

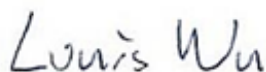


FCC RADIO TEST REPORT

FCC ID : TVE-241001
Equipment : Network Security Gateway
Brand Name : FORTINET 
Model Name : FortiWiFi 70G-POExxxxxxxxxxx,
FORTIWIFI-70G-POExxxxxxxxxxx, FWF-70G-POExxxxxxxxxxx,
FortiWiFi 71G-POExxxxxxxxxxx,
FORTIWIFI-71G-POExxxxxxxxxxx, FWF-71G-POExxxxxxxxxxx
(where "x" can be used as "0-9", or "A-Z", or "-", or blank for
software changes or marketing purposes only)
Applicant : Fortinet Inc.
909 Kifer Rd., Sunnyvale, CA 94086, United States
Manufacturer : Fortinet Inc.
909 Kifer Rd., Sunnyvale, CA 94086, United States
Standard : FCC Part 15 Subpart E §15.407

The product was received on Nov. 20, 2024 and testing was performed from Nov. 22, 2024 to Feb. 24, 2025. 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.



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
FR4N1307D	01	Initial issue of report	Mar. 11, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.403	6dB & 26dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	Pass	-
3.3	15.407(a)	Power Spectral Density	Pass	-
3.4	15.407(b)	Unwanted Emissions	Pass	-
3.5	15.207	AC Conducted Emission	Pass	-
3.6	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Yun Huang

Report Producer: Rebecca Wu



1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature		
General Specs Bluetooth-LE, Wi-Fi 2.4GHz 802.11b/g/n/ax and Wi-Fi 5GHz 802.11a/n/ac/ax.		
Antenna Type WLAN: <Ant. 1>: Dipole Antenna <Ant. 2>: Dipole Antenna <Ant. 3>: Dipole Antenna		
Antenna information		
5725 MHz ~ 5850 MHz	Peak Gain (dBi)	<Ant. 1>: 1.58 <Ant. 2>: 1.58 <Ant. 3>: 1.58

Remark:

1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. Antenna 3 is used for receiving only.

Model differences description		
Model Feature	FWF-71G-POE	FWF-70G-POE
M.2 SSD	V	X

Remark: All the tests were performed with Model: FWF-71G-POE.

1.1.1 Antenna Directional Gain

<For CDD Mode>

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

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

For power measurements on IEEE 802.11 devices,

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

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

For PSD measurements, the directional gain calculation.

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

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

			DG for Power	DG for PSD	Power Limit Reduction	PSD Limit Reduction
	Ant 1 (dBi)	Ant 2 (dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.58	1.58	1.58	4.59	0.00	0.00

Calculation example:

If a device has two antenna, $G_{ANT1} = 1.58\text{dBi}$; $G_{ANT2} = 1.58\text{dBi}$

Directional gain of power measurement = $\max(1.58, 1.58) + 0 = 1.58$ dBi

Directional gain of PSD derived from formula which is

$$10 \times \log \left\{ \left[10^{(1.58 \text{ dBi} / 20)} + 10^{(1.58 \text{ dBi} / 20)} \right]^2 \right\} / 2 \}$$

$$= 4.59 \text{ dBi}$$

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

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

<TXBF Modes>

The EUT supports beamforming modes , then

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

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

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

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

			DG	DG	Power	PSD
			for	for	Limit	Limit
	Ant 1	Ant 2	Power	PSD	Reduction	Reduction
	(dBi)	(dBi)	(dBi)	(dBi)	(dB)	(dB)
Band IV	1.58	1.58	4.59	4.59	0.00	0.00

Calculation example:

Directional gain is derived from formula which is

$$10 \times \log \{ \{ [10^{\frac{1.58 \text{ dBi}}{20}} + 10^{\frac{1.58 \text{ dBi}}{20}}]^2 \} / 2 \}$$

$$= 4.59 \text{ dBi}$$

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	Sporton Site No. TH05-HY, CO07-HY, 03CH20-HY

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

FCC designation No.: TW3786

1.4 Applicable Standards

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

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

Remark:

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

2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz) radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). 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 two degree (Degree 0 or Degree 90), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5725-5850 MHz Band 4 (U-NII-3)	149	5745	157	5785
	151*	5755	159*	5795
	153	5765	161	5805
	155 [#]	5775	165	5825

Note:

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

2.2 Test Mode

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

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

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

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

MIMO Mode

CDD Mode

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

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

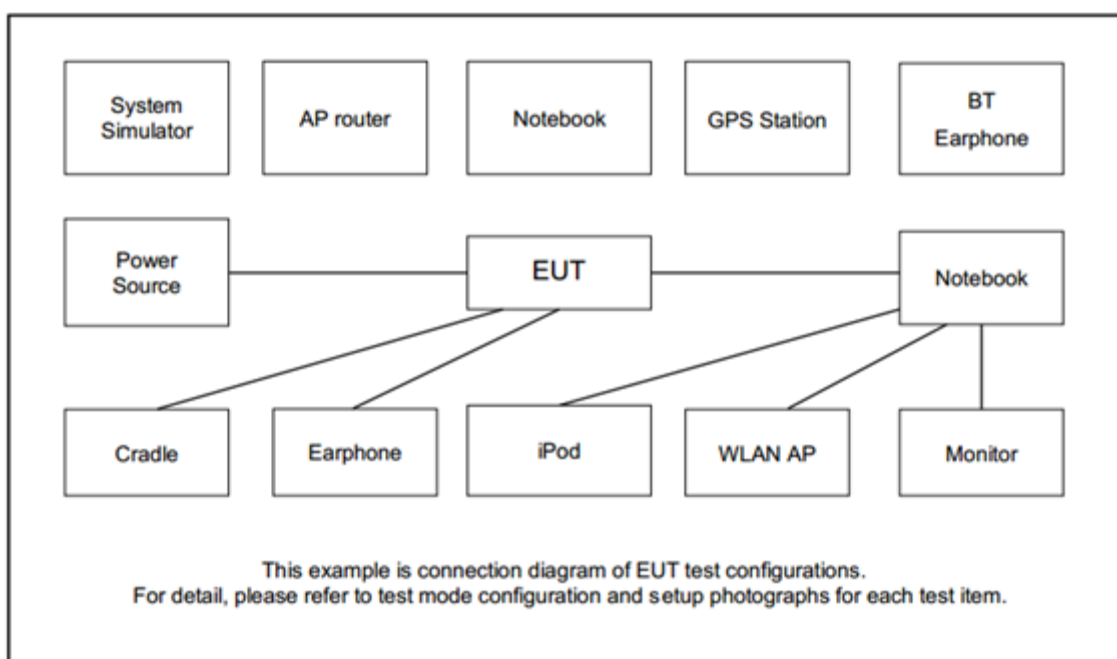
TXBF Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + Adapter
Remark: - The detailed Radiated test modes are shown in Appendix C. - 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.	WLAN AP	ASUS	RT-AC52	MSQ-RTAC4A00	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude 3400	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Notebook	DELL	Latitude5310	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m



2.5 EUT Operation Test Setup

The RF test items, utility “MT7961 QA 0.0.2.78” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

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

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

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

26dB and 99% Occupied bandwidth are reporting only.

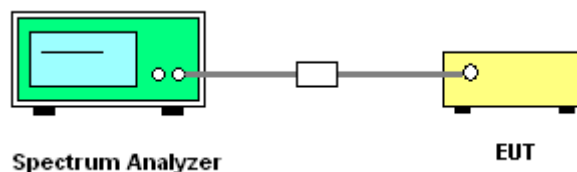
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth for the band 5.725-5.85 GHz
2. Set RBW = 100 kHz.
3. Set the VBW $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. 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 Conducted Output Power Measurement

3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

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

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

<CDD Modes>

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

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

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

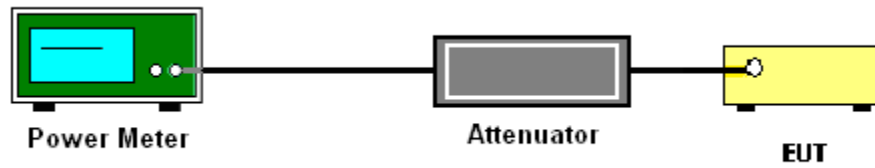
<TXBF Modes>

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

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

For the band 5.725–5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

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

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

Section F) Maximum power spectral density.

<CDD Modes>

Method SA-2

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

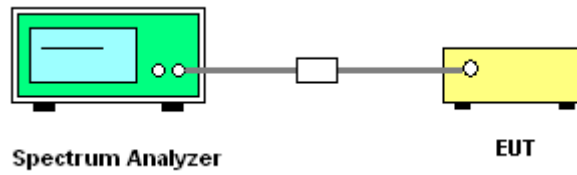
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300kHz.
- Set VBW ≥ 1 MHz.
- Add $10 \log(500 \text{ kHz/RBW})$ to the measured result, whereas RBW ($<500 \text{ kHz}$) is the reduced resolution bandwidth of the spectrum analyzer set during measurement
- Number of points in sweep $\geq 2 \text{ Span} / \text{RBW}$.
- 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 $10 \log(1/0.25) = 6 \text{ dB}$ 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 (c): Measure and add $10 \log(N_{\text{ANT}})$ dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity $10 \log(N_{\text{ANT}})$ dB is added to each spectrum value before comparing to the emission limit. The addition of $10 \log(N_{\text{ANT}})$ dB serves to apportion the emission limit among the N_{ANT} outputs so that each output is permitted to contribute no more than $1/N_{\text{ANT}}^{\text{th}}$ of the PSD limit.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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

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

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

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

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

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

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

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

3.4.2 Measuring Instruments

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

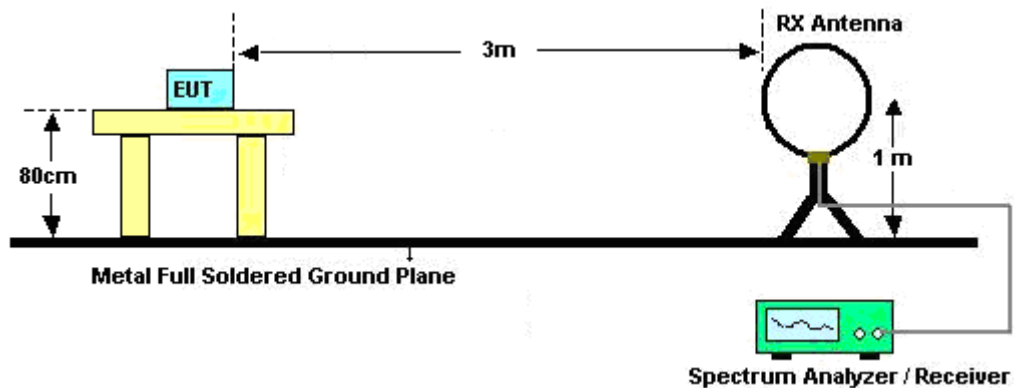
3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW $\geq$ 3 MHz
 - Detector = Peak
 - Sweep time = auto
 - Trace mode = max hold
 - (3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
 - RBW = 1 MHz
 - VBW = 10 Hz, when duty cycle is no less than 98 percent.
 - VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.

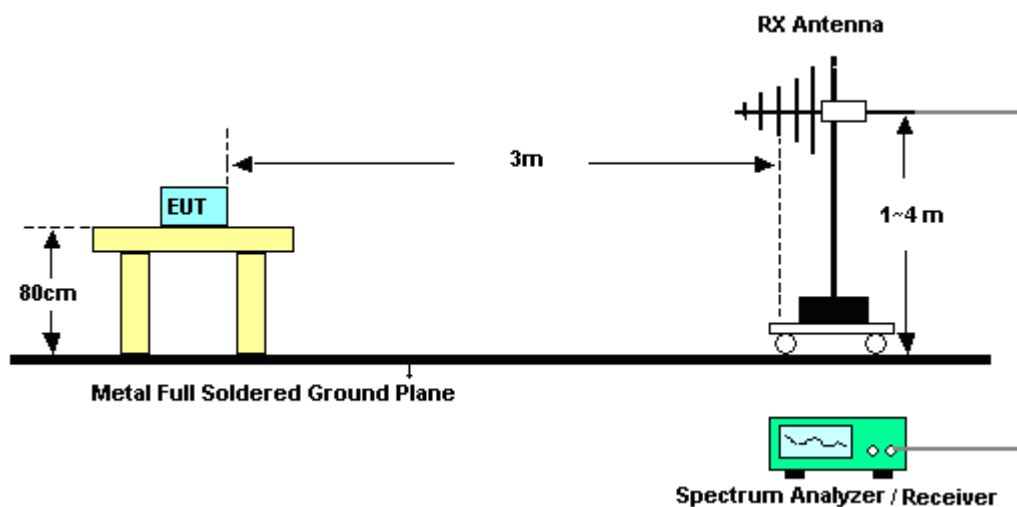
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit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

3.4.4 Test Setup

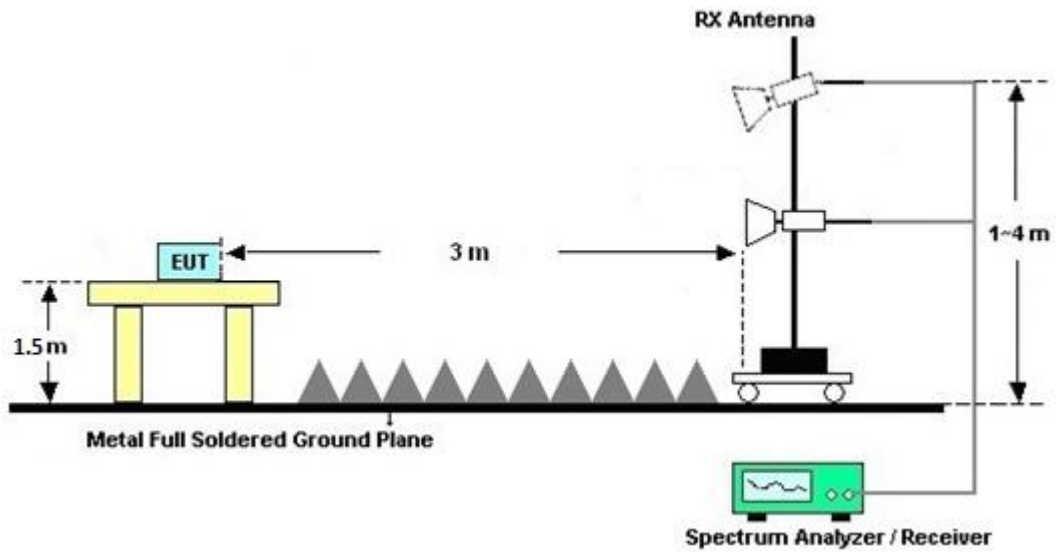
For radiated emissions below 30MHz



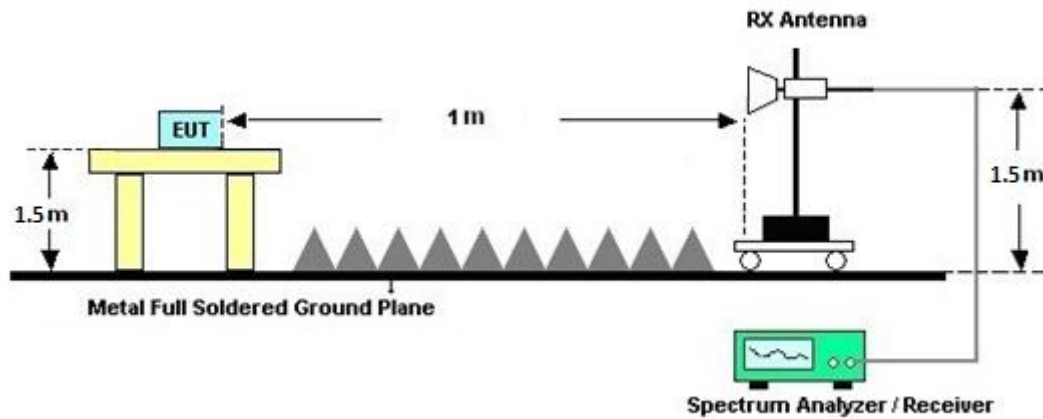
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

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

*Decreases with the logarithm of the frequency.

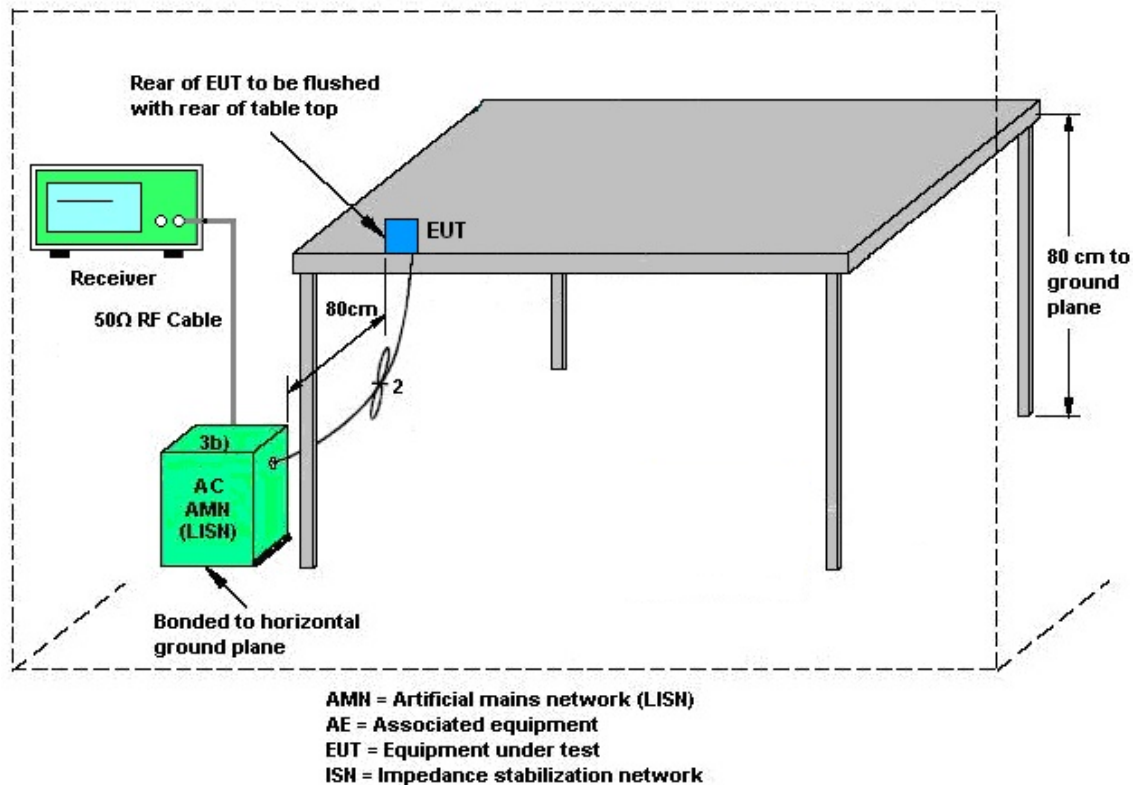
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup



3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



3.6 Antenna Requirements

3.6.1 Standard Applicable

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

Professional installation.



4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	TECEP	DTM-303A	TP201996	N/A	Nov. 01, 2024	Nov. 22, 2024~ Feb. 24, 2025	Oct. 30, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	17100015SNO 36 (NO:35_ 144)	10MHz~6GHz	Aug. 20, 2024	Nov. 22, 2024~ Feb. 24, 2025	Aug. 19, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Nov. 22, 2024~ Feb. 24, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Nov. 22, 2024~ Feb. 24, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_v ersion_240513	N/A	Conducted Other Test Item	N/A	Nov. 22, 2024~ Feb. 24, 2025	N/A	Conducted (TH05-HY)
AC Power Source	ACPOWER	AFC-11003G	F317040033	N/A	N/A	Dec. 25, 2024	N/A	Conduction (CO07-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Dec. 25, 2024	N/A	Conduction (CO07-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	9561-F N00373	9kHz~200MHz	Oct. 23, 2024	Dec. 25, 2024	Oct. 22, 2025	Conduction (CO07-HY)
RF Cable	HUBER + SUHNER	RG 214/U	1358175	9kHz~30MHz	Mar. 14, 2024	Dec. 25, 2024	Mar. 13, 2025	Conduction (CO07-HY)
Two-Line V-Network	TESEQ	NNB 51	45051	N/A	Mar. 10, 2024	Dec. 25, 2024	Mar. 09, 2025	Conduction (CO07-HY)
Four-Line V-Network	TESEQ	NNB 52	36122	N/A	Mar. 07, 2024	Dec. 25, 2024	Mar. 06, 2025	Conduction (CO07-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102317	9kHz~3.6GHz	Sep. 23, 2024	Dec. 25, 2024	Sep. 22, 2025	Conduction (CO07-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY54130085	N/A	Oct. 16, 2024	Dec. 18, 2024~ Jan. 27, 2025	Oct. 15, 2025	Radiation (03CH20-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Dec. 18, 2024~ Jan. 27, 2025	Aug. 28, 2025	Radiation (03CH20-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Dec. 18, 2024~ Jan. 27, 2025	May 26, 2025	Radiation (03CH20-HY)
Controller	ChainTek	3000-1	N/A	Control Turn table & Ant Mast	N/A	Dec. 18, 2024~ Jan. 27, 2025	N/A	Radiation (03CH20-HY)
Antenna Mast	ChainTek	MBS-520-1	N/A	1m~4m	N/A	Dec. 18, 2024~ Jan. 27, 2025	N/A	Radiation (03CH20-HY)
Turn Table	ChainTek	T-200-S-1	N/A	0~360 Degree	N/A	Dec. 18, 2024~ Jan. 27, 2025	N/A	Radiation (03CH20-HY)
Signal Analyzer	Keysight	N9010B	MY60240520	N/A	Dec. 09, 2024	Dec. 18, 2024~ Jan. 27, 2025	Dec. 08, 2025	Radiation (03CH20-HY)
Bilog Antenna	TESEQ	CBL 6111D&00802N 1D01N-06	55606 & 08	30MHz~1GHz	Nov. 27, 2024	Dec. 18, 2024~ Jan. 27, 2025	Nov. 26, 2025	Radiation (03CH20-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	02360	1GHz~18GHz	Nov. 01, 2024	Dec. 18, 2024~ Jan. 27, 2025	Oct. 31, 2025	Radiation (03CH20-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1224	18GHz~40GHz	Jun. 24, 2024	Dec. 18, 2024~ Jan. 27, 2025	Jun. 23, 2025	Radiation (03CH20-HY)
Preamplifier	COM-POWER	PAM-103	18020201	1MHz~1000MHz	Dec. 31, 2024	Dec. 18, 2024~ Jan. 27, 2025	Dec. 30, 2025	Radiation (03CH20-HY)
Amplifier	EMCI	EMC118A45SE	980792	N/A	Nov. 12, 2024	Dec. 18, 2024~ Jan. 27, 2025	Nov. 11, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 17, 2024	Dec. 15, 2024~ Jan. 15, 2025	Jan. 16, 2025	Radiation (03CH20-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519229/2,804 015/2,804027 /2	N/A	Jan. 16, 2025	Jan. 16, 2025~ Jan. 27, 2025	Jan. 15, 2026	Radiation (03CH20-HY)
Hygrometer	TECEP	DTM-303A	TP211382	N/A	Mar. 27, 2024	Dec 18, 2024~ Jan. 27, 2025	Mar. 26, 2025	Radiation (03CH20-HY)
Software	Audix	N/A	RK-002156	N/A	N/A	Dec 18, 2024~ Jan. 27, 2025	N/A	Radiation (03CH20-HY)

5 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.7 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.7 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.4 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.6 dB
--	--------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.7 dB
--	--------

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2024/11/25 ~ 2025/02/24	Relative Humidity:	51~54	%

<CDD Mode>

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

U-NII-3 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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
11a	6Mbps	2	149	5745	38.58	39.07	64.59	66.81	16.33	16.34	0.5	Pass
11a	6Mbps	2	157	5785	38.72	38.96	65.00	67.87	16.36	16.37	0.5	Pass
11a	6Mbps	2	165	5825	33.47	35.39	44.85	52.53	16.27	16.35	0.5	Pass
VHT20	MCS0	2	149	5745	40.32	40.53	72.82	73.99	17.57	17.59	0.5	Pass
VHT20	MCS0	2	157	5785	40.08	40.76	71.22	69.26	17.57	17.58	0.5	Pass
VHT20	MCS0	2	165	5825	31.60	35.47	50.53	53.79	17.52	17.58	0.5	Pass
VHT40	MCS0	2	151	5755	50.39	50.56	93.82	86.34	35.07	35.10	0.5	Pass
VHT40	MCS0	2	159	5795	40.78	38.61	87.26	87.22	35.12	35.11	0.5	Pass
VHT80	MCS0	2	155	5775	75.63	75.47	130.59	124.51	75.12	75.12	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	26.18	25.99	29.10	30.00		1.58		Pass
11a	6Mbps	2	157	5785	25.91	25.50	28.72	30.00		1.58		Pass
11a	6Mbps	2	165	5825	25.21	25.43	28.33	30.00		1.58		Pass
HT20	MCS0	2	149	5745	25.69	25.17	28.45	30.00		1.58		Pass
HT20	MCS0	2	157	5785	25.53	25.27	28.41	30.00		1.58		Pass
HT20	MCS0	2	165	5825	24.60	24.78	27.70	30.00		1.58		Pass
HT40	MCS0	2	151	5755	24.47	23.93	27.22	30.00		1.58		Pass
HT40	MCS0	2	159	5795	22.37	21.91	25.16	30.00		1.58		Pass
VHT20	MCS0	2	149	5745	26.40	26.28	29.35	30.00		1.58		Pass
VHT20	MCS0	2	157	5785	25.84	25.43	28.65	30.00		1.58		Pass
VHT20	MCS0	2	165	5825	24.76	25.14	27.96	30.00		1.58		Pass
VHT40	MCS0	2	151	5755	24.49	24.06	27.29	30.00		1.58		Pass
VHT40	MCS0	2	159	5795	22.47	22.01	25.26	30.00		1.58		Pass
VHT80	MCS0	2	155	5775	20.91	20.89	23.91	30.00		1.58		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	149	5745	0.17	0.17	11.69	11.14	14.70	30.00		4.59		Pass
11a	6Mbps	2	157	5785	0.17	0.17	11.23	11.02	14.24	30.00		4.59		Pass
11a	6Mbps	2	165	5825	0.17	0.17	10.46	11.03	14.04	30.00		4.59		Pass
VHT20	MCS0	2	149	5745	0.18	0.18	11.11	10.95	14.12	30.00		4.59		Pass
VHT20	MCS0	2	157	5785	0.18	0.18	10.95	10.82	13.96	30.00		4.59		Pass
VHT20	MCS0	2	165	5825	0.18	0.18	9.24	10.58	13.59	30.00		4.59		Pass
VHT40	MCS0	2	151	5755	0.36	0.36	6.82	6.40	9.83	30.00		4.59		Pass
VHT40	MCS0	2	159	5795	0.36	0.36	5.72	5.20	8.73	30.00		4.59		Pass
VHT80	MCS0	2	155	5775	0.21	0.21	0.83	0.10	3.84	30.00		4.59		Pass

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

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

U-NII-3 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 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2		
HE20	MCS0	2	149	5745	Full	35.24	34.55	53.82	52.45	17.97	17.52	0.5	Pass
HE20	MCS0	2	157	5785	Full	31.81	31.76	52.31	50.18	18.44	18.04	0.5	Pass
HE20	MCS0	2	165	5825	Full	27.47	31.26	49.54	50.77	18.69	18.19	0.5	Pass
HE40	MCS0	2	151	5755	Full	45.94	45.18	80.59	73.26	35.09	35.57	0.5	Pass
HE40	MCS0	2	159	5795	Full	43.65	43.48	81.06	77.04	35.11	35.10	0.5	Pass
HE80	MCS0	2	155	5775	Full	76.98	77.04	80.35	80.38	75.50	75.12	0.5	Pass

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	25.85	25.30	28.59	30.00		1.58		Pass
HE20	MCS0	2	157	5785	Full	25.28	24.61	27.97	30.00		1.58		Pass
HE20	MCS0	2	165	5825	Full	24.86	25.14	28.01	30.00		1.58		Pass
HE40	MCS0	2	151	5755	Full	24.03	23.50	26.78	30.00		1.58		Pass
HE40	MCS0	2	159	5795	Full	23.20	22.52	25.88	30.00		1.58		Pass
HE80	MCS0	2	155	5775	Full	18.82	18.30	21.58	30.00		1.58		Pass

TEST RESULTS DATA
Power Spectral Density

U-NII-3 MIMO															
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	RU Config	Duty Factor (dB)		Average Power Density with Duty Factor (dBm/500kHz)			Average PSD Limit (dBm/500kHz)		DG (dBi)		Pass /Fail
						Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	0.12	0.12	10.12	9.87	13.13	30.00		4.59		Pass
HE20	MCS0	2	157	5785	Full	0.12	0.12	9.44	9.22	12.45	30.00		4.59		Pass
HE20	MCS0	2	165	5825	Full	0.12	0.12	9.14	9.24	12.25	30.00		4.59		Pass
HE40	MCS0	2	151	5755	Full	0.25	0.24	6.19	5.51	9.20	30.00		4.59		Pass
HE40	MCS0	2	159	5795	Full	0.25	0.24	5.77	5.28	8.78	30.00		4.59		Pass
HE80	MCS0	2	155	5775	Full	0.25	0.25	-1.17	-1.60	1.84	30.00		4.59		Pass

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

<TXBF Mode>

TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HT20	MCS0	2	149	5745	25.59	25.07	28.35	30.00		4.59		Pass
HT20	MCS0	2	157	5785	25.43	25.17	28.31	30.00		4.59		Pass
HT20	MCS0	2	165	5825	24.50	24.68	27.60	30.00		4.59		Pass
HT40	MCS0	2	151	5755	24.37	23.83	27.12	30.00		4.59		Pass
HT40	MCS0	2	159	5795	22.27	21.81	25.06	30.00		4.59		Pass
VHT20	MCS0	2	149	5745	26.30	26.18	29.25	30.00		4.59		Pass
VHT20	MCS0	2	157	5785	25.74	25.33	28.55	30.00		4.59		Pass
VHT20	MCS0	2	165	5825	24.66	25.04	27.86	30.00		4.59		Pass
VHT40	MCS0	2	151	5755	24.39	23.96	27.19	30.00		4.59		Pass
VHT40	MCS0	2	159	5795	22.37	21.91	25.16	30.00		4.59		Pass
VHT80	MCS0	2	155	5775	20.81	20.79	23.81	30.00		4.59		Pass

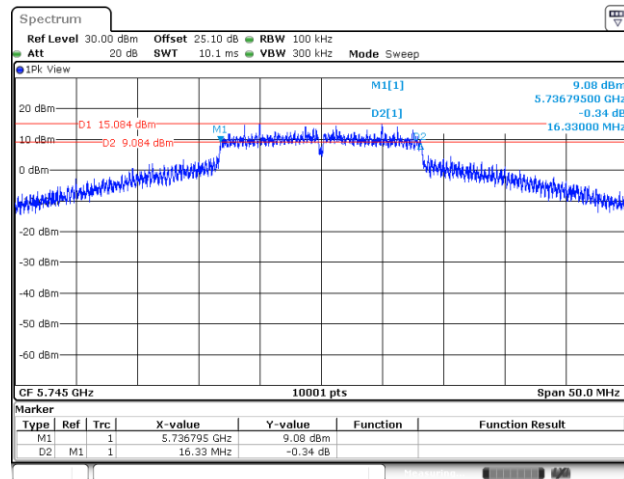
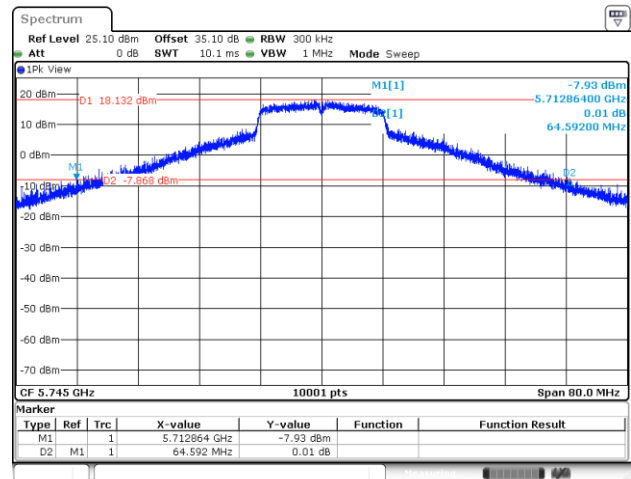
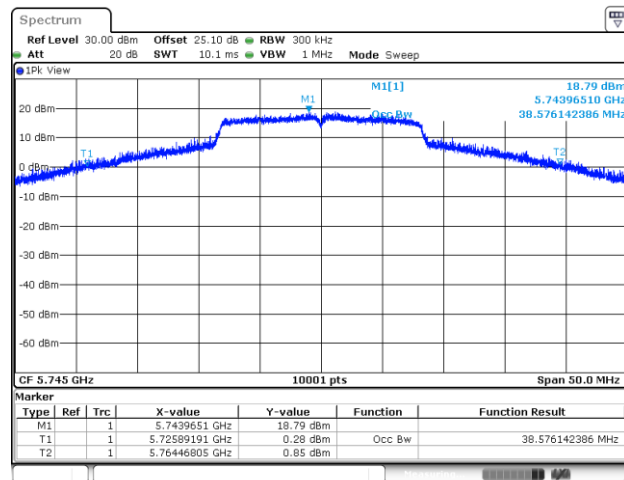
TEST RESULTS DATA
Average Power Table

U-NII-3 MIMO													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	RU Config	Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
						Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
HE20	MCS0	2	149	5745	Full	25.75	25.20	28.49	30.00		4.59		Pass
HE20	MCS0	2	157	5785	Full	25.18	24.51	27.87	30.00		4.59		Pass
HE20	MCS0	2	165	5825	Full	24.76	25.04	27.91	30.00		4.59		Pass
HE40	MCS0	2	151	5755	Full	23.93	23.40	26.68	30.00		4.59		Pass
HE40	MCS0	2	159	5795	Full	23.10	22.42	25.78	30.00		4.59		Pass
HE80	MCS0	2	155	5775	Full	18.72	18.20	21.48	30.00		4.59		Pass

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

MIMO <Ant. 1+2>

<802.11a>

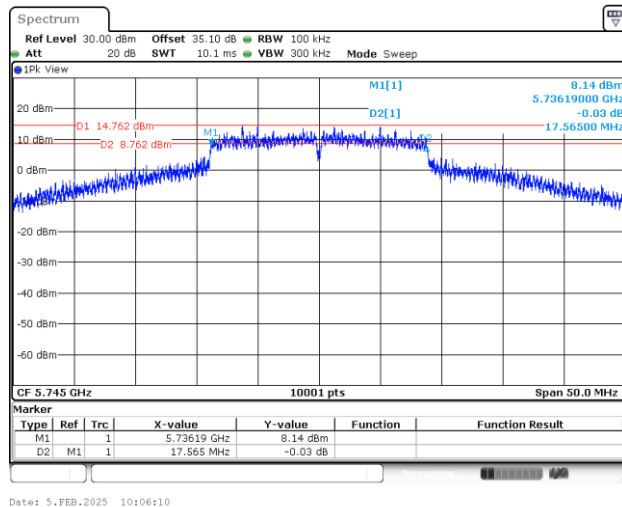
6dB Bandwidth**26dB Bandwidth****99% Occupied Bandwidth**

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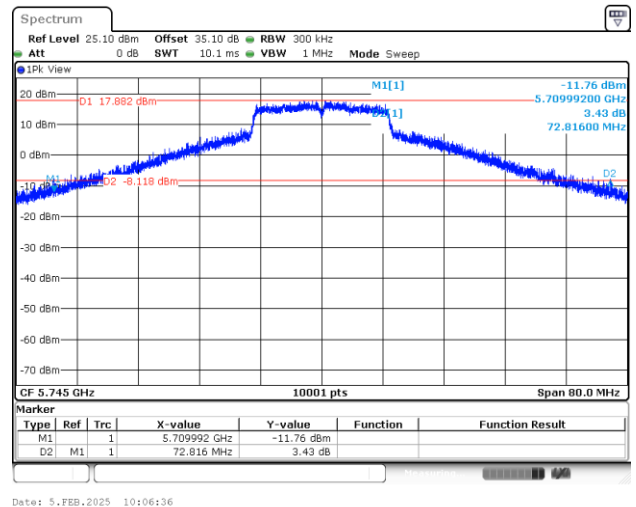


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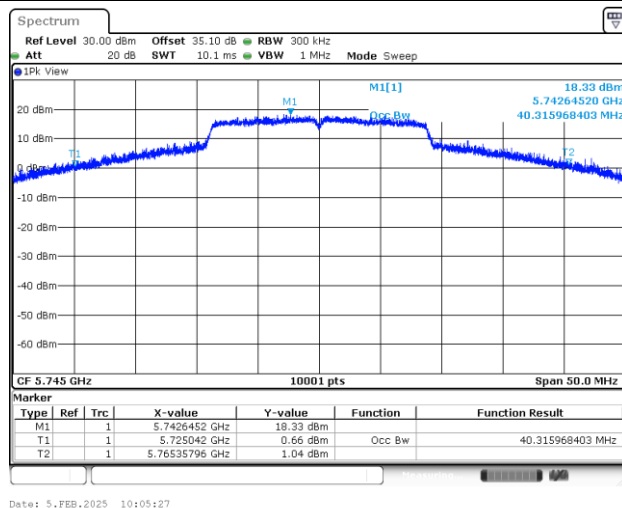
6dB Bandwidth



26dB Bandwidth



99% Occupied Bandwidth

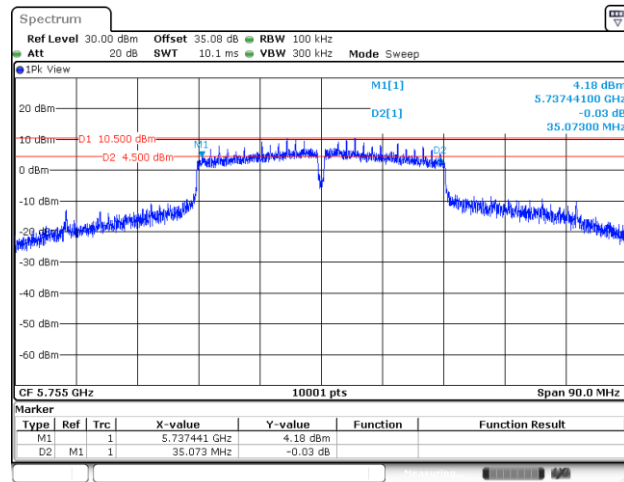


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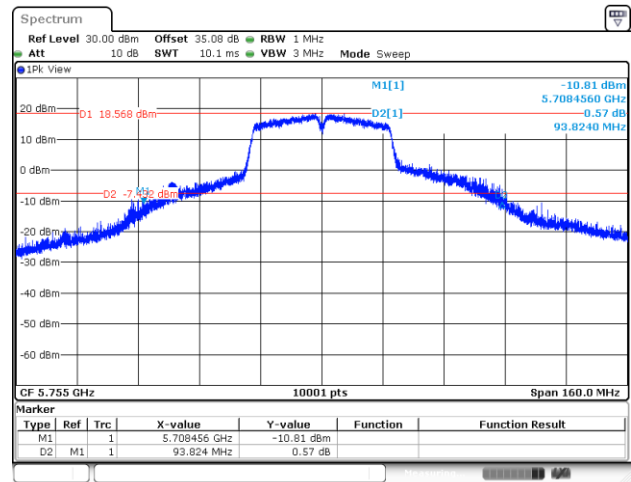


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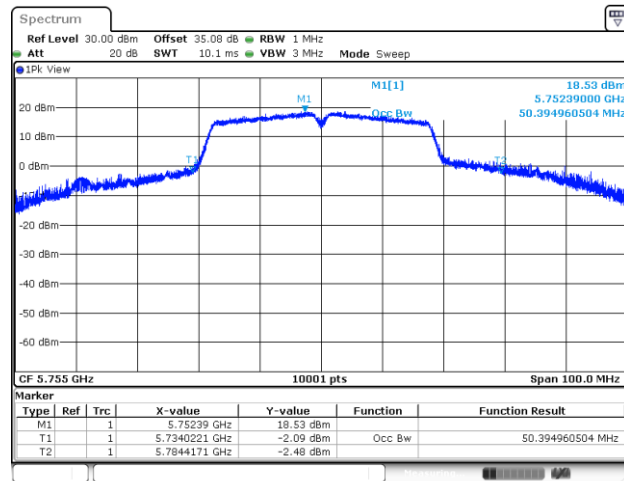
6dB Bandwidth



26dB Bandwidth



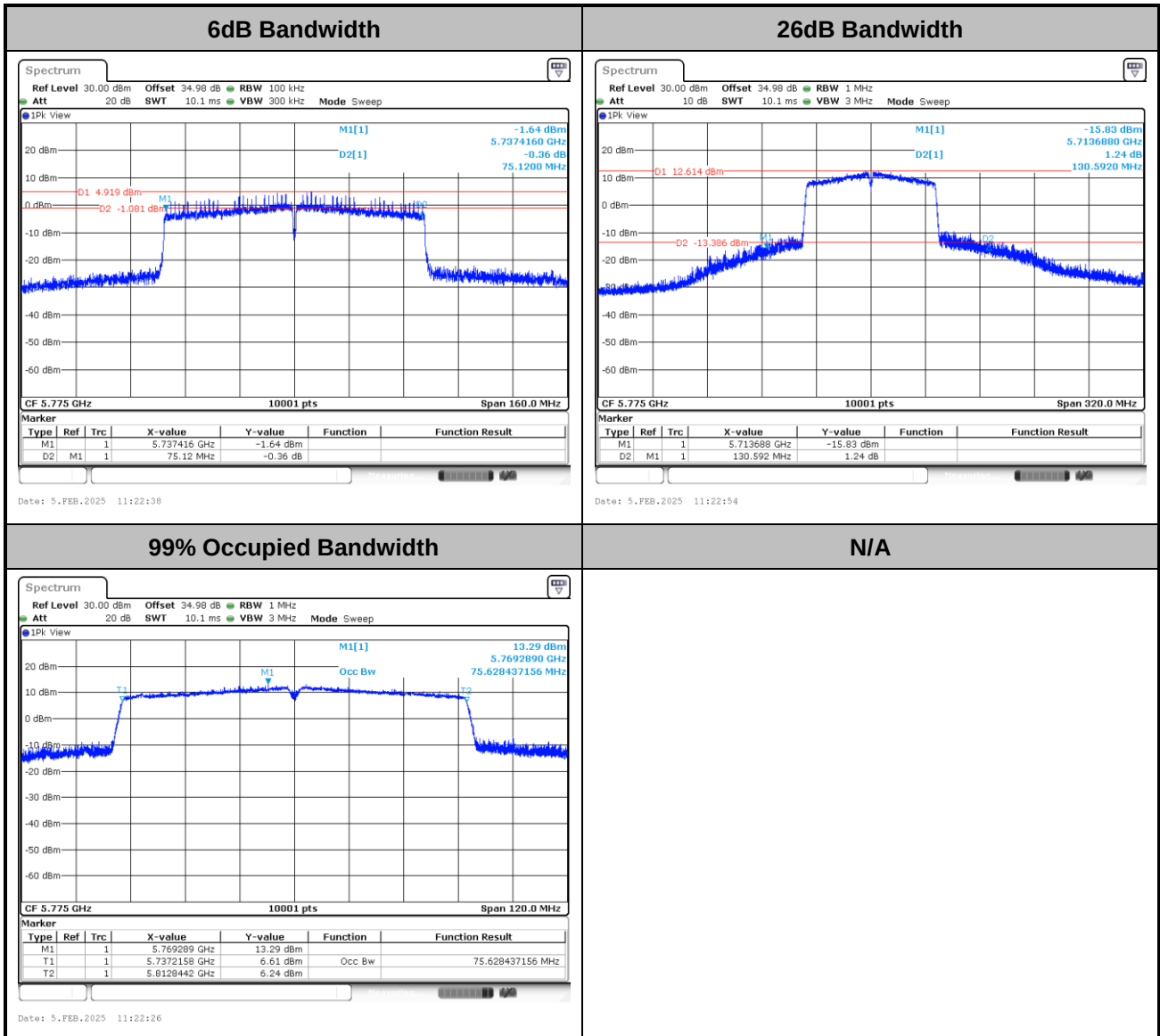
99% Occupied Bandwidth



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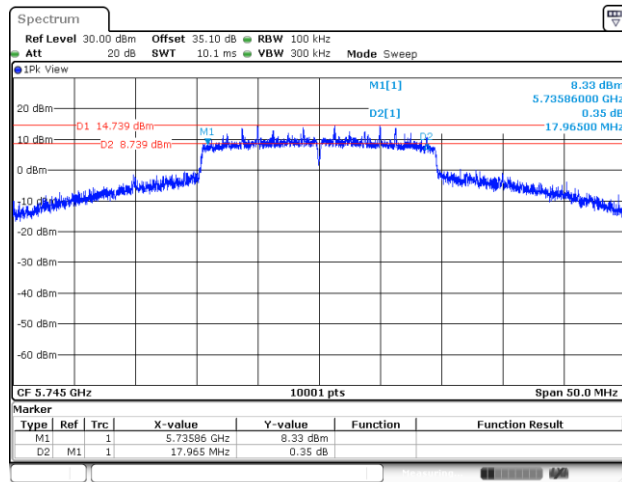
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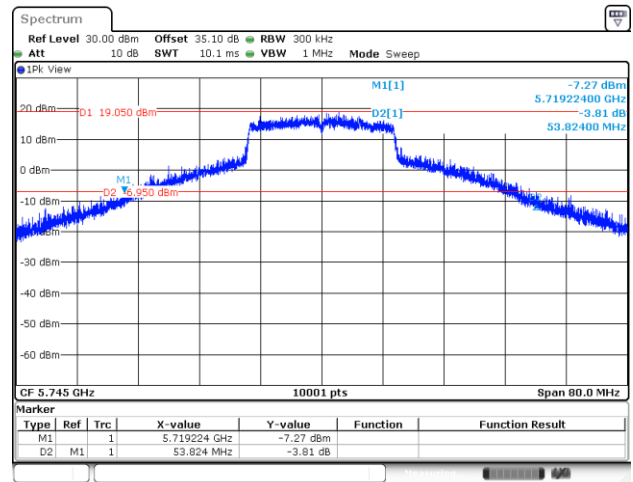


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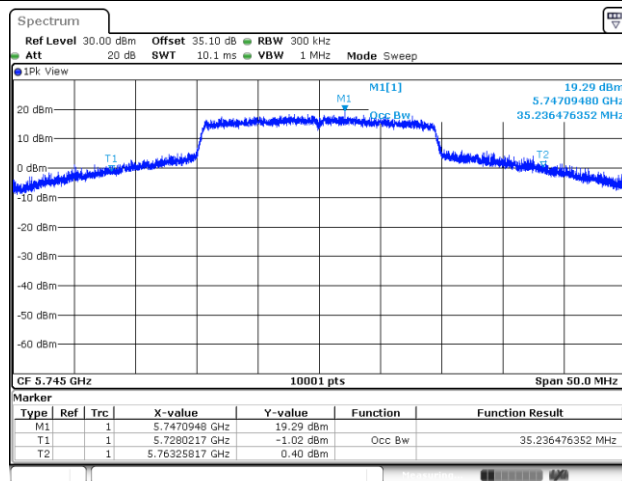
6dB Bandwidth



26dB Bandwidth



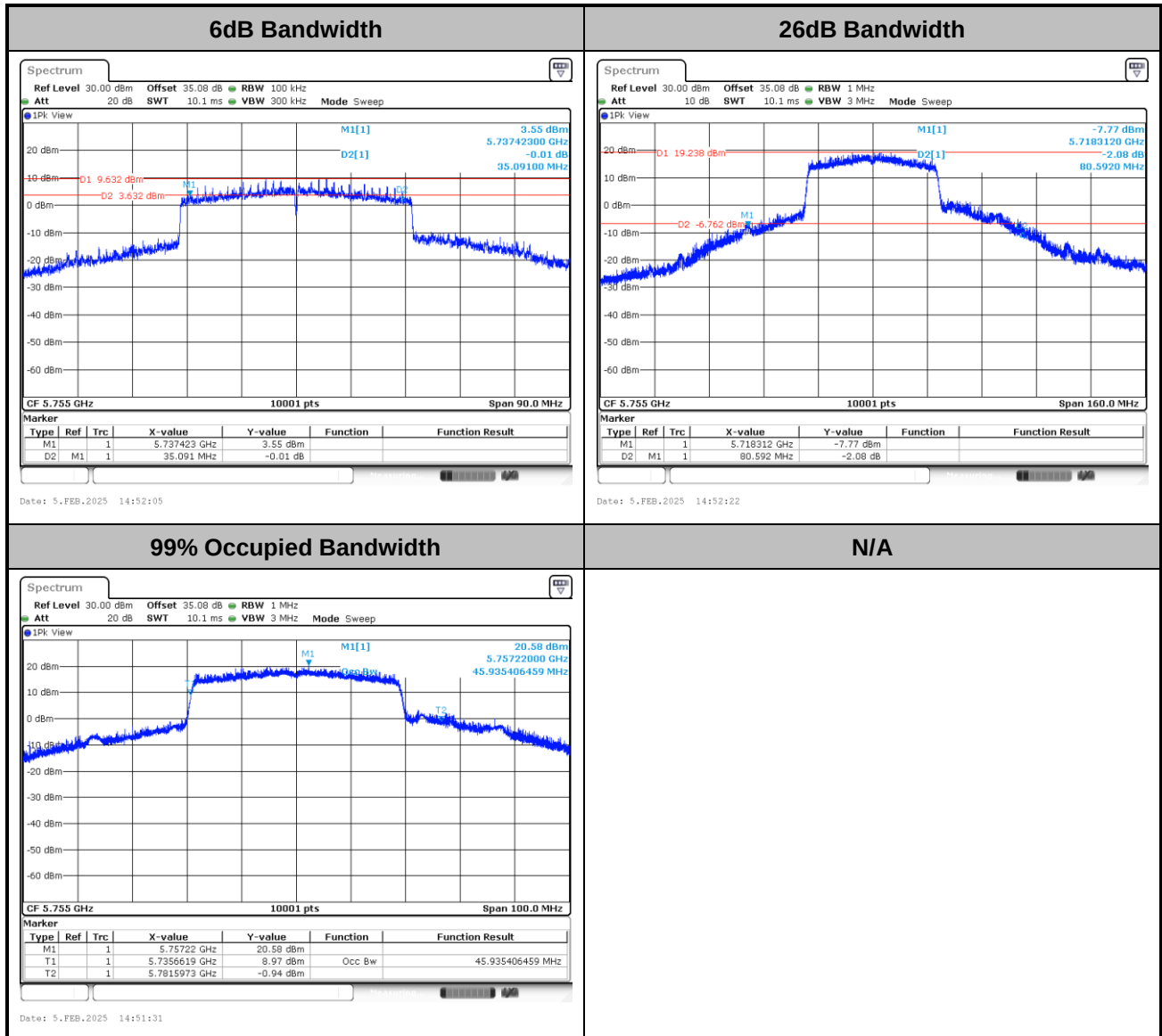
99% Occupied Bandwidth



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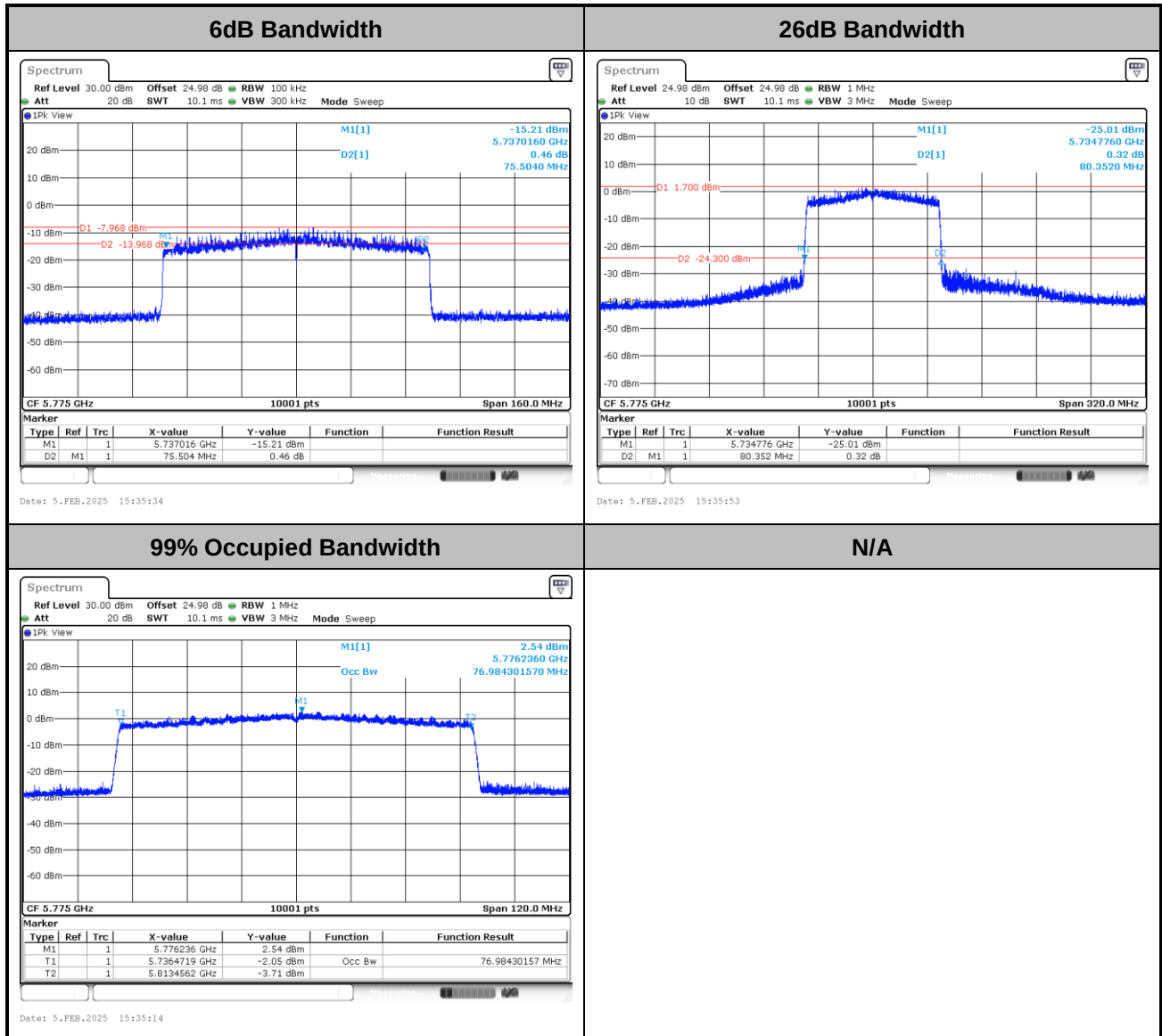


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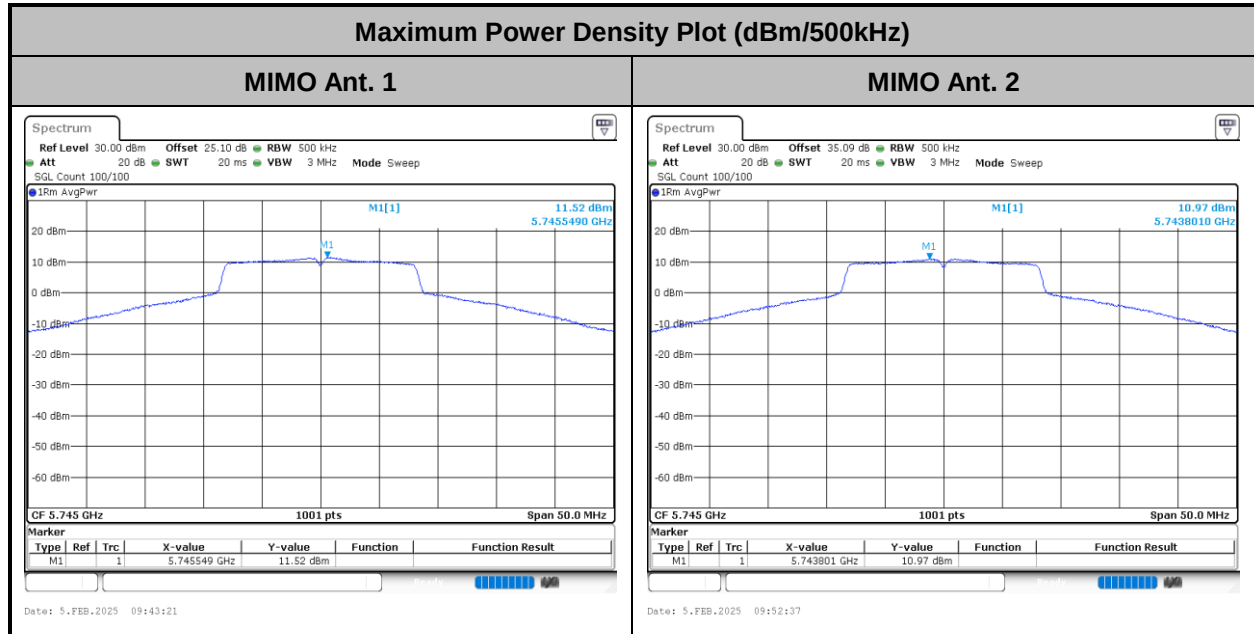
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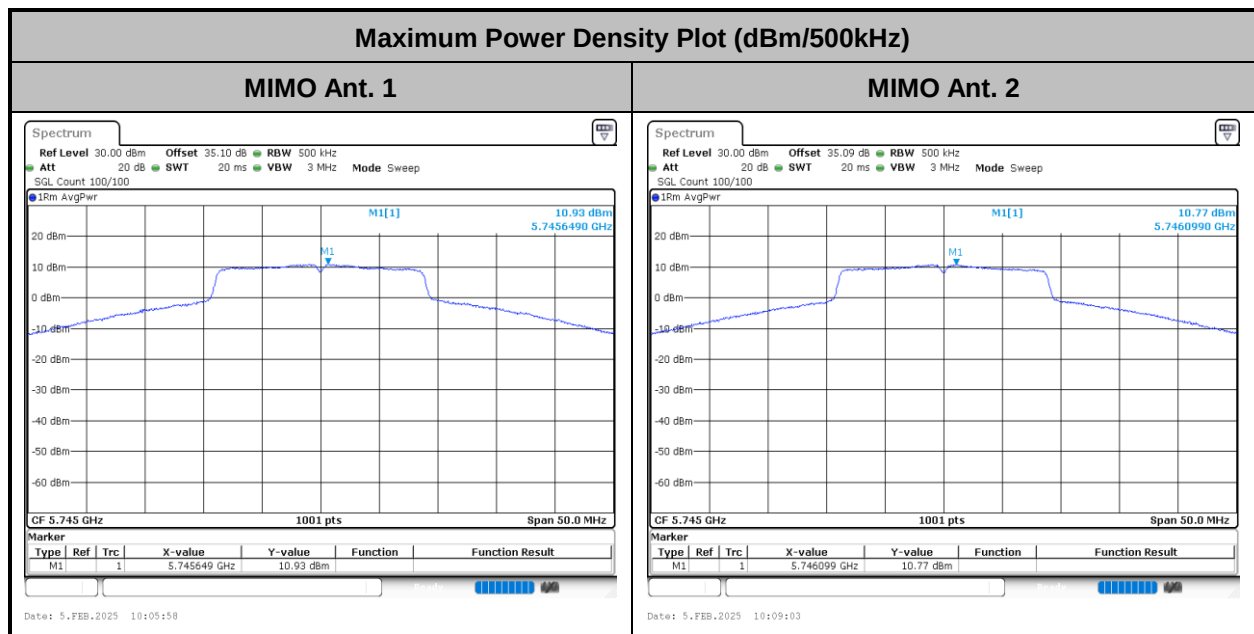


Test Result of Power Spectral Density

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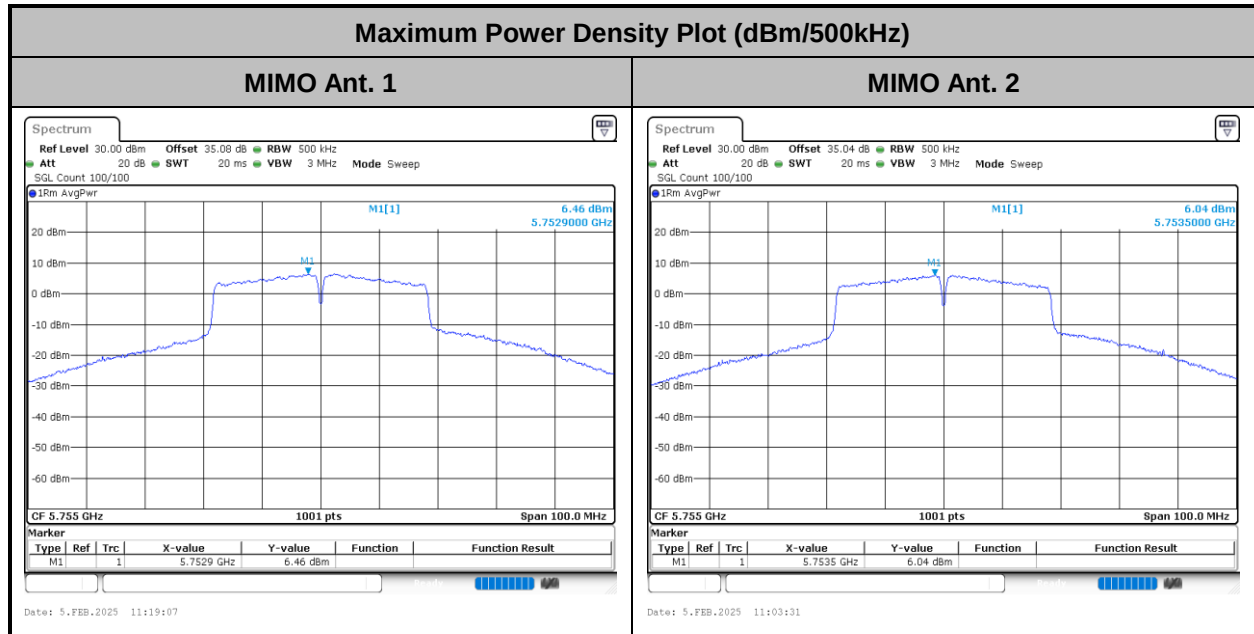


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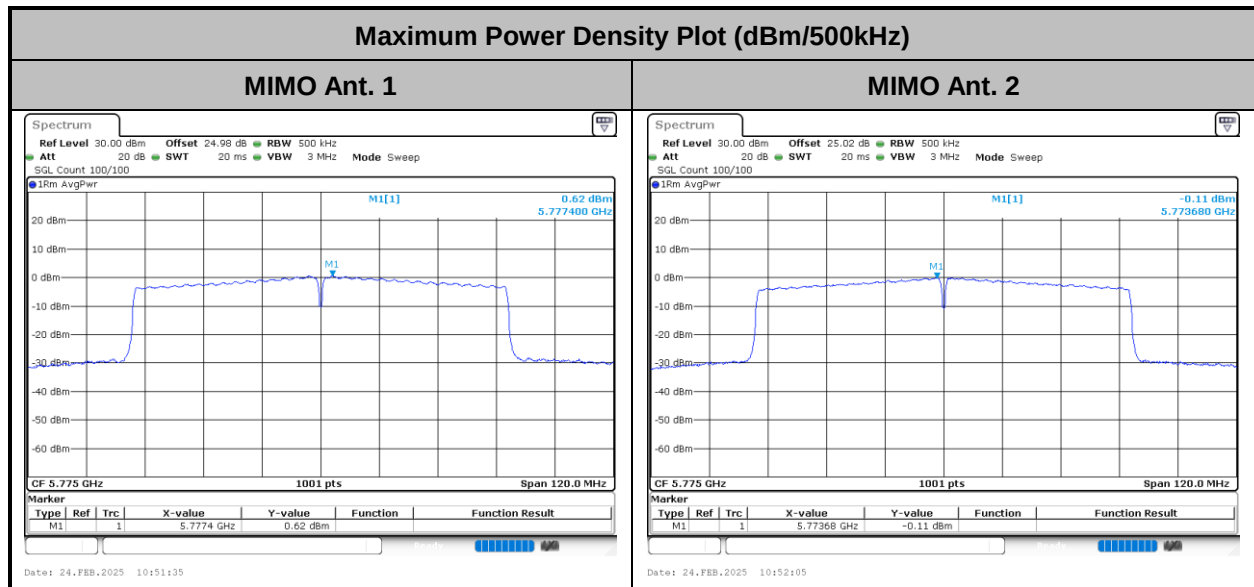




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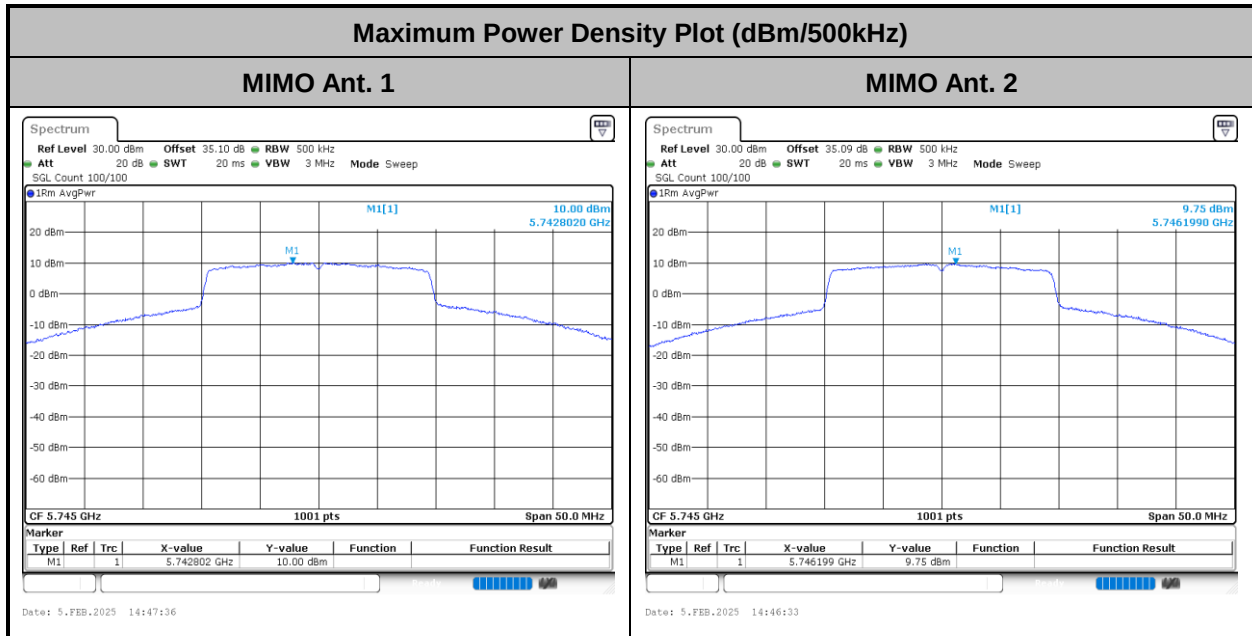


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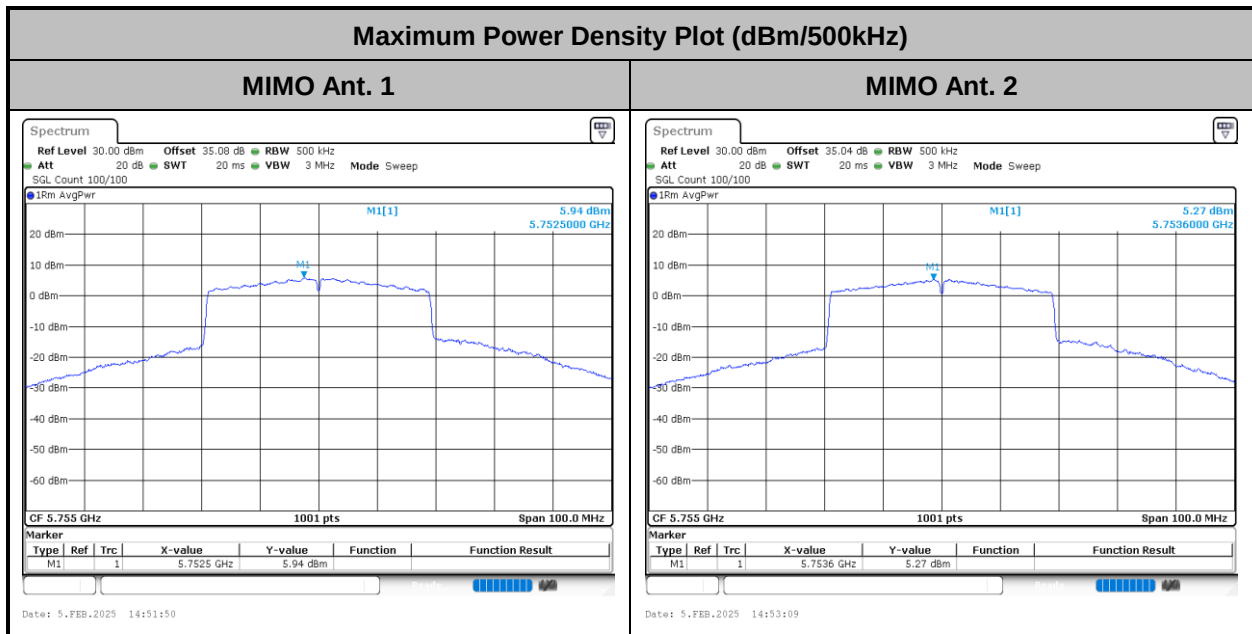




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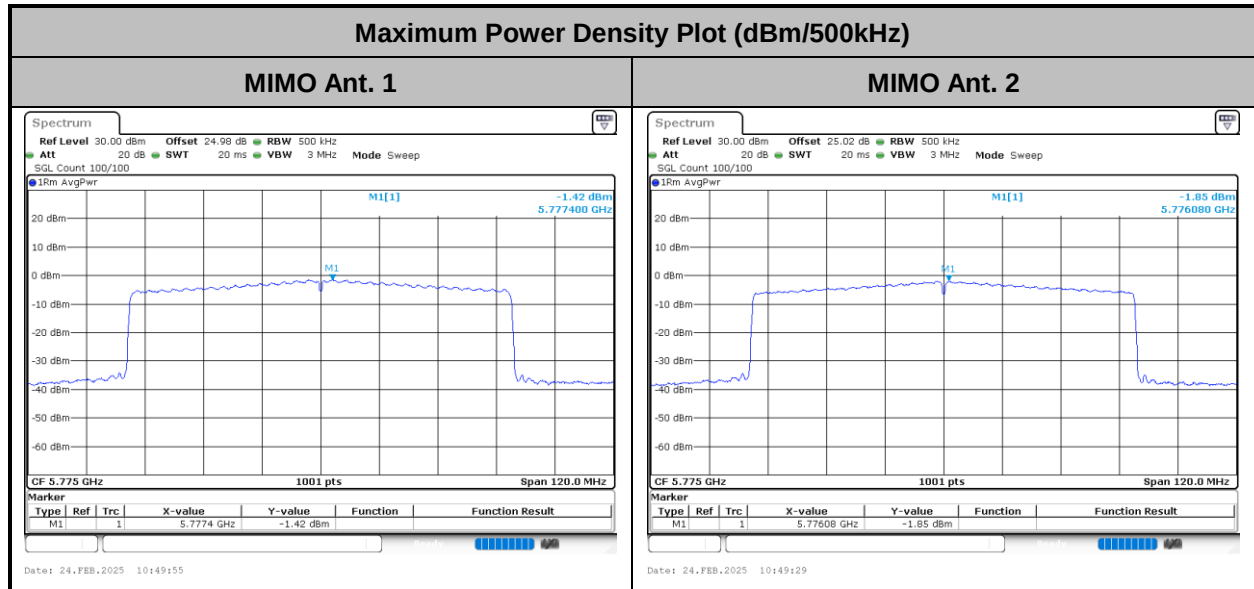


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Appendix B. AC Conducted Emission Test Results

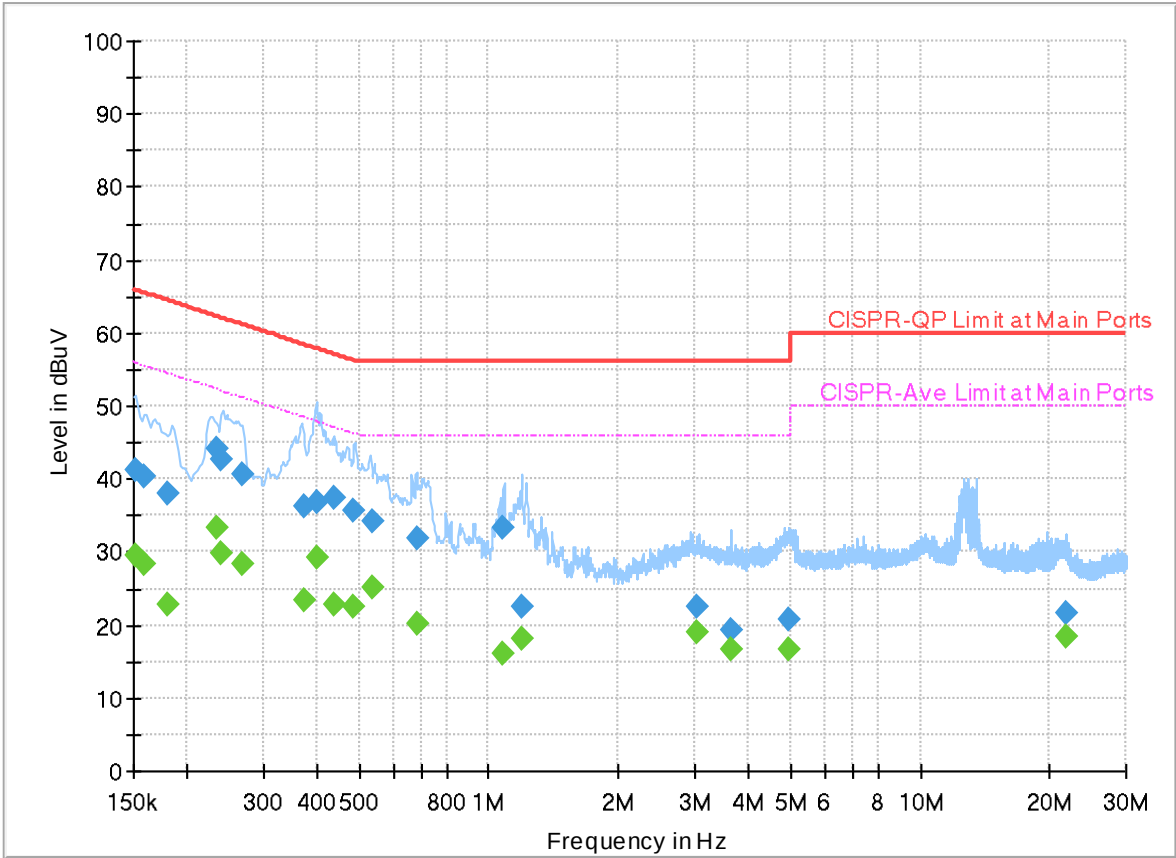
Test Engineer :	Louis Chung	Temperature :	20.2~23.4°C
		Relative Humidity :	42.7~49.1%

EUT Information

Report NO :
Test Mode :
Test Voltage :
Phase :

4N1307
Mode 1
120Vac/60Hz
Line

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.152093	---	29.50	55.89	26.39	L1	FLO	19.9
0.152093	41.20	---	65.89	24.69	L1	FLO	19.9
0.158280	---	28.26	55.55	27.29	L1	FLO	19.9
0.158280	40.21	---	65.55	25.34	L1	FLO	19.9
0.179250	---	22.87	54.52	31.65	L1	FLO	19.9
0.179250	37.93	---	64.52	26.59	L1	FLO	19.9
0.233250	---	33.19	52.33	19.14	L1	FLO	19.9
0.233250	44.04	---	62.33	18.29	L1	FLO	19.9
0.240540	---	29.91	52.08	22.17	L1	FLO	19.9
0.240540	42.61	---	62.08	19.47	L1	FLO	19.9
0.267450	---	28.34	51.20	22.86	L1	FLO	19.9
0.267450	40.52	---	61.20	20.68	L1	FLO	19.9
0.371760	---	23.38	48.46	25.08	L1	FLO	19.9
0.371760	36.39	---	58.46	22.07	L1	FLO	19.9
0.400380	---	29.36	47.85	18.49	L1	FLO	19.9
0.400380	36.87	---	57.85	20.98	L1	FLO	19.9
0.440250	---	22.89	47.06	24.17	L1	FLO	19.9
0.440250	37.41	---	57.06	19.65	L1	FLO	19.9
0.485250	---	22.50	46.25	23.75	L1	FLO	19.9

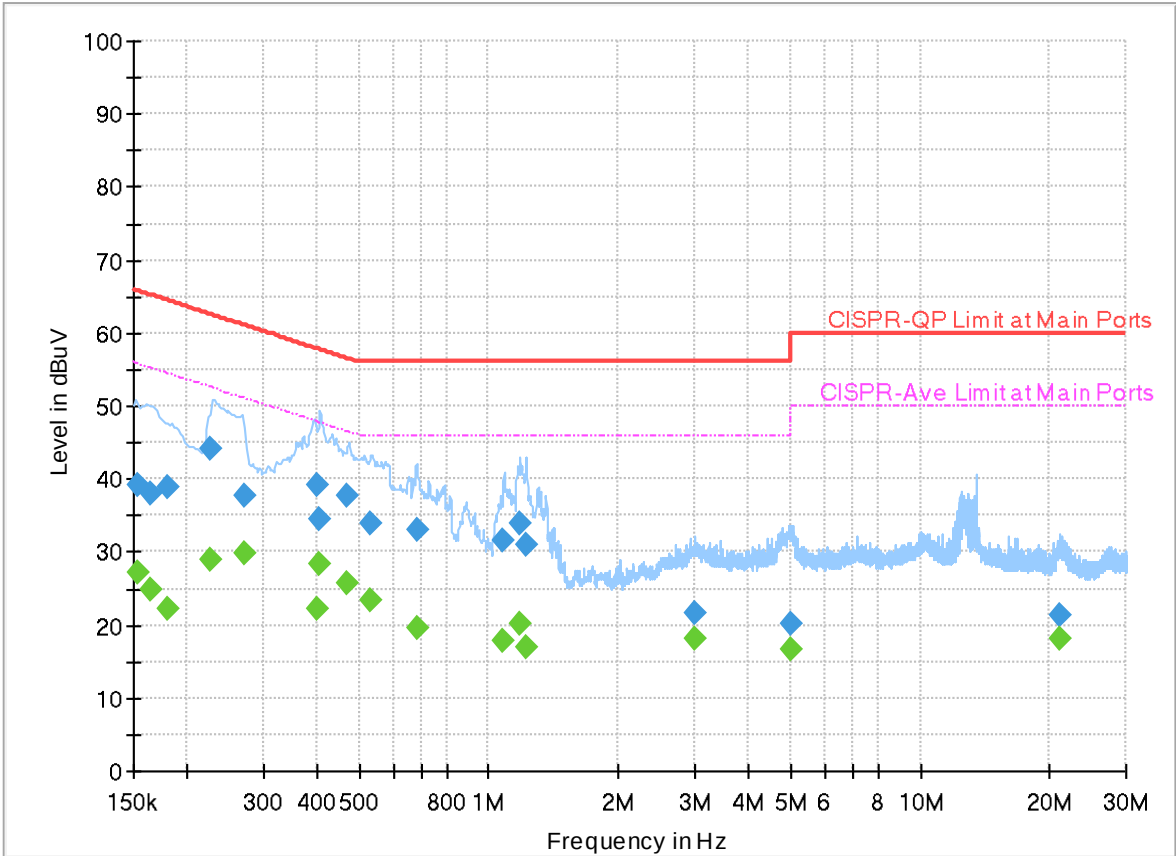
0.485250	35.77	---	56.25	20.48	L1	FLO	19.9
0.534750	---	25.24	46.00	20.76	L1	FLO	19.9
0.534750	34.32	---	56.00	21.68	L1	FLO	19.9
0.680460	---	20.03	46.00	25.97	L1	FLO	19.9
0.680460	31.99	---	56.00	24.01	L1	FLO	19.9
1.081140	---	16.03	46.00	29.97	L1	FLO	19.9
1.081140	33.47	---	56.00	22.53	L1	FLO	19.9
1.194180	---	18.07	46.00	27.93	L1	FLO	19.9
1.194180	22.46	---	56.00	33.54	L1	FLO	19.9
3.041970	---	18.99	46.00	27.01	L1	FLO	20.0
3.041970	22.40	---	56.00	33.60	L1	FLO	20.0
3.641910	---	16.64	46.00	29.36	L1	FLO	20.0
3.641910	19.41	---	56.00	36.59	L1	FLO	20.0
4.956000	---	16.69	46.00	29.31	L1	FLO	20.0
4.956000	20.68	---	56.00	35.32	L1	FLO	20.0
21.705000	---	18.31	50.00	31.69	L1	FLO	20.2
21.705000	21.58	---	60.00	38.42	L1	FLO	20.2

EUT Information

Report NO :
Test Mode :
Test Voltage :
Phase :

4N1307
Mode 1
120Vac/60Hz
Neutral

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	PE	Corr. (dB)
0.152700	---	27.21	55.85	28.64	N	FLO	20.0
0.152700	39.32	---	65.85	26.53	N	FLO	20.0
0.163500	---	24.93	55.28	30.35	N	FLO	19.9
0.163500	38.00	---	65.28	27.28	N	FLO	19.9
0.179250	---	22.23	54.52	32.29	N	FLO	19.9
0.179250	38.93	---	64.52	25.59	N	FLO	19.9
0.226500	---	28.92	52.58	23.66	N	FLO	19.9
0.226500	44.03	---	62.58	18.55	N	FLO	19.9
0.270600	---	29.71	51.10	21.39	N	FLO	19.9
0.270600	37.83	---	61.10	23.27	N	FLO	19.9
0.399750	---	22.28	47.86	25.58	N	FLO	19.9
0.399750	39.04	---	57.86	18.82	N	FLO	19.9
0.402000	---	28.29	47.81	19.52	N	FLO	19.9
0.402000	34.43	---	57.81	23.38	N	FLO	19.9
0.469500	---	25.60	46.52	20.92	N	FLO	19.9
0.469500	37.73	---	56.52	18.79	N	FLO	19.9
0.530250	---	23.28	46.00	22.72	N	FLO	19.9
0.530250	33.83	---	56.00	22.17	N	FLO	19.9
0.685500	---	19.64	46.00	26.36	N	FLO	19.9

0.685500	33.12	---	56.00	22.88	N	FLO	19.9
1.079250	---	17.88	46.00	28.12	N	FLO	20.0
1.079250	31.70	---	56.00	24.30	N	FLO	20.0
1.184730	---	20.15	46.00	25.85	N	FLO	20.0
1.184730	34.05	---	56.00	21.95	N	FLO	20.0
1.225050	---	16.82	46.00	29.18	N	FLO	20.0
1.225050	30.95	---	56.00	25.05	N	FLO	20.0
3.015690	---	18.06	46.00	27.94	N	FLO	20.0
3.015690	21.56	---	56.00	34.44	N	FLO	20.0
5.024670	---	16.56	50.00	33.44	N	FLO	20.0
5.024670	20.26	---	60.00	39.74	N	FLO	20.0
21.167250	---	18.12	50.00	31.88	N	FLO	20.2
21.167250	21.40	---	60.00	38.60	N	FLO	20.2



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	John Chuang, David Dai, and Sam Chou	Temperature :	19.3~22.3℃
		Relative Humidity :	65.6~70.5%

Note symbol

-L	Low channel location
-R	High channel location

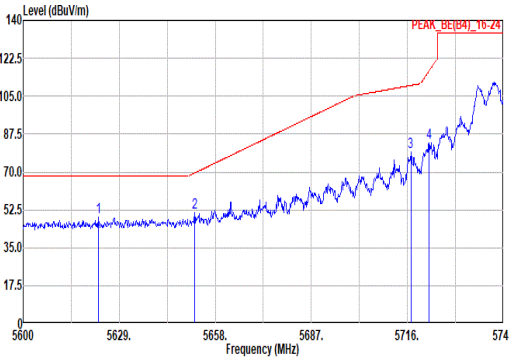
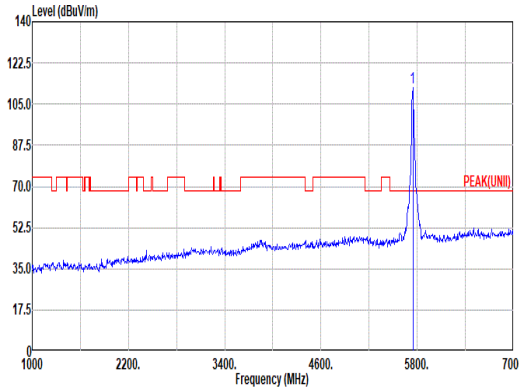
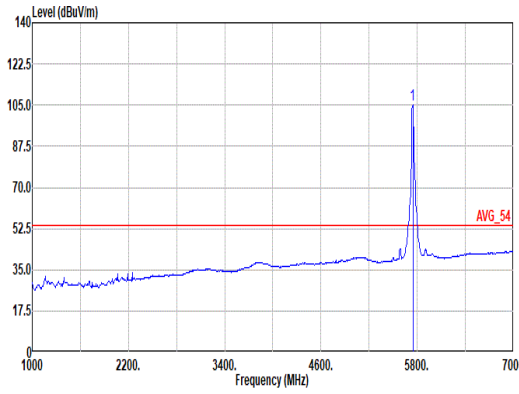
C1. Radiated Spurious Emission Test Modes

Mode	Band	Band (GHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	U-NII-3	5.725-5.85	1+2 (CDD)	802.11a	149	5745	6Mbps	-	-
Mode 2	U-NII-3	5.725-5.85	1+2 (CDD)	802.11a	157	5785	6Mbps	-	-
Mode 3	U-NII-3	5.725-5.85	1+2 (CDD)	802.11a	165	5825	6Mbps	-	-
Mode 4	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT20	149	5745	MCS0	-	-
Mode 5	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT20	157	5785	MCS0	-	-
Mode 6	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT20	165	5825	MCS0	-	-
Mode 7	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	151	5755	MCS0	-	-
Mode 8	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	159	5795	MCS0	-	-
Mode 9	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT80	155	5775	MCS0	-	-
Mode 10	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE20	149	5745	MCS0	Full RU	-
Mode 11	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE20	157	5785	MCS0	Full RU	-
Mode 12	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE20	165	5825	MCS0	Full RU	-
Mode 13	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE40	151	5755	MCS0	Full RU	-
Mode 14	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE40	159	5795	MCS0	Full RU	-
Mode 15	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ax HE80	155	5775	MCS0	Full RU	-
Mode 16	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	159	5795	MCS0	-	SHF
Mode 17	U-NII-3	5.725-5.85	1+2 (CDD)	802.11ac VHT40	159	5795	MCS0	-	LF

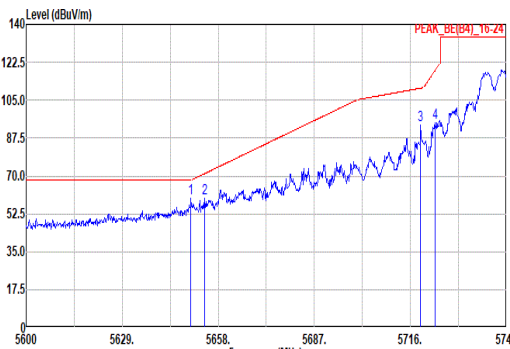
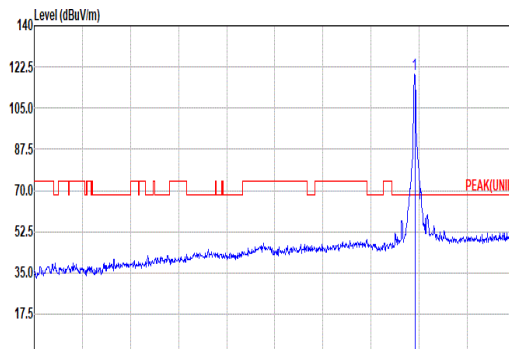
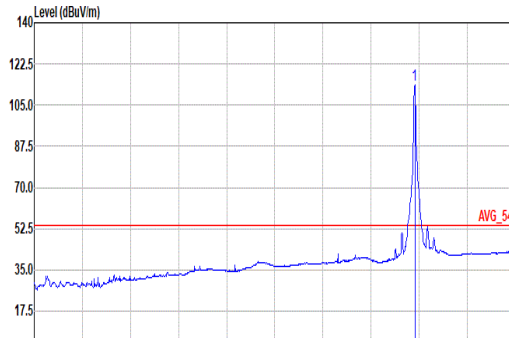
**C2. Summary of each worse mode**

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
1	802.11a	149	5649.74	59.82	68.20	-8.38	V	Peak	Pass	-	Band Edge
	802.11a	149	11490.00	42.02	54.00	-11.98	H	Avg.	Pass	-	Harmonic
2	802.11a	157	5923.27	65.10	69.47	-4.37	V	Peak	Pass	-	Band Edge
	802.11a	157	11570.00	41.14	54.00	-12.86	V	Avg.	Pass	-	Harmonic
3	802.11a	165	5924.25	66.11	68.75	-2.64	V	Peak	Pass	-	Band Edge
	802.11a	165	11650.00	41.78	54.00	-12.22	V	Avg.	Pass	-	Harmonic
4	802.11ac VHT20	149	5642.92	62.79	68.20	-5.41	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	149	17235.00	66.22	68.20	-1.98	V	Peak	Pass	-	Harmonic
5	802.11ac VHT20	157	5925.91	65.43	68.20	-2.77	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	157	17355.00	64.87	68.20	-3.33	V	Peak	Pass	-	Harmonic
6	802.11ac VHT20	165	5923.13	62.16	69.58	-7.42	V	Peak	Pass	-	Band Edge
	802.11ac VHT20	165	17475.00	62.49	68.20	-5.71	V	Peak	Pass	-	Harmonic
7	802.11ac VHT40	151	5646.81	67.34	68.20	-0.86	V	Peak	Pass	-	Band Edge
8	802.11ac VHT40	159	5925.67	67.48	68.20	-0.72	V	Peak	Pass	-	Band Edge
9	802.11ac VHT80	155	5649.53	65.37	68.20	-2.83	V	Peak	Pass	-	Band Edge
10	802.11ax HE20	149	5649.01	63.32	68.20	-4.88	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	149	17235.00	67.27	68.20	-0.93	V	Peak	Pass	Full RU	Harmonic
11	802.11ax HE20	157	5926.57	62.76	68.20	-5.44	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	157	17355.00	63.86	68.20	-4.34	V	Peak	Pass	Full RU	Harmonic
12	802.11ax HE20	165	5924.25	64.64	68.75	-4.11	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE20	165	17475.00	62.53	68.20	-5.67	V	Peak	Pass	Full RU	Harmonic
13	802.11ax HE40	151	5653.01	67.90	70.44	-2.54	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	151	17265.00	61.23	68.20	-6.97	V	Peak	Pass	Full RU	Harmonic
14	802.11ax HE40	159	5929.85	67.11	68.20	-1.09	H	Peak	Pass	Full RU	Band Edge
	802.11ax HE40	159	11590.00	41.63	54.00	-12.37	V	Avg.	Pass	Full RU	Harmonic
15	802.11ax HE80	155	5648.83	67.07	68.20	-1.13	V	Peak	Pass	Full RU	Band Edge
	802.11ax HE80	155	11550.00	41.36	54.00	-12.64	V	Avg.	Pass	Full RU	Harmonic
16	802.11ac VHT40	159	39958.00	44.41	54.00	-9.59	V	Avg.	Pass	-	SHF
17	802.11ac VHT40	159	500.45	43.67	46.00	-2.33	V	QP	Pass	-	LF

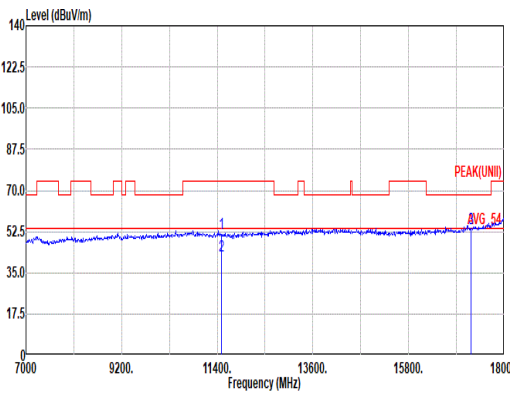
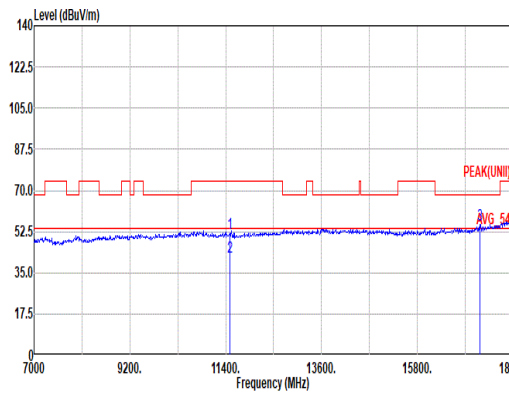


Mode	1																																																																																																																																														
	Band Edge																																																																																																																																														
	U-NII-3_5.725-5.85_802.11a_CH149_5745MHz																																																																																																																																														
ANT	1+2 (CDD)																																																																																																																																														
Pol.	Horizontal																																																																																																																																														
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5622.62</td><td>49.24</td><td>68.20</td><td>-18.96</td><td>40.54</td><td>33.09</td><td>13.52</td><td>37.91</td><td>0.00</td><td>200 173 PEAK</td></tr><tr><td>2</td><td>5651.77</td><td>51.09</td><td>69.51</td><td>-18.42</td><td>42.24</td><td>33.21</td><td>13.56</td><td>37.92</td><td>0.00</td><td>200 173 PEAK</td></tr><tr><td>3</td><td>5717.02</td><td>79.28</td><td>109.97</td><td>-30.69</td><td>69.92</td><td>33.63</td><td>13.65</td><td>37.92</td><td>0.00</td><td>200 173 PEAK</td></tr><tr><td>4</td><td>5722.53</td><td>83.56</td><td>116.56</td><td>-33.00</td><td>74.17</td><td>33.65</td><td>13.66</td><td>37.92</td><td>0.00</td><td>200 173 PEAK</td></tr></tbody></table>												Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5622.62	49.24	68.20	-18.96	40.54	33.09	13.52	37.91	0.00	200 173 PEAK	2	5651.77	51.09	69.51	-18.42	42.24	33.21	13.56	37.92	0.00	200 173 PEAK	3	5717.02	79.28	109.97	-30.69	69.92	33.63	13.65	37.92	0.00	200 173 PEAK	4	5722.53	83.56	116.56	-33.00	74.17	33.65	13.66	37.92	0.00	200 173 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5745.00</td><td>111.97</td><td>-----</td><td>-----</td><td>102.51</td><td>33.69</td><td>13.69</td><td>37.92</td><td>0.00</td><td>200 173 PEAK</td></tr></tbody></table>												Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	111.97	-----	-----	102.51	33.69	13.69	37.92	0.00	200 173 PEAK
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																					
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Avg	Blank											 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th colspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5745.00</td><td>104.91</td><td>-----</td><td>-----</td><td>95.45</td><td>33.69</td><td>13.69</td><td>37.92</td><td>0.00</td><td>200 173 AVERAGE</td></tr></tbody></table>												Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	104.91	-----	-----	95.45	33.69	13.69	37.92	0.00	200 173 AVERAGE																																																																													
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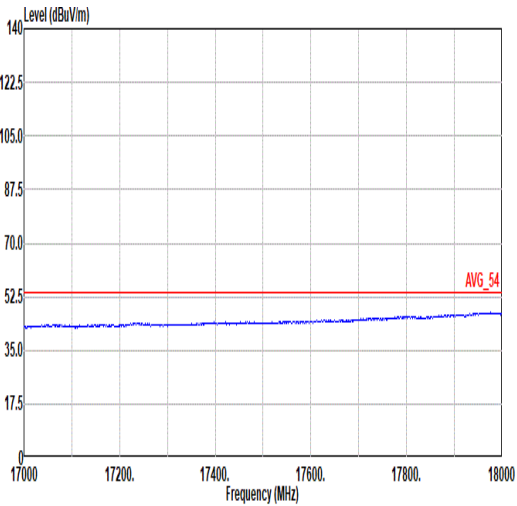
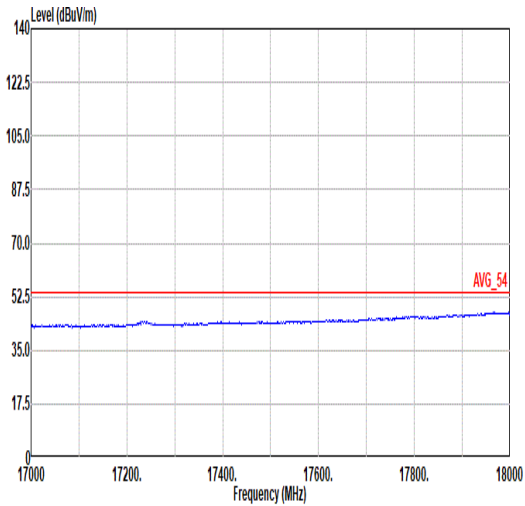


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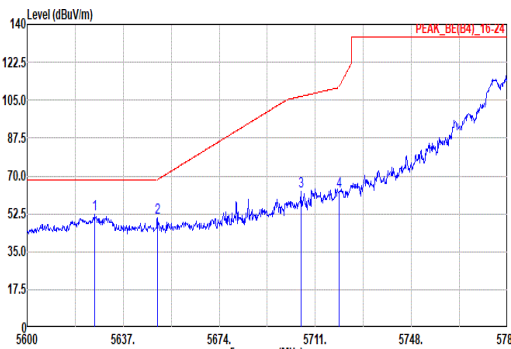
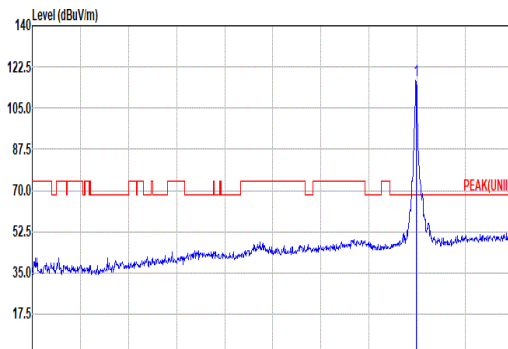
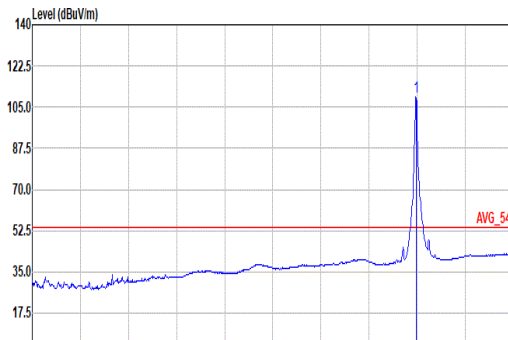


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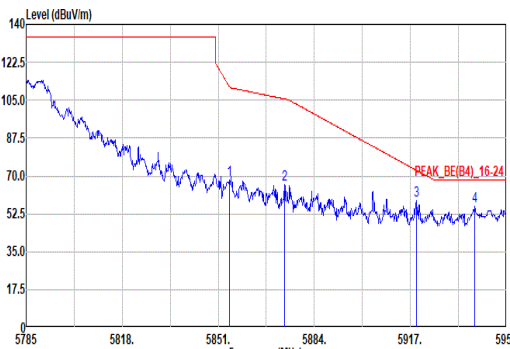


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ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
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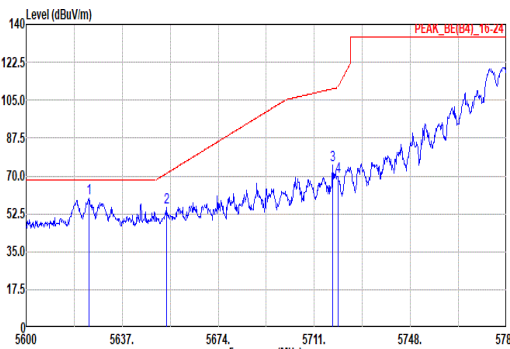
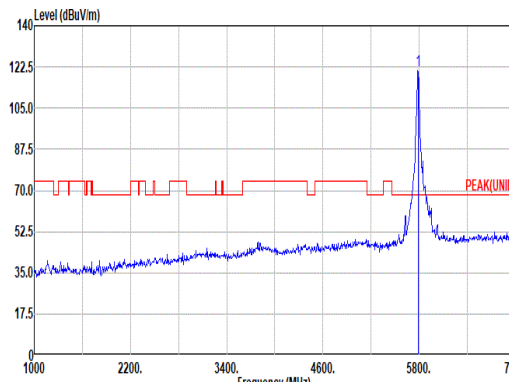
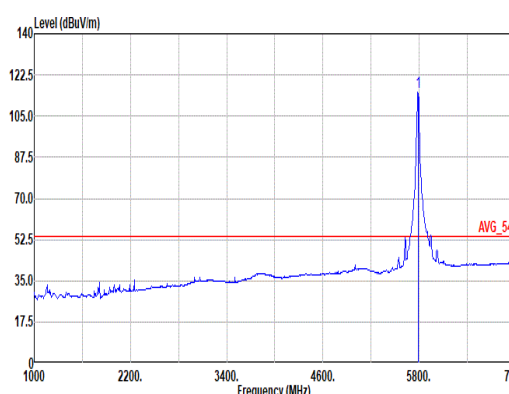


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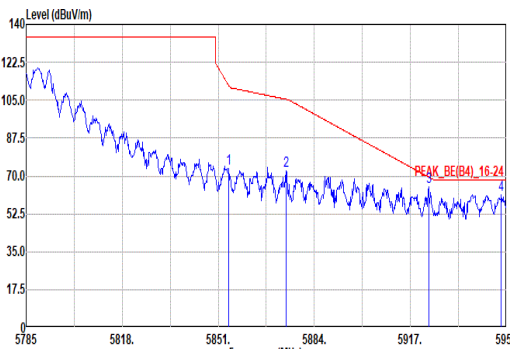


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Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5854.80</td><td>68.35</td><td>111.27</td><td>-42.92</td><td>58.12</td><td>34.30</td><td>13.85</td><td>37.92</td><td>0.00 287 211 PEAK</td></tr><tr><td>2</td><td>5873.77</td><td>66.24</td><td>105.54</td><td>-39.30</td><td>55.98</td><td>34.30</td><td>13.88</td><td>37.92</td><td>0.00 287 211 PEAK</td></tr><tr><td>3</td><td>5918.98</td><td>58.80</td><td>72.64</td><td>-13.84</td><td>48.48</td><td>34.30</td><td>13.95</td><td>37.93</td><td>0.00 287 211 PEAK</td></tr><tr><td>4</td><td>5939.11</td><td>55.93</td><td>68.20</td><td>-12.27</td><td>45.58</td><td>34.30</td><td>13.98</td><td>37.93</td><td>0.00 287 211 PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5854.80	68.35	111.27	-42.92	58.12	34.30	13.85	37.92	0.00 287 211 PEAK	2	5873.77	66.24	105.54	-39.30	55.98	34.30	13.88	37.92	0.00 287 211 PEAK	3	5918.98	58.80	72.64	-13.84	48.48	34.30	13.95	37.93	0.00 287 211 PEAK	4	5939.11	55.93	68.20	-12.27	45.58	34.30	13.98	37.93	0.00 287 211 PEAK	Blank
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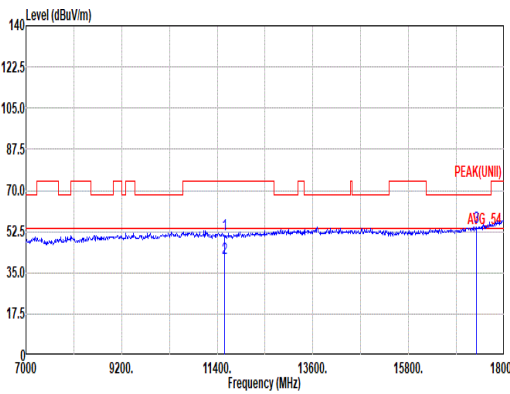
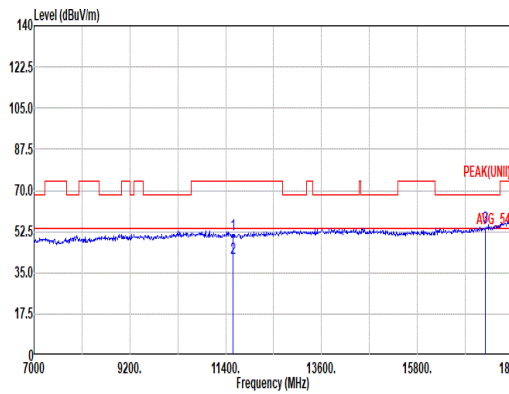


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Mode	Band Edge - L																																																																																																																																
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		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																							
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Avg	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>5785.00</td><td>114.93</td><td>-----</td><td>-----</td><td>105.15</td><td>33.96</td><td>13.74</td><td>37.92</td><td>0.00</td><td>398</td><td>360</td><td>AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5785.00	114.93	-----	-----	105.15	33.96	13.74	37.92	0.00	398	360	AVERAGE																																																																																			
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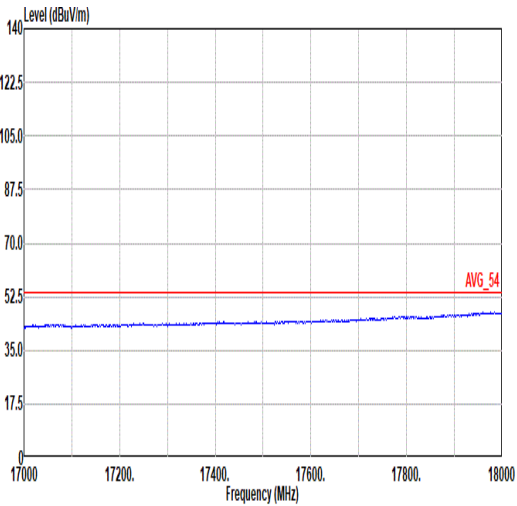
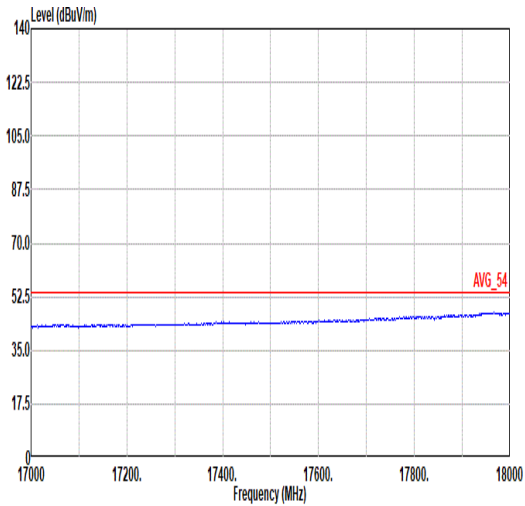


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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																															
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MHz	dBuV/m	dBuV/m	dB	dB/m	dB	dB	dB	cm	deg																																																															
1 5854.63	73.41	111.64	-38.23	63.18	34.30	13.85	37.92	0.00	398 360 PEAK																																																															
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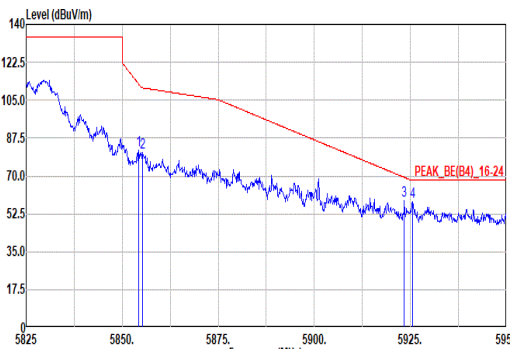
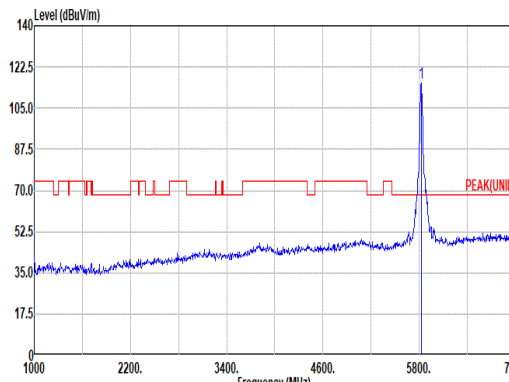
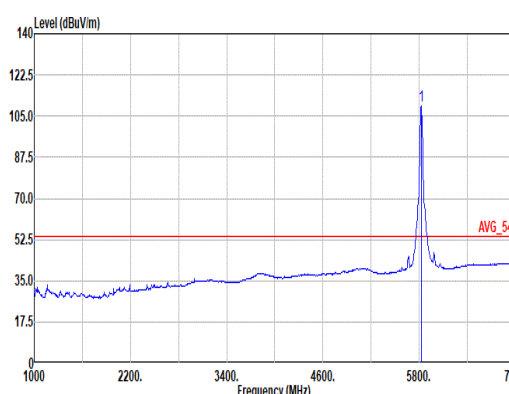


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	Harmonic																										
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz																										
ANT	1+2 (CDD)																										
Pol.	Horizontal							Vertical																			
Peak Avg																											
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL							Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL																			
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	11570.00	51.09	74.00	-22.91		34.56	38.82	19.53	42.53	0.71	200	152	PEAK	1	11570.00	51.47	74.00	-22.53		34.94	38.82	19.53	42.53	0.71	100	215	PEAK
2	11570.00	41.10	54.00	-12.90		24.57	38.82	19.53	42.53	0.71	200	152	Average	2	11570.00	41.14	54.00	-12.86		24.61	38.82	19.53	42.53	0.71	100	215	Average
3	17355.00	54.16	68.20	-14.04		34.29	39.82	24.14	44.71	0.62	--	--	PEAK	3	17355.00	54.52	68.20	-13.68		34.65	39.82	24.14	44.71	0.62	--	--	PEAK



Mode	2	
	Harmonic	
	U-NII-3_5.725-5.85_802.11a_CH157_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL

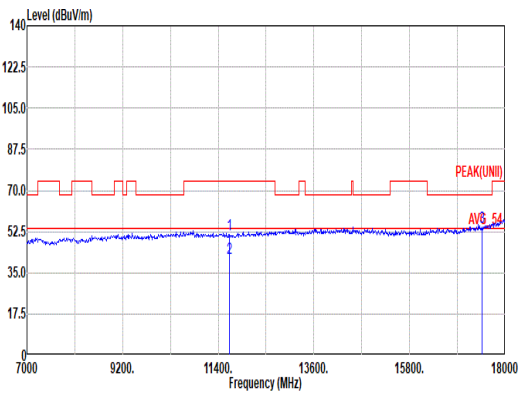
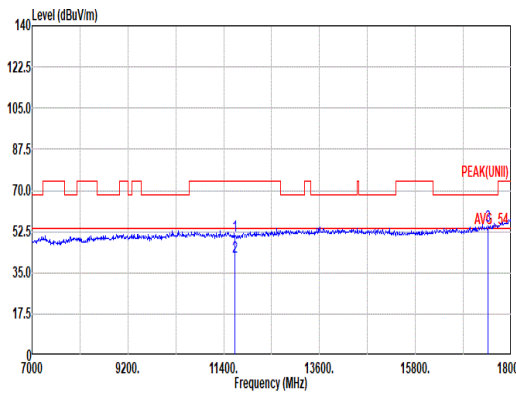


Mode	3																																																																																																																																			
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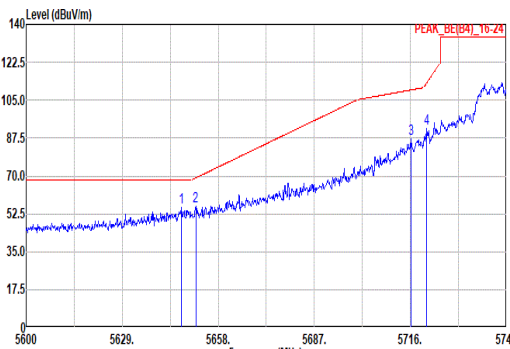
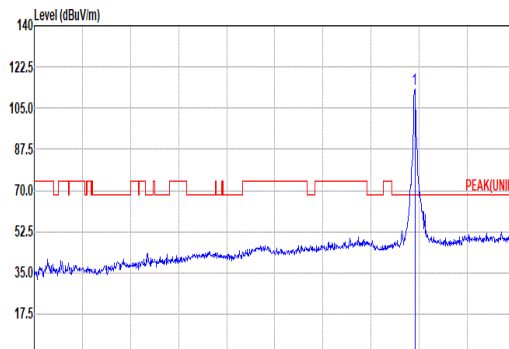
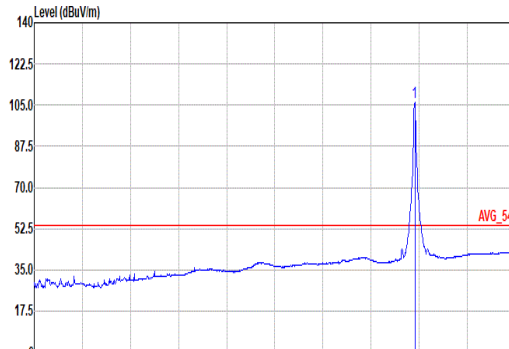


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2	11650.00	41.78	54.00	-12.22	25.38	38.70	19.60	42.60	0.70	253	0	Average																																																																																																																																											
3	17475.00	55.17	68.20	-13.03	35.02	40.10	24.22	44.81	0.64	--	--	PEAK																																																																																																																																											

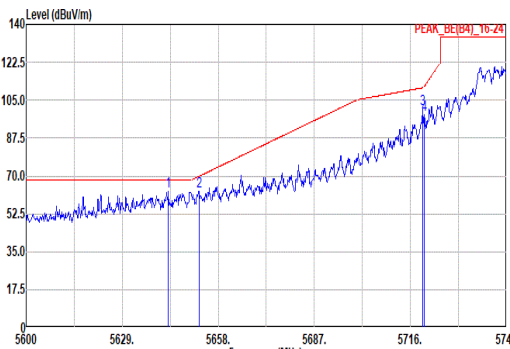
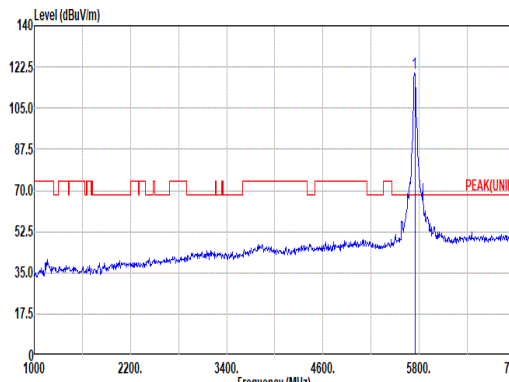
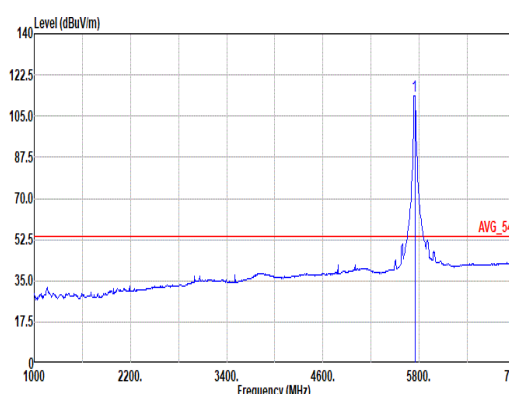


Mode	3	
	Harmonic	
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ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL

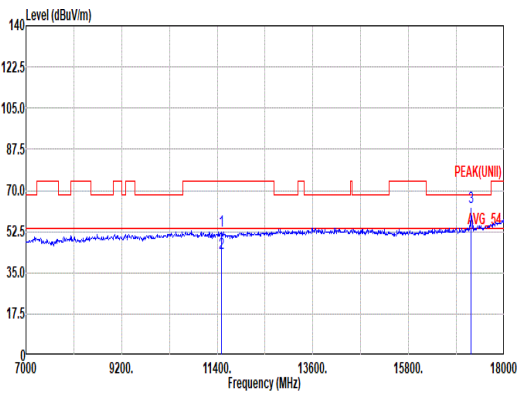
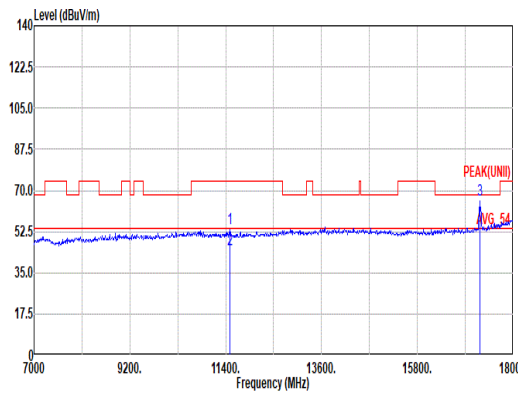


	4																																																																																																																																										
Mode	Band Edge																																																																																																																																										
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz																																																																																																																																										
ANT	1+2 (CDD)																																																																																																																																										
Pol.	Horizontal						Fundamental																																																																																																																																				
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5646.84</td><td>55.45</td><td>68.20</td><td>-12.75</td><td>46.63</td><td>33.19</td><td>13.55</td><td>37.92</td><td>0.00</td><td>200</td><td>208</td><td>PEAK</td></tr><tr><td>2</td><td>5651.19</td><td>55.74</td><td>69.08</td><td>-13.34</td><td>46.89</td><td>33.21</td><td>13.56</td><td>37.92</td><td>0.00</td><td>200</td><td>208</td><td>PEAK</td></tr><tr><td>3</td><td>5716.15</td><td>87.02</td><td>109.72</td><td>-22.70</td><td>77.66</td><td>33.63</td><td>13.65</td><td>37.92</td><td>0.00</td><td>200</td><td>208</td><td>PEAK</td></tr><tr><td>4</td><td>5720.79</td><td>91.91</td><td>112.59</td><td>-20.68</td><td>82.54</td><td>33.64</td><td>13.65</td><td>37.92</td><td>0.00</td><td>200</td><td>208</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5646.84	55.45	68.20	-12.75	46.63	33.19	13.55	37.92	0.00	200	208	PEAK	2	5651.19	55.74	69.08	-13.34	46.89	33.21	13.56	37.92	0.00	200	208	PEAK	3	5716.15	87.02	109.72	-22.70	77.66	33.63	13.65	37.92	0.00	200	208	PEAK	4	5720.79	91.91	112.59	-20.68	82.54	33.64	13.65	37.92	0.00	200	208	PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5745.00</td><td>112.85</td><td>-----</td><td>-----</td><td>103.39</td><td>33.69</td><td>13.69</td><td>37.92</td><td>0.00</td><td>200</td><td>208</td><td>PEAK</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	112.85	-----	-----	103.39	33.69	13.69	37.92	0.00	200	208	PEAK
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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1	5646.84	55.45	68.20	-12.75	46.63	33.19	13.55	37.92	0.00	200	208	PEAK																																																																																																																															
2	5651.19	55.74	69.08	-13.34	46.89	33.21	13.56	37.92	0.00	200	208	PEAK																																																																																																																															
3	5716.15	87.02	109.72	-22.70	77.66	33.63	13.65	37.92	0.00	200	208	PEAK																																																																																																																															
4	5720.79	91.91	112.59	-20.68	82.54	33.64	13.65	37.92	0.00	200	208	PEAK																																																																																																																															
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1	5745.00	112.85	-----	-----	103.39	33.69	13.69	37.92	0.00	200	208	PEAK																																																																																																																															
Avg	Blank						 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:0.820kHz SMT:Auto <table><thead><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5745.00</td><td>106.28</td><td>-----</td><td>-----</td><td>96.82</td><td>33.69</td><td>13.69</td><td>37.92</td><td>0.00</td><td>200</td><td>208</td><td>AVERAGE</td></tr></tbody></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	5745.00	106.28	-----	-----	96.82	33.69	13.69	37.92	0.00	200	208	AVERAGE																																																																																			
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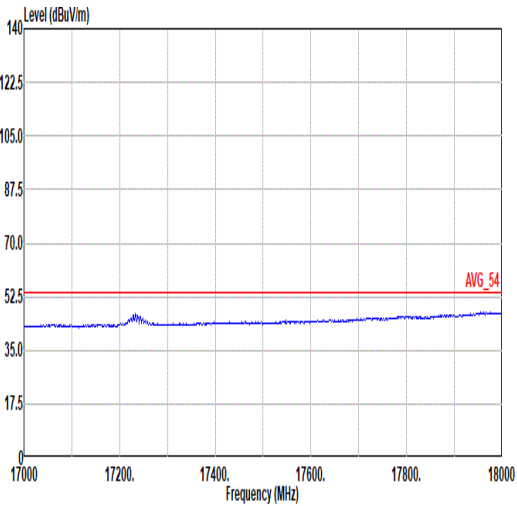
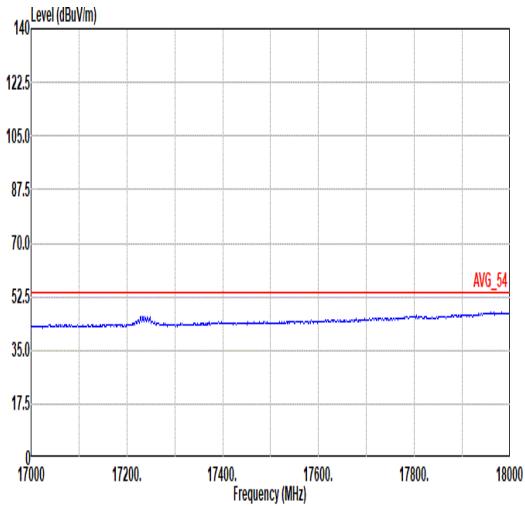


Mode	4																																																																																										
	Band Edge																																																																																										
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz																																																																																										
ANT	1+2 (CDD)																																																																																										
Pol.	Vertical																																																																																										
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5642.92</td><td>62.79</td><td>68.20</td><td>-5.41</td><td>53.99</td><td>33.17</td><td>13.55</td><td>37.92</td><td>0.00</td><td>384</td><td>0</td><td>PEAK</td></tr><tr><td>2</td><td>5652.20</td><td>63.02</td><td>69.84</td><td>-6.82</td><td>54.16</td><td>33.22</td><td>13.56</td><td>37.92</td><td>0.00</td><td>384</td><td>0</td><td>PEAK</td></tr><tr><td>3</td><td>5719.77</td><td>101.04</td><td>110.74</td><td>-9.70</td><td>91.67</td><td>33.64</td><td>13.65</td><td>37.92</td><td>0.00</td><td>384</td><td>0</td><td>PEAK</td></tr><tr><td>4</td><td>5720.21</td><td>98.38</td><td>111.27</td><td>-12.89</td><td>89.01</td><td>33.64</td><td>13.65</td><td>37.92</td><td>0.00</td><td>384</td><td>0</td><td>PEAK</td></tr></tbody></table>												Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	5642.92	62.79	68.20	-5.41	53.99	33.17	13.55	37.92	0.00	384	0	PEAK	2	5652.20	63.02	69.84	-6.82	54.16	33.22	13.56	37.92	0.00	384	0	PEAK	3	5719.77	101.04	110.74	-9.70	91.67	33.64	13.65	37.92	0.00	384	0	PEAK	4	5720.21	98.38	111.27	-12.89	89.01	33.64	13.65	37.92	0.00	384	0	PEAK
		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																													
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg																																																																														
1	5642.92	62.79	68.20	-5.41	53.99	33.17	13.55	37.92	0.00	384	0	PEAK																																																																															
2	5652.20	63.02	69.84	-6.82	54.16	33.22	13.56	37.92	0.00	384	0	PEAK																																																																															
3	5719.77	101.04	110.74	-9.70	91.67	33.64	13.65	37.92	0.00	384	0	PEAK																																																																															
4	5720.21	98.38	111.27	-12.89	89.01	33.64	13.65	37.92	0.00	384	0	PEAK																																																																															
Fundamental	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5745.00</td><td>120.10</td><td>-----</td><td>-----</td><td>110.66</td><td>33.68</td><td>13.68</td><td>37.92</td><td>0.00</td><td>384</td><td>0</td><td>PEAK</td></tr></tbody></table>												Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	5745.00	120.10	-----	-----	110.66	33.68	13.68	37.92	0.00	384	0	PEAK																																							
		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																													
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg																																																																														
1	5745.00	120.10	-----	-----	110.66	33.68	13.68	37.92	0.00	384	0	PEAK																																																																															
Avg	Blank																																																																																										
	 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:0.820kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>5745.00</td><td>113.63</td><td>-----</td><td>-----</td><td>104.19</td><td>33.68</td><td>13.68</td><td>37.92</td><td>0.00</td><td>384</td><td>0</td><td>AVERAGE</td></tr></tbody></table>												Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	5745.00	113.63	-----	-----	104.19	33.68	13.68	37.92	0.00	384	0	AVERAGE																																							
		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg																																																																															
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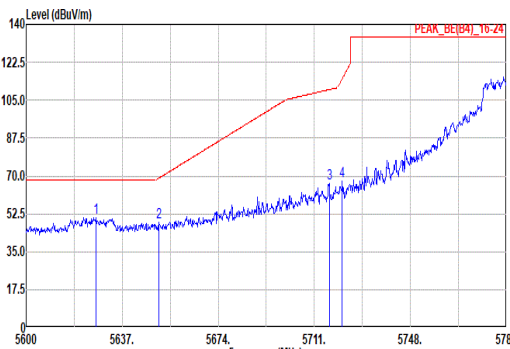
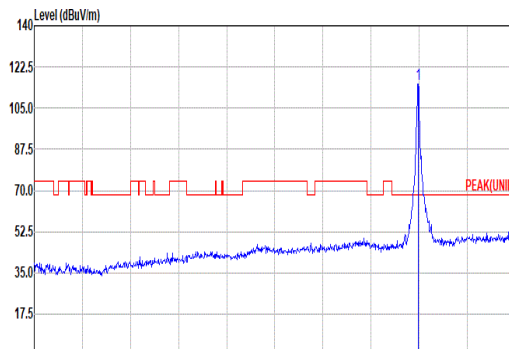
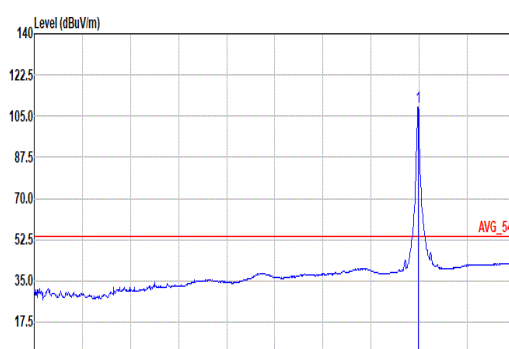


Mode	4													
	Harmonic													
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz													
ANT	1+2 (CDD)													
Pol.	Horizontal						Vertical							
Peak Avg														
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL							
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	
	1	11490.00	52.79	74.00	-21.21	35.88	39.20	19.46	42.47	0.72	200	311	PEAK	
	2	11490.00	43.33	54.00	-10.67	26.42	39.20	19.46	42.47	0.72	200	311	Average	
	3	17235.00	62.92	68.20	-5.28	43.30	39.57	24.06	44.61	0.60	200	33	PEAK	
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	
	1	11490.00	54.13	74.00	-19.87	37.22	39.20	19.46	42.47	0.72	200	344	PEAK	
	2	11490.00	44.75	54.00	-9.25	27.84	39.20	19.46	42.47	0.72	200	344	Average	
	3	17235.00	66.22	68.20	-1.98	46.60	39.57	24.06	44.61	0.60	300	181	PEAK	

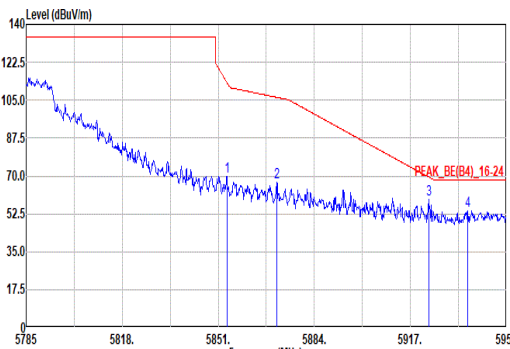


Mode	4	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH149_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL



Mode	5																																																																																																																																										
	Band Edge - L																																																																																																																																										
	U-NII-3_5.725-5.85_802.11ac VHT20_CH157_5785MHz																																																																																																																																										
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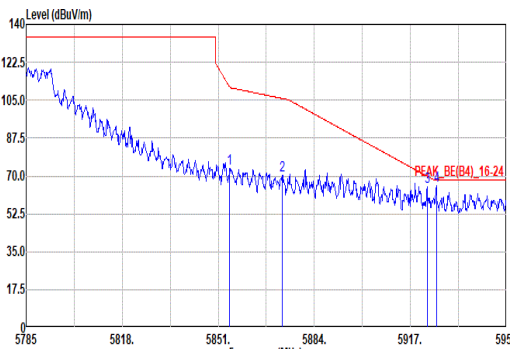


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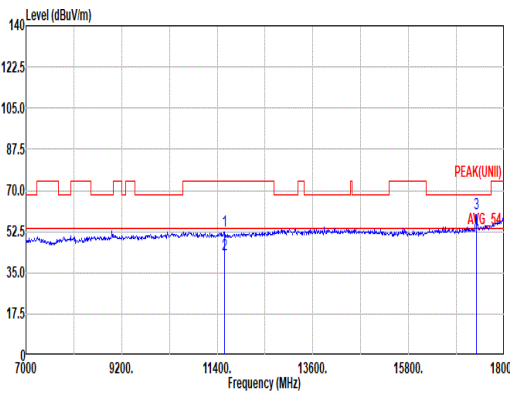
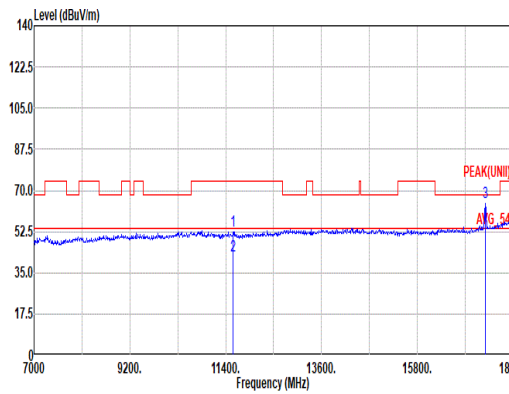


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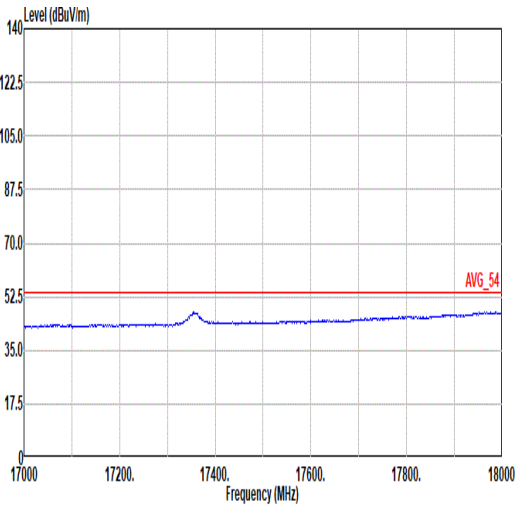
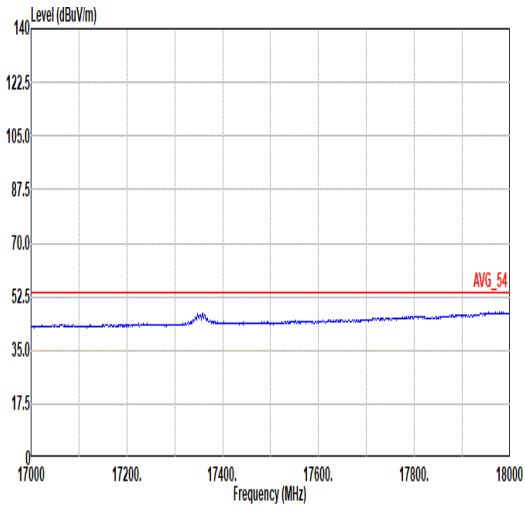


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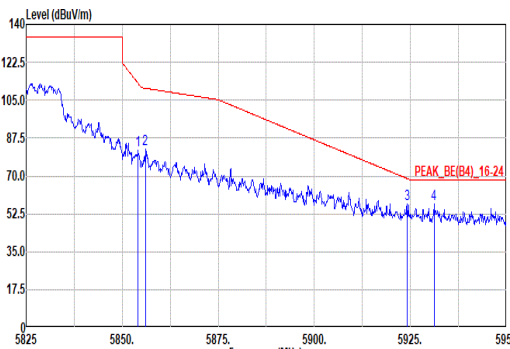
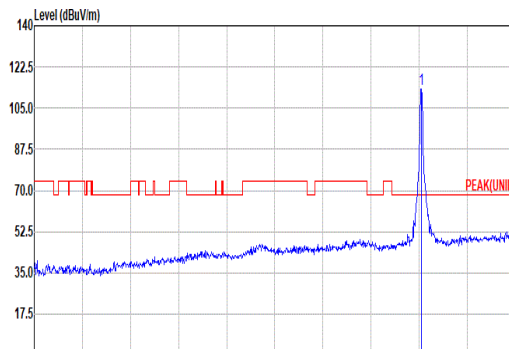
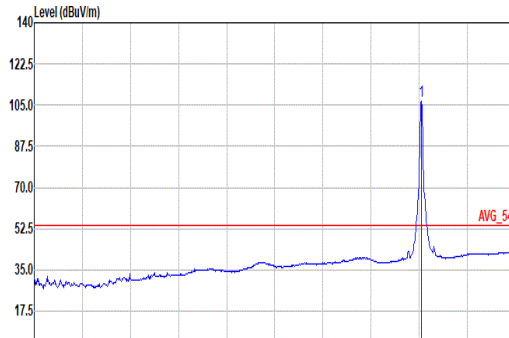


Mode	5																									
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Pol.	Horizontal							Vertical																		
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	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11570.00	52.64	74.00	-21.36	36.11	38.82	19.53	42.53	0.71	100	9		PEAK	1	11570.00	52.85	74.00	-21.15	36.32	38.82	19.53	42.53	0.71	100	355	PEAK
2	11570.00	42.57	54.00	-11.43	26.04	38.82	19.53	42.53	0.71	100	9		Average	2	11570.00	42.40	54.00	-11.60	25.87	38.82	19.53	42.53	0.71	100	355	Average
3	17355.00	60.29	68.20	-7.91	40.42	39.82	24.14	44.71	0.62	200	195		PEAK	3	17355.00	64.87	68.20	-3.33	45.00	39.82	24.14	44.71	0.62	300	190	PEAK

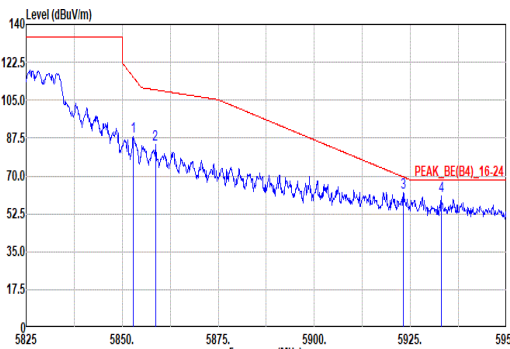
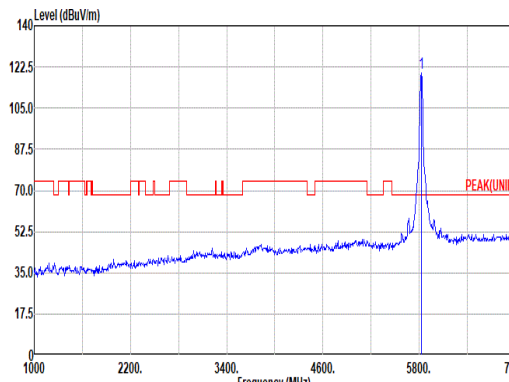
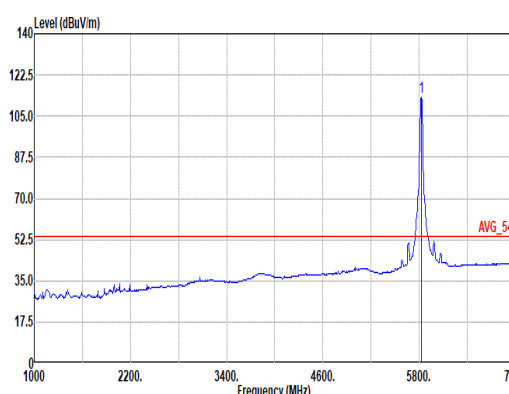


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ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL

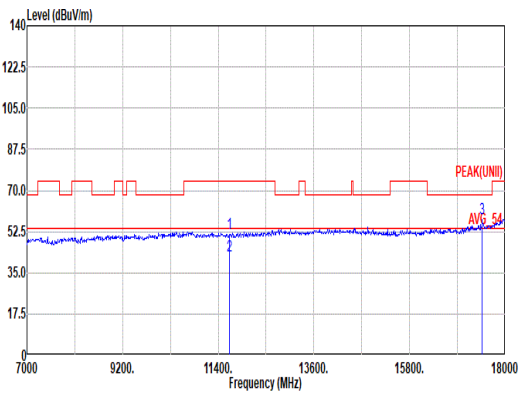
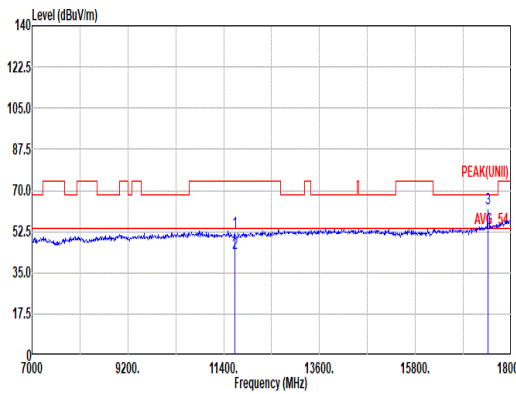


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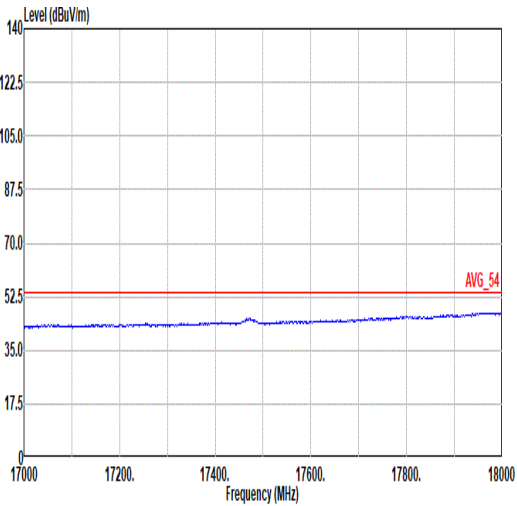
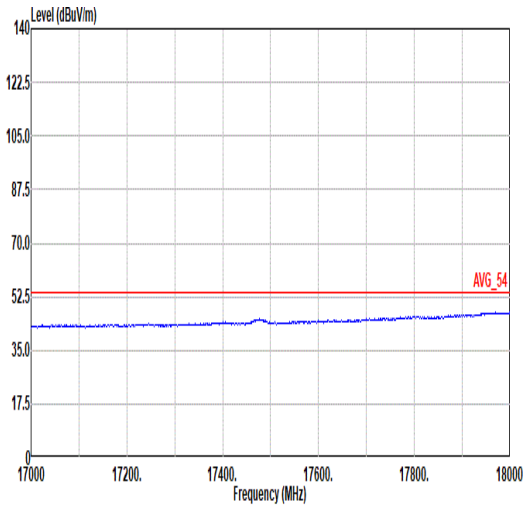


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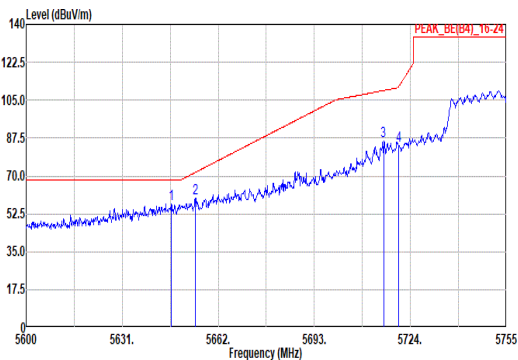
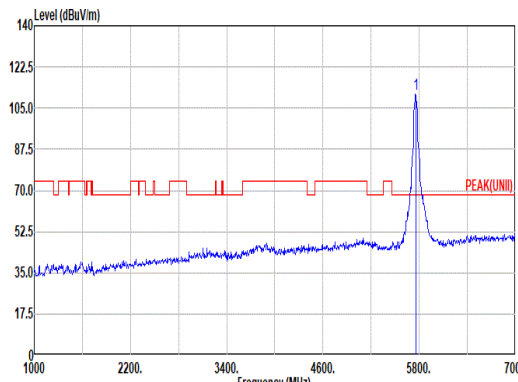
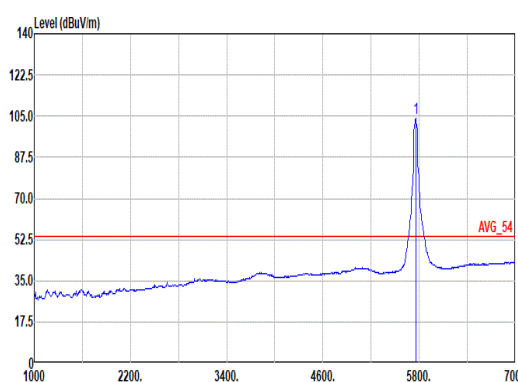


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Mode	Harmonic																																																																																																																																													
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Pol.	Horizontal	Vertical																																																																																																																																												
Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11650.00</td><td>51.61</td><td>74.00</td><td>-22.39</td><td>35.21</td><td>38.70</td><td>19.60</td><td>42.60</td><td>0.70</td><td>100</td><td>349</td><td>PEAK</td></tr><tr><td>2</td><td>11650.00</td><td>42.28</td><td>54.00</td><td>-11.72</td><td>25.88</td><td>38.70</td><td>19.60</td><td>42.60</td><td>0.70</td><td>100</td><td>349</td><td>Average</td></tr><tr><td>3</td><td>17475.00</td><td>58.36</td><td>68.20</td><td>-9.84</td><td>38.21</td><td>40.10</td><td>24.22</td><td>44.81</td><td>0.64</td><td>200</td><td>273</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	11650.00	51.61	74.00	-22.39	35.21	38.70	19.60	42.60	0.70	100	349	PEAK	2	11650.00	42.28	54.00	-11.72	25.88	38.70	19.60	42.60	0.70	100	349	Average	3	17475.00	58.36	68.20	-9.84	38.21	40.10	24.22	44.81	0.64	200	273	PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11650.00</td><td>52.04</td><td>74.00</td><td>-21.96</td><td>35.64</td><td>38.70</td><td>19.60</td><td>42.60</td><td>0.70</td><td>100</td><td>359</td><td>PEAK</td></tr><tr><td>2</td><td>11650.00</td><td>43.23</td><td>54.00</td><td>-10.77</td><td>26.83</td><td>38.70</td><td>19.60</td><td>42.60</td><td>0.70</td><td>100</td><td>359</td><td>Average</td></tr><tr><td>3</td><td>17475.00</td><td>62.49</td><td>68.20</td><td>-5.71</td><td>42.34</td><td>40.10</td><td>24.22</td><td>44.81</td><td>0.64</td><td>300</td><td>191</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	11650.00	52.04	74.00	-21.96	35.64	38.70	19.60	42.60	0.70	100	359	PEAK	2	11650.00	43.23	54.00	-10.77	26.83	38.70	19.60	42.60	0.70	100	359	Average	3	17475.00	62.49	68.20	-5.71	42.34	40.10	24.22	44.81	0.64	300	191	PEAK
		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																				
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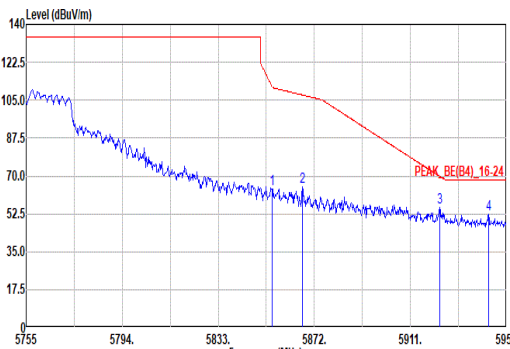


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	Harmonic	
	U-NII-3_5.725-5.85_802.11ac VHT20_CH165_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL

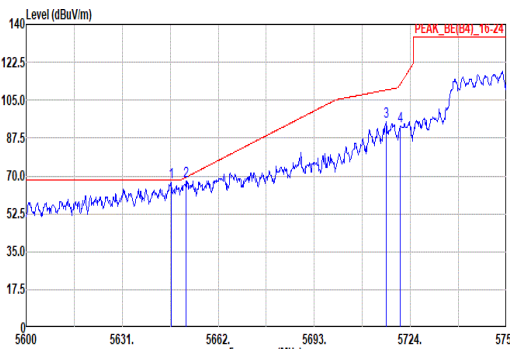
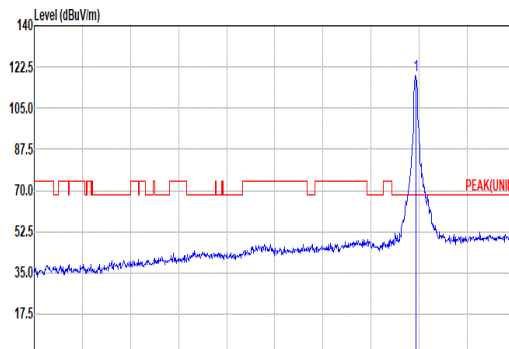
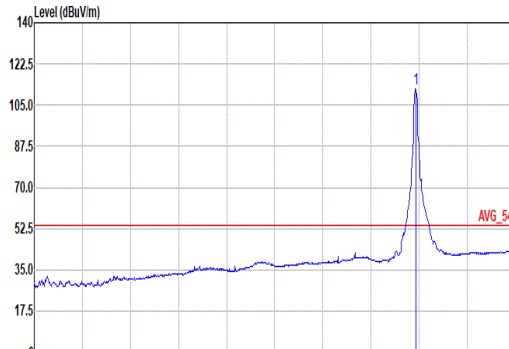


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ANT	1+2 (CDD)																																																																																																															
Pol.	Horizontal	Fundamental																																																																																																														
Peak	 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5646.81</td><td>57.22</td><td>68.20</td><td>-10.98</td><td>48.40</td><td>33.19</td><td>13.55</td><td>37.92</td><td>0.00 300 234 PEAK</td></tr><tr><td>2</td><td>5654.56</td><td>59.67</td><td>71.59</td><td>-11.92</td><td>50.79</td><td>33.24</td><td>13.56</td><td>37.92</td><td>0.00 300 234 PEAK</td></tr><tr><td>3</td><td>5715.32</td><td>86.26</td><td>109.49</td><td>-23.23</td><td>76.90</td><td>33.63</td><td>13.65</td><td>37.92</td><td>0.00 300 234 PEAK</td></tr><tr><td>4</td><td>5720.13</td><td>84.12</td><td>111.09</td><td>-26.97</td><td>74.75</td><td>33.64</td><td>13.65</td><td>37.92</td><td>0.00 300 234 PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5646.81	57.22	68.20	-10.98	48.40	33.19	13.55	37.92	0.00 300 234 PEAK	2	5654.56	59.67	71.59	-11.92	50.79	33.24	13.56	37.92	0.00 300 234 PEAK	3	5715.32	86.26	109.49	-23.23	76.90	33.63	13.65	37.92	0.00 300 234 PEAK	4	5720.13	84.12	111.09	-26.97	74.75	33.64	13.65	37.92	0.00 300 234 PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5755.00</td><td>110.91</td><td>-----</td><td>-----</td><td>101.41</td><td>33.72</td><td>13.70</td><td>37.92</td><td>0.00 300 234 PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5755.00	110.91	-----	-----	101.41	33.72	13.70	37.92	0.00 300 234 PEAK
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Avg	Blank	 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 HORIZONTAL : RBW:1000.000kHz VBW:1.600kHz SMT:Auto <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm deg</th></tr><tr><td>1</td><td>5755.00</td><td>103.89</td><td>-----</td><td>-----</td><td>94.35</td><td>33.76</td><td>13.70</td><td>37.92</td><td>0.00 300 234 AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm deg	1	5755.00	103.89	-----	-----	94.35	33.76	13.70	37.92	0.00 300 234 AVERAGE																																																																						
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																							
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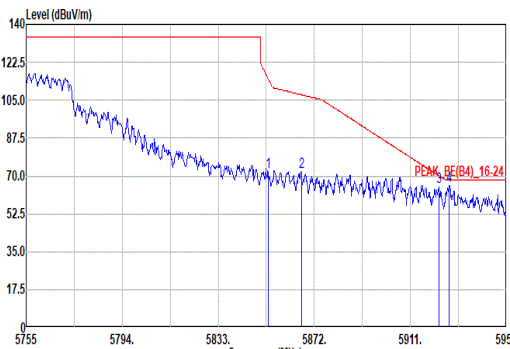


Mode	7																																																																																				
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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																													
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3	5922.90	55.46	69.75	-14.29	45.13	34.30	13.96	37.93	0.00	300	234	PEAK																																																																									
4	5942.79	52.08	68.20	-16.12	41.72	34.30	13.99	37.93	0.00	300	234	PEAK																																																																									

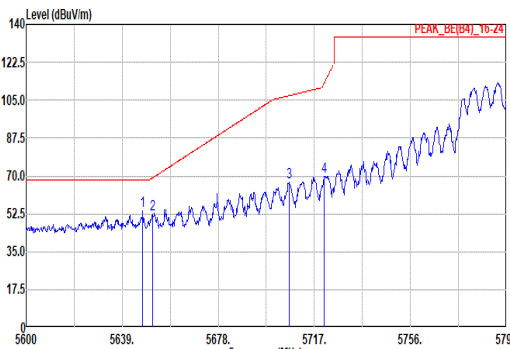
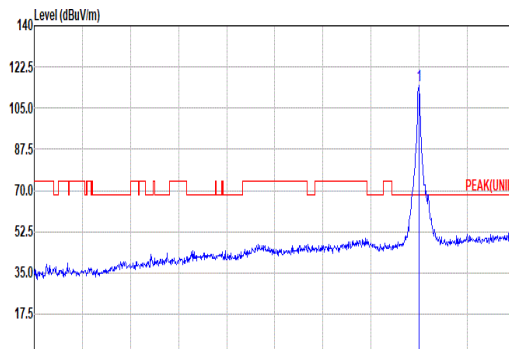
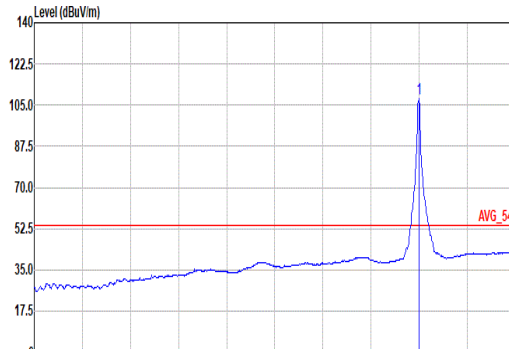


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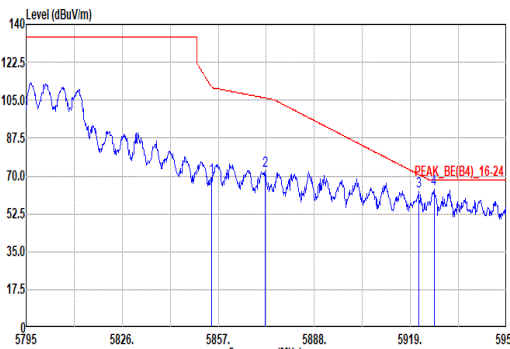


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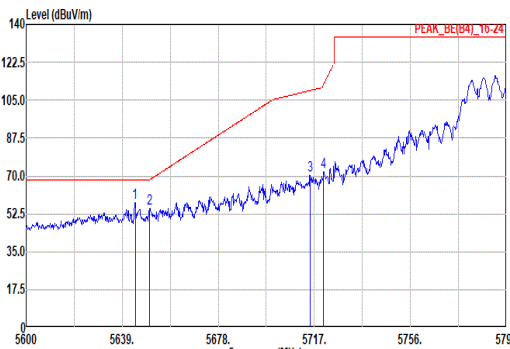
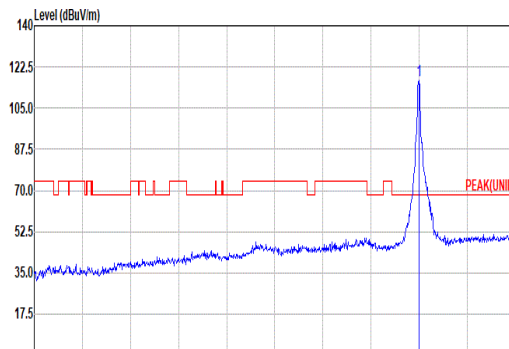
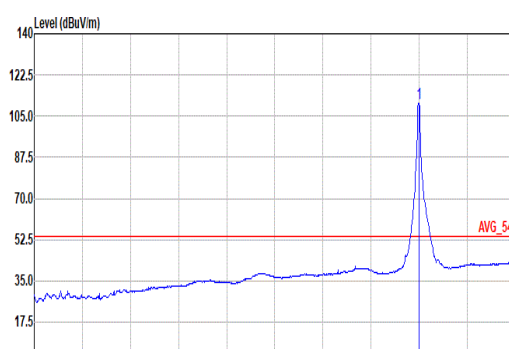


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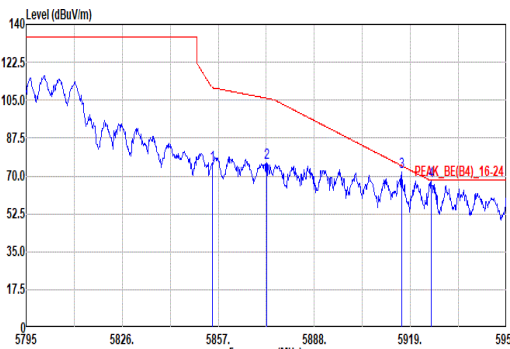


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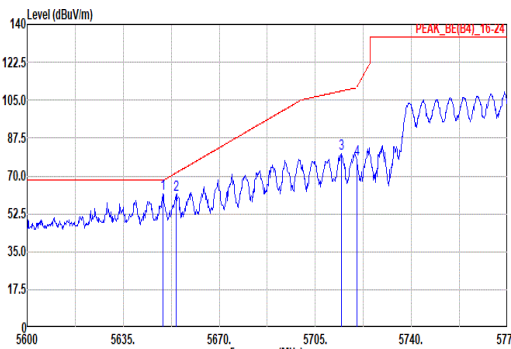
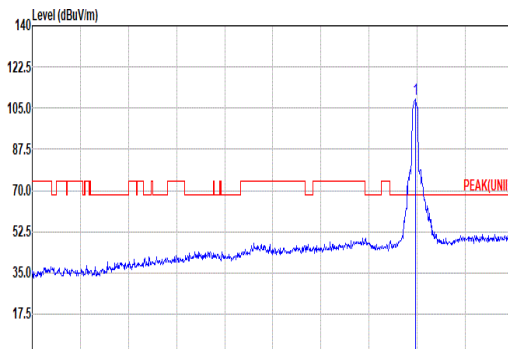
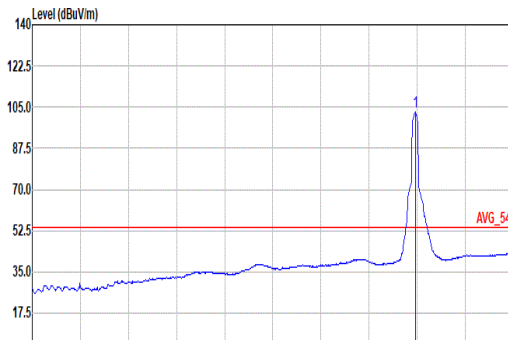


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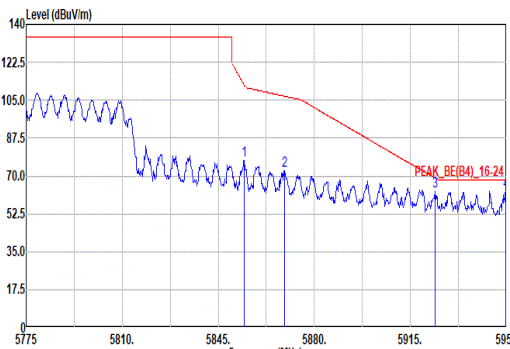


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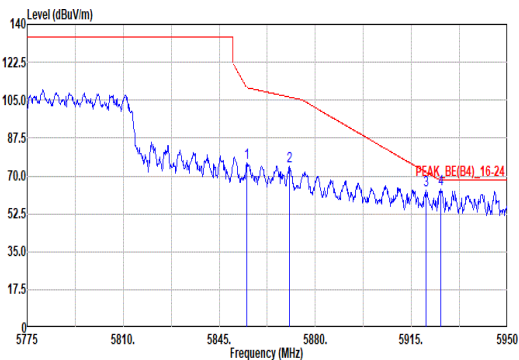


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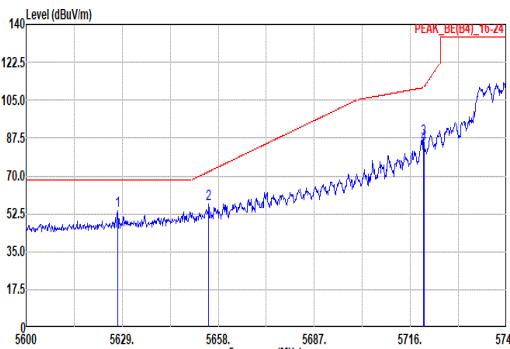
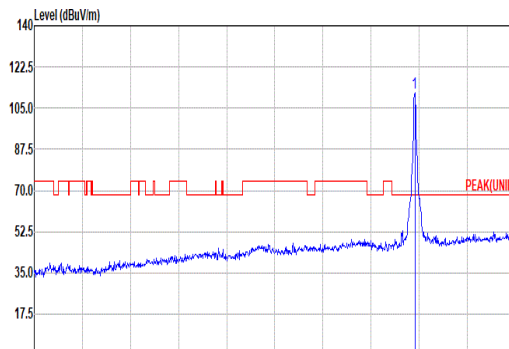
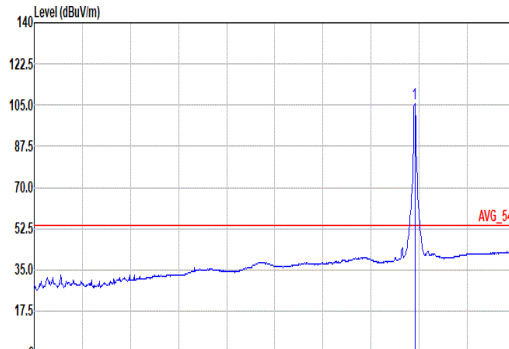


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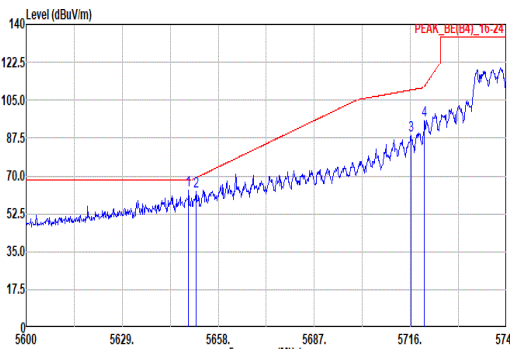
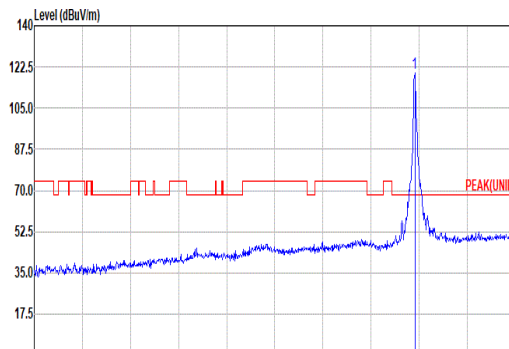
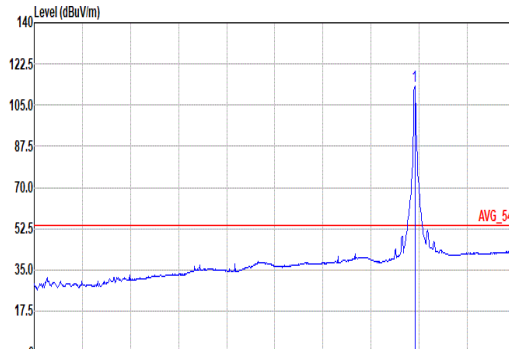


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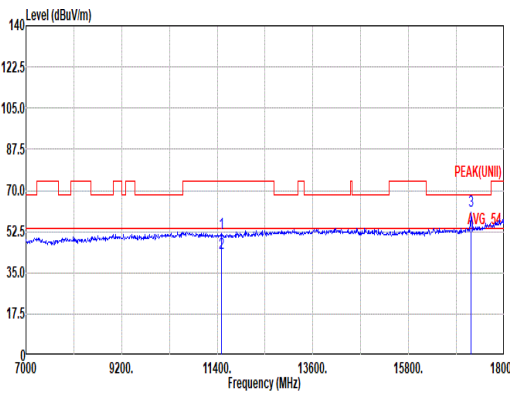
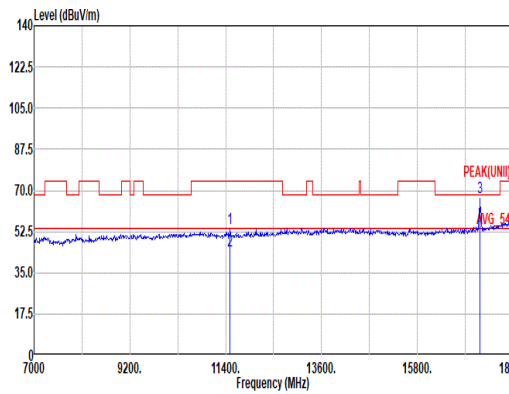


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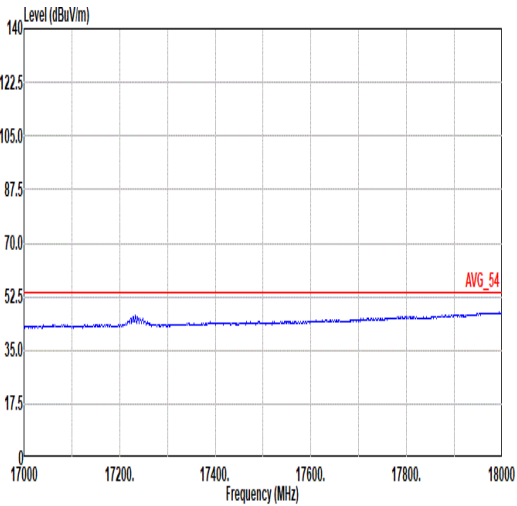
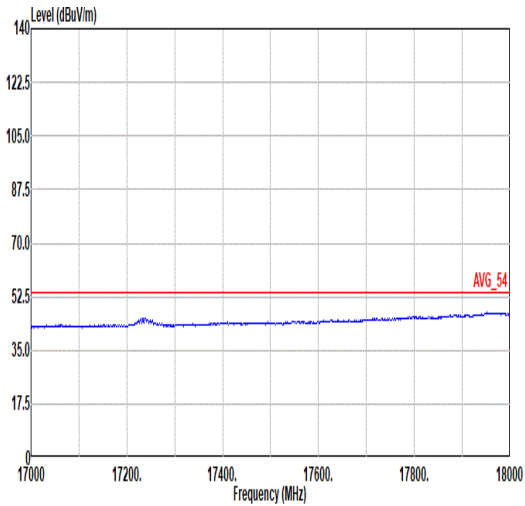


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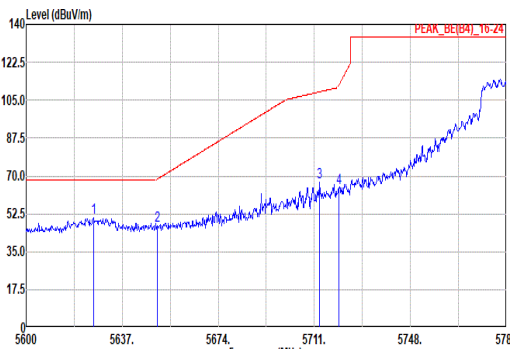
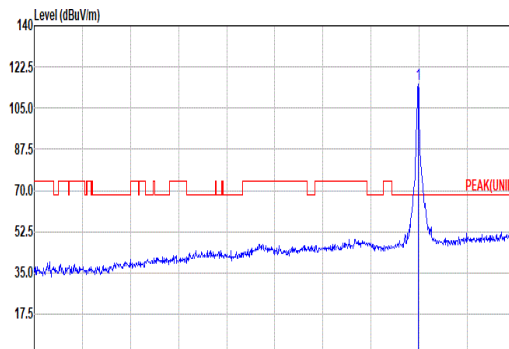
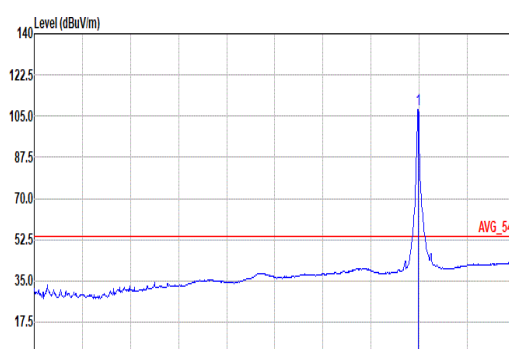


Mode	10												
	Harmonic												
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz												
ANT	1+2 (CDD)												
Pol.	Horizontal						Vertical						
Peak Avg													
	Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL						Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL						
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	51.63	74.00	-22.37	34.72	39.20	19.46	42.47	0.72	100	5	PEAK	
2	11490.00	43.29	54.00	-10.71	26.38	39.20	19.46	42.47	0.72	100	5	Average	
3	17235.00	61.06	68.20	-7.14	41.44	39.57	24.06	44.61	0.60	197	206	PEAK	
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	11490.00	53.96	74.00	-20.04	37.05	39.20	19.46	42.47	0.72	209	341	PEAK	
2	11490.00	44.62	54.00	-9.38	27.71	39.20	19.46	42.47	0.72	209	341	Average	
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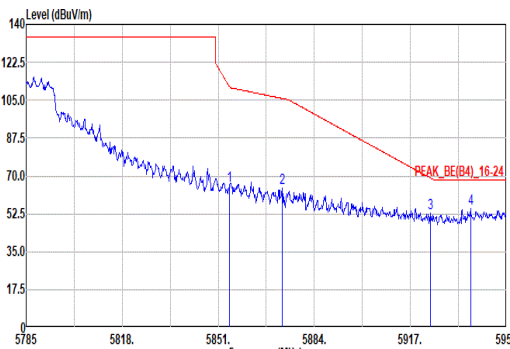


Mode	10	
	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH149_Full RU_5745MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL

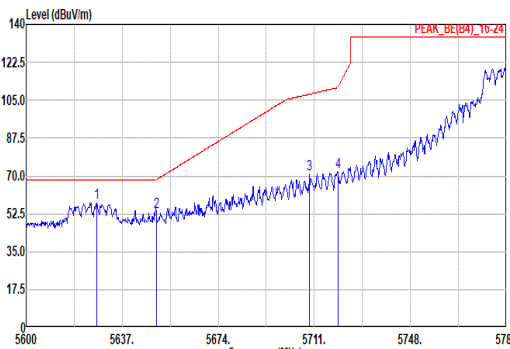
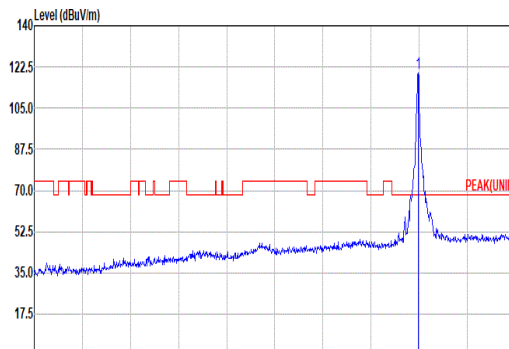
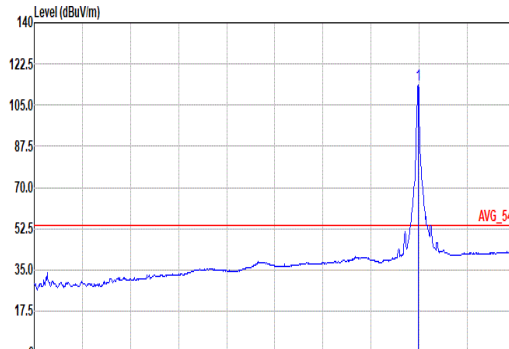


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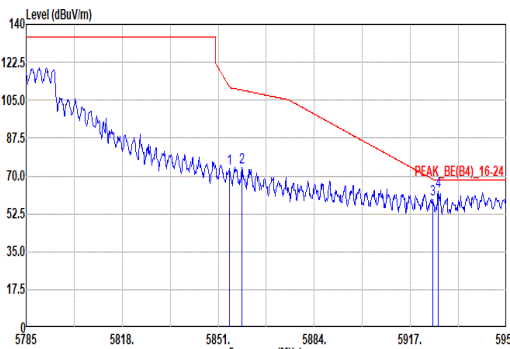


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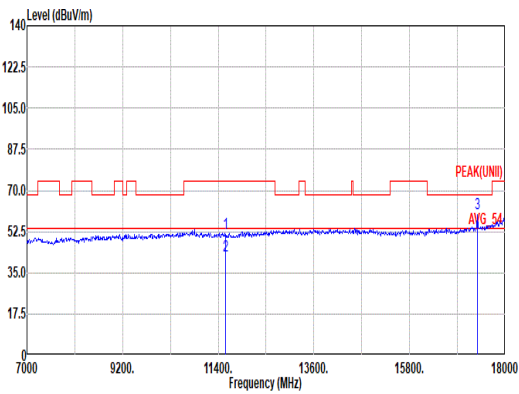
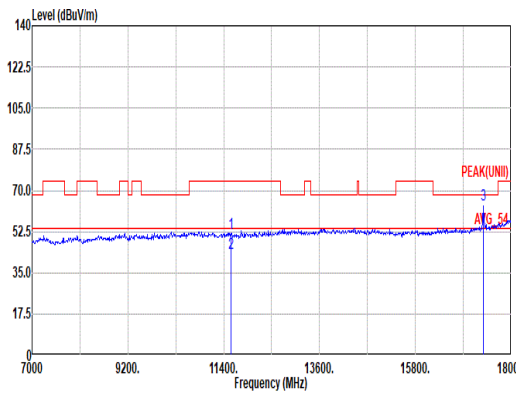


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Mode	Band Edge - L																																																																																																																																														
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Pol.	Vertical						Fundamental																																																																																																																																								
Peak	 Level (dBuV/m) Frequency (MHz) PEAK_BE(B4)_16-24 Site : 03CH20-HY Condition: PEAK_BE(B4)_16-24 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5627.20</td><td>57.75</td><td>68.20</td><td>-10.45</td><td>49.03</td><td>33.11</td><td>13.53</td><td>37.92</td><td>0.00</td><td>395</td><td>0</td><td>395</td><td>0</td><td>PEAK</td></tr><tr><td>2</td><td>5650.14</td><td>53.50</td><td>68.30</td><td>-14.80</td><td>44.66</td><td>33.20</td><td>13.56</td><td>37.92</td><td>0.00</td><td>395</td><td>0</td><td>395</td><td>0</td><td>PEAK</td></tr><tr><td>3</td><td>5709.15</td><td>70.53</td><td>107.76</td><td>-37.23</td><td>61.19</td><td>33.62</td><td>13.64</td><td>37.92</td><td>0.00</td><td>395</td><td>0</td><td>395</td><td>0</td><td>PEAK</td></tr><tr><td>4</td><td>5720.07</td><td>72.08</td><td>110.95</td><td>-38.87</td><td>62.71</td><td>33.64</td><td>13.65</td><td>37.92</td><td>0.00</td><td>395</td><td>0</td><td>395</td><td>0</td><td>PEAK</td></tr></tbody></table>							Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1	5627.20	57.75	68.20	-10.45	49.03	33.11	13.53	37.92	0.00	395	0	395	0	PEAK	2	5650.14	53.50	68.30	-14.80	44.66	33.20	13.56	37.92	0.00	395	0	395	0	PEAK	3	5709.15	70.53	107.76	-37.23	61.19	33.62	13.64	37.92	0.00	395	0	395	0	PEAK	4	5720.07	72.08	110.95	-38.87	62.71	33.64	13.65	37.92	0.00	395	0	395	0	PEAK	 Level (dBuV/m) Frequency (MHz) PEAK(UNII) Site : 03CH20-HY Condition: PEAK(UNII)_3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5785.00</td><td>119.77</td><td>-----</td><td>-----</td><td>-----</td><td>109.95</td><td>34.00</td><td>13.74</td><td>37.92</td><td>0.00</td><td>395</td><td>0</td><td>395</td><td>0</td><td>PEAK</td></tr></tbody></table>						Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1	5785.00	119.77	-----	-----	-----	109.95	34.00	13.74	37.92	0.00	395	0	395	0	PEAK
		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																	
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Avg	Blank						 Level (dBuV/m) Frequency (MHz) AVG_54 Site : 03CH20-HY Condition: AVG_54 3m HF_91200_02360_241101 VERTICAL : RBW:1000.000kHz VBW:1.000kHz SMT:Auto <table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr></thead><tbody><tr><td>1</td><td>5785.00</td><td>113.36</td><td>-----</td><td>-----</td><td>-----</td><td>103.54</td><td>34.00</td><td>13.74</td><td>37.92</td><td>0.00</td><td>395</td><td>0</td><td>395</td><td>0</td><td>AVERAGE</td></tr></tbody></table>						Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg	1	5785.00	113.36	-----	-----	-----	103.54	34.00	13.74	37.92	0.00	395	0	395	0	AVERAGE																																																																																								
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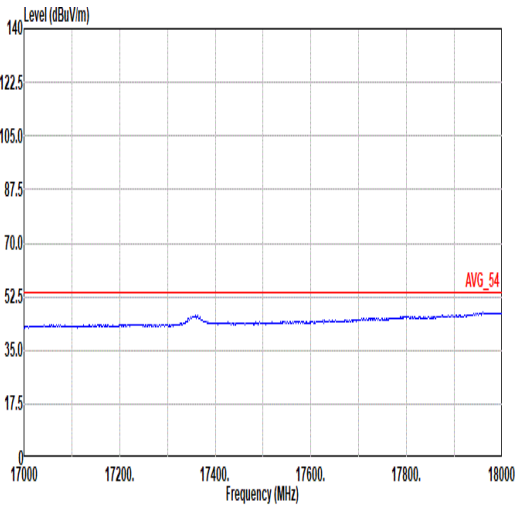
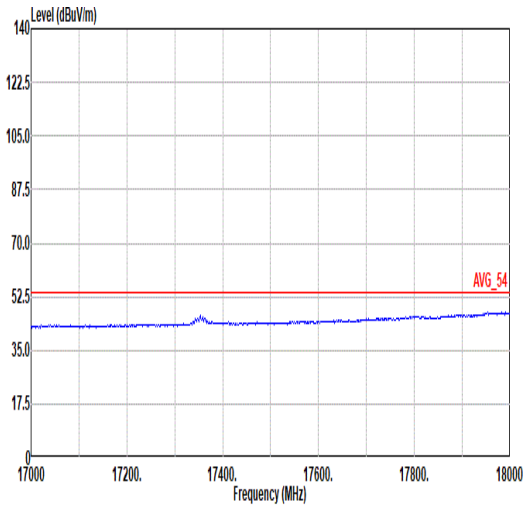


Mode	11																																																																							
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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																															
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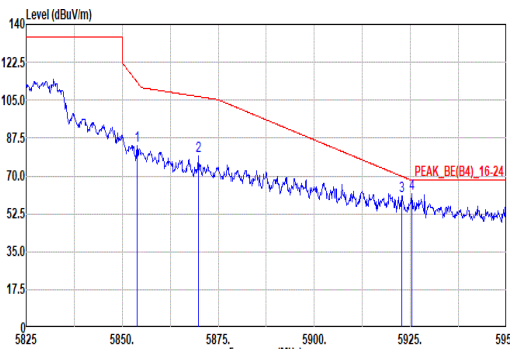
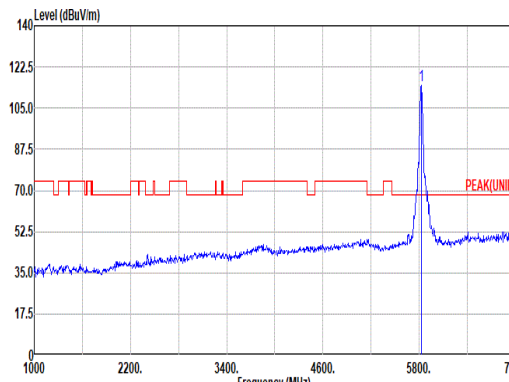
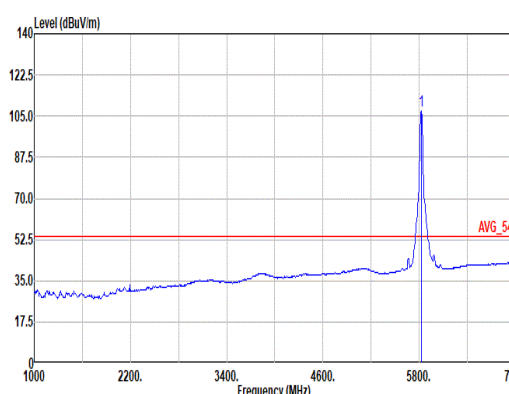


Mode	11																																																																																																																																													
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Peak Avg	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 HORIZONTAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11570.00</td><td>51.68</td><td>74.00</td><td>-22.32</td><td>35.15</td><td>38.82</td><td>19.53</td><td>42.53</td><td>0.71</td><td>100</td><td>8</td><td>PEAK</td></tr><tr><td>2</td><td>11570.00</td><td>42.24</td><td>54.00</td><td>-11.76</td><td>25.71</td><td>38.82</td><td>19.53</td><td>42.53</td><td>0.71</td><td>100</td><td>8</td><td>Average</td></tr><tr><td>3</td><td>17355.00</td><td>60.00</td><td>68.20</td><td>-8.20</td><td>40.13</td><td>39.82</td><td>24.14</td><td>44.71</td><td>0.62</td><td>215</td><td>203</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	11570.00	51.68	74.00	-22.32	35.15	38.82	19.53	42.53	0.71	100	8	PEAK	2	11570.00	42.24	54.00	-11.76	25.71	38.82	19.53	42.53	0.71	100	8	Average	3	17355.00	60.00	68.20	-8.20	40.13	39.82	24.14	44.71	0.62	215	203	PEAK	 Site : 03CH20-HY Condition: PEAK(UNII) 3m HF_91280_02360_241101 VERTICAL <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>11570.00</td><td>51.79</td><td>74.00</td><td>-22.21</td><td>35.26</td><td>38.82</td><td>19.53</td><td>42.53</td><td>0.71</td><td>111</td><td>338</td><td>PEAK</td></tr><tr><td>2</td><td>11570.00</td><td>43.11</td><td>54.00</td><td>-10.89</td><td>26.58</td><td>38.82</td><td>19.53</td><td>42.53</td><td>0.71</td><td>111</td><td>338</td><td>Average</td></tr><tr><td>3</td><td>17355.00</td><td>63.86</td><td>68.20</td><td>-4.34</td><td>43.99</td><td>39.82</td><td>24.14</td><td>44.71</td><td>0.62</td><td>308</td><td>169</td><td>PEAK</td></tr></table>		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor			MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	11570.00	51.79	74.00	-22.21	35.26	38.82	19.53	42.53	0.71	111	338	PEAK	2	11570.00	43.11	54.00	-10.89	26.58	38.82	19.53	42.53	0.71	111	338	Average	3	17355.00	63.86	68.20	-4.34	43.99	39.82	24.14	44.71	0.62	308	169	PEAK
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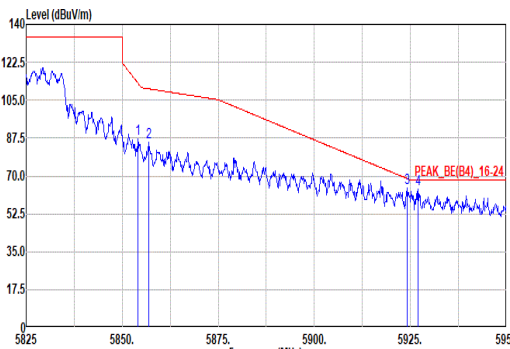
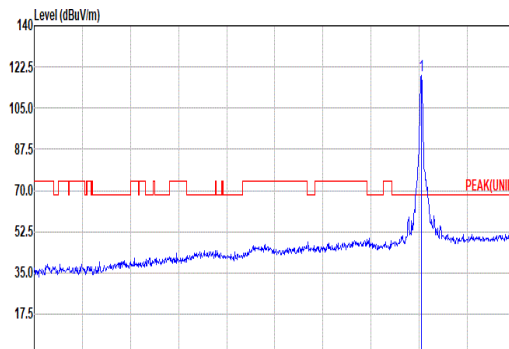
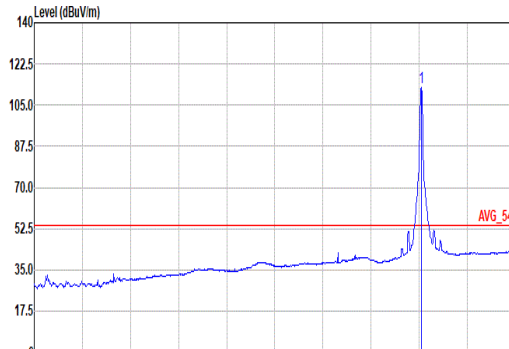


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	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH157_Full RU_5785MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL

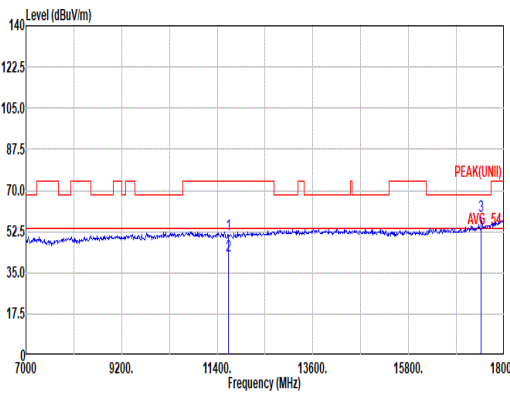
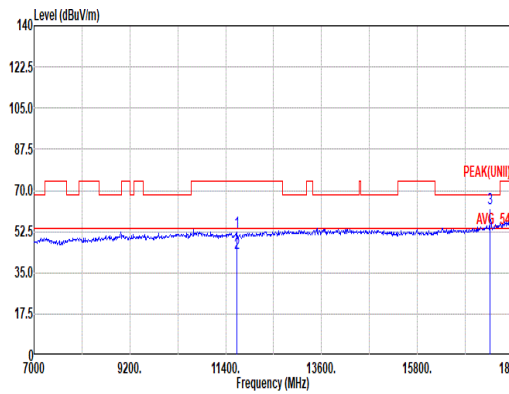


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Mode	Band Edge																																																																																																																							
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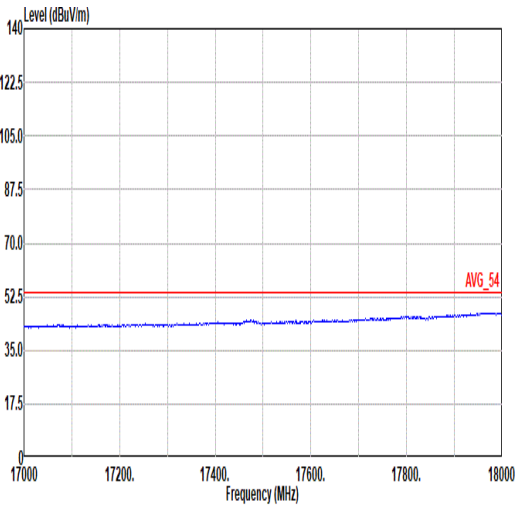
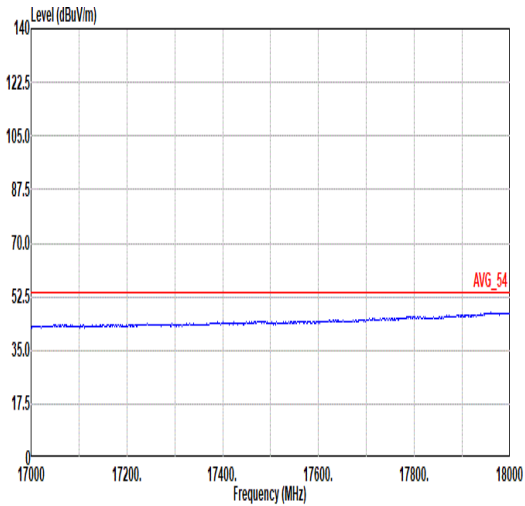


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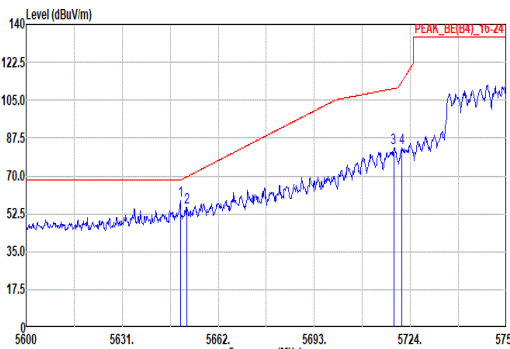
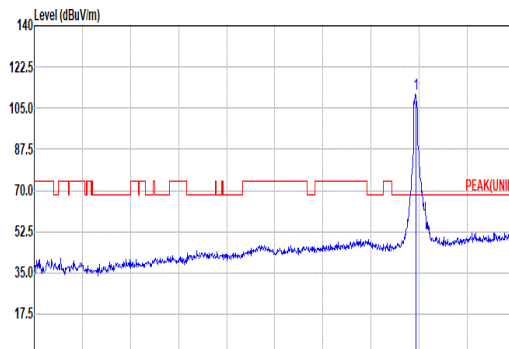
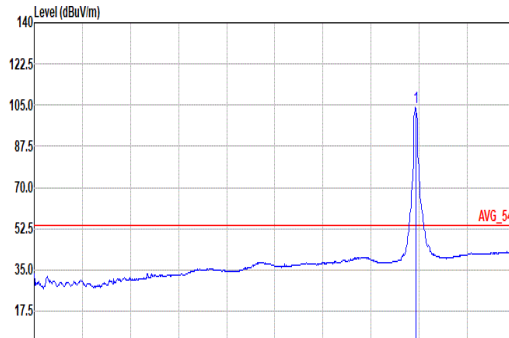


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	Harmonic	
	U-NII-3_5.725-5.85_802.11ax HE20_CH165_Full RU_5825MHz	
ANT	1+2 (CDD)	
Pol.	Horizontal	Vertical
17G ~18G Avg	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL	 Site : 03CH20-HY Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL



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