FCC RADIO TEST REPORT

FCC ID	:	**2AFZZ116AG**
Equipment	:	**Mobile Phone**
Brand Name	:	**POCO**
Model Name	:	**21091116AG**
Applicant	:	**Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085**
Manufacturer	:	**Xiaomi Communications Co., Ltd. #019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Aug. 19, 2021 and testing was started from Aug. 23, 2021 and completed on Sep. 17, 2021. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issued Date
FR181632E	01	Initial issue of report	Sep. 24, 2021

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	Under limit 3.28 dB at 5150.000 MHz
3.5	15.207	AC Conducted Emission	Pass	Under limit 21.31 dB at 0.152 MHz
3.6	15.203 15.407(a)	Antenna Requirement	Pass	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Danny Lee

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Sample 1	6G+128GB with Battery 1
Sample 2	4G+64GB with Battery 2
Antenna Type	WWAN: PIFA Antenna WLAN: PIFA Antenna Bluetooth: PIFA Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: FPC Antenna FM: Using Earphone as Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	-2.7
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	-2.3
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	-2.3

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

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH13-HY, CO07-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications of 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 test items were verified and recorded according to the standards and without any deviation during the test.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

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

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

Note:

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

2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

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: GSM850 (Middle Channel) Idle + Bluetooth Link + WLAN (5GHz) Link + GNSS Rx + Earphone + USB Cable 1 (Data Link with Notebook) for Sample 1

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

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

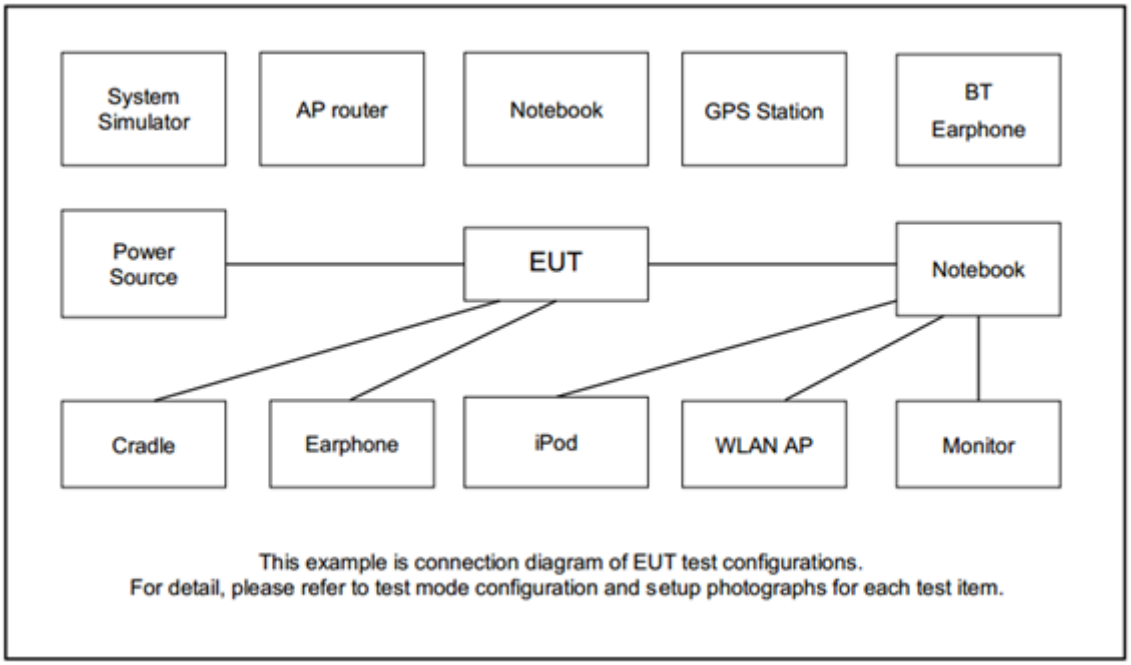
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	-	-	100
M	Middle	-	-	116
H	High	-	-	140
Straddle		-	-	-

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

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

Remark: For radiation spurious emission, the final modulation and the worst data rate was reference 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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
5.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
6.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
7.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
8.	Earphone	MI	EM023	N/A	Unshielded, 1.0m	N/A

2.5 EUT Operation Test Setup

The RF test items, make the EUT (SW: MIUI 12.5 Global 0.0.0) get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

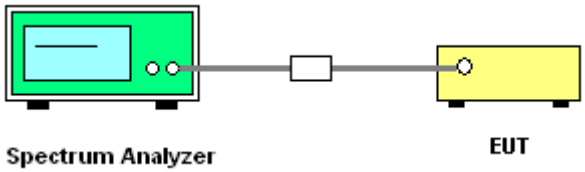
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

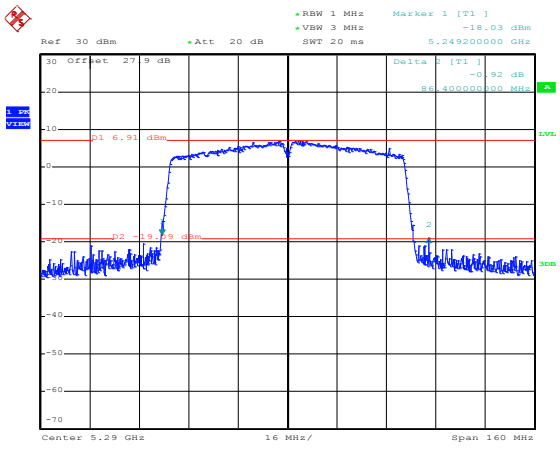
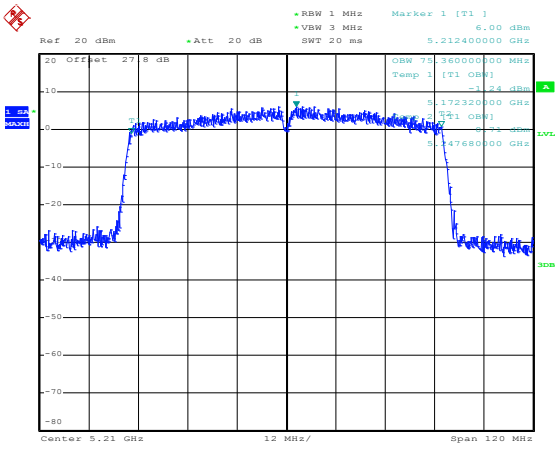
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB 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.

Maximum 26dB Bandwidth	Maximum 99% Occupied Bandwidth
	
Date: 1.SEP.2021 10:37:08	Date: 31.AUG.2021 18:01:34

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

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

3.2.3 Test Procedures

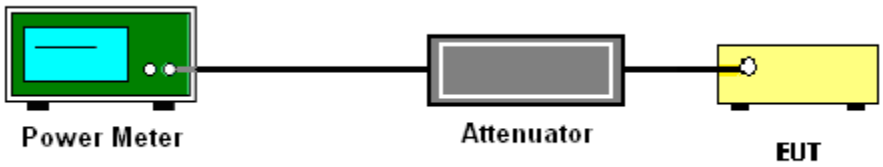
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

See list of measuring equipment of 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.

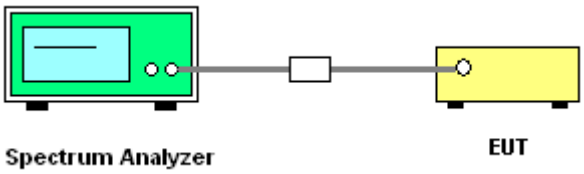
 # Method SA-3 #

(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 was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

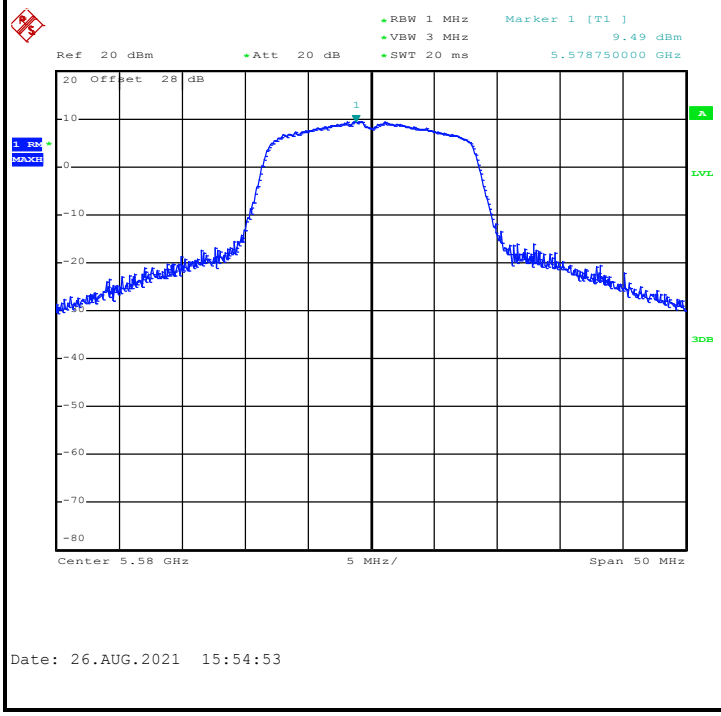
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/MHz)



3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

(2) Unwanted spurious emissions fallen 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

See list of measuring equipment of 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

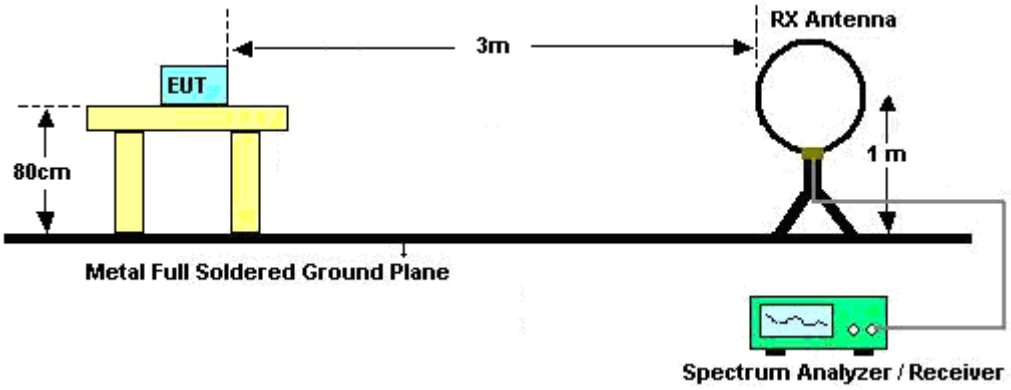
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was 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 was set 3 meters from the interference receiving antenna which was 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 was 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 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading. When there is no suspected emission found, or the peak measurement instead of QP measurement as alternative complies with the QP limit, the test position is marked as "-".
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0degree to 360 degree to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found or the peak emission level complies with the average limit and no further average measurement (*) is required, the test position is marked as "-".

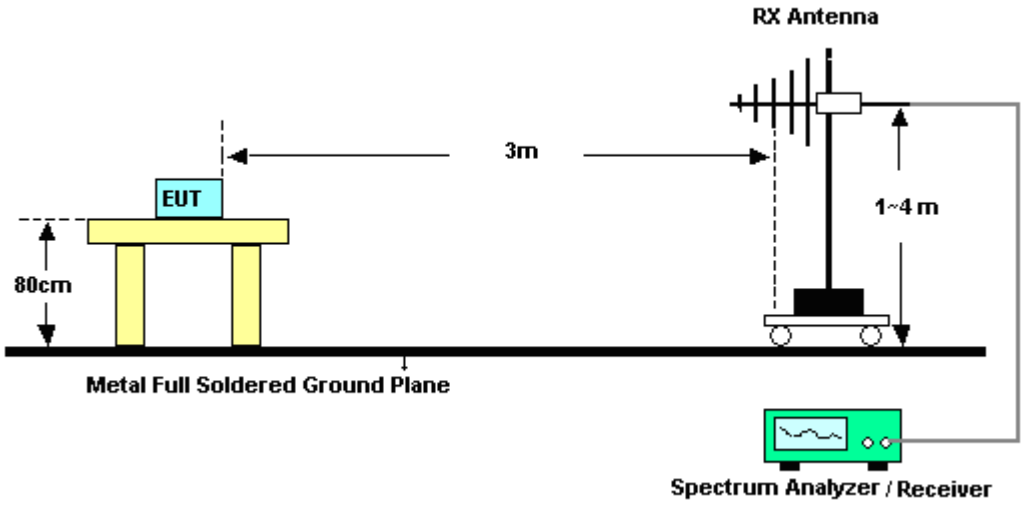
* The ANSI C63.10, Section 6.6.4.3, NOTE 1— where limits are specified by regulations for both average and peak detection, if the maximized peak measured value complies with the average limit, then it is unnecessary to perform an average measurement.

3.4.4 Test Setup

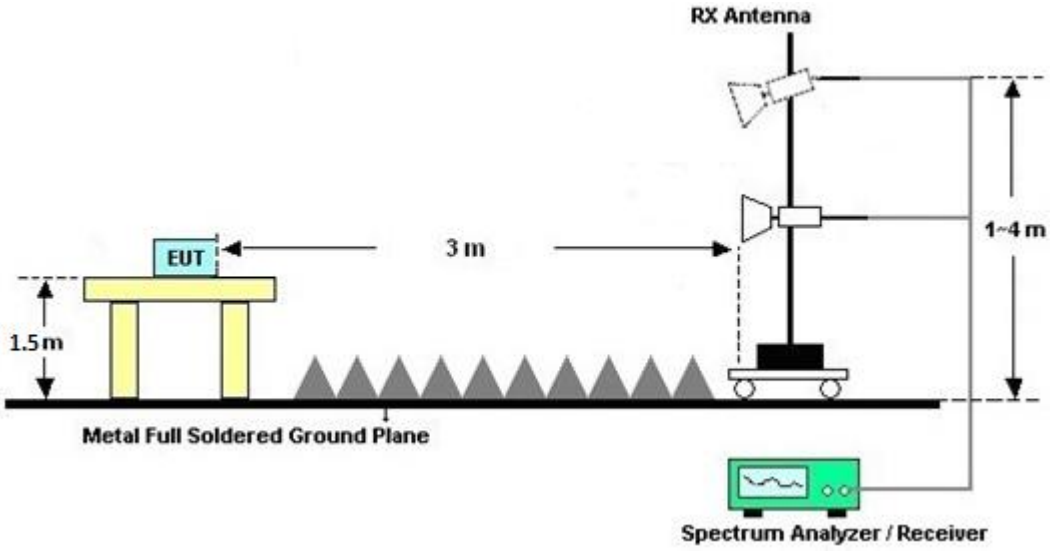
For radiated emissions below 30MHz



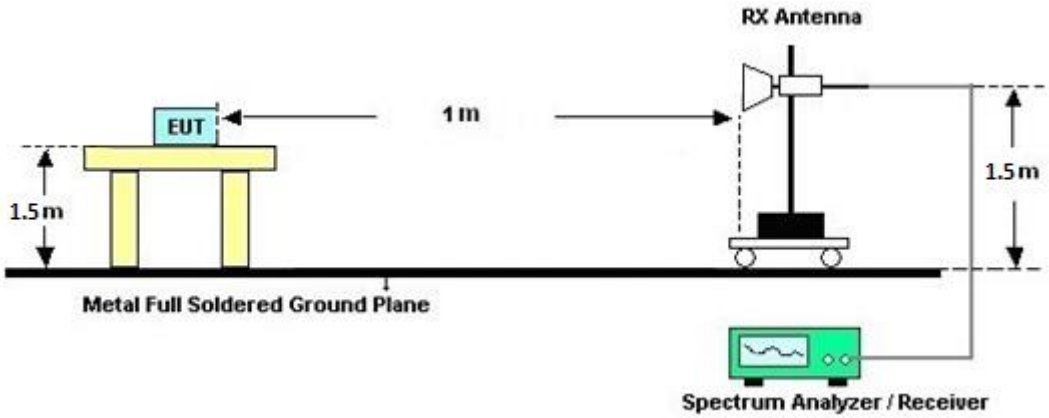
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was 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.

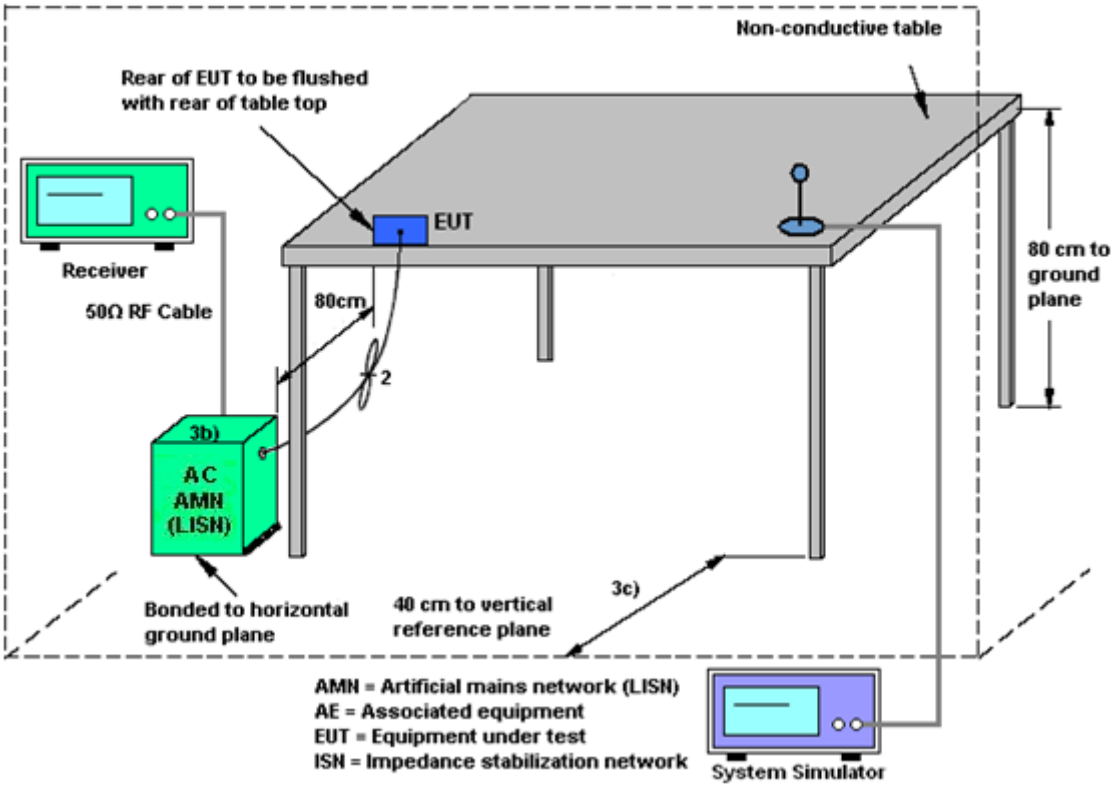
3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was 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 sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.6.3 Antenna Gain

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

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jan. 04, 2021	Aug. 23, 2021~ Aug. 27, 2021	Jan. 03, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Jul. 13, 2021	Aug. 23, 2021~ Aug. 27, 2021	Jul. 12, 2022	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02294	1GHz ~ 18GHz	Jun. 23, 2021	Aug. 23, 2021~ Aug. 27, 2021	Jun. 22, 2022	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Dec. 11, 2020	Aug. 23, 2021~ Aug. 27, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 16, 2020	Aug. 23, 2021~ Aug. 27, 2021	Dec. 15, 2021	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 18, 2021	Aug. 23, 2021~ Aug. 27, 2021	May 17, 2022	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Oct. 28, 2020	Aug. 23, 2021~ Aug. 27, 2021	Oct. 27, 2021	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz ~ 40GHz	Dec. 11, 2020	Aug. 23, 2021~ Aug. 27, 2021	Dec. 10, 2021	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Mar. 18, 2021	Aug. 23, 2021~ Aug. 27, 2021	Mar. 17, 2022	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Aug. 23, 2021~ Aug. 27, 2021	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Aug. 23, 2021~ Aug. 27, 2021	N/A	Radiation (03CH13-HY)
Software	Audix	E3 6.2009-8-24	RK-000992	N/A	N/A	Aug. 23, 2021~ Aug. 27, 2021	N/A	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30M-18G	Feb. 10, 2021	Aug. 23, 2021~ Aug. 27, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	804793/4	30M-18G	Feb. 10, 2021	Aug. 23, 2021~ Aug. 27, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30M~40GHz	Feb. 22, 2021	Aug. 23, 2021~ Aug. 27, 2021	Feb. 21, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY4274/2	30MHz~40GHz	Mar. 11, 2021	Aug. 23, 2021~ Aug. 27, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30M-18G	Feb. 10, 2021	Aug. 23, 2021~ Aug. 27, 2021	Feb. 09, 2022	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY9837/4PE	9kHz~30MHz	Mar. 11, 2021	Aug. 23, 2021~ Aug. 27, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 15, 2020	Aug. 23, 2021~ Aug. 27, 2021	Sep. 14, 2021	Radiation (03CH13-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN5	6.75GHz High Pass Filter	Mar. 11, 2021	Aug. 23, 2021~ Aug. 27, 2021	Mar. 10, 2022	Radiation (03CH13-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO12	10MHz~6GHz	Dec. 16, 2020	Aug. 25, 2021~ Sep. 17, 2021	Dec. 15, 2021	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jan. 21, 2021	Aug. 25, 2021~ Sep. 17, 2021	Jan. 20, 2022	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101565	10Hz ~ 40GHz	Nov. 13, 2020	Aug. 25, 2021~ Sep. 17, 2021	Nov. 12, 2021	Conducted (TH05-HY)
Switch Box & RF Cable	EM Electronics	EMSW18SE	SW200302	N/A	Mar. 17, 2021	Aug. 25, 2021~ Sep. 17, 2021	Mar. 16, 2022	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Sep. 07, 2021	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Sep. 07, 2021	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Nov. 02, 2020	Sep. 07, 2021	Nov. 01, 2021	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	N/A	Sep. 07, 2021	N/A	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Feb. 01, 2021	Sep. 07, 2021	Jan. 31, 2022	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 52	36122	N/A	Feb. 01, 2021	Sep. 07, 2021	Jan. 31, 2022	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 11, 2020	Sep. 07, 2021	Sep. 10, 2021	Conduction (CO07-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.3 dB**

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.9 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	23~25	°C
Test Date:	2021/8/25~2021/09/17	Relative Humidity:	53~55	%

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	16.80	-	26.85	-	-		22.25	-		
11a	6Mbps	1	44	5220	16.85	-	28.35	-	-		22.27	-		
11a	6Mbps	1	48	5240	16.85	-	26.90	-	-		22.27	-		
HT20	MCS0	1	36	5180	17.80	-	22.20	-	-		22.50	-		
HT20	MCS0	1	44	5220	17.80	-	24.30	-	-		22.50	-		
HT20	MCS0	1	48	5240	17.75	-	23.45	-	-		22.49	-		
HT40	MCS0	1	38	5190	36.30	-	40.32	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.30	-	40.41	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.36	-	81.28	-	-		23.01	-		

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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	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.00	-	24.00	-	-2.70	-		Pass
11a	6Mbps	1	44	5220	15.20	-	24.00	-	-2.70	-		Pass
11a	6Mbps	1	48	5240	15.40	-	24.00	-	-2.70	-		Pass
HT20	MCS0	1	36	5180	14.90	-	24.00	-	-2.70	-		Pass
HT20	MCS0	1	44	5220	15.10	-	24.00	-	-2.70	-		Pass
HT20	MCS0	1	48	5240	15.00	-	24.00	-	-2.70	-		Pass
HT40	MCS0	1	38	5190	14.80	-	24.00	-	-2.70	-		Pass
HT40	MCS0	1	46	5230	15.00	-	24.00	-	-2.70	-		Pass
VHT20	MCS0	1	36	5180	14.80	-	24.00	-	-2.70	-		Pass
VHT20	MCS0	1	44	5220	15.00	-	24.00	-	-2.70	-		Pass
VHT20	MCS0	1	48	5240	14.90	-	24.00	-	-2.70	-		Pass
VHT40	MCS0	1	38	5190	14.70	-	24.00	-	-2.70	-		Pass
VHT40	MCS0	1	46	5230	14.90	-	24.00	-	-2.70	-		Pass
VHT80	MCS0	1	42	5210	14.10	-	24.00	-	-2.70	-		Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	5.16	-	11.00	-	-2.70	-		Pass
11a	6Mbps	1	44	5220	4.86	-	11.00	-	-2.70	-		Pass
11a	6Mbps	1	48	5240	5.00	-	11.00	-	-2.70	-		Pass
HT20	MCS0	1	36	5180	4.15	-	11.00	-	-2.70	-		Pass
HT20	MCS0	1	44	5220	4.89	-	11.00	-	-2.70	-		Pass
HT20	MCS0	1	48	5240	4.81	-	11.00	-	-2.70	-		Pass
HT40	MCS0	1	38	5190	1.76	-	11.00	-	-2.70	-		Pass
HT40	MCS0	1	46	5230	2.00	-	11.00	-	-2.70	-		Pass
VHT80	MCS0	1	42	5210	-0.99	-	11.00	-	-2.70	-		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	16.75	-	25.85	-	23.24	-	29.24	-	23.98	-	
11a	6Mbps	1	60	5300	16.80	-	26.70	-	23.25	-	29.25	-	23.98	-	
11a	6Mbps	1	64	5320	16.85	-	28.75	-	23.27	-	29.27	-	23.98	-	
HT20	MCS0	1	52	5260	17.75	-	23.25	-	23.49	-	29.49	-	23.98	-	
HT20	MCS0	1	60	5300	17.80	-	23.40	-	23.50	-	29.50	-	23.98	-	
HT20	MCS0	1	64	5320	17.75	-	27.15	-	23.49	-	29.49	-	23.98	-	
HT40	MCS0	1	54	5270	36.30	-	41.13	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.20	-	40.05	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.36	-	86.40	-	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	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	18.00	-	23.98	-	-2.30	-	26.99	Pass
11a	6Mbps	1	60	5300	18.10	-	23.98	-	-2.30	-	26.99	Pass
11a	6Mbps	1	64	5320	18.20	-	23.98	-	-2.30	-	26.99	Pass
HT20	MCS0	1	52	5260	16.50	-	23.98	-	-2.30	-	26.99	Pass
HT20	MCS0	1	60	5300	16.70	-	23.98	-	-2.30	-	26.99	Pass
HT20	MCS0	1	64	5320	16.70	-	23.98	-	-2.30	-	26.99	Pass
HT40	MCS0	1	54	5270	16.40	-	23.98	-	-2.30	-	26.99	Pass
HT40	MCS0	1	62	5310	16.40	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	52	5260	16.30	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	60	5300	16.30	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	64	5320	16.50	-	23.98	-	-2.30	-	26.99	Pass
VHT40	MCS0	1	54	5270	16.30	-	23.98	-	-2.30	-	26.99	Pass
VHT40	MCS0	1	62	5310	16.30	-	23.98	-	-2.30	-	26.99	Pass
VHT80	MCS0	1	58	5290	14.50	-	23.98	-	-2.30	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

Band II single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	8.92	-	11.00	-	-2.30	-		Pass
11a	6Mbps	1	60	5300	9.02	-	11.00	-	-2.30	-		Pass
11a	6Mbps	1	64	5320	9.08	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	52	5260	7.71	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	60	5300	7.83	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	64	5320	7.76	-	11.00	-	-2.30	-		Pass
HT40	MCS0	1	54	5270	4.00	-	11.00	-	-2.30	-		Pass
HT40	MCS0	1	62	5310	4.50	-	11.00	-	-2.30	-		Pass
VHT80	MCS0	1	58	5290	-0.66	-	11.00	-	-2.30	-		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	16.80	-	27.05	-	23.25	-	29.25	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.90	-	27.60	-	23.28	-	29.28	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.65	-	20.45	-	23.21	-	29.21	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.80	-	24.75	-	23.50	-	29.50	-	23.98	-	----	----
HT20	MCS0	1	116	5580	17.75	-	24.30	-	23.49	-	29.49	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.75	-	21.60	-	23.49	-	29.49	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.40	-	40.14	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.30	-	39.96	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.40	-	40.23	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.36	-	81.28	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.36	-	81.44	-	23.98	-	30.00	-	23.98	-	----	----

Band III straddle channel single antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		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	144	5720	13.45	-	18.50	-	22.29	-	28.29	-	23.67	-	3.15	-
HT20	MCS0	1	144	5720	13.90	-	19.15	-	22.43	-	28.43	-	23.82	-	3.6	-
HT40	MCS0	1	142	5710	33.20	-	35.16	-	23.98	-	30.00	-	23.98	-	3.18	-
VHT80	MCS0	1	138	5690	72.80	-	86.36	-	23.98	-	30.00	-	23.98	-	2.92	-

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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	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	18.00	-	23.98	-	-2.30	-	26.99	Pass
11a	6Mbps	1	116	5580	18.10	-	23.98	-	-2.30	-	26.99	Pass
11a	6Mbps	1	140	5700	15.40	-	23.98	-	-2.30	-	26.99	Pass
HT20	MCS0	1	100	5500	16.50	-	23.98	-	-2.30	-	26.99	Pass
HT20	MCS0	1	116	5580	16.60	-	23.98	-	-2.30	-	26.99	Pass
HT20	MCS0	1	140	5700	15.60	-	23.98	-	-2.30	-	26.99	Pass
HT40	MCS0	1	102	5510	16.30	-	23.98	-	-2.30	-	26.99	Pass
HT40	MCS0	1	110	5550	16.50	-	23.98	-	-2.30	-	26.99	Pass
HT40	MCS0	1	134	5670	16.20	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	100	5500	16.30	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	116	5580	16.30	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	140	5700	15.50	-	23.98	-	-2.30	-	26.99	Pass
VHT40	MCS0	1	102	5510	16.20	-	23.98	-	-2.30	-	26.99	Pass
VHT40	MCS0	1	110	5550	16.40	-	23.98	-	-2.30	-	26.99	Pass
VHT40	MCS0	1	134	5670	16.10	-	23.98	-	-2.30	-	26.99	Pass
VHT80	MCS0	1	106	5530	15.00	-	23.98	-	-2.30	-	26.99	Pass
VHT80	MCS0	1	122	5610	16.00	-	23.98	-	-2.30	-	26.99	Pass

FCC Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)		FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	18.00	-	23.67	-	-2.30	-	26.99	Pass
HT20	MCS0	1	144	5720	16.60	-	23.82	-	-2.30	-	26.99	Pass
HT40	MCS0	1	142	5710	16.50	-	23.98	-	-2.30	-	26.99	Pass
VHT20	MCS0	1	144	5720	16.40	-	23.82	-	-2.30	-	26.99	Pass
VHT40	MCS0	1	142	5710	16.40	-	23.98	-	-2.30	-	26.99	Pass
VHT80	MCS0	1	138	5690	16.10	-	23.98	-	-2.30	-	26.99	Pass

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TEST RESULTS DATA
Power Spectral Density

Band III single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	9.26	-	11.00	-	-2.30	-		Pass
11a	6Mbps	1	116	5580	9.49	-	11.00	-	-2.30	-		Pass
11a	6Mbps	1	140	5700	6.72	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	100	5500	8.18	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	116	5580	8.48	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	140	5700	6.41	-	11.00	-	-2.30	-		Pass
HT40	MCS0	1	102	5510	4.53	-	11.00	-	-2.30	-		Pass
HT40	MCS0	1	110	5550	5.20	-	11.00	-	-2.30	-		Pass
HT40	MCS0	1	134	5670	4.37	-	11.00	-	-2.30	-		Pass
VHT80	MCS0	1	106	5530	0.09	-	11.00	-	-2.30	-		Pass
VHT80	MCS0	1	122	5610	1.20	-	11.00	-	-2.30	-		Pass

Band III straddle channel single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)		Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	144	5720	9.34	-	11.00	-	-2.30	-		Pass
HT20	MCS0	1	144	5720	8.13	-	11.00	-	-2.30	-		Pass
HT40	MCS0	1	142	5710	4.77	-	11.00	-	-2.30	-		Pass
VHT80	MCS0	1	138	5690	1.47	-	11.00	-	-2.30	-		Pass

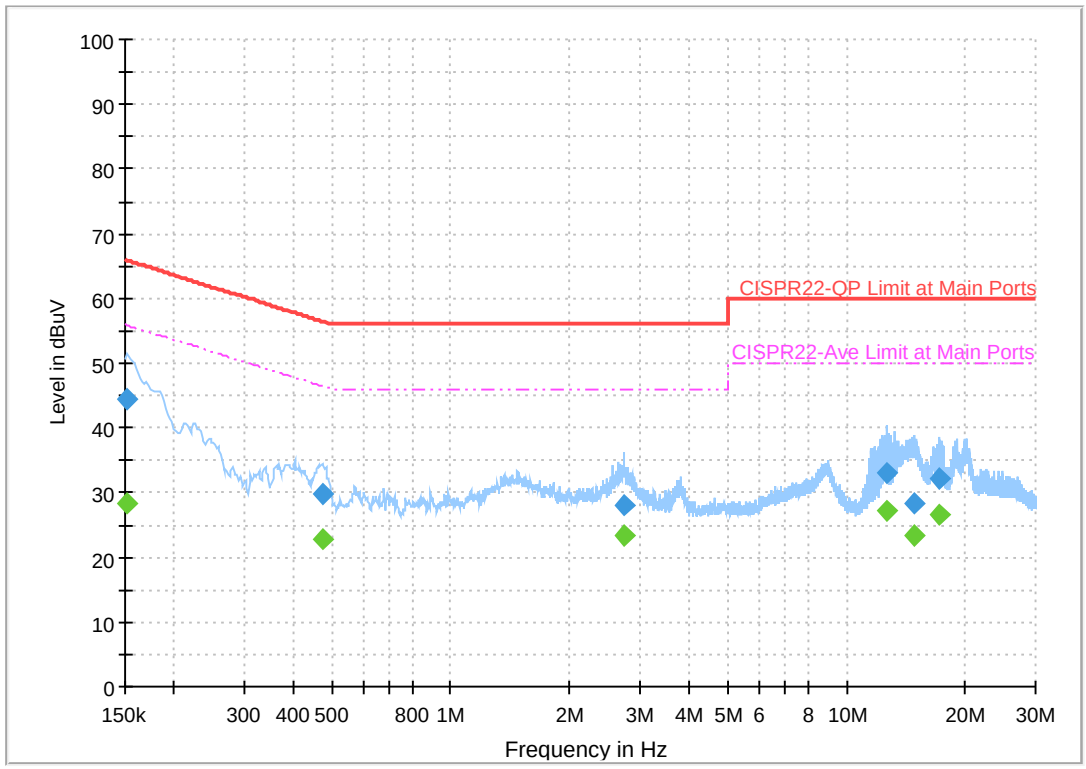
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Tom Lee	**Temperature :**	23~26℃
		Relative Humidity :	40~50%

EUT Information

Report NO :	181632
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Line

Full Spectrum



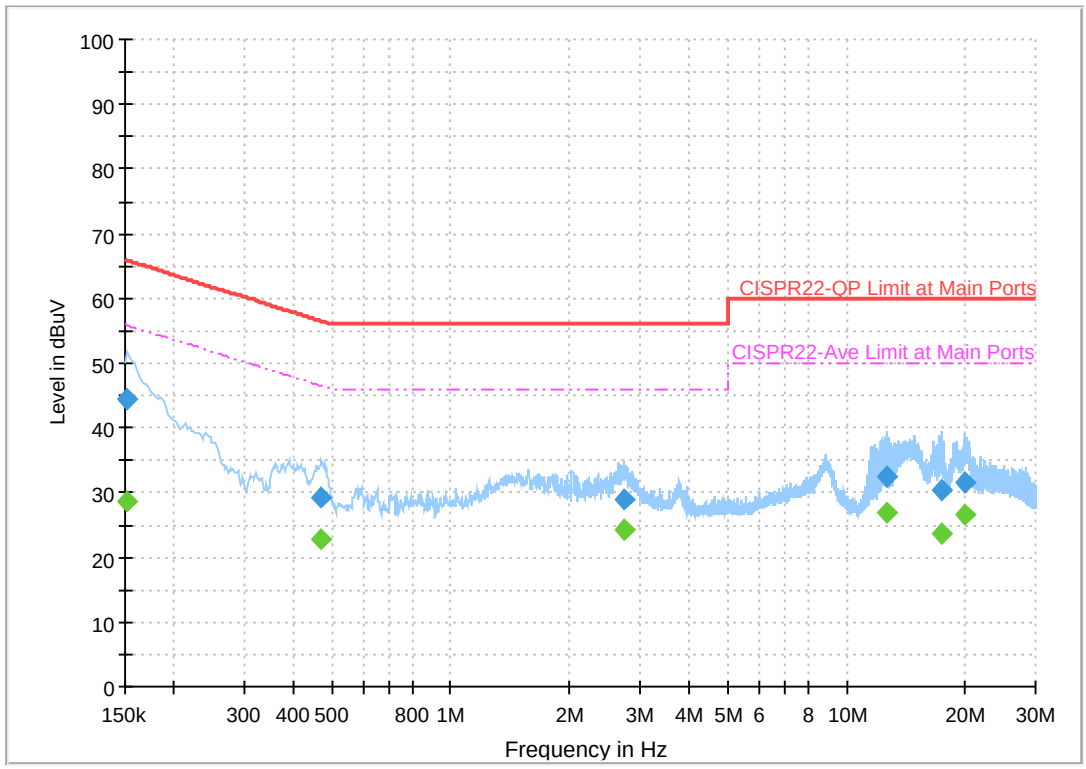
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.48	55.88	27.39	L1	OFF	20.0
0.152250	44.45	---	65.88	21.42	L1	OFF	20.0
0.471750	---	22.81	46.48	23.67	L1	OFF	20.0
0.471750	29.78	---	56.48	26.70	L1	OFF	20.0
2.748750	---	23.49	46.00	22.51	L1	OFF	20.1
2.748750	28.20	---	56.00	27.80	L1	OFF	20.1
12.671250	---	27.08	50.00	22.92	L1	OFF	20.2
12.671250	33.08	---	60.00	26.92	L1	OFF	20.2
14.876250	---	23.25	50.00	26.75	L1	OFF	20.2
14.876250	28.38	---	60.00	31.62	L1	OFF	20.2
17.259000	---	26.54	50.00	23.46	L1	OFF	20.2
17.259000	32.29	---	60.00	27.71	L1	OFF	20.2

EUT Information

Report NO :	181632
Test Mode :	Mode 1
Test Voltage :	Power From System
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.58	55.88	27.29	N	OFF	20.0
0.152250	44.56	---	65.88	21.31	N	OFF	20.0
0.469500	---	22.70	46.52	23.82	N	OFF	20.0
0.469500	29.27	---	56.52	27.26	N	OFF	20.0
2.733000	---	24.21	46.00	21.79	N	OFF	20.1
2.733000	28.98	---	56.00	27.02	N	OFF	20.1
12.664500	---	26.86	50.00	23.14	N	OFF	20.2
12.664500	32.35	---	60.00	27.65	N	OFF	20.2
17.342250	---	23.72	50.00	26.28	N	OFF	20.3
17.342250	30.34	---	60.00	29.66	N	OFF	20.3
19.952250	---	26.66	50.00	23.34	N	OFF	20.3
19.952250	31.61	---	60.00	28.39	N	OFF	20.3

Appendix C. Radiated Spurious Emission

Test Engineer :	Yuan Lee, Jacky Hong and Wilson Wu	Temperature :	20~25°C
		Relative Humidity :	50~60%

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.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5145.86	63.94	-10.06	74	52.88	32.19	6.28	27.41	100	236	P	H
		5150	48.46	-5.54	54	37.39	32.2	6.28	27.41	100	236	A	H
	*	5180	107.9	-	-	96.94	32.08	6.28	27.4	100	236	P	H
	*	5180	100.48	-	-	89.52	32.08	6.28	27.4	100	236	A	H
													H
													H
		5150	59.93	-14.07	74	48.86	32.2	6.28	27.41	100	85	P	V
		5150	46.67	-7.33	54	35.6	32.2	6.28	27.41	100	85	A	V
	*	5180	105.72	-	-	94.76	32.08	6.28	27.4	100	85	P	V
	*	5180	98.12	-	-	87.16	32.08	6.28	27.4	100	85	A	V
													V
													V
802.11a CH 44 5220MHz		5135.98	53.82	-20.18	74	42.79	32.17	6.27	27.41	107	246	P	H
		5054.6	42.43	-11.57	54	31.52	32.1	6.25	27.44	107	246	A	H
	*	5220	108.01	-	-	97.18	31.92	6.3	27.39	107	246	P	H
	*	5220	100.1	-	-	89.27	31.92	6.3	27.39	107	246	A	H
		5444.32	50.14	-23.86	74	39.17	31.9	6.4	27.33	107	246	P	H
		5459.72	40.92	-13.08	54	29.9	31.94	6.41	27.33	107	246	A	H
		5128.18	52.54	-21.46	74	41.53	32.16	6.27	27.42	100	84	P	V
		5051.22	42.34	-11.66	54	31.43	32.1	6.25	27.44	100	84	A	V
	*	5220	106.14	-	-	95.31	31.92	6.3	27.39	100	84	P	V
	*	5220	98.15	-	-	87.32	31.92	6.3	27.39	100	84	A	V
		5445.72	50.58	-23.42	74	39.61	31.9	6.4	27.33	100	84	P	V
		5458.88	40.92	-13.08	54	29.9	31.94	6.41	27.33	100	84	A	V

802.11a CH 48 5240MHz		5140.4	52.38	-21.62	74	41.33	32.18	6.28	27.41	100	246	P	H
		5073.58	42.41	-11.59	54	31.48	32.1	6.26	27.43	100	246	A	H
	*	5240	107.51	-	-	96.75	31.84	6.31	27.39	100	246	P	H
	*	5240	99.64	-	-	88.88	31.84	6.31	27.39	100	246	A	H
		5432.84	50.56	-23.44	74	39.6	31.9	6.4	27.34	100	246	P	H
		5460	41.01	-12.99	54	29.99	31.94	6.41	27.33	100	246	A	H
		5129.22	52.96	-21.04	74	41.95	32.16	6.27	27.42	100	83	P	V
		5069.94	42.31	-11.69	54	31.38	32.1	6.26	27.43	100	83	A	V
	*	5240	105.08	-	-	94.32	31.84	6.31	27.39	100	83	P	V
	*	5240	97.6	-	-	86.84	31.84	6.31	27.39	100	83	A	V
		5403.44	51	-23	74	40.06	31.9	6.39	27.35	100	83	P	V
		5460	40.92	-13.08	54	29.9	31.94	6.41	27.33	100	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	46.54	-21.66	68.2	52.91	39.94	10.15	56.46	-	-	P	H
		15540	47.93	-26.07	74	52.64	39.44	12.03	56.18	-	-	P	H
		17989	55.92	-18.08	74	51.25	48.2	13.19	56.72	-	-	P	H
		17989	46.18	-7.82	54	41.51	48.2	13.19	56.72	-	-	A	H
		10360	46.92	-21.28	68.2	53.29	39.94	10.15	56.46	-	-	P	V
		15540	49.45	-24.55	74	54.16	39.44	12.03	56.18	-	-	P	V
		17967	55.37	-18.63	74	51.31	47.61	13.17	56.72	-	-	P	V
		17967	46.23	-7.77	54	42.17	47.61	13.17	56.72	-	-	A	V
802.11a CH 44 5220MHz		10440	47.24	-20.96	68.2	53.29	40.22	10.19	56.46	-	-	P	H
		15660	48.71	-25.29	74	53.7	38.9	12.04	55.93	-	-	P	H
		17923	55.81	-18.19	74	52.96	46.42	13.15	56.72	-	-	P	H
		17923	46.32	-7.68	54	43.47	46.42	13.15	56.72	-	-	A	H
		10440	48.37	-19.83	68.2	54.42	40.22	10.19	56.46	-	-	P	V
		15660	56.02	-17.98	74	61.01	38.9	12.04	55.93	100	235	P	V
		15660	44.03	-9.97	54	49.02	38.9	12.04	55.93	100	235	A	V
		17934	55.3	-18.7	74	52.15	46.72	13.15	56.72	-	-	P	V
		17934	46.43	-7.57	54	43.28	46.72	13.15	56.72	-	-	A	V

		10480	48.39	-19.81	68.2	54.3	40.34	10.21	56.46	-	-	P	H
		15720	49.22	-24.78	74	54.29	38.68	12.05	55.8	-	-	P	H
		17956	54.56	-19.44	74	50.81	47.31	13.16	56.72	-	-	P	H
802.11a		17956	47.24	-6.76	54	43.49	47.31	13.16	56.72	-	-	A	H
CH 48		10480	48.5	-19.7	68.2	54.41	40.34	10.21	56.46	-	-	P	V
5240MHz		15720	55.92	-18.08	74	60.99	38.68	12.05	55.8	100	234	P	V
		15720	44.13	-9.87	54	49.2	38.68	12.05	55.8	100	234	A	V
		17956	55.82	-18.18	74	52.07	47.31	13.16	56.72	-	-	P	V
		17956	47.12	-6.88	54	43.37	47.31	13.16	56.72	-	-	A	V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5150	60.92	-13.08	74	49.85	32.2	6.28	27.41	100	245	P	H
		5150	49.99	-4.01	54	38.92	32.2	6.28	27.41	100	245	A	H
	*	5190	102.37	-	-	91.44	32.04	6.29	27.4	100	245	P	H
	*	5190	94.73	-	-	83.8	32.04	6.29	27.4	100	245	A	H
		5361.44	50	-24	74	39.32	31.67	6.37	27.36	100	245	P	H
		5458.32	40.83	-13.17	54	29.82	31.93	6.41	27.33	100	245	A	H
		5146.9	57.98	-16.02	74	46.92	32.19	6.28	27.41	100	85	P	V
		5150	47.22	-6.78	54	36.15	32.2	6.28	27.41	100	85	A	V
	*	5190	99.56	-	-	88.63	32.04	6.29	27.4	100	85	P	V
	*	5190	91.75	-	-	80.82	32.04	6.29	27.4	100	85	A	V
		5391.12	51.16	-22.84	74	40.27	31.85	6.39	27.35	100	85	P	V
		5459.44	40.78	-13.22	54	29.76	31.94	6.41	27.33	100	85	A	V
802.11n HT40 CH 46 5230MHz		5077.74	51.72	-22.28	74	40.79	32.1	6.26	27.43	100	244	P	H
		5150	42.4	-11.6	54	31.33	32.2	6.28	27.41	100	244	A	H
	*	5230	101.77	-	-	90.98	31.88	6.3	27.39	100	244	P	H
	*	5230	94.34	-	-	83.55	31.88	6.3	27.39	100	244	A	H
		5381.04	50.59	-23.41	74	39.77	31.79	6.38	27.35	100	244	P	H
		5460	40.82	-13.18	54	29.8	31.94	6.41	27.33	100	244	A	H
		5023.92	52.56	-21.44	74	41.81	31.94	6.25	27.44	100	84	P	V
		5063.7	42.2	-11.8	54	31.27	32.1	6.26	27.43	100	84	A	V
	*	5230	99.24	-	-	88.45	31.88	6.3	27.39	100	84	P	V
	*	5230	91.76	-	-	80.97	31.88	6.3	27.39	100	84	A	V
		5452.44	50.38	-23.62	74	39.39	31.91	6.41	27.33	100	84	P	V
		5459.16	40.77	-13.23	54	29.75	31.94	6.41	27.33	100	84	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	47.72	-20.48	68.2	54	40.02	10.16	56.46	-	-	P	H
		15570	46.8	-27.2	74	51.57	39.32	12.03	56.12	-	-	P	H
		17956	55.98	-18.02	74	52.23	47.31	13.16	56.72	-	-	P	H
		17956	47.24	-6.76	54	43.49	47.31	13.16	56.72	-	-	A	H
		10380	47.64	-20.56	68.2	53.92	40.02	10.16	56.46	-	-	P	V
		15570	48.71	-25.29	74	53.48	39.32	12.03	56.12	-	-	P	V
		17989	56.58	-17.42	74	51.91	48.2	13.19	56.72	-	-	P	V
		17989	48.02	-5.98	54	43.35	48.2	13.19	56.72	-	-	A	V
802.11n HT40 CH 46 5230MHz		10460	47.62	-20.58	68.2	53.6	40.28	10.2	56.46	-	-	P	H
		15690	44.71	-29.29	74	49.78	38.75	12.04	55.86	-	-	P	H
		17978	55.6	-18.4	74	51.22	47.91	13.19	56.72	-	-	P	H
		17978	47.92	-6.08	54	43.54	47.91	13.19	56.72	-	-	A	H
		10460	48.25	-19.95	68.2	54.23	40.28	10.2	56.46	-	-	P	V
		15690	46.84	-27.16	74	51.91	38.75	12.04	55.86	-	-	P	V
		17978	55.78	-18.22	74	51.4	47.91	13.19	56.72	-	-	P	V
		17978	47.73	-6.27	54	43.35	47.91	13.19	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5139.88	64.29	-9.71	74	53.25	32.18	6.27	27.41	100	244	P	H
		5150	50.72	-3.28	54	39.65	32.2	6.28	27.41	100	244	A	H
	*	5210	99.05	-	-	88.19	31.96	6.3	27.4	100	244	P	H
	*	5210	90.46	-	-	79.6	31.96	6.3	27.4	100	244	A	H
		5457.48	50.53	-23.47	74	39.52	31.93	6.41	27.33	100	244	P	H
		5459.16	40.98	-13.02	54	29.96	31.94	6.41	27.33	100	244	A	H
		5140.92	57.16	-16.84	74	46.11	32.18	6.28	27.41	100	84	P	V
		5150	47.96	-6.04	54	36.89	32.2	6.28	27.41	100	84	A	V
	*	5210	95.31	-	-	84.45	31.96	6.3	27.4	100	84	P	V
	*	5210	87.07	-	-	76.21	31.96	6.3	27.4	100	84	A	V
		5397.28	50.63	-23.37	74	39.71	31.88	6.39	27.35	100	84	P	V
		5459.72	40.96	-13.04	54	29.94	31.94	6.41	27.33	100	84	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	47.11	-21.09	68.2	53.23	40.16	10.18	56.46	-	-	P	H
		15630	46.33	-27.67	74	51.24	39.05	12.03	55.99	-	-	P	H
		17989	55.39	-18.61	74	50.72	48.2	13.19	56.72	-	-	P	H
		17989	45.51	-8.49	54	40.84	48.2	13.19	56.72	-	-	A	H
		10420	47.61	-20.59	68.2	53.73	40.16	10.18	56.46	-	-	P	V
		15630	45.78	-28.22	74	50.69	39.05	12.03	55.99	-	-	P	V
		17967	56.11	-17.89	74	52.05	47.61	13.17	56.72	-	-	P	V
		17967	46.22	-7.78	54	42.16	47.61	13.17	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		5090.1	52.07	-21.93	74	41.14	32.1	6.26	27.43	100	247	P	H
		5091.12	42.35	-11.65	54	31.42	32.1	6.26	27.43	100	247	A	H
	*	5260	107.31	-	-	96.59	31.78	6.32	27.38	100	247	P	H
	*	5260	99.86	-	-	89.14	31.78	6.32	27.38	100	247	A	H
		5437.44	49.56	-24.44	74	38.6	31.9	6.4	27.34	100	247	P	H
		5459.28	40.98	-13.02	54	29.96	31.94	6.41	27.33	100	247	A	H
		5067.32	52.24	-21.76	74	41.31	32.1	6.26	27.43	100	83	P	V
		5092.48	42.25	-11.75	54	31.32	32.1	6.26	27.43	100	83	A	V
	*	5260	105.03	-	-	94.31	31.78	6.32	27.38	100	83	P	V
	*	5260	97.43	-	-	86.71	31.78	6.32	27.38	100	83	A	V
		5431.92	50.98	-23.02	74	40.02	31.9	6.4	27.34	100	83	P	V
		5459.28	40.94	-13.06	54	29.92	31.94	6.41	27.33	100	83	A	V
802.11a CH 60 5300MHz		5090.1	52.69	-21.31	74	41.76	32.1	6.26	27.43	100	253	P	H
		5050.66	42.2	-11.8	54	31.29	32.1	6.25	27.44	100	253	A	H
	*	5300	106.17	-	-	95.5	31.7	6.34	27.37	100	253	P	H
	*	5300	98.59	-	-	87.92	31.7	6.34	27.37	100	253	A	H
		5440.56	51.26	-22.74	74	40.3	31.9	6.4	27.34	100	253	P	H
		5350.08	41.56	-12.44	54	30.95	31.6	6.37	27.36	100	253	A	H
		5077.86	52.02	-21.98	74	41.09	32.1	6.26	27.43	100	82	P	V
		5047.6	42.14	-11.86	54	31.24	32.09	6.25	27.44	100	82	A	V
	*	5300	103.11	-	-	92.44	31.7	6.34	27.37	100	82	P	V
	*	5300	95.81	-	-	85.14	31.7	6.34	27.37	100	82	A	V
		5441.52	49.58	-24.42	74	38.62	31.9	6.4	27.34	100	82	P	V
		5459.04	40.87	-13.13	54	29.85	31.94	6.41	27.33	100	82	A	V

802.11a CH 64 5320MHz	*	5320	105.77	-	-	95.13	31.66	6.35	27.37	100	241	P	H
	*	5320	98.41	-	-	87.77	31.66	6.35	27.37	100	241	A	H
		5350.24	64.08	-9.92	74	53.47	31.6	6.37	27.36	100	241	P	H
		5350.08	48.8	-5.2	54	38.19	31.6	6.37	27.36	100	241	A	H
													H
													H
	*	5320	103.77	-	-	93.13	31.66	6.35	27.37	100	82	P	V
	*	5320	95.71	-	-	85.07	31.66	6.35	27.37	100	82	A	V
		5350.56	60.56	-13.44	74	49.95	31.6	6.37	27.36	100	82	P	V
		5350.08	46.21	-7.79	54	35.6	31.6	6.37	27.36	100	82	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	48.15	-20.05	68.2	53.99	40.36	10.23	56.43	-	-	P	H
		15780	49.07	-24.93	74	54.07	38.62	12.05	55.67	-	-	P	H
		18000	56.4	-17.6	74	51.42	48.5	12.38	56.72	-	-	P	H
		18000	46.18	-7.82	54	41.2	48.5	12.38	56.72	-	-	A	H
		10520	47.39	-20.81	68.2	53.23	40.36	10.23	56.43	-	-	P	V
		15780	49.15	-24.85	74	54.15	38.62	12.05	55.67	-	-	P	V
		17989	56.87	-17.13	74	52.2	48.2	12.37	56.72	-	-	P	V
		17989	46.13	-7.87	54	41.46	48.2	12.37	56.72	-	-	A	V
802.11a CH 60 5300MHz		10600	47.23	-26.77	74	53.08	40.2	10.27	56.32	-	-	P	H
		15900	46.37	-27.63	74	51.01	38.7	12.07	55.41	-	-	P	H
		17989	56.47	-17.53	74	51.8	48.2	13.19	56.72	-	-	P	H
		17989	46.5	-7.5	54	41.83	48.2	13.19	56.72	-	-	A	H
		10600	48.12	-25.88	74	53.97	40.2	10.27	56.32	-	-	P	V
		15900	48.13	-25.87	74	52.77	38.7	12.07	55.41	-	-	P	V
		18000	55.39	-18.61	74	50.41	48.5	13.2	56.72	-	-	P	V
		18000	45.35	-8.65	54	40.37	48.5	13.2	56.72	-	-	A	V
802.11a CH 64 5320MHz		10640	47.83	-26.17	74	53.49	40.32	10.29	56.27	-	-	P	H
		15960	45.49	-28.51	74	50.19	38.52	12.07	55.29	-	-	P	H
		17978	55.99	-18.01	74	51.61	47.91	13.19	56.72	-	-	P	H
		17978	45.9	-8.1	54	41.52	47.91	13.19	56.72	-	-	A	H
		10640	48.07	-25.93	74	53.73	40.32	10.29	56.27	-	-	P	V
		15960	45.41	-28.59	74	50.11	38.52	12.07	55.29	-	-	P	V
		17978	55.88	-18.12	74	51.5	47.91	13.19	56.72	-	-	P	V
		17978	45.96	-8.04	54	41.58	47.91	13.19	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5093.5	52.52	-21.48	74	41.59	32.1	6.26	27.43	100	249	P	H
		5090.78	42.21	-11.79	54	31.28	32.1	6.26	27.43	100	249	A	H
	*	5270	101.82	-	-	91.12	31.76	6.32	27.38	100	249	P	H
	*	5270	94.3	-	-	83.6	31.76	6.32	27.38	100	249	A	H
		5427.6	50.01	-23.99	74	39.05	31.9	6.4	27.34	100	249	P	H
		5459.76	40.91	-13.09	54	29.89	31.94	6.41	27.33	100	249	A	H
		5035.7	52.87	-21.13	74	42.05	32.01	6.25	27.44	100	82	P	V
		5053.72	42.13	-11.87	54	31.22	32.1	6.25	27.44	100	82	A	V
	*	5270	99.5	-	-	88.8	31.76	6.32	27.38	100	82	P	V
	*	5270	91.96	-	-	81.26	31.76	6.32	27.38	100	82	A	V
		5448.24	50.88	-23.12	74	39.91	31.9	6.4	27.33	100	82	P	V
		5457.12	40.78	-13.22	54	29.77	31.93	6.41	27.33	100	82	A	V
802.11n HT40 CH 62 5310MHz		5054.74	52.19	-21.81	74	41.28	32.1	6.25	27.44	100	241	P	H
		5056.44	42.18	-11.82	54	31.27	32.1	6.25	27.44	100	241	A	H
	*	5310	101.68	-	-	91.03	31.68	6.34	27.37	100	241	P	H
	*	5310	93.86	-	-	83.21	31.68	6.34	27.37	100	241	A	H
		5351.04	64.59	-9.41	74	53.97	31.61	6.37	27.36	100	241	P	H
		5350.08	50.7	-3.3	54	40.09	31.6	6.37	27.36	100	241	A	H
		5124.78	51.96	-22.04	74	40.96	32.15	6.27	27.42	100	83	P	V
		5050.32	42.13	-11.87	54	31.22	32.1	6.25	27.44	100	83	A	V
	*	5310	98.69	-	-	88.04	31.68	6.34	27.37	100	83	P	V
	*	5310	91.29	-	-	80.64	31.68	6.34	27.37	100	83	A	V
		5351.04	59.88	-14.12	74	49.26	31.61	6.37	27.36	100	83	P	V
		5350.32	47.7	-6.3	54	37.09	31.6	6.37	27.36	100	83	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	47.18	-21.02	68.2	53.02	40.32	10.24	56.4	-	-	P	H
		15810	44.91	-29.09	74	49.85	38.61	12.06	55.61	-	-	P	H
		17967	56.07	-17.93	74	52.01	47.61	13.17	56.72	-	-	P	H
		17967	46.12	-7.88	54	42.06	47.61	13.17	56.72	-	-	A	H
		10540	47.25	-20.95	68.2	53.09	40.32	10.24	56.4	-	-	P	V
		15810	44.99	-29.01	74	49.93	38.61	12.06	55.61	-	-	P	V
		17989	55.31	-18.69	74	50.64	48.2	13.19	56.72	-	-	P	V
		17989	45.26	-8.74	54	40.59	48.2	13.19	56.72	-	-	A	V
802.11n HT40 CH 62 5310MHz		10620	47.15	-26.85	74	52.9	40.26	10.28	56.29	-	-	P	H
		15930	45.84	-28.16	74	50.51	38.61	12.07	55.35	-	-	P	H
		18000	55.95	-18.05	74	50.97	48.5	13.2	56.72	-	-	P	H
		18000	45.85	-8.15	54	40.87	48.5	13.2	56.72	-	-	A	H
		10620	47.44	-26.56	74	53.19	40.26	10.28	56.29	-	-	P	V
		15930	46.36	-27.64	74	51.03	38.61	12.07	55.35	-	-	P	V
		17989	56.1	-17.9	74	51.43	48.2	13.19	56.72	-	-	P	V
		17989	46.07	-7.93	54	41.4	48.2	13.19	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5100.98	53.23	-20.77	74	42.28	32.1	6.27	27.42	100	242	P	H
		5149.94	42.94	-11.06	54	31.87	32.2	6.28	27.41	100	242	A	H
	*	5290	98.82	-	-	88.13	31.72	6.34	27.37	100	242	P	H
	*	5290	90.62	-	-	79.93	31.72	6.34	27.37	100	242	A	H
		5364	61.13	-12.87	74	50.44	31.68	6.37	27.36	100	242	P	H
		5350.32	50.13	-3.87	54	39.52	31.6	6.37	27.36	100	242	A	H
		5044.2	52.17	-21.83	74	41.29	32.07	6.25	27.44	100	84	P	V
		5149.6	42.32	-11.68	54	31.25	32.2	6.28	27.41	100	84	A	V
	*	5290	95.38	-	-	84.69	31.72	6.34	27.37	100	84	P	V
	*	5290	87.64	-	-	76.95	31.72	6.34	27.37	100	84	A	V
		5358.48	61.95	-12.05	74	51.29	31.65	6.37	27.36	100	84	P	V
		5350.56	47.28	-6.72	54	36.67	31.6	6.37	27.36	100	84	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	46.68	-21.52	68.2	52.53	40.24	10.26	56.35	-	-	P	H
		15870	45.6	-28.4	74	50.34	38.67	12.07	55.48	-	-	P	H
		17967	55.79	-18.21	74	51.73	47.61	13.17	56.72	-	-	P	H
		17967	45.75	-8.25	54	41.69	47.61	13.17	56.72	-	-	A	H
		10580	47.09	-21.11	68.2	52.94	40.24	10.26	56.35	-	-	P	V
		15870	45.72	-28.28	74	50.46	38.67	12.07	55.48	-	-	P	V
		17978	56.77	-17.23	74	52.39	47.91	13.19	56.72	-	-	P	V
		17978	46.76	-7.24	54	42.38	47.91	13.19	56.72	-	-	A	V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5458.64	56.79	-17.21	74	45.78	31.93	6.41	27.33	100	257	P	H
		5468.24	64.53	-3.67	68.2	53.48	31.97	6.41	27.33	100	257	P	H
		5460	46.48	-7.52	54	35.46	31.94	6.41	27.33	100	257	A	H
	*	5500	106.97	-	-	95.77	32.1	6.42	27.32	100	257	P	H
	*	5500	99.55	-	-	88.35	32.1	6.42	27.32	100	257	A	H
													H
		5459.92	56.22	-17.78	74	45.2	31.94	6.41	27.33	395	22	P	V
		5469.04	60.39	-7.81	68.2	49.33	31.98	6.41	27.33	395	22	P	V
		5460	43.5	-10.5	54	32.48	31.94	6.41	27.33	395	22	A	V
	*	5500	103.82	-	-	92.62	32.1	6.42	27.32	395	22	P	V
	*	5500	96.42	-	-	85.22	32.1	6.42	27.32	395	22	A	V
													V
802.11a CH 116 5580MHz		5403.28	51.37	-22.63	74	40.43	31.9	6.39	27.35	100	255	P	H
		5463.76	50.86	-17.34	68.2	39.82	31.96	6.41	27.33	100	255	P	H
		5459.92	41.15	-12.85	54	30.13	31.94	6.41	27.33	100	255	A	H
	*	5580	106.89	-	-	95.83	32	6.44	27.38	100	255	P	H
	*	5580	99.66	-	-	88.6	32	6.44	27.38	100	255	A	H
		5749.565	51.62	-16.58	68.2	40.31	32.4	6.41	27.5	100	255	P	H
		5430.88	50.88	-23.12	74	39.92	31.9	6.4	27.34	384	22	P	V
		5469.52	49.35	-18.85	68.2	38.29	31.98	6.41	27.33	384	22	P	V
		5459.68	41.03	-12.97	54	30.01	31.94	6.41	27.33	384	22	A	V
	*	5580	104.22	-	-	93.16	32	6.44	27.38	384	22	P	V
	*	5580	96.88	-	-	85.82	32	6.44	27.38	384	22	A	V
		5736.65	52.11	-16.09	68.2	40.84	32.35	6.41	27.49	384	22	P	V

802.11a CH 140 5700MHz	*	5700	105.62	-	-	94.46	32.2	6.42	27.46	100	251	P	H
	*	5700	98.14	-	-	86.98	32.2	6.42	27.46	100	251	A	H
		5725.08	62.04	-6.16	68.2	50.81	32.3	6.41	27.48	100	251	P	H
													H
													H
													H
	*	5700	102.26	-	-	91.1	32.2	6.42	27.46	388	24	P	V
	*	5700	94.93	-	-	83.77	32.2	6.42	27.46	388	24	A	V
		5725.64	59.33	-8.87	68.2	48.1	32.3	6.41	27.48	388	24	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	47.84	-26.16	74	52.44	40.7	10.47	55.77	-	-	P	H
		16500	46	-22.2	68.2	49.15	39.9	12.26	55.31	-	-	P	H
		17978	56.11	-17.89	74	51.73	47.91	13.19	56.72	-	-	P	H
		17978	46.19	-7.81	54	41.81	47.91	13.19	56.72	-	-	A	H
		11000	48.14	-25.86	74	52.74	40.7	10.47	55.77	-	-	P	V
		16500	46.95	-21.25	68.2	50.1	39.9	12.26	55.31	-	-	P	V
		18000	55.83	-18.17	74	50.85	48.5	13.2	56.72	-	-	P	V
		18000	45.87	-8.13	54	40.89	48.5	13.2	56.72	-	-	A	V
802.11a CH 116 5580MHz		11160	47.31	-26.69	74	52.58	39.96	10.54	55.77	-	-	P	H
		16740	49.47	-18.73	68.2	52.39	40.26	12.35	55.53	-	-	P	H
		17967	56.34	-17.66	74	52.28	47.61	13.17	56.72	-	-	P	H
		17967	46.32	-7.68	54	42.26	47.61	13.17	56.72	-	-	A	H
		11160	46.81	-27.19	74	52.08	39.96	10.54	55.77	-	-	P	V
		16740	50.39	-17.81	68.2	53.31	40.26	12.35	55.53	-	-	P	V
		18000	55.99	-18.01	74	51.01	48.5	13.2	56.72	-	-	P	V
		18000	46.07	-7.93	54	41.09	48.5	13.2	56.72	-	-	A	V
802.11a CH 140 5700MHz		11400	47.68	-26.32	74	52.92	39.9	10.64	55.78	-	-	P	H
		17100	48.26	-19.94	68.2	51.29	40.4	12.52	55.95	-	-	P	H
		18000	55.64	-18.36	74	50.66	48.5	13.2	56.72	-	-	P	H
		18000	45.76	-8.24	54	40.78	48.5	13.2	56.72	-	-	A	H
		11400	47.47	-26.53	74	52.71	39.9	10.64	55.78	-	-	P	V
		17100	51.4	-16.8	68.2	54.43	40.4	12.52	55.95	-	-	P	V
		17989	55.86	-18.14	74	51.19	48.2	13.19	56.72	-	-	P	V
		17989	45.9	-8.1	54	41.23	48.2	13.19	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.88	58.19	-15.81	74	47.18	31.93	6.41	27.33	100	257	P	H
		5469.52	62	-6.2	68.2	50.94	31.98	6.41	27.33	100	257	P	H
		5459.92	44	-10	54	32.98	31.94	6.41	27.33	100	257	A	H
	*	5500	105.73	-	-	94.53	32.1	6.42	27.32	100	257	P	H
802.11n	*	5500	97.94	-	-	86.74	32.1	6.42	27.32	100	257	A	H
HT20													H
CH 100		5459.12	51.84	-22.16	74	40.82	31.94	6.41	27.33	396	24	P	V
5500MHz		5469.52	57.94	-10.26	68.2	46.88	31.98	6.41	27.33	396	24	P	V
		5459.76	42.17	-11.83	54	31.15	31.94	6.41	27.33	396	24	A	V
	*	5500	102.66	-	-	91.46	32.1	6.42	27.32	396	24	P	V
	*	5500	94.97	-	-	83.77	32.1	6.42	27.32	396	24	A	V
													V
		5430.88	50.58	-23.42	74	39.62	31.9	6.4	27.34	100	254	P	H
		5461.12	50.76	-17.44	68.2	39.74	31.94	6.41	27.33	100	254	P	H
		5459.44	41.13	-12.87	54	30.11	31.94	6.41	27.33	100	254	A	H
	*	5580	106.39	-	-	95.33	32	6.44	27.38	100	254	P	H
802.11n	*	5580	98.69	-	-	87.63	32	6.44	27.38	100	254	A	H
HT20		5748.935	50.97	-17.23	68.2	39.66	32.4	6.41	27.5	100	254	P	H
CH 116		5449.6	51.17	-22.83	74	40.2	31.9	6.4	27.33	384	24	P	V
5580MHz		5464.72	51.45	-16.75	68.2	40.41	31.96	6.41	27.33	384	24	P	V
		5459.92	41.05	-12.95	54	30.03	31.94	6.41	27.33	384	24	A	V
	*	5580	103.71	-	-	92.65	32	6.44	27.38	384	24	P	V
	*	5580	96.06	-	-	85	32	6.44	27.38	384	24	A	V
		5763.11	51.11	-17.09	68.2	39.82	32.4	6.4	27.51	384	24	P	V

	*	5700	106.72	-	-	95.56	32.2	6.42	27.46	100	252	P	H
	*	5700	98.21	-	-	87.05	32.2	6.42	27.46	100	252	A	H
		5729.16	64.05	-4.15	68.2	52.8	32.32	6.41	27.48	100	252	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	102.97	-	-	91.81	32.2	6.42	27.46	367	24	P	V
5700MHz	*	5700	95.12	-	-	83.96	32.2	6.42	27.46	367	24	A	V
		5725.72	59.6	-8.6	68.2	48.37	32.3	6.41	27.48	367	24	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. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.2	-25.8	74	52.8	40.7	10.47	55.77	-	-	P	H
		16500	46.84	-21.36	68.2	49.99	39.9	12.26	55.31	-	-	P	H
802.11n		17978	55.73	-18.27	74	51.35	47.91	13.19	56.72	-	-	P	H
HT20		17978	46.09	-7.91	54	41.71	47.91	13.19	56.72	-	-	A	H
CH 100		11000	48.06	-25.94	74	52.66	40.7	10.47	55.77	-	-	P	V
5500MHz		16500	46.71	-21.49	68.2	49.86	39.9	12.26	55.31	-	-	P	V
		17978	56.33	-17.67	74	51.95	47.91	13.19	56.72	-	-	P	V
		17978	46.24	-7.76	54	41.86	47.91	13.19	56.72	-	-	A	V
		11160	48.28	-25.72	74	53.55	39.96	10.54	55.77	-	-	P	H
		16740	47.67	-20.53	68.2	50.59	40.26	12.35	55.53	-	-	P	H
802.11n		17989	56.19	-17.81	74	51.52	48.2	13.19	56.72	-	-	P	H
HT20		17989	46.11	-7.89	54	41.44	48.2	13.19	56.72	-	-	A	H
CH 116		11160	47.1	-26.9	74	52.37	39.96	10.54	55.77	-	-	P	V
5580MHz		16740	47.59	-20.61	68.2	50.51	40.26	12.35	55.53	-	-	P	V
		17989	56.16	-17.84	74	51.49	48.2	13.19	56.72	-	-	P	V
		17989	46	-8	54	41.33	48.2	13.19	56.72	-	-	A	V
		11400	47.96	-26.04	74	53.2	39.9	10.64	55.78	-	-	P	H
		17100	49.02	-19.18	68.2	52.05	40.4	12.52	55.95	-	-	P	H
802.11n		17967	55.93	-18.07	74	51.87	47.61	13.17	56.72	-	-	P	H
HT20		17967	46.11	-7.89	54	42.05	47.61	13.17	56.72	-	-	A	H
CH 140		11400	48.21	-25.79	74	53.45	39.9	10.64	55.78	-	-	P	V
5700MHz		17100	51.39	-16.81	68.2	54.42	40.4	12.52	55.95	-	-	P	V
		18000	55.72	-18.28	74	50.74	48.5	13.2	56.72	-	-	P	V
		18000	46.23	-7.77	54	41.25	48.5	13.2	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.56	60.42	-13.58	74	49.41	31.93	6.41	27.33	103	263	P	H
		5467.6	63.45	-4.75	68.2	52.4	31.97	6.41	27.33	103	263	P	H
		5459.92	46.86	-7.14	54	35.84	31.94	6.41	27.33	103	263	A	H
	*	5510	102.36	-	-	91.19	32.08	6.42	27.33	103	263	P	H
802.11n	*	5510	94.29	-	-	83.12	32.08	6.42	27.33	103	263	A	H
HT40		5729.72	51.31	-16.89	68.2	40.07	32.32	6.41	27.49	103	263	P	H
CH 102		5459.2	53.16	-20.84	74	42.14	31.94	6.41	27.33	108	114	P	V
5510MHz		5469.28	56.8	-11.4	68.2	45.74	31.98	6.41	27.33	108	114	P	V
		5459.92	43.9	-10.1	54	32.88	31.94	6.41	27.33	108	114	A	V
	*	5510	97.39	-	-	86.22	32.08	6.42	27.33	108	114	P	V
	*	5510	89.36	-	-	78.19	32.08	6.42	27.33	108	114	A	V
		5732.555	51.47	-16.73	68.2	40.22	32.33	6.41	27.49	108	114	P	V
		5459.92	51.72	-22.28	74	40.7	31.94	6.41	27.33	100	262	P	H
		5468.32	50.3	-17.9	68.2	39.25	31.97	6.41	27.33	100	262	P	H
		5459.68	41.42	-12.58	54	30.4	31.94	6.41	27.33	100	262	A	H
	*	5550	102.38	-	-	91.31	32	6.43	27.36	100	262	P	H
802.11n	*	5550	94.34	-	-	83.27	32	6.43	27.36	100	262	A	H
HT40		5752.085	51.38	-16.82	68.2	40.08	32.4	6.4	27.5	100	262	P	H
CH 110		5408.56	50.37	-23.63	74	39.42	31.9	6.39	27.34	100	111	P	V
5550MHz		5468.56	49.49	-18.71	68.2	38.44	31.97	6.41	27.33	100	111	P	V
		5459.92	41.08	-12.92	54	30.06	31.94	6.41	27.33	100	111	A	V
	*	5550	97.08	-	-	86.01	32	6.43	27.36	100	111	P	V
	*	5550	88.97	-	-	77.9	32	6.43	27.36	100	111	A	V
		5725.625	51.37	-16.83	68.2	40.14	32.3	6.41	27.48	100	111	P	V

		5394.45	51.65	-22.35	74	40.74	31.87	6.39	27.35	107	259	P	H
		5460.25	48.55	-19.65	68.2	37.53	31.94	6.41	27.33	107	259	P	H
		5459.55	40.91	-13.09	54	29.89	31.94	6.41	27.33	107	259	A	H
	*	5670	102.97	-	-	91.96	32.02	6.43	27.44	107	259	P	H
802.11n	*	5670	94.61	-	-	83.6	32.02	6.43	27.44	107	259	A	H
HT40		5728.145	54.07	-14.13	68.2	42.83	32.31	6.41	27.48	107	259	P	H
CH 134		5456.4	50.23	-23.77	74	39.22	31.93	6.41	27.33	101	109	P	V
5670MHz		5460.25	50.25	-17.95	68.2	39.23	31.94	6.41	27.33	101	109	P	V
		5459.9	40.82	-13.18	54	29.8	31.94	6.41	27.33	101	109	A	V
	*	5670	96.45	-	-	85.44	32.02	6.43	27.44	101	109	P	V
	*	5670	88.72	-	-	77.71	32.02	6.43	27.44	101	109	A	V
		5753.975	51.35	-16.85	68.2	40.05	32.4	6.4	27.5	101	109	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	49.47	-24.53	74	54.16	40.6	10.48	55.77	-	-	P	H
		16530	46.18	-22.02	68.2	49.38	39.87	12.27	55.34	-	-	P	H
		17989	55.62	-18.38	74	50.95	48.2	13.19	56.72	-	-	P	H
		17989	46.32	-7.68	54	41.65	48.2	13.19	56.72	-	-	A	H
		11020	48.49	-25.51	74	53.18	40.6	10.48	55.77	-	-	P	V
		16530	46.51	-21.69	68.2	49.71	39.87	12.27	55.34	-	-	P	V
		17956	55.7	-18.3	74	51.95	47.31	13.16	56.72	-	-	P	V
		17956	46.34	-7.66	54	42.59	47.31	13.16	56.72	-	-	A	V
802.11n HT40 CH 110 5550MHz		11100	48.55	-25.45	74	53.61	40.2	10.51	55.77	-	-	P	H
		16650	46.81	-21.39	68.2	50	39.95	12.31	55.45	-	-	P	H
		18000	56.69	-17.31	74	51.71	48.5	13.2	56.72	-	-	P	H
		18000	46.22	-7.78	54	41.24	48.5	13.2	56.72	-	-	A	H
		11100	48.02	-25.98	74	53.08	40.2	10.51	55.77	-	-	P	V
		16650	47.25	-20.95	68.2	50.44	39.95	12.31	55.45	-	-	P	V
		17967	55.82	-18.18	74	51.76	47.61	13.17	56.72	-	-	P	V
		17967	46.08	-7.92	54	42.02	47.61	13.17	56.72	-	-	A	V
802.11n HT40 CH 134 5670MHz		11340	47.63	-26.37	74	53.02	39.78	10.61	55.78	-	-	P	H
		17010	48.99	-19.21	68.2	51.84	40.49	12.45	55.79	-	-	P	H
		17989	55.49	-18.51	74	50.82	48.2	13.19	56.72	-	-	P	H
		17989	46.3	-7.7	54	41.63	48.2	13.19	56.72	-	-	A	H
		11340	48.17	-25.83	74	53.56	39.78	10.61	55.78	-	-	P	V
		17010	48.68	-19.52	68.2	51.53	40.49	12.45	55.79	-	-	P	V
		18000	56.38	-17.62	74	51.4	48.5	13.2	56.72	-	-	P	V
		18000	46.2	-7.8	54	41.22	48.5	13.2	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5457.04	58.8	-15.2	74	47.79	31.93	6.41	27.33	100	253	P	H
		5469.28	63.45	-4.75	68.2	52.39	31.98	6.41	27.33	100	253	P	H
		5458.48	44.86	-9.14	54	33.85	31.93	6.41	27.33	100	253	A	H
	*	5530	99.14	-	-	88.01	32.04	6.43	27.34	100	253	P	H
802.11ac	*	5530	90.73	-	-	79.6	32.04	6.43	27.34	100	253	A	H
VHT80		5761.85	52.18	-16.02	68.2	40.89	32.4	6.4	27.51	100	253	P	H
CH 106		5457.28	54.82	-19.18	74	43.81	31.93	6.41	27.33	104	112	P	V
5530MHz		5463.28	54.58	-13.62	68.2	43.55	31.95	6.41	27.33	104	112	P	V
		5458.72	42.94	-11.06	54	31.93	31.93	6.41	27.33	104	112	A	V
	*	5530	93.99	-	-	82.86	32.04	6.43	27.34	104	112	P	V
	*	5530	84.9	-	-	73.77	32.04	6.43	27.34	104	112	A	V
		5725.625	50.79	-17.41	68.2	39.56	32.3	6.41	27.48	104	112	P	V
		5459.55	51.58	-22.42	74	40.56	31.94	6.41	27.33	100	260	P	H
		5463.75	52.88	-15.32	68.2	41.85	31.95	6.41	27.33	100	260	P	H
		5459.9	43	-11	54	31.98	31.94	6.41	27.33	100	260	A	H
	*	5610	100.47	-	-	89.44	31.98	6.45	27.4	100	260	P	H
802.11ac	*	5610	92.21	-	-	81.18	31.98	6.45	27.4	100	260	A	H
VHT80		5726.885	56.91	-11.29	68.2	45.67	32.31	6.41	27.48	100	260	P	H
CH 122		5417.2	50.3	-23.7	74	39.34	31.9	6.4	27.34	100	111	P	V
5610MHz		5462	50.64	-17.56	68.2	39.61	31.95	6.41	27.33	100	111	P	V
		5459.9	41.74	-12.26	54	30.72	31.94	6.41	27.33	100	111	A	V
	*	5610	94.5	-	-	83.47	31.98	6.45	27.4	100	111	P	V
	*	5610	86.02	-	-	74.99	31.98	6.45	27.4	100	111	A	V
		5737.595	51.8	-16.4	68.2	40.53	32.35	6.41	27.49	100	111	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	48.15	-25.85	74	53.02	40.4	10.5	55.77	-	-	P	H
		16590	46.16	-22.04	68.2	49.45	39.81	12.29	55.39	-	-	P	H
		17989	56.28	-17.72	74	51.61	48.2	13.19	56.72	-	-	P	H
		17989	46.17	-7.83	54	41.5	48.2	13.19	56.72	-	-	A	H
		11060	48.64	-25.36	74	53.51	40.4	10.5	55.77	-	-	P	V
		16590	46.85	-21.35	68.2	50.14	39.81	12.29	55.39	-	-	P	V
		17967	55.95	-18.05	74	51.89	47.61	13.17	56.72	-	-	P	V
		17967	46.38	-7.62	54	42.32	47.61	13.17	56.72	-	-	A	V
802.11ac VHT80 CH 122 5610MHz		11220	48.36	-25.64	74	53.79	39.78	10.56	55.77	-	-	P	H
		16830	47.51	-20.69	68.2	50.21	40.53	12.38	55.61	-	-	P	H
		18000	55.62	-18.38	74	50.64	48.5	13.2	56.72	-	-	P	H
		18000	46.36	-7.64	54	41.38	48.5	13.2	56.72	-	-	A	H
		11220	48.22	-25.78	74	53.65	39.78	10.56	55.77	-	-	P	V
		16830	47.47	-20.73	68.2	50.17	40.53	12.38	55.61	-	-	P	V
		17989	57.26	-16.74	74	52.59	48.2	13.19	56.72	-	-	P	V
		17989	46.05	-7.95	54	41.38	48.2	13.19	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5404.21	50.73	-23.27	74	39.78	31.9	6.39	27.34	102	257	P	H
		5464.27	49.19	-19.01	68.2	38.15	31.96	6.41	27.33	102	257	P	H
		5459.98	40.99	-13.01	54	29.97	31.94	6.41	27.33	102	257	A	H
	*	5720	107.96	-	-	96.75	32.28	6.41	27.48	102	257	P	H
	*	5720	100.35	-	-	89.14	32.28	6.41	27.48	102	257	A	H
		5896.25	51.64	-16.56	68.2	40.09	32.69	6.47	27.61	102	257	P	H
		5367.16	50.66	-23.34	74	39.94	31.7	6.37	27.35	362	22	P	V
		5460.37	49.21	-18.99	68.2	38.19	31.94	6.41	27.33	362	22	P	V
		5459.59	40.94	-13.06	54	29.92	31.94	6.41	27.33	362	22	A	V
	*	5720	104.71	-	-	93.5	32.28	6.41	27.48	362	22	P	V
	*	5720	97.26	-	-	86.05	32.28	6.41	27.48	362	22	A	V
		5869	51.27	-16.93	68.2	39.83	32.58	6.45	27.59	362	22	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	47.35	-26.65	74	52.46	40.02	10.65	55.78	-	-	P	H
		17160	48.68	-19.52	68.2	51.72	40.46	12.56	56.06	-	-	P	H
		18000	56.54	-17.46	74	51.56	48.5	13.2	56.72	-	-	P	H
		18000	46.36	-7.64	54	41.38	48.5	13.2	56.72	-	-	A	H
		11440	47.64	-26.36	74	52.75	40.02	10.65	55.78	-	-	P	V
		17160	52.56	-15.64	68.2	55.6	40.46	12.56	56.06	-	-	P	V
		17967	55.91	-18.09	74	51.85	47.61	13.17	56.72	-	-	P	V
		17967	46.3	-7.7	54	42.24	47.61	13.17	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5442.04	50.58	-23.42	74	39.62	31.9	6.4	27.34	100	257	P	H
		5470	50.26	-17.94	68.2	39.2	31.98	6.41	27.33	100	257	P	H
		5459.98	40.96	-13.04	54	29.94	31.94	6.41	27.33	100	257	A	H
	*	5710	102.94	-	-	91.75	32.24	6.42	27.47	100	257	P	H
	*	5710	95.41	-	-	84.22	32.24	6.42	27.47	100	257	A	H
		5872.25	51.05	-17.15	68.2	39.6	32.59	6.45	27.59	100	257	P	H
		5419.81	50.91	-23.09	74	39.95	31.9	6.4	27.34	100	109	P	V
		5468.95	50.56	-17.64	68.2	39.5	31.98	6.41	27.33	100	109	P	V
		5459.98	40.92	-13.08	54	29.9	31.94	6.41	27.33	100	109	A	V
	*	5710	96.6	-	-	85.41	32.24	6.42	27.47	100	109	P	V
	*	5710	88.96	-	-	77.77	32.24	6.42	27.47	100	109	A	V
		5942.25	51	-17.2	68.2	39.35	32.78	6.51	27.64	100	109	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	46.82	-27.18	74	51.99	39.96	10.65	55.78	-	-	P	H
		17130	48.5	-19.7	68.2	51.55	40.43	12.53	56.01	-	-	P	H
		18000	56.43	-17.57	74	51.45	48.5	13.2	56.72	-	-	P	H
		18000	46.23	-7.77	54	41.25	48.5	13.2	56.72	-	-	A	H
		11420	47.69	-26.31	74	52.86	39.96	10.65	55.78	-	-	P	V
		17130	49.95	-18.25	68.2	53	40.43	12.53	56.01	-	-	P	V
		18000	56.19	-17.81	74	51.21	48.5	13.2	56.72	-	-	P	V
		18000	46.11	-7.89	54	41.13	48.5	13.2	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5458.03	50.23	-23.77	74	39.22	31.93	6.41	27.33	100	259	P	H
		5460.76	50.51	-17.69	68.2	39.49	31.94	6.41	27.33	100	259	P	H
		5459.59	41.07	-12.93	54	30.05	31.94	6.41	27.33	100	259	A	H
	*	5690	101.09	-	-	89.99	32.14	6.42	27.46	100	259	P	H
	*	5690	92.66	-	-	81.56	32.14	6.42	27.46	100	259	A	H
		5909.2	52.28	-15.92	68.2	40.69	32.72	6.48	27.61	100	259	P	H
		5420.98	50.24	-23.76	74	39.28	31.9	6.4	27.34	100	109	P	V
		5468.56	50.79	-17.41	68.2	39.74	31.97	6.41	27.33	100	109	P	V
		5459.59	40.97	-13.03	54	29.95	31.94	6.41	27.33	100	109	A	V
	*	5690	95.08	-	-	83.98	32.14	6.42	27.46	100	109	P	V
	*	5690	86.51	-	-	75.41	32.14	6.42	27.46	100	109	A	V
		5854.9	52.05	-16.15	68.2	40.67	32.52	6.44	27.58	100	109	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	48.31	-25.69	74	53.6	39.86	10.63	55.78	-	-	P	H
		17070	48.38	-19.82	68.2	51.36	40.43	12.49	55.9	-	-	P	H
		17978	56.16	-17.84	74	51.78	47.91	13.19	56.72	-	-	P	H
		17978	46.14	-7.86	54	41.76	47.91	13.19	56.72	-	-	A	H
		11380	46.92	-27.08	74	52.21	39.86	10.63	55.78	-	-	P	V
		17070	47.76	-20.44	68.2	50.74	40.43	12.49	55.9	-	-	P	V
		18000	55.58	-18.42	74	50.6	48.5	13.2	56.72	-	-	P	V
		18000	46.03	-7.97	54	41.05	48.5	13.2	56.72	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. 4. The emission level close to 18GHz is checked that the average emission level is noise floor only.												

Emission above 18GHz

5GHz WIFI 802.11ac VHT80 (SHF)

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)
		33312	44.02	-24.18	68.2	40.49	40.84	16.95	54.26	-	-	P	H
		38020	47.52	-20.68	68.2	41.48	43.14	18.98	56.08	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		31178	44.75	-23.45	68.2	43.99	40.49	15.91	55.64	-	-	P	V
SHF		37074	46.36	-21.84	68.2	42.19	42.79	18.42	57.04	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

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)
		30.97	23.97	-16.03	40	29.88	23.85	0.51	32.23	-	-	P	H
		97.9	26.42	-17.08	43.5	41.71	15.72	0.87	32.23	-	-	P	H
		187.14	22.59	-20.91	43.5	38.51	14.78	1.18	32.26	-	-	P	H
		571.26	26.38	-19.62	46	30.44	25.82	2.04	32.4	-	-	P	H
		809.88	30.54	-15.46	46	31.38	27.56	2.42	31.29	-	-	P	H
		954.41	32.53	-13.47	46	29.9	30.51	2.6	30.77	-	-	P	H
													H
													H
													H
													H
5GHz													H
802.11ac													H
VHT80		30	24.8	-15.2	40	29.83	24.57	0.5	32.22	-	-	P	V
LF		47.46	19.44	-20.56	40	35	15.34	0.62	32.28	-	-	P	V
		120.21	19.68	-23.82	43.5	33.03	17.5	0.96	32.24	-	-	P	V
		565.44	27.02	-18.98	46	30.97	25.91	2.03	32.36	-	-	P	V
		797.27	30.09	-15.91	46	30.76	27.79	2.4	31.34	-	-	P	V
		953.44	32.87	-13.13	46	30.27	30.47	2.6	30.77	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

1. No other spurious found.
2. All results are PASS against limit line.
3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.

Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

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

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

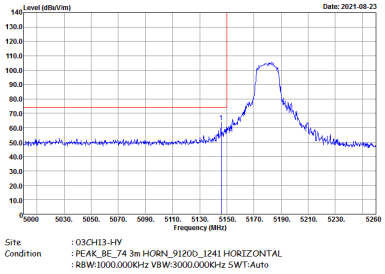
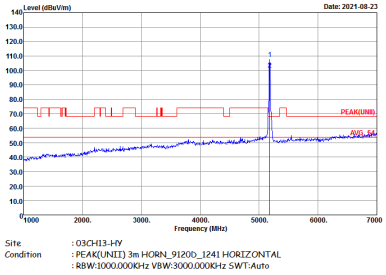
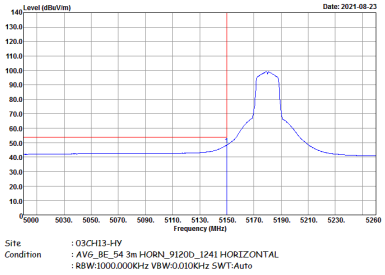
Test Engineer :	Yuan Lee, Jacky Hong and Wilson Wu	**Temperature :**	20~25°C
		Relative Humidity :	50~60%

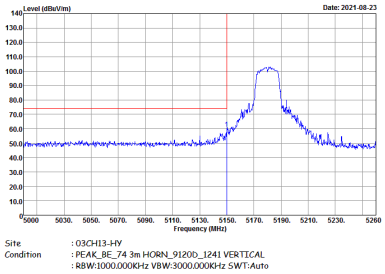
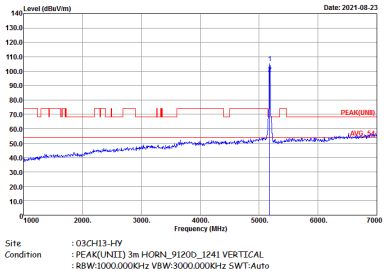
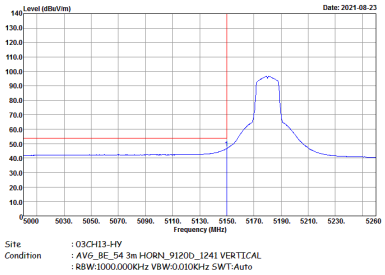
Note symbol

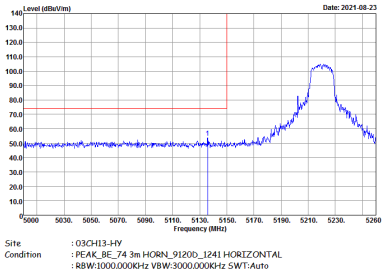
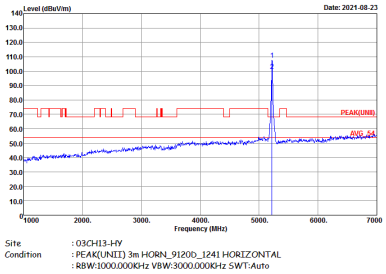
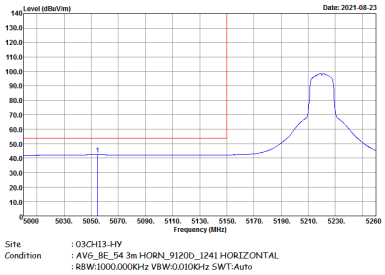
-L	**Low channel location**
-R	**High channel location**

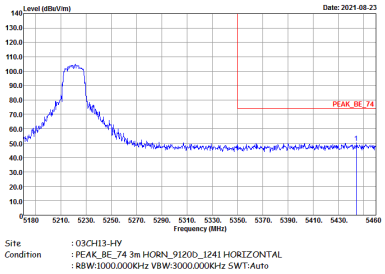
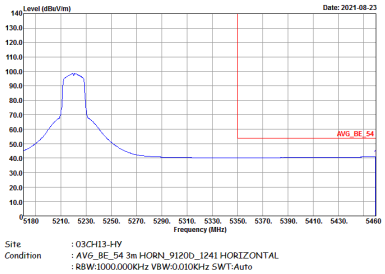
Band 1 - 5150~5250MHz

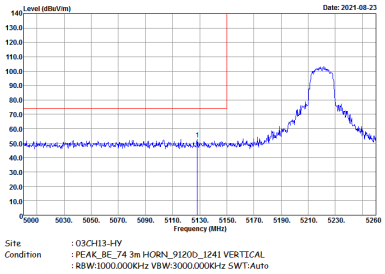
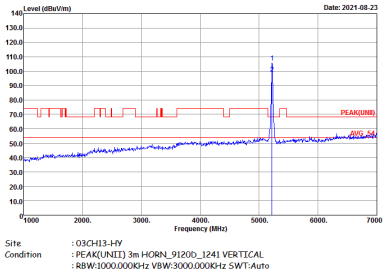
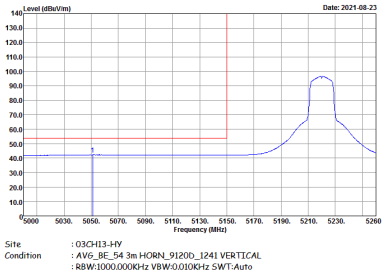
WIFI 802.11a (Band Edge @ 3m)

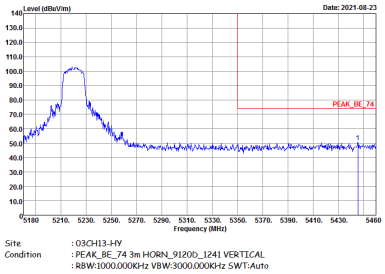
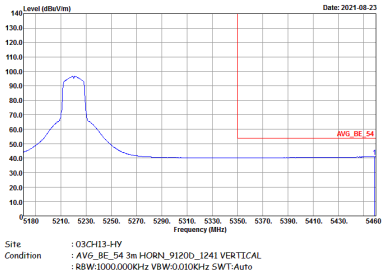
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

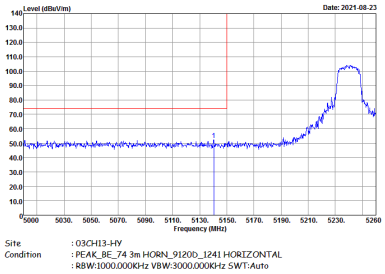
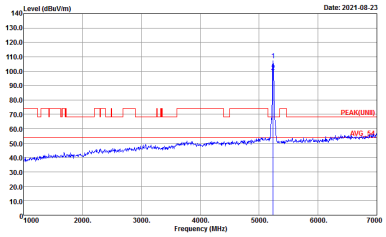
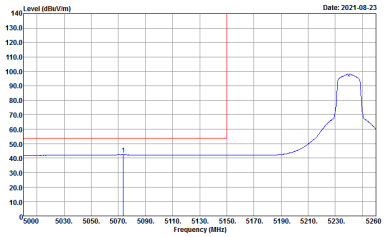
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

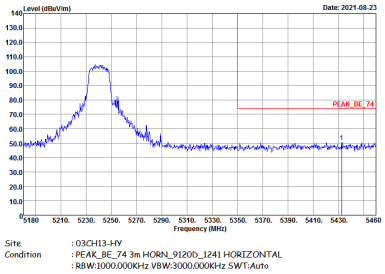
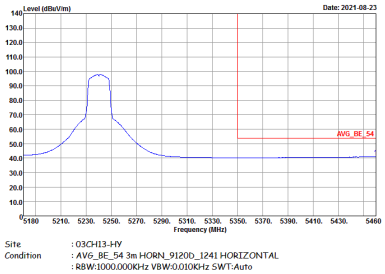
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

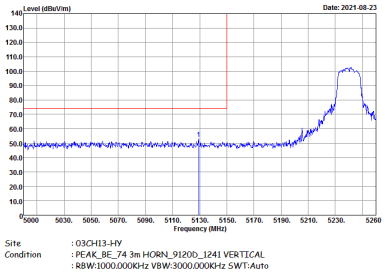
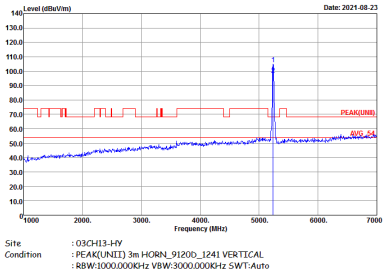
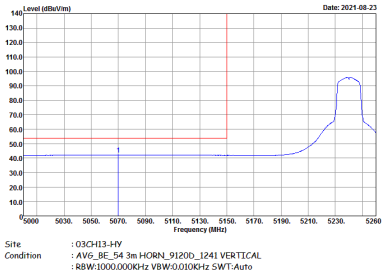
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

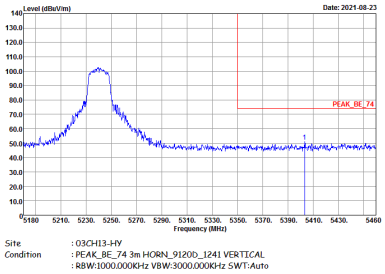
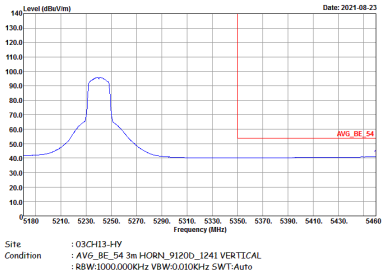
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

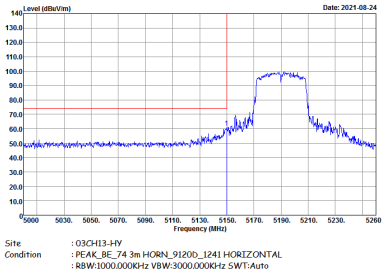
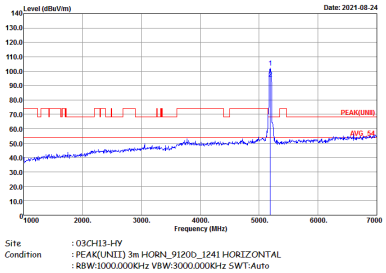
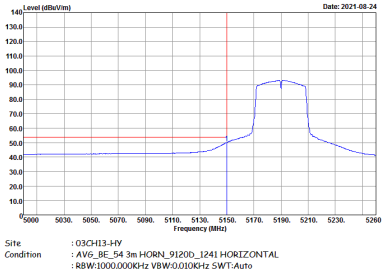
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

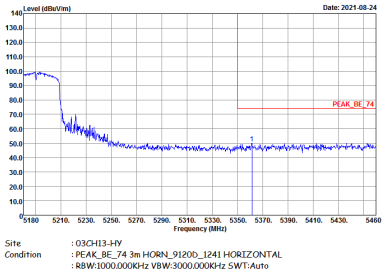
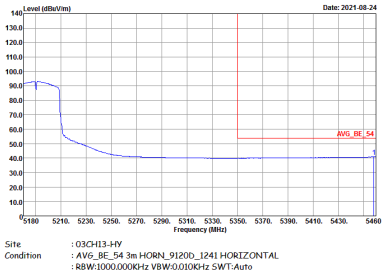
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

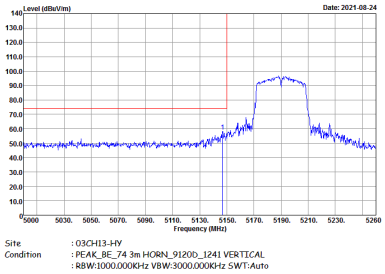
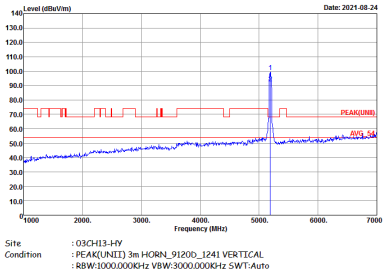
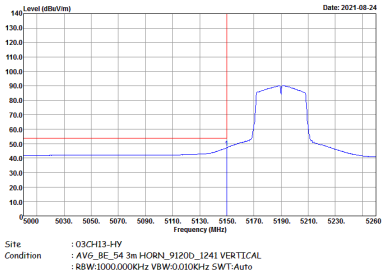
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

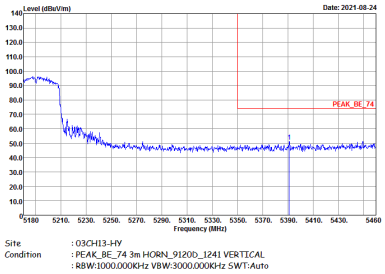
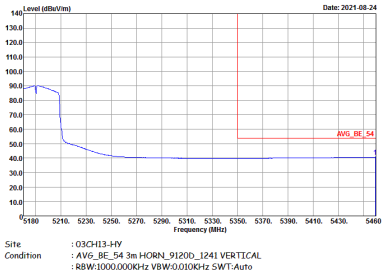
Band 1 5150~5250MHz

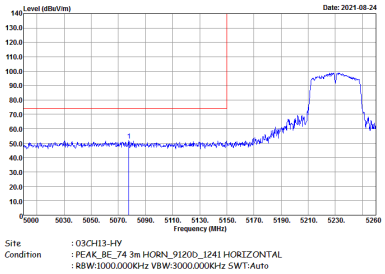
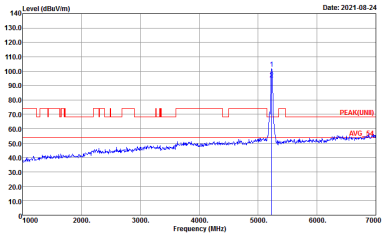
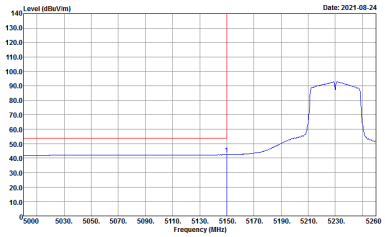
WIFI 802.11n HT40 (Band Edge @ 3m)

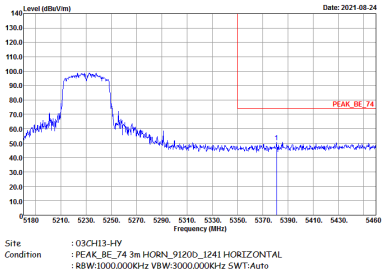
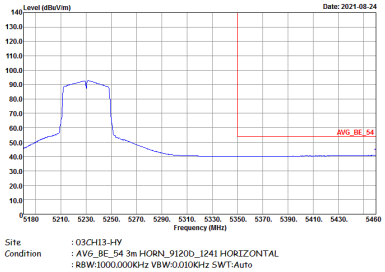
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

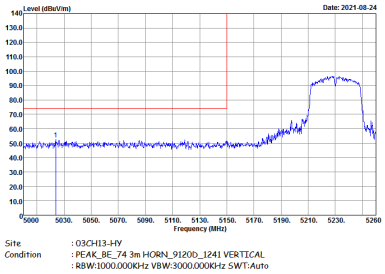
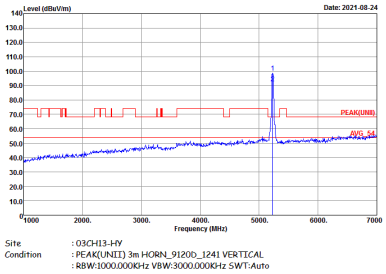
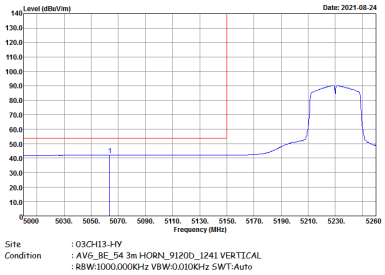
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

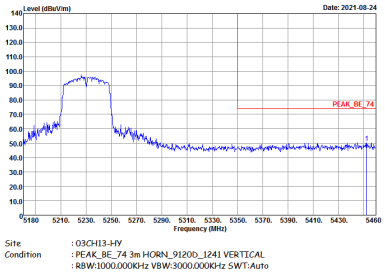
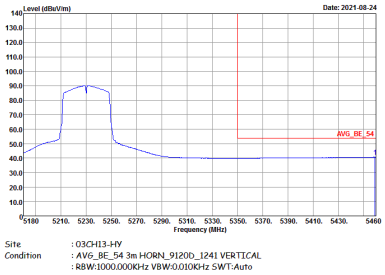
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HV Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

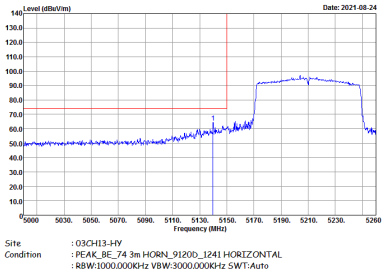
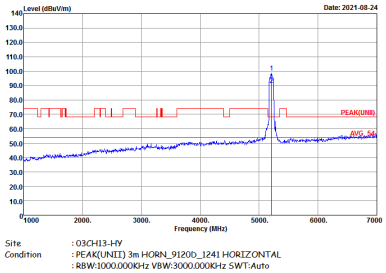
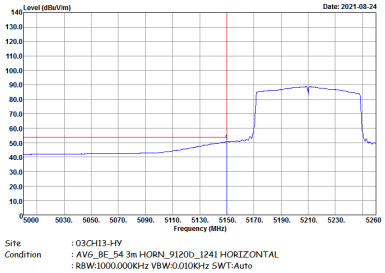
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

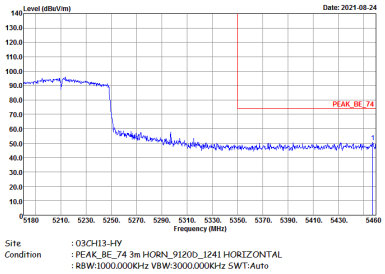
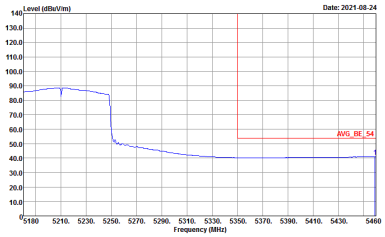
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

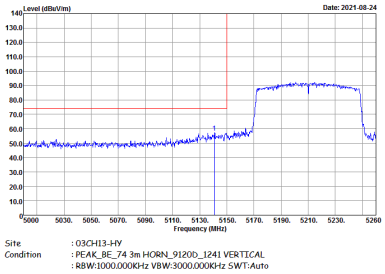
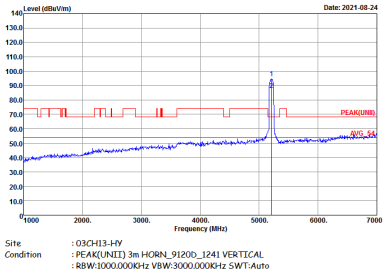
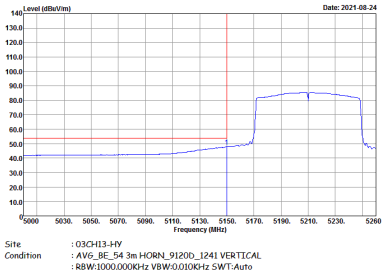
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

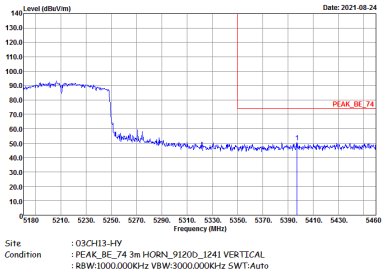
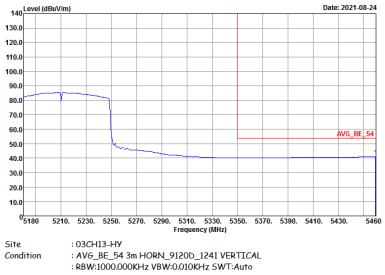
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

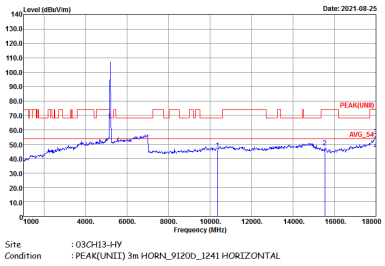
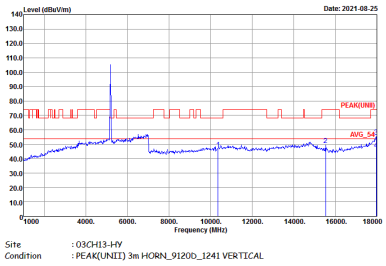
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

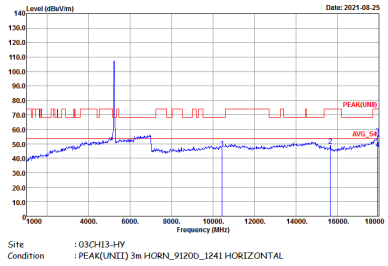
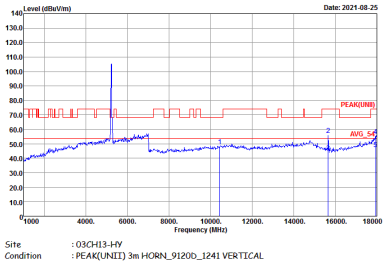
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

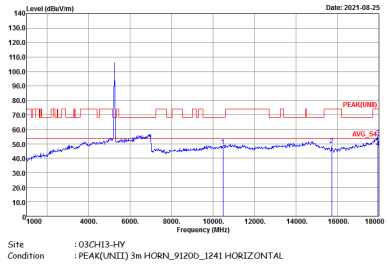
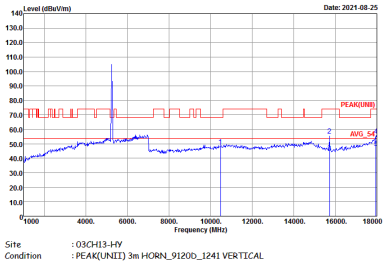
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

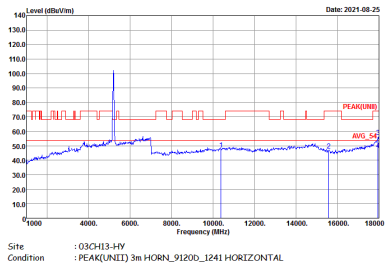
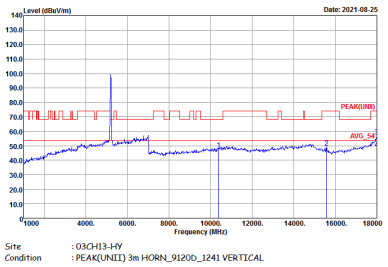
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.		

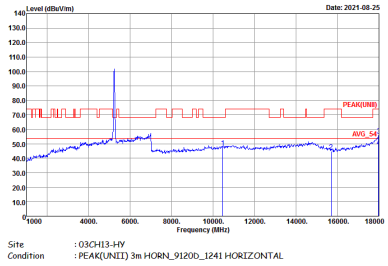
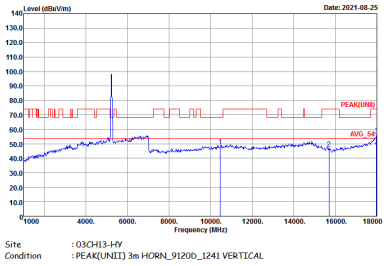
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 1 5150~5250MHz

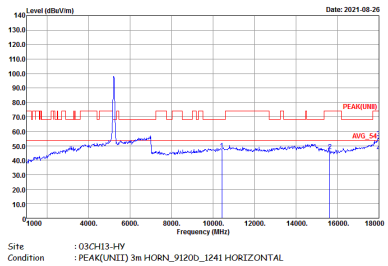
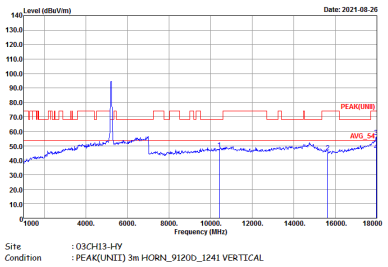
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

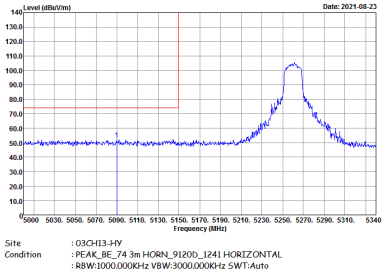
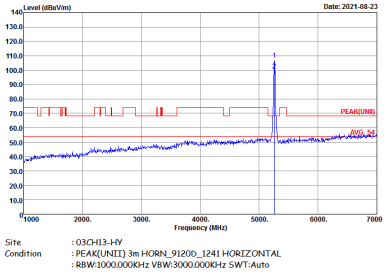
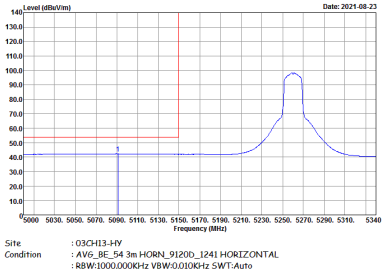
Band 1 5150~5250MHz

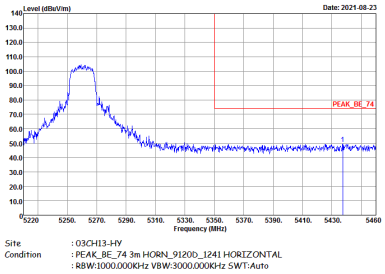
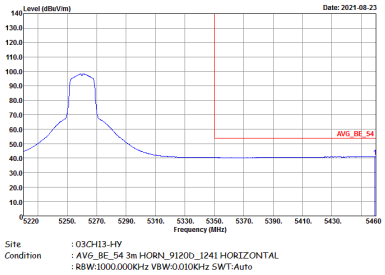
WIFI 802.11ac VHT80 (Harmonic @ 3m)

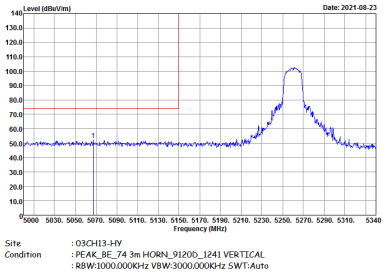
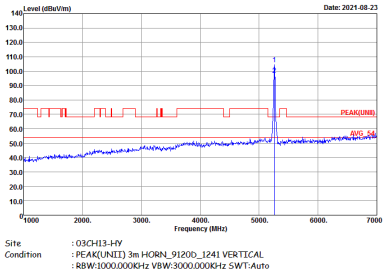
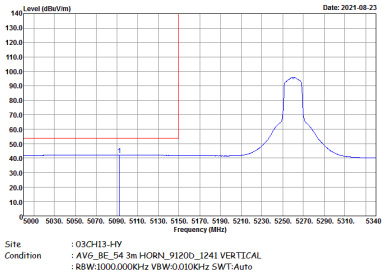
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.		

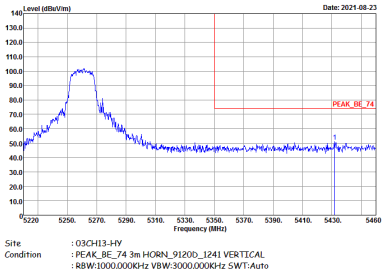
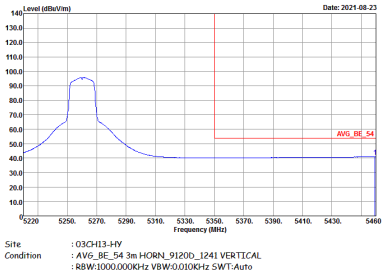
Band 2 - 5250~5350MHz

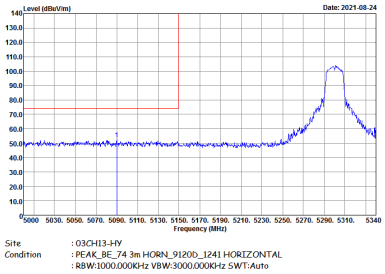
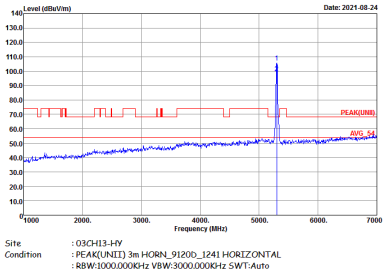
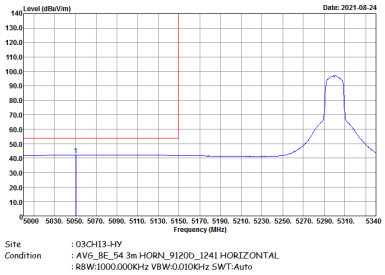
WIFI 802.11a (Band Edge @ 3m)

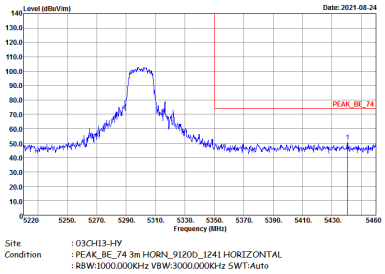
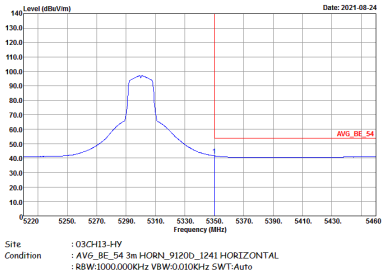
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

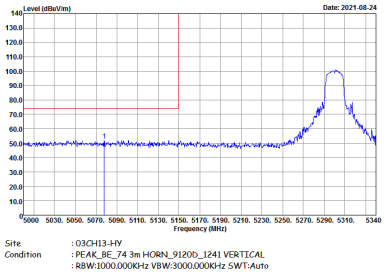
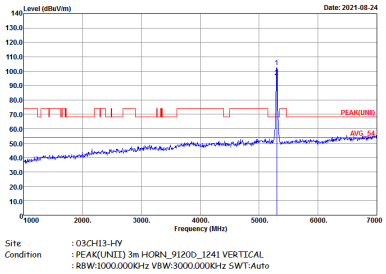
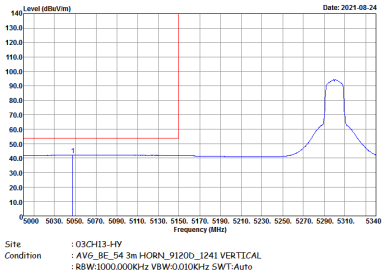
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

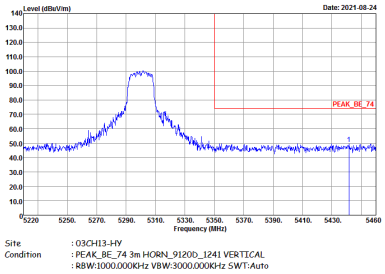
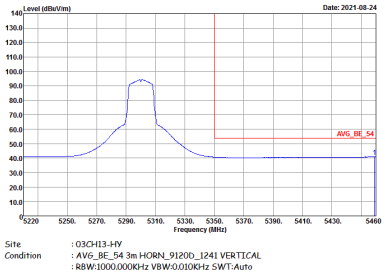
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

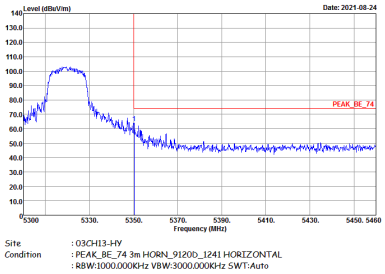
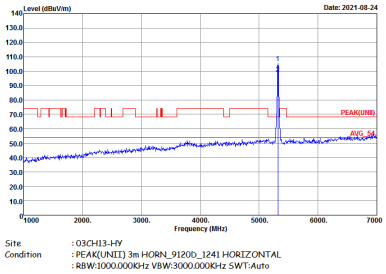
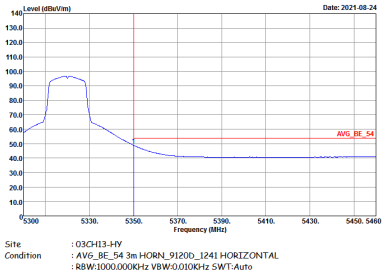
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

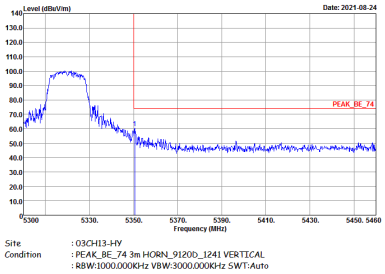
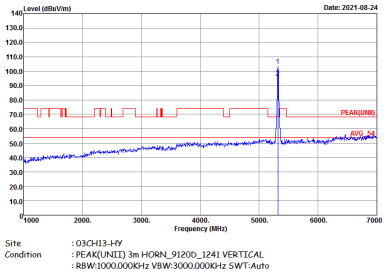
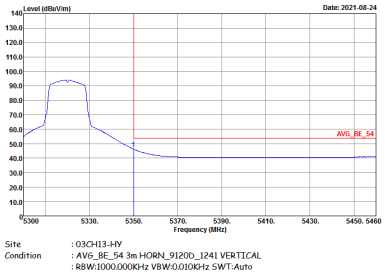
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

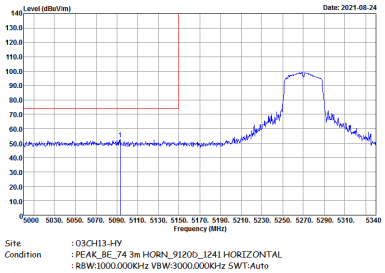
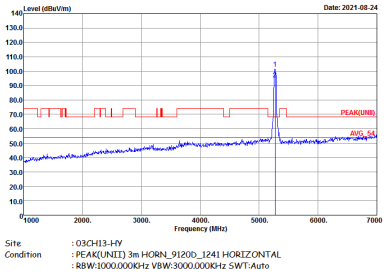
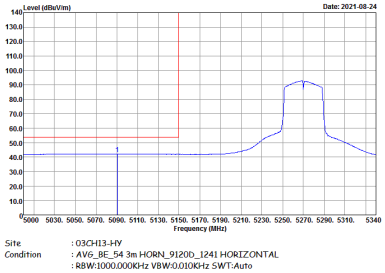
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

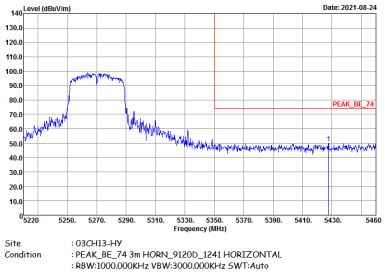
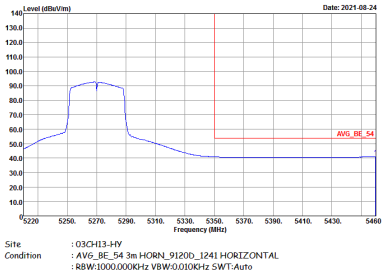
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

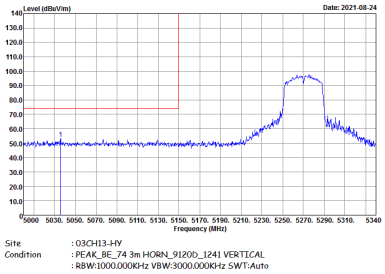
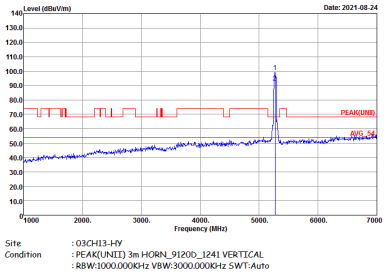
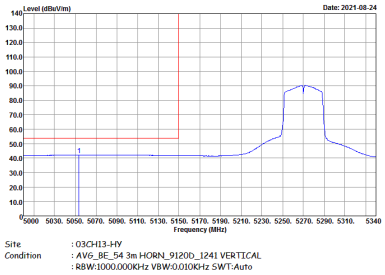
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

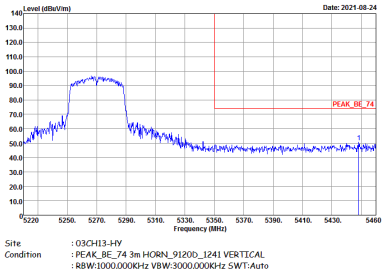
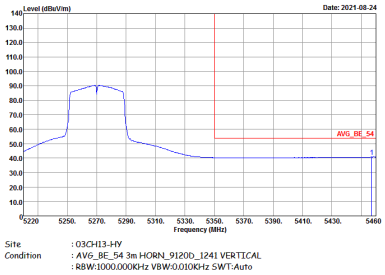
Band 2 5250~5350MHz

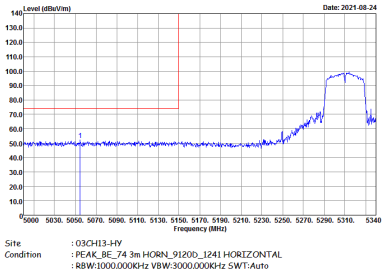
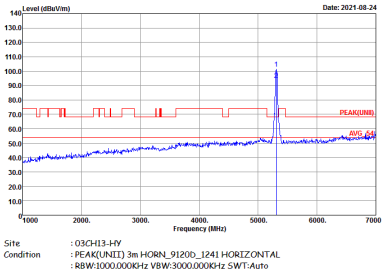
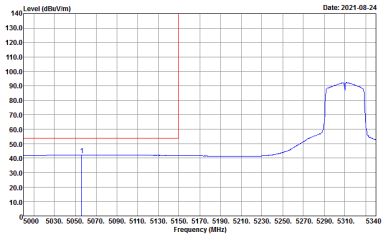
WIFI 802.11n HT40 (Band Edge @ 3m)

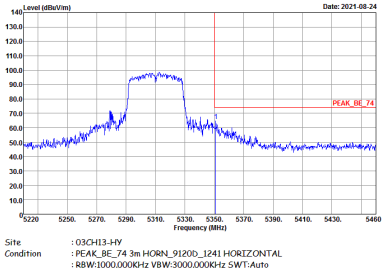
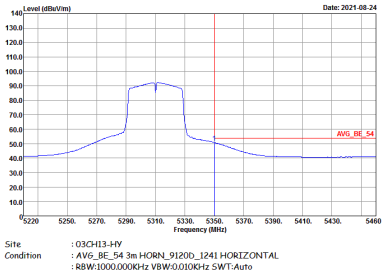
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

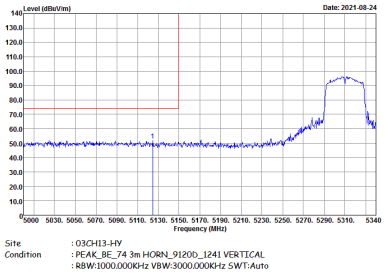
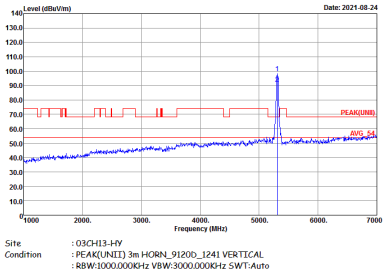
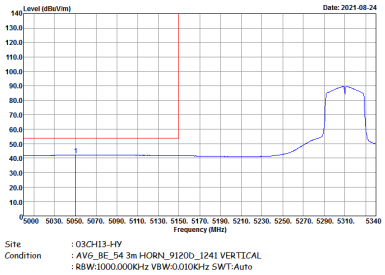
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

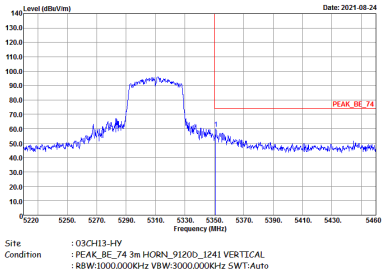
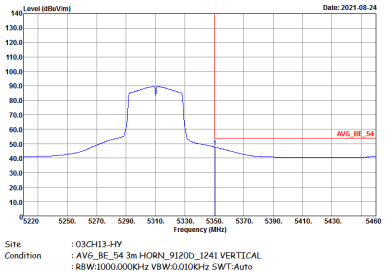
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
1	Vertical	Vertical
Peak		
Avg.		Left blank

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

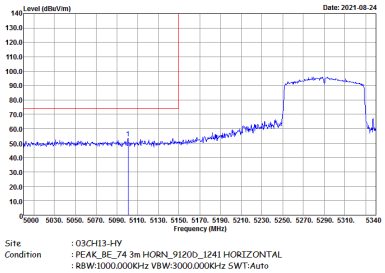
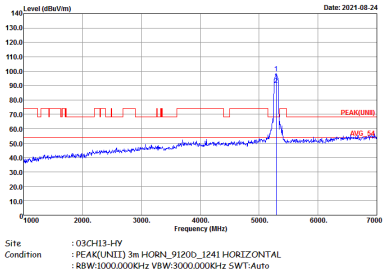
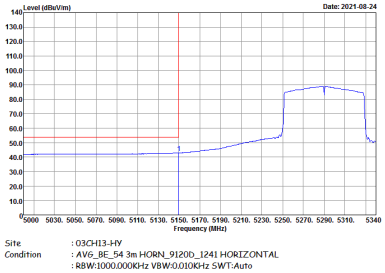
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

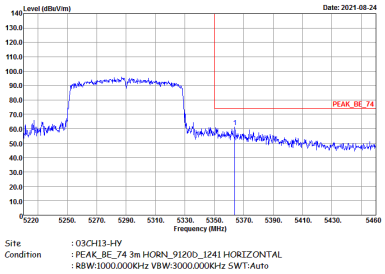
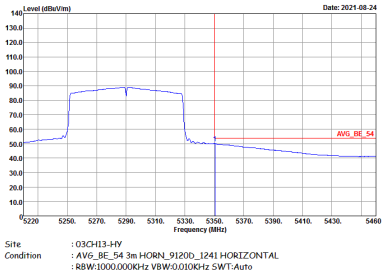
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

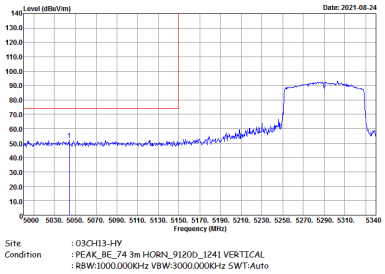
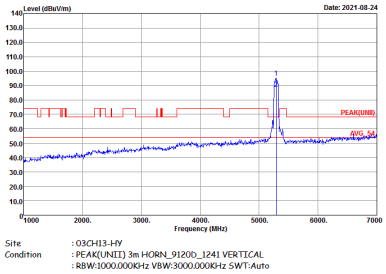
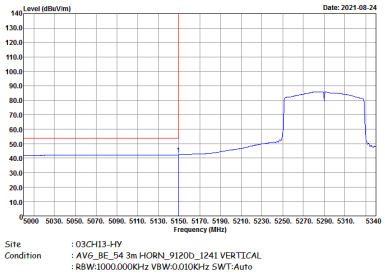
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

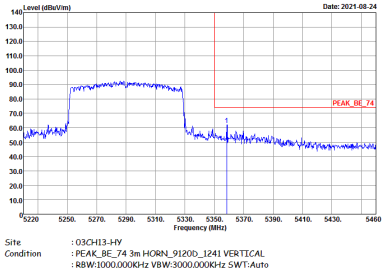
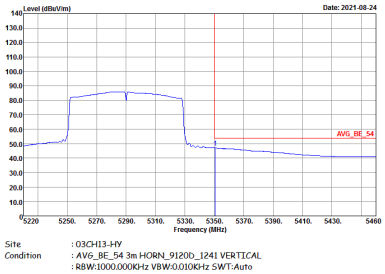
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

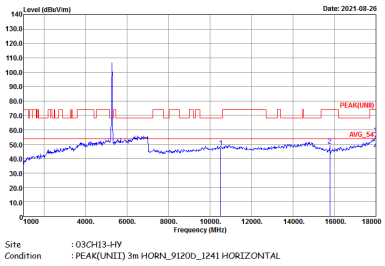
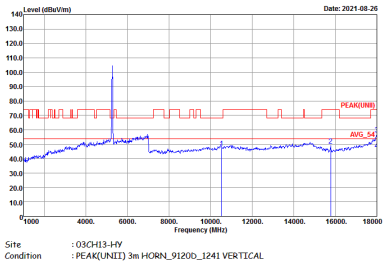
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

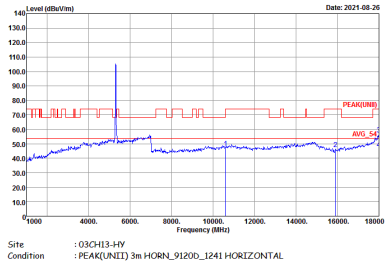
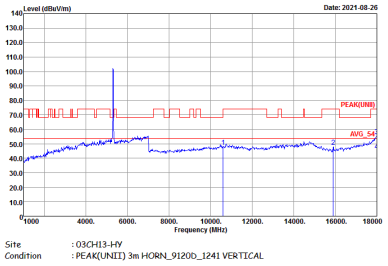
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

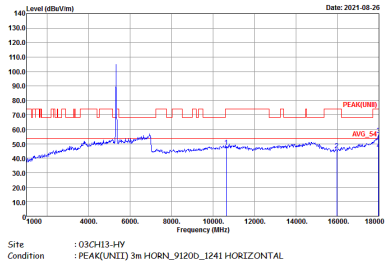
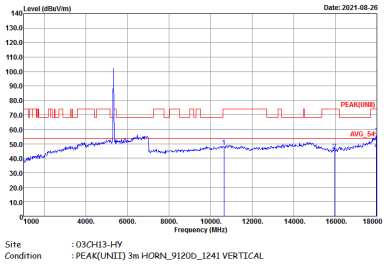
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

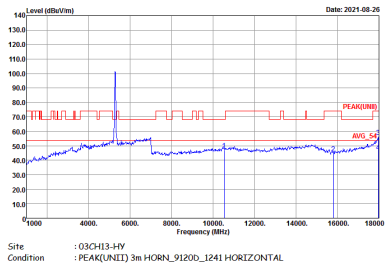
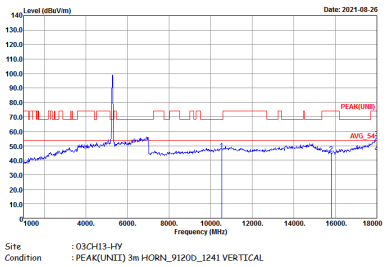
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.		

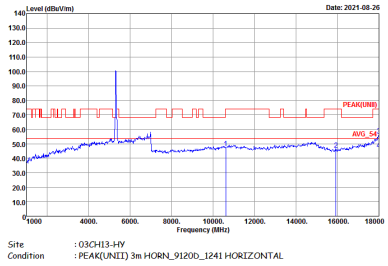
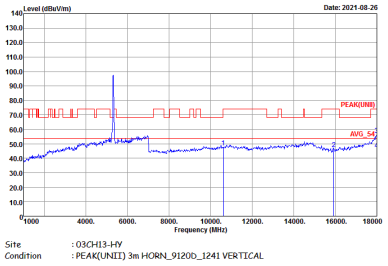
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 2 5250~5350MHz

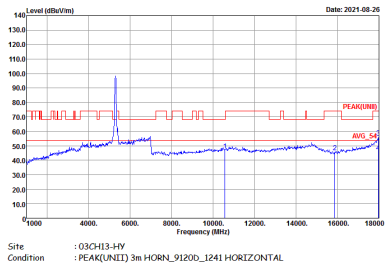
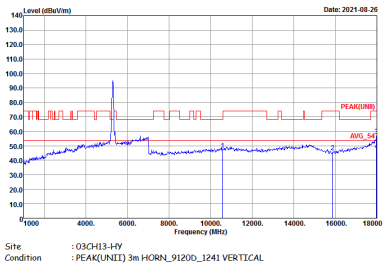
WIFI 802.11n HT40 (Harmonic @ 3m)

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

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

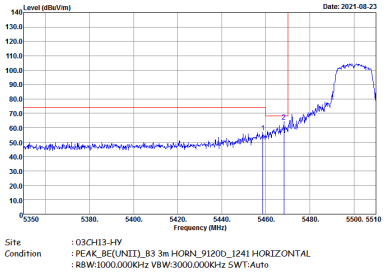
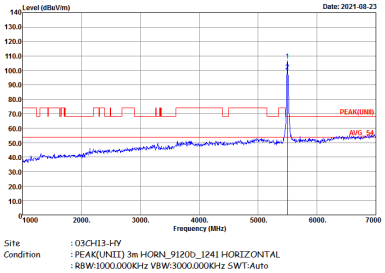
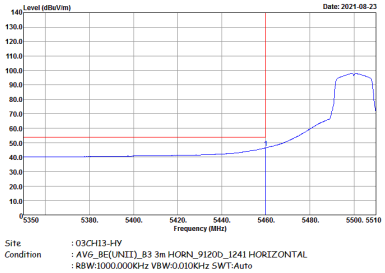
Band 2 5250~5350MHz

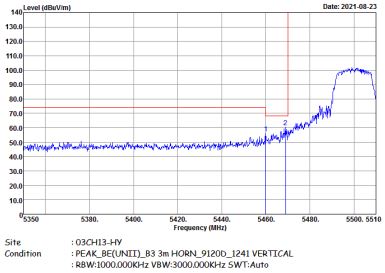
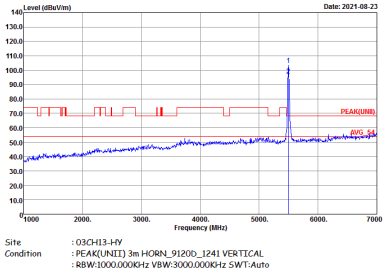
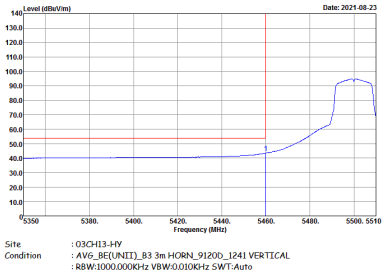
WIFI 802.11ac VHT80 (Harmonic @ 3m)

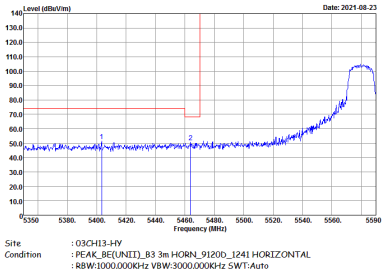
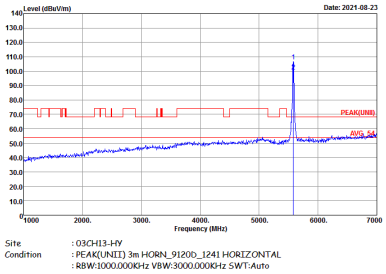
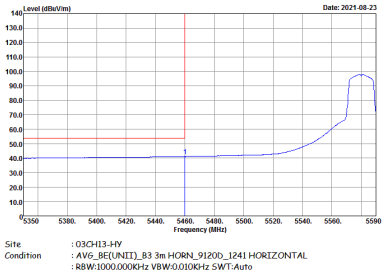
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.		

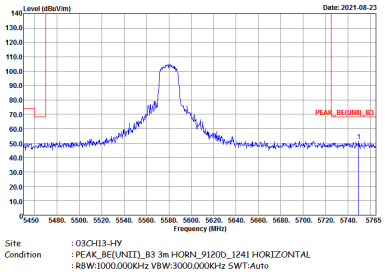
Band 3 - 5470~5725MHz

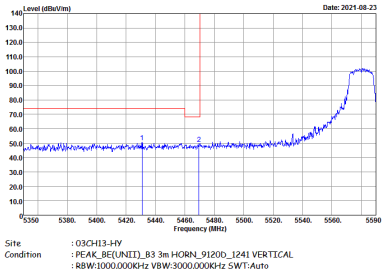
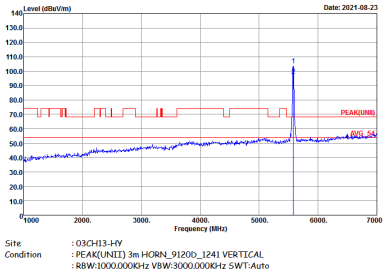
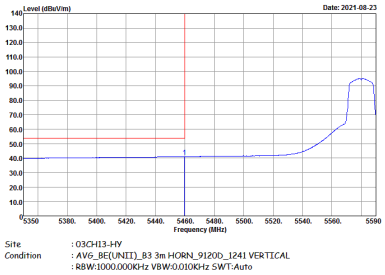
WIFI 802.11a (Band Edge @ 3m)

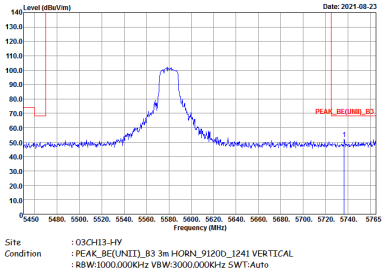
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

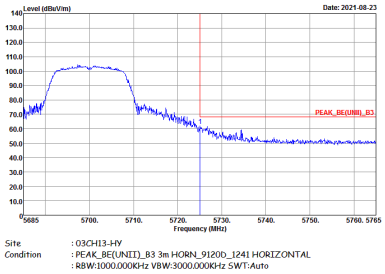
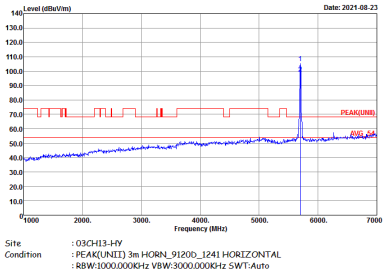
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

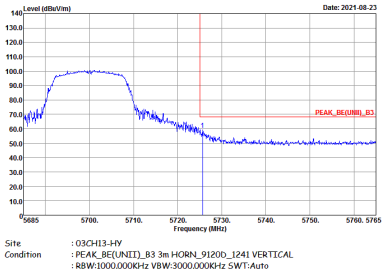
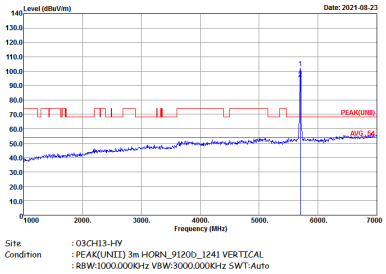
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

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

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

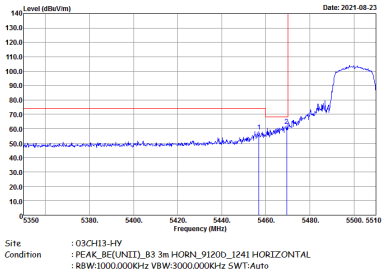
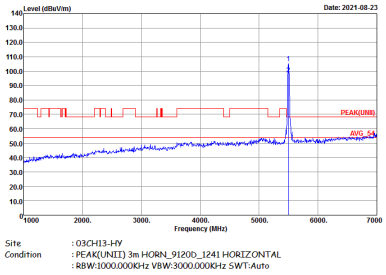
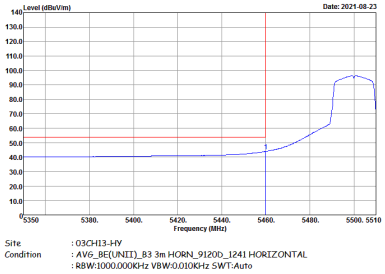
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

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

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

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

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

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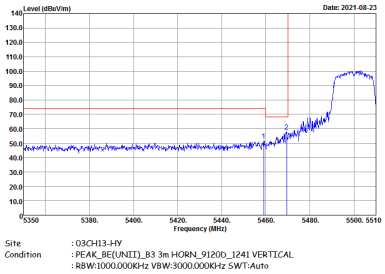
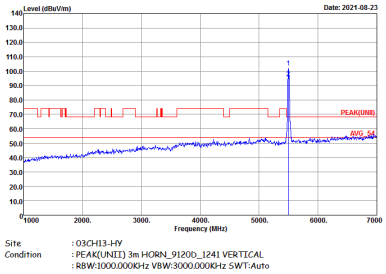
<tr><td>ANT</td><td colspan="2">802.11n HT20 CH100 5500MHz</td></tr>
<tr><td>1</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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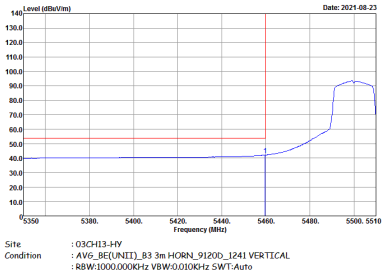
<tr><td>Avg.</td><td> 
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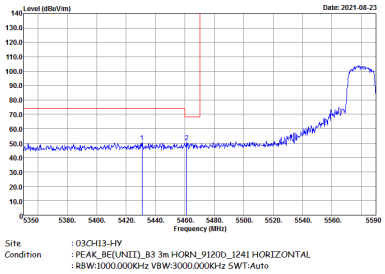
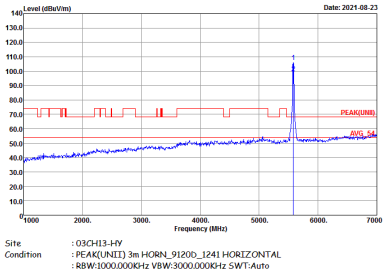
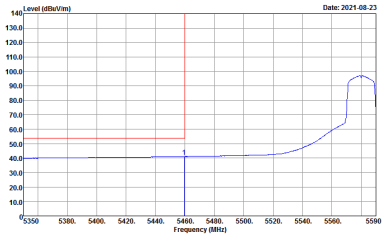
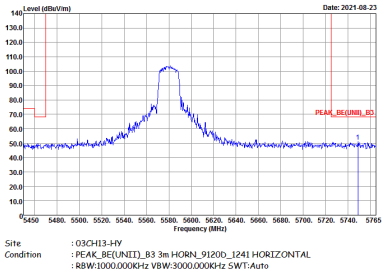
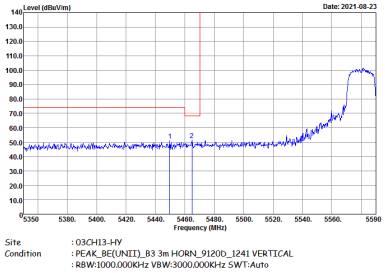
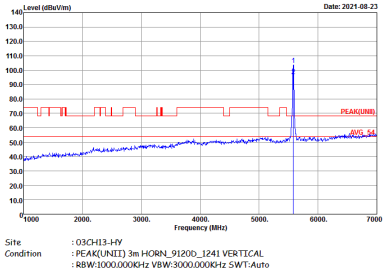
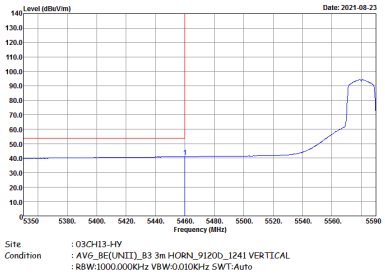
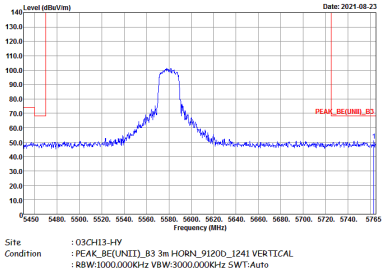
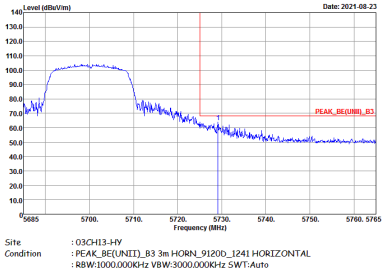
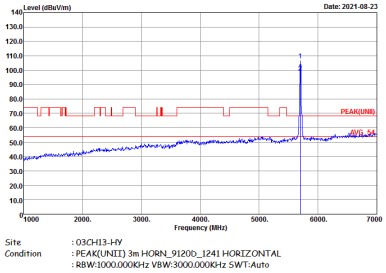
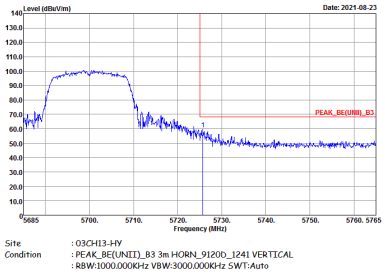
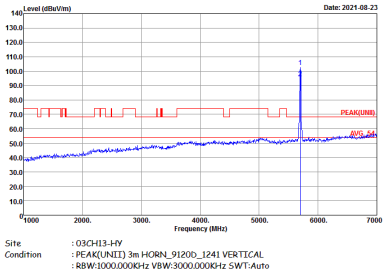
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

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

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

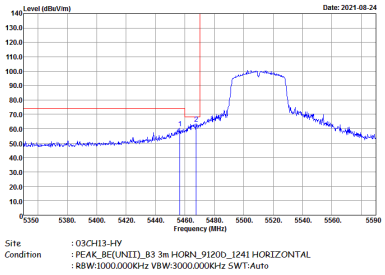
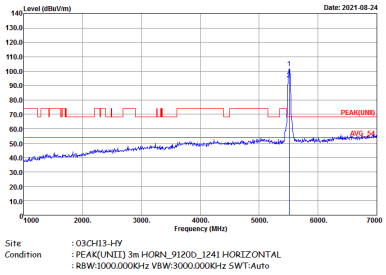
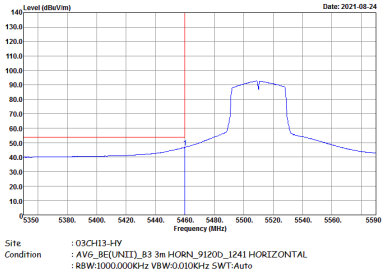
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
Peak		Left blank

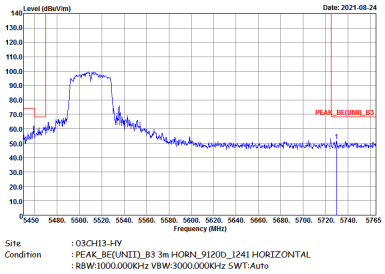
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak		

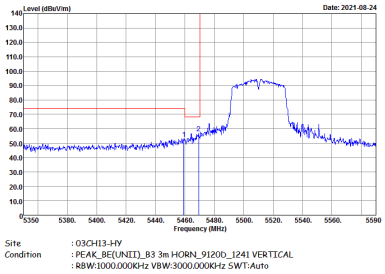
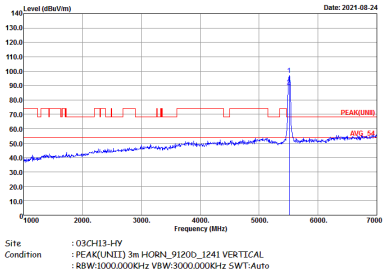
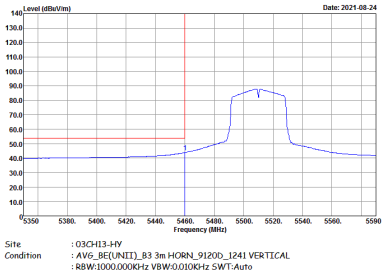
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
Peak.		

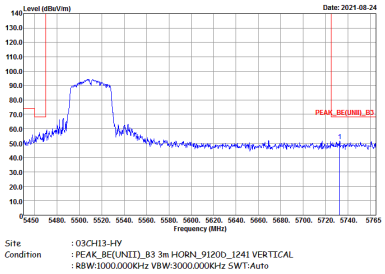
Band 3 5470~5725MHz

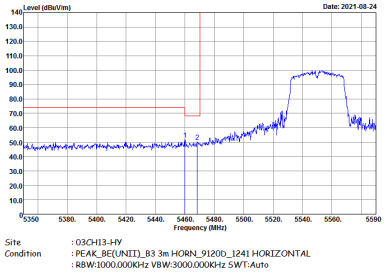
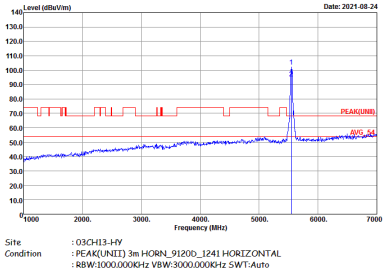
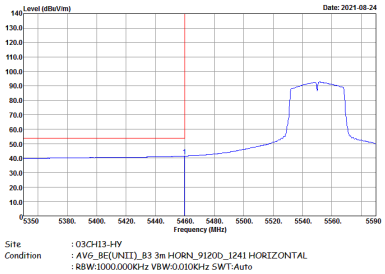
WIFI 802.11n HT40 (Band Edge @ 3m)

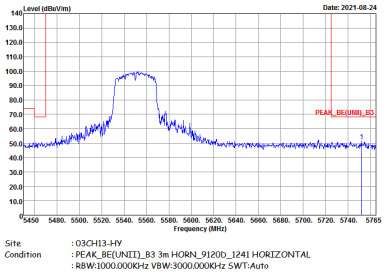
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

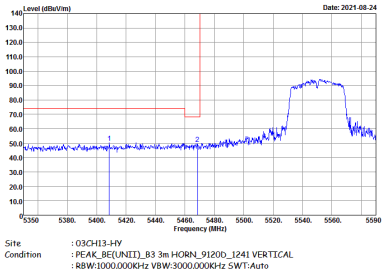
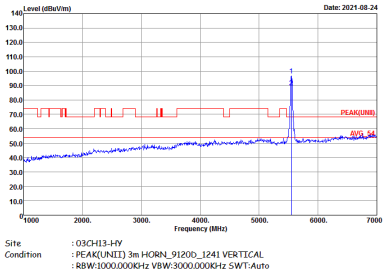
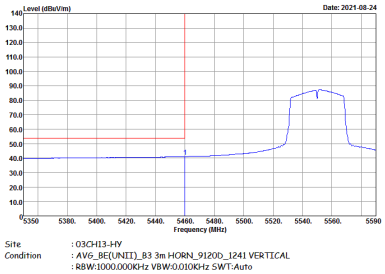
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

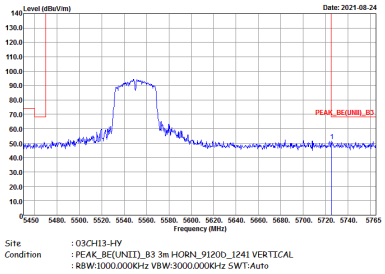
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

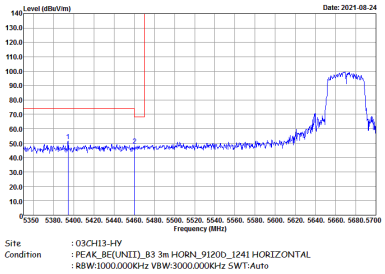
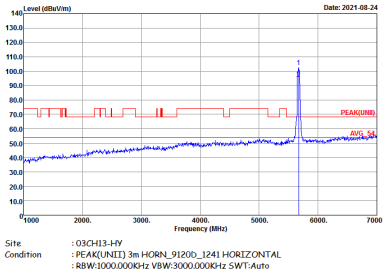
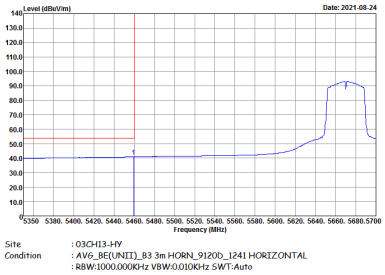
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak		Left blank

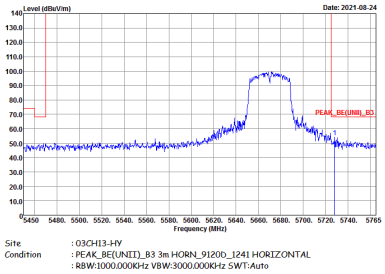
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

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

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

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

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

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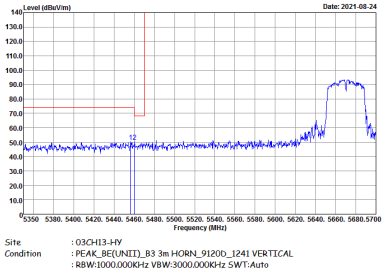
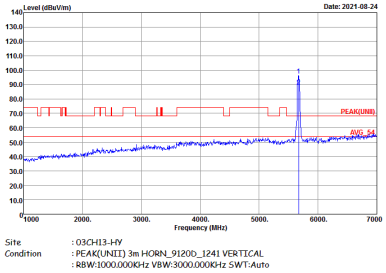
<tr><td>ANT</td><td colspan="2">802.11n HT40 CH134 5670MHz - L</td></tr>
<tr><td>1</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 
</td><td> 
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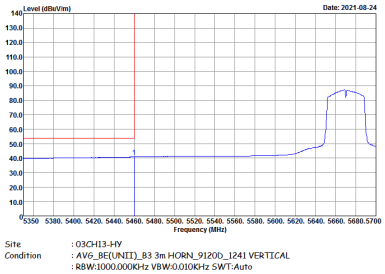
<tr><td>Avg.</td><td> 
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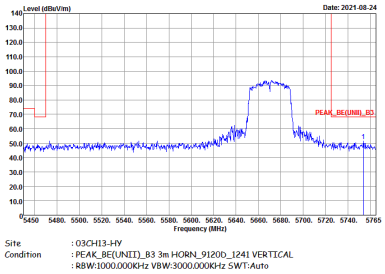
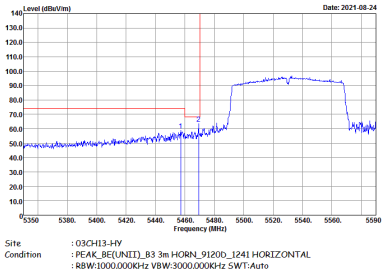
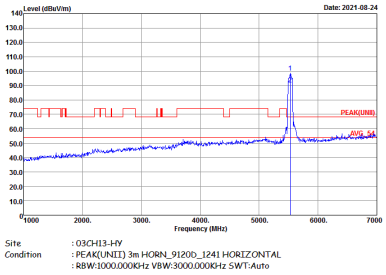
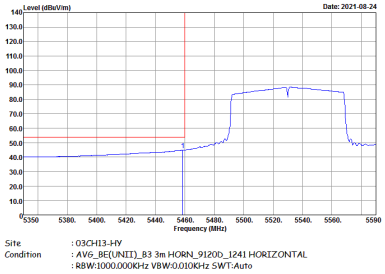
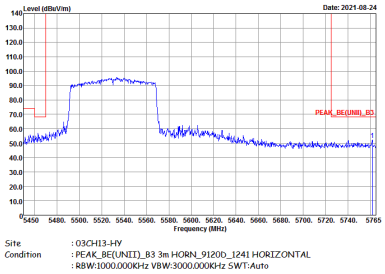
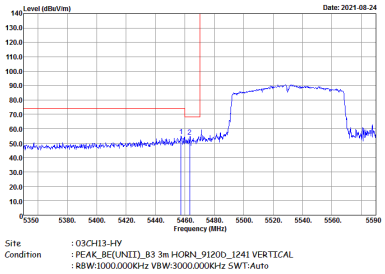
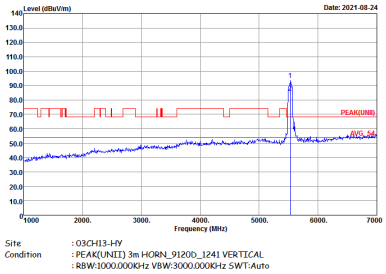
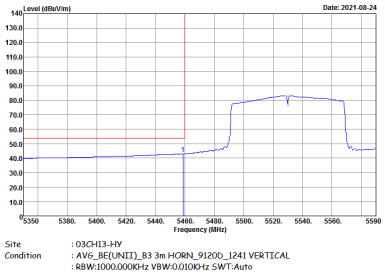
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak		Left blank

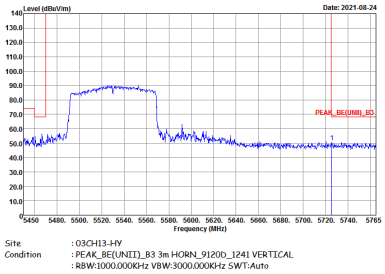
Band 3 5470~5725MHz

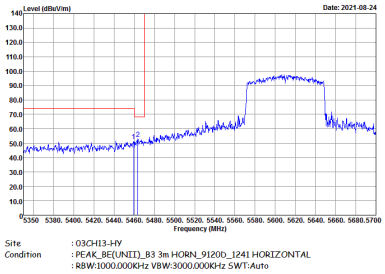
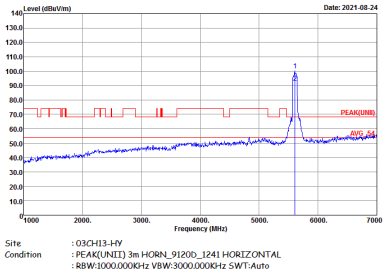
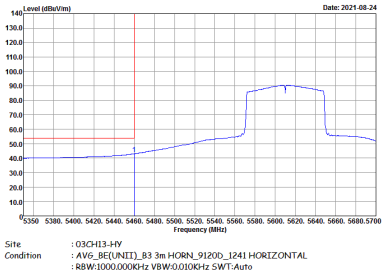
WIFI 802.11ac VHT80 (Band Edge @ 3m)

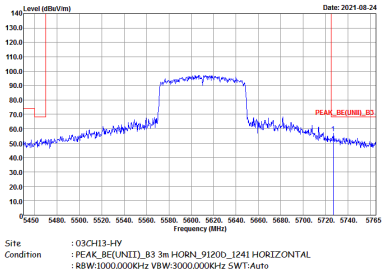
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		Left blank

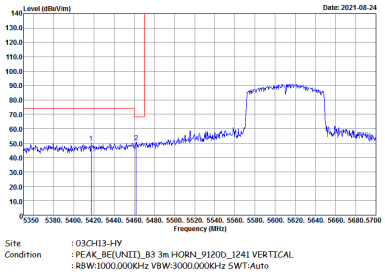
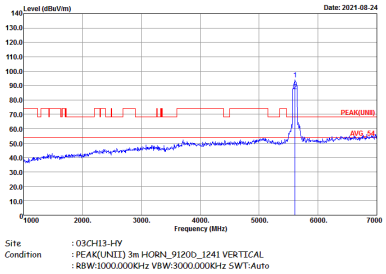
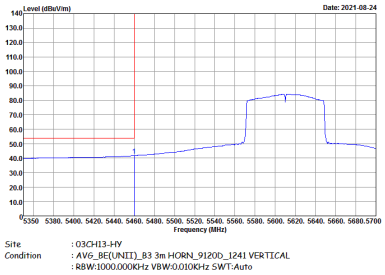
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

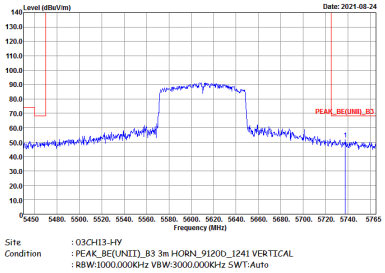
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

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

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

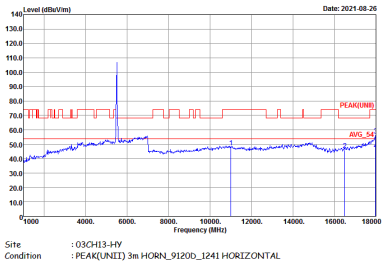
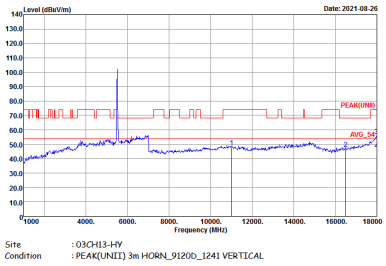
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

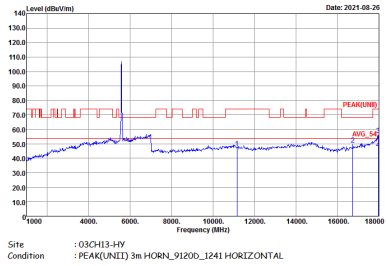
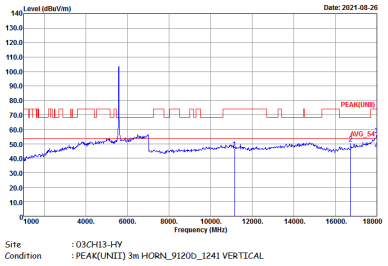
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

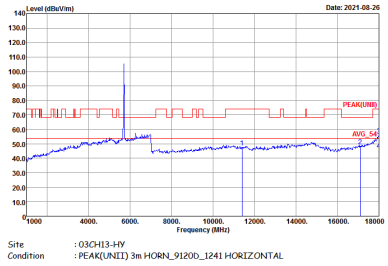
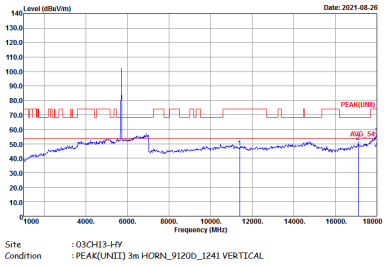
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

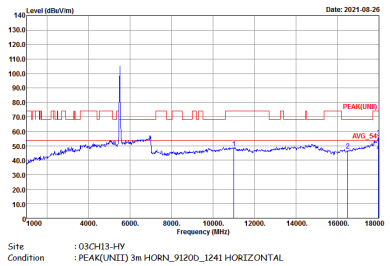
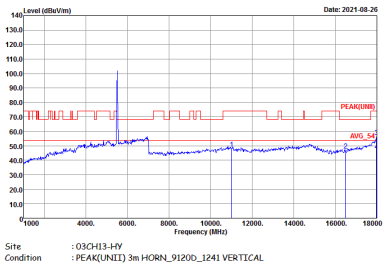
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

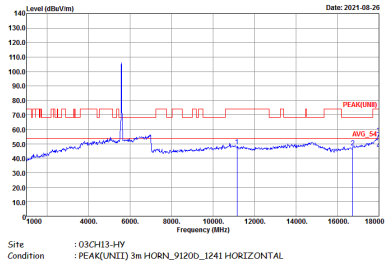
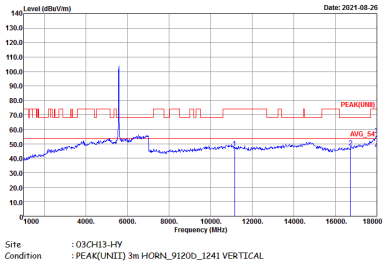
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

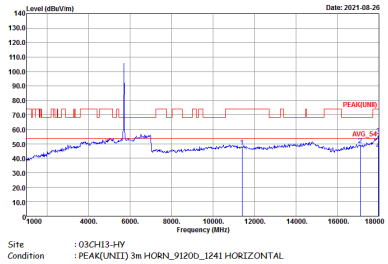
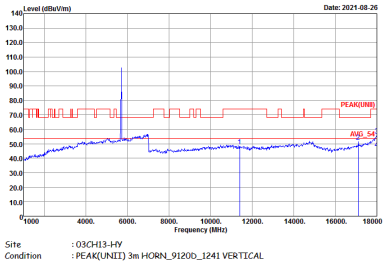
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

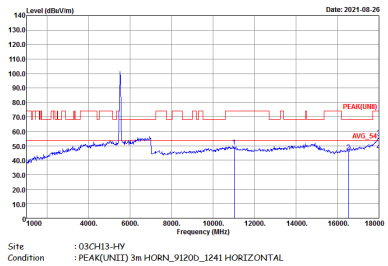
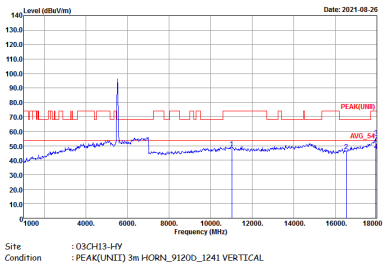
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.		

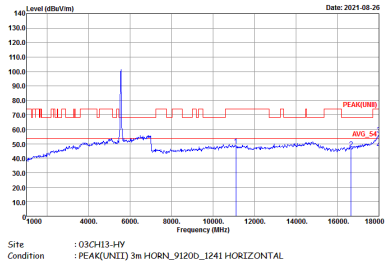
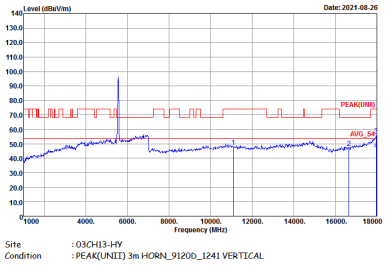
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.		

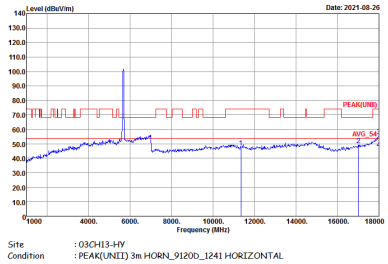
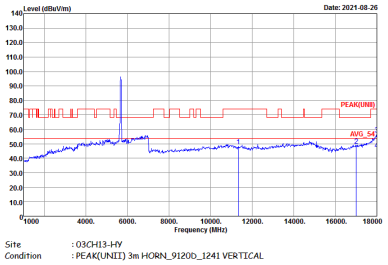
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

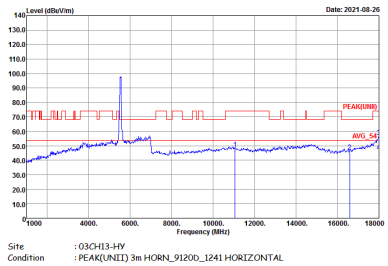
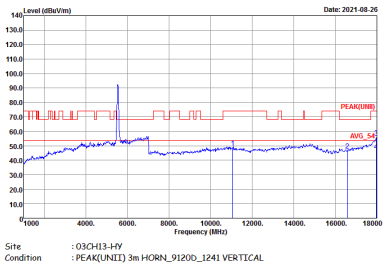
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.		

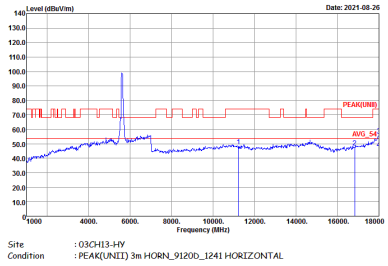
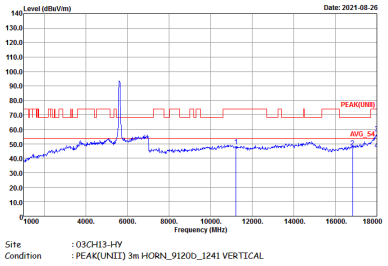
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.		

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

Band 3 5470~5725MHz

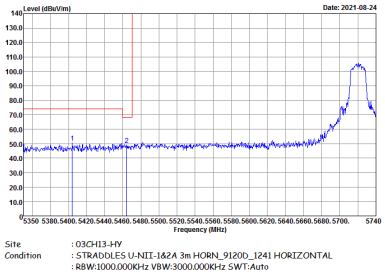
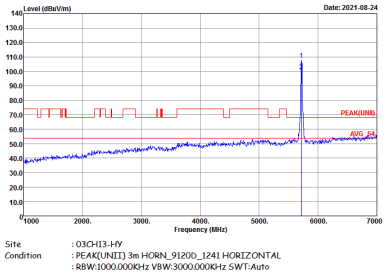
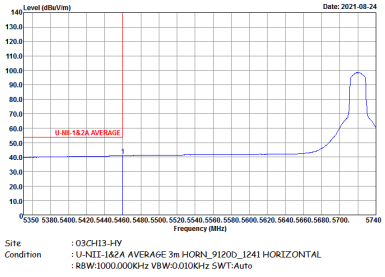
WIFI 802.11ac VHT80 (Harmonic @ 3m)

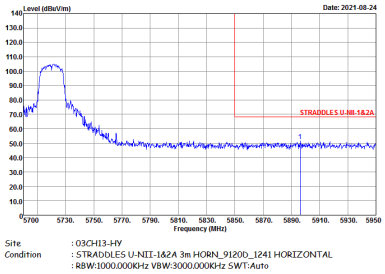
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.		

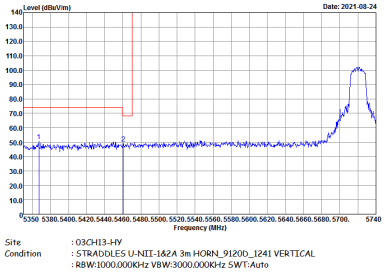
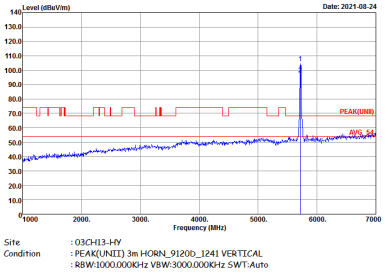
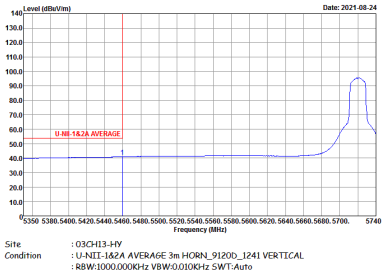
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.		

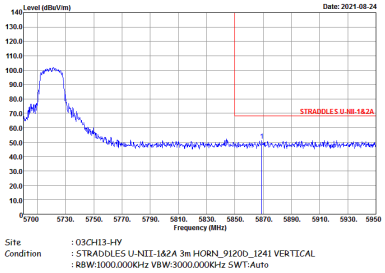
Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

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

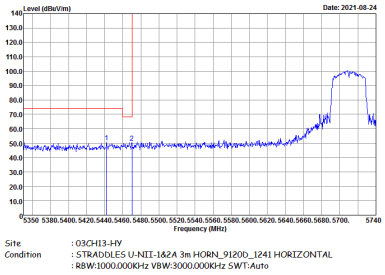
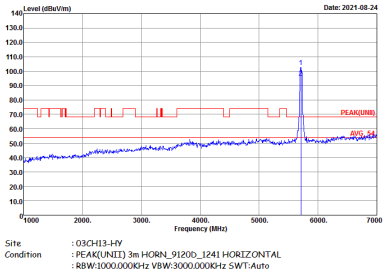
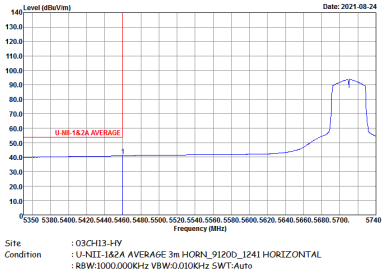
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz – R	
1	Horizontal	Fundamental
Peak		Left blank

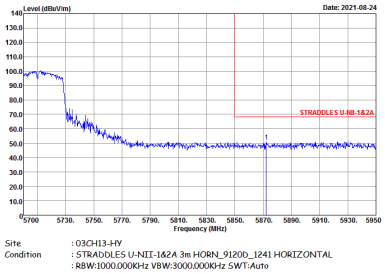
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		Left blank

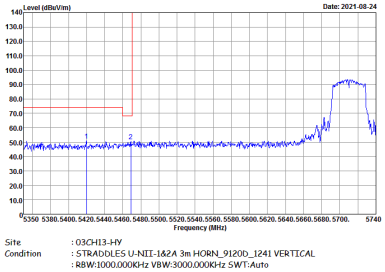
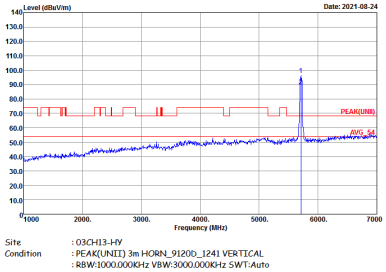
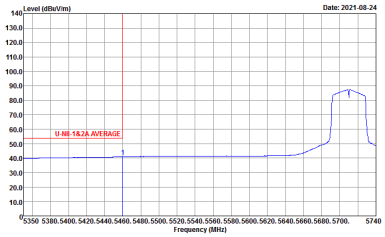
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11a CH144 5720MHz - R	
1	Vertical	Fundamental
Peak		Left blank

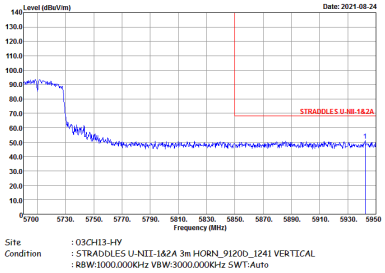
Band 3 – Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

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

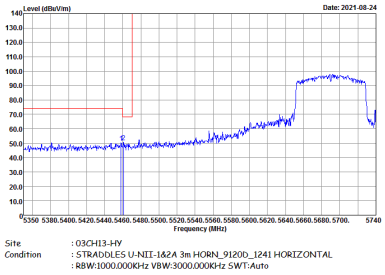
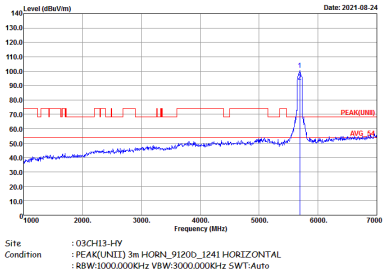
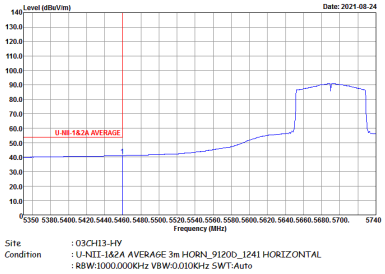
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - R	
1	Horizontal	Fundamental
Peak		Left blank

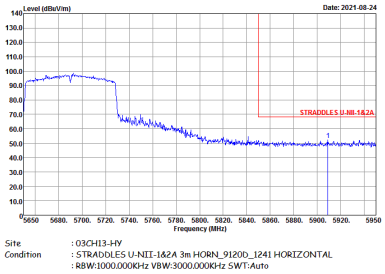
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition : STRADDLES U-NII-1&2A 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH13-HY Condition : U-NII-1&2A AVERAGE 3m HORN_9120D_1241 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

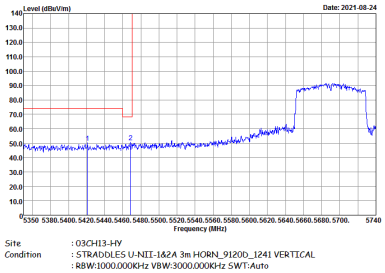
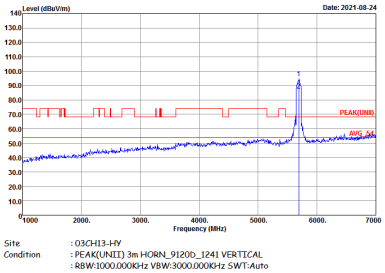
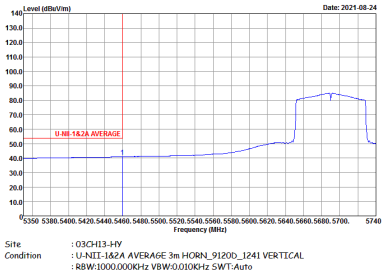
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH142 5710MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

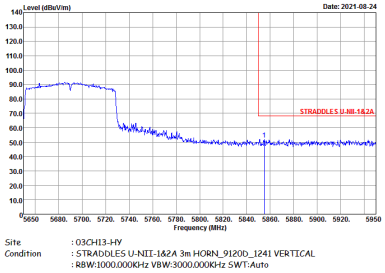
Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

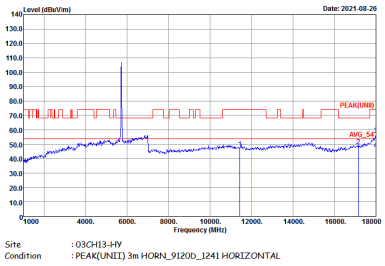
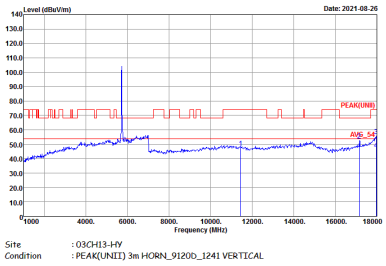
WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11ac CH138 5690MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.	Left blank	Left blank

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

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

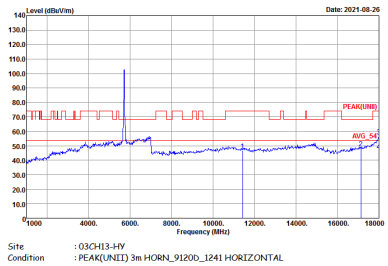
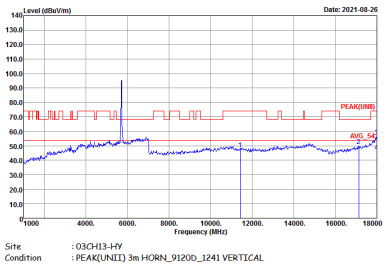
Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

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

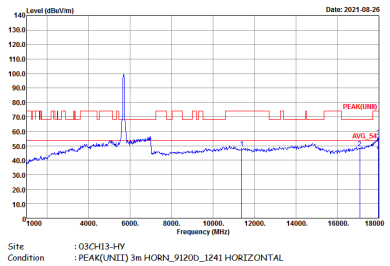
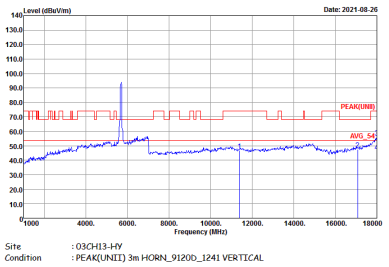
Band 3 – Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.		

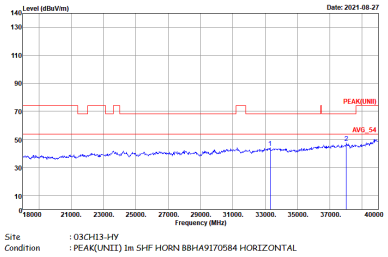
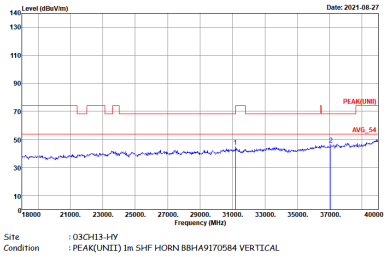
Band 3 – Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.		

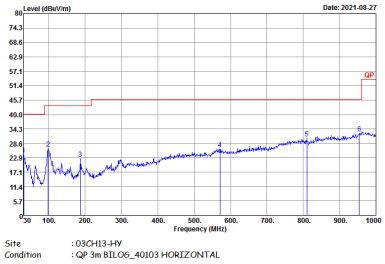
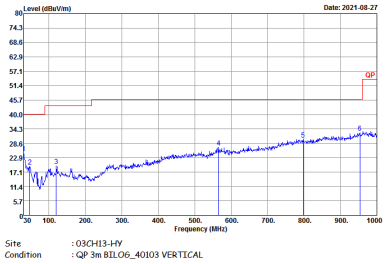
Emission above 18GHz

5GHz WIFI 802.11ac VHT80 (SHF)

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

Emission below 1GHz

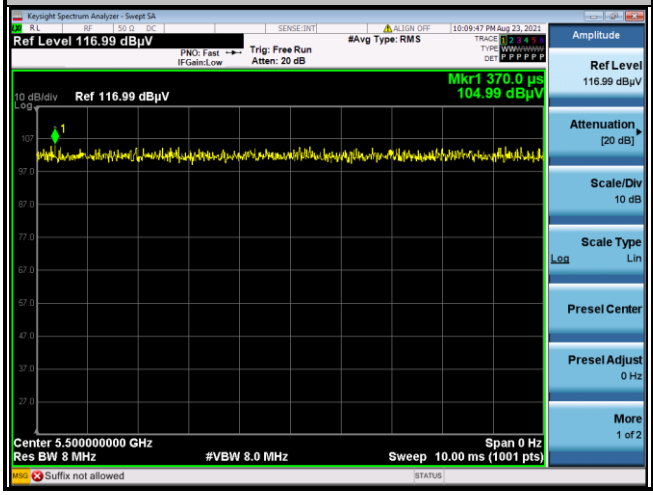
5GHz WIFI 802.11ac VHT80 (LF)

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

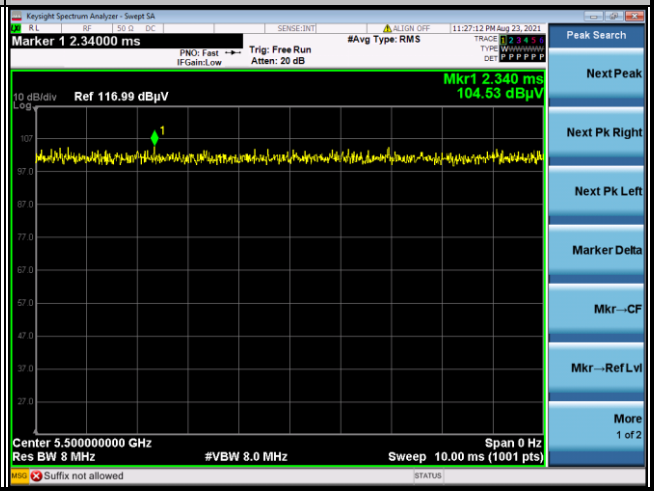
Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11a	100.00	-	-	10Hz
5GHz 802.11n HT20	100.00	-	-	10Hz
5GHz 802.11n HT40	100.00	-	-	10Hz
5GHz 802.11ac VHT80	100.00	-	-	10Hz

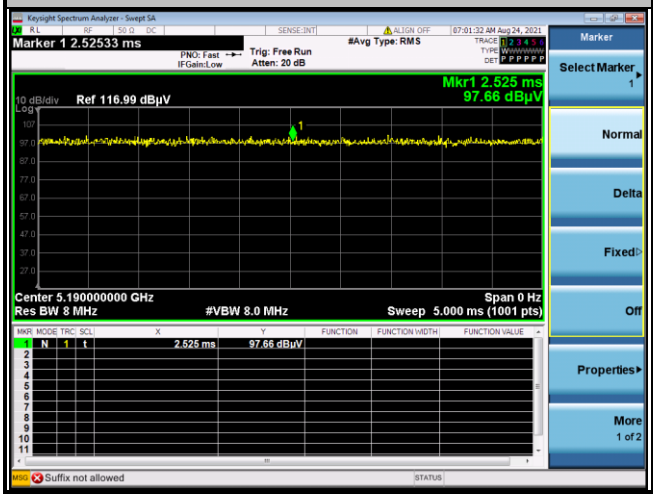
802.11a



802.11n HT20



802.11n HT40



802.11ac VHT80