FCC RADIO TEST REPORT

FCC ID	:	**HFS-GRS6B**
Equipment	:	**Wireless Device**
Model Name	:	**GRS6B**
Applicant	:	**Quanta Computer Inc. No.188, Wenhua 2nd Rd., Guishan Dist., Taoyuan City 33377, Taiwan**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Feb. 02, 2024 and testing was performed from Feb. 11, 2024 to Mar. 20, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issue Date
FR413008E	01	Initial issue of report	Apr. 02, 2024
FR413008E	02	Revise Test Configuration of Equipment Under Test and List of Measuring Equipment This report is an updated version, replacing the report issued on Apr. 02, 2024.	May 07, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.5 dB under the limit at 5351.04 MHz
3.5	15.207	AC Conducted Emission	Pass	13.30 dB under the limit at 0.17 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Avis Chuang

Report Producer: Wilda Wei

1 General Description

1.1 Product Feature of Equipment Under Test

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

EUT Information List	
S/N	**Performed Test Item**
41301HFBS011W3	RF Conducted Measurement
41301HFBS011XX	Radiated Spurious Emission
41311HFBS012BG 41311HFBS012CP	Conducted Emission

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	Ant. 1: 3.23 Ant. 2: 4.54
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 1: 2.95 Ant. 2: 5.08
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 1: 2.46 Ant. 2: 5.47

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

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

where

Each antenna is driven by no more than one spatial stream;
N_{SS} = the number of independent spatial streams of data;
N_{ANT} = the total number of antennas
$g_{j,k} = 10^{G_k / 20}$ if the kth antenna is being fed by spatial stream j, or zero if it is not;
G_k is the gain in dBi of the kth antenna.

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

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

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

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

	Ant 1 (dBi)	Ant 2 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band I	3.23	4.54	4.54	6.92	0.00	0.92
Band II	2.95	5.08	5.08	7.09	0.00	1.09
Band III	2.46	5.47	5.47	7.11	0.00	1.11

Calculation example:

If a device has two antenna, G_{ANT1}= 3.23dBi; G_{ANT2}=4.54dBi

Directional gain of power measurement = max(3.23, 4.54) + 0 = 4.54 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (3.23 dBi / 20) + 10^ (4.54 dBi / 20)] ^ 2 } / 2 }

= 6.92 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH21-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ANSI C63.10-2013

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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). Full connection mode (Ethernet port connected to WLAN AP and HDMI port connected to TV) and stand-alone mode have been verified. Based on the verification results, the worst case (stand-alone mode) were recorded in this report.

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

2.1 Carrier Frequency and Channel

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

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

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

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

Note:

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

2.2 Test Mode

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

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

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

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20	**MCS0**
802.11n HT40	**MCS0**
802.11ac VHT20 (Covered by HT20)	**MCS0**
802.11ac VHT40 (Covered by HT40)	**MCS0**
802.11ac VHT80	**MCS0**

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) 802.11a Tx Channel 60 + USB Cable 2 (Charging with Adapter 1)
Remark: For Radiated Test Cases, the tests were performed with USB Cable 2.	

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

Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

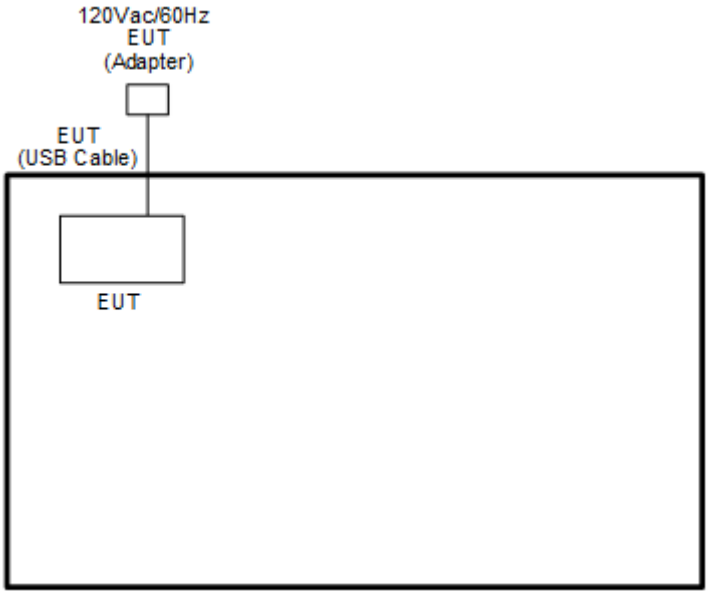
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	106
M	Middle	42	58	-
H	High	-	-	122
Straddle		-	-	138

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

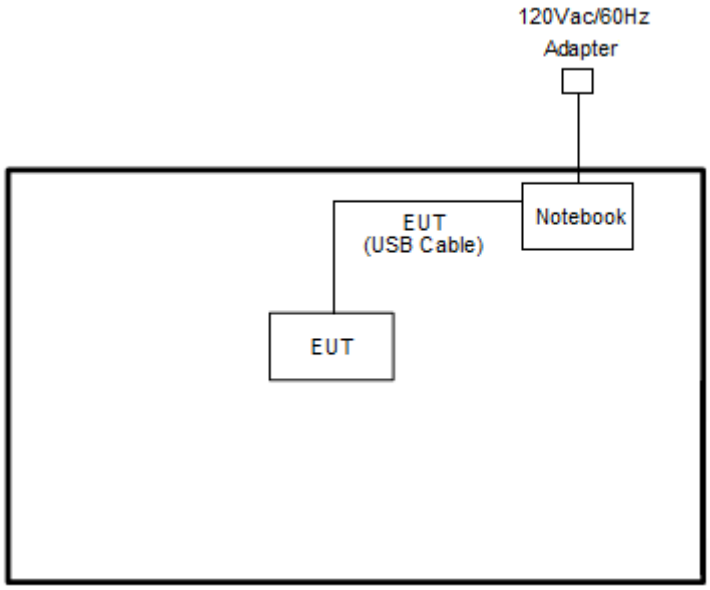
2.3 Connection Diagram of Test System

<Stand-alone Mode>

<AC Conducted Emission Mode>

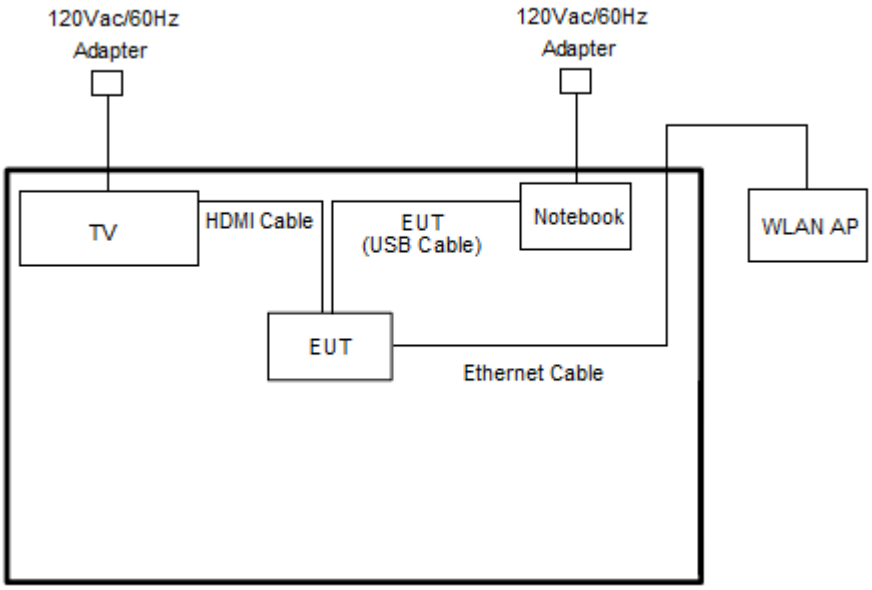


<WLAN Tx Mode>



<Full Connection Mode>

<AC Conducted Emission Mode / WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	TV	LG	LG49SM8111PWA	FCC DoC	N/A	Unshielded, 1.8 m
3.	TV	Sharp	LC-50UA6800T	FCC DoC	N/A	Unshielded, 1.8 m
4.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
5.	WLAN AP	ASUS	RT-AX88U	MSQ-RTAXHP00	N/A	Unshielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Cmd Ver. 10.0.17134.1304” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

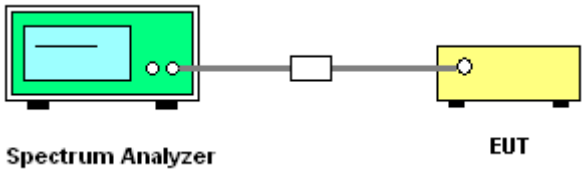
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

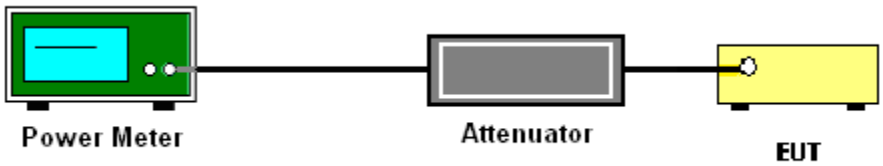
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-2 #

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

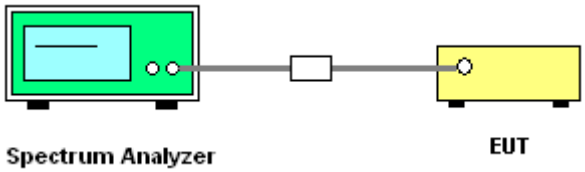
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

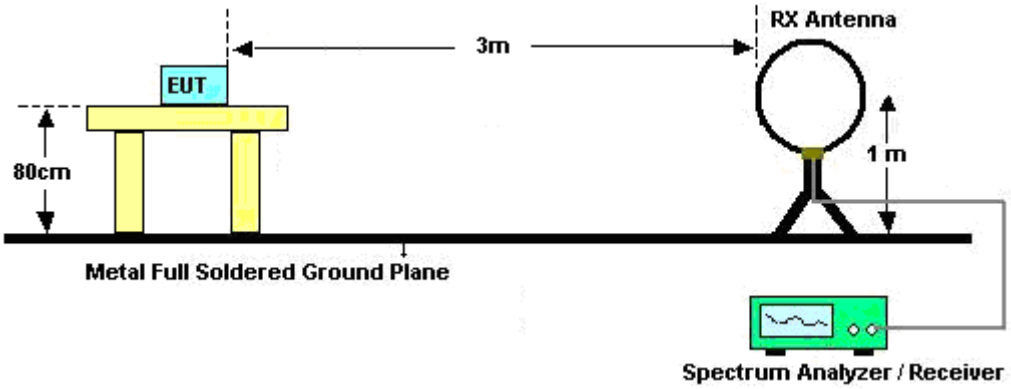
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

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

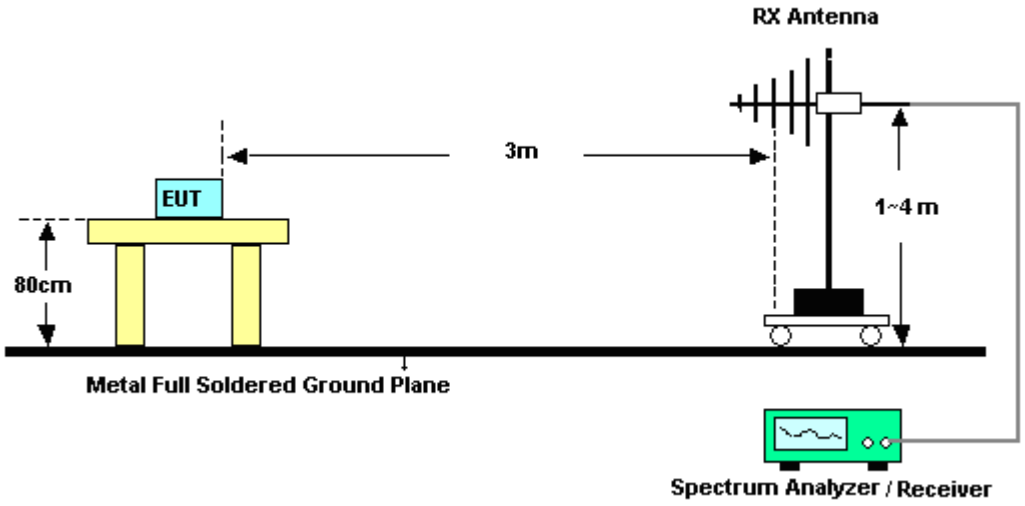
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

3.4.4 Test Setup

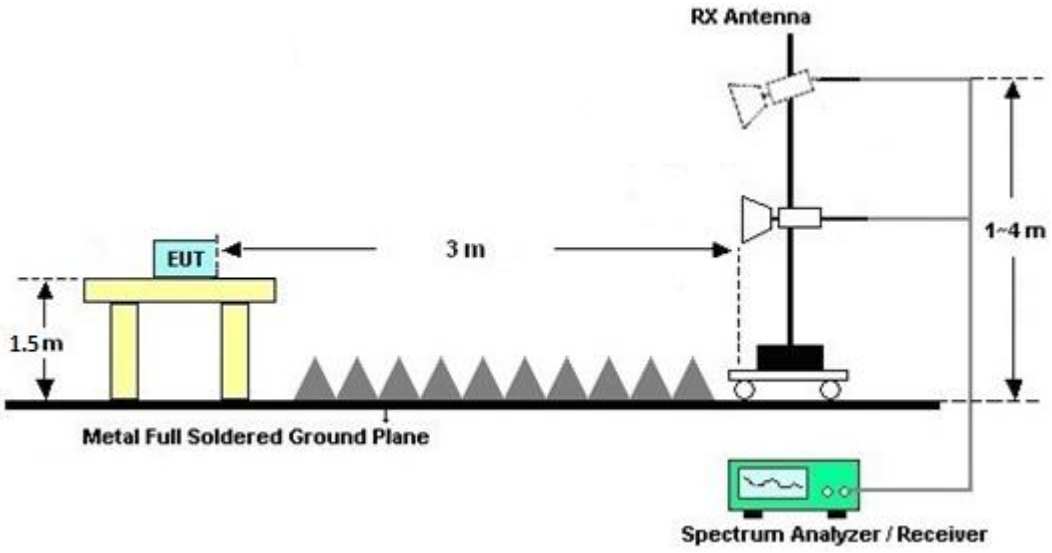
For radiated emissions below 30MHz



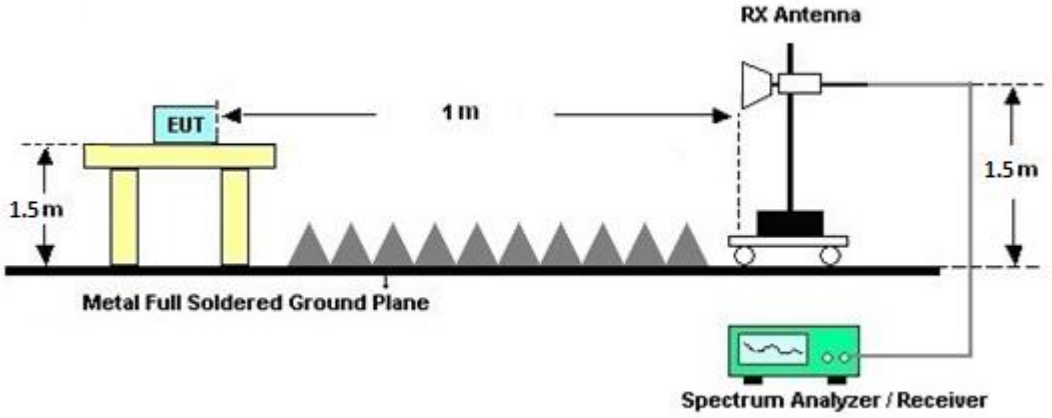
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

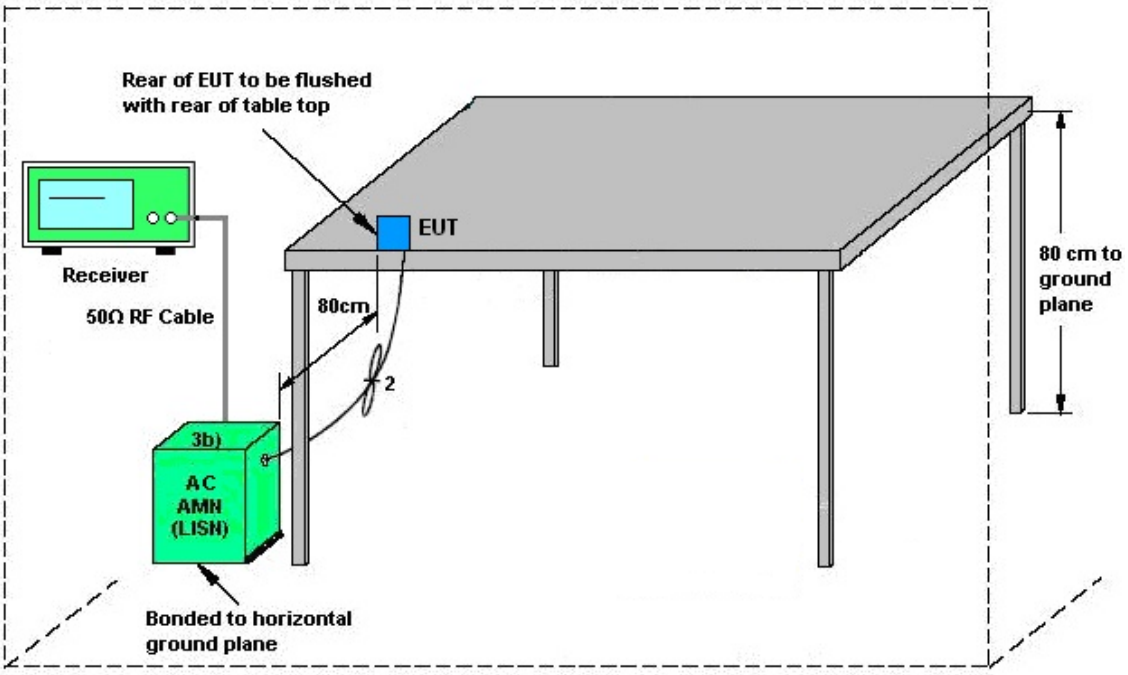
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Feb. 11, 2024~ Feb. 16, 2024	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802 N1D01N-06	55606 & 08	30MHz~1GHz	Oct. 15, 2023	Feb. 11, 2024~ Feb. 16, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18E N	1GHz~18GHz	Jul. 12, 2023	Feb. 11, 2024~ Feb. 16, 2024	Jul. 11, 2024	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBE CK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Feb. 11, 2024~ Feb. 16, 2024	Jul. 09, 2024	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 15, 2023	Feb. 11, 2024~ Feb. 16, 2024	Jul. 14, 2024	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Feb. 11, 2024~ Feb. 16, 2024	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Feb. 11, 2024~ Feb. 16, 2024	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Feb. 11, 2024~ Feb. 16, 2024	Aug. 27, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Feb. 11, 2024~ Feb. 16, 2024	Mar. 06, 2024	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804 612/2,804614 /2	30MHz~40GHz	Oct. 24, 2023	Feb. 11, 2024~ Feb. 16, 2024	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Feb. 11, 2024~ Feb. 16, 2024	Oct. 29, 2024	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 11, 2024~ Feb. 16, 2024	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 11, 2024~ Feb. 16, 2024	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Feb. 11, 2024~ Feb. 16, 2024	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Feb. 11, 2024~ Feb. 16, 2024	N/A	Radiation (03CH21-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Mar. 20, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 20, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBE CK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Mar. 20, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Mar. 20, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Mar. 20, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Mar. 20, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Mar. 20, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Mar. 04, 2024~ Mar. 13, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3008W	RPR8W-2301 017 (NO:20)	10MHz~8GHz	Jul. 26, 2023	Mar. 04, 2024~ Mar. 13, 2024	Jul. 25, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz ~ 40GHz	Aug. 31, 2023	Mar. 04, 2024~ Mar. 13, 2024	Aug. 30, 2024	Conducted (TH05-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 10, 2023	Mar. 12, 2024	Jul. 09, 2024	Conducted (TH05-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.40 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.60 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.60 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Kevin Xiao	Temperature:	21~25	°C
Test Date:	2024/03/04~2024/03/13	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	16.78	16.63	20.22	20.28	-		22.21			
11a	6Mbps	2	44	5220	16.83	16.88	20.31	20.61	-		22.26			
11a	6Mbps	2	48	5240	16.88	16.88	20.35	20.69	-		22.27			
HT20	MCS0	2	36	5180	17.73	17.63	20.62	20.39	-		22.46			
HT20	MCS0	2	44	5220	17.78	17.78	20.78	20.78	-		22.50		-	
HT20	MCS0	2	48	5240	17.78	17.78	20.63	20.58	-		22.50			
HT40	MCS0	2	38	5190	36.56	36.46	42.00	41.20	-		23.01			
HT40	MCS0	2	46	5230	36.76	36.56	42.11	41.89	-		23.01			
VHT80	MCS0	2	42	5210	75.76	75.52	81.28	80.70	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.00	0.00	15.90	15.75	18.84	24.00		4.54			Pass
11a	6Mbps	2	44	5220	0.00	0.00	16.10	15.75	18.94	24.00		4.54			Pass
11a	6Mbps	2	48	5240	0.00	0.00	16.25	15.75	19.02	24.00		4.54			Pass
HT20	MCS0	2	36	5180	0.00	0.00	15.70	15.60	18.66	24.00		4.54			Pass
HT20	MCS0	2	44	5220	0.00	0.00	15.75	15.60	18.69	24.00		4.54			Pass
HT20	MCS0	2	48	5240	0.00	0.00	15.70	15.40	18.56	24.00		4.54			Pass
HT40	MCS0	2	38	5190	0.00	0.00	14.00	14.05	17.04	24.00		4.54			Pass
HT40	MCS0	2	46	5230	0.00	0.00	14.90	14.40	17.67	24.00		4.54		-	Pass
VHT20	MCS0	2	36	5180	0.00	0.00	15.60	15.50	18.56	24.00		4.54			Pass
VHT20	MCS0	2	44	5220	0.00	0.00	15.65	15.50	18.59	24.00		4.54			Pass
VHT20	MCS0	2	48	5240	0.00	0.00	15.60	15.30	18.46	24.00		4.54			Pass
VHT40	MCS0	2	38	5190	0.00	0.00	13.90	13.95	16.94	24.00		4.54			Pass
VHT40	MCS0	2	46	5230	0.00	0.00	14.80	14.30	17.57	24.00		4.54			Pass
VHT80	MCS0	2	42	5210	0.00	0.00	11.40	11.30	14.36	24.00		4.54			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	36	5180	0.00	0.00			8.02	10.08		6.92			Pass
11a	6Mbps	2	44	5220	0.00	0.00			8.15	10.08		6.92			Pass
11a	6Mbps	2	48	5240	0.00	0.00			8.17	10.08		6.92			Pass
HT20	MCS0	2	36	5180	0.00	0.00			7.44	10.08		6.92			Pass
HT20	MCS0	2	44	5220	0.00	0.00	-		7.65	10.08		6.92		-	Pass
HT20	MCS0	2	48	5240	0.00	0.00			7.60	10.08		6.92			Pass
HT40	MCS0	2	38	5190	0.00	0.00			3.14	10.08		6.92			Pass
HT40	MCS0	2	46	5230	0.00	0.00			3.78	10.08		6.92			Pass
VHT80	MCS0	2	42	5210	0.00	0.00			-2.54	10.08		6.92			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	52	5260	16.83	16.98	20.31	22.36	23.26		29.26		23.98		
11a	6Mbps	2	60	5300	16.88	16.88	20.77	20.71	23.27		29.27		23.98		
11a	6Mbps	2	64	5320	16.73	16.68	20.26	20.23	23.22		29.22		23.98		
HT20	MCS0	2	52	5260	17.78	17.78	20.67	20.54	23.50		29.50		23.98		
HT20	MCS0	2	60	5300	17.78	17.73	20.63	20.66	23.49		29.49		23.98		-
HT20	MCS0	2	64	5320	17.73	17.68	20.53	20.54	23.48		29.48		23.98		
HT40	MCS0	2	54	5270	36.66	36.66	42.10	41.70	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.56	36.66	42.21	41.34	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.52	75.52	81.18	80.61	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.00	0.00	16.30	16.10	19.21	23.98		5.08		26.99	Pass
11a	6Mbps	2	60	5300	0.00	0.00	16.40	15.80	19.12	23.98		5.08		26.99	Pass
11a	6Mbps	2	64	5320	0.00	0.00	16.25	15.90	19.09	23.98		5.08		26.99	Pass
HT20	MCS0	2	52	5260	0.00	0.00	15.70	15.60	18.66	23.98		5.08		26.99	Pass
HT20	MCS0	2	60	5300	0.00	0.00	15.90	15.50	18.71	23.98		5.08		26.99	Pass
HT20	MCS0	2	64	5320	0.00	0.00	15.90	15.50	18.71	23.98		5.08		26.99	Pass
HT40	MCS0	2	54	5270	0.00	0.00	14.95	14.70	17.84	23.98		5.08		26.99	Pass
HT40	MCS0	2	62	5310	0.00	0.00	15.00	14.50	17.77	23.98		5.08		26.99	Pass
VHT20	MCS0	2	52	5260	0.00	0.00	15.60	15.50	18.56	23.98		5.08		26.99	Pass
VHT20	MCS0	2	60	5300	0.00	0.00	15.80	15.40	18.61	23.98		5.08		26.99	Pass
VHT20	MCS0	2	64	5320	0.00	0.00	15.80	15.40	18.61	23.98		5.08		26.99	Pass
VHT40	MCS0	2	54	5270	0.00	0.00	14.85	14.60	17.74	23.98		5.08		26.99	Pass
VHT40	MCS0	2	62	5310	0.00	0.00	14.90	14.40	17.67	23.98		5.08		26.99	Pass
VHT80	MCS0	2	58	5290	0.00	0.00	13.90	13.70	16.81	23.98		5.08		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	52	5260	0.00	0.00			8.47	9.91		7.09			Pass
11a	6Mbps	2	60	5300	0.00	0.00			8.62	9.91		7.09			Pass
11a	6Mbps	2	64	5320	0.00	0.00			8.77	9.91		7.09			Pass
HT20	MCS0	2	52	5260	0.00	0.00			7.72	9.91		7.09			Pass
HT20	MCS0	2	60	5300	0.00	0.00	-		7.79	9.91		7.09		-	Pass
HT20	MCS0	2	64	5320	0.00	0.00			7.91	9.91		7.09			Pass
HT40	MCS0	2	54	5270	0.00	0.00			3.99	9.91		7.09			Pass
HT40	MCS0	2	62	5310	0.00	0.00			4.03	9.91		7.09			Pass
VHT80	MCS0	2	58	5290	0.00	0.00			-0.13	9.91		7.09			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	100	5500	16.83	16.73	20.46	20.42	23.24		29.24		23.98		----	----
11a	6Mbps	2	116	5580	16.78	17.13	20.49	26.30	23.25		29.25		23.98		----	----
11a	6Mbps	2	140	5700	16.83	17.18	20.42	25.50	23.26		29.26		23.98		----	----
HT20	MCS0	2	100	5500	17.83	17.63	20.46	20.66	23.46		29.46		23.98		----	----
HT20	MCS0	2	116	5580	17.78	17.93	20.58	20.86	23.50		29.50		23.98		----	----
HT20	MCS0	2	140	5700	17.83	17.83	20.66	22.69	23.51		29.51		23.98		----	----
HT40	MCS0	2	102	5510	36.56	36.66	41.89	41.90	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.56	36.76	42.29	44.67	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.66	36.76	42.21	42.40	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.52	75.52	81.44	80.86	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.40	75.52	81.66	84.61	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2
11a	6Mbps	2	144	5720	13.44	13.54	15.19	18.22	22.28		28.28		22.82		2.52	3.145
HT20	MCS0	2	144	5720	13.94	13.94	15.35	15.70	22.44		28.44		22.86		3.765	3.76
HT40	MCS0	2	142	5710	33.38	33.48	36.10	35.88	23.98		30.00		23.98		3.153	3.135
VHT80	MCS0	2	138	5690	72.88	72.88	75.74	76.89	23.98		30.00		23.98		3.16	3.16
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.00	0.00	16.35	15.70	19.05	23.98		5.47		26.99	Pass
11a	6Mbps	2	116	5580	0.00	0.00	16.85	16.30	19.59	23.98		5.47		26.99	Pass
11a	6Mbps	2	140	5700	0.00	0.00	16.35	15.80	19.09	23.98		5.47		26.99	Pass
HT20	MCS0	2	100	5500	0.00	0.00	15.80	15.25	18.54	23.98		5.47		26.99	Pass
HT20	MCS0	2	116	5580	0.00	0.00	16.00	15.30	18.67	23.98		5.47		26.99	Pass
HT20	MCS0	2	140	5700	0.00	0.00	15.45	15.00	18.24	23.98		5.47		26.99	Pass
HT40	MCS0	2	102	5510	0.00	0.00	14.50	13.90	17.22	23.98		5.47		26.99	Pass
HT40	MCS0	2	110	5550	0.00	0.00	14.90	14.30	17.62	23.98		5.47		26.99	Pass
HT40	MCS0	2	134	5670	0.00	0.00	15.10	14.60	17.87	23.98		5.47		26.99	Pass
VHT20	MCS0	2	100	5500	0.00	0.00	15.70	15.15	18.44	23.98		5.47		26.99	Pass
VHT20	MCS0	2	116	5580	0.00	0.00	15.90	15.20	18.57	23.98		5.47		26.99	Pass
VHT20	MCS0	2	140	5700	0.00	0.00	15.35	14.90	18.14	23.98		5.47		26.99	Pass
VHT40	MCS0	2	102	5510	0.00	0.00	14.40	13.80	17.12	23.98		5.47		26.99	Pass
VHT40	MCS0	2	110	5550	0.00	0.00	14.80	14.20	17.52	23.98		5.47		26.99	Pass
VHT40	MCS0	2	134	5670	0.00	0.00	15.00	14.50	17.77	23.98		5.47		26.99	Pass
VHT80	MCS0	2	106	5530	0.00	0.00	13.80	13.20	16.52	23.98		5.47		26.99	Pass
VHT80	MCS0	2	122	5610	0.00	0.00	15.40	14.90	18.17	23.98		5.47		26.99	Pass

FCC U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		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	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.00	0.00	16.55	15.80	19.20	22.82		5.47		26.99	Pass
HT20	MCS0	2	144	5720	0.00	0.00	15.75	15.10	18.45	22.86		5.47		26.99	Pass
HT40	MCS0	2	142	5710	0.00	0.00	15.00	14.60	17.81	23.98		5.47		26.99	Pass
VHT20	MCS0	2	144	5720	0.00	0.00	15.65	15.00	18.35	23.98		5.47		26.99	Pass
VHT40	MCS0	2	142	5710	0.00	0.00	14.90	14.50	17.71	23.98		5.47		26.99	Pass
VHT80	MCS0	2	138	5690	0.00	0.00	15.50	15.20	18.36	23.98		5.47		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

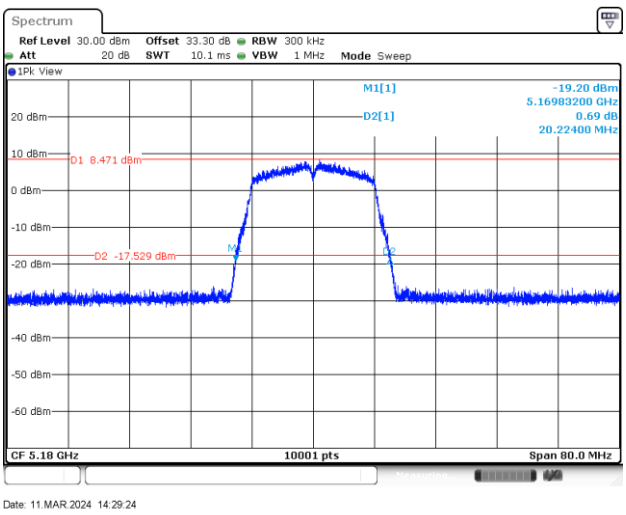
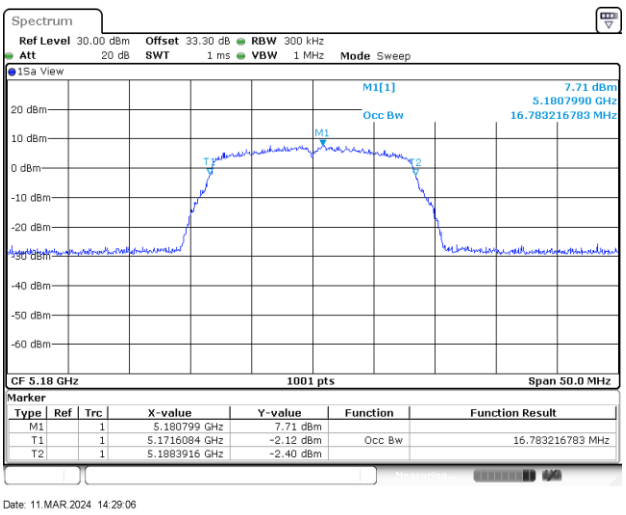
U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	100	5500	0.00	0.00			8.50	9.89		7.11			Pass
11a	6Mbps	2	116	5580	0.00	0.00			8.70	9.89		7.11			Pass
11a	6Mbps	2	140	5700	0.00	0.00			8.40	9.89		7.11			Pass
HT20	MCS0	2	100	5500	0.00	0.00			7.77	9.89		7.11			Pass
HT20	MCS0	2	116	5580	0.00	0.00			7.88	9.89		7.11			Pass
HT20	MCS0	2	140	5700	0.00	0.00	-		7.41	9.89		7.11		-	Pass
HT40	MCS0	2	102	5510	0.00	0.00			3.67	9.89		7.11			Pass
HT40	MCS0	2	110	5550	0.00	0.00			3.88	9.89		7.11			Pass
HT40	MCS0	2	134	5670	0.00	0.00			4.10	9.89		7.11			Pass
VHT80	MCS0	2	106	5530	0.00	0.00			-0.21	9.89		7.11			Pass
VHT80	MCS0	2	122	5610	0.00	0.00			1.43	9.89		7.11			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	144	5720	0.00	0.00			8.51	9.89		7.11			Pass
HT20	MCS0	2	144	5720	0.00	0.00			7.58	9.89		7.11			Pass
HT40	MCS0	2	142	5710	0.00	0.00	-		4.04	9.89		7.11		-	Pass
VHT80	MCS0	2	138	5690	0.00	0.00			1.62	9.89		7.11			Pass

Test Result of 26dB & 99% Occupied Bandwidth

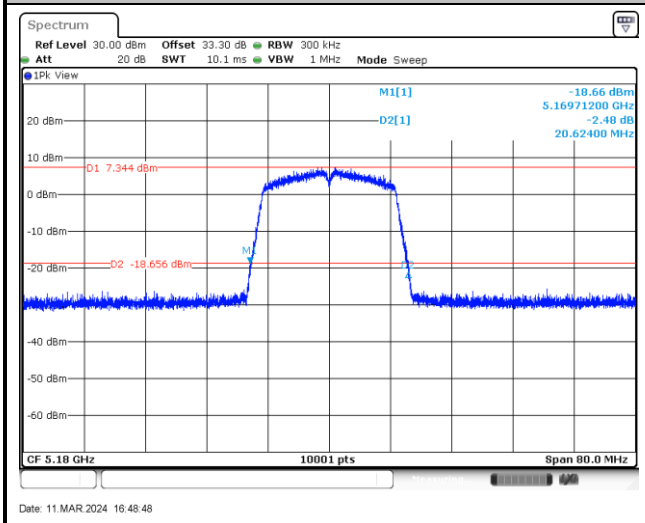
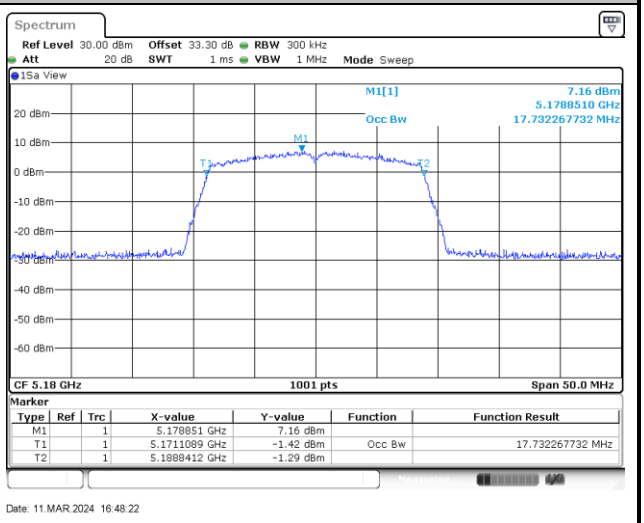
MIMO <Ant. 1+2>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

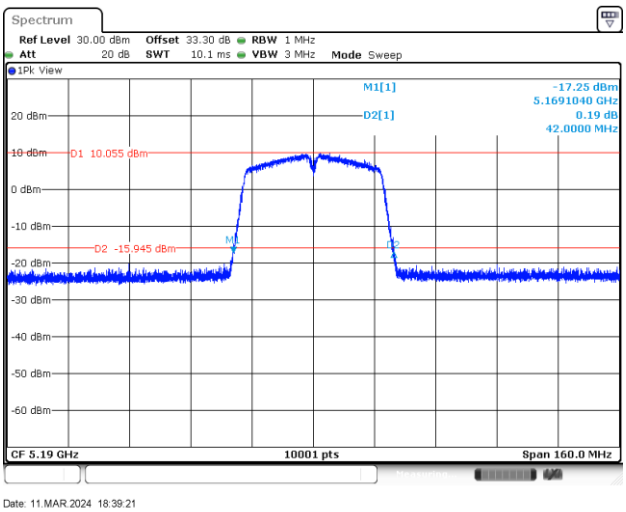
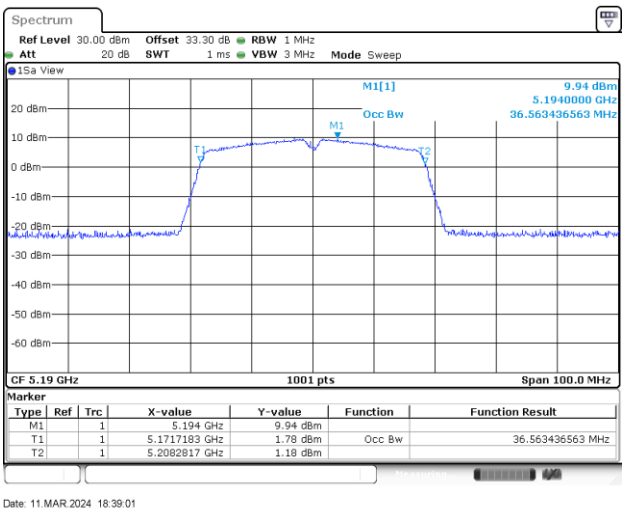
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

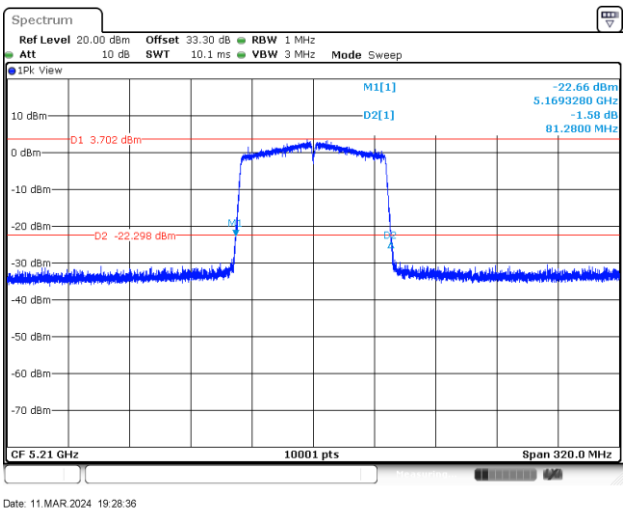
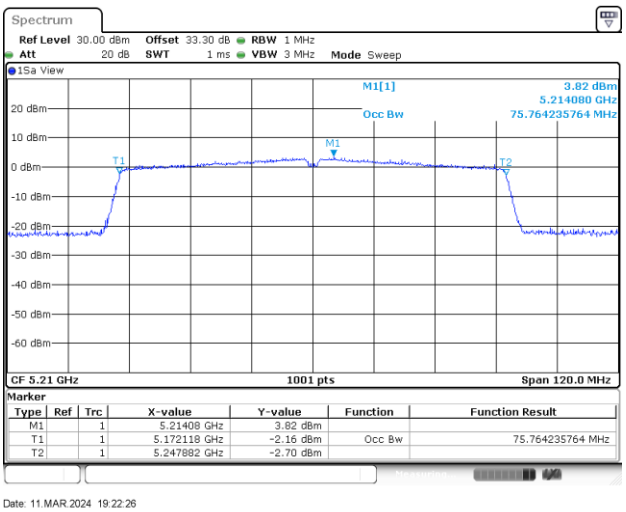
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

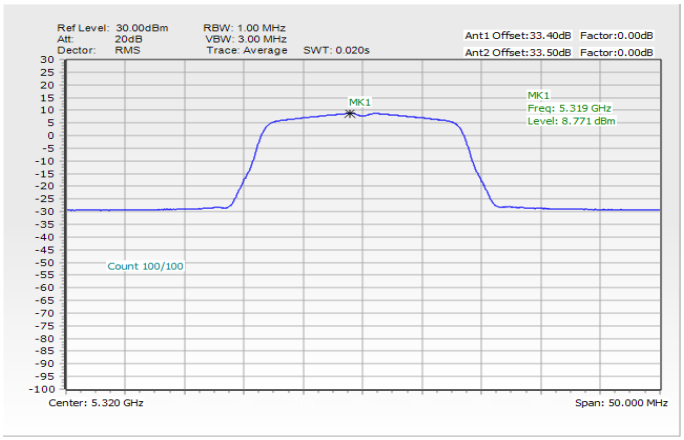
<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

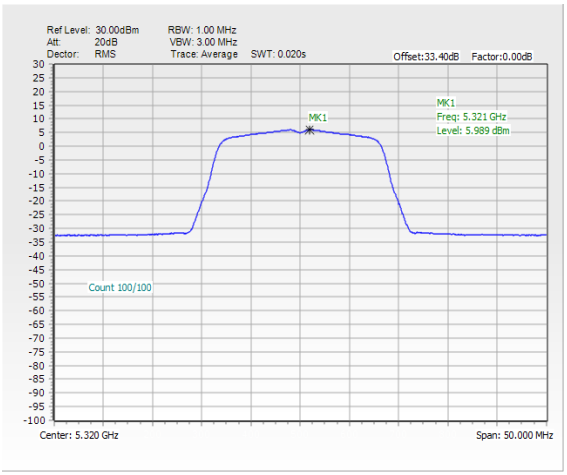
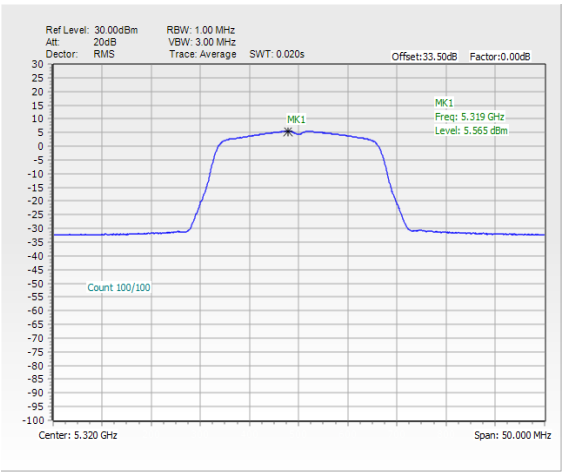
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

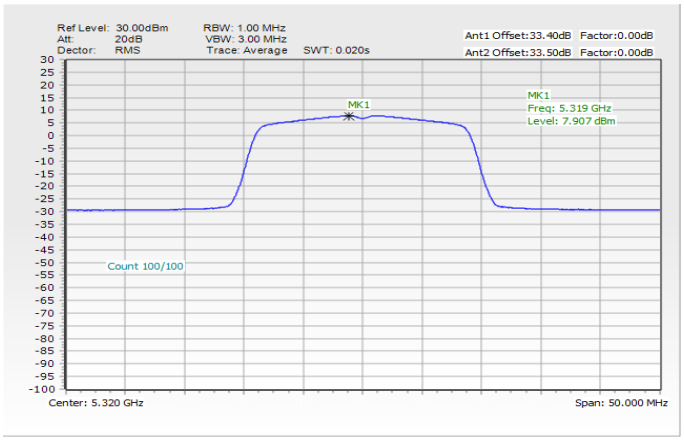
<802.11a>

Maximum Power Density Plot (dBm/MHz)


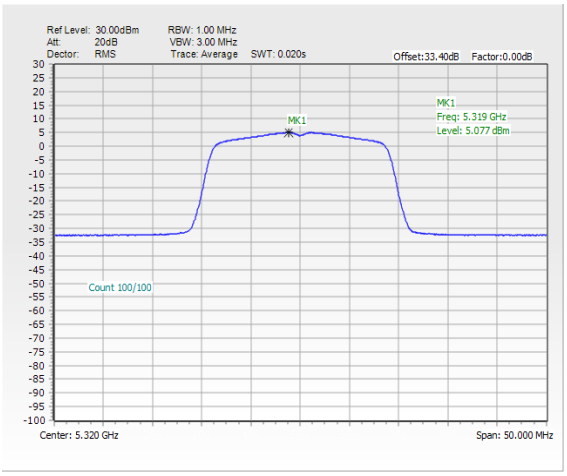
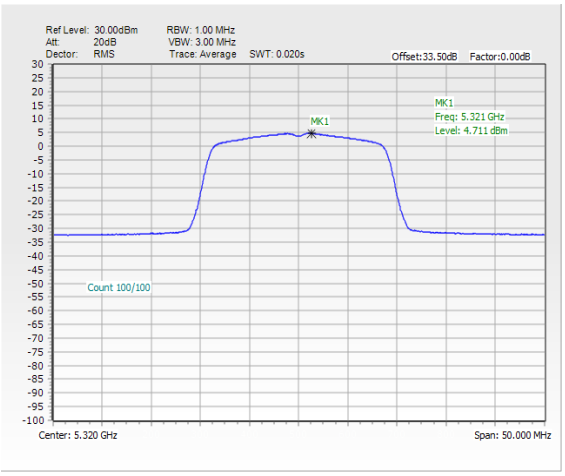
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

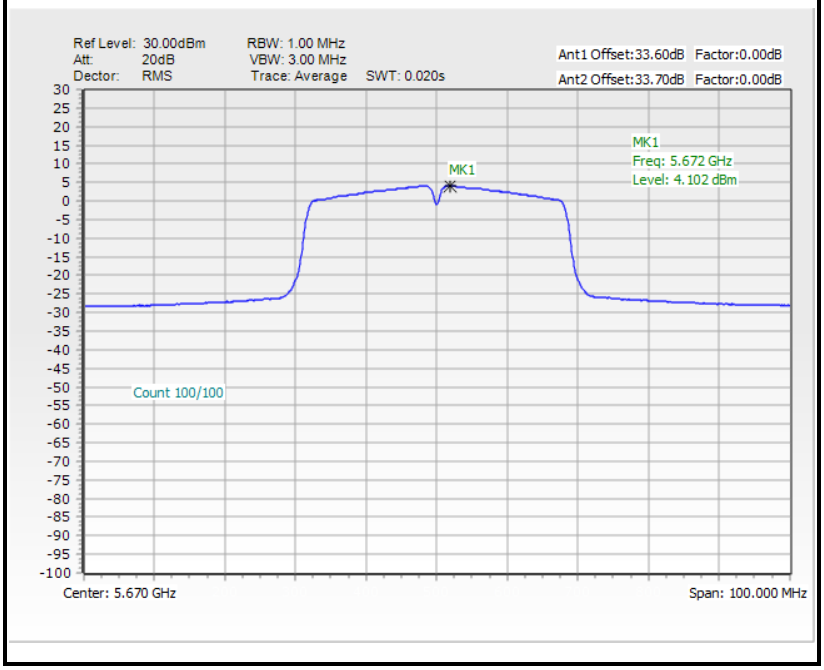
<802.11n HT20>

Maximum Power Density Plot (dBm/MHz)


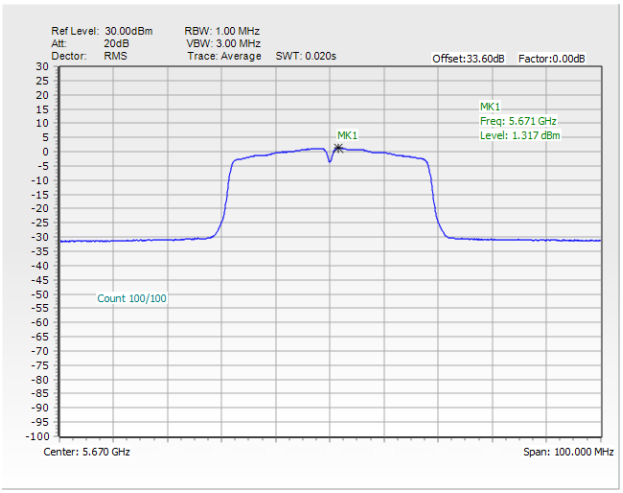
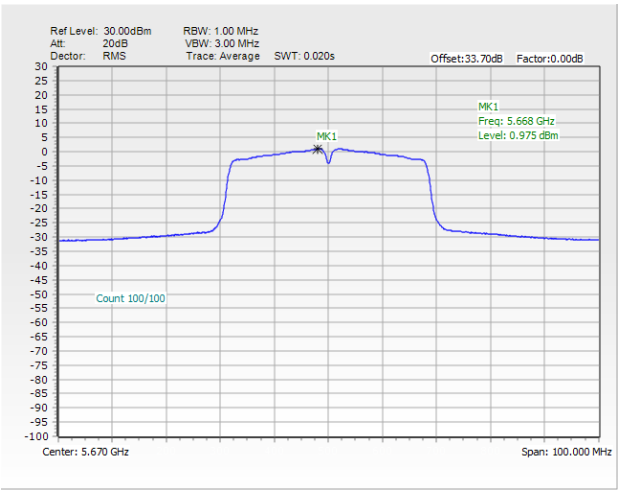
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

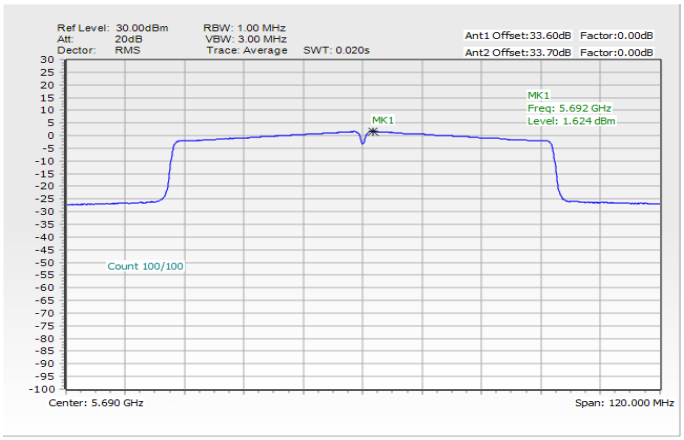
<802.11n HT40>

Maximum Power Density Plot (dBm/MHz)


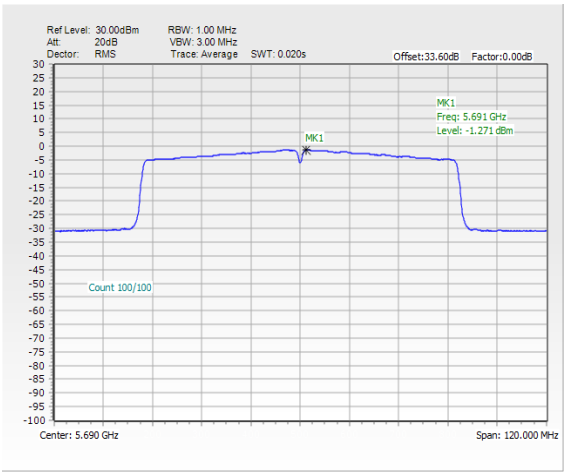
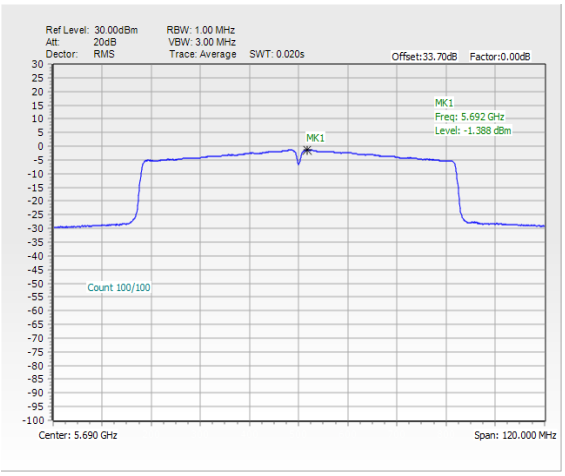
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

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

<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


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

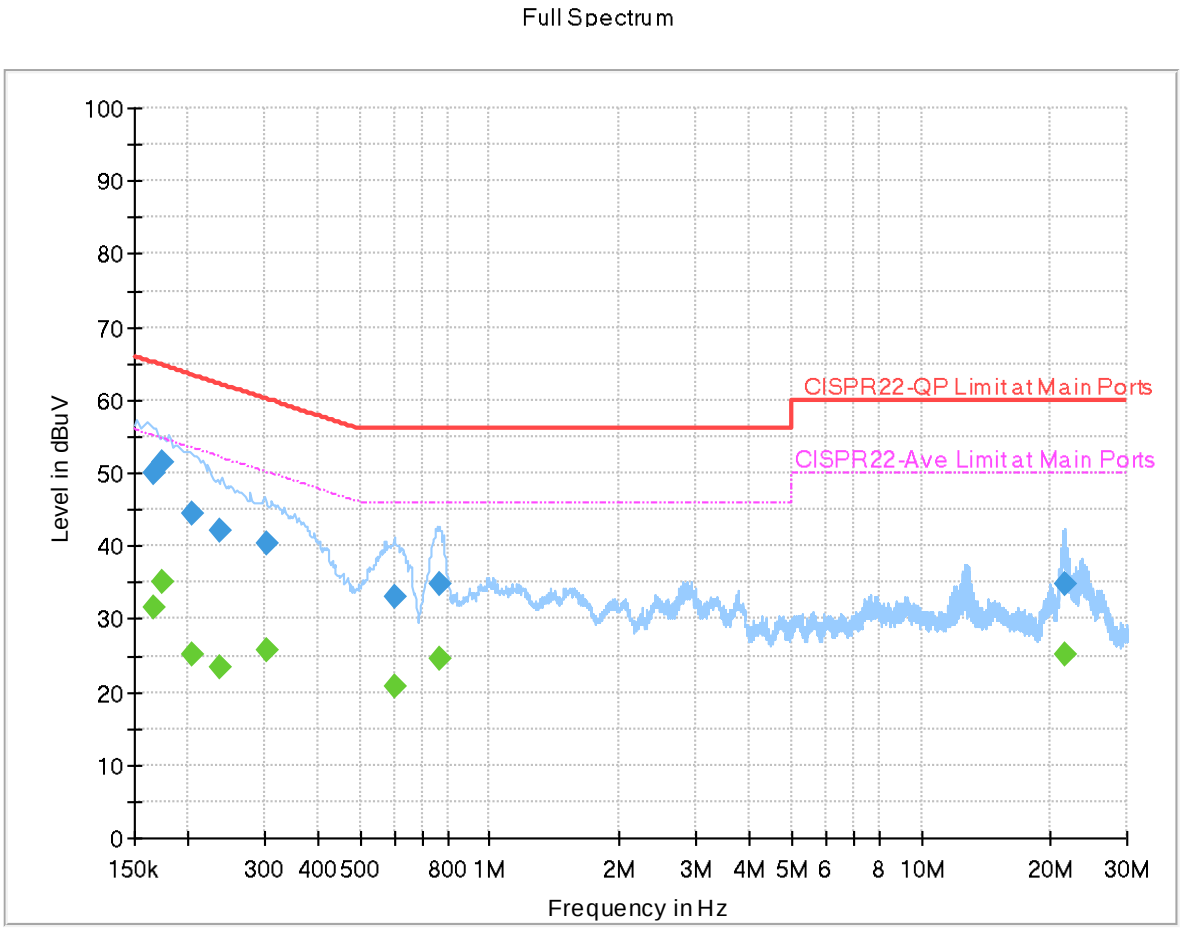
Maximum Power Density Plot Trace 1 (Ant 1)	Maximum Power Density Plot Trace 2 (Ant 2)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	18.5~22.7℃
		Relative Humidity :	43.8~48.7%

EUT Information

Report NO :	413008
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

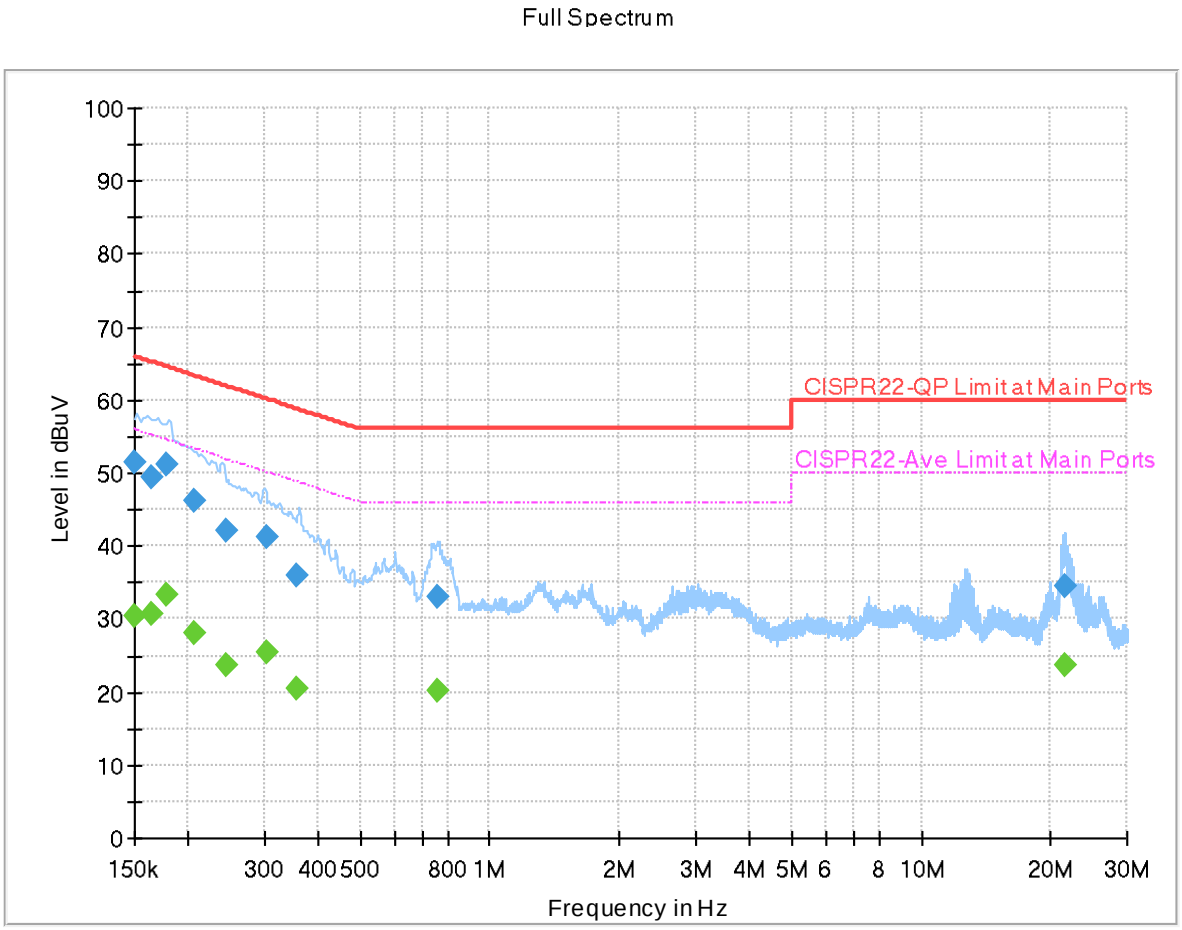


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	31.55	55.17	23.62	L1	OFF	19.9
0.165750	49.88	---	65.17	15.29	L1	OFF	19.9
0.174750	---	35.16	54.73	19.57	L1	OFF	19.9
0.174750	51.43	---	64.73	13.30	L1	OFF	19.9
0.204000	---	25.28	53.45	28.17	L1	OFF	19.9
0.204000	44.50	---	63.45	18.95	L1	OFF	19.9
0.235500	---	23.39	52.25	28.86	L1	OFF	19.9
0.235500	42.19	---	62.25	20.06	L1	OFF	19.9
0.304260	---	25.64	50.13	24.49	L1	OFF	19.9
0.304260	40.49	---	60.13	19.64	L1	OFF	19.9
0.601530	---	20.75	46.00	25.25	L1	OFF	19.9
0.601530	33.09	---	56.00	22.91	L1	OFF	19.9
0.765420	---	24.65	46.00	21.35	L1	OFF	19.9
0.765420	34.94	---	56.00	21.06	L1	OFF	19.9
21.441210	---	25.01	50.00	24.99	L1	OFF	20.1
21.441210	34.88	---	60.00	25.12	L1	OFF	20.1

EUT Information

Report NO :	413008
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000	---	30.33	56.00	25.67	N	OFF	19.9
0.150000	51.33	---	66.00	14.67	N	OFF	19.9
0.163410	---	30.80	55.29	24.49	N	OFF	19.9
0.163410	49.52	---	65.29	15.77	N	OFF	19.9
0.177720	---	33.42	54.59	21.17	N	OFF	19.9
0.177720	51.10	---	64.59	13.49	N	OFF	19.9
0.207510	---	28.02	53.30	25.28	N	OFF	19.9
0.207510	46.13	---	63.30	17.17	N	OFF	19.9
0.244500	---	23.83	51.94	28.11	N	OFF	19.9
0.244500	42.22	---	61.94	19.72	N	OFF	19.9
0.303000	---	25.56	50.16	24.60	N	OFF	19.9
0.303000	41.17	---	60.16	18.99	N	OFF	19.9
0.357000	---	20.52	48.80	28.28	N	OFF	19.9
0.357000	35.97	---	58.80	22.83	N	OFF	19.9
0.752730	---	20.28	46.00	25.72	N	OFF	19.9
0.752730	32.94	---	56.00	23.06	N	OFF	19.9
21.439500	---	23.54	50.00	26.46	N	OFF	20.2
21.439500	34.57	---	60.00	25.43	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Jack Cheng, Ray Lung and Sky Chung	Temperature :	18~26°C
		Relative Humidity :	50~70%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.98	61.28	-12.72	74	50.42	32.6	12.49	34.23	100	254	P	H
		5150	49.61	-4.39	54	38.75	32.6	12.49	34.23	100	254	A	H
	*	5180	114.8	-	-	103.94	32.6	12.54	34.28	100	254	P	H
	*	5180	107.64	-	-	96.78	32.6	12.54	34.28	100	254	A	H
													H
													H
		5146.64	52.01	-21.99	74	41.14	32.6	12.49	34.22	100	98	P	V
		5150	43.69	-10.31	54	32.83	32.6	12.49	34.23	100	98	A	V
	*	5180	106.09	-	-	95.23	32.6	12.54	34.28	100	98	P	V
	*	5180	100.5	-	-	89.64	32.6	12.54	34.28	100	98	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	48.31	-19.89	68.2	32.1	37.38	18.55	39.72	-	-	P	H
		15540	53.94	-20.06	74	36.12	40.54	22.83	45.55	100	0	P	H
		15540	43.95	-10.05	54	26.13	40.54	22.83	45.55	100	0	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	49.04	-19.16	68.2	32.83	37.38	18.55	39.72	-	-	P	V
		15540	55.66	-18.34	74	37.84	40.54	22.83	45.55	111	17	P	V
		15540	46.14	-7.86	54	28.32	40.54	22.83	45.55	111	17	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.31	-20.89	68.2	31.39	37.14	18.62	39.84	-	-	P	H
		15660	53.83	-20.17	74	36.19	40.46	22.93	45.75	101	49	P	H
		15660	44.39	-9.61	54	26.75	40.46	22.93	45.75	101	49	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	48.13	-20.07	68.2	32.21	37.14	18.62	39.84	-	-	P	V
		15660	55.72	-18.28	74	38.08	40.46	22.93	45.75	104	19	P	V
		15660	46.12	-7.88	54	28.48	40.46	22.93	45.75	104	19	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	47.34	-20.86	68.2	31.49	37.1	18.65	39.9	-	-	P	H
		15720	53.57	-20.43	74	35.64	40.78	23	45.85	108	0	P	H
		15720	44.94	-9.06	54	27.01	40.78	23	45.85	108	0	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 48 5240MHz		10480	47.46	-20.74	68.2	31.61	37.1	18.65	39.9	-	-	P	V
		15720	54.99	-19.01	74	37.06	40.78	23	45.85	103	19	P	V
		15720	46.34	-7.66	54	28.41	40.78	23	45.85	103	19	A	V
													V
													V
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													V
													V
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													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5150	63.93	-10.07	74	53.07	32.6	12.49	34.23	100	255	P	H
		5150	50.61	-3.39	54	39.75	32.6	12.49	34.23	100	255	A	H
	*	5180	112.25	-	-	101.39	32.6	12.54	34.28	100	255	P	H
	*	5180	106.89	-	-	96.03	32.6	12.54	34.28	100	255	A	H
802.11n													H
HT20													H
CH 36		5144.82	56.42	-17.58	74	45.56	32.6	12.48	34.22	100	100	P	V
5180MHz		5150	44.39	-9.61	54	33.53	32.6	12.49	34.23	100	100	A	V
	*	5180	106.57	-	-	95.71	32.6	12.54	34.28	100	100	P	V
	*	5180	100.09	-	-	89.23	32.6	12.54	34.28	100	100	A	V
													V
													V
		5143	54.55	-19.45	74	43.69	32.6	12.48	34.22	104	76	P	H
		5150	46.39	-7.61	54	35.53	32.6	12.49	34.23	104	76	A	H
	*	5220	113.06	-	-	102.21	32.6	12.6	34.35	104	76	P	H
	*	5220	108.12	-	-	97.27	32.6	12.6	34.35	104	76	A	H
802.11n		5368.72	48.53	-25.47	74	37.92	32.4	12.81	34.6	104	76	P	H
HT20		5350	41.28	-12.72	54	30.66	32.4	12.79	34.57	104	76	A	H
CH 44		5129.74	49.76	-24.24	74	38.89	32.6	12.46	34.19	104	153	P	V
5220MHz		5109.2	39.81	-14.19	54	28.94	32.6	12.43	34.16	104	153	A	V
	*	5220	103.86	-	-	93.01	32.6	12.6	34.35	104	153	P	V
	*	5220	98.35	-	-	87.5	32.6	12.6	34.35	104	153	A	V
		5455.24	46.89	-27.11	74	36.2	32.52	12.92	34.75	104	153	P	V
		5350.52	37.79	-16.21	54	27.17	32.4	12.79	34.57	104	153	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 48 5240MHz		5125.32	51.55	-22.45	74	40.69	32.6	12.45	34.19	117	243	P	H
		5150	42.01	-11.99	54	31.15	32.6	12.49	34.23	117	243	A	H
	*	5240	111.42	-	-	100.57	32.6	12.63	34.38	117	243	P	H
	*	5240	106.76	-	-	95.91	32.6	12.63	34.38	117	243	A	H
		5370.4	48.94	-25.06	74	38.33	32.4	12.82	34.61	117	243	P	H
		5351.92	40.58	-13.42	54	29.97	32.4	12.79	34.58	117	243	A	H
		5085.28	48.75	-25.25	74	37.88	32.6	12.39	34.12	400	160	P	V
		5128.18	40.22	-13.78	54	29.35	32.6	12.46	34.19	400	160	A	V
	*	5240	107.97	-	-	97.12	32.6	12.63	34.38	400	160	P	V
	*	5240	101.42	-	-	90.57	32.6	12.63	34.38	400	160	A	V
		5436.76	46.76	-27.24	74	36.11	32.47	12.9	34.72	400	160	P	V
		5352.48	37.89	-16.11	54	27.28	32.4	12.79	34.58	400	160	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10360	47.99	-20.21	68.2	31.78	37.38	18.55	39.72	-	-	P	H
		15540	53.78	-20.22	74	35.96	40.54	22.83	45.55	116	0	P	H
		15540	43.79	-10.21	54	25.97	40.54	22.83	45.55	116	0	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 36		10360	48.65	-19.55	68.2	32.44	37.38	18.55	39.72	-	-	P	V
5180MHz		15540	54.75	-19.25	74	36.93	40.54	22.83	45.55	100	22	P	V
		15540	44.81	-9.19	54	26.99	40.54	22.83	45.55	100	22	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10440	47.42	-20.78	68.2	31.5	37.14	18.62	39.84	-	-	P	H
		15660	53.66	-20.34	74	36.02	40.46	22.93	45.75	111	359	P	H
		15660	43.97	-10.03	54	26.33	40.46	22.93	45.75	111	359	A	H
													H
													H
													H
													H
													H
													H
													H
i802.11n													H
HT20													H
CH 44		10440	47.72	-20.48	68.2	31.8	37.14	18.62	39.84	-	-	P	V
5220MHz		15660	55.79	-18.21	74	38.15	40.46	22.93	45.75	101	19	P	V
		15660	45.66	-8.34	54	28.02	40.46	22.93	45.75	101	19	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10480	47.79	-20.41	68.2	31.94	37.1	18.65	39.9	-	-	P	H
		15720	54.74	-19.26	74	36.81	40.78	23	45.85	123	0	P	H
		15720	44.31	-9.69	54	26.38	40.78	23	45.85	123	0	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 48		10480	47.39	-20.81	68.2	31.54	37.1	18.65	39.9	-	-	P	V
5240MHz		15720	55.7	-18.3	74	37.77	40.78	23	45.85	102	21	P	V
		15720	46.2	-7.8	54	28.27	40.78	23	45.85	102	21	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5149.24	61.42	-12.58	74	50.56	32.6	12.49	34.23	108	247	P	H
		5150	51.56	-2.44	54	40.7	32.6	12.49	34.23	108	247	A	H
	*	5190	108.52	-	-	97.67	32.6	12.55	34.3	108	247	P	H
	*	5190	102.12	-	-	91.27	32.6	12.55	34.3	108	247	A	H
802.11n		5357.24	48.14	-25.86	74	37.52	32.4	12.8	34.58	108	247	P	H
HT40		5350.52	38.8	-15.2	54	28.18	32.4	12.79	34.57	108	247	A	H
CH 38		5146.12	52.19	-21.81	74	41.32	32.6	12.49	34.22	400	112	P	V
5190MHz		5150	45.12	-8.88	54	34.26	32.6	12.49	34.23	400	112	A	V
	*	5190	102.21	-	-	91.36	32.6	12.55	34.3	400	112	P	V
	*	5190	95.1	-	-	84.25	32.6	12.55	34.3	400	112	A	V
		5431.44	46.83	-27.17	74	36.19	32.46	12.89	34.71	400	112	P	V
		5458.88	37.57	-16.43	54	26.87	32.54	12.92	34.76	400	112	A	V
		5149.24	51.5	-22.5	74	40.64	32.6	12.49	34.23	116	281	P	H
		5150	43.1	-10.9	54	32.24	32.6	12.49	34.23	116	281	A	H
	*	5230	109.67	-	-	98.83	32.6	12.61	34.37	116	281	P	H
	*	5230	103.53	-	-	92.69	32.6	12.61	34.37	116	281	A	H
802.11n		5363.12	48.57	-25.43	74	37.95	32.4	12.81	34.59	116	281	P	H
HT40		5350	39.78	-14.22	54	29.16	32.4	12.79	34.57	116	281	A	H
CH 46		5034.84	49.69	-24.31	74	38.78	32.63	12.31	34.03	100	138	P	V
5230MHz		5148.98	40.2	-13.8	54	29.34	32.6	12.49	34.23	100	138	A	V
	*	5230	103.49	-	-	92.65	32.6	12.61	34.37	100	138	P	V
	*	5230	97.57	-	-	86.73	32.6	12.61	34.37	100	138	A	V
		5376	47.05	-26.95	74	36.44	32.4	12.83	34.62	100	138	P	V
		5351.36	37.89	-16.11	54	27.27	32.4	12.79	34.57	100	138	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5145.86	60	-14	74	49.13	32.6	12.49	34.22	111	245	P	H
		5150	52.16	-1.84	54	41.3	32.6	12.49	34.23	111	245	A	H
	*	5210	104.67	-	-	93.82	32.6	12.58	34.33	111	245	P	H
	*	5210	97.55	-	-	86.7	32.6	12.58	34.33	111	245	A	H
		5351.64	48.89	-25.11	74	38.27	32.4	12.79	34.57	111	245	P	H
		5350	39.57	-14.43	54	28.95	32.4	12.79	34.57	111	245	A	H
		5149.76	52.18	-21.82	74	41.32	32.6	12.49	34.23	100	121	P	V
		5149.76	46.29	-7.71	54	35.43	32.6	12.49	34.23	100	121	A	V
	*	5210	97.33	-	-	86.48	32.6	12.58	34.33	100	121	P	V
	*	5210	90.86	-	-	80.01	32.6	12.58	34.33	100	121	A	V
		5418.56	47.51	-26.49	74	36.88	32.44	12.88	34.69	100	121	P	V
		5350.24	37.66	-16.34	54	27.04	32.4	12.79	34.57	100	121	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 64 5320MHz	*	5320	112.29	-	-	101.61	32.46	12.74	34.52	100	276	P	H
	*	5320	106.69	-	-	96.01	32.46	12.74	34.52	100	276	A	H
		5357.6	61.24	-12.76	74	50.63	32.4	12.8	34.59	100	276	P	H
		5350.08	48.69	-5.31	54	38.07	32.4	12.79	34.57	100	276	A	H
													H
													H
	*	5320	107.78	-	-	97.1	32.46	12.74	34.52	102	149	P	V
	*	5320	100.23	-	-	89.55	32.46	12.74	34.52	102	149	A	V
		5353.6	52.67	-21.33	74	42.06	32.4	12.79	34.58	102	149	P	V
		5350.08	43.32	-10.68	54	32.7	32.4	12.79	34.57	102	149	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	47.72	-20.48	68.2	31.8	37.18	18.68	39.94	-	-	P	H
		15780	55.82	-18.18	74	37.89	40.84	23.05	45.96	113	0	P	H
		15780	45.84	-8.16	54	27.91	40.84	23.05	45.96	113	0	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	47.87	-20.33	68.2	31.95	37.18	18.68	39.94	-	-	P	V
		15780	57.38	-16.62	74	39.45	40.84	23.05	45.96	108	32	P	V
		15780	47.33	-6.67	54	29.4	40.84	23.05	45.96	108	32	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	48.42	-25.58	74	32.27	37.4	18.75	40	-	-	P	H
		10600	38.29	-15.71	54	22.14	37.4	18.75	40	-	-	A	H
		15900	54.85	-19.15	74	37.16	40.7	23.15	46.16	114	0	P	H
		15900	45.71	-8.29	54	28.02	40.7	23.15	46.16	114	0	A	H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 60 5300MHz													H
		10600	47.91	-26.09	74	31.76	37.4	18.75	40	-	-	P	V
		15900	56.12	-17.88	74	38.43	40.7	23.15	46.16	102	359	P	V
		15900	46.47	-7.53	54	28.78	40.7	23.15	46.16	102	359	A	V
													V
													V
													V
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													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	47.59	-26.41	74	31.36	37.48	18.78	40.03	-	-	P	H
		15960	54.17	-19.83	74	36.52	40.7	23.21	46.26	111	0	P	H
		15960	45.47	-8.53	54	27.82	40.7	23.21	46.26	111	0	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 64 5320MHz													H
		10640	49.19	-24.81	74	32.96	37.48	18.78	40.03	-	-	P	V
		10640	38.37	-15.63	54	22.14	37.48	18.78	40.03	-	-	A	V
		15960	57.31	-16.69	74	39.66	40.7	23.21	46.26	109	33	P	V
		15960	46.99	-7.01	54	29.34	40.7	23.21	46.26	109	33	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5015.64	49.71	-24.29	74	38.76	32.67	12.28	34	100	282	P	H
		5148.24	41.13	-12.87	54	30.26	32.6	12.49	34.22	100	282	A	H
	*	5260	112.59	-	-	101.77	32.58	12.66	34.42	100	282	P	H
	*	5260	106.21	-	-	95.39	32.58	12.66	34.42	100	282	A	H
802.11n		5363.52	48.91	-25.09	74	38.3	32.4	12.81	34.6	100	282	P	H
HT20		5350.32	40.61	-13.39	54	29.99	32.4	12.79	34.57	100	282	A	H
CH 52		5124.1	49.28	-24.72	74	38.41	32.6	12.45	34.18	400	172	P	V
5260MHz		5114.58	39.66	-14.34	54	28.79	32.6	12.44	34.17	400	172	A	V
	*	5260	105.45	-	-	94.63	32.58	12.66	34.42	400	172	P	V
	*	5260	99.84	-	-	89.02	32.58	12.66	34.42	400	172	A	V
		5402.16	47.21	-26.79	74	36.61	32.4	12.86	34.66	400	172	P	V
		5379.84	37.52	-16.48	54	26.91	32.4	12.83	34.62	400	172	A	V
		5144.84	49.87	-24.13	74	39.01	32.6	12.48	34.22	124	244	P	H
		5144.5	40.64	-13.36	54	29.78	32.6	12.48	34.22	124	244	A	H
	*	5300	114.65	-	-	103.92	32.5	12.72	34.49	124	244	P	H
	*	5300	106.64	-	-	95.91	32.5	12.72	34.49	124	244	A	H
802.11n		5370	50.78	-23.22	74	40.17	32.4	12.82	34.61	124	244	P	H
HT20		5351.28	42.33	-11.67	54	31.71	32.4	12.79	34.57	124	244	A	H
CH 60		5021.42	49.55	-24.45	74	38.61	32.66	12.29	34.01	398	119	P	V
5300MHz		5068.68	39.48	-14.52	54	28.6	32.6	12.37	34.09	398	119	A	V
	*	5300	105.14	-	-	94.41	32.5	12.72	34.49	398	119	P	V
	*	5300	98.59	-	-	87.86	32.5	12.72	34.49	398	119	A	V
		5366.16	46.28	-27.72	74	35.67	32.4	12.81	34.6	398	119	P	V
		5350.08	37.65	-16.35	54	27.03	32.4	12.79	34.57	398	119	A	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5320	111.92	-	-	101.24	32.46	12.74	34.52	131	241	P	H
	*	5320	106.33	-	-	95.65	32.46	12.74	34.52	131	241	A	H
		5355.36	55.44	-18.56	74	44.82	32.4	12.8	34.58	131	241	P	H
		5350.08	47.75	-6.25	54	37.13	32.4	12.79	34.57	131	241	A	H
802.11n													H
HT20													H
CH 64	*	5320	107.49	-	-	96.81	32.46	12.74	34.52	100	133	P	V
5320MHz	*	5320	100.58	-	-	89.9	32.46	12.74	34.52	100	133	A	V
		5350.08	50.78	-23.22	74	40.16	32.4	12.79	34.57	100	133	P	V
		5350.08	41.81	-12.19	54	31.19	32.4	12.79	34.57	100	133	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10520	47.32	-20.88	68.2	31.4	37.18	18.68	39.94	-	-	P	H
		15780	54.4	-19.6	74	36.47	40.84	23.05	45.96	112	0	P	H
		15780	44.42	-9.58	54	26.49	40.84	23.05	45.96	112	0	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 52		10520	47.93	-20.27	68.2	32.01	37.18	18.68	39.94	-	-	P	V
5260MHz		15780	56.88	-17.12	74	38.95	40.84	23.05	45.96	101	19	P	V
		15780	46.24	-7.76	54	28.31	40.84	23.05	45.96	101	19	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10600	47.91	-26.09	74	31.76	37.4	18.75	40	-	-	P	H
		15900	54.38	-19.62	74	36.69	40.7	23.15	46.16	107	0	P	H
		15900	43.97	-10.03	54	26.28	40.7	23.15	46.16	107	0	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 60		10600	48.96	-25.04	74	32.81	37.4	18.75	40	-	-	P	V
5300MHz		10600	38.27	-15.73	54	22.12	37.4	18.75	40	-	-	A	V
		15900	56.15	-17.85	74	38.46	40.7	23.15	46.16	100	31	P	V
		15900	45.27	-8.73	54	27.58	40.7	23.15	46.16	100	31	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10640	47.8	-26.2	74	31.57	37.48	18.78	40.03	-	-	P	H
		15960	53.38	-20.62	74	35.73	40.7	23.21	46.26	115	0	P	H
		15960	43.01	-10.99	54	25.36	40.7	23.21	46.26	115	0	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 64		10640	49.64	-24.36	74	33.41	37.48	18.78	40.03	-	-	P	V
5320MHz		10640	38.42	-15.58	54	22.19	37.48	18.78	40.03	-	-	A	V
		15960	55.73	-18.27	74	38.08	40.7	23.21	46.26	100	33	P	V
		15960	45.83	-8.17	54	28.18	40.7	23.21	46.26	100	33	A	V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5138.38	50.03	-23.97	74	39.17	32.6	12.47	34.21	100	281	P	H
		5147.9	41.03	-12.97	54	30.16	32.6	12.49	34.22	100	281	A	H
	*	5270	110.72	-	-	99.92	32.56	12.67	34.43	100	281	P	H
	*	5270	103.6	-	-	92.8	32.56	12.67	34.43	100	281	A	H
802.11n		5357.52	51.31	-22.69	74	40.69	32.4	12.8	34.58	100	281	P	H
HT40		5350.08	42.25	-11.75	54	31.63	32.4	12.79	34.57	100	281	A	H
CH 54		5017.68	49.16	-24.84	74	38.21	32.66	12.29	34	400	96	P	V
5270MHz		5098.94	39.97	-14.03	54	29.1	32.6	12.41	34.14	400	96	A	V
	*	5270	102.44	-	-	91.64	32.56	12.67	34.43	400	96	P	V
	*	5270	97.07	-	-	86.27	32.56	12.67	34.43	400	96	A	V
		5357.04	46.85	-27.15	74	36.23	32.4	12.8	34.58	400	96	P	V
		5380.56	37.88	-16.12	54	27.27	32.4	12.83	34.62	400	96	A	V
		5087.04	50.01	-23.99	74	39.14	32.6	12.39	34.12	100	283	P	H
		5146.2	40.62	-13.38	54	29.75	32.6	12.49	34.22	100	283	A	H
	*	5310	109.89	-	-	99.18	32.48	12.73	34.5	100	283	P	H
	*	5310	103.42	-	-	92.71	32.48	12.73	34.5	100	283	A	H
802.11n		5352.72	65.63	-8.37	74	55.02	32.4	12.79	34.58	100	283	P	H
HT40		5351.04	52.5	-1.5	54	41.88	32.4	12.79	34.57	100	283	A	H
CH 62		5053.72	49.7	-24.3	74	38.82	32.6	12.34	34.06	400	119	P	V
5310MHz		5081.94	39.83	-14.17	54	28.95	32.6	12.39	34.11	400	119	A	V
	*	5310	103.24	-	-	92.53	32.48	12.73	34.5	400	119	P	V
	*	5310	96.95	-	-	86.24	32.48	12.73	34.5	400	119	A	V
		5350.8	49.73	-24.27	74	39.11	32.4	12.79	34.57	400	119	P	V
		5350.8	40.79	-13.21	54	30.17	32.4	12.79	34.57	400	119	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5141.78	51.59	-22.41	74	40.72	32.6	12.48	34.21	100	248	P	H
		5148.58	43.9	-10.1	54	33.04	32.6	12.49	34.23	100	248	A	H
	*	5290	106.31	-	-	95.56	32.52	12.7	34.47	100	248	P	H
	*	5290	99.13	-	-	88.38	32.52	12.7	34.47	100	248	A	H
		5392.08	60.92	-13.08	74	50.31	32.4	12.85	34.64	100	248	P	H
		5353.92	51.7	-2.3	54	41.09	32.4	12.79	34.58	100	248	A	H
		5069.36	49.52	-24.48	74	38.64	32.6	12.37	34.09	100	156	P	V
		5149.94	40.4	-13.6	54	29.54	32.6	12.49	34.23	100	156	A	V
	*	5290	99.15	-	-	88.4	32.52	12.7	34.47	100	156	P	V
	*	5290	91.86	-	-	81.11	32.52	12.7	34.47	100	156	A	V
		5356.8	55.9	-18.1	74	45.28	32.4	12.8	34.58	100	156	P	V
		5350.08	47.33	-6.67	54	36.71	32.4	12.79	34.57	100	156	A	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 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		5456.88	53.06	-20.94	74	42.37	32.53	12.92	34.76	100	91	P	H
		5466.48	54.24	-13.96	68.2	43.51	32.57	12.93	34.77	100	91	P	H
		5459.92	45.17	-8.83	54	34.47	32.54	12.92	34.76	100	91	A	H
	*	5500	111	-	-	100.17	32.7	12.96	34.83	100	91	P	H
	*	5500	106.26	-	-	95.43	32.7	12.96	34.83	100	91	A	H
													H
		5435.92	48.82	-25.18	74	38.17	32.47	12.9	34.72	100	143	P	V
		5469.68	50.29	-17.91	68.2	39.56	32.58	12.93	34.78	100	143	P	V
		5460	40.15	-13.85	54	29.45	32.54	12.92	34.76	100	143	A	V
	*	5500	106.94	-	-	96.11	32.7	12.96	34.83	100	143	P	V
	*	5500	101.32	-	-	90.49	32.7	12.96	34.83	100	143	A	V
													V
802.11a CH 140 5700MHz	*	5700	111.92	-	-	100.12	33.6	13.2	35	100	261	P	H
	*	5700	105.45	-	-	93.65	33.6	13.2	35	100	261	A	H
		5726.52	62.61	-5.59	68.2	50.68	33.71	13.24	35.02	100	261	P	H
													H
													H
													H
	*	5700	108.51	-	-	96.71	33.6	13.2	35	105	146	P	V
	*	5700	101.61	-	-	89.81	33.6	13.2	35	105	146	A	V
		5727.72	57.94	-10.26	68.2	46.01	33.71	13.25	35.03	105	146	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	49.69	-24.31	74	33.07	37.8	19.09	40.27	-	-	P	H
		11000	38.92	-15.08	54	22.3	37.8	19.09	40.27	-	-	A	H
		16500	52.58	-15.62	68.2	35.01	40.7	23.58	46.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	47.99	-26.01	74	31.37	37.8	19.09	40.27	-	-	P	V
		16500	55.2	-13	68.2	37.63	40.7	23.58	46.71	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	49.62	-24.38	74	32.56	38.22	19.22	40.38	-	-	P	H
		11160	39.37	-14.63	54	22.31	38.22	19.22	40.38	-	-	A	H
		16740	51.6	-16.6	68.2	34.16	40.38	23.74	46.68	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	49.98	-24.02	74	32.92	38.22	19.22	40.38	-	-	P	V
		11160	39.41	-14.59	54	22.35	38.22	19.22	40.38	-	-	A	V
		16740	56.07	-12.13	68.2	38.63	40.38	23.74	46.68	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	49.83	-24.17	74	32.15	38.8	19.43	40.55	-	-	P	H
		11400	39.96	-14.04	54	22.28	38.8	19.43	40.55	-	-	A	H
		17100	51.63	-16.57	68.2	34.41	40.1	23.99	46.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 140 5700MHz													H
		11400	50.2	-23.8	74	32.52	38.8	19.43	40.55	-	-	P	V
		11400	40.03	-13.97	54	22.35	38.8	19.43	40.55	-	-	A	V
		17100	51.39	-16.81	68.2	34.17	40.1	23.99	46.87	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.72	54.95	-19.05	74	44.26	32.53	12.92	34.76	103	241	P	H
		5469.68	60.94	-7.26	68.2	50.21	32.58	12.93	34.78	103	241	P	H
		5460	44.85	-9.15	54	34.15	32.54	12.92	34.76	103	241	A	H
	*	5500	112.86	-	-	102.03	32.7	12.96	34.83	103	241	P	H
802.11n	*	5500	106.09	-	-	95.26	32.7	12.96	34.83	103	241	A	H
HT20													H
CH 100		5453.36	49.92	-24.08	74	39.25	32.51	12.91	34.75	103	149	P	V
5500MHz		5470	49.79	-18.41	68.2	39.06	32.58	12.93	34.78	103	149	P	V
		5460	40.43	-13.57	54	29.73	32.54	12.92	34.76	103	149	A	V
	*	5500	106.65	-	-	95.82	32.7	12.96	34.83	103	149	P	V
	*	5500	100.65	-	-	89.82	32.7	12.96	34.83	103	149	A	V
													V
		5419.84	50.2	-23.8	74	39.57	32.44	12.88	34.69	100	4	P	H
		5468.32	48.77	-19.43	68.2	38.05	32.57	12.93	34.78	100	4	P	H
		5459.92	40.86	-13.14	54	30.16	32.54	12.92	34.76	100	4	A	H
	*	5580	111.7	-	-	100.56	33	13.04	34.9	100	4	P	H
802.11n	*	5580	107.1	-	-	95.96	33	13.04	34.9	100	4	A	H
HT20		5735.705	49.86	-18.34	68.2	37.89	33.74	13.26	35.03	100	4	P	H
CH 116		5350.96	47.02	-26.98	74	36.4	32.4	12.79	34.57	396	117	P	V
5580MHz		5461.84	45.71	-22.49	68.2	35	32.55	12.92	34.76	396	117	P	V
		5459.44	38.06	-15.94	54	27.36	32.54	12.92	34.76	396	117	A	V
	*	5580	107.6	-	-	96.46	33	13.04	34.9	396	117	P	V
	*	5580	102.22	-	-	91.08	33	13.04	34.9	396	117	A	V
		5754.29	48.47	-19.73	68.2	36.43	33.81	13.28	35.05	396	117	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
	*	5700	111.35	-	-	99.55	33.6	13.2	35	100	253	P	H
	*	5700	104.84	-	-	93.04	33.6	13.2	35	100	253	A	H
		5725	63.72	-4.48	68.2	51.8	33.7	13.24	35.02	100	253	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	107.76	-	-	95.96	33.6	13.2	35	100	138	P	V
5700MHz	*	5700	100.89	-	-	89.09	33.6	13.2	35	100	138	A	V
		5725.16	58.06	-10.14	68.2	46.14	33.7	13.24	35.02	100	138	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+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11000	48.93	-25.07	74	32.31	37.8	19.09	40.27	-	-	P	H
		11000	38.97	-15.03	54	22.35	37.8	19.09	40.27	-	-	A	H
		16500	51.88	-16.32	68.2	34.31	40.7	23.58	46.71	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 100		11000	48.33	-25.67	74	31.71	37.8	19.09	40.27	-	-	P	V
5500MHz		11000	38.93	-15.07	54	22.31	37.8	19.09	40.27	-	-	A	V
		16500	53.26	-14.94	68.2	35.69	40.7	23.58	46.71	-	-	P	V
													V
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													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11160	49.94	-24.06	74	32.88	38.22	19.22	40.38	-	-	P	H
		11160	39.26	-14.74	54	22.2	38.22	19.22	40.38	-	-	A	H
		16740	51.84	-16.36	68.2	34.4	40.38	23.74	46.68	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 116		11160	49.05	-24.95	74	31.99	38.22	19.22	40.38	-	-	P	V
5580MHz		11160	39.23	-14.77	54	22.17	38.22	19.22	40.38	-	-	A	V
		16740	55.83	-12.37	68.2	38.39	40.38	23.74	46.68	-	-	P	V
													V
													V
													V
													V
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													V
													V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11400	49.05	-24.95	74	31.37	38.8	19.43	40.55	-	-	P	H
		11400	39.81	-14.19	54	22.13	38.8	19.43	40.55	-	-	A	H
		17100	51.35	-16.85	68.2	34.13	40.1	23.99	46.87	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 140		11400	50.15	-23.85	74	32.47	38.8	19.43	40.55	-	-	P	V
5700MHz		11400	39.84	-14.16	54	22.16	38.8	19.43	40.55	-	-	A	V
		17100	51.63	-16.57	68.2	34.41	40.1	23.99	46.87	-	-	P	V
													V
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													V
													V
													V

Remark

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5456.32	55.94	-18.06	74	45.24	32.53	12.92	34.75	111	289	P	H
		5461.36	60.58	-7.62	68.2	49.87	32.55	12.92	34.76	111	289	P	H
		5458	46.87	-7.13	54	36.18	32.53	12.92	34.76	111	289	A	H
	*	5510	110.62	-	-	99.73	32.76	12.97	34.84	111	289	P	H
802.11n	*	5510	103.52	-	-	92.63	32.76	12.97	34.84	111	289	A	H
HT40		5739.8	48.69	-19.51	68.2	36.71	33.76	13.26	35.04	111	289	P	H
CH 102		5425.12	47.87	-26.13	74	37.23	32.45	12.89	34.7	382	110	P	V
5510MHz		5470	49.07	-19.13	68.2	38.34	32.58	12.93	34.78	382	110	P	V
		5458	38.95	-15.05	54	28.26	32.53	12.92	34.76	382	110	A	V
	*	5510	102.68	-	-	91.79	32.76	12.97	34.84	382	110	P	V
	*	5510	97.03	-	-	86.14	32.76	12.97	34.84	382	110	A	V
		5735.39	48.62	-19.58	68.2	36.65	33.74	13.26	35.03	382	110	P	V
		5456.08	49.81	-24.19	74	39.12	32.52	12.92	34.75	100	283	P	H
		5468.32	51.54	-16.66	68.2	40.82	32.57	12.93	34.78	100	283	P	H
		5458.48	42.05	-11.95	54	31.36	32.53	12.92	34.76	100	283	A	H
	*	5550	110.18	-	-	99.04	33	13.01	34.87	100	283	P	H
802.11n	*	5550	103.62	-	-	92.48	33	13.01	34.87	100	283	A	H
HT40		5727.83	49.57	-18.63	68.2	37.64	33.71	13.25	35.03	100	283	P	H
CH 110		5405.2	46.68	-27.32	74	36.07	32.41	12.87	34.67	400	118	P	V
5550MHz		5467.36	47.65	-20.55	68.2	36.92	32.57	12.93	34.77	400	118	P	V
		5458	38.31	-15.69	54	27.62	32.53	12.92	34.76	400	118	A	V
	*	5550	104.54	-	-	93.4	33	13.01	34.87	400	118	P	V
	*	5550	98.05	-	-	86.91	33	13.01	34.87	400	118	A	V
		5749.565	49.18	-19.02	68.2	37.14	33.8	13.28	35.04	400	118	P	V

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 134 5670MHz		5400.05	47.06	-26.94	74	36.46	32.4	12.86	34.66	118	284	P	H
		5470	46.84	-21.36	68.2	36.11	32.58	12.93	34.78	118	284	P	H
		5459.9	38.8	-15.2	54	28.1	32.54	12.92	34.76	118	284	A	H
	*	5670	109.02	-	-	97.42	33.42	13.16	34.98	118	284	P	H
	*	5670	103.42	-	-	91.82	33.42	13.16	34.98	118	284	A	H
		5725.275	55.43	-12.77	68.2	43.51	33.7	13.24	35.02	118	284	P	H
		5404.25	47.27	-26.73	74	36.67	32.41	12.86	34.67	400	117	P	V
		5462.35	45.64	-22.56	68.2	34.94	32.55	12.92	34.77	400	117	P	V
		5458.5	37.8	-16.2	54	27.11	32.53	12.92	34.76	400	117	A	V
	*	5670	106.28	-	-	94.68	33.42	13.16	34.98	400	117	P	V
	*	5670	99.66	-	-	88.06	33.42	13.16	34.98	400	117	A	V
		5726.675	51.11	-17.09	68.2	39.18	33.71	13.24	35.02	400	117	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		5455.12	61.31	-12.69	74	50.62	32.52	12.92	34.75	110	284	P	H
		5469.28	62.35	-5.85	68.2	51.62	32.58	12.93	34.78	110	284	P	H
		5459.2	52.37	-1.63	54	41.67	32.54	12.92	34.76	110	284	A	H
	*	5530	105.63	-	-	94.62	32.88	12.99	34.86	110	284	P	H
802.11ac	*	5530	99.36	-	-	88.35	32.88	12.99	34.86	110	284	A	H
VHT80		5729.405	48.31	-19.89	68.2	36.37	33.72	13.25	35.03	110	284	P	H
CH 106		5450.32	54.34	-19.66	74	43.67	32.5	12.91	34.74	100	152	P	V
5530MHz		5465.68	57.11	-11.09	68.2	46.39	32.56	12.93	34.77	100	152	P	V
		5459.92	45.83	-8.17	54	35.13	32.54	12.92	34.76	100	152	A	V
	*	5530	100.04	-	-	89.03	32.88	12.99	34.86	100	152	P	V
	*	5530	93.55	-	-	82.54	32.88	12.99	34.86	100	152	A	V
		5742.635	48.76	-19.44	68.2	36.76	33.77	13.27	35.04	100	152	P	V
		5449.84	54.88	-19.12	74	44.21	32.5	12.91	34.74	110	288	P	H
		5468.08	55.15	-13.05	68.2	44.43	32.57	12.93	34.78	110	288	P	H
		5459.92	44.6	-9.4	54	33.9	32.54	12.92	34.76	110	288	A	H
	*	5610	107.88	-	-	96.67	33.06	13.07	34.92	110	288	P	H
802.11ac	*	5610	101.17	-	-	89.96	33.06	13.07	34.92	110	288	A	H
VHT80		5725.625	56.57	-11.63	68.2	44.65	33.7	13.24	35.02	110	288	P	H
CH 122		5447.2	49.53	-24.47	74	38.87	32.49	12.91	34.74	100	143	P	V
5610MHz		5467.12	51.63	-16.57	68.2	40.9	32.57	12.93	34.77	100	143	P	V
		5456.8	40.23	-13.77	54	29.54	32.53	12.92	34.76	100	143	A	V
	*	5610	102.56	-	-	91.35	33.06	13.07	34.92	100	143	P	V
	*	5610	96.17	-	-	84.96	33.06	13.07	34.92	100	143	A	V
		5730.98	51.84	-16.36	68.2	39.9	33.72	13.25	35.03	100	143	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	50.66	-23.34	74	33.06	38.72	19.46	40.58	-	-	P	H
		11440	40.98	-13.02	54	23.38	38.72	19.46	40.58	-	-	A	H
		17160	52.31	-15.89	68.2	35.3	39.98	24.03	47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11440	49.28	-24.72	74	31.68	38.72	19.46	40.58	-	-	P	V
		11440	40.91	-13.09	54	23.31	38.72	19.46	40.58	-	-	A	V
		17160	52.4	-15.8	68.2	35.39	39.98	24.03	47	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5431.12	47.85	-26.15	74	37.21	32.46	12.89	34.71	100	1	P	H
		5462.32	46.48	-21.72	68.2	35.78	32.55	12.92	34.77	100	1	P	H
		5459.59	38.09	-15.91	54	27.39	32.54	12.92	34.76	100	1	A	H
	*	5720	112.44	-	-	100.55	33.68	13.23	35.02	100	1	P	H
	*	5720	106.28	-	-	94.39	33.68	13.23	35.02	100	1	A	H
		5858	49.92	-18.28	68.2	37.84	33.8	13.42	35.14	100	1	P	H
		5448.67	46.34	-27.66	74	35.67	32.5	12.91	34.74	100	148	P	V
		5469.73	45.66	-22.54	68.2	34.93	32.58	12.93	34.78	100	148	P	V
		5459.59	37.52	-16.48	54	26.82	32.54	12.92	34.76	100	148	A	V
	*	5720	109.45	-	-	97.56	33.68	13.23	35.02	100	148	P	V
	*	5720	101.81	-	-	89.92	33.68	13.23	35.02	100	148	A	V
		5912.25	49.76	-18.44	68.2	37.66	33.8	13.48	35.18	100	148	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11440	49.57	-24.43	74	31.97	38.72	19.46	40.58	-	-	P	H
		11440	39.98	-14.02	54	22.38	38.72	19.46	40.58	-	-	A	H
		17160	51.76	-16.44	68.2	34.75	39.98	24.03	47	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 144		11440	49.95	-24.05	74	32.35	38.72	19.46	40.58	-	-	P	V
5720MHz		11440	39.97	-14.03	54	22.37	38.72	19.46	40.58	-	-	A	V
		17160	53.13	-15.07	68.2	36.12	39.98	24.03	47	-	-	P	V
													V
													V
													V
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													V
													V

Remark

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

Band 3 - Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5452.96	47.46	-26.54	74	36.79	32.51	12.91	34.75	103	1	P	H
		5470	47.26	-20.94	68.2	36.53	32.58	12.93	34.78	103	1	P	H
		5459.59	38.32	-15.68	54	27.62	32.54	12.92	34.76	103	1	A	H
	*	5710	109.49	-	-	97.64	33.64	13.22	35.01	103	1	P	H
	*	5710	103.37	-	-	91.52	33.64	13.22	35.01	103	1	A	H
		5939.25	49.24	-18.96	68.2	37.13	33.8	13.52	35.21	103	1	P	H
		5450.23	46.95	-27.05	74	36.28	32.5	12.91	34.74	395	118	P	V
		5460.76	46.3	-21.9	68.2	35.6	32.54	12.92	34.76	395	118	P	V
		5459.98	37.77	-16.23	54	27.07	32.54	12.92	34.76	395	118	A	V
	*	5710	105.12	-	-	93.27	33.64	13.22	35.01	395	118	P	V
	*	5710	98.89	-	-	87.04	33.64	13.22	35.01	395	118	A	V
		5879.5	49.38	-18.82	68.2	37.29	33.8	13.45	35.16	395	118	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 - Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1+2	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5456.86	48.02	-25.98	74	37.33	32.53	12.92	34.76	109	282	P	H
		5465.83	48.53	-19.67	68.2	37.81	32.56	12.93	34.77	109	282	P	H
		5458.42	38.88	-15.12	54	28.19	32.53	12.92	34.76	109	282	A	H
	*	5690	107.86	-	-	96.12	33.54	13.19	34.99	109	282	P	H
	*	5690	101.37	-	-	89.63	33.54	13.19	34.99	109	282	A	H
		5855.25	50.36	-17.84	68.2	38.28	33.8	13.42	35.14	109	282	P	H
		5380.03	46.45	-27.55	74	35.84	32.4	12.83	34.62	100	142	P	V
		5463.1	46.32	-21.88	68.2	35.62	32.55	12.92	34.77	100	142	P	V
		5459.98	37.95	-16.05	54	27.25	32.54	12.92	34.76	100	142	A	V
	*	5690	103.95	-	-	92.21	33.54	13.19	34.99	100	142	P	V
	*	5690	97.02	-	-	85.28	33.54	13.19	34.99	100	142	A	V
		5851.5	48.63	-19.57	68.2	36.55	33.8	13.41	35.13	100	142	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		28955.7	42.67	-25.53	68.2	42.58	40.4	21.68	61.99	-	-	P	H
		38647	50.79	-23.21	74	40.06	44.18	26.91	60.36	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a													H
SHF		21196.8	42.67	-31.33	74	48.73	38.59	16.74	61.39	-	-	P	V
		38900	51.39	-22.61	74	40.65	44.3	26.9	60.46	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V

Remark

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

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
		57	31.12	-8.88	40	50.18	12.33	1.34	32.73	-	-	P	H
		172.02	31.86	-11.64	43.5	46.57	15.68	2.31	32.7	-	-	P	H
		263.01	21.96	-24.04	46	31.74	20.09	2.88	32.75	-	-	P	H
		430.2	26.5	-19.5	46	33.09	22.64	3.65	32.88	-	-	P	H
		667.5	28.13	-17.87	46	30.19	26.43	4.5	32.99	-	-	P	H
		958	34.97	-11.03	46	29.83	31.19	5.51	31.56	-	-	P	H
													H
													H
													H
													H
													H
802.11a													H
LF		32.16	22.55	-17.45	40	30.39	23.9	1	32.74	-	-	P	V
		174.72	29.22	-14.28	43.5	44.13	15.45	2.34	32.7	-	-	P	V
		288.12	25.48	-20.52	46	36.29	18.98	2.98	32.77	-	-	P	V
		327.3	28.93	-17.07	46	38.87	19.68	3.18	32.8	-	-	P	V
		855.1	32.46	-13.54	46	30.34	29.32	5.2	32.4	-	-	P	V
		978.3	34.67	-19.33	54	29.57	30.85	5.6	31.35	-	-	P	V
													V
													V
													V
													V
													V
													V

Remark

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

Note symbol

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

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

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

For Peak Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Margin (dB)

= Leve(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Margin (dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54 (dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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

Appendix D. Radiated Spurious Emission Plots

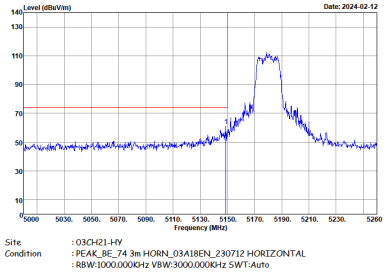
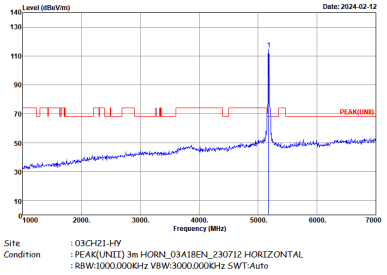
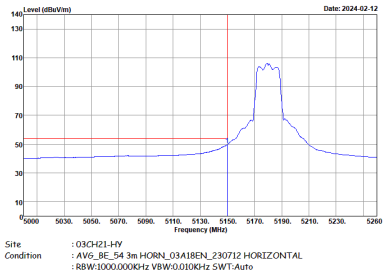
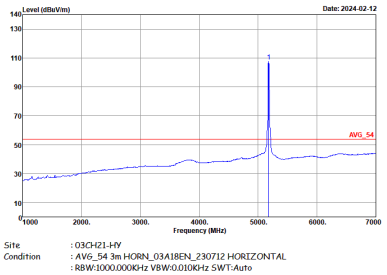
Test Engineer :	Jack Cheng, Ray Lung and Sky Chung	**Temperature :**	18~26°C
		Relative Humidity :	50~70%

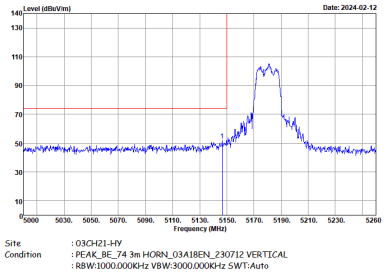
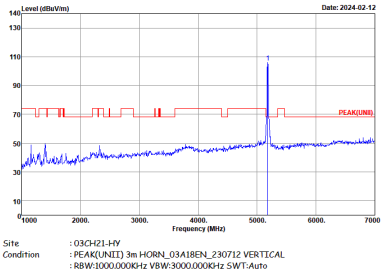
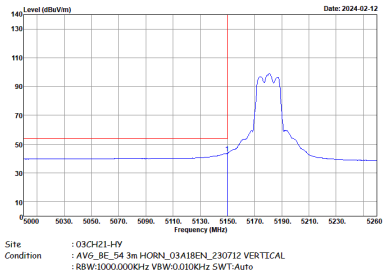
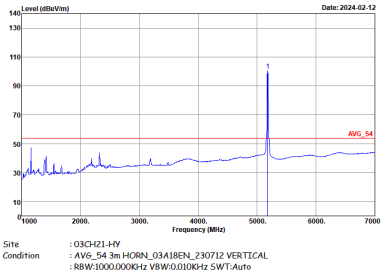
Note symbol

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

Band 1 - 5150~5250MHz

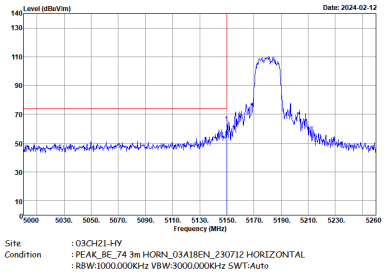
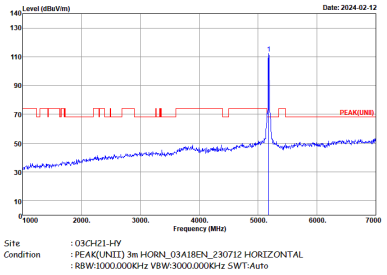
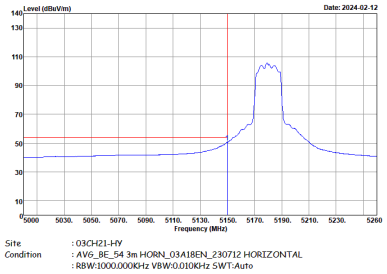
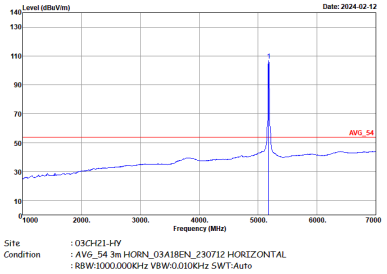
WIFI 802.11a (Band Edge @ 3m)

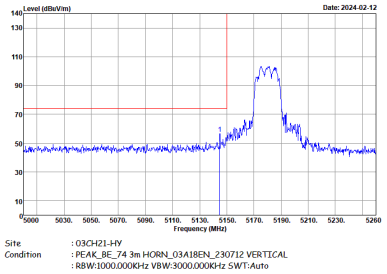
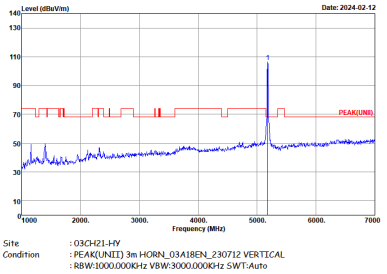
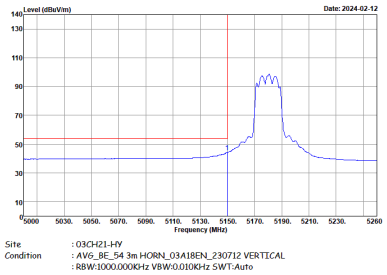
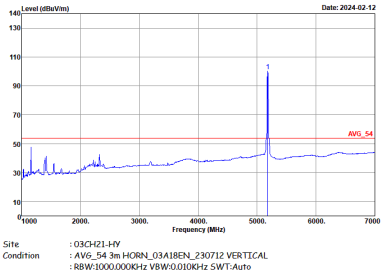
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

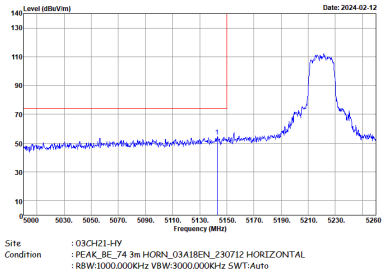
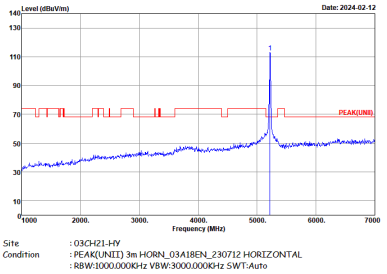
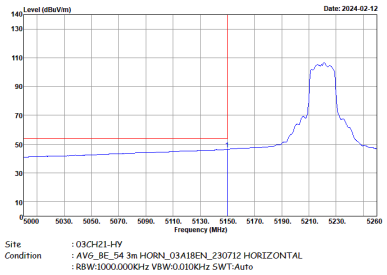
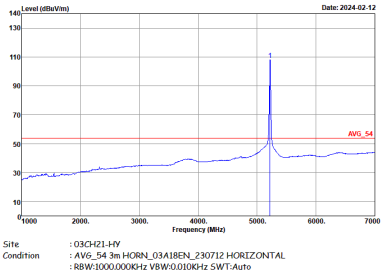
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

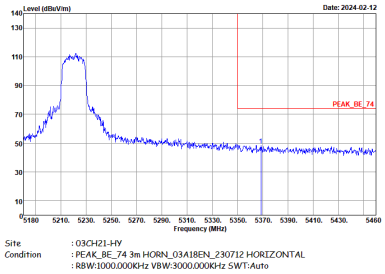
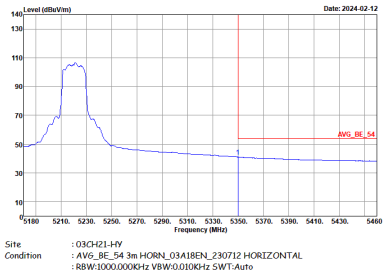
Band 1 5150~5250MHz

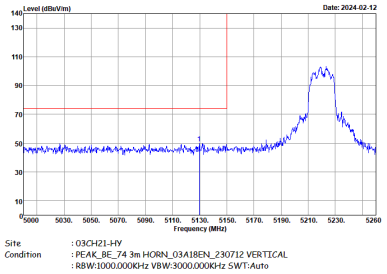
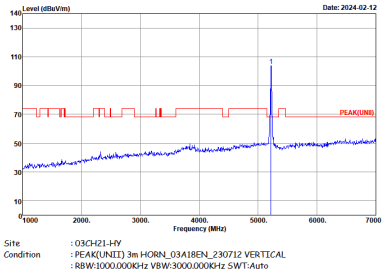
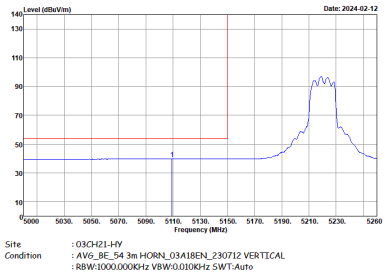
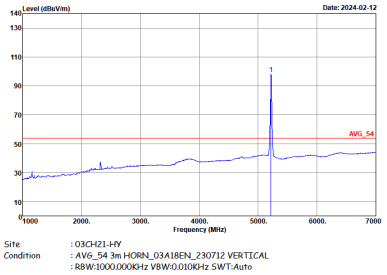
WIFI 802.11n HT20 (Band Edge @ 3m)

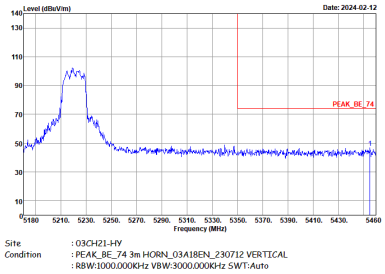
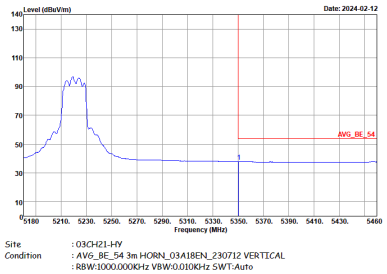
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

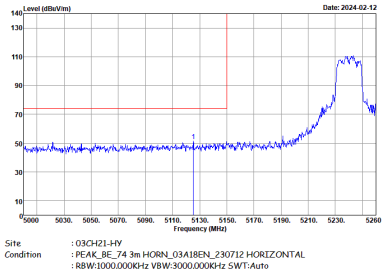
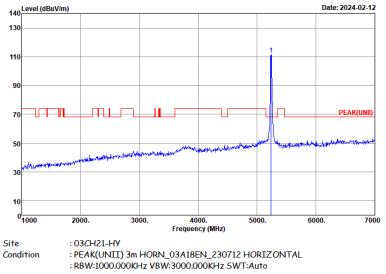
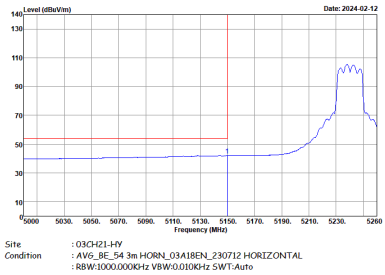
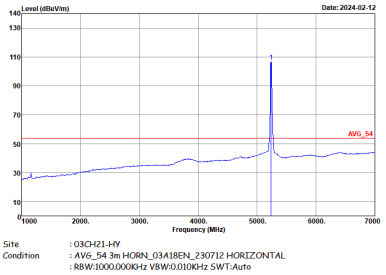
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

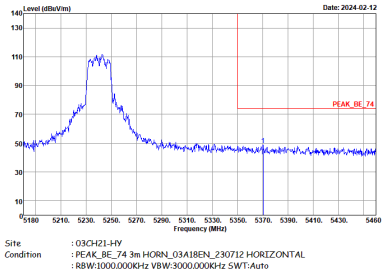
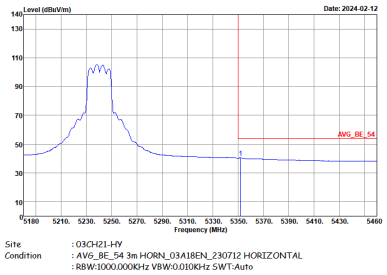
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

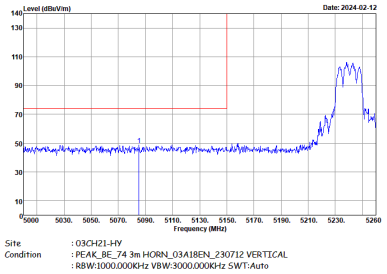
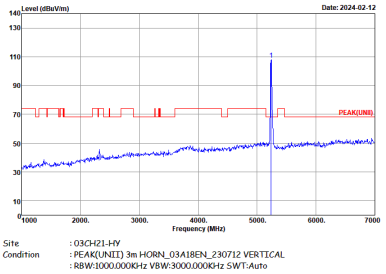
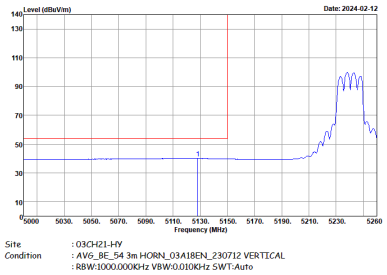
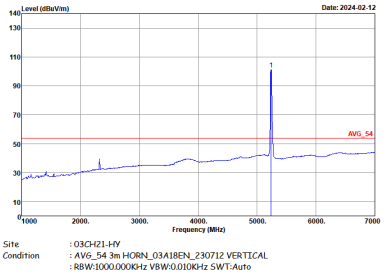
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

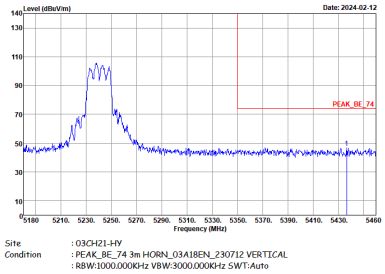
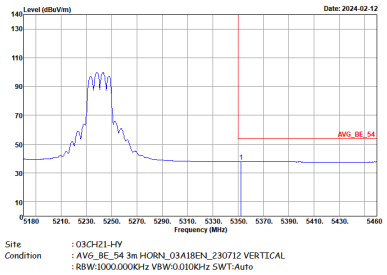
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

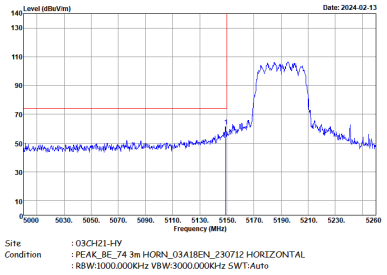
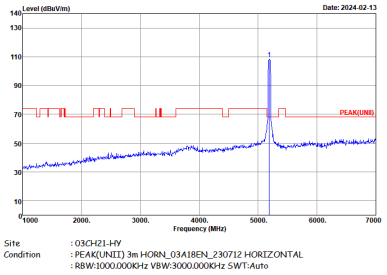
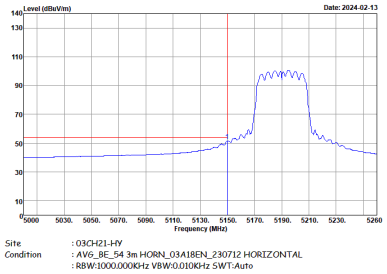
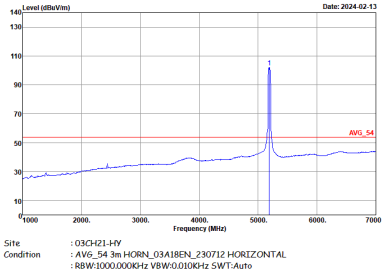
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

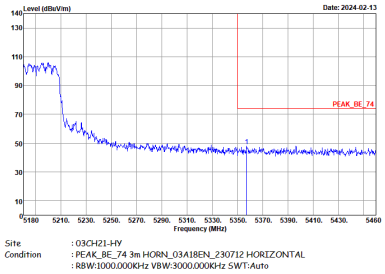
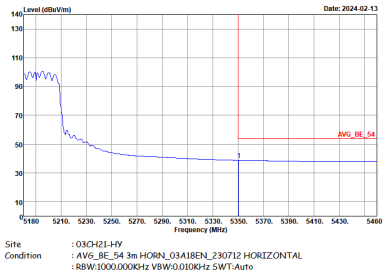
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

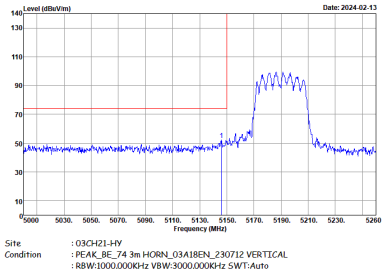
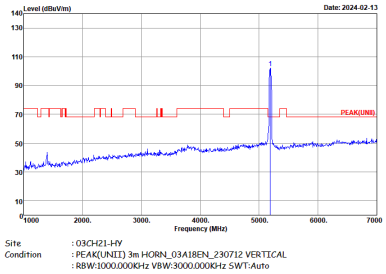
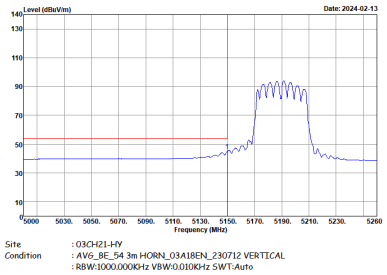
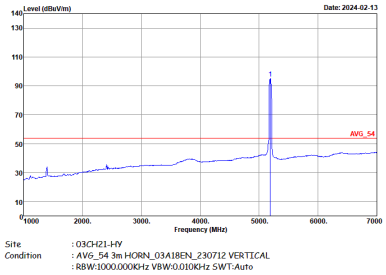
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

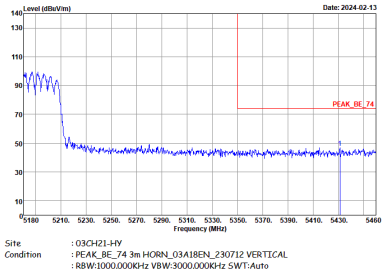
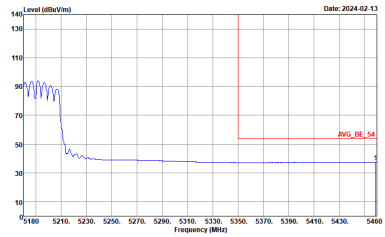
Band 1 5150~5250MHz

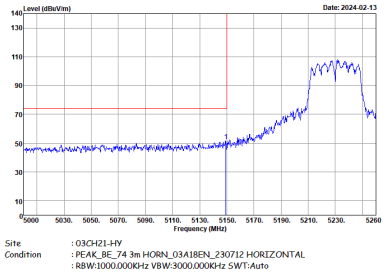
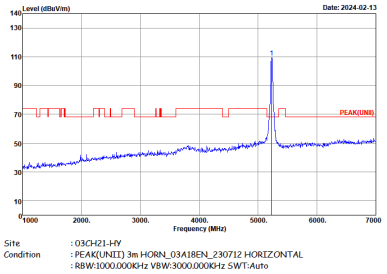
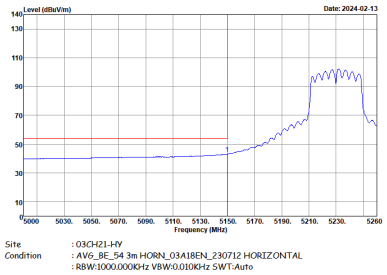
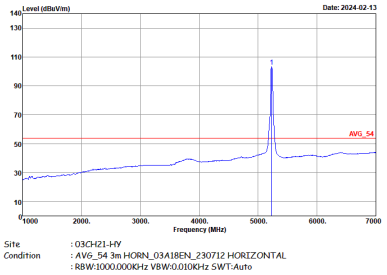
WIFI 802.11n HT40 (Band Edge @ 3m)

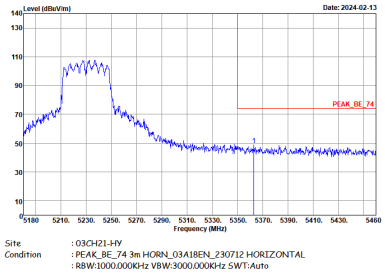
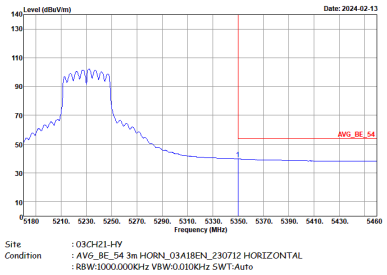
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

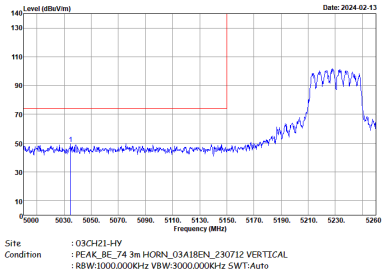
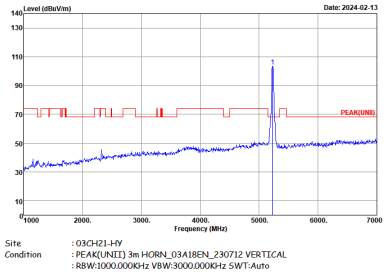
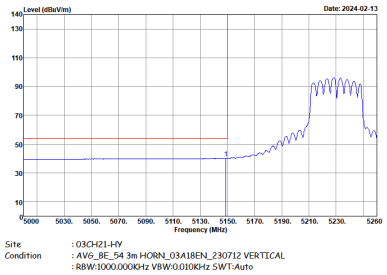
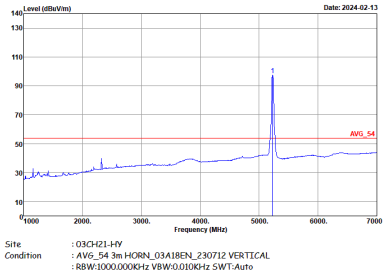
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

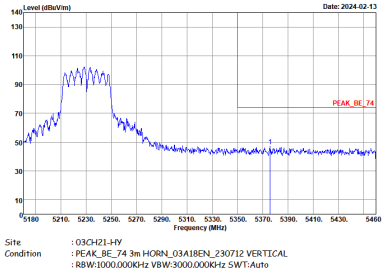
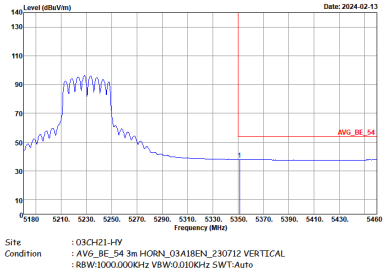
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

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

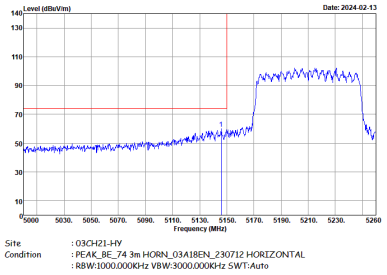
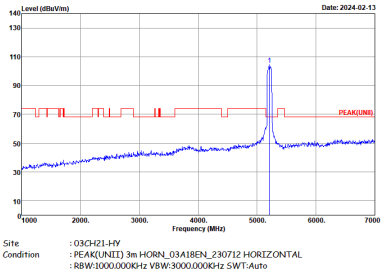
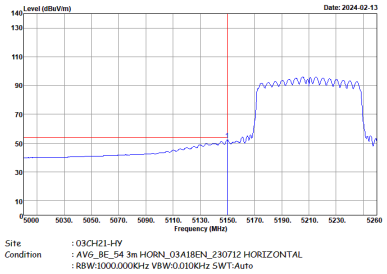
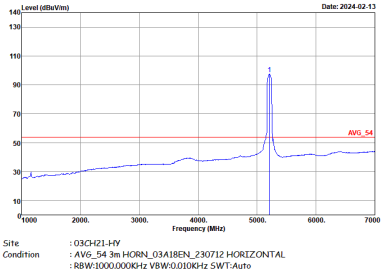
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

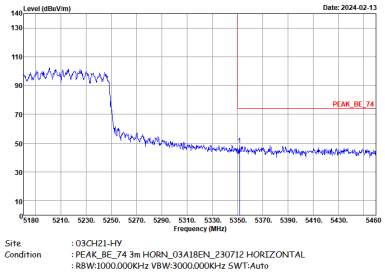
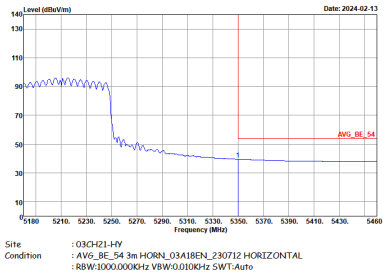
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

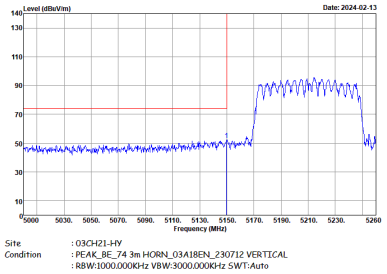
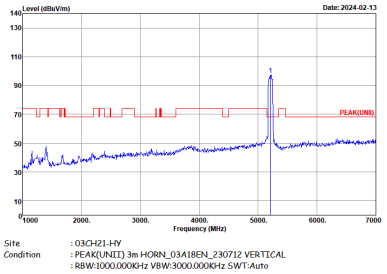
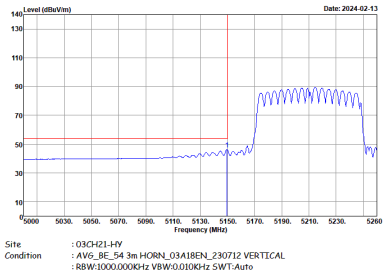
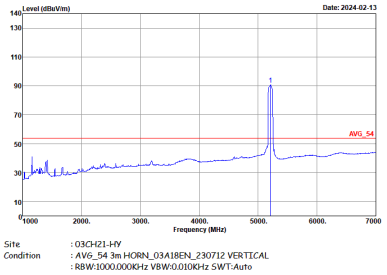
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

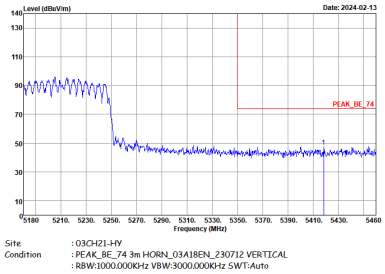
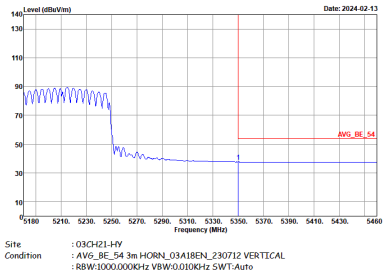
Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

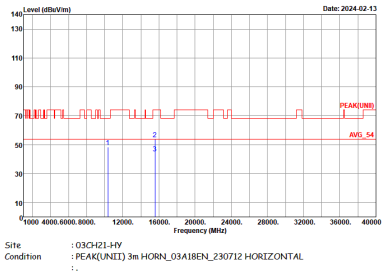
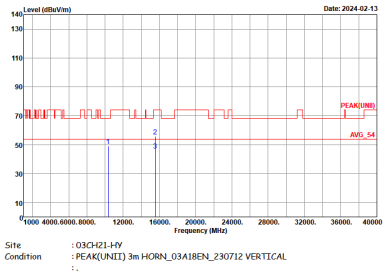
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

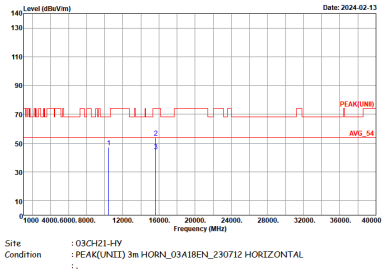
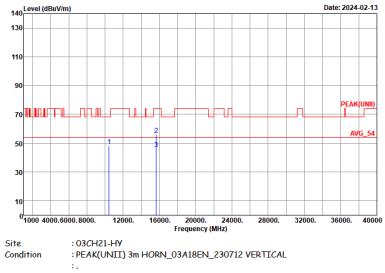
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

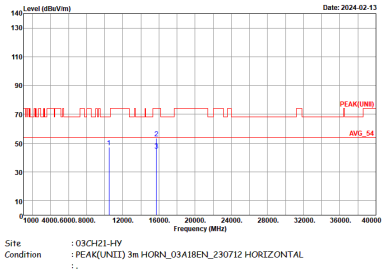
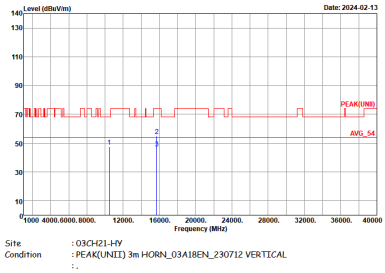
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

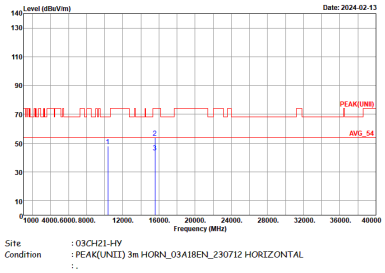
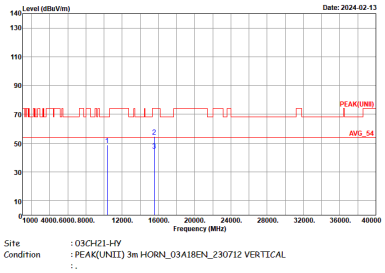
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

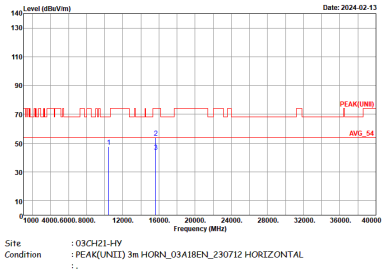
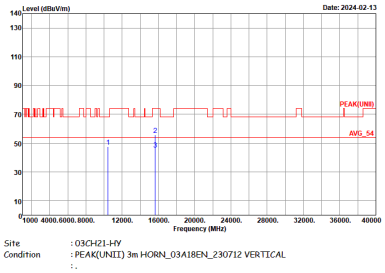
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

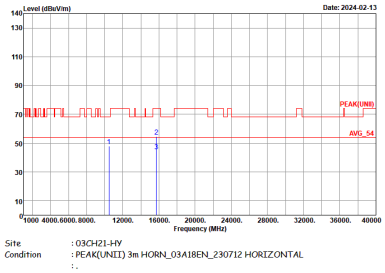
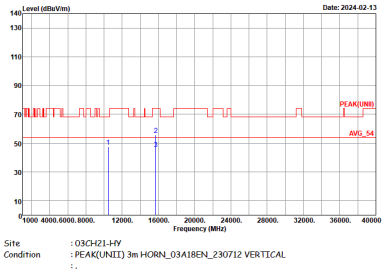
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

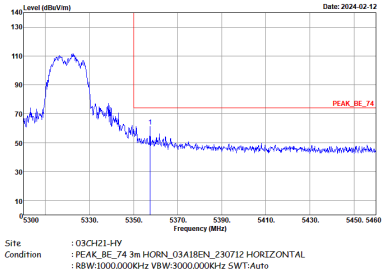
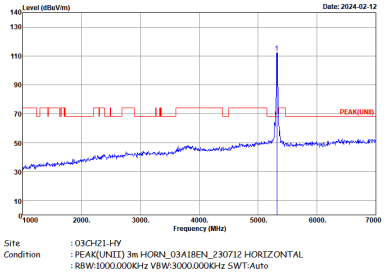
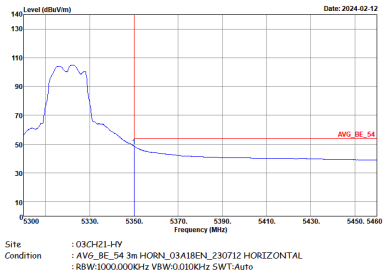
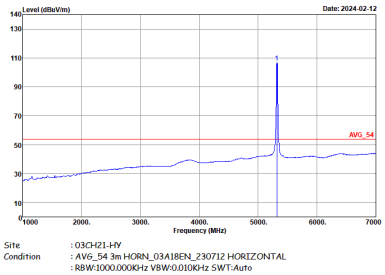
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.		

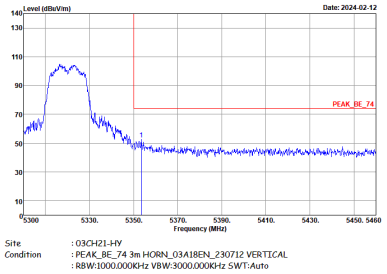
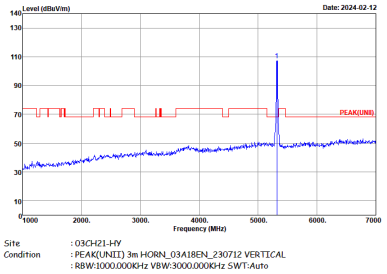
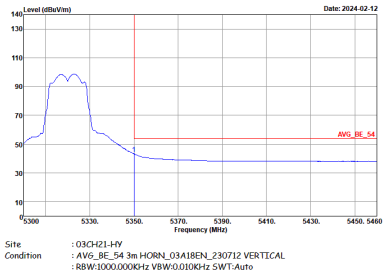
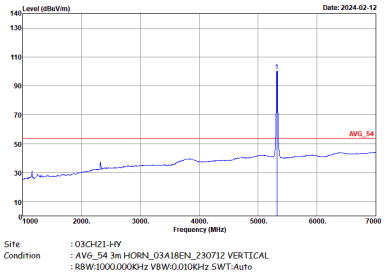
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.		

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

Band 2 - 5250~5350MHz

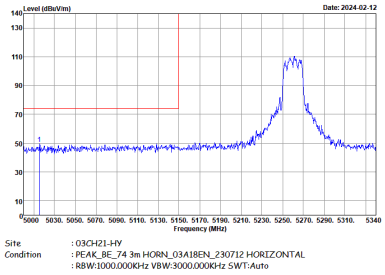
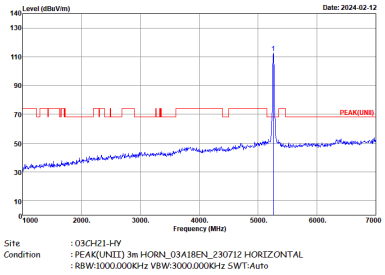
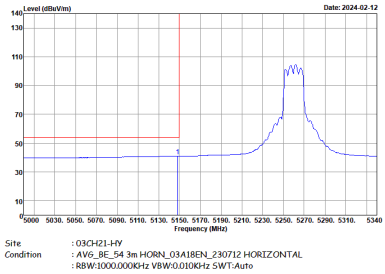
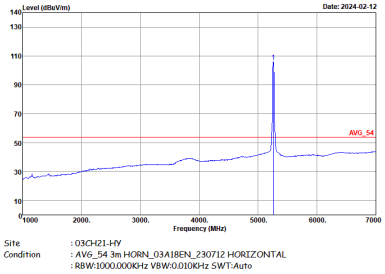
WIFI 802.11a (Band Edge @ 3m)

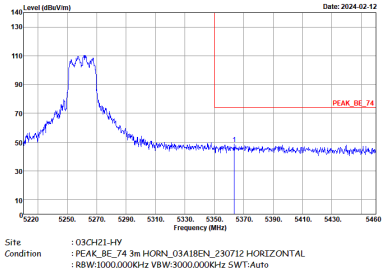
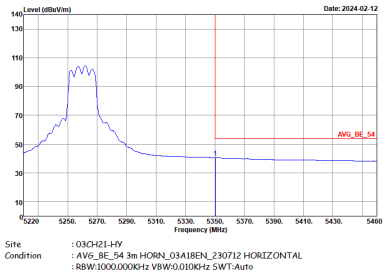
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

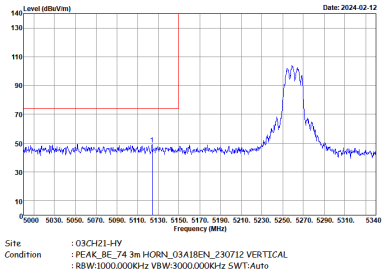
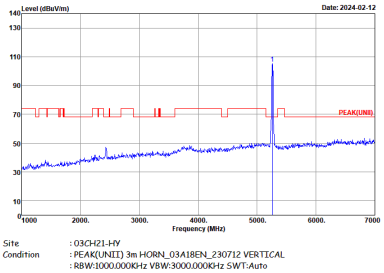
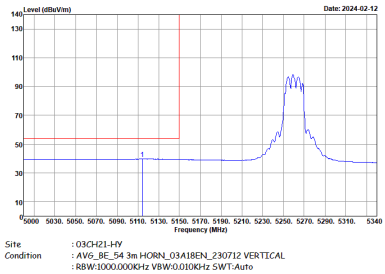
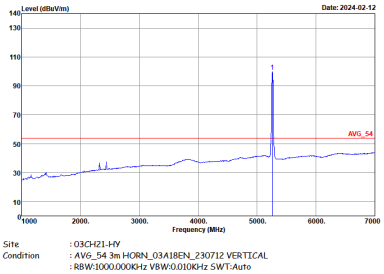
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

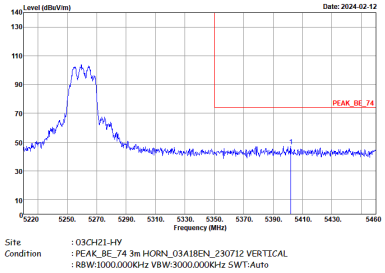
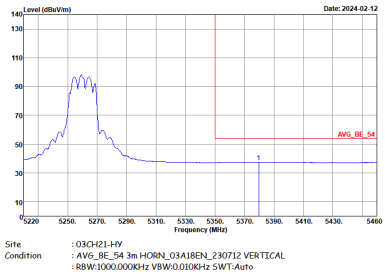
Band 2 5250~5350MHz

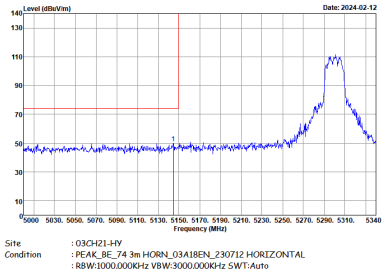
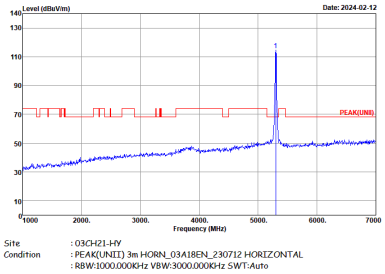
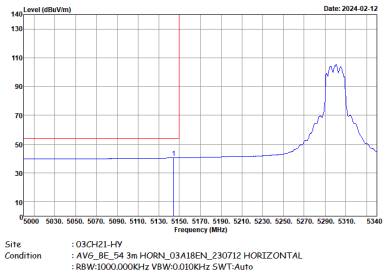
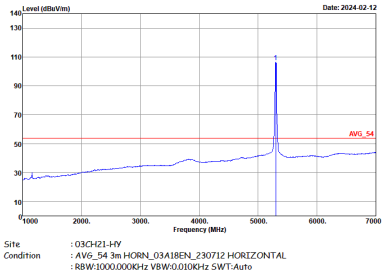
WIFI 802.11n HT20 (Band Edge @ 3m)

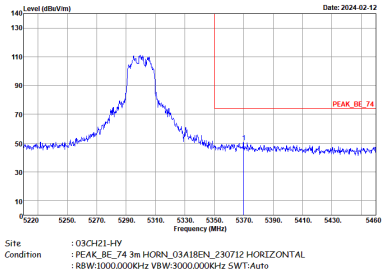
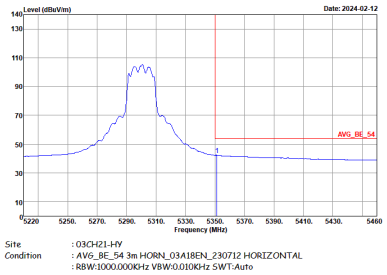
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

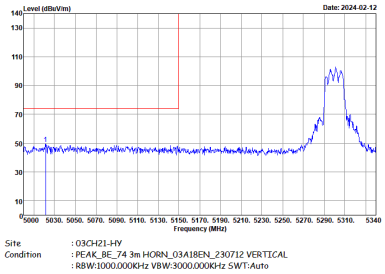
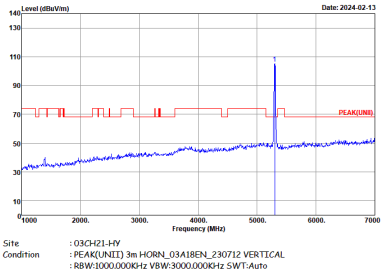
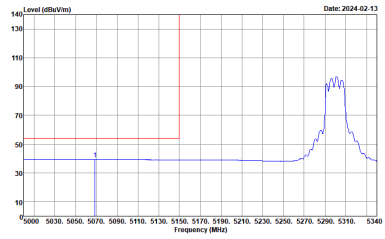
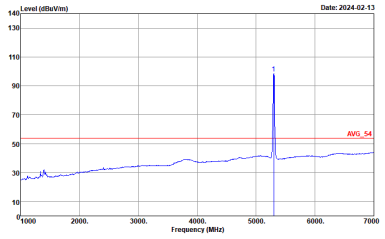
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

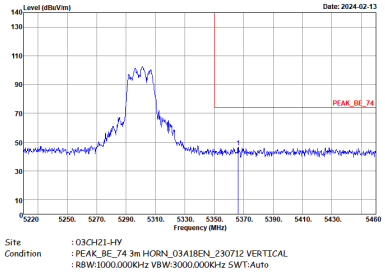
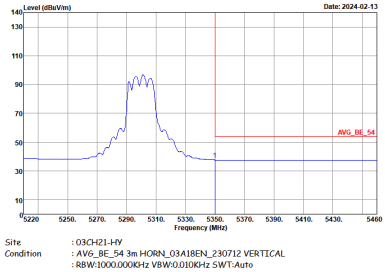
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

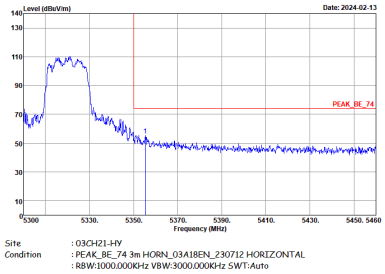
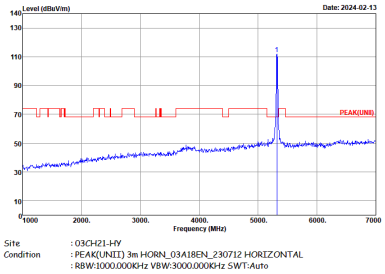
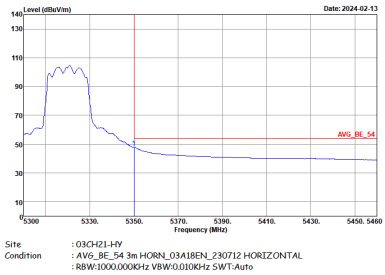
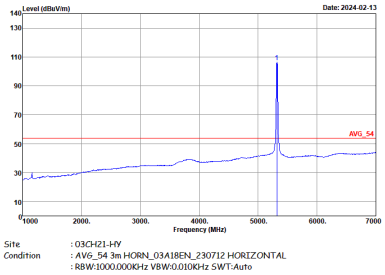
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

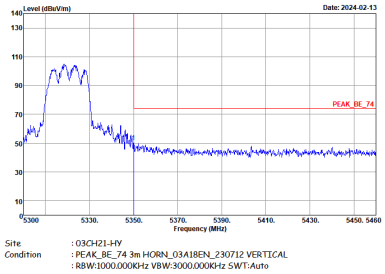
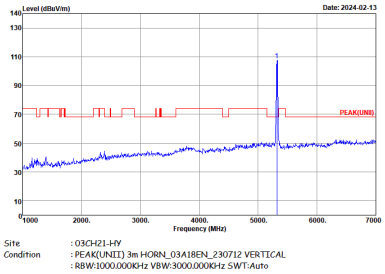
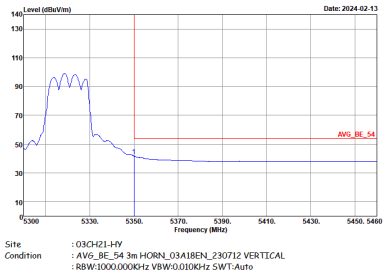
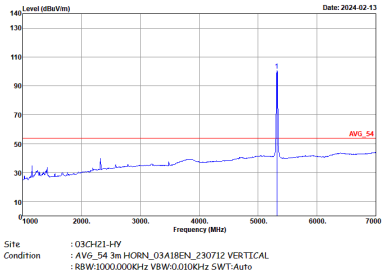
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Horizontal	Vertical
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

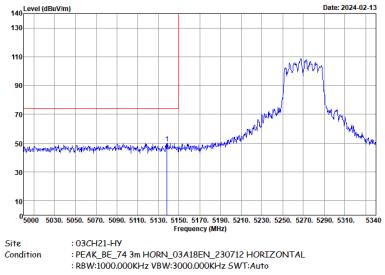
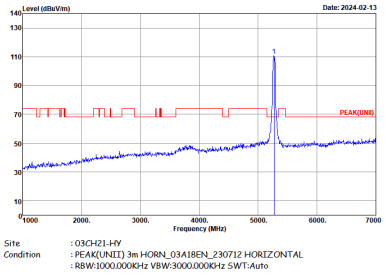
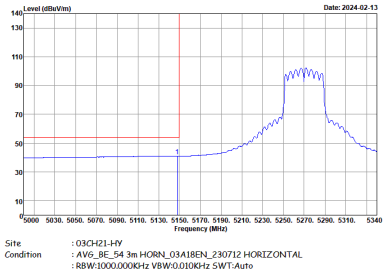
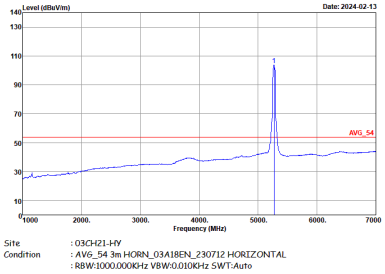
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

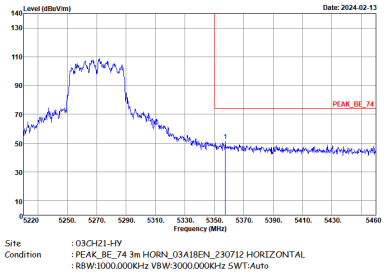
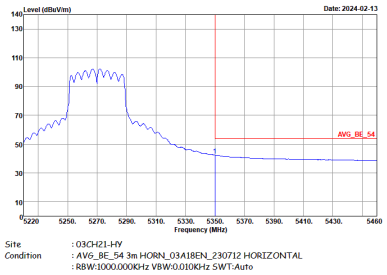
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

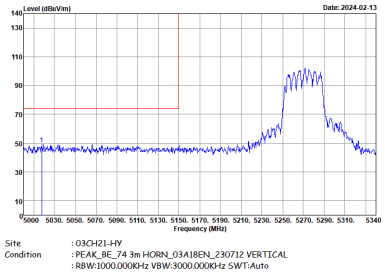
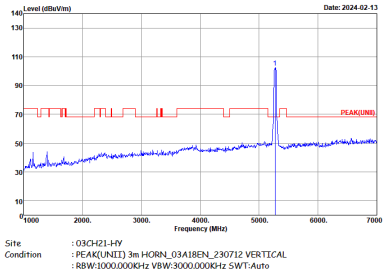
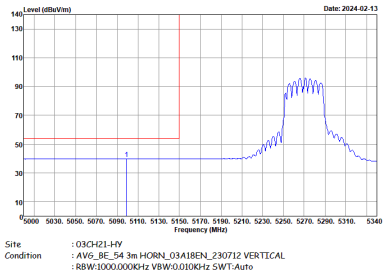
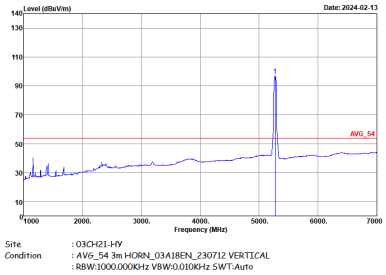
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

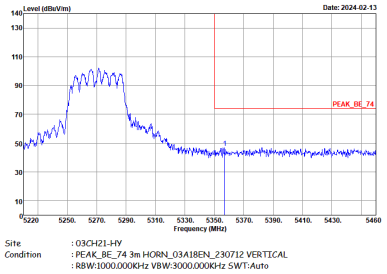
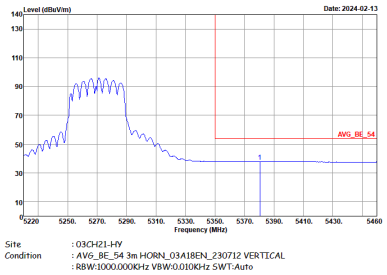
Band 2 5250~5350MHz

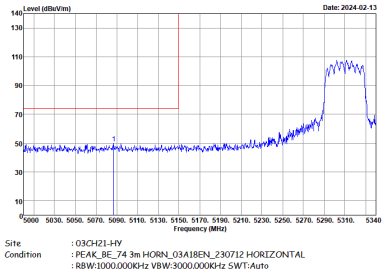
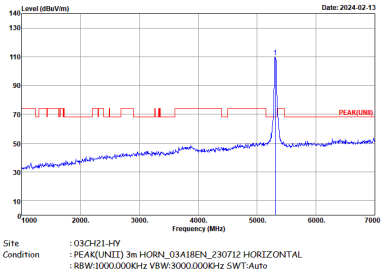
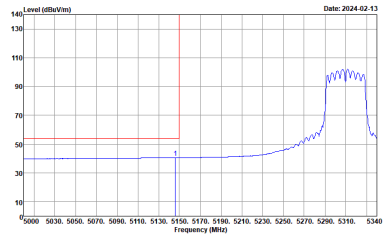
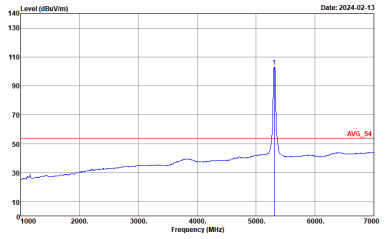
WIFI 802.11n HT40 (Band Edge @ 3m)

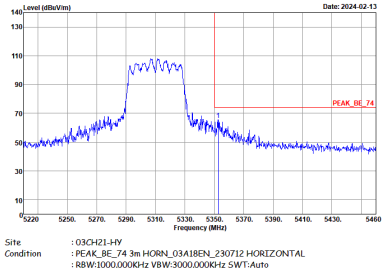
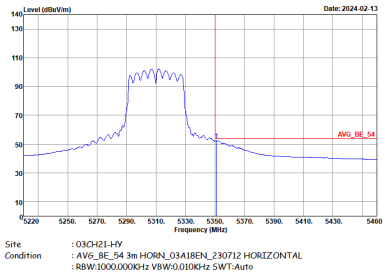
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

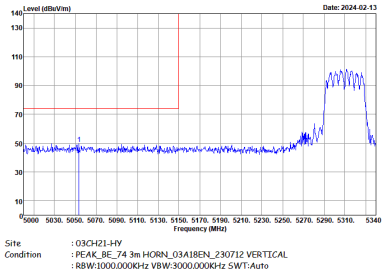
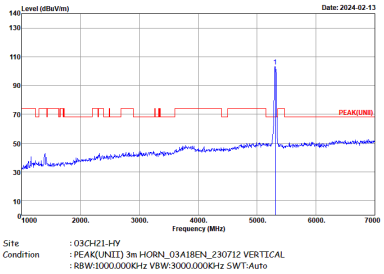
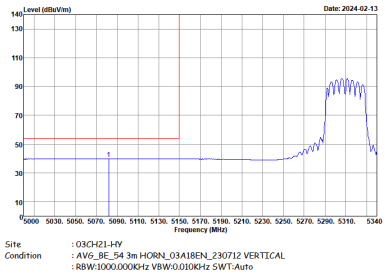
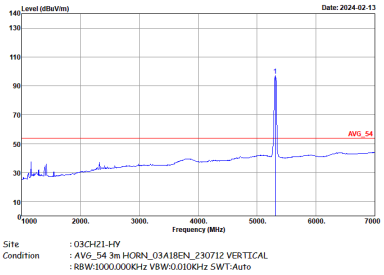
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

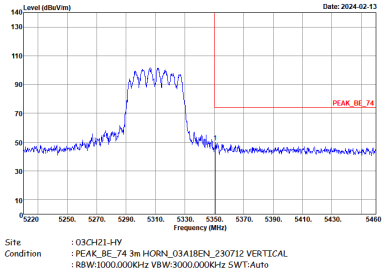
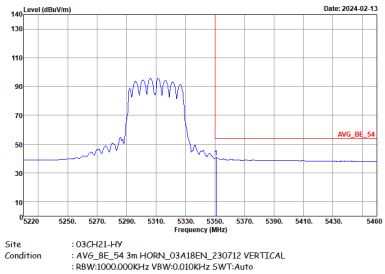
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1+2	Vertical	Vertical
Peak		
Avg.		

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

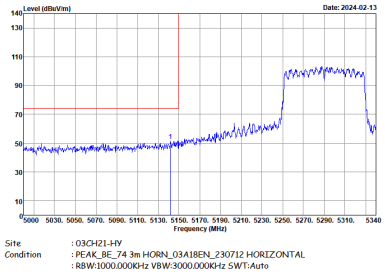
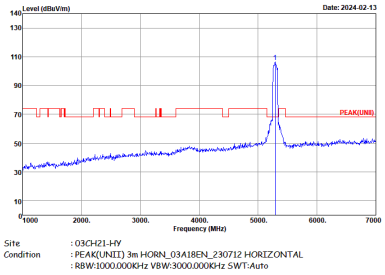
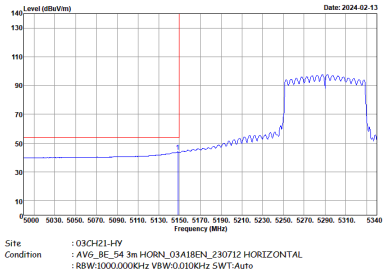
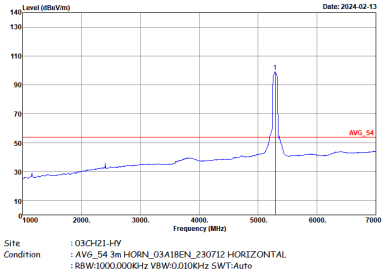
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

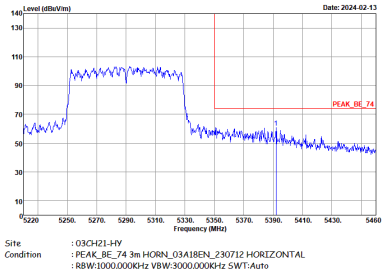
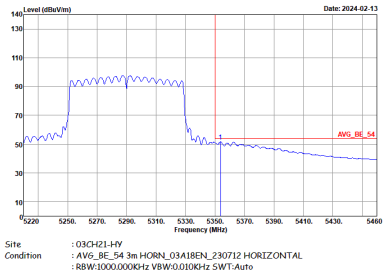
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE_74 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

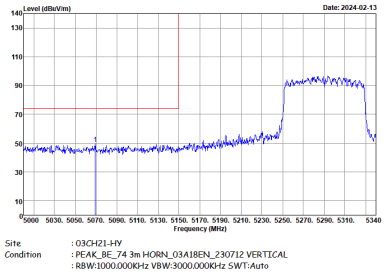
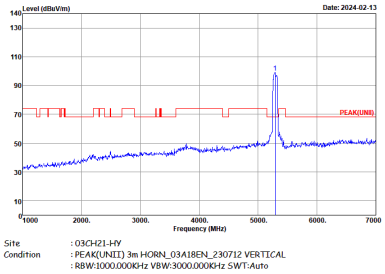
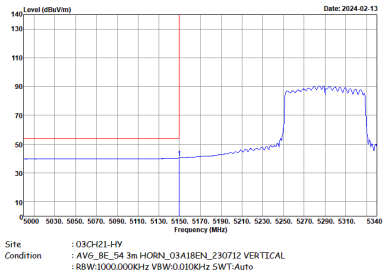
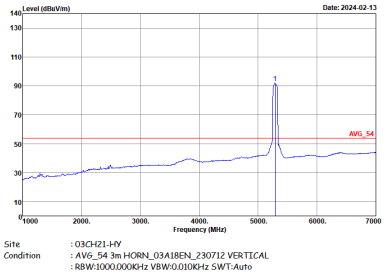
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

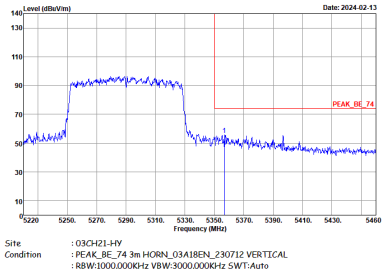
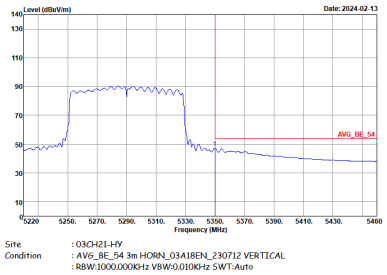
Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

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

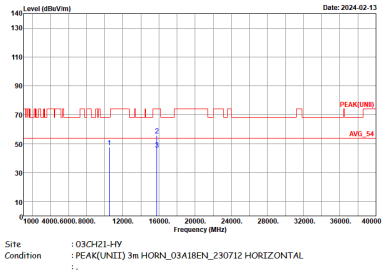
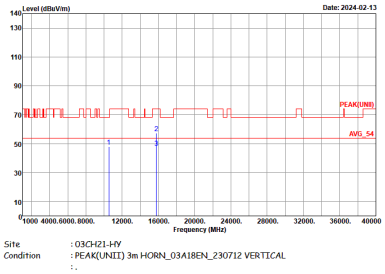
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

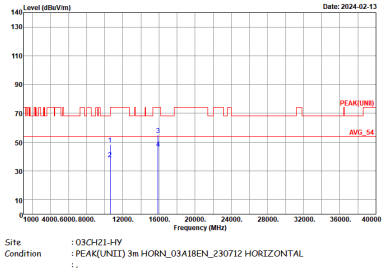
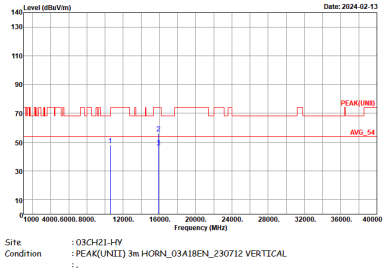
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

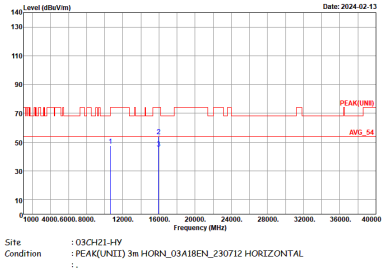
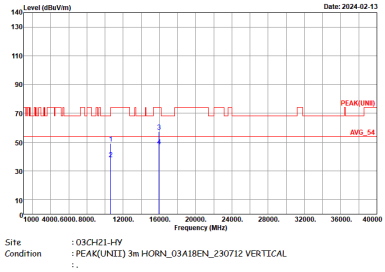
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

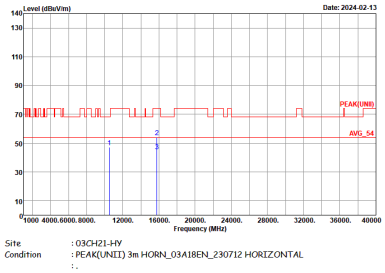
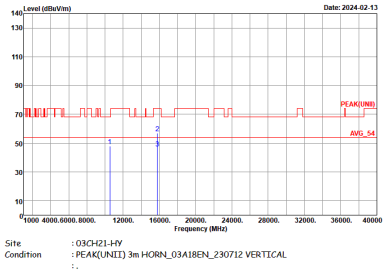
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

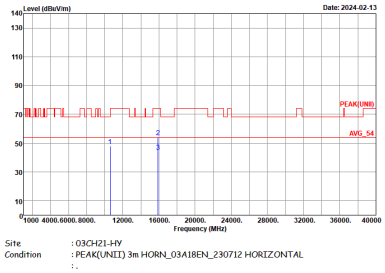
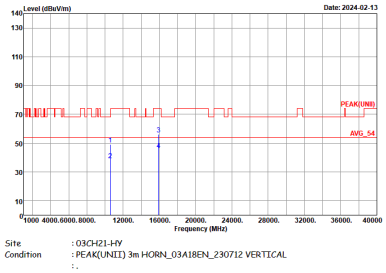
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

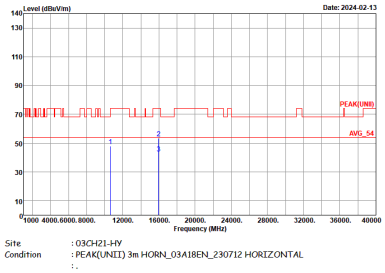
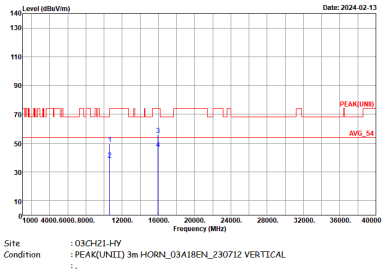
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

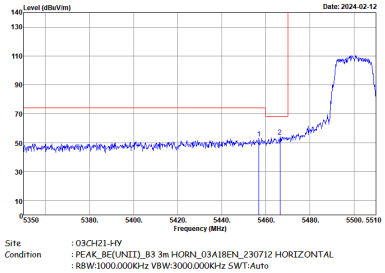
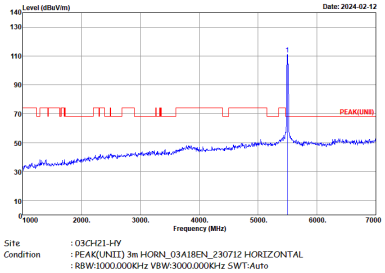
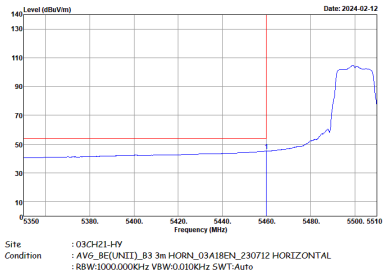
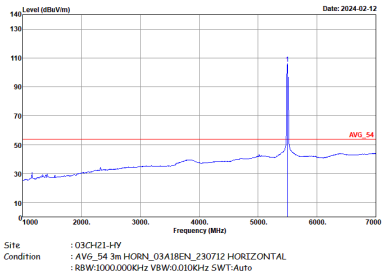
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.		

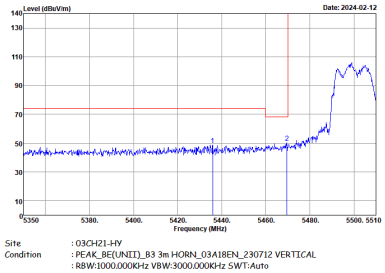
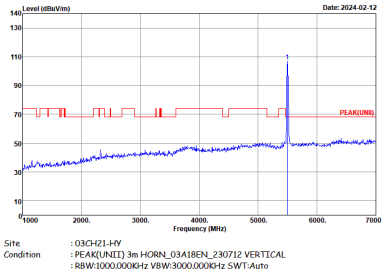
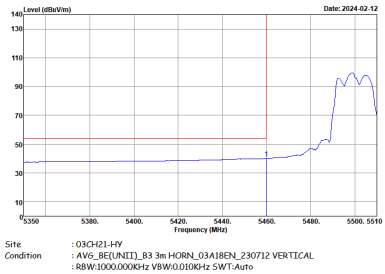
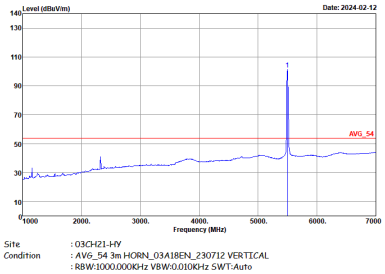
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.		

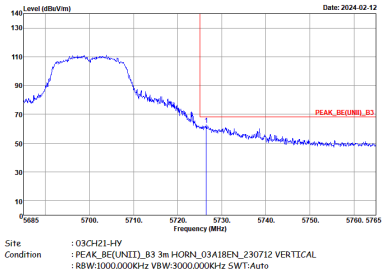
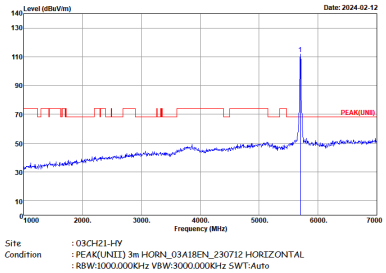
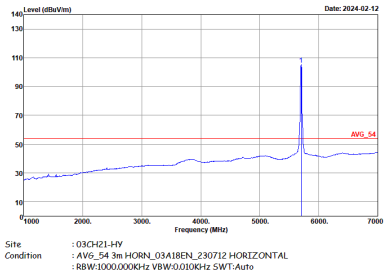
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.		

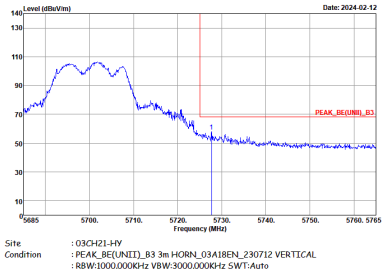
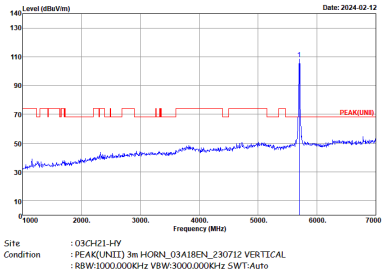
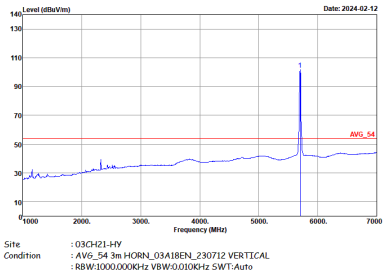
Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

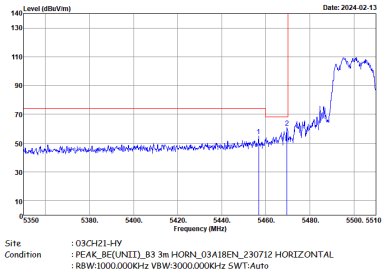
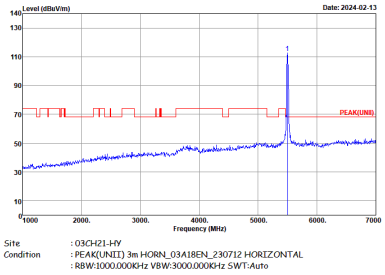
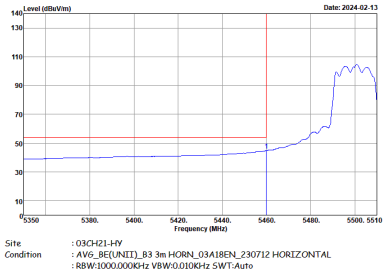
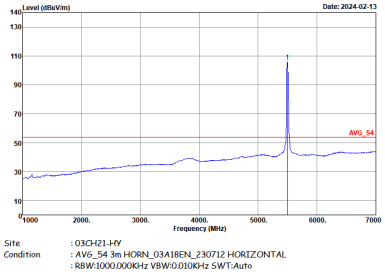
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

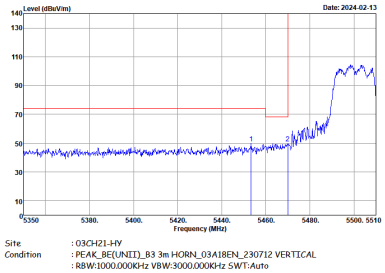
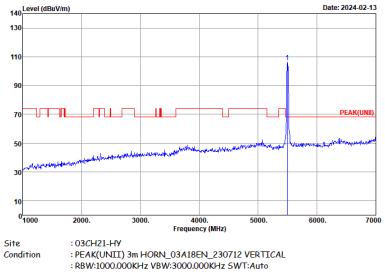
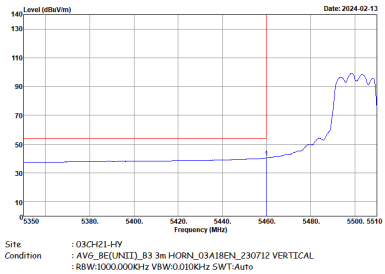
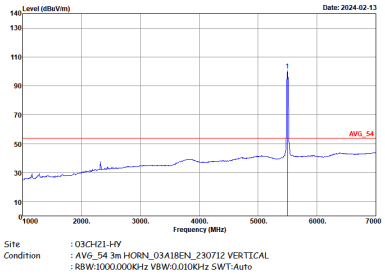
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.	Left blank	

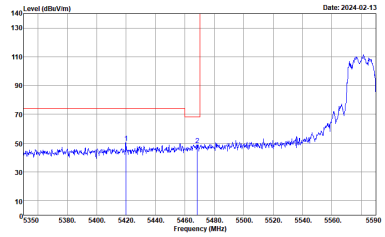
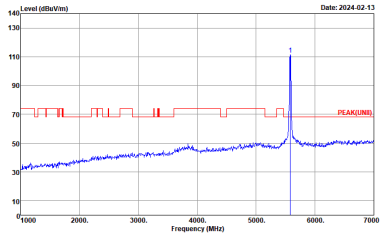
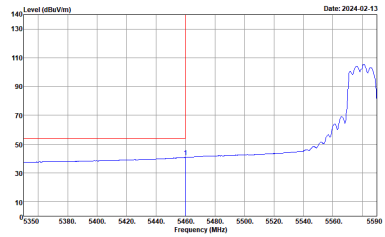
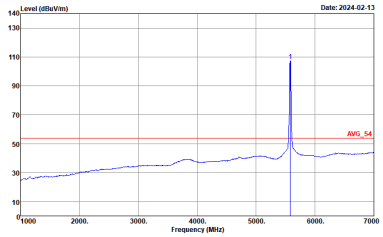
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Vertical	Fundamental
Peak		
Avg.	Left blank	

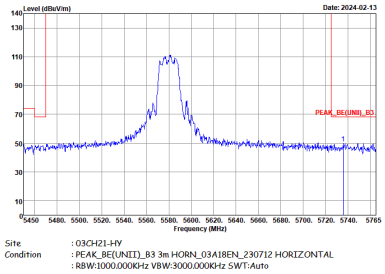
Band 3 5470~5725MHz

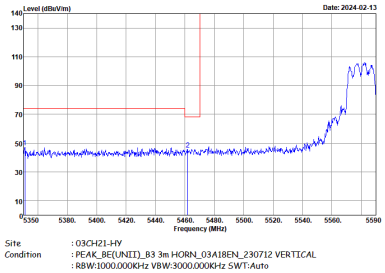
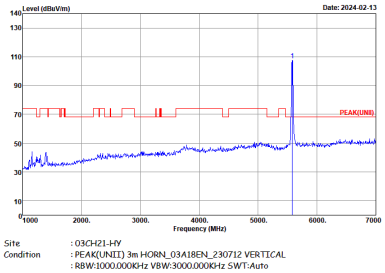
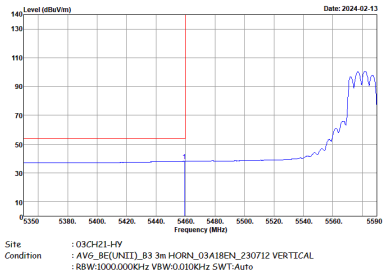
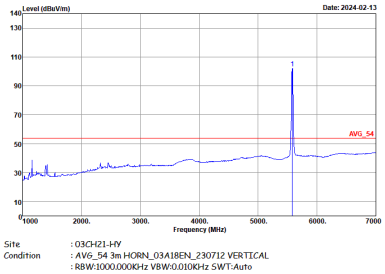
WIFI 802.11n HT20 (Band Edge @ 3m)

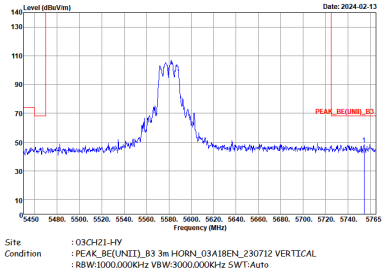
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.		

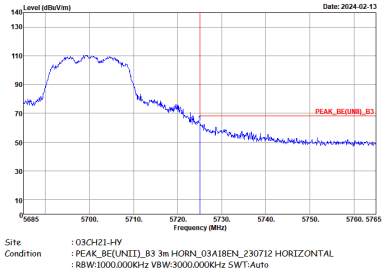
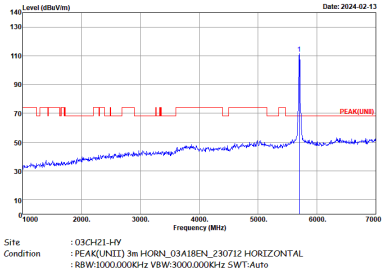
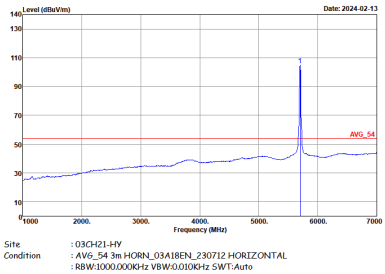
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Vertical	Fundamental
Peak		
Avg.		

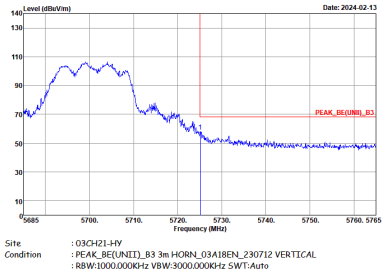
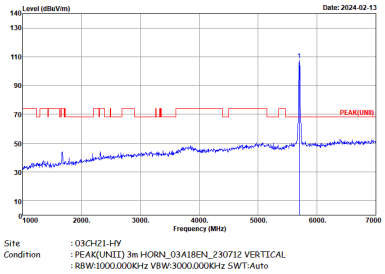
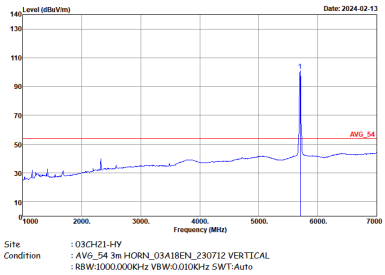
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

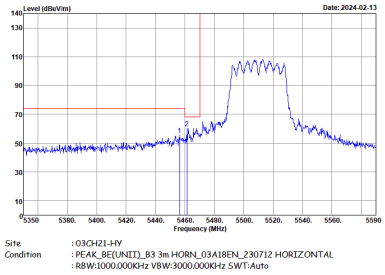
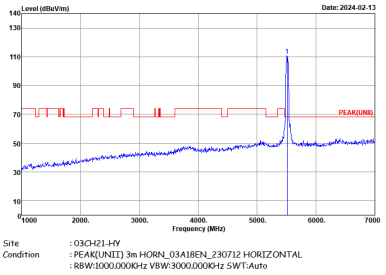
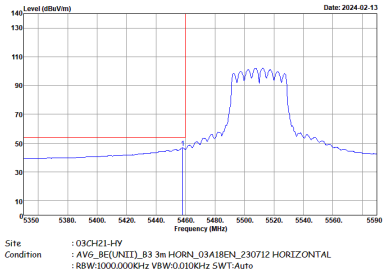
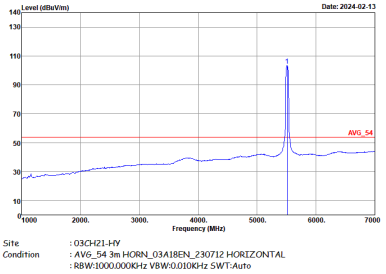
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

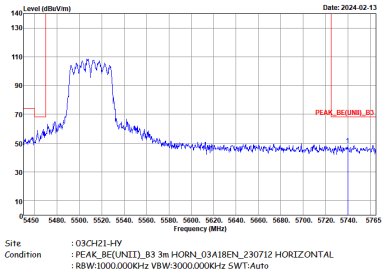
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Fundamental
Peak		
Avg.	Left blank	

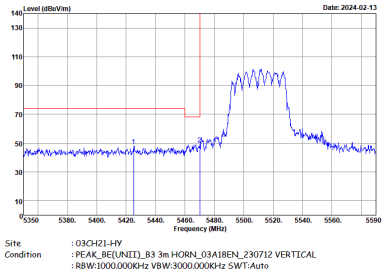
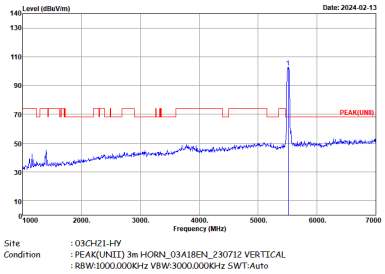
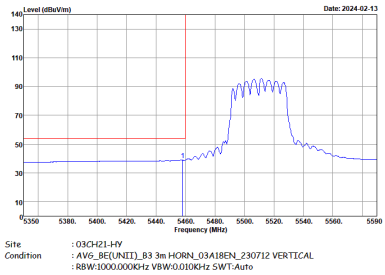
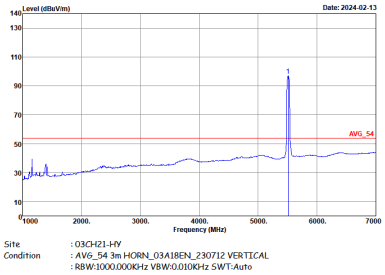
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Vertical	Fundamental
Peak.		
Avg.	Left blank	

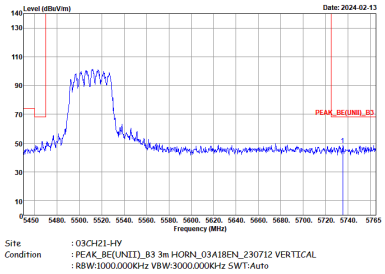
Band 3 5470~5725MHz

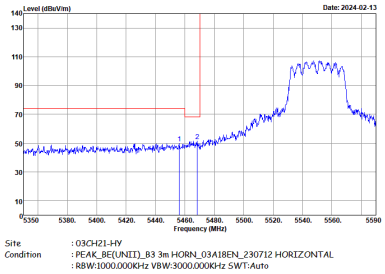
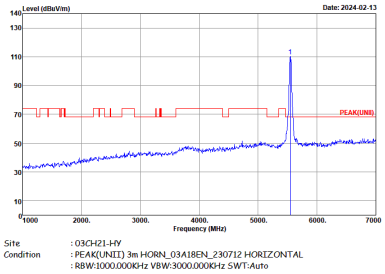
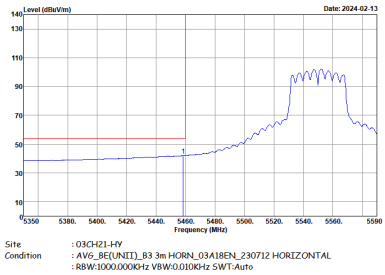
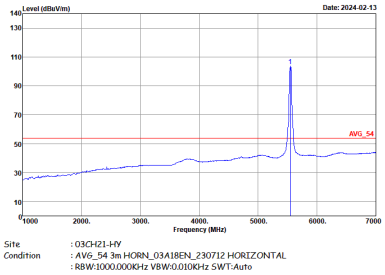
WIFI 802.11n HT40 (Band Edge @ 3m)

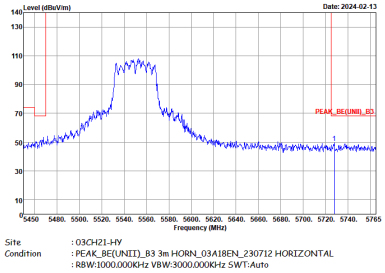
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

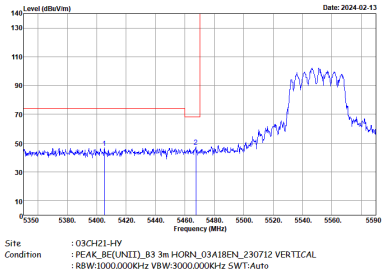
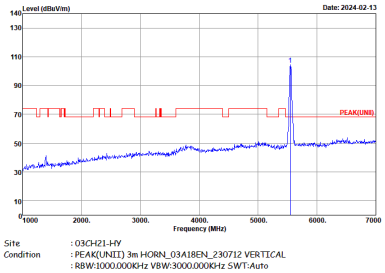
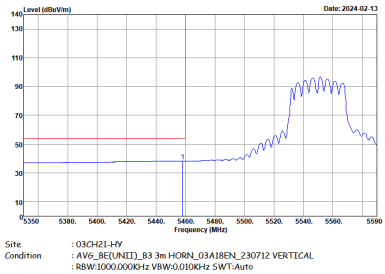
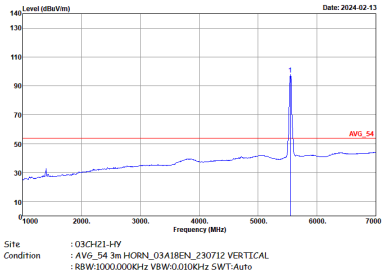
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

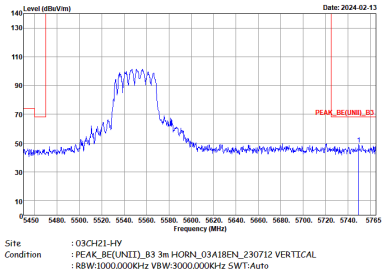
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

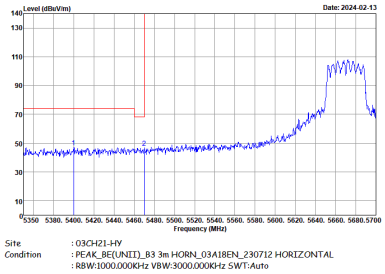
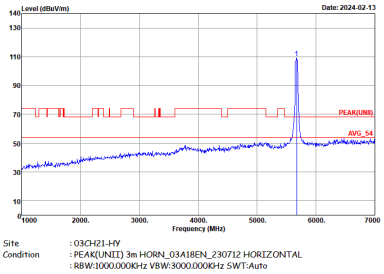
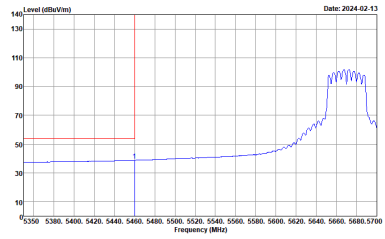
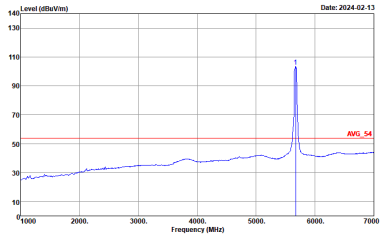
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

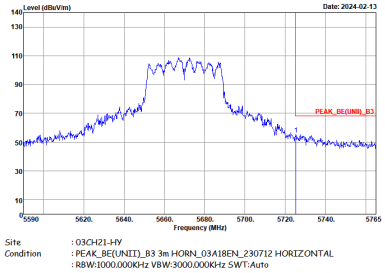
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

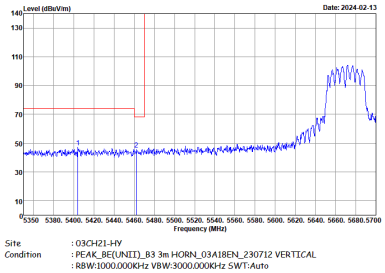
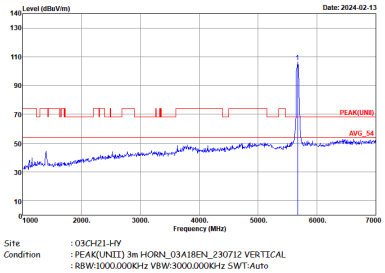
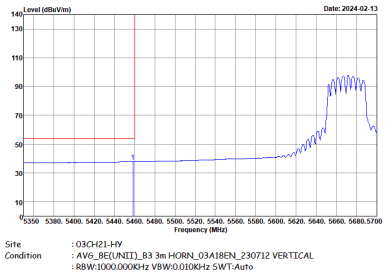
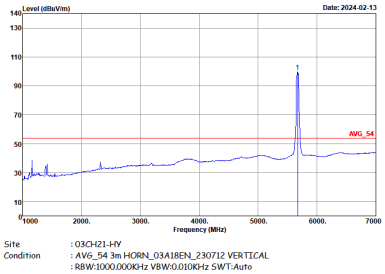
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

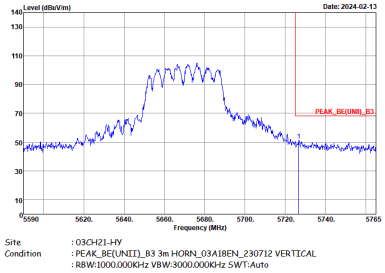
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

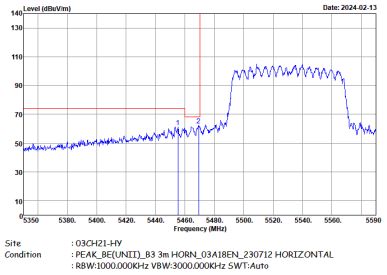
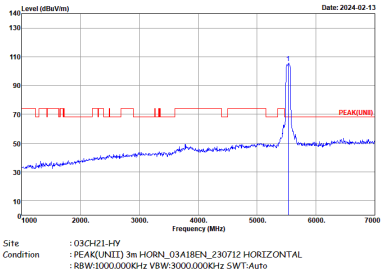
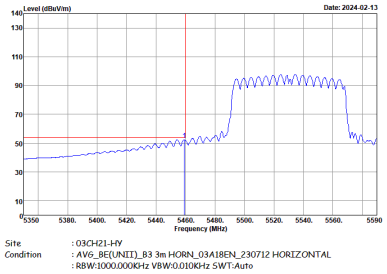
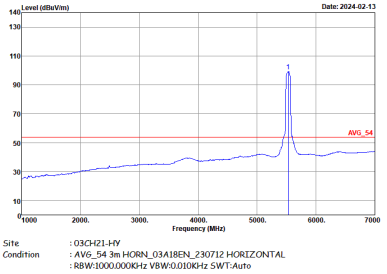
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

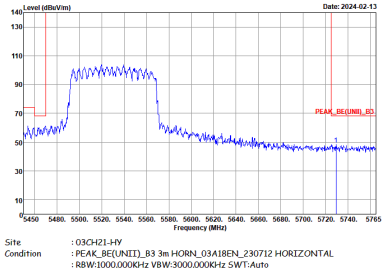
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

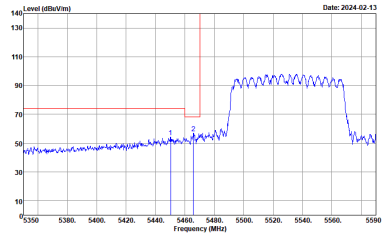
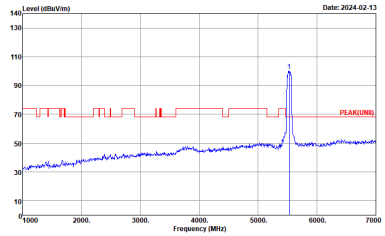
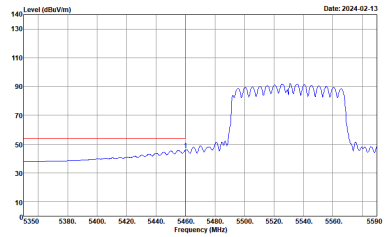
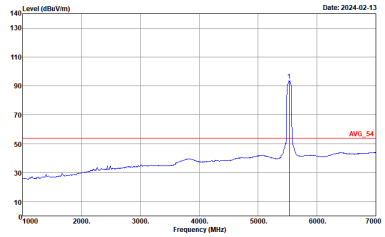
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

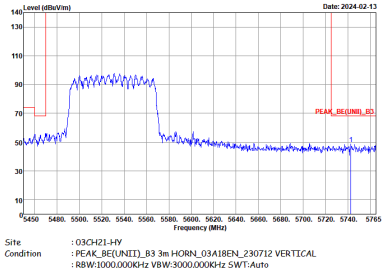
Band 3 5470~5725MHz

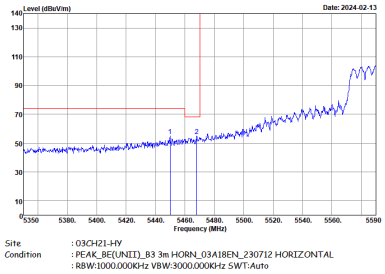
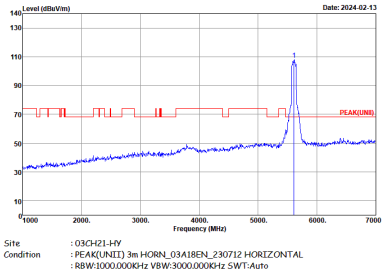
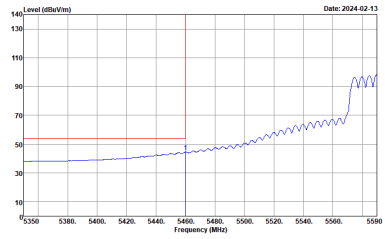
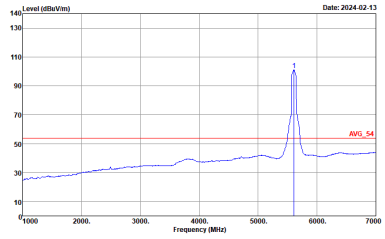
WIFI 802.11ac VHT80 (Band Edge @ 3m)

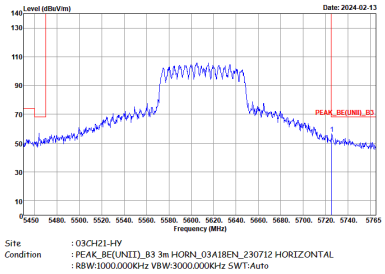
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

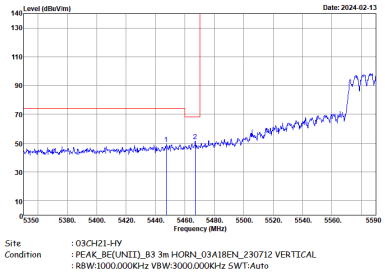
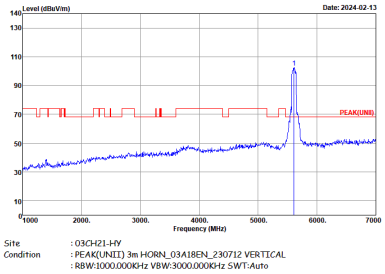
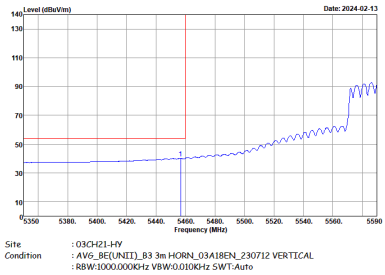
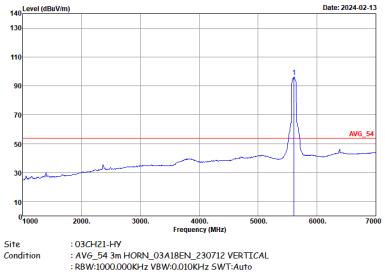
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank

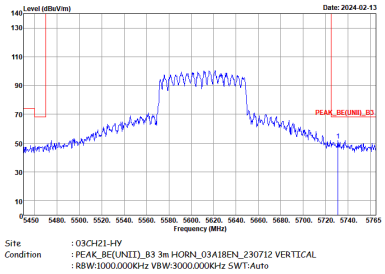
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1+2	Vertical	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH21-HY Condition : PEAK(UNII) 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH21-HY Condition : AVG_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH21-HY Condition : AVG_54 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

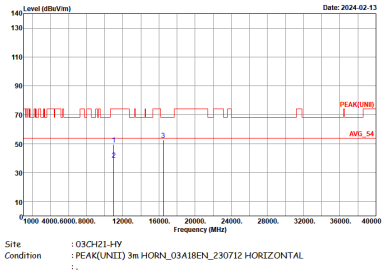
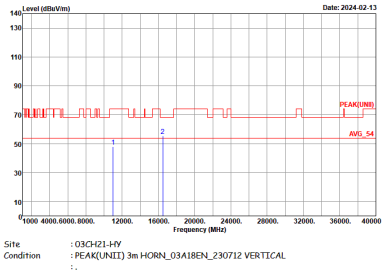
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Horizontal	Fundamental
Peak	 Site : 03CH21-HY Condition : PEAK_BE(UNII)_B3 3m HORN_03A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

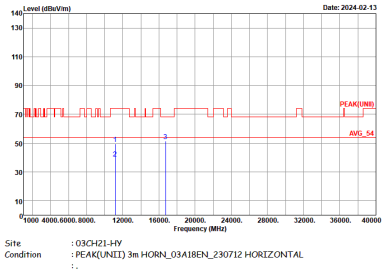
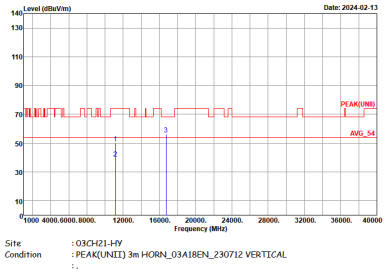
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1+2	Vertical	Fundamental
Peak		
Avg.		

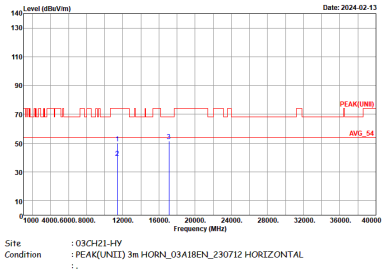
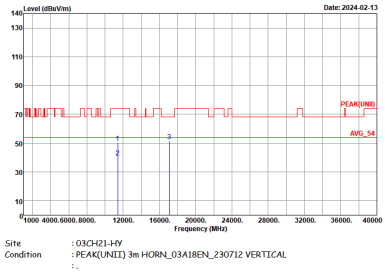
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1+2	Vertical	Fundamental
Peak		Left blank

Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

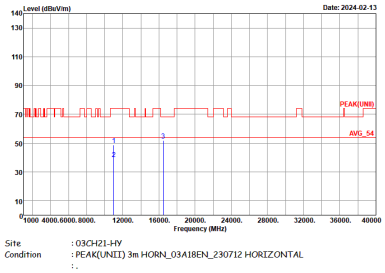
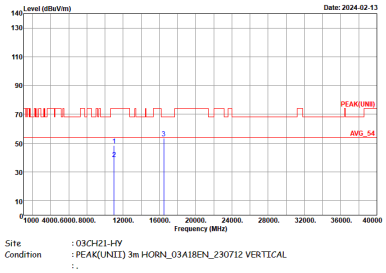
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

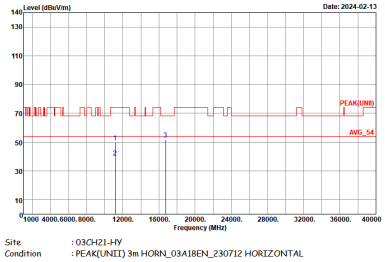
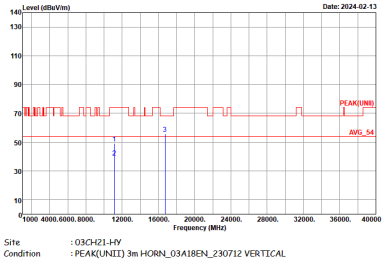
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

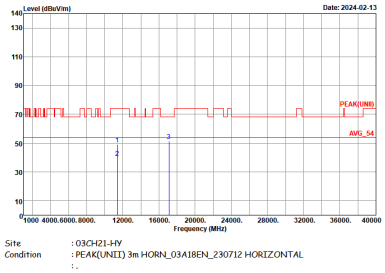
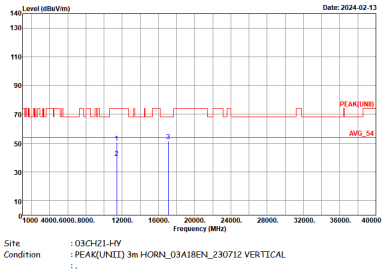
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

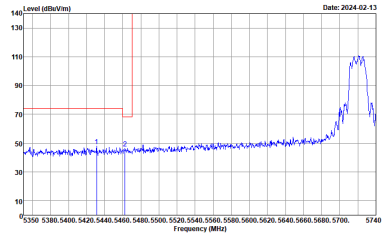
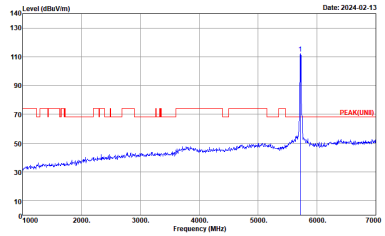
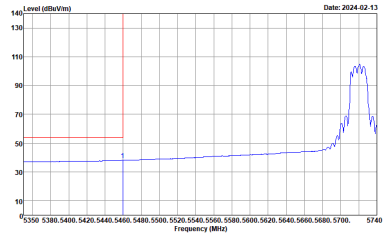
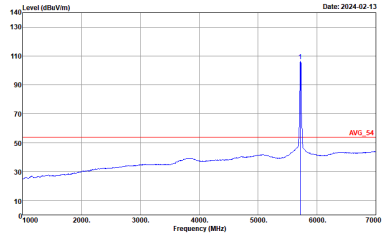
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.		

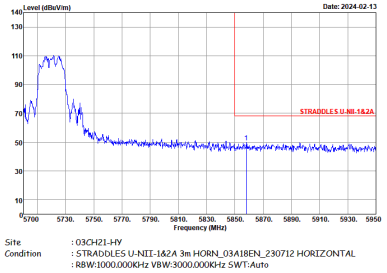
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.		

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.		

Band 3 – Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - L	
1+2	Horizontal	Fundamental
Peak		
Avg.		

WIFI	Band 3 Straddle Channel Band Edge @ 3m	
ANT	802.11n CH144 5720MHz - R	
1+2	Horizontal	Fundamental
Peak		Left blank