FCC RADIO TEST REPORT

FCC ID	:	**2A3G3-WMU721X**
Equipment	:	**Wi-Fi 802.11ax 2x2 Tri-band Module**
Brand Name	:	**Emwicon**
Model Name	:	**WMU721X (X=2,3,4,5,6,7)**
Applicant	:	**Emwicon Corporation** **7F.-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)**
Manufacturer	:	**Emwicon Corporation** **7F.-5, No. 258, Liancheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)**
Standard	:	**FCC Part 15 Subpart E §15.407**

The product was received on May 16, 2024 and testing was performed from Jun. 15, 2024 to Sep. 25, 2024. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issue Date
FR450901F	01	Initial issue of report	Oct. 15, 2024
FR450901F	02	Revise Antenna information This report is an updated version, replacing the report issued on Oct. 15, 2024.	Oct. 24, 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	0.21 dB under the limit at 11670.00 MHz
3.5	15.207	AC Conducted Emission	Pass	15.20 dB under the limit at 0.18 MHz
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The purpose of different model name is for connector and interface.

Reviewed by: Keven Cheng

Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature	
General Specs	Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ax, Wi-Fi 5GHz 802.11a/n/ac/ax, and Wi-Fi 6GHz 802.11ax.
Sample 1	WMU7212
Sample 2	WMU7213
Sample 3	WMU7214-U
Sample 4	WMU7214-P
Sample 5	WMU7215-U
Sample 6	WMU7215-P
Sample 7	WMU7216-U
Sample 8	WMU7216-P
Sample 9	WMU7217-U
Sample 10	WMU7217-P
Antenna Type	**Dipole Antenna:** <Model: RFA-27-H60-B-C1035-1> <Model: RFA-27-H60-B-C1035-4> <Model: RFA-27-C2-B-C1035-1> <Model: RFA-27-C2-B-C1035-4> <Model: ADT7352> <Model: RFA-27-C55-U-B70-1> <Model: RFA-27-C55-U-B70-4> <Model: RFA-27-AP152R-C1035> <Model: RFA-27-AP152R-4BC1035> <Model: RFA-27-JP326-C1035> <Model: RFA-27-JP326-4BC1035> **PCB Antenna:** <Model: ATB7214>

Antenna information		
5850 MHz ~ 5895 MHz	**Antenna Model Name**	**Peak Gain (dBi)**
	RFA-27-H60-B-C1035-1	<Ant. 0>: 3.37 <Ant. 1>: 3.37
	RFA-27-H60-B-C1035-4	<Ant. 0>: 3.37 <Ant. 1>: 3.37
	RFA-27-C2-B-C1035-1	<Ant. 0>: 2.59 <Ant. 1>: 2.59
	RFA-27-C2-B-C1035-4	<Ant. 0>: 2.59 <Ant. 1>: 2.59
	RFA-27-C55-U-B70-1	<Ant. 0>: 4.19 <Ant. 1>: 4.19
	RFA-27-C55-U-B70-4	<Ant. 0>: 4.19 <Ant. 1>: 4.19
	RFA-27-JP326-C1035	<Ant. 0>: 4.34 <Ant. 1>: 4.34
	RFA-27-JP326-4BC1035	<Ant. 0>: 4.34 <Ant. 1>: 4.34
	RFA-27-AP152R-C1035	<Ant. 0>: 4.14 <Ant. 1>: 4.14
	RFA-27-AP152R4BC1035	<Ant. 0>: 4.14 <Ant. 1>: 4.14
	ATD7352	<Ant. 0>: 3.73 <Ant. 0>: 3.73
	ATB7214	<Ant. 0>: 4.92 <Ant. 1>: 4.92

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. The Sample 1~10 has identical PCB layout only path loss difference & the sample 3~10 have same trace design only Connector is difference ,above is declared by manufacturer

1.1.1Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

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

UNII-4	Ant 0 (dBi)	Ant 1 (dBi)	DG for Power (dBi)	DG for PSD (dBi)
	4.92	4.92	4.92	7.93

Calculation example:

If a device has two antenna, G_{ANT0}= 4.92dBi; G_{ANT1}=4.92dBi

Directional gain of power measurement = max(4.92, 4.92) + 0 = 7.93 dBi

Directional gain of PSD derived from formula which is

10 x log { { [10^ (4.92 dBi / 20) + 10^ (4.92 dBi / 20)] ^ 2 } / 2 }

= 7.93 dBi

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, CO07-HY, 03CH16-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

According to the specifications of 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	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

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

2.2 Test Mode

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

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

Single Antenna

Modulation	Data Rate
802.11a	6Mbps

MIMO Antenna

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Bluetooth Link + Adapter for Sample 1

Remark:

1. For Conducted test items, Sample 1~10 are verified and the worst case is Sample 7. The report only performed Sample 7 test results.
2. For Radiated spurious emissions, tests were performed with high-gain antennas in dipole &PCB antenna.
3. For Radiated Test Cases, the tests were performed with Sample 1, 2, 7, and 8.

<Sample 1>

MIMO <Ant. 0+1>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels
		802.11ax HE20
L	Low	-
M	Middle	-
H	High	177

<Sample 2>

MIMO <Ant. 0+1>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels
		802.11ax HE20
L	Low	-
M	Middle	-
H	High	177

<Sample 7>

<Ant. 0>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels
		802.11a
L	Low	169
M	Middle	173
H	High	177

<Ant. 1>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels
		802.11a
L	Low	169
M	Middle	173
H	High	177

MIMO <Ant. 0+1>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels			
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80	802.11ax HE20
L	Low	169	167	-	-
M	Middle	173	-	171	-
H	High	177	175	-	177

<Sample 8>

<Ant. 0>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels
		802.11a
L	Low	169
M	Middle	173
H	High	177

<Ant. 1>

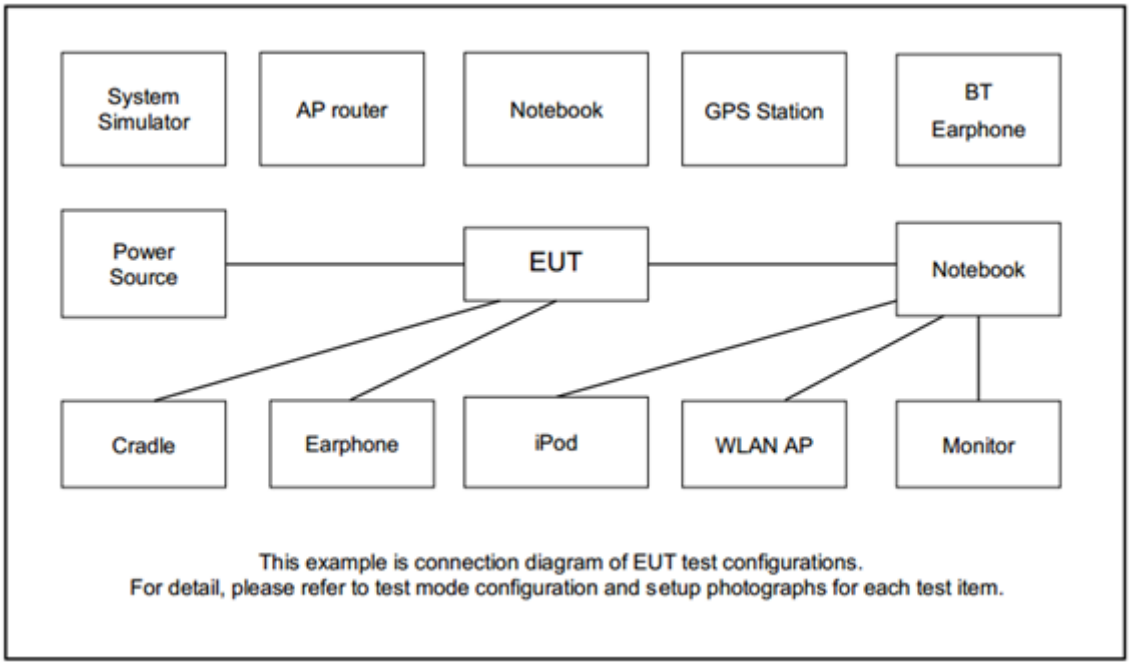
Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels
		802.11a
L	Low	169
M	Middle	173
H	High	177

MIMO <Ant. 0+1>

Ch. #		RF test channel of UNII-4 and UNII-3 &-4 span channels			
		802.11ac VHT20	802.11ac VHT40	802.11ac VHT80	802.11ax HE40
L	Low	169	167	-	167
M	Middle	173	-	171	-
H	High	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



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	Netgear	RAXE500	PY320300508	N/A	Unshielded,1.8m
3.	Notebook	Dell	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Adapter	Sunward	AD36AM050600	FCC DoC	N/A	Unshielded, 1.2m
5.	Fixture	AAEON	UPS-APLC2-A20-0432	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4.0.00211.0” 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

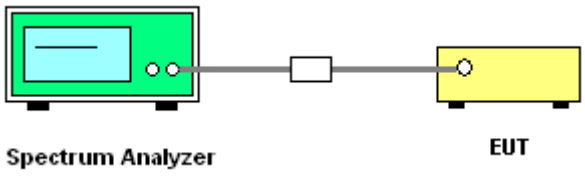
See list of measuring equipment of this test report.

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

See list of measuring equipment of this test report.

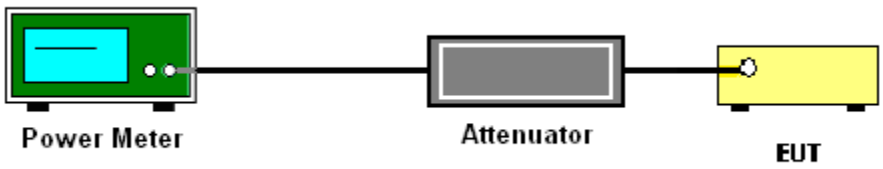
3.2.3 Test Procedures

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

See list of measuring equipment of 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 #

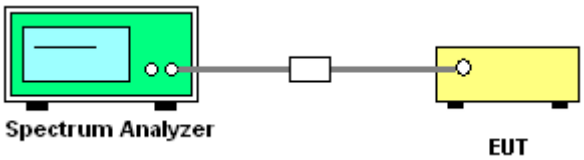
(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- 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.
4. 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)(i), all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of −7 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

See list of measuring equipment of this test report.

3.4.3 Test Procedures

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

   (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz

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

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

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

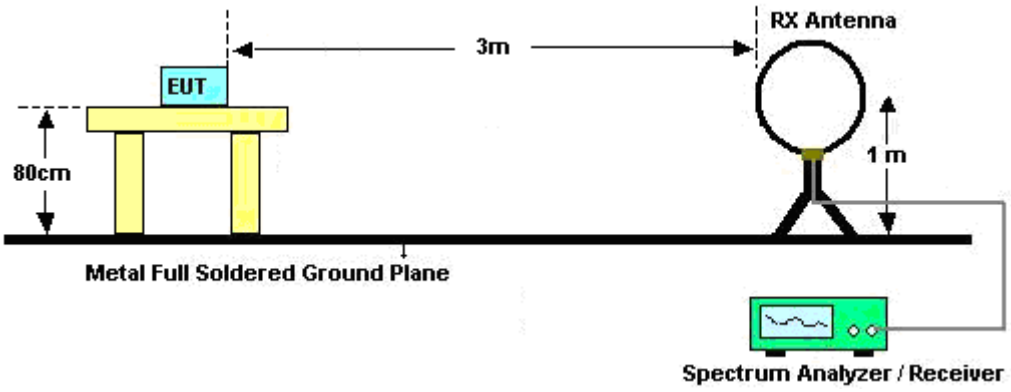
   (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz

   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

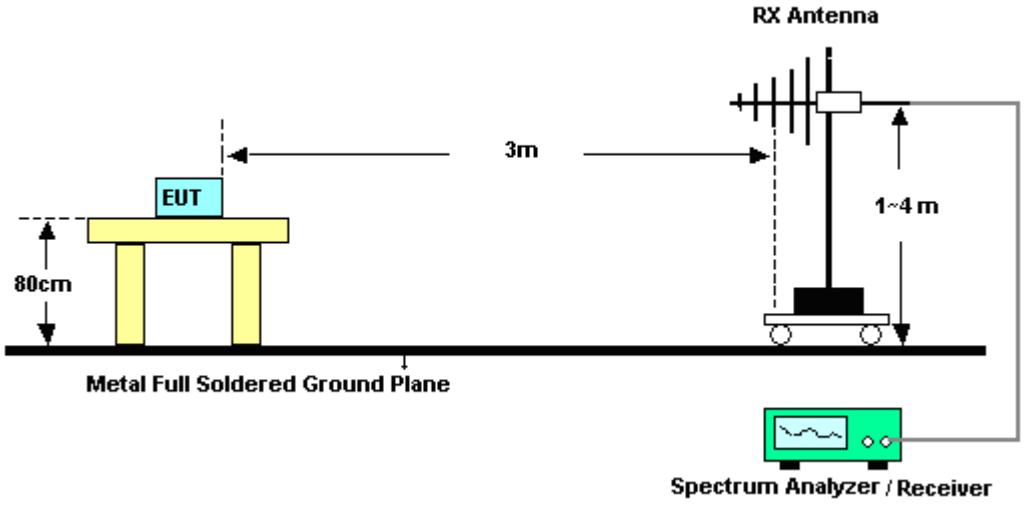
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT was placed at distance 3 meter from measurement antenna which was mounted on the top of a variable height antenna tower.
4. The measurement antenna 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

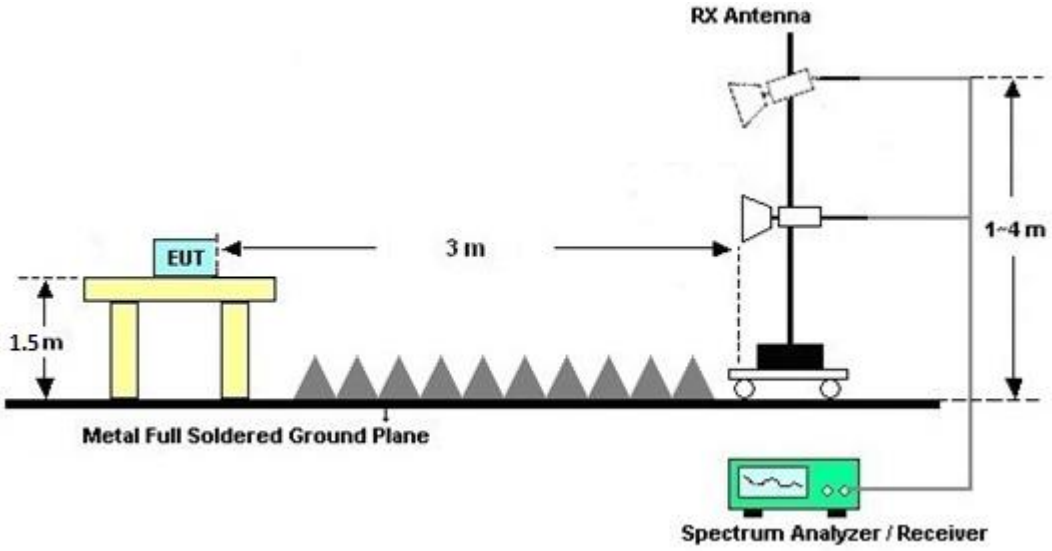
For radiated emissions below 30MHz



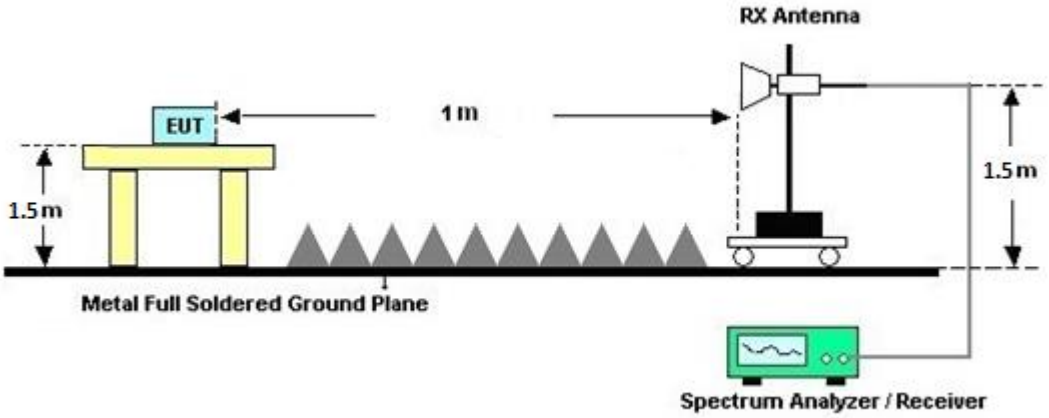
For radiated emissions from 30MHz to 1GHz



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 Result of Radiated Band Edges

Please refer to Appendix C.

3.4.7 Duty Cycle

Please refer to Appendix D.

3.4.8 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.

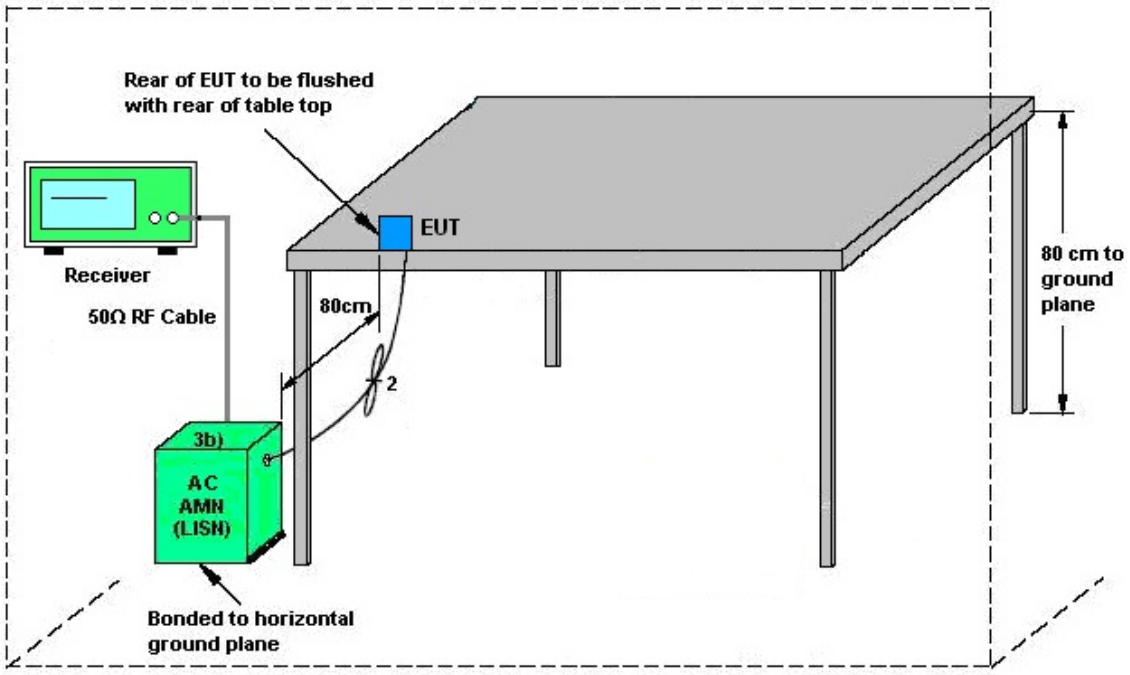
3.5.2 Measuring Instruments

See list of measuring equipment of 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



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

3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.6 Antenna Requirements

3.6.1 Standard Applicable

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

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Aug. 05, 2024~ Sep. 10, 2024	Sep. 11, 2024	Radiation (03CH16-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Sep. 11, 2024~ Sep. 25, 2024	Aug. 28, 2025	Radiation (03CH16-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 24, 2023	Aug. 05, 2024~ Sep. 25, 2024	Nov. 23, 2024	Radiation (03CH16-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY57290111	3Hz~26.5GHz	Dec. 04, 2023	Aug. 05, 2024~ Sep. 25, 2024	Dec. 03, 2024	Radiation (03CH16-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00802N1D01N-06	47020 & 06	30MHz to 1GHz	Oct. 07, 2023	Aug. 05, 2024~ Sep. 25, 2024	Oct. 06, 2024	Radiation (03CH16-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1G~18GHz	Mar. 28, 2024	Aug. 05, 2024~ Sep. 25, 2024	Mar. 27, 2025	Radiation (03CH16-HY)
Amplifier	SONOMA	310N	371607	9kHz~1GHz	Jul. 02, 2024	Aug. 05, 2024~ Sep. 25, 2024	Jul. 01, 2025	Radiation (03CH16-HY)
DC Power Supply	GW Instek	GPE-2323	GEU810968	0V~64V ; 0A~6A	Apr. 29, 2024	Aug. 05, 2024~ Sep. 25, 2024	Apr. 28, 2025	Radiation (03CH16-HY)
Preamplifier	Keysight	83017A	MY53270264	1GHz~26.5GHz	Dec. 07, 2023	Aug. 05, 2024~ Sep. 25, 2024	Dec. 06, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM1G18G	060812	1GHz~18GHz	Dec. 25, 2023	Aug. 05, 2024~ Sep. 25, 2024	Dec. 24, 2024	Radiation (03CH16-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Aug. 05, 2024~ Sep. 25, 2024	May 26, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN17	1.53GHz Low Pass Filter	Jan. 15, 2024	Aug. 05, 2024~ Sep. 25, 2024	Jan. 14, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX12-2700-3000-18000-60ST	SN3	3GHz High Pass Filter	Jun. 28, 2024	Aug. 05, 2024~ Sep. 25, 2024	Jun. 27, 2025	Radiation (03CH16-HY)
Filter	Wainwright	WHKX8-5872.5-6750-18000-40ST	SN27	6.75GHz High Pass Filter	Nov. 13, 2023	Aug. 05, 2024~ Sep. 25, 2024	Nov. 12, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Aug. 05, 2024~ Sep. 25, 2024	Mar. 05, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 08, 2023	Aug. 05, 2024~ Aug. 06, 2024	Aug. 07, 2024	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102/SUCOFLEX 104	EC-A5-300-5757,805935/4,802434/4	30MHz~18GHz	Aug. 07, 2024	Aug. 07, 2024~ Sep. 25, 2024	Aug. 06, 2025	Radiation (03CH16-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40GHz	Jan. 02, 2024	Aug. 05, 2024~ Sep. 25, 2024	Jan. 01, 2025	Radiation (03CH16-HY)
Software	Audix	E3 230621 V9	RK-002393	N/A	N/A	Aug. 05, 2024~ Sep. 25, 2024	N/A	Radiation (03CH16-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Aug. 05, 2024~ Sep. 25, 2024	N/A	Radiation (03CH16-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Aug. 05, 2024~ Sep. 25, 2024	N/A	Radiation (03CH16-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Aug. 05, 2024~ Sep. 25, 2024	N/A	Radiation (03CH16-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Jul. 10, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Jul. 10, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz-200MHz	Oct. 20, 2023	Jul. 10, 2024	Oct. 19, 2024	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Jul. 10, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Jul. 10, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Jul. 10, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 20, 2023	Jul. 10, 2024	Sep. 19, 2024	Conduction (CO07-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 07, 2023	Jun. 15, 2024~ Sep. 05, 2024	Nov. 06, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35_144)	10MHz~6GHz	Aug. 23, 2023	Jun. 15, 2024~ Aug. 21, 2024	Aug. 22, 2024	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17I00015SNO36 (NO:35_144)	10MHz~6GHz	Aug. 20, 2024	Aug. 22, 2024~ Sep. 05, 2024	Aug. 19, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101564	10Hz ~ 40GHz	Sep. 12, 2023	Jun. 15, 2024~ Sep. 05, 2024	Sep. 11, 2024	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))	**3.44 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**6.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.50 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**5.50 dB**

Appendix A. Test Result of Conducted Test Items

Test Engineer:	MINA Liu	Temperature:	21~25	°C
Test Date:	2024/06/15~2024/08/21	Relative Humidity:	51~54	%

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

UNII-4 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
11a	6Mbps	1	169	5845	19.48	22.28	37.02	38.63	16.33	16.33	0.5	Pass
11a	6Mbps	1	173	5865	19.83	20.23	37.15	38.51	16.33	16.34	0.5	Pass
11a	6Mbps	1	177	5885	20.63	21.53	37.41	38.69	16.33	16.33	0.5	Pass

UNII-4 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
					Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
VHT20	MCS0	2	169	5845	18.13	18.13	23.97	24.37	17.56	17.57	0.5	Pass
VHT20	MCS0	2	173	5865	18.08	18.08	23.82	23.78	17.57	17.58	0.5	Pass
VHT20	MCS0	2	177	5885	18.18	18.18	24.02	24.13	17.56	17.57	0.5	Pass
VHT40	MCS0	2	167	5835	37.36	37.46	46.99	59.07	36.35	36.34	0.5	Pass
VHT40	MCS0	2	175	5875	37.66	38.06	60.45	80.94	36.33	36.34	0.5	Pass
VHT80	MCS0	2	171	5855	76.48	76.24	183.74	187.49	76.34	75.52	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 single antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	169	5845	16.90	18.00		30.00	30.00	4.92	4.92	Pass
11a	6Mbps	1	173	5865	17.00	17.70		30.00	30.00	4.92	4.92	Pass
11a	6Mbps	1	177	5885	18.40	17.50		30.00	30.00	4.92	4.92	Pass

UNII-4 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	
HT20	MCS0	2	169	5845	15.40	14.30	17.90	30.00		4.92		Pass
HT20	MCS0	2	173	5865	15.40	14.20	17.85	30.00		4.92		Pass
HT20	MCS0	2	177	5885	15.80	14.30	18.12	30.00		4.92		Pass
HT40	MCS0	2	167	5835	17.80	16.20	20.08	30.00		4.92		Pass
HT40	MCS0	2	175	5875	16.80	15.70	19.30	30.00		4.92		Pass
VHT20	MCS0	2	169	5845	15.60	14.50	18.10	30.00		4.92		Pass
VHT20	MCS0	2	173	5865	15.60	14.40	18.05	30.00		4.92		Pass
VHT20	MCS0	2	177	5885	16.00	14.50	18.32	30.00		4.92		Pass
VHT40	MCS0	2	167	5835	18.00	16.50	20.32	30.00		4.92		Pass
VHT40	MCS0	2	175	5875	17.00	15.90	19.50	30.00		4.92		Pass
VHT80	MCS0	2	171	5855	16.20	14.90	18.61	30.00		4.92		Pass

TEST RESULTS DATA
Power Spectral Density

UNII-4 single antenna																
Mod.	Data Rate	NTX	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1	
11a	6Mbps	1	169	5845	0.08	0.08	4.28	6.30		4.92	4.92	9.20	11.22	14.00	14.00	Pass
11a	6Mbps	1	173	5865	0.08	0.08	3.95	5.58		4.92	4.92	8.87	10.50	14.00	14.00	Pass
11a	6Mbps	1	177	5885	0.08	0.08	5.45	5.27		4.92	4.92	10.37	10.19	14.00	14.00	Pass

UNII-4 MIMO													
Mod.	Data Rate	NTX	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 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0 + Ant 1	Ant 0 + Ant 1	Ant 0 + Ant 1	
VHT20	MCS0	2	169	5845	0.08	0.08			6.05	7.93	13.98	14.00	Pass
VHT20	MCS0	2	173	5865	0.08	0.08			5.87	7.93	13.80	14.00	Pass
VHT20	MCS0	2	177	5885	0.08	0.08			5.84	7.93	13.77	14.00	Pass
VHT40	MCS0	2	167	5835	0.17	0.20			4.98	7.93	12.91	14.00	Pass
VHT40	MCS0	2	175	5875	0.17	0.20			3.73	7.93	11.66	14.00	Pass
VHT80	MCS0	2	171	5855	0.37	0.37			1.18	7.93	9.11	14.00	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

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

UNII-4 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	99% Bandwidth (MHz)		26dB Bandwidth (MHz)		6 dB Bandwidth (MHz)		6 dB Bandwidth Min. Limit (MHz)	Pass/Fail
						Ant 0	Ant 1	Ant 0	Ant 1	Ant 0	Ant 1		
HE20	MCS0	2	169	5845	Full	19.08	19.08	24.05	23.82	18.94	18.95	0.5	Pass
HE20	MCS0	2	173	5865	Full	19.08	19.08	24.09	23.90	18.93	18.90	0.5	Pass
HE20	MCS0	2	177	5885	Full	19.08	19.08	23.90	24.10	18.95	18.93	0.5	Pass
HE40	MCS0	2	167	5835	Full	38.76	38.96	62.42	62.82	38.05	37.97	0.5	Pass
HE40	MCS0	2	175	5875	Full	39.16	38.96	76.80	66.00	38.07	38.11	0.5	Pass
HE80	MCS0	2	171	5855	Full	77.32	77.44	96.74	81.73	77.68	77.20	0.5	Pass

TEST RESULTS DATA
Average Power Table

UNII-4 MIMO											
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config.	Average Conducted Power (dBm)			DG (dBi)	E.I.R.P Power (dBm)	E.I.R.P Limit (dBm)
						Ant 0	Ant 1	SUM	Ant 0 + Ant 1	Ant 0 + Ant 1	Ant 0 + Ant 1
HE20	MCS0	2	169	5845	Full	15.50	14.40	18.00	4.92	22.92	30
HE20	MCS0	2	173	5865	Full	15.50	14.30	17.95	4.92	22.87	30
HE20	MCS0	2	177	5885	Full	15.90	14.40	18.22	4.92	23.14	30
HE40	MCS0	2	167	5835	Full	17.90	16.30	20.18	4.92	25.10	30
HE40	MCS0	2	175	5875	Full	16.90	15.80	19.40	4.92	24.32	30
HE80	MCS0	2	171	5855	Full	16.10	14.80	18.51	4.92	23.43	30

TEST RESULTS DATA
Power Spectral Density

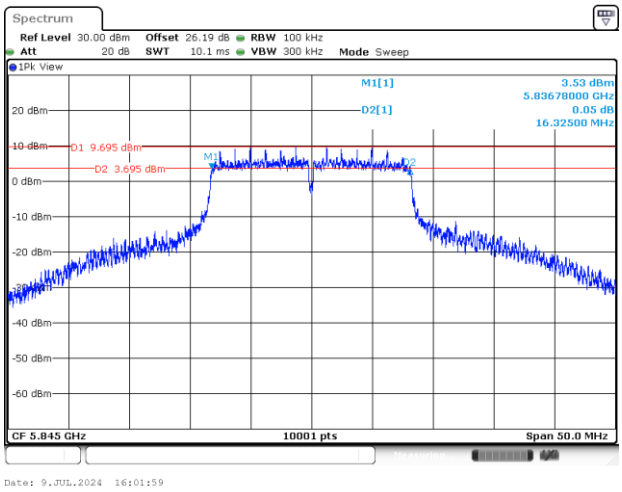
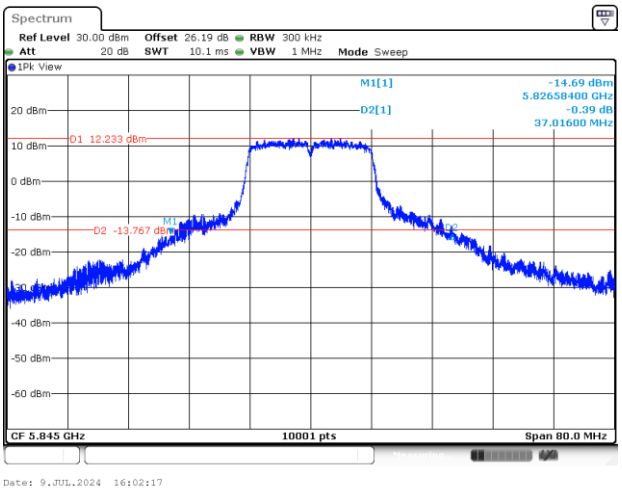
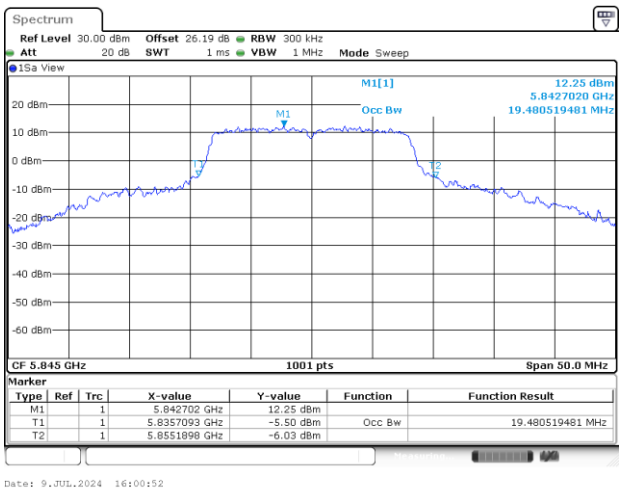
UNII-4 MIMO													
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config.	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/MHz)			DG (dBi)	EIRP PSD (dBm/MHz)	EIRP PSD Limit (dBm/MHz)	Pass /Fail
						Ant 0	Ant 1	Ant 0	Ant 1	SUM	Ant 0 + Ant 1	Ant 0 + Ant 1	Ant 0 + Ant 1	
HE20	MCS0	2	169	5845	Full	0.11	0.11			5.77	7.93	13.70	14.00	Pass
HE20	MCS0	2	173	5865	Full	0.11	0.11			5.69	7.93	13.62	14.00	Pass
HE20	MCS0	2	177	5885	Full	0.11	0.11			5.97	7.93	13.90	14.00	Pass
HE40	MCS0	2	167	5835	Full	0.21	0.21			3.99	7.93	11.92	14.00	Pass
HE40	MCS0	2	175	5875	Full	0.21	0.21			3.59	7.93	11.52	14.00	Pass
HE80	MCS0	2	171	5855	Full	0.35	0.35			1.08	7.93	9.01	14.00	Pass

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)

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

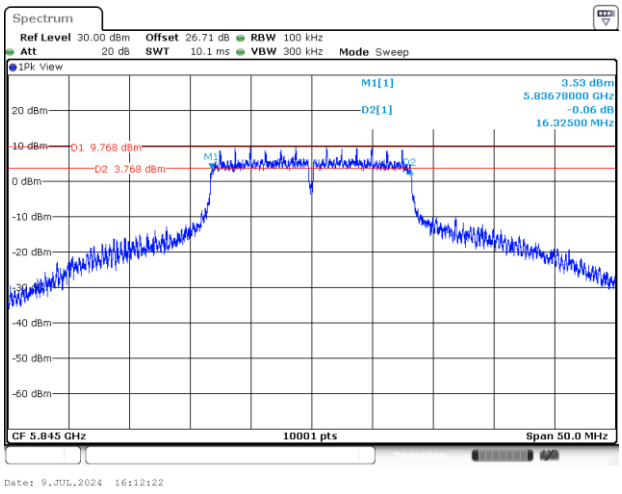
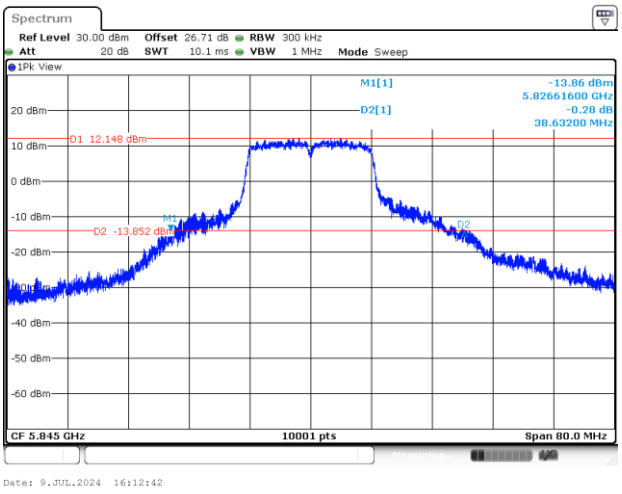
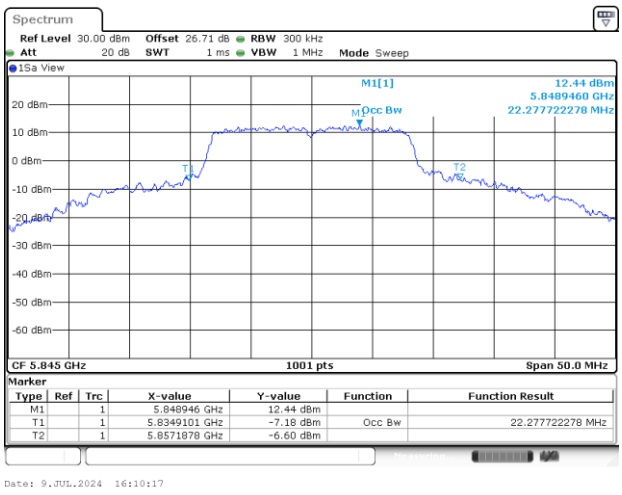
<802.11a>

<Ant. 0>

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

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

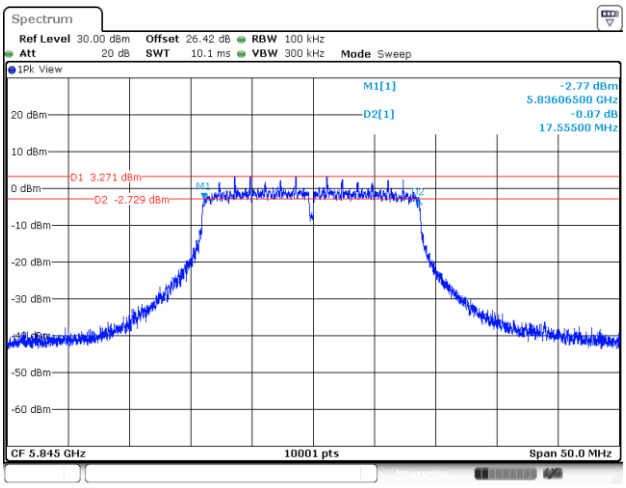
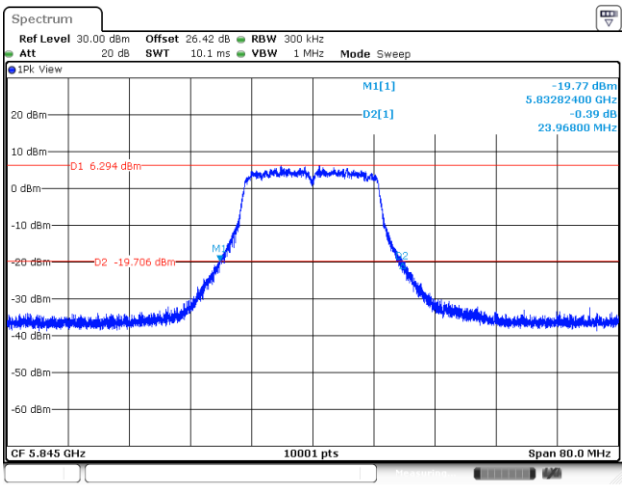
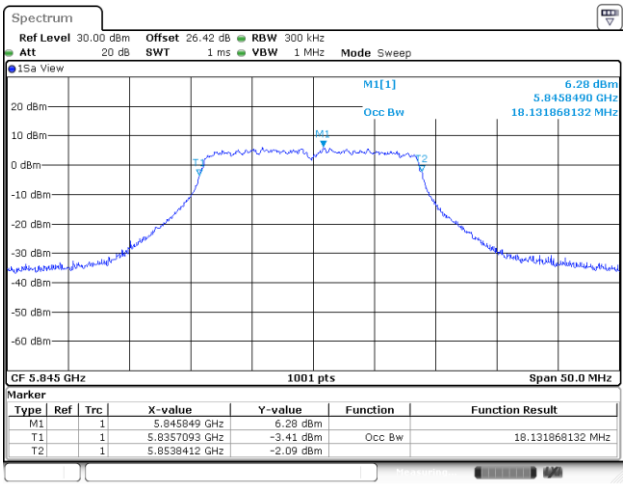
<Ant. 1>

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

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

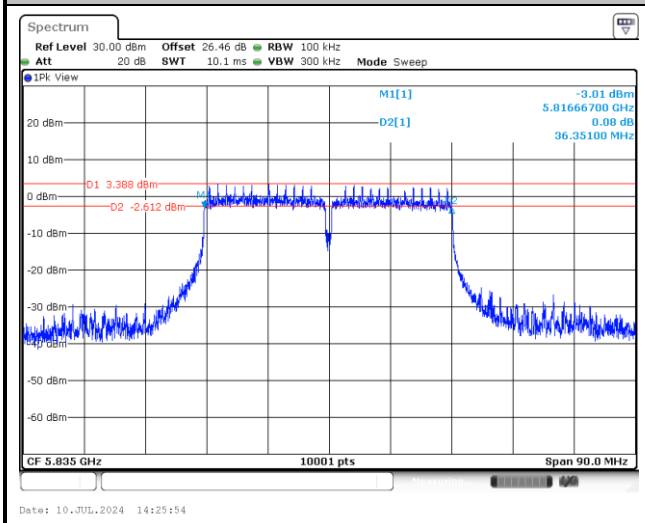
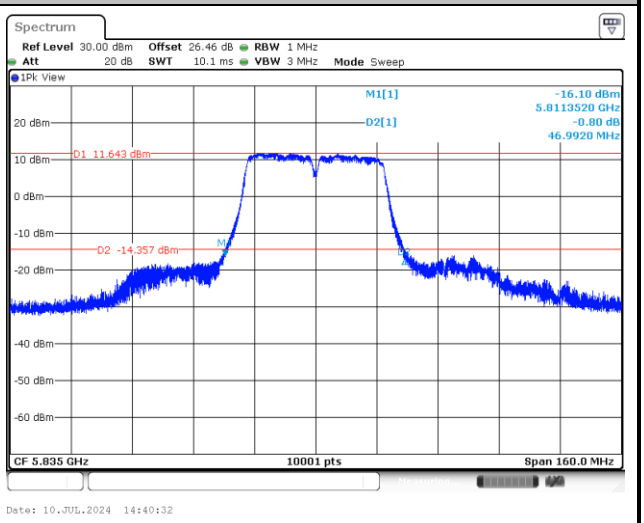
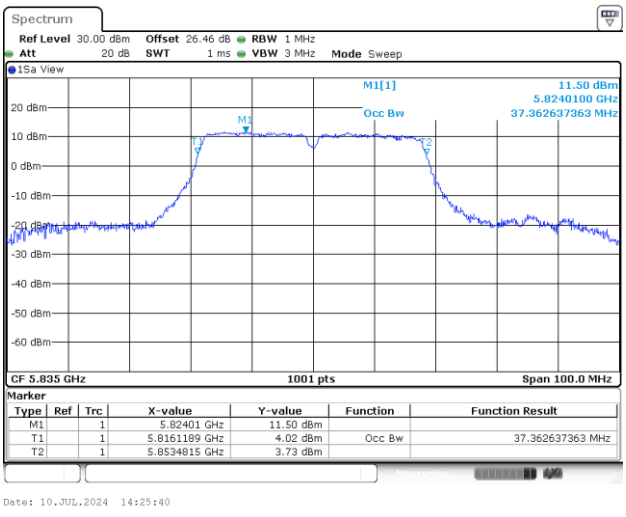
MIMO <Ant. 0+1>

<802.11ac VHT20>

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

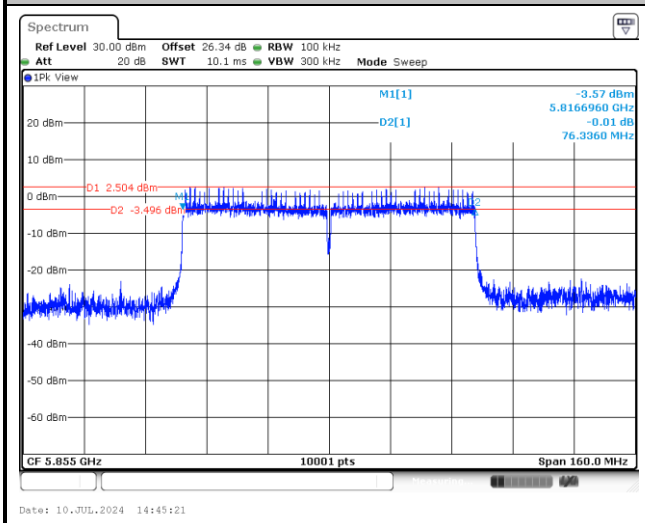
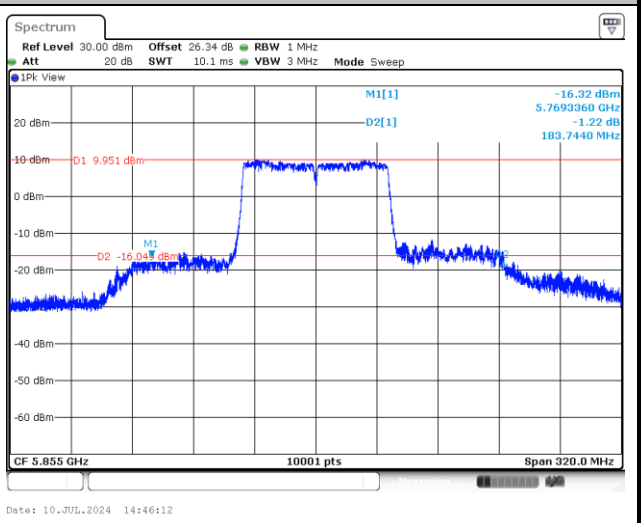
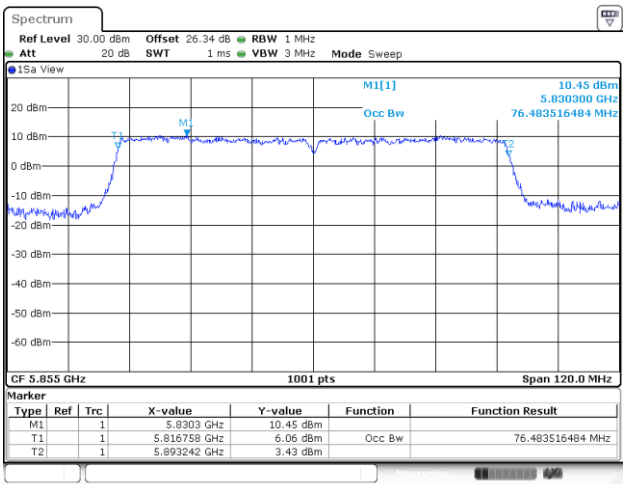
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT40>

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

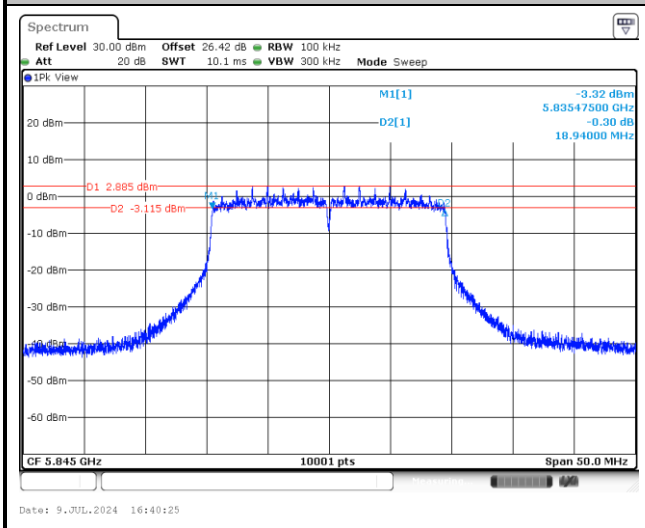
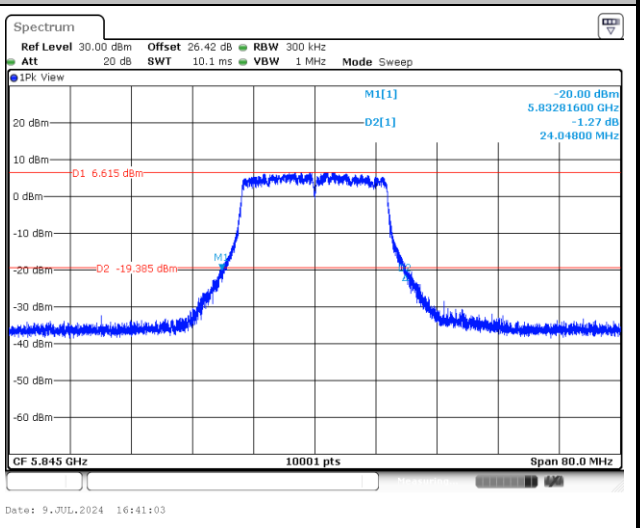
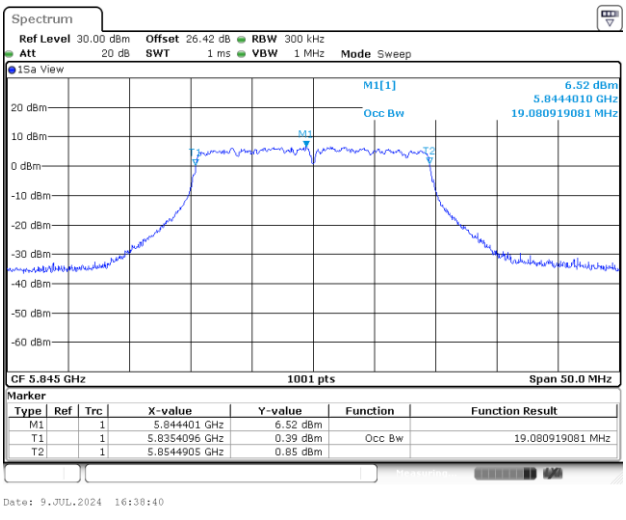
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ac VHT80>

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

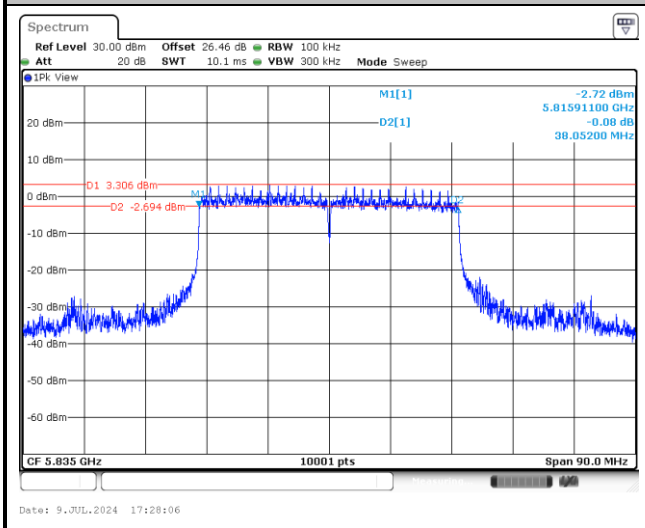
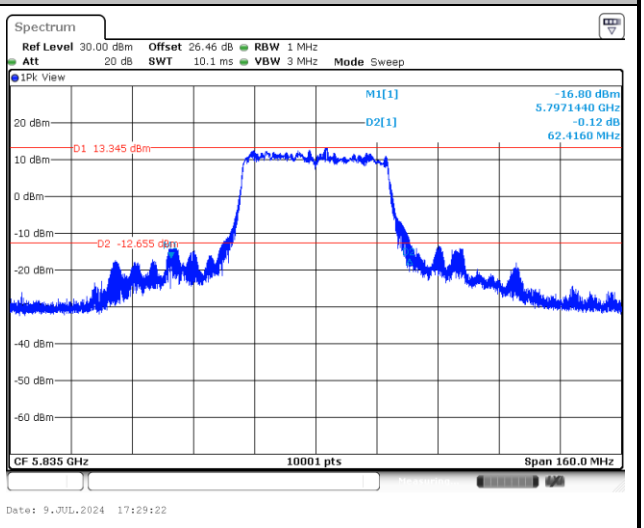
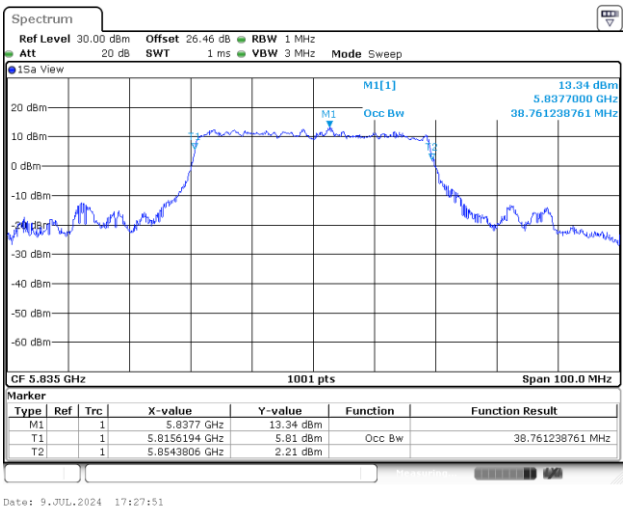
Note: The occupied channel bandwidth is maintained within the band of operation.

<802.11ax HE20>

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

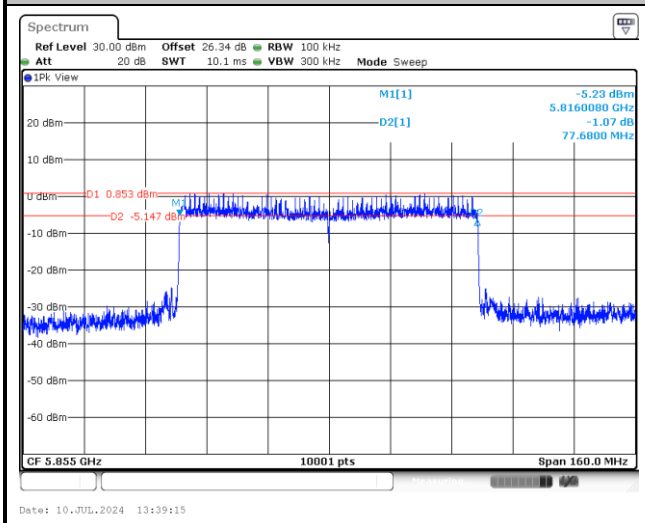
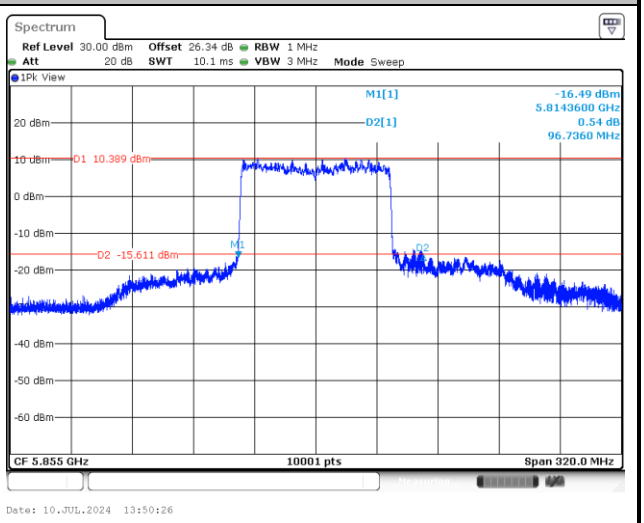
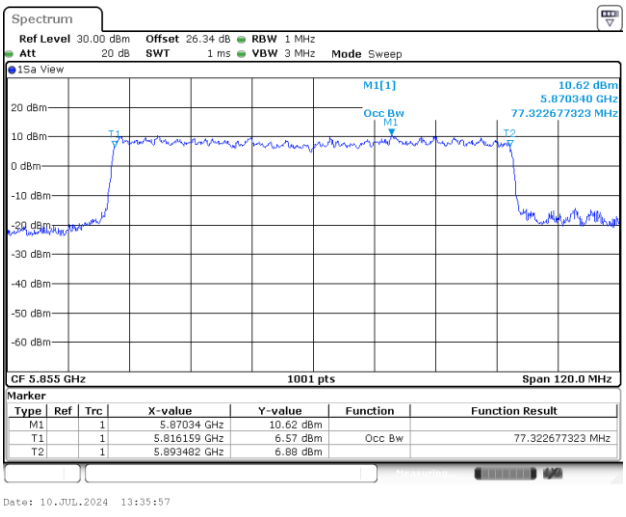
Note: The occupied channel bandwidth is maintained within the band of operation.

<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**
	

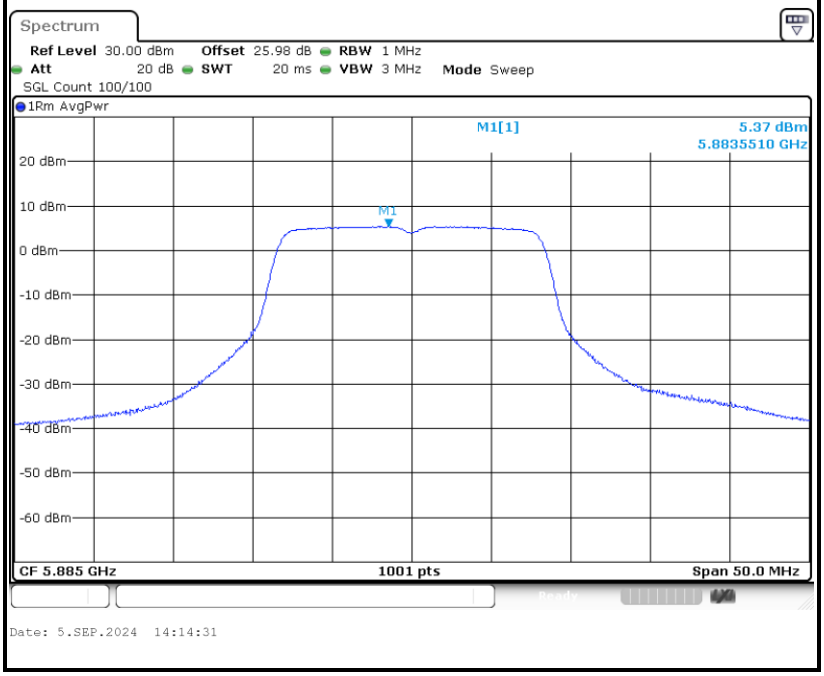
Note: The occupied channel bandwidth is maintained within the band of operation.

Test Result of Power Spectral Density

<802.11a>

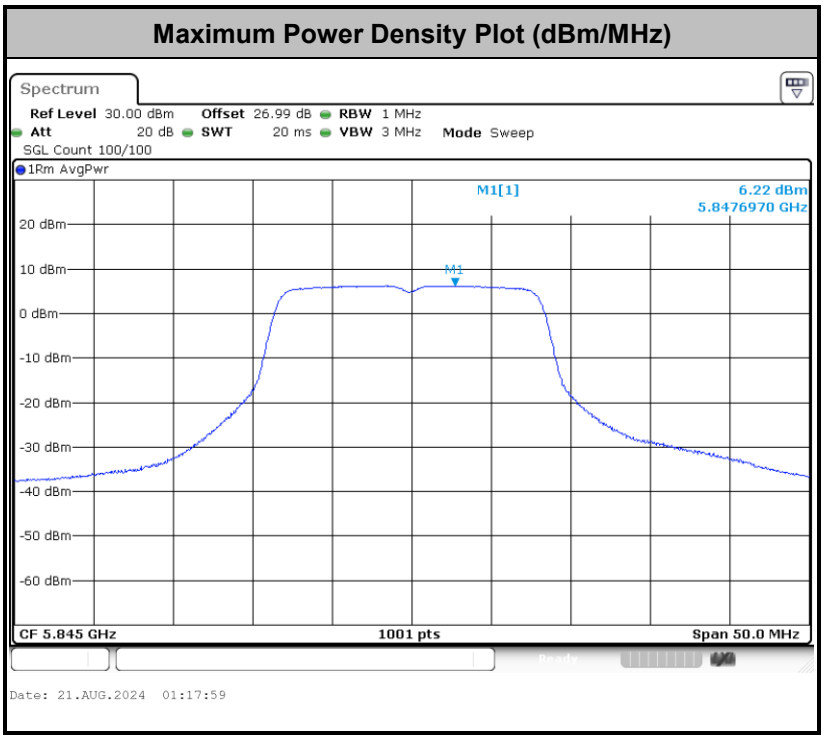
<Ant. 0>

Maximum Power Density Plot (dBm/MHz)



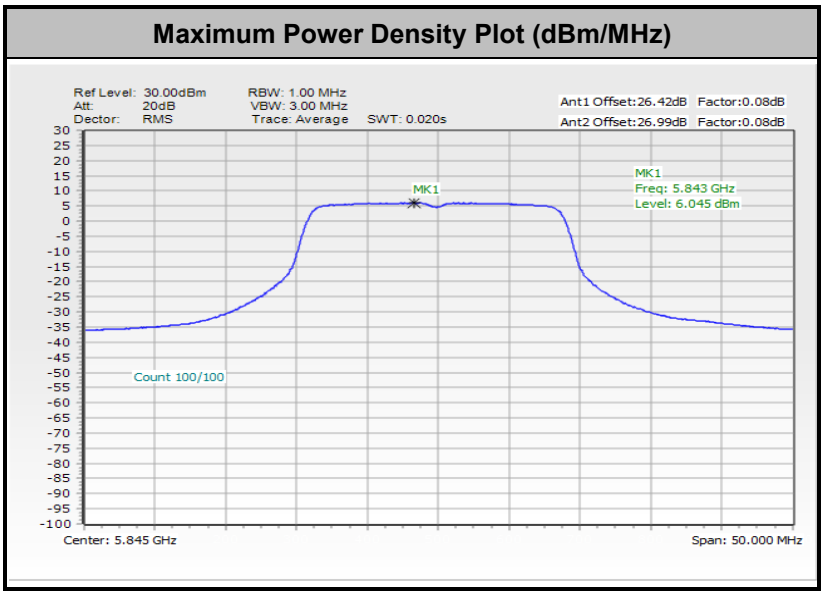
<Ant. 1>

Maximum Power Density Plot (dBm/MHz)

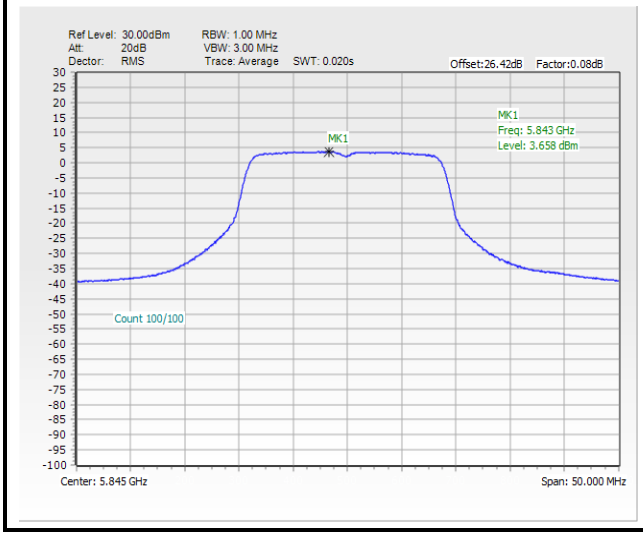
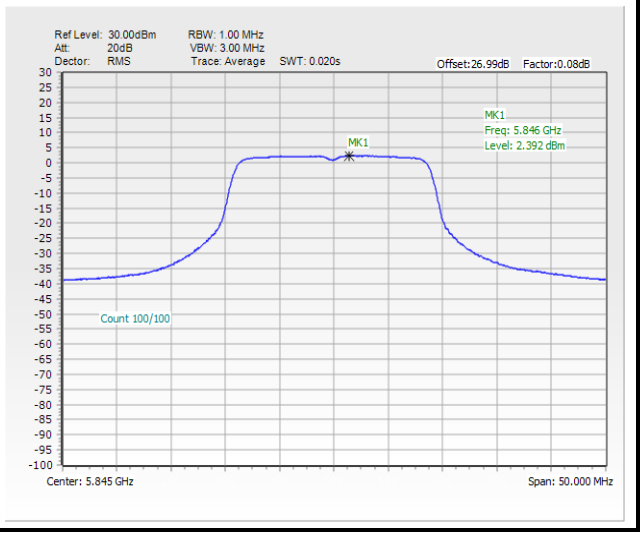


MIMO <Ant. 0+1>

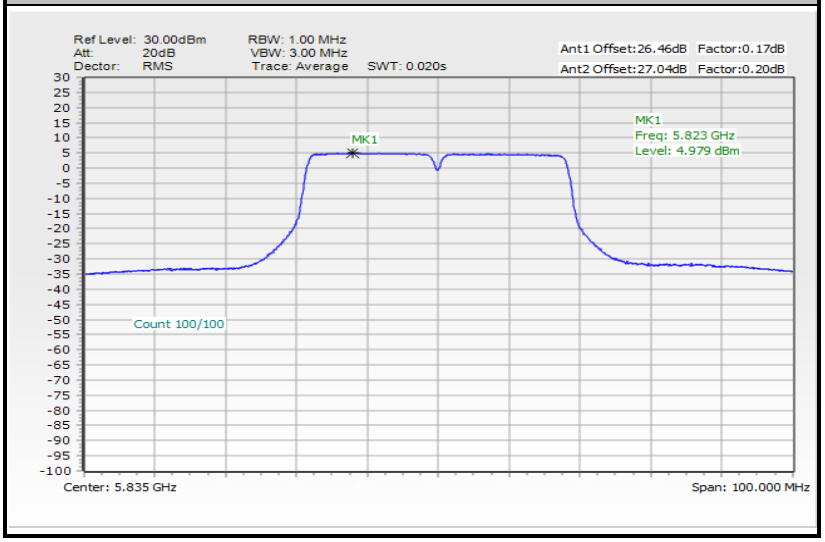
<802.11ac VHT20>

Maximum Power Density Plot (dBm/MHz)


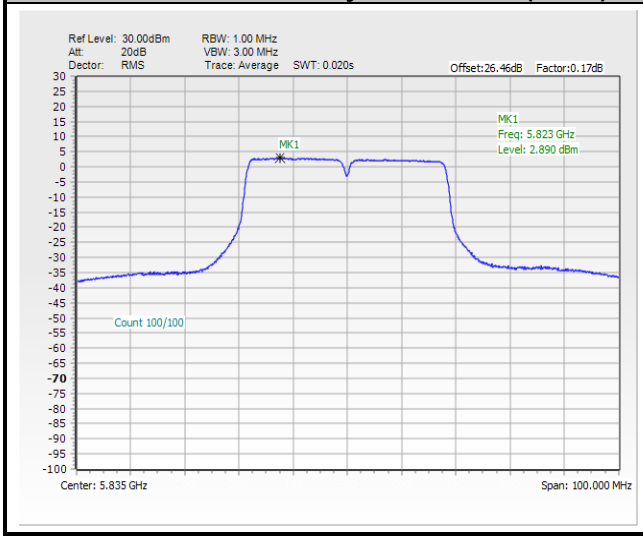
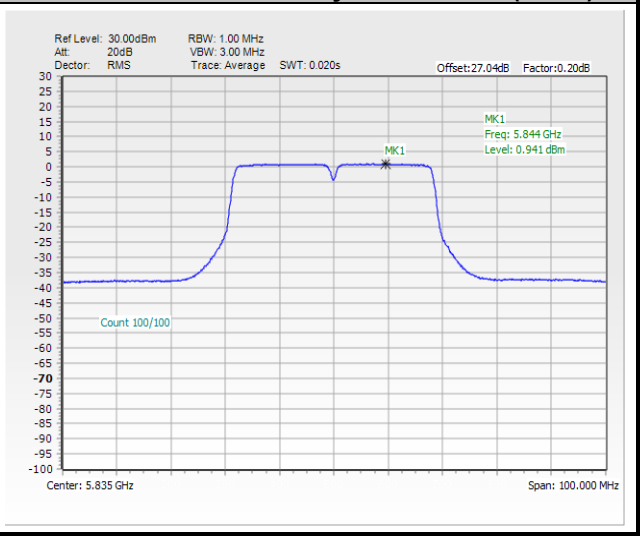
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 0 (Ant 0)	Maximum Power Density Plot Trace 1 (Ant 1)
	

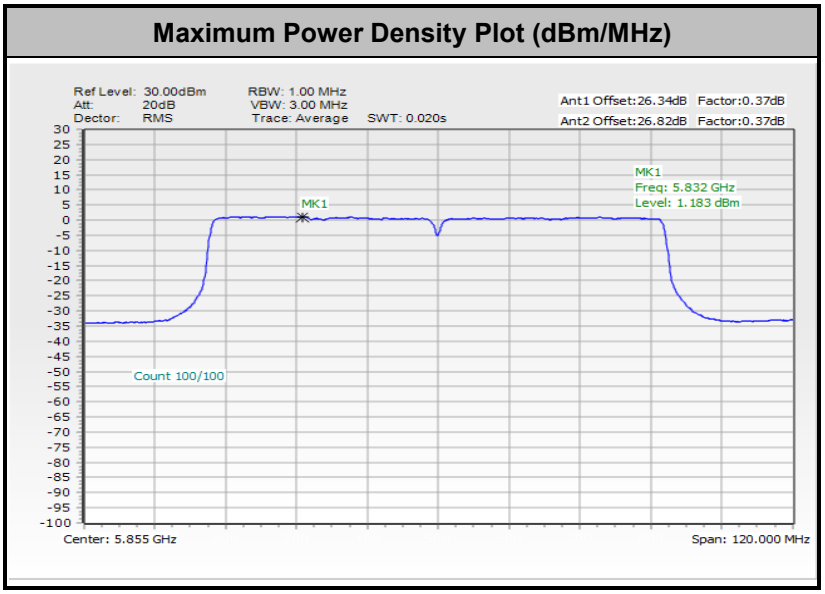
<802.11ac VHT40>

Maximum Power Density Plot (dBm/MHz)


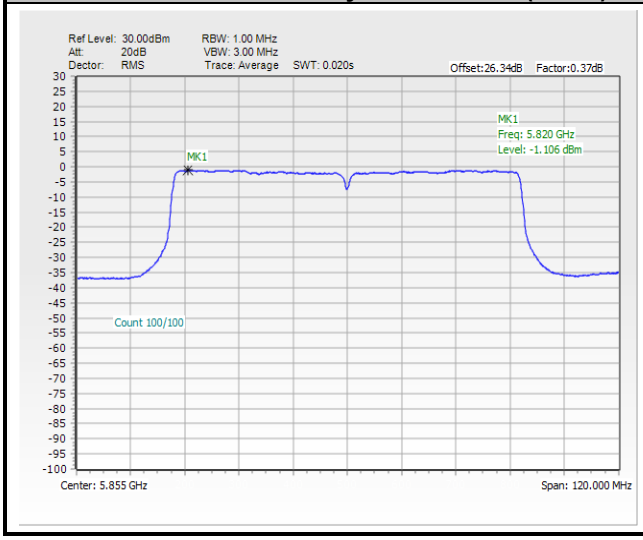
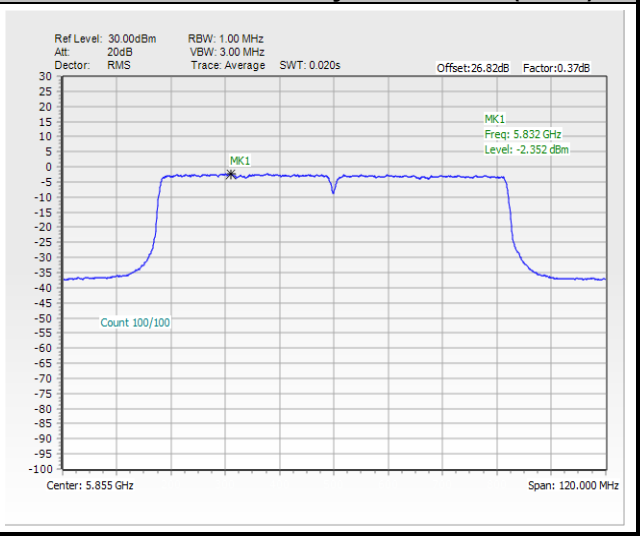
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 0 (Ant 0)	Maximum Power Density Plot Trace 1 (Ant 1)
	

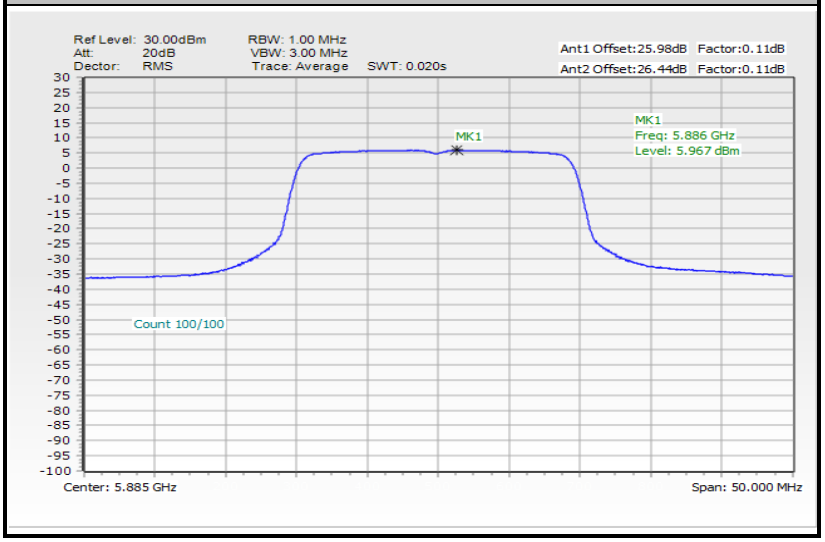
<802.11ac VHT80>

Maximum Power Density Plot (dBm/MHz)


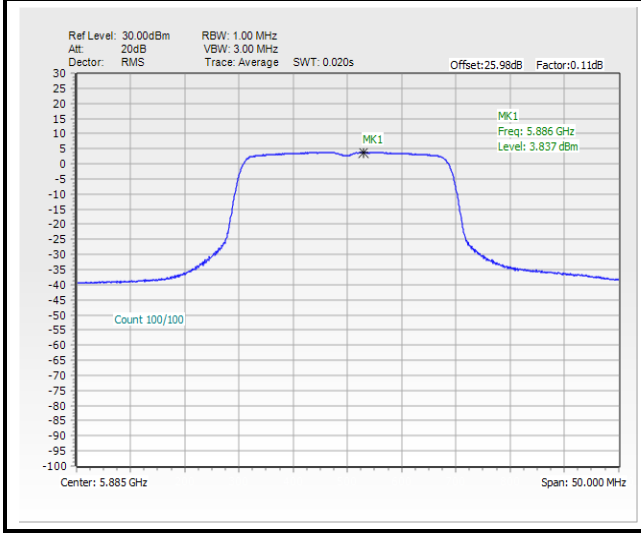
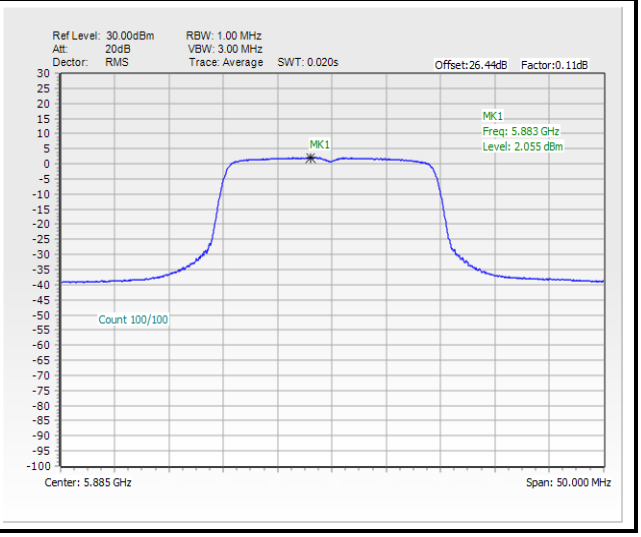
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 0 (Ant 0)	Maximum Power Density Plot Trace 1 (Ant 1)
	

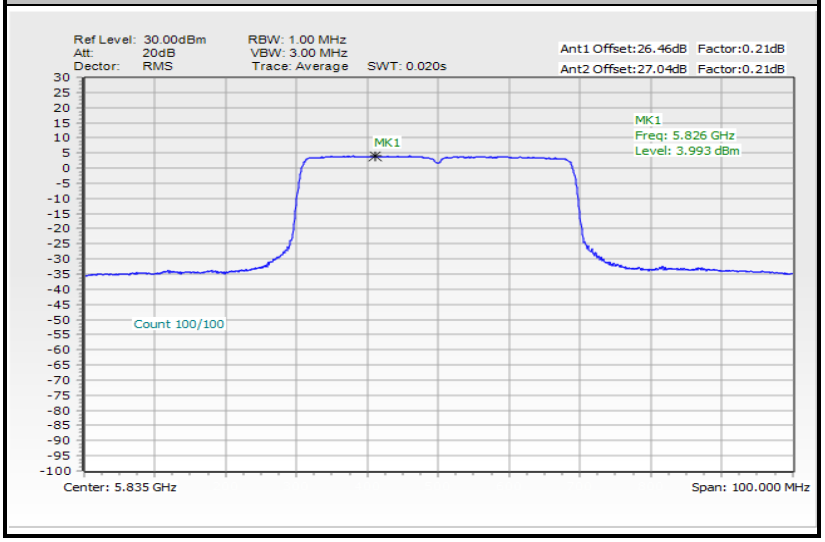
<802.11ax HE20>

Maximum Power Density Plot (dBm/MHz)


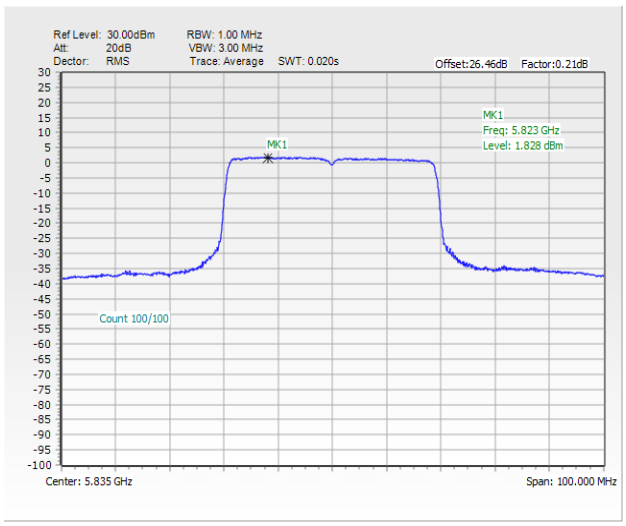
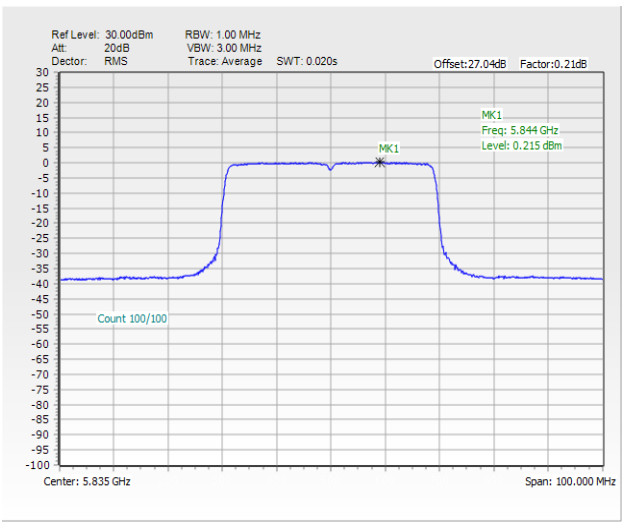
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 0 (Ant 0)	Maximum Power Density Plot Trace 1 (Ant 1)
	

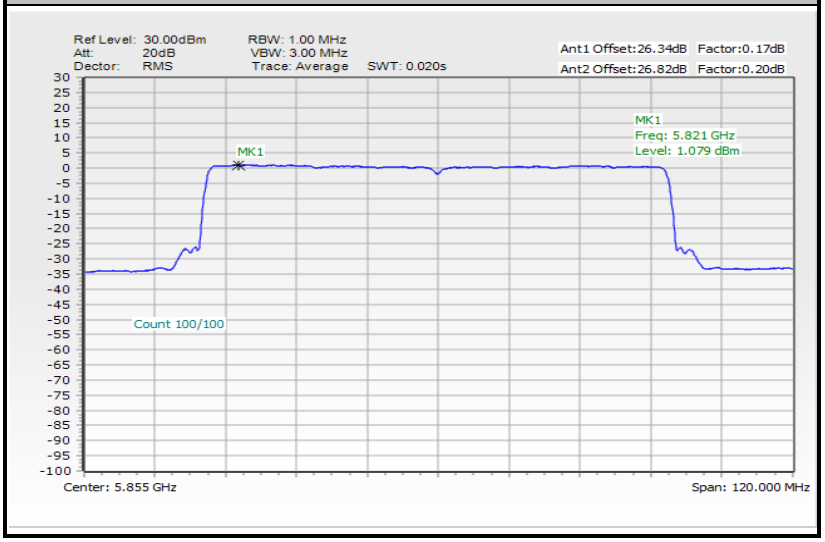
<802.11ax HE40>

Maximum Power Density Plot (dBm/MHz)


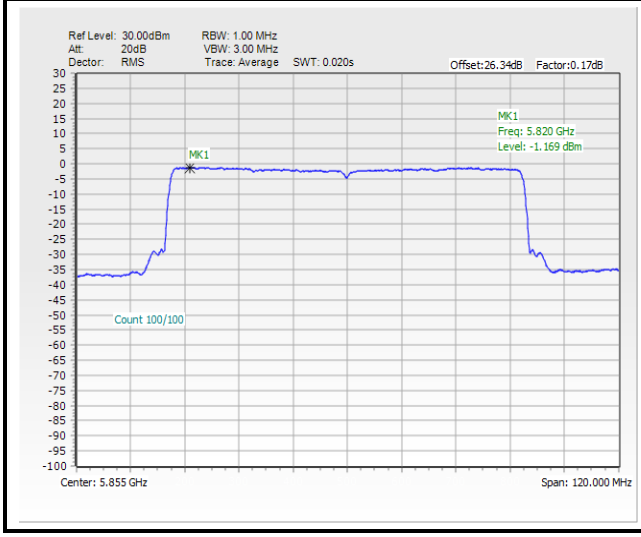
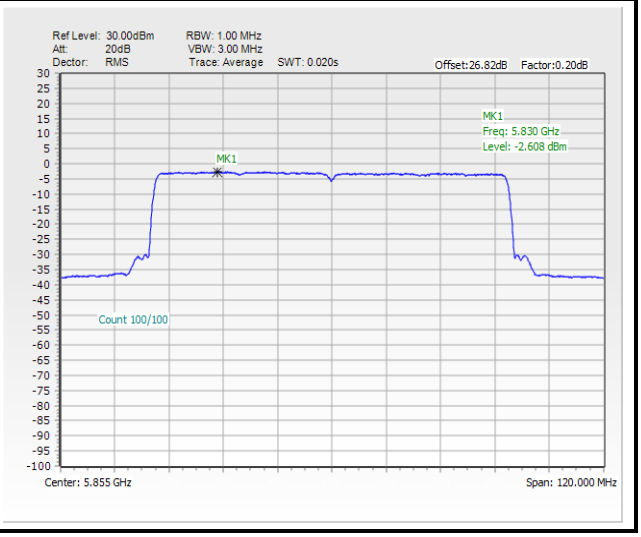
Remark: The test plot is showing a bin by bin combined result mathematically adds two traces.

Maximum Power Density Plot Trace 0 (Ant 0)	Maximum Power Density Plot Trace 1 (Ant 1)
	

<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 0 (Ant 0)	Maximum Power Density Plot Trace 1 (Ant 1)
	

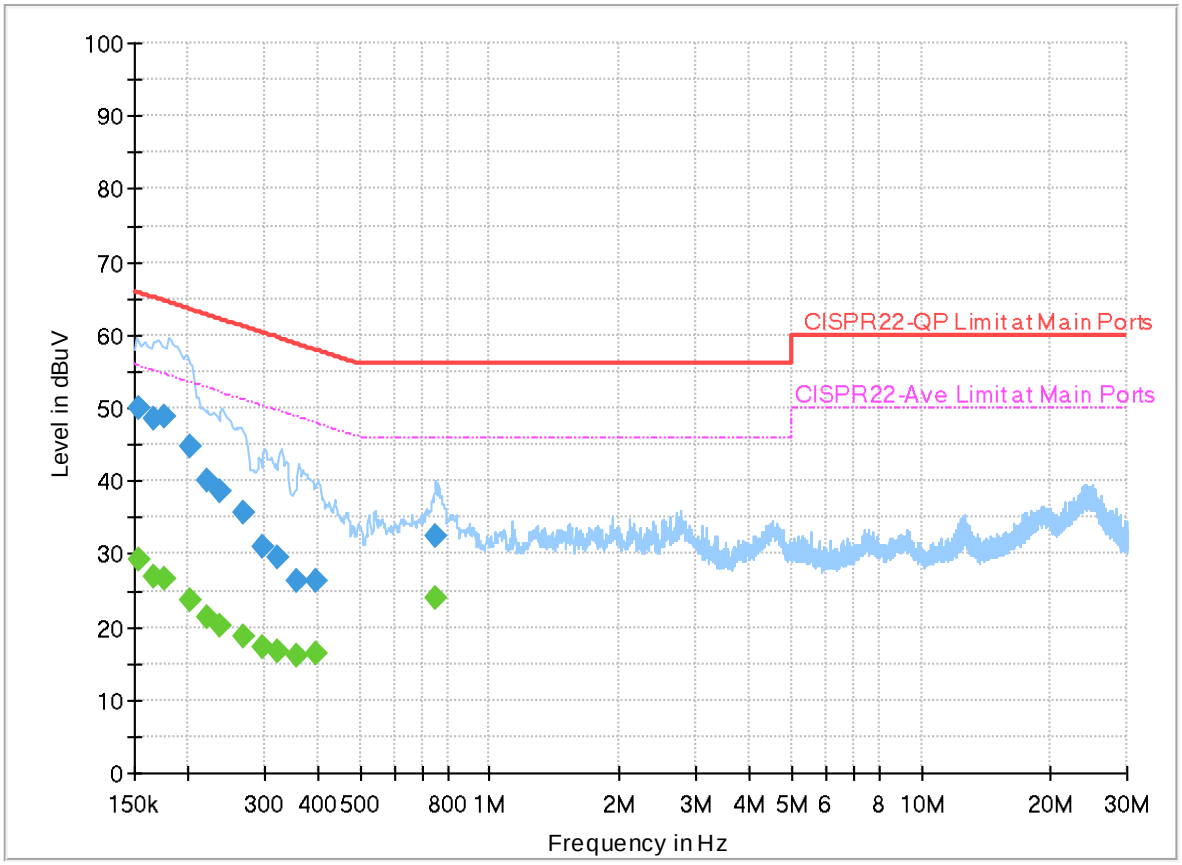
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Louis Chung	**Temperature :**	23.5~26.7℃
		Relative Humidity :	52.2~57.9%

EUT Information

Report NO :	450901
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

Full Spectrum



Final_Result

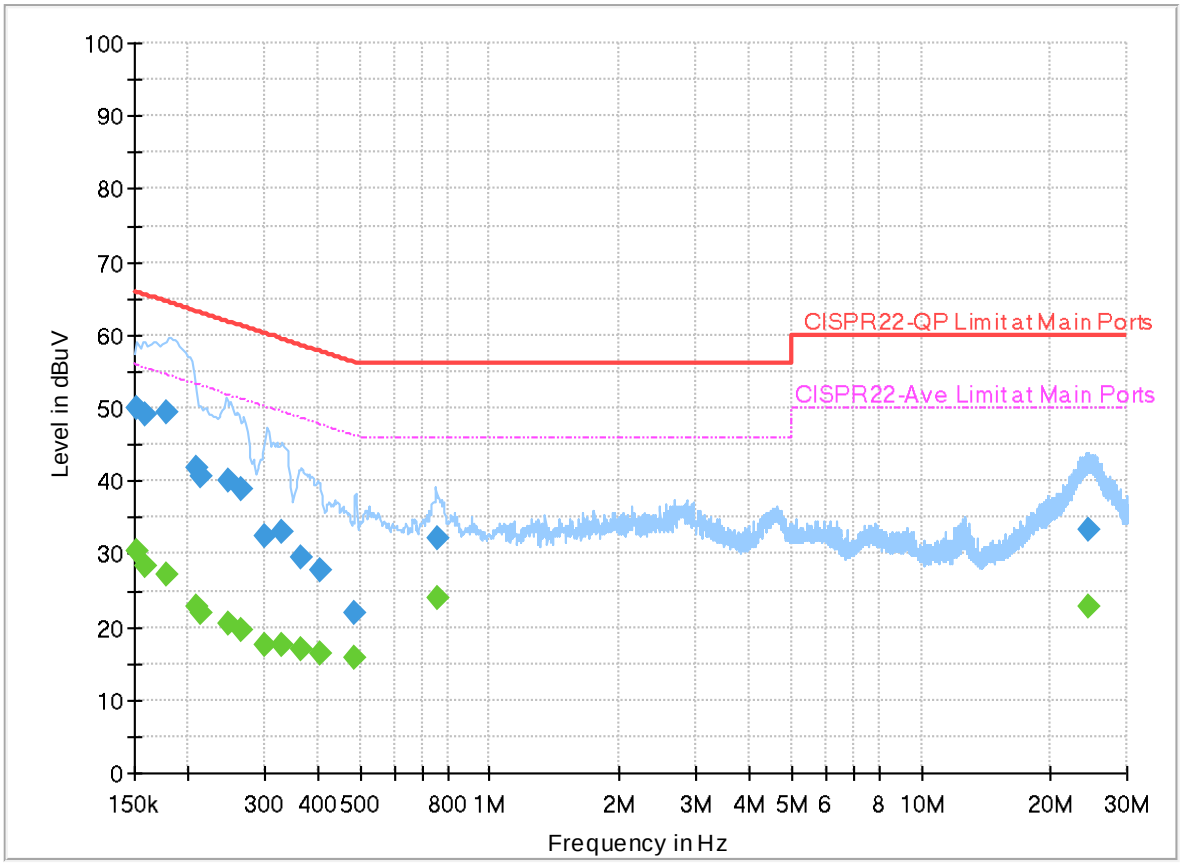
Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152835	---	29.26	55.84	26.58	L1	OFF	19.9
0.152835	50.00	---	65.84	15.84	L1	OFF	19.9
0.165750	---	26.93	55.17	28.24	L1	OFF	19.9
0.165750	48.44	---	65.17	16.73	L1	OFF	19.9
0.176370	---	26.69	54.66	27.97	L1	OFF	19.9
0.176370	48.83	---	64.66	15.83	L1	OFF	19.9
0.201750	---	23.65	53.54	29.89	L1	OFF	19.9
0.201750	44.87	---	63.54	18.67	L1	OFF	19.9
0.219750	---	21.23	52.83	31.60	L1	OFF	19.9
0.219750	40.16	---	62.83	22.67	L1	OFF	19.9
0.236490	---	20.09	52.22	32.13	L1	OFF	19.9
0.236490	38.50	---	62.22	23.72	L1	OFF	19.9
0.266820	---	18.77	51.22	32.45	L1	OFF	19.9
0.266820	35.76	---	61.22	25.46	L1	OFF	19.9
0.296340	---	17.23	50.35	33.12	L1	OFF	19.9
0.296340	31.08	---	60.35	29.27	L1	OFF	19.9
0.323250	---	16.64	49.62	32.98	L1	OFF	19.9
0.323250	29.40	---	59.62	30.22	L1	OFF	19.9
0.357630	---	16.22	48.78	32.56	L1	OFF	19.9

0.357630	26.21	---	58.78	32.57	L1	OFF	19.9
0.395250	---	16.39	47.95	31.56	L1	OFF	19.9
0.395250	26.36	---	57.95	31.59	L1	OFF	19.9
0.749400	---	23.87	46.00	22.13	L1	OFF	19.9
0.749400	32.53	---	56.00	23.47	L1	OFF	19.9

EUT Information

Report NO :	450901
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)
0.151958	---	30.41	55.89	25.48	N	OFF	19.9
0.151958	50.09	---	65.89	15.80	N	OFF	19.9
0.158640	---	28.28	55.54	27.26	N	OFF	19.9
0.158640	49.07	---	65.54	16.47	N	OFF	19.9
0.177000	---	27.07	54.63	27.56	N	OFF	19.9
0.177000	49.43	---	64.63	15.20	N	OFF	19.9
0.208500	---	22.78	53.27	30.49	N	OFF	19.9
0.208500	41.93	---	63.27	21.34	N	OFF	19.9
0.213000	---	21.98	53.09	31.11	N	OFF	19.9
0.213000	40.60	---	63.09	22.49	N	OFF	19.9
0.247470	---	20.51	51.84	31.33	N	OFF	19.9
0.247470	40.01	---	61.84	21.83	N	OFF	19.9
0.264750	---	19.62	51.28	31.66	N	OFF	19.9
0.264750	38.98	---	61.28	22.30	N	OFF	19.9
0.300750	---	17.59	50.22	32.63	N	OFF	19.9
0.300750	32.31	---	60.22	27.91	N	OFF	19.9
0.328380	---	17.52	49.49	31.97	N	OFF	19.9
0.328380	33.12	---	59.49	26.37	N	OFF	19.9
0.366810	---	16.91	48.57	31.66	N	OFF	19.9

0.366810	29.48	---	58.57	29.09	N	OFF	19.9
0.402000	---	16.34	47.81	31.47	N	OFF	19.9
0.402000	27.72	---	57.81	30.09	N	OFF	19.9
0.485430	---	15.68	46.25	30.57	N	OFF	19.9
0.485430	22.07	---	56.25	34.18	N	OFF	19.9
0.753270	---	24.01	46.00	21.99	N	OFF	19.9
0.753270	32.30	---	56.00	23.70	N	OFF	19.9
24.504000	---	22.83	50.00	27.17	N	OFF	20.2
24.504000	33.35	---	60.00	26.65	N	OFF	20.2

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Bill Chang, Gary Guo and Steven Wu	**Temperature :**	18.2~20.2℃
		Relative Humidity :	54.2~56.1%

Note symbol

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

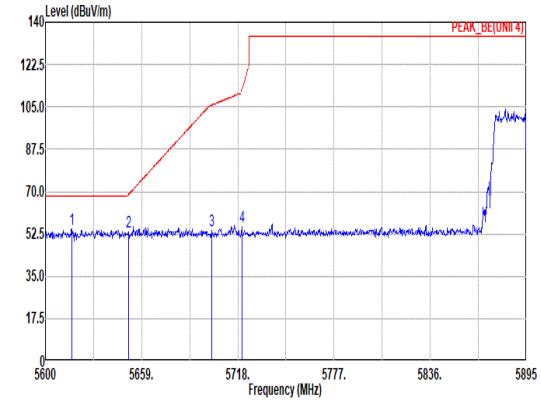
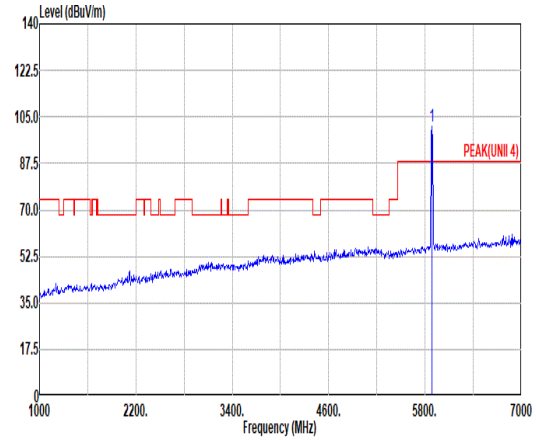
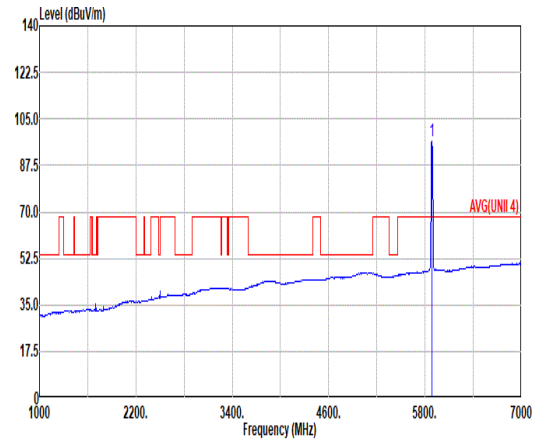
<Sample 1>

C1-1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 76	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	-
Mode 161	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	LF
Mode 162	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	SHF

C1-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
76	802.11ax HE20	177	5615.64	54.69	68.20	-13.51	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	177	17655.00	50.75	68.20	-17.45	H	Peak	Pass	Full RU	Harmonic
161	802.11ax HE20	177	102.75	38.77	43.50	-4.73	V	QP	Pass	-	LF
162	802.11ax HE20	177	39215.90	45.40	54.00	-8.60	H	Avg.	Pass	-	SHF

Mode	76	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Fundamental
Peak		
Avg	Blank	

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

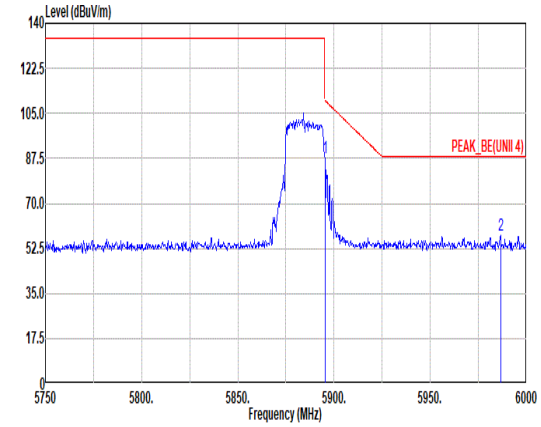
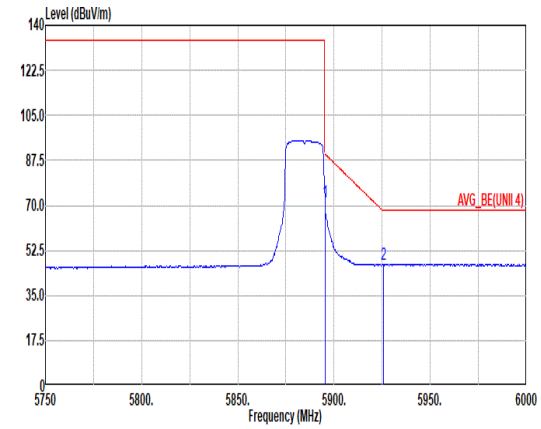
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5616.23	54.63	68.20	-13.57	39.47	32.86	11.67	29.37	0.00	300	219	PEAK
2	5651.04	53.55	68.97	-15.42	38.22	33.01	11.70	29.38	0.00	300	219	PEAK
3	5701.78	53.89	105.70	-51.81	38.12	33.40	11.76	29.39	0.00	300	219	PEAK
4	5720.36	55.63	111.62	-55.99	39.80	33.44	11.78	29.39	0.00	300	219	PEAK

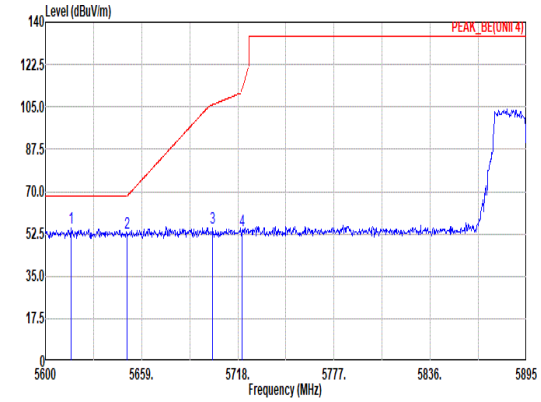
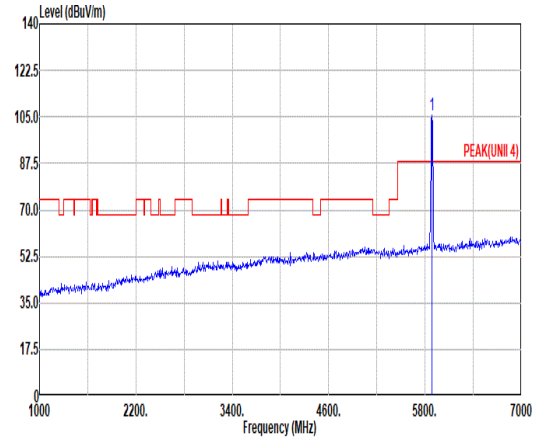
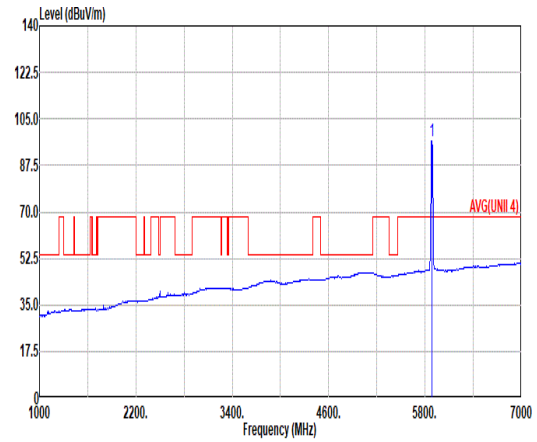
Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

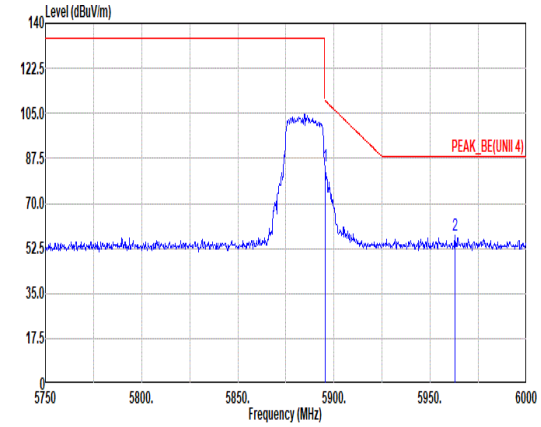
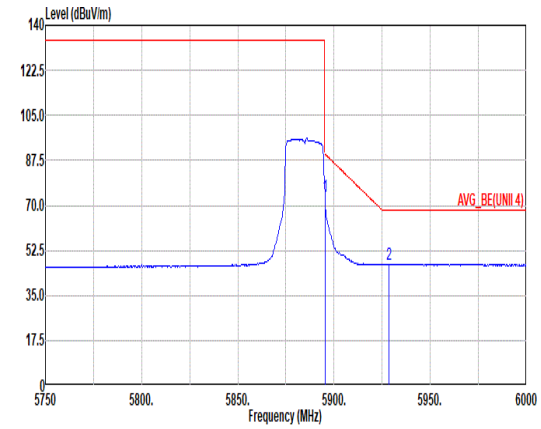
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5884.00	101.60	------	------	85.06	34.04	11.93	29.43	0.00	300	219	PEAK

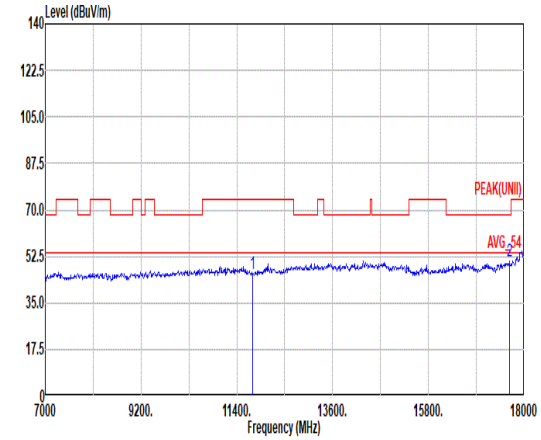
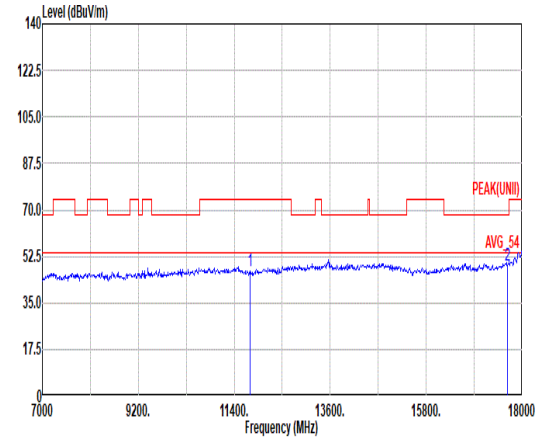
Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.910kHz SWT:Auto

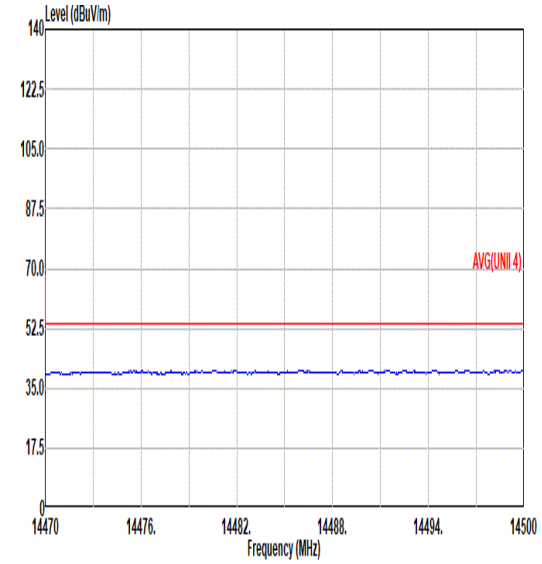
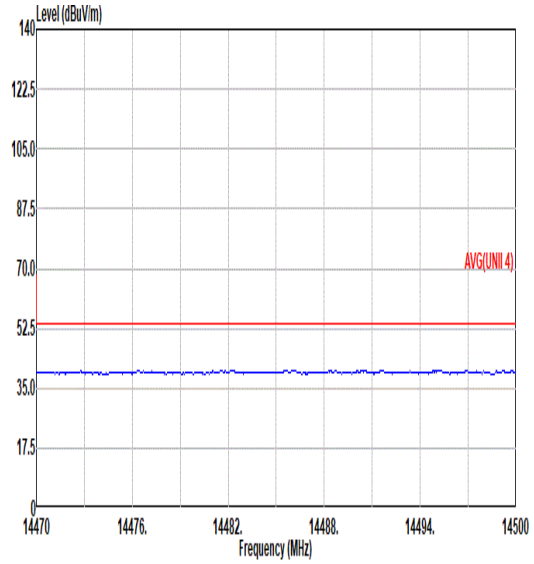
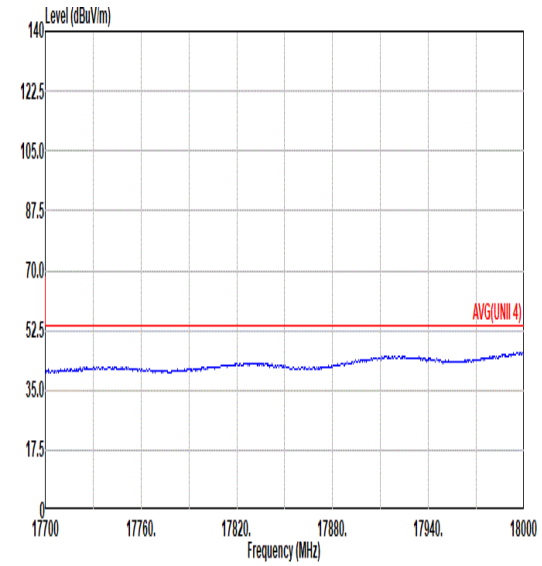
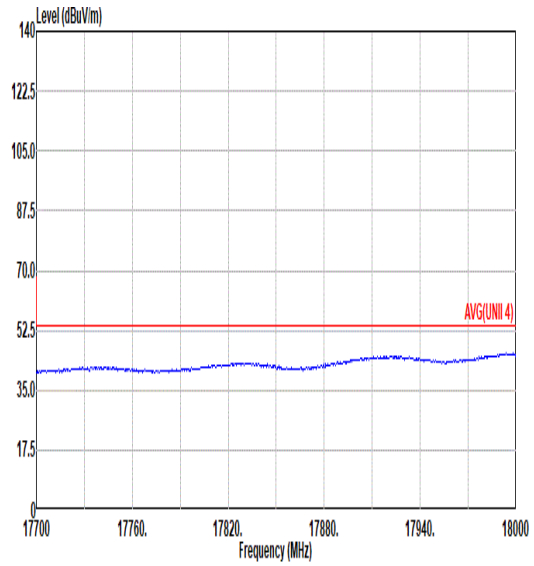
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5884.00	96.61	------	------	80.07	34.04	11.93	29.43	0.00	300	219	AVERAGE

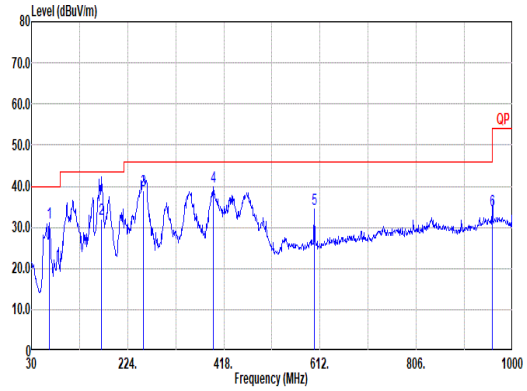
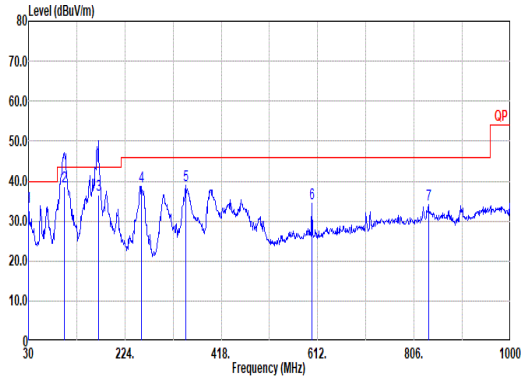
Mode	76	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable 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 87.61 110.02 -22.41 71.02 34.08 11.94 29.43 0.00 300 219 PEAK 2 5986.50 57.34 88.20 -30.86 40.67 34.10 12.02 29.45 0.00 300 219 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.910kHz 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 71.22 90.02 -18.80 54.63 34.08 11.94 29.43 0.00 300 219 AVERAGE 2 5925.75 47.28 68.20 -20.92 30.65 34.10 11.97 29.44 0.00 300 219 AVERAGE	Blank

Mode	76	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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 5615.64 54.69 68.20 -13.51 39.53 32.86 11.67 29.37 0.00 200 278 PEAK 2 5650.15 52.95 68.31 -15.36 37.63 33.00 11.70 29.38 0.00 200 278 PEAK 3 5702.66 54.74 105.95 -51.21 38.96 33.41 11.76 29.39 0.00 200 278 PEAK 4 5720.66 53.69 112.29 -58.60 37.86 33.44 11.78 29.39 0.00 200 278 PEAK	 Site : 03CH16-HY Condition: PEAK(UNII 4) 3m 9120D-1522_240328 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 5890.00 105.44 ------ ------ 88.87 34.06 11.94 29.43 0.00 200 278 PEAK
Avg	Blank	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.910kHz 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 5884.00 96.92 ------ ------ 80.38 34.04 11.93 29.43 0.00 200 278 AVERAGE

Mode	76	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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 5895.25 84.70 110.02 -25.32 68.11 34.08 11.94 29.43 0.00 200 278 PEAK 2 5962.75 57.82 88.20 -30.38 41.16 34.10 12.00 29.44 0.00 200 278 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.910kHz 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 5895.25 73.57 90.02 -16.45 56.98 34.08 11.94 29.43 0.00 200 278 AVERAGE 2 5928.50 47.22 68.20 -20.98 30.59 34.10 11.97 29.44 0.00 200 278 AVERAGE	Blank

Mode	76	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH16-HY Condition: PEAK(UNII) 3m 9120D-1522_240328 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 46.19 74.00 -27.81 56.28 38.40 16.98 65.91 0.44 -- -- PEAK 2 17655.00 50.75 68.20 -17.45 54.25 39.54 21.56 65.23 0.63 -- -- PEAK	 Site : 03CH16-HY Condition: PEAK(UNII) 3m 9120D-1522_240328 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 46.89 74.00 -27.11 56.98 38.40 16.98 65.91 0.44 -- -- PEAK 2 17655.00 49.15 68.20 -19.05 52.65 39.54 21.56 65.23 0.63 -- -- PEAK

Mode	76	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

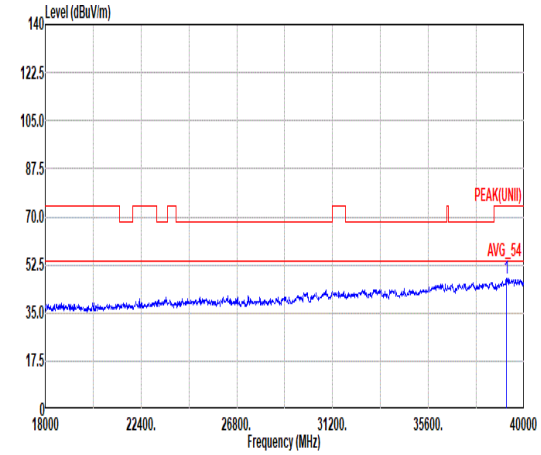
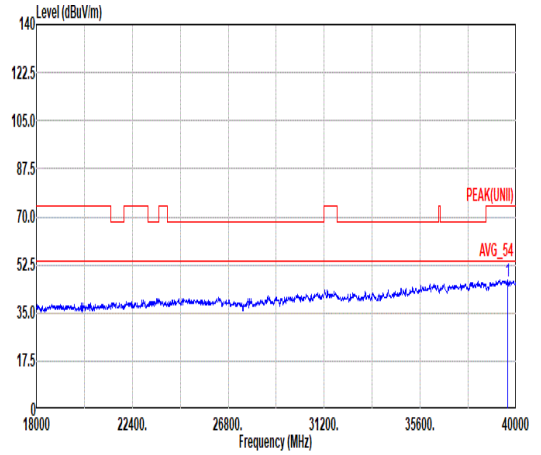
Mode	161	
	LF	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
QP/ Peak		

Site : 03CH16-HY
Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06 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	65.89	31.23	40.00	-8.77	50.38	11.85	1.26	32.31	0.05	--	--	Peak
2	171.62	31.95	43.50	-11.55	46.50	15.62	2.04	32.30	0.09	130	296	QP
3	256.01	39.04	46.00	-6.96	49.56	19.34	2.48	32.39	0.05	100	317	QP
4	396.66	39.85	46.00	-6.15	47.15	21.64	3.13	32.20	0.13	--	--	Peak
5	600.36	34.47	46.00	-11.53	37.80	25.58	3.82	32.89	0.16	--	--	Peak
6	959.26	33.98	46.00	-12.02	29.52	30.94	4.83	31.62	0.31	--	--	Peak

Site : 03CH16-HY
Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06 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	30.00	33.41	40.00	-6.59	40.69	24.40	0.89	32.62	0.05	--	--	Peak
2	102.75	38.77	43.50	-4.73	53.29	16.27	1.55	32.41	0.07	100	93	QP
3	170.65	36.53	43.50	-6.97	51.01	15.71	2.03	32.31	0.09	100	121	QP
4	257.95	38.57	46.00	-7.43	48.74	19.67	2.49	32.38	0.05	--	--	Peak
5	347.19	38.82	46.00	-7.18	47.60	20.35	2.91	32.16	0.12	--	--	Peak
6	600.36	34.29	46.00	-11.71	37.62	25.58	3.82	32.89	0.16	--	--	Peak
7	835.10	34.00	46.00	-12.00	32.80	28.67	4.50	32.19	0.22	--	--	Peak

Mode	162	
	SHF	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 1m SHF_00993_231124 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 39197.00 47.51 74.00 -26.49 59.37 44.96 9.10 56.38 -9.54 -- -- PEAK	 Site : 03CH16-HY Condition: PEAK(UNII) 1m SHF_00993_231124 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 39596.38 46.42 74.00 -27.58 57.81 44.95 9.25 56.05 -9.54 -- -- PEAK

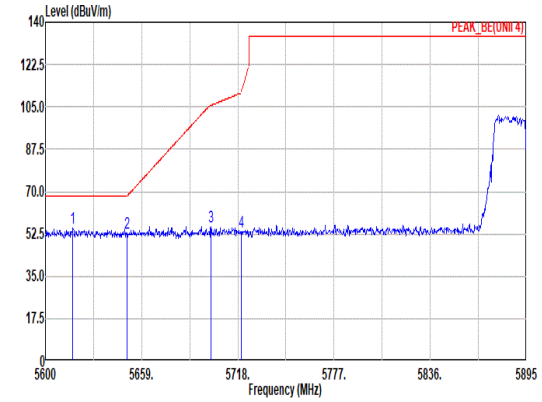
<Sample 2>

C2-1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 77	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	-
Mode 163	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	LF
Mode 164	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	SHF

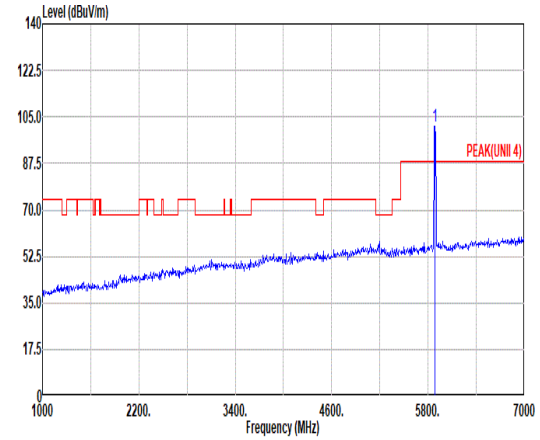
C2-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
77	802.11ax HE20	177	5621.54	55.12	68.20	-13.08	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	177	9420.00	46.75	54.00	-7.25	V	Avg.	Pass	Full RU	Harmonic
163	802.11ax HE20	177	185.20	37.22	43.50	-6.28	H	QP	Pass	-	LF
164	802.11ax HE20	177	39981.29	47.22	74.00	-26.78	H	Peak	Pass	-	SHF

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">77</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz</td></tr>
<tr><td>ANT</td><td colspan="2">0+1</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

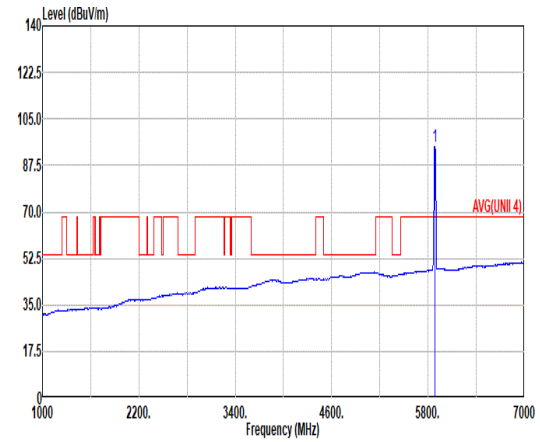
Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	5616.82	54.98	68.20	-13.22	39.81	32.87	11.67	29.37	0.00	400	343	PEAK
2	5650.15	52.65	68.31	-15.66	37.33	33.00	11.70	29.38	0.00	400	343	PEAK
3	5701.48	55.68	105.62	-49.94	39.91	33.40	11.76	29.39	0.00	400	343	PEAK
4	5720.07	53.50	110.95	-57.45	37.67	33.44	11.78	29.39	0.00	400	343	PEAK

</td><td> 

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

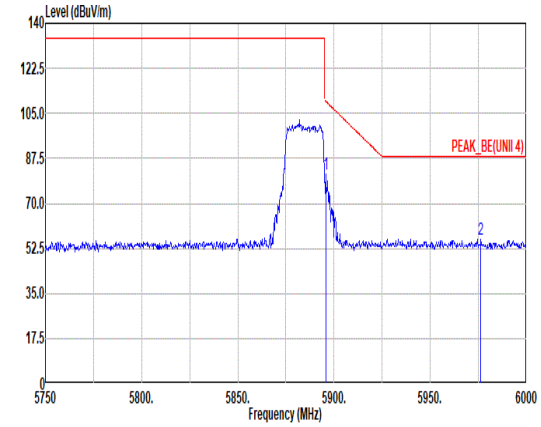
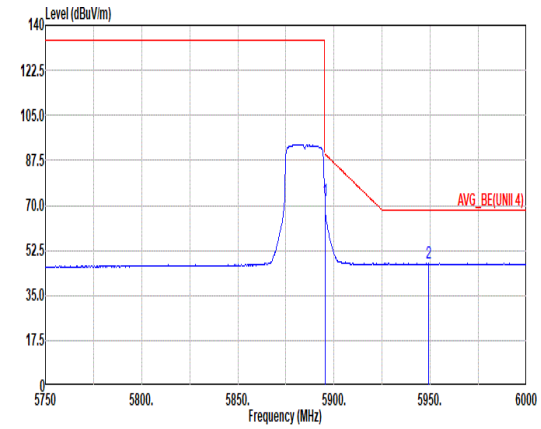
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5885.00	101.65	------	------	85.08	34.06	11.94	29.43	0.00	400	343	PEAK

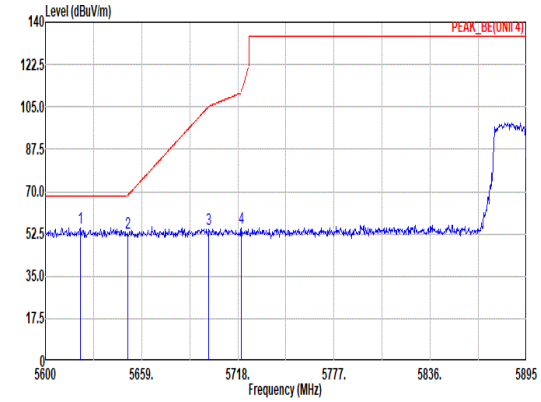
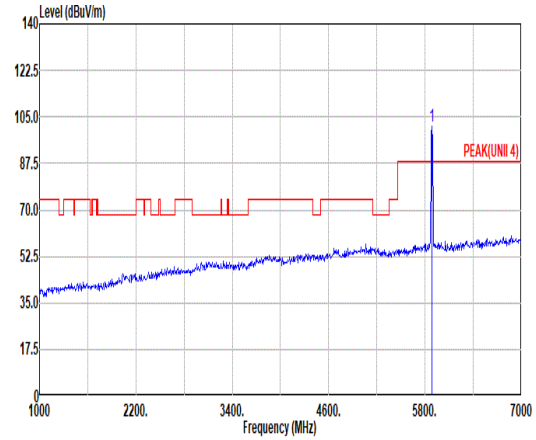
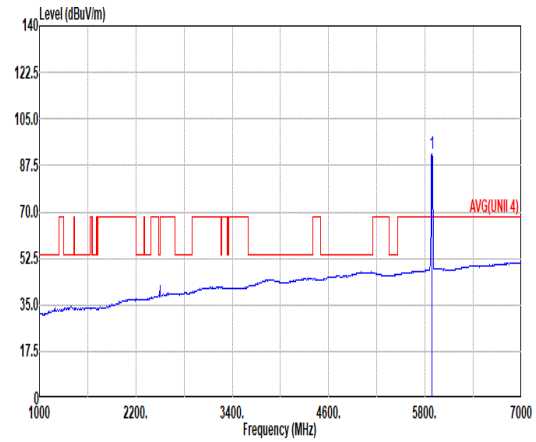
</td></tr>
<tr><td>Avg</td><td>Blank</td><td> 

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:1.100kHz 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	94.76	------	------	78.25	34.01	11.93	29.43	0.00	400	343	AVERAGE

</td></tr>
</table>

Mode	77	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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 5895.75 81.35 109.65 -28.30 64.76 34.08 11.94 29.43 0.00 400 343 PEAK 2 5976.25 56.23 88.20 -31.97 39.57 34.10 12.01 29.45 0.00 400 343 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:1.100kHz 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 5895.25 71.71 90.02 -18.31 55.12 34.08 11.94 29.43 0.00 400 343 AVERAGE 2 5949.00 47.42 68.20 -20.78 30.77 34.10 11.99 29.44 0.00 400 343 AVERAGE	Blank

Mode	77	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Vertical	Fundamental
Peak		
Avg	Blank	

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

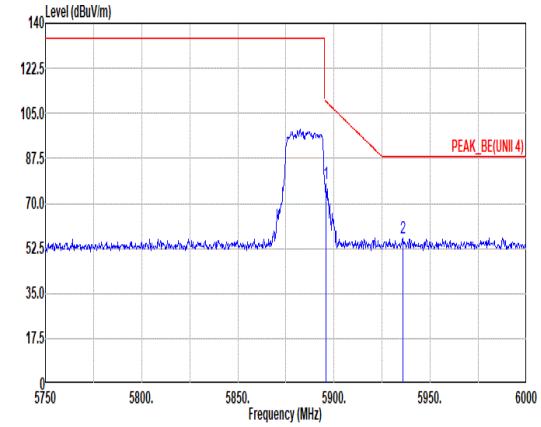
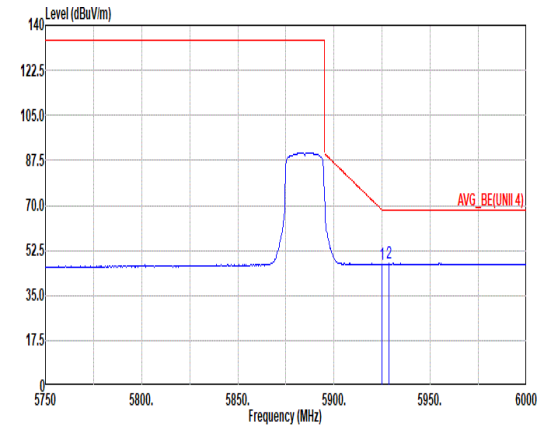
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5621.54	55.12	68.20	-13.08	39.93	32.89	11.67	29.37	0.00	200	360	PEAK
2	5650.45	52.87	68.53	-15.66	37.55	33.00	11.70	29.38	0.00	200	360	PEAK
3	5700.30	54.17	105.28	-51.11	38.40	33.40	11.76	29.39	0.00	200	360	PEAK
4	5720.07	55.06	110.95	-55.89	39.23	33.44	11.78	29.39	0.00	200	360	PEAK

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 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	101.21	------	------	84.67	34.04	11.93	29.43	0.00	200	360	PEAK

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:1.100kHz SWT:Auto

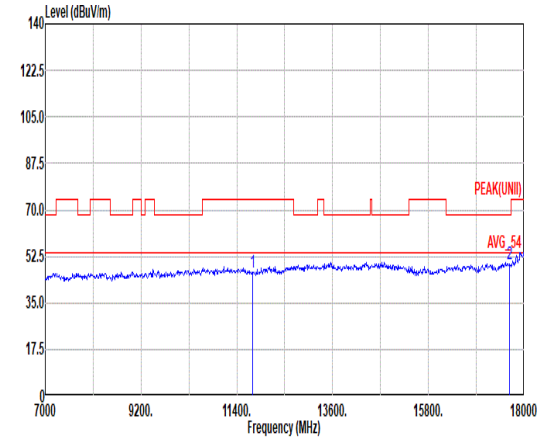
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5885.00	91.84	------	------	75.27	34.06	11.94	29.43	0.00	200	360	AVERAGE

Mode	77	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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 5896.00 77.76 109.46 -31.70 61.17 34.08 11.94 29.43 0.00 200 360 PEAK 2 5935.75 56.49 88.20 -31.71 39.85 34.10 11.98 29.44 0.00 200 360 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:1.100kHz 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 5925.00 47.21 68.20 -20.99 30.57 34.10 11.97 29.43 0.00 200 360 AVERAGE 2 5928.50 47.45 68.20 -20.75 30.82 34.10 11.97 29.44 0.00 200 360 AVERAGE	Blank

Mode	77	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical

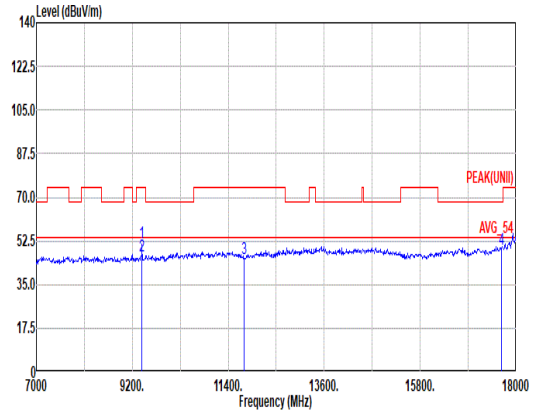
Peak

Avg



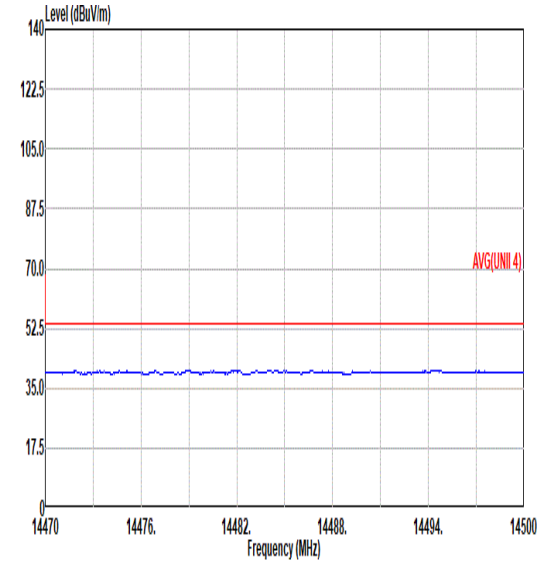
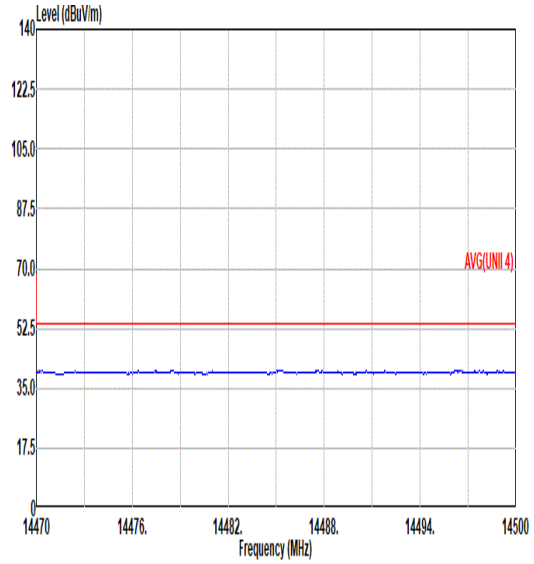
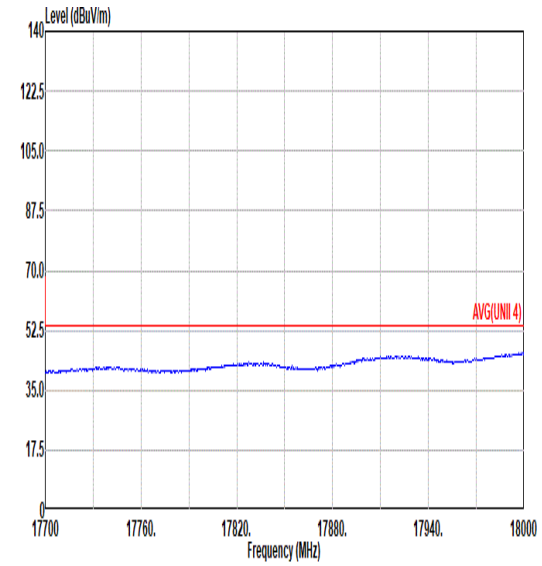
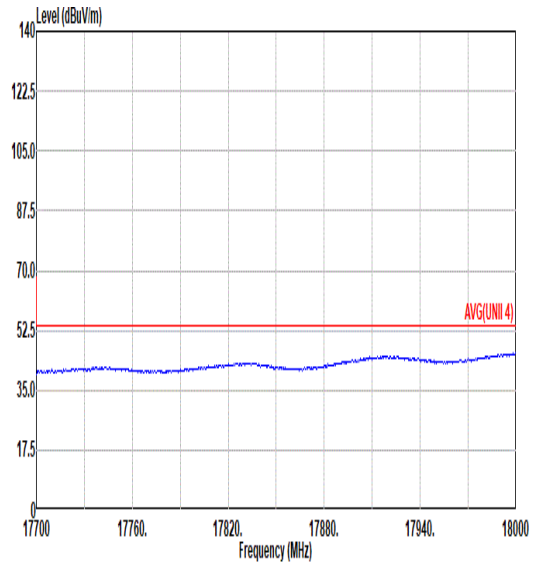
Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 HORIZONTAL

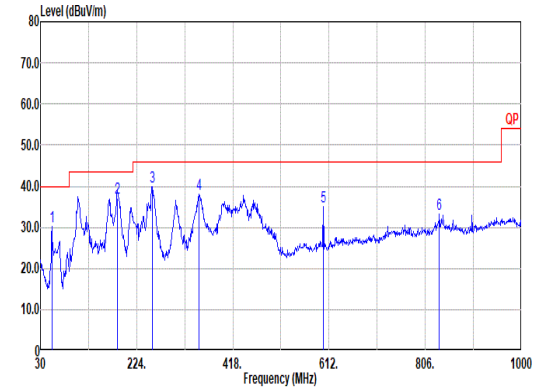
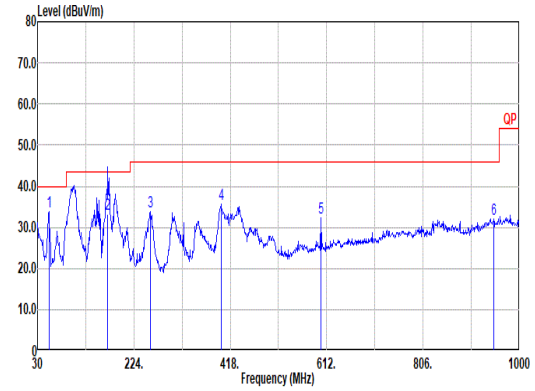
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11770.00	46.66	74.00	-27.34	56.75	38.40	16.98	65.91	0.44	--	--	PEAK
2	17655.00	49.45	68.20	-18.75	52.95	39.54	21.56	65.23	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 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	9420.00	52.01	74.00	-21.99	64.15	38.14	15.03	65.95	0.64	346	200	PEAK
2	9420.00	46.75	54.00	-7.25	58.89	38.14	15.03	65.95	0.64	346	200	AVERAGE
3	11770.00	45.66	74.00	-28.34	55.75	38.40	16.98	65.91	0.44	--	--	PEAK
4	17655.00	49.08	68.20	-19.12	52.58	39.54	21.56	65.23	0.63	--	--	PEAK

Mode	77	
	Harmonic	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

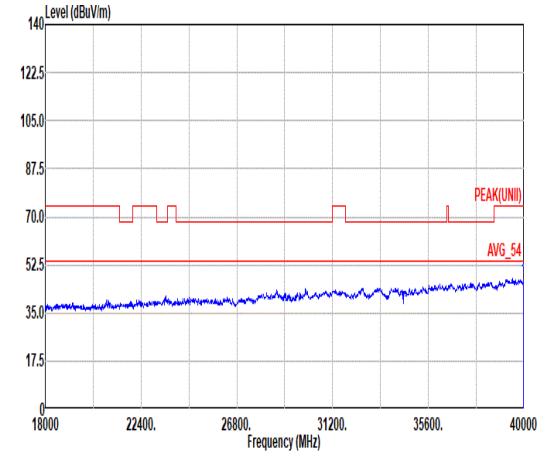
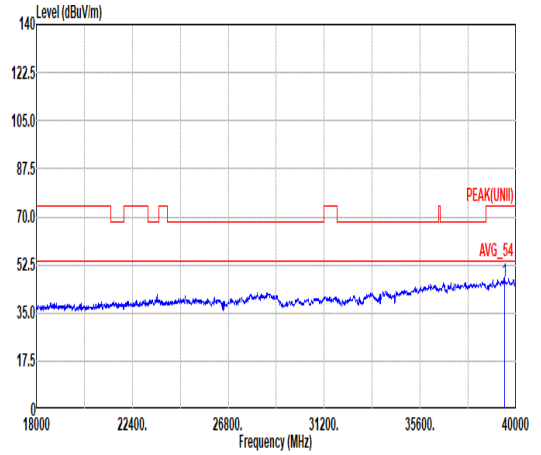
Mode	163	
	LF	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
QP/ Peak		

Site : 03CH16-HY
Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06 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	53.28	30.12	40.00	-9.88	48.37	12.91	1.14	32.35	0.05	--	--	Peak
2	185.20	37.22	43.50	-6.28	52.39	14.93	2.12	32.30	0.08	183	36	QP
3	255.04	39.87	46.00	-6.13	50.55	19.19	2.47	32.39	0.05	--	--	Peak
4	350.10	38.05	46.00	-7.95	46.73	20.44	2.92	32.16	0.12	--	--	Peak
5	600.36	35.14	46.00	-10.86	38.47	25.58	3.82	32.89	0.16	--	--	Peak
6	834.13	33.10	46.00	-12.90	31.94	28.63	4.50	32.19	0.22	--	--	Peak

Site : 03CH16-HY
Condition: QP 3m CBL6111D&00802N1D01N-06 _47020 & 06 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	53.28	33.79	40.00	-6.21	52.04	12.91	1.14	32.35	0.05	--	--	Peak
2	171.62	33.06	43.50	-10.44	47.61	15.62	2.04	32.30	0.09	100	111	QP
3	257.95	33.74	46.00	-12.26	43.91	19.67	2.49	32.38	0.05	--	--	Peak
4	399.57	35.51	46.00	-10.49	42.64	21.79	3.15	32.20	0.13	--	--	Peak
5	600.36	32.35	46.00	-13.65	35.68	25.58	3.82	32.89	0.16	--	--	Peak
6	948.59	32.00	46.00	-14.00	27.89	30.75	4.81	31.76	0.31	--	--	Peak

Mode	164	
	SHF	
	U-NII-4_5.85-5.895_802.11ax HE20_CH177_Full RU_5885MHz	
ANT	0+1	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH16-HY Condition: PEAK(UNII) 1m SHF_00993_231124 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 39981.29 47.22 74.00 -26.78 58.26 44.59 9.34 55.43 -9.54 -- -- PEAK	 Site : 03CH16-HY Condition: PEAK(UNII) 1m SHF_00993_231124 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 39458.00 46.69 74.00 -27.31 58.43 44.82 9.21 56.23 -9.54 -- -- PEAK

<Sample 7>

C3-1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 62	U-NII-4	5.85-5.895	0	802.11a	169	5845	6Mbps	-	-
Mode 63	U-NII-4	5.85-5.895	0	802.11a	173	5865	6Mbps	-	-
Mode 64	U-NII-4	5.85-5.895	0	802.11a	177	5885	6Mbps	-	-
Mode 65	U-NII-4	5.85-5.895	1	802.11a	169	5845	6Mbps	-	-
Mode 66	U-NII-4	5.85-5.895	1	802.11a	173	5865	6Mbps	-	-
Mode 67	U-NII-4	5.85-5.895	1	802.11a	177	5885	6Mbps	-	-
Mode 68	U-NII-4	5.85-5.895	0+1	802.11ac VHT20	169	5845	MCS0	-	-
Mode 69	U-NII-4	5.85-5.895	0+1	802.11ac VHT20	173	5865	MCS0	-	-
Mode 70	U-NII-4	5.85-5.895	0+1	802.11ac VHT20	177	5885	MCS0	-	-
Mode 71	U-NII-4	5.85-5.895	0+1	802.11ac VHT40	167	5835	MCS0	-	-

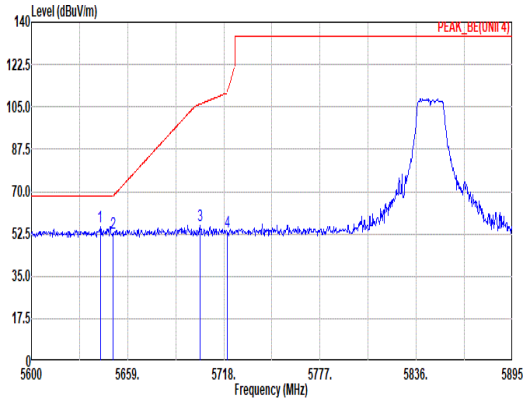
Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 72	U-NII-4	5.85-5.895	0+1	802.11ac VHT40	175	5875	MCS0	-	-
Mode 73	U-NII-4	5.85-5.895	0+1	802.11ac VHT80	171	5855	MCS0	-	-
Mode 74	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	-
Mode 75	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	LF
Mode 160	U-NII-4	5.85-5.895	0+1	802.11ax HE20	177	5885	MCS0	Full RU	SHF

C3-2. Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
62	802.11a	169	5642.19	55.42	68.20	-12.78	H	Peak	Pass	-	Band Edge
	802.11a	169	9352.00	45.62	54.00	-8.38	V	Avg.	Pass	-	Harmonic
63	802.11a	173	5638.35	55.45	68.20	-12.75	V	Peak	Pass	-	Band Edge
	802.11a	173	9384.00	47.42	54.00	-6.58	H	Avg.	Pass	-	Harmonic
64	802.11a	177	5616.23	55.70	68.20	-12.50	H	Peak	Pass	-	Band Edge
	802.11a	177	11770.00	43.80	54.00	-10.20	H	Avg.	Pass	-	Harmonic
65	802.11a	169	5620.36	55.84	68.20	-12.36	H	Peak	Pass	-	Band Edge
	802.11a	169	9354.00	45.78	54.00	-8.22	H	Avg.	Pass	-	Harmonic
66	802.11a	173	5635.99	55.73	68.20	-12.47	H	Peak	Pass	-	Band Edge
	802.11a	173	11730.00	44.96	54.00	-9.04	H	Avg.	Pass	-	Harmonic
67	802.11a	177	5637.76	55.27	68.20	-12.93	H	Peak	Pass	-	Band Edge

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
67	802.11a	177	9420.00	46.49	54.00	-7.51	H	Avg.	Pass	-	Harmonic
68	802.11ac VHT20	169	5647.20	55.18	68.20	-13.02	H	Peak	Pass	-	Band Edge
	802.11ac VHT20	169	17535.00	50.58	68.20	-17.62	V	Peak	Pass	-	Harmonic
69	802.11ac VHT20	173	5648.38	55.55	68.20	-12.65	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	173	9384.00	46.69	54.00	-7.31	H	Avg.	Pass	-	Harmonic
70	802.11ac VHT20	177	5895.25	81.65	90.02	-8.37	V	Avg.	Pass	-	Band Edge
	802.11ac VHT20	177	9416.00	47.04	54.00	-6.96	H	Avg.	Pass	-	Harmonic
71	802.11ac VHT40	167	5644.55	55.80	68.20	-12.40	V	Peak	Pass	-	Band Edge
	802.11ac VHT40	167	9336.00	46.05	54.00	-7.95	H	Avg.	Pass	-	Harmonic
72	802.11ac VHT40	175	5628.62	55.60	68.20	-12.60	H	Peak	Pass	-	Band Edge
	802.11ac VHT40	175	9400.00	46.76	54.00	-7.24	V	Avg.	Pass	-	Harmonic

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
73	802.11ac VHT80	171	5600.59	55.09	68.20	-13.11	V	Peak	Pass	-	Band Edge
	802.11ac VHT80	171	9368.00	47.29	54.00	-6.71	H	Avg.	Pass	-	Harmonic
74	802.11ax HE20	177	5647.79	54.90	68.20	-13.30	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	177	9420.00	48.28	54.00	-5.72	H	Avg.	Pass	Full RU	Harmonic
75	802.11ax HE20	177	315.18	34.00	46.00	-12.00	H	QP	Pass	-	LF
160	802.11ax HE20	177	39443.05	45.00	54.00	-9.00	H	Avg.	Pass	-	SHF

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">62</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH169_5845MHz</td></tr>
<tr><td>ANT</td><td colspan="2">0</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5642.19</td><td>55.42</td><td>68.20</td><td>-12.78</td><td>39.95</td><td>32.97</td><td>11.88</td><td>29.38</td><td>0.00</td><td>224</td><td>14</td><td>PEAK</td></tr>
<tr><td>2</td><td>5650.15</td><td>52.86</td><td>68.31</td><td>-15.45</td><td>37.35</td><td>33.00</td><td>11.89</td><td>29.38</td><td>0.00</td><td>224</td><td>14</td><td>PEAK</td></tr>
<tr><td>3</td><td>5703.25</td><td>55.81</td><td>106.11</td><td>-50.30</td><td>39.86</td><td>33.41</td><td>11.93</td><td>29.39</td><td>0.00</td><td>224</td><td>14</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>53.59</td><td>110.95</td><td>-57.36</td><td>37.59</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>224</td><td>14</td><td>PEAK</td></tr>
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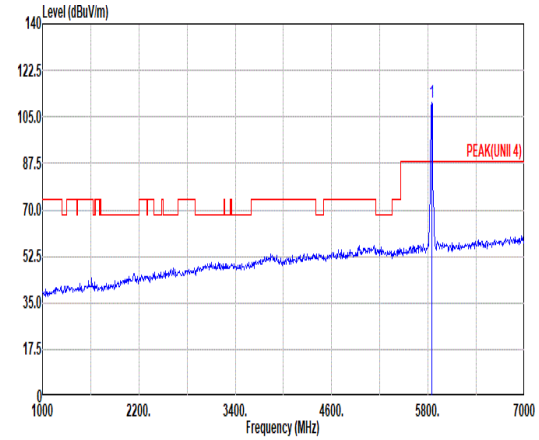

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5845.00</td><td>110.37</td><td>------</td><td>------</td><td>93.76</td><td>33.90</td><td>12.13</td><td>29.42</td><td>0.00</td><td>224</td><td>14</td><td>PEAK</td></tr>
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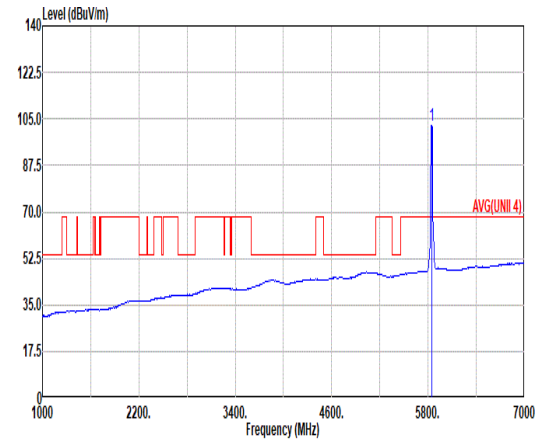

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
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<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5845.00</td><td>102.65</td><td>------</td><td>------</td><td>86.08</td><td>33.88</td><td>12.11</td><td>29.42</td><td>0.00</td><td>224</td><td>14</td><td>AVERAGE</td></tr>
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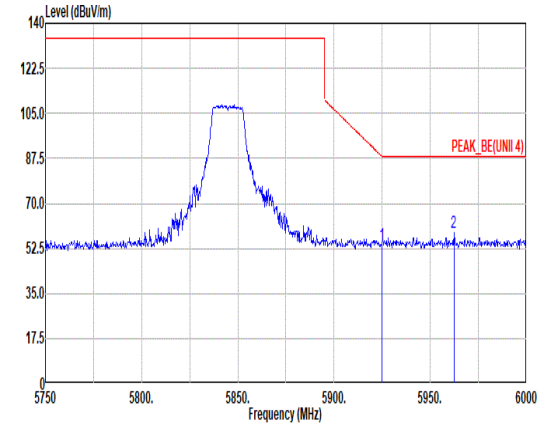
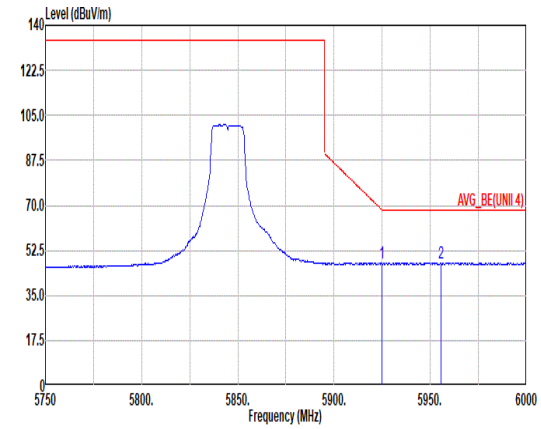
Mode	62	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 53.88 88.20 -34.32 36.89 34.10 12.32 29.43 0.00 224 14 PEAK 2 5962.25 58.55 88.20 -29.65 41.48 34.10 12.41 29.44 0.00 224 14 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.34 68.20 -20.86 30.35 34.10 12.32 29.43 0.00 224 14 AVERAGE 2 5955.50 47.63 68.20 -20.57 30.58 34.10 12.39 29.44 0.00 224 14 AVERAGE	Blank

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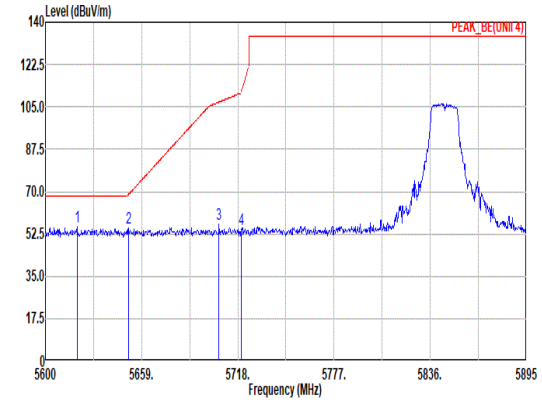
<tr><td rowspan="3">Mode</td><td colspan="2">62</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH169_5845MHz</td></tr>
<tr><td>ANT</td><td colspan="2">0</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5619.47</td><td>55.26</td><td>68.20</td><td>-12.94</td><td>39.88</td><td>32.88</td><td>11.87</td><td>29.37</td><td>0.00</td><td>219</td><td>338</td><td>PEAK</td></tr>
<tr><td>2</td><td>5651.04</td><td>54.81</td><td>68.97</td><td>-14.16</td><td>39.29</td><td>33.01</td><td>11.89</td><td>29.38</td><td>0.00</td><td>219</td><td>338</td><td>PEAK</td></tr>
<tr><td>3</td><td>5706.50</td><td>56.49</td><td>107.02</td><td>-50.53</td><td>40.53</td><td>33.41</td><td>11.94</td><td>29.39</td><td>0.00</td><td>219</td><td>338</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>54.26</td><td>110.95</td><td>-56.69</td><td>38.26</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>219</td><td>338</td><td>PEAK</td></tr>
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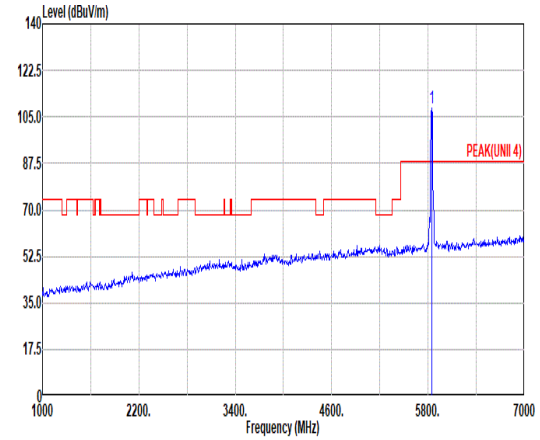

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5845.00</td><td>108.10</td><td>------</td><td>------</td><td>91.53</td><td>33.88</td><td>12.11</td><td>29.42</td><td>0.00</td><td>219</td><td>338</td><td>PEAK</td></tr>
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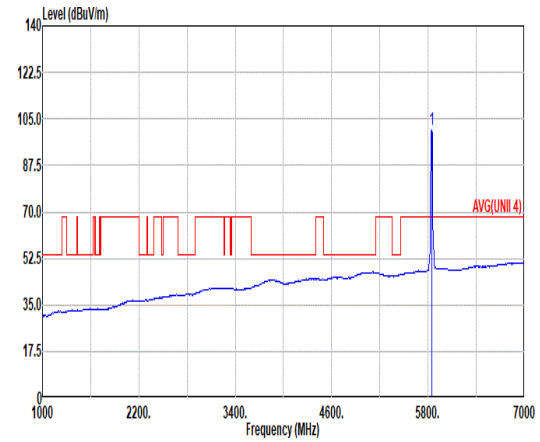

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5845.00</td><td>100.88</td><td>------</td><td>------</td><td>84.31</td><td>33.88</td><td>12.11</td><td>29.42</td><td>0.00</td><td>219</td><td>338</td><td>AVERAGE</td></tr>
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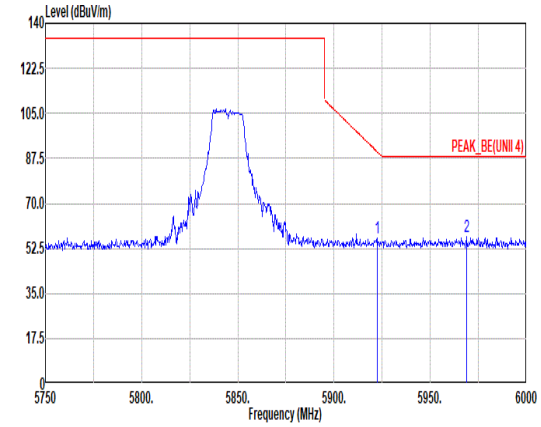
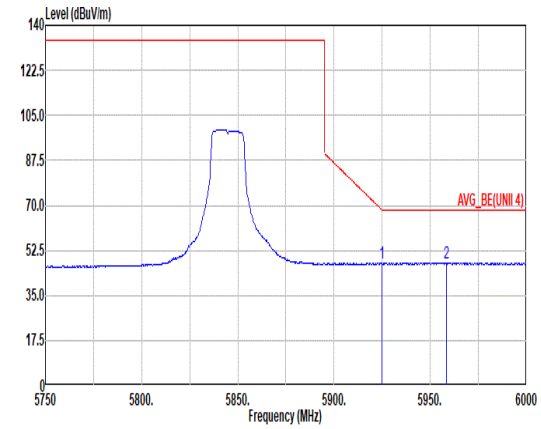
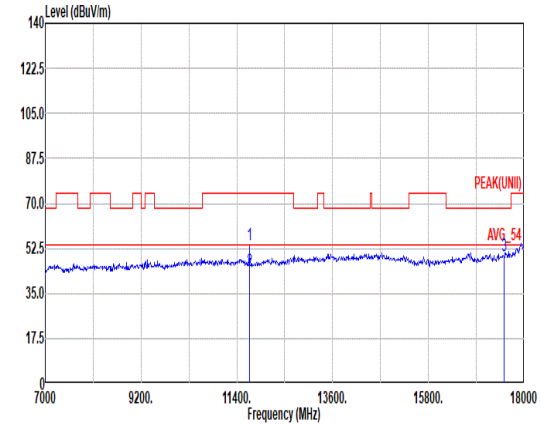
Mode	62	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5922.50 56.72 90.03 -33.31 39.74 34.10 12.31 29.43 0.00 219 338 PEAK 2 5968.75 56.86 88.20 -31.34 39.78 34.10 12.42 29.44 0.00 219 338 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.31 68.20 -20.89 30.32 34.10 12.32 29.43 0.00 219 338 AVERAGE 2 5958.25 47.62 68.20 -20.58 30.56 34.10 12.40 29.44 0.00 219 338 AVERAGE	Blank

Mode	62	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	0	
Pol.	Horizontal	Vertical

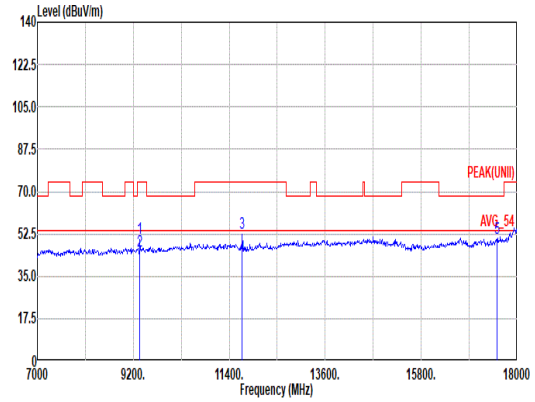
Peak

Avg



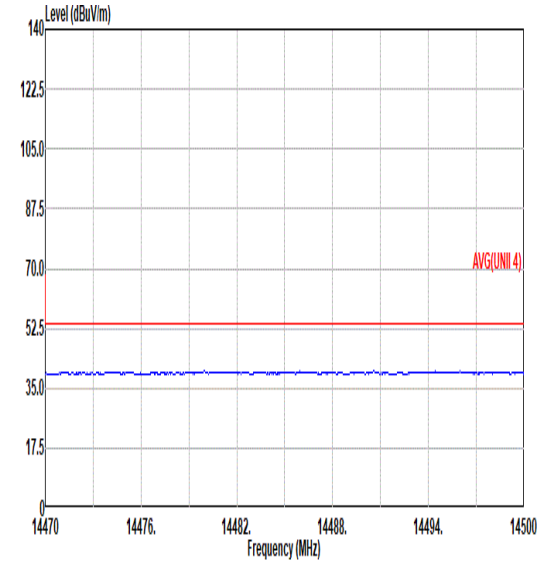
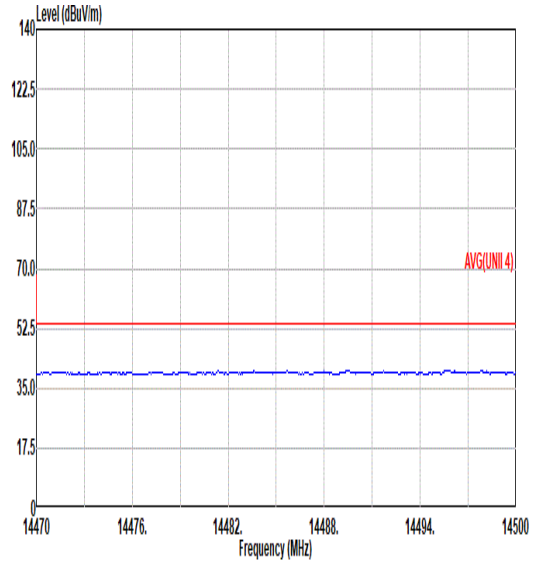
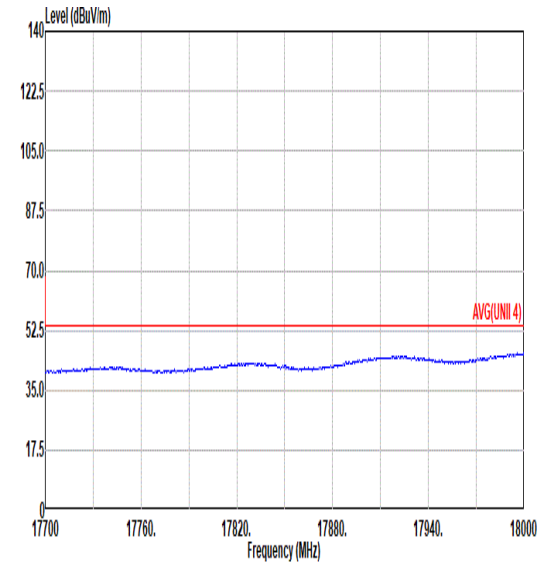
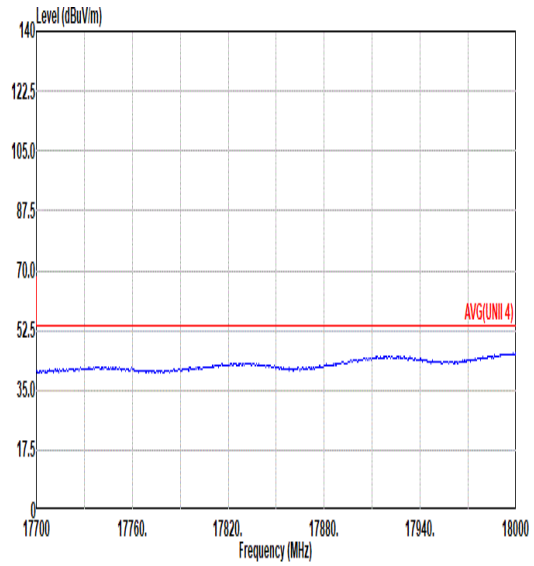
Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 HORIZONTAL

	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	53.79	74.00	-20.21	63.93	38.38	16.91	65.87	0.44	100	204	PEAK
2	11690.00	43.67	54.00	-10.33	53.81	38.38	16.91	65.87	0.44	100	204	AVERAGE
3	17535.00	49.46	68.20	-18.74	53.64	39.08	21.41	65.30	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 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	9352.00	50.82	74.00	-23.18	63.35	37.81	14.94	65.92	0.64	100	127	PEAK
2	9352.00	45.62	54.00	-8.38	58.15	37.81	14.94	65.92	0.64	100	127	AVERAGE
3	11690.00	53.03	74.00	-20.97	63.17	38.38	16.91	65.87	0.44	100	243	PEAK
4	11690.00	43.21	54.00	-10.79	53.35	38.38	16.91	65.87	0.44	100	243	AVERAGE
5	17535.00	50.55	68.20	-17.65	54.73	39.08	21.41	65.30	0.63	--	--	PEAK

Mode	62	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	0	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

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<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
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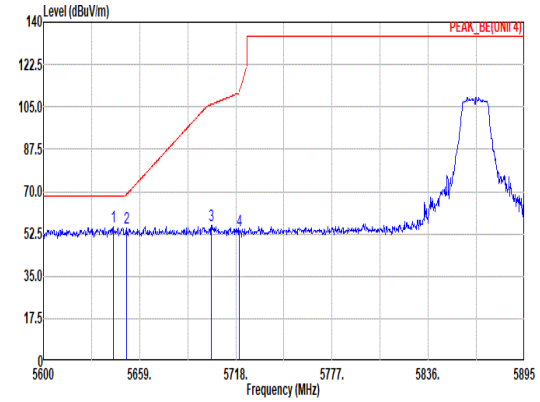

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5642.78</td><td>55.40</td><td>68.20</td><td>-12.80</td><td>39.93</td><td>32.97</td><td>11.88</td><td>29.38</td><td>0.00</td><td>231</td><td>12</td><td>PEAK</td></tr>
<tr><td>2</td><td>5651.04</td><td>55.10</td><td>68.97</td><td>-13.87</td><td>39.58</td><td>33.01</td><td>11.89</td><td>29.38</td><td>0.00</td><td>231</td><td>12</td><td>PEAK</td></tr>
<tr><td>3</td><td>5702.96</td><td>56.00</td><td>106.03</td><td>-50.03</td><td>40.05</td><td>33.41</td><td>11.93</td><td>29.39</td><td>0.00</td><td>231</td><td>12</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>53.94</td><td>110.95</td><td>-57.01</td><td>37.94</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>231</td><td>12</td><td>PEAK</td></tr>
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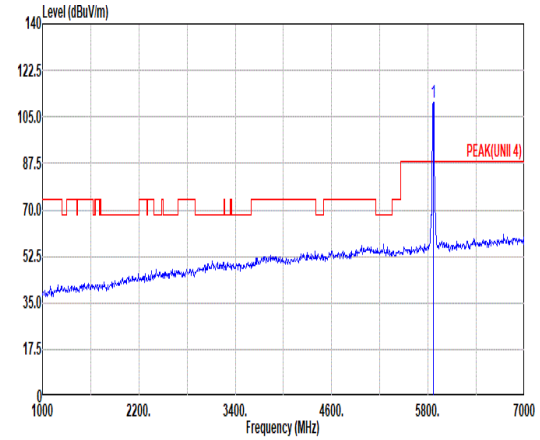

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
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<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5865.00</td><td>110.37</td><td>------</td><td>------</td><td>93.66</td><td>33.96</td><td>12.17</td><td>29.42</td><td>0.00</td><td>231</td><td>12</td><td>PEAK</td></tr>
</table>
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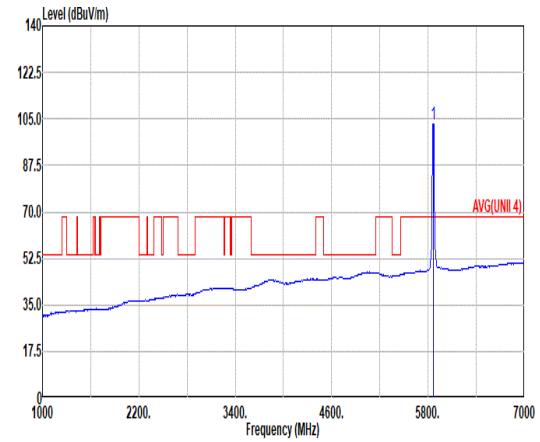
<tr><td>Avg</td><td>Blank</td><td>


Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5865.00</td><td>102.94</td><td>------</td><td>------</td><td>86.23</td><td>33.96</td><td>12.17</td><td>29.42</td><td>0.00</td><td>231</td><td>12</td><td>AVERAGE</td></tr>
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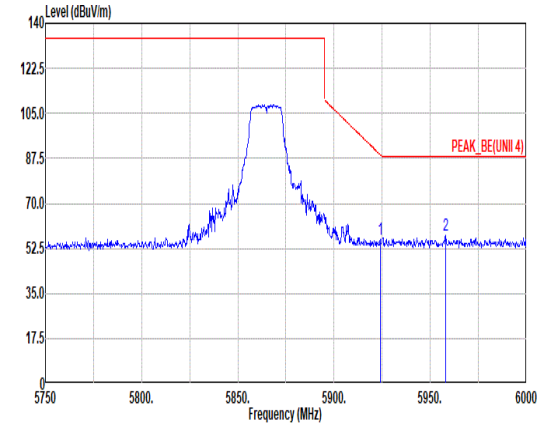
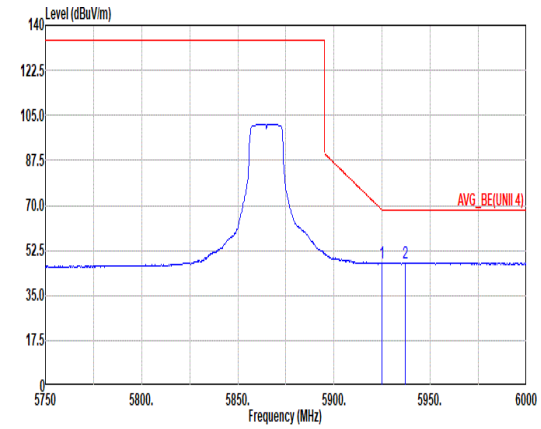
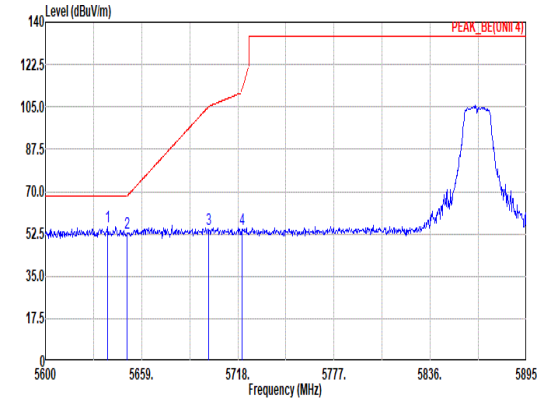
Mode	63	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5924.00 56.14 88.93 -32.79 39.16 34.10 12.31 29.43 0.00 231 12 PEAK 2 5958.00 57.47 88.20 -30.73 40.41 34.10 12.40 29.44 0.00 231 12 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.46 68.20 -20.74 30.47 34.10 12.32 29.43 0.00 231 12 AVERAGE 2 5937.00 47.72 68.20 -20.48 30.71 34.10 12.35 29.44 0.00 231 12 AVERAGE	Blank

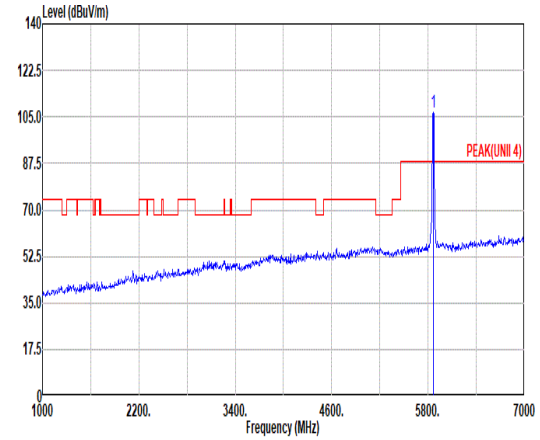
Mode	63	
	Band Edge - L	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	0	
Pol.	Vertical	Fundamental

Peak



Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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	5638.35	55.45	68.20	-12.75	40.00	32.95	11.88	29.38	0.00	156	264	PEAK
2	5650.15	52.71	68.31	-15.60	37.20	33.00	11.89	29.38	0.00	156	264	PEAK
3	5700.30	54.55	105.28	-50.73	38.61	33.40	11.93	29.39	0.00	156	264	PEAK
4	5720.36	54.62	111.62	-57.00	38.62	33.44	11.95	29.39	0.00	156	264	PEAK

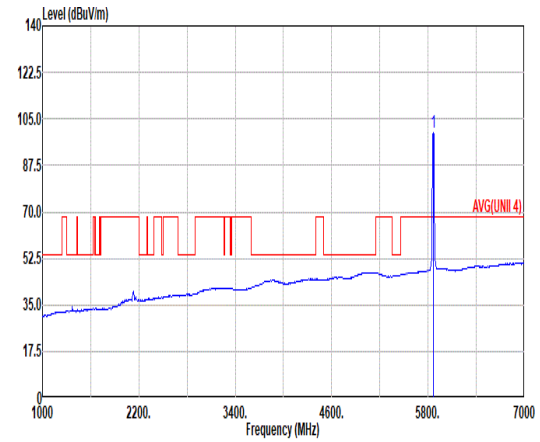


Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

	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	106.81	------	------	90.10	33.96	12.17	29.42	0.00	156	264	PEAK

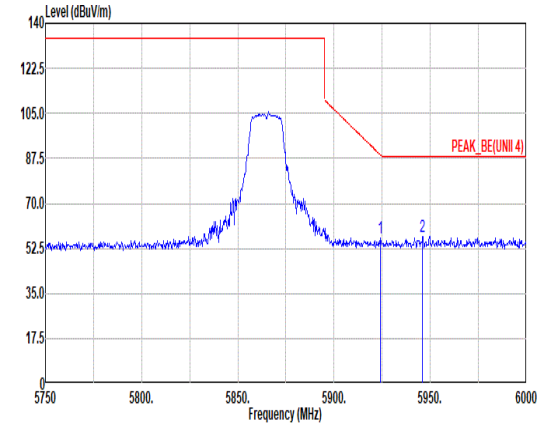
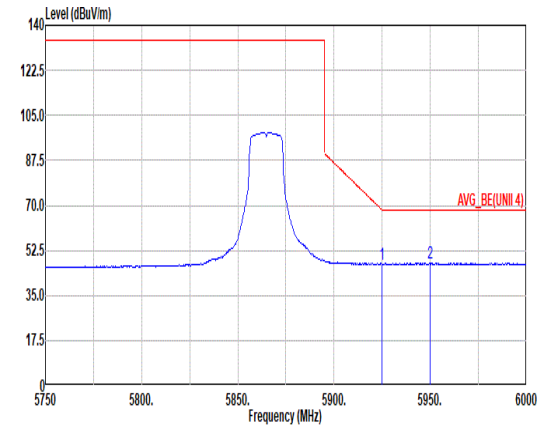
Avg

Blank



Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto

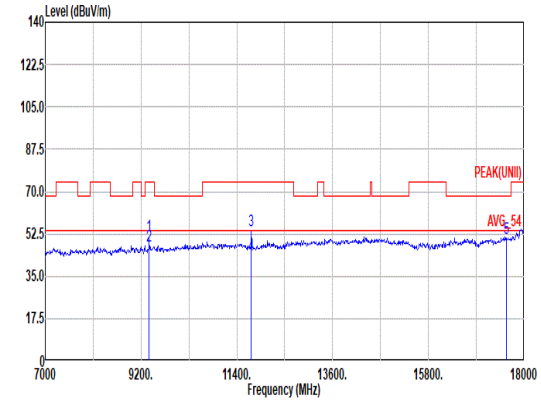
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	5865.00	99.63	------	------	82.92	33.96	12.17	29.42	0.00	156	264	AVERAGE

Mode	63	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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 5924.25 56.53 88.75 -32.22 39.55 34.10 12.31 29.43 0.00 156 264 PEAK 2 5946.00 57.27 88.20 -30.93 40.24 34.10 12.37 29.44 0.00 156 264 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.25 68.20 -20.95 30.26 34.10 12.32 29.43 0.00 156 264 AVERAGE 2 5949.75 47.59 68.20 -20.61 30.55 34.10 12.38 29.44 0.00 156 264 AVERAGE	Blank

Mode	63	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	0	
Pol.	Horizontal	Vertical

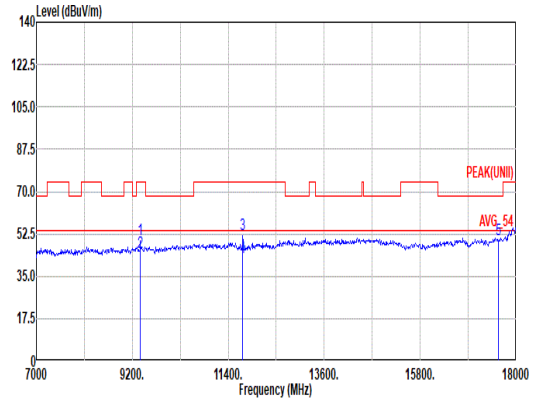
Peak

Avg



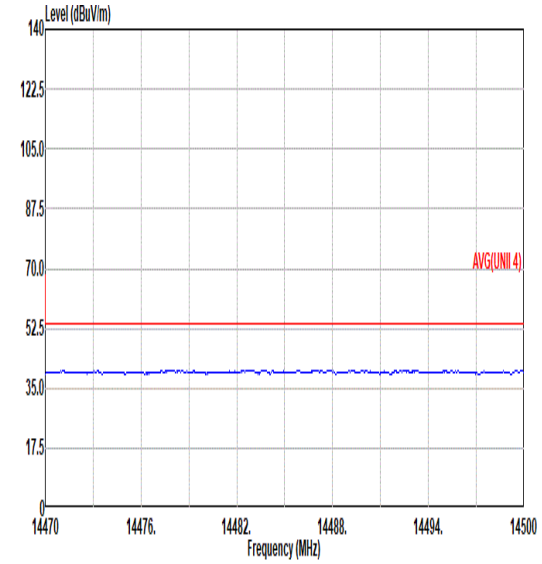
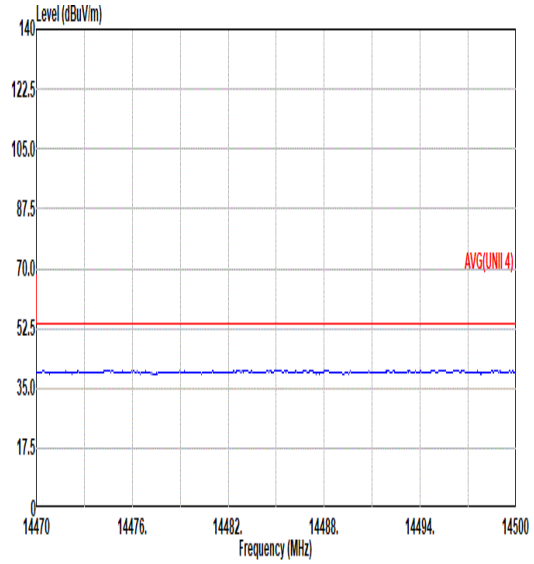
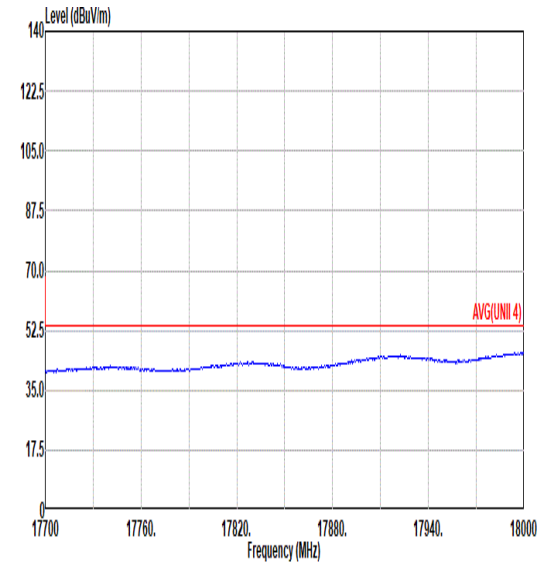
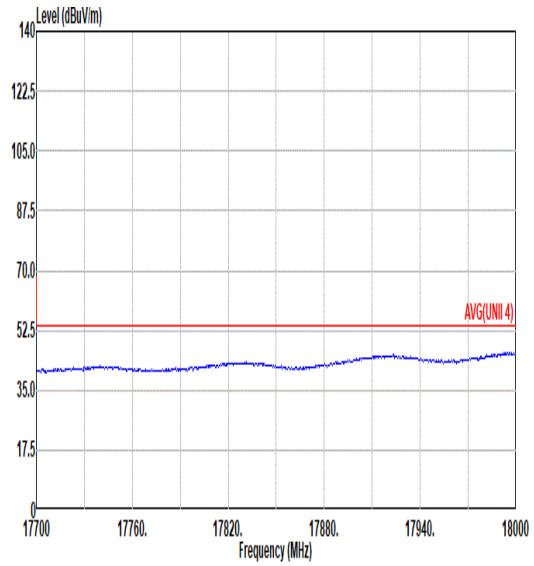
Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 HORIZONTAL

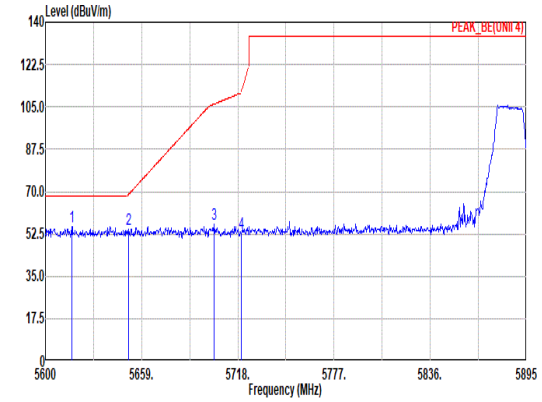
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	9384.00	51.76	74.00	-22.24	64.09	38.00	14.97	65.94	0.64	284	347	PEAK
2	9384.00	47.42	54.00	-6.58	59.75	38.00	14.97	65.94	0.64	284	347	AVERAGE
3	11730.00	53.71	74.00	-20.29	63.82	38.40	16.94	65.89	0.44	100	205	PEAK
4	11730.00	43.90	54.00	-10.10	54.01	38.40	16.94	65.89	0.44	100	205	AVERAGE
5	17595.00	50.84	68.20	-17.36	54.70	39.29	21.48	65.26	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 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	9387.00	50.24	74.00	-23.76	62.54	38.02	14.98	65.94	0.64	103	340	PEAK
2	9387.00	44.78	54.00	-9.22	57.08	38.02	14.98	65.94	0.64	103	340	AVERAGE
3	11730.00	52.32	74.00	-21.68	62.43	38.40	16.94	65.89	0.44	100	243	PEAK
4	11730.00	42.96	54.00	-11.04	53.07	38.40	16.94	65.89	0.44	100	243	AVERAGE
5	17595.00	50.22	68.20	-17.98	54.08	39.29	21.48	65.26	0.63	--	--	PEAK

Mode	63	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	0	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">64</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH177_5885MHz</td></tr>
<tr><td>ANT</td><td colspan="2">0</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5616.23</td><td>55.70</td><td>68.20</td><td>-12.50</td><td>40.35</td><td>32.86</td><td>11.86</td><td>29.37</td><td>0.00</td><td>277</td><td>179</td><td>PEAK</td></tr>
<tr><td>2</td><td>5651.04</td><td>54.17</td><td>68.97</td><td>-14.80</td><td>38.65</td><td>33.01</td><td>11.89</td><td>29.38</td><td>0.00</td><td>277</td><td>179</td><td>PEAK</td></tr>
<tr><td>3</td><td>5703.25</td><td>56.71</td><td>106.11</td><td>-49.40</td><td>40.76</td><td>33.41</td><td>11.93</td><td>29.39</td><td>0.00</td><td>277</td><td>179</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>52.66</td><td>110.95</td><td>-58.29</td><td>36.66</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>277</td><td>179</td><td>PEAK</td></tr>
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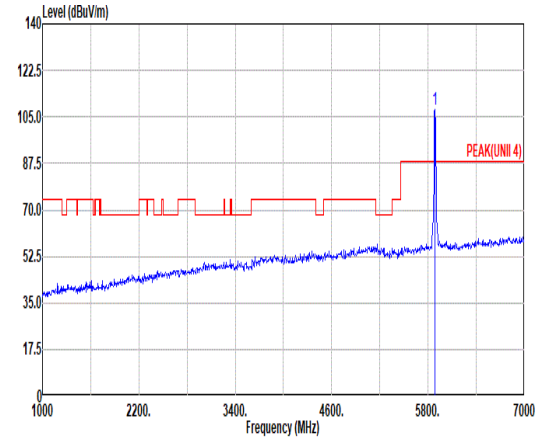

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5885.00</td><td>107.91</td><td>------</td><td>------</td><td>91.08</td><td>34.04</td><td>12.22</td><td>29.43</td><td>0.00</td><td>277</td><td>179</td><td>PEAK</td></tr>
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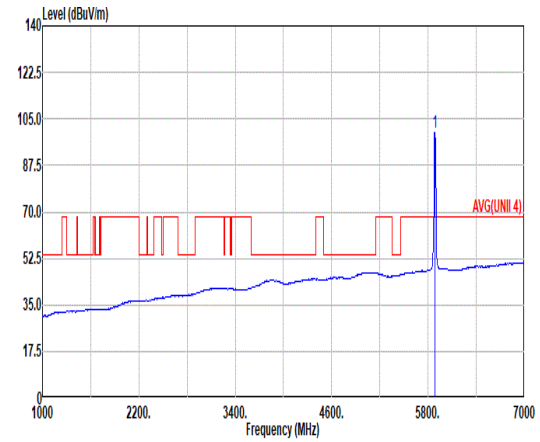

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5885.00</td><td>100.02</td><td>------</td><td>------</td><td>83.19</td><td>34.04</td><td>12.22</td><td>29.43</td><td>0.00</td><td>277</td><td>179</td><td>AVERAGE</td></tr>
</table>
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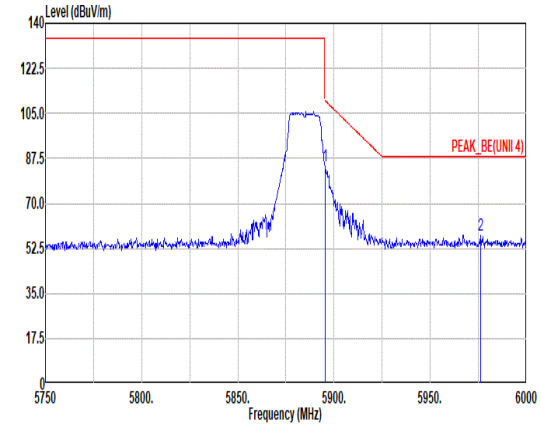
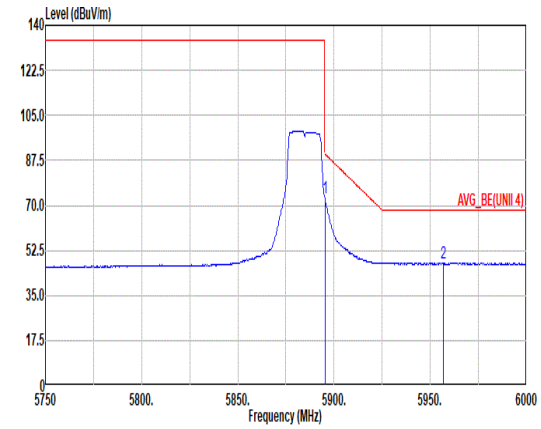
Mode	64	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	0	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.50 84.68 109.83 -25.15 67.79 34.08 12.24 29.43 0.00 277 179 PEAK 2 5976.00 57.53 88.20 -30.67 40.44 34.10 12.44 29.45 0.00 277 179 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5895.25 72.77 90.02 -17.25 55.88 34.08 12.24 29.43 0.00 277 179 AVERAGE 2 5956.75 47.70 68.20 -20.50 30.65 34.10 12.39 29.44 0.00 277 179 AVERAGE	Blank

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<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH177_5885MHz</td></tr>
<tr><td>ANT</td><td colspan="2">0</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
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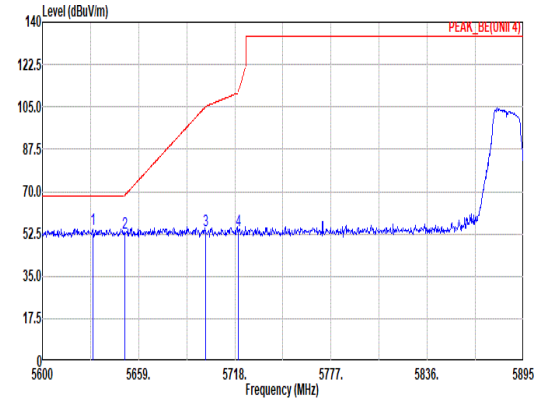

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5630.98</td><td>54.52</td><td>68.20</td><td>-13.68</td><td>39.11</td><td>32.92</td><td>11.87</td><td>29.38</td><td>0.00</td><td>400</td><td>120</td><td>PEAK</td></tr>
<tr><td>2</td><td>5650.74</td><td>53.09</td><td>68.75</td><td>-15.66</td><td>37.57</td><td>33.01</td><td>11.89</td><td>29.38</td><td>0.00</td><td>400</td><td>120</td><td>PEAK</td></tr>
<tr><td>3</td><td>5700.01</td><td>53.98</td><td>105.20</td><td>-51.22</td><td>38.04</td><td>33.40</td><td>11.93</td><td>29.39</td><td>0.00</td><td>400</td><td>120</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>53.86</td><td>110.95</td><td>-57.09</td><td>37.86</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>400</td><td>120</td><td>PEAK</td></tr>
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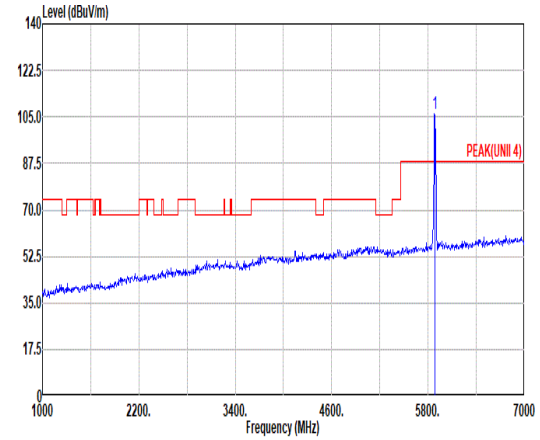

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5885.00</td><td>105.95</td><td>------</td><td>------</td><td>89.17</td><td>34.01</td><td>12.20</td><td>29.43</td><td>0.00</td><td>400</td><td>120</td><td>PEAK</td></tr>
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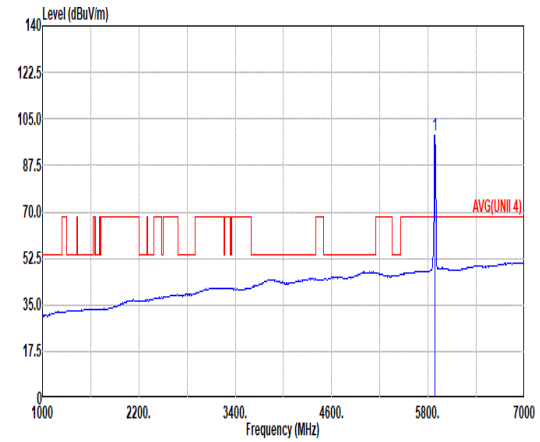

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5885.00</td><td>98.64</td><td>------</td><td>------</td><td>81.86</td><td>34.01</td><td>12.20</td><td>29.43</td><td>0.00</td><td>400</td><td>120</td><td>AVERAGE</td></tr>
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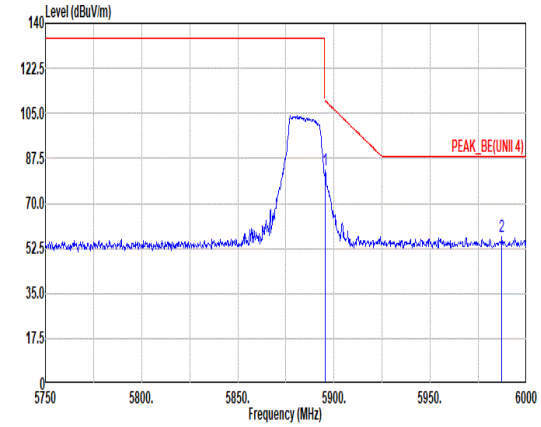
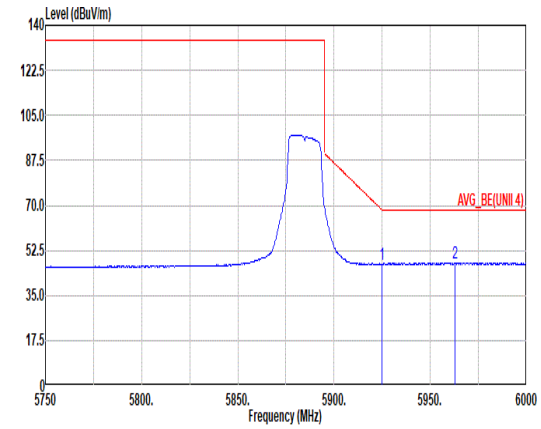
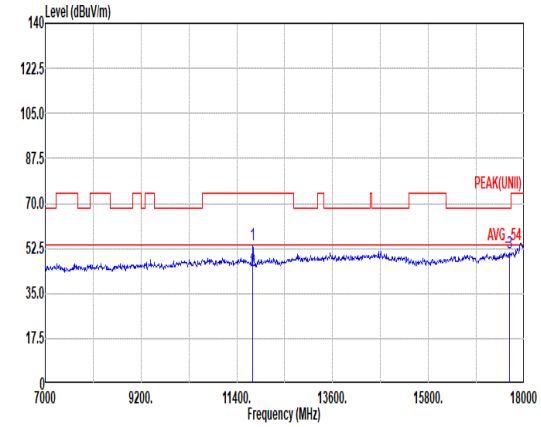
Mode	64	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	0	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.50 82.92 109.83 -26.91 66.03 34.08 12.24 29.43 0.00 400 120 PEAK 2 5987.25 57.14 88.20 -31.06 40.02 34.10 12.47 29.45 0.00 400 120 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.18 68.20 -21.02 30.19 34.10 12.32 29.43 0.00 400 120 AVERAGE 2 5963.00 47.59 68.20 -20.61 30.52 34.10 12.41 29.44 0.00 400 120 AVERAGE	Blank

Mode	64	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	0	
Pol.	Horizontal	Vertical

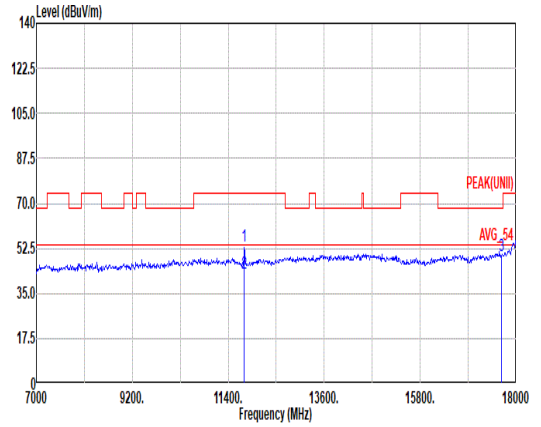
Peak

Avg



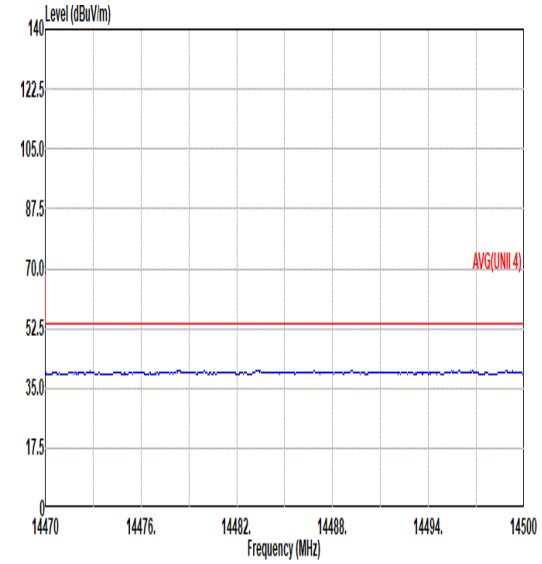
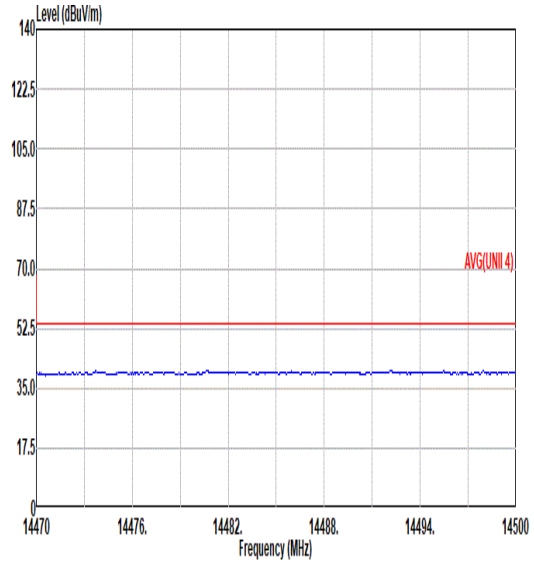
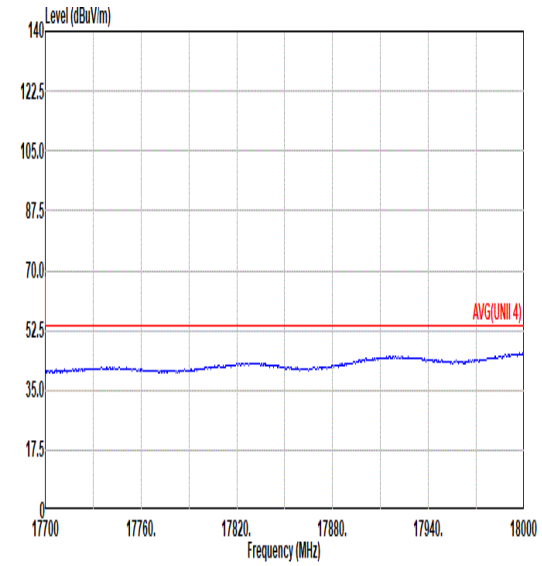
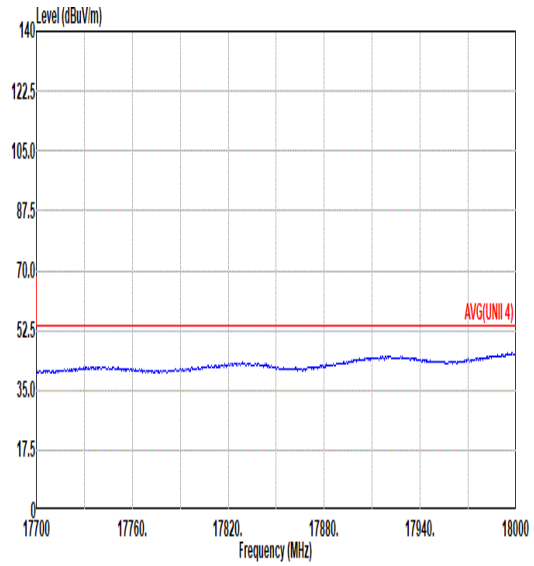
Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 HORIZONTAL

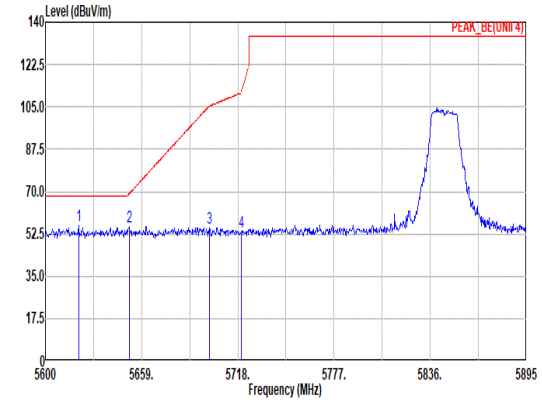
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11770.00	53.66	74.00	-20.34	63.75	38.40	16.98	65.91	0.44	100	201	PEAK
2	11770.00	43.80	54.00	-10.20	53.89	38.40	16.98	65.91	0.44	100	201	AVERAGE
3	17655.00	50.87	68.20	-17.33	54.37	39.54	21.56	65.23	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 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	53.25	74.00	-20.75	63.34	38.40	16.98	65.91	0.44	100	124	PEAK
2	11770.00	43.01	54.00	-10.99	53.10	38.40	16.98	65.91	0.44	100	124	AVERAGE
3	17655.00	49.82	68.20	-18.38	53.32	39.54	21.56	65.23	0.63	--	--	PEAK

Mode	64	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	0	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">65</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH169_5845MHz</td></tr>
<tr><td>ANT</td><td colspan="2">1</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5620.36</td><td>55.84</td><td>68.20</td><td>-12.36</td><td>40.46</td><td>32.88</td><td>11.87</td><td>29.37</td><td>0.00</td><td>300</td><td>154</td><td>PEAK</td></tr>
<tr><td>2</td><td>5651.33</td><td>55.35</td><td>69.19</td><td>-13.84</td><td>39.83</td><td>33.01</td><td>11.89</td><td>29.38</td><td>0.00</td><td>300</td><td>154</td><td>PEAK</td></tr>
<tr><td>3</td><td>5700.60</td><td>54.77</td><td>105.37</td><td>-50.60</td><td>38.83</td><td>33.40</td><td>11.93</td><td>29.39</td><td>0.00</td><td>300</td><td>154</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>53.14</td><td>110.95</td><td>-57.81</td><td>37.14</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>300</td><td>154</td><td>PEAK</td></tr>
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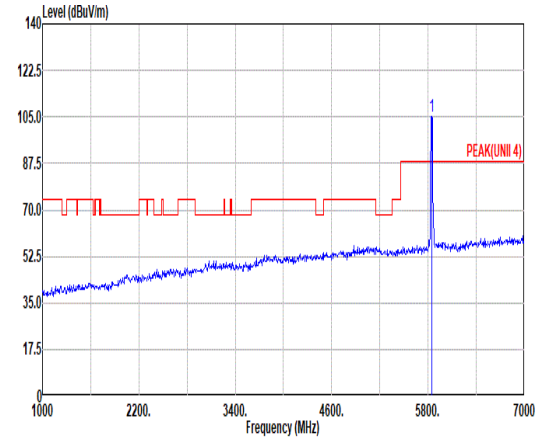

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5845.00</td><td>105.37</td><td>------</td><td>------</td><td>88.82</td><td>33.87</td><td>12.10</td><td>29.42</td><td>0.00</td><td>300</td><td>154</td><td>PEAK</td></tr>
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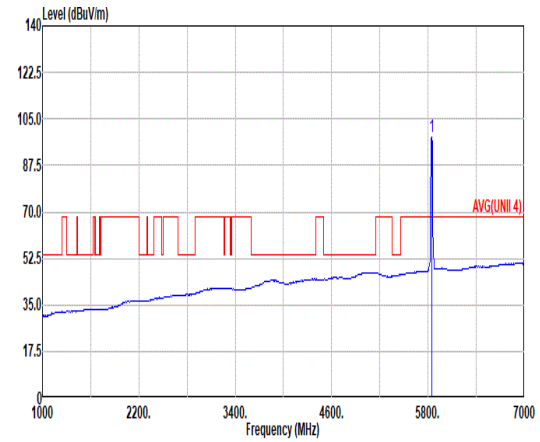

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5845.00</td><td>98.14</td><td>------</td><td>------</td><td>81.57</td><td>33.88</td><td>12.11</td><td>29.42</td><td>0.00</td><td>300</td><td>154</td><td>AVERAGE</td></tr>
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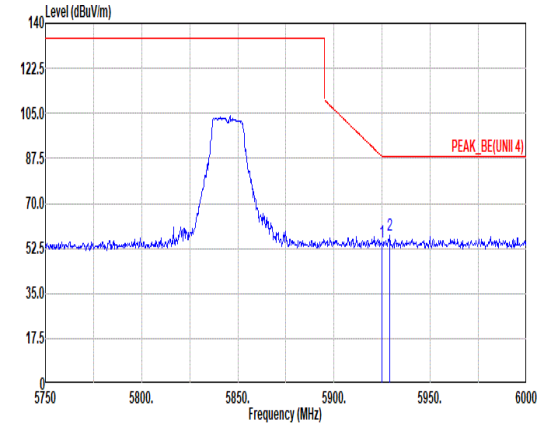
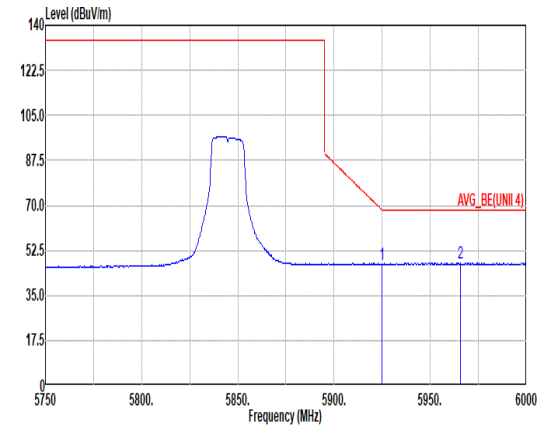
Mode	65	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 54.96 88.20 -33.24 37.97 34.10 12.32 29.43 0.00 300 154 PEAK 2 5929.00 57.50 88.20 -30.70 40.51 34.10 12.33 29.44 0.00 300 154 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.23 68.20 -20.97 30.24 34.10 12.32 29.43 0.00 300 154 AVERAGE 2 5965.50 47.60 68.20 -20.60 30.52 34.10 12.42 29.44 0.00 300 154 AVERAGE	Blank

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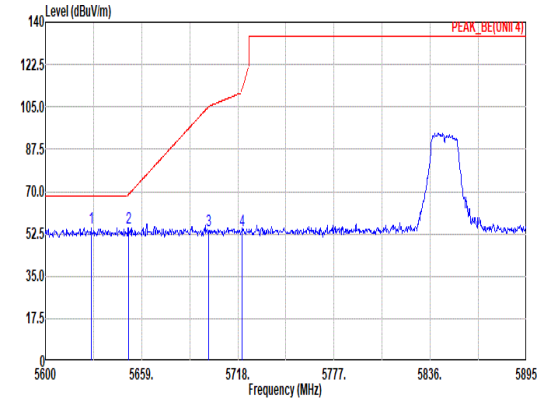
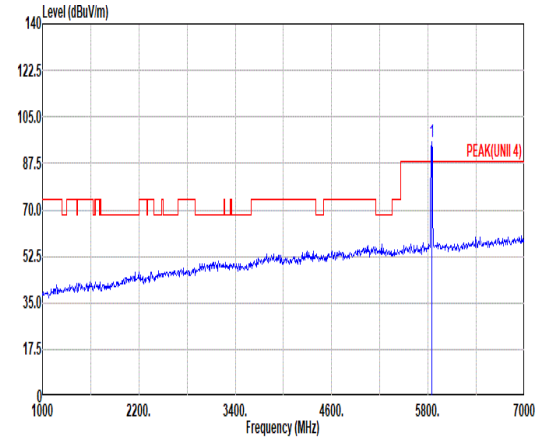
<tr><td>ANT</td><td colspan="2">1</td></tr>
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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	5628.03	54.88	68.20	-13.32	39.48	32.91	11.87	29.38	0.00	336	256	PEAK
2	5651.04	55.17	68.97	-13.80	39.65	33.01	11.89	29.38	0.00	336	256	PEAK
3	5700.30	53.86	105.28	-51.42	37.92	33.40	11.93	29.39	0.00	336	256	PEAK
4	5720.36	54.05	111.62	-57.57	38.05	33.44	11.95	29.39	0.00	336	256	PEAK

</td><td> 

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 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	95.86	------	------	79.29	33.88	12.11	29.42	0.00	336	256	PEAK

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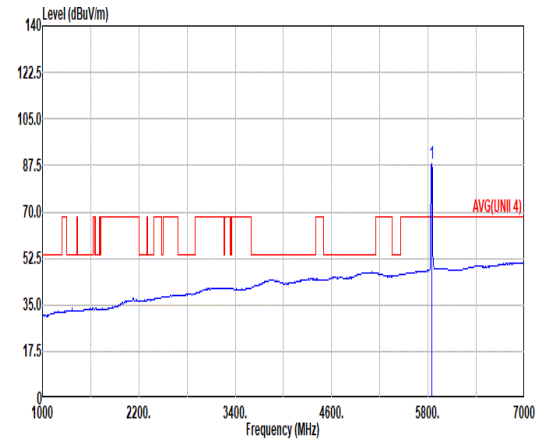
<tr><td>Avg</td><td>Blank</td><td> 

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz 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	88.44	------	------	71.87	33.88	12.11	29.42	0.00	336	256	AVERAGE

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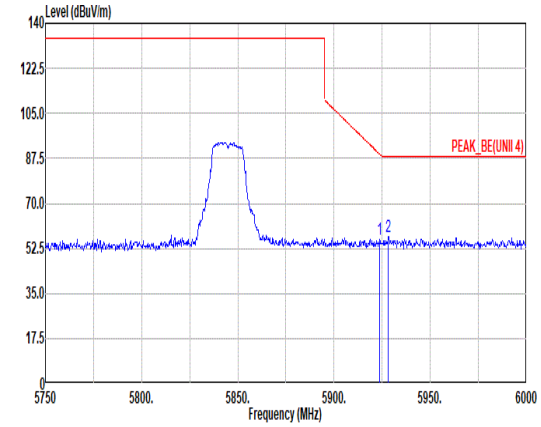
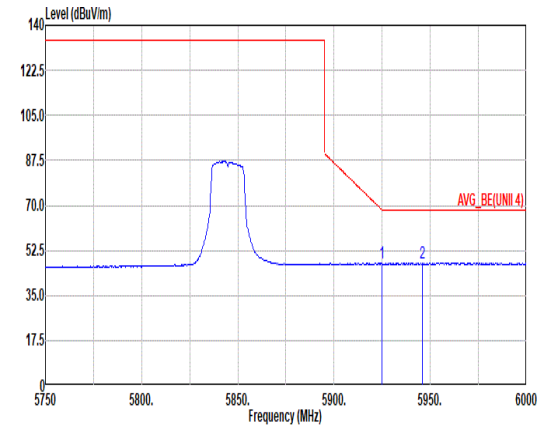
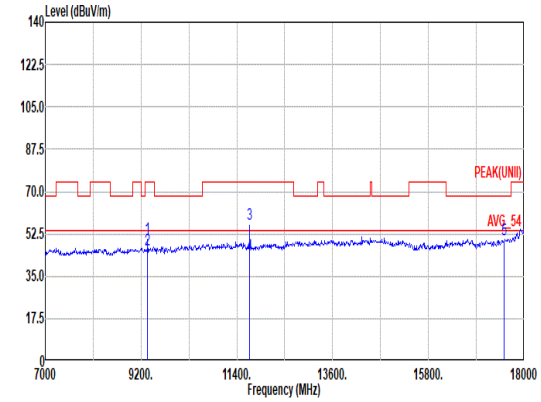
</table>

Mode	65	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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 5923.75 56.11 89.11 -33.00 39.13 34.10 12.31 29.43 0.00 336 256 PEAK 2 5928.25 57.08 88.20 -31.12 40.10 34.10 12.32 29.44 0.00 336 256 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 47.29 68.38 -21.09 30.30 34.10 12.32 29.43 0.00 336 256 AVERAGE 2 5946.00 47.72 68.20 -20.48 30.69 34.10 12.37 29.44 0.00 336 256 AVERAGE	Blank

Mode	65	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	1	
Pol.	Horizontal	Vertical

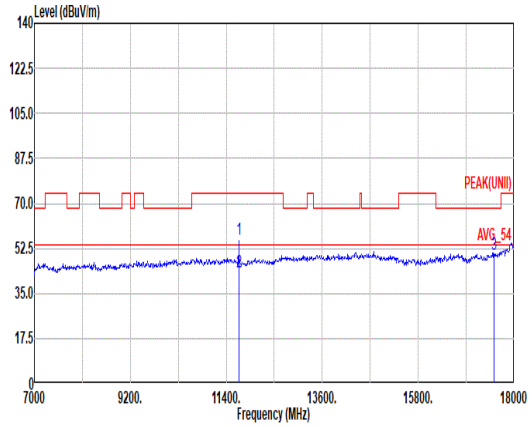
Peak

Avg



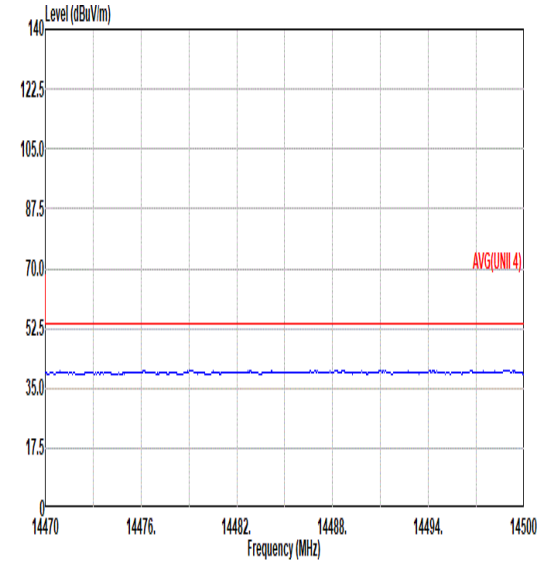
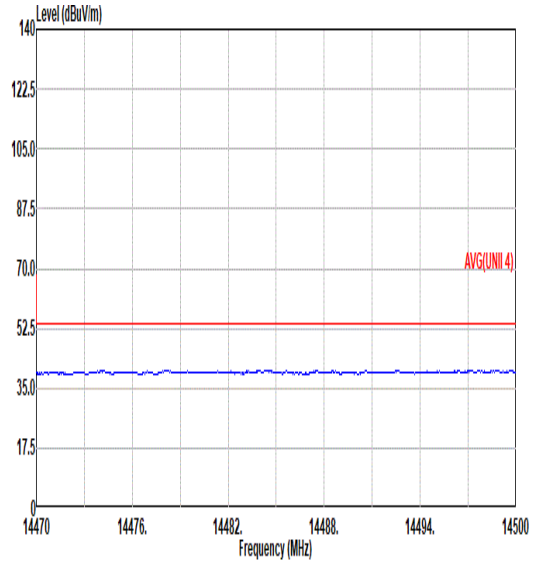
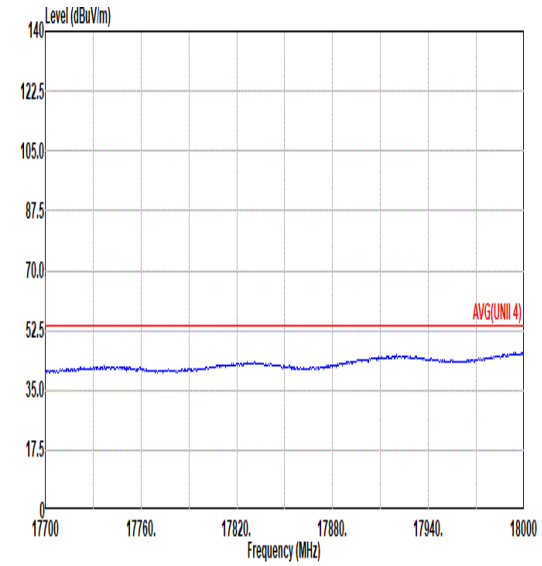
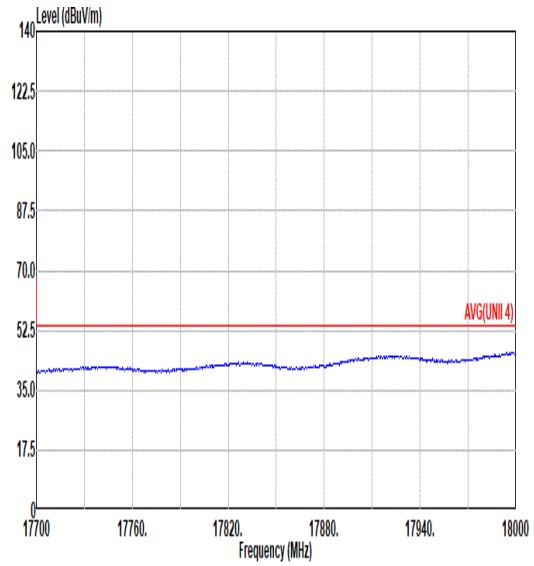
Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 HORIZONTAL

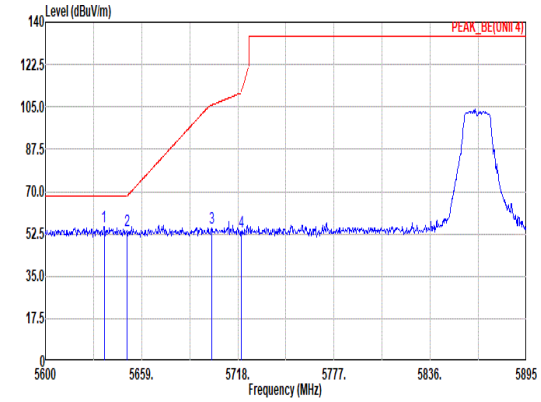
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	9354.00	50.72	74.00	-23.28	63.25	37.82	14.94	65.93	0.64	296	358	PEAK
2	9354.00	45.78	54.00	-8.22	58.31	37.82	14.94	65.93	0.64	296	358	AVERAGE
3	11690.00	56.45	74.00	-17.55	66.59	38.38	16.91	65.87	0.44	204	13	PEAK
4	11690.00	43.97	54.00	-10.03	54.11	38.38	16.91	65.87	0.44	204	13	AVERAGE
5	17535.00	50.19	68.20	-18.01	54.37	39.08	21.41	65.30	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 VERTICAL

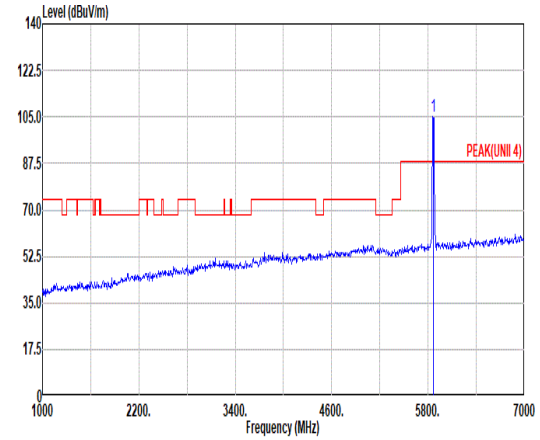
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11690.00	55.88	74.00	-18.12	66.02	38.38	16.91	65.87	0.44	306	187	PEAK
2	11690.00	43.26	54.00	-10.74	53.40	38.38	16.91	65.87	0.44	306	187	AVERAGE
3	17535.00	50.27	68.20	-17.93	54.45	39.08	21.41	65.30	0.63	--	--	PEAK

Mode	65	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH169_5845MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">66</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH173_5865MHz</td></tr>
<tr><td>ANT</td><td colspan="2">1</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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	5635.99	55.73	68.20	-12.47	40.48	32.94	11.69	29.38	0.00	143	360	PEAK
2	5650.15	53.93	68.31	-14.38	38.61	33.00	11.70	29.38	0.00	143	360	PEAK
3	5701.78	55.06	105.70	-50.64	39.29	33.40	11.76	29.39	0.00	143	360	PEAK
4	5720.07	53.20	110.95	-57.75	37.37	33.44	11.78	29.39	0.00	143	360	PEAK

</td><td> 

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 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	105.09	------	------	88.66	33.94	11.91	29.42	0.00	143	360	PEAK

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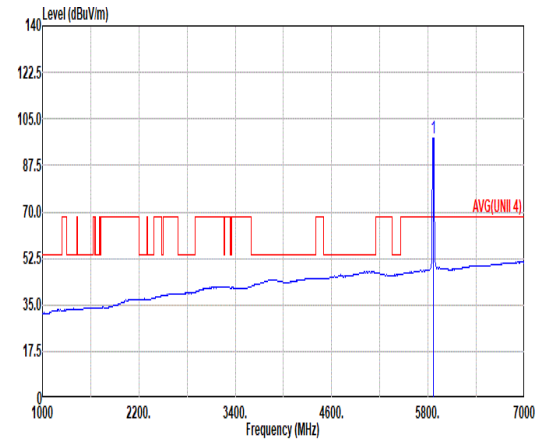
<tr><td>Avg</td><td>Blank</td><td> 

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.750kHz 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	97.77	------	------	81.28	33.99	11.92	29.42	0.00	143	360	AVERAGE

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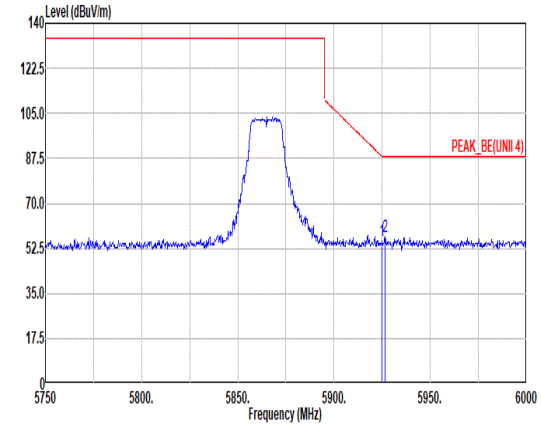
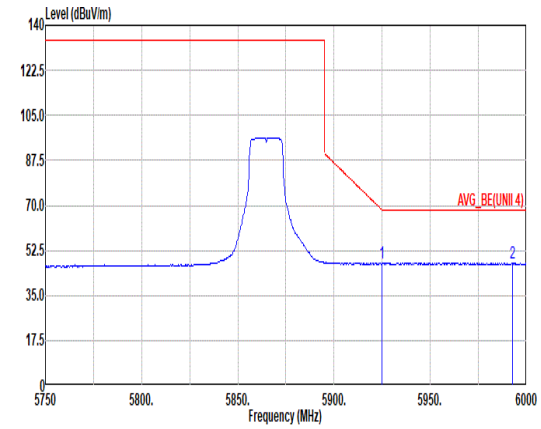
Mode	66	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5925.00 55.41 88.20 -32.79 38.77 34.10 11.97 29.43 0.00 143 360 PEAK 2 5926.50 57.10 88.20 -31.10 40.47 34.10 11.97 29.44 0.00 143 360 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5925.00 47.29 68.20 -20.91 30.65 34.10 11.97 29.43 0.00 143 360 AVERAGE 2 5992.75 47.58 68.20 -20.62 30.91 34.10 12.02 29.45 0.00 143 360 AVERAGE	Blank

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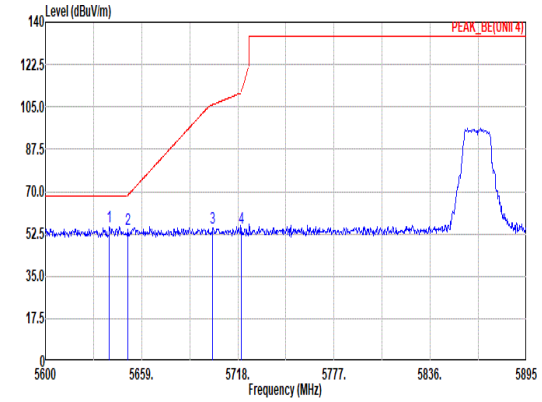
<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td>


Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5639.24</td><td>55.57</td><td>68.20</td><td>-12.63</td><td>40.30</td><td>32.96</td><td>11.69</td><td>29.38</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
<tr><td>2</td><td>5650.74</td><td>54.49</td><td>68.75</td><td>-14.26</td><td>39.16</td><td>33.01</td><td>11.70</td><td>29.38</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
<tr><td>3</td><td>5702.66</td><td>54.97</td><td>105.95</td><td>-50.98</td><td>39.19</td><td>33.41</td><td>11.76</td><td>29.39</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>54.73</td><td>110.95</td><td>-56.22</td><td>38.90</td><td>33.44</td><td>11.78</td><td>29.39</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
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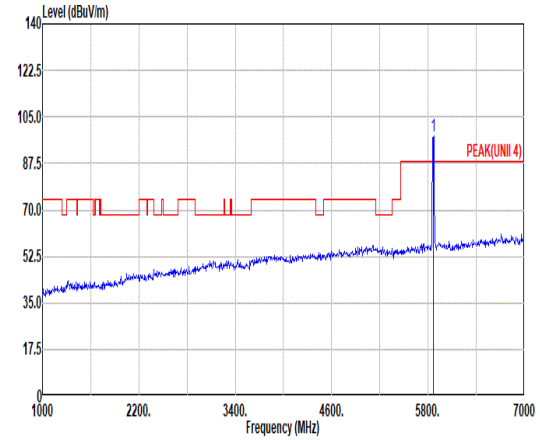

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
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<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5865.00</td><td>97.94</td><td>------</td><td>------</td><td>81.45</td><td>33.99</td><td>11.92</td><td>29.42</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
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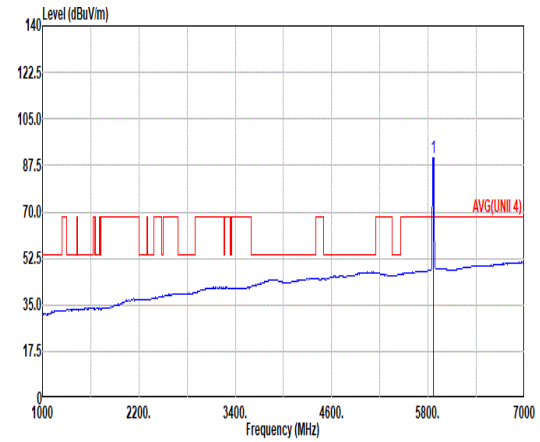

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5865.00</td><td>90.50</td><td>------</td><td>------</td><td>74.04</td><td>33.96</td><td>11.92</td><td>29.42</td><td>0.00</td><td>300</td><td>34</td><td>AVERAGE</td></tr>
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<tr><td colspan="2">Band Edge - R</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH173_5865MHz</td></tr>
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<tr><td>Pol.</td><td>Vertical</td><td>Fundamental</td></tr>
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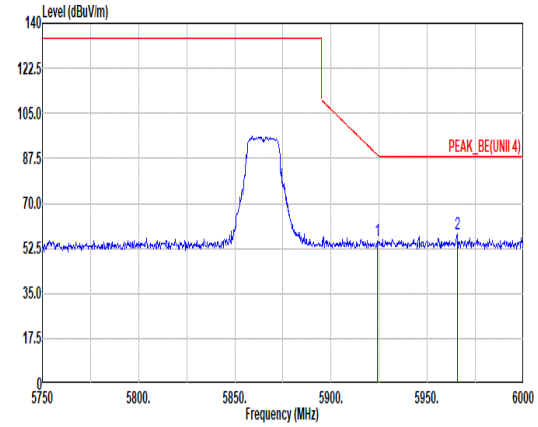

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto

<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5924.25</td><td>55.42</td><td>88.75</td><td>-33.33</td><td>38.78</td><td>34.10</td><td>11.97</td><td>29.43</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
<tr><td>2</td><td>5965.50</td><td>57.89</td><td>88.20</td><td>-30.31</td><td>41.23</td><td>34.10</td><td>12.00</td><td>29.44</td><td>0.00</td><td>300</td><td>34</td><td>PEAK</td></tr>
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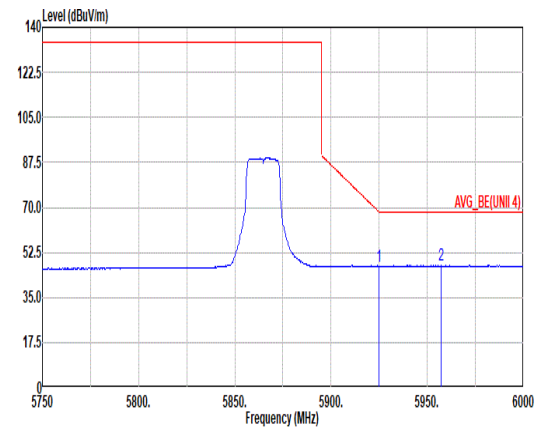

Site : 03CH16-HY
Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto

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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
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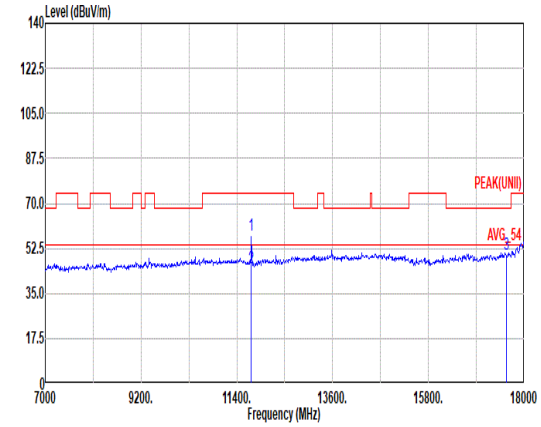
Mode	66	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	1	
Pol.	Horizontal	Vertical

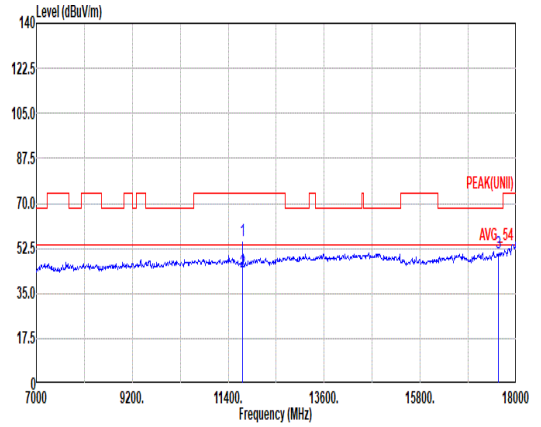
Peak

Avg



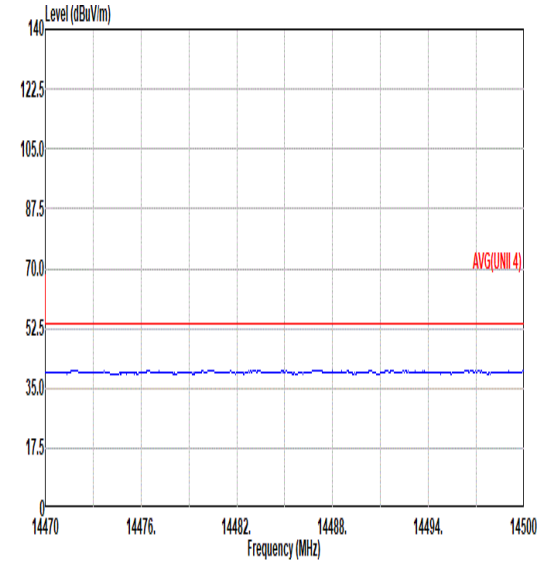
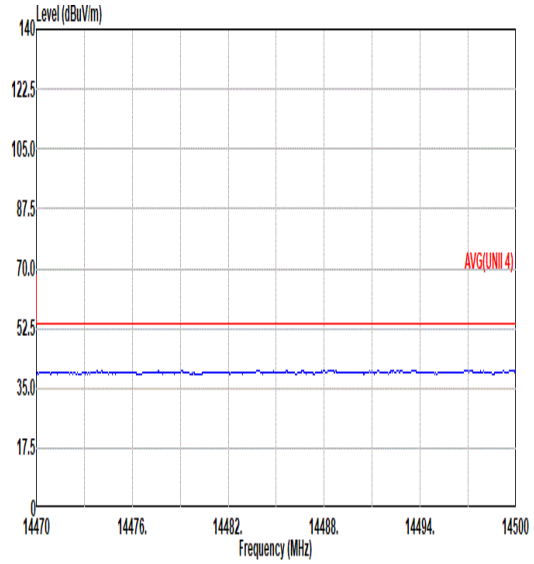
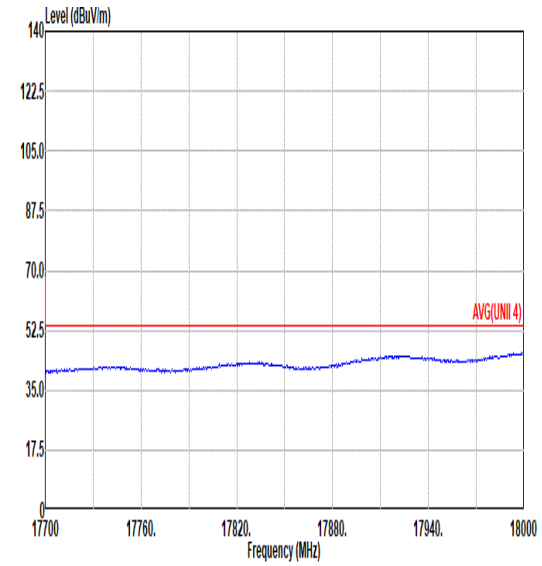
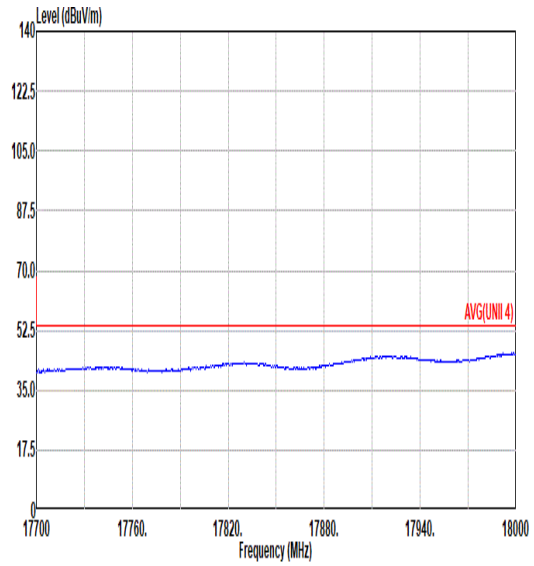
Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 HORIZONTAL

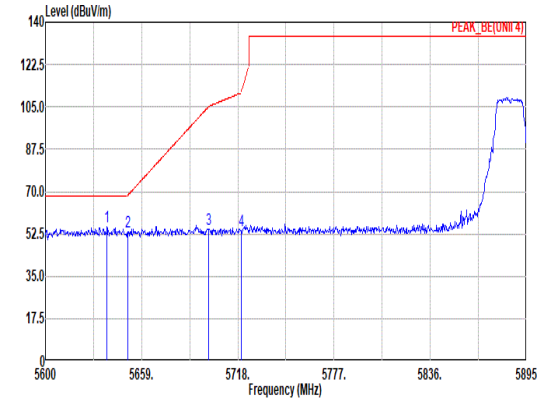
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11730.00	57.43	74.00	-16.57	67.54	38.40	16.94	65.89	0.44	208	185	PEAK
2	11730.00	44.96	54.00	-9.04	55.07	38.40	16.94	65.89	0.44	208	185	AVERAGE
3	17595.00	50.15	68.20	-18.05	54.01	39.29	21.48	65.26	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 VERTICAL

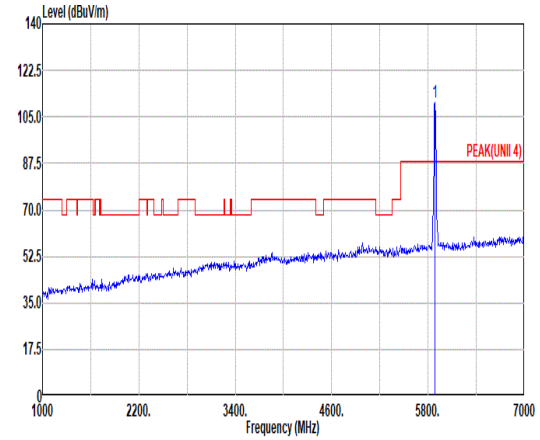
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11730.00	55.27	74.00	-18.73	65.38	38.40	16.94	65.89	0.44	298	187	PEAK
2	11730.00	43.08	54.00	-10.92	53.19	38.40	16.94	65.89	0.44	298	187	AVERAGE
3	17595.00	50.66	68.20	-17.54	54.52	39.29	21.48	65.26	0.63	--	--	PEAK

Mode	66	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH173_5865MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
17.7G ~18G Avg	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL	 Site : 03CH16-HY Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL

<table>
<tr><td rowspan="3">Mode</td><td colspan="2">67</td></tr>
<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH177_5885MHz</td></tr>
<tr><td>ANT</td><td colspan="2">1</td></tr>
<tr><td>Pol.</td><td>Horizontal</td><td>Fundamental</td></tr>
<tr><td>Peak</td><td> 

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 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	5637.76	55.27	68.20	-12.93	39.82	32.95	11.88	29.38	0.00	238	6	PEAK
2	5650.74	53.59	68.75	-15.16	38.07	33.01	11.89	29.38	0.00	238	6	PEAK
3	5700.30	54.37	105.28	-50.91	38.43	33.40	11.93	29.39	0.00	238	6	PEAK
4	5720.07	54.03	110.95	-56.92	38.03	33.44	11.95	29.39	0.00	238	6	PEAK

</td><td> 

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 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	110.54	------	------	93.68	34.06	12.23	29.43	0.00	238	6	PEAK

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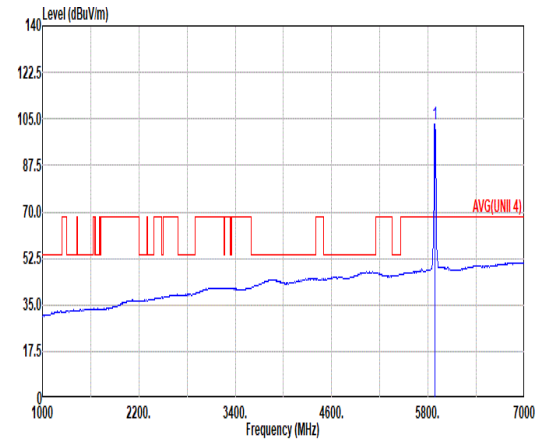
<tr><td>Avg</td><td>Blank</td><td> 

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 HORIZONTAL
: RBW:1000.000kHz VBW:0.750kHz 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	103.21	------	------	86.35	34.06	12.23	29.43	0.00	238	6	AVERAGE

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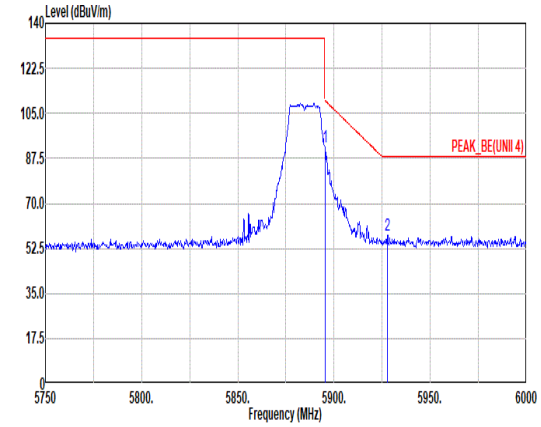
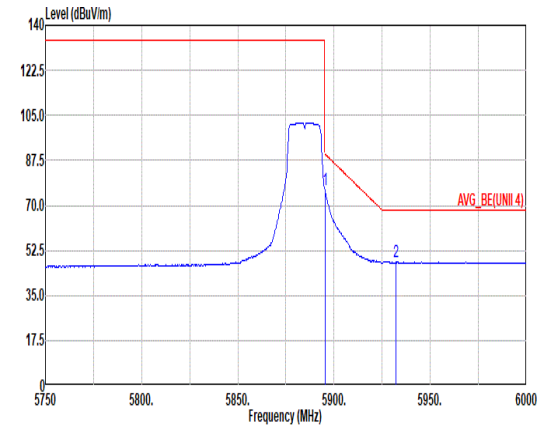
Mode	67	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.25 91.83 110.02 -18.19 74.94 34.08 12.24 29.43 0.00 238 6 PEAK 2 5927.75 57.68 88.20 -30.52 40.70 34.10 12.32 29.44 0.00 238 6 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 HORIZONTAL : RBW:1000.000kHz VBW:0.750kHz 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 5895.25 76.03 90.02 -13.99 59.14 34.08 12.24 29.43 0.00 238 6 AVERAGE 2 5932.00 48.10 68.20 -20.10 31.11 34.10 12.33 29.44 0.00 238 6 AVERAGE	Blank

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<tr><td colspan="2">Band Edge - L</td></tr>
<tr><td colspan="2">U-NII-4_5.85-5.895_802.11a_CH177_5885MHz</td></tr>
<tr><td>ANT</td><td colspan="2">1</td></tr>
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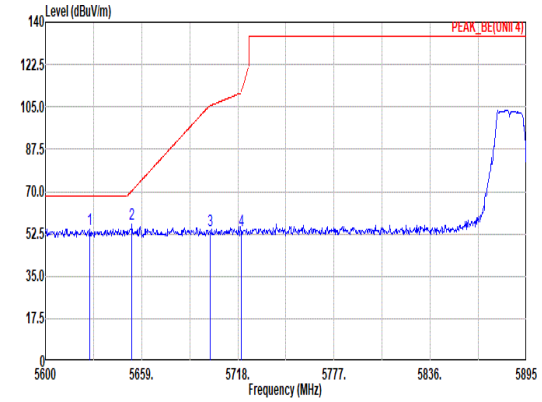

Site : 03CH16-HY
Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
<table>
<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5627.14</td><td>54.45</td><td>68.20</td><td>-13.75</td><td>39.05</td><td>32.91</td><td>11.87</td><td>29.38</td><td>0.00</td><td>396</td><td>254</td><td>PEAK</td></tr>
<tr><td>2</td><td>5653.10</td><td>56.77</td><td>70.50</td><td>-13.73</td><td>41.24</td><td>33.02</td><td>11.89</td><td>29.38</td><td>0.00</td><td>396</td><td>254</td><td>PEAK</td></tr>
<tr><td>3</td><td>5701.19</td><td>54.14</td><td>105.53</td><td>-51.39</td><td>38.20</td><td>33.40</td><td>11.93</td><td>29.39</td><td>0.00</td><td>396</td><td>254</td><td>PEAK</td></tr>
<tr><td>4</td><td>5720.07</td><td>53.64</td><td>110.95</td><td>-57.31</td><td>37.64</td><td>33.44</td><td>11.95</td><td>29.39</td><td>0.00</td><td>396</td><td>254</td><td>PEAK</td></tr>
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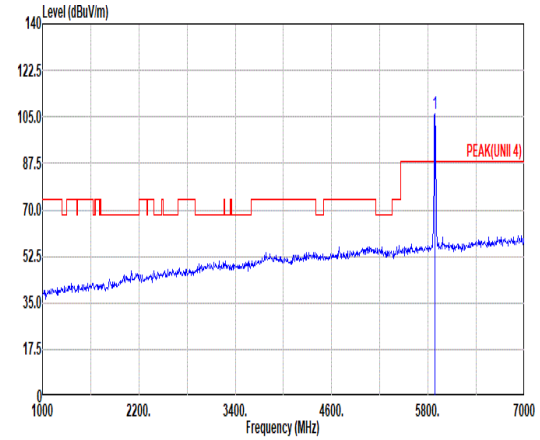

Site : 03CH16-HY
Condition: PEAK(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5885.00</td><td>105.98</td><td>------</td><td>------</td><td>89.15</td><td>34.04</td><td>12.22</td><td>29.43</td><td>0.00</td><td>396</td><td>254</td><td>PEAK</td></tr>
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</td></tr>
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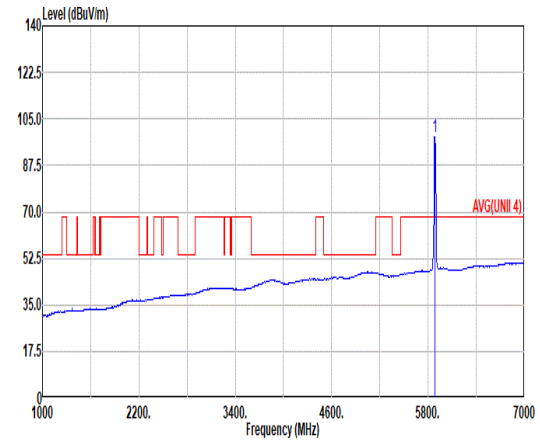

Site : 03CH16-HY
Condition: AVG(UNII 4) 3m 9120D-1522_240328 VERTICAL
: RBW:1000.000kHz VBW:0.750kHz SWT:Auto
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<tr><th></th><th>Freq</th><th>Level</th><th>Limit Line</th><th>Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</th><th>APos</th><th>TPos</th><th>Remark</th></tr>
<tr><td></td><td>MHz</td><td>dBuV/m</td><td>dBuV/m</td><td>dB</td><td>dBuV</td><td>dB/m</td><td>dB</td><td>dB</td><td>dB</td><td>cm</td><td>deg</td><td></td></tr>
<tr><td>1</td><td>5885.00</td><td>98.46</td><td>------</td><td>------</td><td>81.63</td><td>34.04</td><td>12.22</td><td>29.43</td><td>0.00</td><td>396</td><td>254</td><td>AVERAGE</td></tr>
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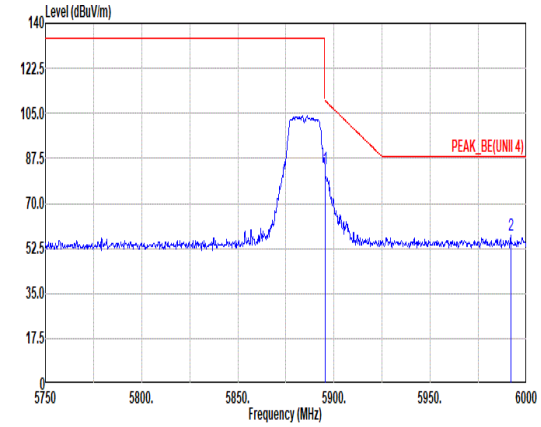
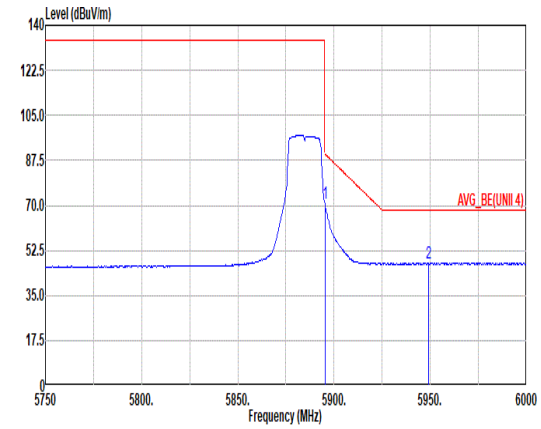
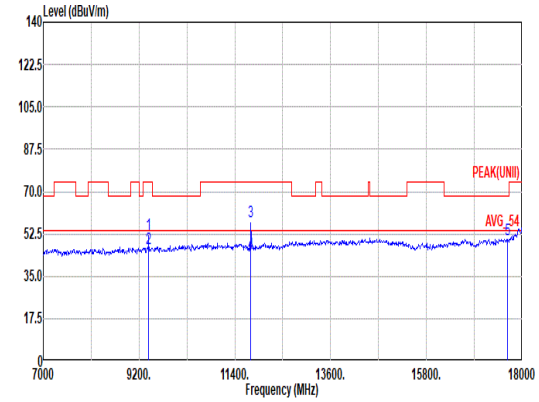
Mode	67	
	Band Edge - R	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH16-HY Condition: PEAK_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 5895.25 83.47 110.02 -26.55 66.58 34.08 12.24 29.43 0.00 396 254 PEAK 2 5991.75 57.49 88.20 -30.71 40.36 34.10 12.48 29.45 0.00 396 254 PEAK	Blank
Avg	 Site : 03CH16-HY Condition: AVG_BE(UNII 4) 3m 9120D-1522_240328 VERTICAL : RBW:1000.000kHz VBW:0.750kHz 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 5895.25 70.60 90.02 -19.42 53.71 34.08 12.24 29.43 0.00 396 254 AVERAGE 2 5949.00 47.59 68.20 -20.61 30.55 34.10 12.38 29.44 0.00 396 254 AVERAGE	Blank

Mode	67	
	Harmonic	
	U-NII-4_5.85-5.895_802.11a_CH177_5885MHz	
ANT	1	
Pol.	Horizontal	Vertical

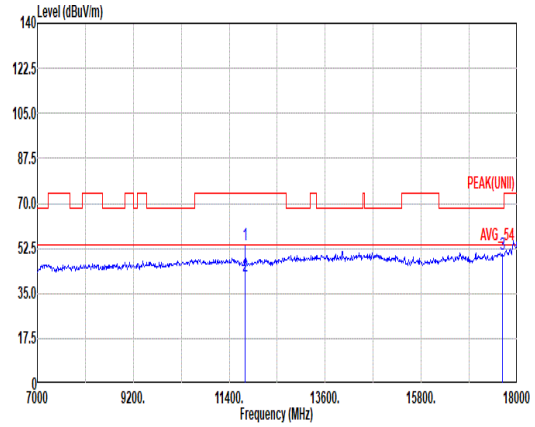
Peak

Avg



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 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	9420.00	52.26	74.00	-21.74	64.40	38.14	15.03	65.95	0.64	289	359	PEAK
2	9420.00	46.49	54.00	-7.51	58.63	38.14	15.03	65.95	0.64	289	359	AVERAGE
3	11770.00	57.58	74.00	-16.42	67.67	38.40	16.98	65.91	0.44	211	18	PEAK
4	11770.00	44.31	54.00	-9.69	54.40	38.40	16.98	65.91	0.44	211	18	AVERAGE
5	17655.00	50.33	68.20	-17.87	53.83	39.54	21.56	65.23	0.63	--	--	PEAK



Site : 03CH16-HY
Condition: PEAK(UNII) 3m 9120D-1522_240328 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	53.80	74.00	-20.20	63.89	38.40	16.98	65.91	0.44	276	187	PEAK
2	11770.00	41.96	54.00	-12.04	52.05	38.40	16.98	65.91	0.44	276	187	AVERAGE
3	17655.00	49.96	68.20	-18.24	53.46	39.54	21.56	65.23	0.63	--	--	PEAK