FCC RADIO TEST REPORT

FCC ID	:	**2AF77-H2521550**
Equipment	:	**Sync Module**
Model Name	:	**BSM00600U**
Applicant	:	**Immedia Semiconductor LLC. 100 Riverpark Drive Suite 125, North Reading, MA, United States 01864**
Standard	:	**FCC Part 15 Subpart C §15.247**

The product was received on Jan. 24, 2025 and testing was performed from Jan. 30, 2025 to Mar. 27, 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.

Louis Wu

Approved by: Louis Wu

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

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History of this test report

Report No.	Version	Description	Issue Date
FR512514B	01	Initial issue of report	Mar. 31, 2025

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	15.247(a)(2)	6dB Bandwidth	Pass	-
3.1	2.1049	99% Occupied Bandwidth	Pass	-
3.2	15.247(b)	Power Output Measurement	Pass	-
3.3	15.247(e)	Power Spectral Density	Pass	-
3.4	15.247(d)	Conducted Band Edges	Pass	-
		Conducted Spurious Emission	Pass	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	Pass	-
3.6	15.207	AC Conducted Emission	Pass	-
3.7	15.203	Antenna Requirement	Pass	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Keven Cheng

Report Producer: Dara Chiu

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs Bluetooth LE (1M, 2M, 125k and 500k), Wi-Fi 2.4GHz 802. b/g/n and LFR **Antenna Type** WLAN: Inverted F Antenna

Antenna information		
2400 MHz ~ 2483.5 MHz	Peak Gain (dBi)	3.00

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

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

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

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

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	TH05-HY, 03CH13-HY

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

FCC designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- FCC Part 15 Subpart C §15.247
- FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

2 Test Configuration of Equipment Under Test

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

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

2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		

2.2 Test Mode

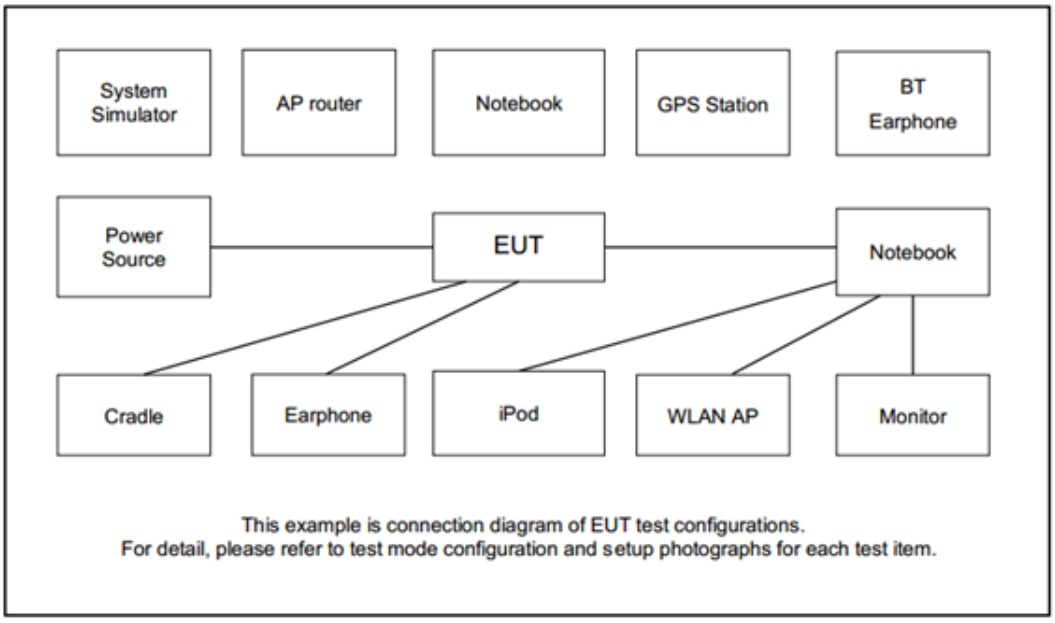
The final test modes include the worst data rates for each modulation shown in the table below.

Modulation	Data Rate
802.11b	**1 Mbps**
802.11g	**6 Mbps**
802.11n HT20	**MCS0**

Test Cases	
AC Conducted Emission	Mode 1 :WLAN (2.4GHz) Link + LFR Link + USB Cable (Charging from AC Adapter)
Remark: The detailed Radiated test modes are shown in Appendix C.	

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

2.3 Connection Diagram of Test System



2.4 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	Dell	Latitude 3420	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Mobile Phone	SAMSUNG	SM-A217F/DSN	N/A	N/A	N/A
4.	Camera	Amanon	Sedona	N/A	N/A	N/A

2.5 EUT Operation Test Setup

The RF test items, utility “ESP_Serial1.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example:
The spectrum analyzer offset is derived from RF cable loss and attenuator factor.
Offset = RF cable loss + attenuator factor.
Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).
= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 6dB and 99% Bandwidth Measurement

3.1.1 Limit of 6dB and 99% Bandwidth

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

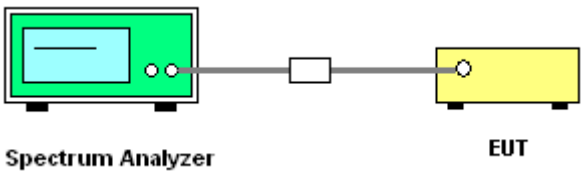
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 6.9.3 (OBW) and 11.8.1 (6dB BW).
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1-5% of the emission bandwidth and set the Video bandwidth (VBW) ≥ 3 * RBW.
6. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.

3.2 Output Power Measurement

3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5 MHz, the limit for output power is 30 dBm. If transmitting antenna with directional gain greater than 6 dBi is used, the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

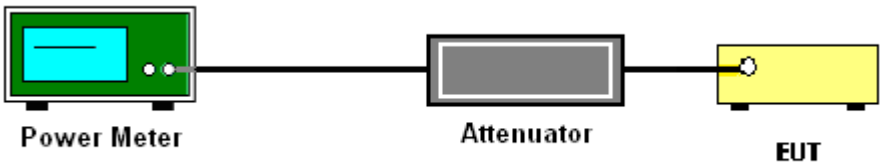
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

1. For Average Power, the testing follows ANSI C63.10 Section 11.9.2.3.2 Method AVGPM-G
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Measure the conducted output power and record the results in the test report.

3.2.4 Test Setup



3.2.5 Test Result of Average Output Power

Please refer to Appendix A.

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8 dBm in any 3 kHz band at any time interval of continuous transmission.

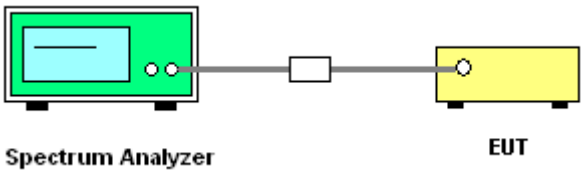
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.10.2 Method PKPSD.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.
7. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

3.4 Conducted Band Edges and Spurious Emission Measurement

3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement.

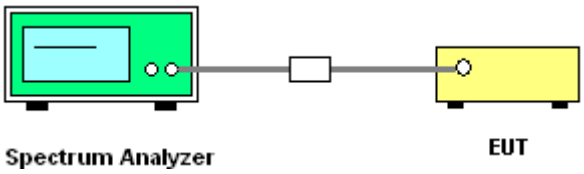
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.11.3 Emission level measurement.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

3.4.4 Test Setup



3.4.5 Test Result of Conducted Band Edges and Spurious Emission

Please refer to Appendix A.

3.5 Radiated Band Edges and Spurious Emission Measurement

3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device is measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the limits as below.

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

3.5.2 Measuring Instruments

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

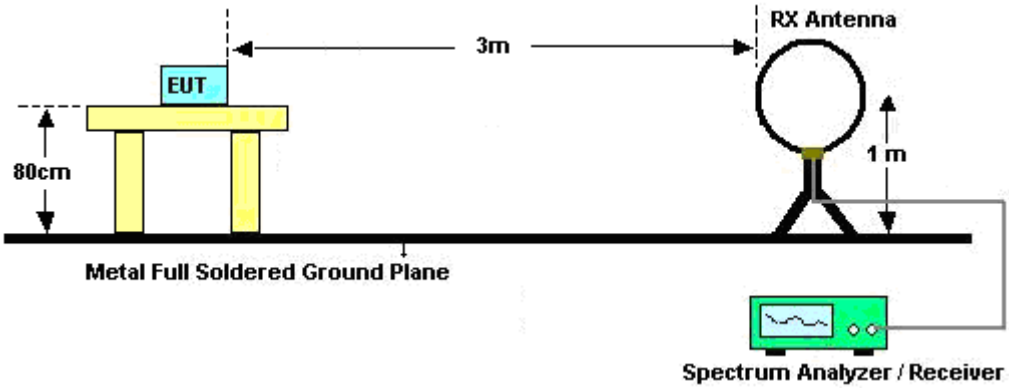
3.5.3 Test Procedures

1. The testing follows the ANSI C63.10 Section 11.12.1 Radiated emission measurements.
2. The EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. 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.
4. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
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 “-“.

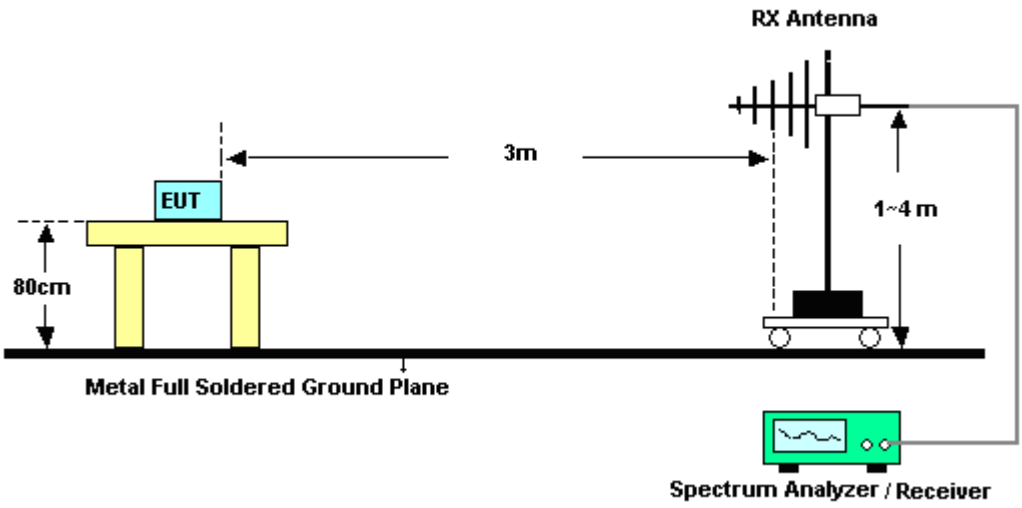
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as "-".
8. Use the following spectrum analyzer settings:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW = 100 kHz for f < 1 GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3 MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

3.5.4 Test Setup

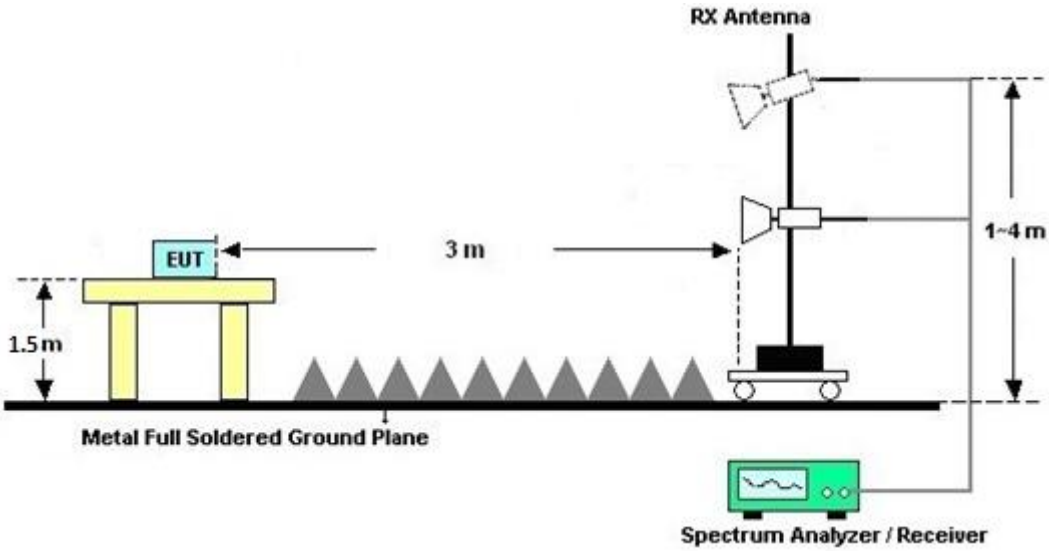
For radiated emissions below 30MHz



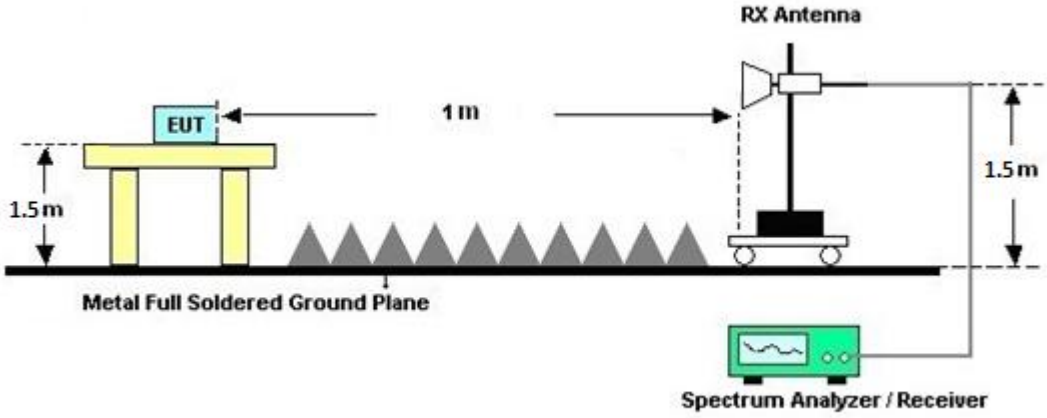
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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 comes out very similar.

3.5.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

3.5.7 Duty Cycle

Please refer to Appendix D.

3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C.

3.6 AC Conducted Emission Measurement

3.6.1 Limit of AC Conducted Emission

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

Frequency of Emission (MHz)	Conducted Limit (dBµV)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

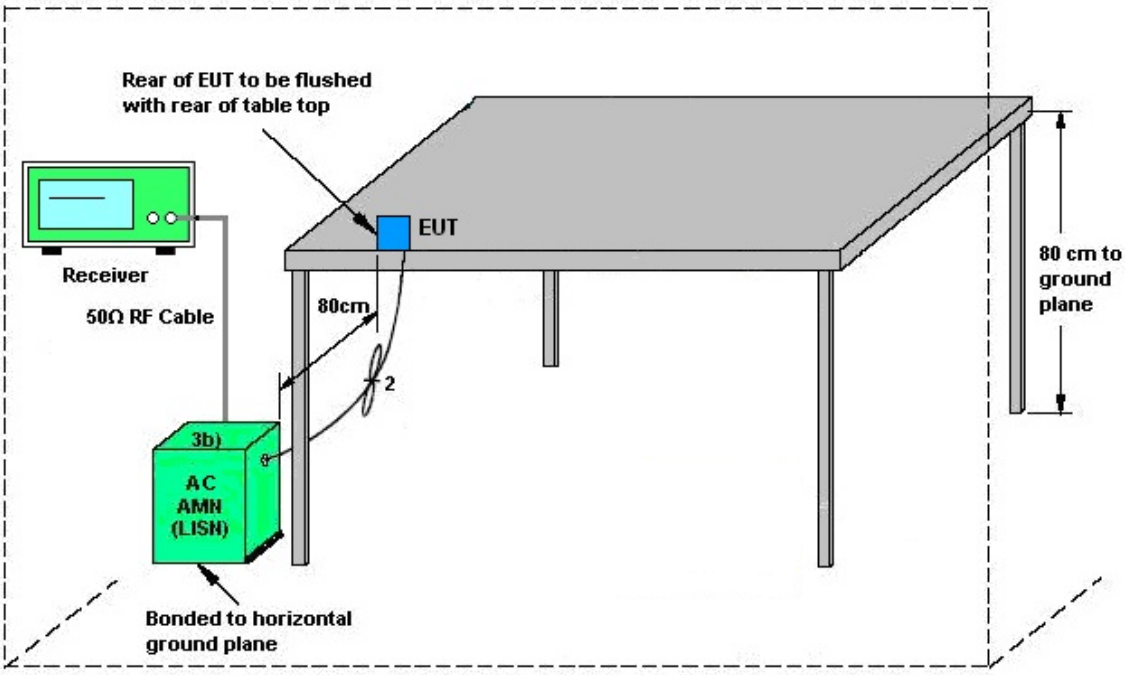
3.6.2 Measuring Instruments

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

3.6.3 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 (IF bandwidth = 9kHz) with Maximum Hold Mode.

3.6.4 Test Setup



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

3.6.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

3.7 Antenna Requirements

3.7.1 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.

3.7.2 Antenna Anti-Replacement Construction

Antenna permanently attached.

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 11, 2025	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	9kHz~3.6GHz	Dec. 10, 2024	Mar. 11, 2025	Dec. 09, 2025	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Oct. 14, 2024	Mar. 11, 2025	Oct. 13, 2025	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Nov. 14, 2024	Mar. 11, 2025	Nov. 13, 2025	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32	N/A	N/A	N/A	Mar. 11, 2025	N/A	Conduction (CO05-HY)
Pulse Limiter	SCHWARZBECK	VTSD 9561-F N	00691	N/A	Jul. 30, 2024	Mar. 11, 2025	Jul. 29, 2025	Conduction (CO05-HY)
LISN Cable	MVE	RG-400	MQT24082501	N/A	Oct. 15, 2024	Mar. 11, 2025	Oct. 14, 2025	Conduction (CO05-HY)
Hygrometer	TECPEL	DTM-303A	TP201996	N/A	Nov. 01, 2024	Feb. 02, 2025 ~ Mar. 27, 2025	Oct. 30, 2025	Conducted (TH05-HY)
Power Sensor	DARE	RPR3006W	15I00041SNO10 (NO:248)	10MHz~6GHz	Dec. 27, 2024	Feb. 02, 2025 ~ Mar. 27, 2025	Dec. 26, 2025	Conducted (TH05-HY)
Signal Analyzer	Rohde & Schwarz	FSV40	101566	10Hz~40GHz	Aug. 23, 2024	Feb. 02, 2025 ~ Mar. 27, 2025	Aug. 22, 2025	Conducted (TH05-HY)
Switch Control Mainframe	Burgeon	ETF-058	EC1300484 (BOX3)	N/A	May 20, 2024	Feb. 02, 2025 ~ Mar. 27, 2025	May 19, 2025	Conducted (TH05-HY)
Software	Sporton	BTWIFI_Final_version_240513	N/A	Conducted Other Test Item	N/A	Feb. 02, 2025 ~ Mar. 27, 2025	N/A	Conducted (TH05-HY)

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Aug. 29, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Aug. 28, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Jan. 30, 2025 ~ Mar. 04, 2025	Mar. 05, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 05, 2025	Mar. 05, 2025 ~ Mar. 25, 2025	Mar. 04, 2026	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA9170	00993	18GHz-40GHz	Nov. 18, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Nov. 17, 2025	Radiation (03CH13-HY)
Amplifier	SONOMA	310N	187282	9kHz~1GHz	Dec. 12, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Dec. 11, 2025	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N-06	40103 & 07	30MHz~1GHz	Apr. 12, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Apr. 11, 2025	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1326	1GHz~18GHz	Aug. 15, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Aug. 14, 2025	Radiation (03CH13-HY)
Hygrometer	TECPEL	DTM-303A	TP215159	N/A	Sep. 10, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Sep. 09, 2025	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1590074	1GHz~18GHz	May 15, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	May 14, 2025	Radiation (03CH13-HY)
Preamplifier	EM Electronics	EM01G18G	060803	1GHz-18GHz	Jan. 08, 2025	Jan. 30, 2025 ~ Mar. 25, 2025	Jan. 07, 2026	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	10Hz~44GHz	Jan. 11, 2025	Jan. 30, 2025 ~ Mar. 25, 2025	Jan. 10, 2026	Radiation (03CH13-HY)
Notch Filter	Wainwright	WLK4-1000-1530-8000-40SS	SN12	1.53GHz Low Pass Filter	Sep. 11, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Sep. 10, 2025	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-2700-3000-18000-60SS	SN2	3GHz High Pass Filter	Jul. 09, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Jul. 08, 2025	Radiation (03CH13-HY)
Notch Filter	Wainwright	WHKX12-900-1000-15000-60SS	SN12	1GHz High Pass Filter	Sep. 10, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Sep. 09, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 07, 2024	Jan. 30, 2025 ~ Feb. 05, 2025	Feb. 06, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 126E	0030/126E	30MHz~18GHz	Feb. 06, 2025	Feb. 06, 2025 ~ Mar. 25, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804616/2	30MHz~40GHz	Jul. 18, 2024	Jan. 30, 2025 ~ Feb. 05, 2025	Jul. 17, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804616/2	30MHz~40GHz	Feb. 06, 2025	Feb. 06, 2025 ~ Mar. 25, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 07, 2024	Jan. 30, 2025 ~ Feb. 05, 2025	Feb. 06, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY24961/4	30MHz~18GHz	Feb. 06, 2025	Feb. 06, 2025 ~ Mar. 25, 2025	Feb. 05, 2026	Radiation (03CH13-HY)
Controller	EMEC	EM1000	N/A	Control Turn table & Ant Mast	N/A	Jan. 30, 2025 ~ Mar. 25, 2025	N/A	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Jan. 30, 2025 ~ Mar. 25, 2025	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Jan. 30, 2025 ~ Mar. 25, 2025	N/A	Radiation (03CH13-HY)
Software	Audix	N/A	RK-001124	N/A	N/A	Jan. 30, 2025 ~ Mar. 25, 2025	N/A	Radiation (03CH13-HY)
Preamplifier	EMEC	EM18G40G	060801	18GHz~40GHz	May 27, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	May 26, 2025	Radiation (03CH13-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804011/2,804012/2	18-40G	Dec. 31, 2024	Jan. 30, 2025 ~ Mar. 25, 2025	Dec. 30, 2025	Radiation (03CH13-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))	6.30 dB

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.80 dB

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	5.10 dB

Appendix A. Test Result of Conducted Test Items

Test Engineer:	Benny Ku	Temperature:	21~25	°C
Test Date:	2025/2/2~2025/3/27	Relative Humidity:	51~54	%

Report Number : FR512514B

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band Single Antenna										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)		6dB BW (MHz)		6dB BW Limit (MHz)	Pass/Fail
					Ant1	Ant2	Ant1	Ant2		
11b	1Mbps	1	1	2412	12.98	-	9.55	-	0.50	Pass
11b	1Mbps	1	6	2437	12.97	-	10.05	-	0.50	Pass
11b	1Mbps	1	11	2462	13.00	-	10.08	-	0.50	Pass
11g	6Mbps	1	1	2412	16.63	-	16.35	-	0.50	Pass
11g	6Mbps	1	6	2437	16.75	-	16.35	-	0.50	Pass
11g	6Mbps	1	11	2462	16.63	-	16.35	-	0.50	Pass
HT20	MCS0	1	1	2412	17.42	-	17.04	-	0.50	Pass
HT20	MCS0	1	6	2437	17.45	-	17.07	-	0.50	Pass
HT20	MCS0	1	11	2462	17.42	-	17.05	-	0.50	Pass

Report Number : FR512514B

TEST RESULTS DATA
Average Output Power

2.4GHz Band Single Antenna																
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Average Conducted Power (dBm)			Conducted Power Limit (dBm)		DG (dBi)		EIRP Power (dBm)		EIRP Power Limit (dBm)		Pass /Fail
					Ant1	Ant2	SUM	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	15.80	-		30.00	-	3.00	-	18.80	-	36.00	-	Pass
11b	1Mbps	1	6	2437	16.85	-		30.00	-	3.00	-	19.85	-	36.00	-	Pass
11b	1Mbps	1	11	2462	16.40	-		30.00	-	3.00	-	19.40	-	36.00	-	Pass
11g	6Mbps	1	1	2412	11.55	-		30.00	-	3.00	-	14.55	-	36.00	-	Pass
11g	6Mbps	1	2	2417	15.00	-		30.00	-	3.00	-	18.00	-	36.00	-	Pass
11g	6Mbps	1	6	2437	16.32	-		30.00	-	3.00	-	19.32	-	36.00	-	Pass
11g	6Mbps	1	10	2457	15.26	-		30.00	-	3.00	-	18.26	-	36.00	-	Pass
11g	6Mbps	1	11	2462	12.66	-		30.00	-	3.00	-	15.66	-	36.00	-	Pass
HT20	MCS0	1	1	2412	12.90	-		30.00	-	3.00	-	15.90	-	36.00	-	Pass
HT20	MCS0	1	6	2437	15.61	-		30.00	-	3.00	-	18.61	-	36.00	-	Pass
HT20	MCS0	1	11	2462	12.85	-		30.00	-	3.00	-	15.85	-	36.00	-	Pass

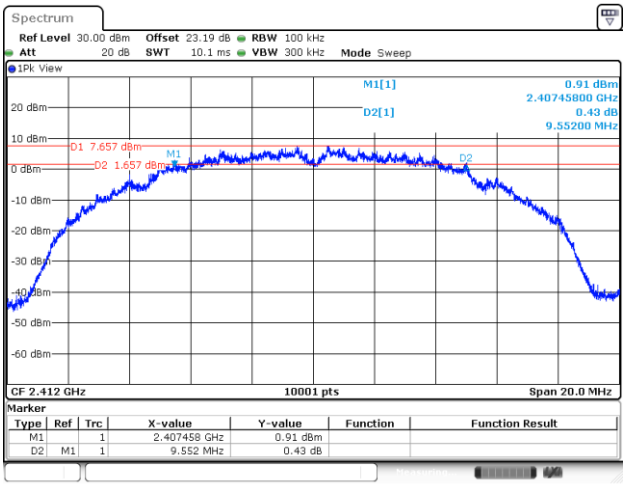
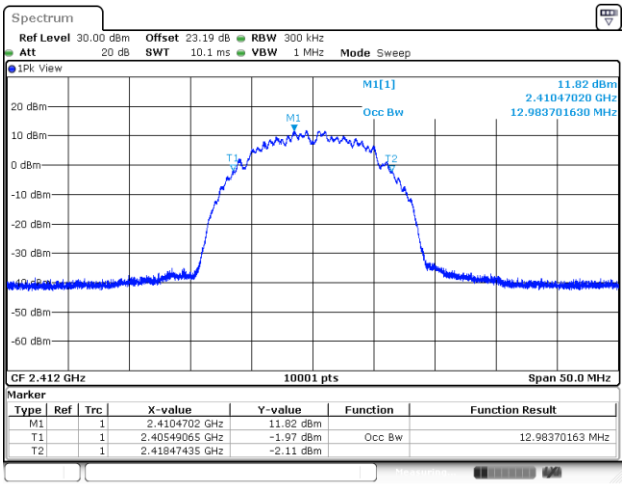
Report Number : FR512514B

TEST RESULTS DATA
Peak Power Spectral Density

2.4GHz Band Single Antenna												
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm/3kHz)			DG (dBi)		Peak PSD Limit (dBm/3kHz)		Pass/Fail
					Ant1	Ant2	Worse + 3.01	Ant1	Ant2	Ant1	Ant2	
11b	1Mbps	1	1	2412	-6.13	-		3.00	-	8.00	-	Pass
11b	1Mbps	1	6	2437	-5.89	-		3.00	-	8.00	-	Pass
11b	1Mbps	1	11	2462	-6.85	-		3.00	-	8.00	-	Pass
11g	6Mbps	1	1	2412	-14.57	-		3.00	-	8.00	-	Pass
11g	6Mbps	1	2	2417	-11.64	-		3.00	-	8.00	-	Pass
11g	6Mbps	1	6	2437	-9.41	-		3.00	-	8.00	-	Pass
11g	6Mbps	1	10	2457	-11.63	-		3.00	-	8.00	-	Pass
11g	6Mbps	1	11	2462	-13.79	-		3.00	-	8.00	-	Pass
HT20	MCS0	1	1	2412	-12.79	-		3.00	-	8.00	-	Pass
HT20	MCS0	1	6	2437	-9.79	-		3.00	-	8.00	-	Pass
HT20	MCS0	1	11	2462	-12.52	-		3.00	-	8.00	-	Pass

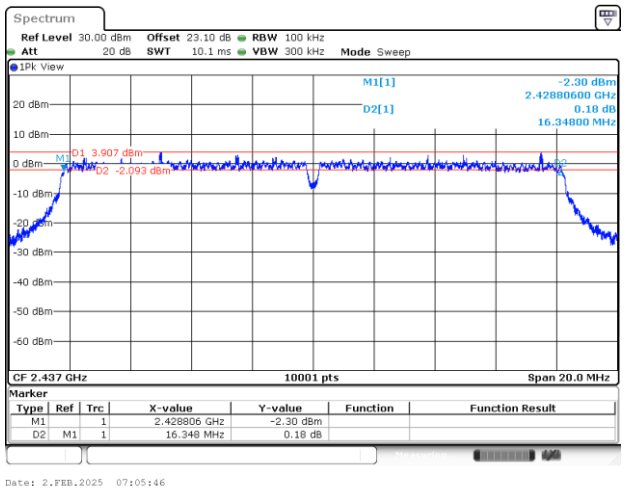
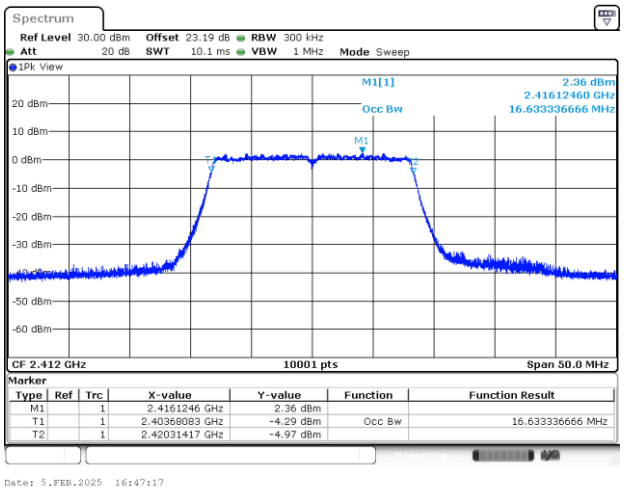
6dB and 99% Occupied Bandwidth

<802.11b>

6dB Bandwidth	99% Occupied Bandwidth
	

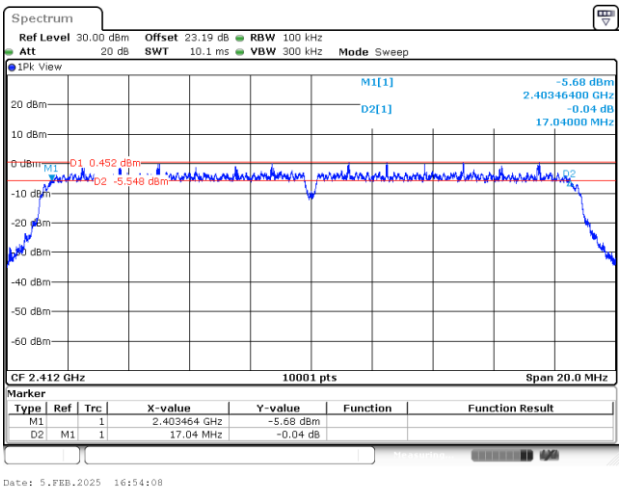
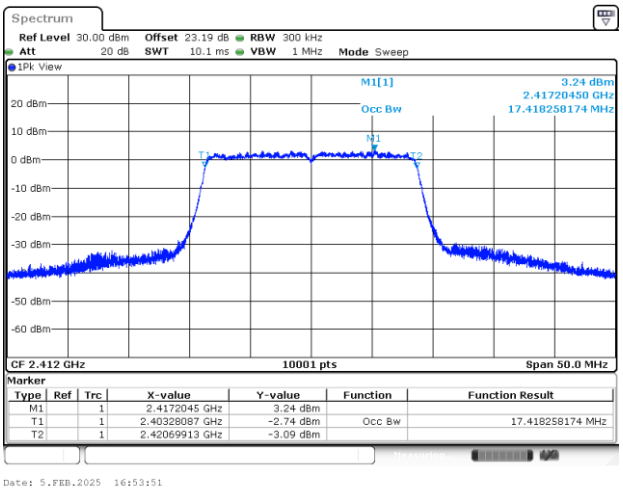
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<802.11g>

6dB Bandwidth	99% Occupied Bandwidth
	

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

<802.11n HT20>

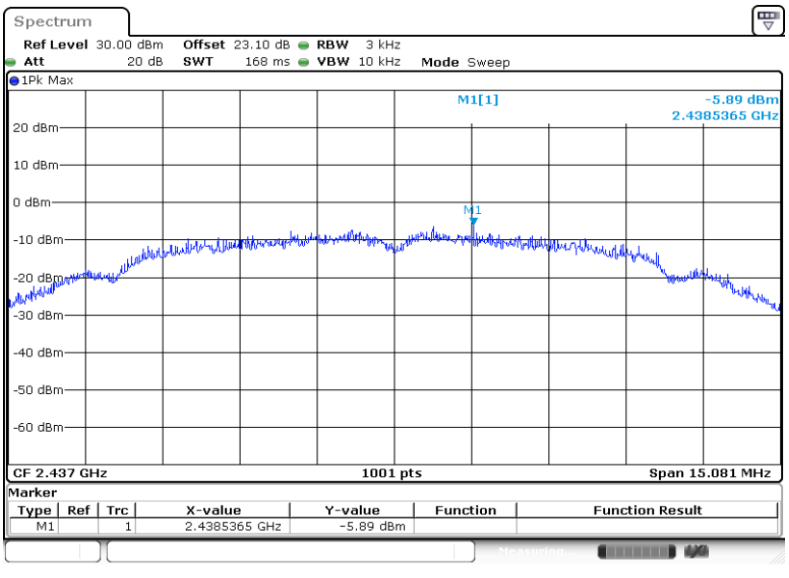
6dB Bandwidth	99% Occupied Bandwidth
	

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

Power Spectral Density(dBm/3kHz)

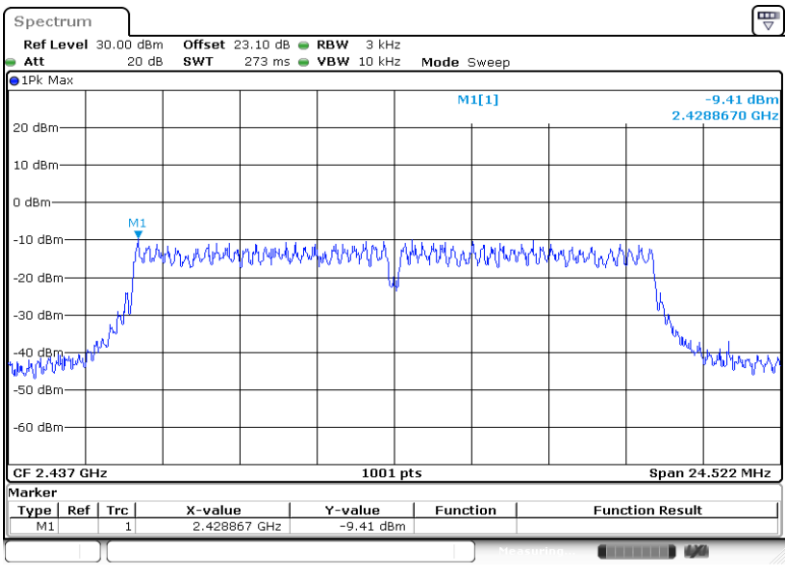
<802.11b>

Worst Case Power Density (dBm/3kHz)



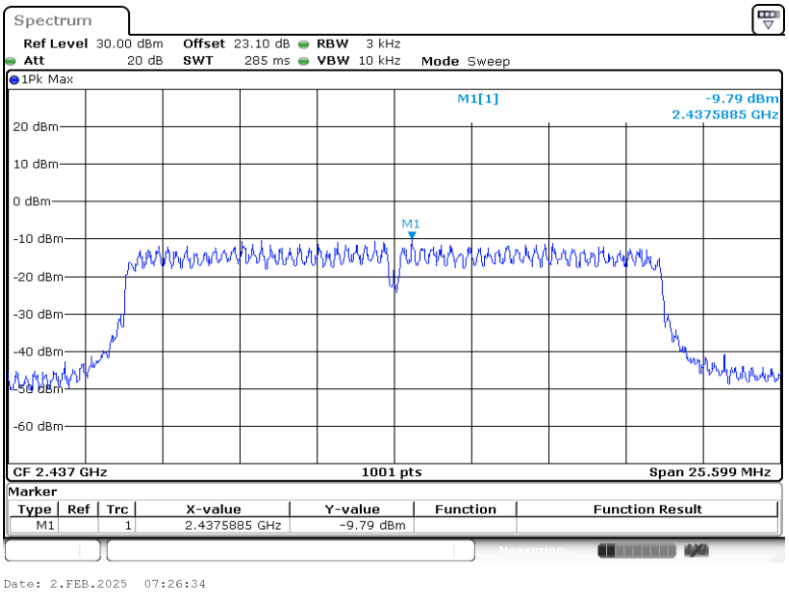
<802.11g>

Worst Case Power Density (dBm/3kHz)



<802.11n HT20>

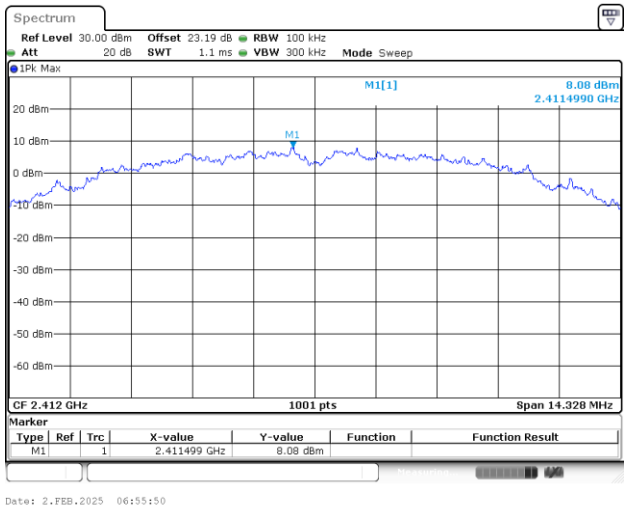
Worst Case Power Density (dBm/3kHz)



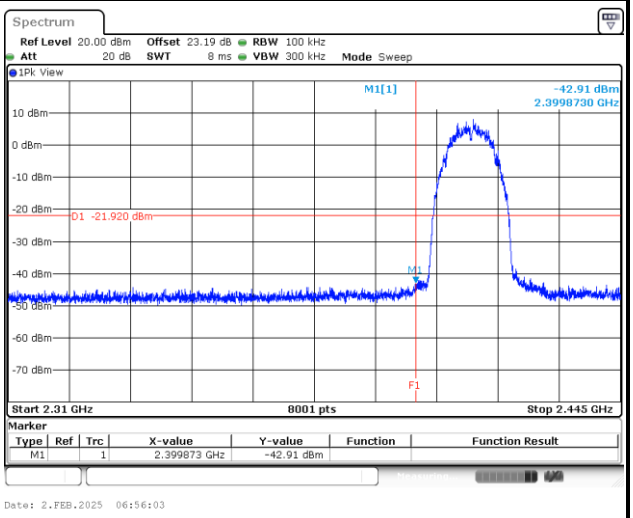
Band Edges and Spurious Emission

Test Mode :	802.11b	Test Channel :	01

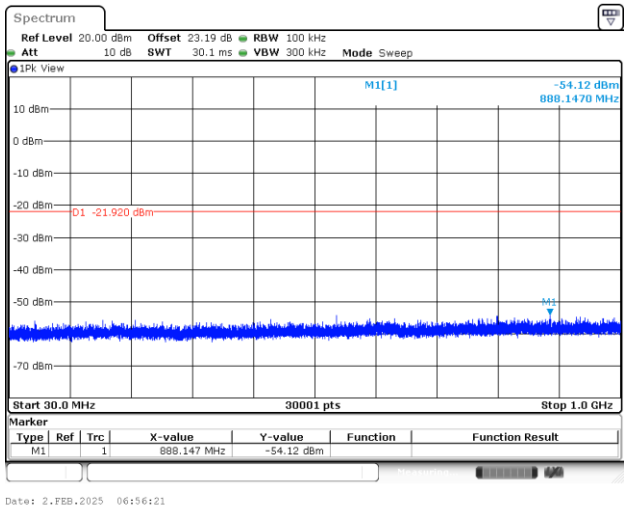
100kHz PSD reference Level



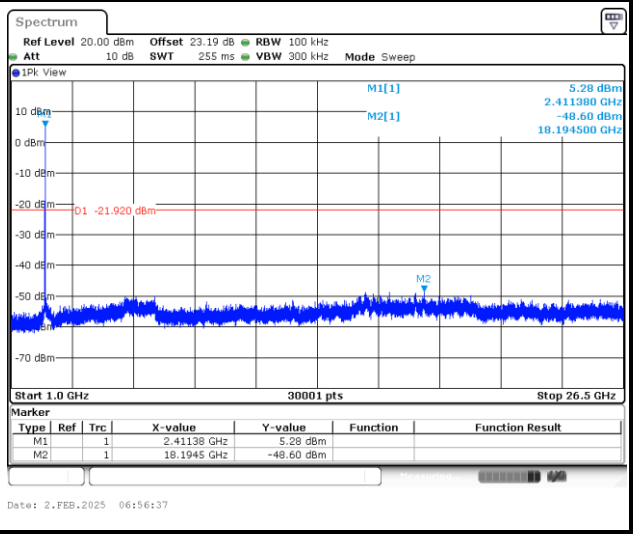
Channel 01 Plot



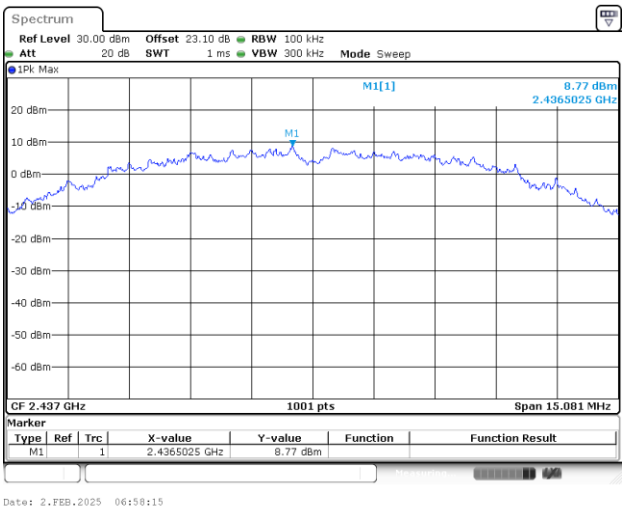
Spurious Emission 30MHz~1GHz

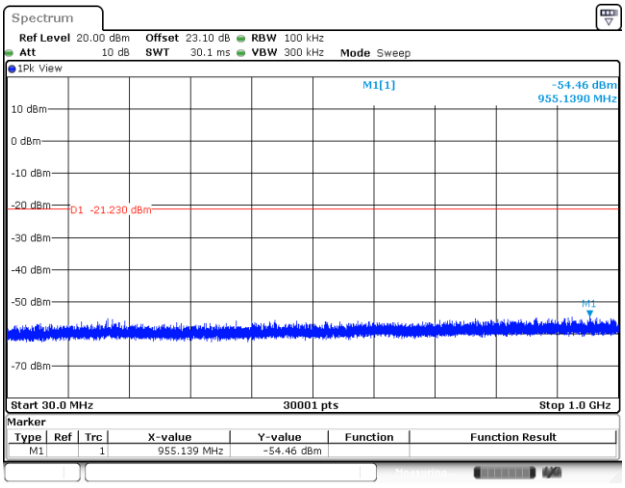
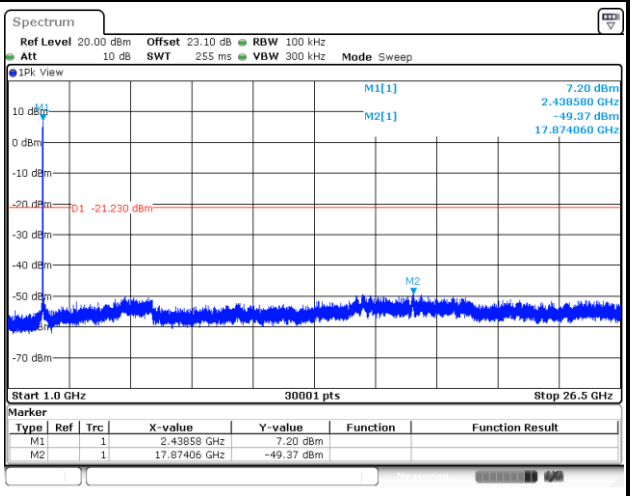


Spurious Emission 1GHz~26.5GHz

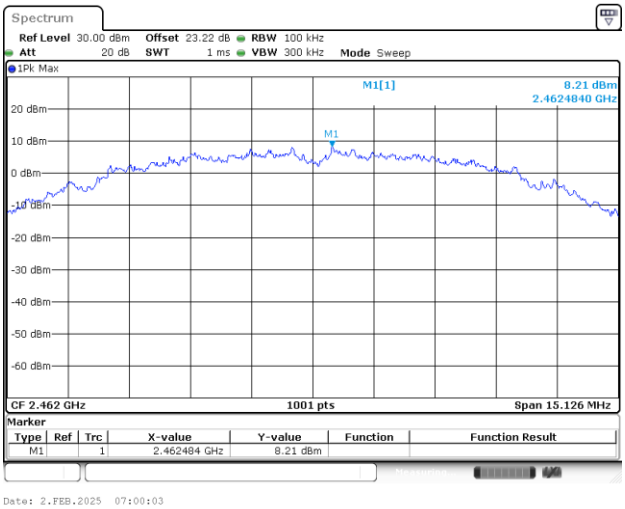
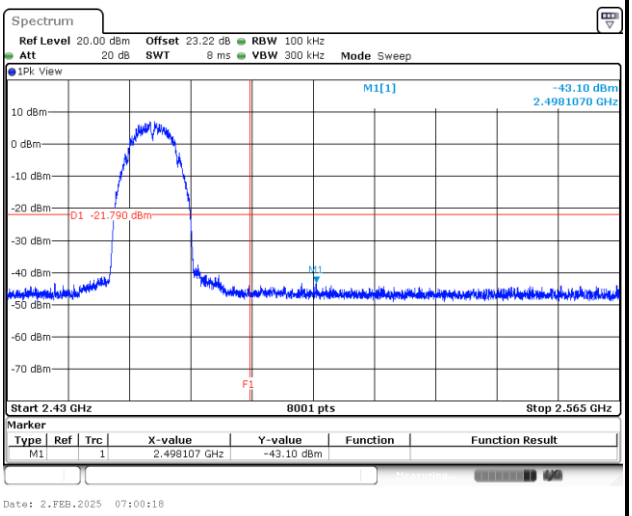
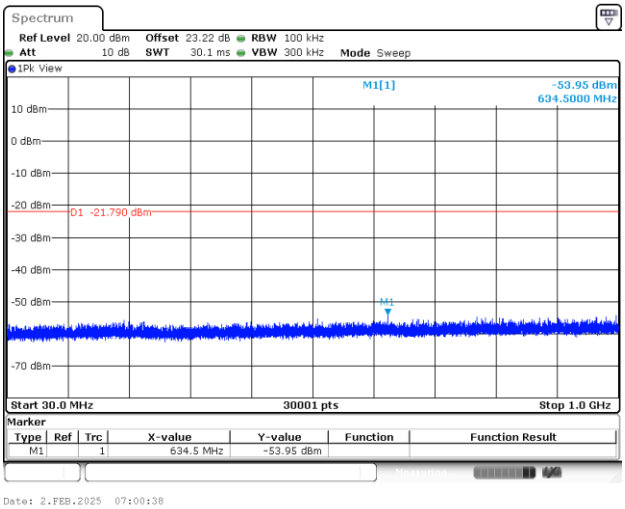
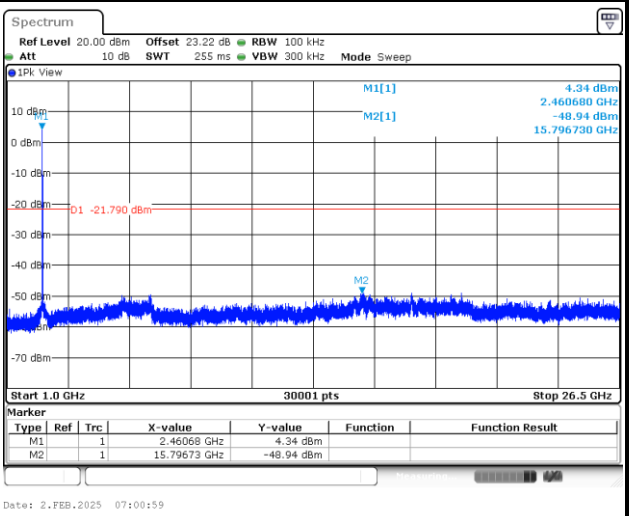


Test Mode :	802.11b	Test Channel :	06

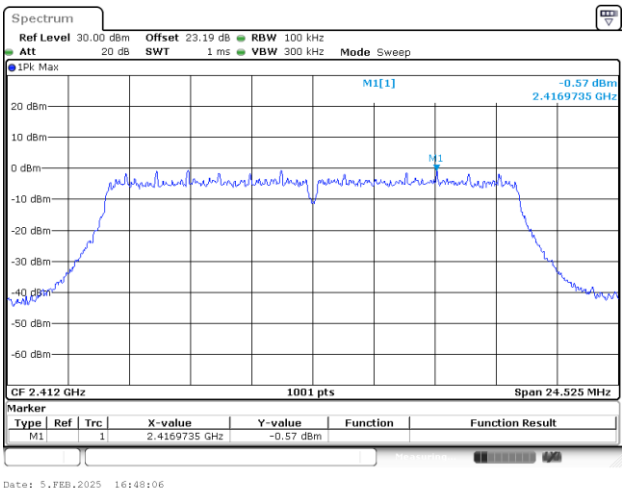
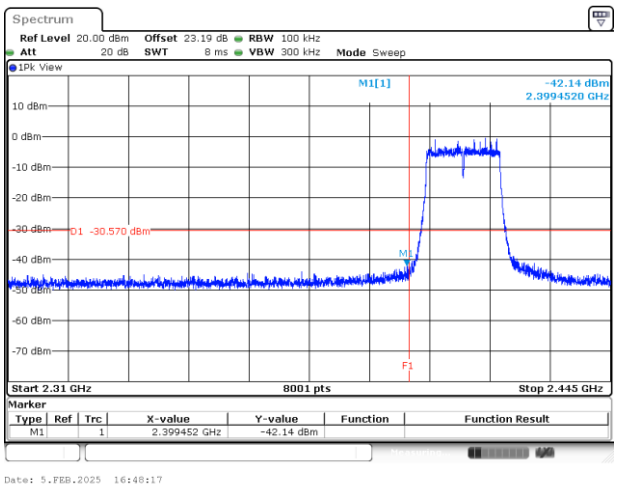
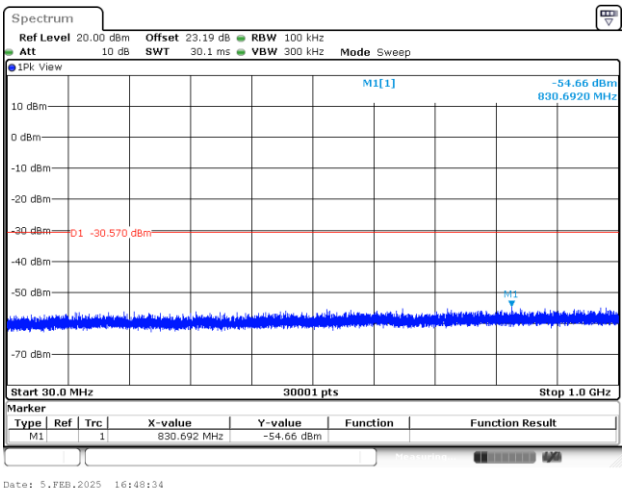
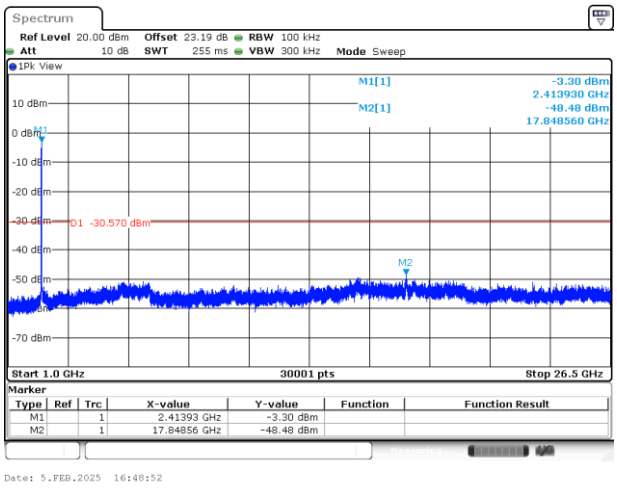
100kHz PSD reference Level	Channel 06 Plot
	

Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

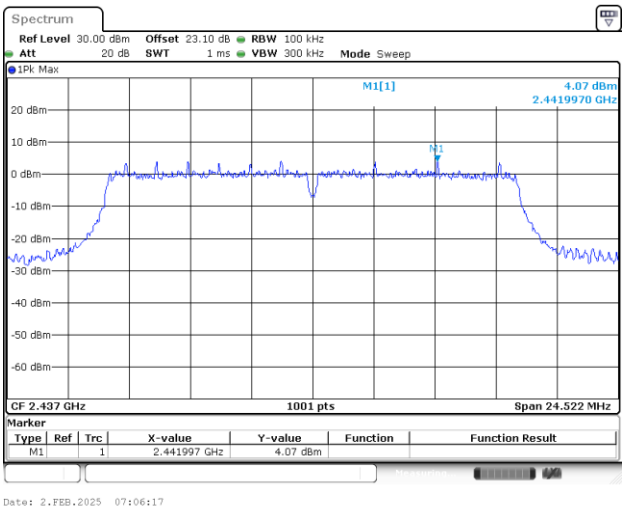
Test Mode :	802.11b	Test Channel :	11

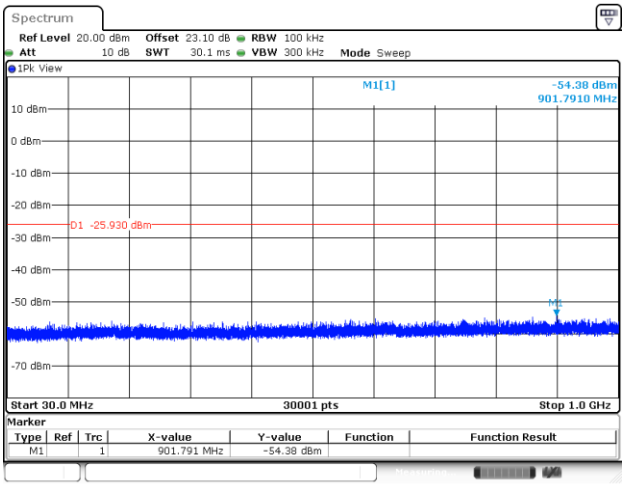
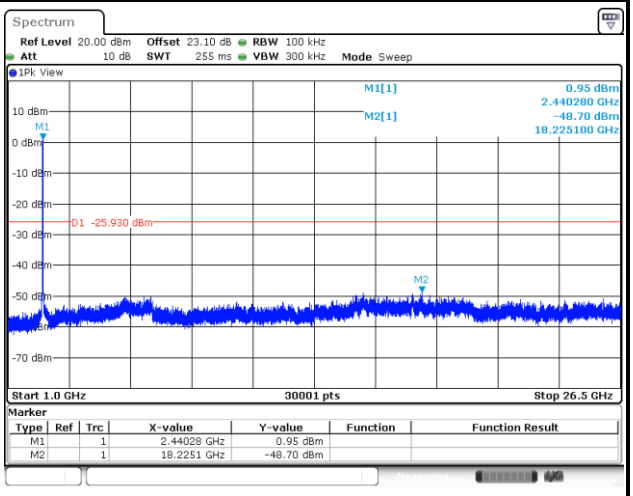
100kHz PSD reference Level	Channel 11 Plot
	
Spurious Emission 30MHz~1GHz	**Spurious Emission 1GHz~26.5GHz**
	

Test Mode :	802.11g	Test Channel :	01

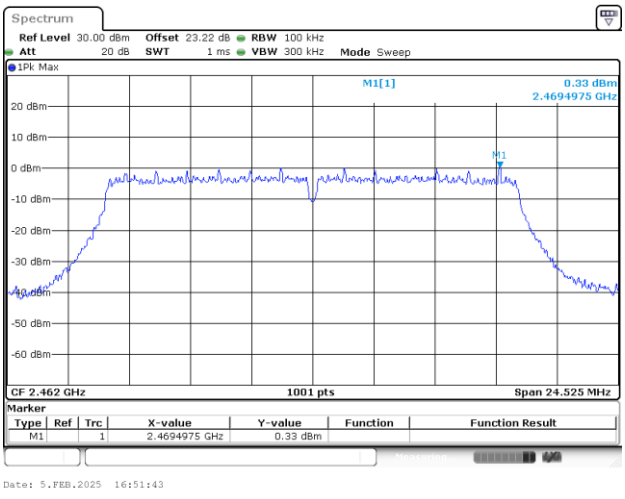
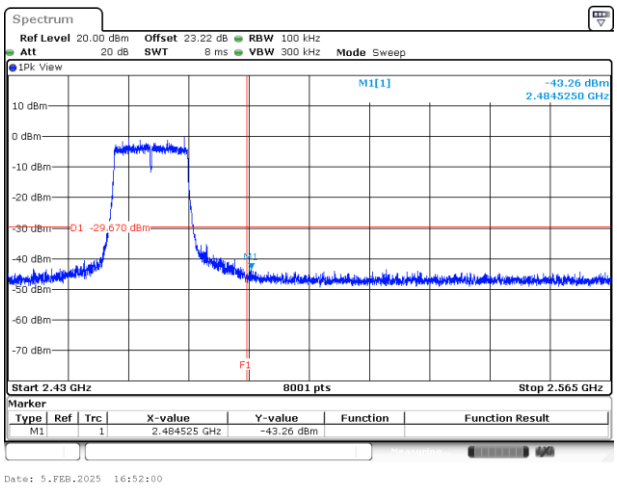
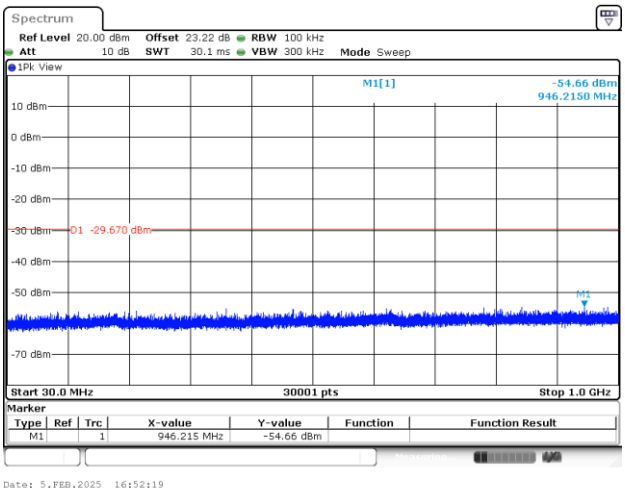
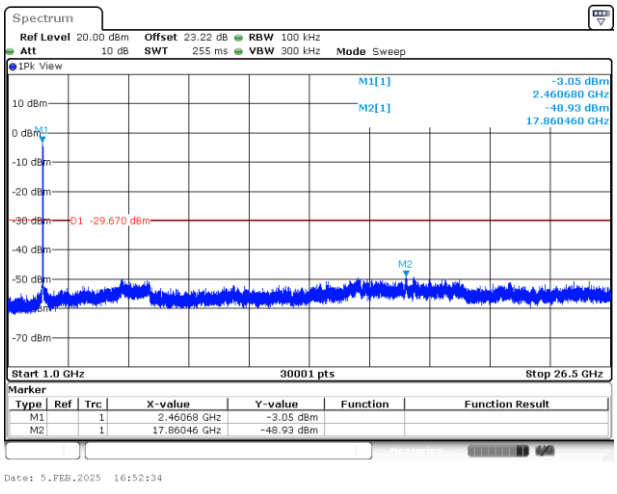
100kHz PSD reference Level	Channel 01 Plot
	
Spurious Emission 30MHz~1GHz	**Spurious Emission 1GHz~26.5GHz**
	

Test Mode :	802.11g	Test Channel :	06

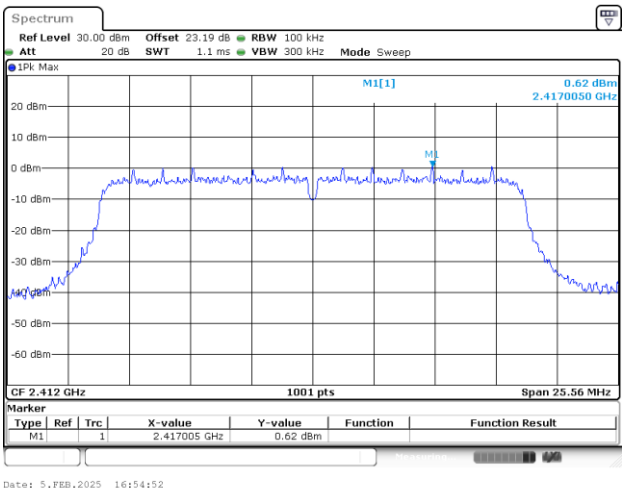
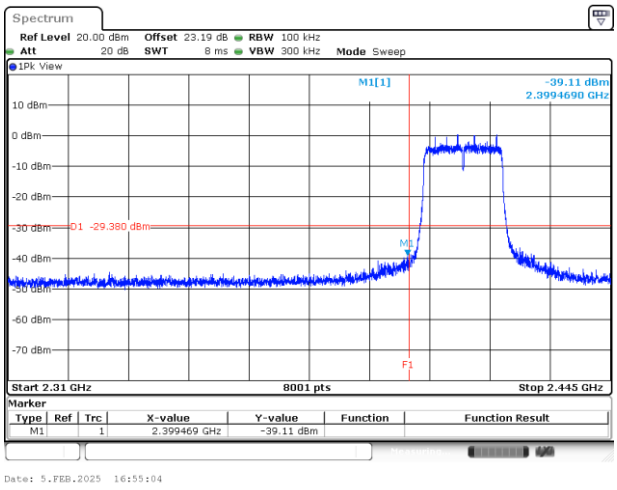
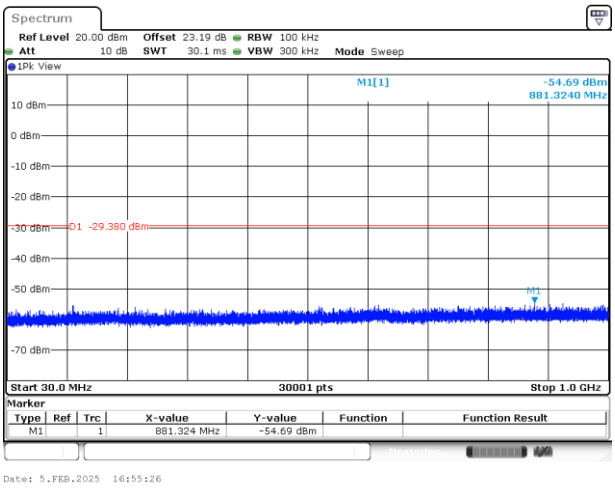
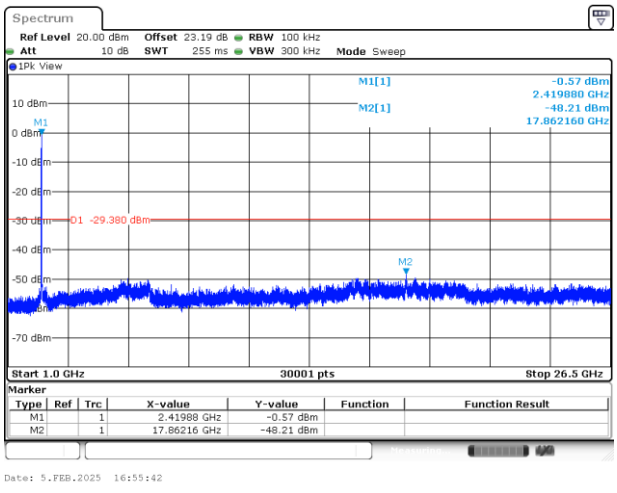
100kHz PSD reference Level	Channel 06 Plot
	

Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

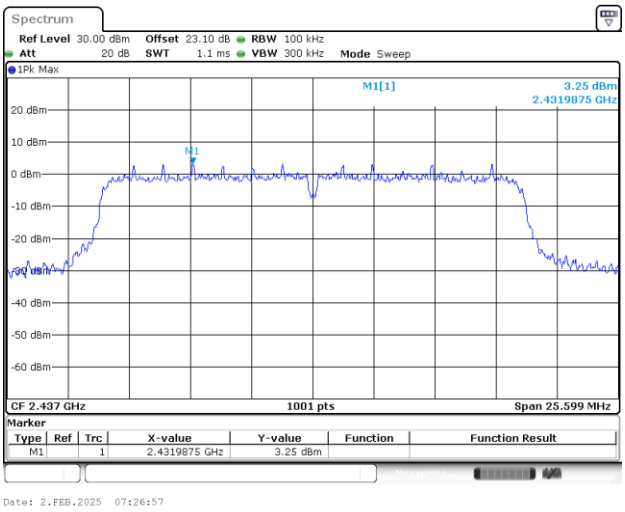
Test Mode :	802.11g	Test Channel :	11

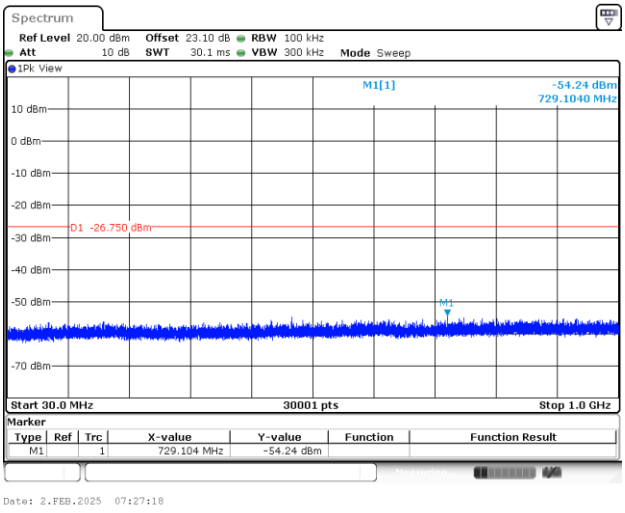
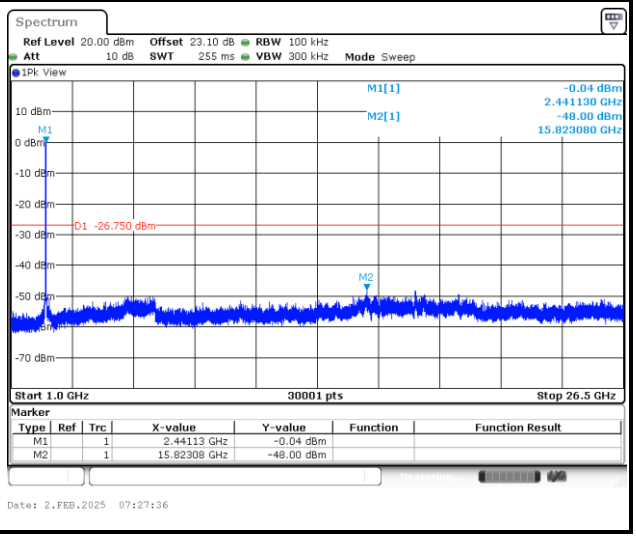
100kHz PSD reference Level	Channel 11 Plot
	
Spurious Emission 30MHz~1GHz	**Spurious Emission 1GHz~26.5GHz**
	

Test Mode :	802.11n HT20	Test Channel :	01

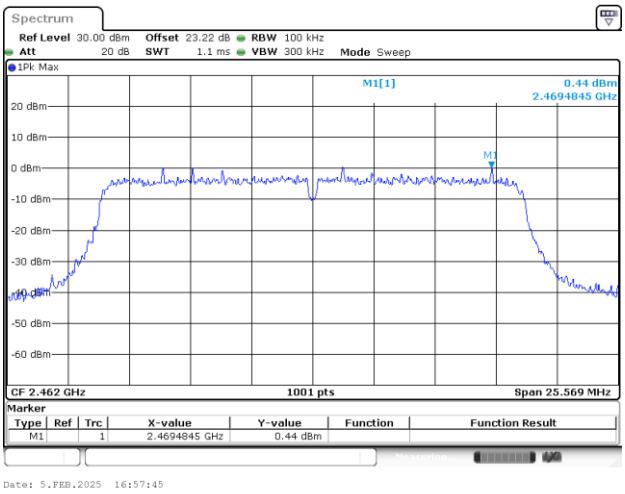
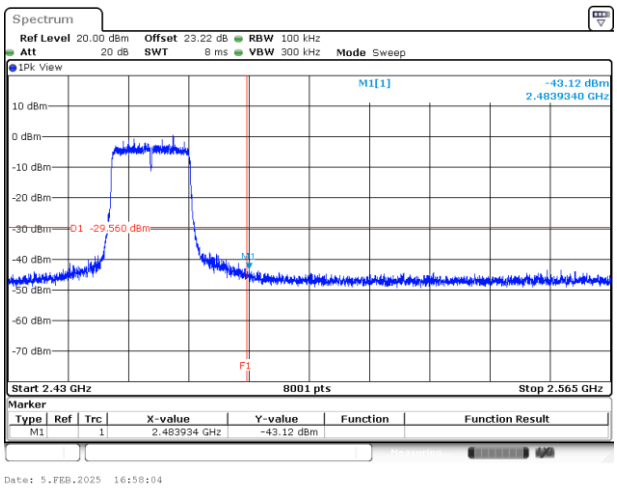
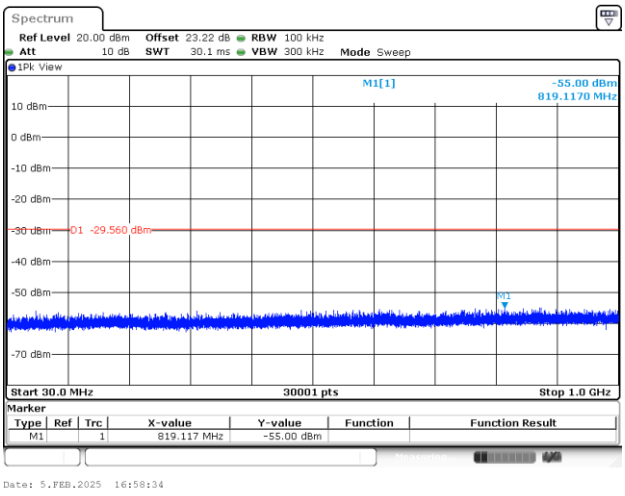
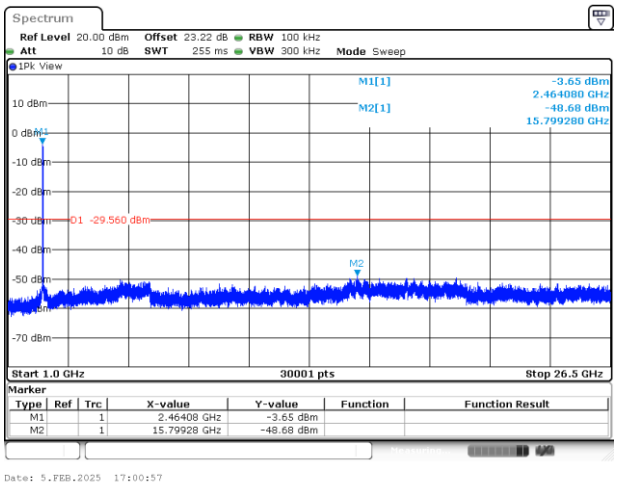
100kHz PSD reference Level	Channel 01 Plot
	
Spurious Emission 30MHz~1GHz	**Spurious Emission 1GHz~26.5GHz**
	

Test Mode :	802.11n HT20	Test Channel :	06

100kHz PSD reference Level	Channel 06 Plot
	

Spurious Emission 30MHz~1GHz	Spurious Emission 1GHz~26.5GHz
	

Test Mode :	802.11n HT20	Test Channel :	11

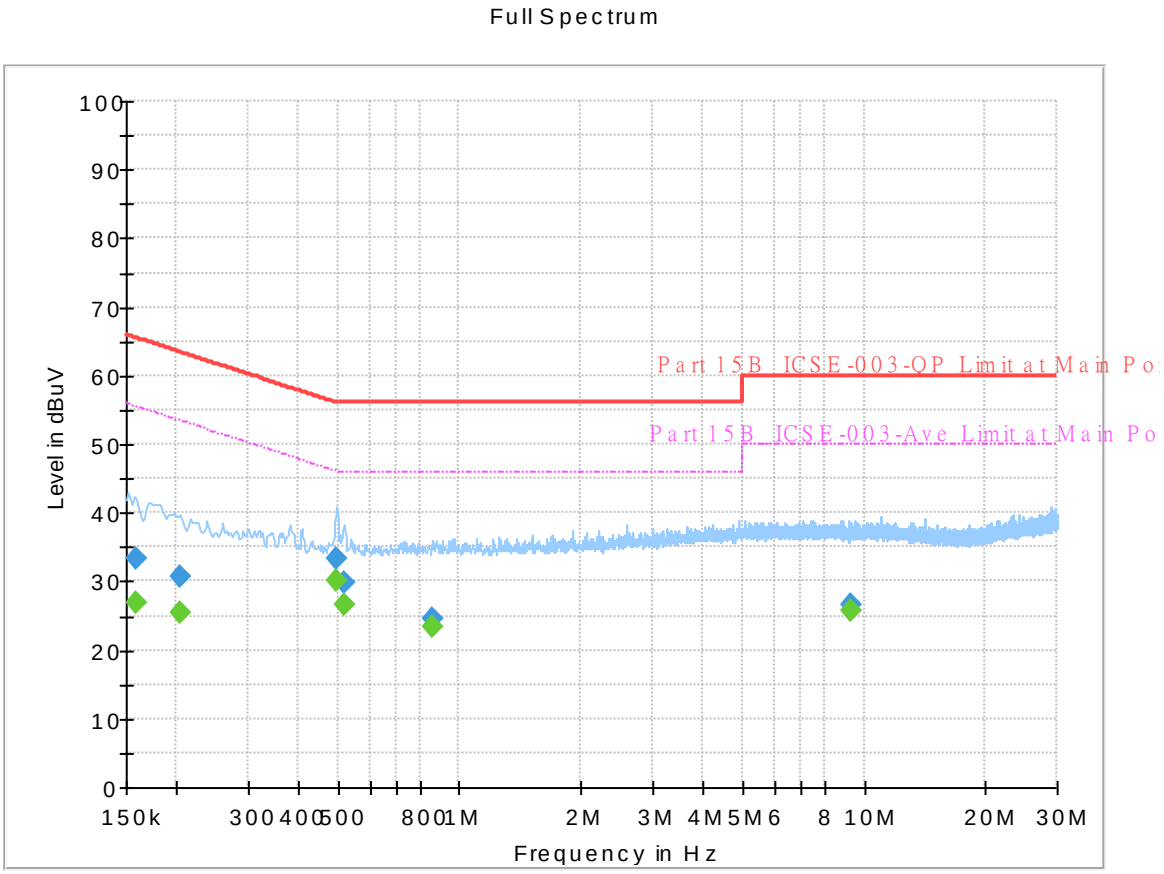
100kHz PSD reference Level	Channel 11 Plot
	
Spurious Emission 30MHz~1GHz	**Spurious Emission 1GHz~26.5GHz**
	

Appendix B. AC Conducted Emission Test Results

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

EUT Information

Report NO :	512514
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Line

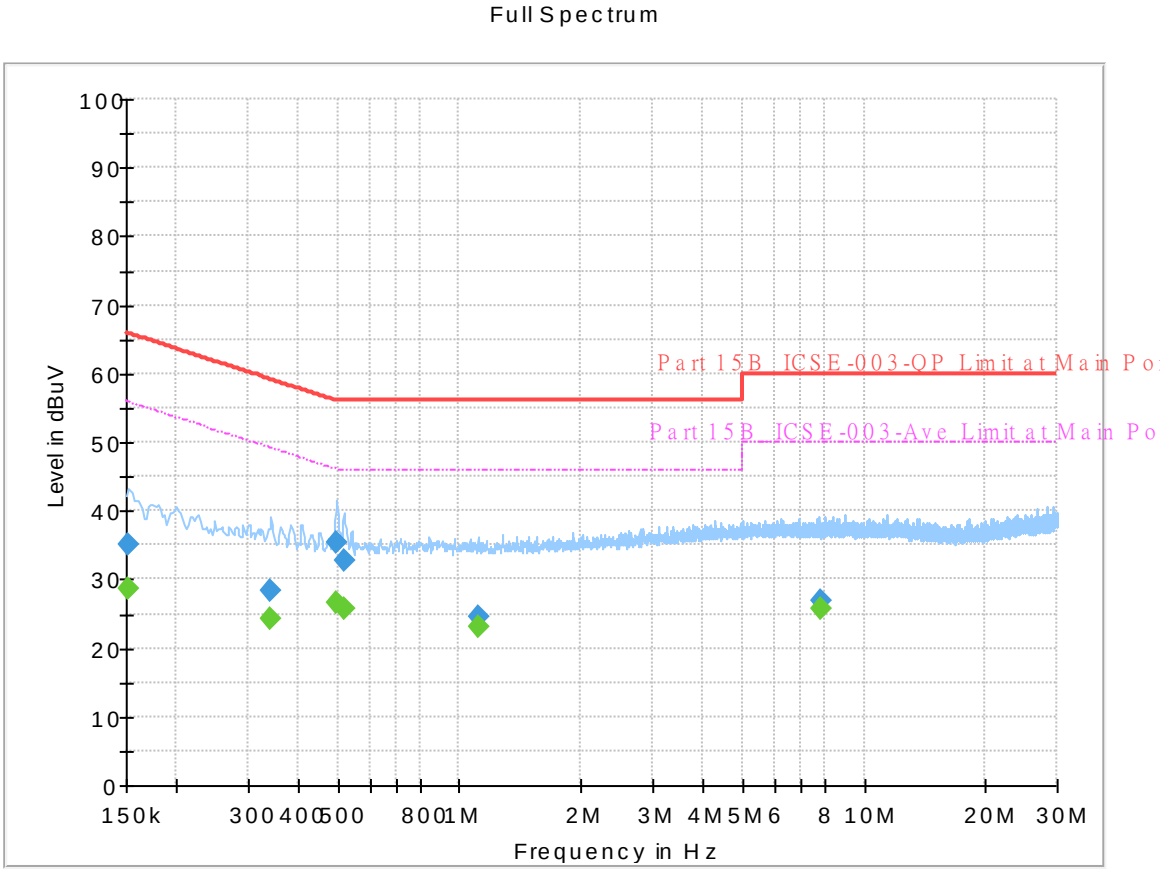


Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.159000	---	27.02	55.52	28.50	L1	OFF	19.8
0.159000	33.33	---	65.52	32.19	L1	OFF	19.8
0.204000	---	25.44	53.45	28.01	L1	OFF	19.8
0.204000	30.68	---	63.45	32.77	L1	OFF	19.8
0.498750	---	30.12	46.02	15.90	L1	OFF	19.8
0.498750	33.34	---	56.02	22.68	L1	OFF	19.8
0.521250	---	26.50	46.00	19.50	L1	OFF	19.8
0.521250	29.81	---	56.00	26.19	L1	OFF	19.8
0.854250	---	23.27	46.00	22.73	L1	OFF	19.8
0.854250	24.65	---	56.00	31.35	L1	OFF	19.8
9.249000	---	25.65	50.00	24.35	L1	OFF	20.2
9.249000	26.73	---	60.00	33.27	L1	OFF	20.2

EUT Information

Report NO :	512514
Test Mode :	Mode 1
Test Voltage :	120Vac/60Hz
Phase :	Neutral



Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Line	Filter	Corr. (dB)
0.152250	---	28.68	55.88	27.20	N	OFF	19.8
0.152250	35.08	---	65.88	30.80	N	OFF	19.8
0.341250	---	24.22	49.17	24.95	N	OFF	19.8
0.341250	28.32	---	59.17	30.85	N	OFF	19.8
0.496500	---	26.73	46.06	19.33	N	OFF	19.8
0.496500	35.37	---	56.06	20.69	N	OFF	19.8
0.516750	---	25.67	46.00	20.33	N	OFF	19.8
0.516750	32.69	---	56.00	23.31	N	OFF	19.8
1.108500	---	23.20	46.00	22.80	N	OFF	19.8
1.108500	24.43	---	56.00	31.57	N	OFF	19.8
7.784250	---	25.62	50.00	24.38	N	OFF	20.2
7.784250	26.92	---	60.00	33.08	N	OFF	20.2

Appendix C. Radiated Spurious Emission Test Data

Test Engineer:	Rain Lee, Jacky Hong, White Hou	Temperature:	20 ~ 26 ℃
		Relative Humidity:	40 ~ 65 ％

Note symbol

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

C1. Radiated Spurious Emission Test Modes

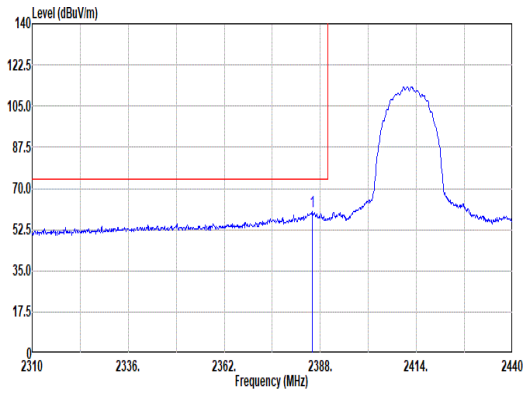
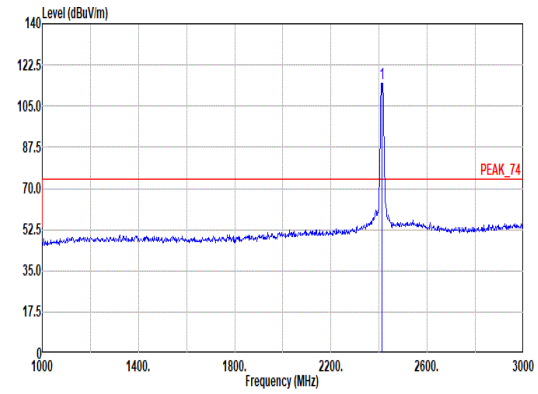
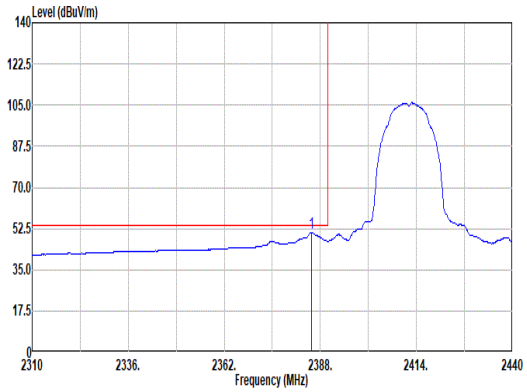
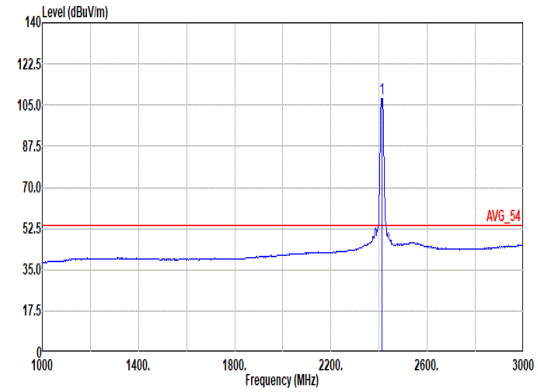
Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 15	2400-2483.5	1	802.11b	01	2412	1Mbps	-	-
Mode 16	2400-2483.5	1	802.11b	06	2437	1Mbps	-	-
Mode 17	2400-2483.5	1	802.11b	11	2462	1Mbps	-	-
Mode 18	2400-2483.5	1	802.11g	01	2412	6Mbps	-	-
Mode 19	2400-2483.5	1	802.11g	02	2417	6Mbps	-	-
Mode 20	2400-2483.5	1	802.11g	06	2437	6Mbps	-	-
Mode 21	2400-2483.5	1	802.11g	10	2457	6Mbps	-	-
Mode 22	2400-2483.5	1	802.11g	11	2462	6Mbps	-	-
Mode 23	2400-2483.5	1	802.11n HT20	01	2412	MCS0	-	-
Mode 24	2400-2483.5	1	802.11n HT20	06	2437	MCS0	-	-
Mode 25	2400-2483.5	1	802.11n HT20	11	2462	MCS0	-	-
Mode 26	2400-2483.5	1	802.11b	01	2412	1Mbps	-	LF
Mode 27	2400-2483.5	1	802.11b	01	2412	1Mbps	-	SHF

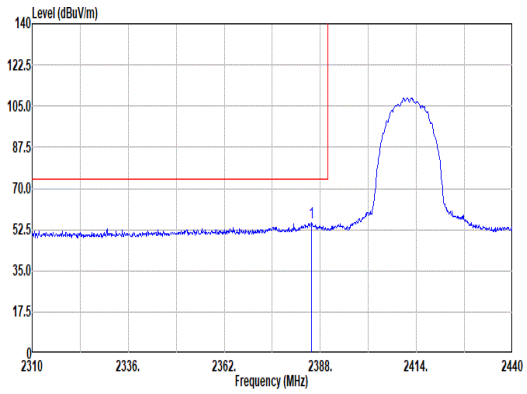
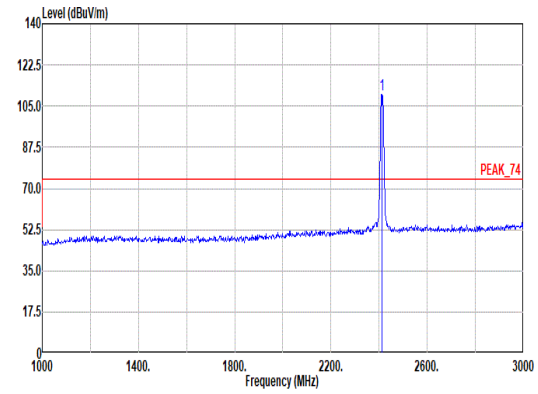
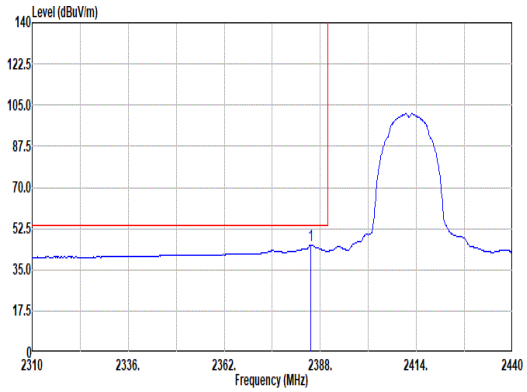
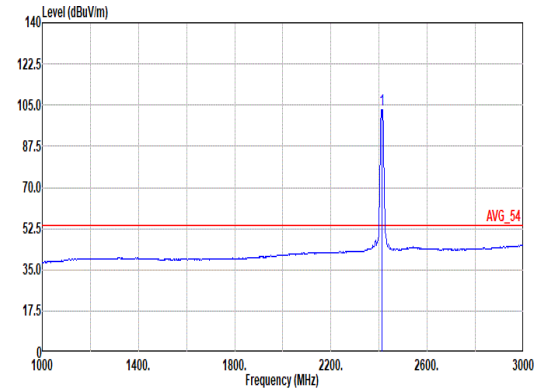
C2. Summary of each worse mode

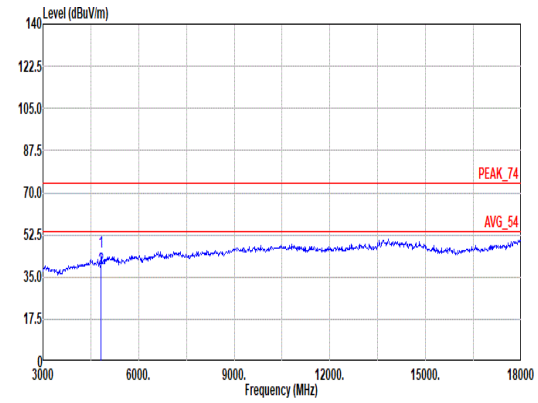
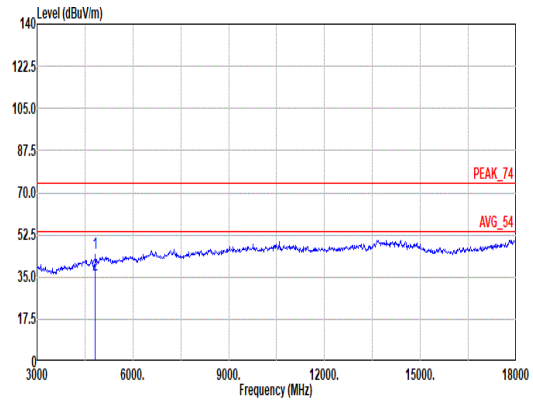
Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
15	802.11b	01	2385.53	50.84	54.00	-3.16	H	Avg.	Pass	-	Band Edge
	802.11b	01	4824.00	38.31	54.00	-15.69	H	Avg.	Pass	-	Harmonic
16	802.11b	06	2388.87	43.21	54.00	-10.79	H	Avg.	Pass	-	Band Edge
	802.11b	06	4874.00	35.60	54.00	-18.40	H	Avg.	Pass	-	Harmonic
17	802.11b	11	2488.52	48.85	54.00	-5.15	H	Avg.	Pass	-	Band Edge
	802.11b	11	7386.00	45.25	74.00	-28.75	V	Peak	Pass	-	Harmonic
18	802.11g	01	2389.95	50.78	54.00	-3.22	H	Avg.	Pass	-	Band Edge
	802.11g	01	4824.00	40.97	74.00	-33.03	V	Peak	Pass	-	Harmonic
19	802.11g	02	2389.95	50.74	54.00	-3.26	H	Avg.	Pass	-	Band Edge
	802.11g	02	-	-	-	-	-	-	-	-	Harmonic
20	802.11g	06	2389.76	43.86	54.00	-10.14	H	Avg.	Pass	-	Band Edge
	802.11g	06	4874.00	32.52	54.00	-21.48	H	Avg.	Pass	-	Harmonic
21	802.11g	10	2483.53	50.18	54.00	-3.82	H	Avg.	Pass	-	Band Edge
	802.11g	10	-	-	-	-	-	-	-	-	Harmonic
22	802.11g	11	2483.51	50.10	54.00	-3.90	H	Avg.	Pass	-	Band Edge
	802.11g	11	7386.00	44.52	74.00	-29.48	H	Peak	Pass	-	Harmonic
23	802.11n HT20	01	2389.95	50.70	54.00	-3.30	H	Avg.	Pass	-	Band Edge
	802.11n HT20	01	4824.00	42.03	74.00	-31.97	V	Peak	Pass	-	Harmonic
24	802.11n HT20	06	2389.63	43.89	54.00	-10.11	H	Avg.	Pass	-	Band Edge
	802.11n HT20	06	7311.00	45.33	74.00	-28.67	V	Peak	Pass	-	Harmonic
25	802.11n HT20	11	2483.51	50.45	54.00	-3.55	H	Avg.	Pass	-	Band Edge
	802.11n HT20	11	7386.00	45.06	74.00	-28.94	H	Peak	Pass	-	Harmonic

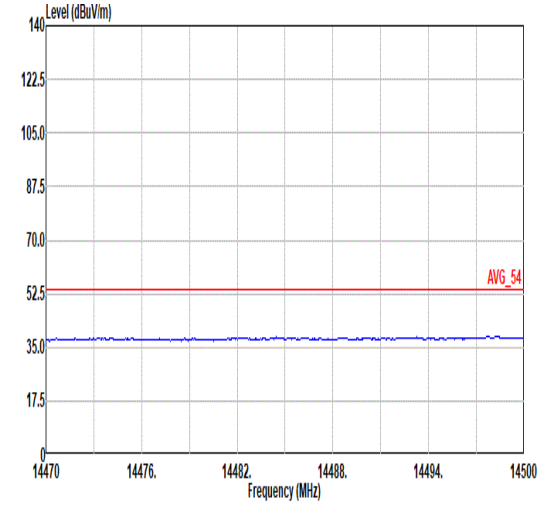
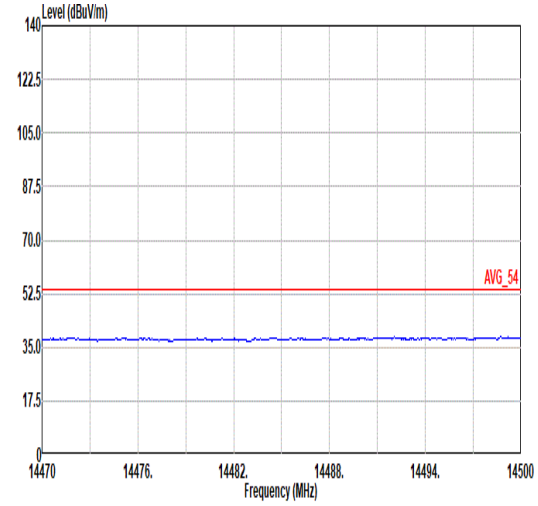
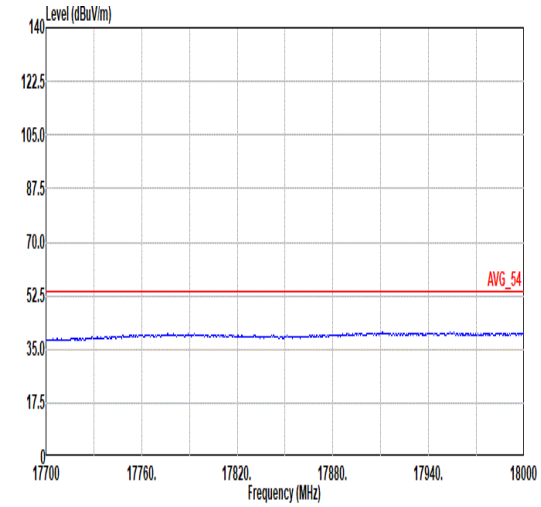
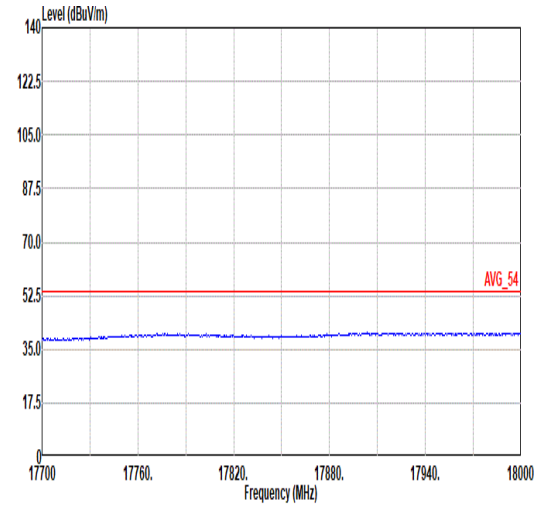
Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	RU	Remark
26	LF	01	480.08	41.47	46.00	-4.53	H	QP	Pass	-	LF
27	SHF	01	24146.00	40.51	74.00	-33.49	H	Peak	Pass	-	SHF

Mode	15	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2385.79 60.19 74.00 -13.81 53.04 27.46 6.73 36.97 9.93 312 174 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 114.53 ------ ------ 107.20 27.60 6.77 36.97 9.93 312 174 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2385.53 50.84 54.00 -3.16 43.69 27.46 6.73 36.97 9.93 312 174 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 107.69 ------ ------ 100.36 27.60 6.77 36.97 9.93 312 174 AVERAGE

Mode	15	
	Band Edge	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2385.53 55.24 74.00 -18.76 48.09 27.46 6.73 36.97 9.93 400 85 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 109.69 ------ ------ 102.37 27.60 6.76 36.97 9.93 400 85 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2385.40 45.45 54.00 -8.55 38.31 27.45 6.73 36.97 9.93 400 85 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 102.93 ------ ------ 95.60 27.60 6.77 36.97 9.93 400 85 AVERAGE

Mode	15	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 45.68 74.00 -28.32 60.40 32.50 9.47 57.39 0.70 100 301 PEAK 2 4824.00 38.31 54.00 -15.69 53.03 32.50 9.47 57.39 0.70 100 301 Average	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 44.76 74.00 -29.24 59.48 32.50 9.47 57.39 0.70 100 103 PEAK 2 4824.00 35.86 54.00 -18.14 50.58 32.50 9.47 57.39 0.70 100 103 Average

Mode	15	
	Harmonic	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

Mode	16	
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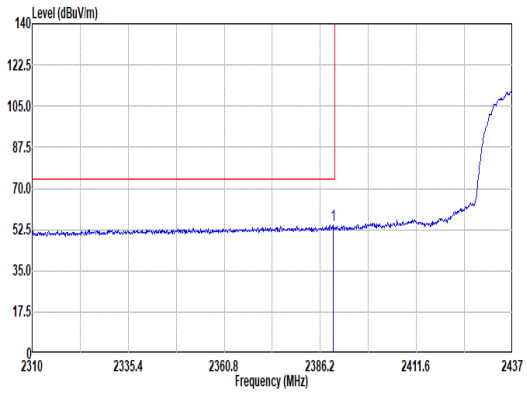
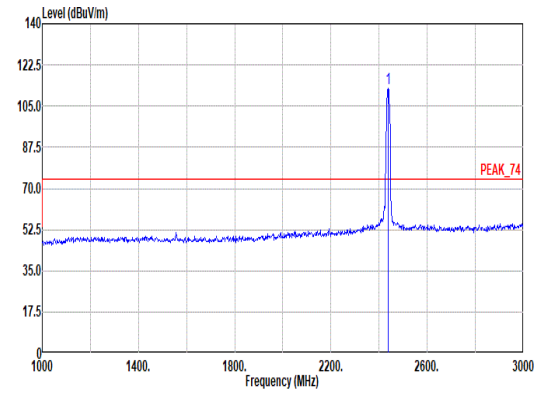
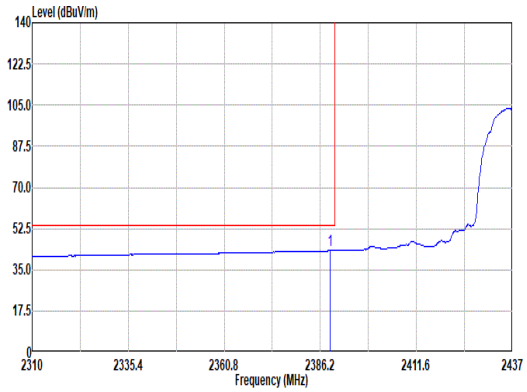
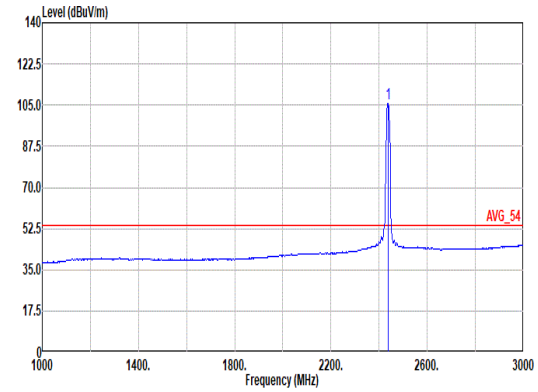
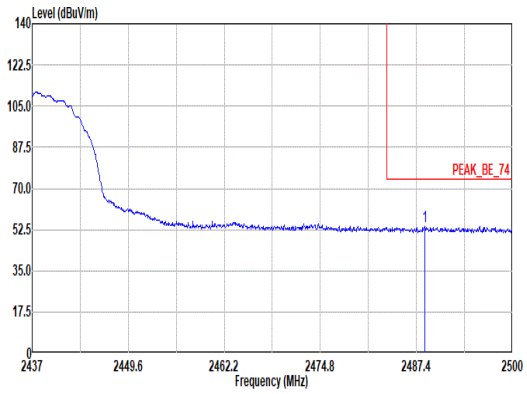
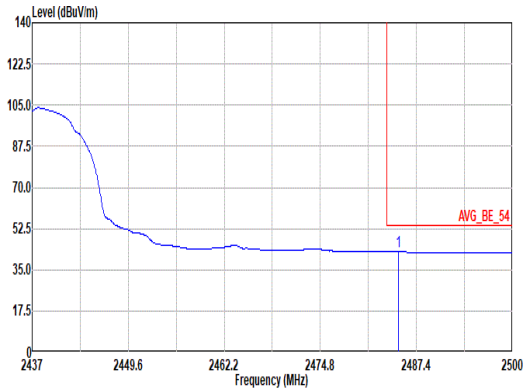
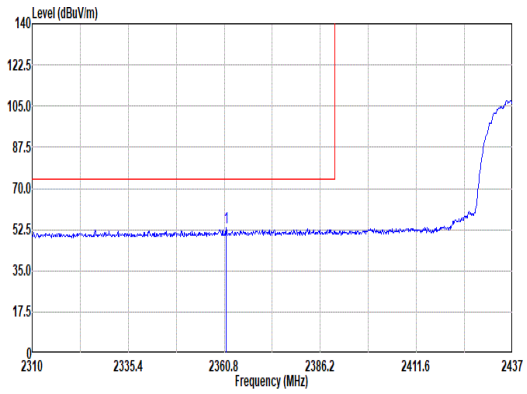
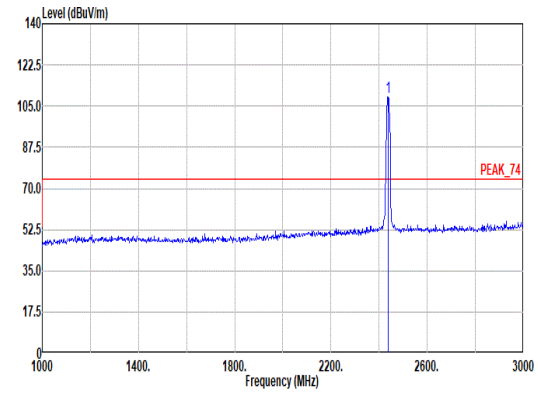
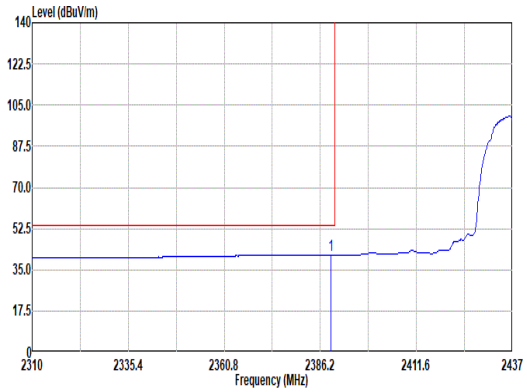
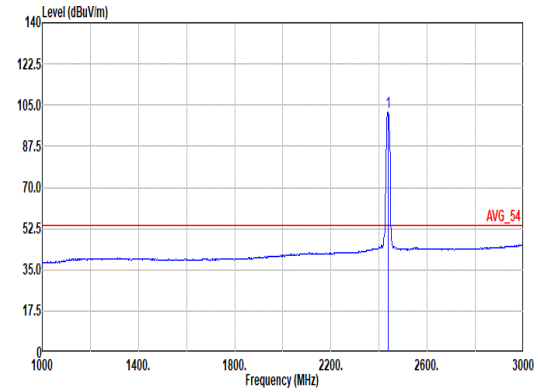
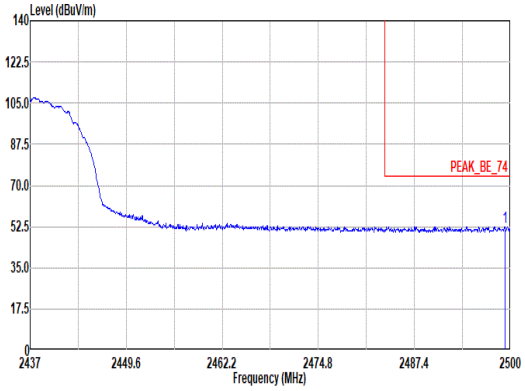
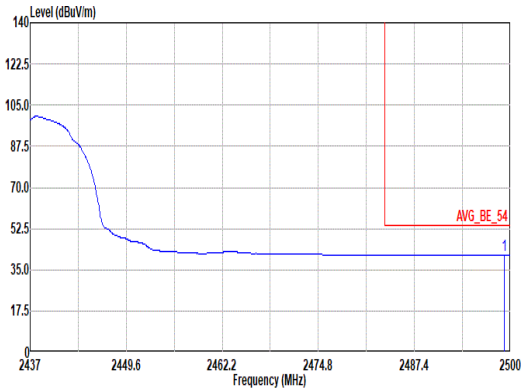
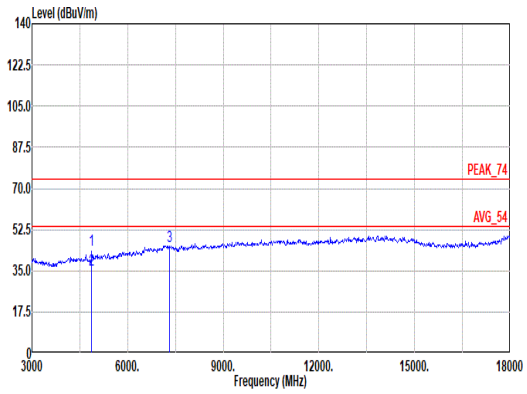
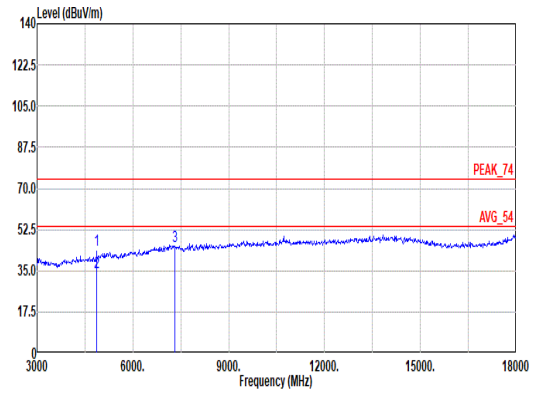
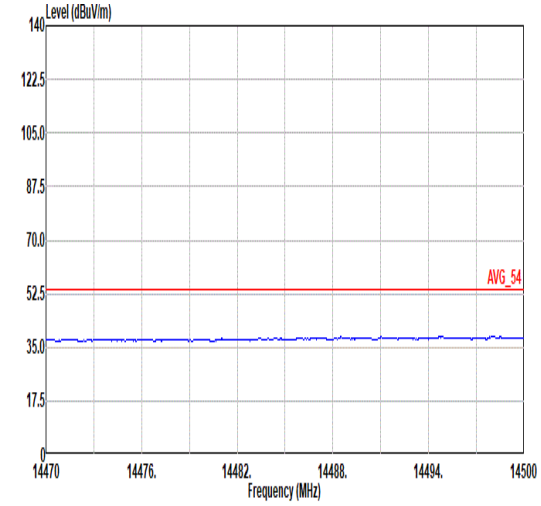
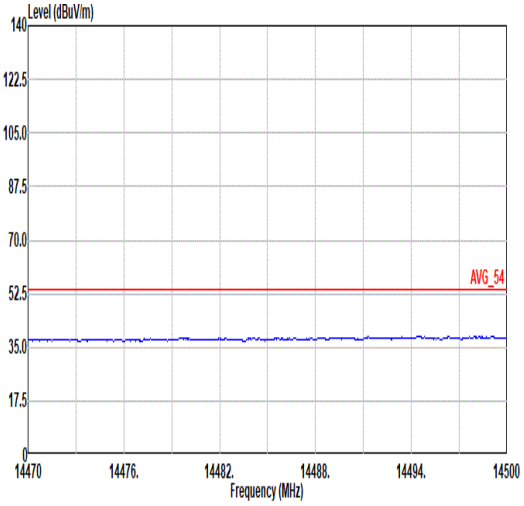
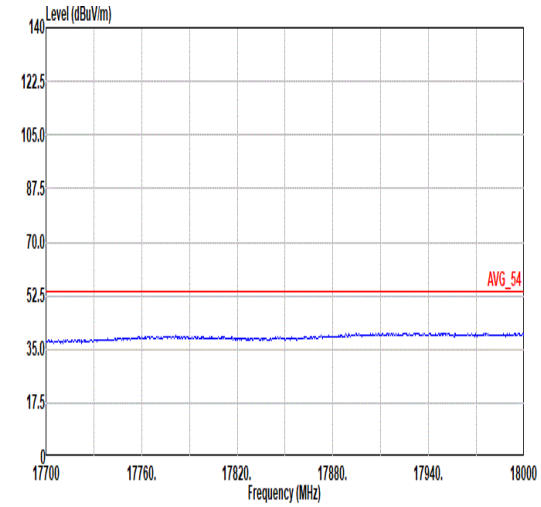
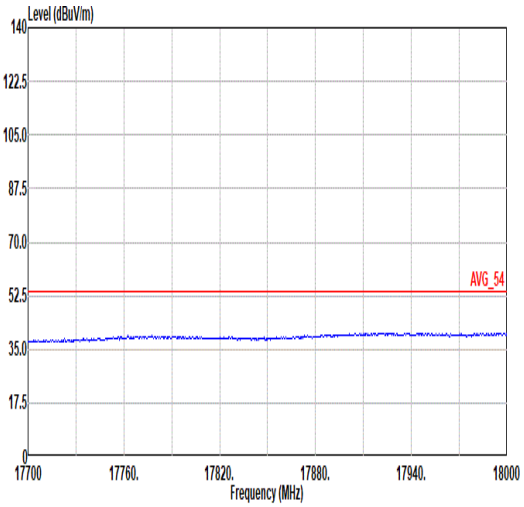
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.63 54.23 74.00 -19.77 47.03 27.50 6.74 36.97 9.93 300 31 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 112.38 ------ ------ 105.00 27.62 6.80 36.97 9.93 300 31 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.87 43.21 54.00 -10.79 36.03 27.49 6.73 36.97 9.93 300 31 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 105.52 ------ ------ 98.14 27.62 6.80 36.97 9.93 300 31 AVERAGE

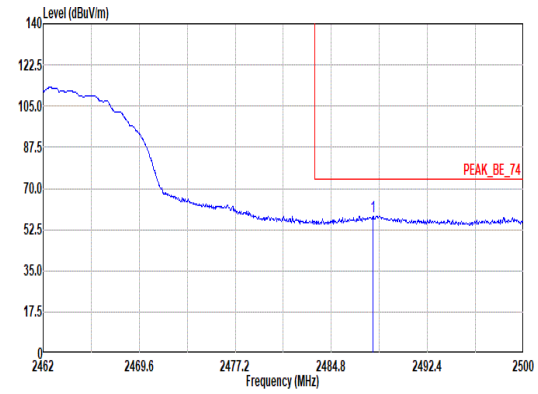
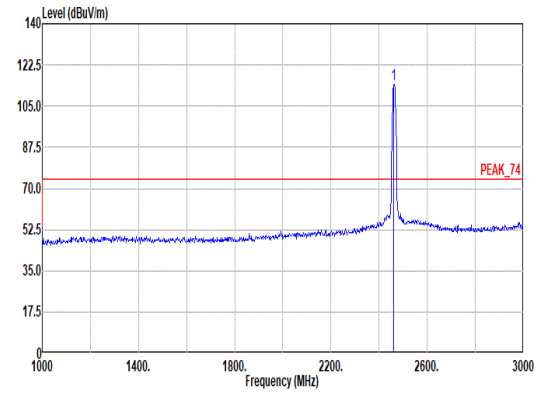
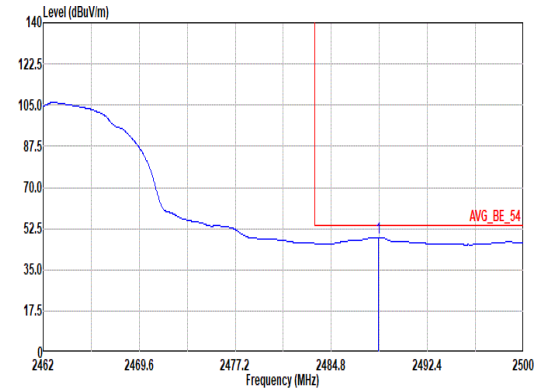
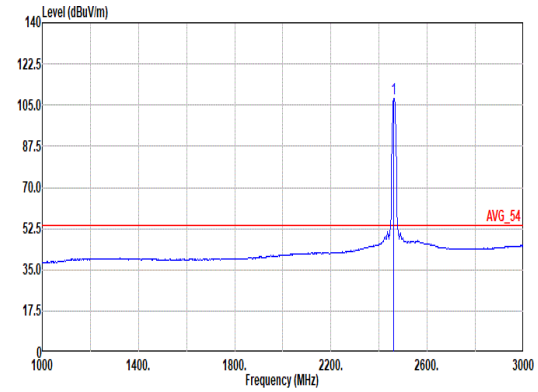
Mode	16	
	Band Edge - R	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.47 53.98 74.00 -20.02 46.35 27.80 6.87 36.97 9.93 300 31 PEAK	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2485.01 42.73 54.00 -11.27 35.10 27.80 6.87 36.97 9.93 300 31 AVERAGE	Blank

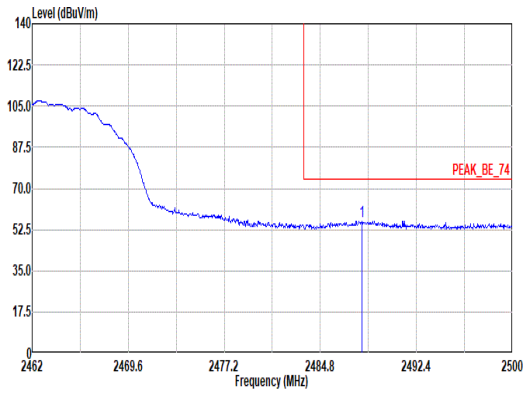
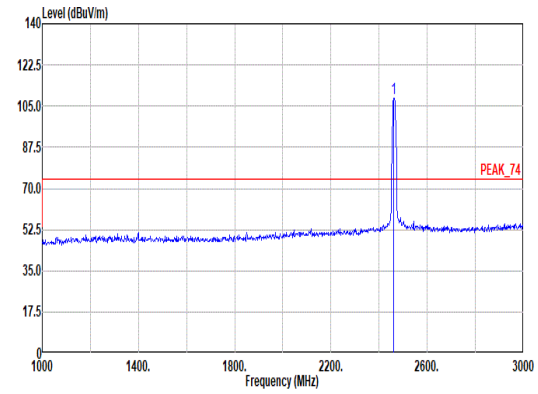
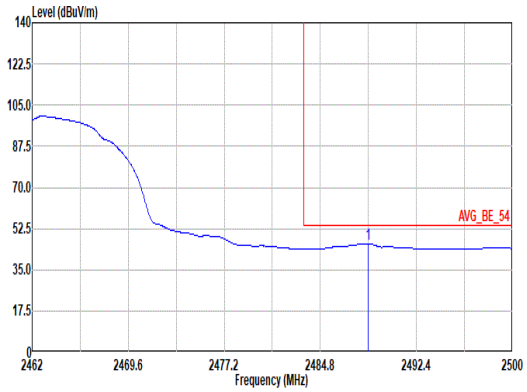
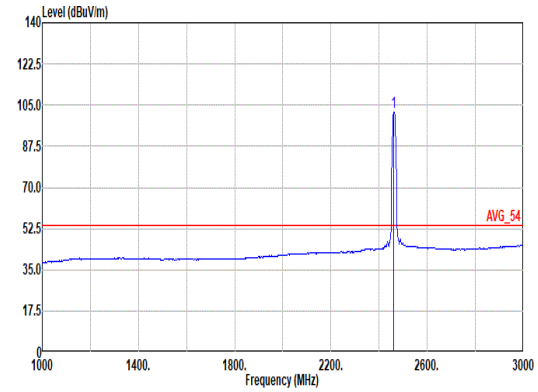
Mode	16	
	Band Edge - L	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2361.31 53.10 74.00 -20.90 46.13 27.31 6.70 36.97 9.93 371 49 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 108.79 ------ ------ 101.41 27.62 6.80 36.97 9.93 371 49 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.99 41.40 54.00 -12.60 34.21 27.49 6.74 36.97 9.93 371 49 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 101.94 ------ ------ 94.54 27.64 6.80 36.97 9.93 371 49 AVERAGE

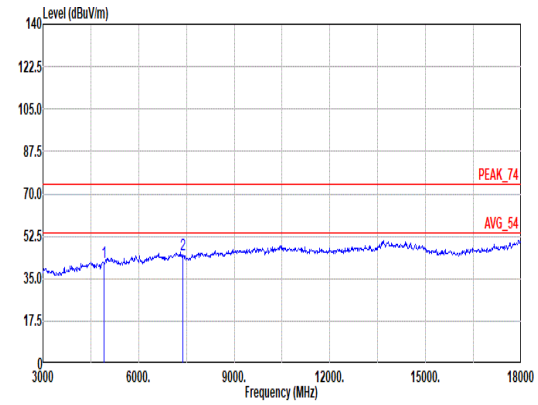
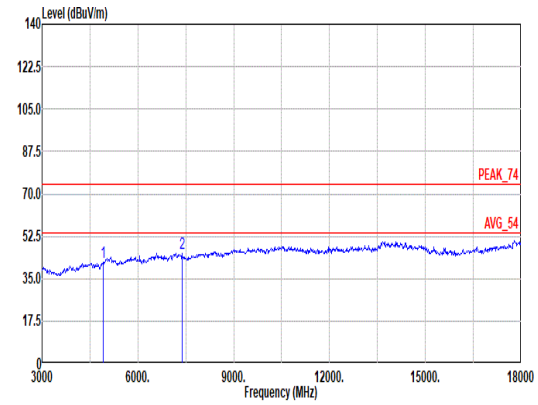
Mode	16	
	Band Edge - R	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2499.24 52.54 74.00 -21.46 44.80 27.89 6.89 36.97 9.93 371 49 PEAK	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2499.18 41.22 54.00 -12.78 33.48 27.89 6.89 36.97 9.93 371 49 AVERAGE	Blank

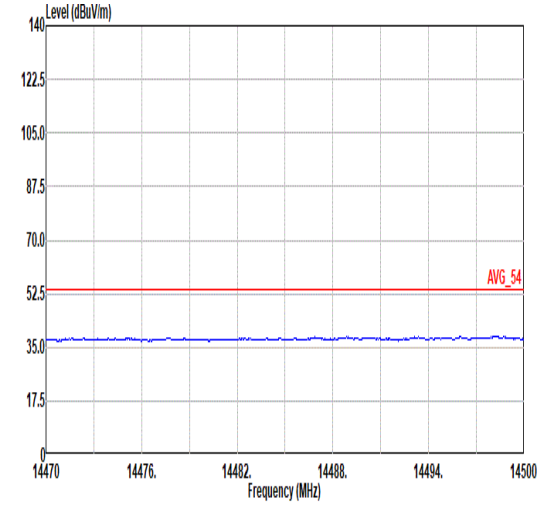
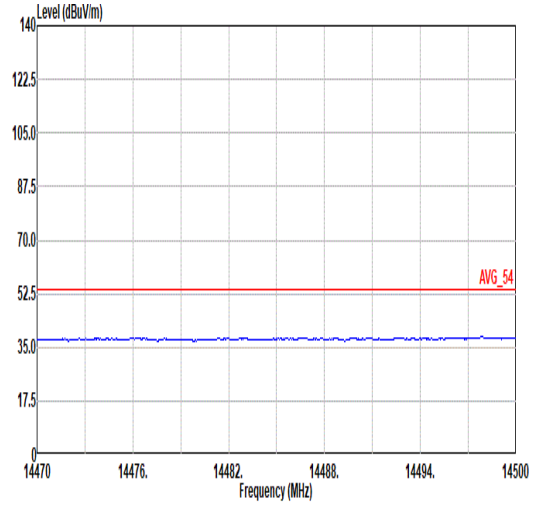
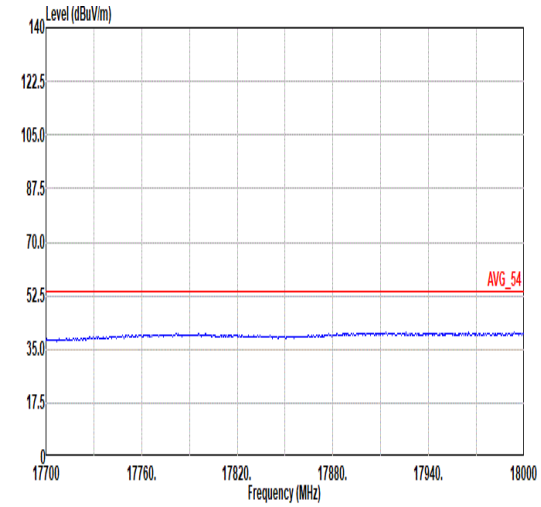
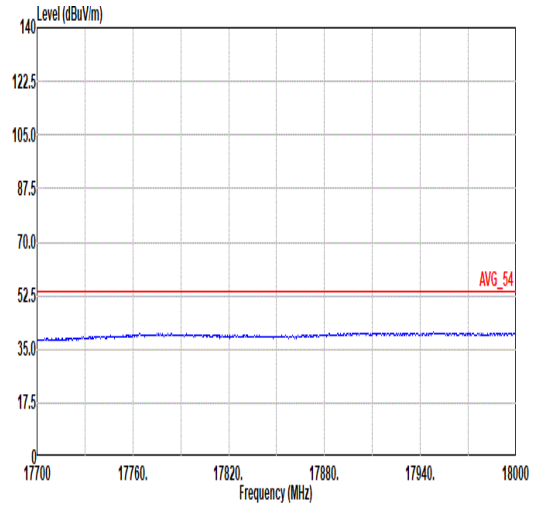
Mode	16	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 43.99 74.00 -30.01 58.09 32.70 9.77 57.28 0.71 100 317 PEAK 2 4874.00 35.60 54.00 -18.40 49.70 32.70 9.77 57.28 0.71 100 317 AVERAGE 3 7311.00 45.67 74.00 -28.33 52.50 37.13 12.75 57.37 0.66 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 43.73 74.00 -30.27 57.83 32.70 9.77 57.28 0.71 100 120 PEAK 2 4874.00 34.45 54.00 -19.55 48.55 32.70 9.77 57.28 0.71 100 120 AVERAGE 3 7311.00 45.65 74.00 -28.35 52.48 37.13 12.75 57.37 0.66 -- -- PEAK

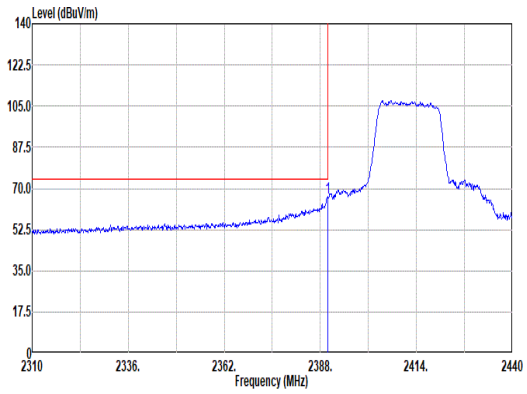
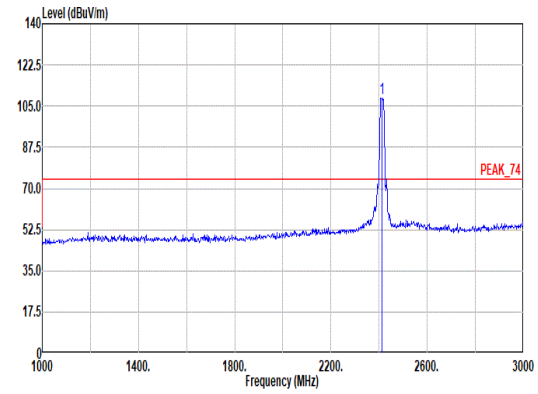
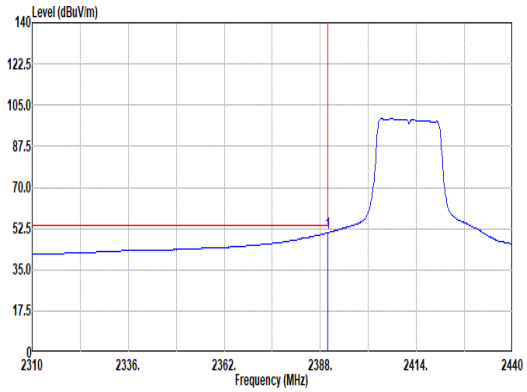
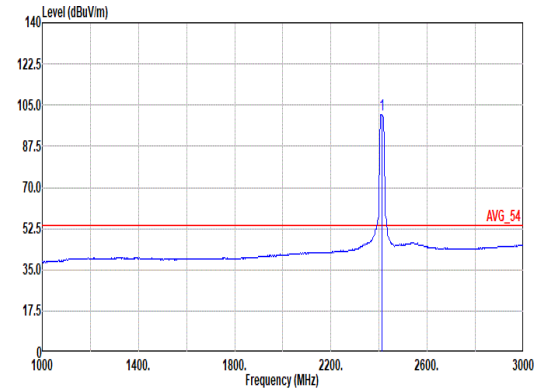
Mode	16	
	Harmonic	
	2400-2483.5_802.11b_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

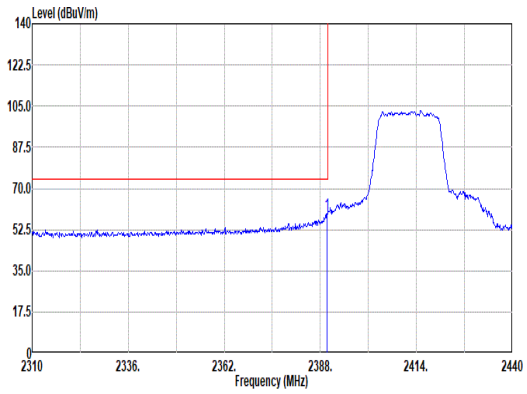
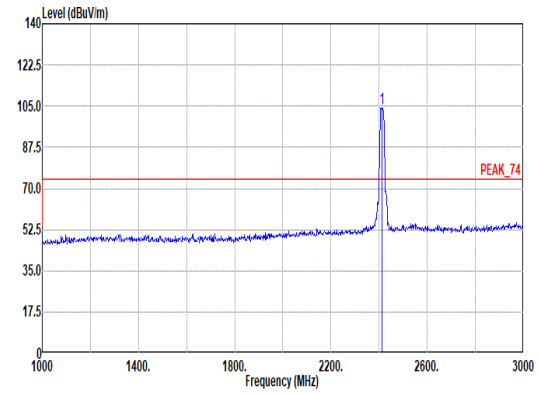
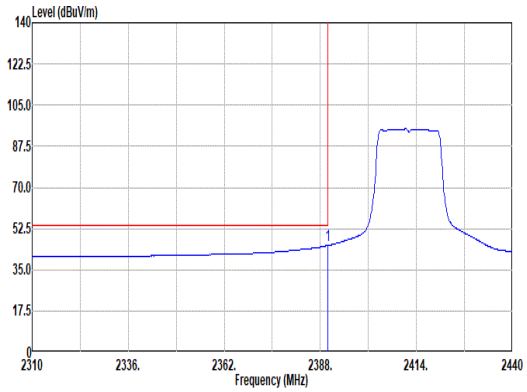
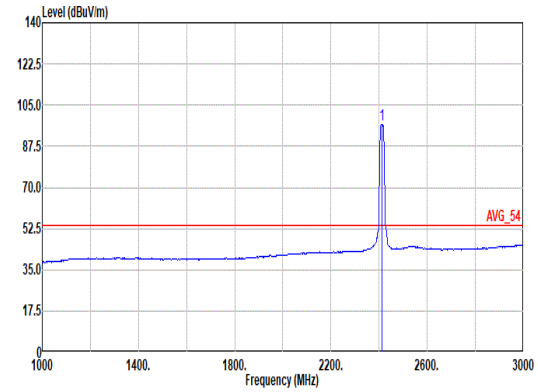
Mode	17	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.11 58.34 74.00 -15.66 50.71 27.80 6.87 36.97 9.93 297 171 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 114.30 ------ ------ 106.81 27.70 6.83 36.97 9.93 297 171 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.52 48.85 54.00 -5.15 41.22 27.80 6.87 36.97 9.93 297 171 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 107.64 ------ ------ 100.14 27.70 6.84 36.97 9.93 297 171 AVERAGE

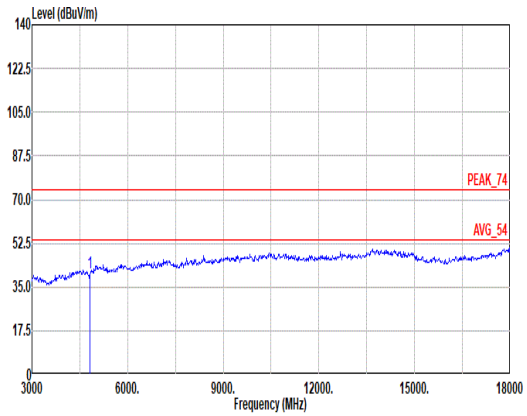
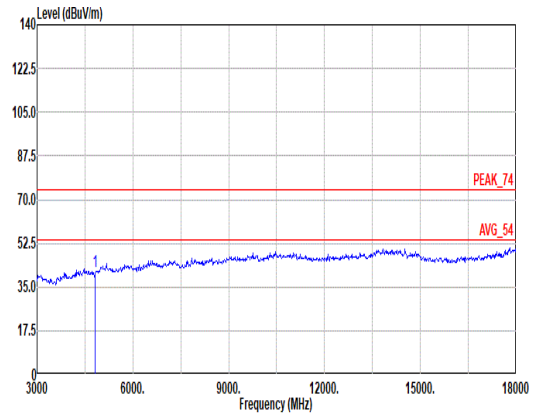
Mode	17	
	Band Edge	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.11 56.26 74.00 -17.74 48.63 27.80 6.87 36.97 9.93 372 86 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 108.53 ------ ------ 101.03 27.70 6.84 36.97 9.93 372 86 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2488.56 46.11 54.00 -7.89 38.48 27.80 6.87 36.97 9.93 372 86 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 101.98 ------ ------ 94.48 27.70 6.84 36.97 9.93 372 86 AVERAGE

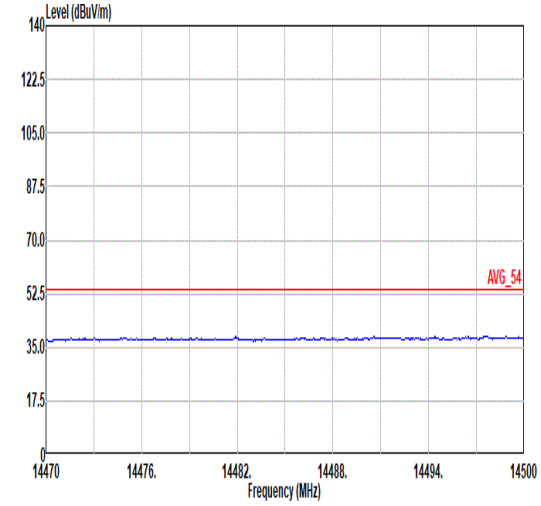
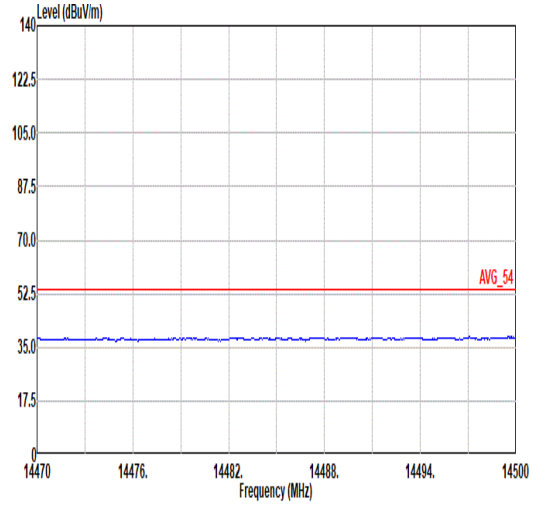
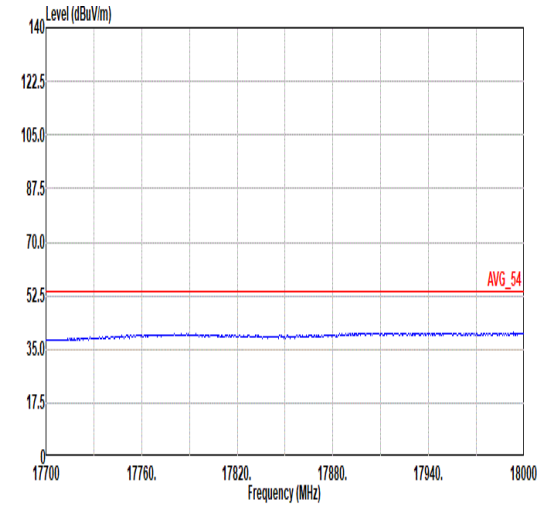
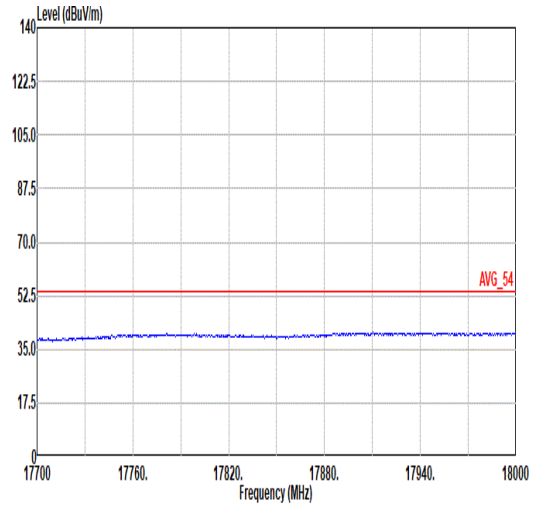
Mode	17	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 41.81 74.00 -32.19 55.25 32.94 10.08 57.17 0.71 -- -- PEAK 2 7386.00 44.92 74.00 -29.08 52.29 36.68 12.80 57.52 0.67 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 41.63 74.00 -32.37 55.07 32.94 10.08 57.17 0.71 -- -- PEAK 2 7386.00 45.25 74.00 -28.75 52.62 36.68 12.80 57.52 0.67 -- -- PEAK

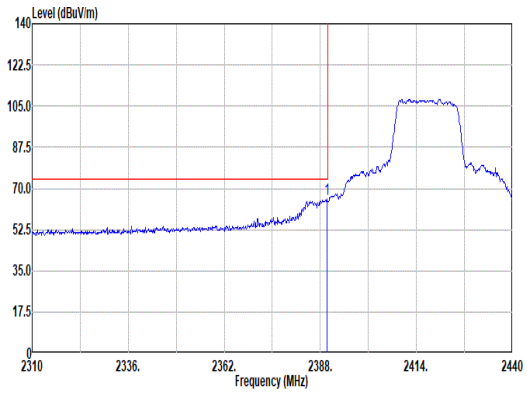
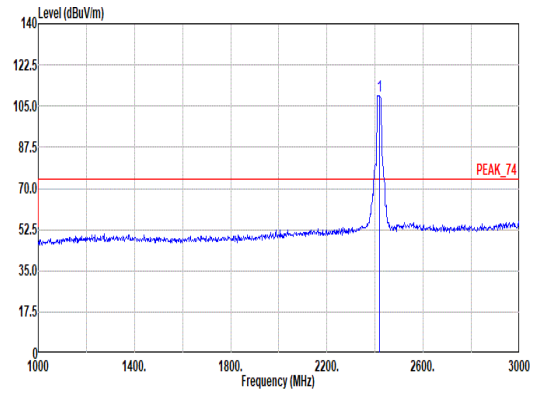
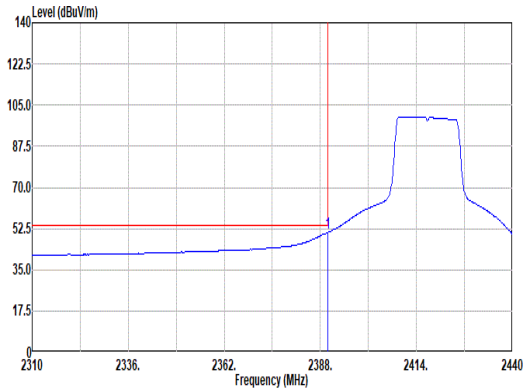
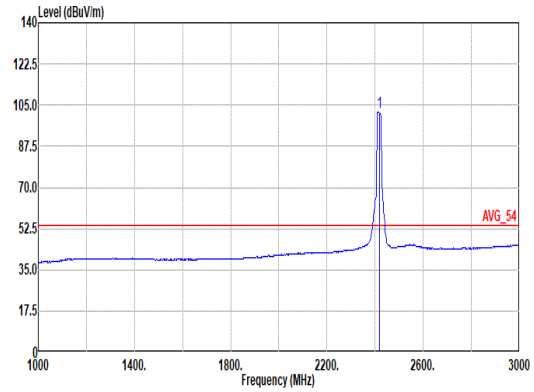
Mode	17	
	Harmonic	
	2400-2483.5_802.11b_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

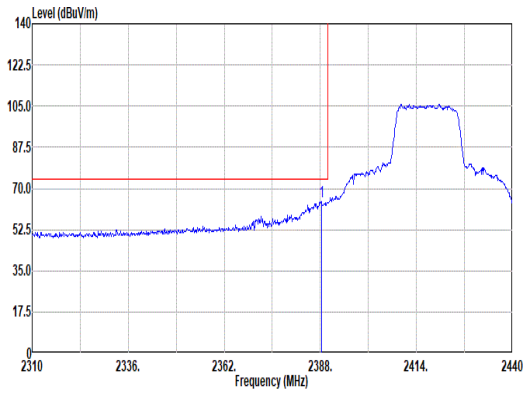
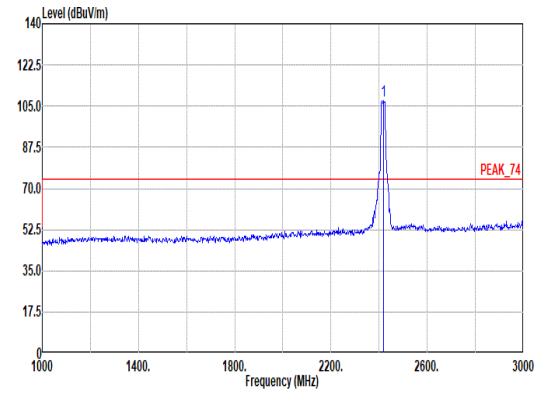
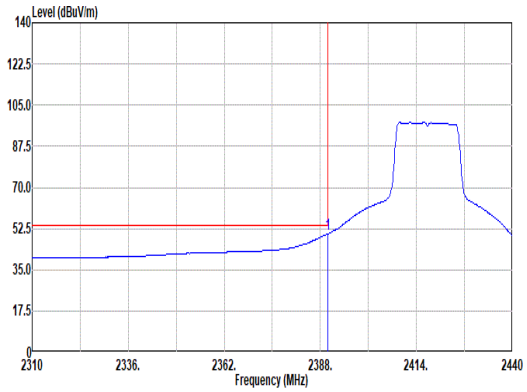
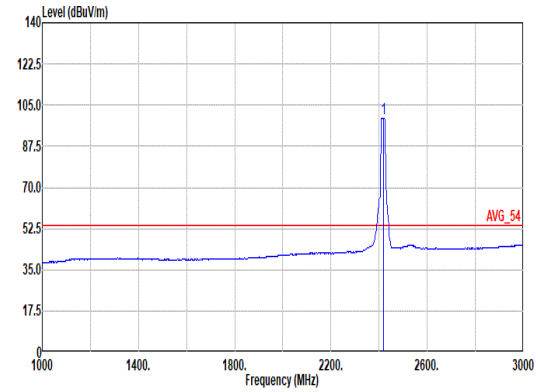
Mode	18	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 66.11 74.00 -7.89 58.91 27.50 6.74 36.97 9.93 313 176 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 108.51 ------ ------ 101.19 27.60 6.76 36.97 9.93 313 176 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 50.78 54.00 -3.22 43.58 27.50 6.74 36.97 9.93 313 176 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 101.07 ------ ------ 93.75 27.60 6.76 36.97 9.93 313 176 AVERAGE

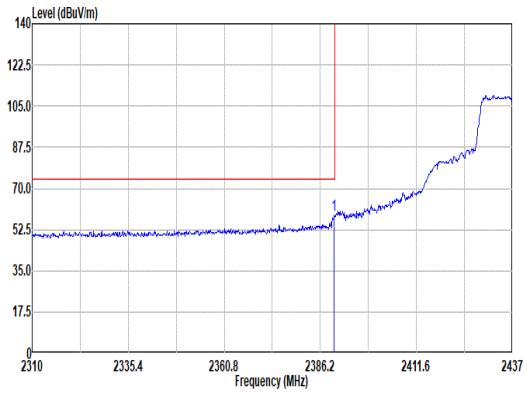
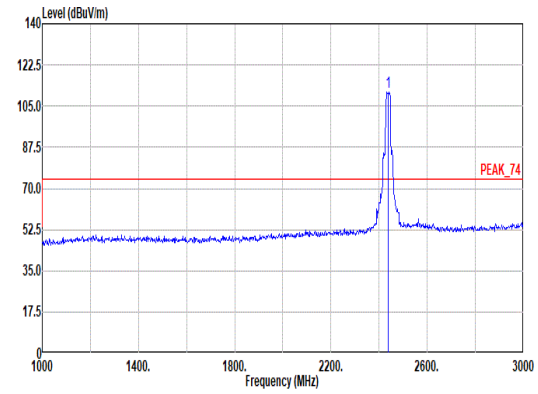
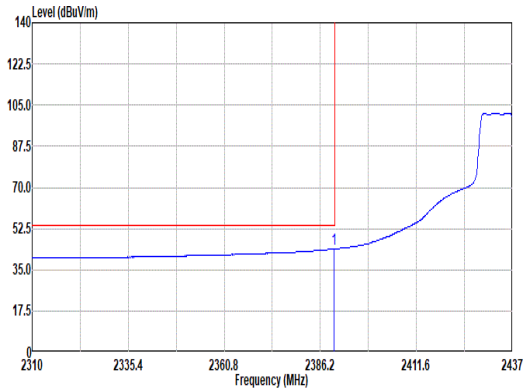
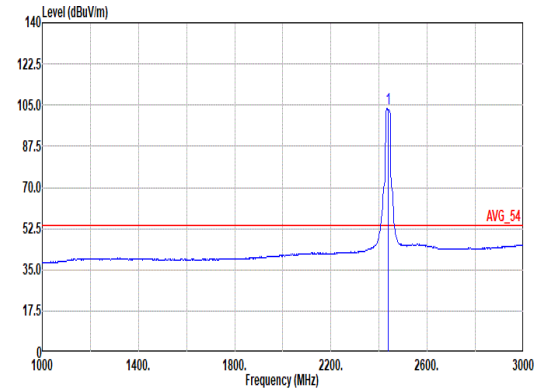
Mode	18	
	Band Edge	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.82 59.40 74.00 -14.60 52.20 27.50 6.74 36.97 9.93 399 86 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 104.28 ------ ------ 96.95 27.60 6.77 36.97 9.93 399 86 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 45.35 54.00 -8.65 38.15 27.50 6.74 36.97 9.93 399 86 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 96.65 ------ ------ 89.33 27.60 6.76 36.97 9.93 399 86 AVERAGE

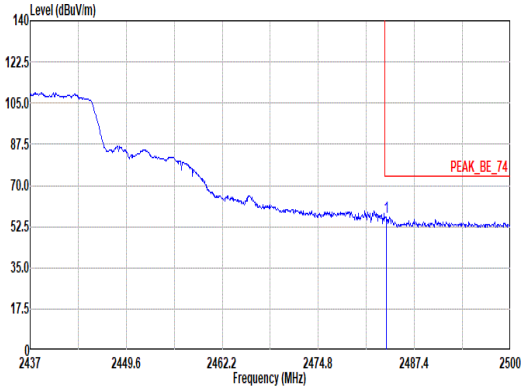
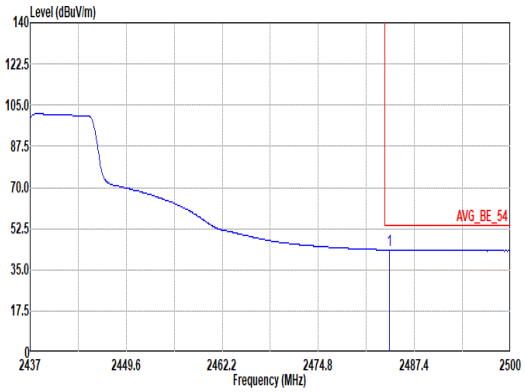
Mode	18	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 40.93 74.00 -33.07 55.65 32.50 9.47 57.39 0.70 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 40.97 74.00 -33.03 55.69 32.50 9.47 57.39 0.70 -- -- PEAK

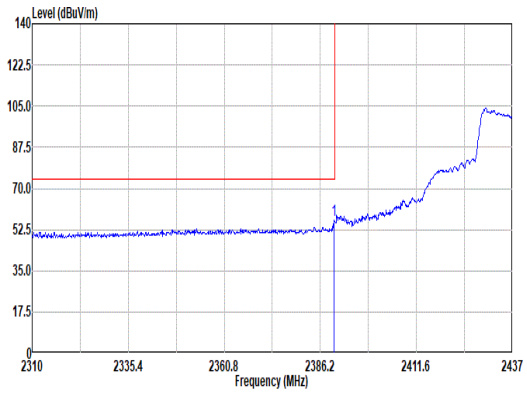
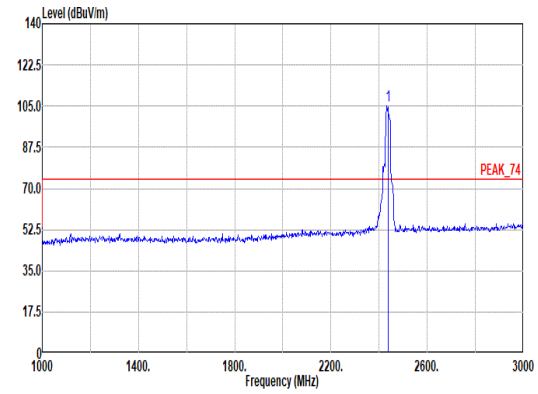
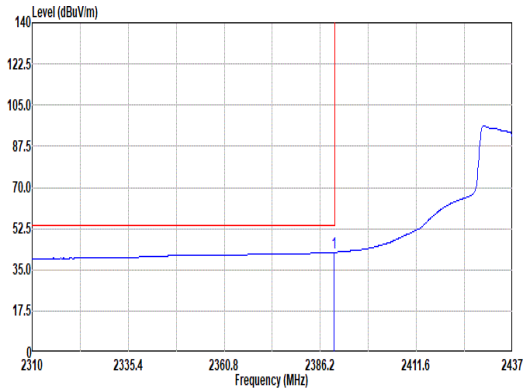
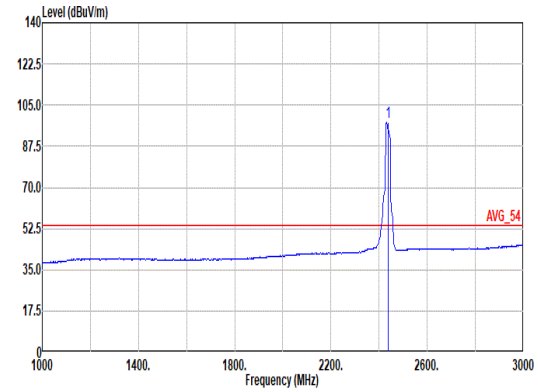
Mode	18	
	Harmonic	
	2400-2483.5_802.11g_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

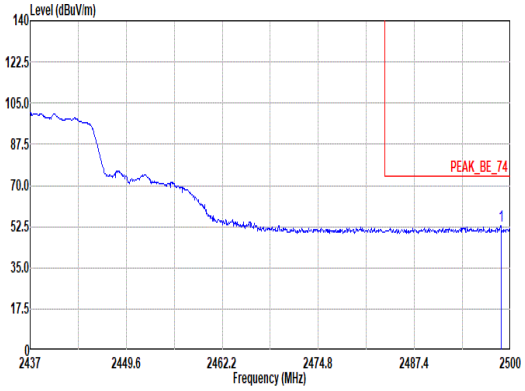
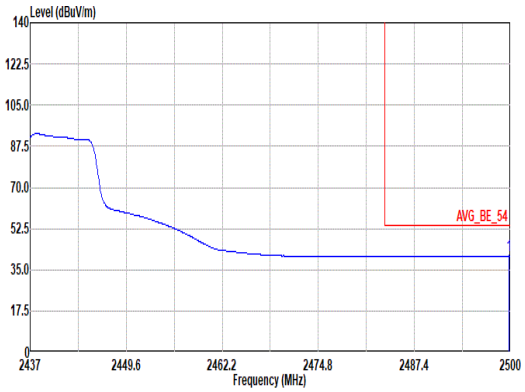
Mode	19	
	Band Edge	
	2400-2483.5_802.11g_CH02_2417MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.82 65.60 74.00 -8.40 58.35 27.50 6.79 36.97 9.93 352 60 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2417.00 109.37 ------ ------ 101.99 27.60 6.82 36.97 9.93 352 60 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 50.74 54.00 -3.26 43.49 27.50 6.79 36.97 9.93 352 60 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2417.00 101.85 ------ ------ 94.47 27.60 6.82 36.97 9.93 352 60 AVERAGE

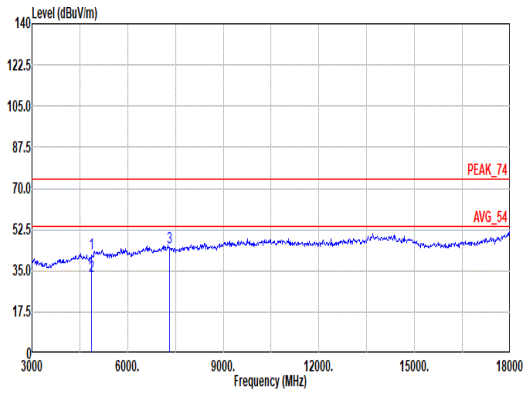
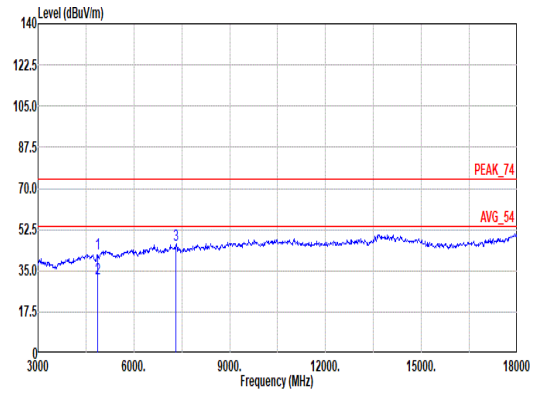
Mode	19	
	Band Edge	
	2400-2483.5_802.11g_CH02_2417MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2388.26 64.71 74.00 -9.29 57.49 27.48 6.78 36.97 9.93 400 118 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2417.00 107.03 ------ ------ 99.65 27.60 6.82 36.97 9.93 400 118 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 50.16 54.00 -3.84 42.91 27.50 6.79 36.97 9.93 400 118 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2417.00 99.36 ------ ------ 91.98 27.60 6.82 36.97 9.93 400 118 AVERAGE

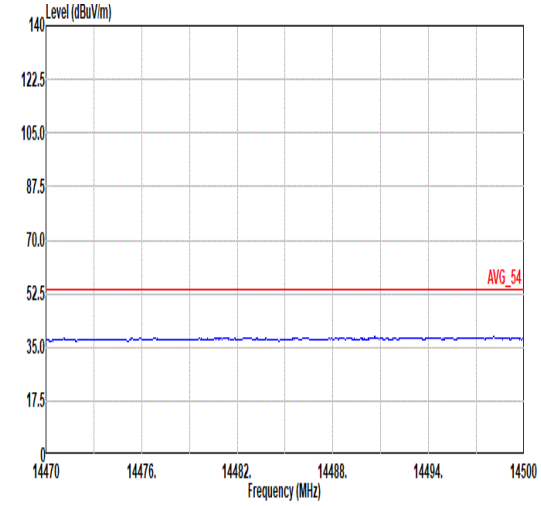
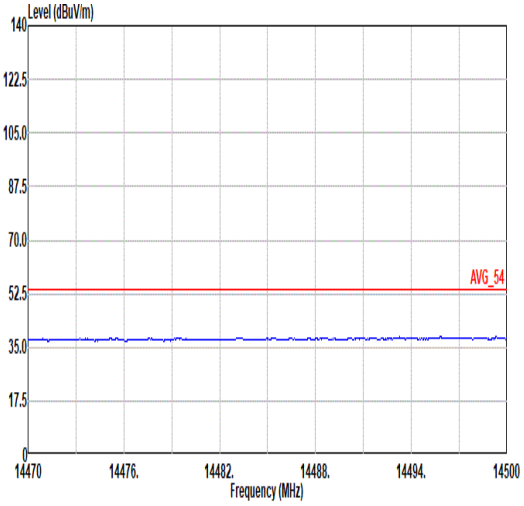
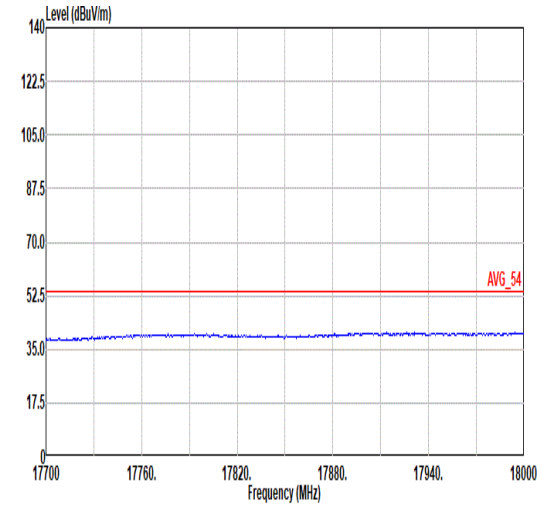
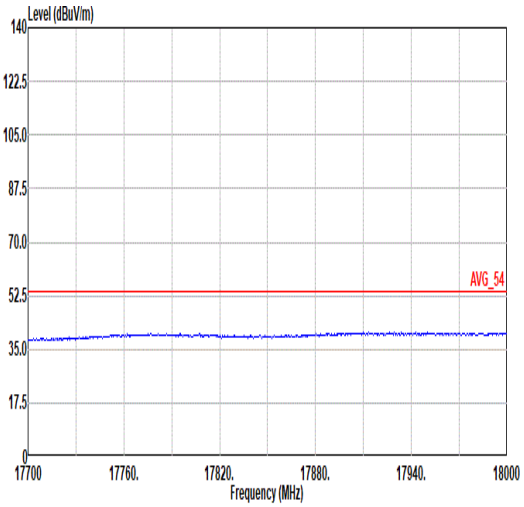
Mode	20	
	Band Edge - L	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.88 58.60 74.00 -15.40 51.40 27.50 6.74 36.97 9.93 300 36 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 110.87 ------ ------ 103.44 27.68 6.79 36.97 9.93 300 36 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.76 43.86 54.00 -10.14 36.66 27.50 6.74 36.97 9.93 300 36 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 103.36 ------ ------ 95.96 27.64 6.80 36.97 9.93 300 36 AVERAGE

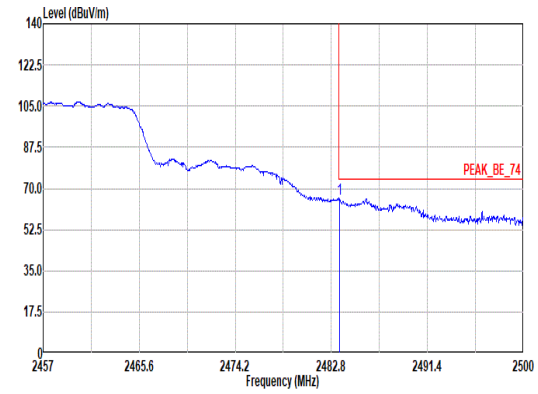
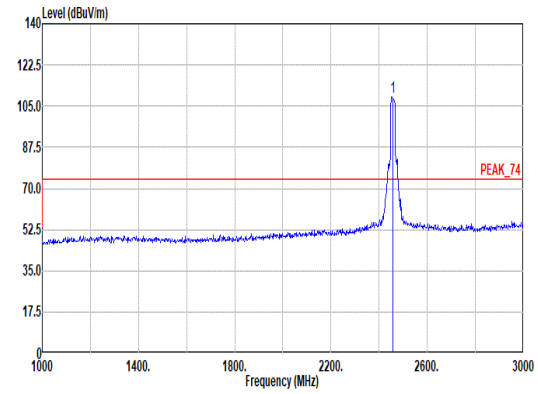
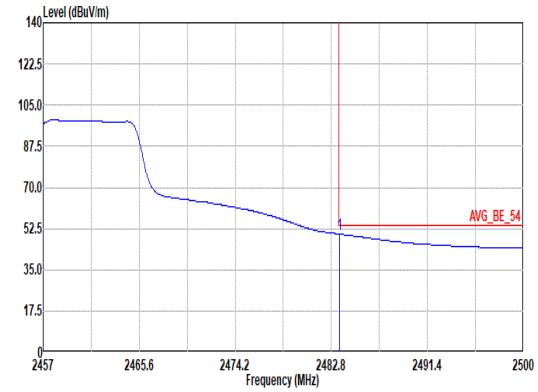
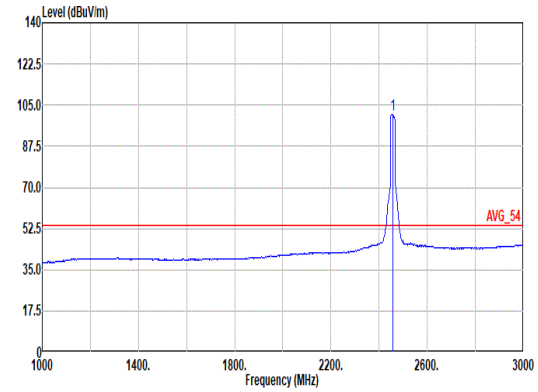
Mode	20	
	Band Edge - R	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.68 56.62 74.00 -17.38 48.99 27.80 6.87 36.97 9.93 300 36 PEAK	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2484.12 43.54 54.00 -10.46 35.91 27.80 6.87 36.97 9.93 300 36 AVERAGE	Blank

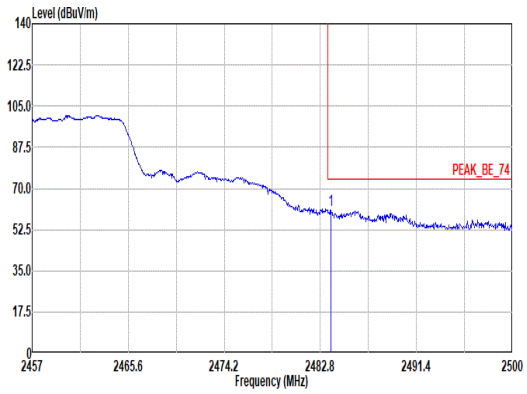
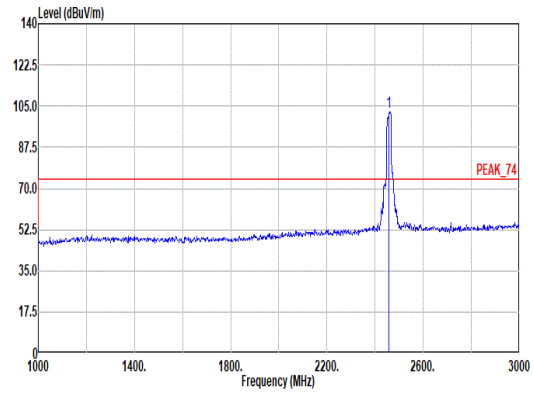
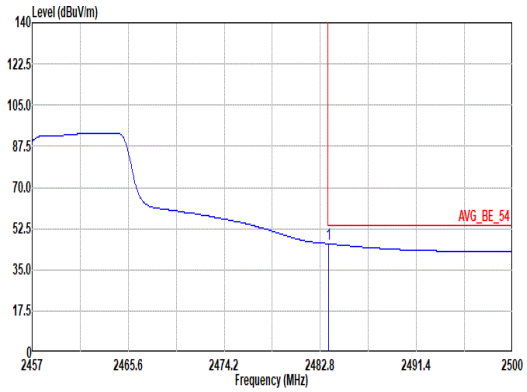
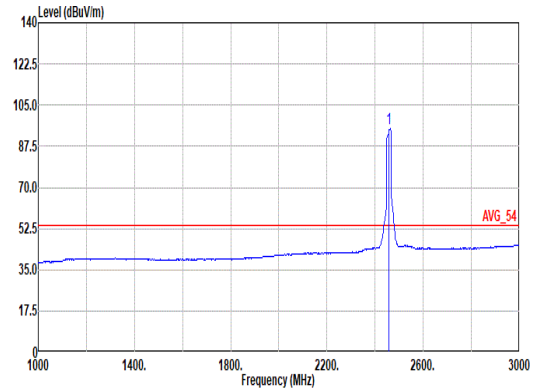
Mode	20	
	Band Edge - L	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.76 56.49 74.00 -17.51 49.29 27.50 6.74 36.97 9.93 400 145 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 105.14 ------ ------ 97.69 27.70 6.79 36.97 9.93 400 145 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.88 42.47 54.00 -11.53 35.27 27.50 6.74 36.97 9.93 400 145 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 97.81 ------ ------ 90.36 27.70 6.79 36.97 9.93 400 145 AVERAGE

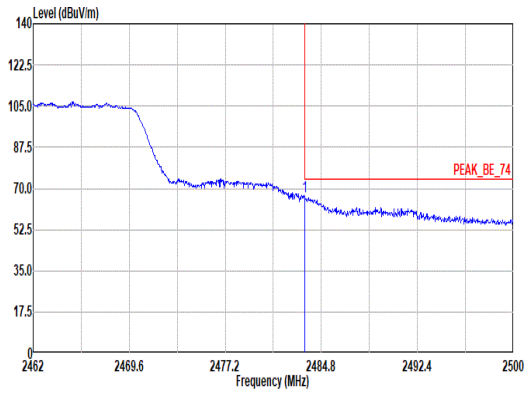
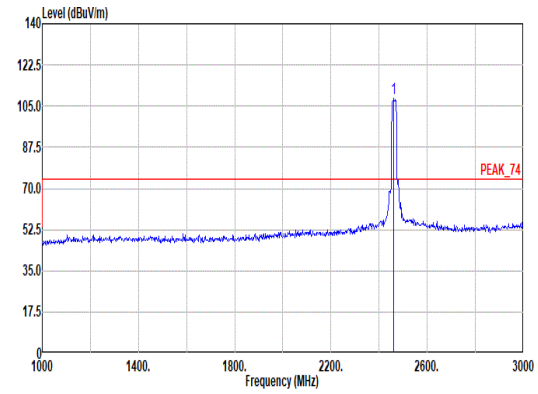
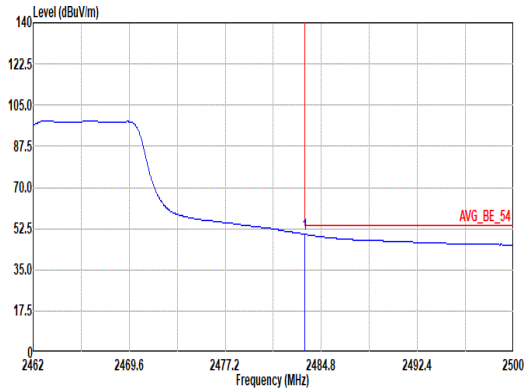
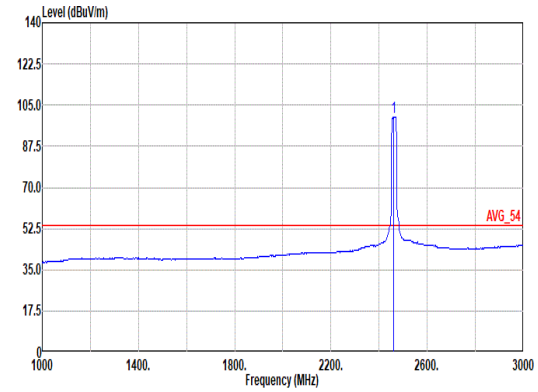
Mode	20	
	Band Edge - R	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2498.74 52.63 74.00 -21.37 44.89 27.89 6.89 36.97 9.93 400 145 PEAK	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2499.81 40.97 54.00 -13.03 33.22 27.90 6.89 36.97 9.93 400 145 AVERAGE	Blank

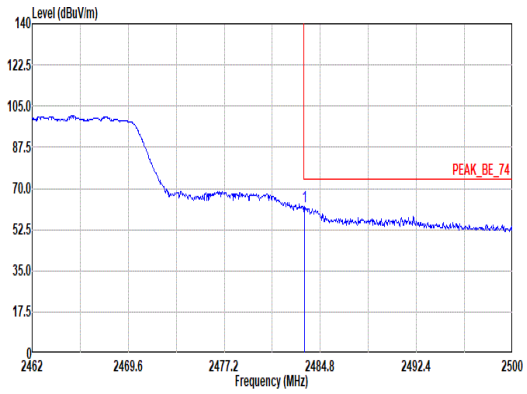
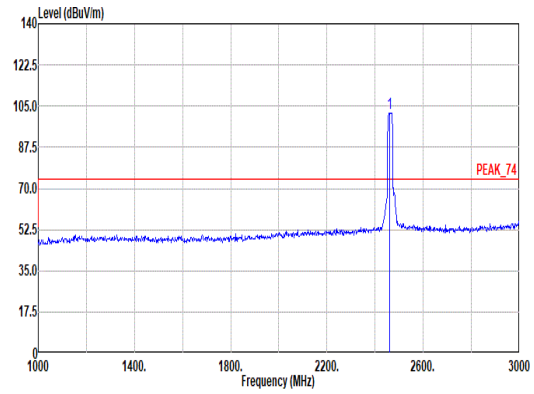
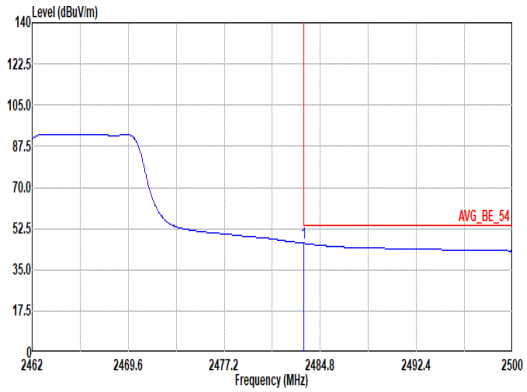
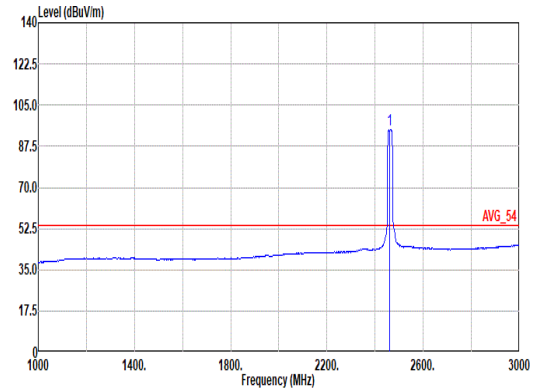
Mode	20	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 42.45 74.00 -31.55 56.55 32.70 9.77 57.28 0.71 100 308 PEAK 2 4874.00 32.52 54.00 -21.48 46.62 32.70 9.77 57.28 0.71 100 308 Average 3 7311.00 45.16 74.00 -28.84 51.99 37.13 12.75 57.37 0.66 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 42.02 74.00 -31.98 56.12 32.70 9.77 57.28 0.71 100 90 PEAK 2 4874.00 31.46 54.00 -22.54 45.56 32.70 9.77 57.28 0.71 100 90 Average 3 7311.00 45.81 74.00 -28.19 52.64 37.13 12.75 57.37 0.66 -- -- PEAK

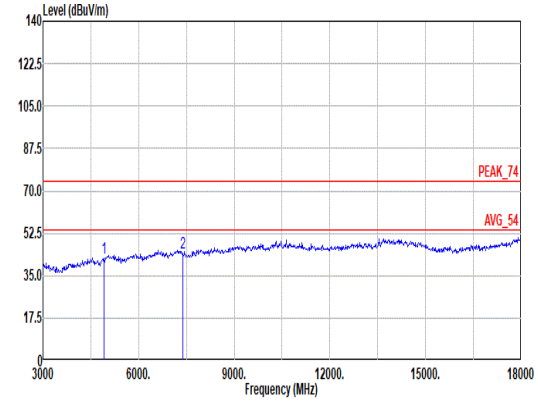
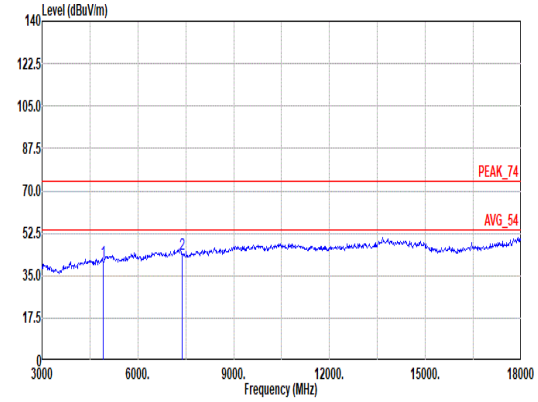
Mode	20	
	Harmonic	
	2400-2483.5_802.11g_CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

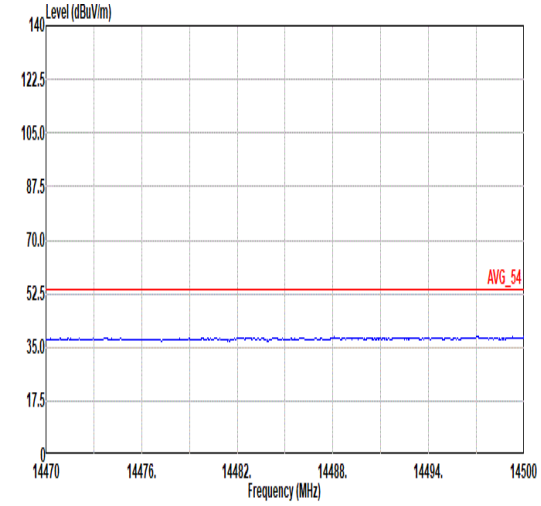
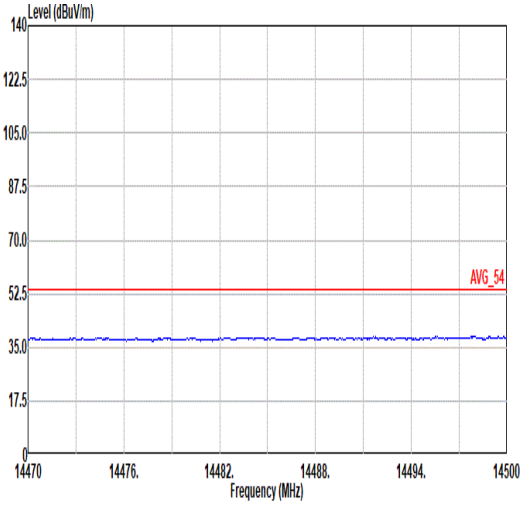
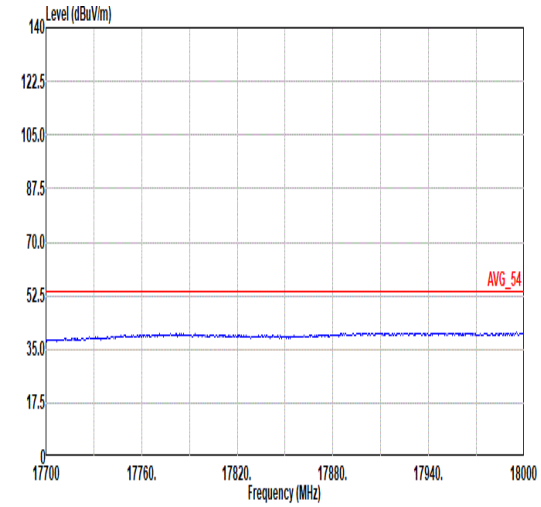
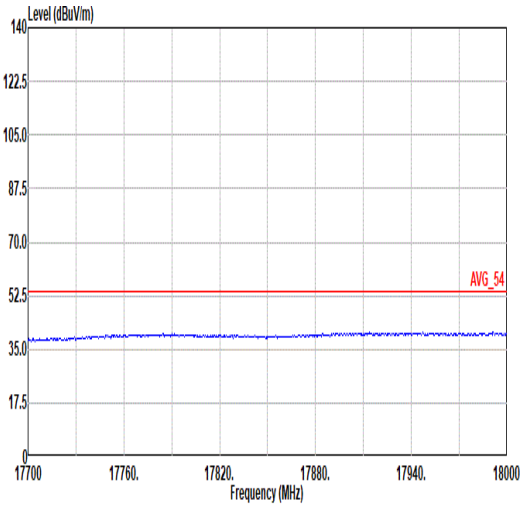
Mode	21	
	Band Edge	
	2400-2483.5_802.11g_CH10_2457MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.53 65.53 74.00 -8.47 57.84 27.80 6.93 36.97 9.93 117 156 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2457.00 108.86 ------ ------ 101.42 27.60 6.88 36.97 9.93 117 156 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.53 50.18 54.00 -3.82 42.49 27.80 6.93 36.97 9.93 117 156 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2457.00 101.02 ------ ------ 93.56 27.62 6.88 36.97 9.93 117 156 AVERAGE

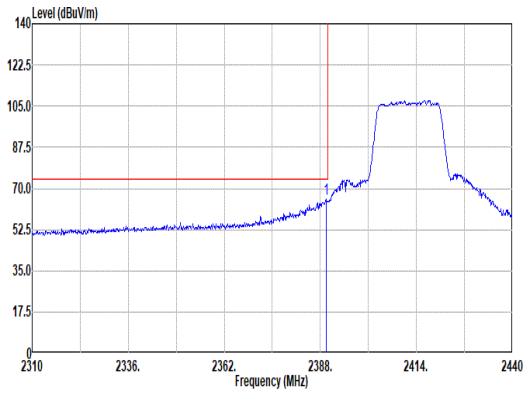
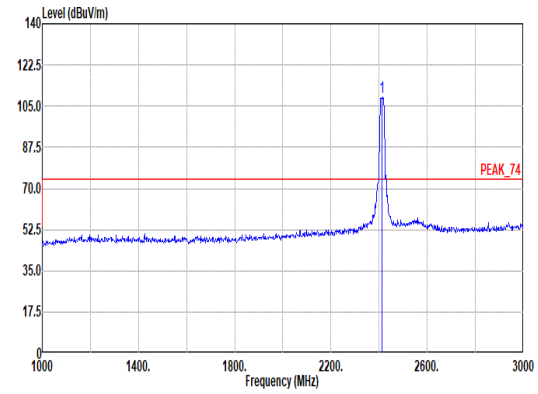
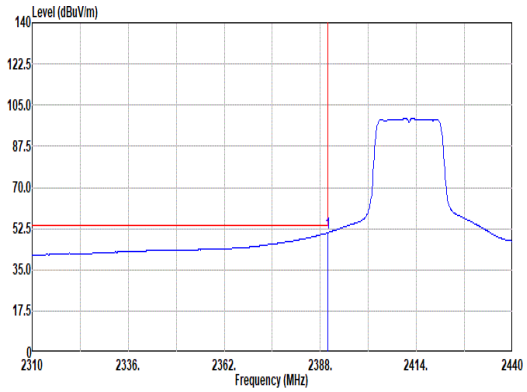
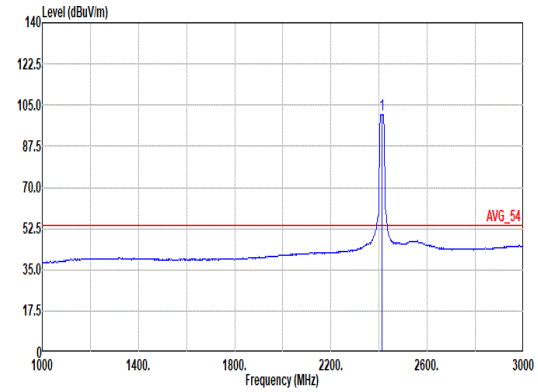
Mode	21	
	Band Edge	
	2400-2483.5_802.11g_CH10_2457MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.75 60.79 74.00 -13.21 53.10 27.80 6.93 36.97 9.93 400 106 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2457.00 102.49 ------ ------ 94.94 27.70 6.89 36.97 9.93 400 106 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.53 46.08 54.00 -7.92 38.39 27.80 6.93 36.97 9.93 400 106 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2457.00 94.86 ------ ------ 87.30 27.70 6.90 36.97 9.93 400 106 AVERAGE

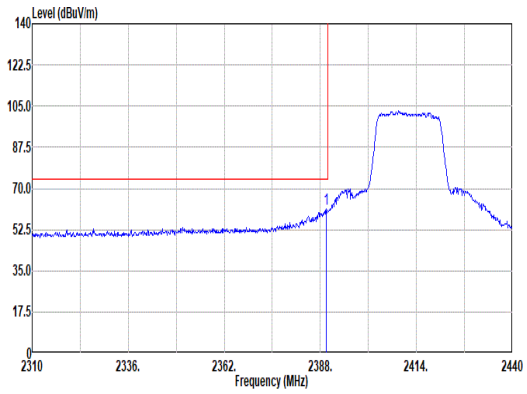
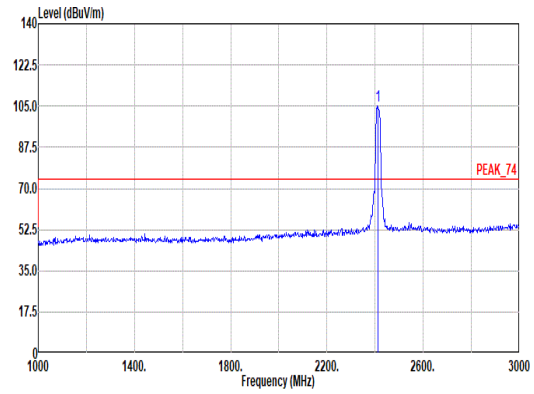
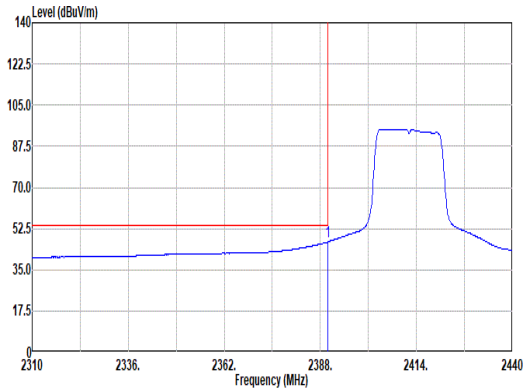
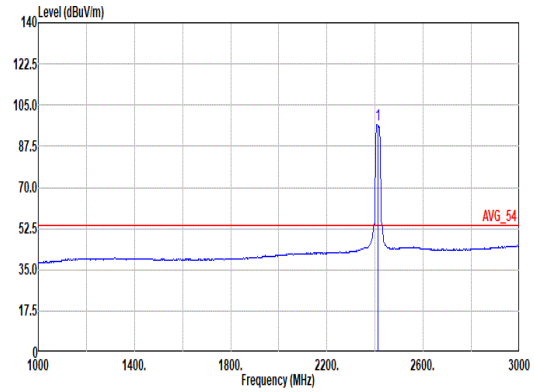
Mode	22	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 66.70 74.00 -7.30 59.07 27.80 6.87 36.97 9.93 329 172 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 108.34 ------ ------ 100.84 27.70 6.84 36.97 9.93 329 172 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 50.10 54.00 -3.90 42.47 27.80 6.87 36.97 9.93 329 172 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 100.04 ------ ------ 92.54 27.70 6.84 36.97 9.93 329 172 AVERAGE

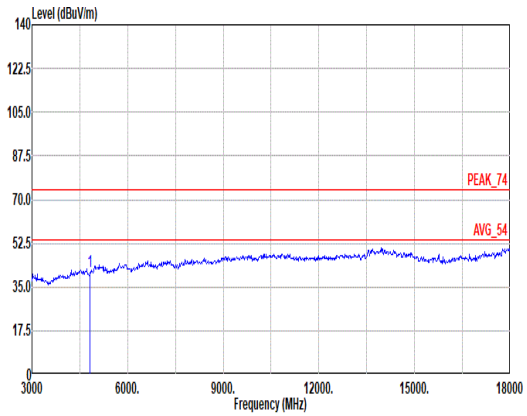
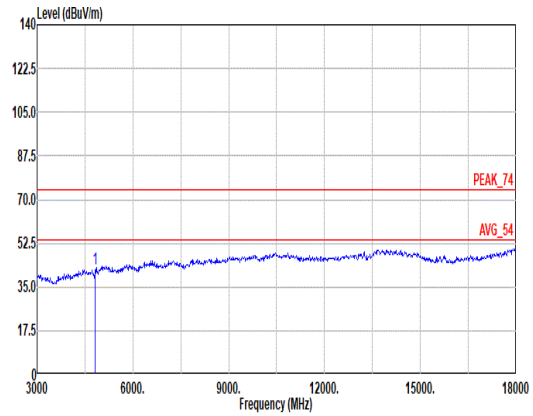
Mode	22	
	Band Edge	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.55 62.13 74.00 -11.87 54.50 27.80 6.87 36.97 9.93 373 85 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 102.10 ------ ------ 94.59 27.70 6.85 36.97 9.93 373 85 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 46.24 54.00 -7.76 38.61 27.80 6.87 36.97 9.93 373 85 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 94.51 ------ ------ 87.01 27.70 6.84 36.97 9.93 373 85 AVERAGE

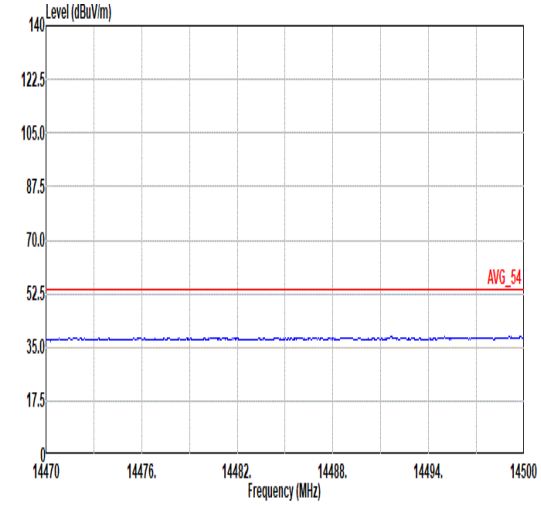
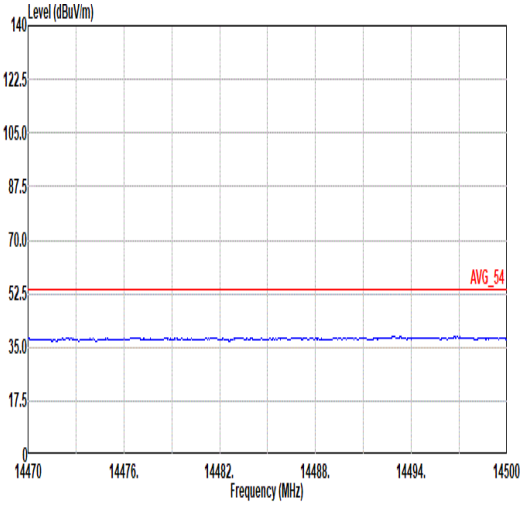
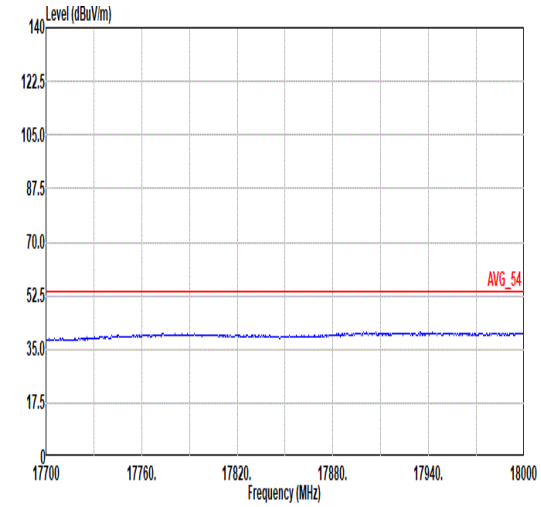
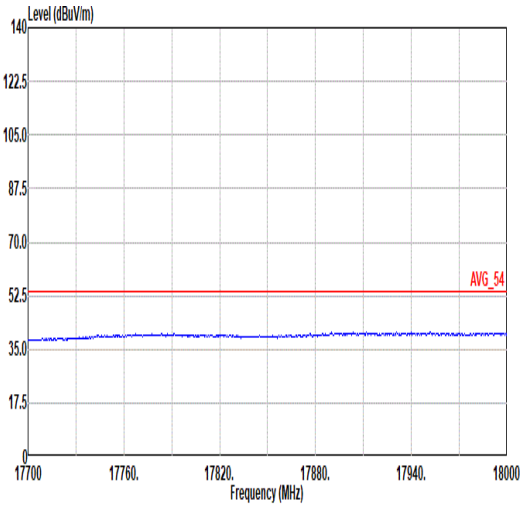
Mode	22	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 42.13 74.00 -31.87 55.57 32.94 10.08 57.17 0.71 -- -- PEAK 2 7386.00 44.52 74.00 -29.48 51.89 36.68 12.80 57.52 0.67 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 40.52 74.00 -33.48 53.96 32.94 10.08 57.17 0.71 -- -- PEAK 2 7386.00 44.04 74.00 -29.96 51.41 36.68 12.80 57.52 0.67 -- -- PEAK

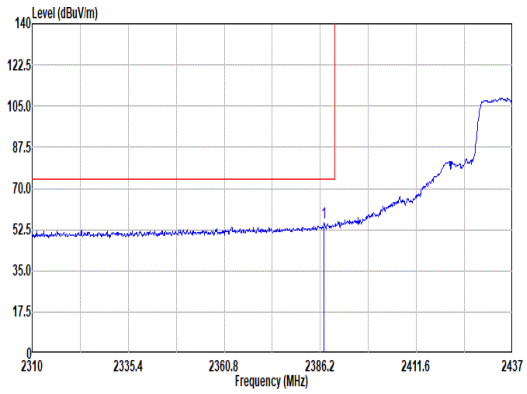
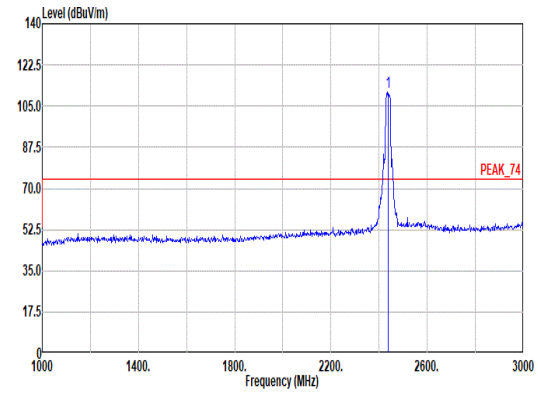
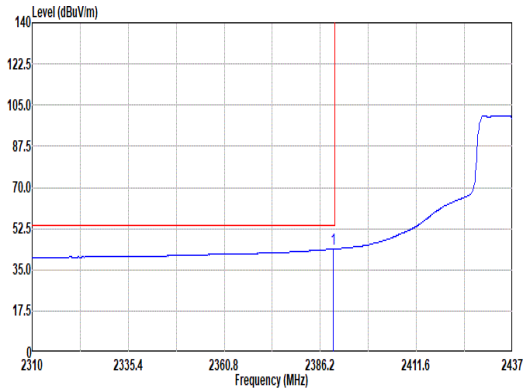
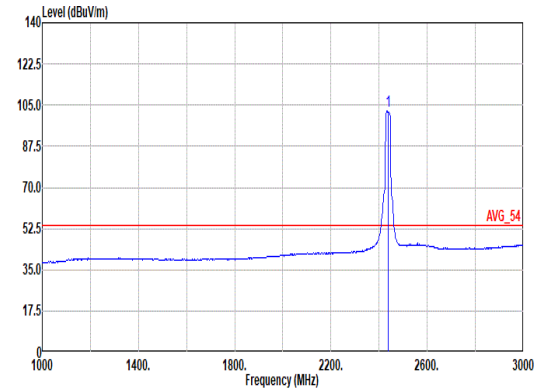
Mode	22	
	Harmonic	
	2400-2483.5_802.11g_CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

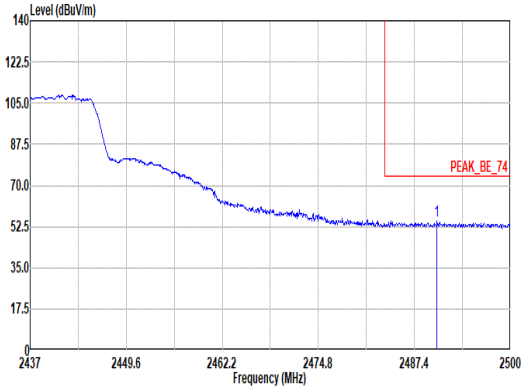
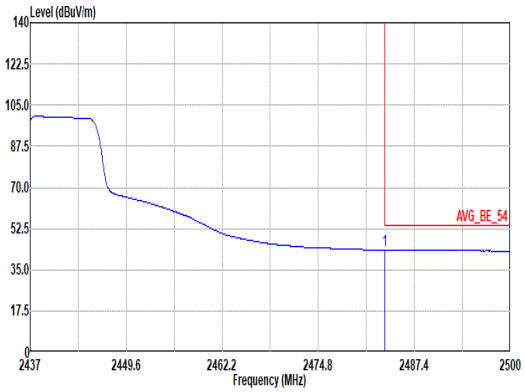
Mode	23	
	Band Edge	
	2400-2483.5_802.11n HT20 _CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.69 65.25 74.00 -8.75 58.05 27.50 6.74 36.97 9.93 308 170 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 108.95 ------ ------ 101.62 27.60 6.77 36.97 9.93 308 170 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 50.70 54.00 -3.30 43.50 27.50 6.74 36.97 9.93 308 170 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 101.02 ------ ------ 93.70 27.60 6.76 36.97 9.93 308 170 AVERAGE

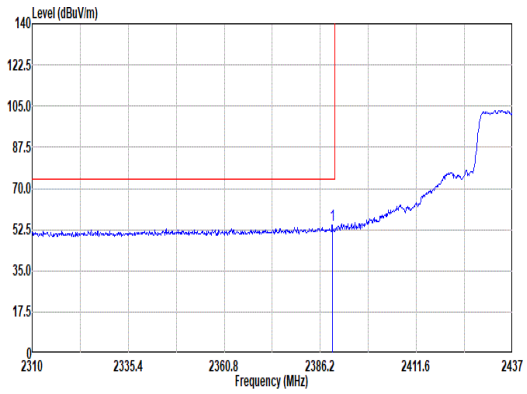
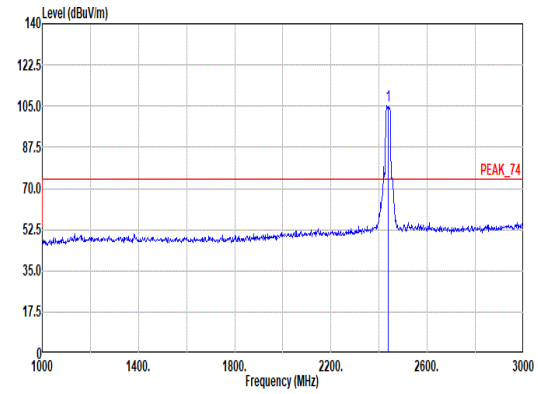
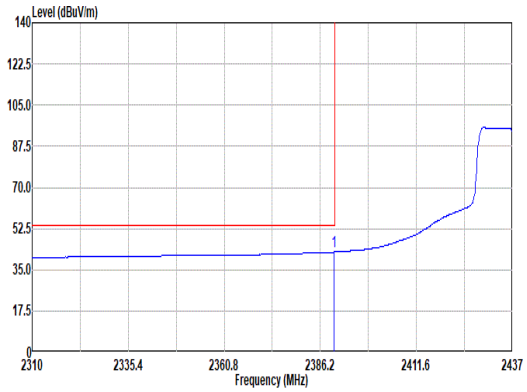
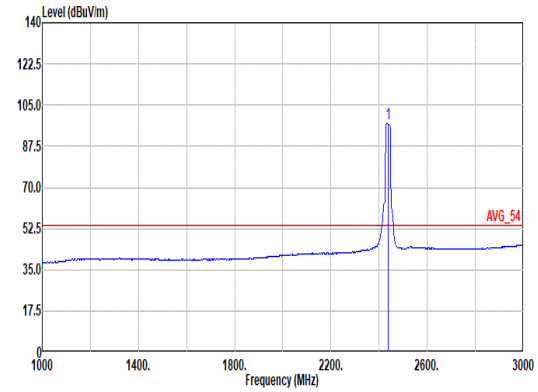
Mode	23	
	Band Edge	
	2400-2483.5_802.11n HT20 _CH01_2412MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.56 61.48 74.00 -12.52 54.28 27.50 6.74 36.97 9.93 350 81 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 105.13 ------ ------ 97.81 27.60 6.76 36.97 9.93 350 81 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.95 46.79 54.00 -7.21 39.59 27.50 6.74 36.97 9.93 350 81 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2412.00 96.72 ------ ------ 89.40 27.60 6.76 36.97 9.93 350 81 AVERAGE

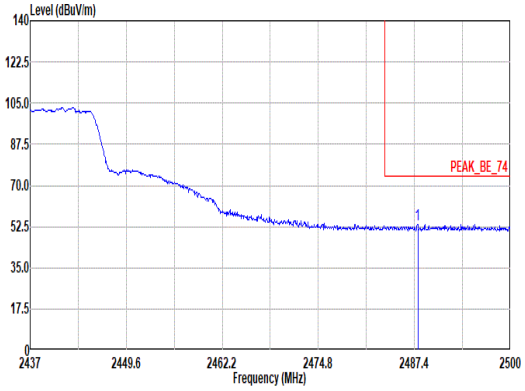
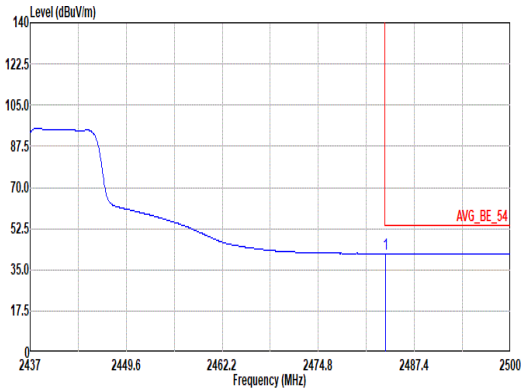
Mode	23	
	Harmonic	
	2400-2483.5_802.11n HT20 _CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 41.07 74.00 -32.93 55.79 32.50 9.47 57.39 0.70 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4824.00 42.03 74.00 -31.97 56.75 32.50 9.47 57.39 0.70 -- -- PEAK

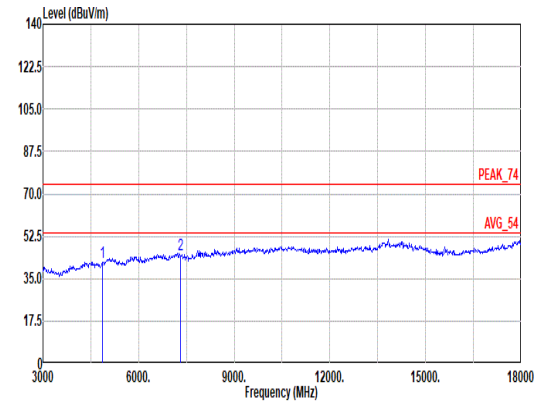
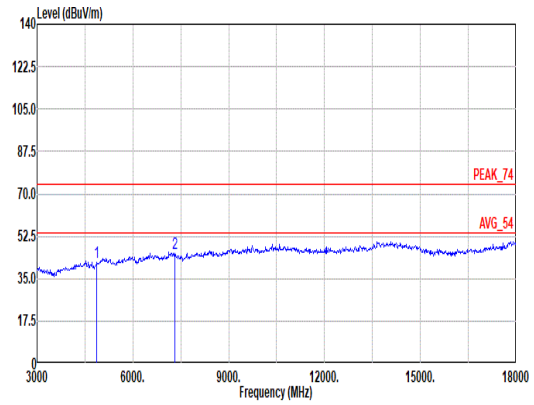
Mode	23	
	Harmonic	
	2400-2483.5_802.11n HT20 _CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

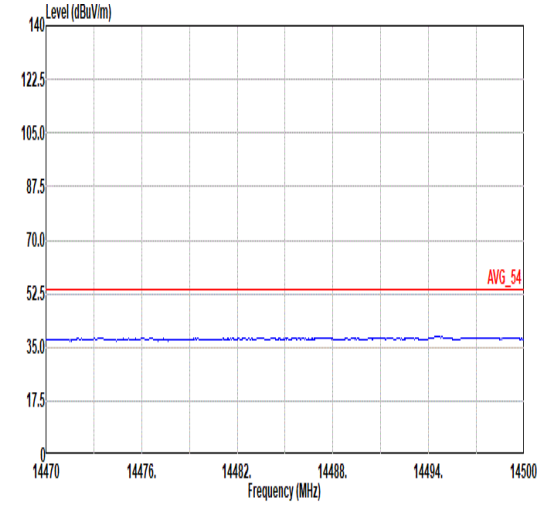
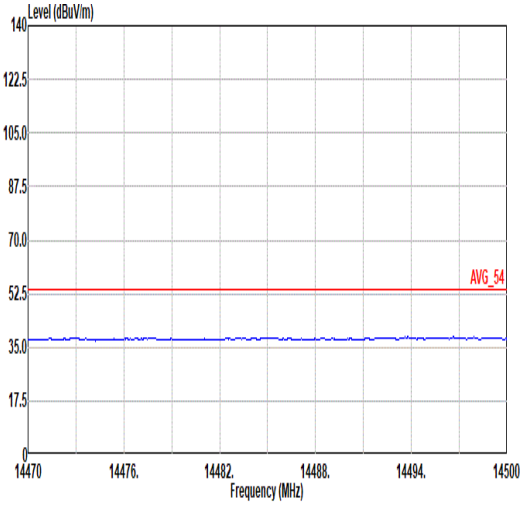
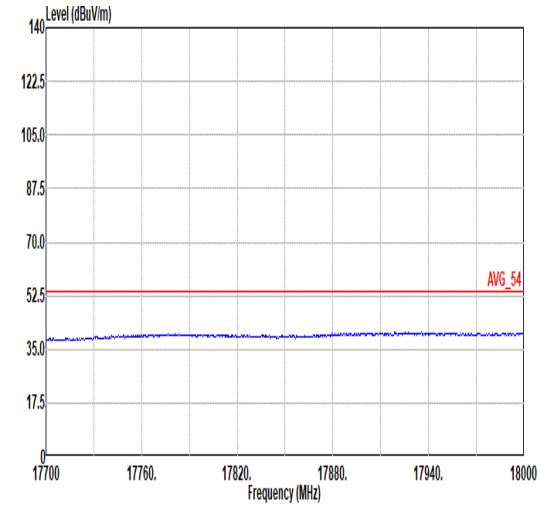
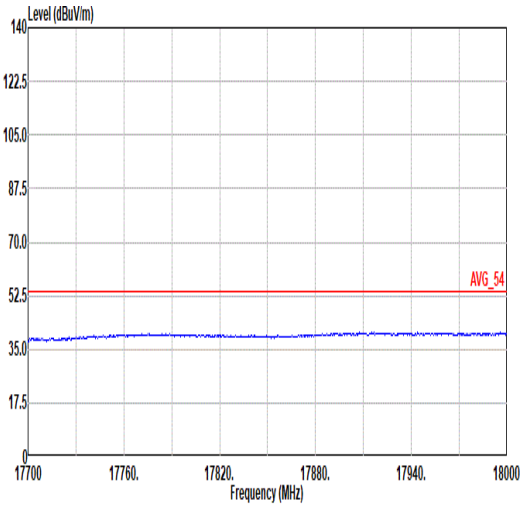
Mode	24	
	Band Edge - L	
	2400-2483.5_802.11n HT20 _CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2387.22 55.21 74.00 -18.79 48.05 27.47 6.73 36.97 9.93 300 36 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 111.04 ------ ------ 103.62 27.66 6.80 36.97 9.93 300 36 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.63 43.89 54.00 -10.11 36.69 27.50 6.74 36.97 9.93 300 36 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 102.38 ------ ------ 94.95 27.68 6.79 36.97 9.93 300 36 AVERAGE

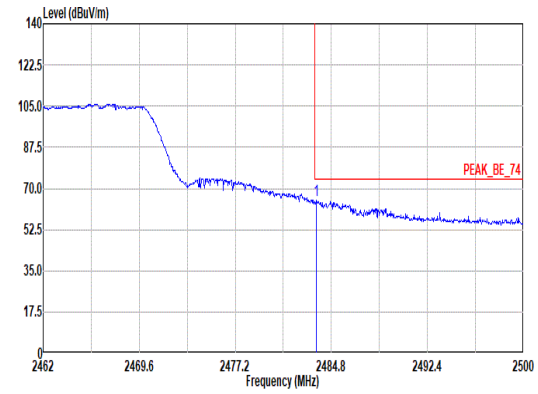
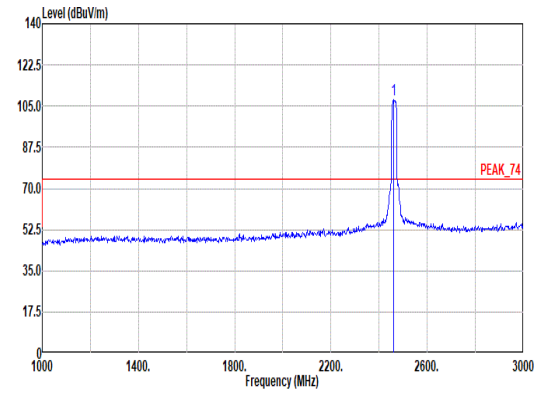
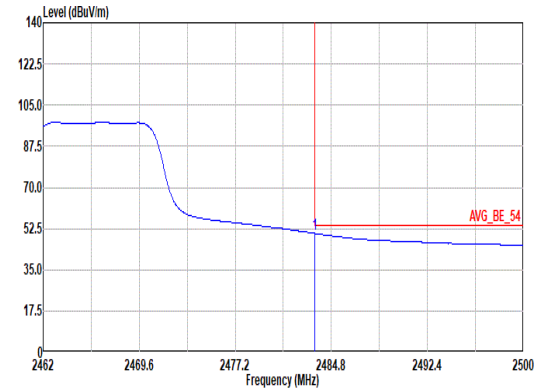
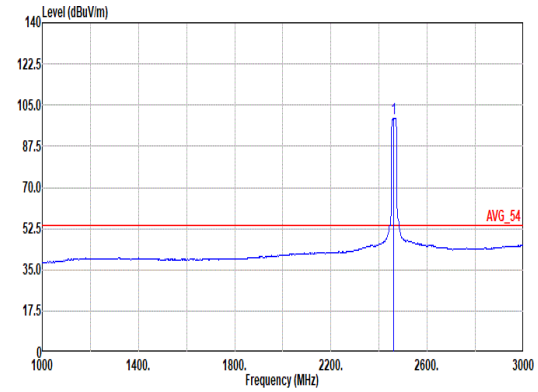
Mode	24	
	Band Edge - R	
	2400-2483.5_802.11n HT20 _CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2490.36 54.96 74.00 -19.04 47.32 27.80 6.88 36.97 9.93 300 36 PEAK	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.56 43.30 54.00 -10.70 35.67 27.80 6.87 36.97 9.93 300 36 AVERAGE	Blank

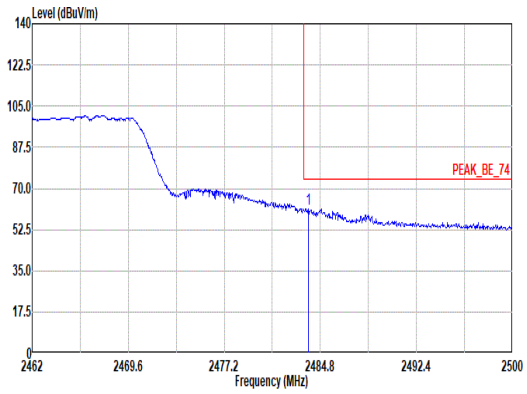
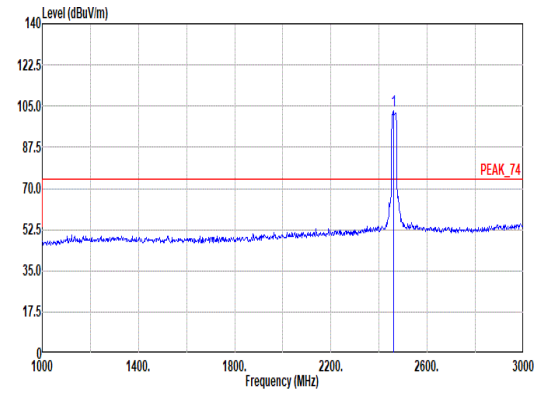
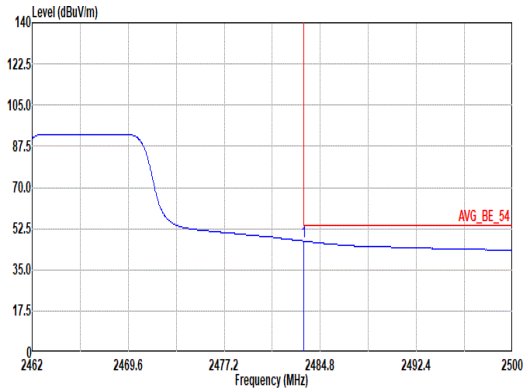
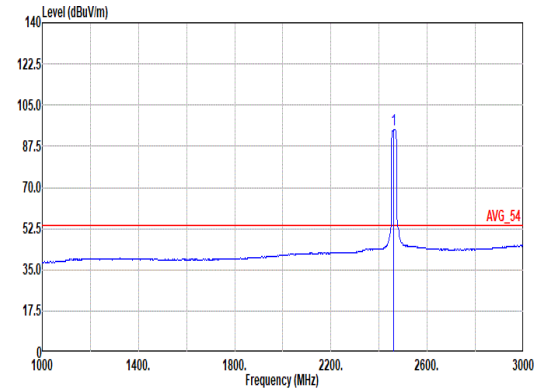
Mode	24	
	Band Edge - L	
	2400-2483.5_802.11n HT20 _CH06_2437MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.38 54.49 74.00 -19.51 47.30 27.49 6.74 36.97 9.93 300 47 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 104.92 ------ ------ 97.49 27.68 6.79 36.97 9.93 300 47 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2389.88 42.56 54.00 -11.44 35.36 27.50 6.74 36.97 9.93 300 47 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2437.00 97.27 ------ ------ 89.82 27.70 6.79 36.97 9.93 300 47 AVERAGE

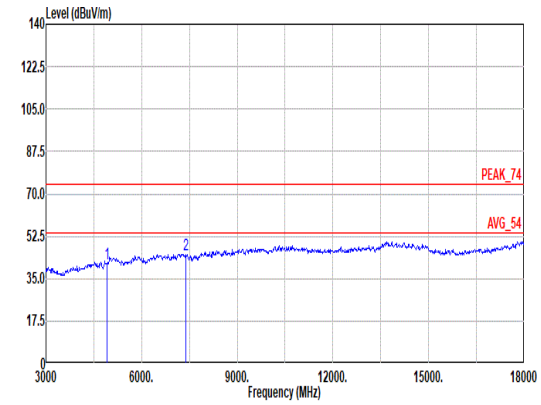
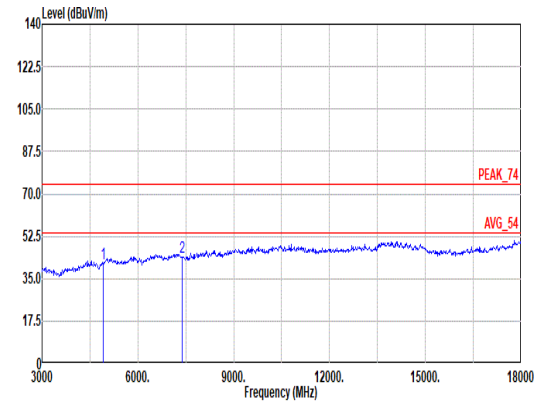
Mode	24	
	Band Edge - R	
	2400-2483.5_802.11n HT20 _CH06_2437MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2487.84 53.53 74.00 -20.47 45.90 27.80 6.87 36.97 9.93 300 47 PEAK	Blank
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Limit Read Ant Cable Preamp Aux APos TPos Freq Level Line Margin Level Factor Loss Factor Factor Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.62 41.83 54.00 -12.17 34.20 27.80 6.87 36.97 9.93 300 47 AVERAGE	Blank

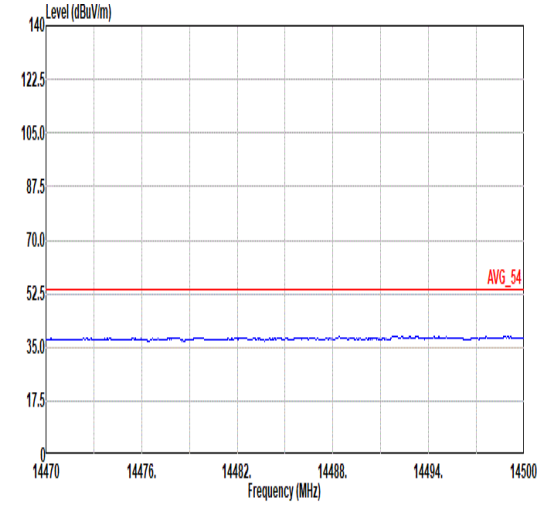
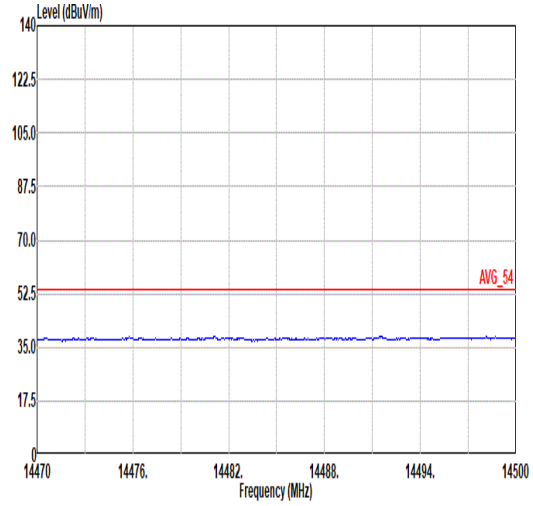
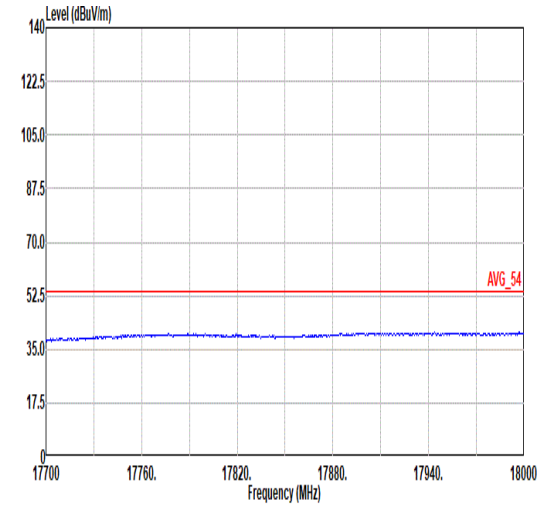
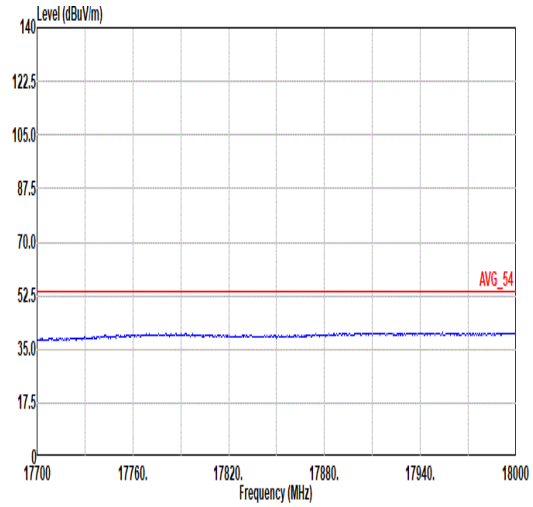
Mode	24	
	Harmonic	
	2400-2483.5_802.11n HT20 _CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 41.84 74.00 -32.16 55.94 32.70 9.77 57.28 0.71 -- -- PEAK 2 7311.00 44.67 74.00 -29.33 51.50 37.13 12.75 57.37 0.66 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4874.00 41.99 74.00 -32.01 56.09 32.70 9.77 57.28 0.71 -- -- PEAK 2 7311.00 45.33 74.00 -28.67 52.16 37.13 12.75 57.37 0.66 -- -- PEAK

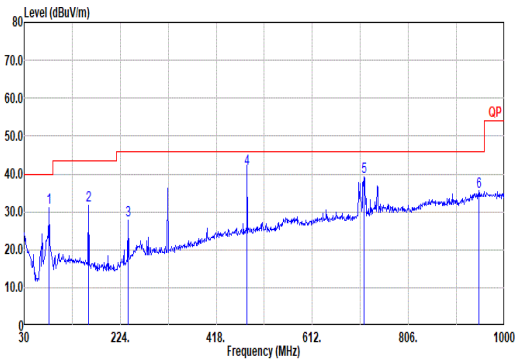
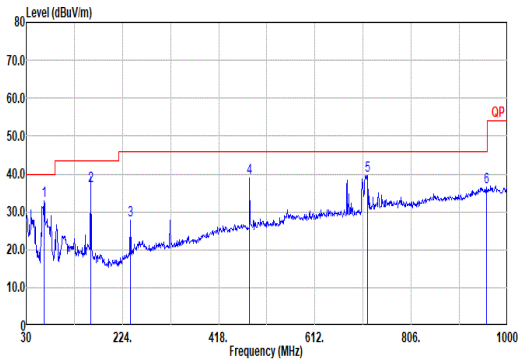
Mode	24	
	Harmonic	
	2400-2483.5_802.11n HT20 _CH06_2437MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

Mode	25	
	Band Edge	
	2400-2483.5_802.11n HT20 _CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.58 65.21 74.00 -8.79 57.58 27.80 6.87 36.97 9.93 328 173 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 107.68 ------ ------ 100.19 27.70 6.83 36.97 9.93 328 173 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 50.45 54.00 -3.55 42.82 27.80 6.87 36.97 9.93 328 173 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 99.46 ------ ------ 91.96 27.70 6.84 36.97 9.93 328 173 AVERAGE

Mode	25	
	Band Edge	
	2400-2483.5_802.11n HT20 _CH11_2462MHz	
ANT	1	
Pol.	Vertical	Fundamental
Peak	 Site : 03CH13-HY Condition: PEAK_BE_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.85 61.51 74.00 -12.49 53.88 27.80 6.87 36.97 9.93 370 85 PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 103.09 ------ ------ 95.60 27.70 6.83 36.97 9.93 370 85 PEAK
Avg	 Site : 03CH13-HY Condition: AVG_BE_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2483.51 47.20 54.00 -6.80 39.57 27.80 6.87 36.97 9.93 370 85 AVERAGE	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 2462.00 94.53 ------ ------ 87.03 27.70 6.84 36.97 9.93 370 85 AVERAGE

Mode	25	
	Harmonic	
	2400-2483.5_802.11n HT20 _CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak Avg	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 41.43 74.00 -32.57 54.87 32.94 10.08 57.17 0.71 -- -- PEAK 2 7386.00 45.06 74.00 -28.94 52.43 36.68 12.80 57.52 0.67 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 3m HORN_9120D_1326 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 4924.00 41.14 74.00 -32.86 54.58 32.94 10.08 57.17 0.71 -- -- PEAK 2 7386.00 43.91 74.00 -30.09 51.28 36.68 12.80 57.52 0.67 -- -- PEAK

Mode	25	
	Harmonic	
	2400-2483.5_802.11n HT20 _CH11_2462MHz	
ANT	1	
Pol.	Horizontal	Vertical
14.47G ~14.5G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL
17.7G ~18G Avg	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 HORIZONTAL	 Site : 03CH13-HY Condition: AVG_54 3m HORN_9120D_1326 VERTICAL

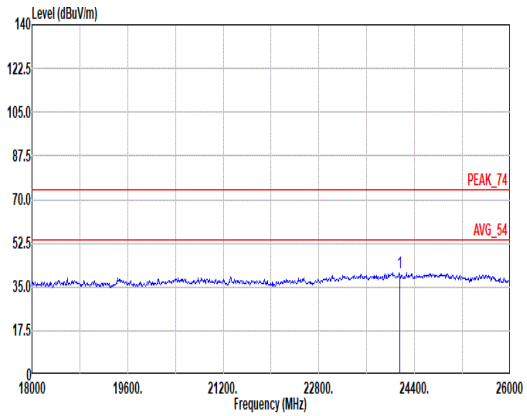
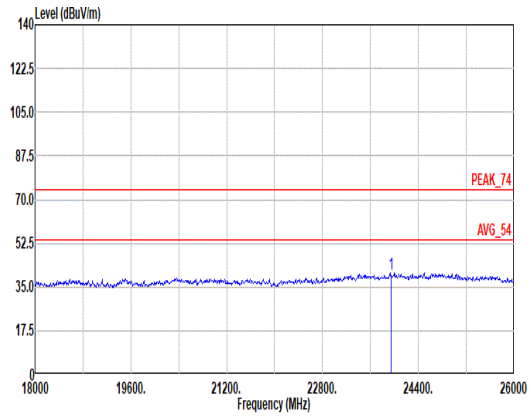
Mode	26	
	LF	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
QP/ Peak		

Site : 03CH13-HY
Condition: QP 3m BILOG_40103 HORIZONTAL

	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	80.44	30.96	40.00	-9.04	48.06	13.36	1.41	31.93	0.06	--	--	Peak
2	159.98	31.77	43.50	-11.73	45.15	16.50	1.90	31.89	0.11	--	--	Peak
3	240.49	27.83	46.00	-18.17	39.80	17.37	2.29	31.74	0.11	--	--	Peak
4	480.08	41.47	46.00	-4.53	46.38	23.60	3.15	31.77	0.11	177	109	QP
5	715.79	39.11	46.00	-6.89	39.85	27.03	3.80	31.71	0.14	--	--	PEAK
6	947.62	35.47	46.00	-10.53	30.80	30.90	4.27	30.70	0.20	--	--	Peak

Site : 03CH13-HY
Condition: QP 3m BILOG_40103 VERTICAL

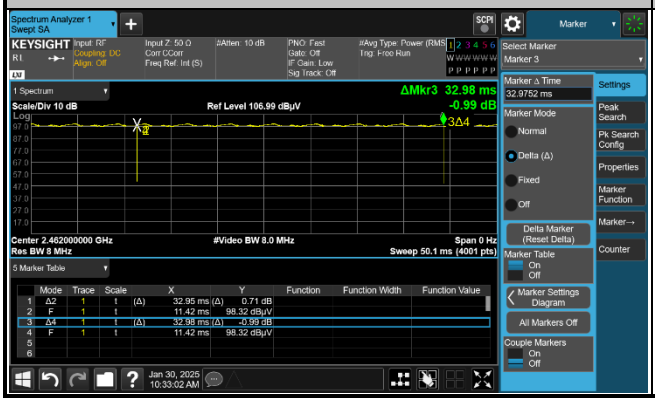
	Freq	Level	Limit Line	Margin	Read Level	Ant Factor	Cable Loss	Preamp Factor	Aux Factor	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	
1	65.89	32.90	40.00	-7.10	51.51	11.91	1.31	31.91	0.08	--	--	PEAK
2	159.98	36.98	43.50	-6.52	50.36	16.50	1.90	31.89	0.11	100	69	QP
3	240.49	27.88	46.00	-18.12	39.85	17.37	2.29	31.74	0.11	--	--	Peak
4	480.08	39.05	46.00	-6.95	43.96	23.60	3.15	31.77	0.11	--	--	Peak
5	718.70	39.64	46.00	-6.36	40.24	27.15	3.81	31.70	0.14	--	--	PEAK
6	958.29	36.62	46.00	-9.38	31.70	31.00	4.30	30.59	0.21	--	--	Peak

Mode	27	
	SHF	
	2400-2483.5_802.11b_CH01_2412MHz	
ANT	1	
Pol.	Horizontal	Vertical
Peak	 Site : 03CH13-HY Condition: PEAK_74 1m SHF_00993_231124 HORIZONTAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 24146.00 40.51 74.00 -33.49 58.09 38.71 6.96 53.71 -9.54 -- -- PEAK	 Site : 03CH13-HY Condition: PEAK_74 1m SHF_00993_231124 VERTICAL Freq Level Limit Line Margin Read Level Ant Factor Cable Loss Preamp Factor Aux Factor APos TPos Remark MHz dBuV/m dBuV/m dB dBuV dB/m dB dB dB cm deg 1 23941.06 39.94 74.00 -34.06 57.80 38.63 6.89 53.84 -9.54 -- -- PEAK

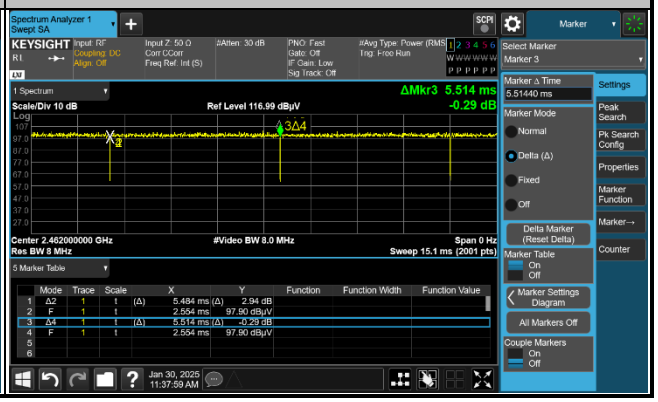
Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11b	99.91	-	-	10Hz
802.11g	99.46	-	-	10Hz
2.4GHz 802.11n HT20	99.39	-	-	10Hz

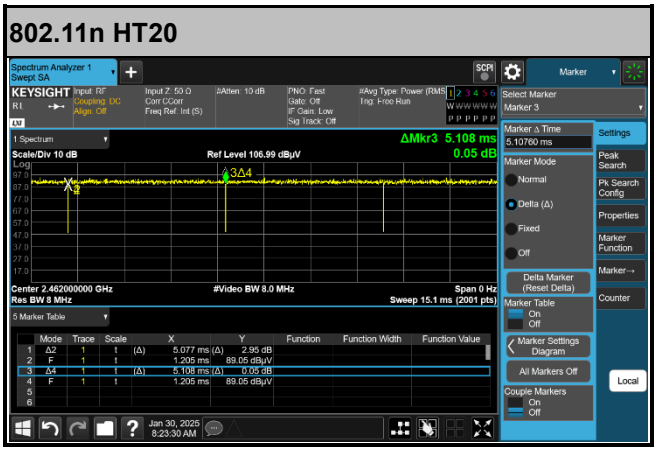
802.11b



802.11g



802.11n HT20



——————THE END——————