FCC RADIO TEST REPORT

FCC ID	:	CNFAMFR1
Equipment	:	Camera
Brand Name	:	GoPro
Model Name	:	AMFR1
Applicant	:	GoPro, Inc. 3025 Clearview Way San Mateo, CA 94402 United States of America
Manufacturer	:	GoPro, Inc. 3025 Clearview Way San Mateo, CA 94402 United States of America
Standard	:	FCC Part 15 Subpart E §15.407

The product was received on Jan. 11, 2024 and testing was performed from Jan. 15, 2024 to Mar. 06, 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
FR3D2932D	01	Initial issue of report	Mar. 08, 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	2.14 dB under the limit at 180.12 MHz
3.5	15.207	AC Conducted Emission	Pass	19.30 dB under the limit at 0.57 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: Lewis Ho

Report Producer: Ming Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac **Antenna Type** WLAN: FPC Loop Antenna Bluetooth: FPC Loop Antenna

Antenna information		
5150 MHz ~ 5250 MHz	Peak Gain (dBi)	2.72
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	2.26
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	2.82

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH22-HY

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

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

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

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

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

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

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 VHT20/ VHT40 mode is smaller than 802.11n mode, so all other conducted and radiated test is covered by 802.11n mode.

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

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

Test Cases	
AC Conducted Emission	Mode 1 ： WLAN (5GHz) Link + USB Cable (Type A to C) (Charging from Adapter)
Remark: For Radiated Test Cases, the tests were performed with USB Cable1 (Type A to C).	

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

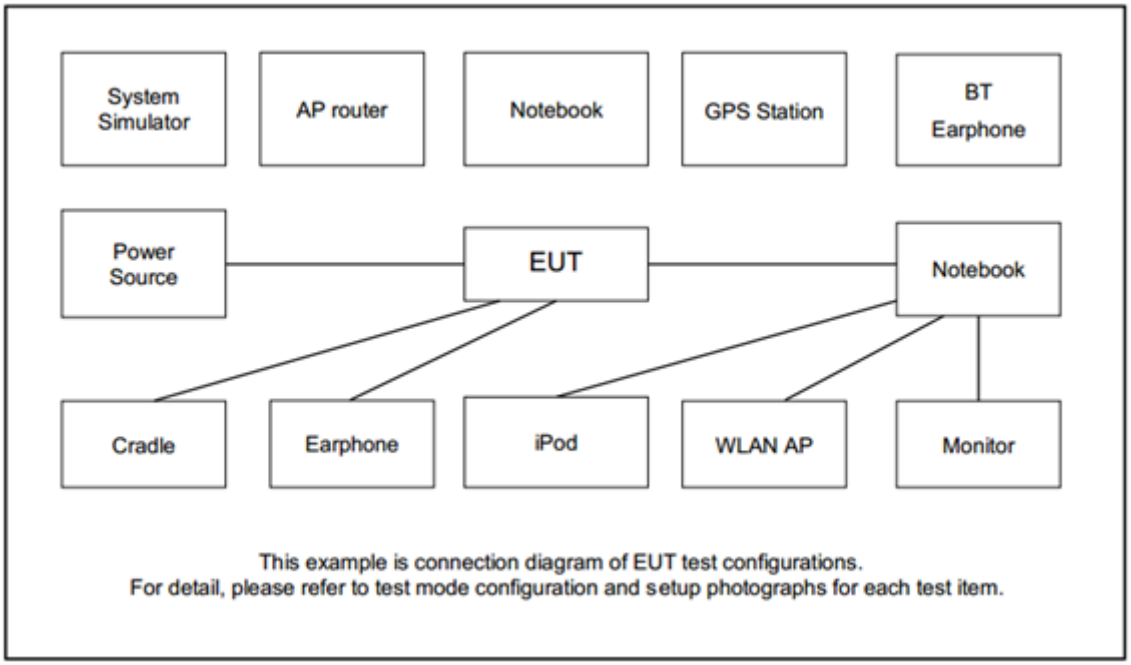
Ch. #		Band I：5150-5250 MHz	Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Adapter	ASUS	A172-050200U-US	N/A	N/A	N/A
2.	Adapter	ASUS	PA-1100-01	N/A	N/A	N/A
3.	Notebook	Lenovo	MP2CWZYZ	PD9AX201NG	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “Tera Term Version 4.95” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

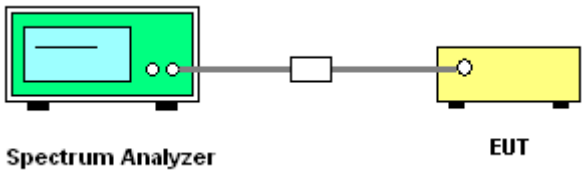
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.2.2 Measuring Instruments

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

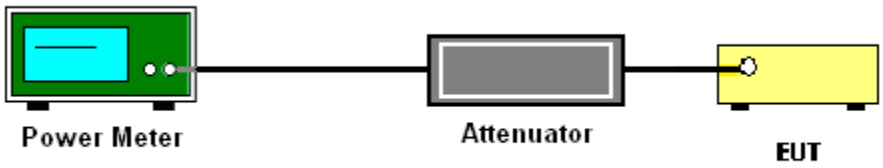
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

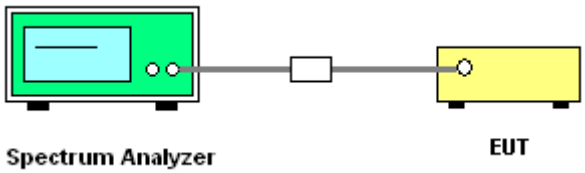
 # Method SA-2 #

(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.

3.3.4 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

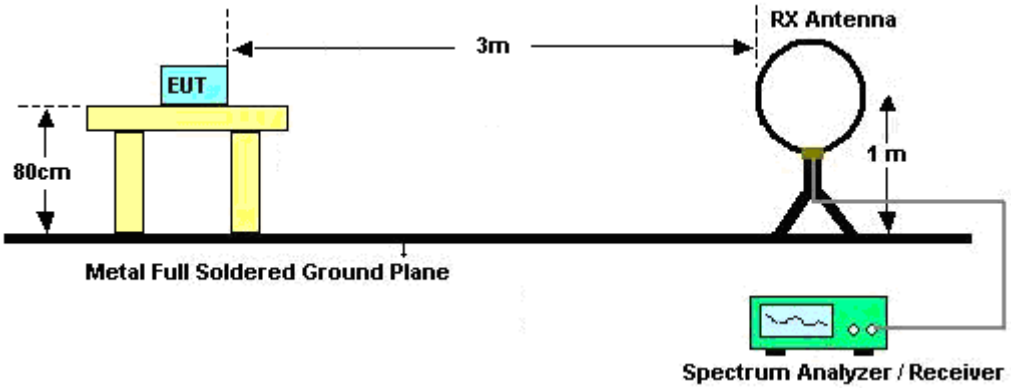
(2) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

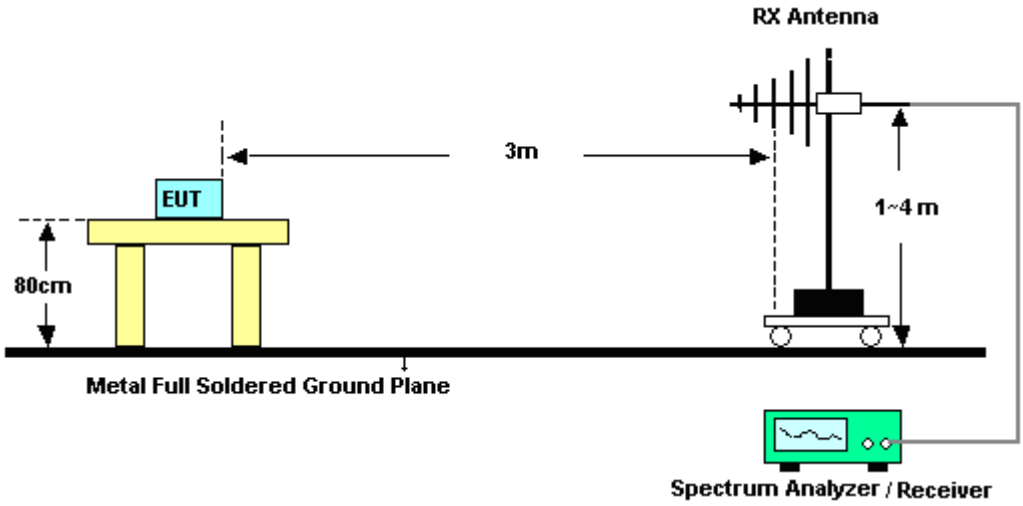
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

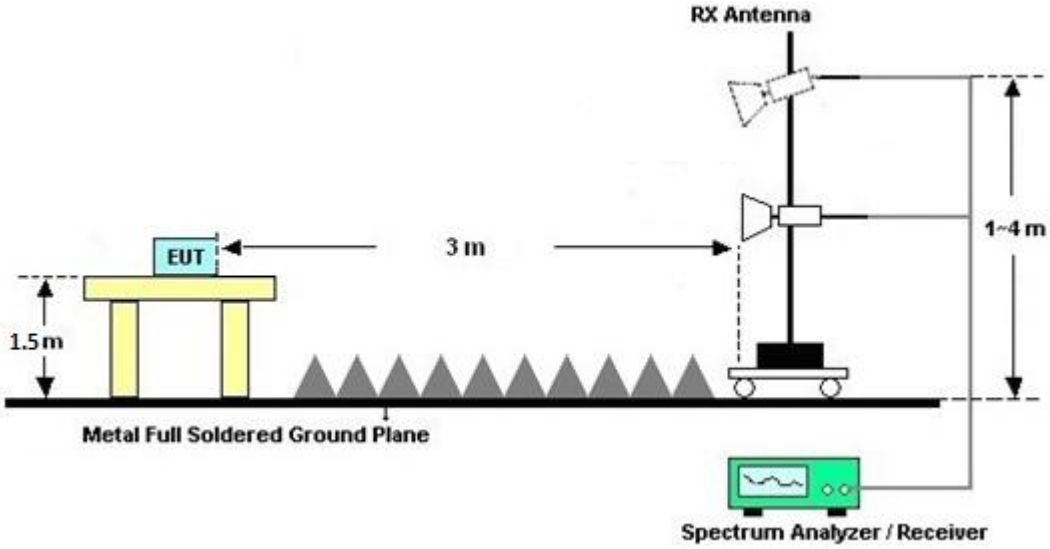
For radiated emissions below 30MHz



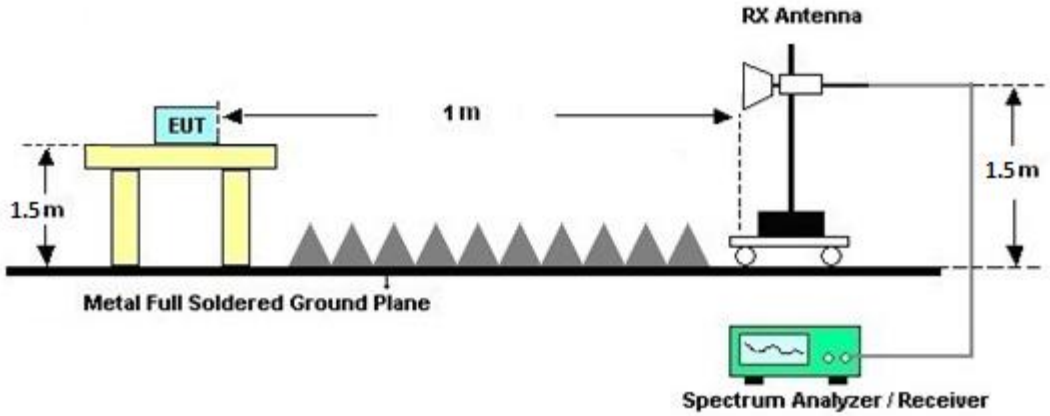
For radiated emissions from 30MHz to 1GHz



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.

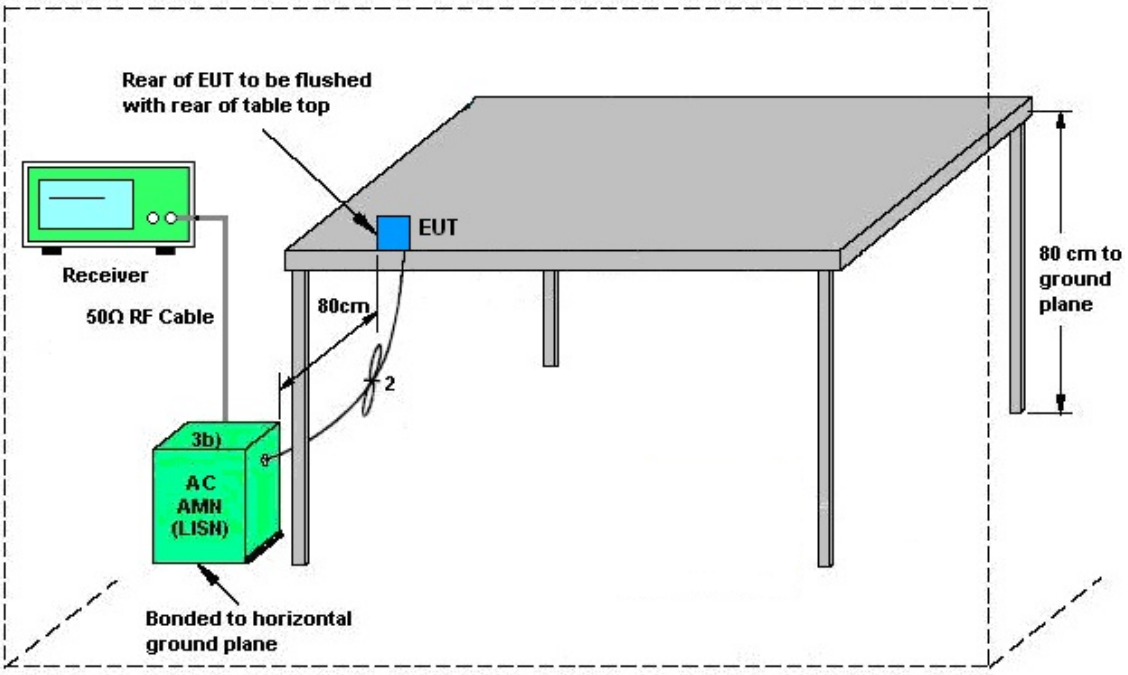
3.5.2 Measuring Instruments

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
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jan. 15, 2024~ Feb. 07, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35_原 144)	10MHz~6GHz	Aug. 23, 2023	Jan. 15, 2024~ Feb. 07, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jan. 15, 2024~ Feb. 07, 2024	Sep. 11, 2024	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 06, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Mar. 06, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Mar. 06, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Mar. 06, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 06, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2023	Mar. 06, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Mar. 06, 2024	Dec. 27, 2024	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9kHz~30MHz	Feb. 28, 2023	Jan. 19, 2024~ Mar. 05, 2024	Feb. 27, 2024	Radiation (03CH22-HY)
Bilog Antenna with 6dB	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63304 & 002	30MHz~1GHz	Oct. 15, 2023	Jan. 19, 2024~ Mar. 05, 2024	Oct. 14, 2024	Radiation (03CH22-HY)
Amplifier	SONOMA	310N	421581	N/A	Jul. 15, 2023	Jan. 19, 2024~ Mar. 05, 2024	Jul. 14, 2024	Radiation (03CH22-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C04A18EN	1GHz~18GHz	Jul. 12, 2023	Jan. 19, 2024~ Mar. 05, 2024	Jul. 11, 2024	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz-40GHz	Jul. 10, 2023	Jan. 19, 2024~ Mar. 05, 2024	Jul. 09, 2024	Radiation (03CH22-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz-40GHz	Jul. 10, 2023	Jan. 19, 2024~ Mar. 05, 2024	Jul. 09, 2024	Radiation (03CH22-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	Jan. 19, 2024~ Mar. 05, 2024	Sep. 27, 2024	Radiation (03CH22-HY)
Preamplifier	EMEC	EM18G40G	060801	18-40GHz	Jun. 27, 2023	Jan. 19, 2024~ Mar. 05, 2024	Jun. 26, 2024	Radiation (03CH22-HY)
Signal Analyzer	Keysight	N9010B	MY60241058	10Hz~44GHz	Jul. 06, 2023	Jan. 19, 2024~ Mar. 05, 2024	Jul. 05, 2024	Radiation (03CH22-HY)
Hygrometer	TECPEL	DTM-303A	TP211469	N/A	Jan. 03, 2024	Jan. 19, 2024~ Mar. 05, 2024	Jan. 02, 2025	Radiation (03CH22-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 19, 2024~ Mar. 05, 2024	N/A	Radiation (03CH22-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 19, 2024~ Mar. 05, 2024	N/A	Radiation (03CH22-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 19, 2024~ Mar. 05, 2024	N/A	Radiation (03CH22-HY)
Software	Audix	E3 6.09824_2019122	RK-002347	N/A	N/A	Jan. 19, 2024~ Mar. 05, 2024	N/A	Radiation (03CH22-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804390/2,8046 11/2,804615/2	N/A	Oct. 24, 2023	Jan. 19, 2024~ Mar. 05, 2024	Oct. 23, 2024	Radiation (03CH22-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN29	1.53GHz Low Pass Filter	May 23, 2023	Jan. 19, 2024~ Mar. 05, 2024	May 22, 2024	Radiation (03CH22-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN25	6.75GHz High Pass Filter	Nov. 13, 2023	Jan. 19, 2024~ Mar. 05, 2024	Nov. 12, 2024	Radiation (03CH22-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN7	N/A	Dec. 01, 2023	Jan. 19, 2024~ Mar. 05, 2024	Nov. 30, 2024	Radiation (03CH22-HY)

5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.5 dB**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2024/1/15~2024/2/7	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna														
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	1	36	5180	16.98	-	21.58	-	-		22.30	-		
11a	6Mbps	1	44	5220	17.03	-	21.62	-	-		22.31	-		
11a	6Mbps	1	48	5240	16.98	-	21.57	-	-		22.30	-		
HT20	MCS0	1	36	5180	18.08	-	21.78	-	-		22.57	-		
HT20	MCS0	1	44	5220	18.08	-	21.84	-	-		22.57	-	-	
HT20	MCS0	1	48	5240	18.03	-	21.70	-	-		22.56	-		
HT40	MCS0	1	38	5190	36.56	-	40.93	-	-		23.01	-		
HT40	MCS0	1	46	5230	36.66	-	40.78	-	-		23.01	-		
VHT80	MCS0	1	42	5210	75.52	-	81.57	-	-		23.01	-		

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	15.70	-	-	24.00	-	2.72	-	-	Pass
11a	6Mbps	1	44	5220	15.80	-		24.00	-	2.72	-		Pass
11a	6Mbps	1	48	5240	15.30	-		24.00	-	2.72	-		Pass
HT20	MCS0	1	36	5180	15.30	-		24.00	-	2.72	-		Pass
HT20	MCS0	1	44	5220	15.10	-		24.00	-	2.72	-		Pass
HT20	MCS0	1	48	5240	15.10	-		24.00	-	2.72	-		Pass
HT40	MCS0	1	38	5190	11.90	-		24.00	-	2.72	-		Pass
HT40	MCS0	1	46	5230	13.70	-		24.00	-	2.72	-		Pass
VHT20	MCS0	1	36	5180	15.20	-		24.00	-	2.72	-		Pass
VHT20	MCS0	1	44	5220	15.00	-		24.00	-	2.72	-		Pass
VHT20	MCS0	1	48	5240	15.00	-		24.00	-	2.72	-		Pass
VHT40	MCS0	1	38	5190	11.80	-		24.00	-	2.72	-		Pass
VHT40	MCS0	1	46	5230	13.60	-		24.00	-	2.72	-		Pass
VHT80	MCS0	1	42	5210	11.10	-		24.00	-	2.72	-		Pass

Report Number : FR3D2932D

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	36	5180	5.23	-		11.00	-	2.72	-		Pass
11a	6Mbps	1	44	5220	4.74	-		11.00	-	2.72	-		Pass
11a	6Mbps	1	48	5240	5.20	-		11.00	-	2.72	-		Pass
HT20	MCS0	1	36	5180	4.57	-		11.00	-	2.72	-		Pass
HT20	MCS0	1	44	5220	4.13	-	-	11.00	-	2.72	-	-	Pass
HT20	MCS0	1	48	5240	4.59	-		11.00	-	2.72	-		Pass
HT40	MCS0	1	38	5190	-1.33	-		11.00	-	2.72	-		Pass
HT40	MCS0	1	46	5230	0.73	-		11.00	-	2.72	-		Pass
VHT80	MCS0	1	42	5210	-5.46	-		11.00	-	2.72	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
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	1	52	5260	17.03	-	21.65	-	23.31	-	29.31	-	23.98	-	
11a	6Mbps	1	60	5300	17.03	-	21.48	-	23.31	-	29.31	-	23.98	-	
11a	6Mbps	1	64	5320	17.03	-	21.64	-	23.31	-	29.31	-	23.98	-	
HT20	MCS0	1	52	5260	18.08	-	21.76	-	23.57	-	29.57	-	23.98	-	
HT20	MCS0	1	60	5300	18.08	-	21.59	-	23.57	-	29.57	-	23.98	-	-
HT20	MCS0	1	64	5320	18.08	-	21.74	-	23.57	-	29.57	-	23.98	-	
HT40	MCS0	1	54	5270	36.66	-	40.82	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.66	-	40.56	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.52	-	81.86	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	15.00	-	-	23.98	-	2.26	-	26.99	Pass
11a	6Mbps	1	60	5300	15.40	-		23.98	-	2.26	-	26.99	Pass
11a	6Mbps	1	64	5320	15.00	-		23.98	-	2.26	-	26.99	Pass
HT20	MCS0	1	52	5260	15.30	-		23.98	-	2.26	-	26.99	Pass
HT20	MCS0	1	60	5300	15.00	-		23.98	-	2.26	-	26.99	Pass
HT20	MCS0	1	64	5320	15.30	-		23.98	-	2.26	-	26.99	Pass
HT40	MCS0	1	54	5270	14.00	-		23.98	-	2.26	-	26.99	Pass
HT40	MCS0	1	62	5310	14.00	-		23.98	-	2.26	-	26.99	Pass
VHT20	MCS0	1	52	5260	15.20	-		23.98	-	2.26	-	26.99	Pass
VHT20	MCS0	1	60	5300	14.90	-		23.98	-	2.26	-	26.99	Pass
VHT20	MCS0	1	64	5320	15.20	-		23.98	-	2.26	-	26.99	Pass
VHT40	MCS0	1	54	5270	13.90	-		23.98	-	2.26	-	26.99	Pass
VHT40	MCS0	1	62	5310	13.90	-		23.98	-	2.26	-	26.99	Pass
VHT80	MCS0	1	58	5290	12.50	-		23.98	-	2.26	-	26.99	Pass

Report Number : FR3D2932D

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	52	5260	4.68	-		11.00	-	2.26	-		Pass
11a	6Mbps	1	60	5300	4.41	-		11.00	-	2.26	-		Pass
11a	6Mbps	1	64	5320	4.64	-		11.00	-	2.26	-		Pass
HT20	MCS0	1	52	5260	4.32	-		11.00	-	2.26	-		Pass
HT20	MCS0	1	60	5300	4.32	-	-	11.00	-	2.26	-	-	Pass
HT20	MCS0	1	64	5320	4.29	-		11.00	-	2.26	-		Pass
HT40	MCS0	1	54	5270	0.26	-		11.00	-	2.26	-		Pass
HT40	MCS0	1	62	5310	-0.03	-		11.00	-	2.26	-		Pass
VHT80	MCS0	1	58	5290	-4.11	-		11.00	-	2.26	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
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	1	100	5500	17.03	-	21.65	-	23.31	-	29.31	-	23.98	-	----	----
11a	6Mbps	1	116	5580	17.08	-	21.64	-	23.33	-	29.33	-	23.98	-	----	----
11a	6Mbps	1	140	5700	17.08	-	21.73	-	23.33	-	29.33	-	23.98	-	----	----
HT20	MCS0	1	100	5500	18.13	-	21.97	-	23.58	-	29.58	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.08	-	21.59	-	23.57	-	29.57	-	23.98	-	----	----
HT20	MCS0	1	140	5700	18.13	-	21.93	-	23.58	-	29.58	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.66	-	40.66	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.66	-	41.06	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.56	-	40.93	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.40	-	81.86	-	23.98	-	30.00	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

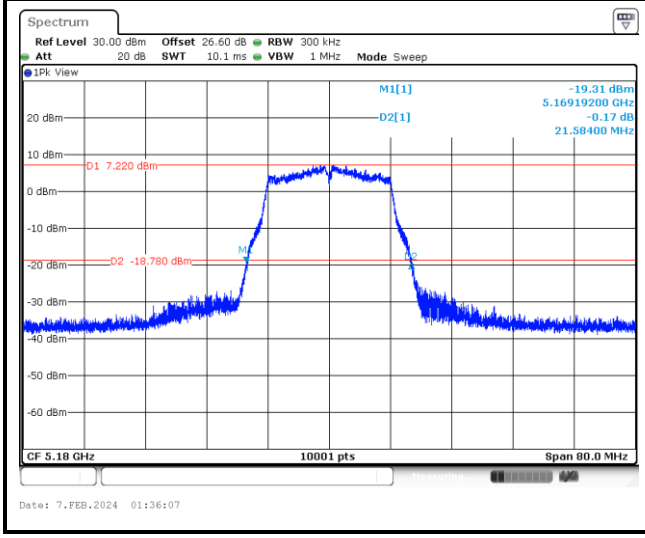
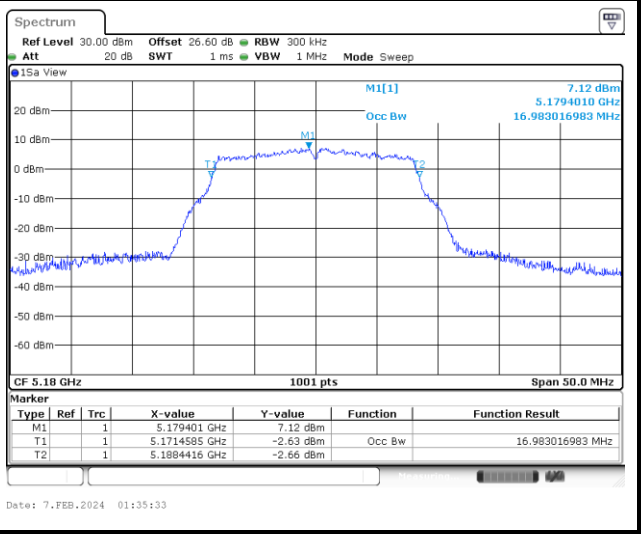
FCC U-NII-2C single antenna													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	14.50	-	-	23.98	-	2.82	-	26.99	Pass
11a	6Mbps	1	116	5580	15.20	-		23.98	-	2.82	-	26.99	Pass
11a	6Mbps	1	140	5700	14.50	-		23.98	-	2.82	-	26.99	Pass
HT20	MCS0	1	100	5500	14.50	-		23.98	-	2.82	-	26.99	Pass
HT20	MCS0	1	116	5580	14.90	-		23.98	-	2.82	-	26.99	Pass
HT20	MCS0	1	140	5700	14.60	-		23.98	-	2.82	-	26.99	Pass
HT40	MCS0	1	102	5510	14.00	-		23.98	-	2.82	-	26.99	Pass
HT40	MCS0	1	110	5550	14.00	-		23.98	-	2.82	-	26.99	Pass
HT40	MCS0	1	134	5670	13.80	-		23.98	-	2.82	-	26.99	Pass
VHT20	MCS0	1	100	5500	14.40	-		23.98	-	2.82	-	26.99	Pass
VHT20	MCS0	1	116	5580	14.60	-		23.98	-	2.82	-	26.99	Pass
VHT20	MCS0	1	140	5700	14.50	-		23.98	-	2.82	-	26.99	Pass
VHT40	MCS0	1	102	5510	13.90	-		23.98	-	2.82	-	26.99	Pass
VHT40	MCS0	1	110	5550	13.90	-		23.98	-	2.82	-	26.99	Pass
VHT40	MCS0	1	134	5670	13.40	-		23.98	-	2.82	-	26.99	Pass
VHT80	MCS0	1	106	5530	12.80	-		23.98	-	2.82	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	1	100	5500	3.60	-	-	11.00	-	2.82	-	-	Pass
11a	6Mbps	1	116	5580	4.51	-		11.00	-	2.82	-		Pass
11a	6Mbps	1	140	5700	3.80	-		11.00	-	2.82	-		Pass
HT20	MCS0	1	100	5500	3.45	-		11.00	-	2.82	-		Pass
HT20	MCS0	1	116	5580	3.93	-		11.00	-	2.82	-		Pass
HT20	MCS0	1	140	5700	3.54	-		11.00	-	2.82	-		Pass
HT40	MCS0	1	102	5510	0.22	-		11.00	-	2.82	-		Pass
HT40	MCS0	1	110	5550	-0.05	-		11.00	-	2.82	-		Pass
HT40	MCS0	1	134	5670	-0.02	-		11.00	-	2.82	-		Pass
VHT80	MCS0	1	106	5530	-3.61	-		11.00	-	2.82	-		Pass

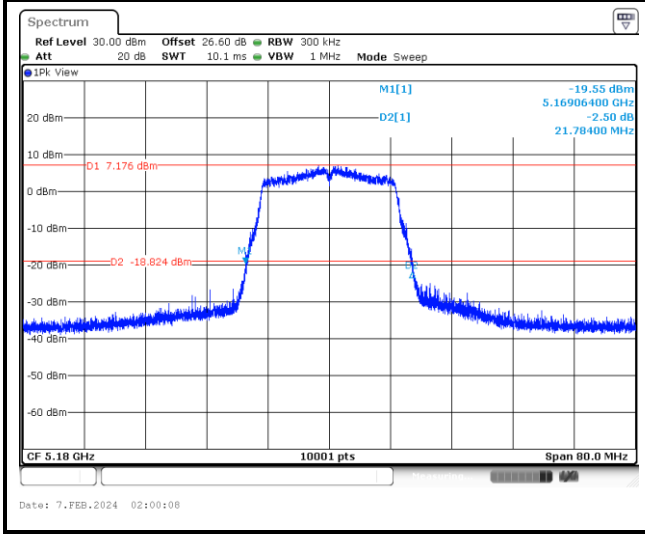
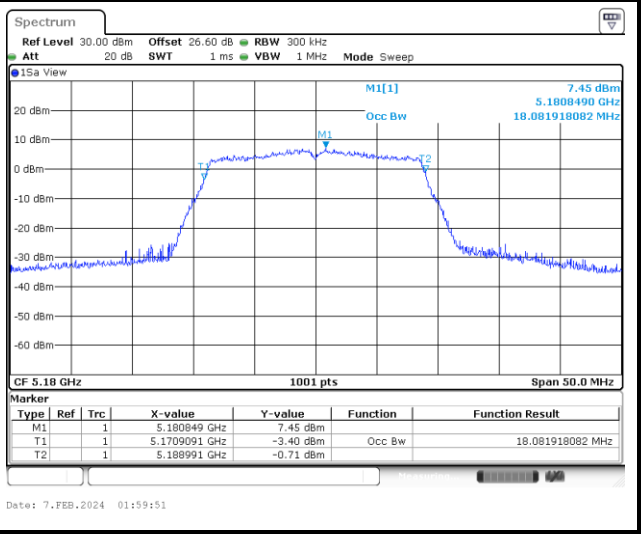
Test Result of 26dB & 99% Occupied Bandwidth

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

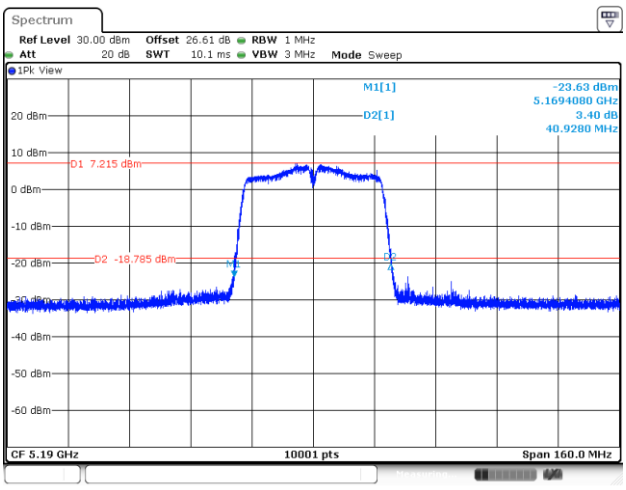
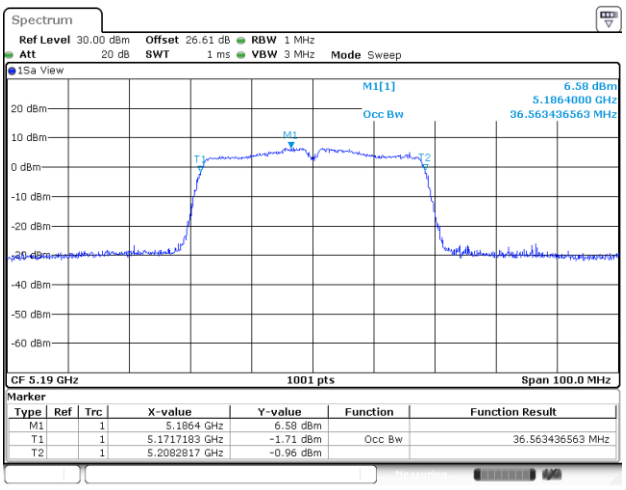
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11an HT20>

26dB Bandwidth	99% Occupied Bandwidth
	

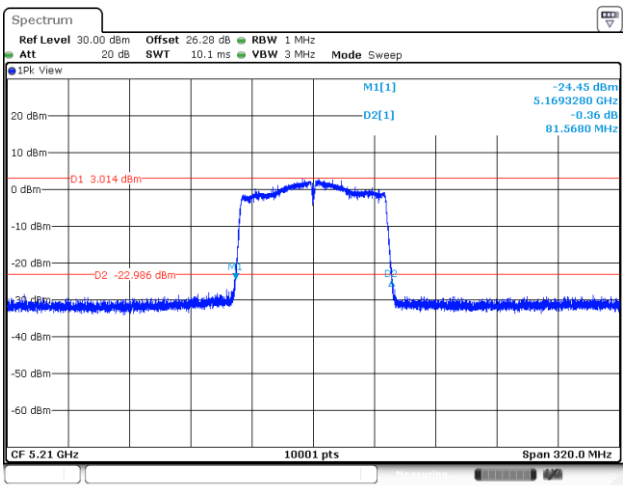
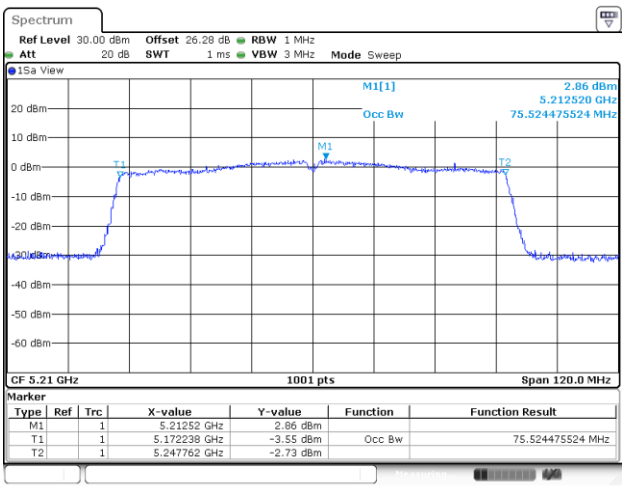
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11an 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>

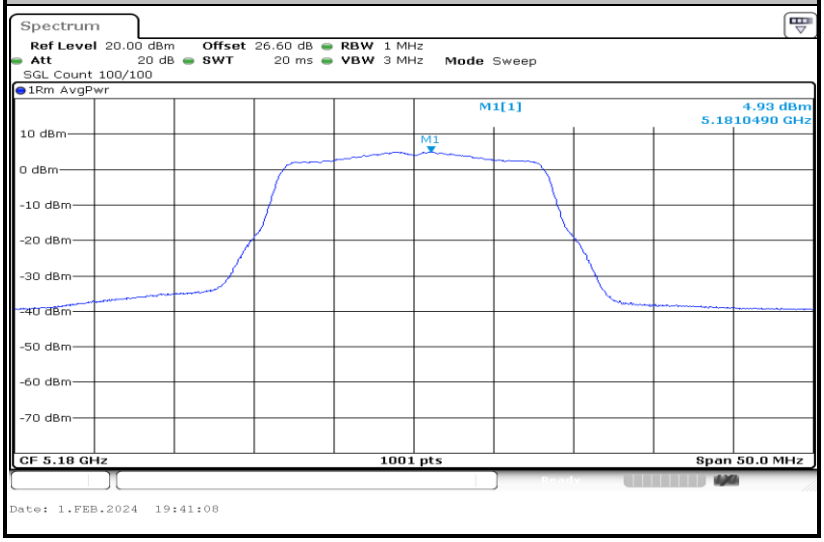
26dB Bandwidth	99% Occupied Bandwidth
	

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

Test Result of Power Spectral Density

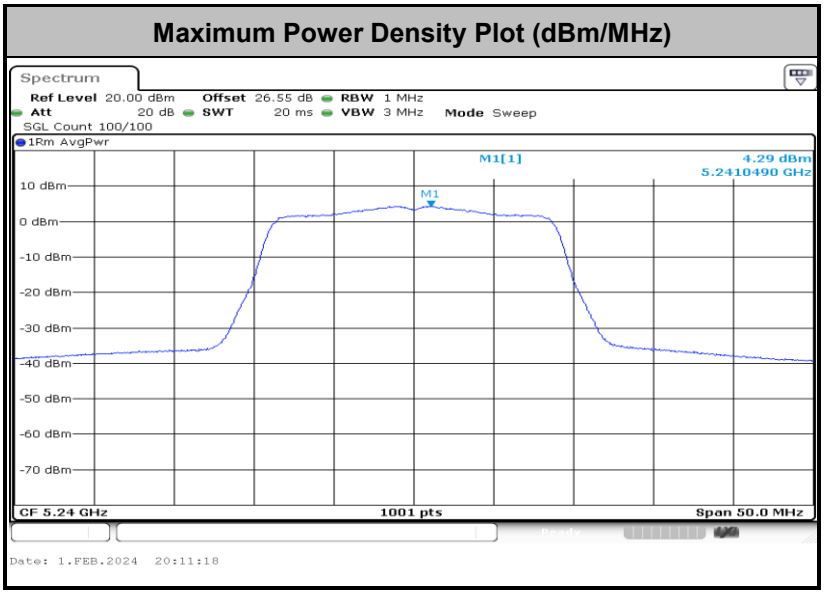
<802.11a>

Maximum Power Density Plot (dBm/MHz)



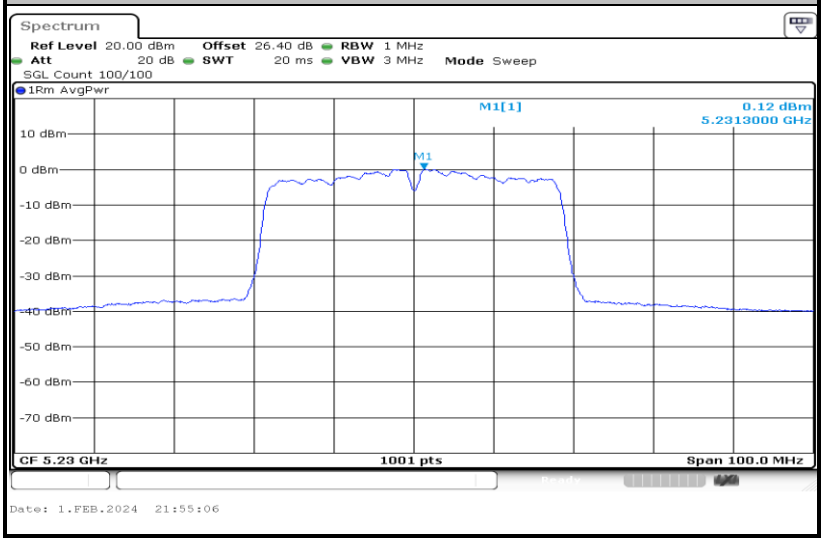
<802.11an HT20>

Maximum Power Density Plot (dBm/MHz)



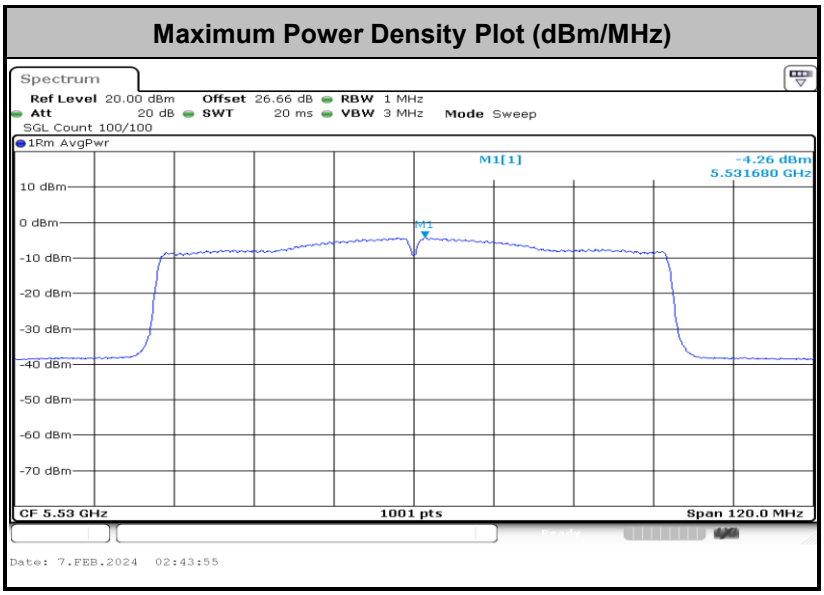
<802.11an HT40 >

Maximum Power Density Plot (dBm/MHz)



<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)



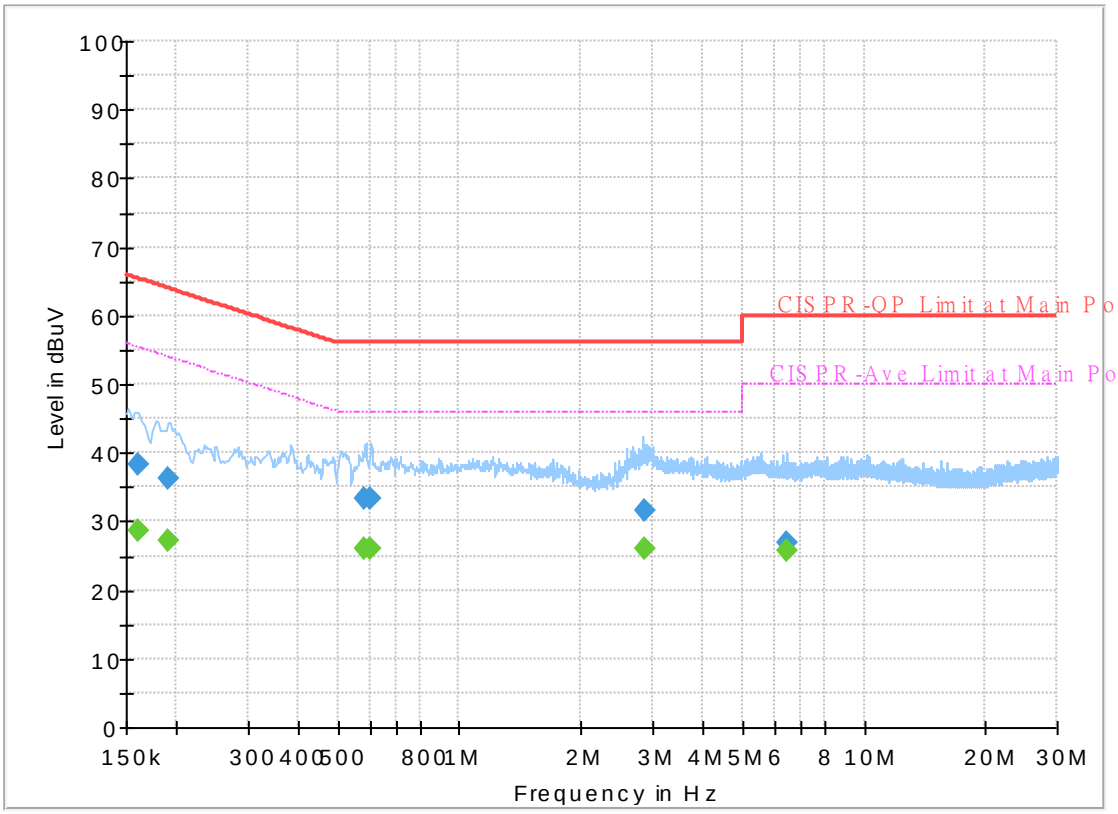
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	3D2932
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



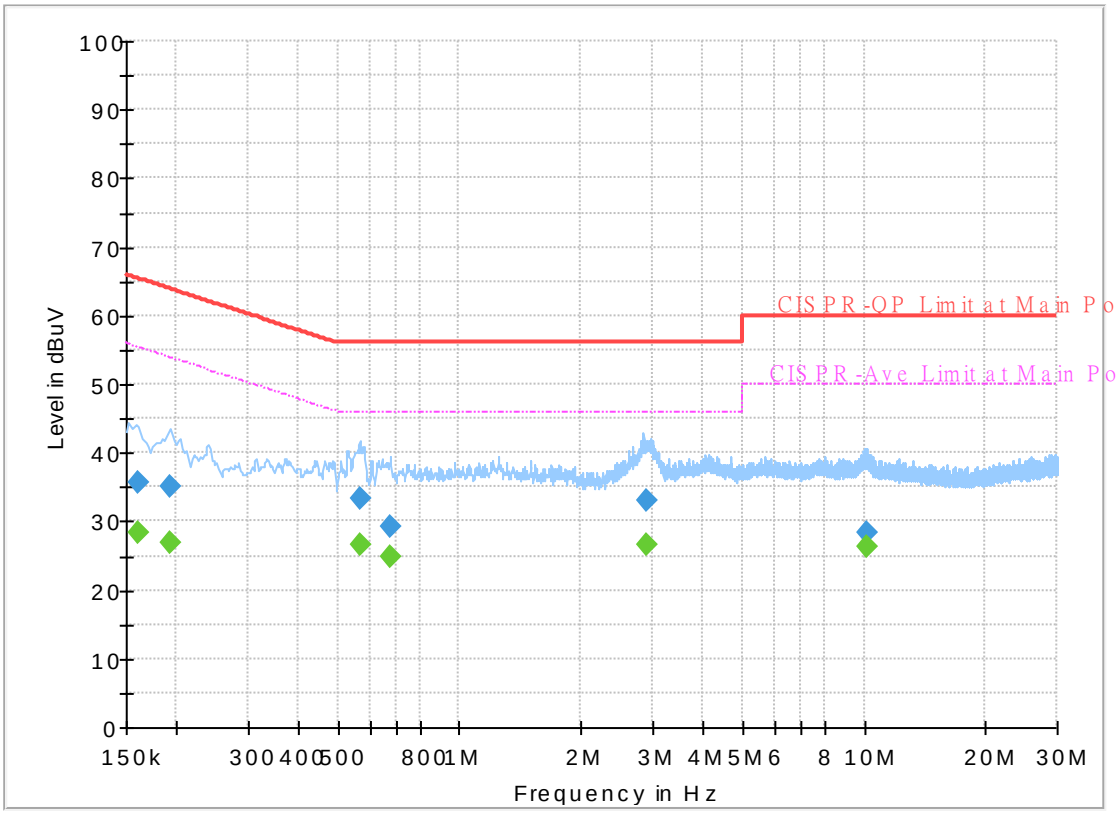
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	28.64	55.40	26.76	L1	OFF	19.8
0.161250	38.20	---	65.40	27.20	L1	OFF	19.8
0.190500	---	27.13	54.02	26.89	L1	OFF	19.8
0.190500	36.22	---	64.02	27.80	L1	OFF	19.8
0.582000	---	26.15	46.00	19.85	L1	OFF	19.8
0.582000	33.47	---	56.00	22.53	L1	OFF	19.8
0.602250	---	26.13	46.00	19.87	L1	OFF	19.8
0.602250	33.34	---	56.00	22.66	L1	OFF	19.8
2.877000	---	26.15	46.00	19.85	L1	OFF	19.9
2.877000	31.71	---	56.00	24.29	L1	OFF	19.9
6.454500	---	25.61	50.00	24.39	L1	OFF	20.0
6.454500	27.01	---	60.00	32.99	L1	OFF	20.0

EUT Information

Report NO :	3D2932
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.161250	---	28.24	55.40	27.16	N	OFF	19.8
0.161250	35.76	---	65.40	29.64	N	OFF	19.8
0.192750	---	26.86	53.92	27.06	N	OFF	19.8
0.192750	35.00	---	63.92	28.92	N	OFF	19.8
0.566250	---	26.70	46.00	19.30	N	OFF	19.8
0.566250	33.21	---	56.00	22.79	N	OFF	19.8
0.674250	---	24.82	46.00	21.18	N	OFF	19.8
0.674250	29.17	---	56.00	26.83	N	OFF	19.8
2.917500	---	26.56	46.00	19.44	N	OFF	19.9
2.917500	33.12	---	56.00	22.88	N	OFF	19.9
10.198500	---	26.25	50.00	23.75	N	OFF	20.2
10.198500	28.49	---	60.00	31.51	N	OFF	20.2

Appendix C. Radiated Spurious Emission

Test Engineer :	Bank Lin, Ken Kuo and Lucifer Jian	Temperature :	20~23°C
		Relative Humidity :	42~55%

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.	
		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5149.76	61.5	-12.5	74	49.94	32.5	12.75	33.69	110	40	P	H
		5149.5	49.29	-4.71	54	37.73	32.5	12.75	33.69	110	40	A	H
	*	5180	108.13	-	-	96.5	32.56	12.81	33.74	110	40	P	H
	*	5180	100.93	-	-	89.3	32.56	12.81	33.74	110	40	A	H
													H
													H
		5148.46	61.54	-12.46	74	49.98	32.5	12.75	33.69	122	175	P	V
		5149.24	48.92	-5.08	54	37.36	32.5	12.75	33.69	122	175	A	V
	*	5180	106.75	-	-	95.12	32.56	12.81	33.74	122	175	P	V
	*	5180	99.45	-	-	87.82	32.56	12.81	33.74	122	175	A	V
													V
													V
802.11a CH 44 5220MHz		5144.04	51.78	-22.22	74	40.21	32.51	12.74	33.68	100	131	P	H
		5145.34	42.17	-11.83	54	30.61	32.51	12.74	33.69	100	131	A	H
	*	5220	108.37	-	-	96.69	32.6	12.88	33.8	100	131	P	H
	*	5220	100.38	-	-	88.7	32.6	12.88	33.8	100	131	A	H
		5370.64	50.32	-23.68	74	38.78	32.5	13.08	34.04	100	131	P	H
		5368.48	40.9	-13.1	54	29.35	32.5	13.08	34.03	100	131	A	H
		5112.06	51.27	-22.73	74	39.65	32.58	12.67	33.63	100	177	P	V
		5144.56	42.22	-11.78	54	30.66	32.51	12.74	33.69	100	177	A	V
	*	5220	106.96	-	-	95.28	32.6	12.88	33.8	100	177	P	V
	*	5220	100.25	-	-	88.57	32.6	12.88	33.8	100	177	A	V
		5439.22	49.43	-24.57	74	37.83	32.58	13.17	34.15	100	177	P	V
		5370.64	40.5	-13.5	54	28.96	32.5	13.08	34.04	100	177	A	V

802.11a CH 48 5240MHz		5097.24	52.18	-21.82	74	40.56	32.59	12.64	33.61	108	51	P	H
		5089.7	41.96	-12.04	54	30.35	32.58	12.63	33.6	108	51	A	H
	*	5240	108.39	-	-	96.72	32.6	12.9	33.83	108	51	P	H
	*	5240	101.26	-	-	89.59	32.6	12.9	33.83	108	51	A	H
		5392.24	50.46	-23.54	74	38.92	32.5	13.11	34.07	108	51	P	H
		5391.43	41.19	-12.81	54	29.65	32.5	13.11	34.07	108	51	A	H
		5093.86	50.92	-23.08	74	39.3	32.59	12.64	33.61	100	176	P	V
		5092.82	41.92	-12.08	54	30.29	32.59	12.64	33.6	100	176	A	V
	*	5240	107.12	-	-	95.45	32.6	12.9	33.83	100	176	P	V
	*	5240	100.23	-	-	88.56	32.6	12.9	33.83	100	176	A	V
		5350.12	49.14	-24.86	74	37.6	32.5	13.05	34.01	100	176	P	V
		5425.99	40.13	-13.87	54	28.55	32.55	13.15	34.12	100	176	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	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	49.92	-18.28	68.2	32.59	37.46	19.01	39.14	-	-	P	H
		15540	54.78	-19.22	74	34.38	41.26	23.44	44.3	-	-	P	H
		15540	44.63	-9.37	54	24.23	41.26	23.44	44.3	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	49.68	-18.52	68.2	32.35	37.46	19.01	39.14	-	-	P	V
		15540	54.22	-19.78	74	33.82	41.26	23.44	44.3	-	-	P	V
		15540	44.83	-9.17	54	24.43	41.26	23.44	44.3	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	48.9	-19.3	68.2	31.83	37.22	19.1	39.25	-	-	P	H
		15660	53.65	-20.35	74	33.4	41.22	23.55	44.52	-	-	P	H
		15660	44.56	-9.44	54	24.31	41.22	23.55	44.52	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 44 5220MHz													H
		10440	48.76	-19.44	68.2	31.69	37.22	19.1	39.25	-	-	P	V
		15660	54.12	-19.88	74	33.87	41.22	23.55	44.52	-	-	P	V
		15660	44.54	-9.46	54	24.29	41.22	23.55	44.52	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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 48 5240MHz		10480	50.05	-18.15	68.2	33.01	37.2	19.14	39.3	-	-	P	H
		15720	54.71	-19.29	74	34.36	41.38	23.6	44.63	-	-	P	H
		15720	44.49	-9.51	54	24.14	41.38	23.6	44.63	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10480	49.89	-18.31	68.2	32.85	37.2	19.14	39.3	-	-	P	V
		15720	55.49	-18.51	74	35.14	41.38	23.6	44.63	-	-	P	V
		15720	45.04	-8.96	54	24.69	41.38	23.6	44.63	-	-	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 HT20 (Band Edge @ 3m)

WIFI Ant.	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)
		5148.98	61.32	-12.68	74	49.76	32.5	12.75	33.69	110	44	P	H
		5149.5	50.44	-3.56	54	38.88	32.5	12.75	33.69	110	44	A	H
	*	5180	108.49	-	-	96.86	32.56	12.81	33.74	110	44	P	H
	*	5180	100.45	-	-	88.82	32.56	12.81	33.74	110	44	A	H
802.11n													H
HT20													H
CH 36		5149.76	61.21	-12.79	74	49.65	32.5	12.75	33.69	100	176	P	V
5180MHz		5150	49.73	-4.27	54	38.17	32.5	12.75	33.69	100	176	A	V
	*	5180	106.58	-	-	94.95	32.56	12.81	33.74	100	176	P	V
	*	5180	99.65	-	-	88.02	32.56	12.81	33.74	100	176	A	V
													V
													V
		5065.52	51.63	-22.37	74	40.08	32.53	12.58	33.56	122	134	P	H
		5068.9	42	-12	54	30.44	32.54	12.59	33.57	122	134	A	H
	*	5220	107.73	-	-	96.05	32.6	12.88	33.8	122	134	P	H
	*	5220	100.67	-	-	88.99	32.6	12.88	33.8	122	134	A	H
802.11n		5434.36	50.25	-23.75	74	38.66	32.57	13.16	34.14	122	134	P	H
HT20		5370.1	40.74	-13.26	54	29.2	32.5	13.08	34.04	122	134	A	H
CH 44		5059.28	51.97	-22.03	74	40.43	32.52	12.57	33.55	108	175	P	V
5220MHz		5138.06	42.02	-11.98	54	30.45	32.52	12.73	33.68	108	175	A	V
	*	5220	107.04	-	-	95.36	32.6	12.88	33.8	108	175	P	V
	*	5220	100.26	-	-	88.58	32.6	12.88	33.8	108	175	A	V
		5451.91	48.65	-25.35	74	37.02	32.61	13.18	34.16	108	175	P	V
		5405.47	40.4	-13.6	54	28.85	32.51	13.13	34.09	108	175	A	V

		5075.92	51.47	-22.53	74	39.9	32.55	12.6	33.58	100	47	P	H
		5087.62	41.89	-12.11	54	30.28	32.58	12.63	33.6	100	47	A	H
	*	5240	108.44	-	-	96.77	32.6	12.9	33.83	100	47	P	H
	*	5240	101.19	-	-	89.52	32.6	12.9	33.83	100	47	A	H
802.11n		5425.99	51.42	-22.58	74	39.84	32.55	13.15	34.12	100	47	P	H
HT20		5425.72	41.5	-12.5	54	29.92	32.55	13.15	34.12	100	47	A	H
CH 48		5083.98	51.25	-22.75	74	39.65	32.57	12.62	33.59	100	175	P	V
5240MHz		5091	41.71	-12.29	54	30.1	32.58	12.63	33.6	100	175	A	V
	*	5240	106.8	-	-	95.13	32.6	12.9	33.83	100	175	P	V
	*	5240	99.45	-	-	87.78	32.6	12.9	33.83	100	175	A	V
		5369.29	48.46	-25.54	74	36.92	32.5	13.08	34.04	100	175	P	V
		5385.22	40.11	-13.89	54	28.57	32.5	13.1	34.06	100	175	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.	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	49.26	-18.94	68.2	31.93	37.46	19.01	39.14	-	-	P	H
		15540	54.95	-19.05	74	34.55	41.26	23.44	44.3	-	-	P	H
		15540	44.69	-9.31	54	24.29	41.26	23.44	44.3	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 36		10360	49.37	-18.83	68.2	32.04	37.46	19.01	39.14	-	-	P	V
5180MHz		15540	54.1	-19.9	74	33.7	41.26	23.44	44.3	-	-	P	V
		15540	44.82	-9.18	54	24.42	41.26	23.44	44.3	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	49.67	-18.53	68.2	32.6	37.22	19.1	39.25	-	-	P	H
		15660	54.17	-19.83	74	33.92	41.22	23.55	44.52	-	-	P	H
		15660	44.48	-9.52	54	24.23	41.22	23.55	44.52	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
i802.11n													H
HT20													H
CH 44		10440	50.28	-17.92	68.2	33.21	37.22	19.1	39.25	-	-	P	V
5220MHz		15660	53.24	-20.76	74	32.99	41.22	23.55	44.52	-	-	P	V
		15660	44.65	-9.35	54	24.4	41.22	23.55	44.52	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	48.89	-19.31	68.2	31.85	37.2	19.14	39.3	-	-	P	H
		15720	53.93	-20.07	74	33.58	41.38	23.6	44.63	-	-	P	H
		15720	44.05	-9.95	54	23.7	41.38	23.6	44.63	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 48		10480	49.31	-18.89	68.2	32.27	37.2	19.14	39.3	-	-	P	V
5240MHz		15720	55.07	-18.93	74	34.72	41.38	23.6	44.63	-	-	P	V
		15720	44.32	-9.68	54	23.97	41.38	23.6	44.63	-	-	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.	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 38 5190MHz		5148.2	60.46	-13.54	74	48.9	32.5	12.75	33.69	123	43	P	H
		5150	50.51	-3.49	54	38.95	32.5	12.75	33.69	123	43	A	H
	*	5190	101.47	-	-	89.82	32.58	12.83	33.76	123	43	P	H
	*	5190	94.13	-	-	82.48	32.58	12.83	33.76	123	43	A	H
		5454.61	48.85	-25.15	74	37.2	32.63	13.19	34.17	123	43	P	H
		5453.26	40.2	-13.8	54	28.56	32.62	13.19	34.17	123	43	A	H
		5149.24	60.26	-13.74	74	48.7	32.5	12.75	33.69	100	162	P	V
		5150	50.52	-3.48	54	38.96	32.5	12.75	33.69	100	162	A	V
	*	5190	101.08	-	-	89.43	32.58	12.83	33.76	100	162	P	V
	*	5190	93.59	-	-	81.94	32.58	12.83	33.76	100	162	A	V
		5404.66	50.11	-23.89	74	38.56	32.51	13.13	34.09	100	162	P	V
		5457.85	39.83	-14.17	54	28.16	32.65	13.19	34.17	100	162	A	V
802.11n HT40 CH 46 5230MHz		5149.76	57.76	-16.24	74	46.2	32.5	12.75	33.69	102	34	P	H
		5149.5	43.8	-10.2	54	32.24	32.5	12.75	33.69	102	34	A	H
	*	5230	103.93	-	-	92.26	32.6	12.89	33.82	102	34	P	H
	*	5230	96.83	-	-	85.16	32.6	12.89	33.82	102	34	A	H
		5438.95	49.92	-24.08	74	38.31	32.58	13.17	34.14	102	34	P	H
		5350.12	40.97	-13.03	54	29.43	32.5	13.05	34.01	102	34	A	H
		5148.2	56.01	-17.99	74	44.45	32.5	12.75	33.69	100	164	P	V
		5142.74	43.21	-10.79	54	31.64	32.51	12.74	33.68	100	164	A	V
	*	5230	103.48	-	-	91.81	32.6	12.89	33.82	100	164	P	V
	*	5230	96.15	-	-	84.48	32.6	12.89	33.82	100	164	A	V
		5377.93	49.8	-24.2	74	38.26	32.5	13.09	34.05	100	164	P	V
		5352.55	40.41	-13.59	54	28.86	32.5	13.06	34.01	100	164	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10380	49.41	-18.79	68.2	32.17	37.38	19.03	39.17	-	-	P	H
		15570	53.76	-20.24	74	33.44	41.2	23.47	44.35	-	-	P	H
		15570	44.33	-9.67	54	24.01	41.2	23.47	44.35	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 38		10380	49.32	-18.88	68.2	32.08	37.38	19.03	39.17	-	-	P	V
5190MHz		15570	54.18	-19.82	74	33.86	41.2	23.47	44.35	-	-	P	V
		15570	44.39	-9.61	54	24.07	41.2	23.47	44.35	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10460	49.2	-19	68.2	32.16	37.2	19.12	39.28	-	-	P	H
		15690	54.14	-19.86	74	33.87	41.28	23.57	44.58	-	-	P	H
		15690	44.36	-9.64	54	24.09	41.28	23.57	44.58	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 46		10460	48.93	-19.27	68.2	31.89	37.2	19.12	39.28	-	-	P	V
5230MHz		15690	53.69	-20.31	74	33.42	41.28	23.57	44.58	-	-	P	V
		15690	44.37	-9.63	54	24.1	41.28	23.57	44.58	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	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		5146.88	58.99	-15.01	74	47.43	32.51	12.74	33.69	100	156	P	H
		5148.92	50.61	-3.39	54	39.05	32.5	12.75	33.69	100	156	A	H
	*	5210	97.17	-	-	85.5	32.6	12.86	33.79	100	156	P	H
	*	5210	90.14	-	-	78.47	32.6	12.86	33.79	100	156	A	H
		5380.96	49.5	-24.5	74	37.96	32.5	13.09	34.05	100	156	P	H
		5354.18	40.95	-13.05	54	29.4	32.5	13.06	34.01	100	156	A	H
		5149.26	58.89	-15.11	74	47.33	32.5	12.75	33.69	100	34	P	V
		5149.26	50.59	-3.41	54	39.03	32.5	12.75	33.69	100	34	A	V
	*	5210	98.41	-	-	86.74	32.6	12.86	33.79	100	34	P	V
	*	5210	91.3	-	-	79.63	32.6	12.86	33.79	100	34	A	V
		5366.66	50.89	-23.11	74	39.35	32.5	13.07	34.03	100	34	P	V
		5353.14	42.12	-11.88	54	30.57	32.5	13.06	34.01	100	34	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10420	49.29	-18.91	68.2	32.18	37.26	19.07	39.22	-	-	P	H
		15630	53.48	-20.52	74	33.22	41.2	23.52	44.46	-	-	P	H
		15630	44.27	-9.73	54	24.01	41.2	23.52	44.46	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac VHT80 CH 42 5210MHz													H
		10420	49.44	-18.76	68.2	32.33	37.26	19.07	39.22	-	-	P	V
		15630	54.09	-19.91	74	33.83	41.2	23.52	44.46	-	-	P	V
		15630	44.31	-9.69	54	24.05	41.2	23.52	44.46	-	-	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

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	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		5070.04	51.24	-22.76	74	39.68	32.54	12.59	33.57	100	45	P	H
		5108.8	42.2	-11.8	54	30.58	32.58	12.67	33.63	100	45	A	H
	*	5260	109.42	-	-	97.78	32.58	12.93	33.87	100	45	P	H
	*	5260	101.85	-	-	90.21	32.58	12.93	33.87	100	45	A	H
		5413.2	51.1	-22.9	74	39.53	32.53	13.14	34.1	100	45	P	H
		5410.32	41.93	-12.07	54	30.38	32.52	13.13	34.1	100	45	A	H
		5100.98	51.39	-22.61	74	39.76	32.6	12.65	33.62	102	173	P	V
		5112.88	41.96	-12.04	54	30.35	32.57	12.68	33.64	102	173	A	V
	*	5260	107.26	-	-	95.62	32.58	12.93	33.87	102	173	P	V
	*	5260	100.17	-	-	88.53	32.58	12.93	33.87	102	173	A	V
		5413.2	49.2	-24.8	74	37.63	32.53	13.14	34.1	102	173	P	V
		5408.4	40.38	-13.62	54	28.83	32.52	13.13	34.1	102	173	A	V
802.11a CH 60 5300MHz		5096.9	51.4	-22.6	74	39.78	32.59	12.64	33.61	108	134	P	H
		5076.84	41.92	-12.08	54	30.35	32.55	12.6	33.58	108	134	A	H
	*	5300	107.42	-	-	95.86	32.5	12.99	33.93	108	134	P	H
	*	5300	100.61	-	-	89.05	32.5	12.99	33.93	108	134	A	H
		5359.2	51.25	-22.75	74	39.71	32.5	13.06	34.02	108	134	P	H
		5351.28	43.02	-10.98	54	31.48	32.5	13.05	34.01	108	134	A	H
		5027.54	52.42	-21.58	74	40.82	32.59	12.51	33.5	115	169	P	V
		5111.52	42	-12	54	30.38	32.58	12.67	33.63	115	169	A	V
	*	5300	106.34	-	-	94.78	32.5	12.99	33.93	115	169	P	V
	*	5300	99.05	-	-	87.49	32.5	12.99	33.93	115	169	A	V
		5353.68	50.77	-23.23	74	39.22	32.5	13.06	34.01	115	169	P	V
		5350.56	41.67	-12.33	54	30.13	32.5	13.05	34.01	115	169	A	V

802.11a CH 64 5320MHz	*	5320	109.62	-	-	98.07	32.5	13.01	33.96	103	36	P	H
	*	5320	102.47	-	-	90.92	32.5	13.01	33.96	103	36	A	H
		5350.24	63.86	-10.14	74	52.32	32.5	13.05	34.01	103	36	P	H
		5350.08	50.04	-3.96	54	38.5	32.5	13.05	34.01	103	36	A	H
													H
													H
	*	5320	105.82	-	-	94.27	32.5	13.01	33.96	100	168	P	V
	*	5320	98.55	-	-	87	32.5	13.01	33.96	100	168	A	V
		5351.2	59.17	-14.83	74	47.63	32.5	13.05	34.01	100	168	P	V
		5350.4	46.71	-7.29	54	35.17	32.5	13.05	34.01	100	168	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant.	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	49.4	-18.8	68.2	32.33	37.24	19.17	39.34	-	-	P	H
		15780	55.51	-18.49	74	35.11	41.5	23.65	44.75	-	-	P	H
		15780	44.18	-9.82	54	23.78	41.5	23.65	44.75	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	50.14	-18.06	68.2	33.07	37.24	19.17	39.34	-	-	P	V
		15780	54.45	-19.55	74	34.05	41.5	23.65	44.75	-	-	P	V
		15780	44.8	-9.2	54	24.4	41.5	23.65	44.75	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	49.49	-24.51	74	32.23	37.4	19.25	39.39	-	-	P	H
		10600	40.42	-13.58	54	23.16	37.4	19.25	39.39	-	-	A	H
		15900	53.69	-20.31	74	33.61	41.3	23.75	44.97	-	-	P	H
		15900	44.64	-9.36	54	24.56	41.3	23.75	44.97	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
i802.11a CH 60 5300MHz		10600	49.52	-24.48	74	32.26	37.4	19.25	39.39	-	-	P	V
		10600	40.64	-13.36	54	23.38	37.4	19.25	39.39	-	-	A	V
		15900	53.09	-20.91	74	33.01	41.3	23.75	44.97	-	-	P	V
		15900	44.62	-9.38	54	24.54	41.3	23.75	44.97	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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		10640	51.69	-22.31	74	34.34	37.48	19.29	39.42	-	-	P	H
		10640	43.03	-10.97	54	25.68	37.48	19.29	39.42	-	-	A	H
		15960	53.94	-20.06	74	33.99	41.22	23.81	45.08	-	-	P	H
		15960	44.62	-9.38	54	24.67	41.22	23.81	45.08	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
		10640	50.86	-23.14	74	33.51	37.48	19.29	39.42	-	-	P	V
		10640	42.95	-11.05	54	25.6	37.48	19.29	39.42	-	-	A	V
		15960	54.47	-19.53	74	34.52	41.22	23.81	45.08	-	-	P	V
		15960	45.48	-8.52	54	25.53	41.22	23.81	45.08	-	-	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.	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 52 5260MHz		5113.9	52.33	-21.67	74	40.72	32.57	12.68	33.64	100	47	P	H
		5111.18	41.96	-12.04	54	30.34	32.58	12.67	33.63	100	47	A	H
	*	5260	107.94	-	-	96.3	32.58	12.93	33.87	100	47	P	H
	*	5260	100.84	-	-	89.2	32.58	12.93	33.87	100	47	A	H
		5405.76	50.19	-23.81	74	38.64	32.51	13.13	34.09	100	47	P	H
		5410.56	41.69	-12.31	54	30.14	32.52	13.13	34.1	100	47	A	H
		5076.16	51.14	-22.86	74	39.57	32.55	12.6	33.58	101	175	P	V
		5108.8	41.92	-12.08	54	30.3	32.58	12.67	33.63	101	175	A	V
	*	5260	106.53	-	-	94.89	32.58	12.93	33.87	101	175	P	V
	*	5260	99.1	-	-	87.46	32.58	12.93	33.87	101	175	A	V
		5443.68	49.79	-24.21	74	38.18	32.59	13.17	34.15	101	175	P	V
		5410.32	40.14	-13.86	54	28.59	32.52	13.13	34.1	101	175	A	V
802.11n HT20 CH 60 5300MHz		5148.92	52.4	-21.6	74	40.84	32.5	12.75	33.69	100	133	P	H
		5083.3	42.03	-11.97	54	30.43	32.57	12.62	33.59	100	133	A	H
	*	5300	106.06	-	-	94.5	32.5	12.99	33.93	100	133	P	H
	*	5300	99.64	-	-	88.08	32.5	12.99	33.93	100	133	A	H
		5351.52	51.94	-22.06	74	40.4	32.5	13.05	34.01	100	133	P	H
		5350.32	42.85	-11.15	54	31.31	32.5	13.05	34.01	100	133	A	H
		5014.28	50.87	-23.13	74	39.23	32.64	12.48	33.48	100	172	P	V
		5072.76	42.05	-11.95	54	30.47	32.55	12.6	33.57	100	172	A	V
	*	5300	105.79	-	-	94.23	32.5	12.99	33.93	100	172	P	V
	*	5300	98.32	-	-	86.76	32.5	12.99	33.93	100	172	A	V
		5358.96	49.42	-24.58	74	37.88	32.5	13.06	34.02	100	172	P	V
		5350.08	41.82	-12.18	54	30.28	32.5	13.05	34.01	100	172	A	V

	*	5320	107.92	-	-	96.37	32.5	13.01	33.96	100	44	P	H
	*	5320	100.95	-	-	89.4	32.5	13.01	33.96	100	44	A	H
		5351.84	58.17	-15.83	74	46.63	32.5	13.05	34.01	100	44	P	H
		5350.08	48.2	-5.8	54	36.66	32.5	13.05	34.01	100	44	A	H
802.11n													H
HT20													H
CH 64	*	5320	105.25	-	-	93.7	32.5	13.01	33.96	100	174	P	V
5320MHz	*	5320	98.32	-	-	86.77	32.5	13.01	33.96	100	174	A	V
		5350.08	54.9	-19.1	74	43.36	32.5	13.05	34.01	100	174	P	V
		5350.24	45.78	-8.22	54	34.24	32.5	13.05	34.01	100	174	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.	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	50.06	-18.14	68.2	32.99	37.24	19.17	39.34	-	-	P	H
		15780	54.68	-19.32	74	34.28	41.5	23.65	44.75	-	-	P	H
		15780	45.16	-8.84	54	24.76	41.5	23.65	44.75	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 52		10520	49.69	-18.51	68.2	32.62	37.24	19.17	39.34	-	-	P	V
5260MHz		15780	55.17	-18.83	74	34.77	41.5	23.65	44.75	-	-	P	V
		15780	45.19	-8.81	54	24.79	41.5	23.65	44.75	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	49.63	-24.37	74	32.37	37.4	19.25	39.39	-	-	P	H
		10600	40.47	-13.53	54	23.21	37.4	19.25	39.39	-	-	A	H
		15900	54.11	-19.89	74	34.03	41.3	23.75	44.97	-	-	P	H
		15900	44.72	-9.28	54	24.64	41.3	23.75	44.97	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 60		10600	50.58	-23.42	74	33.32	37.4	19.25	39.39	-	-	P	V
5300MHz		10600	40.47	-13.53	54	23.21	37.4	19.25	39.39	-	-	A	V
		15900	53.82	-20.18	74	33.74	41.3	23.75	44.97	-	-	P	V
		15900	44.65	-9.35	54	24.57	41.3	23.75	44.97	-	-	A	V
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													V

WIFI Ant.	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	50.78	-23.22	74	33.43	37.48	19.29	39.42	-	-	P	H
		10640	42.83	-11.17	54	25.48	37.48	19.29	39.42	-	-	A	H
		15960	53.82	-20.18	74	33.87	41.22	23.81	45.08	-	-	P	H
		15960	45.01	-8.99	54	25.06	41.22	23.81	45.08	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 64		10640	50.11	-23.89	74	32.76	37.48	19.29	39.42	-	-	P	V
5320MHz		10640	42.57	-11.43	54	25.22	37.48	19.29	39.42	-	-	A	V
		15960	53.91	-20.09	74	33.96	41.22	23.81	45.08	-	-	P	V
		15960	45.09	-8.91	54	25.14	41.22	23.81	45.08	-	-	A	V
													V
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													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.	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 54 5270MHz		5148.58	51.1	-22.9	74	39.54	32.5	12.75	33.69	132	41	P	H
		5140.08	42.05	-11.95	54	30.48	32.52	12.73	33.68	132	41	A	H
	*	5270	103.15	-	-	91.53	32.56	12.94	33.88	132	41	P	H
	*	5270	96.18	-	-	84.56	32.56	12.94	33.88	132	41	A	H
		5352.24	51.08	-22.92	74	39.53	32.5	13.06	34.01	132	41	P	H
		5352.24	42.84	-11.16	54	31.29	32.5	13.06	34.01	132	41	A	H
		5087.38	51.22	-22.78	74	39.63	32.57	12.62	33.6	100	161	P	V
		5147.56	42.11	-11.89	54	30.55	32.5	12.75	33.69	100	161	A	V
	*	5270	102.44	-	-	90.82	32.56	12.94	33.88	100	161	P	V
	*	5270	95.23	-	-	83.61	32.56	12.94	33.88	100	161	A	V
		5358.96	50.51	-23.49	74	38.97	32.5	13.06	34.02	100	161	P	V
		5350.8	41.71	-12.29	54	30.17	32.5	13.05	34.01	100	161	A	V
802.11n HT40 CH 62 5310MHz		5005.44	52.02	-21.98	74	40.35	32.68	12.46	33.47	100	34	P	H
		5077.86	41.98	-12.02	54	30.39	32.56	12.61	33.58	100	34	A	H
	*	5310	103.93	-	-	92.37	32.5	13	33.94	100	34	P	H
	*	5310	97.1	-	-	85.54	32.5	13	33.94	100	34	A	H
		5353.92	61.04	-12.96	74	49.49	32.5	13.06	34.01	100	34	P	H
		5350.08	48.52	-5.48	54	36.98	32.5	13.05	34.01	100	34	A	H
		5068.34	50.75	-23.25	74	39.19	32.54	12.59	33.57	100	156	P	V
		5085.68	41.92	-12.08	54	30.32	32.57	12.62	33.59	100	156	A	V
	*	5310	102.15	-	-	90.59	32.5	13	33.94	100	156	P	V
	*	5310	95.18	-	-	83.62	32.5	13	33.94	100	156	A	V
		5354.4	56.6	-17.4	74	45.05	32.5	13.06	34.01	100	156	P	V
		5350.08	46.55	-7.45	54	35.01	32.5	13.05	34.01	100	156	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10540	49.6	-18.6	68.2	32.48	37.28	19.19	39.35	-	-	P	H
		15810	53.73	-20.27	74	33.37	41.48	23.68	44.8	-	-	P	H
		15810	44.79	-9.21	54	24.43	41.48	23.68	44.8	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 54		10540	49.23	-18.97	68.2	32.11	37.28	19.19	39.35	-	-	P	V
5270MHz		15810	55.32	-18.68	74	34.96	41.48	23.68	44.8	-	-	P	V
		15810	44.86	-9.14	54	24.5	41.48	23.68	44.8	-	-	A	V
													V
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													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10620	49.13	-24.87	74	31.82	37.44	19.27	39.4	-	-	P	H
		10620	41.22	-12.78	54	23.91	37.44	19.27	39.4	-	-	A	H
		15930	54.9	-19.1	74	34.91	41.24	23.78	45.03	-	-	P	H
		15930	44.52	-9.48	54	24.53	41.24	23.78	45.03	-	-	A	H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 62		10620	50.43	-23.57	74	33.12	37.44	19.27	39.4	-	-	P	V
5310MHz		10620	41.07	-12.93	54	23.76	37.44	19.27	39.4	-	-	A	V
		15930	53.74	-20.26	74	33.75	41.24	23.78	45.03	-	-	P	V
		15930	44.5	-9.5	54	24.51	41.24	23.78	45.03	-	-	A	V
													V
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													V
													V
													V
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													V
													V

Remark

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

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	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		5131.7	52.33	-21.67	74	40.75	32.54	12.71	33.67	100	34	P	H
		5146.4	43.81	-10.19	54	32.25	32.51	12.74	33.69	100	34	A	H
	*	5290	99.88	-	-	88.3	32.52	12.97	33.91	100	34	P	H
	*	5290	92.62	-	-	81.04	32.52	12.97	33.91	100	34	A	H
		5350.8	55.49	-18.51	74	43.95	32.5	13.05	34.01	100	34	P	H
		5350.56	47.38	-6.62	54	35.84	32.5	13.05	34.01	100	34	A	H
		5136.8	52.31	-21.69	74	40.73	32.53	12.72	33.67	100	150	P	V
		5144.9	43.5	-10.5	54	31.94	32.51	12.74	33.69	100	150	A	V
	*	5290	97.54	-	-	85.96	32.52	12.97	33.91	100	150	P	V
	*	5290	90.76	-	-	79.18	32.52	12.97	33.91	100	150	A	V
		5350.8	53.69	-20.31	74	42.15	32.5	13.05	34.01	100	150	P	V
		5350.08	45.47	-8.53	54	33.93	32.5	13.05	34.01	100	150	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		10580	49.89	-18.31	68.2	32.68	37.36	19.23	39.38	-	-	P	H
		15870	54.43	-19.57	74	34.26	41.36	23.73	44.92	-	-	P	H
		15870	44.6	-9.4	54	24.43	41.36	23.73	44.92	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac VHT80 CH 58 5290MHz													H
		10580	49.48	-18.72	68.2	32.27	37.36	19.23	39.38	-	-	P	V
		15870	54.17	-19.83	74	34	41.36	23.73	44.92	-	-	P	V
		15870	44.63	-9.37	54	24.46	41.36	23.73	44.92	-	-	A	V
													V
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													V
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													V
													V
													V

Remark

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

Band 2 5250~5350MHz

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	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		5459.44	53.92	-20.08	74	42.25	32.66	13.19	34.18	100	36	P	H
		5468.88	57.88	-10.32	68.2	46.15	32.71	13.21	34.19	100	36	P	H
		5460	44.91	-9.09	54	33.24	32.66	13.19	34.18	100	36	A	H
	*	5500	108.96	-	-	97.06	32.9	13.24	34.24	100	36	P	H
	*	5500	101.67	-	-	89.77	32.9	13.24	34.24	100	36	A	H
													H
		5453.68	50.54	-23.46	74	38.9	32.62	13.19	34.17	100	153	P	V
		5469.84	54.38	-13.82	68.2	42.64	32.72	13.21	34.19	100	153	P	V
		5460	42.24	-11.76	54	30.57	32.66	13.19	34.18	100	153	A	V
	*	5500	104.05	-	-	92.15	32.9	13.24	34.24	100	153	P	V
	*	5500	96.67	-	-	84.77	32.9	13.24	34.24	100	153	A	V
													V
802.11a CH 116 5580MHz		5451.52	49.19	-24.81	74	37.56	32.61	13.18	34.16	100	54	P	H
		5468.56	48.96	-19.24	68.2	37.23	32.71	13.21	34.19	100	54	P	H
		5432.8	40.6	-13.4	54	29.01	32.57	13.16	34.14	100	54	A	H
	*	5580	107.52	-	-	95.27	33.2	13.35	34.3	100	54	P	H
	*	5580	101.18	-	-	88.93	33.2	13.35	34.3	100	54	A	H
		5733.185	51.46	-16.74	68.2	38.41	33.9	13.57	34.42	100	54	P	H
		5455.36	48.38	-25.62	74	36.73	32.63	13.19	34.17	100	283	P	V
		5468.56	48.41	-19.79	68.2	36.68	32.71	13.21	34.19	100	283	P	V
		5434.48	39.54	-14.46	54	27.95	32.57	13.16	34.14	100	283	A	V
	*	5580	106.84	-	-	94.59	33.2	13.35	34.3	100	283	P	V
	*	5580	99.61	-	-	87.36	33.2	13.35	34.3	100	283	A	V
		5731.61	50.97	-17.23	68.2	37.93	33.89	13.57	34.42	100	283	P	V

802.11a CH 140 5700MHz	*	5700	108.01	-	-	95.18	33.7	13.52	34.39	100	14	P	H
	*	5700	100.43	-	-	87.6	33.7	13.52	34.39	100	14	A	H
		5725.8	65.16	-3.04	68.2	52.16	33.85	13.56	34.41	100	14	P	H
													H
													H
													H
	*	5700	107.03	-	-	94.2	33.7	13.52	34.39	100	40	P	V
	*	5700	99.41	-	-	86.58	33.7	13.52	34.39	100	40	A	V
		5726.44	64.02	-4.18	68.2	51.01	33.86	13.56	34.41	100	40	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.	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	50.87	-23.13	74	32.95	37.9	19.66	39.64	-	-	P	H
		11000	42.78	-11.22	54	24.86	37.9	19.66	39.64	-	-	A	H
		16500	54.59	-13.61	68.2	34.86	41.2	24.19	45.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	51.14	-22.86	74	33.22	37.9	19.66	39.64	-	-	P	V
		11000	42.69	-11.31	54	24.77	37.9	19.66	39.64	-	-	A	V
		16500	55.55	-12.65	68.2	35.82	41.2	24.19	45.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	51.15	-22.85	74	32.75	38.34	19.81	39.75	-	-	P	H
		11160	41.46	-12.54	54	23.06	38.34	19.81	39.75	-	-	A	H
		16740	53.96	-14.24	68.2	34.46	40.98	24.35	45.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11a CH 116 5580MHz													H
		11160	50.82	-23.18	74	32.42	38.34	19.81	39.75	-	-	P	V
		11160	41.49	-12.51	54	23.09	38.34	19.81	39.75	-	-	A	V
		16740	54.08	-14.12	68.2	34.58	40.98	24.35	45.83	-	-	P	V
													V
													V
													V
													V
													V
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													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 140 5700MHz		11400	52.65	-21.35	74	33.52	39	20.04	39.91	-	-	P	H
		11400	44.98	-9.02	54	25.85	39	20.04	39.91	-	-	A	H
		17100	55.51	-12.69	68.2	36.33	40.7	24.61	46.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	52.66	-21.34	74	33.53	39	20.04	39.91	-	-	P	V
		11400	44.95	-9.05	54	25.82	39	20.04	39.91	-	-	A	V
		17100	57.03	-11.17	68.2	37.85	40.7	24.61	46.13	-	-	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.	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)
		5460.08	52.18	-16.02	68.2	40.5	32.66	13.2	34.18	115	44	P	H
		5465.52	56.09	-12.11	68.2	44.39	32.69	13.2	34.19	115	44	P	H
		5459.6	45.06	-8.94	54	33.39	32.66	13.19	34.18	115	44	A	H
	*	5500	107.96	-	-	96.06	32.9	13.24	34.24	115	44	P	H
802.11n	*	5500	100.96	-	-	89.06	32.9	13.24	34.24	115	44	A	H
HT20													H
CH 100		5454	49.8	-24.2	74	38.16	32.62	13.19	34.17	100	163	P	V
5500MHz		5466.16	54.71	-13.49	68.2	43	32.7	13.2	34.19	100	163	P	V
		5459.76	42.08	-11.92	54	30.41	32.66	13.19	34.18	100	163	A	V
	*	5500	102.21	-	-	90.31	32.9	13.24	34.24	100	163	P	V
	*	5500	94.9	-	-	83	32.9	13.24	34.24	100	163	A	V
													V
		5429.92	49.49	-24.51	74	37.9	32.56	13.16	34.13	100	54	P	H
		5466.4	48.49	-19.71	68.2	36.78	32.7	13.2	34.19	100	54	P	H
		5428.48	40.27	-13.73	54	28.68	32.56	13.16	34.13	100	54	A	H
	*	5580	106.55	-	-	94.3	33.2	13.35	34.3	100	54	P	H
802.11n	*	5580	99.17	-	-	86.92	33.2	13.35	34.3	100	54	A	H
HT20		5725.94	51.27	-16.93	68.2	38.26	33.86	13.56	34.41	100	54	P	H
CH 116		5452.72	49.36	-24.64	74	37.72	32.62	13.19	34.17	100	282	P	V
5580MHz		5460.64	49.24	-18.96	68.2	37.56	32.66	13.2	34.18	100	282	P	V
		5458.48	39.52	-14.48	54	27.86	32.65	13.19	34.18	100	282	A	V
	*	5580	105.09	-	-	92.84	33.2	13.35	34.3	100	282	P	V
	*	5580	98.26	-	-	86.01	33.2	13.35	34.3	100	282	A	V
		5737.28	50.39	-17.81	68.2	37.31	33.92	13.58	34.42	100	282	P	V

	*	5700	106.62	-	-	93.79	33.7	13.52	34.39	100	19	P	H
	*	5700	99.82	-	-	86.99	33.7	13.52	34.39	100	19	A	H
		5727.96	58.4	-9.8	68.2	45.38	33.87	13.56	34.41	100	19	P	H
													H
802.11n													H
HT20													H
CH 140	*	5700	105.2	-	-	92.37	33.7	13.52	34.39	100	268	P	V
5700MHz	*	5700	97.76	-	-	84.93	33.7	13.52	34.39	100	268	A	V
		5725.24	57.6	-10.6	68.2	44.6	33.85	13.56	34.41	100	268	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.	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	50.87	-23.13	74	32.95	37.9	19.66	39.64	-	-	P	H
		11000	42.59	-11.41	54	24.67	37.9	19.66	39.64	-	-	A	H
		16500	55	-13.2	68.2	35.27	41.2	24.19	45.66	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 100		11000	50.84	-23.16	74	32.92	37.9	19.66	39.64	-	-	P	V
5500MHz		11000	42.38	-11.62	54	24.46	37.9	19.66	39.64	-	-	A	V
		16500	55.42	-12.78	68.2	35.69	41.2	24.19	45.66	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	50.55	-23.45	74	32.15	38.34	19.81	39.75	-	-	P	H
		11160	41.35	-12.65	54	22.95	38.34	19.81	39.75	-	-	A	H
		16740	53.43	-14.77	68.2	33.93	40.98	24.35	45.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 116		11160	51.02	-22.98	74	32.62	38.34	19.81	39.75	-	-	P	V
5580MHz		11160	41.47	-12.53	54	23.07	38.34	19.81	39.75	-	-	A	V
		16740	53.56	-14.64	68.2	34.06	40.98	24.35	45.83	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	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	52.54	-21.46	74	33.41	39	20.04	39.91	-	-	P	H
		11400	44.66	-9.34	54	25.53	39	20.04	39.91	-	-	A	H
		17100	56.07	-12.13	68.2	36.89	40.7	24.61	46.13	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT20													H
CH 140		11400	54.55	-19.45	74	35.42	39	20.04	39.91	-	-	P	V
5700MHz		11400	44.62	-9.38	54	25.49	39	20.04	39.91	-	-	A	V
		17100	56.81	-11.39	68.2	37.63	40.7	24.61	46.13	-	-	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 HT40 (Band Edge @ 3m)

WIFI Ant.	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 102 5510MHz		5458.96	54.23	-19.77	74	42.57	32.65	13.19	34.18	118	32	P	H
		5465.92	61.91	-6.29	68.2	50.2	32.7	13.2	34.19	118	32	P	H
		5459.2	45.45	-8.55	54	33.78	32.66	13.19	34.18	118	32	A	H
	*	5510	102.96	-	-	90.99	32.96	13.26	34.25	118	32	P	H
	*	5510	95.77	-	-	83.8	32.96	13.26	34.25	118	32	A	H
		5738.225	50.25	-17.95	68.2	37.16	33.93	13.58	34.42	118	32	P	H
		5459.68	52.57	-21.43	74	40.9	32.66	13.19	34.18	100	158	P	V
		5465.68	57.57	-10.63	68.2	45.87	32.69	13.2	34.19	100	158	P	V
		5459.2	43.16	-10.84	54	31.49	32.66	13.19	34.18	100	158	A	V
	*	5510	100.48	-	-	88.51	32.96	13.26	34.25	100	158	P	V
	*	5510	93.01	-	-	81.04	32.96	13.26	34.25	100	158	A	V
		5734.76	50.13	-18.07	68.2	37.07	33.91	13.57	34.42	100	158	P	V
802.11n HT40 CH 110 5550MHz		5459.92	48.35	-25.65	74	36.68	32.66	13.19	34.18	118	9	P	H
		5468.8	49.04	-19.16	68.2	37.31	32.71	13.21	34.19	118	9	P	H
		5459.44	41.33	-12.67	54	29.66	32.66	13.19	34.18	118	9	A	H
	*	5550	103.89	-	-	91.66	33.2	13.31	34.28	118	9	P	H
	*	5550	96.8	-	-	84.57	33.2	13.31	34.28	118	9	A	H
		5734.445	50.28	-17.92	68.2	37.22	33.91	13.57	34.42	118	9	P	H
		5427.28	48.71	-25.29	74	37.14	32.55	13.15	34.13	195	33	P	V
		5469.76	47.32	-20.88	68.2	35.58	32.72	13.21	34.19	195	33	P	V
		5456.08	40.6	-13.4	54	28.94	32.64	13.19	34.17	195	33	A	V
	*	5550	101.27	-	-	89.04	33.2	13.31	34.28	195	33	P	V
	*	5550	94.26	-	-	82.03	33.2	13.31	34.28	195	33	A	V
		5734.76	50.5	-17.7	68.2	37.44	33.91	13.57	34.42	195	33	P	V

		5456.4	48.3	-25.7	74	36.64	32.64	13.19	34.17	139	9	P	H
		5467.6	46.98	-21.22	68.2	35.26	32.71	13.2	34.19	139	9	P	H
		5458.15	39.98	-14.02	54	28.31	32.65	13.19	34.17	139	9	A	H
	*	5670	104.91	-	-	92.22	33.58	13.48	34.37	139	9	P	H
802.11n	*	5670	97.4	-	-	84.71	33.58	13.48	34.37	139	9	A	H
HT40		5728.425	52.98	-15.22	68.2	39.96	33.87	13.56	34.41	139	9	P	H
CH 134		5350.7	47.71	-26.29	74	36.17	32.5	13.05	34.01	105	273	P	V
5670MHz		5460.25	47.3	-20.9	68.2	35.62	32.66	13.2	34.18	105	273	P	V
		5453.6	39.63	-14.37	54	27.99	32.62	13.19	34.17	105	273	A	V
	*	5670	102.96	-	-	90.27	33.58	13.48	34.37	105	273	P	V
	*	5670	96.1	-	-	83.41	33.58	13.48	34.37	105	273	A	V
		5747.325	53.01	-15.19	68.2	39.87	33.98	13.59	34.43	105	273	P	V

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

Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBµV/m)	Margin (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11020	50.42	-23.58	74	32.4	37.98	19.69	39.65	-	-	P	H
		11020	41.46	-12.54	54	23.44	37.98	19.69	39.65	-	-	A	H
		16530	54.17	-14.03	68.2	34.44	41.2	24.21	45.68	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 102		11020	50.56	-23.44	74	32.54	37.98	19.69	39.65	-	-	P	V
5510MHz		11020	41.41	-12.59	54	23.39	37.98	19.69	39.65	-	-	A	V
		16530	53.78	-14.42	68.2	34.05	41.2	24.21	45.68	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11100	52.12	-21.88	74	33.87	38.2	19.76	39.71	-	-	P	H
		11100	41.63	-12.37	54	23.38	38.2	19.76	39.71	-	-	A	H
		16650	53.51	-14.69	68.2	34.09	40.9	24.29	45.77	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
802.11n													H
HT40													H
CH 110		11100	50.49	-23.51	74	32.24	38.2	19.76	39.71	-	-	P	V
5550MHz		11100	41.65	-12.35	54	23.4	38.2	19.76	39.71	-	-	A	V
		16650	54.18	-14.02	68.2	34.76	40.9	24.29	45.77	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11340	51.71	-22.29	74	32.72	38.88	19.98	39.87	-	-	P	H
		11340	42.67	-11.33	54	23.68	38.88	19.98	39.87	-	-	A	H
		17010	53.28	-14.92	68.2	33.89	40.88	24.54	46.03	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
i802.11n													H
HT40													H
CH 134		11340	51.92	-22.08	74	32.93	38.88	19.98	39.87	-	-	P	V
5670MHz		11340	42.89	-11.11	54	23.9	38.88	19.98	39.87	-	-	A	V
		17010	53.76	-14.44	68.2	34.37	40.88	24.54	46.03	-	-	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 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant.	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 106 5530MHz		5457.76	58.42	-15.58	74	46.75	32.65	13.19	34.17	100	35	P	H
		5469.04	60.31	-7.89	68.2	48.58	32.71	13.21	34.19	100	35	P	H
		5459.44	48.47	-5.53	54	36.8	32.66	13.19	34.18	100	35	A	H
	*	5530	99.09	-	-	86.99	33.08	13.28	34.26	100	35	P	H
	*	5530	91.96	-	-	79.86	33.08	13.28	34.26	100	35	A	H
		5729.09	51.39	-16.81	68.2	38.37	33.87	13.56	34.41	100	35	P	H
		5454.64	54.88	-19.12	74	43.23	32.63	13.19	34.17	100	155	P	V
		5464.96	56.03	-12.17	68.2	44.33	32.69	13.2	34.19	100	155	P	V
		5459.44	45.89	-8.11	54	34.22	32.66	13.19	34.18	100	155	A	V
	*	5530	95.7	-	-	83.6	33.08	13.28	34.26	100	155	P	V
	*	5530	88.24	-	-	76.14	33.08	13.28	34.26	100	155	A	V
		5757.755	50.74	-17.46	68.2	37.57	34	13.61	34.44	100	155	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant.	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
		11060	50.77	-23.23	74	32.61	38.12	19.72	39.68	-	-	P	H
		11060	41.3	-12.7	54	23.14	38.12	19.72	39.68	-	-	A	H
		16590	54.55	-13.65	68.2	34.9	41.12	24.25	45.72	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
802.11ac													H
VHT80													H
CH 106		11060	50.45	-23.55	74	32.29	38.12	19.72	39.68	-	-	P	V
5530MHz		11060	41.2	-12.8	54	23.04	38.12	19.72	39.68	-	-	A	V
		16590	53.78	-14.42	68.2	34.13	41.12	24.25	45.72	-	-	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

Emission above 18GHz

WIFI 802.11a (SHF @ 1m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a SHF		39426	52.1	-21.9	74	42.42	45.75	27.77	63.84	-	-	P	H
		39426	40.51	-13.49	54	30.83	45.75	27.77	63.84	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		39314	51.8	-22.2	74	42.31	45.54	27.7	63.75	-	-	P	V
		39314	40.62	-13.38	54	31.13	45.54	27.7	63.75	-	-	A	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.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a LF		119.91	27.1	-16.4	43.5	557.87	-500	1.95	32.72	-	-	P	H
		180.12	41.36	-2.14	43.5	571.57	-500	2.46	32.67	127	345	Q	H
		240.06	34.55	-11.45	46	564.45	-500	2.76	32.66	-	-	P	H
		360.2	34.45	-11.55	46	43.12	20.7	3.37	32.74	-	-	P	H
		659.8	36.38	-9.62	46	38.26	26.35	4.58	32.81	-	-	P	H
		839.7	38.89	-7.11	46	36.98	28.95	5.22	32.26	100	347	Q	H
													H
													H
													H
													H
													H
													H
		41.07	20.2	-19.8	40	551.86	-500	1.08	32.74	100	240	Q	V
		180.12	35.79	-7.71	43.5	566	-500	2.46	32.67	-	-	P	V
		240.06	31.07	-14.93	46	560.97	-500	2.76	32.66	-	-	P	V
		360.2	29.36	-16.64	46	38.03	20.7	3.37	32.74	-	-	P	V
		699.7	31.21	-14.79	46	32.76	26.53	4.72	32.8	-	-	P	V
		899.9	36.13	-9.87	46	33.52	29.06	5.4	31.85	-	-	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.	
		(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

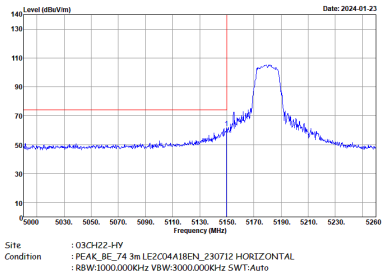
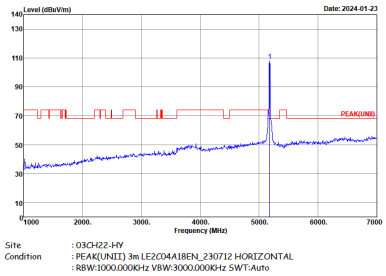
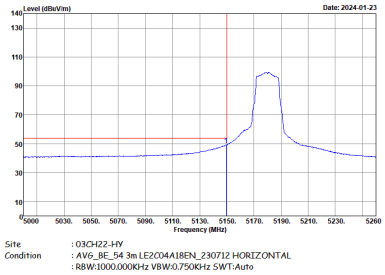
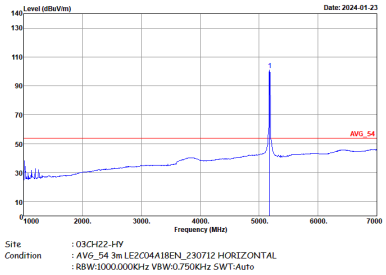
Test Engineer :	Bank Lin, Ken Kuo and Lucifer Jian	**Temperature :**	20~23°C
		Relative Humidity :	42~55%

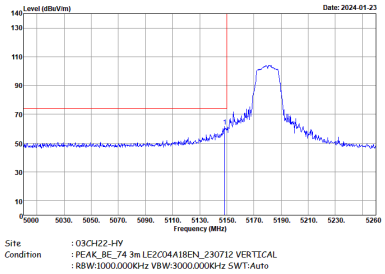
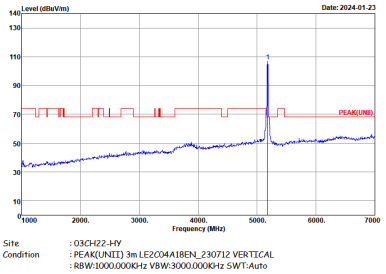
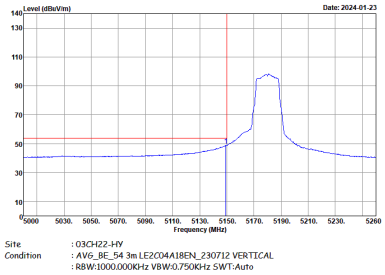
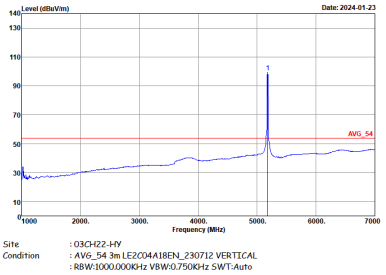
Note symbol

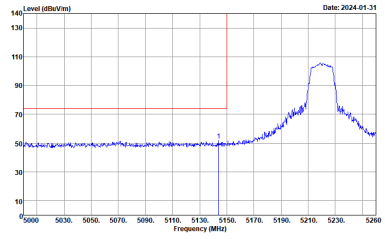
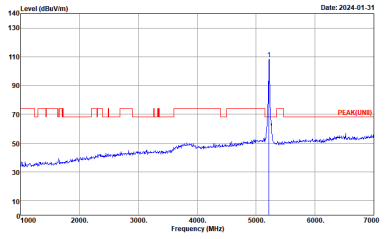
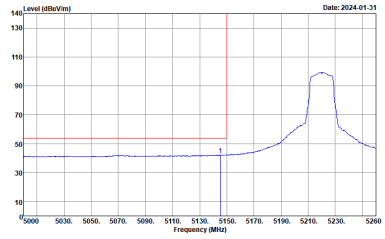
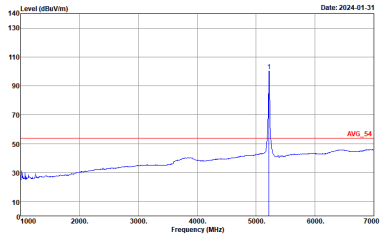
-L	**Low channel location**
-R	**High channel location**

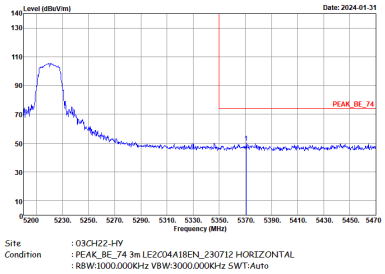
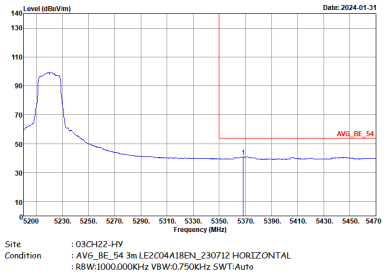
Band 1 - 5150~5250MHz

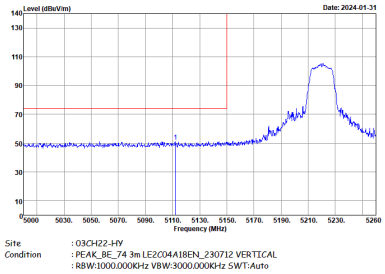
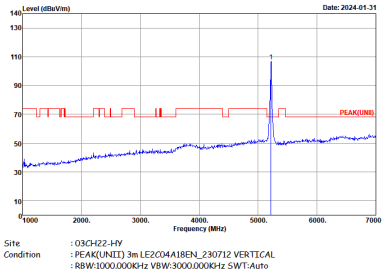
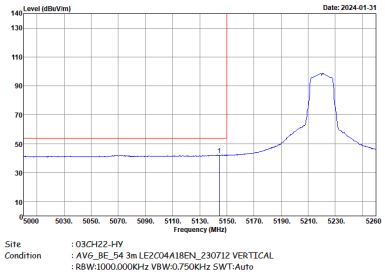
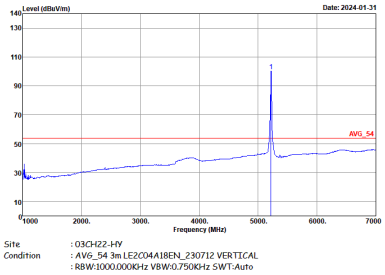
WIFI 802.11a (Band Edge @ 3m)

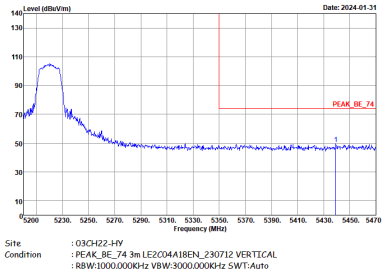
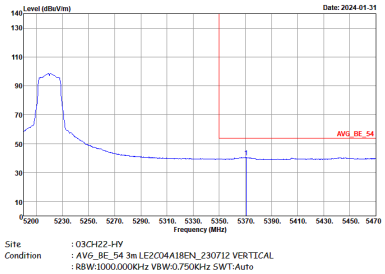
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
	Horizontal	Fundamental
Peak		
Avg.		

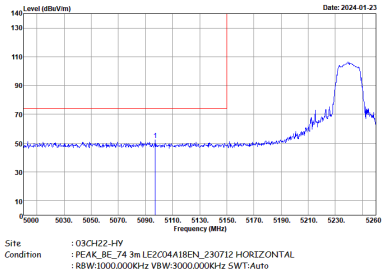
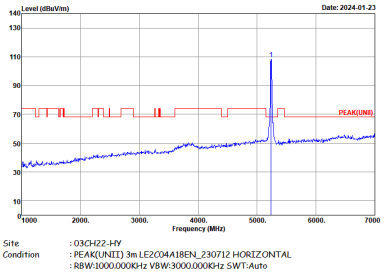
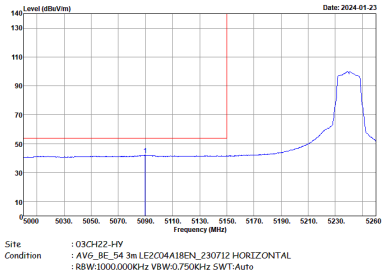
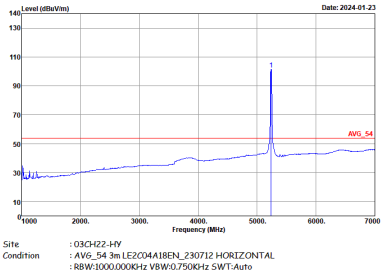
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

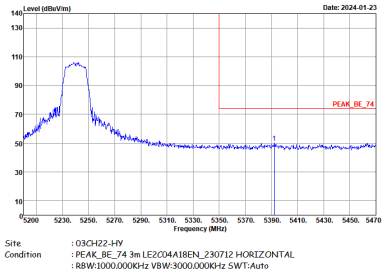
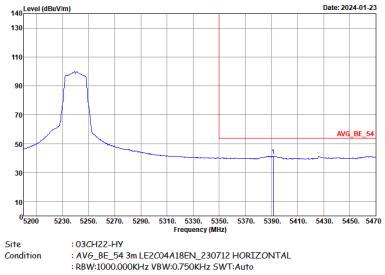
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

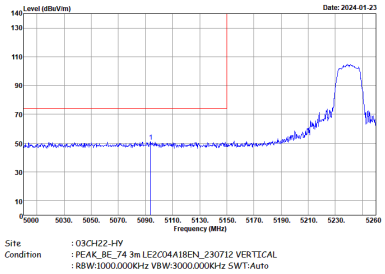
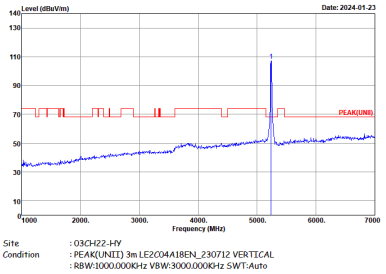
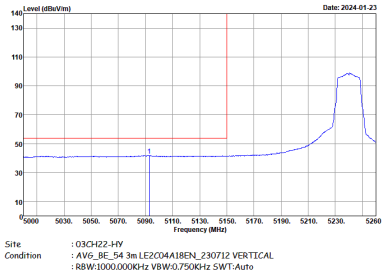
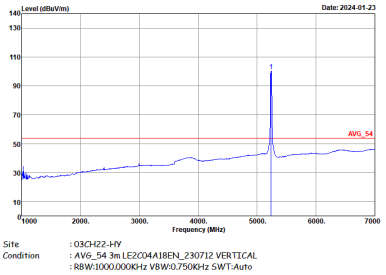
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

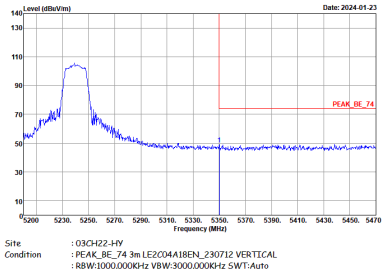
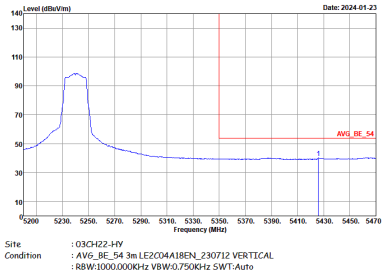
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

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

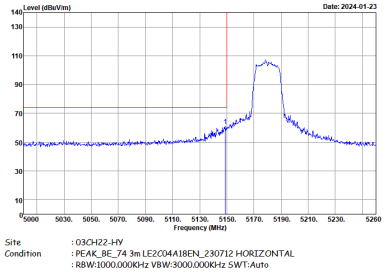
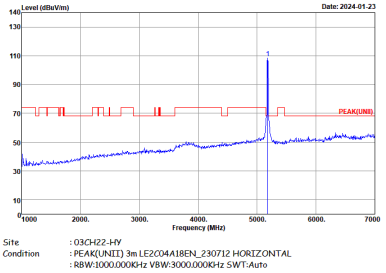
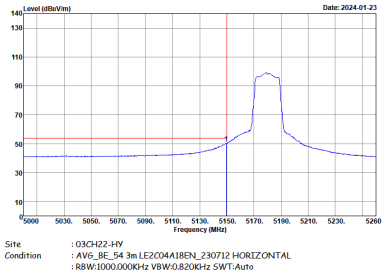
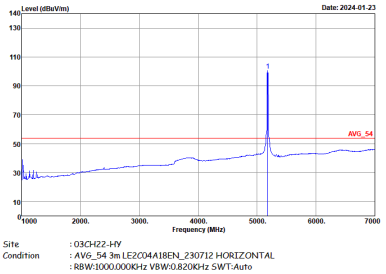
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

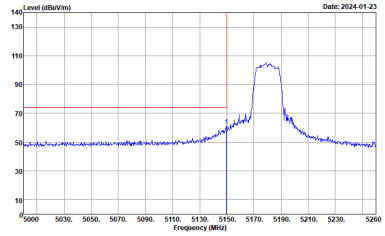
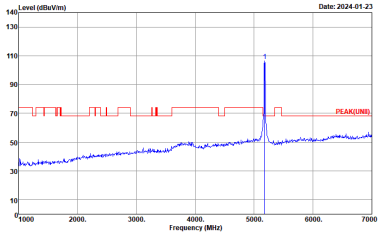
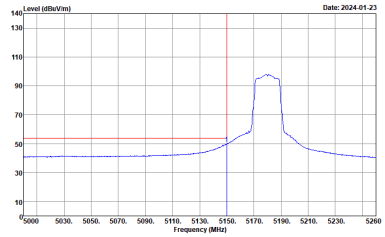
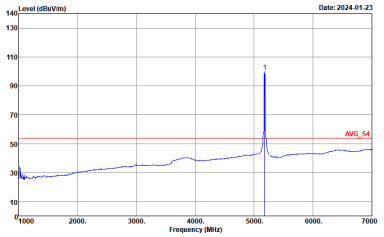
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

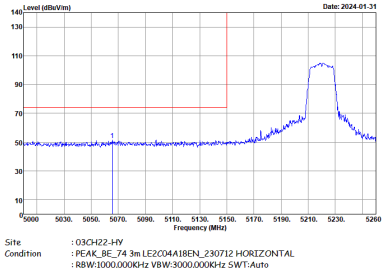
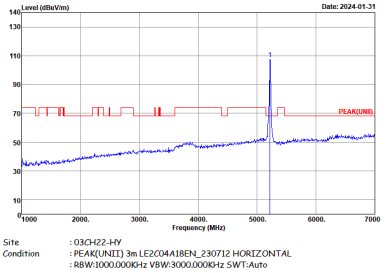
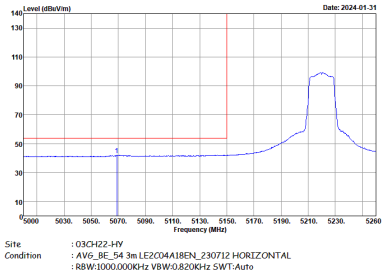
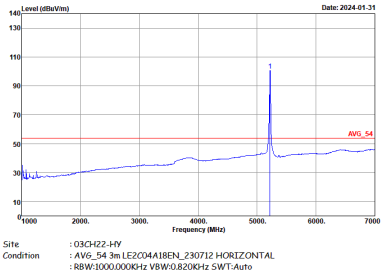
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

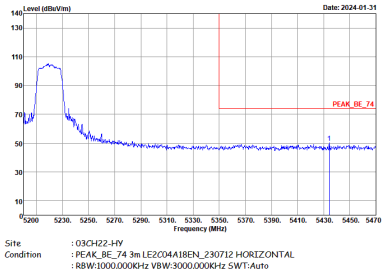
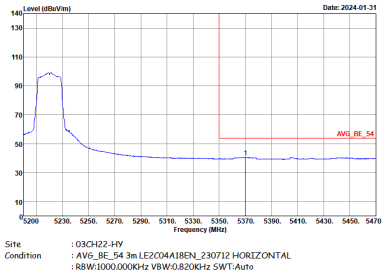
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

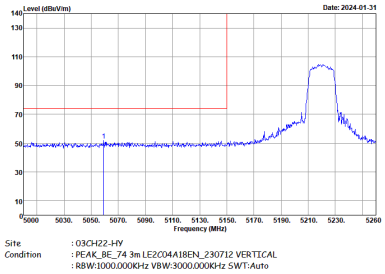
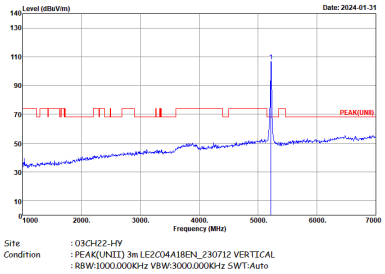
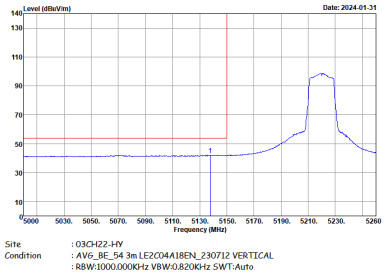
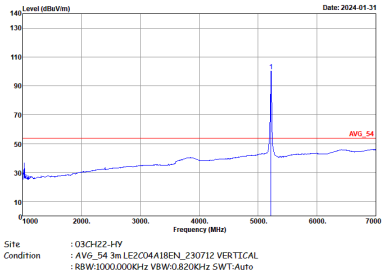
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

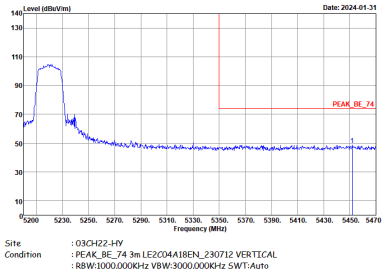
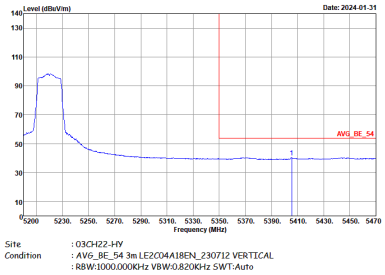
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
	Horizontal	Fundamental
Peak		
Avg.		

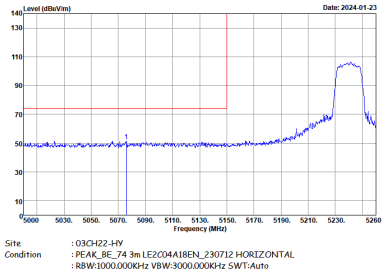
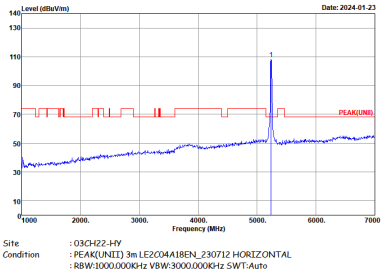
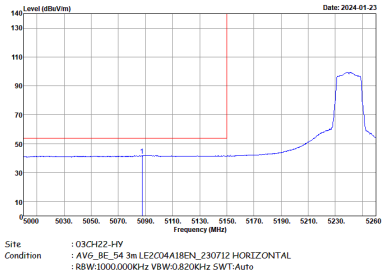
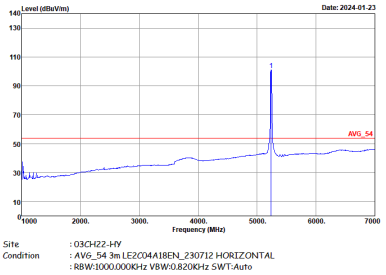
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

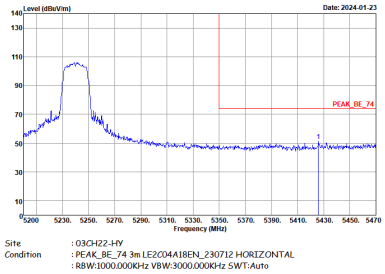
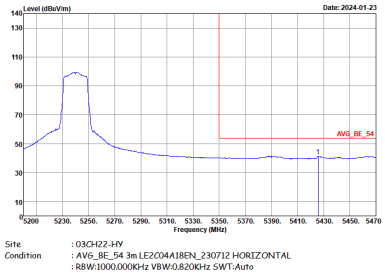
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

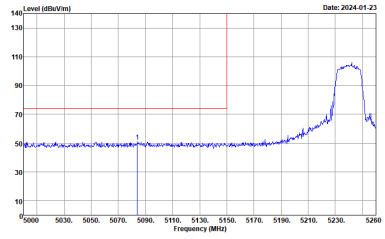
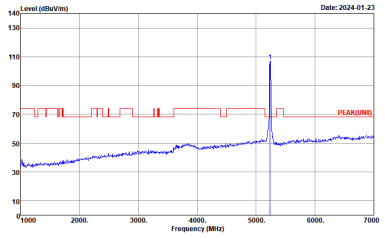
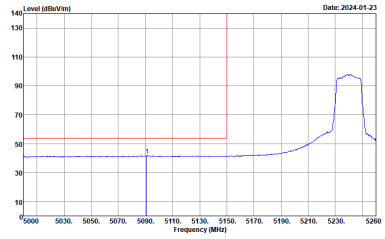
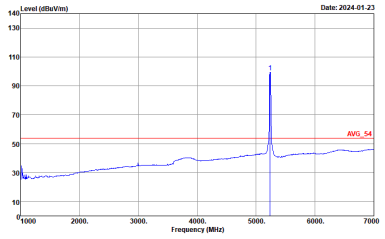
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

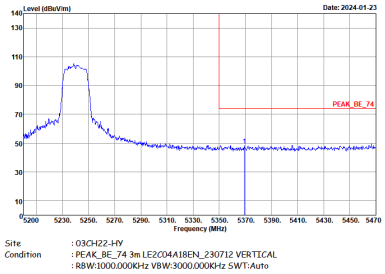
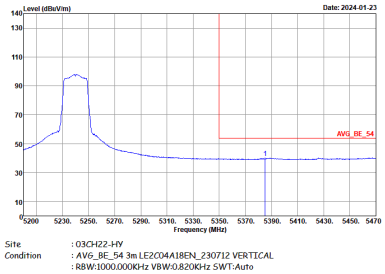
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

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

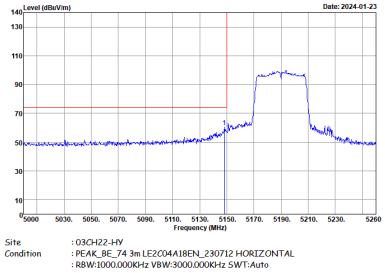
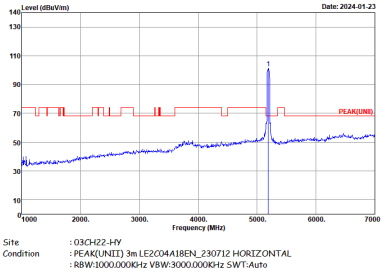
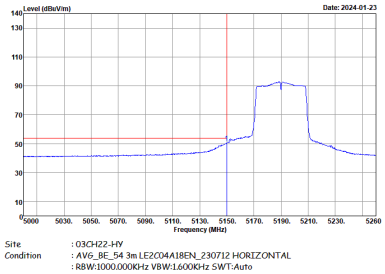
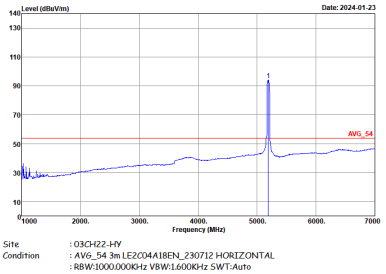
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

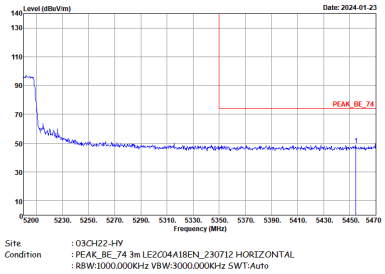
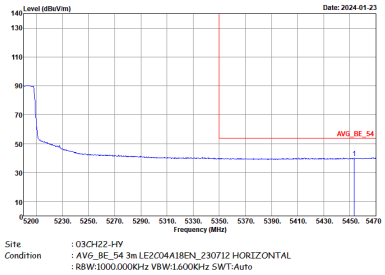
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

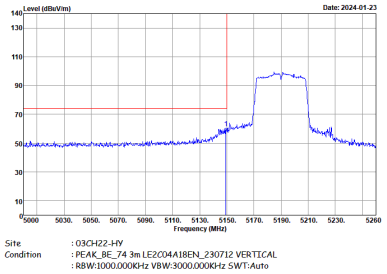
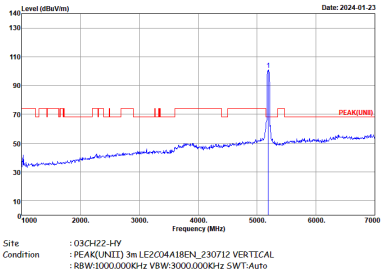
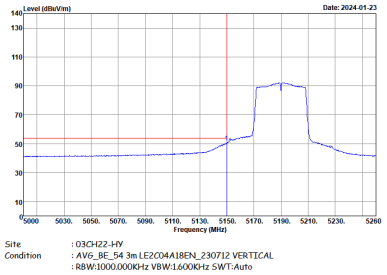
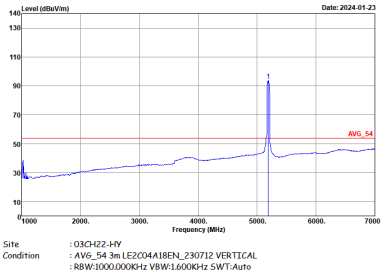
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

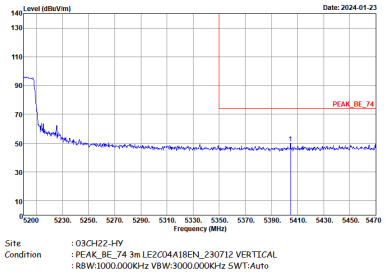
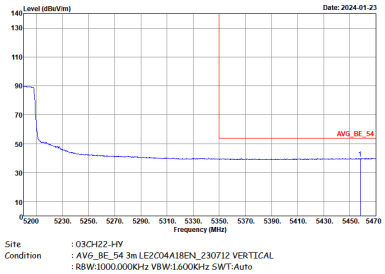
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

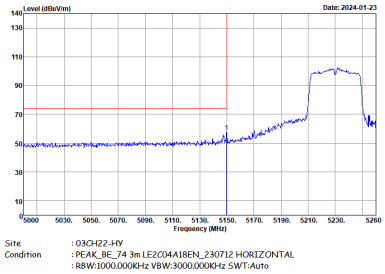
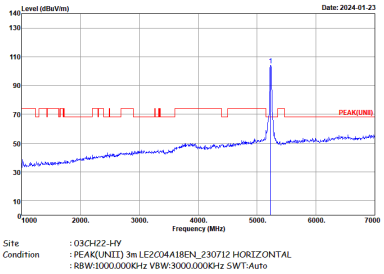
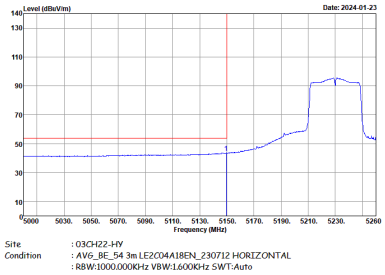
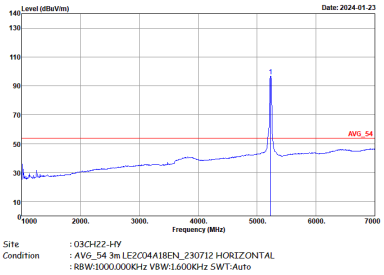
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

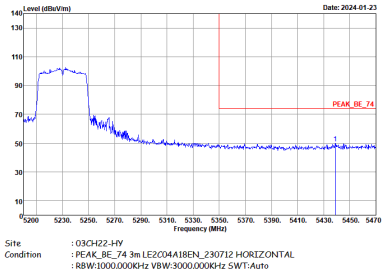
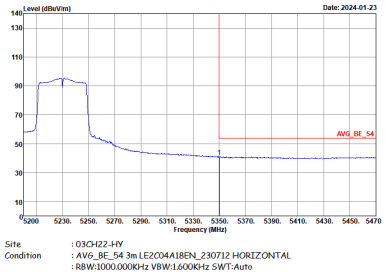
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

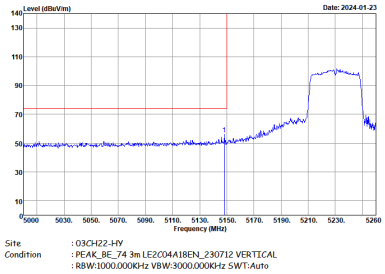
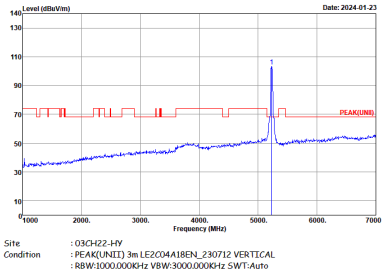
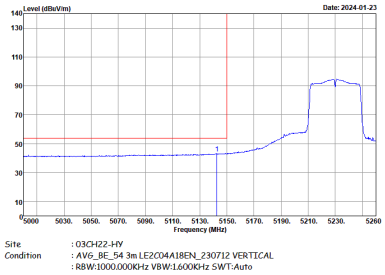
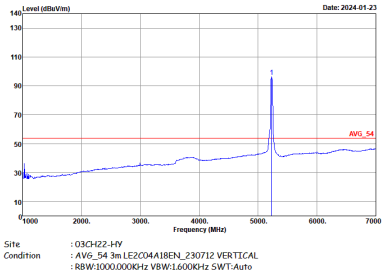
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

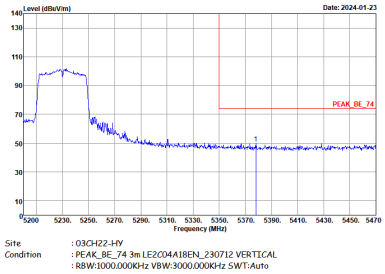
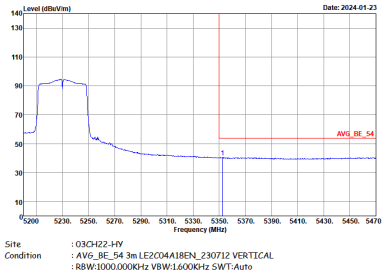
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto

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

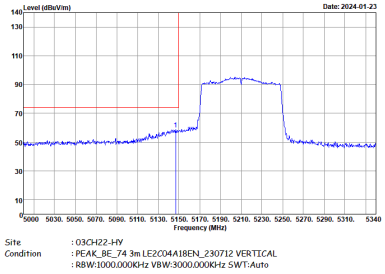
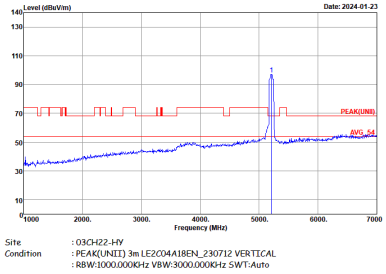
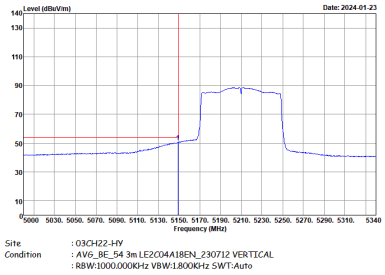
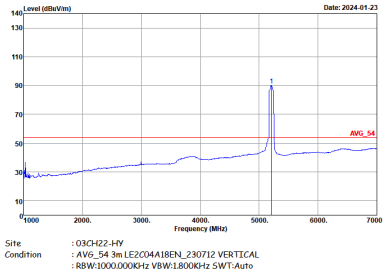
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1600KHz SWT:Auto

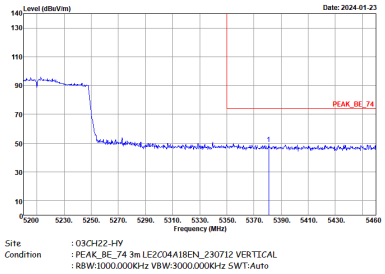
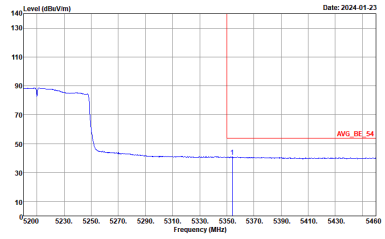
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

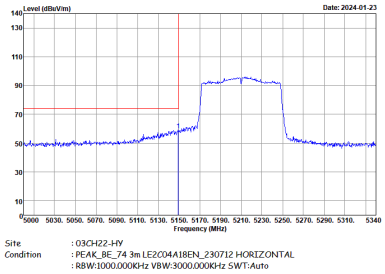
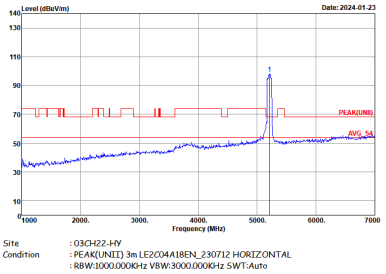
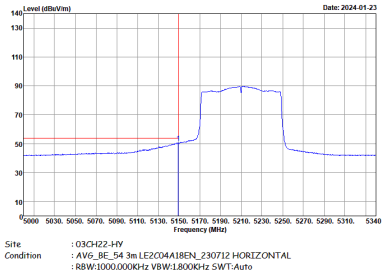
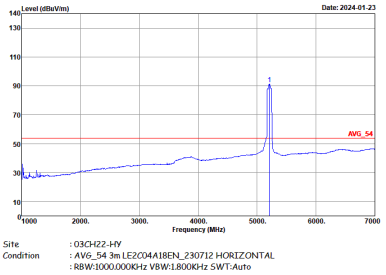
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

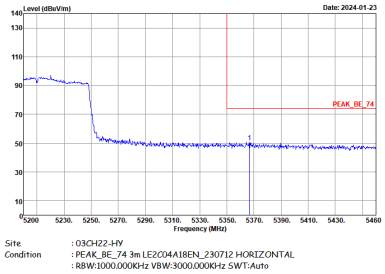
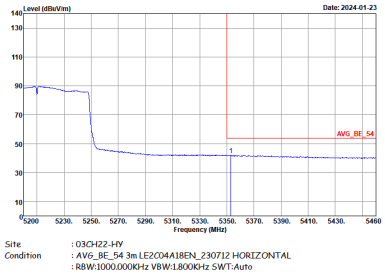
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
	Horizontal	Fundamental
Peak		
Avg.		

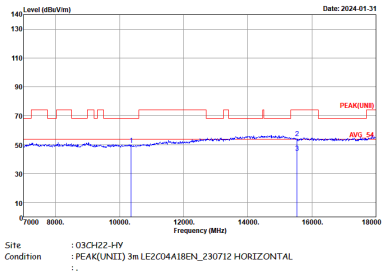
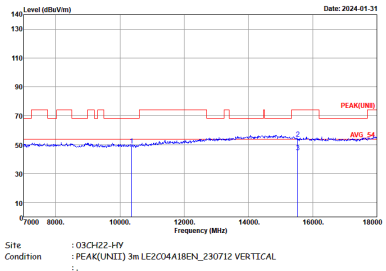
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:1800KHz SWT:Auto	Left blank

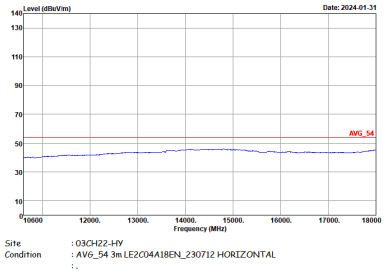
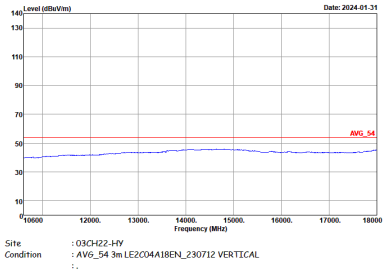
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1800KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1800KHz SWT:Auto

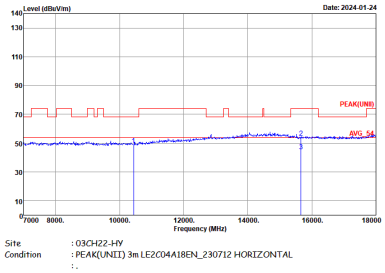
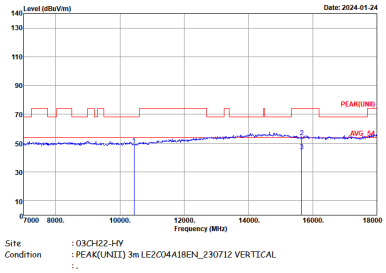
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

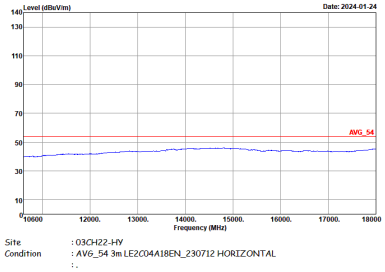
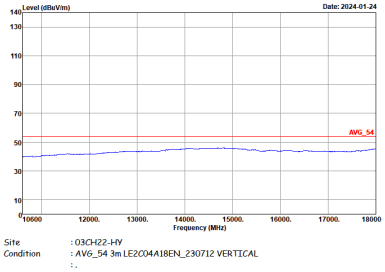
Band 1 - 5150~5250MHz

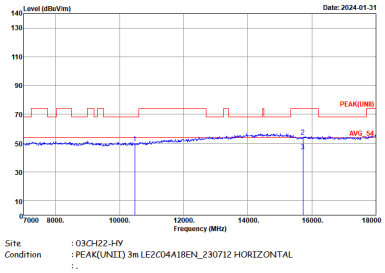
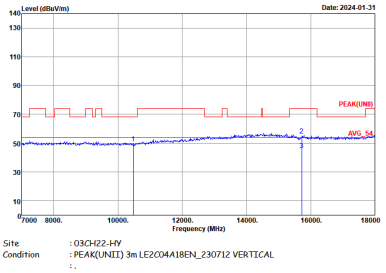
WIFI 802.11a (Harmonic @ 3m)

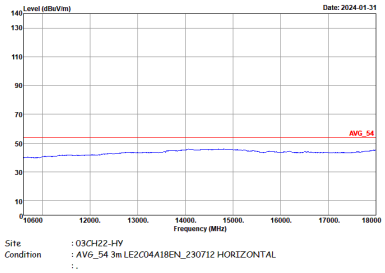
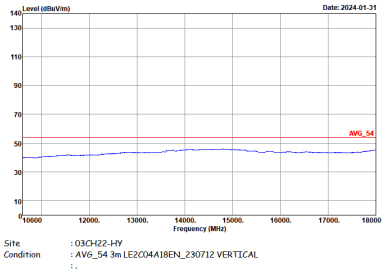
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

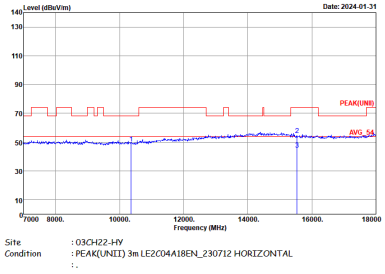
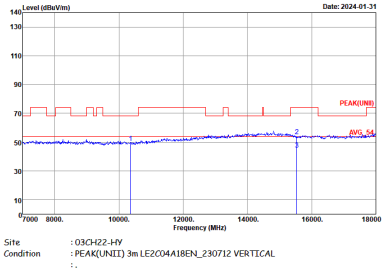
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
	Horizontal	Vertical
Peak Avg.		

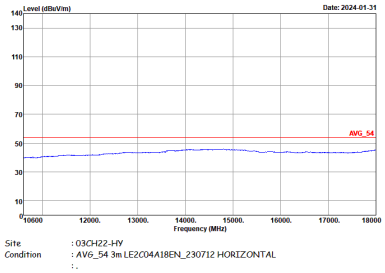
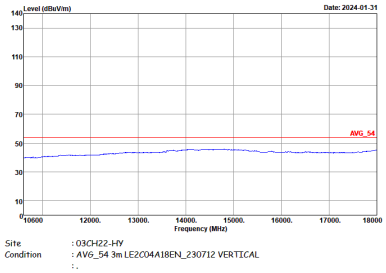
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

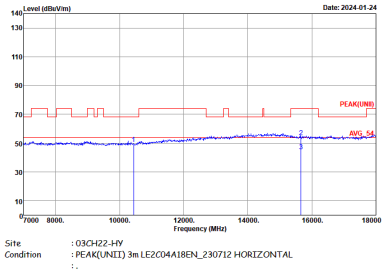
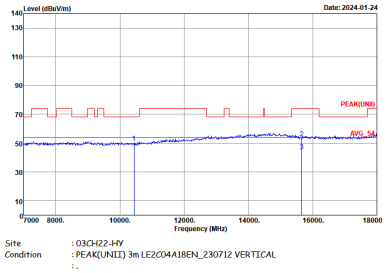
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
	Horizontal	Vertical
Peak Avg.	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL

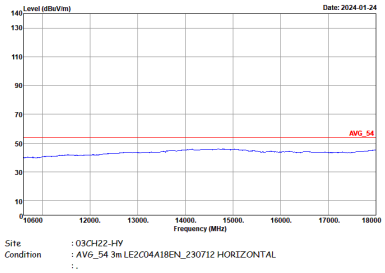
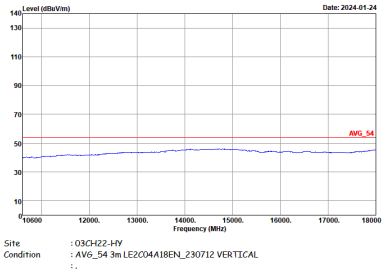
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

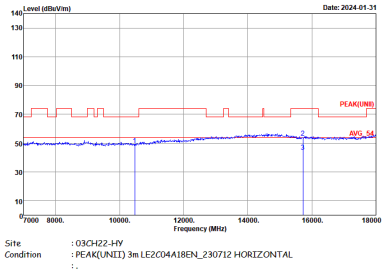
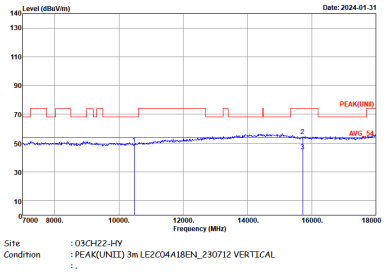
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

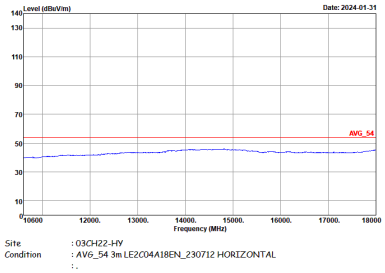
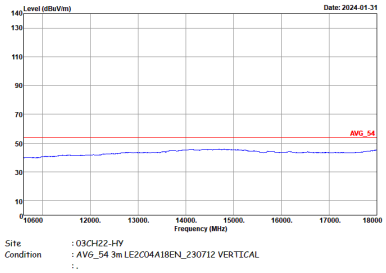
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

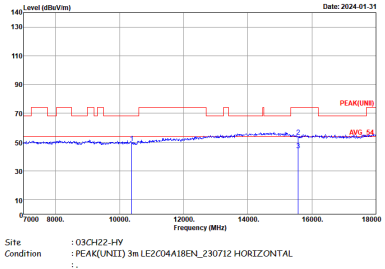
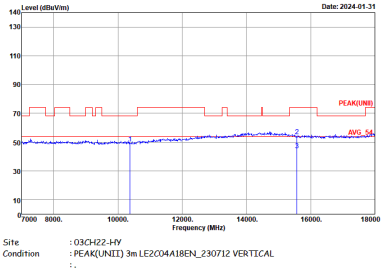
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
	Horizontal	Vertical
Peak Avg.		

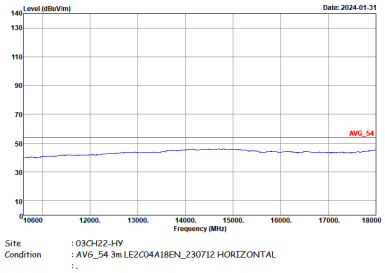
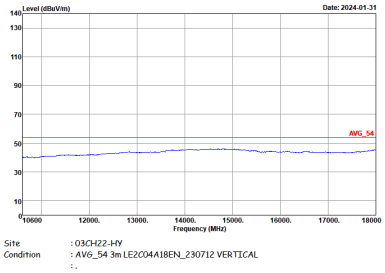
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

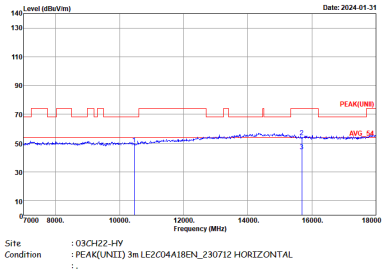
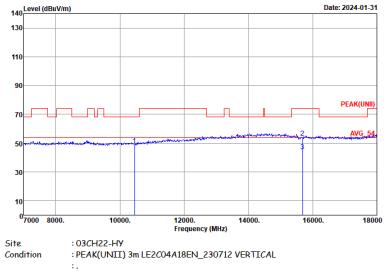
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
	Horizontal	Vertical
Peak Avg.		

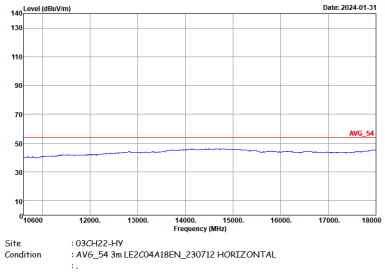
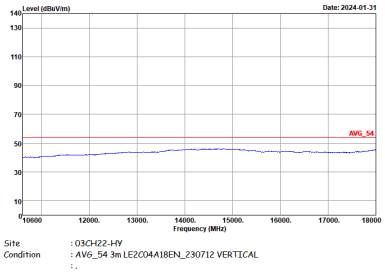
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

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

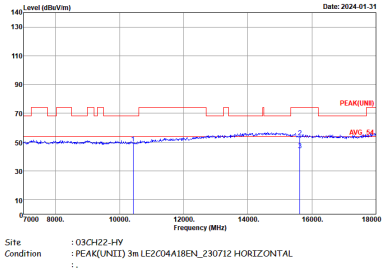
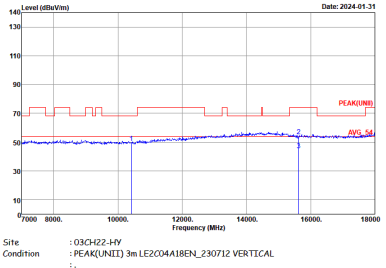
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
	Horizontal	Vertical
Peak Avg.		

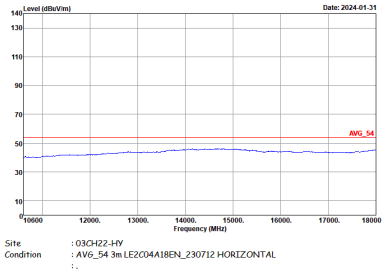
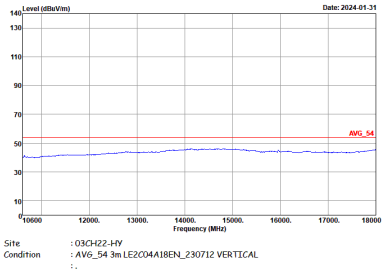
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

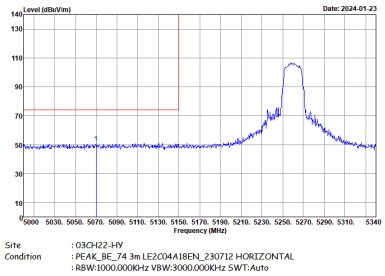
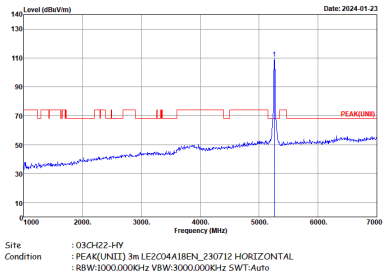
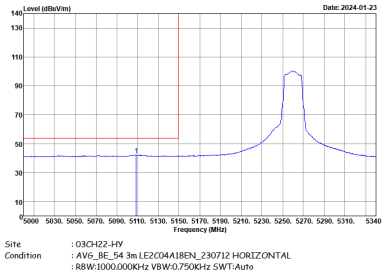
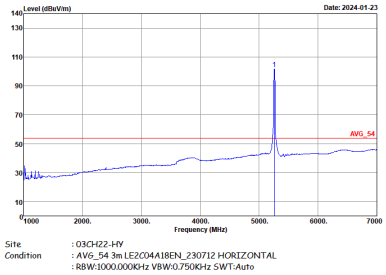
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

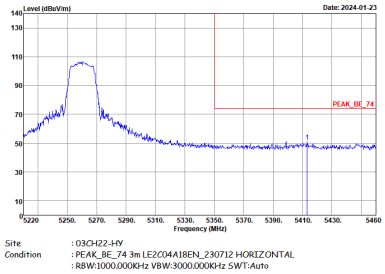
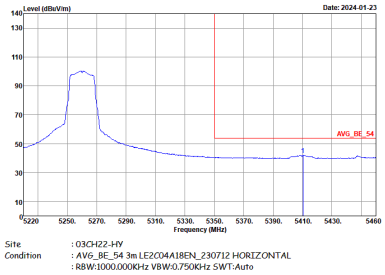
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
	Horizontal	Vertical
Peak Avg.		

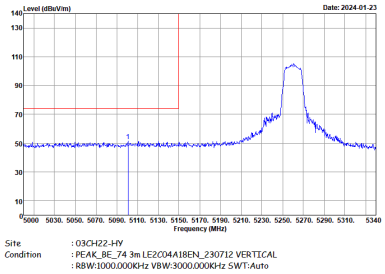
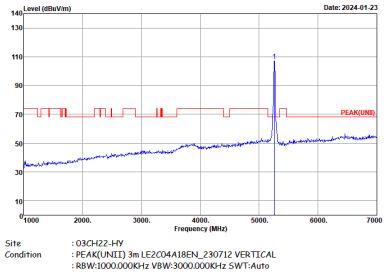
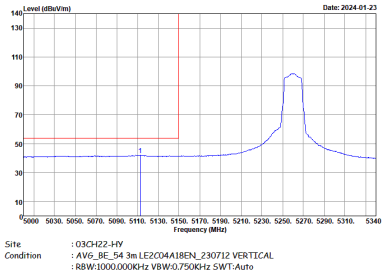
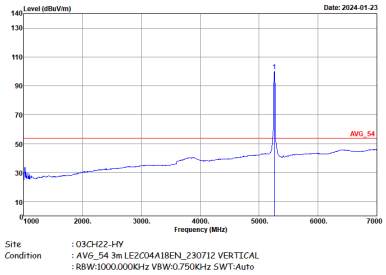
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

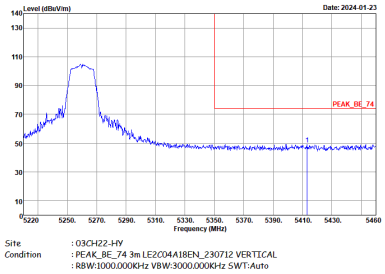
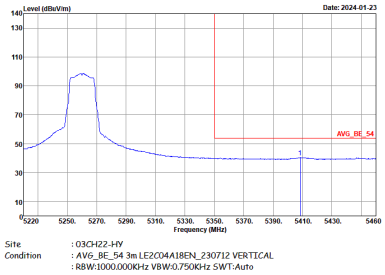
Band 2 - 5250~5350MHz

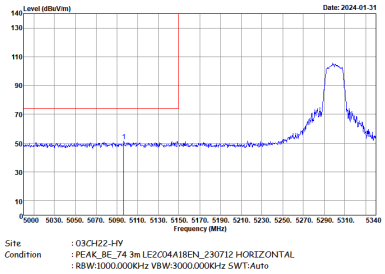
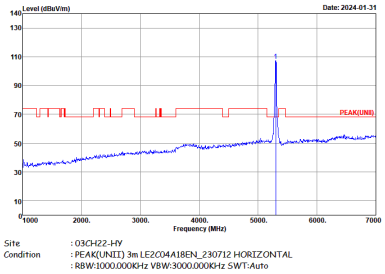
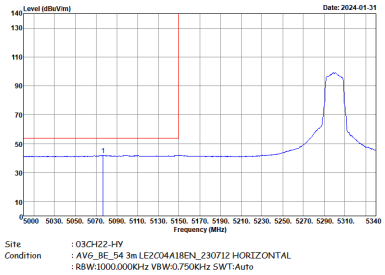
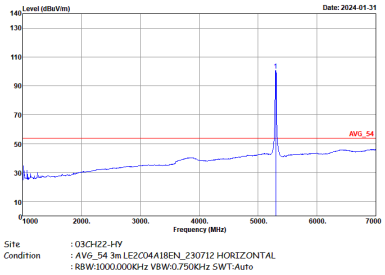
WIFI 802.11a (Band Edge @ 3m)

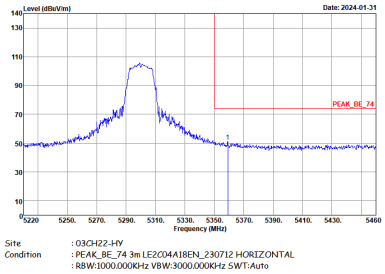
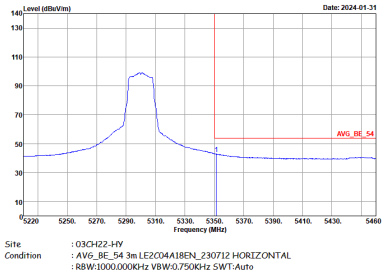
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

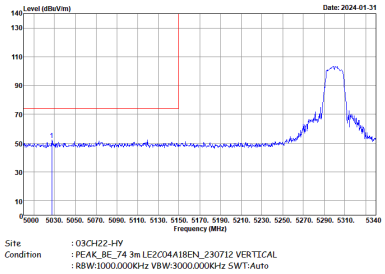
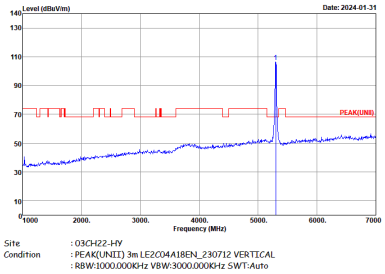
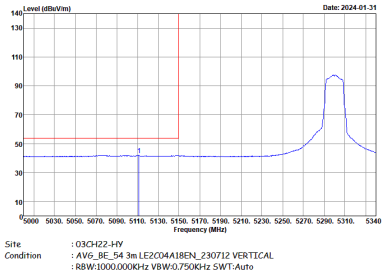
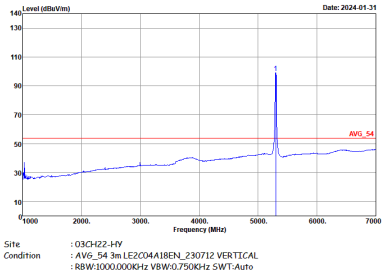
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

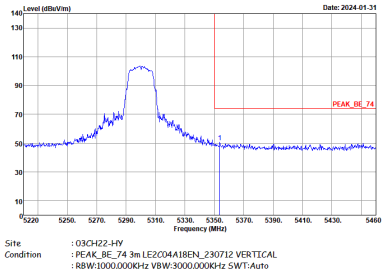
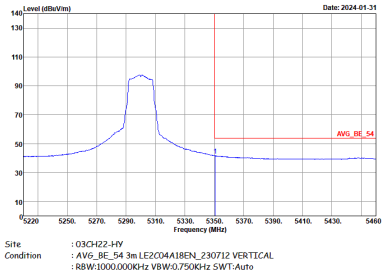
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

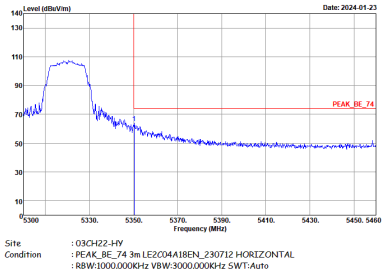
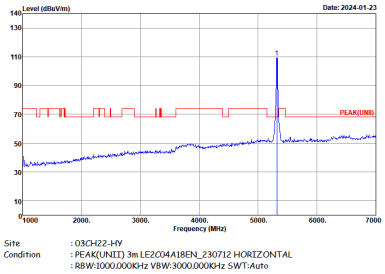
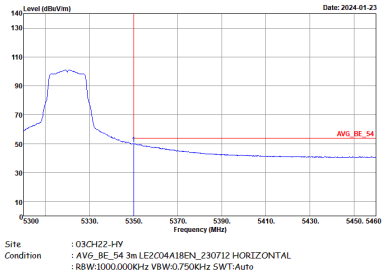
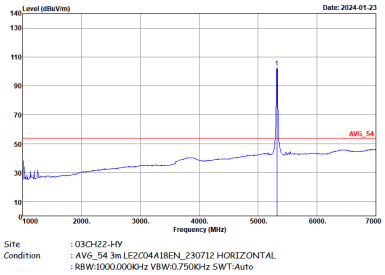
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

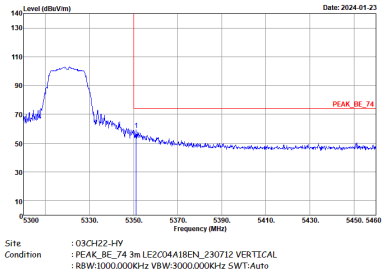
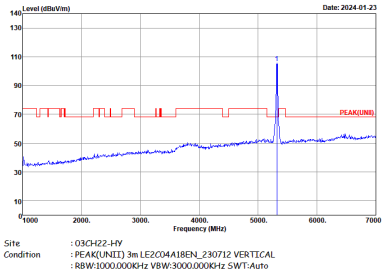
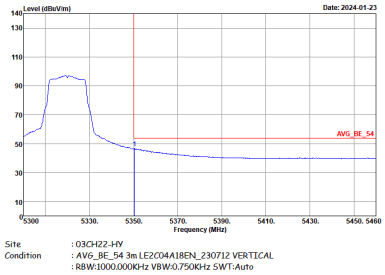
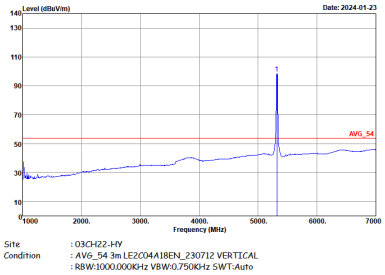
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

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

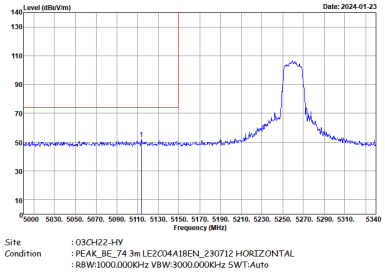
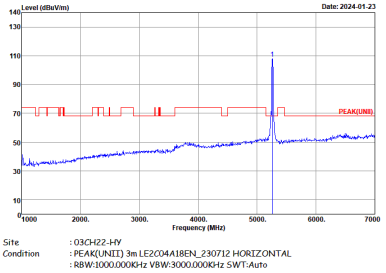
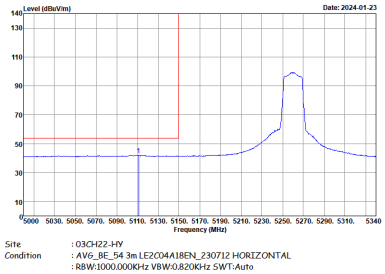
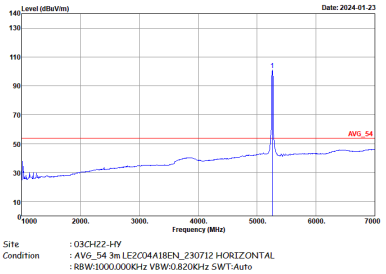
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

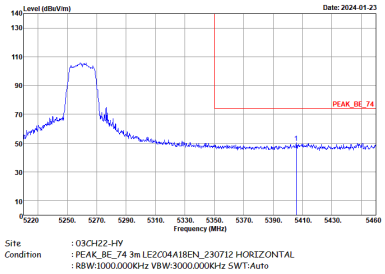
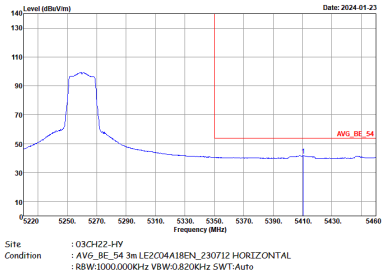
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

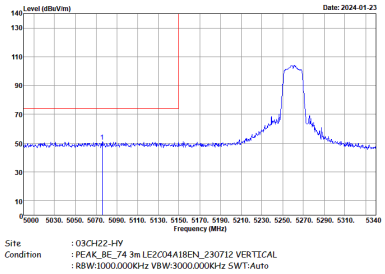
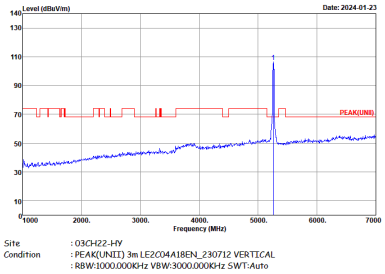
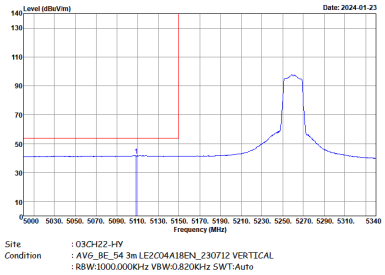
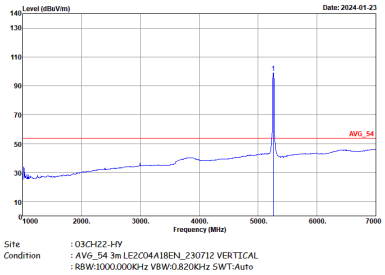
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

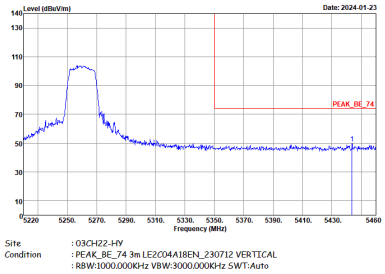
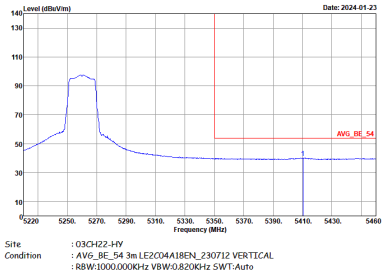
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

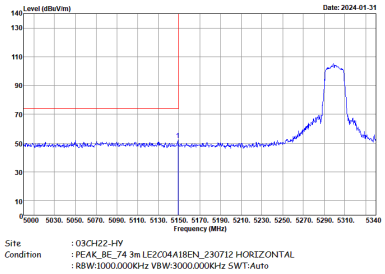
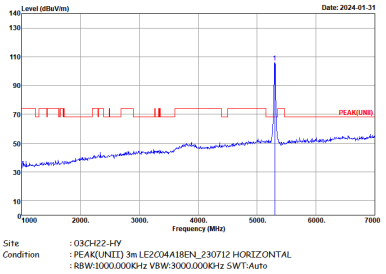
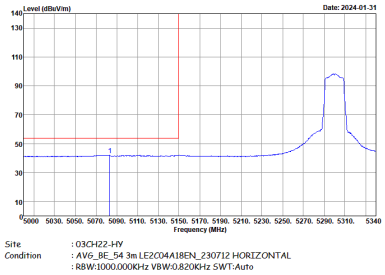
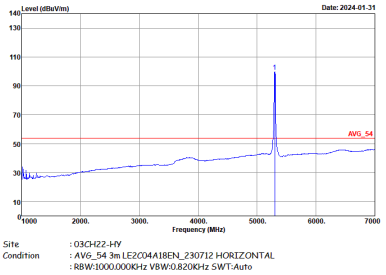
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

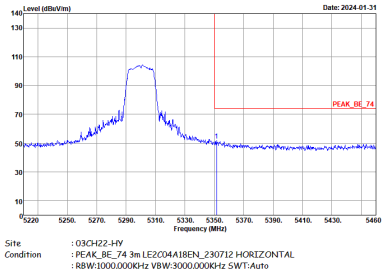
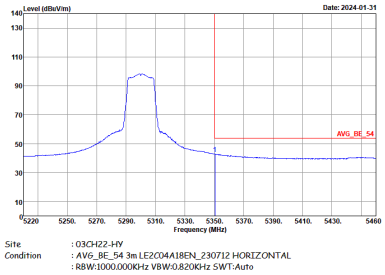
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
	Horizontal	Fundamental
Peak		
Avg.		

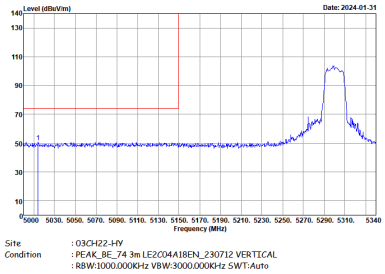
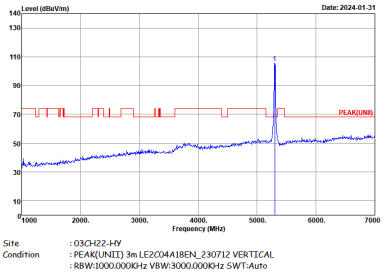
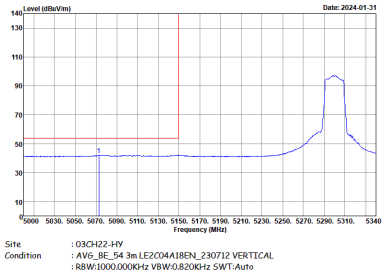
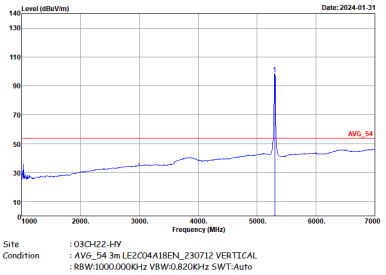
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

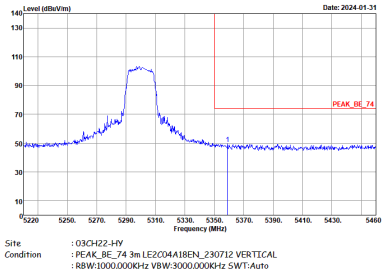
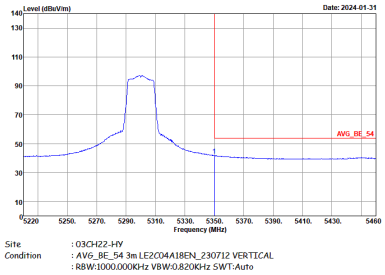
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

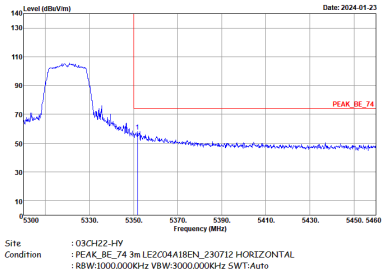
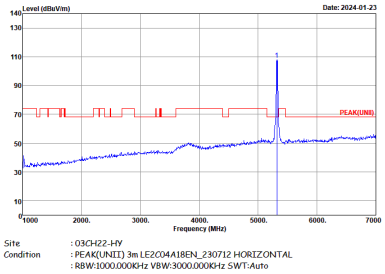
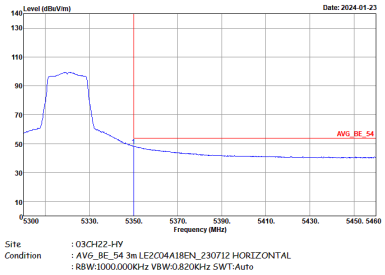
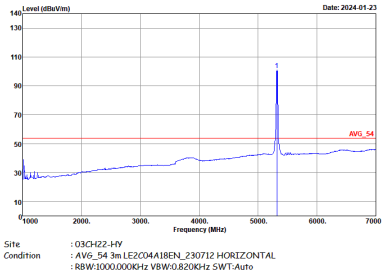
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

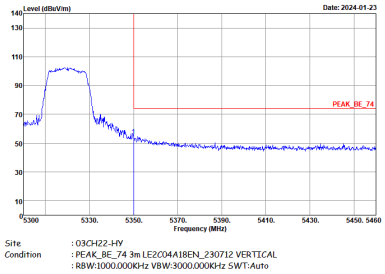
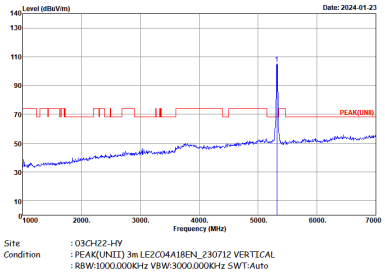
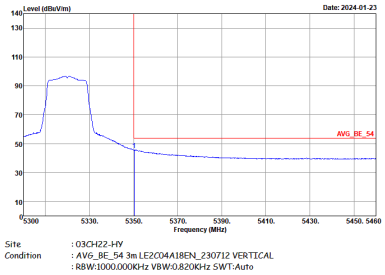
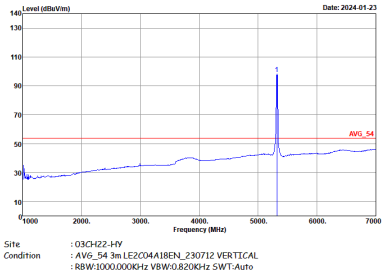
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

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

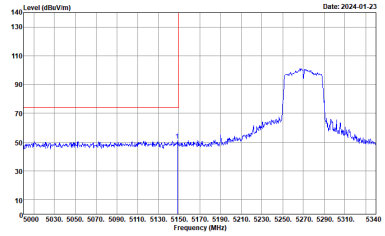
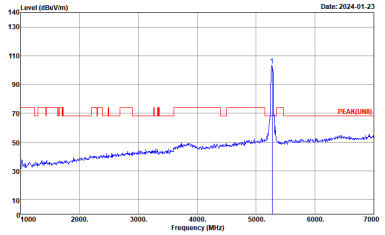
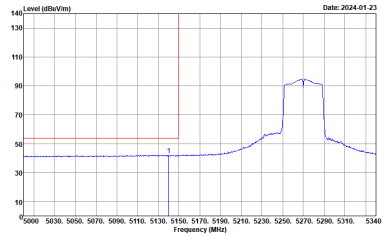
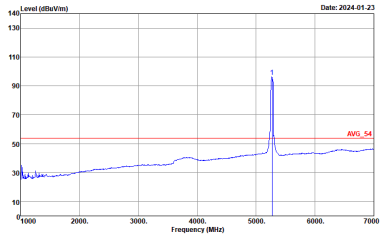
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

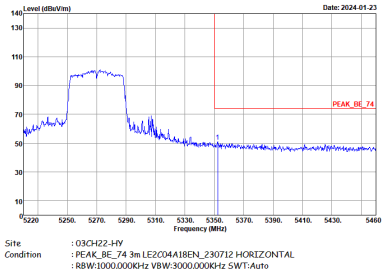
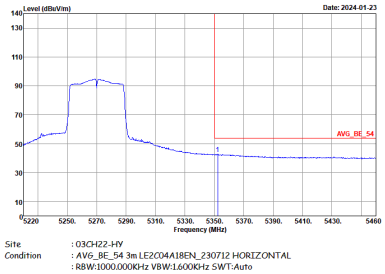
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

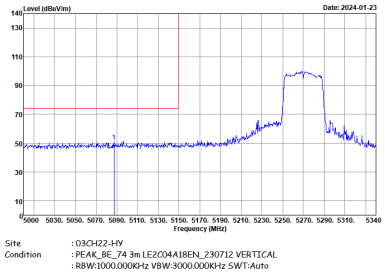
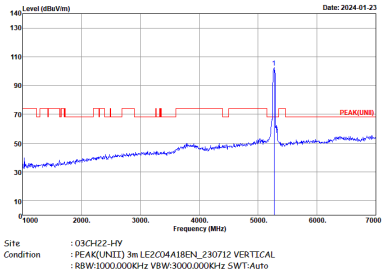
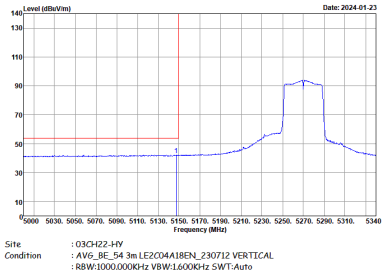
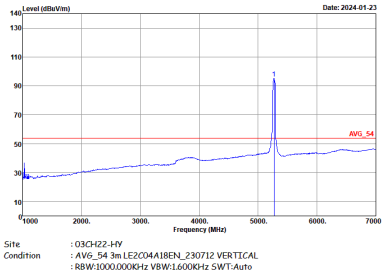
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

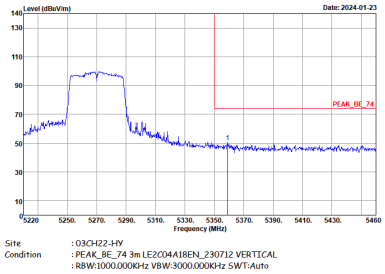
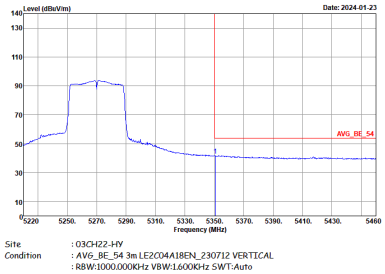
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.820KHz SWT:Auto

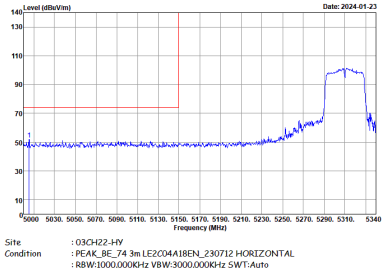
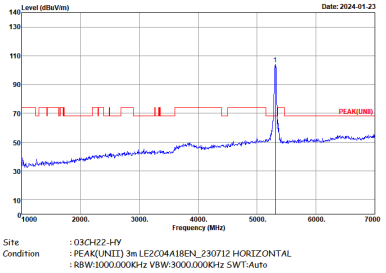
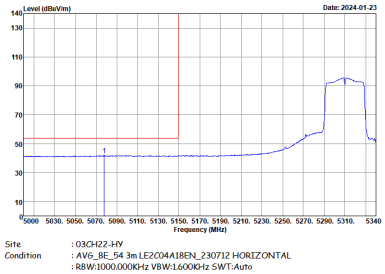
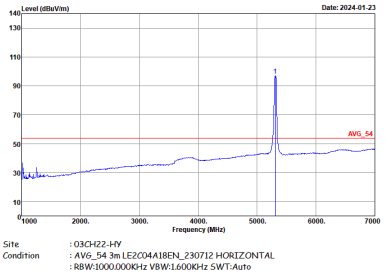
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

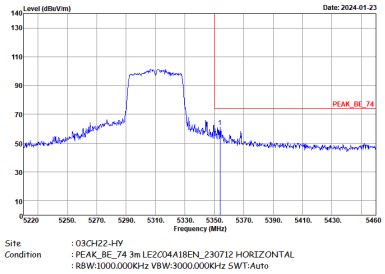
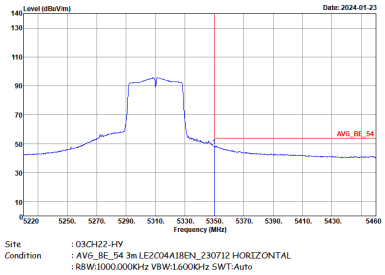
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
	Horizontal	Fundamental
Peak		
Avg.		

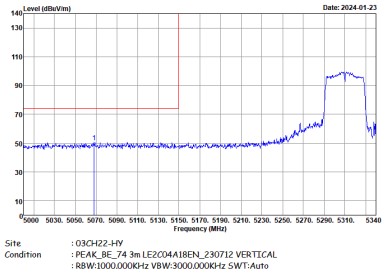
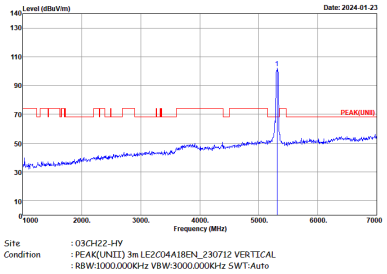
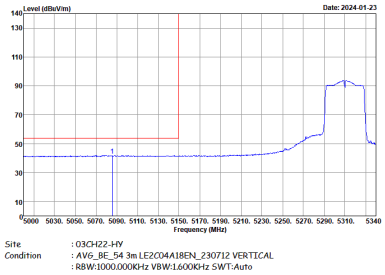
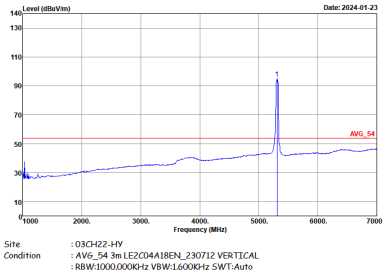
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

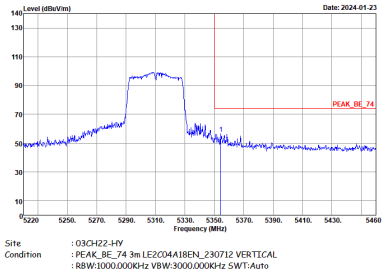
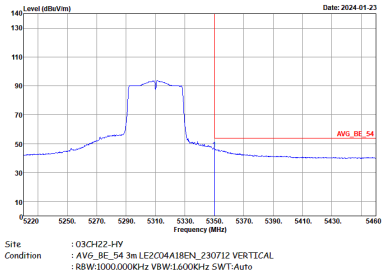
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
	Vertical	Vertical
Peak		
Avg.		

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

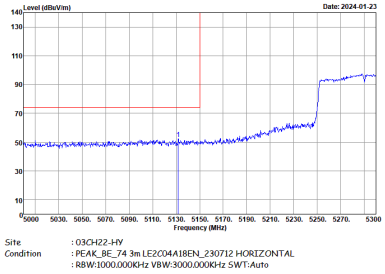
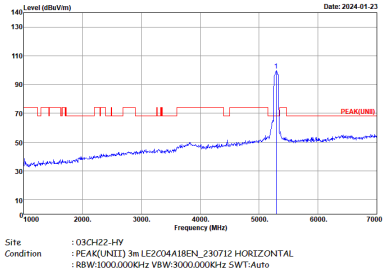
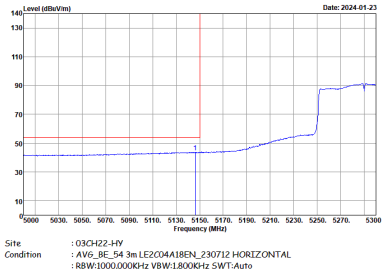
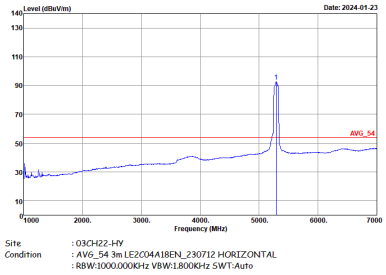
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE_74 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1.600KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:1.600KHz SWT:Auto

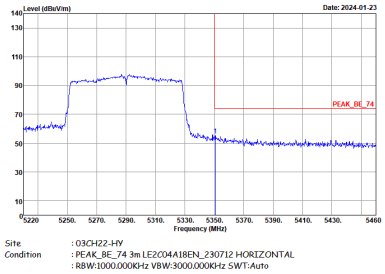
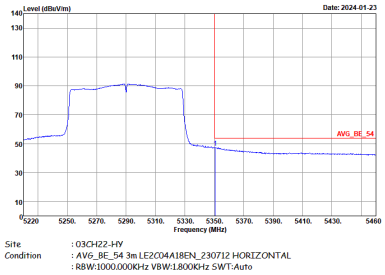
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

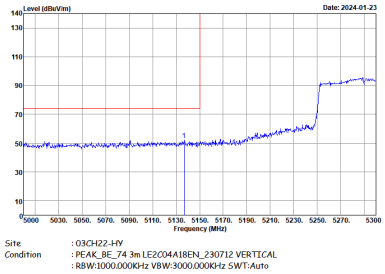
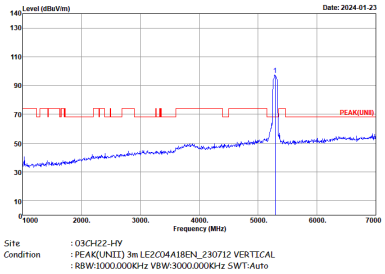
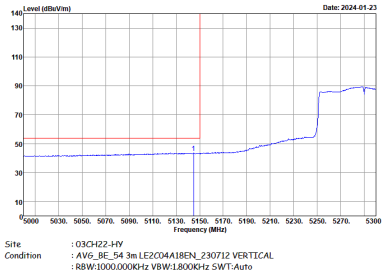
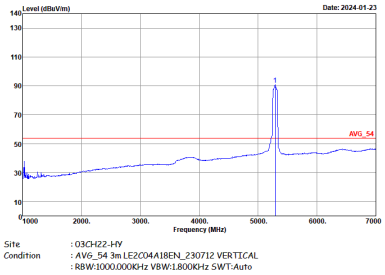
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
	Vertical	Fundamental
Peak		
Avg.		

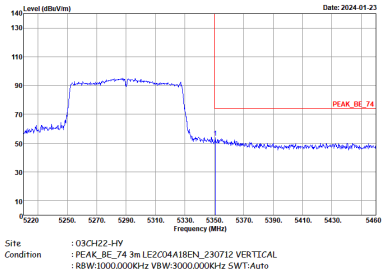
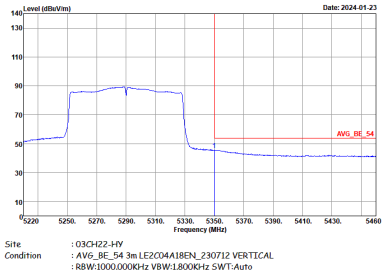
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

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	
	Horizontal	Fundamental
Peak		
Avg.		

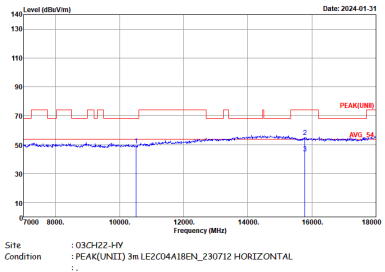
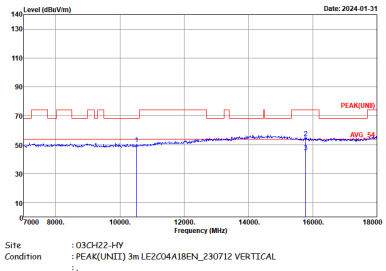
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

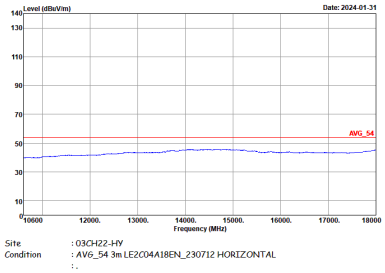
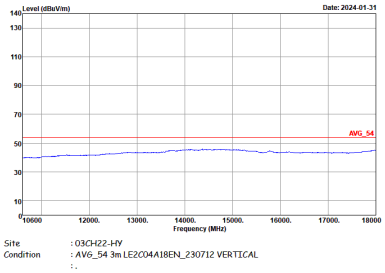
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
	Vertical	Fundamental
Peak		
Avg.		

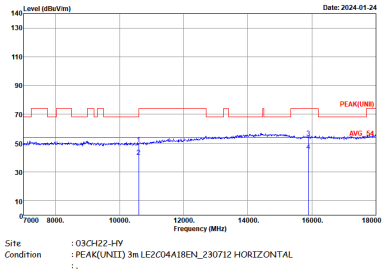
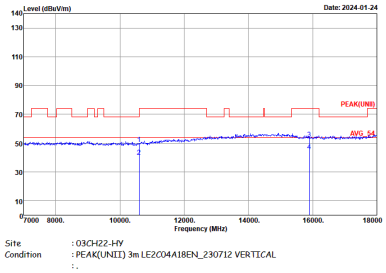
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

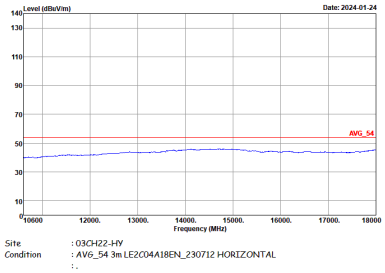
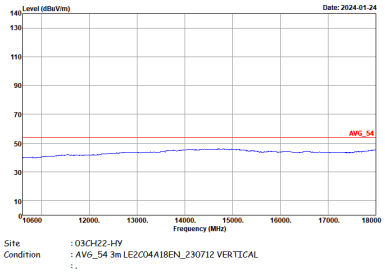
Band 2 - 5250~5350MHz

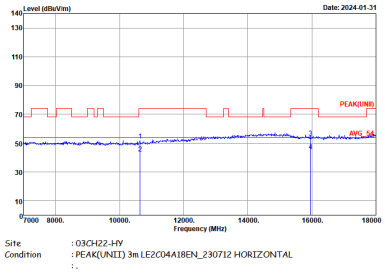
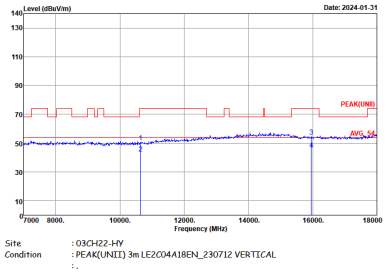
WIFI 802.11a (Harmonic @ 3m)

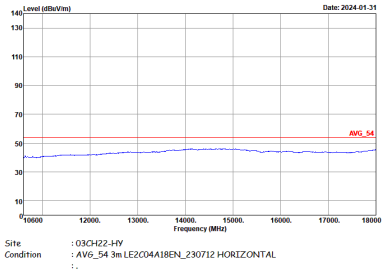
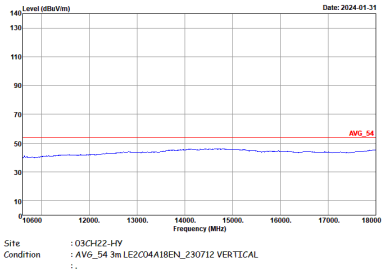
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

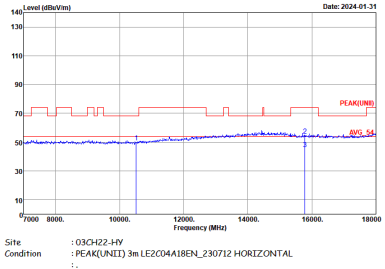
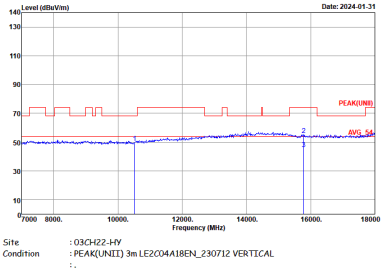
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
	Horizontal	Vertical
Peak Avg.		

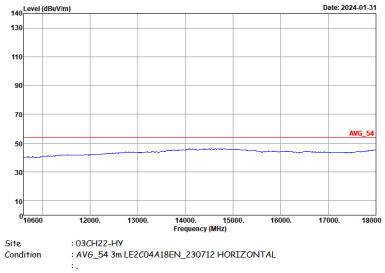
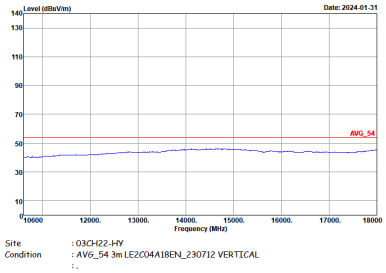
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

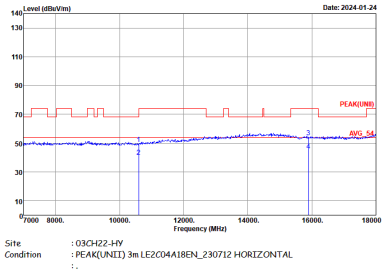
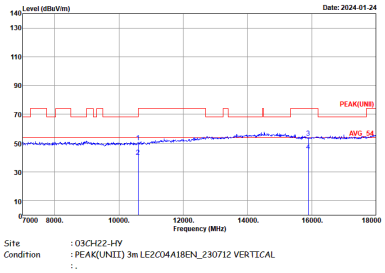
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
	Horizontal	Vertical
Peak Avg.		

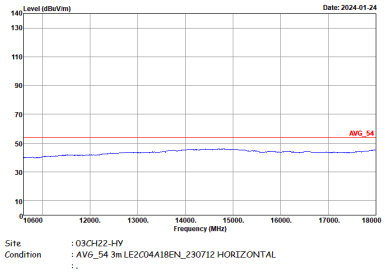
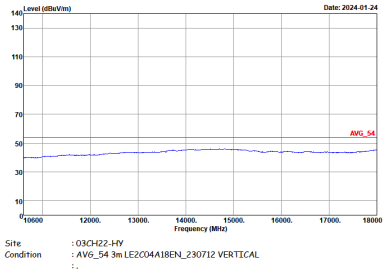
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

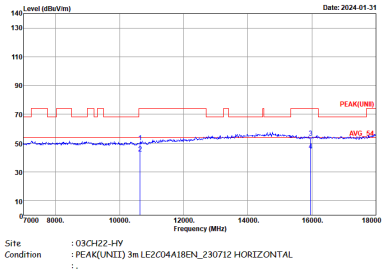
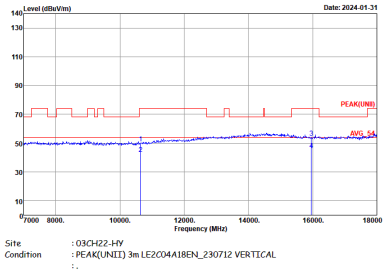
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

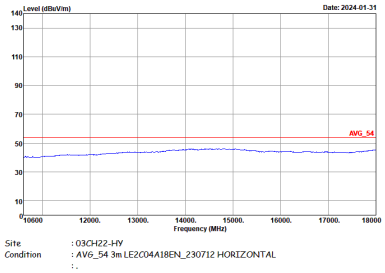
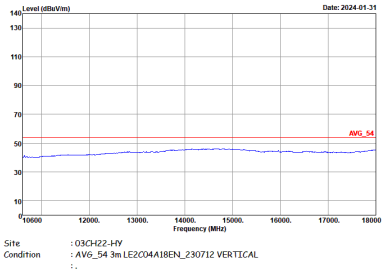
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
	Horizontal	Vertical
Peak Avg.		

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

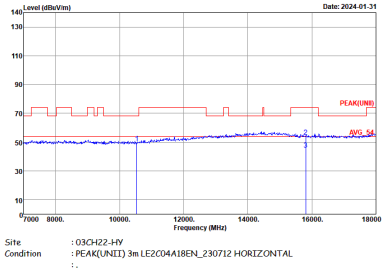
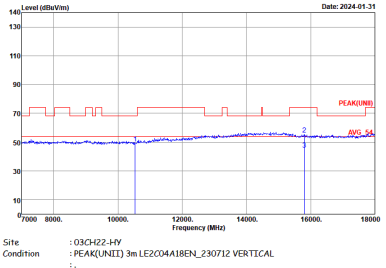
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
	Horizontal	Vertical
Peak Avg.		

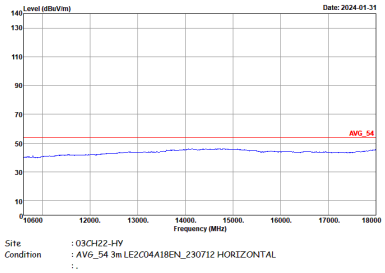
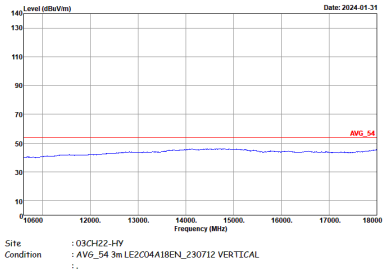
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

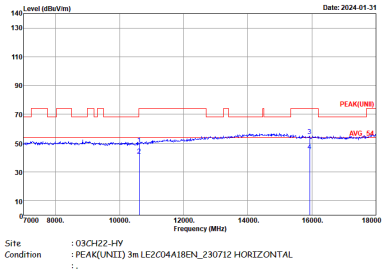
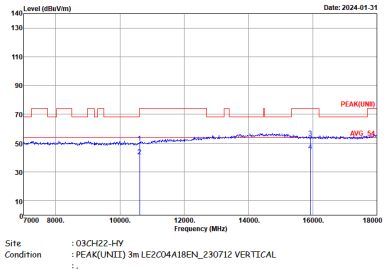
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
	Horizontal	Vertical
Peak Avg.		

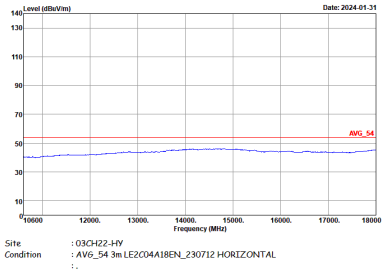
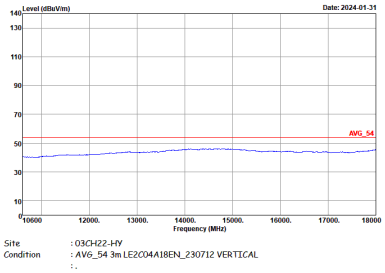
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

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

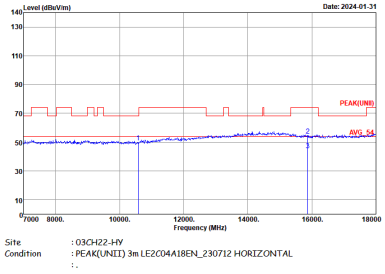
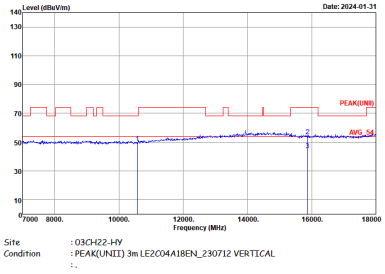
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
	Horizontal	Vertical
Peak Avg.		

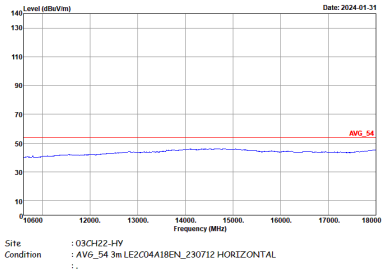
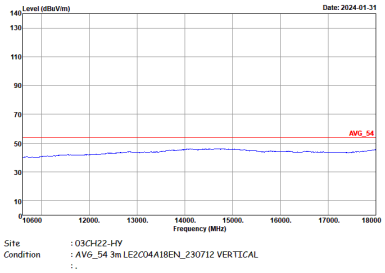
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
	Horizontal	Vertical
10.6G ~18G Avg.		

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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
	Horizontal	Vertical
10.6G ~18G Avg.		

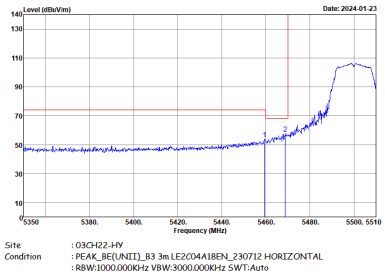
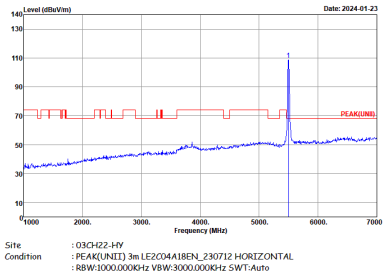
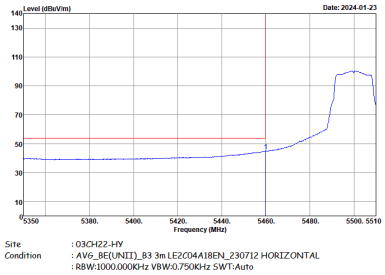
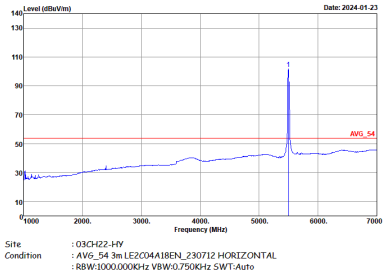
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

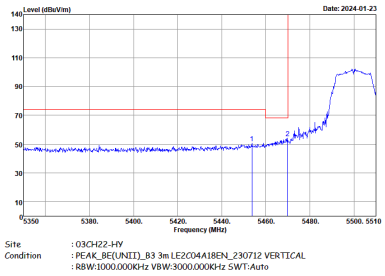
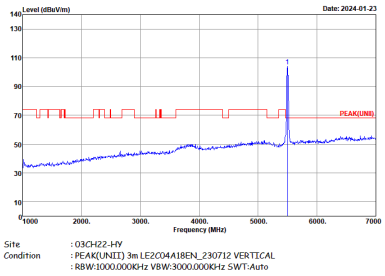
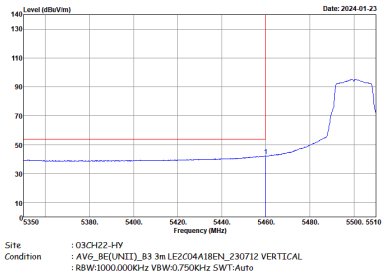
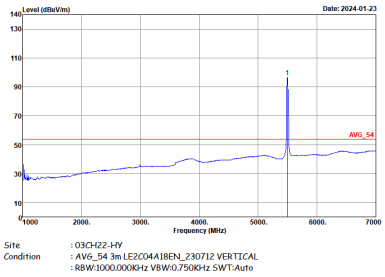
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
	Horizontal	Vertical
Peak Avg.		

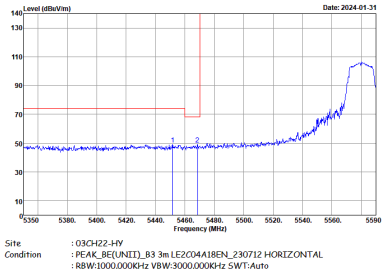
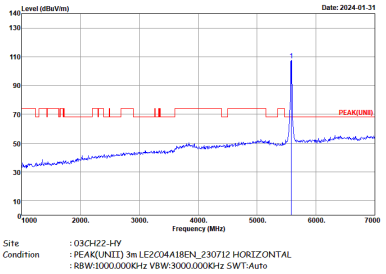
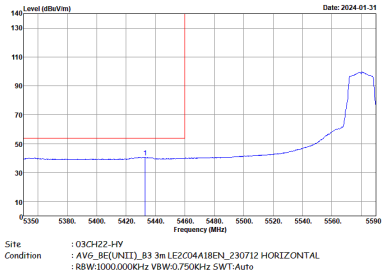
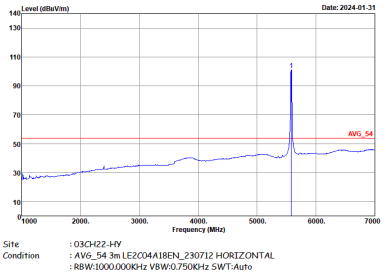
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
	Horizontal	Vertical
10.6G ~18G Avg.		

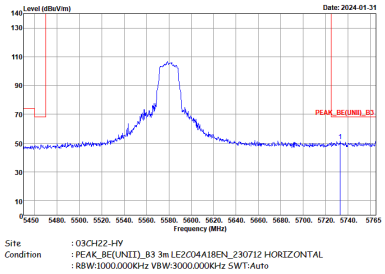
Band 3 - 5470~5725MHz

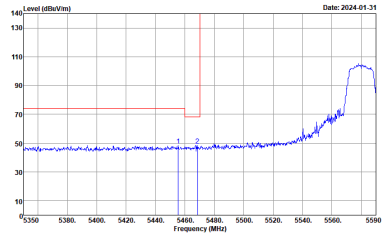
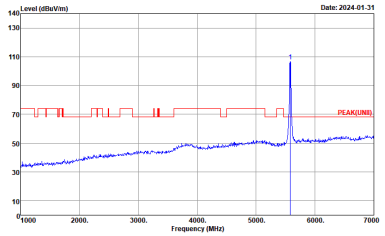
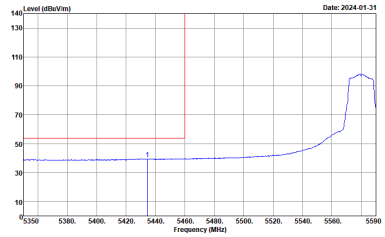
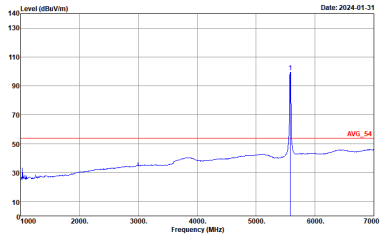
WIFI 802.11a (Band Edge @ 3m)

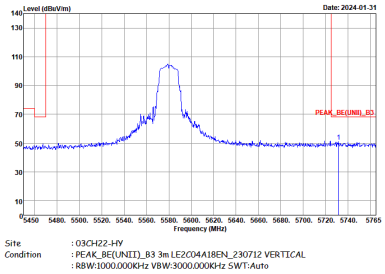
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
	Horizontal	Fundamental
Peak		
Avg.		

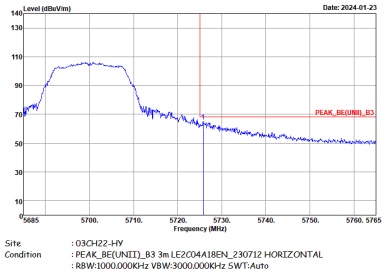
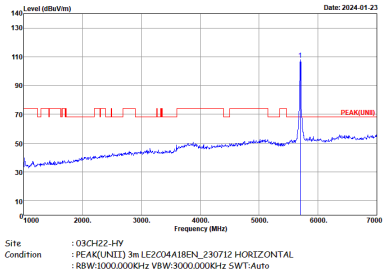
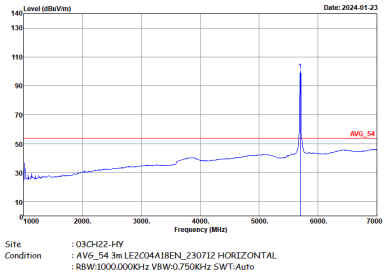
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
	Vertical	Fundamental
Peak		
Avg.		

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
	Horizontal	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE(UNII)_B3 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE(UNII)_B3 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 HORIZONTAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
	Vertical	Fundamental
Peak	 Site : 03CH22-HY Condition : PEAK_BE(UNII)_B3 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH22-HY Condition : PEAK(UNII) 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH22-HY Condition : AVG_BE(UNII)_B3 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto	 Site : 03CH22-HY Condition : AVG_54 3m LE2C04A18EN_230712 VERTICAL : RBW:1000.000KHz VBW:0.750KHz SWT:Auto

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

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

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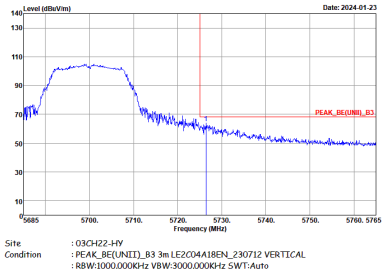
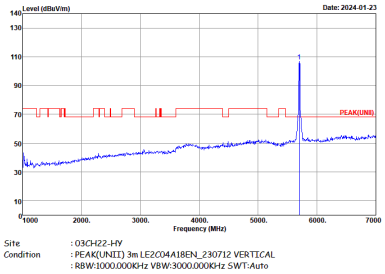
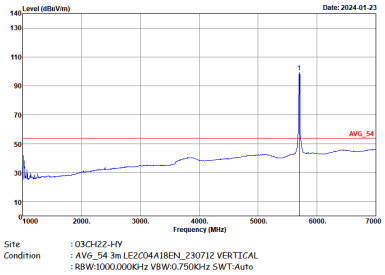
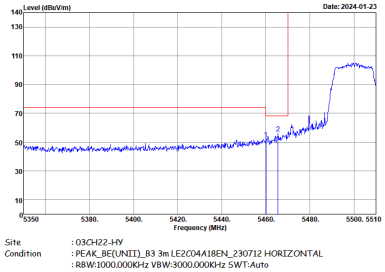
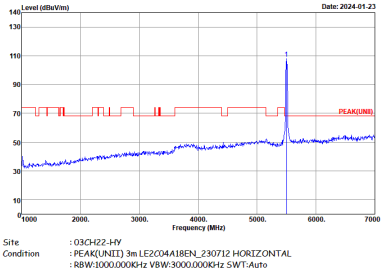
ANT	802.11a CH140 5700MHz	
	Vertical	Fundamental
Peak		
Avg.	Left blank	

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	
	Horizontal	Fundamental
Peak		
Avg.