RF TEST REPORT

For

Shenzhen Weihejia Electronic Technology Co.,LTD

Product Name: BHWW Laptop

Model(s).: BaseBook

Report Reference No.	:	**POCE230918001RF003**
FCC ID	:	**2AXKI-WH160BP**
Applicant's Name	:	Shenzhen Weihejia Electronic Technology Co.,LTD
Address	:	Block 102, Building 9, Xihu Industrial park, Xikeng community, Yuanshan street, Longgang district, Shenzhen, China
Testing Laboratory	:	Shenzhen POCE Technology Co., Ltd.
Address	:	H1 Building 102, H Building 1/F, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China
Test Specification Standard	:	**47 CFR Part 15.247** **ANSI C63.10-2013 & KDB 558074 D01 Meas Guidance v05r02**
Date of Receipt	:	September 18, 2023
Date of Test	:	September 18, 2023 to October 8, 2023
Data of Issue	:	October 8, 2023
Result	:	**Pass**

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Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	POCE230918001RF003	October 8, 2023

NOTE1:
The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

Compiled by:	Supervised by:	Approved by:
Stone Yin / File administrators	Tom Chen / Technique principal	Machael Mo/ Manager

CONTENTS

1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

47 CFR Part 15.247: Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

1.2 Summary of Test Result

Item	Standard	Method	Result
Antenna requirement	47 CFR Part 15.247		Pass
Conducted Emission at AC power line	47 CFR Part 15.247	ANSI C63.10-2013 section 6.2	Pass
Occupied Bandwidth	47 CFR Part 15.247	ANSI C63.10-2013, section 11.8	Pass
Maximum Conducted Output Power	47 CFR Part 15.247	ANSI C63.10-2013, section 11.9.2	Pass
Power Spectral Density	47 CFR Part 15.247	ANSI C63.10-2013, section 11.10	Pass
Emissions in non-restricted frequency bands	47 CFR Part 15.247	ANSI C63.10-2013 section 11.11	Pass
Band edge emissions (Radiated)	47 CFR Part 15.247	ANSI C63.10-2013 section 6.10	Pass
Emissions in frequency bands (below 1GHz)	47 CFR Part 15.247	ANSI C63.10-2013 section 6.6.4	Pass
Emissions in frequency bands (above 1GHz)	47 CFR Part 15.247	ANSI C63.10-2013 section 6.6.4	Pass

Note: 1.N/A -this device(EUT) is not applicable to this testing item
2. RF-conducted test results including cable loss.

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name	:	Shenzhen Weihejia Electronic Technology Co.,LTD
Address	:	Block 102, Building 9, Xihu Industrial park, Xikeng community, Yuanshan street, Longgang district, Shenzhen, China
Manufacturer	:	Shenzhen Weihejia Electronic Technology Co.,LTD
Address	:	Block 102, Building 9, Xihu Industrial park, Xikeng community, Yuanshan street, Longgang district, Shenzhen, China

2.2 Description of Device (EUT)

Product Name:	BHWW Laptop
Sample number:	230909009-2
Model/Type reference:	BaseBook
Model Difference:	N/A
Trade Mark:	N/A
Product Description:	Laptop
Power Supply:	DC 19V 3.420A from adapter ; DC11.55V from battery
Operation Frequency:	802.11b/g/n(HT20): 2412MHz to 2462MHz; 802.11n(HT40): 2422MHz to 2452MHz
Number of Channels:	802.11b/g/n(HT20): 11 Channels; 802.11n(HT40): 7 Channels
Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK); 802.11g: OFDM(BPSK, QPSK, 16QAM, 64QAM); 802.11n(HT20 and HT40): OFDM (BPSK, QPSK, 16QAM, 64QAM)
Antenna Type:	FPC ANTENNA
Antenna Gain:	ANT1: 2.55dBi ; ANT2:2.76dBi MIMO: 2.65 dBi
Hardware Version:	94-0
Software Version:	V1.0

According to KDB662911 D01 Multiple Transmitter Output v02r01, the MIMO antenna is increased to Direct gain=10 log [(10G1/10+10G2/10+...+10GN/10)/NANT] dBi=2.65dBi

Operation Frequency each of channel

Channel	Frequency	Channel	Frequency
1	2412 MHz	7	2442 MHz
2	2417 MHz	8	2447 MHz
3	2422 MHz	9	2452 MHz
4	2427 MHz	10	2457 MHz
5	2432 MHz	11	2462 MHz
6	2437 MHz	/	/

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

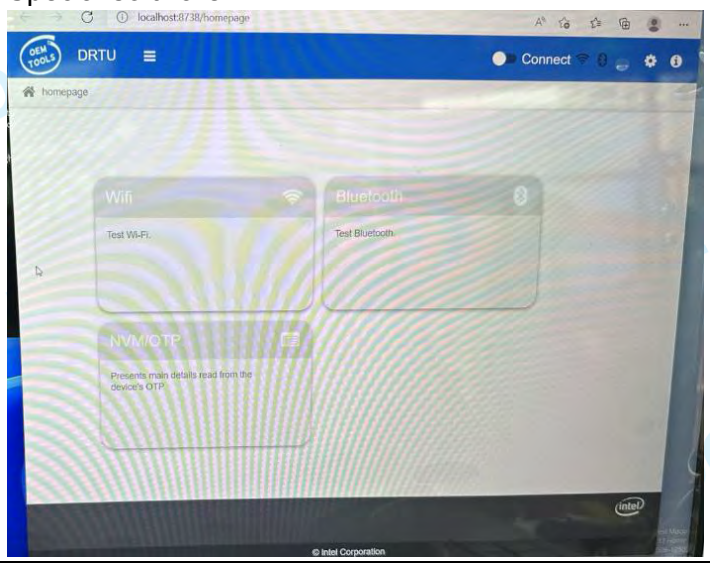
	802.11b/g/n(HT20)
Test channel	**Frequency (MHz)**

Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz

	802.11n(HT40)
Test channel	**Frequency (MHz)**
Lowest channel	2422MHz
Middle channel	2437MHz
Highest channel	2452MHz

2.3 Description of Test Modes

No	**Title**	**Description**
TM1	802.11b mode	Keep the EUT in continuously transmitting mode with 802.11b modulation type. All bandwidth and data rates has been tested and found the data rate @ 11Mbps is the worst case. Only the data of worst case is recorded in the report.
TM2	802.11g mode	Keep the EUT in continuously transmitting mode with 802.11g modulation type. All bandwidth and data rates has been tested and found the data rate @ 54Mbps is the worst case. Only the data of worst case is recorded in the report.
TM3	802.11n(HT20) mode	Keep the EUT in continuously transmitting mode with 802.11 n(HT20) modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS7 is the worst case. Only the data of worst case is recorded in the report.
TM4	802.11n(HT40) mode	Keep the EUT in continuously transmitting mode with 802.11 n(H40) modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS7 is the worst case. Only the data of worst case is recorded in the report.
TM5	802.11n(HT20) MIMO mode	Keep the EUT in continuously transmitting mode with 802.11 n(HT20) modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS7 is the worst case. Only the data of worst case is recorded in the report.
TM6	802.11n(HT40) MIMO mode	Keep the EUT in continuously transmitting mode with 802.11 n(H40) modulation type. All bandwidth and data rates has been tested and found the data rate @ MCS7 is the worst case. Only the data of worst case is recorded in the report.
Description		
Keep the EUT works in continuously transmitting mode with GFSK modulation.		
☒Special software is used. ☐Through engineering command into the engineering mode. engineering command: *#*#3646633#*#* ☐Other method:		

	Special software: 

2.4 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Description	Manufacturer	Model No.	Remark	Certification
1	ADAPTER	SHENZHEN BAOCHANGTONG TECHNOLOGY CO.,LTD	BCT190342-105DZ	Provide by client	SDOC
2					

2.5 Equipments Used During The Test

Conducted Emission at AC power line					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal. Due Date**
Shielding room	CY	8*4*3	20160102	2023/1/26	2025/1/25
Pulse Limiter	Schwarzbeck	VTSD 9561	561-G071	2023/2/27	2024/2/26
Cable	Schwarzbeck	/	/	2023/2/27	2024/2/26
Test Receiver	Rohde & Schwarz	ESPI	1164.6607K03-102109-MH	2023/6/13	2024/6/12
L.I.S.N	R&S	ESH3-Z5	831.5518.52	2022/12/29	2023/12/28
L.I.S.N	Schwarzbeck	NSLK 8126	NSLK 8126	2023/8/8	2024/8/7
50ΩCoaxial Switch	Anritsu	MP59B	M20531	/	/
EMI Testsoftware	Farad	EZ -EMC	V1.1.42	/	/

Emissions in restricted frequency bands and RF					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Test Receiver	R&S	ESCI	102109	2023/6/13	2024/6/12
Spectrum Analyzer	R&S	FSP30	1321.3008K40-101729-jR	2023/6/14	2024/6/13
966 Chamber	CY	9*6*6	20160101	2023/1/26	2025/1/25

Bore-sighting Antenna rack	PBB	1308503	16033	/	/
Loop antenna	ZHINAN	ZN30900C	ZN30900C	2021/7/5	2024/7/4
Broadband Antenna	Sunol Sciences	JB6 Antenna	A090414	2023/5-21	2025/5-20
Horn Antenna	Sunol Sciences	DRH-118	A091114	2023/5/13	2025/5/12
Horn antenna	COM-POWER	AH-1840(40G)	10100008	2023/4/5	2025/4/4
Power APM(LF)	Schwarzbeck	BBV9743	9743-151	2023/6/13	2024/6/12
Power APM(HF)	Schwarzbeck	BBV9718	9718-282	2023/6/13	2024/6/12
Cable(LF)#2	Schwarzbeck	/	/	2023/2/27	2024/2/26
Cable(LF)#1	Schwarzbeck	/	/	2023/2/27	2024/2/26
Cable(HF)#2	Schwarzbeck	AK9515E	96250	2023/2/28	2024/2/27
Cable(HF)#1	Schwarzbeck	SYV-50-3-1	/	2023/2/27	2024/2/26
Power divider	MIDEWEST	PWD-2533	SMA-79	2023/5/11	2026/5/10
signal generator	Keysight	N5181A	MY48180415	2022/12/10	2023/12/9
signal generator	Keysight	N5182A	MY50143455	2022/12/29	2023/12/28
Spectrum Analyzer	Keysight	N9020A	MY53420323	2022/12/29	2023/12/28
Power meter	Agilent	E4417A	MY45102835	2022/12/29	2023/12/28
RF Sensor Unit	TACHOY	TR1029-2	000001	/	/
RF Control Unit	TACHOY	TR1029-1	000001	/	/
Position Controller	MF	MF-7802	/	/	/
EMI Testsoftware	Farad	EZ -EMC	V1.1.42	/	/
RF TestSoftware	TACHOY	RTS-01	V2.0.0.0	/	/

2.6 Statement Of The Measurement Uncertainty

Test Item	**Measurement Uncertainty**
Conducted Disturbance (0.15~30MHz)	±3.41dB
Occupied Bandwidth	±3.63%
RF conducted power	±0.733dB
RF power density	±0.234%
Conducted Spurious emissions	±1.98dB
Radiated Emission (Above 1GHz)	±5.46dB
Radiated Emission (Below 1GHz)	±5.79dB
Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

2.7 Authorizations

Company Name:	Shenzhen POCE Technology Co., Ltd.
Address:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park, Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252

Identification of the Responsible Testing Location

Company Name:	Shenzhen POCE Technology Co., Ltd.
Address:	101-102 Building H5 & 1/F., Building H, Hongfa Science & Technology Park,

	Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China
Phone Number:	+86-13267178997
Fax Number:	86-755-29113252
FCC Registration Number:	0032847402
Designation Number:	CN1342
Test Firm Registration No.:	778666
A2LA Certificate Number:	6270.01

2.8 Announcement

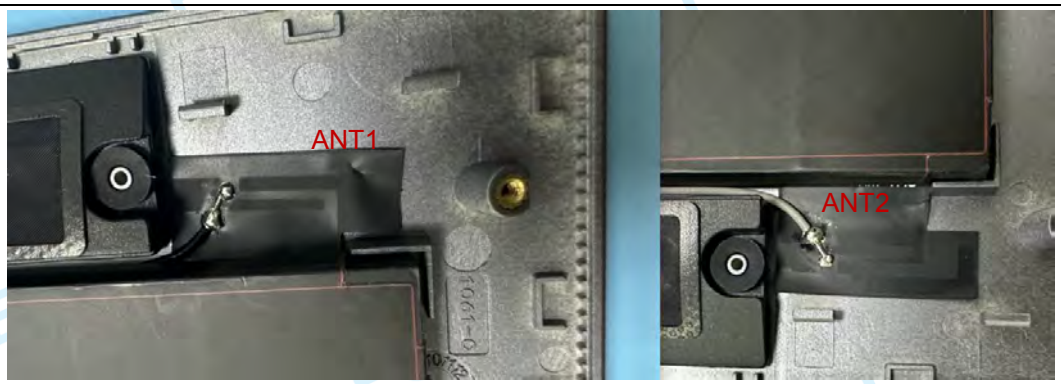
(1) The test report reference to the report template version v0.
(2) The test report is invalid if not marked with the signatures of the persons responsible for preparing, reviewing and approving the test report.
(3) The test report is invalid if there is any evidence and/or falsification.
(4) This document may not be altered or revised in any way unless done so by POCE and all revisions are duly noted in the revisions section.
(5) Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
(6) We hereby declare that the laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant. the laboratory is not responsible for the accuracy of the information provided by the client. When the information provided by the customer may affect the effectiveness of the results, the responsibility lies with the customer, and the laboratory does not assume any responsibility.

3 Evaluation Results (Evaluation)

3.1 Antenna requirement

Test Requirement:	Refer to 47 CFR Part 15.203, 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.

3.1.1 Conclusion:



4 Radio Spectrum Matter Test Results (RF)

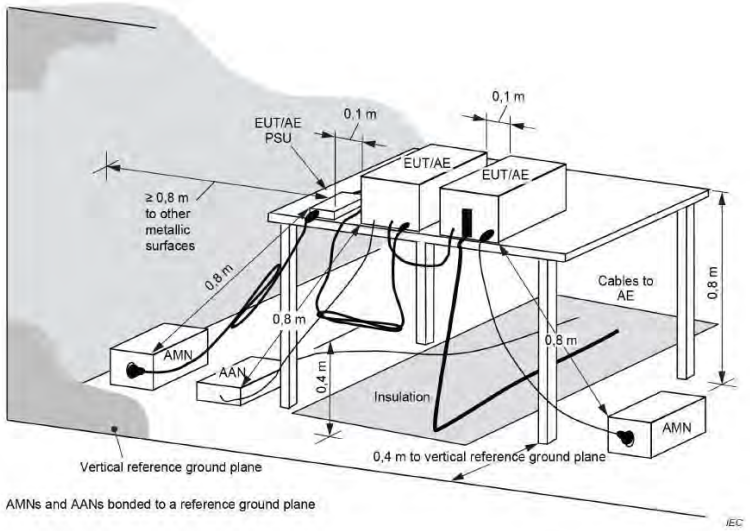
4.1 Conducted Emission at AC power line

Test Requirement:	Refer to 47 CFR 15.207(a), Except as shown in paragraphs (b)and (c)of this section, for an intentional radiator 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, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).
Test Limit:	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.
Test Method:	ANSI C63.10-2013 section 6.2
Procedure:	Refer to ANSI C63.10-2013 section 6.2, standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.1 E.U.T. Operation:

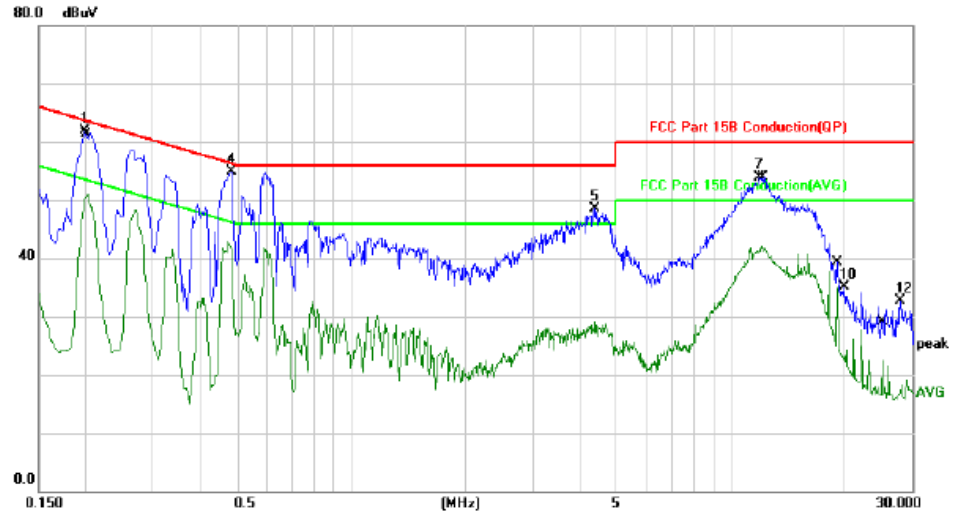
Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM5				
Final test mode:	TM5				

4.1.2 Test Setup Diagram:



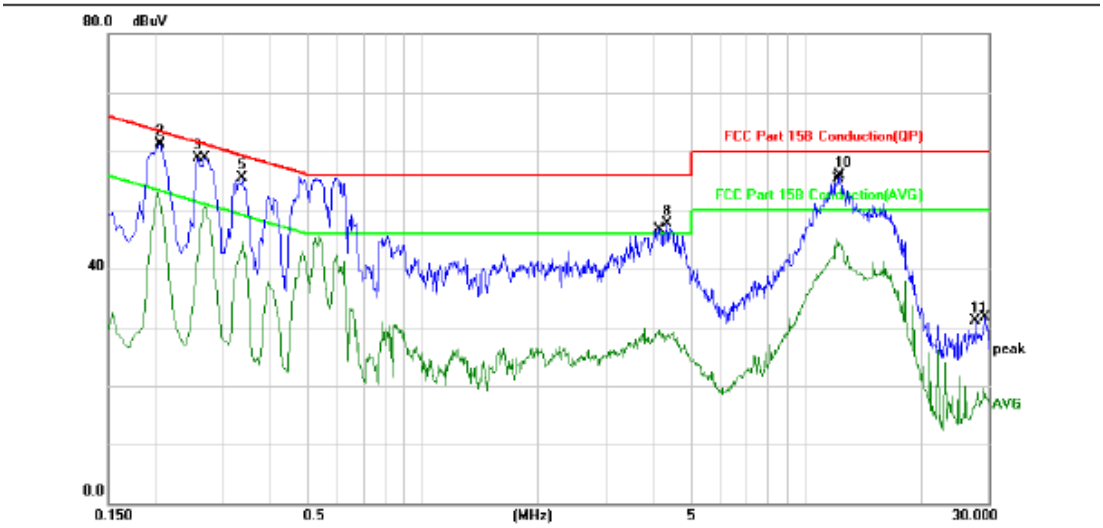
4.1.3 Test Data:

TM5 / Line: Line / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1980	51.86	10.03	61.89	63.69	-1.80	peak	
2		0.2020	41.00	10.04	51.04	53.52	-2.48	AVG	
3		0.4740	32.86	9.98	42.84	46.44	-3.60	AVG	
4	*	0.4820	45.02	9.98	55.00	56.30	-1.30	peak	
5		4.3979	38.32	10.10	48.42	56.00	-7.58	peak	
6		4.3979	18.96	10.10	29.06	46.00	-16.94	AVG	
7		11.8659	43.49	10.44	53.93	60.00	-6.07	peak	
8		12.0379	31.63	10.44	42.07	50.00	-7.93	AVG	
9		19.0619	24.51	10.46	34.97	50.00	-15.03	AVG	
10		19.8979	24.59	10.46	35.05	60.00	-24.95	peak	
11		25.0820	11.93	10.52	22.45	50.00	-27.55	AVG	
12		27.9700	22.11	10.58	32.69	60.00	-27.31	peak	

TM5 / Line: Neutral / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: L



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.2020	42.96	10.04	53.00	53.52	-0.52	AVG	
2		0.2060	51.34	10.04	61.38	63.36	-1.98	peak	
3		0.2580	48.93	10.03	58.96	61.49	-2.53	peak	
4		0.2700	40.44	10.02	50.46	51.12	-0.66	AVG	
5		0.3379	45.54	10.01	55.55	59.25	-3.70	peak	
6		0.3379	34.64	10.01	44.65	49.25	-4.60	AVG	
7		4.1259	19.32	10.09	29.41	46.00	-16.59	AVG	
8		4.3339	37.51	10.10	47.61	56.00	-8.39	peak	
9		12.0419	34.74	10.44	45.18	50.00	-4.82	AVG	
10		12.2299	45.44	10.44	55.88	60.00	-4.12	peak	
11		27.7420	20.61	10.57	31.18	60.00	-28.82	peak	
12		29.0940	9.06	10.59	19.65	50.00	-30.35	AVG	

NOTE:
1.An initial pre-scan was performed on the line and neutral lines with peak detector.
2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3.Mesurement Level = Reading level + Correct Factor, Over=Limit- Mesurement
4. The test results only show the worst mode or worst channel.

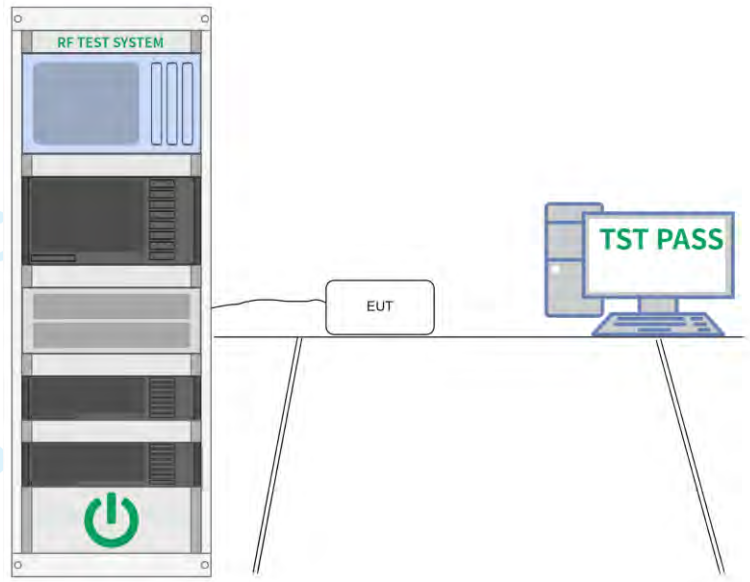
4.2 Occupied Bandwidth

Test Requirement:	47 CFR 15.247(a)(2)
Test Limit:	Refer to 47 CFR 15.247(a)(2), Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method:	ANSI C63.10-2013, section 11.8
Procedure:	a) Set RBW = 100 kHz. b) Set the VBW >= [3 × RBW]. c) Detector = peak. d) Trace mode = max hold. e) Sweep = auto couple. f) Allow the trace to stabilize. g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

4.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM1, TM2, TM3, TM4,				
Final test mode:	TM1, TM2, TM3, TM4				

4.2.2 Test Setup Diagram:



4.2.3 Test Data:

Please Refer to Appendix for Details.

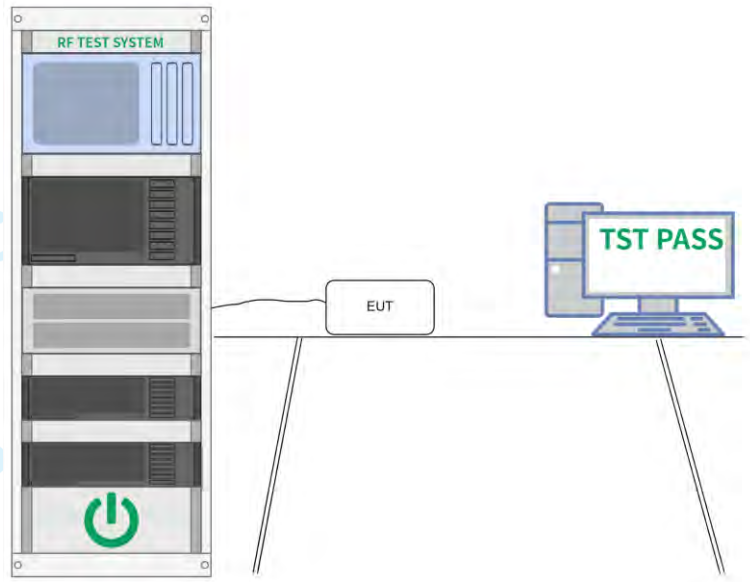
4.3 Maximum Conducted Output Power

Test Requirement:	47 CFR 15.247(b)(3)
Test Limit:	Refer to 47 CFR 15.247(b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method:	ANSI C63.10-2013, section 11.9.2
Procedure:	ANSI C63.10-2013, section 11.9.2 Maximum conducted (average) output power

4.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6				
Final test mode:	TM1, TM2, TM3, TM4, TM5, TM6				

4.3.2 Test Setup Diagram:



4.3.3 Test Data:

Please Refer to Appendix for Details.

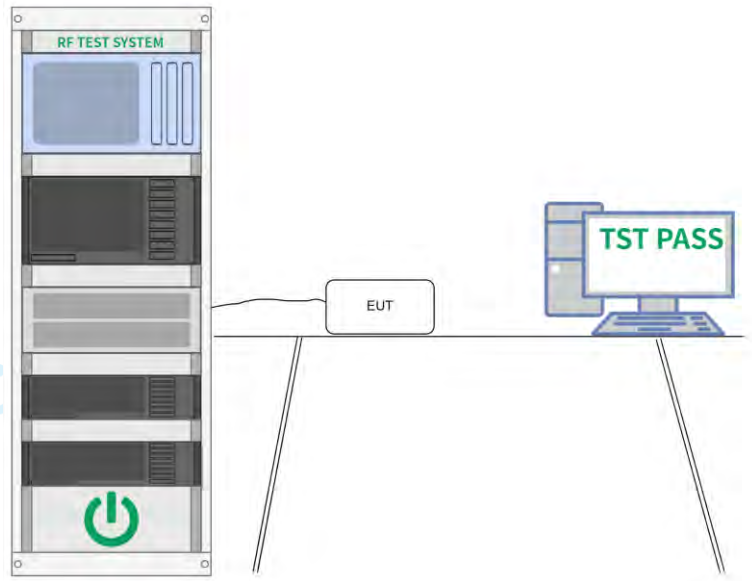
4.4 Power Spectral Density

Test Requirement:	47 CFR 15.247(e)
Test Limit:	Refer to 47 CFR 15.247(e), For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method:	ANSI C63.10-2013, section 11.10
Procedure:	ANSI C63.10-2013, section 11.10, Maximum power spectral density level in the fundamental emission

4.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6				
Final test mode:	TM1, TM2, TM3, TM4, TM5, TM6				

4.4.2 Test Setup Diagram:



4.4.3 Test Data:

Please Refer to Appendix for Details.

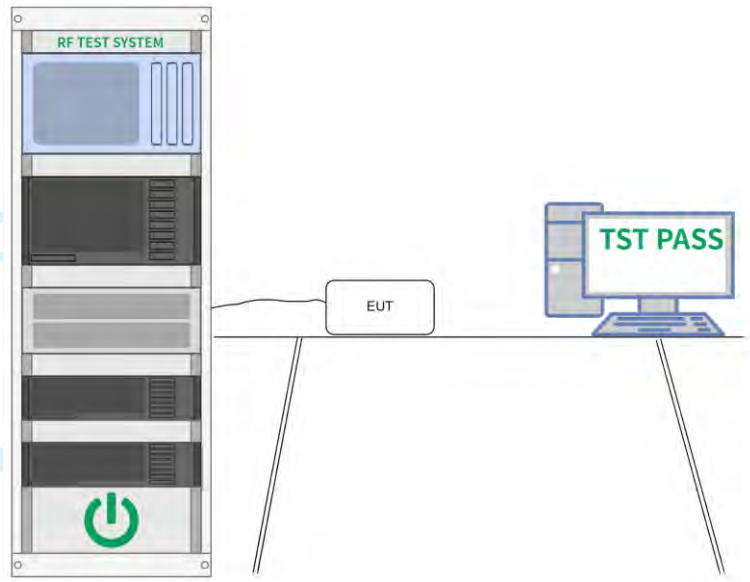
4.5 Emissions in non-restricted frequency bands

Test Requirement:	47 CFR 15.247(d), 15.209, 15.205
Test Limit:	Refer to 47 CFR 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method:	ANSI C63.10-2013 section 11.11
Procedure:	ANSI C63.10-2013 Section 11.11.1, Section 11.11.2, Section 11.11.3

4.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM1, TM2, TM3, TM4, TM5, TM6				
Final test mode:	TM1, TM2, TM3, TM4, TM5, TM6				

4.5.2 Test Setup Diagram:



4.5.3 Test Data:

Please Refer to Appendix for Details.

4.6 Band edge emissions (Radiated)

Test Requirement:	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`
Test Limit:	

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

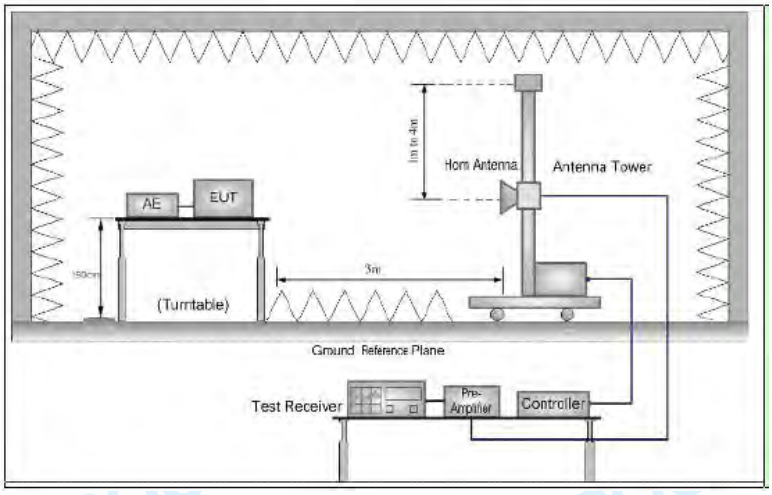
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

Test Method:	ANSI C63.10-2013 section 6.10
Procedure:	ANSI C63.10-2013 section 6.10.5.2

4.6.1 E.U.T. Operation:

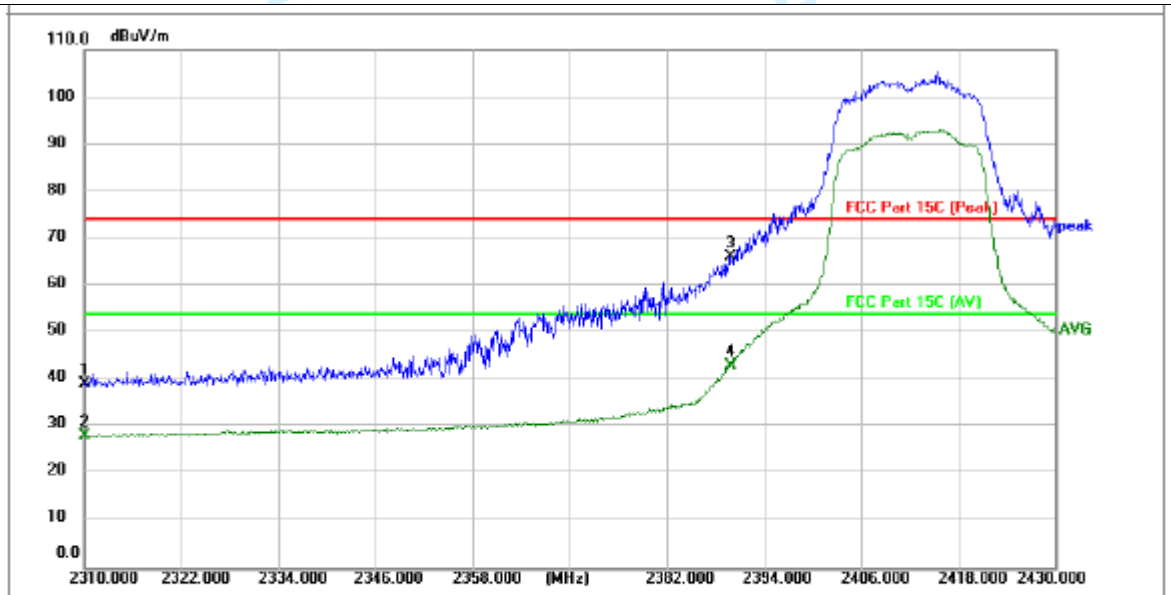
Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM5				
Final test mode:	TM5				

4.6.2 Test Setup Diagram:



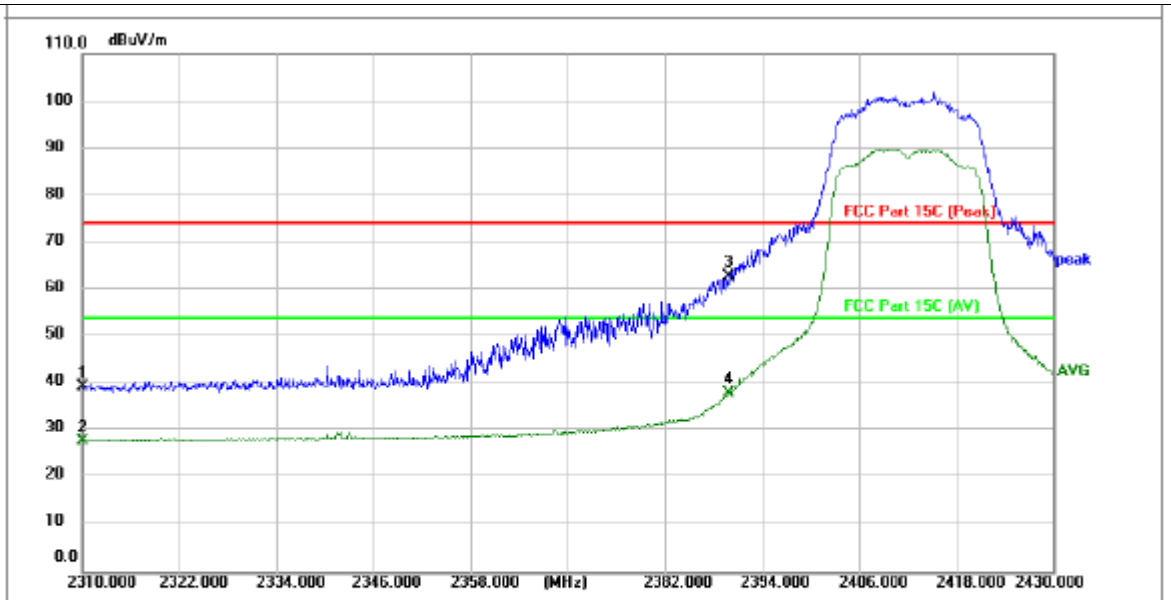
4.6.3 Test Data:

TM5 / Polarization: Horizontal / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: L



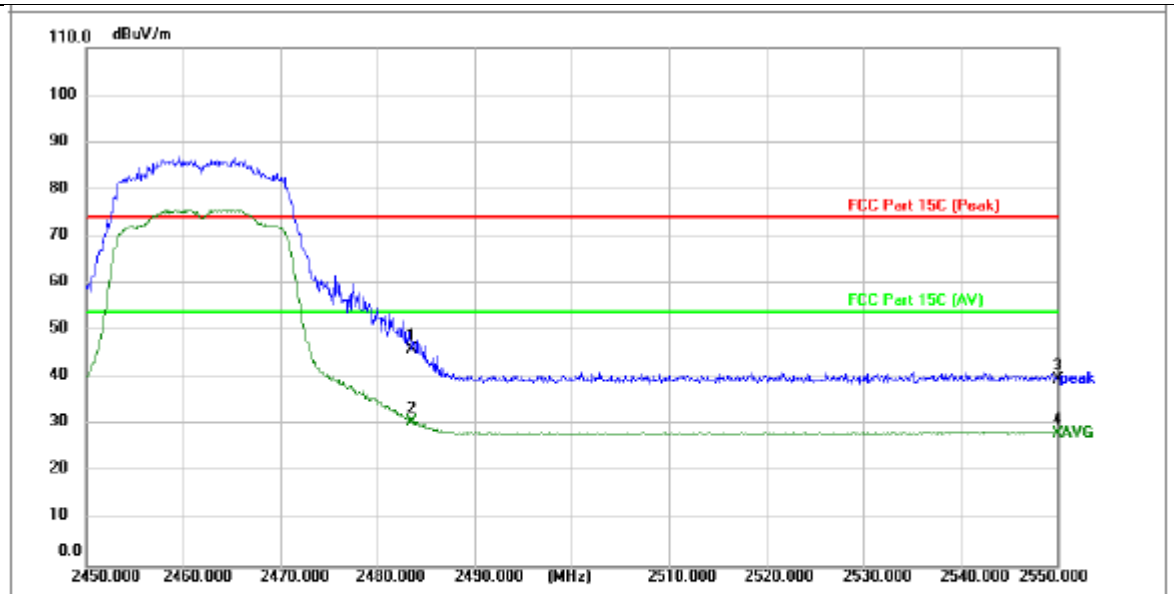
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2310.000	46.15	-6.93	39.22	74.00	-34.78	peak	149	0	P	
2	2310.000	35.04	-6.93	28.11	54.00	-25.89	AVG	149	0	P	
3 *	2390.000	72.73	-6.72	66.01	74.00	-7.99	peak	149	0	P	
4	2390.000	49.73	-6.72	43.01	54.00	-10.99	AVG	149	0	P	

TM5 / Polarization: Vertical / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: L



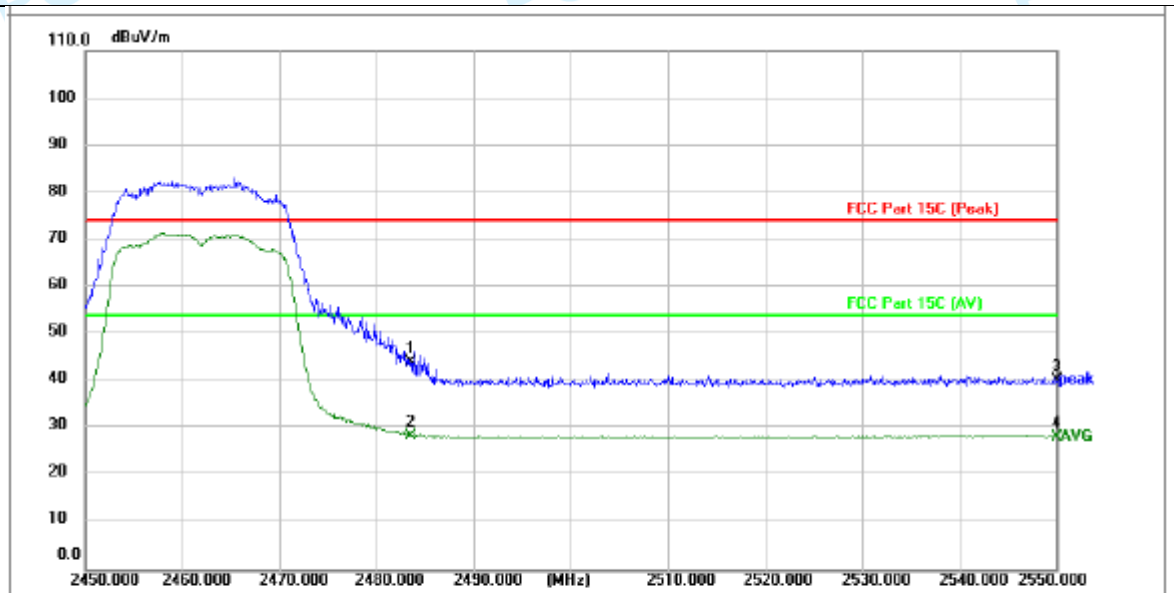
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2310.000	47.83	-8.23	39.60	74.00	-34.40	peak	149	0	P	
2	2310.000	36.12	-8.23	27.89	54.00	-26.11	AVG	149	0	P	
3 *	2390.000	70.71	-7.91	62.80	74.00	-11.20	peak	149	0	P	
4	2390.000	46.01	-7.91	38.10	54.00	-15.90	AVG	149	0	P	

TM5 / Polarization: Horizontal / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	49.65	-3.47	46.18	74.00	-27.82	peak			P	
2 *	2483.500	34.18	-3.47	30.71	54.00	-23.29	AVG			P	
3	2550.000	43.14	-3.35	39.79	74.00	-34.21	peak	149	0	P	
4	2550.000	31.63	-3.35	28.28	54.00	-25.72	AVG	149	0	P	

TM5 / Polarization: Vertical / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	48.57	-4.54	44.03	74.00	-29.97	peak			P	
2 *	2483.500	33.09	-4.54	28.55	54.00	-25.45	AVG			P	
3	2550.000	44.46	-4.29	40.17	74.00	-33.83	peak	149	0	P	
4	2550.000	32.60	-4.29	28.31	54.00	-25.69	AVG	149	0	P	

Note: Peak and Average measurement were performed at the frequencies with maximized peak emission.
Mesurement Level = Reading level + Correct Factor, Over=Limit- Mesurement

Note:
Per ANSI C63.10-2013, if there are two or more antnnas, the conducted powers at Core 0, Core 1,…, Core i were first measured separately, as shown in the section above(this product olny have one antenna). The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Section 14.4.3.2.3, the directional gain is calculated using the following formula, where GN is the gain of the nth antenna and NANT, the total number of antennas used.
For correlated unequal antenna gain
Directional gain = 10*log[(10G1/20 + 10G2/20 + … + 10GN/20)2 / NANT] dBi

For completely uncorrelated unequal antenna gain
Directional gain = 10*log[(10G1/10 + 10G2/10 + … + 10GN/10)/ NANT] dBi

Sample Multiple antennas Calculation: Core 0 + Core 1 +…Core i. = MIMO/CDD
(i is the number of antennas)
(#VALUE! mW + mW) = #VALUE! mW = dBm
Sample e.i.r.p. Calculation:
e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

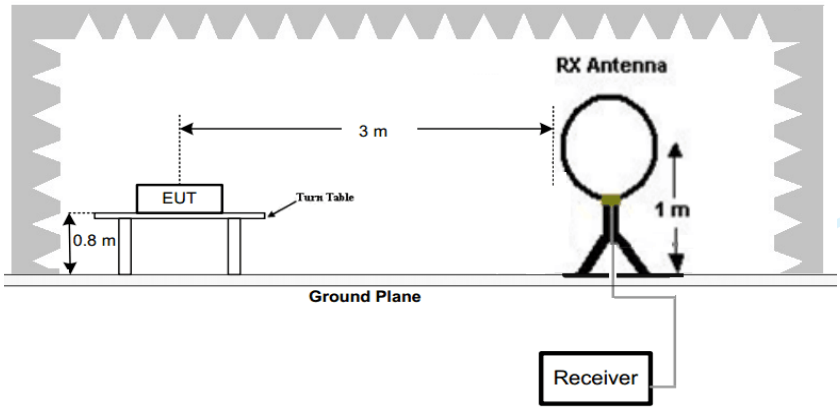
4.7 Emissions in frequency bands (below 1GHz)

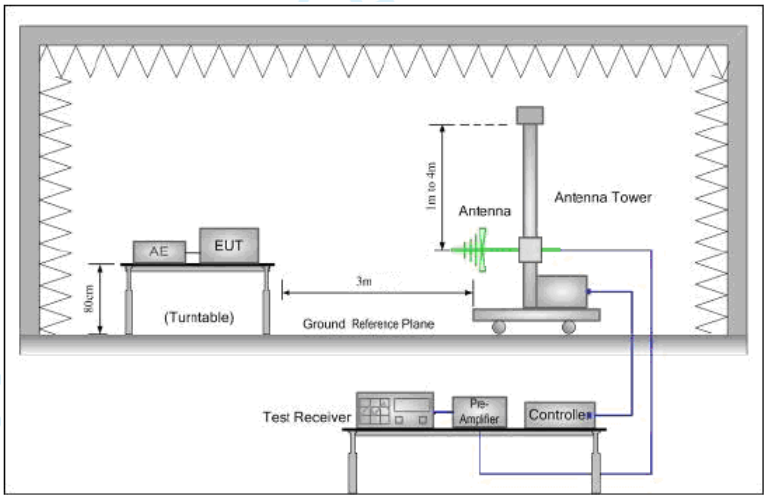
Test Requirement:	Refer to 47 CFR 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`
Test Limit:	<table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
Test Method:	ANSI C63.10-2013 section 6.6.4
Procedure:	a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. h. Test the EUT in the lowest channel, the middle channel, the Highest channel. i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. j. Repeat above procedures until all frequencies measured was complete. Remark: 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report. 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading + Antenna Factor + Cable Factor ¨C Preamplifier Factor 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

4.7.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM5				
Final test mode:	TM5				

4.7.2 Test Setup Diagram:





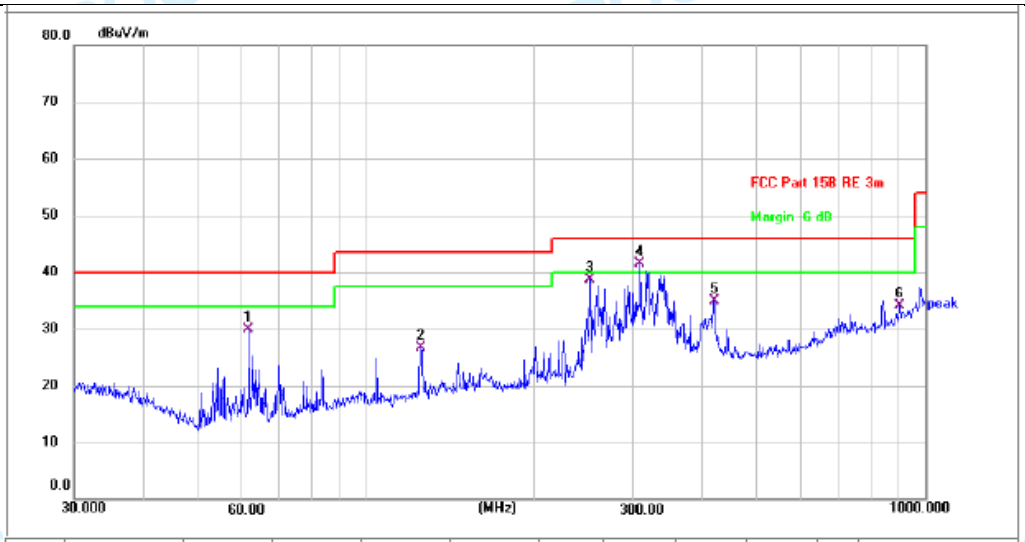
4.7.3 Test Data:

Between 9KHz – 30MHz
The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.

NOTE: The test results only show the worst mode or worst channel.

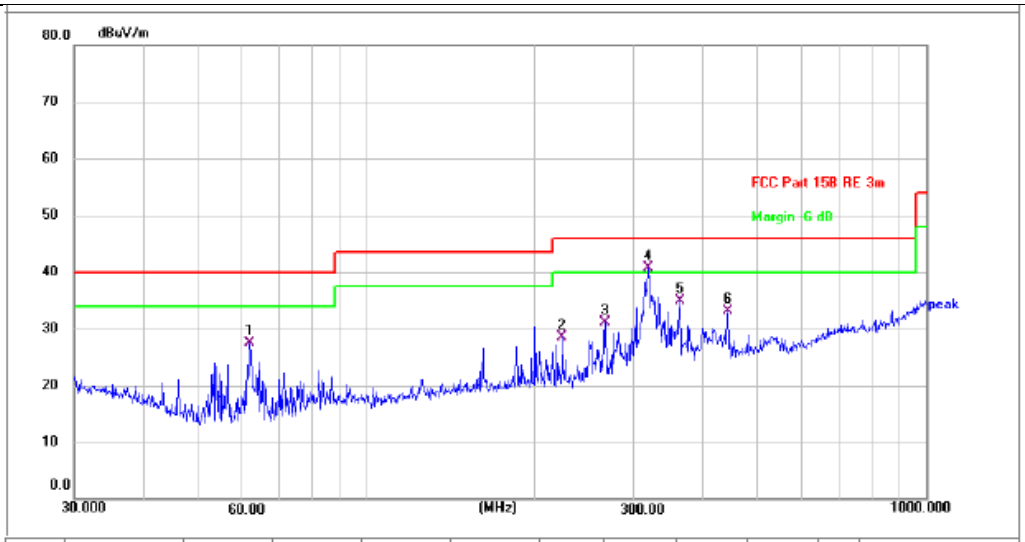
Between 30MHz – 1000MHz

TM5 / Polarization: Horizontal / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	61.5618	38.94	-8.96	29.98	40.00	-10.02	QP	100		P	
2	125.0065	31.39	-4.67	26.72	43.50	-16.78	QP	100		P	
3	251.1804	40.70	-2.06	38.64	46.00	-7.36	QP	100		P	
4 *	308.9125	40.59	0.88	41.47	46.00	-4.53	QP	100		P	
5	419.1081	33.64	1.29	34.93	46.00	-11.07	QP	100		P	
6	900.1474	26.38	7.76	34.14	46.00	-11.86	QP	100		P	

TM5 / Polarization: Vertical / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	61.7780	36.43	-8.94	27.49	40.00	-12.51	QP	100		P	
2	223.7333	31.06	-2.55	28.51	46.00	-17.49	QP	100		P	
3	266.6090	32.53	-1.46	31.07	46.00	-14.93	QP	100		P	
4 *	318.8170	40.54	0.22	40.76	46.00	-5.24	QP	100		P	
5	362.9843	33.96	0.93	34.89	46.00	-11.11	QP	100		P	
6	441.7425	31.84	1.17	33.01	46.00	-12.99	QP	100		P	

Note: Peak and Average measurement were performed at the frequencies with maximized peak emission.
Mesurement Level = Reading level + Correct Factor, Over=Limit- Mesurement

Note:
Per ANSI C63.10-2013, if there are two or more antnnas, the conducted powers at Core 0, Core 1,…, Core i were first measured separately, as shown in the section above(this product olny have one antenna). The measured values were then summed in linear power units then converted back to dBm.

Per ANSI C63.10-2013 Section 14.4.3.2.3, the directional gain is calculated using the following formula, where GN is the gain of the nth antenna and NANT, the total number of antennas used.
For correlated unequal antenna gain
Directional gain = 10*log[(10G1/20 + 10G2/20 + … + 10GN/20)2 / NANT] dBi

For completely uncorrelated unequal antenna gain
Directional gain = 10*log[(10G1/10 + 10G2/10 + … + 10GN/10)/ NANT] dBi

Sample Multiple antennas Calculation: Core 0 + Core 1 +…Core i. = MIMO/CDD
(i is the number of antennas)
(#VALUE! mW + mW) = #VALUE! mW = dBm
Sample e.i.r.p. Calculation:
e.i.r.p. (dBm) = Conducted Power (dBm) + Ant gain (dBi)

4.8 Emissions in frequency bands (above 1GHz)

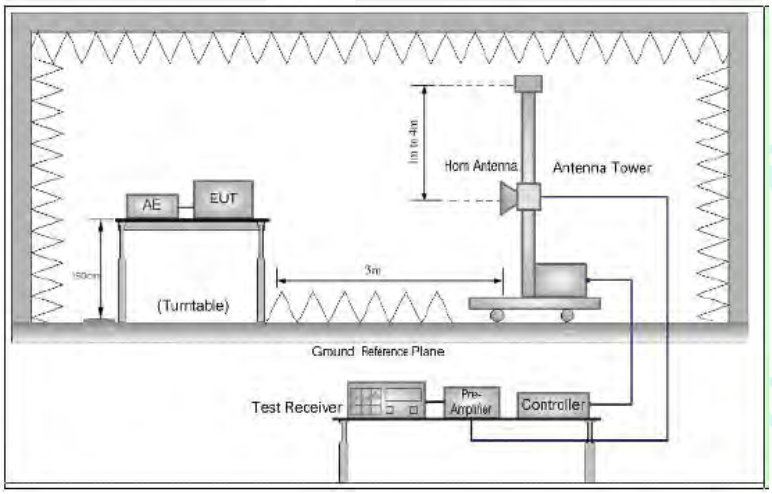
Test Requirement:	In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a)(see § 15.205(c)).`
Test Limit:	<table><tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr><tr><td>0.009-0.490</td><td>2400/F(kHz)</td><td>300</td></tr><tr><td>0.490-1.705</td><td>24000/F(kHz)</td><td>30</td></tr><tr><td>1.705-30.0</td><td>30</td><td>30</td></tr><tr><td>30-88</td><td>100 **</td><td>3</td></tr><tr><td>88-216</td><td>150 **</td><td>3</td></tr><tr><td>216-960</td><td>200 **</td><td>3</td></tr><tr><td>Above 960</td><td>500</td><td>3</td></tr></table> ** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.
Test Method:	ANSI C63.10-2013 section 6.6.4
Procedure:	a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. h. Test the EUT in the lowest channel, the middle channel, the Highest channel. i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case. j. Repeat above procedures until all frequencies measured was complete. Remark: 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report. 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows: Final Test Level =Receiver Reading + Antenna Factor + Cable Factor ¨C Preamplifier Factor 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only

	spurious emission is shown.

4.8.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.1 °C	Humidity:	50.3 %	Atmospheric Pressure:	101 kPa
Pre test mode:	TM5				
Final test mode:	TM5				

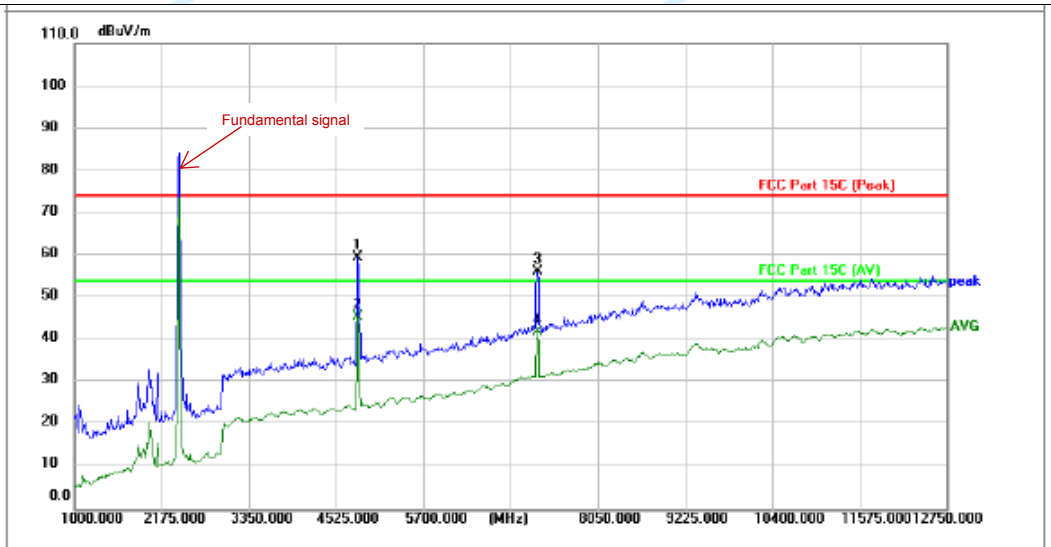
4.8.2 Test Setup Diagram:



4.8.3 Test Data:

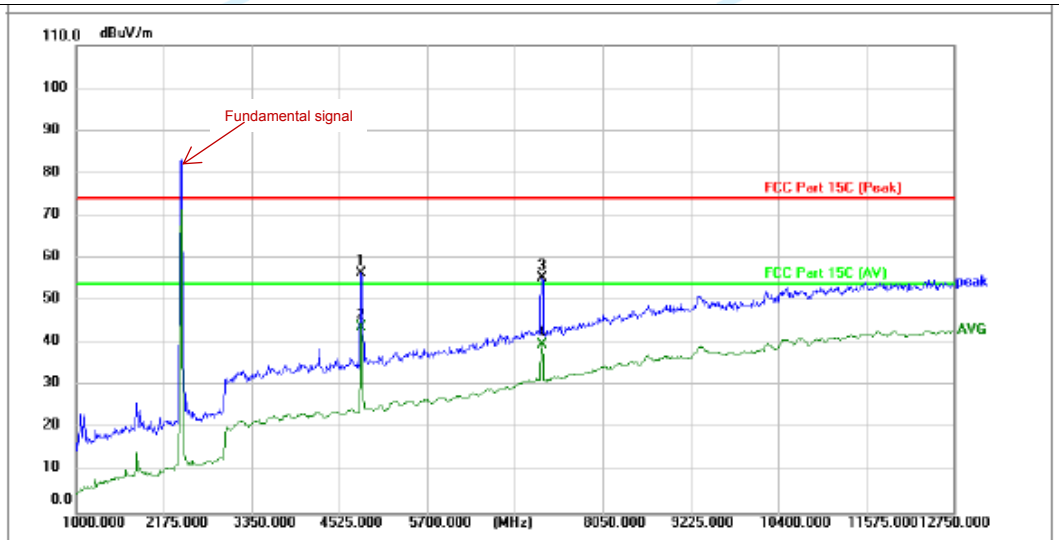
Only the worst mode and channel are recorded, The testing frequency reach up to 25GHz, but 12GHz-25GHz has no waveform except for background noise, so it was not recorded in the report.

TM5 / Polarization: Horizontal / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: L



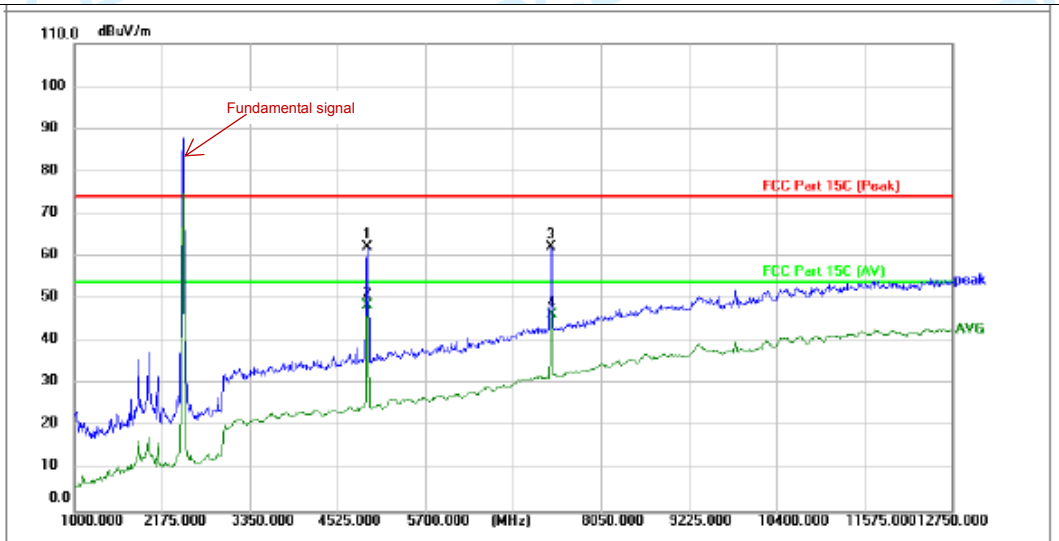
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4818.750	56.43	3.15	59.58	74.00	-14.42	peak	149	0	P	
2 *	4818.750	42.30	3.15	45.45	54.00	-8.55	AVG	149	0	P	
3	7239.250	46.17	10.17	56.34	74.00	-17.66	peak	149	0	P	
4	7239.250	31.80	10.17	41.97	54.00	-12.03	AVG	149	0	P	

TM5 / Polarization: Vertical / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: L



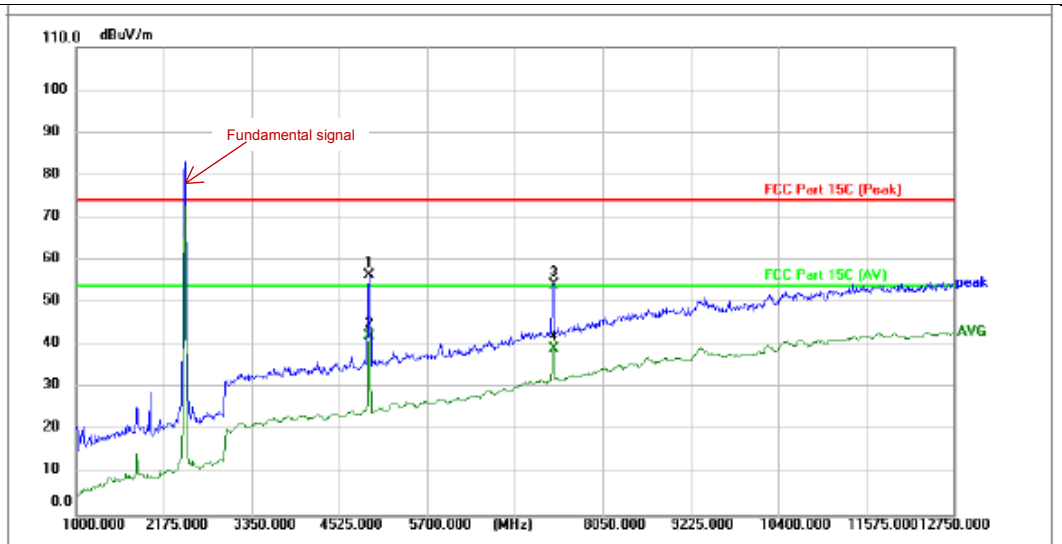
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4818.750	52.84	3.77	56.61	74.00	-17.39	peak	149	0	P	
2 *	4818.750	39.97	3.77	43.74	54.00	-10.26	AVG	149	0	P	
3	7239.250	45.14	10.16	55.30	74.00	-18.70	peak	149	0	P	
4	7239.250	29.63	10.16	39.79	54.00	-14.21	AVG	149	0	P	

TM5 / Polarization: Horizontal / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4924.500	58.76	3.50	62.26	74.00	-11.74	peak	149	0	P	
2 *	4924.500	44.99	3.50	48.49	54.00	-5.51	AVG	149	0	P	
3	7380.250	52.01	10.39	62.40	74.00	-11.60	peak	149	0	P	
4	7392.000	35.93	10.42	46.35	54.00	-7.65	AVG	149	0	P	

TM5 / Polarization: Vertical / Band: 2400-2483.5 MHz / MIMO-BW: 20 / CH: H



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4924.500	52.28	4.11	56.39	74.00	-17.61	peak	149	0	P	
2 *	4924.500	38.19	4.11	42.30	54.00	-11.70	AVG	149	0	P	
3	7392.000	43.91	10.54	54.45	74.00	-19.55	peak	149	0	P	
4	7392.000	28.56	10.54	39.10	54.00	-14.90	AVG	149	0	P	

Remark: Margin = Limit – Level
Correction Factor= Antenna Factor + Cable loss – Pre-amplifier
Level=Test receiver reading + correction factor

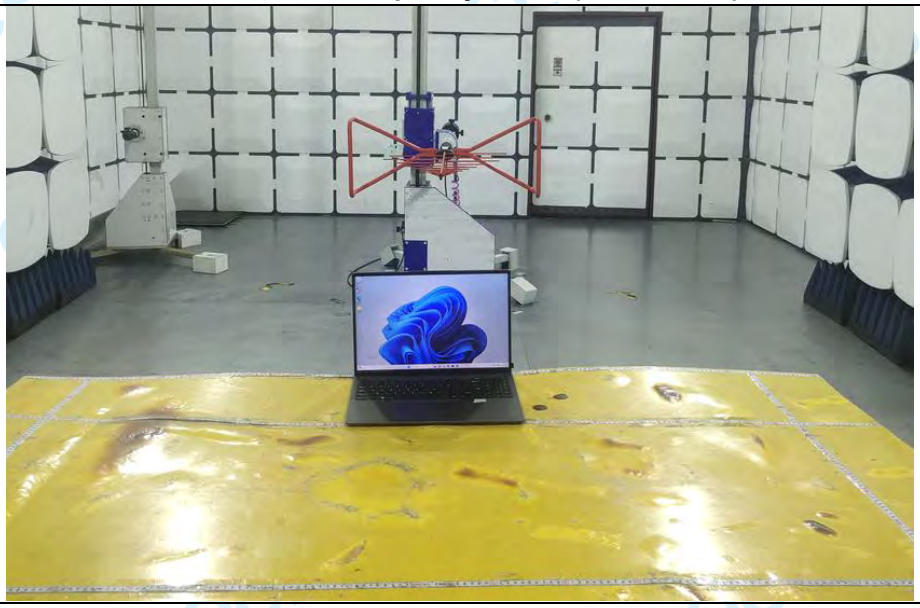
Note:
Per ANSI C63.10-2013, if there are two or more antnnas, the conducted powers at Core 0, Core 1,…, Core i were first measured separately, as shown in the section above(this product olny have one antenna). The measured values were then summed in linear power units then converted back to dBm.

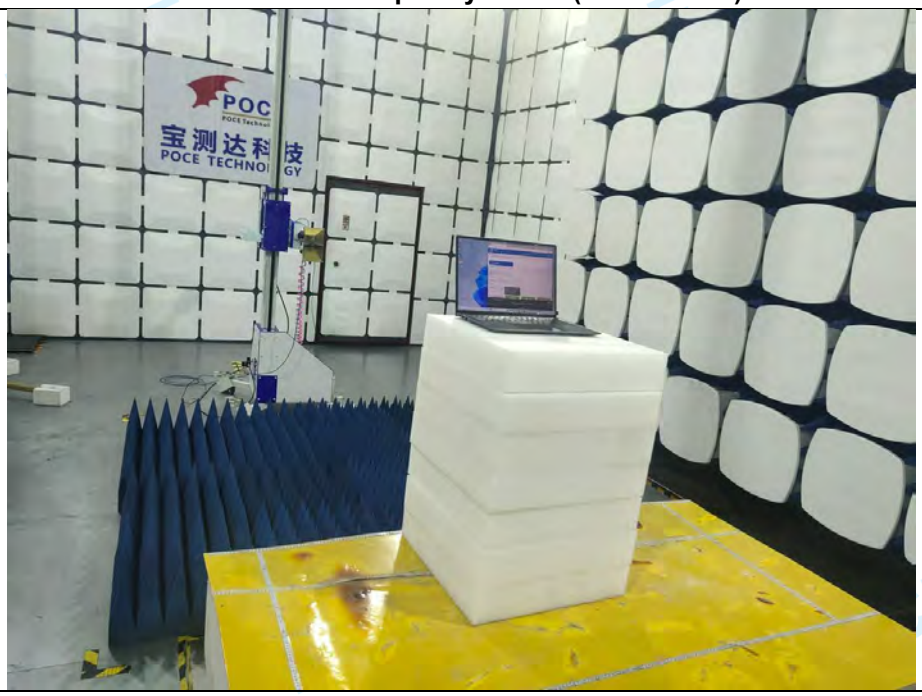
Sample Multiple antennas Calculation: Core 0 + Core 1 +…Core i. = MIMO/CDD
(i is the number of antennas)

(#VALUE! mW + XX mW) = #VALUE! mW = XX dBm
Sample e.i.r.p. Calculation:
XX dBm= Conducted Power (dBm) + Ant gain (dBi)

5 TEST SETUP PHOTOS

Conducted Emission at AC power line


Emissions in frequency bands (below 1GHz)


Emissions in frequency bands (above 1GHz)


6 PHOTOS OF THE EUT

Please refer to report No.: POCE230918001RF001

Appendix

FCC_2.4G_WIFI (Part15.247) Test Data

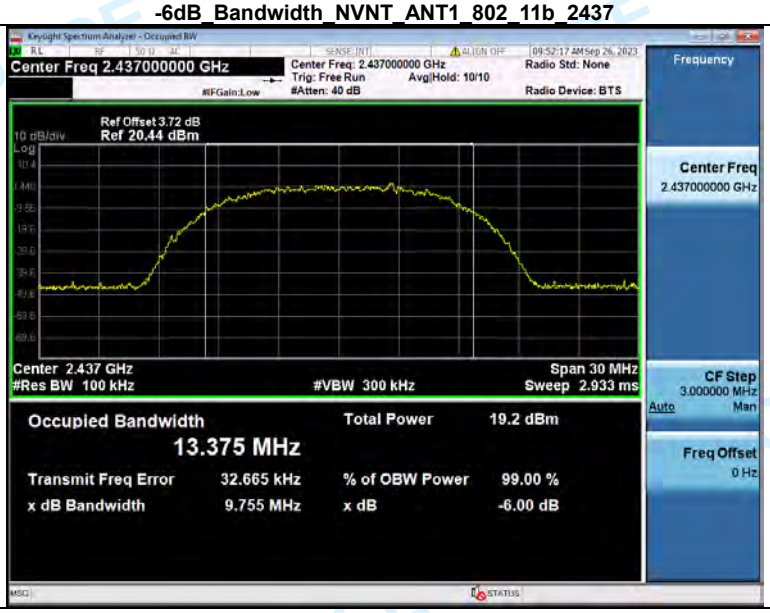
1. -6dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-6dB BW(MHz)	limit(kHz)	Result
NVNT	ANT1	802.11b	2412.00	10.14	500	Pass
NVNT	ANT2	802.11b	2412.00	10.13	500	Pass
NVNT	ANT1	802.11b	2437.00	9.75	500	Pass
NVNT	ANT2	802.11b	2437.00	10.06	500	Pass
NVNT	ANT1	802.11b	2462.00	10.01	500	Pass
NVNT	ANT2	802.11b	2462.00	10.08	500	Pass
NVNT	ANT1	802.11g	2412.00	16.37	500	Pass
NVNT	ANT2	802.11g	2412.00	16.13	500	Pass
NVNT	ANT1	802.11g	2437.00	16.39	500	Pass
NVNT	ANT2	802.11g	2437.00	16.35	500	Pass
NVNT	ANT1	802.11g	2462.00	16.35	500	Pass
NVNT	ANT2	802.11g	2462.00	16.33	500	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	15.16	500	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	15.15	500	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	15.13	500	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	15.14	500	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	15.16	500	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	15.16	500	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	35.14	500	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	35.16	500	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	35.15	500	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	35.16	500	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	35.16	500	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	35.16	500	Pass

-6dB_Bandwidth_NVNT_ANT1_802_11b_2412

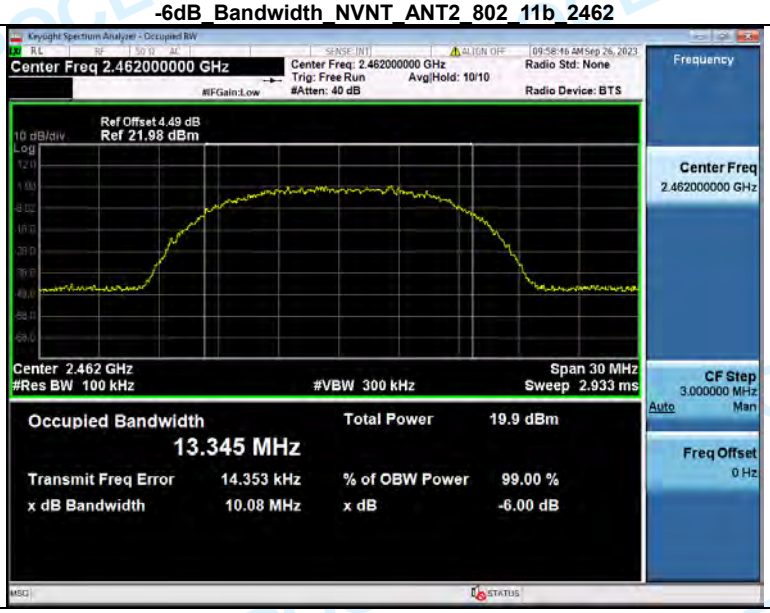
-6dB_Bandwidth_NVNT_ANT2_802_11b_2412

-6dB_Bandwidth_NVNT_ANT1_802_11b_2437



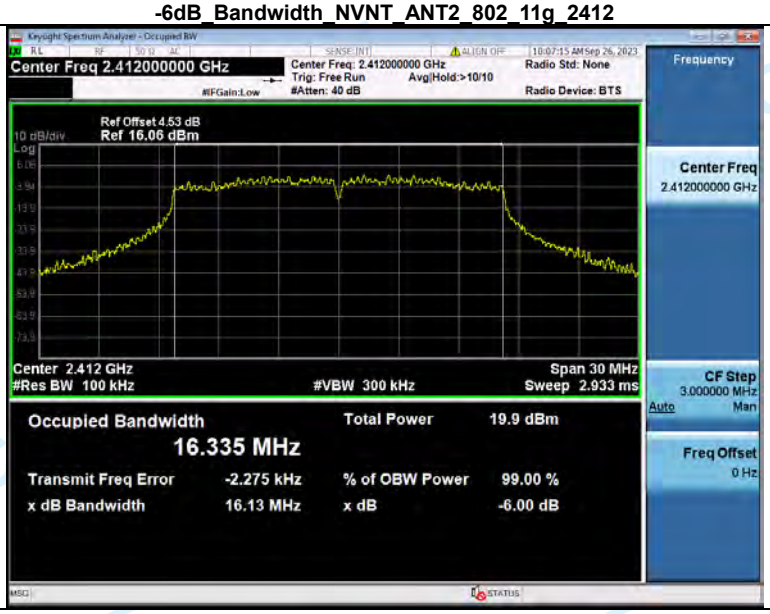
-6dB_Bandwidth_NVNT_ANT2_802_11b_2437


-6dB_Bandwidth_NVNT_ANT1_802_11b_2462

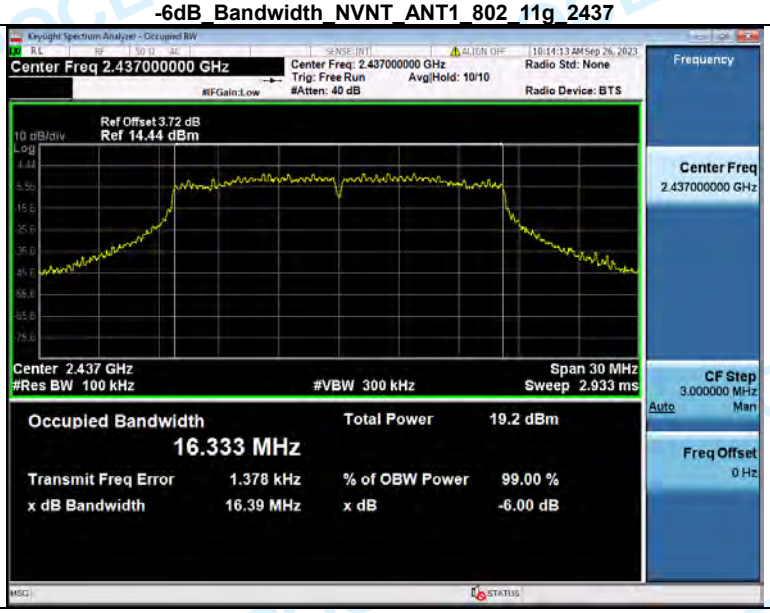

-6dB_Bandwidth_NVNT_ANT2_802_11b_2462


-6dB_Bandwidth_NVNT_ANT1_802_11g_2412

-6dB_Bandwidth_NVNT_ANT2_802_11g_2412

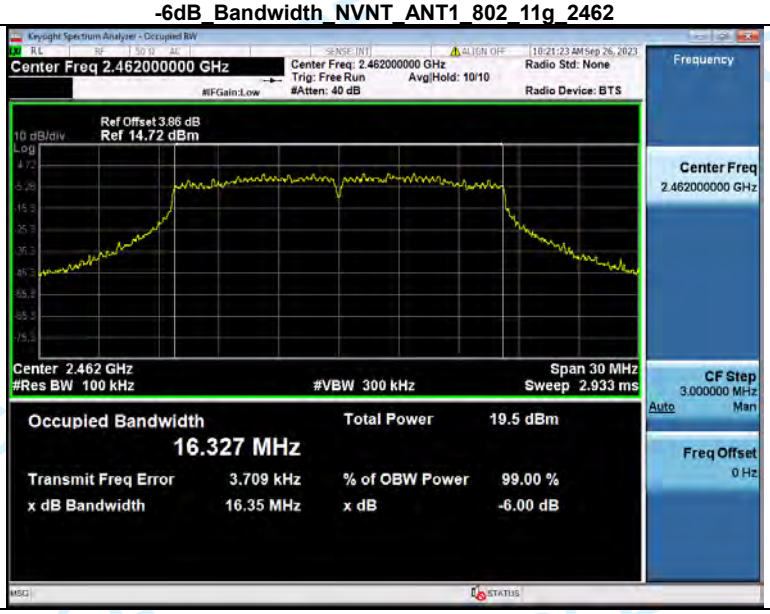


-6dB_Bandwidth_NVNT_ANT1_802_11g_2437

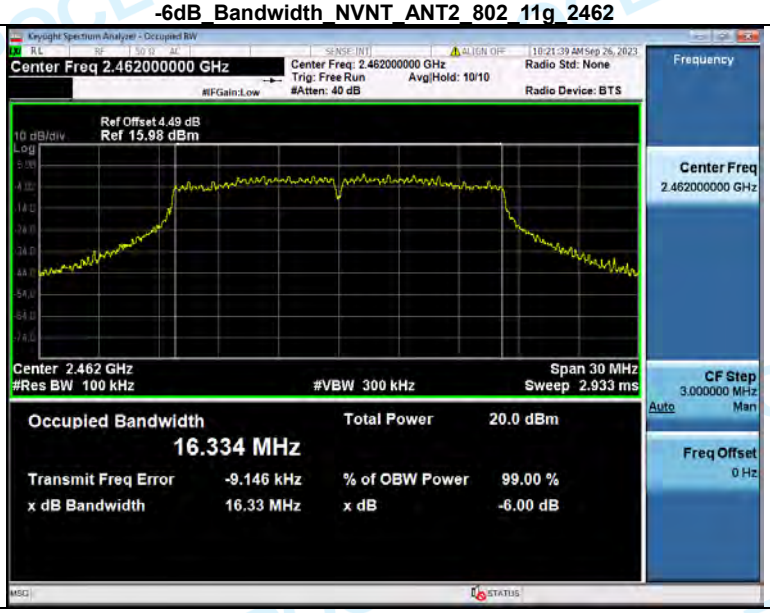


-6dB_Bandwidth_NVNT_ANT2_802_11g_2437

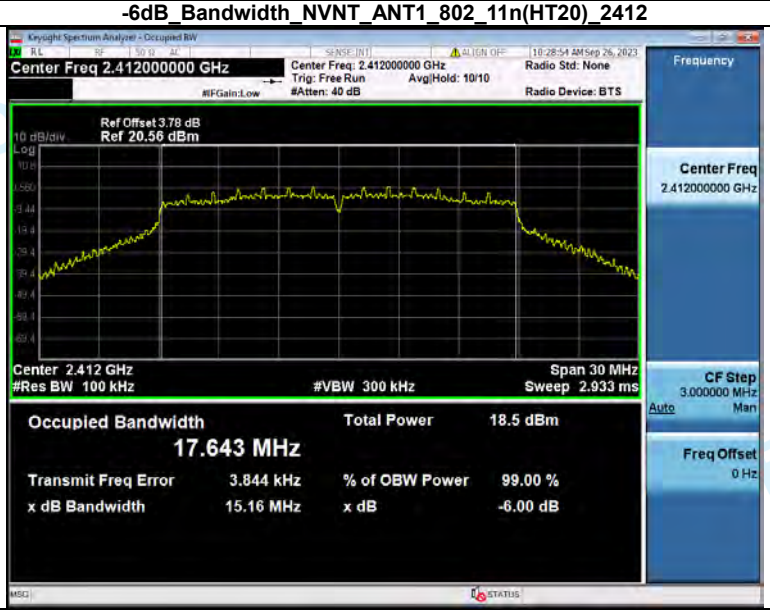
-6dB_Bandwidth_NVNT_ANT1_802_11g_2462



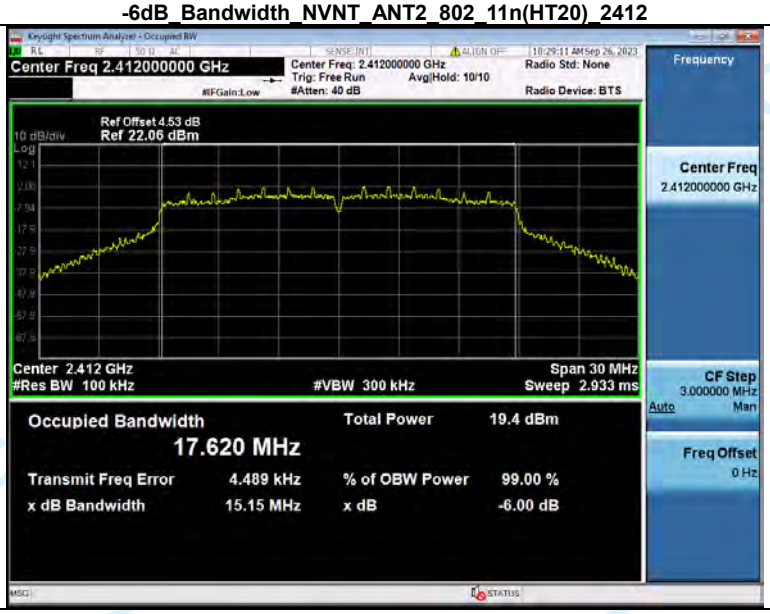
-6dB_Bandwidth_NVNT_ANT2_802_11g_2462



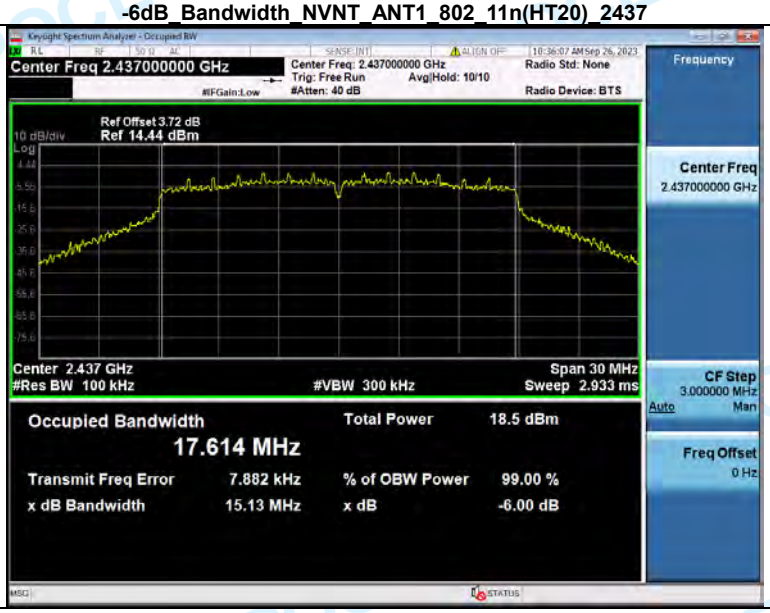
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT2_802_11n(HT20)_2412



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



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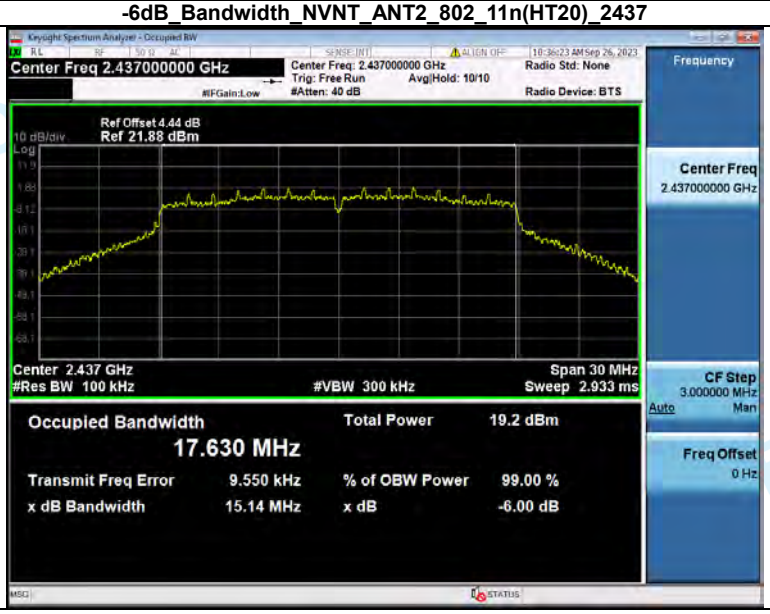
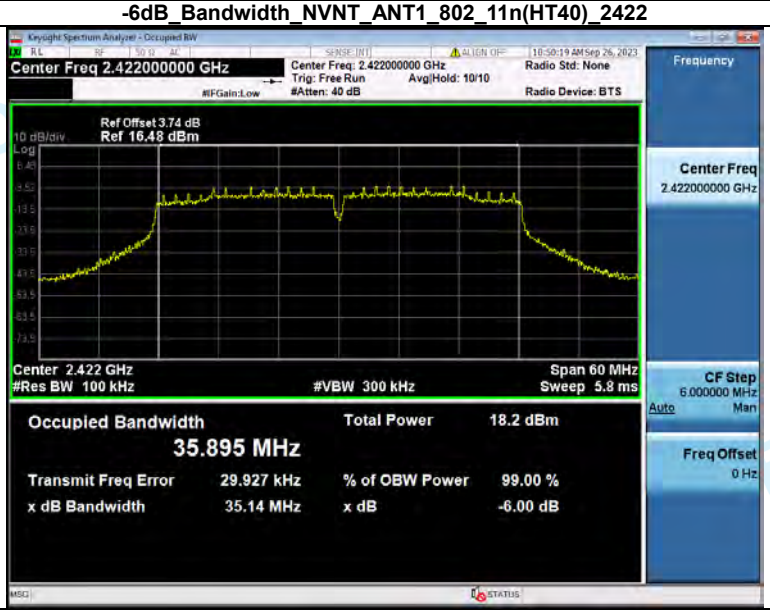


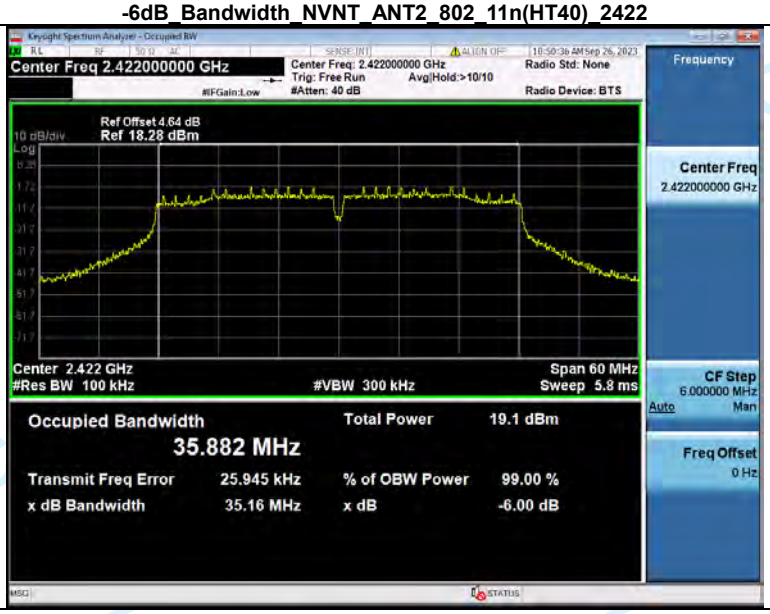
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462


-6dB_Bandwidth_NVNT_ANT2_802_11n(HT20)_2462

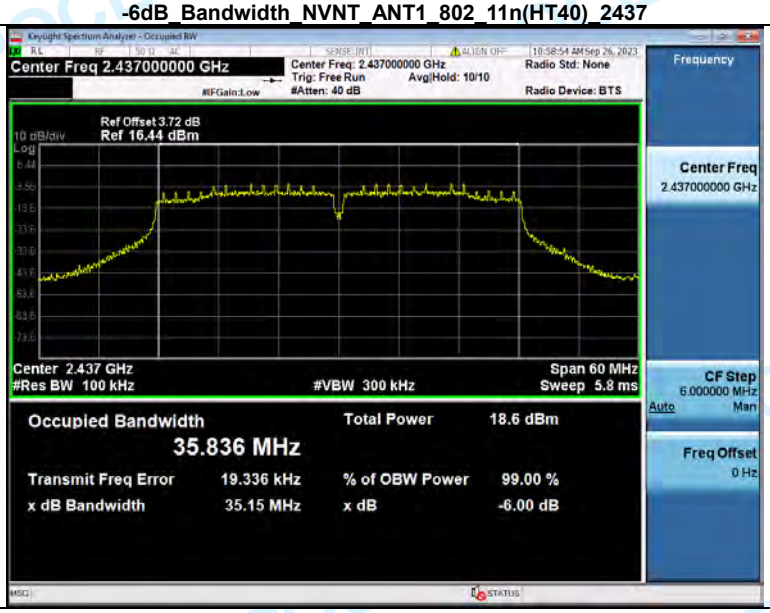

-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



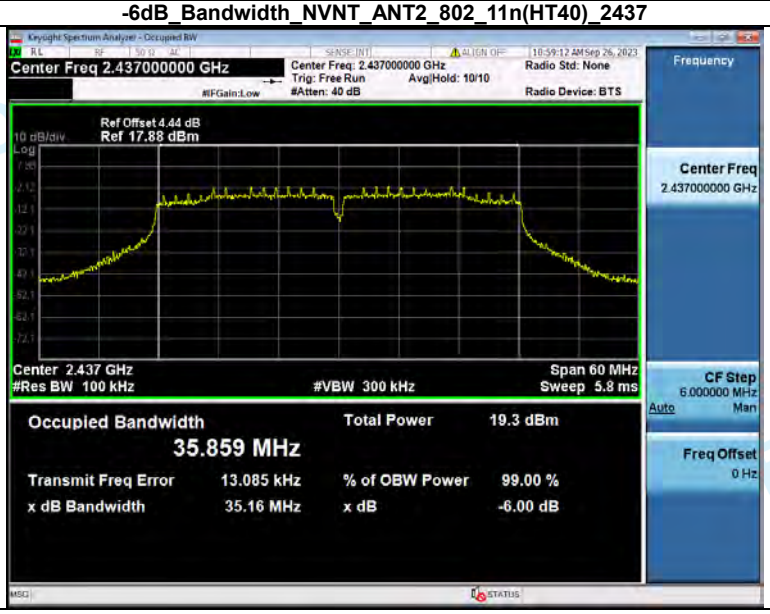
-6dB_Bandwidth_NVNT_ANT2_802_11n(HT40)_2422



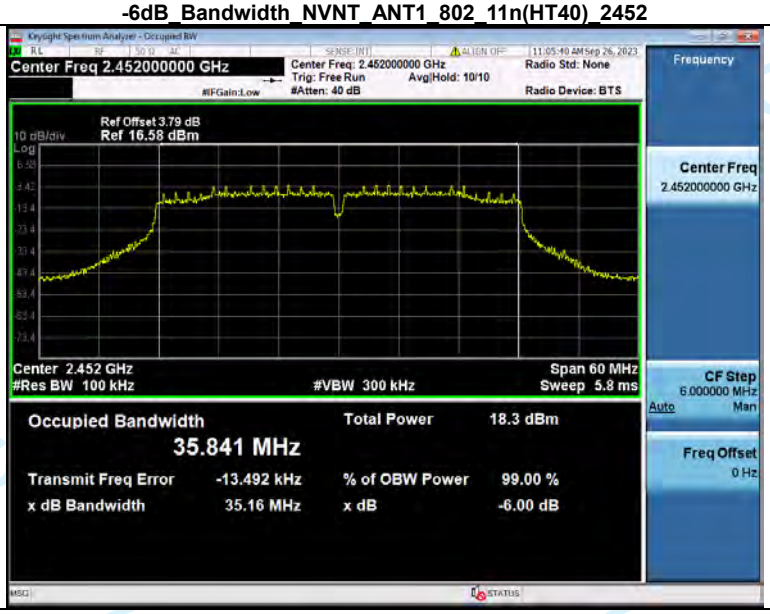
-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



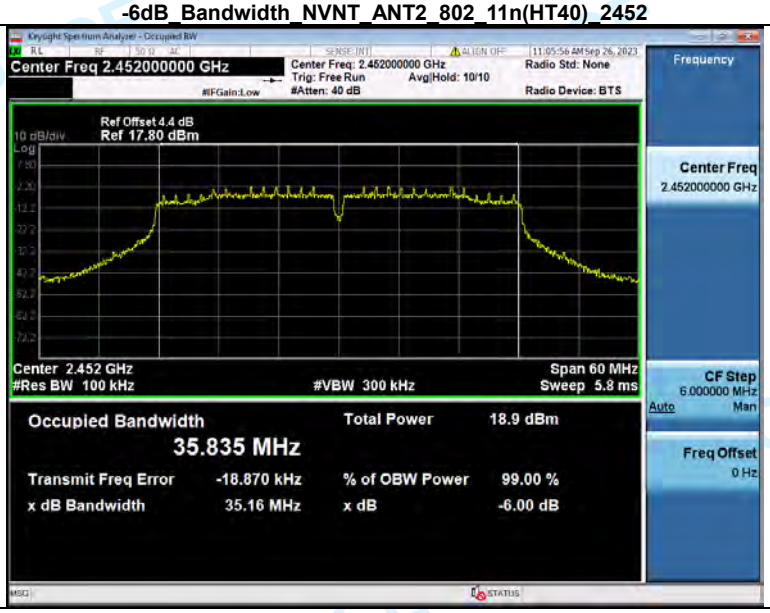
-6dB_Bandwidth_NVNT_ANT2_802_11n(HT40)_2437



-6dB_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452



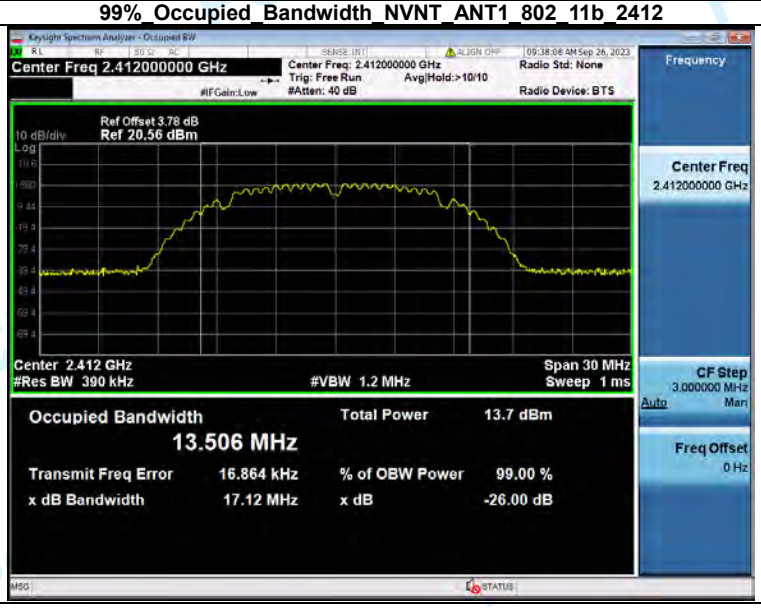
-6dB_Bandwidth_NVNT_ANT2_802_11n(HT40)_2452



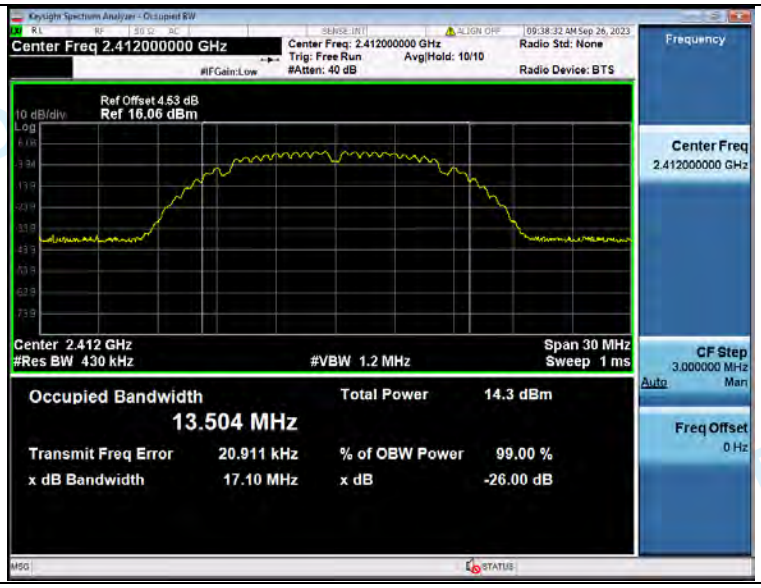
2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99%%BW(MHz)
NVNT	ANT1	802.11b	2412.00	13.506
NVNT	ANT2	802.11b	2412.00	13.504
NVNT	ANT1	802.11b	2437.00	13.397
NVNT	ANT2	802.11b	2437.00	13.389
NVNT	ANT1	802.11b	2462.00	13.396
NVNT	ANT2	802.11b	2462.00	13.384
NVNT	ANT1	802.11g	2412.00	16.693
NVNT	ANT2	802.11g	2412.00	16.698
NVNT	ANT1	802.11g	2437.00	16.682
NVNT	ANT2	802.11g	2437.00	16.682
NVNT	ANT1	802.11g	2462.00	16.674
NVNT	ANT2	802.11g	2462.00	16.671
NVNT	ANT1	802.11n(HT20)	2412.00	18.316
NVNT	ANT2	802.11n(HT20)	2412.00	18.339
NVNT	ANT1	802.11n(HT20)	2437.00	18.304
NVNT	ANT2	802.11n(HT20)	2437.00	18.338
NVNT	ANT1	802.11n(HT20)	2462.00	18.276
NVNT	ANT2	802.11n(HT20)	2462.00	18.307
NVNT	ANT1	802.11n(HT40)	2422.00	36.290
NVNT	ANT2	802.11n(HT40)	2422.00	36.314
NVNT	ANT1	802.11n(HT40)	2437.00	36.267
NVNT	ANT2	802.11n(HT40)	2437.00	36.277
NVNT	ANT1	802.11n(HT40)	2452.00	36.220
NVNT	ANT2	802.11n(HT40)	2452.00	36.177

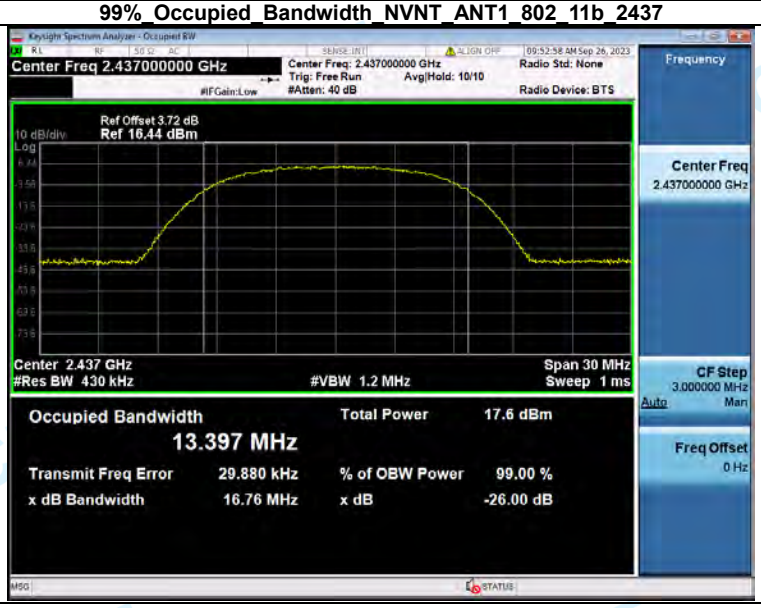
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2412



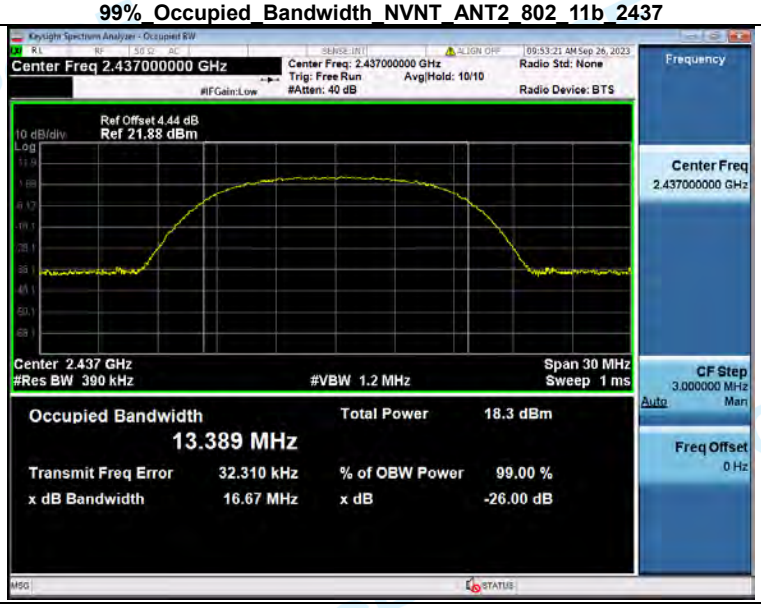
99%_Occupied_Bandwidth_NVNT_ANT2_802_11b_2412



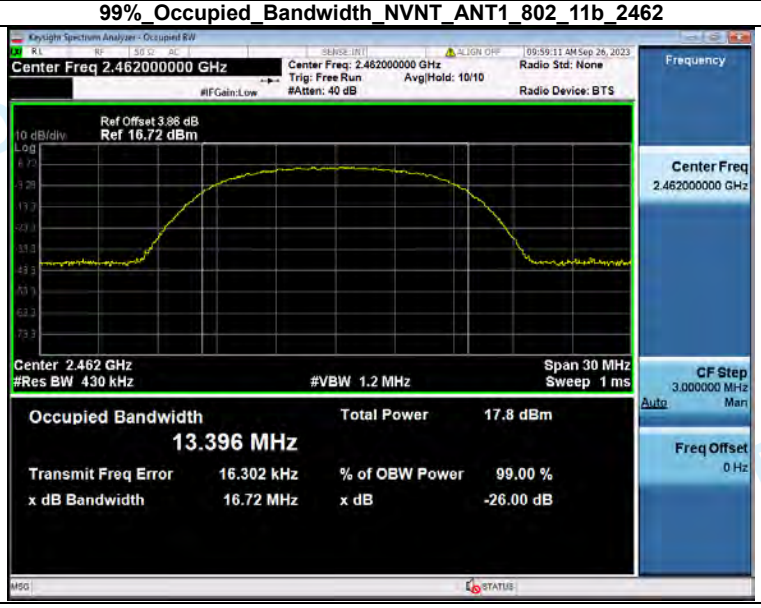
99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2437



99%_Occupied_Bandwidth_NVNT_ANT2_802_11b_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11b_2462



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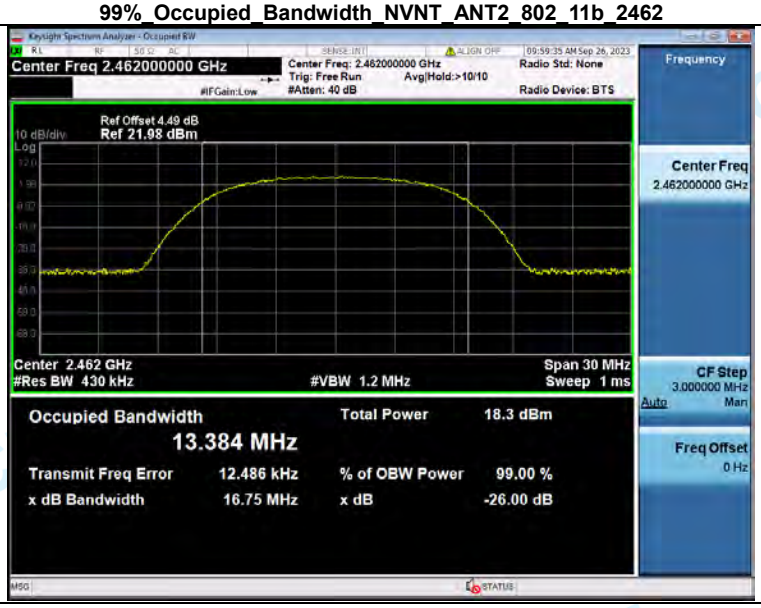
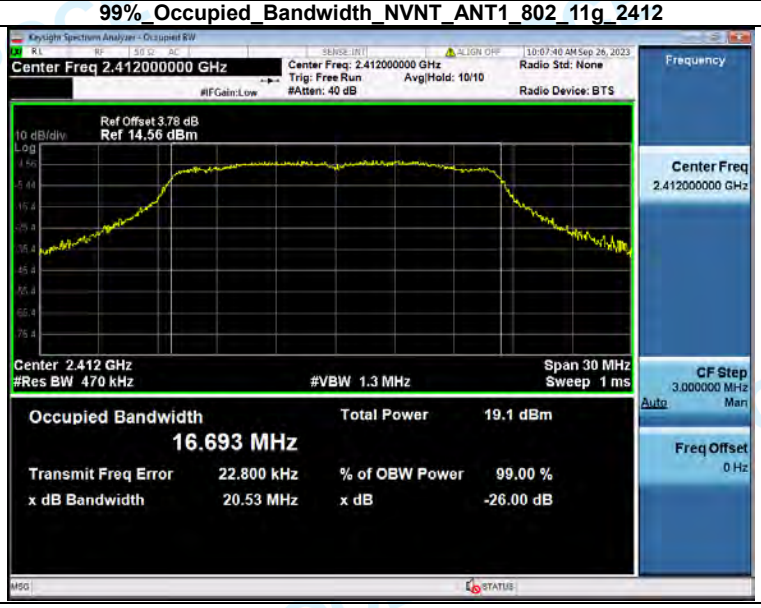
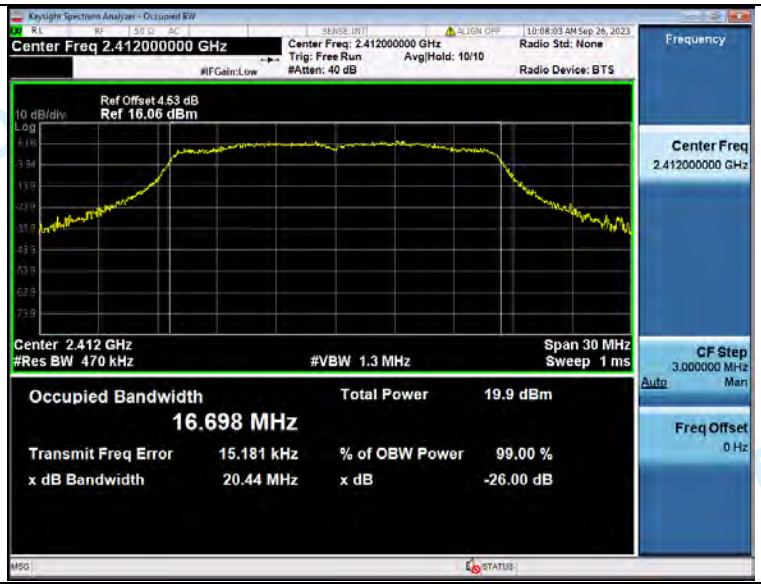


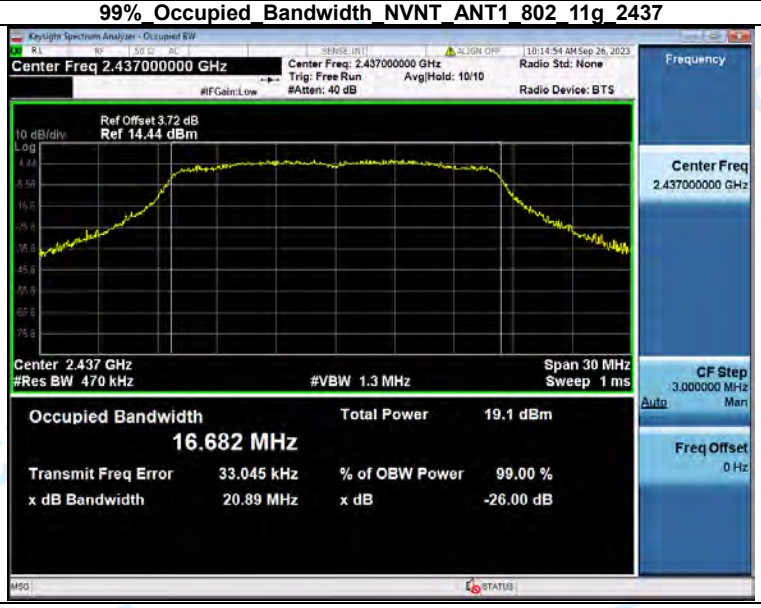
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2412



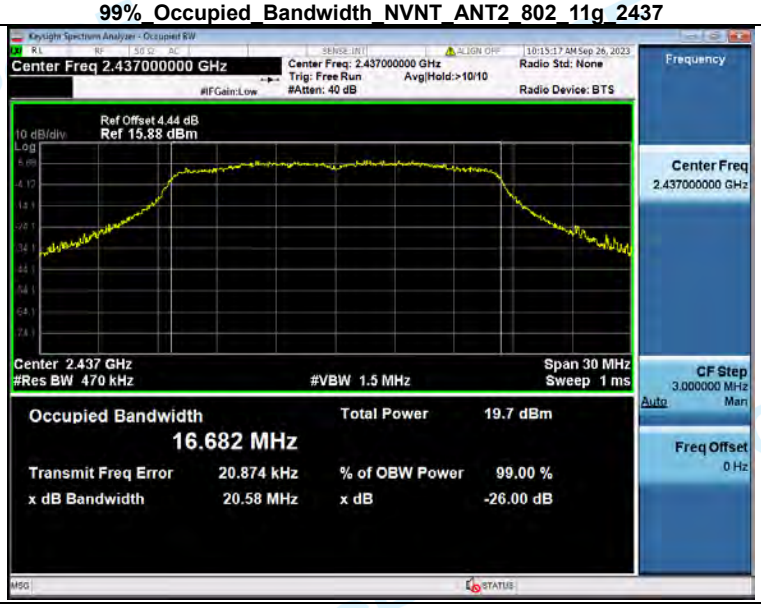
99%_Occupied_Bandwidth_NVNT_ANT2_802_11g_2412



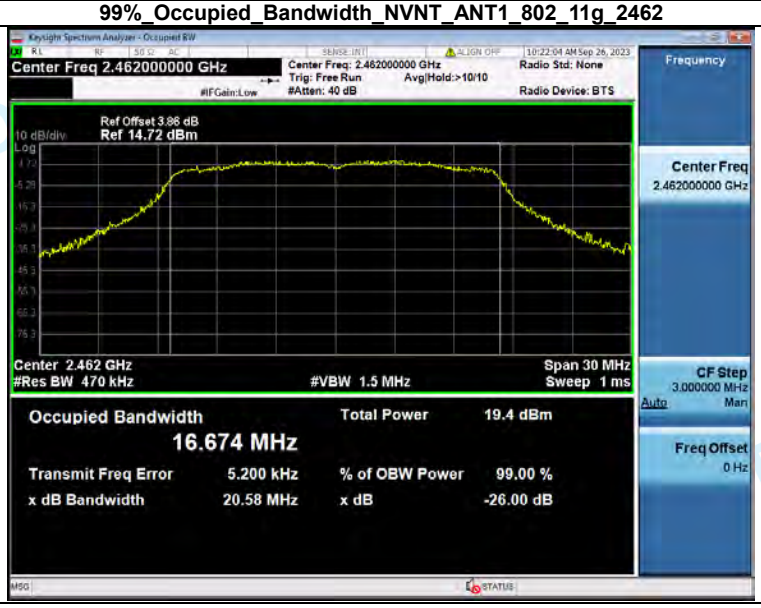
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2437



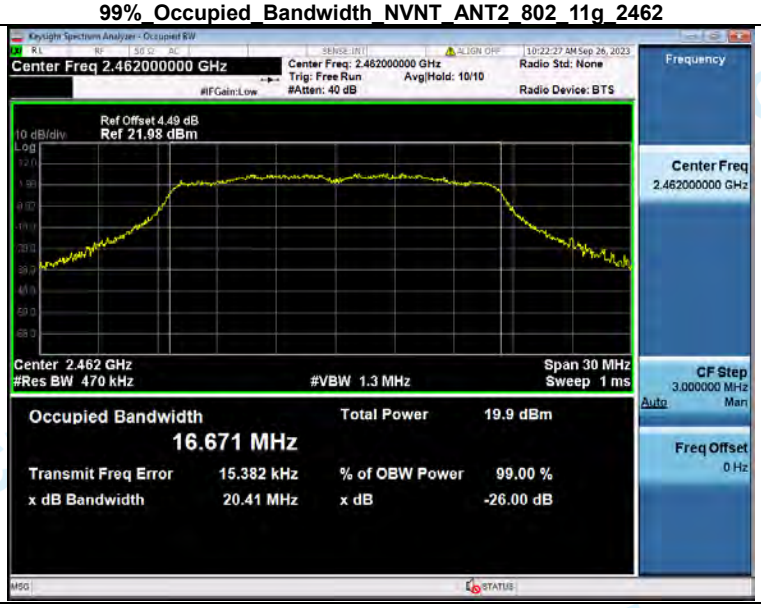
99%_Occupied_Bandwidth_NVNT_ANT2_802_11g_2437



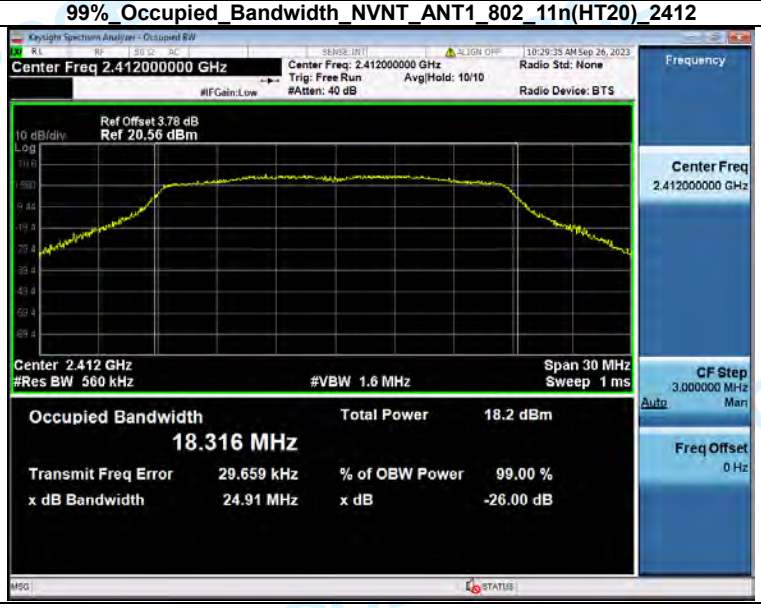
99%_Occupied_Bandwidth_NVNT_ANT1_802_11g_2462



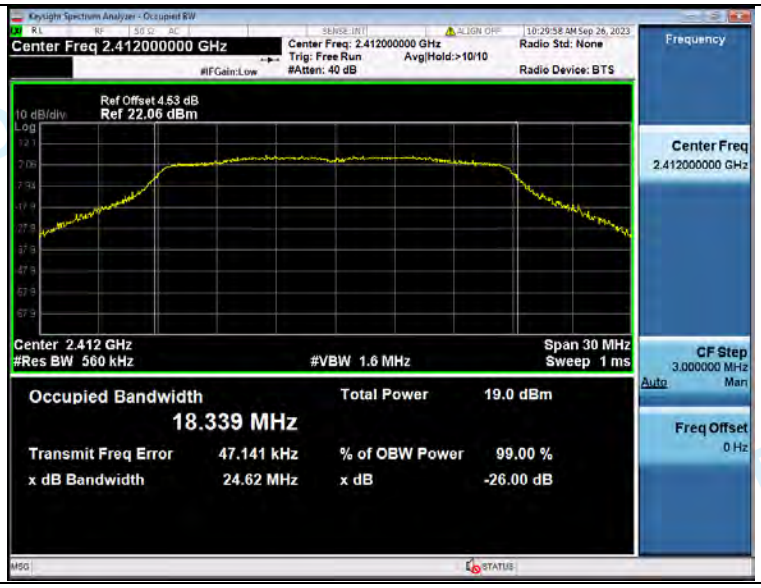
99%_Occupied_Bandwidth_NVNT_ANT2_802_11g_2462



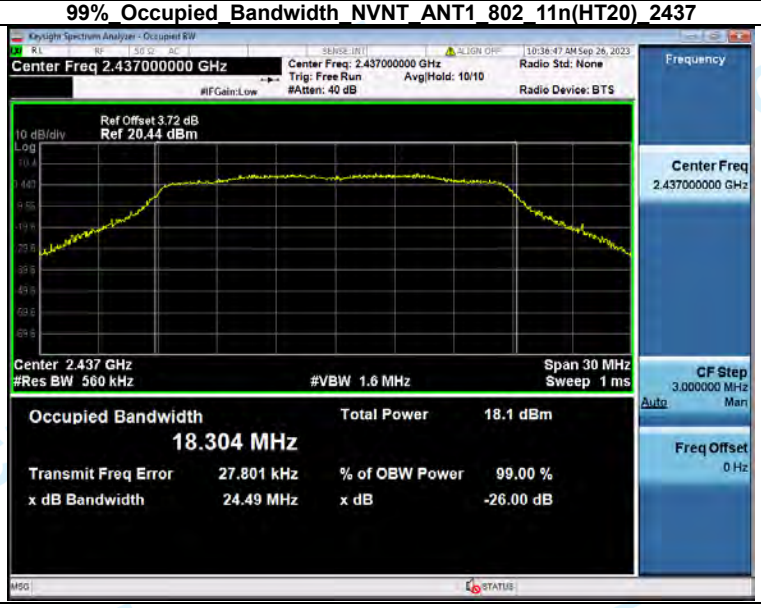
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2412



99%_Occupied_Bandwidth_NVNT_ANT2_802_11n(HT20)_2412



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2437



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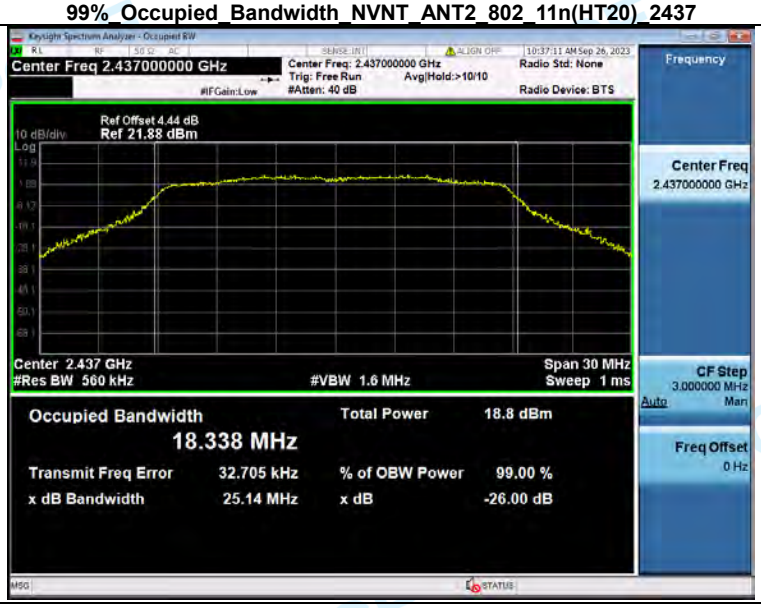
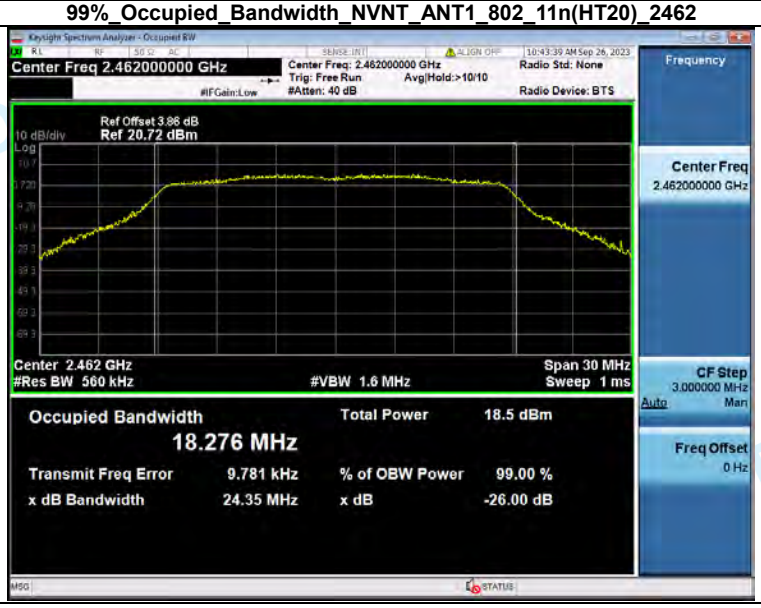


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT20)_2462



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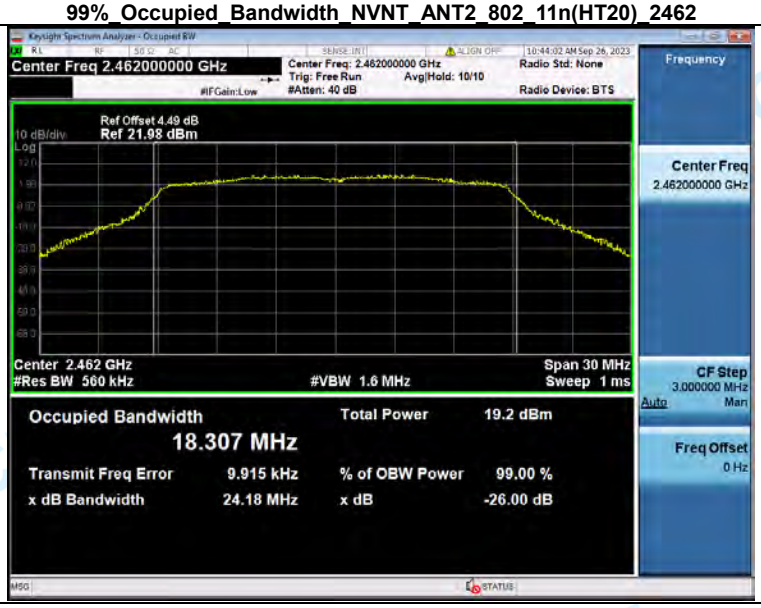
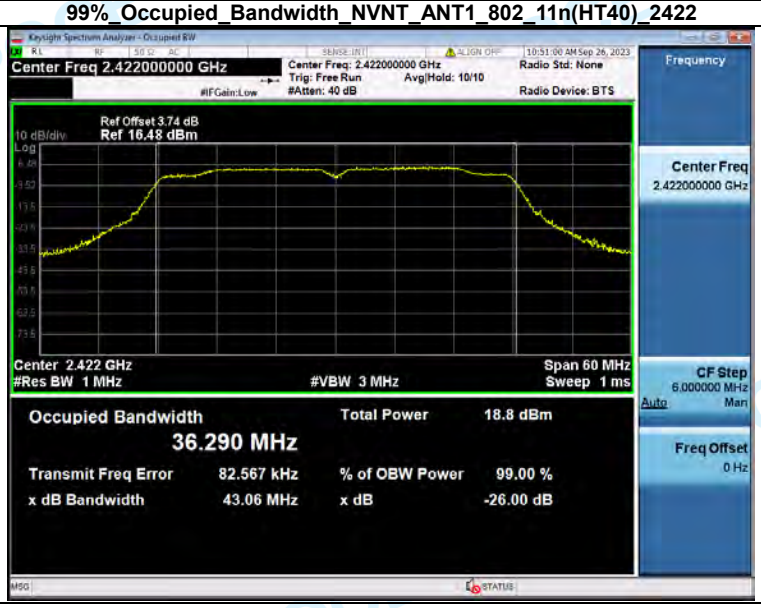
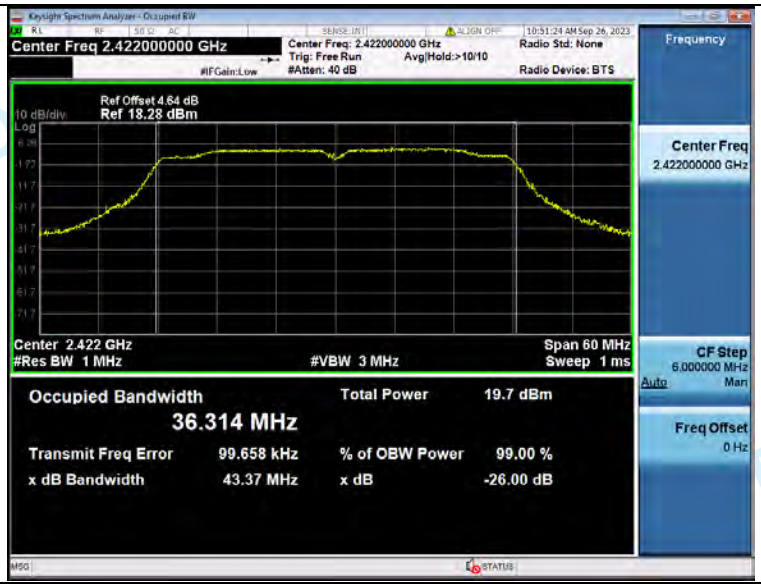


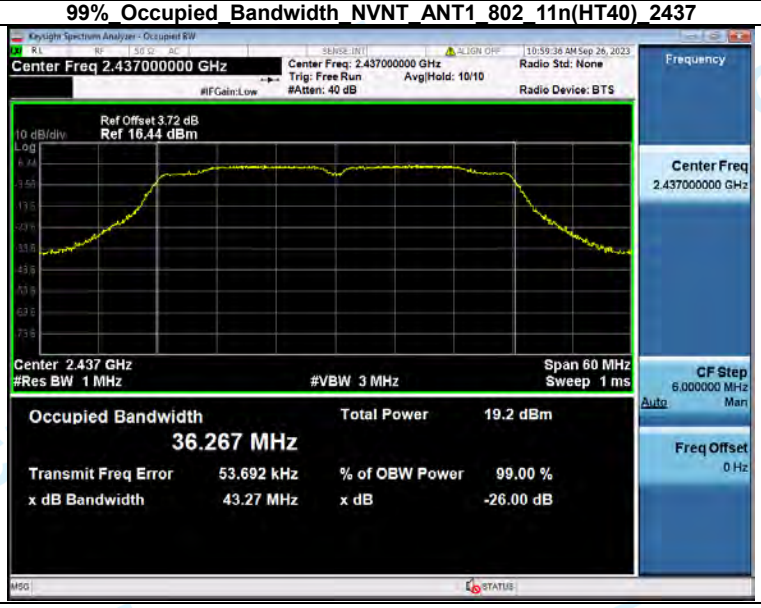
99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2422



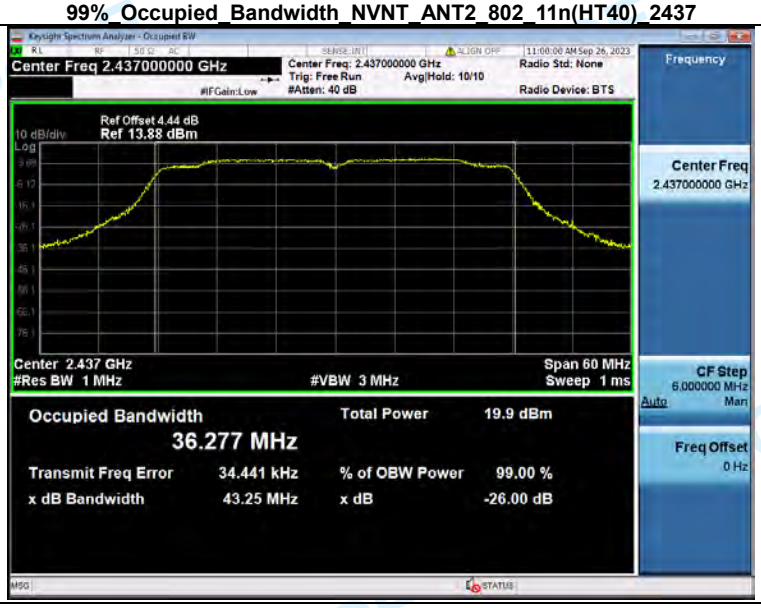
99%_Occupied_Bandwidth_NVNT_ANT2_802_11n(HT40)_2422

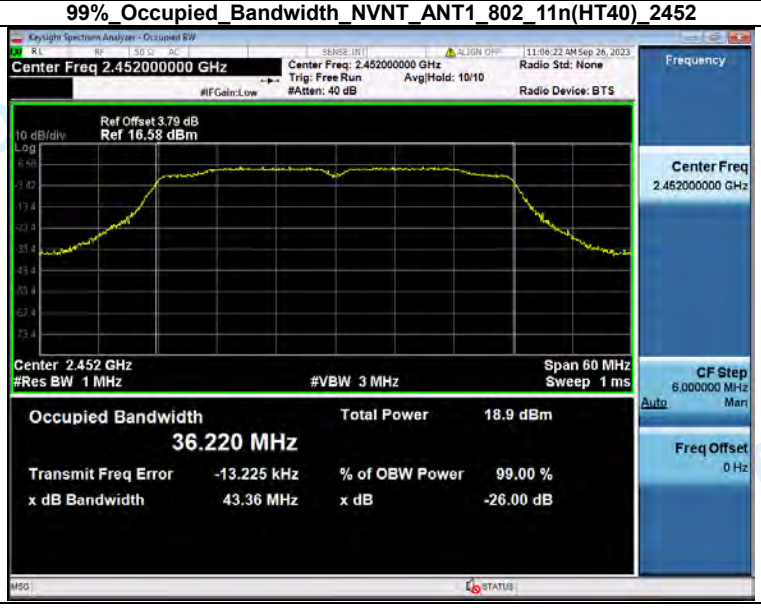


99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2437



99%_Occupied_Bandwidth_NVNT_ANT2_802_11n(HT40)_2437



99%_Occupied_Bandwidth_NVNT_ANT1_802_11n(HT40)_2452

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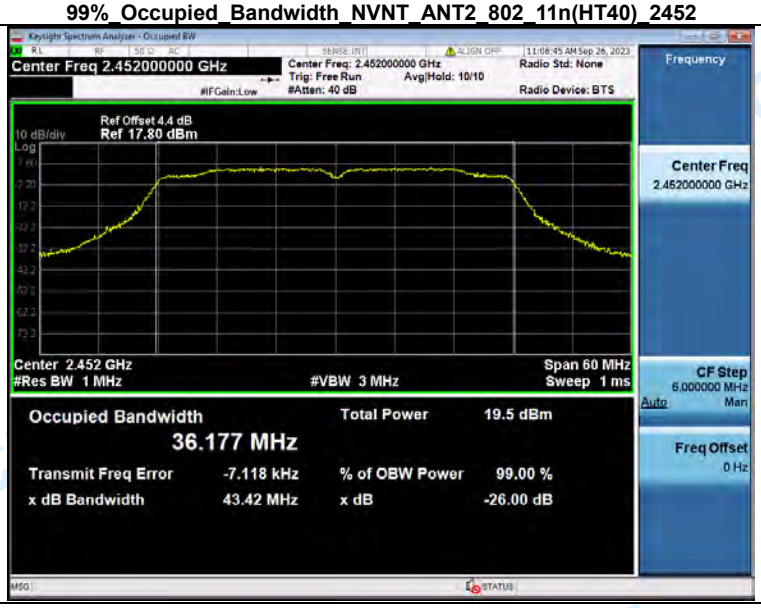
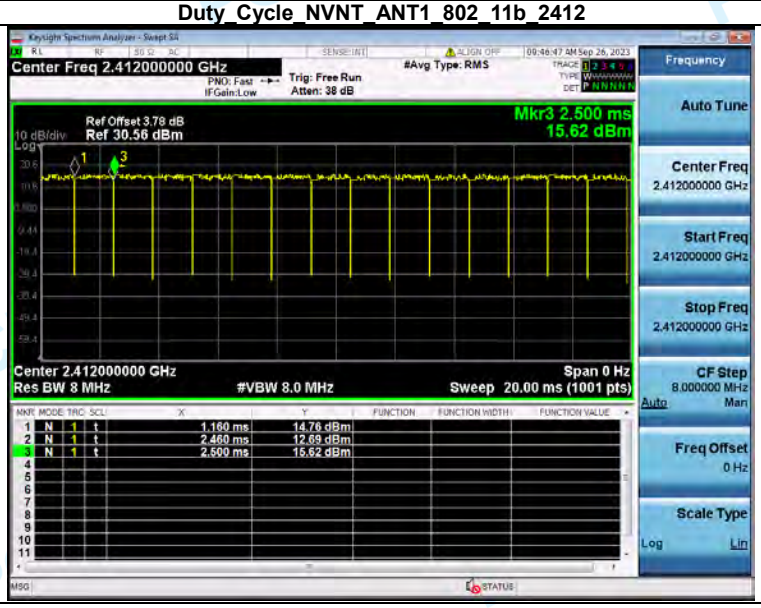


3. Duty Cycle

Condition	Antenna	Modulation	Frequency (MHz)	Duty cycle(%)	Duty factor(dB)
NVNT	ANT1	802.11b	2412.00	98.51	0.00
NVNT	ANT2	802.11b	2412.00	97.01	0.13
NVNT	ANT1	802.11b	2437.00	98.51	0.00
NVNT	ANT2	802.11b	2437.00	98.48	0.00
NVNT	ANT1	802.11b	2462.00	98.51	0.00
NVNT	ANT2	802.11b	2462.00	98.51	0.00
NVNT	ANT1	802.11g	2412.00	92.86	0.32
NVNT	ANT2	802.11g	2412.00	93.33	0.30
NVNT	ANT1	802.11g	2437.00	93.33	0.30
NVNT	ANT2	802.11g	2437.00	93.33	0.30
NVNT	ANT1	802.11g	2462.00	92.86	0.32
NVNT	ANT2	802.11g	2462.00	93.33	0.30
NVNT	ANT1	802.11n(HT20)	2412.00	94.17	0.26
NVNT	ANT2	802.11n(HT20)	2412.00	94.17	0.26
NVNT	ANT1	802.11n(HT20)	2437.00	94.17	0.26
NVNT	ANT2	802.11n(HT20)	2437.00	94.17	0.26
NVNT	ANT1	802.11n(HT20)	2462.00	94.17	0.26
NVNT	ANT2	802.11n(HT20)	2462.00	92.23	0.35
NVNT	ANT1	802.11n(HT40)	2422.00	94.12	0.26
NVNT	ANT2	802.11n(HT40)	2422.00	94.12	0.26
NVNT	ANT1	802.11n(HT40)	2437.00	92.16	0.35
NVNT	ANT2	802.11n(HT40)	2437.00	94.12	0.26
NVNT	ANT1	802.11n(HT40)	2452.00	94.12	0.26
NVNT	ANT2	802.11n(HT40)	2452.00	94.12	0.26

Duty_Cycle_NVNT_ANT1_802_11b_2412



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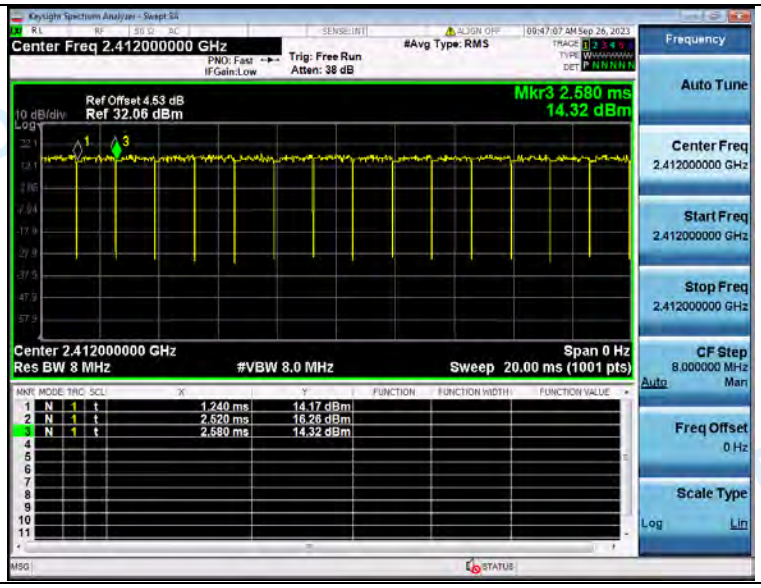

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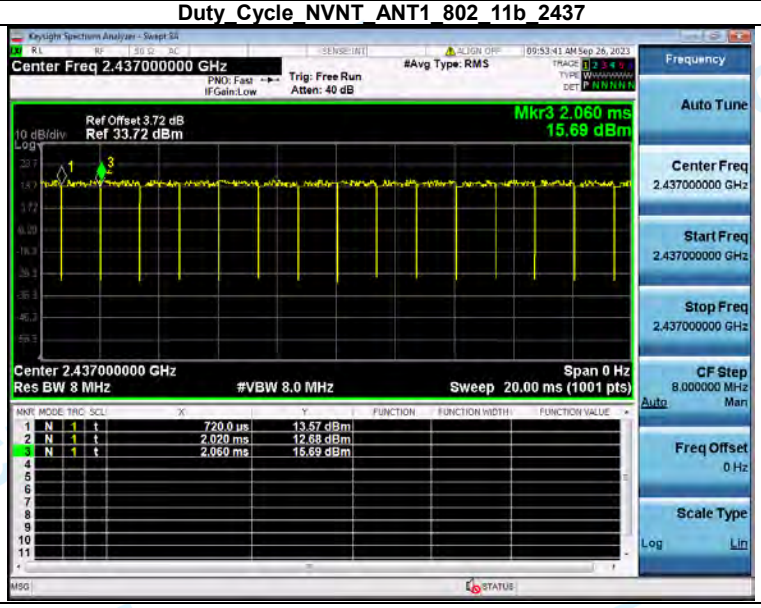

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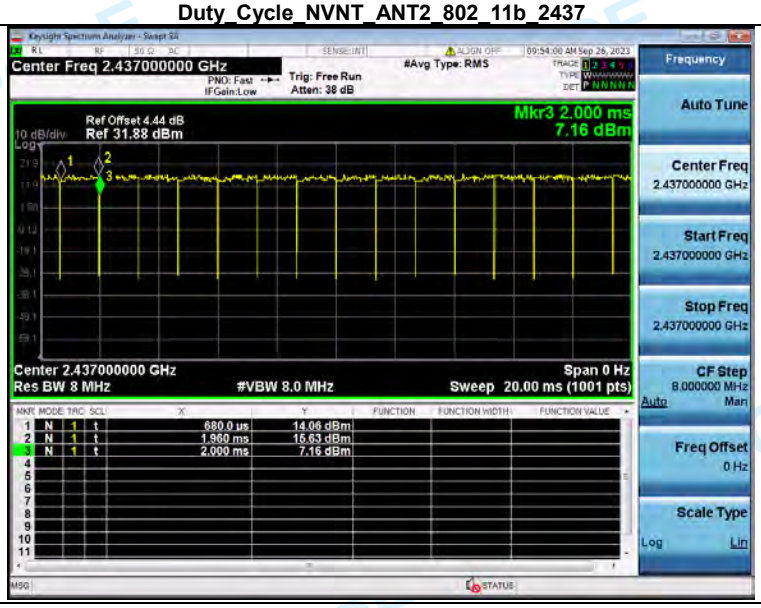

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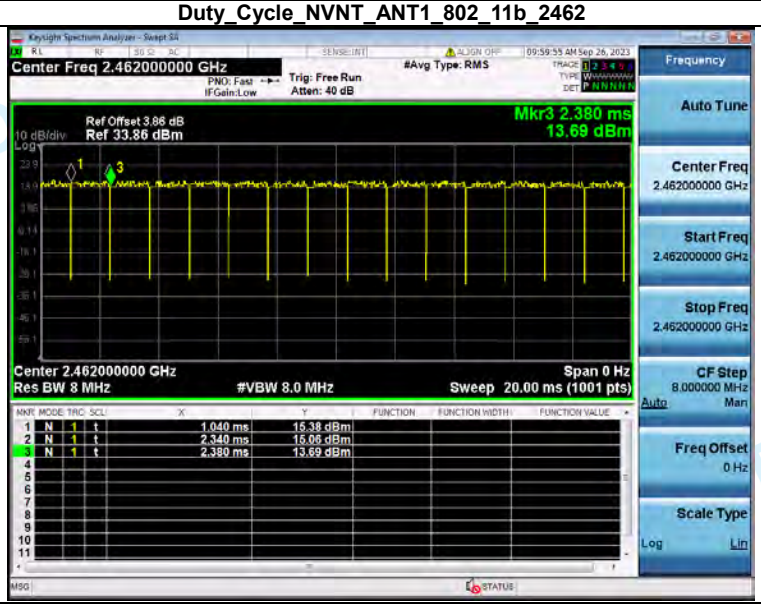
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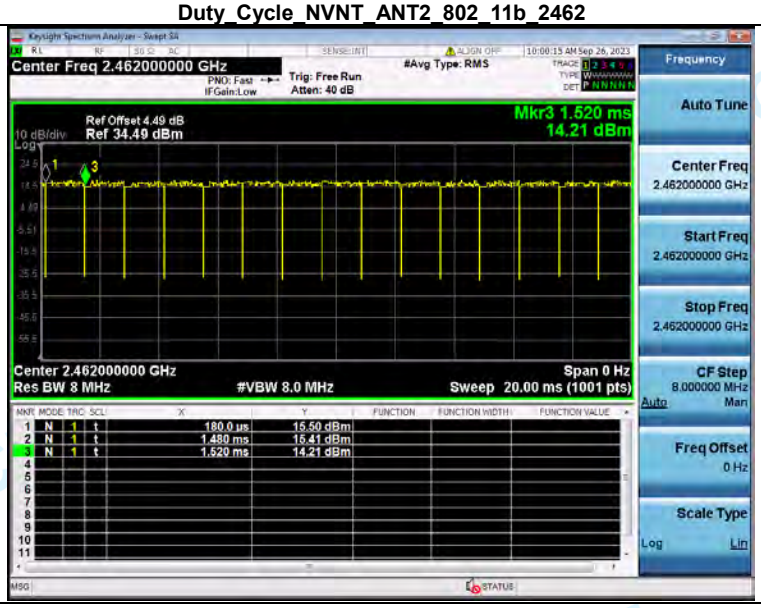

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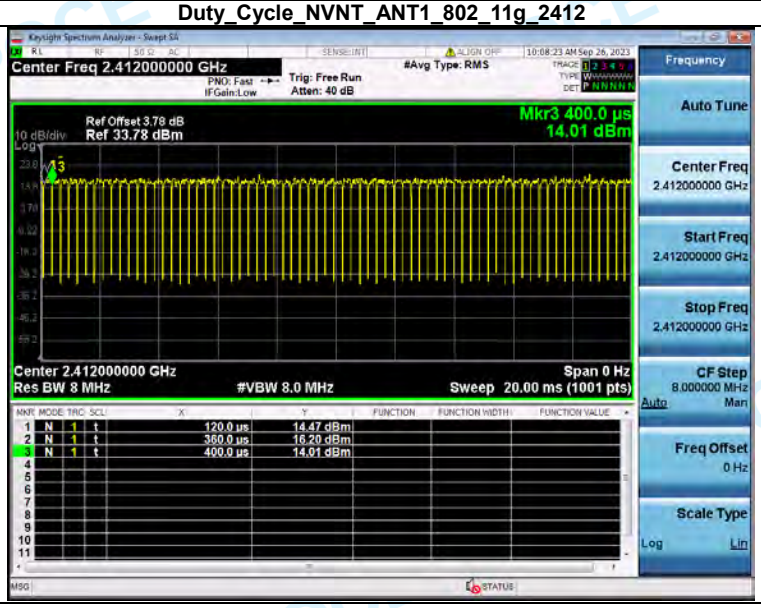
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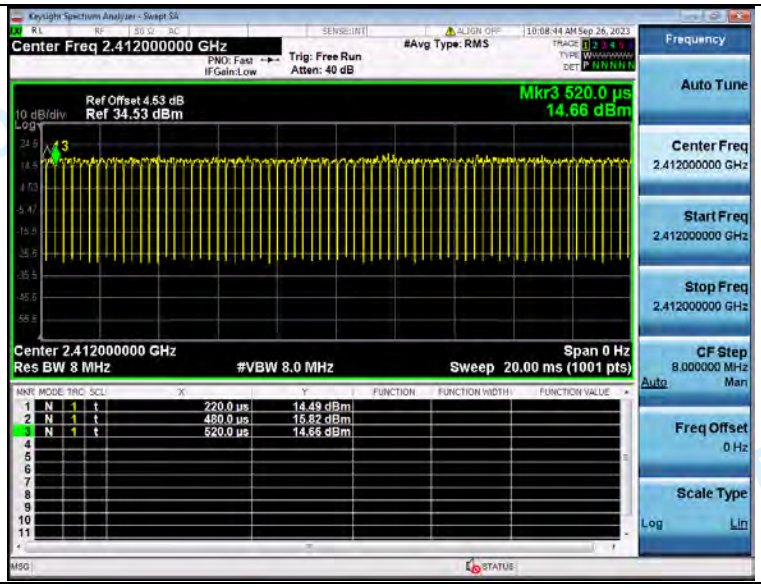

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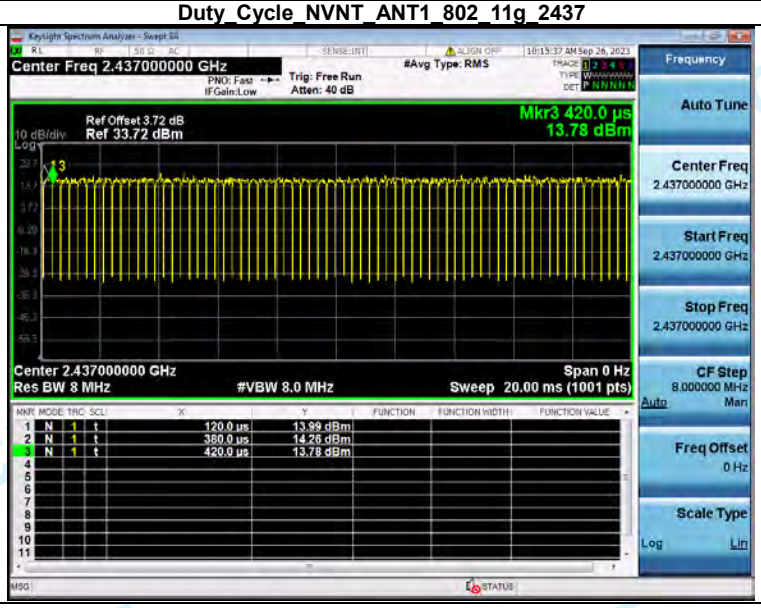

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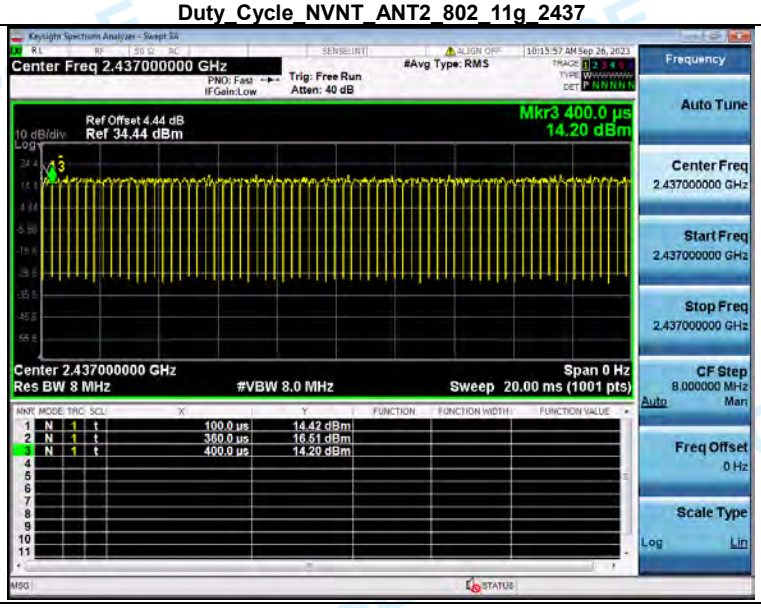
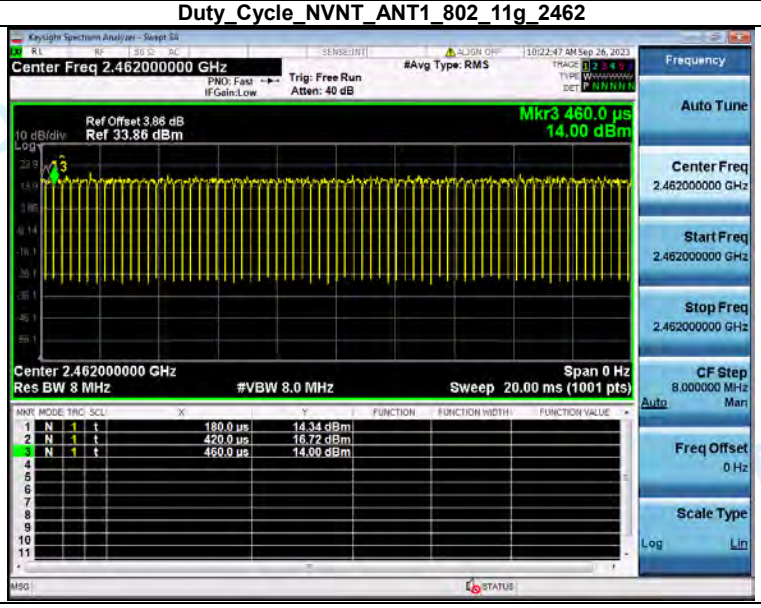
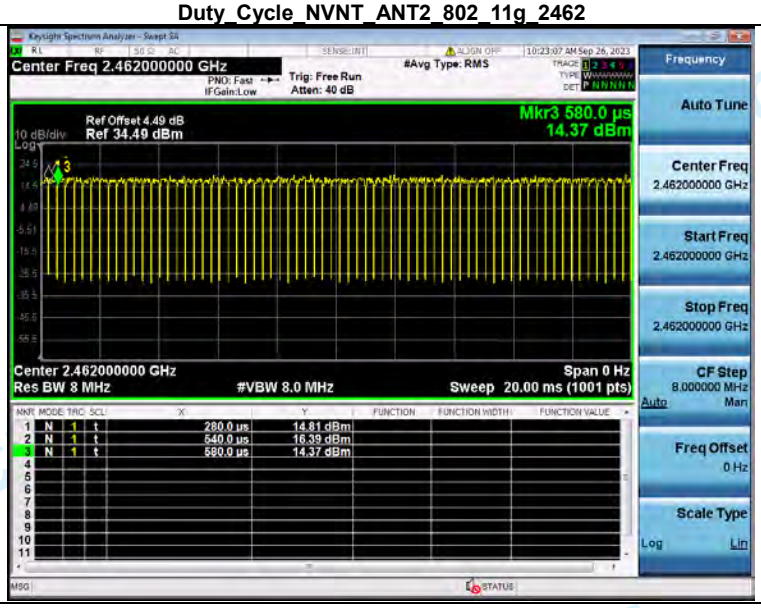


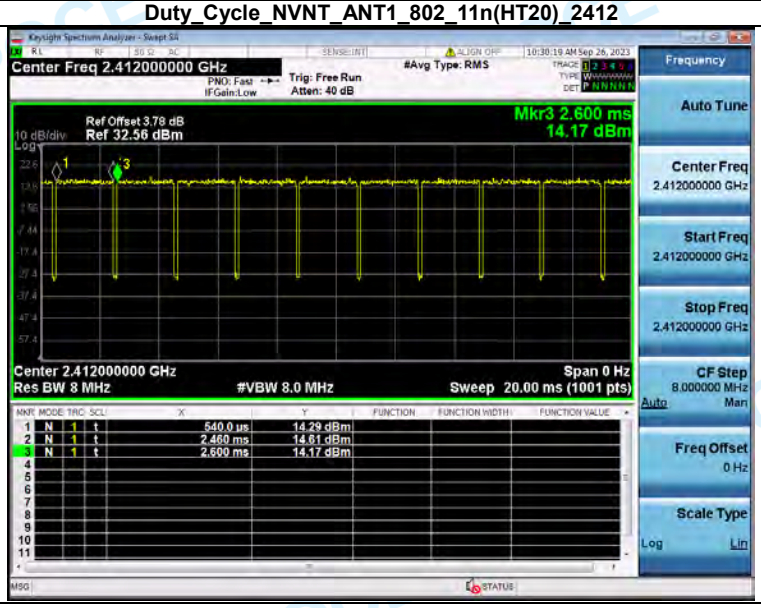
Duty_Cycle_NVNT_ANT1_802_11g_2462



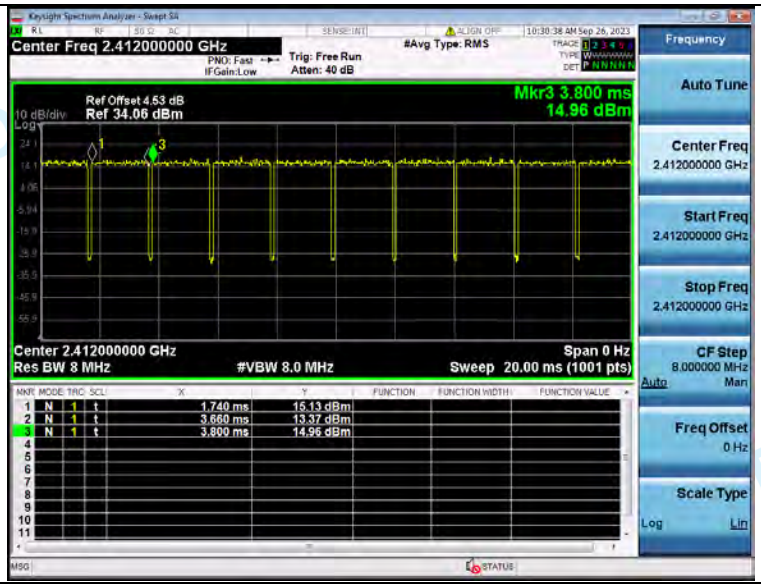
Duty_Cycle_NVNT_ANT2_802_11g_2462



Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2412



Duty_Cycle_NVNT_ANT2_802_11n(HT20)_2412



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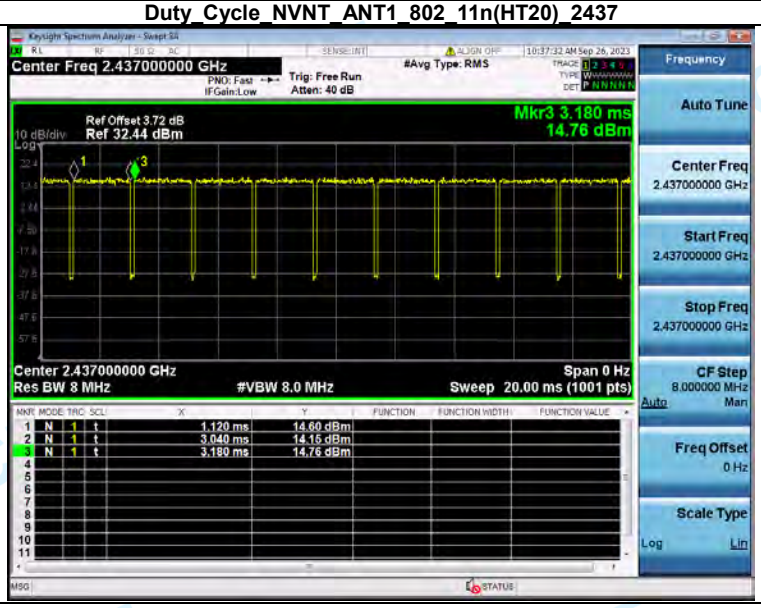
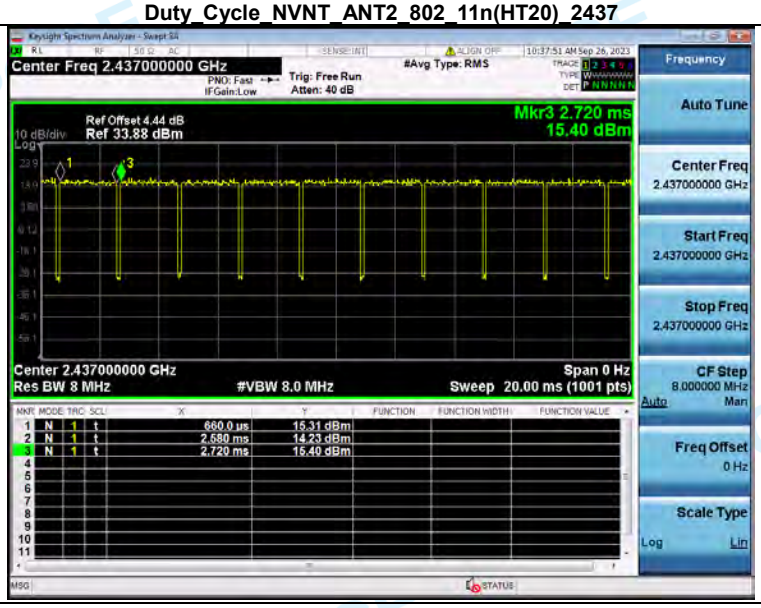
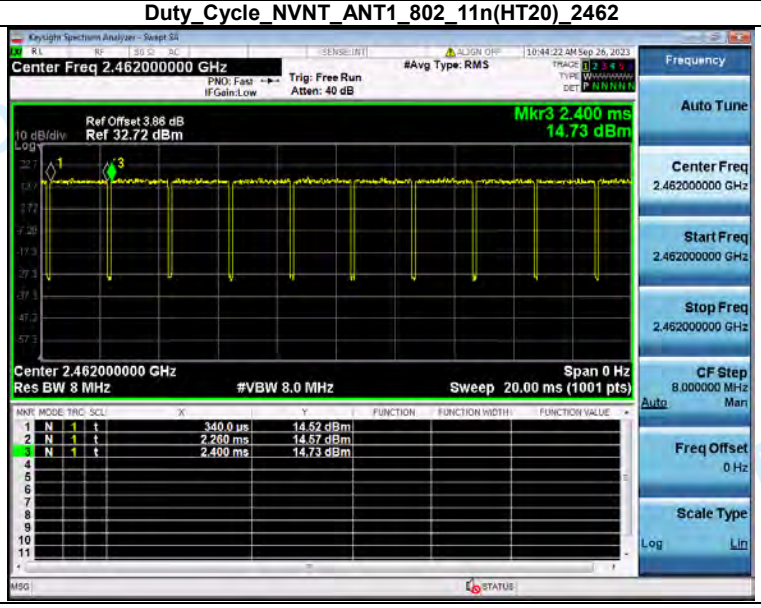


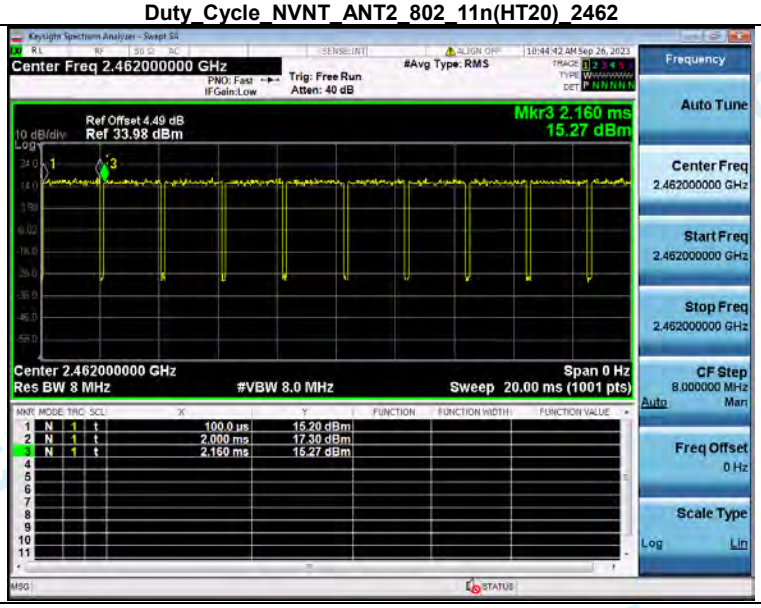
Duty_Cycle_NVNT_ANT2_802_11n(HT20)_2437



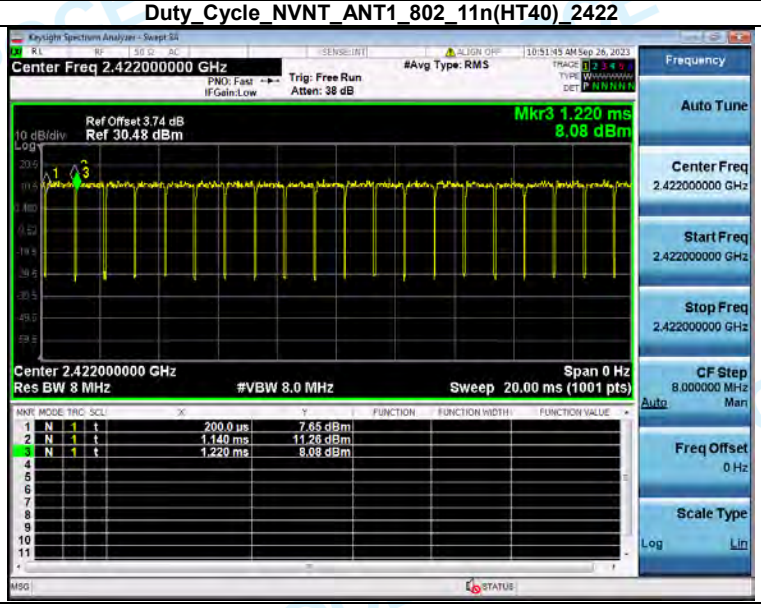
Duty_Cycle_NVNT_ANT1_802_11n(HT20)_2462



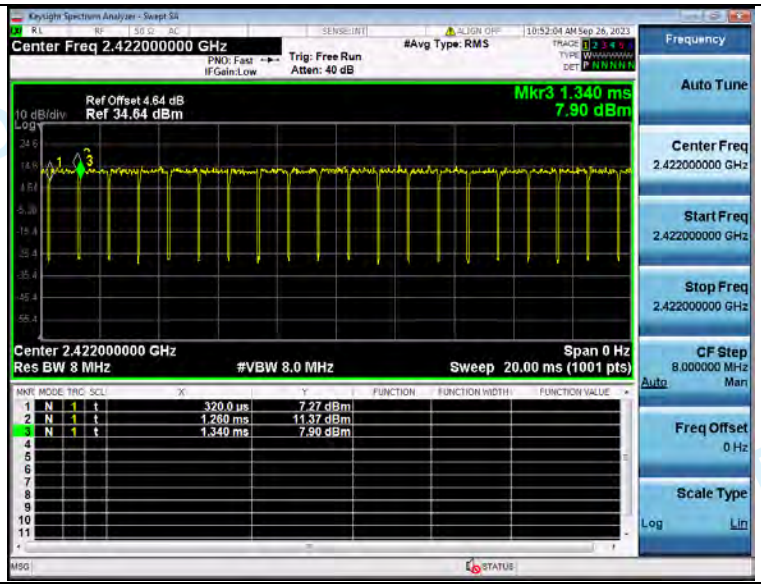
Duty_Cycle_NVNT_ANT2_802_11n(HT20)_2462



Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2422



Duty_Cycle_NVNT_ANT2_802_11n(HT40)_2422



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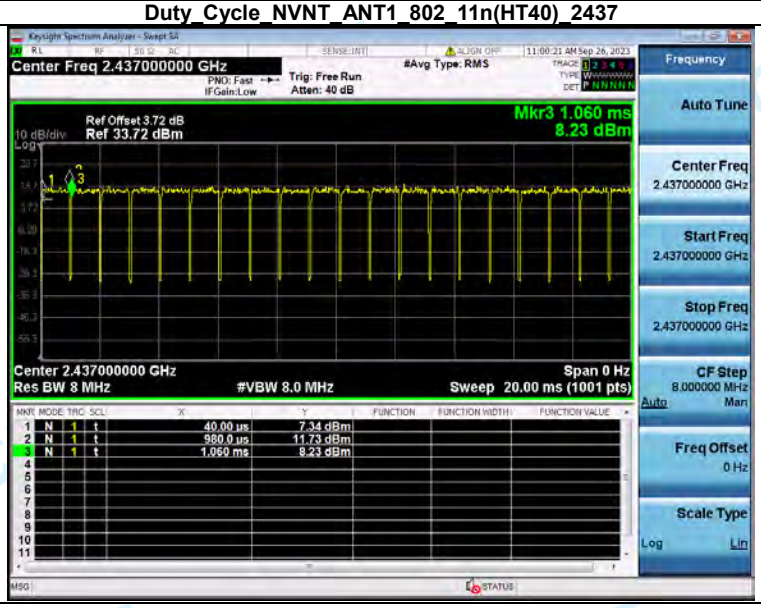

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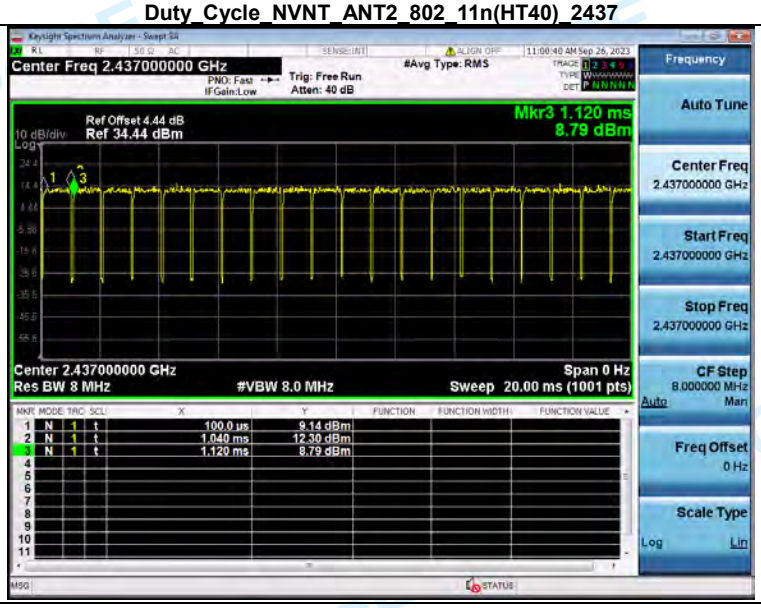
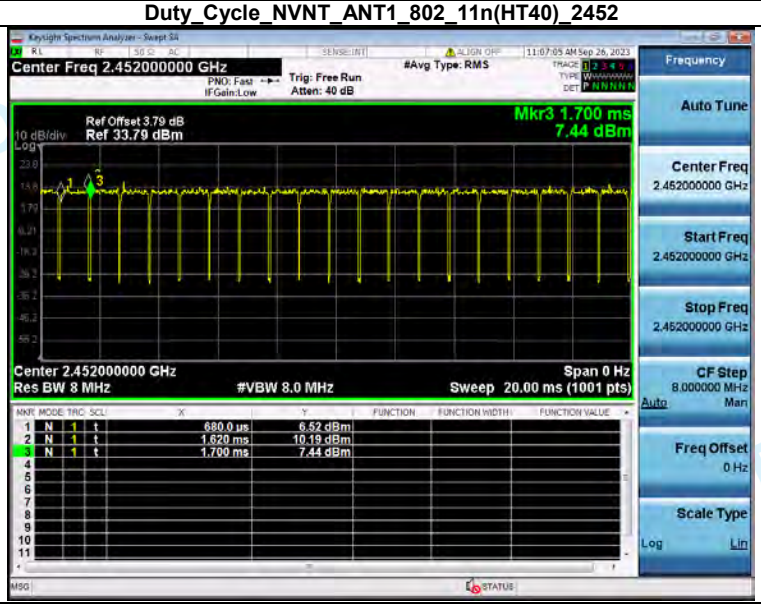
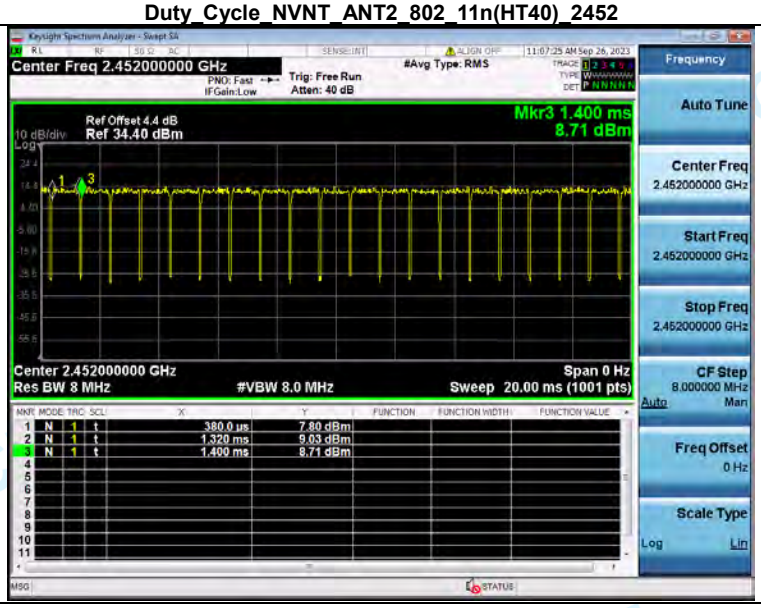


Duty_Cycle_NVNT_ANT1_802_11n(HT40)_2452

Duty_Cycle_NVNT_ANT2_802_11n(HT40)_2452


4. MAX. Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Conducted PK Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	10.40	0.00	10.40	30	Pass
NVNT	ANT2	802.11b	2412.00	11.16	0.13	11.29	30	Pass
NVNT	ANT1	802.11b	2437.00	10.34	0.00	10.34	30	Pass
NVNT	ANT2	802.11b	2437.00	10.93	0.00	10.93	30	Pass
NVNT	ANT1	802.11b	2462.00	10.55	0.00	10.55	30	Pass
NVNT	ANT2	802.11b	2462.00	11.08	0.00	11.08	30	Pass
NVNT	ANT1	802.11g	2412.00	10.47	0.32	10.79	30	Pass
NVNT	ANT2	802.11g	2412.00	11.20	0.30	11.50	30	Pass
NVNT	ANT1	802.11g	2437.00	10.34	0.30	10.64	30	Pass
NVNT	ANT2	802.11g	2437.00	10.90	0.30	11.20	30	Pass
NVNT	ANT1	802.11g	2462.00	10.63	0.32	10.95	30	Pass
NVNT	ANT2	802.11g	2462.00	11.22	0.30	11.52	30	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	10.62	0.26	10.88	30	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	11.44	0.26	11.70	30	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	10.61	0.26	10.87	30	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	11.28	0.26	11.54	30	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	10.88	0.26	11.14	30	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	11.52	0.35	11.87	30	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	10.19	0.26	10.45	30	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	11.06	0.26	11.32	30	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	10.58	0.35	10.93	30	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	11.25	0.26	11.51	30	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	10.24	0.26	10.50	30	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	10.80	0.26	11.06	30	Pass

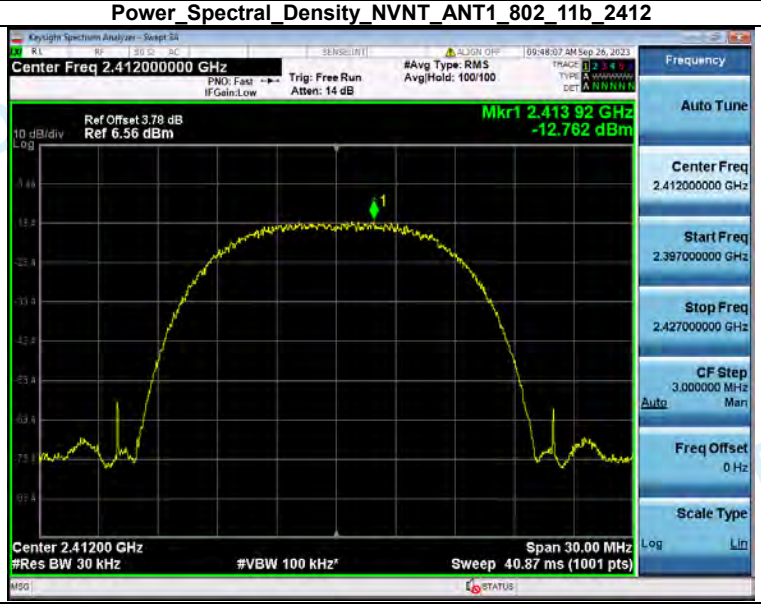
Condition	Antenna	Mode	Frequency(MHz)	MIMO_Conducted_Power (dBm)	Limit(dBm)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	14.32	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	14.23	30	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	14.53	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	13.92	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	14.24	30	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	13.80	30	Pass

5. Power Spectral Density

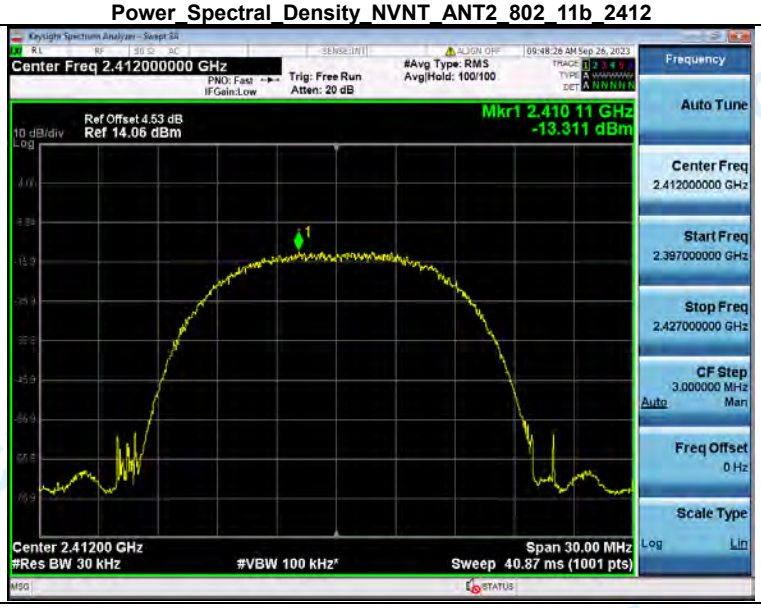
Condition	Antenna	Modulation	Frequency (MHz)	PSD(dBm/30kHz)	Duty factor(dB)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	ANT1	802.11b	2412.00	-12.76	0.00	-22.76	8	Pass
NVNT	ANT2	802.11b	2412.00	-13.31	0.13	-23.18	8	Pass
NVNT	ANT1	802.11b	2437.00	-12.87	0.00	-22.87	8	Pass
NVNT	ANT2	802.11b	2437.00	-11.87	0.00	-21.87	8	Pass
NVNT	ANT1	802.11b	2462.00	-12.37	0.00	-22.37	8	Pass
NVNT	ANT2	802.11b	2462.00	-12.12	0.00	-22.12	8	Pass
NVNT	ANT1	802.11g	2412.00	-12.60	0.32	-22.28	8	Pass
NVNT	ANT2	802.11g	2412.00	-11.33	0.30	-21.03	8	Pass
NVNT	ANT1	802.11g	2437.00	-12.71	0.30	-22.41	8	Pass
NVNT	ANT2	802.11g	2437.00	-12.20	0.30	-21.90	8	Pass
NVNT	ANT1	802.11g	2462.00	-12.18	0.32	-21.86	8	Pass
NVNT	ANT2	802.11g	2462.00	-11.69	0.30	-21.39	8	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	-13.78	0.26	-23.52	8	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	-12.77	0.26	-22.51	8	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	-13.66	0.26	-23.40	8	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	-12.91	0.26	-22.65	8	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	-13.54	0.26	-23.28	8	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	-12.21	0.35	-21.86	8	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	-17.11	0.26	-26.85	8	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	-16.22	0.26	-25.96	8	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	-16.81	0.35	-26.46	8	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	-15.99	0.26	-25.73	8	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	-17.10	0.26	-26.84	8	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	-16.67	0.26	-26.41	8	Pass

Note: $PSD_{(dBm/3kHz)}$= PSD(dBm/30kHz) - 10*log(3 / 30))+ Duty factor

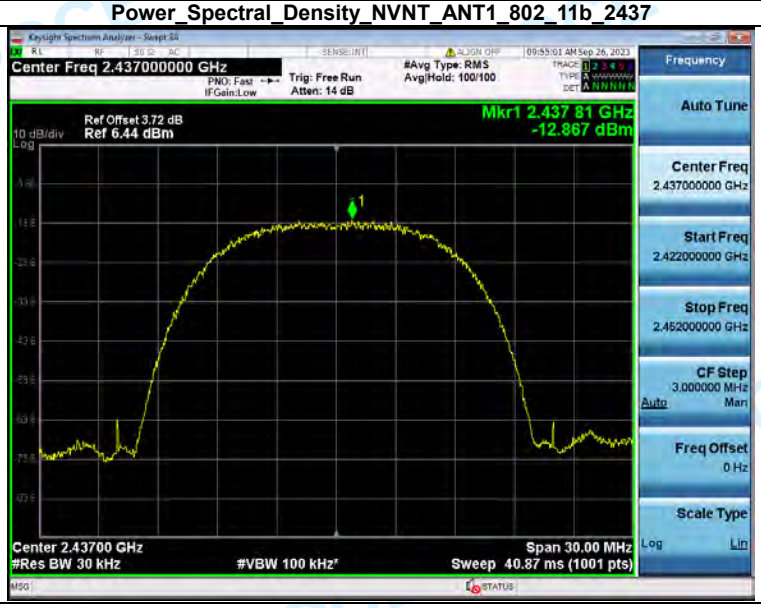
Power_Spectral_Density_NVNT_ANT1_802_11b_2412



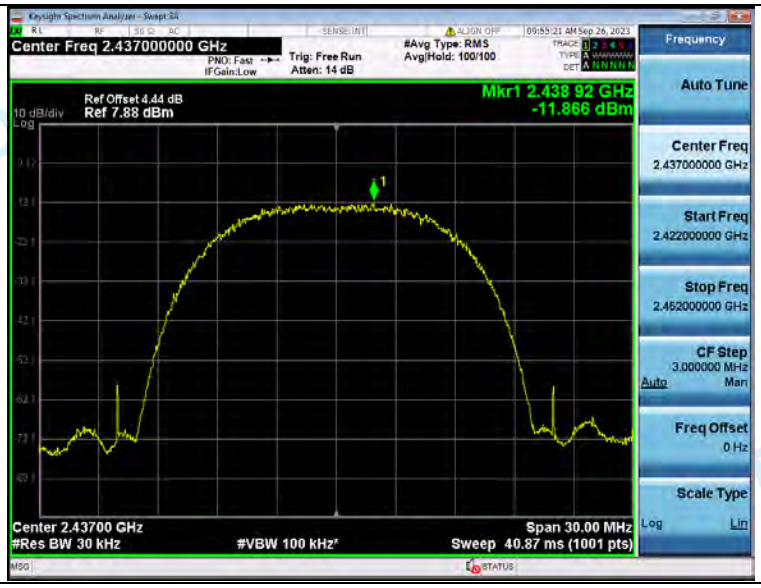
Power_Spectral_Density_NVNT_ANT2_802_11b_2412



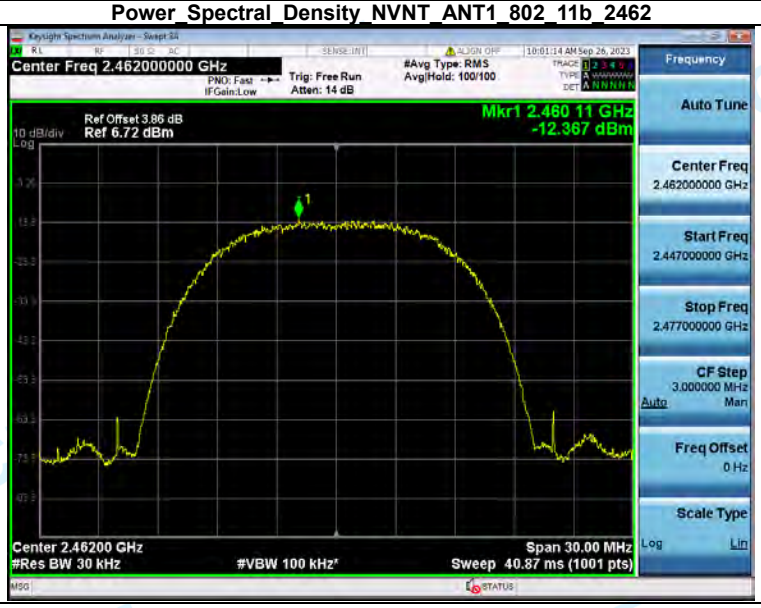
Power_Spectral_Density_NVNT_ANT1_802_11b_2437



Power_Spectral_Density_NVNT_ANT2_802_11b_2437



Power_Spectral_Density_NVNT_ANT1_802_11b_2462



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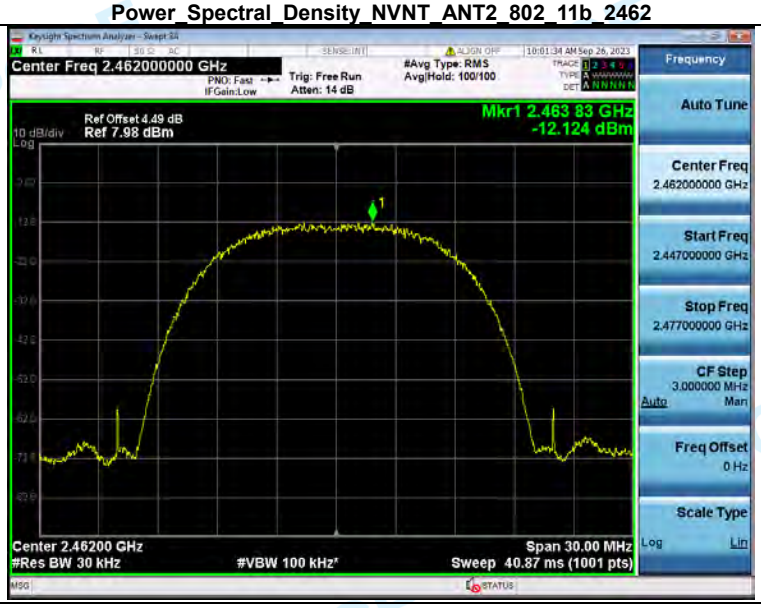

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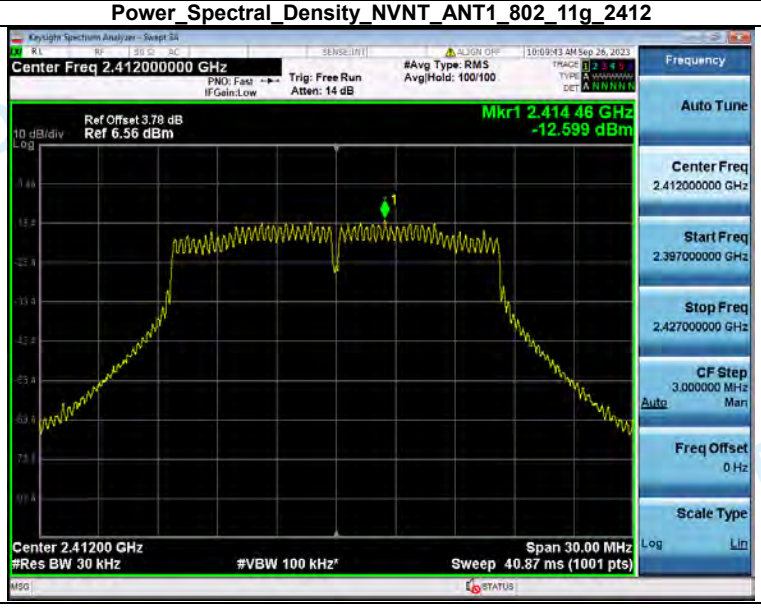
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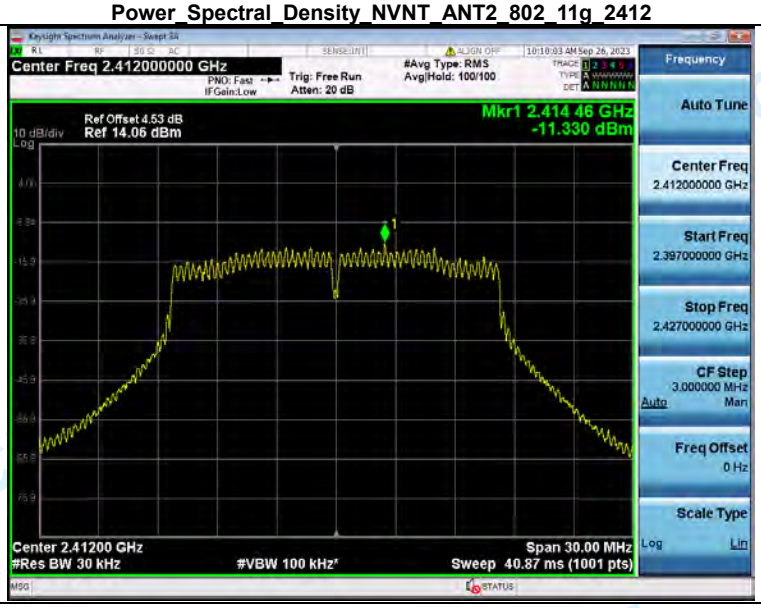
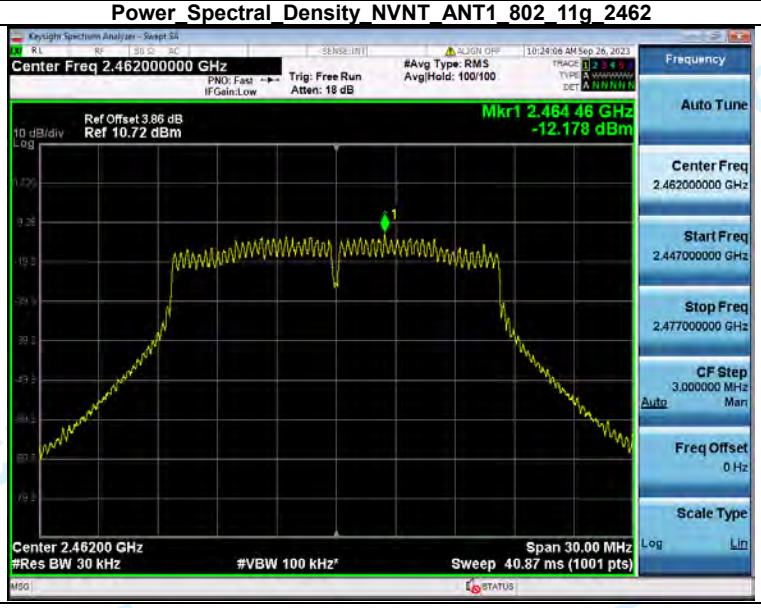


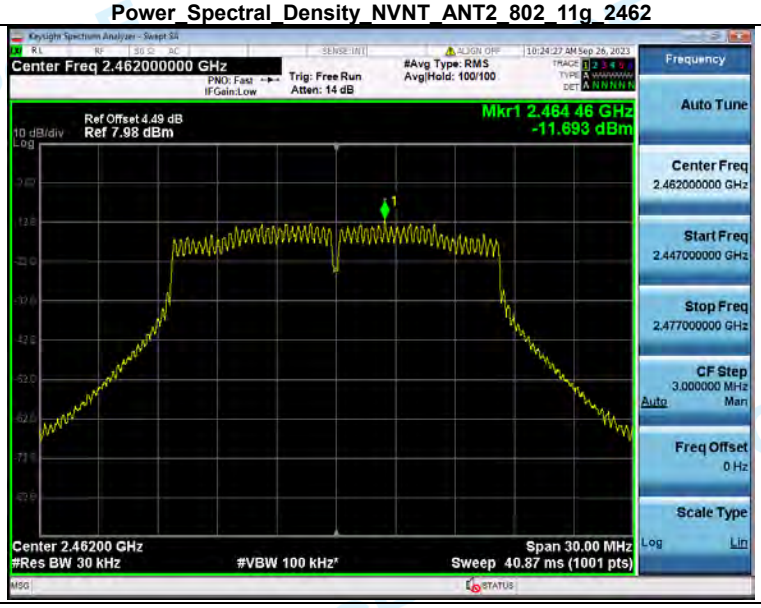
Power_Spectral_Density_NVNT_ANT1_802_11g_2437

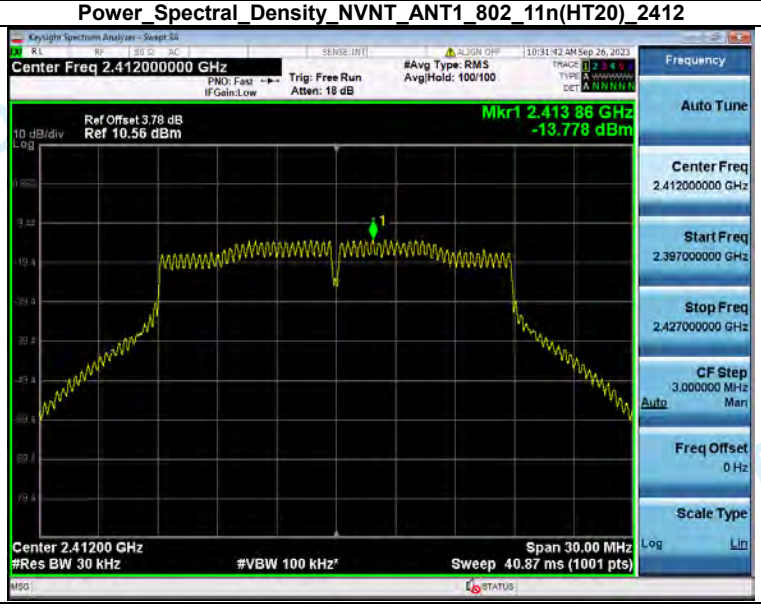
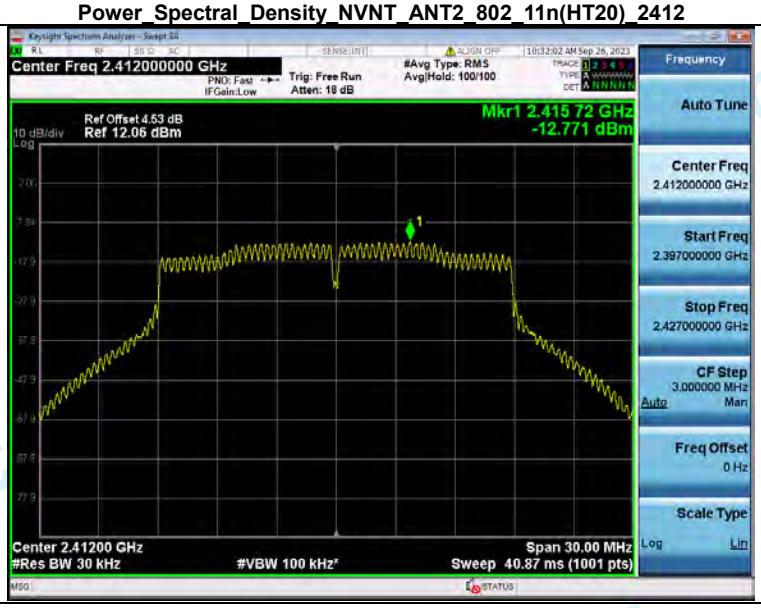
Power_Spectral_Density_NVNT_ANT2_802_11g_2437

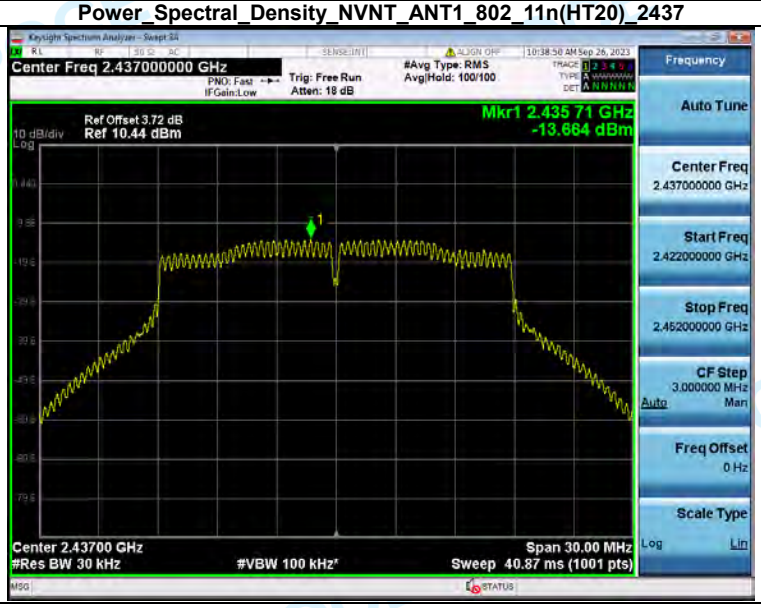
Power_Spectral_Density_NVNT_ANT1_802_11g_2462



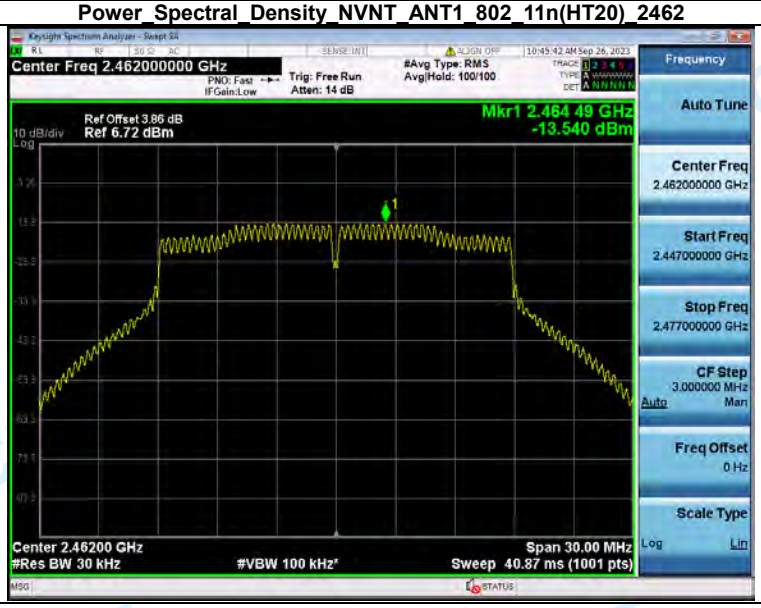
Power_Spectral_Density_NVNT_ANT2_802_11g_2462



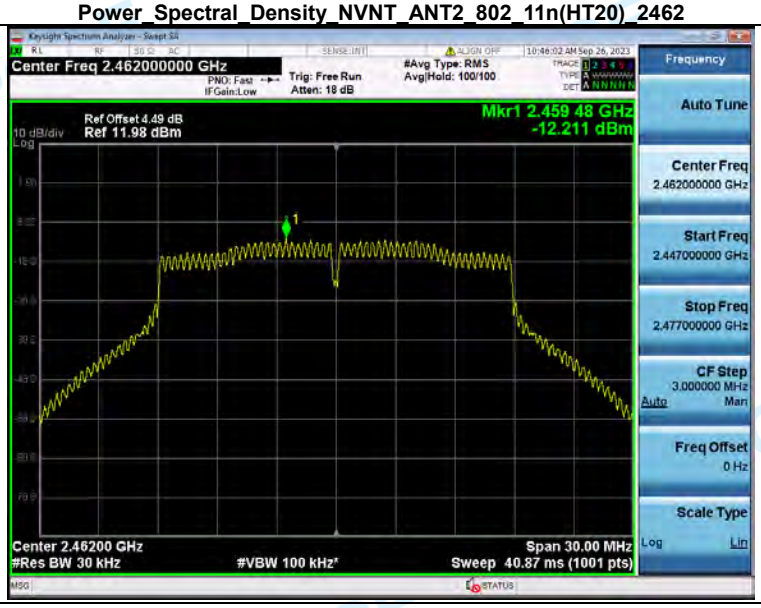
Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2412

Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2412


Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2437

Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2437

Power_Spectral_Density_NVNT_ANT1_802_11n(HT20)_2462



Power_Spectral_Density_NVNT_ANT2_802_11n(HT20)_2462



Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2422

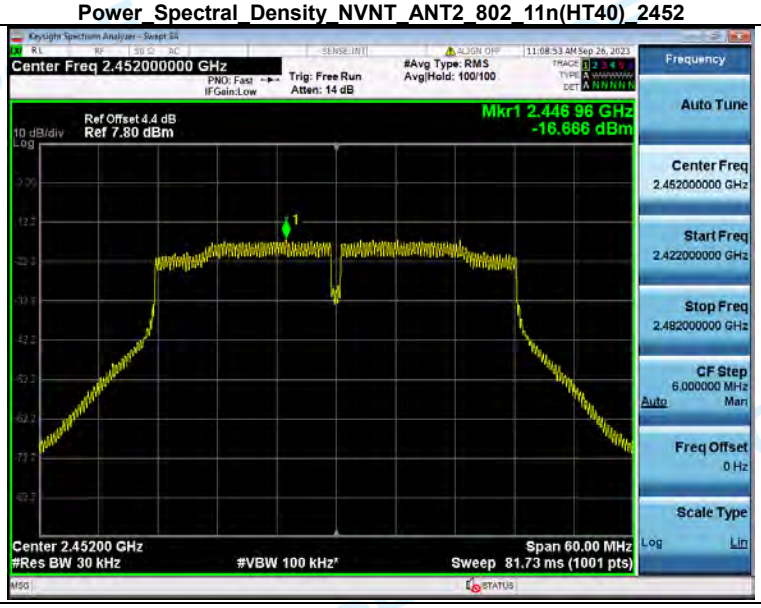
Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2422


Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2437

Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2437

Power_Spectral_Density_NVNT_ANT1_802_11n(HT40)_2452

Power_Spectral_Density_NVNT_ANT2_802_11n(HT40)_2452



Condition	Antenna	Mode	Frequency(MHz)	PSD(dBm/3kHz)	limit(dBm/3kHz)	Result
NVNT	MIMO_TX	802.11n(HT20)	2412.00	-20.19	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2437.00	-20.17	8	Pass
NVNT	MIMO_TX	802.11n(HT20)	2462.00	-19.69	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2422.00	-23.53	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2437.00	-23.23	8	Pass
NVNT	MIMO_TX	802.11n(HT40)	2452.00	-23.61	8	Pass

Note: MIMO PSD (mW)=PSD (ANT1) mW+PSD (ANT2) mW, then PSD mW is converted to PSD (dBm/3kHz)

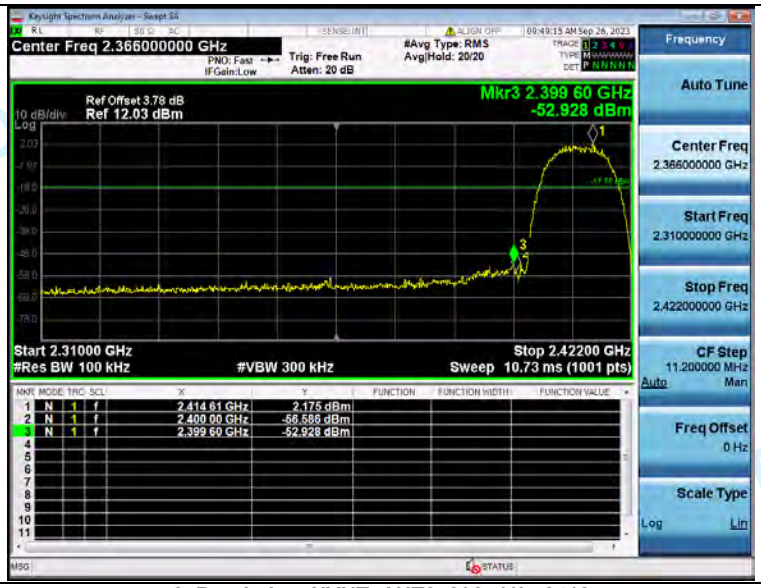
6. Bandedge

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	2399.600	-52.928	-27.75	Pass
NVNT	ANT2	802.11b	2412.00	2399.376	-52.921	-27.75	Pass
NVNT	ANT1	802.11b	2462.00	2484.016	-56.167	-27.89	Pass
NVNT	ANT2	802.11b	2462.00	2486.992	-55.887	-27.89	Pass
NVNT	ANT1	802.11g	2412.00	2399.712	-36.089	-29.222	Pass
NVNT	ANT2	802.11g	2412.00	2399.712	-35.457	-29.222	Pass
NVNT	ANT1	802.11g	2462.00	2483.584	-54.673	-28.899	Pass
NVNT	ANT2	802.11g	2462.00	2483.824	-54.729	-28.899	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	2399.712	-27.967	-28.535	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	2399.824	-27.544	-28.535	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	2486.944	-54.608	-28.291	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	2483.824	-54.880	-28.291	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	2399.496	-34.536	-32.415	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	2399.892	-31.745	-32.415	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	2485.788	-51.863	-32.493	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	2484.428	-52.089	-32.493	Pass

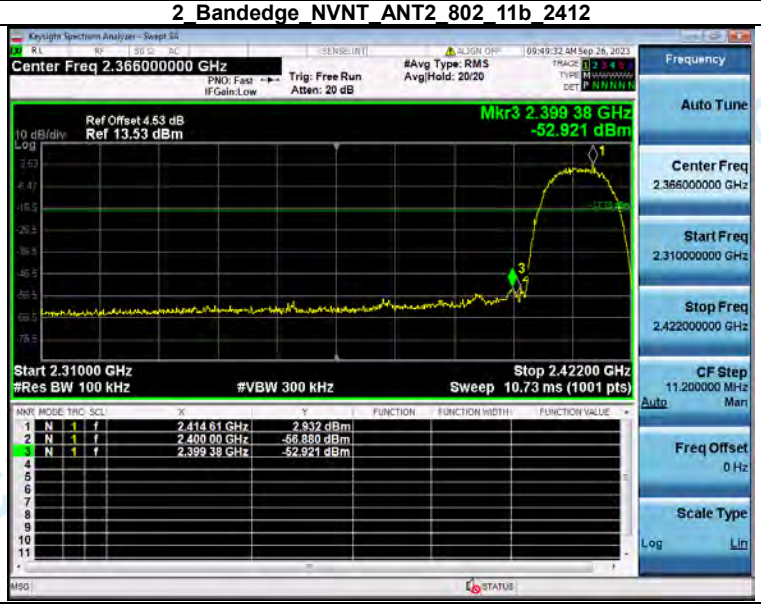
1_Reference_Level_NVNT_ANT1_802_11b_2412

1_Reference_Level_NVNT_ANT2_802_11b_2412

2_Bandedge_NVNT_ANT1_802_11b_2412



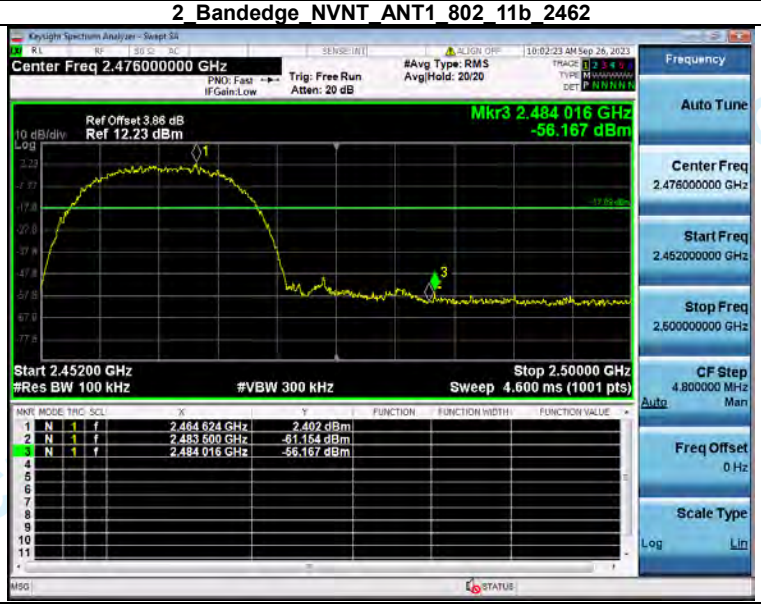
2_Bandedge_NVNT_ANT2_802_11b_2412



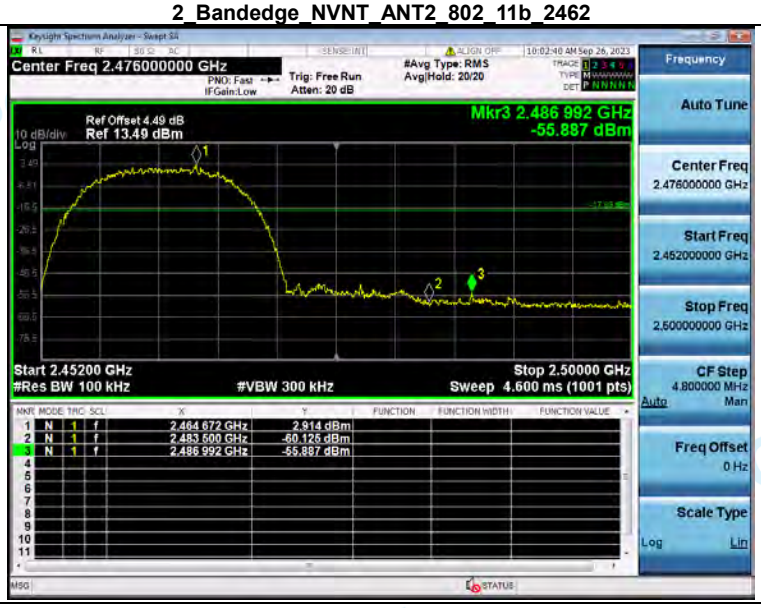
1_Reference_Level_NVNT_ANT1_802_11b_2462

1_Reference_Level_NVNT_ANT2_802_11b_2462

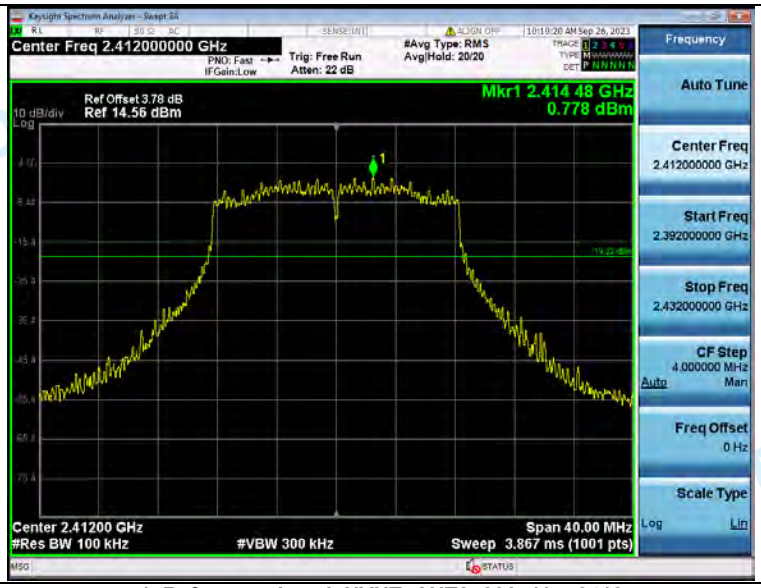
2_Bandedge_NVNT_ANT1_802_11b_2462



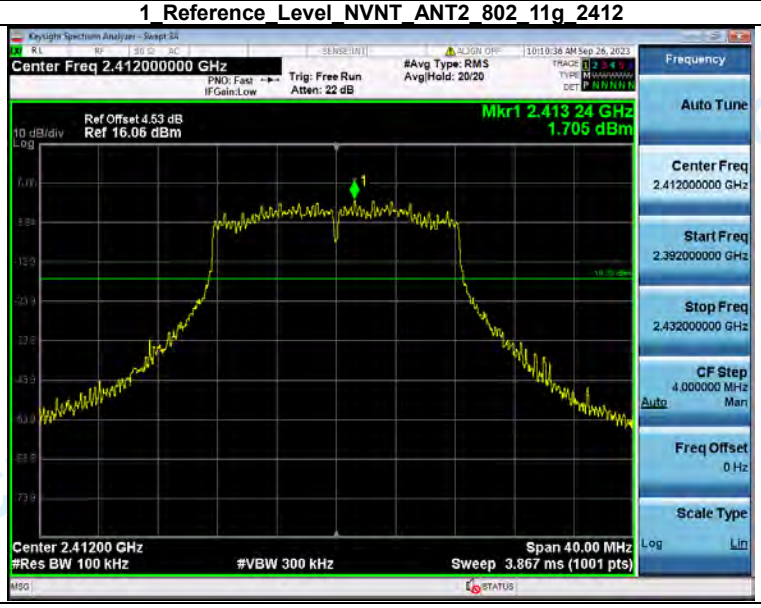
2_Bandedge_NVNT_ANT2_802_11b_2462



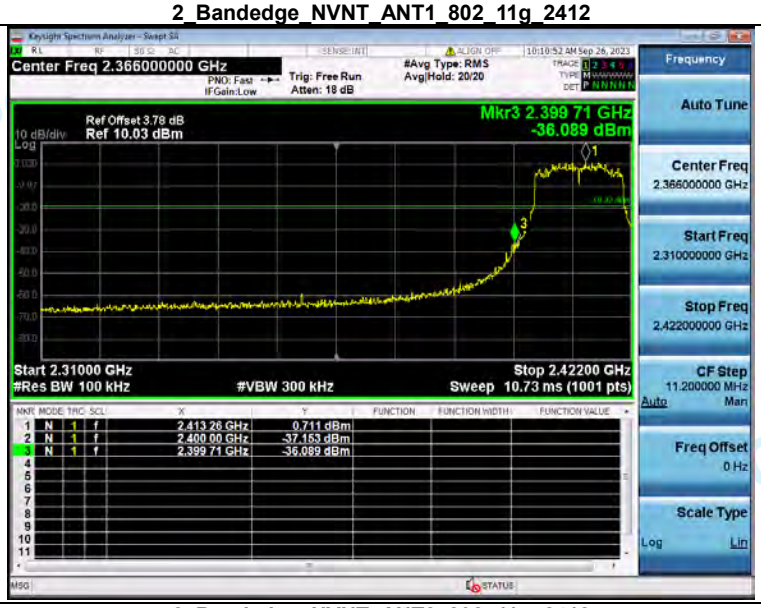
1_Reference_Level_NVNT_ANT1_802_11g_2412



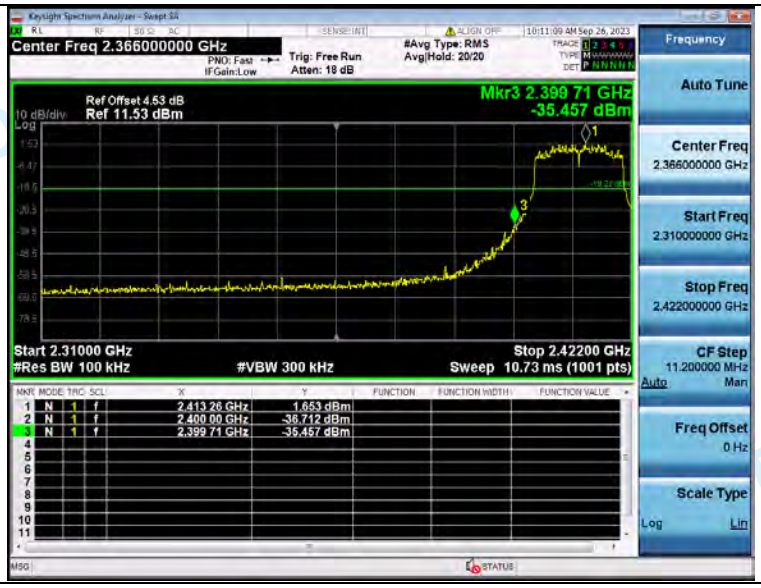
1_Reference_Level_NVNT_ANT2_802_11g_2412



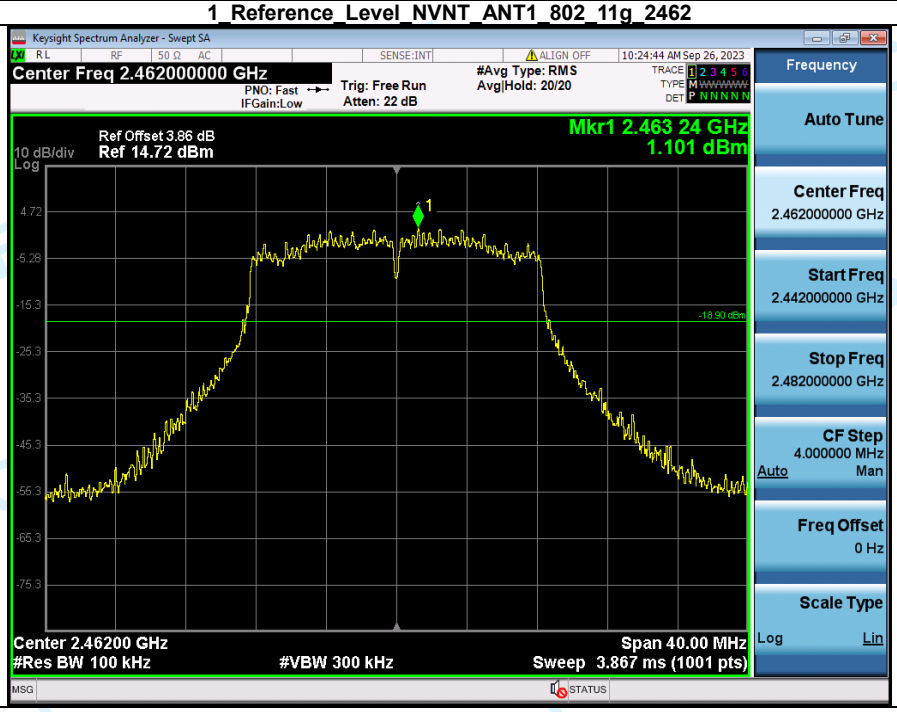
2_Bandedge_NVNT_ANT1_802_11g_2412



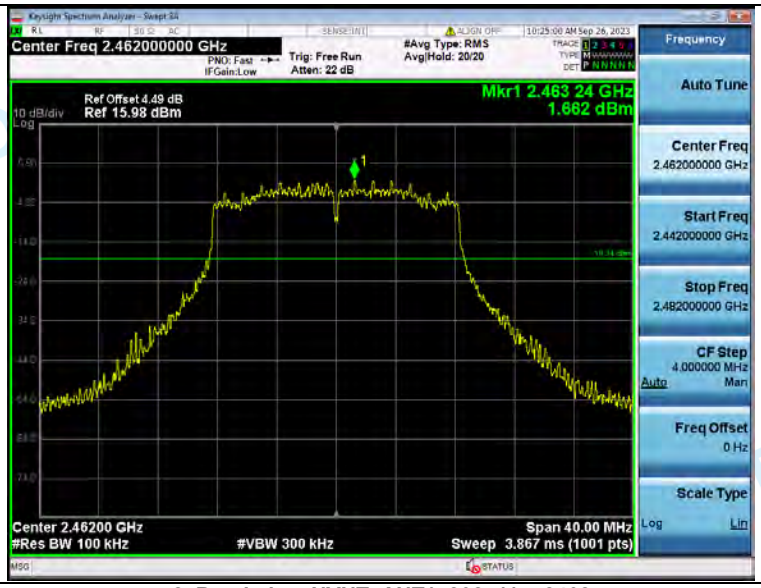
2_Bandedge_NVNT_ANT2_802_11g_2412



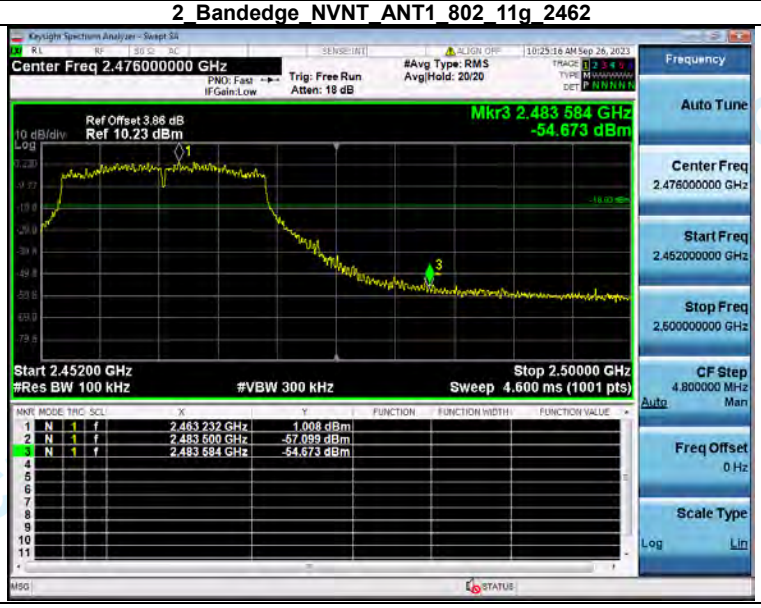
1_Reference_Level_NVNT_ANT1_802_11g_2462



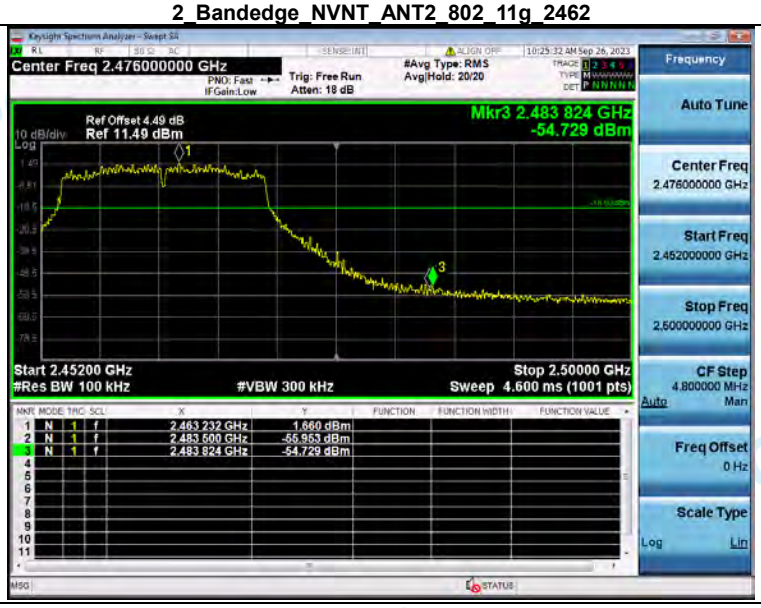
1_Reference_Level_NVNT_ANT2_802_11g_2462



2_Bandedge_NVNT_ANT1_802_11g_2462

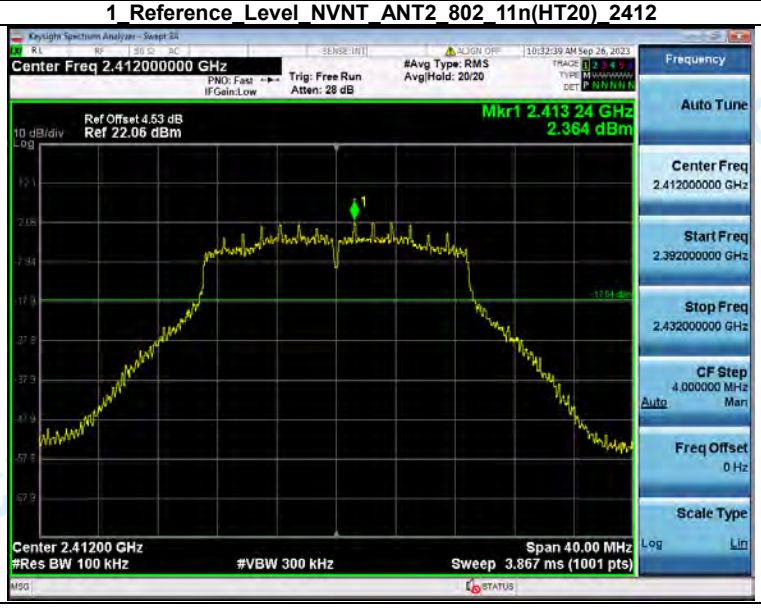


2_Bandedge_NVNT_ANT2_802_11g_2462

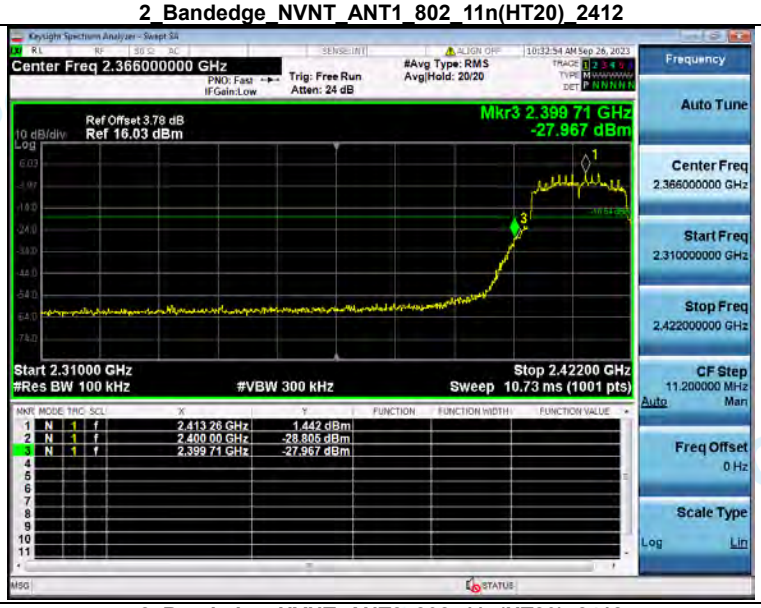


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

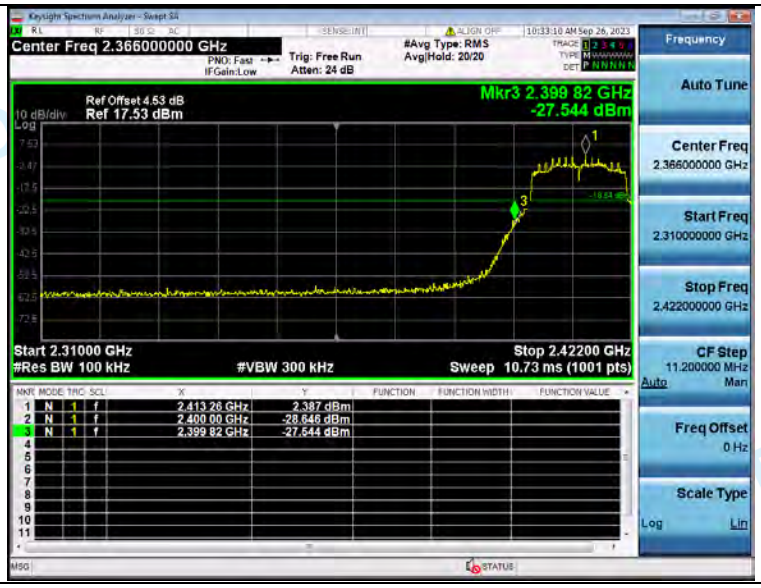
1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2412



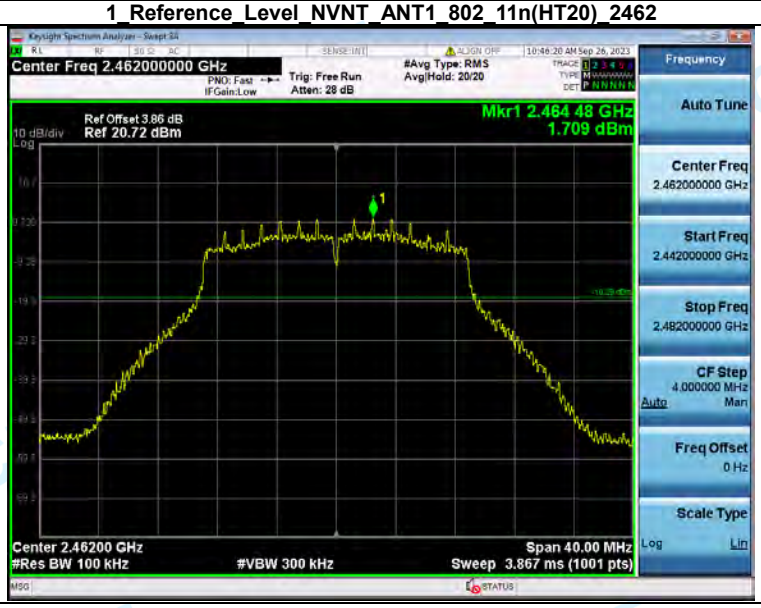
2_Bandedge_NVNT_ANT1_802_11n(HT20)_2412



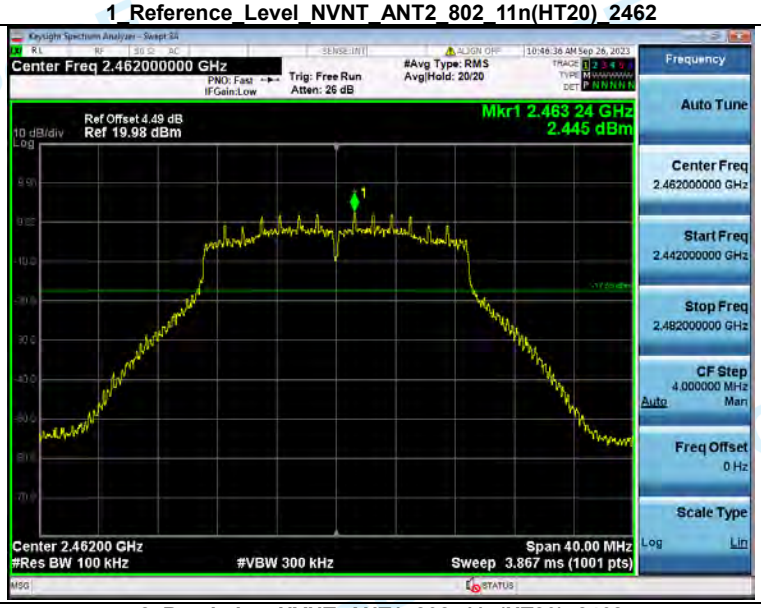
2_Bandedge_NVNT_ANT2_802_11n(HT20)_2412



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462

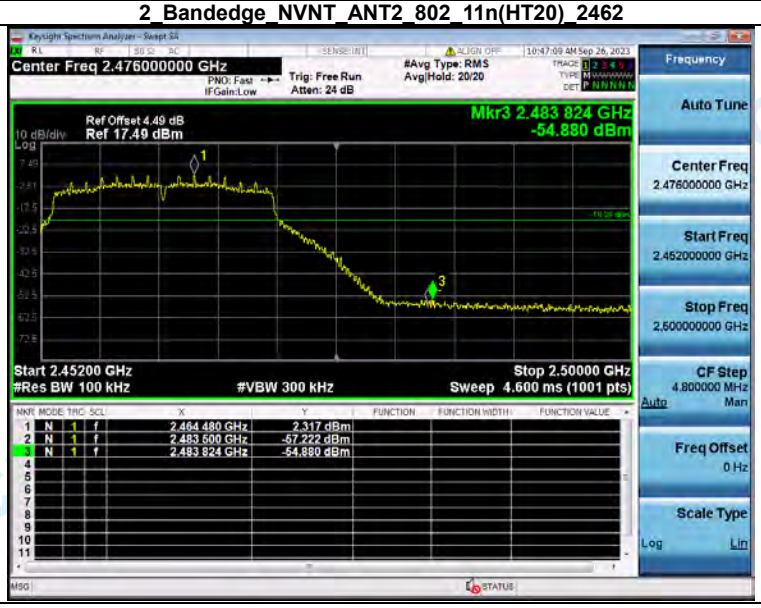


1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2462

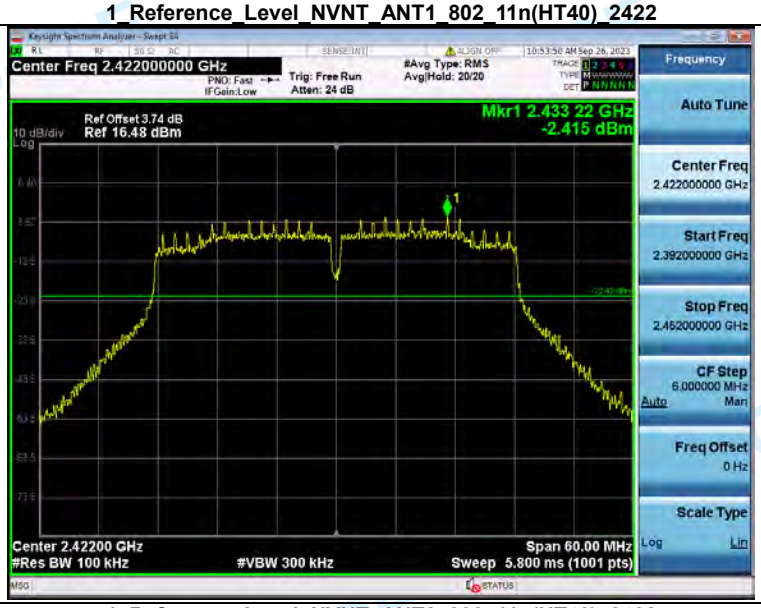


2_Bandedge_NVNT_ANT1_802_11n(HT20)_2462

2_Bandedge_NVNT_ANT2_802_11n(HT20)_2462

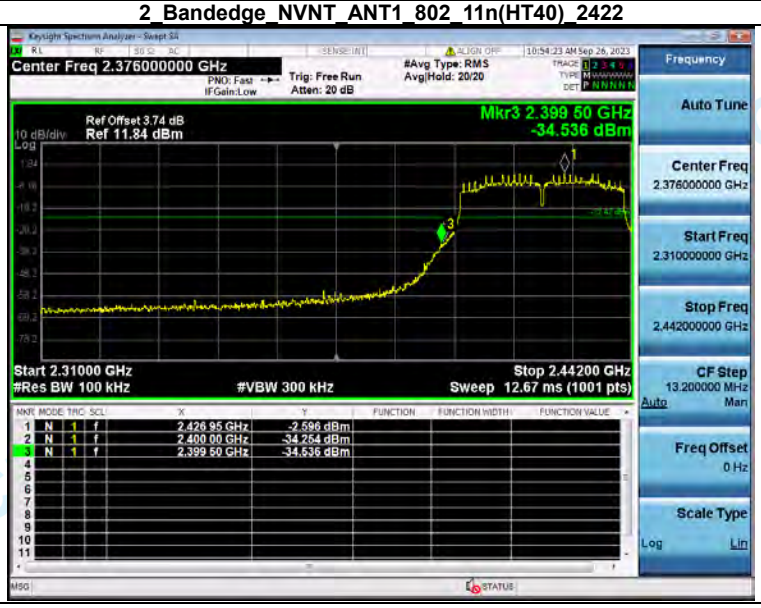


1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

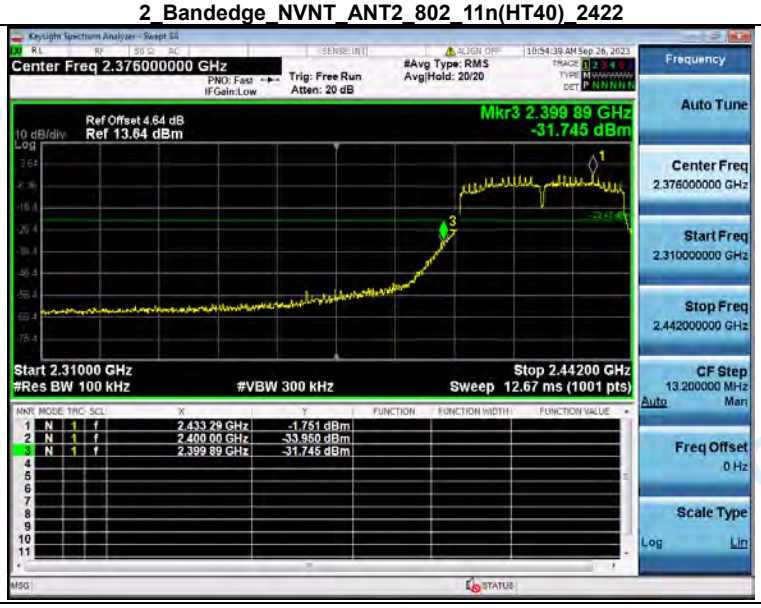


1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2422

2_Bandedge_NVNT_ANT1_802_11n(HT40)_2422



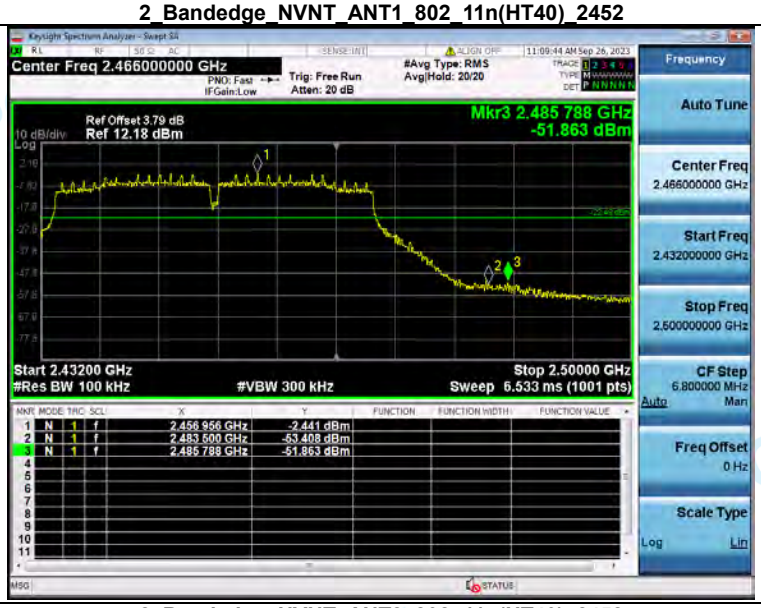
2_Bandedge_NVNT_ANT2_802_11n(HT40)_2422



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2452

2_Bandedge_NVNT_ANT1_802_11n(HT40)_2452



2_Bandedge_NVNT_ANT2_802_11n(HT40)_2452

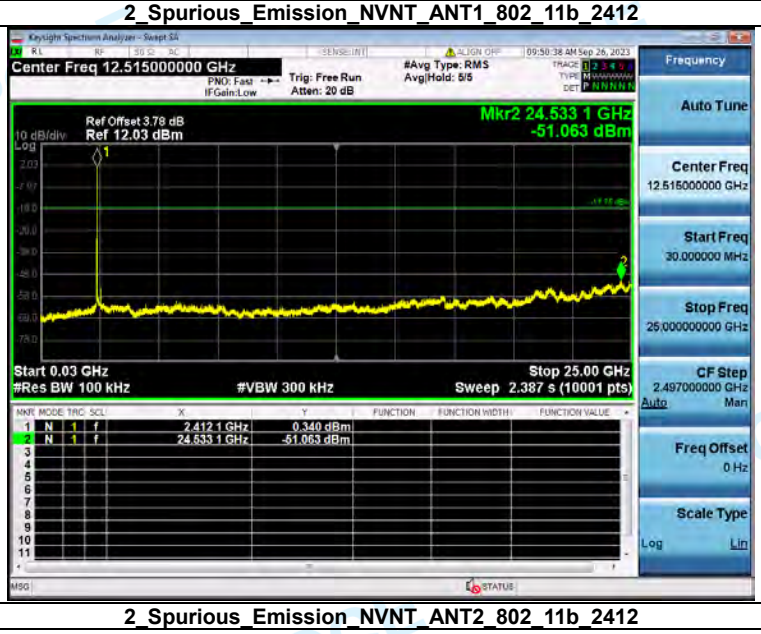

Keysight Spectrum Analyzer - Swept SA
Center Freq 2.466000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 20/20
11:10:00 AM Sep 26, 2023
Ref Offset 4.4 dB
10 dB/div Ref 13.40 dBm
Log
Mkr3 2.484 428 GHz
-52.089 dBm
Start 2.43200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.50000 GHz
Sweep 6.533 ms (1001 pts)
1 N 1 f 2.446 960 GHz -1.706 dBm
2 N 1 f 2.483 500 GHz -54.693 dBm
3 N 1 f 2.484 428 GHz -52.089 dBm
Frequency
Auto Tune
Center Freq
2.466000000 GHz
Start Freq
2.432000000 GHz
Stop Freq
2.500000000 GHz
CF Step
6.800000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin
MSG
STATUS

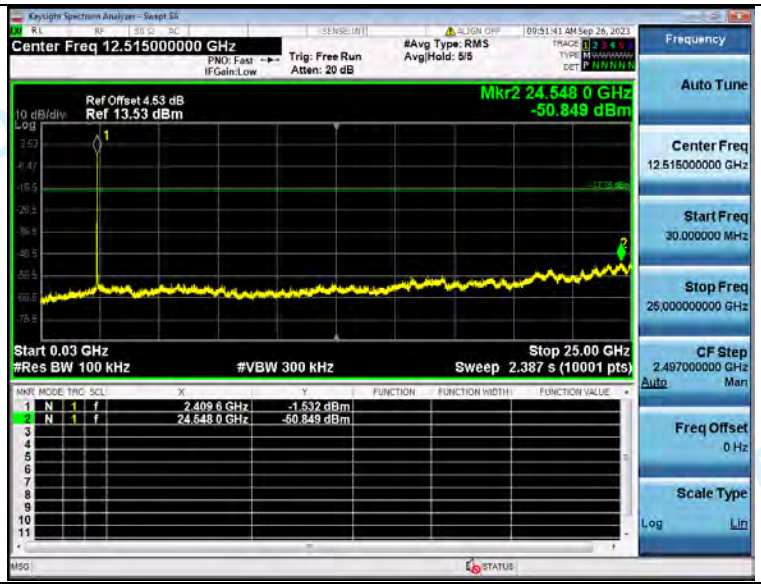
7. Spurious Emission

Condition	Antenna	Modulation	TX_Frequency (MHz)	Max. Mark_frequency (MHz)	Spurious level(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11b	2412.00	24533.061	-51.063	-17.750	Pass
NVNT	ANT2	802.11b	2412.00	24548.043	-50.849	-17.750	Pass
NVNT	ANT1	802.11b	2437.00	24607.971	-53.065	-17.651	Pass
NVNT	ANT2	802.11b	2437.00	24545.546	-52.781	-17.651	Pass
NVNT	ANT1	802.11b	2462.00	24533.061	-50.739	-17.890	Pass
NVNT	ANT2	802.11b	2462.00	24540.552	-50.474	-17.890	Pass
NVNT	ANT1	802.11g	2412.00	24548.043	-53.462	-19.222	Pass
NVNT	ANT2	802.11g	2412.00	24957.551	-51.528	-19.222	Pass
NVNT	ANT1	802.11g	2437.00	24520.576	-52.885	-19.293	Pass
NVNT	ANT2	802.11g	2437.00	24058.631	-52.129	-19.293	Pass
NVNT	ANT1	802.11g	2462.00	24905.114	-53.112	-18.899	Pass
NVNT	ANT2	802.11g	2462.00	24972.533	-52.538	-18.899	Pass
NVNT	ANT1	802.11n(HT20)	2412.00	24985.018	-47.572	-18.535	Pass
NVNT	ANT2	802.11n(HT20)	2412.00	24957.551	-46.462	-18.535	Pass
NVNT	ANT1	802.11n(HT20)	2437.00	24535.558	-53.146	-18.656	Pass
NVNT	ANT2	802.11n(HT20)	2437.00	24990.012	-51.695	-18.656	Pass
NVNT	ANT1	802.11n(HT20)	2462.00	24508.091	-45.970	-18.291	Pass
NVNT	ANT2	802.11n(HT20)	2462.00	24031.164	-46.177	-18.291	Pass
NVNT	ANT1	802.11n(HT40)	2422.00	24970.036	-51.210	-22.415	Pass
NVNT	ANT2	802.11n(HT40)	2422.00	24922.593	-49.902	-22.415	Pass
NVNT	ANT1	802.11n(HT40)	2437.00	24523.073	-50.828	-22.230	Pass
NVNT	ANT2	802.11n(HT40)	2437.00	24538.055	-51.000	-22.230	Pass
NVNT	ANT1	802.11n(HT40)	2452.00	24540.552	-50.984	-22.493	Pass
NVNT	ANT2	802.11n(HT40)	2452.00	24907.611	-49.777	-22.493	Pass

1_Reference_Level_NVNT_ANT1_802_11b_2412

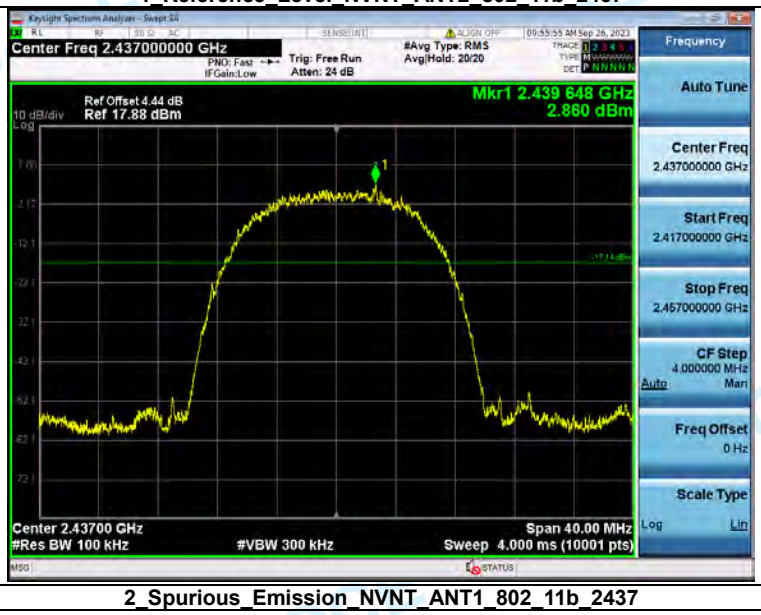
1_Reference_Level_NVNT_ANT2_802_11b_2412

2_Spurious_Emission_NVNT_ANT1_802_11b_2412

2_Spurious_Emission_NVNT_ANT2_802_11b_2412

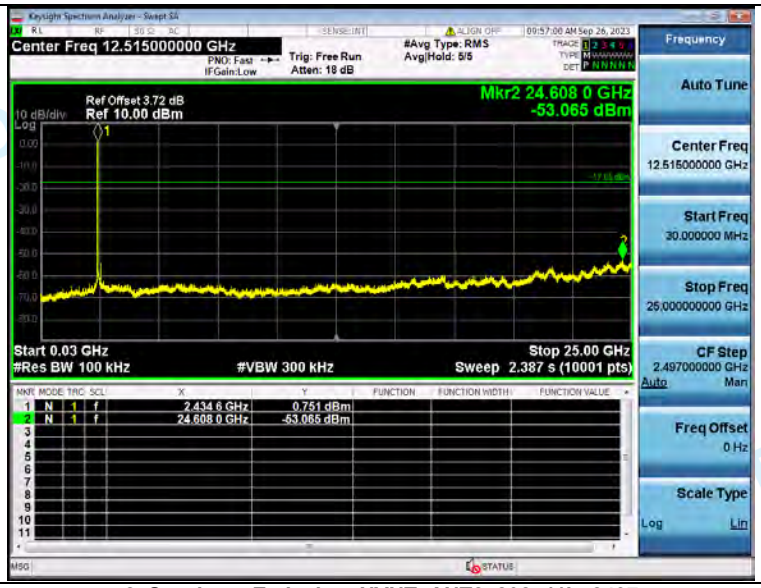


1_Reference_Level_NVNT_ANT1_802_11b_2437

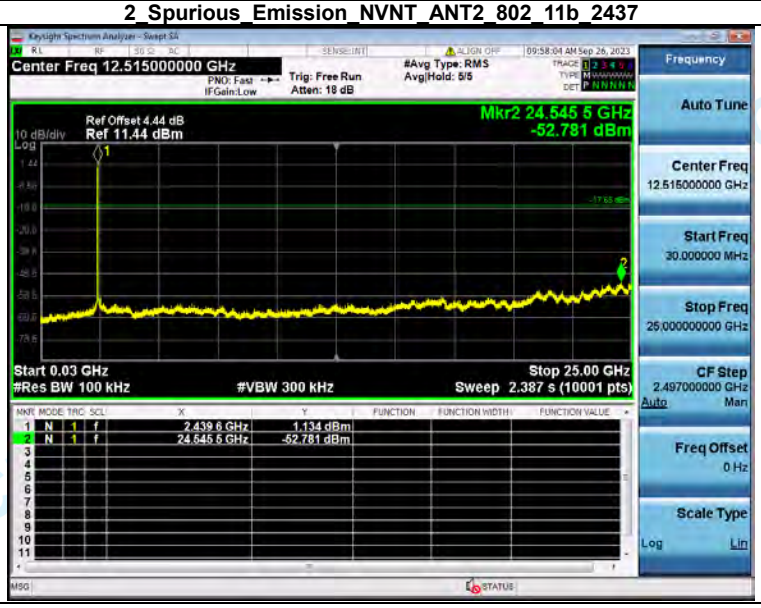
1_Reference_Level_NVNT_ANT2_802_11b_2437



2_Spurious_Emission_NVNT_ANT1_802_11b_2437



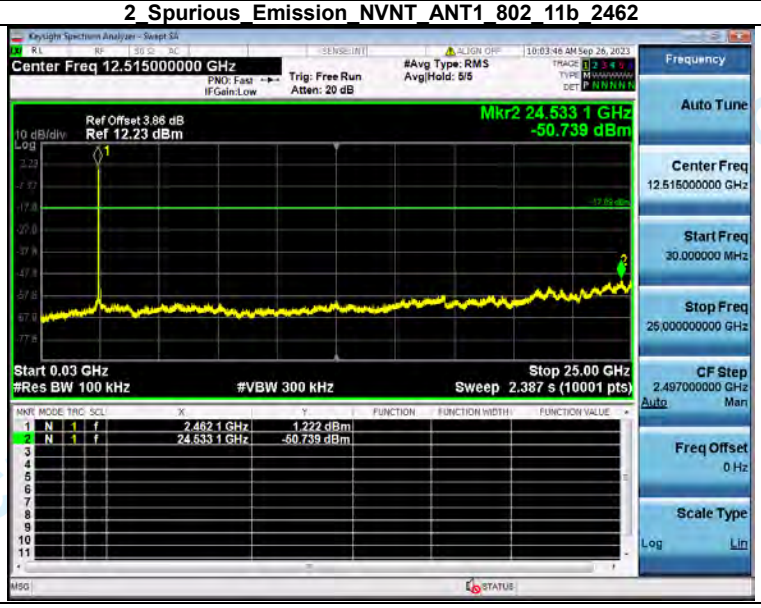
2_Spurious_Emission_NVNT_ANT2_802_11b_2437



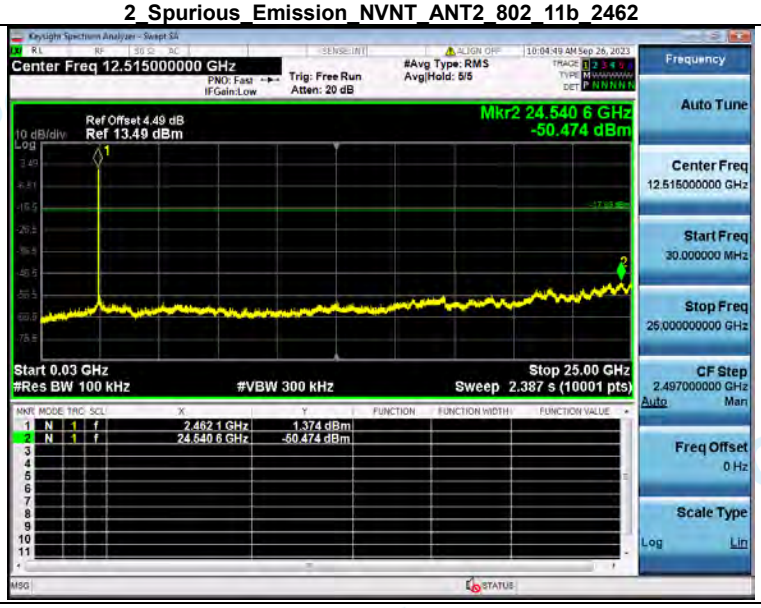
1_Reference_Level_NVNT_ANT1_802_11b_2462

1_Reference_Level_NVNT_ANT2_802_11b_2462

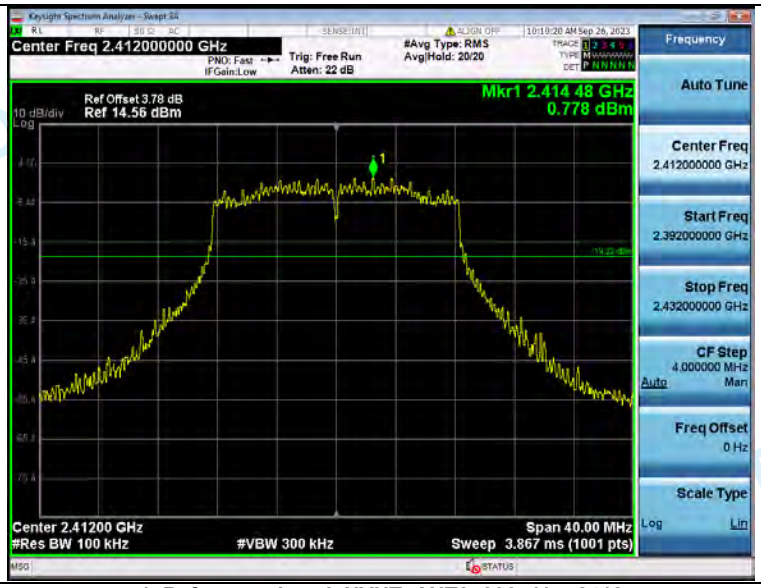
2_Spurious_Emission_NVNT_ANT1_802_11b_2462



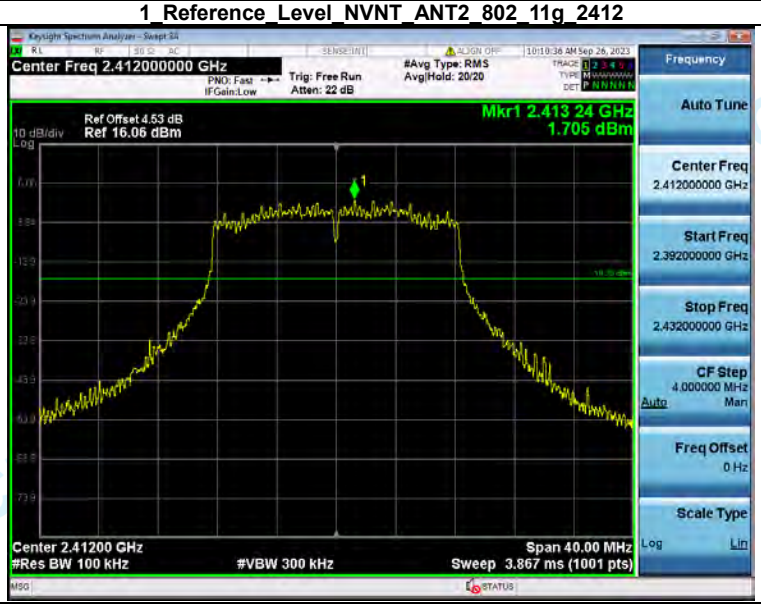
2_Spurious_Emission_NVNT_ANT2_802_11b_2462



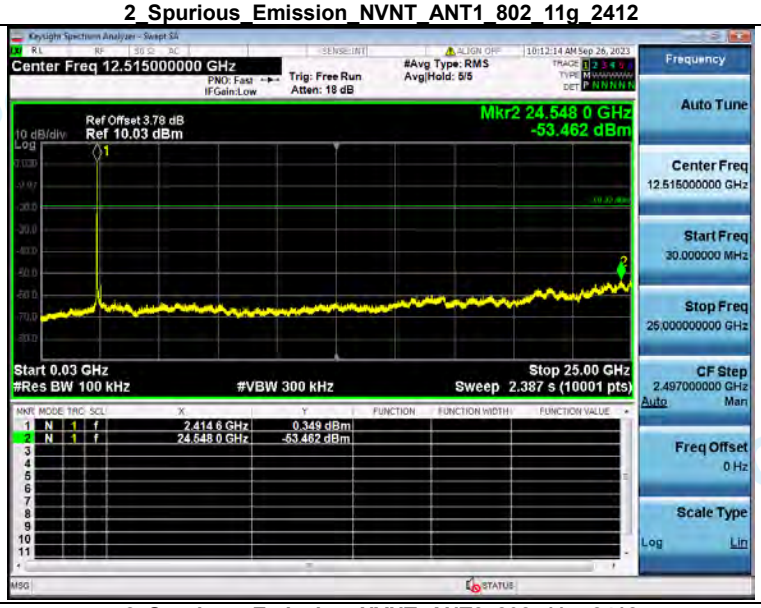
1_Reference_Level_NVNT_ANT1_802_11g_2412



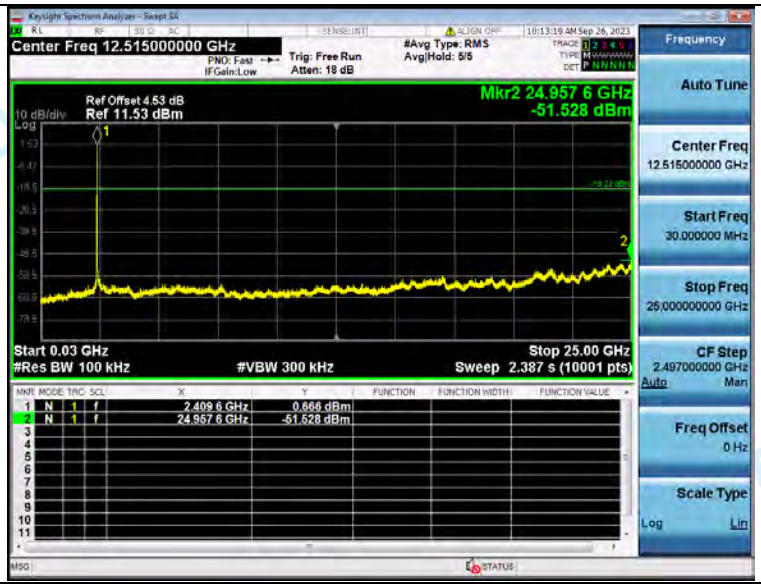
1_Reference_Level_NVNT_ANT2_802_11g_2412



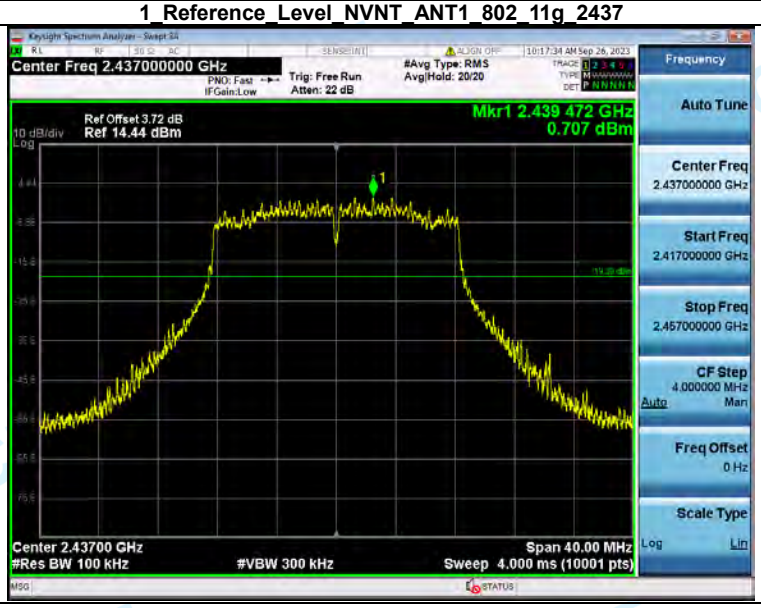
2_Spurious_Emission_NVNT_ANT1_802_11g_2412



2_Spurious_Emission_NVNT_ANT2_802_11g_2412



1_Reference_Level_NVNT_ANT1_802_11g_2437



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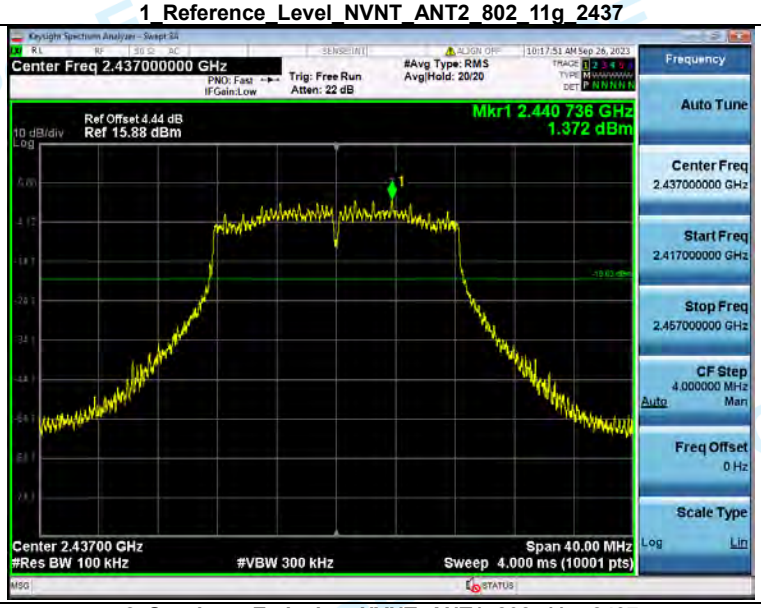

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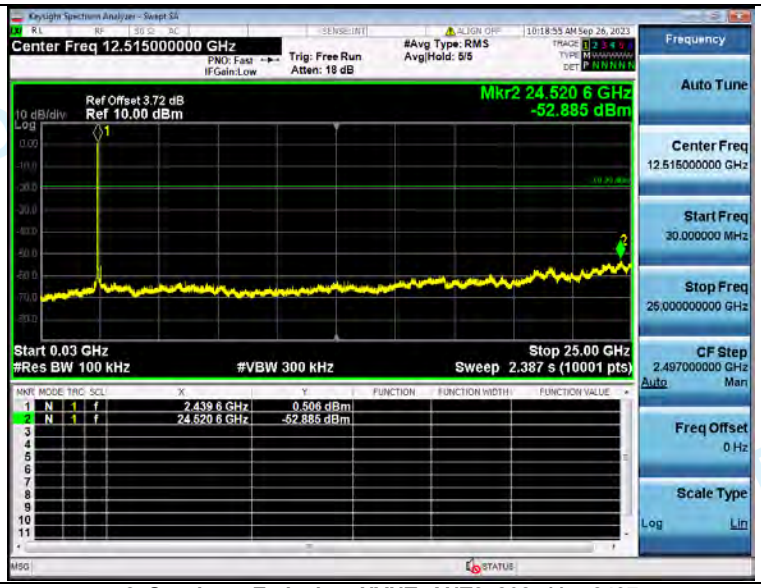

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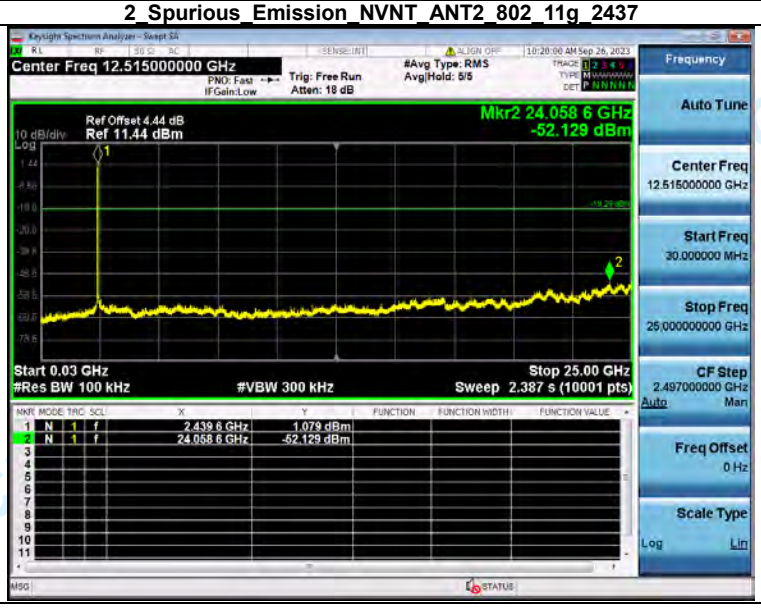
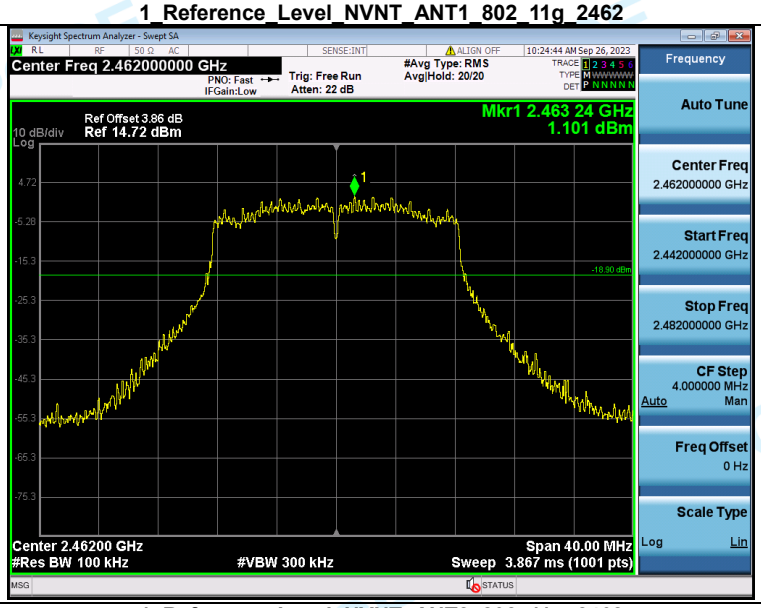


1_Reference_Level_NVNT_ANT1_802_11g_2462



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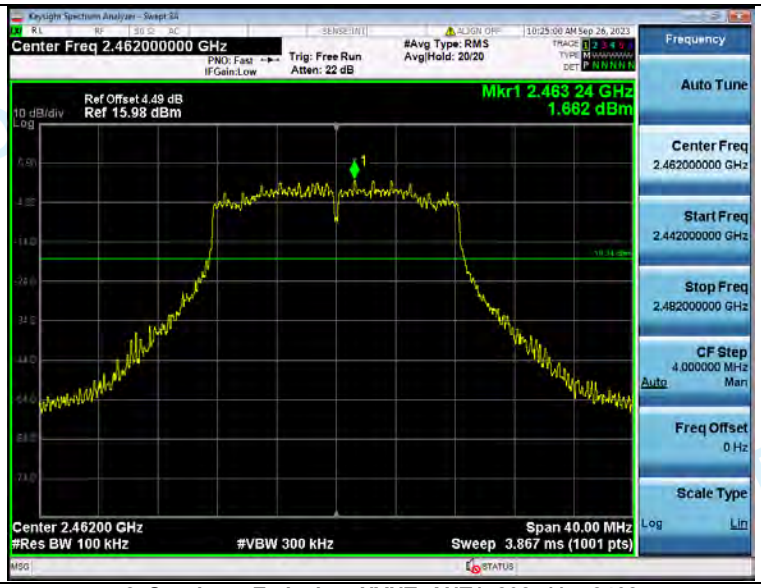
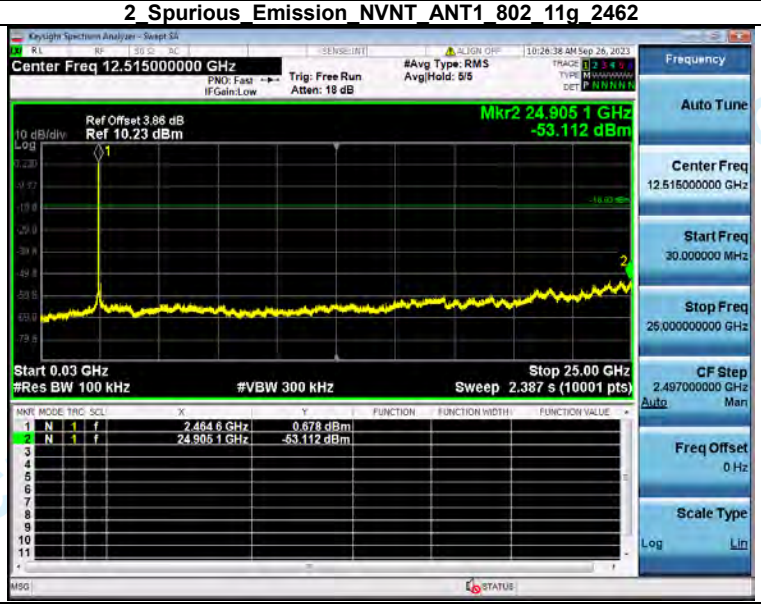


2_Spurious_Emission_NVNT_ANT1_802_11g_2462



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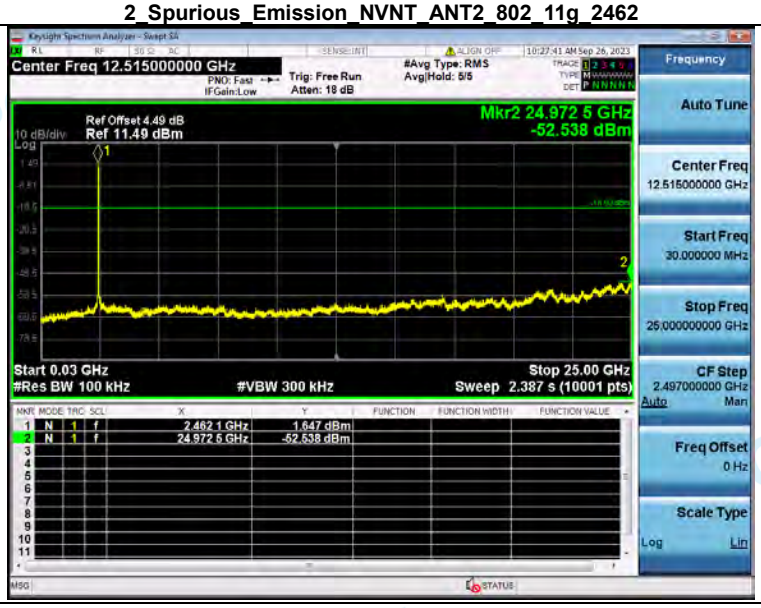
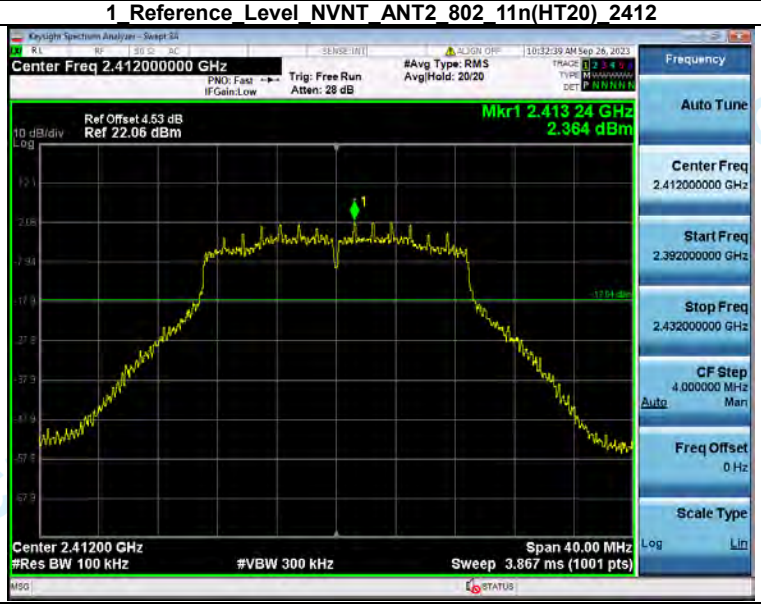
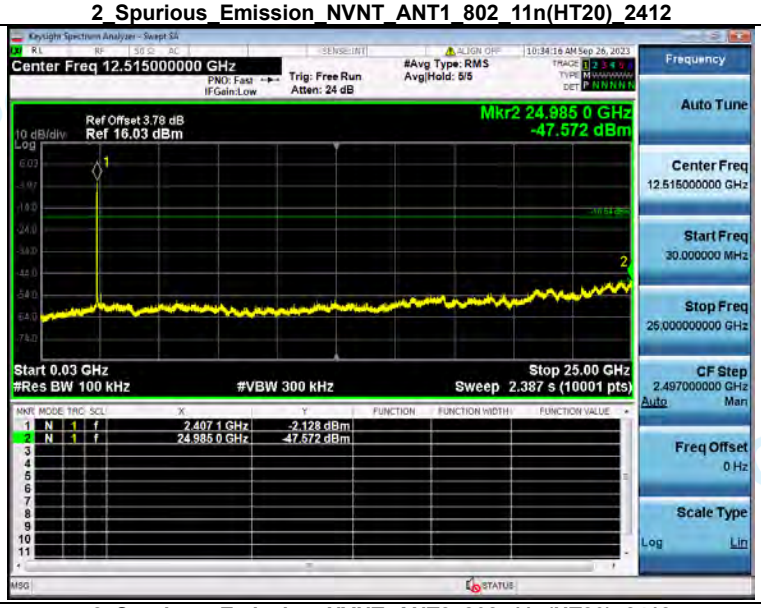


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2412

1_Reference_Level_NVNT_ANT2_802_11n(HT20)_2412



2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2412



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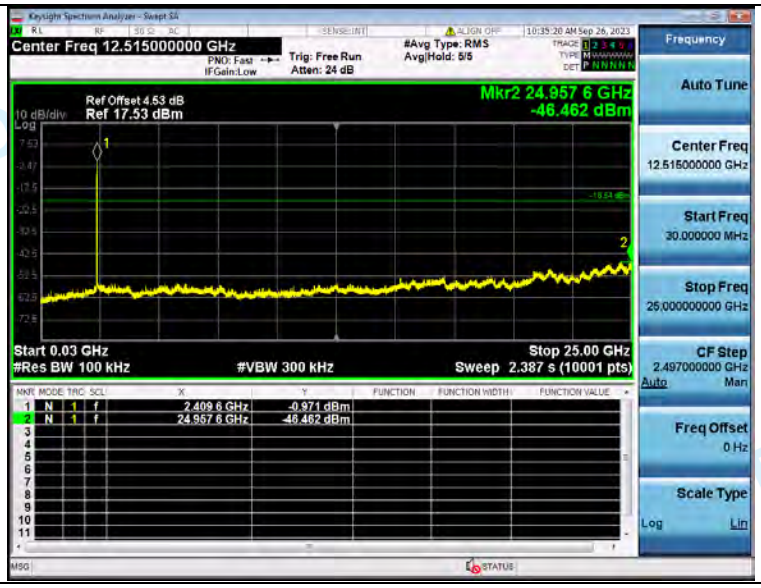
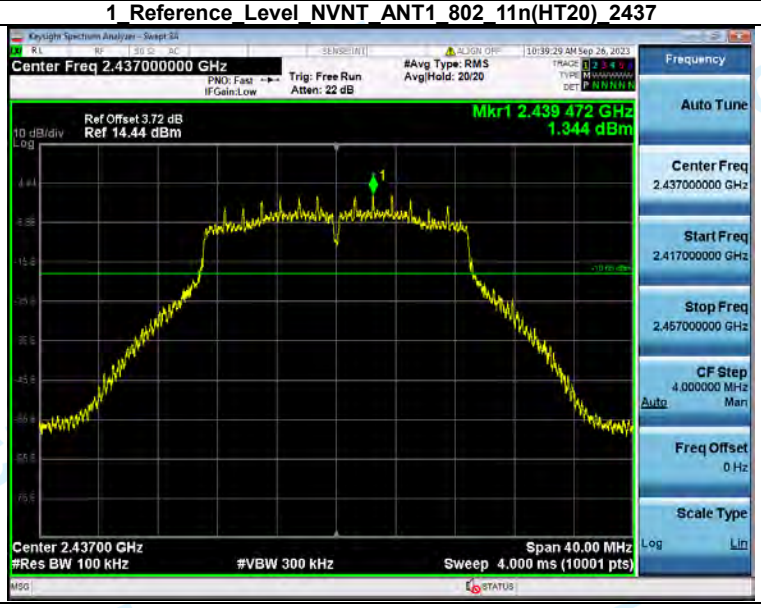


1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2437



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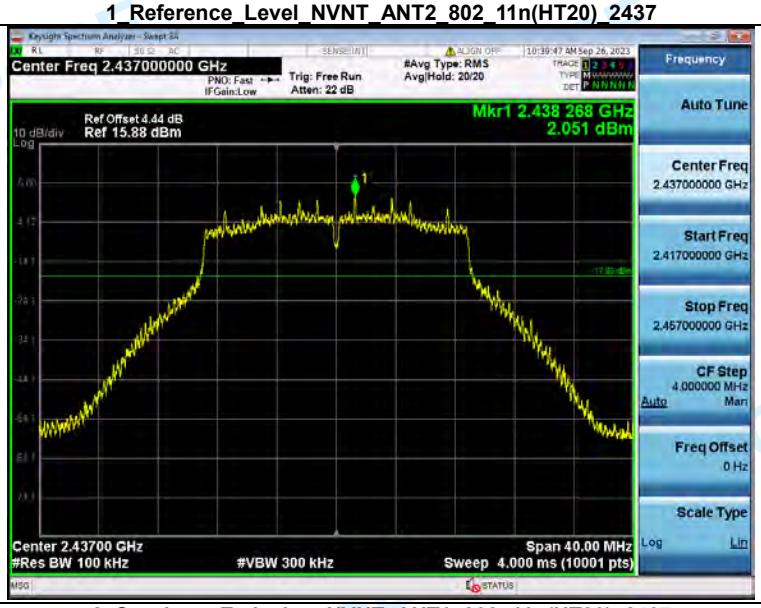
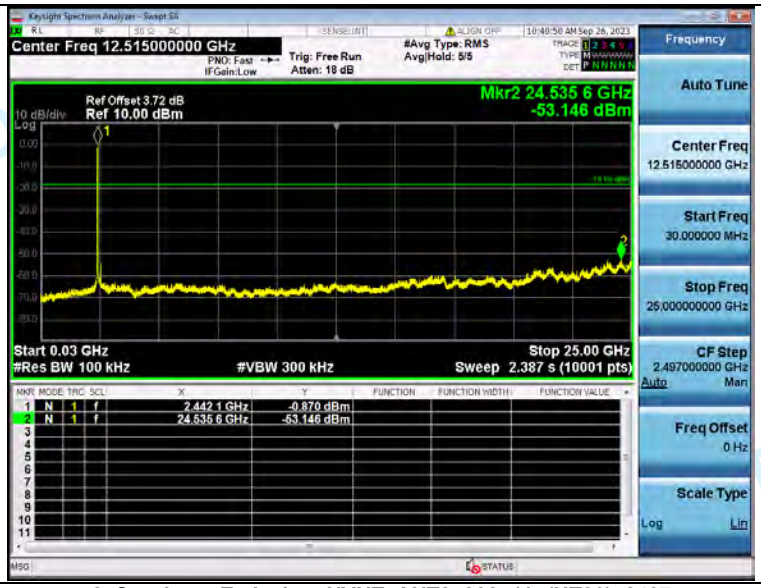
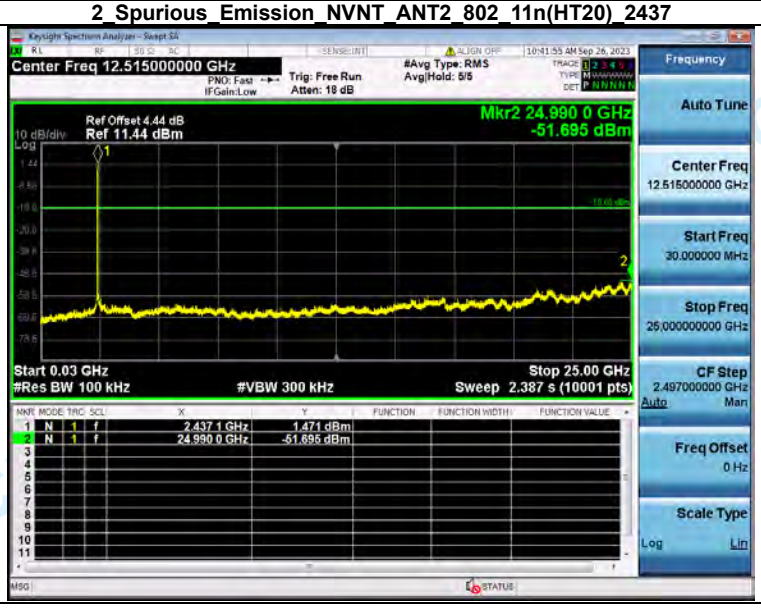


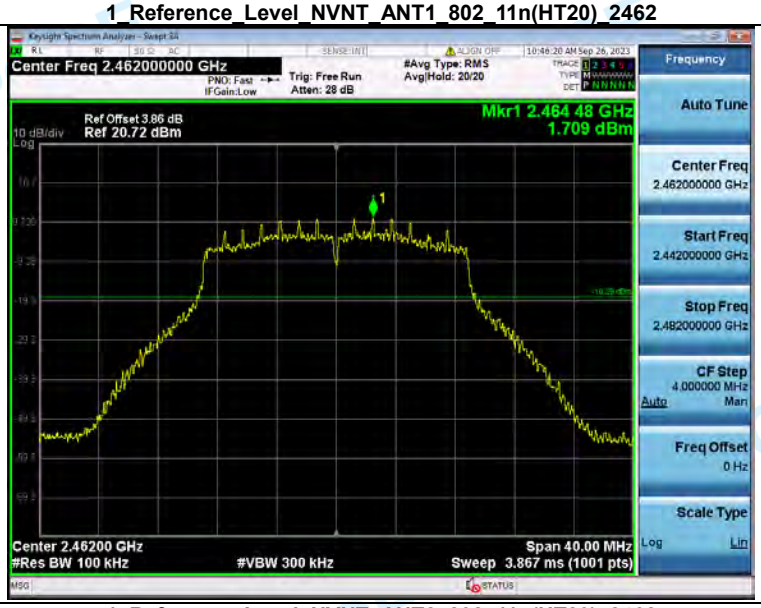
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2437



2_Spurious_Emission_NVNT_ANT2_802_11n(HT20)_2437



1_Reference_Level_NVNT_ANT1_802_11n(HT20)_2462



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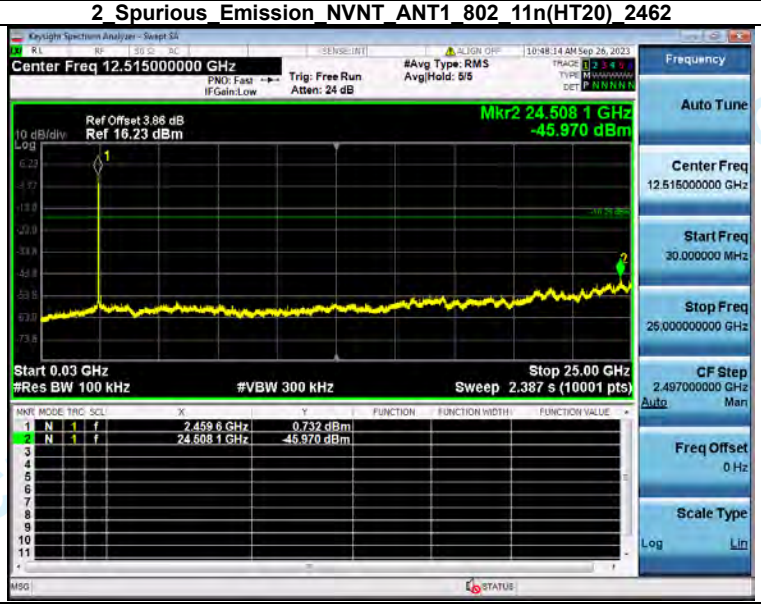
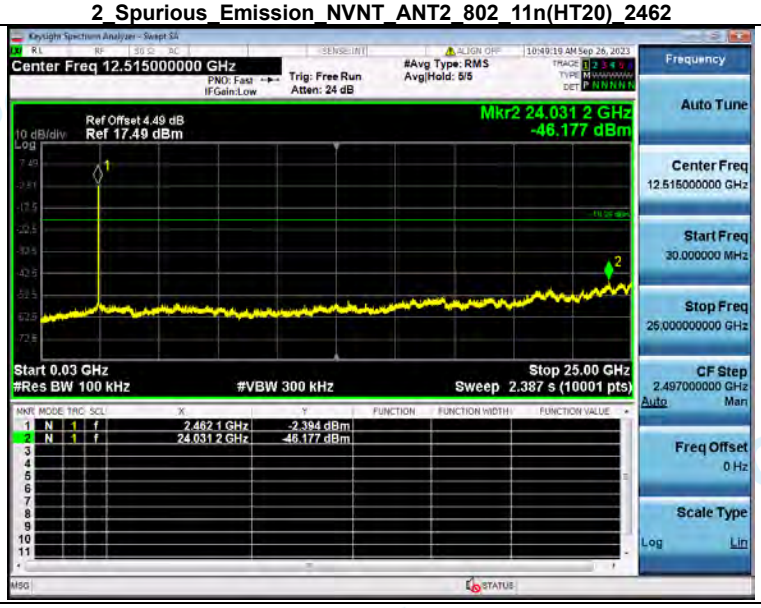
2_Spurious_Emission_NVNT_ANT1_802_11n(HT20)_2462



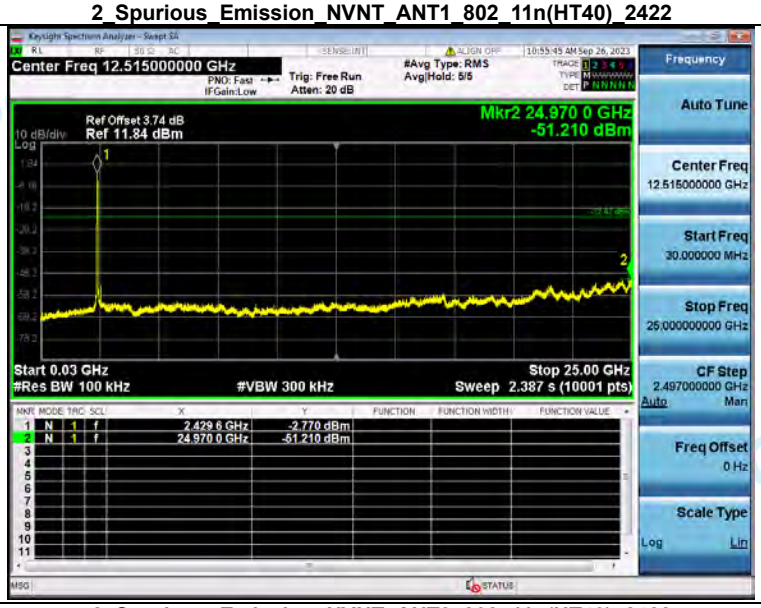
2_Spurious_Emission_NVNT_ANT2_802_11n(HT20)_2462



1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2422

1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2422

2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2422



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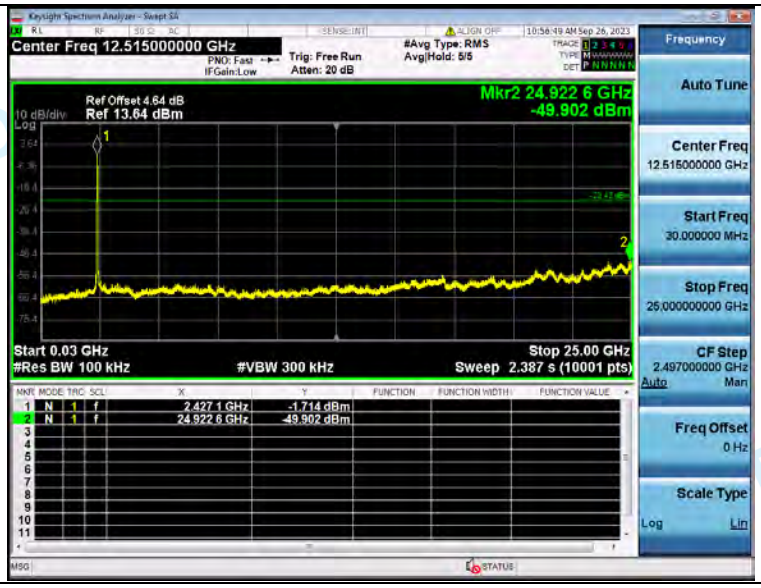

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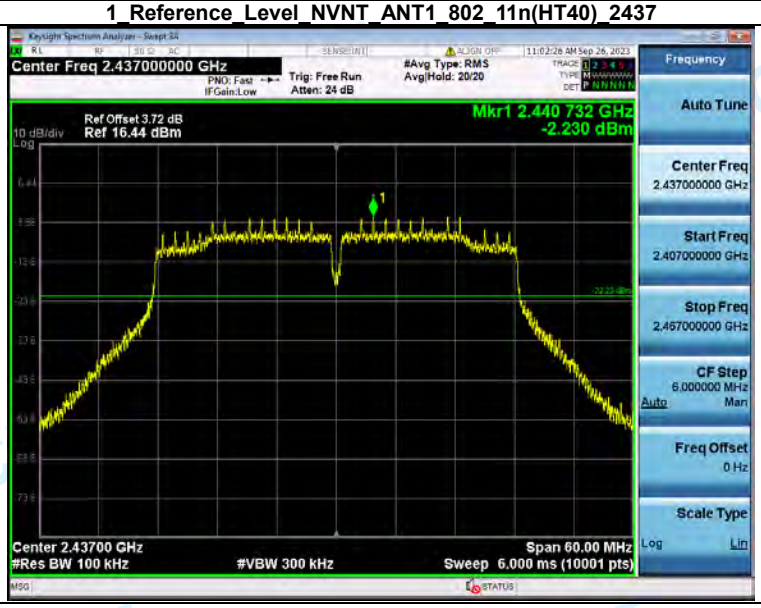

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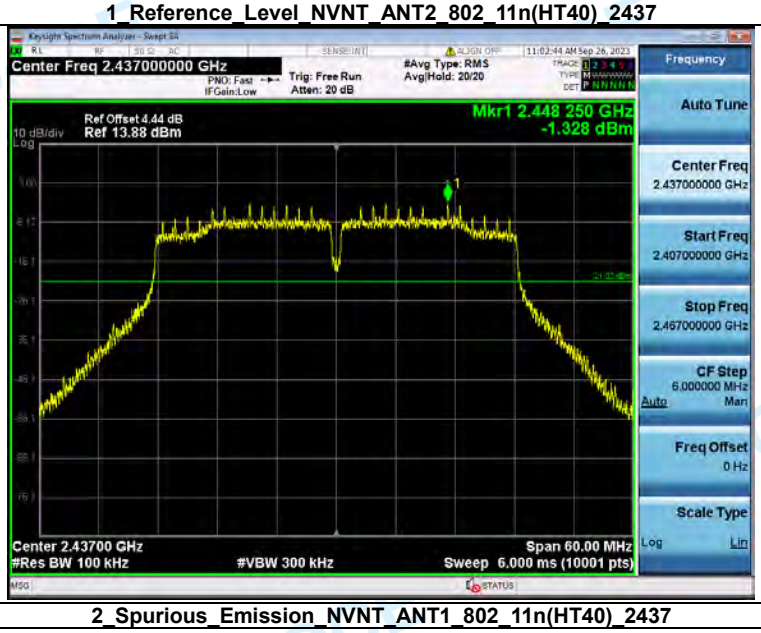
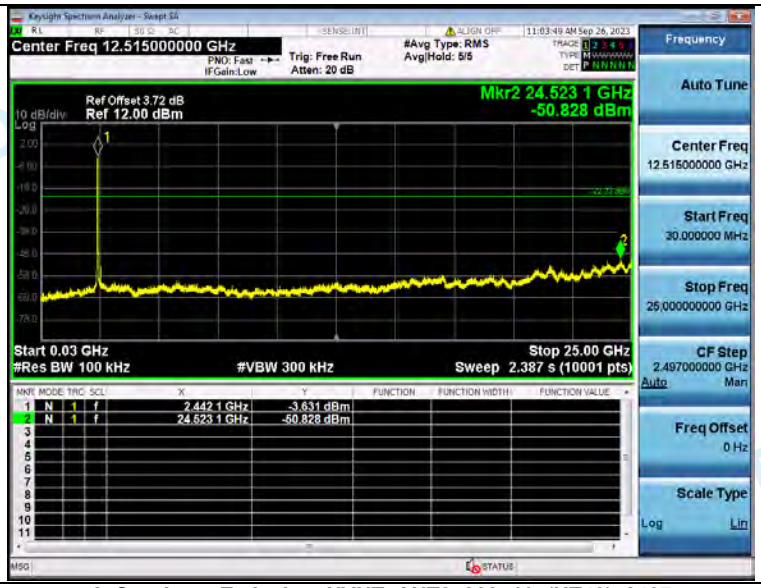
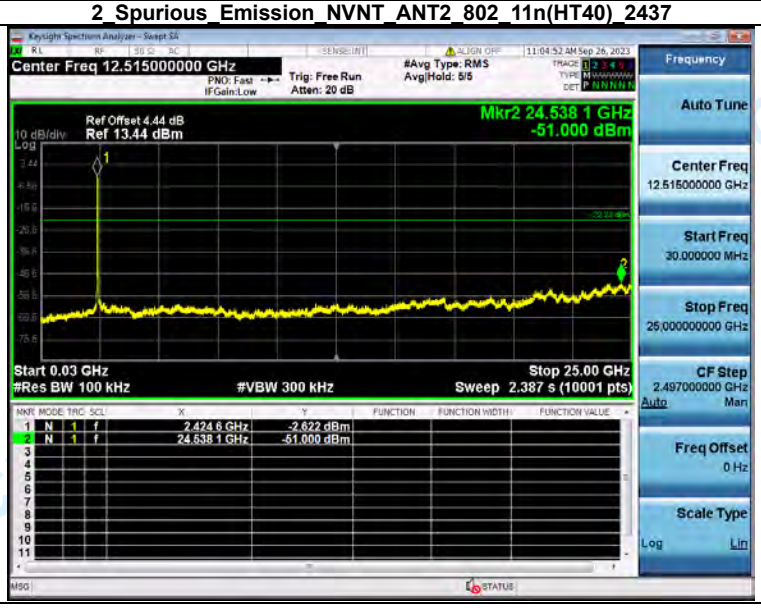


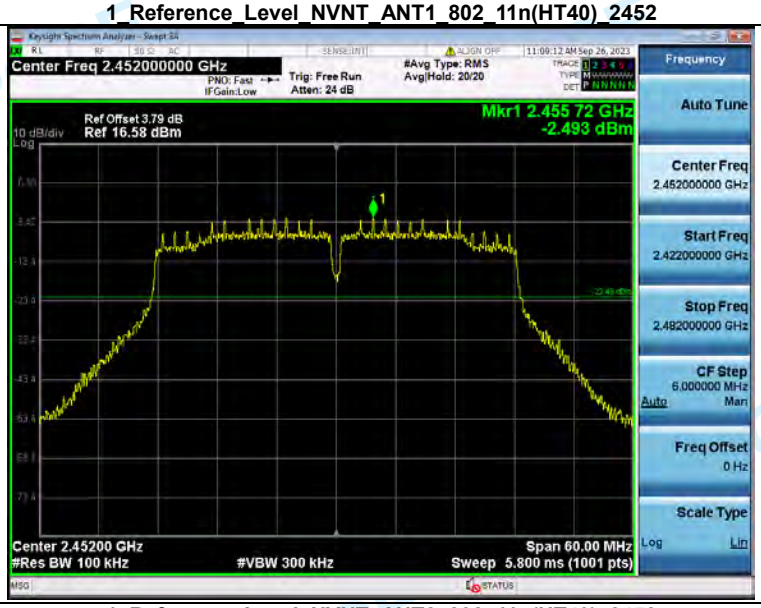
2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2437



2_Spurious_Emission_NVNT_ANT2_802_11n(HT40)_2437

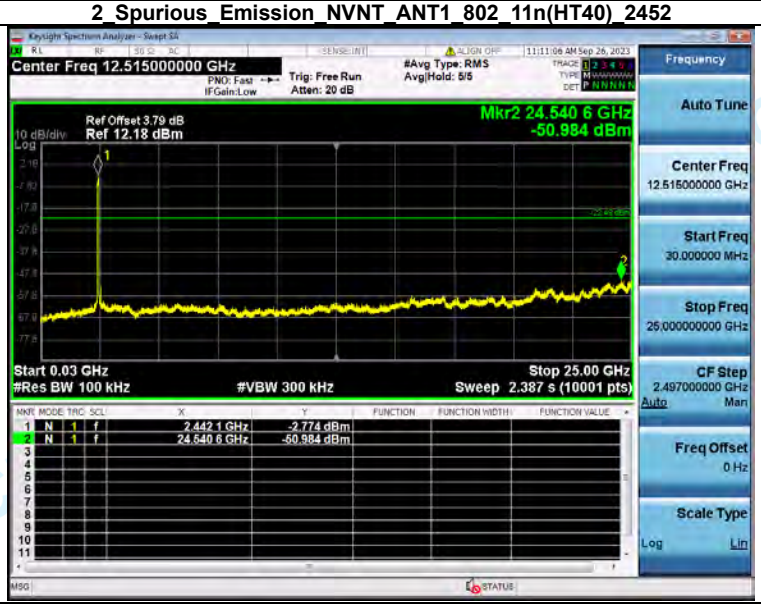


1_Reference_Level_NVNT_ANT1_802_11n(HT40)_2452

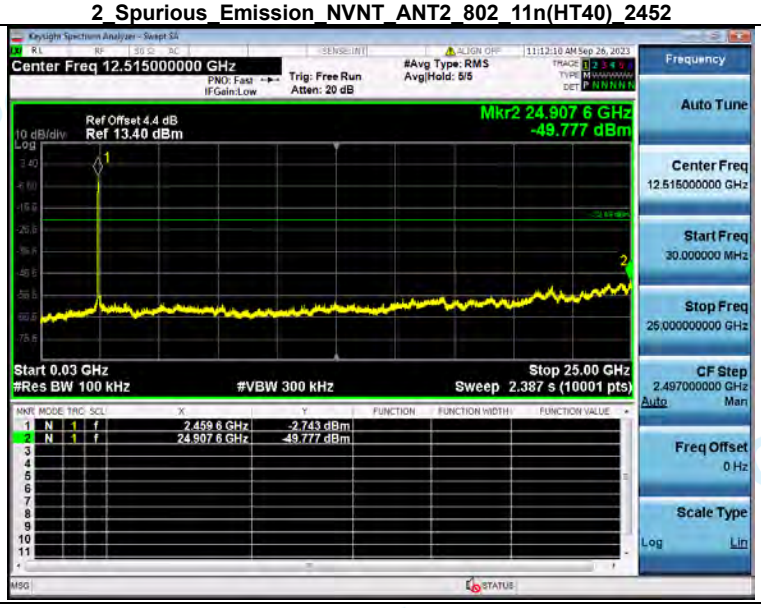


1_Reference_Level_NVNT_ANT2_802_11n(HT40)_2452

2_Spurious_Emission_NVNT_ANT1_802_11n(HT40)_2452



2_Spurious_Emission_NVNT_ANT2_802_11n(HT40)_2452



********** End of Report **********