FCC RADIO TEST REPORT

FCC ID	:	**APYHRO00309**
Equipment	:	**Smart phone**
Brand Name	:	**SHARP**
Model Name	:	**APYHRO00309**
Applicant	:	**SHARP CORPORATION** **1 Takumi-cho, Sakai-ku, Sakai City Osaka, Japan 590-8522**
Manufacturer	:	**SHARP CORPORATION** **1 Takumi-Cho, Sakai-Ku, Sakai-Shi, Osaka 590-8522, Japan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Jan. 14, 2022 and testing was performed from Jan. 29, 2022 to Mar. 02, 2022. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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History of this test report

Report No.	Version	Description	Issue Date
FR211502E	01	Initial issue of report	Mar. 10, 2022
FR211502E	02	Revise Applicant Address	Mar. 18, 2022

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	3.13 dB under the limit at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	14.22 dB under the limit at 0.447 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:

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

Comments and Explanations:

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

Reviewed by: Keven Cheng

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Feature	
Antenna Type	WWAN <Ant. 0>: Monopole Antenna <Ant. 1>: PIFA Antenna <Ant. 2>: Monopole Antenna WLAN: Loop Antenna Bluetooth: Loop Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna FM: Using earphone as antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	-0.19
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	-0.19
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	0.49

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and find X 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

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

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 : Bluetooth Link + WLAN (5GHz) Link + Earphone + MPEG4 + USB Cable (Charging from Adapter)

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

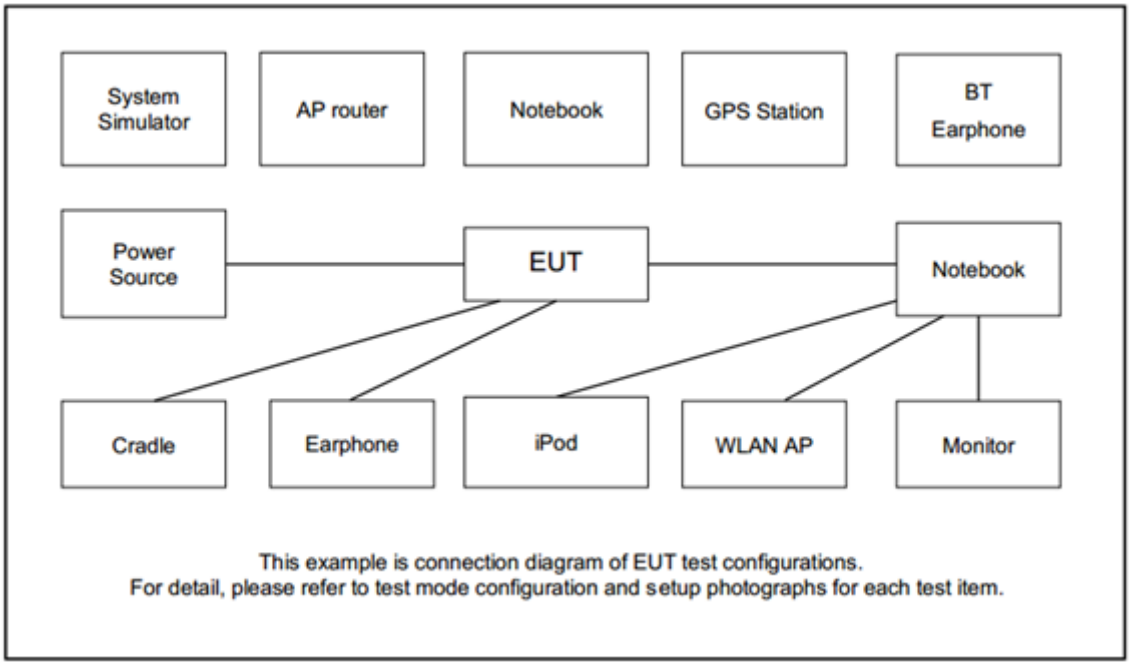
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Earphone	Nokia	WH-108	FCC DoC	Unshielded,1.5m	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version 3.0.303.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

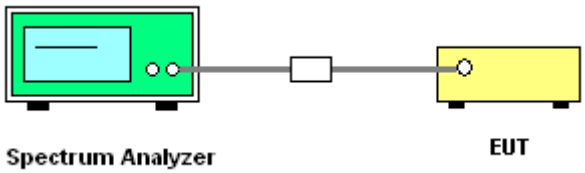
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

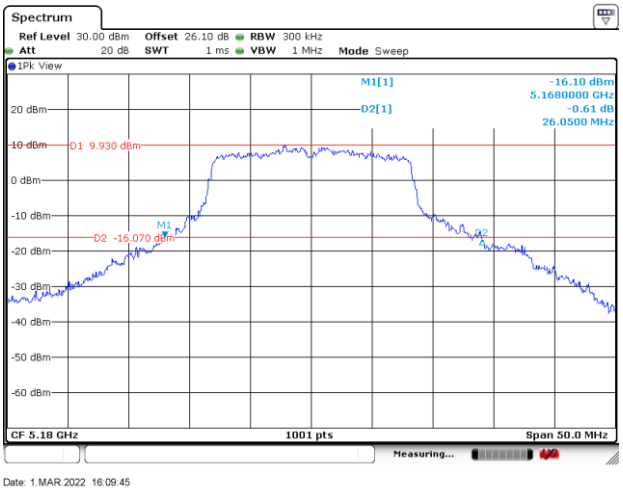
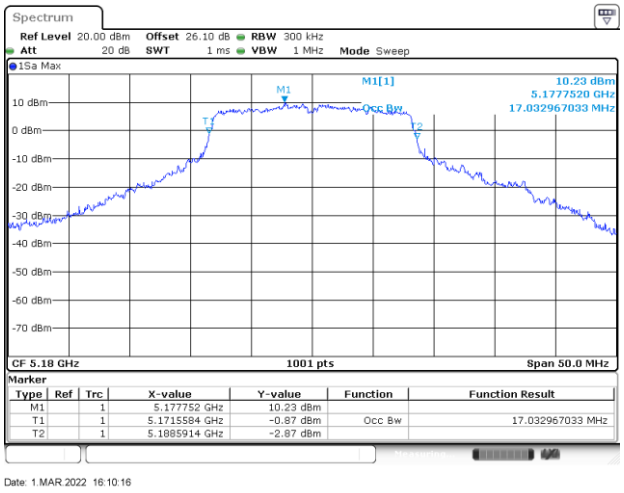
3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

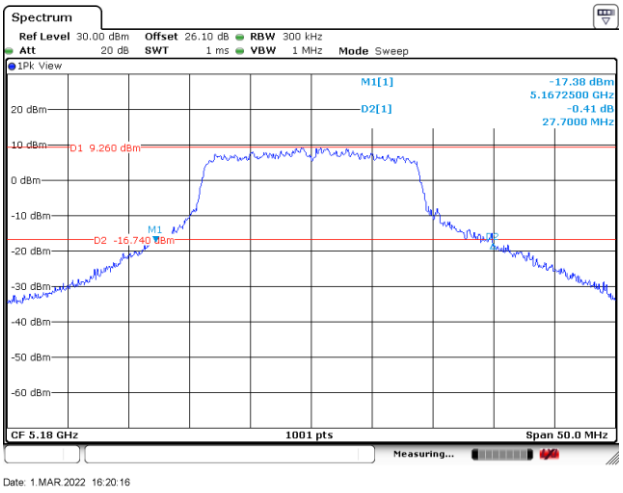
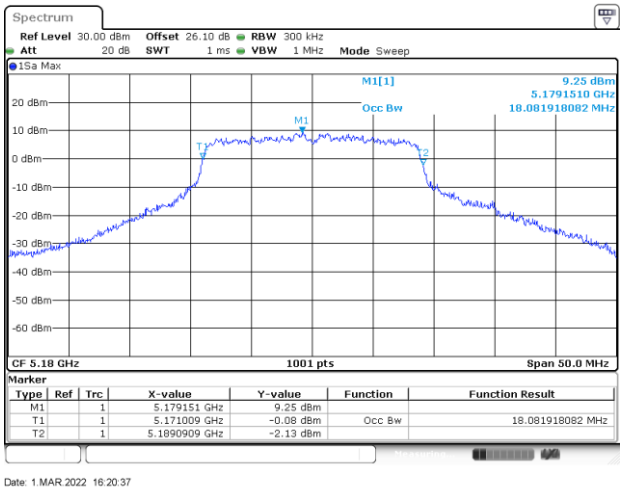
Please refer to Appendix A.

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

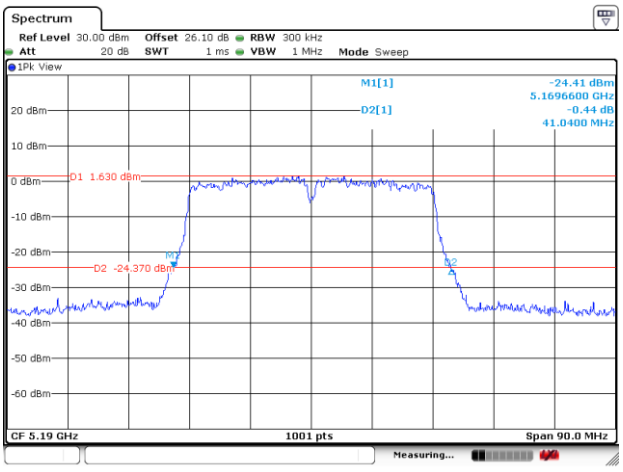
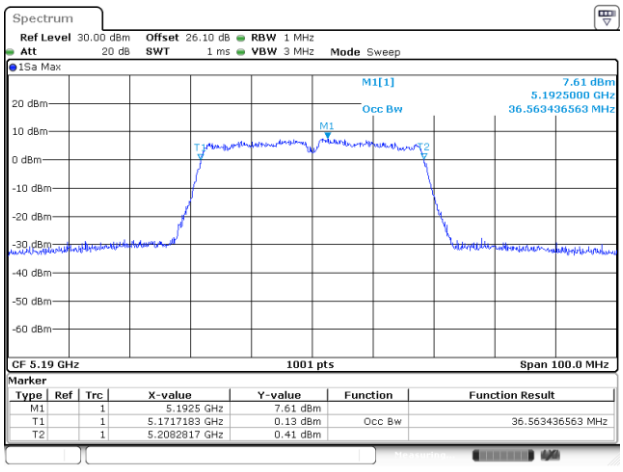
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

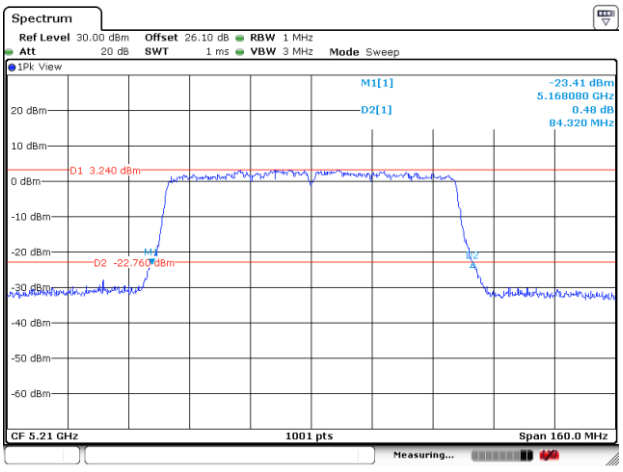
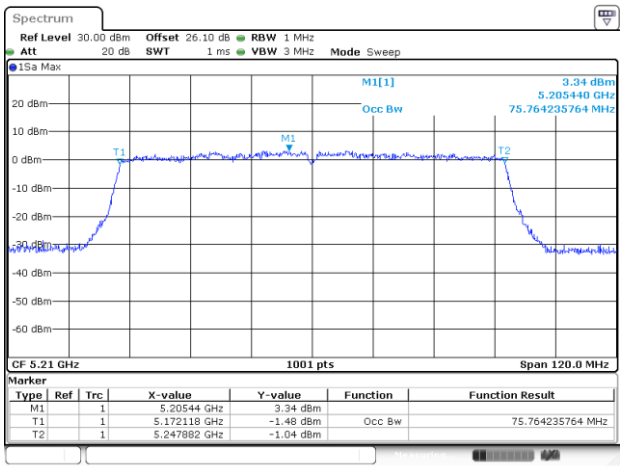
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT40>

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>

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.

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

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

3.2.2 Measuring Instruments

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

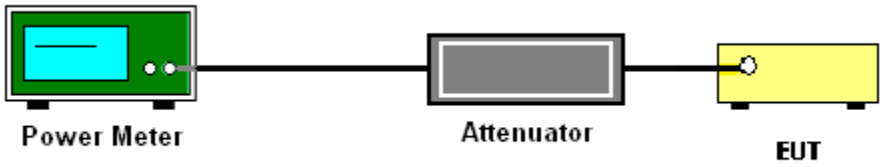
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-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.

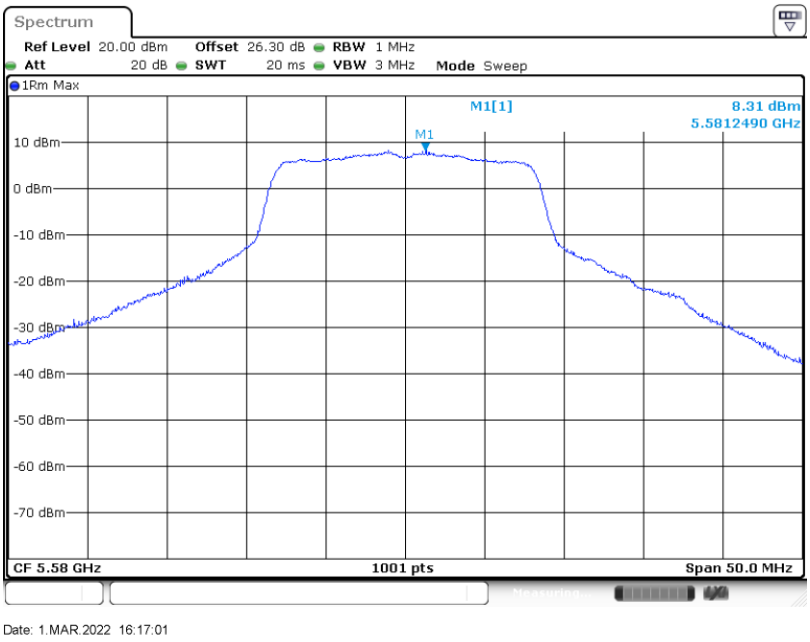
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3.3.4 Test Setup

3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Maximum Power Density Plot (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

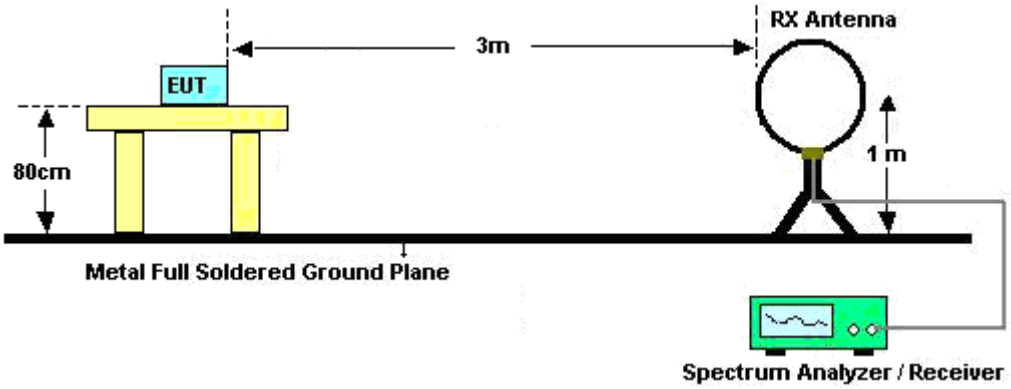
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

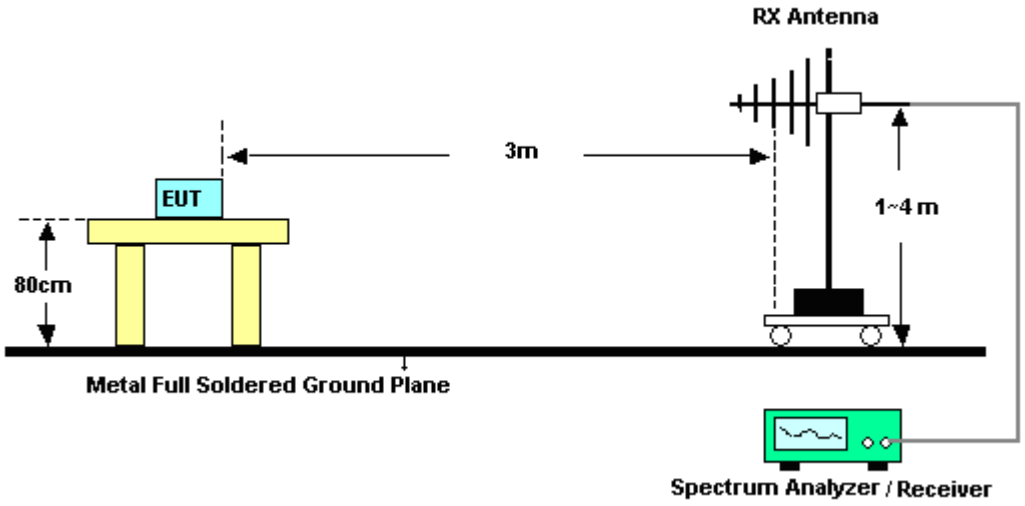
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

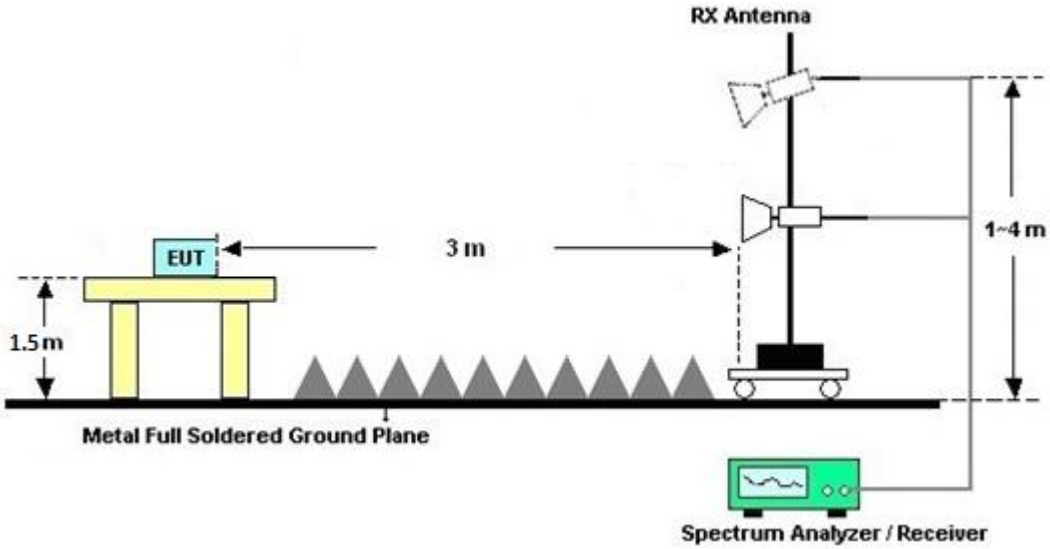
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated test above 1GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

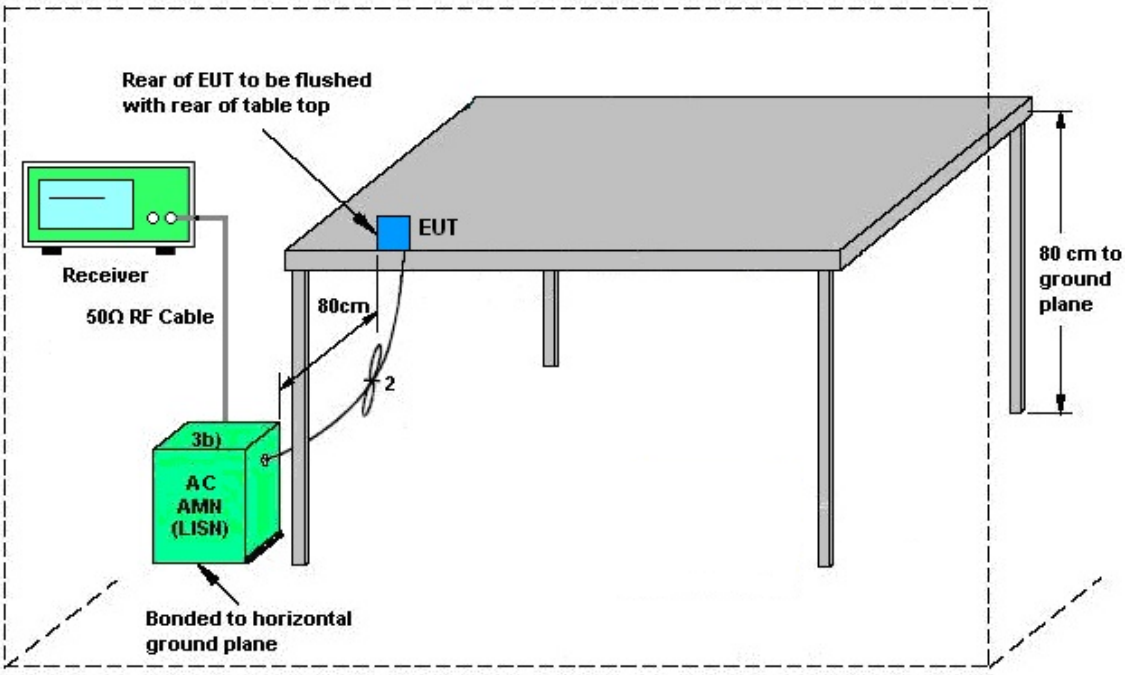
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 07, 2021	Feb. 08, 2022~ Feb. 25, 2022	Sep. 06, 2022	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N -06	47020 & 06	30MHz to 1GHz	Oct. 09, 2021	Feb. 08, 2022~ Feb. 25, 2022	Oct. 08, 2022	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1G~18GHz	Aug. 04, 2021	Feb. 08, 2022~ Feb. 25, 2022	Aug. 03, 2022	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	00993	18GHz ~40GHz	Nov. 30, 2021	Feb. 08, 2022~ Feb. 25, 2022	Nov. 29, 2022	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1G	Jul. 05, 2021	Feb. 08, 2022~ Feb. 25, 2022	Jul. 04, 2022	Radiation (03CH16-HY)
Amplifier	EMCI	EMC051845SE	980729	1-18GHz	Jul. 09, 2021	Feb. 08, 2022~ Feb. 25, 2022	Jul. 08, 2022	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 22, 2021	Feb. 08, 2022~ Feb. 25, 2022	Jun. 21, 2022	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 09, 2021	Feb. 08, 2022~ Feb. 25, 2022	Dec. 08, 2022	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 15, 2021	Feb. 08, 2022~ Feb. 25, 2022	Dec. 14, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11680/4PE	NA	Aug. 28, 2021	Feb. 08, 2022~ Feb. 25, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY11688/4PE	NA	Aug. 28, 2021	Feb. 08, 2022~ Feb. 25, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	EC-A5-300-5757	NA	Aug. 28, 2021	Feb. 08, 2022~ Feb. 25, 2022	Aug. 27, 2022	Radiation (03CH16-HY)
Software	Audix	E3 6.2009-8-24	RK-001136	N/A	N/A	Feb. 08, 2022~ Feb. 25, 2022	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Feb. 08, 2022~ Feb. 25, 2022	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Feb. 08, 2022~ Feb. 25, 2022	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Feb. 08, 2022~ Feb. 25, 2022	N/A	Radiation (03CH16-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 16, 2021	Feb. 06, 2022~ Mar. 02, 2022	Nov. 15, 2022	Conducted (TH05-HY)
Power Meter	DARE	RPR3006W	16I00054SNO12 (NO:113)	10MHz~6GHz	Dec. 16, 2021	Feb. 06, 2022~ Mar. 02, 2022	Dec. 15, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 30, 2021	Feb. 06, 2022~ Mar. 02, 2022	Aug. 29, 2022	Conducted (TH05-HY)
Switch Control Manframe	E-IUSTRUMENT	ETF-1405-0	EC1900067 (BOX7)	N/A	Aug. 12, 2021	Feb. 06, 2022~ Mar. 02, 2022	Aug. 11, 2022	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 29, 2022	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2021	Jan. 29, 2022	Nov. 30, 2022	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2021	Jan. 29, 2022	Nov. 16, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 03, 2021	Jan. 29, 2022	Dec. 02, 2022	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 16, 2021	Jan. 29, 2022	Nov. 15, 2022	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Jan. 29, 2022	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-FN	00691	N/A	Jul. 28, 2021	Jan. 29, 2022	Jul. 27, 2022	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 30, 2021	Jan. 29, 2022	Dec. 29, 2022	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:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2022/02/06~2022/03/02	Relative Humidity:	51~54	%

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)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	17.03	-	26.05	-	-		22.31	-		
11a	6Mbps	1	44	5220	16.98	-	25.95	-	-		22.30	-		
11a	6Mbps	1	48	5240	16.98	-	26.05	-	-		22.30	-		
HT20	MCS0	1	36	5180	18.08	-	27.70	-	-		22.57	-		
HT20	MCS0	1	44	5220	18.08	-	27.75	-	-		22.57	-		
HT20	MCS0	1	48	5240	18.13	-	27.75	-	-		22.58	-		
HT40	MCS0	1	38	5190	36.56	-	41.04	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.66	-	51.30	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.76	-	84.32	-	-		23.01	-		

TEST RESULTS DATA
Average Power Table

FCC Band I single antenna													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	18.70	-		24.00	-	-0.19	-		Pass
11a	6Mbps	1	44	5220	18.70	-		24.00	-	-0.19	-		Pass
11a	6Mbps	1	48	5240	18.60	-		24.00	-	-0.19	-		Pass
HT20	MCS0	1	36	5180	18.50	-		24.00	-	-0.19	-		Pass
HT20	MCS0	1	44	5220	18.50	-		24.00	-	-0.19	-		Pass
HT20	MCS0	1	48	5240	18.40	-		24.00	-	-0.19	-		Pass
HT40	MCS0	1	38	5190	14.00	-		24.00	-	-0.19	-		Pass
HT40	MCS0	1	46	5230	18.80	-		24.00	-	-0.19	-		Pass
VHT20	MCS0	1	36	5180	18.40	-		24.00	-	-0.19	-		Pass
VHT20	MCS0	1	44	5220	18.40	-		24.00	-	-0.19	-		Pass
VHT20	MCS0	1	48	5240	18.30	-		24.00	-	-0.19	-		Pass
VHT40	MCS0	1	38	5190	13.90	-		24.00	-	-0.19	-		Pass
VHT40	MCS0	1	46	5230	18.70	-		24.00	-	-0.19	-		Pass
VHT80	MCS0	1	42	5210	12.90	-		24.00	-	-0.19	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	0.08	-	7.98	-		11.00	-	-0.19	-		Pass
11a	6Mbps	1	44	5220	0.08	-	8.12	-		11.00	-	-0.19	-		Pass
11a	6Mbps	1	48	5240	0.08	-	8.22	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	36	5180	0.08	-	7.92	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	44	5220	0.08	-	7.88	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	48	5240	0.08	-	7.92	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	38	5190	0.16	-	0.03	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	46	5230	0.16	-	4.70	-		11.00	-	-0.19	-		Pass
VHT80	MCS0	1	42	5210	0.33	-	-3.39	-		11.00	-	-0.19	-		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)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	52	5260	17.08	-	26.25	-	23.33	-	29.33	-	23.98	-	
11a	6Mbps	1	60	5300	16.93	-	25.90	-	23.29	-	29.29	-	23.98	-	
11a	6Mbps	1	64	5320	16.93	-	25.95	-	23.29	-	29.29	-	23.98	-	
HT20	MCS0	1	52	5260	18.08	-	28.25	-	23.57	-	29.57	-	23.98	-	
HT20	MCS0	1	60	5300	18.08	-	27.75	-	23.57	-	29.57	-	23.98	-	
HT20	MCS0	1	64	5320	18.08	-	27.80	-	23.57	-	29.57	-	23.98	-	
HT40	MCS0	1	54	5270	36.86	-	54.00	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.56	-	41.31	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.76	-	84.32	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC Band II 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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	18.60	-		23.98	-	-0.19	-	30	Pass
11a	6Mbps	1	60	5300	18.60	-		23.98	-	-0.19	-	30	Pass
11a	6Mbps	1	64	5320	18.50	-		23.98	-	-0.19	-	30	Pass
HT20	MCS0	1	52	5260	18.40	-		23.98	-	-0.19	-	30	Pass
HT20	MCS0	1	60	5300	18.40	-		23.98	-	-0.19	-	30	Pass
HT20	MCS0	1	64	5320	18.30	-		23.98	-	-0.19	-	30	Pass
HT40	MCS0	1	54	5270	18.70	-		23.98	-	-0.19	-	30	Pass
HT40	MCS0	1	62	5310	13.50	-		23.98	-	-0.19	-	30	Pass
VHT20	MCS0	1	52	5260	18.30	-		23.98	-	-0.19	-	30	Pass
VHT20	MCS0	1	60	5300	18.30	-		23.98	-	-0.19	-	30	Pass
VHT20	MCS0	1	64	5320	18.20	-		23.98	-	-0.19	-	30	Pass
VHT40	MCS0	1	54	5270	18.60	-		23.98	-	-0.19	-	30	Pass
VHT40	MCS0	1	62	5310	13.50	-		23.98	-	-0.19	-	30	Pass
VHT80	MCS0	1	58	5290	12.80	-		23.98	-	-0.19	-	30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	0.08	-	8.22	-		11.00	-	-0.19	-		Pass
11a	6Mbps	1	60	5300	0.08	-	8.00	-		11.00	-	-0.19	-		Pass
11a	6Mbps	1	64	5320	0.08	-	7.86	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	52	5260	0.08	-	7.82	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	60	5300	0.08	-	7.87	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	64	5320	0.08	-	7.87	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	54	5270	0.16	-	4.65	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	62	5310	0.16	-	-0.59	-		11.00	-	-0.19	-		Pass
VHT80	MCS0	1	58	5290	0.33	-	-3.29	-		11.00	-	-0.19	-		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)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	1	100	5500	16.93	-	25.05	-	23.29	-	29.29	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.03	-	26.10	-	23.31	-	29.31	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.18	-	26.70	-	23.35	-	29.35	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.18	-	28.70	-	23.60	-	29.60	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.13	-	28.70	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.28	-	28.55	-	23.62	-	29.62	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.66	-	41.67	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.86	-	53.64	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.96	-	54.72	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.88	-	84.96	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	76.00	-	120.96	-	23.98	-	30.00	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC 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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	18.70	-		23.98	-	0.49	-	30	Pass
11a	6Mbps	1	116	5580	18.60	-		23.98	-	0.49	-	30	Pass
11a	6Mbps	1	140	5700	18.80	-		23.98	-	0.49	-	30	Pass
HT20	MCS0	1	100	5500	18.60	-		23.98	-	0.49	-	30	Pass
HT20	MCS0	1	116	5580	18.50	-		23.98	-	0.49	-	30	Pass
HT20	MCS0	1	140	5700	18.70	-		23.98	-	0.49	-	30	Pass
HT40	MCS0	1	102	5510	15.30	-		23.98	-	0.49	-	30	Pass
HT40	MCS0	1	110	5550	18.80	-		23.98	-	0.49	-	30	Pass
HT40	MCS0	1	134	5670	18.80	-		23.98	-	0.49	-	30	Pass
VHT20	MCS0	1	100	5500	18.50	-		23.98	-	0.49	-	30	Pass
VHT20	MCS0	1	116	5580	18.40	-		23.98	-	0.49	-	30	Pass
VHT20	MCS0	1	140	5700	18.60	-		23.98	-	0.49	-	30	Pass
VHT40	MCS0	1	102	5510	15.20	-		23.98	-	0.49	-	30	Pass
VHT40	MCS0	1	110	5550	18.70	-		23.98	-	0.49	-	30	Pass
VHT40	MCS0	1	134	5670	18.70	-		23.98	-	0.49	-	30	Pass
VHT80	MCS0	1	106	5530	11.30	-		23.98	-	0.49	-	30	Pass
VHT80	MCS0	1	122	5610	18.50	-		23.98	-	0.49	-	30	Pass

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TEST RESULTS DATA
Power Spectral Density

Band III single antenna															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	0.08	-	8.06	-		11.00	-	0.49	-		Pass
11a	6Mbps	1	116	5580	0.08	-	8.31	-		11.00	-	0.49	-		Pass
11a	6Mbps	1	140	5700	0.08	-	8.19	-		11.00	-	0.49	-		Pass
HT20	MCS0	1	100	5500	0.08	-	7.77	-		11.00	-	0.49	-		Pass
HT20	MCS0	1	116	5580	0.08	-	8.09	-		11.00	-	0.49	-		Pass
HT20	MCS0	1	140	5700	0.08	-	7.96	-		11.00	-	0.49	-		Pass
HT40	MCS0	1	102	5510	0.16	-	0.62	-		11.00	-	0.49	-		Pass
HT40	MCS0	1	110	5550	0.16	-	4.52	-		11.00	-	0.49	-		Pass
HT40	MCS0	1	134	5670	0.16	-	4.54	-		11.00	-	0.49	-		Pass
VHT80	MCS0	1	106	5530	0.33	-	-4.97	-		11.00	-	0.49	-		Pass
VHT80	MCS0	1	122	5610	0.33	-	2.41	-		11.00	-	0.49	-		Pass

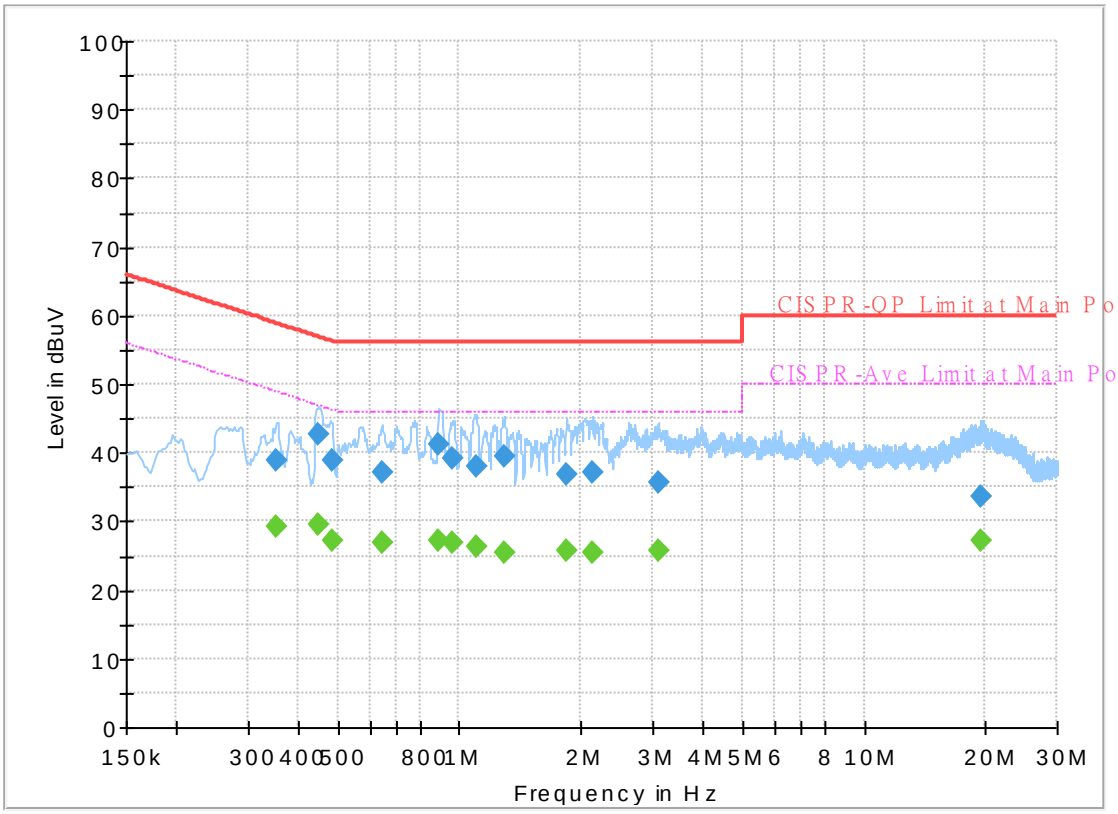
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	211502
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

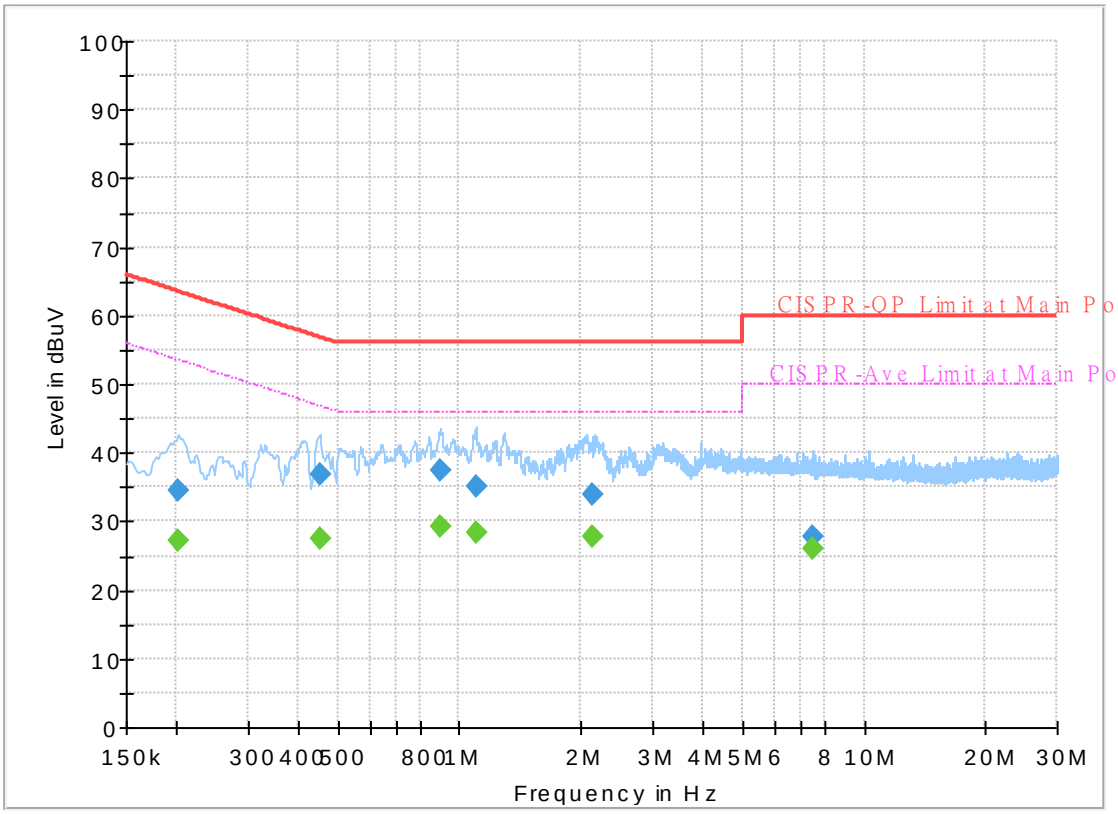
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.352500	---	29.23	48.90	19.67	L1	OFF	19.6
0.352500	38.99	---	58.90	19.91	L1	OFF	19.6
0.447000	---	29.68	46.93	17.25	L1	OFF	19.6
0.447000	42.71	---	56.93	14.22	L1	OFF	19.6
0.485250	---	27.12	46.25	19.13	L1	OFF	19.6
0.485250	39.03	---	56.25	17.22	L1	OFF	19.6
0.642750	---	26.96	46.00	19.04	L1	OFF	19.6
0.642750	36.99	---	56.00	19.01	L1	OFF	19.6
0.890250	---	27.24	46.00	18.76	L1	OFF	19.6
0.890250	41.11	---	56.00	14.89	L1	OFF	19.6
0.962250	---	27.02	46.00	18.98	L1	OFF	19.6
0.962250	39.32	---	56.00	16.68	L1	OFF	19.6
1.097250	---	26.20	46.00	19.80	L1	OFF	19.6
1.097250	38.12	---	56.00	17.88	L1	OFF	19.6
1.290750	---	25.51	46.00	20.49	L1	OFF	19.6
1.290750	39.36	---	56.00	16.64	L1	OFF	19.6
1.844250	---	25.84	46.00	20.16	L1	OFF	19.7
1.844250	36.98	---	56.00	19.02	L1	OFF	19.7
2.127750	---	25.55	46.00	20.45	L1	OFF	19.7
2.127750	37.08	---	56.00	18.92	L1	OFF	19.7
3.090750	---	25.79	46.00	20.21	L1	OFF	19.7

3.090750	**35.71**	**---**	**56.00**	**20.29**	**L1**	**OFF**	**19.7**
19.529250	**---**	**27.23**	**50.00**	**22.77**	**L1**	**OFF**	**20.3**
19.529250	**33.70**	**---**	**60.00**	**26.30**	**L1**	**OFF**	**20.3**

EUT Information

Report NO :	211502
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.201750	---	27.29	53.54	26.25	N	OFF	19.6
0.201750	34.58	---	63.54	28.96	N	OFF	19.6
0.451500	---	27.36	46.85	19.49	N	OFF	19.6
0.451500	36.76	---	56.85	20.09	N	OFF	19.6
0.897000	---	29.24	46.00	16.76	N	OFF	19.6
0.897000	37.47	---	56.00	18.53	N	OFF	19.6
1.097250	---	28.42	46.00	17.58	N	OFF	19.6
1.097250	35.22	---	56.00	20.78	N	OFF	19.6
2.127750	---	27.81	46.00	18.19	N	OFF	19.7
2.127750	34.02	---	56.00	21.98	N	OFF	19.7
7.500750	---	25.94	50.00	24.06	N	OFF	19.9
7.500750	27.76	---	60.00	32.24	N	OFF	19.9

Appendix C. Radiated Spurious Emission

Test Engineer :	Andy Yang, Karl Hou and Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	50~65%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	58.75	-15.25	74	43.28	32.9	12.03	29.46	100	243	P	H
		5150	49.77	-4.23	54	34.3	32.9	12.03	29.46	100	243	A	H
	*	5180	110.98	-	-	95.41	32.96	12.08	29.47	100	243	P	H
	*	5180	103.1	-	-	87.53	32.96	12.08	29.47	100	243	A	H
													H
													H
		5149.24	57.91	-16.09	74	42.44	32.9	12.03	29.46	398	177	P	V
		5149.5	46.37	-7.63	54	30.9	32.9	12.03	29.46	398	177	A	V
	*	5180	105.43	-	-	89.86	32.96	12.08	29.47	398	177	P	V
	*	5180	98.02	-	-	82.45	32.96	12.08	29.47	398	177	A	V
													V
													V
802.11a CH 44 5220MHz		5128.44	54.73	-19.27	74	39.15	33.03	12	29.45	100	232	P	H
		5150	42.49	-11.51	54	27.02	32.9	12.03	29.46	100	232	A	H
	*	5220	108.93	-	-	93.27	32.96	12.18	29.48	100	232	P	H
	*	5220	102.16	-	-	86.5	32.96	12.18	29.48	100	232	A	H
		5427.52	53.08	-20.92	74	36.93	32.9	12.8	29.55	100	232	P	H
		5394.48	41.12	-12.88	54	25	32.89	12.77	29.54	100	232	A	H
		5078.52	54.01	-19.99	74	38.5	33.03	11.92	29.44	372	142	P	V
		5101.4	41.74	-12.26	54	26.03	33.19	11.96	29.44	372	142	A	V
	*	5220	101.36	-	-	85.7	32.96	12.18	29.48	372	142	P	V
	*	5220	94.43	-	-	78.77	32.96	12.18	29.48	372	142	A	V
		5437.6	53.29	-20.71	74	37.13	32.9	12.81	29.55	372	142	P	V
		5446.56	40.77	-13.23	54	24.61	32.9	12.81	29.55	372	142	A	V

802.11a CH 48 5240MHz		5068.12	53.78	-20.22	74	38.36	32.94	11.91	29.43	100	234	P	H
		5150	41.68	-12.32	54	26.21	32.9	12.03	29.46	100	234	A	H
	*	5240	108.44	-	-	92.76	32.92	12.25	29.49	100	234	P	H
	*	5240	101.68	-	-	86	32.92	12.25	29.49	100	234	A	H
		5402.32	53.15	-20.85	74	37	32.9	12.79	29.54	100	234	P	H
		5350.52	40.5	-13.5	54	24.6	32.8	12.62	29.52	100	234	A	H
		5024.96	54.38	-19.62	74	39.01	32.95	11.84	29.42	100	118	P	V
		5081.64	41.33	-12.67	54	25.79	33.05	11.93	29.44	100	118	A	V
	*	5240	101.21	-	-	85.53	32.92	12.25	29.49	100	118	P	V
	*	5240	94.18	-	-	78.5	32.92	12.25	29.49	100	118	A	V
		5395.32	52.76	-21.24	74	36.64	32.89	12.77	29.54	100	118	P	V
		5438.44	40.28	-13.72	54	24.12	32.9	12.81	29.55	100	118	A	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 802.11a (Harmonic @ 3m)

WIFI Ant. 4	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	47.95	-20.25	68.2	45.99	38.66	18.9	55.6	-	-	P	H
		11213	48.93	-25.07	74	46	39.03	19.11	55.21	-	-	P	H
		11213	38.66	-15.34	54	35.73	39.03	19.11	55.21	-	-	A	H
		14471	48.58	-25.42	74	40.77	40.4	21.73	54.32	-	-	P	H
		14471	42.37	-11.63	54	34.56	40.4	21.73	54.32	-	-	A	H
		15540	47.45	-26.55	74	41.2	38.28	22.65	54.68	-	-	P	H
		17967	53.57	-20.43	74	41.95	42.74	25.46	56.58	-	-	P	H
		17967	43.25	-10.75	54	31.63	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
		10360	48	-20.2	68.2	46.04	38.66	18.9	55.6	-	-	P	V
		10641	49.11	-24.89	74	46.62	39	18.95	55.46	-	-	P	V
		10641	37.6	-16.4	54	35.11	39	18.95	55.46	-	-	A	V
		14471	49.46	-24.54	74	41.65	40.4	21.73	54.32	-	-	P	V
		14471	42.36	-11.64	54	34.55	40.4	21.73	54.32	-	-	A	V
		15540	46.94	-27.06	74	40.69	38.28	22.65	54.68	-	-	P	V
		17956	54.14	-19.86	74	42.6	42.65	25.46	56.57	-	-	P	V
		17956	43.01	-10.99	54	31.47	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	49.06	-19.14	68.2	47.03	38.66	18.91	55.54	-	-	P	H
		10883	47.21	-26.79	74	44.75	38.87	18.99	55.4	-	-	P	H
		10883	38.15	-15.85	54	35.69	38.87	18.99	55.4	-	-	A	H
		14491	48.55	-25.45	74	40.73	40.4	21.75	54.33	-	-	P	H
		14491	40.09	-13.91	54	32.27	40.4	21.75	54.33	-	-	A	H
		15660	45.96	-28.04	74	40.22	37.86	22.74	54.86	-	-	P	H
		17978	54	-20	74	42.3	42.82	25.47	56.59	-	-	P	H
		17978	43.57	-10.43	54	31.87	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	48.82	-19.38	68.2	46.79	38.66	18.91	55.54	-	-	P	V
		10880	47.49	-26.51	74	45.02	38.88	18.99	55.4	-	-	P	V
		10880	38.1	-15.9	54	35.63	38.88	18.99	55.4	-	-	A	V
		14491	48.45	-25.55	74	40.63	40.4	21.75	54.33	-	-	P	V
		14491	40.22	-13.78	54	32.4	40.4	21.75	54.33	-	-	A	V
		15660	47.23	-26.77	74	41.49	37.86	22.74	54.86	-	-	P	V
		17989	53.97	-20.03	74	42.17	42.91	25.48	56.59	-	-	P	V
		17989	43.96	-10.04	54	32.16	42.91	25.48	56.59	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	48.36	-19.84	68.2	46.33	38.62	18.92	55.51	-	-	P	H
		10883	47.95	-26.05	74	45.49	38.87	18.99	55.4	-	-	P	H
		10883	38.24	-15.76	54	35.78	38.87	18.99	55.4	-	-	A	H
		14491	49.19	-24.81	74	41.37	40.4	21.75	54.33	-	-	P	H
		14491	40.23	-13.77	54	32.41	40.4	21.75	54.33	-	-	A	H
		15720	46.65	-27.35	74	41.12	37.7	22.78	54.95	-	-	P	H
		17967	53.81	-20.19	74	42.19	42.74	25.46	56.58	-	-	P	H
		17967	43.51	-10.49	54	31.89	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
802.11a													H
CH 48		10480	49.48	-18.72	68.2	47.45	38.62	18.92	55.51	-	-	P	V
5240MHz		10880	46.93	-27.07	74	44.46	38.88	18.99	55.4	-	-	P	V
		10880	38.42	-15.58	54	35.95	38.88	18.99	55.4	-	-	A	V
		14491	48.5	-25.5	74	40.68	40.4	21.75	54.33	-	-	P	V
		14491	39.7	-14.3	54	31.88	40.4	21.75	54.33	-	-	A	V
		15720	46.3	-27.7	74	40.77	37.7	22.78	54.95	-	-	P	V
		17901	54.19	-19.81	74	43.08	42.21	25.43	56.53	-	-	P	V
		17901	43.49	-10.51	54	32.38	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 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5148.72	58.92	-15.08	74	43.44	32.91	12.03	29.46	100	244	P	H
		5150	50.87	-3.13	54	35.4	32.9	12.03	29.46	100	244	A	H
	*	5180	110.68	-	-	95.11	32.96	12.08	29.47	100	244	P	H
	*	5180	102.7	-	-	87.13	32.96	12.08	29.47	100	244	A	H
802.11n													H
HT20													H
CH 36		5144.3	54.77	-19.23	74	39.28	32.93	12.02	29.46	398	166	P	V
5180MHz		5149.76	46.29	-7.71	54	30.82	32.9	12.03	29.46	398	166	A	V
	*	5180	104.79	-	-	89.22	32.96	12.08	29.47	398	166	P	V
	*	5180	96.93	-	-	81.36	32.96	12.08	29.47	398	166	A	V
													V
													V
		5078.26	53.53	-20.47	74	38.02	33.03	11.92	29.44	100	234	P	H
		5150	42.32	-11.68	54	26.85	32.9	12.03	29.46	100	234	A	H
	*	5220	109.03	-	-	93.37	32.96	12.18	29.48	100	234	P	H
	*	5220	100.69	-	-	85.03	32.96	12.18	29.48	100	234	A	H
802.11n		5427.24	52.47	-21.53	74	36.32	32.9	12.8	29.55	100	234	P	H
HT20		5413.8	40.28	-13.72	54	24.12	32.9	12.8	29.54	100	234	A	H
CH 44		5095.68	53.7	-20.3	74	38.02	33.17	11.95	29.44	100	118	P	V
5220MHz		5086.84	41.34	-12.66	54	25.76	33.09	11.93	29.44	100	118	A	V
	*	5220	101.07	-	-	85.41	32.96	12.18	29.48	100	118	P	V
	*	5220	93.22	-	-	77.56	32.96	12.18	29.48	100	118	A	V
		5429.2	54.59	-19.41	74	38.44	32.9	12.8	29.55	100	118	P	V
		5427.52	40.2	-13.8	54	24.05	32.9	12.8	29.55	100	118	A	V

		5074.88	53.82	-20.18	74	38.33	33	11.92	29.43	100	235	P	H
		5109.2	42.71	-11.29	54	27.04	33.14	11.97	29.44	100	235	A	H
	*	5240	108.07	-	-	92.39	32.92	12.25	29.49	100	235	P	H
	*	5240	100.39	-	-	84.71	32.92	12.25	29.49	100	235	A	H
802.11n		5370.96	52.53	-21.47	74	36.53	32.84	12.69	29.53	100	235	P	H
HT20		5430.6	41.75	-12.25	54	25.6	32.9	12.8	29.55	100	235	A	H
CH 48		5093.6	54.13	-19.87	74	38.47	33.15	11.95	29.44	100	118	P	V
5240MHz		5010.92	42.43	-11.57	54	26.99	33.03	11.82	29.41	100	118	A	V
	*	5240	100.79	-	-	85.11	32.92	12.25	29.49	100	118	P	V
	*	5240	92.96	-	-	77.28	32.92	12.25	29.49	100	118	A	V
		5414.36	53.71	-20.29	74	37.55	32.9	12.8	29.54	100	118	P	V
		5391.12	41.79	-12.21	54	25.69	32.88	12.76	29.54	100	118	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4	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)
		10360	48.99	-19.21	68.2	47.03	38.66	18.9	55.6	-	-	P	H
		11092	49.18	-24.82	74	46.53	38.9	19.05	55.3	-	-	P	H
		11092	37.22	-16.78	54	34.57	38.9	19.05	55.3	-	-	A	H
		14471	48.72	-25.28	74	40.91	40.4	21.73	54.32	-	-	P	H
		14471	41.83	-12.17	54	34.02	40.4	21.73	54.32	-	-	A	H
		15540	47.18	-26.82	74	40.93	38.28	22.65	54.68	-	-	P	H
		17945	53.37	-20.63	74	41.92	42.56	25.45	56.56	-	-	P	H
		17945	42.92	-11.08	54	31.47	42.56	25.45	56.56	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 36		10360	48.67	-19.53	68.2	46.71	38.66	18.9	55.6	-	-	P	V
5180MHz		11037	48.7	-25.3	74	46.11	38.9	19.03	55.34	-	-	P	V
		11037	37.67	-16.33	54	35.08	38.9	19.03	55.34	-	-	A	V
		14480	48.99	-25.01	74	41.17	40.4	21.74	54.32	-	-	P	V
		14480	41.92	-12.08	54	34.1	40.4	21.74	54.32	-	-	A	V
		15540	47.23	-26.77	74	40.98	38.28	22.65	54.68	-	-	P	V
		17956	54.28	-19.72	74	42.74	42.65	25.46	56.57	-	-	P	V
		17956	42.98	-11.02	54	31.44	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	47.7	-20.5	68.2	45.67	38.66	18.91	55.54	-	-	P	H
		11125	48.99	-25.01	74	46.27	38.93	19.07	55.28	-	-	P	H
		11125	37.9	-16.1	54	35.18	38.93	19.07	55.28	-	-	A	H
		14471	48.61	-25.39	74	40.8	40.4	21.73	54.32	-	-	P	H
		14471	42.25	-11.75	54	34.44	40.4	21.73	54.32	-	-	A	H
		15660	46.42	-27.58	74	40.68	37.86	22.74	54.86	-	-	P	H
		17945	54.43	-19.57	74	42.98	42.56	25.45	56.56	-	-	P	H
		17945	42.77	-11.23	54	31.32	42.56	25.45	56.56	-	-	A	H
													H
													H
i802.11n													H
HT20													H
CH 44		10440	49.55	-18.65	68.2	47.52	38.66	18.91	55.54	-	-	P	V
5220MHz		10795	48.5	-25.5	74	45.75	39.19	18.98	55.42	-	-	P	V
		10795	37.78	-16.22	54	35.03	39.19	18.98	55.42	-	-	A	V
		14475	49.14	-24.86	74	41.32	40.4	21.74	54.32	-	-	P	V
		14475	42.44	-11.56	54	34.62	40.4	21.74	54.32	-	-	A	V
		15660	46.22	-27.78	74	40.48	37.86	22.74	54.86	-	-	P	V
		17945	53.8	-20.2	74	42.35	42.56	25.45	56.56	-	-	P	V
		17945	42.71	-11.29	54	31.26	42.56	25.45	56.56	-	-	A	V
													V
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													V
													V

WIFI Ant. 4	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	49.03	-19.17	68.2	47	38.62	18.92	55.51	-	-	P	H
		10696	49.37	-24.63	74	46.86	39	18.95	55.44	-	-	P	H
		10696	37.58	-16.42	54	35.07	39	18.95	55.44	-	-	A	H
		14471	48.99	-25.01	74	41.18	40.4	21.73	54.32	-	-	P	H
		14471	41.93	-12.07	54	34.12	40.4	21.73	54.32	-	-	A	H
		15720	47.07	-26.93	74	41.54	37.7	22.78	54.95	-	-	P	H
		17967	54.02	-19.98	74	42.4	42.74	25.46	56.58	-	-	P	H
		17967	43.06	-10.94	54	31.44	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 48		10480	49.16	-19.04	68.2	47.13	38.62	18.92	55.51	-	-	P	V
5240MHz		10707	48.62	-25.38	74	46.09	39.01	18.96	55.44	-	-	P	V
		10707	38.33	-15.67	54	35.8	39.01	18.96	55.44	-	-	A	V
		14480	49.23	-24.77	74	41.41	40.4	21.74	54.32	-	-	P	V
		14480	42.39	-11.61	54	34.57	40.4	21.74	54.32	-	-	A	V
		15720	46.3	-27.7	74	40.77	37.7	22.78	54.95	-	-	P	V
		18000	53.69	-20.31	74	41.81	43	25.48	56.6	-	-	P	V
		18000	43.31	-10.69	54	31.43	43	25.48	56.6	-	-	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. 4	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		5149.76	58.73	-15.27	74	43.26	32.9	12.03	29.46	106	243	P	H
		5150	50.71	-3.29	54	35.24	32.9	12.03	29.46	106	243	A	H
	*	5190	103.45	-	-	87.85	32.98	12.09	29.47	106	243	P	H
	*	5190	95.71	-	-	80.11	32.98	12.09	29.47	106	243	A	H
		5426.96	53.12	-20.88	74	36.97	32.9	12.8	29.55	106	243	P	H
		5414.36	44.83	-9.17	54	28.67	32.9	12.8	29.54	106	243	A	H
		5116.74	53.7	-20.3	74	38.07	33.1	11.98	29.45	395	168	P	V
		5150	45.95	-8.05	54	30.48	32.9	12.03	29.46	395	168	A	V
	*	5190	97.33	-	-	81.73	32.98	12.09	29.47	395	168	P	V
	*	5190	89.36	-	-	73.76	32.98	12.09	29.47	395	168	A	V
		5416.88	53.67	-20.33	74	37.51	32.9	12.8	29.54	395	168	P	V
		5425	44.73	-9.27	54	28.58	32.9	12.8	29.55	395	168	A	V
802.11n HT40 CH 46 5230MHz		5075.66	53.4	-20.6	74	37.9	33.01	11.92	29.43	100	234	P	H
		5148.98	44.73	-9.27	54	29.25	32.91	12.03	29.46	100	234	A	H
	*	5230	106.61	-	-	90.94	32.94	12.21	29.48	100	234	P	H
	*	5230	98.65	-	-	82.98	32.94	12.21	29.48	100	234	A	H
		5434.52	52.7	-21.3	74	36.54	32.9	12.81	29.55	100	234	P	H
		5353.6	43	-11	54	27.08	32.81	12.63	29.52	100	234	A	H
		5076.96	53.43	-20.57	74	37.92	33.02	11.92	29.43	100	118	P	V
		5143.52	43.48	-10.52	54	27.98	32.94	12.02	29.46	100	118	A	V
	*	5230	99.18	-	-	83.51	32.94	12.21	29.48	100	118	P	V
	*	5230	91	-	-	75.33	32.94	12.21	29.48	100	118	A	V
		5451.32	53.19	-20.81	74	37.03	32.9	12.81	29.55	100	118	P	V
		5426.96	42.62	-11.38	54	26.47	32.9	12.8	29.55	100	118	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. 4	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	47.88	-20.32	68.2	45.89	38.68	18.9	55.59	-	-	P	H
		10707	49.12	-24.88	74	46.59	39.01	18.96	55.44	-	-	P	H
		10707	37.08	-16.92	54	34.55	39.01	18.96	55.44	-	-	A	H
		14471	48.97	-25.03	74	41.16	40.4	21.73	54.32	-	-	P	H
		14471	42.14	-11.86	54	34.33	40.4	21.73	54.32	-	-	A	H
		15570	47.04	-26.96	74	40.9	38.19	22.68	54.73	-	-	P	H
		17791	53.7	-20.3	74	43.88	40.91	25.37	56.46	-	-	P	H
		17791	41.06	-12.94	54	31.24	40.91	25.37	56.46	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 38		10380	47.98	-20.22	68.2	45.99	38.68	18.9	55.59	-	-	P	V
5190MHz		10630	49.07	-24.93	74	46.58	39	18.95	55.46	-	-	P	V
		10630	36.64	-17.36	54	34.15	39	18.95	55.46	-	-	A	V
		14502	48.73	-19.47	68.2	40.9	40.4	21.76	54.33	-	-	P	V
		14502	40.33	-13.67	54	32.5	40.4	21.76	54.33	-	-	A	V
		15570	46.91	-27.09	74	40.77	38.19	22.68	54.73	-	-	P	V
		17967	54.19	-19.81	74	42.57	42.74	25.46	56.58	-	-	P	V
		17967	42.98	-11.02	54	31.36	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	48.58	-19.62	68.2	46.55	38.64	18.91	55.52	-	-	P	H
		10674	48.85	-25.15	74	46.35	39	18.95	55.45	-	-	P	H
		10674	37.38	-16.62	54	34.88	39	18.95	55.45	-	-	A	H
		14471	48.97	-25.03	74	41.16	40.4	21.73	54.32	-	-	P	H
		14471	42.55	-11.45	54	34.74	40.4	21.73	54.32	-	-	A	H
		15690	47.08	-26.92	74	41.49	37.74	22.76	54.91	-	-	P	H
		17978	54.19	-19.81	74	42.49	42.82	25.47	56.59	-	-	P	H
		17978	43.05	-10.95	54	31.35	42.82	25.47	56.59	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 46		10460	48.95	-19.25	68.2	46.92	38.64	18.91	55.52	-	-	P	V
5230MHz		11268	49.73	-24.27	74	46.63	39.14	19.13	55.17	-	-	P	V
		11268	38.12	-15.88	54	35.02	39.14	19.13	55.17	-	-	A	V
		14502	48.79	-19.41	68.2	40.96	40.4	21.76	54.33	-	-	P	V
		14502	40.39	-13.61	54	32.56	40.4	21.76	54.33	-	-	A	V
		15690	47.24	-26.76	74	41.65	37.74	22.76	54.91	-	-	P	V
		17956	53.59	-20.41	74	42.05	42.65	25.46	56.57	-	-	P	V
		17956	42.91	-11.09	54	31.37	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 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4	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		5147.42	59.67	-14.33	74	44.18	32.92	12.03	29.46	107	228	P	H
		5149.76	50.29	-3.71	54	34.82	32.9	12.03	29.46	107	228	A	H
	*	5210	99.36	-	-	83.72	32.98	12.14	29.48	107	228	P	H
	*	5210	91.79	-	-	76.15	32.98	12.14	29.48	107	228	A	H
		5436.2	54.42	-19.58	74	38.26	32.9	12.81	29.55	107	228	P	H
		5356.68	45.32	-8.68	54	29.39	32.81	12.64	29.52	107	228	A	H
		5143.52	54.05	-19.95	74	38.55	32.94	12.02	29.46	393	166	P	V
		5139.36	44.88	-9.12	54	29.35	32.96	12.02	29.45	393	166	A	V
	*	5210	93.56	-	-	77.92	32.98	12.14	29.48	393	166	P	V
	*	5210	86.08	-	-	70.44	32.98	12.14	29.48	393	166	A	V
		5449.08	54.78	-19.22	74	38.62	32.9	12.81	29.55	393	166	P	V
		5414.92	44.88	-9.12	54	28.72	32.9	12.8	29.54	393	166	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. 4	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	47.58	-20.62	68.2	45.54	38.68	18.91	55.55	-	-	P	H
		10839	49.03	-24.97	74	46.42	39.04	18.98	55.41	-	-	P	H
		10839	37.21	-16.79	54	34.6	39.04	18.98	55.41	-	-	A	H
		14471	49.95	-24.05	74	42.14	40.4	21.73	54.32	-	-	P	H
		14471	42.66	-11.34	54	34.85	40.4	21.73	54.32	-	-	A	H
		15630	46.26	-27.74	74	40.38	37.98	22.72	54.82	-	-	P	H
		17967	53.54	-20.46	74	41.92	42.74	25.46	56.58	-	-	P	H
		17967	42.9	-11.1	54	31.28	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 42		10420	48.37	-19.83	68.2	46.33	38.68	18.91	55.55	-	-	P	V
5210MHz		10861	48.93	-25.07	74	46.38	38.96	18.99	55.4	-	-	P	V
		10861	37.18	-16.82	54	34.63	38.96	18.99	55.4	-	-	A	V
		14475	48.92	-25.08	74	41.1	40.4	21.74	54.32	-	-	P	V
		14475	42.67	-11.33	54	34.85	40.4	21.74	54.32	-	-	A	V
		15630	46.32	-27.68	74	40.44	37.98	22.72	54.82	-	-	P	V
		17934	53.87	-20.13	74	42.51	42.47	25.45	56.56	-	-	P	V
		17934	42.87	-11.13	54	31.51	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.

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 4	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		5035.02	53.4	-20.6	74	38.08	32.89	11.85	29.42	100	235	P	H
		5086.7	41.37	-12.63	54	25.79	33.09	11.93	29.44	100	235	A	H
	*	5260	108.57	-	-	92.83	32.92	12.31	29.49	100	235	P	H
	*	5260	101.52	-	-	85.78	32.92	12.31	29.49	100	235	A	H
		5445.12	52.98	-21.02	74	36.82	32.9	12.81	29.55	100	235	P	H
		5350.32	40.77	-13.23	54	24.87	32.8	12.62	29.52	100	235	A	H
		5130.22	53.12	-20.88	74	37.55	33.02	12	29.45	383	171	P	V
		5095.88	41.28	-12.72	54	25.6	33.17	11.95	29.44	383	171	A	V
	*	5260	103.3	-	-	87.56	32.92	12.31	29.49	383	171	P	V
	*	5260	96.32	-	-	80.58	32.92	12.31	29.49	383	171	A	V
		5363.28	53.55	-20.45	74	37.58	32.83	12.67	29.53	383	171	P	V
		5434.56	40.17	-13.83	54	24.01	32.9	12.81	29.55	383	171	A	V
802.11a CH 60 5300MHz		5148.92	54.23	-19.77	74	38.75	32.91	12.03	29.46	100	245	P	H
		5099.28	42.73	-11.27	54	27.03	33.19	11.95	29.44	100	245	A	H
	*	5300	110.87	-	-	94.93	33	12.45	29.51	100	245	P	H
	*	5300	103.31	-	-	87.37	33	12.45	29.51	100	245	A	H
		5381.28	54.78	-19.22	74	38.72	32.86	12.73	29.53	100	245	P	H
		5350.08	44.54	-9.46	54	28.64	32.8	12.62	29.52	100	245	A	H
		5113.56	54.08	-19.92	74	38.43	33.12	11.98	29.45	400	169	P	V
		5102.68	42.68	-11.32	54	26.98	33.18	11.96	29.44	400	169	A	V
	*	5300	106	-	-	90.06	33	12.45	29.51	400	169	P	V
	*	5300	98.35	-	-	82.41	33	12.45	29.51	400	169	A	V
		5417.04	54.41	-19.59	74	38.25	32.9	12.8	29.54	400	169	P	V
		5399.52	42.71	-11.29	54	26.56	32.9	12.79	29.54	400	169	A	V

802.11a CH 64 5320MHz	*	5320	111.16	-	-	95.23	32.92	12.52	29.51	100	244	P	H
	*	5320	103.05	-	-	87.12	32.92	12.52	29.51	100	244	A	H
		5355.04	57.87	-16.13	74	41.94	32.81	12.64	29.52	100	244	P	H
		5350.08	45.95	-8.05	54	30.05	32.8	12.62	29.52	100	244	A	H
													H
													H
	*	5320	106.25	-	-	90.32	32.92	12.52	29.51	398	168	P	V
	*	5320	98.55	-	-	82.62	32.92	12.52	29.51	398	168	A	V
		5364	53.67	-20.33	74	37.7	32.83	12.67	29.53	398	168	P	V
		5350.08	42.93	-11.07	54	27.03	32.8	12.62	29.52	398	168	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. 4	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	47.61	-20.59	68.2	45.49	38.68	18.93	55.49	-	-	P	H
		10641	49.08	-24.92	74	46.59	39	18.95	55.46	-	-	P	H
		10641	38.44	-15.56	54	35.95	39	18.95	55.46	-	-	A	H
		14471	47.99	-26.01	74	40.18	40.4	21.73	54.32	-	-	P	H
		14471	39.6	-14.4	54	31.79	40.4	21.73	54.32	-	-	A	H
		15780	45.73	-28.27	74	40.25	37.7	22.83	55.05	-	-	P	H
		17956	53.41	-20.59	74	41.87	42.65	25.46	56.57	-	-	P	H
		17956	43.05	-10.95	54	31.51	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
													H
		10520	49.12	-19.08	68.2	47	38.68	18.93	55.49	-	-	P	V
		10608	49.06	-24.94	74	46.58	39	18.94	55.46	-	-	P	V
		10608	37.68	-16.32	54	35.2	39	18.94	55.46	-	-	A	V
		14480	49.13	-24.87	74	41.31	40.4	21.74	54.32	-	-	P	V
		14480	39.37	-14.63	54	31.55	40.4	21.74	54.32	-	-	A	V
		15780	48.21	-25.79	74	42.73	37.7	22.83	55.05	-	-	P	V
		17956	53.36	-20.64	74	41.82	42.65	25.46	56.57	-	-	P	V
		17956	43.07	-10.93	54	31.53	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	47.71	-26.29	74	45.23	39	18.95	55.47	-	-	P	H
		14471	48.15	-25.85	74	40.34	40.4	21.73	54.32	-	-	P	H
		14471	40.44	-13.56	54	32.63	40.4	21.73	54.32	-	-	A	H
		15900	46.29	-27.71	74	40.72	37.9	22.9	55.23	-	-	P	H
		17967	53.08	-20.92	74	41.46	42.74	25.46	56.58	-	-	P	H
		17967	43.07	-10.93	54	31.45	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
													H
													H
i802.11a CH 60 5300MHz		10600	47.91	-26.09	74	45.43	39	18.95	55.47	-	-	P	V
		14480	49.1	-24.9	74	41.28	40.4	21.74	54.32	-	-	P	V
		14480	40.22	-13.78	54	32.4	40.4	21.74	54.32	-	-	A	V
		15900	46.4	-27.6	74	40.83	37.9	22.9	55.23	-	-	P	V
		17956	53.49	-20.51	74	41.95	42.65	25.46	56.57	-	-	P	V
		17956	43.06	-10.94	54	31.52	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	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	47.92	-26.08	74	45.43	39	18.95	55.46	-	-	P	H
		14471	48.57	-25.43	74	40.76	40.4	21.73	54.32	-	-	P	H
		14471	41.32	-12.68	54	33.51	40.4	21.73	54.32	-	-	A	H
		15960	46.62	-27.38	74	41.27	37.72	22.95	55.32	-	-	P	H
		17989	54	-20	74	42.2	42.91	25.48	56.59	-	-	P	H
		17989	43.53	-10.47	54	31.73	42.91	25.48	56.59	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	47.87	-26.13	74	45.38	39	18.95	55.46	-	-	P	V
		14471	49.19	-24.81	74	41.38	40.4	21.73	54.32	-	-	P	V
		14471	41.95	-12.05	54	34.14	40.4	21.73	54.32	-	-	A	V
		15960	46.24	-27.76	74	40.89	37.72	22.95	55.32	-	-	P	V
		17890	53.94	-20.06	74	42.97	42.08	25.42	56.53	-	-	P	V
		17890	42.5	-11.5	54	31.53	42.08	25.42	56.53	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
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 HT20 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5125.8	53.52	-20.48	74	37.93	33.05	11.99	29.45	100	235	P	H
		5110.84	43.57	-10.43	54	27.92	33.13	11.97	29.45	100	235	A	H
	*	5260	110.93	-	-	95.19	32.92	12.31	29.49	100	235	P	H
	*	5260	103.13	-	-	87.39	32.92	12.31	29.49	100	235	A	H
802.11n		5419.2	54.75	-19.25	74	38.59	32.9	12.8	29.54	100	235	P	H
HT20		5360.88	44.04	-9.96	54	28.09	32.82	12.66	29.53	100	235	A	H
CH 52		5122.06	54.19	-19.81	74	38.58	33.07	11.99	29.45	383	172	P	V
5260MHz		5126.82	43.72	-10.28	54	28.13	33.04	12	29.45	383	172	A	V
	*	5260	105.79	-	-	90.05	32.92	12.31	29.49	383	172	P	V
	*	5260	98	-	-	82.26	32.92	12.31	29.49	383	172	A	V
		5445.36	54.49	-19.51	74	38.33	32.9	12.81	29.55	383	172	P	V
		5417.52	43.78	-10.22	54	27.62	32.9	12.8	29.54	383	172	A	V
		5081.6	54.35	-19.65	74	38.81	33.05	11.93	29.44	100	245	P	H
		5104.38	43.87	-10.13	54	28.18	33.17	11.96	29.44	100	245	A	H
	*	5300	110.86	-	-	94.92	33	12.45	29.51	100	245	P	H
	*	5300	102.91	-	-	86.97	33	12.45	29.51	100	245	A	H
802.11n		5352.24	55.9	-18.1	74	39.99	32.8	12.63	29.52	100	245	P	H
HT20		5350.56	45.71	-8.29	54	29.81	32.8	12.62	29.52	100	245	A	H
CH 60		5119.34	54.18	-19.82	74	38.57	33.08	11.98	29.45	400	170	P	V
5300MHz		5091.8	43.94	-10.06	54	28.31	33.13	11.94	29.44	400	170	A	V
	*	5300	105.87	-	-	89.93	33	12.45	29.51	400	170	P	V
	*	5300	97.78	-	-	81.84	33	12.45	29.51	400	170	A	V
		5361.12	55.36	-18.64	74	39.41	32.82	12.66	29.53	400	170	P	V
		5429.52	44.16	-9.84	54	28.01	32.9	12.8	29.55	400	170	A	V

	*	5320	110.46	-	-	94.53	32.92	12.52	29.51	100	244	P	H
	*	5320	102.55	-	-	86.62	32.92	12.52	29.51	100	244	A	H
		5352.8	58.31	-15.69	74	42.39	32.81	12.63	29.52	100	244	P	H
		5350.72	47.01	-6.99	54	31.11	32.8	12.62	29.52	100	244	A	H
802.11n													H
HT20													H
CH 64	*	5320	106.66	-	-	90.73	32.92	12.52	29.51	396	171	P	V
5320MHz	*	5320	98.18	-	-	82.25	32.92	12.52	29.51	396	171	A	V
		5442.88	54.22	-19.78	74	38.06	32.9	12.81	29.55	396	171	P	V
		5350.56	44.27	-9.73	54	28.37	32.8	12.62	29.52	396	171	A	V
													V
													V

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4	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)
		10520	48.05	-20.15	68.2	45.93	38.68	18.93	55.49	-	-	P	H
		10971	49.18	-24.82	74	46.68	38.87	19.01	55.38	-	-	P	H
		10971	37.65	-16.35	54	35.15	38.87	19.01	55.38	-	-	A	H
		14471	48.21	-25.79	74	40.4	40.4	21.73	54.32	-	-	P	H
		14471	42.36	-11.64	54	34.55	40.4	21.73	54.32	-	-	A	H
		15780	46.53	-27.47	74	41.05	37.7	22.83	55.05	-	-	P	H
		17989	54.09	-19.91	74	42.29	42.91	25.48	56.59	-	-	P	H
		17989	43.26	-10.74	54	31.46	42.91	25.48	56.59	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 52		10520	48.93	-19.27	68.2	46.81	38.68	18.93	55.49	-	-	P	V
5260MHz		10630	49.29	-24.71	74	46.8	39	18.95	55.46	-	-	P	V
		10630	37.85	-16.15	54	35.36	39	18.95	55.46	-	-	A	V
		14472	48.87	-25.13	74	41.06	40.4	21.73	54.32	-	-	P	V
		14472	41.96	-12.04	54	34.15	40.4	21.73	54.32	-	-	A	V
		15780	46.16	-27.84	74	40.68	37.7	22.83	55.05	-	-	P	V
		17934	53.61	-20.39	74	42.25	42.47	25.45	56.56	-	-	P	V
		17934	42.98	-11.02	54	31.62	42.47	25.45	56.56	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	50.26	-23.74	74	47.78	39	18.95	55.47	107	266	P	H
		10600	40.28	-13.72	54	37.8	39	18.95	55.47	107	266	A	H
		14471	49.98	-24.02	74	42.17	40.4	21.73	54.32	-	-	P	H
		14471	42.06	-11.94	54	34.25	40.4	21.73	54.32	-	-	A	H
		15900	46.14	-27.86	74	40.57	37.9	22.9	55.23	-	-	P	H
		17956	53.67	-20.33	74	42.13	42.65	25.46	56.57	-	-	P	H
		17956	42.9	-11.1	54	31.36	42.65	25.46	56.57	-	-	A	H
													H
													H
													H
802.11n													H
HT20													H
CH 60		10600	50.82	-23.18	74	48.34	39	18.95	55.47	100	306	P	V
5300MHz		10600	41.52	-12.48	54	39.04	39	18.95	55.47	100	306	A	V
		14480	49.31	-24.69	74	41.49	40.4	21.74	54.32	-	-	P	V
		14480	42.56	-11.44	54	34.74	40.4	21.74	54.32	-	-	A	V
		15900	45.89	-28.11	74	40.32	37.9	22.9	55.23	-	-	P	V
		17945	53.24	-20.76	74	41.79	42.56	25.45	56.56	-	-	P	V
		17945	42.9	-11.1	54	31.45	42.56	25.45	56.56	-	-	A	V
													V
													V
													V
													V
													V

WIFI Ant. 4	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	50.57	-23.43	74	48.08	39	18.95	55.46	100	266	P	H
		10640	40.19	-13.81	54	37.7	39	18.95	55.46	100	266	A	H
		14471	48.17	-25.83	74	40.36	40.4	21.73	54.32	-	-	P	H
		14471	42.39	-11.61	54	34.58	40.4	21.73	54.32	-	-	A	H
		15960	46.24	-27.76	74	40.89	37.72	22.95	55.32	-	-	P	H
		17978	53.38	-20.62	74	41.68	42.82	25.47	56.59	-	-	P	H
		17978	43.18	-10.82	54	31.48	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
802.11n													H
HT20													H
CH 64		10640	50.56	-23.44	74	48.07	39	18.95	55.46	100	306	P	V
5320MHz		10640	41.55	-12.45	54	39.06	39	18.95	55.46	100	306	A	V
		14491	49.2	-24.8	74	41.38	40.4	21.75	54.33	-	-	P	V
		14491	42.34	-11.66	54	34.52	40.4	21.75	54.33	-	-	A	V
		15960	46.61	-27.39	74	41.26	37.72	22.95	55.32	-	-	P	V
		17956	53.61	-20.39	74	42.07	42.65	25.46	56.57	-	-	P	V
		17956	43.2	-10.8	54	31.66	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
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. 4	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		5069.02	54.12	-19.88	74	38.69	32.95	11.91	29.43	100	242	P	H
		5128.52	44.88	-9.12	54	29.3	33.03	12	29.45	100	242	A	H
	*	5270	108.56	-	-	92.77	32.94	12.35	29.5	100	242	P	H
	*	5270	100.58	-	-	84.79	32.94	12.35	29.5	100	242	A	H
		5429.04	55.1	-18.9	74	38.95	32.9	12.8	29.55	100	242	P	H
		5351.28	46.27	-7.73	54	30.37	32.8	12.62	29.52	100	242	A	H
		5103.7	53.78	-20.22	74	38.08	33.18	11.96	29.44	382	169	P	V
		5075.48	44.74	-9.26	54	29.25	33	11.92	29.43	382	169	A	V
	*	5270	103.02	-	-	87.23	32.94	12.35	29.5	382	169	P	V
	*	5270	95.29	-	-	79.5	32.94	12.35	29.5	382	169	A	V
		5409.6	54.5	-19.5	74	38.35	32.9	12.79	29.54	382	169	P	V
		5447.52	44.99	-9.01	54	28.83	32.9	12.81	29.55	382	169	A	V
802.11n HT40 CH 62 5310MHz		5115.26	52.84	-21.16	74	37.2	33.11	11.98	29.45	100	228	P	H
		5087.38	44.58	-9.42	54	28.98	33.1	11.94	29.44	100	228	A	H
	*	5310	103.5	-	-	87.57	32.96	12.48	29.51	100	228	P	H
	*	5310	95.68	-	-	79.75	32.96	12.48	29.51	100	228	A	H
		5351.04	57.13	-16.87	74	41.23	32.8	12.62	29.52	100	228	P	H
		5350.8	49.75	-4.25	54	33.85	32.8	12.62	29.52	100	228	A	H
		5026.86	54.22	-19.78	74	38.86	32.94	11.84	29.42	397	169	P	V
		5097.58	44.66	-9.34	54	28.97	33.18	11.95	29.44	397	169	A	V
	*	5310	99.05	-	-	83.12	32.96	12.48	29.51	397	169	P	V
	*	5310	91.02	-	-	75.09	32.96	12.48	29.51	397	169	A	V
		5395.68	54.89	-19.11	74	38.76	32.89	12.78	29.54	397	169	P	V
		5350.56	45.76	-8.24	54	29.86	32.8	12.62	29.52	397	169	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. 4	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	47.43	-20.77	68.2	45.21	38.76	18.94	55.48	-	-	P	H
		11631	48.68	-25.32	74	45.6	38.74	19.3	54.96	-	-	P	H
		11631	38.5	-15.5	54	35.42	38.74	19.3	54.96	-	-	A	H
		14471	48.89	-25.11	74	41.08	40.4	21.73	54.32	-	-	P	H
		14471	42.04	-11.96	54	34.23	40.4	21.73	54.32	-	-	A	H
		15810	45.54	-28.46	74	40.06	37.72	22.85	55.09	-	-	P	H
		17912	53.62	-20.38	74	42.43	42.3	25.43	56.54	-	-	P	H
		17912	42.66	-11.34	54	31.47	42.3	25.43	56.54	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 54		10540	47.59	-20.61	68.2	45.37	38.76	18.94	55.48	-	-	P	V
5270MHz		12412	48.82	-25.18	74	44.7	38.79	19.86	54.53	-	-	P	V
		12412	39.35	-14.65	54	35.23	38.79	19.86	54.53	-	-	A	V
		14491	49.73	-24.27	74	41.91	40.4	21.75	54.33	-	-	P	V
		14491	42	-12	54	34.18	40.4	21.75	54.33	-	-	A	V
		15810	45.74	-28.26	74	40.26	37.72	22.85	55.09	-	-	P	V
		17945	53.58	-20.42	74	42.13	42.56	25.45	56.56	-	-	P	V
		17945	42.78	-11.22	54	31.33	42.56	25.45	56.56	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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	47.54	-26.46	74	45.05	39	18.95	55.46	-	-	P	H
		14471	48.62	-25.38	74	40.81	40.4	21.73	54.32	-	-	P	H
		14471	42.58	-11.42	54	34.77	40.4	21.73	54.32	-	-	A	H
		15930	46.07	-27.93	74	40.6	37.81	22.93	55.27	-	-	P	H
		17967	53.38	-20.62	74	41.76	42.74	25.46	56.58	-	-	P	H
		17967	43.17	-10.83	54	31.55	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 62		10620	47.62	-26.38	74	45.13	39	18.95	55.46	-	-	P	V
5310MHz		14475	49.34	-24.66	74	41.52	40.4	21.74	54.32	-	-	P	V
		14475	42.39	-11.61	54	34.57	40.4	21.74	54.32	-	-	A	V
		15930	46.39	-27.61	74	40.92	37.81	22.93	55.27	-	-	P	V
		17945	53.68	-20.32	74	42.23	42.56	25.45	56.56	-	-	P	V
		17945	42.61	-11.39	54	31.16	42.56	25.45	56.56	-	-	A	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
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. 4	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		5109.82	54.01	-19.99	74	38.35	33.14	11.97	29.45	100	244	P	H
		5088.74	44.91	-9.09	54	29.3	33.11	11.94	29.44	100	244	A	H
	*	5290	99.47	-	-	83.57	32.98	12.42	29.5	100	244	P	H
	*	5290	92.03	-	-	76.13	32.98	12.42	29.5	100	244	A	H
		5354.88	59.37	-14.63	74	43.44	32.81	12.64	29.52	100	244	P	H
		5350.08	50.31	-3.69	54	34.41	32.8	12.62	29.52	100	244	A	H
		5143.48	54.1	-19.9	74	38.6	32.94	12.02	29.46	379	169	P	V
		5104.72	44.85	-9.15	54	29.16	33.17	11.96	29.44	379	169	A	V
	*	5290	94.93	-	-	79.03	32.98	12.42	29.5	379	169	P	V
	*	5290	87.4	-	-	71.5	32.98	12.42	29.5	379	169	A	V
		5436.48	55.59	-18.41	74	39.43	32.9	12.81	29.55	379	169	P	V
		5423.52	45.38	-8.62	54	29.23	32.9	12.8	29.55	379	169	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. 4	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	47.56	-20.64	68.2	45.17	38.92	18.94	55.47	-	-	P	H
		12126	49.62	-24.38	74	45.81	38.97	19.58	54.74	-	-	P	H
		12126	39.26	-14.74	54	35.45	38.97	19.58	54.74	-	-	A	H
		14471	48.81	-25.19	74	41	40.4	21.73	54.32	-	-	P	H
		14471	41.98	-12.02	54	34.17	40.4	21.73	54.32	-	-	A	H
		15870	47.5	-26.5	74	41.95	37.84	22.89	55.18	-	-	P	H
		17956	54.26	-19.74	74	42.72	42.65	25.46	56.57	-	-	P	H
		17956	43.17	-10.83	54	31.63	42.65	25.46	56.57	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 58		10580	47.34	-20.86	68.2	44.95	38.92	18.94	55.47	-	-	P	V
5290MHz		10872	48.64	-25.36	74	46.15	38.91	18.98	55.4	-	-	P	V
		10872	37.73	-16.27	54	35.24	38.91	18.98	55.4	-	-	A	V
		14475	49.34	-24.66	74	41.52	40.4	21.74	54.32	-	-	P	V
		14475	42.55	-11.45	54	34.73	40.4	21.74	54.32	-	-	A	V
		15870	46.92	-27.08	74	41.37	37.84	22.89	55.18	-	-	P	V
		17934	54.11	-19.89	74	42.75	42.47	25.45	56.56	-	-	P	V
		17934	42.64	-11.36	54	31.28	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 802.11a (Band Edge @ 3m)

WIFI Ant. 4	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		5457.04	57.59	-16.41	74	41.44	32.89	12.82	29.56	100	227	P	H
		5465.84	61.39	-6.81	68.2	45.26	32.87	12.82	29.56	100	227	P	H
		5460	45.59	-8.41	54	29.45	32.88	12.82	29.56	100	227	A	H
	*	5500	108.96	-	-	92.89	32.8	12.84	29.57	100	227	P	H
	*	5500	101.45	-	-	85.38	32.8	12.84	29.57	100	227	A	H
													H
		5457.84	56.32	-17.68	74	40.18	32.88	12.82	29.56	395	175	P	V
		5469.36	59.53	-8.67	68.2	43.41	32.86	12.82	29.56	395	175	P	V
		5460.08	44.67	-9.33	54	28.53	32.88	12.82	29.56	395	175	A	V
	*	5500	105.41	-	-	89.34	32.8	12.84	29.57	395	175	P	V
	*	5500	97.78	-	-	81.71	32.8	12.84	29.57	395	175	A	V
													V
802.11a CH 116 5580MHz		5424.64	54.95	-19.05	74	38.8	32.9	12.8	29.55	110	271	P	H
		5466.4	53.88	-14.32	68.2	37.75	32.87	12.82	29.56	110	271	P	H
		5431.12	42.59	-11.41	54	26.44	32.9	12.8	29.55	110	271	A	H
	*	5580	108.85	-	-	92.52	33.04	12.87	29.58	110	271	P	H
	*	5580	101.14	-	-	84.81	33.04	12.87	29.58	110	271	A	H
		5759.33	54.83	-13.37	68.2	37.86	33.62	12.97	29.62	110	271	P	H
		5452.96	56.43	-17.57	74	40.28	32.89	12.81	29.55	400	169	P	V
		5466.16	53.77	-14.43	68.2	37.64	32.87	12.82	29.56	400	169	P	V
		5440	42.73	-11.27	54	26.57	32.9	12.81	29.55	400	169	A	V
	*	5580	106.81	-	-	90.48	33.04	12.87	29.58	400	169	P	V
	*	5580	98.63	-	-	82.3	33.04	12.87	29.58	400	169	A	V
		5761.535	54.49	-13.71	68.2	37.52	33.62	12.97	29.62	400	169	P	V

802.11a CH 140 5700MHz	*	5700	107.52	-	-	90.9	33.3	12.93	29.61	100	287	P	H
	*	5700	100.14	-	-	83.52	33.3	12.93	29.61	100	287	A	H
		5725.24	62.89	-5.31	68.2	46.1	33.45	12.95	29.61	100	287	P	H
													H
													H
													H
	*	5700	105.43	-	-	88.81	33.3	12.93	29.61	100	3	P	V
	*	5700	98.06	-	-	81.44	33.3	12.93	29.61	100	3	A	V
		5725	59.29	-8.91	68.2	42.5	33.45	12.95	29.61	100	3	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. 4	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		11000	47.57	-26.43	74	45.03	38.9	19.01	55.37	-	-	P	H
		14471	48.88	-25.12	74	41.07	40.4	21.73	54.32	-	-	P	H
		14471	42.36	-11.64	54	34.55	40.4	21.73	54.32	-	-	A	H
		16500	48.12	-20.08	68.2	40.5	38.5	23.98	54.86	-	-	P	H
		17868	54.16	-19.84	74	43.43	41.82	25.42	56.51	-	-	P	H
		17868	41.91	-12.09	54	31.18	41.82	25.42	56.51	-	-	A	H
													H
													H
													H
													H
													H
													H
		11000	47.14	-26.86	74	44.6	38.9	19.01	55.37	-	-	P	V
		14480	49.08	-24.92	74	41.26	40.4	21.74	54.32	-	-	P	V
		14480	42.3	-11.7	54	34.48	40.4	21.74	54.32	-	-	A	V
		16500	49.23	-18.97	68.2	41.61	38.5	23.98	54.86	-	-	P	V
		17912	54.21	-19.79	74	43.02	42.3	25.43	56.54	-	-	P	V
		17912	42.48	-11.52	54	31.29	42.3	25.43	56.54	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	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)
		11160	47.05	-26.95	74	44.25	38.96	19.09	55.25	-	-	P	H
		14471	48.8	-25.2	74	40.99	40.4	21.73	54.32	-	-	P	H
		14471	42.7	-11.3	54	34.89	40.4	21.73	54.32	-	-	A	H
		16740	49.07	-19.13	68.2	41.74	37.88	24.46	55.01	-	-	P	H
		17978	53.83	-20.17	74	42.13	42.82	25.47	56.59	-	-	P	H
		17978	43.37	-10.63	54	31.67	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	47.77	-26.23	74	44.97	38.96	19.09	55.25	-	-	P	V
		14491	49.07	-24.93	74	41.25	40.4	21.75	54.33	-	-	P	V
		14491	42.56	-11.44	54	34.74	40.4	21.75	54.33	-	-	A	V
		16740	48.47	-19.73	68.2	41.14	37.88	24.46	55.01	-	-	P	V
		17956	53.94	-20.06	74	42.4	42.65	25.46	56.57	-	-	P	V
		17956	42.95	-11.05	54	31.41	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	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)
		11400	49.98	-24.02	74	46.66	39.2	19.19	55.07	100	316	P	H
		11400	39.65	-14.35	54	36.33	39.2	19.19	55.07	100	316	A	H
		14471	48.84	-25.16	74	41.03	40.4	21.73	54.32	-	-	P	H
		14471	41.98	-12.02	54	34.17	40.4	21.73	54.32	-	-	A	H
		17100	49.28	-18.92	68.2	41.95	37.7	25.03	55.4	-	-	P	H
		17978	54	-20	74	42.3	42.82	25.47	56.59	-	-	P	H
		17978	43.07	-10.93	54	31.37	42.82	25.47	56.59	-	-	A	H
													H
													H
													H
													H
802.11a													H
CH 140		11400	52.27	-21.73	74	48.95	39.2	19.19	55.07	100	322	P	V
5700MHz		11400	41.83	-12.17	54	38.51	39.2	19.19	55.07	100	322	A	V
		14472	49.48	-24.52	74	41.67	40.4	21.73	54.32	-	-	P	V
		14472	42.4	-11.6	54	34.59	40.4	21.73	54.32	-	-	A	V
		17100	48.73	-19.47	68.2	41.4	37.7	25.03	55.4	-	-	P	V
		17956	53.97	-20.03	74	42.43	42.65	25.46	56.57	-	-	P	V
		17956	42.9	-11.1	54	31.36	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against Peak and Average limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.
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 HT20 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5455.76	55.52	-18.48	74	39.37	32.89	12.82	29.56	100	217	P	H
		5466	61.45	-6.75	68.2	45.32	32.87	12.82	29.56	100	217	P	H
		5459.76	46.65	-7.35	54	30.51	32.88	12.82	29.56	100	217	A	H
	*	5500	109.06	-	-	92.99	32.8	12.84	29.57	100	217	P	H
802.11n	*	5500	101	-	-	84.93	32.8	12.84	29.57	100	217	A	H
HT20													H
CH 100		5456.24	55.53	-18.47	74	39.38	32.89	12.82	29.56	390	173	P	V
5500MHz		5468.56	58.83	-9.37	68.2	42.71	32.86	12.82	29.56	390	173	P	V
		5459.44	45.18	-8.82	54	29.04	32.88	12.82	29.56	390	173	A	V
	*	5500	107.28	-	-	91.21	32.8	12.84	29.57	390	173	P	V
	*	5500	99.67	-	-	83.6	32.8	12.84	29.57	390	173	A	V
													V
		5459.44	54.72	-19.28	74	38.58	32.88	12.82	29.56	101	272	P	H
		5463.04	55.15	-13.05	68.2	39.02	32.87	12.82	29.56	101	272	P	H
		5434.24	44.21	-9.79	54	28.05	32.9	12.81	29.55	101	272	A	H
	*	5580	108.8	-	-	92.47	33.04	12.87	29.58	101	272	P	H
802.11n	*	5580	101.18	-	-	84.85	33.04	12.87	29.58	101	272	A	H
HT20		5747.36	55.35	-12.85	68.2	38.42	33.58	12.96	29.61	101	272	P	H
CH 116		5404	54.48	-19.52	74	38.33	32.9	12.79	29.54	400	169	P	V
5580MHz		5462.08	54.15	-14.05	68.2	38.01	32.88	12.82	29.56	400	169	P	V
		5433.04	44.17	-9.83	54	28.02	32.9	12.8	29.55	400	169	A	V
	*	5580	106.84	-	-	90.51	33.04	12.87	29.58	400	169	P	V
	*	5580	98.5	-	-	82.17	33.04	12.87	29.58	400	169	A	V
		5737.595	54.64	-13.56	68.2	37.76	33.53	12.96	29.61	400	169	P	V

	*	5700	105.45	-	-	88.83	33.3	12.93	29.61	107	231	P	H
	*	5700	97.17	-	-	80.55	33.3	12.93	29.61	107	231	A	H
		5725.32	63.77	-4.43	68.2	46.98	33.45	12.95	29.61	107	231	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	103.97	-	-	87.35	33.3	12.93	29.61	107	18	P	V
5700MHz	*	5700	96.39	-	-	79.77	33.3	12.93	29.61	107	18	A	V
		5725.24	61.71	-6.49	68.2	44.92	33.45	12.95	29.61	107	18	P	V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 4	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)
		11000	47.88	-26.12	74	45.34	38.9	19.01	55.37	-	-	P	H
		14471	48.85	-25.15	74	41.04	40.4	21.73	54.32	-	-	P	H
		14471	42.46	-11.54	54	34.65	40.4	21.73	54.32	-	-	A	H
		16500	47.61	-20.59	68.2	39.99	38.5	23.98	54.86	-	-	P	H
		17967	53.69	-20.31	74	42.07	42.74	25.46	56.58	-	-	P	H
		17967	43.1	-10.9	54	31.48	42.74	25.46	56.58	-	-	A	H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 100		11000	47.9	-26.1	74	45.36	38.9	19.01	55.37	-	-	P	V
5500MHz		14475	49.14	-24.86	74	41.32	40.4	21.74	54.32	-	-	P	V
		14475	42	-12	54	34.18	40.4	21.74	54.32	-	-	A	V
		16500	47.59	-20.61	68.2	39.97	38.5	23.98	54.86	-	-	P	V
		17978	53.38	-20.62	74	41.68	42.82	25.47	56.59	-	-	P	V
		17978	43.27	-10.73	54	31.57	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI Ant. 4	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)
		11160	47.21	-26.79	74	44.41	38.96	19.09	55.25	-	-	P	H
		11565	48.96	-25.04	74	45.87	38.8	19.27	54.98	-	-	P	H
		11565	38.87	-15.13	54	35.78	38.8	19.27	54.98	-	-	A	H
		14480	49.81	-24.19	74	41.99	40.4	21.74	54.32	-	-	P	H
		14480	39.66	-14.34	54	31.84	40.4	21.74	54.32	-	-	A	H
		16740	48.48	-19.72	68.2	41.15	37.88	24.46	55.01	-	-	P	H
		17967	53.52	-20.48	74	41.9	42.74	25.46	56.58	-	-	P	H
		17967	43.37	-10.63	54	31.75	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 116		11160	46.68	-27.32	74	43.88	38.96	19.09	55.25	-	-	P	V
5580MHz		11400	49.33	-24.67	74	46.01	39.2	19.19	55.07	-	-	P	V
		11400	39.37	-14.63	54	36.05	39.2	19.19	55.07	-	-	A	V
		14491	48.34	-25.66	74	40.52	40.4	21.75	54.33	-	-	P	V
		14491	38.29	-15.71	54	30.47	40.4	21.75	54.33	-	-	A	V
		16740	47.79	-20.41	68.2	40.46	37.88	24.46	55.01	-	-	P	V
		17967	52.82	-21.18	74	41.2	42.74	25.46	56.58	-	-	P	V
		17967	42.74	-11.26	54	31.12	42.74	25.46	56.58	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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)
		10630	48.7	-25.3	74	46.21	39	18.95	55.46	-	-	P	H
		10630	38.67	-15.33	54	36.18	39	18.95	55.46	-	-	A	H
		11400	47.95	-26.05	74	44.63	39.2	19.19	55.07	-	-	P	H
		14491	48.6	-25.4	74	40.78	40.4	21.75	54.33	-	-	P	H
		14491	38.57	-15.43	54	30.75	40.4	21.75	54.33	-	-	A	H
		17100	47.41	-20.79	68.2	40.08	37.7	25.03	55.4	-	-	P	H
		17967	53.39	-20.61	74	41.77	42.74	25.46	56.58	-	-	P	H
		17967	43.3	-10.7	54	31.68	42.74	25.46	56.58	-	-	A	H
													H
													H
802.11n													H
HT20													H
CH 140		10619	48.57	-25.43	74	46.08	39	18.95	55.46	-	-	P	V
5700MHz		10619	38.53	-15.47	54	36.04	39	18.95	55.46	-	-	A	V
		11400	47.71	-26.29	74	44.39	39.2	19.19	55.07	-	-	P	V
		14491	48.82	-25.18	74	41	40.4	21.75	54.33	-	-	P	V
		14491	38.67	-15.33	54	30.85	40.4	21.75	54.33	-	-	A	V
		17100	48.49	-19.71	68.2	41.16	37.7	25.03	55.4	-	-	P	V
		17989	53.67	-20.33	74	41.87	42.91	25.48	56.59	-	-	P	V
		17989	43.68	-10.32	54	31.88	42.91	25.48	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 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5459.2	59.18	-14.82	74	43.04	32.88	12.82	29.56	100	228	P	H
		5470	63.81	-4.39	68.2	47.69	32.86	12.82	29.56	100	228	P	H
		5459.68	49.56	-4.44	54	33.42	32.88	12.82	29.56	100	228	A	H
	*	5510	102.74	-	-	86.67	32.8	12.84	29.57	100	228	P	H
802.11n	*	5510	94.8	-	-	78.73	32.8	12.84	29.57	100	228	A	H
HT40		5764.685	54.39	-13.81	68.2	37.41	33.63	12.97	29.62	100	228	P	H
CH 102		5458.72	57.49	-16.51	74	41.35	32.88	12.82	29.56	376	175	P	V
5510MHz		5468.32	61.04	-7.16	68.2	44.92	32.86	12.82	29.56	376	175	P	V
		5459.92	47.89	-6.11	54	31.75	32.88	12.82	29.56	376	175	A	V
	*	5510	101.54	-	-	85.47	32.8	12.84	29.57	376	175	P	V
	*	5510	93.77	-	-	77.7	32.8	12.84	29.57	376	175	A	V
		5760.59	55.39	-12.81	68.2	38.42	33.62	12.97	29.62	376	175	P	V
		5384.56	54.39	-19.61	74	38.31	32.87	12.74	29.53	100	120	P	H
		5469.28	54.11	-14.09	68.2	37.99	32.86	12.82	29.56	100	120	P	H
		5457.04	45.5	-8.5	54	29.35	32.89	12.82	29.56	100	120	A	H
	*	5550	106.39	-	-	90.31	32.8	12.86	29.58	100	120	P	H
802.11n	*	5550	98.42	-	-	82.34	32.8	12.86	29.58	100	120	A	H
HT40		5738.855	54.67	-13.53	68.2	37.79	33.53	12.96	29.61	100	120	P	H
CH 110		5400.64	53.91	-20.09	74	37.76	32.9	12.79	29.54	100	19	P	V
5550MHz		5464.48	53.45	-14.75	68.2	37.32	32.87	12.82	29.56	100	19	P	V
		5454.64	44.67	-9.33	54	28.53	32.89	12.81	29.56	100	19	A	V
	*	5550	101.74	-	-	85.66	32.8	12.86	29.58	100	19	P	V
	*	5550	93.69	-	-	77.61	32.8	12.86	29.58	100	19	A	V
		5758.07	54.23	-13.97	68.2	37.26	33.62	12.97	29.62	100	19	P	V

		5438.2	54.28	-19.72	74	38.12	32.9	12.81	29.55	100	282	P	H
		5466.2	52.79	-15.41	68.2	36.66	32.87	12.82	29.56	100	282	P	H
		5402.15	45.26	-8.74	54	29.11	32.9	12.79	29.54	100	282	A	H
	*	5670	105.46	-	-	88.84	33.3	12.92	29.6	100	282	P	H
802.11n	*	5670	97.33	-	-	80.71	33.3	12.92	29.6	100	282	A	H
HT40		5726.5	57.21	-10.99	68.2	40.41	33.46	12.95	29.61	100	282	P	H
CH 134		5424.2	54.84	-19.16	74	38.69	32.9	12.8	29.55	100	18	P	V
5670MHz		5464.45	52.32	-15.88	68.2	36.19	32.87	12.82	29.56	100	18	P	V
		5361.9	44.67	-9.33	54	28.72	32.82	12.66	29.53	100	18	A	V
	*	5670	102.49	-	-	85.87	33.3	12.92	29.6	100	18	P	V
	*	5670	94.5	-	-	77.88	33.3	12.92	29.6	100	18	A	V
		5752.925	55.92	-12.28	68.2	38.97	33.61	12.96	29.62	100	18	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. 4	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)
		10839	48.44	-25.56	74	45.83	39.04	18.98	55.41	-	-	P	H
		10839	38.39	-15.61	54	35.78	39.04	18.98	55.41	-	-	A	H
		11020	47.48	-26.52	74	44.92	38.9	19.02	55.36	-	-	P	H
		14491	48.88	-25.12	74	41.06	40.4	21.75	54.33	-	-	P	H
		14491	38.83	-15.17	54	31.01	40.4	21.75	54.33	-	-	A	H
		16530	48.19	-20.01	68.2	40.59	38.44	24.04	54.88	-	-	P	H
		17901	52.93	-21.07	74	41.82	42.21	25.43	56.53	-	-	P	H
		17901	42.86	-11.14	54	31.75	42.21	25.43	56.53	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 102		11020	47.89	-26.11	74	45.33	38.9	19.02	55.36	-	-	P	V
5510MHz		11400	48.95	-25.05	74	45.63	39.2	19.19	55.07	-	-	P	V
		11400	38.9	-15.1	54	35.58	39.2	19.19	55.07	-	-	A	V
		14491	49.84	-24.16	74	42.02	40.4	21.75	54.33	-	-	P	V
		14491	39.87	-14.13	54	32.05	40.4	21.75	54.33	-	-	A	V
		16530	47.36	-20.84	68.2	39.76	38.44	24.04	54.88	-	-	P	V
		17901	53.8	-20.2	74	42.69	42.21	25.43	56.53	-	-	P	V
		17901	43.7	-10.3	54	32.59	42.21	25.43	56.53	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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)
		10707	49.12	-24.88	74	46.59	39.01	18.96	55.44	-	-	P	H
		10707	39.05	-14.95	54	36.52	39.01	18.96	55.44	-	-	A	H
		11100	47.09	-26.91	74	44.43	38.9	19.06	55.3	-	-	P	H
		14491	48.57	-25.43	74	40.75	40.4	21.75	54.33	-	-	P	H
		14491	38.5	-15.5	54	30.68	40.4	21.75	54.33	-	-	A	H
		16650	48.14	-20.06	68.2	40.67	38.15	24.28	54.96	-	-	P	H
		17989	52.64	-21.36	74	40.84	42.91	25.48	56.59	-	-	P	H
		17989	42.55	-11.45	54	30.75	42.91	25.48	56.59	-	-	A	H
													H
													H
802.11n													H
HT40													H
CH 110		10817	48.47	-25.53	74	45.77	39.13	18.98	55.41	-	-	P	V
5550MHz		10817	38.39	-15.61	54	35.69	39.13	18.98	55.41	-	-	A	V
		11100	46.87	-27.13	74	44.21	38.9	19.06	55.3	-	-	P	V
		14480	48.26	-25.74	74	40.44	40.4	21.74	54.32	-	-	P	V
		14480	38.18	-15.82	54	30.36	40.4	21.74	54.32	-	-	A	V
		16650	47.51	-20.69	68.2	40.04	38.15	24.28	54.96	-	-	P	V
		17956	53.17	-20.83	74	41.63	42.65	25.46	56.57	-	-	P	V
		17956	43.12	-10.88	54	31.58	42.65	25.46	56.57	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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)
		10685	48.61	-25.39	74	46.1	39	18.96	55.45	-	-	P	H
		10685	38.56	-15.44	54	36.05	39	18.96	55.45	-	-	A	H
		11340	47.27	-26.73	74	44.03	39.2	19.16	55.12	-	-	P	H
		14480	48.01	-25.99	74	40.19	40.4	21.74	54.32	-	-	P	H
		14480	37.96	-16.04	54	30.14	40.4	21.74	54.32	-	-	A	H
		17010	48.37	-19.83	68.2	40.88	37.7	24.99	55.2	-	-	P	H
		17967	54.07	-19.93	74	42.45	42.74	25.46	56.58	-	-	P	H
		17967	43.96	-10.04	54	32.34	42.74	25.46	56.58	-	-	A	H
													H
													H
i802.11n													H
HT40													H
CH 134		11246	50.09	-23.91	74	47.07	39.09	19.12	55.19	-	-	P	V
5670MHz		11246	40.03	-13.97	54	37.01	39.09	19.12	55.19	-	-	A	V
		11340	47.2	-26.8	74	43.96	39.2	19.16	55.12	-	-	P	V
		14480	48.37	-25.63	74	40.55	40.4	21.74	54.32	-	-	P	V
		14480	38.32	-15.68	54	30.5	40.4	21.74	54.32	-	-	A	V
		17010	47.8	-20.4	68.2	40.31	37.7	24.99	55.2	-	-	P	V
		17967	53.61	-20.39	74	41.99	42.74	25.46	56.58	-	-	P	V
		17967	43.47	-10.53	54	31.85	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 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 4	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)
		5459.68	58.53	-15.47	74	42.39	32.88	12.82	29.56	100	226	P	H
		5468.08	59.75	-8.45	68.2	43.63	32.86	12.82	29.56	100	226	P	H
		5457.76	50.48	-3.52	54	34.34	32.88	12.82	29.56	100	226	A	H
	*	5530	97.1	-	-	81.03	32.8	12.85	29.58	100	226	P	H
802.11ac	*	5530	89.32	-	-	73.25	32.8	12.85	29.58	100	226	A	H
VHT80		5755.235	54.33	-13.87	68.2	37.37	33.61	12.97	29.62	100	226	P	H
CH 106		5458.24	56.85	-17.15	74	40.71	32.88	12.82	29.56	398	165	P	V
5530MHz		5463.28	56.55	-11.65	68.2	40.42	32.87	12.82	29.56	398	165	P	V
		5459.68	48.1	-5.9	54	31.96	32.88	12.82	29.56	398	165	A	V
	*	5530	90.89	-	-	74.82	32.8	12.85	29.58	398	165	P	V
	*	5530	83.07	-	-	67	32.8	12.85	29.58	398	165	A	V
		5764.055	54.85	-13.35	68.2	37.87	33.63	12.97	29.62	398	165	P	V
		5452.96	54.26	-19.74	74	38.11	32.89	12.81	29.55	100	273	P	H
		5463.28	54.38	-13.82	68.2	38.25	32.87	12.82	29.56	100	273	P	H
		5457.76	45.38	-8.62	54	29.24	32.88	12.82	29.56	100	273	A	H
	*	5610	103.8	-	-	87.28	33.22	12.89	29.59	100	273	P	H
802.11ac	*	5610	95.78	-	-	79.26	33.22	12.89	29.59	100	273	A	H
VHT80		5730.035	55.92	-12.28	68.2	39.1	33.48	12.95	29.61	100	273	P	H
CH 122		5430.64	54.19	-19.81	74	38.04	32.9	12.8	29.55	397	169	P	V
5610MHz		5461.36	53.33	-14.87	68.2	37.19	32.88	12.82	29.56	397	169	P	V
		5458.96	45.13	-8.87	54	28.99	32.88	12.82	29.56	397	169	A	V
	*	5610	100.68	-	-	84.16	33.22	12.89	29.59	397	169	P	V
	*	5610	92.72	-	-	76.2	33.22	12.89	29.59	397	169	A	V
		5735.705	54.83	-13.37	68.2	37.98	33.51	12.95	29.61	397	169	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. 4	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	48.44	-25.56	74	45.98	38.87	18.99	55.4	-	-	P	H
		10883	38.38	-15.62	54	35.92	38.87	18.99	55.4	-	-	A	H
		11060	47.71	-26.29	74	45.1	38.9	19.04	55.33	-	-	P	H
		14480	48.51	-25.49	74	40.69	40.4	21.74	54.32	-	-	P	H
		14480	38.46	-15.54	54	30.64	40.4	21.74	54.32	-	-	A	H
		16590	47.78	-20.42	68.2	40.22	38.32	24.16	54.92	-	-	P	H
		17978	53.45	-20.55	74	41.75	42.82	25.47	56.59	-	-	P	H
		17978	43.39	-10.61	54	31.69	42.82	25.47	56.59	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 106		10630	48.89	-25.11	74	46.4	39	18.95	55.46	-	-	P	V
5530MHz		10630	38.84	-15.16	54	36.35	39	18.95	55.46	-	-	A	V
		11060	47.31	-26.69	74	44.7	38.9	19.04	55.33	-	-	P	V
		14491	48.47	-25.53	74	40.65	40.4	21.75	54.33	-	-	P	V
		14491	38.4	-15.6	54	30.58	40.4	21.75	54.33	-	-	A	V
		16590	47.34	-20.86	68.2	39.78	38.32	24.16	54.92	-	-	P	V
		17978	53.32	-20.68	74	41.62	42.82	25.47	56.59	-	-	P	V
		17978	43.28	-10.72	54	31.58	42.82	25.47	56.59	-	-	A	V
													V
													V
													V
													V

WIFI Ant. 4	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)
		10784	48.68	-25.32	74	45.96	39.17	18.97	55.42	-	-	P	H
		10784	38.61	-15.39	54	35.89	39.17	18.97	55.42	-	-	A	H
		11220	47.96	-26.04	74	45.02	39.04	19.11	55.21	-	-	P	H
		14480	48.7	-25.3	74	40.88	40.4	21.74	54.32	-	-	P	H
		14480	38.54	-15.46	54	30.72	40.4	21.74	54.32	-	-	A	H
		16830	48.51	-19.69	68.2	41.23	37.7	24.65	55.07	-	-	P	H
		17956	54.03	-19.97	74	42.49	42.65	25.46	56.57	-	-	P	H
		17956	43.95	-10.05	54	32.41	42.65	25.46	56.57	-	-	A	H
													H
													H
802.11ac													H
VHT80													H
CH 122		10828	48.36	-25.64	74	45.7	39.09	18.98	55.41	-	-	P	V
5610MHz		10828	38.28	-15.72	54	35.62	39.09	18.98	55.41	-	-	A	V
		11220	47.66	-26.34	74	44.72	39.04	19.11	55.21	-	-	P	V
		14491	49.56	-24.44	74	41.74	40.4	21.75	54.33	-	-	P	V
		14491	39.5	-14.5	54	31.68	40.4	21.75	54.33	-	-	A	V
		16830	47.9	-20.3	68.2	40.62	37.7	24.65	55.07	-	-	P	V
		17978	53.69	-20.31	74	41.99	42.82	25.47	56.59	-	-	P	V
		17978	43.6	-10.4	54	31.9	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.

Emission below 1GHz

WIFI 802.11n HT20 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 LF		96.93	22.64	-20.86	43.5	37.69	15.54	1.72	32.31	-	-	P	H
		152.22	22.59	-20.91	43.5	35.3	17.22	2.33	32.26	-	-	P	H
		286.08	21.64	-24.36	46	31.81	19.08	3.03	32.28	-	-	P	H
		579.99	28.11	-17.89	46	30.67	25.72	4.23	32.51	-	-	P	H
		796.3	35.63	-10.37	46	35.03	27.97	4.89	32.26	-	-	P	H
		901.06	37.98	-8.02	46	35.27	29.02	5.22	31.53	-	-	P	H
													H
													H
													H
													H
													H
													H
		35.82	31.22	-8.78	40	40.83	21.81	0.89	32.31	-	-	P	V
		97.9	31.56	-11.94	43.5	46.58	15.56	1.72	32.3	-	-	P	V
		141.55	22.2	-21.3	43.5	34.65	17.56	2.26	32.27	-	-	P	V
		184.23	22.26	-21.24	43.5	37.2	14.88	2.41	32.23	-	-	P	V
		796.3	35.19	-10.81	46	34.59	27.97	4.89	32.26	-	-	P	V
		891.36	37.22	-8.78	46	34.75	28.88	5.2	31.61	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.

Note symbol

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

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

WIFI	Note	Frequency	Level	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		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

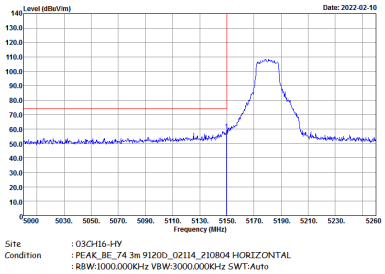
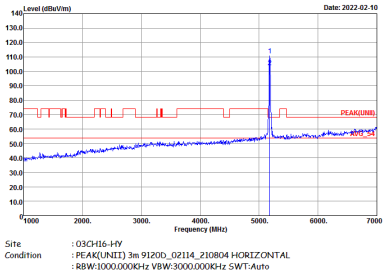
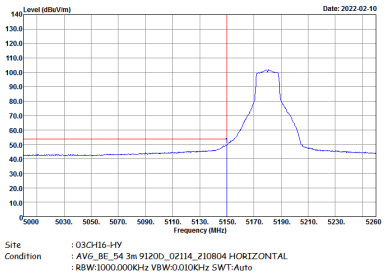
Test Engineer :	Andy Yang, Karl Hou and Wilson Wu	**Temperature :**	20~25°C
		Relative Humidity :	50~65%

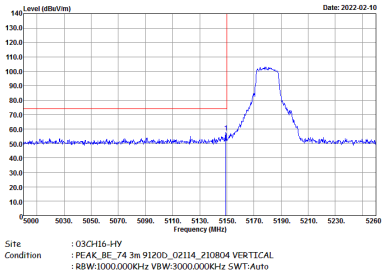
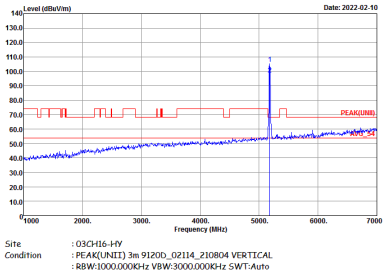
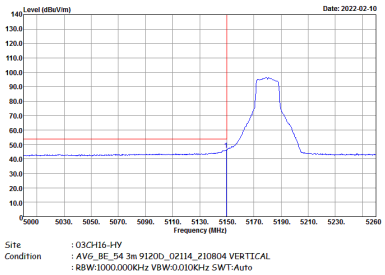
Note symbol

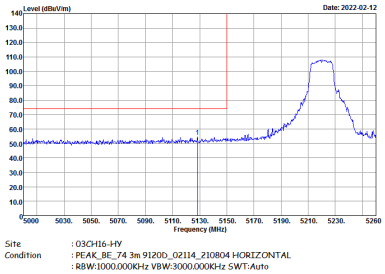
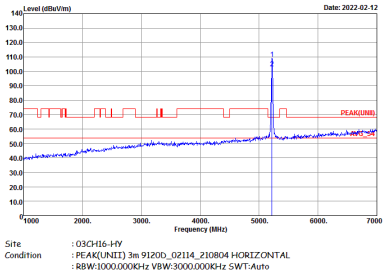
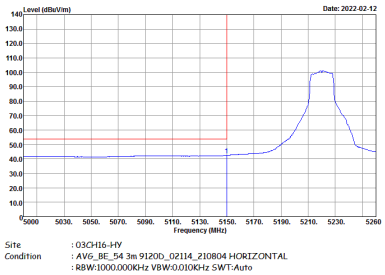
-L	**Low channel location**
-R	**High channel location**

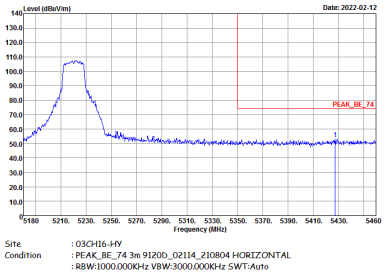
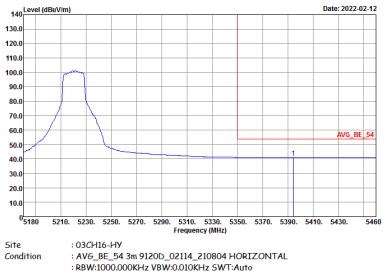
Band 1 - 5150~5250MHz

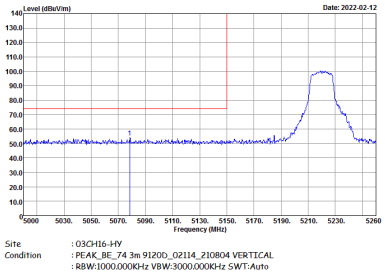
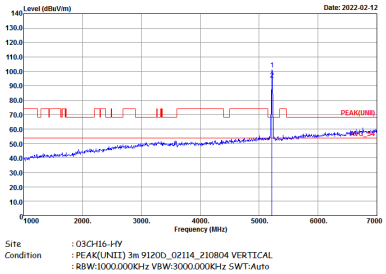
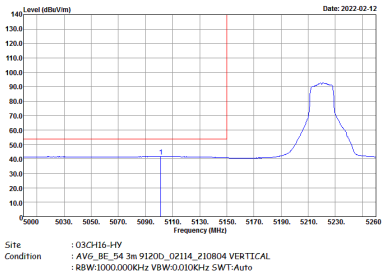
WIFI 802.11a (Band Edge @ 3m)

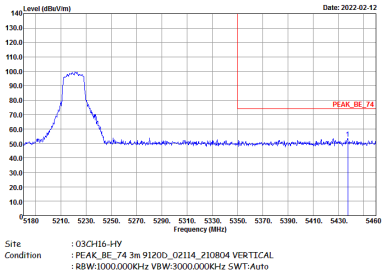
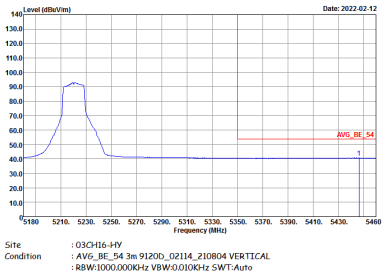
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

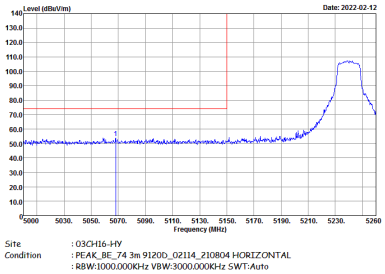
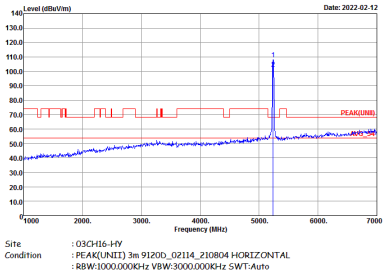
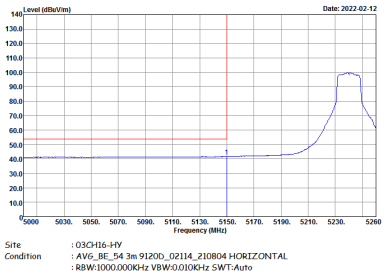
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

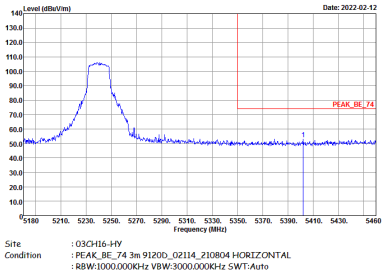
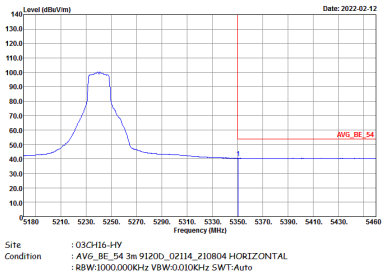
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

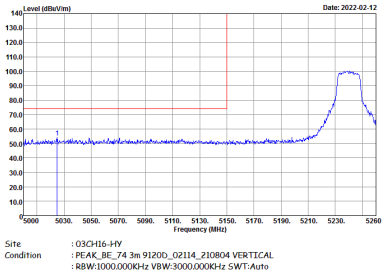
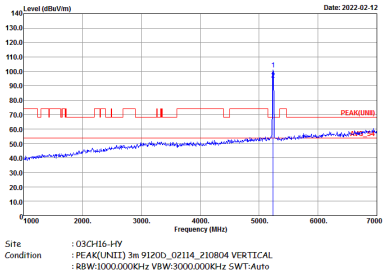
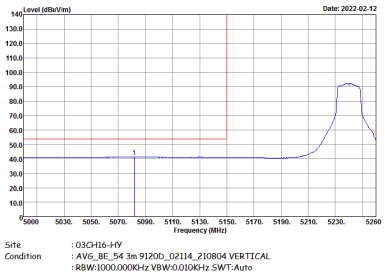
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

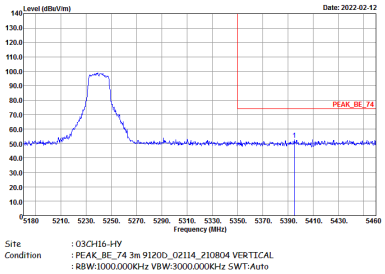
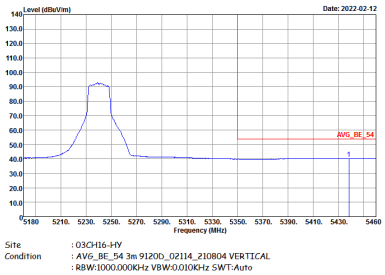
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

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

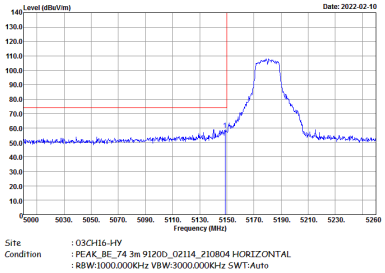
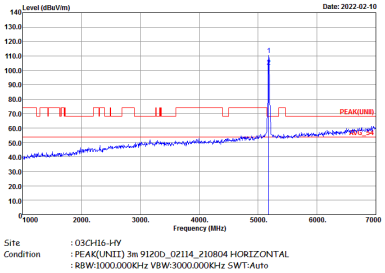
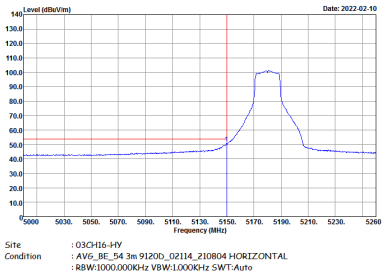
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

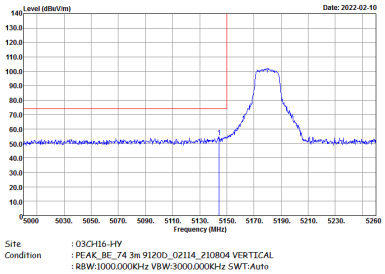
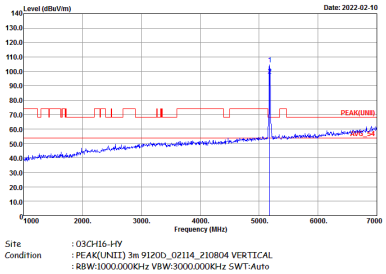
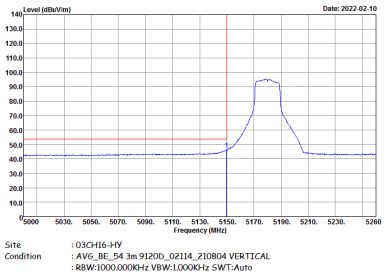
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

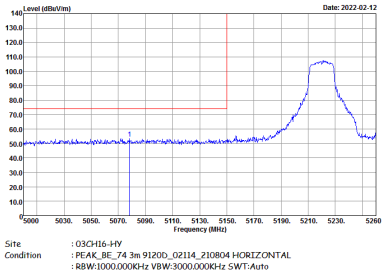
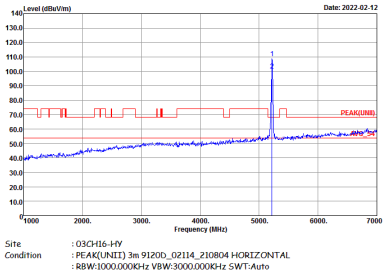
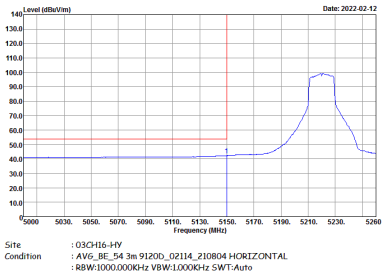
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

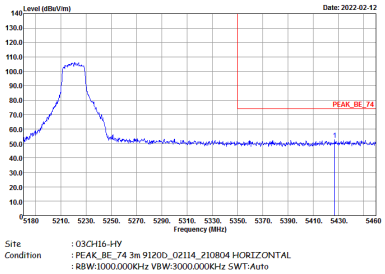
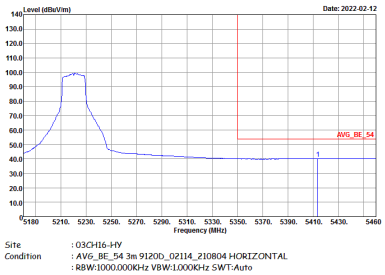
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

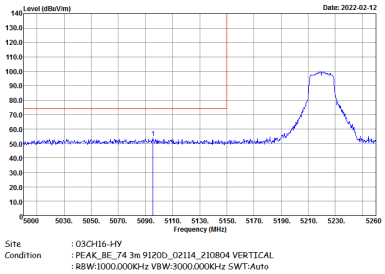
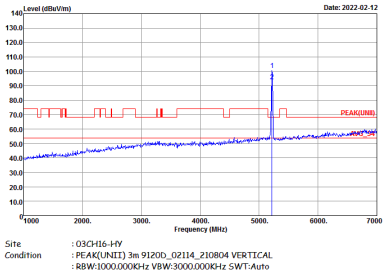
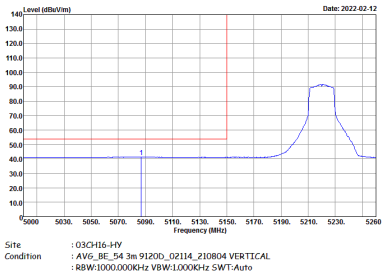
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

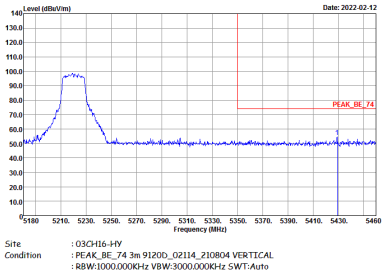
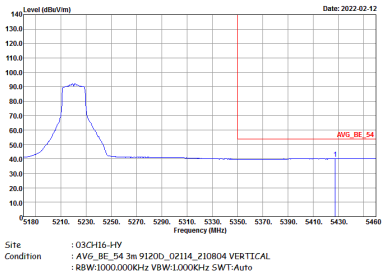
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

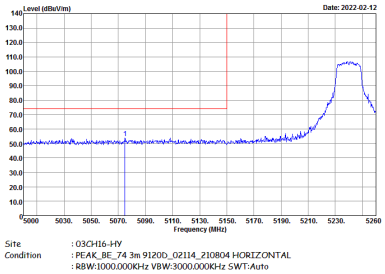
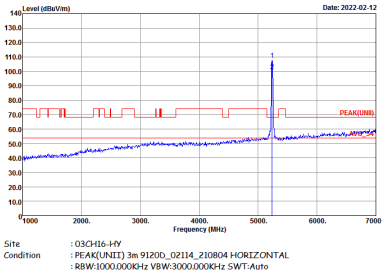
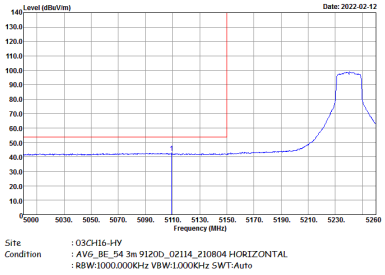
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

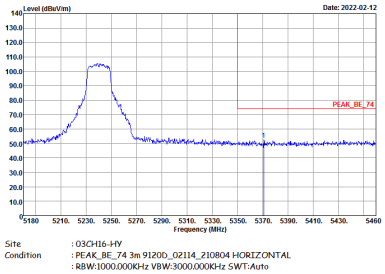
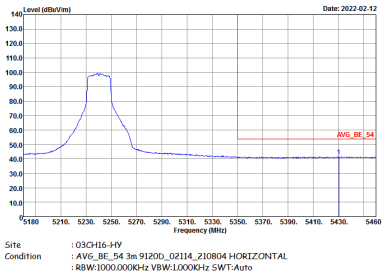
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

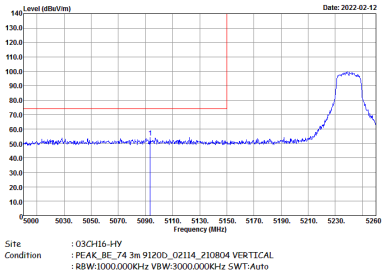
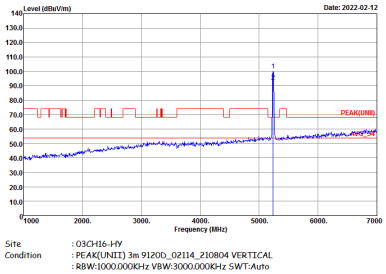
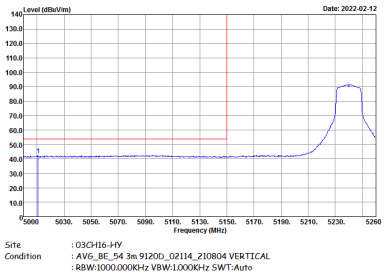
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

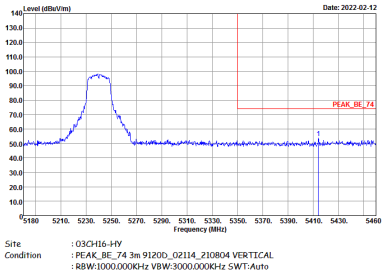
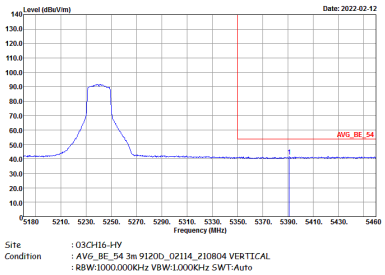
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

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

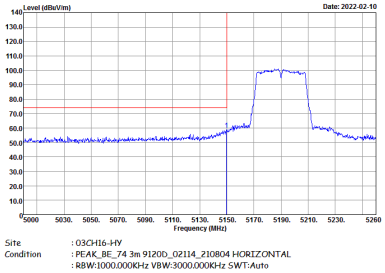
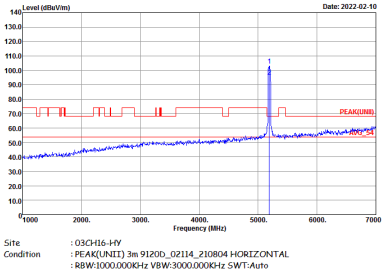
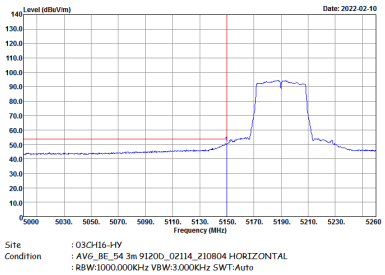
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

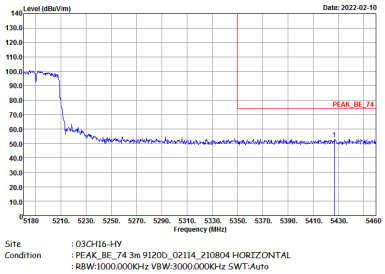
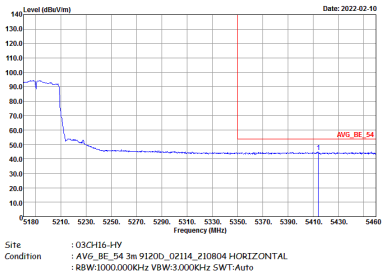
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

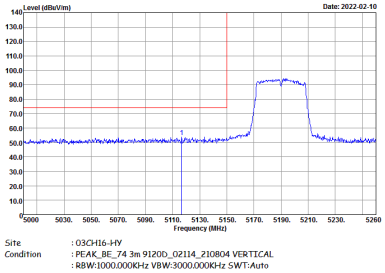
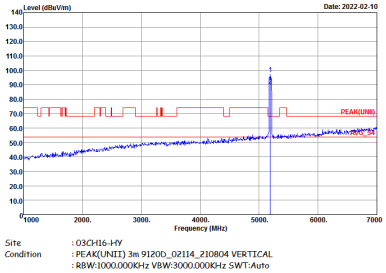
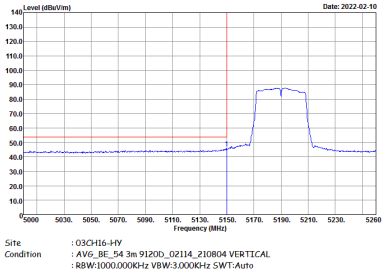
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

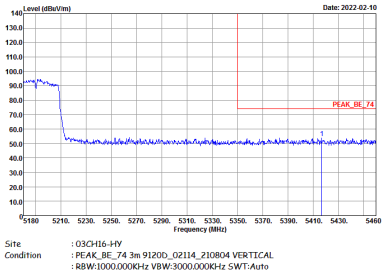
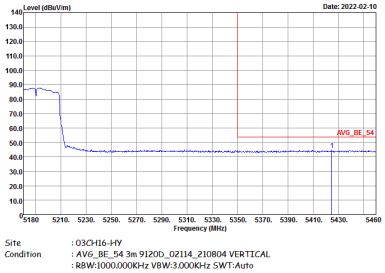
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

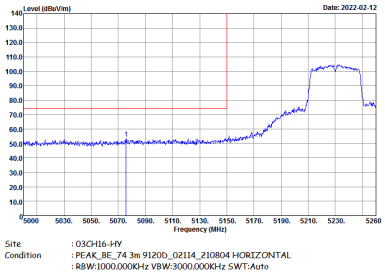
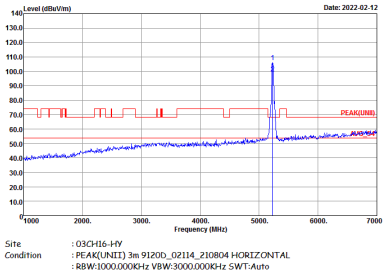
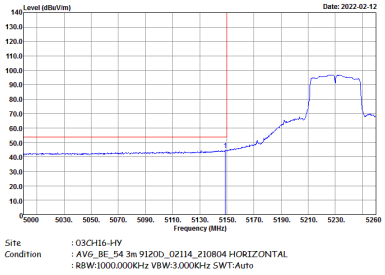
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

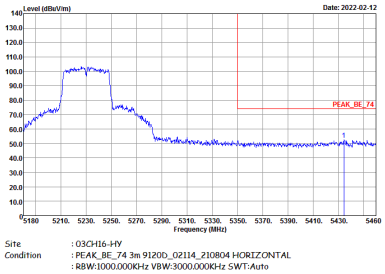
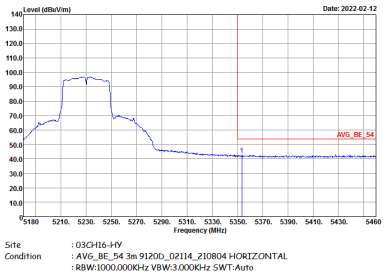
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

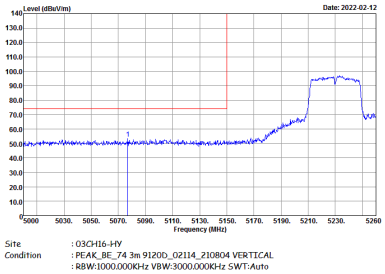
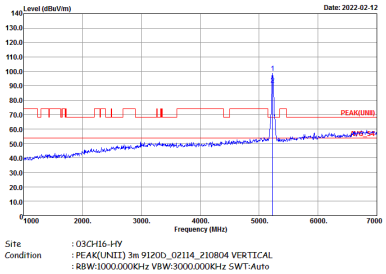
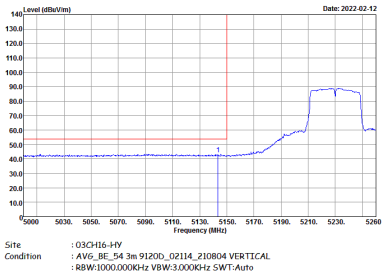
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

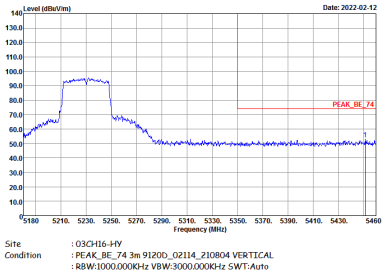
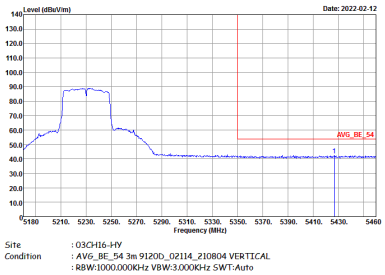
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

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

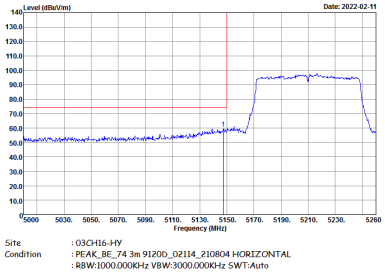
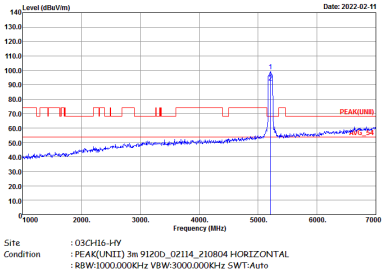
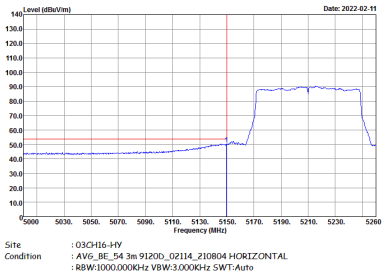
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

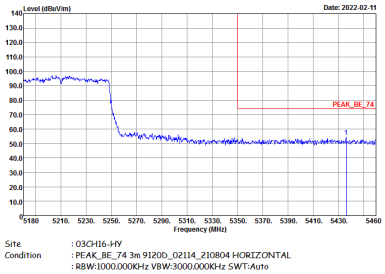
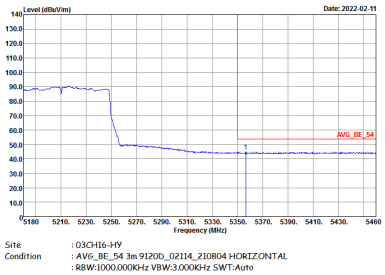
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

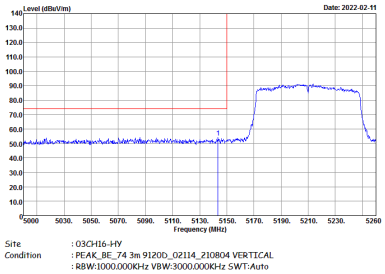
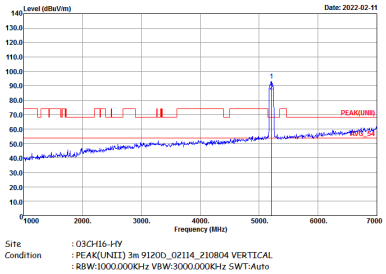
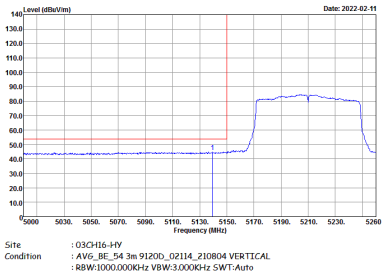
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

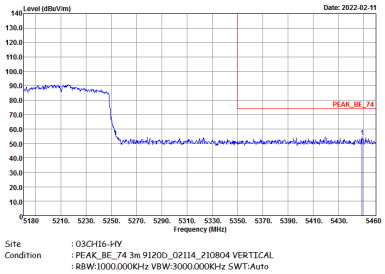
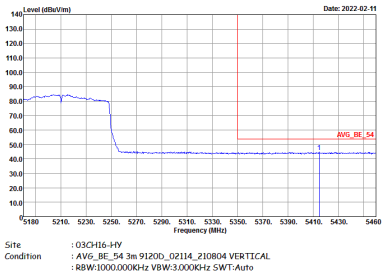
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

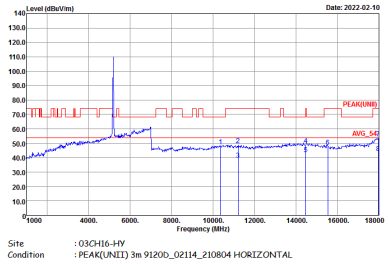
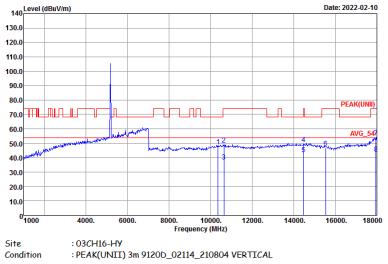
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

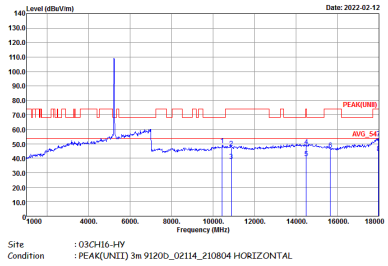
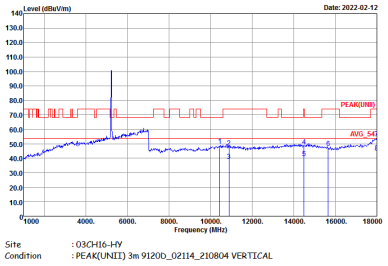
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

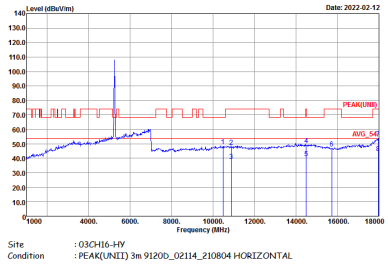
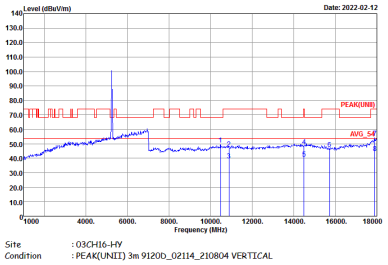
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

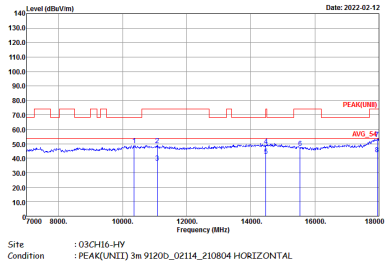
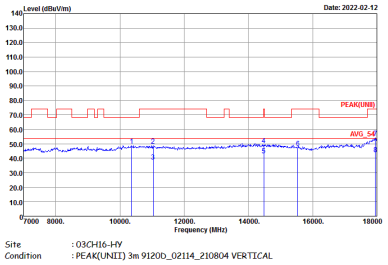
WIFI 802.11a (Harmonic @ 3m)

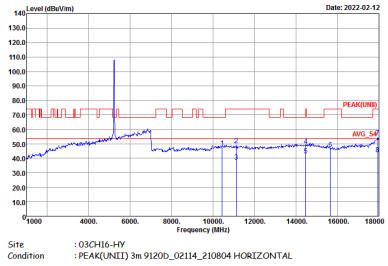
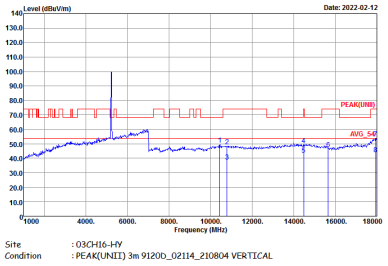
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Vertical
Peak Avg.		

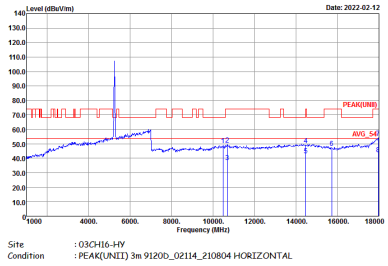
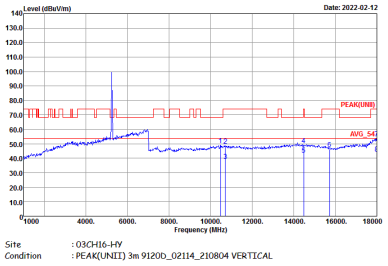
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4	Horizontal	Vertical
Peak Avg.		

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

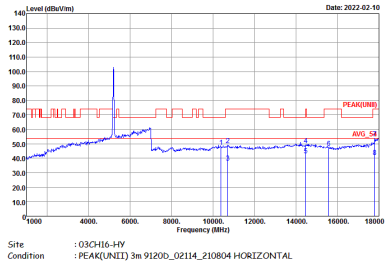
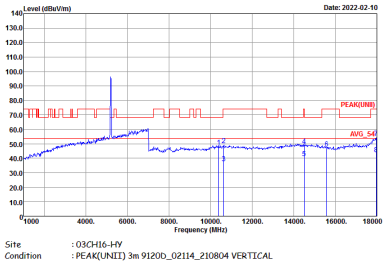
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

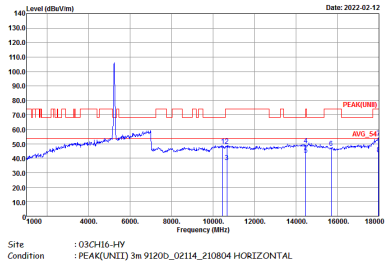
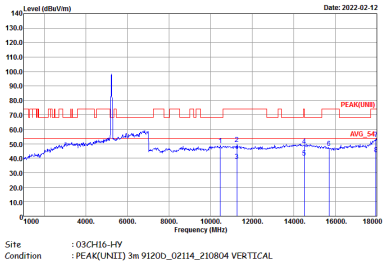
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Vertical
Peak Avg.		

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

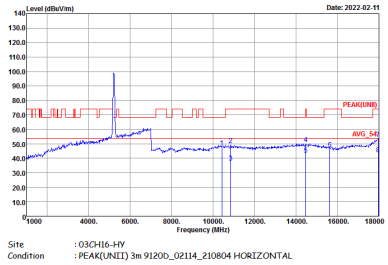
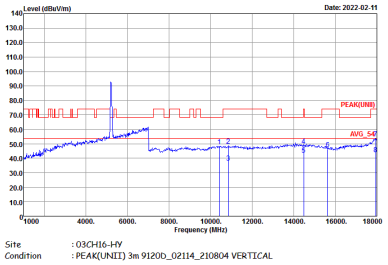
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4	Horizontal	Vertical
Peak Avg.		

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

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

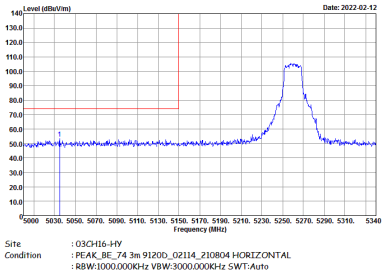
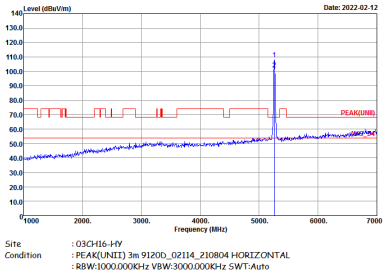
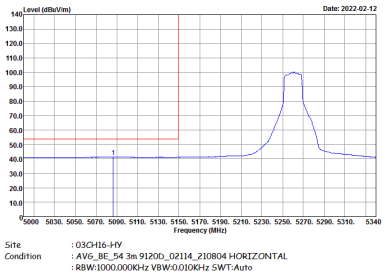
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4	Horizontal	Vertical
Peak Avg.		

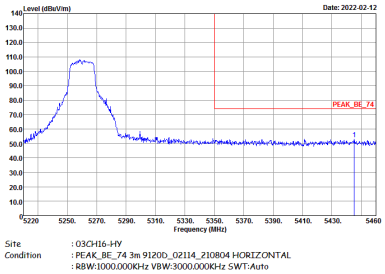
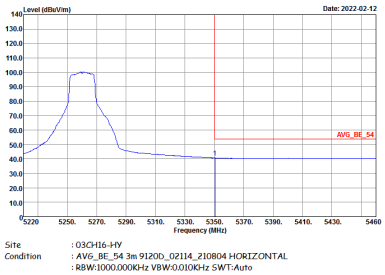
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

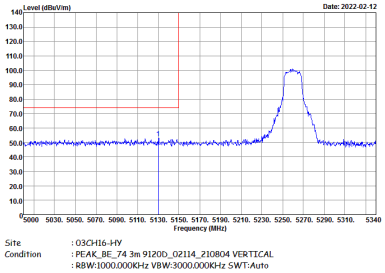
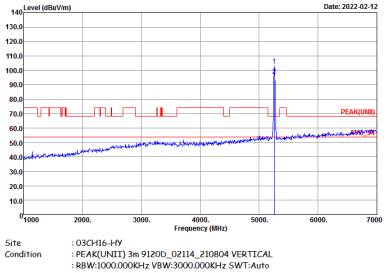
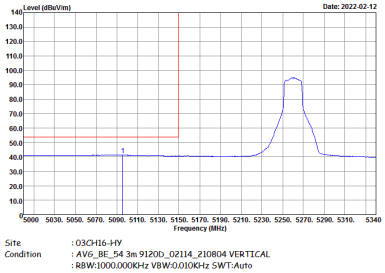
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4	Horizontal	Vertical
Peak Avg.		

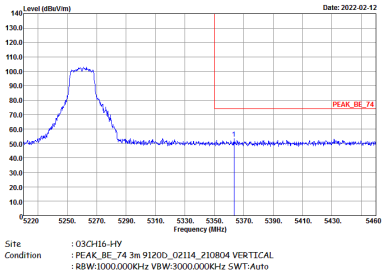
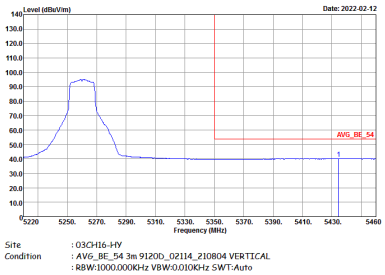
Band 2 - 5250~5350MHz

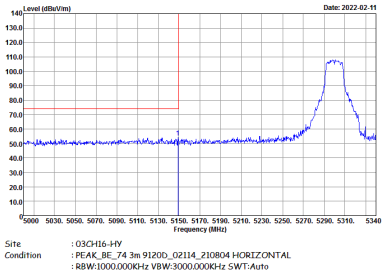
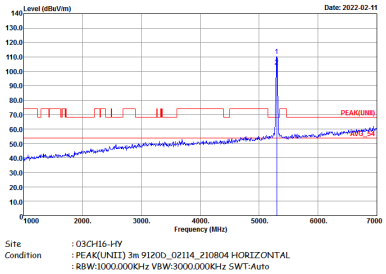
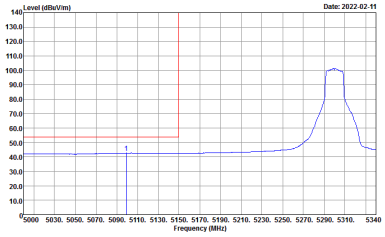
WIFI 802.11a (Band Edge @ 3m)

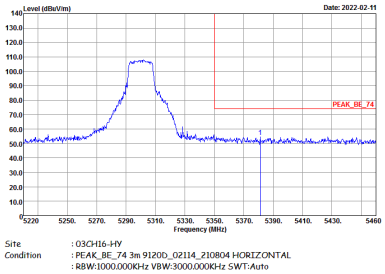
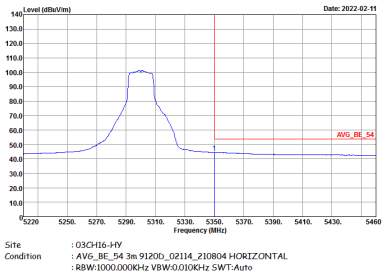
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

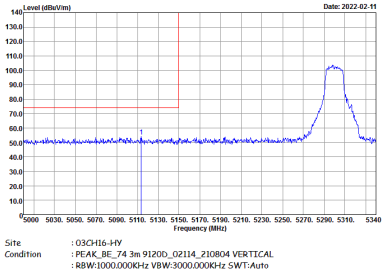
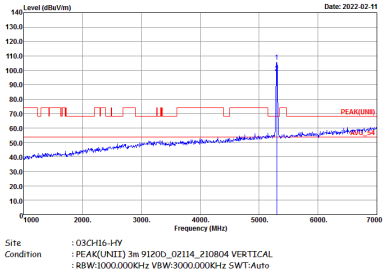
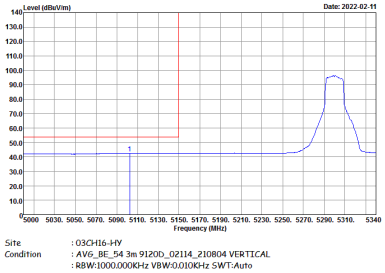
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

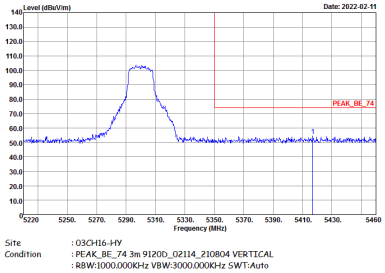
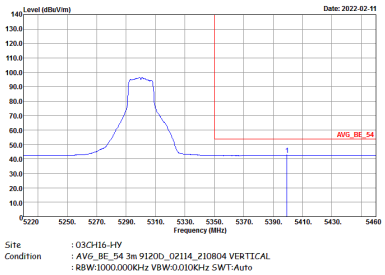
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

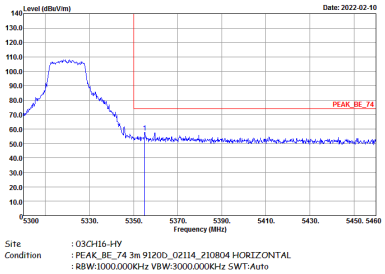
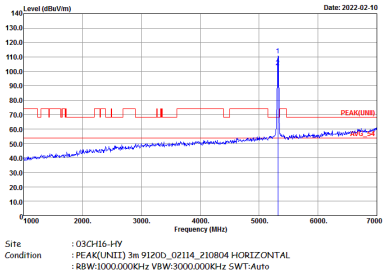
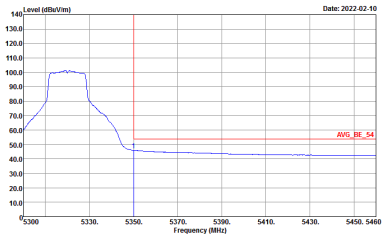
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

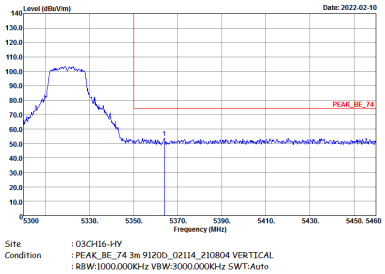
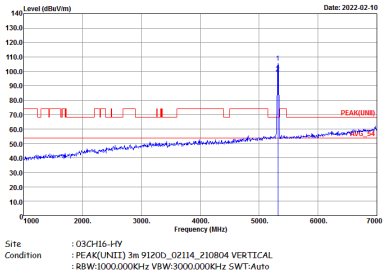
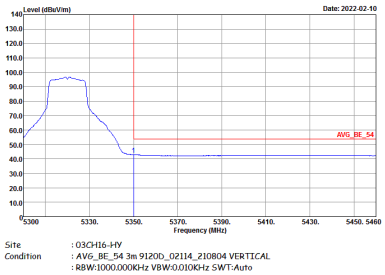
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

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

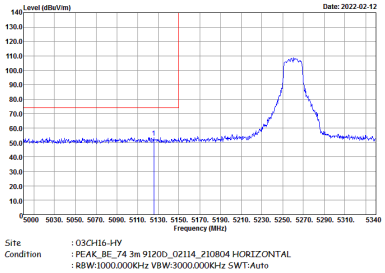
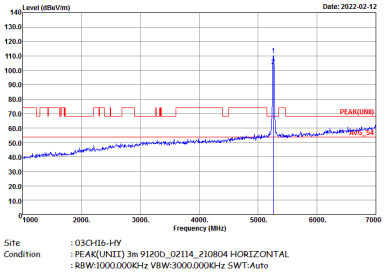
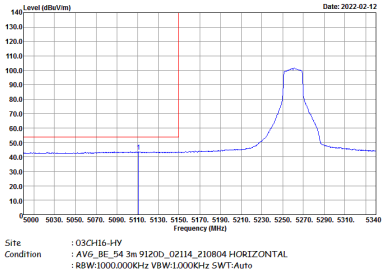
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

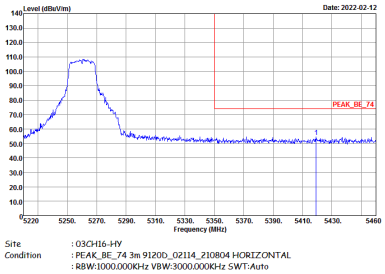
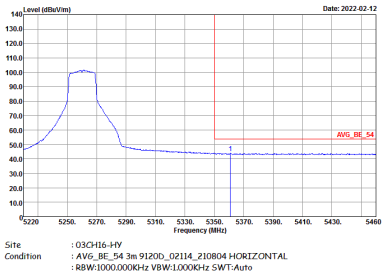
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

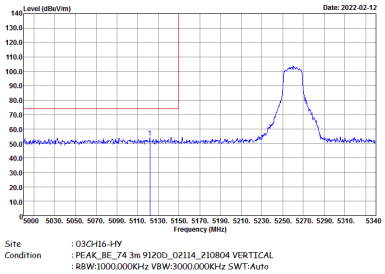
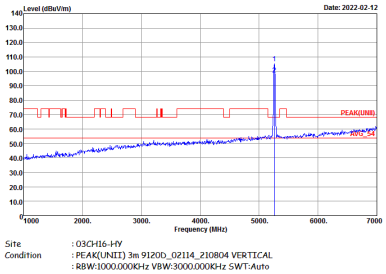
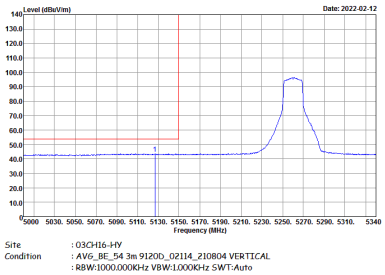
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

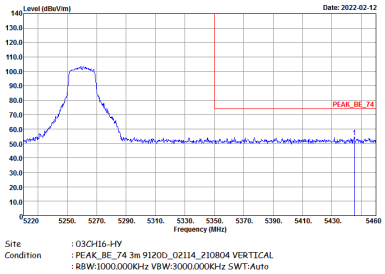
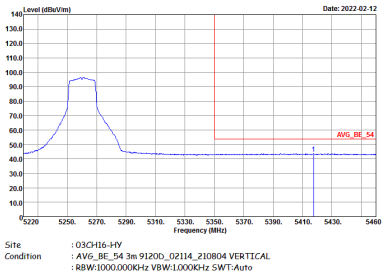
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

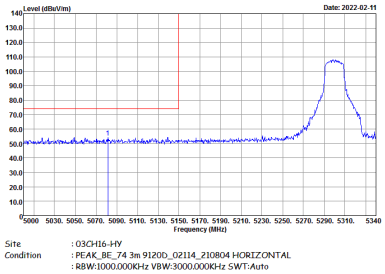
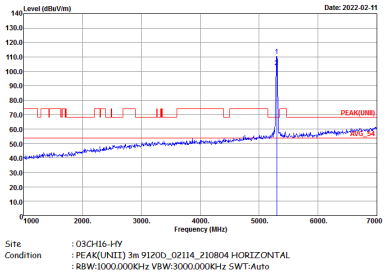
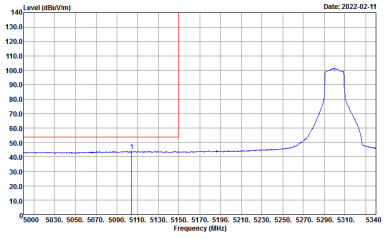
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

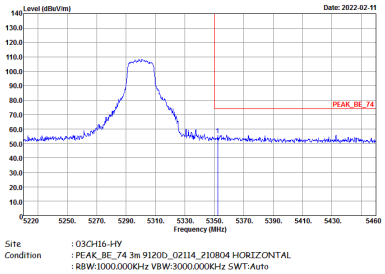
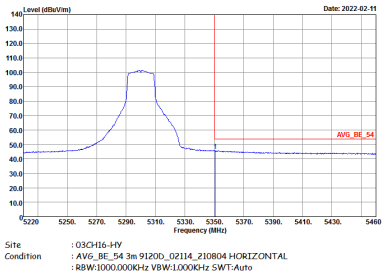
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

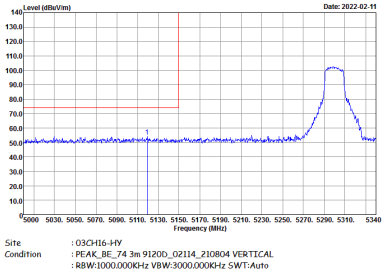
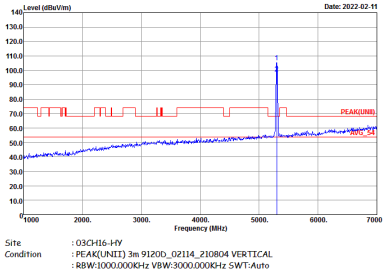
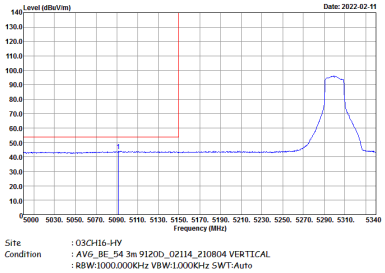
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

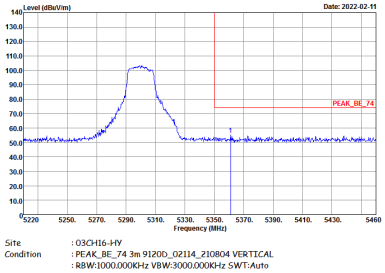
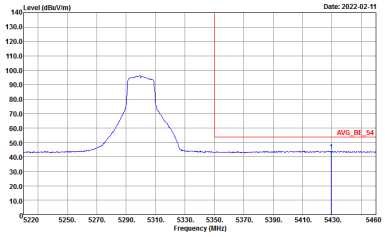
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

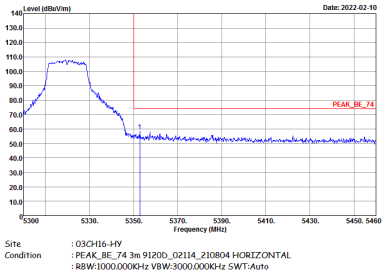
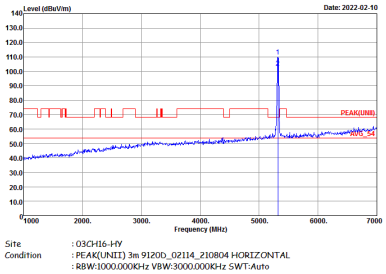
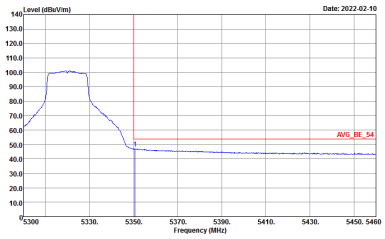
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

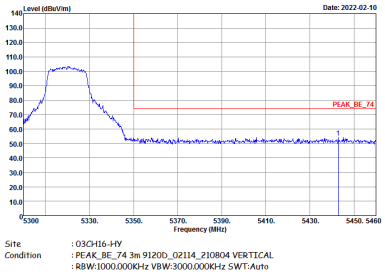
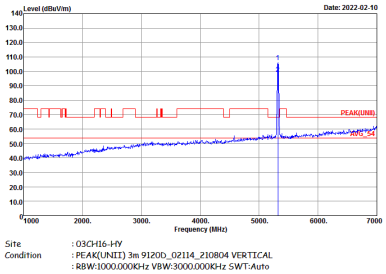
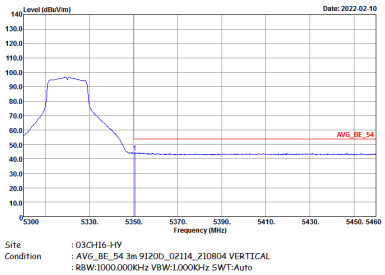
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

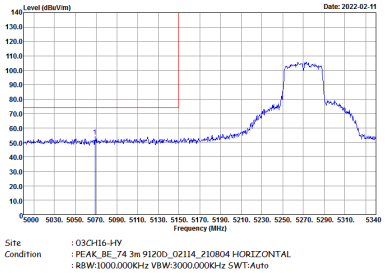
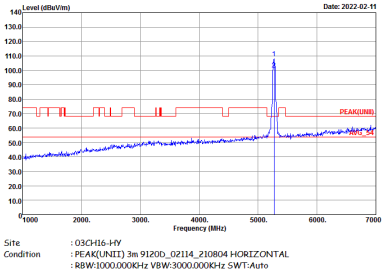
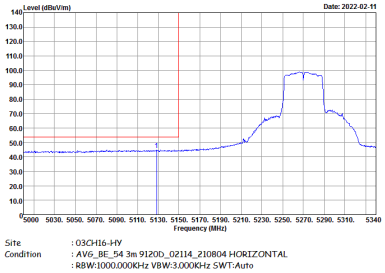
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

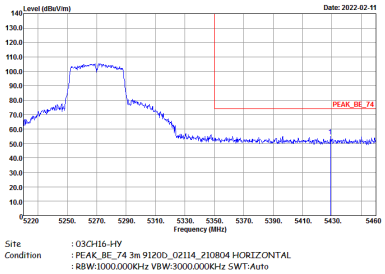
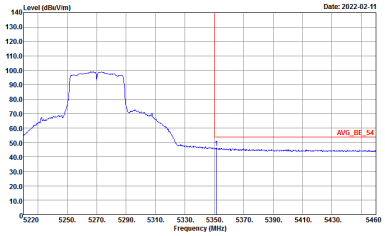
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_02114_210804 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_02114_210804 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

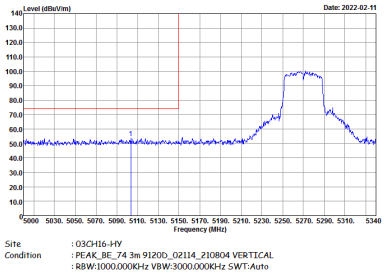
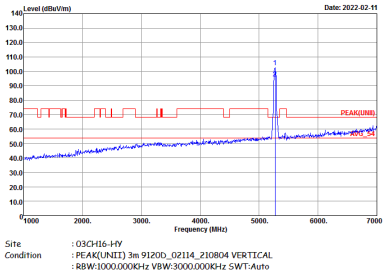
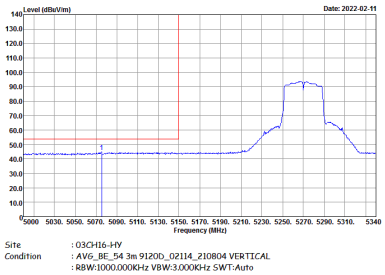
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HV Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

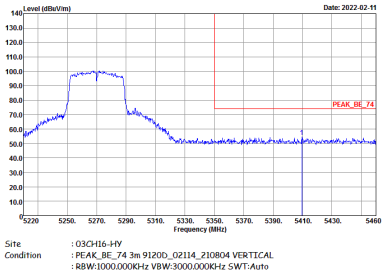
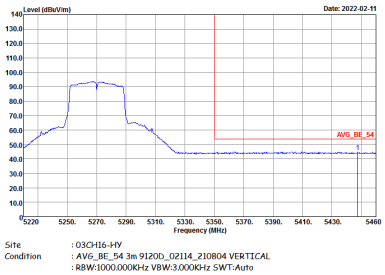
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

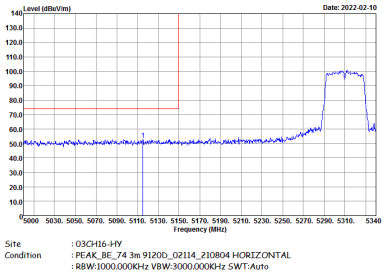
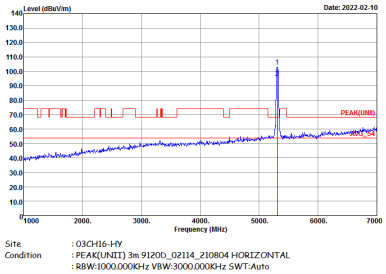
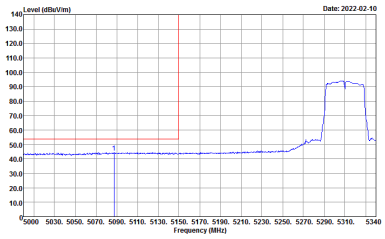
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

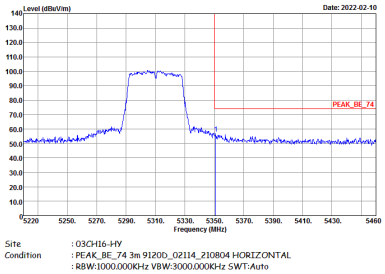
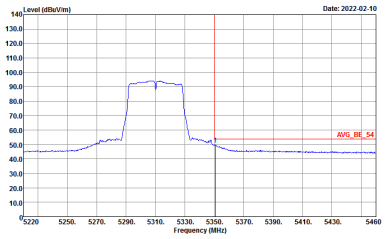
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

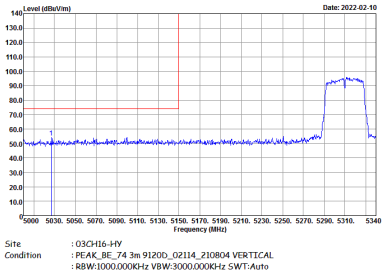
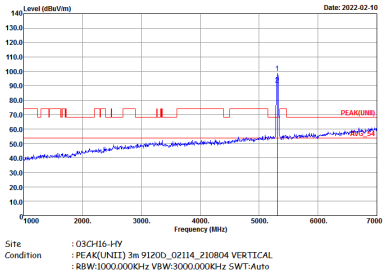
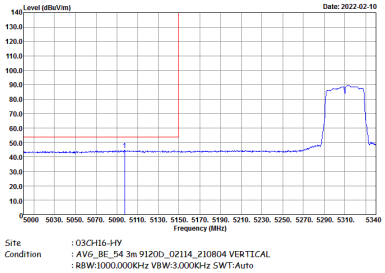
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

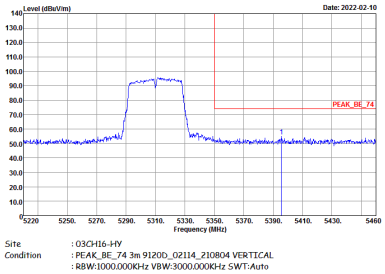
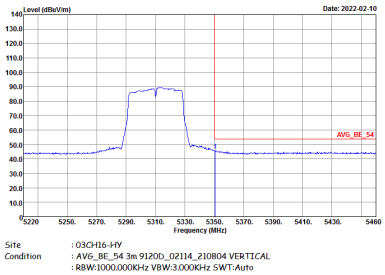
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
4	Vertical	Vertical
Peak		
Avg.		Left blank

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

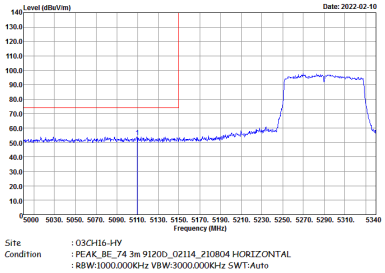
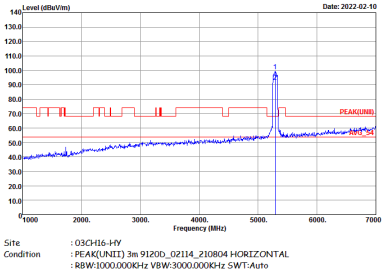
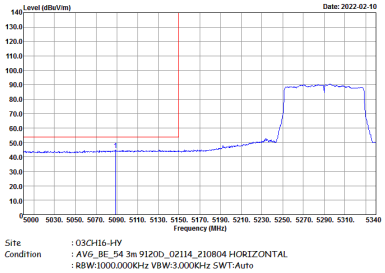
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH16-HY Condition : PEAK(UNII) 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH16-HY Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

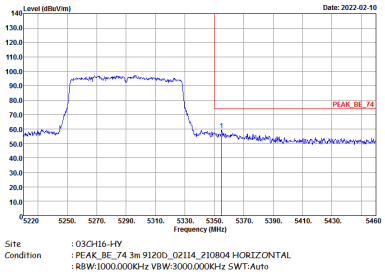
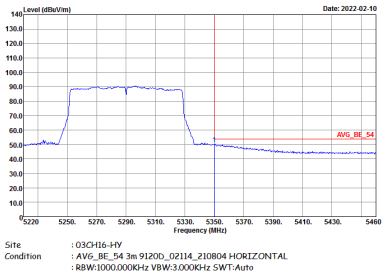
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE_74 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH16-HV Condition : AVG_BE_54 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

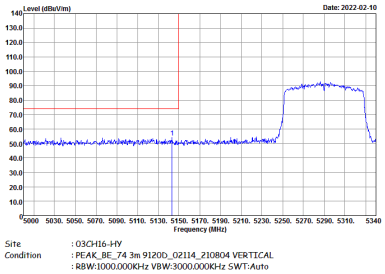
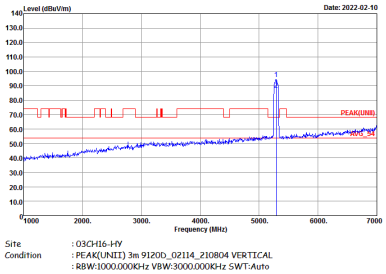
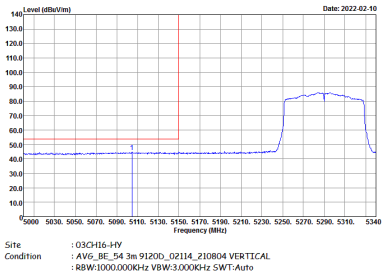
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

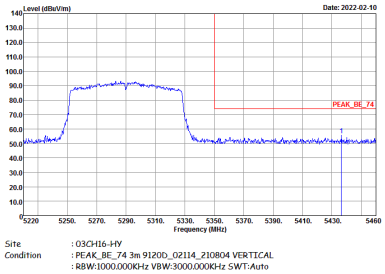
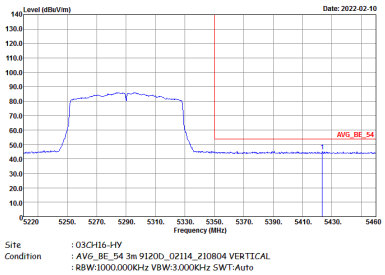
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

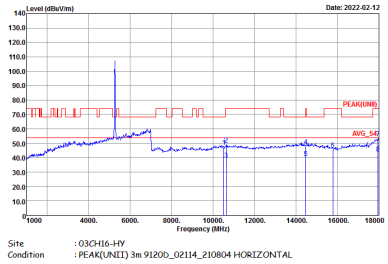
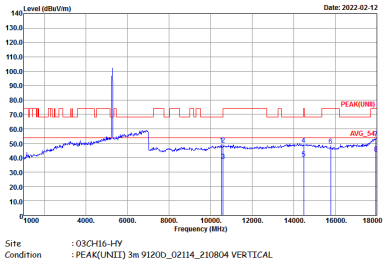
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

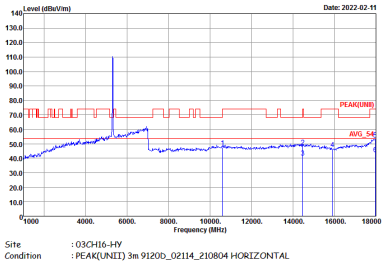
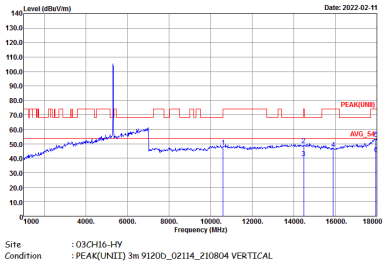
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

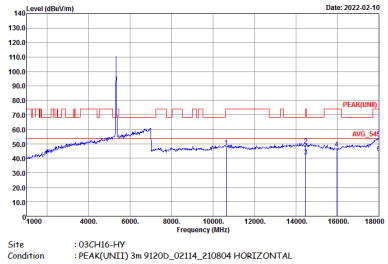
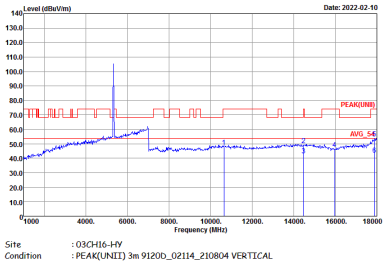
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

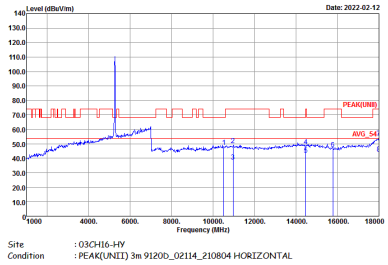
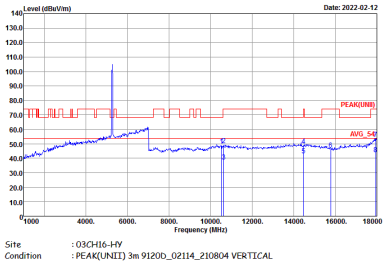
WIFI 802.11a (Harmonic @ 3m)

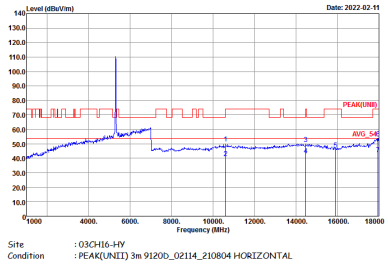
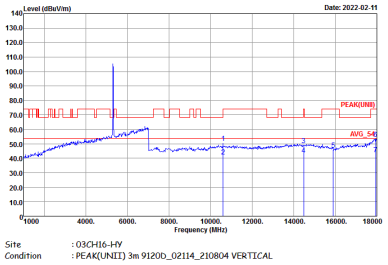
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4	Horizontal	Vertical
Peak Avg.		

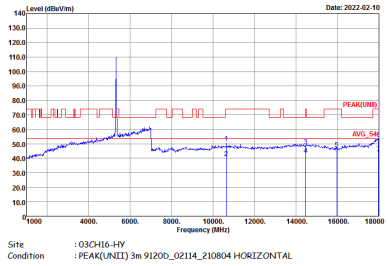
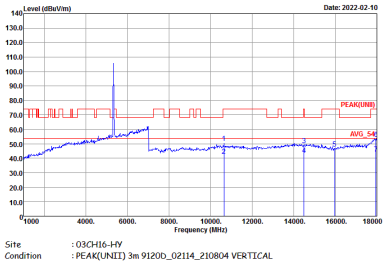
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4	Horizontal	Vertical
Peak Avg.		

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

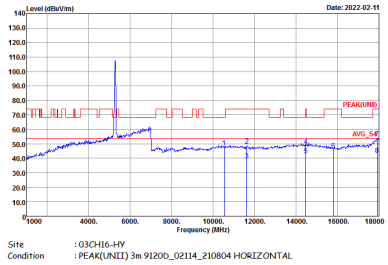
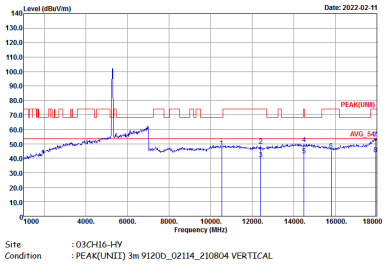
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

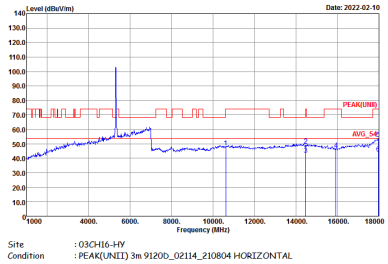
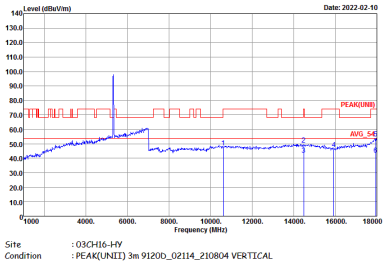
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
4	Horizontal	Vertical
Peak Avg.		

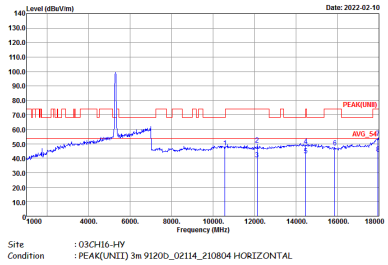
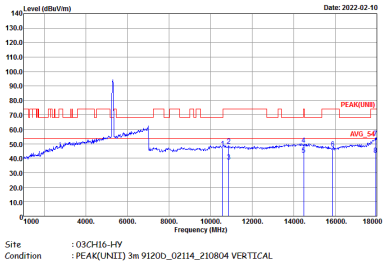
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Horizontal	Vertical
Peak Avg.		

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

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

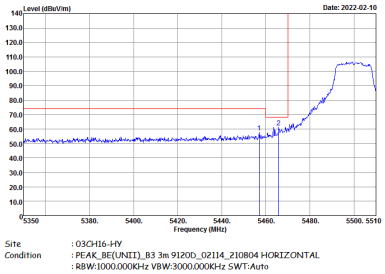
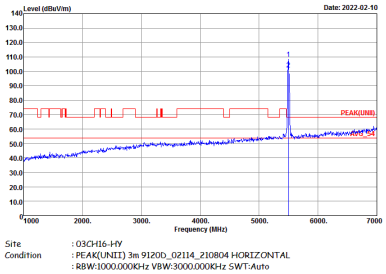
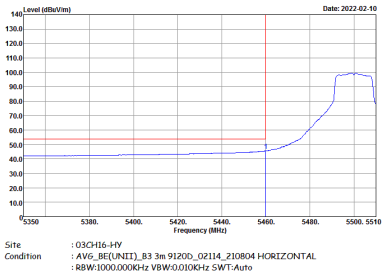
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
4	Horizontal	Vertical
Peak Avg.		

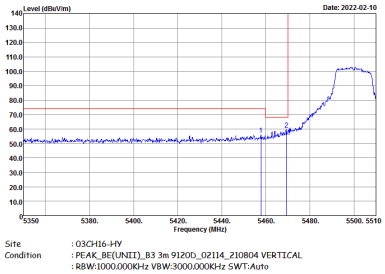
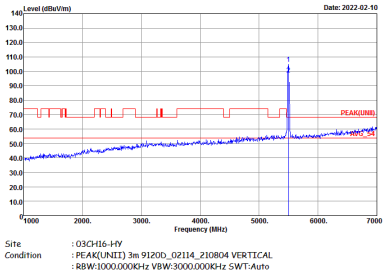
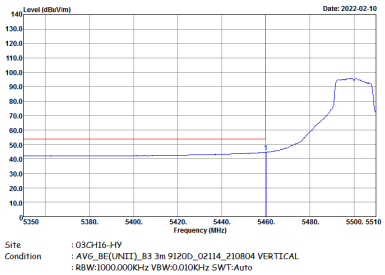
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

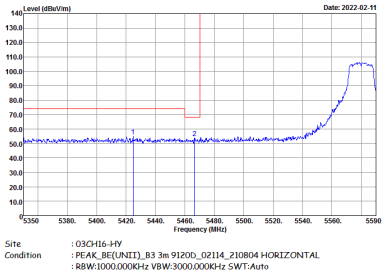
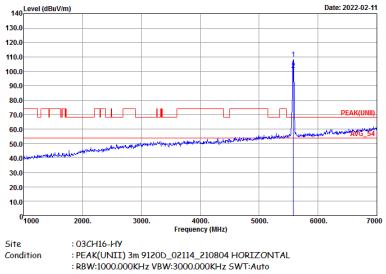
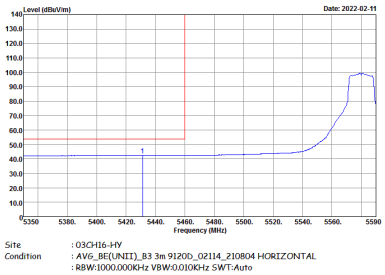
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
4	Horizontal	Vertical
Peak Avg.		

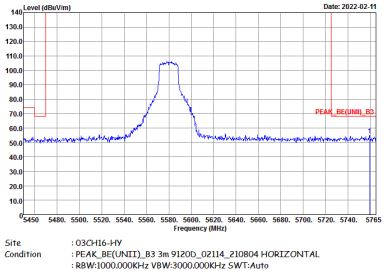
Band 3 - 5470~5725MHz

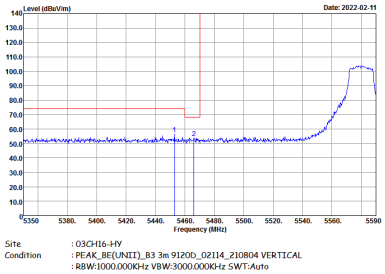
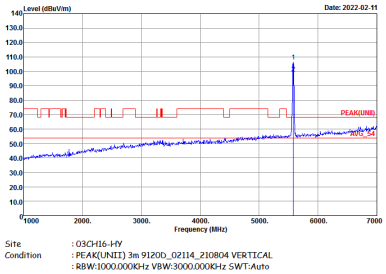
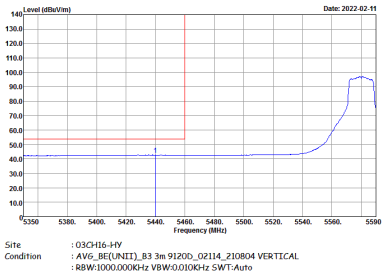
WIFI 802.11a (Band Edge @ 3m)

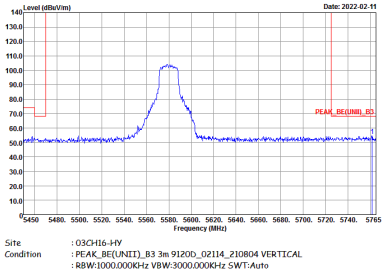
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

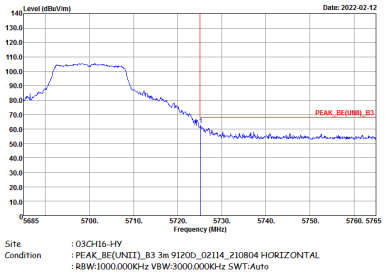
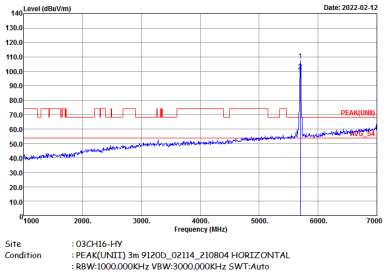
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

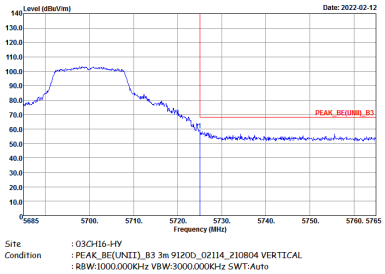
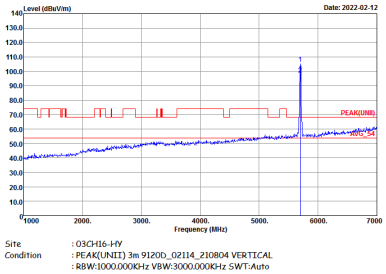
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

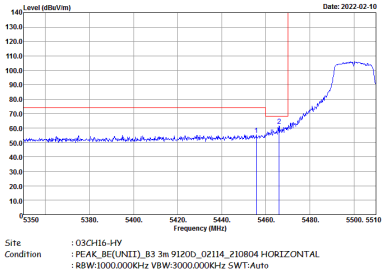
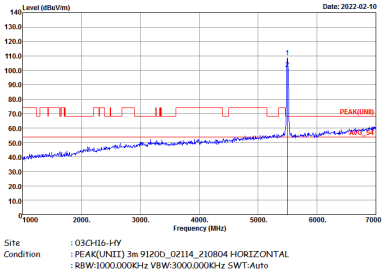
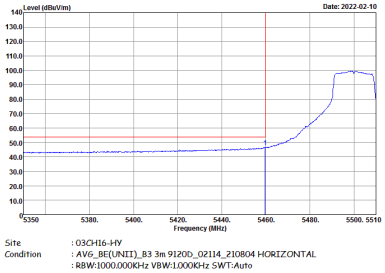
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

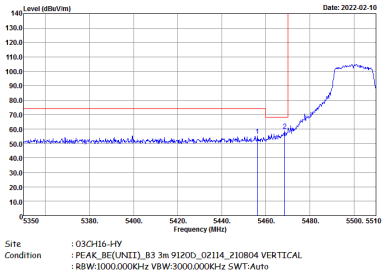
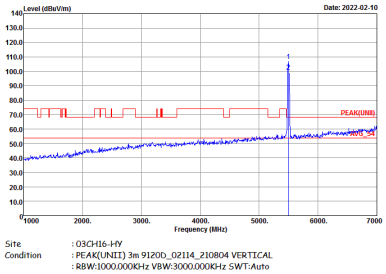
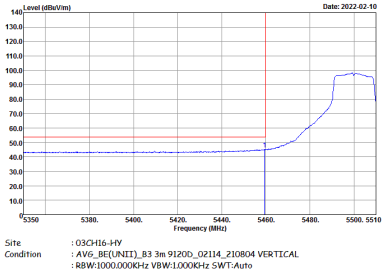
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4	Vertical	Fundamental
Peak		Left blank

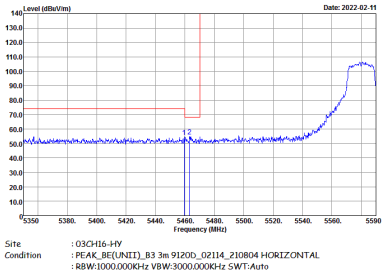
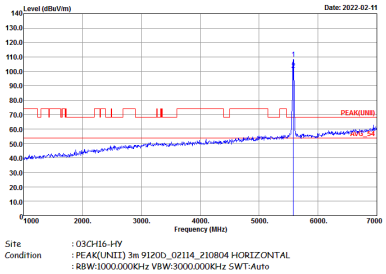
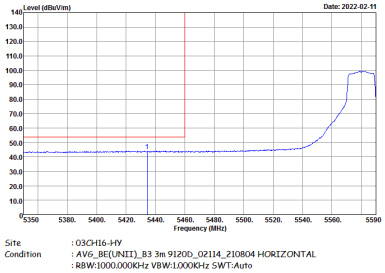
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4	Horizontal	Fundamental
Peak		

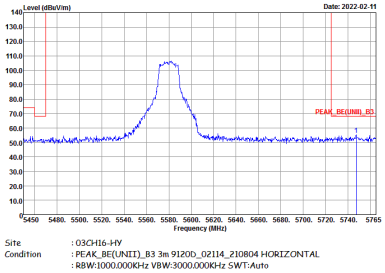
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4	Vertical	Fundamental
Peak		

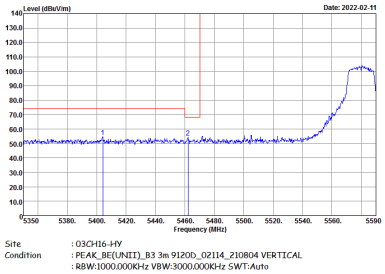
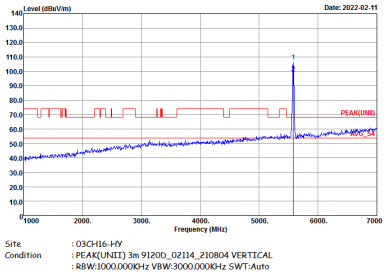
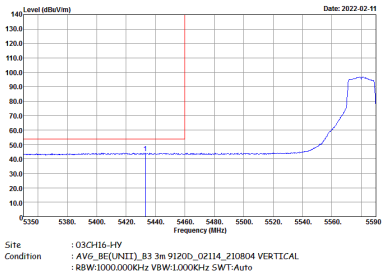
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

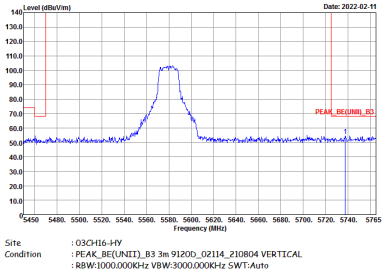
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

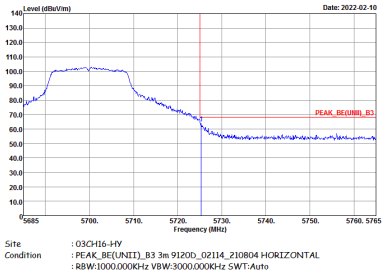
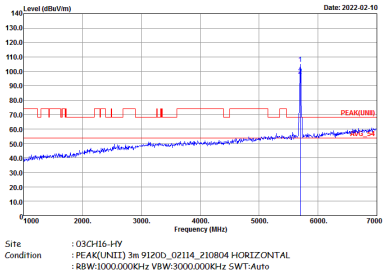
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

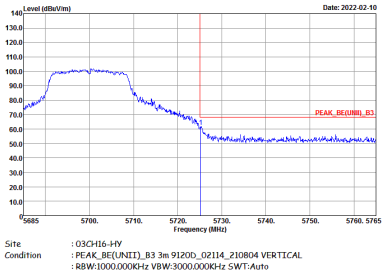
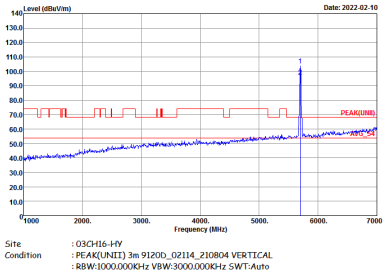
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4	Horizontal	Fundamental
Peak		Left blank

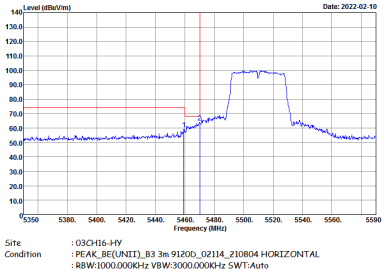
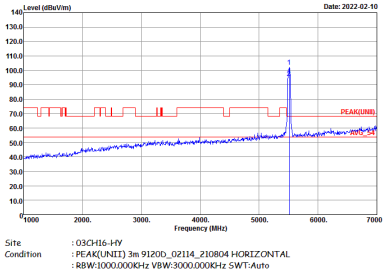
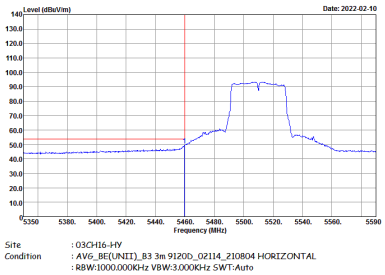
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

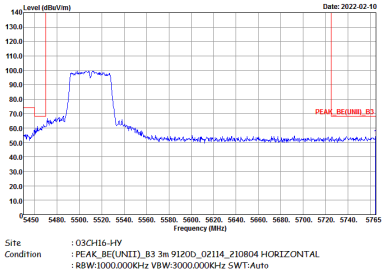
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4	Vertical	Fundamental
Peak		Left blank

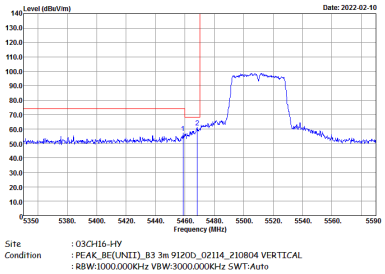
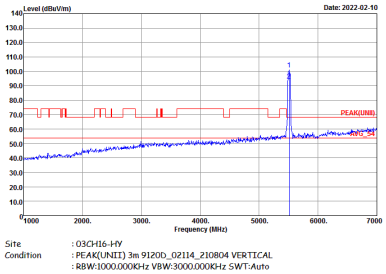
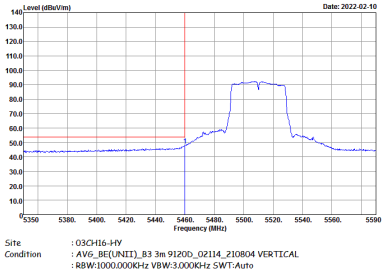
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4	Horizontal	Fundamental
Peak		

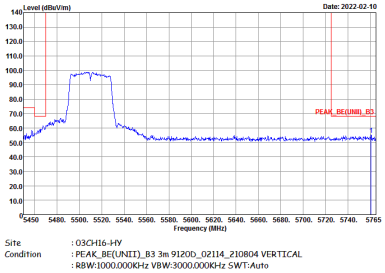
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4	Vertical	Fundamental
Peak.		

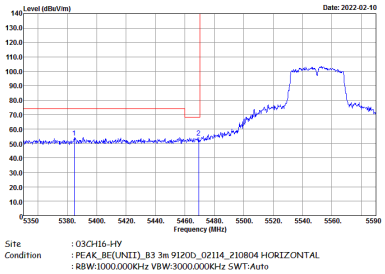
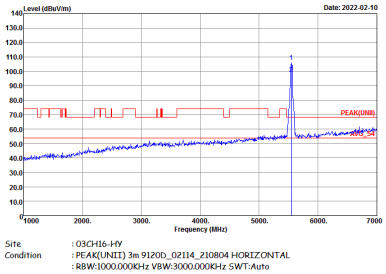
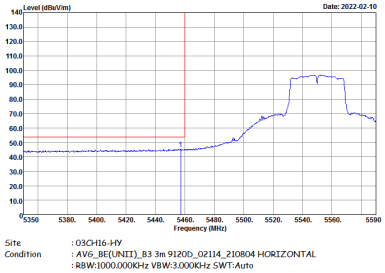
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

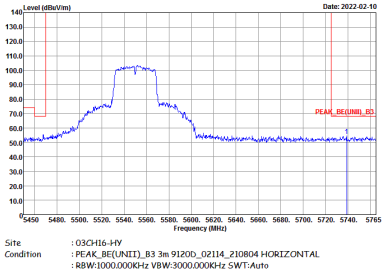
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

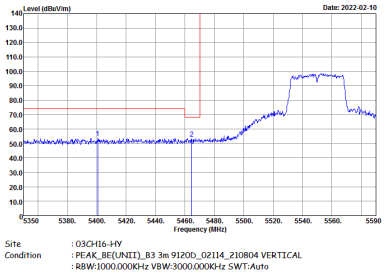
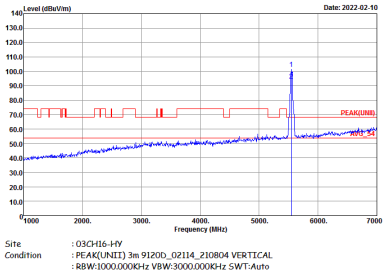
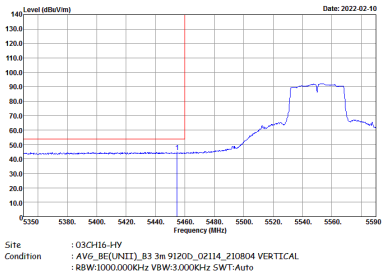
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH16-HV Condition : PEAK_BE(UNII)_B3 3m 9120D_02114_210804 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

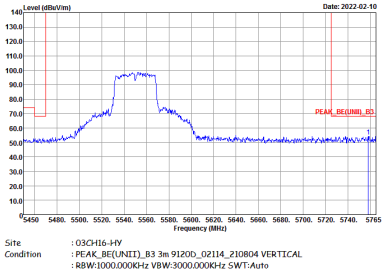
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

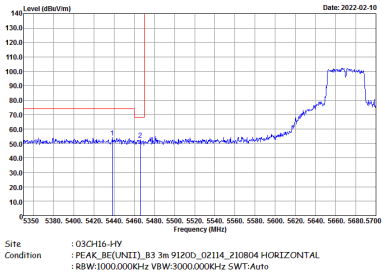
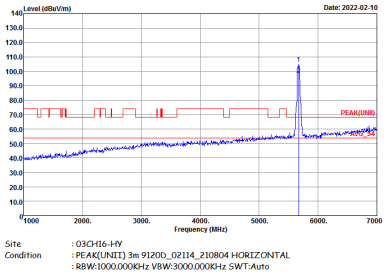
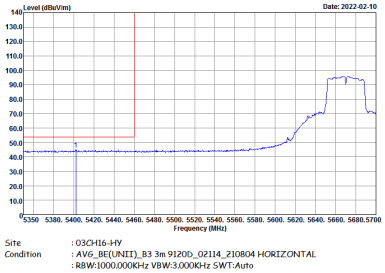
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4	Vertical	Fundamental
Peak		Left blank

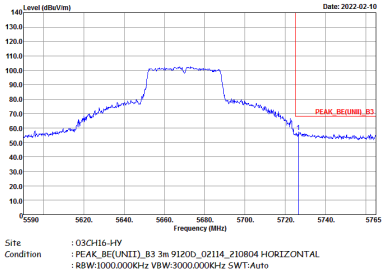
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

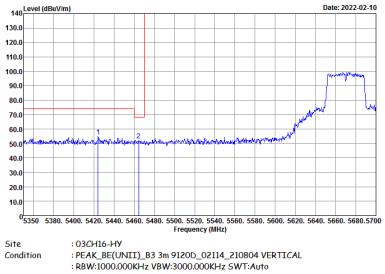
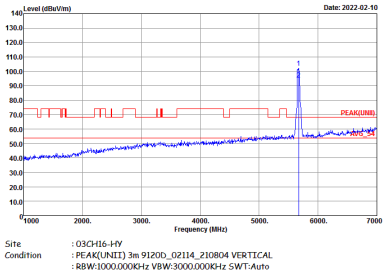
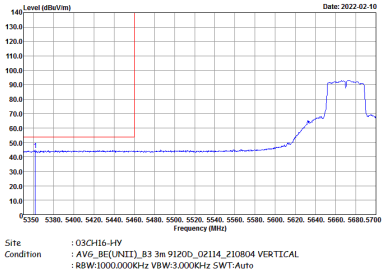
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
4	Horizontal	Fundamental
Peak		Left blank

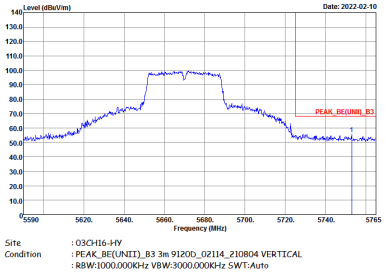
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

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

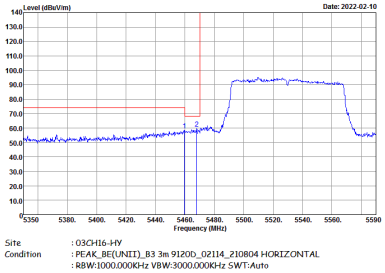
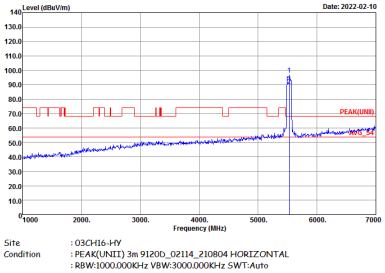
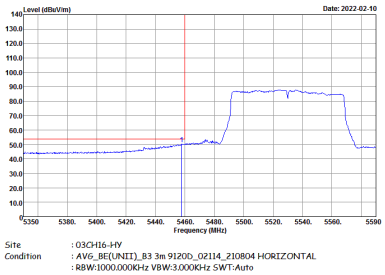
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

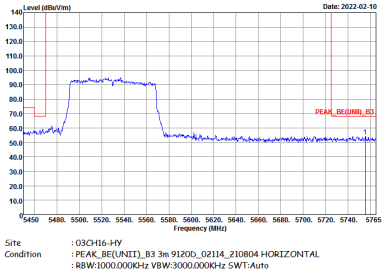
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
4	Horizontal	Fundamental
Peak		Left blank

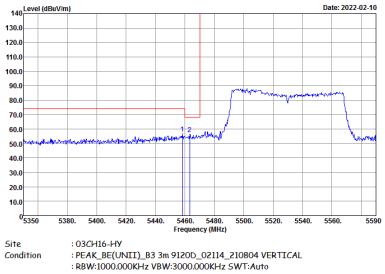
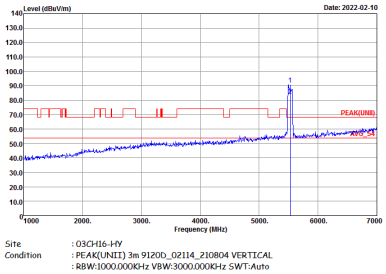
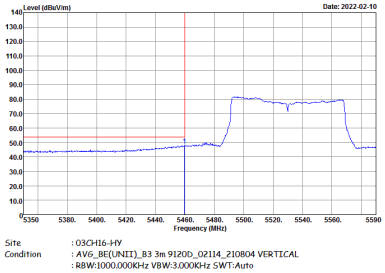
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

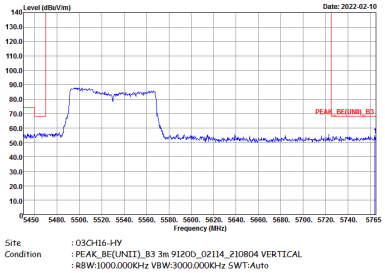
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
4	Vertical	Fundamental
Peak		Left blank

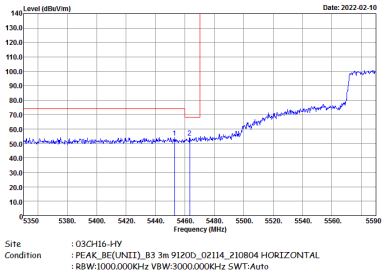
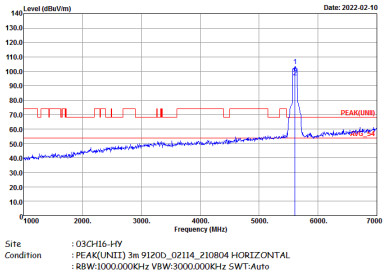
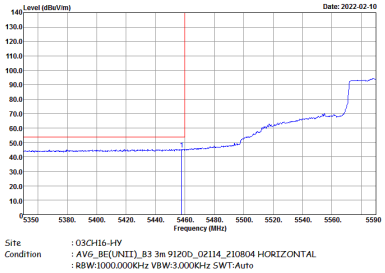
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

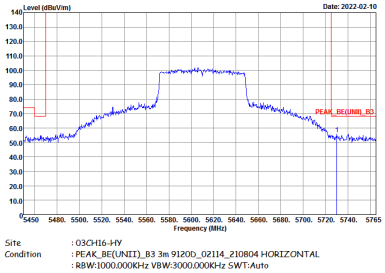
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
4	Horizontal	Fundamental
Peak		
Avg.		Left blank

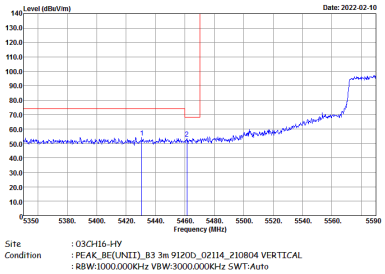
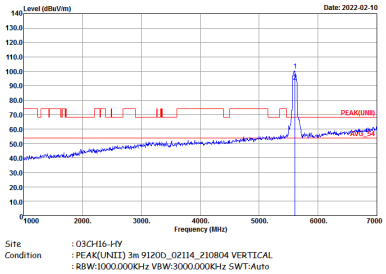
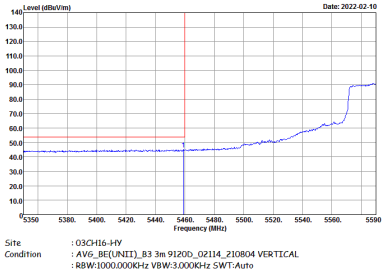
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
4	Horizontal	Fundamental
Peak		Left blank

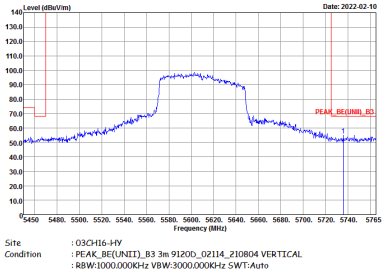
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

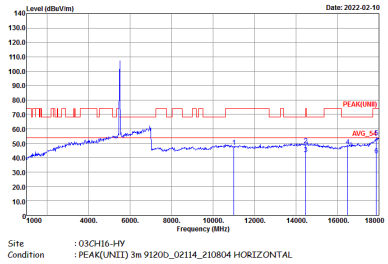
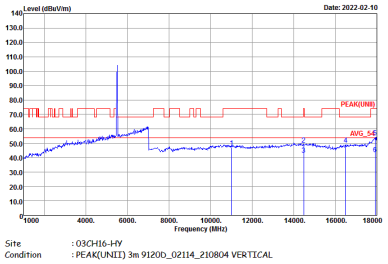
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
4	Horizontal	Fundamental
Peak		Left blank

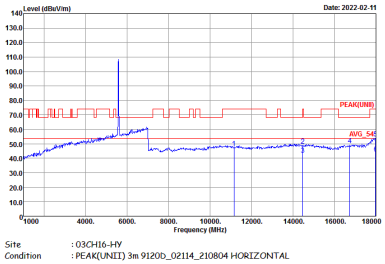
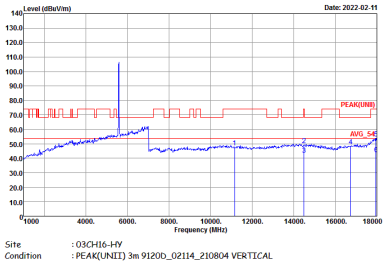
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
4	Vertical	Fundamental
Peak		
Avg.		Left blank

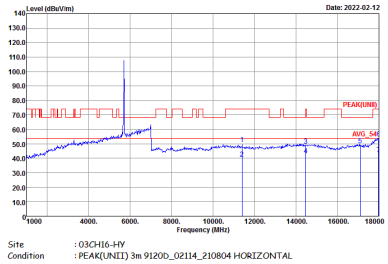
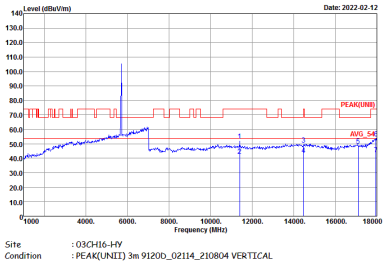
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
4	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

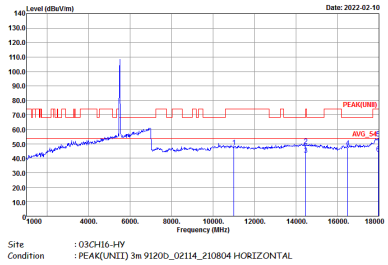
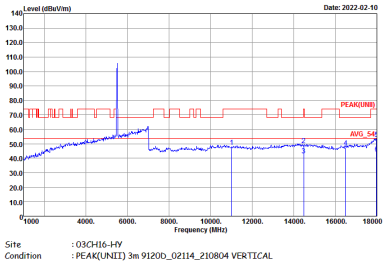
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
4	Horizontal	Vertical
Peak Avg.		

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

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

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
4	Horizontal	Vertical
Peak Avg.