



FCC RADIO TEST REPORT

FCC ID : APYHRO00327
Equipment : Smart phone
Brand Name : SHARP
Model Name : APYHRO00327
Applicant : SHARP CORPORATION
1 Takumi-Cho, Sakai-Ku, Sakai-Shi, Osaka
590-8522, Japan
Manufacturer : SHARP CORPORATION
1 Takumi-Cho, Sakai-Ku, Sakai-Shi, Osaka
590-8522, Japan
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 14, 2023 and testing was performed from Mar. 31, 2023 to Apr. 25, 2023. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory

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



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 Modification of EUT	6
1.3 Testing Location	6
1.4 Applicable Standards.....	7
2 Test Configuration of Equipment Under Test	8
2.1 Carrier Frequency and Channel	8
2.2 Test Mode.....	9
2.3 Connection Diagram of Test System.....	11
2.4 Support Unit used in test configuration and system	11
2.5 EUT Operation Test Setup	11
2.6 Measurement Results Explanation Example.....	12
3 Test Result	13
3.1 26dB & 99% Occupied Bandwidth Measurement	13
3.2 Maximum Conducted Output Power Measurement	16
3.3 Power Spectral Density Measurement	18
3.4 Unwanted Emissions Measurement.....	22
3.5 AC Conducted Emission Measurement.....	27
3.6 Antenna Requirements.....	29
4 List of Measuring Equipment.....	30
5 Measurement Uncertainty	31
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	
Appendix F. Setup Photographs	



History of this test report

Report No.	Version	Description	Issue Date
FR322209E	01	Initial issue of report	May 11, 2023

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	3.24 dB under the limit at 5350.560 MHz
3.5	15.207	AC Conducted Emission	Pass	9.60 dB under the limit at 0.499 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture 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: Keven Cheng

Report Producer: Ming Chen



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, FM Receiver, NFC, and GNSS.
Antenna Type WWAN: <Ant. 0>: Monopole Antenna <Ant. 1>: PIFA Antenna <Ant. 2>: Monopole Antenna WLAN: Loop Antenna Bluetooth: Loop Antenna GPS / Glonass / BDS / Galileo: PIFA Antenna NFC: Loop Antenna FM: Using earphone as antenna

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

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

SKU List				
Item	Main		2nd Source	
	Main Sample		Sample 2	
	Vendor	Model Number	Vendor	Model Number
Battery	SCUD	BPSX1000010	UTL	BPSX300001S
Main PCB	Wuzhu	SB0SX31BW0C	ZDT	SB0SX31BK0C
CPU	MTK	SA06833V010 (MT6833V_NZA)	MTK	SA06833V010 (MT6833V_NZA)
G- sensor	Bosch	SA0MI320020(BMI320)	TDK	SA042670020(ICM-42670-N)
rear housing	DY	MESX361010A	LF	MESX361011A
FPC_USB	SUNFLEX	MESX114012A	PBH	MESX314004A
FPC_AJ	SUNFLEX	MESX114013A	PBH	MESX314003A
FPC_Main	SUNFLEX	MESX314002A	PBH	MESX314012A
FPC_SPK	AKM	MESX114005A	PBH	MESX314005A
FPC_Side_Key	SUNFLEX	MESX314001A	PBH	MESX314011A
Memory	SAMSUNG	KM5P9001DM-B424	SAMSUNG	KM5P9001DM-B424

SKU List				
Item	2nd Source			
	Sample 3		Sample 4	
	Vendor	Model Number	Vendor	Model Number
Battery	SCUD	BPSX1000010	SCUD	BPSX1000010
Main PCB	Wuzhu	SB0SX31BW0C	Wuzhu	SB0SX31BW0C
CPU	MTK	SA06833V011 (MT6833V_ZA)	MTK	SA06833V010 (MT6833V_NZA)
G- sensor	Bosch	SA0MI320020(BMI320)	Bosch	SA0MI320020(BMI320)
rear housing	DY	MESX361030A	DY	MESX361010A
FPC_USB	PBH	MESX314004A	PBH	MESX314004A
FPC_AJ	PBH	MESX314003A	PBH	MESX314003A
FPC_Main	SUNFLEX	MESX314002A	SUNFLEX	MESX314002A
FPC_SPK	AKM	MESX114005A	AKM	MESX114005A
FPC_Side_Key	SUNFLEX	MESX314001A	SUNFLEX	MESX314001A
Memory	SAMSUNG	KM5P9001DM-B424	Hynix	H9QG9G5AN6X154

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, 03CH23-HY

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

FCC designation No.: TW1190 and TW3786



1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42#	5210		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58#	5290		
Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106#	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700

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

Note:

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

2.2 Test Mode

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

The final test modes consider the modulation and the worst data rates as shown in the table below.

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + USB Cable (Charging from AC Adapter) + MPEG4 + Battery 1 for Main Sample
Remark: For Radiated Test Cases, the tests were performed with Battery 1 and Main Sample.	

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

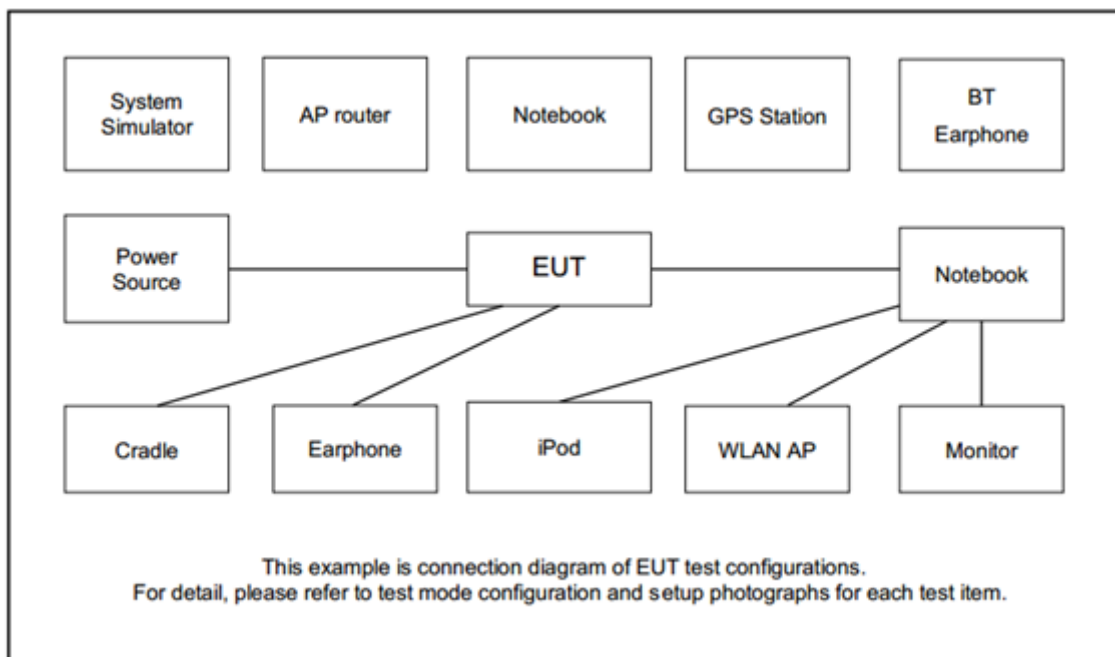
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11n HT20	802.11n HT20	802.11n HT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

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

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

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

2.5 EUT Operation Test Setup

The RF test items, utility “wifi FW version:2022-12-16-112901” 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.

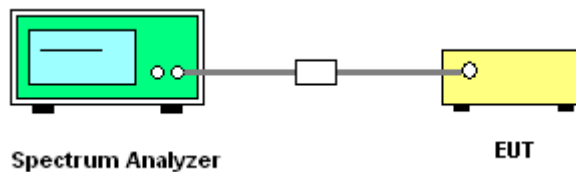
3.1.2 Measuring Instruments

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

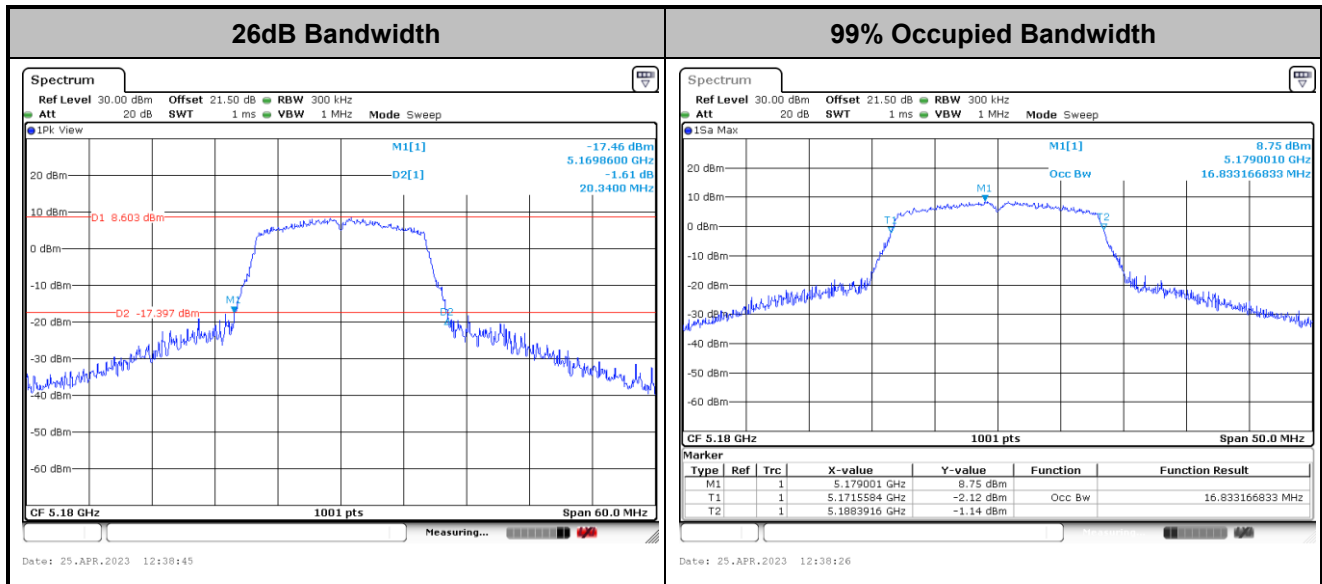


3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

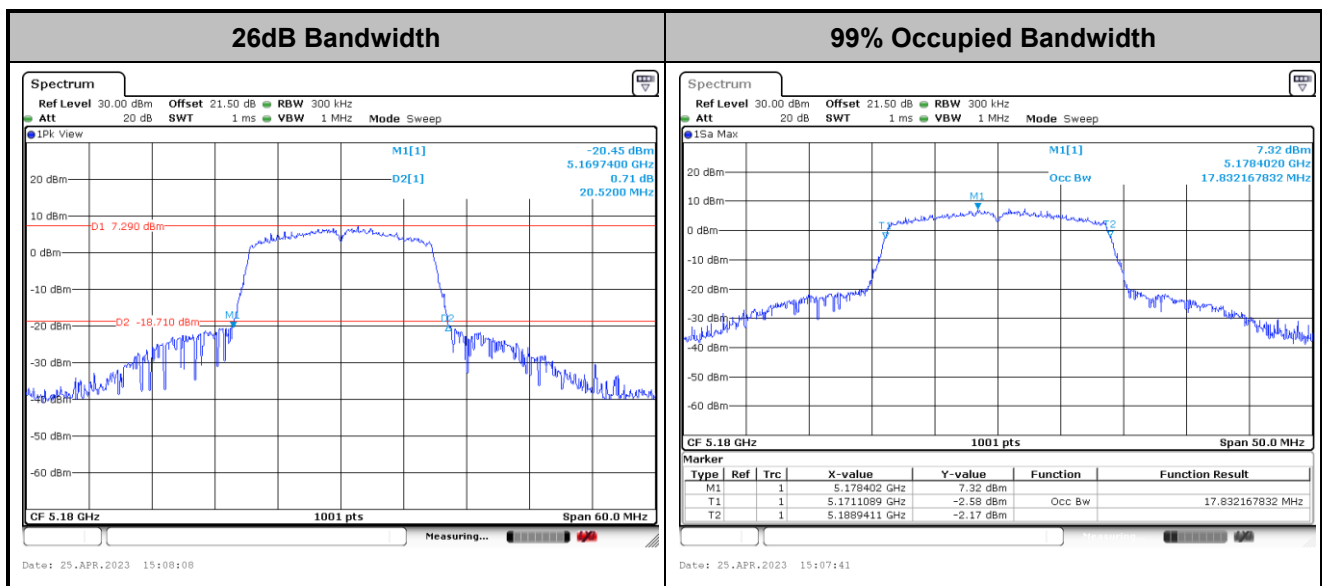


<802.11a>



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

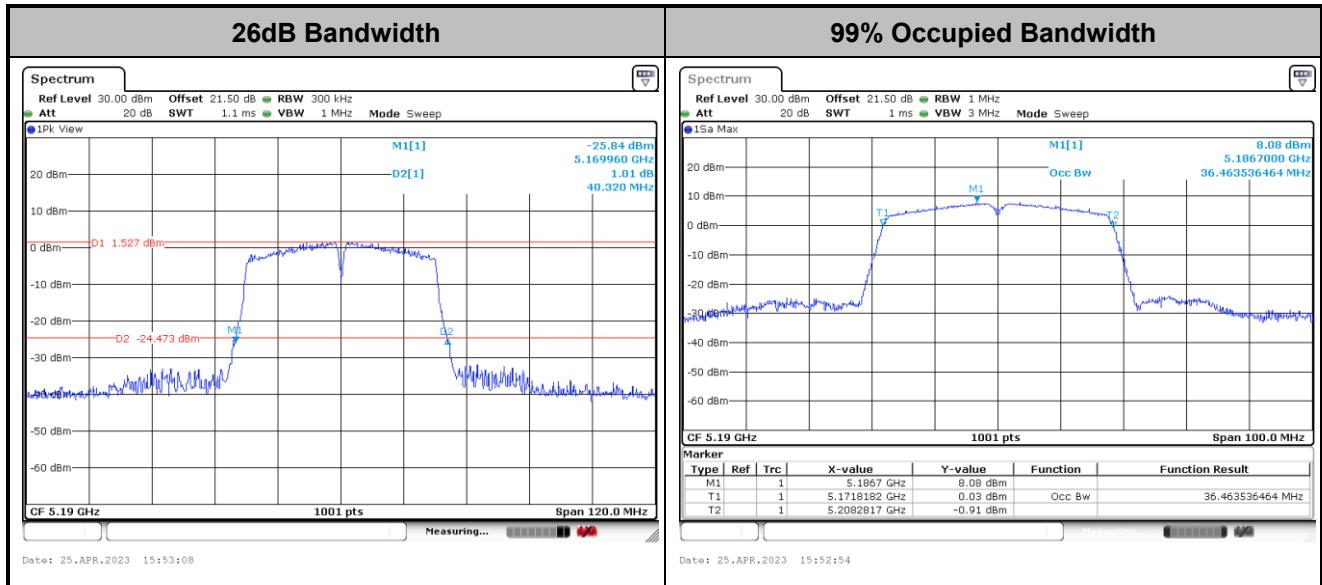
<802.11n HT20>



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

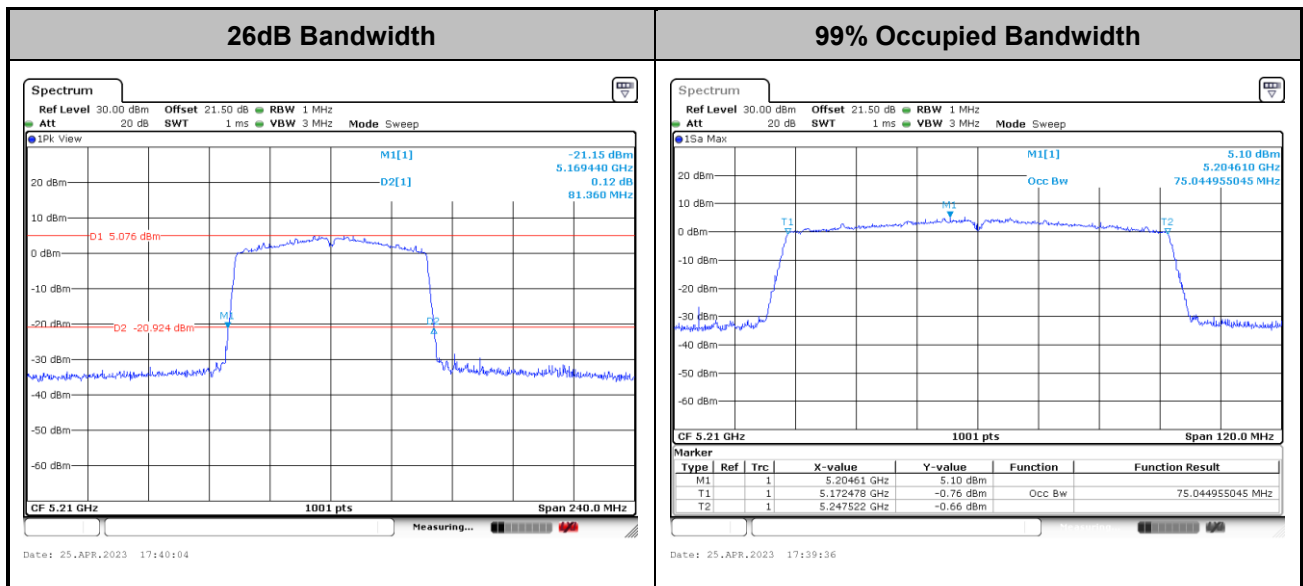


<802.11n HT40>



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.



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.

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

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

3.2.2 Measuring Instruments

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

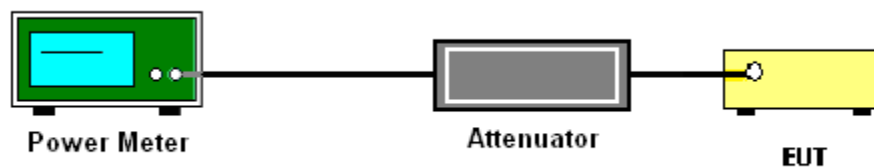
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.15–5.25 GHz bands:

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

For the 5.25–5.725 GHz bands:

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

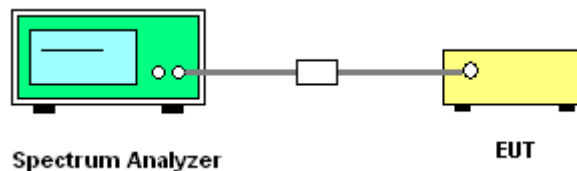
Section F) Maximum power spectral density.

Method SA-3

(power averaging (rms) detection with max hold):

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time $\leq$ (number of points in sweep) $\times$ T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Detector = power averaging (rms).
 - Trace mode = max hold.
 - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
1. The RF output of EUT is connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PSD and record it.

3.3.4 Test Setup

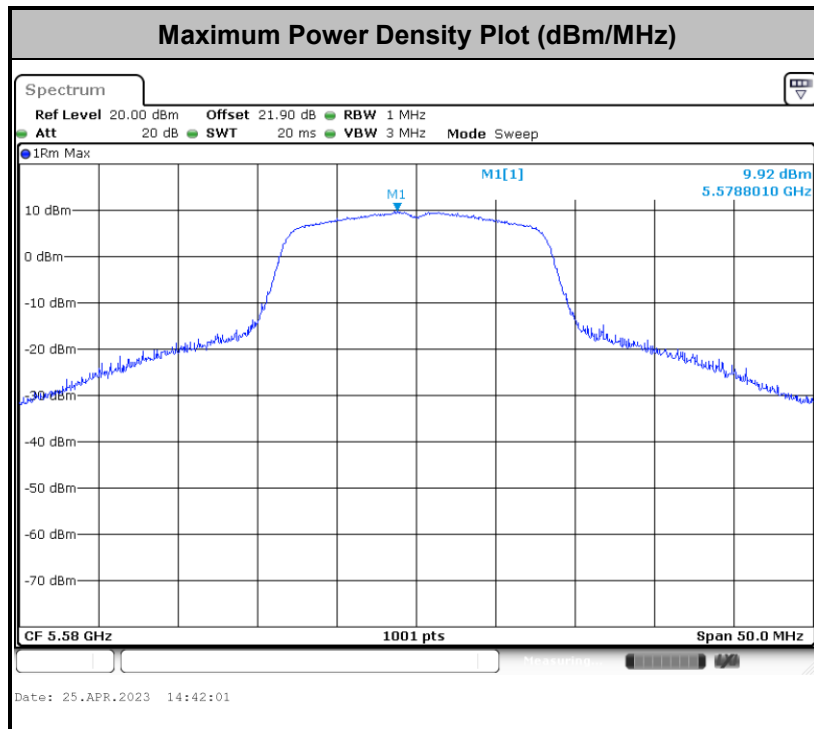


3.3.5 Test Result of Power Spectral Density

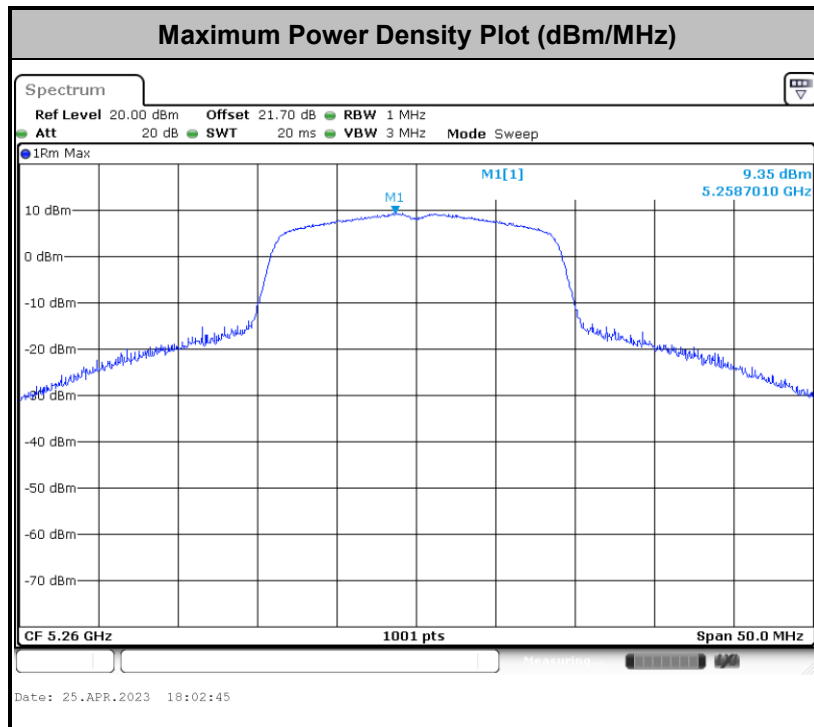
Please refer to Appendix A.



<802.11a>

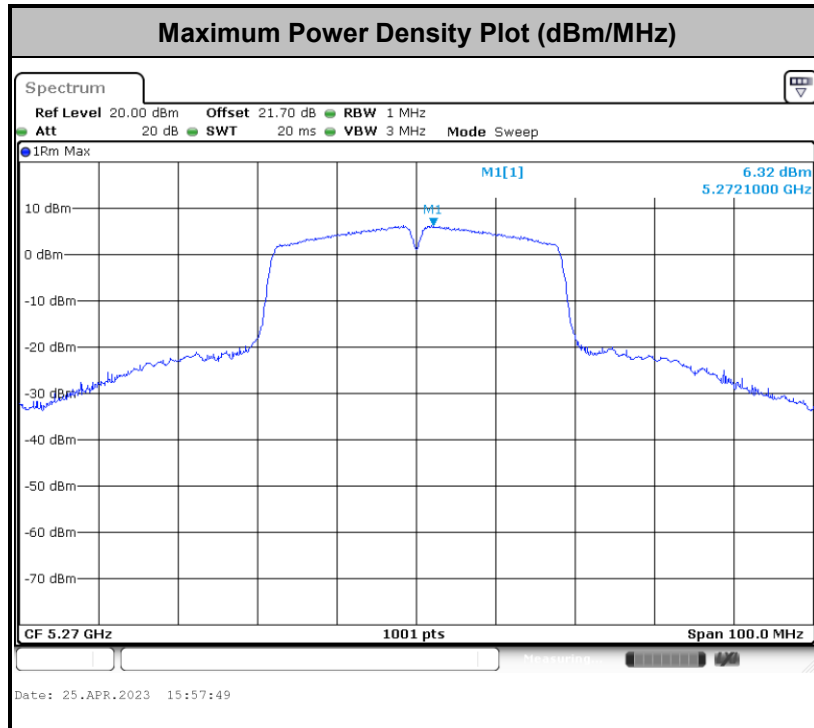


<802.11n HT20>

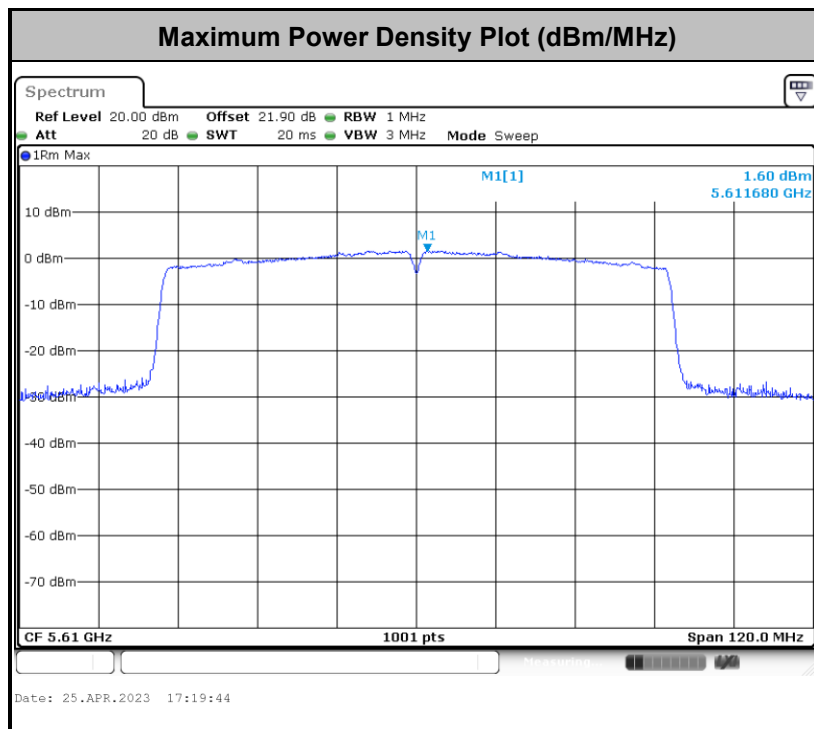




<802.11n HT40>



<802.11ac VHT80>



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

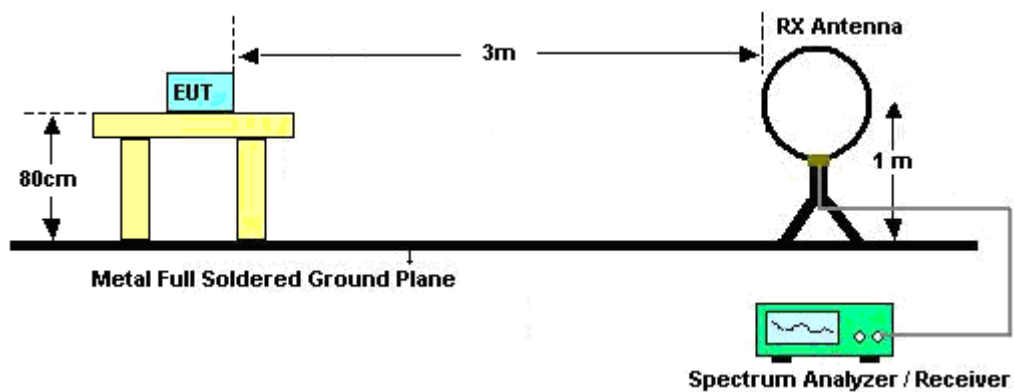
(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

- 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.

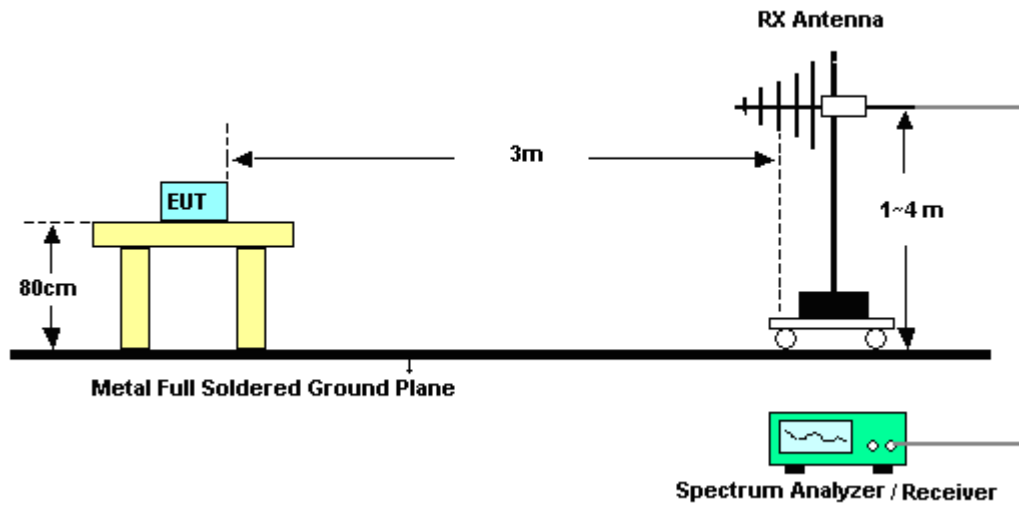
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna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

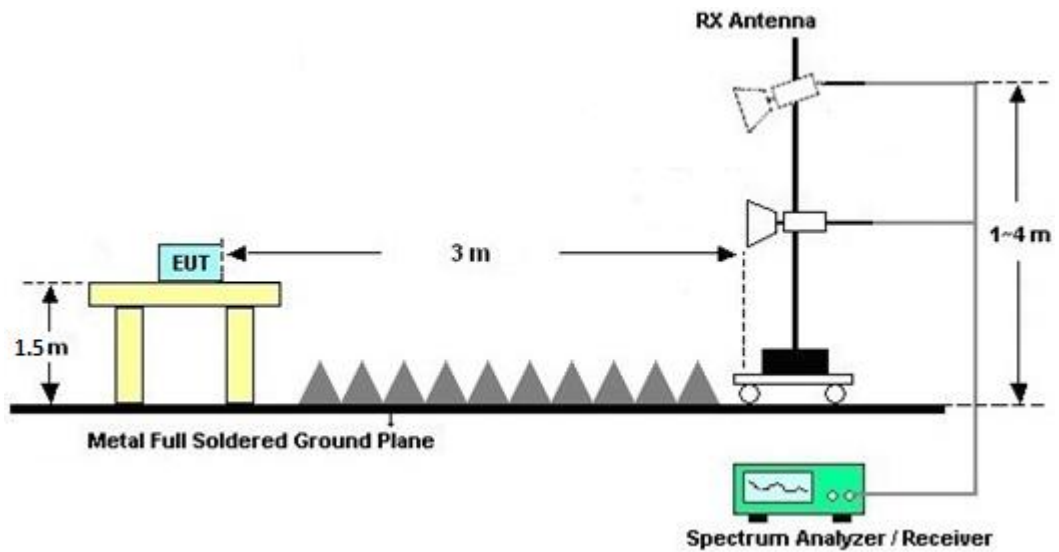
For radiated emissions below 30MHz



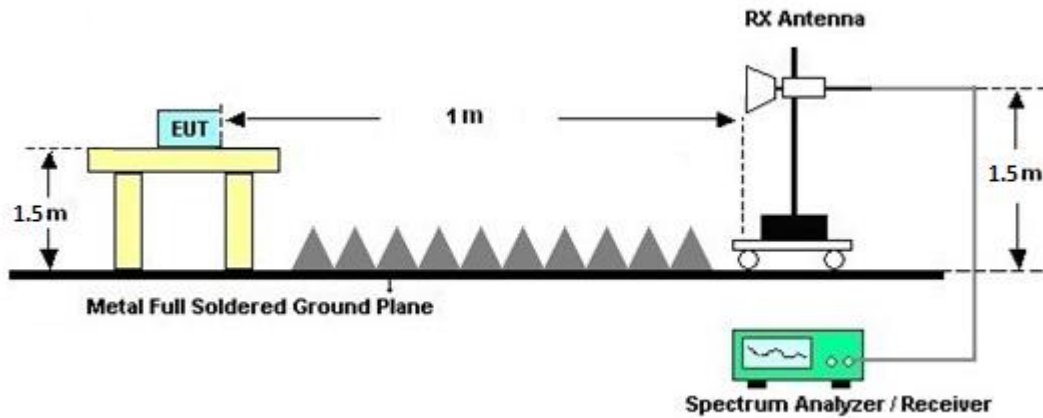
For radiated emissions from 30MHz to 1GHz



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.

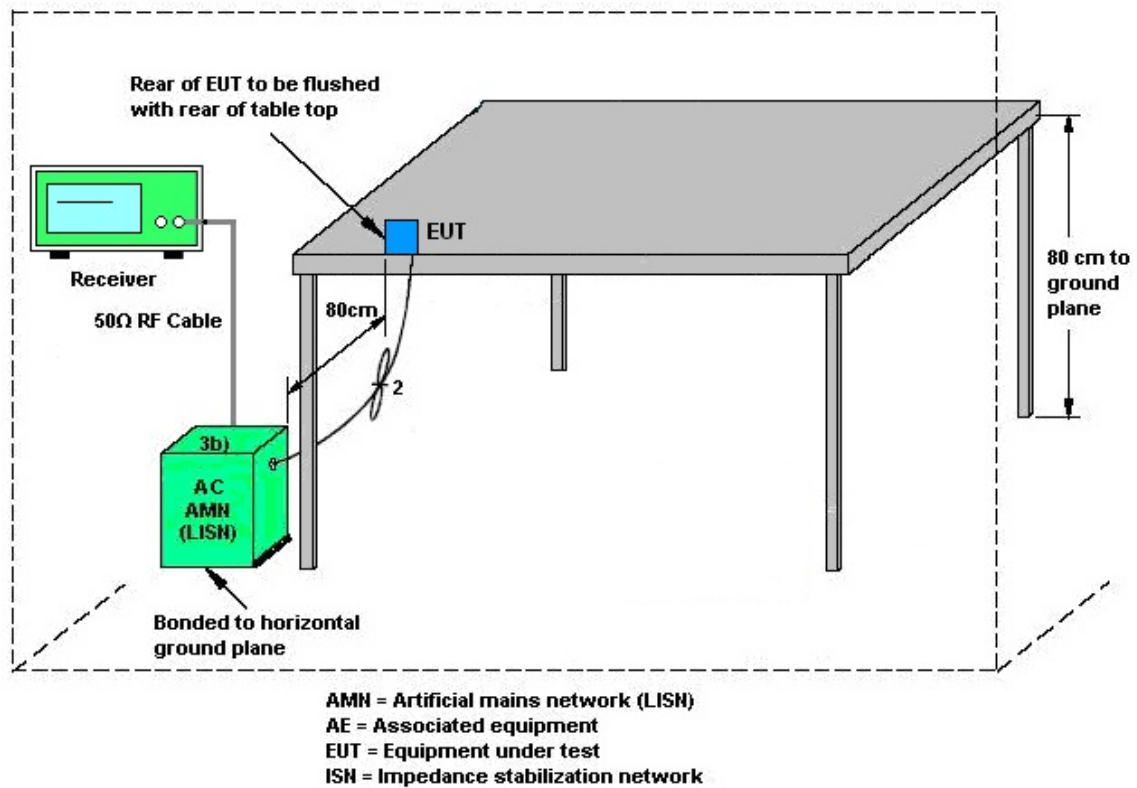
3.5.2 Measuring Instruments

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 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 17, 2022	Mar. 31, 2023~ Apr. 25, 2023	Nov. 16, 2023	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	16I00054SNO 12 (NO:113)	10MHz~6GHz	Dec. 13, 2022	Mar. 31, 2023~ Apr. 25, 2023	Dec. 12, 2023	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101905	10Hz - 40GHz(amp)	Aug. 03, 2022	Mar. 31, 2023~ Apr. 25, 2023	Aug. 02, 2023	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Apr. 11, 2023	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 01, 2022	Apr. 11, 2023	Nov. 30, 2023	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Nov. 17, 2022	Apr. 11, 2023	Nov. 16, 2023	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 17, 2022	Apr. 11, 2023	Nov. 16, 2023	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Apr. 11, 2023	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Aug. 01, 2022	Apr. 11, 2023	Jul. 31, 2023	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 29, 2022	Apr. 11, 2023	Dec. 28, 2023	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep 20, 2022	Apr.20, 2023~ Apr. 25, 2023	Sep 19, 2023	Radiation (03CH23-HY)
Bilog Antenna with 6dB pad	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	N/A	Oct. 11, 2022	Apr.20, 2023~ Apr. 25, 2023	Oct. 10, 2023	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	N/A	Jul. 16, 2022	Apr.20, 2023~ Apr. 25, 2023	Jul. 15, 2023	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18E N	1GHz~18GHz	Jul. 06, 2022	Apr.20, 2023~ Apr. 25, 2023	Jul. 05, 2023	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00991	18GHz~40GHz	May 14, 2022	Apr.20, 2023~ Apr. 25, 2023	May 13, 2023	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 29, 2022	Apr.20, 2023~ Apr. 25, 2023	Sep. 28, 2023	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060872	18-40GHz	Sep. 28, 2022	Apr.20, 2023~ Apr. 25, 2023	Sep. 27, 2023	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	N/A	Sep. 11, 2022	Apr.20, 2023~ Apr. 25, 2023	Sep. 10, 2023	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303B	TP211542	N/A	Nov. 17, 2022	Apr.20, 2023~ Apr. 25, 2023	Nov. 16, 2023	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Apr.20, 2023~ Apr. 25, 2023	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Apr.20, 2023~ Apr. 25, 2023	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Apr.20, 2023~ Apr. 25, 2023	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_2019 122	RK-002347	N/A	N/A	Apr.20, 2023~ Apr. 25, 2023	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Apr.20, 2023~ Apr. 25, 2023	Mar. 06, 2024	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804392/2,804 610/2,804613 /2	N/A	Oct. 25, 2022	Apr.20, 2023~ Apr. 25, 2023	Oct. 24, 2023	Radiation (03CH23-HY)



5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.5 dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.8 dB
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Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.4 dB
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Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.3 dB
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Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.2 dB
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Appendix A. Test Result of Conducted Test Items

Test Engineer:	River Tsai / Sylvia Li	Temperature:	21~25	°C
Test Date:	2023/03/31~2023/04/25	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

U-NII-1 single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	1	36	5180	16.83	-	20.34	-	-	-	22.26	-	-
11a	6Mbps	1	44	5220	16.98	-	26.58	-	-	-	22.30	-	
11a	6Mbps	1	48	5240	17.13	-	29.22	-	-	-	22.34	-	
HT20	MCS0	1	36	5180	17.83	-	20.52	-	-	-	22.51	-	
HT20	MCS0	1	44	5220	17.98	-	26.40	-	-	-	22.55	-	
HT20	MCS0	1	48	5240	18.08	-	29.52	-	-	-	22.57	-	
HT40	MCS0	1	38	5190	36.46	-	40.32	-	-	-	23.01	-	
HT40	MCS0	1	46	5230	37.06	-	65.40	-	-	-	23.01	-	
VHT80	MCS0	1	42	5210	75.04	-	81.36	-	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-1 single antenna												
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	1	36	5180	16.60	-	-	24.00	-	-0.19	-	Pass
11a	6Mbps	1	44	5220	18.70	-		24.00	-	-0.19	-	Pass
11a	6Mbps	1	48	5240	18.80	-		24.00	-	-0.19	-	Pass
HT20	MCS0	1	36	5180	15.30	-		24.00	-	-0.19	-	Pass
HT20	MCS0	1	44	5220	18.60	-		24.00	-	-0.19	-	Pass
HT20	MCS0	1	48	5240	18.60	-		24.00	-	-0.19	-	Pass
HT40	MCS0	1	38	5190	13.00	-		24.00	-	-0.19	-	Pass
HT40	MCS0	1	46	5230	17.80	-		24.00	-	-0.19	-	Pass
VHT20	MCS0	1	36	5180	15.20	-		24.00	-	-0.19	-	Pass
VHT20	MCS0	1	44	5220	18.50	-		24.00	-	-0.19	-	Pass
VHT20	MCS0	1	48	5240	18.50	-		24.00	-	-0.19	-	Pass
VHT40	MCS0	1	38	5190	12.90	-		24.00	-	-0.19	-	Pass
VHT40	MCS0	1	46	5230	17.70	-		24.00	-	-0.19	-	Pass
VHT80	MCS0	1	42	5210	13.00	-		24.00	-	-0.19	-	Pass

TEST RESULTS DATA
Power Spectral Density

FCC U-NII-1 single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	36	5180	7.15	-	-	11.00	-	-0.19	-	-	Pass
11a	6Mbps	1	44	5220	8.87	-		11.00	-	-0.19	-		Pass
11a	6Mbps	1	48	5240	9.19	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	36	5180	6.08	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	44	5220	8.70	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	48	5240	9.15	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	38	5190	0.53	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	46	5230	5.19	-		11.00	-	-0.19	-		Pass
VHT80	MCS0	1	42	5210	-2.61	-		11.00	-	-0.19	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A single antenna															
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	
11a	6Mbps	1	52	5260	17.23	-	29.82	-	23.36	-	29.36	-	23.98	-	-
11a	6Mbps	1	60	5300	16.98	-	28.50	-	23.30	-	29.30	-	23.98	-	
11a	6Mbps	1	64	5320	16.88	-	20.52	-	23.27	-	29.27	-	23.98	-	
HT20	MCS0	1	52	5260	18.08	-	33.54	-	23.57	-	29.57	-	23.98	-	
HT20	MCS0	1	60	5300	17.98	-	27.06	-	23.55	-	29.55	-	23.98	-	
HT20	MCS0	1	64	5320	17.93	-	28.08	-	23.54	-	29.54	-	23.98	-	
HT40	MCS0	1	54	5270	37.36	-	63.96	-	23.98	-	30.00	-	23.98	-	
HT40	MCS0	1	62	5310	36.56	-	40.08	-	23.98	-	30.00	-	23.98	-	
VHT80	MCS0	1	58	5290	75.04	-	81.36	-	23.98	-	30.00	-	23.98	-	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	52	5260	19.00	-	-	23.98	-	-0.19	-	26.99	Pass
11a	6Mbps	1	60	5300	18.80	-		23.98	-	-0.19	-	26.99	Pass
11a	6Mbps	1	64	5320	17.30	-		23.98	-	-0.19	-	26.99	Pass
HT20	MCS0	1	52	5260	18.90	-		23.98	-	-0.19	-	26.99	Pass
HT20	MCS0	1	60	5300	18.70	-		23.98	-	-0.19	-	26.99	Pass
HT20	MCS0	1	64	5320	17.50	-		23.98	-	-0.19	-	26.99	Pass
HT40	MCS0	1	54	5270	18.70	-		23.98	-	-0.19	-	26.99	Pass
HT40	MCS0	1	62	5310	15.10	-		23.98	-	-0.19	-	26.99	Pass
VHT20	MCS0	1	52	5260	18.80	-		23.98	-	-0.19	-	26.99	Pass
VHT20	MCS0	1	60	5300	18.60	-		23.98	-	-0.19	-	26.99	Pass
VHT20	MCS0	1	64	5320	17.40	-		23.98	-	-0.19	-	26.99	Pass
VHT40	MCS0	1	54	5270	18.60	-		23.98	-	-0.19	-	26.99	Pass
VHT40	MCS0	1	62	5310	15.00	-		23.98	-	-0.19	-	26.99	Pass
VHT80	MCS0	1	58	5290	13.60	-		23.98	-	-0.19	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	52	5260	9.63	-	-	11.00	-	-0.19	-	-	Pass
11a	6Mbps	1	60	5300	9.05	-		11.00	-	-0.19	-		Pass
11a	6Mbps	1	64	5320	7.92	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	52	5260	9.35	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	60	5300	8.88	-		11.00	-	-0.19	-		Pass
HT20	MCS0	1	64	5320	8.04	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	54	5270	6.32	-		11.00	-	-0.19	-		Pass
HT40	MCS0	1	62	5310	2.98	-		11.00	-	-0.19	-		Pass
VHT80	MCS0	1	58	5290	-1.75	-		11.00	-	-0.19	-		Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C single antenna																
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2	Ant 4	Ant 2
11a	6Mbps	1	100	5500	16.73	-	24.00	-	23.24	-	29.24	-	23.98	-	----	----
11a	6Mbps	1	116	5580	16.98	-	32.10	-	23.30	-	29.30	-	23.98	-	----	----
11a	6Mbps	1	140	5700	16.78	-	20.34	-	23.25	-	29.25	-	23.98	-	----	----
HT20	MCS0	1	100	5500	17.83	-	21.06	-	23.51	-	29.51	-	23.98	-	----	----
HT20	MCS0	1	116	5580	18.03	-	27.84	-	23.56	-	29.56	-	23.98	-	----	----
HT20	MCS0	1	140	5700	17.73	-	20.64	-	23.49	-	29.49	-	23.98	-	----	----
HT40	MCS0	1	102	5510	36.46	-	40.44	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	110	5550	36.96	-	62.04	-	23.98	-	30.00	-	23.98	-	----	----
HT40	MCS0	1	134	5670	36.96	-	40.32	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	106	5530	75.28	-	81.36	-	23.98	-	30.00	-	23.98	-	----	----
VHT80	MCS0	1	122	5610	75.52	-	102.96	-	23.98	-	30.00	-	23.98	-	----	----

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	100	5500	16.40	-	-	23.98	-	0.49	-	26.99	Pass
11a	6Mbps	1	116	5580	19.00	-		23.98	-	0.49	-	26.99	Pass
11a	6Mbps	1	140	5700	14.50	-		23.98	-	0.49	-	26.99	Pass
HT20	MCS0	1	100	5500	16.40	-		23.98	-	0.49	-	26.99	Pass
HT20	MCS0	1	116	5580	18.90	-		23.98	-	0.49	-	26.99	Pass
HT20	MCS0	1	140	5700	14.30	-		23.98	-	0.49	-	26.99	Pass
HT40	MCS0	1	102	5510	14.20	-		23.98	-	0.49	-	26.99	Pass
HT40	MCS0	1	110	5550	18.90	-		23.98	-	0.49	-	26.99	Pass
HT40	MCS0	1	134	5670	16.20	-		23.98	-	0.49	-	26.99	Pass
VHT20	MCS0	1	100	5500	16.30	-		23.98	-	0.49	-	26.99	Pass
VHT20	MCS0	1	116	5580	18.80	-		23.98	-	0.49	-	26.99	Pass
VHT20	MCS0	1	140	5700	14.20	-		23.98	-	0.49	-	26.99	Pass
VHT40	MCS0	1	102	5510	14.10	-		23.98	-	0.49	-	26.99	Pass
VHT40	MCS0	1	110	5550	18.80	-		23.98	-	0.49	-	26.99	Pass
VHT40	MCS0	1	134	5670	16.10	-		23.98	-	0.49	-	26.99	Pass
VHT80	MCS0	1	106	5530	13.60	-		23.98	-	0.49	-	26.99	Pass
VHT80	MCS0	1	122	5610	17.20	-		23.98	-	0.49	-	26.99	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C single antenna													
Mod.	Data Rate	N _{TX}	CH.	Freq. (MHz)	Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 4	Ant 2	SUM	Ant 4	Ant 2	Ant 4	Ant 2		
11a	6Mbps	1	100	5500	7.02	-	-	11.00	-	0.49	-	-	Pass
11a	6Mbps	1	116	5580	9.92	-		11.00	-	0.49	-		Pass
11a	6Mbps	1	140	5700	5.14	-		11.00	-	0.49	-		Pass
HT20	MCS0	1	100	5500	6.44	-		11.00	-	0.49	-		Pass
HT20	MCS0	1	116	5580	9.08	-		11.00	-	0.49	-		Pass
HT20	MCS0	1	140	5700	4.91	-		11.00	-	0.49	-		Pass
HT40	MCS0	1	102	5510	2.07	-		11.00	-	0.49	-		Pass
HT40	MCS0	1	110	5550	6.06	-		11.00	-	0.49	-		Pass
HT40	MCS0	1	134	5670	3.65	-		11.00	-	0.49	-		Pass
VHT80	MCS0	1	106	5530	-1.99	-		11.00	-	0.49	-		Pass
VHT80	MCS0	1	122	5610	1.60	-		11.00	-	0.49	-		Pass



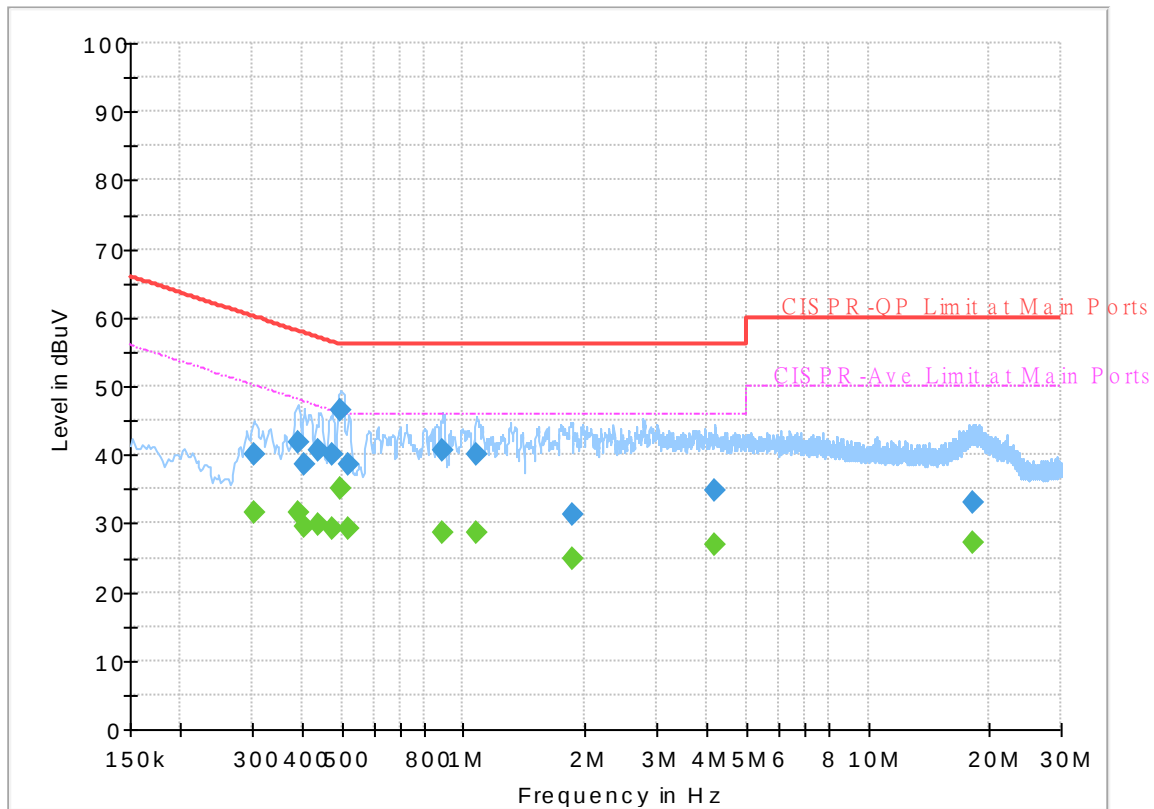
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO : 322209
 Test Mode : Mode 1
 Test Voltage : 120Vac/60Hz
 Phase : Line

Full Spectrum



Final_Result

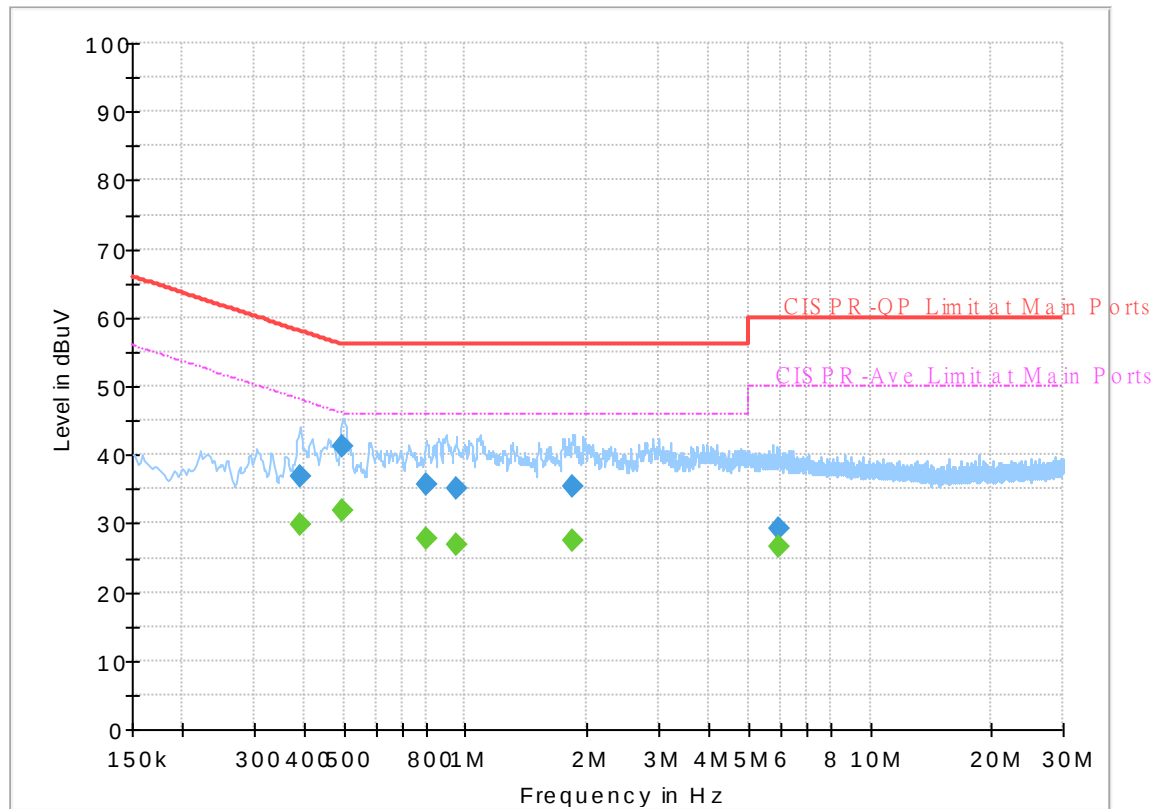
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.303000	---	31.72	50.16	18.44	L1	OFF	19.9
0.303000	40.07	---	60.16	20.09	L1	OFF	19.9
0.388500	---	31.67	48.10	16.43	L1	OFF	19.9
0.388500	41.75	---	58.10	16.35	L1	OFF	19.9
0.404250	---	29.46	47.77	18.31	L1	OFF	19.9
0.404250	38.65	---	57.77	19.12	L1	OFF	19.9
0.438000	---	29.95	47.10	17.15	L1	OFF	19.9
0.438000	40.57	---	57.10	16.53	L1	OFF	19.9
0.476250	---	29.27	46.40	17.13	L1	OFF	19.9
0.476250	40.14	---	56.40	16.26	L1	OFF	19.9
0.498750	---	35.18	46.02	10.84	L1	OFF	19.9
0.498750	46.42	---	56.02	9.60	L1	OFF	19.9
0.521250	---	29.15	46.00	16.85	L1	OFF	19.9
0.521250	38.72	---	56.00	17.28	L1	OFF	19.9
0.888000	---	28.68	46.00	17.32	L1	OFF	19.9
0.888000	40.71	---	56.00	15.29	L1	OFF	19.9
1.081500	---	28.53	46.00	17.47	L1	OFF	19.9
1.081500	39.96	---	56.00	16.04	L1	OFF	19.9
1.853250	---	24.79	46.00	21.21	L1	OFF	19.9
1.853250	31.18	---	56.00	24.82	L1	OFF	19.9
4.184250	---	26.76	46.00	19.24	L1	OFF	20.0

4.184250	34.88	---	56.00	21.12	L1	OFF	20.0
18.213000	---	27.13	50.00	22.87	L1	OFF	20.5
18.213000	33.17	---	60.00	26.83	L1	OFF	20.5

EUT Information

Report NO : 322209
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)
0.388500	---	29.73	48.10	18.37	N	OFF	19.9
0.388500	36.98	---	58.10	21.12	N	OFF	19.9
0.498750	---	31.79	46.02	14.23	N	OFF	19.9
0.498750	41.36	---	56.02	14.66	N	OFF	19.9
0.802500	---	27.80	46.00	18.20	N	OFF	19.9
0.802500	35.70	---	56.00	20.30	N	OFF	19.9
0.948750	---	26.85	46.00	19.15	N	OFF	19.9
0.948750	35.01	---	56.00	20.99	N	OFF	19.9
1.844250	---	27.42	46.00	18.58	N	OFF	19.9
1.844250	35.43	---	56.00	20.57	N	OFF	19.9
5.946000	---	26.71	50.00	23.29	N	OFF	20.1
5.946000	29.11	---	60.00	30.89	N	OFF	20.1



Appendix C. Radiated Spurious Emission

Test Engineer :	Leo Li	Temperature :	18.3~24.5°C
		Relative Humidity :	42.3~68.5%



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.
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5147.42	64.29	-9.71	74	51.87	32.81	12.87	33.26	100	284	P	H
		5149.24	50.43	-3.57	54	38.03	32.8	12.87	33.27	100	284	A	H
	*	5180	108.83	-	-	96.43	32.8	12.92	33.32	100	284	P	H
	*	5180	101.57	-	-	89.17	32.8	12.92	33.32	100	284	A	H
													H
													H
		5146.38	59.19	-14.81	74	46.78	32.81	12.86	33.26	400	176	P	V
		5149.24	46.62	-7.38	54	34.22	32.8	12.87	33.27	400	176	A	V
	*	5180	97.94	-	-	85.54	32.8	12.92	33.32	400	176	P	V
	*	5180	91.17	-	-	78.77	32.8	12.92	33.32	400	176	A	V
													V
													V
802.11a CH 44 5220MHz		5137.28	51.88	-22.12	74	39.44	32.83	12.85	33.24	102	200	P	H
		5150	44.1	-9.9	54	31.7	32.8	12.87	33.27	102	200	A	H
	*	5220	109.81	-	-	97.5	32.72	12.98	33.39	102	200	P	H
	*	5220	103.6	-	-	91.29	32.72	12.98	33.39	102	200	A	H
		5374.96	49.5	-24.5	74	37.34	32.65	13.18	33.67	102	200	P	H
		5350.93	40.79	-13.21	54	28.66	32.6	13.15	33.62	102	200	A	H
		5107.9	51.92	-22.08	74	39.43	32.88	12.8	33.19	100	157	P	V
		5060.06	42.04	-11.96	54	29.68	32.74	12.73	33.11	100	157	A	V
	*	5220	102.66	-	-	90.35	32.72	12.98	33.39	100	157	P	V
	*	5220	95.87	-	-	83.56	32.72	12.98	33.39	100	157	A	V
		5454.61	47.74	-26.26	74	35.47	32.82	13.26	33.81	100	157	P	V
		5459.2	39.96	-14.04	54	27.67	32.84	13.27	33.82	100	157	A	V



802.11a CH 48 5240MHz		5148.98	52.15	-21.85	74	39.75	32.8	12.87	33.27	100	201	P	H
		5149.76	43.24	-10.76	54	30.84	32.8	12.87	33.27	100	201	A	H
	*	5240	111.15	-	-	98.94	32.64	13	33.43	100	201	P	H
	*	5240	103.8	-	-	91.59	32.64	13	33.43	100	201	A	H
		5430.58	49.4	-24.6	74	37.17	32.76	13.24	33.77	100	201	P	H
		5354.98	41.1	-12.9	54	28.97	32.61	13.15	33.63	100	201	A	H
		5112.58	50.77	-23.23	74	38.29	32.87	12.81	33.2	302	82	P	V
		5100.62	41.8	-12.2	54	29.29	32.9	12.79	33.18	302	82	A	V
	*	5240	100.39	-	-	88.18	32.64	13	33.43	302	82	P	V
	*	5240	95.11	-	-	82.9	32.64	13	33.43	302	82	A	V
		5384.41	48.72	-25.28	74	36.54	32.67	13.19	33.68	302	82	P	V
		5453.8	40.05	-13.95	54	27.78	32.82	13.26	33.81	302	82	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	49.25	-18.95	68.2	31.3	37.54	19.28	38.87	-	-	P	H
		15540	51.52	-22.48	74	31.91	40.88	23.41	44.68	-	-	P	H
		15540	39.72	-14.28	54	20.11	40.88	23.41	44.68	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	48.8	-19.4	68.2	30.85	37.54	19.28	38.87	-	-	P	V
		15540	52.2	-21.8	74	32.59	40.88	23.41	44.68	-	-	P	V
		15540	39.71	-14.29	54	20.1	40.88	23.41	44.68	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 44 5220MHz		10440	48.55	-19.65	68.2	30.68	37.5	19.33	38.96	-	-	P	H
		15660	52.4	-21.6	74	33.02	40.7	23.51	44.83	-	-	P	H
		15660	40.51	-13.49	54	21.13	40.7	23.51	44.83	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	48.65	-19.55	68.2	30.78	37.5	19.33	38.96	-	-	P	V
		15660	52.96	-21.04	74	33.58	40.7	23.51	44.83	-	-	P	V
		15660	40.37	-13.63	54	20.99	40.7	23.51	44.83	-	-	A	V
													V
													V
													V
													V
													V
													V
													V

[illegible]



Band 1 5150~5250MHz

WIFI 802.11n HT20 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		5147.16	66.48	-7.52	74	54.06	32.81	12.87	33.26	113	241	P	H
		5149.5	48.84	-5.16	54	36.44	32.8	12.87	33.27	113	241	A	H
	*	5180	107.54	-	-	95.14	32.8	12.92	33.32	113	241	P	H
	*	5180	100.69	-	-	88.29	32.8	12.92	33.32	113	241	A	H
													H
													H
		5149.24	62.65	-11.35	74	50.25	32.8	12.87	33.27	184	175	P	V
		5150	44.62	-9.38	54	32.22	32.8	12.87	33.27	184	175	A	V
	*	5180	97.37	-	-	84.97	32.8	12.92	33.32	184	175	P	V
	*	5180	89.92	-	-	77.52	32.8	12.92	33.32	184	175	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5039	52.97	-21.03	74	40.65	32.7	12.69	33.07	100	202	P	H
		5148.46	44.76	-9.24	54	32.35	32.8	12.87	33.26	100	202	A	H
	*	5220	109.69	-	-	97.38	32.72	12.98	33.39	100	202	P	H
	*	5220	103.3	-	-	90.99	32.72	12.98	33.39	100	202	A	H
		5361.19	48.81	-25.19	74	36.67	32.62	13.16	33.64	100	202	P	H
		5389.27	40.65	-13.35	54	28.46	32.68	13.2	33.69	100	202	A	H
		5150	51.91	-22.09	74	39.51	32.8	12.87	33.27	104	158	P	V
		5133.38	41.86	-12.14	54	29.43	32.83	12.84	33.24	104	158	A	V
	*	5220	101.96	-	-	89.65	32.72	12.98	33.39	104	158	P	V
	*	5220	95.15	-	-	82.84	32.72	12.98	33.39	104	158	A	V
		5459.2	49.72	-24.28	74	37.43	32.84	13.27	33.82	104	158	P	V
		5453.26	39.88	-14.12	54	27.62	32.81	13.26	33.81	104	158	A	V



802.11n HT20 CH 48 5240MHz		5138.84	52.79	-21.21	74	40.37	32.82	12.85	33.25	100	198	P	H
		5148.98	43.39	-10.61	54	30.99	32.8	12.87	33.27	100	198	A	H
	*	5240	111.1	-	-	98.89	32.64	13	33.43	100	198	P	H
	*	5240	103.72	-	-	91.51	32.64	13	33.43	100	198	A	H
		5376.31	49.35	-24.65	74	37.19	32.65	13.18	33.67	100	198	P	H
		5353.09	41.04	-12.96	54	28.91	32.61	13.15	33.63	100	198	A	H
		5078	51.63	-22.37	74	39.21	32.81	12.75	33.14	302	82	P	V
		5086.58	41.8	-12.2	54	29.33	32.85	12.77	33.15	302	82	A	V
	*	5240	101.39	-	-	89.18	32.64	13	33.43	302	82	P	V
	*	5240	94.82	-	-	82.61	32.64	13	33.43	302	82	A	V
		5447.32	48.81	-25.19	74	36.57	32.79	13.25	33.8	302	82	P	V
		5454.61	40.2	-13.8	54	27.93	32.82	13.26	33.81	302	82	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 36 5180MHz		10360	48.03	-20.17	68.2	30.08	37.54	19.28	38.87	-	-	P	H
		15540	51.18	-22.82	74	31.57	40.88	23.41	44.68	-	-	P	H
		15540	40.12	-13.88	54	20.51	40.88	23.41	44.68	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10360	47.86	-20.34	68.2	29.91	37.54	19.28	38.87	-	-	P	V
		15540	52.26	-21.74	74	32.65	40.88	23.41	44.68	-	-	P	V
		15540	39.92	-14.08	54	20.31	40.88	23.41	44.68	-	-	A	V
													V
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													V
													V
													V
													V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
i802.11n HT20 CH 44 5220MHz		10440	48.4	-19.8	68.2	30.53	37.5	19.33	38.96	-	-	P	H
		15660	52.13	-21.87	74	32.75	40.7	23.51	44.83	100	186	P	H
		15660	44.74	-9.26	54	25.36	40.7	23.51	44.83	100	186	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10440	48.56	-19.64	68.2	30.69	37.5	19.33	38.96	-	-	P	V
		15660	53.37	-20.63	74	33.99	40.7	23.51	44.83	114	215	P	V
		15660	46.12	-7.88	54	26.74	40.7	23.51	44.83	114	215	A	V
													V
													V
													V
													V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamplifier	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11n HT20 CH 48 5240MHz		10480	48.7	-19.5	68.2	30.83	37.5	19.37	39	-	-	P	H	
		15720	52.48	-21.52	74	33.05	40.78	23.56	44.91	100	182	P	H	
		15720	44.55	-9.45	54	25.12	40.78	23.56	44.91	100	182	A	H	
													H	
													H	
													H	
													H	
														H
														H
														H
														H
														H
		10480	49.29	-18.91	68.2	31.42	37.5	19.37	39	-	-	P	V	
		15720	53.17	-20.83	74	33.74	40.78	23.56	44.91	124	209	P	V	
		15720	46.28	-7.72	54	26.85	40.78	23.56	44.91	124	209	A	V	
														V
														V
														V
														V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.													



Band 1 5150~5250MHz

WIFI 802.11n HT40 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5148.98	65.35	-8.65	74	52.95	32.8	12.87	33.27	107	243	P	H
		5150	50.04	-3.96	54	37.64	32.8	12.87	33.27	107	243	A	H
	*	5190	102.97	-	-	90.58	32.8	12.93	33.34	107	243	P	H
	*	5190	93.83	-	-	81.44	32.8	12.93	33.34	107	243	A	H
		5443.2	48.34	-25.66	74	36.09	32.79	13.25	33.79	107	243	P	H
		5353.32	40.84	-13.16	54	28.71	32.61	13.15	33.63	107	243	A	H
		5144.04	57.95	-16.05	74	45.54	32.81	12.86	33.26	399	171	P	V
		5149.24	46.48	-7.52	54	34.08	32.8	12.87	33.27	399	171	A	V
	*	5190	91.85	-	-	79.46	32.8	12.93	33.34	399	171	P	V
	*	5190	83.47	-	-	71.08	32.8	12.93	33.34	399	171	A	V
		5416.6	47.41	-26.59	74	35.19	32.73	13.23	33.74	399	171	P	V
		5451.04	40.51	-13.49	54	28.25	32.8	13.26	33.8	399	171	A	V
802.11n HT40 CH 46 5230MHz		5141.7	59.23	-14.77	74	46.8	32.82	12.86	33.25	100	267	P	H
		5147.16	50.23	-3.77	54	37.81	32.81	12.87	33.26	100	267	A	H
	*	5230	105.61	-	-	93.35	32.68	12.99	33.41	100	267	P	H
	*	5230	97.8	-	-	85.54	32.68	12.99	33.41	100	267	A	H
		5372.92	50.78	-23.22	74	38.62	32.65	13.17	33.66	100	267	P	H
		5352.2	41.82	-12.18	54	29.7	32.6	13.15	33.63	100	267	A	H
		5143	54.21	-19.79	74	41.79	32.81	12.86	33.25	399	176	P	V
		5145.34	46.18	-7.82	54	33.77	32.81	12.86	33.26	399	176	A	V
	*	5230	95.98	-	-	83.72	32.68	12.99	33.41	399	176	P	V
	*	5230	92.19	-	-	79.93	32.68	12.99	33.41	399	176	A	V
		5399.8	48.71	-25.29	74	36.51	32.7	13.21	33.71	399	176	P	V
		5439	40.73	-13.27	54	28.48	32.78	13.25	33.78	399	176	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		10380	48.19	-20.01	68.2	30.27	37.52	19.29	38.89	-	-	P	H
		15570	50.78	-23.22	74	31.28	40.79	23.43	44.72	-	-	P	H
		15570	39.51	-14.49	54	20.01	40.79	23.43	44.72	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10380	47.87	-20.33	68.2	29.95	37.52	19.29	38.89	-	-	P	V
		15570	51.25	-22.75	74	31.75	40.79	23.43	44.72	-	-	P	V
		15570	39.41	-14.59	54	19.91	40.79	23.43	44.72	-	-	A	V
													V
													V
													V
													V
													V
													V



Report No. : FR322209E

[illegible]

**Band 1 5150~5250MHz****WIFI 802.11ac VHT80 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5132.6	58.76	-15.24	74	46.33	32.83	12.84	33.24	100	215	P	H
		5145.08	49.88	-4.12	54	37.47	32.81	12.86	33.26	100	215	A	H
	*	5210	98.55	-	-	86.2	32.76	12.96	33.37	100	215	P	H
	*	5210	91.22	-	-	78.87	32.76	12.96	33.37	100	215	A	H
		5354.96	49.29	-24.71	74	37.16	32.61	13.15	33.63	100	215	P	H
		5397.34	42.3	-11.7	54	30.11	32.69	13.21	33.71	100	215	A	H
		5147.94	53.15	-20.85	74	40.74	32.8	12.87	33.26	399	173	P	V
		5149.24	46.78	-7.22	54	34.38	32.8	12.87	33.27	399	173	A	V
	*	5210	88.2	-	-	75.85	32.76	12.96	33.37	399	173	P	V
	*	5210	81.76	-	-	69.41	32.76	12.96	33.37	399	173	A	V
		5384.34	49.11	-24.89	74	36.93	32.67	13.19	33.68	399	173	P	V
		5421	42.22	-11.78	54	30	32.74	13.23	33.75	399	173	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI 802.11ac VHT80 (Harmonic @ 3m)

TEL : 886-3-327-0868
FAX : 886-3-327-0855



Band 1 5150~5250MHz

Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 4		(MHz)	(dBμV/m)	(dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 52 5260MHz		5124.78	52.69	-21.31	74	40.23	32.85	12.83	33.22	285	204	P	H
		5146.54	42.8	-11.2	54	30.39	32.81	12.86	33.26	285	204	A	H
	*	5260	110.1	-	-	97.91	32.62	13.03	33.46	285	204	P	H
	*	5260	102.91	-	-	90.72	32.62	13.03	33.46	285	204	A	H
		5356.8	50.35	-23.65	74	38.23	32.61	13.15	33.64	285	204	P	H
		5350.08	41.73	-12.27	54	29.6	32.6	13.15	33.62	285	204	A	H
		5006.8	51.37	-22.63	74	39.04	32.7	12.64	33.01	353	171	P	V
		5015.3	42.09	-11.91	54	29.77	32.7	12.65	33.03	353	171	A	V
	*	5266	103.06	-	-	90.86	32.63	13.04	33.47	353	171	P	V
	*	5260	95.82	-	-	83.63	32.62	13.03	33.46	353	171	A	V
		5456.88	49.75	-24.25	74	37.47	32.83	13.26	33.81	353	171	P	V
		5446.32	40.48	-13.52	54	28.23	32.79	13.25	33.79	353	171	A	V
802.11a CH 60 5300MHz		5077.52	52.87	-21.13	74	40.45	32.81	12.75	33.14	100	202	P	H
		5133.96	43.2	-10.8	54	30.77	32.83	12.84	33.24	100	202	A	H
	*	5300	111.24	-	-	98.99	32.7	13.08	33.53	100	202	P	H
	*	5300	103.65	-	-	91.4	32.7	13.08	33.53	100	202	A	H
		5350.08	57.11	-16.89	74	44.98	32.6	13.15	33.62	100	202	P	H
		5351.04	46.35	-7.65	54	34.22	32.6	13.15	33.62	100	202	A	H
		5114.24	51.84	-22.16	74	39.36	32.87	12.81	33.2	348	169	P	V
		5008.84	42.08	-11.92	54	29.76	32.7	12.64	33.02	348	169	A	V
	*	5300	102.92	-	-	90.67	32.7	13.08	33.53	348	169	P	V
	*	5300	95.84	-	-	83.59	32.7	13.08	33.53	348	169	A	V
		5351.76	52.9	-21.1	74	40.78	32.6	13.15	33.63	348	169	P	V
		5351.04	42.99	-11.01	54	30.86	32.6	13.15	33.62	348	169	A	V



802.11a CH 64 5320MHz	*	5320	108.44	-	-	96.24	32.66	13.11	33.57	100	240	P	H
	*	5320	101.25	-	-	89.05	32.66	13.11	33.57	100	240	A	H
		5352.48	64.78	-9.22	74	52.66	32.6	13.15	33.63	100	240	P	H
		5350.08	50.43	-3.57	54	38.3	32.6	13.15	33.62	100	240	A	H
													H
													H
	*	5320	100	-	-	87.8	32.66	13.11	33.57	400	134	P	V
	*	5320	92.67	-	-	80.47	32.66	13.11	33.57	400	134	A	V
		5352.8	59.69	-14.31	74	47.56	32.61	13.15	33.63	400	134	P	V
		5351.04	44.22	-9.78	54	32.09	32.6	13.15	33.62	400	134	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	49.11	-19.09	68.2	31.23	37.52	19.4	39.04	-	-	P	H
		15780	53.77	-20.23	74	34.14	41.02	23.6	44.99	-	-	P	H
		15780	40.78	-13.22	54	21.15	41.02	23.6	44.99	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	49.6	-18.6	68.2	31.72	37.52	19.4	39.04	-	-	P	V
		15780	54.64	-19.36	74	35.01	41.02	23.6	44.99	-	-	P	V
		15780	41.64	-12.36	54	22.01	41.02	23.6	44.99	-	-	A	V
													V
													V
													V
													V
													V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
i802.11a CH 60 5300MHz		10600	49.73	-24.27	74	31.8	37.6	19.46	39.13	-	-	P	H
		10600	40.45	-13.55	54	22.52	37.6	19.46	39.13	-	-	A	H
		15900	54.07	-19.93	74	34.61	40.9	23.7	45.14	-	-	P	H
		15900	41.07	-12.93	54	21.61	40.9	23.7	45.14	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	50.4	-23.6	74	32.47	37.6	19.46	39.13	-	-	P	V
		10600	39.7	-14.3	54	21.77	37.6	19.46	39.13	-	-	A	V
		15900	54.1	-19.9	74	34.64	40.9	23.7	45.14	-	-	P	V
		15900	41.27	-12.73	54	21.81	40.9	23.7	45.14	-	-	A	V
													V
													V
													V
													V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 64 5320MHz		10640	48.33	-25.67	74	30.41	37.6	19.49	39.17	-	-	P	H
		10640	39.37	-14.63	54	21.45	37.6	19.49	39.17	-	-	A	H
		15960	50.76	-23.24	74	31.33	40.9	23.75	45.22	-	-	P	H
		15960	39.23	-14.77	54	19.8	40.9	23.75	45.22	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	48.68	-25.32	74	30.76	37.6	19.49	39.17	-	-	P	V
		10640	39.23	-14.77	54	21.31	37.6	19.49	39.17	-	-	A	V
		15960	50.96	-23.04	74	31.53	40.9	23.75	45.22	-	-	P	V
		15960	39.14	-14.86	54	19.71	40.9	23.75	45.22	-	-	A	V
													V
													V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5143.82	52.71	-21.29	74	40.3	32.81	12.86	33.26	102	200	P	H
		5148.58	43.23	-10.77	54	30.82	32.8	12.87	33.26	102	200	A	H
	*	5260	110.77	-	-	98.58	32.62	13.03	33.46	102	200	P	H
	*	5260	103.43	-	-	91.24	32.62	13.03	33.46	102	200	A	H
		5355.12	50.47	-23.53	74	38.34	32.61	13.15	33.63	102	200	P	H
		5350.56	42.2	-11.8	54	30.07	32.6	13.15	33.62	102	200	A	H
		5123.42	51.89	-22.11	74	39.43	32.85	12.83	33.22	353	171	P	V
		5059.84	42.12	-11.88	54	29.76	32.74	12.73	33.11	353	171	A	V
	*	5260	102.24	-	-	90.05	32.62	13.03	33.46	353	171	P	V
	*	5260	95.27	-	-	83.08	32.62	13.03	33.46	353	171	A	V
		5413.2	49.5	-24.5	74	37.29	32.73	13.22	33.74	353	171	P	V
		5452.08	40.44	-13.56	54	28.17	32.81	13.26	33.8	353	171	A	V
802.11n HT20 CH 60 5300MHz		5124.44	51.81	-22.19	74	39.35	32.85	12.83	33.22	307	201	P	H
		5128.52	43.22	-10.78	54	30.77	32.84	12.84	33.23	307	201	A	H
	*	5300	109.44	-	-	97.19	32.7	13.08	33.53	307	201	P	H
	*	5300	103.38	-	-	91.13	32.7	13.08	33.53	307	201	A	H
		5350.32	59.12	-14.88	74	46.99	32.6	13.15	33.62	307	201	P	H
		5350.08	46.94	-7.06	54	34.81	32.6	13.15	33.62	307	201	A	H
		5038.42	51.93	-22.07	74	39.61	32.7	12.69	33.07	348	169	P	V
		5060.52	41.98	-12.02	54	29.62	32.74	12.73	33.11	348	169	A	V
	*	5300	102.48	-	-	90.23	32.7	13.08	33.53	348	169	P	V
	*	5300	95.64	-	-	83.39	32.7	13.08	33.53	348	169	A	V
		5359.44	54.05	-19.95	74	41.91	32.62	13.16	33.64	348	169	P	V
		5350.32	43.17	-10.83	54	31.04	32.6	13.15	33.62	348	169	A	V



802.11n HT20 CH 64 5320MHz	*	5320	108.62	-	-	96.42	32.66	13.11	33.57	117	218	P	H
	*	5320	101.05	-	-	88.85	32.66	13.11	33.57	117	218	A	H
		5350.24	68.01	-5.99	74	55.88	32.6	13.15	33.62	117	218	P	H
		5350.08	50.63	-3.37	54	38.5	32.6	13.15	33.62	117	218	A	H
													H
													H
	*	5320	103.08	-	-	90.88	32.66	13.11	33.57	100	11	P	V
	*	5320	95.51	-	-	83.31	32.66	13.11	33.57	100	11	A	V
		5351.04	61.21	-12.79	74	49.08	32.6	13.15	33.62	100	11	P	V
		5350.24	46.29	-7.71	54	34.16	32.6	13.15	33.62	100	11	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		10520	48.52	-19.68	68.2	30.64	37.52	19.4	39.04	-	-	P	H
		15780	54.79	-19.21	74	35.16	41.02	23.6	44.99	-	-	P	H
		15780	40.52	-13.48	54	20.89	41.02	23.6	44.99	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		10520	49.17	-19.03	68.2	31.29	37.52	19.4	39.04	-	-	P	V
		15780	55.23	-18.77	74	35.6	41.02	23.6	44.99	-	-	P	V
		15780	41.13	-12.87	54	21.5	41.02	23.6	44.99	-	-	A	V
													V
													V
													V
													V
													V
													V
													V
													V
													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 60 5300MHz		10600	50.18	-23.82	74	32.25	37.6	19.46	39.13	-	-	P	H
		10600	40.05	-13.95	54	22.12	37.6	19.46	39.13	-	-	A	H
		15900	54.14	-19.86	74	34.68	40.9	23.7	45.14	-	-	P	H
		15900	40.66	-13.34	54	21.2	40.9	23.7	45.14	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10600	49.35	-24.65	74	31.42	37.6	19.46	39.13	-	-	P	V
		10600	39.86	-14.14	54	21.93	37.6	19.46	39.13	-	-	A	V
		15900	54.5	-19.5	74	35.04	40.9	23.7	45.14	-	-	P	V
		15900	41.66	-12.34	54	22.2	40.9	23.7	45.14	-	-	A	V
													V
													V
													V
													V
													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 64 5320MHz		10640	48.98	-25.02	74	31.06	37.6	19.49	39.17	-	-	P	H
		10640	39.36	-14.64	54	21.44	37.6	19.49	39.17	-	-	A	H
		15960	51.44	-22.56	74	32.01	40.9	23.75	45.22	-	-	P	H
		15960	39.64	-14.36	54	20.21	40.9	23.75	45.22	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10640	48.28	-25.72	74	30.36	37.6	19.49	39.17	-	-	P	V
		10640	39.12	-14.88	54	21.2	37.6	19.49	39.17	-	-	A	V
		15960	51.53	-22.47	74	32.1	40.9	23.75	45.22	-	-	P	V
		15960	39.2	-14.8	54	19.77	40.9	23.75	45.22	-	-	A	V
													V
													V
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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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		5132.6	55.79	-18.21	74	43.36	32.83	12.84	33.24	125	215	P	H
		5149.6	45.35	-8.65	54	32.95	32.8	12.87	33.27	125	215	A	H
	*	5270	107.09	-	-	94.89	32.64	13.04	33.48	125	215	P	H
	*	5270	100.04	-	-	87.84	32.64	13.04	33.48	125	215	A	H
		5362.56	58.88	-15.12	74	46.74	32.63	13.16	33.65	125	215	P	H
		5350.08	47.23	-6.77	54	35.1	32.6	13.15	33.62	125	215	A	H
		5103.7	51.66	-22.34	74	39.15	32.89	12.8	33.18	400	172	P	V
		5148.24	43.11	-10.89	54	30.7	32.8	12.87	33.26	400	172	A	V
	*	5270	104.28	-	-	92.08	32.64	13.04	33.48	400	172	P	V
	*	5270	96.9	-	-	84.7	32.64	13.04	33.48	400	172	A	V
		5413.44	49.92	-24.08	74	37.71	32.73	13.22	33.74	400	172	P	V
		5382.24	41.43	-12.57	54	29.26	32.66	13.19	33.68	400	172	A	V
802.11n HT40 CH 62 5310MHz		5019.38	51.82	-22.18	74	39.49	32.7	12.66	33.03	107	220	P	H
		5136.68	43.03	-10.97	54	30.59	32.83	12.85	33.24	107	220	A	H
	*	5310	102.98	-	-	90.76	32.68	13.09	33.55	107	220	P	H
	*	5310	95.63	-	-	83.41	32.68	13.09	33.55	107	220	A	H
		5350.08	65.21	-8.79	74	53.08	32.6	13.15	33.62	107	220	P	H
		5350.32	49.83	-4.17	54	37.7	32.6	13.15	33.62	107	220	A	H
		5013.6	51.63	-22.37	74	39.3	32.7	12.65	33.02	101	14	P	V
		5090.78	42.61	-11.39	54	30.13	32.86	12.78	33.16	101	14	A	V
	*	5310	98.28	-	-	86.06	32.68	13.09	33.55	101	14	P	V
	*	5310	91	-	-	78.78	32.68	13.09	33.55	101	14	A	V
		5350.32	61.62	-12.38	74	49.49	32.6	13.15	33.62	101	14	P	V
		5350.08	46.92	-7.08	54	34.79	32.6	13.15	33.62	101	14	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		10540	48.39	-19.81	68.2	30.5	37.54	19.41	39.06	-	-	P	H
		15810	52.02	-21.98	74	32.35	41.08	23.62	45.03	-	-	P	H
		15810	40.88	-13.12	54	21.21	41.08	23.62	45.03	-	-	A	H
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													H
		10540	48.61	-19.59	68.2	30.72	37.54	19.41	39.06	-	-	P	V
		15810	51.77	-22.23	74	32.1	41.08	23.62	45.03	-	-	P	V
		15810	40.72	-13.28	54	21.05	41.08	23.62	45.03	-	-	A	V
													V
													V
													V
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													V
													V

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 62 5310MHz		10620	48.33	-25.67	74	30.4	37.6	19.48	39.15	-	-	P	H
		10620	40.05	-13.95	54	22.12	37.6	19.48	39.15	-	-	A	H
		15930	52.25	-21.75	74	32.81	40.9	23.72	45.18	-	-	P	H
		15930	40.35	-13.65	54	20.91	40.9	23.72	45.18	-	-	A	H
													H
													H
													H
													H
													H
													H
													H
													H
		10620	47.53	-26.47	74	29.6	37.6	19.48	39.15	-	-	P	V
		10620	40.03	-13.97	54	22.1	37.6	19.48	39.15	-	-	A	V
		15930	51.17	-22.83	74	31.73	40.9	23.72	45.18	-	-	P	V
		15930	40.18	-13.82	54	20.74	40.9	23.72	45.18	-	-	A	V
													V
													V
													V
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												V	
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												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		5098.7	51.11	-22.89	74	38.61	32.89	12.79	33.18	107	211	P	H
		5144	45.97	-8.03	54	33.56	32.81	12.86	33.26	107	211	A	H
	*	5290	99.1	-	-	86.87	32.68	13.07	33.52	107	211	P	H
	*	5290	91.5	-	-	79.27	32.68	13.07	33.52	107	211	A	H
		5353.2	61.56	-12.44	74	49.43	32.61	13.15	33.63	107	211	P	H
		5350.56	50.76	-3.24	54	38.63	32.6	13.15	33.62	107	211	A	H
		5037.5	51.89	-22.11	74	39.57	32.7	12.69	33.07	101	12	P	V
		5104.1	44.06	-9.94	54	31.56	32.89	12.8	33.19	101	12	A	V
	*	5290	94.49	-	-	82.26	32.68	13.07	33.52	101	12	P	V
	*	5290	87.25	-	-	75.02	32.68	13.07	33.52	101	12	A	V
		5350.56	57.74	-16.26	74	45.61	32.6	13.15	33.62	101	12	P	V
		5350.56	50.09	-3.91	54	37.96	32.6	13.15	33.62	101	12	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		10580	48.51	-19.69	68.2	30.59	37.58	19.45	39.11	-	-	P	H
		15870	51.6	-22.4	74	32.07	40.96	23.67	45.1	-	-	P	H
		15870	41.74	-12.26	54	22.21	40.96	23.67	45.1	-	-	A	H
													H
													H
													H
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													H
													H
		10580	47.82	-20.38	68.2	29.9	37.58	19.45	39.11	-	-	P	V
		15870	52.75	-21.25	74	33.22	40.96	23.67	45.1	-	-	P	V
		15870	41.39	-12.61	54	21.86	40.96	23.67	45.1	-	-	A	V
													V
													V
													V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 2 5250~5350MHz

Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant. 4		(MHz)	(dBμV/m)	(dB)	Line (dBμV/m)	Level (dBμV)	Factor (dB/m)	Loss (dB)	Factor (dB)	Pos (cm)	Pos (deg)	Avg. (P/A)	(H/V)
802.11a CH 100 5500MHz		5459.28	60.45	-13.55	74	48.16	32.84	13.27	33.82	116	251	P	H
		5463.6	64.95	-3.25	68.2	52.66	32.85	13.27	33.83	116	251	P	H
		5459.12	45.46	-8.54	54	33.17	32.84	13.27	33.82	116	251	A	H
	*	5500	107.61	-	-	95.19	33	13.31	33.89	116	251	P	H
	*	5500	100.43	-	-	88.01	33	13.31	33.89	116	251	A	H
													H
		5459.44	55.6	-18.4	74	43.31	32.84	13.27	33.82	374	172	P	V
		5462.8	55.69	-12.51	68.2	43.39	32.85	13.27	33.82	374	172	P	V
		5458.16	42.91	-11.09	54	30.63	32.83	13.27	33.82	374	172	A	V
	*	5500	101.88	-	-	89.46	33	13.31	33.89	374	172	P	V
	*	5500	94.16	-	-	81.74	33	13.31	33.89	374	172	A	V
													V
802.11a CH 116 5580MHz		5447.92	49.09	-24.91	74	36.83	32.8	13.26	33.8	100	267	P	H
		5460.64	49.26	-18.94	68.2	36.97	32.84	13.27	33.82	100	267	P	H
		5457.28	41.22	-12.78	54	28.94	32.83	13.26	33.81	100	267	A	H
	*	5580	107.56	-	-	94.96	33.18	13.38	33.96	100	267	P	H
	*	5580	100.43	-	-	87.83	33.18	13.38	33.96	100	267	A	H
		5731.295	51.14	-17.06	68.2	37.65	33.99	13.59	34.09	100	267	P	H
		5430.16	48.65	-25.35	74	36.42	32.76	13.24	33.77	389	168	P	V
		5468.08	48.33	-19.87	68.2	36.02	32.87	13.27	33.83	389	168	P	V
		5458.96	40.44	-13.56	54	28.15	32.84	13.27	33.82	389	168	A	V
	*	5580	102.31	-	-	89.71	33.18	13.38	33.96	389	168	P	V
	*	5580	95.13	-	-	82.53	33.18	13.38	33.96	389	168	A	V
		5745.155	49.83	-18.37	68.2	36.25	34.07	13.61	34.1	389	168	P	V



802.11a CH 140 5700MHz	*	5700	105.42	-	-	92.13	33.8	13.55	34.06	100	273	P	H
	*	5700	97.69	-	-	84.4	33.8	13.55	34.06	100	273	A	H
		5727.72	63.77	-4.43	68.2	50.3	33.97	13.59	34.09	100	273	P	H
													H
													H
													H
	*	5700	100.16	-	-	86.87	33.8	13.55	34.06	400	168	P	V
	*	5700	93.1	-	-	79.81	33.8	13.55	34.06	400	168	A	V
		5725.08	60	-8.2	68.2	46.55	33.95	13.58	34.08	400	168	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	48.05	-25.95	74	29.95	37.9	19.77	39.57	-	-	P	H
		11000	39.56	-14.44	54	21.46	37.9	19.77	39.57	-	-	A	H
		16500	51.31	-16.89	68.2	32.13	40.8	24.21	45.83	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
													H
		11000	48.59	-25.41	74	30.49	37.9	19.77	39.57	-	-	P	V
		11000	39.49	-14.51	54	21.39	37.9	19.77	39.57	-	-	A	V
		16500	50.56	-17.64	68.2	31.38	40.8	24.21	45.83	-	-	P	V
													V
													V
													V
													V
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													V
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													V



WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 116 5580MHz		11160	51.01	-22.99	74	32.48	38.32	19.87	39.66	-	-	P	H
		11160	40.85	-13.15	54	22.32	38.32	19.87	39.66	-	-	A	H
		16740	52.56	-15.64	68.2	33.43	40.62	24.42	45.91	-	-	P	H
													H
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													H
													H
													H
													H
													H
		11160	50.08	-23.92	74	31.55	38.32	19.87	39.66	-	-	P	V
		11160	40.76	-13.24	54	22.23	38.32	19.87	39.66	-	-	A	V
		16740	54.12	-14.08	68.2	34.99	40.62	24.42	45.91	-	-	P	V
													V
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WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 140 5700MHz		11400	49.19	-24.81	74	30.24	38.7	20.05	39.8	-	-	P	H
		11400	40.46	-13.54	54	21.51	38.7	20.05	39.8	-	-	A	H
		17100	50.87	-17.33	68.2	32.04	40.2	24.73	46.1	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
													H
		11400	49.1	-24.9	74	30.15	38.7	20.05	39.8	-	-	P	V
		11400	40.38	-13.62	54	21.43	38.7	20.05	39.8	-	-	A	V
		17100	50.79	-17.41	68.2	31.96	40.2	24.73	46.1	-	-	P	V
													V
													V
													V
													V
													V
													V
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line. 3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		5457.36	58.52	-15.48	74	46.24	32.83	13.26	33.81	100	261	P	H
		5468.72	64.75	-3.45	68.2	52.43	32.87	13.28	33.83	100	261	P	H
		5459.76	44.45	-9.55	54	32.16	32.84	13.27	33.82	100	261	A	H
	*	5500	105.11	-	-	92.69	33	13.31	33.89	100	261	P	H
	*	5500	97.28	-	-	84.86	33	13.31	33.89	100	261	A	H
													H
		5458.32	52.85	-21.15	74	40.57	32.83	13.27	33.82	349	166	P	V
		5467.12	59.38	-8.82	68.2	47.07	32.87	13.27	33.83	349	166	P	V
		5459.76	43.1	-10.9	54	30.81	32.84	13.27	33.82	349	166	A	V
	*	5500	104.19	-	-	91.77	33	13.31	33.89	349	166	P	V
	*	5500	96.94	-	-	84.52	33	13.31	33.89	349	166	A	V
													V
802.11n HT20 CH 116 5580MHz		5446.96	50.29	-23.71	74	38.05	32.79	13.25	33.8	100	269	P	H
		5465.92	49.59	-18.61	68.2	37.29	32.86	13.27	33.83	100	269	P	H
		5459.68	41.21	-12.79	54	28.92	32.84	13.27	33.82	100	269	A	H
	*	5580	108.24	-	-	95.64	33.18	13.38	33.96	100	269	P	H
	*	5580	100.93	-	-	88.33	33.18	13.38	33.96	100	269	A	H
		5739.17	51.57	-16.63	68.2	38.03	34.04	13.6	34.1	100	269	P	H
		5456.56	49.04	-24.96	74	36.76	32.83	13.26	33.81	389	168	P	V
		5469.52	49.16	-19.04	68.2	36.84	32.88	13.28	33.84	389	168	P	V
		5455.84	40.4	-13.6	54	28.13	32.82	13.26	33.81	389	168	A	V
	*	5580	102.98	-	-	90.38	33.18	13.38	33.96	389	168	P	V
	*	5580	95.31	-	-	82.71	33.18	13.38	33.96	389	168	A	V
		5759.33	50.71	-17.49	68.2	37.09	34.1	13.63	34.11	389	168	P	V



802.11n HT20 CH 140 5700MHz	*	5700	105.78	-	-	92.49	33.8	13.55	34.06	100	278	P	H
	*	5700	97.89	-	-	84.6	33.8	13.55	34.06	100	278	A	H
		5726.68	64.92	-3.28	68.2	51.46	33.96	13.58	34.08	100	278	P	H
													H
													H
													H
	*	5700	99.34	-	-	86.05	33.8	13.55	34.06	400	340	P	V
	*	5700	91.66	-	-	78.37	33.8	13.55	34.06	400	340	A	V
		5725.8	59.82	-8.38	68.2	46.37	33.95	13.58	34.08	400	340	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 100 5500MHz		11000	49.05	-24.95	74	30.95	37.9	19.77	39.57	-	-	P	H
		11000	39.51	-14.49	54	21.41	37.9	19.77	39.57	-	-	A	H
		16500	51.6	-16.6	68.2	32.42	40.8	24.21	45.83	-	-	P	H
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		11000	49.03	-24.97	74	30.93	37.9	19.77	39.57	-	-	P	V
		11000	39.42	-14.58	54	21.32	37.9	19.77	39.57	-	-	A	V
		16500	50.67	-17.53	68.2	31.49	40.8	24.21	45.83	-	-	P	V
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WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 116 5580MHz		11160	49.99	-24.01	74	31.46	38.32	19.87	39.66	-	-	P	H
		11160	40.49	-13.51	54	21.96	38.32	19.87	39.66	-	-	A	H
		16740	52.2	-16	68.2	33.07	40.62	24.42	45.91	-	-	P	H
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		11160	50.81	-23.19	74	32.28	38.32	19.87	39.66	-	-	P	V
		11160	40.6	-13.4	54	22.07	38.32	19.87	39.66	-	-	A	V
		16740	52.32	-15.88	68.2	33.19	40.62	24.42	45.91	-	-	P	V
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WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 140 5700MHz		11400	49.36	-24.64	74	30.41	38.7	20.05	39.8	-	-	P	H
		11400	40.28	-13.72	54	21.33	38.7	20.05	39.8	-	-	A	H
		17100	50.65	-17.55	68.2	31.82	40.2	24.73	46.1	-	-	P	H
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		11400	50	-24	74	31.05	38.7	20.05	39.8	-	-	P	V
		11400	40.46	-13.54	54	21.51	38.7	20.05	39.8	-	-	A	V
		17100	50.81	-17.39	68.2	31.98	40.2	24.73	46.1	-	-	P	V
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Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		5457.28	59.02	-14.98	74	46.74	32.83	13.26	33.81	114	280	P	H
		5469.76	64.75	-3.45	68.2	52.43	32.88	13.28	33.84	114	280	P	H
		5457.28	45.39	-8.61	54	33.11	32.83	13.26	33.81	114	280	A	H
	*	5510	102.15	-	-	89.74	33	13.31	33.9	114	280	P	H
	*	5510	94.41	-	-	82	33	13.31	33.9	114	280	A	H
		5748.305	51.72	-16.48	68.2	38.11	34.09	13.62	34.1	114	280	P	H
		5458.72	55.09	-18.91	74	42.81	32.83	13.27	33.82	348	175	P	V
		5470	62.14	-6.06	68.2	49.82	32.88	13.28	33.84	348	175	P	V
		5458	42.82	-11.18	54	30.54	32.83	13.27	33.82	348	175	A	V
	*	5510	98.84	-	-	86.43	33	13.31	33.9	348	175	P	V
	*	5510	91.22	-	-	78.81	33	13.31	33.9	348	175	A	V
		5740.43	50.96	-17.24	68.2	37.42	34.04	13.6	34.1	348	175	P	V
802.11n HT40 CH 110 5550MHz		5458	57.96	-16.04	74	45.68	32.83	13.27	33.82	112	281	P	H
		5470	62.49	-5.71	68.2	50.17	32.88	13.28	33.84	112	281	P	H
		5457.28	48.8	-5.2	54	36.52	32.83	13.26	33.81	112	281	A	H
	*	5550	106.22	-	-	93.8	33	13.35	33.93	112	281	P	H
	*	5550	98.42	-	-	86	33	13.35	33.93	112	281	A	H
		5730.98	51.52	-16.68	68.2	38.03	33.99	13.59	34.09	112	281	P	H
		5459.92	56.55	-17.45	74	44.26	32.84	13.27	33.82	348	175	P	V
		5469.52	57.72	-10.48	68.2	45.4	32.88	13.28	33.84	348	175	P	V
		5459.2	45.55	-8.45	54	33.26	32.84	13.27	33.82	348	175	A	V
	*	5550	102.18	-	-	89.76	33	13.35	33.93	348	175	P	V
	*	5550	94.87	-	-	82.45	33	13.35	33.93	348	175	A	V
		5736.65	51.47	-16.73	68.2	37.94	34.02	13.6	34.09	348	175	P	V



802.11n HT40 CH 134 5670MHz		5444.15	48.46	-25.54	74	36.21	32.79	13.25	33.79	115	266	P	H
		5470	47.66	-20.54	68.2	35.34	32.88	13.28	33.84	115	266	P	H
		5458.5	40.66	-13.34	54	28.38	32.83	13.27	33.82	115	266	A	H
	*	5670	104.66	-	-	91.58	33.62	13.5	34.04	115	266	P	H
	*	5670	97.55	-	-	84.47	33.62	13.5	34.04	115	266	A	H
		5730.175	62.99	-5.21	68.2	49.51	33.98	13.59	34.09	115	266	P	H
		5446.25	49.22	-24.78	74	36.97	32.79	13.25	33.79	366	165	P	V
		5467.95	48.53	-19.67	68.2	36.22	32.87	13.27	33.83	366	165	P	V
		5432.25	40.53	-13.47	54	28.3	32.76	13.24	33.77	366	165	A	V
	*	5670	102.91	-	-	89.83	33.62	13.5	34.04	366	165	P	V
	*	5670	95.24	-	-	82.16	33.62	13.5	34.04	366	165	A	V
		5727.9	56.22	-11.98	68.2	42.75	33.97	13.59	34.09	366	165	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	48.43	-25.57	74	30.27	37.96	19.78	39.58	-	-	P	H
		11020	40.29	-13.71	54	22.13	37.96	19.78	39.58	-	-	A	H
		16530	50.99	-17.21	68.2	31.82	40.77	24.24	45.84	-	-	P	H
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		11020	48.8	-25.2	74	30.64	37.96	19.78	39.58	-	-	P	V
		11020	40.25	-13.75	54	22.09	37.96	19.78	39.58	-	-	A	V
		16530	50.56	-17.64	68.2	31.39	40.77	24.24	45.84	-	-	P	V
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WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 110 5550MHz		11100	51.72	-22.28	74	33.31	38.2	19.84	39.63	-	-	P	H
		11100	40.5	-13.5	54	22.09	38.2	19.84	39.63	-	-	A	H
		16650	50.85	-17.35	68.2	31.68	40.7	24.35	45.88	-	-	P	H
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		11100	50.4	-23.6	74	31.99	38.2	19.84	39.63	-	-	P	V
		11100	40.54	-13.46	54	22.13	38.2	19.84	39.63	-	-	A	V
		16650	52	-16.2	68.2	32.83	40.7	24.35	45.88	-	-	P	V
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WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
i802.11n HT40 CH 134 5670MHz		11340	50.32	-23.68	74	31.44	38.64	20.01	39.77	-	-	P	H
		11340	42.01	-11.99	54	23.13	38.64	20.01	39.77	-	-	A	H
		17010	50.7	-17.5	68.2	31.75	40.29	24.66	46	-	-	P	H
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		11340	48.98	-25.02	74	30.1	38.64	20.01	39.77	-	-	P	V
		11340	41.77	-12.23	54	22.89	38.64	20.01	39.77	-	-	A	V
		17010	51.09	-17.11	68.2	32.14	40.29	24.66	46	-	-	P	V
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Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (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.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		5449.12	57.98	-16.02	74	45.72	32.8	13.26	33.8	100	270	P	H
		5467.6	58.12	-10.08	68.2	45.81	32.87	13.27	33.83	100	270	P	H
		5455.84	48.36	-5.64	54	36.09	32.82	13.26	33.81	100	270	A	H
	*	5530	97.12	-	-	84.71	33	13.33	33.92	100	270	P	H
	*	5530	91.45	-	-	79.04	33	13.33	33.92	100	270	A	H
		5749.88	49.51	-18.69	68.2	35.89	34.1	13.62	34.1	100	270	P	H
		5456.32	52.53	-21.47	74	40.25	32.83	13.26	33.81	100	25	P	V
		5463.28	52.73	-15.47	68.2	40.43	32.85	13.27	33.82	100	25	P	V
		5452	45.12	-8.88	54	32.85	32.81	13.26	33.8	100	25	A	V
	*	5530	96.26	-	-	83.85	33	13.33	33.92	100	25	P	V
	*	5530	89.86	-	-	77.45	33	13.33	33.92	100	25	A	V
		5762.795	50.23	-17.97	68.2	36.61	34.1	13.64	34.12	100	25	P	V
802.11ac VHT80 CH 122 5610MHz		5445.55	56.4	-17.6	74	44.15	32.79	13.25	33.79	109	266	P	H
		5468.65	54.94	-13.26	68.2	42.62	32.87	13.28	33.83	109	266	P	H
		5459.55	47.36	-6.64	54	35.07	32.84	13.27	33.82	109	266	A	H
	*	5610	103.02	-	-	90.25	33.34	13.41	33.98	109	266	P	H
	*	5610	95.6	-	-	82.83	33.34	13.41	33.98	109	266	A	H
		5738.225	63.32	-4.88	68.2	49.78	34.03	13.6	34.09	109	266	P	H
		5458.85	51.68	-22.32	74	39.39	32.84	13.27	33.82	100	26	P	V
		5467.6	52.07	-16.13	68.2	39.76	32.87	13.27	33.83	100	26	P	V
		5456.4	44.75	-9.25	54	32.47	32.83	13.26	33.81	100	26	A	V
	*	5610	100.93	-	-	88.16	33.34	13.41	33.98	100	26	P	V
	*	5610	94.4	-	-	81.63	33.34	13.41	33.98	100	26	A	V
		5737.35	60.4	-7.8	68.2	46.87	34.02	13.6	34.09	100	26	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	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		11059	49.27	-24.73	74	30.99	38.08	19.8	39.6	-	-	P	H
		11060	41.83	-12.17	54	23.55	38.08	19.8	39.6	-	-	A	H
		16590	51.1	-17.1	68.2	31.96	40.71	24.29	45.86	-	-	P	H
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		11060	50.93	-23.07	74	32.65	38.08	19.8	39.6	-	-	P	V
		11060	41.49	-12.51	54	23.21	38.08	19.8	39.6	-	-	A	V
		16590	50.45	-17.75	68.2	31.31	40.71	24.29	45.86	-	-	P	V
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WIFI	Note	Frequency	Level	Margin	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.	
Ant.					Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)	
802.11ac VHT80 CH 122 5610MHz		11220	48.52	-25.48	74	29.86	38.44	19.92	39.7	-	-	P	H	
		11220	41.82	-12.18	54	23.16	38.44	19.92	39.7	-	-	A	H	
		16830	51.04	-17.16	68.2	32.01	40.47	24.5	45.94	-	-	P	H	
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													H	
		11220	49.07	-24.93	74	30.41	38.44	19.92	39.7	39.7	-	-	P	V
		11220	41.77	-12.23	54	23.11	38.44	19.92	39.7	39.7	-	-	A	V
		16830	51.04	-17.16	68.2	32.01	40.47	24.5	45.94	45.94	-	-	P	V
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Band 3 5470~5725MHz

Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF @ 3m)

WIFI Ant.	Note	Frequency	Level	Margin	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
4		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
5GHz 802.11ac VHT80 LF		30.97	23.53	-16.47	40	30.85	24.42	1.01	32.75	-	-	P	H
		132.82	23.08	-20.42	43.5	36.22	17.4	2.14	32.68	-	-	P	H
		247.28	29.69	-16.31	46	41.29	18.17	2.97	32.74	-	-	P	H
		341.37	26.04	-19.96	46	35.36	20.05	3.44	32.81	-	-	P	H
		564.47	28.54	-17.46	46	30.86	26.3	4.38	33	-	-	P	H
		767.2	32.79	-13.21	46	32.18	28.3	5.06	32.75	-	-	P	H
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		30	26.25	-13.75	40	33.01	25	0.99	32.75	-	-	P	V
		168.71	21.08	-22.42	43.5	35.63	15.63	2.51	32.69	-	-	P	V
		247.28	22.2	-23.8	46	33.8	18.17	2.97	32.74	-	-	P	V
		346.22	22.58	-23.42	46	31.68	20.25	3.46	32.81	-	-	P	V
		563.5	28.5	-17.5	46	30.82	26.3	4.38	33	-	-	P	V
		889.42	34.47	-11.53	46	31.89	29.19	5.49	32.1	-	-	P	V
													V
													V
												V	
												V	
												V	
												V	
Remark	1. No other spurious found.												
	2. All results are PASS against limit line.												
	3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or emission is noise floor only.												





Note symbol

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

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

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)
= 55.45 (dBμV/m)
2. Over Limit(dB)
= Level(dBμV/m) – Limit Line(dBμV/m)
= 55.45(dBμV/m) – 74(dBμV/m)
= -18.55(dB)

For Average Limit @ 2390MHz:

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

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



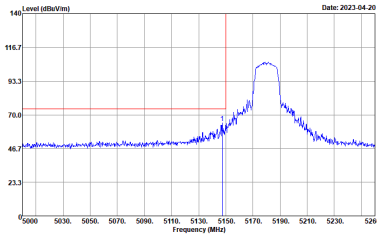
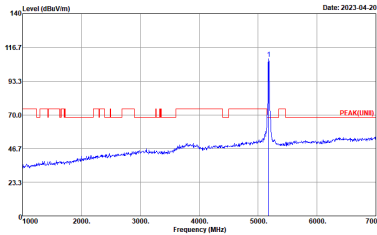
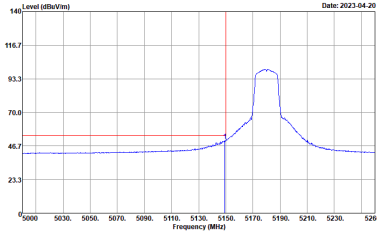
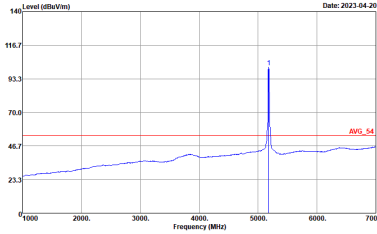
Appendix D. Radiated Spurious Emission

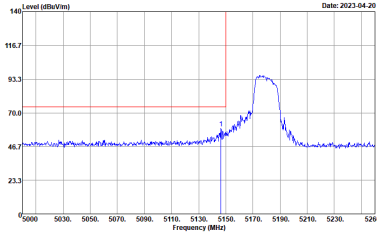
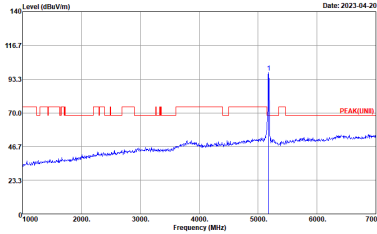
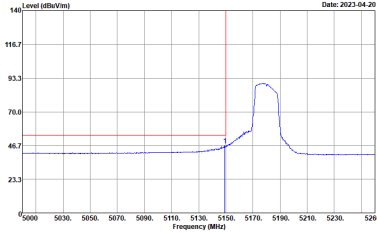
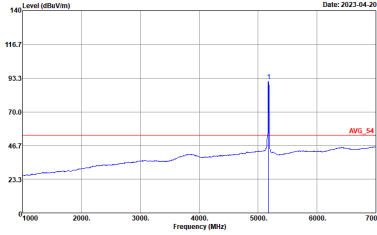
Test Engineer :	Leo Li	Temperature :	18.3~24.5°C
		Relative Humidity :	42.3~68.5%

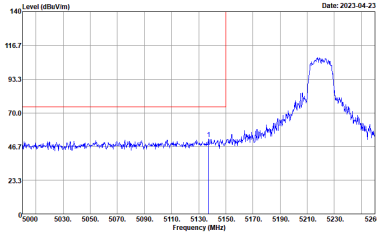
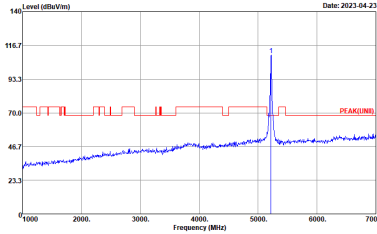
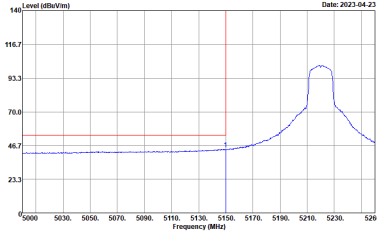
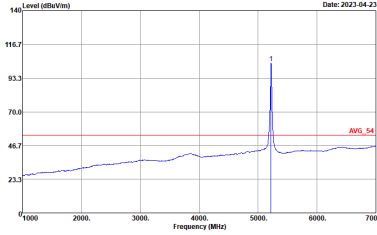
Note symbol

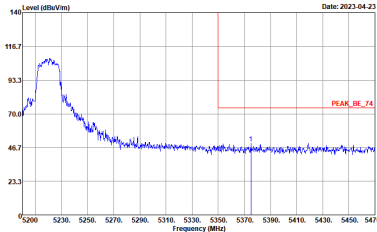
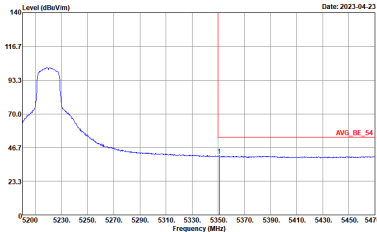
-L	Low channel location
-R	High channel location

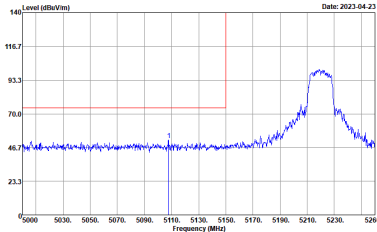
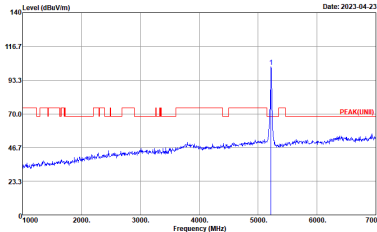
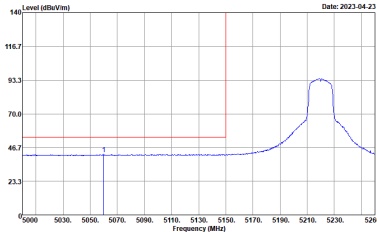
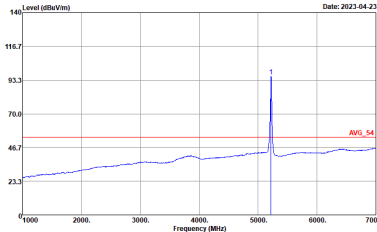
Band 1 - 5150~5250MHz
WIFI 802.11a (Band Edge @ 3m)

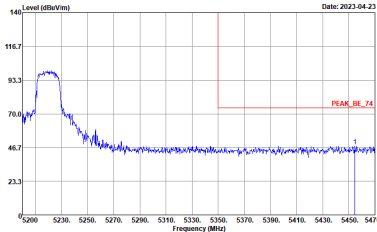
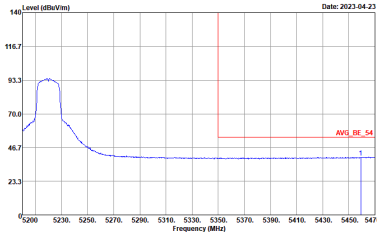
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_9C_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

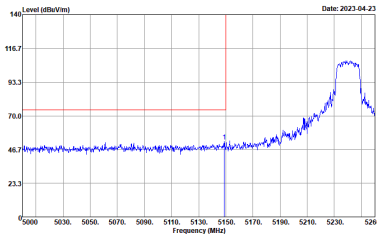
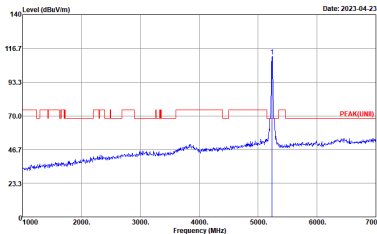
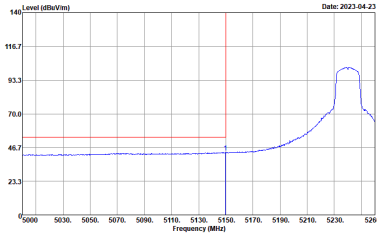
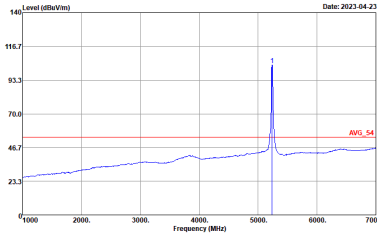
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

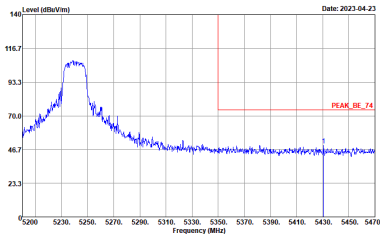
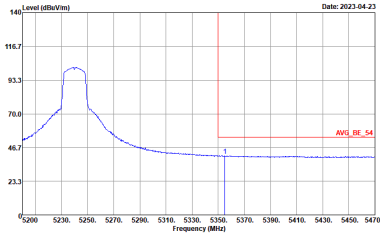
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_L230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_L230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_L230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_L230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

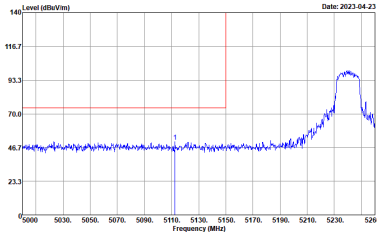
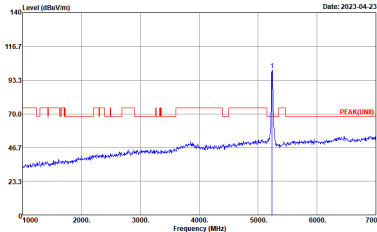
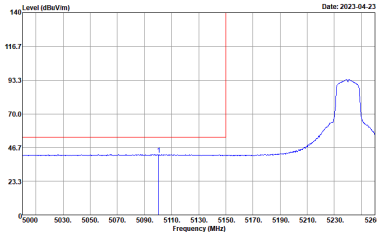
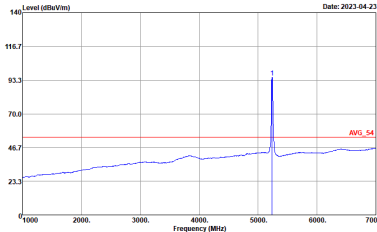
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

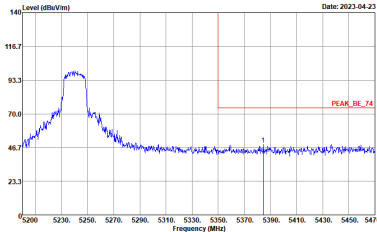
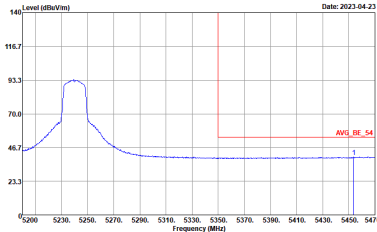
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

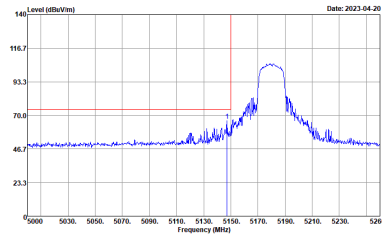
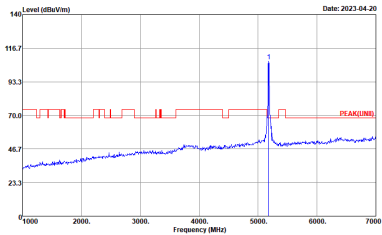
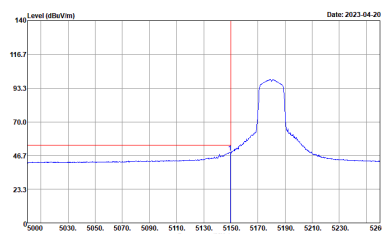
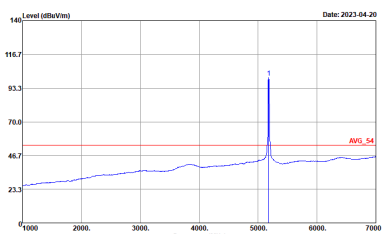
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PGAL_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

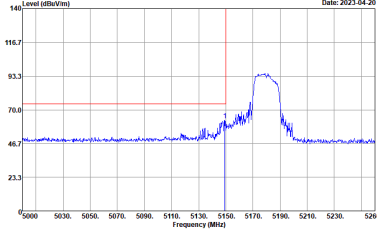
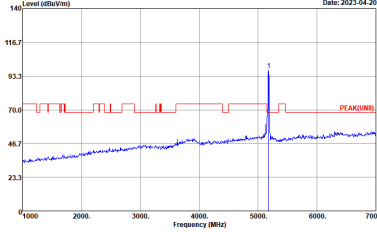
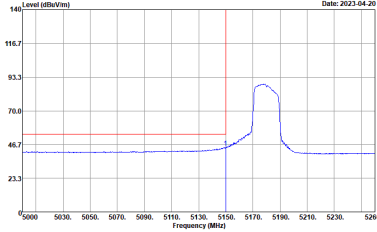
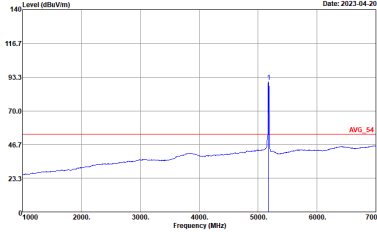
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

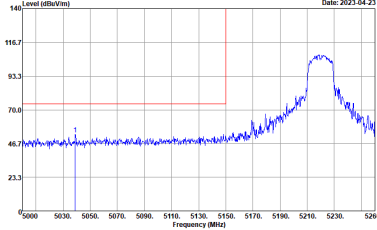
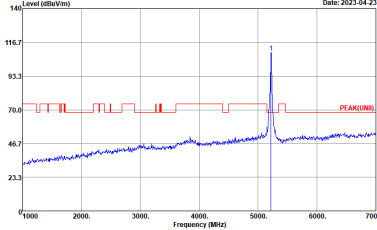
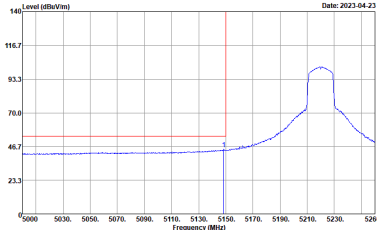
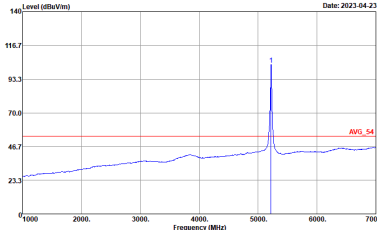
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PG4L_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

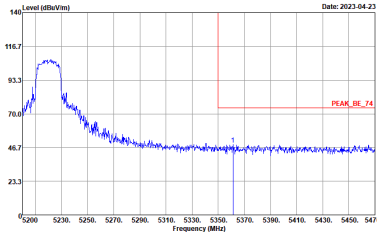
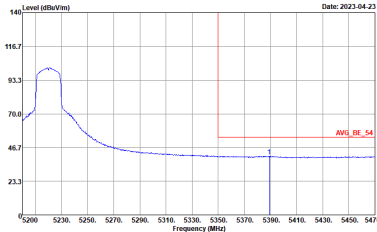
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

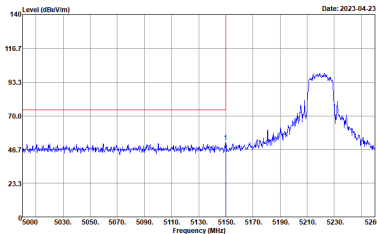
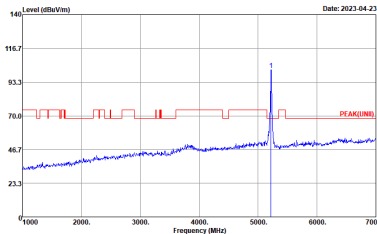
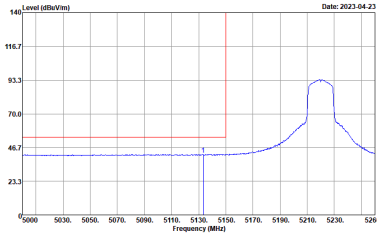
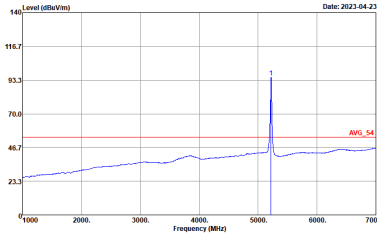
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-4Y Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-4Y Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-4Y Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-4Y Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



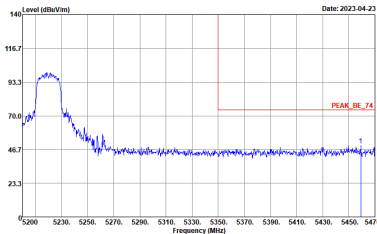
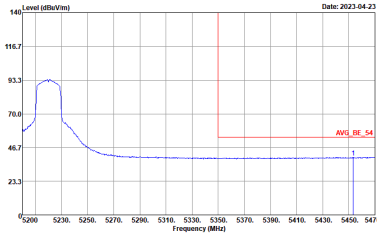
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

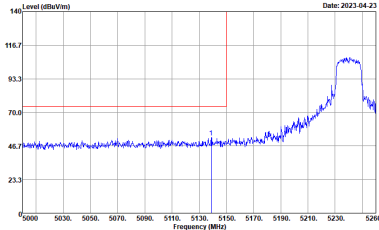
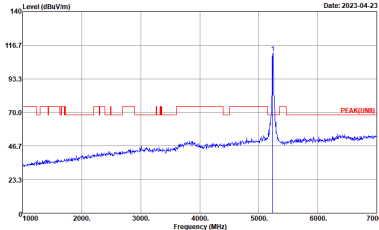
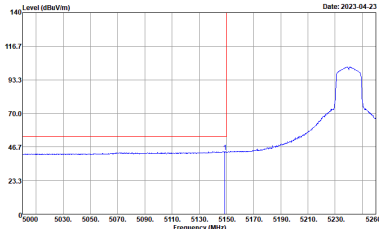
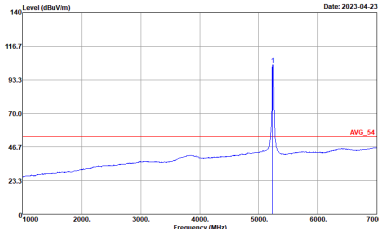
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

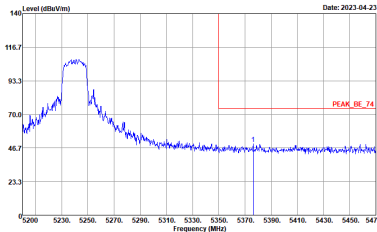
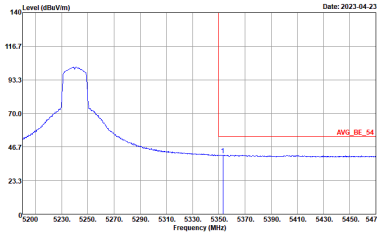
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

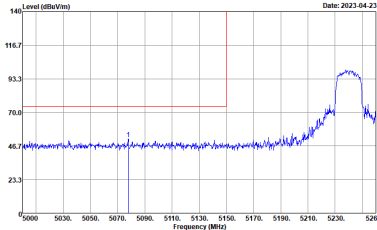
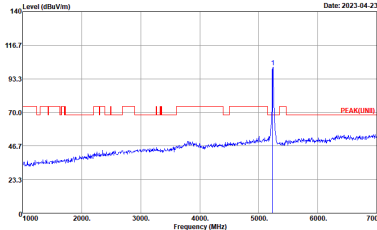
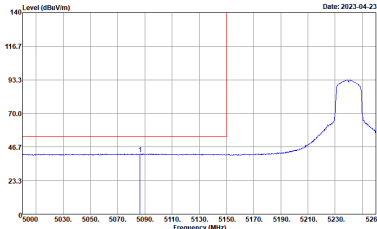
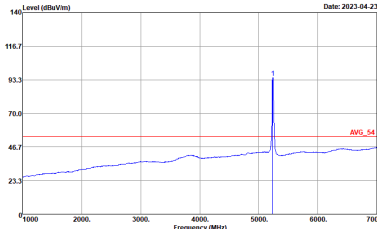


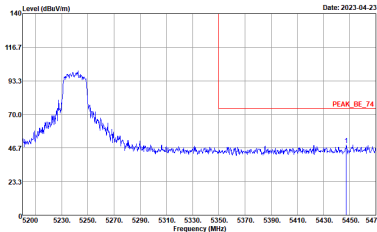
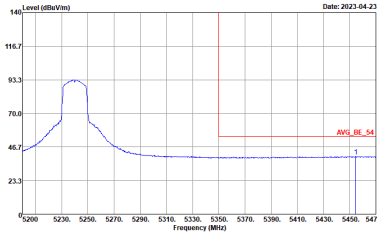
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PG4L_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_8E_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(LINE) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_8E_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

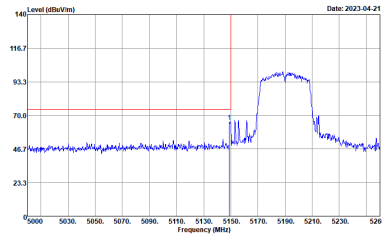
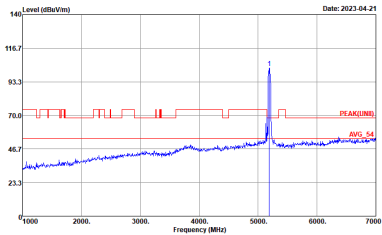
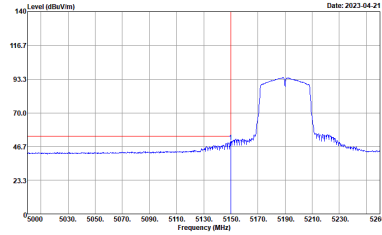
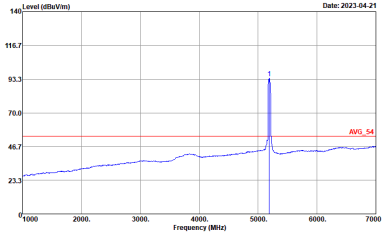


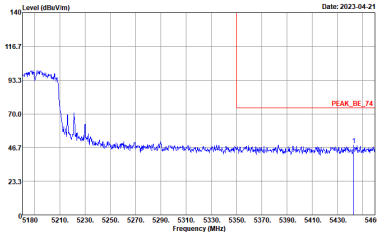
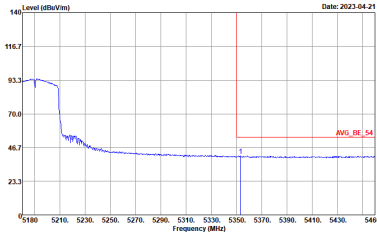
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

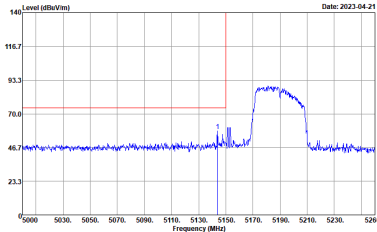
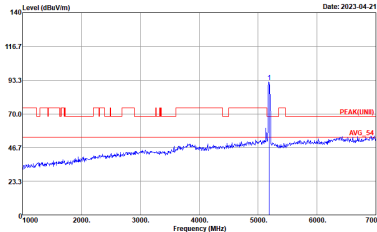
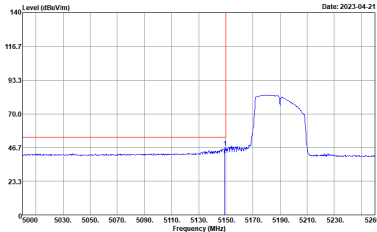
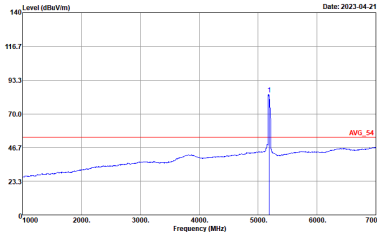
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_9E_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(LINE) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_9E_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

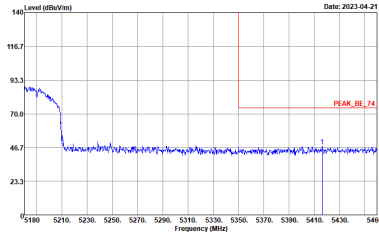
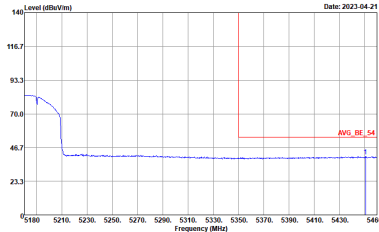
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PG4E_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

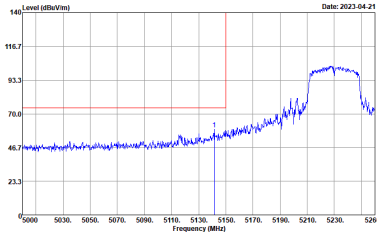
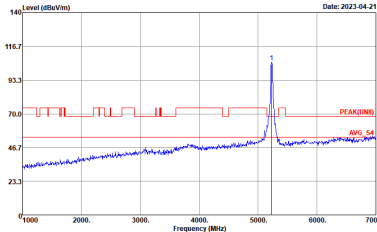
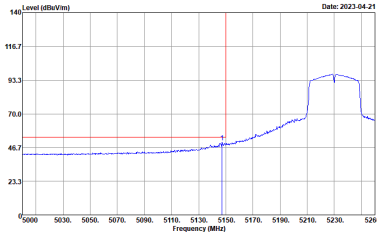
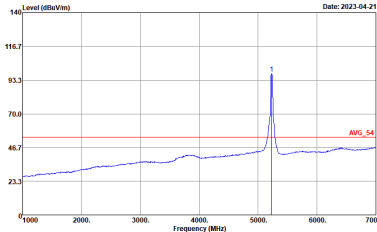
Band 1 5150~5250MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

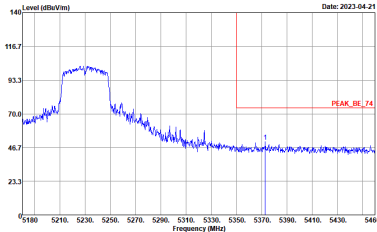
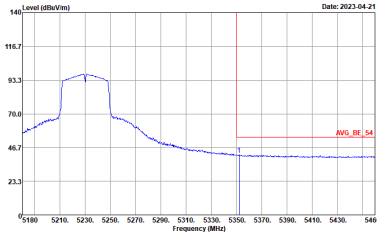
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-4Y Condition : PEAK_BE_74 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-4Y Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-4Y Condition : AVG_BE_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-4Y Condition : AVG_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

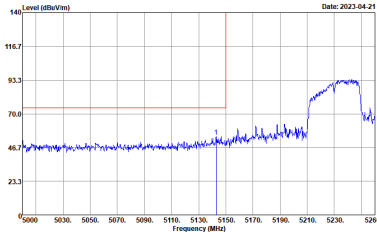
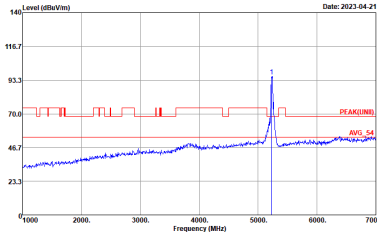
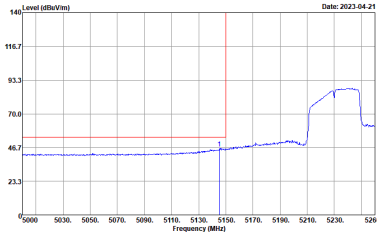
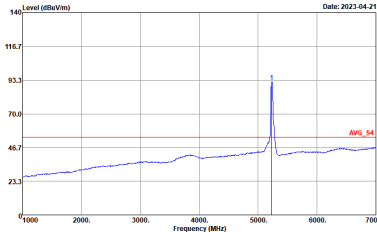
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

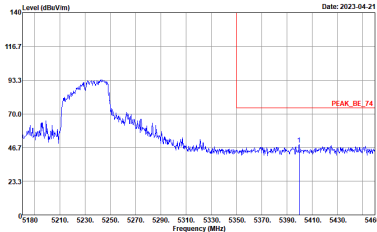
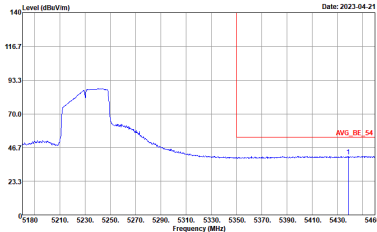
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

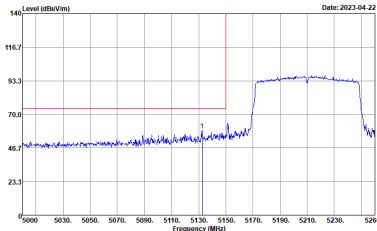
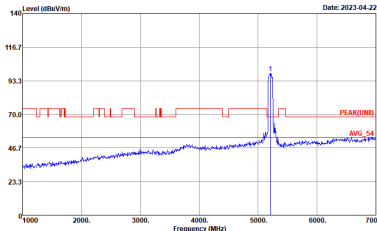
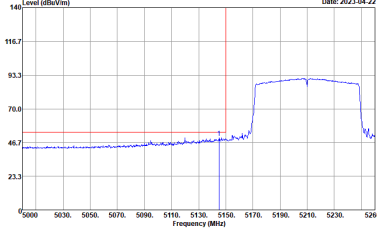
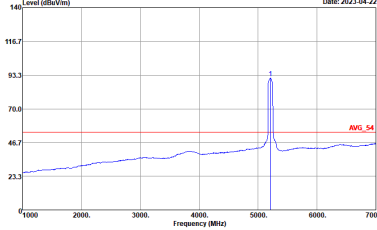
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

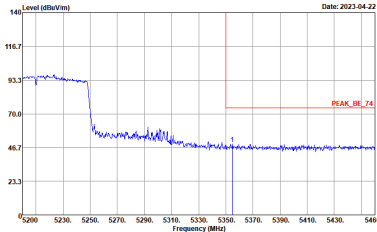
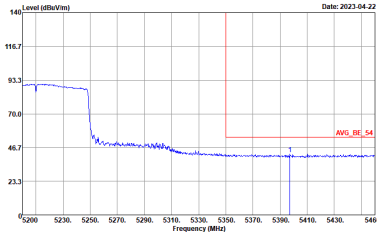
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

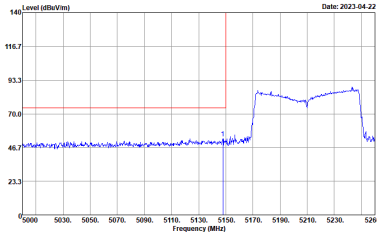
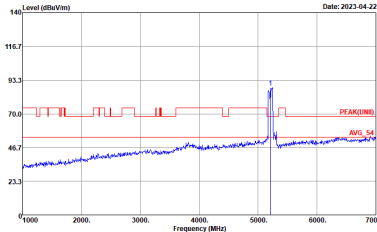
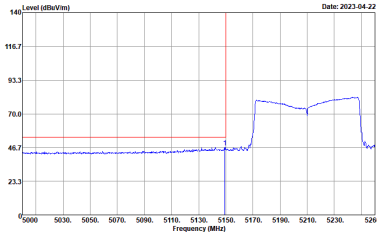
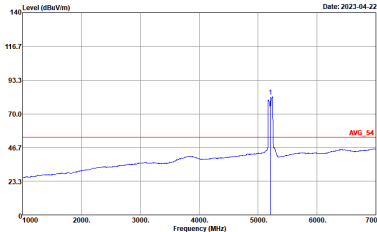
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

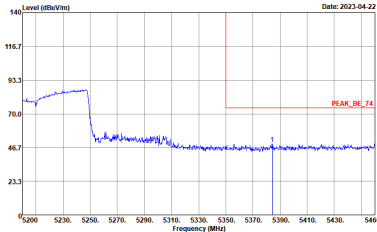
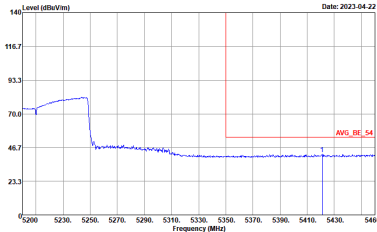
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:10.000kHz SWT:Auto

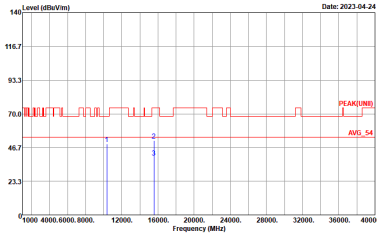
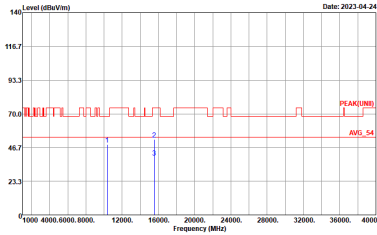


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank

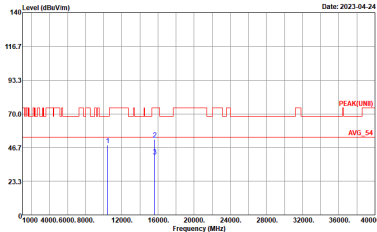
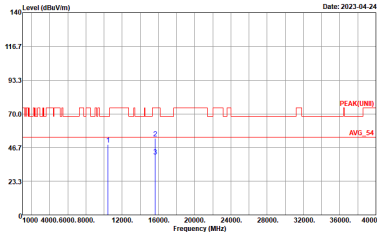
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18ENL_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18ENL_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18ENL_230705 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18ENL_230705 VERTICAL RBW:1000.000KHz VBW:10.000KHz SWT:Auto
Avg.		

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank

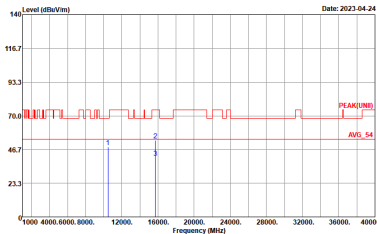
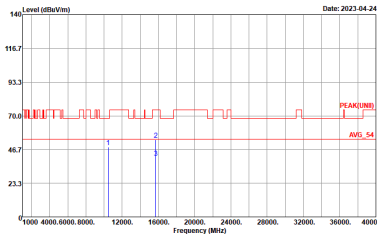
Band 1 - 5150~5250MHz
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

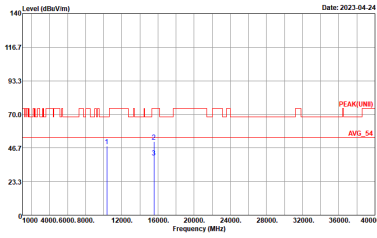
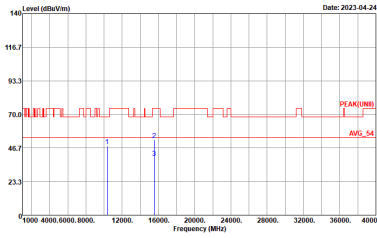


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

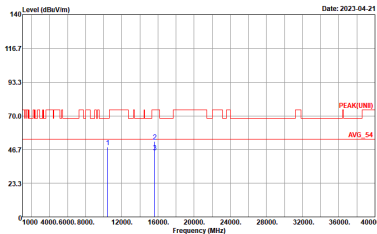
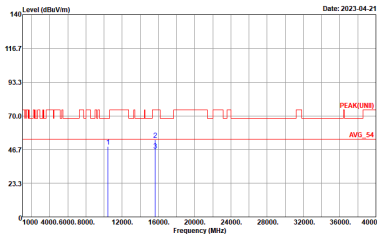


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

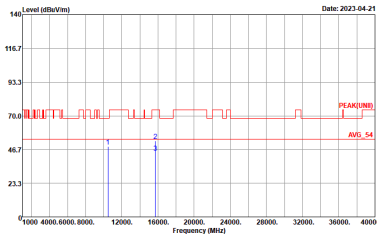
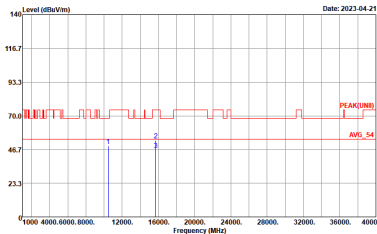
Band 1 5150~5250MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :

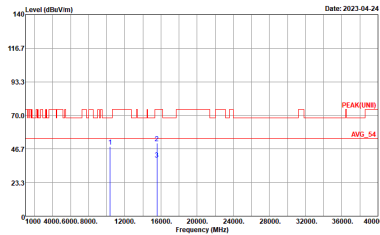
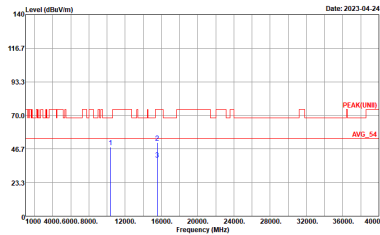


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

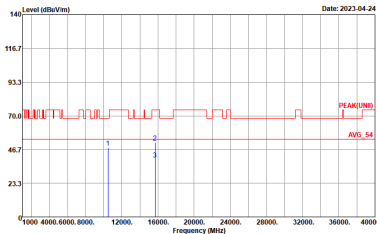
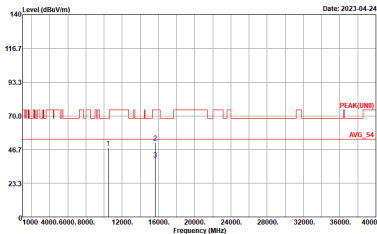


WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :



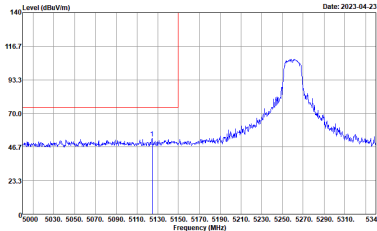
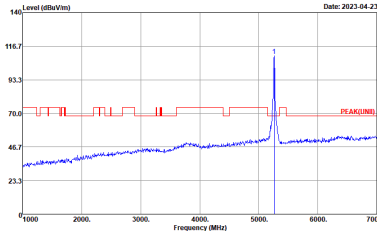
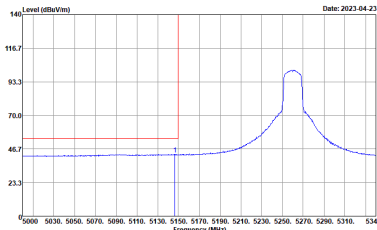
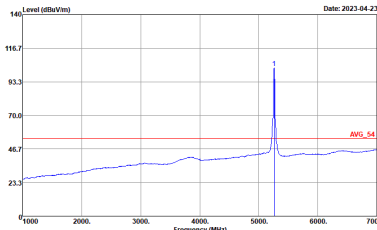
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

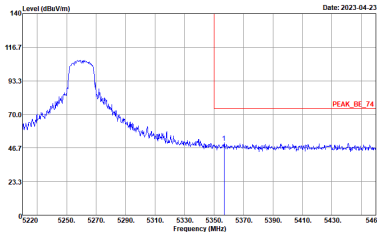
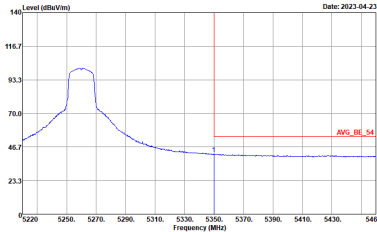


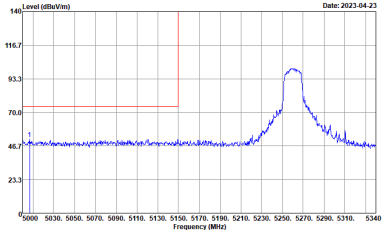
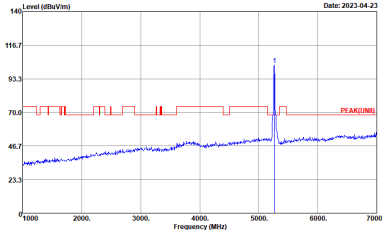
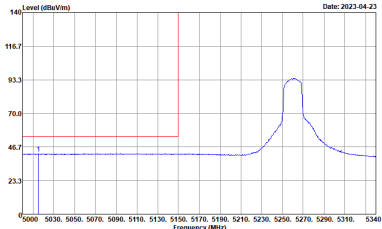
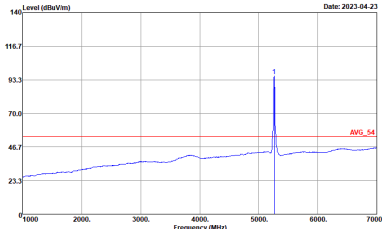
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

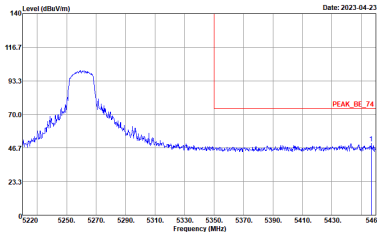
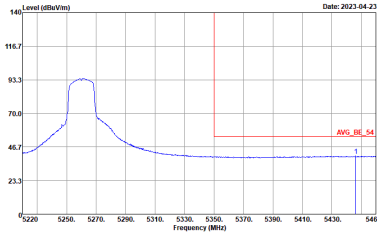
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
4	Horizontal	Vertical
Peak Avg.	Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :

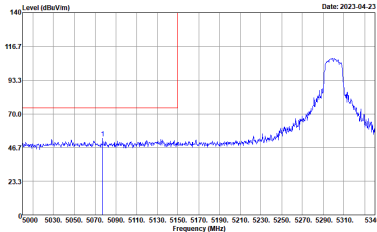
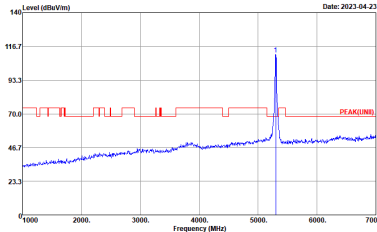
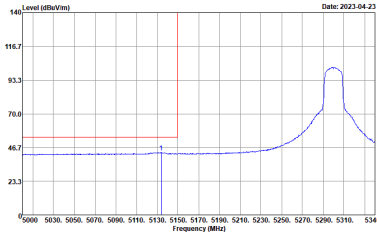
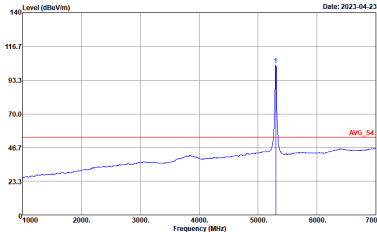
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

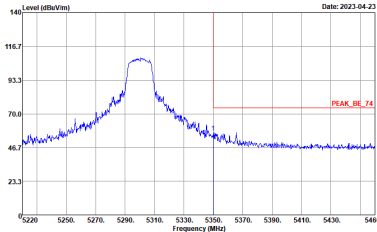
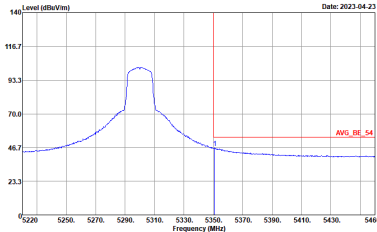
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AV6_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWT:Auto	 Site : 03CH23-HY Condition : AV6_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000kHz VBW:1000kHz SWT:Auto

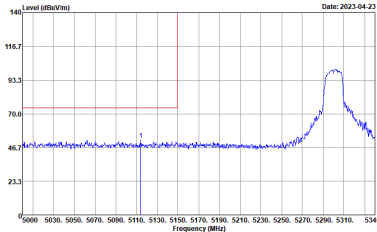
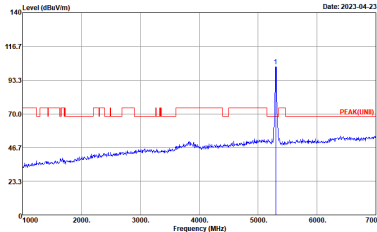
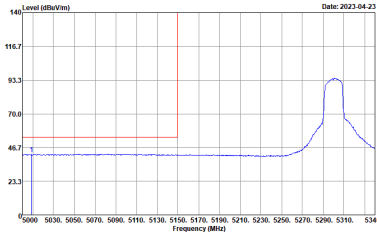
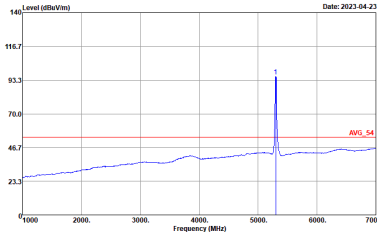
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

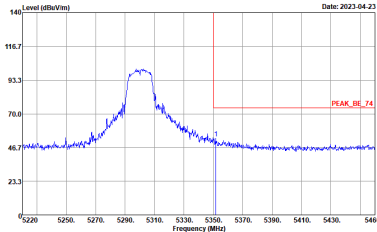
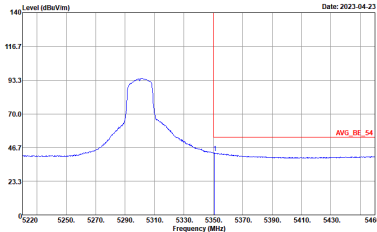
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_9E_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(LINE) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_9E_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

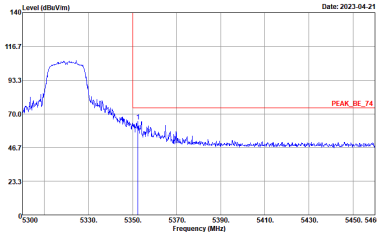
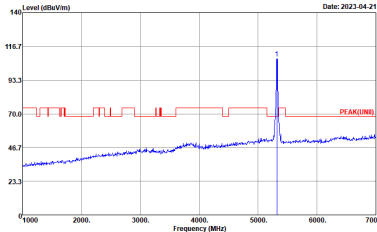
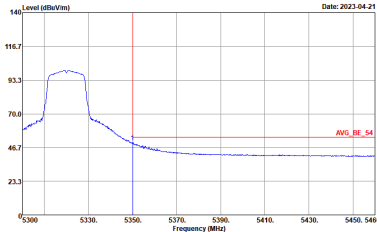
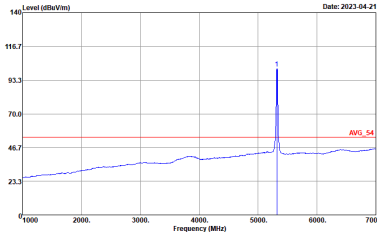
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LEZ005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LEZ005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LEZ005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LEZ005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

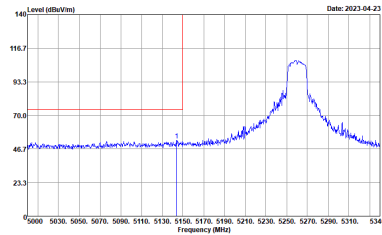
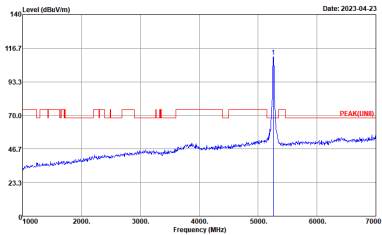
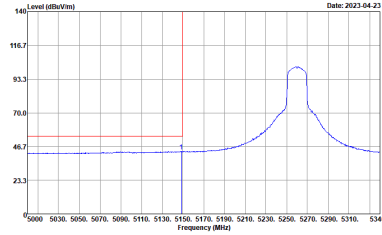
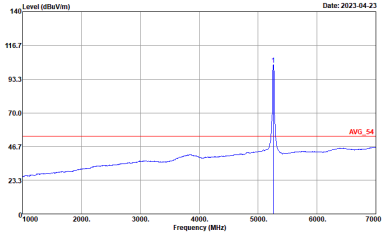
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

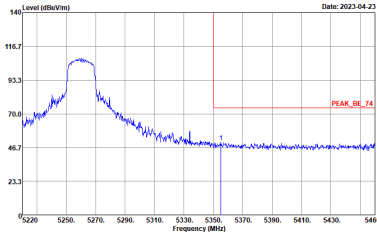
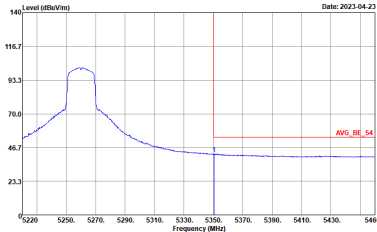
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(LINE) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

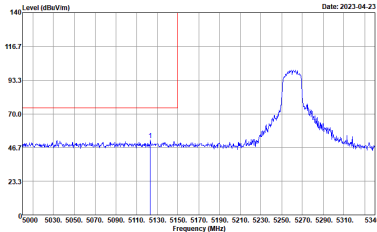
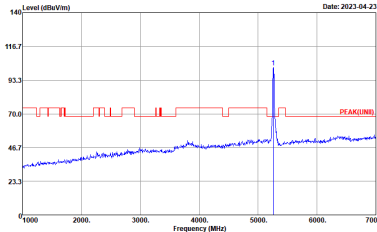
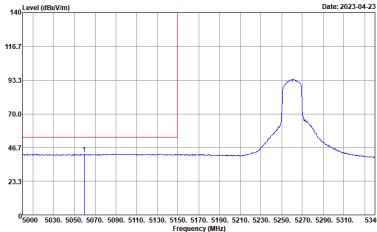
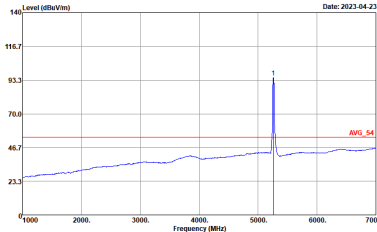


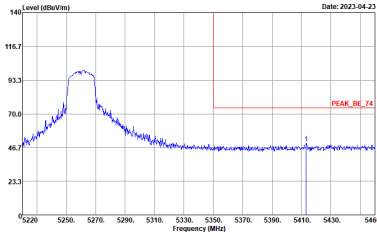
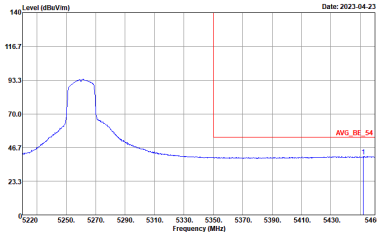
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
4	Vertical	Fundamental
Peak	Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Site : 03CH23-HY Condition : PEAK(LINE) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

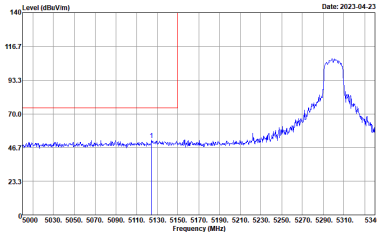
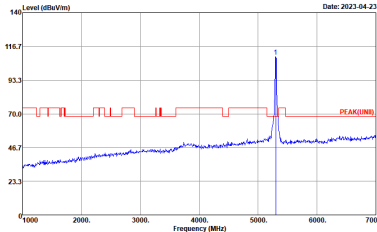
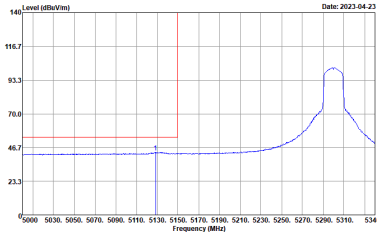
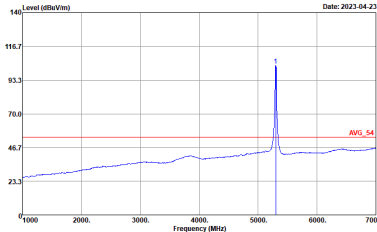
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

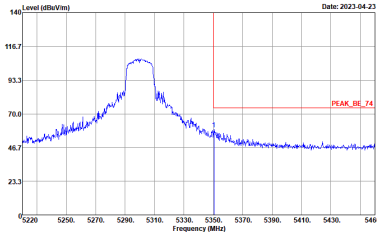
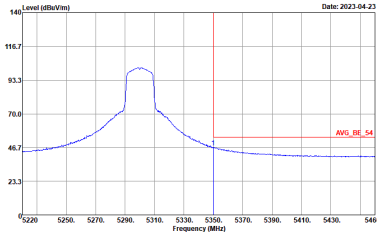
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

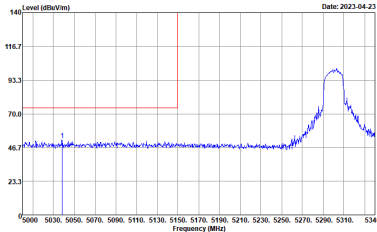
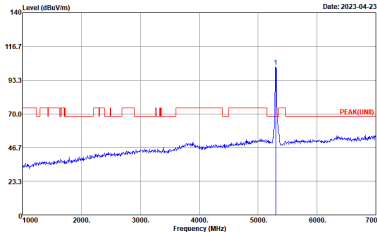
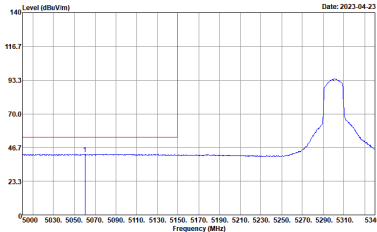
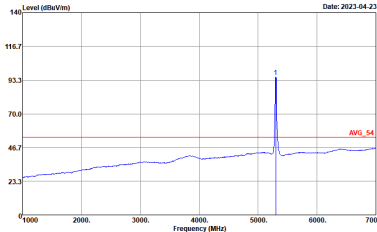
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

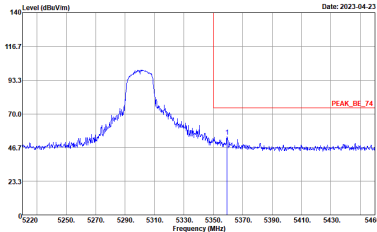
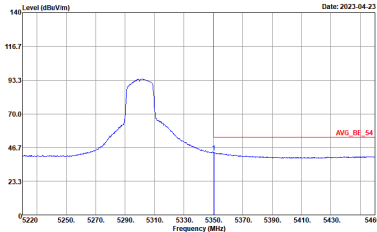
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

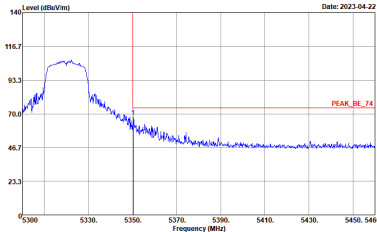
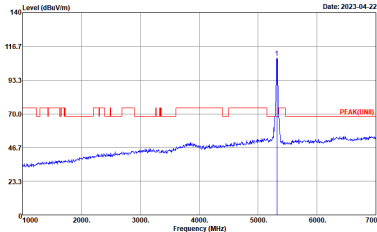
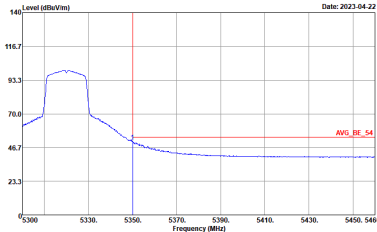
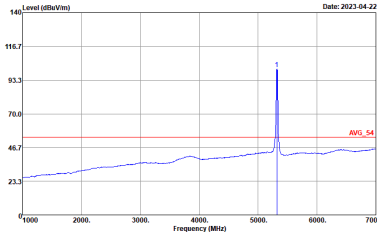
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

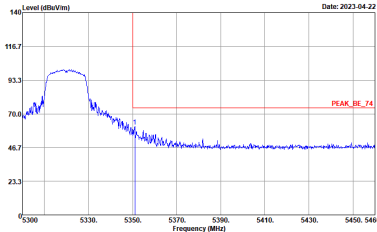
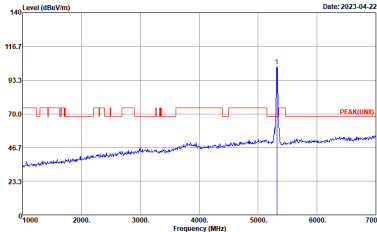
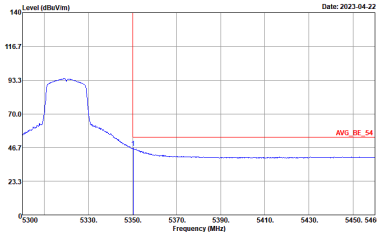
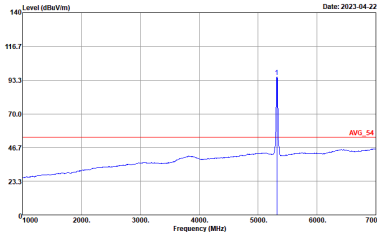
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK[LINE1] 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4	Horizontal	Vertical
Peak	 Site : 03CH23-HY Condition : PGAL_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

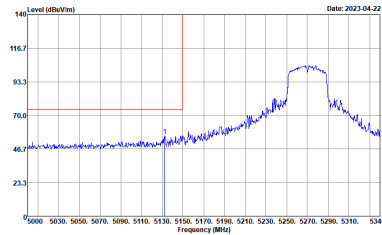
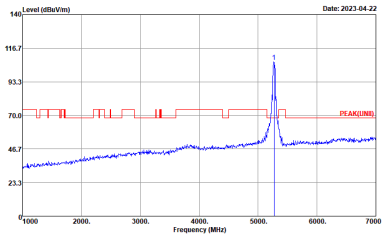
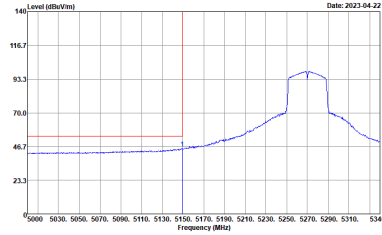
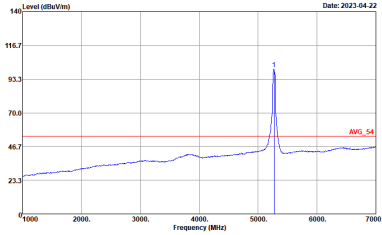
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

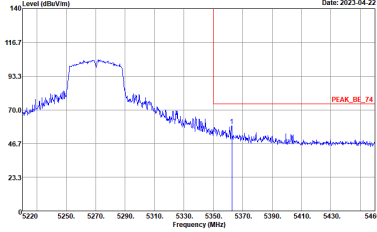
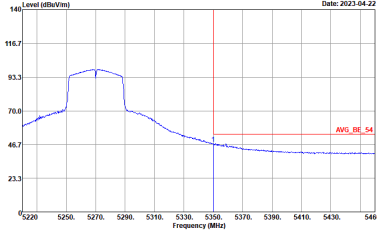
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PG4L_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	Left blank

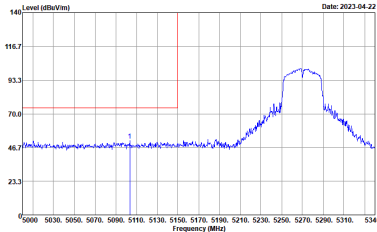
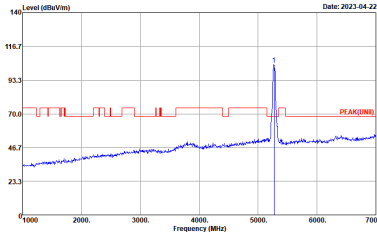
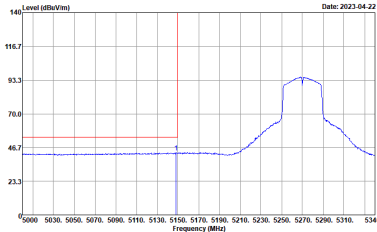
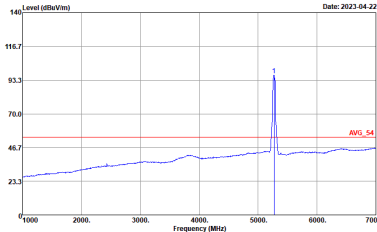
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

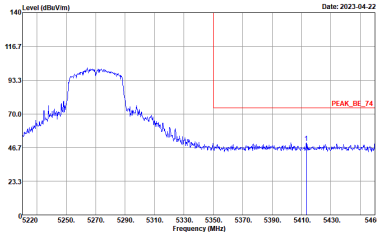
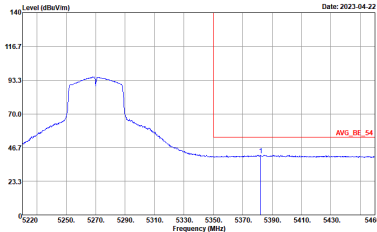
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

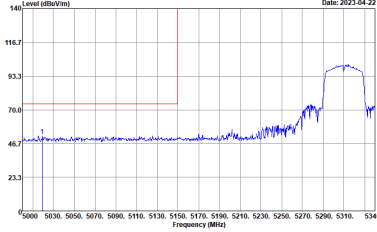
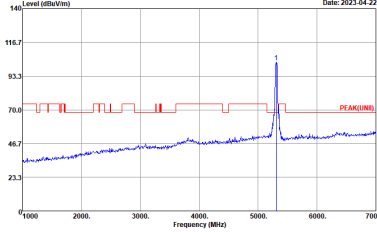
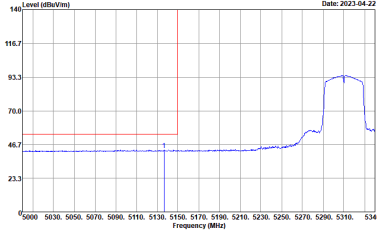
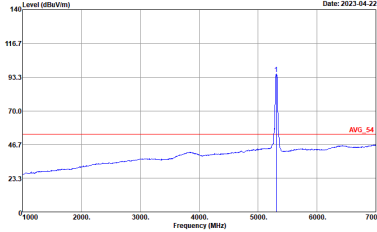
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

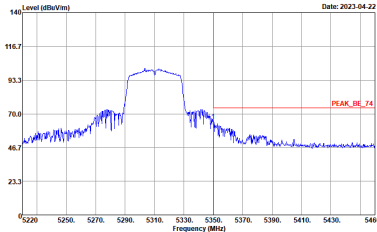
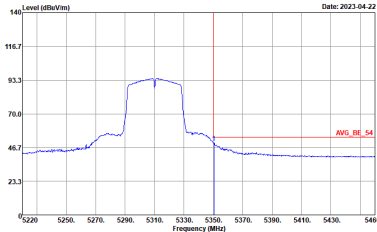
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

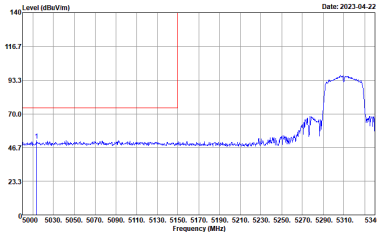
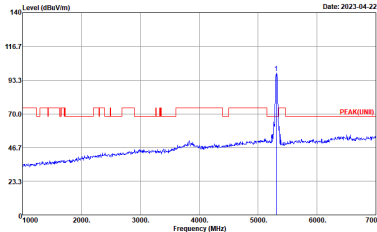
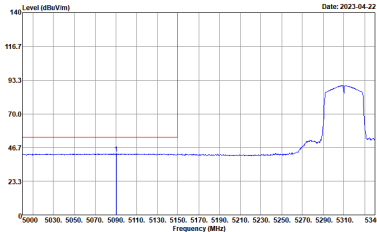
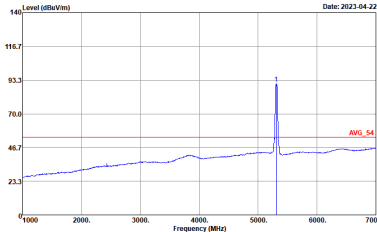
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

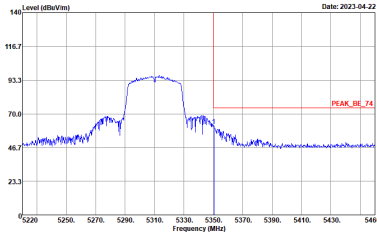
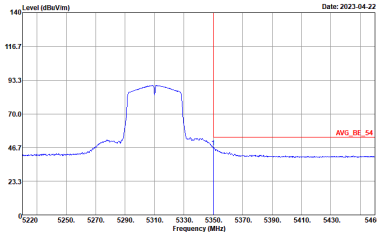
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
4	Vertical	Vertical
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
4	Vertical	Vertical
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

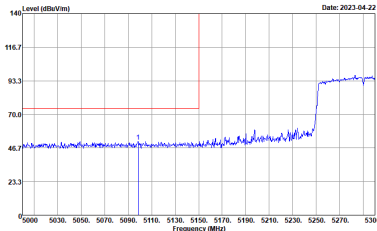
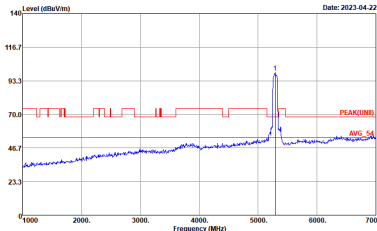
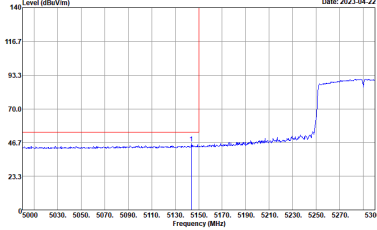
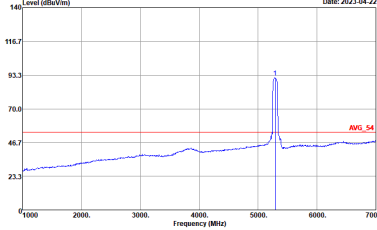
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(LINE) 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LEZ005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto
Avg.		

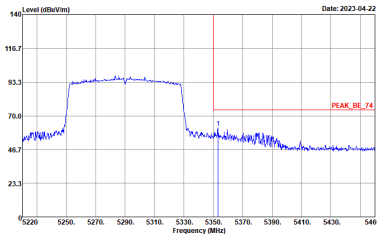
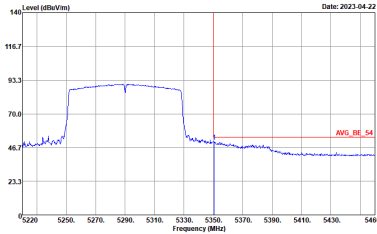
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3.000KHz SWT:Auto	Left blank

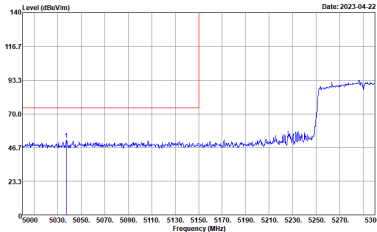
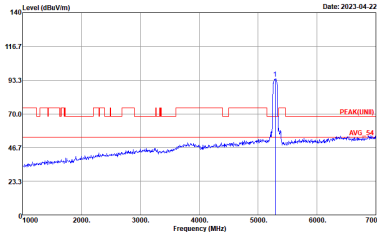
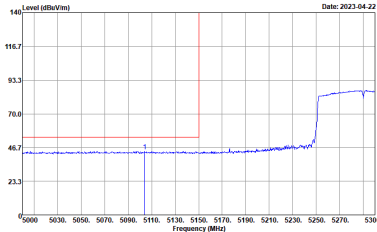
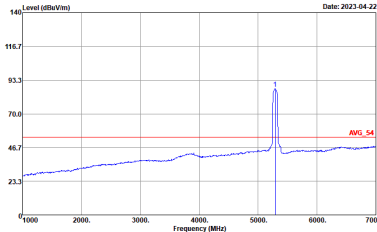
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

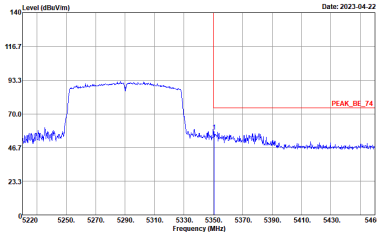
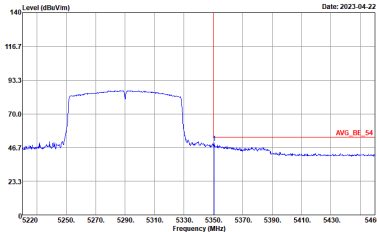
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto





WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(FUND) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto

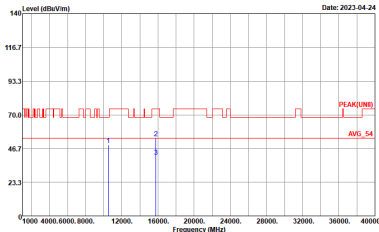
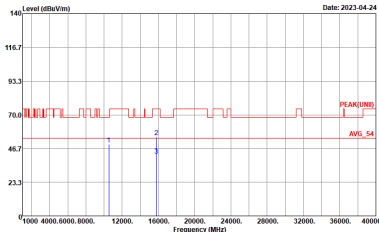
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE_74 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank
Avg.	 Site : 03CH23-HY Condition : AVG_BE_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:10.000KHz SWT:Auto	Left blank



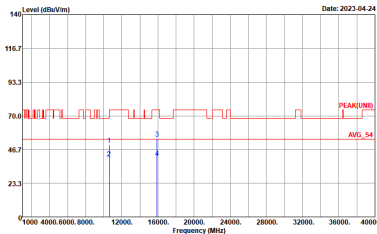
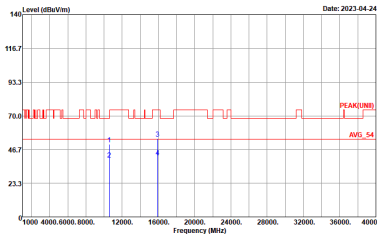
Band 2 - 5250~5350MHz

Band 2 - 5250~5350MHz

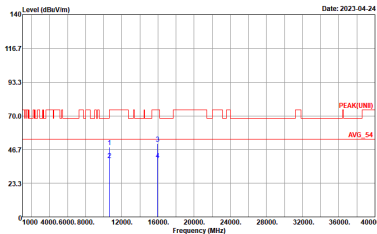
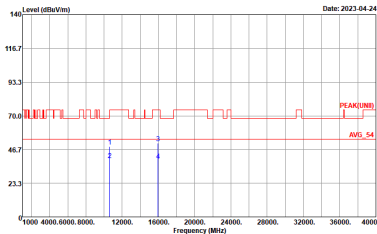
WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :



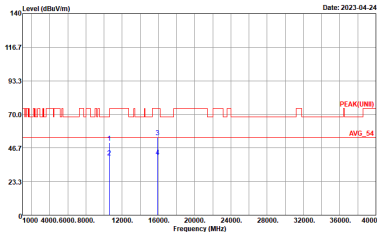
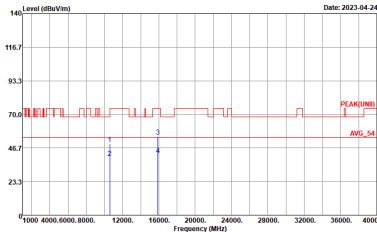
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UMB) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UMB) 3m LE2005A18EN_230705 VERTICAL :



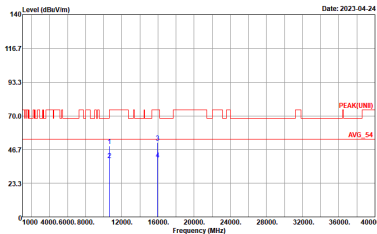
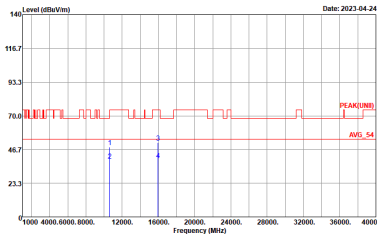
Band 2 5250~5350MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
4	Horizontal	Vertical
Peak Avg.	Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :

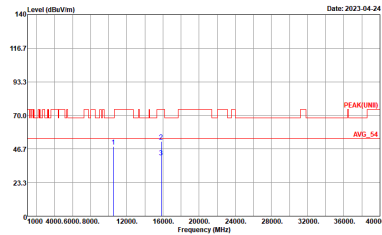
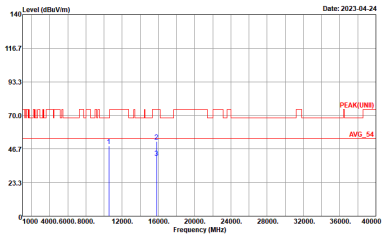


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAR(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAR(UNIT) 3m LE2005A18EN_230705 VERTICAL :

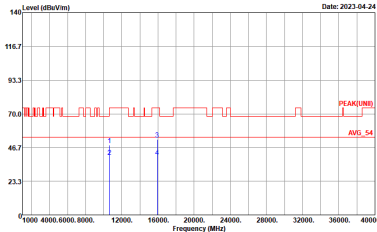
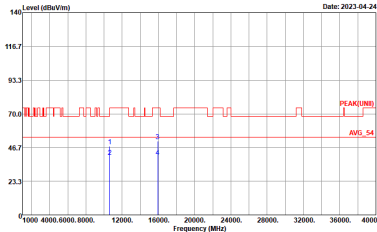


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UMI) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UMI) 3m LE2005A18EN_230705 VERTICAL :

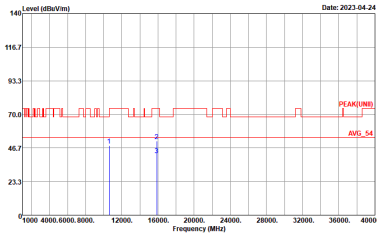
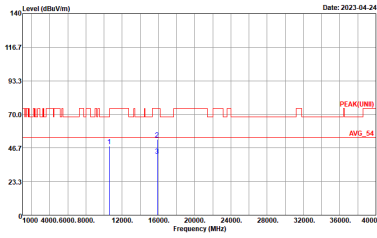
Band 2 5250~5350MHz
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270 MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :

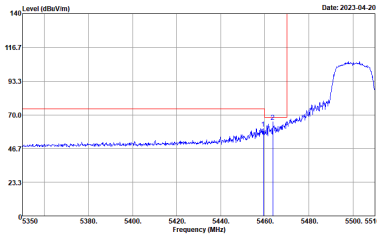
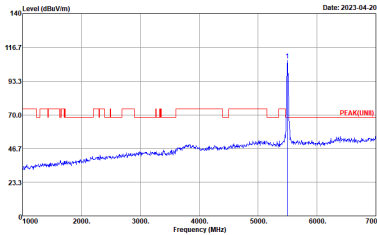


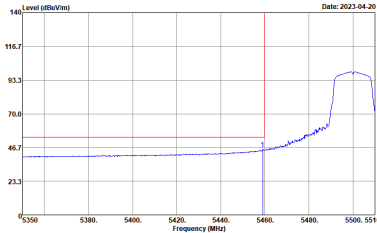
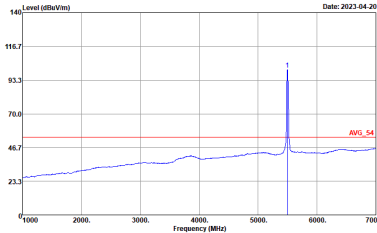
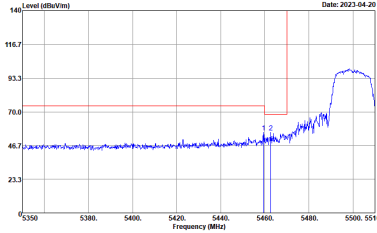
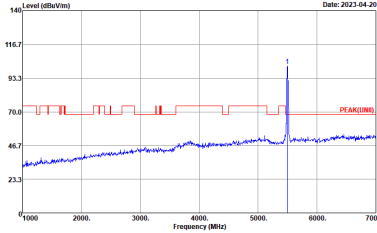
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310 MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL :

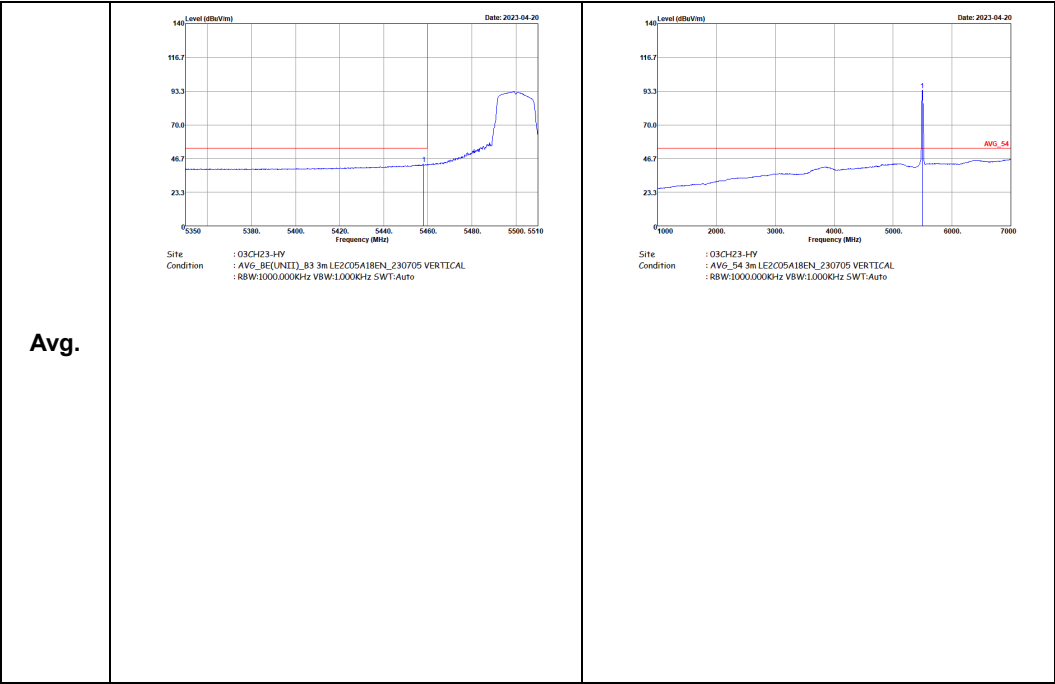
Band 2 5250~5350MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

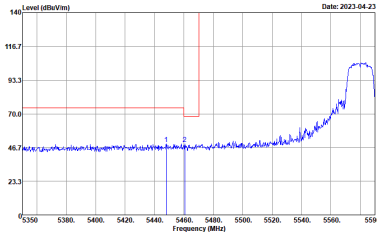
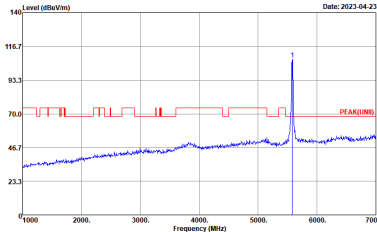
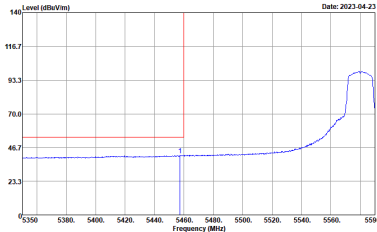
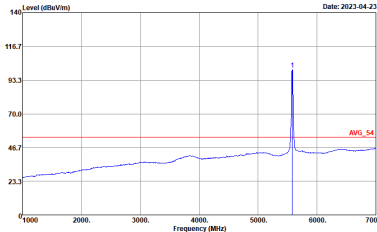
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
4	Horizontal	Vertical
Peak Avg.	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL :	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 VERTICAL :

Band 2 - 5250~5350MHz
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

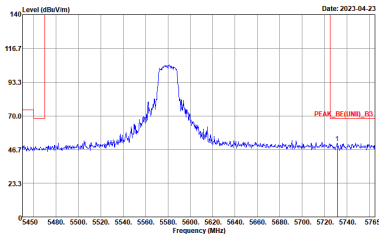
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_8E[UNIT], R3 3m LE2C05A18ENL_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK[UNIT] 3m LE2C05A18ENL_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto

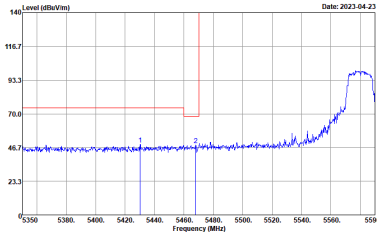
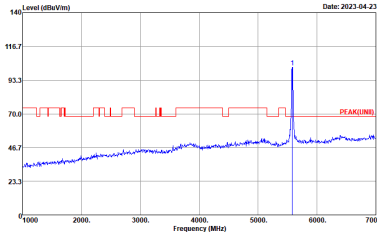
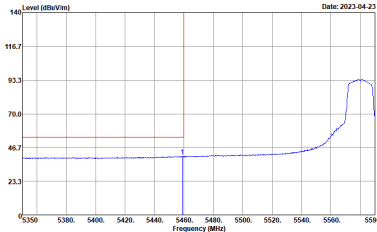
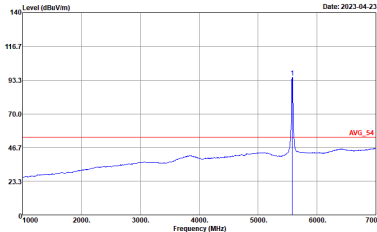
Avg.	 Site : 03CH23-HY Condition : AVG_BE(UNIT)_B3 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto
	WIFI	Band 3 5470~5725MHz Band Edge @ 3m
ANT	802.11a CH100 5500MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto



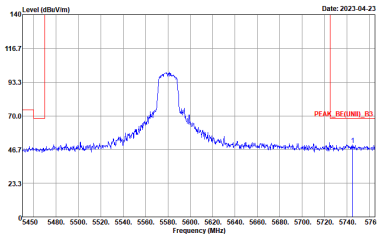
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE(UNIT)_B3 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE(UNIT)_B3 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto



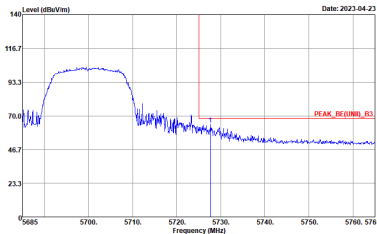
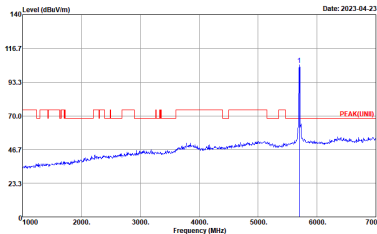
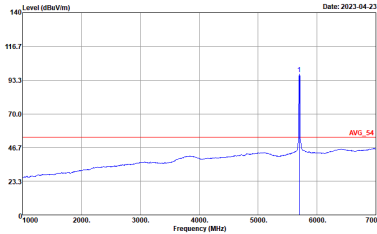
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HV Condition : PEAK_05 (UNIT)_01 3m LEZ005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

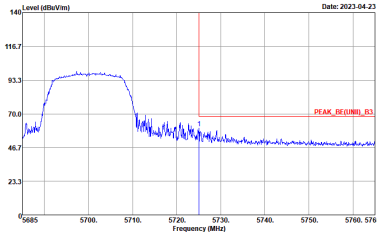
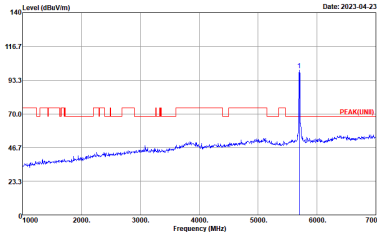
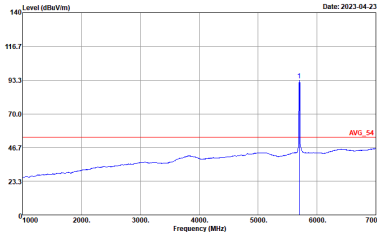
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		



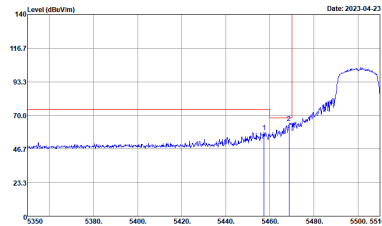
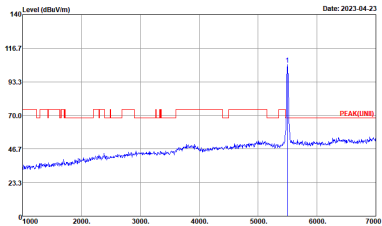
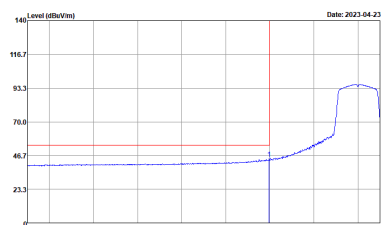
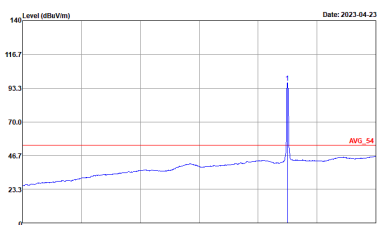
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HV Condition : PEAK_96(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

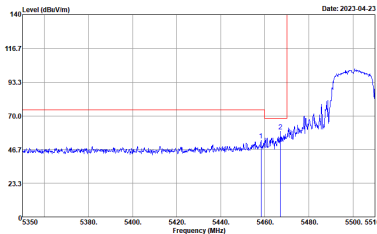
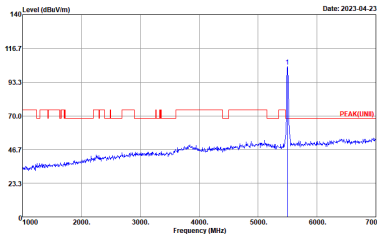
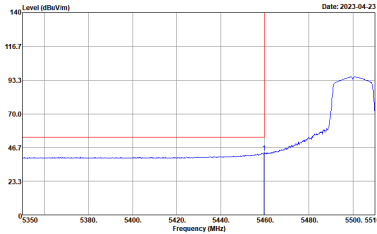
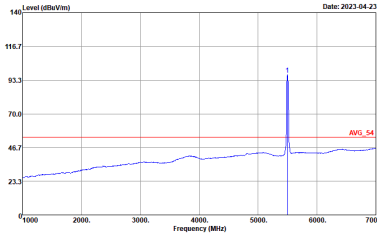


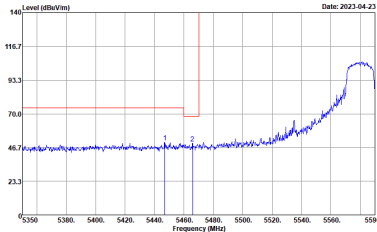
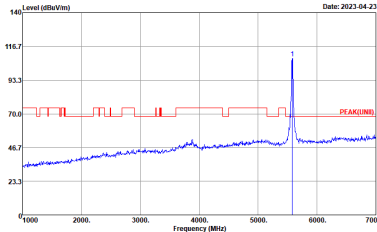
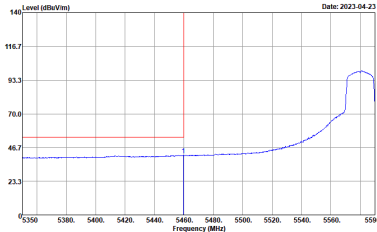
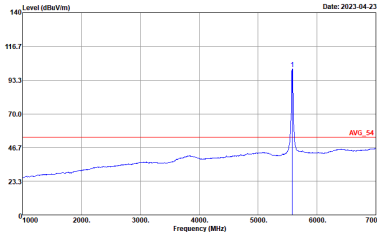
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_86(UNIT)_83 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_93.3[UNIT] 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK100[UNIT] 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto

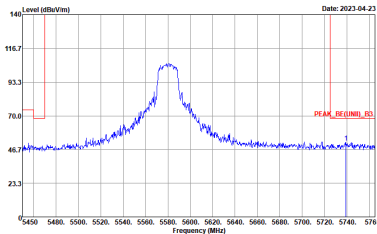
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

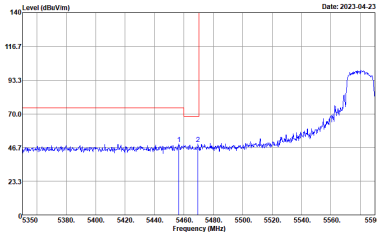
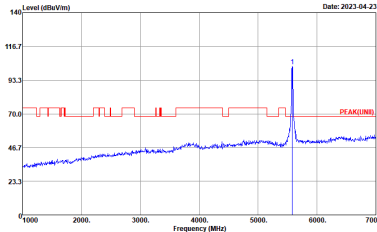
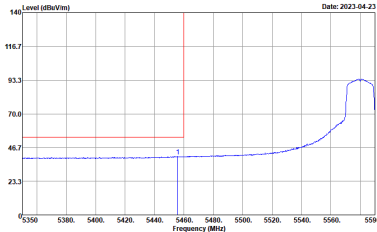
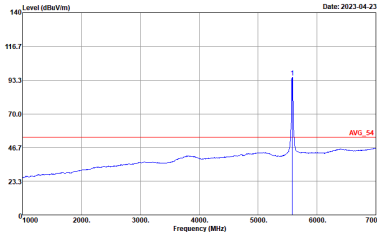
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-4HY Condition : PEAK_BE(UNIT)_B3 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-4HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-4HY Condition : AVG_BE(UNIT)_B3 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-4HY Condition : AVG_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto
Avg.		

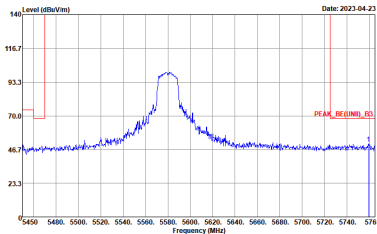
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE[UNIT1]_B3 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK[UNIT1] 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE[UNIT1]_B3 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:1000KHz SWT:Auto

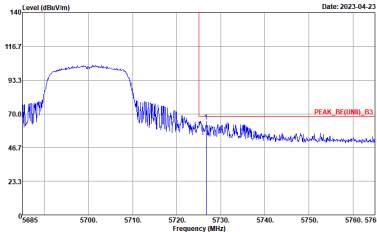
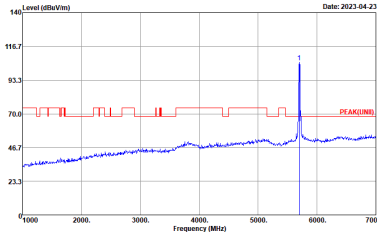
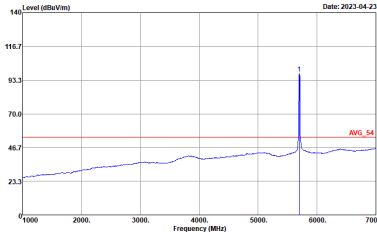


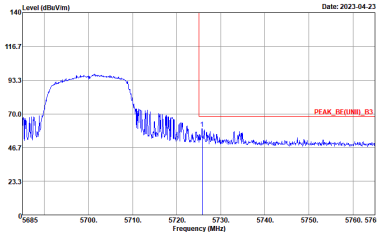
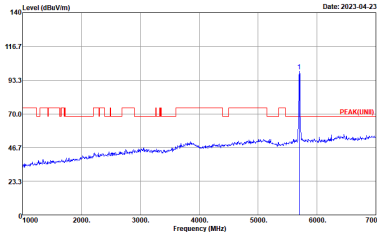
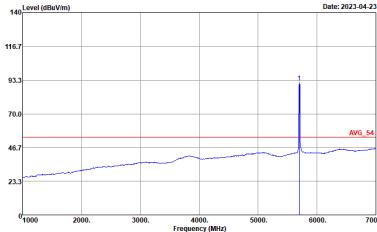
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HV Condition : PEAK_95(CNHI)_B3 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
	 Site : 03CH23-HY Condition : AVG_BE(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1000KHz SWT:Auto

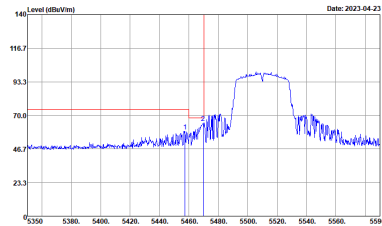
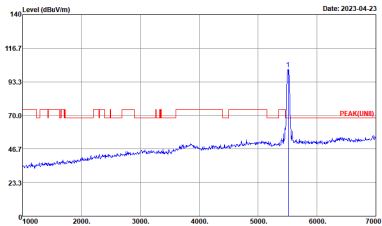
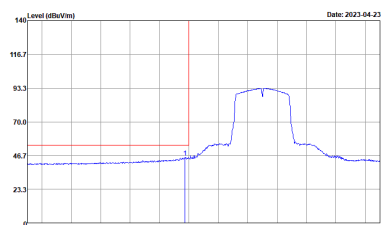
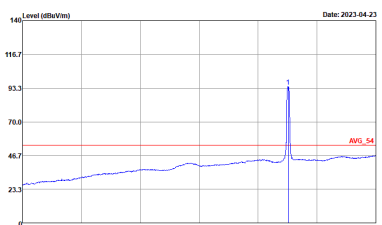


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
4	Vertical	Fundamental
Peak	 Site : 03CH23-HV Condition : PEAK_DB(UNIT)_B3 3m LE2005A18EN_230705 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_96[UNIT], 83 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK[UNIT], 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

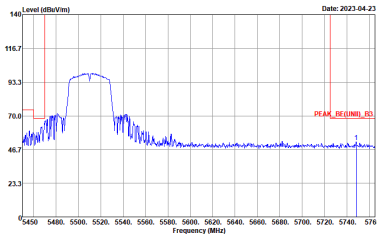
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
4	Vertical	Fundamental
Peak.	 Site : 03CH23-HY Condition : PEAK_96[UNIT], 83 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK[UNIT], 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	Left blank	 Site : 03CH23-HY Condition : AVG_54 3m LE2005A18EN_230705 VERTICAL : RBW:1000.000KHz VBW:1.000KHz SWT:Auto

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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition : PEAK_BE(UNIT)_B3 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : PEAK(UNIT) 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto
Avg.	 Site : 03CH23-HY Condition : AVG_BE(UNIT)_B3 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	 Site : 03CH23-HY Condition : AVG_54 3m LE2C05A18EN_230705 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
4	Horizontal	Fundamental
Peak	 Site : 03CH23-HV Condition : PEAK_96[UNIT],B3 3m LE2005A18EN_230705 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto	Left blank