FCC RADIO TEST REPORT

FCC ID	**:**	**2AFZZ117SY**
Equipment	**:**	**Mobile Phone**
Brand Name	**:**	**Redmi**
Model Name	**:**	**2201117SY**
Applicant	**:**	**Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085**
Manufacturer	**:**	**Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on Dec. 01, 2021 and testing was performed from Dec. 09, 2021 to Dec. 23, 2021. 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

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History of this test report

Report No.	Version	Description	Issue Date
FR1N3028E	01	Initial issue of report	Dec. 29, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.27 dB under the limit at 5457.760 MHz
3.5	15.207	AC Conducted Emission	Pass	9.80 dB under the limit at 0.152 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
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: Danny Lee

Report Producer: Vivian Hsu

1 General Description

1.1 Product Feature of Equipment Under Test

GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, FM Receiver, NFC, and GNSS.

Product Feature	
Sample 1	6G+128GB with Battery 1
Sample 2	8G+128GB with Battery 2
Sample 3	6G+64GB with Battery 1
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS/Glonass/BDS/Galileo/SBAS : PIFA Antenna NFC: Planar Antenna FM: Using earphone as Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	-1.65
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	-1.60
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	-1.30

Remark: The above EUT's information was declared by manufacturer. Please refer to Comments and Explanations in report summary.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan 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 TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH16-HY

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- 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 adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find Z plane as worst plane.

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

2.1 Carrier Frequency and Channel

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

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

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

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

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

Note:

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

2.2 Test Mode

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

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**

Test Cases	
AC Conducted Emission	Mode 1 :LTE Band 4 Idle + Bluetooth Link + WLAN (5GHz) Link + NFC On + Earphone + USB Cable 1 (Data Link with Notebook) for Sample 1

Remark:
1. For Radiated Test Cases, the tests were performed with USB Cable 2 and Sample 1.
2. Data Link with Notebook means data application transferred mode between EUT and Notebook.

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

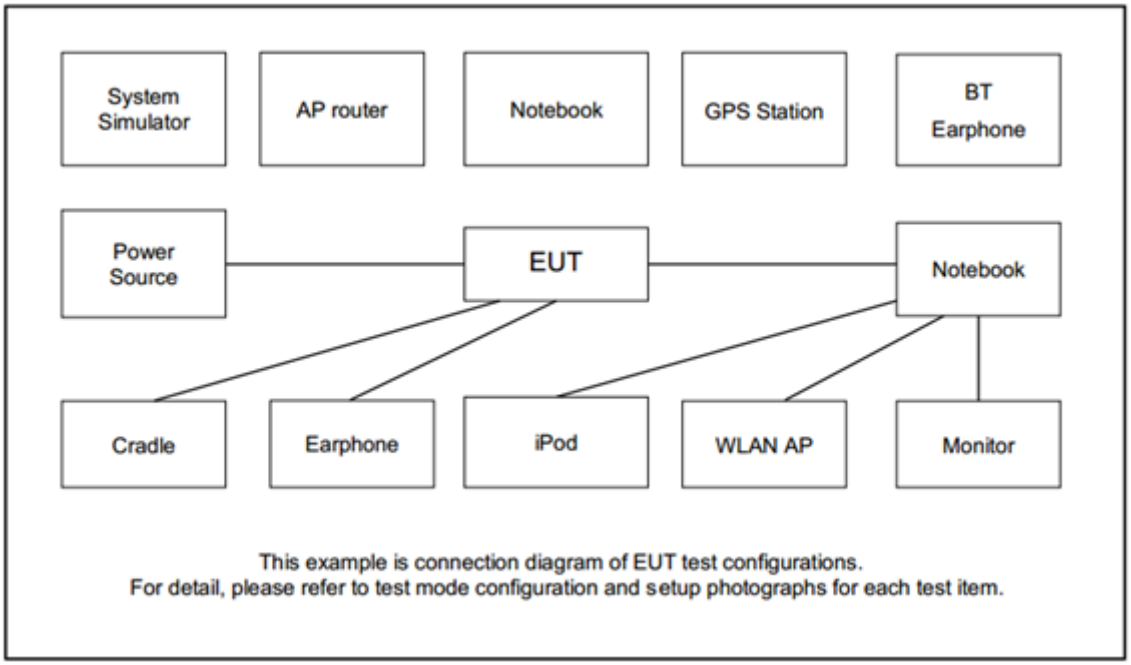
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

Remark:

1. For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.
2. Since the verify power, the smaller power can be covered by the higher power. Radiation test item 802.11n HT20 covered by 802.11a.

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY700A2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0m	N/A
5.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2m DC O/P: Shielded, 1.8m
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
7.	Earphone	MI	EM023	N/A	Unshielded, 1.2m	N/A

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: 11 RP1A.200720.011) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

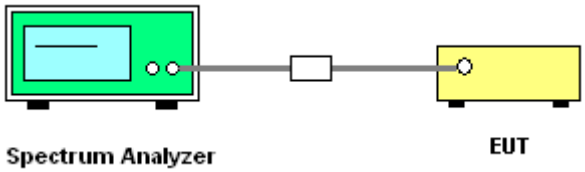
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

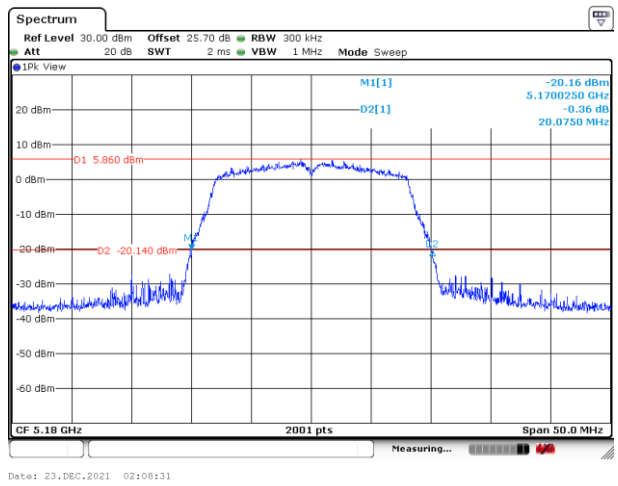
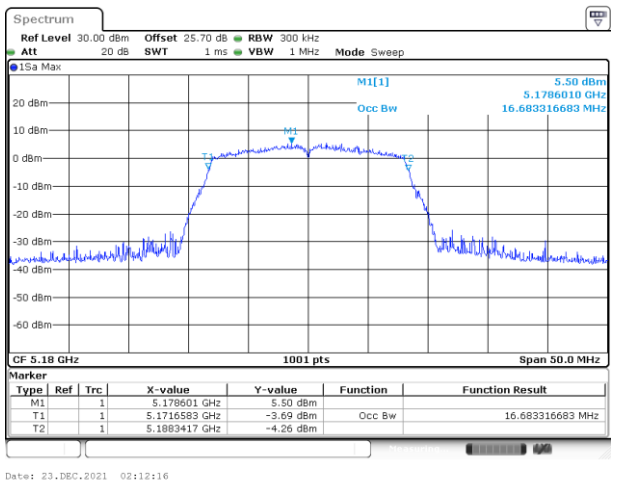
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

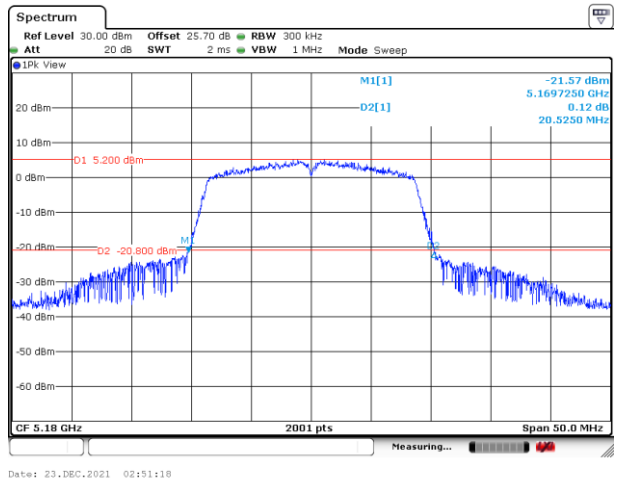
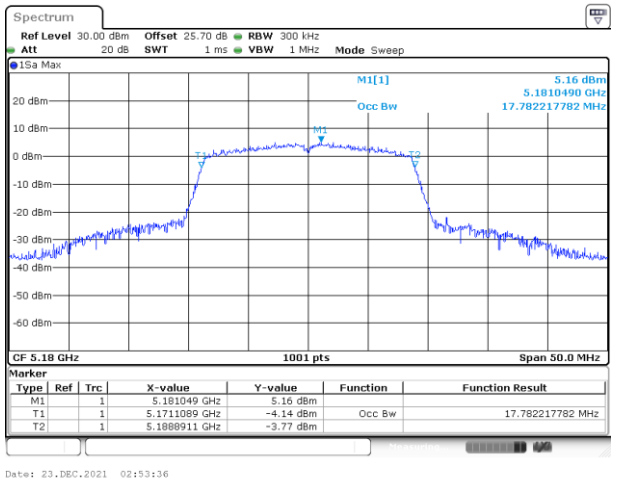
Please refer to Appendix A.

<802.11a Mode>

26dB Bandwidth	99% Occupied Bandwidth
	

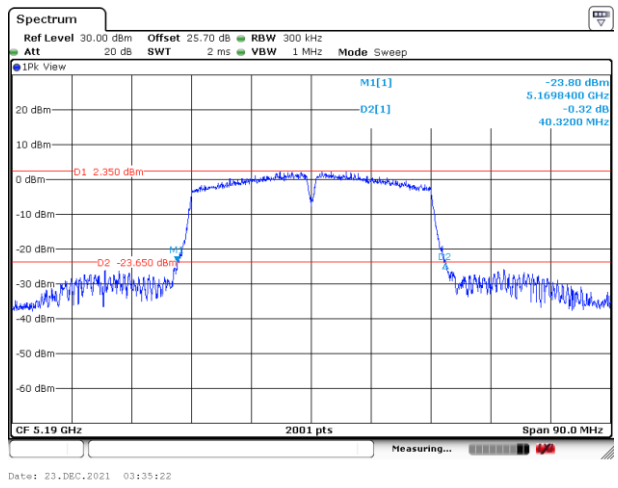
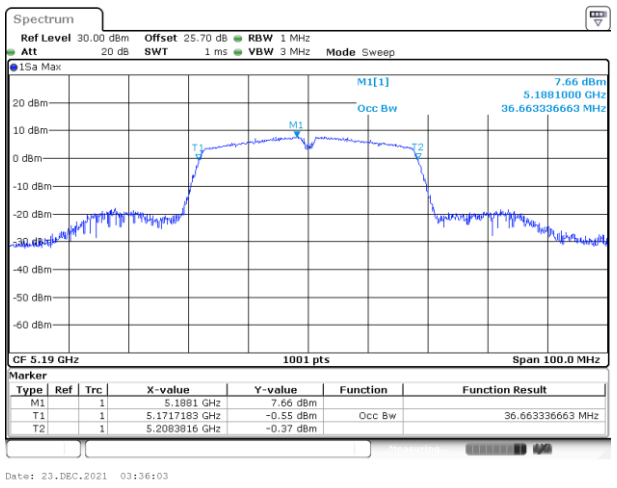
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20 Mode>

26dB Bandwidth	99% Occupied Bandwidth
	

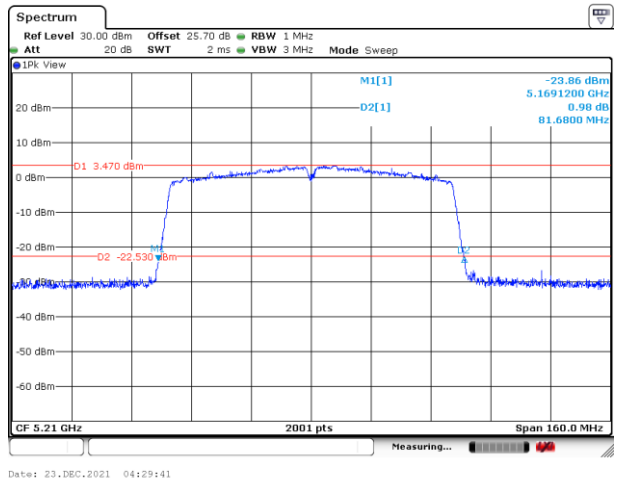
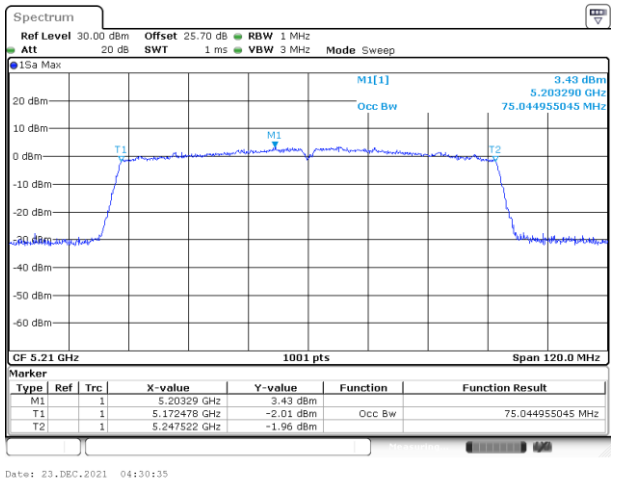
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT40 Mode>

26dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11ac VHT80 Mode>

26dB Bandwidth	99% Occupied Bandwidth
	

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

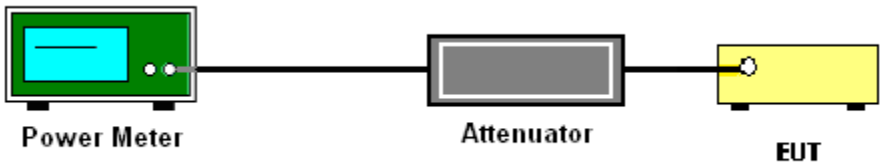
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

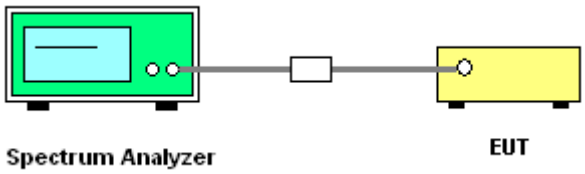
 # Method SA-3 #

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time ≤ (number of points in sweep) × T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
  Detector = power averaging (rms).
- Trace mode = max hold.
- Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.

1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

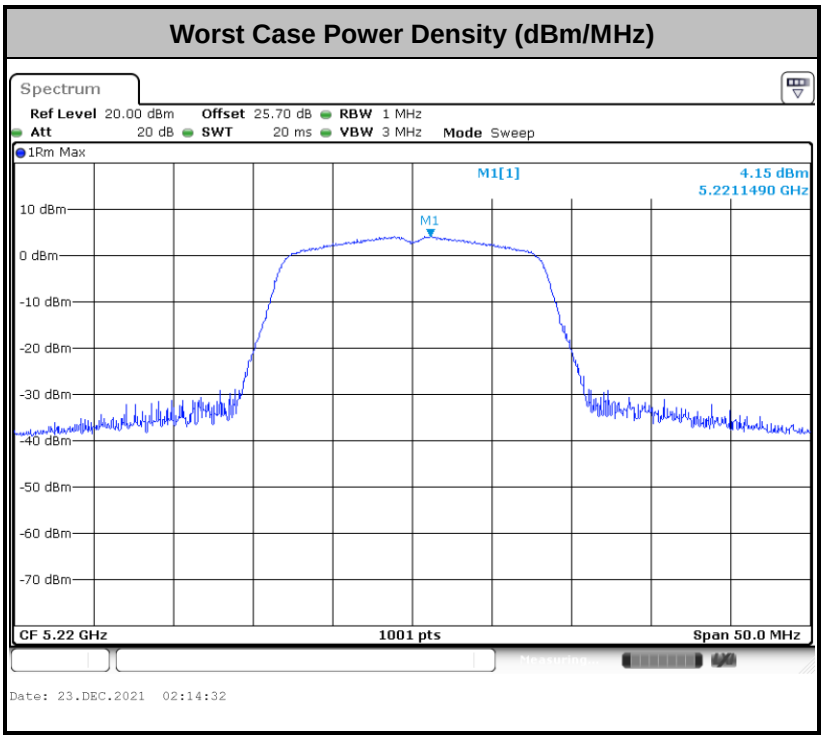
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of −27 dBm/MHz.
(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

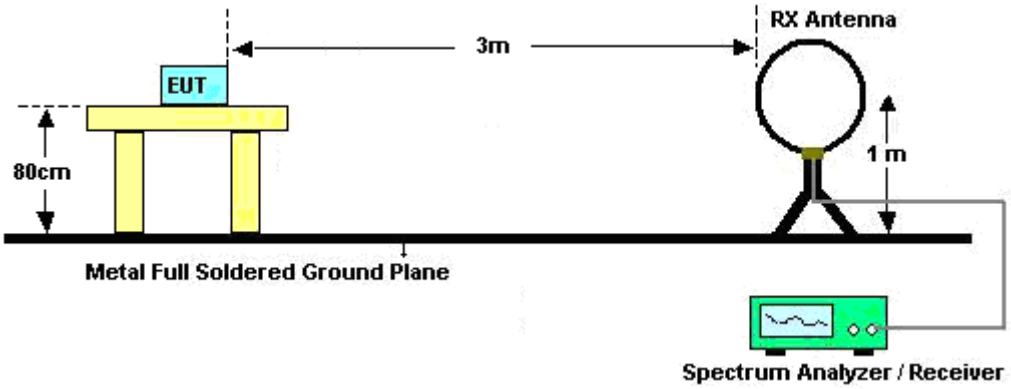
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

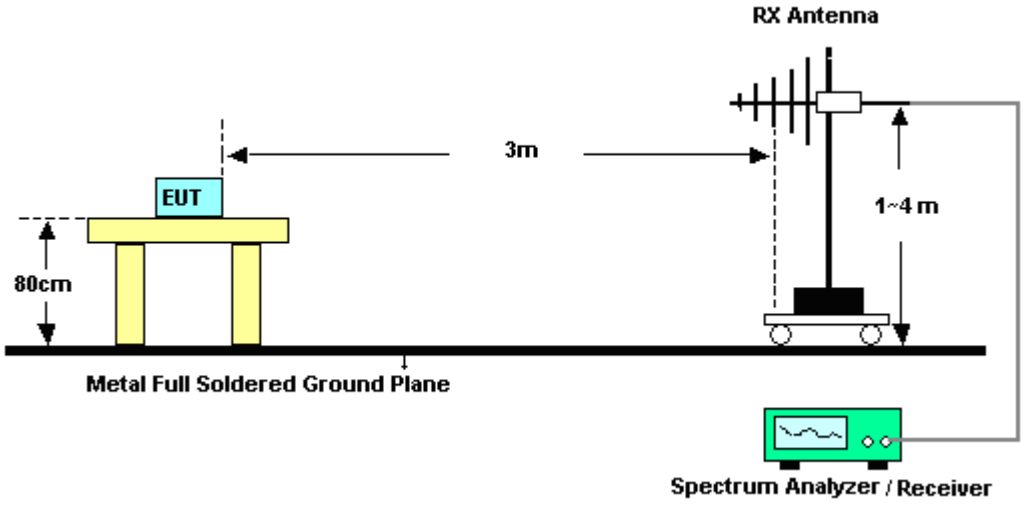
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

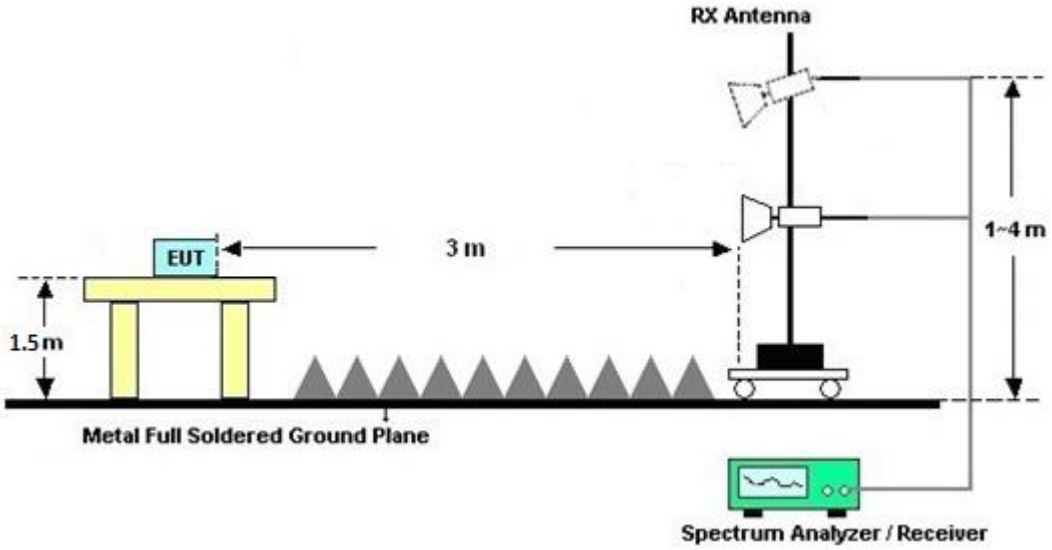
For radiated emissions below 30MHz



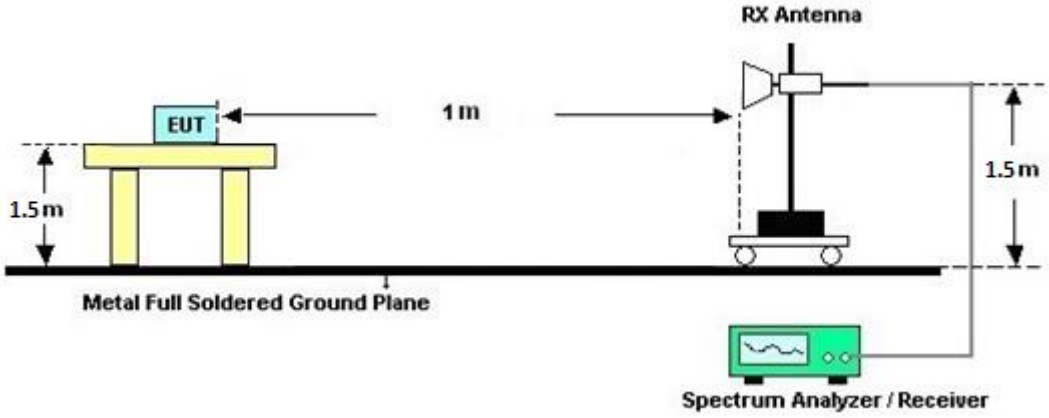
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

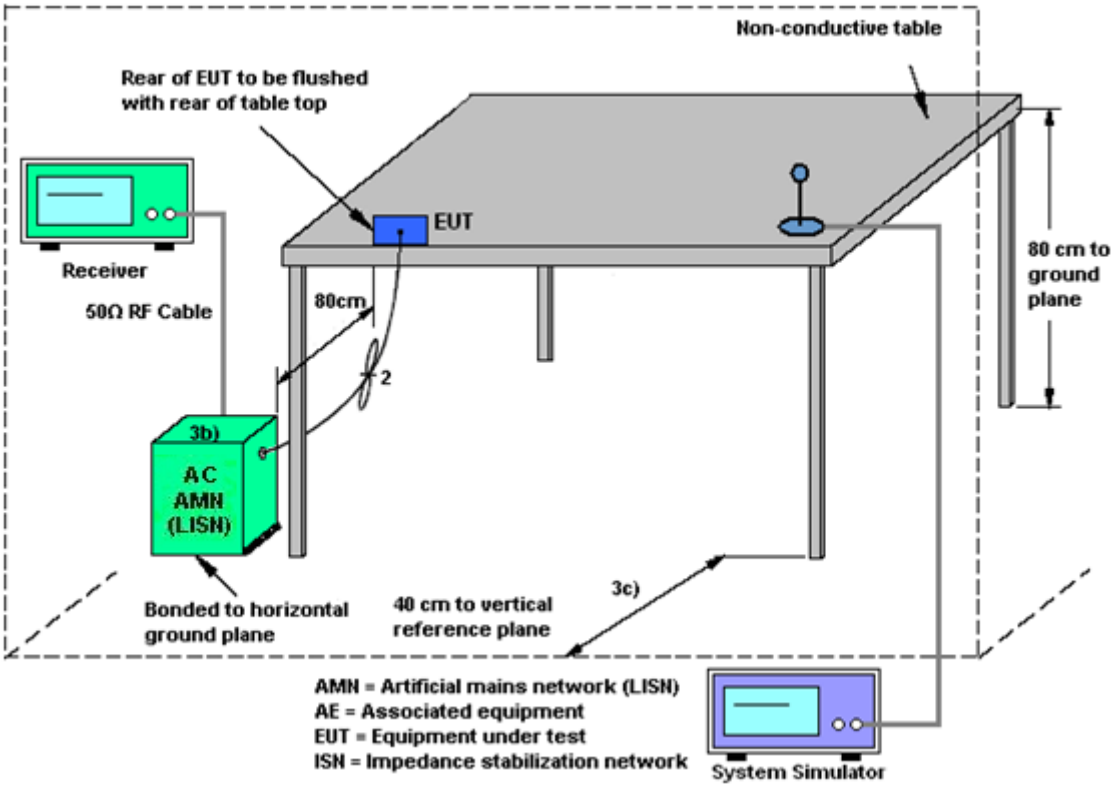
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Sensor	DARE	RPR3006W	13I00030SNO 31(NO:182)	10MHz~6GHz	Dec. 30, 2020	Dec. 10, 2021~ Dec. 23, 2021	Dec. 29, 2021	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Dec. 10, 2021~ Dec. 23, 2021	Aug. 29, 2022	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW191204 (BOX8)	N/A	Jan. 07, 2021	Dec. 10, 2021~ Dec. 23, 2021	Jan. 06, 2022	Conducted (TH05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Dec. 10, 2021~ Dec. 20, 2021	Sep. 06, 2022	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz to 1GHz	Oct. 09, 2021	Dec. 10, 2021~ Dec. 20, 2021	Oct. 08, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-02114	1G~18GHz	Aug. 04, 2021	Dec. 10, 2021~ Dec. 20, 2021	Aug. 03, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1522	1G~18GHz	Oct. 12, 2021	Dec. 10, 2021~ Dec. 20, 2021	Oct. 11, 2022	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	00991	18GHz ~40GHz	May 12, 2021	Dec. 10, 2021~ Dec. 20, 2021	May 11, 2022	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Jul. 05, 2021	Dec. 10, 2021~ Dec. 20, 2021	Jul. 04, 2022	Radiation (03CH16-HY)
Amplifier	EMCI	EMC051845S E	980729	1-18GHz	Jul. 09, 2021	Dec. 10, 2021~ Dec. 20, 2021	Jul. 08, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Dec. 10, 2021~ Dec. 20, 2021	Jun. 21, 2022	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Dec. 10, 2021~ Dec. 20, 2021	Dec. 08, 2022	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	3Hz~26.5GHz	Nov. 18, 2021	Dec. 10, 2021~ Dec. 20, 2021	Nov. 17, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4P E	NA	Aug. 28, 2021	Dec. 10, 2021~ Dec. 20, 2021	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4P E	NA	Aug. 28, 2021	Dec. 10, 2021~ Dec. 20, 2021	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5 757	NA	Aug. 28, 2021	Dec. 10, 2021~ Dec. 20, 2021	Aug. 27, 2022	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Dec. 10, 2021~ Dec. 20, 2021	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 10, 2021~ Dec. 20, 2021	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 10, 2021~ Dec. 20, 2021	N/A	Radiation (03CH16-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 09, 2021	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Oct. 21, 2021	Dec. 09, 2021	Oct. 20, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Dec. 09, 2021	Nov. 15, 2022	Conduction (CO05-HY)
Four Line V-Network	TESEQ	NNB 52	36122	N/A	Feb. 01, 2021	Dec. 09, 2021	Jan. 31, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Dec. 09, 2021	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	00691	N/A	Jul. 28, 2021	Dec. 09, 2021	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 31, 2020	Dec. 09, 2021	Dec. 30, 2021	Conduction (CO05-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.1 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.8 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Junyu Jhou	Temperature:	23.2~24.2	°C
Test Date:	2021/12/10~2021/12/23	Relative Humidity:	49.2~52.5	%

Report Number : FR1N3028E

TEST RESULTS DATA
26dB and 99% OBW

Band I single antenna														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	16.68	-	20.08	-	-		22.22	-		
11a	6Mbps	1	44	5220	16.68	-	20.28	-	-		22.22	-		
11a	6Mbps	1	48	5240	16.73	-	20.33	-	-		22.24	-		
HT20	MCS0	1	36	5180	17.78	-	20.53	-	-		22.50	-		
HT20	MCS0	1	44	5220	17.73	-	20.63	-	-		22.49	-	-	
HT20	MCS0	1	48	5240	17.78	-	20.55	-	-		22.50	-		
HT40	MCS0	1	38	5190	36.66	-	40.32	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.46	-	39.87	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.05	-	81.68	-	-		23.01	-		

Report Number : FR1N3028E

TEST RESULTS DATA
Average Power Table

Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	13.60	-	24.00	-	-1.65	-	-	Pass
11a	6Mbps	1	44	5220	13.80	-	24.00	-	-1.65	-		Pass
11a	6Mbps	1	48	5240	13.80	-	24.00	-	-1.65	-		Pass
HT20	MCS0	1	36	5180	13.30	-	24.00	-	-1.65	-		Pass
HT20	MCS0	1	44	5220	13.70	-	24.00	-	-1.65	-		Pass
HT20	MCS0	1	48	5240	13.50	-	24.00	-	-1.65	-		Pass
HT40	MCS0	1	38	5190	13.40	-	24.00	-	-1.65	-		Pass
HT40	MCS0	1	46	5230	13.60	-	24.00	-	-1.65	-		Pass
VHT20	MCS0	1	36	5180	13.20	-	24.00	-	-1.65	-		Pass
VHT20	MCS0	1	44	5220	13.60	-	24.00	-	-1.65	-		Pass
VHT20	MCS0	1	48	5240	13.40	-	24.00	-	-1.65	-		Pass
VHT40	MCS0	1	38	5190	13.30	-	24.00	-	-1.65	-		Pass
VHT40	MCS0	1	46	5230	13.50	-	24.00	-	-1.65	-		Pass
VHT80	MCS0	1	42	5210	11.90	-	24.00	-	-1.65	-		Pass

TEST RESULTS DATA
Power Spectral Density

Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	3.83	-	11.00	-	-1.65	-		Pass
11a	6Mbps	1	44	5220	4.15	-	11.00	-	-1.65	-		Pass
11a	6Mbps	1	48	5240	4.10	-	11.00	-	-1.65	-		Pass
HT20	MCS0	1	36	5180	3.47	-	11.00	-	-1.65	-		Pass
HT20	MCS0	1	44	5220	3.85	-	11.00	-	-1.65	-	-	Pass
HT20	MCS0	1	48	5240	3.76	-	11.00	-	-1.65	-		Pass
HT40	MCS0	1	38	5190	0.65	-	11.00	-	-1.65	-		Pass
HT40	MCS0	1	46	5230	1.05	-	11.00	-	-1.65	-		Pass
VHT80	MCS0	1	42	5210	-4.06	-	11.00	-	-1.65	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	16.68	-	20.20	-	23.22	-	29.22	-	23.98	-	
11a	6Mbps	1	60	5300	16.68	-	20.20	-	23.22	-	29.22	-	23.98	-	
11a	6Mbps	1	64	5320	16.68	-	20.33	-	23.22	-	29.22	-	23.98	-	
HT20	MCS0	1	52	5260	17.78	-	20.45	-	23.50	-	29.50	-	23.98	-	
HT20	MCS0	1	60	5300	17.73	-	20.70	-	23.49	-	29.49	-	23.98	-	
HT20	MCS0	1	64	5320	17.78	-	20.58	-	23.50	-	29.50	-	23.98	-	
HT40	MCS0	1	54	5270	36.56	-	40.05	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.56	-	40.37	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.05	-	81.04	-	23.98	-	30.00	-	23.98	-	

Report Number : FR1N3028E

TEST RESULTS DATA
Average Power Table

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	13.50	-	23.98	-	-1.60	-	30	Pass
11a	6Mbps	1	60	5300	13.70	-	23.98	-	-1.60	-	30	Pass
11a	6Mbps	1	64	5320	13.50	-	23.98	-	-1.60	-	30	Pass
HT20	MCS0	1	52	5260	13.30	-	23.98	-	-1.60	-	30	Pass
HT20	MCS0	1	60	5300	13.60	-	23.98	-	-1.60	-	30	Pass
HT20	MCS0	1	64	5320	13.20	-	23.98	-	-1.60	-	30	Pass
HT40	MCS0	1	54	5270	13.40	-	23.98	-	-1.60	-	30	Pass
HT40	MCS0	1	62	5310	13.00	-	23.98	-	-1.60	-	30	Pass
VHT20	MCS0	1	52	5260	13.20	-	23.98	-	-1.60	-	30	Pass
VHT20	MCS0	1	60	5300	13.50	-	23.98	-	-1.60	-	30	Pass
VHT20	MCS0	1	64	5320	13.10	-	23.98	-	-1.60	-	30	Pass
VHT40	MCS0	1	54	5270	13.30	-	23.98	-	-1.60	-	30	Pass
VHT40	MCS0	1	62	5310	12.90	-	23.98	-	-1.60	-	30	Pass
VHT80	MCS0	1	58	5290	11.90	-	23.98	-	-1.60	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	4.07	-	11.00	-	-1.60	-	-	Pass
11a	6Mbps	1	60	5300	3.84	-	11.00	-	-1.60	-		Pass
11a	6Mbps	1	64	5320	3.71	-	11.00	-	-1.60	-		Pass
HT20	MCS0	1	52	5260	3.55	-	11.00	-	-1.60	-		Pass
HT20	MCS0	1	60	5300	3.78	-	11.00	-	-1.60	-		Pass
HT20	MCS0	1	64	5320	3.52	-	11.00	-	-1.60	-		Pass
HT40	MCS0	1	54	5270	0.79	-	11.00	-	-1.60	-		Pass
HT40	MCS0	1	62	5310	0.31	-	11.00	-	-1.60	-		Pass
VHT80	MCS0	1	58	5290	-3.87	-	11.00	-	-1.60	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

Band III single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.68	-	20.25	-	23.22	-	29.22	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.63	-	20.27	-	23.21	-	29.21	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.68	-	20.13	-	23.22	-	29.22	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.78	-	20.53	-	23.50	-	29.50	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.68	-	20.55	-	23.48	-	29.48	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.73	-	20.55	-	23.49	-	29.49	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.36	-	40.05	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.46	-	40.23	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.56	-	40.41	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.17	-	81.28	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.17	-	81.44	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		99% Bandwidth Power Limit (dBm)		99% Bandwidth EIRP Limit (dBm)		26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	144	5720	13.24	-	15.07	-	22.22	-	28.22	-	22.78	-	2.6	-
HT20	MCS0	1	144	5720	13.79	-	15.32	-	22.40	-	28.40	-	22.85	-	2.6	-
HT40	MCS0	1	142	5710	33.18	-	35.30	-	23.98	-	30.00	-	23.98	-	2.64	-
VHT80	MCS0	1	138	5690	72.52	-	75.72	-	23.98	-	30.00	-	23.98	-	2.76	-

TEST RESULTS DATA
Average Power Table

Band III single antenna													
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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	13.50	-	23.98	-	-1.30	-	30	Pass
11a	6Mbps	1	116	5580	13.40	-	23.98	-	-1.30	-	30	Pass
11a	6Mbps	1	140	5700	13.40	-	23.98	-	-1.30	-	30	Pass
HT20	MCS0	1	100	5500	13.10	-	23.98	-	-1.30	-	30	Pass
HT20	MCS0	1	116	5580	13.10	-	23.98	-	-1.30	-	30	Pass
HT20	MCS0	1	140	5700	13.00	-	23.98	-	-1.30	-	30	Pass
HT40	MCS0	1	102	5510	12.30	-	23.98	-	-1.30	-	30	Pass
HT40	MCS0	1	110	5550	13.10	-	23.98	-	-1.30	-	30	Pass
HT40	MCS0	1	134	5670	13.10	-	23.98	-	-1.30	-	30	Pass
VHT20	MCS0	1	100	5500	13.00	-	23.98	-	-1.30	-	30	Pass
VHT20	MCS0	1	116	5580	13.00	-	23.98	-	-1.30	-	30	Pass
VHT20	MCS0	1	140	5700	12.90	-	23.98	-	-1.30	-	30	Pass
VHT40	MCS0	1	102	5510	12.20	-	23.98	-	-1.30	-	30	Pass
VHT40	MCS0	1	110	5550	13.00	-	23.98	-	-1.30	-	30	Pass
VHT40	MCS0	1	134	5670	13.00	-	23.98	-	-1.30	-	30	Pass
VHT80	MCS0	1	106	5530	12.30	-	23.98	-	-1.30	-	30	Pass
VHT80	MCS0	1	122	5610	13.30	-	23.98	-	-1.30	-	30	Pass

Band III straddle channel single antenna												
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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	13.30	-	22.78	-	-1.30	-	30	Pass
HT20	MCS0	1	144	5720	13.20	-	22.85	-	-1.30	-	30	Pass
HT40	MCS0	1	142	5710	13.20	-	23.98	-	-1.30	-	30	Pass
VHT20	MCS0	1	144	5720	13.10	-	23.98	-	-1.30	-	30	Pass
VHT40	MCS0	1	142	5710	13.10	-	23.98	-	-1.30	-	30	Pass
VHT80	MCS0	1	138	5690	12.90	-	23.98	-	-1.30	-	30	Pass

Report Number : FR1N3028E

TEST RESULTS DATA
Power Spectral Density

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	3.60	-	11.00	-	-1.30	-	-	Pass
11a	6Mbps	1	116	5580	3.67	-	11.00	-	-1.30	-		Pass
11a	6Mbps	1	140	5700	3.55	-	11.00	-	-1.30	-		Pass
HT20	MCS0	1	100	5500	3.33	-	11.00	-	-1.30	-		Pass
HT20	MCS0	1	116	5580	3.21	-	11.00	-	-1.30	-		Pass
HT20	MCS0	1	140	5700	3.22	-	11.00	-	-1.30	-		Pass
HT40	MCS0	1	102	5510	-0.36	-	11.00	-	-1.30	-		Pass
HT40	MCS0	1	110	5550	0.44	-	11.00	-	-1.30	-		Pass
HT40	MCS0	1	134	5670	0.23	-	11.00	-	-1.30	-		Pass
VHT80	MCS0	1	106	5530	-3.63	-	11.00	-	-1.30	-		Pass
VHT80	MCS0	1	122	5610	-2.80	-	11.00	-	-1.30	-		Pass

Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	3.78	-	11.00	-	-1.30	-	-	Pass
HT20	MCS0	1	144	5720	3.37	-	11.00	-	-1.30	-		Pass
HT40	MCS0	1	142	5710	0.44	-	11.00	-	-1.30	-		Pass
VHT80	MCS0	1	138	5690	-2.87	-	11.00	-	-1.30	-		Pass

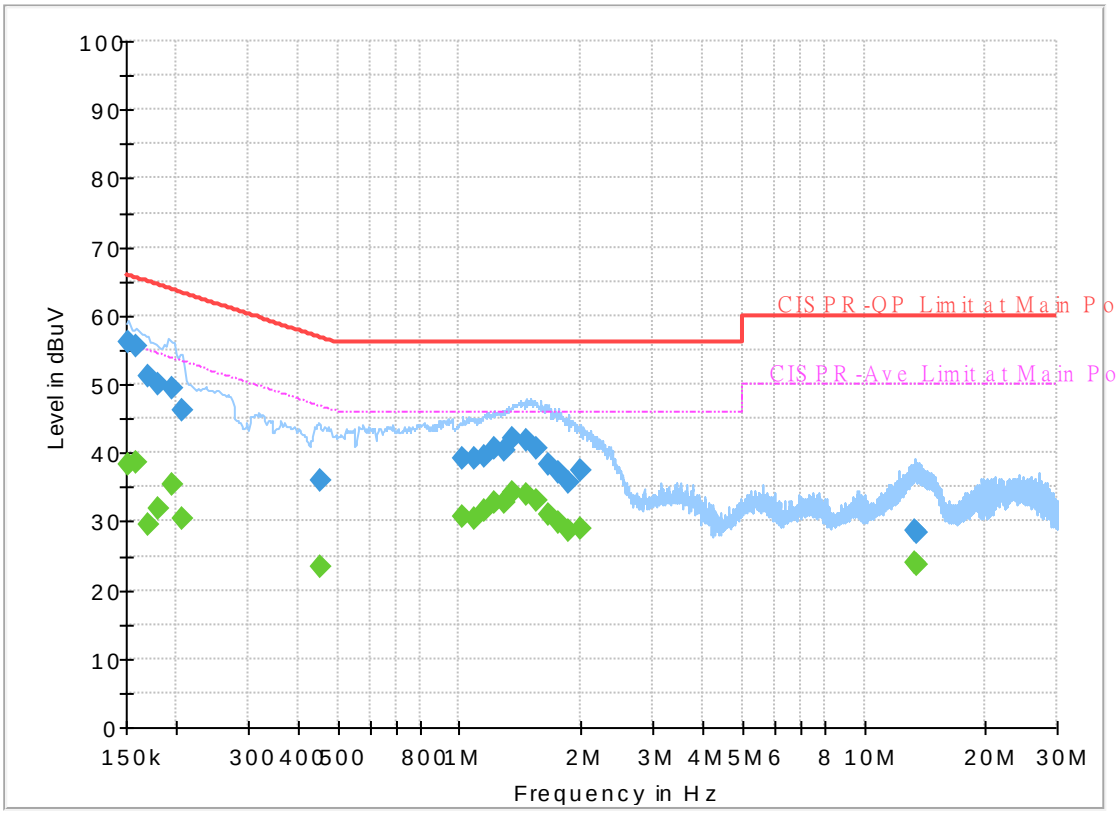
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	45~55%

EUT Information

Report NO :	1N3028
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Line

Full Spectrum



Final_Result

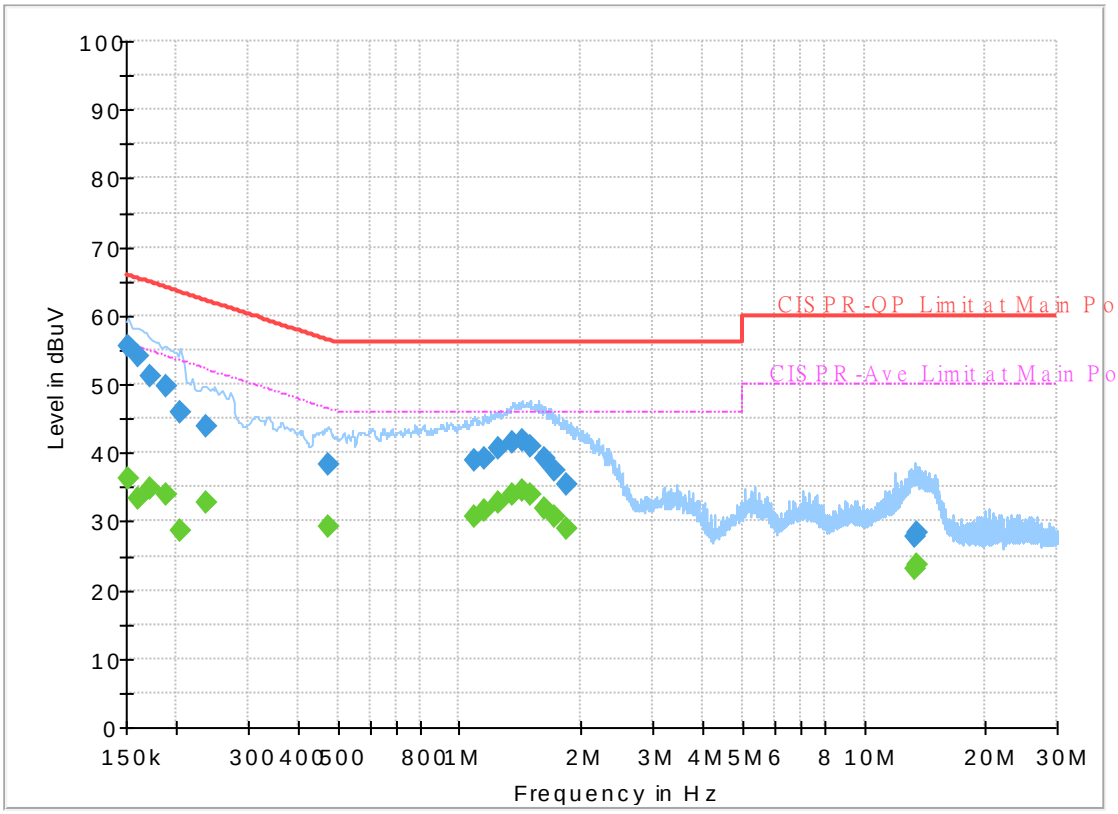
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.42	55.88	17.46	L1	OFF	19.6
0.152250	56.08	---	65.88	9.80	L1	OFF	19.6
0.159000	---	38.55	55.52	16.97	L1	OFF	19.6
0.159000	55.52	---	65.52	10.00	L1	OFF	19.6
0.170250	---	29.50	54.95	25.45	L1	OFF	19.6
0.170250	51.24	---	64.95	13.71	L1	OFF	19.6
0.179250	---	31.82	54.52	22.70	L1	OFF	19.6
0.179250	50.03	---	64.52	14.49	L1	OFF	19.6
0.195000	---	35.34	53.82	18.48	L1	OFF	19.6
0.195000	49.45	---	63.82	14.37	L1	OFF	19.6
0.206250	---	30.40	53.36	22.96	L1	OFF	19.6
0.206250	46.24	---	63.36	17.12	L1	OFF	19.6
0.451500	---	23.35	46.85	23.50	L1	OFF	19.7
0.451500	36.07	---	56.85	20.78	L1	OFF	19.7
1.016250	---	30.79	46.00	15.21	L1	OFF	20.1
1.016250	39.14	---	56.00	16.86	L1	OFF	20.1
1.088250	---	30.39	46.00	15.61	L1	OFF	20.1
1.088250	39.07	---	56.00	16.93	L1	OFF	20.1
1.151250	---	31.58	46.00	14.42	L1	OFF	20.1
1.151250	39.54	---	56.00	16.46	L1	OFF	20.1
1.214250	---	32.66	46.00	13.34	L1	OFF	20.1

1.214250	40.67	---	56.00	15.33	L1	OFF	20.1
1.286250	---	32.61	46.00	13.39	L1	OFF	20.1
1.286250	40.49	---	56.00	15.51	L1	OFF	20.1
1.358250	---	34.14	46.00	11.86	L1	OFF	20.1
1.358250	42.25	---	56.00	13.75	L1	OFF	20.1
1.460490	---	34.00	46.00	12.00	L1	OFF	20.1
1.460490	41.75	---	56.00	14.25	L1	OFF	20.1
1.554000	---	33.07	46.00	12.93	L1	OFF	20.1
1.554000	40.62	---	56.00	15.38	L1	OFF	20.1
1.668750	---	31.12	46.00	14.88	L1	OFF	20.0
1.668750	38.27	---	56.00	17.73	L1	OFF	20.0
1.761000	---	29.97	46.00	16.03	L1	OFF	20.0
1.761000	37.16	---	56.00	18.84	L1	OFF	20.0
1.855500	---	28.61	46.00	17.39	L1	OFF	20.0
1.855500	35.63	---	56.00	20.37	L1	OFF	20.0
1.986000	---	28.93	46.00	17.07	L1	OFF	20.0
1.986000	37.41	---	56.00	18.59	L1	OFF	20.0
13.341750	---	23.84	50.00	26.16	L1	OFF	19.8
13.341750	28.74	---	60.00	31.26	L1	OFF	19.8
13.560000	---	23.70	50.00	26.30	L1	OFF	19.9
13.560000	28.44	---	60.00	31.56	L1	OFF	19.9

EUT Information

Report NO :	1N3028
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	36.16	55.88	19.72	N	OFF	19.6
0.152250	55.54	---	65.88	10.34	N	OFF	19.6
0.161250	---	33.32	55.40	22.08	N	OFF	19.6
0.161250	54.08	---	65.40	11.32	N	OFF	19.6
0.172500	---	34.89	54.84	19.95	N	OFF	19.6
0.172500	51.31	---	64.84	13.53	N	OFF	19.6
0.188250	---	33.99	54.11	20.12	N	OFF	19.6
0.188250	49.70	---	64.11	14.41	N	OFF	19.6
0.204000	---	28.73	53.45	24.72	N	OFF	19.6
0.204000	45.79	---	63.45	17.66	N	OFF	19.6
0.235500	---	32.85	52.25	19.40	N	OFF	19.6
0.235500	43.89	---	62.25	18.36	N	OFF	19.6
0.471750	---	29.10	46.48	17.38	N	OFF	19.7
0.471750	38.23	---	56.48	18.25	N	OFF	19.7
1.083750	---	30.81	46.00	15.19	N	OFF	20.1
1.083750	38.78	---	56.00	17.22	N	OFF	20.1
1.155750	---	31.68	46.00	14.32	N	OFF	20.1
1.155750	39.24	---	56.00	16.76	N	OFF	20.1
1.243500	---	32.86	46.00	13.14	N	OFF	20.1
1.243500	40.59	---	56.00	15.41	N	OFF	20.1
1.353750	---	34.04	46.00	11.96	N	OFF	20.1

1.353750	41.45	---	56.00	14.55	N	OFF	20.1
1.425750	---	34.55	46.00	11.45	N	OFF	20.1
1.425750	41.86	---	56.00	14.14	N	OFF	20.1
1.500000	---	34.03	46.00	11.97	N	OFF	20.0
1.500000	41.08	---	56.00	14.92	N	OFF	20.0
1.626000	---	31.95	46.00	14.05	N	OFF	20.0
1.626000	39.17	---	56.00	16.83	N	OFF	20.0
1.727250	---	30.57	46.00	15.43	N	OFF	20.0
1.727250	37.55	---	56.00	18.45	N	OFF	20.0
1.837500	---	28.80	46.00	17.20	N	OFF	20.0
1.837500	35.50	---	56.00	20.50	N	OFF	20.0
13.301250	---	23.10	50.00	26.90	N	OFF	19.9
13.301250	27.87	---	60.00	32.13	N	OFF	19.9
13.560000	---	23.60	50.00	26.40	N	OFF	19.9
13.560000	28.44	---	60.00	31.56	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Karl Hou and Andy Yang	Temperature :	20~25°C
		Relative Humidity :	50~60%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5129.74	53.87	-20.13	74	38.3	33.02	12	29.45	100	9	P	H
		5132.6	43.18	-10.82	54	27.62	33	12.01	29.45	100	9	A	H
	*	5180	100.93	-	-	85.36	32.96	12.08	29.47	100	9	P	H
	*	5180	92.54	-	-	76.97	32.96	12.08	29.47	100	9	A	H
													H
													H
		5099.84	54.91	-19.09	74	39.2	33.2	11.95	29.44	100	345	P	V
		5145.08	43.75	-10.25	54	28.26	32.93	12.02	29.46	100	345	A	V
	*	5180	104.15	-	-	88.58	32.96	12.08	29.47	100	345	P	V
	*	5180	96.54	-	-	80.97	32.96	12.08	29.47	100	345	A	V
													V
													V
802.11a CH 44 5220MHz		5128.7	53.84	-20.16	74	38.26	33.03	12	29.45	106	8	P	H
		5091.78	43.86	-10.14	54	28.23	33.13	11.94	29.44	106	8	A	H
	*	5220	100.21	-	-	84.55	32.96	12.18	29.48	106	8	P	H
	*	5220	92.35	-	-	76.69	32.96	12.18	29.48	106	8	A	H
		5397	54.56	-19.44	74	38.43	32.89	12.78	29.54	106	8	P	H
		5401.2	44.34	-9.66	54	28.19	32.9	12.79	29.54	106	8	A	H
		5147.16	54.76	-19.24	74	39.27	32.92	12.03	29.46	101	346	P	V
		5122.2	44.2	-9.8	54	28.59	33.07	11.99	29.45	101	346	A	V
	*	5220	105.17	-	-	89.51	32.96	12.18	29.48	101	346	P	V
	*	5220	97.47	-	-	81.81	32.96	12.18	29.48	101	346	A	V
		5403.44	54.77	-19.23	74	38.62	32.9	12.79	29.54	101	346	P	V
		5443.76	44.37	-9.63	54	28.21	32.9	12.81	29.55	101	346	A	V

802.11a CH 48 5240MHz		5086.84	53.73	-20.27	74	38.15	33.09	11.93	29.44	102	8	P	H
		5111.02	43.83	-10.17	54	28.18	33.13	11.97	29.45	102	8	A	H
	*	5240	100.25	-	-	84.57	32.92	12.25	29.49	102	8	P	H
	*	5240	92.89	-	-	77.21	32.92	12.25	29.49	102	8	A	H
		5411	54.99	-19.01	74	38.84	32.9	12.79	29.54	102	8	P	H
		5397.28	44.29	-9.71	54	28.16	32.89	12.78	29.54	102	8	A	H
		5091.52	55.17	-18.83	74	39.54	33.13	11.94	29.44	100	351	P	V
		5101.4	44.09	-9.91	54	28.38	33.19	11.96	29.44	100	351	A	V
	*	5240	105.23	-	-	89.55	32.92	12.25	29.49	100	351	P	V
	*	5240	97.6	-	-	81.92	32.92	12.25	29.49	100	351	A	V
		5405.12	55.08	-18.92	74	38.93	32.9	12.79	29.54	100	351	P	V
		5405.4	44.41	-9.59	54	28.26	32.9	12.79	29.54	100	351	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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	47.53	-20.67	68.2	45.57	38.66	18.9	55.6	-	-	P	H
		10883	48.01	-25.99	74	45.55	38.87	18.99	55.4	-	-	P	H
		10883	38.02	-15.98	54	35.56	38.87	18.99	55.4	-	-	A	H
		14491	49.07	-24.93	74	41.25	40.4	21.75	54.33	-	-	P	H
		14491	39.67	-14.33	54	31.85	40.4	21.75	54.33	-	-	A	H
		15540	47.67	-26.33	74	41.42	38.28	22.65	54.68	-	-	P	H
		17945	54.53	-19.47	74	43.08	42.56	25.45	56.56	-	-	P	H
		17945	44.14	-9.86	54	32.69	42.56	25.45	56.56	-	-	A	H
													H
													H
													H
													H
		10360	48.06	-20.14	68.2	46.1	38.66	18.9	55.6	-	-	P	V
		10883	48.43	-25.57	74	45.97	38.87	18.99	55.4	-	-	P	V
		10883	37.9	-16.1	54	35.44	38.87	18.99	55.4	-	-	A	V
		14491	48.57	-25.43	74	40.75	40.4	21.75	54.33	-	-	P	V
		14491	39.79	-14.21	54	31.97	40.4	21.75	54.33	-	-	A	V
		15540	47.84	-26.16	74	41.59	38.28	22.65	54.68	-	-	P	V
		17956	53.91	-20.09	74	42.37	42.65	25.46	56.57	-	-	P	V
		17956	44.25	-9.75	54	32.71	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.57	-20.63	68.2	45.54	38.66	18.91	55.54	-	-	P	H
		10883	48.15	-25.85	74	45.69	38.87	18.99	55.4	-	-	P	H
		10883	37.89	-16.11	54	35.43	38.87	18.99	55.4	-	-	A	H
		14491	48.45	-25.55	74	40.63	40.4	21.75	54.33	-	-	P	H
		14491	39.46	-14.54	54	31.64	40.4	21.75	54.33	-	-	A	H
		15660	46.83	-27.17	74	41.09	37.86	22.74	54.86	-	-	P	H
		17967	54.65	-19.35	74	43.03	42.74	25.46	56.58	-	-	P	H
		17967	44.18	-9.82	54	32.56	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
802.11a													H
CH 44		10440	47.3	-20.9	68.2	45.27	38.66	18.91	55.54	-	-	P	V
5220MHz		10883	48.1	-25.9	74	45.64	38.87	18.99	55.4	-	-	P	V
		10883	38.22	-15.78	54	35.76	38.87	18.99	55.4	-	-	A	V
		14491	49.07	-24.93	74	41.25	40.4	21.75	54.33	-	-	P	V
		14491	39.77	-14.23	54	31.95	40.4	21.75	54.33	-	-	A	V
		15660	47.69	-26.31	74	41.95	37.86	22.74	54.86	-	-	P	V
		17967	54.14	-19.86	74	42.52	42.74	25.46	56.58	-	-	P	V
		17967	44.26	-9.74	54	32.64	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	46.98	-21.22	68.2	44.95	38.62	18.92	55.51	-	-	P	H
		10883	48.12	-25.88	74	45.66	38.87	18.99	55.4	-	-	P	H
		10883	38.19	-15.81	54	35.73	38.87	18.99	55.4	-	-	A	H
		14491	48.69	-25.31	74	40.87	40.4	21.75	54.33	-	-	P	H
		14491	40.5	-13.5	54	32.68	40.4	21.75	54.33	-	-	A	H
		15720	45.98	-28.02	74	40.45	37.7	22.78	54.95	-	-	P	H
		17879	54.13	-19.87	74	43.28	41.95	25.42	56.52	-	-	P	H
		17879	44.3	-9.7	54	33.45	41.95	25.42	56.52	-	-	A	H
													H
													H
													H
802.11a													H
CH 48		10480	47.03	-21.17	68.2	45	38.62	18.92	55.51	-	-	P	V
5240MHz		10880	48.23	-25.77	74	45.76	38.88	18.99	55.4	-	-	P	V
		10880	37.93	-16.07	54	35.46	38.88	18.99	55.4	-	-	A	V
		14491	48.71	-25.29	74	40.89	40.4	21.75	54.33	-	-	P	V
		14491	39.72	-14.28	54	31.9	40.4	21.75	54.33	-	-	A	V
		15720	47.32	-26.68	74	41.79	37.7	22.78	54.95	-	-	P	V
		17967	54.19	-19.81	74	42.57	42.74	25.46	56.58	-	-	P	V
		17967	44.43	-9.57	54	32.81	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 38 5190MHz		5150	60.13	-13.87	74	45.76	31.8	12.03	29.46	250	225	P	H
		5149.5	46.7	-7.3	54	32.33	31.8	12.03	29.46	250	225	A	H
	*	5190	98.05	-	-	83.79	31.64	12.09	29.47	250	225	P	H
	*	5190	90.19	-	-	75.93	31.64	12.09	29.47	250	225	A	H
		5417.44	53.13	-20.87	74	38.3	31.57	12.8	29.54	250	225	P	H
		5384.68	43.61	-10.39	54	28.99	31.41	12.74	29.53	250	225	A	H
		5149.5	64.96	-9.04	74	50.59	31.8	12.03	29.46	100	312	P	V
		5149.5	50.33	-3.67	54	35.96	31.8	12.03	29.46	100	312	A	V
	*	5190	102.38	-	-	88.12	31.64	12.09	29.47	100	312	P	V
	*	5190	95.06	-	-	80.8	31.64	12.09	29.47	100	312	A	V
		5354.72	52.81	-21.19	74	38.46	31.23	12.64	29.52	100	312	P	V
		5419.4	43.85	-10.15	54	29.01	31.58	12.8	29.54	100	312	A	V
802.11n HT40 CH 46 5230MHz		5122.98	53.62	-20.38	74	38.02	33.06	11.99	29.45	102	8	P	H
		5101.92	44.89	-9.11	54	29.18	33.19	11.96	29.44	102	8	A	H
	*	5230	97.29	-	-	81.62	32.94	12.21	29.48	102	8	P	H
	*	5230	90.03	-	-	74.36	32.94	12.21	29.48	102	8	A	H
		5404.28	54.68	-19.32	74	38.53	32.9	12.79	29.54	102	8	P	H
		5352.48	45.41	-8.59	54	29.5	32.8	12.63	29.52	102	8	A	H
		5114.4	54.46	-19.54	74	38.82	33.11	11.98	29.45	100	346	P	V
		5113.88	45.06	-8.94	54	29.41	33.12	11.98	29.45	100	346	A	V
	*	5230	102.81	-	-	87.14	32.94	12.21	29.48	100	346	P	V
	*	5230	94.53	-	-	78.86	32.94	12.21	29.48	100	346	A	V
		5437.04	54.66	-19.34	74	38.5	32.9	12.81	29.55	100	346	P	V
		5375.16	45.48	-8.52	54	29.45	32.85	12.71	29.53	100	346	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	47.46	-20.74	68.2	45.47	38.68	18.9	55.59	-	-	P	H
		10883	48.06	-25.94	74	45.6	38.87	18.99	55.4	-	-	P	H
		10883	37.87	-16.13	54	35.41	38.87	18.99	55.4	-	-	A	H
		14491	48.91	-25.09	74	41.09	40.4	21.75	54.33	-	-	P	H
		14491	39.68	-14.32	54	31.86	40.4	21.75	54.33	-	-	A	H
		15570	47.01	-26.99	74	40.87	38.19	22.68	54.73	-	-	P	H
		17945	54.09	-19.91	74	42.64	42.56	25.45	56.56	-	-	P	H
		17945	44.14	-9.86	54	32.69	42.56	25.45	56.56	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 38		10380	47.62	-20.58	68.2	45.63	38.68	18.9	55.59	-	-	P	V
5190MHz		10883	48.44	-25.56	74	45.98	38.87	18.99	55.4	-	-	P	V
		10883	37.68	-16.32	54	35.22	38.87	18.99	55.4	-	-	A	V
		14491	48.57	-25.43	74	40.75	40.4	21.75	54.33	-	-	P	V
		14491	39.97	-14.03	54	32.15	40.4	21.75	54.33	-	-	A	V
		15570	47.68	-26.32	74	41.54	38.19	22.68	54.73	-	-	P	V
		17989	54.2	-19.8	74	42.4	42.91	25.48	56.59	-	-	P	V
		17989	44.31	-9.69	54	32.51	42.91	25.48	56.59	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	47.55	-20.65	68.2	45.52	38.64	18.91	55.52	-	-	P	H
		10883	48.17	-25.83	74	45.71	38.87	18.99	55.4	-	-	P	H
		10883	37.89	-16.11	54	35.43	38.87	18.99	55.4	-	-	A	H
		14491	48.76	-25.24	74	40.94	40.4	21.75	54.33	-	-	P	H
		14491	40.16	-13.84	54	32.34	40.4	21.75	54.33	-	-	A	H
		15690	46.07	-27.93	74	40.48	37.74	22.76	54.91	-	-	P	H
		18000	54.15	-19.85	74	42.27	43	25.48	56.6	-	-	P	H
		18000	44.26	-9.74	54	32.38	43	25.48	56.6	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 46		10460	47.04	-21.16	68.2	45.01	38.64	18.91	55.52	-	-	P	V
5230MHz		10883	48.21	-25.79	74	45.75	38.87	18.99	55.4	-	-	P	V
		10883	37.89	-16.11	54	35.43	38.87	18.99	55.4	-	-	A	V
		14491	48.54	-25.46	74	40.72	40.4	21.75	54.33	-	-	P	V
		14491	40.19	-13.81	54	32.37	40.4	21.75	54.33	-	-	A	V
		15690	46.9	-27.1	74	41.31	37.74	22.76	54.91	-	-	P	V
		17978	54.48	-19.52	74	42.78	42.82	25.47	56.59	-	-	P	V
		17978	44.11	-9.89	54	32.41	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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		5149.76	54.12	-19.88	74	39.75	31.8	12.03	29.46	303	66	P	H
		5149.76	46.69	-7.31	54	32.32	31.8	12.03	29.46	303	66	A	H
	*	5210	93.67	-	-	79.47	31.54	12.14	29.48	303	66	P	H
	*	5210	86.65	-	-	72.45	31.54	12.14	29.48	303	66	A	H
		5424.44	52.79	-21.21	74	37.94	31.6	12.8	29.55	303	66	P	H
		5436.48	45.73	-8.27	54	30.82	31.65	12.81	29.55	303	66	A	H
		5148.46	58.3	-15.7	74	43.93	31.8	12.03	29.46	100	307	P	V
		5140.92	50.34	-3.66	54	35.96	31.82	12.02	29.46	100	307	A	V
	*	5210	97.88	-	-	83.68	31.54	12.14	29.48	100	307	P	V
	*	5210	91.03	-	-	76.83	31.54	12.14	29.48	100	307	A	V
		5419.12	54.02	-19.98	74	39.18	31.58	12.8	29.54	100	307	P	V
		5368.72	45.64	-8.36	54	31.18	31.31	12.68	29.53	100	307	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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	47.37	-20.83	68.2	45.33	38.68	18.91	55.55	-	-	P	H
		10883	48.24	-25.76	74	45.78	38.87	18.99	55.4	-	-	P	H
		10883	37.85	-16.15	54	35.39	38.87	18.99	55.4	-	-	A	H
		14491	48.2	-25.8	74	40.38	40.4	21.75	54.33	-	-	P	H
		14491	39.98	-14.02	54	32.16	40.4	21.75	54.33	-	-	A	H
		15630	47.07	-26.93	74	41.19	37.98	22.72	54.82	-	-	P	H
		17967	54.08	-19.92	74	42.46	42.74	25.46	56.58	-	-	P	H
		17967	44.09	-9.91	54	32.47	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 42		10420	47.65	-20.55	68.2	45.61	38.68	18.91	55.55	-	-	P	V
5210MHz		10883	48.08	-25.92	74	45.62	38.87	18.99	55.4	-	-	P	V
		10883	37.88	-16.12	54	35.42	38.87	18.99	55.4	-	-	A	V
		14491	48.4	-25.6	74	40.58	40.4	21.75	54.33	-	-	P	V
		14491	39.7	-14.3	54	31.88	40.4	21.75	54.33	-	-	A	V
		15630	46.95	-27.05	74	41.07	37.98	22.72	54.82	-	-	P	V
		17956	54.35	-19.65	74	42.81	42.65	25.46	56.57	-	-	P	V
		17956	44.14	-9.86	54	32.6	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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		5149.6	54.37	-19.63	74	38.9	32.9	12.03	29.46	297	65	P	H
		5078.2	43.8	-10.2	54	28.29	33.03	11.92	29.44	297	65	A	H
	*	5260	101.52	-	-	85.78	32.92	12.31	29.49	297	65	P	H
	*	5260	93.89	-	-	78.15	32.92	12.31	29.49	297	65	A	H
		5424	55.23	-18.77	74	39.08	32.9	12.8	29.55	297	65	P	H
		5401.92	44.34	-9.66	54	28.19	32.9	12.79	29.54	297	65	A	H
		5093.5	54.2	-19.8	74	38.55	33.15	11.94	29.44	101	346	P	V
		5112.88	43.96	-10.04	54	28.32	33.12	11.97	29.45	101	346	A	V
	*	5260	105.09	-	-	89.35	32.92	12.31	29.49	101	346	P	V
	*	5260	97.6	-	-	81.86	32.92	12.31	29.49	101	346	A	V
		5453.04	55.24	-18.76	74	39.09	32.89	12.81	29.55	101	346	P	V
		5417.76	44.39	-9.61	54	28.23	32.9	12.8	29.54	101	346	A	V
802.11a CH 60 5300MHz		5015.3	53.82	-20.18	74	38.4	33.01	11.82	29.41	308	68	P	H
		5086.02	43.95	-10.05	54	28.37	33.09	11.93	29.44	308	68	A	H
	*	5300	102.73	-	-	86.79	33	12.45	29.51	308	68	P	H
	*	5300	94.84	-	-	78.9	33	12.45	29.51	308	68	A	H
		5443.68	55.44	-18.56	74	39.28	32.9	12.81	29.55	308	68	P	H
		5451.84	44.32	-9.68	54	28.16	32.9	12.81	29.55	308	68	A	H
		5143.82	54.15	-19.85	74	38.65	32.94	12.02	29.46	101	346	P	V
		5094.86	43.94	-10.06	54	28.27	33.16	11.95	29.44	101	346	A	V
	*	5300	105.66	-	-	89.72	33	12.45	29.51	101	346	P	V
	*	5300	97.71	-	-	81.77	33	12.45	29.51	101	346	A	V
		5412.96	55.03	-18.97	74	38.87	32.9	12.8	29.54	101	346	P	V
		5379.84	44.59	-9.41	54	28.54	32.86	12.72	29.53	101	346	A	V

802.11a CH 64 5320MHz	*	5320	99.65	-	-	83.72	32.92	12.52	29.51	101	2	P	H
	*	5320	92.27	-	-	76.34	32.92	12.52	29.51	101	2	A	H
		5410.24	55.18	-18.82	74	39.03	32.9	12.79	29.54	101	2	P	H
		5393.76	44.37	-9.63	54	28.25	32.89	12.77	29.54	101	2	A	H
													H
													H
	*	5320	105.54	-	-	89.61	32.92	12.52	29.51	100	347	P	V
	*	5320	97.55	-	-	81.62	32.92	12.52	29.51	100	347	A	V
		5410.24	55.69	-18.31	74	39.54	32.9	12.79	29.54	100	347	P	V
		5351.36	45.04	-8.96	54	29.14	32.8	12.62	29.52	100	347	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.57	-20.63	68.2	45.45	38.68	18.93	55.49	-	-	P	H
		10883	48.09	-25.91	74	45.63	38.87	18.99	55.4	-	-	P	H
		10883	37.87	-16.13	54	35.41	38.87	18.99	55.4	-	-	A	H
		14491	49.76	-24.24	74	41.94	40.4	21.75	54.33	-	-	P	H
		14491	39.99	-14.01	54	32.17	40.4	21.75	54.33	-	-	A	H
		15780	47.24	-26.76	74	41.76	37.7	22.83	55.05	-	-	P	H
		17978	54.43	-19.57	74	42.73	42.82	25.47	56.59	-	-	P	H
		17978	44.2	-9.8	54	32.5	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
													H
		10520	46.8	-21.4	68.2	44.68	38.68	18.93	55.49	-	-	P	V
		10883	48.18	-25.82	74	45.72	38.87	18.99	55.4	-	-	P	V
		10883	37.86	-16.14	54	35.4	38.87	18.99	55.4	-	-	A	V
		14491	48.89	-25.11	74	41.07	40.4	21.75	54.33	-	-	P	V
		14491	39.75	-14.25	54	31.93	40.4	21.75	54.33	-	-	A	V
		15780	47.94	-26.06	74	42.46	37.7	22.83	55.05	-	-	P	V
		17956	55.41	-18.59	74	43.87	42.65	25.46	56.57	-	-	P	V
		17956	44.16	-9.84	54	32.62	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.59	-26.41	74	45.11	39	18.95	55.47	-	-	P	H
		10883	48.16	-25.84	74	45.7	38.87	18.99	55.4	-	-	P	H
		10883	37.8	-16.2	54	35.34	38.87	18.99	55.4	-	-	A	H
		14491	48.65	-25.35	74	40.83	40.4	21.75	54.33	-	-	P	H
		14491	39.6	-14.4	54	31.78	40.4	21.75	54.33	-	-	A	H
		15900	47.05	-26.95	74	41.48	37.9	22.9	55.23	-	-	P	H
		17956	54.54	-19.46	74	43	42.65	25.46	56.57	-	-	P	H
		17956	44.08	-9.92	54	32.54	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
802.11a													H
CH 60		10600	47.82	-26.18	74	45.34	39	18.95	55.47	-	-	P	V
5300MHz		10883	49.03	-24.97	74	46.57	38.87	18.99	55.4	-	-	P	V
		10883	38.05	-15.95	54	35.59	38.87	18.99	55.4	-	-	A	V
		14491	49.53	-24.47	74	41.71	40.4	21.75	54.33	-	-	P	V
		14491	40.07	-13.93	54	32.25	40.4	21.75	54.33	-	-	A	V
		15900	46.86	-27.14	74	41.29	37.9	22.9	55.23	-	-	P	V
		17967	53.75	-20.25	74	42.13	42.74	25.46	56.58	-	-	P	V
		17967	44.22	-9.78	54	32.6	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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	47.88	-26.12	74	45.39	39	18.95	55.46	-	-	P	H
		10883	48.12	-25.88	74	45.66	38.87	18.99	55.4	-	-	P	H
		10883	37.58	-16.42	54	35.12	38.87	18.99	55.4	-	-	A	H
		14491	48.97	-25.03	74	41.15	40.4	21.75	54.33	-	-	P	H
		14491	39.9	-14.1	54	32.08	40.4	21.75	54.33	-	-	A	H
		15960	46.1	-27.9	74	40.75	37.72	22.95	55.32	-	-	P	H
		17901	54.27	-19.73	74	43.16	42.21	25.43	56.53	-	-	P	H
		17901	43.97	-10.03	54	32.86	42.21	25.43	56.53	-	-	A	H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	47.66	-26.34	74	45.17	39	18.95	55.46	-	-	P	V
		10883	48.24	-25.76	74	45.78	38.87	18.99	55.4	-	-	P	V
		10883	38.04	-15.96	54	35.58	38.87	18.99	55.4	-	-	A	V
		14491	48.4	-25.6	74	40.58	40.4	21.75	54.33	-	-	P	V
		14491	40.24	-13.76	54	32.42	40.4	21.75	54.33	-	-	A	V
		15960	46.04	-27.96	74	40.69	37.72	22.95	55.32	-	-	P	V
		17901	53.94	-20.06	74	42.83	42.21	25.43	56.53	-	-	P	V
		17901	44.02	-9.98	54	32.91	42.21	25.43	56.53	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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 54 5270MHz		5141.1	54.01	-19.99	74	38.5	32.95	12.02	29.46	112	9	P	H
		5120.02	44.8	-9.2	54	29.18	33.08	11.99	29.45	112	9	A	H
	*	5270	97.04	-	-	81.25	32.94	12.35	29.5	112	9	P	H
	*	5270	89.5	-	-	73.71	32.94	12.35	29.5	112	9	A	H
		5457.84	54.39	-19.61	74	38.25	32.88	12.82	29.56	112	9	P	H
		5401.44	45.29	-8.71	54	29.14	32.9	12.79	29.54	112	9	A	H
		5124.1	54.7	-19.3	74	39.1	33.06	11.99	29.45	100	345	P	V
		5086.36	44.82	-9.18	54	29.24	33.09	11.93	29.44	100	345	A	V
	*	5270	102.2	-	-	86.41	32.94	12.35	29.5	100	345	P	V
	*	5270	94.71	-	-	78.92	32.94	12.35	29.5	100	345	A	V
		5369.76	55.56	-18.44	74	39.56	32.84	12.69	29.53	100	345	P	V
		5395.92	45.28	-8.72	54	29.15	32.89	12.78	29.54	100	345	A	V
802.11n HT40 CH 62 5310MHz		5142.46	53.79	-20.21	74	39.41	31.82	12.02	29.46	307	65	P	H
		5129.88	43.53	-10.47	54	29.14	31.84	12	29.45	307	65	A	H
	*	5310	98.81	-	-	84.48	31.36	12.48	29.51	307	65	P	H
	*	5310	91.87	-	-	77.54	31.36	12.48	29.51	307	65	A	H
		5350.08	60.61	-13.39	74	46.31	31.2	12.62	29.52	307	65	P	H
		5350.8	47.04	-6.96	54	32.74	31.2	12.62	29.52	307	65	A	H
		5149.26	53.89	-20.11	74	39.52	31.8	12.03	29.46	100	308	P	V
		5118.32	43.64	-10.36	54	29.25	31.86	11.98	29.45	100	308	A	V
	*	5310	102.1	-	-	87.77	31.36	12.48	29.51	100	308	P	V
	*	5310	95.01	-	-	80.68	31.36	12.48	29.51	100	308	A	V
		5350.08	63.93	-10.07	74	49.63	31.2	12.62	29.52	100	308	P	V
		5350.08	49.34	-4.66	54	35.04	31.2	12.62	29.52	100	308	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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	47.75	-20.45	68.2	45.53	38.76	18.94	55.48	-	-	P	H
		10883	48.13	-25.87	74	45.67	38.87	18.99	55.4	-	-	P	H
		10883	38.03	-15.97	54	35.57	38.87	18.99	55.4	-	-	A	H
		14491	48.92	-25.08	74	41.1	40.4	21.75	54.33	-	-	P	H
		14491	40.05	-13.95	54	32.23	40.4	21.75	54.33	-	-	A	H
		15810	46.41	-27.59	74	40.93	37.72	22.85	55.09	-	-	P	H
		17890	54.16	-19.84	74	43.19	42.08	25.42	56.53	-	-	P	H
		17890	44.13	-9.87	54	33.16	42.08	25.42	56.53	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 54		10540	47.36	-20.84	68.2	45.14	38.76	18.94	55.48	-	-	P	V
5270MHz		10883	48.32	-25.68	74	45.86	38.87	18.99	55.4	-	-	P	V
		10883	37.85	-16.15	54	35.39	38.87	18.99	55.4	-	-	A	V
		14491	48.77	-25.23	74	40.95	40.4	21.75	54.33	-	-	P	V
		14491	40.17	-13.83	54	32.35	40.4	21.75	54.33	-	-	A	V
		15810	46.28	-27.72	74	40.8	37.72	22.85	55.09	-	-	P	V
		17967	53.93	-20.07	74	42.31	42.74	25.46	56.58	-	-	P	V
		17967	44.28	-9.72	54	32.66	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	47.74	-26.26	74	45.25	39	18.95	55.46	-	-	P	H
		10883	48.26	-25.74	74	45.8	38.87	18.99	55.4	-	-	P	H
		10883	37.81	-16.19	54	35.35	38.87	18.99	55.4	-	-	A	H
		14491	49.26	-24.74	74	41.44	40.4	21.75	54.33	-	-	P	H
		14491	40.23	-13.77	54	32.41	40.4	21.75	54.33	-	-	A	H
		15930	46.37	-27.63	74	40.9	37.81	22.93	55.27	-	-	P	H
		17967	54.53	-19.47	74	42.91	42.74	25.46	56.58	-	-	P	H
		17967	44.16	-9.84	54	32.54	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 62		10620	47.85	-26.15	74	45.36	39	18.95	55.46	-	-	P	V
5310MHz		10883	48.46	-25.54	74	46	38.87	18.99	55.4	-	-	P	V
		10883	38.04	-15.96	54	35.58	38.87	18.99	55.4	-	-	A	V
		14491	48.73	-25.27	74	40.91	40.4	21.75	54.33	-	-	P	V
		14491	40	-14	54	32.18	40.4	21.75	54.33	-	-	A	V
		15930	46.76	-27.24	74	41.29	37.81	22.93	55.27	-	-	P	V
		17956	54.7	-19.3	74	43.16	42.65	25.46	56.57	-	-	P	V
		17956	44.27	-9.73	54	32.73	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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		5097.24	52.99	-21.01	74	38.59	31.89	11.95	29.44	308	64	P	H
		5082.96	45.39	-8.61	54	31.07	31.83	11.93	29.44	308	64	A	H
	*	5290	94.36	-	-	80.06	31.38	12.42	29.5	308	64	P	H
	*	5290	87.58	-	-	73.28	31.38	12.42	29.5	308	64	A	H
		5352.48	55.39	-18.61	74	41.07	31.21	12.63	29.52	308	64	P	H
		5353.2	49.18	-4.82	54	34.85	31.22	12.63	29.52	308	64	A	H
		5127.5	53.15	-20.85	74	38.76	31.84	12	29.45	103	307	P	V
		5040.8	45.37	-8.63	54	31.25	31.68	11.86	29.42	103	307	A	V
	*	5290	97.26	-	-	82.96	31.38	12.42	29.5	103	307	P	V
	*	5290	90.17	-	-	75.87	31.38	12.42	29.5	103	307	A	V
		5352	58.2	-15.8	74	43.88	31.21	12.63	29.52	103	307	P	V
		5350.32	50.41	-3.59	54	36.11	31.2	12.62	29.52	103	307	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	47.29	-20.91	68.2	44.9	38.92	18.94	55.47	-	-	P	H
		10883	48.52	-25.48	74	46.06	38.87	18.99	55.4	-	-	P	H
		10883	37.63	-16.37	54	35.17	38.87	18.99	55.4	-	-	A	H
		14491	49.07	-24.93	74	41.25	40.4	21.75	54.33	-	-	P	H
		14491	40.15	-13.85	54	32.33	40.4	21.75	54.33	-	-	A	H
		15870	47.1	-26.9	74	41.55	37.84	22.89	55.18	-	-	P	H
		17989	53.73	-20.27	74	41.93	42.91	25.48	56.59	-	-	P	H
		17989	44.16	-9.84	54	32.36	42.91	25.48	56.59	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 58		10580	47.27	-20.93	68.2	44.88	38.92	18.94	55.47	-	-	P	V
5290MHz		10883	48.36	-25.64	74	45.9	38.87	18.99	55.4	-	-	P	V
		10883	37.94	-16.06	54	35.48	38.87	18.99	55.4	-	-	A	V
		14491	48.28	-25.72	74	40.46	40.4	21.75	54.33	-	-	P	V
		14491	39.78	-14.22	54	31.96	40.4	21.75	54.33	-	-	A	V
		15870	47.04	-26.96	74	41.49	37.84	22.89	55.18	-	-	P	V
		17945	54.31	-19.69	74	42.86	42.56	25.45	56.56	-	-	P	V
		17945	44.1	-9.9	54	32.65	42.56	25.45	56.56	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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		5404	56.7	-17.3	74	40.55	32.9	12.79	29.54	304	62	P	H
		5469.28	54.94	-13.26	68.2	38.82	32.86	12.82	29.56	304	62	P	H
		5433.04	44.42	-9.58	54	28.27	32.9	12.8	29.55	304	62	A	H
	*	5500	103.28	-	-	87.21	32.8	12.84	29.57	304	62	P	H
	*	5500	95.86	-	-	79.79	32.8	12.84	29.57	304	62	A	H
													H
		5400.64	56.13	-17.87	74	39.98	32.9	12.79	29.54	100	347	P	V
		5468.8	55.02	-13.18	68.2	38.9	32.86	12.82	29.56	100	347	P	V
		5452.72	44.91	-9.09	54	28.76	32.89	12.81	29.55	100	347	A	V
	*	5500	106.6	-	-	90.53	32.8	12.84	29.57	100	347	P	V
	*	5500	98.06	-	-	81.99	32.8	12.84	29.57	100	347	A	V
													V
802.11a CH 116 5580MHz		5402.8	54.37	-19.63	74	38.22	32.9	12.79	29.54	297	62	P	H
		5469.52	53.11	-15.09	68.2	36.99	32.86	12.82	29.56	297	62	P	H
		5410.24	44.13	-9.87	54	27.98	32.9	12.79	29.54	297	62	A	H
	*	5580	104.19	-	-	87.86	33.04	12.87	29.58	297	62	P	H
	*	5580	96.38	-	-	80.05	33.04	12.87	29.58	297	62	A	H
		5741.375	54.84	-13.36	68.2	37.94	33.55	12.96	29.61	297	62	P	H
		5412.88	54.64	-19.36	74	38.48	32.9	12.8	29.54	100	343	P	V
		5463.52	53.77	-14.43	68.2	37.64	32.87	12.82	29.56	100	343	P	V
		5396.08	44.63	-9.37	54	28.5	32.89	12.78	29.54	100	343	A	V
	*	5580	106.15	-	-	89.82	33.04	12.87	29.58	100	343	P	V
	*	5580	98.43	-	-	82.1	33.04	12.87	29.58	100	343	A	V
		5756.495	55.95	-12.25	68.2	38.99	33.61	12.97	29.62	100	343	P	V

802.11a CH 140 5700MHz	*	5700	102.34	-	-	87.22	31.8	12.93	29.61	257	66	P	H
	*	5700	94.77	-	-	79.65	31.8	12.93	29.61	257	66	A	H
		5762.28	54.3	-13.9	68.2	38.95	32	12.97	29.62	257	66	P	H
													H
													H
													H
	*	5700	107.03	-	-	91.91	31.8	12.93	29.61	100	293	P	V
	*	5700	99.47	-	-	84.35	31.8	12.93	29.61	100	293	A	V
		5725.88	62.13	-6.07	68.2	46.89	31.9	12.95	29.61	100	293	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		10883	48.02	-25.98	74	45.56	38.87	18.99	55.4	-	-	P	H
		10883	37.62	-16.38	54	35.16	38.87	18.99	55.4	-	-	A	H
		11000	47.77	-26.23	74	45.23	38.9	19.01	55.37	-	-	P	H
		14491	49.16	-24.84	74	41.34	40.4	21.75	54.33	-	-	P	H
		14491	40.29	-13.71	54	32.47	40.4	21.75	54.33	-	-	A	H
		16500	48.32	-19.88	68.2	40.7	38.5	23.98	54.86	-	-	P	H
		17890	54.43	-19.57	74	43.46	42.08	25.42	56.53	-	-	P	H
		17890	44.03	-9.97	54	33.06	42.08	25.42	56.53	-	-	A	H
													H
													H
													H
802.11a CH 100 5500MHz													H
		10883	48.12	-25.88	74	45.66	38.87	18.99	55.4	-	-	P	V
		10883	37.86	-16.14	54	35.4	38.87	18.99	55.4	-	-	A	V
		11000	47.94	-26.06	74	45.4	38.9	19.01	55.37	-	-	P	V
		14491	49.52	-24.48	74	41.7	40.4	21.75	54.33	-	-	P	V
		14491	39.81	-14.19	54	31.99	40.4	21.75	54.33	-	-	A	V
		16500	48.62	-19.58	68.2	41	38.5	23.98	54.86	-	-	P	V
		17978	54.27	-19.73	74	42.57	42.82	25.47	56.59	-	-	P	V
		17978	44.46	-9.54	54	32.76	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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)
		10883	48.16	-25.84	74	45.7	38.87	18.99	55.4	-	-	P	H
		10883	37.75	-16.25	54	35.29	38.87	18.99	55.4	-	-	A	H
		11160	47.81	-26.19	74	45.01	38.96	19.09	55.25	-	-	P	H
		14491	48.43	-25.57	74	40.61	40.4	21.75	54.33	-	-	P	H
		14491	39.76	-14.24	54	31.94	40.4	21.75	54.33	-	-	A	H
		16740	48.98	-19.22	68.2	41.65	37.88	24.46	55.01	-	-	P	H
		17934	54.34	-19.66	74	42.98	42.47	25.45	56.56	-	-	P	H
		17934	43.6	-10.4	54	32.24	42.47	25.45	56.56	-	-	A	H
													H
													H
													H
802.11a CH 116 5580MHz													H
		10880	48.46	-25.54	74	45.99	38.88	18.99	55.4	-	-	P	V
		10880	37.87	-16.13	54	35.4	38.88	18.99	55.4	-	-	A	V
		11160	47.89	-26.11	74	45.09	38.96	19.09	55.25	-	-	P	V
		14491	48.76	-25.24	74	40.94	40.4	21.75	54.33	-	-	P	V
		14491	39.7	-14.3	54	31.88	40.4	21.75	54.33	-	-	A	V
		16740	49.33	-18.87	68.2	42	37.88	24.46	55.01	-	-	P	V
		18000	54.36	-19.64	74	42.48	43	25.48	56.6	-	-	P	V
		18000	44.29	-9.71	54	32.41	43	25.48	56.6	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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		10883	48.39	-25.61	74	45.93	38.87	18.99	55.4	-	-	P	H
		10883	37.81	-16.19	54	35.35	38.87	18.99	55.4	-	-	A	H
		11400	47.85	-26.15	74	44.53	39.2	19.19	55.07	-	-	P	H
		14491	48.25	-25.75	74	40.43	40.4	21.75	54.33	-	-	P	H
		14491	40.43	-13.57	54	32.61	40.4	21.75	54.33	-	-	A	H
		17100	49.11	-19.09	68.2	41.78	37.7	25.03	55.4	-	-	P	H
		17967	54.95	-19.05	74	43.33	42.74	25.46	56.58	-	-	P	H
		17967	44	-10	54	32.38	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
		10880	48.37	-25.63	74	45.9	38.88	18.99	55.4	-	-	P	V
		10880	37.74	-16.26	54	35.27	38.88	18.99	55.4	-	-	A	V
		11400	47.81	-26.19	74	44.49	39.2	19.19	55.07	-	-	P	V
		14491	48.5	-25.5	74	40.68	40.4	21.75	54.33	-	-	P	V
		14491	39.98	-14.02	54	32.16	40.4	21.75	54.33	-	-	A	V
		17100	48.69	-19.51	68.2	41.36	37.7	25.03	55.4	-	-	P	V
		17934	54.73	-19.27	74	43.37	42.47	25.45	56.56	-	-	P	V
		17934	43.79	-10.21	54	32.43	42.47	25.45	56.56	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		5434.48	54.38	-19.62	74	39.48	31.64	12.81	29.55	337	66	P	H
		5470	62.98	-5.22	68.2	48.02	31.7	12.82	29.56	337	66	P	H
		5458.72	44.58	-9.42	54	29.62	31.7	12.82	29.56	337	66	A	H
	*	5510	100.76	-	-	85.77	31.72	12.84	29.57	337	66	P	H
802.11n	*	5510	93.14	-	-	78.15	31.72	12.84	29.57	337	66	A	H
HT40		5735.705	54.24	-13.96	68.2	38.96	31.94	12.95	29.61	337	66	P	H
CH 102		5458	56.88	-17.12	74	41.92	31.7	12.82	29.56	100	327	P	V
5510MHz		5469.76	63.77	-4.43	68.2	48.81	31.7	12.82	29.56	100	327	P	V
		5459.44	45.5	-8.5	54	30.54	31.7	12.82	29.56	100	327	A	V
	*	5510	102.93	-	-	87.94	31.72	12.84	29.57	100	327	P	V
	*	5510	95.44	-	-	80.45	31.72	12.84	29.57	100	327	A	V
		5754.605	54.08	-14.12	68.2	38.73	32	12.97	29.62	100	327	P	V
		5414.32	54.66	-19.34	74	38.5	32.9	12.8	29.54	301	63	P	H
		5463.52	54.44	-13.76	68.2	38.31	32.87	12.82	29.56	301	63	P	H
		5437.36	45.21	-8.79	54	29.05	32.9	12.81	29.55	301	63	A	H
	*	5550	101.63	-	-	85.55	32.8	12.86	29.58	301	63	P	H
802.11n	*	5550	93.83	-	-	77.75	32.8	12.86	29.58	301	63	A	H
HT40		5739.485	54.54	-13.66	68.2	37.65	33.54	12.96	29.61	301	63	P	H
CH 110		5381.44	55.12	-18.88	74	39.06	32.86	12.73	29.53	100	348	P	V
5550MHz		5466.16	54.52	-13.68	68.2	38.39	32.87	12.82	29.56	100	348	P	V
		5430.16	45.46	-8.54	54	29.31	32.9	12.8	29.55	100	348	A	V
	*	5550	103.13	-	-	87.05	32.8	12.86	29.58	100	348	P	V
	*	5550	95.86	-	-	79.78	32.8	12.86	29.58	100	348	A	V
		5757.125	57.01	-11.19	68.2	40.05	33.61	12.97	29.62	100	348	P	V

		5388.15	54.99	-19.01	74	38.89	32.88	12.75	29.53	258	70	P	H
		5463.4	52.96	-15.24	68.2	36.83	32.87	12.82	29.56	258	70	P	H
		5406	45.19	-8.81	54	29.04	32.9	12.79	29.54	258	70	A	H
	*	5670	100.05	-	-	83.43	33.3	12.92	29.6	258	70	P	H
802.11n	*	5670	92.98	-	-	76.36	33.3	12.92	29.6	258	70	A	H
HT40		5725.625	58.7	-9.5	68.2	41.91	33.45	12.95	29.61	258	70	P	H
CH 134		5438.55	54.13	-19.87	74	37.97	32.9	12.81	29.55	100	343	P	V
5670MHz		5461.3	52.35	-15.85	68.2	36.21	32.88	12.82	29.56	100	343	P	V
		5414.75	45.09	-8.91	54	28.93	32.9	12.8	29.54	100	343	A	V
	*	5670	103.94	-	-	87.32	33.3	12.92	29.6	100	343	P	V
	*	5670	96.41	-	-	79.79	33.3	12.92	29.6	100	343	A	V
		5725.8	61.78	-6.42	68.2	44.99	33.45	12.95	29.61	100	343	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		10883	48.45	-25.55	74	45.99	38.87	18.99	55.4	-	-	P	H
		10883	37.82	-16.18	54	35.36	38.87	18.99	55.4	-	-	A	H
		11020	47.72	-26.28	74	45.16	38.9	19.02	55.36	-	-	P	H
		14491	48.53	-25.47	74	40.71	40.4	21.75	54.33	-	-	P	H
		14491	39.99	-14.01	54	32.17	40.4	21.75	54.33	-	-	A	H
		16530	47.67	-20.53	68.2	40.07	38.44	24.04	54.88	-	-	P	H
		17890	54.7	-19.3	74	43.73	42.08	25.42	56.53	-	-	P	H
		17890	44.1	-9.9	54	33.13	42.08	25.42	56.53	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 102		10883	48.09	-25.91	74	45.63	38.87	18.99	55.4	-	-	P	V
5510MHz		10883	37.95	-16.05	54	35.49	38.87	18.99	55.4	-	-	A	V
		11020	47.45	-26.55	74	44.89	38.9	19.02	55.36	-	-	P	V
		14491	48.88	-25.12	74	41.06	40.4	21.75	54.33	-	-	P	V
		14491	39.68	-14.32	54	31.86	40.4	21.75	54.33	-	-	A	V
		16530	47.87	-20.33	68.2	40.27	38.44	24.04	54.88	-	-	P	V
		17879	54.21	-19.79	74	43.36	41.95	25.42	56.52	-	-	P	V
		17879	43.81	-10.19	54	32.96	41.95	25.42	56.52	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		10880	48.17	-25.83	74	45.7	38.88	18.99	55.4	-	-	P	H
		10880	37.81	-16.19	54	35.34	38.88	18.99	55.4	-	-	A	H
		11100	47.78	-26.22	74	45.12	38.9	19.06	55.3	-	-	P	H
		14491	49.05	-24.95	74	41.23	40.4	21.75	54.33	-	-	P	H
		14491	40.12	-13.88	54	32.3	40.4	21.75	54.33	-	-	A	H
		16650	48.5	-19.7	68.2	41.03	38.15	24.28	54.96	-	-	P	H
		17967	54.16	-19.84	74	42.54	42.74	25.46	56.58	-	-	P	H
		17967	44.47	-9.53	54	32.85	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 110		10883	48.37	-25.63	74	45.91	38.87	18.99	55.4	-	-	P	V
5550MHz		10883	37.77	-16.23	54	35.31	38.87	18.99	55.4	-	-	A	V
		11100	47.84	-26.16	74	45.18	38.9	19.06	55.3	-	-	P	V
		14491	49.12	-24.88	74	41.3	40.4	21.75	54.33	-	-	P	V
		14491	40.01	-13.99	54	32.19	40.4	21.75	54.33	-	-	A	V
		16650	47.98	-20.22	68.2	40.51	38.15	24.28	54.96	-	-	P	V
		17934	53.88	-20.12	74	42.52	42.47	25.45	56.56	-	-	P	V
		17934	44.04	-9.96	54	32.68	42.47	25.45	56.56	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (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)
		10883	48.12	-25.88	74	45.66	38.87	18.99	55.4	-	-	P	H
		10883	37.87	-16.13	54	35.41	38.87	18.99	55.4	-	-	A	H
		11340	47.86	-26.14	74	44.62	39.2	19.16	55.12	-	-	P	H
		14491	48.54	-25.46	74	40.72	40.4	21.75	54.33	-	-	P	H
		14491	39.64	-14.36	54	31.82	40.4	21.75	54.33	-	-	A	H
		17010	48.1	-20.1	68.2	40.61	37.7	24.99	55.2	-	-	P	H
		17967	53.73	-20.27	74	42.11	42.74	25.46	56.58	-	-	P	H
		17967	44.43	-9.57	54	32.81	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 134		10883	48.25	-25.75	74	45.79	38.87	18.99	55.4	-	-	P	V
5670MHz		10883	37.74	-16.26	54	35.28	38.87	18.99	55.4	-	-	A	V
		11340	47.35	-26.65	74	44.11	39.2	19.16	55.12	-	-	P	V
		14491	48.64	-25.36	74	40.82	40.4	21.75	54.33	-	-	P	V
		14491	39.74	-14.26	54	31.92	40.4	21.75	54.33	-	-	A	V
		17010	48.57	-19.63	68.2	41.08	37.7	24.99	55.2	-	-	P	V
		17956	53.54	-20.46	74	42	42.65	25.46	56.57	-	-	P	V
		17956	44.34	-9.66	54	32.8	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		5456.8	56.89	-17.11	74	41.93	31.7	12.82	29.56	317	68	P	H
		5466.16	57.85	-10.35	68.2	42.89	31.7	12.82	29.56	317	68	P	H
		5453.44	48.65	-5.35	54	33.7	31.7	12.81	29.56	317	68	A	H
	*	5530	96.92	-	-	81.89	31.76	12.85	29.58	317	68	P	H
802.11ac	*	5530	89.78	-	-	74.75	31.76	12.85	29.58	317	68	A	H
VHT80		5752.085	53.7	-14.5	68.2	38.36	32	12.96	29.62	317	68	P	H
CH 106		5459.92	58.82	-15.18	74	43.86	31.7	12.82	29.56	103	311	P	V
5530MHz		5468.8	60.85	-7.35	68.2	45.89	31.7	12.82	29.56	103	311	P	V
		5457.76	50.73	-3.27	54	35.77	31.7	12.82	29.56	103	311	A	V
	*	5530	99.46	-	-	84.43	31.76	12.85	29.58	103	311	P	V
	*	5530	91.7	-	-	76.67	31.76	12.85	29.58	103	311	A	V
		5748.305	54.47	-13.73	68.2	39.13	31.99	12.96	29.61	103	311	P	V
		5458.72	55.26	-18.74	74	39.12	32.88	12.82	29.56	282	70	P	H
		5464.72	55.53	-12.67	68.2	39.4	32.87	12.82	29.56	282	70	P	H
		5383.36	46.99	-7.01	54	30.92	32.87	12.73	29.53	282	70	A	H
	*	5610	98.32	-	-	81.8	33.22	12.89	29.59	282	70	P	H
802.11ac	*	5610	91.13	-	-	74.61	33.22	12.89	29.59	282	70	A	H
VHT80		5725	56.03	-12.17	68.2	39.24	33.45	12.95	29.61	282	70	P	H
CH 122		5446.24	54.06	-19.94	74	37.9	32.9	12.81	29.55	100	348	P	V
5610MHz		5464.72	53.45	-14.75	68.2	37.32	32.87	12.82	29.56	100	348	P	V
		5432.8	47.04	-6.96	54	30.89	32.9	12.8	29.55	100	348	A	V
	*	5610	100.98	-	-	84.46	33.22	12.89	29.59	100	348	P	V
	*	5610	93.46	-	-	76.94	33.22	12.89	29.59	100	348	A	V
		5732.24	56.51	-11.69	68.2	39.68	33.49	12.95	29.61	100	348	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		10883	48.12	-25.88	74	45.66	38.87	18.99	55.4	-	-	P	H
		10883	37.69	-16.31	54	35.23	38.87	18.99	55.4	-	-	A	H
		11060	47.14	-26.86	74	44.53	38.9	19.04	55.33	-	-	P	H
		14491	48.65	-25.35	74	40.83	40.4	21.75	54.33	-	-	P	H
		14491	39.76	-14.24	54	31.94	40.4	21.75	54.33	-	-	A	H
		16590	49.09	-19.11	68.2	41.53	38.32	24.16	54.92	-	-	P	H
		17956	54.56	-19.44	74	43.02	42.65	25.46	56.57	-	-	P	H
		17956	44.23	-9.77	54	32.69	42.65	25.46	56.57	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 106		10880	48.44	-25.56	74	45.97	38.88	18.99	55.4	-	-	P	V
5530MHz		10880	37.94	-16.06	54	35.47	38.88	18.99	55.4	-	-	A	V
		11060	47.31	-26.69	74	44.7	38.9	19.04	55.33	-	-	P	V
		14491	48.46	-25.54	74	40.64	40.4	21.75	54.33	-	-	P	V
		14491	39.97	-14.03	54	32.15	40.4	21.75	54.33	-	-	A	V
		16590	48.74	-19.46	68.2	41.18	38.32	24.16	54.92	-	-	P	V
		17890	54.51	-19.49	74	43.54	42.08	25.42	56.53	-	-	P	V
		17890	43.94	-10.06	54	32.97	42.08	25.42	56.53	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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)
		10883	48.04	-25.96	74	45.58	38.87	18.99	55.4	-	-	P	H
		10883	37.94	-16.06	54	35.48	38.87	18.99	55.4	-	-	A	H
		11220	47.41	-26.59	74	44.47	39.04	19.11	55.21	-	-	P	H
		14491	48.3	-25.7	74	40.48	40.4	21.75	54.33	-	-	P	H
		14491	40.33	-13.67	54	32.51	40.4	21.75	54.33	-	-	A	H
		16830	48.76	-19.44	68.2	41.48	37.7	24.65	55.07	-	-	P	H
		17967	54.92	-19.08	74	43.3	42.74	25.46	56.58	-	-	P	H
		17967	44.27	-9.73	54	32.65	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 122		10880	48.91	-25.09	74	46.44	38.88	18.99	55.4	-	-	P	V
5610MHz		10880	38.07	-15.93	54	35.6	38.88	18.99	55.4	-	-	A	V
		11220	47.22	-26.78	74	44.28	39.04	19.11	55.21	-	-	P	V
		14491	49.42	-24.58	74	41.6	40.4	21.75	54.33	-	-	P	V
		14491	40.25	-13.75	54	32.43	40.4	21.75	54.33	-	-	A	V
		16830	47.77	-20.43	68.2	40.49	37.7	24.65	55.07	-	-	P	V
		17868	53.54	-20.46	74	42.81	41.82	25.42	56.51	-	-	P	V
		17868	43.96	-10.04	54	33.23	41.82	25.42	56.51	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5451.01	54.77	-19.23	74	38.61	32.9	12.81	29.55	271	70	P	H
		5469.73	53.49	-14.71	68.2	37.37	32.86	12.82	29.56	271	70	P	H
		5395.24	44.41	-9.59	54	28.29	32.89	12.77	29.54	271	70	A	H
	*	5720	104.49	-	-	87.73	33.42	12.95	29.61	271	70	P	H
	*	5720	96.36	-	-	79.6	33.42	12.95	29.61	271	70	A	H
		5876.25	56.23	-11.97	68.2	39.13	34	12.74	29.64	271	70	P	H
		5445.94	54.16	-19.84	74	38	32.9	12.81	29.55	102	343	P	V
		5468.95	54.12	-14.08	68.2	38	32.86	12.82	29.56	102	343	P	V
		5406.55	44.2	-9.8	54	28.05	32.9	12.79	29.54	102	343	A	V
	*	5720	107.07	-	-	90.31	33.42	12.95	29.61	102	343	P	V
	*	5720	99.53	-	-	82.77	33.42	12.95	29.61	102	343	A	V
		5907.25	55.94	-12.26	68.2	38.93	34.01	12.64	29.64	102	343	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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		10883	48.19	-25.81	74	45.73	38.87	18.99	55.4	-	-	P	H
		10883	37.74	-16.26	54	35.28	38.87	18.99	55.4	-	-	A	H
		11440	47.53	-26.47	74	44.34	39.02	19.21	55.04	-	-	P	H
		14491	48.73	-25.27	74	40.91	40.4	21.75	54.33	-	-	P	H
		14491	39.68	-14.32	54	31.86	40.4	21.75	54.33	-	-	A	H
		17160	48.97	-19.23	68.2	41.74	37.7	25.06	55.53	-	-	P	H
		17989	54.02	-19.98	74	42.22	42.91	25.48	56.59	-	-	P	H
		17989	44.14	-9.86	54	32.34	42.91	25.48	56.59	-	-	A	H
													H
													H
													H
													H
		10880	48.26	-25.74	74	45.79	38.88	18.99	55.4	-	-	P	V
		10880	38.14	-15.86	54	35.67	38.88	18.99	55.4	-	-	A	V
		11440	47.36	-26.64	74	44.17	39.02	19.21	55.04	-	-	P	V
		14491	48.47	-25.53	74	40.65	40.4	21.75	54.33	-	-	P	V
		14491	39.98	-14.02	54	32.16	40.4	21.75	54.33	-	-	A	V
		17160	48.64	-19.56	68.2	41.41	37.7	25.06	55.53	-	-	P	V
		17967	53.65	-20.35	74	42.03	42.74	25.46	56.58	-	-	P	V
		17967	43.99	-10.01	54	32.37	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
4. The emission level close to 18GHz is checked that the average emission level is noise floor only.

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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		5401.09	54.68	-19.32	74	38.53	32.9	12.79	29.54	269	70	P	H
		5462.32	52.99	-15.21	68.2	36.85	32.88	12.82	29.56	269	70	P	H
		5414.35	45.2	-8.8	54	29.04	32.9	12.8	29.54	269	70	A	H
	*	5710	101	-	-	84.31	33.36	12.94	29.61	269	70	P	H
	*	5710	93.85	-	-	77.16	33.36	12.94	29.61	269	70	A	H
		5867.75	56.32	-11.88	68.2	39.19	34	12.77	29.64	269	70	P	H
		5411.62	54.08	-19.92	74	37.92	32.9	12.8	29.54	100	343	P	V
		5463.1	54.17	-14.03	68.2	38.04	32.87	12.82	29.56	100	343	P	V
		5393.29	45.08	-8.92	54	28.96	32.89	12.77	29.54	100	343	A	V
	*	5710	104.35	-	-	87.66	33.36	12.94	29.61	100	343	P	V
	*	5710	96.61	-	-	79.92	33.36	12.94	29.61	100	343	A	V
		5854.5	55.98	-12.22	68.2	38.8	34	12.81	29.63	100	343	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 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (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 138 5690MHz		5452.96	54.32	-19.68	74	38.17	32.89	12.81	29.55	268	70	P	H
		5467.78	53.99	-14.21	68.2	37.87	32.86	12.82	29.56	268	70	P	H
		5389	47.25	-6.75	54	31.15	32.88	12.75	29.53	268	70	A	H
	*	5690	98.27	-	-	81.64	33.3	12.93	29.6	268	70	P	H
	*	5690	90.89	-	-	74.26	33.3	12.93	29.6	268	70	A	H
		5855.5	56.46	-11.74	68.2	39.28	34	12.81	29.63	268	70	P	H
		5397.97	54.69	-19.31	74	38.55	32.9	12.78	29.54	100	344	P	V
		5459.98	54.37	-13.83	68.2	38.23	32.88	12.82	29.56	100	344	P	V
		5440.48	46.98	-7.02	54	30.82	32.9	12.81	29.55	100	344	A	V
	*	5690	101.08	-	-	84.45	33.3	12.93	29.6	100	344	P	V
	*	5690	93.1	-	-	76.47	33.3	12.93	29.6	100	344	A	V
		5889.25	56.28	-11.92	68.2	39.22	34	12.7	29.64	100	344	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		21176	37.19	-36.81	74	57.31	37.89	-3.31	54.7	-	-	P	H
		31572	42.67	-31.33	74	60.28	40.94	-1.98	56.57	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		21000	38.19	-35.81	74	58.14	38.1	-3.35	54.7	-	-	P	V
SHF		31334	42.33	-31.67	74	59.31	41.27	-2.02	56.23	-	-	P	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		33.88	21.87	-18.13	40	30.51	22.77	0.9	32.31	-	-	P	H
		109.54	26.1	-17.4	43.5	39.68	16.83	1.88	32.29	-	-	P	H
		158.04	29.54	-13.96	43.5	42.73	16.76	2.3	32.25	-	-	P	H
		309.36	25.97	-20.03	46	35.73	19.4	3.12	32.28	-	-	P	H
		775.93	31.6	-14.4	46	30.94	28.09	4.86	32.29	-	-	P	H
		937.92	34.93	-11.07	46	30.65	30.15	5.41	31.28	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		38.73	26.49	-13.51	40	37.62	20.15	1.02	32.3	-	-	P	V
LF		99.84	22.95	-20.55	43.5	37.57	15.87	1.81	32.3	-	-	P	V
		187.14	24.12	-19.38	43.5	39.05	14.83	2.47	32.23	-	-	P	V
		310.33	23.71	-22.29	46	33.45	19.42	3.12	32.28	-	-	P	V
		687.66	29.18	-16.82	46	30.66	26.36	4.57	32.41	-	-	P	V
		950.53	34.04	-11.96	46	29.21	30.57	5.46	31.2	-	-	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 with sufficient margin against limit line or noise floor only.

Note symbol

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

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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11b CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

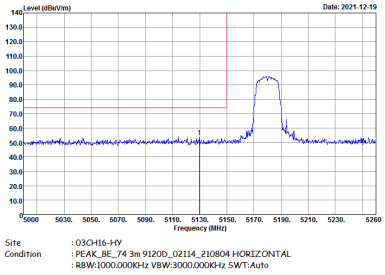
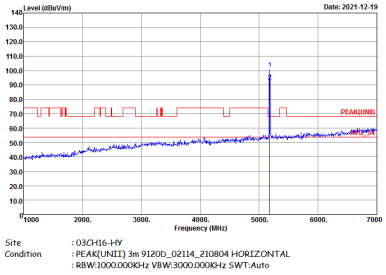
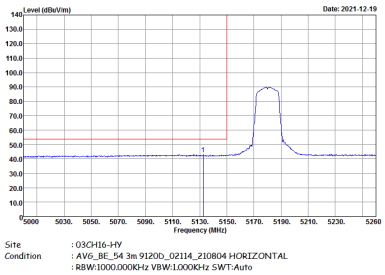
Test Engineer :	Karl Hou and Andy Yang	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

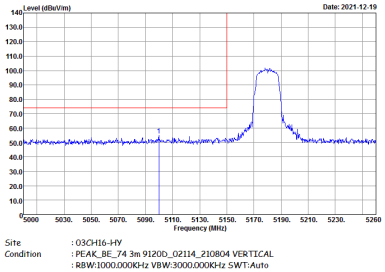
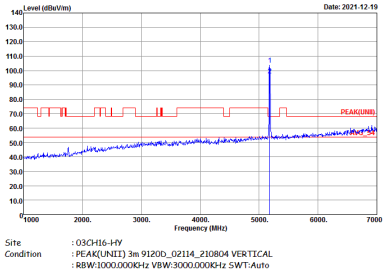
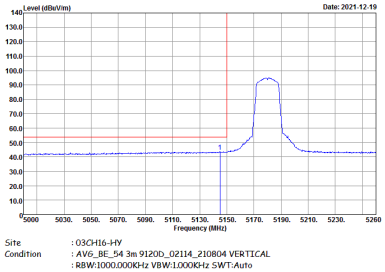
Note symbol

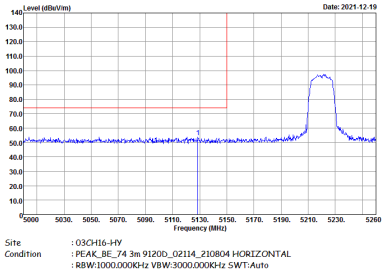
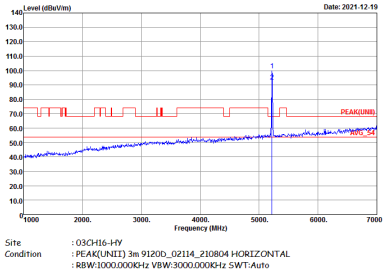
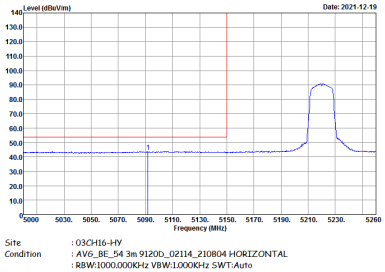
-L	**Low channel location**
-R	**High channel location**

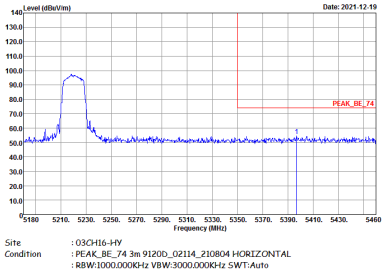
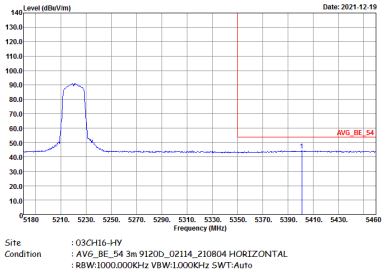
Band 1 - 5150~5250MHz

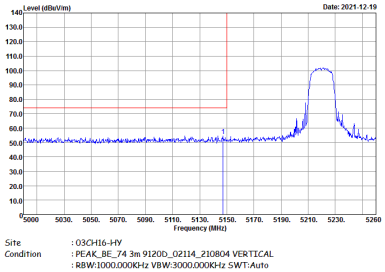
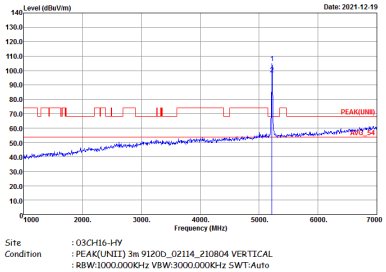
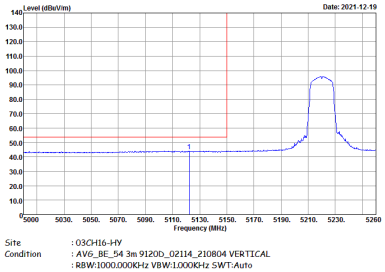
WIFI 802.11a (Band Edge @ 3m)

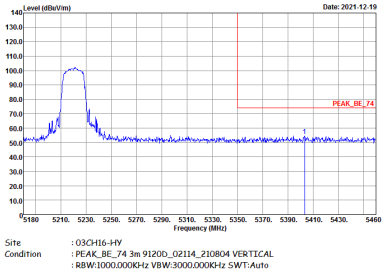
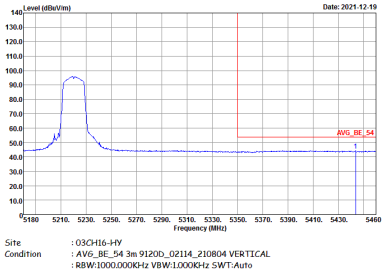
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

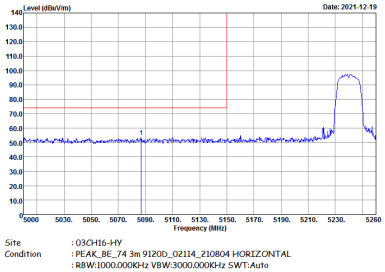
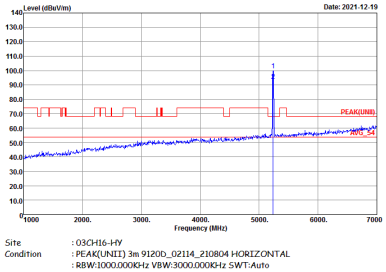
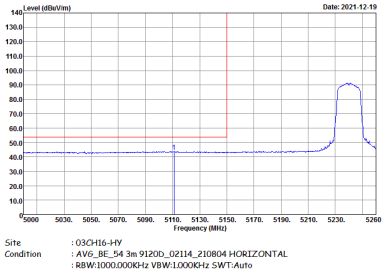
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

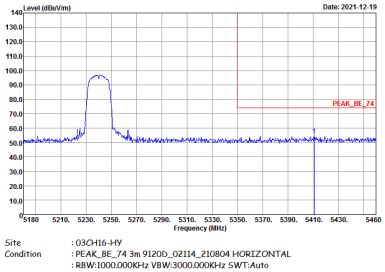
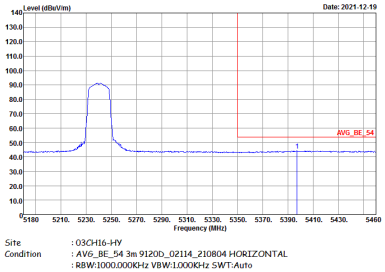
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

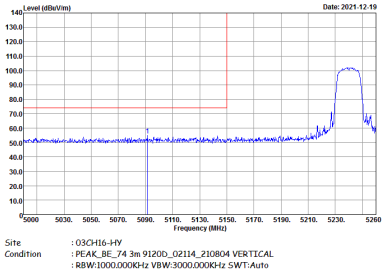
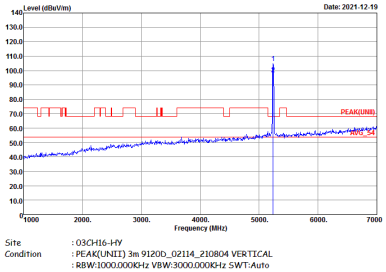
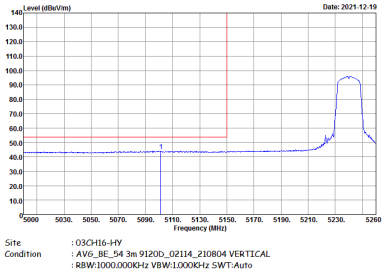
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

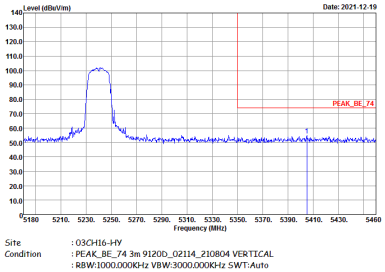
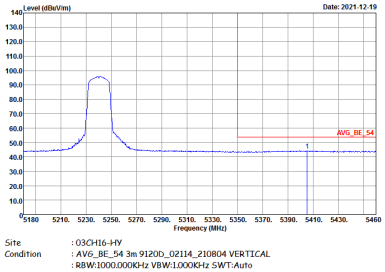
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

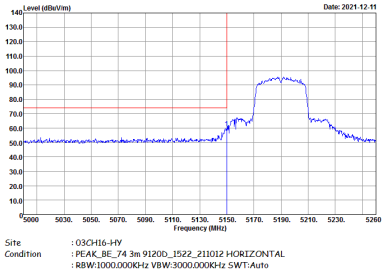
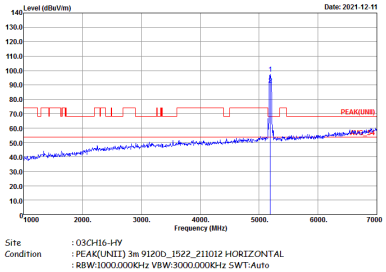
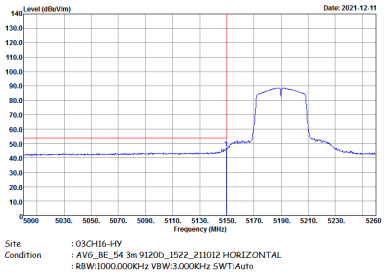
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

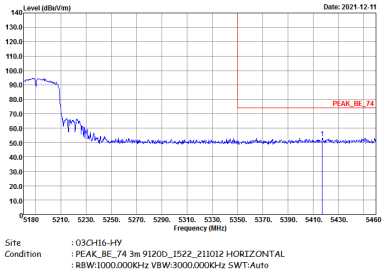
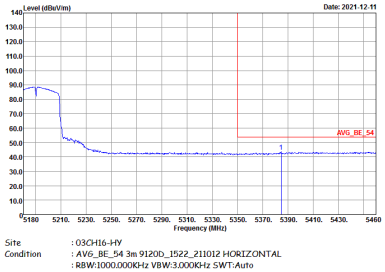
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

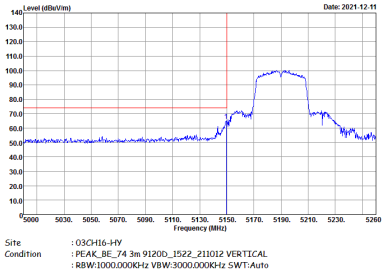
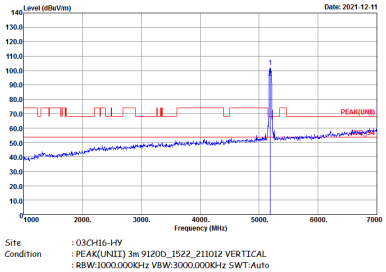
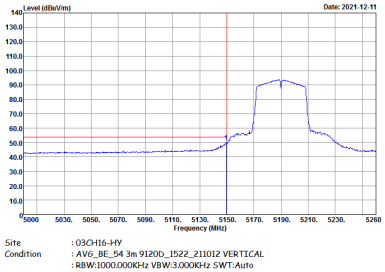
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

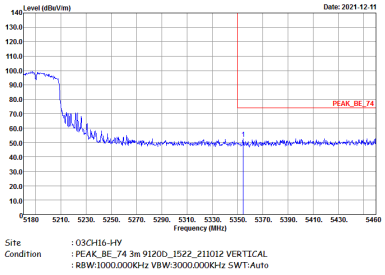
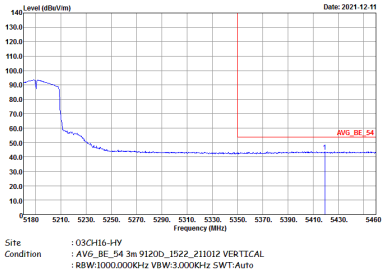
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

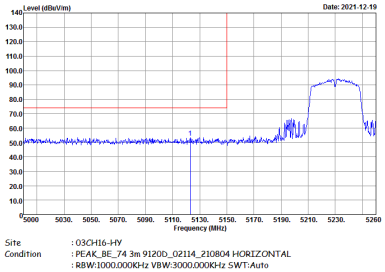
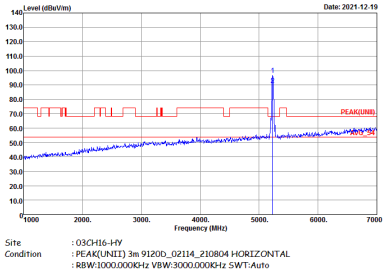
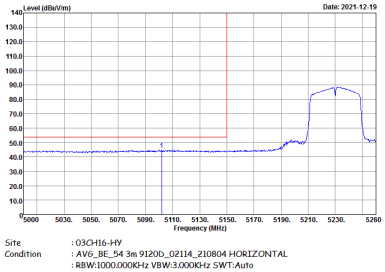
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

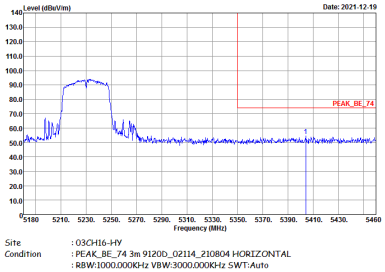
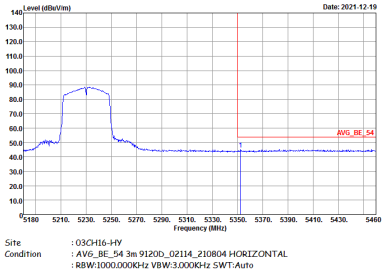
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

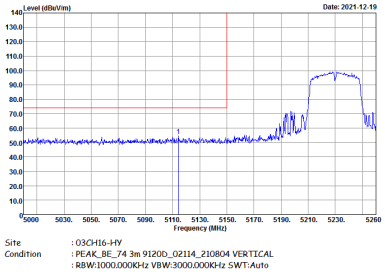
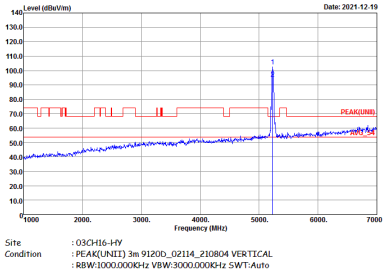
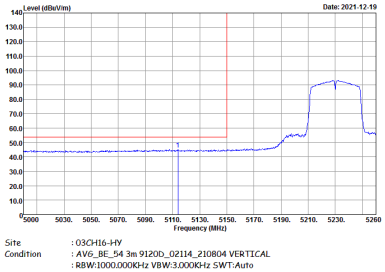
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

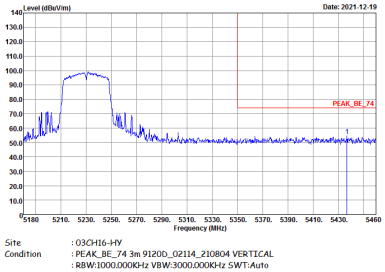
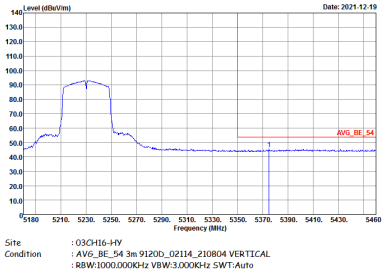
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

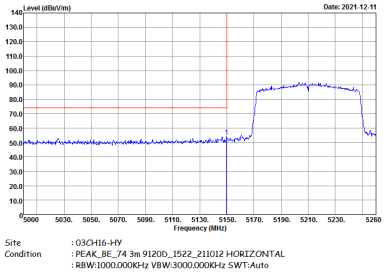
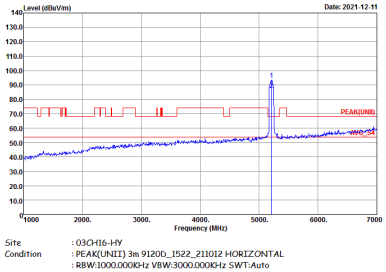
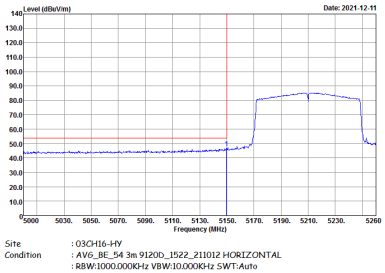
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

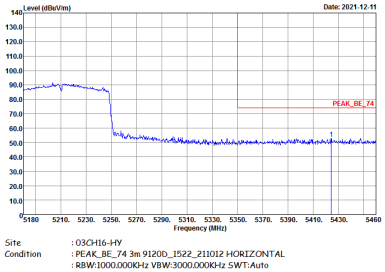
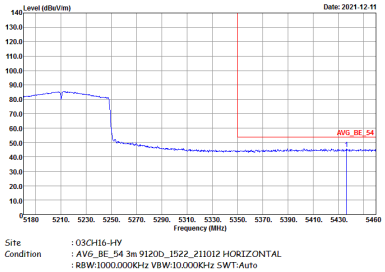
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

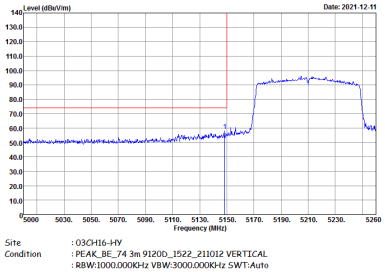
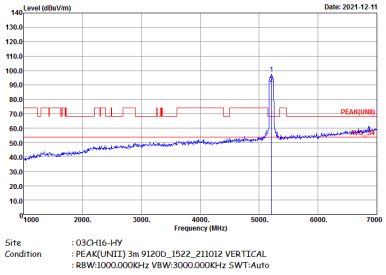
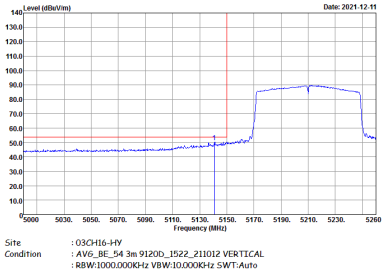
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

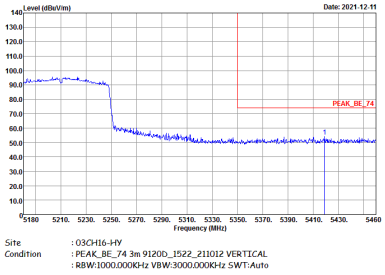
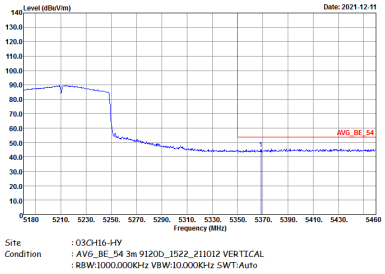
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

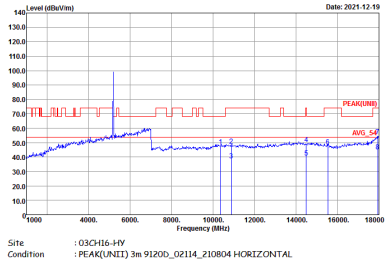
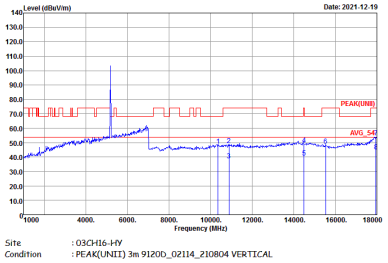
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

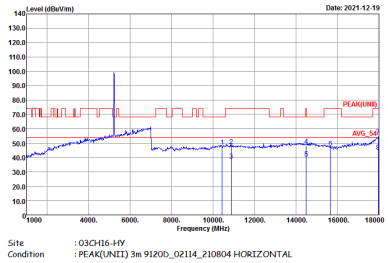
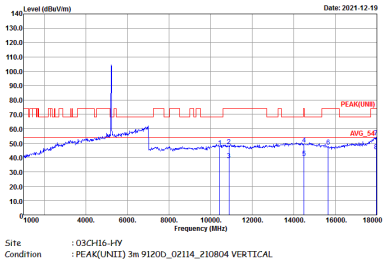
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

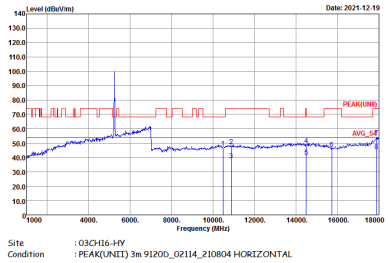
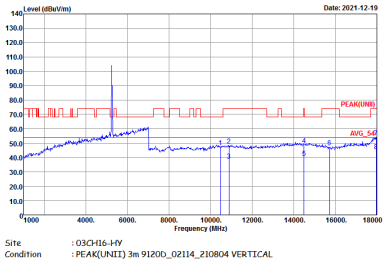
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

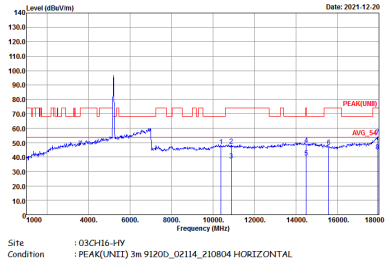
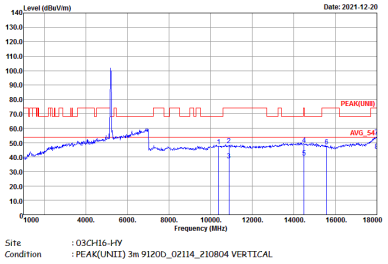
WIFI 802.11a (Harmonic @ 3m)

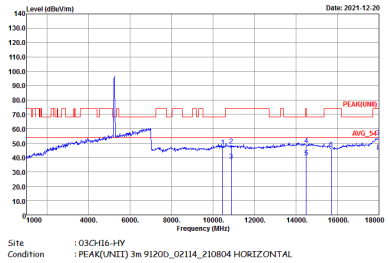
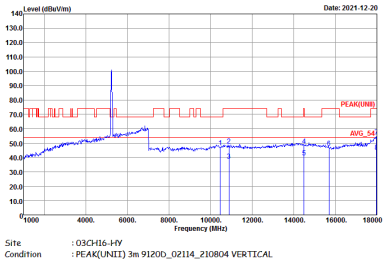
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

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

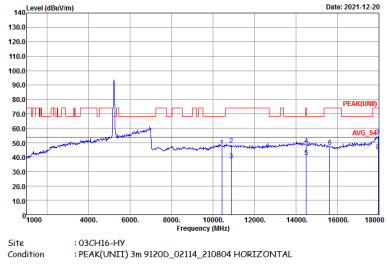
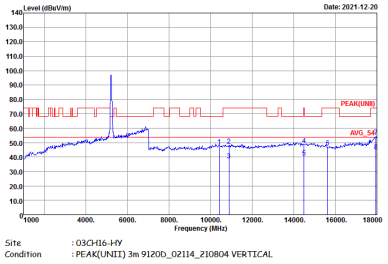
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.		

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

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

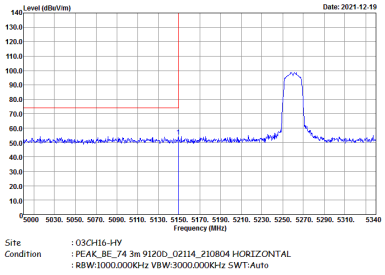
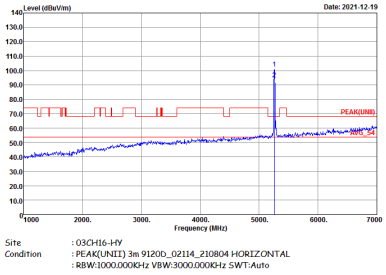
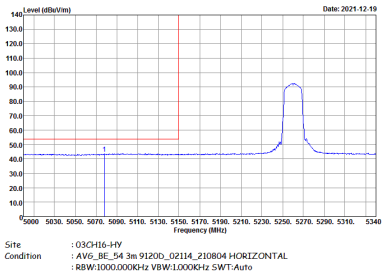
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.		

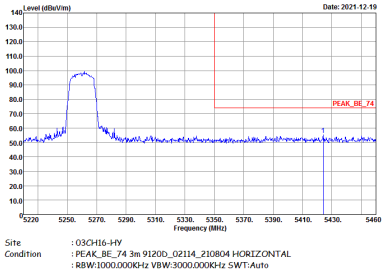
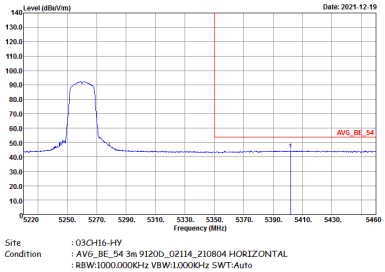
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

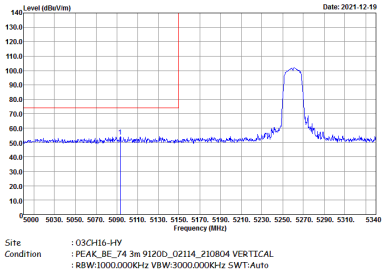
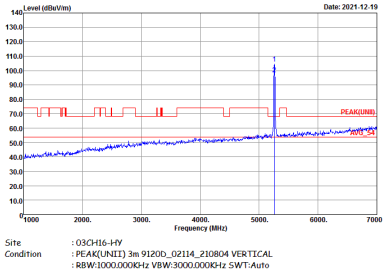
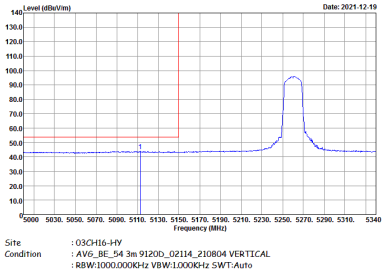
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

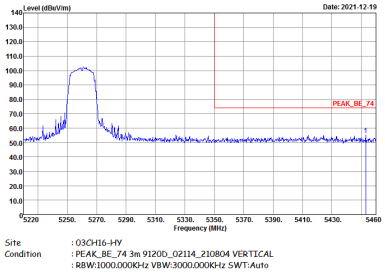
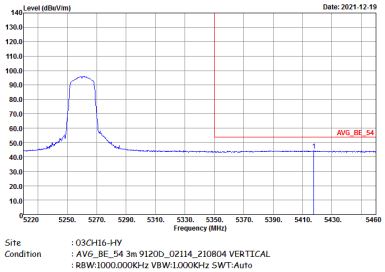
Band 2 - 5250~5350MHz

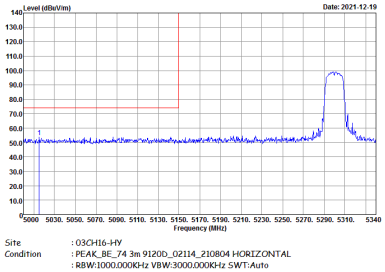
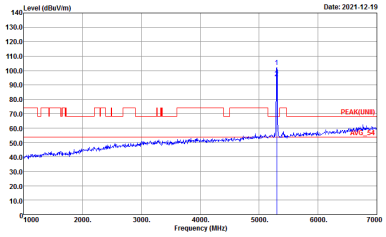
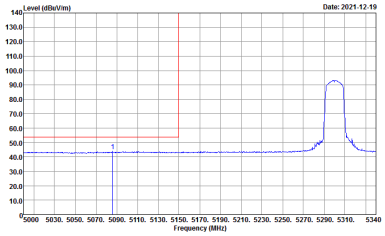
WIFI 802.11a (Band Edge @ 3m)

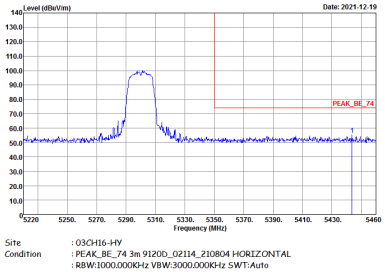
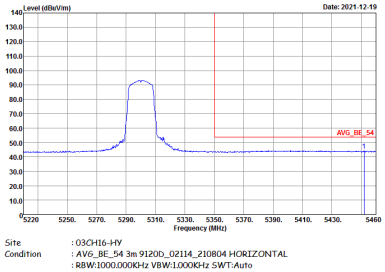
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

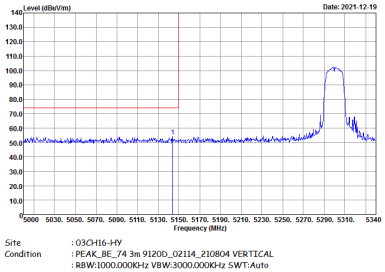
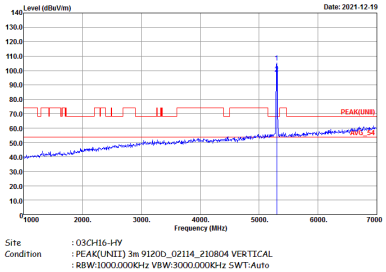
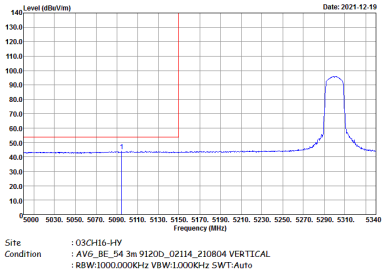
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

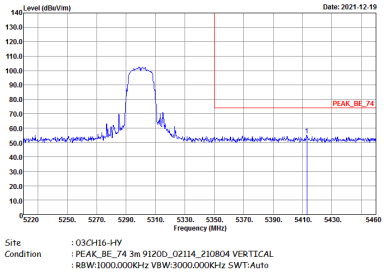
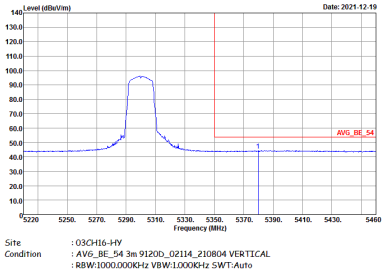
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

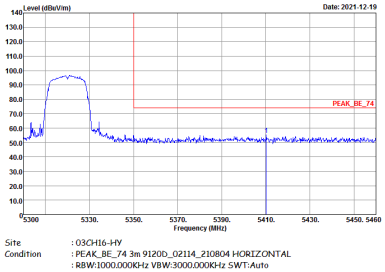
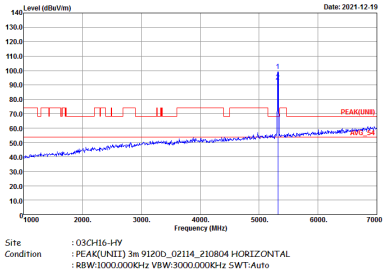
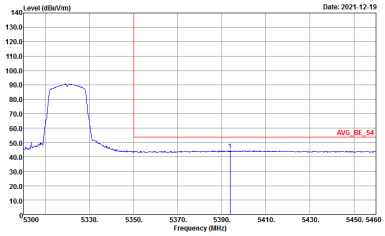
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

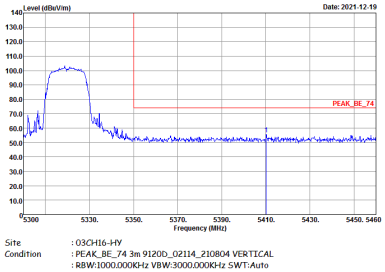
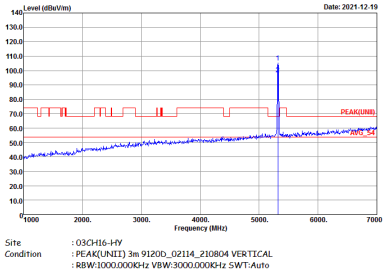
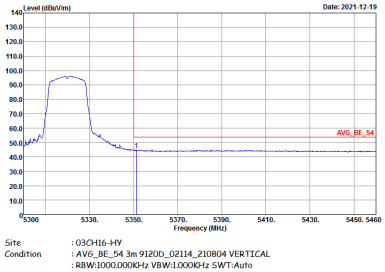
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

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

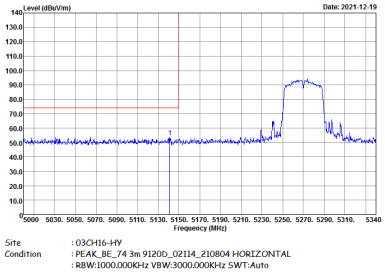
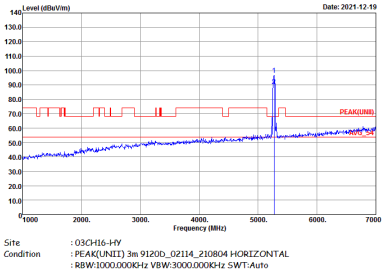
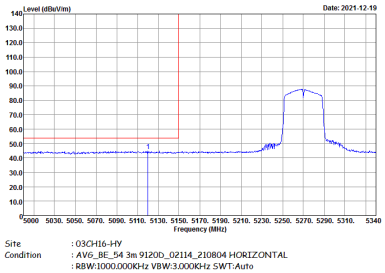
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

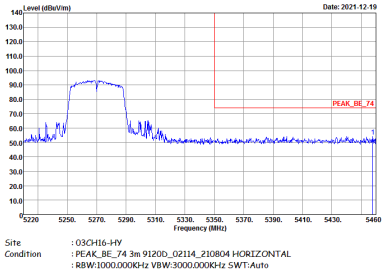
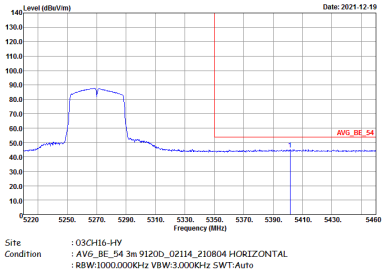
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

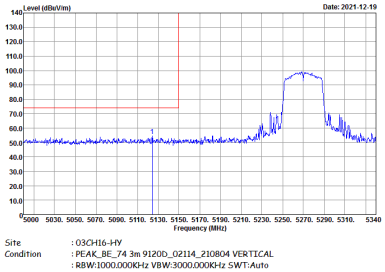
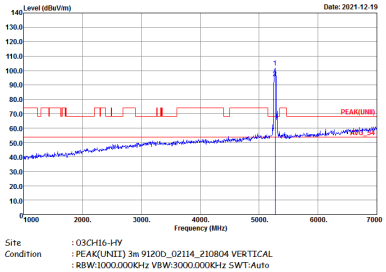
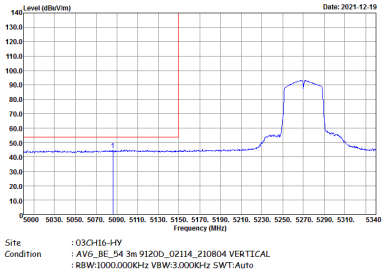
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

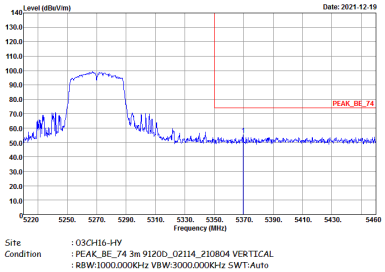
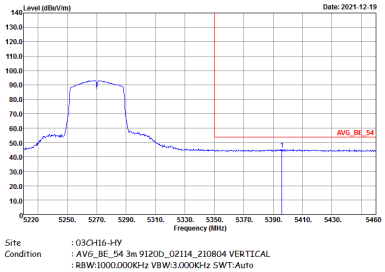
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

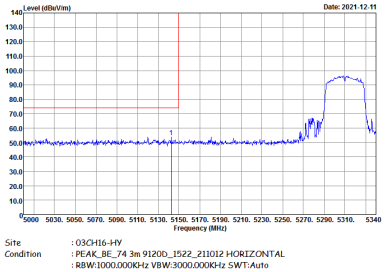
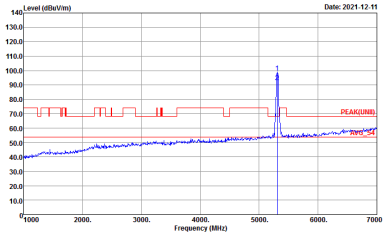
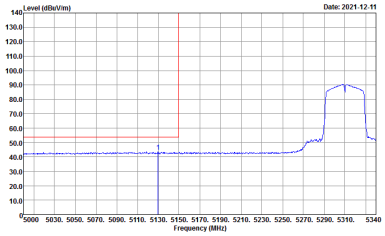
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

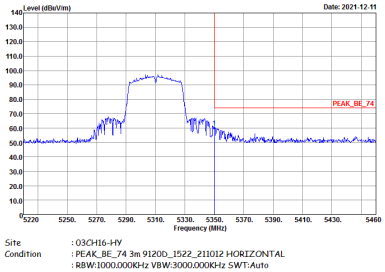
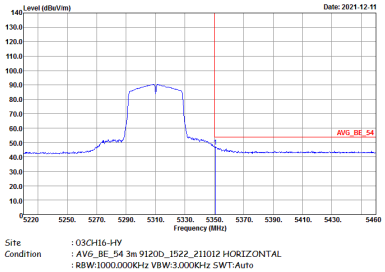
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

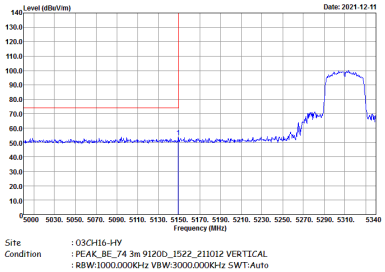
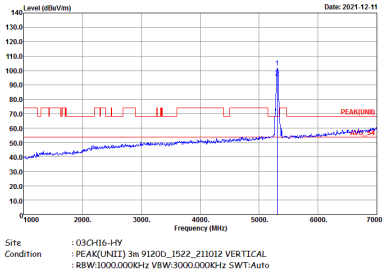
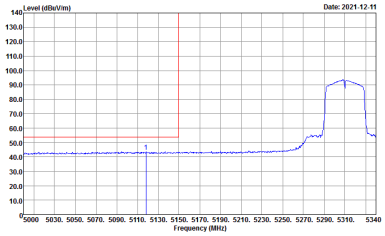
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

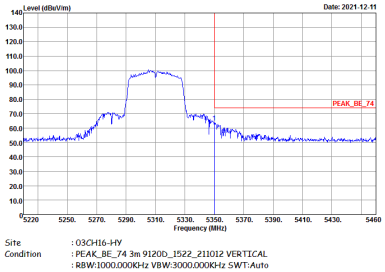
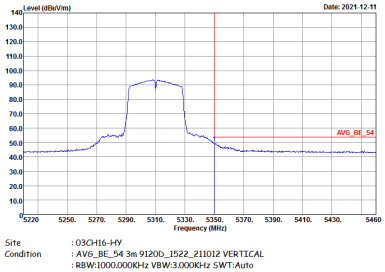
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

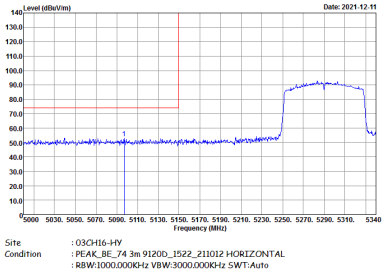
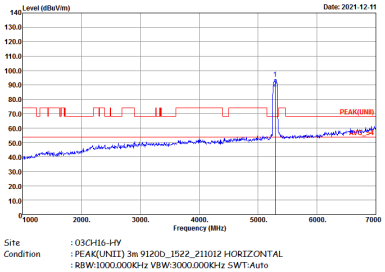
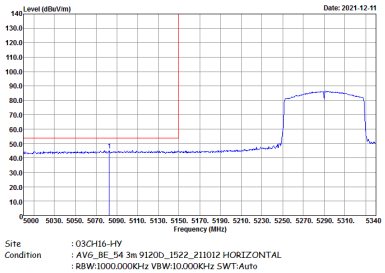
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_211012 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_211012 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE_54 3m 9120D_1522_211012 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

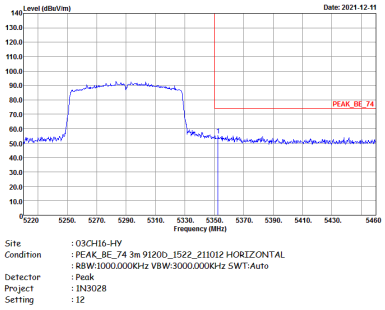
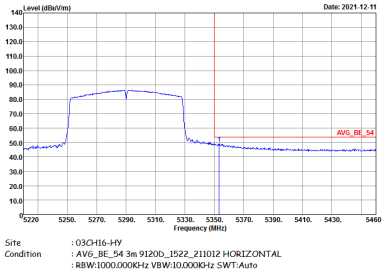
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

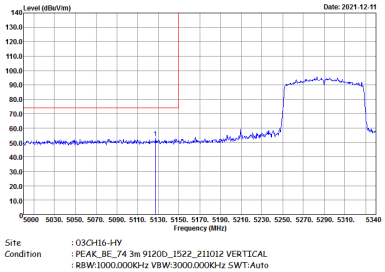
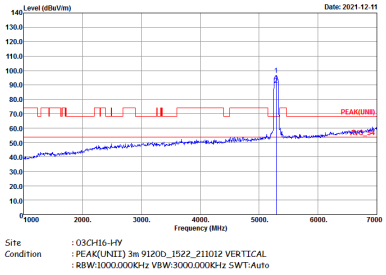
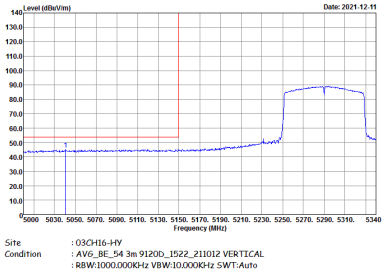
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_1522_211012 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_1522_211012 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE_54 3m 9120D_1522_211012 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

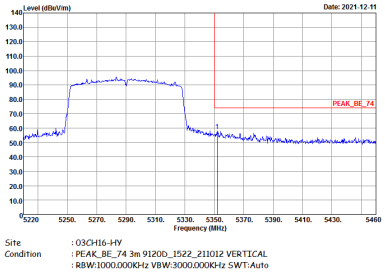
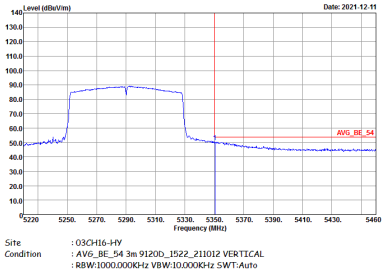
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

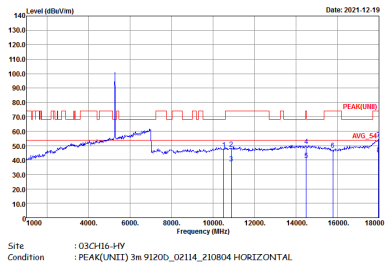
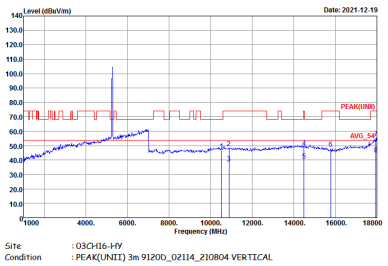
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	C  	Left blank
Avg.	 	Left blank

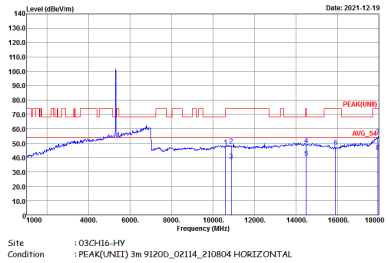
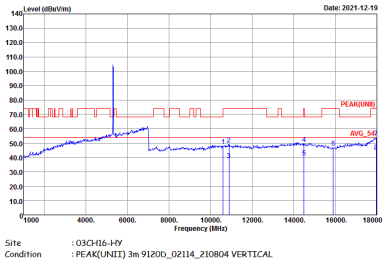
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

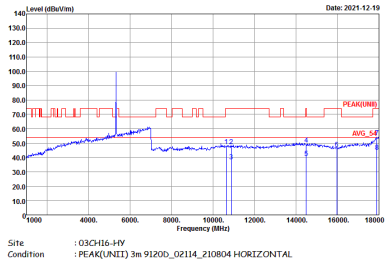
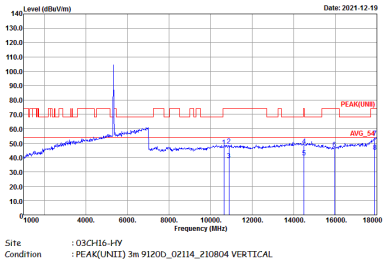
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

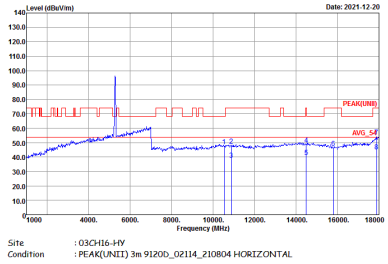
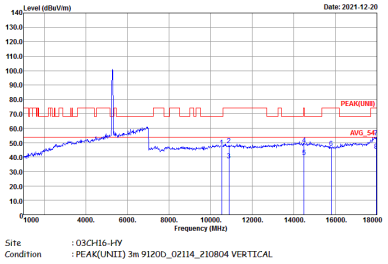
WIFI 802.11a (Harmonic @ 3m)

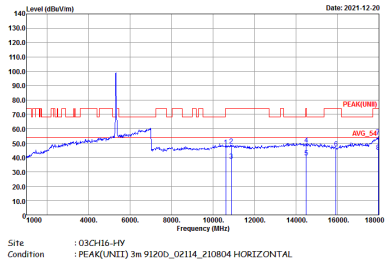
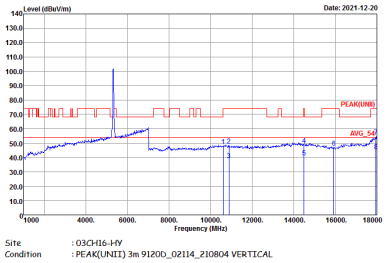
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

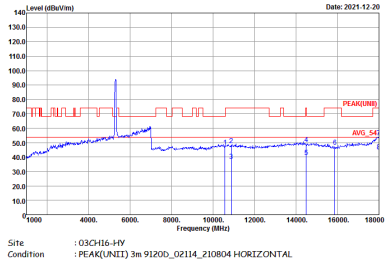
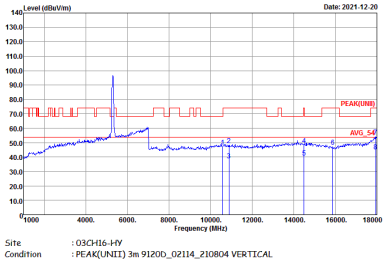
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
1	Horizontal	Vertical
Peak Avg.		

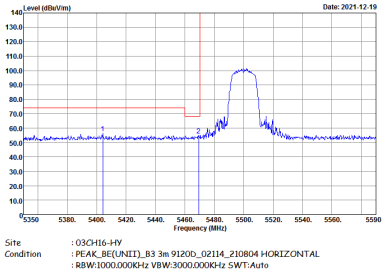
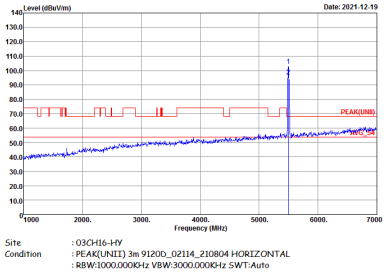
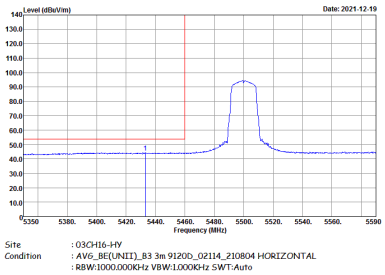
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
1	Horizontal	Vertical
Peak Avg.		

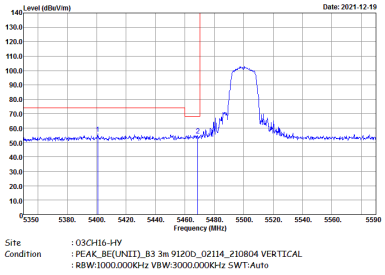
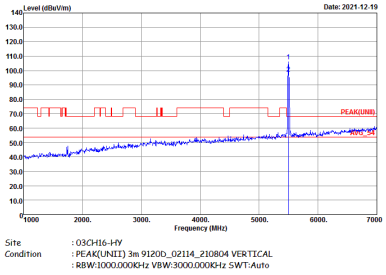
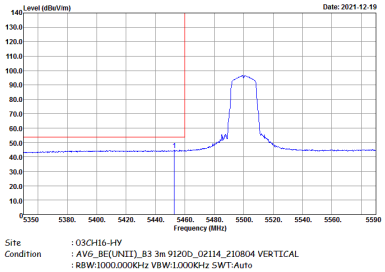
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

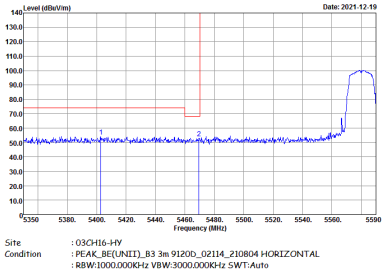
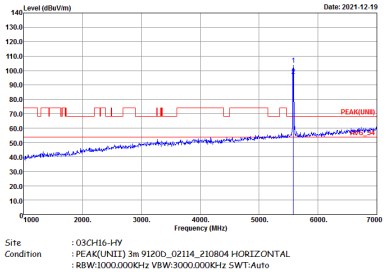
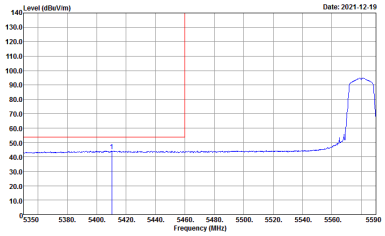
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

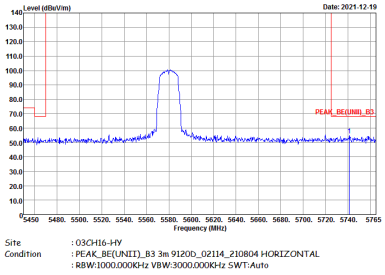
Band 3 - 5470~5725MHz

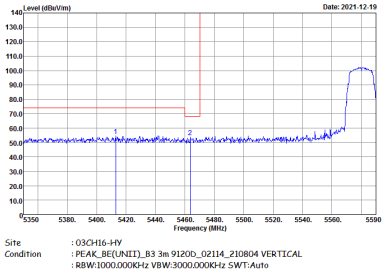
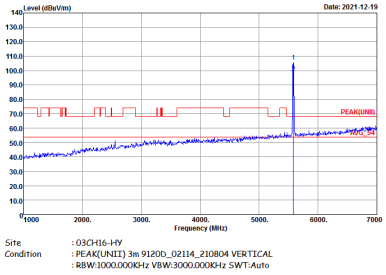
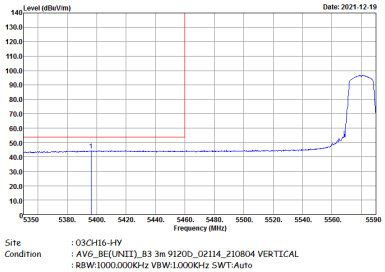
WIFI 802.11a (Band Edge @ 3m)

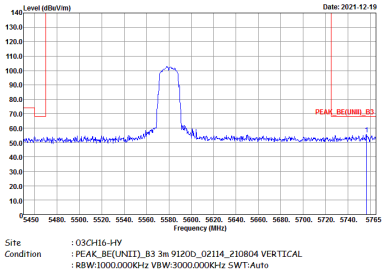
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

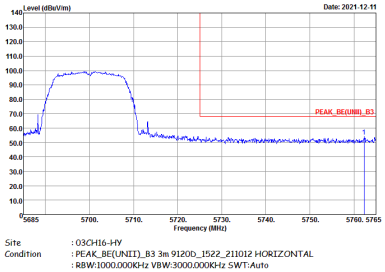
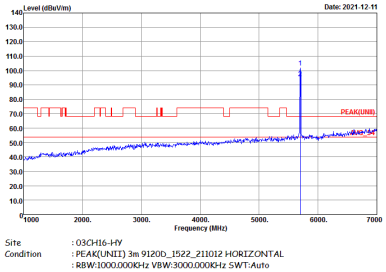
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

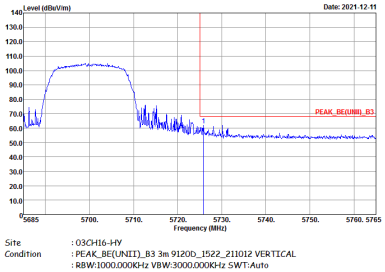
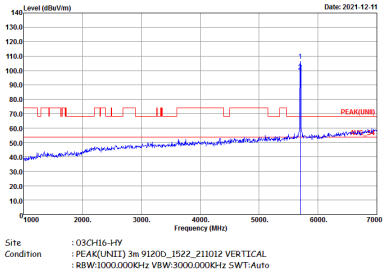
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE(UNII)_B3 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AV6_BE(UNII)_B3 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

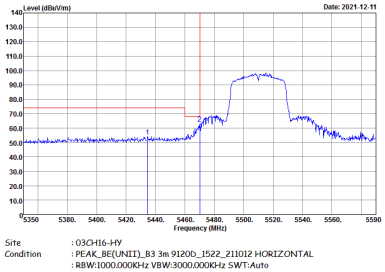
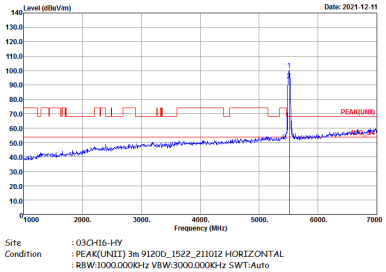
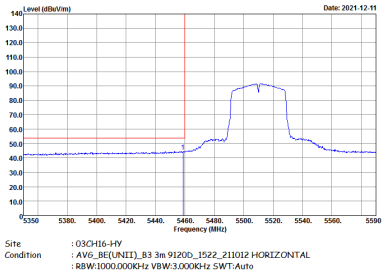
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

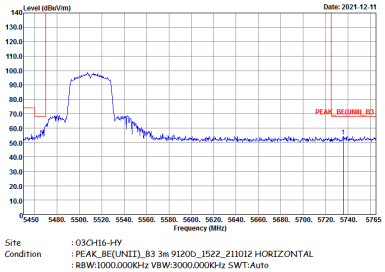
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

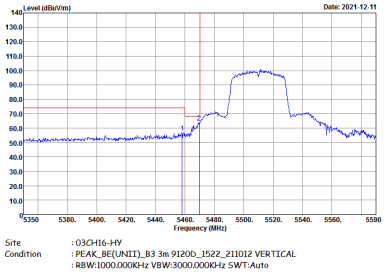
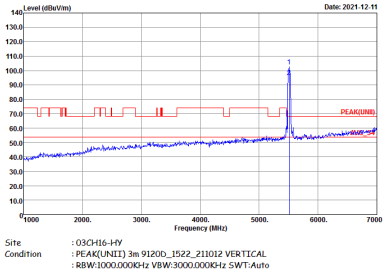
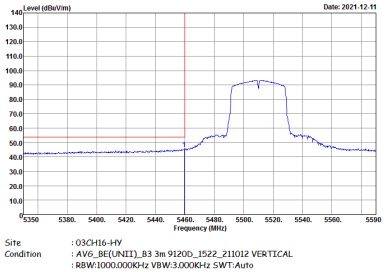
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

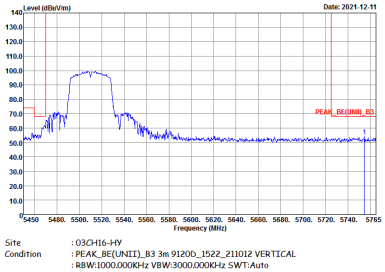
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Vertical	Fundamental
Peak		

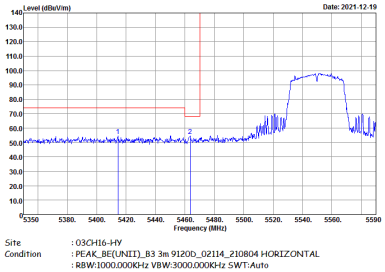
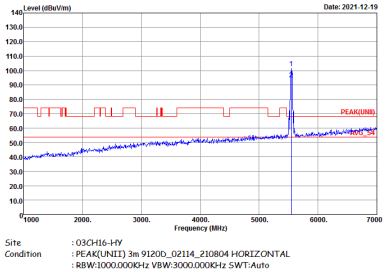
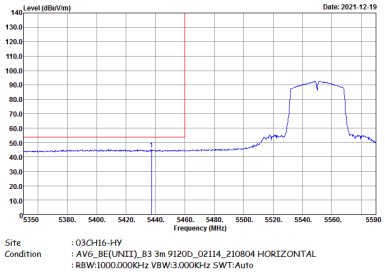
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

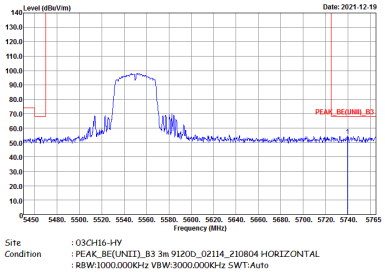
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

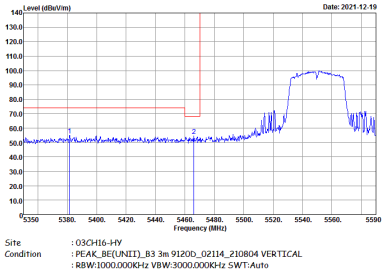
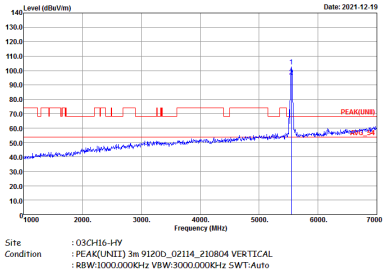
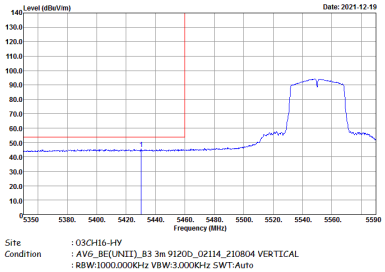
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

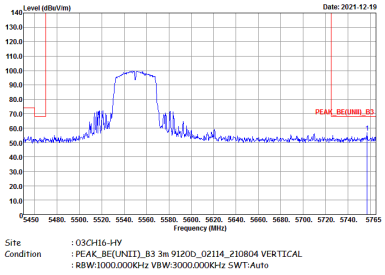
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

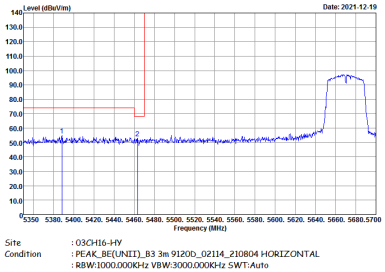
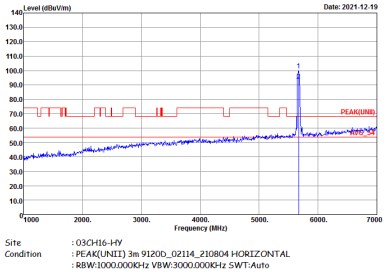
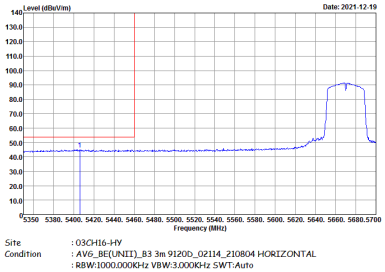
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

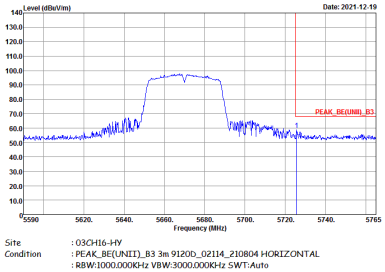
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

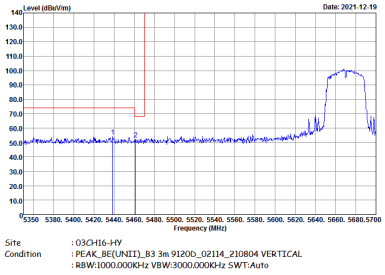
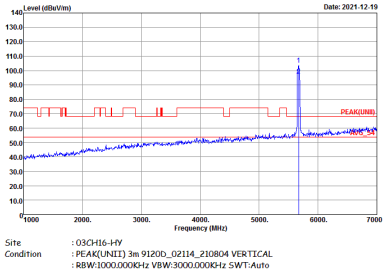
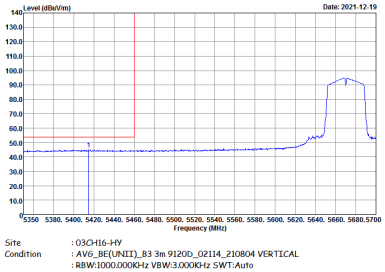
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

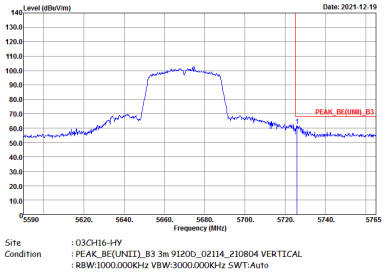
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak		Left blank

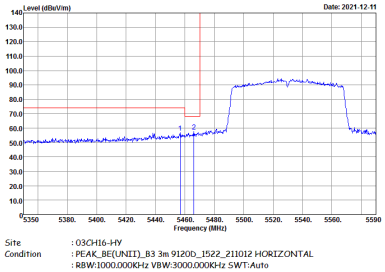
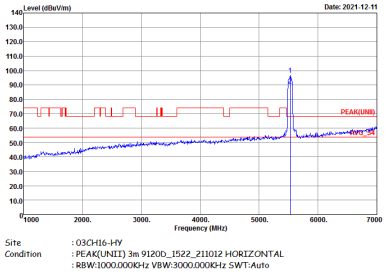
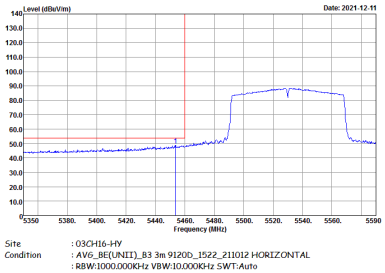
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

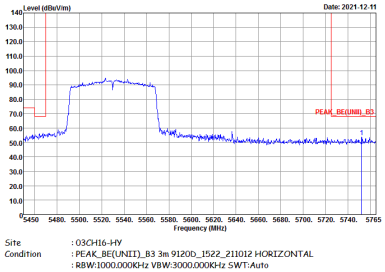
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

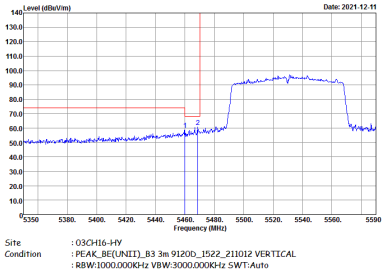
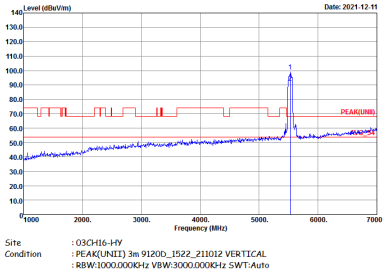
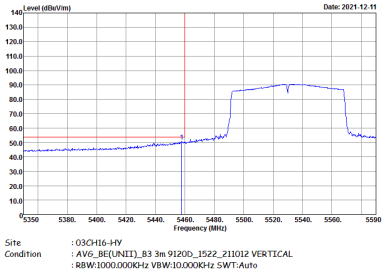
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

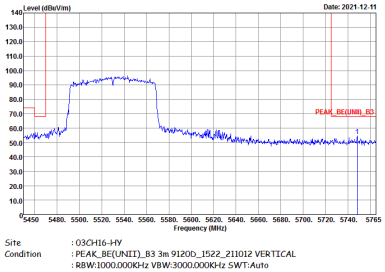
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

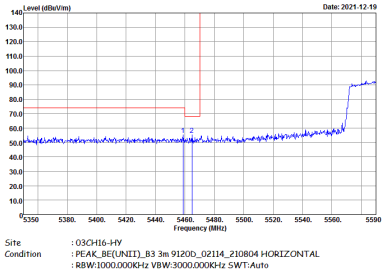
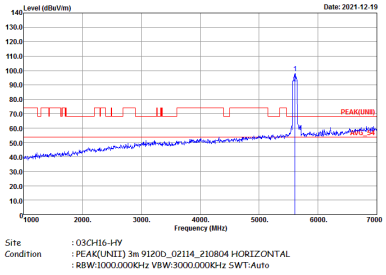
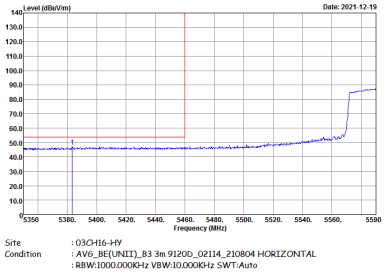
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

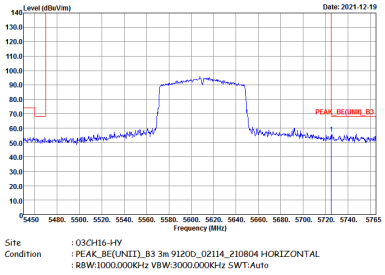
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

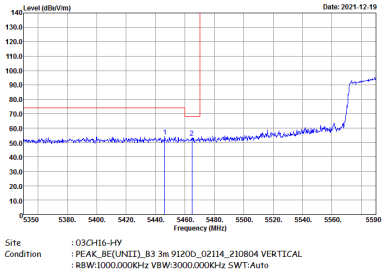
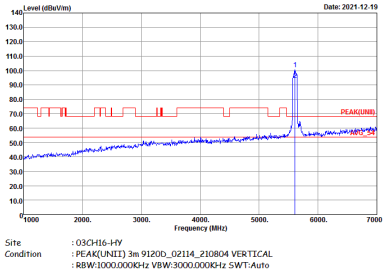
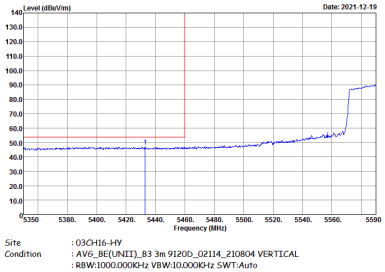
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

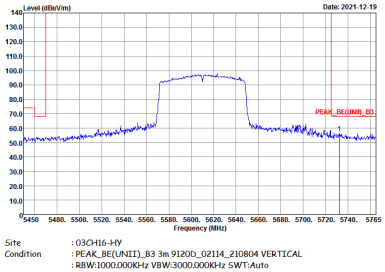
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

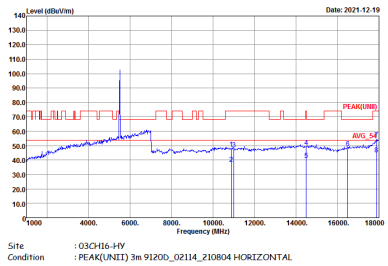
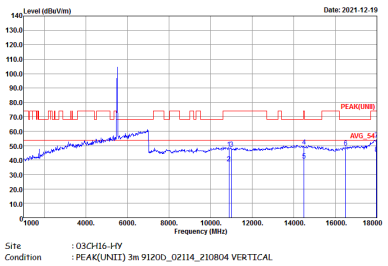
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

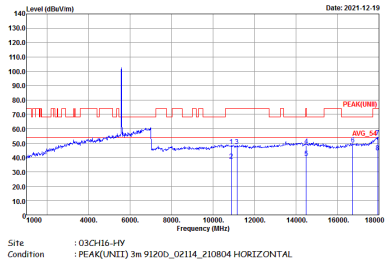
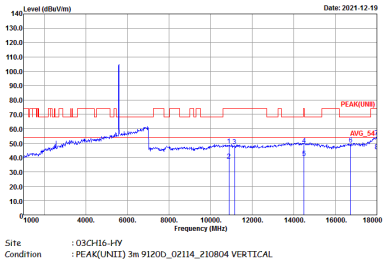
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

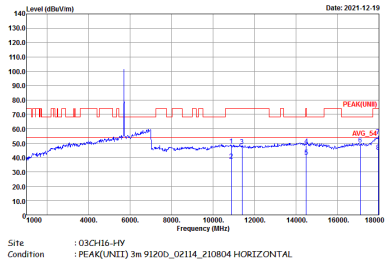
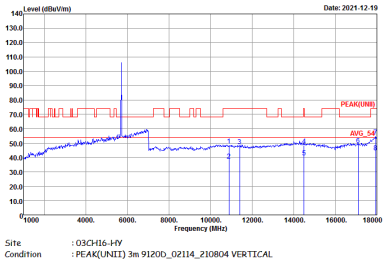
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

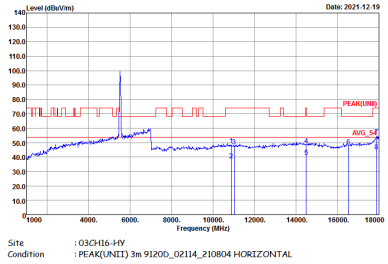
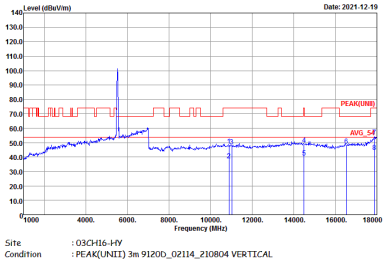
WIFI 802.11a (Harmonic @ 3m)

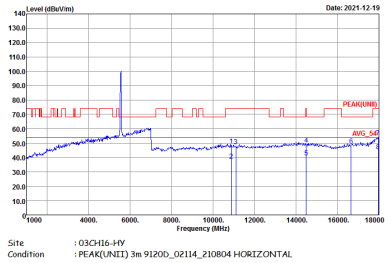
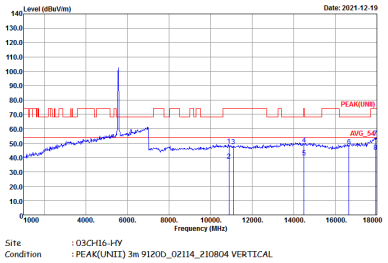
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

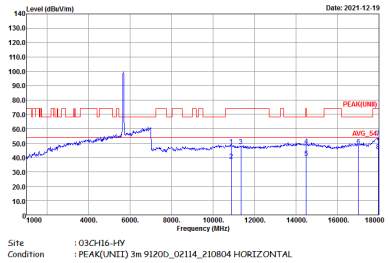
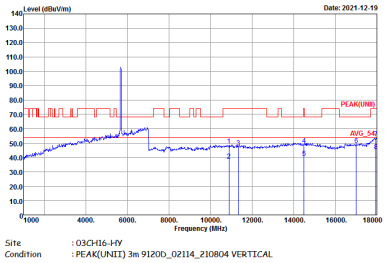
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 3 5470~5725MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

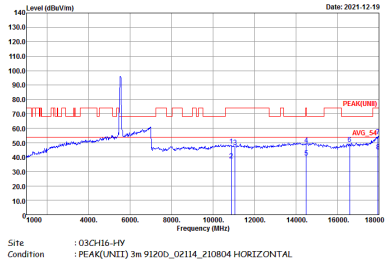
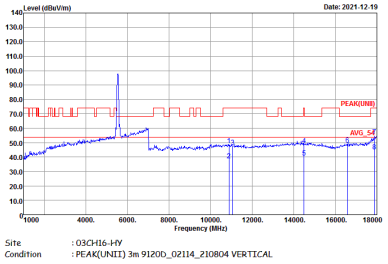
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.		

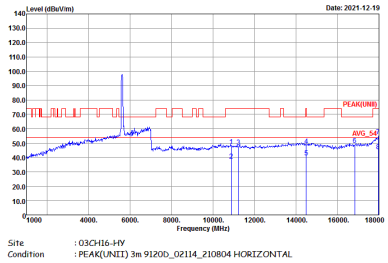
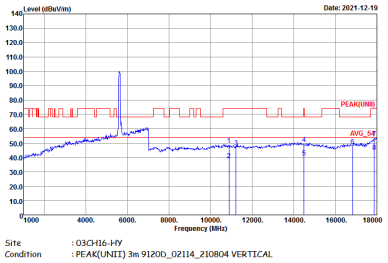
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

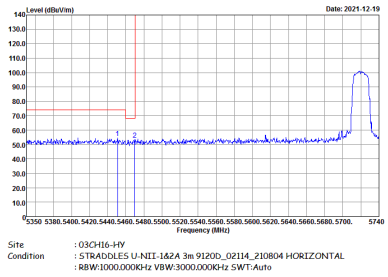
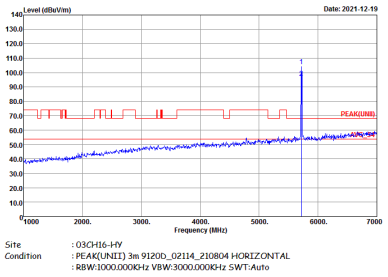
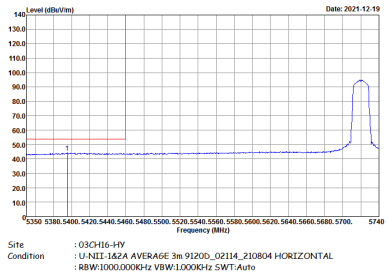
WIFI 802.11ac VHT80 (Harmonic @ 3m)

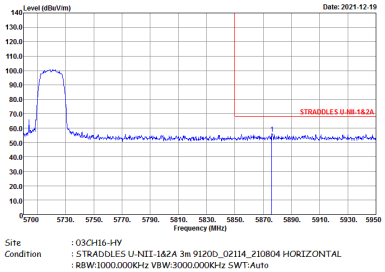
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.		

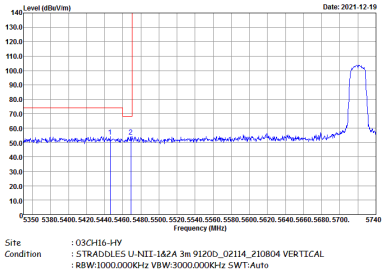
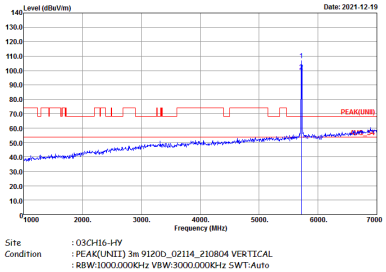
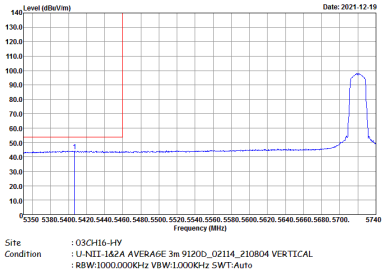
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.		

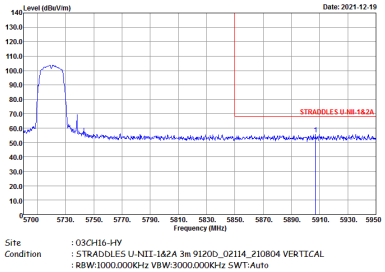
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

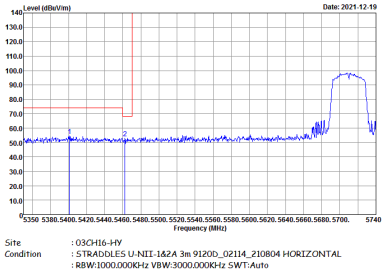
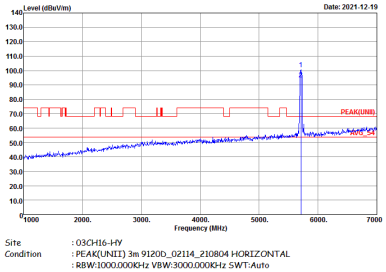
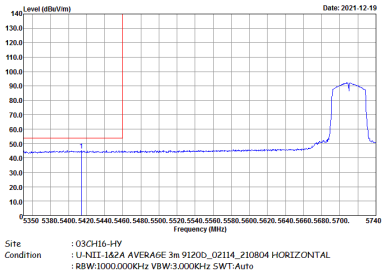
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

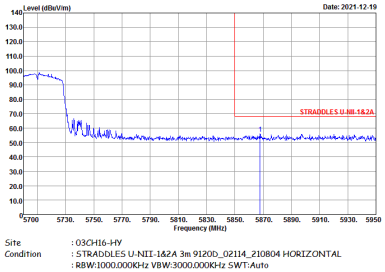
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1	Horizontal	Fundamental
Peak		Left blank

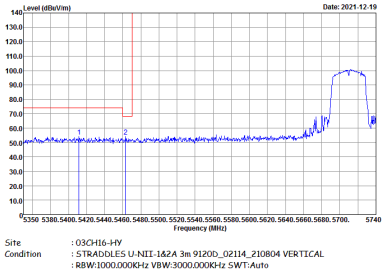
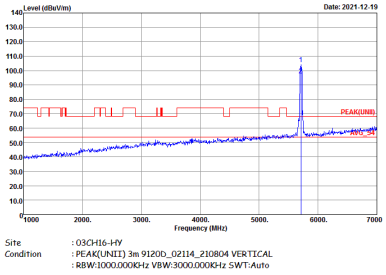
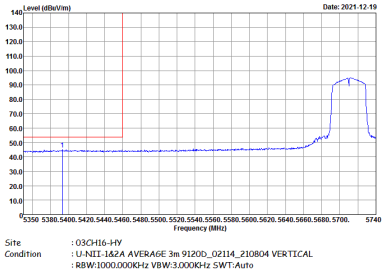
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

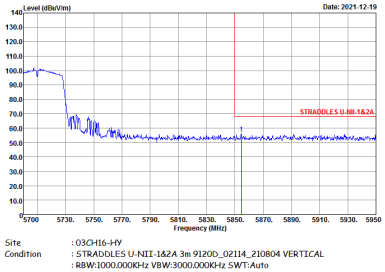
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 – Straddle Channel
WIFI 802.11n HT40 (Band Edge @ 3m)

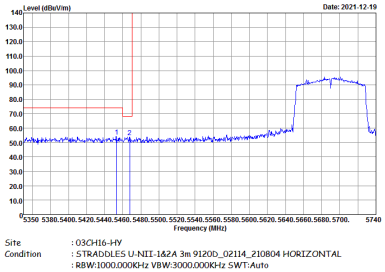
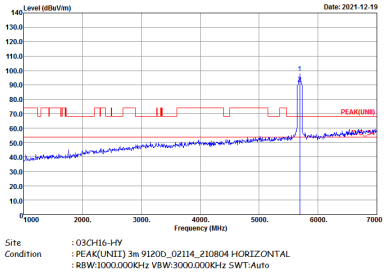
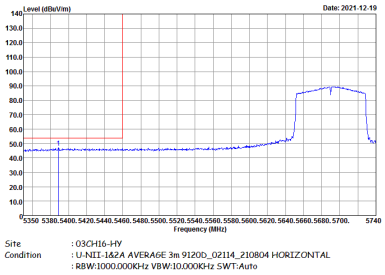
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT40 CH142 5710MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

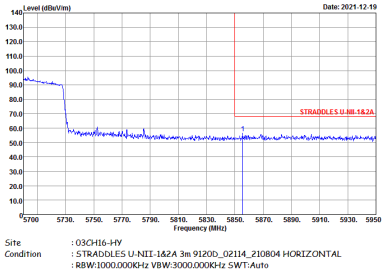
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT40 CH142 5710MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

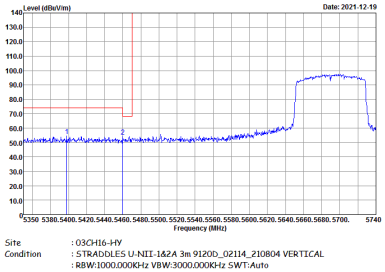
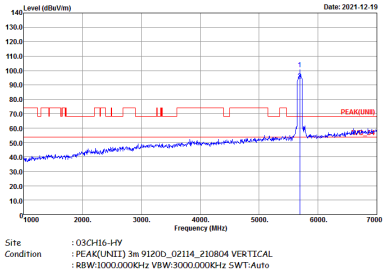
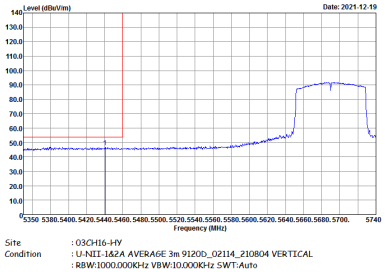
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT40 CH142 5710MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

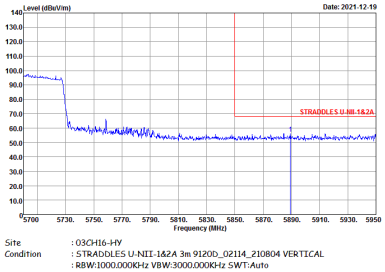
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n HT40 CH142 5710MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

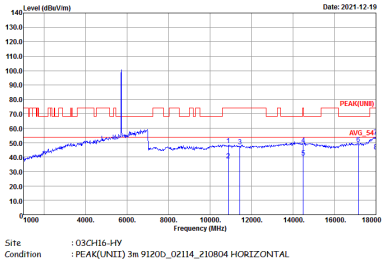
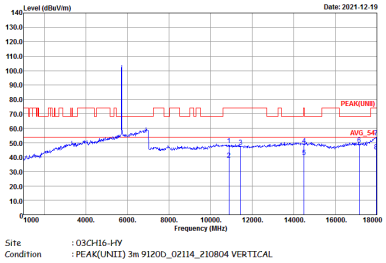
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition : STRADDLES U-NII-1&2A 3m 9120D_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

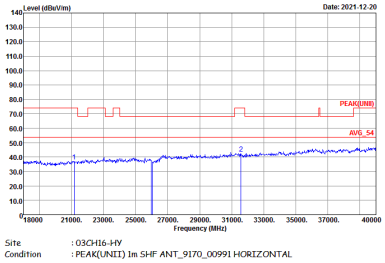
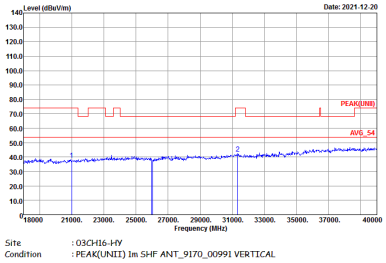
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.		

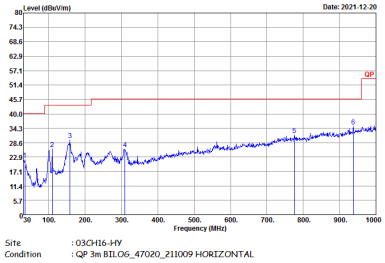
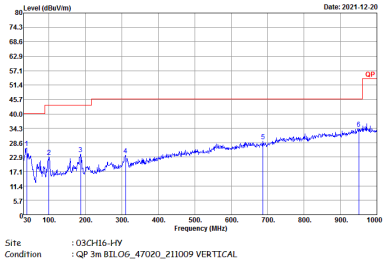
Emission above 18GHz

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

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 SHF	
1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

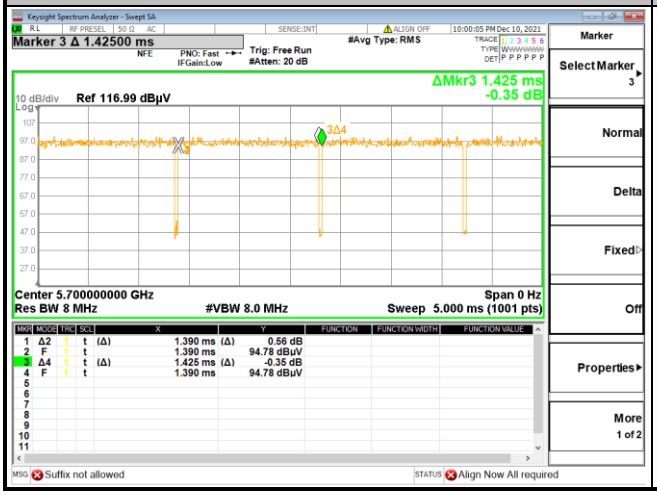
5GHz WIFI 802.11ac VHT80 (LF)

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak		

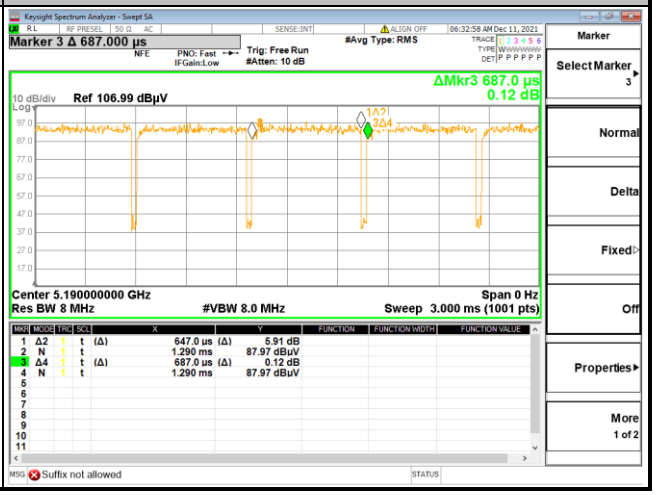
Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
5GHz 802.11a	97.54	1390	0.72	1kHz
5GHz 802.11n HT40	94.18	647	1.55	3kHz
5GHz 802.11ac VHT80	90.16	323.5	3.09	10kHz

802.11a



802.11n HT40



802.11ac VHT80