FCC RADIO TEST REPORT

FCC ID	:	**TVE-3901M12**
Equipment	:	**Network Security Gateway**
Brand Name	:	**FORTINET**
Model Name	:	**FortiWiFi 50G-5Gxxxxxxxxxx, FORTIWIFI-50G-5Gxxxxxxxxxx,FWF-50G-5Gxxxxxxxxxx, FortiWiFi 51G-5Gxxxxxxxxxx, FORTIWIFI-51G-5Gxxxxxxxxxx, FWF-51G-5Gxxxxxxxxxx** **(where "x" can be used as "A-Z", or "0-9", or "-", or blank for software purposes or marketing purposes only)**
Marketing Name	:	**FortiWiFi 50G-5G, FortiWiFi 51G-5G**
Applicant	:	**Fortinet Inc.** **899 KIFER RD** **SUNNYVALE CA 94086** **UNITED STATES**
Manufacturer	:	**Fortinet Inc.** **899 KIFER RD** **SUNNYVALE CA 94086** **UNITED STATES**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on Dec. 06, 2023 and testing was performed from Jan. 02, 2024 to Jan. 30, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

Sporton International Inc. Wensan Laboratory
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History of this test report

Report No.	Version	Description	Issue Date
FR3D0631-01	01	Initial issue of report	Mar. 01, 2024
FR3D0631-01	02	Revise Product Feature of Equipment Under Test This report is an updated version, replacing the report issued on Mar. 01, 2024.	Mar. 13, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403(i)	26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Reporting only	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.07 dB under the limit at 15780.00 MHz
3.5	15.207	AC Conducted Emission	Pass	13.59 dB under the limit at 3.45 MHz
3.6	15.203	Antenna Requirement	Pass	-

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

Reviewed by: Yun Huang

Report Producer: Wilda Wei

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs WCDMA, LTE/5G NR, Bluetooth - LE, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax and GNSS. **Antenna Type** WWAN: Dipole Antenna WLAN: Dipole Antenna Bluetooth: Monopole Antenna GPS / Glonass / BDS / Galileo/SBAS: Dipole Antenna

Antenna information		
5250 MHz ~ 5350 MHz	Peak Gain (dBi)	Ant. 3: 1.88 Ant. 6: 1.88
5470 MHz ~ 5725 MHz	Peak Gain (dBi)	Ant. 3: 2.45 Ant. 6: 2.45

Remark:

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

2. This device does not support partial RU function.

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

Array Gain = 10 log(NANT/NSS) dB.

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

	Ant 3 (dBi)	Ant 6 (dBi)	DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
Band II	1.88	1.88	1.88	4.89	0.00	0.00
Band III	2.45	2.45	2.45	5.46	0.00	0.00

Calculation example:

If a device has two antenna, G_{ANT3}= 1.88dBi; G_{ANT6}=1.88dBi

Directional gain of power measurement = max(1.88, 1.88) + 0 = 1.88 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (1.88 dBi / 20) + 10^ (1.88 dBi / 20)] ^ 2 } / 2 }

= 4.89 dBi

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

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

<TXBF Mode>

The EUT supports beamforming modes , then

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

Directional gain = GANT + 10 log(NANT/NSS) dBi,

where NSS = the number of independent spatial streams of data and GANT is the antenna gain in dBi

where

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

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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 3	Ant 6	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band II	1.88	1.88	4.89	4.89	0.00	0.00
Band III	2.45	2.45	5.46	5.46	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

10 x log { { [10^ (1.88 dBi / 20) + 10^ (1.88 dBi / 20)] ^ 2 } / 2 }

= 4.89 dBi

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH23-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

~~a.~~ The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

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

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

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

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

Note:

1. The above Frequency and Channel with "*" are 802.11n HT40 and 802.11ac VHT40 and 802.11ax HE40.
2. The above Frequency and Channel with "#" are 802.11ac VHT80 and 802.11ax HE80.

2.2 Test Mode

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

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

The power for TxBF mode is smaller than CDD mode, so all other conducted and radiated test is covered by CDD mode.

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

MIMO Mode

<CDD Mode>

Modulation	Data Rate
802.11a	6 Mbps
802.11n HT20 (Covered by VHT20)	MCS0
802.11n HT40 (Covered by VHT40)	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

<TXBF Mode>

Modulation	Data Rate
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0
802.11ac VHT80	MCS0
802.11ax HE20	MCS0
802.11ax HE40	MCS0
802.11ax HE80	MCS0

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + AC/DC Adapter

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

Ch. #		Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT20	802.11ac VHT20
L	Low	52	100
M	Middle	60	116
H	High	64	140
Straddle		-	144

Ch. #		Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ac VHT40	802.11ac VHT40
L	Low	54	102
M	Middle	-	110
H	High	62	134
Straddle		-	142

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

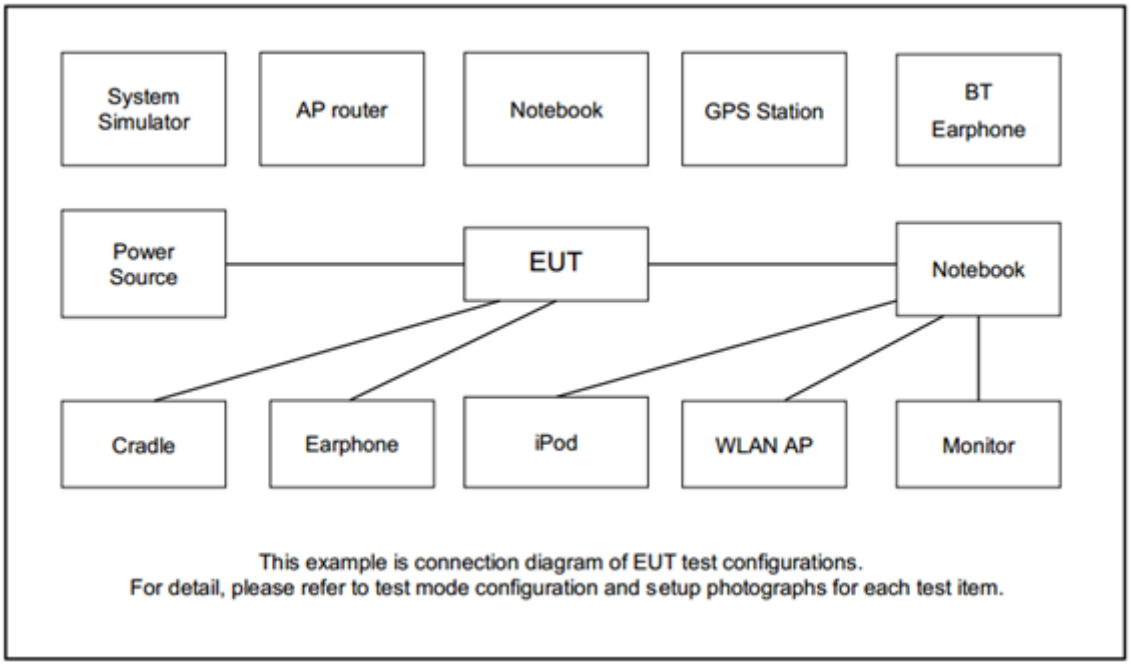
Ch. #		Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE20	802.11ax HE20
L	Low	52	100
M	Middle	60	116
H	High	64	140
Straddle		-	144

Ch. #		Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE40	802.11ax HE40
L	Low	54	102
M	Middle	-	110
H	High	62	134
Straddle		-	142

Ch. #		Band II：5250-5350 MHz	Band III：5470-5725MHz
		802.11ax HE80	802.11ax HE80
L	Low	-	106
M	Middle	58	-
H	High	-	122
Straddle		-	138

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

The RF test items, utility “MT7906 QA 0.0.2.78” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “MT7906 QA 0.0.2.78” software tool was used to enable the EUT to transmit signals continuously.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

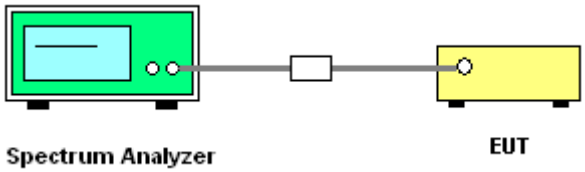
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

<FCC 14-30 CFR 15.407>

For the 5.25–5.725 GHz bands:

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

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

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

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

<CDD Modes>

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

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

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

<TXBF Modes>

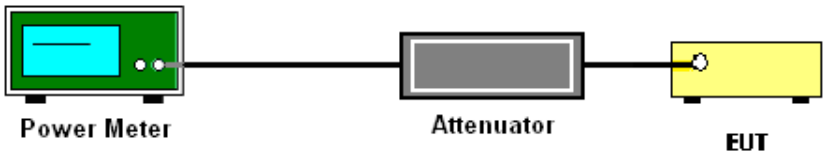
The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

<FCC 14-30 CFR 15.407>

For the 5.25–5.725 GHz bands:

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

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

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

<CDD Modes>

 # Method SA-2 #

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

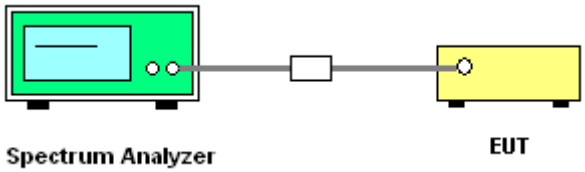
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

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

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

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

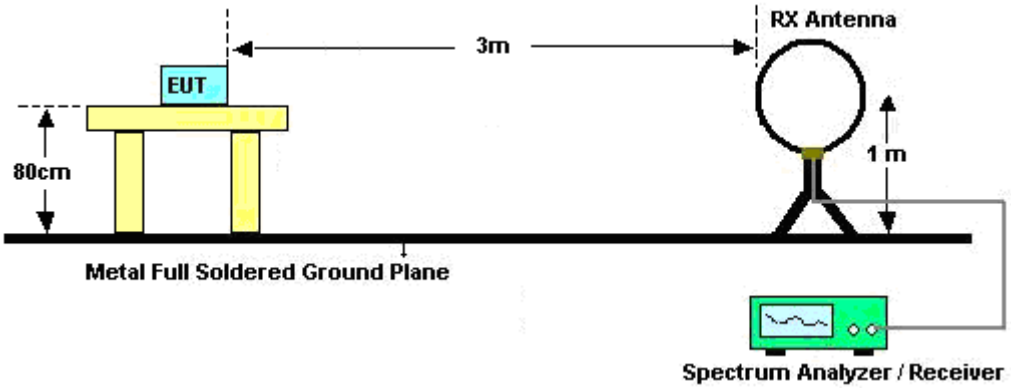
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

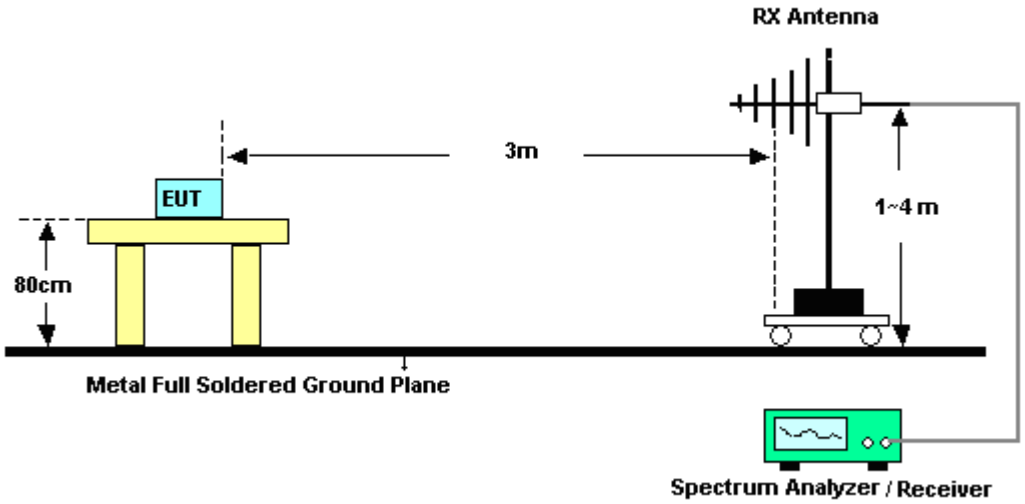
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

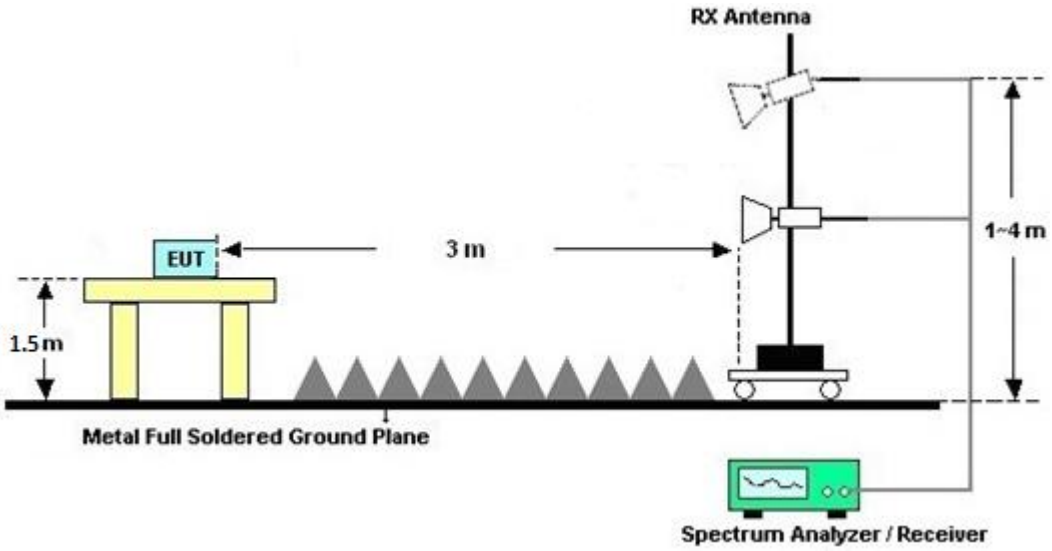
For radiated emissions below 30MHz



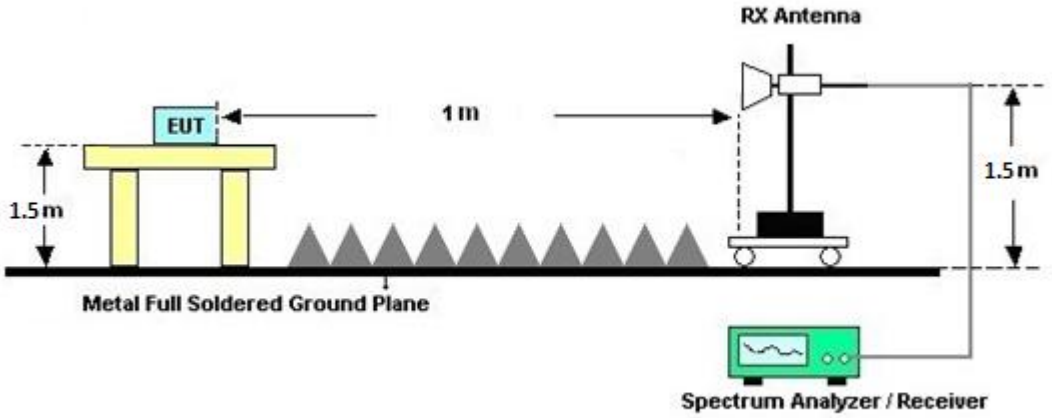
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix C.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

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

*Decreases with the logarithm of the frequency.

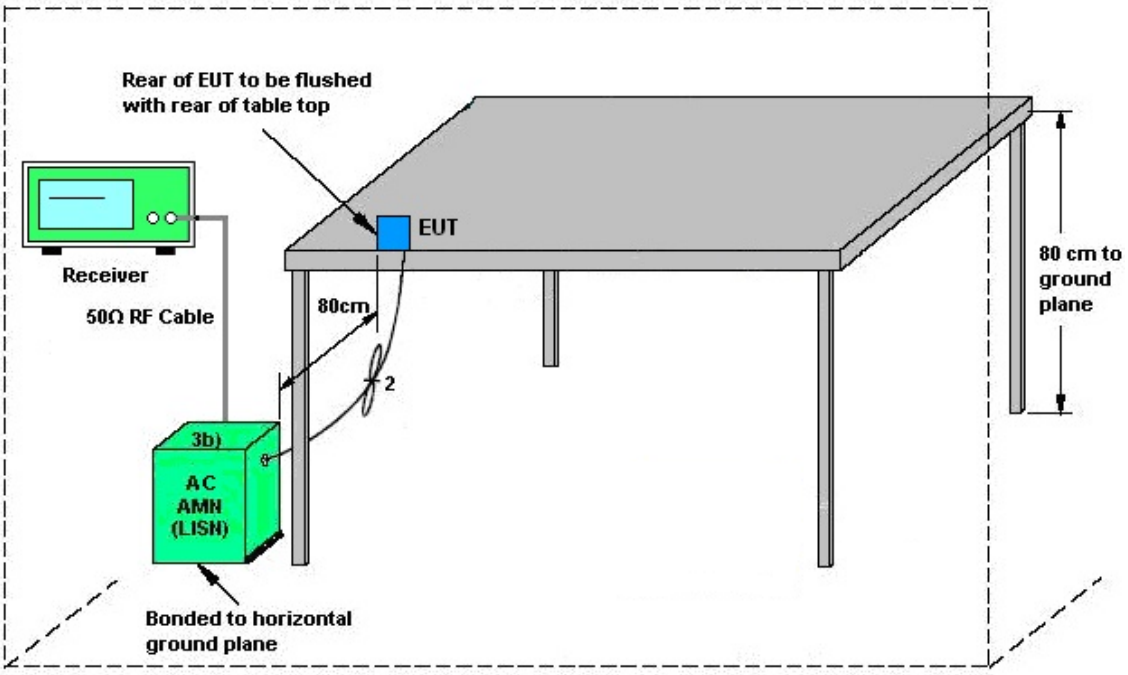
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Jan. 20, 2024~ Jan. 29, 2024	Sep. 11, 2024	Radiation (03CH23-HY)
Bilog Antenna with 6dB pad	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	62028 & 003	N/A	Oct. 15, 2023	Jan. 20, 2024~ Jan. 29, 2024	Oct. 14, 2024	Radiation (03CH23-HY)
Amplifier	SONOMA	310N	421582	N/A	Jul. 15, 2023	Jan. 20, 2024~ Jan. 29, 2024	Jul. 14, 2024	Radiation (03CH23-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C05A18EN	1GHz~18GHz	Jul. 12, 2023	Jan. 20, 2024~ Jan. 29, 2024	Jul. 11, 2024	Radiation (03CH23-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	1225	18GHz-40GHz	Jul. 10, 2023	Jan. 20, 2024~ Jan. 29, 2024	Jul. 09, 2024	Radiation (03CH23-HY)
Amplifier	EMEC	EM01G18GA	060877	N/A	Sep. 28, 2023	Jan. 20, 2024~ Jan. 29, 2024	Sep. 27, 2024	Radiation (03CH23-HY)
Preamplifier	EMEC	EM18G40G	060871	18-40GHz	Aug. 30, 2023	Jan. 20, 2024~ Jan. 29, 2024	Aug. 29, 2024	Radiation (03CH23-HY)
Signal Analyzer	Keysight	N9010B	MY62170337	N/A	Aug. 17, 2023	Jan. 20, 2024~ Jan. 29, 2024	Aug. 16, 2024	Radiation (03CH23-HY)
Hygrometer	TECPEL	DTM-303B	TP211542	N/A	Oct. 30, 2023	Jan. 20, 2024~ Jan. 29, 2024	Oct. 29, 2024	Radiation (03CH23-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 20, 2024~ Jan. 29, 2024	N/A	Radiation (03CH23-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Jan. 20, 2024~ Jan. 29, 2024	N/A	Radiation (03CH23-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Jan. 20, 2024~ Jan. 29, 2024	N/A	Radiation (03CH23-HY)
Software	Audix	E3 6.09824_20191 22	RK-002348	N/A	N/A	Jan. 20, 2024~ Jan. 29, 2024	N/A	Radiation (03CH23-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 07, 2023	Jan. 20, 2024~ Jan. 29, 2024	Mar. 06, 2024	Radiation (03CH23-HY)
RF Cable	EMC	EMC101Y	231115/231119 /231122	N/A	Nov. 27, 2023	Jan. 20, 2024~ Jan. 29, 2024	Nov. 26, 2024	Radiation (03CH23-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jan. 17, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jan. 17, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Jan. 17, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 15, 2023	Jan. 17, 2024	Mar. 14, 2024	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 05, 2023	Jan. 17, 2024	Mar. 04, 2024	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 13, 2023	Jan. 17, 2024	Mar. 12, 2024	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Jan. 17, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jan. 02, 2024~ Jan. 30, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO3 6 (NO:35)	10MHz~6GHz	Aug. 23, 2023	Jan. 02, 2024~ Jan. 30, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jan. 02, 2024~ Jan. 30, 2024	Sep. 11, 2024	Conducted (TH05-HY)

5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.80 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.40 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.30 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.20 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Eason Huang	Temperature:	21~25	°C
Test Date:	2024/01/02~01/30	Relative Humidity:	51~54	%

<CDD>

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	
11a	6Mbps	2	52	5260	16.73	16.93	24.01	27.86	23.23		29.23		23.98		
11a	6Mbps	2	60	5300	17.23	17.53	29.18	32.36	23.36		29.36		23.98		
11a	6Mbps	2	64	5320	17.08	17.23	30.98	29.94	23.32		29.32		23.98		
VHT20	MCS0	2	52	5260	18.13	17.83	29.06	24.86	23.51		29.51		23.98		
VHT20	MCS0	2	60	5300	18.43	18.18	32.94	29.21	23.60		29.60		23.98		-
VHT20	MCS0	2	64	5320	18.53	18.38	33.52	30.68	23.64		29.64		23.98		
VHT40	MCS0	2	54	5270	37.26	36.86	73.42	62.56	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.96	36.86	58.96	57.20	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	75.40	75.40	107.97	103.58	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
11a	6Mbps	2	52	5260	19.50	18.60	22.08	23.98		1.88		30	Pass
11a	6Mbps	2	60	5300	19.60	18.70	22.18	23.98		1.88		30	Pass
11a	6Mbps	2	64	5320	19.80	18.80	22.34	23.98		1.88		30	Pass
HT20	MCS0	2	52	5260	19.80	18.80	22.34	23.98		1.88		30	Pass
HT20	MCS0	2	60	5300	19.40	18.40	21.94	23.98		1.88		30	Pass
HT20	MCS0	2	64	5320	19.50	18.50	22.04	23.98		1.88		30	Pass
HT40	MCS0	2	54	5270	20.90	20.10	23.53	23.98		1.88		30	Pass
HT40	MCS0	2	62	5310	19.10	18.30	21.73	23.98		1.88		30	Pass
VHT20	MCS0	2	52	5260	19.90	18.90	22.44	23.98		1.88		30	Pass
VHT20	MCS0	2	60	5300	19.50	18.50	22.04	23.98		1.88		30	Pass
VHT20	MCS0	2	64	5320	19.60	18.60	22.14	23.98		1.88		30	Pass
VHT40	MCS0	2	54	5270	20.90	20.20	23.57	23.98		1.88		30	Pass
VHT40	MCS0	2	62	5310	19.20	18.40	21.83	23.98		1.88		30	Pass
VHT80	MCS0	2	58	5290	15.70	14.80	18.28	23.98		1.88		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
11a	6Mbps	2	52	5260	0.22	0.22			10.70	11.00		4.89			Pass
11a	6Mbps	2	60	5300	0.22	0.22			10.77	11.00		4.89			Pass
11a	6Mbps	2	64	5320	0.22	0.22			10.92	11.00		4.89			Pass
VHT20	MCS0	2	52	5260	0.22	0.22			10.58	11.00		4.89			Pass
VHT20	MCS0	2	60	5300	0.22	0.22	-		10.59	11.00		4.89		-	Pass
VHT20	MCS0	2	64	5320	0.22	0.22			10.53	11.00		4.89			Pass
VHT40	MCS0	2	54	5270	0.35	0.35			9.71	11.00		4.89			Pass
VHT40	MCS0	2	62	5310	0.35	0.35			7.90	11.00		4.89			Pass
VHT80	MCS0	2	58	5290	0.69	0.69			1.25	11.00		4.89			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6
11a	6Mbps	2	100	5500	17.13	17.22	30.73	28.16	23.34		29.34		23.98		----	----
11a	6Mbps	2	116	5580	16.83	16.68	22.10	21.04	23.22		29.22		23.98		----	----
11a	6Mbps	2	140	5700	17.13	16.98	27.16	25.38	23.30		29.30		23.98		----	----
VHT20	MCS0	2	100	5500	18.38	18.18	30.42	31.33	23.60		29.60		23.98		----	----
VHT20	MCS0	2	116	5580	18.03	17.68	24.58	21.84	23.47		29.47		23.98		----	----
VHT20	MCS0	2	140	5700	18.28	18.08	26.82	29.57	23.57		29.57		23.98		----	----
VHT40	MCS0	2	102	5510	37.56	37.06	61.18	58.21	23.98		30.00		23.98		----	----
VHT40	MCS0	2	110	5550	37.16	36.86	68.99	62.11	23.98		30.00		23.98		----	----
VHT40	MCS0	2	134	5670	37.86	37.56	76.66	66.98	23.98		30.00		23.98		----	----
VHT80	MCS0	2	106	5530	75.40	75.40	108.64	105.50	23.98		30.00		23.98		----	----
VHT80	MCS0	2	122	5610	75.40	75.52	139.94	111.17	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth In U-NII 2C (MHz)		26 dB Bandwidth In U-NII 2C (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		6 dB Bandwidth for Straddle Channel (MHz)	
					Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6
11a	6Mbps	2	144	5720	13.44	13.30	16.65	16.93	22.24		28.24		23.21		3.15	3.16
VHT20	MCS0	2	144	5720	14.04	13.94	18.76	17.66	22.44		28.44		23.47		3.765	3.15
VHT40	MCS0	2	142	5710	33.87	33.85	46.54	46.20	23.98		30.00		23.98		2.52	2.51
VHT80	MCS0	2	138	5690	72.65	72.53	94.24	90.11	23.98		30.00		23.98		2.376	2.53
6dB Bandwidth Limit ≧ 500kHz															Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
11a	6Mbps	2	100	5500	19.20	18.70	21.97	23.98		2.45		30	Pass
11a	6Mbps	2	116	5580	19.00	18.00	21.54	23.98		2.45		30	Pass
11a	6Mbps	2	140	5700	18.70	17.80	21.28	23.98		2.45		30	Pass
HT20	MCS0	2	100	5500	19.50	19.00	22.27	23.98		2.45		30	Pass
HT20	MCS0	2	116	5580	19.50	18.40	22.00	23.98		2.45		30	Pass
HT20	MCS0	2	140	5700	19.70	18.80	22.28	23.98		2.45		30	Pass
HT40	MCS0	2	102	5510	20.80	20.00	23.43	23.98		2.45		30	Pass
HT40	MCS0	2	110	5550	20.80	20.40	23.61	23.98		2.45		30	Pass
HT40	MCS0	2	134	5670	20.80	19.80	23.34	23.98		2.45		30	Pass
VHT20	MCS0	2	100	5500	19.60	19.10	22.37	23.98		2.45		30	Pass
VHT20	MCS0	2	116	5580	19.60	18.50	22.10	23.98		2.45		30	Pass
VHT20	MCS0	2	140	5700	19.80	18.90	22.38	23.98		2.45		30	Pass
VHT40	MCS0	2	102	5510	20.90	20.10	23.53	23.98		2.45		30	Pass
VHT40	MCS0	2	110	5550	20.90	20.50	23.71	23.98		2.45		30	Pass
VHT40	MCS0	2	134	5670	20.90	19.90	23.44	23.98		2.45		30	Pass
VHT80	MCS0	2	106	5530	17.90	17.50	20.71	23.98		2.45		30	Pass
VHT80	MCS0	2	122	5610	20.90	20.30	23.62	23.98		2.45		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
11a	6Mbps	2	144	5720	18.50	17.70	21.13	23.21		2.45		30	Pass
HT20	MCS0	2	144	5720	19.70	18.90	22.33	23.98		2.45		30	Pass
HT40	MCS0	2	142	5710	20.80	20.00	23.43	23.98		2.45		30	Pass
VHT20	MCS0	2	144	5720	19.80	19.00	22.43	23.47		2.45		30	Pass
VHT40	MCS0	2	142	5710	20.90	20.10	23.53	23.98		2.45		30	Pass
VHT80	MCS0	2	138	5690	20.90	20.20	23.57	23.98		2.45		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
11a	6Mbps	2	100	5500	0.22	0.22			10.70	11.00		5.46			Pass
11a	6Mbps	2	116	5580	0.22	0.22			10.61	11.00		5.46			Pass
11a	6Mbps	2	140	5700	0.22	0.22			10.99	11.00		5.46			Pass
VHT20	MCS0	2	100	5500	0.22	0.22			10.99	11.00		5.46			Pass
VHT20	MCS0	2	116	5580	0.22	0.22			10.68	11.00		5.46			Pass
VHT20	MCS0	2	140	5700	0.22	0.22	-		10.99	11.00		5.46		-	Pass
VHT40	MCS0	2	102	5510	0.35	0.35			9.40	11.00		5.46			Pass
VHT40	MCS0	2	110	5550	0.35	0.35			9.36	11.00		5.46			Pass
VHT40	MCS0	2	134	5670	0.35	0.35			9.59	11.00		5.46			Pass
VHT80	MCS0	2	106	5530	0.69	0.69			3.64	11.00		5.46			Pass
VHT80	MCS0	2	122	5610	0.69	0.69			6.96	11.00		5.46			Pass

U-NII-2C straddle channel MIMO															
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
11a	6Mbps	2	144	5720	0.22	0.22			10.68	11.00		5.46			Pass
VHT20	MCS0	2	144	5720	0.22	0.22			10.95	11.00		5.46			Pass
VHT40	MCS0	2	142	5710	0.35	0.35	-		9.66	11.00		5.46		-	Pass
VHT80	MCS0	2	138	5690	0.69	0.69			6.98	11.00		5.46			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	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 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	
HE20	MCS0	2	52	5260	Full	19.13	19.08	28.97	22.12	23.81		29.81		23.98		
HE20	MCS0	2	60	5300	Full	19.38	19.33	30.94	31.69	23.86		29.86		23.98		
HE20	MCS0	2	64	5320	Full	19.33	19.33	29.65	31.66	23.86		29.86		23.98		
HE40	MCS0	2	54	5270	Full	38.26	38.16	68.98	49.68	23.98		30.00		23.98		
HE40	MCS0	2	62	5310	Full	38.16	37.96	55.57	54.48	23.98		30.00		23.98		
HE80	MCS0	2	58	5290	Full	77.20	76.96	87.65	92.26	23.98		30.00		23.98		

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	52	5260	Full	20.00	19.00	22.54	23.98		1.88		30	Pass
HE20	MCS0	2	60	5300	Full	20.20	19.30	22.78	23.98		1.88		30	Pass
HE20	MCS0	2	64	5320	Full	20.10	19.30	22.73	23.98		1.88		30	Pass
HE40	MCS0	2	54	5270	Full	20.90	20.10	23.53	23.98		1.88		30	Pass
HE40	MCS0	2	62	5310	Full	18.40	17.50	20.98	23.98		1.88		30	Pass
HE80	MCS0	2	58	5290	Full	15.50	14.60	18.08	23.98		1.88		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2A MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	52	5260	Full	0.23	0.23			10.95	11.00		4.89			Pass
HE20	MCS0	2	60	5300	Full	0.23	0.23			10.88	11.00		4.89			Pass
HE20	MCS0	2	64	5320	Full	0.23	0.23			10.96	11.00		4.89			Pass
HE40	MCS0	2	54	5270	Full	0.41	0.41	-		9.38	11.00		4.89		-	Pass
HE40	MCS0	2	62	5310	Full	0.41	0.41			6.71	11.00		4.89			Pass
HE80	MCS0	2	58	5290	Full	0.78	0.78			0.95	11.00		4.89			Pass

TEST RESULTS DATA
26dB and 99% OBW

U-NII-2C MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	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 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6
HE20	MCS0	2	100	5500	Full	19.28	19.38	30.64	29.91	23.85		29.85		23.98		----	----
HE20	MCS0	2	116	5580	Full	19.13	19.08	23.11	22.46	23.81		29.81		23.98		----	----
HE20	MCS0	2	140	5700	Full	19.18	19.28	27.82	27.68	23.83		29.83		23.98		----	----
HE40	MCS0	2	102	5510	Full	38.26	38.06	54.19	60.37	23.98		30.00		23.98		----	----
HE40	MCS0	2	110	5550	Full	38.16	38.06	50.46	56.14	23.98		30.00		23.98		----	----
HE40	MCS0	2	134	5670	Full	38.36	38.26	64.00	60.13	23.98		30.00		23.98		----	----
HE80	MCS0	2	106	5530	Full	76.84	76.96	88.35	99.07	23.98		30.00		23.98		----	----
HE80	MCS0	2	122	5610	Full	77.20	76.96	84.86	82.21	23.98		30.00		23.98		----	----

U-NII-2C straddle channel MIMO																	
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	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 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6	Ant 3	Ant 6
HE20	MCS0	2	144	5720	Full	14.60	14.60	16.52	16.21	22.64		28.64		23.10		4.45	4.515
HE40	MCS0	2	142	5710	Full	34.09	34.09	51.44	42.23	23.98		30.00		23.98		2.558	2.998
HE80	MCS0	2	138	5690	Full	73.36	73.36	76.70	75.13	23.98		30.00		23.98		2.886	3.286
6dB Bandwidth Limit ≧ 500kHz																Pass	

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	100	5500	Full	19.80	19.40	22.61	23.98		2.45		30	Pass
HE20	MCS0	2	116	5580	Full	20.20	19.30	22.78	23.98		2.45		30	Pass
HE20	MCS0	2	140	5700	Full	19.80	19.00	22.43	23.98		2.45		30	Pass
HE40	MCS0	2	102	5510	Full	20.60	20.20	23.41	23.98		2.45		30	Pass
HE40	MCS0	2	110	5550	Full	20.80	20.30	23.57	23.98		2.45		30	Pass
HE40	MCS0	2	134	5670	Full	20.90	20.30	23.62	23.98		2.45		30	Pass
HE80	MCS0	2	106	5530	Full	17.10	16.20	19.68	23.98		2.45		30	Pass
HE80	MCS0	2	122	5610	Full	20.90	19.90	23.44	23.98		2.45		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	144	5720	Full	19.90	19.10	22.53	23.10		2.45		30	Pass
HE40	MCS0	2	142	5710	Full	20.90	20.40	23.67	23.98		2.45		30	Pass
HE80	MCS0	2	138	5690	Full	20.90	20.20	23.57	23.98		2.45		30	Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-2C MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	100	5500	Full	0.23	0.23			10.71	11.00		5.46			Pass
HE20	MCS0	2	116	5580	Full	0.23	0.23			10.99	11.00		5.46			Pass
HE20	MCS0	2	140	5700	Full	0.23	0.23			10.71	11.00		5.46			Pass
HE40	MCS0	2	102	5510	Full	0.41	0.41			8.97	11.00		5.46			Pass
HE40	MCS0	2	110	5550	Full	0.41	0.41	-		9.12	11.00		5.46		-	Pass
HE40	MCS0	2	134	5670	Full	0.41	0.41			9.36	11.00		5.46			Pass
HE80	MCS0	2	106	5530	Full	0.78	0.78			2.80	11.00		5.46			Pass
HE80	MCS0	2	122	5610	Full	0.78	0.78			6.69	11.00		5.46			Pass

U-NII-2C straddle channel MIMO																
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
						Ant 3	Ant 6	Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	144	5720	Full	0.23	0.23			10.65	11.00		5.46			Pass
HE40	MCS0	2	142	5710	Full	0.41	0.41	-		9.67	11.00		5.46		-	Pass
HE80	MCS0	2	138	5690	Full	0.78	0.78			7.04	11.00		5.46			Pass

<TXBF>

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HT20	MCS0	2	52	5260	19.50	18.60	22.08	23.98		4.89		30	Pass
HT20	MCS0	2	60	5300	19.10	18.20	21.68	23.98		4.89		30	Pass
HT20	MCS0	2	64	5320	19.30	18.10	21.75	23.98		4.89		30	Pass
HT40	MCS0	2	54	5270	20.70	19.90	23.33	23.98		4.89		30	Pass
HT40	MCS0	2	62	5310	18.90	18.10	21.53	23.98		4.89		30	Pass
VHT20	MCS0	2	52	5260	19.60	18.60	22.14	23.98		4.89		30	Pass
VHT20	MCS0	2	60	5300	19.10	18.30	21.73	23.98		4.89		30	Pass
VHT20	MCS0	2	64	5320	19.40	18.20	21.85	23.98		4.89		30	Pass
VHT40	MCS0	2	54	5270	20.80	20.10	23.47	23.98		4.89		30	Pass
VHT40	MCS0	2	62	5310	18.90	18.20	21.57	23.98		4.89		30	Pass
VHT80	MCS0	2	58	5290	15.60	14.70	18.18	23.98		4.89		30	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2C MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HT20	MCS0	2	100	5500	19.20	18.60	21.92	23.98		5.46		30	Pass
HT20	MCS0	2	116	5580	19.30	18.20	21.80	23.98		5.46		30	Pass
HT20	MCS0	2	140	5700	19.30	18.60	21.97	23.98		5.46		30	Pass
HT40	MCS0	2	102	5510	20.80	19.80	23.34	23.98		5.46		30	Pass
HT40	MCS0	2	110	5550	20.80	20.10	23.47	23.98		5.46		30	Pass
HT40	MCS0	2	134	5670	20.70	19.70	23.24	23.98		5.46		30	Pass
VHT20	MCS0	2	100	5500	19.40	18.90	22.17	23.98		5.46		30	Pass
VHT20	MCS0	2	116	5580	19.30	18.10	21.75	23.98		5.46		30	Pass
VHT20	MCS0	2	140	5700	19.50	18.50	22.04	23.98		5.46		30	Pass
VHT40	MCS0	2	102	5510	20.80	19.80	23.34	23.98		5.46		30	Pass
VHT40	MCS0	2	110	5550	20.80	20.30	23.57	23.98		5.46		30	Pass
VHT40	MCS0	2	134	5670	20.80	19.80	23.34	23.98		5.46		30	Pass
VHT80	MCS0	2	106	5530	17.60	17.40	20.51	23.98		5.46		30	Pass
VHT80	MCS0	2	122	5610	20.80	20.10	23.47	23.98		5.46		30	Pass

FCC U-NII-2C straddle channel MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HT20	MCS0	2	144	5720	19.50	18.70	22.13	23.98		5.46		30	Pass
HT40	MCS0	2	142	5710	20.80	20.00	23.43	23.98		5.46		30	Pass
VHT20	MCS0	2	144	5720	19.50	18.80	22.17	23.47		5.46		30	Pass
VHT40	MCS0	2	142	5710	20.80	19.80	23.34	23.98		5.46		30	Pass
VHT80	MCS0	2	138	5690	20.80	20.10	23.47	23.98		5.46		30	Pass

TEST RESULTS DATA
Average Power Table

FCC U-NII-2A MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	52	5260	Full	19.80	18.80	22.34	23.98		4.89		30	Pass
HE20	MCS0	2	60	5300	Full	19.90	18.90	22.44	23.98		4.89		30	Pass
HE20	MCS0	2	64	5320	Full	19.90	19.10	22.53	23.98		4.89		30	Pass
HE40	MCS0	2	54	5270	Full	20.80	19.90	23.38	23.98		4.89		30	Pass
HE40	MCS0	2	62	5310	Full	18.30	17.30	20.84	23.98		4.89		30	Pass
HE80	MCS0	2	58	5290	Full	15.40	14.50	17.98	23.98		4.89		30	Pass

TEST RESULTS DATA
Average Power Table

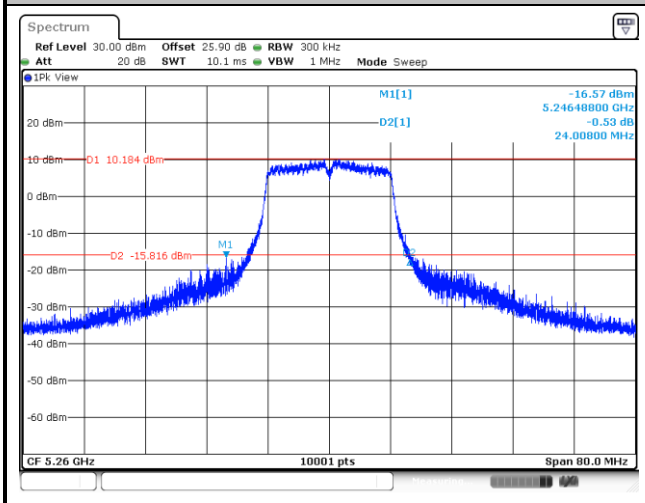
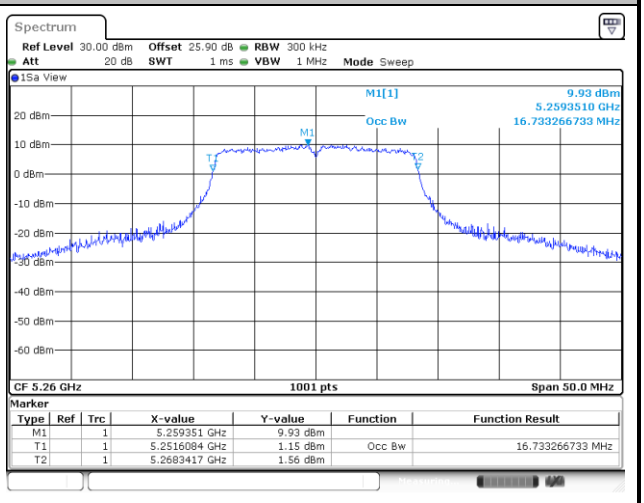
FCC U-NII-2C MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	100	5500	Full	19.60	19.10	22.37	23.98		5.46		30	Pass
HE20	MCS0	2	116	5580	Full	19.90	19.20	22.57	23.98		5.46		30	Pass
HE20	MCS0	2	140	5700	Full	19.70	19.00	22.37	23.98		5.46		30	Pass
HE40	MCS0	2	102	5510	Full	20.40	20.00	23.21	23.98		5.46		30	Pass
HE40	MCS0	2	110	5550	Full	20.60	20.10	23.37	23.98		5.46		30	Pass
HE40	MCS0	2	134	5670	Full	20.80	20.00	23.43	23.98		5.46		30	Pass
HE80	MCS0	2	106	5530	Full	16.90	16.10	19.53	23.98		5.46		30	Pass
HE80	MCS0	2	122	5610	Full	20.80	19.80	23.34	23.98		5.46		30	Pass

FCC U-NII-2C straddle channel MIMO														
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		EIRP Power Limit (dBm)	Pass/Fail
						Ant 3	Ant 6	SUM	Ant 3	Ant 6	Ant 3	Ant 6		
HE20	MCS0	2	144	5720	Full	19.80	18.90	22.38	23.10		5.46		30	Pass
HE40	MCS0	2	142	5710	Full	20.80	20.20	23.52	23.98		5.46		30	Pass
HE80	MCS0	2	138	5690	Full	20.80	20.00	23.43	23.98		5.46		30	Pass

Test Result of 26dB & 99% Occupied Bandwidth

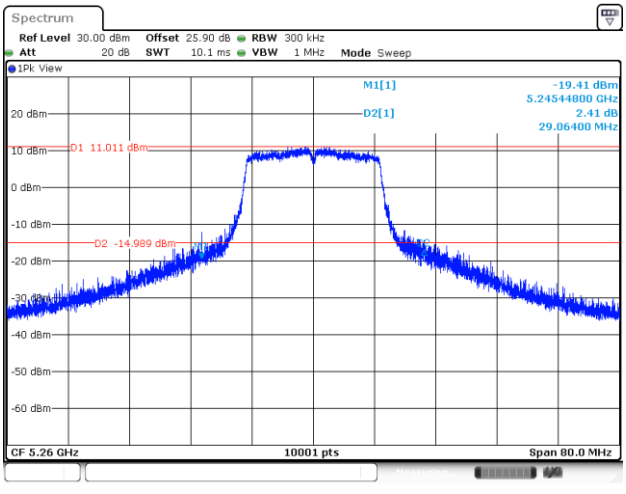
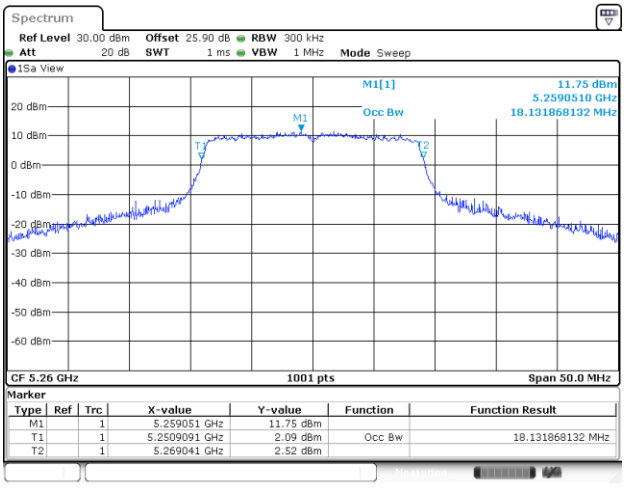
MIMO <Ant. 3+6>

<802.11a>

26dB Bandwidth	99% Occupied Bandwidth
	

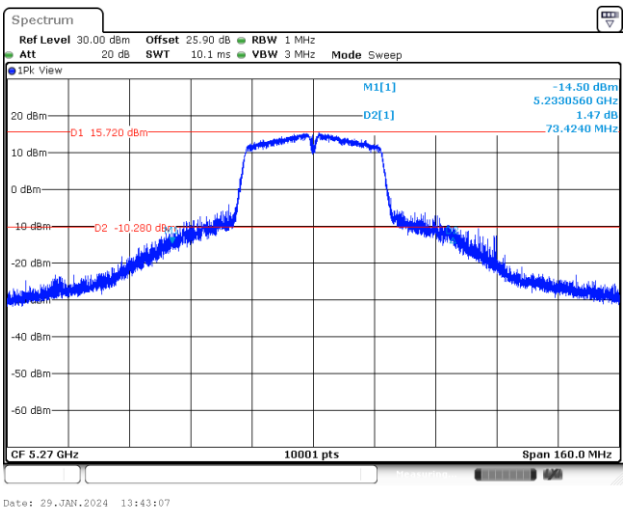
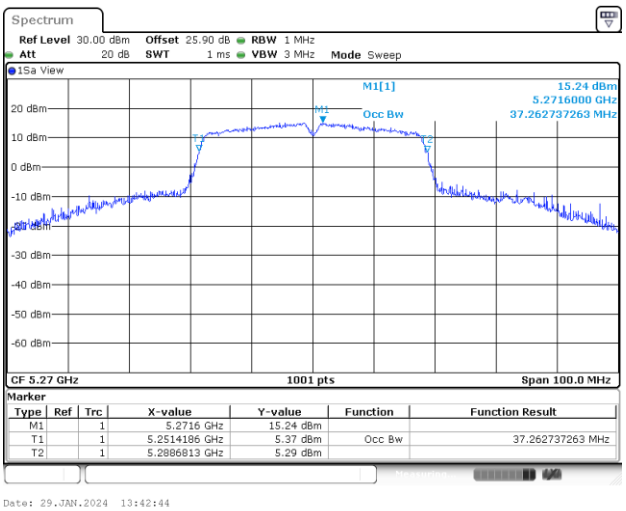
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT20>

26dB Bandwidth	99% Occupied Bandwidth
	

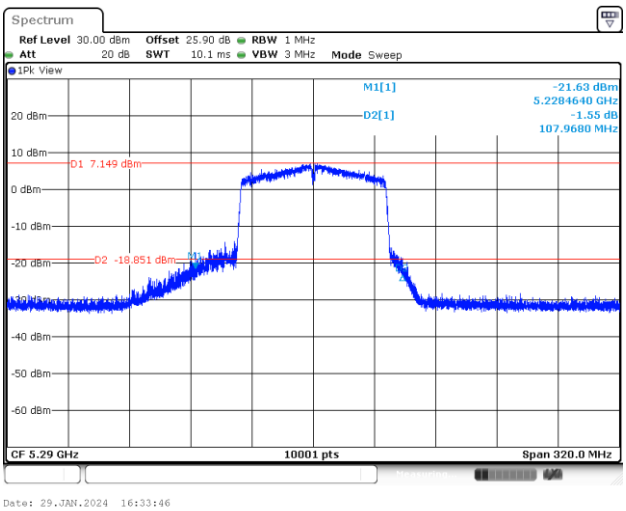
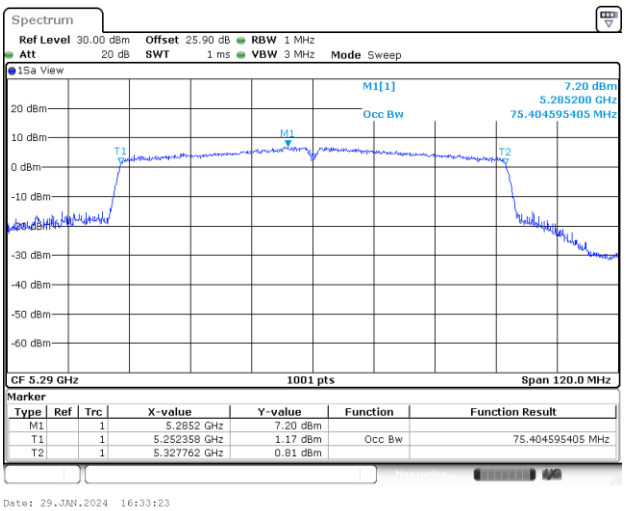
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT40>

26dB Bandwidth	99% Occupied Bandwidth
	

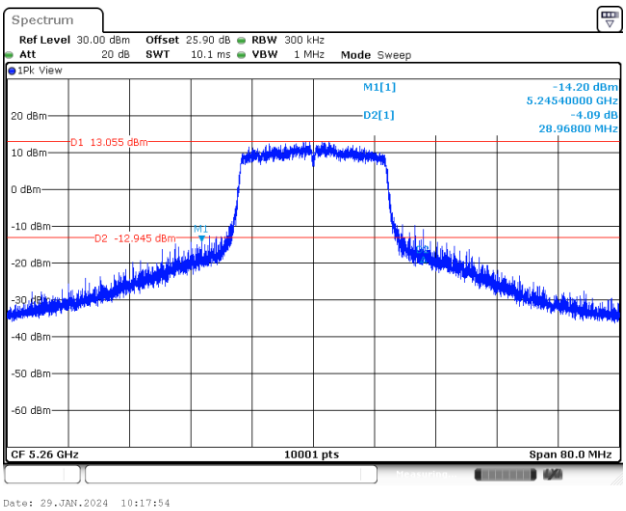
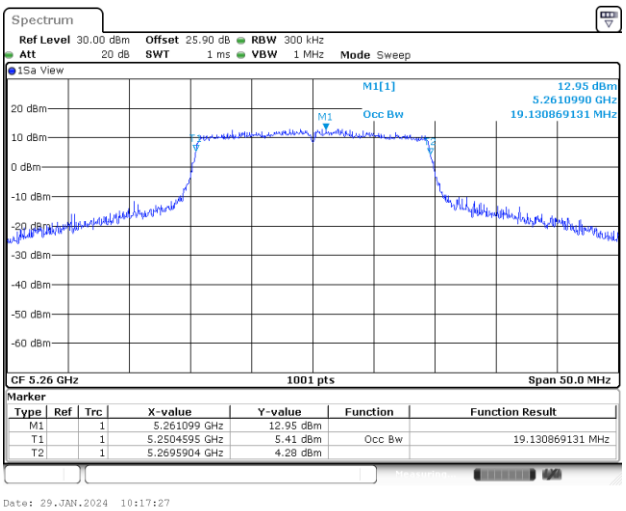
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ac VHT80>

26dB Bandwidth	99% Occupied Bandwidth
	

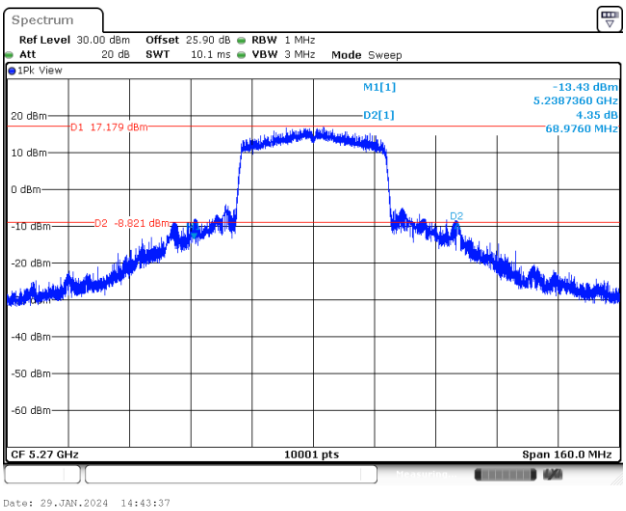
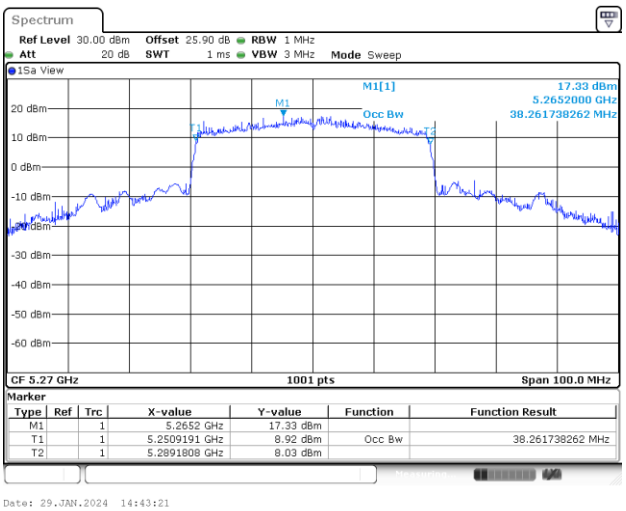
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE20>

26dB Bandwidth	99% Occupied Bandwidth
	

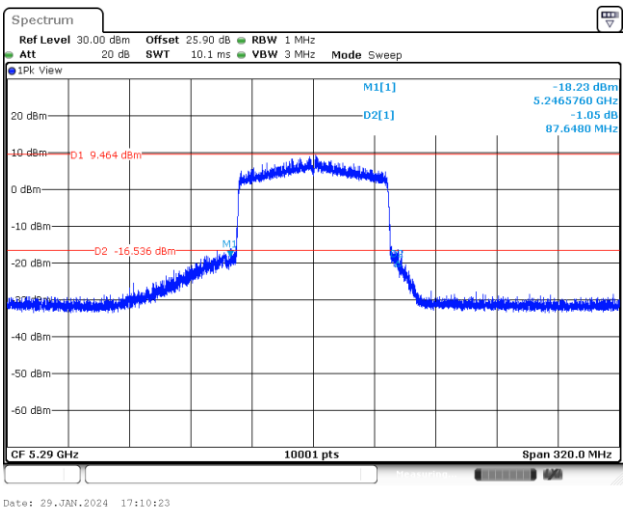
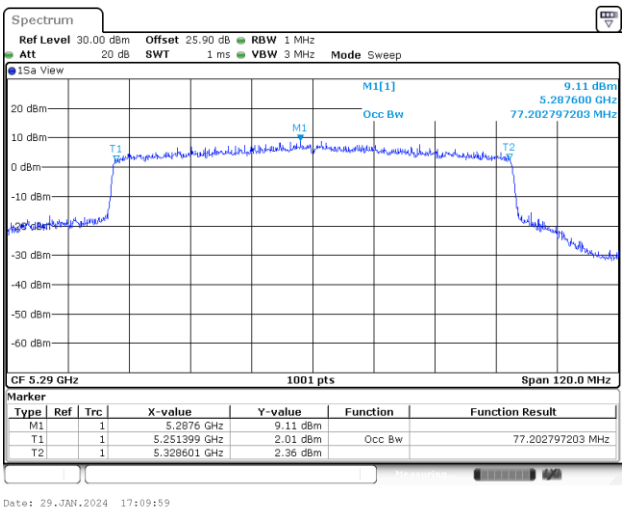
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11ax HE40>

26dB Bandwidth	99% Occupied Bandwidth
	

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

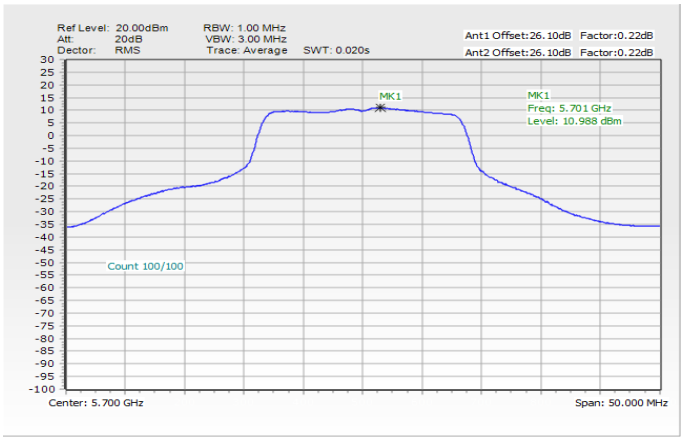
<802.11ax HE80>

26dB Bandwidth	99% Occupied Bandwidth
	

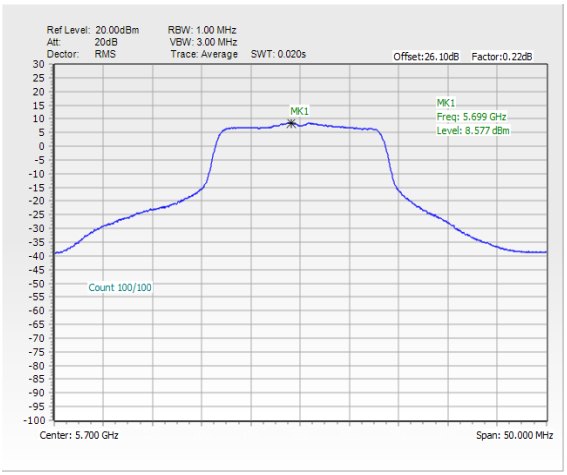
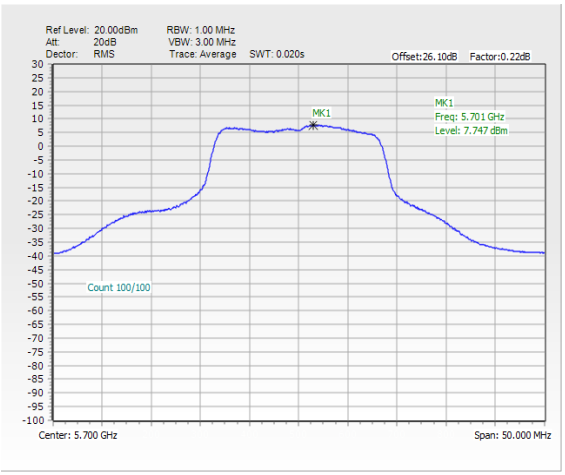
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

Test Result of Power Spectral Density

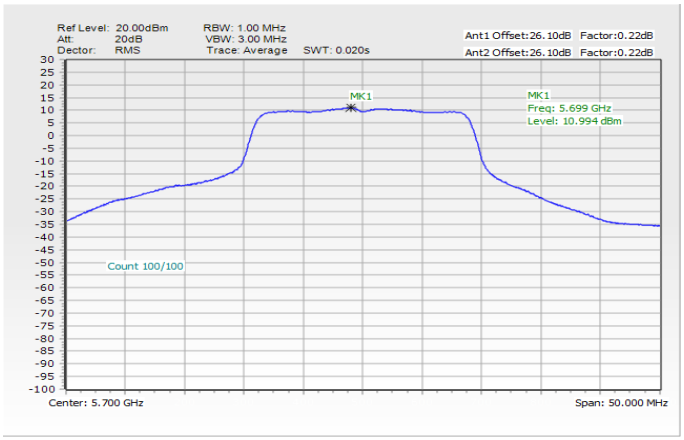
<802.11a>

Maximum Power Density Plot (dBm/MHz)


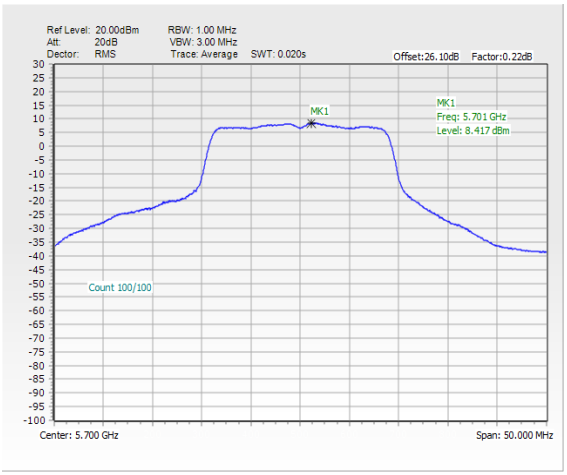
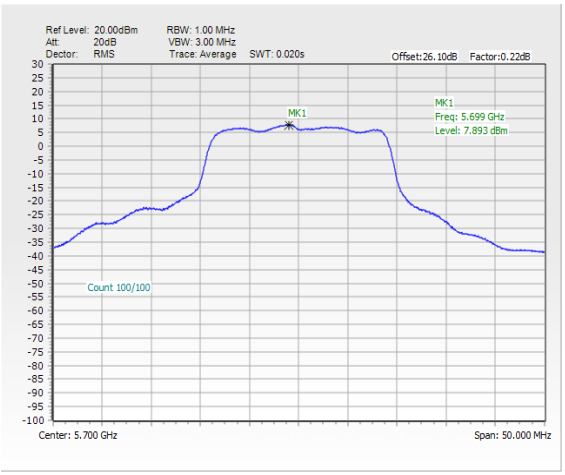
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6)
	

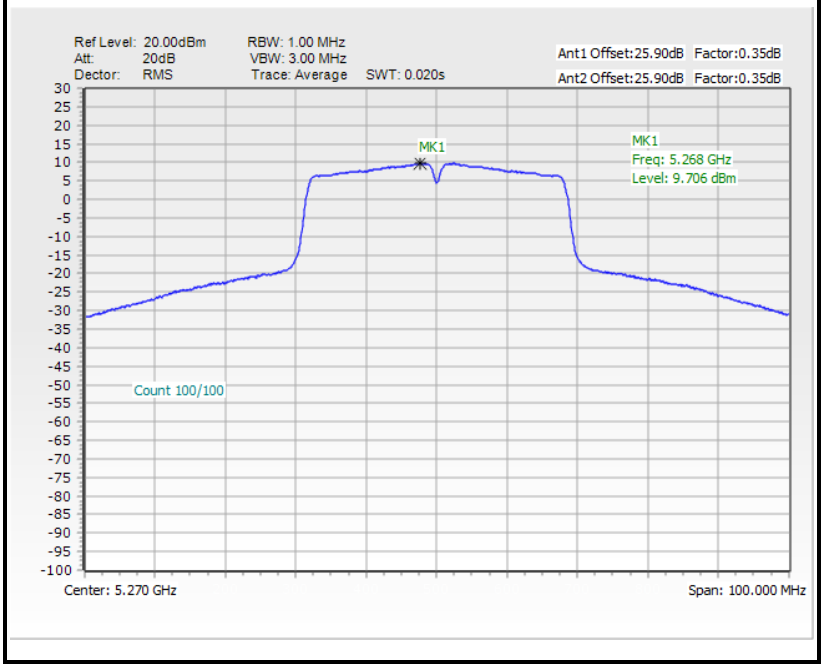
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)


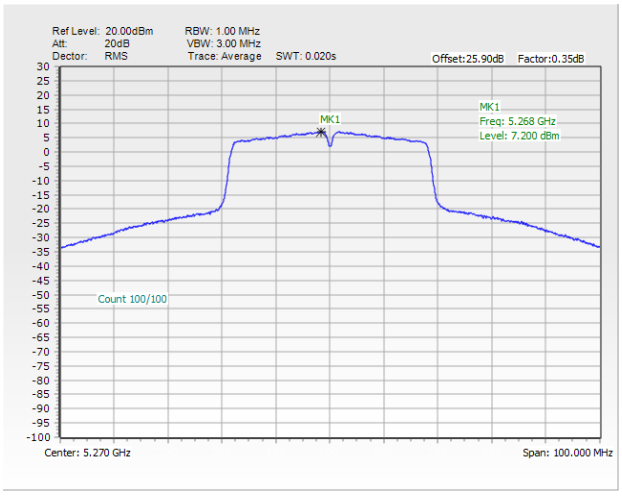
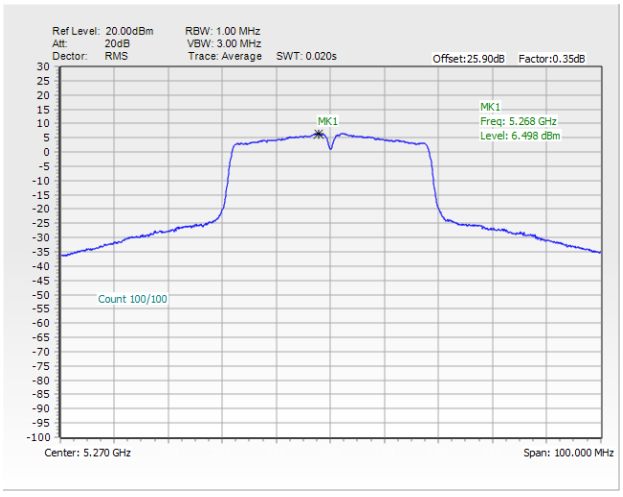
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6
	

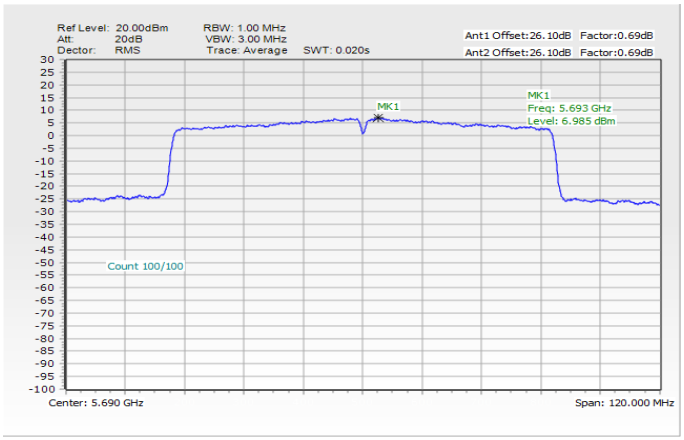
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)


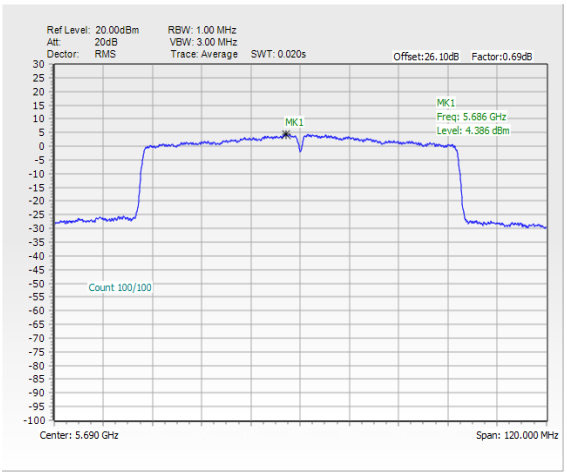
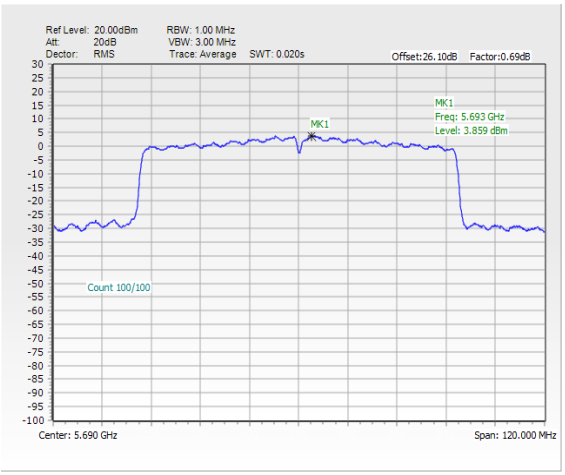
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6)
	

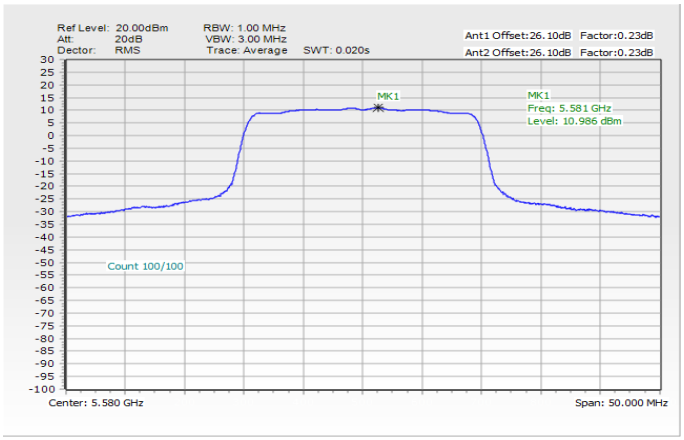
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


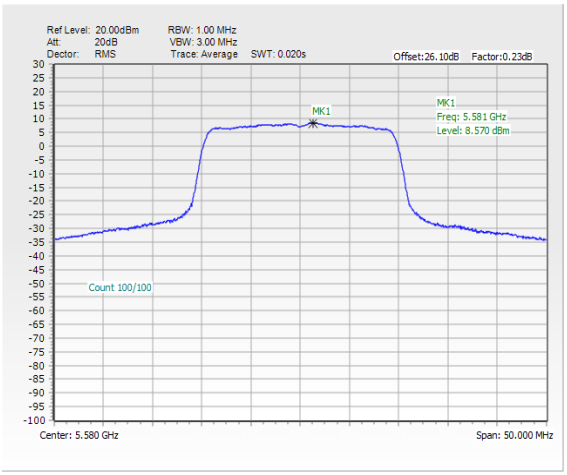
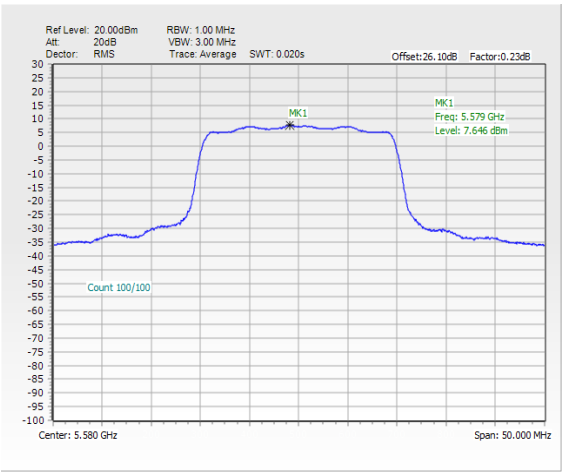
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6)
	

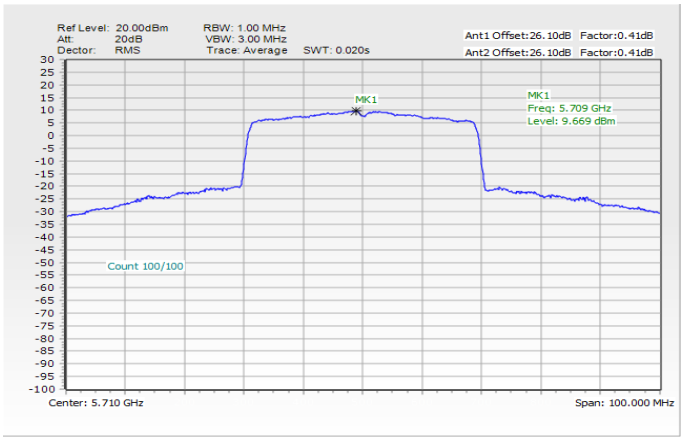
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


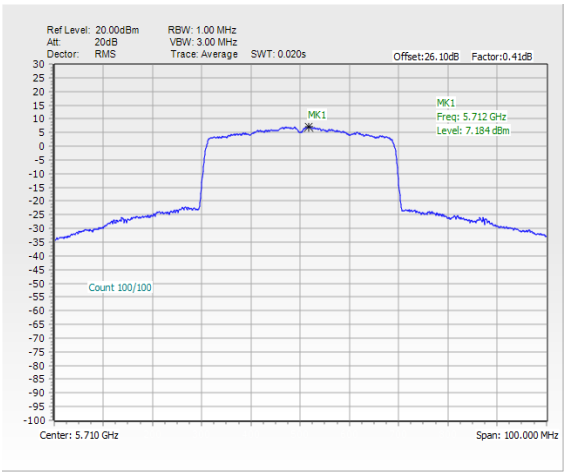
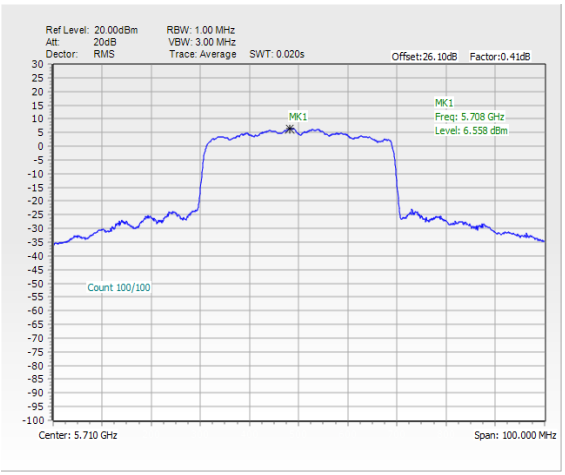
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6)
	

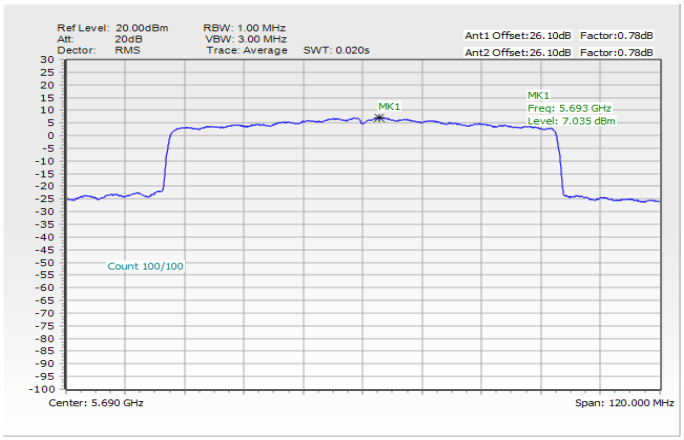
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


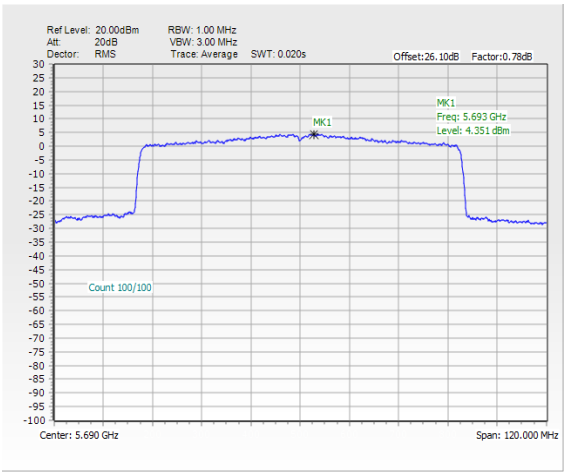
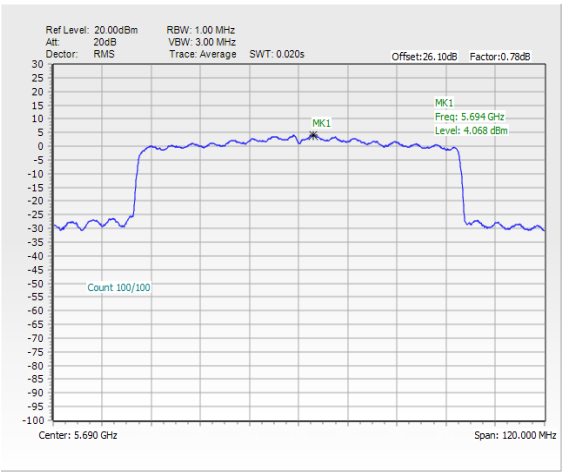
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6)
	

<802.11ax HE80>

Maximum Power Density Plot (dBm/MHz)


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

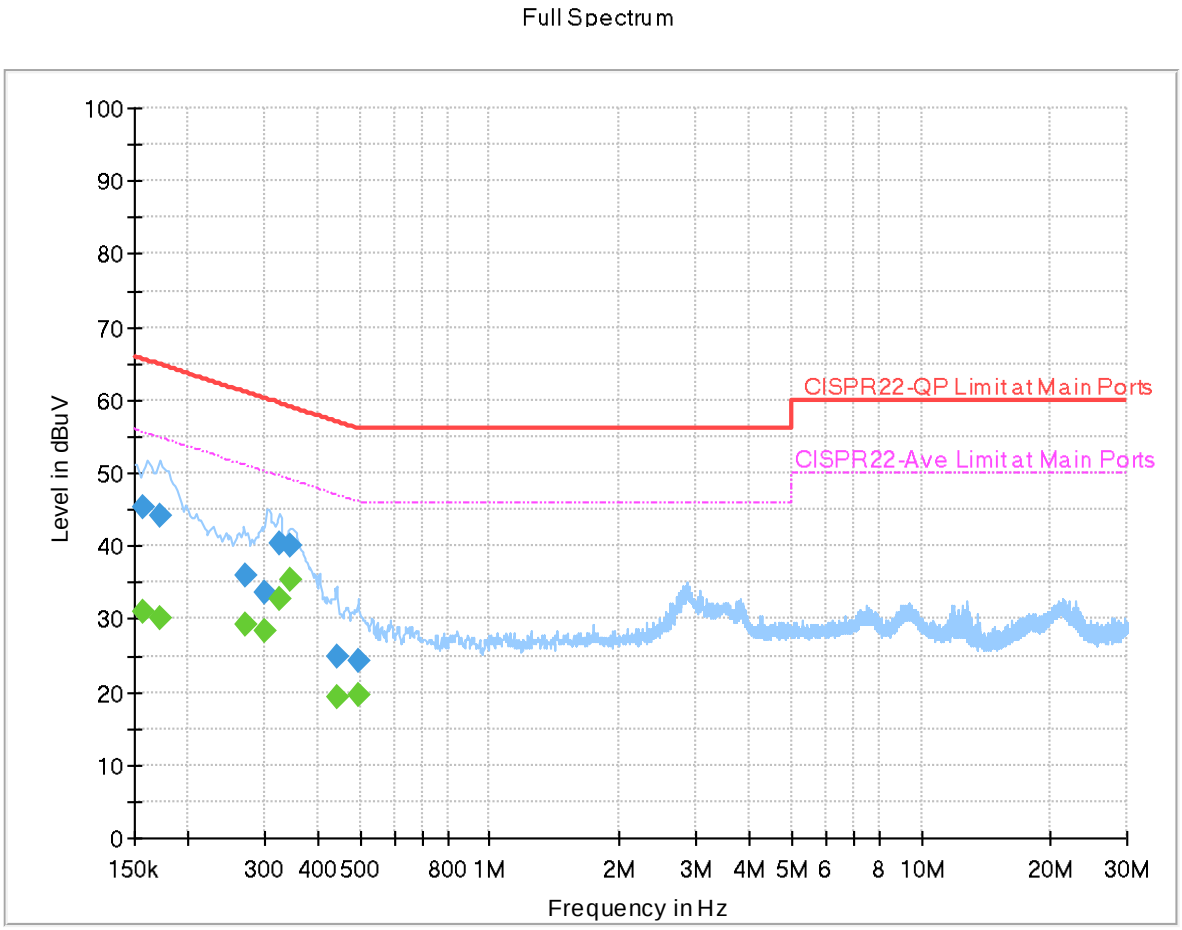
Maximum Power Density Plot Trace 1 (Ant 3)	Maximum Power Density Plot Trace 2 (Ant 6)
	

Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	22.2~23℃
		Relative Humidity :	47.9~53.2%

EUT Information

Report NO :	3D0631-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

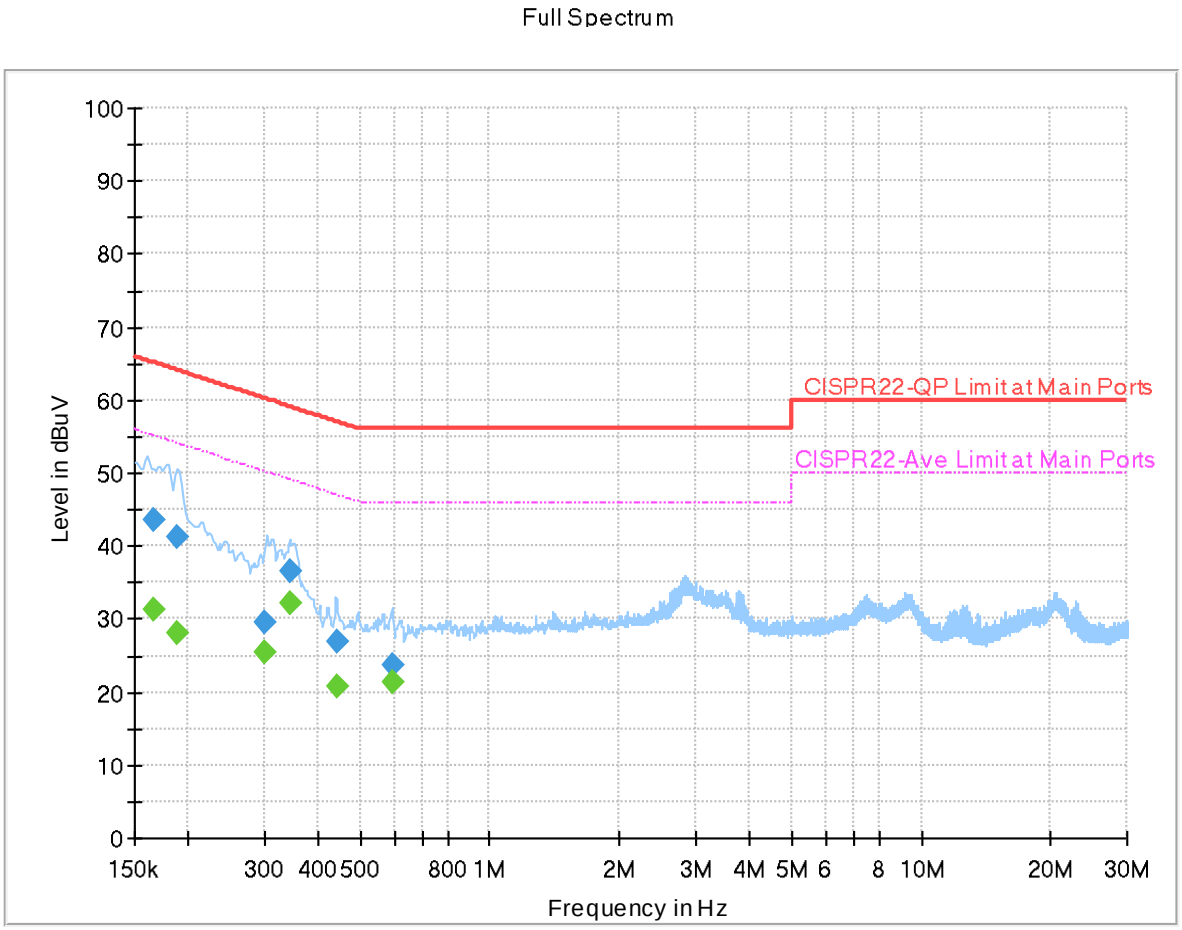


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.156750	---	30.91	55.63	24.72	L1	OFF	19.9
0.156750	45.26	---	65.63	20.37	L1	OFF	19.9
0.171960	---	30.15	54.87	24.72	L1	OFF	19.9
0.171960	44.16	---	64.87	20.71	L1	OFF	19.9
0.270240	---	29.24	51.11	21.87	L1	OFF	19.9
0.270240	35.90	---	61.11	25.21	L1	OFF	19.9
0.300750	---	28.30	50.22	21.92	L1	OFF	19.9
0.300750	33.73	---	60.22	26.49	L1	OFF	19.9
0.326400	---	32.66	49.54	16.88	L1	OFF	19.9
0.326400	40.24	---	59.54	19.30	L1	OFF	19.9
0.344940	---	35.49	49.08	13.59	L1	OFF	19.9
0.344940	39.94	---	59.08	19.14	L1	OFF	19.9
0.444300	---	19.35	46.98	27.63	L1	OFF	19.9
0.444300	24.78	---	56.98	32.20	L1	OFF	19.9
0.495510	---	19.48	46.08	26.60	L1	OFF	19.9
0.495510	24.32	---	56.08	31.76	L1	OFF	19.9

EUT Information

Report NO :	3D0631-01
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.165750	---	31.40	55.17	23.77	N	OFF	19.9
0.165750	43.61	---	65.17	21.56	N	OFF	19.9
0.187530	---	28.16	54.15	25.99	N	OFF	19.9
0.187530	41.15	---	64.15	23.00	N	OFF	19.9
0.300750	---	25.47	50.22	24.75	N	OFF	19.9
0.300750	29.58	---	60.22	30.64	N	OFF	19.9
0.345120	---	32.03	49.08	17.05	N	OFF	19.9
0.345120	36.55	---	59.08	22.53	N	OFF	19.9
0.441690	---	20.77	47.03	26.26	N	OFF	19.9
0.441690	27.02	---	57.03	30.01	N	OFF	19.9
0.592620	---	21.34	46.00	24.66	N	OFF	19.9
0.592620	23.67	---	56.00	32.33	N	OFF	19.9

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Leo Li, Karl Hou and Ken Kuo	**Temperature :**	22.1~23.1°C
		Relative Humidity :	55~60%

C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11a	52	5260	6Mbps	-	-
Mode 2	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11a	60	5300	6Mbps	-	-
Mode 3	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11a	64	5320	6Mbps	-	-
Mode 4	U-NII-2A	5.15-5.25	3+6 (CDD)	802.11ac VHT20	52	5260	MCS0	-	-
Mode 5	U-NII-2A	5.15-5.25	3+6 (CDD)	802.11ac VHT20	60	5300	MCS0	-	-
Mode 6	U-NII-2A	5.15-5.25	3+6 (CDD)	802.11ac VHT20	64	5320	MCS0	-	-
Mode 7	U-NII-2A	5.15-5.25	3+6 (CDD)	802.11ac VHT40	54	5270	MCS0	-	-
Mode 8	U-NII-2A	5.15-5.25	3+6 (CDD)	802.11ac VHT40	62	5310	MCS0	-	-
Mode 9	U-NII-2A	5.15-5.25	3+6 (CDD)	802.11ac VHT80	58	5290	MCS0	-	-
Mode 11	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11ax HE20	52	5260	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 12	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11ax HE20	60	5300	MCS0	Full RU	-
Mode 13	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11ax HE20	64	5320	MCS0	Full RU	-
Mode 14	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11ax HE40	54	5270	MCS0	Full RU	-
Mode 15	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11ax HE40	62	5310	MCS0	Full RU	-
Mode 16	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11ax HE80	58	5290	MCS0	Full RU	-
Mode 18	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11a	100	5500	6Mbps	-	-
Mode 19	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11a	116	5580	6Mbps	-	-
Mode 20	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11a	140	5700	6Mbps	-	-
Mode 21	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11a	144	5720	6Mbps	-	-
Mode 22	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT20	100	5500	MCS0	-	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 23	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT20	116	5580	MCS0	-	-
Mode 24	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT20	140	5700	MCS0	-	-
Mode 25	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT20	144	5720	MCS0	-	-
Mode 26	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT40	102	5510	MCS0	-	-
Mode 27	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT40	110	5550	MCS0	-	-
Mode 28	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT40	134	5670	MCS0	-	-
Mode 29	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT40	142	5710	MCS0	-	-
Mode 30	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT80	106	5530	MCS0	-	-
Mode 31	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT80	122	5610	MCS0	-	-
Mode 32	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ac VHT80	138	5690	MCS0	-	-
Mode 33	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE20	100	5500	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 34	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE20	116	5580	MCS0	Full RU	-
Mode 35	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE20	140	5700	MCS0	Full RU	-
Mode 36	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE20	144	5720	MCS0	Full RU	-
Mode 37	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE40	102	5510	MCS0	Full RU	-
Mode 38	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE40	110	5550	MCS0	Full RU	-
Mode 39	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE40	134	5670	MCS0	Full RU	-
Mode 40	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE40	142	5710	MCS0	Full RU	-
Mode 41	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE80	106	5530	MCS0	Full RU	-
Mode 42	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE80	122	5610	MCS0	Full RU	-
Mode 43	U-NII-2C	5.47-5.725	3+6 (CDD)	802.11ax HE80	138	5690	MCS0	Full RU	-

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 46	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11a	52	5260	6Mbps	-	SHF
Mode 47	U-NII-2A	5.25-5.35	3+6 (CDD)	802.11a	52	5260	6Mbps	-	LF

C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	52	5353.00	50.63	54.00	-3.37	V	Avg.	Pass	-	Band Edge
	802.11a	52	15780.00	52.93	54.00	-1.07	V	Avg.	Pass	-	Harmonic
2	802.11a	60	5352.80	51.21	54.00	-2.79	V	Avg.	Pass	-	Band Edge
	802.11a	60	15900.00	48.06	54.00	-5.94	H	Avg.	Pass	-	Harmonic
3	802.11a	64	5353.04	52.49	54.00	-1.51	V	Avg.	Pass	-	Band Edge
	802.11a	64	15960.00	46.27	54.00	-7.73	V	Avg.	Pass	-	Harmonic
4	802.11ac VHT20	52	5352.00	51.36	54.00	-2.64	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	52	15780.00	52.66	54.00	-1.34	H	Avg.	Pass	-	Harmonic
5	802.11ac VHT20	60	5352.00	50.77	54.00	-3.23	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	60	15900.00	48.43	54.00	-5.57	H	Avg.	Pass	-	Harmonic
6	802.11ac VHT20	64	5351.92	52.20	54.00	-1.80	V	Avg.	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
6	802.11ac VHT20	64	15960.00	45.85	54.00	-8.15	V	Avg.	Pass	-	Harmonic
7	802.11ac VHT40	54	5350.75	52.54	54.00	-1.46	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	54	15810.00	46.77	54.00	-7.23	H	Avg.	Pass	-	Harmonic
8	802.11ac VHT40	62	5350.65	52.59	54.00	-1.41	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	62	15930.00	45.73	54.00	-8.27	H	Avg.	Pass	-	Harmonic
9	802.11ac VHT80	58	5350.52	52.65	54.00	-1.35	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	58	15870.00	46.28	54.00	-7.72	V	Avg.	Pass	-	Harmonic
11	802.11ax HE20	52	5350.40	51.32	54.00	-2.68	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	52	15780.00	52.76	54.00	-1.24	H	Avg.	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
12	802.11ax HE20	60	5350.24	51.30	54.00	-2.70	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	60	15900.00	46.44	54.00	-7.56	H	Avg.	Pass	Full RU	Harmonic
13	802.11ax HE20	64	5351.50	52.38	54.00	-1.62	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	64	15960.00	46.63	54.00	-7.37	V	Avg.	Pass	Full RU	Harmonic
14	802.11ax HE40	54	5350.56	52.45	54.00	-1.55	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	54	15810.00	46.19	54.00	-7.81	H	Avg.	Pass	Full RU	Harmonic
15	802.11ax HE40	62	5350.35	52.59	54.00	-1.41	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	62	15930.00	45.82	54.00	-8.18	V	Avg.	Pass	Full RU	Harmonic
16	802.11ax HE80	58	5350.52	52.51	54.00	-1.49	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	58	15870.00	46.14	54.00	-7.86	V	Avg.	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
18	802.11a	100	5469.40	63.72	68.20	-4.48	V	Peak	Pass	-	Band Edge
	802.11a	100	16500.00	63.24	68.20	-4.96	V	Peak	Pass	-	Harmonic
19	802.11a	116	5418.54	48.78	54.00	-5.22	V	Avg.	Pass	-	Band Edge
	802.11a	116	16740.00	62.72	68.20	-5.48	V	Peak	Pass	-	Harmonic
20	802.11a	140	5726.91	64.65	68.20	-3.55	V	Peak	Pass	-	Band Edge
	802.11a	140	11400.00	42.53	54.00	-11.47	H	Avg.	Pass	-	Harmonic
21	802.11a	144	5854.00	57.49	68.20	-10.71	V	Peak	Pass	-	Band Edge
	802.11a	144	17160.00	64.93	68.20	-3.27	V	Peak	Pass	-	Harmonic
22	802.11ac VHT20	100	5468.50	65.21	68.20	-2.99	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	100	11000.00	41.32	54.00	-12.68	V	Avg.	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
23	802.11ac VHT20	116	5468.22	67.11	68.20	-1.09	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	116	16740.00	60.21	68.20	-7.99	V	Peak	Pass	-	Harmonic
24	802.11ac VHT20	140	5727.56	66.58	68.20	-1.62	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	140	11400.00	42.40	54.00	-11.60	V	Avg.	Pass	-	Harmonic
25	802.11ac VHT20	144	5874.25	58.86	68.20	-9.34	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	144	17160.00	62.58	68.20	-5.62	H	Peak	Pass	-	Harmonic
26	802.11ac VHT40	102	5468.24	63.36	68.20	-4.84	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	102	16530.00	56.50	68.20	-11.70	V	Peak	Pass	-	Harmonic
27	802.11ac VHT40	110	5460.00	52.92	54.00	-1.08	V	Avg.	Pass	-	Band Edge
	802.11ac VHT40	110	11100.00	42.06	54.00	-11.94	H	Avg.	Pass	-	Harmonic
28	802.11ac VHT40	134	5725.29	66.76	68.20	-1.44	V	Peak	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
28	802.11ac VHT40	134	17010.00	58.41	68.20	-9.79	V	Peak	Pass	-	Harmonic
29	802.11ac VHT40	142	5852.75	64.61	68.20	-3.59	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	142	17130.00	61.69	68.20	-6.51	V	Peak	Pass	-	Harmonic
30	802.11ac VHT80	106	5457.46	52.73	54.00	-1.27	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	106	16590.00	56.00	68.20	-12.20	V	Peak	Pass	-	Harmonic
31	802.11ac VHT80	122	5457.90	52.44	54.00	-1.56	V	Avg.	Pass	-	Band Edge
	802.11ac VHT80	122	11220.00	42.36	54.00	-11.64	H	Avg.	Pass	-	Harmonic
32	802.11ac VHT80	138	5868.00	65.12	68.20	-3.08	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	138	11380.00	42.74	54.00	-11.26	V	Avg.	Pass	-	Harmonic
33	802.11ax HE20	100	5459.05	46.38	54.00	-7.62	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	100	16500.00	56.36	68.20	-11.84	V	Peak	Pass	Full RU	Harmonic

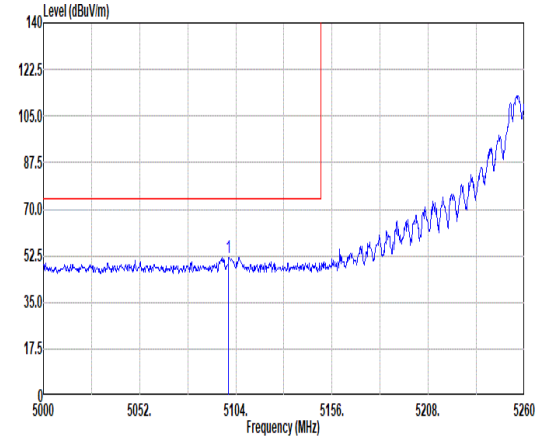
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
34	802.11ax HE20	116	5467.53	65.49	68.20	-2.71	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	116	16740.00	61.09	68.20	-7.11	V	Peak	Pass	Full RU	Harmonic
35	802.11ax HE20	140	5726.26	65.50	68.20	-2.70	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	140	11400.00	42.60	54.00	-11.40	H	Avg.	Pass	Full RU	Harmonic
36	802.11ax HE20	144	5851.50	58.27	68.20	-9.93	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	144	17160.00	63.83	68.20	-4.37	H	Peak	Pass	Full RU	Harmonic
37	802.11ax HE40	102	5469.84	64.18	68.20	-4.02	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	102	11020.00	41.85	54.00	-12.15	V	Avg.	Pass	Full RU	Harmonic
38	802.11ax HE40	110	5459.40	52.26	54.00	-1.74	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	110	11100.00	43.10	54.00	-10.90	H	Avg.	Pass	Full RU	Harmonic
39	802.11ax HE40	134	5725.77	67.01	68.20	-1.19	H	Peak	Pass	Full RU	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
39	802.11ax HE40	134	11340.00	43.33	54.00	-10.67	H	Avg.	Pass	Full RU	Harmonic
40	802.11ax HE40	142	5853.75	66.12	68.20	-2.08	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	142	17130.00	59.94	68.20	-8.26	H	Peak	Pass	Full RU	Harmonic
41	802.11ax HE80	106	5454.04	52.24	54.00	-1.76	V	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	106	11060.00	41.80	54.00	-12.20	H	Avg.	Pass	Full RU	Harmonic
42	802.11ax HE80	122	5726.25	66.13	68.20	-2.07	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	122	11220.00	42.61	54.00	-11.39	V	Avg.	Pass	Full RU	Harmonic
43	802.11ax HE80	138	5856.16	66.13	68.20	-2.07	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	138	11380.00	43.35	54.00	-10.65	H	Avg.	Pass	Full RU	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
46	802.11a	52	39371.85	46.62	74.00	-27.38	H	Peak	Pass	-	SHF
47	802.11a	52	31.94	32.97	40.00	-7.03	V	Peak.	Pass	-	LF

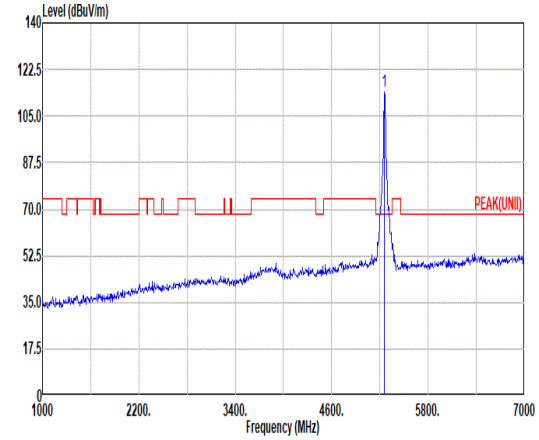
Mode	1	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

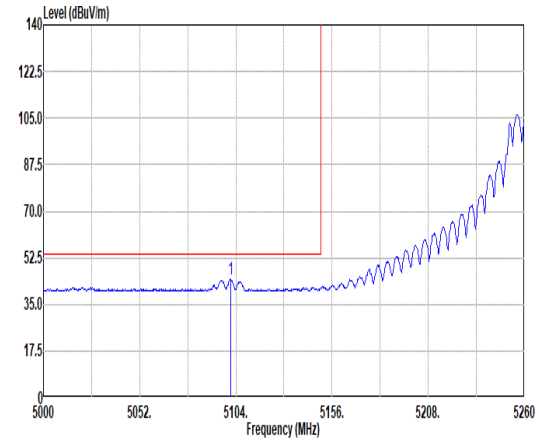
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5100.10	51.76	74.00	-22.24	41.13	32.70	10.44	33.13	0.62	363	360	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

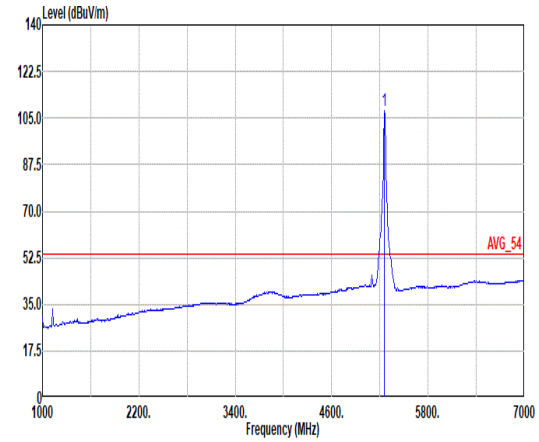
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	114.16	------	------	103.64	32.58	10.66	33.38	0.66	363	360	PEAK

Avg



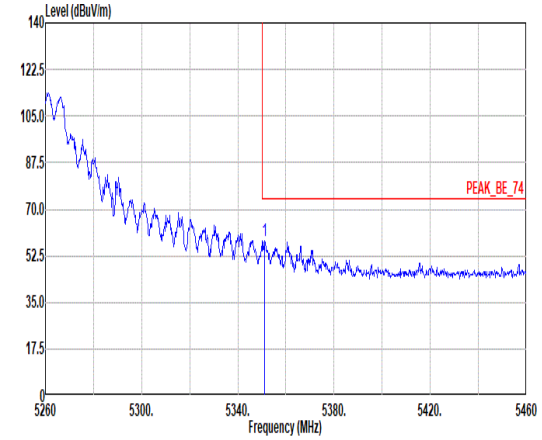
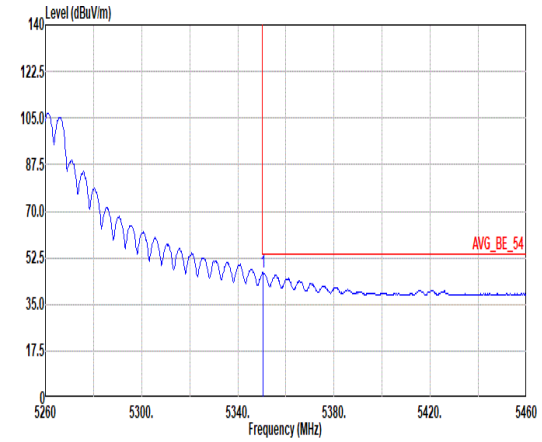
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5101.14	44.42	54.00	-9.58	33.79	32.70	10.44	33.13	0.62	363	360	AVERAGE



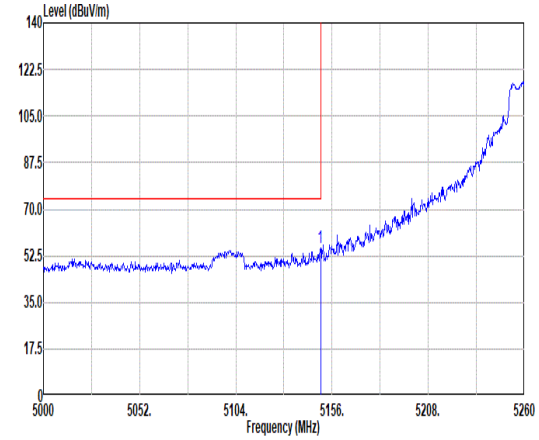
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	108.01	------	------	97.49	32.58	10.66	33.38	0.66	363	360	AVERAGE

Mode	1	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5351.20 57.87 74.00 -16.13 47.19 32.50 11.00 33.51 0.69 363 360 PEAK	**Blank**
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.60 47.14 54.00 -6.86 36.46 32.50 11.00 33.51 0.69 363 360 AVERAGE	**Blank**

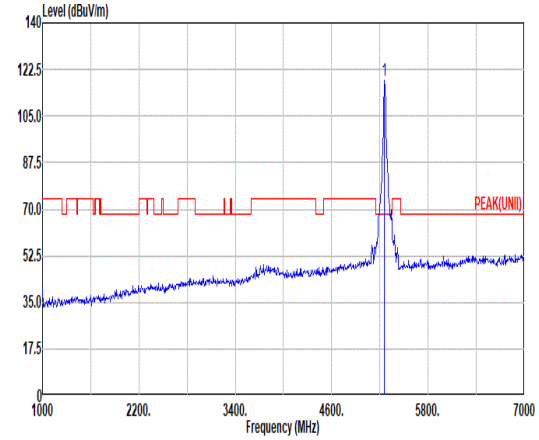
Mode	1	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

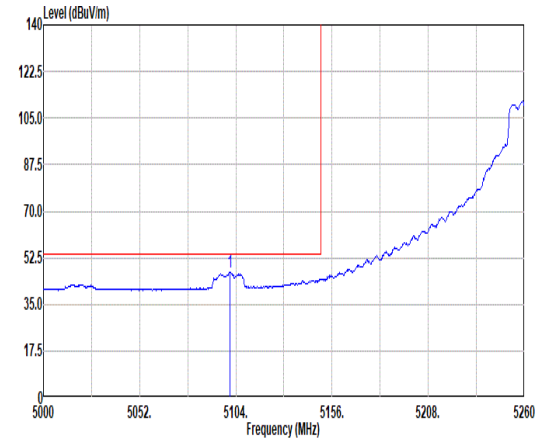
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5149.76	55.38	74.00	-18.62	44.92	32.60	10.44	33.21	0.63	400	69	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

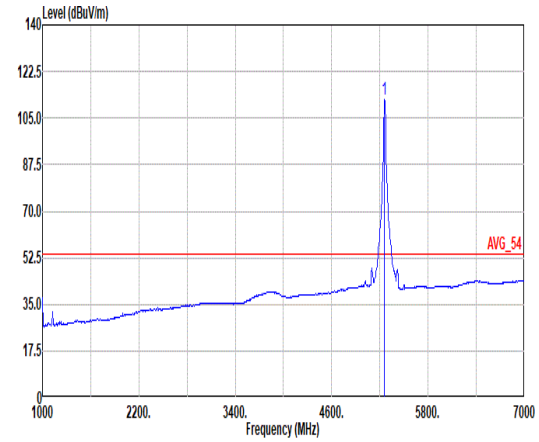
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	118.39	------	------	107.87	32.59	10.64	33.37	0.66	400	69	PEAK

Avg



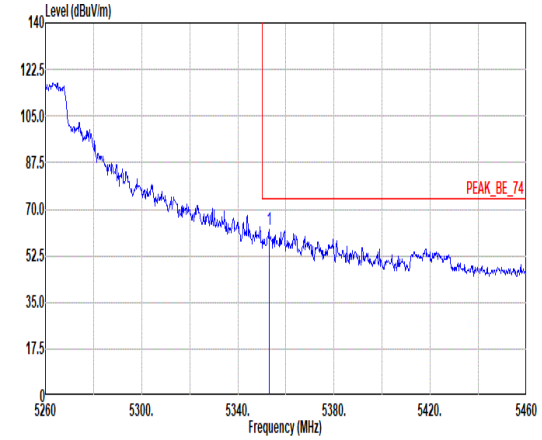
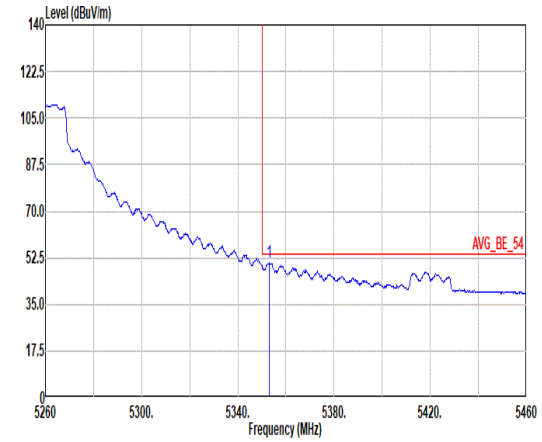
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5100.88	47.14	54.00	-6.86	36.51	32.70	10.44	33.13	0.62	400	69	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

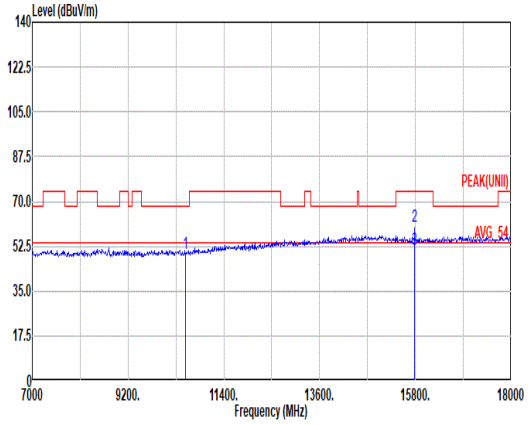
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	112.22	------	------	101.70	32.58	10.66	33.38	0.66	400	69	AVERAGE

Mode	1	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5353.00 62.44 74.00 -11.56 51.76 32.50 11.01 33.52 0.69 400 69 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5353.00 50.63 54.00 -3.37 39.95 32.50 11.01 33.52 0.69 400 69 AVERAGE	Blank

Mode	1	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

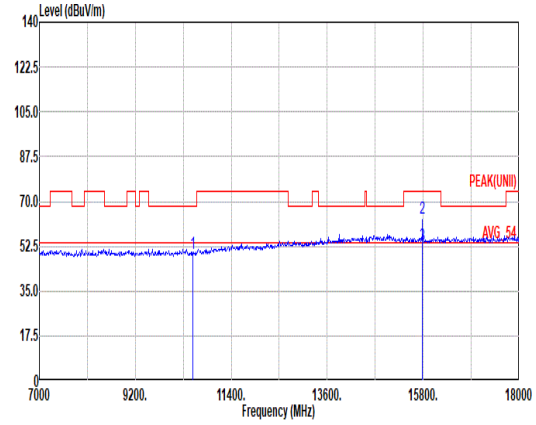
Peak

Avg



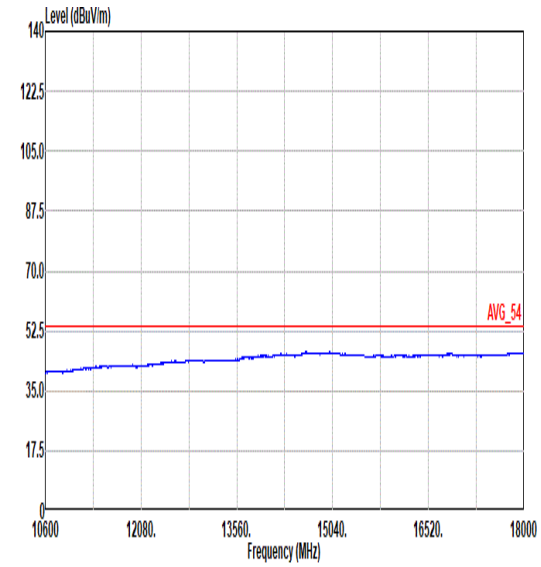
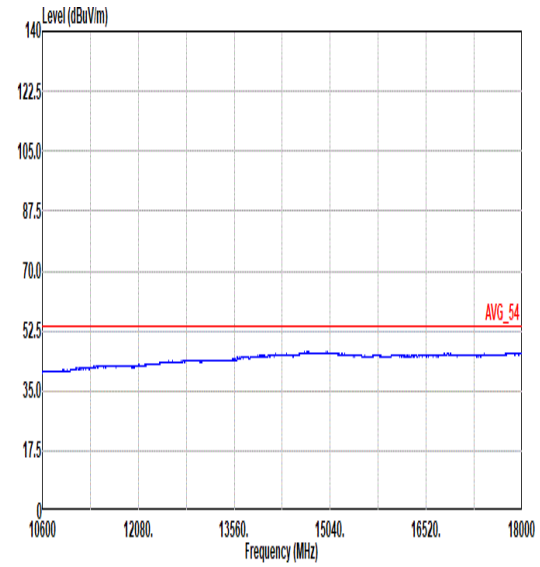
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10520.00	49.55	68.20	-18.65	34.25	37.18	14.86	38.88	2.14	--	--	Peak
2	15780.00	60.30	74.00	-13.70	43.38	40.74	18.19	44.83	2.82	215	307	Peak
3	15780.00	51.16	54.00	-2.84	34.24	40.74	18.19	44.83	2.82	215	307	Average



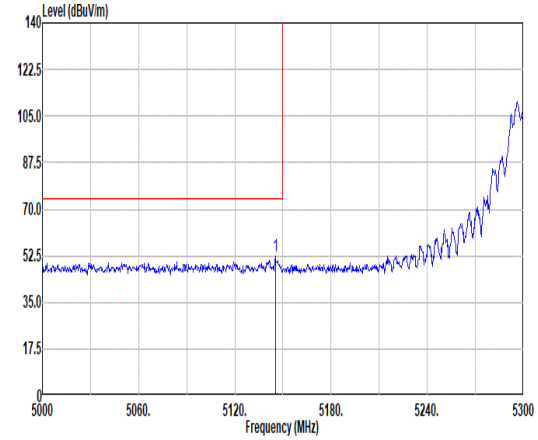
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10520.00	49.81	68.20	-18.39	34.51	37.18	14.86	38.88	2.14	--	--	Peak
2	15780.00	63.15	74.00	-10.85	46.23	40.74	18.19	44.83	2.82	106	89	Peak
3	15780.00	52.93	54.00	-1.07	36.01	40.74	18.19	44.83	2.82	106	89	Average

Mode	1	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

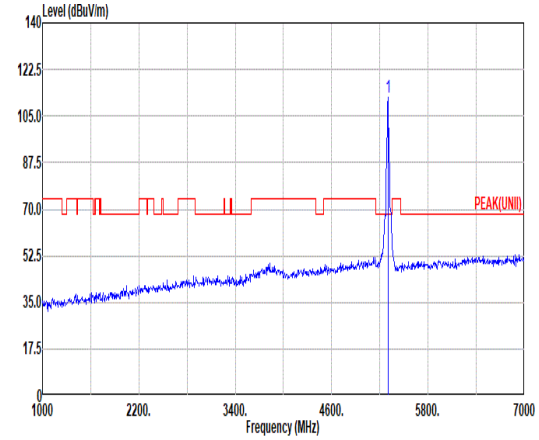
Mode	2	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

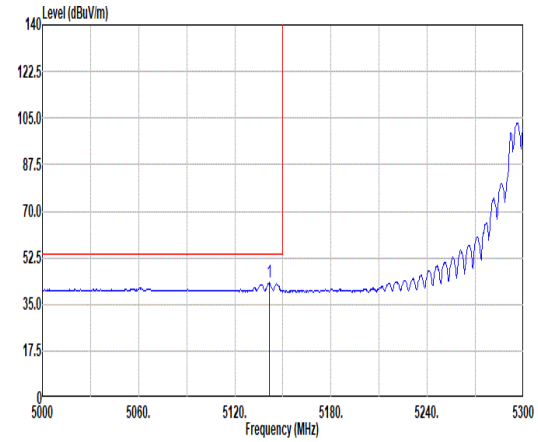
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5145.20	52.18	74.00	-21.82	41.70	32.61	10.44	33.20	0.63	312	360	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

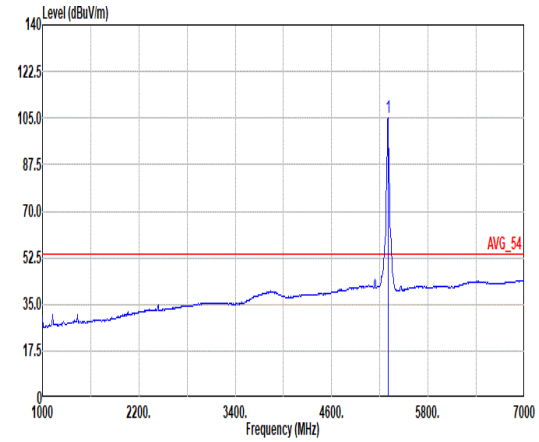
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	111.82	------	------	101.27	32.50	10.82	33.44	0.67	312	360	PEAK

Avg



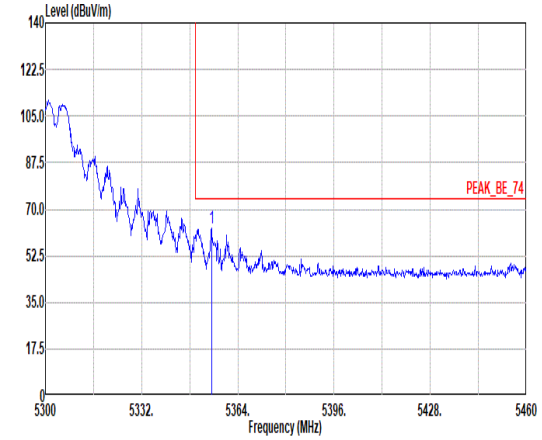
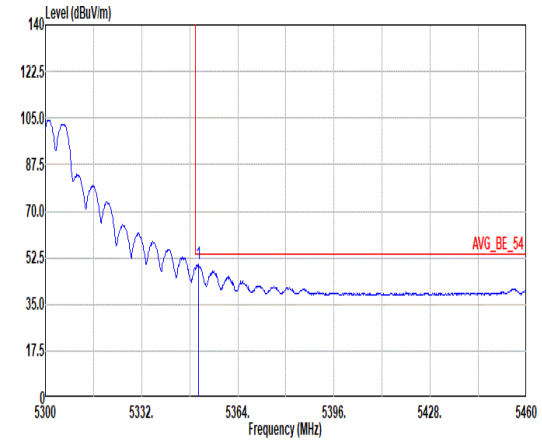
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5141.30	43.17	54.00	-10.83	32.67	32.62	10.44	33.19	0.63	312	360	AVERAGE



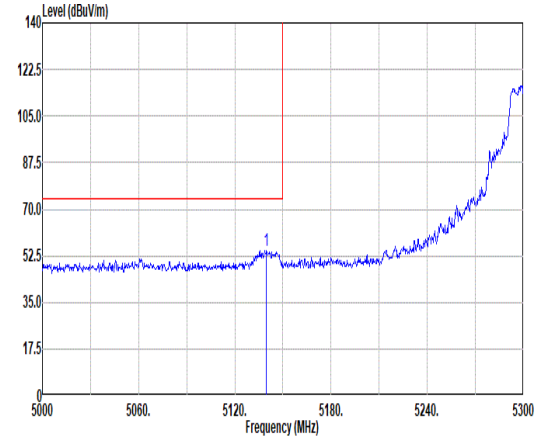
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	105.23	------	------	94.68	32.50	10.82	33.44	0.67	312	360	AVERAGE

Mode	2	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5355.20 62.88 74.00 -11.12 52.19 32.50 11.02 33.52 0.69 312 360 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.88 50.01 54.00 -3.99 39.33 32.50 11.00 33.51 0.69 312 360 AVERAGE	Blank

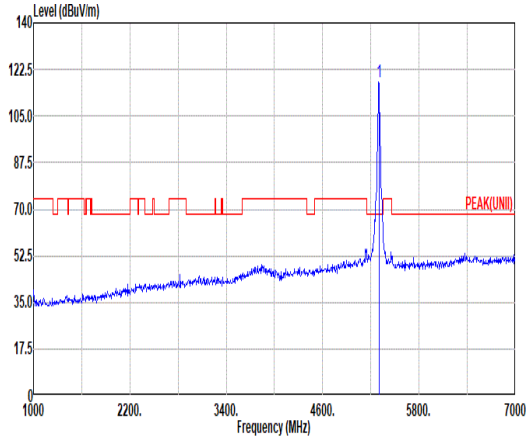
Mode	2	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

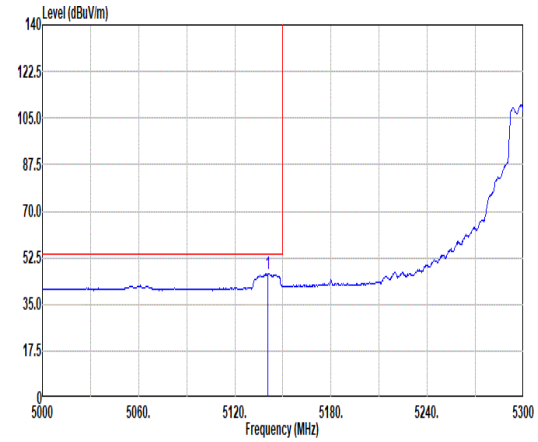
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5139.80	54.49	74.00	-19.51	43.99	32.62	10.44	33.19	0.63	394	70	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

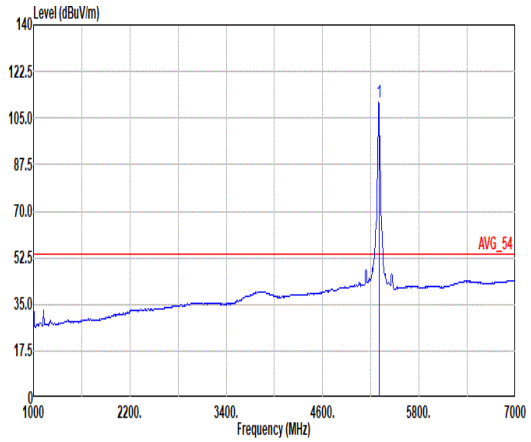
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	117.56	------	------	107.02	32.51	10.79	33.43	0.67	394	70	PEAK

Avg



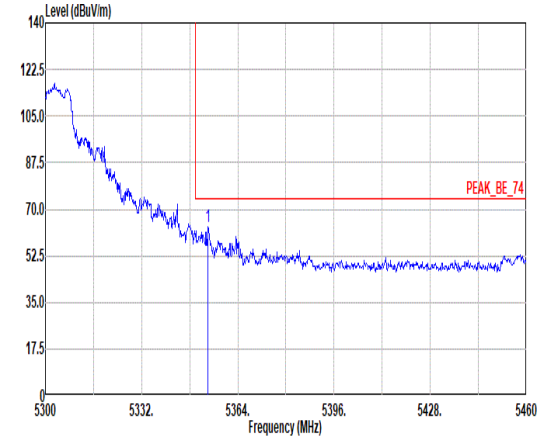
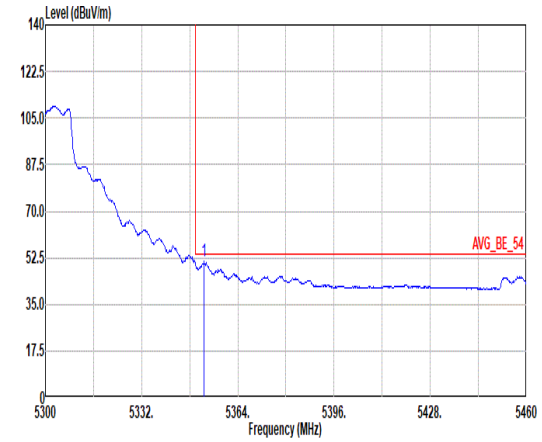
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5140.70	46.71	54.00	-7.29	36.21	32.62	10.44	33.19	0.63	394	70	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

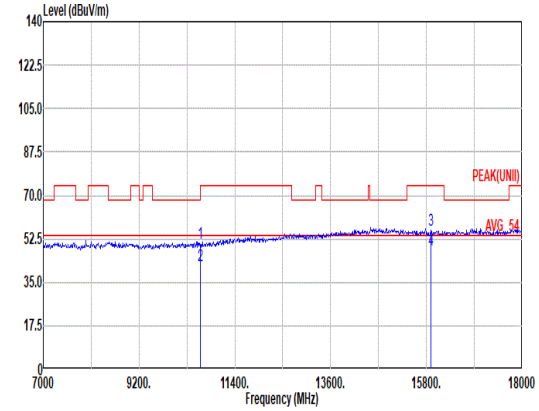
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	110.84	------	------	100.30	32.51	10.79	33.43	0.67	394	70	AVERAGE

Mode	2	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5354.08 63.36 74.00 -10.64 52.67 32.50 11.02 33.52 0.69 394 70 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.80 51.21 54.00 -2.79 40.53 32.50 11.01 33.52 0.69 394 70 AVERAGE	Blank

Mode	2	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

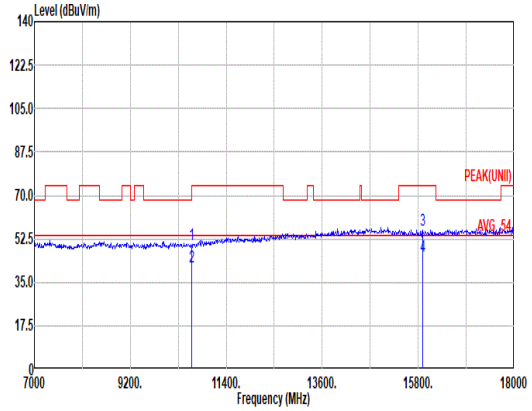
Peak

Avg



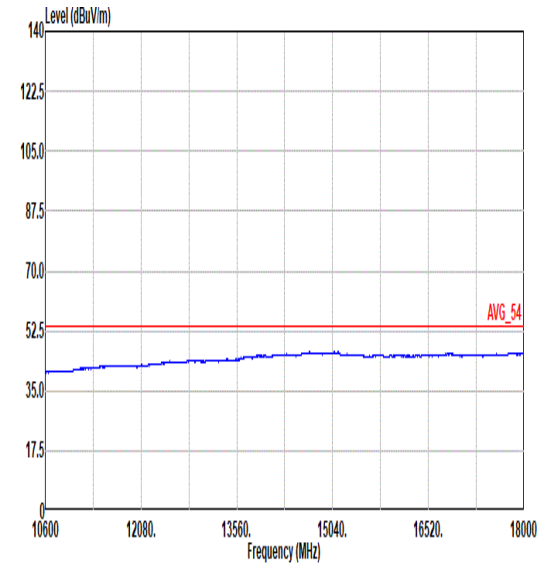
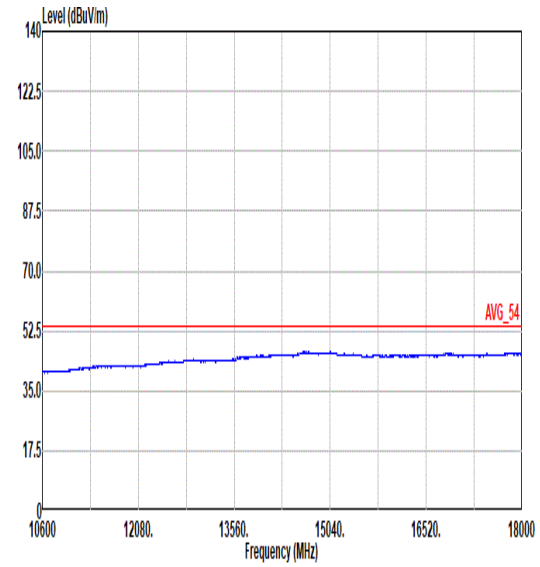
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10600.00	50.81	74.00	-23.19	35.32	37.40	14.91	38.97	2.15	--	--	Peak
2	10600.00	41.63	54.00	-12.37	26.14	37.40	14.91	38.97	2.15	--	--	Average
3	15900.00	56.17	74.00	-17.83	39.51	40.60	18.23	45.01	2.84	--	--	Peak
4	15900.00	48.06	54.00	-5.94	31.40	40.60	18.23	45.01	2.84	--	--	Average



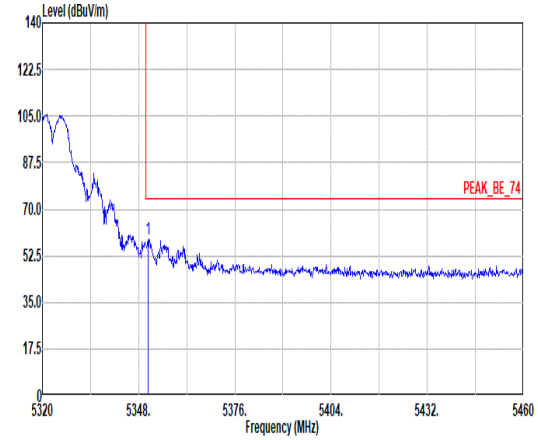
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10600.00	50.21	74.00	-23.79	34.72	37.40	14.91	38.97	2.15	--	--	Peak
2	10600.00	41.00	54.00	-13.00	25.51	37.40	14.91	38.97	2.15	--	--	Average
3	15900.00	55.84	74.00	-18.16	39.18	40.60	18.23	45.01	2.84	--	--	Peak
4	15900.00	45.63	54.00	-8.37	28.97	40.60	18.23	45.01	2.84	--	--	Average

Mode	2	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

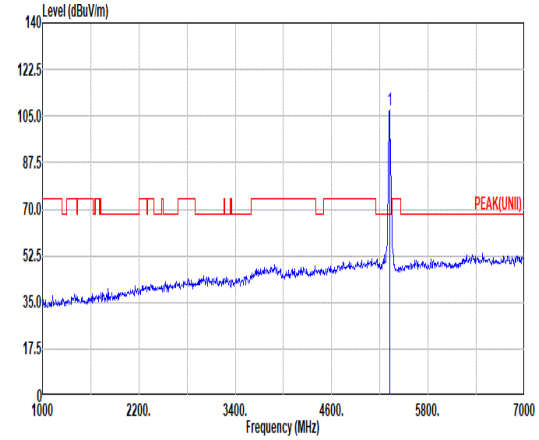
Mode	3	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

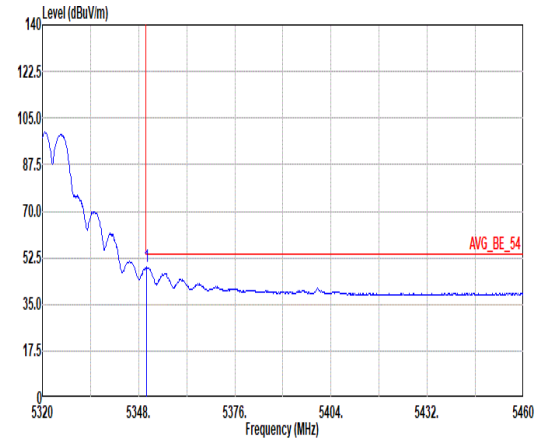
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5350.66	58.62	74.00	-15.38	47.94	32.50	11.00	33.51	0.69	362	360	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

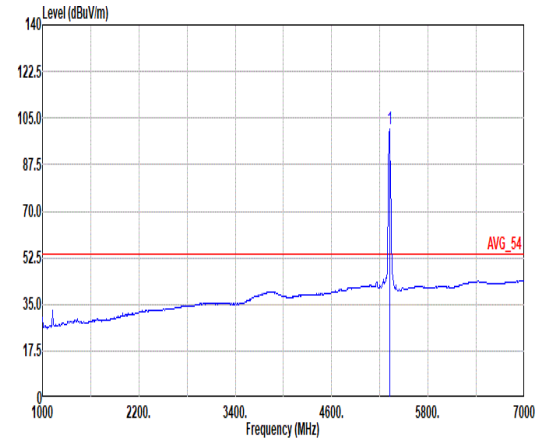
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	107.48	------	------	96.87	32.50	10.91	33.48	0.68	362	360	PEAK

Avg



Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5350.38	49.03	54.00	-4.97	38.35	32.50	11.00	33.51	0.69	362	360	AVERAGE

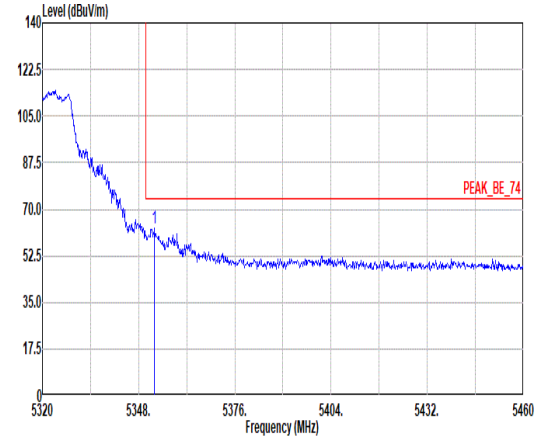


Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	100.69	------	------	90.09	32.50	10.89	33.47	0.68	362	360	AVERAGE

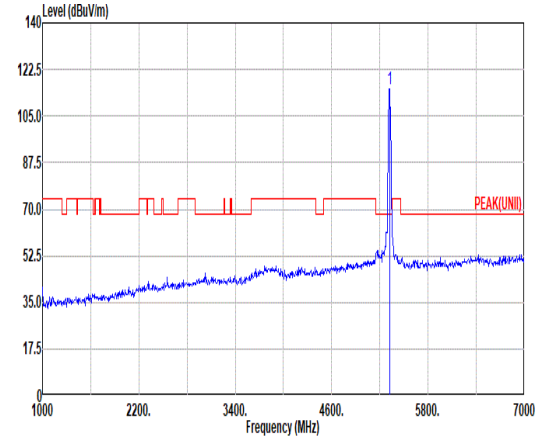
Mode	3	
	Band Edge	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

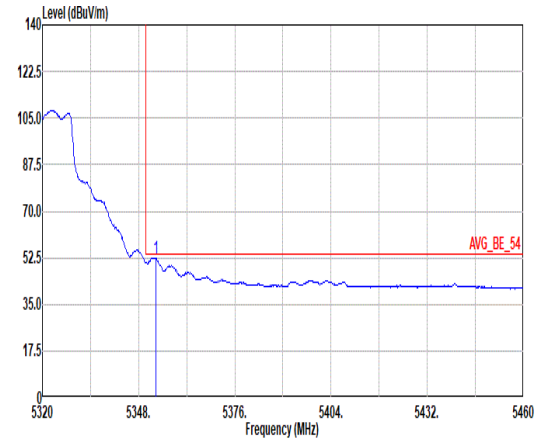
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5352.62	62.86	74.00	-11.14	52.18	32.50	11.01	33.52	0.69	391	71	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

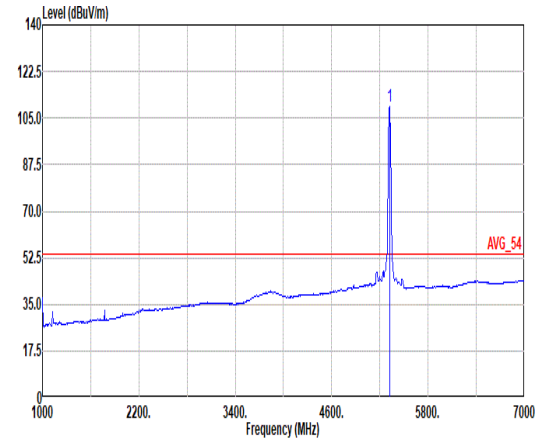
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	115.42	------	------	104.85	32.50	10.86	33.46	0.67	391	71	PEAK

Avg



Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5353.04	52.49	54.00	-1.51	41.81	32.50	11.01	33.52	0.69	391	71	AVERAGE



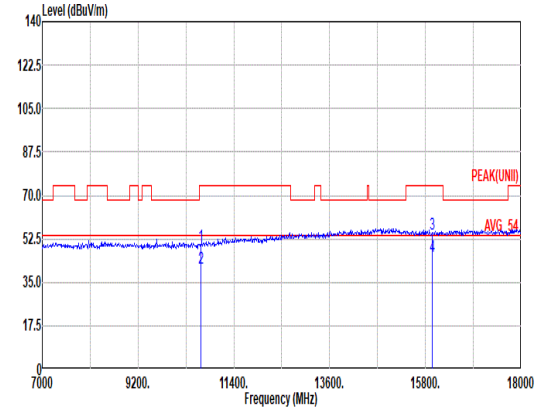
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	109.57	------	------	98.97	32.50	10.89	33.47	0.68	391	71	AVERAGE

Mode	3	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

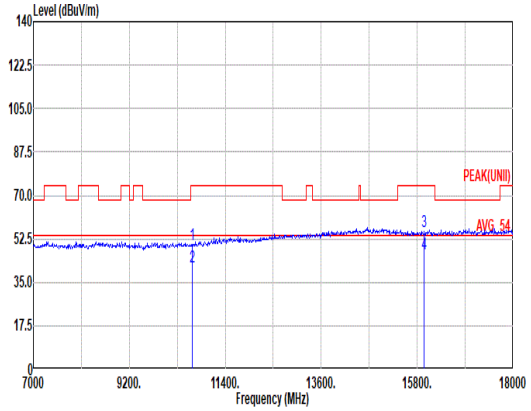
Peak

Avg



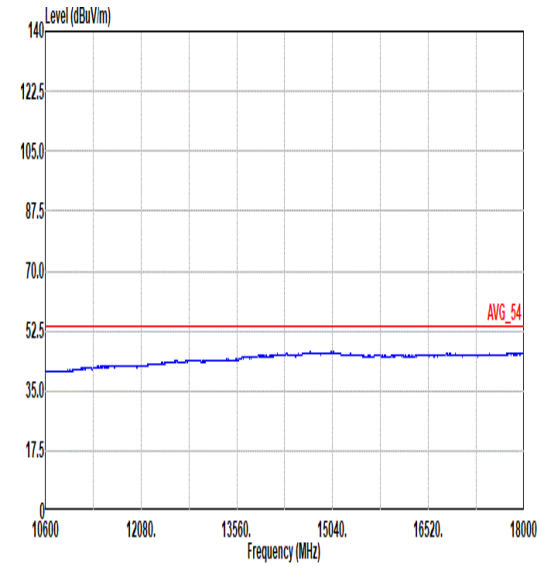
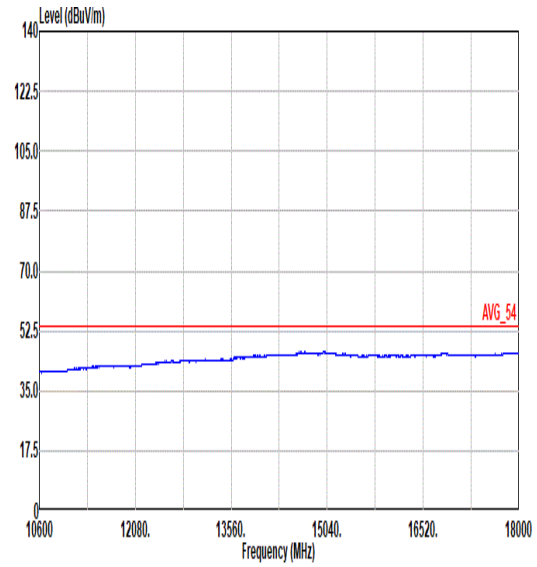
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10640.00	49.81	74.00	-24.19	34.34	37.40	14.93	39.01	2.15	--	--	Peak
2	10640.00	40.51	54.00	-13.49	25.04	37.40	14.93	39.01	2.15	--	--	Average
3	15960.00	54.45	74.00	-19.55	37.84	40.60	18.25	45.09	2.85	--	--	Peak
4	15960.00	45.30	54.00	-8.70	28.69	40.60	18.25	45.09	2.85	--	--	Average



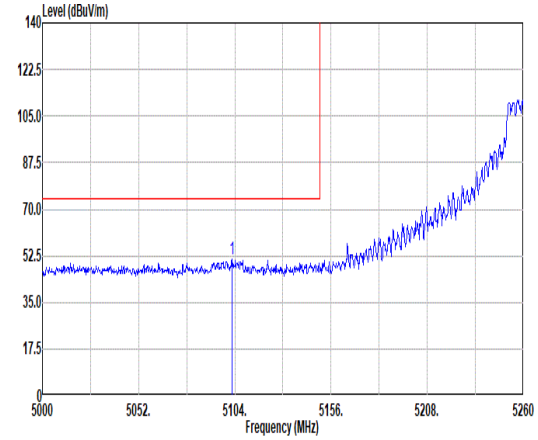
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10640.00	50.05	74.00	-23.95	34.58	37.40	14.93	39.01	2.15	--	--	Peak
2	10640.00	40.95	54.00	-13.05	25.48	37.40	14.93	39.01	2.15	--	--	Average
3	15960.00	55.43	74.00	-18.57	38.82	40.60	18.25	45.09	2.85	--	--	Peak
4	15960.00	46.27	54.00	-7.73	29.66	40.60	18.25	45.09	2.85	--	--	Average

Mode	3	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11a_CH64_5320MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL	 Site : 03CH23-HY Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

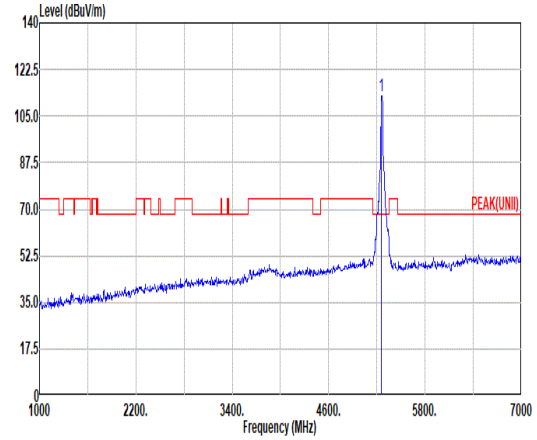
Mode	4	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

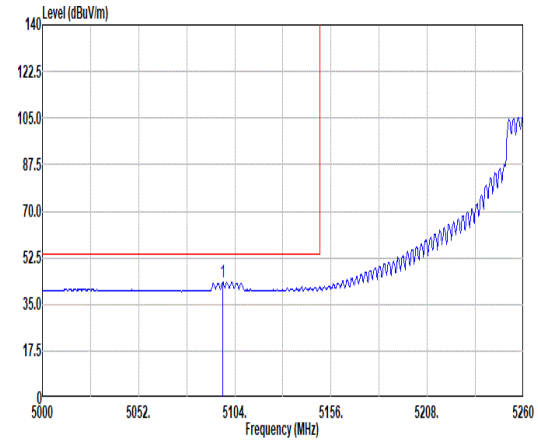
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5102.44	51.28	74.00	-22.72	40.66	32.70	10.44	33.14	0.62	301	152	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

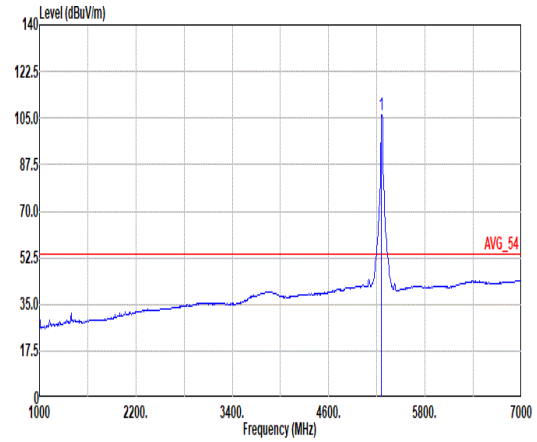
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	112.70	------	------	102.17	32.57	10.68	33.38	0.66	301	152	PEAK

Avg



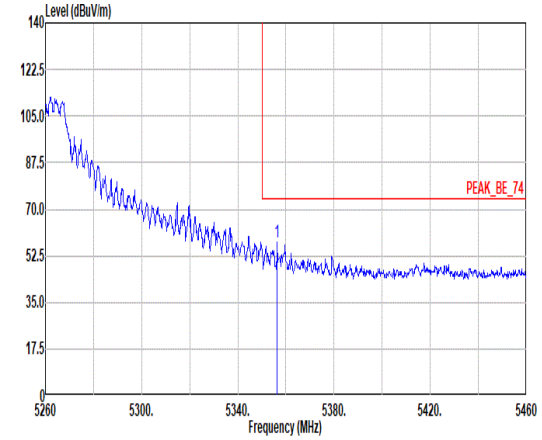
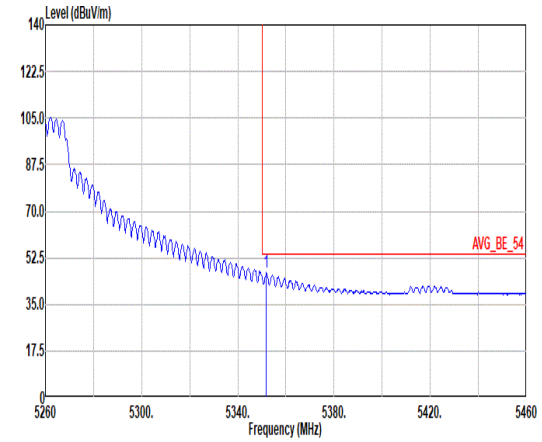
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5097.50	43.30	54.00	-10.70	32.66	32.70	10.45	33.13	0.62	301	152	AVERAGE



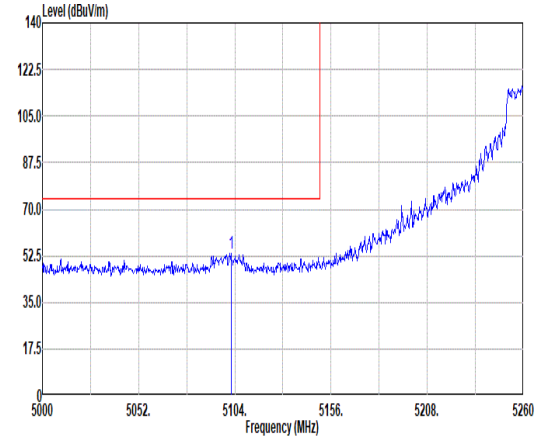
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	106.45	------	------	95.93	32.58	10.66	33.38	0.66	301	152	AVERAGE

Mode	4	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5356.40 57.43 74.00 -16.57 46.74 32.50 11.02 33.52 0.69 301 152 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5351.80 46.97 54.00 -7.03 36.28 32.50 11.01 33.51 0.69 301 152 AVERAGE	Blank

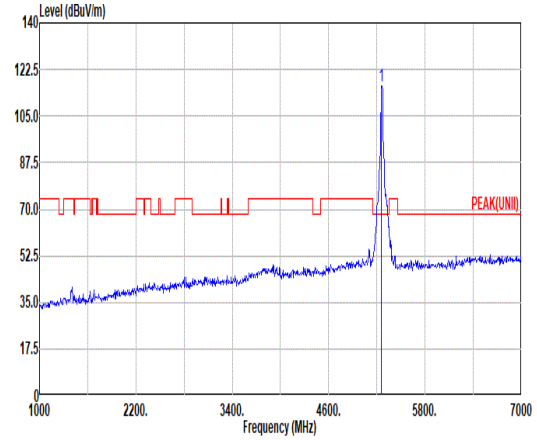
Mode	4	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

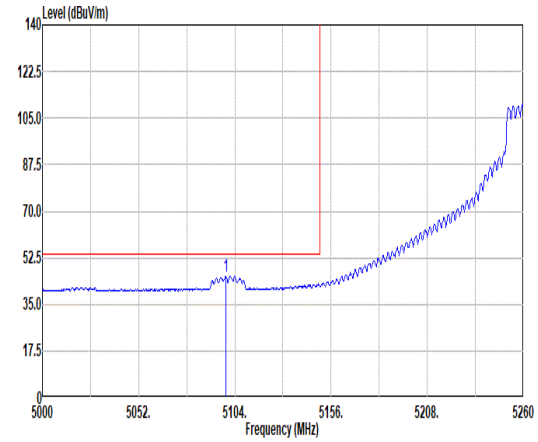
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5101.92	53.18	74.00	-20.82	42.55	32.70	10.44	33.13	0.62	381	287	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

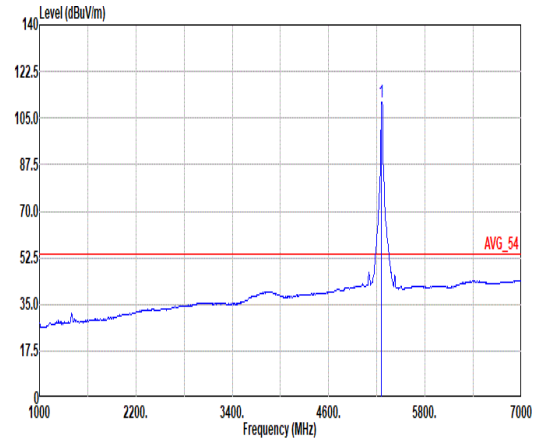
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	116.36	------	------	105.84	32.58	10.66	33.38	0.66	381	287	PEAK

Avg



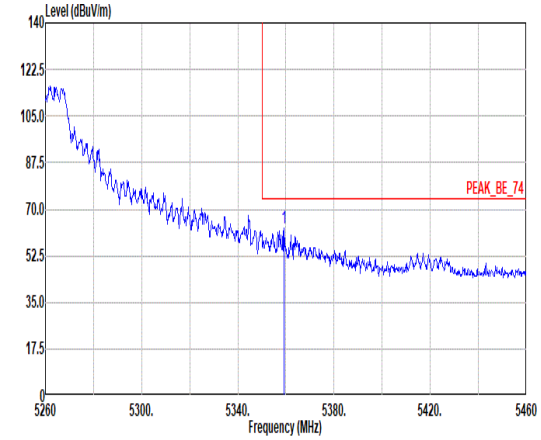
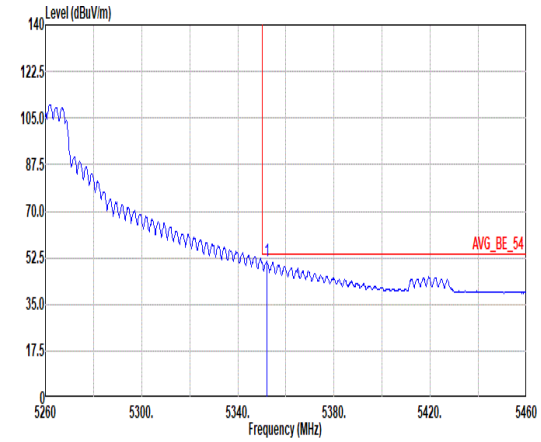
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5099.06	45.61	54.00	-8.39	34.97	32.70	10.45	33.13	0.62	381	287	AVERAGE

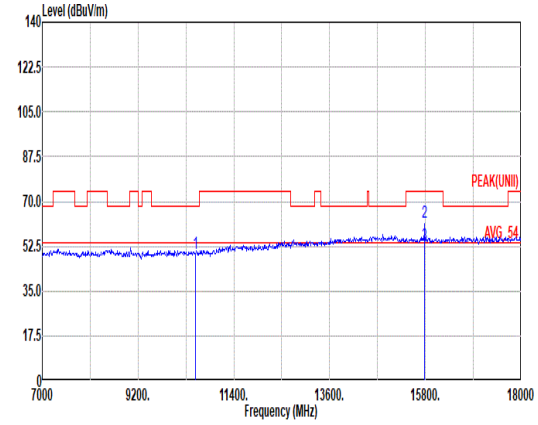
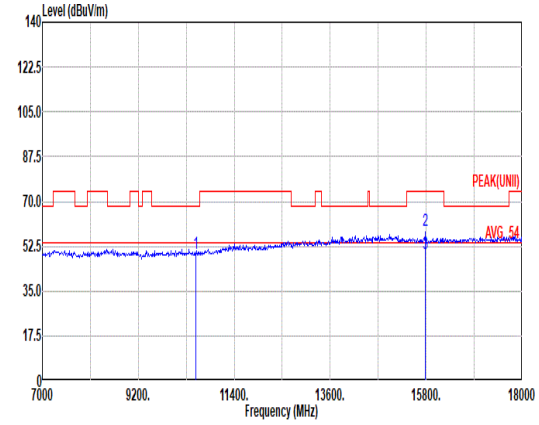


Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	111.13	------	------	100.61	32.58	10.66	33.38	0.66	381	287	AVERAGE

Mode	4	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH52_5260MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5359.20 62.97 74.00 -11.03 52.28 32.50 11.03 33.53 0.69 381 287 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.00 51.36 54.00 -2.64 40.68 32.50 11.01 33.52 0.69 381 287 AVERAGE	Blank

Mode	4
	Harmonic
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH52_5260MHz
ANT	3+6 (CDD)

Pol.	Horizontal	Vertical
Peak Avg		

Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

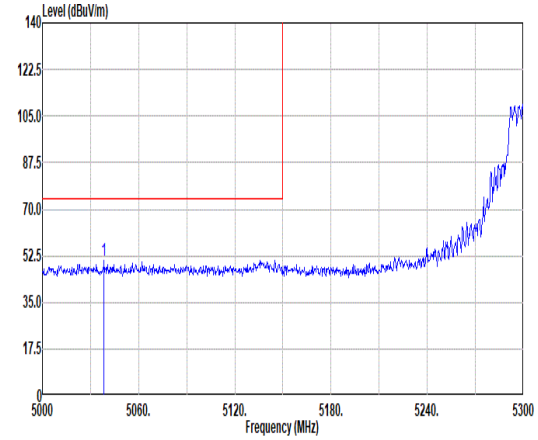
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10520.00	49.78	68.20	-18.42	34.48	37.18	14.86	38.88	2.14	--	--	Peak
2	15780.00	61.85	74.00	-12.15	44.93	40.74	18.19	44.83	2.82	216	306	Peak
3	15780.00	52.66	54.00	-1.34	35.74	40.74	18.19	44.83	2.82	216	306	Average

Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10520.00	49.41	68.20	-18.79	34.11	37.18	14.86	38.88	2.14	--	--	Peak
2	15780.00	58.75	74.00	-15.25	41.83	40.74	18.19	44.83	2.82	100	273	Peak
3	15780.00	49.60	54.00	-4.40	32.68	40.74	18.19	44.83	2.82	100	273	Average

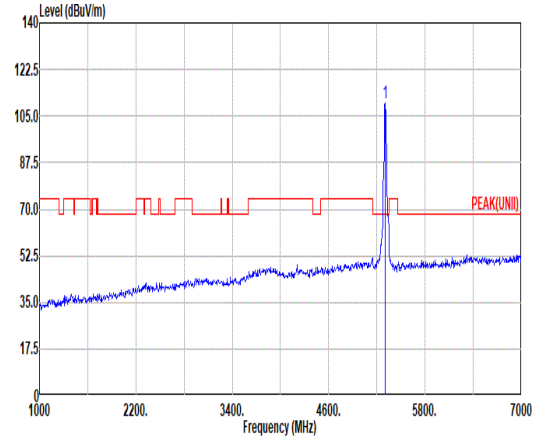
Mode	5	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

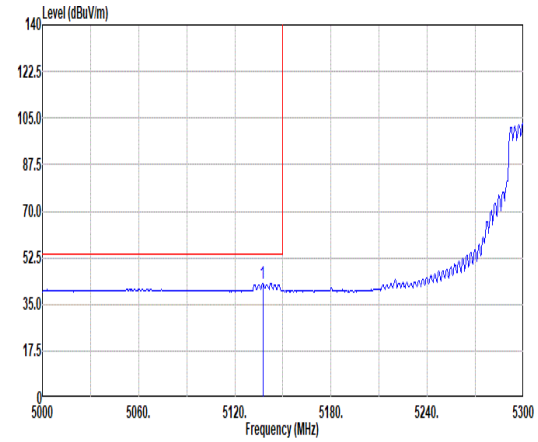
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5038.40	50.68	74.00	-23.32	39.96	32.70	10.45	33.04	0.61	300	153	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

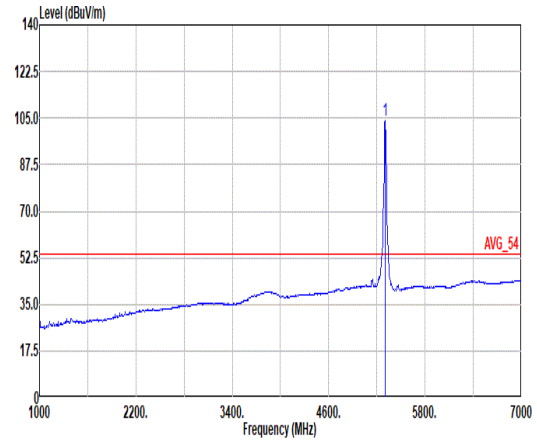
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	110.12	------	------	99.56	32.50	10.84	33.45	0.67	300	153	PEAK

Avg



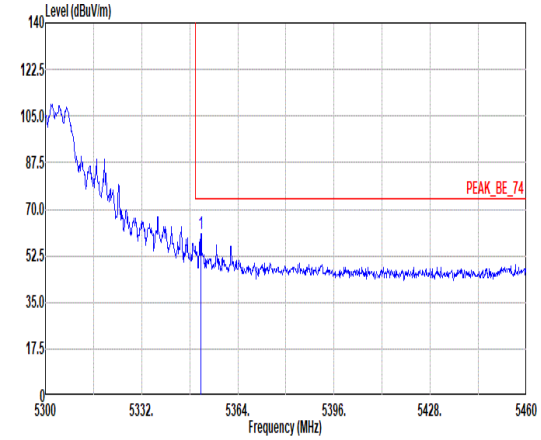
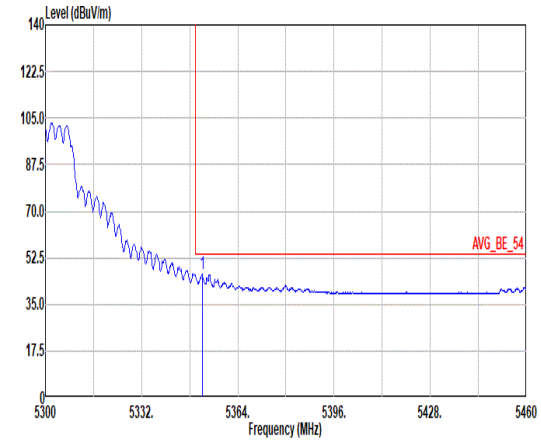
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5137.40	42.62	54.00	-11.38	32.11	32.63	10.44	33.19	0.63	300	153	AVERAGE



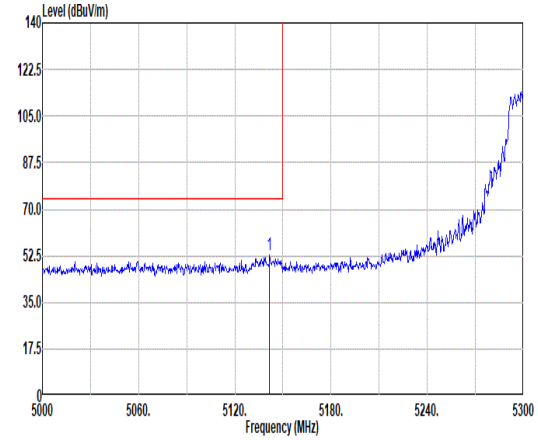
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	103.94	------	------	93.39	32.50	10.82	33.44	0.67	300	153	AVERAGE

Mode	5	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5351.68 60.67 74.00 -13.33 49.98 32.50 11.01 33.51 0.69 300 153 PEAK	**Blank**
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.16 46.24 54.00 -7.76 35.56 32.50 11.01 33.52 0.69 300 153 AVERAGE	**Blank**

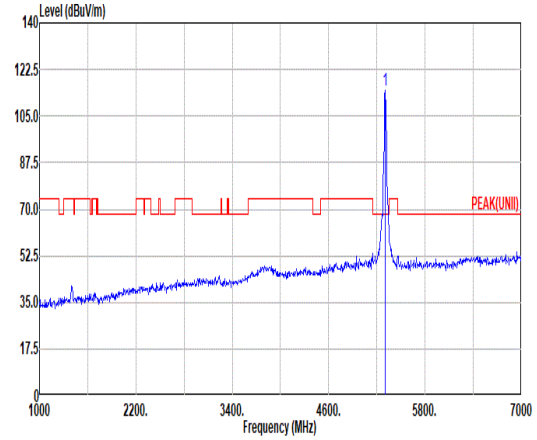
Mode	5	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

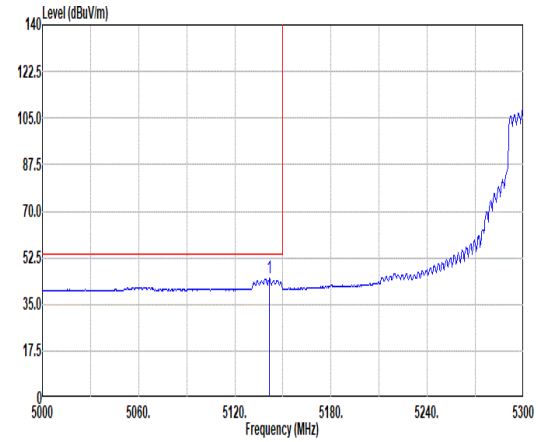
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5141.60	53.01	74.00	-20.99	42.52	32.62	10.44	33.20	0.63	383	287	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

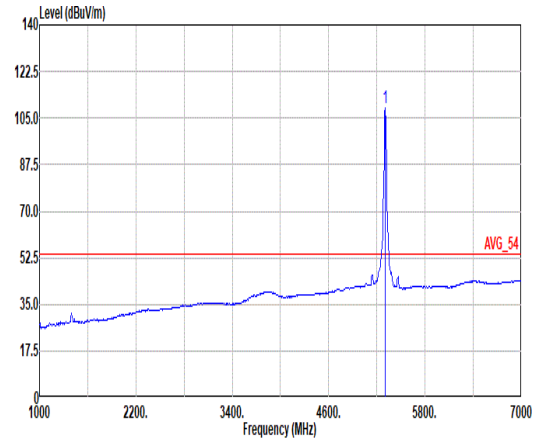
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	114.71	------	------	104.15	32.50	10.84	33.45	0.67	383	287	PEAK

Avg



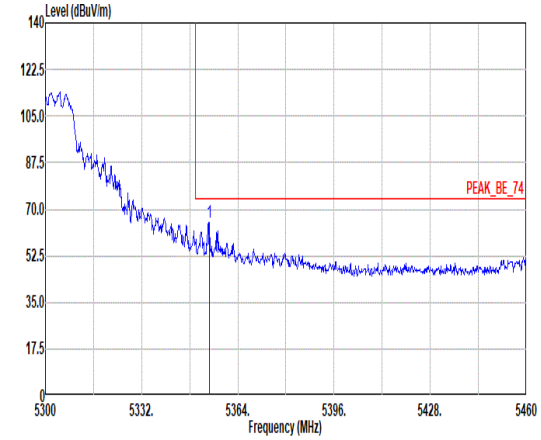
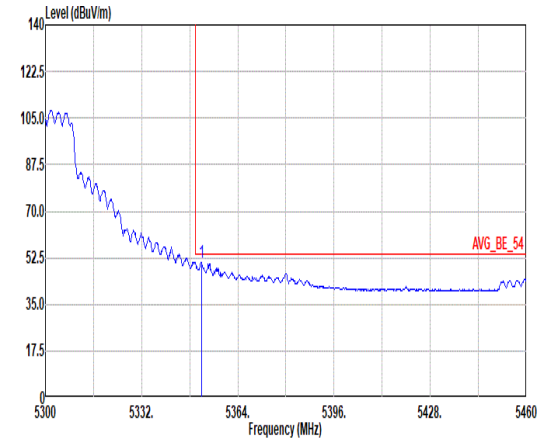
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5141.60	44.70	54.00	-9.30	34.21	32.62	10.44	33.20	0.63	383	287	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

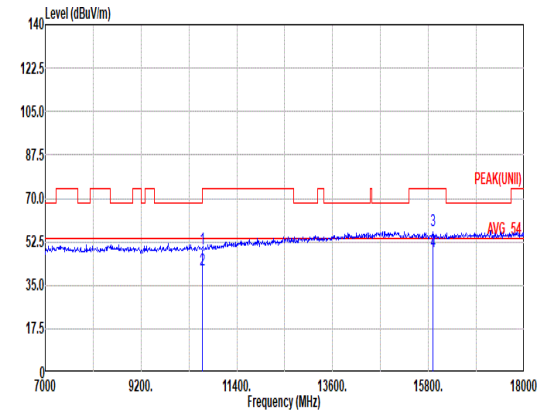
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	108.75	------	------	98.20	32.50	10.82	33.44	0.67	383	287	AVERAGE

Mode	5	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5354.56 64.80 74.00 -9.20 54.11 32.50 11.02 33.52 0.69 383 287 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.00 50.77 54.00 -3.23 40.09 32.50 11.01 33.52 0.69 383 287 AVERAGE	Blank

Mode	5	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

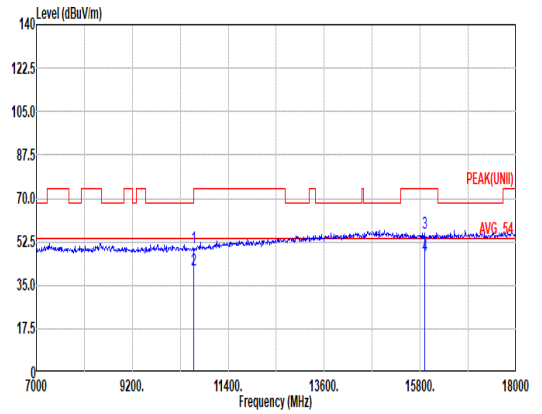
Peak

Avg



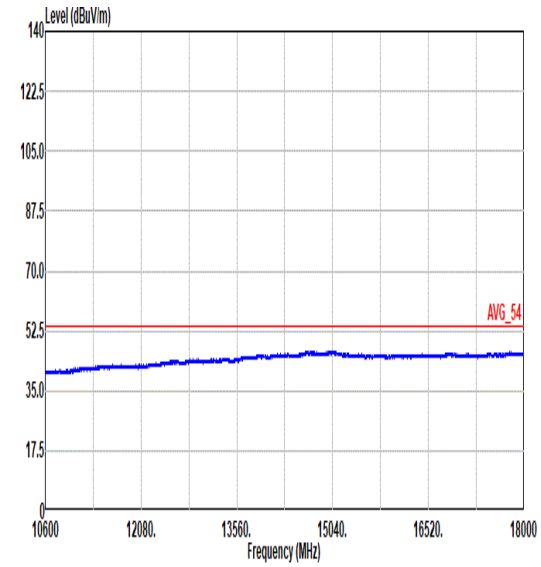
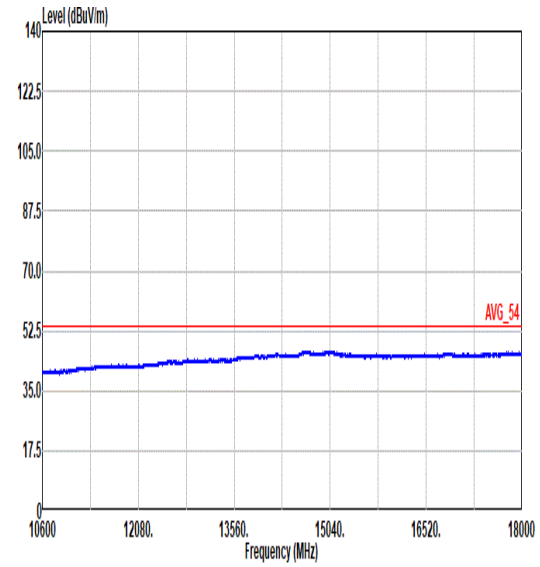
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10600.00	49.63	74.00	-24.37	34.14	37.40	14.91	38.97	2.15	--	--	Peak
2	10600.00	41.31	54.00	-12.69	25.82	37.40	14.91	38.97	2.15	--	--	Average
3	15900.00	57.24	74.00	-16.76	40.58	40.60	18.23	45.01	2.84	221	306	Peak
4	15900.00	48.43	54.00	-5.57	31.77	40.60	18.23	45.01	2.84	221	306	Average



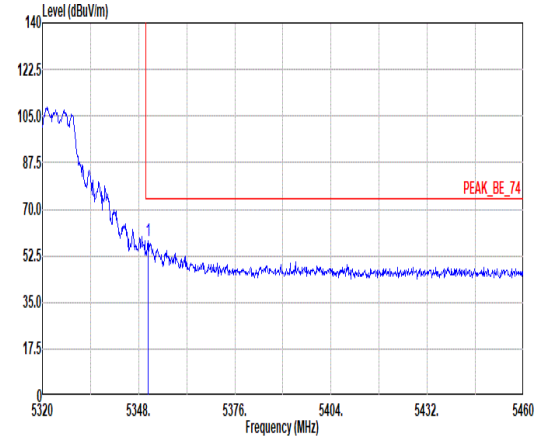
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10600.00	50.24	74.00	-23.76	34.75	37.40	14.91	38.97	2.15	--	--	Peak
2	10600.00	41.20	54.00	-12.80	25.71	37.40	14.91	38.97	2.15	--	--	Average
3	15900.00	56.12	74.00	-17.88	39.46	40.60	18.23	45.01	2.84	114	263	Peak
4	15900.00	46.83	54.00	-7.17	30.17	40.60	18.23	45.01	2.84	114	263	Average

Mode	5	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH60_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

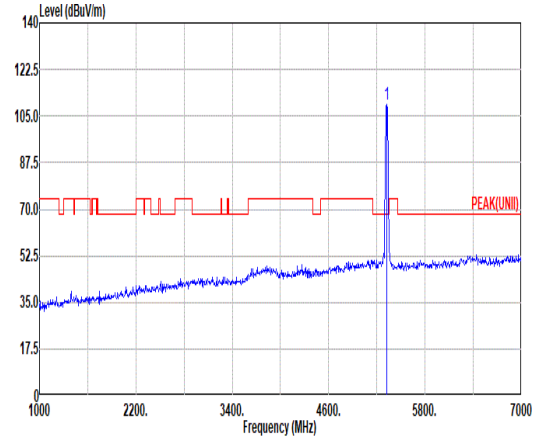
Mode	6	
	Band Edge	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH64_5320MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

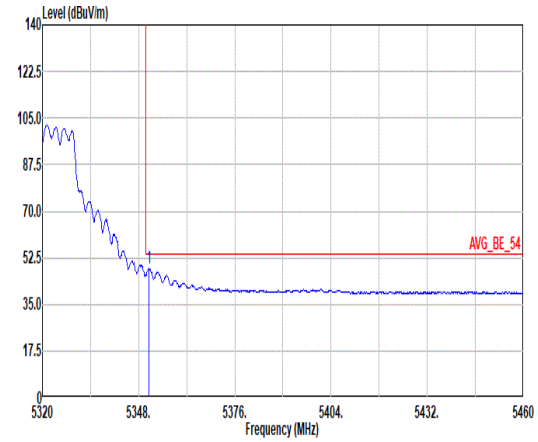
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5350.66	58.16	74.00	-15.84	47.48	32.50	11.00	33.51	0.69	293	148	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

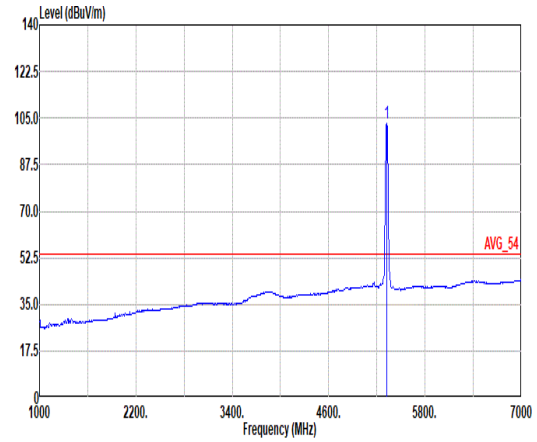
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	109.31	------	------	98.71	32.50	10.89	33.47	0.68	293	148	PEAK

Avg



Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5350.94	48.38	54.00	-5.62	37.70	32.50	11.00	33.51	0.69	293	148	AVERAGE

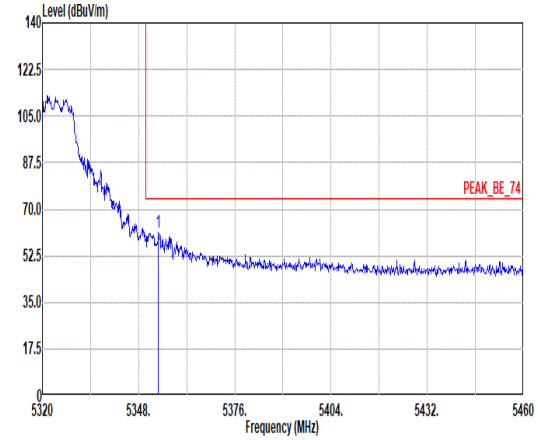


Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	103.07	------	------	92.46	32.50	10.91	33.48	0.68	293	148	AVERAGE

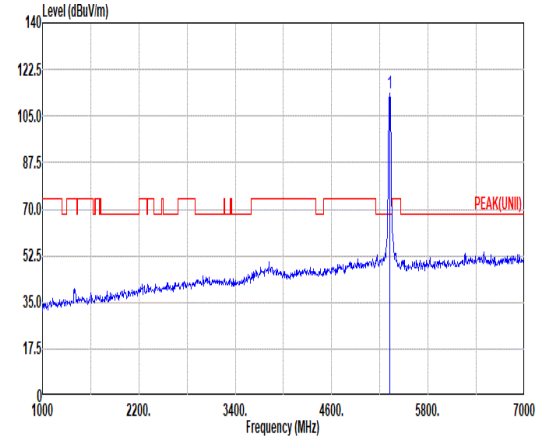
Mode	6	
	Band Edge	
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH64_5320MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

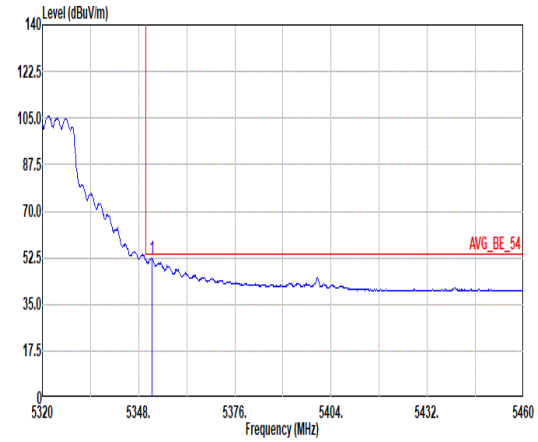
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5353.74	61.16	74.00	-12.84	50.48	32.50	11.01	33.52	0.69	364	290	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

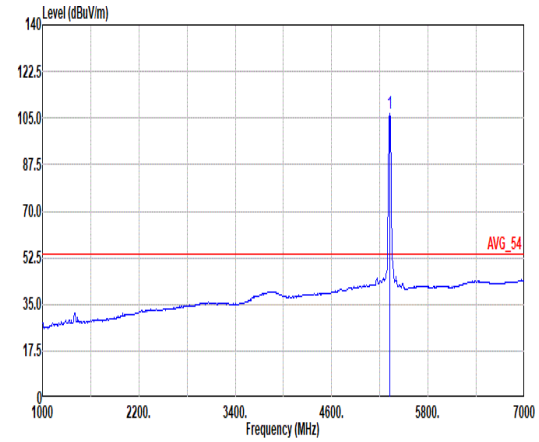
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	113.39	------	------	102.78	32.50	10.91	33.48	0.68	364	290	PEAK

Avg



Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

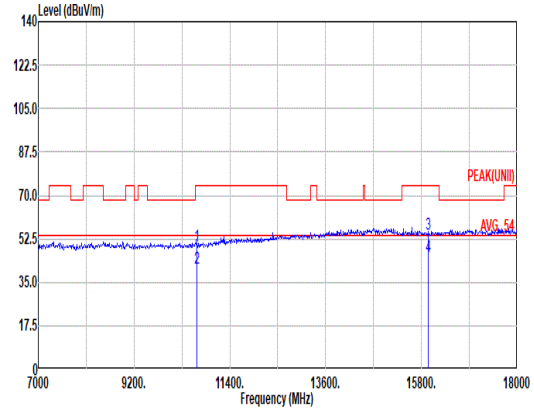
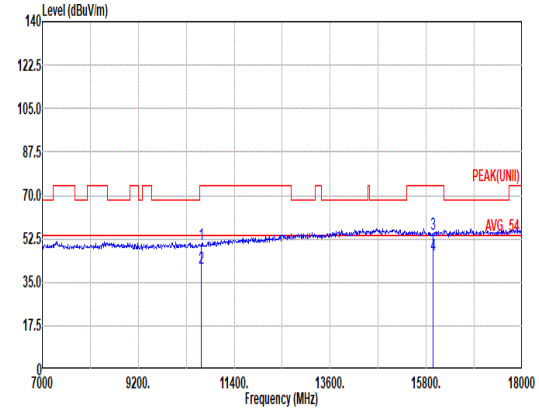
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5351.92	52.20	54.00	-1.80	41.51	32.50	11.01	33.51	0.69	364	290	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5320.00	106.82	------	------	96.22	32.50	10.89	33.47	0.68	364	290	AVERAGE

Mode	6
	Harmonic
	U-NII-2A_5.15-5.25_802.11ac VHT20_CH64_5320MHz
ANT	3+6 (CDD)

Pol.	Horizontal	Vertical
Peak Avg		

Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

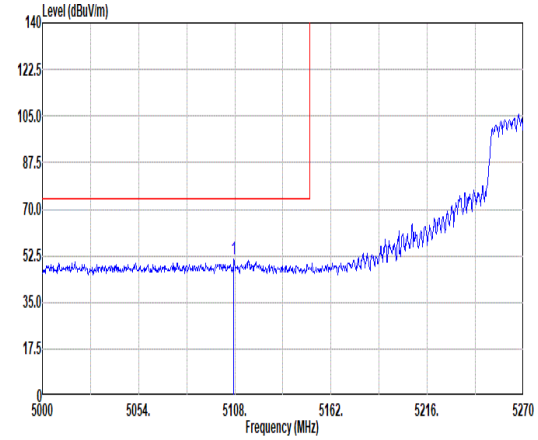
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10640.00	49.54	74.00	-24.46	34.07	37.40	14.93	39.01	2.15	--	--	Peak
2	10640.00	40.79	54.00	-13.21	25.32	37.40	14.93	39.01	2.15	--	--	Average
3	15960.00	54.47	74.00	-19.53	37.86	40.60	18.25	45.09	2.85	200	114	Peak
4	15960.00	45.40	54.00	-8.60	28.79	40.60	18.25	45.09	2.85	200	114	Average

Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10640.00	50.17	74.00	-23.83	34.70	37.40	14.93	39.01	2.15	--	--	Peak
2	10640.00	40.88	54.00	-13.12	25.41	37.40	14.93	39.01	2.15	--	--	Average
3	15960.00	54.53	74.00	-19.47	37.92	40.60	18.25	45.09	2.85	100	275	Peak
4	15960.00	45.85	54.00	-8.15	29.24	40.60	18.25	45.09	2.85	100	275	Average

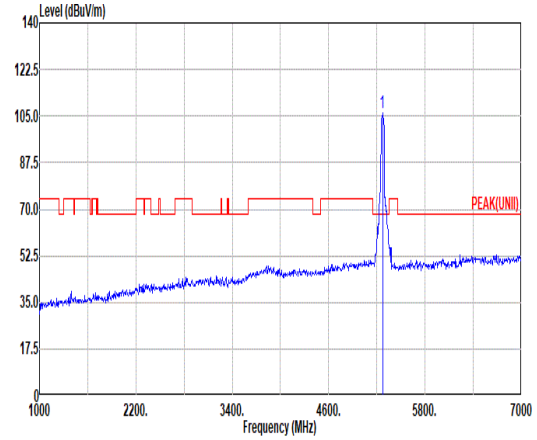
Mode	7	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH54_5270MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

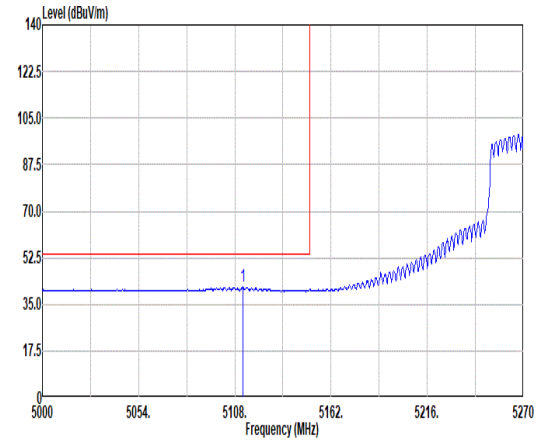
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5107.46	51.02	74.00	-22.98	40.41	32.69	10.44	33.14	0.62	341	0	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

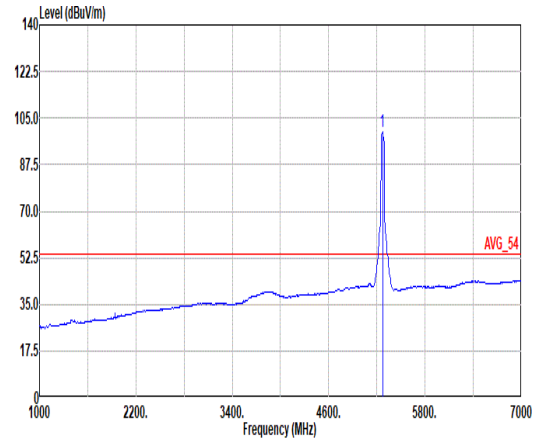
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5270.00	106.15	------	------	95.62	32.54	10.73	33.40	0.66	341	0	PEAK

Avg



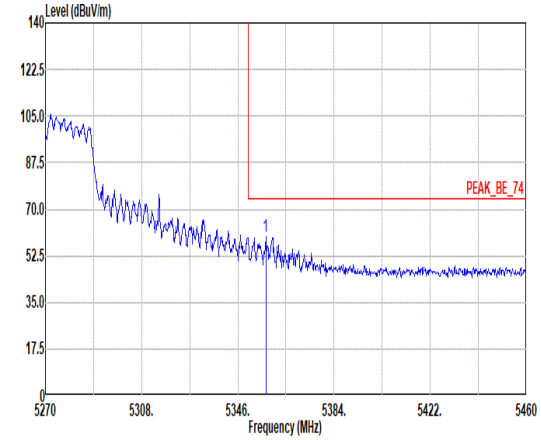
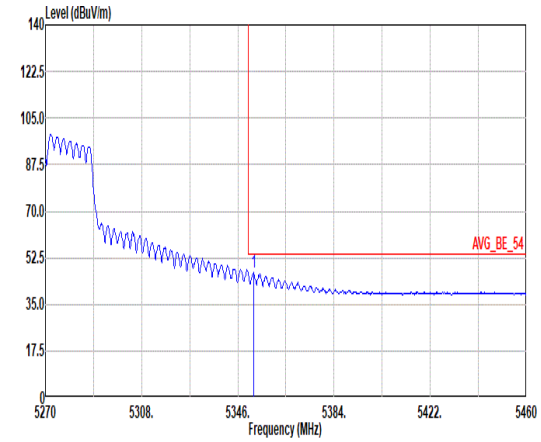
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5112.59	41.56	54.00	-12.44	30.98	32.67	10.44	33.15	0.62	341	0	AVERAGE



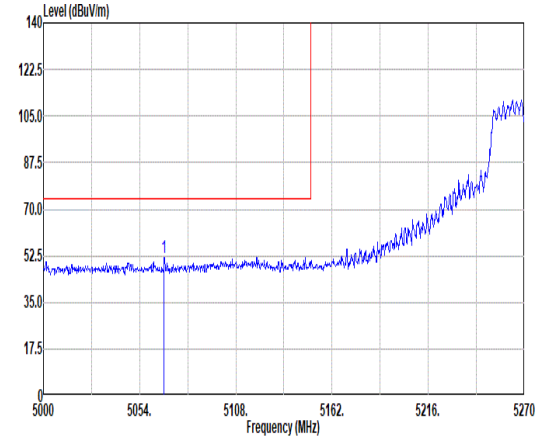
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5270.00	99.72	------	------	89.19	32.56	10.70	33.39	0.66	341	0	AVERAGE

Mode	7	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH54_5270MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5357.02 59.85 74.00 -14.15 49.15 32.50 11.03 33.52 0.69 341 0 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.27 46.86 54.00 -7.14 36.18 32.50 11.01 33.52 0.69 341 0 AVERAGE	Blank

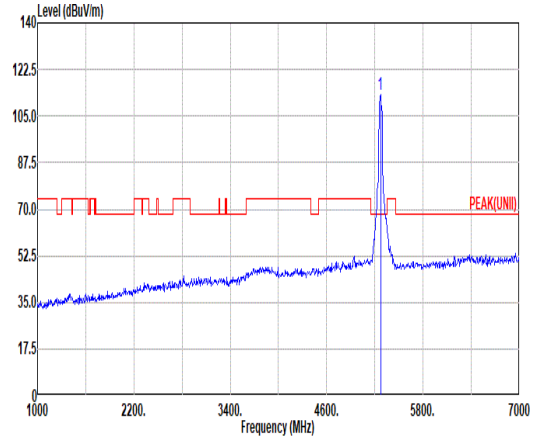
Mode	7	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH54_5270MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

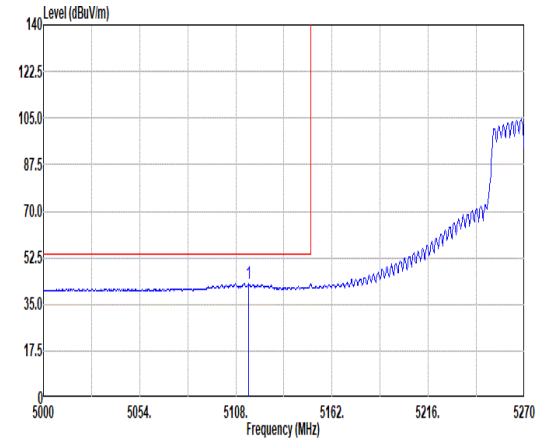
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5067.77	51.95	74.00	-22.05	41.27	32.70	10.45	33.08	0.61	400	287	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

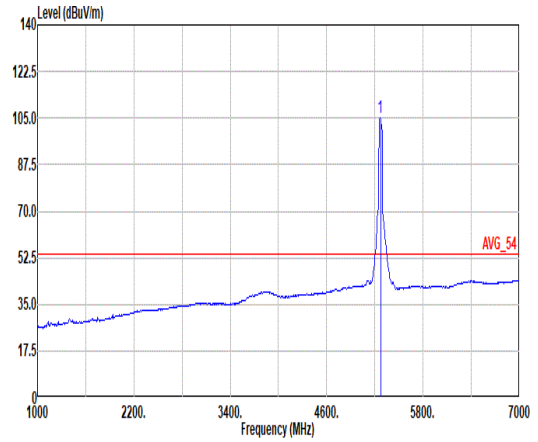
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5270.00	113.06	------	------	102.53	32.56	10.70	33.39	0.66	400	287	PEAK

Avg



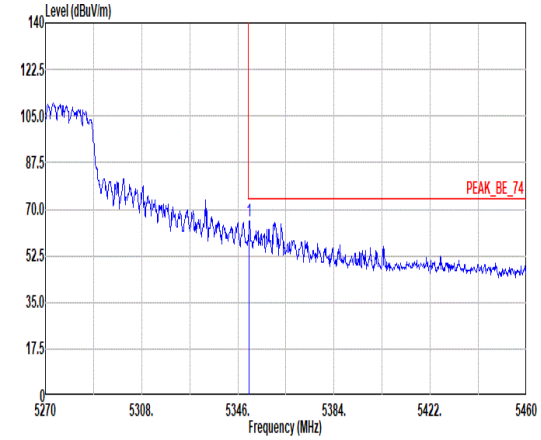
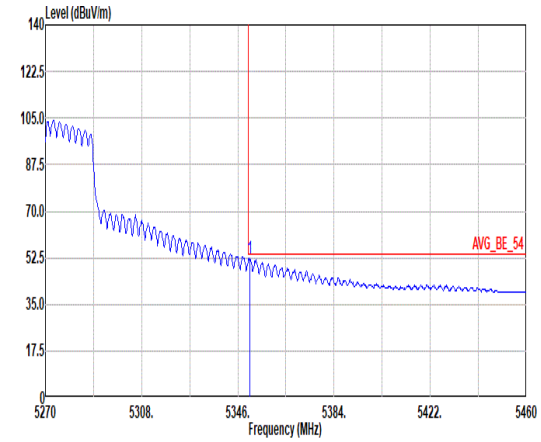
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5115.02	42.68	54.00	-11.32	32.10	32.67	10.44	33.15	0.62	400	287	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

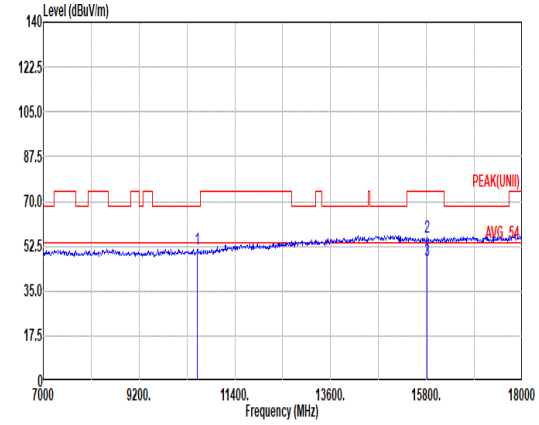
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5270.00	105.34	------	------	94.81	32.57	10.68	33.38	0.66	400	287	AVERAGE

Mode	7	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH54_5270MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.56 65.57 74.00 -8.43 54.89 32.50 11.00 33.51 0.69 400 287 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.75 52.54 54.00 -1.46 41.86 32.50 11.00 33.51 0.69 400 287 AVERAGE	Blank

Mode	7	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH54_5270MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

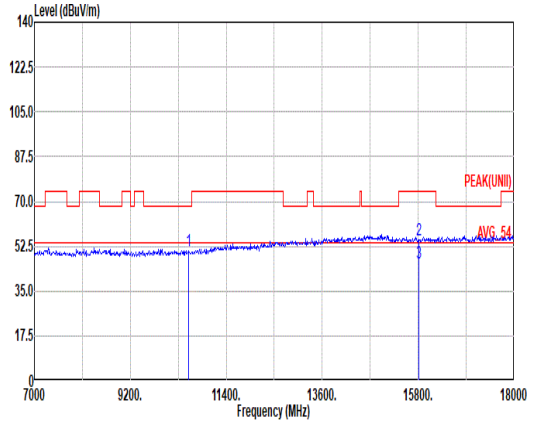
Peak

Avg



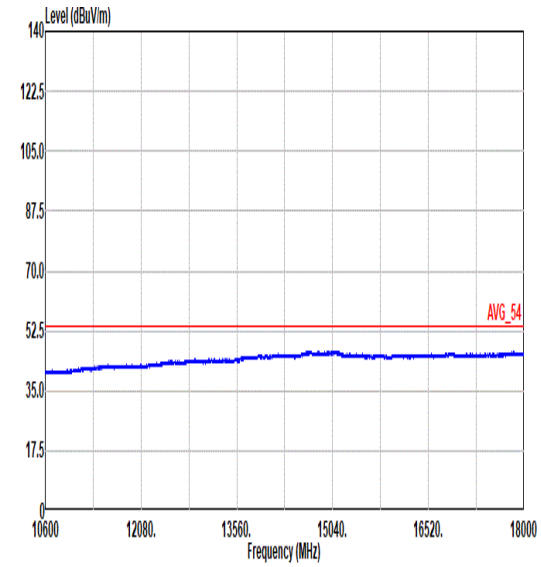
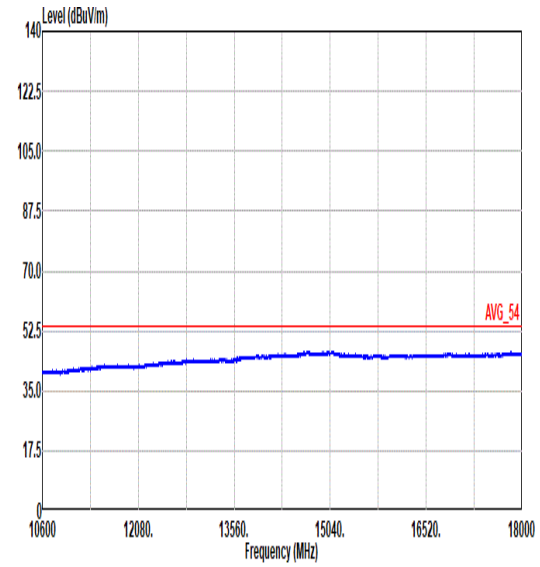
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10540.00	51.17	68.20	-17.03	35.80	37.26	14.87	38.90	2.14	--	--	Peak
2	15810.00	55.87	74.00	-18.13	39.05	40.68	18.20	44.88	2.82	--	--	Peak
3	15810.00	46.77	54.00	-7.23	29.95	40.68	18.20	44.88	2.82	--	--	Average



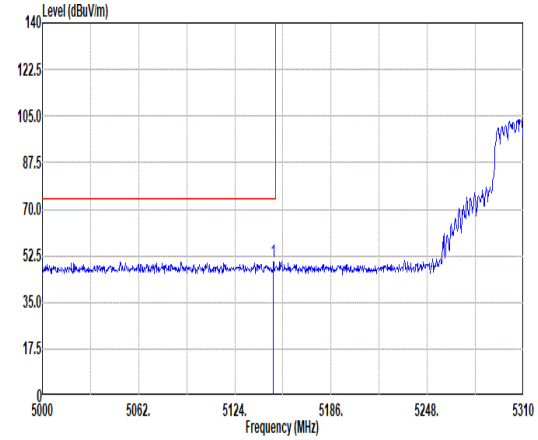
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10540.00	50.54	68.20	-17.66	35.17	37.26	14.87	38.90	2.14	--	--	Peak
2	15810.00	55.16	74.00	-18.84	38.34	40.68	18.20	44.88	2.82	--	--	Peak
3	15810.00	46.06	54.00	-7.94	29.24	40.68	18.20	44.88	2.82	--	--	Average

Mode	7	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH54_5270MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

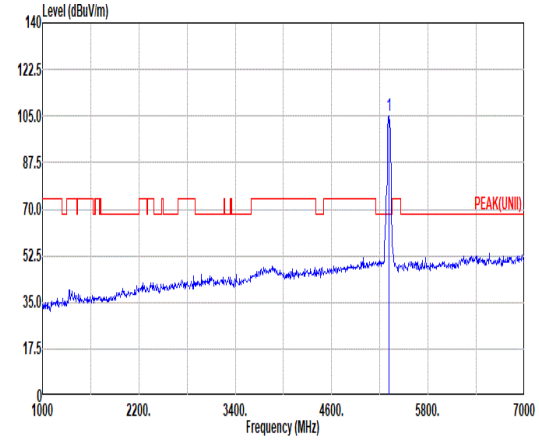
Mode	8	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH62_5310MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

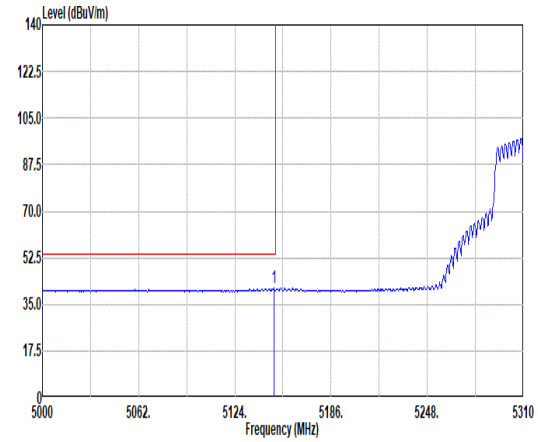
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5148.80	50.17	74.00	-23.83	39.71	32.60	10.44	33.21	0.63	300	153	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

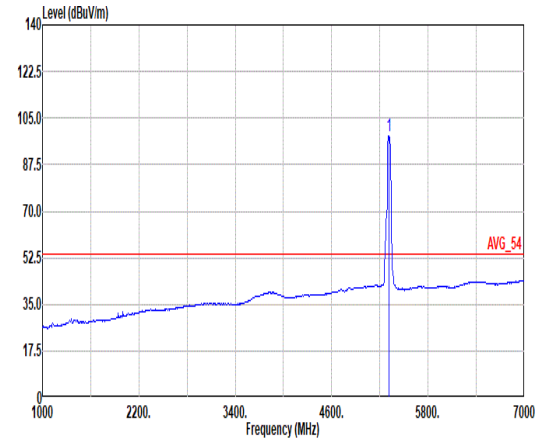
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5310.00	105.35	------	------	94.78	32.50	10.86	33.46	0.67	300	153	PEAK

Avg



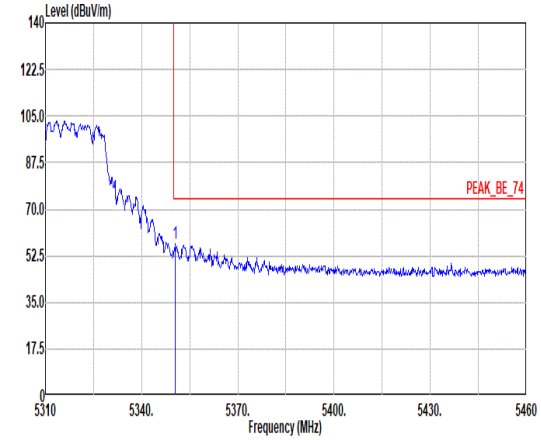
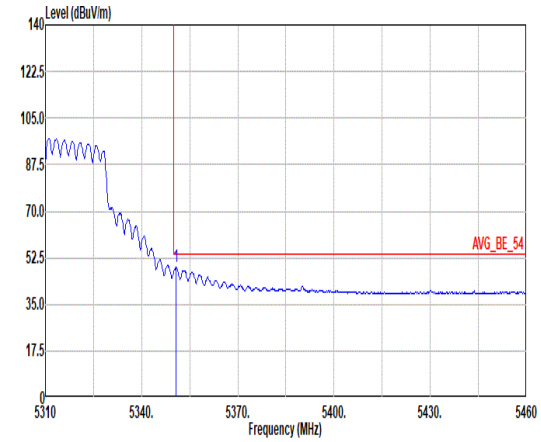
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5149.11	41.19	54.00	-12.81	30.73	32.60	10.44	33.21	0.63	300	153	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

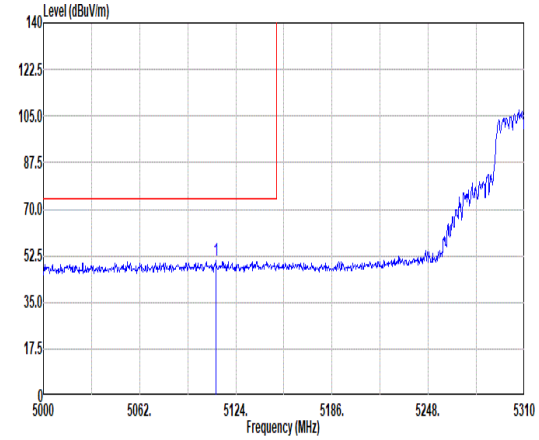
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5310.00	98.45	------	------	87.88	32.50	10.86	33.46	0.67	300	153	AVERAGE

Mode	8	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH62_5310MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.50 56.85 74.00 -17.15 46.17 32.50 11.00 33.51 0.69 300 153 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.65 49.01 54.00 -4.99 38.33 32.50 11.00 33.51 0.69 300 153 AVERAGE	Blank

Mode	8
	Band Edge - L
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH62_5310MHz
ANT	3+6 (CDD)

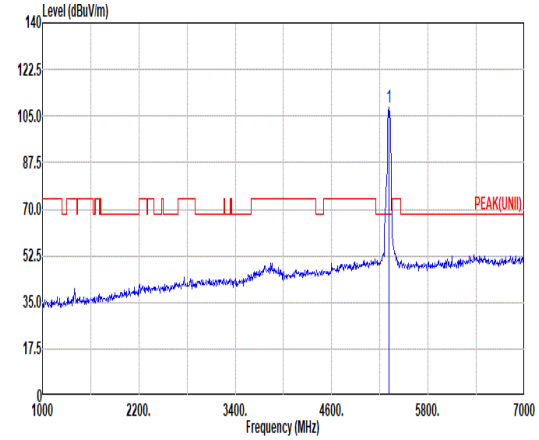
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

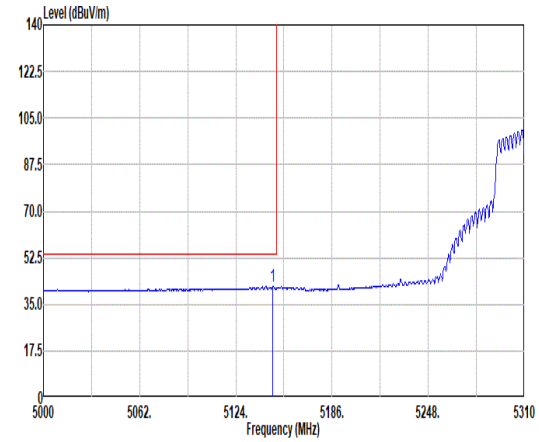
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5110.98	50.57	74.00	-23.43	39.98	32.68	10.44	33.15	0.62	400	282	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

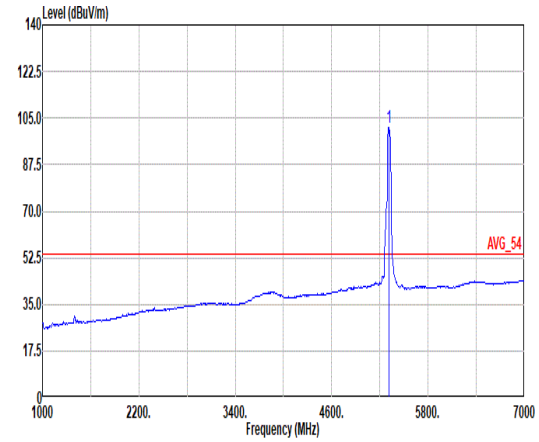
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5310.00	108.24	------	------	97.67	32.50	10.86	33.46	0.67	400	282	PEAK

Avg



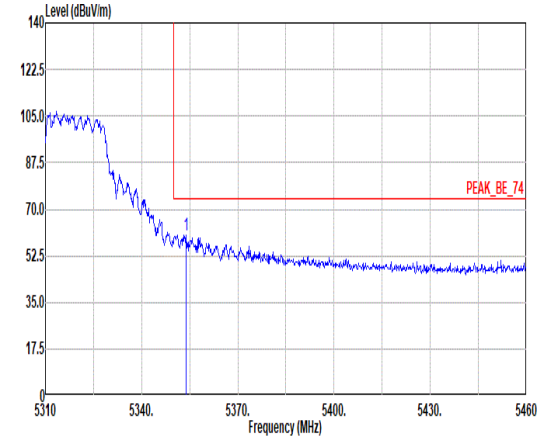
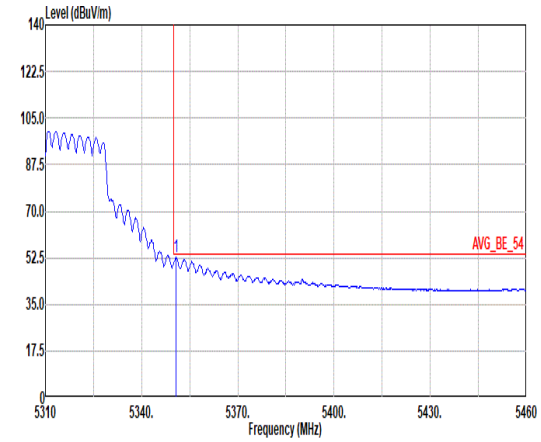
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5147.87	41.63	54.00	-12.37	31.16	32.60	10.44	33.20	0.63	400	282	AVERAGE

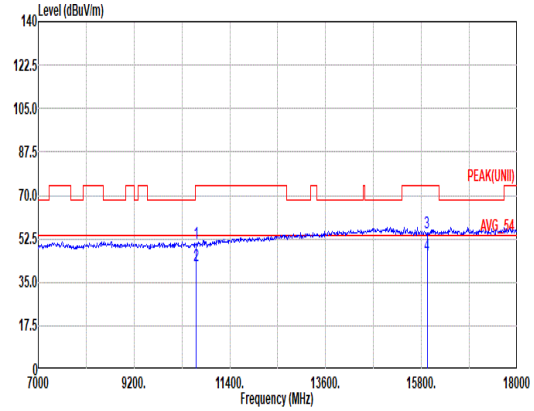
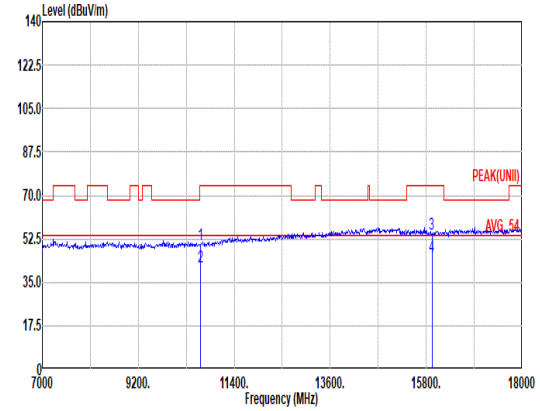


Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5310.00	101.36	------	------	90.79	32.50	10.86	33.46	0.67	400	282	AVERAGE

Mode	8	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH62_5310MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5353.95 60.47 74.00 -13.53 49.78 32.50 11.02 33.52 0.69 400 282 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.65 52.59 54.00 -1.41 41.91 32.50 11.00 33.51 0.69 400 282 AVERAGE	Blank

Mode	8
	Harmonic
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH62_5310MHz
ANT	3+6 (CDD)

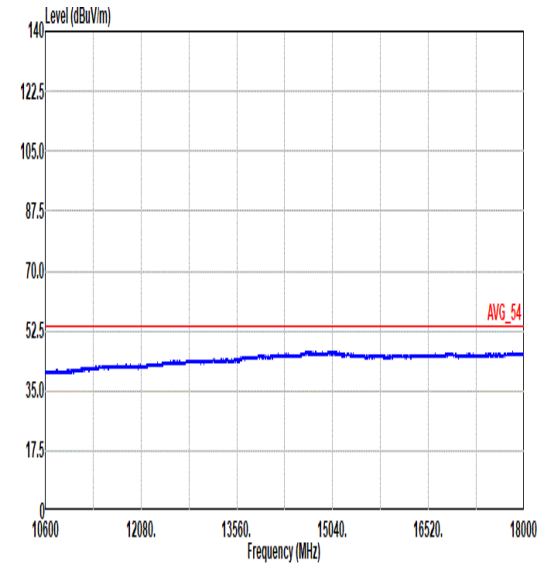
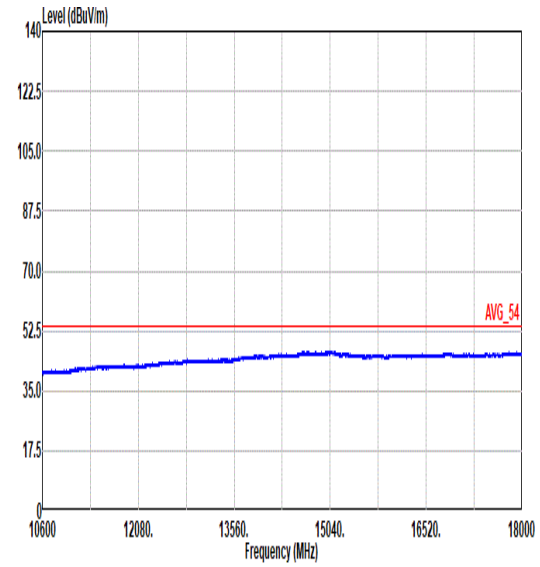
Pol.	Horizontal	Vertical
Peak Avg		

Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10620.00	50.71	74.00	-23.29	35.23	37.40	14.92	38.99	2.15	--	--	Peak
2	10620.00	41.59	54.00	-12.41	26.11	37.40	14.92	38.99	2.15	--	--	Average
3	15930.00	54.85	74.00	-19.15	38.21	40.60	18.24	45.05	2.85	--	--	Peak
4	15930.00	45.73	54.00	-8.27	29.09	40.60	18.24	45.05	2.85	--	--	Average

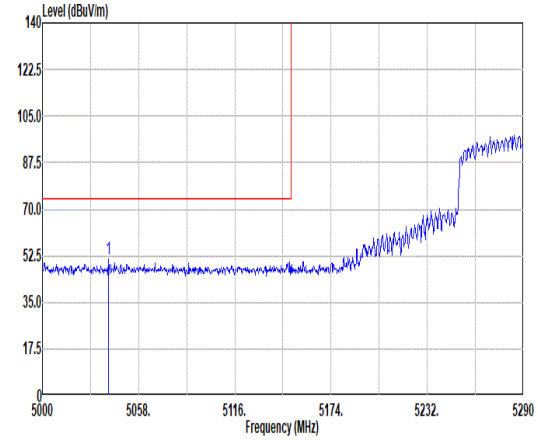
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10620.00	50.13	74.00	-23.87	34.65	37.40	14.92	38.99	2.15	--	--	Peak
2	10620.00	41.01	54.00	-12.99	25.53	37.40	14.92	38.99	2.15	--	--	Average
3	15930.00	54.46	74.00	-19.54	37.82	40.60	18.24	45.05	2.85	--	--	Peak
4	15930.00	45.34	54.00	-8.66	28.70	40.60	18.24	45.05	2.85	--	--	Average

Mode	8	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT40_CH62_5310MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

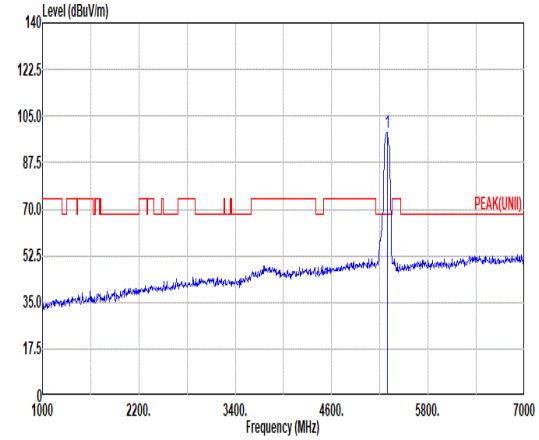
Mode	9	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT80_CH58_5290MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

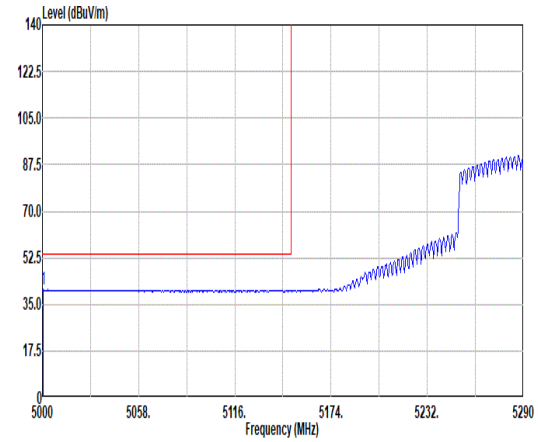
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5040.02	51.11	74.00	-22.89	40.39	32.70	10.45	33.04	0.61	392	360	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

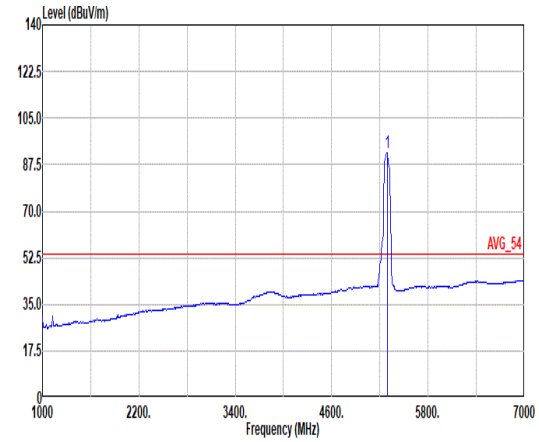
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5290.00	98.59	------	------	88.05	32.52	10.77	33.42	0.67	392	360	PEAK

Avg



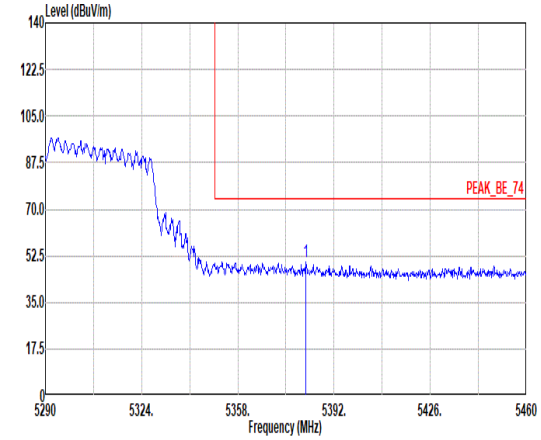
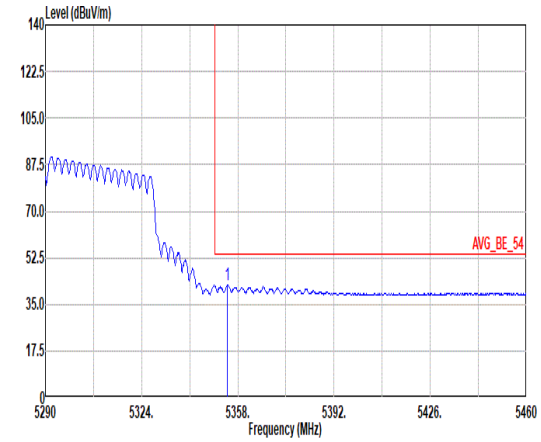
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5000.29	40.51	54.00	-13.49	29.73	32.70	10.46	32.98	0.60	392	360	AVERAGE



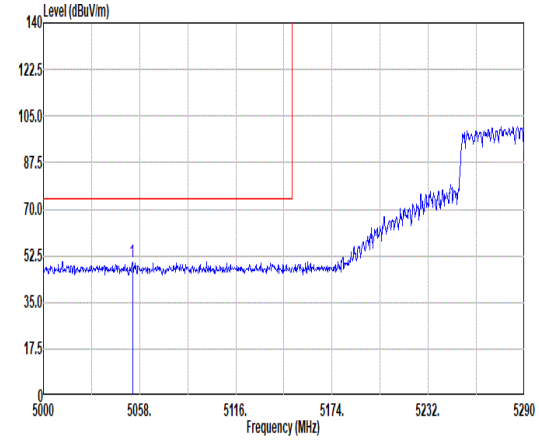
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5290.00	91.85	------	------	81.31	32.52	10.77	33.42	0.67	392	360	AVERAGE

Mode	9	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT80_CH58_5290MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5382.14 50.21 74.00 -23.79 39.46 32.50 11.12 33.56 0.69 392 360 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5354.26 42.15 54.00 -11.85 31.46 32.50 11.02 33.52 0.69 392 360 AVERAGE	Blank

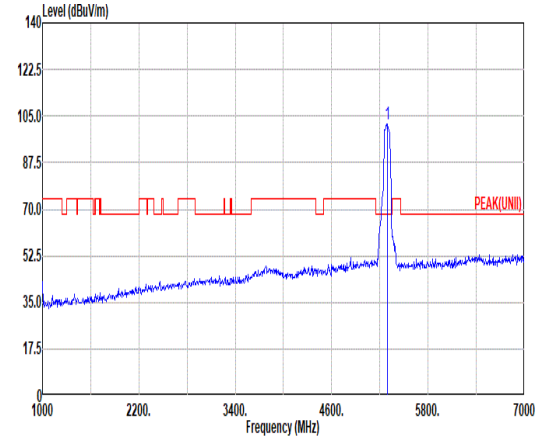
Mode	9	
	Band Edge - L	
	U-NII-2A_5.15-5.25_802.11ac VHT80_CH58_5290MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

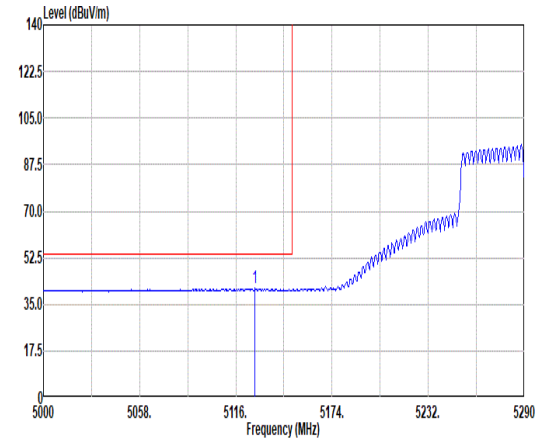
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5053.65	50.29	74.00	-23.71	39.59	32.70	10.45	33.06	0.61	400	288	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

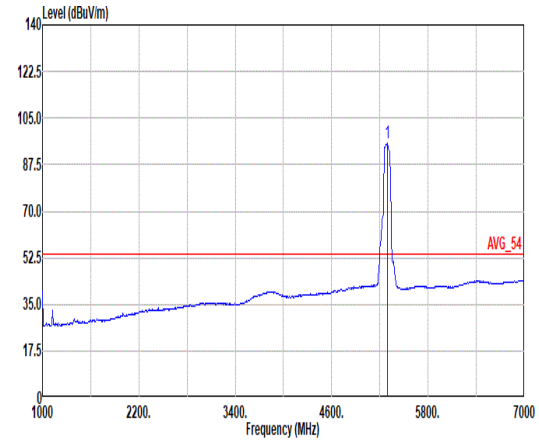
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5290.00	102.19	------	------	91.65	32.53	10.75	33.41	0.67	400	288	PEAK

Avg



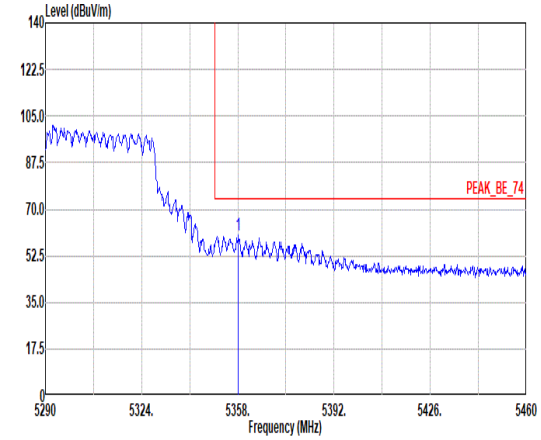
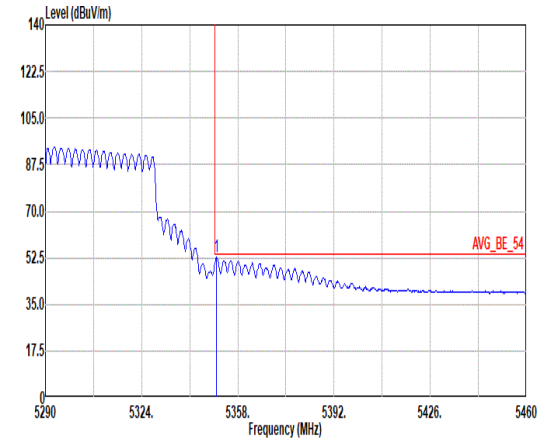
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5127.60	41.18	54.00	-12.82	30.64	32.64	10.44	33.17	0.63	400	288	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

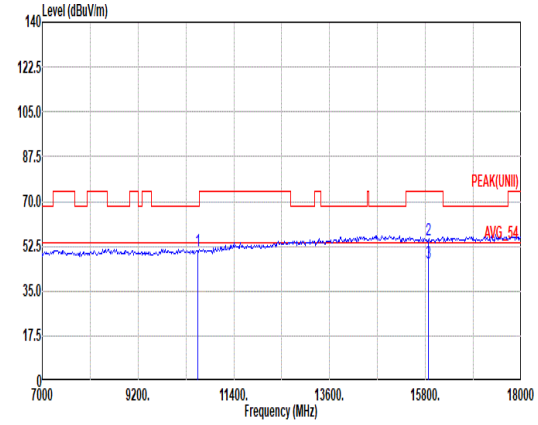
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5290.00	95.38	------	------	84.84	32.52	10.77	33.42	0.67	400	288	AVERAGE

Mode	9	
	Band Edge - R	
	U-NII-2A_5.15-5.25_802.11ac VHT80_CH58_5290MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5358.17 60.36 74.00 -13.64 49.66 32.50 11.03 33.52 0.69 400 288 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.52 52.65 54.00 -1.35 41.97 32.50 11.00 33.51 0.69 400 288 AVERAGE	Blank

Mode	9	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT80_CH58_5290MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

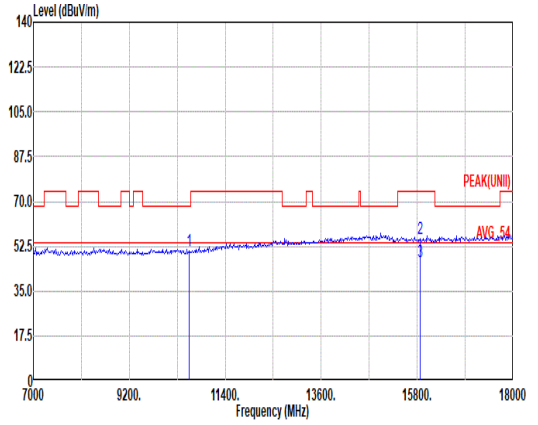
Peak

Avg



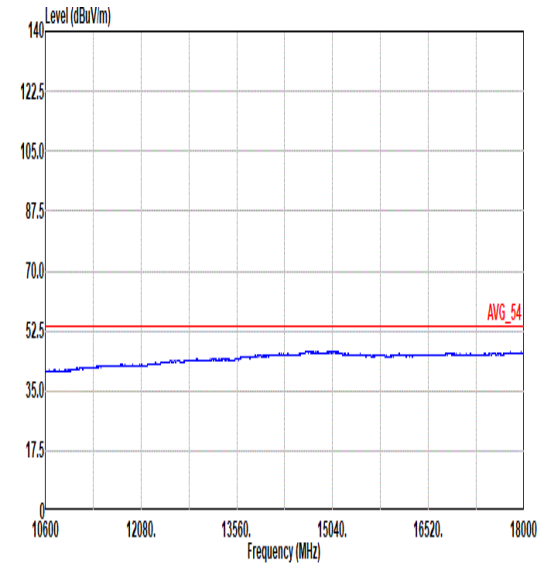
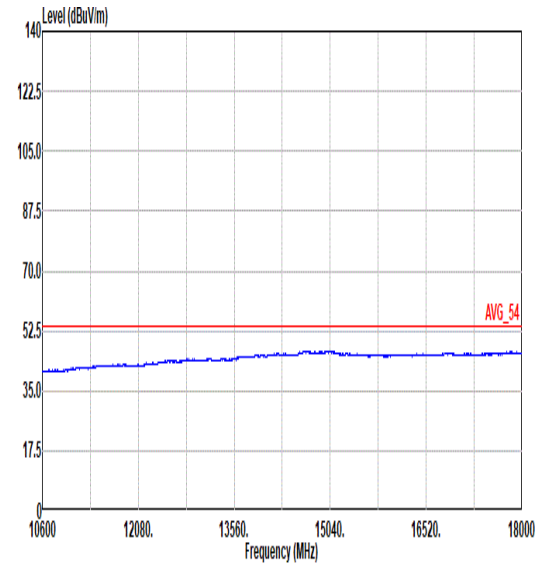
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10580.00	50.71	68.20	-17.49	35.25	37.36	14.90	38.94	2.14	--	--	Peak
2	15870.00	55.05	74.00	-18.95	38.35	40.60	18.22	44.96	2.84	--	--	Peak
3	15870.00	45.95	54.00	-8.05	29.25	40.60	18.22	44.96	2.84	--	--	Average



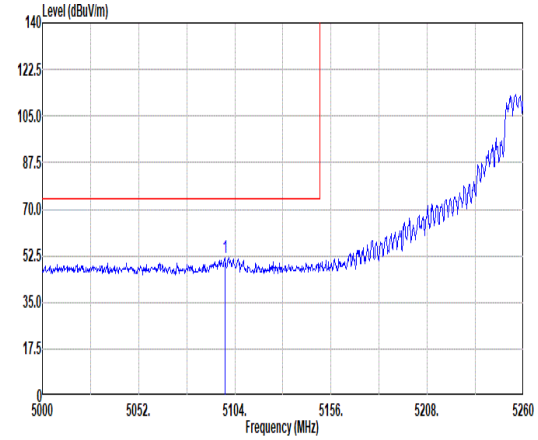
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10575.00	50.74	68.20	-17.46	35.30	37.35	14.89	38.94	2.14	300	16	Peak
2	15870.00	55.48	74.00	-18.52	38.78	40.60	18.22	44.96	2.84	200	48	Peak
3	15870.00	46.28	54.00	-7.72	29.58	40.60	18.22	44.96	2.84	200	48	Average

Mode	9	
	Harmonic	
	U-NII-2A_5.15-5.25_802.11ac VHT80_CH58_5290MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

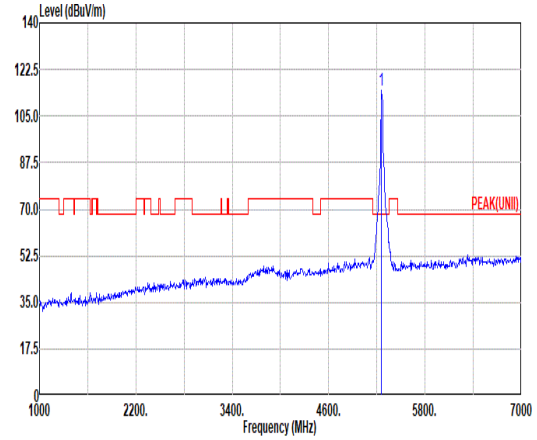
Mode	11	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

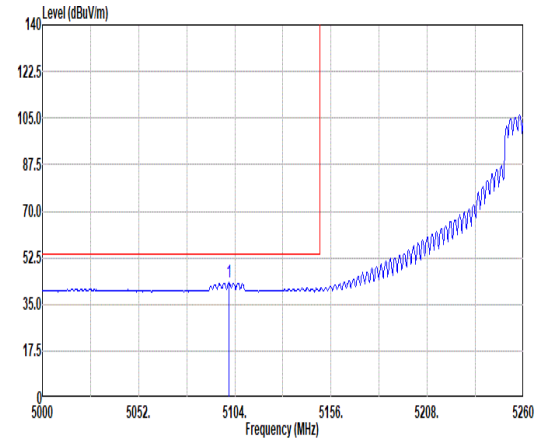
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5098.54	51.89	74.00	-22.11	41.25	32.70	10.45	33.13	0.62	300	148	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

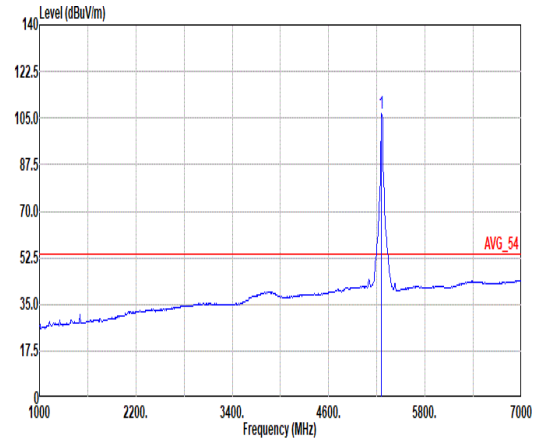
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	114.47	------	------	103.95	32.58	10.66	33.38	0.66	300	148	PEAK

Avg



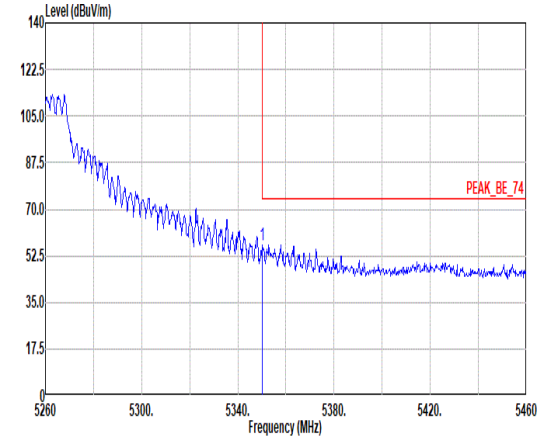
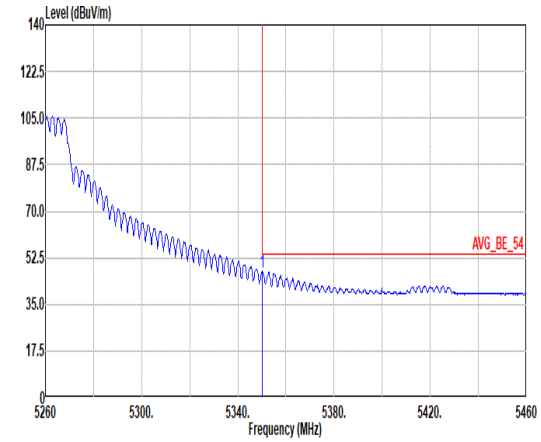
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5100.88	43.18	54.00	-10.82	32.55	32.70	10.44	33.13	0.62	300	148	AVERAGE



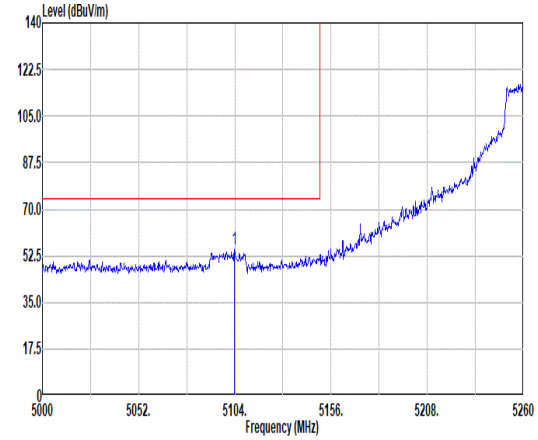
Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	106.85	------	------	96.33	32.58	10.66	33.38	0.66	300	148	AVERAGE

Mode	11	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.20 56.76 74.00 -17.24 46.08 32.50 11.00 33.51 0.69 300 148 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.20 47.22 54.00 -6.78 36.54 32.50 11.00 33.51 0.69 300 148 AVERAGE	Blank

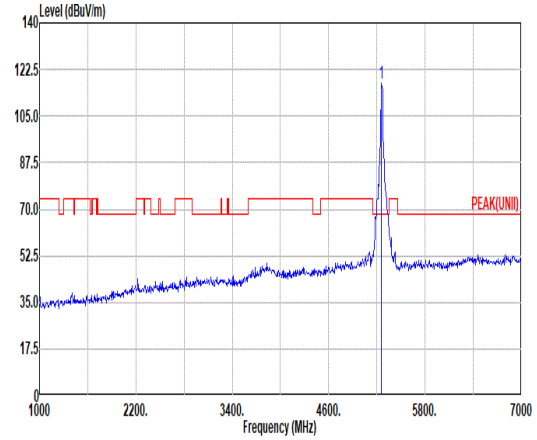
Mode	11	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

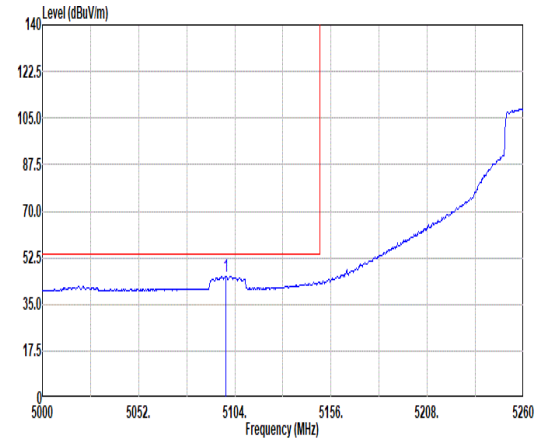
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5103.74	54.84	74.00	-19.16	44.23	32.69	10.44	33.14	0.62	365	69	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

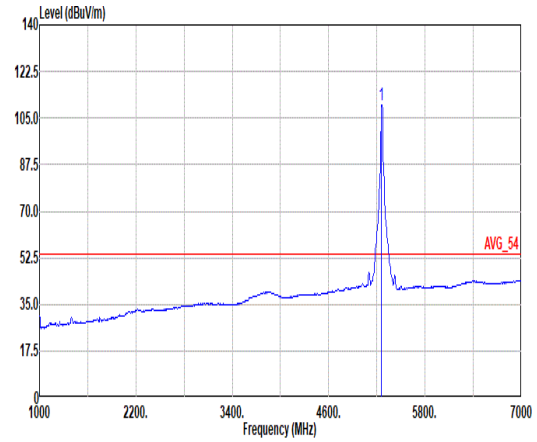
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	117.46	------	------	106.94	32.58	10.66	33.38	0.66	365	69	PEAK

Avg



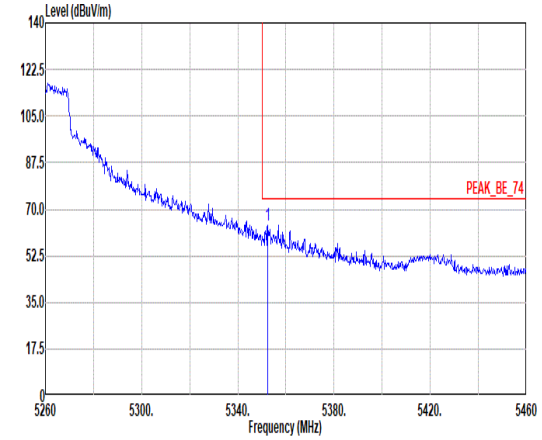
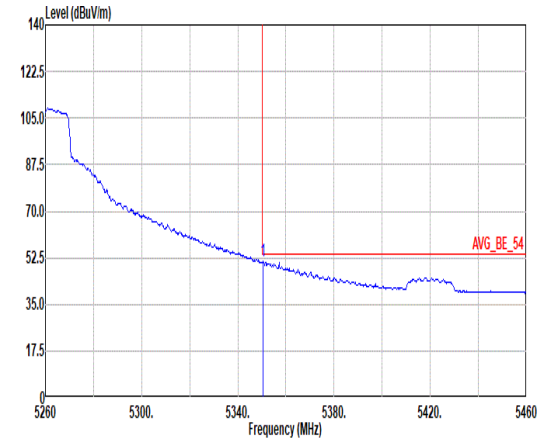
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5099.06	45.62	54.00	-8.38	34.98	32.70	10.45	33.13	0.62	365	69	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

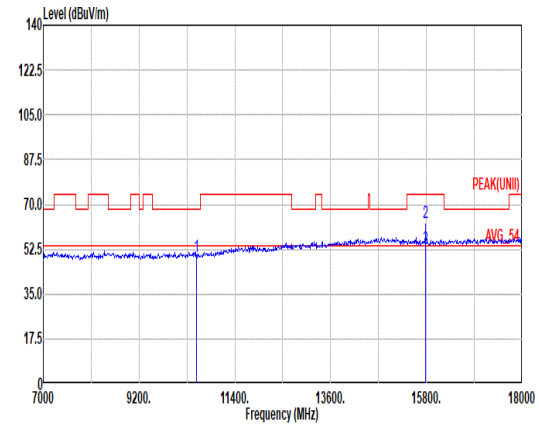
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5260.00	109.96	------	------	99.44	32.58	10.66	33.38	0.66	365	69	AVERAGE

Mode	11	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	3+6 (CDD)	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.40 64.02 74.00 -9.98 53.34 32.50 11.01 33.52 0.69 365 69 PEAK	Blank
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.40 51.32 54.00 -2.68 40.64 32.50 11.00 33.51 0.69 365 69 AVERAGE	Blank

Mode	11	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical

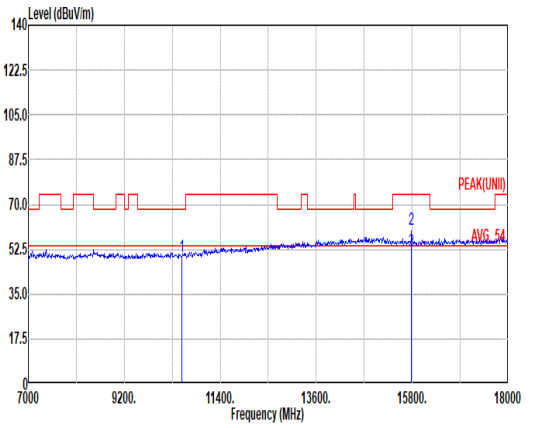
Peak

Avg



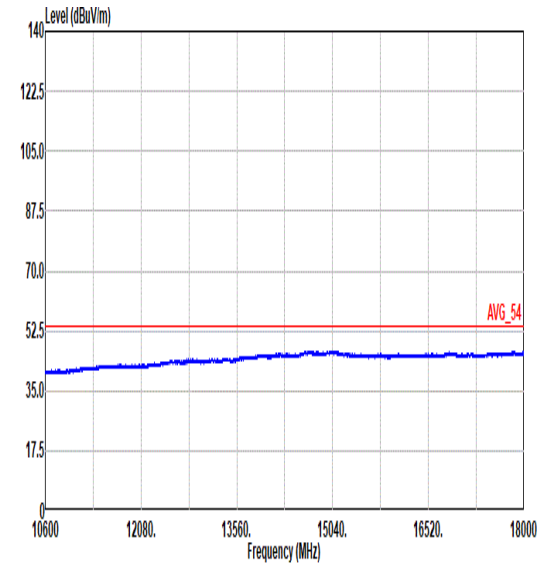
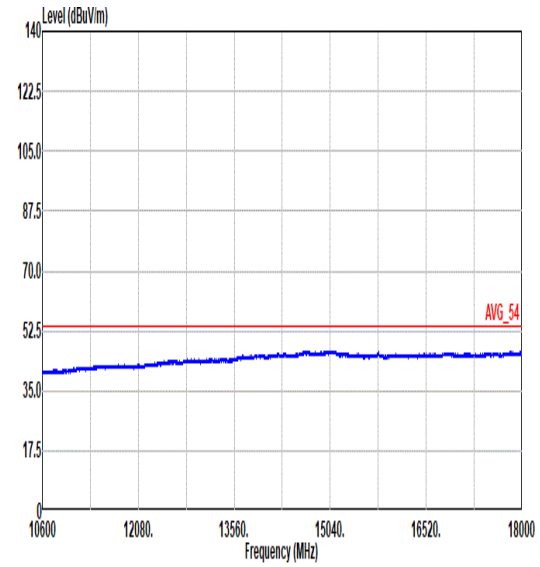
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10520.00	49.77	68.20	-18.43	34.47	37.18	14.86	38.88	2.14	--	--	Peak
2	15780.00	63.02	74.00	-10.98	46.10	40.74	18.19	44.83	2.82	218	305	Peak
3	15780.00	52.76	54.00	-1.24	35.84	40.74	18.19	44.83	2.82	218	305	Average



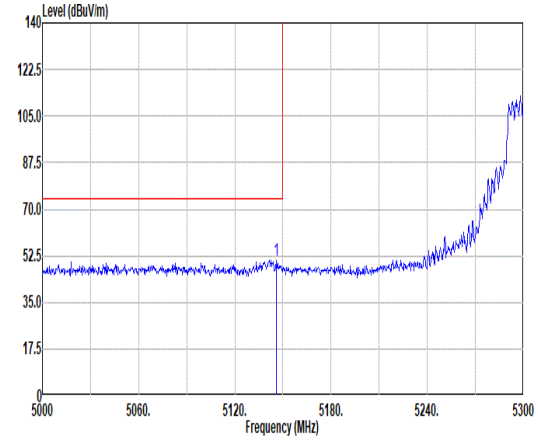
Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 VERTICAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	10520.00	49.87	68.20	-18.33	34.57	37.18	14.86	38.88	2.14	--	--	Peak
2	15780.00	60.30	74.00	-13.70	43.38	40.74	18.19	44.83	2.82	113	89	Peak
3	15780.00	51.66	54.00	-2.34	34.74	40.74	18.19	44.83	2.82	113	89	Average

Mode	11	
	Harmonic	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH52_Full RU_5260MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Vertical
10.6G ~18G Avg		

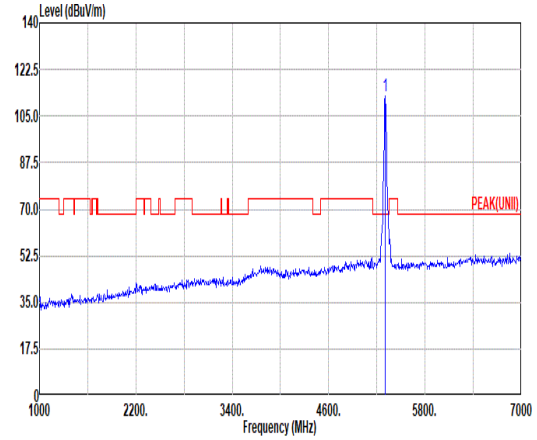
Mode	12	
	Band Edge - L	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH60_Full RU_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH23-HY
Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

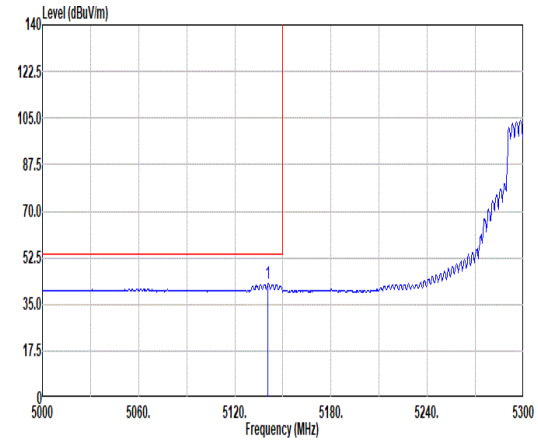
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5145.80	50.81	74.00	-23.19	40.33	32.61	10.44	33.20	0.63	281	151	PEAK



Site : 03CH23-HY
Condition: PEAK(UNII) 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

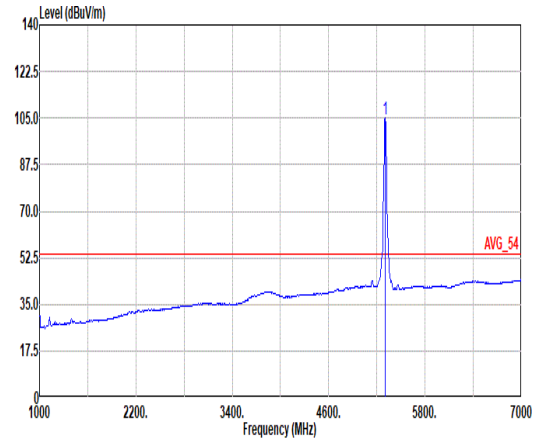
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	112.40	------	------	101.85	32.50	10.82	33.44	0.67	281	151	PEAK

Avg



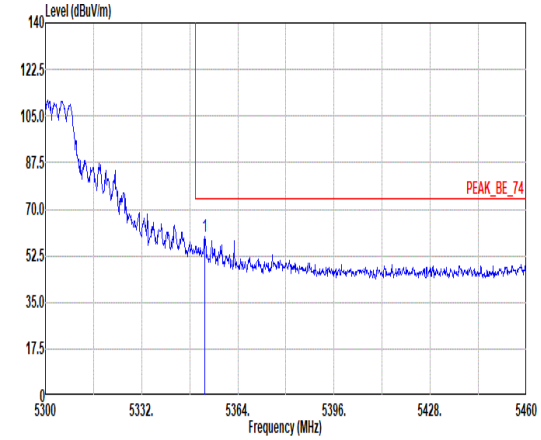
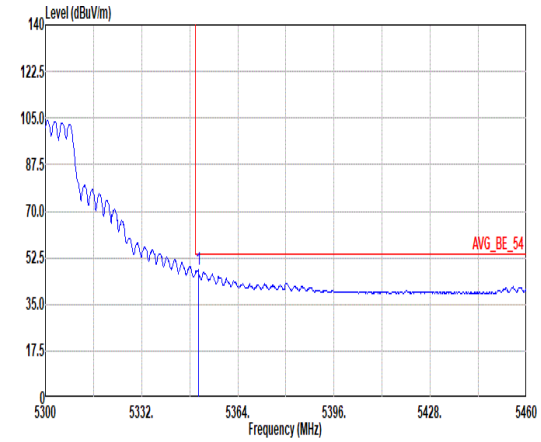
Site : 03CH23-HY
Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5140.70	42.60	54.00	-11.40	32.10	32.62	10.44	33.19	0.63	281	151	AVERAGE



Site : 03CH23-HY
Condition: AVG_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5300.00	104.87	------	------	94.32	32.50	10.82	33.44	0.67	281	151	AVERAGE

Mode	12	
	Band Edge - R	
	U-NII-2A_5.25-5.35_802.11ax HE20_CH60_Full RU_5300MHz	
ANT	3+6 (CDD)	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH23-HY Condition: PEAK_BE_74 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5352.96 59.89 74.00 -14.11 49.21 32.50 11.01 33.52 0.69 281 151 PEAK	**Blank**
Avg	 Site : 03CH23-HY Condition: AVG_BE_54 3m DRH18-E_LE2C05A18EN_230712 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5350.88 47.85 54.00 -6.15 37.17 32.50 11.00 33.51 0.69 281 151 AVERAGE	**Blank**