



FCC RADIO TEST REPORT

FCC ID : 2A4DH-3284
Equipment : Digital Media Receiver
Model Name : CL32P4
Applicant : Amazon.com Services LLC
410 Terry Avenue N, Seattle, WA 98109-5210 United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on Dec. 18, 2023 and testing was performed from Dec. 22, 2023 to Feb. 19, 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

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Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Product Feature of Equipment Under Test.....	5
1.2 Product Specification of Equipment Under Test.....	5
1.3 Modification of EUT	8
1.4 Testing Location	9
1.5 Applicable Standards.....	9
2 Test Configuration of Equipment Under Test	10
2.1 Carrier Frequency and Channel	10
2.2 Test Mode.....	12
2.3 Connection Diagram of Test System.....	14
2.4 Support Unit used in test configuration and system	15
2.5 EUT Operation Test Setup	15
2.6 Measurement Results Explanation Example.....	15
3 Test Result	16
3.1 26dB & 99% Occupied Bandwidth Measurement	16
3.2 Maximum Conducted Output Power Measurement	17
3.3 Power Spectral Density Measurement	19
3.4 Unwanted Emissions Measurement.....	21
3.5 AC Conducted Emission Measurement.....	26
3.6 Automatically Discontinue Transmission	28
3.7 Antenna Requirements.....	30
4 List of Measuring Equipment.....	31
5 Measurement Uncertainty	33
Appendix A. Conducted Test Results	
Appendix B. AC Conducted Emission Test Result	
Appendix C. Radiated Spurious Emission	
Appendix D. Radiated Spurious Emission Plots	
Appendix E. Duty Cycle Plots	



History of this test report

Report No.	Version	Description	Issue Date
FR362718-01D	01	Initial issue of report	Mar. 27, 2024
FR362718-01D	02	Revise Test Mode and Support Unit used in test configuration and system. This report is an updated version, replacing the report issued on Mar. 27, 2024.	Apr. 15, 2024
FR362718-01D	03	Revise List of Measuring Equipment. This report is an updated version, replacing the report issued on Apr. 15, 2024.	May 02, 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	-
3.5	15.207	AC Conducted Emission	Pass	-
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/manufacturee 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: Alan Liu

Report Producer: Mila Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
Equipment	Digital Media Receiver
Model Name	CL32P4
FCC ID	2A4DH-3284
EUT supports Radios application	WLAN 802.11b/g/n HT20 WLAN 802.11a/n HT20/HT40 WLAN 802.11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE

1.2 Product Specification of Equipment Under Test

Product Specification is subject to this standard	
Tx/Rx Frequency Range	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5720 MHz
Maximum Average Output Power to antenna	MIMO <Ant. 0+1>: <5180 MHz ~ 5240 MHz> 802.11a: 18.28 dBm / 0.0673 W 802.11n HT20: 18.31 dBm / 0.0678 W 802.11n HT40: 18.38 dBm / 0.0689 W 802.11ac VHT20: 18.21 dBm / 0.0662 W 802.11ac VHT40: 18.32 dBm / 0.0679 W 802.11ac VHT80: 15.23 dBm / 0.0333 W <5260 MHz ~ 5320 MHz> 802.11a: 18.51 dBm / 0.0710 W 802.11n HT20: 18.45 dBm / 0.0700 W 802.11n HT40: 18.54 dBm / 0.0714 W 802.11ac VHT20: 18.35 dBm / 0.0684 W 802.11ac VHT40: 18.44 dBm / 0.0698 W 802.11ac VHT80: 15.98 dBm / 0.0396 W <5500 MHz ~ 5720 MHz> 802.11a: 18.96 dBm / 0.0787 W 802.11n HT20: 18.82 dBm / 0.0762 W 802.11n HT40: 18.82 dBm / 0.0762 W 802.11ac VHT20: 18.72 dBm / 0.0745 W 802.11ac VHT40: 18.72 dBm / 0.0745 W 802.11ac VHT80: 18.55 dBm / 0.0716 W

Product Specification is subject to this standard			
99% Occupied Bandwidth	MIMO <Ant. 0>: 802.11a: 16.83 MHz 802.11n HT20: 17.83 MHz 802.11n HT40: 36.56 MHz 802.11ac VHT80: 75.52 MHz MIMO <Ant. 1>: 802.11a: 16.68 MHz 802.11n HT20: 17.68 MHz 802.11n HT40: 36.36 MHz 802.11ac VHT80: 75.40 MHz		
Antenna Gain	<5180 MHz ~ 5240 MHz> <Ant. 0>: Printed PCB Loop Antenna with gain 2.00 dBi <Ant. 1>: Printed PCB Loop Antenna with gain 2.50 dBi <5260 MHz ~ 5320 MHz> <Ant. 0>: Printed PCB Loop Antenna with gain 2.00 dBi <Ant. 1>: Printed PCB Loop Antenna with gain 2.80 dBi <5500 MHz ~ 5720 MHz> <Ant. 0>: Printed PCB Loop Antenna with gain 2.00 dBi <Ant. 1>: Printed PCB Loop Antenna with gain 3.50 dBi		
Type of Modulation	802.11a/n: OFDM (BPSK/QPSK/16QAM/64QAM) 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)		
Antenna Function Description		Ant. 0	Ant. 1
	802.11 a/n/ac MIMO	V	V

Remark:

1. MIMO Ant. 0+1 Directional Gain is a calculated result from MIMO Ant. 0 and MIMO Ant. 1. The formula used in calculation is documented in section 1.2.1.
2. Power of MIMO Ant. 0+ Ant. 1 is a calculated result from sum of the power MIMO Ant. 0 and MIMO Ant. 1.

1.2.1 Antenna Directional Gain

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

Array Gain = $10 \log(N_{ANT}/N_{SS})$ dB.

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

where

Each antenna is driven by no more than one spatial stream;

N_{SS} = the number of independent spatial streams of data;

N_{ANT} = the total number of antennas

$g_{j,k} = 10^{G_k/20}$ if the k th antenna is being fed by spatial stream j , or zero if it is not;
 G_k is the gain in dBi of the k th antenna.

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

Directional gain = $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

Where $G_1, G_2, \dots, G_N$ denote single antenna gain.

The directional gain "DG" is calculated as following table.

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 0	Ant 1	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band I	2.00	2.50	2.50	5.26	0.00	0.00
Band II	2.00	2.80	2.80	5.42	0.00	0.00
Band III	2.00	3.50	3.50	5.79	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT1} = 2.0\text{dBi}$; $G_{ANT2} = 3.5\text{dBi}$

Directional gain of power measurement = $\max(2.0, 3.5) + 0 = 3.5\text{ dBi}$

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{\frac{2.00\text{ dBi}}{20}} + 10^{\frac{3.50\text{ dBi}}{20}} \right]^2 \right\} / 2$$

$$= 5.79\text{ dBi}$$

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)

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

1.3 Modification of EUT

No modifications made to the EUT during the testing.

1.4 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, DF02-HY (TAF Code: 1190)
Remark	The Conducted Emission and Automatically Discontinue Transmission 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, 03CH11-HY

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

FCC designation No.: TW1190 and TW3786

1.5 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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



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

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

Note:

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

2.2 Test Mode

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

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

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

MIMO Mode

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + USB Cable 1 (Charging from Adapter (FANA7R)) + Without Extender + Video mode
Remark: For Radiated Test Cases, the tests were performed with USB Cable 1.	

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

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

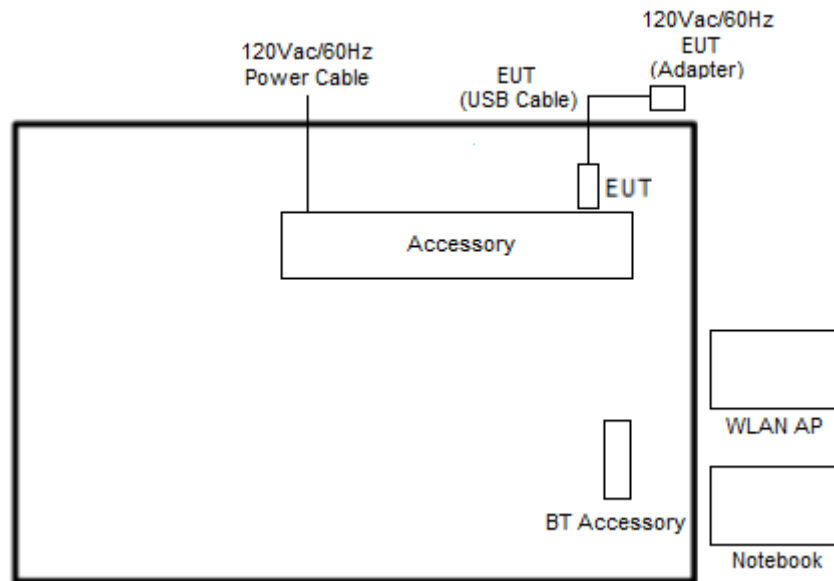
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT40	802.11n HT40	802.11n HT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134
Straddle		-	-	142

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

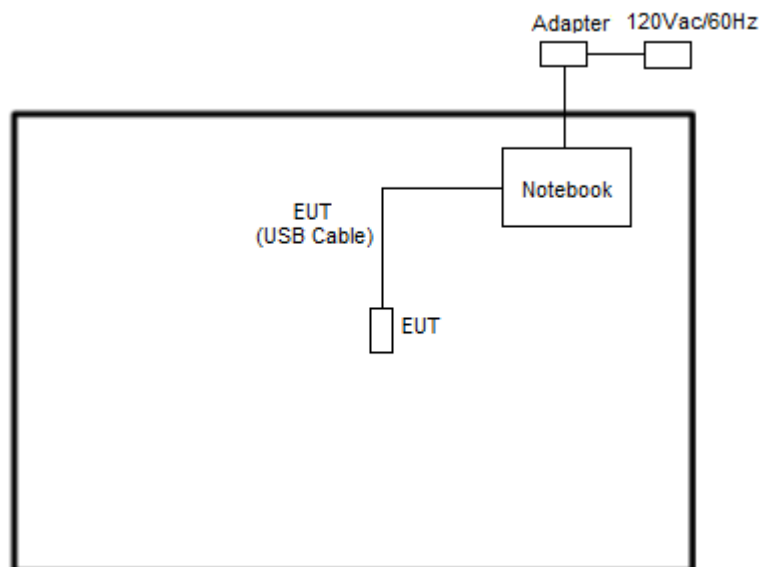
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8m
2.	Accessory	Sharp	LC-50UA6800T	FCC DoC	N/A	Unshielded, 1.8m
3.	Notebook	DELL	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	BT Accessory	Amazon	PA38CA	2A4DH-3832	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Compliance 1.0.1.25” 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.

$$\begin{aligned}
 \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\
 &= 4.2 + 10 = 14.2 \text{ (dB)}
 \end{aligned}$$

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

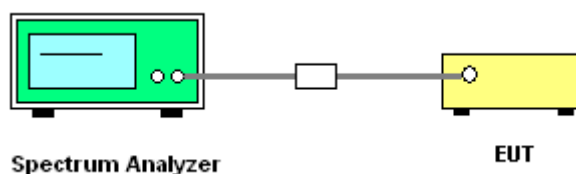
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) $\geq 3 * RBW$.
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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz.

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

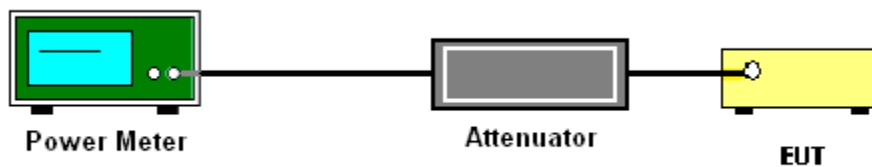
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

Method SA-2

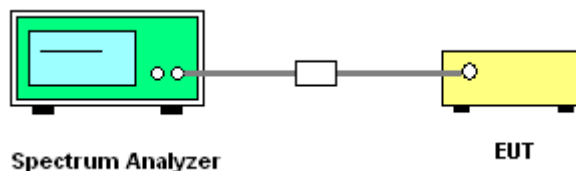
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6$ dB if the duty cycle is 25 percent.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
 3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

(i) Sections 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.

(ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

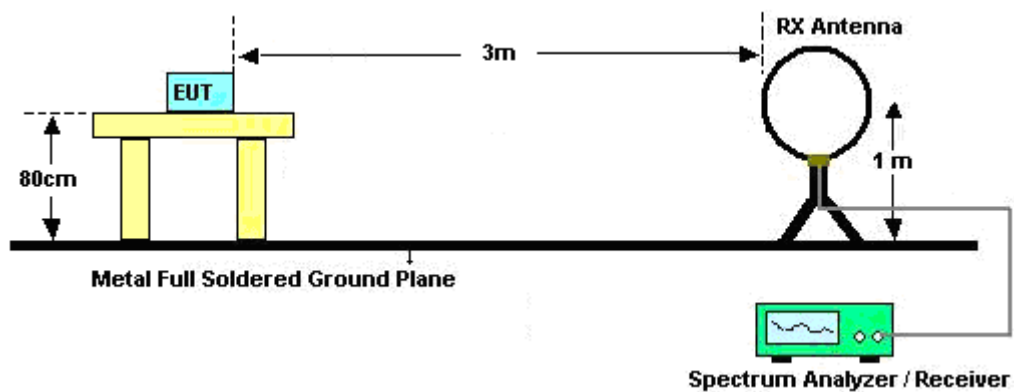
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 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.

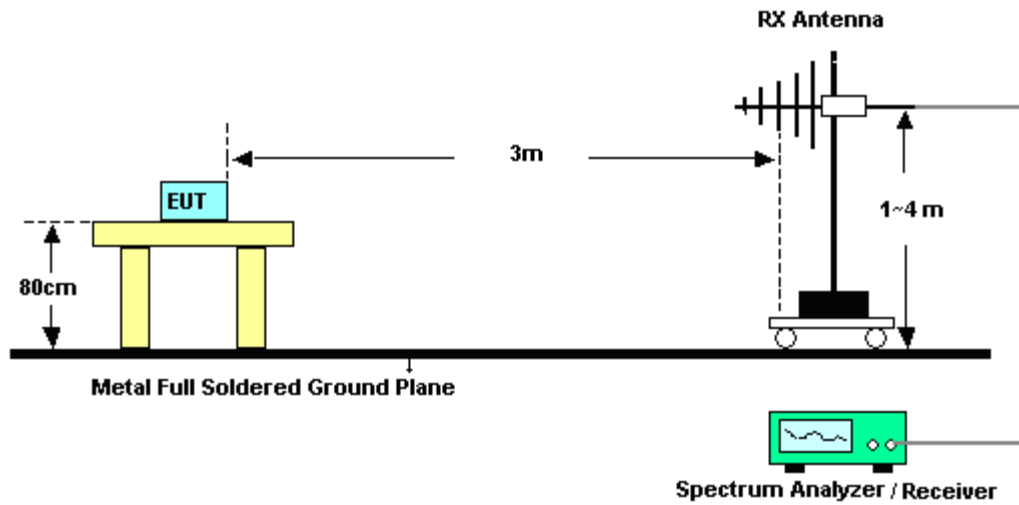
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

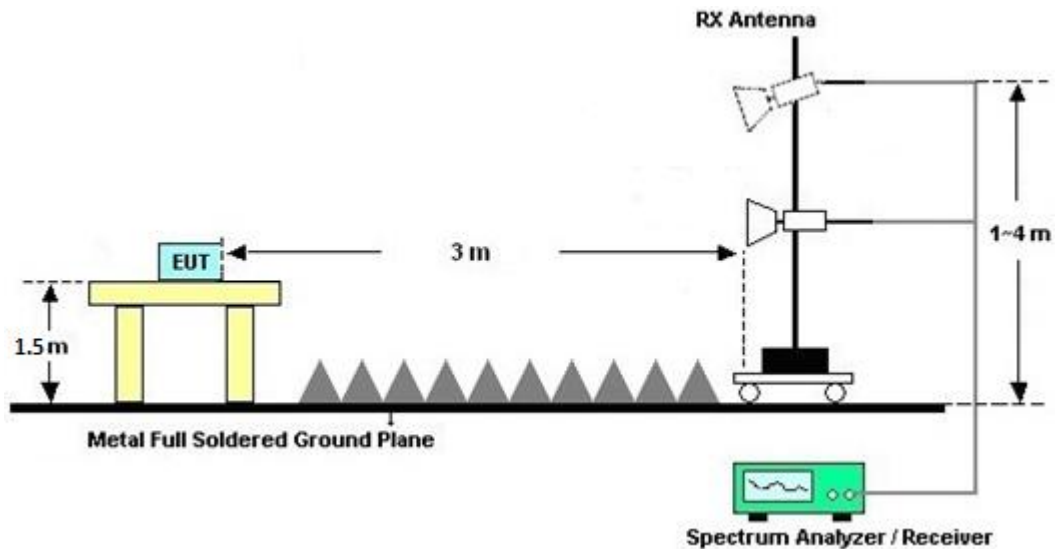
For radiated emissions below 30MHz



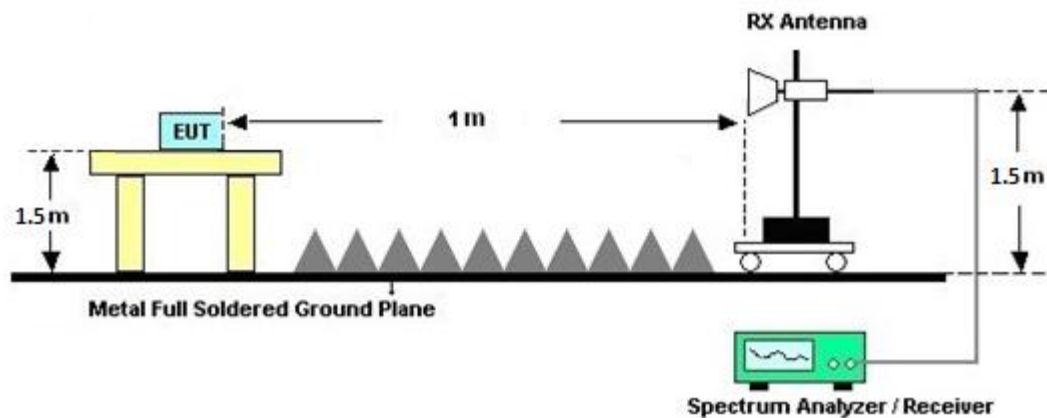
For radiated emissions from 30MHz to 1GHz



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 (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

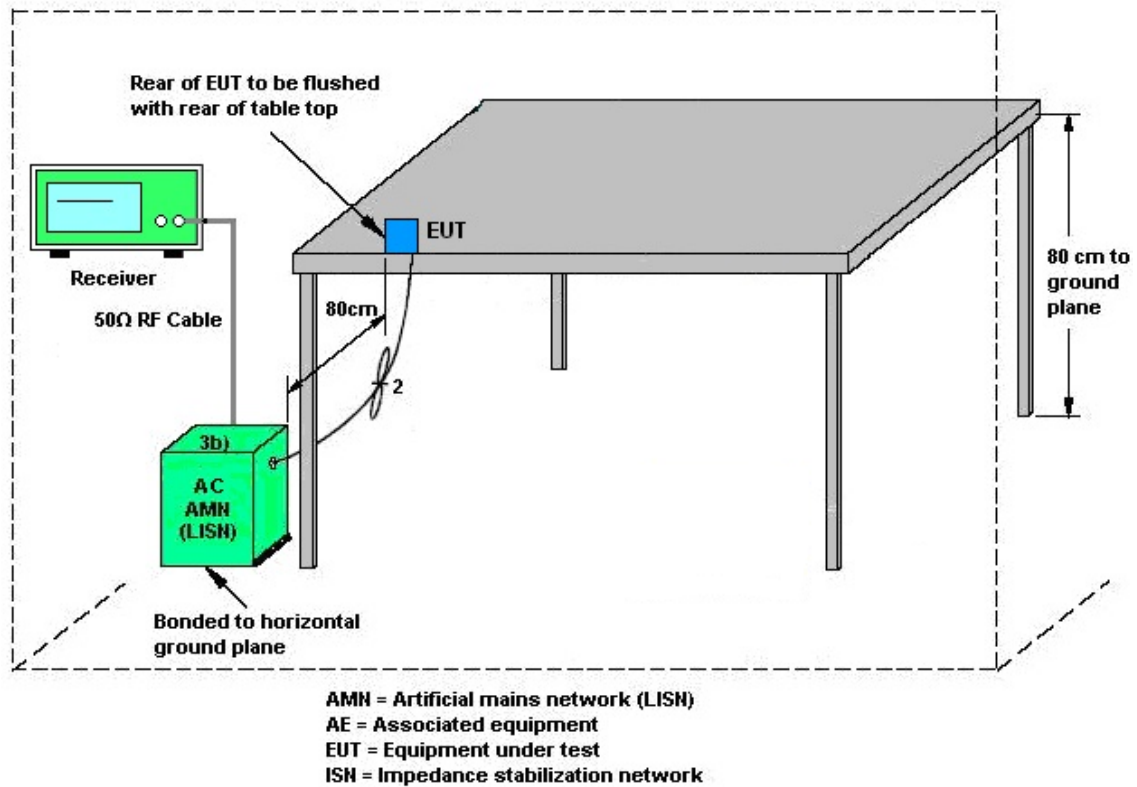
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Automatically Discontinue Transmission

3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

3.6.3 Test Result of Automatically Discontinue Transmission

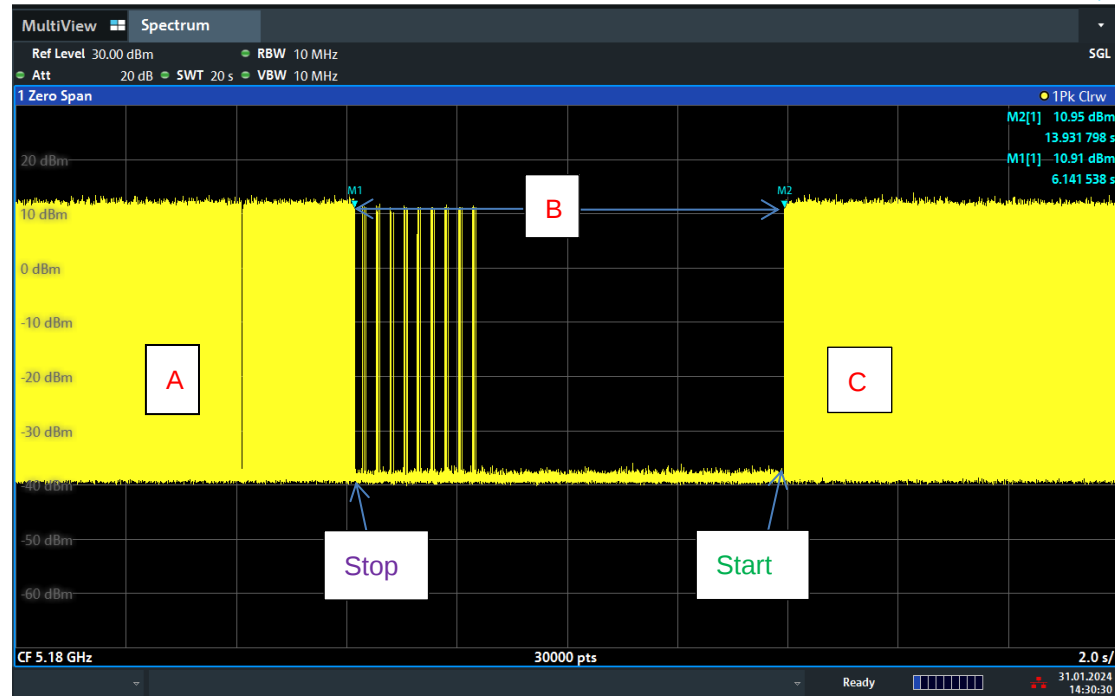
EUT is verified this characteristic during the function check of normal sample associated with an access point:

- A. Information start: make EUT supply information to the access point.
- B. Information stop: stop supplying information to the access point.

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving.

- C. Information start: make EUT supply information to the access point again.

The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

5180MHz


14:30:30 31.01.2024

Note : The control / signalling information during the period B is precluded.



3.7 Antenna Requirements

3.7.1 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.

3.7.2 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
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 19, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Feb. 19, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Feb. 19, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 08, 2023	Feb. 19, 2024	Dec. 07, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Feb. 19, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Feb. 19, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 28, 2023	Feb. 19, 2024	Jul. 27, 2024	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Feb. 19, 2024	Dec. 27, 2024	Conduction (CO05-HY)
Bilog Antenna	TESEQ	CBL 6111D & N-6-06	35414 & AT-N0602	30MHz~1GHz	Oct. 07, 2023	Dec. 22, 2023~Feb. 05, 2024	Oct. 06, 2024	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Dec. 22, 2023~Feb. 05, 2024	Sep. 11, 2024	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-01620	1GHz~18GHz	Aug. 17, 2023	Dec. 22, 2023~Feb. 05, 2024	Aug. 16, 2024	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jul. 10, 2023	Dec. 22, 2023~Feb. 05, 2024	Jul. 09, 2024	Radiation (03CH11-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Dec. 08, 2023	Dec. 22, 2023~Feb. 05, 2024	Dec. 07, 2024	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-10M-7000-MR	EC1900245	10MHz-7GHz	Jan. 10, 2023	Dec. 22, 2023~Jan. 08, 2024	Jan. 09, 2024	Radiation (03CH11-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-10M-7000-MR	EC1900245	10MHz-7GHz	Jan. 09, 2024	Jan. 09, 2024~Feb. 05, 2024	Jan. 08, 2025	Radiation (03CH11-HY)
Preamplifier	Jet-Power	JPA0118-55-303	1710001800055007	1GHz~18GHz	Jun. 14, 2023	Dec. 22, 2023~Feb. 05, 2024	Jun. 13, 2024	Radiation (03CH11-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	Jun. 27, 2023	Dec. 22, 2023~Feb. 05, 2024	Jun. 26, 2024	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY54200486	10Hz~44GHz	Oct. 05, 2023	Dec. 22, 2023~Feb. 05, 2024	Oct. 04, 2024	Radiation (03CH11-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	20MHz~8.4GHz	Aug. 02, 2023	Dec. 22, 2023~Feb. 05, 2024	Aug. 01, 2024	Radiation (03CH11-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Dec. 22, 2023~Feb. 05, 2024	N/A	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Dec. 22, 2023~Feb. 05, 2024	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Dec. 22, 2023~Feb. 05, 2024	N/A	Radiation (03CH11-HY)
Software	Audix	E3 6.2009-8-24	RK-001053	N/A	N/A	Dec. 22, 2023~Feb. 05, 2024	N/A	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY1595/2	30MHz~40GHz	Mar. 07, 2023	Dec. 22, 2023~Feb. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	MY2859/2	30MHz~40GHz	Mar. 07, 2023	Dec. 22, 2023~Feb. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 07, 2023	Dec. 22, 2023~Feb. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	30M~40G	Mar. 07, 2023	Dec. 22, 2023~Feb. 05, 2024	Mar. 06, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN11	1.53G Low Pass	Sep. 11, 2023	Dec. 22, 2023~Feb. 05, 2024	Sep. 10, 2024	Radiation (03CH11-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40SS	SN3	6.75GHz High Pass Filter	Sep. 11, 2023	Dec. 22, 2023~Feb. 05, 2024	Sep. 10, 2024	Radiation (03CH11-HY)



Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303B	TP140325	N/A	Dec. 08, 2023	Dec. 22, 2023~ Feb. 05, 2024	Dec. 07, 2024	Radiation (03CH11-HY)
Attenuator	HONOVA	5910 SMA-50-005	0028	N/A	Jul. 10, 2023	Dec. 22, 2023~ Feb. 05, 2024	Jul. 09, 2024	Radiation (03CH11-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jan. 05, 2024~ Feb. 02, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 37 (NO:167)	10MHz~6GHz	Dec. 01, 2023	Jan. 05, 2024~ Feb. 02, 2024	Nov. 30, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 35 (NO:109)	10MHz~6GHz	Jan. 11, 2023	Jan. 05, 2024~ Jan. 09, 2024	Jan. 10, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 35 (NO:109)	10MHz~6GHz	Jan. 15, 2024	Feb. 02, 2024	Jan. 14, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101397	10Hz ~ 40GHz	Aug. 31, 2023	Jan. 05, 2024~ Feb. 02, 2024	Aug. 30, 2024	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSV3013	101550	10Hz~13.6GHz	Jan. 22, 2024	Jan. 31, 2024	Jan. 21, 2025	Conducted (DF02-HY)
Switch Control Mainframe	E-Instument	ETF-1405-0	EC1900067 (BOX7)	N/A	Jul. 10, 2023	Jan. 05, 2024~ Feb. 02, 2024	Jul. 09, 2024	Conducted (TH05-HY)

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Ching Chen and Kevin Xiao	Temperature:	21~25	°C
Test Date:	2024/1/5~2024/2/2	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 MIMO														
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)			Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	16.68	16.63	20.24	20.27	-		22.21		-	
11a	6Mbps	2	44	5220	16.73	16.58	20.31	20.44	-		22.20			
11a	6Mbps	2	48	5240	16.78	16.63	20.23	20.10	-		22.21			
HT20	MCS0	2	36	5180	17.68	17.58	20.49	20.38	-		22.45			
HT20	MCS0	2	44	5220	17.73	17.68	20.46	20.45	-		22.48			
HT20	MCS0	2	48	5240	17.68	17.68	20.43	20.44	-		22.48			
HT40	MCS0	2	38	5190	36.46	36.36	41.68	41.50	-		23.01			
HT40	MCS0	2	46	5230	36.46	36.36	41.60	41.54	-		23.01			
VHT80	MCS0	2	42	5210	75.28	75.16	81.47	80.42	-		23.01			

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)			Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	15.88	14.55	18.28	24.00		2.50			Pass
11a	6Mbps	2	44	5220	15.50	14.54	18.06	24.00		2.50			Pass
11a	6Mbps	2	48	5240	15.50	14.57	18.07	24.00		2.50			Pass
HT20	MCS0	2	36	5180	15.98	14.50	18.31	24.00		2.50			Pass
HT20	MCS0	2	44	5220	15.62	14.50	18.11	24.00		2.50			Pass
HT20	MCS0	2	48	5240	15.69	14.50	18.15	24.00		2.50			Pass
HT40	MCS0	2	38	5190	16.10	14.50	18.38	24.00		2.50			Pass
HT40	MCS0	2	46	5230	15.74	14.40	18.13	24.00		2.50			Pass
VHT20	MCS0	2	36	5180	15.88	14.40	18.21	24.00		2.50			Pass
VHT20	MCS0	2	44	5220	15.52	14.40	18.01	24.00		2.50			Pass
VHT20	MCS0	2	48	5240	15.59	14.40	18.05	24.00		2.50			Pass
VHT40	MCS0	2	38	5190	16.00	14.50	18.32	24.00		2.50			Pass
VHT40	MCS0	2	46	5230	15.64	14.30	18.03	24.00		2.50			Pass
VHT80	MCS0	2	42	5210	12.80	11.56	15.23	24.00		2.50			Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 MIMO													
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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	36	5180	-		6.93	11.00	5.26	-		Pass	
11a	6Mbps	2	44	5220			6.93	11.00	5.26			Pass	
11a	6Mbps	2	48	5240			7.15	11.00	5.26			Pass	
HT20	MCS0	2	36	5180			7.03	11.00	5.26			Pass	
HT20	MCS0	2	44	5220			6.63	11.00	5.26			Pass	
HT20	MCS0	2	48	5240			6.82	11.00	5.26			Pass	
HT40	MCS0	2	38	5190			3.89	11.00	5.26			Pass	
HT40	MCS0	2	46	5230			3.72	11.00	5.26			Pass	
VHT80	MCS0	2	42	5210			-2.13	11.00	5.26			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	52	5260	16.73	16.68	20.27	20.42	23.22		29.22		23.98		-
11a	6Mbps	2	60	5300	16.73	16.63	20.42	20.46	23.21		29.21		23.98		
11a	6Mbps	2	64	5320	16.68	16.53	20.26	20.14	23.18		29.18		23.98		
HT20	MCS0	2	52	5260	17.68	17.68	20.58	20.49	23.48		29.48		23.98		
HT20	MCS0	2	60	5300	17.73	17.68	20.44	20.45	23.48		29.48		23.98		
HT20	MCS0	2	64	5320	17.68	17.68	20.52	20.49	23.48		29.48		23.98		
HT40	MCS0	2	54	5270	36.56	36.36	41.81	41.49	23.98		30.00		23.98		
HT40	MCS0	2	62	5310	36.36	36.36	41.55	41.10	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.28	75.16	81.54	80.35	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	15.77	15.17	18.49	23.98		2.80		26.99	Pass
11a	6Mbps	2	60	5300	15.94	15.00	18.51	23.98		2.80		26.99	Pass
11a	6Mbps	2	64	5320	15.92	15.00	18.49	23.98		2.80		26.99	Pass
HT20	MCS0	2	52	5260	15.79	15.05	18.45	23.98		2.80		26.99	Pass
HT20	MCS0	2	60	5300	15.89	14.80	18.39	23.98		2.80		26.99	Pass
HT20	MCS0	2	64	5320	15.96	14.81	18.43	23.98		2.80		26.99	Pass
HT40	MCS0	2	54	5270	15.93	15.08	18.54	23.98		2.80		26.99	Pass
HT40	MCS0	2	62	5310	15.80	14.50	18.21	23.98		2.80		26.99	Pass
VHT20	MCS0	2	52	5260	15.69	14.95	18.35	23.98		2.80		26.99	Pass
VHT20	MCS0	2	60	5300	15.79	14.70	18.29	23.98		2.80		26.99	Pass
VHT20	MCS0	2	64	5320	15.86	14.71	18.33	23.98		2.80		26.99	Pass
VHT40	MCS0	2	54	5270	15.83	14.98	18.44	23.98		2.80		26.99	Pass
VHT40	MCS0	2	62	5310	15.70	14.40	18.11	23.98		2.80		26.99	Pass
VHT80	MCS0	2	58	5290	13.00	12.94	15.98	23.98		2.80		26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO													
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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	52	5260	-		7.28	11.00	5.42	-		Pass	
11a	6Mbps	2	60	5300			6.84	11.00	5.42			Pass	
11a	6Mbps	2	64	5320			7.15	11.00	5.42			Pass	
HT20	MCS0	2	52	5260			6.99	11.00	5.42			Pass	
HT20	MCS0	2	60	5300			6.32	11.00	5.42			Pass	
HT20	MCS0	2	64	5320			6.84	11.00	5.42			Pass	
HT40	MCS0	2	54	5270			4.00	11.00	5.42			Pass	
HT40	MCS0	2	62	5310			3.30	11.00	5.42			Pass	
VHT80	MCS0	2	58	5290			-1.15	11.00	5.42			Pass	

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	100	5500	16.73	16.63	20.30	20.30	23.21		29.21		23.98		----	----
11a	6Mbps	2	116	5580	16.83	16.58	20.26	20.41	23.20		29.20		23.98		----	----
11a	6Mbps	2	140	5700	16.78	16.68	20.53	20.46	23.22		29.22		23.98		----	----
HT20	MCS0	2	100	5500	17.68	17.63	20.49	20.37	23.46		29.46		23.98		----	----
HT20	MCS0	2	116	5580	17.83	17.63	21.86	20.37	23.46		29.46		23.98		----	----
HT20	MCS0	2	140	5700	17.78	17.68	20.65	20.38	23.48		29.48		23.98		----	----
HT40	MCS0	2	102	5510	36.36	36.36	41.30	41.30	23.98		30.00		23.98		----	----
HT40	MCS0	2	110	5550	36.46	36.36	42.19	41.14	23.98		30.00		23.98		----	----
HT40	MCS0	2	134	5670	36.56	36.36	42.27	41.42	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.40	75.40	81.38	80.61	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.52	75.40	94.91	80.70	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1
11a	6Mbps	2	144	5720	13.44	13.34	15.42	15.20	22.25		28.25		22.82		3.1	3.09
HT20	MCS0	2	144	5720	13.94	13.89	15.39	15.21	22.43		28.43		22.82		3.725	3.72
HT40	MCS0	2	142	5710	33.28	33.18	35.96	35.66	23.98		30.00		23.98		3.117	3.099
VHT80	MCS0	2	138	5690	72.76	72.76	75.80	75.51	23.98		30.00		23.98		3.112	3.112
6dB Bandwidth Limit ≥ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

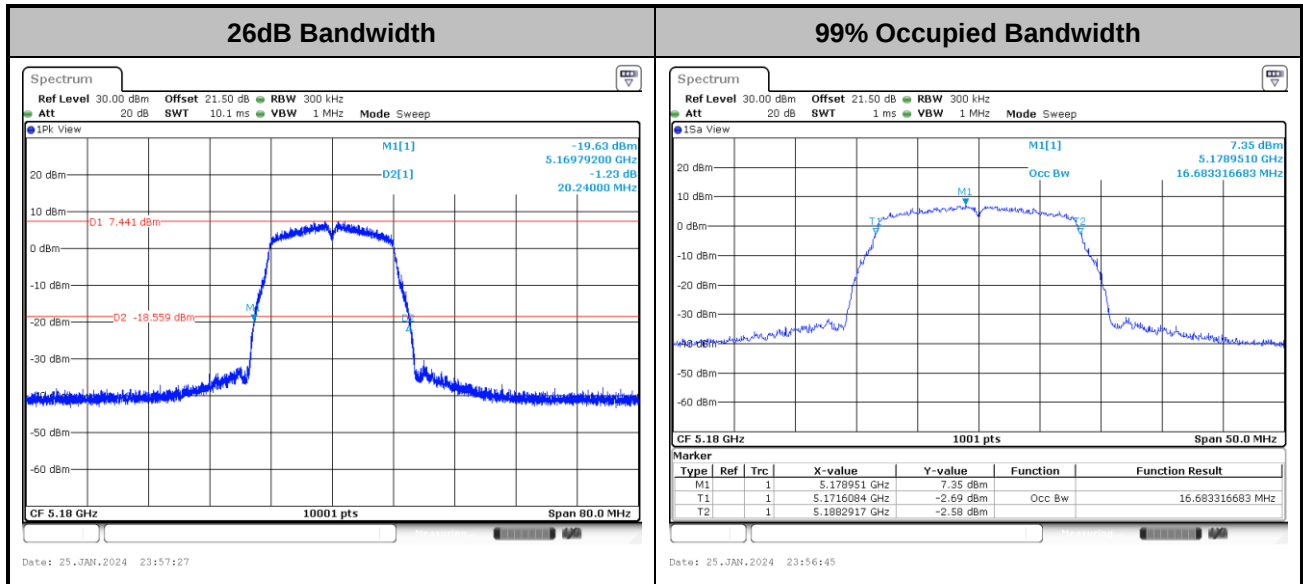
FCC U-NII-2C MIMO													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	100	5500	16.70	15.05	18.96	23.98	3.50	26.99	Pass		
11a	6Mbps	2	116	5580	16.35	14.79	18.65	23.98	3.50	26.99	Pass		
11a	6Mbps	2	140	5700	15.58	14.80	18.22	23.98	3.50	26.99	Pass		
HT20	MCS0	2	100	5500	16.50	15.00	18.82	23.98	3.50	26.99	Pass		
HT20	MCS0	2	116	5580	16.48	15.00	18.81	23.98	3.50	26.99	Pass		
HT20	MCS0	2	140	5700	15.41	14.52	18.00	23.98	3.50	26.99	Pass		
HT40	MCS0	2	102	5510	16.50	15.00	18.82	23.98	3.50	26.99	Pass		
HT40	MCS0	2	110	5550	16.20	14.70	18.52	23.98	3.50	26.99	Pass		
HT40	MCS0	2	134	5670	16.20	14.70	18.52	23.98	3.50	26.99	Pass		
VHT20	MCS0	2	100	5500	16.07	14.90	18.53	23.98	3.50	26.99	Pass		
VHT20	MCS0	2	116	5580	16.40	14.90	18.72	23.98	3.50	26.99	Pass		
VHT20	MCS0	2	140	5700	15.38	14.42	17.94	23.98	3.50	26.99	Pass		
VHT40	MCS0	2	102	5510	16.40	14.90	18.72	23.98	3.50	26.99	Pass		
VHT40	MCS0	2	110	5550	16.10	14.60	18.42	23.98	3.50	26.99	Pass		
VHT40	MCS0	2	134	5670	16.10	14.60	18.42	23.98	3.50	26.99	Pass		
VHT80	MCS0	2	106	5530	14.48	13.38	16.98	23.98	3.50	26.99	Pass		
VHT80	MCS0	2	122	5610	16.24	14.70	18.55	23.98	3.50	26.99	Pass		

FCC U-NII-2C straddle channel MIMO													
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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	2	144	5720	15.52	14.56	18.08	22.82		3.50		26.99	Pass
HT20	MCS0	2	144	5720	15.45	14.53	18.02	22.82		3.50		26.99	Pass
HT40	MCS0	2	142	5710	15.45	14.25	17.90	23.98		3.50		26.99	Pass
VHT20	MCS0	2	144	5720	15.35	14.43	17.92	23.98		3.50		26.99	Pass
VHT40	MCS0	2	142	5710	15.40	14.20	17.85	23.98		3.50		26.99	Pass
VHT80	MCS0	2	138	5690	15.94	14.66	18.36	23.98		3.50		26.99	Pass

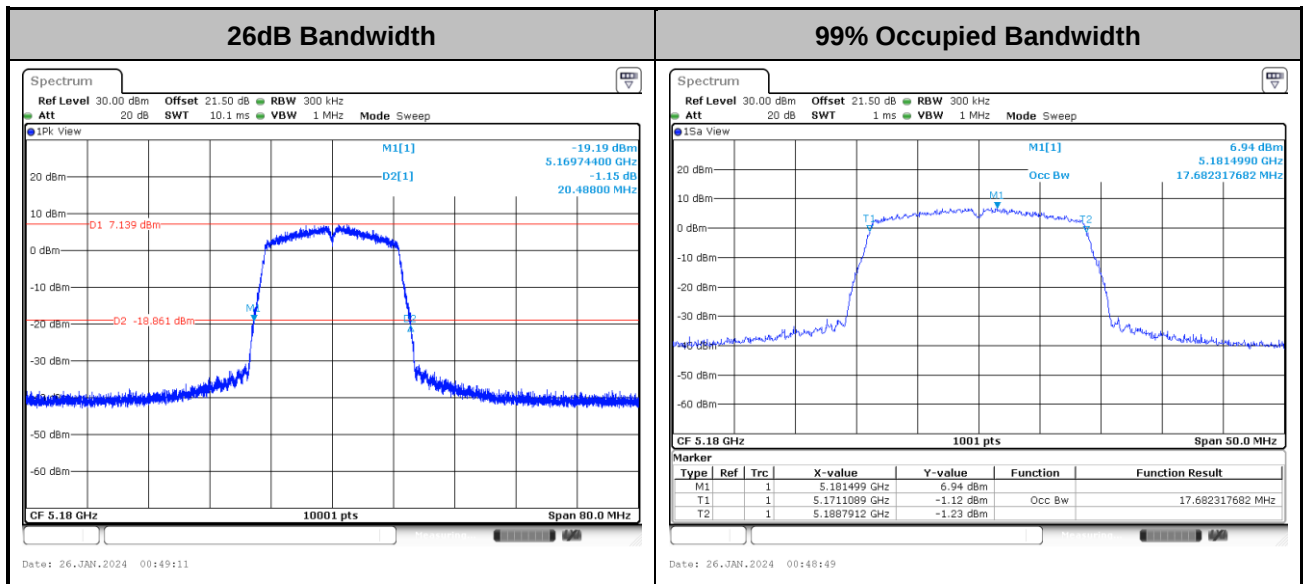
TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO												
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 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	100	5500	-		8.01	11.00		5.79		Pass
11a	6Mbps	2	116	5580			7.15	11.00		5.79		Pass
11a	6Mbps	2	140	5700			6.84	11.00		5.79		Pass
HT20	MCS0	2	100	5500			7.63	11.00		5.79		Pass
HT20	MCS0	2	116	5580			7.02	11.00		5.79		Pass
HT20	MCS0	2	140	5700			5.98	11.00		5.79		Pass
HT40	MCS0	2	102	5510			4.77	11.00		5.79		Pass
HT40	MCS0	2	110	5550			4.08	11.00		5.79		Pass
HT40	MCS0	2	134	5670			3.72	11.00		5.79		Pass
VHT80	MCS0	2	106	5530			-0.40	11.00		5.79		Pass
VHT80	MCS0	2	122	5610			1.19	11.00		5.79		Pass

U-NII-2C straddle channel MIMO												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)		Pass /Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	2	144	5720	-		6.74	11.00		5.79		Pass
HT20	MCS0	2	144	5720			6.43	11.00		5.79		Pass
HT40	MCS0	2	142	5710			3.14	11.00		5.79		Pass
VHT80	MCS0	2	138	5690			0.69	11.00		5.79		Pass

Test Result of 26dB & 99% Occupied Bandwidth
MIMO <Ant. 0+1>
<802.11a>


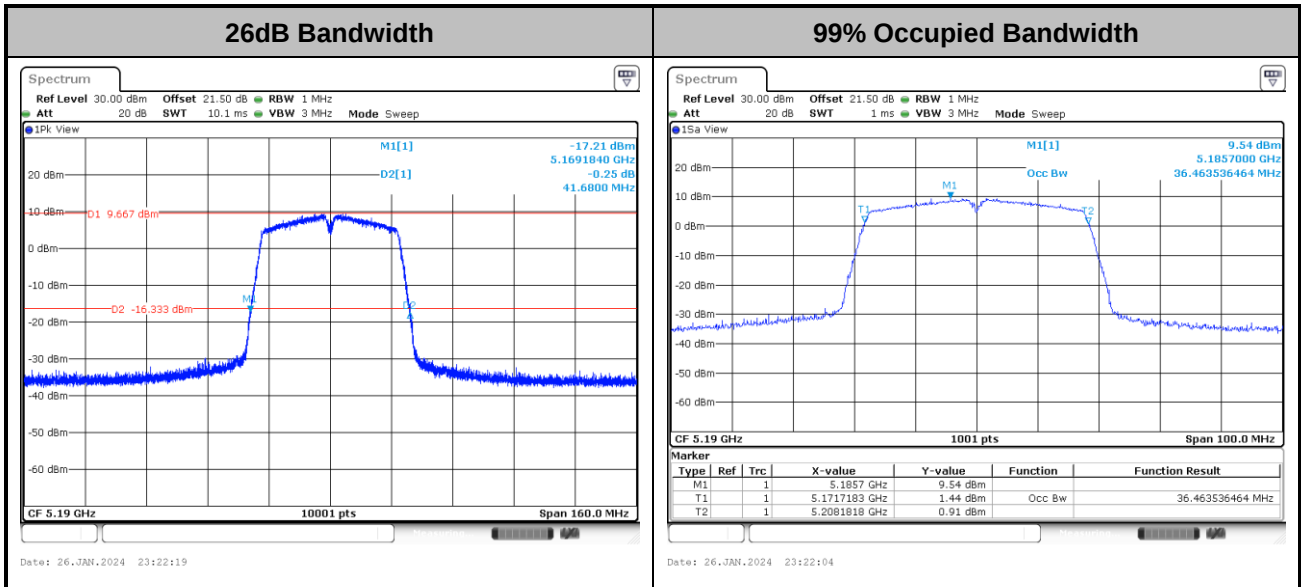
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11n HT20>


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

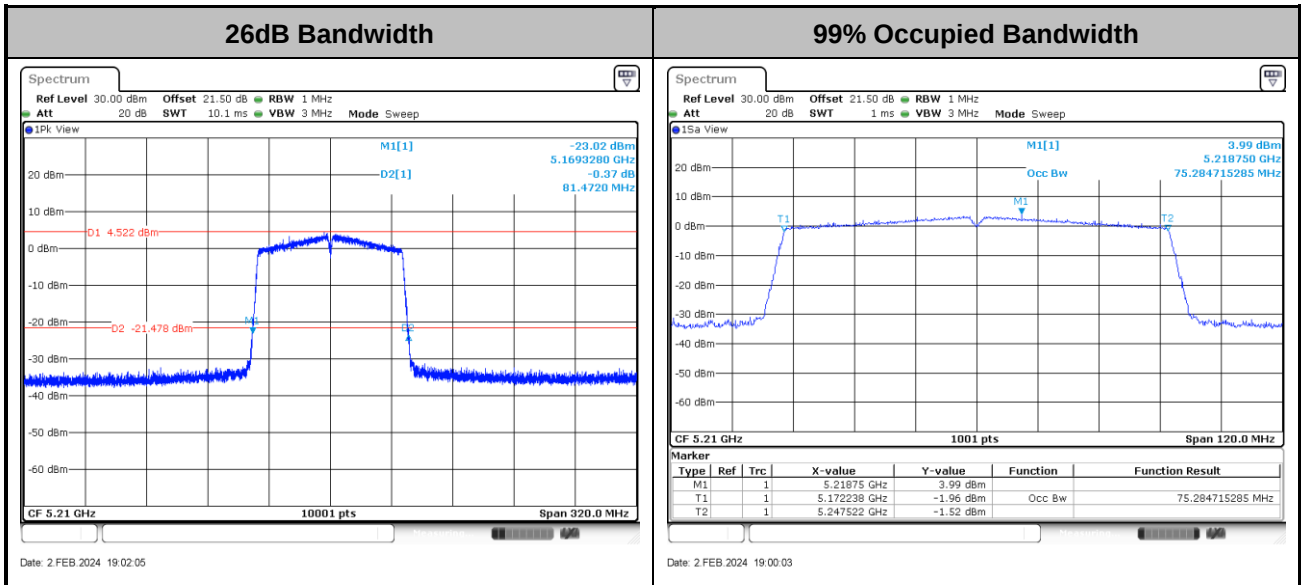


<802.11n HT40>



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

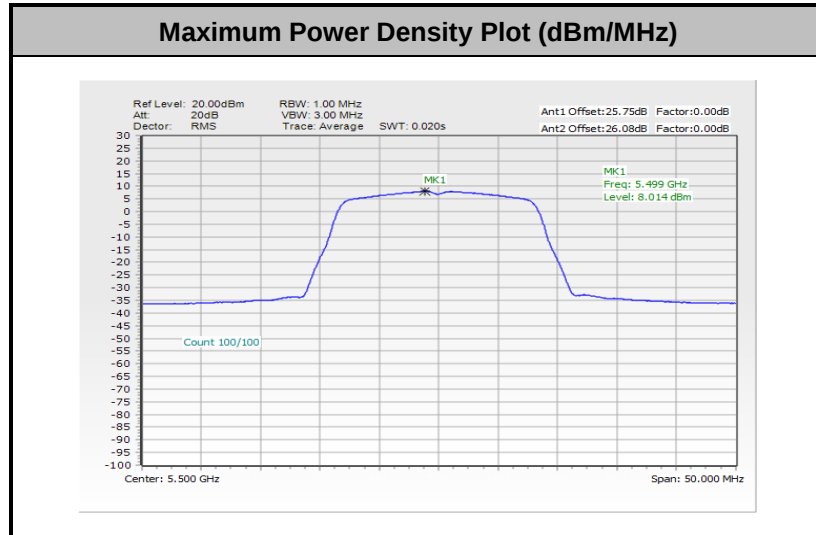
<802.11ac VHT80>



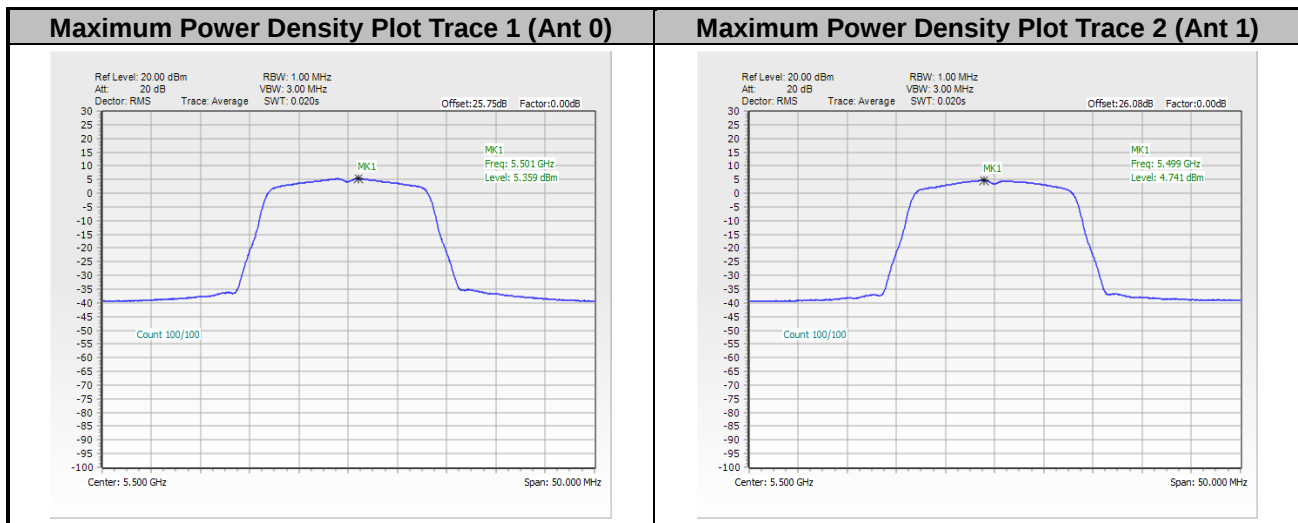
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

**Test Result of Power Spectral Density**

<802.11a>

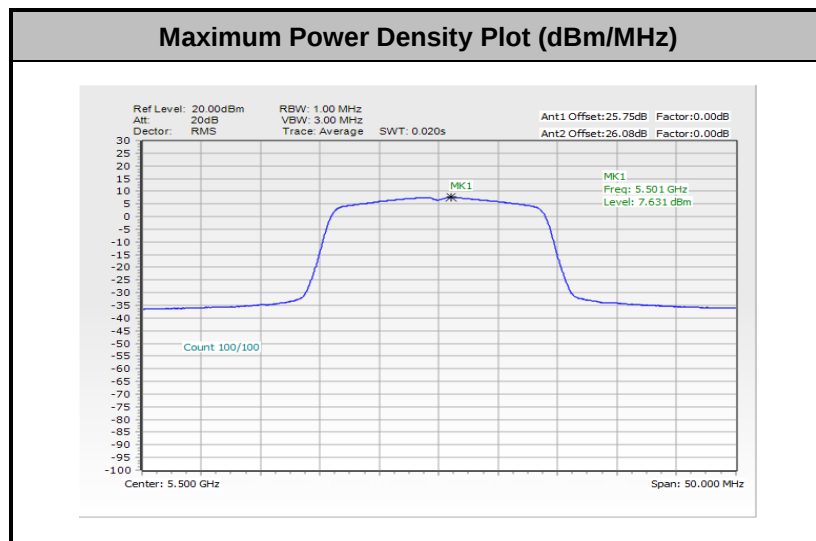


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

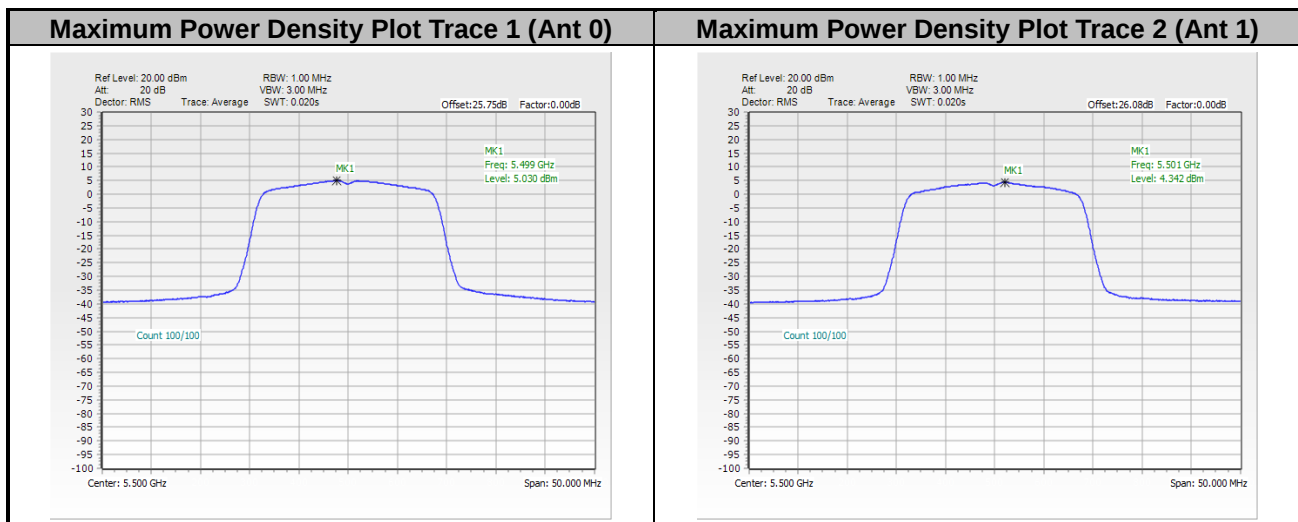




<802.11n HT20>

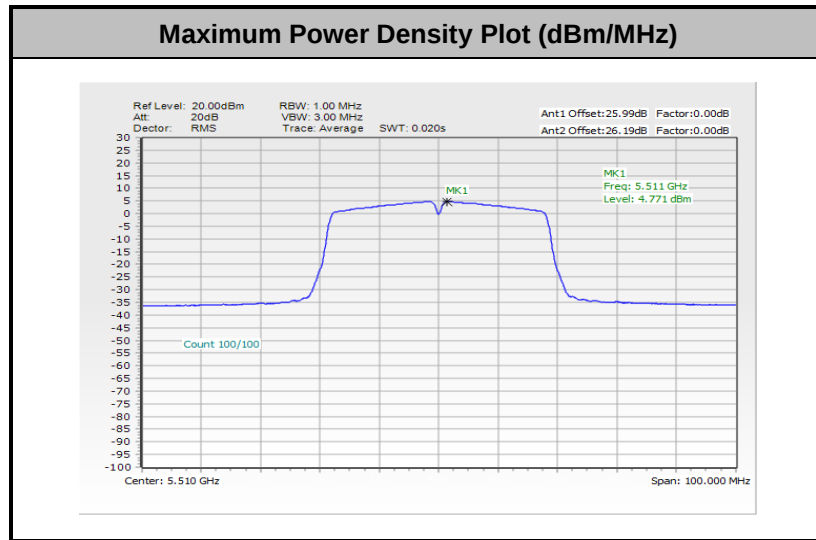


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

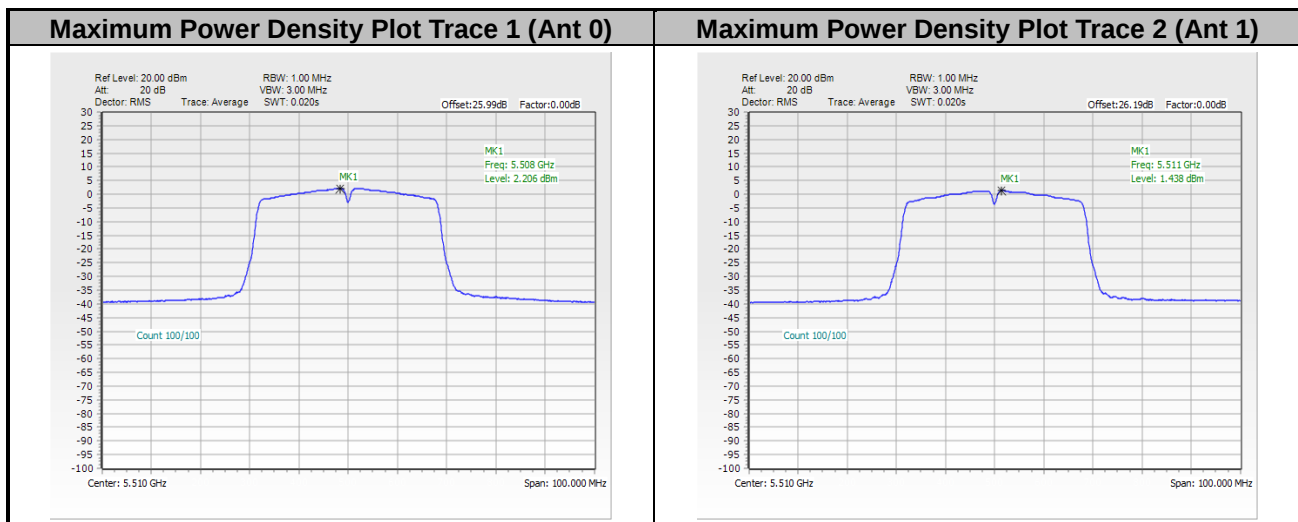




<802.11n HT40>

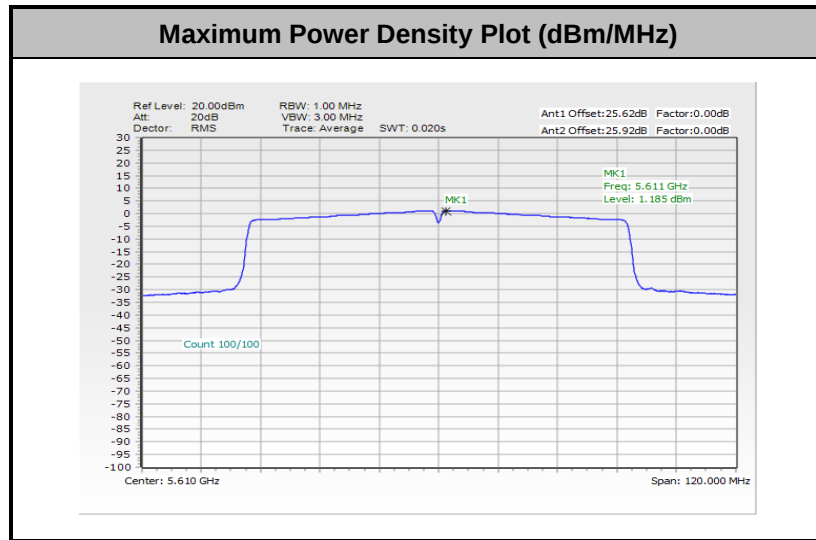


Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

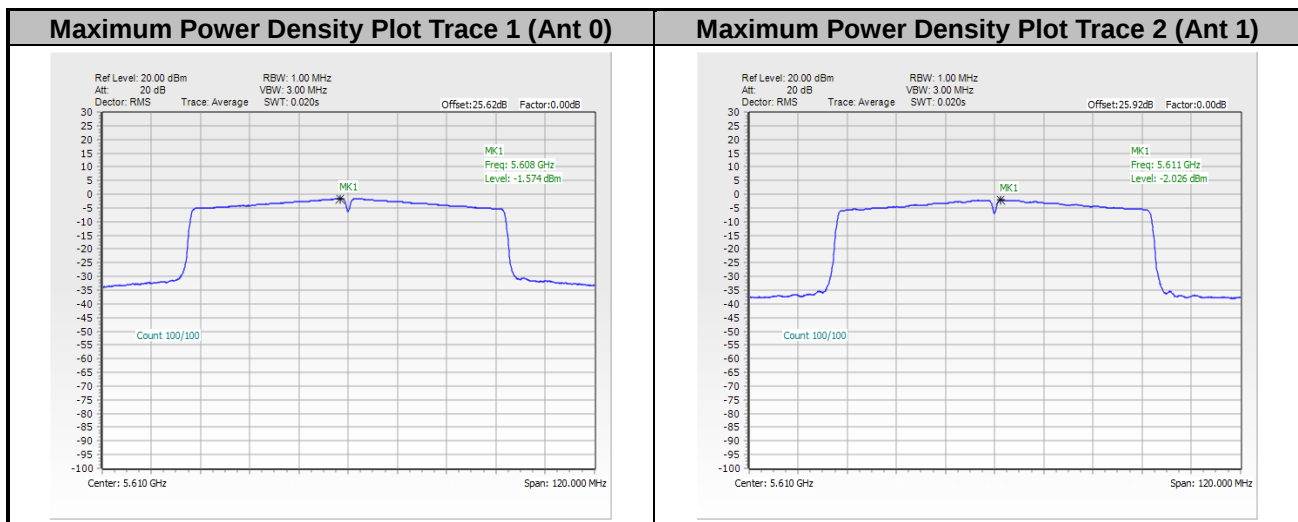




<802.11ac VHT80>



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



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% ($U = 2Uc(y)$)	6.1 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
---	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
---	--------

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

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



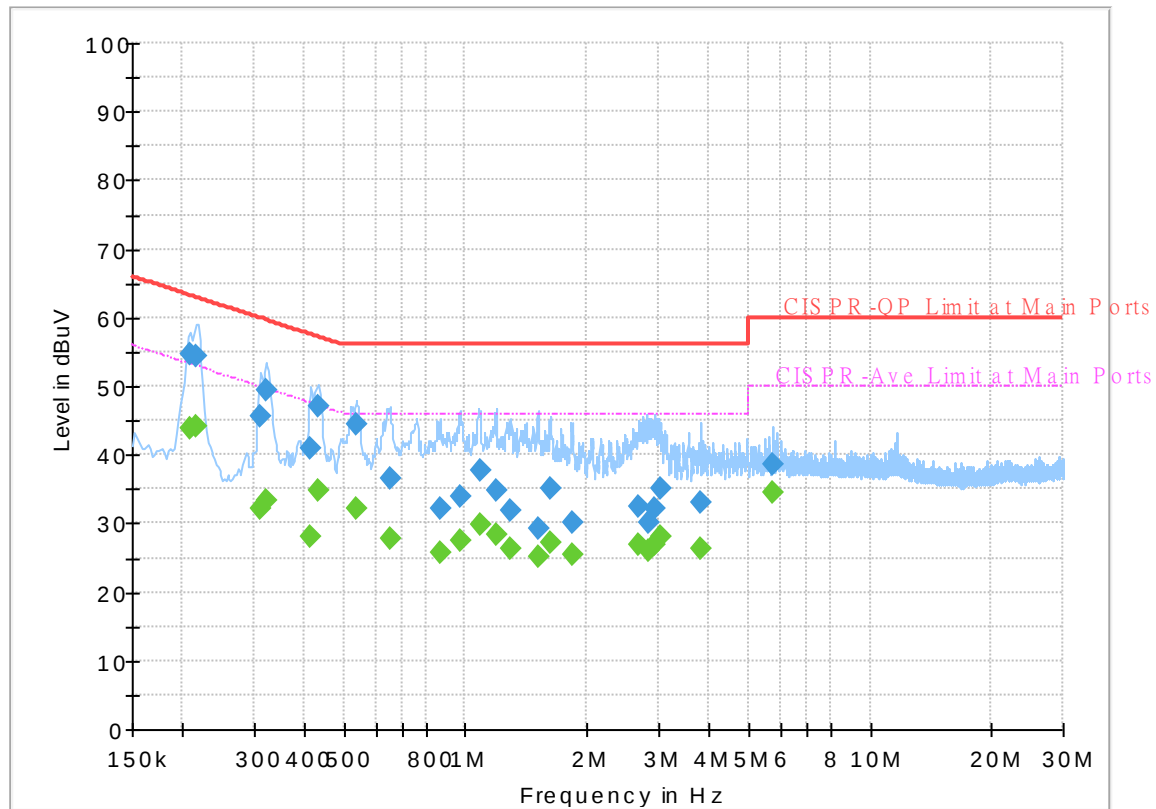
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 362718-01
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

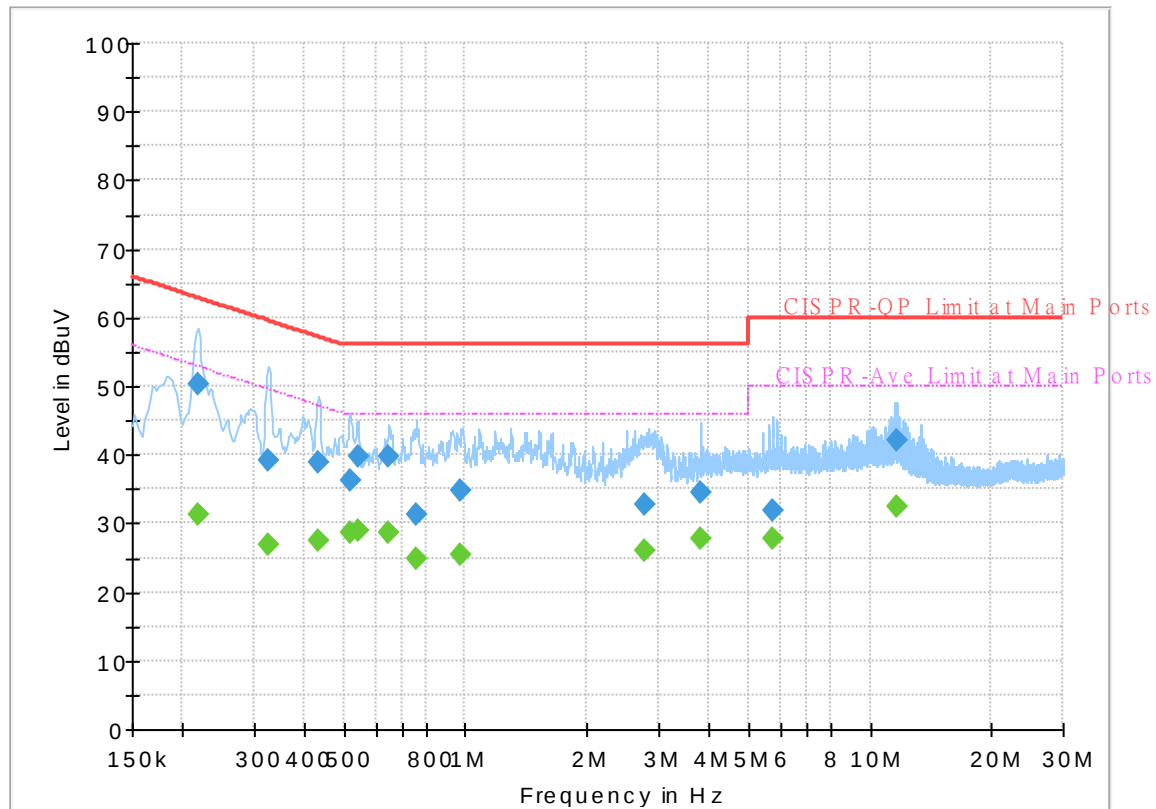
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.208500	---	43.76	53.27	9.51	L1	OFF	19.8
0.208500	54.58	---	63.27	8.69	L1	OFF	19.8
0.215250	---	44.07	53.00	8.93	L1	OFF	19.8
0.215250	54.40	---	63.00	8.60	L1	OFF	19.8
0.312000	---	32.02	49.92	17.90	L1	OFF	19.8
0.312000	45.58	---	59.92	14.34	L1	OFF	19.8
0.321000	---	33.43	49.68	16.25	L1	OFF	19.8
0.321000	49.48	---	59.68	10.20	L1	OFF	19.8
0.415500	---	28.01	47.54	19.53	L1	OFF	19.8
0.415500	40.93	---	57.54	16.61	L1	OFF	19.8
0.433500	---	34.87	47.19	12.32	L1	OFF	19.8
0.433500	46.96	---	57.19	10.23	L1	OFF	19.8
0.537000	---	32.23	46.00	13.77	L1	OFF	19.8
0.537000	44.31	---	56.00	11.69	L1	OFF	19.8
0.649500	---	27.85	46.00	18.15	L1	OFF	19.8
0.649500	36.69	---	56.00	19.31	L1	OFF	19.8
0.863250	---	25.65	46.00	20.35	L1	OFF	19.8
0.863250	32.16	---	56.00	23.84	L1	OFF	19.8
0.966750	---	27.37	46.00	18.63	L1	OFF	19.8
0.966750	33.92	---	56.00	22.08	L1	OFF	19.8
1.083750	---	29.70	46.00	16.30	L1	OFF	19.8

1.083750	37.86	---	56.00	18.14	L1	OFF	19.8
1.191750	---	28.38	46.00	17.62	L1	OFF	19.8
1.191750	34.85	---	56.00	21.15	L1	OFF	19.8
1.286250	---	26.28	46.00	19.72	L1	OFF	19.8
1.286250	31.93	---	56.00	24.07	L1	OFF	19.8
1.509000	---	25.03	46.00	20.97	L1	OFF	19.9
1.509000	29.23	---	56.00	26.77	L1	OFF	19.9
1.621500	---	27.13	46.00	18.87	L1	OFF	19.9
1.621500	35.03	---	56.00	20.97	L1	OFF	19.9
1.830750	---	25.55	46.00	20.45	L1	OFF	19.9
1.830750	30.08	---	56.00	25.92	L1	OFF	19.9
2.688000	---	26.85	46.00	19.15	L1	OFF	19.9
2.688000	32.49	---	56.00	23.51	L1	OFF	19.9
2.841000	---	26.03	46.00	19.97	L1	OFF	19.9
2.841000	30.05	---	56.00	25.95	L1	OFF	19.9
2.944500	---	26.80	46.00	19.20	L1	OFF	19.9
2.944500	32.14	---	56.00	23.86	L1	OFF	19.9
3.023250	---	27.96	46.00	18.04	L1	OFF	19.9
3.023250	34.94	---	56.00	21.06	L1	OFF	19.9
3.819750	---	26.25	46.00	19.75	L1	OFF	19.9
3.819750	33.12	---	56.00	22.88	L1	OFF	19.9
5.741250	---	34.37	50.00	15.63	L1	OFF	20.0
5.741250	38.48	---	60.00	21.52	L1	OFF	20.0

EUT Information

Report NO : 362718-01
 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)
0.217500	---	31.34	52.91	21.57	N	OFF	19.8
0.217500	50.35	---	62.91	12.56	N	OFF	19.8
0.325500	---	26.78	49.57	22.79	N	OFF	19.8
0.325500	39.13	---	59.57	20.44	N	OFF	19.8
0.433500	---	27.49	47.19	19.70	N	OFF	19.8
0.433500	38.95	---	57.19	18.24	N	OFF	19.8
0.516750	---	28.63	46.00	17.37	N	OFF	19.8
0.516750	36.31	---	56.00	19.69	N	OFF	19.8
0.541500	---	29.00	46.00	17.00	N	OFF	19.8
0.541500	39.75	---	56.00	16.25	N	OFF	19.8
0.647250	---	28.58	46.00	17.42	N	OFF	19.8
0.647250	39.67	---	56.00	16.33	N	OFF	19.8
0.757500	---	24.78	46.00	21.22	N	OFF	19.8
0.757500	31.34	---	56.00	24.66	N	OFF	19.8
0.975750	---	25.35	46.00	20.65	N	OFF	19.8
0.975750	34.75	---	56.00	21.25	N	OFF	19.8
2.764500	---	26.08	46.00	19.92	N	OFF	19.9
2.764500	32.82	---	56.00	23.18	N	OFF	19.9
3.822000	---	27.70	46.00	18.30	N	OFF	19.9
3.822000	34.47	---	56.00	21.53	N	OFF	19.9
5.736750	---	27.78	50.00	22.22	N	OFF	20.0

5.736750	31.82	---	60.00	28.18	N	OFF	20.0
11.602500	---	32.35	50.00	17.65	N	OFF	20.2
11.602500	41.98	---	60.00	18.02	N	OFF	20.2



Appendix C. Radiated Spurious Emission

Test Engineer :	Fu Chen, Yuan Lee, Sam Chou, and Troye Hsieh	Temperature :	18.1~20.7°C
		Relative Humidity :	42.7~65.5%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.46	54.33	-19.67	74	45.46	33.2	10.57	34.9	198	183	P	H
		5146.12	44.05	-9.95	54	35.18	33.2	10.57	34.9	198	183	A	H
	*	5180	109.67	-	-	100.86	33.14	10.58	34.91	198	183	P	H
	*	5180	103.43	-	-	94.62	33.14	10.58	34.91	198	183	A	H
		5127.14	53.86	-20.14	74	44.99	33.2	10.56	34.89	113	269	P	V
		5150	44.9	-9.1	54	36.03	33.2	10.57	34.9	113	269	A	V
	*	5180	112.79	-	-	103.98	33.14	10.58	34.91	113	269	P	V
	*	5180	105.38	-	-	96.57	33.14	10.58	34.91	113	269	A	V
802.11a CH 44 5220MHz		5055.12	52.45	-21.55	74	43.57	33.2	10.53	34.85	180	181	P	H
		5150	42.67	-11.33	54	33.8	33.2	10.57	34.9	180	181	A	H
	*	5220	111.57	-	-	102.8	33.06	10.64	34.93	180	181	P	H
	*	5220	103.71	-	-	94.94	33.06	10.64	34.93	180	181	A	H
		5356.4	50.55	-23.45	74	41.6	32.99	10.97	35.01	180	181	P	H
		5350	40.3	-13.7	54	31.34	33	10.96	35	180	181	A	H
		5116.48	53.71	-20.29	74	44.83	33.2	10.56	34.88	102	267	P	V
		5141.96	43.73	-10.27	54	34.85	33.2	10.57	34.89	102	267	A	V
	*	5220	113.04	-	-	104.27	33.06	10.64	34.93	102	267	P	V
	*	5220	106	-	-	97.23	33.06	10.64	34.93	102	267	A	V
		5375.44	50.74	-23.26	74	41.79	32.95	11.02	35.02	102	267	P	V
		5350	41.43	-12.57	54	32.47	33	10.96	35	102	267	A	V



802.11a CH 48 5240MHz		5147.94	53.29	-20.71	74	44.42	33.2	10.57	34.9	281	181	P	H
		5148.46	42.66	-11.34	54	33.79	33.2	10.57	34.9	281	181	A	H
	*	5240	111.51	-	-	102.74	33.02	10.69	34.94	281	181	P	H
	*	5240	105.13	-	-	96.36	33.02	10.69	34.94	281	181	A	H
		5376.28	50.81	-23.19	74	41.86	32.95	11.02	35.02	281	181	P	H
		5354.16	40.98	-13.02	54	32.02	32.99	10.97	35	281	181	A	H
		5123.24	53.37	-20.63	74	44.49	33.2	10.56	34.88	100	267	P	V
		5119.34	43.32	-10.68	54	34.44	33.2	10.56	34.88	100	267	A	V
	*	5240	113.3	-	-	104.53	33.02	10.69	34.94	100	267	P	V
	*	5240	106.42	-	-	97.65	33.02	10.69	34.94	100	267	A	V
		5356.96	52.63	-21.37	74	43.68	32.99	10.97	35.01	100	267	P	V
		5352.48	42.77	-11.23	54	33.81	33	10.96	35	100	267	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. 0+1	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	49.65	-18.55	68.2	53.52	38.8	17.36	60.03	100	93	P	H
		15540	45.71	-28.29	74	48.05	38	21.56	61.9	-	-	P	H
		10360	48.66	-19.54	68.2	52.53	38.8	17.36	60.03	100	5	P	V
		15540	45.26	-28.74	74	47.6	38	21.56	61.9	-	-	P	V
802.11a CH 44 5220MHz		10440	53.51	-14.69	68.2	57.41	38.8	17.43	60.13	279	272	P	H
		15660	45.5	-28.5	74	47.83	37.6	21.63	61.56	-	-	P	H
		10440	53.64	-14.56	68.2	57.54	38.8	17.43	60.13	338	211	P	V
		15660	45.49	-28.51	74	47.82	37.6	21.63	61.56	-	-	P	V
802.11a CH 48 5240MHz		10480	54.42	-13.78	68.2	58.4	38.74	17.46	60.18	297	272	P	H
		15720	45.46	-28.54	74	47.58	37.6	21.67	61.39	-	-	P	H
		10480	54.71	-13.49	68.2	58.69	38.74	17.46	60.18	291	202	P	V
		15720	45.17	-28.83	74	47.29	37.6	21.67	61.39	-	-	P	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. 0+1	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 36 5180MHz		5138.84	53.95	-20.05	74	45.07	33.2	10.57	34.89	100	218	P	H
		5149.76	44.01	-9.99	54	35.14	33.2	10.57	34.9	100	218	A	H
	*	5180	109.37	-	-	100.56	33.14	10.58	34.91	100	218	P	H
	*	5180	103.23	-	-	94.42	33.14	10.58	34.91	100	218	A	H
		5146.64	54.3	-19.7	74	45.43	33.2	10.57	34.9	100	268	P	V
		5147.42	44.8	-9.2	54	35.93	33.2	10.57	34.9	100	268	A	V
	*	5180	111.46	-	-	102.65	33.14	10.58	34.91	100	268	P	V
	*	5180	104.84	-	-	96.03	33.14	10.58	34.91	100	268	A	V
802.11n HT20 CH 44 5220MHz		5110.5	52.38	-21.62	74	43.51	33.2	10.55	34.88	100	214	P	H
		5143.78	42.33	-11.67	54	33.45	33.2	10.57	34.89	100	214	A	H
	*	5220	111.04	-	-	102.27	33.06	10.64	34.93	100	214	P	H
	*	5220	103.43	-	-	94.66	33.06	10.64	34.93	100	214	A	H
		5379.64	50.32	-23.68	74	41.37	32.94	11.03	35.02	100	214	P	H
		5379.36	40.36	-13.64	54	31.41	32.94	11.03	35.02	100	214	A	H
		5124.28	53.61	-20.39	74	44.73	33.2	10.56	34.88	100	266	P	V
		5141.96	42.94	-11.06	54	34.06	33.2	10.57	34.89	100	266	A	V
	*	5220	110.9	-	-	102.13	33.06	10.64	34.93	100	266	P	V
	*	5220	103.64	-	-	94.87	33.06	10.64	34.93	100	266	A	V
		5457.2	50.61	-23.39	74	41.57	32.99	11.11	35.06	100	266	P	V
		5350	40.99	-13.01	54	32.03	33	10.96	35	100	266	A	V



802.11n HT20 CH 48 5240MHz		5133.38	51.98	-22.02	74	43.11	33.2	10.56	34.89	100	214	P	H
		5140.14	41.98	-12.02	54	33.1	33.2	10.57	34.89	100	214	A	H
	*	5240	110.38	-	-	101.61	33.02	10.69	34.94	100	214	P	H
	*	5240	103.87	-	-	95.1	33.02	10.69	34.94	100	214	A	H
		5424.72	50.27	-23.73	74	41.27	32.95	11.09	35.04	100	214	P	H
		5353.32	40.91	-13.09	54	31.95	32.99	10.97	35	100	214	A	H
		5109.46	52.89	-21.11	74	44.02	33.2	10.55	34.88	100	266	P	V
		5111.8	42.57	-11.43	54	33.7	33.2	10.55	34.88	100	266	A	V
	*	5240	110.62	-	-	101.85	33.02	10.69	34.94	100	266	P	V
	*	5240	104.13	-	-	95.36	33.02	10.69	34.94	100	266	A	V
		5397.84	50.9	-23.1	74	41.96	32.9	11.07	35.03	100	266	P	V
		5351.64	42.15	-11.85	54	33.19	33	10.96	35	100	266	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. 0+1	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 36 5180MHz		10360	52.7	-15.5	68.2	56.57	38.8	17.36	60.03	100	268	P	H
		15540	46	-28	74	48.34	38	21.56	61.9	-	-	P	H
		10360	52.23	-15.97	68.2	56.1	38.8	17.36	60.03	286	204	P	V
		15540	45.37	-28.63	74	47.71	38	21.56	61.9	-	-	P	V
802.11n HT20 CH 44 5220MHz		10440	53.94	-14.26	68.2	57.84	38.8	17.43	60.13	299	271	P	H
		15660	46.3	-27.7	74	48.63	37.6	21.63	61.56	-	-	P	H
		10440	53.05	-15.15	68.2	56.95	38.8	17.43	60.13	297	205	P	V
		15660	46.19	-27.81	74	48.52	37.6	21.63	61.56	-	-	P	V
802.11n HT20 CH 48 5240MHz		10480	53.56	-14.64	68.2	57.54	38.74	17.46	60.18	100	271	P	H
		15720	46.16	-27.84	74	48.28	37.6	21.67	61.39	-	-	P	H
		10480	52.31	-15.89	68.2	56.29	38.74	17.46	60.18	287	203	P	V
		15720	46.41	-27.59	74	48.53	37.6	21.67	61.39	-	-	P	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. 0+1	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		5149.5	56.89	-17.11	74	48.02	33.2	10.57	34.9	100	219	P	H
		5149.24	47.76	-6.24	54	38.89	33.2	10.57	34.9	100	219	A	H
	*	5190	106.88	-	-	98.09	33.12	10.59	34.92	100	219	P	H
	*	5190	99.86	-	-	91.07	33.12	10.59	34.92	100	219	A	H
		5405.12	49.74	-24.26	74	40.78	32.91	11.08	35.03	100	219	P	H
		5350.24	39.69	-14.31	54	30.73	33	10.96	35	100	219	A	H
		5147.68	59.03	-14.97	74	50.16	33.2	10.57	34.9	100	266	P	V
		5146.9	47.32	-6.68	54	38.45	33.2	10.57	34.9	100	266	A	V
	*	5190	108.5	-	-	99.71	33.12	10.59	34.92	100	266	P	V
	*	5190	101.02	-	-	92.23	33.12	10.59	34.92	100	266	A	V
		5370.68	50.49	-23.51	74	41.53	32.96	11.01	35.01	100	266	P	V
		5351.92	40.43	-13.57	54	31.47	33	10.96	35	100	266	A	V
802.11n HT40 CH 46 5230MHz		5115.96	52.66	-21.34	74	43.78	33.2	10.56	34.88	100	212	P	H
		5144.04	42.63	-11.37	54	33.75	33.2	10.57	34.89	100	212	A	H
	*	5230	108.42	-	-	99.66	33.04	10.66	34.94	100	212	P	H
	*	5230	100.83	-	-	92.07	33.04	10.66	34.94	100	212	A	H
		5360.32	50.28	-23.72	74	41.33	32.98	10.98	35.01	100	212	P	H
		5350.24	40.89	-13.11	54	31.93	33	10.96	35	100	212	A	H
		5126.88	53.32	-20.68	74	44.45	33.2	10.56	34.89	100	268	P	V
		5147.42	43.55	-10.45	54	34.68	33.2	10.57	34.9	100	268	A	V
	*	5230	108.9	-	-	100.14	33.04	10.66	34.94	100	268	P	V
	*	5230	102.08	-	-	93.32	33.04	10.66	34.94	100	268	A	V
		5363.12	51.92	-22.08	74	42.97	32.97	10.99	35.01	100	268	P	V
		5351.08	41.75	-12.25	54	32.79	33	10.96	35	100	268	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. 0+1	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		10380	50.62	-17.58	68.2	54.5	38.8	17.38	60.06	100	268	P	H
		15570	45.94	-28.06	74	48.18	38	21.57	61.81	-	-	P	H
		10380	47.12	-21.08	68.2	51	38.8	17.38	60.06	-	-	P	V
		15570	45.84	-28.16	74	48.08	38	21.57	61.81	-	-	P	V
802.11n HT40 CH 46 5230MHz		10460	49.28	-18.92	68.2	53.21	38.78	17.45	60.16	250	282	P	H
		15690	47.59	-26.41	74	49.82	37.6	21.64	61.47	-	-	P	H
		10460	48.29	-19.91	68.2	52.22	38.78	17.45	60.16	300	214	P	V
		15690	45.56	-28.44	74	47.79	37.6	21.64	61.47	-	-	P	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. 0+1	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		5146.64	56.7	-17.3	74	47.83	33.2	10.57	34.9	106	212	P	H
		5141.7	47.69	-6.31	54	38.81	33.2	10.57	34.89	106	212	A	H
	*	5210	101.2	-	-	92.44	33.08	10.61	34.93	106	212	P	H
	*	5210	93.92	-	-	85.16	33.08	10.61	34.93	106	212	A	H
		5398.64	50.35	-23.65	74	41.4	32.9	11.08	35.03	106	212	P	H
		5357.04	39.76	-14.24	54	30.81	32.99	10.97	35.01	106	212	A	H
		5149.5	59.25	-14.75	74	50.38	33.2	10.57	34.9	104	268	P	V
		5149.76	50.85	-3.15	54	41.98	33.2	10.57	34.9	104	268	A	V
	*	5210	102.26	-	-	93.5	33.08	10.61	34.93	104	268	P	V
	*	5210	94.87	-	-	86.11	33.08	10.61	34.93	104	268	A	V
		5350.02	50.32	-23.68	74	41.36	33	10.96	35	104	268	P	V
		5350.02	40.19	-13.81	54	31.23	33	10.96	35	104	268	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. 0+1	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		10420	46.11	-22.09	68.2	50.01	38.8	17.41	60.11	-	-	P	H
VHT80		15630	46.42	-27.58	74	48.69	37.76	21.61	61.64	-	-	P	H
CH 42		10420	46.8	-21.4	68.2	50.7	38.8	17.41	60.11	-	-	P	V
5210MHz		15630	45.33	-28.67	74	47.6	37.76	21.61	61.64	-	-	P	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 802.11a (Band Edge @ 3m)

WIFI Ant. 0+1	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		5132.26	52.1	-21.9	74	43.23	33.2	10.56	34.89	149	179	P	H
		5139.06	42.49	-11.51	54	33.61	33.2	10.57	34.89	149	179	A	H
	*	5260	110.69	-	-	101.93	32.98	10.74	34.96	149	179	P	H
	*	5260	104.15	-	-	95.39	32.98	10.74	34.96	149	179	A	H
		5362.56	51.1	-22.9	74	42.15	32.97	10.99	35.01	149	179	P	H
		5378.88	41.29	-12.71	54	32.34	32.94	11.03	35.02	149	179	A	H
		5132.94	52.89	-21.11	74	44.02	33.2	10.56	34.89	117	267	P	V
		5142.12	42.47	-11.53	54	33.59	33.2	10.57	34.89	117	267	A	V
	*	5260	113.5	-	-	104.74	32.98	10.74	34.96	117	267	P	V
	*	5260	105.5	-	-	96.74	32.98	10.74	34.96	117	267	A	V
		5369.52	52.66	-21.34	74	43.7	32.96	11.01	35.01	117	267	P	V
		5359.68	42.6	-11.4	54	33.65	32.98	10.98	35.01	117	267	A	V
802.11a CH 60 5300MHz		5013.6	51.47	-22.53	74	42.58	33.2	10.52	34.83	300	183	P	H
		5149.6	41.21	-12.79	54	32.34	33.2	10.57	34.9	300	183	A	H
	*	5300	111.84	-	-	103.08	32.9	10.84	34.98	300	183	P	H
	*	5300	104.63	-	-	95.87	32.9	10.84	34.98	300	183	A	H
		5358.96	52.5	-21.5	74	43.55	32.98	10.98	35.01	300	183	P	H
		5350.32	42.54	-11.46	54	33.58	33	10.96	35	300	183	A	H
		5122.06	50.98	-23.02	74	42.1	33.2	10.56	34.88	100	265	P	V
		5141.78	41.33	-12.67	54	32.45	33.2	10.57	34.89	100	265	A	V
	*	5300	112.28	-	-	103.52	32.9	10.84	34.98	100	265	P	V
	*	5300	104.46	-	-	95.7	32.9	10.84	34.98	100	265	A	V
		5394.48	53.04	-20.96	74	44.09	32.91	11.07	35.03	100	265	P	V
		5350.08	43.12	-10.88	54	34.16	33	10.96	35	100	265	A	V



802.11a CH 64 5320MHz	*	5320	112.07	-	-	103.24	32.94	10.88	34.99	100	209	P	H
	*	5320	104.51	-	-	95.68	32.94	10.88	34.99	100	209	A	H
		5357.6	54.11	-19.89	74	45.16	32.98	10.98	35.01	100	209	P	H
		5351.36	44.19	-9.81	54	35.23	33	10.96	35	100	209	A	H
	*	5320	111.93	-	-	103.1	32.94	10.88	34.99	100	266	P	V
	*	5320	104.68	-	-	95.85	32.94	10.88	34.99	100	266	A	V
		5362.72	55.83	-18.17	74	46.88	32.97	10.99	35.01	100	266	P	V
		5350.08	45.16	-8.84	54	36.2	33	10.96	35	100	266	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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	52.11	-16.09	68.2	56.11	38.74	17.5	60.24	250	284	P	H
		15780	46.47	-27.53	74	48.46	37.54	21.69	61.22	-	-	P	H
		10520	49.12	-19.08	68.2	53.12	38.74	17.5	60.24	350	211	P	V
		15780	45.79	-28.21	74	47.78	37.54	21.69	61.22	-	-	P	V
802.11a CH 60 5300MHz		10600	49.68	-24.32	74	53.39	39.1	17.56	60.37	100	109	P	H
		10600	43.95	-10.05	54	47.66	39.1	17.56	60.37	100	109	A	H
		15900	45.25	-28.75	74	46.67	37.7	21.76	60.88	-	-	P	H
		10600	48.97	-25.03	74	52.68	39.1	17.56	60.37	100	358	P	V
		10600	42.63	-11.37	54	46.34	39.1	17.56	60.37	100	358	A	V
		15900	44.83	-29.17	74	46.25	37.7	21.76	60.88	-	-	P	V
802.11a CH 64 5320MHz		10640	49.53	-24.47	74	53.11	39.26	17.6	60.44	250	241	P	H
		10640	44.14	-9.86	54	47.72	39.26	17.6	60.44	250	241	A	H
		15960	47.76	-26.24	74	49.29	37.38	21.8	60.71	-	-	P	H
		10640	49.95	-24.05	74	53.53	39.26	17.6	60.44	250	185	P	V
		10640	44.67	-9.33	54	48.25	39.26	17.6	60.44	250	185	A	V
		15960	45.24	-28.76	74	46.77	37.38	21.8	60.71	-	-	P	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. 0+1	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		5102	51.19	-22.81	74	42.31	33.2	10.55	34.87	304	182	P	H
		5140.76	41.11	-12.89	54	32.23	33.2	10.57	34.89	304	182	A	H
	*	5260	110	-	-	101.24	32.98	10.74	34.96	304	182	P	H
	*	5260	102.53	-	-	93.77	32.98	10.74	34.96	304	182	A	H
		5396.4	49.88	-24.12	74	40.93	32.91	11.07	35.03	304	182	P	H
		5352	40.22	-13.78	54	31.26	33	10.96	35	304	182	A	H
		5142.46	51.71	-22.29	74	42.83	33.2	10.57	34.89	105	267	P	V
		5139.4	42.35	-11.65	54	33.47	33.2	10.57	34.89	105	267	A	V
	*	5260	111.06	-	-	102.3	32.98	10.74	34.96	105	267	P	V
	*	5260	102.98	-	-	94.22	32.98	10.74	34.96	105	267	A	V
		5374.56	51.88	-22.12	74	42.92	32.95	11.02	35.01	105	267	P	V
		5379.12	41.7	-12.3	54	32.75	32.94	11.03	35.02	105	267	A	V
802.11n HT20 CH 60 5300MHz		5073.78	51.27	-22.73	74	42.39	33.2	10.54	34.86	326	189	P	H
		5144.84	41.04	-12.96	54	32.17	33.2	10.57	34.9	326	189	A	H
	*	5300	109.64	-	-	100.88	32.9	10.84	34.98	326	189	P	H
	*	5300	102.77	-	-	94.01	32.9	10.84	34.98	326	189	A	H
		5355.12	51.42	-22.58	74	42.46	32.99	10.97	35	326	189	P	H
		5351.28	41.66	-12.34	54	32.7	33	10.96	35	326	189	A	H
		5024.44	50.9	-23.1	74	42.01	33.2	10.52	34.83	100	267	P	V
		5143.26	41.64	-12.36	54	32.76	33.2	10.57	34.89	100	267	A	V
	*	5300	111.48	-	-	102.72	32.9	10.84	34.98	100	267	P	V
	*	5300	104.1	-	-	95.34	32.9	10.84	34.98	100	267	A	V
		5351.06	53.64	-20.36	74	44.68	33	10.96	35	100	267	P	V
		5350.28	43.57	-10.43	54	34.61	33	10.96	35	100	267	A	V



802.11n HT20 CH 64 5320MHz	*	5320	110.07	-	-	101.24	32.94	10.88	34.99	347	183	P	H
	*	5320	102.3	-	-	93.47	32.94	10.88	34.99	347	183	A	H
		5350.72	54.2	-19.8	74	45.24	33	10.96	35	347	183	P	H
		5351.36	44.67	-9.33	54	35.71	33	10.96	35	347	183	A	H
	*	5320	111.62	-	-	102.79	32.94	10.88	34.99	100	267	P	V
	*	5320	103.89	-	-	95.06	32.94	10.88	34.99	100	267	A	V
		5350.08	54.96	-19.04	74	46	33	10.96	35	100	267	P	V
		5350.08	45.65	-8.35	54	36.69	33	10.96	35	100	267	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 HT20 (Harmonic @ 3m)

WIFI Ant. 0+1	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		10520	48.66	-19.54	68.2	52.66	38.74	17.5	60.24	300	273	P	H
		15780	45.89	-28.11	74	47.88	37.54	21.69	61.22	-	-	P	H
		10520	49.15	-19.05	68.2	53.15	38.74	17.5	60.24	300	201	P	V
		15780	45.48	-28.52	74	47.47	37.54	21.69	61.22	-	-	P	V
802.11n HT20 CH 60 5300MHz		10600	47.24	-26.76	74	50.95	39.1	17.56	60.37	300	280	P	H
		10600	42.88	-11.12	54	46.59	39.1	17.56	60.37	300	280	A	H
		15900	45.84	-28.16	74	47.26	37.7	21.76	60.88	-	-	P	H
		10600	48.82	-25.18	74	52.53	39.1	17.56	60.37	300	199	P	V
		10600	43.28	-10.72	54	46.99	39.1	17.56	60.37	300	199	A	V
		15900	45.47	-28.53	74	46.89	37.7	21.76	60.88	-	-	P	V
802.11n HT20 CH 64 5320MHz		10640	47.18	-26.82	74	50.76	39.26	17.6	60.44	250	239	P	H
		10640	42.84	-11.16	54	46.42	39.26	17.6	60.44	250	239	A	H
		15960	46.34	-27.66	74	47.87	37.38	21.8	60.71	-	-	P	H
		10640	49.47	-24.53	74	53.05	39.26	17.6	60.44	300	208	P	V
		10640	43.5	-10.5	54	47.08	39.26	17.6	60.44	300	208	A	V
		15960	45.36	-28.64	74	46.89	37.38	21.8	60.71	-	-	P	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. 0+1	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		5061.88	51.27	-22.73	74	42.39	33.2	10.53	34.85	138	215	P	H
		5116.28	41.33	-12.67	54	32.45	33.2	10.56	34.88	138	215	A	H
	*	5270	108.36	-	-	99.6	32.96	10.76	34.96	138	215	P	H
	*	5270	100.61	-	-	91.85	32.96	10.76	34.96	138	215	A	H
		5367.12	51.15	-22.85	74	42.19	32.97	11	35.01	138	215	P	H
		5351.04	41.46	-12.54	54	32.5	33	10.96	35	138	215	A	H
		5148.92	51.5	-22.5	74	42.63	33.2	10.57	34.9	100	274	P	V
		5144.5	41.74	-12.26	54	32.87	33.2	10.57	34.9	100	274	A	V
	*	5270	108.76	-	-	100	32.96	10.76	34.96	100	274	P	V
	*	5270	100.64	-	-	91.88	32.96	10.76	34.96	100	274	A	V
		5388.24	52.96	-21.04	74	44.01	32.92	11.05	35.02	100	274	P	V
		5350.08	42.55	-11.45	54	33.59	33	10.96	35	100	274	A	V
802.11n HT40 CH 62 5310MHz		5122.06	51	-23	74	42.12	33.2	10.56	34.88	100	180	P	H
		5146.2	40.87	-13.13	54	32	33.2	10.57	34.9	100	180	A	H
	*	5310	107.52	-	-	98.72	32.92	10.86	34.98	100	180	P	H
	*	5310	99.84	-	-	91.04	32.92	10.86	34.98	100	180	A	H
		5351.76	57.85	-16.15	74	48.89	33	10.96	35	100	180	P	H
		5351.52	46.17	-7.83	54	37.21	33	10.96	35	100	180	A	H
		5037.4	52.11	-21.89	74	43.23	33.2	10.52	34.84	100	271	P	V
		5144.5	41.19	-12.81	54	32.32	33.2	10.57	34.9	100	271	A	V
	*	5310	108.04	-	-	99.24	32.92	10.86	34.98	100	271	P	V
	*	5310	99.96	-	-	91.16	32.92	10.86	34.98	100	271	A	V
		5353.92	57.5	-16.5	74	48.54	32.99	10.97	35	100	271	P	V
		5350.08	47.97	-6.03	54	39.01	33	10.96	35	100	271	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. 0+1	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		10540	47.39	-20.81	68.2	51.38	38.78	17.51	60.28	250	244	P	H
HT40		15810	44.98	-29.02	74	46.91	37.5	21.71	61.14	-	-	P	H
CH 54		10540	46.1	-22.1	68.2	50.09	38.78	17.51	60.28	250	304	P	V
5270MHz		15810	44.88	-29.12	74	46.81	37.5	21.71	61.14	-	-	P	V
802.11n		10620	45.4	-28.6	74	49.05	39.18	17.58	60.41	-	-	P	H
HT40		15930	44.74	-29.26	74	46.24	37.52	21.78	60.8	-	-	P	H
CH 62		10620	46.56	-27.44	74	50.21	39.18	17.58	60.41	-	-	P	V
5310MHz		15930	44.63	-29.37	74	46.13	37.52	21.78	60.8	-	-	P	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. 0+1	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		5118.5	51.27	-22.73	74	42.39	33.2	10.56	34.88	150	179	P	H
		5141.6	40.9	-13.1	54	32.02	33.2	10.57	34.89	150	179	A	H
	*	5290	101.47	-	-	92.71	32.92	10.81	34.97	150	179	P	H
	*	5290	94.02	-	-	85.26	32.92	10.81	34.97	150	179	A	H
		5356.8	55.62	-18.38	74	46.67	32.99	10.97	35.01	150	179	P	H
		5362.08	46.69	-7.31	54	37.73	32.98	10.99	35.01	150	179	A	H
		5126.3	50.59	-23.41	74	41.72	33.2	10.56	34.89	100	265	P	V
		5144	41.21	-12.79	54	32.33	33.2	10.57	34.89	100	265	A	V
	*	5290	102.86	-	-	94.1	32.92	10.81	34.97	100	265	P	V
	*	5290	95.12	-	-	86.36	32.92	10.81	34.97	100	265	A	V
		5350.8	58.97	-15.03	74	50.01	33	10.96	35	100	265	P	V
		5350.08	50.64	-3.36	54	41.68	33	10.96	35	100	265	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. 0+1	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		10580	45.05	-23.15	68.2	48.86	38.98	17.55	60.34	-	-	P	H
VHT80		15870	44.9	-29.1	74	46.54	37.58	21.75	60.97	-	-	P	H
CH 58		10580	46.06	-22.14	68.2	49.87	38.98	17.55	60.34	-	-	P	V
5290MHz		15870	44.53	-29.47	74	46.17	37.58	21.75	60.97	-	-	P	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 802.11a (Band Edge @ 3m)

WIFI Ant. 0+1	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		5458.48	54.07	-19.93	74	45.04	32.98	11.11	35.06	100	205	P	H
		5464.88	54.49	-13.71	68.2	45.46	32.97	11.12	35.06	100	205	P	H
		5459.92	43.71	-10.29	54	34.68	32.98	11.11	35.06	100	205	A	H
	*	5500	110.08	-	-	101.12	32.9	11.14	35.08	100	205	P	H
	*	5500	103.75	-	-	94.79	32.9	11.14	35.08	100	205	A	H
		5442.48	53.93	-20.07	74	44.9	32.98	11.1	35.05	100	268	P	V
		5469.68	56.45	-11.75	68.2	47.43	32.96	11.12	35.06	100	268	P	V
		5449.52	44.44	-9.56	54	35.38	33	11.11	35.05	100	268	A	V
	*	5500	112.23	-	-	103.27	32.9	11.14	35.08	100	268	P	V
	*	5500	105.61	-	-	96.65	32.9	11.14	35.08	100	268	A	V
802.11a CH 116 5580MHz		5453.92	51.94	-22.06	74	42.9	32.99	11.11	35.06	100	208	P	H
		5468.8	52.28	-15.92	68.2	43.26	32.96	11.12	35.06	100	208	P	H
		5459.2	42.38	-11.62	54	33.35	32.98	11.11	35.06	100	208	A	H
	*	5580	111.96	-	-	102.85	32.96	11.18	35.03	100	208	P	H
	*	5580	104.92	-	-	95.81	32.96	11.18	35.03	100	208	A	H
		5753.975	51.5	-16.7	68.2	41.38	33.72	11.33	34.93	100	208	P	H
		5459.92	51.85	-22.15	74	42.82	32.98	11.11	35.06	100	264	P	V
		5460.16	52.55	-15.65	68.2	43.52	32.98	11.11	35.06	100	264	P	V
		5456.08	42.22	-11.78	54	33.18	32.99	11.11	35.06	100	264	A	V
	*	5580	110.68	-	-	101.57	32.96	11.18	35.03	100	264	P	V
	*	5580	104.44	-	-	95.33	32.96	11.18	35.03	100	264	A	V
		5738.225	51.78	-16.42	68.2	41.76	33.65	11.31	34.94	100	264	P	V



802.11a CH 140 5700MHz	*	5700	112.32	-	-	102.56	33.5	11.28	35.02	100	27	P	H
	*	5700	105.39	-	-	95.63	33.5	11.28	35.02	100	27	A	H
		5725	59.16	-9.04	68.2	49.27	33.6	11.3	35.01	100	27	P	H
	*	5700	111.43	-	-	101.67	33.5	11.28	35.02	100	107	P	V
	*	5700	104.78	-	-	95.02	33.5	11.28	35.02	100	107	A	V
		5725.8	59.61	-8.59	68.2	49.72	33.6	11.3	35.01	100	107	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	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	45.86	-28.14	74	50.08	38.9	17.91	61.03	-	-	P	H
		16500	45.58	-22.62	68.2	44.51	38.4	22.34	59.67	-	-	P	H
		11000	46.21	-27.79	74	50.43	38.9	17.91	61.03	-	-	P	V
		16500	46.4	-21.8	68.2	45.33	38.4	22.34	59.67	-	-	P	V
802.11a CH 116 5580MHz		11160	47.46	-26.54	74	51.65	38.9	18.01	61.1	100	121	P	H
		11160	40.01	-13.99	54	44.2	38.9	18.01	61.1	100	121	A	H
		16740	46.44	-21.76	68.2	44.87	38.14	22.6	59.17	-	-	P	H
		11160	45.96	-28.04	74	50.15	38.9	18.01	61.1	-	-	P	V
		16740	45.6	-22.6	68.2	44.03	38.14	22.6	59.17	-	-	P	V
802.11a CH 140 5700MHz		11400	50.3	-23.7	74	54.25	39.1	18.16	61.21	100	270	P	H
		11400	43.11	-10.89	54	47.06	39.1	18.16	61.21	100	270	A	H
		17100	47.48	-20.72	68.2	44.87	38	22.92	58.31	-	-	P	H
		11400	49.57	-24.43	74	53.52	39.1	18.16	61.21	300	192	P	V
		11400	41.45	-12.55	54	45.4	39.1	18.16	61.21	300	192	A	V
		17100	46.35	-21.85	68.2	43.74	38	22.92	58.31	-	-	P	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. 0+1	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 100 5500MHz		5459.6	53.64	-20.36	74	44.61	32.98	11.11	35.06	100	206	P	H
		5466	54	-14.2	68.2	44.97	32.97	11.12	35.06	100	206	P	H
		5460	43.21	-10.79	54	34.18	32.98	11.11	35.06	100	206	A	H
	*	5500	108.61	-	-	99.65	32.9	11.14	35.08	100	206	P	H
	*	5500	102.56	-	-	93.6	32.9	11.14	35.08	100	206	A	H
		5455.92	54.91	-19.09	74	45.87	32.99	11.11	35.06	100	265	P	V
		5466.64	54.86	-13.34	68.2	45.83	32.97	11.12	35.06	100	265	P	V
		5459.6	44.31	-9.69	54	35.28	32.98	11.11	35.06	100	265	A	V
	*	5500	111.47	-	-	102.51	32.9	11.14	35.08	100	265	P	V
	*	5500	104.95	-	-	95.99	32.9	11.14	35.08	100	265	A	V
802.11n HT20 CH 116 5580MHz		5427.52	50.62	-23.38	74	41.6	32.96	11.1	35.04	100	206	P	H
		5465.68	51.43	-16.77	68.2	42.4	32.97	11.12	35.06	100	206	P	H
		5458.96	41.95	-12.05	54	32.92	32.98	11.11	35.06	100	206	A	H
	*	5580	109.39	-	-	100.28	32.96	11.18	35.03	100	206	P	H
	*	5580	103.37	-	-	94.26	32.96	11.18	35.03	100	206	A	H
		5749.25	50.8	-17.4	68.2	40.72	33.7	11.32	34.94	100	206	P	H
		5455.36	52.37	-21.63	74	43.33	32.99	11.11	35.06	100	265	P	V
		5460.4	51.83	-16.37	68.2	42.8	32.98	11.11	35.06	100	265	P	V
		5457.04	42.57	-11.43	54	33.53	32.99	11.11	35.06	100	265	A	V
	*	5580	111.53	-	-	102.42	32.96	11.18	35.03	100	265	P	V
	*	5580	104.6	-	-	95.49	32.96	11.18	35.03	100	265	A	V
		5738.225	51.7	-16.5	68.2	41.68	33.65	11.31	34.94	100	265	P	V



802.11n HT20 CH 140 5700MHz	*	5700	111.14	-	-	101.32	33.5	11.28	34.96	100	200	P	H
	*	5700	104.35	-	-	94.53	33.5	11.28	34.96	100	200	A	H
		5725	61.55	-6.65	68.2	51.6	33.6	11.3	34.95	100	200	P	H
	*	5700	111.23	-	-	101.41	33.5	11.28	34.96	100	288	P	V
	*	5700	104.68	-	-	94.86	33.5	11.28	34.96	100	288	A	V
		5727.8	61.38	-6.82	68.2	51.41	33.61	11.31	34.95	100	288	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 HT20 (Harmonic @ 3m)

WIFI Ant. 0+1	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 100 5500MHz		11000	45.52	-28.48	74	49.74	38.9	17.91	61.03	-	-	P	H
		16500	46.19	-22.01	68.2	45.12	38.4	22.34	59.67	-	-	P	H
		11000	45.51	-28.49	74	49.73	38.9	17.91	61.03	-	-	P	V
		16500	45.97	-22.23	68.2	44.9	38.4	22.34	59.67	-	-	P	V
802.11n HT20 CH 116 5580MHz		11160	47.54	-26.46	74	51.73	38.9	18.01	61.1	-	-	P	H
		16740	48.03	-20.17	68.2	46.46	38.14	22.6	59.17	-	-	P	H
		11160	47.22	-26.78	74	51.41	38.9	18.01	61.1	-	-	P	V
		16740	47.35	-20.85	68.2	45.78	38.14	22.6	59.17	-	-	P	V
802.11n HT20 CH 140 5700MHz		11400	50.78	-23.22	74	54.73	39.1	18.16	61.21	100	269	P	H
		11400	43.7	-10.3	54	47.65	39.1	18.16	61.21	100	269	A	H
		17100	47.42	-20.78	68.2	44.81	38	22.92	58.31	-	-	P	H
		11400	48.77	-25.23	74	52.72	39.1	18.16	61.21	300	193	P	V
		11400	42.4	-11.6	54	46.35	39.1	18.16	61.21	300	193	A	V
		17100	48.19	-20.01	68.2	45.58	38	22.92	58.31	-	-	P	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. 0+1	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		5451.52	53.73	-20.27	74	44.67	33	11.11	35.05	150	206	P	H
		5470	57.28	-10.92	68.2	48.26	32.96	11.12	35.06	150	206	P	H
		5457.28	43.44	-10.56	54	34.4	32.99	11.11	35.06	150	206	A	H
	*	5510	105.5	-	-	96.53	32.9	11.14	35.07	150	206	P	H
	*	5510	99.24	-	-	90.27	32.9	11.14	35.07	150	206	A	H
		5745.785	51.6	-16.6	68.2	41.54	33.68	11.32	34.94	150	206	P	H
		5454.64	55.29	-18.71	74	46.25	32.99	11.11	35.06	100	266	P	V
		5469.52	60.02	-8.18	68.2	51	32.96	11.12	35.06	100	266	P	V
		5458.96	45.5	-8.5	54	36.47	32.98	11.11	35.06	100	266	A	V
	*	5510	108.26	-	-	99.29	32.9	11.14	35.07	100	266	P	V
	*	5510	101.18	-	-	92.21	32.9	11.14	35.07	100	266	A	V
		5742.005	50.5	-17.7	68.2	40.45	33.67	11.32	34.94	100	266	P	V
802.11n HT40 CH 110 5550MHz		5402.32	52.1	-21.9	74	43.15	32.9	11.08	35.03	100	185	P	H
		5465.2	51.99	-16.21	68.2	42.96	32.97	11.12	35.06	100	185	P	H
		5457.52	41.95	-12.05	54	32.92	32.98	11.11	35.06	100	185	A	H
	*	5550	105.78	-	-	96.77	32.9	11.16	35.05	100	185	P	H
	*	5550	99.56	-	-	90.55	32.9	11.16	35.05	100	185	A	H
		5744.525	51.75	-16.45	68.2	41.69	33.68	11.32	34.94	100	185	P	H
		5455.6	52.85	-21.15	74	43.81	32.99	11.11	35.06	100	272	P	V
		5464.96	53.39	-14.81	68.2	44.36	32.97	11.12	35.06	100	272	P	V
		5459.92	43.07	-10.93	54	34.04	32.98	11.11	35.06	100	272	A	V
	*	5550	108.69	-	-	99.68	32.9	11.16	35.05	100	272	P	V
	*	5550	102.15	-	-	93.14	32.9	11.16	35.05	100	272	A	V
		5761.22	51.45	-16.75	68.2	41.3	33.74	11.34	34.93	100	272	P	V



802.11n HT40 CH 134 5670MHz		5433.3	49.86	-24.14	74	40.84	32.97	11.1	35.05	100	201	P	H
		5467.25	50.06	-18.14	68.2	41.03	32.97	11.12	35.06	100	201	P	H
		5459.9	39.91	-14.09	54	30.88	32.98	11.11	35.06	100	201	A	H
	*	5670	107.64	-	-	98.11	33.26	11.25	34.98	100	201	P	H
	*	5670	100.9	-	-	91.37	33.26	11.25	34.98	100	201	A	H
		5725.1	56.37	-11.83	68.2	46.42	33.6	11.3	34.95	100	201	P	H
		5451.15	50.95	-23.05	74	41.89	33	11.11	35.05	100	273	P	V
		5470	49.36	-18.84	68.2	40.34	32.96	11.12	35.06	100	273	P	V
		5459.9	40.26	-13.74	54	31.23	32.98	11.11	35.06	100	273	A	V
	*	5670	106.74	-	-	97.21	33.26	11.25	34.98	100	273	P	V
	*	5670	100.3	-	-	90.77	33.26	11.25	34.98	100	273	A	V
		5727.725	55.51	-12.69	68.2	45.55	33.61	11.3	34.95	100	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. 0+1	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		11020	45.14	-28.86	74	49.44	38.82	17.92	61.04	-	-	P	H
		16530	46.01	-22.19	68.2	45.03	38.22	22.37	59.61	-	-	P	H
		11020	46.35	-27.65	74	50.65	38.82	17.92	61.04	-	-	P	V
		16530	45.77	-22.43	68.2	44.79	38.22	22.37	59.61	-	-	P	V
802.11n HT40 CH 110 5550MHz		11100	45.86	-28.14	74	50.27	38.7	17.97	61.08	-	-	P	H
		16650	47.56	-20.64	68.2	46.12	38.3	22.5	59.36	-	-	P	H
		11100	45.65	-28.35	74	50.06	38.7	17.97	61.08	-	-	P	V
		16650	46.36	-21.84	68.2	44.92	38.3	22.5	59.36	-	-	P	V
802.11n HT40 CH 134 5670MHz		11340	47.27	-26.73	74	51.24	39.1	18.12	61.19	-	-	P	H
		17010	47.11	-21.09	68.2	44.87	37.96	22.88	58.6	-	-	P	H
		11340	46.7	-27.3	74	50.67	39.1	18.12	61.19	-	-	P	V
		17010	45.96	-22.24	68.2	43.72	37.96	22.88	58.6	-	-	P	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. 0+1	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		5455.12	57.78	-16.22	74	48.74	32.99	11.11	35.06	100	185	P	H
		5469.28	59.41	-8.79	68.2	50.39	32.96	11.12	35.06	100	185	P	H
		5454.16	47.53	-6.47	54	38.49	32.99	11.11	35.06	100	185	A	H
	*	5530	101.45	-	-	92.46	32.9	11.15	35.06	100	185	P	H
	*	5530	95.18	-	-	86.19	32.9	11.15	35.06	100	185	A	H
		5757.755	51.61	-16.59	68.2	41.48	33.73	11.33	34.93	100	185	P	H
		5446.48	60.23	-13.77	74	51.18	32.99	11.11	35.05	100	272	P	V
		5461.84	60.13	-8.07	68.2	51.1	32.98	11.11	35.06	100	272	P	V
		5457.28	49.43	-4.57	54	40.39	32.99	11.11	35.06	100	272	A	V
	*	5530	105	-	-	96.01	32.9	11.15	35.06	100	272	P	V
	*	5530	98.29	-	-	89.3	32.9	11.15	35.06	100	272	A	V
		5749.25	50.73	-17.47	68.2	40.65	33.7	11.32	34.94	100	272	P	V
802.11ac VHT80 CH 122 5610MHz		5437.85	50.38	-23.62	74	41.35	32.98	11.1	35.05	100	197	P	H
		5464.8	51.03	-17.17	68.2	42	32.97	11.12	35.06	100	197	P	H
		5458.85	41.03	-12.97	54	32	32.98	11.11	35.06	100	197	A	H
	*	5610	103.8	-	-	94.6	33.02	11.2	35.02	100	197	P	H
	*	5610	96.61	-	-	87.41	33.02	11.2	35.02	100	197	A	H
		5740.15	51.76	-16.44	68.2	41.72	33.66	11.32	34.94	100	197	P	H
		5458.15	50.1	-23.9	74	41.07	32.98	11.11	35.06	100	274	P	V
		5466.55	51.21	-16.99	68.2	42.18	32.97	11.12	35.06	100	274	P	V
		5456.75	41.52	-12.48	54	32.48	32.99	11.11	35.06	100	274	A	V
	*	5610	104.16	-	-	94.96	33.02	11.2	35.02	100	274	P	V
	*	5610	97.51	-	-	88.31	33.02	11.2	35.02	100	274	A	V
		5725	51.79	-16.41	68.2	41.84	33.6	11.3	34.95	100	274	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. 0+1	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		11060	45.27	-28.73	74	49.68	38.7	17.95	61.06	-	-	P	H
VHT80		16590	45.69	-22.51	68.2	44.63	38.1	22.44	59.48	-	-	P	H
CH 106		11060	45.45	-28.55	74	49.86	38.7	17.95	61.06	-	-	P	V
5530MHz		16590	45.32	-22.88	68.2	44.26	38.1	22.44	59.48	-	-	P	V
802.11ac		11220	46.04	-27.96	74	50.15	38.98	18.04	61.13	-	-	P	H
VHT80		16830	46.18	-22.02	68.2	44.31	38.16	22.69	58.98	-	-	P	H
CH 122		11220	46.94	-27.06	74	51.05	38.98	18.04	61.13	-	-	P	V
5610MHz		16830	46.93	-21.27	68.2	45.06	38.16	22.69	58.98	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 3 - Straddle Channel

WIFI 802.11a (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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		5418.25	50.86	-23.14	74	41.87	32.94	11.09	35.04	100	208	P	H
		5465.83	50.28	-17.92	68.2	41.25	32.97	11.12	35.06	100	208	P	H
		5458.81	39.77	-14.23	54	30.74	32.98	11.11	35.06	100	208	A	H
	*	5720	112.61	-	-	102.68	33.58	11.3	34.95	100	208	P	H
	*	5720	105.46	-	-	95.53	33.58	11.3	34.95	100	208	A	H
		5883.25	51.77	-16.43	68.2	41.19	34.13	11.31	34.86	100	208	P	H
		5459.98	50.08	-23.92	74	41.05	32.98	11.11	35.06	250	275	P	V
		5460.37	50.09	-18.11	68.2	41.06	32.98	11.11	35.06	250	275	P	V
		5459.98	39.9	-14.1	54	30.87	32.98	11.11	35.06	250	275	A	V
	*	5720	111.41	-	-	101.48	33.58	11.3	34.95	250	275	P	V
	*	5720	105.14	-	-	95.21	33.58	11.3	34.95	250	275	A	V
		5885.5	52.04	-16.16	68.2	41.45	34.14	11.31	34.86	250	275	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	52.62	-21.38	74	56.65	39.02	18.18	61.23	100	269	P	H
		11440	44.11	-9.89	54	48.14	39.02	18.18	61.23	100	269	A	H
		17160	46.06	-22.14	68.2	43.08	38.14	22.96	58.12	-	-	P	H
		11440	49	-25	74	53.03	39.02	18.18	61.23	250	204	P	V
		11440	42.52	-11.48	54	46.55	39.02	18.18	61.23	250	204	A	V
		17160	46.36	-21.84	68.2	43.38	38.14	22.96	58.12	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		5451.4	48.8	-25.2	74	39.74	33	11.11	35.05	100	201	P	H
		5466.61	47.72	-20.48	68.2	38.69	32.97	11.12	35.06	100	201	P	H
		5459.59	39.62	-14.38	54	30.59	32.98	11.11	35.06	100	201	A	H
	*	5720	111.04	-	-	101.11	33.58	11.3	34.95	100	201	P	H
	*	5720	104.9	-	-	94.97	33.58	11.3	34.95	100	201	A	H
		5876	52.11	-16.09	68.2	41.56	34.1	11.31	34.86	100	201	P	H
		5419.42	49.58	-24.42	74	40.59	32.94	11.09	35.04	100	289	P	V
		5461.54	48.28	-19.92	68.2	39.25	32.98	11.11	35.06	100	289	P	V
		5459.98	39.78	-14.22	54	30.75	32.98	11.11	35.06	100	289	A	V
	*	5720	110.37	-	-	100.44	33.58	11.3	34.95	100	289	P	V
	*	5720	103.73	-	-	93.8	33.58	11.3	34.95	100	289	A	V
		5896.75	51.64	-16.56	68.2	41	34.19	11.3	34.85	100	289	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	50.49	-23.51	74	54.52	39.02	18.18	61.23	250	258	P	H
		11440	44.2	-9.8	54	48.23	39.02	18.18	61.23	250	258	A	H
		17160	46.77	-21.43	68.2	43.79	38.14	22.96	58.12	-	-	P	H
		11440	50.17	-23.83	74	54.2	39.02	18.18	61.23	250	198	P	V
		11440	42.52	-11.48	54	46.55	39.02	18.18	61.23	250	198	A	V
		17160	46.2	-22	68.2	43.22	38.14	22.96	58.12	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		5435.8	49.31	-24.69	74	40.29	32.97	11.1	35.05	100	201	P	H
		5463.88	48.02	-20.18	68.2	38.99	32.97	11.12	35.06	100	201	P	H
		5458.42	39.68	-14.32	54	30.65	32.98	11.11	35.06	100	201	A	H
	*	5710	108.33	-	-	98.46	33.54	11.29	34.96	100	201	P	H
	*	5710	101.7	-	-	91.83	33.54	11.29	34.96	100	201	A	H
		5872.25	51.42	-16.78	68.2	40.87	34.09	11.32	34.86	100	201	P	H
		5380.81	48.83	-25.17	74	39.88	32.94	11.03	35.02	100	93	P	V
		5465.05	48.13	-20.07	68.2	39.1	32.97	11.12	35.06	100	93	P	V
		5459.2	39.32	-14.68	54	30.29	32.98	11.11	35.06	100	93	A	V
	*	5710	108.11	-	-	98.24	33.54	11.29	34.96	100	93	P	V
	*	5710	100.91	-	-	91.04	33.54	11.29	34.96	100	93	A	V
		5872.5	51.42	-16.78	68.2	40.87	34.09	11.32	34.86	100	93	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	48.62	-25.38	74	52.61	39.06	18.17	61.22	100	271	P	H
		11420	42.03	-11.97	54	46.02	39.06	18.17	61.22	100	271	A	H
		17130	46.9	-21.3	68.2	44.12	38.06	22.94	58.22	-	-	P	H
		11420	47.15	-26.85	74	51.14	39.06	18.17	61.22	300	193	P	V
		11420	40.64	-13.36	54	44.63	39.06	18.17	61.22	300	193	A	V
		17130	46.45	-21.75	68.2	43.67	38.06	22.94	58.22	-	-	P	V
Remark	- No other spurious found. - All results are PASS against Peak and Average limit line. - The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



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

WIFI Ant. 0+1	Note	Frequency (MHz)	Level (dBμV/m)	Margin (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		5457.25	49.66	-24.34	74	40.62	32.99	11.11	35.06	100	206	P	H
		5469.34	48.94	-19.26	68.2	39.92	32.96	11.12	35.06	100	206	P	H
		5459.59	40.22	-13.78	54	31.19	32.98	11.11	35.06	100	206	A	H
	*	5690	104.06	-	-	94.34	33.42	11.27	34.97	100	206	P	H
	*	5690	98.25	-	-	88.53	33.42	11.27	34.97	100	206	A	H
		5874.7	51.8	-16.4	68.2	41.25	34.1	11.31	34.86	100	206	P	H
		5448.28	49.31	-24.69	74	40.25	33	11.11	35.05	100	289	P	V
		5465.44	49.73	-18.47	68.2	40.7	32.97	11.12	35.06	100	289	P	V
		5459.59	39.96	-14.04	54	30.93	32.98	11.11	35.06	100	289	A	V
	*	5690	104.82	-	-	95.1	33.42	11.27	34.97	100	289	P	V
	*	5690	97.67	-	-	87.95	33.42	11.27	34.97	100	289	A	V
		5861.5	51.38	-16.82	68.2	40.88	34.05	11.32	34.87	100	289	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 0+1	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		11380	46.77	-27.23	74	50.72	39.1	18.15	61.2	-	-	P	H
VHT80		17070	46.16	-22.04	68.2	43.54	38.12	22.91	58.41	-	-	P	H
CH 138		11380	46.65	-27.35	74	50.6	39.1	18.15	61.2	-	-	P	V
5690MHz		17070	46.37	-21.83	68.2	43.75	38.12	22.91	58.41	-	-	P	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.												

**Emission above 18GHz****5GHz WIFI 802.11ac VHT80 (SHF@ 1m)**

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz		39412	52.12	-21.88	74	39.27	45.38	24.02	56.55	-	-	P	H
802.11ac		39412	41.01	-12.99	54	28.16	45.38	24.02	56.55	-	-	A	H
VHT80		39398	51.26	-22.74	74	38.33	45.46	24.03	56.56	-	-	P	V
SHF		39398	41.1	-12.9	54	28.17	45.46	24.03	56.56	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		54.03	29.53	-10.47	40	47.76	12.63	1.31	32.17	-	-	P	H
		154.2	31.68	-11.82	43.5	45.14	16.65	2.11	32.22	-	-	P	H
		208.47	35.29	-8.21	43.5	50.28	15.01	2.33	32.33	-	-	P	H
		332.9	26.83	-19.17	46	35.88	19.72	2.9	31.67	-	-	P	H
		498.8	29.59	-16.41	46	34.82	23.7	3.54	32.47	-	-	P	H
		666.8	37.45	-8.55	46	38.83	26.38	4.07	31.83	-	-	P	H
		54.03	33.42	-6.58	40	51.65	12.63	1.31	32.17	-	-	P	V
		81.03	25.22	-14.78	40	42.7	13.24	1.61	32.33	-	-	P	V
		182.55	28.45	-15.05	43.5	43.59	14.67	2.21	32.02	-	-	P	V
		666.8	39.39	-6.61	46	40.77	26.38	4.07	31.83	-	-	P	V
		830.6	33.11	-12.89	46	31.97	28.16	4.57	31.59	-	-	P	V
		995.8	38.99	-15.01	54	34.17	30.26	5	30.44	-	-	P	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	Peak or Average
H/V	Horizontal or Vertical

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.	
0+1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a		5150	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
CH 36		5150	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H
5180MHz													

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)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 55.45(dBμV/m) – 74(dBμV/m)
 = -18.55(dB)

For Average Limit @ 5150MHz:

1. Level(dBμV/m)
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)
 = 43.54 (dBμV/m)
2. Margin (dB)
 = Level(dBμV/m) – Limit Line(dBμV/m)
 = 43.54 (dBμV/m) – 54(dBμV/m)
 = -10.46(dB)

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



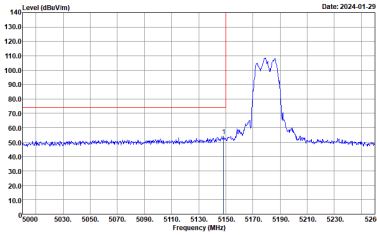
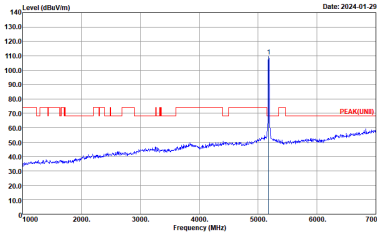
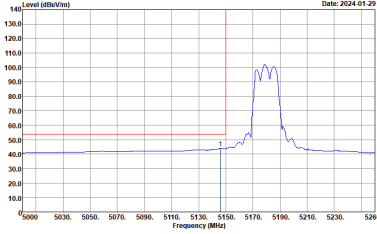
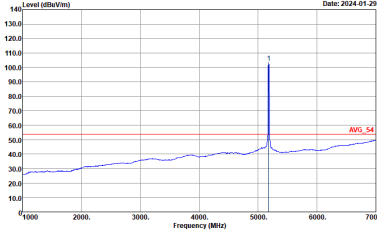
Appendix D. Radiated Spurious Emission Plots

Test Engineer :	Fu Chen, Yuan Lee, Sam Chou, and Troye Hsieh	Temperature :	18.1~20.7°C
		Relative Humidity :	42.7~65.5%

Note symbol

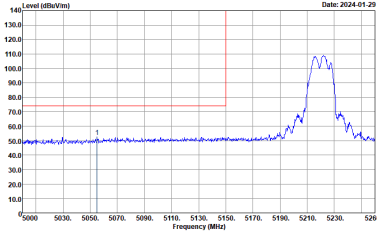
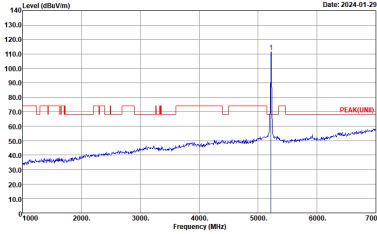
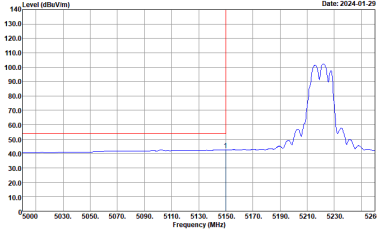
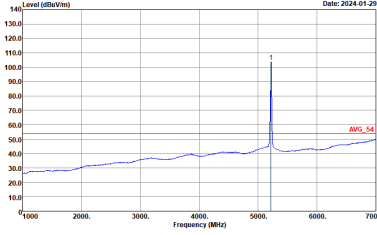
-L	Low channel location
-R	High channel location

Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

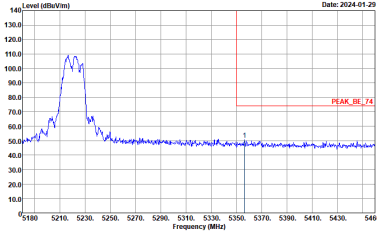
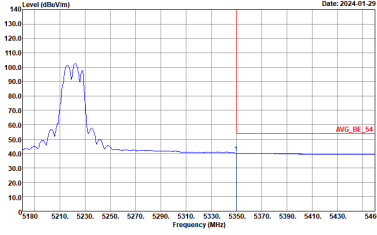
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(FUND) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

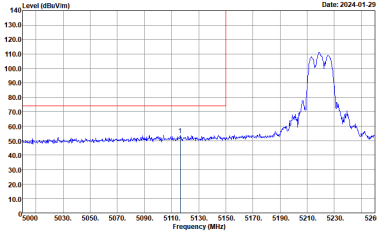
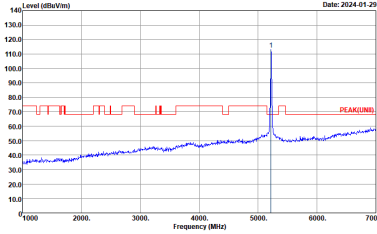
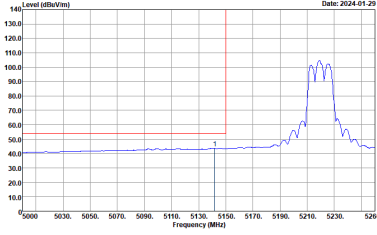
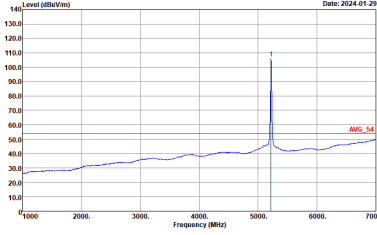


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

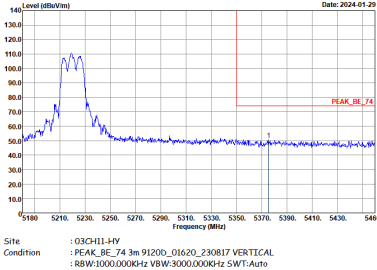
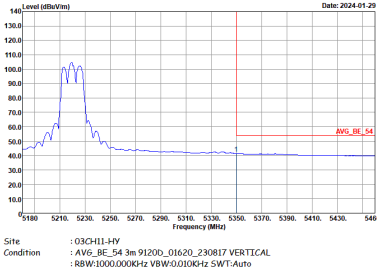
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

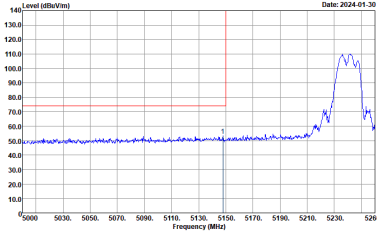
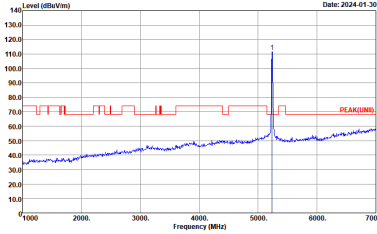
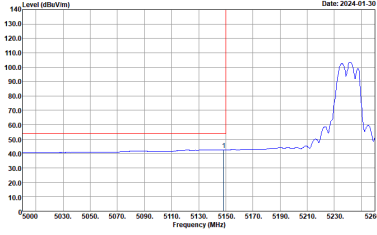
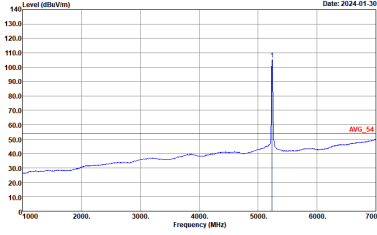


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

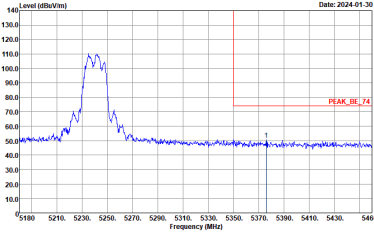
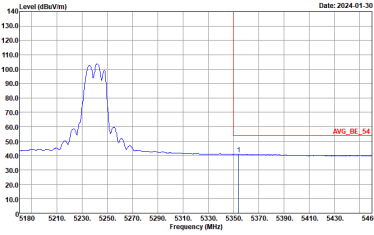
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

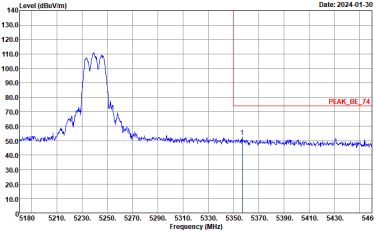
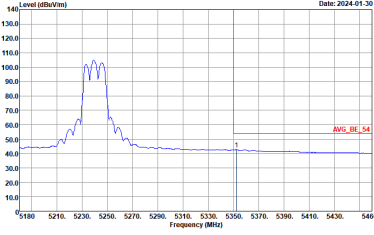


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



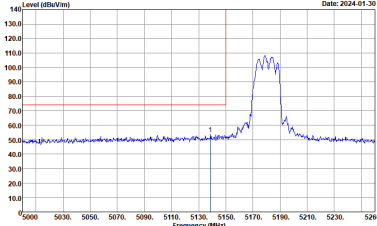
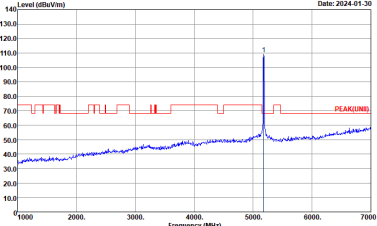
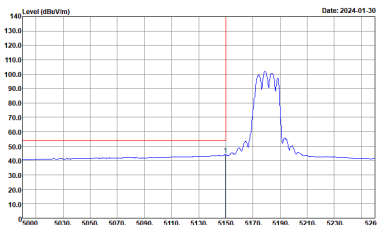
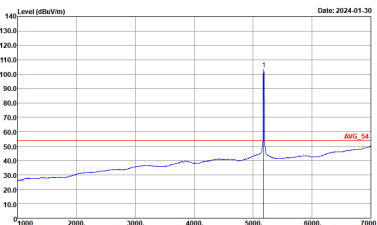
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



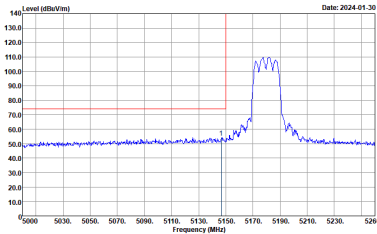
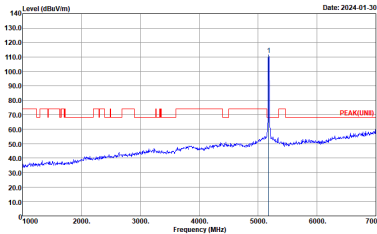
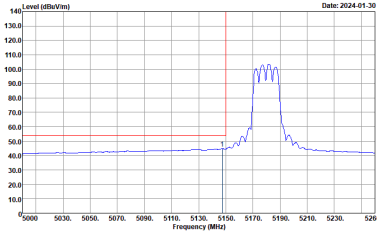
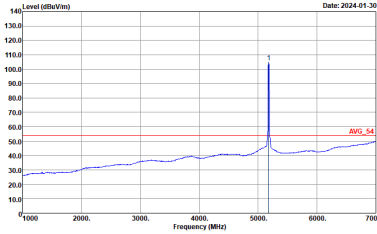
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

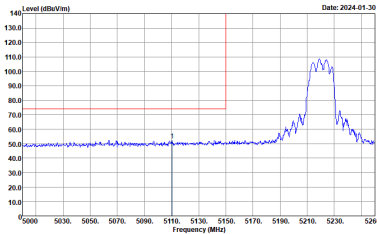
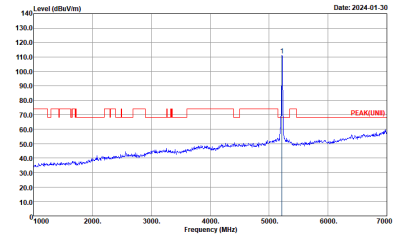
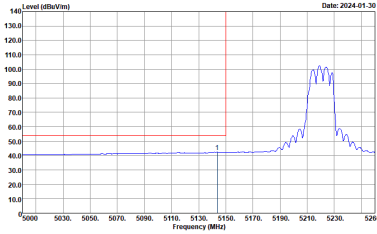
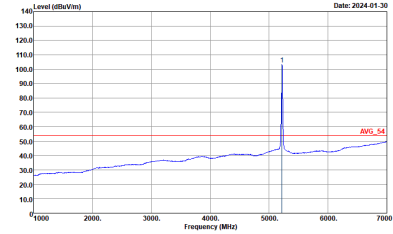


Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

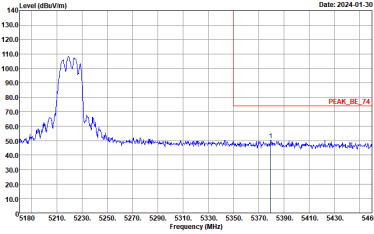
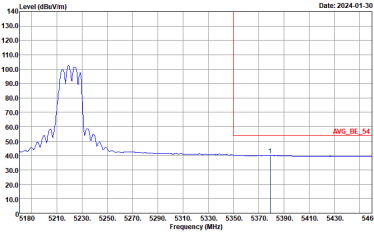
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

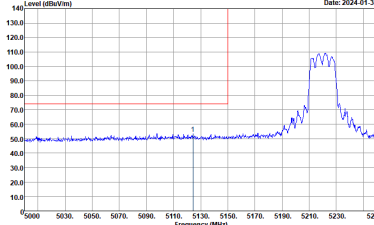
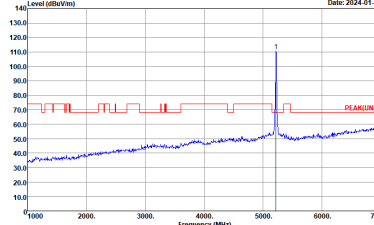
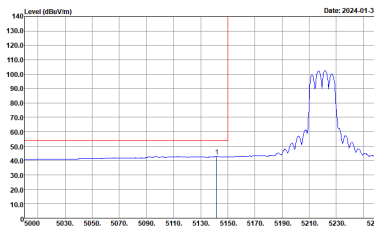
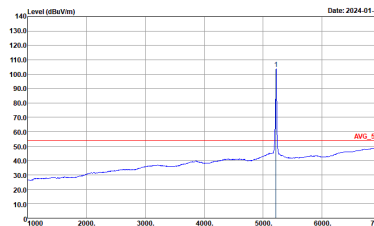


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

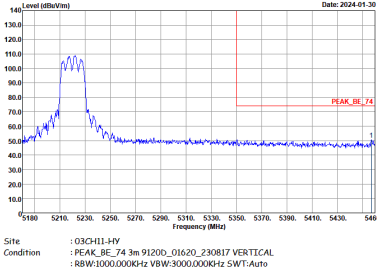
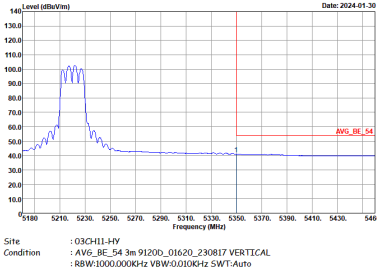
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



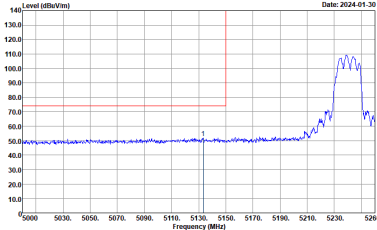
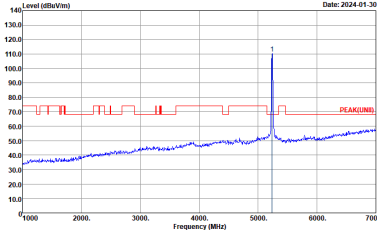
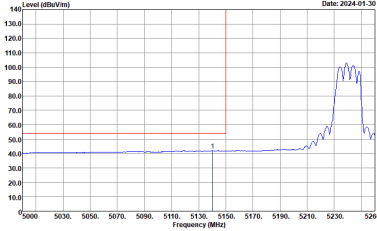
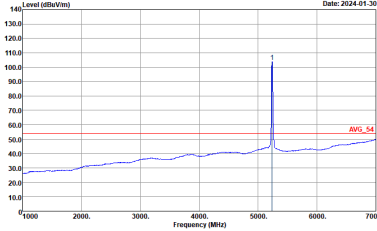
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

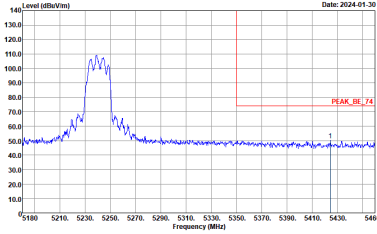
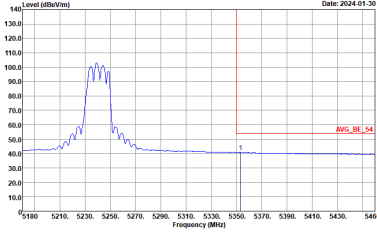


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

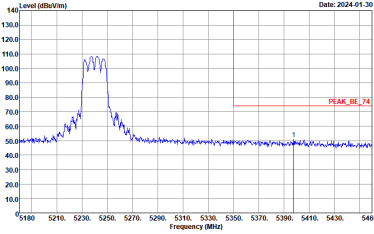
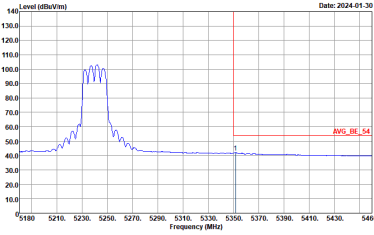


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

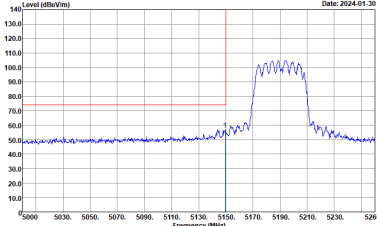
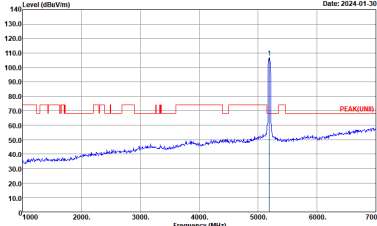
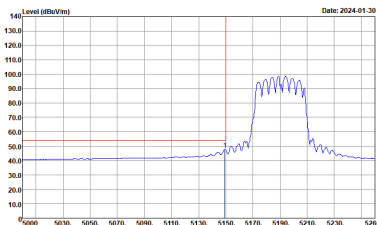
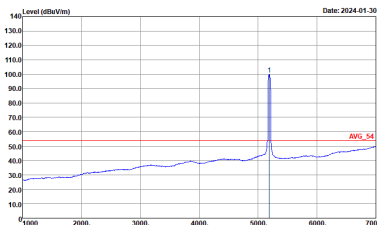


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
0+1	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

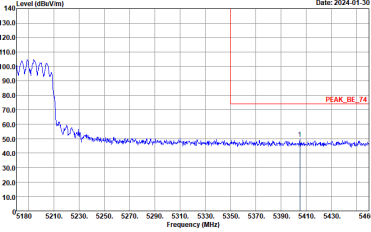
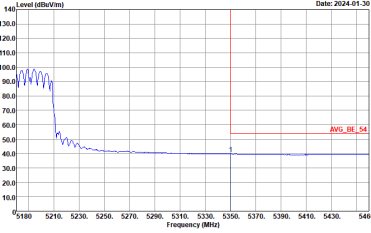


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

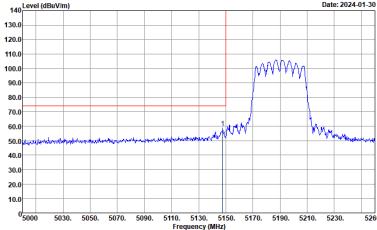
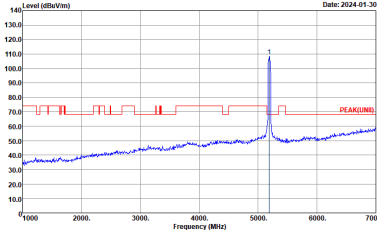
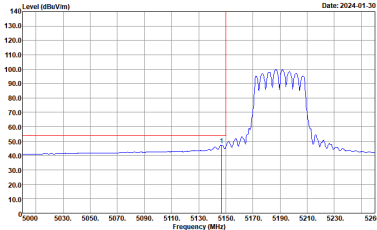
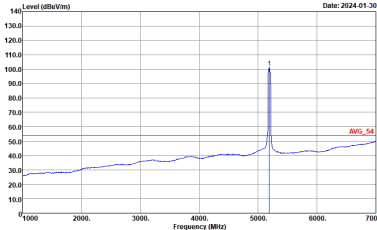
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

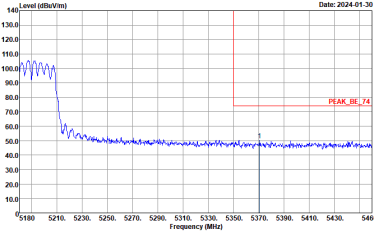
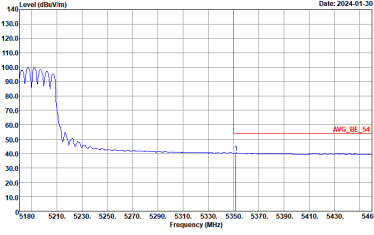


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

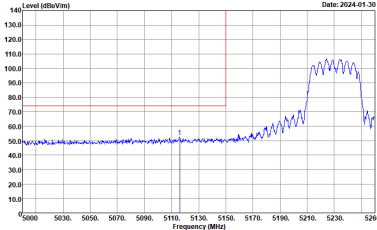
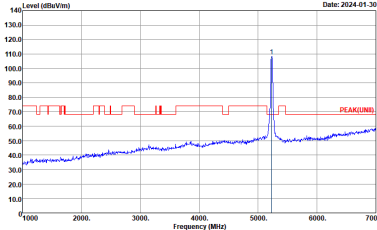
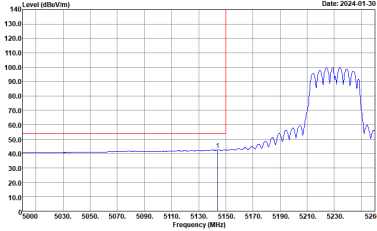
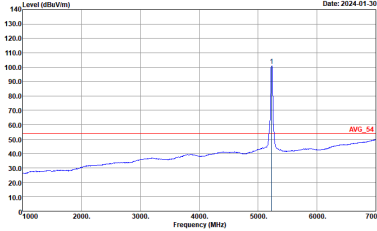


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

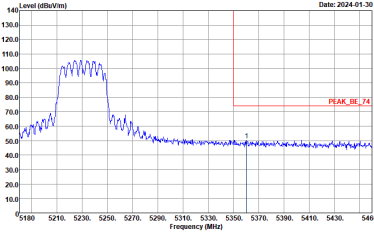
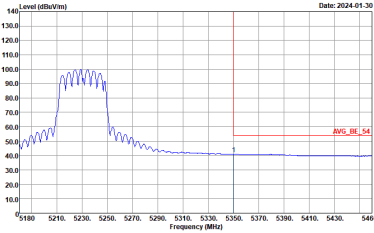


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

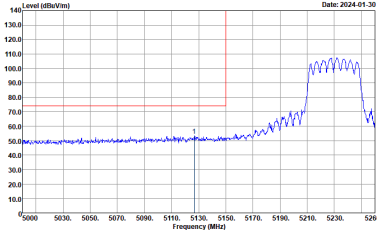
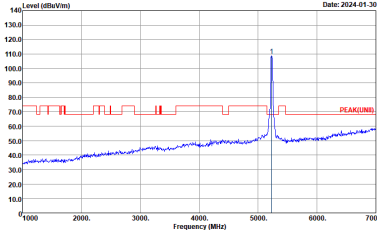
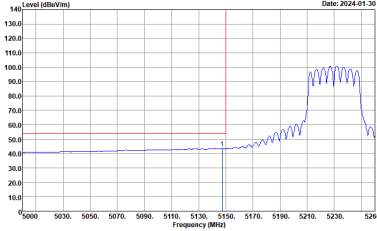
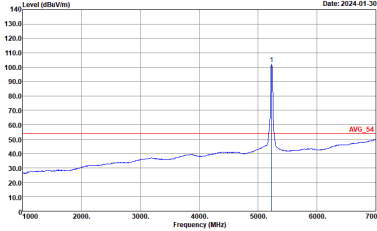


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

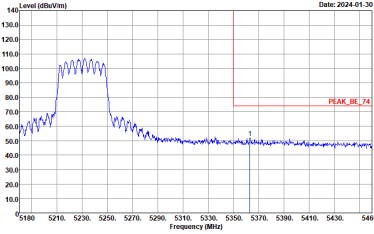
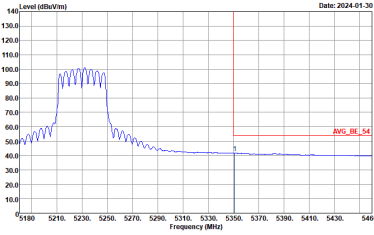


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

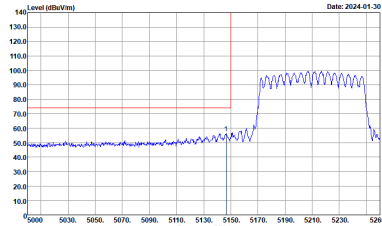
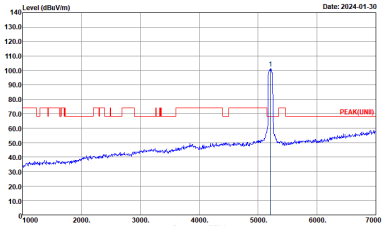
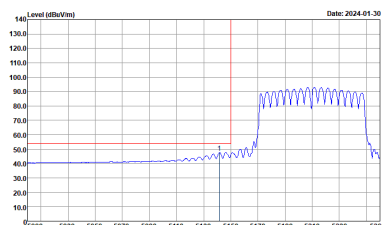
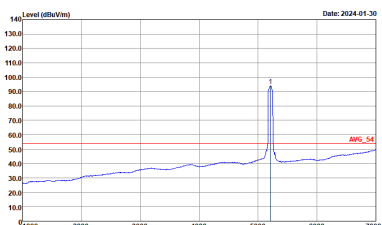


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

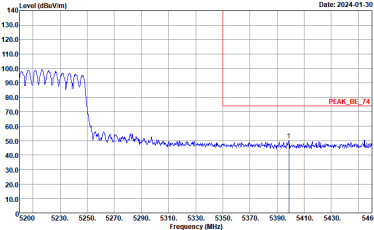
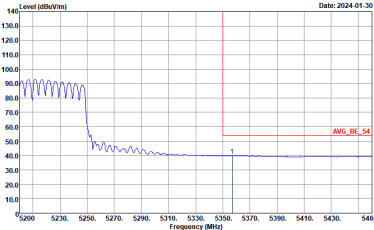


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

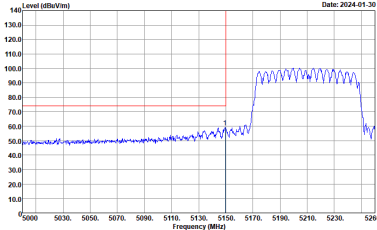
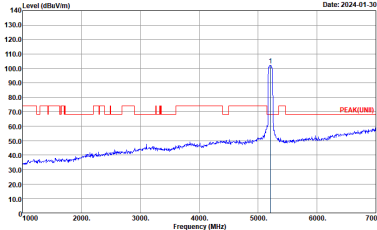
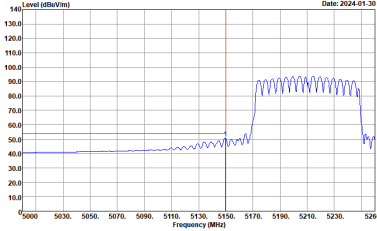
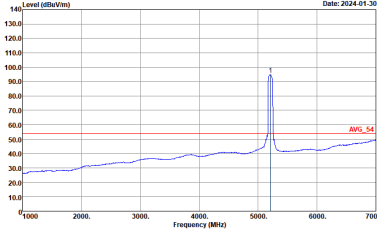
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

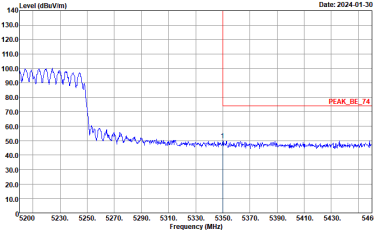
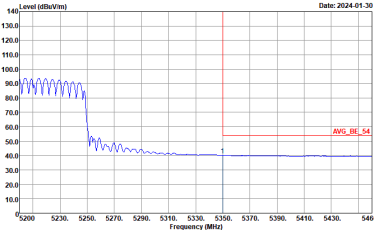


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



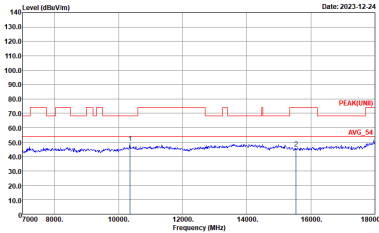
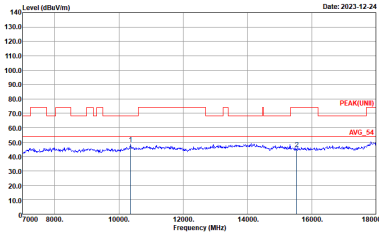
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



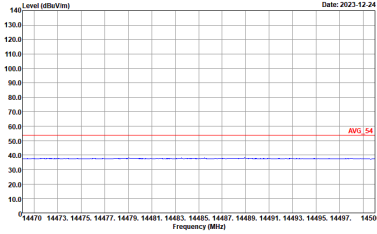
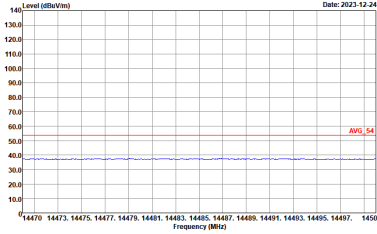
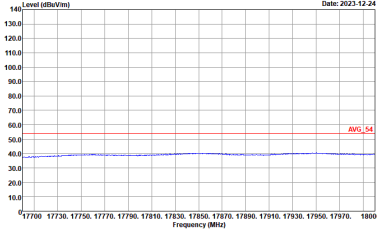
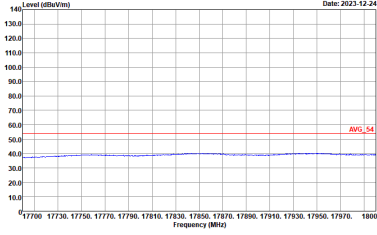
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank



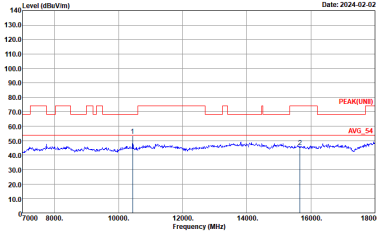
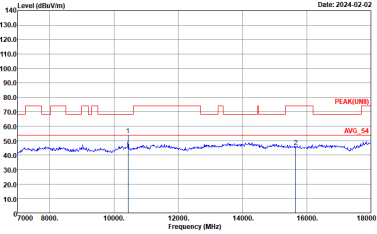
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :

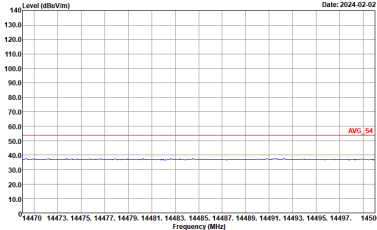
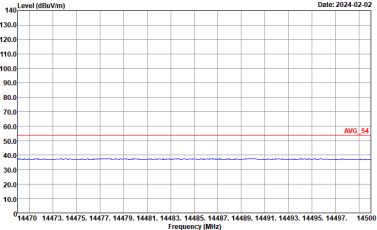
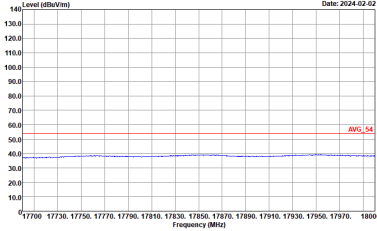
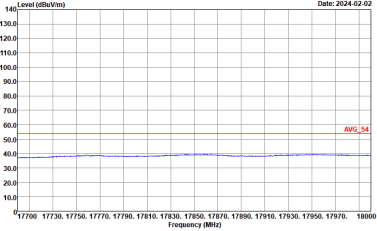


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL

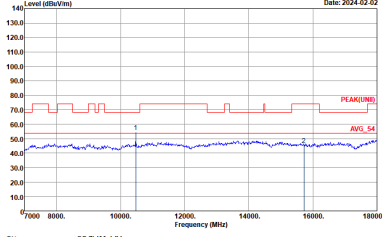
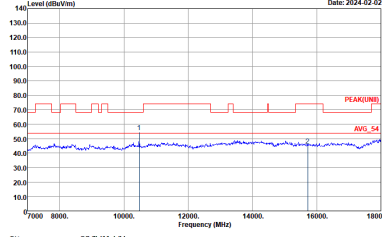


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



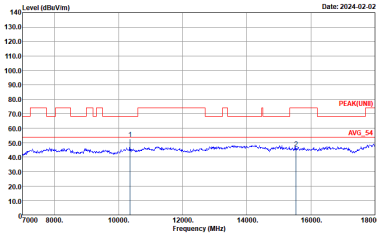
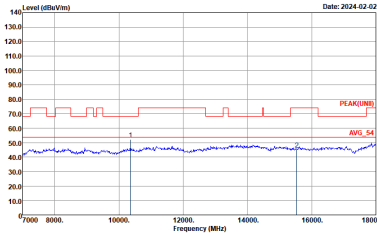
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



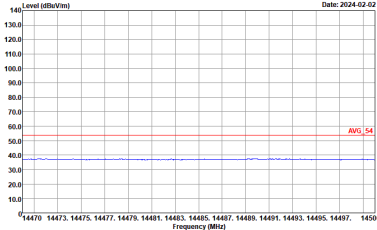
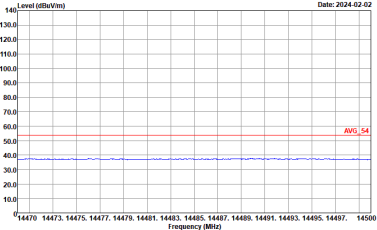
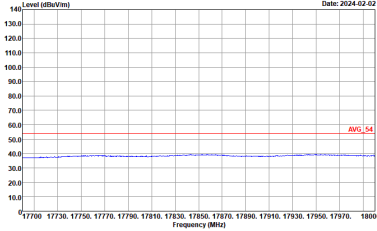
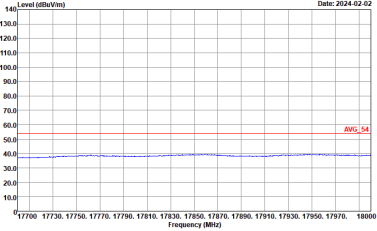
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_230817 HORIZONTAL	Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_230817 VERTICAL



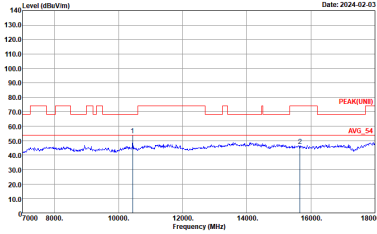
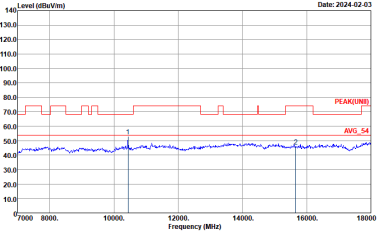
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :

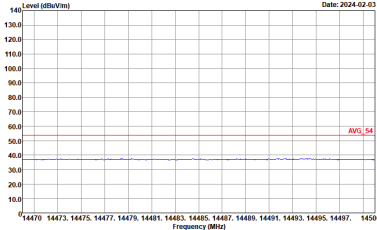
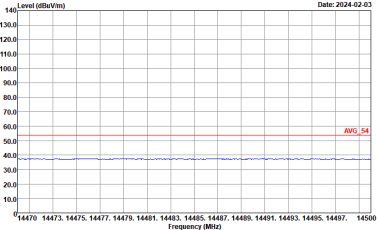
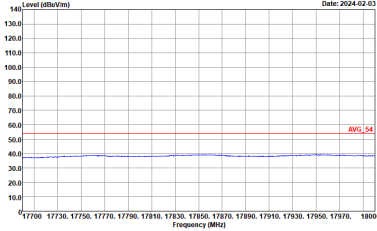
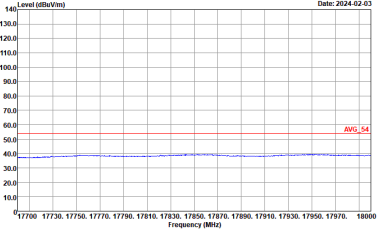


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL

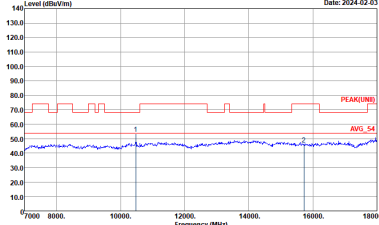
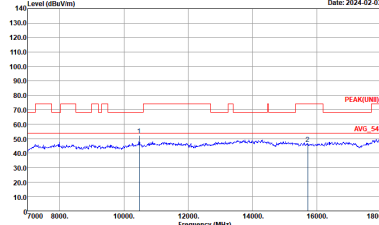


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



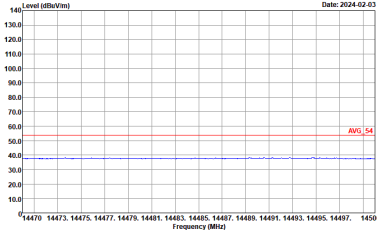
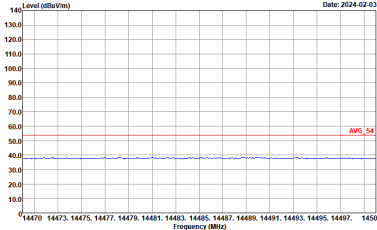
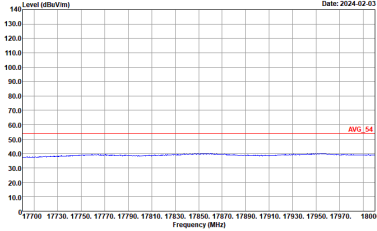
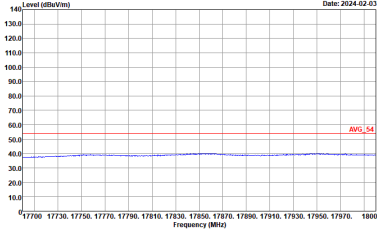
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



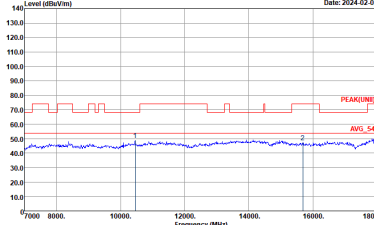
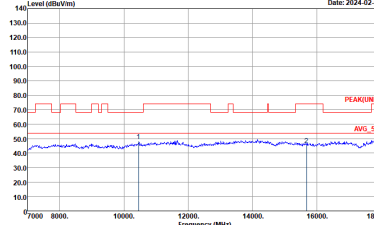
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
0+1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	Level (dBuV/m) Date: 2024-02-03 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL

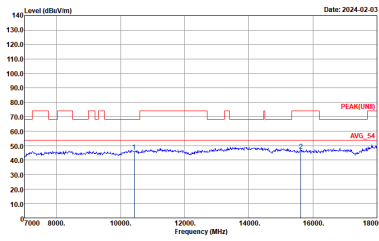
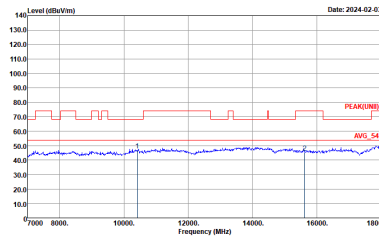


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL

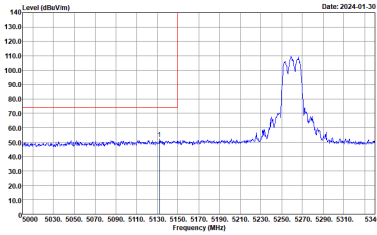
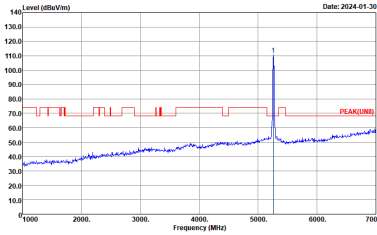
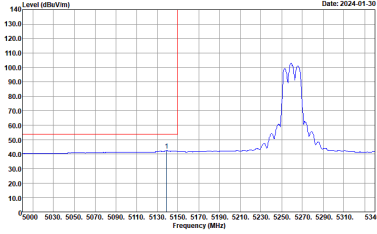
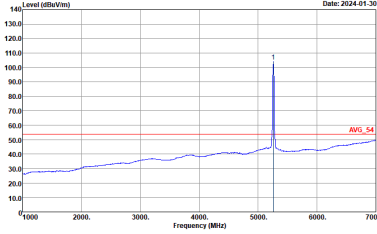
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK(UM) 3m 91200_01620_230817 HORIZONTAL .	 Site : 03CHI1-HY Condition : PEAK(UM) 3m 91200_01620_230817 VERTICAL .

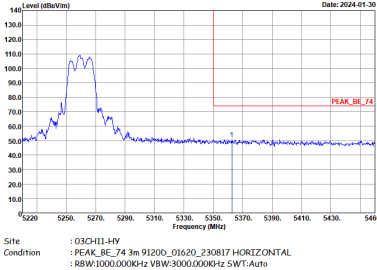
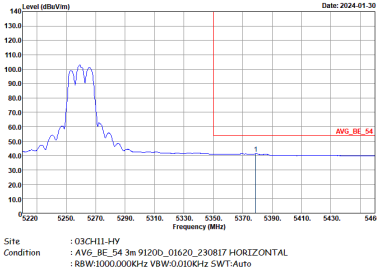


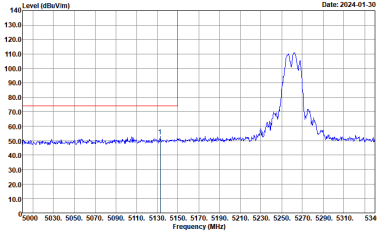
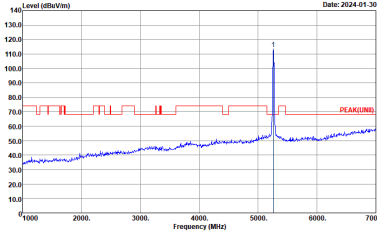
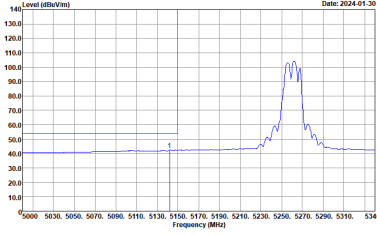
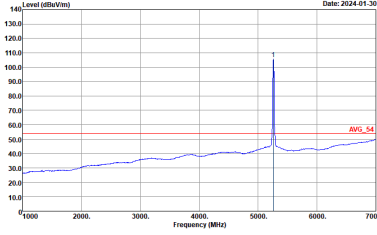
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Site : 03CHI1-HY Condition : AV6_54 3m 91200_01620_230817 HORIZONTAL	Site : 03CHI1-HY Condition : AV6_54 3m 91200_01620_230817 VERTICAL

Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

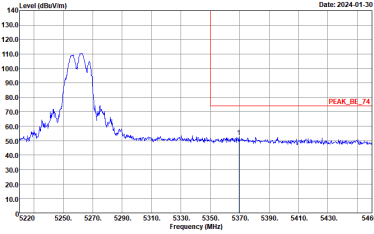
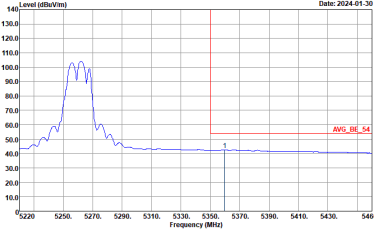
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(FUND) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



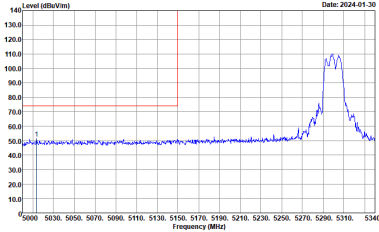
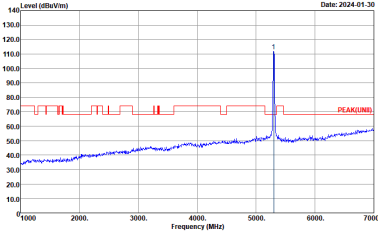
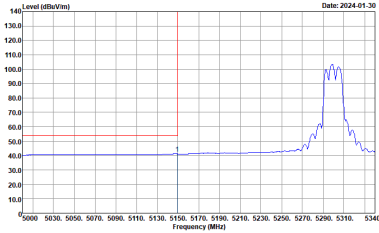
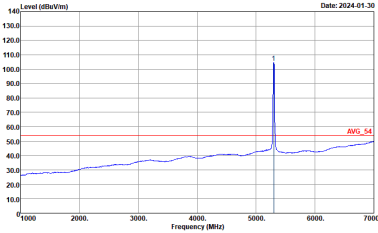
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

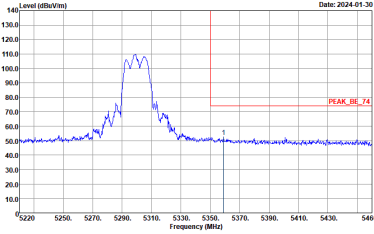
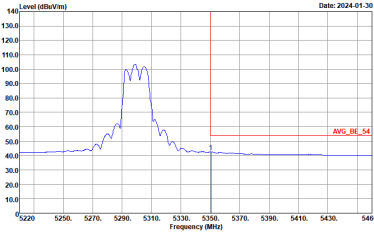


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

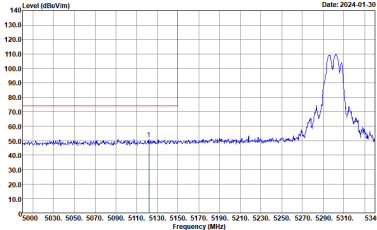
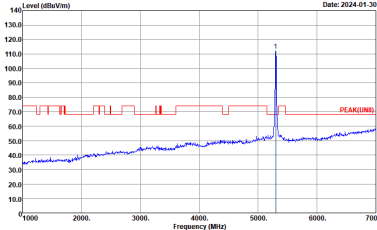
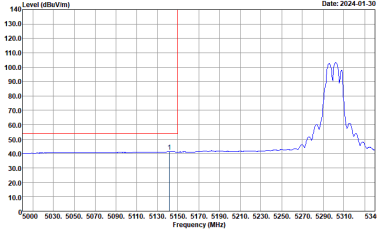
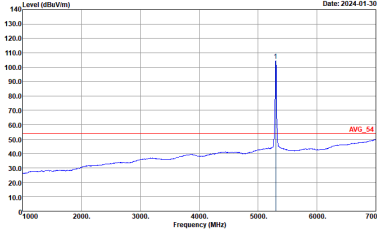


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

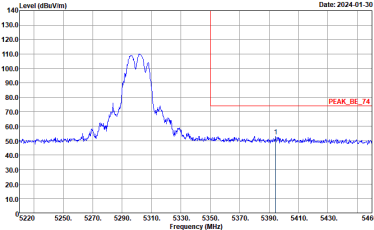
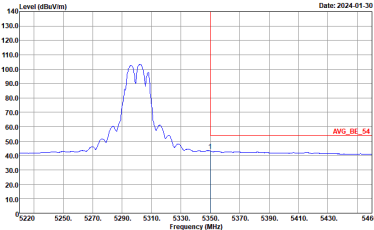


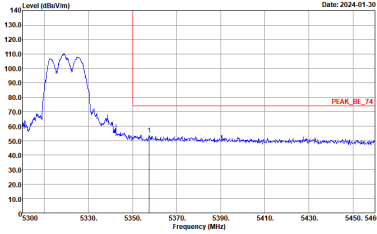
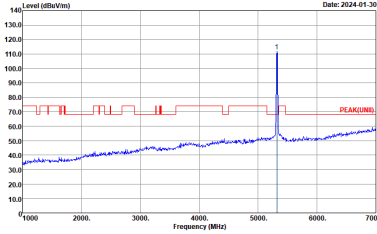
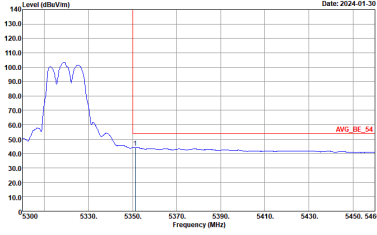
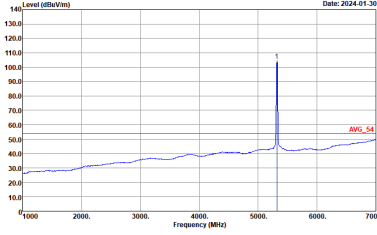
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

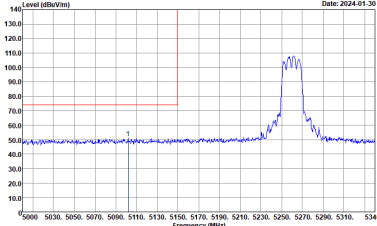
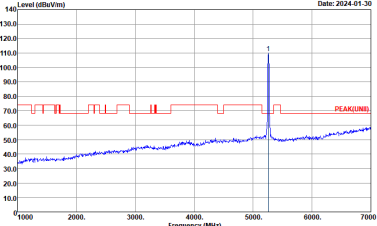
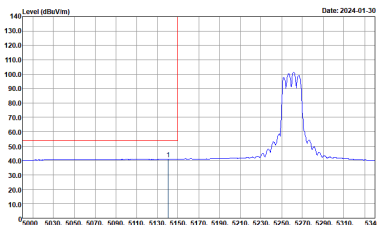
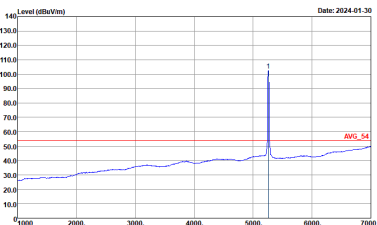
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



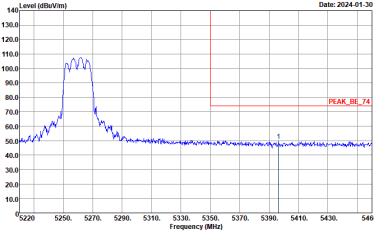
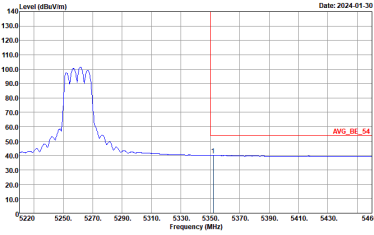
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

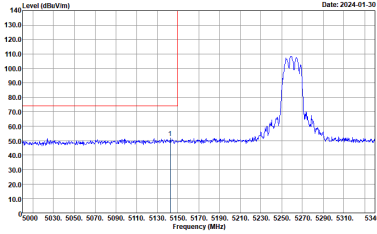
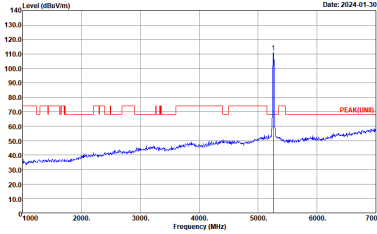
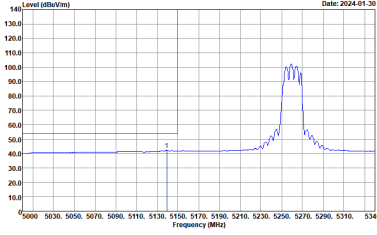
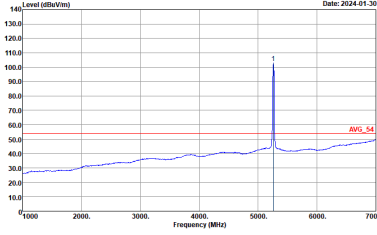


Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

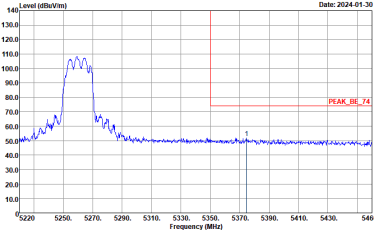
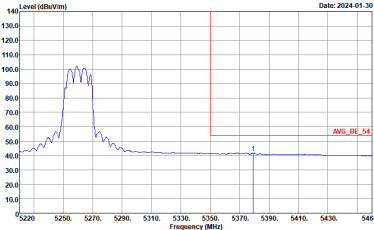
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		



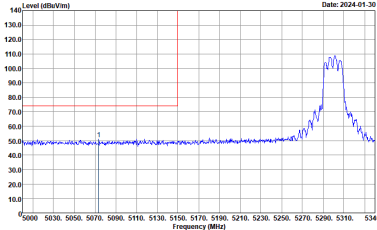
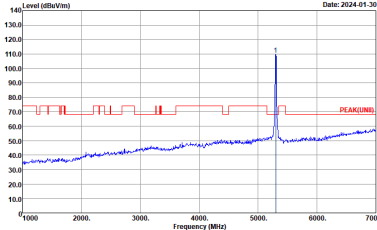
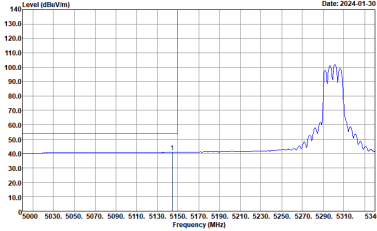
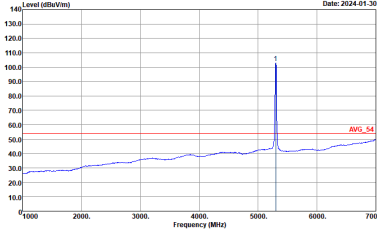
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.		

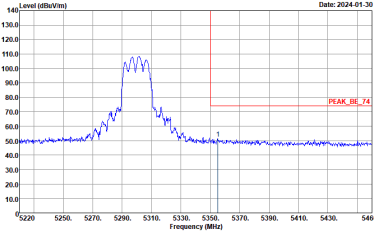
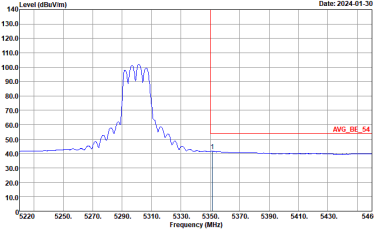


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

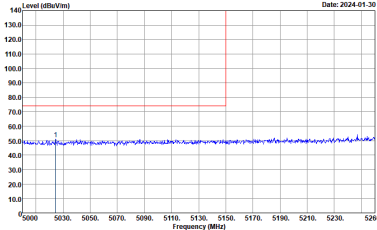
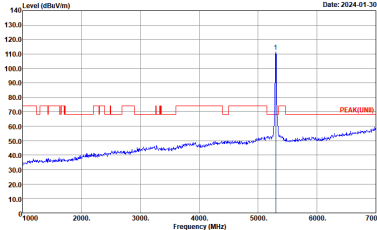
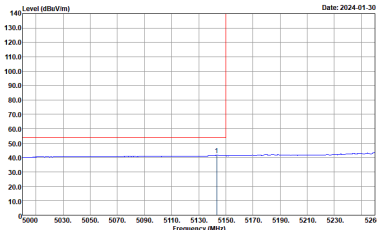
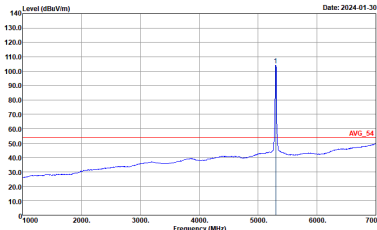


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

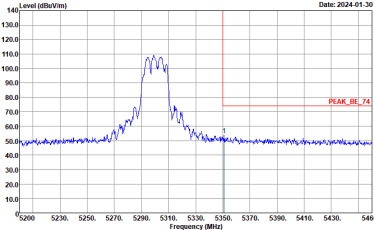
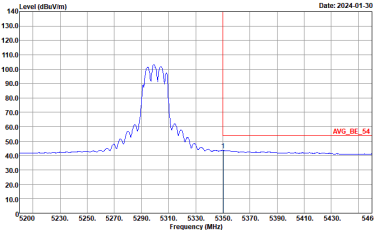


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
0+1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

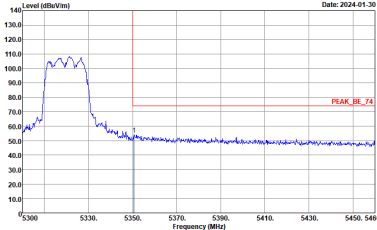
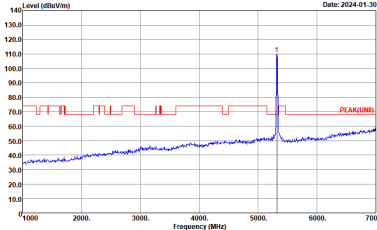
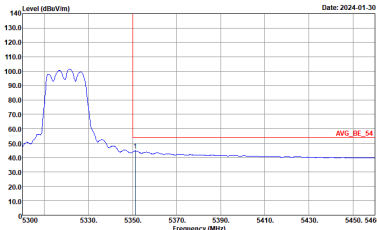
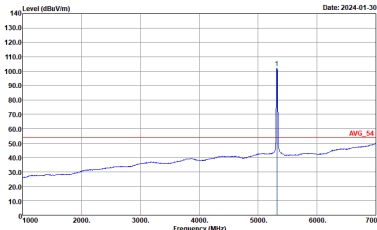


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

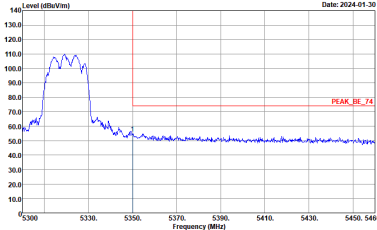
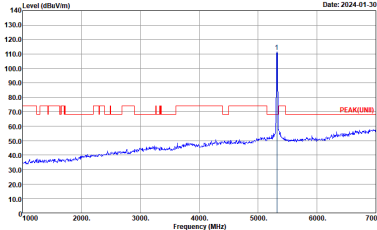
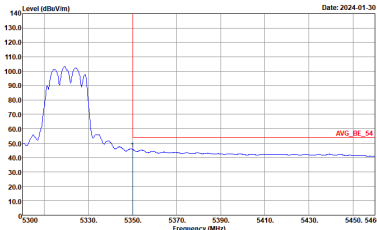
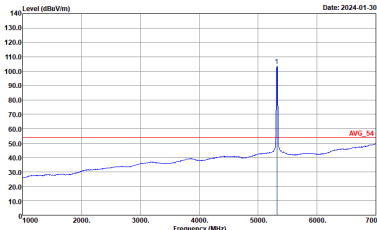


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

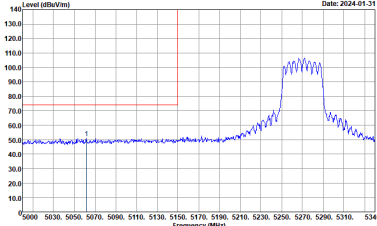
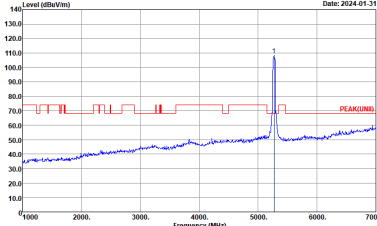
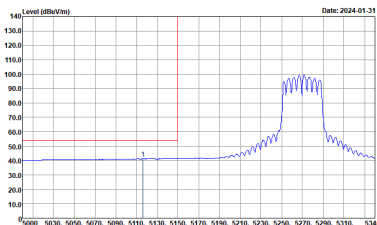
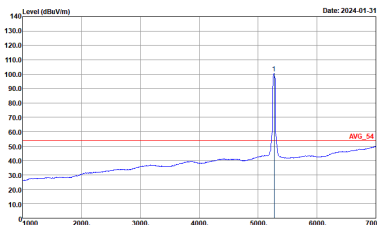


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

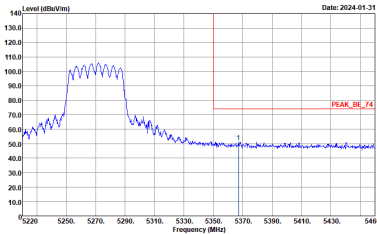
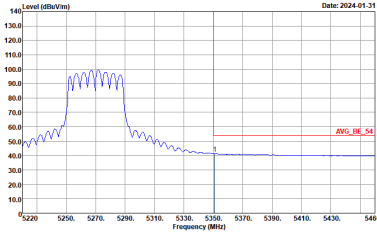


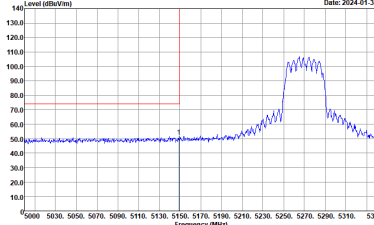
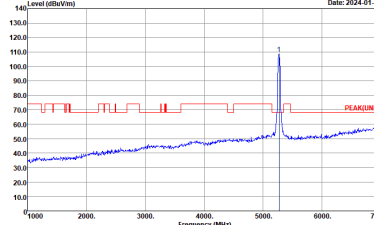
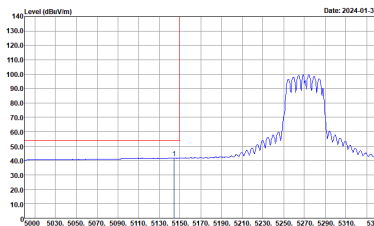
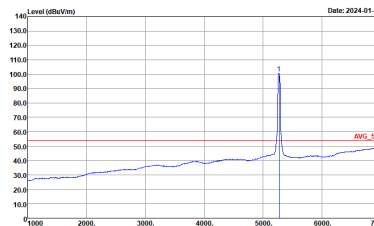
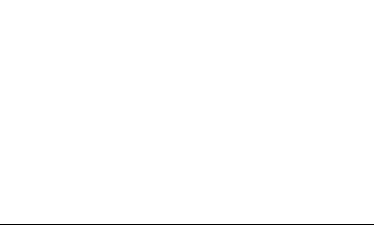
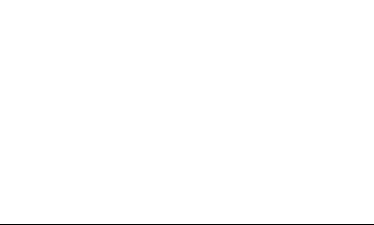
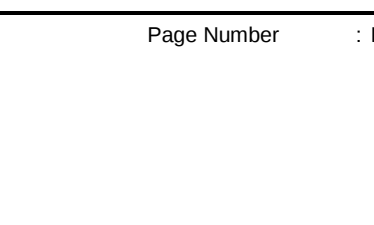
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

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

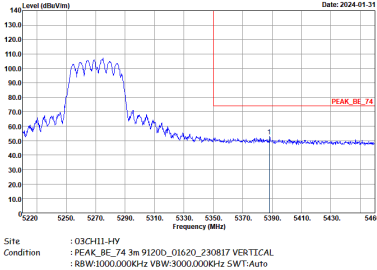
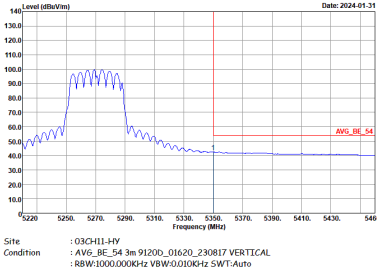
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

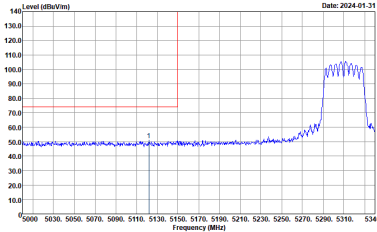
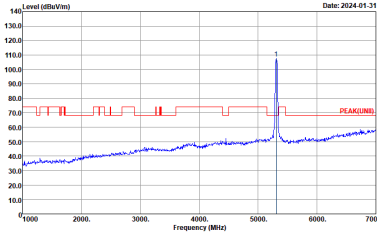
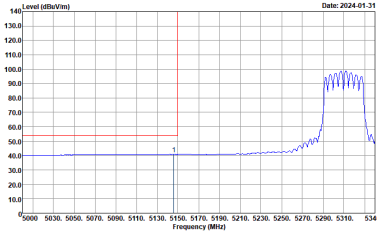
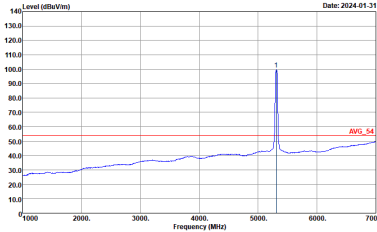


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

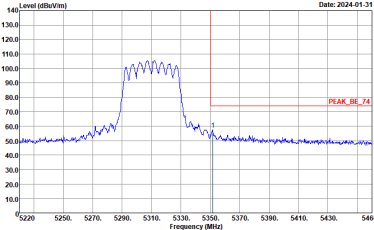
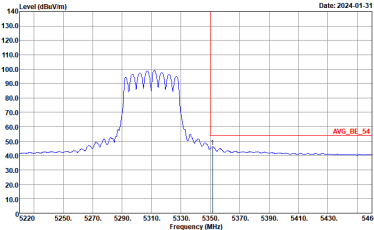
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - L	
0+1	Vertical	Vertical
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto



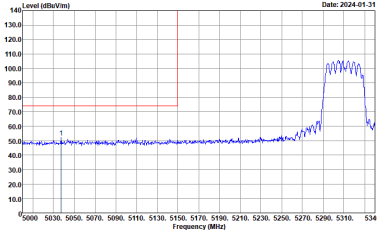
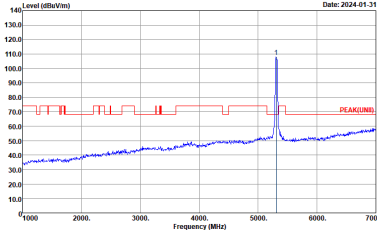
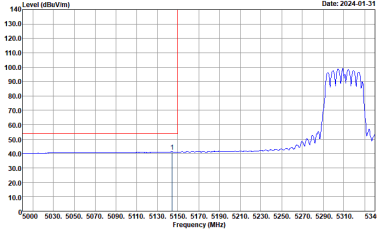
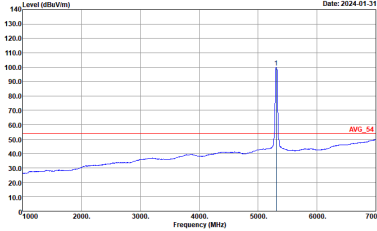
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270MHz - R	
0+1	Vertical	Vertical
Peak		Left blank
Avg.		Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

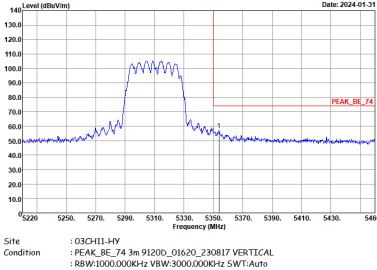
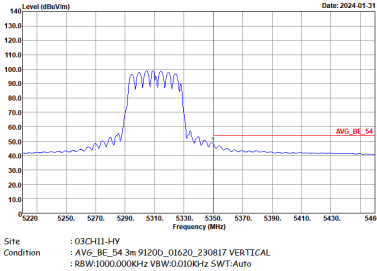


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
0+1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

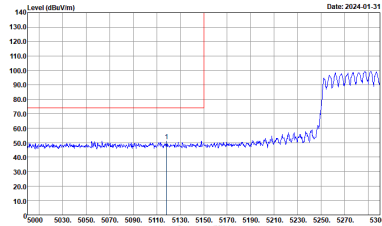
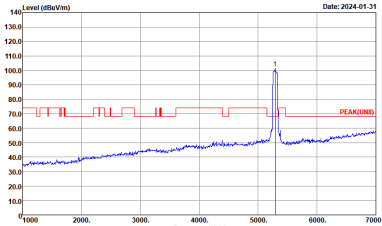
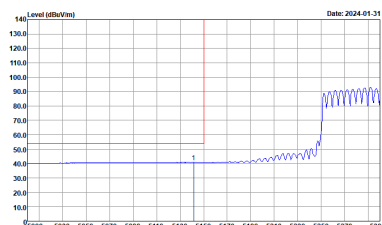
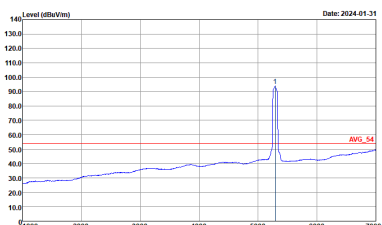


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

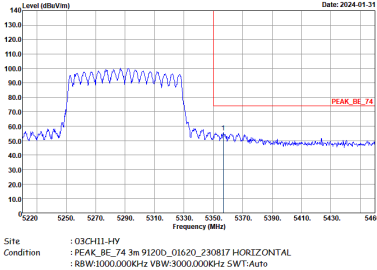
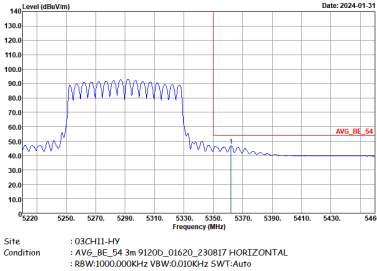


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310MHz - R	
0+1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

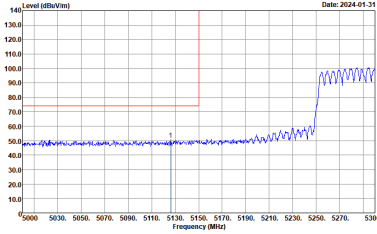
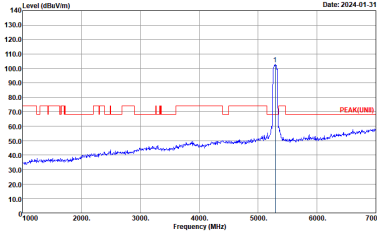
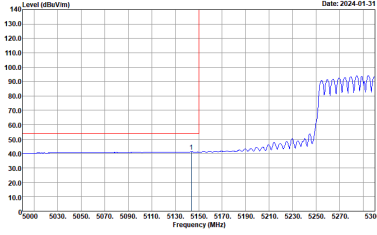
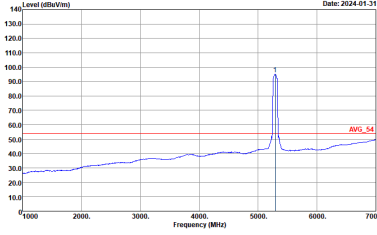
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
0+1	Horizontal	Fundamental
Peak	 Site : 03CHI1-I-Y Condition : PEAK_BE_74 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CHI1-I-Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CHI1-I-Y Condition : AVG_BE_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CHI1-I-Y Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

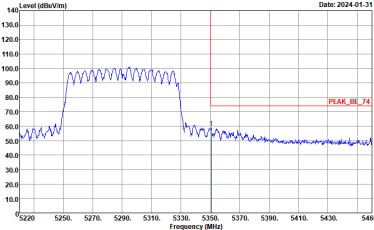
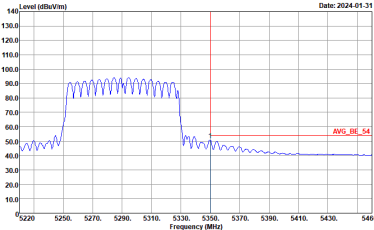


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
0+1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

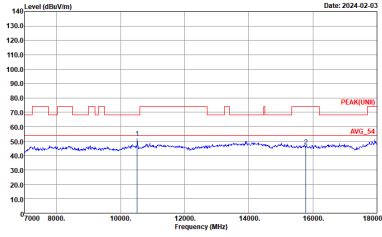
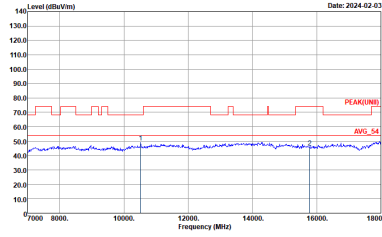


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto

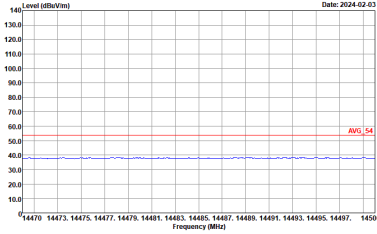
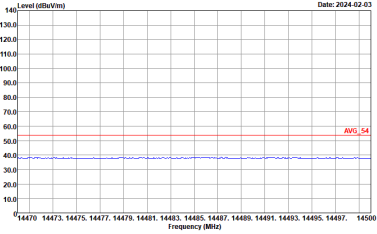
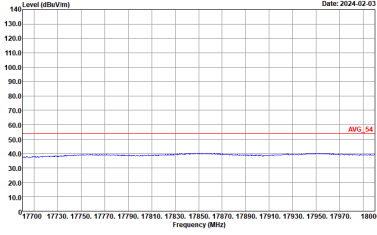
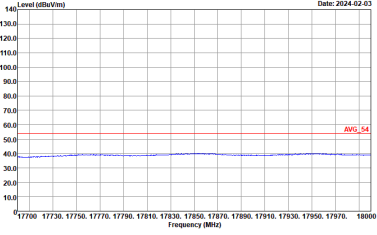


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
0+1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m 91200_01620_230817 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto	Left blank

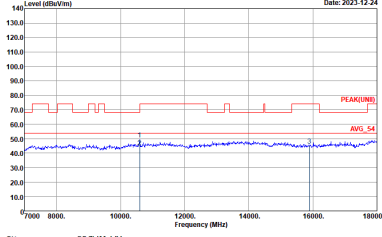
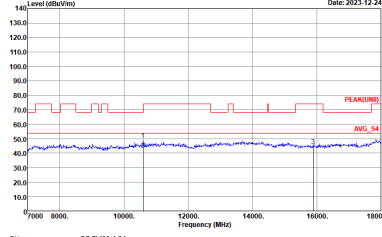
Band 2 - 5250~5350MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :

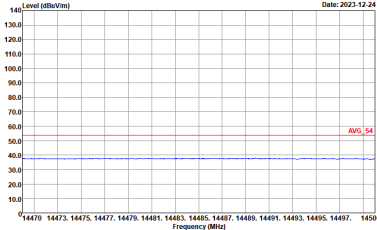
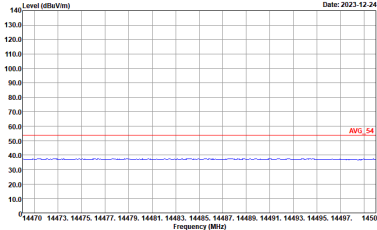
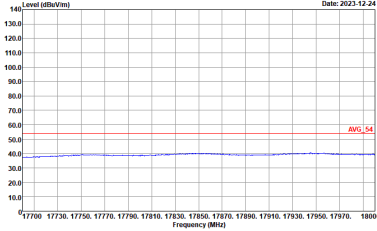
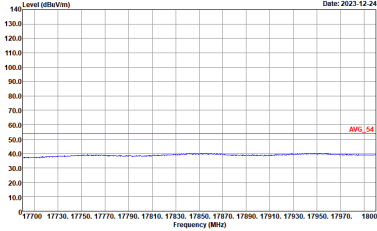


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL

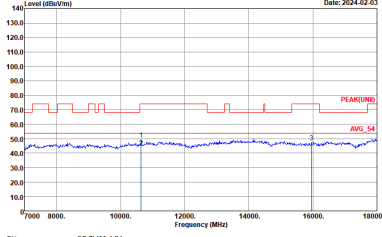
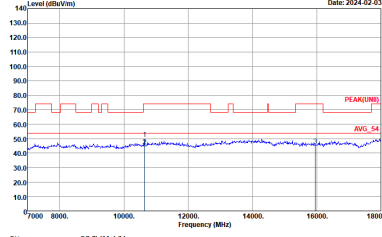


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :

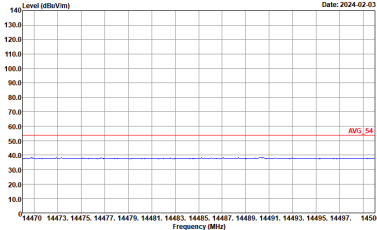
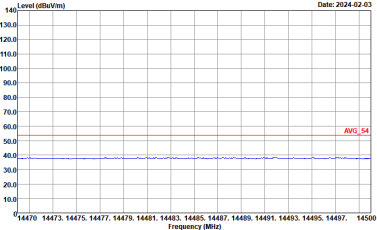
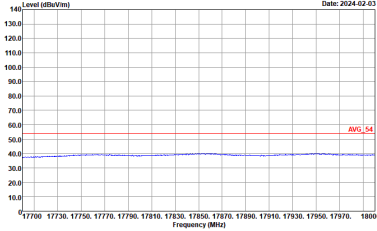
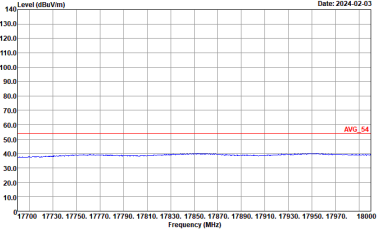


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



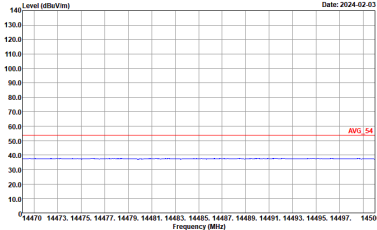
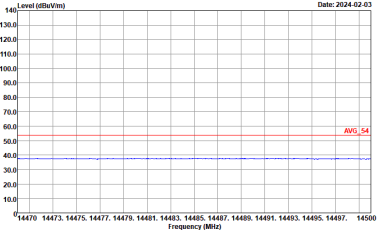
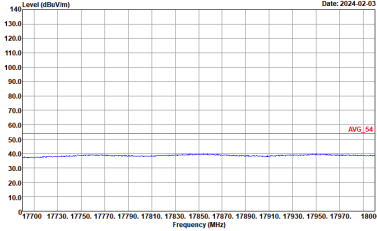
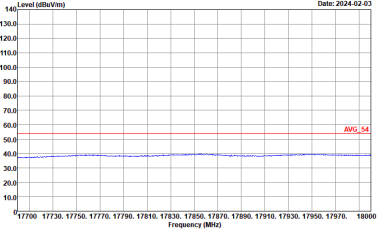
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL :
	 Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-HY Condition : AV6_54 3m 91200_01620_230817 VERTICAL :



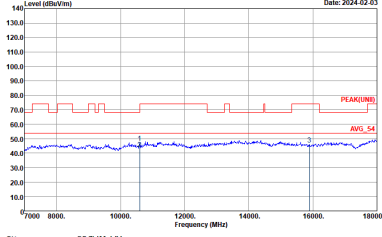
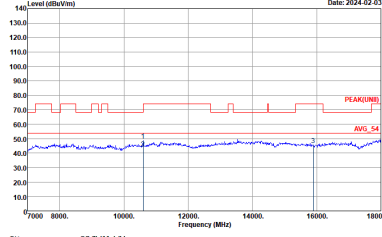
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
0+1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	Level (dBuV/m) Date: 2024-02-03 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :

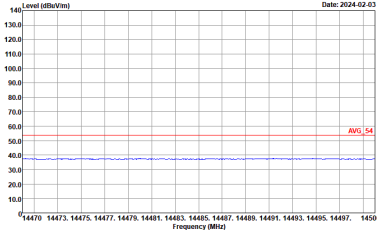
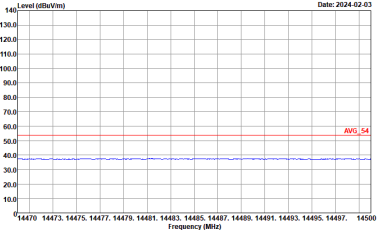
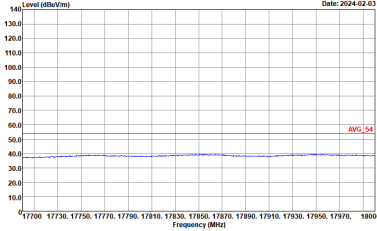
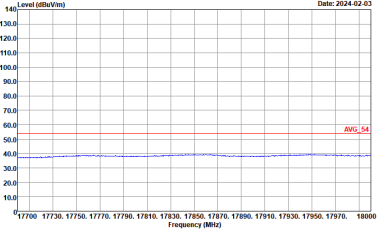


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL

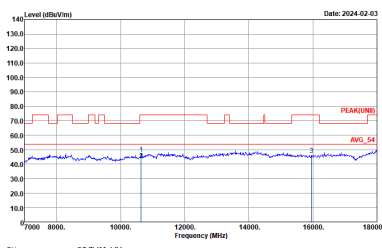
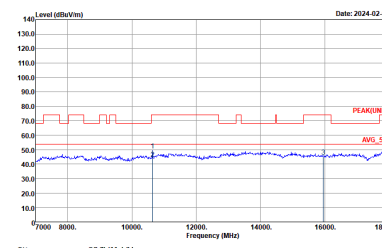


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



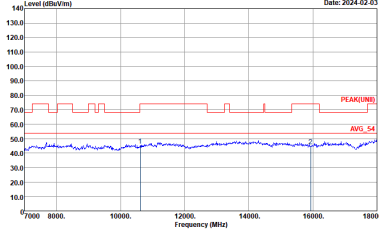
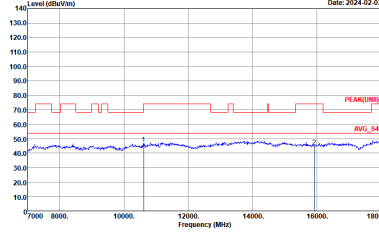
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
0+1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	Level (dBuV/m) Date: 2024-02-03 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



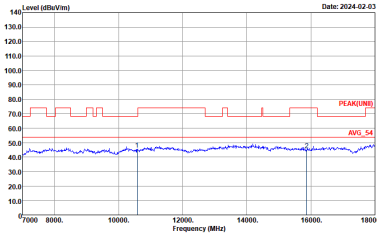
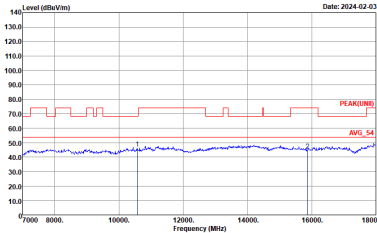
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CH11-14Y Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
0+1	Horizontal	Vertical
14.47G ~14.5G Avg.	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL
	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 HORIZONTAL	Level (dBuV/m) Date: 2024-02-03 Site : 03CH11-HY Condition : AVG_54 3m 91200_01620_230817 VERTICAL



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
0+1	Horizontal	Vertical
Peak Avg.	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 HORIZONTAL :	 Site : 03CHI1-HY Condition : PEAK(UNIT) 3m 91200_01620_230817 VERTICAL :