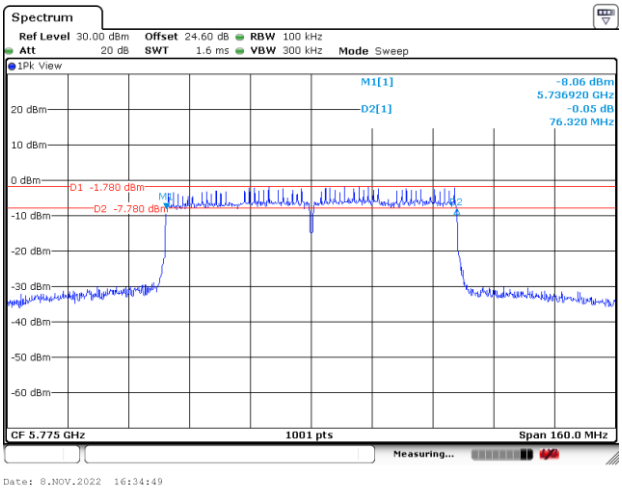
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT40>

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

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

<802.11ac VHT80>

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

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.

For the band 5.725–5.85 GHz:

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

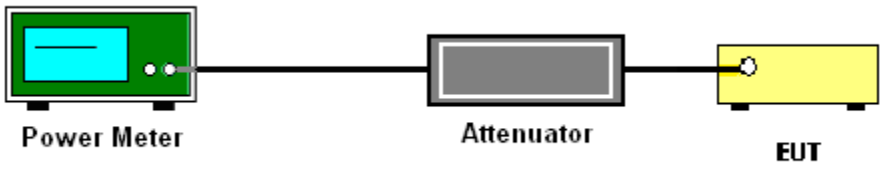
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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.

For the band 5.725–5.85 GHz:

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

For the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz:

 # Method SA-2 #

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

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

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

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

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

For the band 5.725–5.85 GHz:

 # Method SA-2 #

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

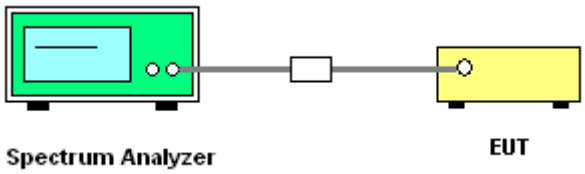
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number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

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

   Method (c): Measure and add 10 log(N_{ANT}) dB.

   With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity 10 log(N_{ANT}) dB is added to each spectrum value before comparing to the emission limit. The addition of 10 log(N_{ANT}) dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{ANT}$ th of the PSD limit.

3.3.4 Test Setup

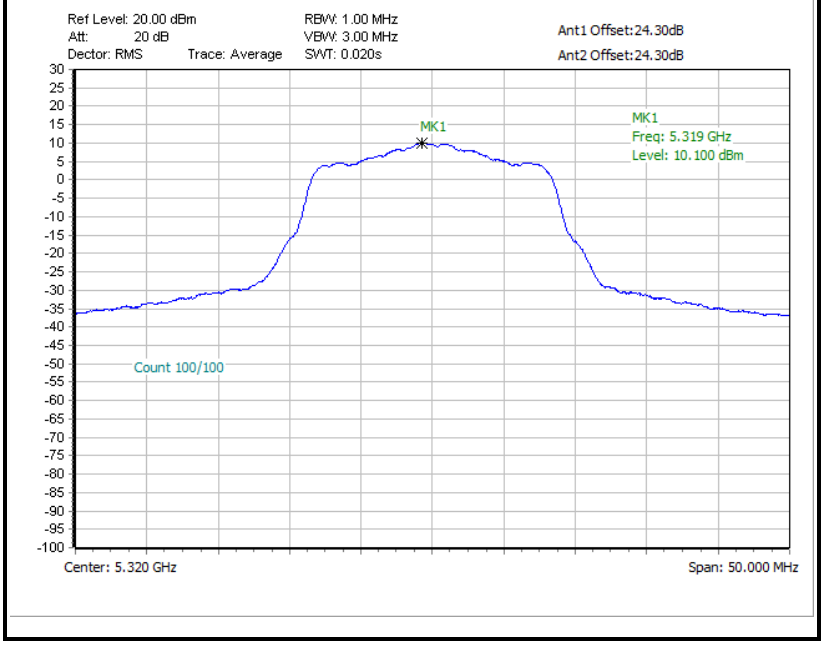


3.3.5 Test Result of Power Spectral Density

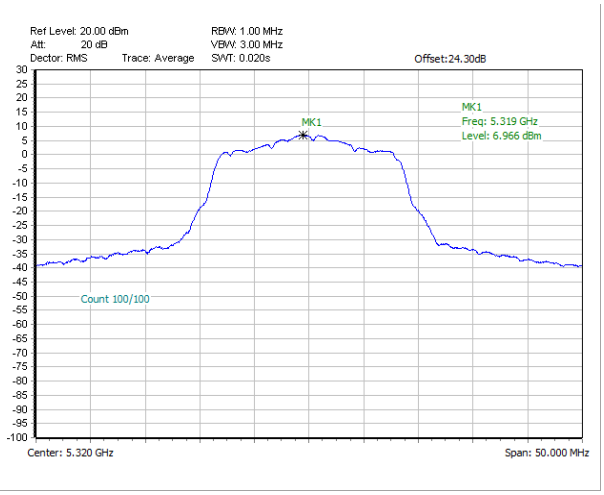
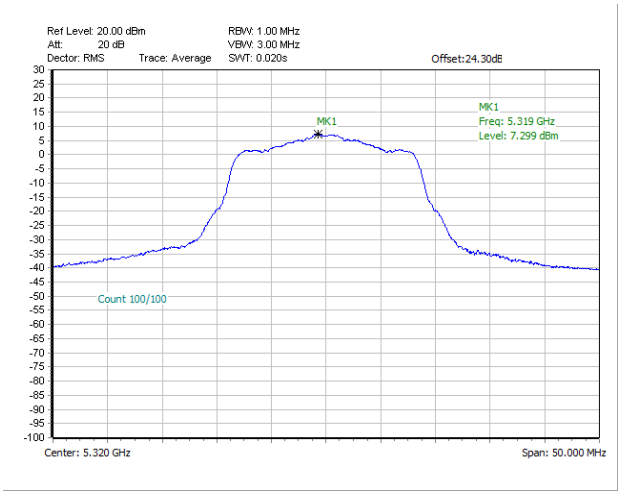
Please refer to Appendix A.

For the band 5.15−5.25 GHz, 5.25−5.35 GHz, and 5.47−5.725 GHz:

<802.11a>

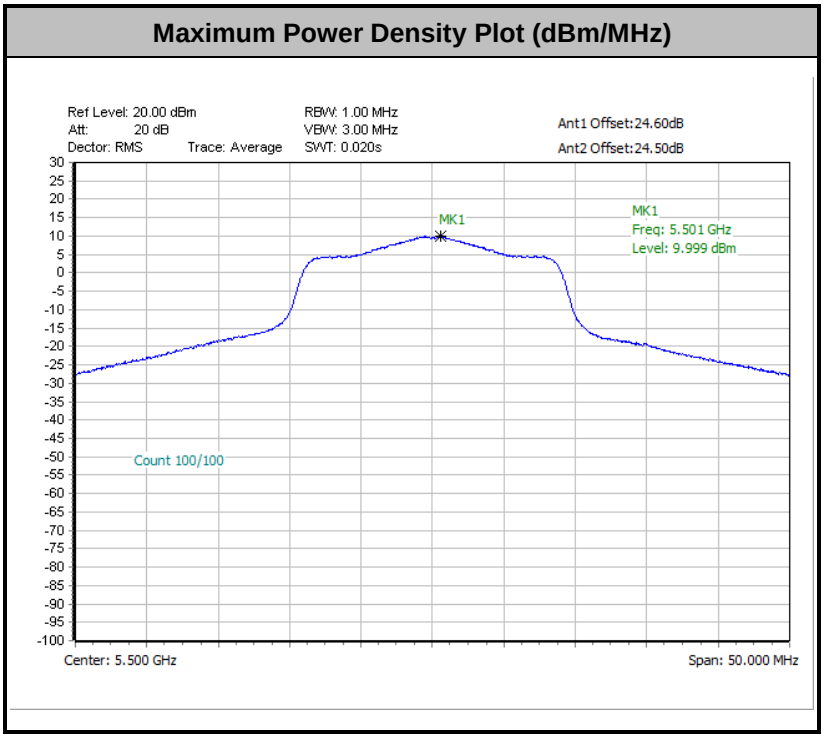
Maximum Power Density Plot (dBm/MHz)


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

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 2)
	

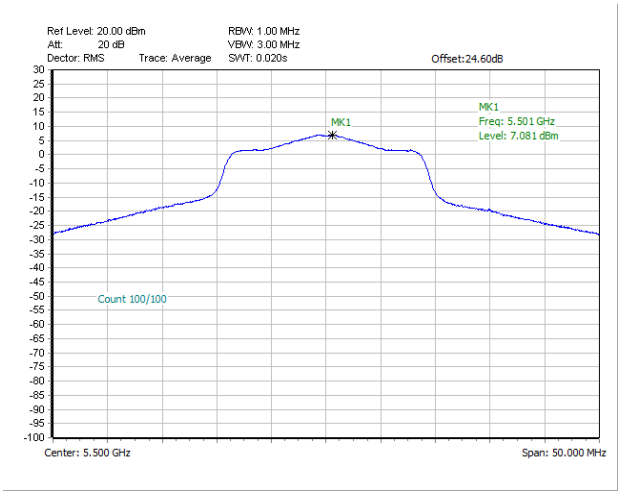
<802.11n HT20>

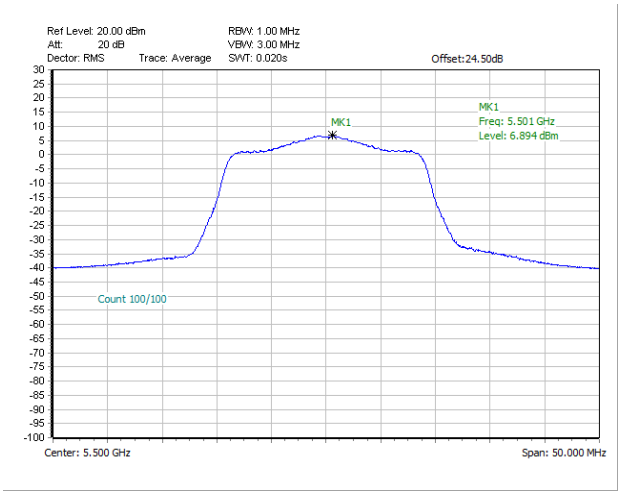
Maximum Power Density Plot (dBm/MHz)



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

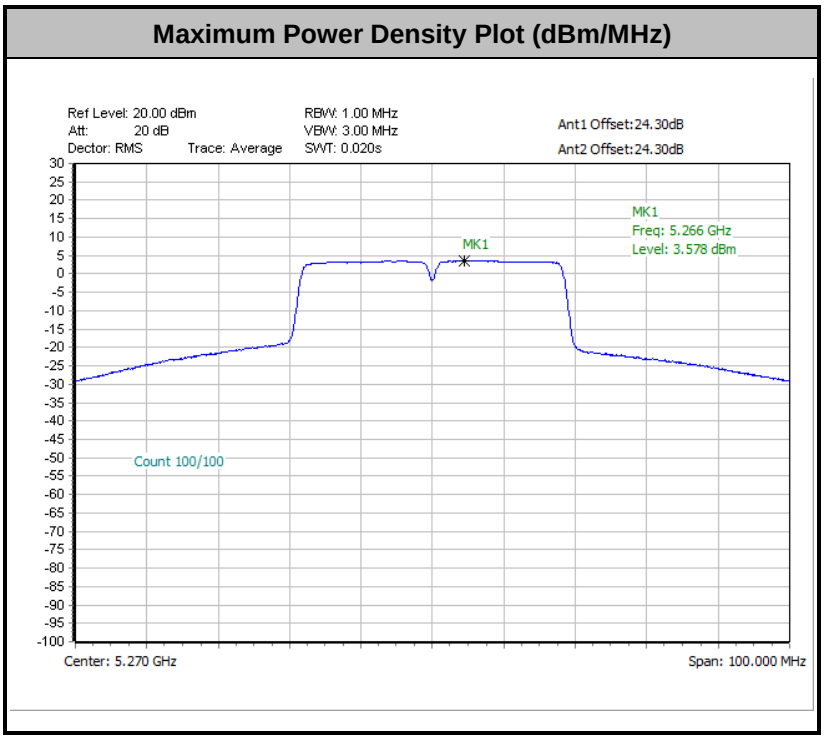
Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 2)





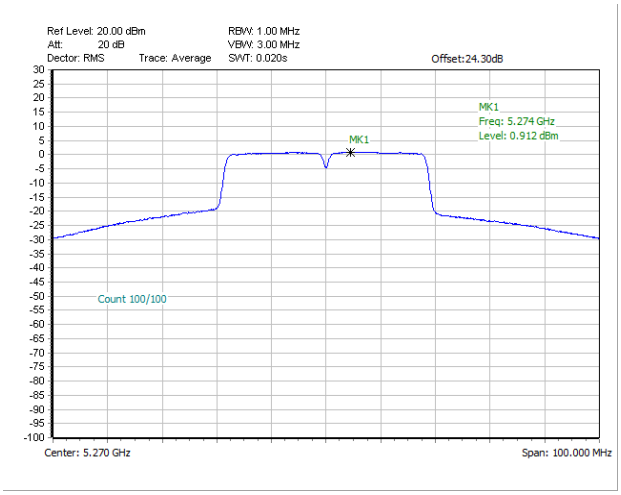
<802.11n HT40>

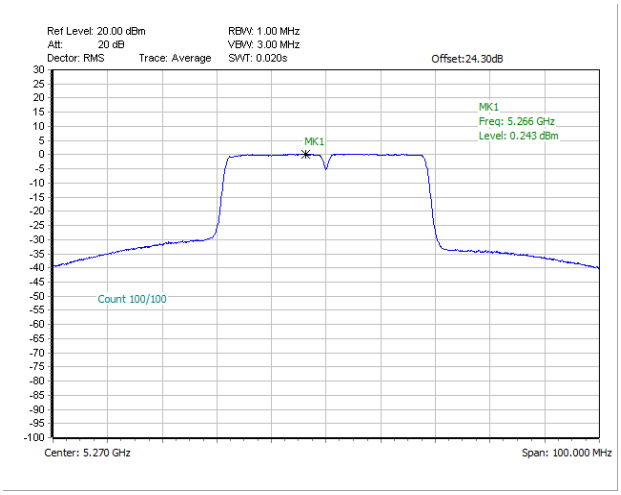
Maximum Power Density Plot (dBm/MHz)



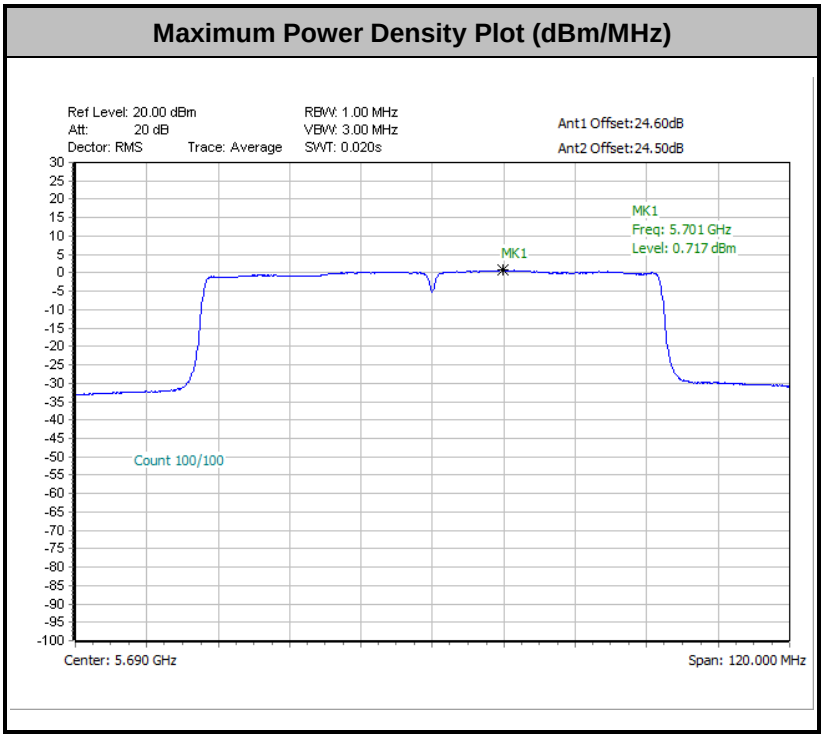
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 2)

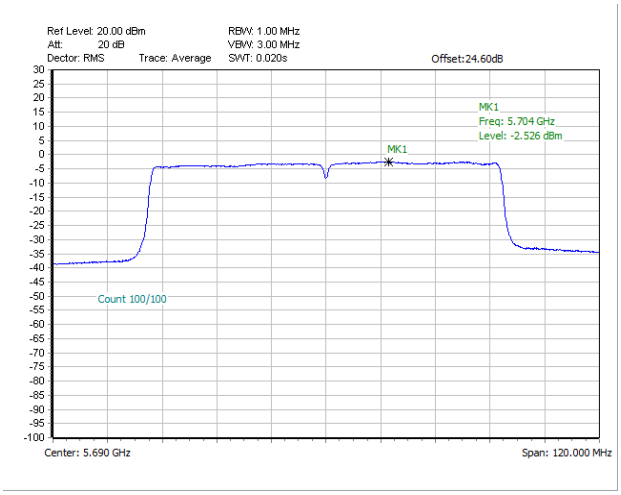
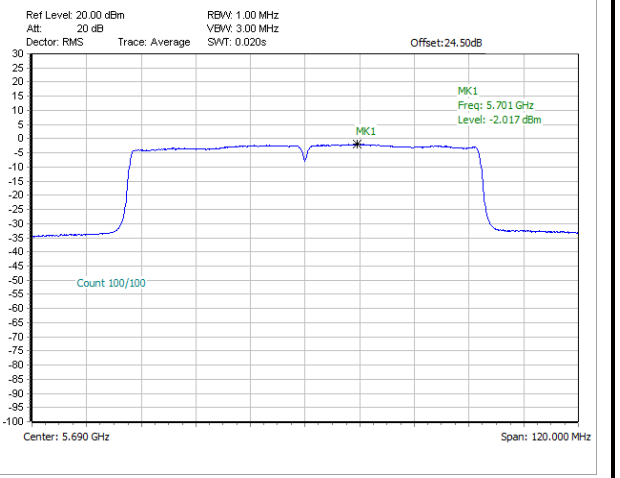




<802.11ac VHT80>

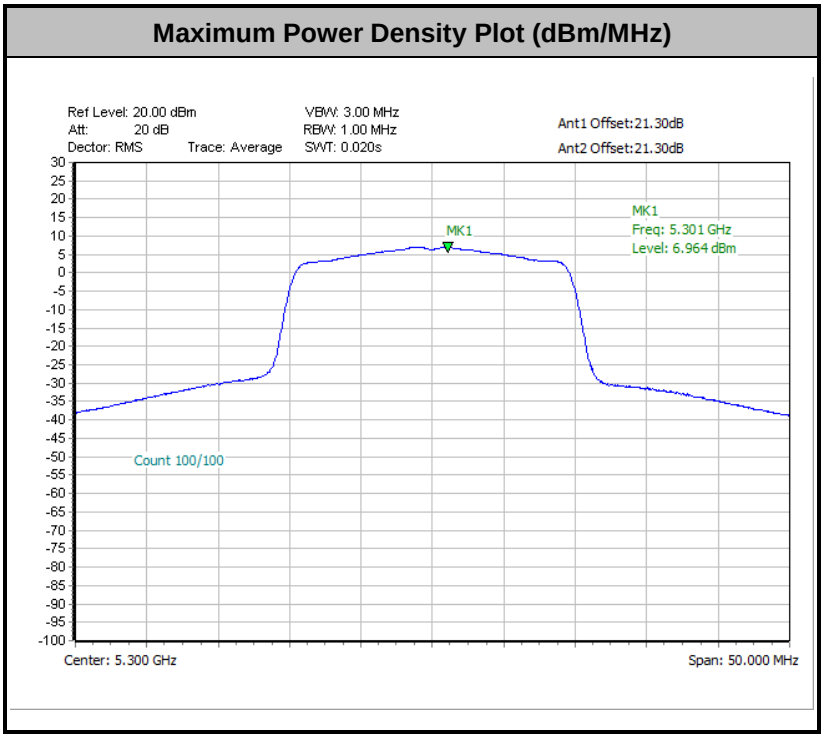
Maximum Power Density Plot (dBm/MHz)


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

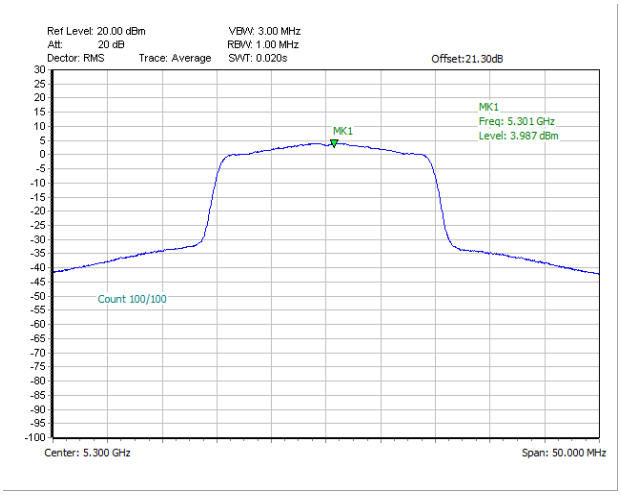
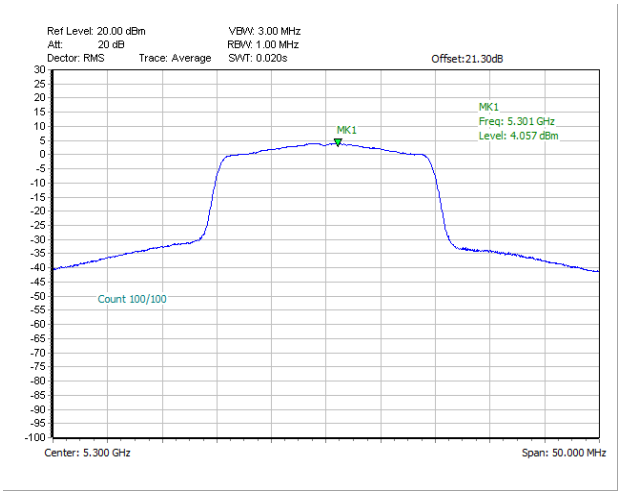
Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 2)
	

<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)

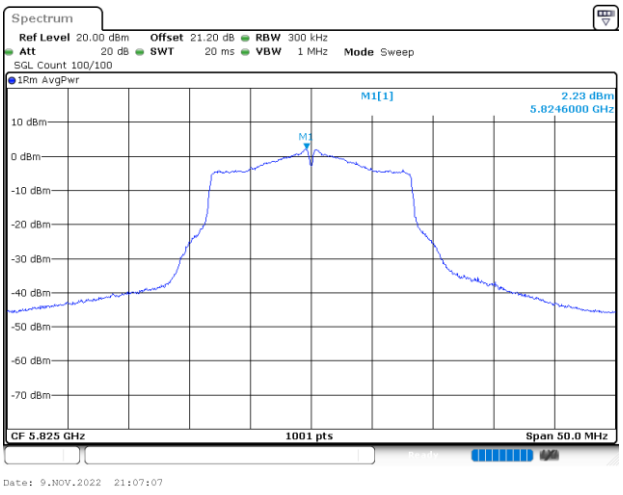
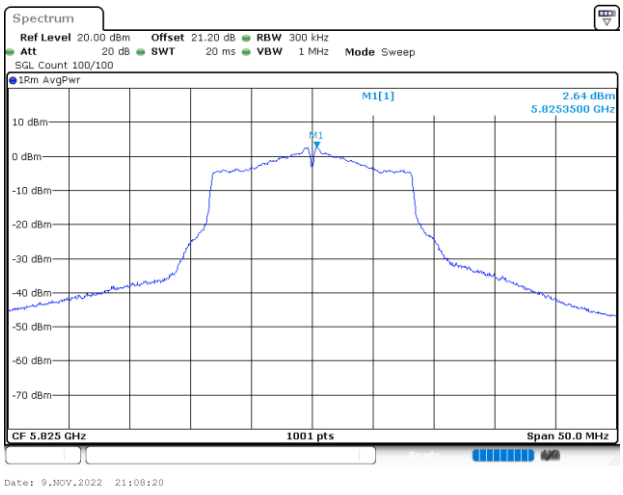


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

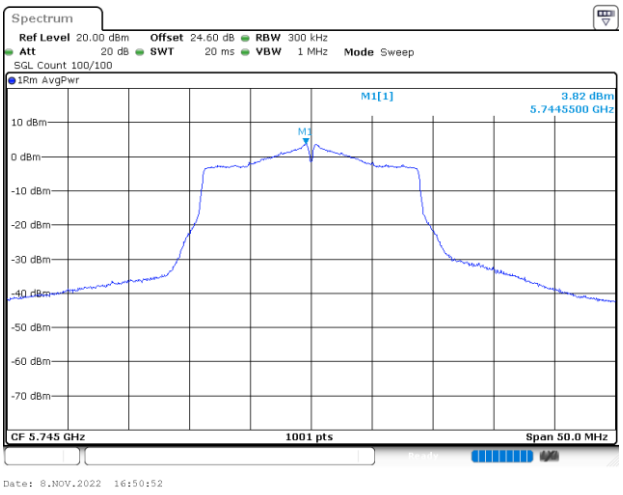
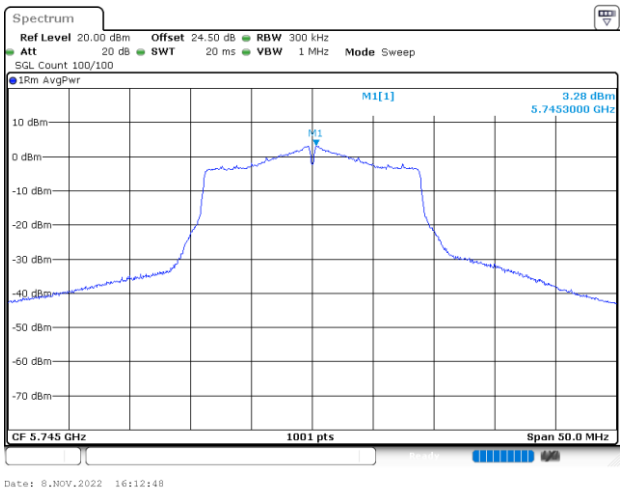
Maximum Power Density Plot Trace 1 (Ant 0)	Maximum Power Density Plot Trace 2 (Ant 2)
	

For the band 5.725–5.85 GHz:

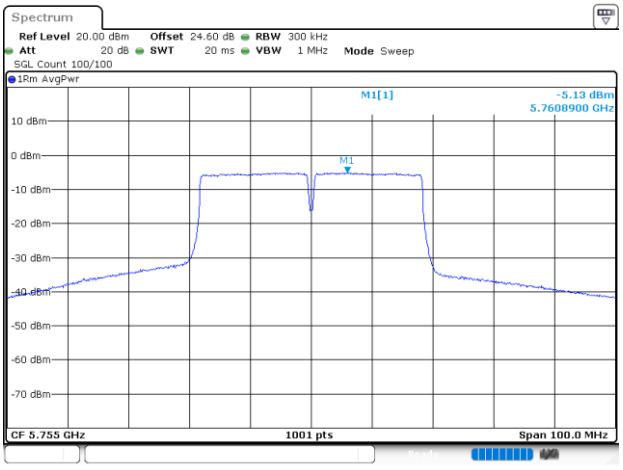
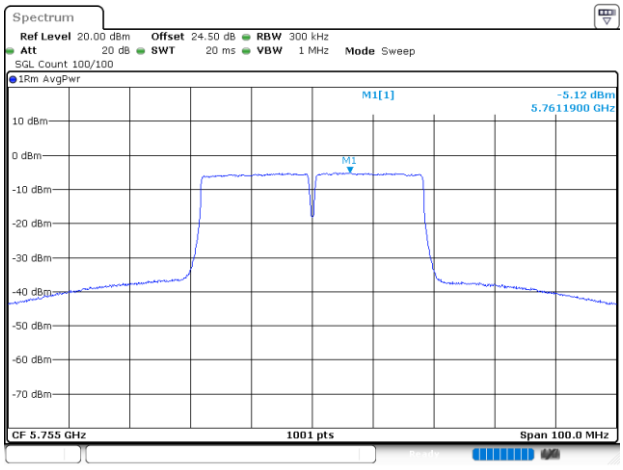
<802.11a>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 2**
	

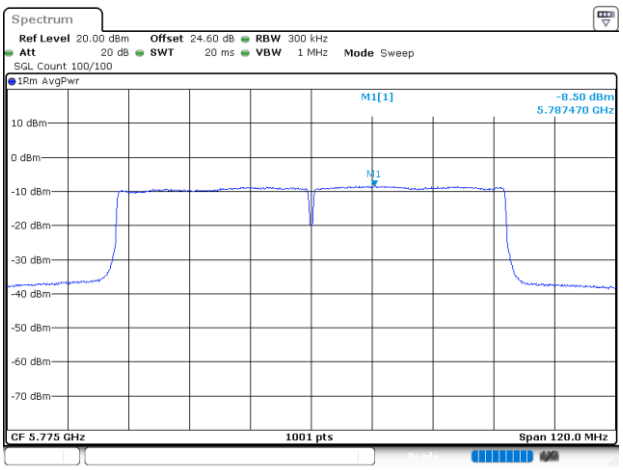
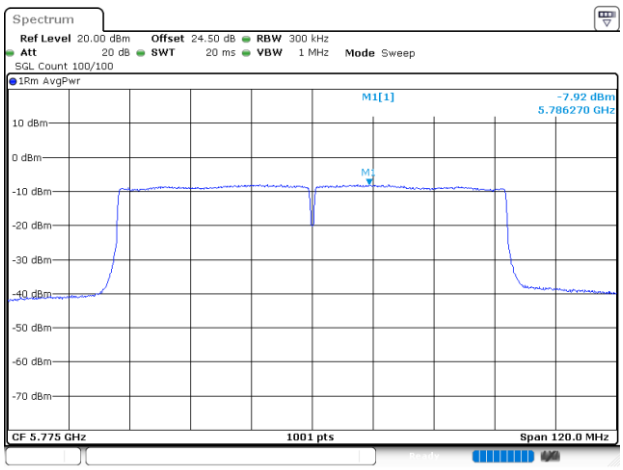
<802.11n HT20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 2**
	

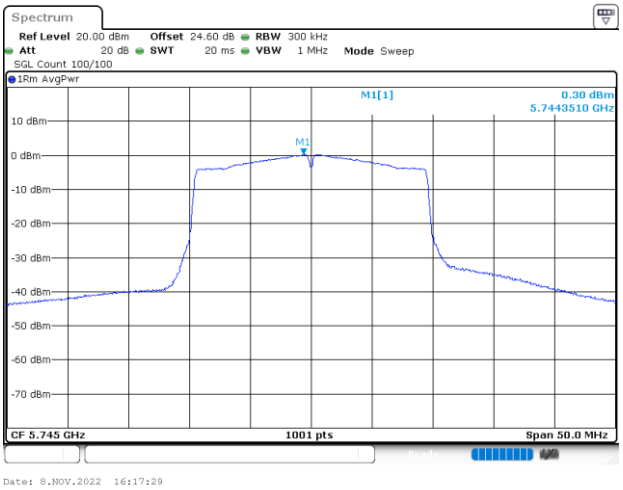
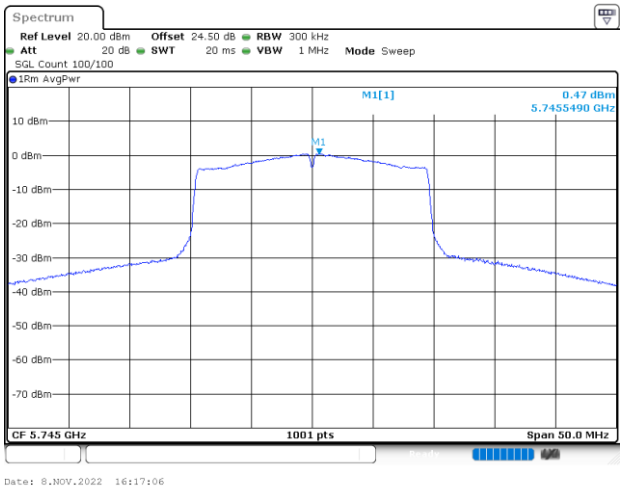
<802.11n HT40>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 2**
	

<802.11ac VHT80>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO Ant. 2**
	

<802.11ax HE20>

Maximum Power Density Plot (dBm/300kHz)	
MIMO Ant. 0	**MIMO 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.

For transmitters operating in the 5.725-5.85 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

(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

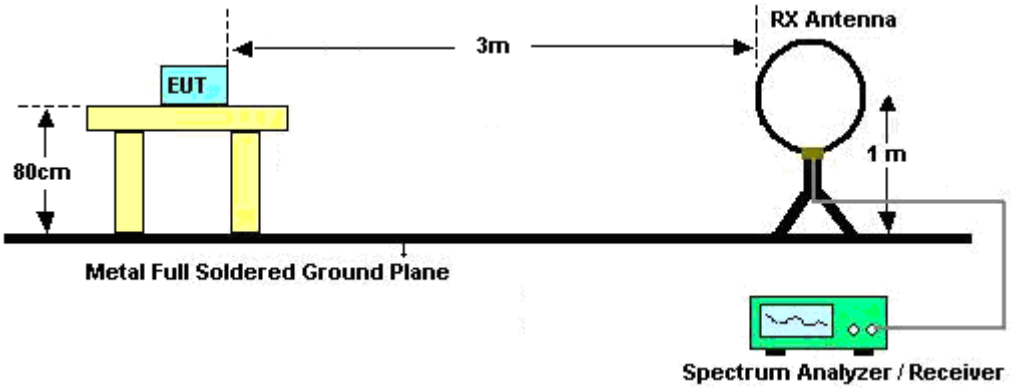
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

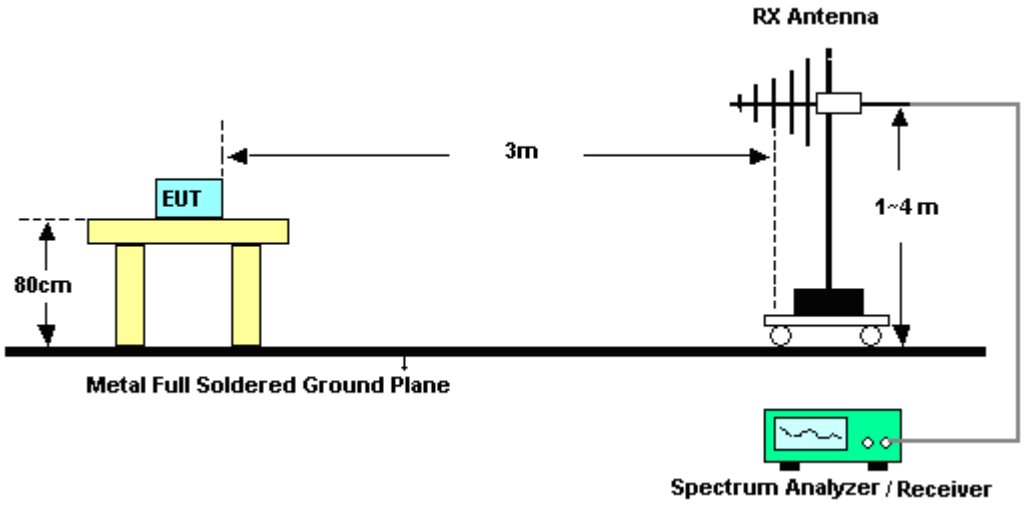
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

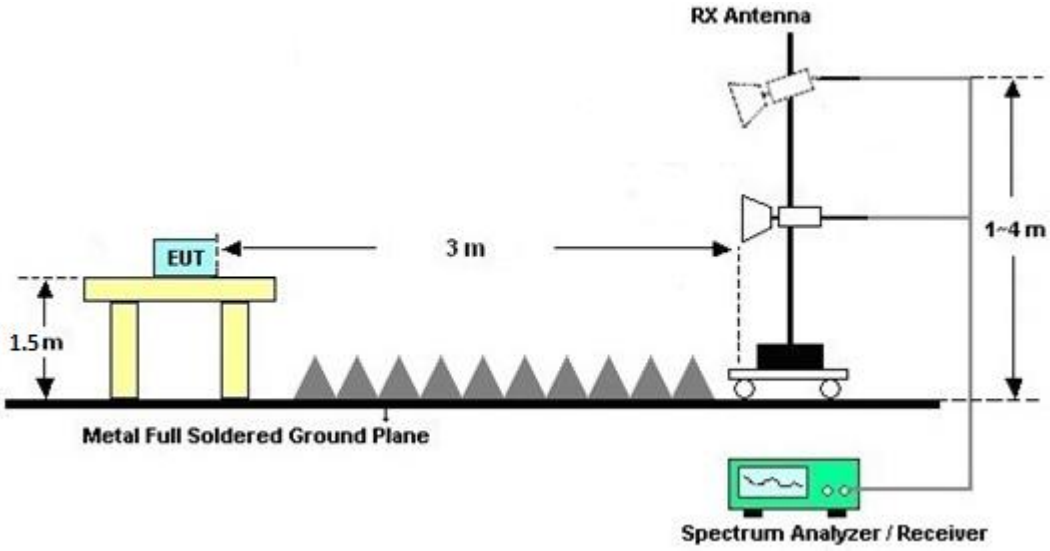
For radiated emissions below 30MHz



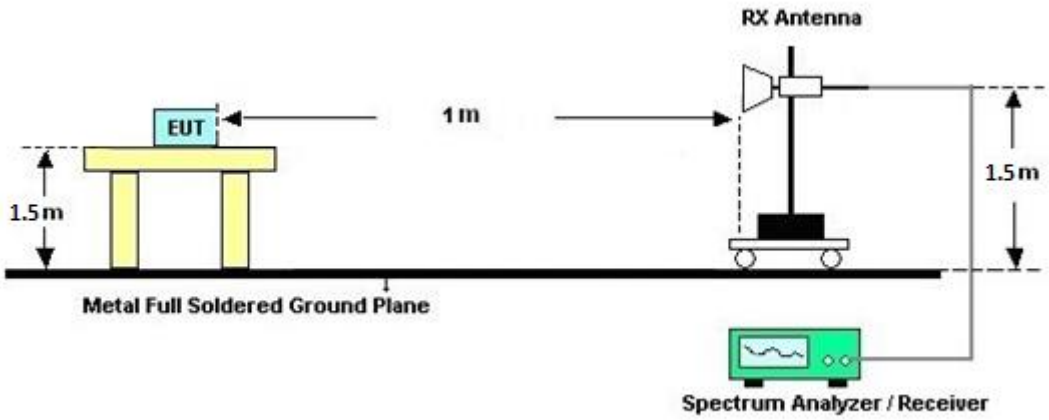
For radiated emissions from 30MHz to 1GHz



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.

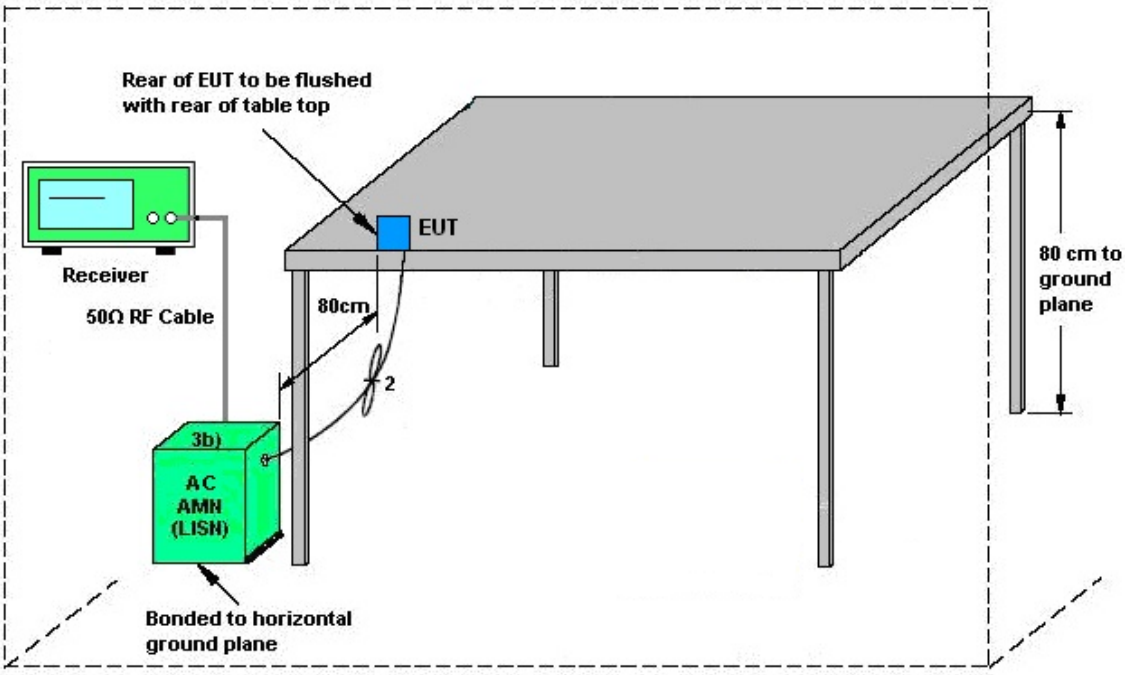
3.5.2 Measuring Instruments

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
LOOP Antenna	TESEQ	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 20, 2022	Nov. 02, 2022~ Nov. 11, 2022	Sep. 19, 2023	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 08, 2022	Nov. 02, 2022~ Nov. 11, 2022	Oct. 07, 2023	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1212	1GHz ~ 18GHz	Mar. 10, 2022	Nov. 02, 2022~ Nov. 11, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz~40GHz	Nov. 30, 2021	Nov. 02, 2022~ Nov. 11, 2022	Nov. 29, 2022	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 10, 2021	Nov. 02, 2022~ Nov. 11, 2022	Dec. 09, 2022	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 10, 2021	Nov. 02, 2022~ Nov. 08, 2022	Nov. 09, 2022	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 09, 2022	Nov. 09, 2022~ Nov. 11, 2022	Nov. 08, 2023	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Jun. 15, 2022	Nov. 02, 2022~ Nov. 11, 2022	Jun. 14, 2023	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 28, 2022	Nov. 02, 2022~ Nov. 11, 2022	Jun. 27, 2023	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 07, 2022	Nov. 02, 2022~ Nov. 11, 2022	Oct. 06, 2023	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	Nov. 02, 2022~ Nov. 11, 2022	Oct. 17, 2023	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Nov. 02, 2022~ Nov. 11, 2022	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Nov. 02, 2022~ Nov. 11, 2022	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Nov. 02, 2022~ Nov. 11, 2022	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Nov. 02, 2022~ Nov. 11, 2022	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz-40GHz	Mar. 10, 2022	Nov. 02, 2022~ Nov. 11, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz-30MHz	Mar. 10, 2022	Nov. 02, 2022~ Nov. 11, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	30MHz-18GHz	Mar. 10, 2022	Nov. 02, 2022~ Nov. 11, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	811852/4	30MHz-18GHz	Mar. 10, 2022	Nov. 02, 2022~ Nov. 11, 2022	Mar. 09, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 12, 2022	Nov. 02, 2022~ Nov. 11, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN3	3GHz High Pass Filter	Sep. 12, 2022	Nov. 02, 2022~ Nov. 11, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 12, 2022	Nov. 02, 2022~ Nov. 11, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 12, 2022	Nov. 02, 2022~ Nov. 11, 2022	Sep. 11, 2023	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Nov. 26, 2021	Nov. 02, 2022~ Nov. 11, 2022	Nov. 25, 2022	Radiation (03CH11-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MHz	Mar. 18, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Mar. 17, 2023	Radiation (03CH15-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	41912 & 05	30MHz~1GHz	Feb. 06, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Feb. 05, 2023	Radiation (03CH15-HY)
Amplifier	SONOMA	310N	363440	9kHz~1GHz	Dec. 27, 2021	Oct. 02, 2022~ Nov. 16, 2022~	Dec. 26, 2022	Radiation (03CH15-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz~18GHz	Jun. 23, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Jun. 22, 2023	Radiation (03CH15-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz~40GHz	Nov. 30, 2021	Oct. 02, 2022~ Nov. 16, 2022~	Nov. 29, 2022	Radiation (03CH15-HY)
Amplifier	EMEC	EM1G18G	060837	1GHz~18GHz	Sep. 01, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Aug. 31, 2023	Radiation (03CH15-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Dec. 16, 2021	Oct. 02, 2022~ Nov. 16, 2022~	Dec. 15, 2022	Radiation (03CH15-HY)
Preamplifier	EMEC	EM18G40G	060802	18-40GHz	Mar. 08, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Mar. 07, 2023	Radiation (03CH15-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	20MHz~8.4GHz	Oct. 18, 2022	Oct. 19, 2022~ Nov. 16, 2022~	Oct. 17, 2023	Radiation (03CH15-HY
Spectrum Analyzer	Keysight	N9010	MY54200485	10Hz~44GHz	May 07, 2022	Oct. 02, 2022~ Nov. 16, 2022~	May 06, 2023	Radiation (03CH15-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Oct. 02, 2022~ Nov. 16, 2022~	N/A	Radiation (03CH15-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Oct. 02, 2022~ Nov. 16, 2022~	N/A	Radiation (03CH15-HY)
Software	Audix	E3 6.2009-8-24(k5)	RK-000451	N/A	N/A	Oct. 02, 2022~ Nov. 16, 2022~	N/A	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY36980/4, MY9838/4PE, 508405/2E	30MHz~18G	Nov. 15, 2021	Oct. 02, 2022~ Nov. 12, 2022~	Nov. 14, 2022	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104, 102E	MY582185/4, MY9838/4PE, 519228/2	N/A	Jun. 21, 2022	Nov. 12, 2022~ Nov. 16, 2022~	Jun. 20, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	30MHz-40GHz	Jan. 04, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Jan. 03, 2023	Radiation (03CH15-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 10, 2022	Oct. 02, 2022~ Nov. 16, 2022~	Mar. 09, 2023	Radiation (03CH15-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	N/A	Mar. 21, 2022	Oct. 19, 2022~ Jan. 26, 2023	Mar. 20, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO10 (NO:248)	10MHz~6GHz	Dec. 29, 2021	Oct. 19, 2022~ Nov. 23, 2022	Dec. 28, 2022	Conducted (TH05-HY)
USB Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35)	10MHz~6GHz	Sep. 04, 2022	Oct. 19, 2022~ Jan. 26, 2023	Sep. 03, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Oct. 19, 2022~ Jan. 26, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 10, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Nov. 10, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Nov. 10, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Nov. 10, 2022	Nov. 15, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Nov. 10, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Nov. 10, 2022	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Nov. 10, 2022	Dec. 29, 2022	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.5 dB

<For 03CH11-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.4 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.8 dB

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

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

<For 03CH15-HY>

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	6.3 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.2 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.4 dB

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Mina Liu / Hank Hsu / Ching Chen	Temperature:	21~25	°C
Test Date:	2022/10/19-2023/01/26	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	36	5180	16.88	16.58	21.55	21.20	23.20		22.20			
11a	6Mbps	2	44	5220	16.83	16.58	21.75	21.35	23.20		22.20			
11a	6Mbps	2	48	5240	16.68	16.58	21.25	21.30	23.20		22.20			
HT20	MCS0	2	36	5180	18.88	17.63	31.70	21.15	23.46		22.46			
HT20	MCS0	2	44	5220	17.73	17.78	21.70	22.50	23.49		22.49			
HT20	MCS0	2	48	5240	17.78	17.68	21.65	21.40	23.48		22.48			
HT40	MCS0	2	38	5190	40.56	36.76	73.17	39.87	23.98		23.01			
HT40	MCS0	2	46	5230	37.06	36.86	46.98	40.32	23.98		23.01			
VHT80	MCS0	2	42	5210	76.12	75.88	82.72	82.88	23.98		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	36	5180	15.60	15.70	18.66	24.00		4.00			Pass
11a	6Mbps	2	44	5220	16.30	16.00	19.16	24.00		4.00			Pass
11a	6Mbps	2	48	5240	16.10	16.20	19.16	24.00		4.00			Pass
HT20	MCS0	2	36	5180	14.70	14.40	17.56	24.00		4.00			Pass
HT20	MCS0	2	44	5220	16.60	16.70	19.66	24.00		4.00			Pass
HT20	MCS0	2	48	5240	17.00	16.60	19.81	24.00		4.00			Pass
HT40	MCS0	2	38	5190	11.80	11.50	14.66	24.00		4.00			Pass
HT40	MCS0	2	46	5230	15.20	15.30	18.26	24.00		4.00			Pass
VHT20	MCS0	2	36	5180	14.60	14.30	17.46	24.00		4.00			Pass
VHT20	MCS0	2	44	5220	16.00	16.00	19.01	24.00		4.00			Pass
VHT20	MCS0	2	48	5240	16.10	16.10	19.11	24.00		4.00			Pass
VHT40	MCS0	2	38	5190	11.70	11.40	14.56	24.00		4.00			Pass
VHT40	MCS0	2	46	5230	15.10	15.20	18.16	24.00		4.00			Pass
VHT80	MCS0	2	42	5210	11.50	11.90	14.71	24.00		4.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	36	5180	0.46	0.46			9.61	10.24		6.76			Pass
11a	6Mbps	2	44	5220	0.46	0.46			9.87	10.24		6.76			Pass
11a	6Mbps	2	48	5240	0.46	0.46			9.95	10.24		6.76			Pass
HT20	MCS0	2	36	5180	0.50	0.56			8.36	10.24		6.76			Pass
HT20	MCS0	2	44	5220	0.50	0.56			9.84	10.24		6.76			Pass
HT20	MCS0	2	48	5240	0.50	0.56			9.96	10.24		6.76			Pass
HT40	MCS0	2	38	5190	0.20	0.22			-0.74	10.24		6.76			Pass
HT40	MCS0	2	46	5230	0.20	0.22			3.21	10.24		6.76			Pass
VHT80	MCS0	2	42	5210	0.46	0.46			-3.52	10.24		6.76			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	52	5260	16.73	16.48	21.30	21.10	23.17		29.17		23.98		
11a	6Mbps	2	60	5300	16.78	16.58	21.40	21.35	23.20		29.20		23.98		
11a	6Mbps	2	64	5320	16.68	16.48	21.30	21.15	23.17		29.17		23.98		
HT20	MCS0	2	52	5260	17.88	17.68	38.55	21.30	23.48		29.48		23.98		
HT20	MCS0	2	60	5300	17.78	17.68	21.50	21.60	23.48		29.48		23.98		
HT20	MCS0	2	64	5320	17.78	17.63	21.50	21.30	23.46		29.46		23.98		
HT40	MCS0	2	54	5270	45.06	36.76	36.37	39.87	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.96	36.86	40.77	44.10	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.88	75.88	82.56	85.28	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	52	5260	15.80	15.60	18.71	23.98		4.00		30	Pass
11a	6Mbps	2	60	5300	16.90	17.00	19.96	23.98		4.00		30	Pass
11a	6Mbps	2	64	5320	15.80	16.10	18.96	23.98		4.00		30	Pass
HT20	MCS0	2	52	5260	16.00	15.90	18.96	23.98		4.00		30	Pass
HT20	MCS0	2	60	5300	16.60	16.70	19.66	23.98		4.00		30	Pass
HT20	MCS0	2	64	5320	15.60	15.80	18.71	23.98		4.00		30	Pass
HT40	MCS0	2	54	5270	15.50	15.30	18.41	23.98		4.00		30	Pass
HT40	MCS0	2	62	5310	13.10	12.90	16.01	23.98		4.00		30	Pass
VHT20	MCS0	2	52	5260	15.90	15.80	18.86	23.98		4.00		30	Pass
VHT20	MCS0	2	60	5300	16.10	16.20	19.16	23.98		4.00		30	Pass
VHT20	MCS0	2	64	5320	15.50	15.70	18.61	23.98		4.00		30	Pass
VHT40	MCS0	2	54	5270	15.40	15.20	18.31	23.98		4.00		30	Pass
VHT40	MCS0	2	62	5310	13.00	12.80	15.91	23.98		4.00		30	Pass
VHT80	MCS0	2	58	5290	12.00	12.20	15.11	23.98		4.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	52	5260	0.46	0.46			9.80	10.24		6.76			Pass
11a	6Mbps	2	60	5300	0.46	0.46			9.69	10.24		6.76			Pass
11a	6Mbps	2	64	5320	0.46	0.46			10.10	10.24		6.76			Pass
HT20	MCS0	2	52	5260	0.50	0.56			9.76	10.24		6.76			Pass
HT20	MCS0	2	60	5300	0.50	0.56			9.76	10.24		6.76			Pass
HT20	MCS0	2	64	5320	0.50	0.56			9.08	10.24		6.76			Pass
HT40	MCS0	2	54	5270	0.20	0.22			3.58	10.24		6.76			Pass
HT40	MCS0	2	62	5310	0.20	0.22			0.73	10.24		6.76			Pass
VHT80	MCS0	2	58	5290	0.46	0.46			-3.11	10.24		6.76			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	NTX	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 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2
11a	6Mbps	2	100	5500	16.68	16.48	21.30	20.85	23.17		29.17		23.98		----	----
11a	6Mbps	2	116	5580	16.73	16.53	21.35	21.15	23.18		29.18		23.98		----	----
11a	6Mbps	2	140	5700	16.68	16.53	21.30	21.05	23.18		29.18		23.98		----	----
HT20	MCS0	2	100	5500	17.78	17.68	21.65	21.15	23.48		29.48		23.98		----	----
HT20	MCS0	2	116	5580	17.83	17.68	21.65	21.75	23.48		29.48		23.98		----	----
HT20	MCS0	2	140	5700	17.78	17.63	21.55	21.10	23.46		29.46		23.98		----	----
HT40	MCS0	2	102	5510	36.96	36.76	42.03	39.87	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.86	36.76	40.50	39.96	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.96	36.86	40.05	39.87	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.88	75.64	82.56	82.40	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	76.00	75.64	83.52	81.92	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	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 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2
11a	6Mbps	2	144	5720	13.39	13.29	15.65	15.65	22.24		28.24		22.95		2.65	2.65
HT20	MCS0	2	144	5720	13.94	13.89	15.80	15.65	22.43		28.43		22.95		2.65	2.6
HT40	MCS0	2	142	5710	33.38	33.38	34.89	35.07	23.98		30.00		23.98		3.27	3.27
VHT80	MCS0	2	138	5690	72.88	72.88	76.12	76.44	23.98		30.00		23.98		3.4	3.4

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	100	5500	15.70	15.00	18.37	23.98		4.00		30	Pass
11a	6Mbps	2	116	5580	16.10	15.80	18.96	23.98		4.00		30	Pass
11a	6Mbps	2	140	5700	16.30	17.00	19.67	23.98		4.00		30	Pass
HT20	MCS0	2	100	5500	16.20	16.00	19.11	23.98		4.00		30	Pass
HT20	MCS0	2	116	5580	16.30	16.10	19.21	23.98		4.00		30	Pass
HT20	MCS0	2	140	5700	14.80	15.30	18.07	23.98		4.00		30	Pass
HT40	MCS0	2	102	5510	13.40	13.10	16.26	23.98		4.00		30	Pass
HT40	MCS0	2	110	5550	15.30	15.50	18.41	23.98		4.00		30	Pass
HT40	MCS0	2	134	5670	15.20	15.30	18.26	23.98		4.00		30	Pass
VHT20	MCS0	2	100	5500	16.00	15.70	18.86	23.98		4.00		30	Pass
VHT20	MCS0	2	116	5580	15.90	15.90	18.91	23.98		4.00		30	Pass
VHT20	MCS0	2	140	5700	14.70	15.20	17.97	23.98		4.00		30	Pass
VHT40	MCS0	2	102	5510	13.30	13.00	16.16	23.98		4.00		30	Pass
VHT40	MCS0	2	110	5550	15.20	15.40	18.31	23.98		4.00		30	Pass
VHT40	MCS0	2	134	5670	15.10	15.20	18.16	23.98		4.00		30	Pass
VHT80	MCS0	2	106	5530	12.50	12.50	15.51	23.98		4.00		30	Pass
VHT80	MCS0	2	122	5610	15.00	15.00	18.01	23.98		4.00		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	144	5720	15.90	16.30	19.11	22.95		4.00		30	Pass
HT20	MCS0	2	144	5720	15.40	16.20	18.83	22.95		4.00		30	Pass
HT40	MCS0	2	142	5710	15.00	15.30	18.16	23.98		4.00		30	Pass
VHT20	MCS0	2	144	5720	15.80	15.70	18.76	23.98		4.00		30	Pass
VHT40	MCS0	2	142	5710	14.90	15.20	18.06	23.98		4.00		30	Pass
VHT80	MCS0	2	138	5690	15.20	15.50	18.36	23.98		4.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	100	5500	0.46	0.46			9.16	10.24		6.76			Pass
11a	6Mbps	2	116	5580	0.46	0.46			9.81	10.24		6.76			Pass
11a	6Mbps	2	140	5700	0.46	0.46			9.86	10.24		6.76			Pass
HT20	MCS0	2	100	5500	0.50	0.56			10.00	10.24		6.76			Pass
HT20	MCS0	2	116	5580	0.50	0.56			9.99	10.24		6.76			Pass
HT20	MCS0	2	140	5700	0.50	0.56			7.75	10.24		6.76			Pass
HT40	MCS0	2	102	5510	0.20	0.22			0.46	10.24		6.76			Pass
HT40	MCS0	2	110	5550	0.20	0.22			2.84	10.24		6.76			Pass
HT40	MCS0	2	134	5670	0.20	0.22			3.33	10.24		6.76			Pass
VHT80	MCS0	2	106	5530	0.46	0.46			-2.47	10.24		6.76			Pass
VHT80	MCS0	2	122	5610	0.46	0.46			-0.05	10.24		6.76			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	144	5720	0.46	0.46			9.42	10.24		6.76			Pass
HT20	MCS0	2	144	5720	0.50	0.56			9.10	10.24		6.76			Pass
HT40	MCS0	2	142	5710	0.20	0.22			2.84	10.24		6.76			Pass
VHT80	MCS0	2	138	5690	0.46	0.46			0.72	10.24		6.76			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	36	5180	Full	14.60	14.40	17.51	24.00		4.00			Pass
HE20	MCS0	2	36	5180	26/0	6.90	6.70	9.81	24.00		4.00			Pass
HE20	MCS0	2	36	5180	52/37	9.30	9.00	12.16	24.00		4.00			Pass
HE20	MCS0	2	36	5180	106/53	12.70	12.70	15.71	24.00		4.00			Pass
HE20	MCS0	2	44	5220	Full	16.00	16.00	19.01	24.00		4.00			Pass
HE20	MCS0	2	44	5220	26/4	9.10	8.80	11.96	24.00		4.00			Pass
HE20	MCS0	2	44	5220	52/38	10.90	11.10	14.01	24.00		4.00			Pass
HE20	MCS0	2	44	5220	106/53	14.10	13.90	17.01	24.00		4.00			Pass
HE20	MCS0	2	48	5240	Full	16.10	16.10	19.11	24.00		4.00			Pass
HE20	MCS0	2	48	5240	26/8	8.10	8.20	11.16	24.00		4.00			Pass
HE20	MCS0	2	48	5240	52/40	10.20	10.70	13.47	24.00		4.00			Pass
HE20	MCS0	2	48	5240	106/54	13.70	13.70	16.71	24.00		4.00			Pass
HE40	MCS0	2	38	5190	Full	11.70	11.40	14.56	24.00		4.00			Pass
HE40	MCS0	2	46	5230	Full	14.40	14.50	17.46	24.00		4.00			Pass
HE80	MCS0	2	42	5210	Full	11.40	11.80	14.61	24.00		4.00			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	36	5180	Full	0.15	0.14			5.96	10.24		6.76			Pass
HE20	MCS0	2	36	5180	26/0	1.14	1.14			5.75	10.24		6.76			Pass
HE20	MCS0	2	36	5180	52/37	2.19	2.19			5.22	10.24		6.76			Pass
HE20	MCS0	2	36	5180	106/53	2.45	2.45			5.65	10.24		6.76			Pass
HE20	MCS0	2	44	5220	Full	0.15	0.14			6.68	10.24		6.76			Pass
HE20	MCS0	2	44	5220	26/4	1.14	1.14			6.41	10.24		6.76			Pass
HE20	MCS0	2	44	5220	52/38	2.19	2.19			6.65	10.24		6.76			Pass
HE20	MCS0	2	44	5220	106/53	2.45	2.45			6.25	10.24		6.76			Pass
HE20	MCS0	2	48	5240	Full	0.15	0.14			6.70	10.24		6.76			Pass
HE20	MCS0	2	48	5240	26/8	1.14	1.14			6.61	10.24		6.76			Pass
HE20	MCS0	2	48	5240	52/40	2.19	2.19			6.60	10.24		6.76			Pass
HE20	MCS0	2	48	5240	106/54	2.45	2.45			6.29	10.24		6.76			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	52	5260	Full	15.90	15.80	18.86	23.98		4.00		30	Pass
HE20	MCS0	2	52	5260	26/0	8.10	7.90	11.01	23.98		4.00		30	Pass
HE20	MCS0	2	52	5260	52/37	10.60	10.50	13.56	23.98		4.00		30	Pass
HE20	MCS0	2	52	5260	106/53	13.70	13.60	16.66	23.98		4.00		30	Pass
HE20	MCS0	2	60	5300	Full	16.10	16.20	19.16	23.98		4.00		30	Pass
HE20	MCS0	2	60	5300	26/4	8.80	8.70	11.76	23.98		4.00		30	Pass
HE20	MCS0	2	60	5300	52/38	11.10	10.90	14.01	23.98		4.00		30	Pass
HE20	MCS0	2	60	5300	106/53	14.10	13.80	16.96	23.98		4.00		30	Pass
HE20	MCS0	2	64	5320	Full	15.50	15.70	18.61	23.98		4.00		30	Pass
HE20	MCS0	2	64	5320	26/8	7.60	8.30	10.97	23.98		4.00		30	Pass
HE20	MCS0	2	64	5320	52/40	8.90	9.40	12.17	23.98		4.00		30	Pass
HE20	MCS0	2	64	5320	106/54	13.20	13.40	16.31	23.98		4.00		30	Pass
HE40	MCS0	2	54	5270	Full	14.40	14.50	17.46	23.98		4.00		30	Pass
HE40	MCS0	2	62	5310	Full	13.00	12.80	15.91	23.98		4.00		30	Pass
HE80	MCS0	2	58	5290	Full	11.90	12.10	15.01	23.98		4.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	52	5260	Full	0.15	0.14			6.77	10.24		6.76			Pass
HE20	MCS0	2	52	5260	26/0	1.14	1.14			6.23	10.24		6.76			Pass
HE20	MCS0	2	52	5260	52/37	2.19	2.19			6.56	10.24		6.76			Pass
HE20	MCS0	2	52	5260	106/53	2.45	2.45			6.52	10.24		6.76			Pass
HE20	MCS0	2	60	5300	Full	0.15	0.14			6.96	10.24		6.76			Pass
HE20	MCS0	2	60	5300	26/4	1.14	1.14			6.60	10.24		6.76			Pass
HE20	MCS0	2	60	5300	52/38	2.19	2.19			6.65	10.24		6.76			Pass
HE20	MCS0	2	60	5300	106/53	2.45	2.45			6.49	10.24		6.76			Pass
HE20	MCS0	2	64	5320	Full	0.15	0.14			6.70	10.24		6.76			Pass
HE20	MCS0	2	64	5320	26/8	1.14	1.14			6.66	10.24		6.76			Pass
HE20	MCS0	2	64	5320	52/40	2.19	2.19			5.29	10.24		6.76			Pass
HE20	MCS0	2	64	5320	106/54	2.45	2.45			6.58	10.24		6.76			Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	100	5500	Full	14.40	14.40	17.41	23.98		4.00		30	Pass
HE20	MCS0	2	100	5500	26/0	6.20	5.60	8.92	23.98		4.00		30	Pass
HE20	MCS0	2	100	5500	52/37	9.40	8.60	12.03	23.98		4.00		30	Pass
HE20	MCS0	2	100	5500	106/53	11.10	10.90	14.01	23.98		4.00		30	Pass
HE20	MCS0	2	116	5580	Full	15.90	15.90	18.91	23.98		4.00		30	Pass
HE20	MCS0	2	116	5580	26/4	8.90	8.50	11.71	23.98		4.00		30	Pass
HE20	MCS0	2	116	5580	52/38	10.00	10.10	13.06	23.98		4.00		30	Pass
HE20	MCS0	2	116	5580	106/53	13.40	13.60	16.51	23.98		4.00		30	Pass
HE20	MCS0	2	140	5700	Full	14.70	15.20	17.97	23.98		4.00		30	Pass
HE20	MCS0	2	140	5700	26/8	6.00	6.40	9.21	23.98		4.00		30	Pass
HE20	MCS0	2	140	5700	52/40	8.70	9.60	12.18	23.98		4.00		30	Pass
HE20	MCS0	2	140	5700	106/54	11.70	12.80	15.30	23.98		4.00		30	Pass
HE40	MCS0	2	102	5510	Full	13.30	13.00	16.16	23.98		4.00		30	Pass
HE40	MCS0	2	110	5550	Full	14.30	14.50	17.41	23.98		4.00		30	Pass
HE40	MCS0	2	134	5670	Full	14.40	14.50	17.46	23.98		4.00		30	Pass
HE80	MCS0	2	106	5530	Full	12.40	12.40	15.41	23.98		4.00		30	Pass
HE80	MCS0	2	122	5610	Full	14.10	14.10	17.11	23.98		4.00		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	144	5720	Full	15.80	15.70	18.76	23.98		4.00		30	Pass
HE20	MCS0	2	144	5720	26/8	6.80	7.70	10.28	23.98		4.00		30	Pass
HE20	MCS0	2	144	5720	52/40	9.90	10.20	13.06	23.98		4.00		30	Pass
HE20	MCS0	2	144	5720	106/54	13.10	14.10	16.64	23.98		4.00		30	Pass
HE40	MCS0	2	142	5710	Full	14.40	14.40	17.41	23.98		4.00		30	Pass
HE80	MCS0	2	138	5690	Full	14.20	14.10	17.16	23.98		4.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	100	5500	Full	0.15	0.14			5.07	10.24		6.76			Pass
HE20	MCS0	2	100	5500	26/0	1.14	1.14			4.70	10.24		6.76			Pass
HE20	MCS0	2	100	5500	52/37	2.19	2.19			5.05	10.24		6.76			Pass
HE20	MCS0	2	100	5500	106/53	2.45	2.45			4.74	10.24		6.76			Pass
HE20	MCS0	2	116	5580	Full	0.15	0.14			6.74	10.24		6.76			Pass
HE20	MCS0	2	116	5580	26/4	1.14	1.14			6.70	10.24		6.76			Pass
HE20	MCS0	2	116	5580	52/38	2.19	2.19			6.28	10.24		6.76			Pass
HE20	MCS0	2	116	5580	106/53	2.45	2.45			6.56	10.24		6.76			Pass
HE20	MCS0	2	140	5700	Full	0.15	0.14			5.59	10.24		6.76			Pass
HE20	MCS0	2	140	5700	26/8	1.14	1.14			5.56	10.24		6.76			Pass
HE20	MCS0	2	140	5700	52/40	2.19	2.19			5.41	10.24		6.76			Pass
HE20	MCS0	2	140	5700	106/54	2.45	2.45			5.00	10.24		6.76			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2		
HE20	MCS0	2	144	5720	Full	0.15	0.14			6.51	10.24		6.76			Pass
HE40	MCS0	2	144	5720	26/8	1.14	1.14			6.24	10.24		6.76			Pass
HE40	MCS0	2	144	5720	52/40	2.19	2.19			5.87	10.24		6.76			Pass
HE40	MCS0	2	144	5720	106/54	2.45	2.45			6.19	10.24		6.76			Pass

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

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2		
11a	6Mbps	2	149	5745	16.78	16.58	21.55	21.40	15.20	12.75	0.5	Pass
11a	6Mbps	2	157	5785	16.78	16.58	21.55	21.35	14.00	12.70	0.5	Pass
11a	6Mbps	2	165	5825	16.63	16.53	21.25	21.45	15.25	12.75	0.5	Pass
HT20	MCS0	2	149	5745	19.43	17.78	33.95	23.35	15.30	15.25	0.5	Pass
HT20	MCS0	2	157	5785	17.88	17.78	22.45	23.10	14.00	15.20	0.5	Pass
HT20	MCS0	2	165	5825	19.03	17.83	34.85	24.35	15.25	15.20	0.5	Pass
HT40	MCS0	2	151	5755	37.16	36.86	45.90	40.14	36.54	36.54	0.5	Pass
HT40	MCS0	2	159	5795	36.96	36.86	44.55	40.05	36.54	36.54	0.5	Pass
VHT80	MCS0	2	155	5775	76.12	76.00	98.56	88.00	76.32	76.64	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	149	5745	17.50	17.30	20.41	30.00		4.00		Pass
11a	6Mbps	2	157	5785	17.00	17.30	20.16	30.00		4.00		Pass
11a	6Mbps	2	165	5825	17.30	17.50	20.41	30.00		4.00		Pass
HT20	MCS0	2	149	5745	17.00	17.40	20.21	30.00		4.00		Pass
HT20	MCS0	2	157	5785	17.00	17.40	20.21	30.00		4.00		Pass
HT20	MCS0	2	165	5825	17.10	17.30	20.21	30.00		4.00		Pass
HT40	MCS0	2	151	5755	15.10	15.10	18.11	30.00		4.00		Pass
HT40	MCS0	2	159	5795	15.20	15.10	18.16	30.00		4.00		Pass
VHT20	MCS0	2	149	5745	16.20	16.40	19.31	30.00		4.00		Pass
VHT20	MCS0	2	157	5785	16.40	16.50	19.46	30.00		4.00		Pass
VHT20	MCS0	2	165	5825	16.20	16.40	19.31	30.00		4.00		Pass
VHT40	MCS0	2	151	5755	15.00	15.00	18.01	30.00		4.00		Pass
VHT40	MCS0	2	159	5795	15.10	15.00	18.06	30.00		4.00		Pass
VHT80	MCS0	2	155	5775	15.10	15.40	18.26	30.00		4.00		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
11a	6Mbps	2	149	5745	0.46	0.46	2.22		4.78	4.90	7.91	29.24		6.76		Pass
11a	6Mbps	2	157	5785	0.46	0.46	2.22		4.73	5.00	8.01	29.24		6.76		Pass
11a	6Mbps	2	165	5825	0.46	0.46	2.22		4.91	5.32	8.33	29.24		6.76		Pass
HT20	MCS0	2	149	5745	0.50	0.56	2.22		6.54	6.05	9.55	29.24		6.76		Pass
HT20	MCS0	2	157	5785	0.50	0.56	2.22		5.76	6.09	9.10	29.24		6.76		Pass
HT20	MCS0	2	165	5825	0.50	0.56	2.22		6.25	6.20	9.26	29.24		6.76		Pass
HT40	MCS0	2	151	5755	0.20	0.22	2.22		-2.71	-2.68	0.33	29.24		6.76		Pass
HT40	MCS0	2	159	5795	0.20	0.22	2.22		-3.05	-2.69	0.32	29.24		6.76		Pass
VHT80	MCS0	2	155	5775	0.46	0.46	2.22		-5.82	-5.24	-2.23	29.24		6.76		Pass

Note: PSD Sum = Max PSD(Ant. 0, Ant. 2) + 10 log (n)

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
HE20	MCS0	2	149	5745	Full	16.10	16.30	19.21	30.00		4.00		Pass
HE20	MCS0	2	149	5745	26/0	8.80	8.30	11.57	30.00		4.00		Pass
HE20	MCS0	2	149	5745	52/37	12.60	12.40	15.51	30.00		4.00		Pass
HE20	MCS0	2	149	5745	106/53	15.10	15.10	18.11	30.00		4.00		Pass
HE20	MCS0	2	157	5785	Full	16.40	16.40	19.41	30.00		4.00		Pass
HE20	MCS0	2	157	5785	26/4	8.00	7.90	10.96	30.00		4.00		Pass
HE20	MCS0	2	157	5785	52/38	11.70	11.30	14.51	30.00		4.00		Pass
HE20	MCS0	2	157	5785	106/53	14.30	14.30	17.31	30.00		4.00		Pass
HE20	MCS0	2	165	5825	Full	16.10	16.30	19.21	30.00		4.00		Pass
HE20	MCS0	2	165	5825	26/8	8.60	9.10	11.87	30.00		4.00		Pass
HE20	MCS0	2	165	5825	52/40	12.70	12.50	15.61	30.00		4.00		Pass
HE20	MCS0	2	165	5825	106/54	15.00	15.30	18.16	30.00		4.00		Pass
HE40	MCS0	2	151	5755	Full	14.30	14.20	17.26	30.00		4.00		Pass
HE40	MCS0	2	159	5795	Full	14.10	14.20	17.16	30.00		4.00		Pass
HE80	MCS0	2	155	5775	Full	14.10	14.10	17.11	30.00		4.00		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		10log (500kHz /RBW) Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 0	Ant 2	Ant 0	Ant 2	Ant 0	Ant 2	SUM	Ant 0	Ant 2	Ant 0	Ant 2	
HE20	MCS0	2	149	5745	Full	0.15	0.14	2.22		2.66	2.83	5.84	29.24		6.76		Pass
HE20	MCS0	2	149	5745	26/0	1.44	1.44	2.22		2.53	1.81	5.54	29.24		6.76		Pass
HE20	MCS0	2	149	5745	52/37	2.19	2.19	2.22		2.78	2.24	5.79	29.24		6.76		Pass
HE20	MCS0	2	149	5745	106/53	2.45	2.45	2.22		2.63	2.65	5.66	29.24		6.76		Pass
HE20	MCS0	2	157	5785	Full	0.15	0.14	2.22		2.27	2.49	5.50	29.24		6.76		Pass
HE20	MCS0	2	157	5785	26/4	1.44	1.44	2.22		2.02	1.90	5.03	29.24		6.76		Pass
HE20	MCS0	2	157	5785	52/38	2.19	2.19	2.22		2.26	2.26	5.27	29.24		6.76		Pass
HE20	MCS0	2	157	5785	106/53	2.45	2.45	2.22		2.06	2.38	5.39	29.24		6.76		Pass
HE20	MCS0	2	165	5825	Full	0.15	0.14	2.22		2.38	2.75	5.76	29.24		6.76		Pass
HE20	MCS0	2	165	5825	26/8	1.44	1.44	2.22		2.22	2.58	5.59	29.24		6.76		Pass
HE20	MCS0	2	165	5825	52/40	2.19	2.19	2.22		2.73	2.52	5.74	29.24		6.76		Pass
HE20	MCS0	2	165	5825	106/54	2.45	2.45	2.22		2.32	2.65	5.66	29.24		6.76		Pass

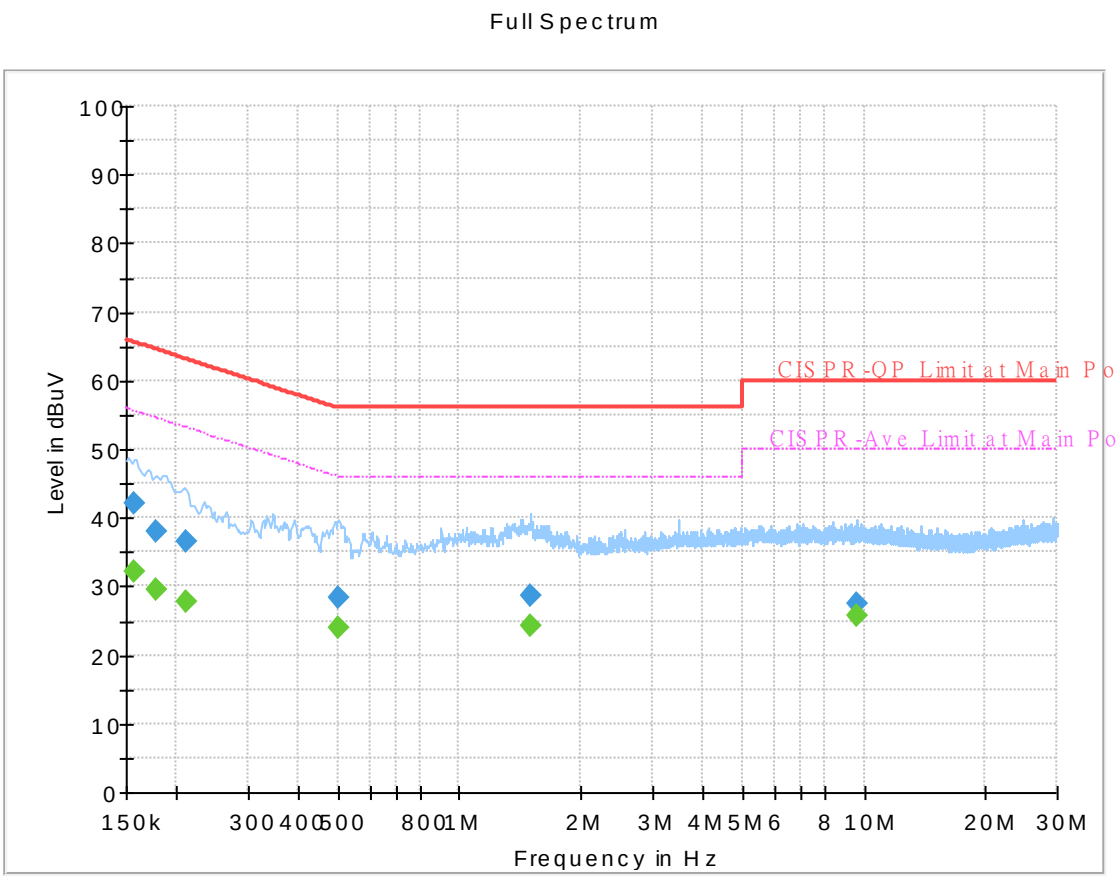
Note: PSD Sum = Max PSD(Ant. 0, Ant. 2) + 10 log (n)

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	1O0605-09
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line



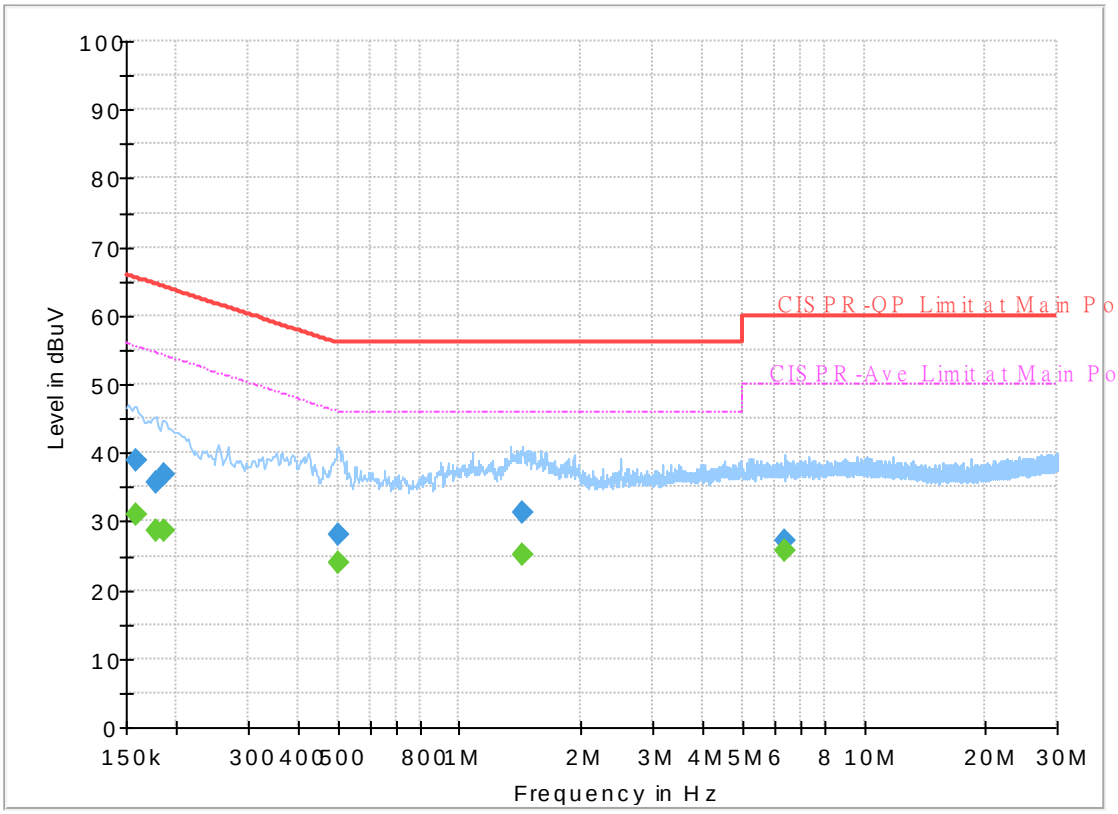
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	32.27	55.63	23.36	L1	OFF	19.8
0.156750	42.18	---	65.63	23.45	L1	OFF	19.8
0.177000	---	29.55	54.63	25.08	L1	OFF	19.8
0.177000	38.16	---	64.63	26.47	L1	OFF	19.8
0.210750	---	27.78	53.18	25.40	L1	OFF	19.8
0.210750	36.44	---	63.18	26.74	L1	OFF	19.8
0.503250	---	24.04	46.00	21.96	L1	OFF	19.8
0.503250	28.31	---	56.00	27.69	L1	OFF	19.8
1.497750	---	24.20	46.00	21.80	L1	OFF	19.9
1.497750	28.53	---	56.00	27.47	L1	OFF	19.9
9.624750	---	25.86	50.00	24.14	L1	OFF	20.2
9.624750	27.50	---	60.00	32.50	L1	OFF	20.2

EUT Information

Report NO :	1O0605-09
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	30.93	55.52	24.59	N	OFF	19.8
0.159000	38.92	---	65.52	26.60	N	OFF	19.8
0.177000	---	28.75	54.63	25.88	N	OFF	19.8
0.177000	35.64	---	64.63	28.99	N	OFF	19.8
0.186000	---	28.56	54.21	25.65	N	OFF	19.8
0.186000	36.92	---	64.21	27.29	N	OFF	19.8
0.503250	---	23.89	46.00	22.11	N	OFF	19.8
0.503250	27.96	---	56.00	28.04	N	OFF	19.8
1.432500	---	25.01	46.00	20.99	N	OFF	19.9
1.432500	31.17	---	56.00	24.83	N	OFF	19.9
6.384750	---	25.79	50.00	24.21	N	OFF	20.1
6.384750	27.28	---	60.00	32.72	N	OFF	20.1

Appendix C. Radiated Spurious Emission

Test Engineer :	Eric Xiao, Bigshow Wang and Quentin Liu	Temperature :	21.1~23.1°C
		Relative Humidity :	49~58%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.91	69.88	-4.12	74	64.31	33.2	9.1	36.73	164	116	P	H
		5149.91	50.76	-3.24	54	45.19	33.2	9.1	36.73	164	116	A	H
	*	5180	115.35	-	-	109.78	33.14	9.16	36.73	164	116	P	H
	*	5180	109.16	-	-	103.59	33.14	9.16	36.73	164	116	A	H
													H
													H
		5148.77	63.83	-10.17	74	58.26	33.2	9.1	36.73	164	214	P	V
		5148.96	46.73	-7.27	54	41.16	33.2	9.1	36.73	164	214	A	V
	*	5180	110.42	-	-	104.85	33.14	9.16	36.73	164	214	P	V
	*	5180	103.93	-	-	98.36	33.14	9.16	36.73	164	214	A	V
													V
													V
802.11a CH 44 5220MHz		5145.86	55.93	-18.07	74	50.37	33.2	9.09	36.73	221	167	P	H
		5150	45.92	-8.08	54	40.35	33.2	9.1	36.73	221	167	A	H
	*	5220	114.84	-	-	109.33	33.02	9.22	36.73	221	167	P	H
	*	5220	108.27	-	-	102.76	33.02	9.22	36.73	221	167	A	H
		5350.52	51.2	-22.8	74	45.65	32.9	9.37	36.72	221	167	P	H
		5352.48	41	-13	54	35.44	32.9	9.38	36.72	221	167	A	H
		5149.5	54	-20	74	48.43	33.2	9.1	36.73	166	214	P	V
		5149.5	41.31	-12.69	54	35.74	33.2	9.1	36.73	166	214	A	V
	*	5220	111.09	-	-	105.58	33.02	9.22	36.73	166	214	P	V
	*	5220	103.87	-	-	98.36	33.02	9.22	36.73	166	214	A	V
		5400.64	48.07	-25.93	74	42.36	33	9.43	36.72	166	214	P	V
		5353.32	38.38	-15.62	54	32.81	32.91	9.38	36.72	166	214	A	V

802.11a CH 48 5240MHz		5150	50.79	-23.21	74	45.22	33.2	9.1	36.73	193	168	P	H
		5150	41.31	-12.69	54	35.74	33.2	9.1	36.73	193	168	A	H
	*	5240	114.38	-	-	108.92	32.94	9.25	36.73	193	168	P	H
	*	5240	108.37	-	-	102.91	32.94	9.25	36.73	193	168	A	H
		5353.6	50.45	-23.55	74	44.88	32.91	9.38	36.72	193	168	P	H
		5351.08	41.62	-12.38	54	36.07	32.9	9.37	36.72	193	168	A	H
		5128.96	47.72	-26.28	74	42.19	33.2	9.06	36.73	154	204	P	V
		5150	38.13	-15.87	54	32.56	33.2	9.1	36.73	154	204	A	V
	*	5240	107.35	-	-	101.89	32.94	9.25	36.73	154	204	P	V
	*	5240	101.38	-	-	95.92	32.94	9.25	36.73	154	204	A	V
		5400.64	48.34	-25.66	74	42.63	33	9.43	36.72	154	204	P	V
		5352.2	39.05	-14.95	54	33.49	32.9	9.38	36.72	154	204	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. 0+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	46.99	-21.21	68.2	54.23	38.74	12.88	58.86	-	-	P	H
		15540	45.31	-28.69	74	49.56	38.06	15.57	57.88	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	47.36	-20.84	68.2	54.4	38.74	12.88	58.66	-	-	P	V
		15540	45.87	-28.13	74	49.96	38.06	15.57	57.72	-	-	P	V
													V
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													V

WIFI Ant. 0+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	45.05	-23.15	68.2	52.19	38.74	12.93	58.81	-	-	P	H
		15660	43.57	-30.43	74	48.16	37.76	15.61	57.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	45.77	-22.43	68.2	52.72	38.74	12.93	58.62	-	-	P	V
		15660	43.49	-30.51	74	47.92	37.76	15.61	57.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	45.56	-22.64	68.2	52.62	38.78	12.95	58.79	-	-	P	H
		15720	44.8	-29.2	74	49.52	37.64	15.64	58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz													H
		10480	45.96	-22.24	68.2	52.84	38.78	12.95	58.61	-	-	P	V
		15720	44.54	-29.46	74	49.09	37.64	15.64	57.83	-	-	P	V
													V
													V
													V
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													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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5142.88	59.94	-14.06	74	54.38	33.2	9.09	36.73	295	142	P	H
		5147.82	50.95	-3.05	54	45.38	33.2	9.1	36.73	295	142	A	H
	*	5180	111.78	-	-	106.21	33.14	9.16	36.73	295	142	P	H
	*	5180	106.22	-	-	100.65	33.14	9.16	36.73	295	142	A	H
802.11n													H
HT20													H
CH 36		5145.54	57.66	-16.34	74	52.1	33.2	9.09	36.73	169	207	P	V
5180MHz		5149.34	44.54	-9.46	54	38.97	33.2	9.1	36.73	169	207	A	V
	*	5180	104.62	-	-	99.05	33.14	9.16	36.73	169	207	P	V
	*	5180	99.67	-	-	94.1	33.14	9.16	36.73	169	207	A	V
													V
													V
		5149.76	54.62	-19.38	74	49.05	33.2	9.1	36.73	310	139	P	H
		5149.76	46.16	-7.84	54	40.59	33.2	9.1	36.73	310	139	A	H
	*	5220	112.43	-	-	106.92	33.02	9.22	36.73	310	139	P	H
	*	5220	106.97	-	-	101.46	33.02	9.22	36.73	310	139	A	H
802.11n		5417.44	48.8	-25.2	74	43.08	33	9.44	36.72	310	139	P	H
HT20		5399.8	41.82	-12.18	54	36.11	33	9.43	36.72	310	139	A	H
CH 44		5144.04	48.86	-25.14	74	43.3	33.2	9.09	36.73	179	188	P	V
5220MHz		5149.24	41.12	-12.88	54	35.55	33.2	9.1	36.73	179	188	A	V
	*	5220	107.31	-	-	101.8	33.02	9.22	36.73	179	188	P	V
	*	5220	101.07	-	-	95.56	33.02	9.22	36.73	179	188	A	V
		5367.88	48.36	-25.64	74	42.75	32.94	9.39	36.72	179	188	P	V
		5355.84	40.22	-13.78	54	34.65	32.91	9.38	36.72	179	188	A	V

		5146.64	48.86	-25.14	74	43.29	33.2	9.1	36.73	310	164	P	H
		5148.46	41.61	-12.39	54	36.04	33.2	9.1	36.73	310	164	A	H
	*	5240	112.02	-	-	106.56	32.94	9.25	36.73	310	164	P	H
	*	5240	106.68	-	-	101.22	32.94	9.25	36.73	310	164	A	H
802.11n		5353.6	49.27	-24.73	74	43.7	32.91	9.38	36.72	310	164	P	H
HT20		5350.52	41.98	-12.02	54	36.43	32.9	9.37	36.72	310	164	A	H
CH 48		5089.7	47.3	-26.7	74	41.85	33.2	8.98	36.73	153	160	P	V
5240MHz		5148.2	39.02	-14.98	54	33.45	33.2	9.1	36.73	153	160	A	V
	*	5240	102.04	-	-	96.58	32.94	9.25	36.73	153	160	P	V
	*	5240	96.76	-	-	91.3	32.94	9.25	36.73	153	160	A	V
		5430.32	46.26	-27.74	74	40.54	33	9.44	36.72	153	160	P	V
		5420.52	39.46	-14.54	54	33.74	33	9.44	36.72	153	160	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+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	44.5	-23.7	68.2	51.74	38.74	12.88	58.86	-	-	P	H
		15540	46.25	-27.75	74	50.5	38.06	15.57	57.88	-	-	P	H
												H	H
												H	H
												H	H
												H	H
												H	H
												H	H
												H	H
												H	H
802.11n												H	H
HT20												H	H
CH 36		10360	47.23	-20.97	68.2	54.27	38.74	12.88	58.66	-	-	P	V
5180MHz		15540	45.1	-28.9	74	49.19	38.06	15.57	57.72	-	-	P	V
												V	V
												V	V
												V	V
												V	V
												V	V
												V	V
												V	V
												V	V
												V	V
												V	V

WIFI Ant. 0+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	46.34	-21.86	68.2	53.48	38.74	12.93	58.81	-	-	P	H
		15660	43.7	-30.3	74	48.29	37.76	15.61	57.96	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 44		10440	49.36	-18.84	68.2	56.31	38.74	12.93	58.62	300	55	P	V
5220MHz		10440	34.33	-19.67	54	41.28	38.74	12.93	58.62	300	55	A	V
		15660	45.01	-28.99	74	49.44	37.76	15.61	57.8	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	45.55	-22.65	68.2	52.61	38.78	12.95	58.79	-	-	P	H
		15720	44.3	-29.7	74	49.02	37.64	15.64	58	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 48		10480	48.95	-19.25	68.2	55.83	38.78	12.95	58.61	-	-	P	V
5240MHz		15720	44.55	-29.45	74	49.1	37.64	15.64	57.83	-	-	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5145.64	58.82	-15.18	74	53.26	33.2	9.09	36.73	252	168	P	H
		5150	50.84	-3.16	54	45.27	33.2	9.1	36.73	252	168	A	H
	*	5190	105.78	-	-	100.21	33.12	9.18	36.73	252	168	P	H
	*	5190	98.75	-	-	93.18	33.12	9.18	36.73	252	168	A	H
802.11n		5352	49.02	-24.98	74	43.47	32.9	9.37	36.72	252	168	P	H
HT40		5368.8	43.1	-10.9	54	37.49	32.94	9.39	36.72	252	168	A	H
CH 38		5149.16	57.51	-16.49	74	51.94	33.2	9.1	36.73	217	189	P	V
5190MHz		5149.38	45.11	-8.89	54	39.54	33.2	9.1	36.73	217	189	A	V
	*	5190	97.72	-	-	92.15	33.12	9.18	36.73	217	189	P	V
	*	5190	91.21	-	-	85.64	33.12	9.18	36.73	217	189	A	V
		5403.3	47.34	-26.66	74	41.63	33	9.43	36.72	217	189	P	V
		5350.2	39.86	-14.14	54	34.31	32.9	9.37	36.72	217	189	A	V
		5143.52	55.76	-18.24	74	50.2	33.2	9.09	36.73	209	118	P	H
		5150	47.36	-6.64	54	41.79	33.2	9.1	36.73	209	118	A	H
	*	5230	110.7	-	-	105.22	32.98	9.23	36.73	209	118	P	H
	*	5230	103.45	-	-	97.97	32.98	9.23	36.73	209	118	A	H
802.11n		5357.3	53.68	-20.32	74	48.11	32.91	9.38	36.72	209	118	P	H
HT40		5352.1	46.53	-7.47	54	40.98	32.9	9.37	36.72	209	118	A	H
CH 46		5149.5	52.69	-21.31	74	47.12	33.2	9.1	36.73	185	140	P	V
5230MHz		5149.5	42.53	-11.47	54	36.96	33.2	9.1	36.73	185	140	A	V
	*	5230	103.32	-	-	97.84	32.98	9.23	36.73	185	140	P	V
	*	5230	96.88	-	-	91.4	32.98	9.23	36.73	185	140	A	V
		5362.76	49.5	-24.5	74	43.9	32.93	9.39	36.72	185	140	P	V
		5354.96	42.44	-11.56	54	36.87	32.91	9.38	36.72	185	140	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+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	44.91	-23.29	68.2	52.15	38.72	12.89	58.85	-	-	P	H
		15570	44.48	-29.52	74	48.77	38.03	15.58	57.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 38		10380	44.91	-23.29	68.2	51.95	38.72	12.89	58.65	-	-	P	V
5190MHz		15570	44.5	-29.5	74	48.63	38.03	15.58	57.74	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	44.99	-23.21	68.2	52.09	38.76	12.94	58.8	-	-	P	H
		15690	43.51	-30.49	74	48.23	37.64	15.62	57.98	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 46		10460	46.31	-21.89	68.2	53.23	38.76	12.94	58.62	-	-	P	V
5230MHz		15690	43.64	-30.36	74	48.19	37.64	15.62	57.81	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 0+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)
802.11ac VHT80 CH 42 5210MHz		5149.24	60.84	-13.16	74	55.27	33.2	9.1	36.73	253	143	P	H
		5149.76	48.63	-5.37	54	43.06	33.2	9.1	36.73	253	143	A	H
	*	5210	101.76	-	-	96.22	33.06	9.21	36.73	253	143	P	H
	*	5210	94.15	-	-	88.61	33.06	9.21	36.73	253	143	A	H
		5361.3	52.88	-21.12	74	47.29	32.92	9.39	36.72	253	143	P	H
		5364.9	45.11	-8.89	54	39.51	32.93	9.39	36.72	253	143	A	H
		5146.9	52.39	-21.61	74	46.82	33.2	9.1	36.73	100	140	P	V
		5149.24	43.44	-10.56	54	37.87	33.2	9.1	36.73	100	140	A	V
	*	5210	95.85	-	-	90.31	33.06	9.21	36.73	100	140	P	V
	*	5210	87.82	-	-	82.28	33.06	9.21	36.73	100	140	A	V
		5364	49.55	-24.45	74	43.95	32.93	9.39	36.72	100	140	P	V
		5358.3	41.41	-12.59	54	35.83	32.92	9.38	36.72	100	140	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+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)
		10420	45.53	-22.67	68.2	52.71	38.72	12.92	58.82	-	-	P	H
		15630	43.95	-30.05	74	48.41	37.88	15.6	57.94	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 42		10420	45.23	-22.97	68.2	52.22	38.72	12.92	58.63	-	-	P	V
5210MHz		15630	43.99	-30.01	74	48.29	37.88	15.6	57.78	-	-	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. 0+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		5140.67	48.87	-25.13	74	43.32	33.2	9.08	36.73	214	162	P	H
		5149.85	39.41	-14.59	54	33.84	33.2	9.1	36.73	214	162	A	H
	*	5260	115.08	-	-	109.65	32.88	9.27	36.72	214	162	P	H
	*	5260	106.97	-	-	101.54	32.88	9.27	36.72	214	162	A	H
		5355.42	53.37	-20.63	74	47.8	32.91	9.38	36.72	214	162	P	H
		5350	44.4	-9.6	54	38.85	32.9	9.37	36.72	214	162	A	H
		5115.02	47.46	-26.54	74	41.96	33.2	9.03	36.73	149	199	P	V
		5144.99	37.55	-16.45	54	31.99	33.2	9.09	36.73	149	199	A	V
	*	5260	106.34	-	-	100.91	32.88	9.27	36.72	149	199	P	V
	*	5260	100.43	-	-	95	32.88	9.27	36.72	149	199	A	V
		5360.25	49.41	-24.59	74	43.83	32.92	9.38	36.72	149	199	P	V
		5356.47	40.3	-13.7	54	34.73	32.91	9.38	36.72	149	199	A	V
802.11a CH 60 5300MHz		5137.36	48.41	-25.59	74	42.86	33.2	9.08	36.73	217	161	P	H
		5144.5	38.03	-15.97	54	32.47	33.2	9.09	36.73	217	161	A	H
	*	5300	114.56	-	-	109.16	32.8	9.32	36.72	217	161	P	H
	*	5300	108	-	-	102.6	32.8	9.32	36.72	217	161	A	H
		5352.48	59.77	-14.23	74	54.21	32.9	9.38	36.72	217	161	P	H
		5350.08	48.78	-5.22	54	43.23	32.9	9.37	36.72	217	161	A	H
		5116.28	46.9	-27.1	74	41.39	33.2	9.04	36.73	163	201	P	V
		5102	37.3	-16.7	54	31.82	33.2	9.01	36.73	163	201	A	V
	*	5300	108.28	-	-	102.88	32.8	9.32	36.72	163	201	P	V
	*	5300	102.06	-	-	96.66	32.8	9.32	36.72	163	201	A	V
		5362.56	52.94	-21.06	74	47.34	32.93	9.39	36.72	163	201	P	V
		5351.52	43.52	-10.48	54	37.97	32.9	9.37	36.72	163	201	A	V

802.11a CH 64 5320MHz	*	5320	114.75	-	-	109.29	32.84	9.34	36.72	216	160	P	H
	*	5320	107.6	-	-	102.14	32.84	9.34	36.72	216	160	A	H
		5350.88	63.7	-10.3	74	58.15	32.9	9.37	36.72	216	160	P	H
		5350.72	50.35	-3.65	54	44.8	32.9	9.37	36.72	216	160	A	H
													H
													H
	*	5320	107.02	-	-	101.56	32.84	9.34	36.72	163	197	P	V
	*	5320	100.62	-	-	95.16	32.84	9.34	36.72	163	197	A	V
		5351.2	62.05	-11.95	74	56.5	32.9	9.37	36.72	163	197	P	V
		5350.08	45.34	-8.66	54	39.79	32.9	9.37	36.72	163	197	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. 0+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		10600	44.32	-29.68	74	50.98	39	13.02	58.68	-	-	P	H
		15900	43.44	-30.56	74	48.37	37.5	15.7	58.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	44.92	-29.08	74	51.42	39	13.02	58.52	-	-	P	V
		15900	43.49	-30.51	74	48.23	37.5	15.7	57.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	44.32	-29.68	74	50.98	39	13.02	58.68	-	-	P	H
		15900	43.44	-30.56	74	48.37	37.5	15.7	58.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	44.92	-29.08	74	51.42	39	13.02	58.52	-	-	P	V
		15900	43.49	-30.51	74	48.23	37.5	15.7	57.94	-	-	P	V
													V
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													V
													V

WIFI Ant. 0+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	45.59	-28.41	74	52.15	39.04	13.04	58.64	-	-	P	H
		15960	43.96	-30.04	74	48.91	37.5	15.72	58.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	46.11	-27.89	74	52.52	39.04	13.04	58.49	-	-	P	V
		15960	43.64	-30.36	74	48.4	37.5	15.72	57.98	-	-	P	V
													V
													V
													V
													V
													V
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													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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5144.99	47.68	-26.32	74	42.12	33.2	9.09	36.73	191	168	P	H
		5150	41.34	-12.66	54	35.77	33.2	9.1	36.73	191	168	A	H
	*	5260	114.13	-	-	108.7	32.88	9.27	36.72	191	168	P	H
	*	5260	109.59	-	-	104.16	32.88	9.27	36.72	191	168	A	H
802.11n		5351.43	51.79	-22.21	74	46.24	32.9	9.37	36.72	191	168	P	H
HT20		5350.38	45.15	-8.85	54	39.6	32.9	9.37	36.72	191	168	A	H
CH 52		5089.1	47.8	-26.2	74	42.35	33.2	8.98	36.73	211	135	P	V
5260MHz		5127.98	39.2	-14.8	54	33.67	33.2	9.06	36.73	211	135	A	V
	*	5260	108.58	-	-	103.15	32.88	9.27	36.72	211	135	P	V
	*	5260	103.7	-	-	98.27	32.88	9.27	36.72	211	135	A	V
		5356.47	48.57	-25.43	74	43	32.91	9.38	36.72	211	135	P	V
		5362.35	40.63	-13.37	54	35.04	32.92	9.39	36.72	211	135	A	V
		5149.94	49.25	-24.75	74	43.68	33.2	9.1	36.73	195	166	P	H
		5143.82	39.96	-14.04	54	34.4	33.2	9.09	36.73	195	166	A	H
	*	5300	113.48	-	-	108.08	32.8	9.32	36.72	195	166	P	H
	*	5300	109.58	-	-	104.18	32.8	9.32	36.72	195	166	A	H
802.11n		5352	59.24	-14.76	74	53.69	32.9	9.37	36.72	195	166	P	H
HT20		5350.08	49.23	-4.77	54	43.68	32.9	9.37	36.72	195	166	A	H
CH 60		5110.16	46.77	-27.23	74	41.28	33.2	9.02	36.73	187	134	P	V
5300MHz		5142.12	38.72	-15.28	54	33.16	33.2	9.09	36.73	187	134	A	V
	*	5300	109.55	-	-	104.15	32.8	9.32	36.72	187	134	P	V
	*	5300	104	-	-	98.6	32.8	9.32	36.72	187	134	A	V
		5363.28	52.05	-21.95	74	46.45	32.93	9.39	36.72	187	134	P	V
		5350.32	43.93	-10.07	54	38.38	32.9	9.37	36.72	187	134	A	V

	*	5320	112.89	-	-	107.43	32.84	9.34	36.72	224	175	P	H
	*	5320	108.08	-	-	102.62	32.84	9.34	36.72	224	175	A	H
		5353.2	59.75	-14.25	74	54.18	32.91	9.38	36.72	224	175	P	H
		5351.28	50.14	-3.86	54	44.59	32.9	9.37	36.72	224	175	A	H
802.11n													H
HT20													H
CH 64	*	5320	107.45	-	-	101.99	32.84	9.34	36.72	160	146	P	V
5320MHz	*	5320	101.7	-	-	96.24	32.84	9.34	36.72	160	146	A	V
		5350.08	54.94	-19.06	74	49.39	32.9	9.37	36.72	160	146	P	V
		5351.04	45.4	-8.6	54	39.85	32.9	9.37	36.72	160	146	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+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	46.6	-21.6	68.2	53.55	38.84	12.97	58.76	-	-	P	H
		15780	44.19	-29.81	74	48.82	37.76	15.66	58.05	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 52		10520	47.09	-21.11	68.2	53.86	38.84	12.97	58.58	-	-	P	V
5260MHz		15780	45.89	-28.11	74	50.34	37.76	15.66	57.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	46.22	-27.78	74	52.88	39	13.02	58.68	-	-	P	H
		15900	45.2	-28.8	74	50.13	37.5	15.7	58.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 60		10600	46.84	-27.16	74	53.34	39	13.02	58.52	-	-	P	V
5300MHz		15900	45.51	-28.49	74	50.25	37.5	15.7	57.94	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	46.31	-27.69	74	52.87	39.04	13.04	58.64	-	-	P	H
		15960	44.41	-29.59	74	49.36	37.5	15.72	58.17	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 64		10640	46.5	-27.5	74	52.91	39.04	13.04	58.49	-	-	P	V
5320MHz		15960	43.61	-30.39	74	48.37	37.5	15.72	57.98	-	-	P	V
													V
													V
													V
													V
													V
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													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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5150	54.54	-19.46	74	48.97	33.2	9.1	36.73	207	167	P	H
		5150	44.53	-9.47	54	38.96	33.2	9.1	36.73	207	167	A	H
	*	5270	109.6	-	-	104.18	32.86	9.28	36.72	207	167	P	H
	*	5270	103.3	-	-	97.88	32.86	9.28	36.72	207	167	A	H
802.11n		5352.72	58.12	-15.88	74	52.55	32.91	9.38	36.72	207	167	P	H
HT40		5350.32	49.08	-4.92	54	43.53	32.9	9.37	36.72	207	167	A	H
CH 54		5134.72	48.99	-25.01	74	43.45	33.2	9.07	36.73	203	138	P	V
5270MHz		5144	40.47	-13.53	54	34.91	33.2	9.09	36.73	203	138	A	V
	*	5270	103.52	-	-	98.1	32.86	9.28	36.72	203	138	P	V
	*	5270	96.9	-	-	91.48	32.86	9.28	36.72	203	138	A	V
		5350.56	52.03	-21.97	74	46.48	32.9	9.37	36.72	203	138	P	V
		5351.04	44.16	-9.84	54	38.61	32.9	9.37	36.72	203	138	A	V
		5113.56	47.5	-26.5	74	42	33.2	9.03	36.73	199	167	P	H
		5149.94	40.54	-13.46	54	34.97	33.2	9.1	36.73	199	167	A	H
	*	5310	106.25	-	-	100.82	32.82	9.33	36.72	199	167	P	H
	*	5310	100.04	-	-	94.61	32.82	9.33	36.72	199	167	A	H
802.11n		5351.52	61.6	-12.4	74	56.05	32.9	9.37	36.72	199	167	P	H
HT40		5350.08	52.34	-1.66	54	46.79	32.9	9.37	36.72	199	167	A	H
CH 62		5079.56	47.67	-26.33	74	42.23	33.2	8.97	36.73	150	141	P	V
5310MHz		5145.52	39.1	-14.9	54	33.54	33.2	9.09	36.73	150	141	A	V
	*	5310	100.65	-	-	95.22	32.82	9.33	36.72	150	141	P	V
	*	5310	94.08	-	-	88.65	32.82	9.33	36.72	150	141	A	V
		5353.92	53.29	-20.71	74	47.72	32.91	9.38	36.72	150	141	P	V
		5350.8	47.93	-6.07	54	42.38	32.9	9.37	36.72	150	141	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+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	46.21	-21.99	68.2	53.09	38.88	12.98	58.74	-	-	P	H
		15810	44.87	-29.13	74	49.5	37.77	15.67	58.07	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 54		10540	46.16	-22.04	68.2	52.87	38.88	12.98	58.57	-	-	P	V
5270MHz		15810	45.45	-28.55	74	49.9	37.77	15.67	57.89	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	46.27	-27.73	74	52.88	39.02	13.03	58.66	-	-	P	H
		15930	44.5	-29.5	74	49.44	37.5	15.71	58.15	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 62		10620	46.74	-27.26	74	53.19	39.02	13.03	58.5	-	-	P	V
5310MHz		15930	44.86	-29.14	74	49.61	37.5	15.71	57.96	-	-	P	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 0+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)
802.11ac VHT80 CH 58 5290MHz		5149.26	53.69	-20.31	74	48.12	33.2	9.1	36.73	253	116	P	H
		5146.54	42.76	-11.24	54	37.19	33.2	9.1	36.73	253	116	A	H
	*	5290	101.74	-	-	96.34	32.82	9.3	36.72	253	116	P	H
	*	5290	94.46	-	-	89.06	32.82	9.3	36.72	253	116	A	H
		5361.66	61.44	-12.56	74	55.85	32.92	9.39	36.72	253	116	P	H
		5350.44	49.29	-4.71	54	43.74	32.9	9.37	36.72	253	116	A	H
		5082.96	48.57	-25.43	74	43.13	33.2	8.97	36.73	247	210	P	V
		5096.22	38.55	-15.45	54	33.08	33.2	9	36.73	247	210	A	V
	*	5290	96.26	-	-	90.86	32.82	9.3	36.72	247	210	P	V
	*	5290	87.9	-	-	82.5	32.82	9.3	36.72	247	210	A	V
		5356.38	57.13	-16.87	74	51.56	32.91	9.38	36.72	247	210	P	V
		5354.84	44.83	-9.17	54	39.26	32.91	9.38	36.72	247	210	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+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	46.58	-21.62	68.2	53.32	38.96	13	58.7	-	-	P	H
		15870	44.77	-29.23	74	49.6	37.59	15.69	58.11	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 58		10580	47.91	-20.29	68.2	54.49	38.96	13	58.54	-	-	P	V
5290MHz		15870	44.63	-29.37	74	49.27	37.59	15.69	57.92	-	-	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. 0+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		5455.28	57.34	-16.66	74	51.61	33	9.45	36.72	226	125	P	H
		5466.32	62.06	-6.14	68.2	56.32	33	9.46	36.72	226	125	P	H
		5460	45.53	-8.47	54	39.79	33	9.46	36.72	226	125	A	H
	*	5500	114.88	-	-	109.12	33	9.48	36.72	226	125	P	H
	*	5500	107.43	-	-	101.67	33	9.48	36.72	226	125	A	H
													H
		5458.96	53.77	-20.23	74	48.03	33	9.46	36.72	133	190	P	V
		5467.12	59.08	-9.12	68.2	53.34	33	9.46	36.72	133	190	P	V
		5459.76	43.14	-10.86	54	37.4	33	9.46	36.72	133	190	A	V
	*	5500	111.78	-	-	106.02	33	9.48	36.72	133	190	P	V
	*	5500	103.72	-	-	97.96	33	9.48	36.72	133	190	A	V
													V
802.11a CH 116 5580MHz		5454.4	50.12	-23.88	74	44.39	33	9.45	36.72	193	179	P	H
		5469.1	49.54	-18.66	68.2	43.8	33	9.46	36.72	193	179	P	H
		5458.3	40.62	-13.38	54	34.88	33	9.46	36.72	193	179	A	H
	*	5580	115.59	-	-	109.84	32.96	9.51	36.72	193	179	P	H
	*	5580	106.82	-	-	101.07	32.96	9.51	36.72	193	179	A	H
		5757.125	49.05	-19.15	68.2	42.14	34.03	9.59	36.71	193	179	P	H
		5445.1	48.38	-25.62	74	42.65	33	9.45	36.72	200	197	P	V
		5462.5	48.9	-19.3	68.2	43.16	33	9.46	36.72	200	197	P	V
		5453.5	38.56	-15.44	54	32.83	33	9.45	36.72	200	197	A	V
	*	5580	111.54	-	-	105.79	32.96	9.51	36.72	200	197	P	V
	*	5580	105.06	-	-	99.31	32.96	9.51	36.72	200	197	A	V
		5763.74	49.19	-19.01	68.2	42.26	34.05	9.59	36.71	200	197	P	V

802.11a CH 140 5700MHz	*	5700	113.19	-	-	106.64	33.7	9.57	36.72	215	237	P	H
	*	5700	106.56	-	-	100.01	33.7	9.57	36.72	215	237	A	H
		5725.08	63.38	-4.82	68.2	56.67	33.85	9.58	36.72	215	237	P	H
													H
													H
													H
	*	5700	111.31	-	-	104.76	33.7	9.57	36.72	207	189	P	V
	*	5700	104.52	-	-	97.97	33.7	9.57	36.72	207	189	A	V
		5725	63.15	-5.05	68.2	56.44	33.85	9.58	36.72	207	189	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. 0+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	45.7	-28.3	74	51.85	38.9	13.23	58.28	-	-	P	H
		16500	43.65	-24.55	68.2	48.2	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	45.86	-28.14	74	51.93	38.9	13.23	58.2	-	-	P	V
		16500	43.18	-25.02	68.2	47.72	38.1	16.06	58.7	-	-	P	V
													V
													V
													V
													V
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													V
													V
													V
													V

WIFI Ant. 0+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	44.76	-29.24	74	50.75	38.82	13.32	58.13	-	-	P	H
		16740	43.75	-24.45	68.2	48.72	38	16.22	59.19	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	45.28	-28.72	74	51.21	38.82	13.32	58.07	-	-	P	V
		16740	44.68	-23.52	68.2	49.5	38	16.22	59.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	46.11	-27.89	74	51.57	39	13.45	57.91	-	-	P	H
		17100	43.18	-25.02	68.2	48.58	37.9	16.45	59.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	46.11	-27.89	74	51.54	39	13.45	57.88	-	-	P	V
		17100	43.85	-24.35	68.2	48.96	37.9	16.45	59.46	-	-	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5459.92	57.75	-16.25	74	52.01	33	9.46	36.72	343	136	P	H
		5467.6	63.34	-4.86	68.2	57.6	33	9.46	36.72	343	136	P	H
		5460	48.2	-5.8	54	42.46	33	9.46	36.72	343	136	A	H
	*	5500	113.12	-	-	107.36	33	9.48	36.72	343	136	P	H
802.11n	*	5500	108.78	-	-	103.02	33	9.48	36.72	343	136	A	H
HT20													H
CH 100		5456.24	53.59	-20.41	74	47.85	33	9.46	36.72	155	192	P	V
5500MHz		5468.72	59.43	-8.77	68.2	53.69	33	9.46	36.72	155	192	P	V
		5460	45.81	-8.19	54	40.07	33	9.46	36.72	155	192	A	V
	*	5500	112.08	-	-	106.32	33	9.48	36.72	155	192	P	V
	*	5500	106.66	-	-	100.9	33	9.48	36.72	155	192	A	V
													V
		5407.3	48.5	-25.5	74	42.79	33	9.43	36.72	348	123	P	H
		5470	50.64	-17.56	68.2	44.9	33	9.46	36.72	348	123	P	H
		5455.9	41.43	-12.57	54	35.69	33	9.46	36.72	348	123	A	H
	*	5580	114.88	-	-	109.13	32.96	9.51	36.72	348	123	P	H
802.11n	*	5580	108.25	-	-	102.5	32.96	9.51	36.72	348	123	A	H
HT20		5750.195	50.6	-17.6	68.2	43.72	34	9.59	36.71	348	123	P	H
CH 116		5449.3	47.77	-26.23	74	42.04	33	9.45	36.72	146	198	P	V
5580MHz		5463.4	47.58	-20.62	68.2	41.84	33	9.46	36.72	146	198	P	V
		5459.8	39.9	-14.1	54	34.16	33	9.46	36.72	146	198	A	V
	*	5580	109.5	-	-	103.75	32.96	9.51	36.72	146	198	P	V
	*	5580	104.6	-	-	98.85	32.96	9.51	36.72	146	198	A	V
		5727.2	47.39	-20.81	68.2	40.67	33.86	9.58	36.72	146	198	P	V

	*	5700	112.04	-	-	105.49	33.7	9.57	36.72	313	174	P	H
	*	5700	107	-	-	100.45	33.7	9.57	36.72	313	174	A	H
		5734.04	64.22	-3.98	68.2	57.46	33.9	9.58	36.72	313	174	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	106.44	-	-	99.89	33.7	9.57	36.72	174	187	P	V
5700MHz	*	5700	102.17	-	-	95.62	33.7	9.57	36.72	174	187	A	V
		5725.08	59.83	-8.37	68.2	53.12	33.85	9.58	36.72	174	187	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 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+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	46.6	-27.4	74	52.75	38.9	13.23	58.28	-	-	P	H
		16500	44.94	-23.26	68.2	49.49	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 100		11000	47.23	-26.77	74	53.3	38.9	13.23	58.2	-	-	P	V
5500MHz		16500	45.09	-23.11	68.2	49.63	38.1	16.06	58.7	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	45.84	-28.16	74	51.83	38.82	13.32	58.13	-	-	P	H
		16740	45.81	-22.39	68.2	50.78	38	16.22	59.19	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 116		11160	46.26	-27.74	74	52.19	38.82	13.32	58.07	-	-	P	V
5580MHz		16740	45.19	-23.01	68.2	50.01	38	16.22	59.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	47.33	-26.67	74	52.79	39	13.45	57.91	-	-	P	H
		17100	46.45	-21.75	68.2	51.85	37.9	16.45	59.75	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 140		11400	46.81	-27.19	74	52.24	39	13.45	57.88	-	-	P	V
5700MHz		17100	46.41	-21.79	68.2	51.52	37.9	16.45	59.46	-	-	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5447.8	56.06	-17.94	74	50.33	33	9.45	36.72	208	119	P	H
		5467.3	63.04	-5.16	68.2	57.3	33	9.46	36.72	208	119	P	H
		5460	50.16	-3.84	54	44.42	33	9.46	36.72	208	119	A	H
	*	5510	107.47	-	-	101.73	32.98	9.48	36.72	208	119	P	H
802.11n	*	5510	100.77	-	-	95.03	32.98	9.48	36.72	208	119	A	H
HT40		5737.28	48.7	-19.5	68.2	41.92	33.92	9.58	36.72	208	119	P	H
CH 102		5459.8	50.52	-23.48	74	44.78	33	9.46	36.72	240	192	P	V
5510MHz		5468.2	60.65	-7.55	68.2	54.91	33	9.46	36.72	240	192	P	V
		5458.6	45.58	-8.42	54	39.84	33	9.46	36.72	240	192	A	V
	*	5510	103.21	-	-	97.47	32.98	9.48	36.72	240	192	P	V
	*	5510	97.26	-	-	91.52	32.98	9.48	36.72	240	192	A	V
		5746.1	47.84	-20.36	68.2	40.99	33.98	9.59	36.72	240	192	P	V
		5453.8	49.26	-24.74	74	43.53	33	9.45	36.72	243	166	P	H
		5468.5	49.89	-18.31	68.2	44.15	33	9.46	36.72	243	166	P	H
		5460	40.84	-13.16	54	35.1	33	9.46	36.72	243	166	A	H
	*	5550	108.5	-	-	102.82	32.9	9.5	36.72	243	166	P	H
802.11n	*	5550	100.43	-	-	94.75	32.9	9.5	36.72	243	166	A	H
HT40		5734.13	50.95	-17.25	68.2	44.19	33.9	9.58	36.72	243	166	P	H
CH 110		5440.3	48.36	-25.64	74	42.63	33	9.45	36.72	193	110	P	V
5550MHz		5467	47.25	-20.95	68.2	41.51	33	9.46	36.72	193	110	P	V
		5458.6	38.67	-15.33	54	32.93	33	9.46	36.72	193	110	A	V
	*	5550	97.79	-	-	92.11	32.9	9.5	36.72	193	110	P	V
	*	5550	93.33	-	-	87.65	32.9	9.5	36.72	193	110	A	V
		5731.925	49.19	-19.01	68.2	42.44	33.89	9.58	36.72	193	110	P	V

		5445.55	47.29	-26.71	74	41.56	33	9.45	36.72	298	125	P	H
		5469.7	46.75	-21.45	68.2	41.01	33	9.46	36.72	298	125	P	H
		5457.8	38.69	-15.31	54	32.95	33	9.46	36.72	298	125	A	H
	*	5670	108.19	-	-	102.02	33.34	9.55	36.72	298	125	P	H
802.11n	*	5670	101.37	-	-	95.2	33.34	9.55	36.72	298	125	A	H
HT40		5731.05	63.59	-4.61	68.2	56.84	33.89	9.58	36.72	298	125	P	H
CH 134		5437.5	46.43	-27.57	74	40.7	33	9.45	36.72	272	164	P	V
5670MHz		5465.15	46.58	-21.62	68.2	40.84	33	9.46	36.72	272	164	P	V
		5420	37.8	-16.2	54	32.08	33	9.44	36.72	272	164	A	V
	*	5670	100.71	-	-	94.54	33.34	9.55	36.72	272	164	P	V
	*	5670	93.8	-	-	87.63	33.34	9.55	36.72	272	164	A	V
		5725.275	58.14	-10.06	68.2	51.43	33.85	9.58	36.72	272	164	P	V

Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+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	46.31	-27.69	74	52.47	38.86	13.24	58.26	-	-	P	H
		16530	45.09	-23.11	68.2	49.74	38.04	16.08	58.77	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 102		11020	46.01	-27.99	74	52.09	38.86	13.24	58.18	-	-	P	V
5510MHz		16530	44.25	-23.95	68.2	48.87	38.04	16.08	58.74	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	46.23	-27.77	74	52.43	38.7	13.29	58.19	-	-	P	H
		16650	45.41	-22.79	68.2	50.31	37.95	16.16	59.01	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 110		11100	46.8	-27.2	74	52.93	38.7	13.29	58.12	-	-	P	V
5550MHz		16650	44.64	-23.56	68.2	49.44	37.95	16.16	58.91	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	47.06	-26.94	74	52.61	39	13.42	57.97	-	-	P	H
		17010	46.35	-21.85	68.2	51.95	37.72	16.39	59.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 134		11340	46.57	-27.43	74	52.08	39	13.42	57.93	-	-	P	V
5670MHz		17010	45.85	-22.35	68.2	51.15	37.72	16.39	59.41	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5457.41	61.47	-12.53	74	55.73	33	9.46	36.72	197	119	P	H
		5464.54	65.52	-2.68	68.2	59.78	33	9.46	36.72	197	119	P	H
		5459.94	51.12	-2.88	54	45.38	33	9.46	36.72	197	119	A	H
	*	5530	103.16	-	-	97.45	32.94	9.49	36.72	197	119	P	H
802.11ac	*	5530	94.84	-	-	89.13	32.94	9.49	36.72	197	119	A	H
VHT80		5743.58	54.78	-13.42	68.2	47.96	33.96	9.58	36.72	197	119	P	H
CH 106		5455.11	57.78	-16.22	74	52.05	33	9.45	36.72	238	192	P	V
5530MHz		5467.76	58.98	-9.22	68.2	53.24	33	9.46	36.72	238	192	P	V
		5459.71	46.88	-7.12	54	41.14	33	9.46	36.72	238	192	A	V
	*	5530	99.02	-	-	93.31	32.94	9.49	36.72	238	192	P	V
	*	5530	90.21	-	-	84.5	32.94	9.49	36.72	238	192	A	V
		5724.995	51.55	-98.45	150	44.84	33.85	9.58	36.72	238	192	P	V
		5444.5	56.82	-17.18	74	51.09	33	9.45	36.72	233	171	P	H
		5464.6	57.3	-10.9	68.2	51.56	33	9.46	36.72	233	171	P	H
		5459.2	46.27	-7.73	54	40.53	33	9.46	36.72	233	171	A	H
	*	5610	102.06	-	-	96.24	33.02	9.52	36.72	233	171	P	H
802.11ac	*	5610	94.33	-	-	88.51	33.02	9.52	36.72	233	171	A	H
VHT80		5725.31	62.86	-5.34	68.2	56.15	33.85	9.58	36.72	233	171	P	H
CH 122		5446.6	51.34	-22.66	74	45.61	33	9.45	36.72	296	156	P	V
5610MHz		5468.2	51.08	-17.12	68.2	45.34	33	9.46	36.72	296	156	P	V
		5459.8	40.59	-13.41	54	34.85	33	9.46	36.72	296	156	A	V
	*	5610	95.63	-	-	89.81	33.02	9.52	36.72	296	156	P	V
	*	5610	87.3	-	-	81.48	33.02	9.52	36.72	296	156	A	V
		5727.83	60.04	-8.16	68.2	53.31	33.87	9.58	36.72	296	156	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+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	46.98	-27.02	74	53.16	38.78	13.26	58.22	-	-	P	H
		16590	45.03	-23.17	68.2	49.88	37.92	16.12	58.89	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 106		11060	46.24	-27.76	74	52.35	38.78	13.26	58.15	-	-	P	V
5530MHz		16590	44.85	-23.35	68.2	49.64	37.92	16.12	58.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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	46.7	-27.3	74	52.51	38.92	13.35	58.08	-	-	P	H
		16830	45.49	-22.71	68.2	50.64	37.94	16.27	59.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 122		11220	46.46	-27.54	74	52.21	38.92	13.35	58.02	-	-	P	V
5610MHz		16830	45.73	-22.47	68.2	50.68	37.94	16.27	59.16	-	-	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. 0+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)
		5454.48	58.06	-15.94	74	52.33	33	9.45	36.72	200	178	P	H
		5469.36	64.4	-3.8	68.2	58.66	33	9.46	36.72	200	178	P	H
		5458.64	44.71	-9.29	54	38.97	33	9.46	36.72	200	178	A	H
	*	5500	110.29	-	-	104.53	33	9.48	36.72	200	178	P	H
802.11ax	*	5500	102.73	-	-	96.97	33	9.48	36.72	200	178	A	H
HE20 Full		5459.6	54.73	-19.27	74	48.99	33	9.46	36.72	140	187	P	V
CH 100		5469.2	61.6	-6.6	68.2	55.86	33	9.46	36.72	140	187	P	V
5500MHz		5459.92	42.27	-11.73	54	36.53	33	9.46	36.72	140	187	A	V
	*	5500	108.82	-	-	103.06	33	9.48	36.72	140	187	P	V
	*	5500	100.54	-	-	94.78	33	9.48	36.72	140	187	A	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. 0+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	45.83	-28.17	74	51.98	38.9	13.23	58.28	-	-	P	H
		16500	44.9	-23.3	68.2	49.45	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20 Full													H
CH 100		11000	46.5	-27.5	74	52.57	38.9	13.23	58.2	-	-	P	V
5500MHz		16500	44.64	-23.56	68.2	49.18	38.1	16.06	58.7	-	-	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 26 (Band Edge @ 3m)

WIFI Ant. 0+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 26/0 CH 100 5260MHz		5458.48	66.18	-7.82	74	60.44	33	9.46	36.72	211	117	P	H
		5469.52	65.66	-2.54	68.2	59.92	33	9.46	36.72	211	117	P	H
		5455.6	50.37	-3.63	54	44.63	33	9.46	36.72	211	117	A	H
	*	5500	118.31	-	-	112.55	33	9.48	36.72	211	117	P	H
	*	5500	111.56	-	-	105.8	33	9.48	36.72	211	117	A	H
													H
		5458.96	59.16	-14.84	74	53.42	33	9.46	36.72	126	185	P	V
		5466.16	59.77	-8.43	68.2	54.03	33	9.46	36.72	126	185	P	V
		5456.4	46.89	-7.11	54	41.15	33	9.46	36.72	126	185	A	V
	*	5500	115.01	-	-	109.25	33	9.48	36.72	126	185	P	V
	*	5500	107.57	-	-	101.81	33	9.48	36.72	126	185	A	V
													V
Remark	4. No other spurious found. 5. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ax HE20 Partial 26 (Harmonic @ 3m)

WIFI Ant. 0+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 26/0 CH 100 5500MHz		11000	53.07	-20.93	74	59.22	38.9	13.23	58.28	248	140	P	H
		11000	42.01	-11.99	54	48.16	38.9	13.23	58.28	248	140	A	H
		16500	44.38	-23.82	68.2	48.93	38.1	16.06	58.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	45.15	-28.85	74	51.22	38.9	13.23	58.2	-	-	P	V
		16500	44.12	-24.08	68.2	48.66	38.1	16.06	58.7	-	-	P	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5459.2	48.84	-25.16	74	43.1	33	9.46	36.72	191	166	P	H
		5463.88	47.64	-20.56	68.2	41.9	33	9.46	36.72	191	166	P	H
		5433.85	38.23	-15.77	54	32.5	33	9.45	36.72	191	166	A	H
	*	5720	114.74	-	-	108.07	33.82	9.57	36.72	191	166	P	H
	*	5720	107.6	-	-	100.93	33.82	9.57	36.72	191	166	A	H
		5854	53.23	-14.97	68.2	46.05	34.21	9.68	36.71	191	166	P	H
		5404.6	47.67	-26.33	74	41.96	33	9.43	36.72	181	191	P	V
		5466.61	46.58	-21.62	68.2	40.84	33	9.46	36.72	181	191	P	V
		5457.25	37.71	-16.29	54	31.97	33	9.46	36.72	181	191	A	V
	*	5720	113.16	-	-	106.49	33.82	9.57	36.72	181	191	P	V
	*	5720	105.82	-	-	99.15	33.82	9.57	36.72	181	191	A	V
		5875.25	50.75	-17.45	68.2	43.5	34.25	9.71	36.71	181	191	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. 0+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	47.48	-26.52	74	52.88	39	13.48	57.88	-	-	P	H
		17160	43.14	-25.06	68.2	48.49	37.96	16.48	59.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	45.85	-28.15	74	51.22	39	13.48	57.85	-	-	P	V
		17160	43.83	-24.37	68.2	48.89	37.96	16.48	59.5	-	-	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 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+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)
802.11n HT20 CH 144 5720MHz		5403.43	47.39	-26.61	74	41.68	33	9.43	36.72	342	151	P	H
		5461.93	45.84	-22.36	68.2	40.1	33	9.46	36.72	342	151	P	H
		5425.27	39.17	-14.83	54	33.45	33	9.44	36.72	342	151	A	H
	*	5720	114.75	-	-	108.08	33.82	9.57	36.72	342	151	P	H
	*	5720	108.62	-	-	101.95	33.82	9.57	36.72	342	151	A	H
		5868.5	52.12	-16.08	68.2	44.89	34.24	9.7	36.71	342	151	P	H
		5433.07	47.46	-26.54	74	41.74	33	9.44	36.72	164	184	P	V
		5465.05	46.09	-22.11	68.2	40.35	33	9.46	36.72	164	184	P	V
		5457.25	39.03	-14.97	54	33.29	33	9.46	36.72	164	184	A	V
	*	5720	110.66	-	-	103.99	33.82	9.57	36.72	164	184	P	V
	*	5720	104.56	-	-	97.89	33.82	9.57	36.72	164	184	A	V
		5896.5	50.41	-17.79	68.2	43.09	34.29	9.74	36.71	164	184	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+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	47.61	-26.39	74	53.01	39	13.48	57.88	-	-	P	H
		17160	45.81	-22.39	68.2	51.16	37.96	16.48	59.79	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 144		11440	47.8	-26.2	74	53.17	39	13.48	57.85	-	-	P	V
5720MHz		17160	45.78	-22.42	68.2	50.84	37.96	16.48	59.5	-	-	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 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 0+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)
802.11n HT40 CH 142 5710MHz		5458.81	47.52	-26.48	74	41.78	33	9.46	36.72	188	117	P	H
		5466.61	47.1	-21.1	68.2	41.36	33	9.46	36.72	188	117	P	H
		5458.81	38.37	-15.63	54	32.63	33	9.46	36.72	188	117	A	H
	*	5710	107.1	-	-	100.49	33.76	9.57	36.72	188	117	P	H
	*	5710	100.13	-	-	93.52	33.76	9.57	36.72	188	117	A	H
		5852	52.72	-15.48	68.2	45.55	34.2	9.68	36.71	188	117	P	H
		5412.79	48.49	-25.51	74	42.77	33	9.44	36.72	284	165	P	V
		5466.22	47.24	-20.96	68.2	41.5	33	9.46	36.72	284	165	P	V
		5459.59	41.3	-12.7	54	35.56	33	9.46	36.72	284	165	A	V
	*	5710	99.67	-	-	93.06	33.76	9.57	36.72	284	165	P	V
	*	5710	94.5	-	-	87.89	33.76	9.57	36.72	284	165	A	V
		5902.75	50.81	-17.39	68.2	43.48	34.29	9.75	36.71	284	165	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+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)
		11420	47.89	-26.11	74	53.31	39	13.47	57.89	-	-	P	H
		17130	46.65	-21.55	68.2	52.02	37.93	16.47	59.77	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 142		11420	47.12	-26.88	74	52.51	39	13.47	57.86	-	-	P	V
5710MHz		17130	46.47	-21.73	68.2	51.55	37.93	16.47	59.48	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5458.03	52.05	-21.95	74	46.31	33	9.46	36.72	229	166	P	H
		5469.34	52.44	-15.76	68.2	46.7	33	9.46	36.72	229	166	P	H
		5459.98	43.62	-10.38	54	37.88	33	9.46	36.72	229	166	A	H
	*	5690	103.56	-	-	97.14	33.58	9.56	36.72	229	166	P	H
802.11ac	*	5690	96.39	-	-	89.97	33.58	9.56	36.72	229	166	A	H
VHT80		5856.7	61.94	-6.26	68.2	54.75	34.21	9.69	36.71	229	166	P	H
CH 138		5438.14	48.48	-25.52	74	42.75	33	9.45	36.72	256	231	P	V
5690MHz		5460.76	47.53	-20.67	68.2	41.79	33	9.46	36.72	256	231	P	V
		5458.81	39.19	-14.81	54	33.45	33	9.46	36.72	256	231	A	V
	*	5690	95.54	-	-	89.12	33.58	9.56	36.72	256	231	P	V
	*	5690	87.89	-	-	81.47	33.58	9.56	36.72	256	231	A	V
		5889.7	53.98	-14.22	68.2	46.68	34.28	9.73	36.71	256	231	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+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	46.86	-27.14	74	52.35	39	13.44	57.93	-	-	P	H
		17070	43.09	-25.11	68.2	48.56	37.84	16.43	59.74	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 138		11380	46.41	-27.59	74	51.87	39	13.44	57.9	-	-	P	V
5690MHz		17070	43.7	-24.5	68.2	48.87	37.84	16.43	59.44	-	-	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 18GHz

WIFI 802.11ax HE20 Partial 26 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		39927.5	49.68	-24.32	74	61.17	44.5	-0.12	55.87	-	-	P	H
		39927.5	39.64	-14.36	54	51.13	44.5	-0.12	55.87	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ax													H
HE20													H
Partial 26		39971	49.4	-24.6	74	60.81	44.5	-0.08	55.83	-	-	P	V
SHF		39971	39.02	-14.98	54	50.43	44.5	-0.08	55.83	-	-	A	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 HE20 Partial 26 (LF @ 3m)

WIFI Ant. 0+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)
		43.58	25.34	-14.66	40	39.52	17.56	0.81	32.55	-	-	P	H
		159.98	27.54	-15.96	43.5	42	16.42	1.57	32.45	-	-	P	H
		184.23	27.85	-15.65	43.5	43.87	14.68	1.78	32.48	-	-	P	H
		314.21	26.67	-19.33	46	37.7	19.25	2.13	32.41	-	-	P	H
		510.15	31.18	-14.82	46	37.03	23.91	2.71	32.47	-	-	P	H
		799.21	29.15	-16.85	46	30.13	27.82	3.44	32.24	-	-	P	H
													H
													H
													H
													H
802.11ax													H
HE20													H
Partial 26		43.58	33.07	-6.93	40	47.25	17.56	0.81	32.55	-	-	P	V
LF		162.89	30.63	-12.87	43.5	45.31	16.17	1.6	32.45	-	-	P	V
		184.23	29.33	-14.17	43.5	45.35	14.68	1.78	32.48	-	-	P	V
		221.09	24.05	-21.95	46	39.51	15.16	1.86	32.48	-	-	P	V
		510.15	32.95	-13.05	46	38.8	23.91	2.71	32.47	-	-	P	V
		757.5	29.65	-16.35	46	30.7	27.88	3.34	32.27	-	-	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.

Test Engineer :	Yuan Lee, Fu Chen and Troye Hsieh	Temperature :	19.8~21.8°C
		Relative Humidity :	57.2~68.8%

Band 4 - 5725~5850MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 149 5745MHz		5606.2	52.51	-15.69	68.2	41.65	33	11.49	33.63	279	181	P	H
		5698.4	55.9	-48.12	104.02	44.68	33.39	11.47	33.64	279	181	P	H
		5718.6	67.94	-42.47	110.41	56.65	33.47	11.46	33.64	279	181	P	H
		5725	72.93	-49.27	122.2	61.61	33.5	11.46	33.64	279	181	P	H
	*	5745	113.33	-	-	101.94	33.58	11.45	33.64	279	181	P	H
	*	5745	107.03	-	-	95.64	33.58	11.45	33.64	279	181	A	H
													H
													H
		5646.4	53.08	-15.12	68.2	42.23	33	11.48	33.63	141	158	P	V
		5699.2	59.23	-45.38	104.61	48.01	33.39	11.47	33.64	141	158	P	V
		5716.4	68.08	-41.71	109.79	56.79	33.47	11.46	33.64	141	158	P	V
		5725	73.23	-48.97	122.2	61.91	33.5	11.46	33.64	141	158	P	V
	*	5745	114.74	-	-	103.35	33.58	11.45	33.64	141	158	P	V
	*	5745	108.5	-	-	97.11	33.58	11.45	33.64	141	158	A	V
													V
													V

WIFI Ant. 0+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)
		5639.25	52.31	-15.89	68.2	41.46	33	11.48	33.63	279	182	P	H
		5668.5	51.48	-30.45	81.93	40.49	33.15	11.47	33.63	279	182	P	H
		5716.25	53.21	-56.54	109.75	41.92	33.47	11.46	33.64	279	182	P	H
		5721	53.42	-59.66	113.08	42.12	33.48	11.46	33.64	279	182	P	H
	*	5785	113.09	-	-	101.48	33.81	11.44	33.64	279	182	P	H
	*	5785	106.39	-	-	94.78	33.81	11.44	33.64	279	182	A	H
		5855	52.35	-58.45	110.8	40.61	34.13	11.26	33.65	279	182	P	H
		5865.25	53.58	-54.35	107.93	41.82	34.19	11.22	33.65	279	182	P	H
		5889.5	52.9	-41.54	94.44	41.07	34.34	11.14	33.65	279	182	P	H
		5942	52.76	-15.44	68.2	41.13	34.32	10.97	33.66	279	182	P	H
													H
802.11a CH 157 5785MHz													H
		5648.25	51.63	-16.57	68.2	40.78	33	11.48	33.63	149	162	P	V
		5696.5	52.3	-50.32	102.62	41.1	33.37	11.47	33.64	149	162	P	V
		5716	53.68	-56	109.68	42.4	33.46	11.46	33.64	149	162	P	V
		5722.5	54.82	-61.68	116.5	43.51	33.49	11.46	33.64	149	162	P	V
	*	5785	114.27	-	-	102.66	33.81	11.44	33.64	149	162	P	V
	*	5785	108.16	-	-	96.55	33.81	11.44	33.64	149	162	A	V
		5851.25	54.92	-64.43	119.35	43.19	34.11	11.27	33.65	149	162	P	V
		5863	54.48	-54.08	108.56	42.72	34.18	11.23	33.65	149	162	P	V
		5898.25	53.04	-34.92	87.96	41.18	34.39	11.12	33.65	149	162	P	V
		5936.75	53.53	-14.67	68.2	41.86	34.33	10.99	33.65	149	162	P	V
													V
													V

WIFI Ant. 0+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)
	*	5825	111.02	-	-	99.31	34	11.36	33.65	253	186	P	H
	*	5825	104.91	-	-	93.2	34	11.36	33.65	253	186	A	H
		5850.2	60.85	-60.89	121.74	49.13	34.1	11.27	33.65	253	186	P	H
		5856.4	59.83	-50.58	110.41	48.09	34.14	11.25	33.65	253	186	P	H
		5885.2	54.6	-43.03	97.63	42.78	34.31	11.16	33.65	253	186	P	H
		5939	52.27	-15.93	68.2	40.63	34.32	10.98	33.66	253	186	P	H
													H
802.11a													H
CH 165	*	5825	116.1	-	-	104.39	34	11.36	33.65	143	162	P	V
5825MHz	*	5825	108.54	-	-	96.83	34	11.36	33.65	143	162	A	V
		5850	66.52	-55.68	122.2	54.8	34.1	11.27	33.65	143	162	P	V
		5855.4	66.66	-44.03	110.69	54.92	34.13	11.26	33.65	143	162	P	V
		5883.8	55.52	-43.15	98.67	43.71	34.3	11.16	33.65	143	162	P	V
		5928.2	53.6	-14.6	68.2	41.89	34.34	11.02	33.65	143	162	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 4 5725~5850MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+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 149 5745MHz		11490	52.03	-21.97	74	56.9	39.1	17.67	61.64	300	122	P	H
		11490	42.03	-11.97	54	46.9	39.1	17.67	61.64	300	122	A	H
		17235	44.99	-23.21	68.2	42.62	38.13	22.14	57.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11490	53.48	-20.52	74	58.35	39.1	17.67	61.64	113	122	P	V
		11490	43.21	-10.79	54	48.08	39.1	17.67	61.64	113	122	A	V
		17235	45.2	-23	68.2	42.83	38.13	22.14	57.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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)
		11570	47.05	-26.95	74	52.3	38.82	17.71	61.78	-	-	P	H
		17355	45.54	-22.66	68.2	42.49	38.31	22.25	57.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 157 5785MHz													H
		11570	47.25	-26.75	74	52.5	38.82	17.71	61.78	-	-	P	V
		17355	45.11	-23.09	68.2	42.06	38.31	22.25	57.51	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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)
		11650	47.15	-26.85	74	52.64	38.7	17.74	61.93	-	-	P	H
		17475	45.45	-22.75	68.2	41.73	38.47	22.37	57.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 165 5825MHz													H
		11650	46.97	-27.03	74	52.46	38.7	17.74	61.93	-	-	P	V
		17475	46.26	-21.94	68.2	42.54	38.47	22.37	57.12	-	-	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 4 5725~5850MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5642.2	52.24	-15.96	68.2	41.26	33	11.48	33.5	200	245	P	H
		5690.8	55.08	-43.34	98.42	43.79	33.33	11.47	33.51	200	245	P	H
		5718.6	68.44	-41.97	110.41	57.03	33.47	11.46	33.52	200	245	P	H
		5724.8	70.11	-51.63	121.74	58.67	33.5	11.46	33.52	200	245	P	H
	*	5745	111.64	-	-	100.13	33.58	11.45	33.52	200	245	P	H
	*	5745	105.46	-	-	93.95	33.58	11.45	33.52	200	245	A	H
802.11n													H
HT20													H
CH 149		5643.6	52.57	-15.63	68.2	41.59	33	11.48	33.5	100	155	P	V
5745MHz		5698.4	57.25	-46.77	104.02	45.9	33.39	11.47	33.51	100	155	P	V
		5718	69.39	-40.85	110.24	57.98	33.47	11.46	33.52	100	155	P	V
		5723.2	71.81	-46.29	118.1	60.38	33.49	11.46	33.52	100	155	P	V
	*	5745	113.85	-	-	102.34	33.58	11.45	33.52	100	155	P	V
	*	5745	106.69	-	-	95.18	33.58	11.45	33.52	100	155	A	V
													V
													V

WIFI Ant. 10+22	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)
		5601.75	52.11	-16.09	68.2	41.11	33	11.49	33.49	200	245	P	H
		5697.25	52.91	-50.26	103.17	41.57	33.38	11.47	33.51	200	245	P	H
		5707.5	53.54	-53.76	107.3	42.16	33.43	11.46	33.51	200	245	P	H
		5724	53.7	-66.22	119.92	42.26	33.5	11.46	33.52	200	245	P	H
	*	5785	111.28	-	-	99.56	33.81	11.44	33.53	200	245	P	H
	*	5785	104.55	-	-	92.83	33.81	11.44	33.53	200	245	A	H
		5851.5	53.29	-65.49	118.78	41.46	34.11	11.27	33.55	200	245	P	H
		5864.5	53.9	-54.24	108.14	42.03	34.19	11.23	33.55	200	245	P	H
		5880.25	53.36	-47.94	101.3	41.46	34.28	11.18	33.56	200	245	P	H
		5931.25	52.19	-16.01	68.2	40.41	34.34	11.01	33.57	200	245	P	H
802.11n													H
HT20													H
CH 157		5645	51.73	-16.47	68.2	40.75	33	11.48	33.5	100	158	P	V
5785MHz		5696.25	52.89	-49.55	102.44	41.56	33.37	11.47	33.51	100	158	P	V
		5719.5	55.04	-55.62	110.66	43.62	33.48	11.46	33.52	100	158	P	V
		5723.75	53.86	-65.49	119.35	42.43	33.49	11.46	33.52	100	158	P	V
	*	5785	113.25	-	-	101.53	33.81	11.44	33.53	100	158	P	V
	*	5785	106.27	-	-	94.55	33.81	11.44	33.53	100	158	A	V
		5850	54.71	-67.49	122.2	42.89	34.1	11.27	33.55	100	158	P	V
		5866.25	54.7	-52.95	107.65	42.84	34.2	11.22	33.56	100	158	P	V
		5920.25	53.25	-18.45	71.7	41.42	34.36	11.04	33.57	100	158	P	V
		5925.75	52.66	-15.54	68.2	40.85	34.35	11.03	33.57	100	158	P	V
													V
													V

WIFI Ant. 0+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)
	*	5825	111.37	-	-	99.55	34	11.36	33.54	204	251	P	H
	*	5825	104.13	-	-	92.31	34	11.36	33.54	204	251	A	H
		5852.4	63.37	-53.36	116.73	51.54	34.11	11.27	33.55	204	251	P	H
		5859.4	60.19	-49.38	109.57	48.34	34.16	11.24	33.55	204	251	P	H
		5879.4	54.28	-47.65	101.93	42.38	34.28	11.18	33.56	204	251	P	H
		5942.4	51.73	-16.47	68.2	40.02	34.32	10.97	33.58	204	251	P	H
802.11n													H
HT20													H
CH 165	*	5825	112.66	-	-	100.84	34	11.36	33.54	124	156	P	V
5825MHz	*	5825	106.03	-	-	94.21	34	11.36	33.54	124	156	A	V
		5852.8	67.99	-47.83	115.82	56.15	34.12	11.27	33.55	124	156	P	V
		5858.8	61.2	-48.53	109.73	49.35	34.15	11.25	33.55	124	156	P	V
		5877.2	56.63	-46.94	103.57	44.74	34.26	11.19	33.56	124	156	P	V
		5930	53.41	-14.79	68.2	41.63	34.34	11.01	33.57	124	156	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+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)
		11490	50.74	-23.26	74	55.61	39.1	17.67	61.64	284	123	P	H
		11490	41.65	-12.35	54	46.52	39.1	17.67	61.64	284	123	A	H
		17235	45.39	-22.81	68.2	43.02	38.13	22.14	57.9	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 149		11490	52.59	-21.41	74	57.46	39.1	17.67	61.64	107	123	P	V
5745MHz		11490	42.61	-11.39	54	47.48	39.1	17.67	61.64	107	123	A	V
		17235	46.39	-21.81	68.2	44.02	38.13	22.14	57.9	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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)
		11570	45.8	-28.2	74	51.05	38.82	17.71	61.78	-	-	P	H
		17355	44.47	-23.73	68.2	41.42	38.31	22.25	57.51	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 157		11570	47.32	-26.68	74	52.57	38.82	17.71	61.78	-	-	P	V
5785MHz		17355	44.98	-23.22	68.2	41.93	38.31	22.25	57.51	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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)
		11650	46.4	-27.6	74	51.89	38.7	17.74	61.93	-	-	P	H
		17475	46.04	-22.16	68.2	42.32	38.47	22.37	57.12	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 165		11650	47.55	-26.45	74	53.04	38.7	17.74	61.93	-	-	P	V
5825MHz		17475	46.34	-21.86	68.2	42.62	38.47	22.37	57.12	-	-	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 4 5725~5850MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5648.5	53.27	-14.93	68.2	42.29	33	11.48	33.5	200	247	P	H
		5698.25	57.39	-46.52	103.91	46.04	33.39	11.47	33.51	200	247	P	H
		5718.75	72.6	-37.85	110.45	61.19	33.47	11.46	33.52	200	247	P	H
		5724.25	71.44	-49.05	120.49	60	33.5	11.46	33.52	200	247	P	H
	*	5755	105.26	-	-	93.71	33.63	11.45	33.53	200	247	P	H
	*	5755	96.74	-	-	85.19	33.63	11.45	33.53	200	247	A	H
		5851.75	53.34	-64.87	118.21	41.51	34.11	11.27	33.55	200	247	P	H
		5862.75	53.44	-55.19	108.63	41.58	34.18	11.23	33.55	200	247	P	H
		5877.25	52.62	-50.91	103.53	40.73	34.26	11.19	33.56	200	247	P	H
		5945.25	52.37	-15.83	68.2	40.68	34.31	10.96	33.58	200	247	P	H
802.11n													H
HT40													H
CH 151		5629	53.65	-14.55	68.2	42.66	33	11.48	33.49	108	154	P	V
5755MHz		5695	58.88	-42.63	101.51	47.56	33.36	11.47	33.51	108	154	P	V
		5714.75	73.69	-35.64	109.33	62.29	33.46	11.46	33.52	108	154	P	V
		5723	71.66	-45.98	117.64	60.23	33.49	11.46	33.52	108	154	P	V
	*	5755	107.21	-	-	95.66	33.63	11.45	33.53	108	154	P	V
	*	5755	98.52	-	-	86.97	33.63	11.45	33.53	108	154	A	V
		5853.75	55.16	-58.49	113.65	43.33	34.12	11.26	33.55	108	154	P	V
		5855.25	54.13	-56.6	110.73	42.29	34.13	11.26	33.55	108	154	P	V
		5911.5	54.01	-24.15	78.16	42.13	34.38	11.07	33.57	108	154	P	V
		5938.75	53.74	-14.46	68.2	42.01	34.32	10.98	33.57	108	154	P	V
													V
													V

WIFI Ant. 0+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)
		5640.25	51.52	-16.68	68.2	40.54	33	11.48	33.5	207	246	P	H
		5655.75	52.67	-19.8	72.47	41.64	33.05	11.48	33.5	207	246	P	H
		5720	54.34	-56.46	110.8	42.92	33.48	11.46	33.52	207	246	P	H
		5725	56.01	-66.19	122.2	44.57	33.5	11.46	33.52	207	246	P	H
	*	5795	105.28	-	-	93.51	33.87	11.44	33.54	207	246	P	H
	*	5795	96.41	-	-	84.64	33.87	11.44	33.54	207	246	A	H
		5853.25	53.42	-61.37	114.79	41.59	34.12	11.26	33.55	207	246	P	H
		5862.75	53.78	-54.85	108.63	41.92	34.18	11.23	33.55	207	246	P	H
		5883	53.25	-46.01	99.26	41.34	34.3	11.17	33.56	207	246	P	H
		5934	52.49	-15.71	68.2	40.73	34.33	11	33.57	207	246	P	H
802.11n													H
HT40													H
CH 159		5625.5	51.93	-16.27	68.2	40.94	33	11.48	33.49	106	155	P	V
5795MHz		5697.75	52.66	-50.88	103.54	41.32	33.38	11.47	33.51	106	155	P	V
		5719	54.67	-55.85	110.52	43.25	33.48	11.46	33.52	106	155	P	V
		5725	55.15	-67.05	122.2	43.71	33.5	11.46	33.52	106	155	P	V
	*	5795	106.37	-	-	94.6	33.87	11.44	33.54	106	155	P	V
	*	5795	97.99	-	-	86.22	33.87	11.44	33.54	106	155	A	V
		5850.5	55.37	-65.69	121.06	43.55	34.1	11.27	33.55	106	155	P	V
		5859.75	55.27	-54.2	109.47	43.42	34.16	11.24	33.55	106	155	P	V
		5892.5	54.23	-37.98	92.21	42.31	34.35	11.13	33.56	106	155	P	V
		5928.75	52.01	-16.19	68.2	40.22	34.34	11.02	33.57	106	155	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+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)
		11510	46.01	-27.99	74	50.95	39.06	17.67	61.67	-	-	P	H
		17265	45.85	-22.35	68.2	43.32	38.17	22.17	57.81	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 151		11510	45.79	-28.21	74	50.73	39.06	17.67	61.67	-	-	P	V
5755MHz		17265	45.32	-22.88	68.2	42.79	38.17	22.17	57.81	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 0+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)
		11590	45.94	-28.06	74	51.3	38.74	17.72	61.82	-	-	P	H
		17385	45.16	-23.04	68.2	41.92	38.37	22.28	57.41	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 159		11590	45.59	-28.41	74	50.95	38.74	17.72	61.82	-	-	P	V
5795MHz		17385	45.22	-22.98	68.2	41.98	38.37	22.28	57.41	-	-	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 4 5725~5850MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 0+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)
		5645.5	65.95	-2.25	68.2	54.97	33	11.48	33.5	200	248	P	H
		5695.5	69.77	-32.11	101.88	58.45	33.36	11.47	33.51	200	248	P	H
		5709	69.96	-37.76	107.72	58.57	33.44	11.46	33.51	200	248	P	H
		5724.75	71.47	-50.16	121.63	60.03	33.5	11.46	33.52	200	248	P	H
	*	5775	102.88	-	-	91.21	33.75	11.45	33.53	200	248	P	H
	*	5775	94.86	-	-	83.19	33.75	11.45	33.53	200	248	A	H
		5850	65.48	-56.72	122.2	53.66	34.1	11.27	33.55	200	248	P	H
		5868.5	64.93	-42.09	107.02	53.07	34.21	11.21	33.56	200	248	P	H
		5880.75	61.51	-39.42	100.93	49.62	34.28	11.17	33.56	200	248	P	H
		5929	58.1	-10.1	68.2	46.32	34.34	11.01	33.57	200	248	P	H
802.11ac													H
VHT80													H
CH 155		5639.75	64.87	-3.33	68.2	53.89	33	11.48	33.5	128	153	P	V
5775MHz		5697.75	71.71	-31.83	103.54	60.37	33.38	11.47	33.51	128	153	P	V
		5719.5	73.27	-37.39	110.66	61.85	33.48	11.46	33.52	128	153	P	V
		5723.25	74.39	-43.82	118.21	62.96	33.49	11.46	33.52	128	153	P	V
	*	5775	104.19	-	-	92.52	33.75	11.45	33.53	128	153	P	V
	*	5775	96.17	-	-	84.5	33.75	11.45	33.53	128	153	A	V
		5851.5	67.92	-50.86	118.78	56.09	34.11	11.27	33.55	128	153	P	V
		5856.75	67.88	-42.43	110.31	56.04	34.14	11.25	33.55	128	153	P	V
		5883	64.1	-35.16	99.26	52.19	34.3	11.17	33.56	128	153	P	V
		5925.75	60.29	-7.91	68.2	48.48	34.35	11.03	33.57	128	153	P	V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.

Band 4 5725~5850MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+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)
		11550	46.38	-27.62	74	51.52	38.9	17.7	61.74	-	-	P	H
		17325	45.27	-22.93	68.2	42.4	38.25	22.23	57.61	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
i802.11ac													H
VHT80													H
CH 155		11550	45.38	-28.62	74	50.52	38.9	17.7	61.74	-	-	P	V
5775MHz		17325	45.72	-22.48	68.2	42.85	38.25	22.23	57.61	-	-	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 18GHz

5GHz WIFI 802.11ac VHT80 (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		34258	43.5	-24.7	68.2	61.62	41.23	-1.19	58.16	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		35996	43.28	-24.92	68.2	59.71	43.19	-0.92	58.7	-	-	P	V
SHF													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

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant. 0+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)
		30	27.46	-12.54	40	34.93	23.92	0.97	32.36	-	-	P	H
		53.28	25	-15	40	43.76	12.63	1.09	32.48	-	-	P	H
		110.51	24.55	-18.95	43.5	38.51	16.79	1.65	32.4	-	-	P	H
		765.26	32.07	-13.93	46	32.04	27.73	4.26	31.96	-	-	P	H
		876.81	32.38	-13.62	46	30.61	28.57	4.55	31.35	-	-	P	H
		957.32	33.9	-12.1	46	29.4	30.54	4.81	30.85	-	-	P	H
													H
													H
													H
													H
													H
5GHz 802.11ac VHT80 LF													H
		41.64	30.87	-9.13	40	43.96	18.38	0.97	32.44	-	-	P	V
		53.28	30.87	-9.13	40	49.63	12.63	1.09	32.48	-	-	P	V
		123.12	25.62	-17.88	43.5	38.89	17.37	1.77	32.41	-	-	P	V
		510.15	33.42	-12.58	46	38.4	23.76	3.48	32.22	-	-	P	V
		948.59	32.97	-13.03	46	28.97	30.1	4.8	30.9	-	-	P	V
		977.69	33.37	-20.63	54	28.82	30.41	4.85	30.71	-	-	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 **Margin** 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.	
4+3		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 44 5220MHz		5133.9	54.26	-19.74	74	39.75	33	10.96	29.45	100	117	P	H
		5150	42.52	-11.48	54	28.02	33	10.96	29.46	100	117	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 @ 5133.9MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 33.00(dB/m) + 10.96(dB) + 39.75(dBμV) – 29.45 (dB)

= 54.26 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 54.26(dBμV/m) – 74(dBμV/m)

= -19.74(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 33.00(dB/m) + 10.96(dB) + 28.02(dBμV) – 29.46 (dB)

= 42.52 (dBμV/m)

2. Margin(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 42.52(dBμV/m) – 54(dBμV/m)

= -11.48(dB)

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

Appendix D. Radiated Spurious Emission Plots

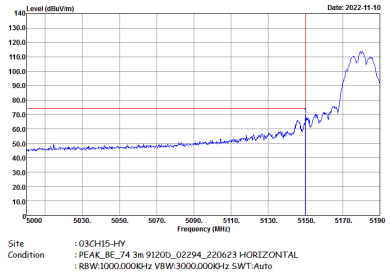
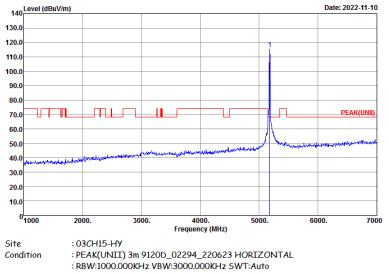
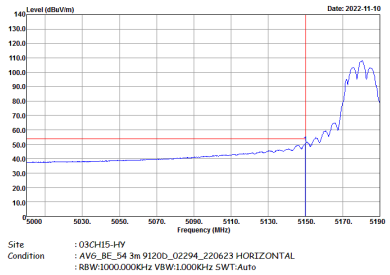
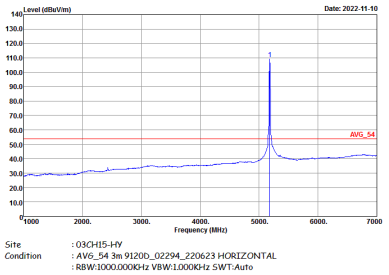
Test Engineer :	Eric Xiao, Bigshow Wang and Quentin Liu	**Temperature :**	21.1~23.1°C
		Relative Humidity :	49~58%

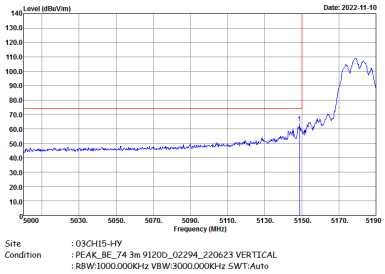
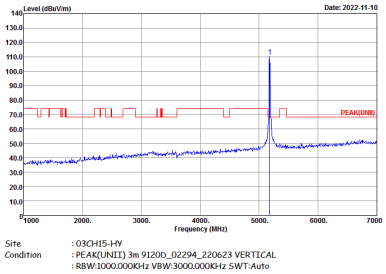
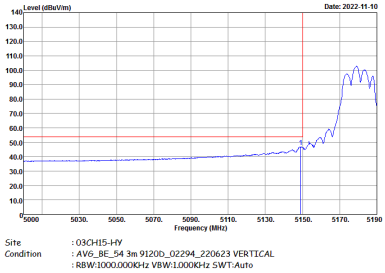
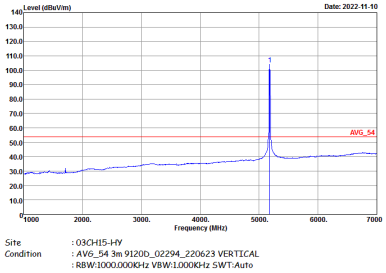
Note symbol

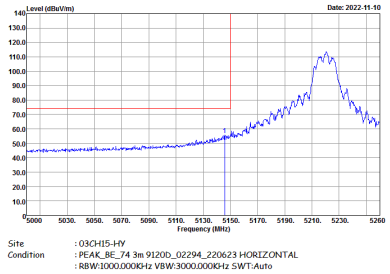
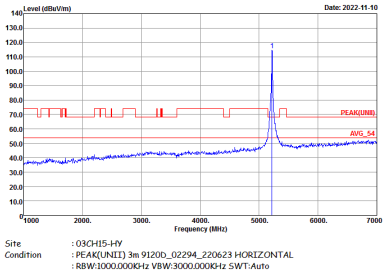
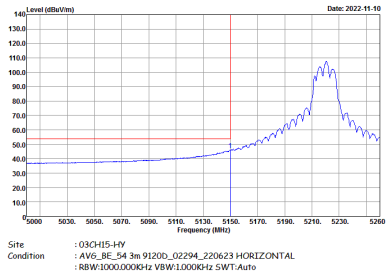
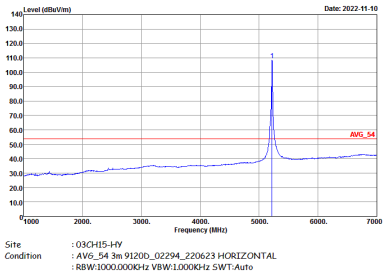
-L	**Low channel location**
-R	**High channel location**

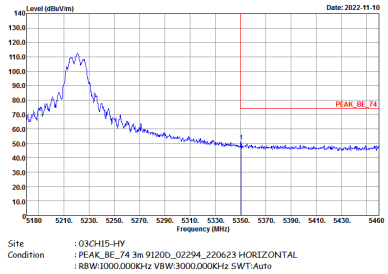
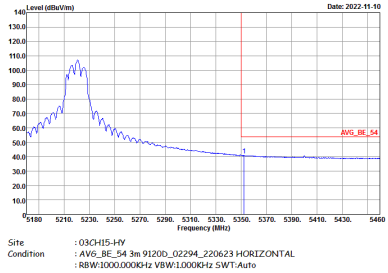
Band 1 - 5150~5250MHz

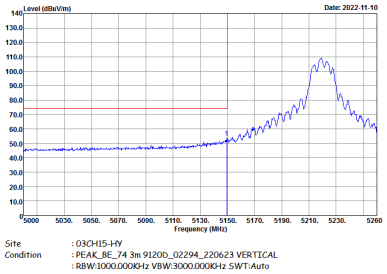
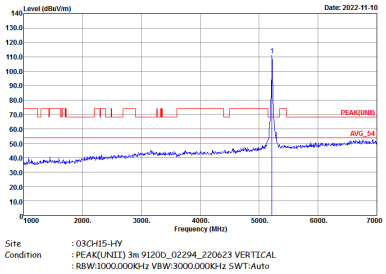
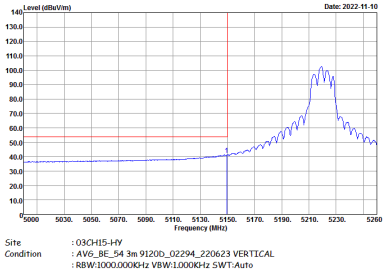
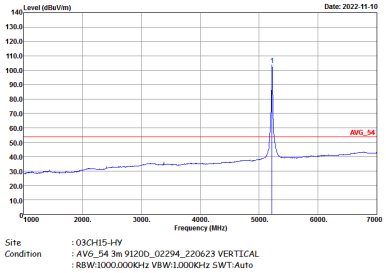
WIFI 802.11a (Band Edge @ 3m)

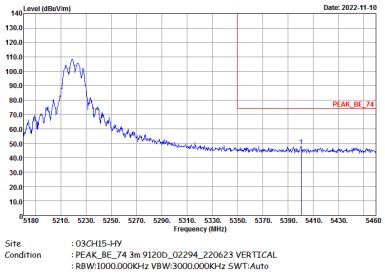
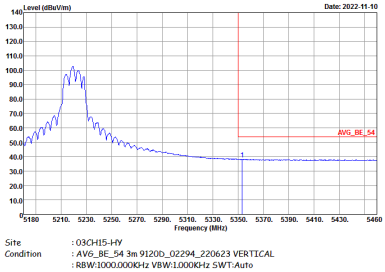
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+2	Horizontal	Fundamental
Peak		
Avg.		

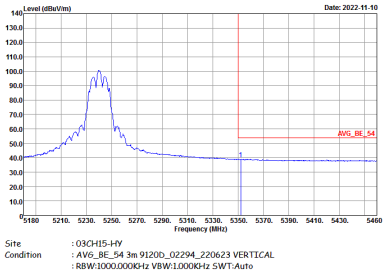
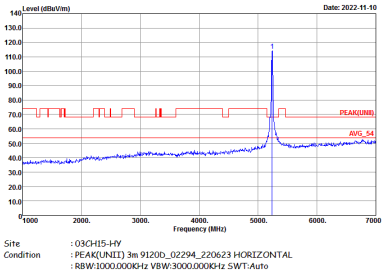
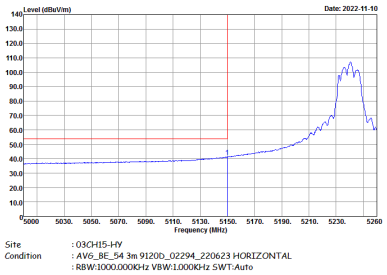
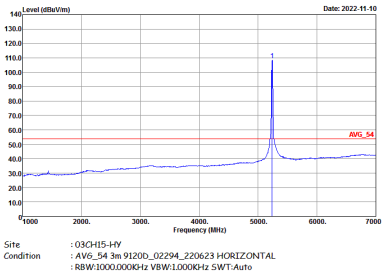
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+2	Vertical	Fundamental
Peak		
Avg.		

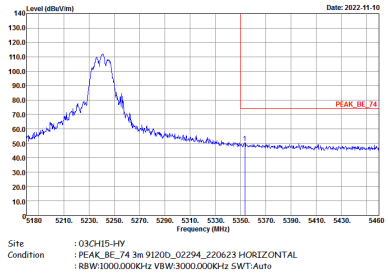
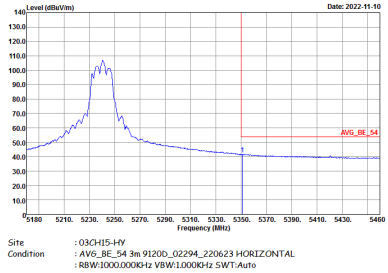
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+2	Horizontal	Fundamental
Peak		
Avg.		

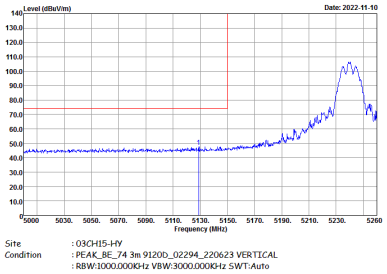
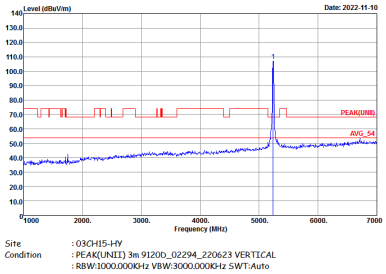
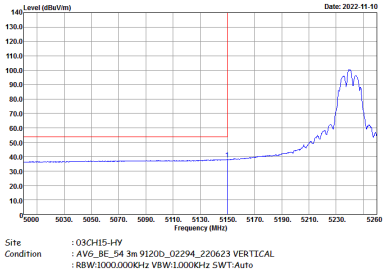
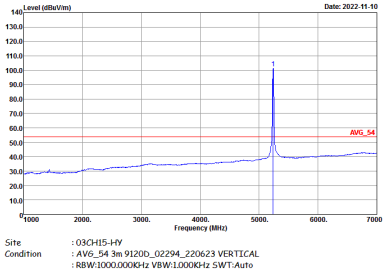
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

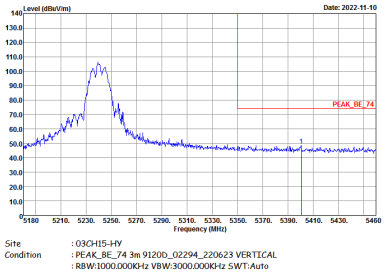
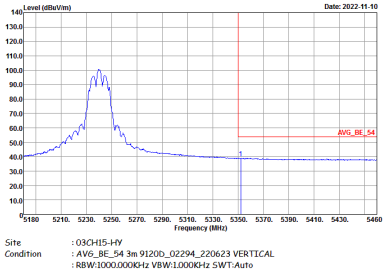
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

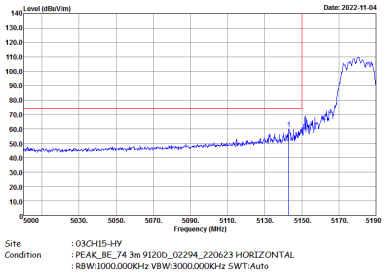
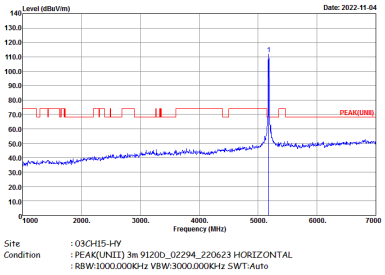
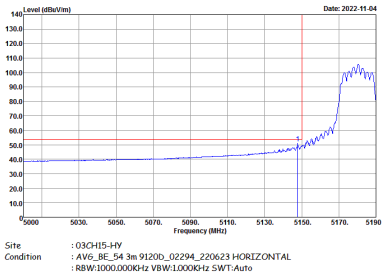
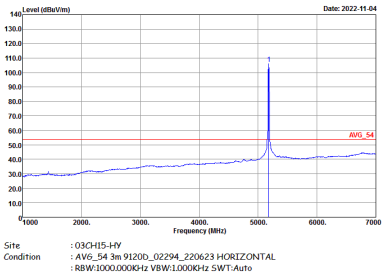
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

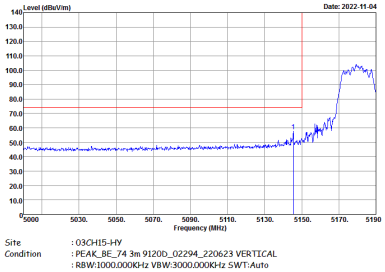
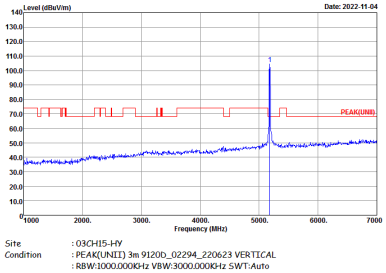
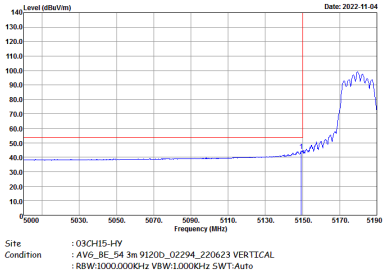
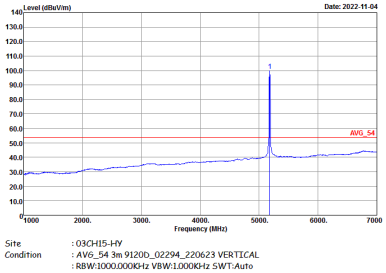
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

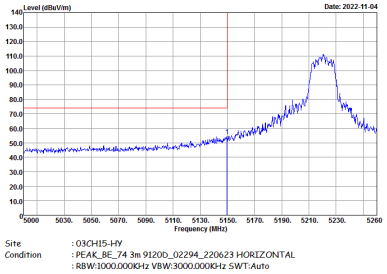
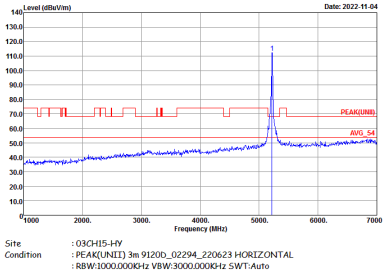
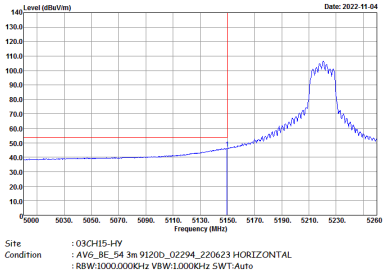
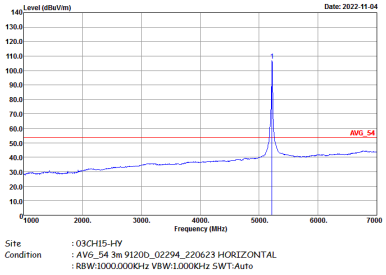
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+2	Vertical	Fundamental
Peak		
Avg.		

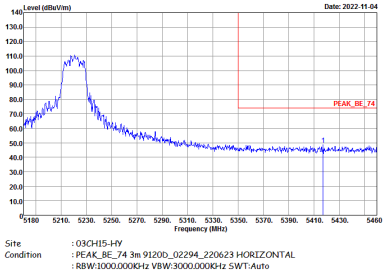
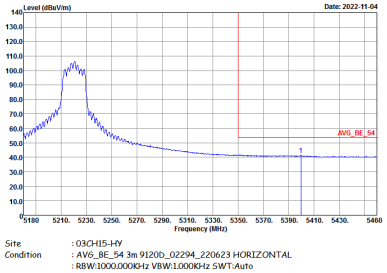
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

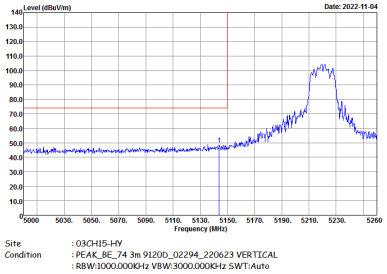
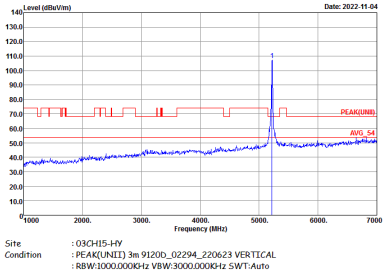
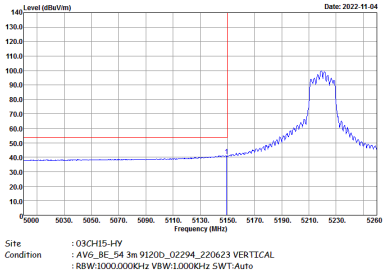
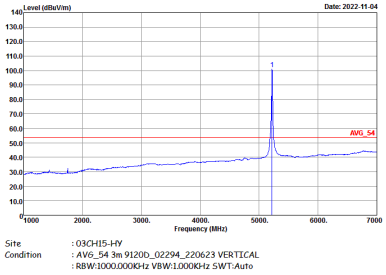
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

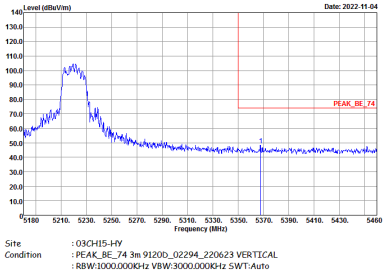
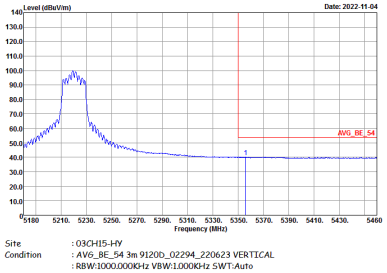
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+2	Horizontal	Fundamental
Peak		
Avg.		

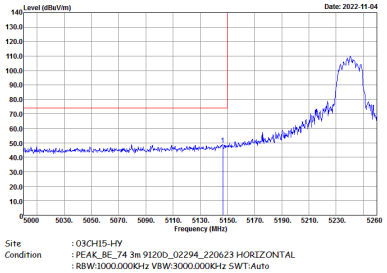
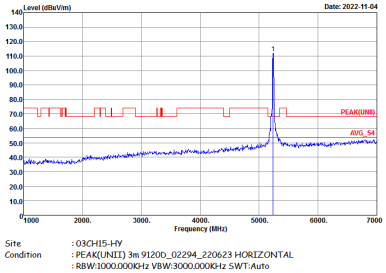
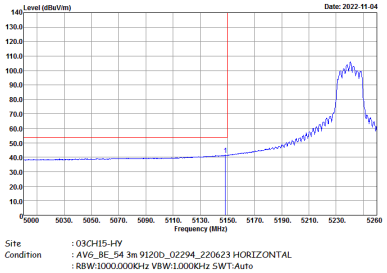
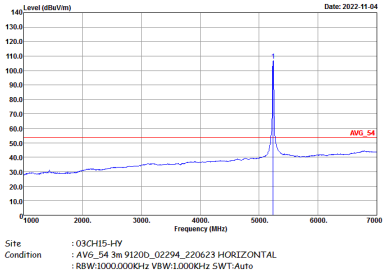
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+2	Vertical	Fundamental
Peak		
Avg.		

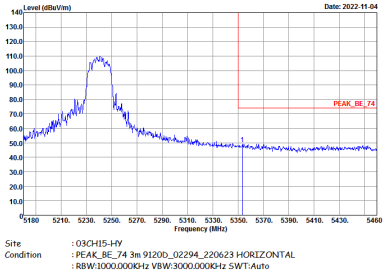
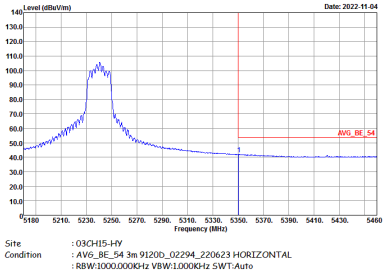
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
0+2	Horizontal	Fundamental
Peak		
Avg.		

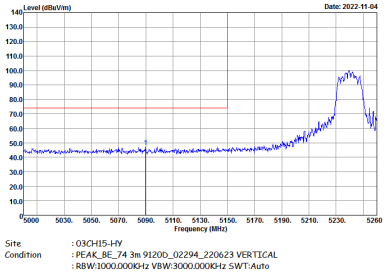
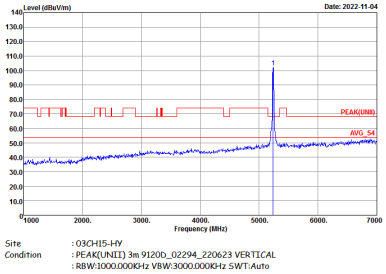
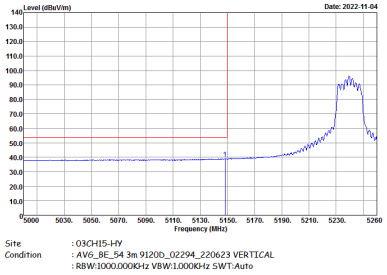
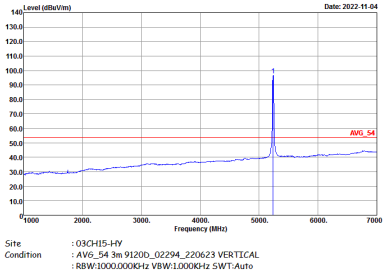
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

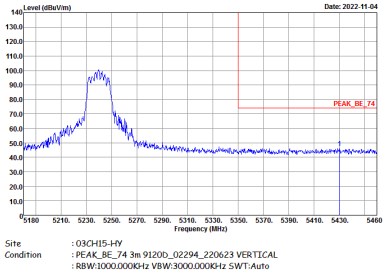
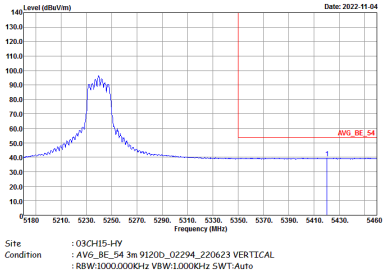
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
0+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

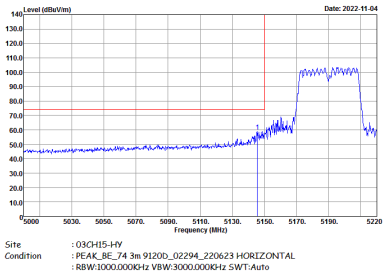
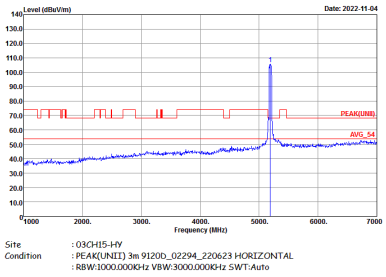
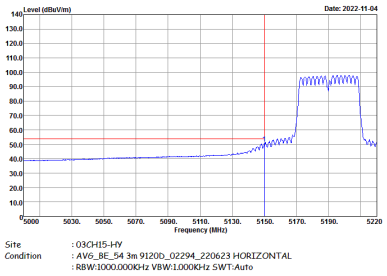
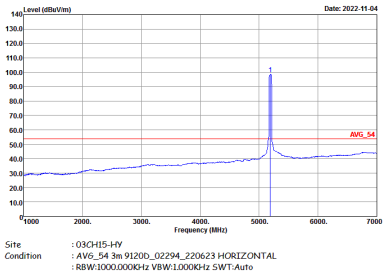
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
0+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

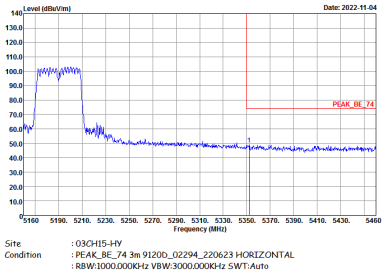
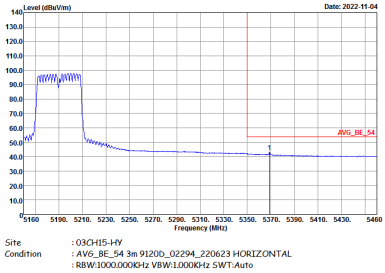
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

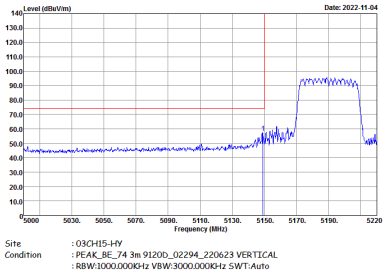
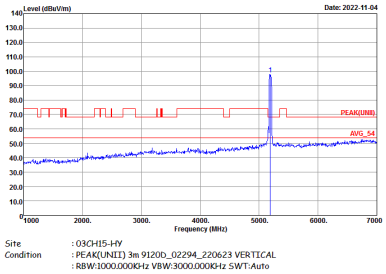
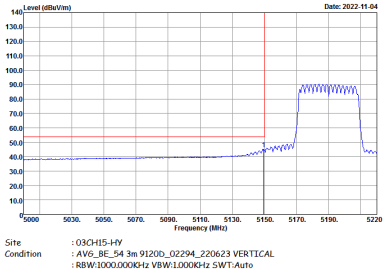
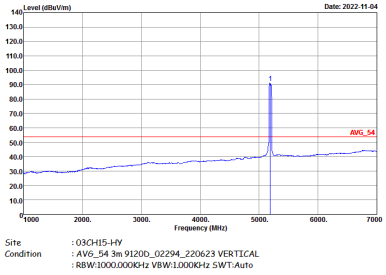
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
0+2	Vertical	Fundamental
Peak		
Avg.		

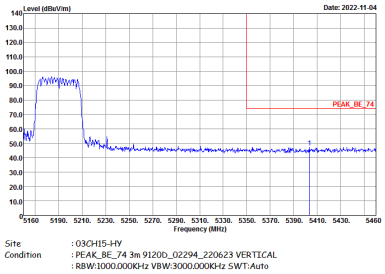
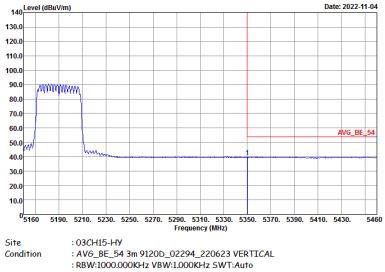
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

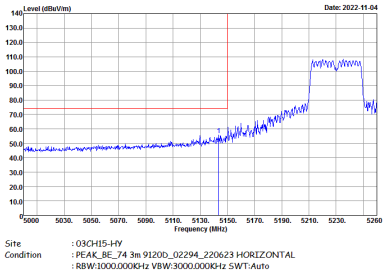
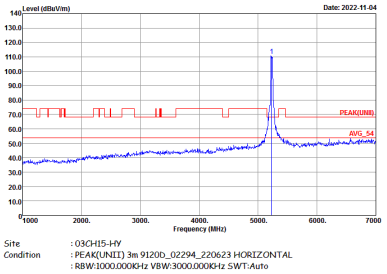
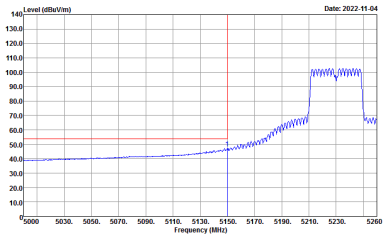
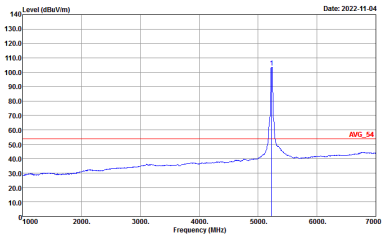
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

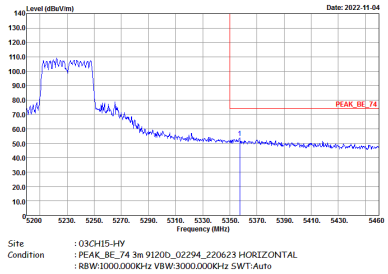
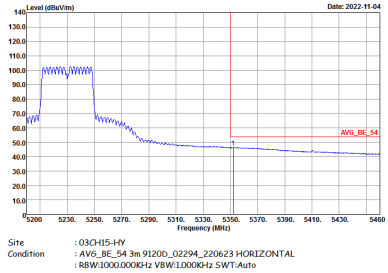
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
0+2	Horizontal	Fundamental
Peak		
Avg.		

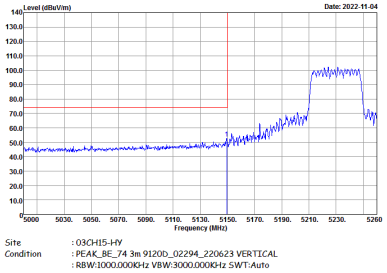
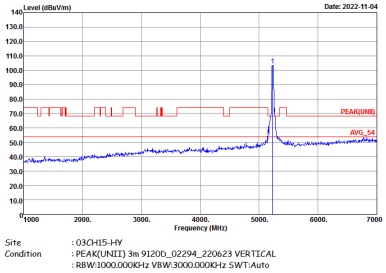
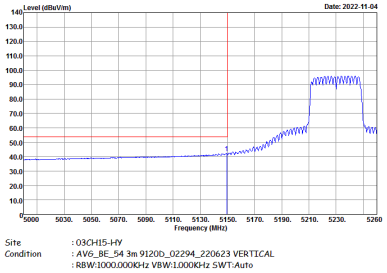
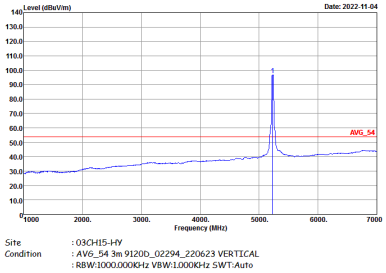
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

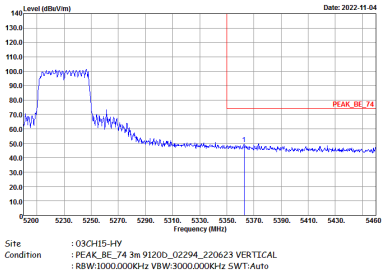
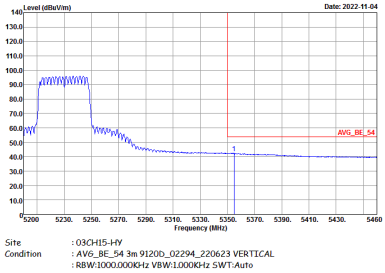
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
0+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

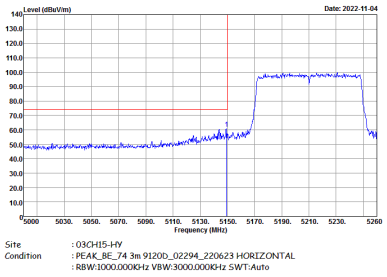
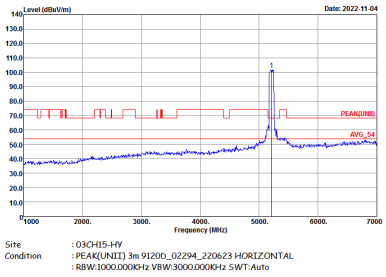
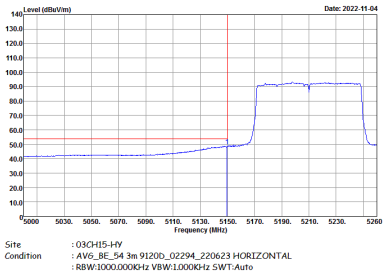
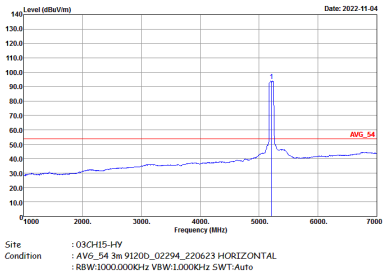
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
0+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

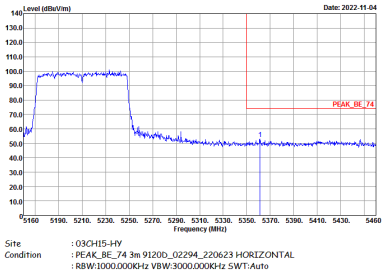
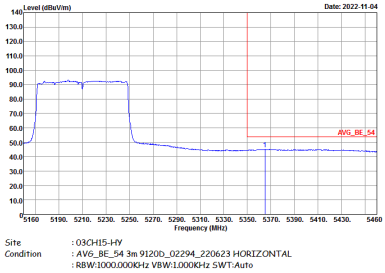
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

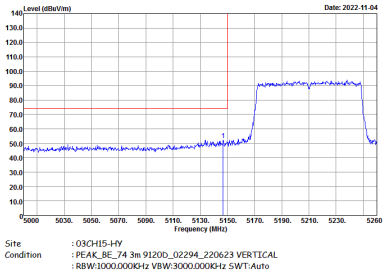
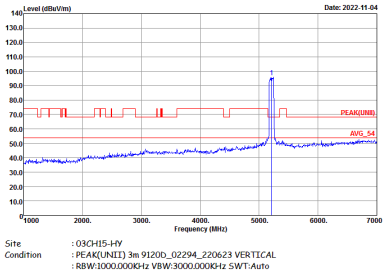
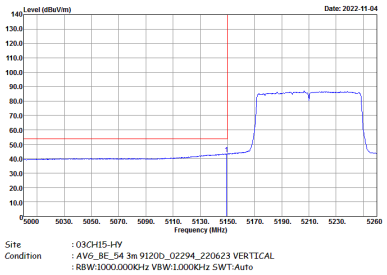
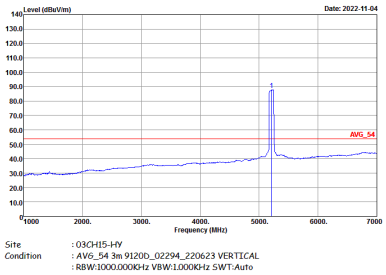
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
0+2	Vertical	Fundamental
Peak		
Avg.		

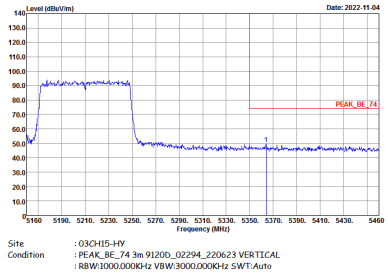
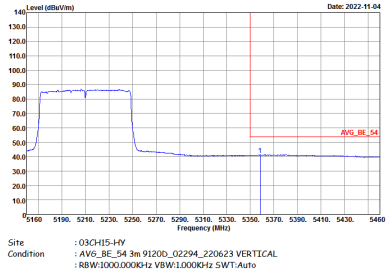
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+2	Horizontal	Fundamental
Peak		
Avg.		

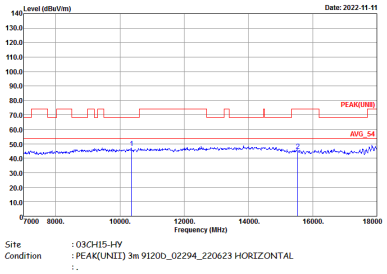
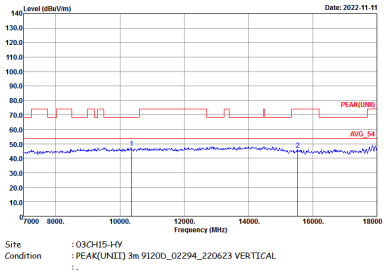
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

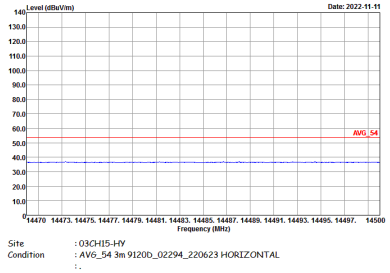
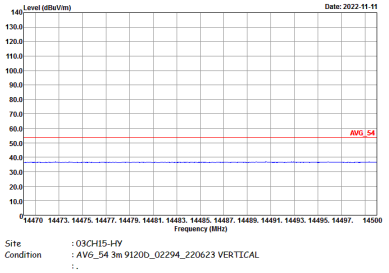
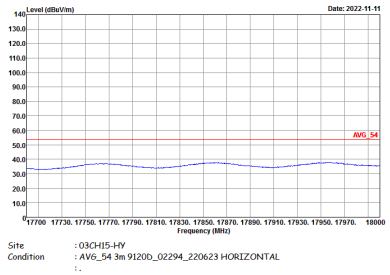
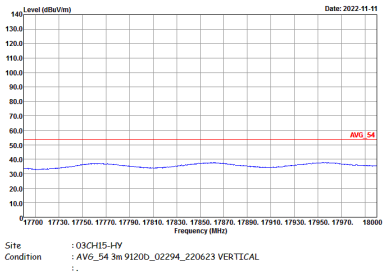
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+2	Vertical	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

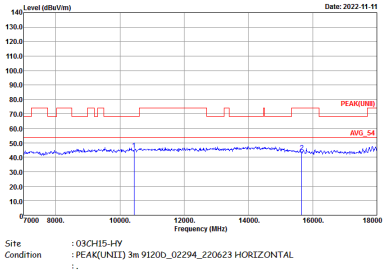
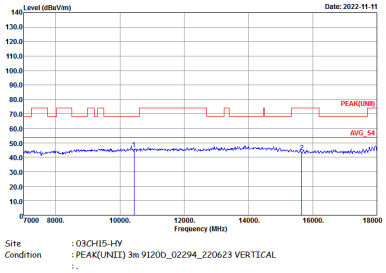
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

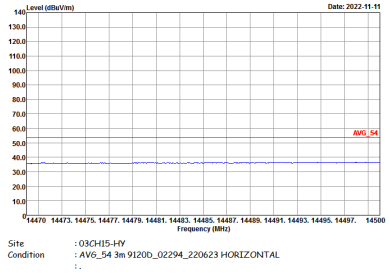
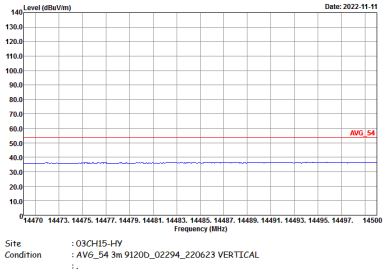
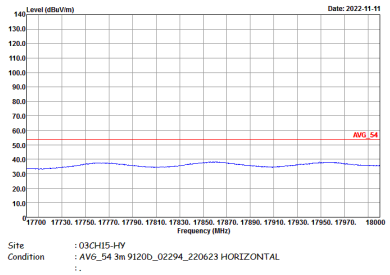
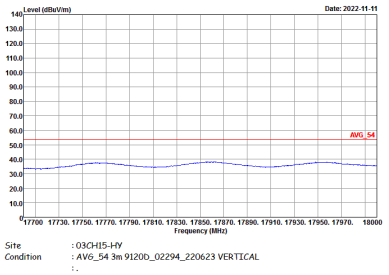
Band 1 - 5150~5250MHz

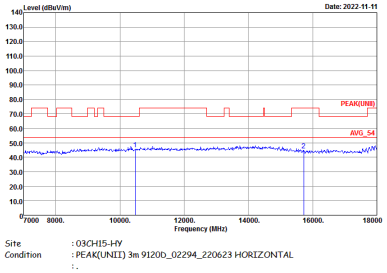
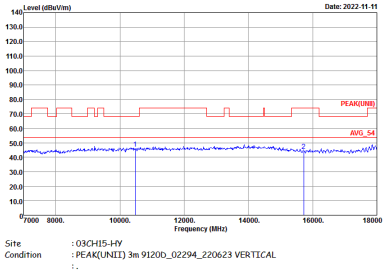
WIFI 802.11a (Harmonic @ 3m)

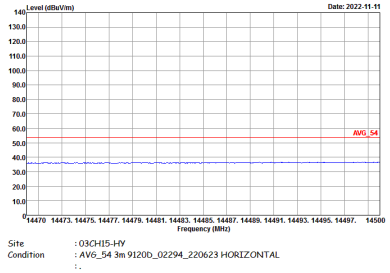
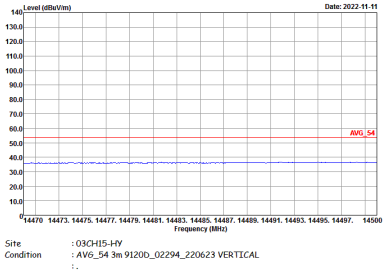
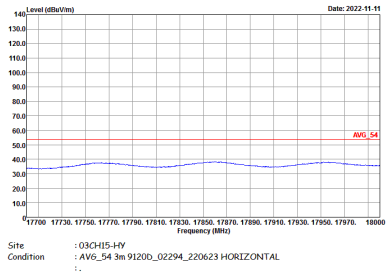
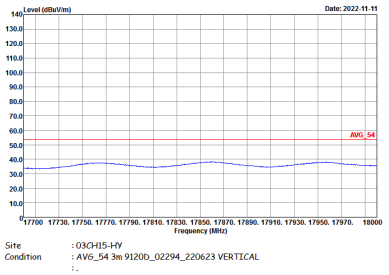
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

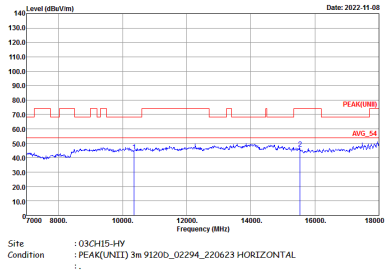
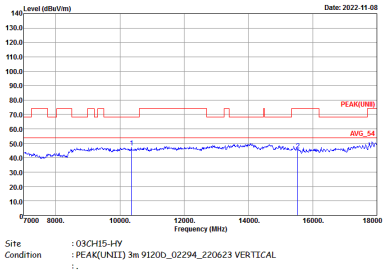
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+2	Horizontal	Vertical
Peak Avg.		

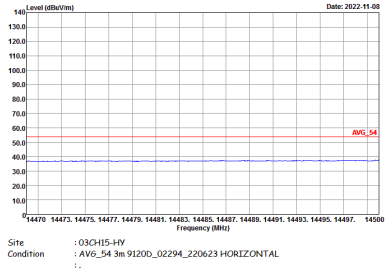
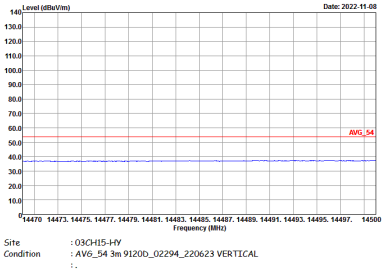
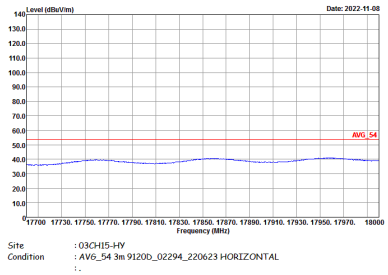
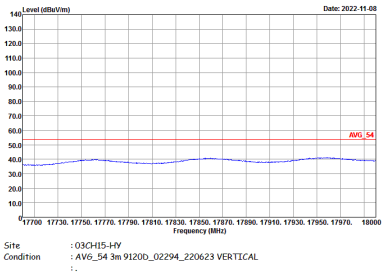
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

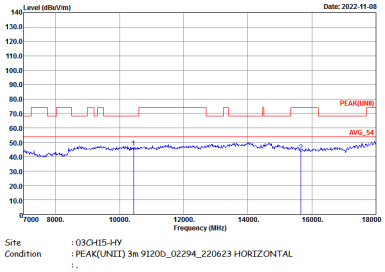
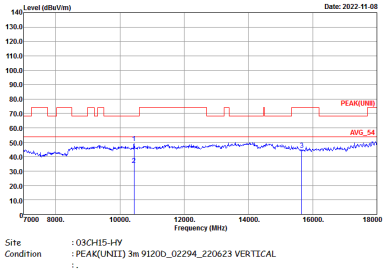
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+2	Horizontal	Vertical
Peak Avg.		

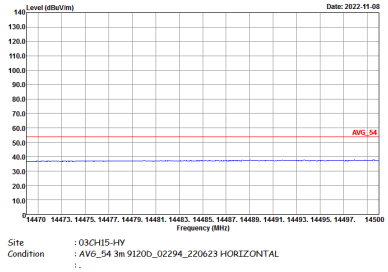
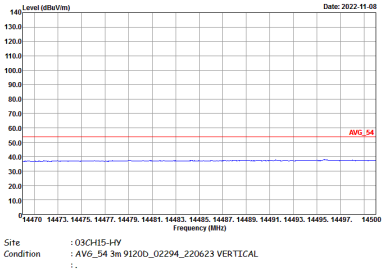
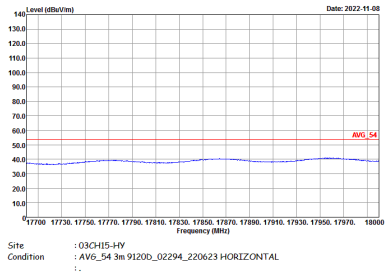
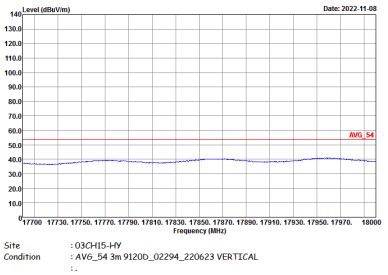
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

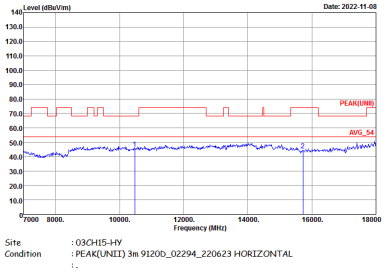
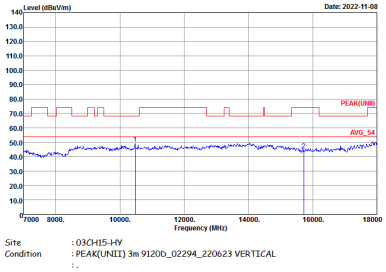
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

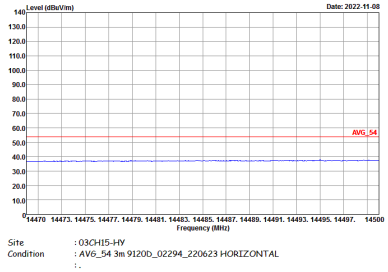
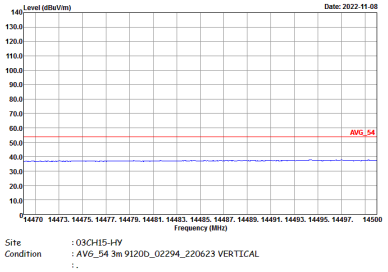
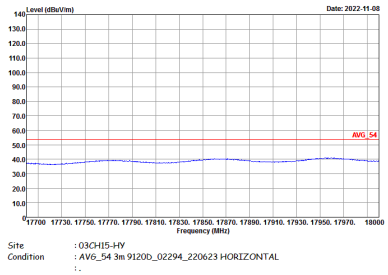
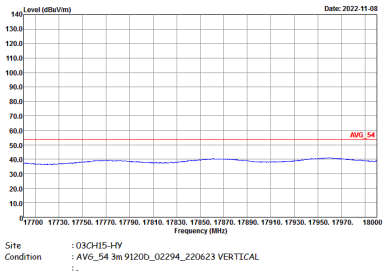
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

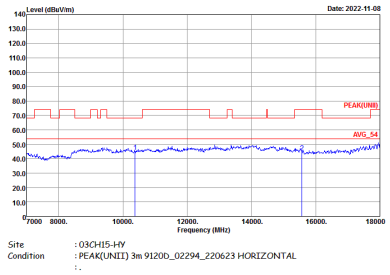
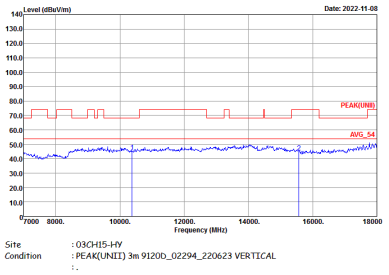
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
0+2	Horizontal	Vertical
Peak Avg.		

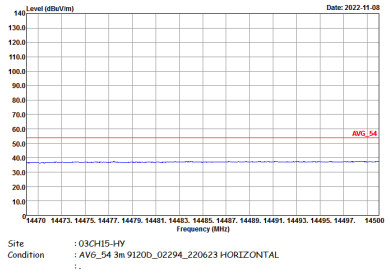
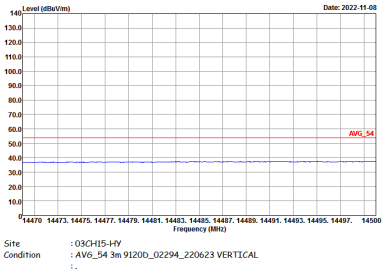
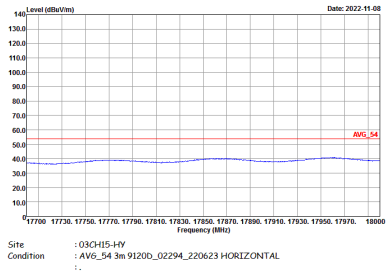
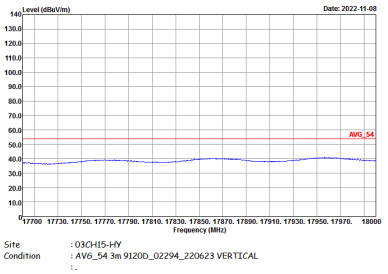
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

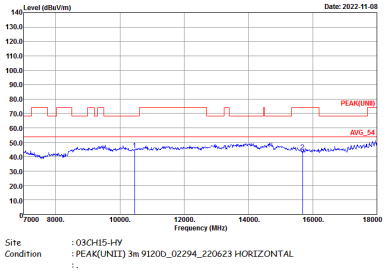
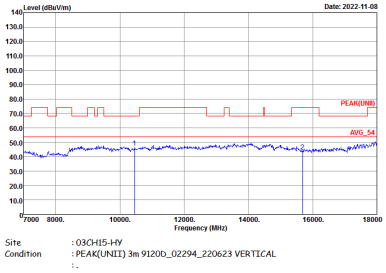
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
0+2	Horizontal	Vertical
Peak Avg.		

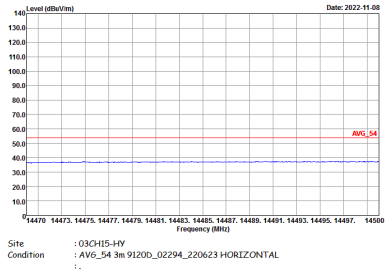
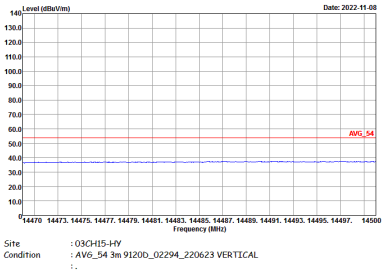
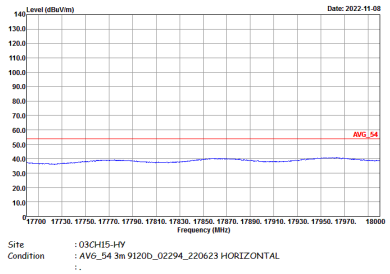
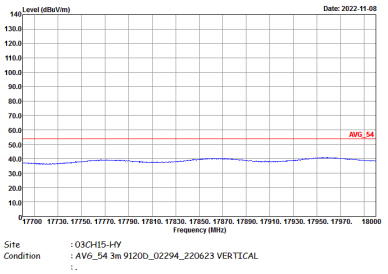
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

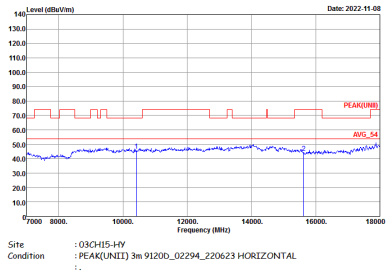
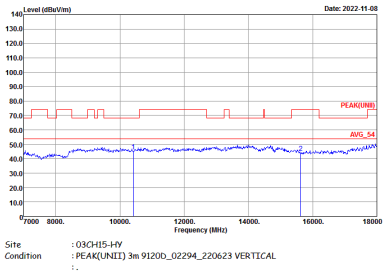
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
0+2	Horizontal	Vertical
Peak Avg.		

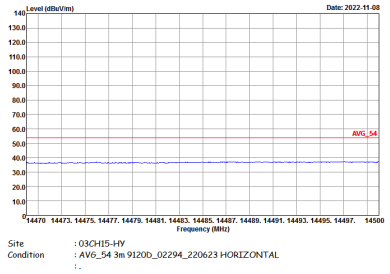
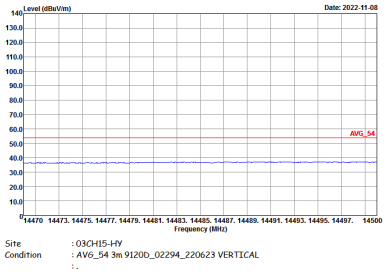
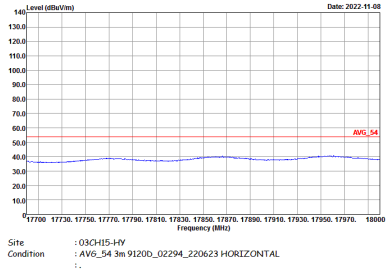
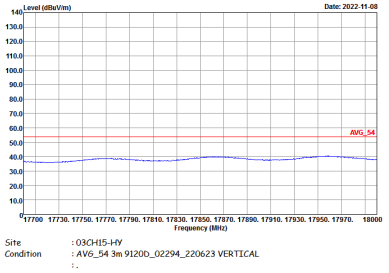
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
0+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

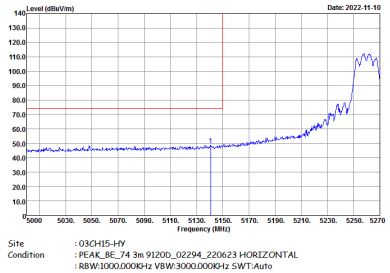
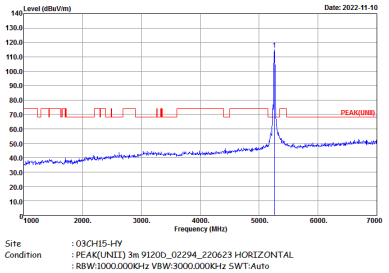
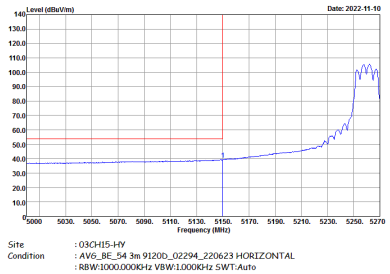
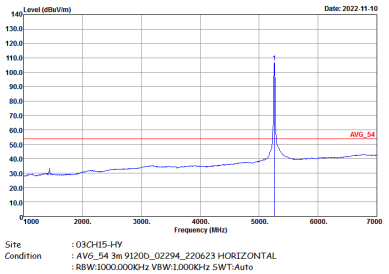
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

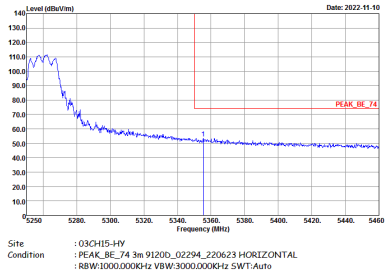
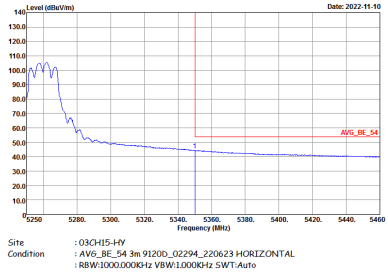
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
0+2	Horizontal	Vertical
Peak Avg.		

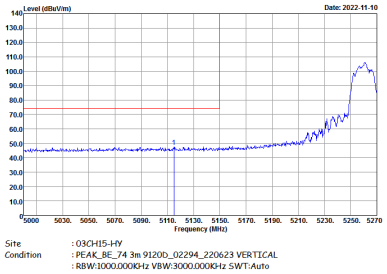
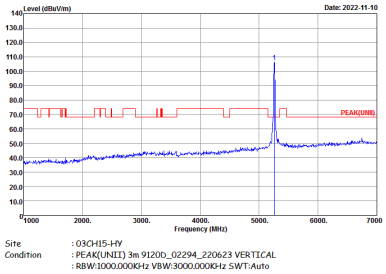
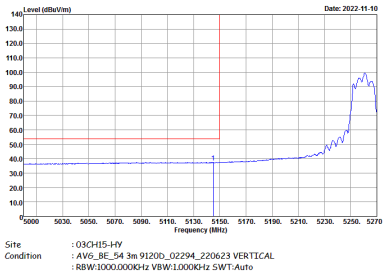
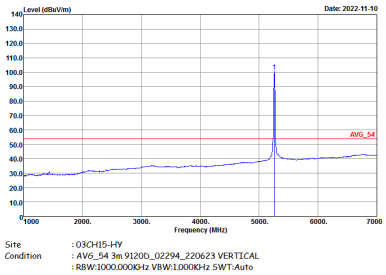
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
0+2	Horizontal	Vertical
14.47G ~14.5G Avg.		
17.7G ~18G Avg.		

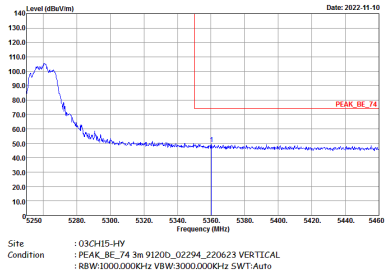
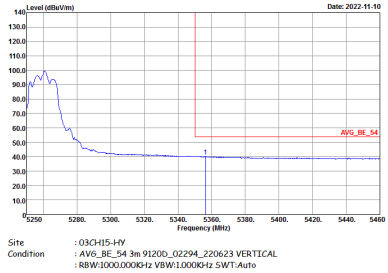
Band 2 - 5250~5350MHz

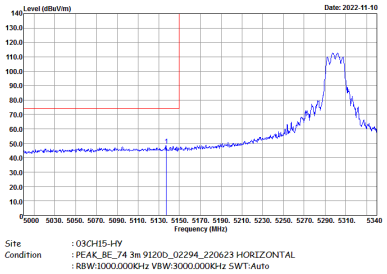
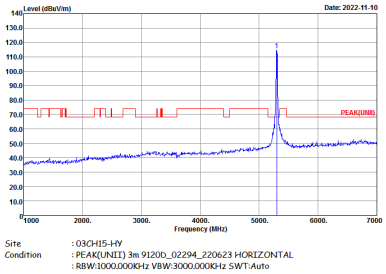
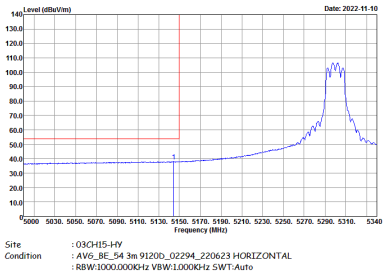
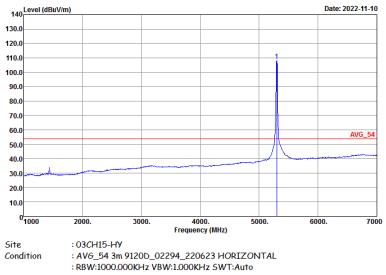
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+2	Horizontal	Fundamental
Peak	 Site : 03CH15-HY Condition : PEAK_BE_74 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH15-HY Condition : PEAK(UNII) 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH15-HY Condition : AVG_BE_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH15-HY Condition : AVG_54 3m 9120D_02294_220623 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto