FCC RADIO TEST REPORT

FCC ID	**:**	**A4RGTF7P**
Equipment	**:**	**Phone**
Model Name	**:**	**GTF7P, G3Y12**
Applicant	**:**	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	**:**	**FCC Part 15 Subpart E §15.407**

The product was received on May 21, 2024 and testing was performed from May 23, 2024 to Sep. 06, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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

Table of Contents

History of this test report **3**
Summary of Test Result **4**
1 General Description **5**
1.1 Product Feature of Equipment Under Test 5
1.2 Modification of EUT 7
1.3 Testing Location 7
1.4 Applicable Standards 7
2 Test Configuration of Equipment Under Test **8**
2.1 Carrier Frequency and Channel 8
2.2 Test Mode 9
2.3 Connection Diagram of Test System 10
2.4 Support Unit used in test configuration and system 11
2.5 EUT Operation Test Setup 11
2.6 Measurement Results Explanation Example 12
3 Test Result **13**
3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement 13
3.2 Maximum E.I.R.P Output Power Measurement 14
3.3 Power Spectral Density Measurement 15
3.4 Unwanted Emissions Measurement 17
3.5 AC Conducted Emission Measurement 22
3.6 Antenna Requirements 24
4 List of Measuring Equipment **25**
5 Measurement Uncertainty **27**
Appendix A. Conducted Test Results
Appendix B. AC Conducted Emission Test Result
Appendix C. Radiated Spurious Emission Test Data
Appendix D. Duty Cycle Plots
Appendix E. Spot Check Evaluation on GTF7P, G3Y12
Appendix F. Setup Photographs

History of this test report

Report No.	Version	Description	Issue Date
FR451607F	01	Initial issue of report	Nov. 01, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.407(e)	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum E.I.R.P Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	1.63 dB under the limit at 5895.25 MHz
3.5	15.207	AC Conducted Emission	Pass	12.81 dB under the limit at 0.15 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

1. ECR inquiry for data referencing from A4RGXQ96 has been approved by FCC. The ECR inquiry and the associated document are submitted in the confidential exhibit.
2. A4RGTF7P is different from FCC ID: A4RGXQ96 (Reference model), in the following:
   - The only difference between A4RGXQ96 and A4RGTF7P are the WWAN support bands, which is controlled by software.
3. All the test results are referenced from A4RGXQ96 (Sporton Test Report FR451606F), and spot check results to justify data referencing is presented in the Appendix E.
4. 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.
5. 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 GTF7P and G3Y12 are 100% identical in Hardware / Software to each other, and only have different model names for marketing segmentation.

Reviewed by: William Chen

Report Producer: Lucy Wu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 802.11ax, NFC, WPC Rx and GNSS. **Antenna Type** WLAN: **<Ant. 4>:** IFA Antenna **<Ant. 3>:** IFA Antenna

EUT Information List	
S/N	**Performed Test Item**
44291JEBF05085	RF Conducted Measurement
46181JEBF10894	Radiated Spurious Emission
44291JEBF05116	Conducted Emission

Antenna information		
5850 MHz ~ 5895 MHz	Peak Gain (dBi)	Ant. 4: -2.1 Ant. 3: -3.2

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

1.1.1 Antenna Directional Gain

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.

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

where

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

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

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

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

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

UNII-4			DG	DG
			for	for
	Ant 4	Ant 3	Power	PSD
	(dBi)	(dBi)	(dBi)	(dBi)
	-2.10	-3.20	-2.10	0.38

Calculation example:

If a device has two antenna, G_{ANT4}= -2.10dBi; G_{ANT3}=-3.20dBi

Directional gain of power measurement = max(-2.10, -3.20) + 0 = -2.10 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (-2.10 dBi / 20) + 10^ (-3.20 dBi / 20)] ^ 2 } / 2 }

= 0.38 dBi

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH12-HY

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart E
- FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- FCC KDB 414788 D01 Radiated Test Site v01r01.
- FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- FCC KDB 291074 D02 EMC Measurement v01
- ANSI C63.10-2013

Remark:

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

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	Bandwidth	Channel	Frequency (MHz)	Note
5850-5895 MHz (U-NII-4)	20 MHz	169	5845	Straddle
		173	5865	
		177	5885	
	40 MHz	167	5835	Straddle
		175	5875	
	80 MHz	171	5855	Straddle
	160 MHz	163	5815	Straddle

Note: The channel noted with “straddle” spans 5.725-5.850 GHz and 5.850-5.895 GHz.

2.2 Test Mode

This device support 26/52/106/242/484/996-tone RU.

The PSD of partial RU is reduced to be smaller than full RU according to TCB workshop interim guidance Oct. 2022.

The 802.11ax mode is investigated among different tones, full resource units (RU), partial resource units. The partial RU has no higher power than full RU's, thus the full RU is chosen as main test configuration.

The 242-tone RU is covered by 20MHz channel, 484-tone RU is covered by 40MHz channel and 996-tone RU is covered by 80MHz channel.

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

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

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

MIMO Mode

Modulation	Data Rate
802.11a	**6 Mbps**
802.11n HT20 (Covered by HE20)	**MCS0**
802.11n HT40 (Covered by HE40)	**MCS0**
802.11ac VHT20 (Covered by HE20)	**MCS0**
802.11ac VHT40 (Covered by HE40)	**MCS0**
802.11ac VHT80 (Covered by HE80)	**MCS0**
802.11ax HE20	**MCS0**
802.11ax HE40	**MCS0**
802.11ax HE80	**MCS0**
802.11ax HE160	**MCS0**

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

Test Cases	
AC Conducted Emission	Mode 1 : LTE Band 14 Idle + WLAN (5GHz) Link + Bluetooth Idle + USB Cable 1 (Charging from Adapter) + Battery < 50%

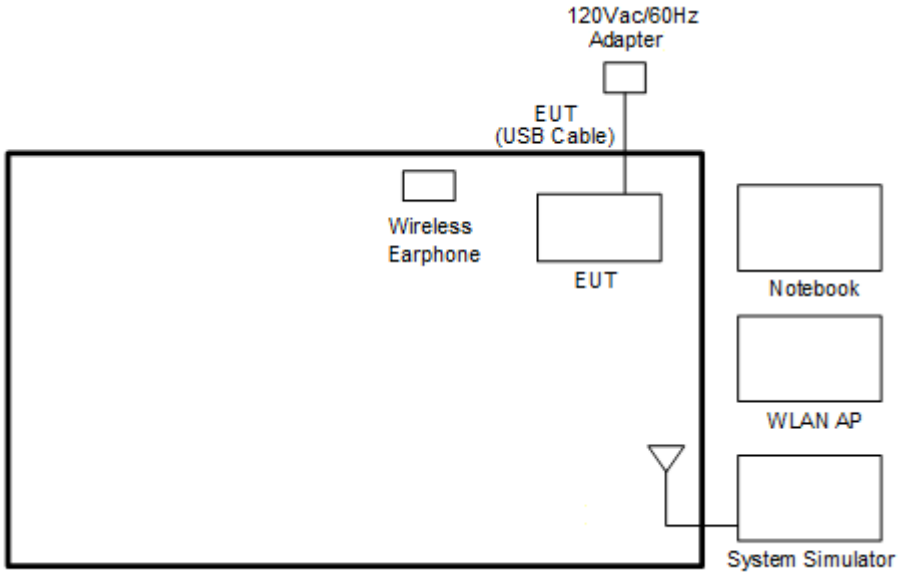
Remark:
1. For Radiated Test Cases, the tests were performed with USB Cable 1.
2. During the preliminary test, both charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adaptor mode is the worst case for official test.

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels			
		802.11a	802.11ax HE20	802.11ax HE40	802.11ax HE80
L	Low	169	169	167	-
M	Middle	173	173	-	171
H	High	177	177	175	-

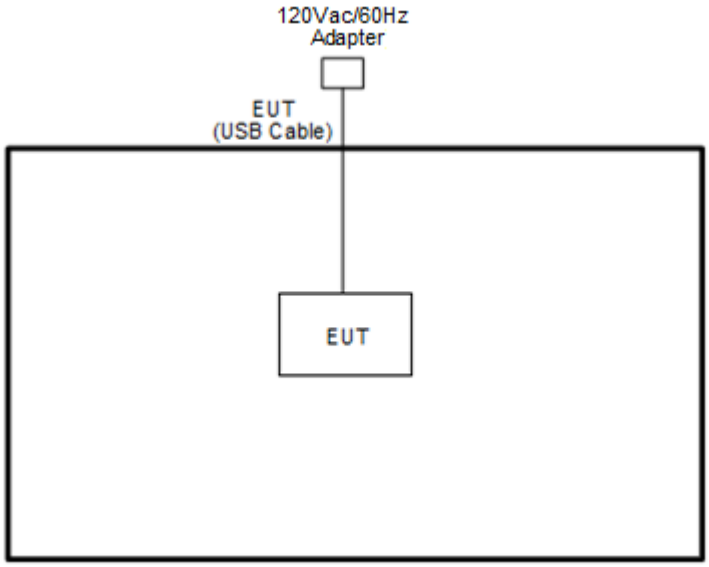
Remark: For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

2.3 Connection Diagram of Test System

<AC Conducted Emission Mode>



<WLAN Tx Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	WLAN AP	ASUS	GT-AXE11000	FCC DoC	N/A	Unshielded,1.8m
3.	Notebook	Dell	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Wireless Earphone	N/A	G1007/G1008	A4RG1007/ A4RG1008	N/A	N/A
5.	Adapter	N/A	GW8L7	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “Cmd Version 1.0.32” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

3.1.2 Measuring Instruments

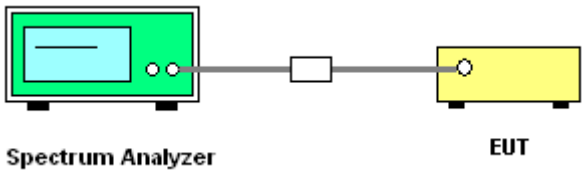
Please refer to the measuring equipment list in this test report.

3.1.3 Test Procedures

The testing follows FCC KDB 291074 D02 EMC Measurement v01 Section 2.11 Minimum Emission bandwidth

1. Set RBW = 100 kHz.
2. Set the VBW ≥ 3 x RBW.
3. Detector = Peak.
4. Trace mode = max hold
5. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Maximum E.I.R.P Output Power Measurement

3.2.1 Limit of Maximum E.I.R.P Output Power

For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band, and the maximum e.i.r.p. over the frequency band of operation must not exceed 30 dBm. Client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands must not exceed an e.i.r.p. of 30 dBm.

3.2.2 Measuring Instruments

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

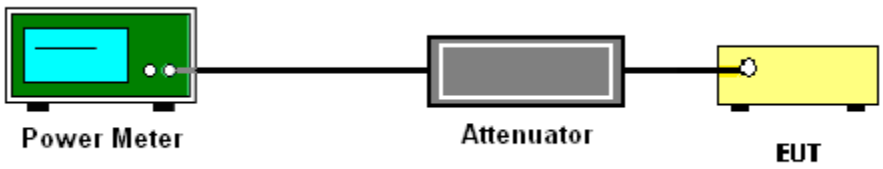
3.2.3 Test Procedures

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

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

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

3.2.4 Test Setup



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

1. For client devices operating under the control of an indoor access point in the 5.850-5.895 GHz band, the maximum power spectral density must not exceed 14 dBm e.i.r.p. in any 1-megahertz band.
2. For client devices operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(i) 30dBm/500kHz and 15.407(a)(3)(iii) 14dBm/MHz limit, where the stringent limit 14dBm/MHz is applied.
3. For an indoor access point operating on a channel that spans the 5.725-5.850 GHz and 5.850-5.895 GHz bands shall meet both 15.407(a)(3)(ii) 36dBm limit, where the stringent limit 20dBm/MHz is applied.

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

 # Method SA-2 #

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

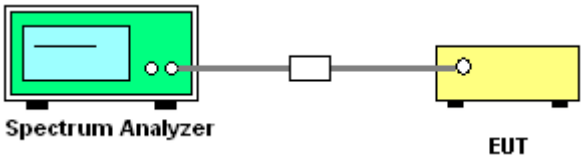
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz.
- Set VBW ≥ 3 MHz.
- Number of points in sweep ≥ 2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add 10 log(1/x),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

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

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

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

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

(1) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as the following 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)

(2) For transmitters operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz:

15.407(b)(5)(ii), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of −5 dBm/MHz and shall decrease linearly to an e.i.r.p. of −27 dBm/MHz at or above 5.925 GHz.

All emissions below 5.725 GHz shall not exceed an e.i.r.p. of −27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.

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

Use guidance in KDB Publication 789033 for all measurements. Unwanted emissions outside of restricted bands are measured with an RMS detector. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Unwanted band-edge emissions may be measured using the integration method as described in KDB Publication 789033 3. d) (ii). Emissions below 5725 MHz should be measured using peak-detection while emission above 5895 MHz should be measured using average.

Frequency(GHz)	EIRP (dBm)	Field Strength @3m distance (dBuV/m)	Note
Below 5.65	-27dBm/MHz	68.2	Peak
5.7	10dBm/MHz	105.2	Peak
5.72	15.6dBm/MHz	110.8	Peak
5.725	27dBm/MHz	122.2	Peak
5.895	-5dBm/MHz	90.2	Average
5.895	15dBm/MHz	110.2	Peak
Above 5.925	-27dBm/MHz	68.2	Average
Above 5.925	-7dBm/MHz	88.2	Peak

Note: Field strength at 3 m distance is converted to EIRP as the following equation:

$$EIRP[dBm] = E[dB\mu V/m] - 95.2$$

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

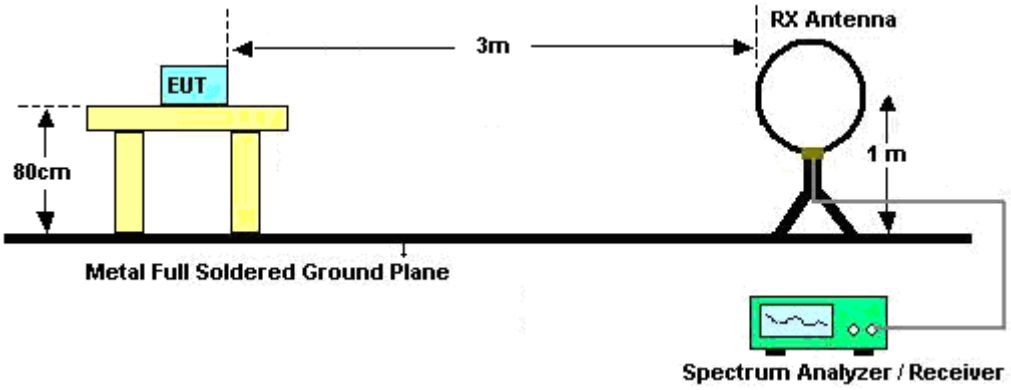
   (2) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was 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 was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.

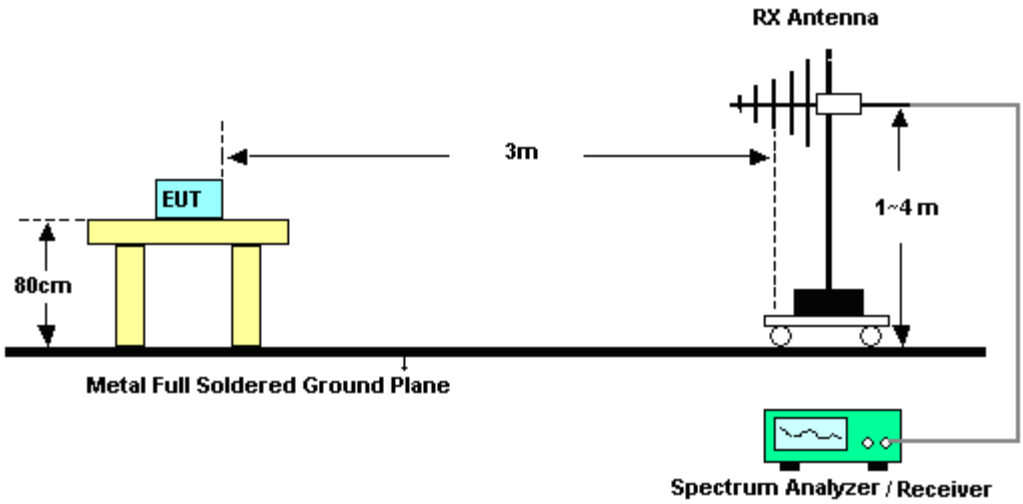
4. The measurement antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization.
5. For each suspected emission, the EUT was arranged to its worst case 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 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree to find the peak maximum hold reading.
   When there is no suspected emission found and the emission level is with at least 6dB margin against QP limit line, the position is marked as "-".
7. Radiated testing above 1GHz was performed by adjusting the antenna tower from 1m to 4m and by rotating the turn table from 0 degree to 360 degree 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 6dB margin against average limit line, the position is marked as "-".

3.4.4 Test Setup

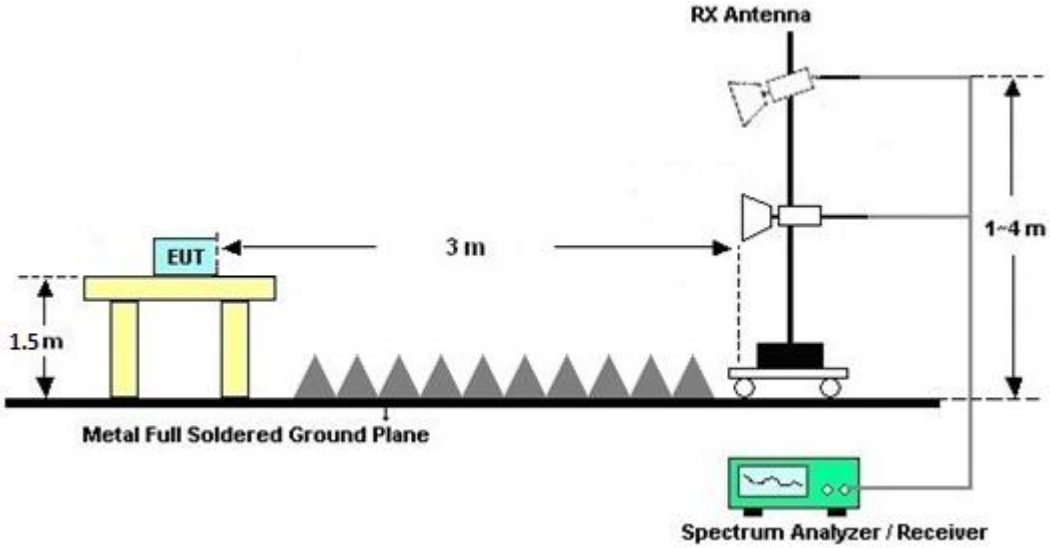
For radiated emissions below 30MHz



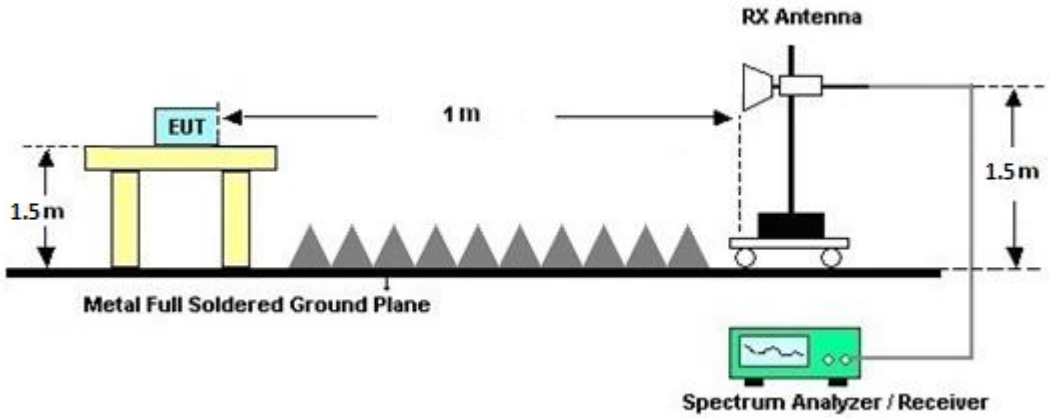
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was 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 Results of Radiated Spurious Emissions (above 18 GHz)

For frequency above 18GHz, the pre-scanned result is 20dB lower than the limit line is not reported.

3.4.7 Test Result of Radiated Band Edges

Please refer to Appendix C.

3.4.8 Duty Cycle

Please refer to Appendix D.

3.4.9 Test Result of Unwanted Radiated Emission (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.

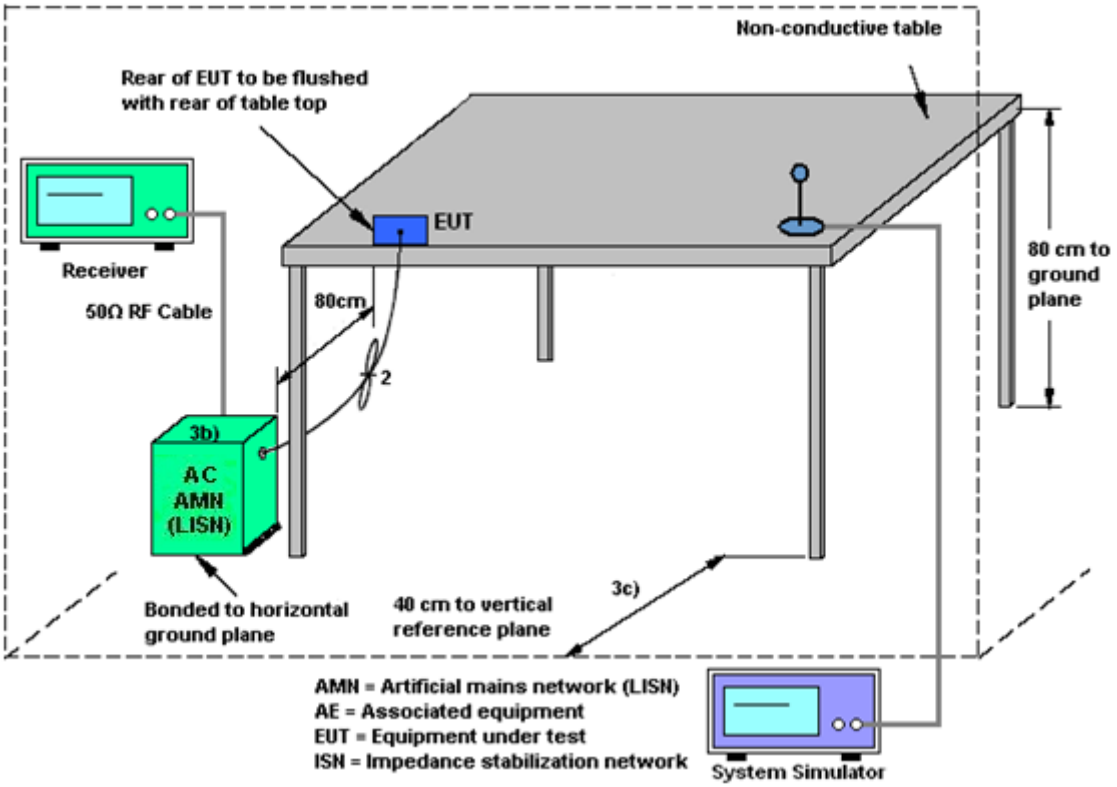
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was 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 sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. 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 provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

3.6.2 Antenna Anti-Replacement Construction

b) Unique (non-standard) antenna connector.

(3) Use of a standard connector is also allowed if the connector is within the transmitter enclosure and can only be accessed by disassembly of the transmitter, where such disassembly is not normally required. The user manual must not show that user has access to the connector.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Aug. 07, 2024	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 06, 2023	Aug. 07, 2024	Dec. 05, 2024	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 26, 2023	Aug. 07, 2024	Oct. 25, 2024	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 22, 2023	Aug. 07, 2024	Nov. 21, 2024	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Aug. 07, 2024	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Aug. 07, 2024	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	260260	N/A	Dec. 28, 2023	Aug. 07, 2024	Dec. 27, 2024	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9kHz~30MHz	Feb. 23, 2024	Jul. 11, 2024~ Sep. 06, 2024	Feb. 22, 2025	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	37059 & 01	30MHz~1GHz	Nov. 03, 2023	Jul. 11, 2024~ Sep. 06, 2024	Nov. 02, 2024	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-02114	1GHz~18GHz	Jul. 11, 2024	Jul. 11, 2024~ Sep. 06, 2024	Jul. 10, 2025	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Jul. 11, 2024~ Sep. 06, 2024	Nov. 23, 2024	Radiation (03CH12-HY)
Preamplifier	COM-POWER	PA-103	161075	10MHz~1GHz	Mar. 20, 2024	Jul. 11, 2024~ Sep. 06, 2024	Mar. 19, 2025	Radiation (03CH12-HY)
Preamplifier	Agilent	8449B	3008A02375	1GHz~26.5GHz	May 22, 2024	Jul. 11, 2024~ Sep. 06, 2024	May 21, 2025	Radiation (03CH12-HY)
Preamplifier	E-INSTRUMENT TECH LTD.	ERA-100M-18G-56-01-A70	EC1900249	1GHz-18GHz	Dec. 20, 2023	Jul. 11, 2024~ Sep. 06, 2024	Dec. 19, 2024	Radiation (03CH12-HY)
Preamplifier	EMEC	EM18G40G	060715	18GHz~40GHz	Dec. 07, 2023	Jul. 11, 2024~ Sep. 06, 2024	Dec. 06, 2024	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Jan. 10, 2024	Jul. 11, 2024~ Aug. 08, 2024	Jan. 09, 2025	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Aug. 09, 2024	Aug. 09, 2024~ Sep. 06, 2024	Aug. 08, 2025	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290053	20Hz~26.5GHz	Aug. 29, 2023	Jul. 11, 2024~ Aug. 27, 2024	Aug. 28, 2024	Radiation (03CH12-HY)
EMI Test Receiver	Agilent	N9038A(MXE)	MY53290045	20Hz~8.4GHz	Apr. 17, 2024	Aug. 28, 2024~ Sep. 06, 2024	Apr. 16, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WLKS1200-12 SS	SN2	1.2GHz Low Pass Filter	Mar. 13, 2024	Jul. 11, 2024~ Sep. 06, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
Filter	Wainwright	WHKX8-5872. 5-6750-18000-40ST	SN2	6.75GHz High Pass Filter	Mar. 13, 2024	Jul. 11, 2024~ Sep. 06, 2024	Mar. 12, 2025	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9kHz~30MHz	Mar. 06, 2024	Jul. 11, 2024~ Sep. 06, 2024	Mar. 05, 2025	Radiation (03CH12-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0058/126E	30MHz~18GHz	Dec. 18, 2023	Jul. 11, 2024~ Sep. 06, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	505134/2	30MHz~40GHz	Dec. 18, 2023	Jul. 11, 2024~ Sep. 06, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803953/2	30MHz~40GHz	Dec. 18, 2023	Jul. 11, 2024~ Sep. 06, 2024	Dec. 17, 2024	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303B	TP210117	N/A	Oct. 19, 2023	Jul. 11, 2024~ Sep. 06, 2024	Oct. 18, 2024	Radiation (03CH12-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jul. 11, 2024~ Sep. 06, 2024	N/A	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jul. 11, 2024~ Sep. 06, 2024	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jul. 11, 2024~ Sep. 06, 2024	N/A	Radiation (03CH12-HY)
Software	Audix	E3 6.2009-8-24	RK-000989	N/A	N/A	Jul. 11, 2024~ Sep. 06, 2024	N/A	Radiation (03CH12-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	May 23, 2024~ Aug. 21, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO 36 (NO:35)	10MHz~6GHz	Aug. 23, 2023	May 23, 2024~ Aug. 21, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	May 23, 2024~ Aug. 21, 2024	Sep. 11, 2024	Conducted (TH05-HY)
Switch Box & RF Cable	E-Instument	ETF-058	EC1208382 (BOX1)	N/A	Apr. 01, 2024	May 23, 2024~ Aug. 21, 2024	Mar. 31, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_ version1.0	N/A	N/A	N/A	May 23, 2024~ Aug. 21, 2024	N/A	Conducted (TH05-HY)

5 Measurement Uncertainty

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.1 dB**

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.8 dB**

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

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

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Hank Hsu	Temperature:	21~25	°C
Test Date:	2024/5/23~2024/8/21	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-4 MIMO												
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
11a	6Mbps	2	169	5845	27.57	25.22	43.41	39.42	16.34	15.47	0.5	Pass
11a	6Mbps	2	173	5865	25.82	23.78	40.02	38.83	16.31	16.24	0.5	Pass
11a	6Mbps	2	177	5885	25.87	24.23	40.00	37.98	16.03	15.39	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 MIMO										
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Average Conducted Power (dBm)			DG (dBi)	E.I.R.P Power (dBm)	E.I.R.P Limit (dBm)
					Ant 4	Ant 3	SUM	Ant 4 + Ant 3	Ant 4 + Ant 3	Ant 4 + Ant 3
11a	6Mbps	2	169	5845	19.95	19.09	22.55	-2.10	20.45	30
11a	6Mbps	2	173	5865	19.65	18.49	22.12	-2.10	20.02	30
11a	6Mbps	2	177	5885	19.65	18.59	22.16	-2.10	20.06	30
HT20	MCS0	2	169	5845	19.75	18.99	22.40	-2.10	20.30	30
HT20	MCS0	2	173	5865	19.65	18.59	22.16	-2.10	20.06	30
HT20	MCS0	2	177	5885	18.35	17.69	21.04	-2.10	18.94	30
HT40	MCS0	2	167	5835	18.55	17.59	21.11	-2.10	19.01	30
HT40	MCS0	2	175	5875	18.65	17.39	21.08	-2.10	18.98	30
VHT20	MCS0	2	169	5845	19.75	18.99	22.40	-2.10	20.30	30
VHT20	MCS0	2	173	5865	19.65	18.59	22.16	-2.10	20.06	30
VHT20	MCS0	2	177	5885	18.35	17.69	21.04	-2.10	18.94	30
VHT40	MCS0	2	167	5835	18.55	17.59	21.11	-2.10	19.01	30
VHT40	MCS0	2	175	5875	18.65	17.39	21.08	-2.10	18.98	30
VHT80	MCS0	2	171	5855	17.25	16.59	19.94	-2.10	17.84	30

TEST RESULTS DATA
Power Spectral Density

UNII-4 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
					Ant 1	Ant 2	Ant 4	Ant 3	SUM	Ant 4 + Ant 3	Ant 4 + Ant 3	Ant 4 + Ant 3	
11a	6Mbps	2	169	5845	0.28	0.29			11.03	0.38	11.41	14.00	Pass
11a	6Mbps	2	173	5865	0.28	0.29			10.55	0.38	10.93	14.00	Pass
11a	6Mbps	2	177	5885	0.28	0.29			10.43	0.38	10.81	14.00	Pass

Note: PSD Sum = Max PSD(Ant. 4, Ant. 3) + 10 log (n)

TEST RESULTS DATA
6dB and 26dB EBW and 99% OBW

UNII-4 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 4	Ant 3	Ant 4	Ant 3	Ant 4	Ant 3		
HE20	MCS0	2	169	5845	Full	28.22	25.77	46.98	45.71	17.44	17.41	0.5	Pass
HE20	MCS0	2	173	5865	Full	26.52	23.93	44.54	40.61	17.55	17.77	0.5	Pass
HE20	MCS0	2	177	5885	Full	25.77	25.02	46.48	46.21	18.27	17.08	0.5	Pass
HE40	MCS0	2	167	5835	Full	41.66	39.36	84.67	70.83	36.94	36.37	0.5	Pass
HE40	MCS0	2	175	5875	Full	40.96	38.66	81.65	64.54	36.95	36.50	0.5	Pass
HE80	MCS0	2	171	5855	Full	77.32	77.20	119.68	121.38	76.13	75.76	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 MIMO											
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			DG (dBi)	E.I.R.P Power (dBm)	E.I.R.P Limit (dBm)
						Ant 4	Ant 3	SUM	Ant 4 + Ant 3	Ant 4 + Ant 3	Ant 4 + Ant 3
HE20	MCS0	2	169	5845	Full	19.85	19.09	22.50	-2.10	20.40	30
HE20	MCS0	2	169	5845	26/0	11.15	9.29	13.33	-2.10	11.23	30
HE20	MCS0	2	169	5845	52/37	13.75	12.89	16.35	-2.10	14.25	30
HE20	MCS0	2	169	5845	106/53	16.35	15.59	19.00	-2.10	16.90	30
HE20	MCS0	2	173	5865	Full	19.75	18.69	22.26	-2.10	20.16	30
HE20	MCS0	2	173	5865	26/4	11.55	10.09	13.89	-2.10	11.79	30
HE20	MCS0	2	173	5865	52/38	12.85	11.39	15.19	-2.10	13.09	30
HE20	MCS0	2	173	5865	106/53	15.55	15.19	18.38	-2.10	16.28	30
HE20	MCS0	2	177	5885	Full	18.45	17.79	21.14	-2.10	19.04	30
HE20	MCS0	2	177	5885	26/8	9.05	7.49	11.35	-2.10	9.25	30
HE20	MCS0	2	177	5885	52/40	12.55	11.09	14.89	-2.10	12.79	30
HE20	MCS0	2	177	5885	106/54	13.55	12.69	16.15	-2.10	14.05	30
HE40	MCS0	2	167	5835	Full	18.65	17.69	21.21	-2.10	19.11	30
HE40	MCS0	2	175	5875	Full	18.75	17.49	21.18	-2.10	19.08	30
HE80	MCS0	2	171	5855	Full	17.35	17.09	20.23	-2.10	18.13	30

TEST RESULTS DATA
Power Spectral Density

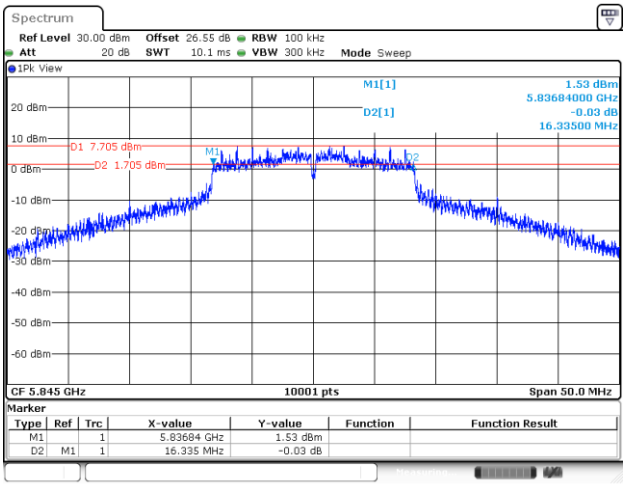
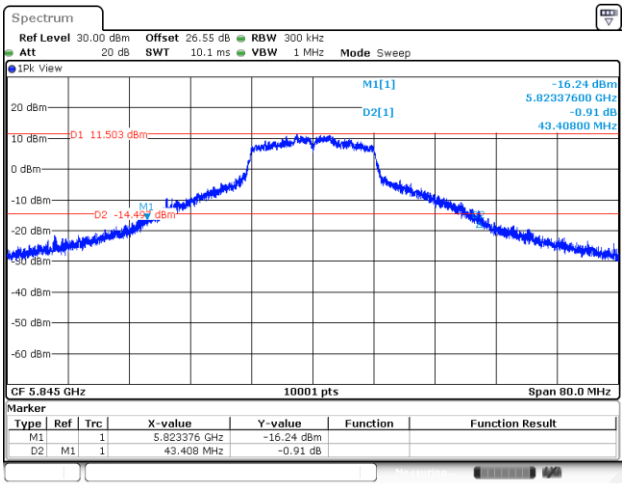
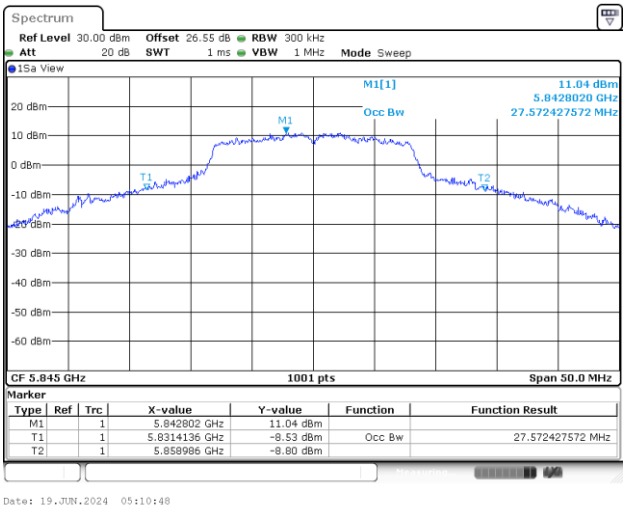
UNII-4 MIMO													
Mod.	Data Rate	N_{TX}	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
						Ant 1	Ant 2	Ant 4	Ant 3	SUM	Ant 4 + Ant 3	Ant 4 + Ant 3	Ant 4 + Ant 3	
HE20	MCS0	2	169	5845	Full	0.40	0.40			10.15	0.38	10.52	14.00	Pass
HE20	MCS0	2	169	5845	26/0	0.48	0.48			7.86	0.38	8.24	14.00	Pass
HE20	MCS0	2	169	5845	52/37	0.52	0.53			10.14	0.38	10.51	14.00	Pass
HE20	MCS0	2	169	5845	106/53	0.58	0.59			6.85	0.38	7.22	14.00	Pass
HE20	MCS0	2	173	5865	Full	0.40	0.40			9.88	0.38	10.26	14.00	Pass
HE20	MCS0	2	173	5865	26/4	0.48	0.48			9.45	0.38	9.83	14.00	Pass
HE20	MCS0	2	173	5865	52/38	0.52	0.53			9.04	0.38	9.41	14.00	Pass
HE20	MCS0	2	173	5865	106/53	0.58	0.59			9.33	0.38	9.71	14.00	Pass
HE20	MCS0	2	177	5885	Full	0.40	0.40			8.82	0.38	9.20	14.00	Pass
HE20	MCS0	2	177	5885	26/8	0.48	0.48			8.72	0.38	9.10	14.00	Pass
HE20	MCS0	2	177	5885	52/40	0.52	0.53			8.09	0.38	8.47	14.00	Pass
HE20	MCS0	2	177	5885	106/54	0.58	0.59			8.66	0.38	9.03	14.00	Pass
HE40	MCS0	2	167	5835	Full	0.40	0.40			6.08	0.38	6.46	14.00	Pass
HE40	MCS0	2	175	5875	Full	0.40	0.40			5.96	0.38	6.34	14.00	Pass
HE80	MCS0	2	171	5855	Full	0.54	0.54			2.50	0.38	2.88	14.00	Pass

Note: PSD Sum = Max PSD(Ant. 4, Ant. 3) + 10 log (n)

Test Result of 6dB and 26dB and 99% Occupied Bandwidth

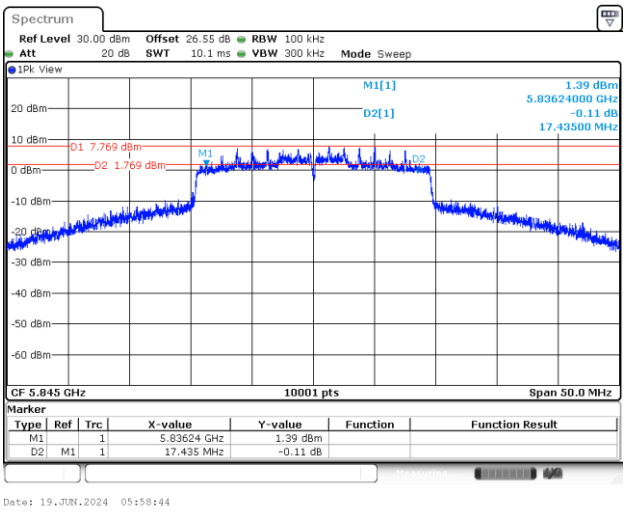
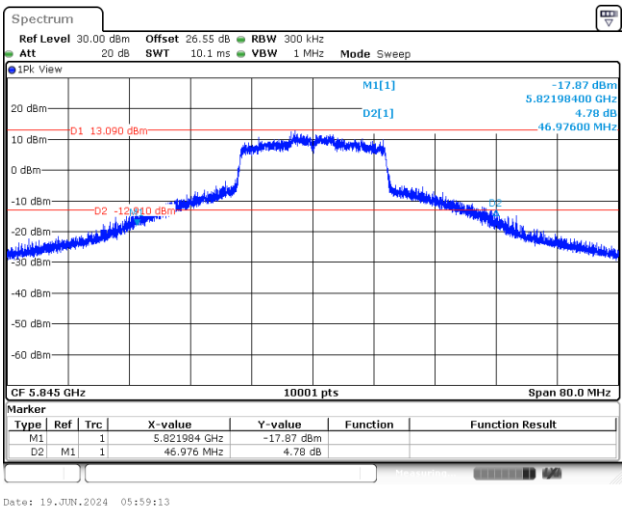
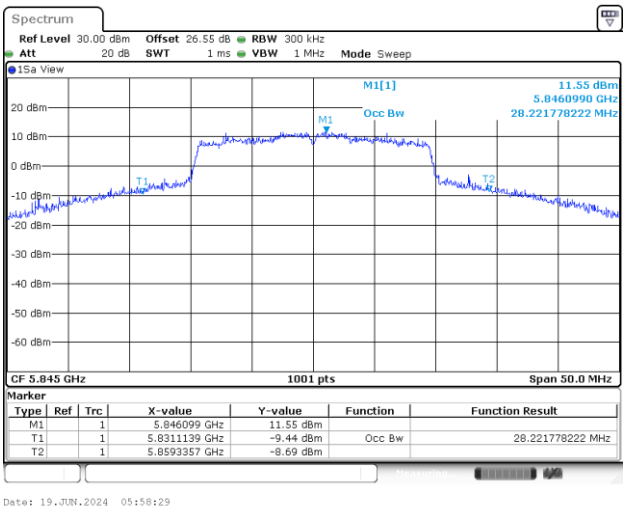
MIMO <Ant. 4+3>

<802.11a>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

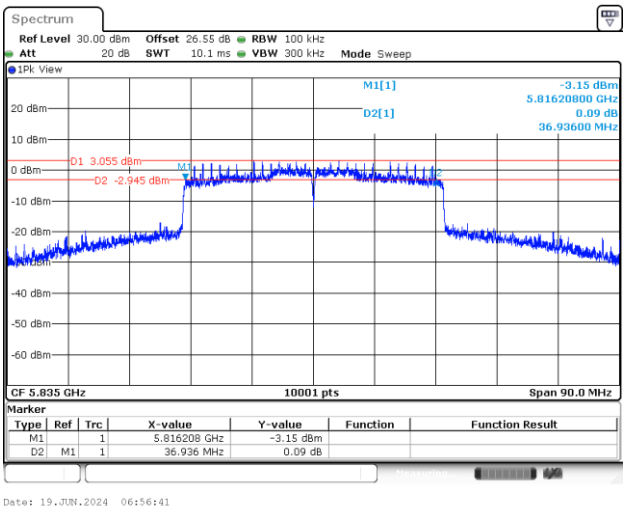
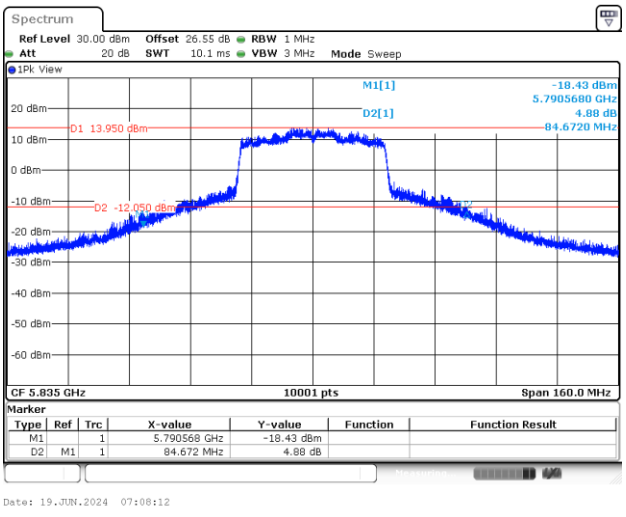
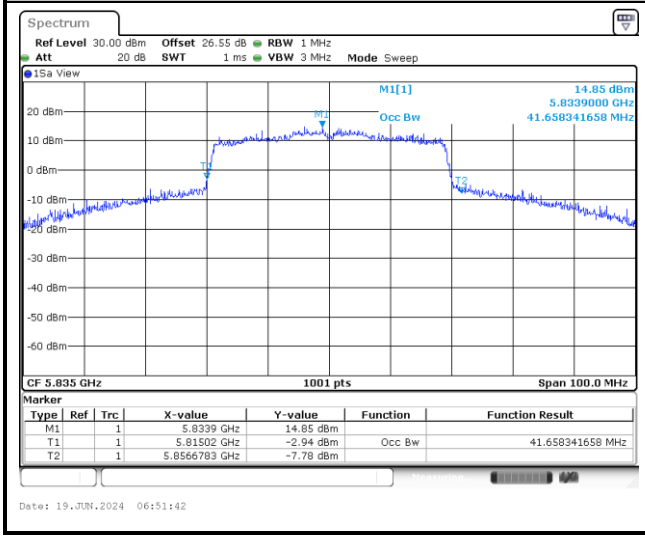
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ax HE20>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

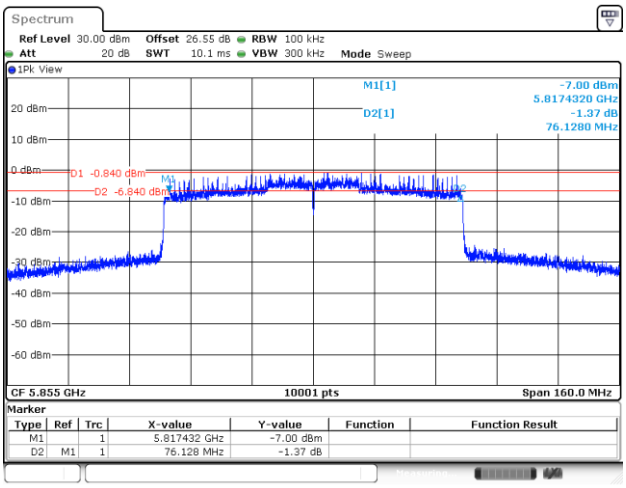
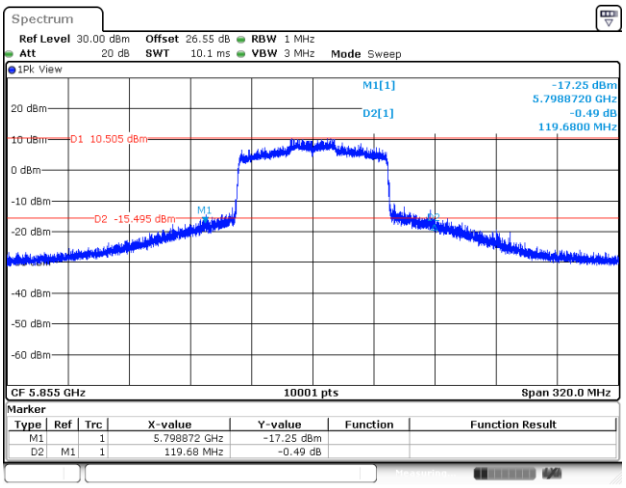
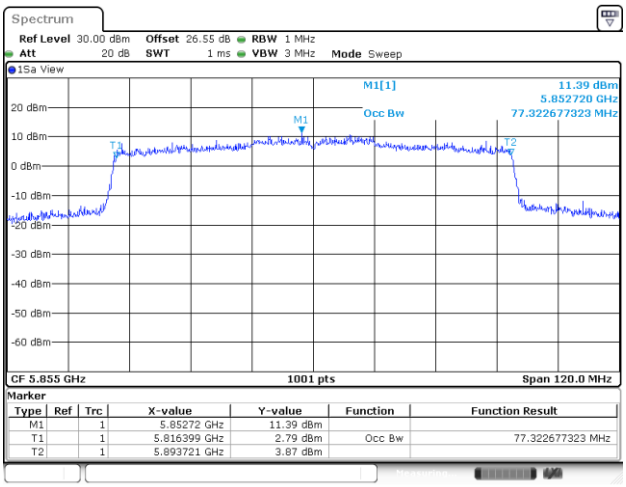
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ax HE40>

6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

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

<802.11ax HE80>

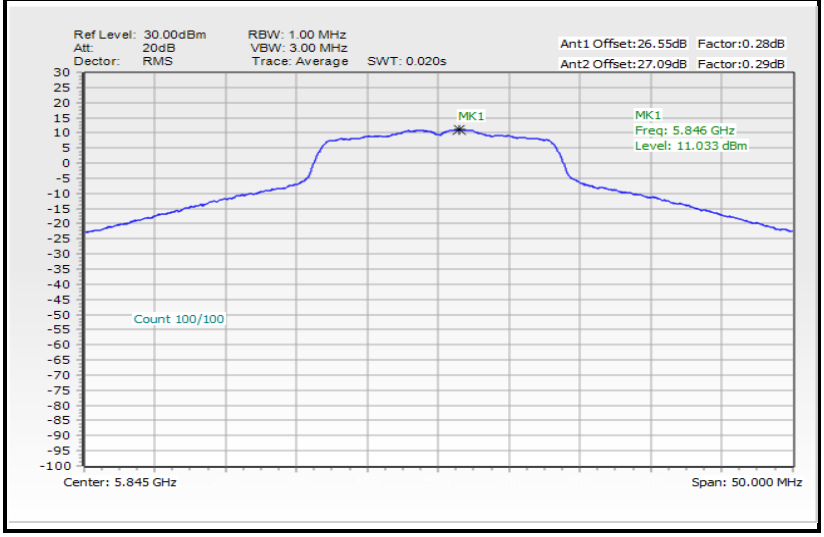
6dB Bandwidth	26dB Bandwidth
	
99% Occupied Bandwidth	**N/A**
	

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

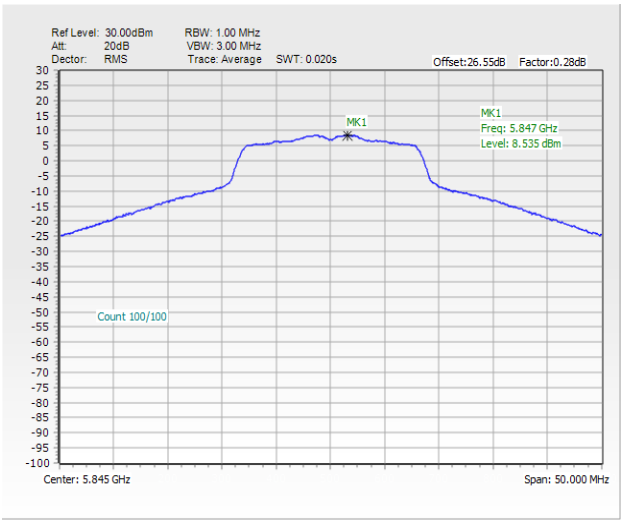
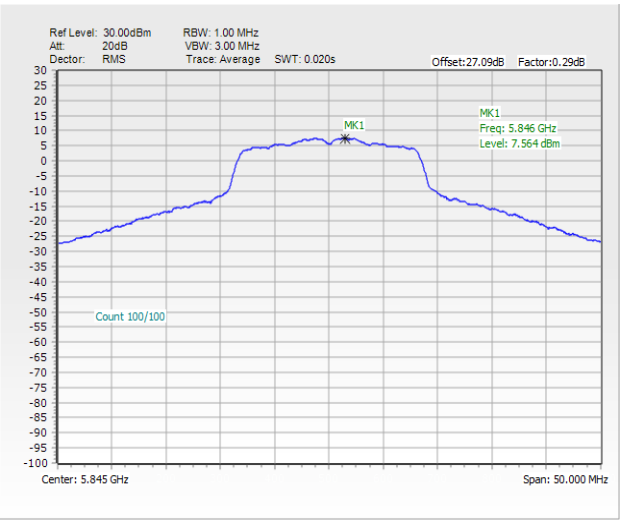
Test Result of Power Spectral Density

<802.11a>

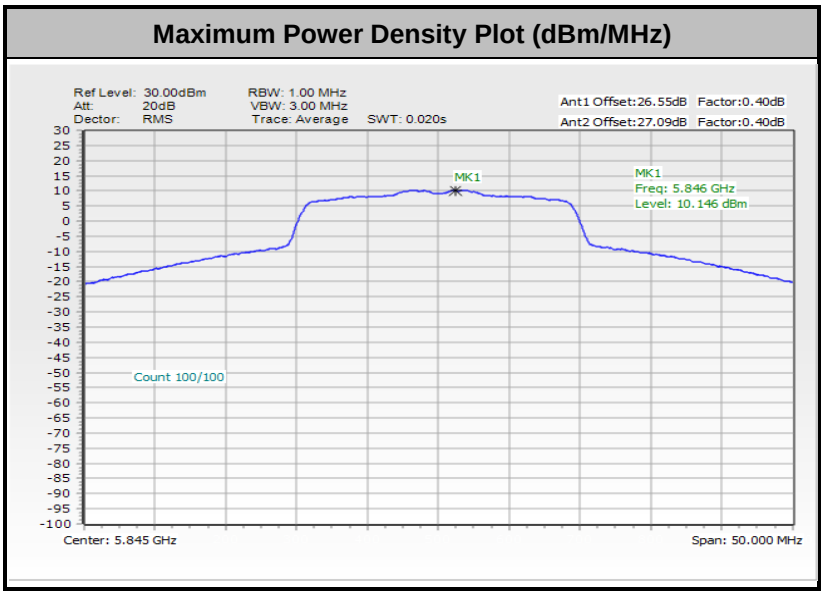
Maximum Power Density Plot (dBm/MHz)



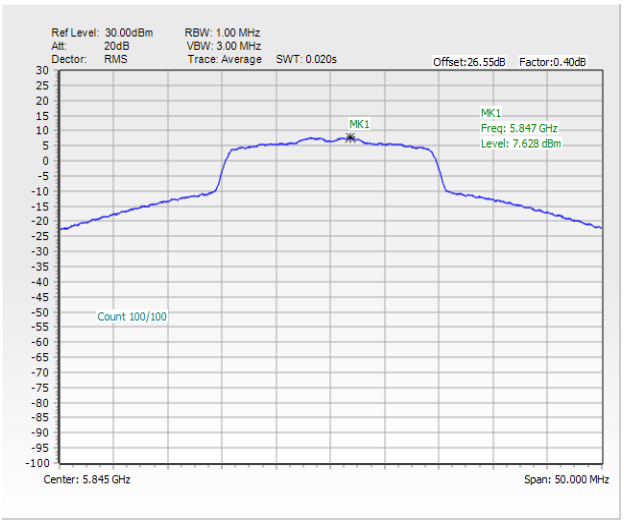
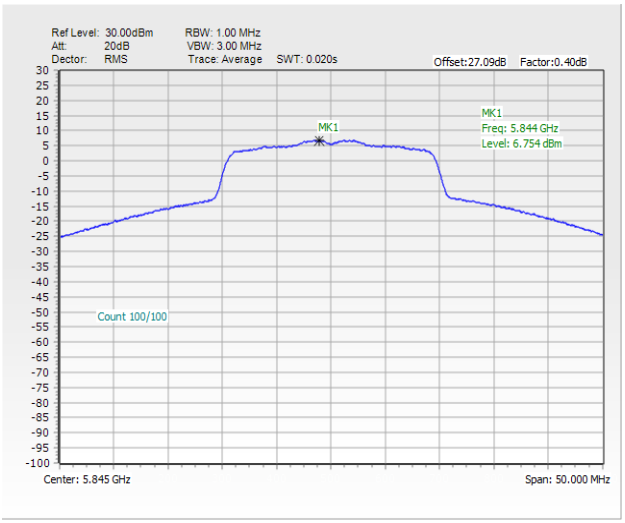
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

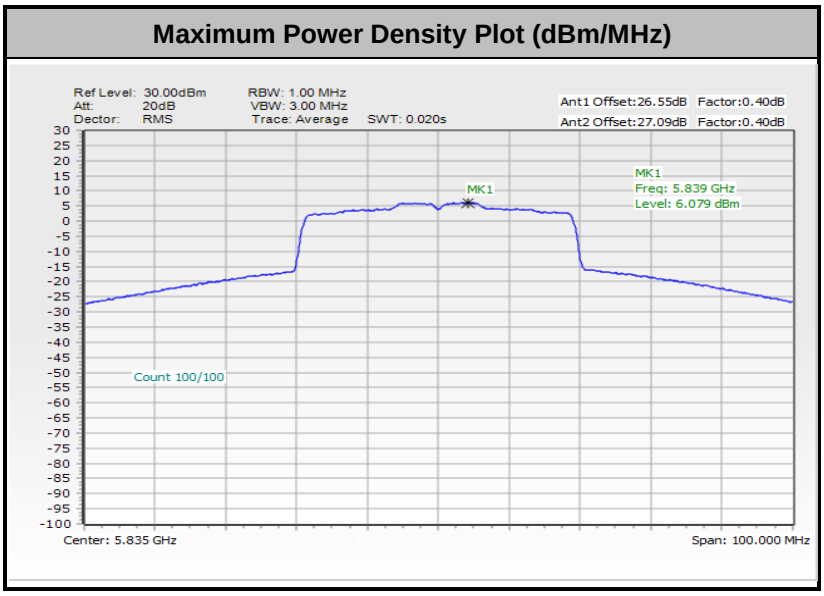
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


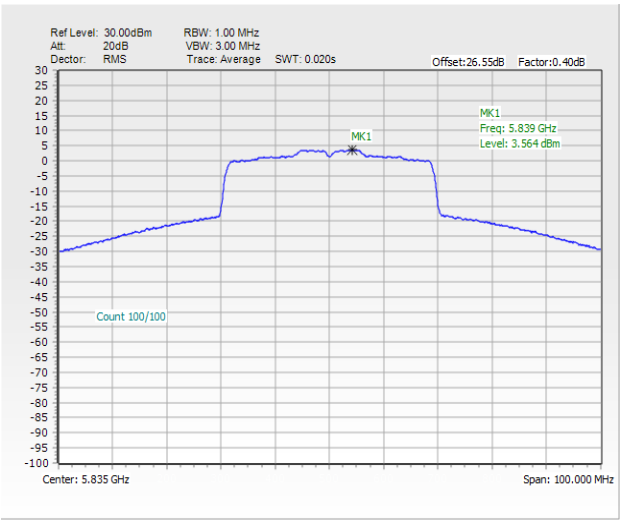
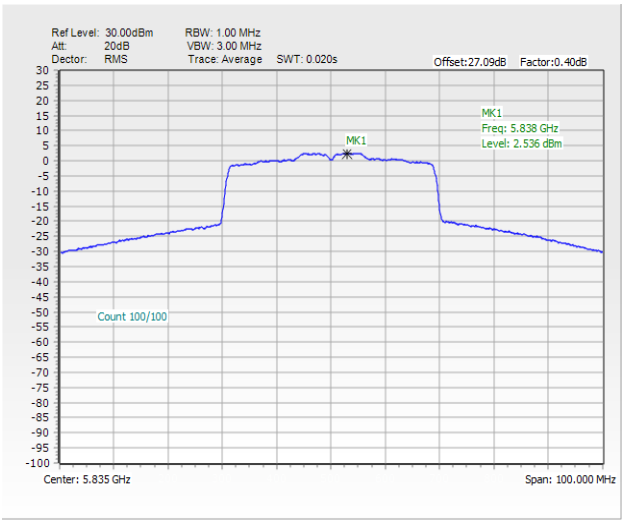
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

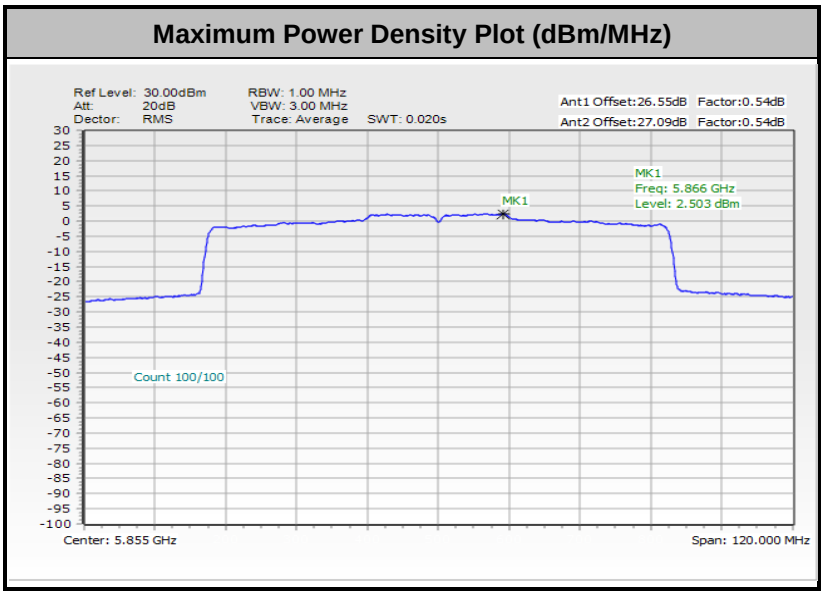
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


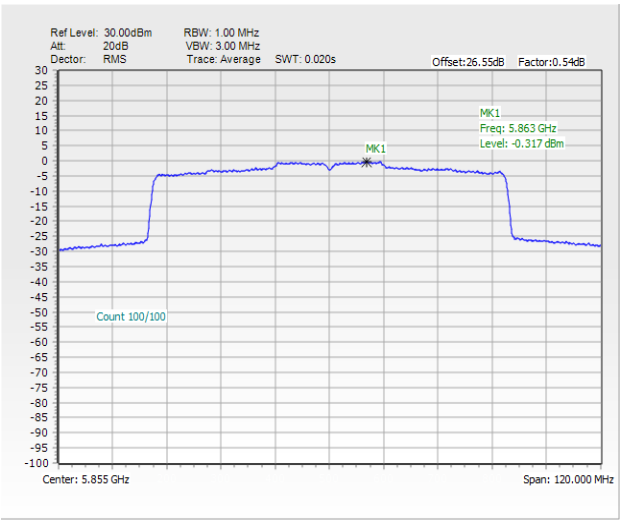
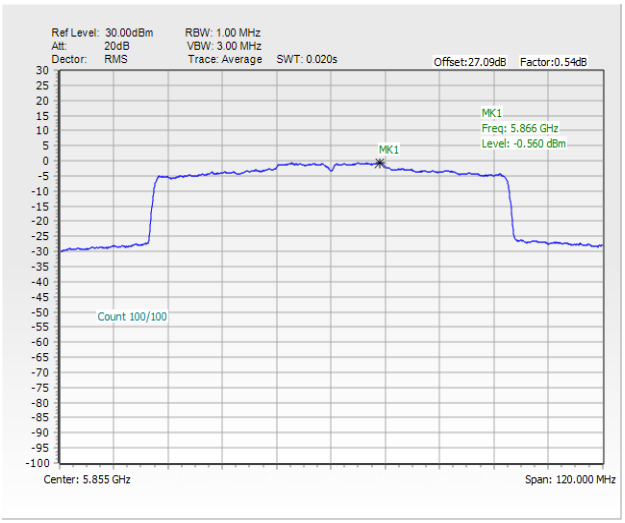
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 1 (Ant 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

<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 4)	Maximum Power Density Plot Trace 2 (Ant 3)
	

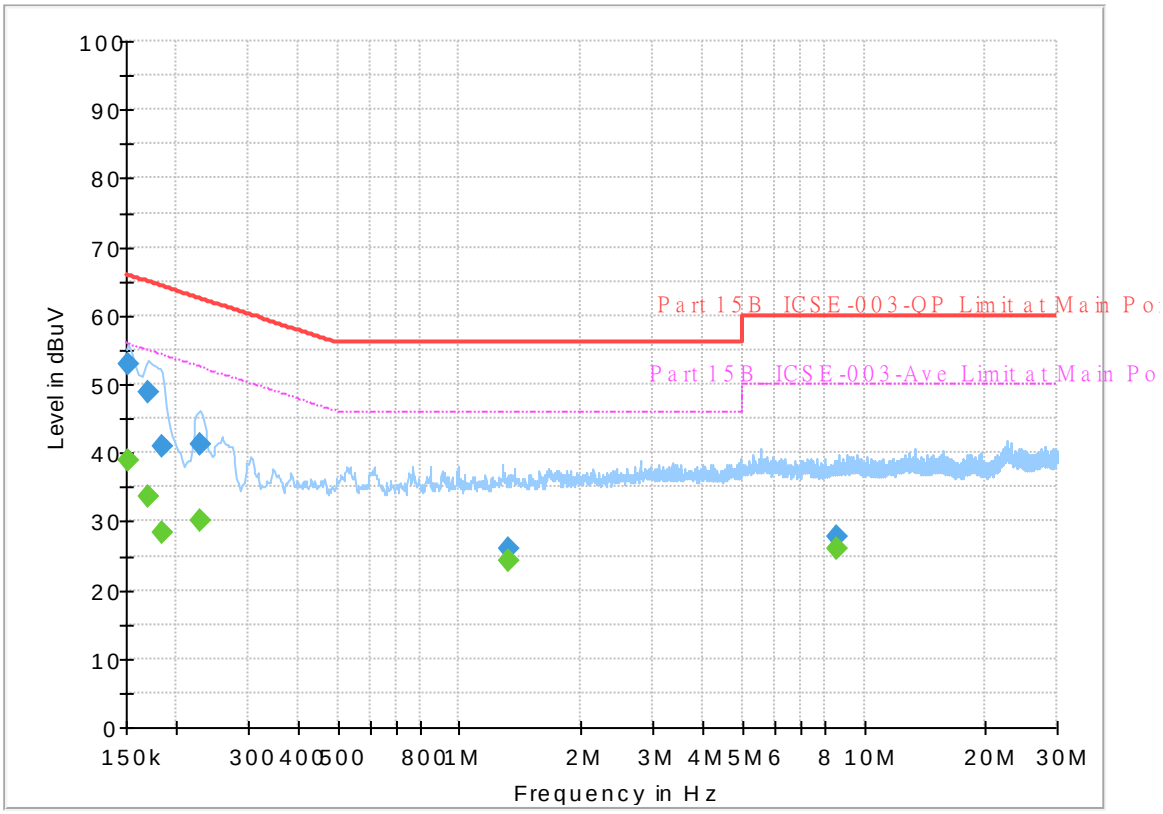
Appendix B. AC Conducted Emission Test Results

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

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



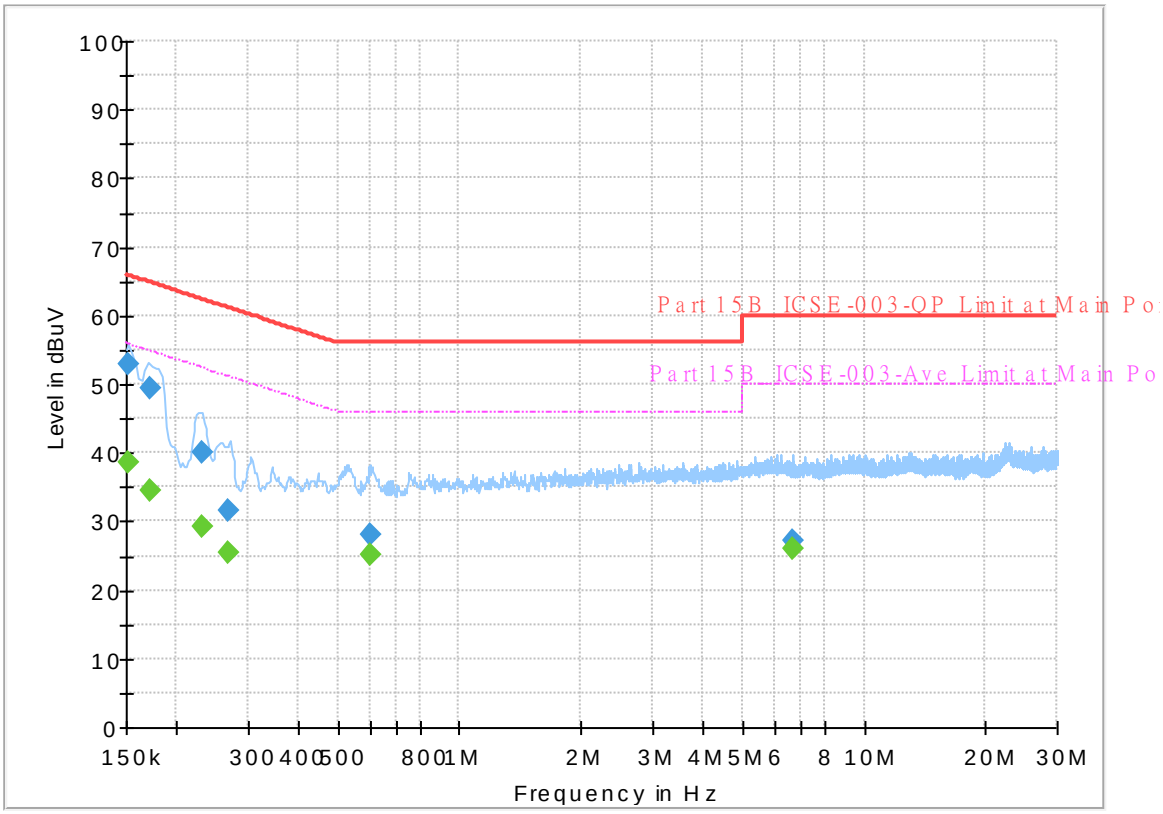
Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.75	55.88	17.13	L1	OFF	19.8
0.152250	53.02	---	65.88	12.86	L1	OFF	19.8
0.170250	---	33.53	54.95	21.42	L1	OFF	19.8
0.170250	48.79	---	64.95	16.16	L1	OFF	19.8
0.183750	---	28.25	54.31	26.06	L1	OFF	19.8
0.183750	40.93	---	64.31	23.38	L1	OFF	19.8
0.228750	---	29.99	52.50	22.51	L1	OFF	19.8
0.228750	41.22	---	62.50	21.28	L1	OFF	19.8
1.315500	---	24.16	46.00	21.84	L1	OFF	19.9
1.315500	26.08	---	56.00	29.92	L1	OFF	19.9
8.565000	---	26.17	50.00	23.83	L1	OFF	20.2
8.565000	27.64	---	60.00	32.36	L1	OFF	20.2

EUT Information

Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	38.45	55.88	17.43	N	OFF	19.8
0.152250	53.07	---	65.88	12.81	N	OFF	19.8
0.172500	---	34.46	54.84	20.38	N	OFF	19.8
0.172500	49.52	---	64.84	15.32	N	OFF	19.8
0.231000	---	29.36	52.41	23.05	N	OFF	19.8
0.231000	39.94	---	62.41	22.47	N	OFF	19.8
0.269250	---	25.35	51.14	25.79	N	OFF	19.8
0.269250	31.55	---	61.14	29.59	N	OFF	19.8
0.600000	---	25.12	46.00	20.88	N	OFF	19.8
0.600000	28.11	---	56.00	27.89	N	OFF	19.8
6.693000	---	25.88	50.00	24.12	N	OFF	20.1
6.693000	27.18	---	60.00	32.82	N	OFF	20.1

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Ken Kuo, Tim Lee, and Wilson Wu	**Temperature :**	21.7~23.5°C
		Relative Humidity :	55.2~62.4%

Note symbol

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

C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 43	U-NII-4	5.85-5.895	4+3	802.11a	169	5845	6Mbps	-	-
Mode 44	U-NII-4	5.85-5.895	4+3	802.11a	173	5865	6Mbps	-	-
Mode 45	U-NII-4	5.85-5.895	4+3	802.11a	177	5885	6Mbps	-	-
Mode 46	U-NII-4	5.85-5.895	4+3	802.11ax HE20	169	5845	MCS0	Full RU	-
Mode 47	U-NII-4	5.85-5.895	4+3	802.11ax HE20	173	5865	MCS0	Full RU	-
Mode 48	U-NII-4	5.85-5.895	4+3	802.11ax HE20	177	5885	MCS0	Full RU	-
Mode 49	U-NII-4	5.85-5.895	4+3	802.11ax HE40	167	5835	MCS0	Full RU	-
Mode 50	U-NII-4	5.85-5.895	4+3	802.11ax HE40	175	5875	MCS0	Full RU	-
Mode 51	U-NII-4	5.85-5.895	4+3	802.11ax HE80	171	5855	MCS0	Full RU	-
Mode 72	U-NII-4	5.85-5.895	4+3	802.11ax HE20	169	5845	MCS0	Partial 26/0	-
Mode 73	U-NII-4	5.85-5.895	4+3	802.11ax HE20	169	5845	MCS0	Partial 52/37	-
Mode 74	U-NII-4	5.85-5.895	4+3	802.11ax HE20	169	5845	MCS0	Partial 106/53	-
Mode 75	U-NII-4	5.85-5.895	4+3	802.11ax HE20	177	5885	MCS0	Partial 26/8	-
Mode 76	U-NII-4	5.85-5.895	4+3	802.11ax HE20	177	5885	MCS0	Partial 52/40	-
Mode 77	U-NII-4	5.85-5.895	4+3	802.11ax HE20	177	5885	MCS0	Partial 106/54	-
Mode 78	U-NII-4	5.85-5.895	4+3	802.11ax HE20	177	5885	MCS0	Partial 106/54	LF
Mode 79	U-NII-4	5.85-5.895	4+3	802.11ax HE20	177	5885	MCS0	Partial 106/54	SHF

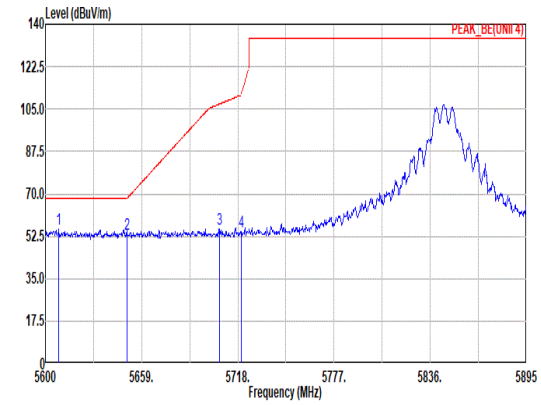
C2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
43	802.11a	169	5612.39	55.33	68.20	-12.87	V	Peak	Pass	-	Band Edge
	802.11a	169	11690.00	42.51	54.00	-11.49	V	Avg.	Pass	-	Harmonic
44	802.11a	173	5634.22	55.33	68.20	-12.87	H	Peak	Pass	-	Band Edge
	802.11a	173	11730.00	42.21	54.00	-11.79	H	Avg.	Pass	-	Harmonic
45	802.11a	177	5899.50	77.57	86.89	-9.32	V	Avg.	Pass	-	Band Edge
	802.11a	177	11770.00	41.89	54.00	-12.11	H	Avg.	Pass	-	Harmonic
46	802.11ax HE20	169	5632.45	55.58	68.20	-12.62	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	169	11690.00	41.10	54.00	-12.90	H	Avg.	Pass	Full RU	Harmonic
47	802.11ax HE20	173	5631.57	55.40	68.20	-12.80	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	173	11730.00	40.04	54.00	-13.96	H	Avg.	Pass	Full RU	Harmonic
48	802.11ax HE20	177	5895.25	87.84	90.02	-2.18	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE20	177	11770.00	40.70	54.00	-13.30	V	Avg.	Pass	Full RU	Harmonic
49	802.11ax HE40	167	5625.08	55.27	68.20	-12.93	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	167	11670.00	40.85	54.00	-13.15	V	Avg.	Pass	Full RU	Harmonic
50	802.11ax HE40	175	5923.50	61.00	69.30	-8.30	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE40	175	11750.00	41.64	54.00	-12.36	V	Avg.	Pass	Full RU	Harmonic
51	802.11ax HE80	171	5924.25	66.30	68.75	-2.45	H	Avg.	Pass	Full RU	Band Edge
	802.11ax HE80	171	11710.00	43.09	54.00	-10.91	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
72	802.11ax HE20	169	5614.46	55.60	68.20	-12.60	H	Peak	Pass	Partial 26/0	Band Edge
	802.11ax HE20	169	-	-	-	-	-	-	-	Partial 26/0	Harmonic
73	802.11ax HE20	169	5637.76	56.00	68.20	-12.20	V	Peak	Pass	Partial 52/37	Band Edge
	802.11ax HE20	169	-	-	-	-	-	-	-	Partial 52/37	Harmonic
74	802.11ax HE20	169	5635.40	56.37	68.20	-11.83	V	Peak	Pass	Partial 106/53	Band Edge
	802.11ax HE20	169	-	-	-	-	-	-	-	Partial 106/53	Harmonic
75	802.11ax HE20	177	5895.25	87.93	90.02	-2.09	H	Avg.	Pass	Partial 26/8	Band Edge
	802.11ax HE20	177	-	-	-	-	-	-	-	Partial 26/8	Harmonic
76	802.11ax HE20	177	5895.25	87.30	90.02	-2.72	H	Avg.	Pass	Partial 52/40	Band Edge
	802.11ax HE20	177	-	-	-	-	-	-	-	Partial 52/40	Harmonic
77	802.11ax HE20	177	5895.25	88.39	90.02	-1.63	H	Avg.	Pass	Partial 106/54	Band Edge
	802.11ax HE20	177	-	-	-	-	-	-	-	Partial 106/54	Harmonic
78	LF	177	713.85	38.79	46.00	-7.21	V	Peak	Pass	-	LF
79	SHF	177	31497.00	42.41	74.00	-31.59	V	Peak	Pass	-	SHF

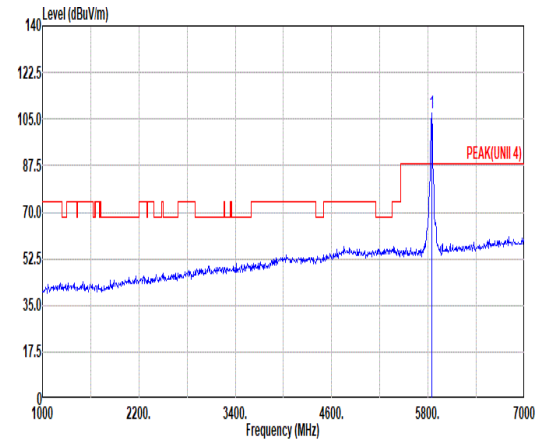
Mode	43	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5608.26	55.24	68.20	-12.96	44.20	33.08	11.24	33.28	0.00	100	285	PEAK
2	5650.15	53.29	68.31	-15.02	42.39	33.00	11.22	33.32	0.00	100	285	PEAK
3	5706.79	55.44	107.10	-51.66	44.25	33.37	11.20	33.38	0.00	100	285	PEAK
4	5720.07	54.33	110.95	-56.62	43.03	33.50	11.19	33.39	0.00	100	285	PEAK

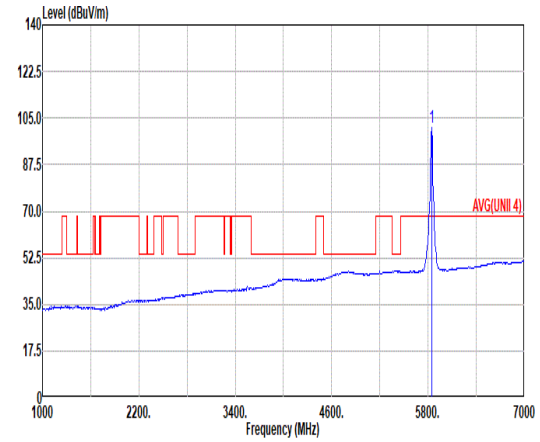


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	107.45	------	------	95.56	34.10	11.30	33.51	0.00	100	285	PEAK

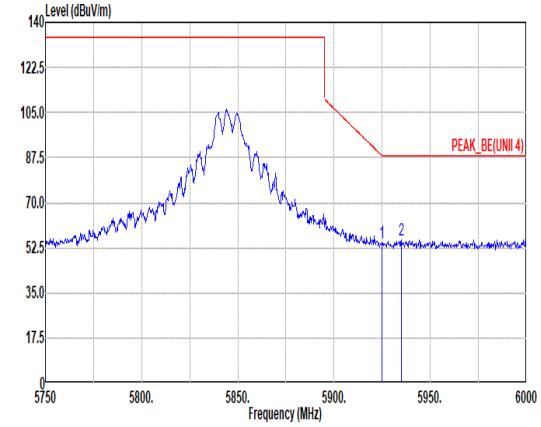
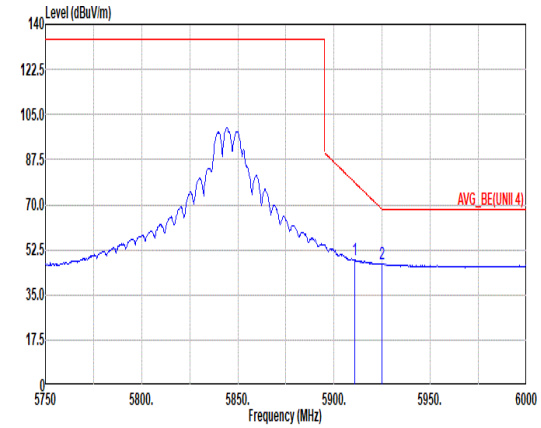
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

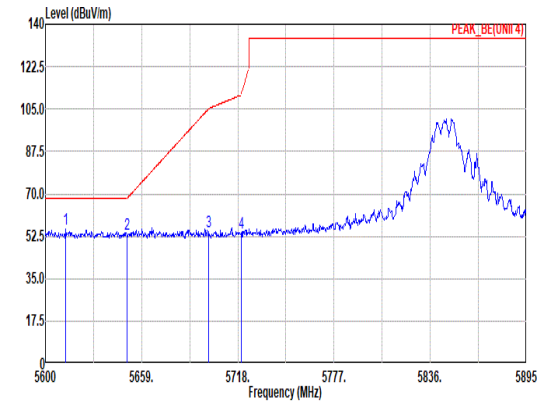
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5845.00	101.34	------	------	89.45	34.10	11.30	33.51	0.00	100	285	AVERAGE

Mode	43	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5925.00 54.67 88.20 -33.53 42.35 34.35 11.57 33.60 0.00 100 285 PEAK 2 5935.00 55.54 88.20 -32.66 43.17 34.37 11.60 33.60 0.00 100 285 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5910.75 48.49 78.64 -30.15 36.23 34.32 11.52 33.58 0.00 100 285 Average 2 5925.00 47.15 68.20 -21.05 34.82 34.35 11.57 33.59 0.00 100 285 AVERAGE	Blank

Mode	43
	Band Edge - L
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz
ANT	4+3

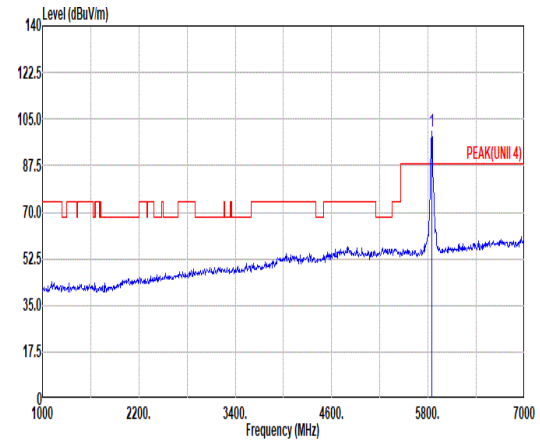
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5612.39	55.33	68.20	-12.87	44.29	33.08	11.24	33.28	0.00	365	0	PEAK
2	5650.15	53.16	68.31	-15.15	42.26	33.00	11.22	33.32	0.00	365	0	PEAK
3	5700.30	54.39	105.28	-50.89	43.26	33.30	11.20	33.37	0.00	365	0	PEAK
4	5720.07	53.75	110.95	-57.20	42.45	33.50	11.19	33.39	0.00	365	0	PEAK

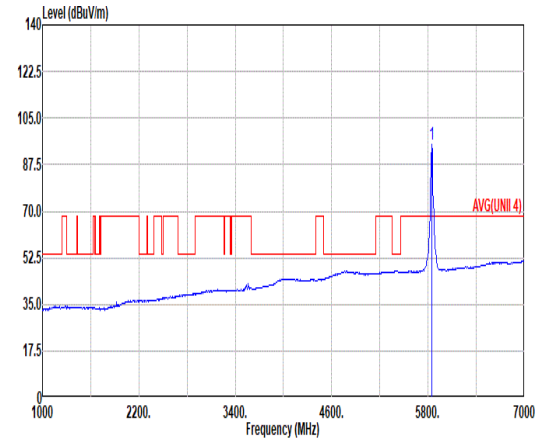


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	100.54	------	------	88.64	34.10	11.32	33.52	0.00	365	0	PEAK

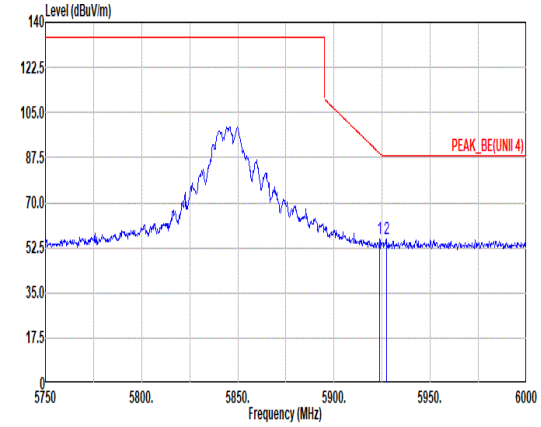
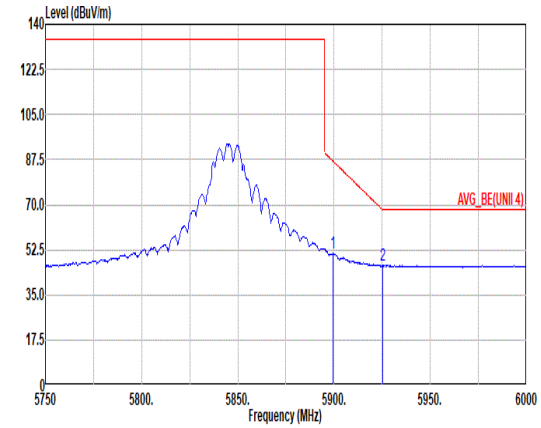
Avg.

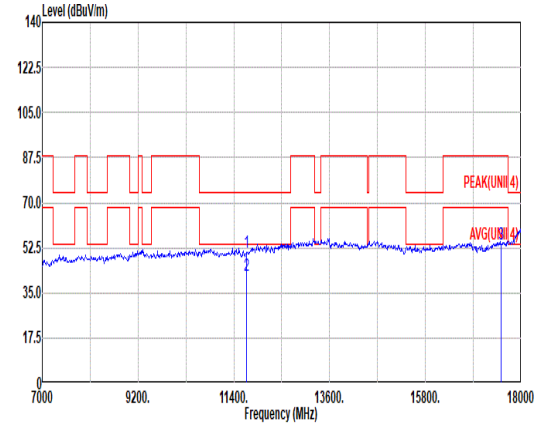
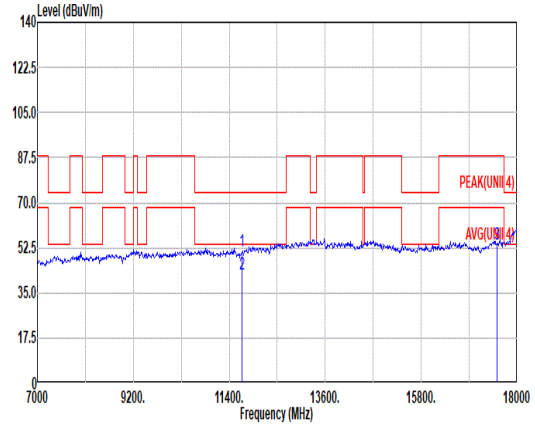
Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5845.00	95.12	------	------	83.22	34.10	11.32	33.52	0.00	365	0	AVERAGE

Mode	43	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5923.75 55.83 89.11 -33.28 43.51 34.35 11.56 33.59 0.00 365 0 PEAK 2 5927.25 55.87 88.20 -32.33 43.55 34.35 11.57 33.60 0.00 365 0 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5899.50 51.08 86.89 -35.81 38.87 34.30 11.48 33.57 0.00 365 0 Average 2 5925.25 46.53 68.20 -21.67 34.21 34.35 11.57 33.60 0.00 365 0 AVERAGE	Blank

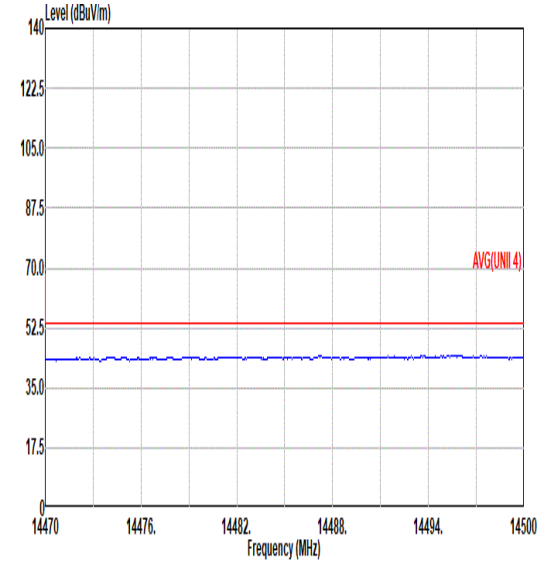
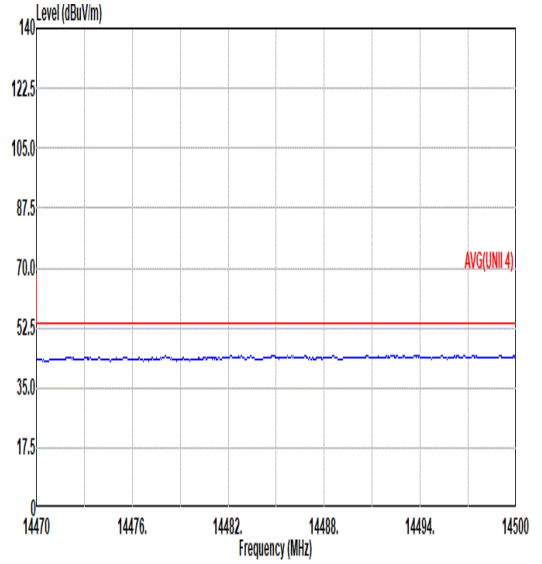
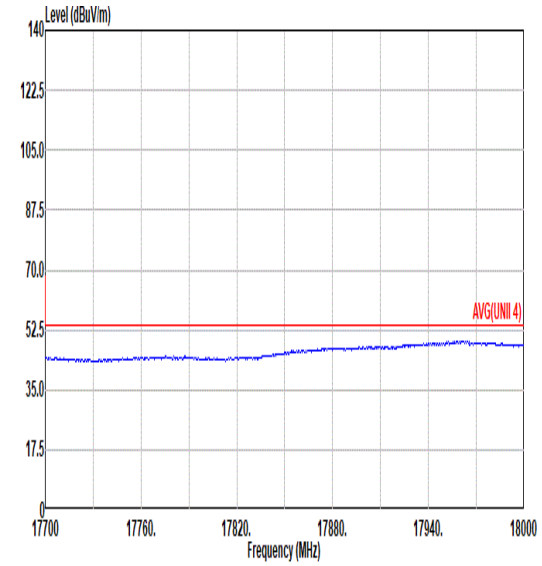
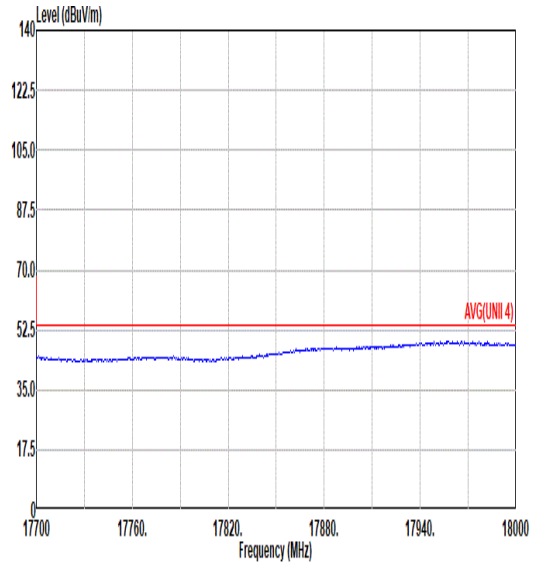
Mode	43	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
Peak Avg.		

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	11690.00	50.72	74.00	-23.28	59.33	38.76	18.79	66.47	0.31	176	97	PEAK
2	11690.00	41.69	54.00	-12.31	50.30	38.76	18.79	66.47	0.31	176	97	Average
3	17535.00	54.13	88.20	-34.07	59.32	38.88	23.27	67.91	0.57	--	--	PEAK

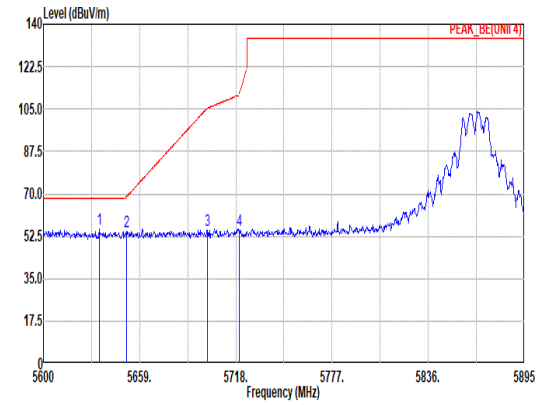
Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

	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	11690.00	51.46	74.00	-22.54	60.07	38.76	18.79	66.47	0.31	231	124	PEAK
2	11690.00	42.51	54.00	-11.49	51.12	38.76	18.79	66.47	0.31	231	124	Average
3	17535.00	54.14	88.20	-34.06	59.33	38.88	23.27	67.91	0.57	--	--	PEAK

Mode	43	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

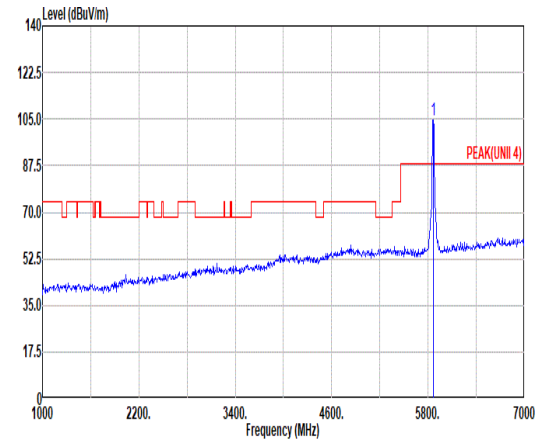
Mode	44	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5634.22	55.33	68.20	-12.87	44.37	33.03	11.23	33.30	0.00	300	241	PEAK
2	5651.04	54.27	68.97	-14.70	43.36	33.01	11.22	33.32	0.00	300	241	PEAK
3	5700.60	55.18	105.37	-50.19	44.04	33.31	11.20	33.37	0.00	300	241	PEAK
4	5720.07	54.70	110.95	-56.25	43.40	33.50	11.19	33.39	0.00	300	241	PEAK

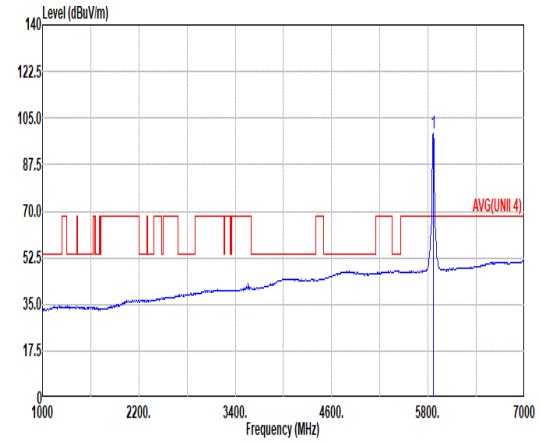


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5865.00	104.44	------	------	92.48	34.14	11.35	33.53	0.00	300	241	PEAK

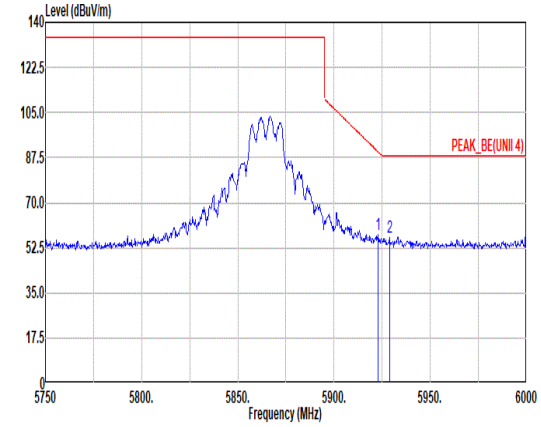
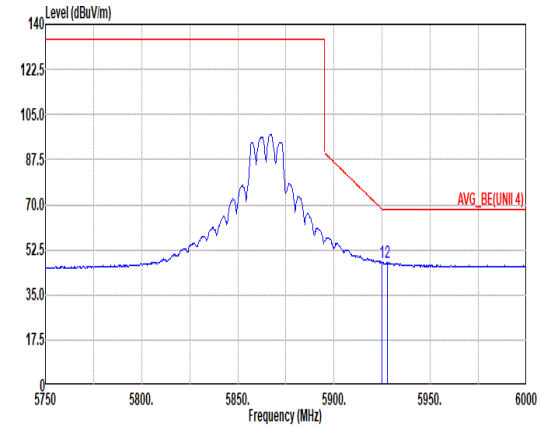
Avg.

Blank



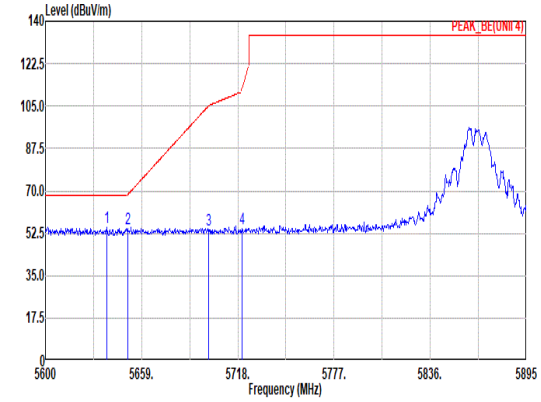
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5865.00	99.16	------	------	87.17	34.16	11.37	33.54	0.00	300	241	AVERAGE

Mode	44	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5923.00 57.81 89.66 -31.85 45.49 34.35 11.56 33.59 0.00 300 241 PEAK 2 5928.75 56.75 88.20 -31.45 44.41 34.36 11.58 33.60 0.00 300 241 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5924.75 47.60 68.38 -20.78 35.27 34.35 11.57 33.59 0.00 300 241 AVERAGE 2 5927.75 47.60 68.20 -20.60 35.26 34.36 11.58 33.60 0.00 300 241 AVERAGE	Blank

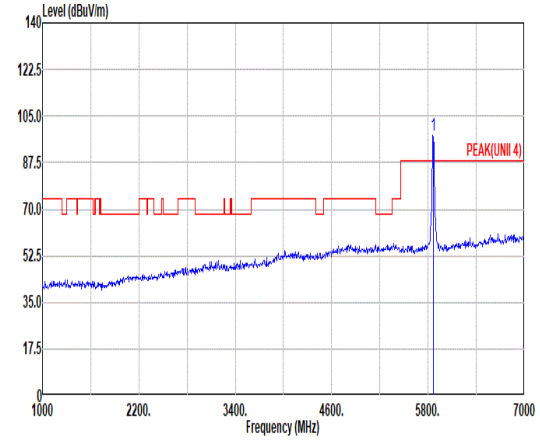
Mode	44	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	4+3	
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5637.47	54.72	68.20	-13.48	43.77	33.03	11.23	33.31	0.00	253	0	PEAK
2	5650.45	54.29	68.53	-14.24	43.39	33.00	11.22	33.32	0.00	253	0	PEAK
3	5700.01	54.01	105.20	-51.19	42.88	33.30	11.20	33.37	0.00	253	0	PEAK
4	5720.36	54.25	111.62	-57.37	42.95	33.50	11.19	33.39	0.00	253	0	PEAK

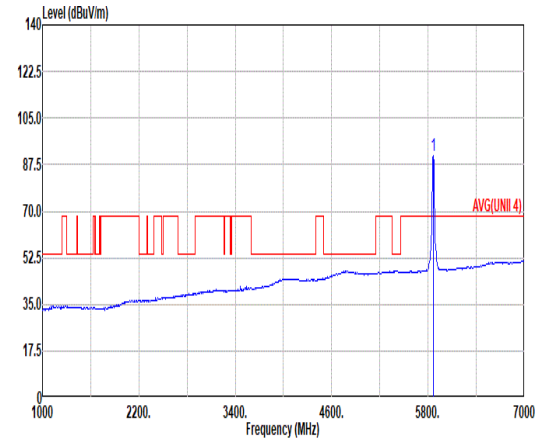


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5865.00	97.67	------	------	85.71	34.14	11.35	33.53	0.00	253	0	PEAK

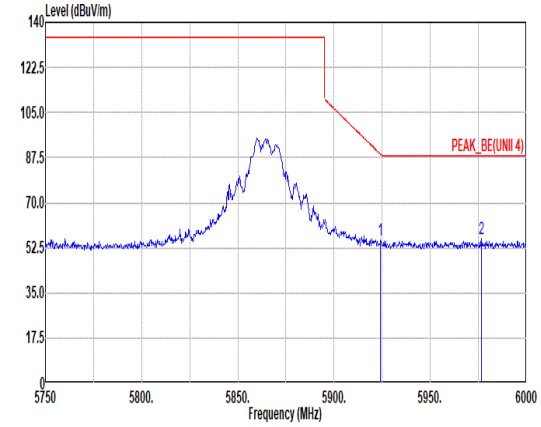
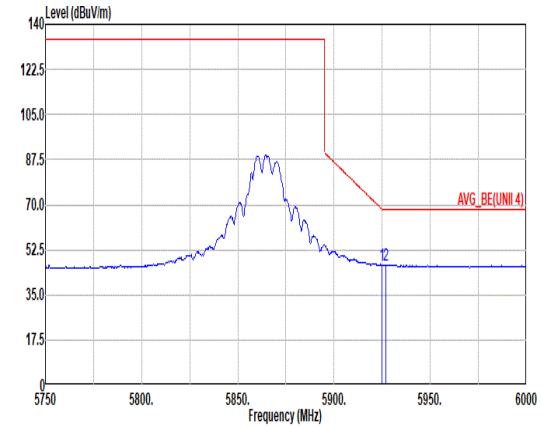
Avg.

Blank

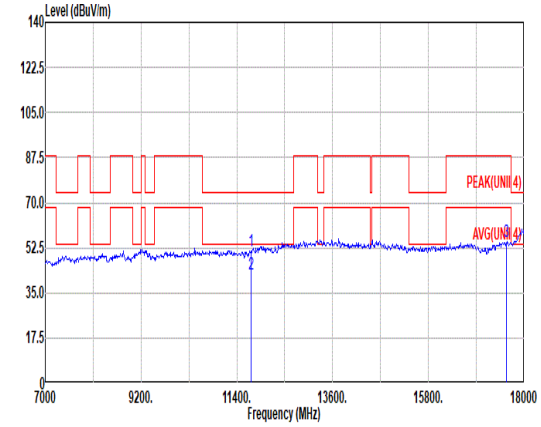
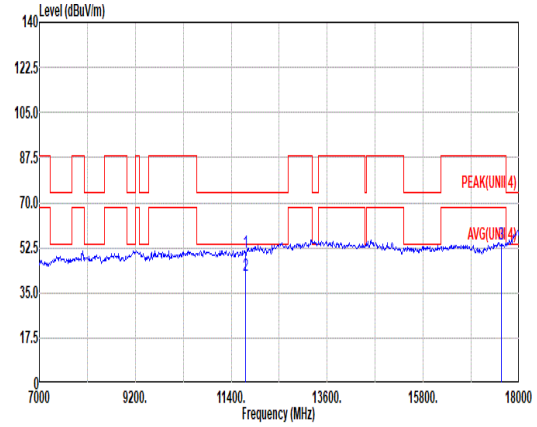


Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5865.00	90.70	------	------	78.71	34.16	11.37	33.54	0.00	253	0	AVERAGE

Mode	44	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5924.25 55.52 88.75 -33.23 43.20 34.35 11.56 33.59 0.00 253 0 PEAK 2 5976.75 56.09 88.20 -32.11 43.72 34.29 11.73 33.65 0.00 253 0 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5925.00 46.46 68.20 -21.74 34.14 34.35 11.57 33.60 0.00 253 0 AVERAGE 2 5926.75 46.67 68.20 -21.53 34.35 34.35 11.57 33.60 0.00 253 0 AVERAGE	Blank

Mode	44
	Harmonic
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz
ANT	4+3

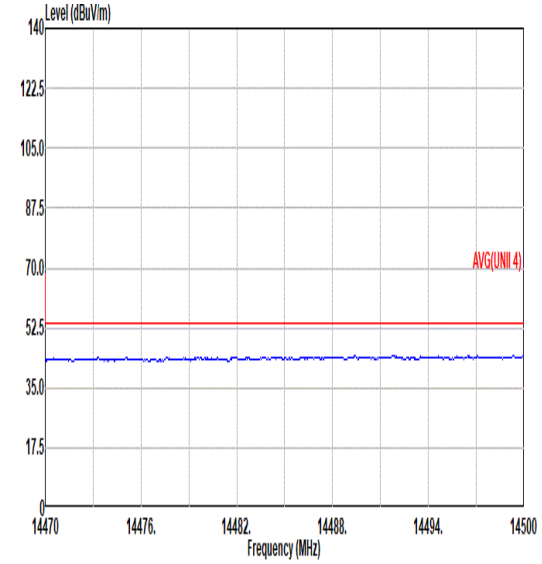
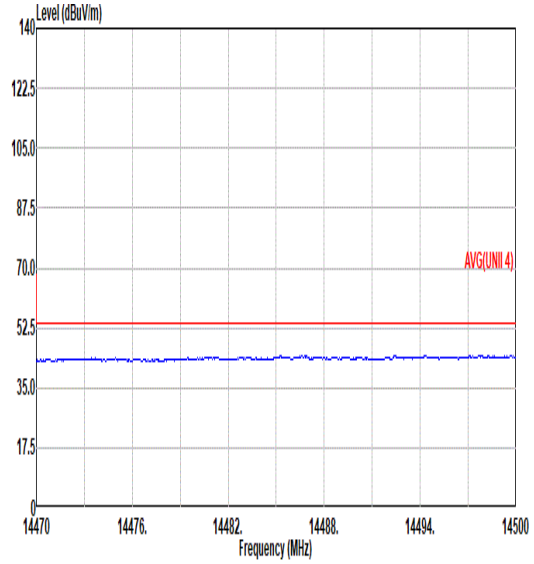
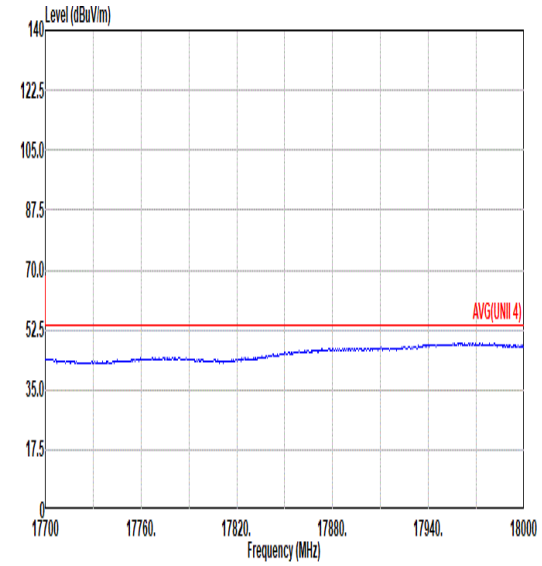
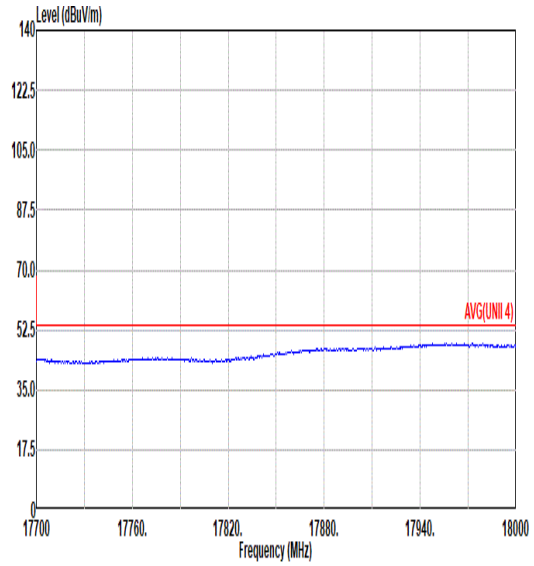
Pol.	Horizontal	Vertical
Peak Avg.		

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	11730.00	51.21	74.00	-22.79	59.69	38.80	18.87	66.46	0.31	211	73	PEAK
2	11730.00	42.21	54.00	-11.79	50.69	38.80	18.87	66.46	0.31	211	73	Average
3	17595.00	54.70	88.20	-33.50	59.73	39.09	23.34	68.04	0.58	--	--	PEAK

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

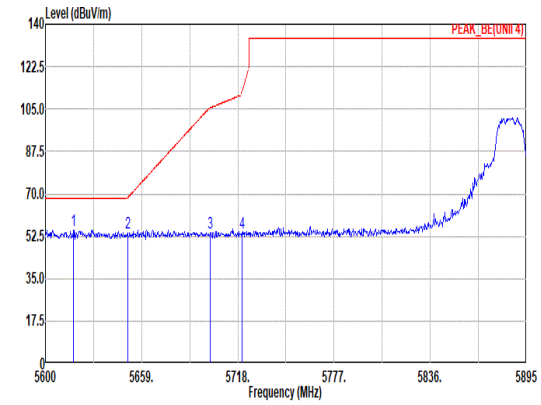
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11730.00	50.65	74.00	-23.35	59.13	38.80	18.87	66.46	0.31	177	46	PEAK
2	11730.00	41.65	54.00	-12.35	50.13	38.80	18.87	66.46	0.31	177	46	Average
3	17595.00	53.93	88.20	-34.27	58.96	39.09	23.34	68.04	0.58	--	--	PEAK

Mode	44	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

Mode	45
	Band Edge - L
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz
ANT	4+3

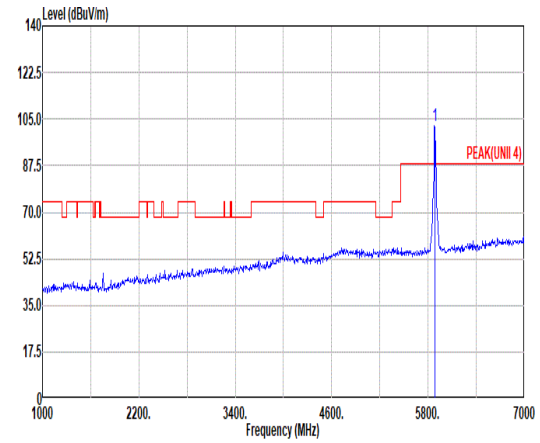
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5617.11	55.12	68.20	-13.08	44.11	33.07	11.23	33.29	0.00	206	360	PEAK
2	5650.45	53.91	68.53	-14.62	43.01	33.00	11.22	33.32	0.00	206	360	PEAK
3	5701.19	53.86	105.53	-51.67	42.72	33.31	11.20	33.37	0.00	206	360	PEAK
4	5720.36	53.67	111.62	-57.95	42.37	33.50	11.19	33.39	0.00	206	360	PEAK

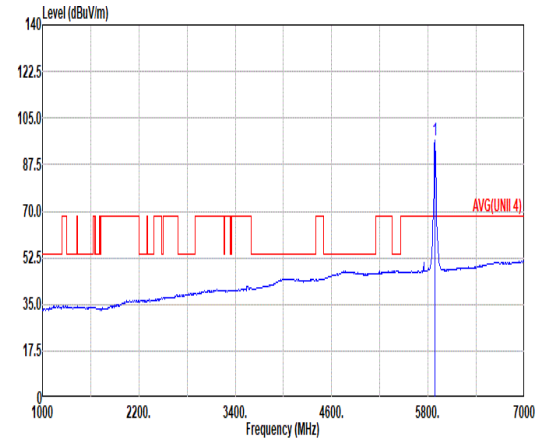


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5885.00	102.30	------	------	90.23	34.21	11.41	33.55	0.00	206	360	PEAK

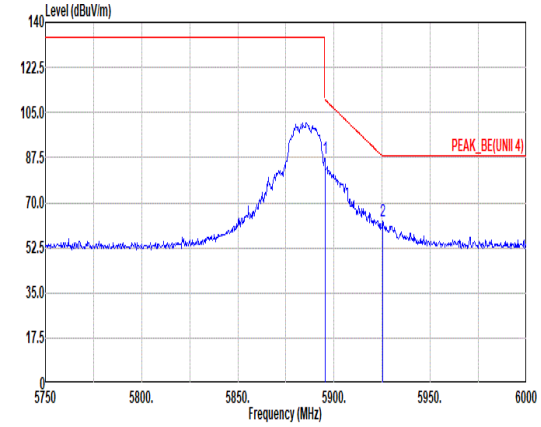
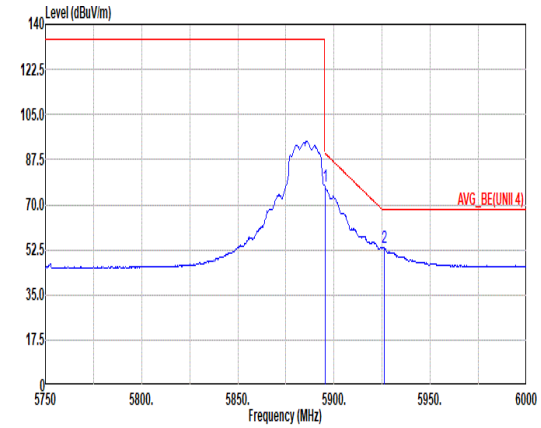
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

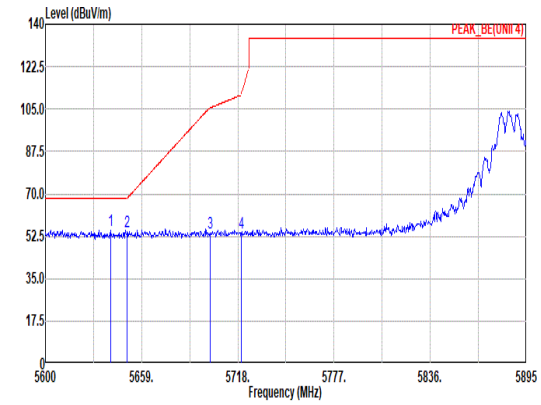
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5885.00	96.47	------	------	84.35	34.24	11.43	33.55	0.00	206	360	AVERAGE

Mode	45	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5895.25 87.04 110.02 -22.98 74.86 34.28 11.47 33.57 0.00 206 360 PEAK 2 5925.25 62.62 88.20 -25.58 50.30 34.35 11.57 33.60 0.00 206 360 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5895.25 77.24 90.02 -12.78 65.06 34.28 11.47 33.57 0.00 206 360 AVERAGE 2 5926.00 53.28 68.20 -14.92 40.96 34.35 11.57 33.60 0.00 206 360 AVERAGE	Blank

Mode	45
	Band Edge - L
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz
ANT	4+3

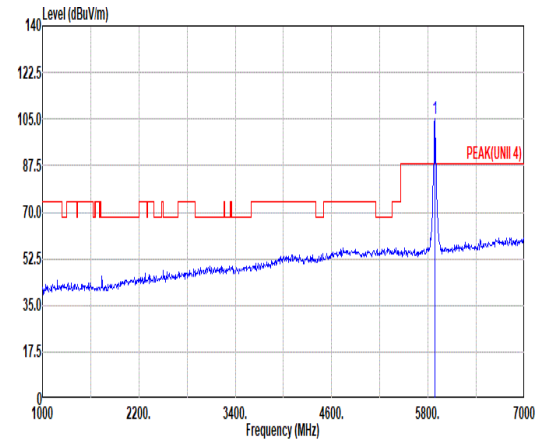
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5639.83	55.16	68.20	-13.04	44.23	33.02	11.22	33.31	0.00	200	25	PEAK
2	5650.15	54.33	68.31	-13.98	43.43	33.00	11.22	33.32	0.00	200	25	PEAK
3	5701.19	54.02	105.53	-51.51	42.88	33.31	11.20	33.37	0.00	200	25	PEAK
4	5720.07	53.80	110.95	-57.15	42.50	33.50	11.19	33.39	0.00	200	25	PEAK

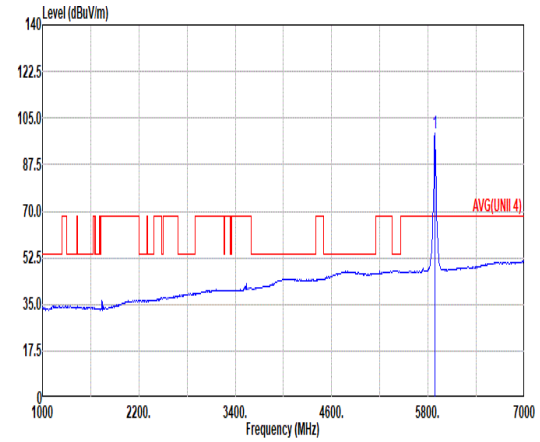


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5885.00	104.89	------	------	92.77	34.24	11.43	33.55	0.00	200	25	PEAK

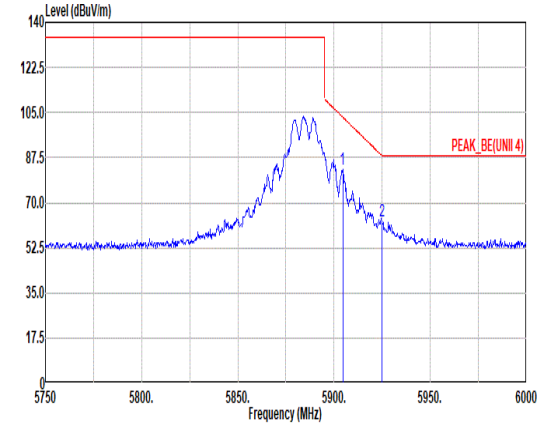
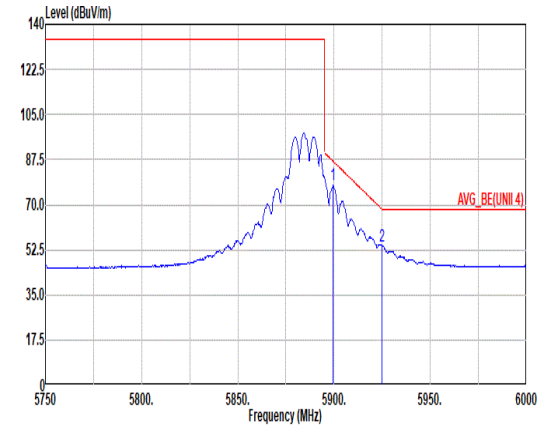
Avg.

Blank

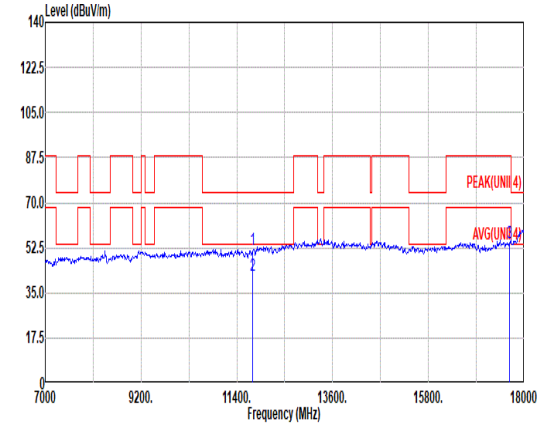
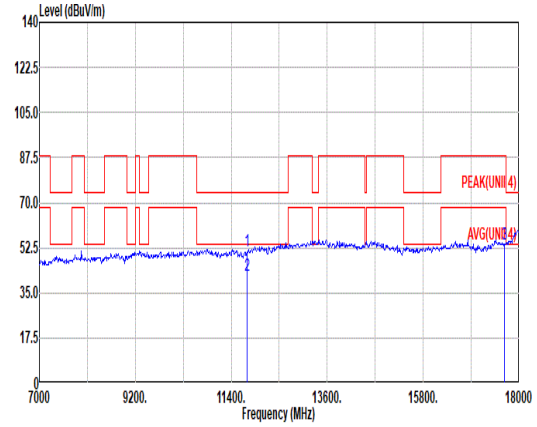


Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5885.00	99.23	------	------	87.11	34.24	11.43	33.55	0.00	200	25	AVERAGE

Mode	45	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5904.50 83.01 103.22 -20.21 70.77 34.31 11.50 33.57 0.00 200 25 PEAK 2 5925.00 63.09 88.20 -25.11 50.77 34.35 11.57 33.60 0.00 200 25 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5899.50 77.57 86.89 -9.32 65.36 34.30 11.48 33.57 0.00 200 25 AVERAGE 2 5925.00 54.11 68.20 -14.09 41.79 34.35 11.57 33.60 0.00 200 25 AVERAGE	Blank

Mode	45
	Harmonic
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz
ANT	4+3

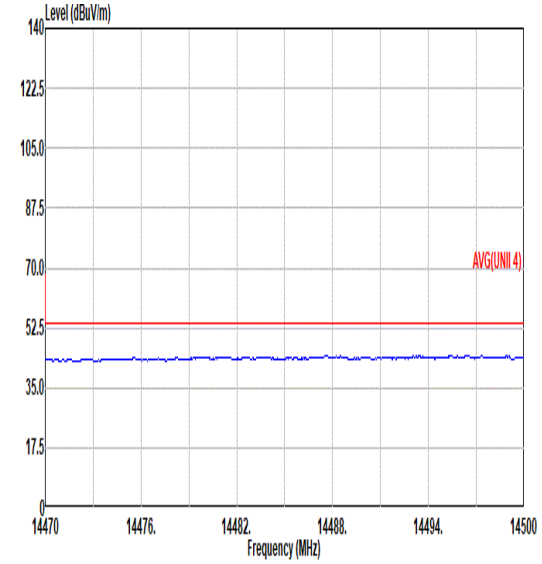
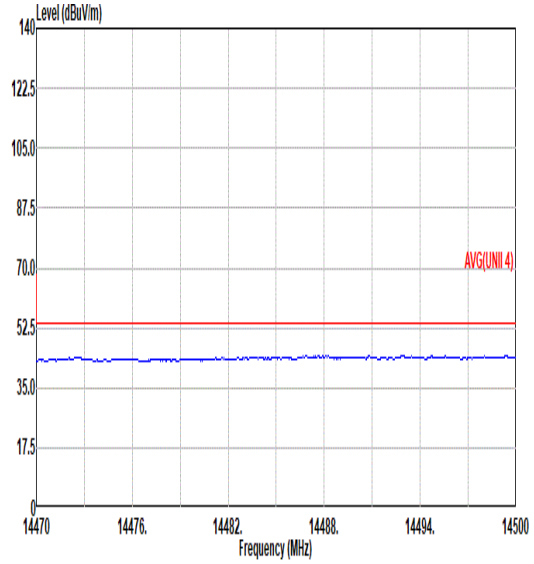
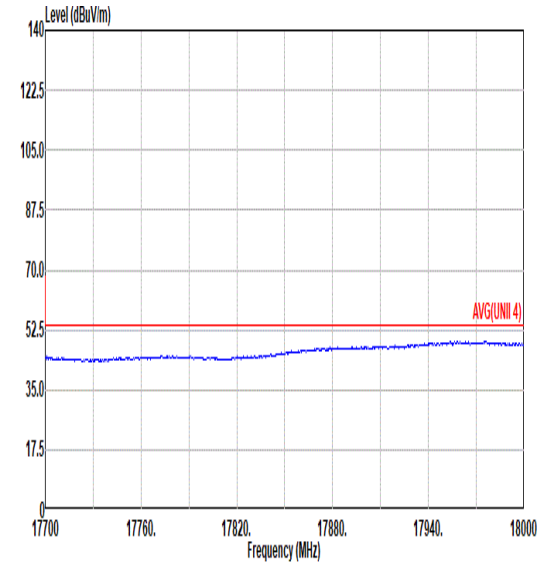
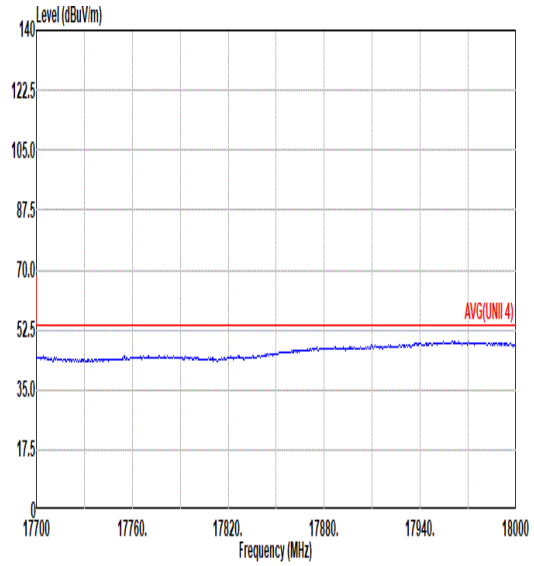
Pol.	Horizontal	Vertical
Peak Avg.		

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	11770.00	51.71	74.00	-22.29	60.12	38.76	18.96	66.44	0.31	135	26	PEAK
2	11770.00	41.89	54.00	-12.11	50.30	38.76	18.96	66.44	0.31	135	26	Average
3	17655.00	54.18	88.20	-34.02	58.90	39.46	23.42	68.18	0.58	--	--	PEAK

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

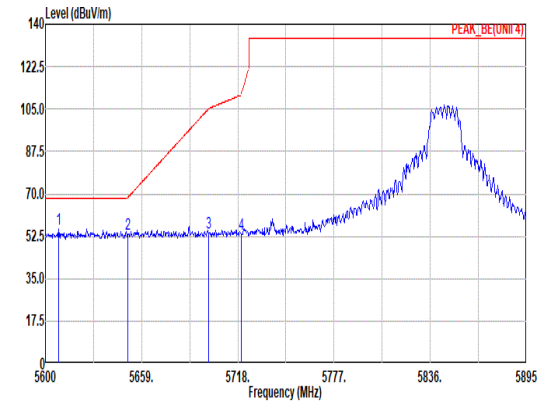
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11770.00	51.29	74.00	-22.71	59.70	38.76	18.96	66.44	0.31	205	162	PEAK
2	11770.00	41.79	54.00	-12.21	50.20	38.76	18.96	66.44	0.31	205	162	Average
3	17655.00	53.86	88.20	-34.34	58.58	39.46	23.42	68.18	0.58	--	--	PEAK

Mode	45	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

Mode	46
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Full RU_5845MHz
ANT	4+3

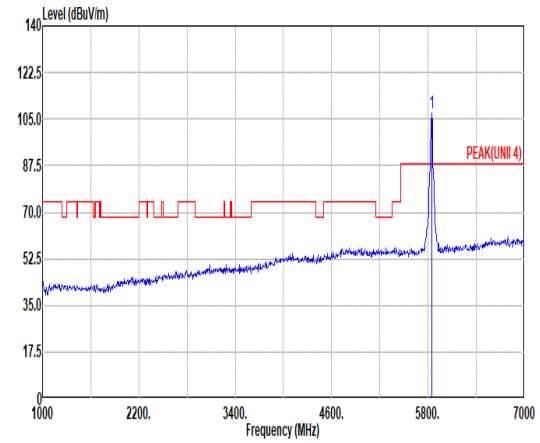
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5608.26	55.55	68.20	-12.65	44.47	33.12	11.24	33.28	0.00	400	217	PEAK
2	5650.45	53.29	68.53	-15.24	42.19	33.20	11.22	33.32	0.00	400	217	PEAK
3	5700.30	54.03	105.28	-51.25	42.60	33.60	11.20	33.37	0.00	400	217	PEAK
4	5720.07	53.33	110.95	-57.62	41.85	33.68	11.19	33.39	0.00	400	217	PEAK

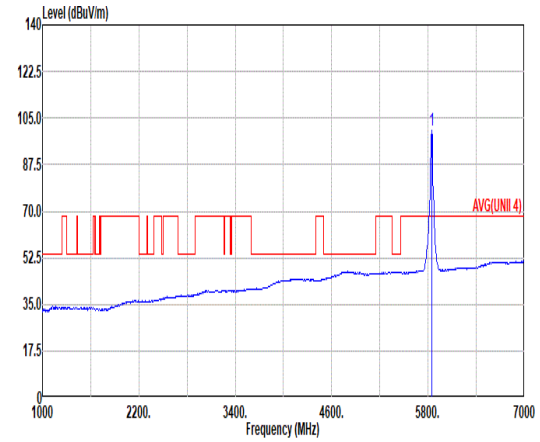


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	107.10	------	------	95.20	34.10	11.32	33.52	0.00	400	217	PEAK

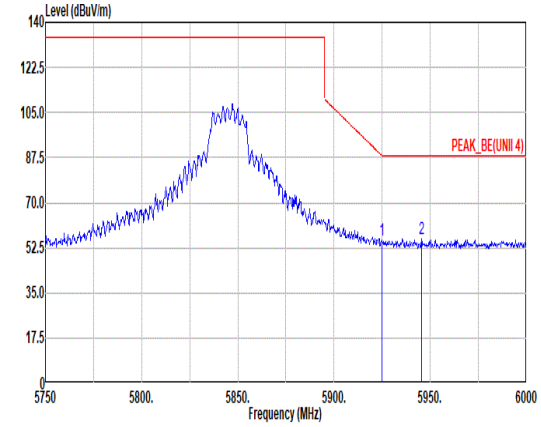
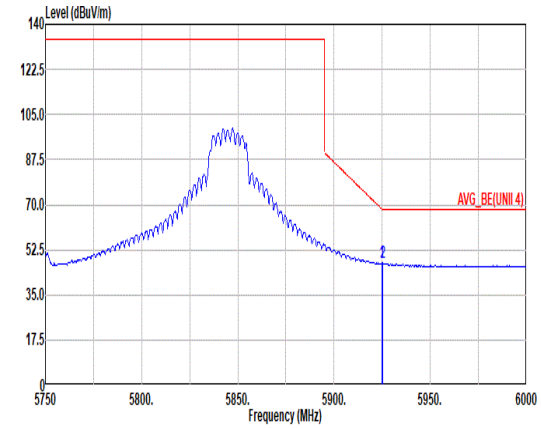
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

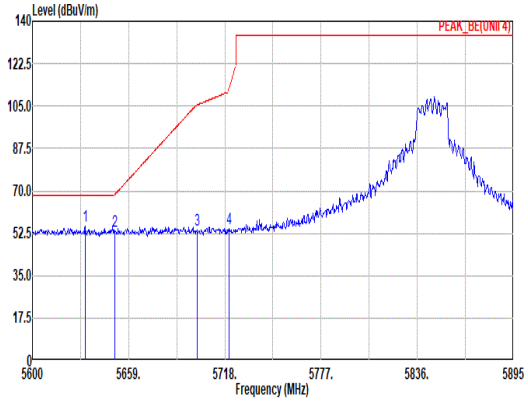
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5845.00	100.57	------	------	88.67	34.10	11.32	33.52	0.00	400	217	AVERAGE

Mode	46	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Full RU_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.75 55.63 88.38 -32.75 43.35 34.30 11.57 33.59 0.00 400 217 PEAK 2 5945.50 55.90 88.20 -32.30 43.59 34.30 11.63 33.62 0.00 400 217 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5924.75 47.50 68.38 -20.88 35.22 34.30 11.57 33.59 0.00 400 217 AVERAGE 2 5925.25 47.45 68.20 -20.75 35.18 34.30 11.57 33.60 0.00 400 217 AVERAGE	Blank

Mode	46
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Full RU_5845MHz
ANT	4+3

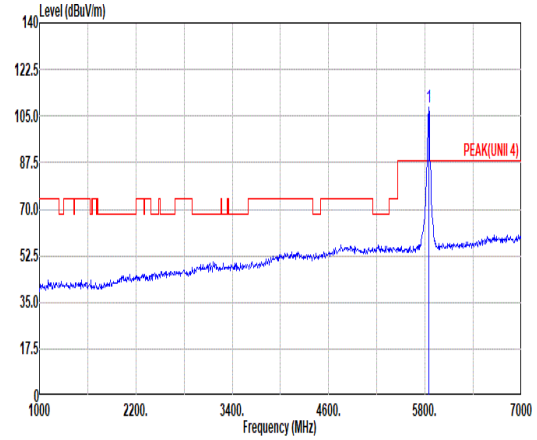
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5632.45	55.58	68.20	-12.62	44.49	33.16	11.23	33.30	0.00	300	201	PEAK
2	5650.45	53.38	68.53	-15.15	42.28	33.20	11.22	33.32	0.00	300	201	PEAK
3	5701.19	53.76	105.53	-51.77	42.33	33.60	11.20	33.37	0.00	300	201	PEAK
4	5720.36	54.16	111.62	-57.46	42.68	33.68	11.19	33.39	0.00	300	201	PEAK

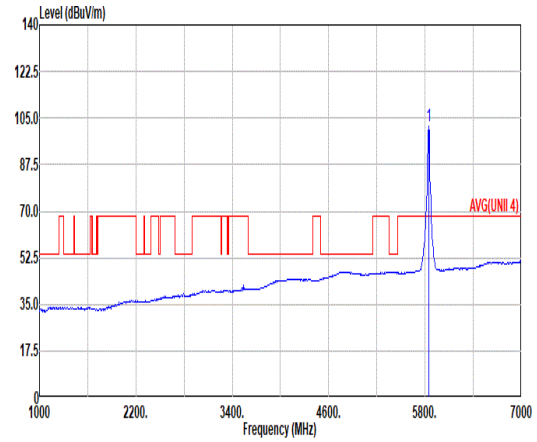


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	108.51	------	------	96.61	34.10	11.32	33.52	0.00	300	201	PEAK

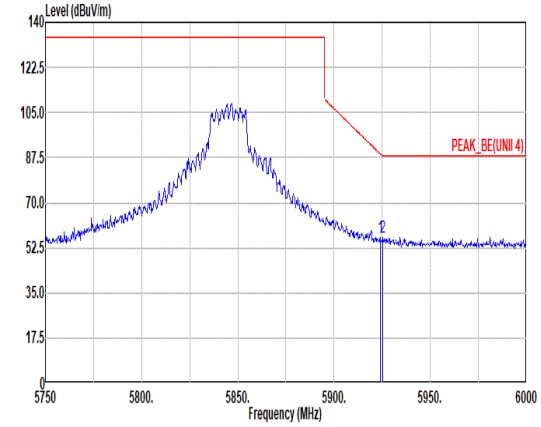
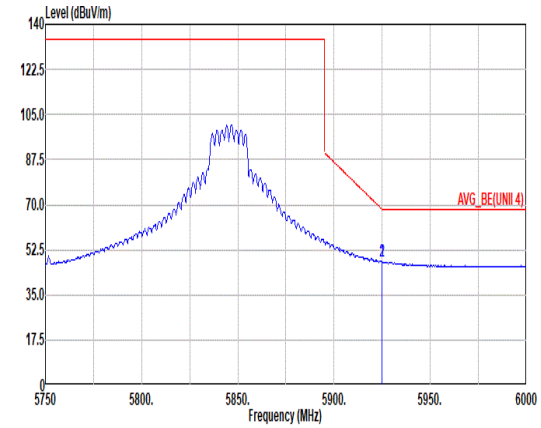
Avg.

Blank

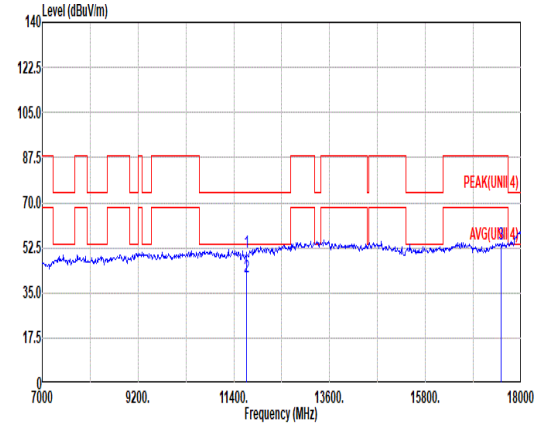
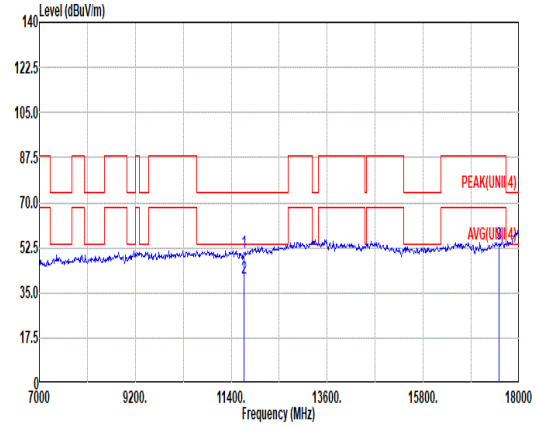


Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5845.00	101.76	------	------	89.86	34.10	11.32	33.52	0.00	300	201	AVERAGE

Mode	46	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Full RU_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.00 56.67 88.93 -32.26 44.40 34.30 11.56 33.59 0.00 300 201 PEAK 2 5925.25 56.39 88.20 -31.81 44.12 34.30 11.57 33.60 0.00 300 201 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5925.00 48.07 68.20 -20.13 35.80 34.30 11.57 33.60 0.00 300 201 AVERAGE 2 5925.00 48.07 68.20 -20.13 35.80 34.30 11.57 33.60 0.00 300 201 AVERAGE	Blank

Mode	46
	Harmonic
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Full RU_5845MHz
ANT	4+3

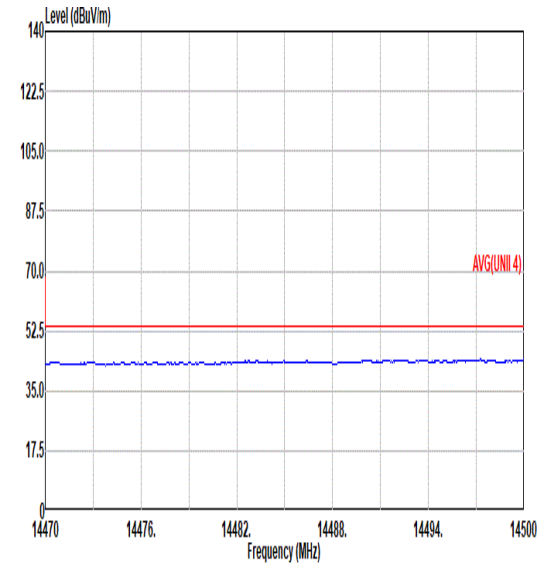
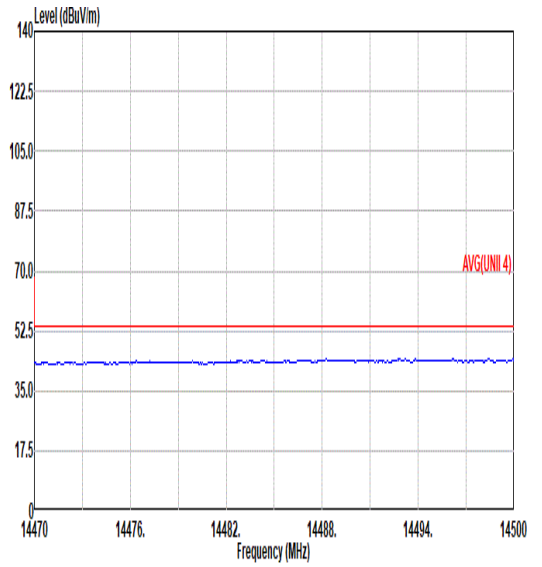
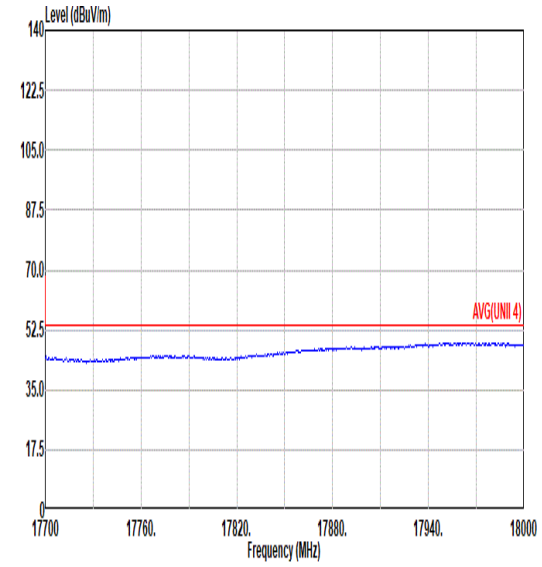
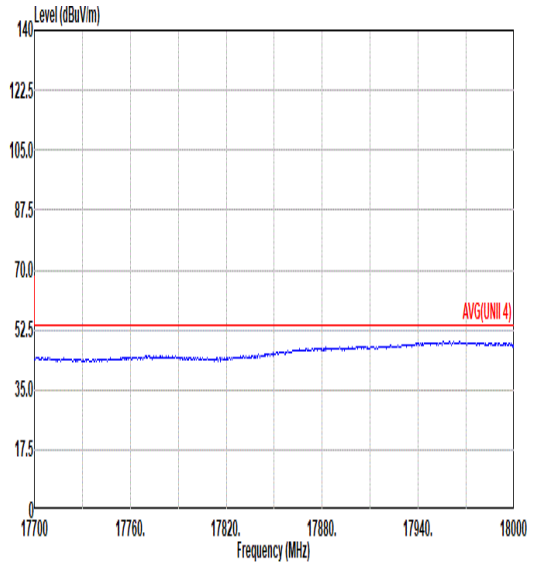
Pol.	Horizontal	Vertical
Peak Avg.		

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	11690.00	50.85	74.00	-23.15	59.46	38.76	18.79	66.47	0.31	133	26	PEAK
2	11690.00	41.10	54.00	-12.90	49.71	38.76	18.79	66.47	0.31	133	26	Average
3	17535.00	54.08	88.20	-34.12	59.27	38.88	23.27	67.91	0.57	--	--	PEAK

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

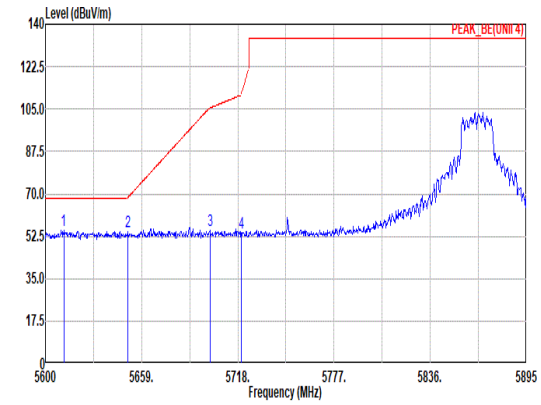
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11690.00	50.59	74.00	-23.41	59.20	38.76	18.79	66.47	0.31	207	165	PEAK
2	11690.00	40.76	54.00	-13.24	49.37	38.76	18.79	66.47	0.31	207	165	Average
3	17535.00	53.88	88.20	-34.32	59.07	38.88	23.27	67.91	0.57	--	--	PEAK

Mode	46	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Full RU_5845MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

Mode	47
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH173_Full RU_5865MHz
ANT	4+3

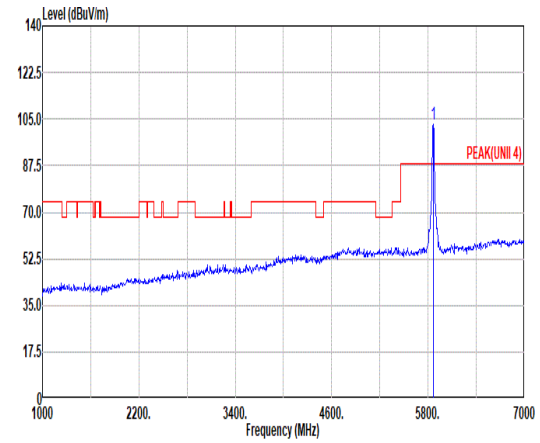
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5611.21	54.88	68.20	-13.32	43.80	33.12	11.24	33.28	0.00	296	360	PEAK
2	5650.45	54.38	68.53	-14.15	43.28	33.20	11.22	33.32	0.00	296	360	PEAK
3	5700.89	54.84	105.45	-50.61	43.41	33.60	11.20	33.37	0.00	296	360	PEAK
4	5720.07	54.14	110.95	-56.81	42.66	33.68	11.19	33.39	0.00	296	360	PEAK

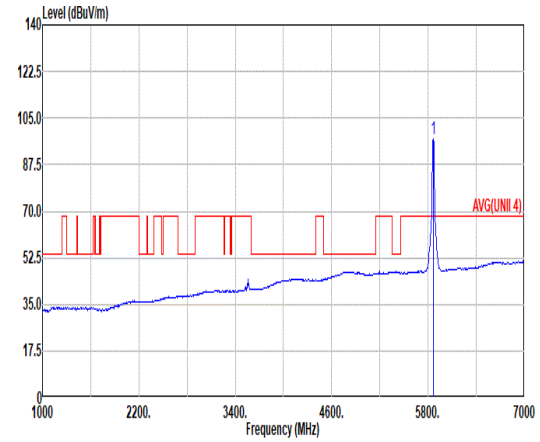


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5865.00	103.16	------	------	91.17	34.16	11.37	33.54	0.00	296	360	PEAK

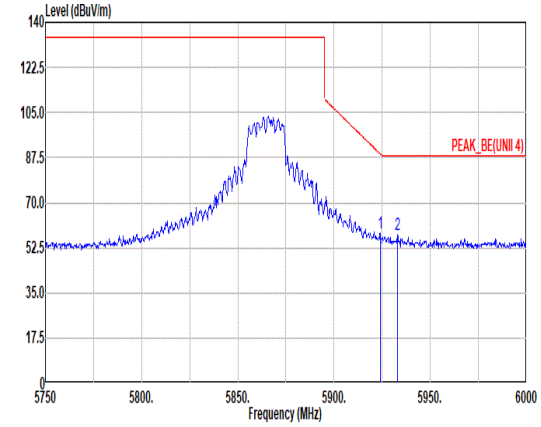
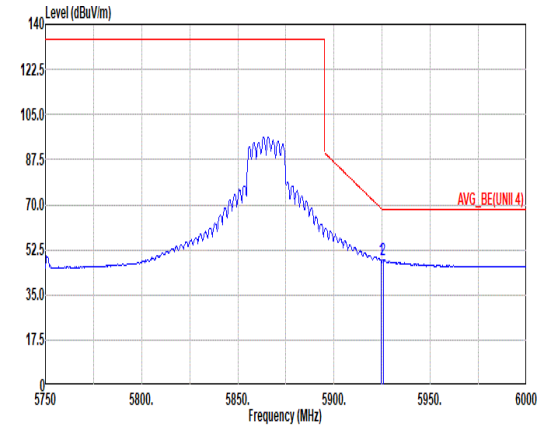
Avg.

Blank

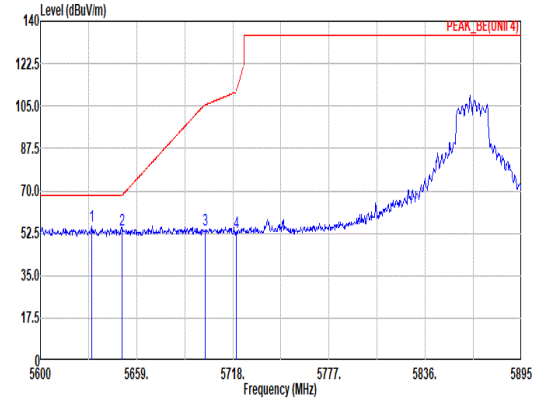
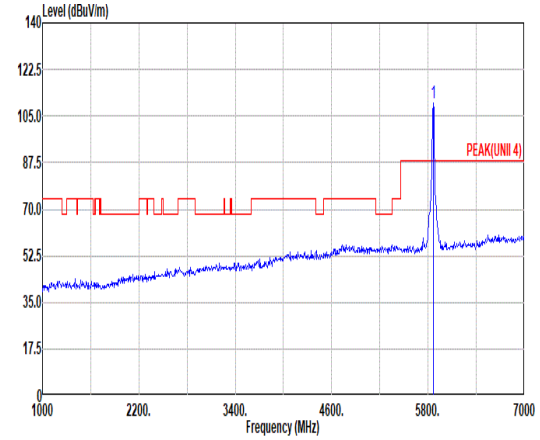
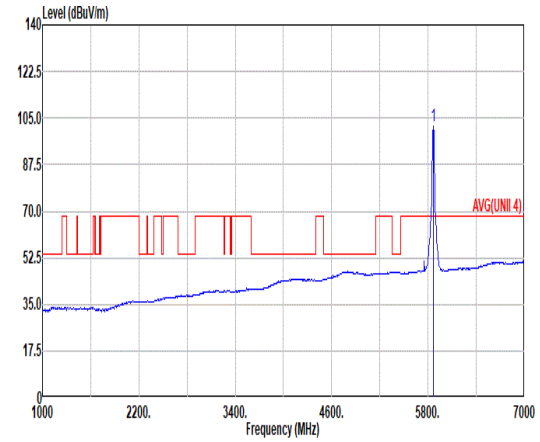


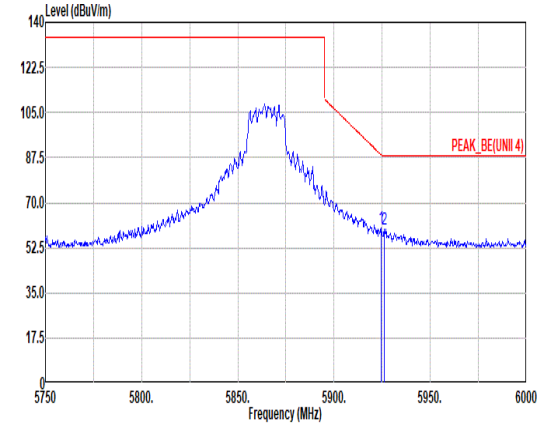
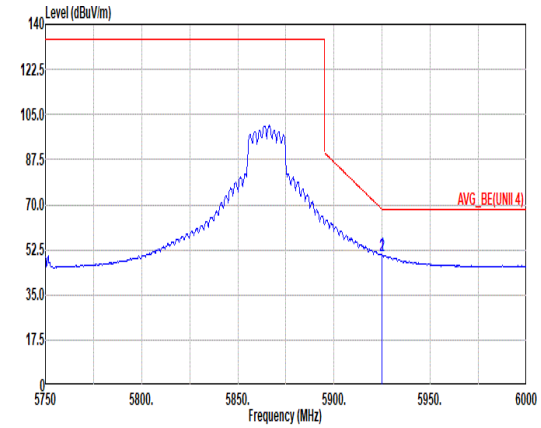
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5865.00	97.29	------	------	85.30	34.16	11.37	33.54	0.00	296	360	AVERAGE

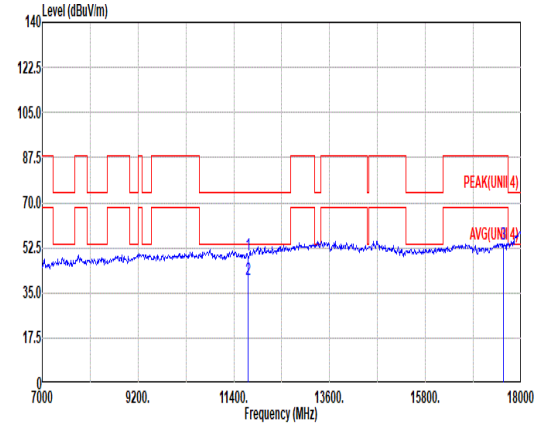
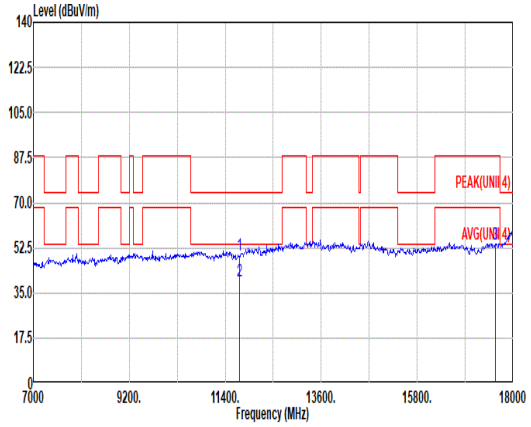
Mode	47	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH173_Full RU_5865MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq / Level / Limit Line / Margin / Read Level / Ant Factor / Cable Loss / Preamp Factor / Aux Factor / APos / TPos / Remark MHz / dBuV/m / dBuV/m / dB / dBuV / dB/m / dB / dB / dB / cm / deg 1 5924.00 58.17 88.93 -30.76 45.90 34.30 11.56 33.59 0.00 296 360 PEAK 2 5933.00 57.39 88.20 -30.81 45.10 34.30 11.59 33.60 0.00 296 360 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5924.50 48.58 68.57 -19.99 36.31 34.30 11.56 33.59 0.00 296 360 AVERAGE 2 5925.50 48.59 68.20 -19.61 36.32 34.30 11.57 33.60 0.00 296 360 AVERAGE	Blank

Mode	47
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH173_Full RU_5865MHz
ANT	4+3

Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 1 5631.57 MHz 55.40 dBuV/m 68.20 dB -12.80 44.31 dBuV 33.16 dB/m 11.23 dB 33.30 dB 0.00 dB 300 cm 189 deg PEAK 2 5650.15 MHz 53.83 dBuV/m 68.31 dB -14.48 42.73 dBuV 33.20 dB/m 11.22 dB 33.32 dB 0.00 dB 300 cm 189 deg PEAK 3 5701.19 MHz 53.94 dBuV/m 105.53 dB -51.59 42.51 dBuV 33.60 dB/m 11.20 dB 33.37 dB 0.00 dB 300 cm 189 deg PEAK 4 5720.07 MHz 53.06 dBuV/m 110.95 dB -57.89 41.58 dBuV 33.68 dB/m 11.19 dB 33.39 dB 0.00 dB 300 cm 189 deg PEAK	 Site : 03CH12-HY Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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 1 5865.00 MHz 109.94 dBuV/m ------ dB ------ 97.95 dBuV 34.16 dB/m 11.37 dB 33.54 dB 0.00 dB 300 cm 189 deg PEAK
Avg.	Blank	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 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 1 5865.00 MHz 101.71 dBuV/m ------ dB ------ 89.72 dBuV 34.16 dB/m 11.37 dB 33.54 dB 0.00 dB 300 cm 189 deg AVERAGE

Mode	47	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH173_Full RU_5865MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.50 60.04 88.57 -28.53 47.77 34.30 11.56 33.59 0.00 300 189 PEAK 2 5926.25 59.94 88.20 -28.26 47.67 34.30 11.57 33.60 0.00 300 189 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5924.75 50.68 68.38 -17.70 38.40 34.30 11.57 33.59 0.00 300 189 AVERAGE 2 5925.00 50.40 68.20 -17.80 38.13 34.30 11.57 33.60 0.00 300 189 AVERAGE	Blank

Mode	47
	Harmonic
	U-NII-4_5.85-5.895_802.11ax HE20_CH173_Full RU_5865MHz
ANT	4+3

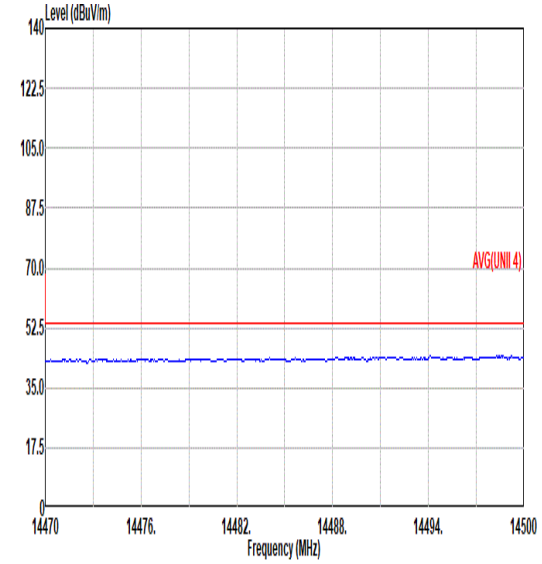
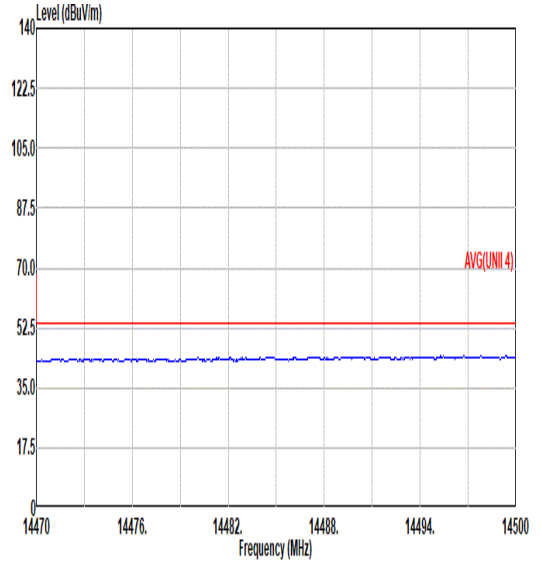
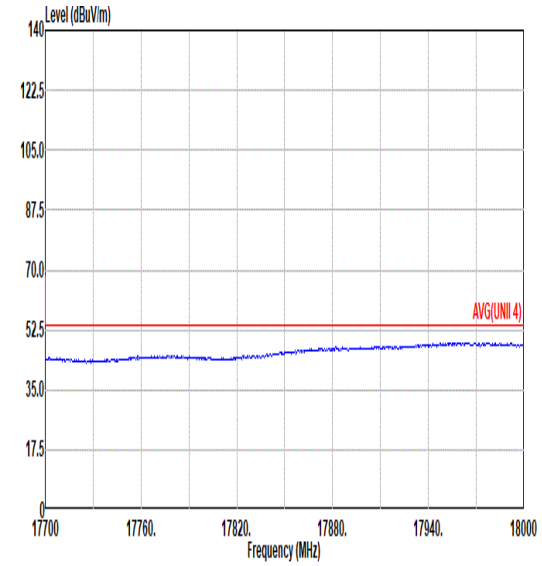
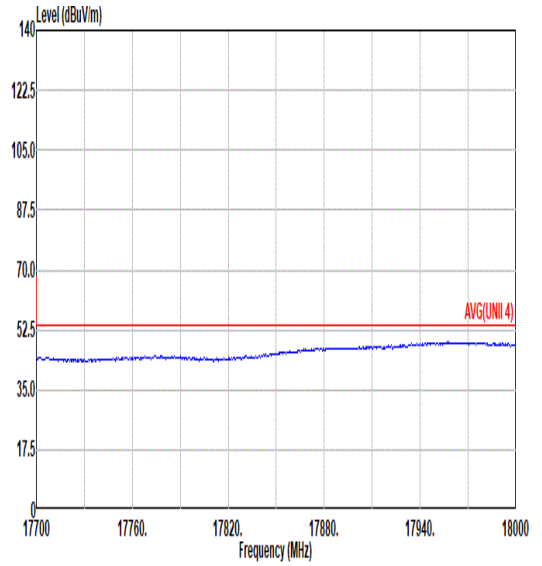
Pol.	Horizontal	Vertical
Peak Avg.		

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	11730.00	49.55	74.00	-24.45	58.03	38.80	18.87	66.46	0.31	135	28	PEAK
2	11730.00	40.04	54.00	-13.96	48.52	38.80	18.87	66.46	0.31	135	28	Average
3	17595.00	53.74	88.20	-34.46	58.77	39.09	23.34	68.04	0.58	--	--	PEAK

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

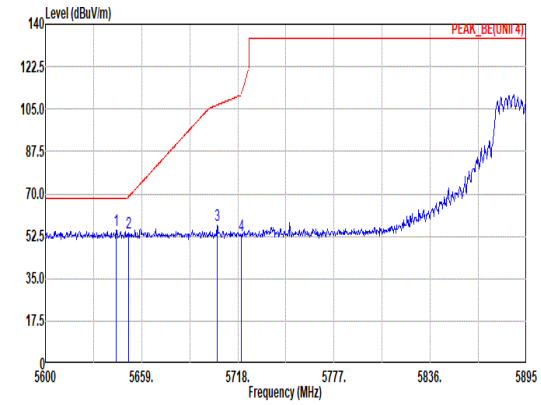
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11730.00	49.47	74.00	-24.53	57.95	38.80	18.87	66.46	0.31	209	166	PEAK
2	11730.00	39.65	54.00	-14.35	48.13	38.80	18.87	66.46	0.31	209	166	Average
3	17595.00	54.03	88.20	-34.17	59.06	39.09	23.34	68.04	0.58	--	--	PEAK

Mode	47	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH173_Full RU_5865MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

Mode	48
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz
ANT	4+3

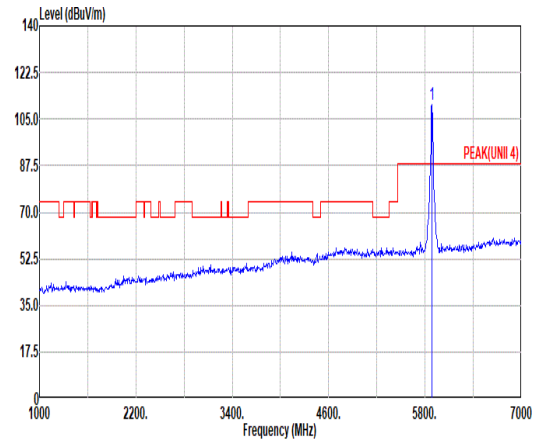
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5643.37	55.05	68.20	-13.15	43.95	33.19	11.22	33.31	0.00	135	27	PEAK
2	5651.04	53.86	68.97	-15.11	42.75	33.21	11.22	33.32	0.00	135	27	PEAK
3	5705.32	56.93	106.69	-49.76	45.49	33.62	11.20	33.38	0.00	135	27	PEAK
4	5720.07	53.01	110.95	-57.94	41.53	33.68	11.19	33.39	0.00	135	27	PEAK

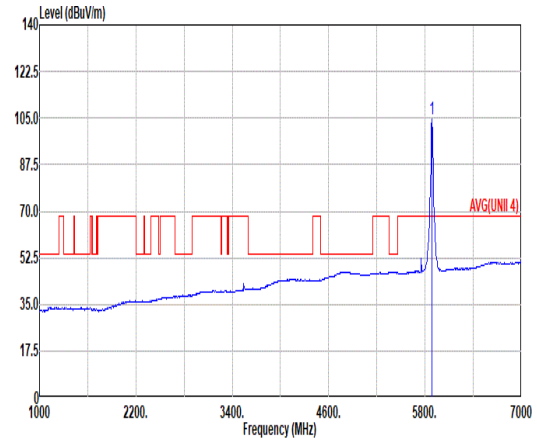


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5885.00	110.51	------	------	98.39	34.24	11.43	33.55	0.00	135	27	PEAK

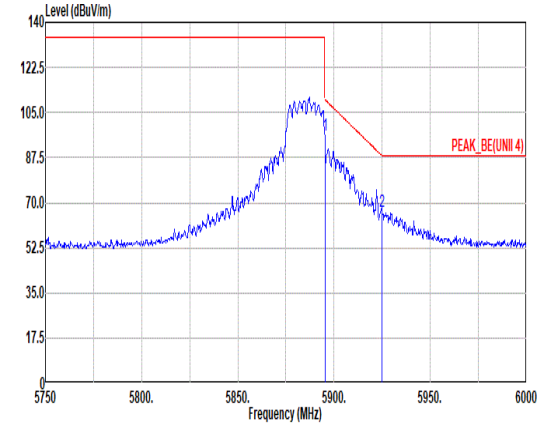
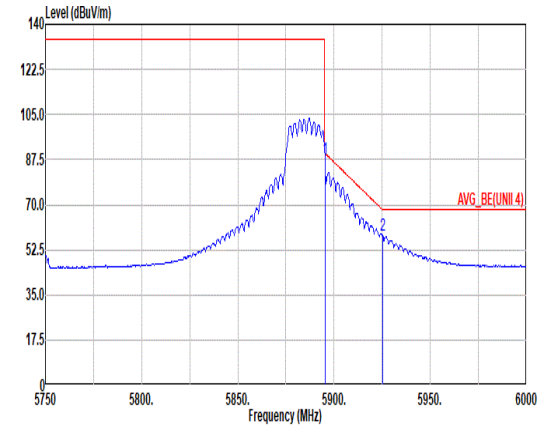
Avg.

Blank



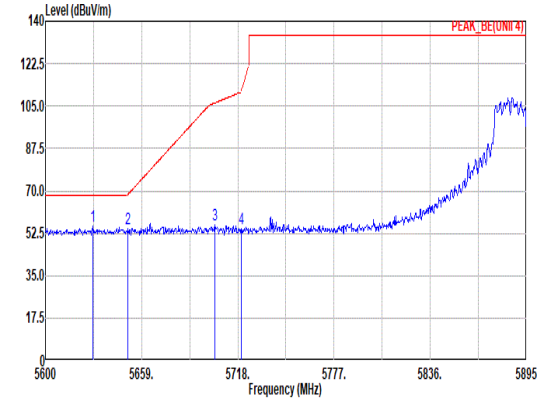
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5885.00	104.57	------	------	92.42	34.26	11.45	33.56	0.00	135	27	AVERAGE

Mode	48	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5895.25 96.01 110.02 -14.01 83.83 34.28 11.47 33.57 0.00 135 27 PEAK 2 5925.00 66.36 88.20 -21.84 54.09 34.30 11.57 33.60 0.00 135 27 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5895.25 87.84 90.02 -2.18 75.66 34.28 11.47 33.57 0.00 135 27 AVERAGE 2 5925.25 58.13 68.20 -10.07 45.86 34.30 11.57 33.60 0.00 135 27 AVERAGE	Blank

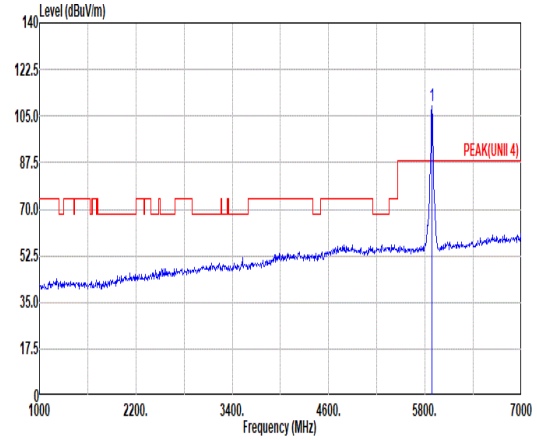
Mode	48	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	4+3	
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5629.21	55.38	68.20	-12.82	44.29	33.16	11.23	33.30	0.00	312	199	PEAK
2	5650.45	54.37	68.53	-14.16	43.27	33.20	11.22	33.32	0.00	312	199	PEAK
3	5703.84	56.16	106.28	-50.12	44.71	33.62	11.20	33.37	0.00	312	199	PEAK
4	5720.07	54.26	110.95	-56.69	42.78	33.68	11.19	33.39	0.00	312	199	PEAK

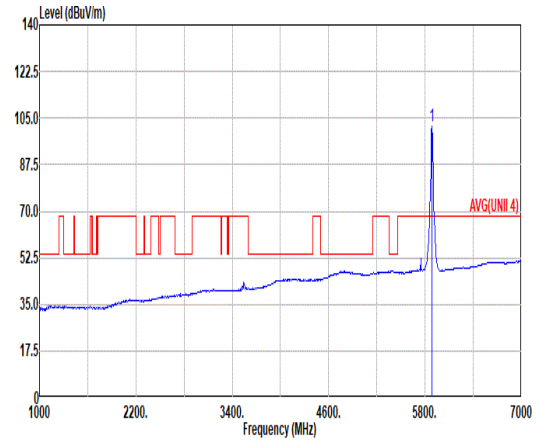


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5885.00	108.68	------	------	96.56	34.24	11.43	33.55	0.00	312	199	PEAK

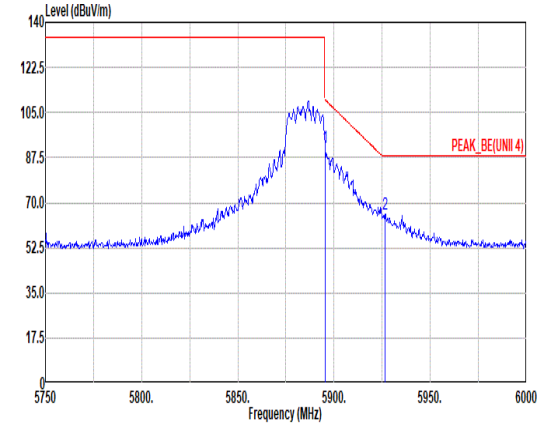
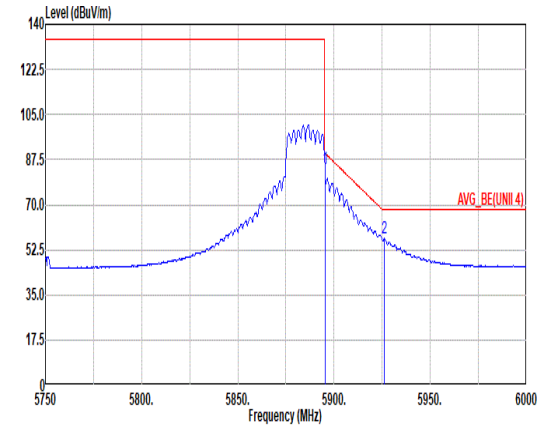
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

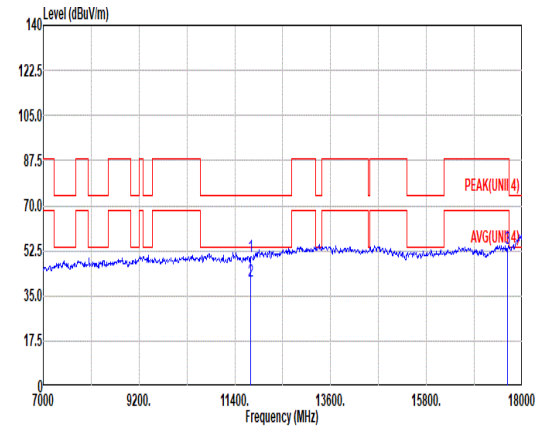
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5885.00	101.80	------	------	89.68	34.24	11.43	33.55	0.00	312	199	AVERAGE

Mode	48	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5895.25 91.40 110.02 -18.62 79.22 34.28 11.47 33.57 0.00 312 199 PEAK 2 5926.50 65.66 88.20 -22.54 53.39 34.30 11.57 33.60 0.00 312 199 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5895.25 84.18 90.02 -5.84 72.00 34.28 11.47 33.57 0.00 312 199 AVERAGE 2 5926.25 56.88 68.20 -11.32 44.61 34.30 11.57 33.60 0.00 312 199 AVERAGE	Blank

Mode	48	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	4+3	
Pol.	Horizontal	Vertical

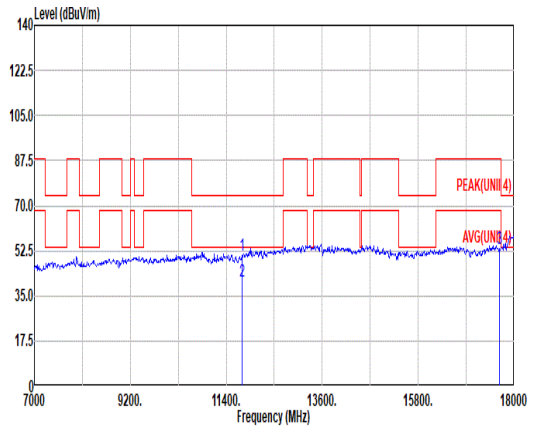
Peak

Avg.



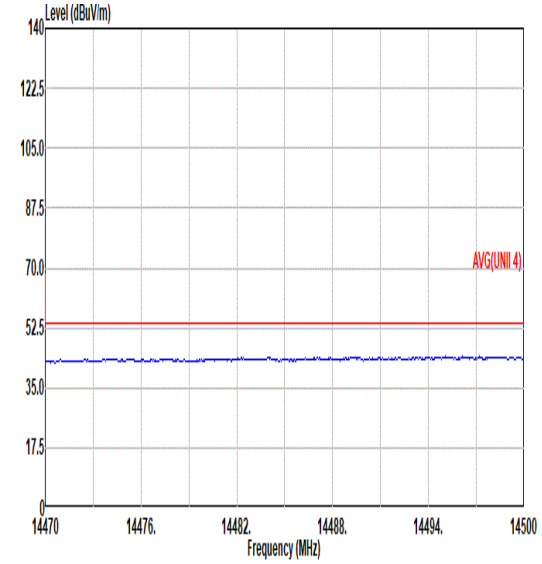
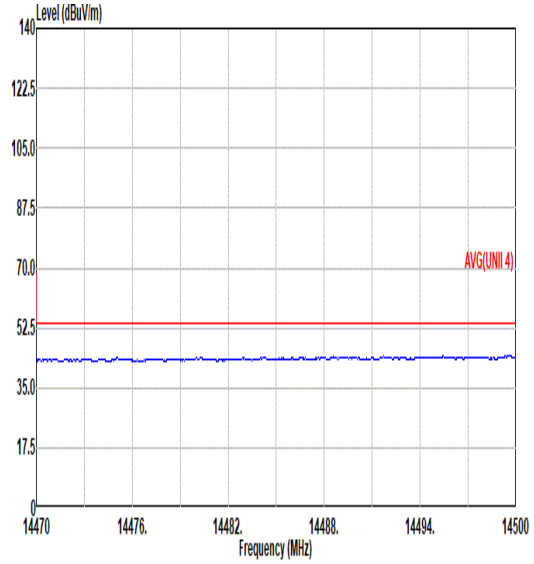
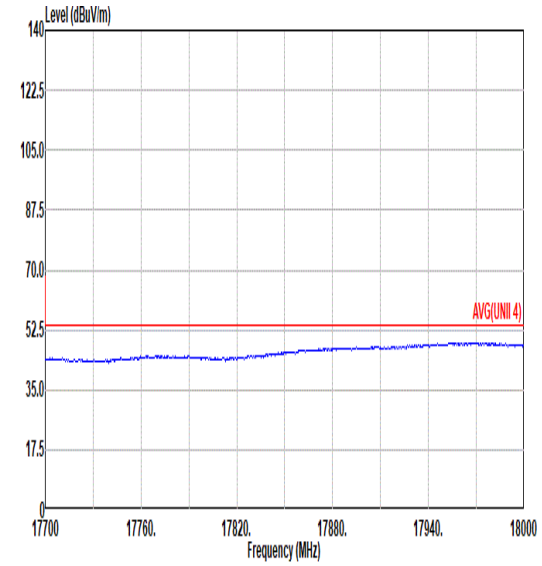
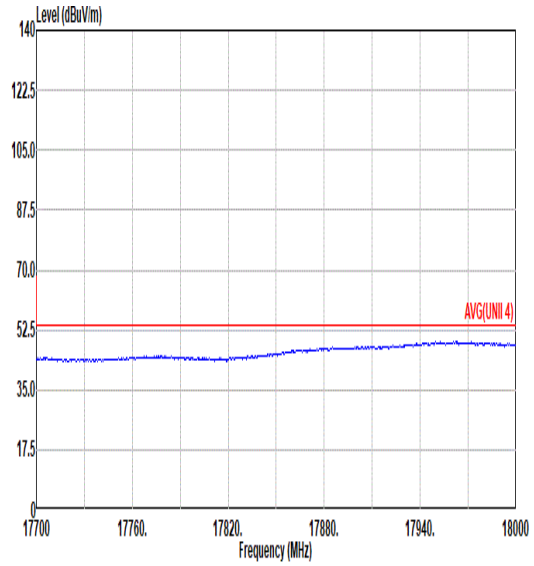
Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL

	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	11770.00	50.21	74.00	-23.79	58.62	38.76	18.96	66.44	0.31	140	29	PEAK
2	11770.00	40.51	54.00	-13.49	48.92	38.76	18.96	66.44	0.31	140	29	Average
3	17655.00	53.40	88.20	-34.80	58.12	39.46	23.42	68.18	0.58	--	--	PEAK



Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

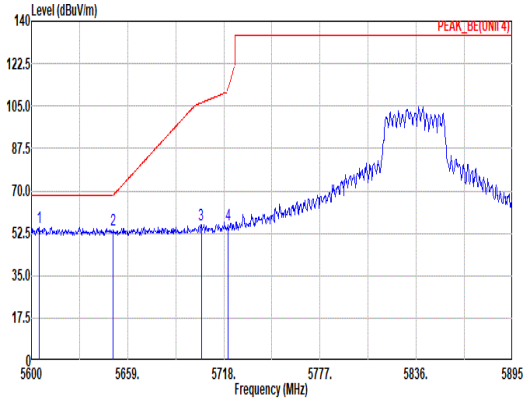
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11770.00	50.63	74.00	-23.37	59.04	38.76	18.96	66.44	0.31	215	162	PEAK
2	11770.00	40.70	54.00	-13.30	49.11	38.76	18.96	66.44	0.31	215	162	Average
3	17655.00	53.51	88.20	-34.69	58.23	39.46	23.42	68.18	0.58	--	--	PEAK

Mode	48	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

Mode	49
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE40_CH167_Full RU_5835MHz
ANT	4+3

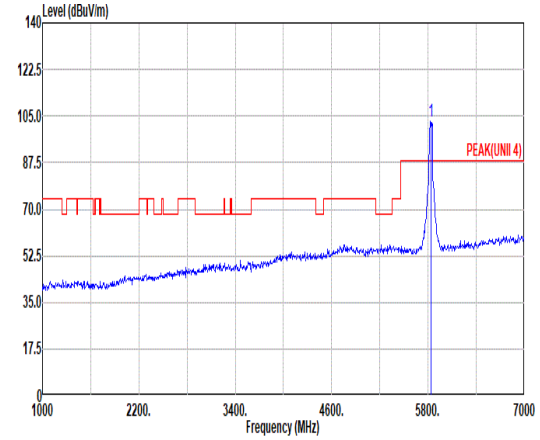
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5604.72	55.10	68.20	-13.10	44.04	33.09	11.24	33.27	0.00	100	240	PEAK
2	5650.15	53.88	68.31	-14.43	42.98	33.00	11.22	33.32	0.00	100	240	PEAK
3	5704.14	56.04	106.36	-50.32	44.87	33.34	11.20	33.37	0.00	100	240	PEAK
4	5720.36	55.75	111.62	-55.87	44.45	33.50	11.19	33.39	0.00	100	240	PEAK

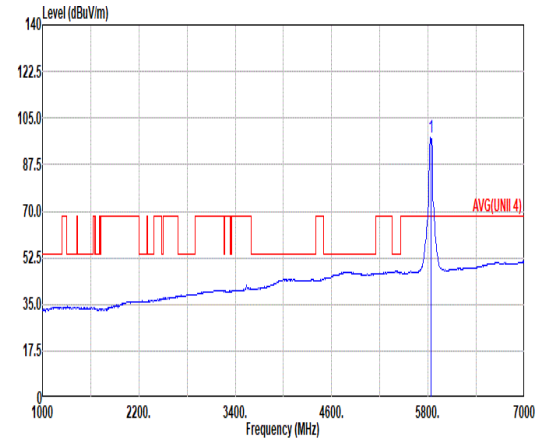


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5835.00	103.25	------	------	91.39	34.10	11.26	33.50	0.00	100	240	PEAK

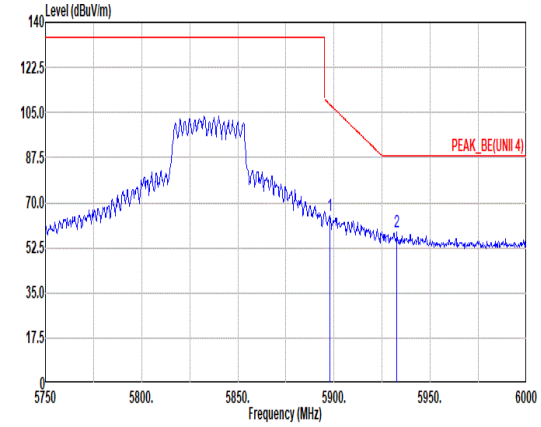
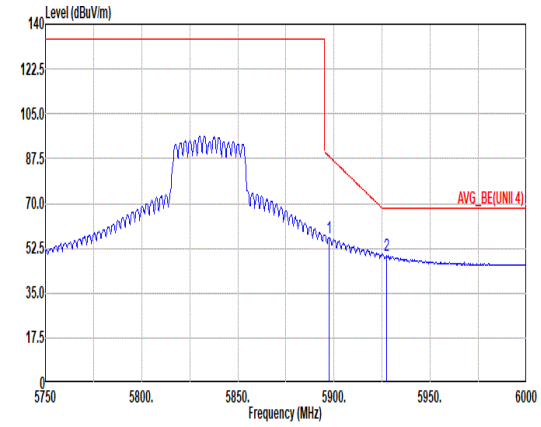
Avg.

Blank

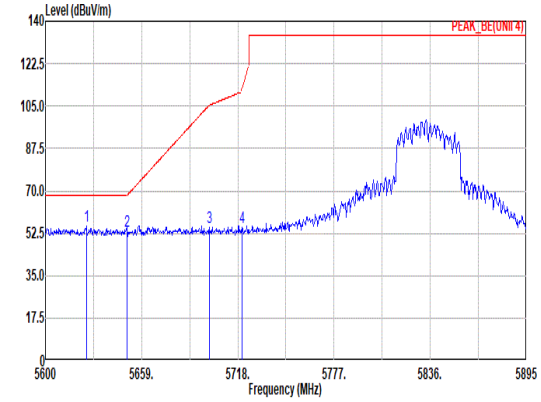
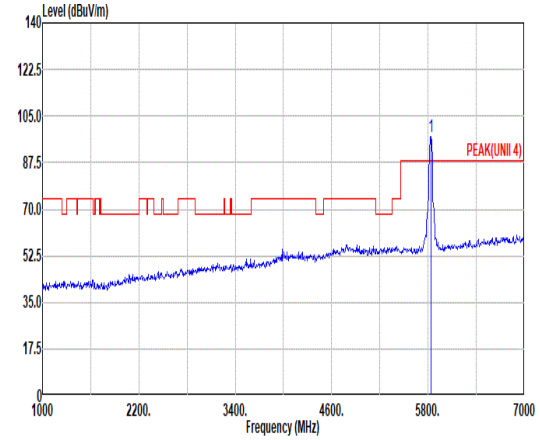
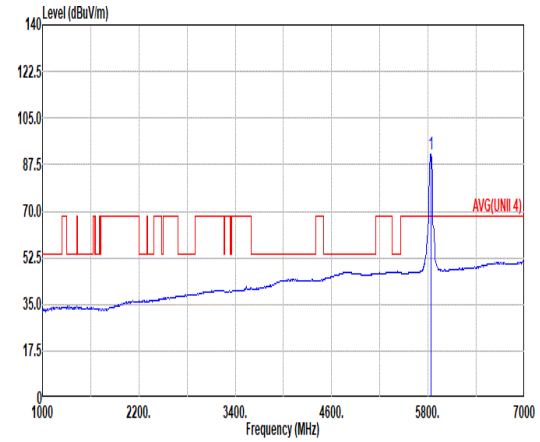


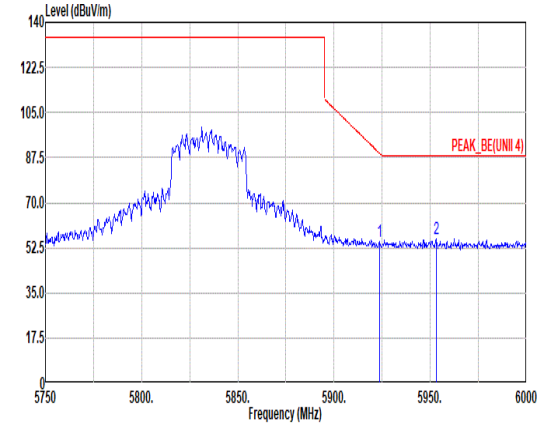
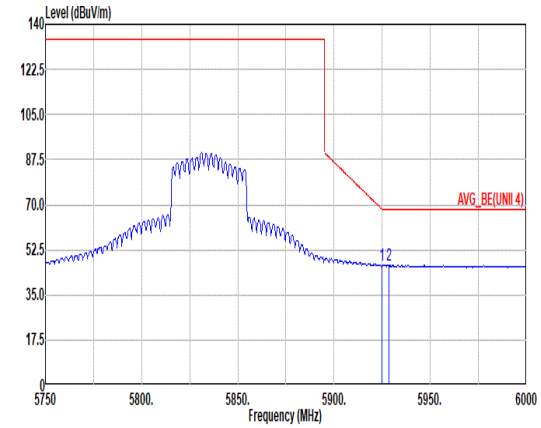
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5835.00	97.47	------	------	85.61	34.10	11.26	33.50	0.00	100	240	AVERAGE

Mode	49	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE40_CH167_Full RU_5835MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5897.75 65.00 108.18 -43.18 52.80 34.29 11.48 33.57 0.00 100 240 Peak 2 5932.75 58.60 88.20 -29.60 46.24 34.37 11.59 33.60 0.00 100 240 Peak	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5897.25 56.67 88.55 -31.88 44.47 34.29 11.48 33.57 0.00 100 240 Average 2 5927.50 49.67 68.20 -18.53 37.35 34.35 11.57 33.60 0.00 100 240 Average	Blank

Mode	49
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE40_CH167_Full RU_5835MHz
ANT	4+3

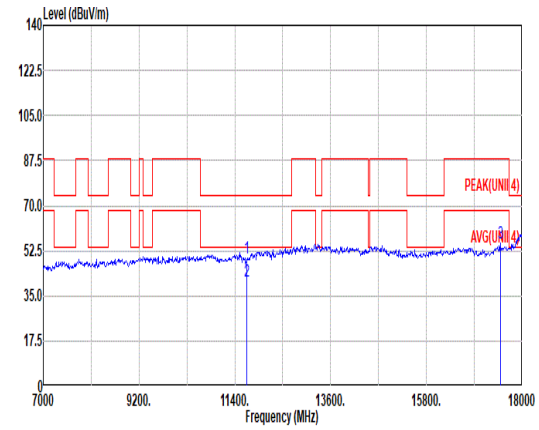
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq / Level / Limit Line / Margin / Read Level / Ant Factor / Cable Loss / Preamp Factor / Aux Factor / APos / TPos / Remark 1 5625.08 MHz 55.27 dBuV/m 68.20 dB -12.93 44.29 dBuV 33.05 dB/m 11.23 dB 33.30 dB 0.00 dB 200 cm 262 deg PEAK 2 5650.15 MHz 53.19 dBuV/m 68.31 dB -15.12 42.29 dBuV 33.00 dB/m 11.22 dB 33.32 dB 0.00 dB 200 cm 262 deg PEAK 3 5700.60 MHz 54.76 dBuV/m 105.37 dB -50.61 43.62 dBuV 33.31 dB/m 11.20 dB 33.37 dB 0.00 dB 200 cm 262 deg PEAK 4 5720.36 MHz 54.88 dBuV/m 111.62 dB -56.74 43.58 dBuV 33.50 dB/m 11.19 dB 33.39 dB 0.00 dB 200 cm 262 deg PEAK	 Site : 03CH12-HY Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 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 1 5835.00 MHz 97.33 dBuV/m ------ dB ------ 85.46 dBuV 34.10 dB/m 11.28 dB 33.51 dB 0.00 dB 200 cm 262 deg PEAK
Avg.	Blank	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 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 1 5835.00 MHz 91.36 dBuV/m ------ dB ------ 79.50 dBuV 34.10 dB/m 11.26 dB 33.50 dB 0.00 dB 200 cm 262 deg AVERAGE

Mode	49	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE40_CH167_Full RU_5835MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5923.50 54.92 89.30 -34.38 42.60 34.35 11.56 33.59 0.00 200 262 PEAK 2 5953.00 56.20 88.20 -32.00 43.77 34.39 11.66 33.62 0.00 200 262 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5925.00 46.28 68.20 -21.92 33.96 34.35 11.57 33.60 0.00 200 262 AVERAGE 2 5928.50 46.62 68.20 -21.58 34.28 34.36 11.58 33.60 0.00 200 262 AVERAGE	Blank

Mode	49	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE40_CH167_Full RU_5835MHz	
ANT	4+3	
Pol.	Horizontal	Vertical

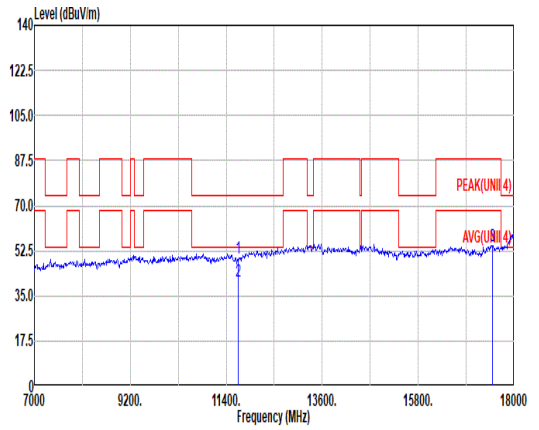
Peak

Avg.



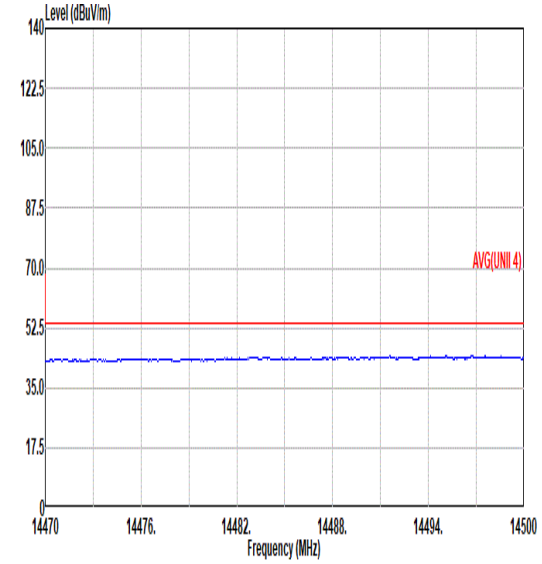
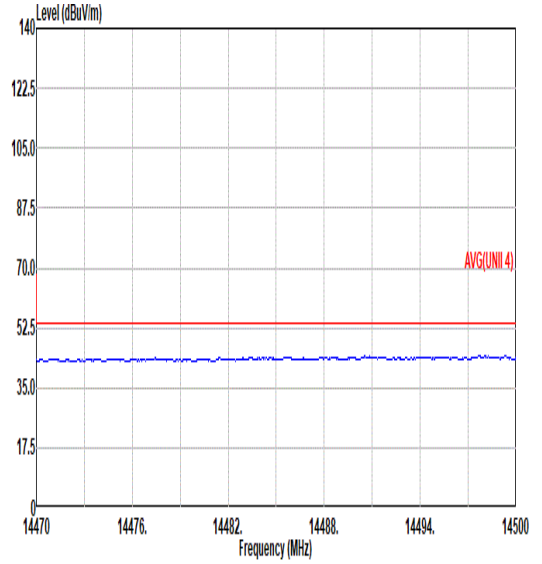
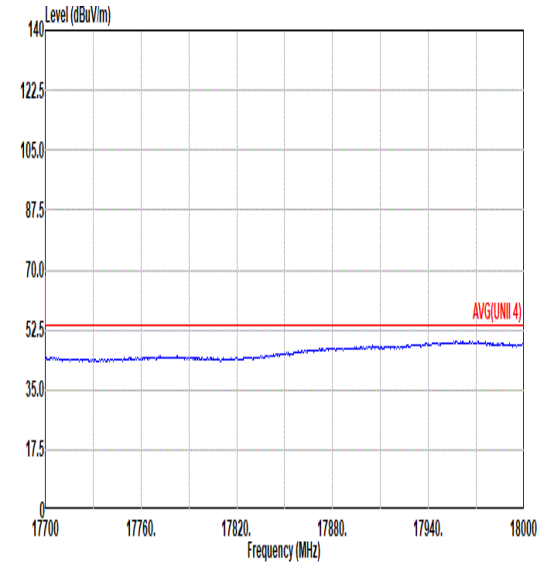
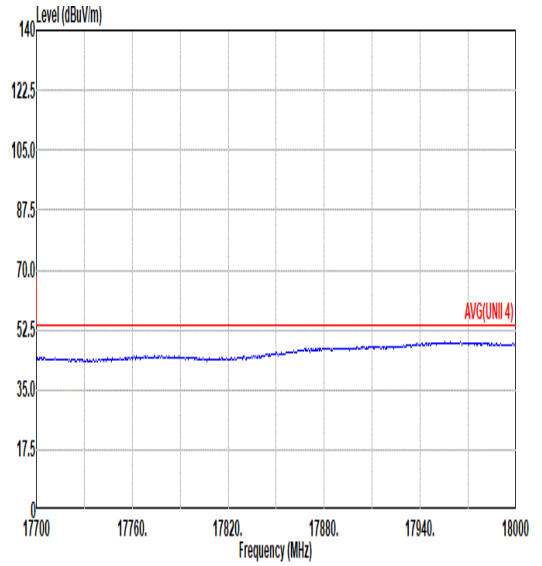
Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL

	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	11670.00	49.51	74.00	-24.49	58.25	38.68	18.75	66.48	0.31	139	30	PEAK
2	11670.00	40.59	54.00	-13.41	49.33	38.68	18.75	66.48	0.31	139	30	Average
3	17505.00	55.34	88.20	-32.86	60.74	38.64	23.24	67.84	0.56	--	--	PEAK



Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

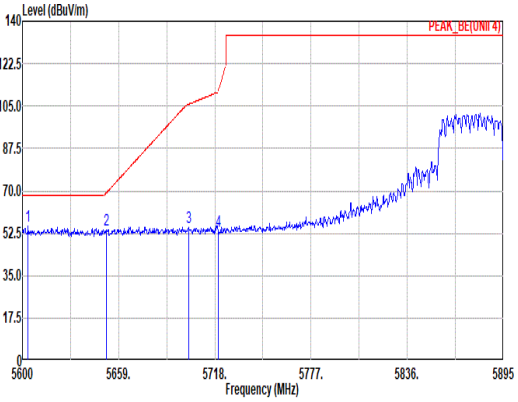
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11670.00	49.63	74.00	-24.37	58.37	38.68	18.75	66.48	0.31	217	160	PEAK
2	11670.00	40.85	54.00	-13.15	49.59	38.68	18.75	66.48	0.31	217	160	Average
3	17505.00	54.66	88.20	-33.54	60.06	38.64	23.24	67.84	0.56	--	--	PEAK

Mode	49	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE40_CH167_Full RU_5835MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

Mode	50
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE40_CH175_Full RU_5875MHz
ANT	4+3

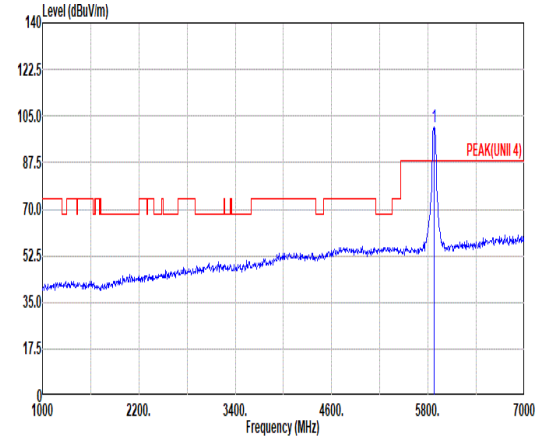
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5603.54	55.71	68.20	-12.49	44.65	33.09	11.24	33.27	0.00	301	0	PEAK
2	5651.33	54.05	69.19	-15.14	43.14	33.01	11.22	33.32	0.00	301	0	PEAK
3	5701.78	54.86	105.70	-50.84	43.71	33.32	11.20	33.37	0.00	301	0	PEAK
4	5720.07	53.17	110.95	-57.78	41.87	33.50	11.19	33.39	0.00	301	0	PEAK

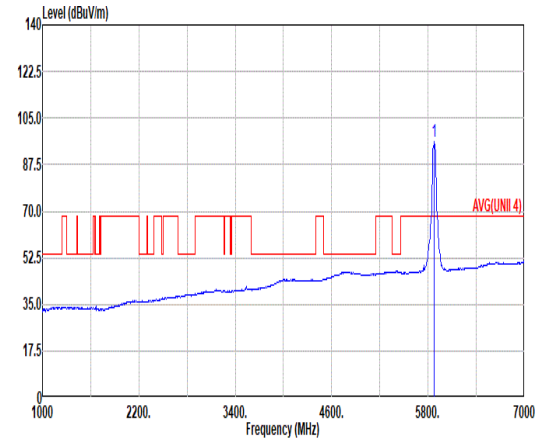


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5875.00	100.99	------	------	88.92	34.21	11.41	33.55	0.00	301	0	PEAK

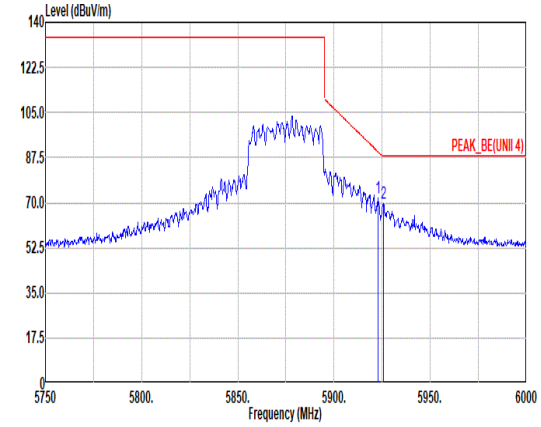
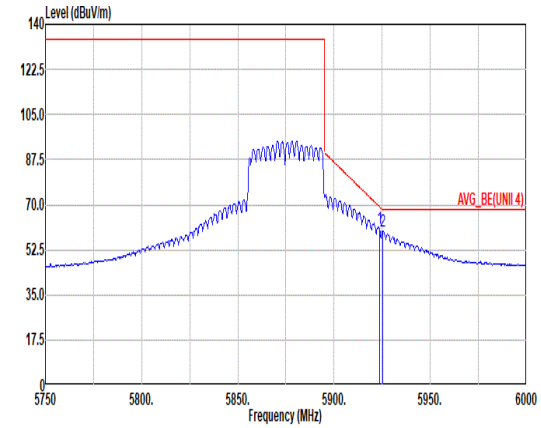
Avg.

Blank



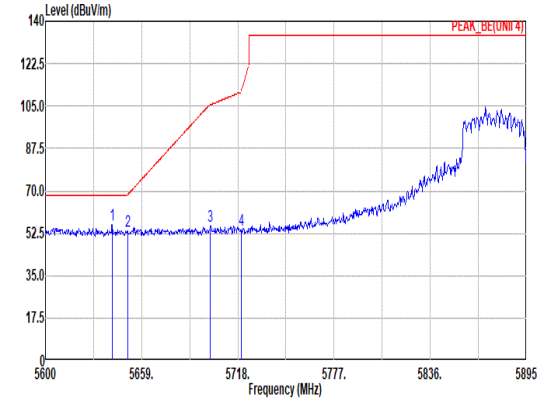
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5875.00	95.89	------	------	83.82	34.21	11.41	33.55	0.00	301	0	AVERAGE

Mode	50	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE40_CH175_Full RU_5875MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5922.75 71.83 89.85 -18.02 59.51 34.35 11.56 33.59 0.00 301 0 PEAK 2 5925.75 69.61 88.20 -18.59 57.29 34.35 11.57 33.60 0.00 301 0 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5923.50 61.00 69.30 -8.30 48.68 34.35 11.56 33.59 0.00 301 0 AVERAGE 2 5925.25 59.87 68.20 -8.33 47.55 34.35 11.57 33.60 0.00 301 0 AVERAGE	Blank

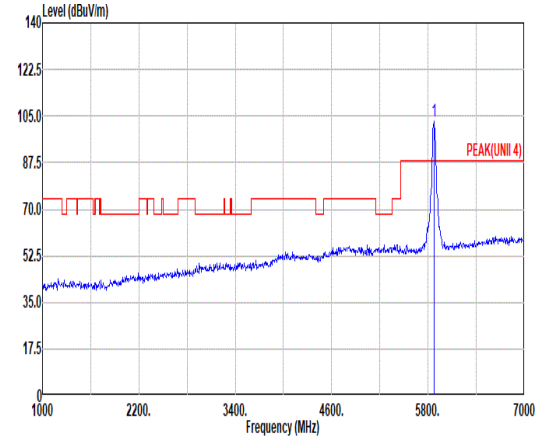
Mode	50	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE40_CH175_Full RU_5875MHz	
ANT	4+3	
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5641.01	56.04	68.20	-12.16	45.11	33.02	11.22	33.31	0.00	205	0	PEAK
2	5650.45	53.39	68.53	-15.14	42.49	33.00	11.22	33.32	0.00	205	0	PEAK
3	5701.19	55.42	105.53	-50.11	44.28	33.31	11.20	33.37	0.00	205	0	PEAK
4	5720.07	54.15	110.95	-56.80	42.85	33.50	11.19	33.39	0.00	205	0	PEAK

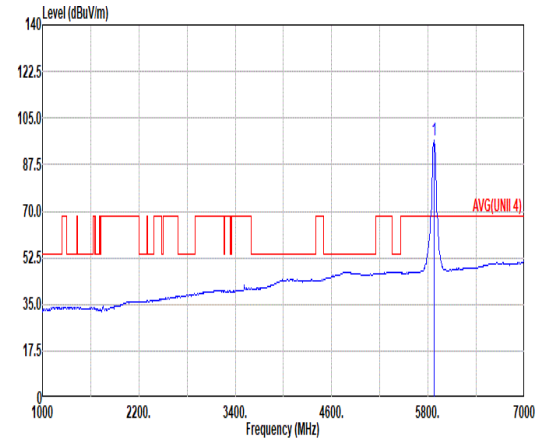


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5875.00	103.16	------	------	91.12	34.19	11.39	33.54	0.00	205	0	PEAK

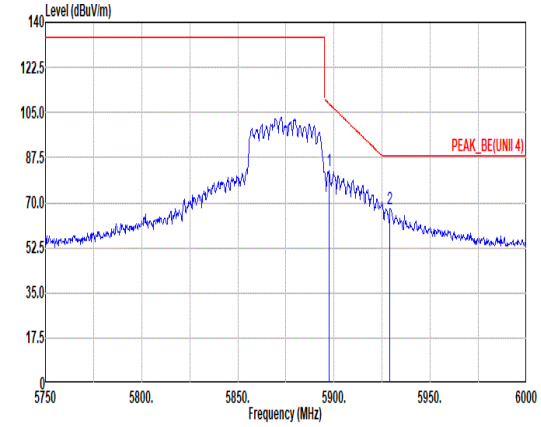
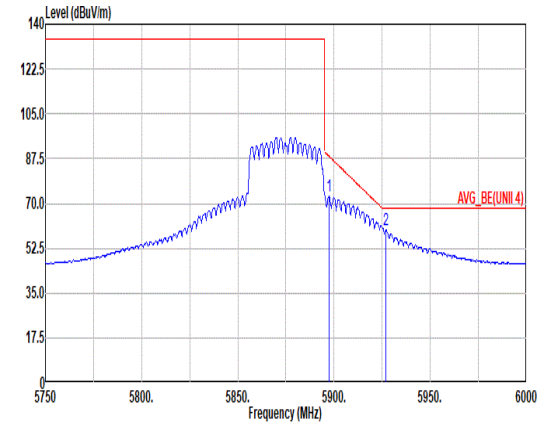
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5875.00	96.51	------	------	84.47	34.19	11.39	33.54	0.00	205	0	AVERAGE

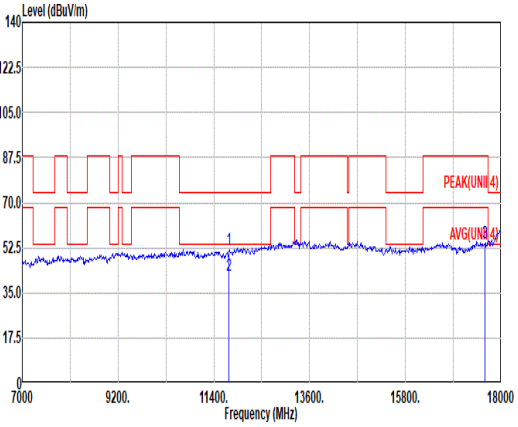
Mode	50	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE40_CH175_Full RU_5875MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5897.25 82.40 108.55 -26.15 70.20 34.29 11.48 33.57 0.00 205 0 Peak 2 5929.00 67.77 88.20 -20.43 55.43 34.36 11.58 33.60 0.00 205 0 Peak	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5897.25 72.69 88.55 -15.86 60.49 34.29 11.48 33.57 0.00 205 0 Average 2 5927.00 59.64 68.20 -8.56 47.32 34.35 11.57 33.60 0.00 205 0 Average	Blank

Mode	50
	Harmonic
	U-NII-4_5.85-5.895_802.11ax HE40_CH175_Full RU_5875MHz
ANT	4+3

Pol.	Horizontal	Vertical

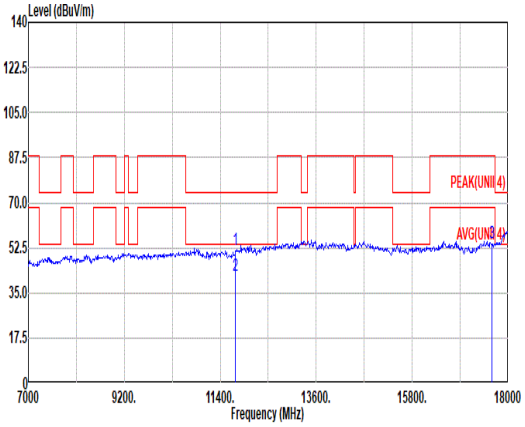
Peak

Avg.



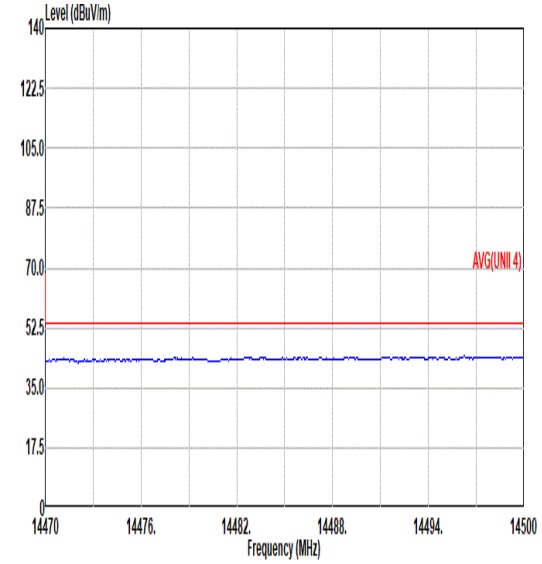
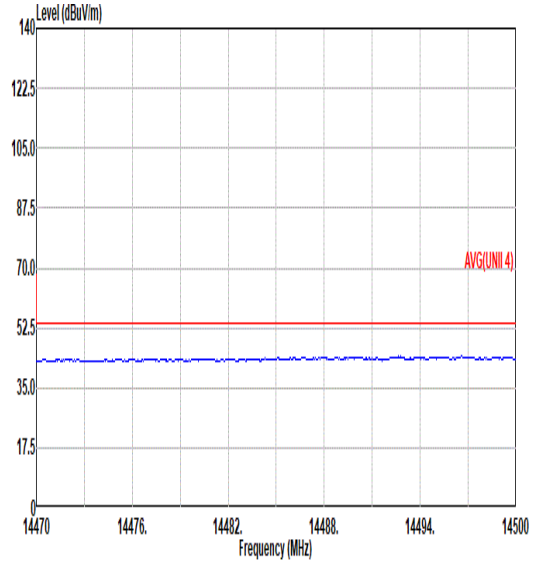
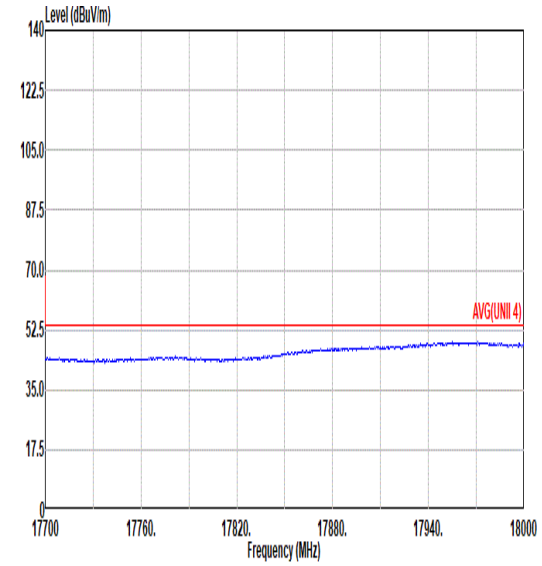
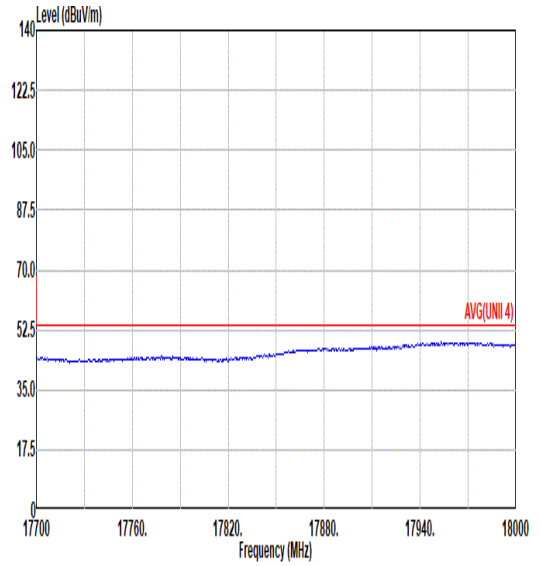
Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL

	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	11750.00	51.54	74.00	-22.46	59.96	38.80	18.92	66.45	0.31	142	31	PEAK
2	11750.00	41.48	54.00	-12.52	49.90	38.80	18.92	66.45	0.31	142	31	Average
3	17625.00	54.43	88.20	-33.77	59.33	39.25	23.38	68.11	0.58	--	--	PEAK



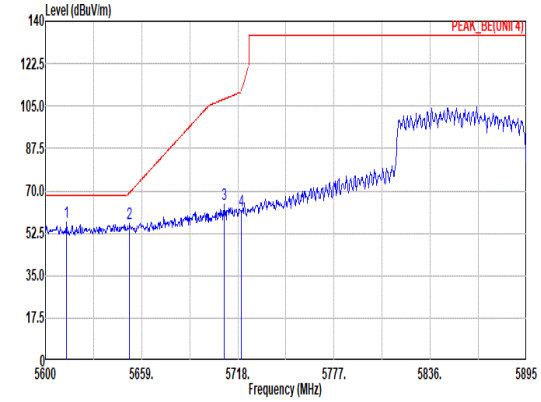
Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

	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	11750.00	51.58	74.00	-22.42	60.00	38.80	18.92	66.45	0.31	215	152	PEAK
2	11750.00	41.64	54.00	-12.36	50.06	38.80	18.92	66.45	0.31	215	152	Average
3	17625.00	54.17	88.20	-34.03	59.07	39.25	23.38	68.11	0.58	--	--	PEAK

Mode	50	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE40_CH175_Full RU_5875MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

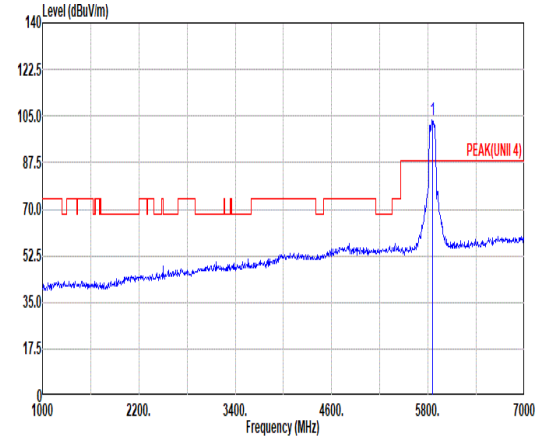
Mode	51	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE80_CH171_Full RU_5855MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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	5612.98	57.17	68.20	-11.03	46.15	33.07	11.23	33.28	0.00	100	29	PEAK
2	5651.63	56.41	69.41	-13.00	45.50	33.01	11.22	33.32	0.00	100	29	PEAK
3	5709.45	64.33	107.85	-43.52	53.12	33.39	11.20	33.38	0.00	100	29	PEAK
4	5720.07	61.81	110.95	-49.14	50.51	33.50	11.19	33.39	0.00	100	29	PEAK

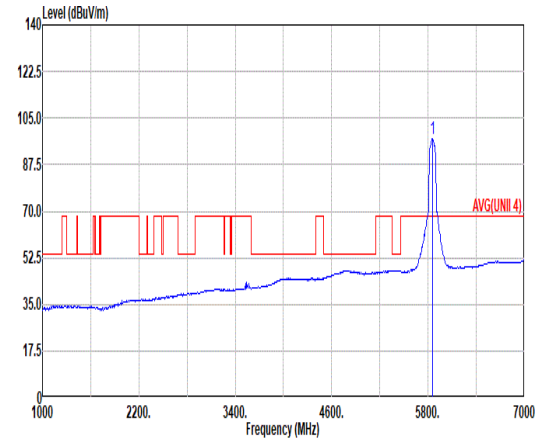


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5855.00	103.68	------	------	91.79	34.10	11.30	33.51	0.00	100	29	PEAK

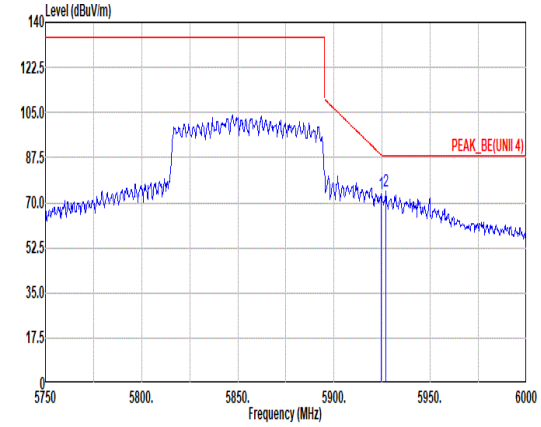
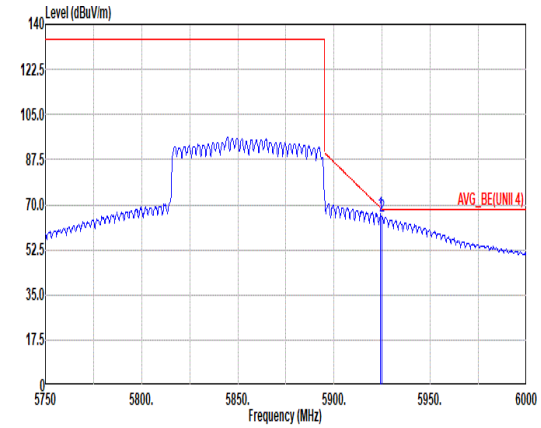
Avg.

Blank

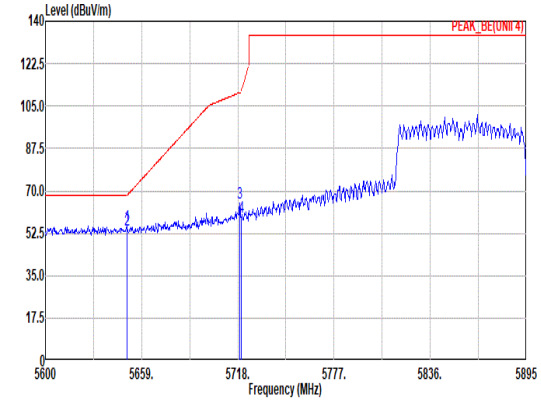
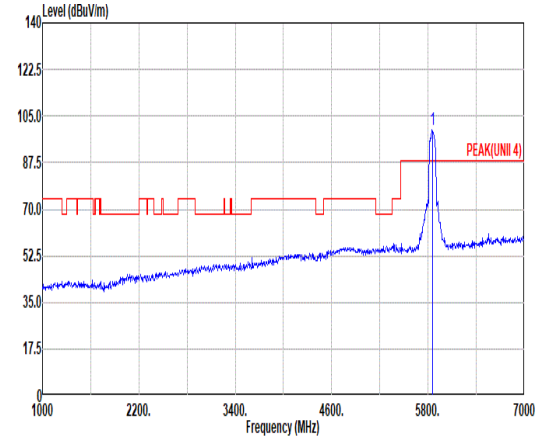
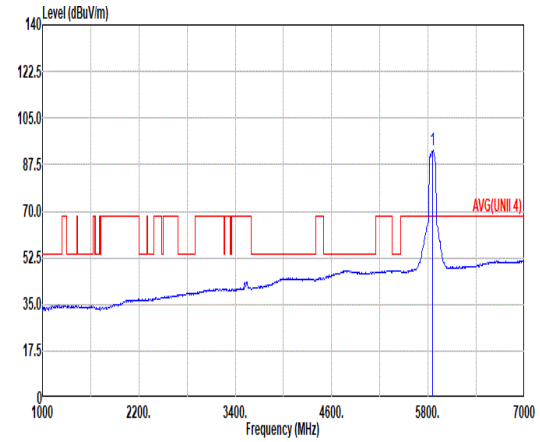


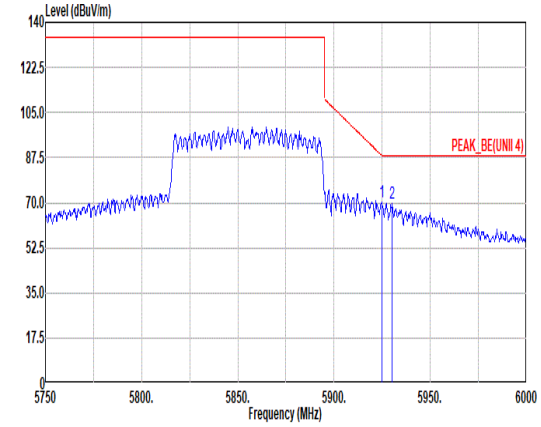
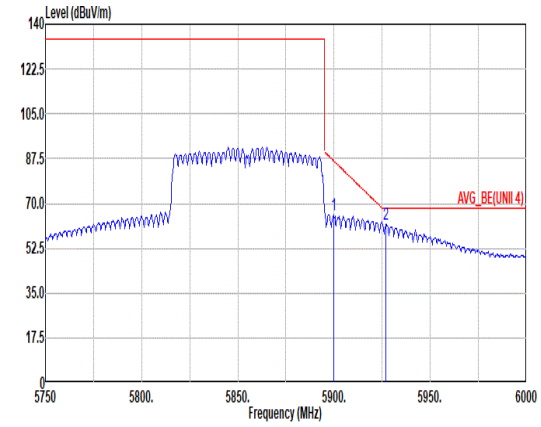
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL
: RBW:1000.000kHz VBW:3.000kHz SWT:Auto

	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	5855.00	97.23	------	------	85.34	34.10	11.30	33.51	0.00	100	29	AVERAGE

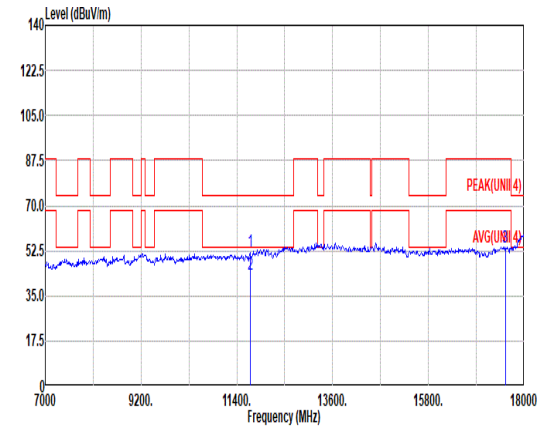
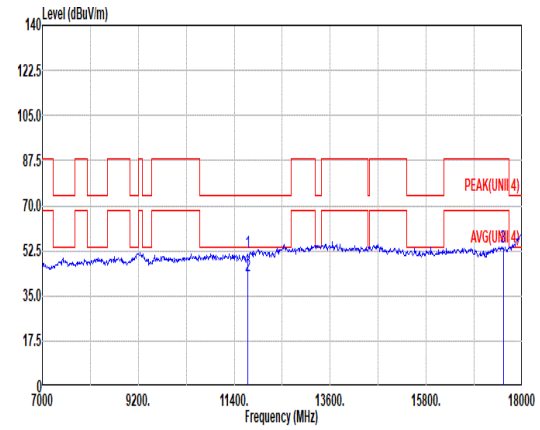
Mode	51	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE80_CH171_Full RU_5855MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5924.50 73.39 88.57 -15.18 61.07 34.35 11.56 33.59 0.00 100 29 PEAK 2 5927.00 74.67 88.20 -13.53 62.35 34.35 11.57 33.60 0.00 100 29 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 HORIZONTAL : RBW:1000.000kHz VBW:3.000kHz 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 5924.25 66.30 68.75 -2.45 53.98 34.35 11.56 33.59 0.00 100 29 AVERAGE 2 5925.00 65.34 68.20 -2.86 53.02 34.35 11.57 33.60 0.00 100 29 AVERAGE	Blank

Mode	51
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE80_CH171_Full RU_5855MHz
ANT	4+3

Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 1 5649.86 MHz 55.47 dBuV/m 68.20 dB -12.73 44.57 dBuV 33.00 dB/m 11.22 dB 33.32 dB 0.00 dB 239 cm 0 deg PEAK 2 5650.15 MHz 54.13 dBuV/m 68.31 dB -14.18 43.23 dBuV 33.00 dB/m 11.22 dB 33.32 dB 0.00 dB 239 cm 0 deg PEAK 3 5719.18 MHz 64.98 dBuV/m 110.57 dB -45.59 53.69 dBuV 33.49 dB/m 11.19 dB 33.39 dB 0.00 dB 239 cm 0 deg PEAK 4 5720.07 MHz 59.20 dBuV/m 110.95 dB -51.75 47.90 dBuV 33.50 dB/m 11.19 dB 33.39 dB 0.00 dB 239 cm 0 deg PEAK	 Site : 03CH12-HY Condition: PEAK(UNII 4) 3m BBHA 9120 D_9120D-02038 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 1 5855.00 MHz 99.73 dBuV/m ------ dB ------ 87.84 dBuV 34.10 dB/m 11.30 dB 33.51 dB 0.00 dB 239 cm 0 deg PEAK
Avg.	Blank	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Freq / Level / Limit Line / Margin / Read Level / Ant Factor / Cable Loss / Preamp Factor / Aux Factor / APos / TPos / Remark 1 5855.00 MHz 93.01 dBuV/m ------ dB ------ 81.02 dBuV 34.16 dB/m 11.37 dB 33.54 dB 0.00 dB 239 cm 0 deg AVERAGE

Mode	51	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE80_CH171_Full RU_5855MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 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 5924.75 70.09 88.38 -18.29 57.76 34.35 11.57 33.59 0.00 239 0 PEAK 2 5930.25 69.97 88.20 -18.23 57.63 34.36 11.58 33.60 0.00 239 0 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m BBHA 9120 D_9120D-02038 VERTICAL : RBW:1000.000kHz VBW:3.000kHz 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 5900.00 65.60 86.53 -20.93 53.38 34.30 11.49 33.57 0.00 239 0 Average 2 5927.00 61.58 68.20 -6.62 49.26 34.35 11.57 33.60 0.00 239 0 Average	Blank

Mode	51
	Harmonic
	U-NII-4_5.85-5.895_802.11ax HE80_CH171_Full RU_5855MHz
ANT	4+3

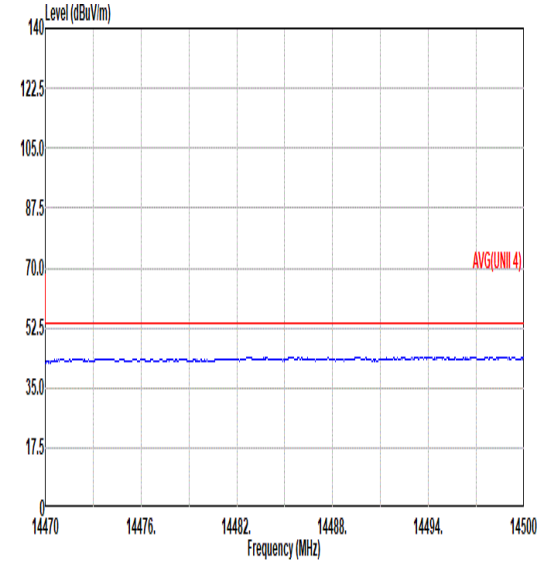
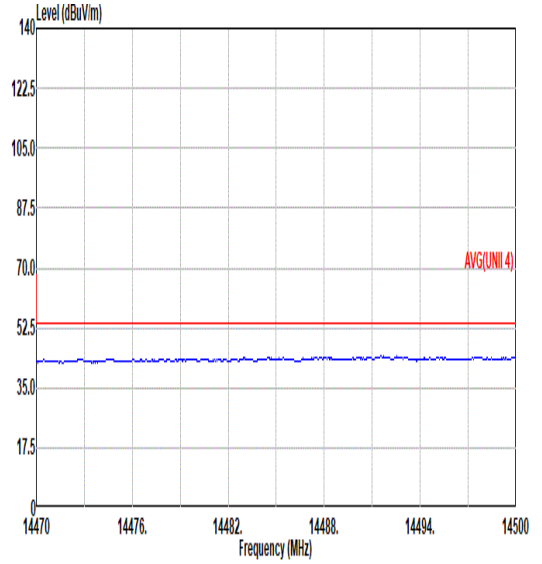
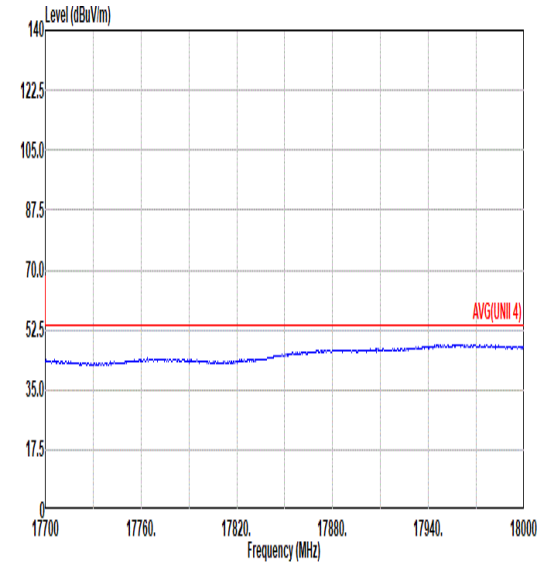
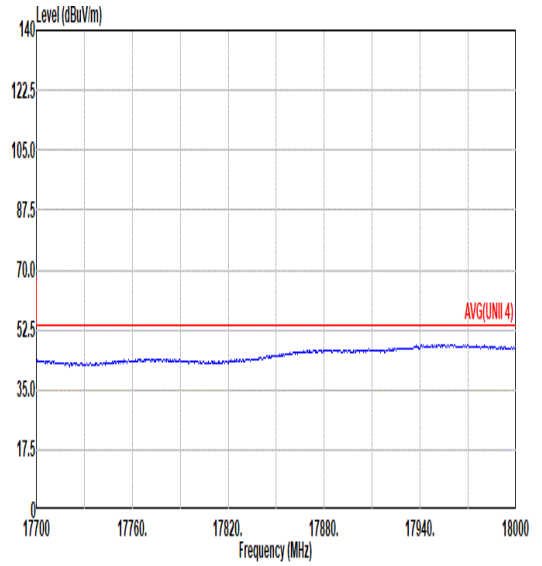
Pol.	Horizontal	Vertical
Peak Avg.		

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	11710.00	52.25	74.00	-21.75	60.77	38.80	18.83	66.46	0.31	171	58	PEAK
2	11710.00	43.09	54.00	-10.91	51.61	38.80	18.83	66.46	0.31	171	58	Average
3	17565.00	54.12	88.20	-34.08	59.19	39.03	23.31	67.98	0.57	--	--	PEAK

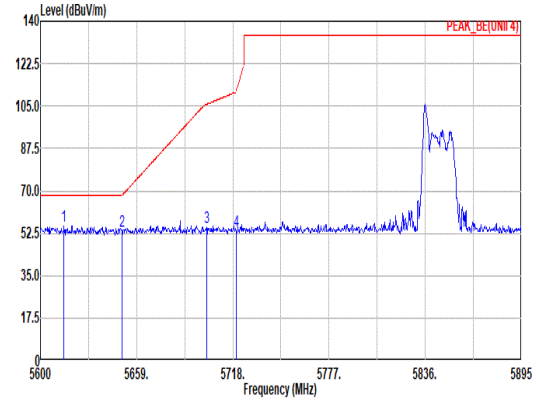
Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL

	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	11710.00	51.64	74.00	-22.36	60.16	38.80	18.83	66.46	0.31	188	124	PEAK
2	11710.00	42.64	54.00	-11.36	51.16	38.80	18.83	66.46	0.31	188	124	Average
3	17565.00	53.75	88.20	-34.45	58.82	39.03	23.31	67.98	0.57	--	--	PEAK

Mode	51	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE80_CH171_Full RU_5855MHz	
ANT	4+3	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
17.7G ~18G Avg.	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL	 Site : 03CH12-HY Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL

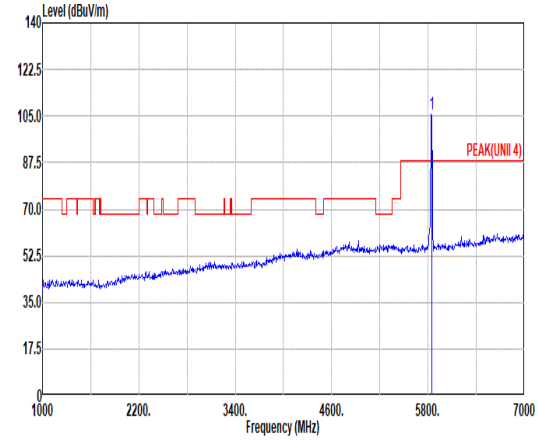
Mode	72	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 26/0_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5614.46	55.60	68.20	-12.60	44.52	33.13	11.23	33.28	0.00	101	360	PEAK
2	5650.15	53.38	68.31	-14.93	42.28	33.20	11.22	33.32	0.00	101	360	PEAK
3	5701.78	55.04	105.70	-50.66	43.60	33.61	11.20	33.37	0.00	101	360	PEAK
4	5720.07	53.54	110.95	-57.41	42.06	33.68	11.19	33.39	0.00	101	360	PEAK

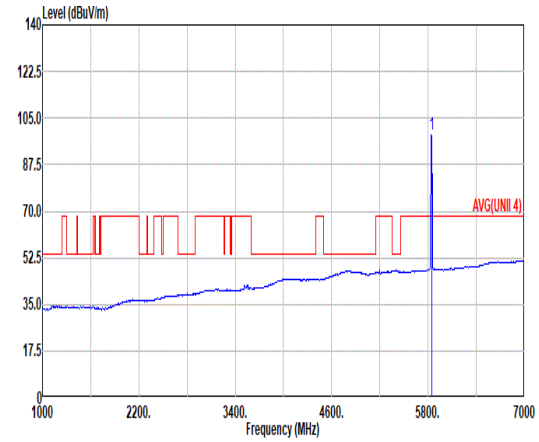


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	105.40	------	------	93.56	34.07	11.28	33.51	0.00	101	360	PEAK

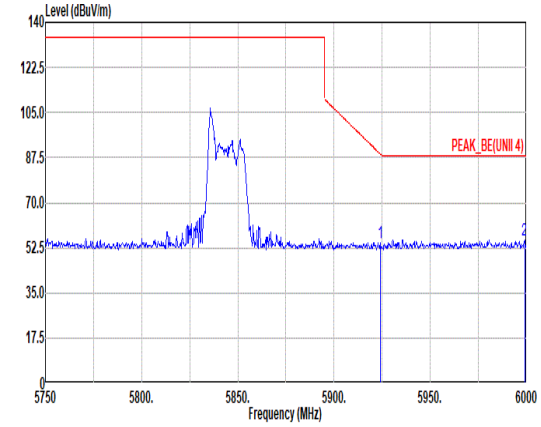
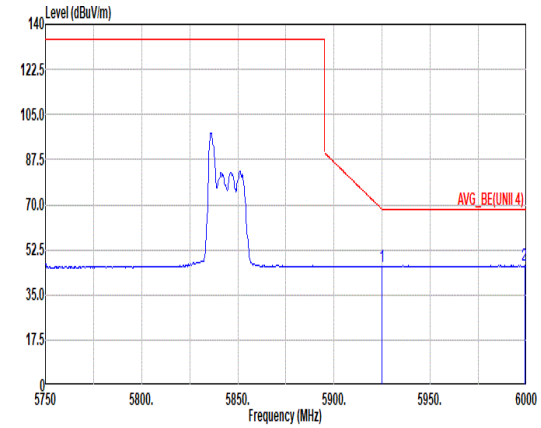
Avg.

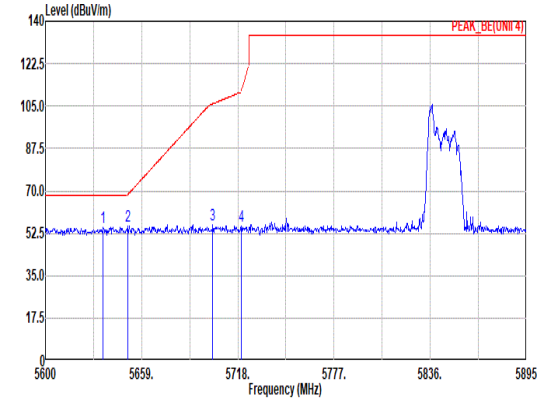
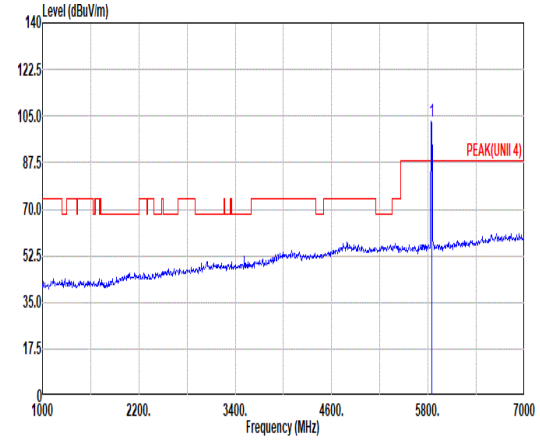
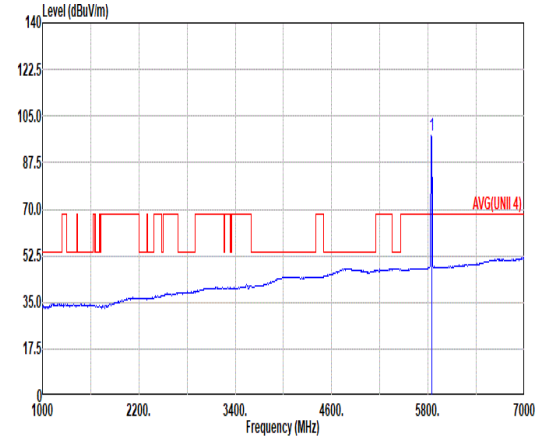
Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 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	5845.00	98.79	------	------	86.95	34.07	11.28	33.51	0.00	101	360	AVERAGE

Mode	72	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 26/0_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.25 54.65 88.75 -34.10 42.38 34.30 11.56 33.59 0.00 101 360 PEAK 2 5999.00 55.69 88.20 -32.51 43.35 34.20 11.81 33.67 0.00 101 360 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5925.00 45.96 68.20 -22.24 33.69 34.30 11.57 33.60 0.00 101 360 AVERAGE 2 5999.00 46.40 68.20 -21.80 34.06 34.20 11.81 33.67 0.00 101 360 AVERAGE	Blank

Mode	72	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 26/0_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak		
Avg.	Blank	

Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

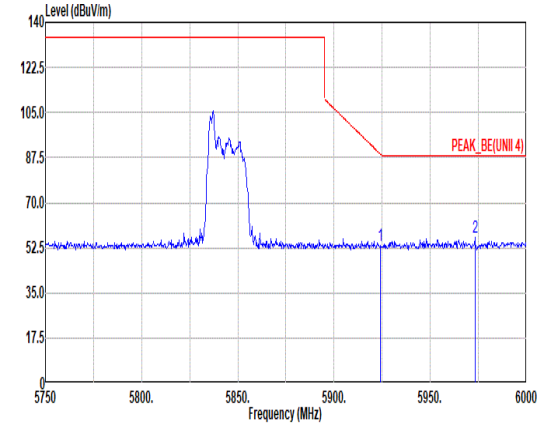
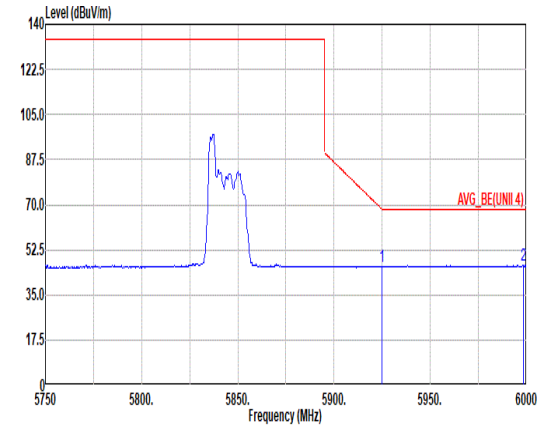
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5635.40	55.12	68.20	-13.08	44.03	33.17	11.23	33.31	0.00	383	0	PEAK
2	5650.45	55.36	68.53	-13.17	44.26	33.20	11.22	33.32	0.00	383	0	PEAK
3	5702.66	55.76	105.95	-50.19	44.32	33.61	11.20	33.37	0.00	383	0	PEAK
4	5720.07	55.40	110.95	-55.55	43.92	33.68	11.19	33.39	0.00	383	0	PEAK

Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 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	5845.00	103.22	------	------	91.38	34.07	11.28	33.51	0.00	383	0	PEAK

Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

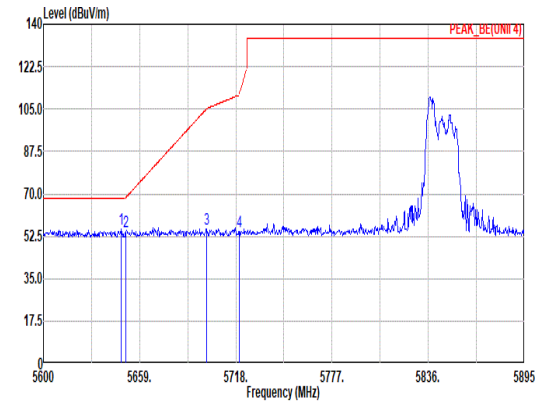
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5845.00	97.85	------	------	86.01	34.07	11.28	33.51	0.00	383	0	AVERAGE

Mode	72	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 26/0_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 cm TPos deg Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB 1 5924.25 53.51 88.75 -35.24 41.24 34.30 11.56 33.59 0.00 383 0 PEAK 2 5973.25 56.50 88.20 -31.70 44.17 34.25 11.72 33.64 0.00 383 0 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 cm TPos deg Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB 1 5925.00 45.90 68.20 -22.30 33.63 34.30 11.57 33.60 0.00 383 0 AVERAGE 2 5998.25 46.35 68.20 -21.85 34.02 34.20 11.80 33.67 0.00 383 0 AVERAGE	Blank

Mode	73
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 52/37_5845MHz
ANT	4+3

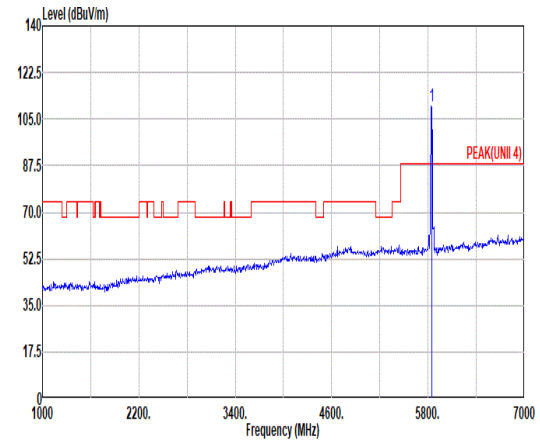
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5647.50	55.26	68.20	-12.94	44.17	33.19	11.22	33.32	0.00	200	35	PEAK
2	5650.45	54.46	68.53	-14.07	43.36	33.20	11.22	33.32	0.00	200	35	PEAK
3	5700.01	55.26	105.20	-49.94	43.83	33.60	11.20	33.37	0.00	200	35	PEAK
4	5720.07	54.39	110.95	-56.56	42.91	33.68	11.19	33.39	0.00	200	35	PEAK

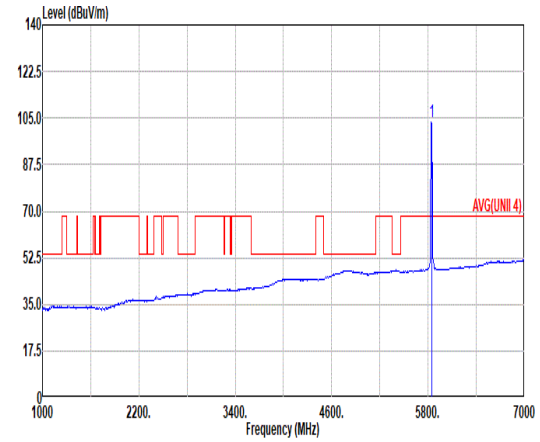


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	109.77	------	------	97.93	34.07	11.28	33.51	0.00	200	35	PEAK

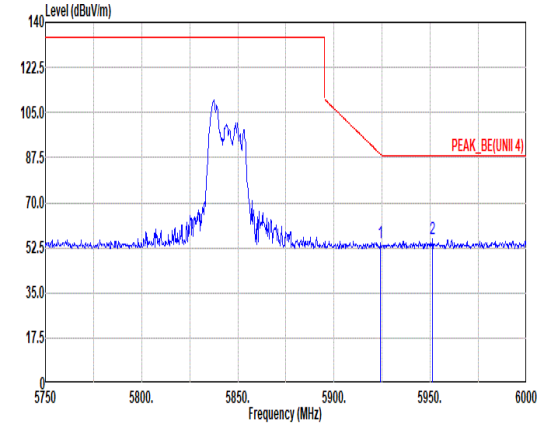
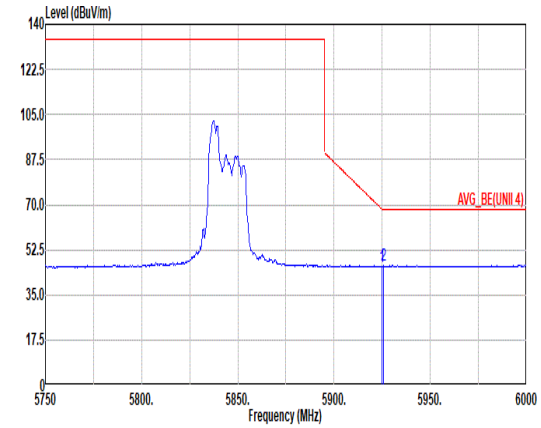
Avg.

Blank



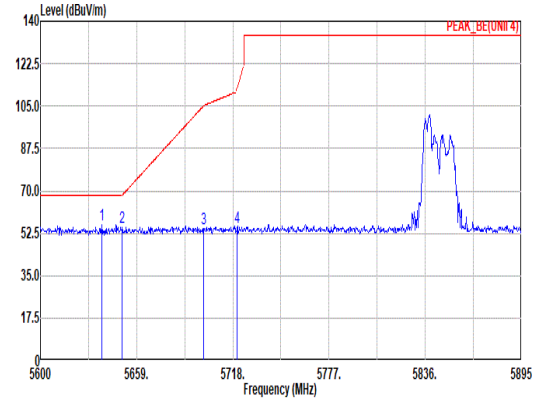
Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

	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	5845.00	103.60	------	------	91.76	34.07	11.28	33.51	0.00	200	35	AVERAGE

Mode	73	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 52/37_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.25 54.32 88.75 -34.43 42.05 34.30 11.56 33.59 0.00 200 35 PEAK 2 5951.25 55.90 88.20 -32.30 43.57 34.30 11.65 33.62 0.00 200 35 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5925.00 46.20 68.20 -22.00 33.93 34.30 11.57 33.60 0.00 200 35 AVERAGE 2 5925.75 46.40 68.20 -21.80 34.13 34.30 11.57 33.60 0.00 200 35 AVERAGE	Blank

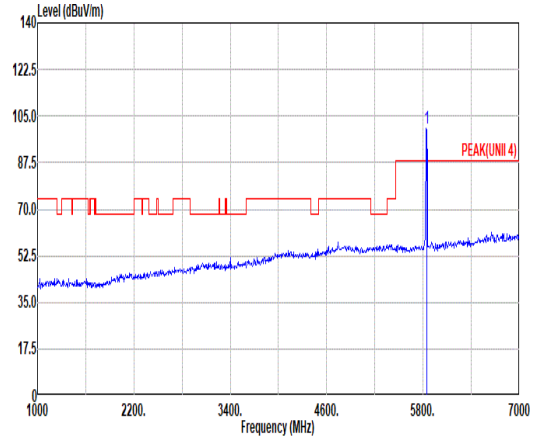
Mode	73	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 52/37_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5637.76	56.00	68.20	-12.20	44.91	33.18	11.22	33.31	0.00	400	112	PEAK
2	5650.15	54.78	68.31	-13.53	43.68	33.20	11.22	33.32	0.00	400	112	PEAK
3	5700.01	54.52	105.20	-50.68	43.09	33.60	11.20	33.37	0.00	400	112	PEAK
4	5720.66	55.14	112.29	-57.15	43.66	33.68	11.19	33.39	0.00	400	112	PEAK

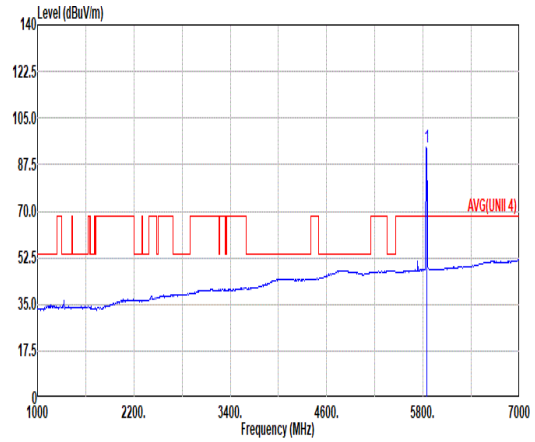


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	100.30	------	------	88.46	34.07	11.28	33.51	0.00	400	112	PEAK

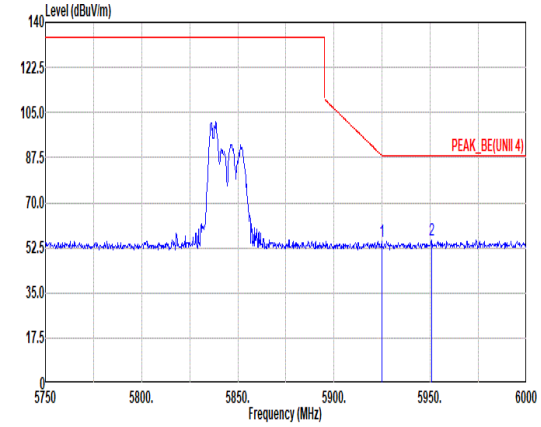
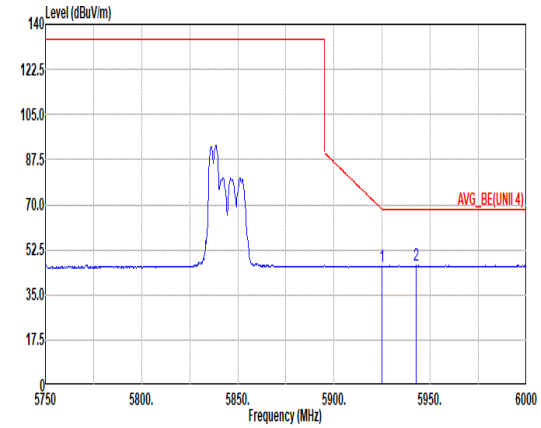
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

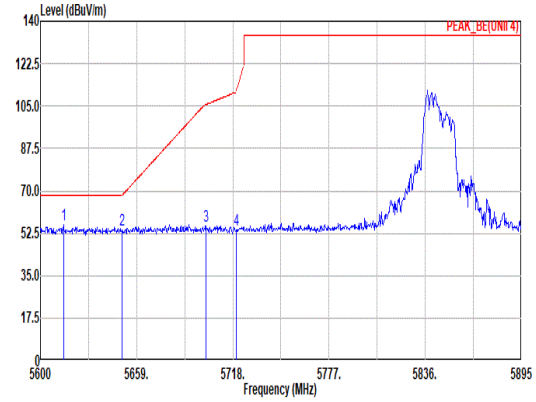
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5845.00	94.11	------	------	82.27	34.07	11.28	33.51	0.00	400	112	AVERAGE

Mode	73	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 52/37_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.75 54.70 88.38 -33.68 42.42 34.30 11.57 33.59 0.00 400 112 PEAK 2 5950.75 55.67 88.20 -32.53 43.34 34.30 11.65 33.62 0.00 400 112 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5925.00 45.98 68.20 -22.22 33.71 34.30 11.57 33.60 0.00 400 112 AVERAGE 2 5942.75 46.33 68.20 -21.87 34.02 34.30 11.62 33.61 0.00 400 112 AVERAGE	Blank

Mode	74
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 106/53_5845MHz
ANT	4+3

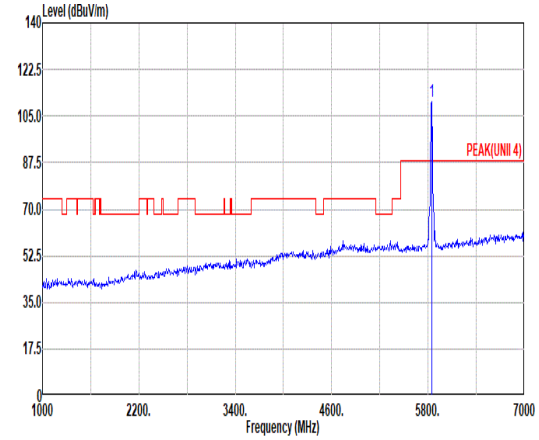
Pol.	Horizontal	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5614.16	56.16	68.20	-12.04	45.08	33.13	11.23	33.28	0.00	203	35	PEAK
2	5650.15	53.85	68.31	-14.46	42.75	33.20	11.22	33.32	0.00	203	35	PEAK
3	5701.48	55.44	105.62	-50.18	44.00	33.61	11.20	33.37	0.00	203	35	PEAK
4	5720.07	54.10	110.95	-56.85	42.62	33.68	11.19	33.39	0.00	203	35	PEAK

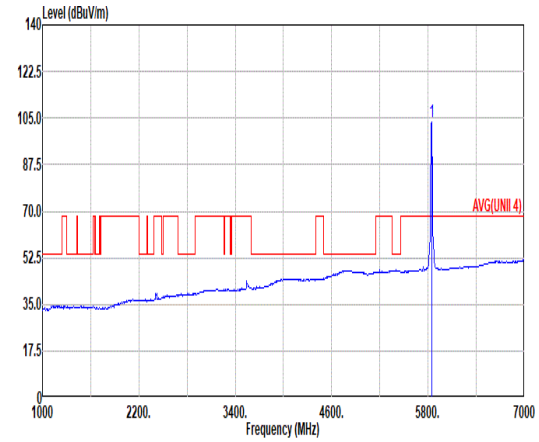


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	110.54	------	------	98.67	34.08	11.30	33.51	0.00	203	35	PEAK

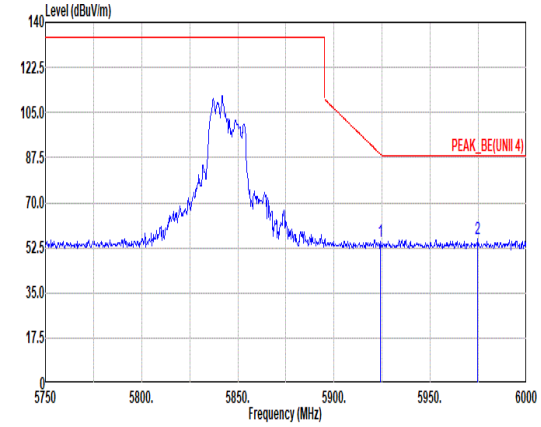
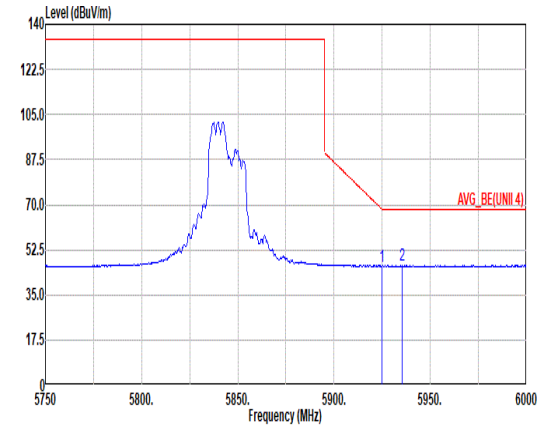
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 HORIZONTAL
: RBW:1000.000kHz VBW:1.000kHz SWT:Auto

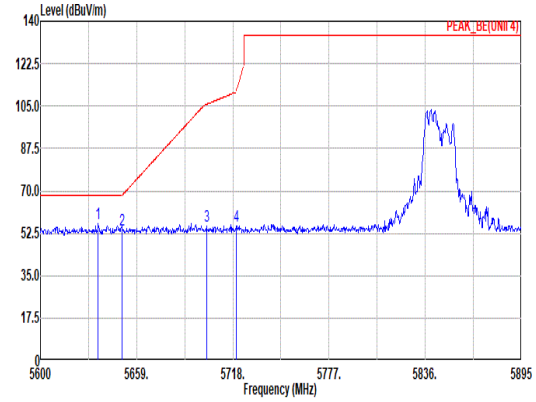
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5845.00	103.47	------	------	91.60	34.08	11.30	33.51	0.00	203	35	AVERAGE

Mode	74	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 106/53_5845MHz	
ANT	4+3	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.25 55.17 88.75 -33.58 42.90 34.30 11.56 33.59 0.00 203 35 PEAK 2 5974.75 56.00 88.20 -32.20 43.66 34.25 11.73 33.64 0.00 203 35 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5925.00 46.19 68.20 -22.01 33.92 34.30 11.57 33.60 0.00 203 35 AVERAGE 2 5935.50 46.47 68.20 -21.73 34.18 34.30 11.60 33.61 0.00 203 35 AVERAGE	Blank

Mode	74
	Band Edge - L
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 106/53_5845MHz
ANT	4+3

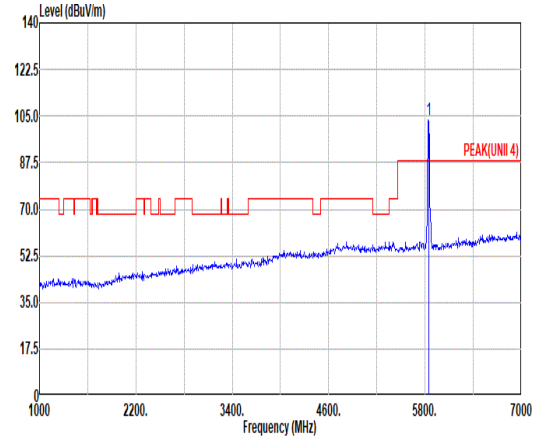
Pol.	Vertical	Fundamental

Peak



Site : 03CH12-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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	5635.40	56.37	68.20	-11.83	45.28	33.17	11.23	33.31	0.00	300	227	PEAK
2	5650.15	54.06	68.31	-14.25	42.96	33.20	11.22	33.32	0.00	300	227	PEAK
3	5701.78	55.36	105.70	-50.34	43.92	33.61	11.20	33.37	0.00	300	227	PEAK
4	5720.07	55.31	110.95	-55.64	43.83	33.68	11.19	33.39	0.00	300	227	PEAK

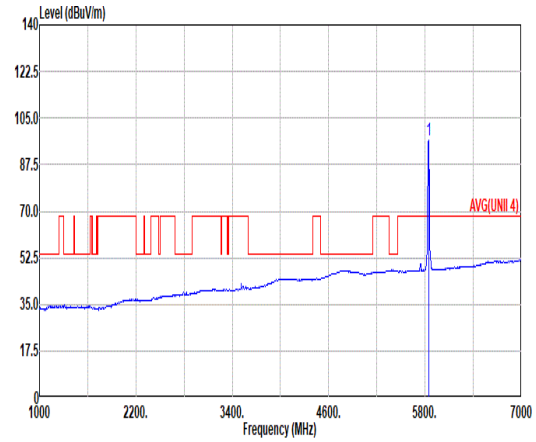


Site : 03CH12-HY
Condition: PEAK(UNII 4) 3m 9120D-02114-240711 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5845.00	103.32	------	------	91.48	34.07	11.28	33.51	0.00	300	227	PEAK

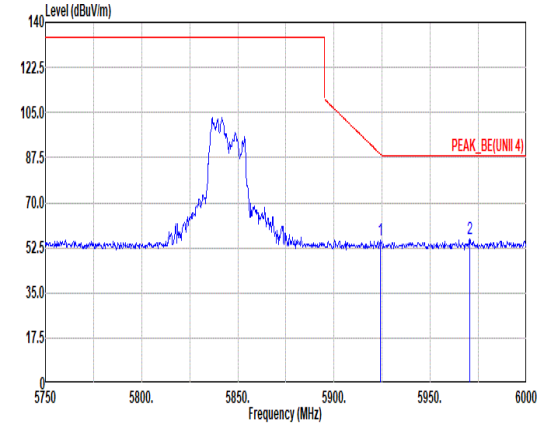
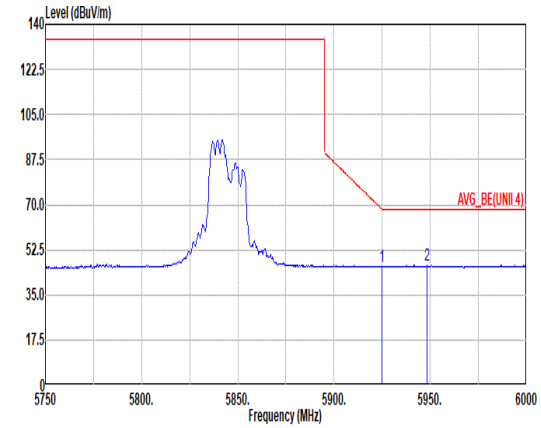
Avg.

Blank



Site : 03CH12-HY
Condition: AVG(UNII 4) 3m 9120D-02114-240711 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	5845.00	96.51	------	------	84.64	34.08	11.30	33.51	0.00	300	227	AVERAGE

Mode	74	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH169_Partial 106/53_5845MHz	
ANT	4+3	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition: PEAK_BE(UNII 4) 3m 9120D-02114-240711 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 5924.00 55.52 88.93 -33.41 43.25 34.30 11.56 33.59 0.00 300 227 PEAK 2 5970.50 56.20 88.20 -32.00 43.87 34.26 11.71 33.64 0.00 300 227 PEAK	Blank
Avg.	 Site : 03CH12-HY Condition: AVG_BE(UNII 4) 3m 9120D-02114-240711 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 5925.00 46.03 68.20 -22.17 33.76 34.30 11.57 33.60 0.00 300 227 AVERAGE 2 5948.25 46.46 68.20 -21.74 34.14 34.30 11.64 33.62 0.00 300 227 AVERAGE	Blank