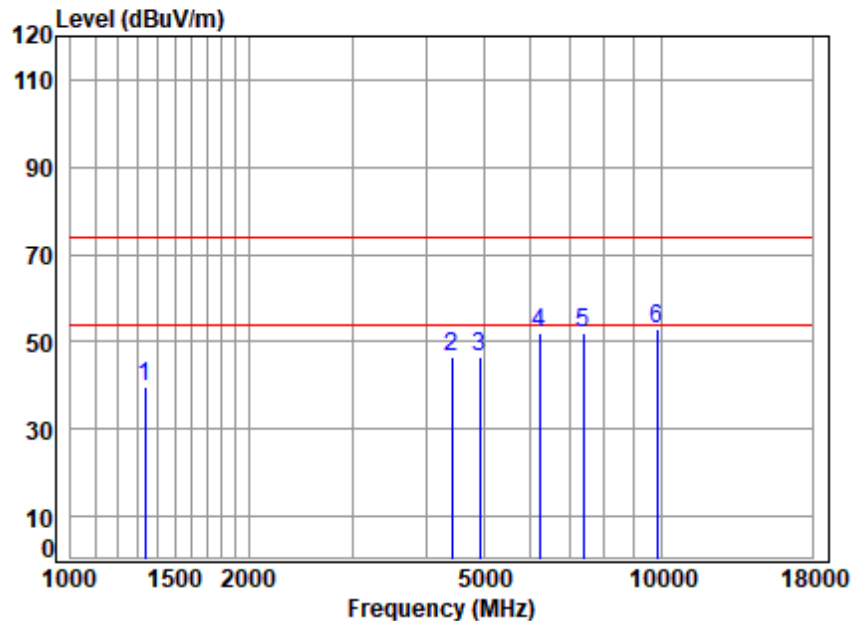


Test Mode: 00; Polarity: Horizontal; Modulation: 802.11g; Bandwidth: 20MHz; Channel: High

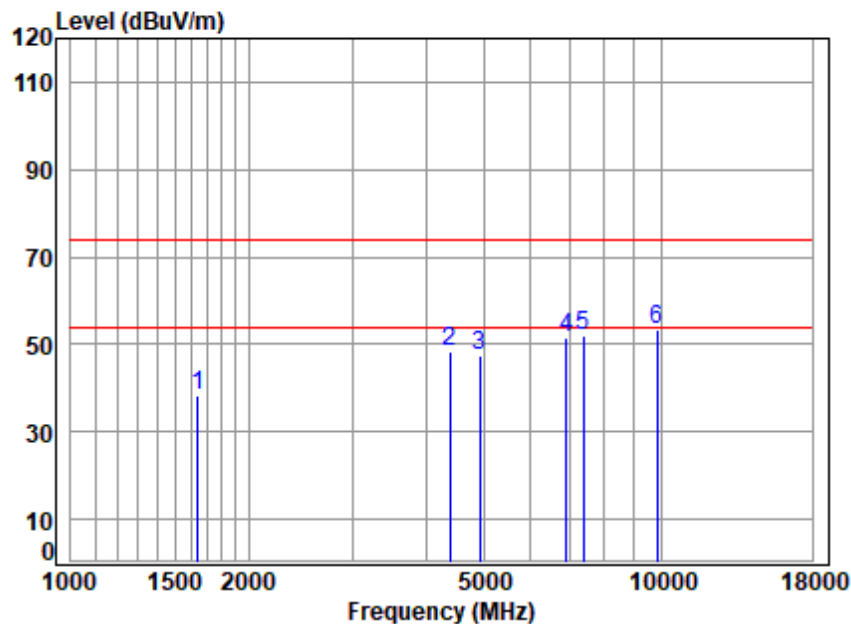


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2462 TX SE  
Note : 2.4G WIFI 11G

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1335.141	3.00	25.17	39.85	51.41	39.73	74.00	-34.27 peak
2 4417.841	6.68	33.46	41.80	48.30	46.64	74.00	-27.36 peak
3 4924.000	7.22	34.11	42.24	47.58	46.67	74.00	-27.33 peak
4 6213.441	8.27	35.32	42.24	50.67	52.02	74.00	-21.98 peak
5 7386.000	8.91	36.21	41.34	48.43	52.21	74.00	-21.79 peak
6 9848.000	10.73	37.81	37.35	41.80	52.99	74.00	-21.01 peak



Test Mode: 00; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High

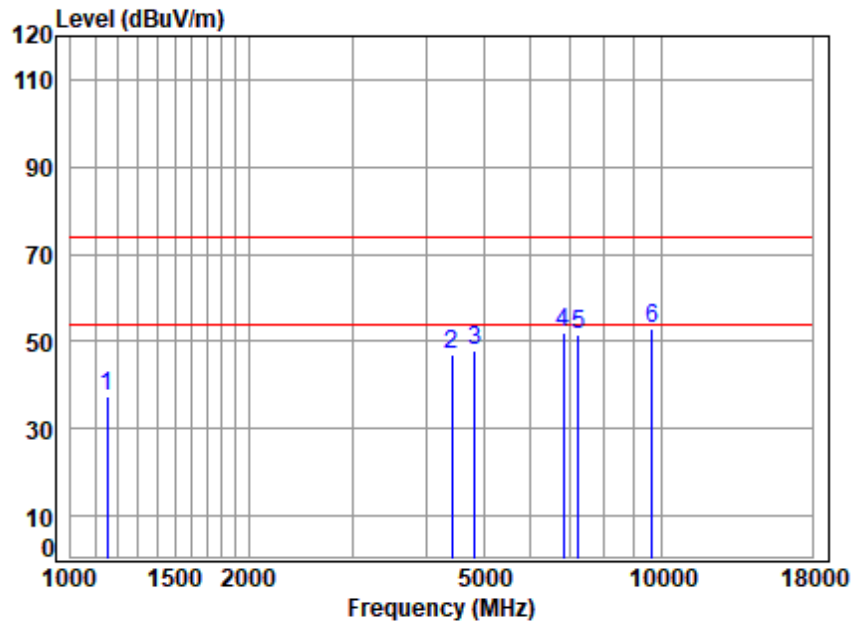


Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2462 TX SE  
Note : 2.4G WIFI 11G

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1639.274	3.38	26.42	40.03	48.52	38.29	74.00 -35.71 peak
2	4392.376	6.66	33.42	41.78	49.98	48.28	74.00 -25.72 peak
3	4924.000	7.22	34.11	42.24	48.37	47.46	74.00 -26.54 peak
4	6914.763	8.50	35.85	41.76	48.94	51.53	74.00 -22.47 peak
5	7386.000	8.91	36.21	41.34	48.17	51.95	74.00 -22.05 peak
6	9848.000	10.73	37.81	37.35	42.37	53.56	74.00 -20.44 peak



Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

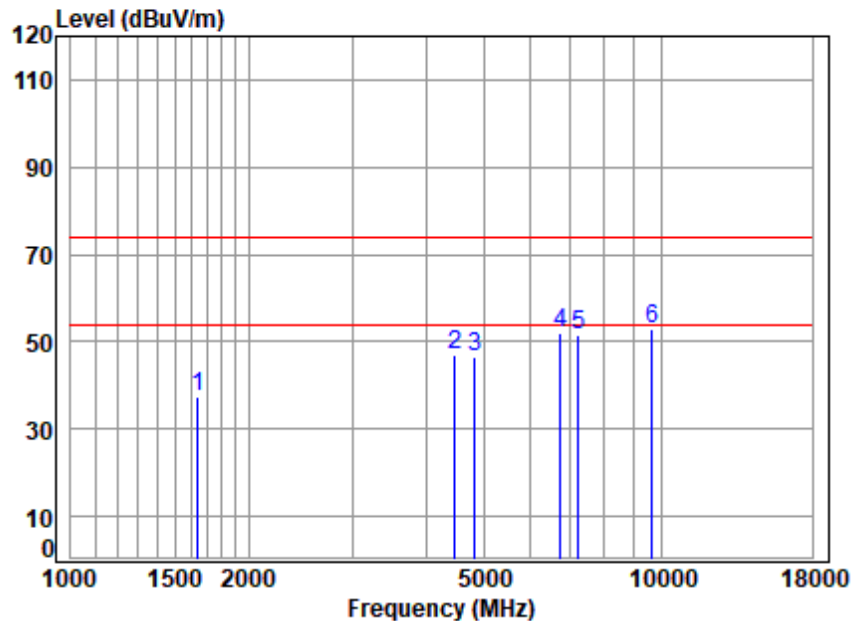


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2412 TX SE  
Note : 2.4G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1152.148	2.67	24.37	39.72	50.25	37.57	74.00 -36.43 peak
2	4417.841	6.68	33.46	41.80	48.48	46.82	74.00 -27.18 peak
3	4824.000	7.12	34.00	42.16	48.86	47.82	74.00 -26.18 peak
4	6835.278	8.46	35.80	41.81	49.37	51.82	74.00 -22.18 peak
5	7236.000	8.77	36.09	41.48	48.37	51.75	74.00 -22.25 peak
6	9648.000	10.79	37.69	37.69	42.18	52.97	74.00 -21.03 peak



Test Mode: 00; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 20MHz; Channel: Low



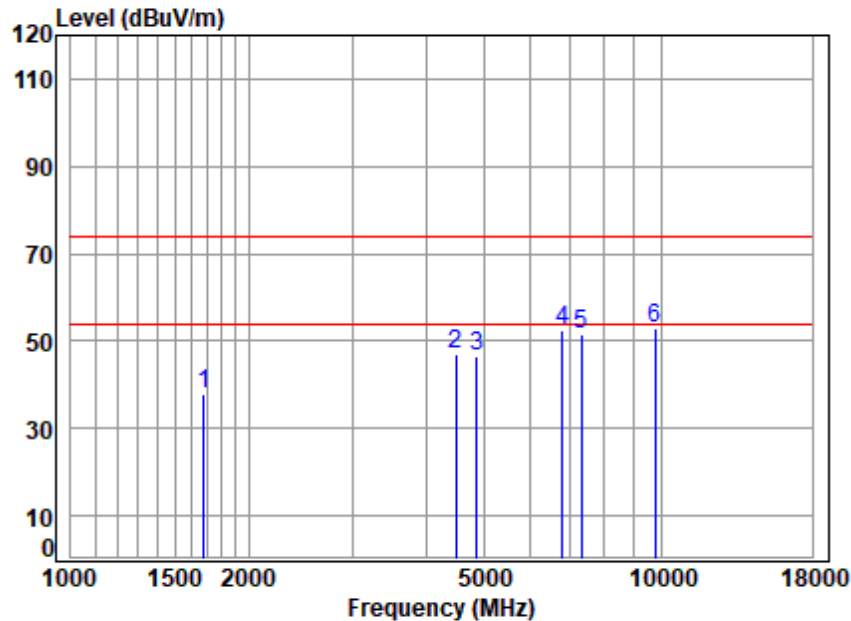
Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2412 TX SE  
Note : 2.4G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3.38	26.44	40.03	47.67	37.46	74.00	-36.54
2	6.73	33.55	41.85	48.73	47.16	74.00	-26.84
3	7.12	34.00	42.16	47.79	46.75	74.00	-27.25
4	8.41	35.75	41.87	49.59	51.88	74.00	-22.12
5	8.77	36.09	41.48	48.13	51.51	74.00	-22.49
6	10.79	37.69	37.69	42.31	53.10	74.00	-20.90





Test Mode: 00; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 20MHz; Channel: middle

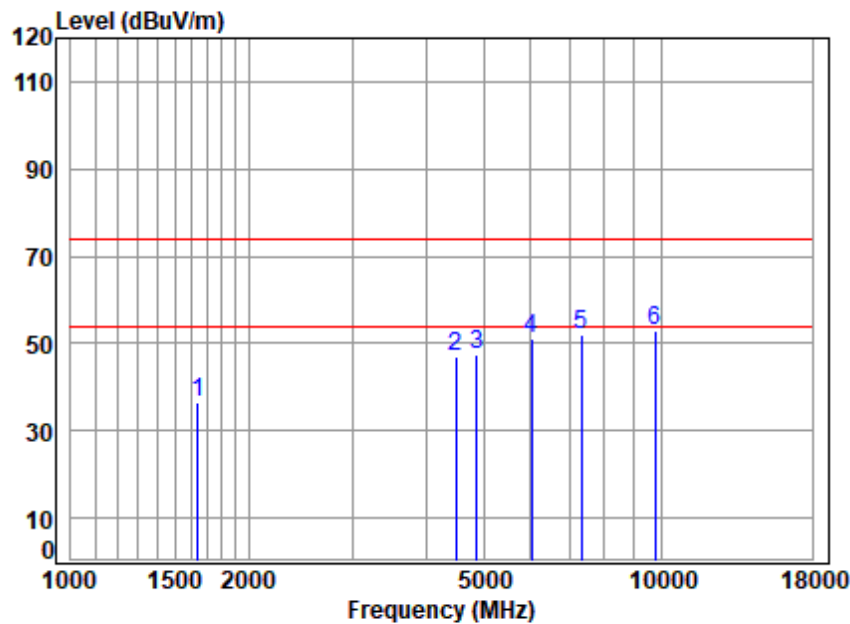


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2437 TX SE  
Note : 2.4G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1677.621	3.41	26.58	40.05	47.76	37.70	74.00 -36.30 peak
2	4495.125	6.76	33.59	41.87	48.46	46.94	74.00 -27.06 peak
3	4874.000	7.17	34.05	42.20	47.53	46.55	74.00 -27.45 peak
4	6795.879	8.44	35.78	41.83	49.99	52.38	74.00 -21.62 peak
5	7311.000	8.84	36.15	41.41	48.13	51.71	74.00 -22.29 peak
6	9748.000	10.76	37.75	37.52	42.09	53.08	74.00 -20.92 peak



Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

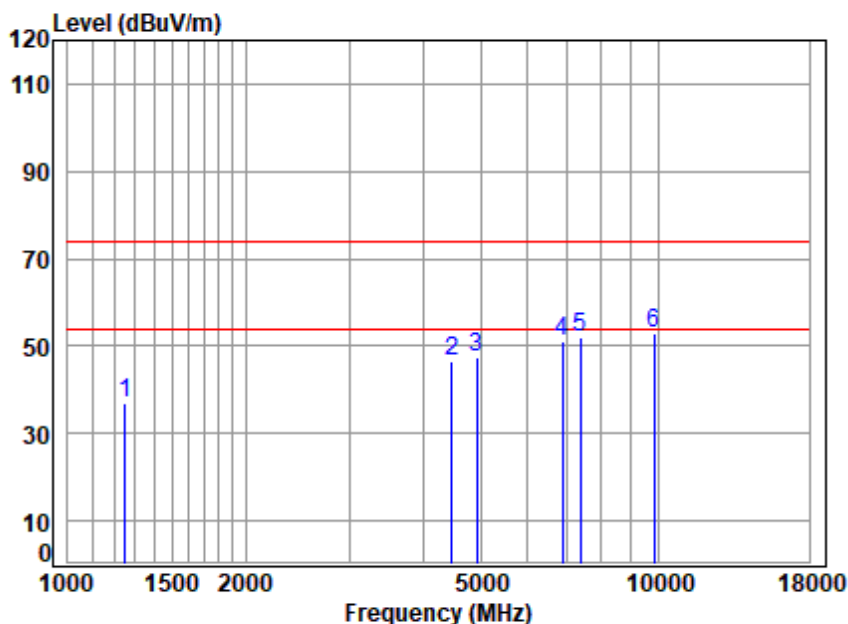


Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2437 TX SE  
Note : 2.4G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1644.019	3.38	26.44	40.03	46.90	36.69	74.00	-37.31 peak
2	4482.150	6.74	33.57	41.86	48.33	46.78	74.00	-27.22 peak
3	4874.000	7.17	34.05	42.20	48.26	47.28	74.00	-26.72 peak
4	6036.421	8.26	35.14	42.37	50.18	51.21	74.00	-22.79 peak
5	7311.000	8.84	36.15	41.41	48.39	51.97	74.00	-22.03 peak
6	9748.000	10.76	37.75	37.52	41.86	52.85	74.00	-21.15 peak



Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

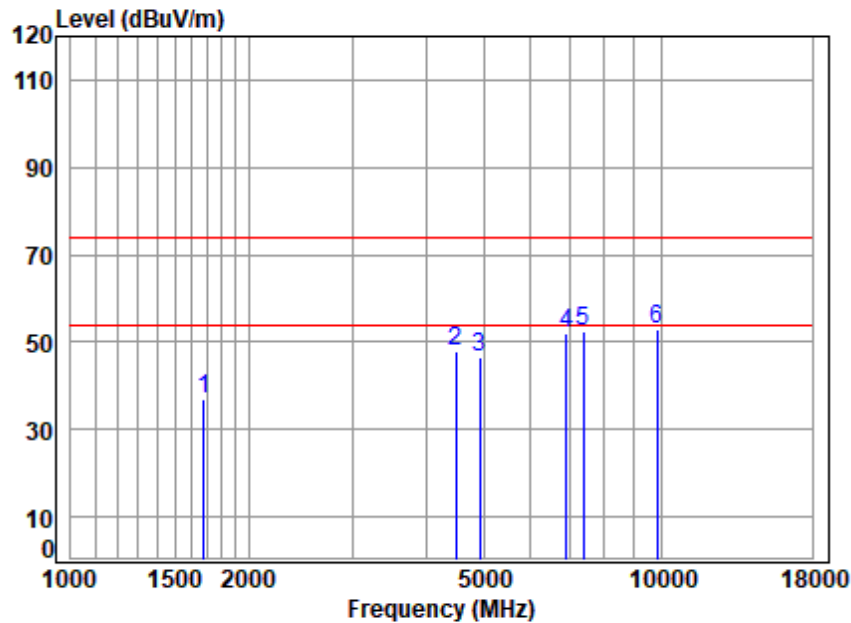


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2462 TX SE  
Note : 2.4G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	2.85	24.81	39.79	49.02	36.89	74.00 -37.11 peak
2	4469.214	6.73	33.55	41.85	48.26	46.69	74.00 -27.31 peak
3	4924.000	7.22	34.11	42.24	48.58	47.67	74.00 -26.33 peak
4	6874.906	8.48	35.83	41.78	48.63	51.16	74.00 -22.84 peak
5	7386.000	8.91	36.21	41.34	48.13	51.91	74.00 -22.09 peak
6	9848.000	10.73	37.81	37.35	41.57	52.76	74.00 -21.24 peak



Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



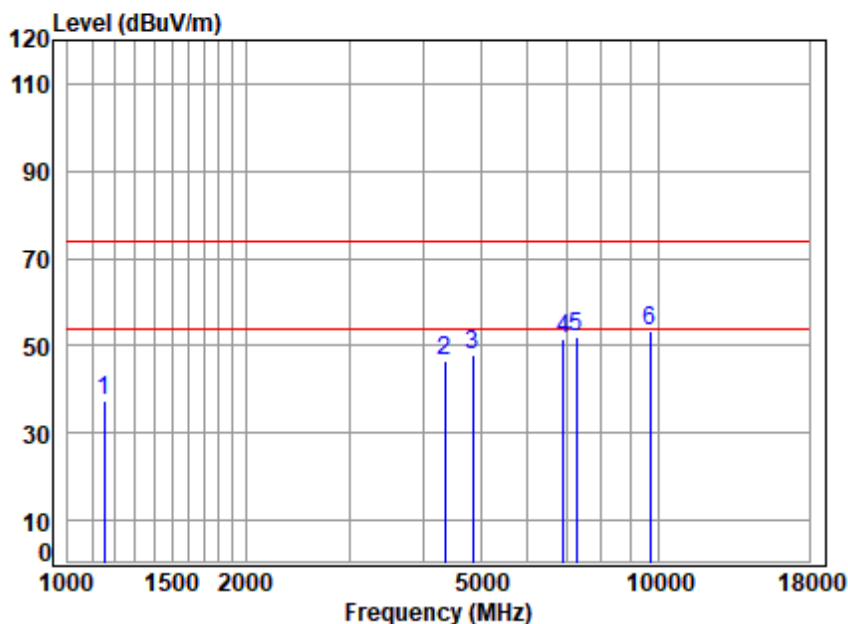
Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2462 TX SE  
Note : 2.4G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3.41	26.58	40.05	46.92	36.86	74.00	-37.14 peak
2	6.76	33.59	41.87	49.47	47.95	74.00	-26.05 peak
3	7.22	34.11	42.24	47.38	46.47	74.00	-27.53 peak
4	8.50	35.85	41.76	49.62	52.21	74.00	-21.79 peak
5	8.91	36.21	41.34	48.62	52.40	74.00	-21.60 peak
6	10.73	37.81	37.35	41.96	53.15	74.00	-20.85 peak





Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

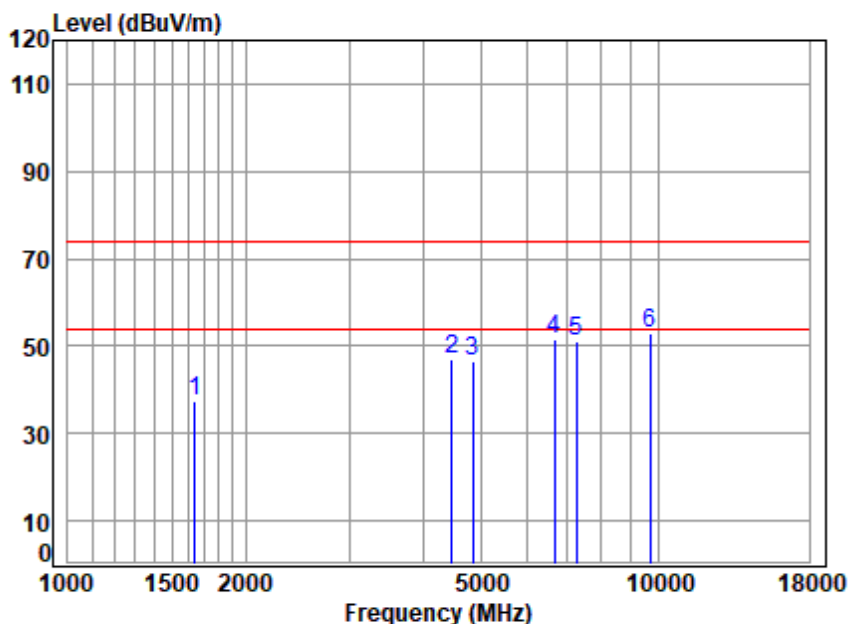


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2422 TX SE  
Note : 2.4G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1152.148	2.67	24.37	39.72	50.00	37.32	74.00	-36.68 peak
2	4354.454	6.63	33.35	41.74	48.29	46.53	74.00	-27.47 peak
3	4844.000	7.14	34.02	42.17	48.83	47.82	74.00	-26.18 peak
4	6894.806	8.49	35.84	41.77	48.78	51.34	74.00	-22.66 peak
5	7266.000	8.79	36.12	41.45	48.61	52.07	74.00	-21.93 peak
6	9688.000	10.78	37.71	37.63	42.68	53.54	74.00	-20.46 peak



Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

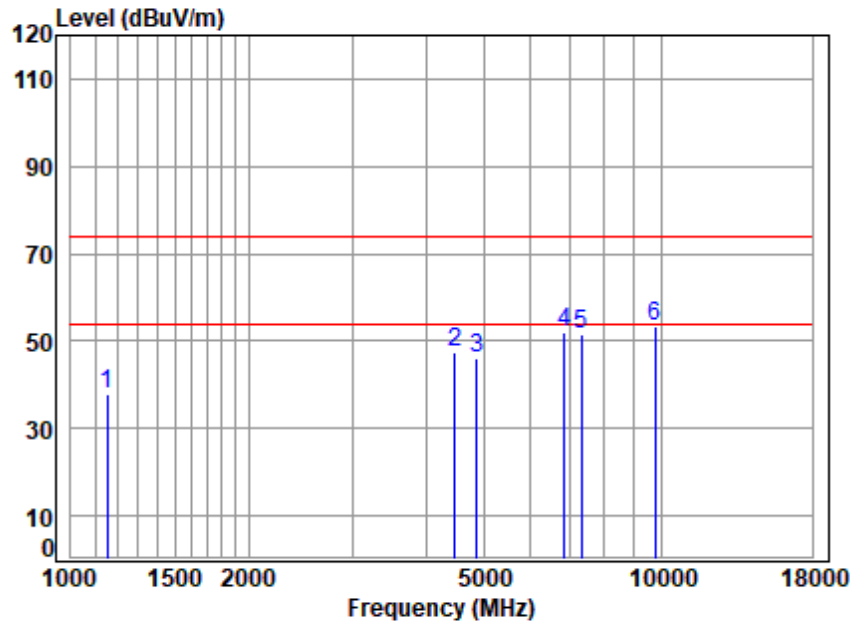


Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2422 TX SE  
Note : 2.4G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3.38	26.44	40.03	47.42	37.21	74.00	-36.79 peak
2	6.73	33.55	41.85	48.55	46.98	74.00	-27.02 peak
3	7.14	34.02	42.17	47.60	46.59	74.00	-27.41 peak
4	8.37	35.70	41.93	49.20	51.34	74.00	-22.66 peak
5	8.79	36.12	41.45	47.86	51.32	74.00	-22.68 peak
6	10.78	37.71	37.63	42.26	53.12	74.00	-20.88 peak



Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle

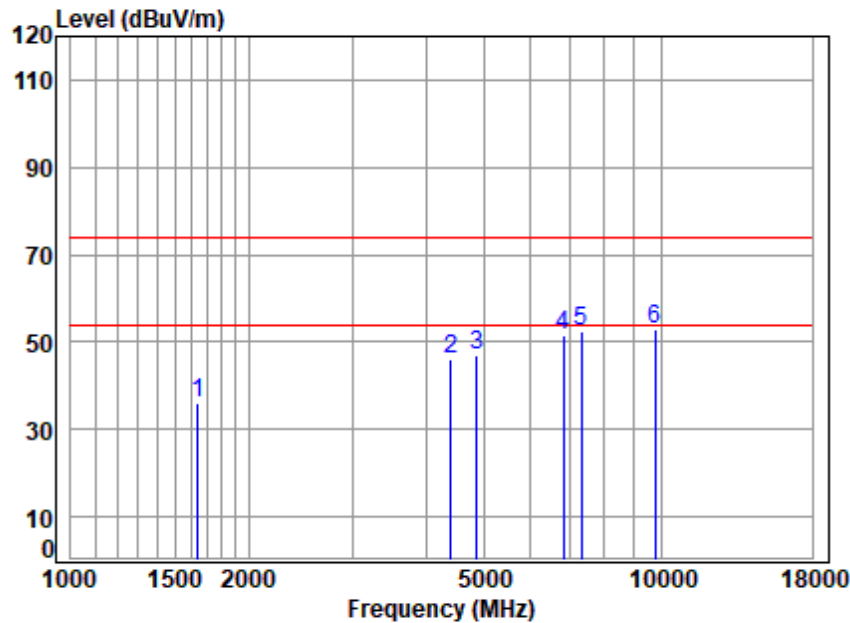


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2437 TX SE  
Note : 2.4G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1152.148	2.67	24.37	39.72	50.49	37.81	74.00 -36.19 peak
2	4469.214	6.73	33.55	41.85	48.83	47.26	74.00 -26.74 peak
3	4874.000	7.17	34.05	42.20	47.13	46.15	74.00 -27.85 peak
4	6855.063	8.47	35.82	41.80	49.74	52.23	74.00 -21.77 peak
5	7311.000	8.84	36.15	41.41	47.98	51.56	74.00 -22.44 peak
6	9748.000	10.76	37.75	37.52	42.24	53.23	74.00 -20.77 peak



Test Mode: 00; Polarity: Vertical; Modulation: 802.11n; Bandwidth: 40MHz; Channel: middle



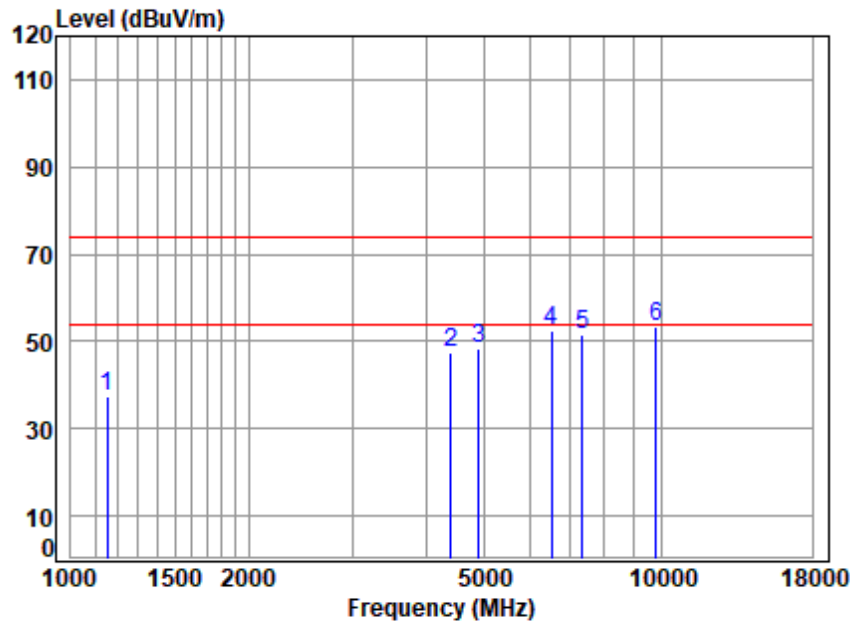
Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2437 TX SE  
Note : 2.4G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	3.38	26.44	40.03	46.20	35.99	74.00	-38.01 peak
2	6.67	33.44	41.79	47.63	45.95	74.00	-28.05 peak
3	7.17	34.05	42.20	48.13	47.15	74.00	-26.85 peak
4	8.45	35.79	41.82	48.91	51.33	74.00	-22.67 peak
5	8.84	36.15	41.41	48.79	52.37	74.00	-21.63 peak
6	10.76	37.75	37.52	42.07	53.06	74.00	-20.94 peak





Test Mode: 00; Polarity: Horizontal; Modulation: 802.11n; Bandwidth: 40MHz; Channel: High

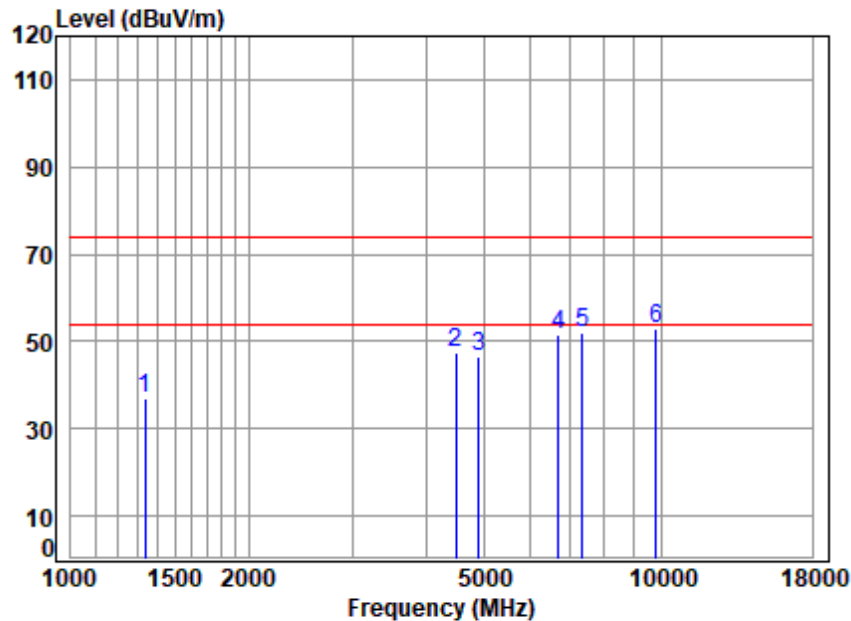


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00015AT/00016AT  
Mode : 2452TX SE  
Note : 2.4G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1152.148	2.67	24.37	39.72	50.27	37.59	74.00 -36.41 peak
2	4405.090	6.67	33.44	41.79	49.22	47.54	74.00 -26.46 peak
3	4904.000	7.20	34.09	42.22	49.07	48.14	74.00 -25.86 peak
4	6526.373	8.29	35.62	42.02	50.47	52.36	74.00 -21.64 peak
5	7356.000	8.88	36.19	41.37	48.04	51.74	74.00 -22.26 peak
6	9808.000	10.75	37.79	37.42	42.46	53.58	74.00 -20.42 peak



Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00015AT/00016AT  
Mode : 2452TX SE  
Note : 2.4G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1335.141	3.00	25.17	39.85	48.84	37.16	74.00 -36.84 peak
2	4482.150	6.74	33.57	41.86	48.95	47.40	74.00 -26.60 peak
3	4904.000	7.20	34.09	42.22	47.66	46.73	74.00 -27.27 peak
4	6698.373	8.39	35.72	41.90	49.18	51.39	74.00 -22.61 peak
5	7356.000	8.88	36.19	41.37	48.15	51.85	74.00 -22.15 peak
6	9808.000	10.75	37.79	37.42	41.60	52.72	74.00 -21.28 peak



## 8 Emission Test Results

### 8.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement: 47 CFR Part 15, Subpart C 15.207  
Test Method: ANSI C63.10 (2013) Section 6.2

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.		
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz		

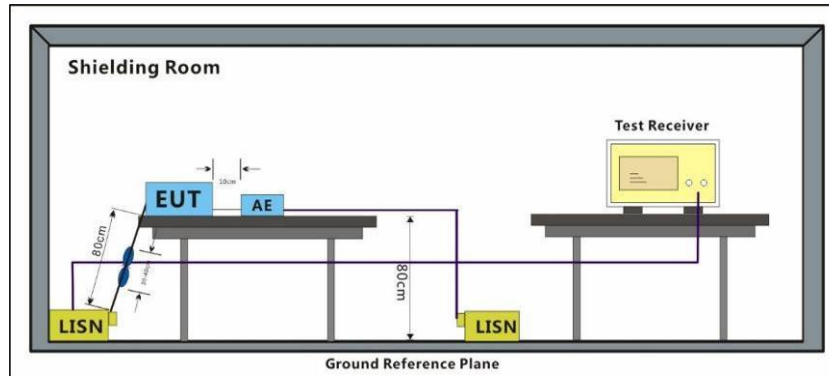
#### 8.1.1 E.U.T. Operation

Operating Environment:  
Temperature: 21.2 °C Humidity: 60.3 % RH Atmospheric Pressure: 1010 mbar

#### 8.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

### 8.1.3 Test Setup Diagram



### 8.1.4 Measurement Procedure and Data

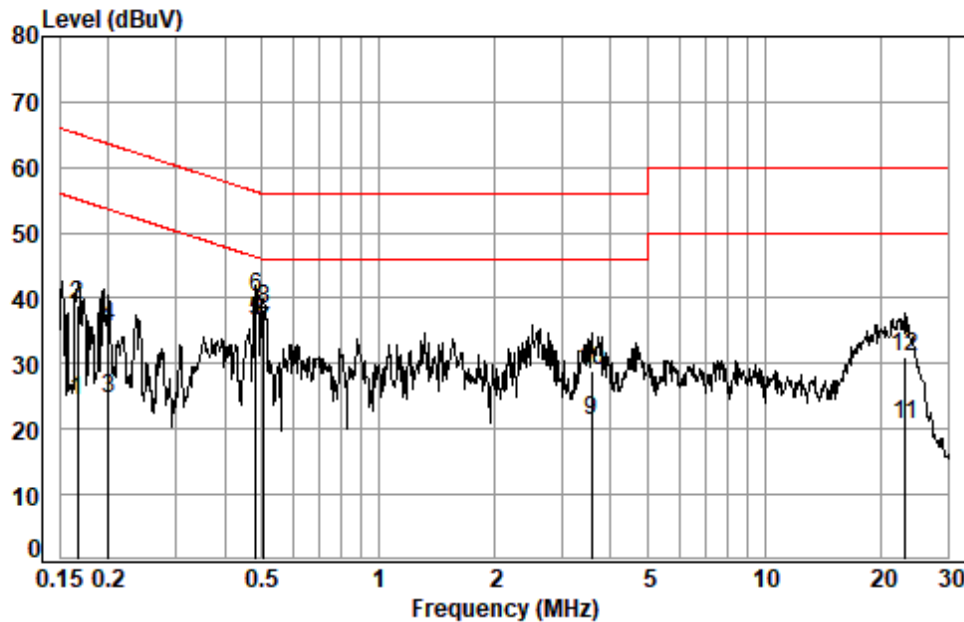
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor





Test Mode: 00; Line: Live line Modulation:802.11b; Bandwidth:20MHz; Channel:Low

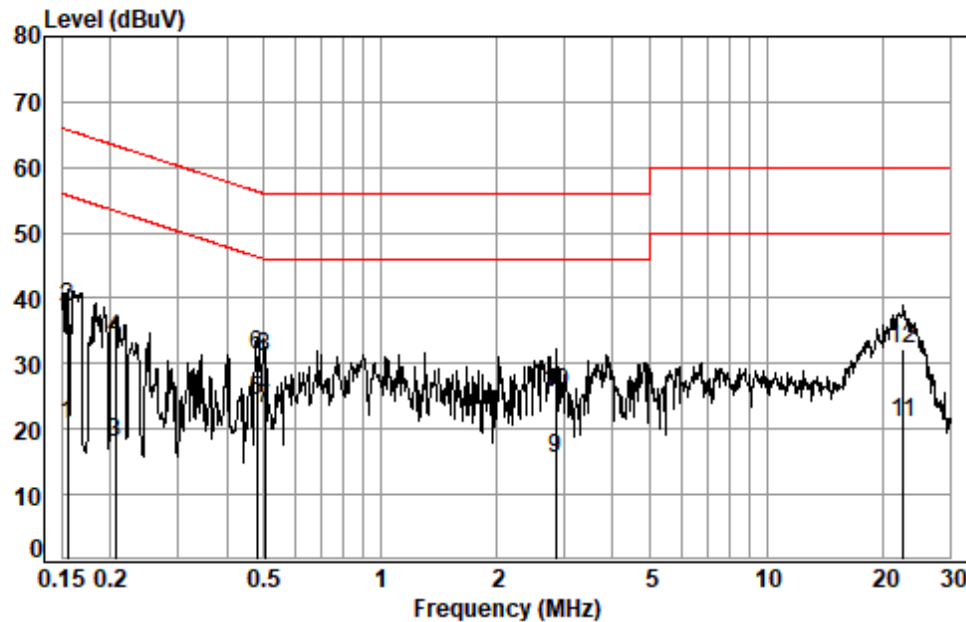


Site : Shielding Room  
Condition: Line  
Job No. : 00015AT  
Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1668	0.03	9.71	14.59	24.33	55.12	-30.79	Average
2	0.1668	0.03	9.71	29.05	38.79	65.12	-26.33	QP
3	0.2007	0.04	9.72	14.74	24.50	53.58	-29.08	Average
4	0.2007	0.04	9.72	25.82	35.58	63.58	-28.00	QP
5	0.4812	0.07	9.77	26.70	36.54	46.32	-9.78	Average
6	0.4812	0.07	9.77	30.22	40.06	56.32	-16.26	QP
7	0.5047	0.07	9.77	25.21	35.05	46.00	-10.95	Average
8	0.5047	0.07	9.77	28.47	38.31	56.00	-17.69	QP
9	3.5654	0.15	9.86	11.27	21.28	46.00	-24.72	Average
10	3.5654	0.15	9.86	18.98	28.99	56.00	-27.01	QP
11	23.1404	0.18	10.97	9.67	20.82	50.00	-29.18	Average
12	23.1404	0.18	10.97	19.76	30.91	60.00	-29.09	QP



Test Mode: 00; Line: Neutral Line Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : Shielding Room  
Condition: Neutral  
Job No. : 00015AT  
Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1548	0.03	9.71	10.89	20.63	55.74	-35.11	Average
2	0.1548	0.03	9.71	28.98	38.72	65.74	-27.02	QP
3	0.2061	0.04	9.72	8.18	17.94	53.36	-35.42	Average
4	0.2061	0.04	9.72	23.93	33.69	63.36	-29.67	QP
5	0.4786	0.07	9.76	14.49	24.32	46.36	-22.04	Average
6	0.4786	0.07	9.76	21.44	31.27	56.36	-25.09	QP
7	0.5020	0.07	9.76	13.15	22.98	46.00	-23.02	Average
8	0.5020	0.07	9.76	21.22	31.05	56.00	-24.95	QP
9	2.8541	0.14	9.83	5.49	15.46	46.00	-30.54	Average
10	2.8541	0.14	9.83	15.53	25.50	56.00	-30.50	QP
11	22.6551	0.18	10.88	10.08	21.14	50.00	-28.86	Average
12	22.6551	0.18	10.88	21.33	32.39	60.00	-27.61	QP



## 9 Test Setup Photo

Refer to Setup Photos

## 10 EUT Constructional Details (EUT Photos)

Refer to EUT External and Internal photos



## 11 Appendix

### Appendix for 15.247

#### 1. Duty Cycle

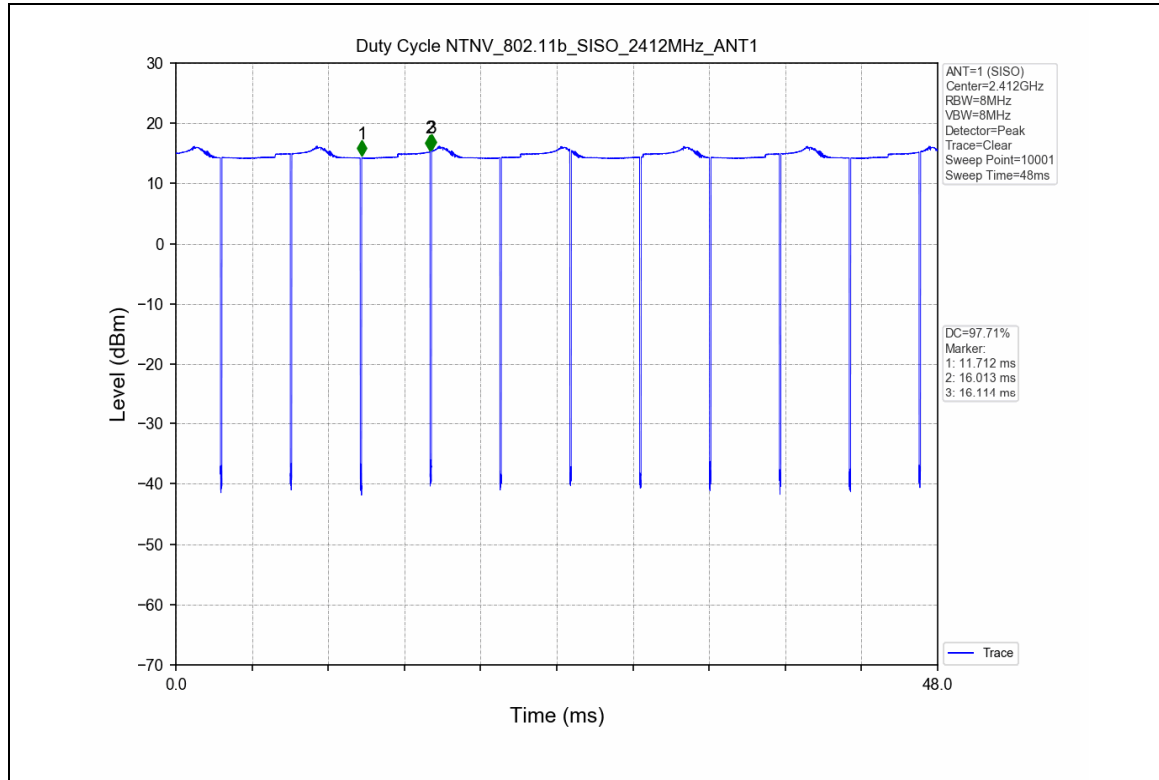
##### 1.1 Test Result

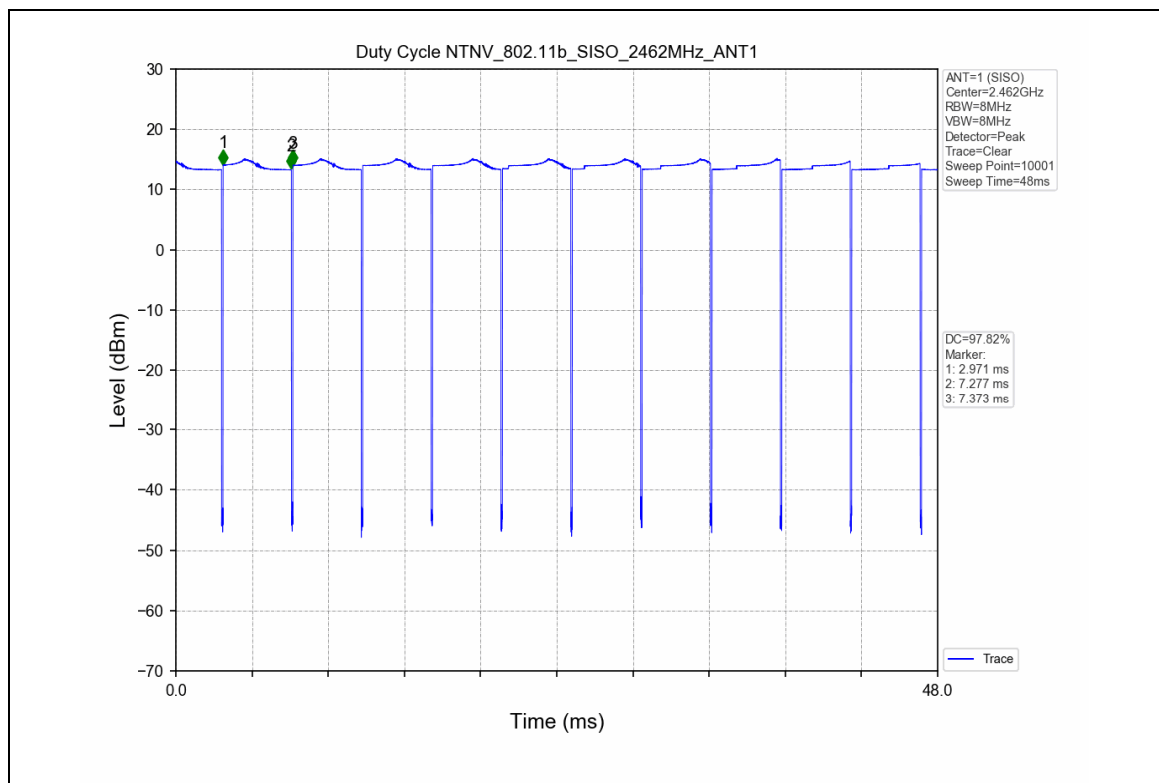
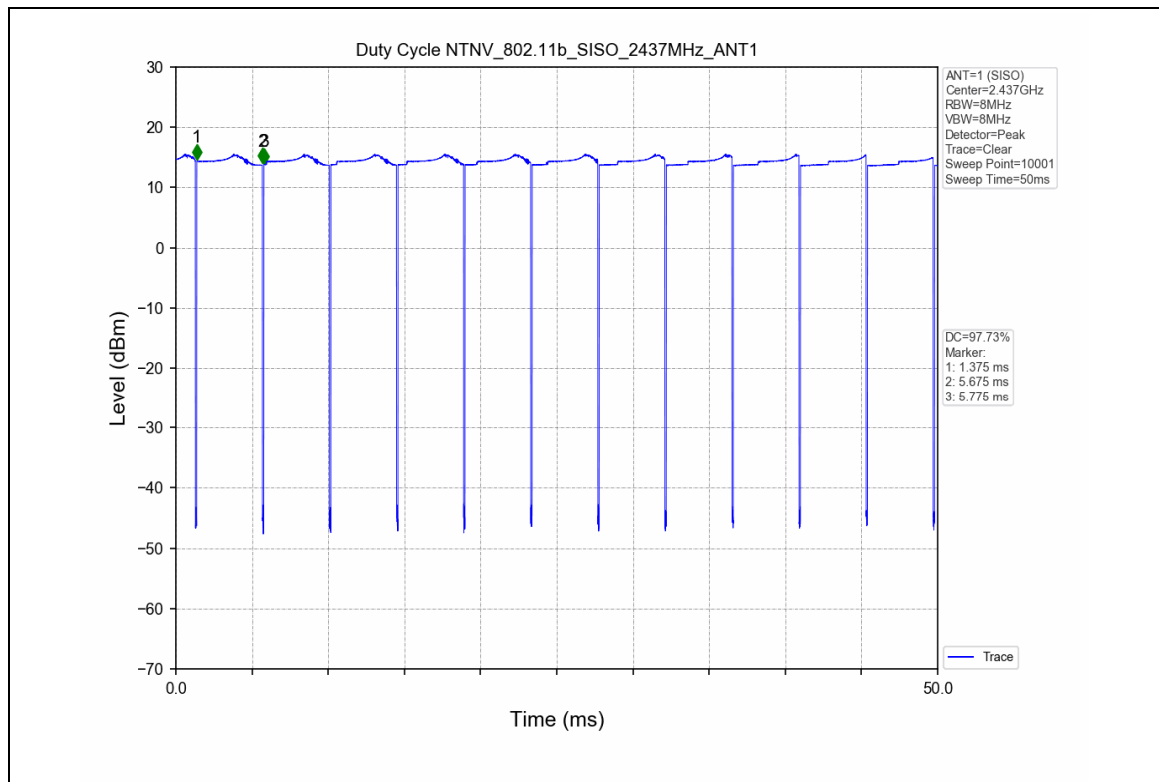
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	4.301	4.402	97.71	0.10
	2437	SISO	1	4.300	4.400	97.73	0.10
	2462	SISO	1	4.306	4.402	97.82	0.10
802.11g	2412	SISO	1	0.712	0.811	87.79	0.57
	2437	SISO	1	0.712	0.810	87.90	0.56
	2462	SISO	1	0.711	0.807	88.10	0.55
802.11n(HT20)	2412	SISO	1	0.637	0.674	94.51	0.25
	2437	SISO	1	0.638	0.676	94.38	0.25
	2462	SISO	1	0.637	0.675	94.37	0.25
802.11n(HT40)	2422	SISO	1	0.340	0.381	89.24	0.49
	2437	SISO	1	0.340	0.380	89.47	0.48
	2452	SISO	1	0.340	0.381	89.24	0.49

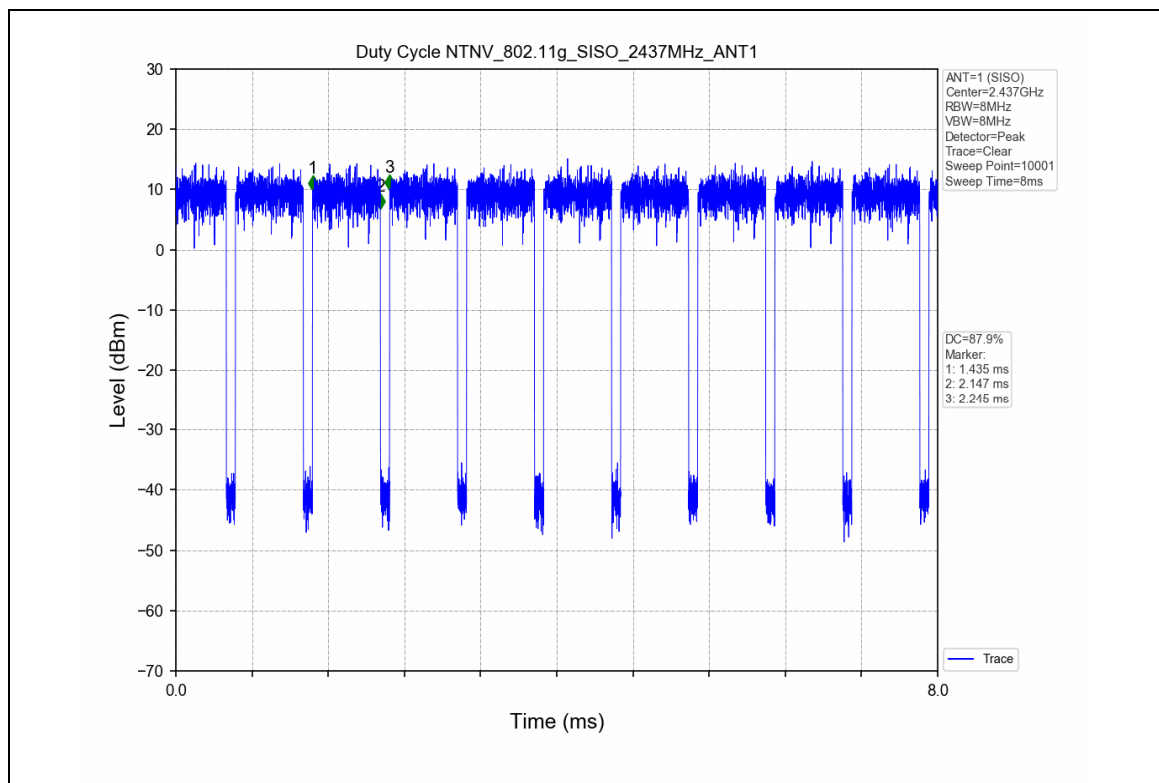
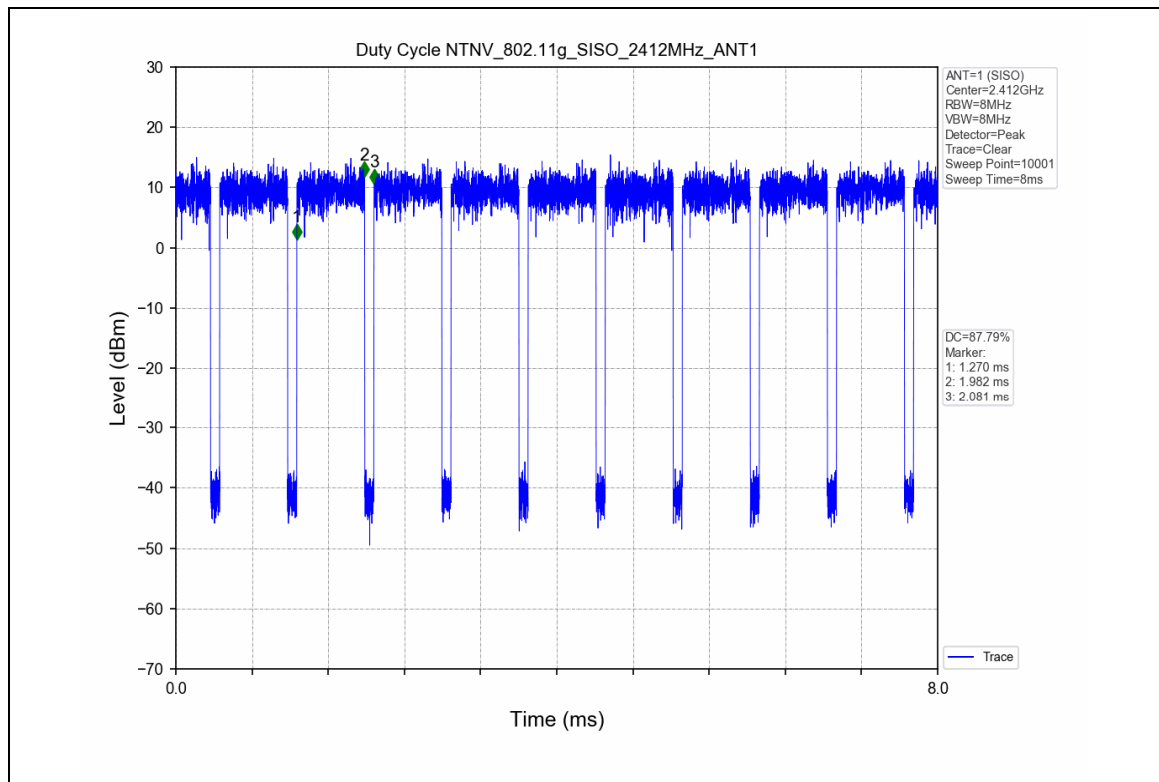


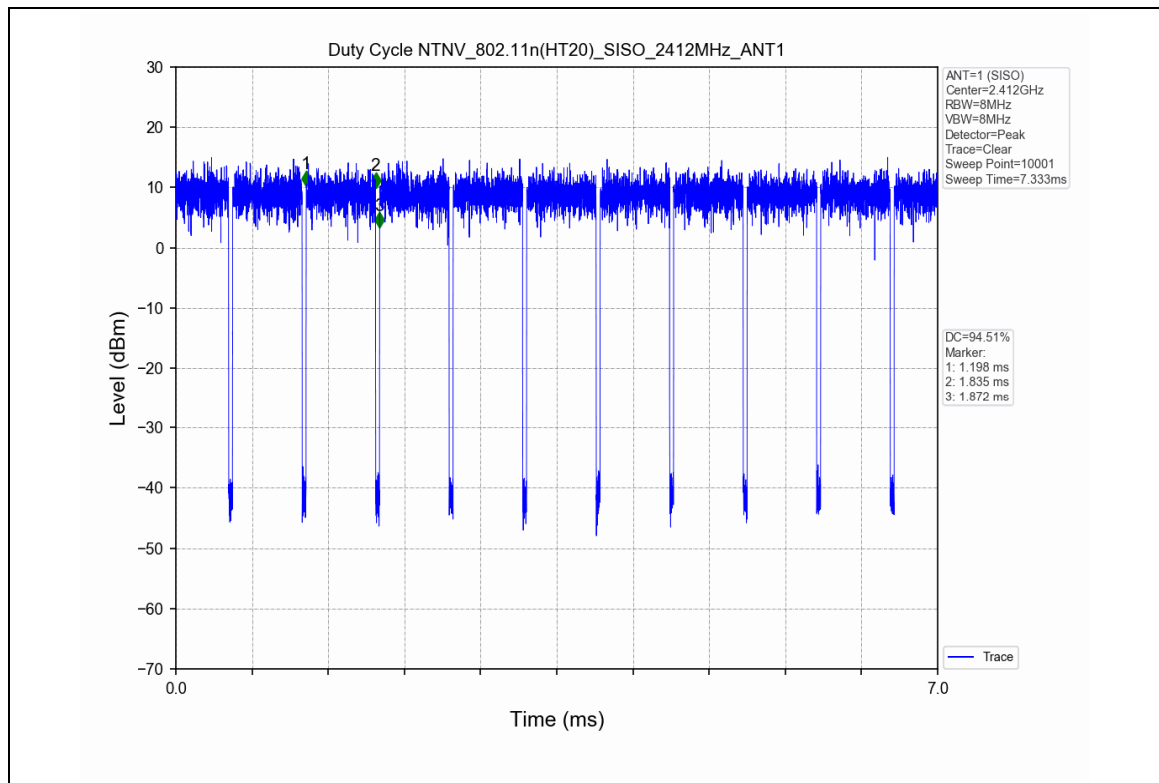
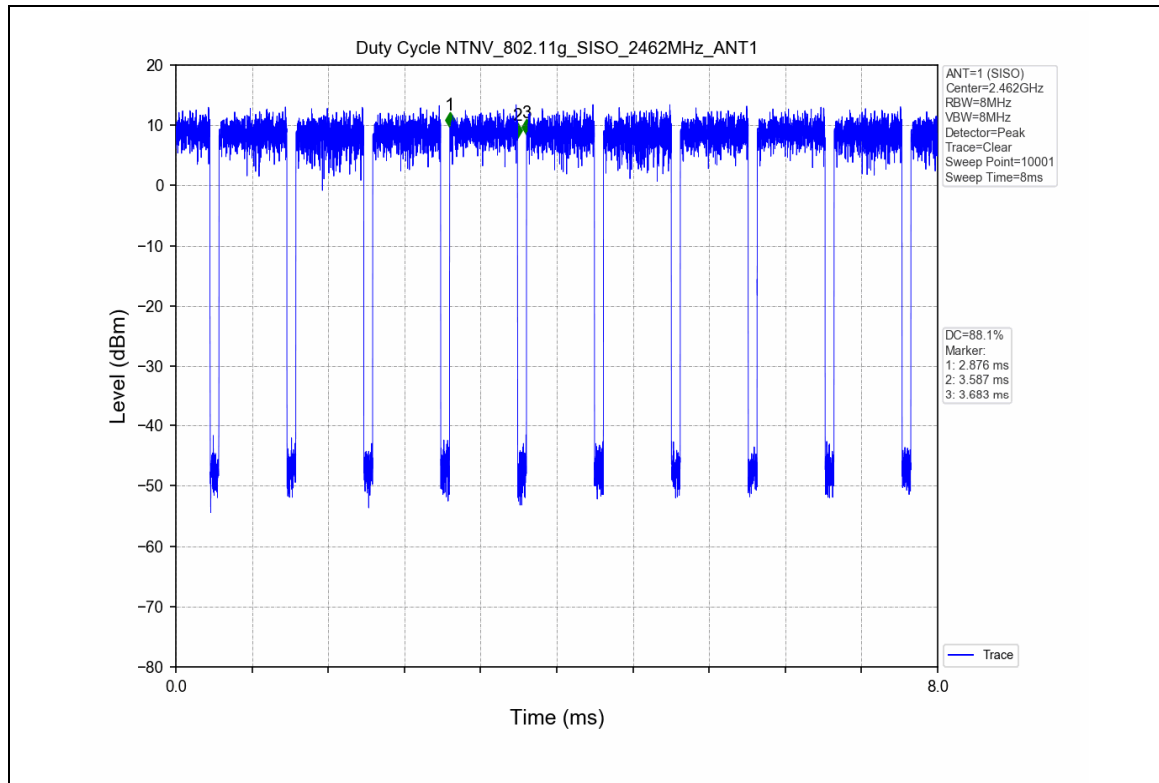


### 1.2 Test Graph

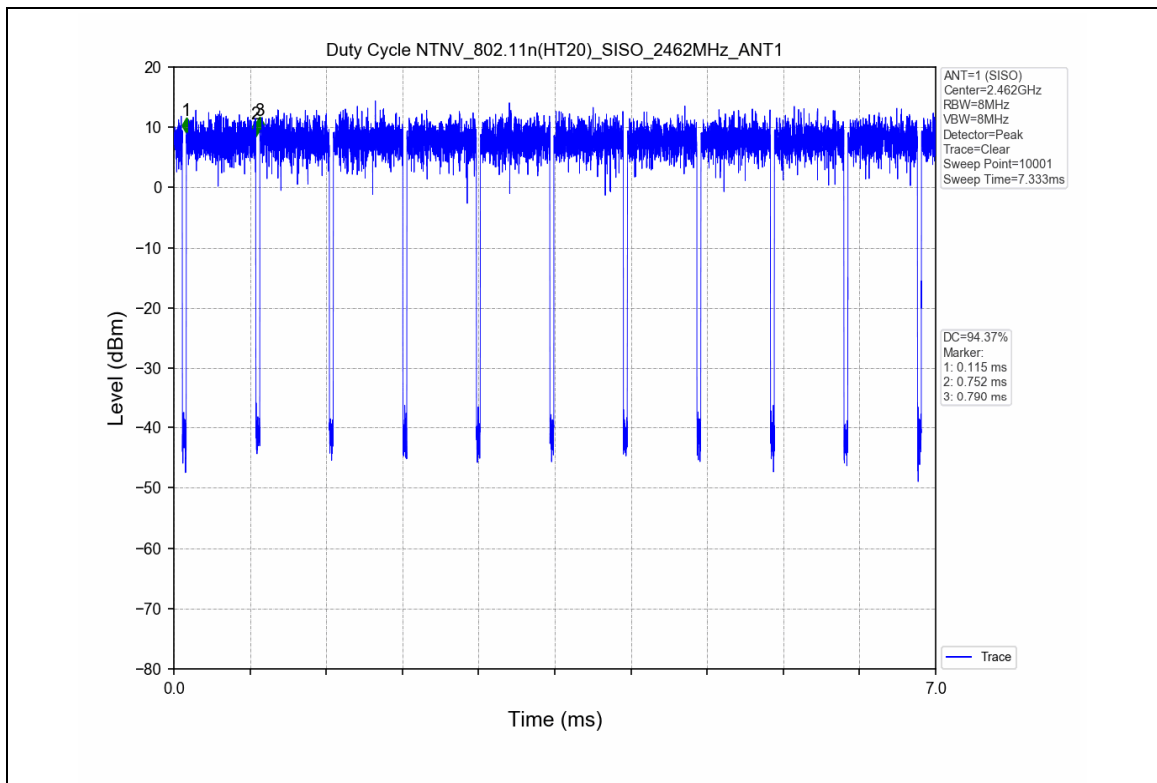
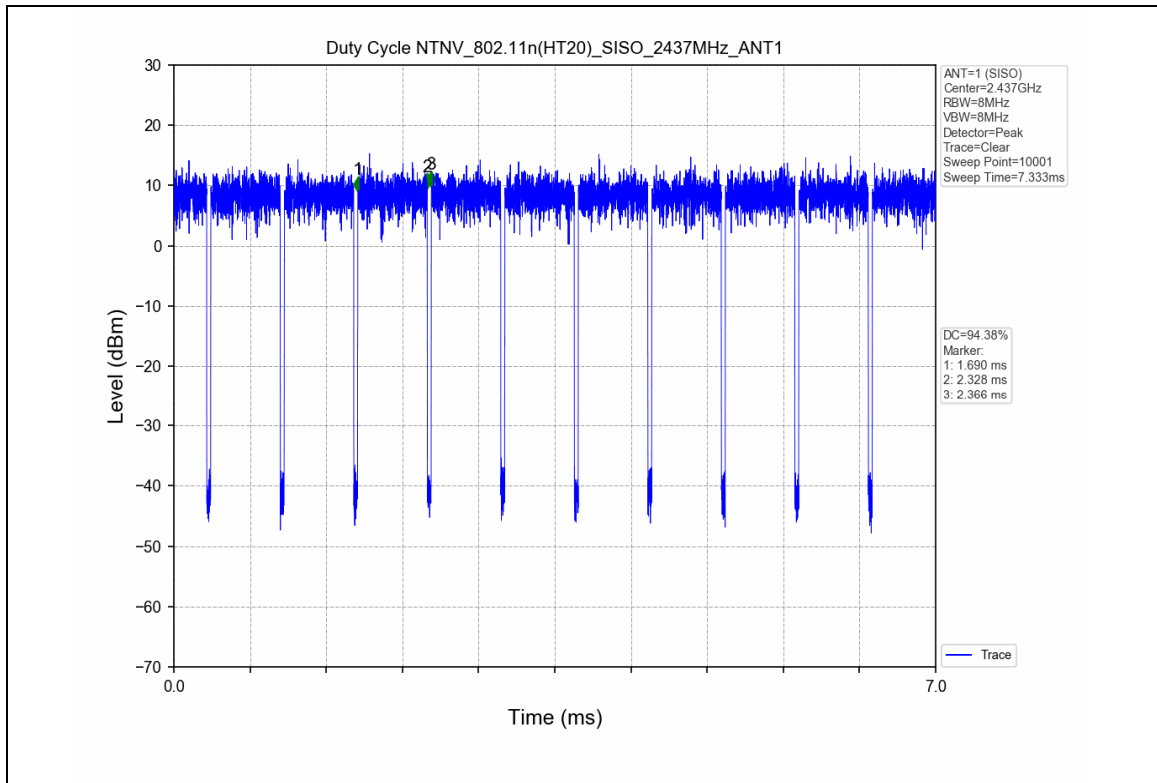


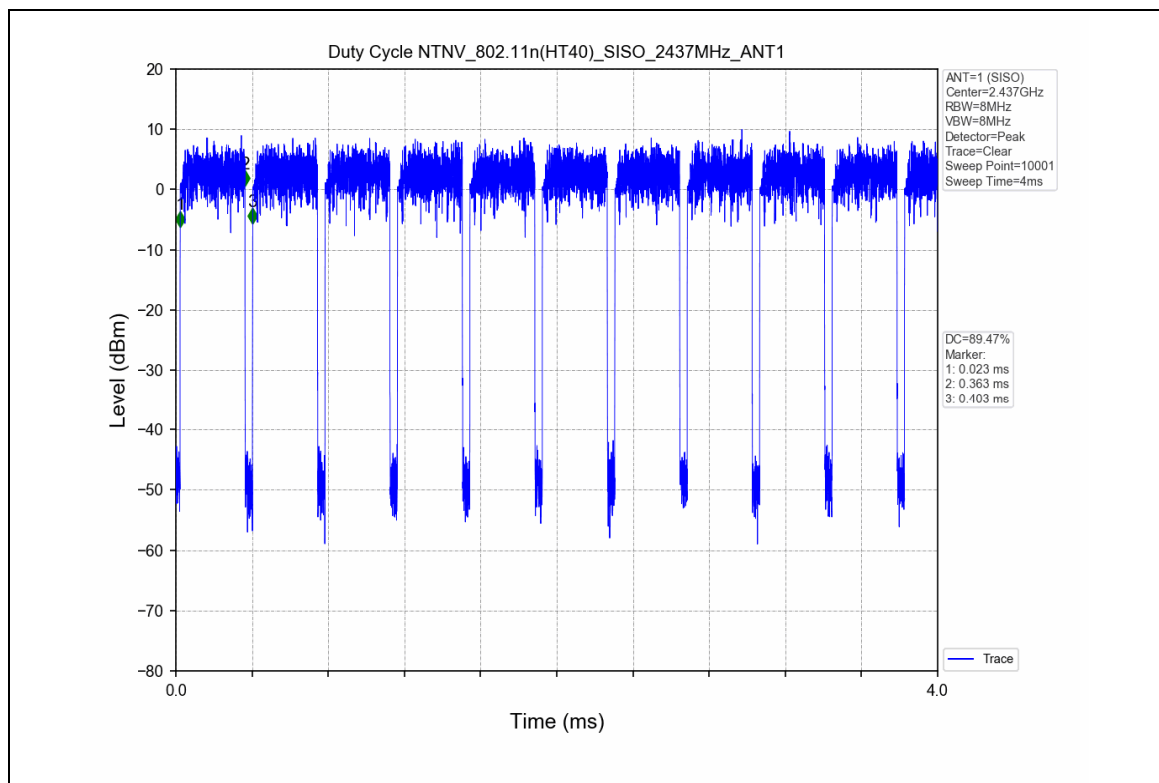
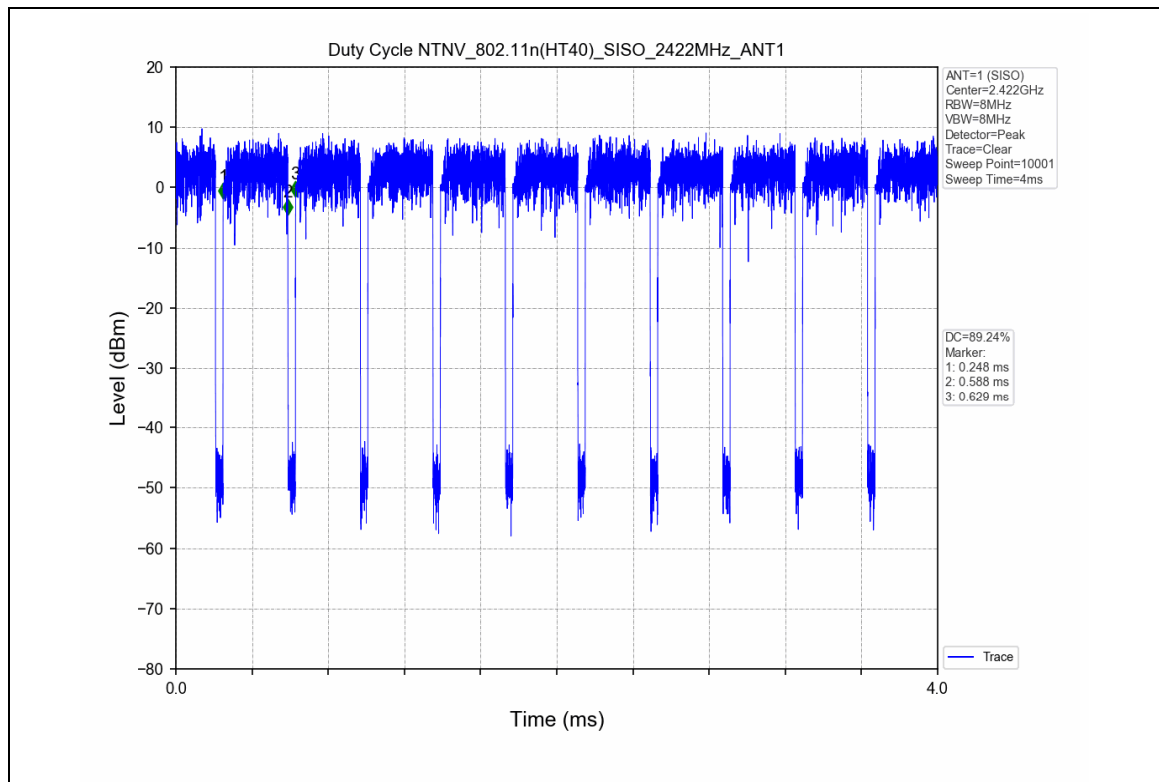


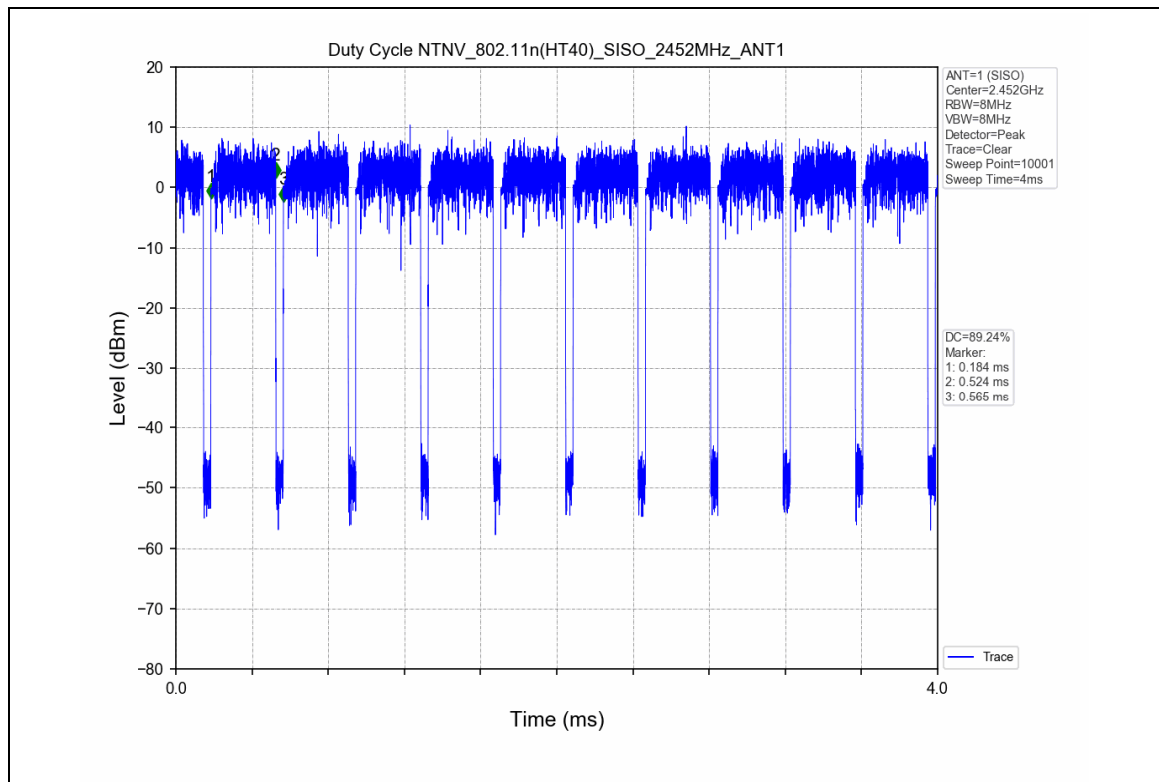












## 2. Bandwidth

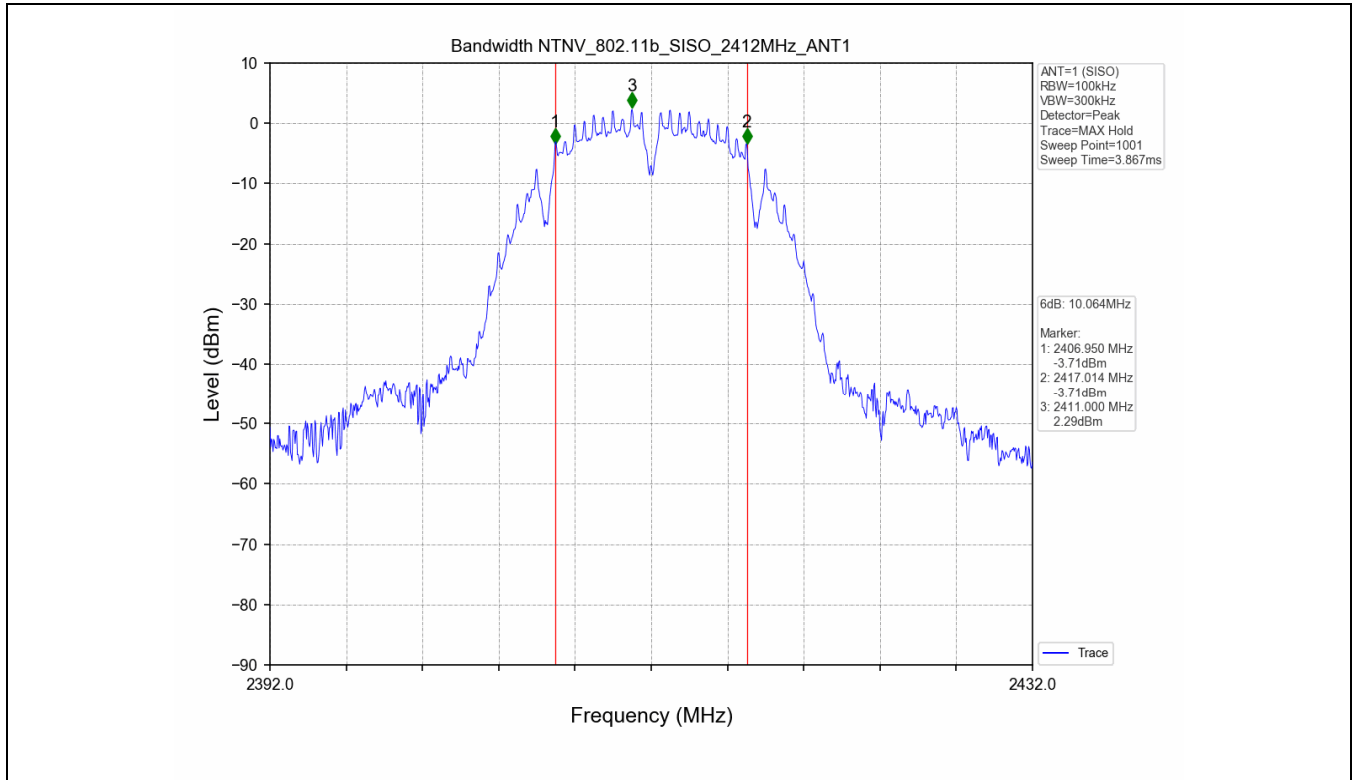
### 2.1 Test Result

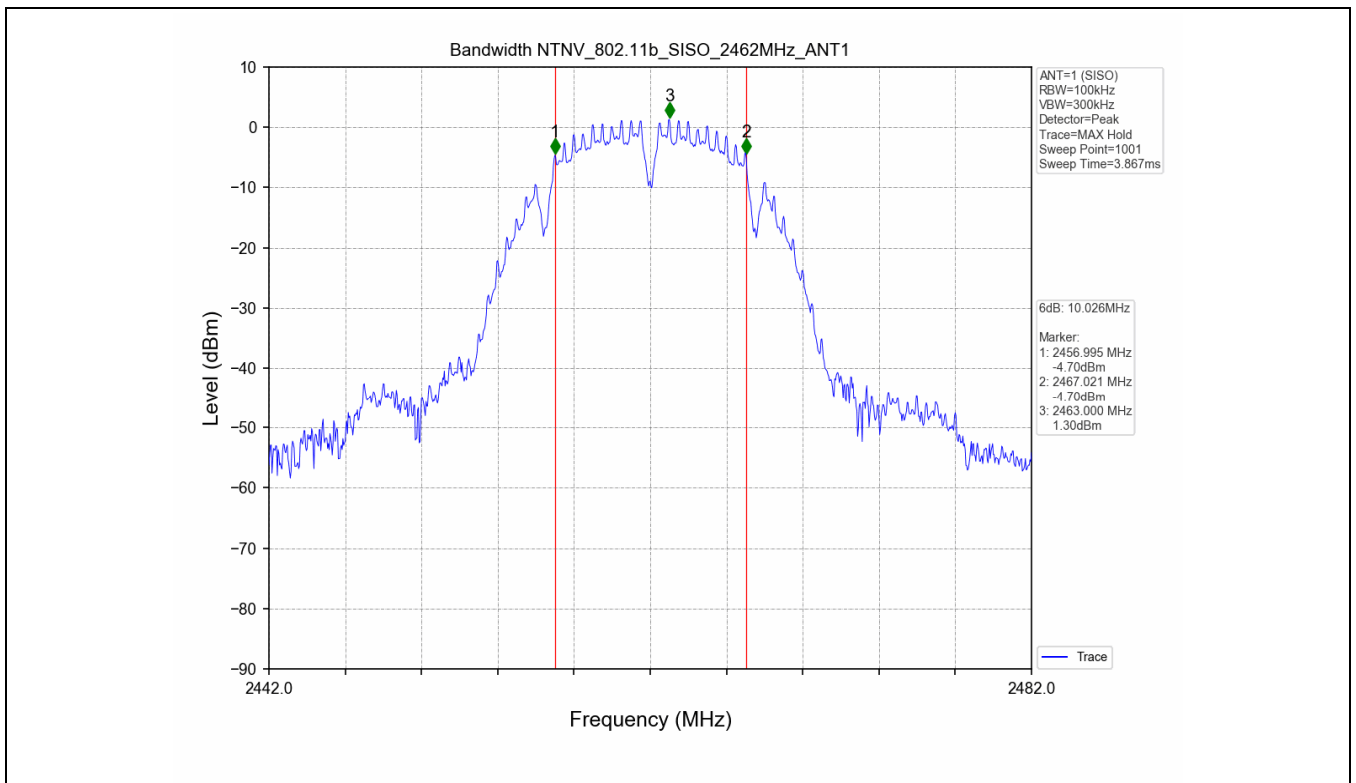
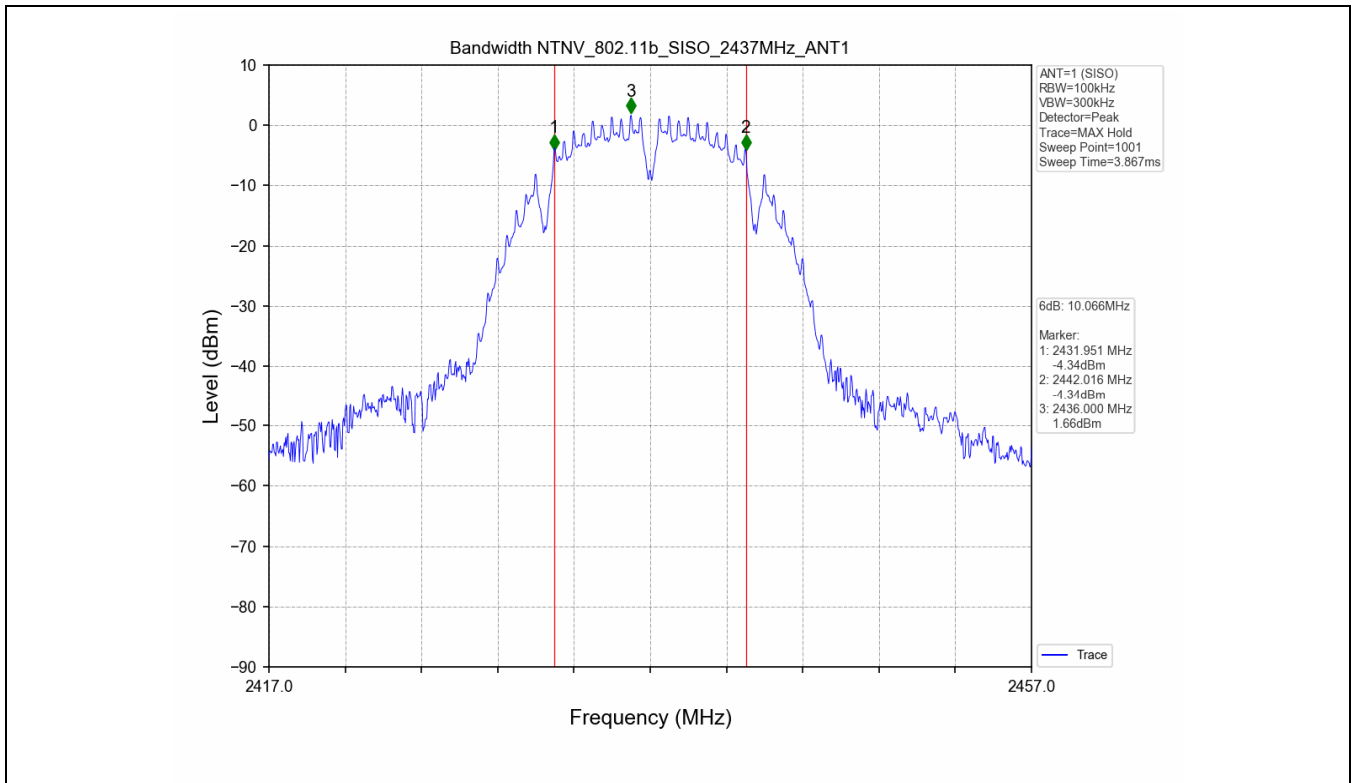
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	10.064	≥0.5	PASS
	2437	SISO	1	10.066	≥0.5	PASS
	2462	SISO	1	10.026	≥0.5	PASS
802.11g	2412	SISO	1	16.378	≥0.5	PASS
	2437	SISO	1	16.391	≥0.5	PASS
	2462	SISO	1	16.372	≥0.5	PASS
802.11n(HT20)	2412	SISO	1	17.036	≥0.5	PASS
	2437	SISO	1	17.091	≥0.5	PASS
	2462	SISO	1	17.087	≥0.5	PASS
802.11n(HT40)	2422	SISO	1	35.382	≥0.5	PASS
	2437	SISO	1	35.240	≥0.5	PASS
	2452	SISO	1	35.272	≥0.5	PASS

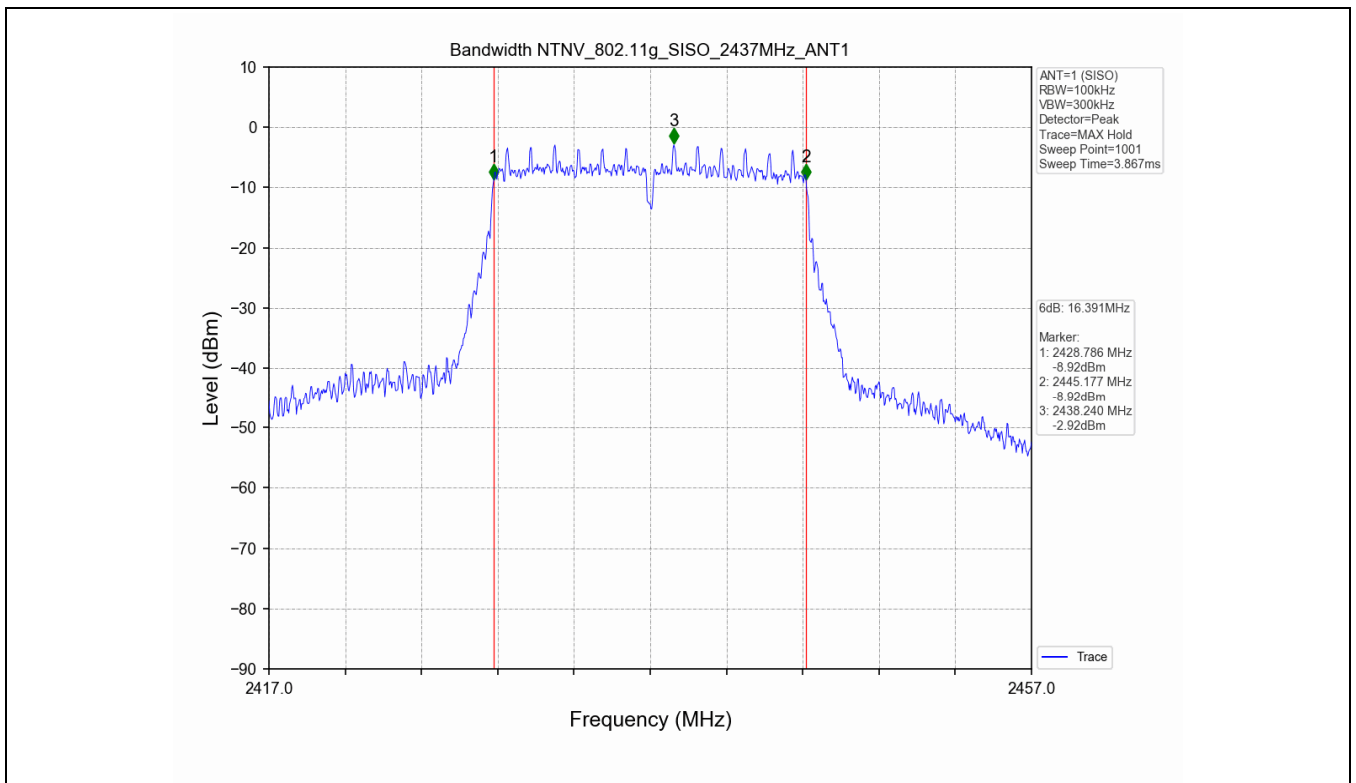
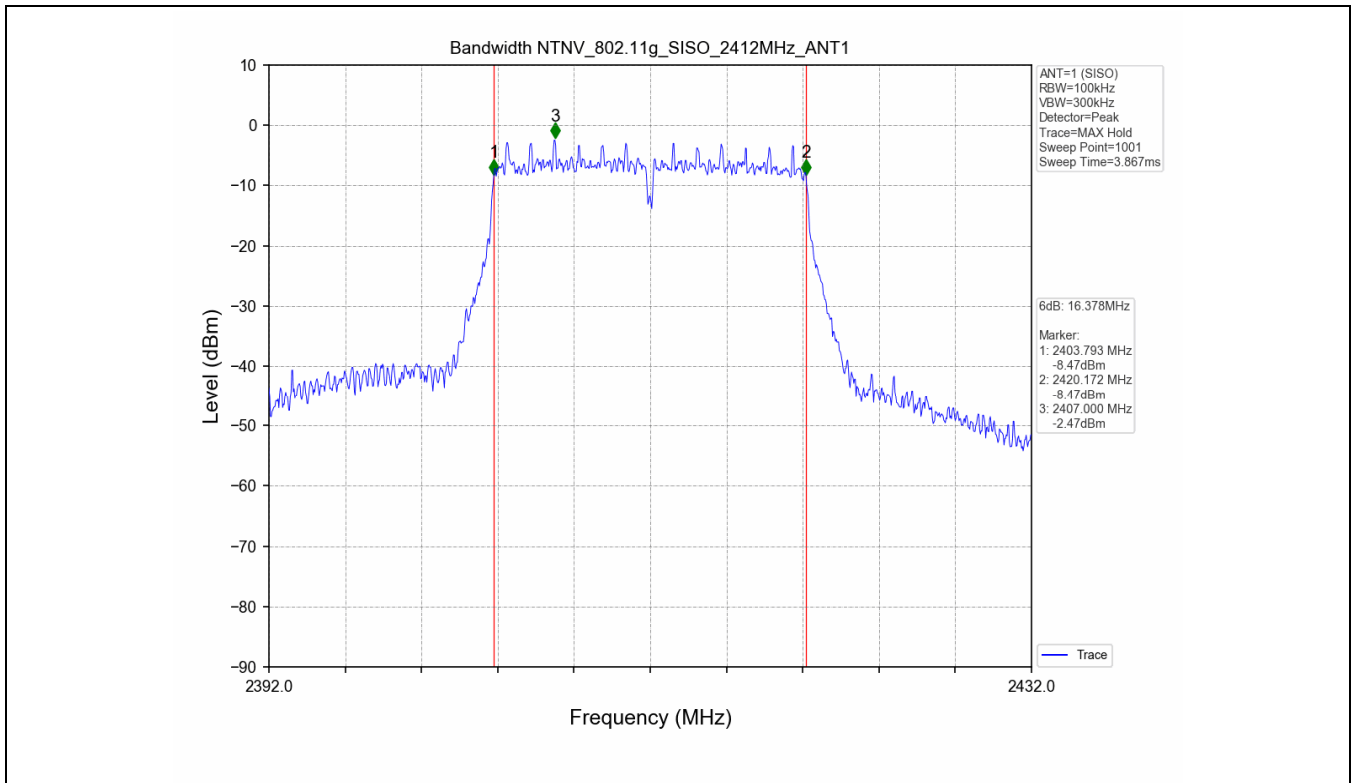
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	12.958	Only for Report Use
	2437	SISO	1	12.957	Only for Report Use
	2462	SISO	1	12.944	Only for Report Use
802.11g	2412	SISO	1	16.574	Only for Report Use
	2437	SISO	1	16.630	Only for Report Use
	2462	SISO	1	16.686	Only for Report Use
802.11n(HT20)	2412	SISO	1	17.546	Only for Report Use
	2437	SISO	1	17.547	Only for Report Use
	2462	SISO	1	17.553	Only for Report Use
802.11n(HT40)	2422	SISO	1	35.976	Only for Report Use
	2437	SISO	1	35.974	Only for Report Use
	2452	SISO	1	35.954	Only for Report Use

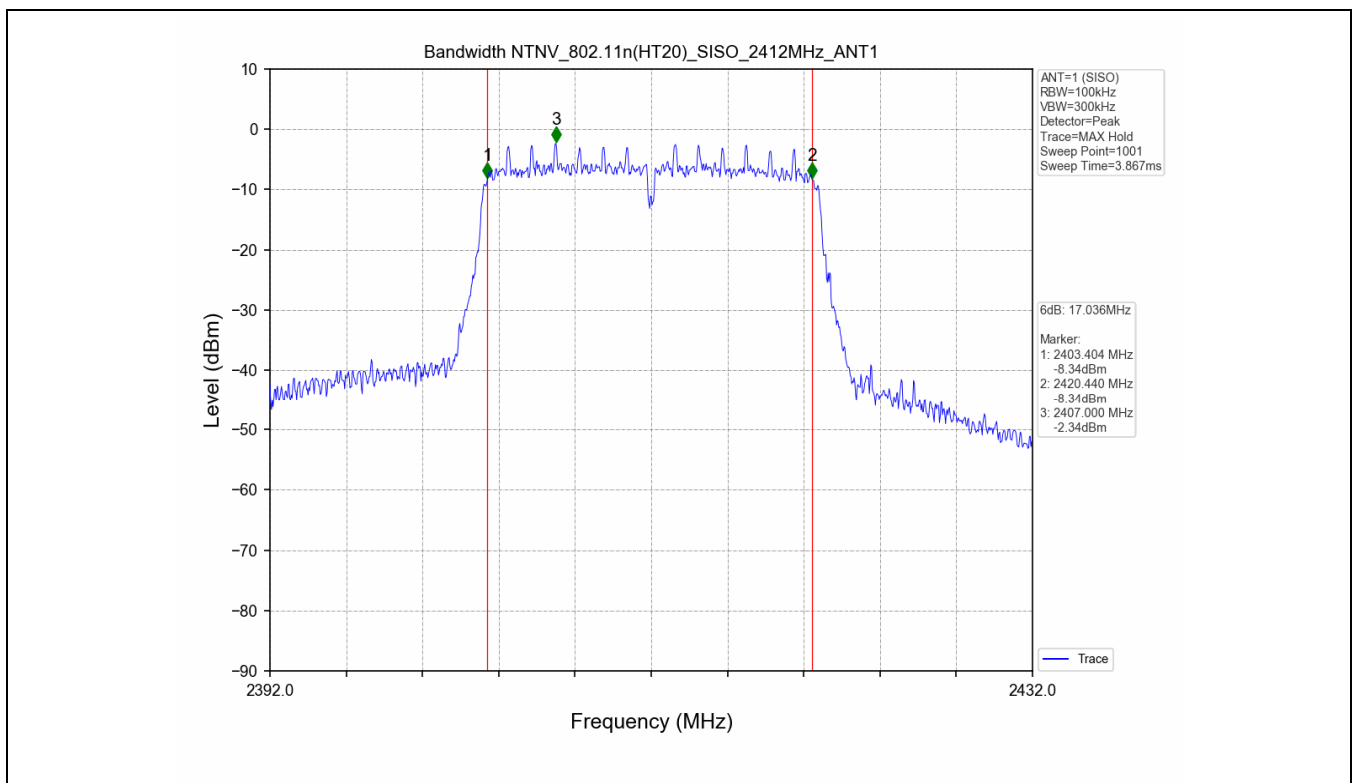
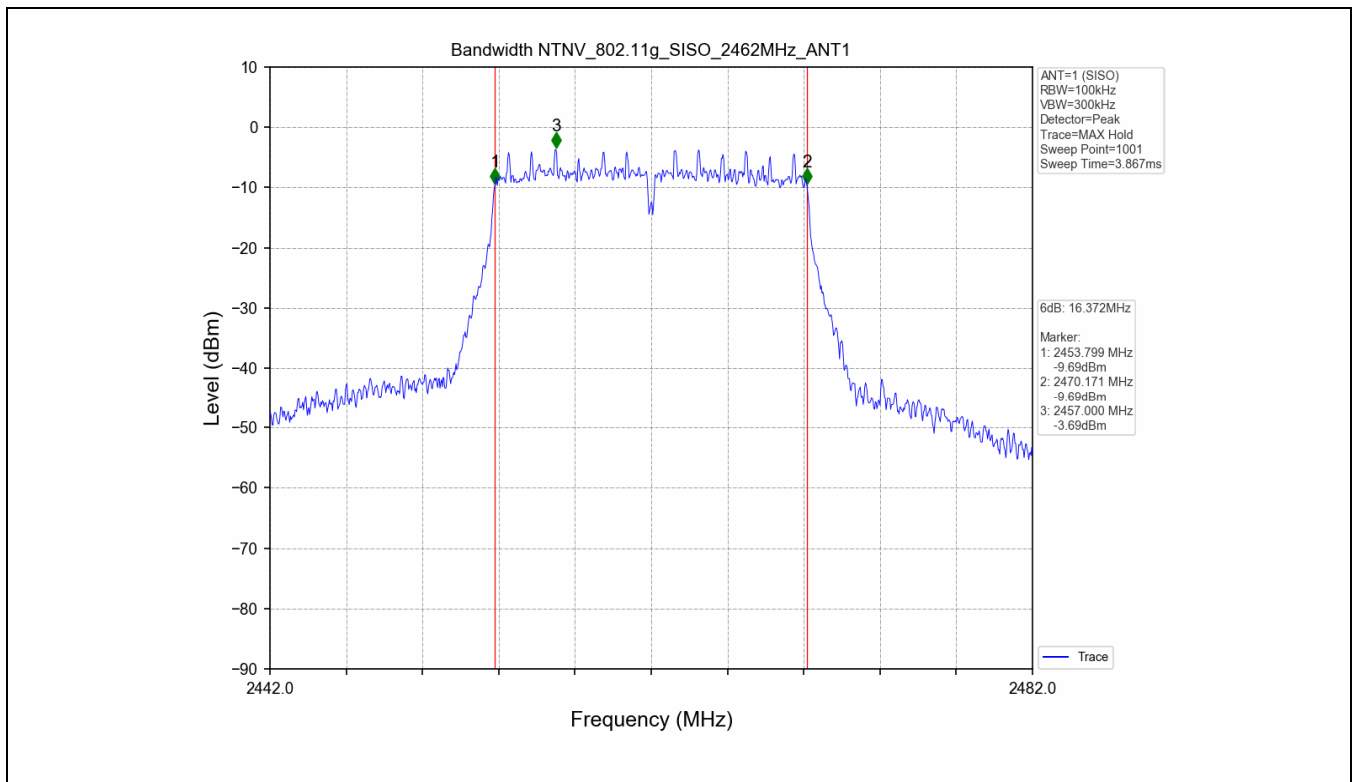


### 2.2 Test Graph - 6dB Bandwidth

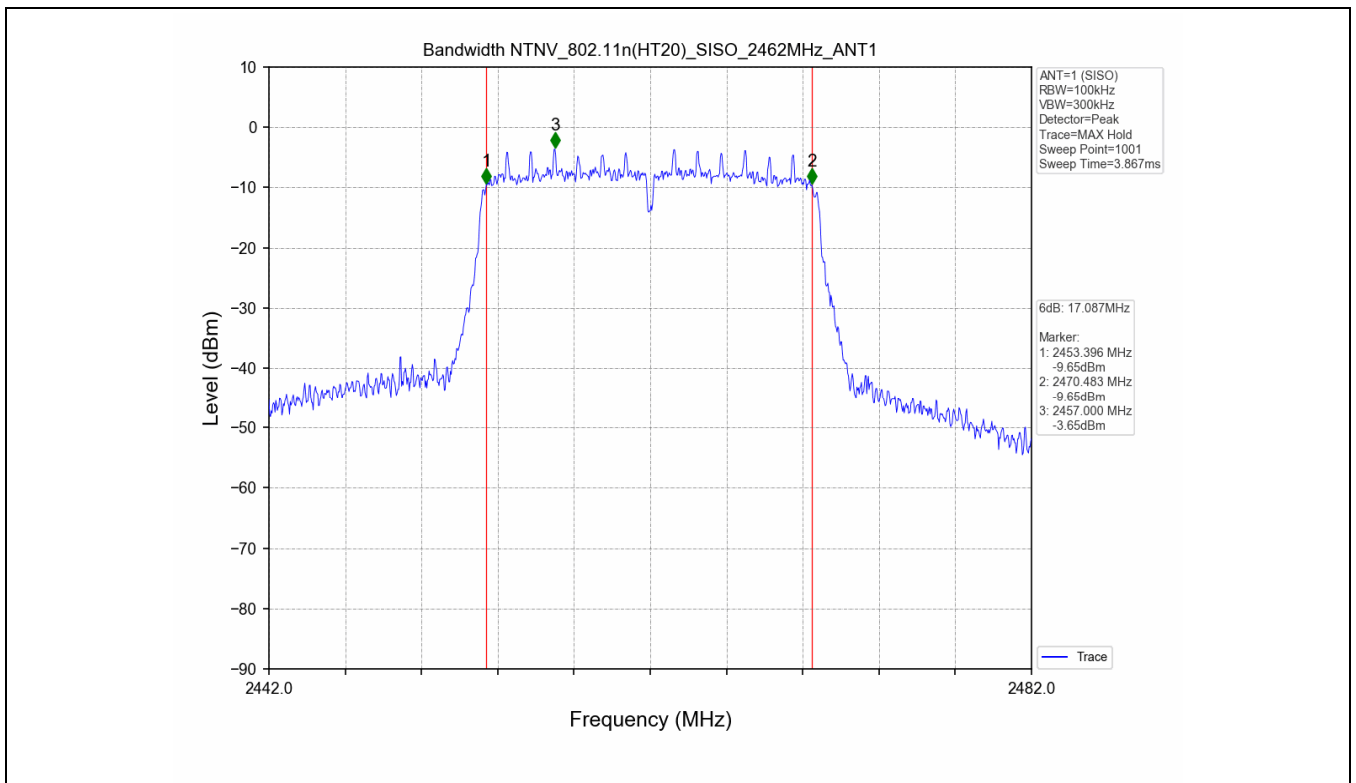
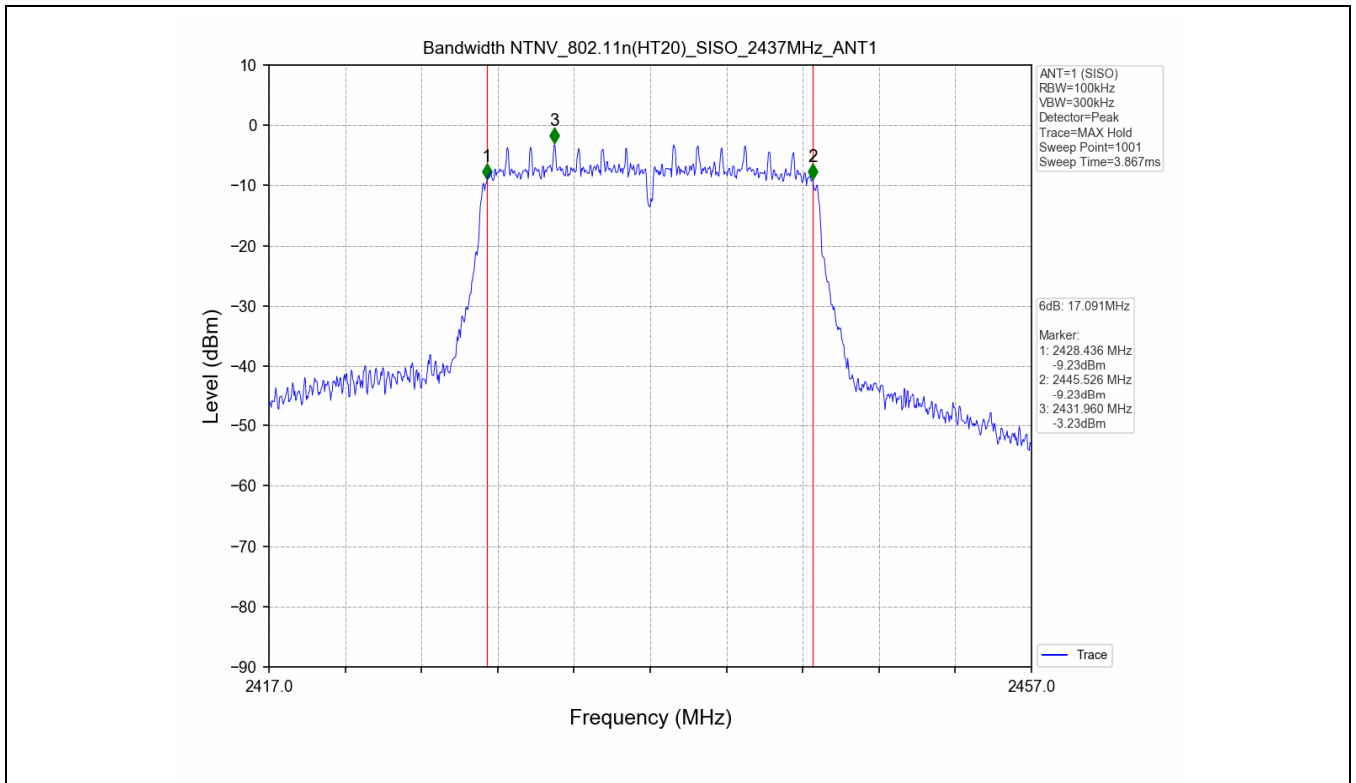


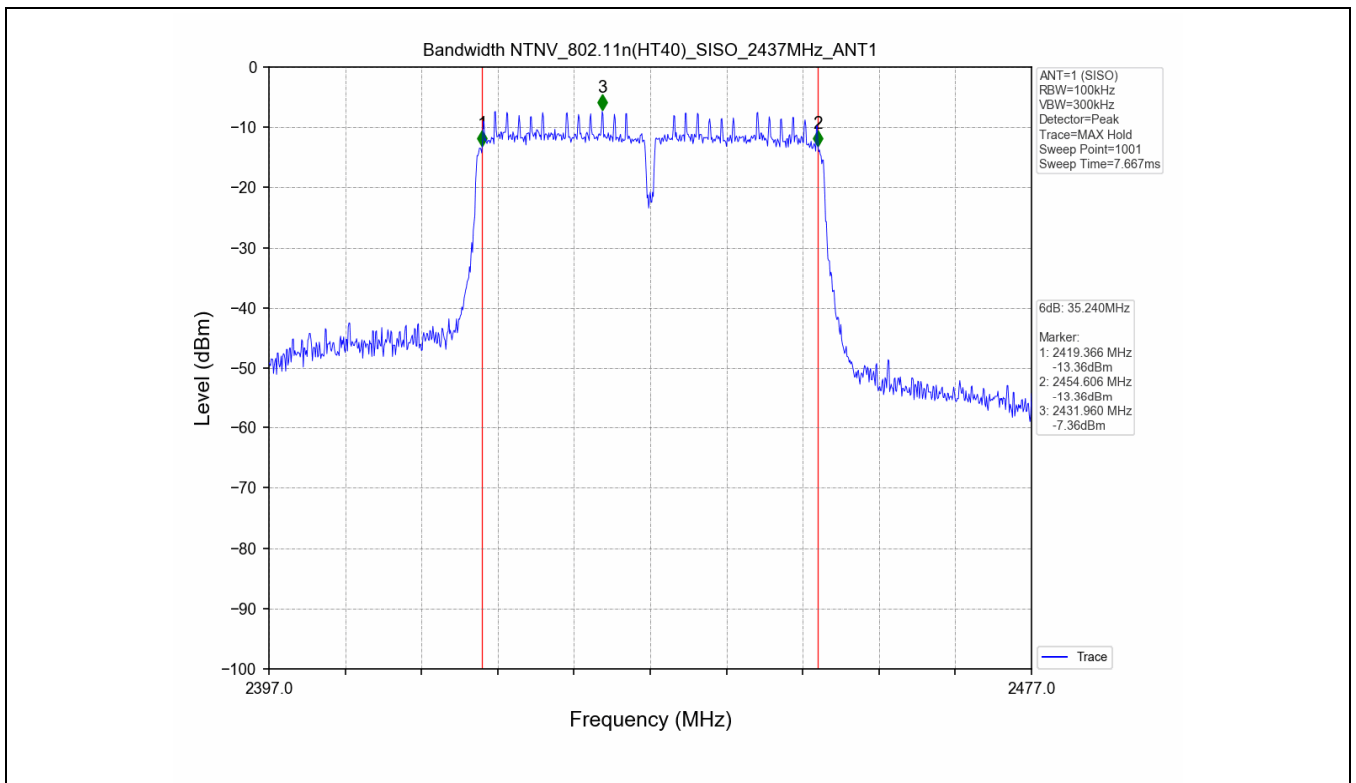
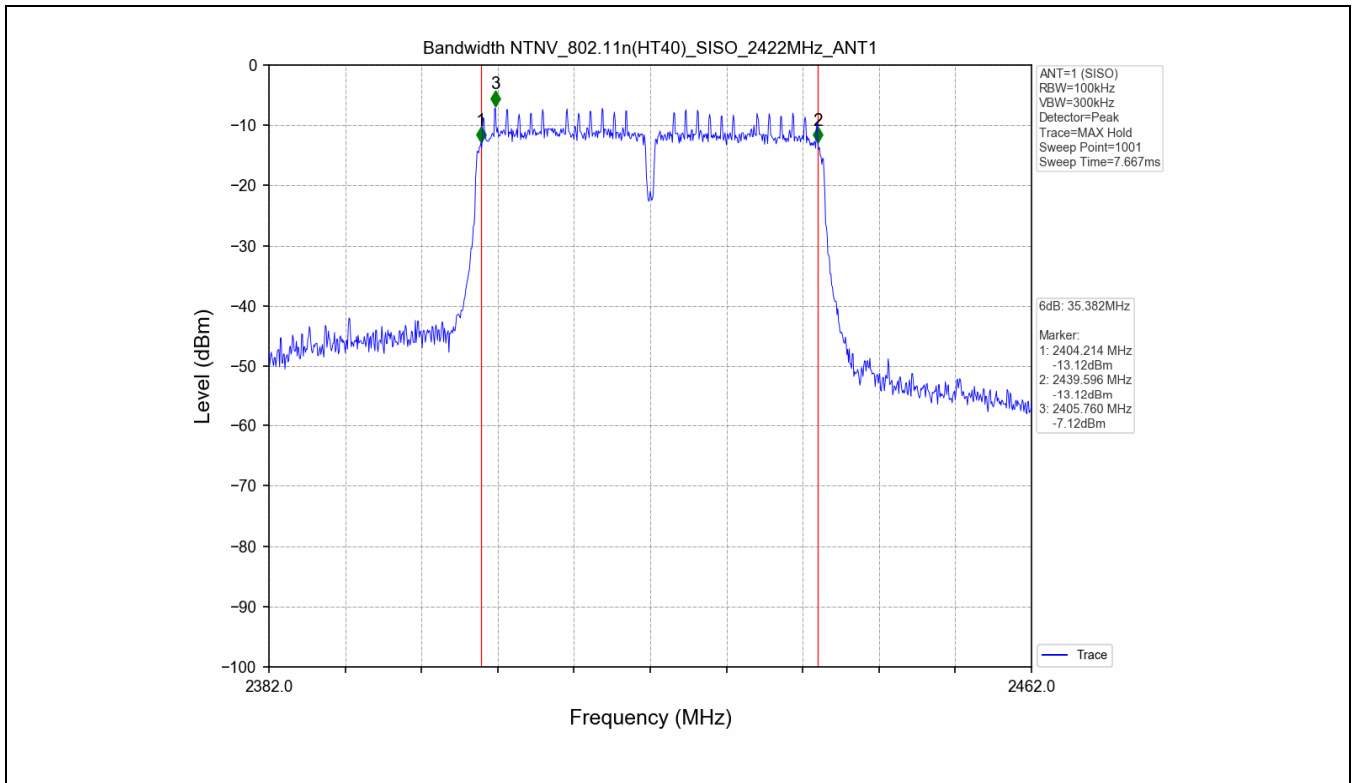


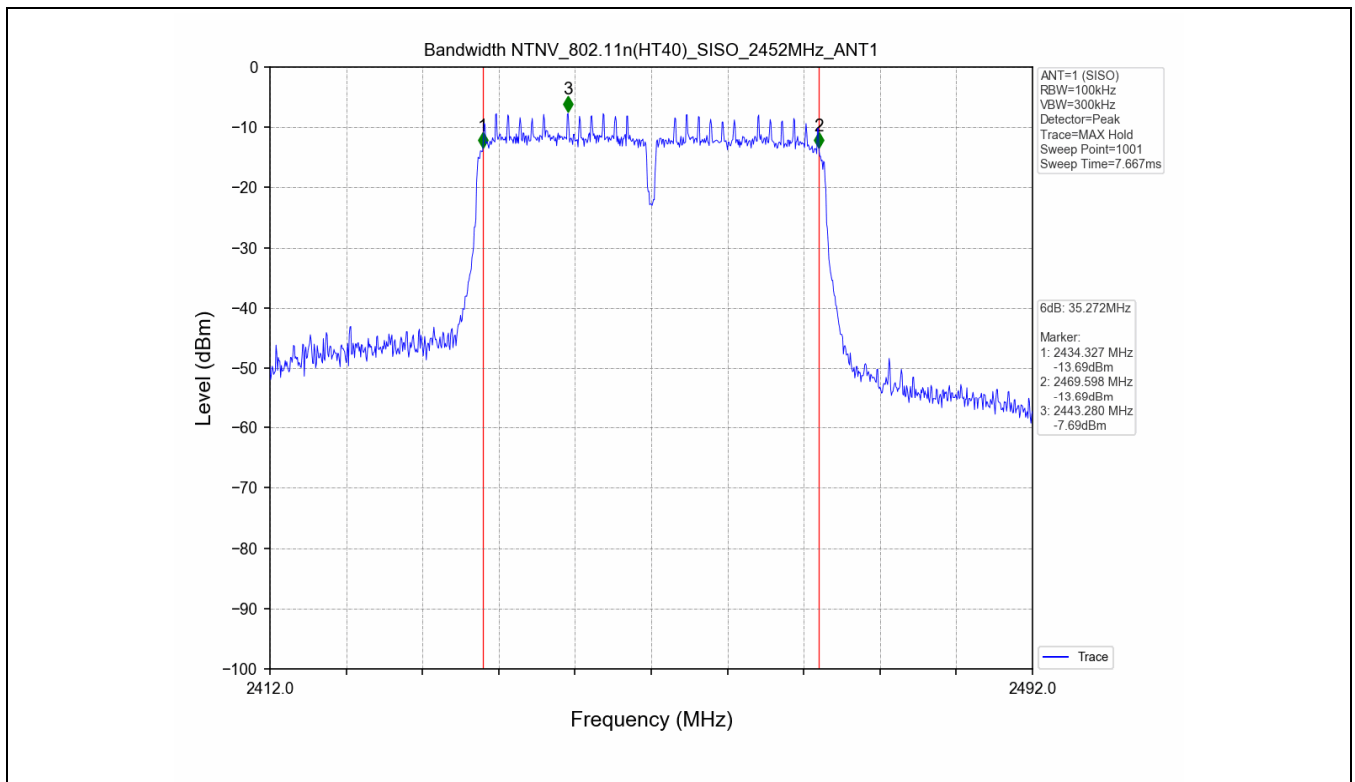




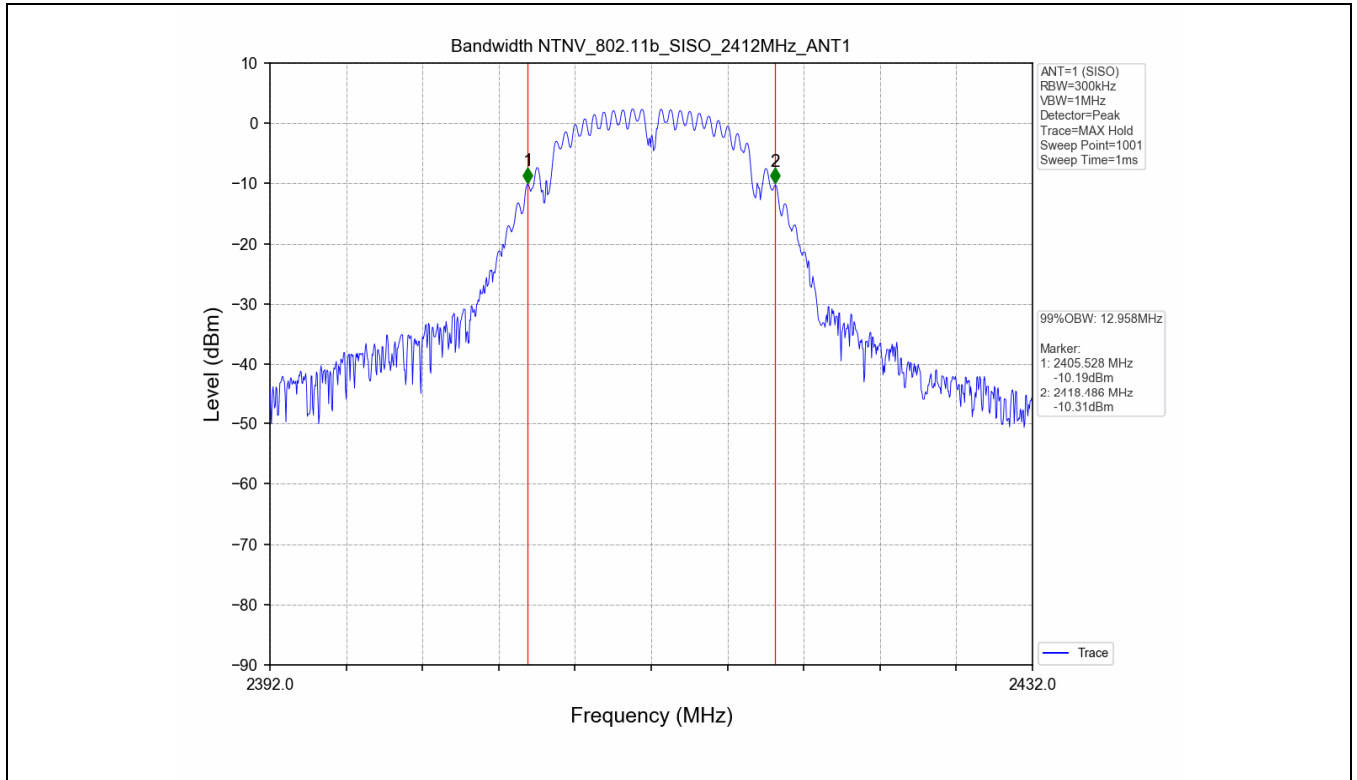




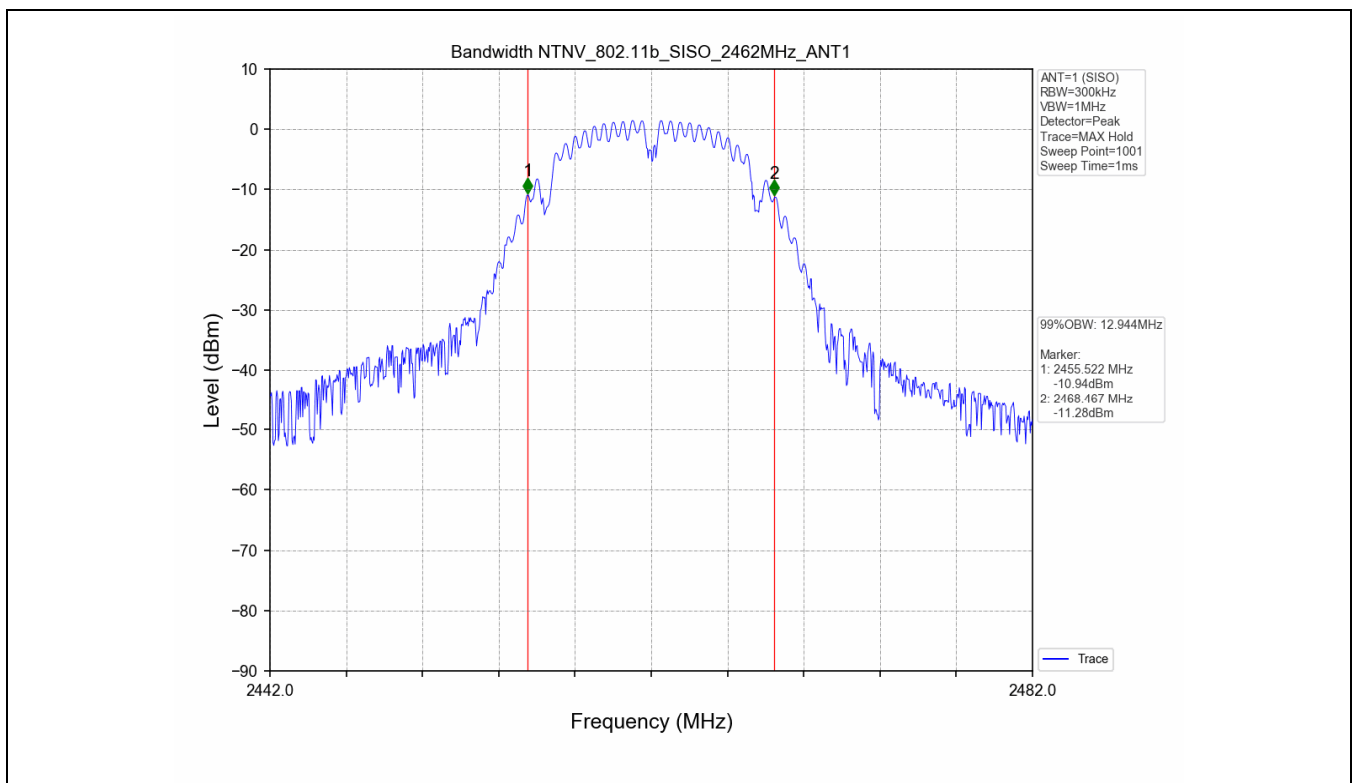
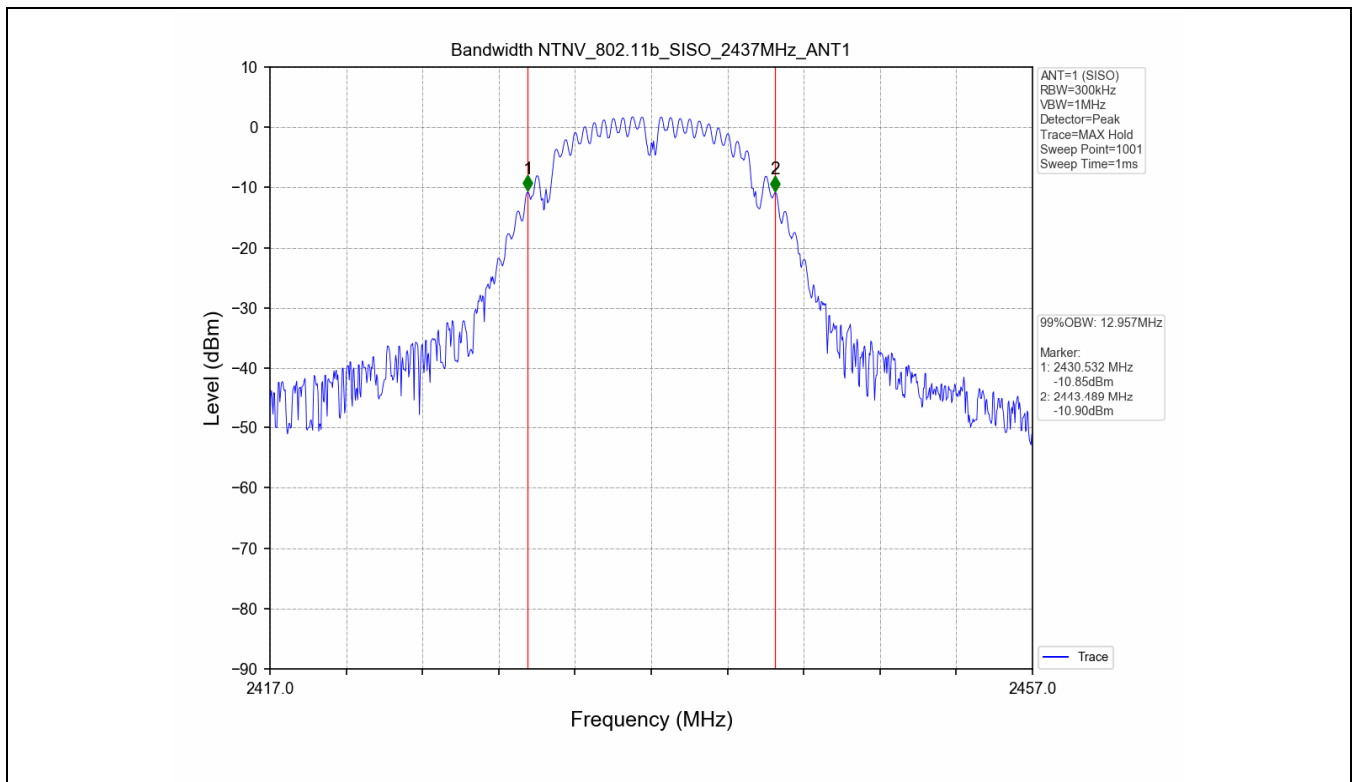


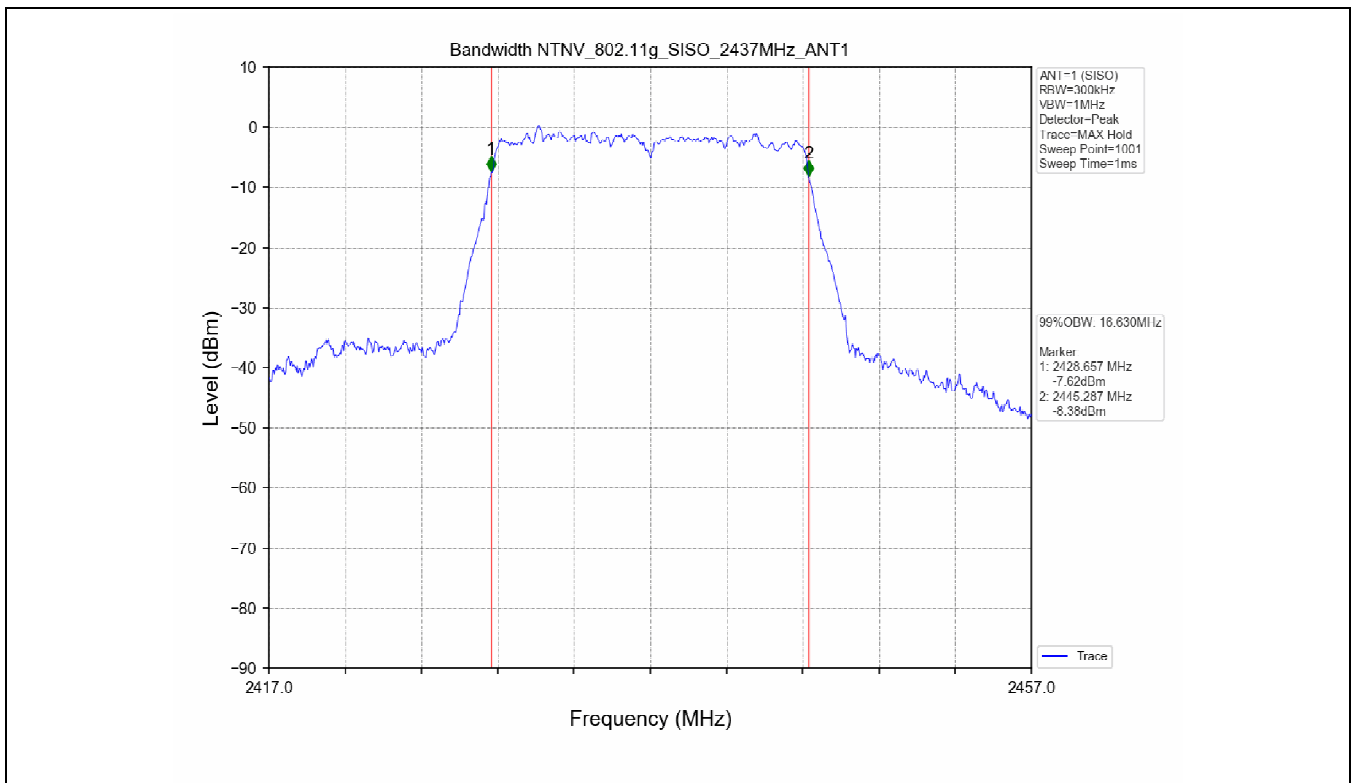
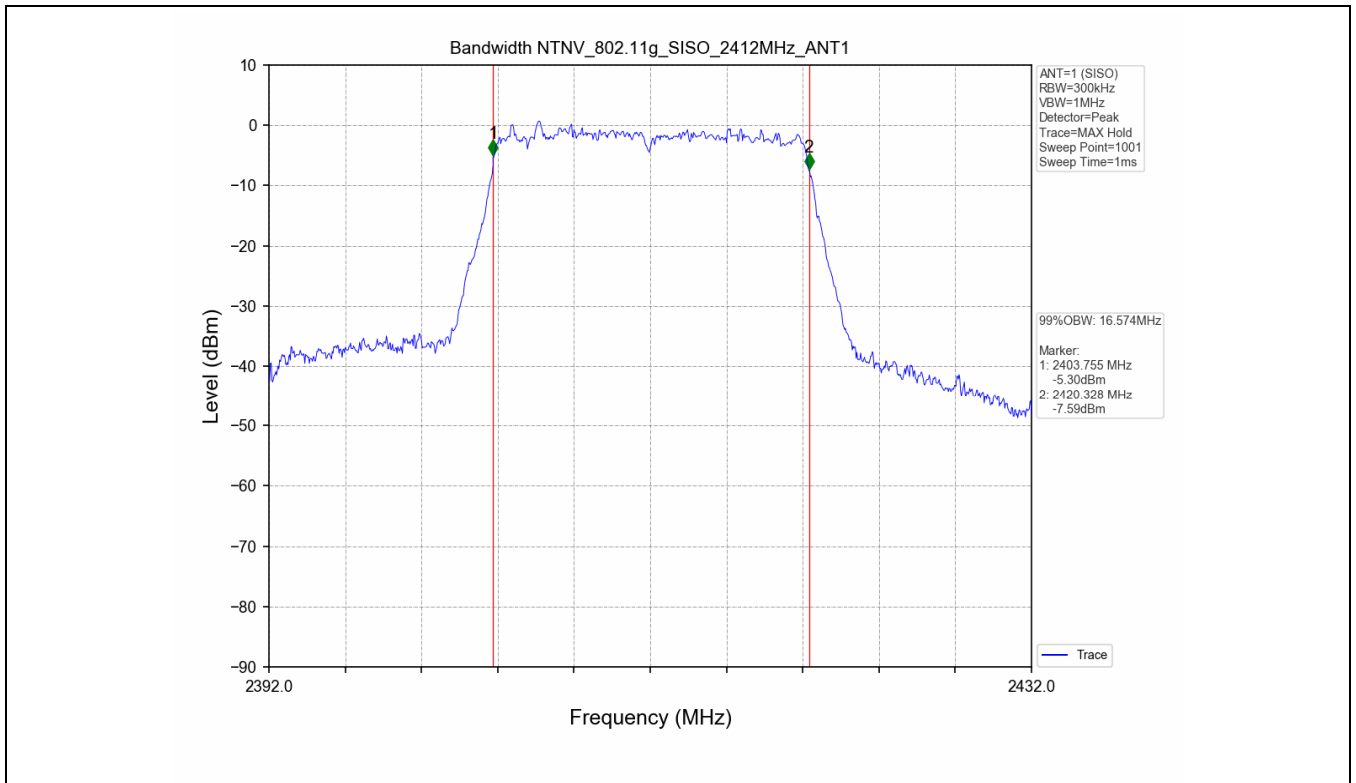


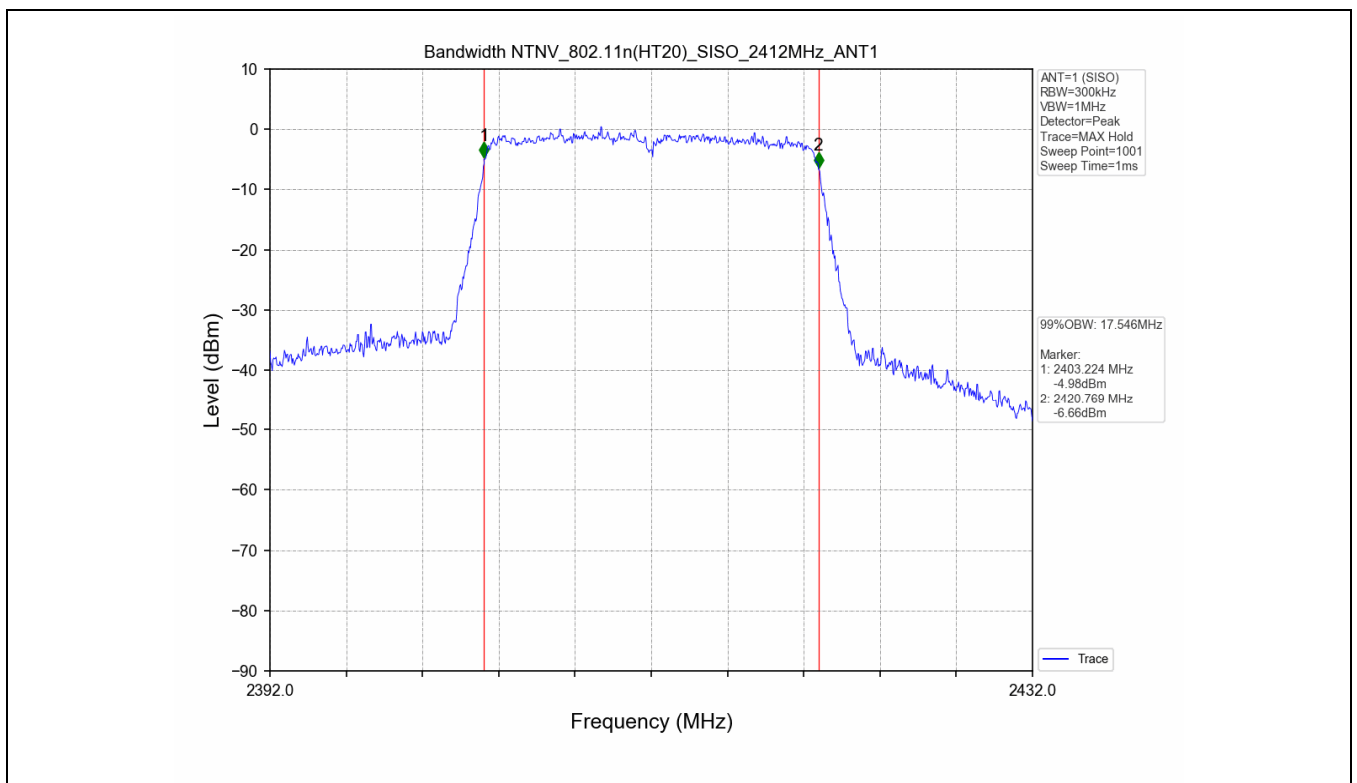
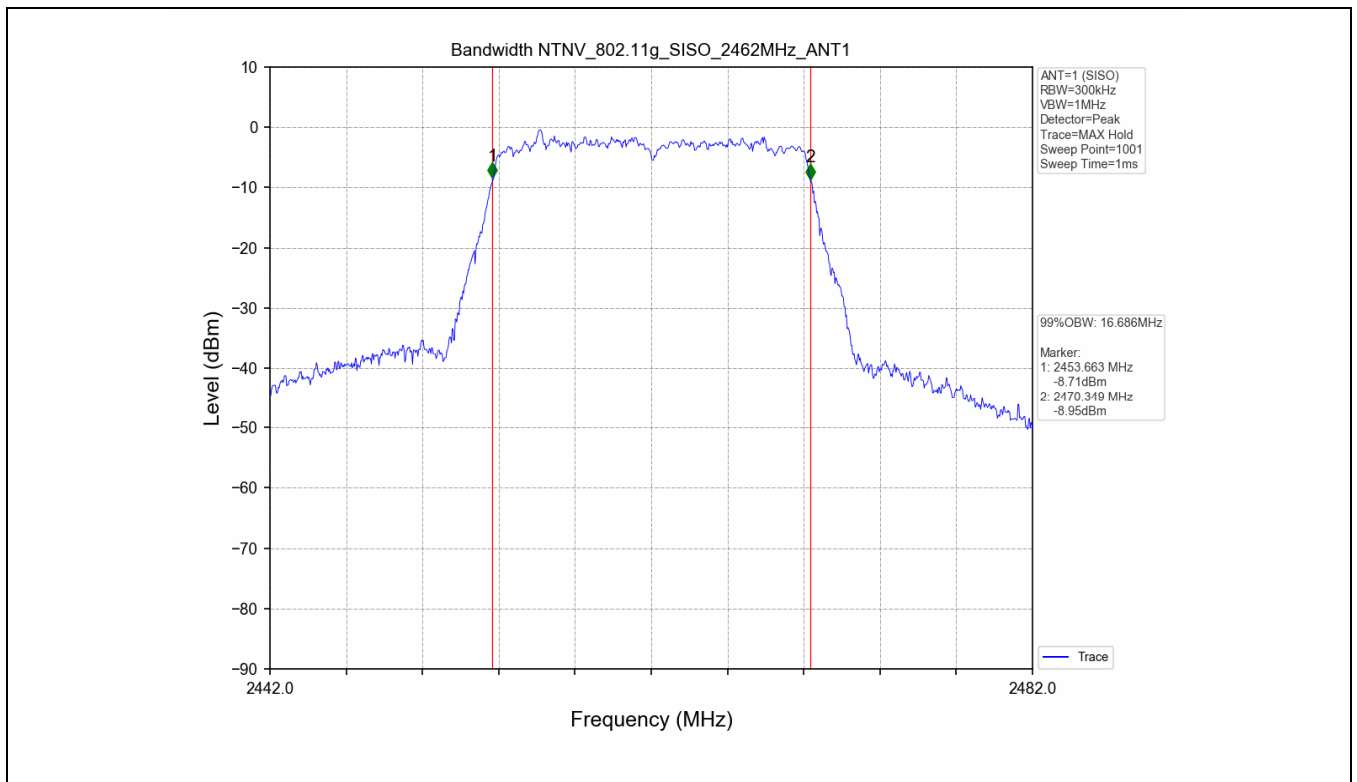
### 2.3 Test Graph - 99% Occupied Bandwidth

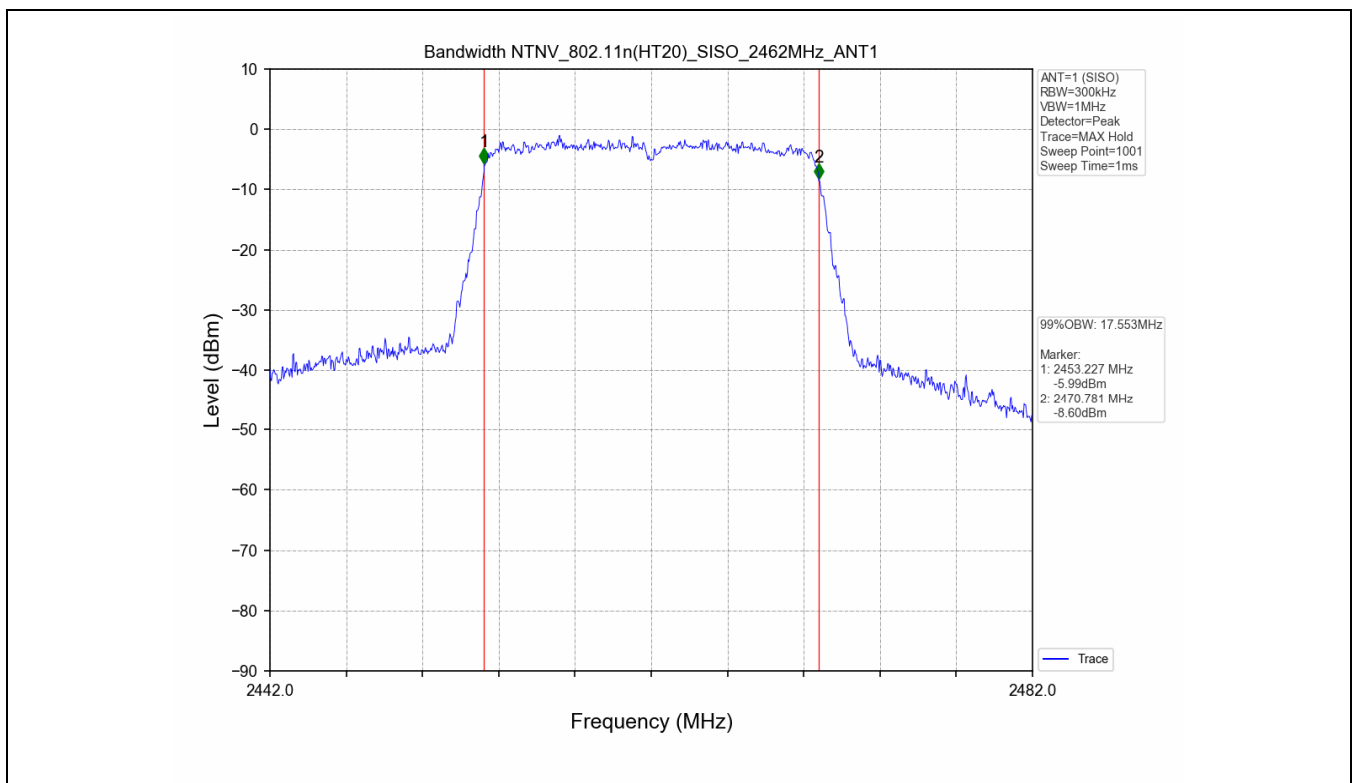
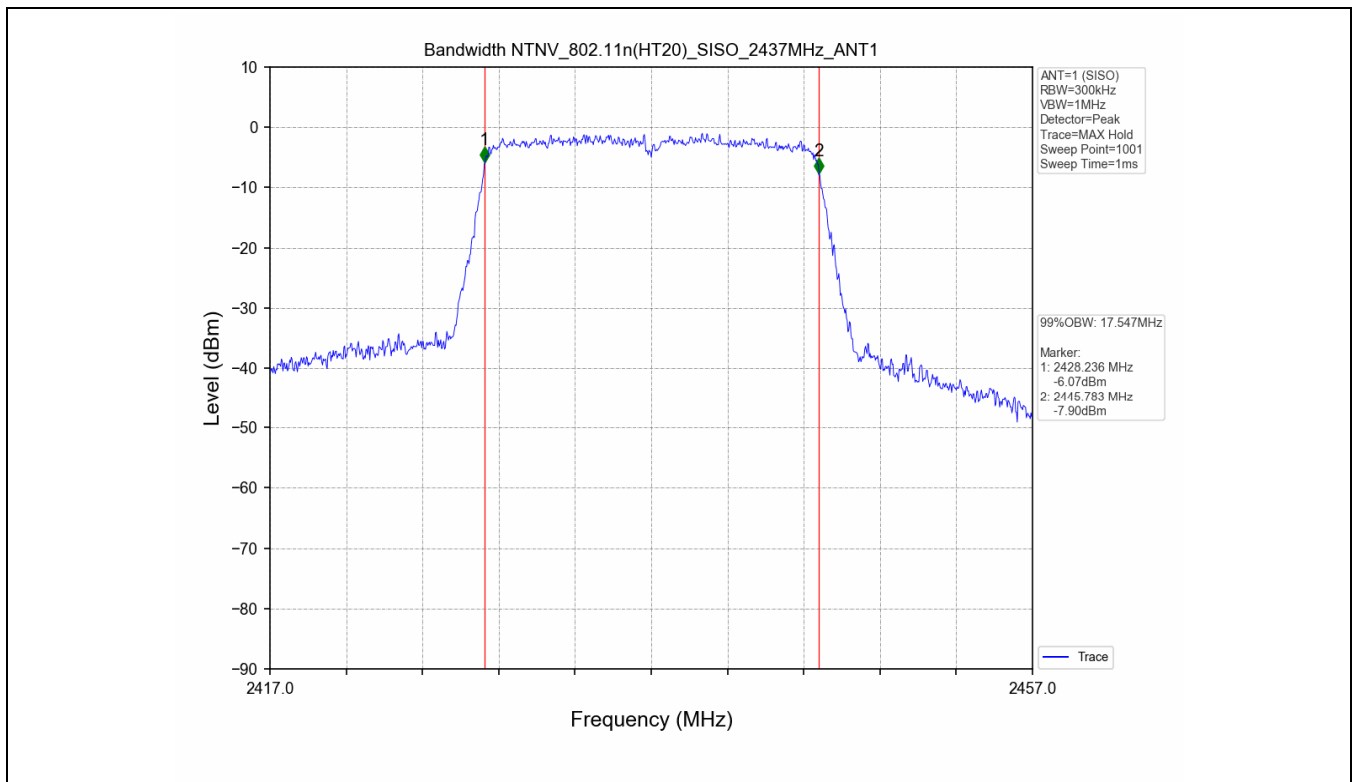




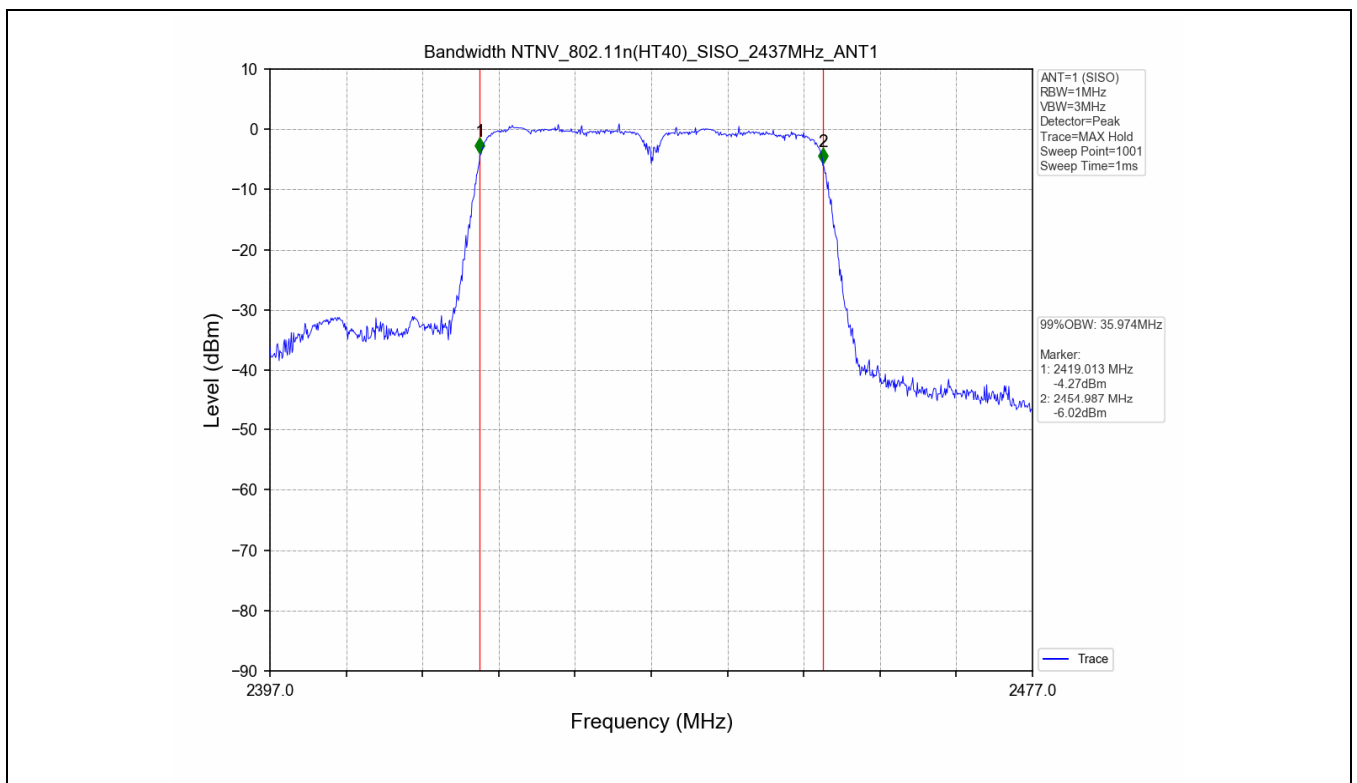
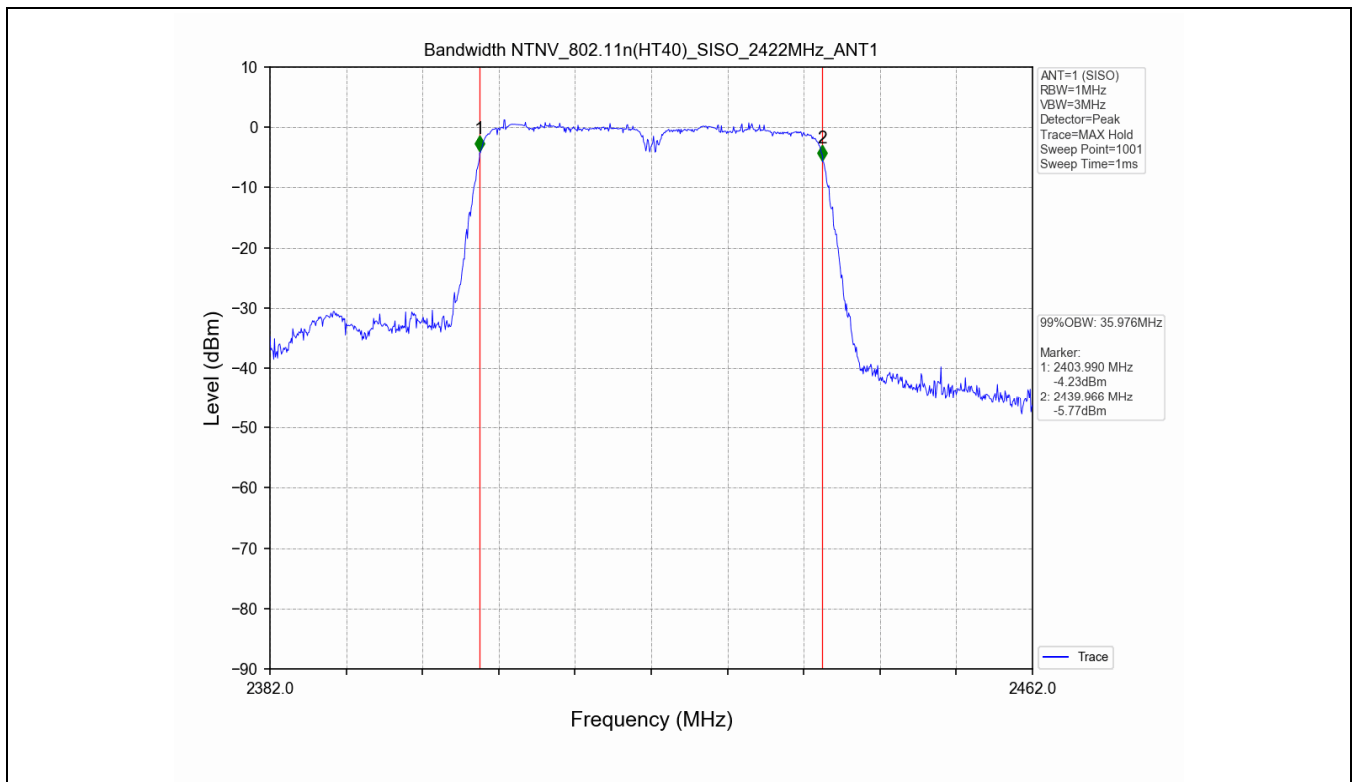


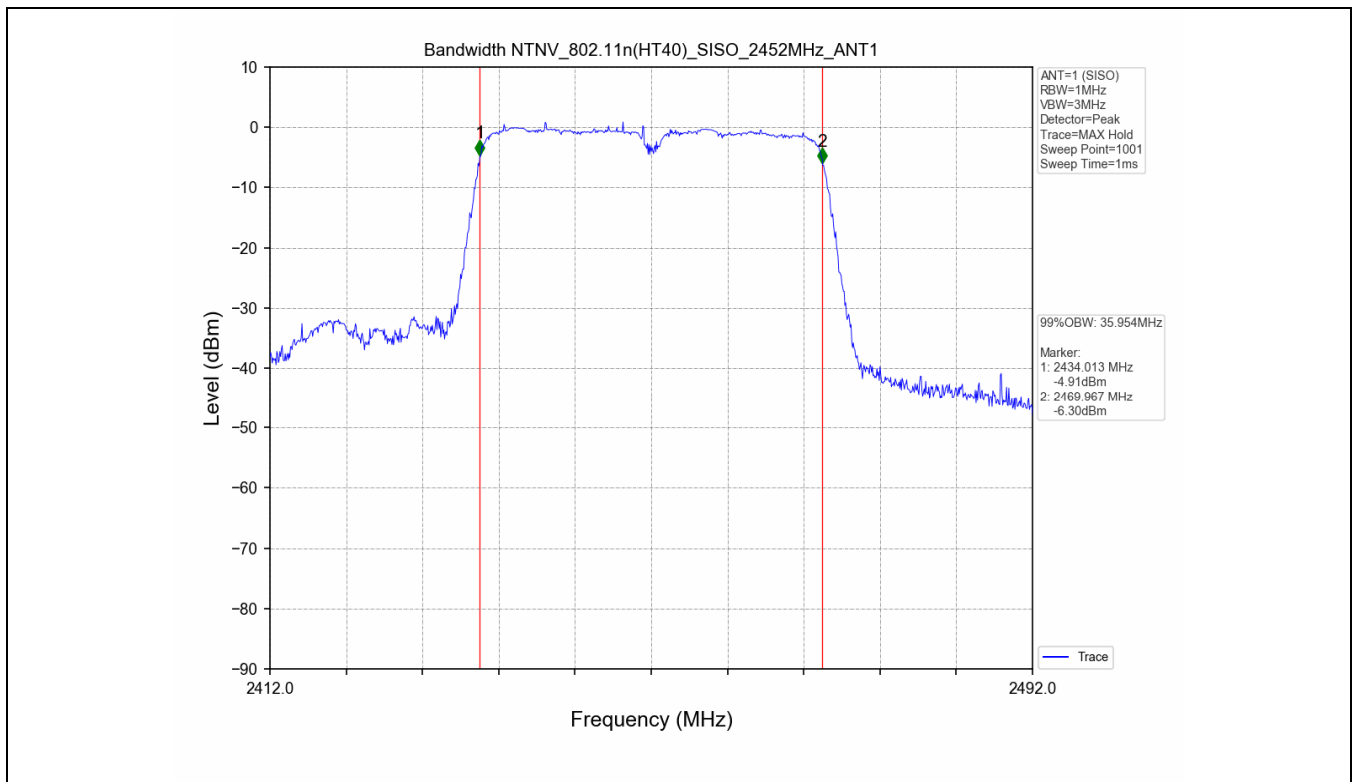










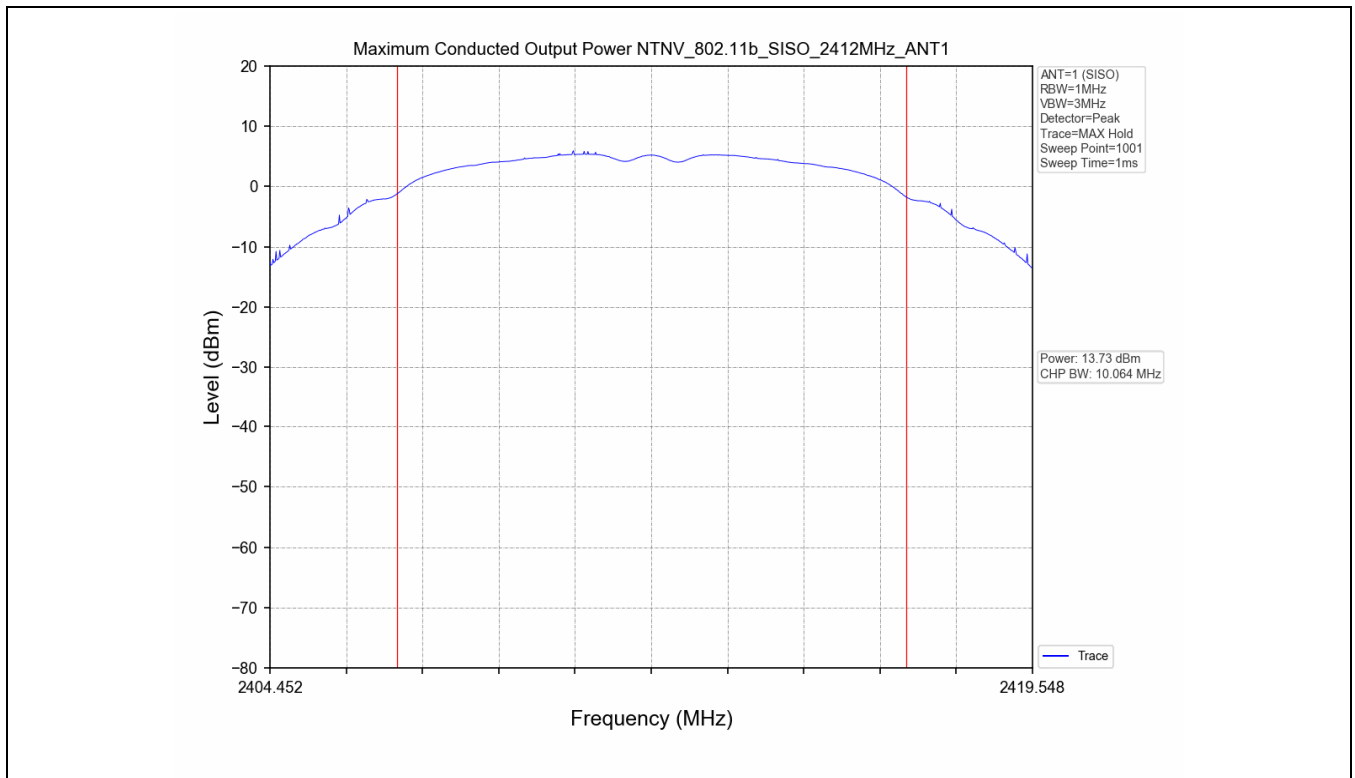


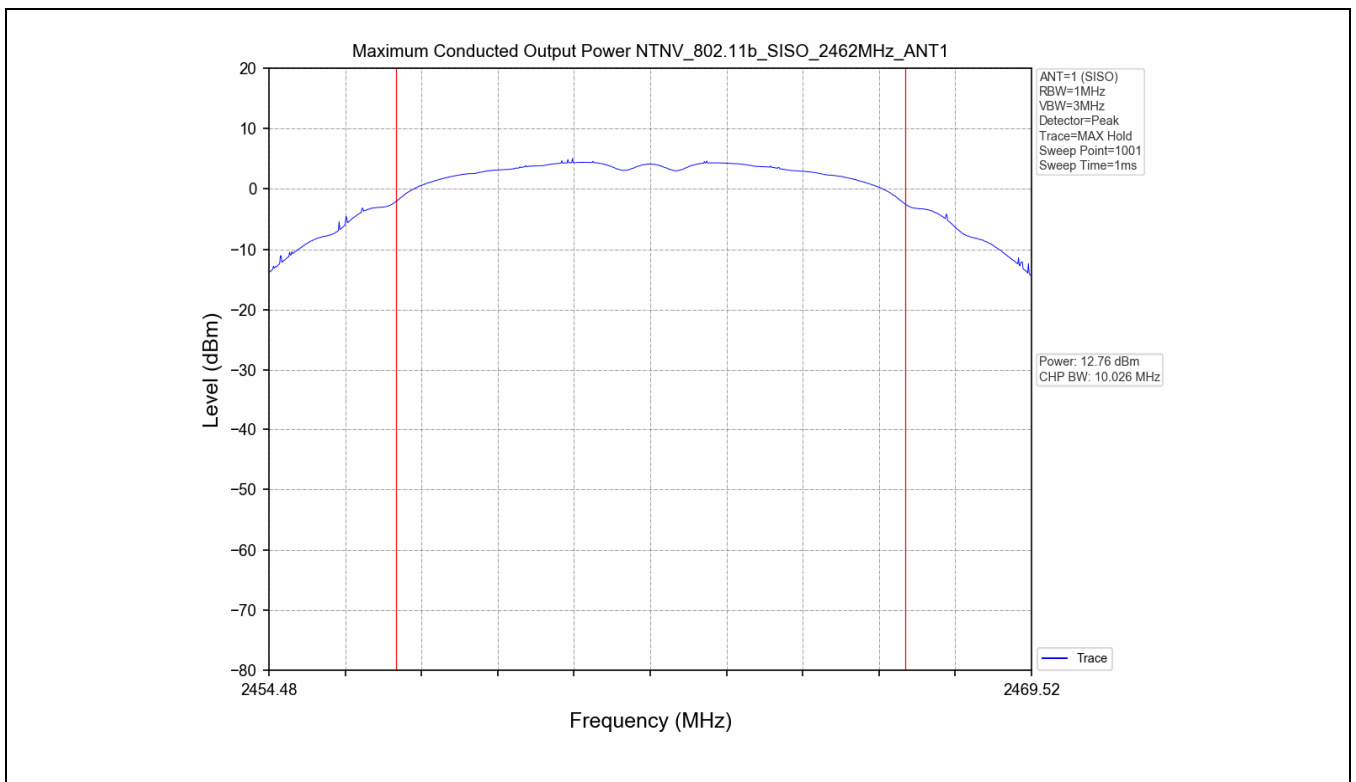
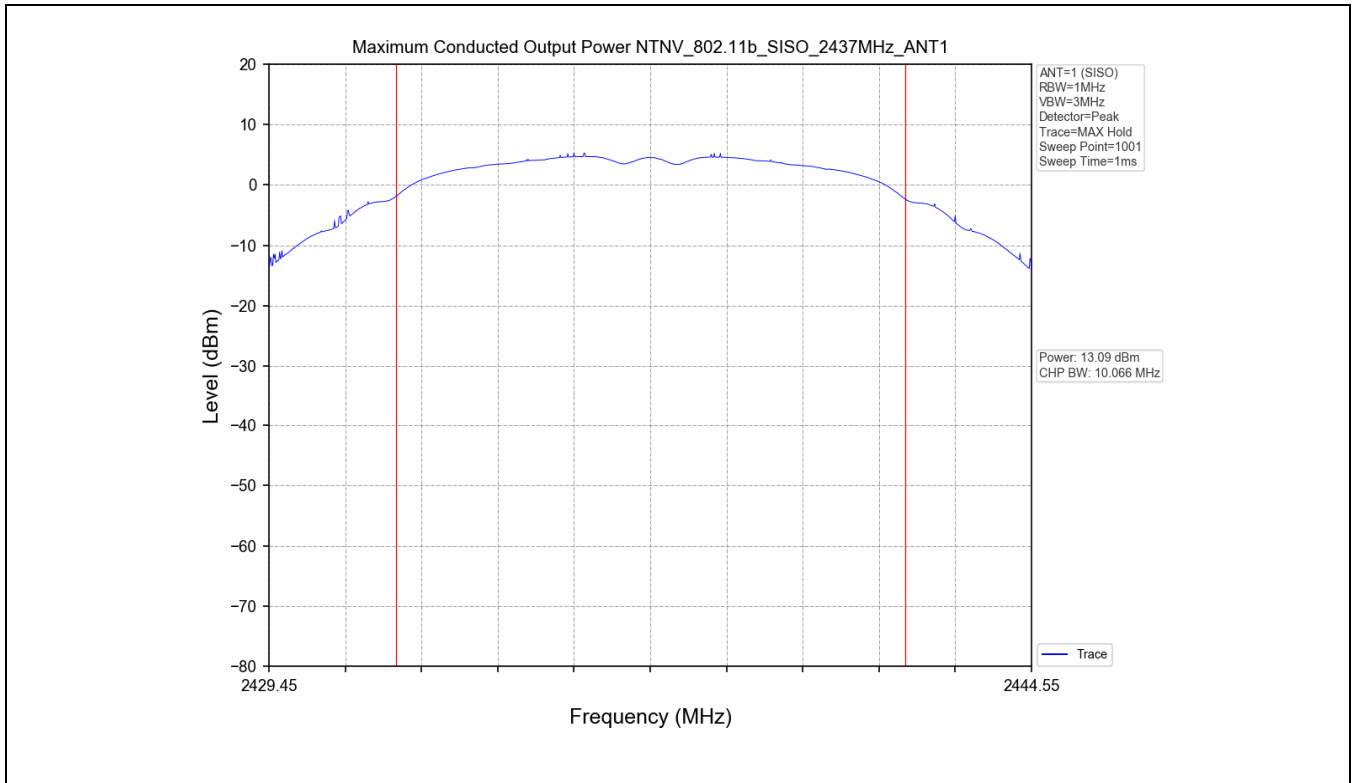
### 3. Maximum Conducted Output Power

#### 3.1 Test Result

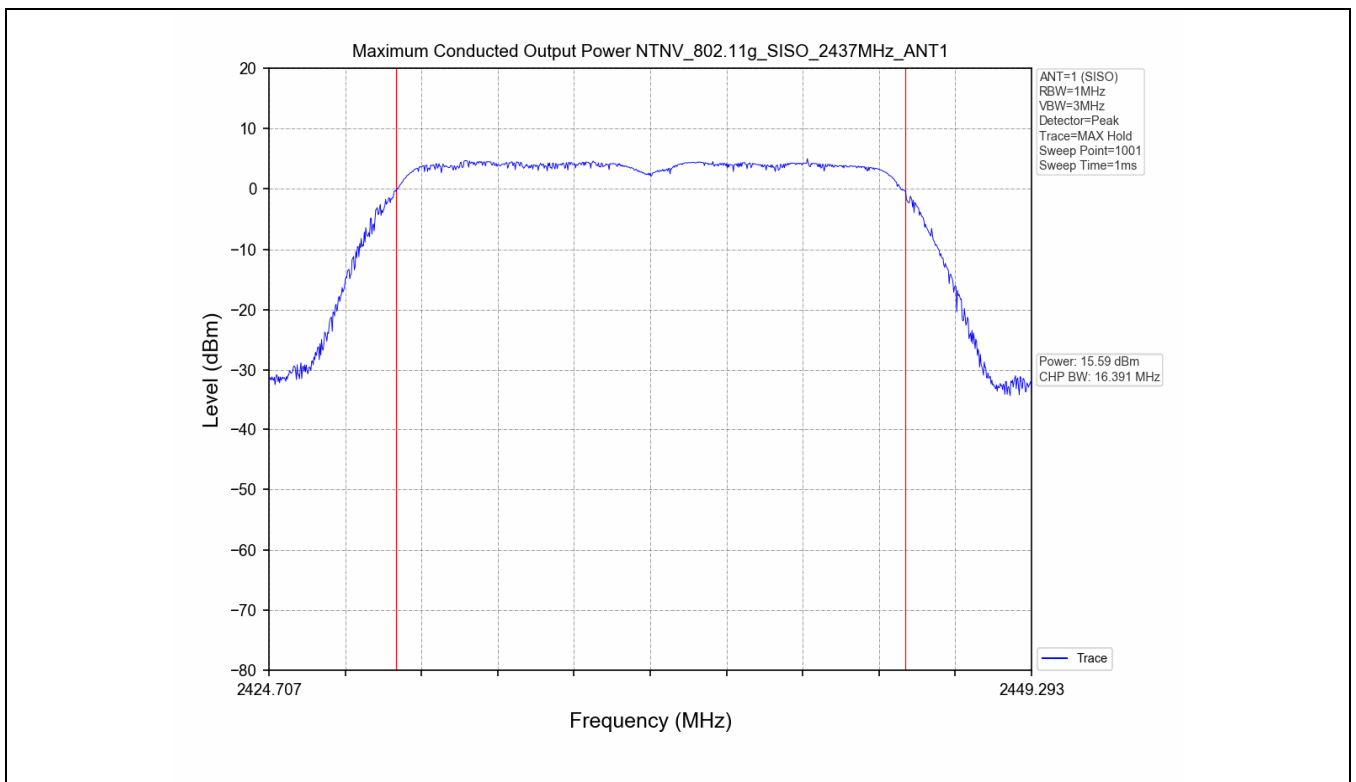
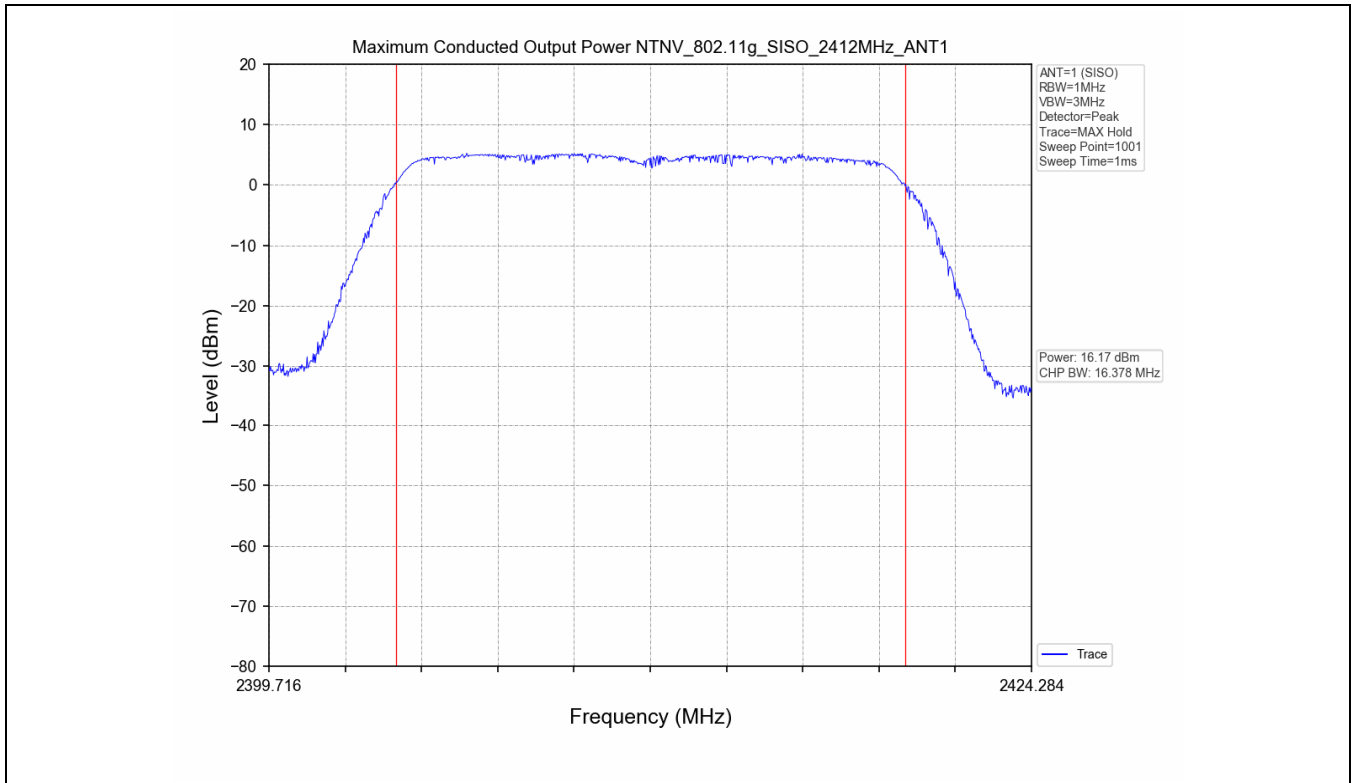
Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)	Limits (dBm)	Verdict
			Ant 1		
802.11b	2412	SISO	13.73	30	PASS
	2437	SISO	13.09	30	PASS
	2462	SISO	12.76	30	PASS
802.11g	2412	SISO	16.17	30	PASS
	2437	SISO	15.59	30	PASS
	2462	SISO	15.16	30	PASS
802.11n(HT20)	2412	SISO	16.27	30	PASS
	2437	SISO	15.47	30	PASS
	2462	SISO	14.98	30	PASS
802.11n(HT40)	2422	SISO	14.59	30	PASS
	2437	SISO	14.42	30	PASS
	2452	SISO	14.06	30	PASS

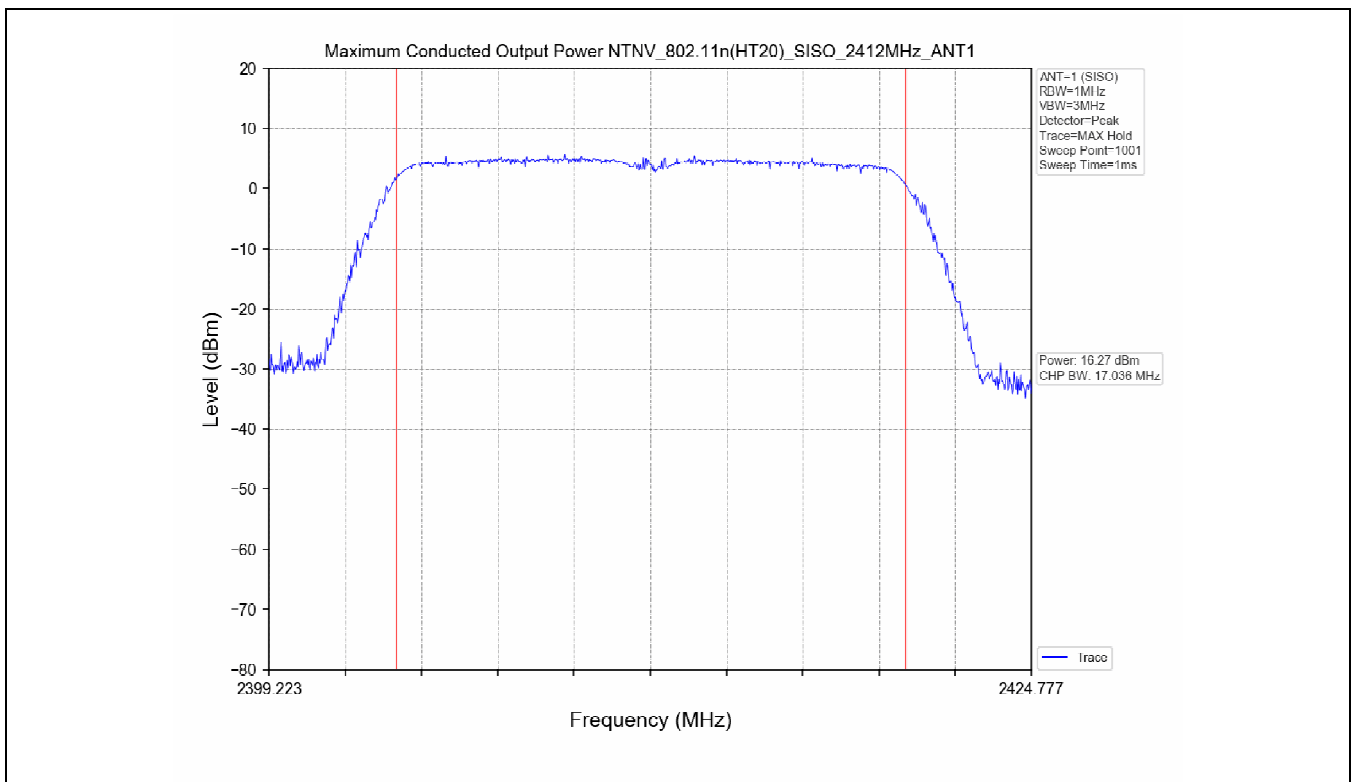
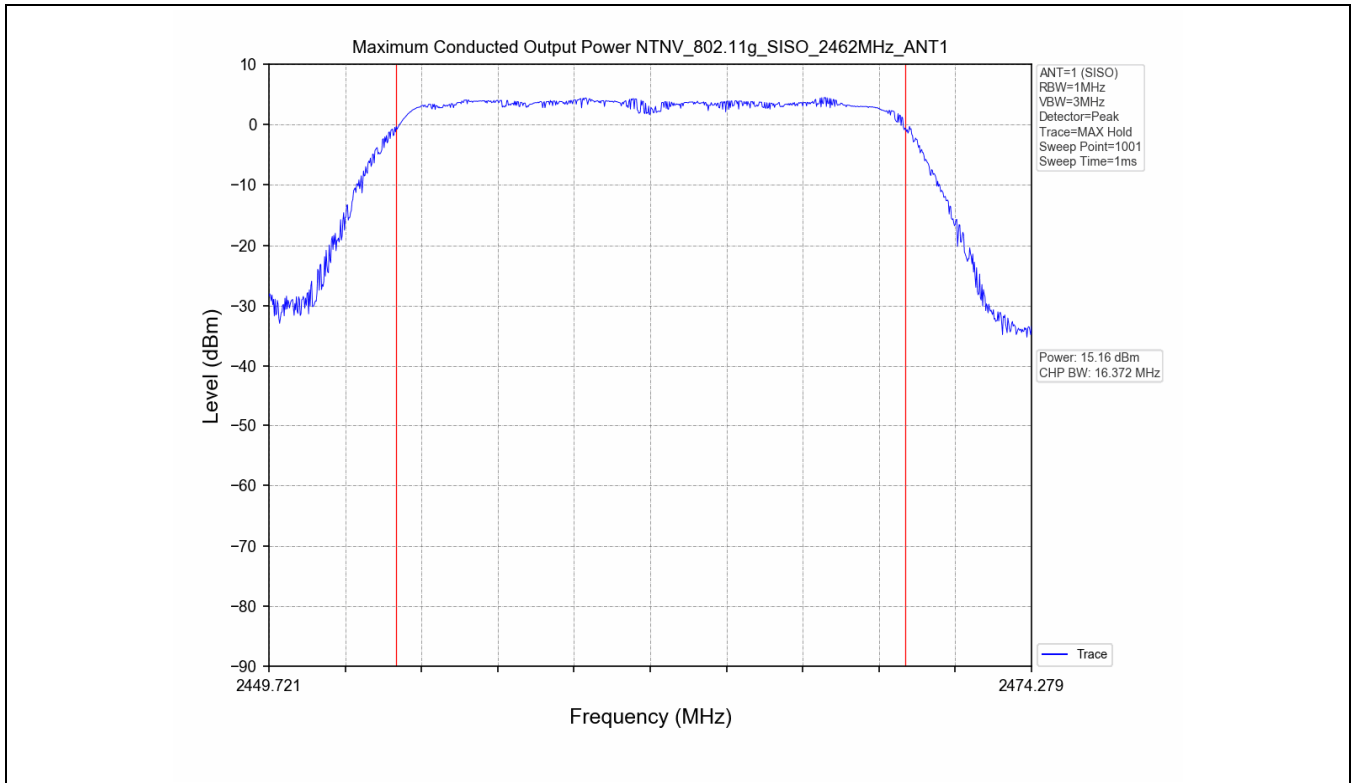
#### 3.2 Test Graph

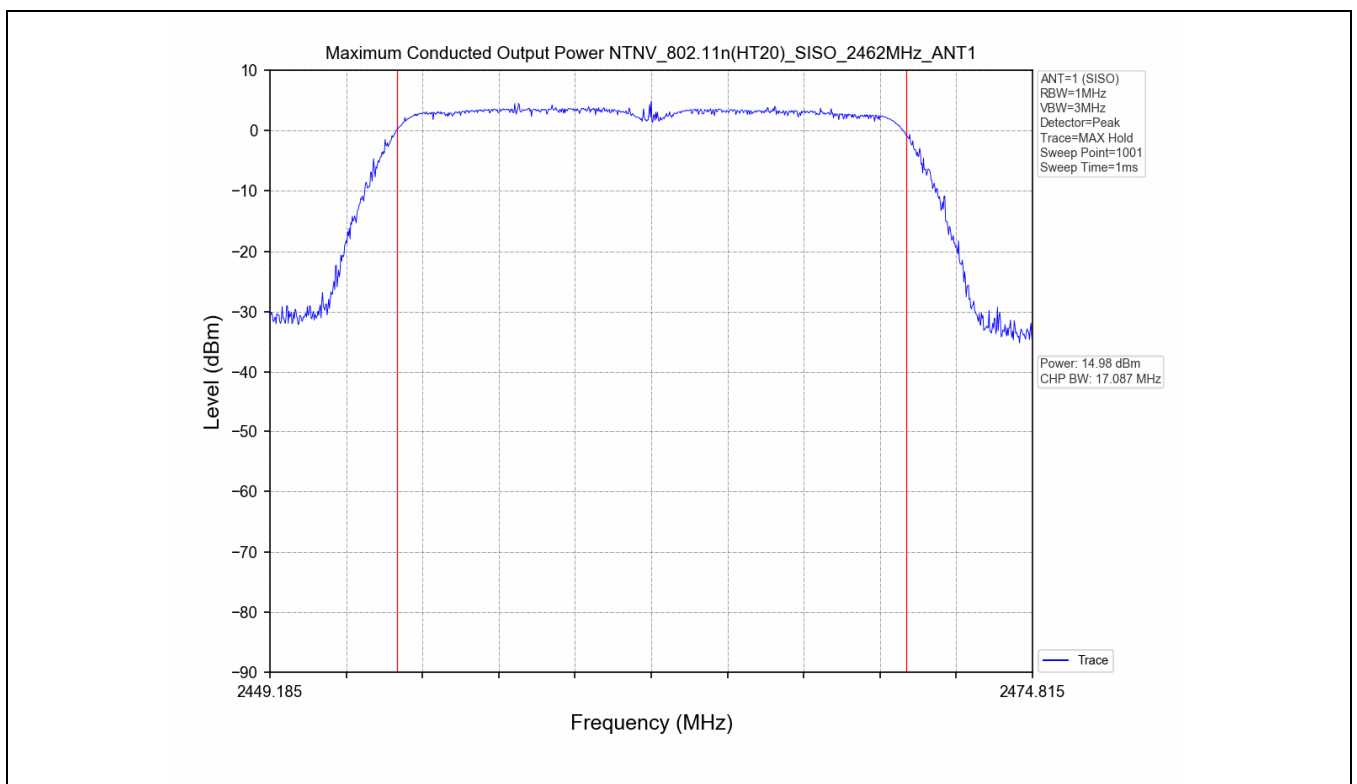
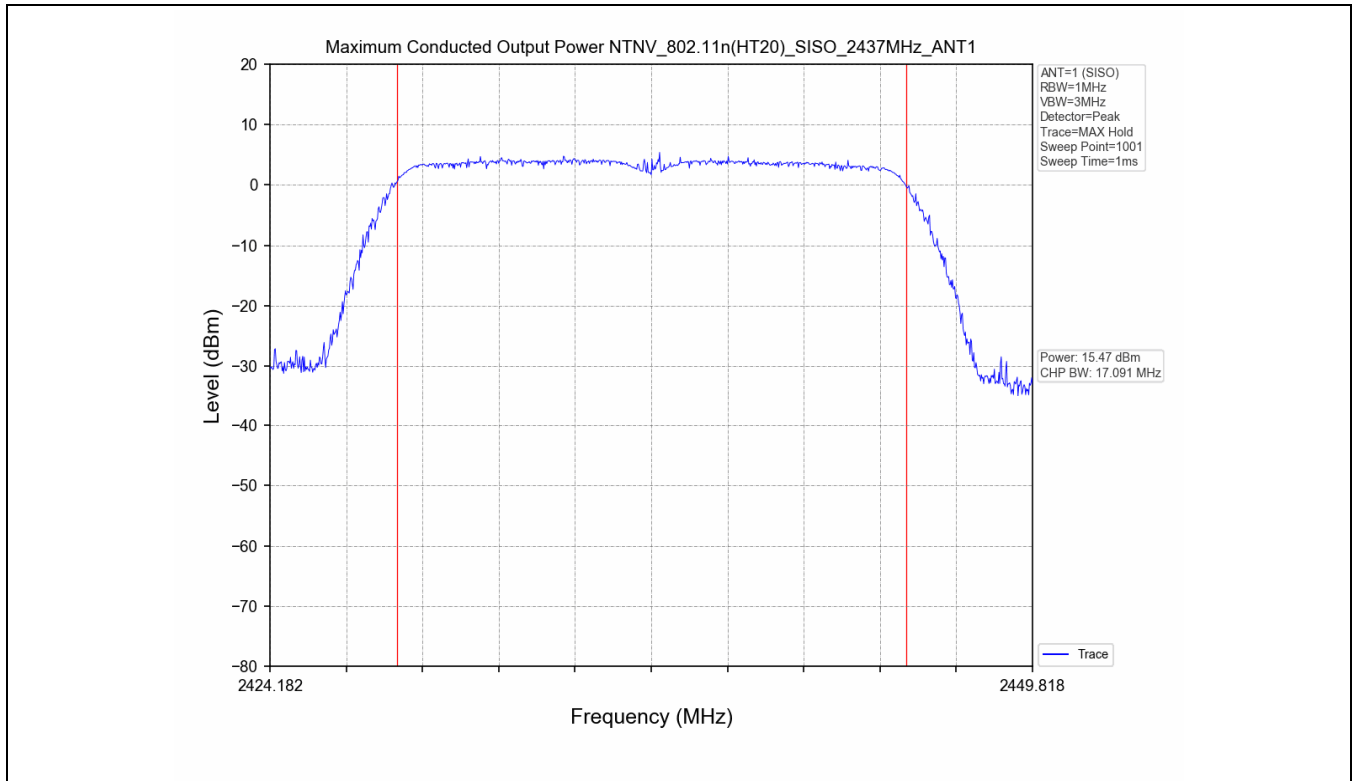


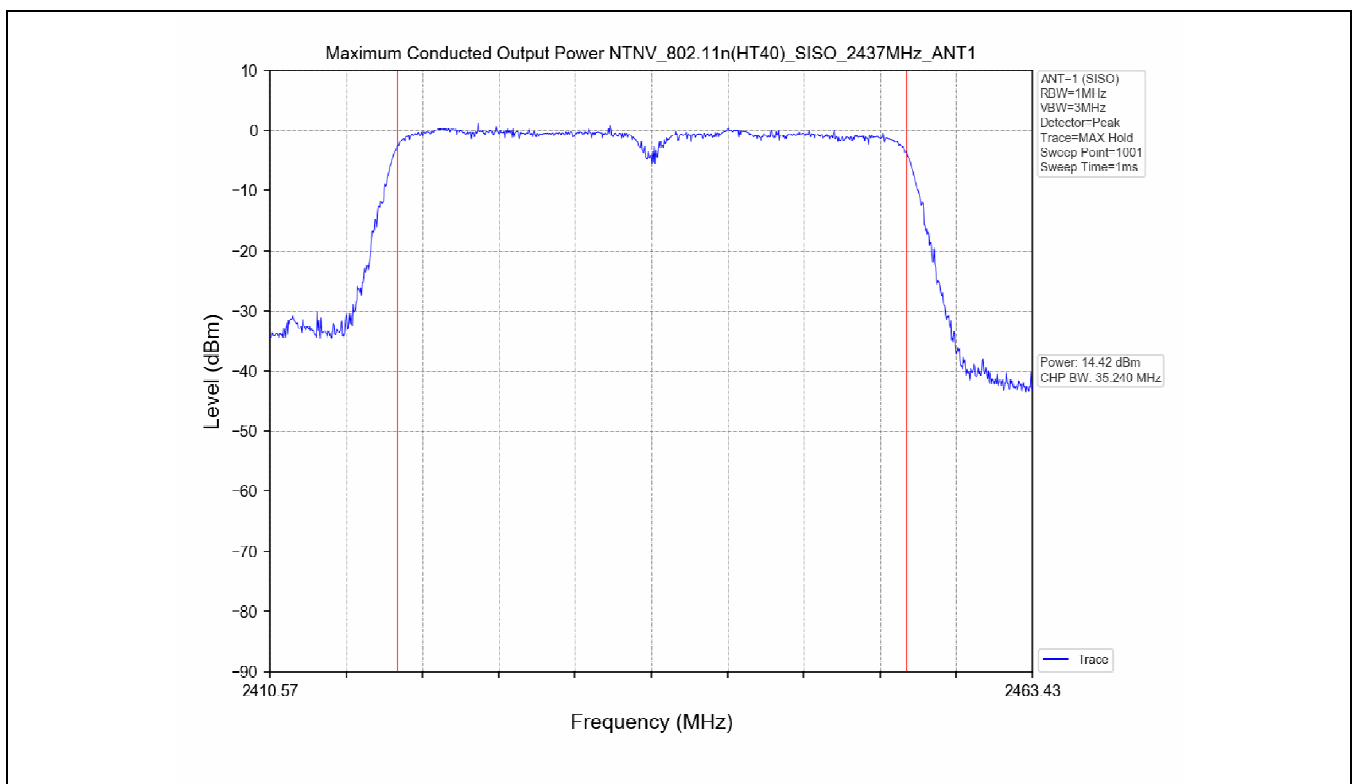
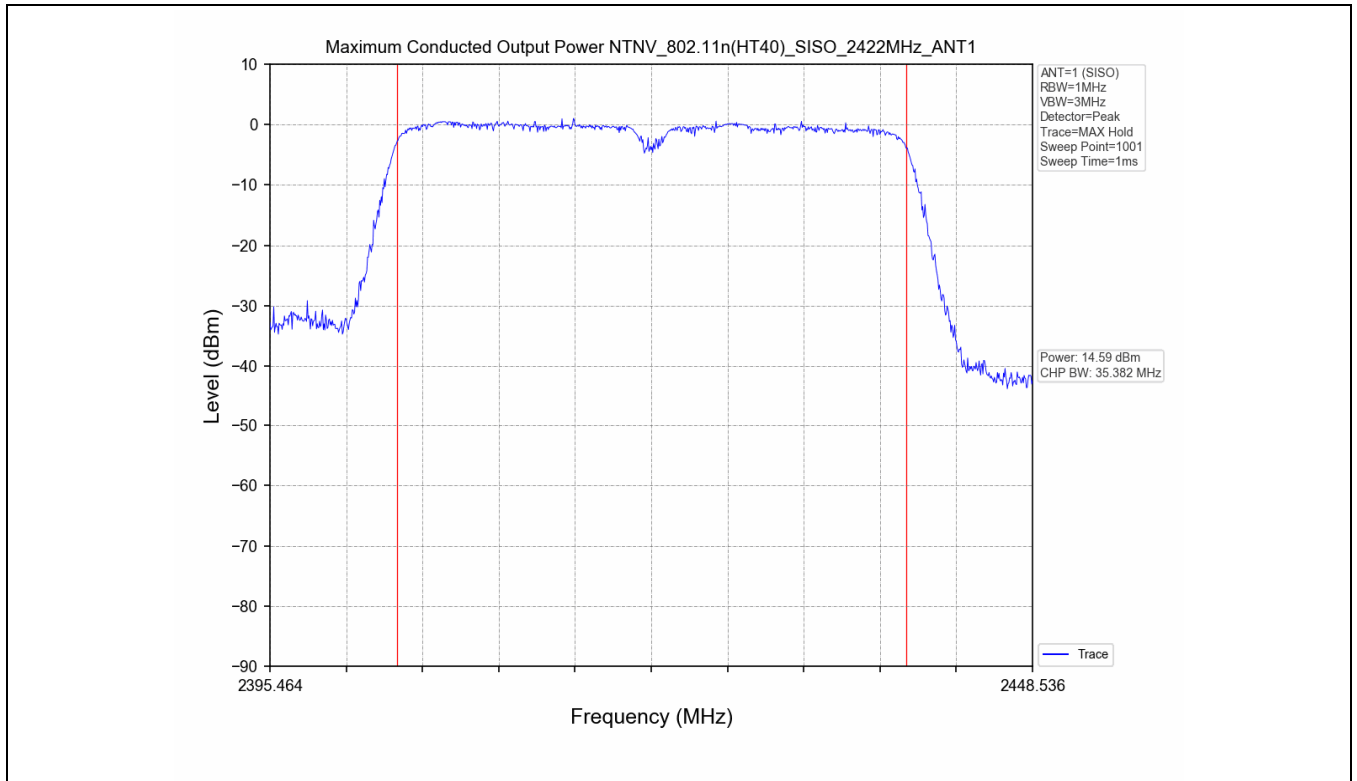




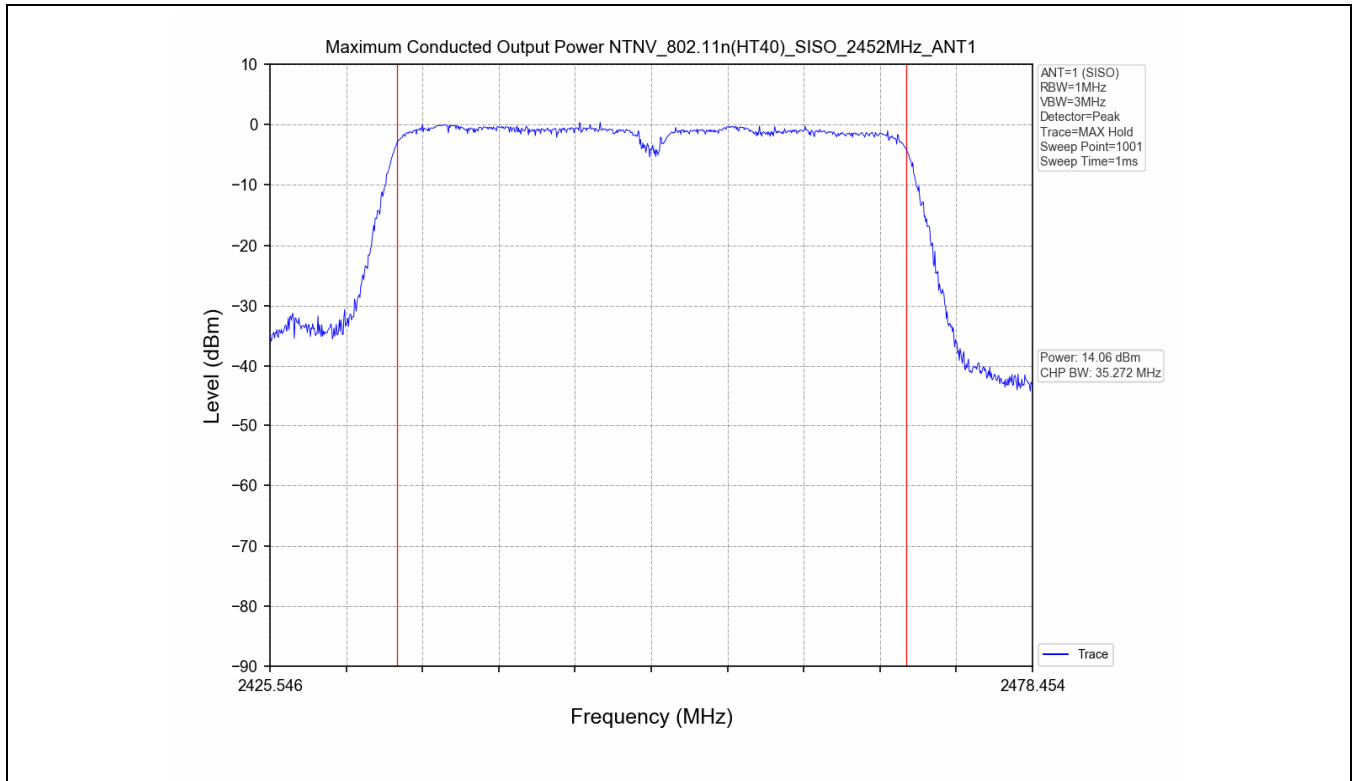










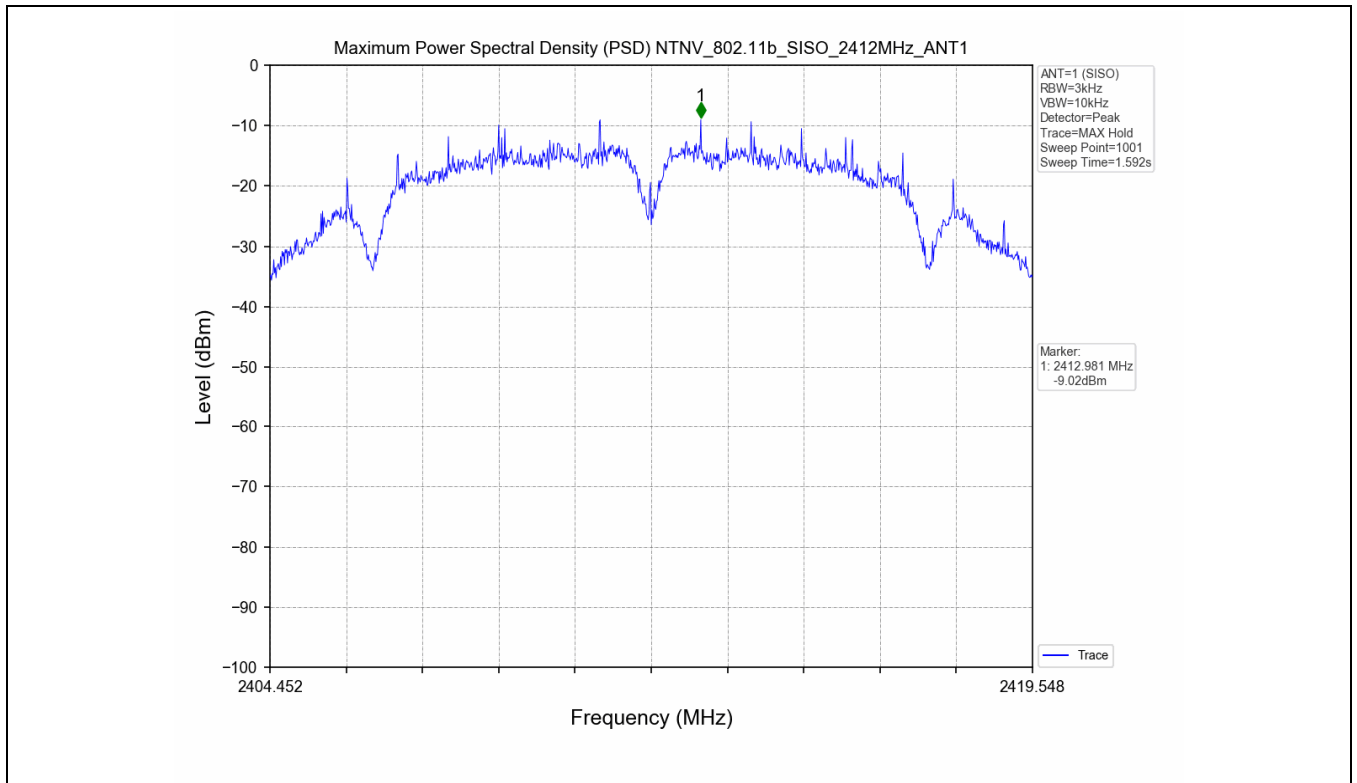


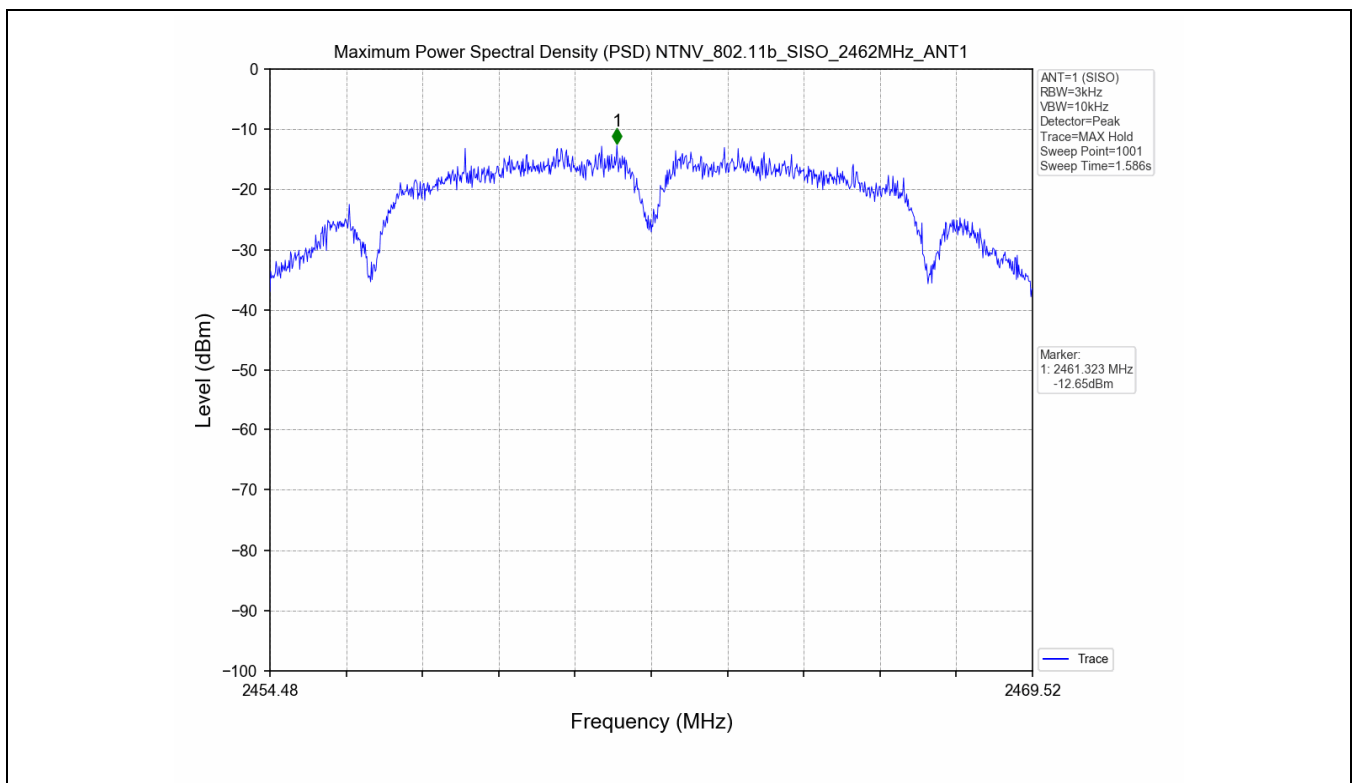
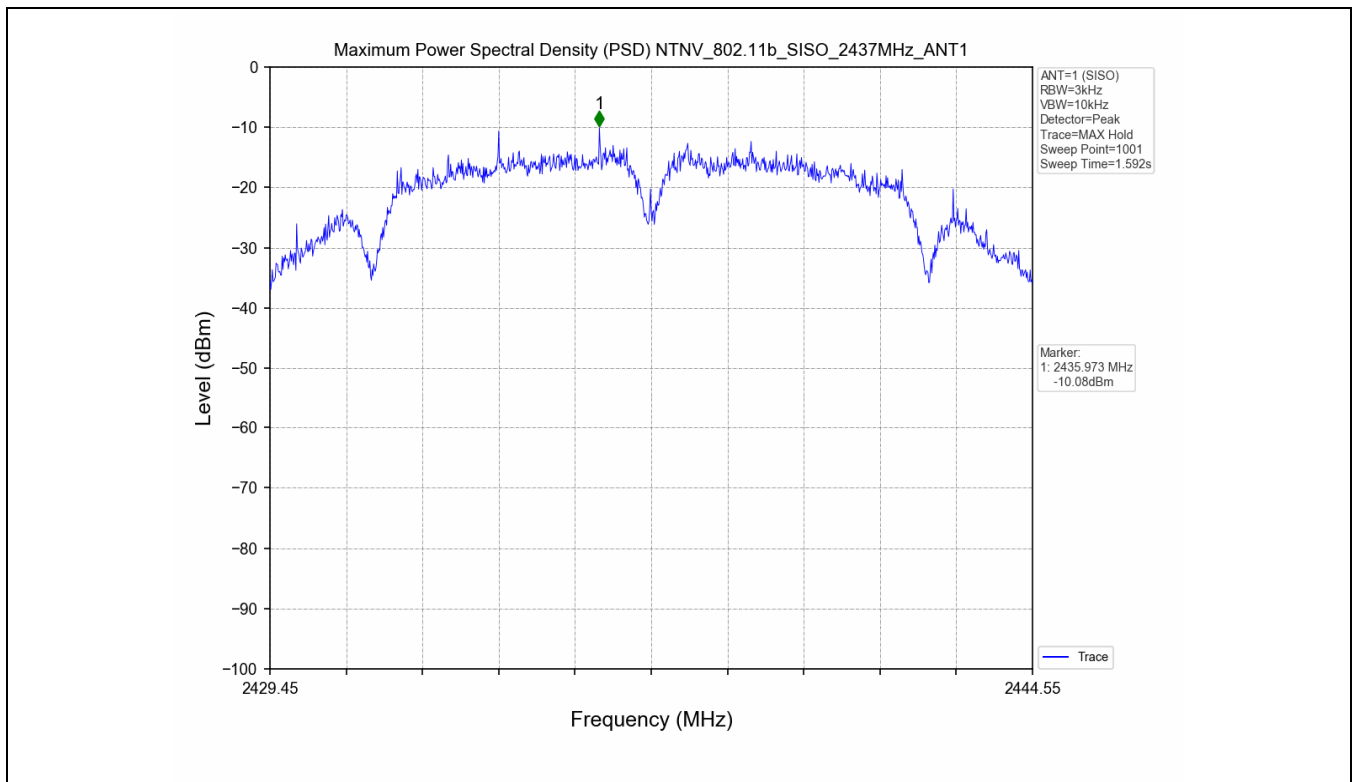
## 4. Maximum Power Spectral Density (PSD)

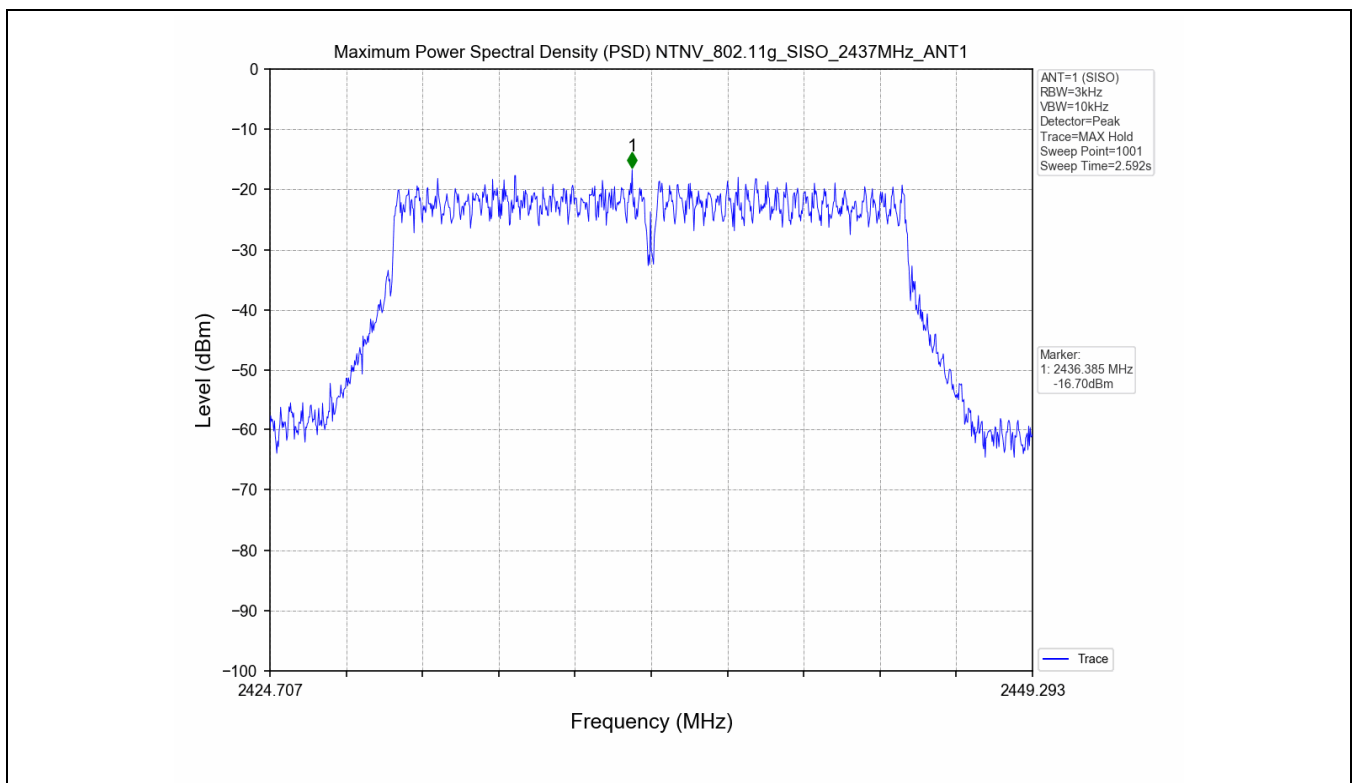
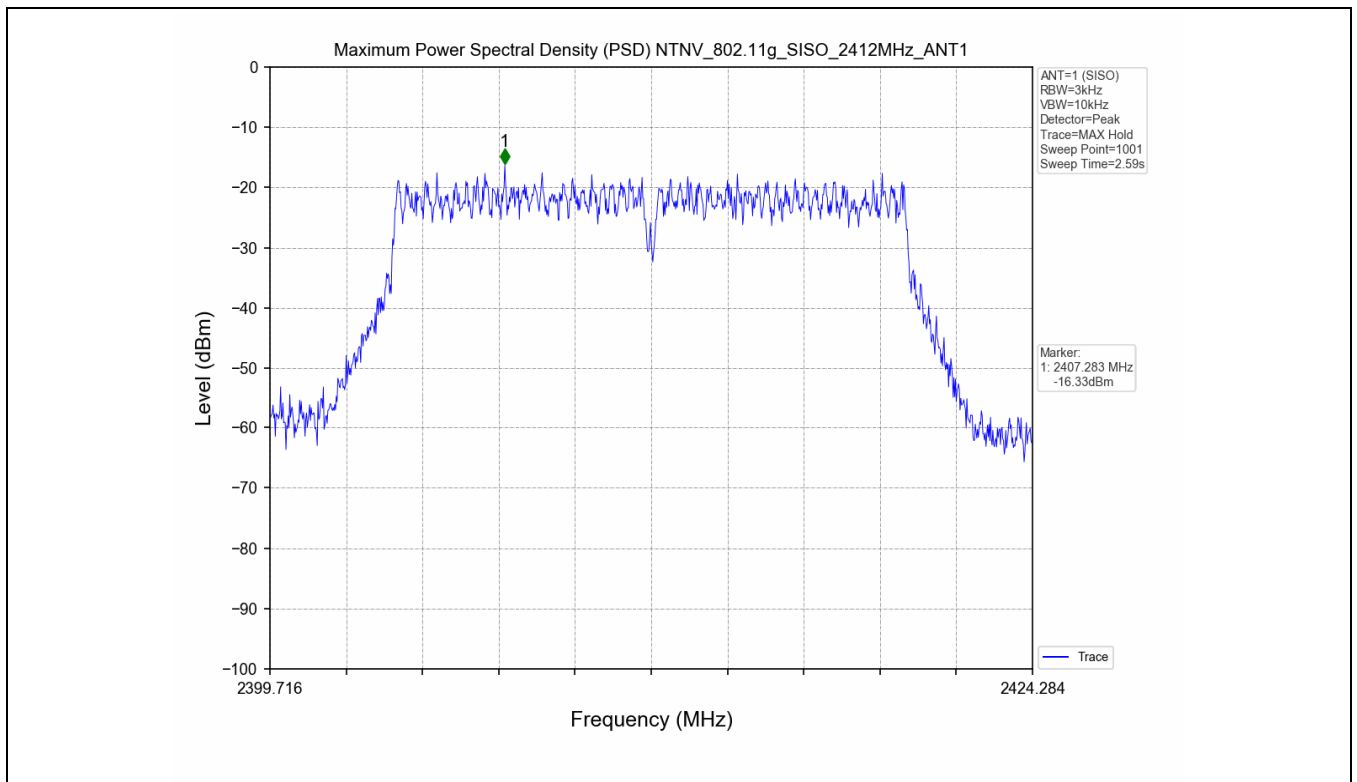
### 4.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/3KHz)	Limits (dBm/3kHz)	Verdict
			Ant 1		
802.11b	2412	SISO	-9.02	≤8	PASS
	2437	SISO	-10.08	≤8	PASS
	2462	SISO	-12.65	≤8	PASS
802.11g	2412	SISO	-16.33	≤8	PASS
	2437	SISO	-16.70	≤8	PASS
	2462	SISO	-17.30	≤8	PASS
802.11n(HT20)	2412	SISO	-16.40	≤8	PASS
	2437	SISO	-16.55	≤8	PASS
	2462	SISO	-17.67	≤8	PASS
802.11n(HT40)	2422	SISO	-20.77	≤8	PASS
	2437	SISO	-21.13	≤8	PASS
	2452	SISO	-22.06	≤8	PASS

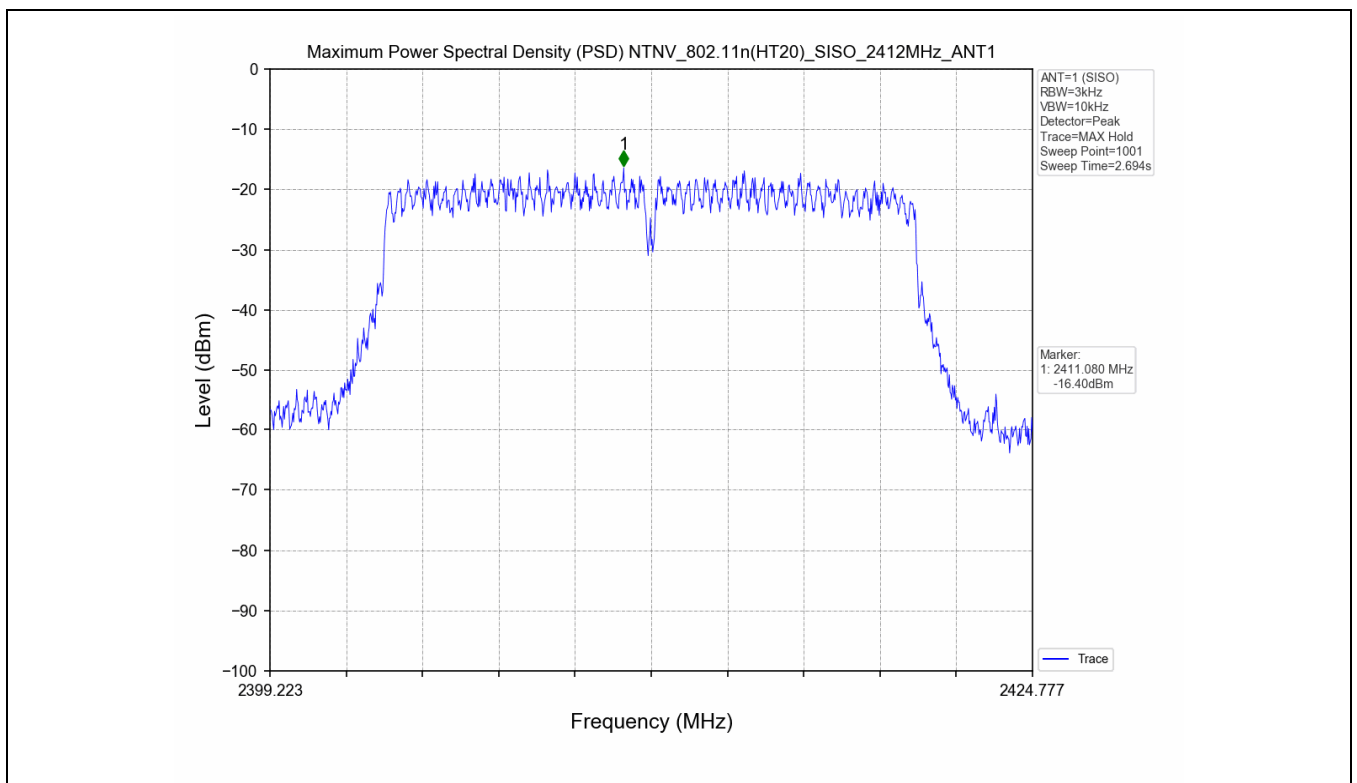
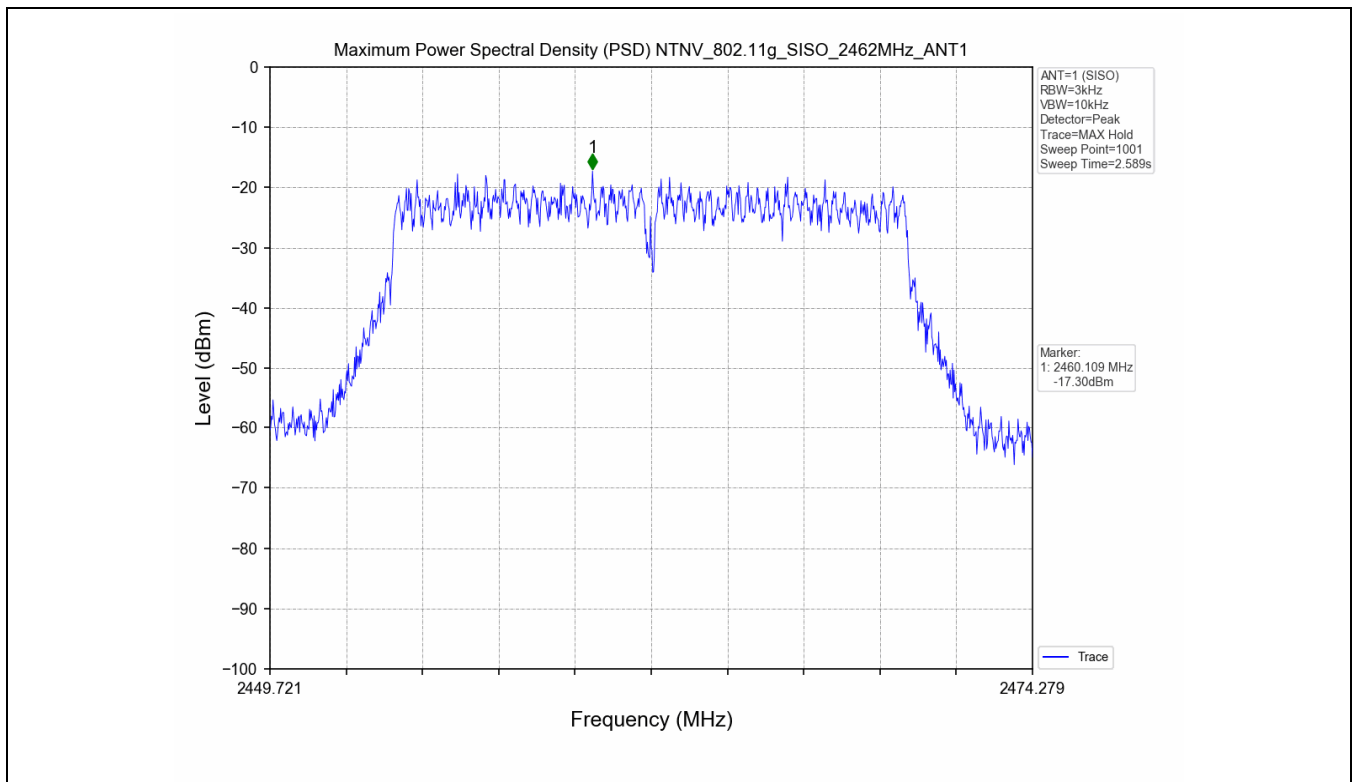
### 4.2 Test Graph

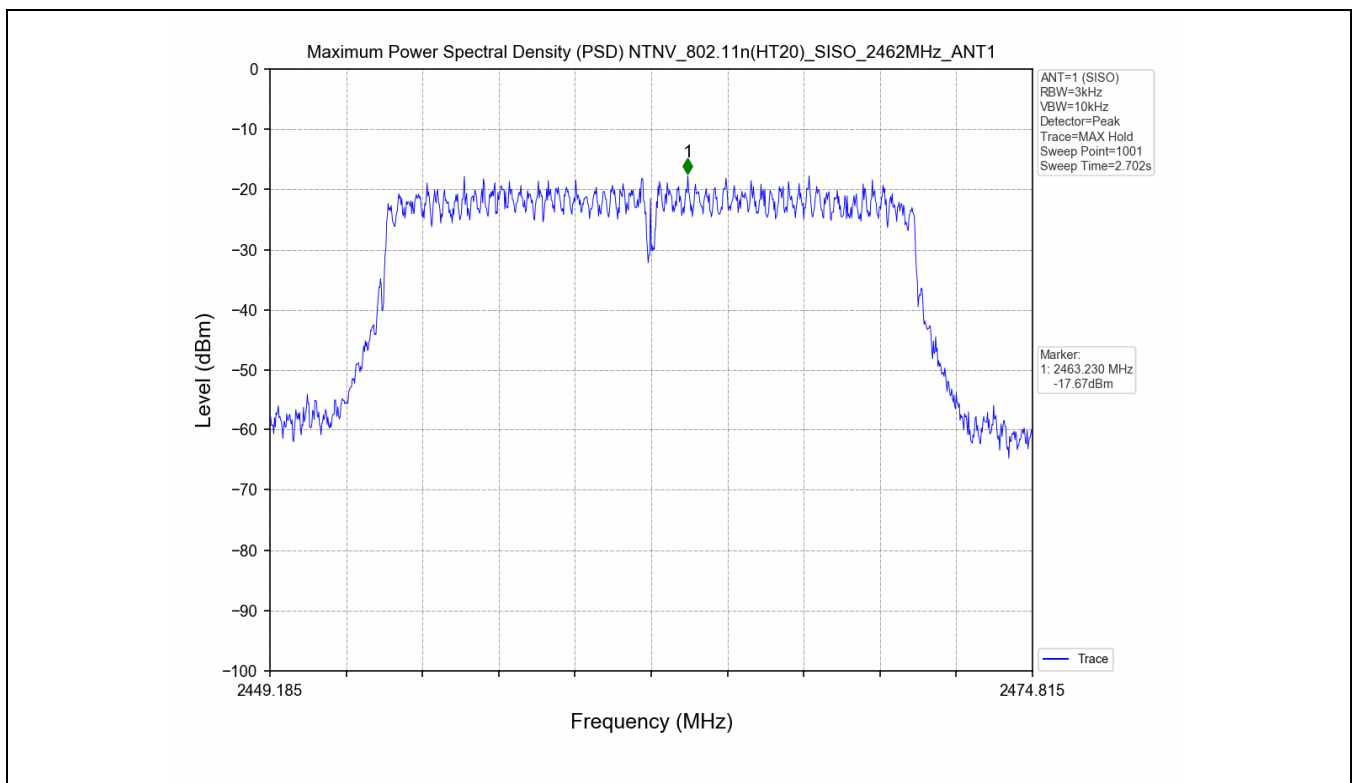
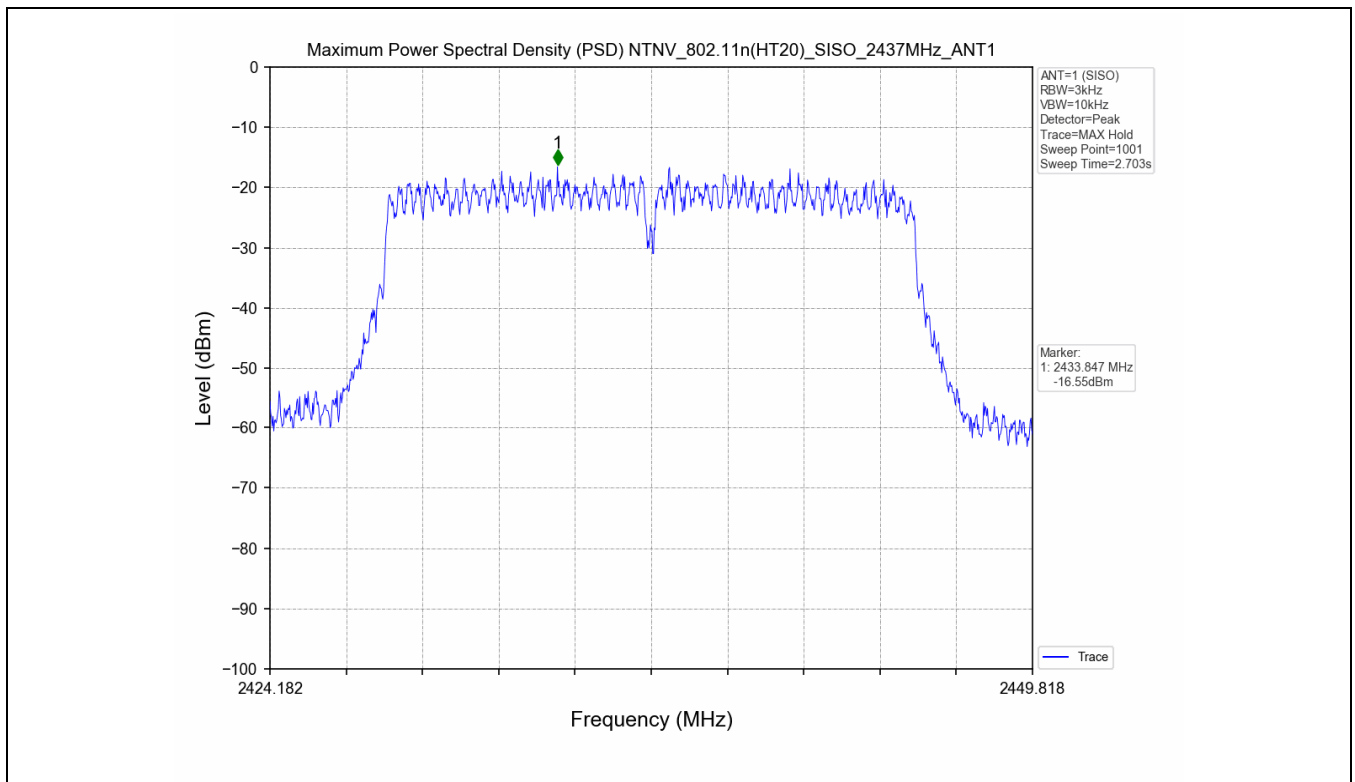


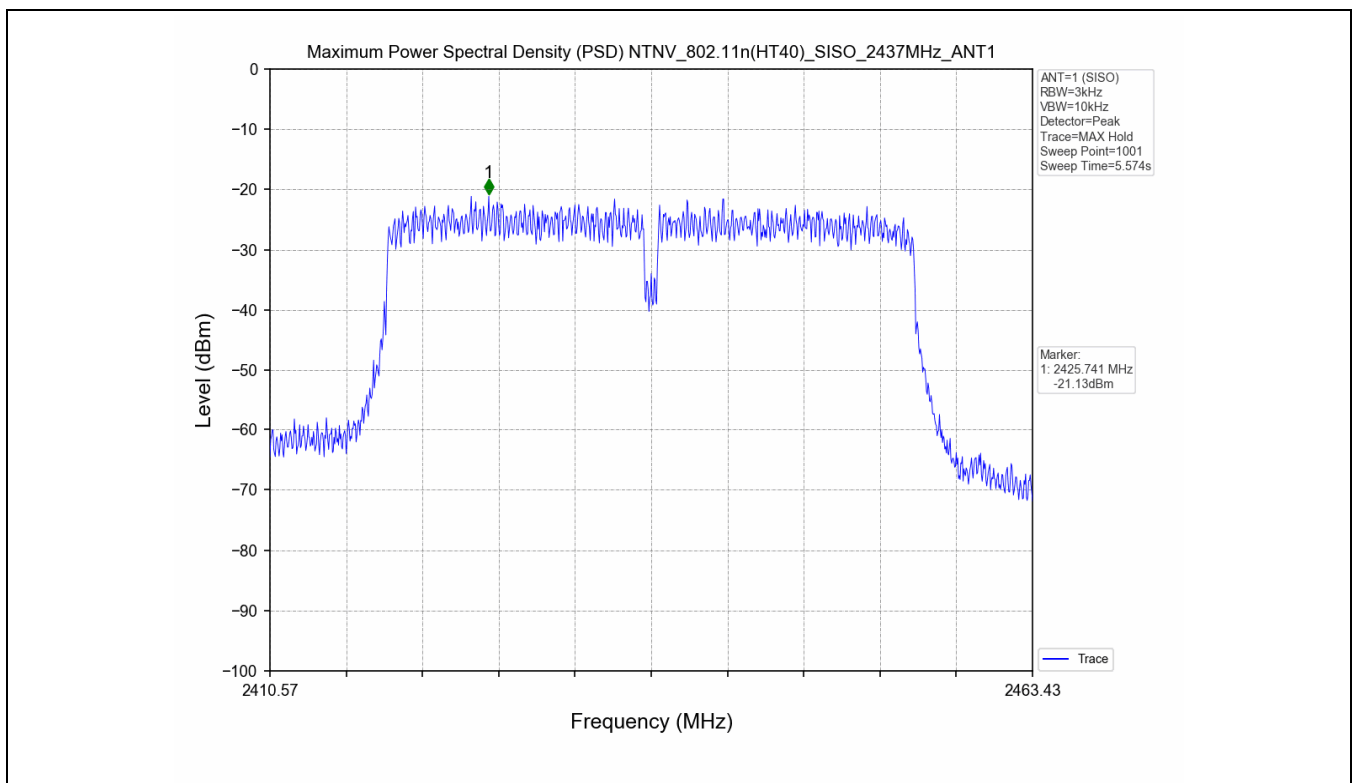
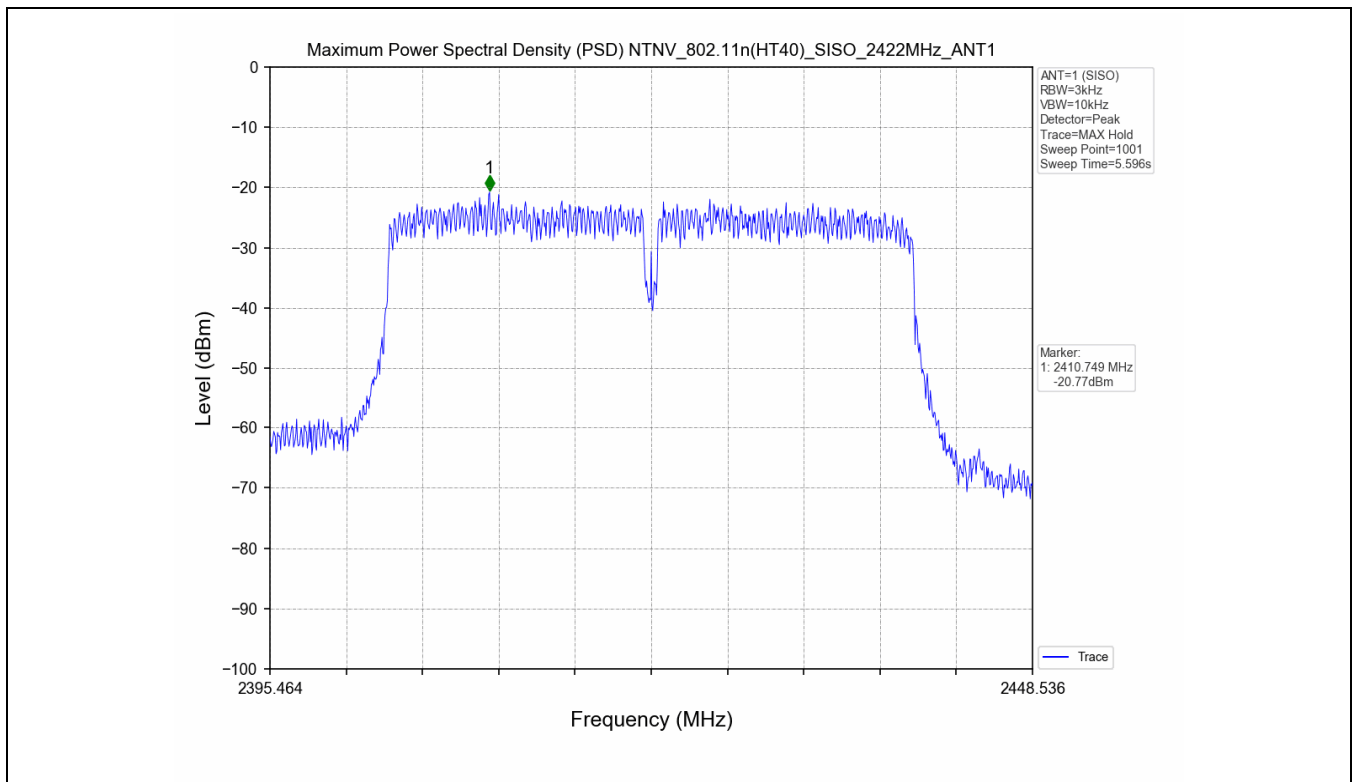


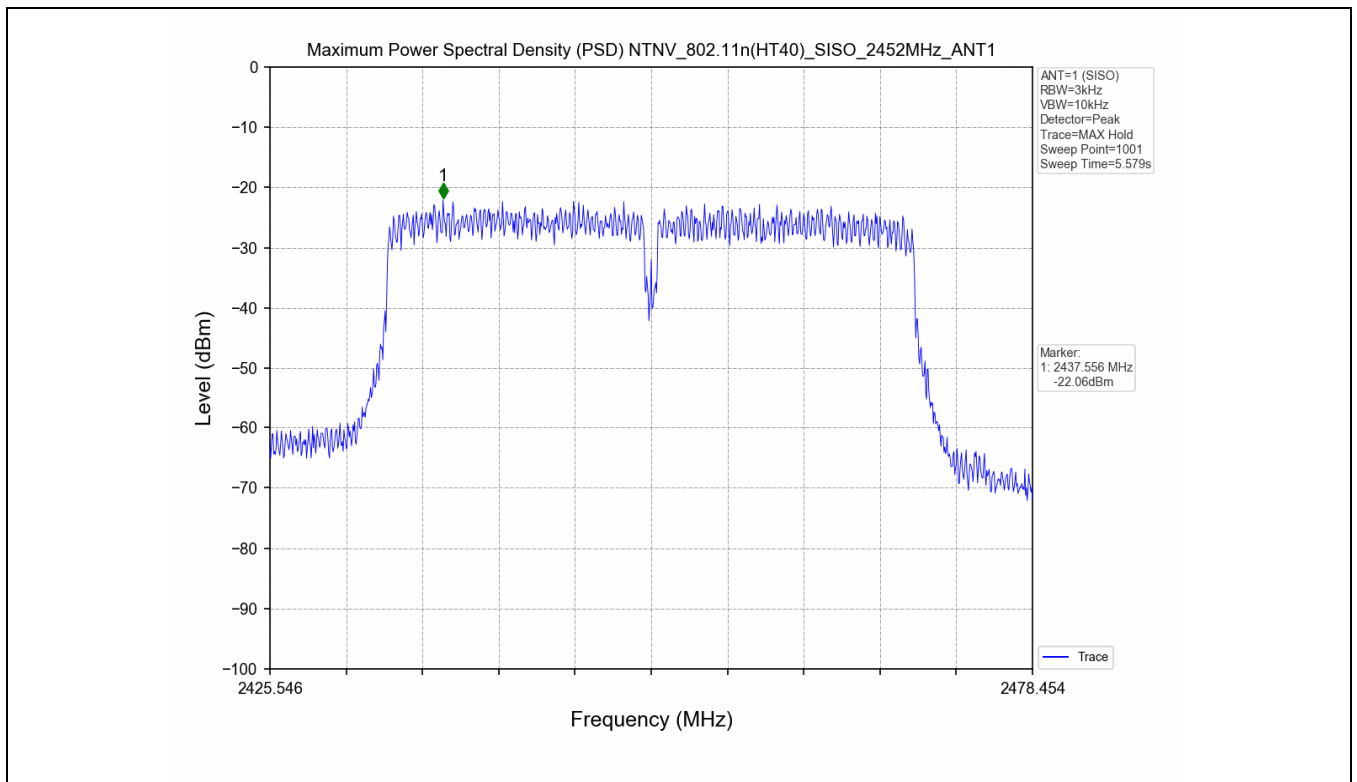












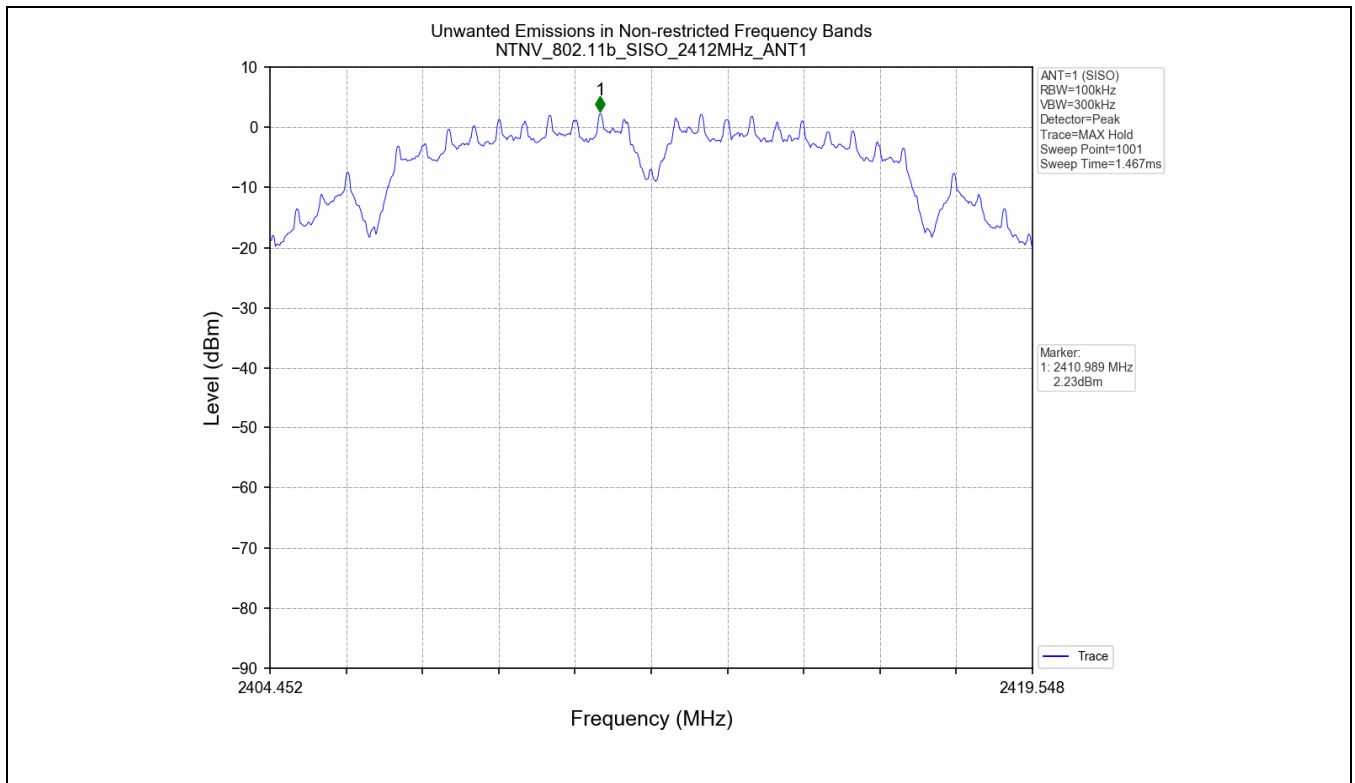


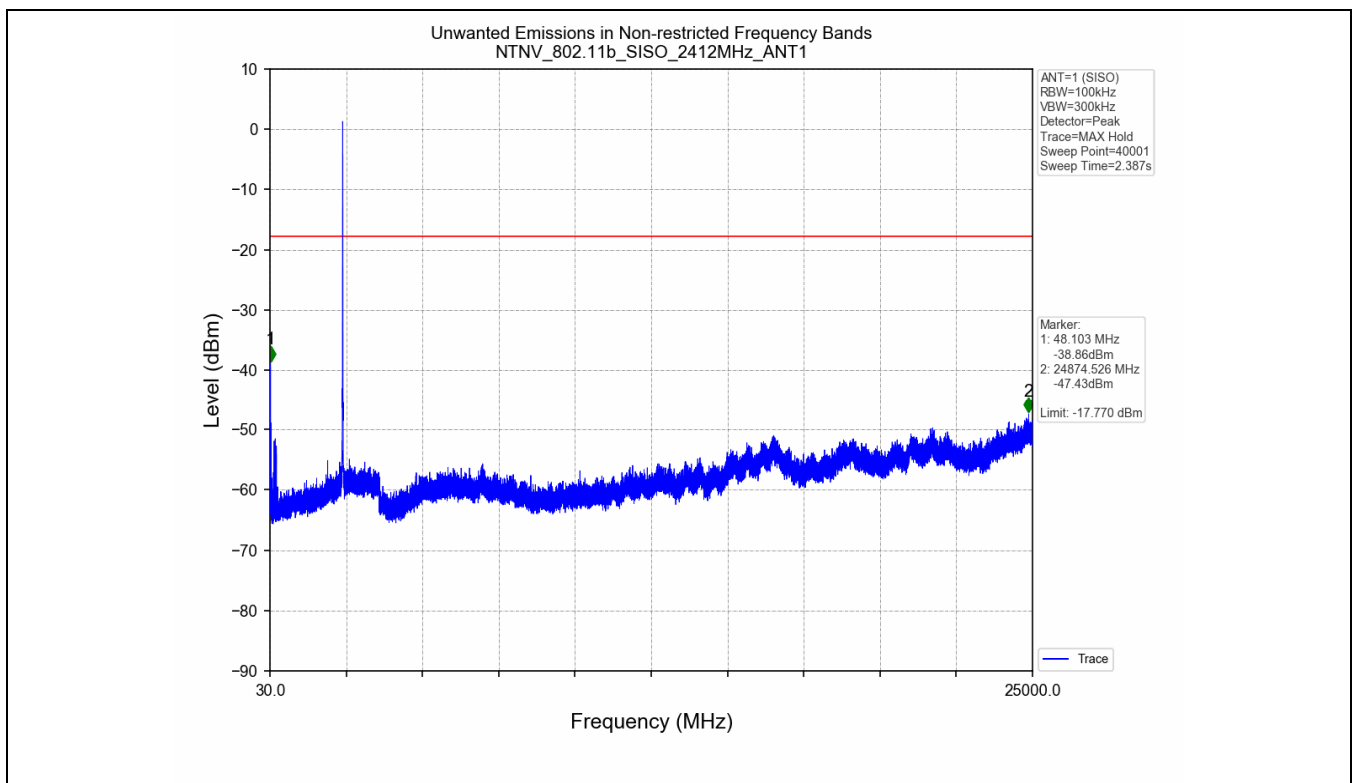
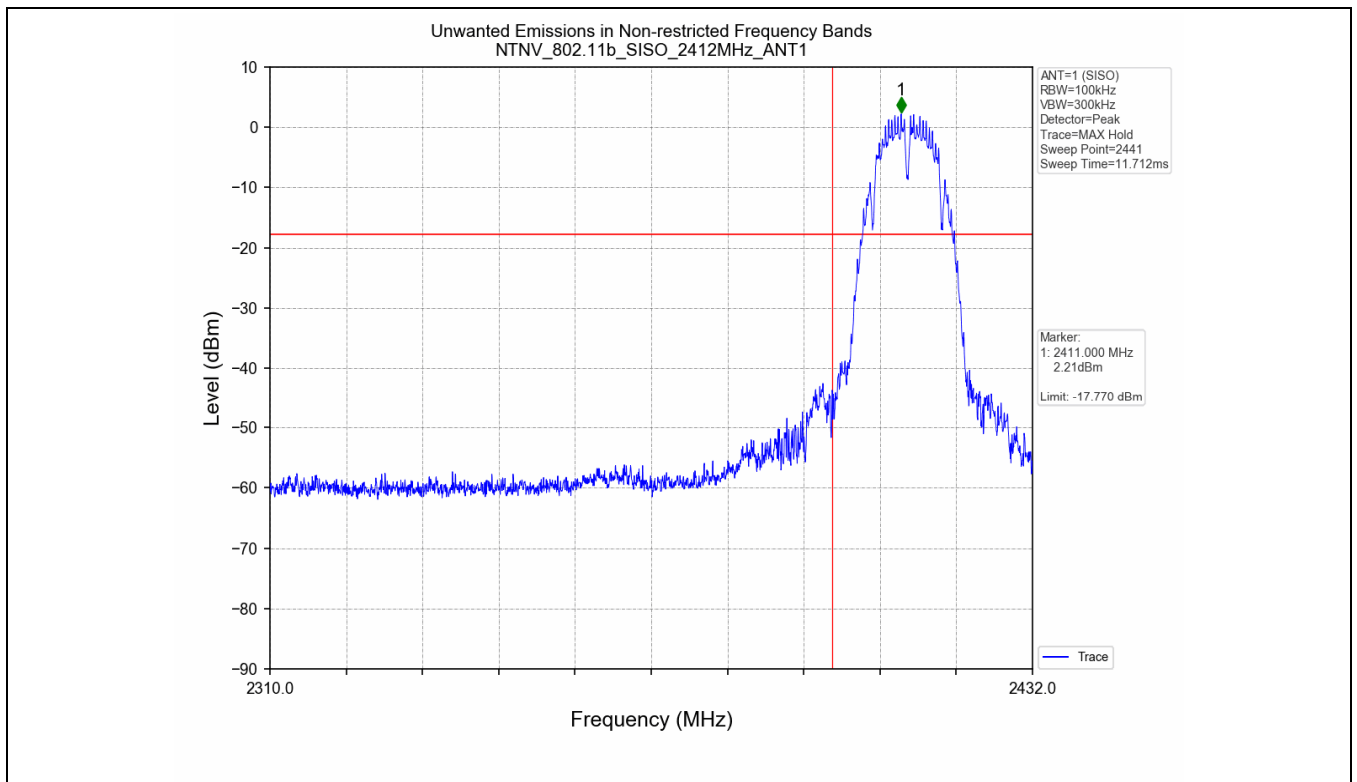
## 5. Unwanted Emissions in Non-restricted Frequency Bands

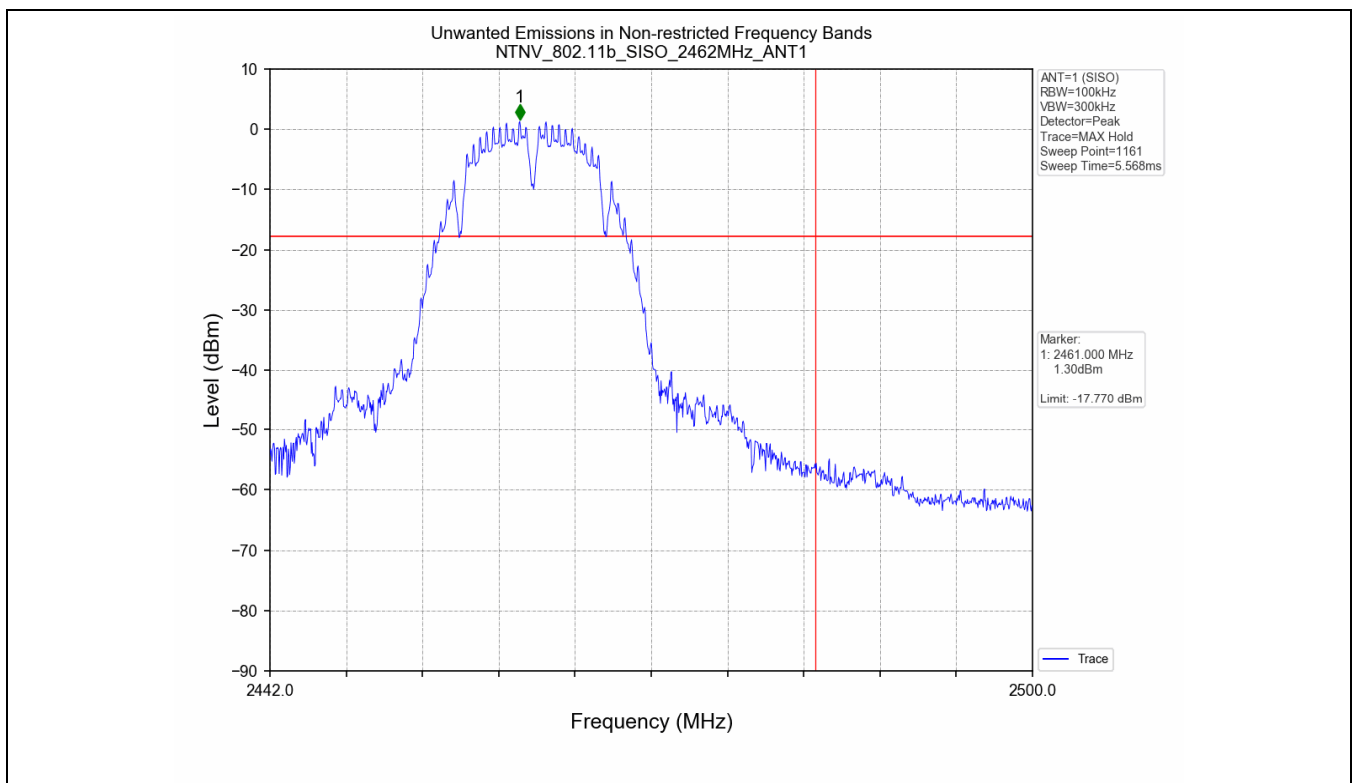
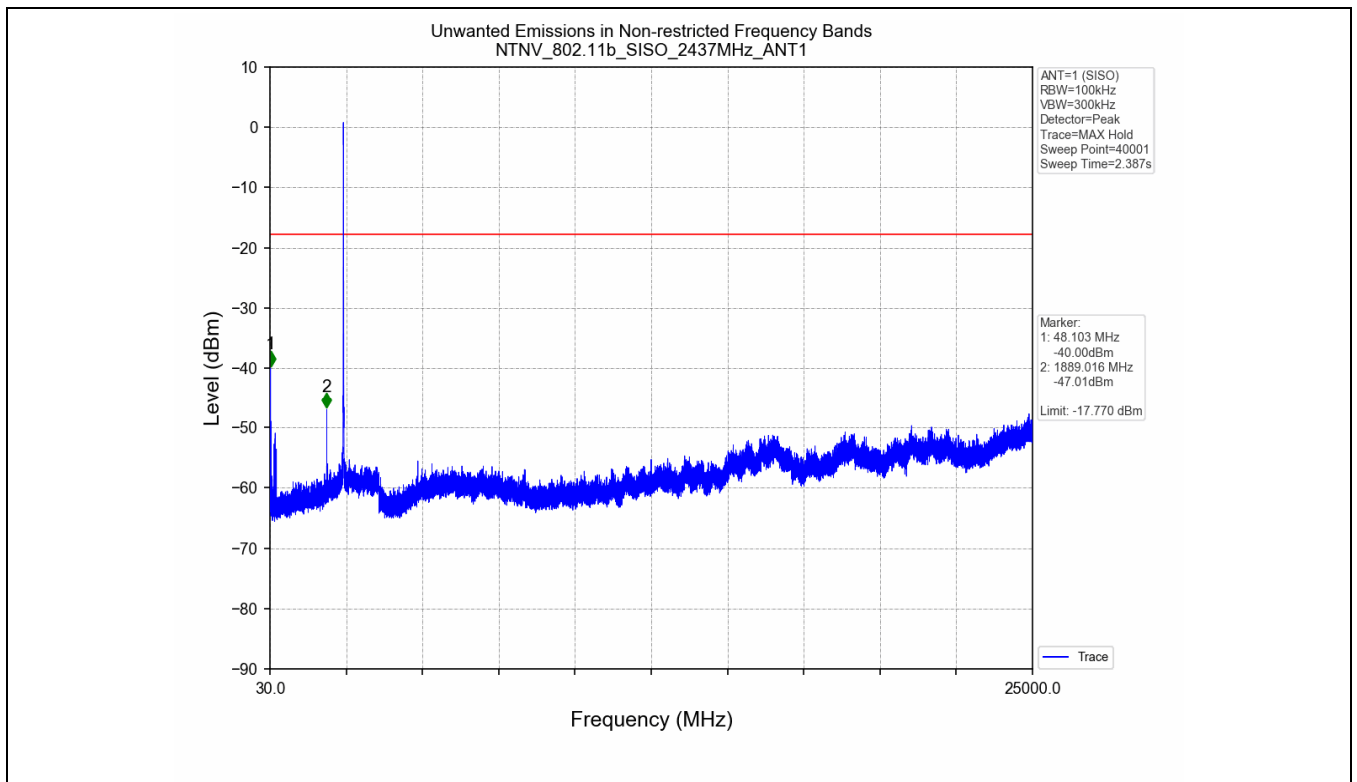
### 5.1 Test Result

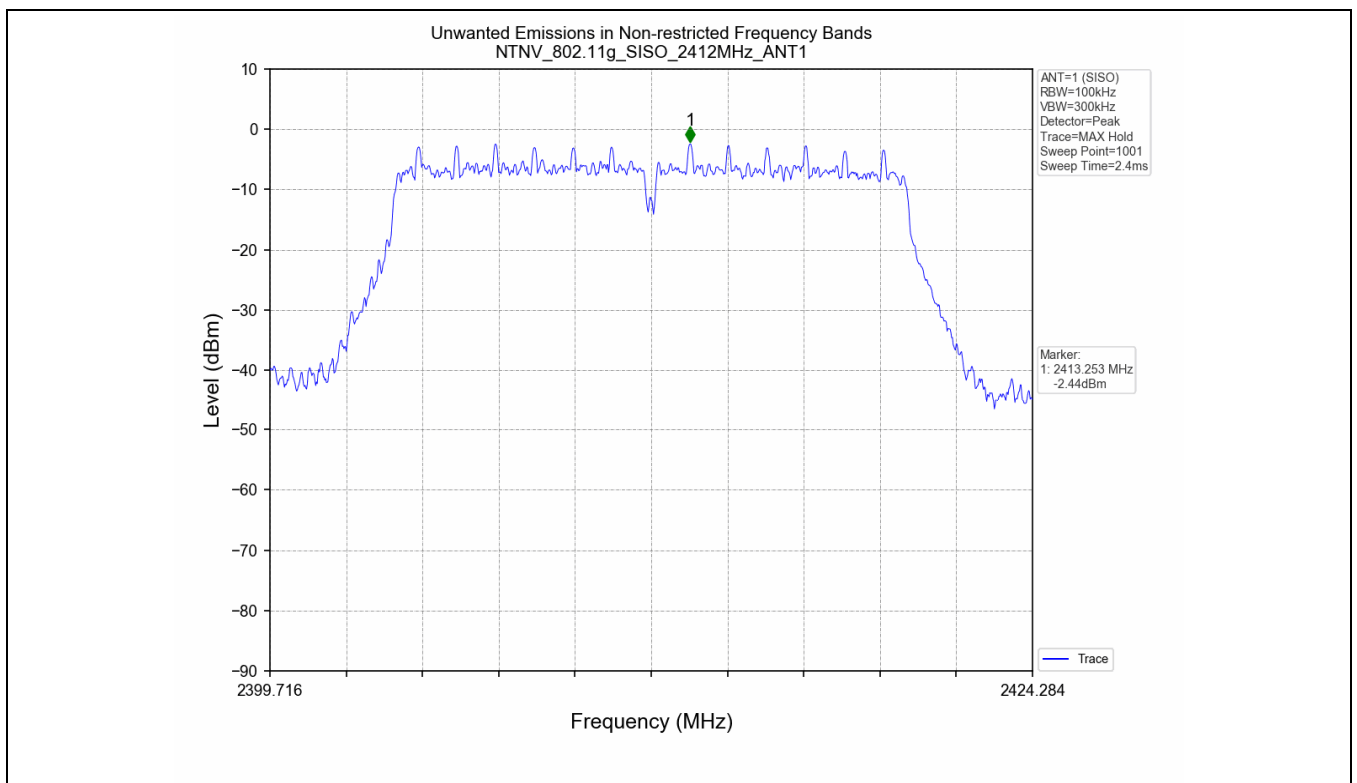
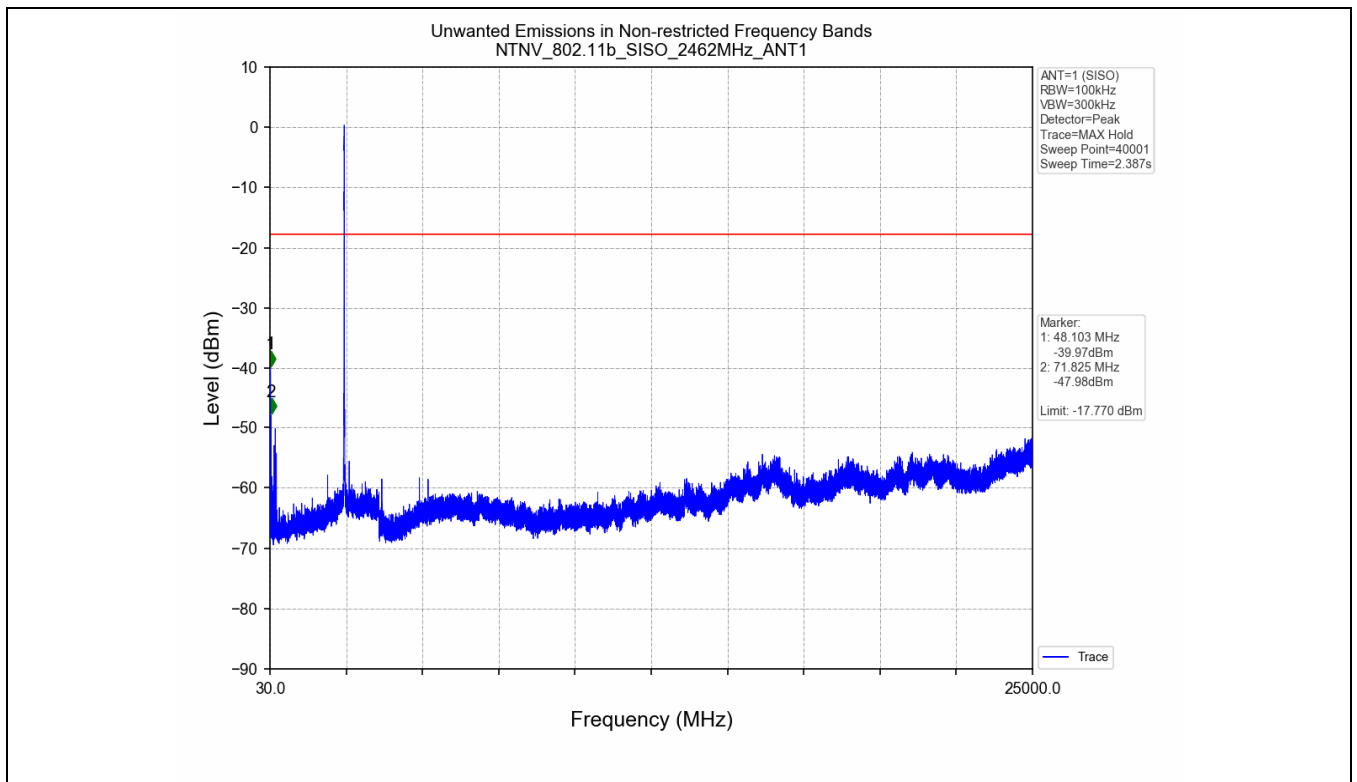
Test Mode	Frequency (MHz)	TX Type	ANT No.	Spurious Conducted Emission (dBm)	Limits (dBm)	Verdict
802.11b	2412	SISO	1	Refer to test graph	-17.77	PASS
	2437	SISO	1	Refer to test graph	-17.77	PASS
	2462	SISO	1	Refer to test graph	-17.77	PASS
802.11g	2412	SISO	1	Refer to test graph	-22.44	PASS
	2437	SISO	1	Refer to test graph	-22.44	PASS
	2462	SISO	1	Refer to test graph	-22.44	PASS
802.11n(HT20)	2412	SISO	1	Refer to test graph	-22.40	PASS
	2437	SISO	1	Refer to test graph	-22.40	PASS
	2462	SISO	1	Refer to test graph	-22.40	PASS
802.11n(HT40)	2422	SISO	1	Refer to test graph	-27.08	PASS
	2437	SISO	1	Refer to test graph	-27.08	PASS
	2452	SISO	1	Refer to test graph	-27.08	PASS

### 5.2 Test Graph

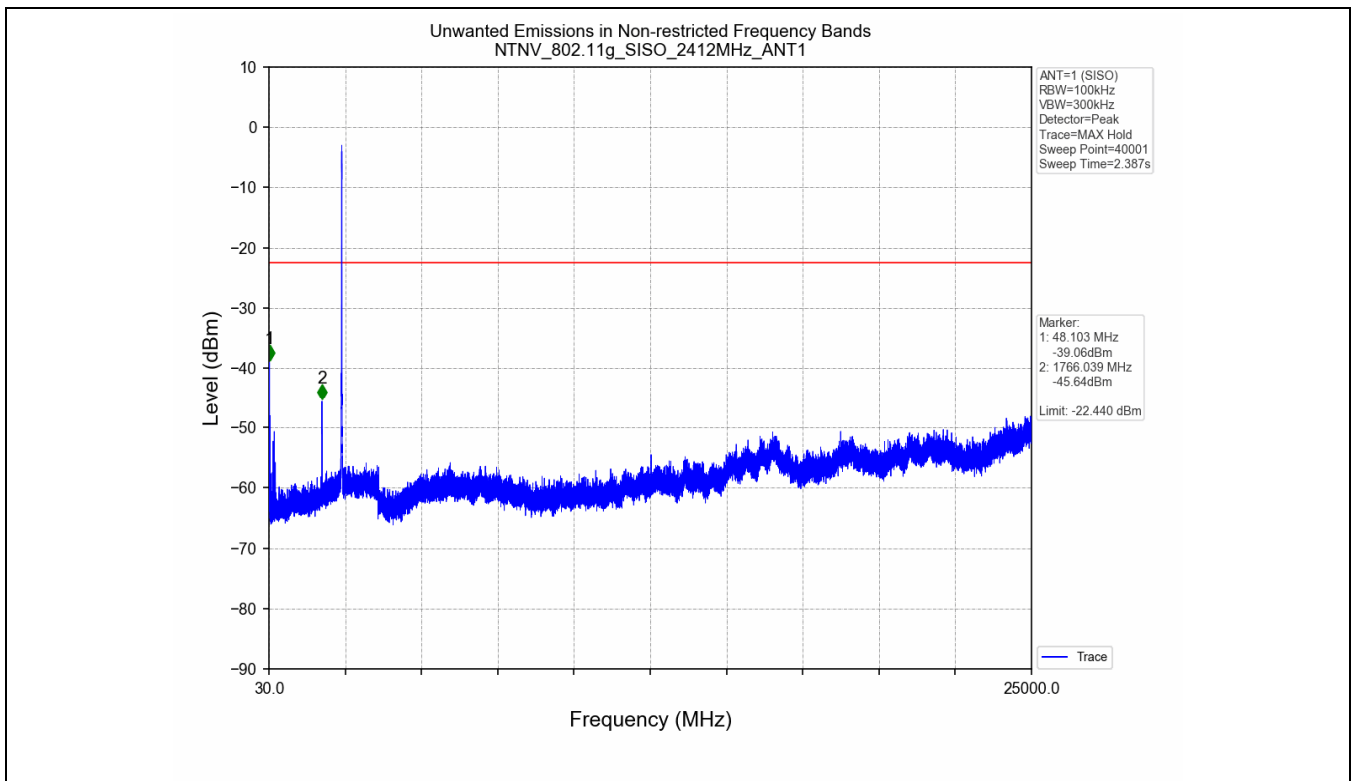
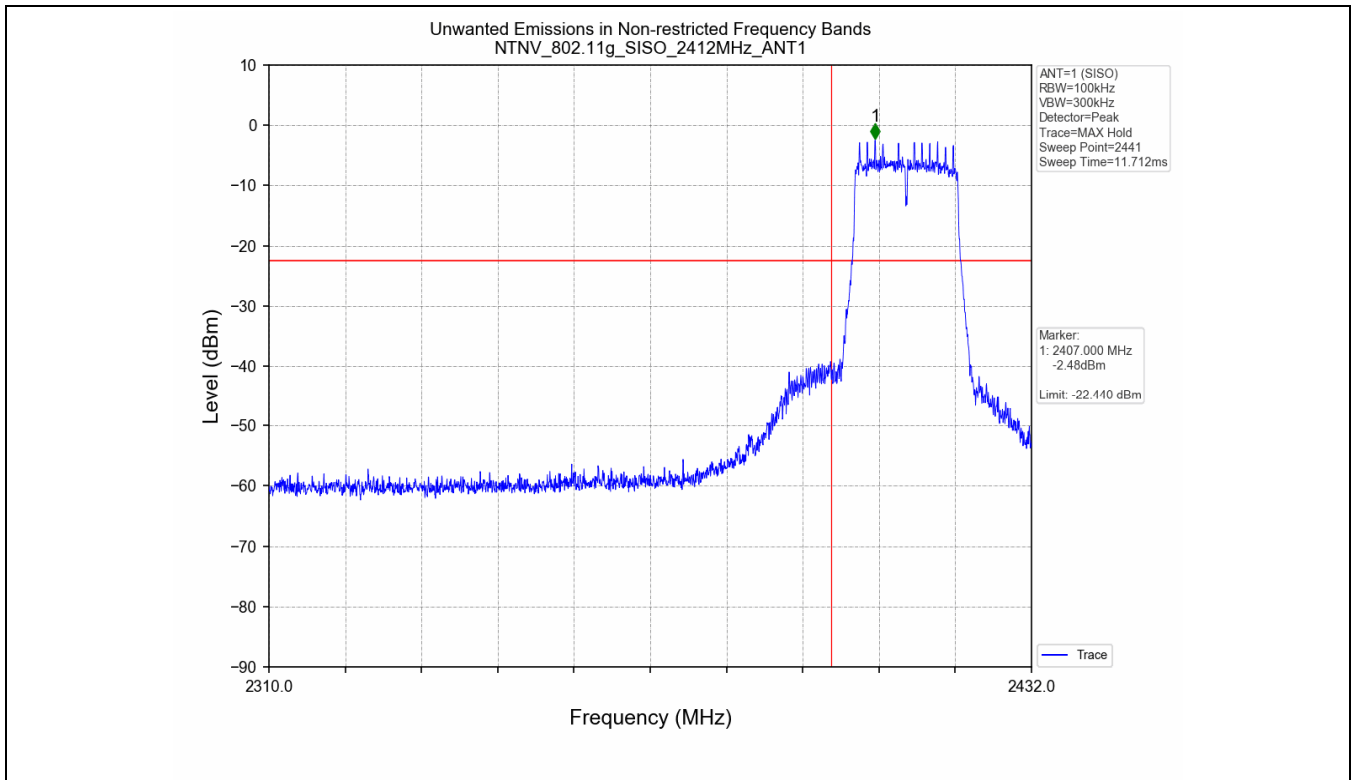




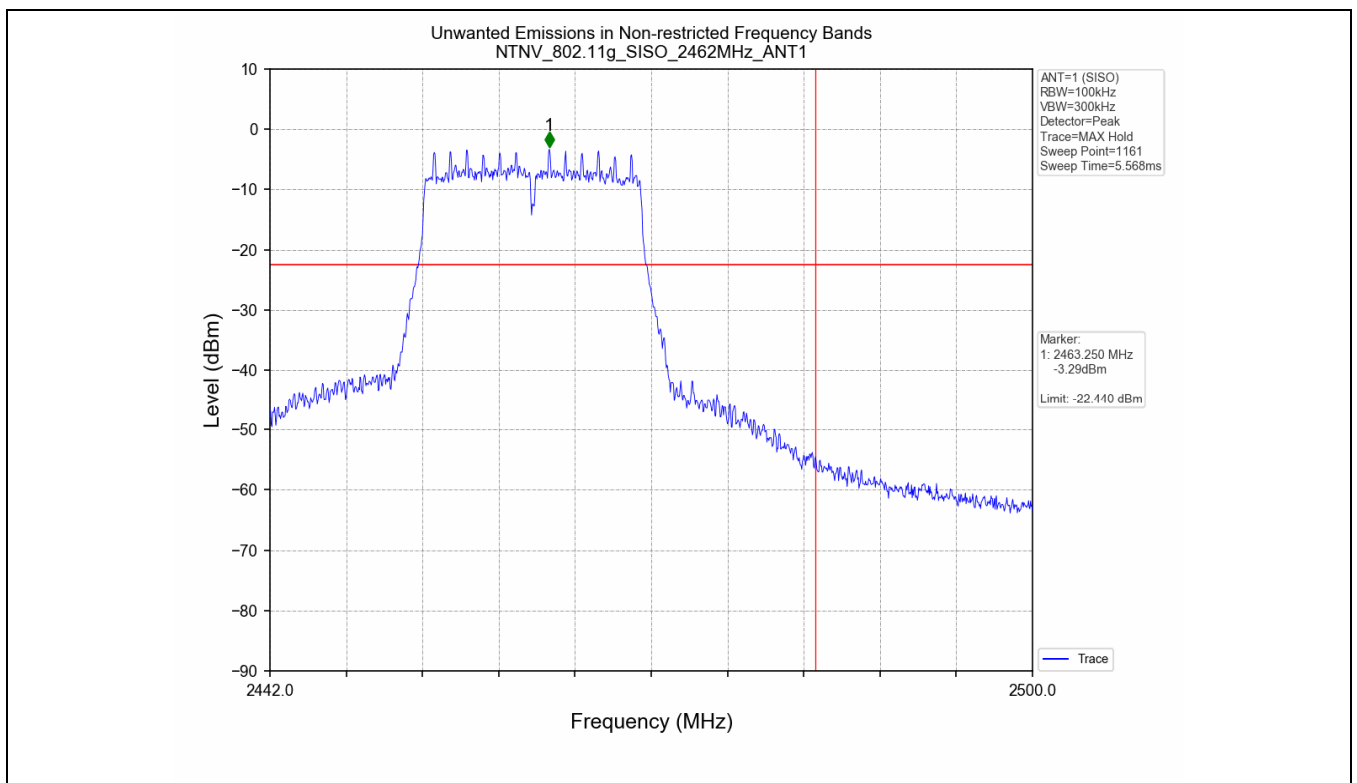
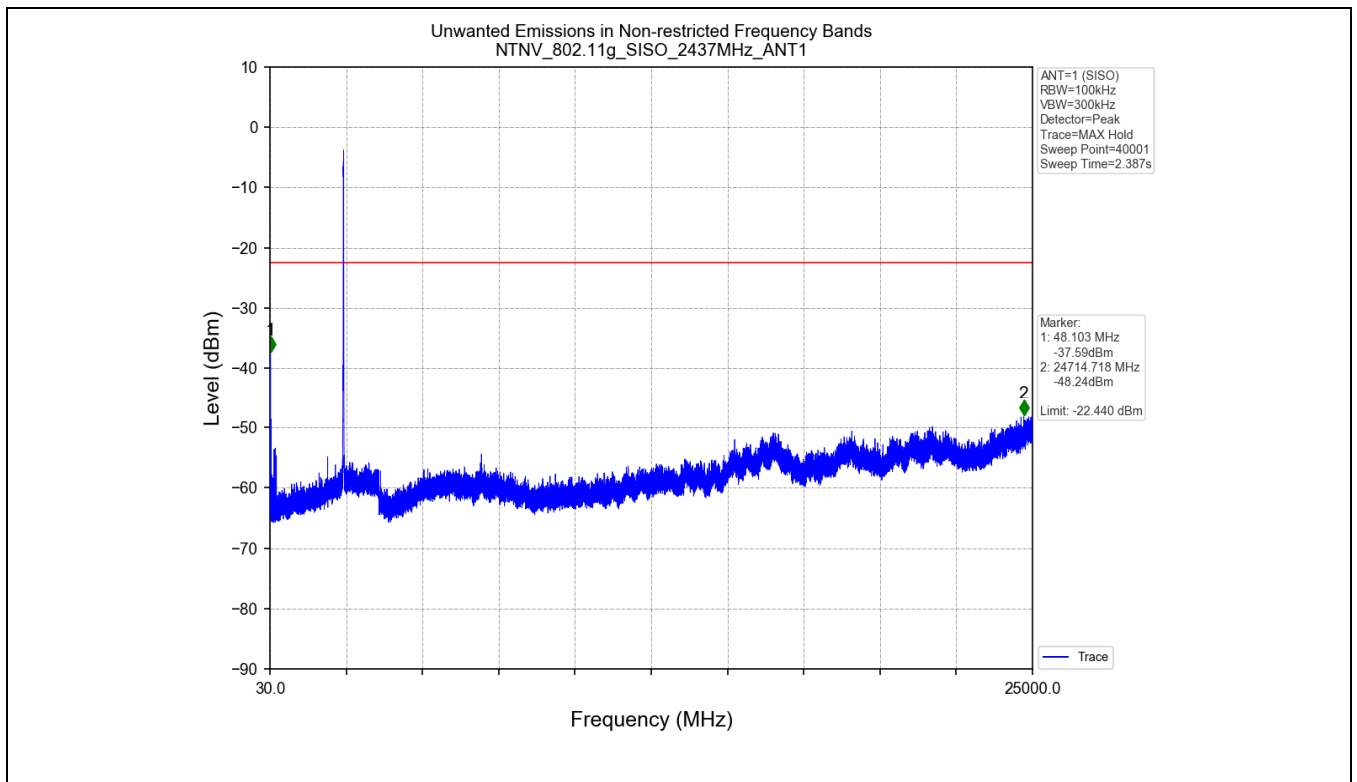


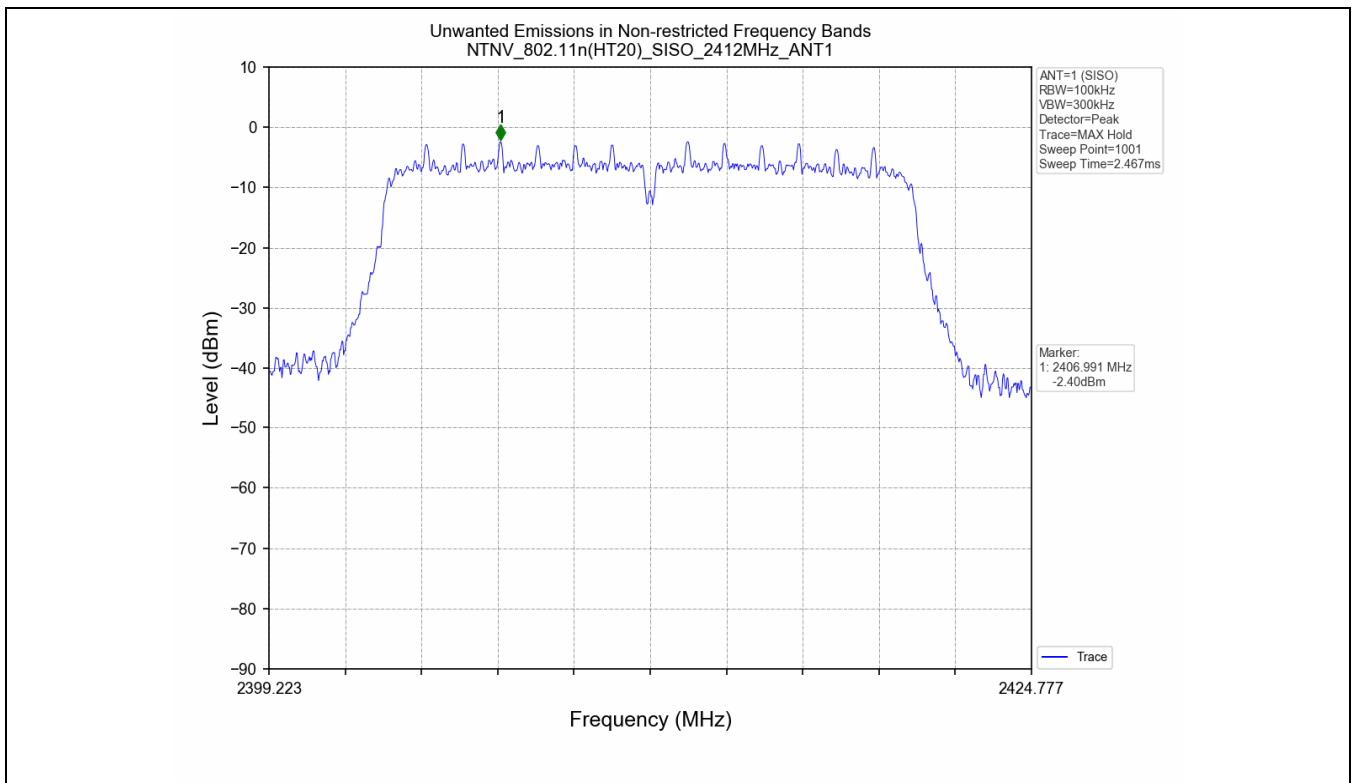
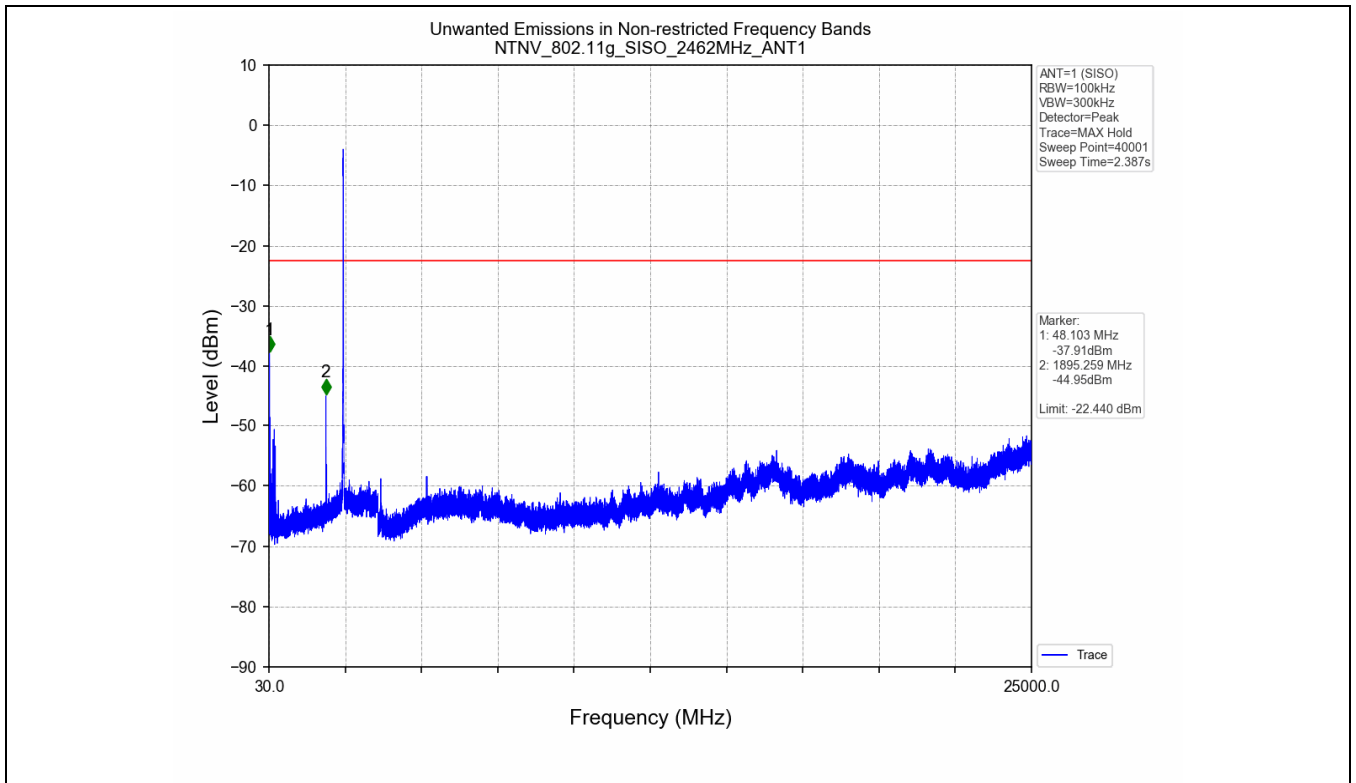


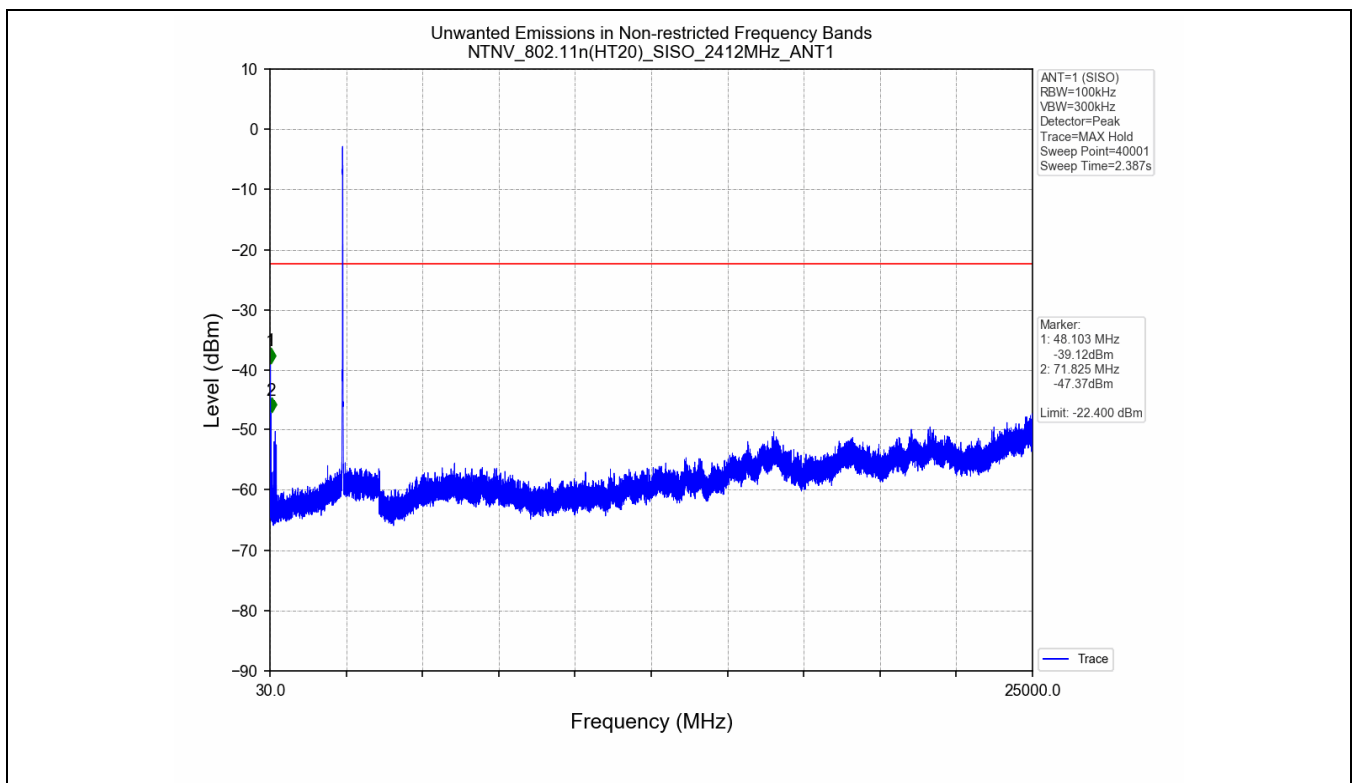
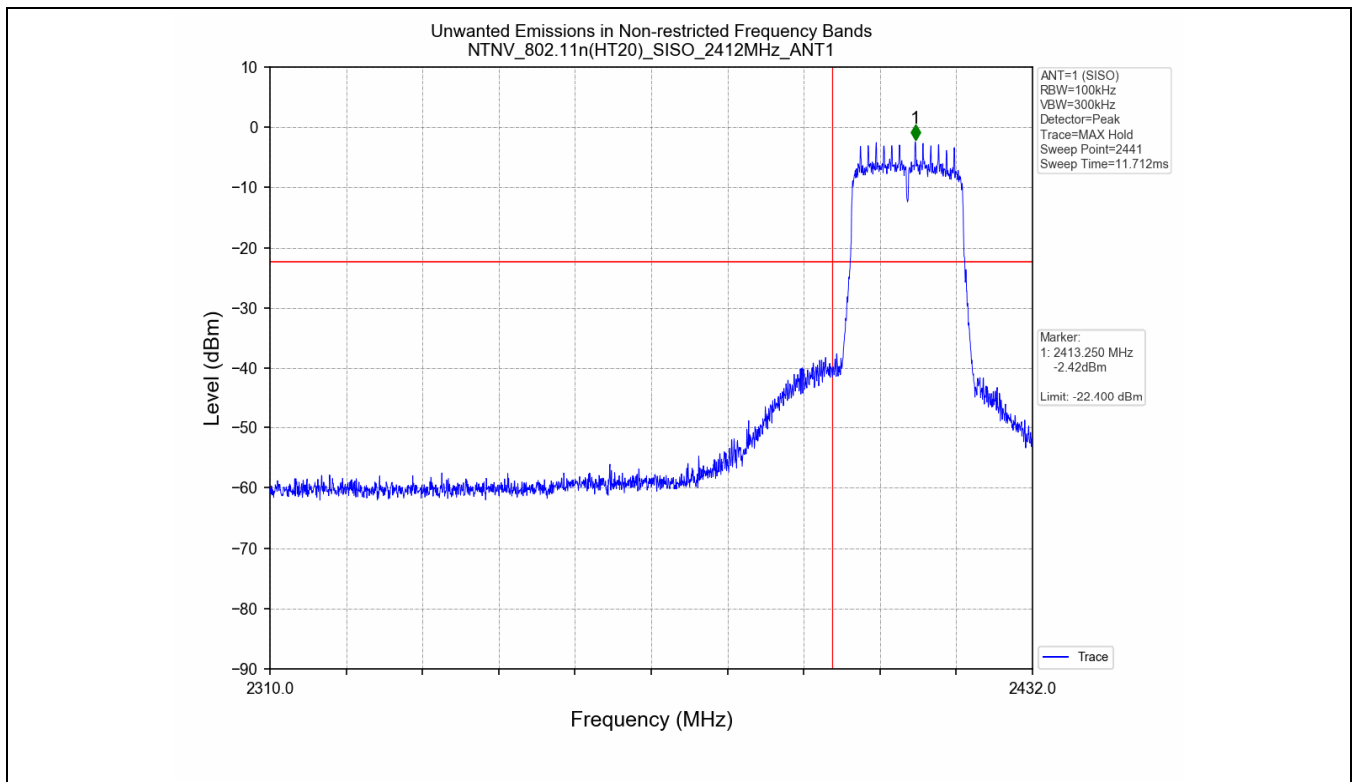


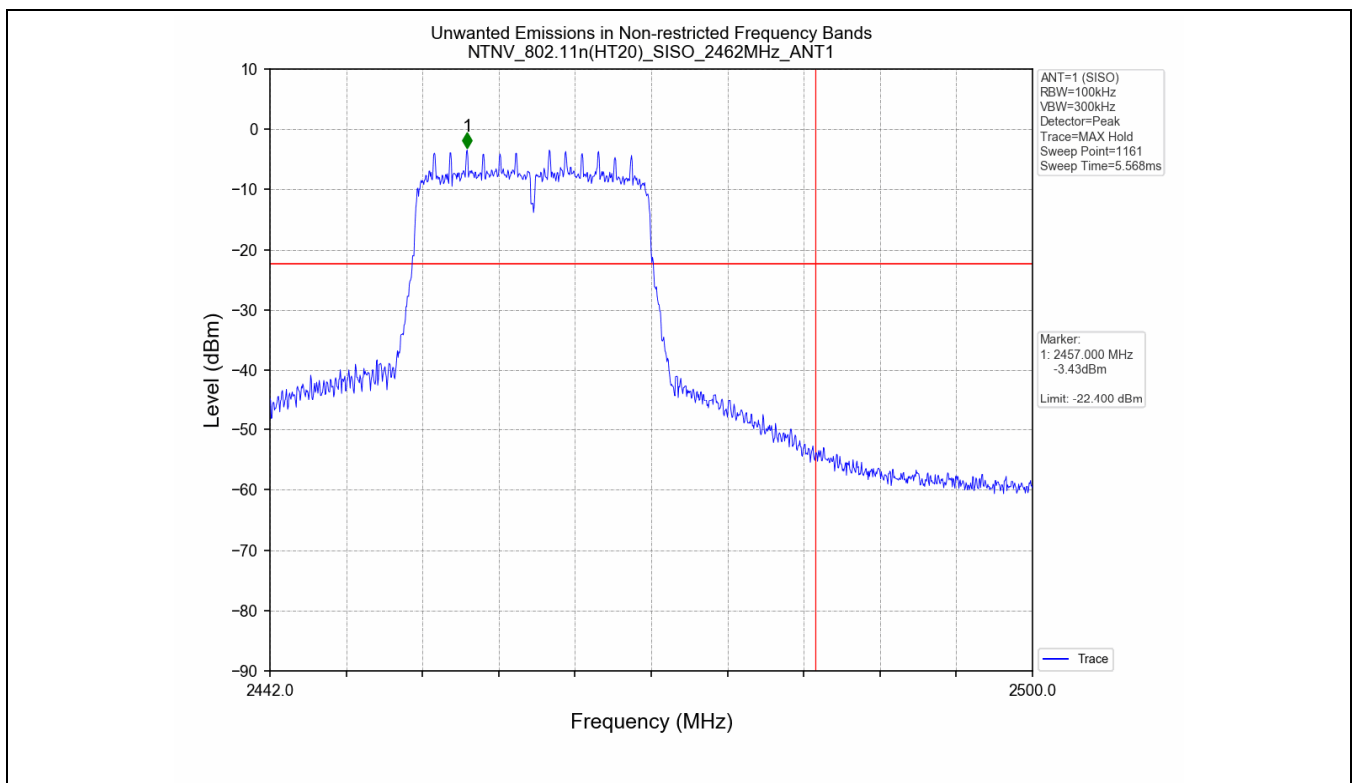
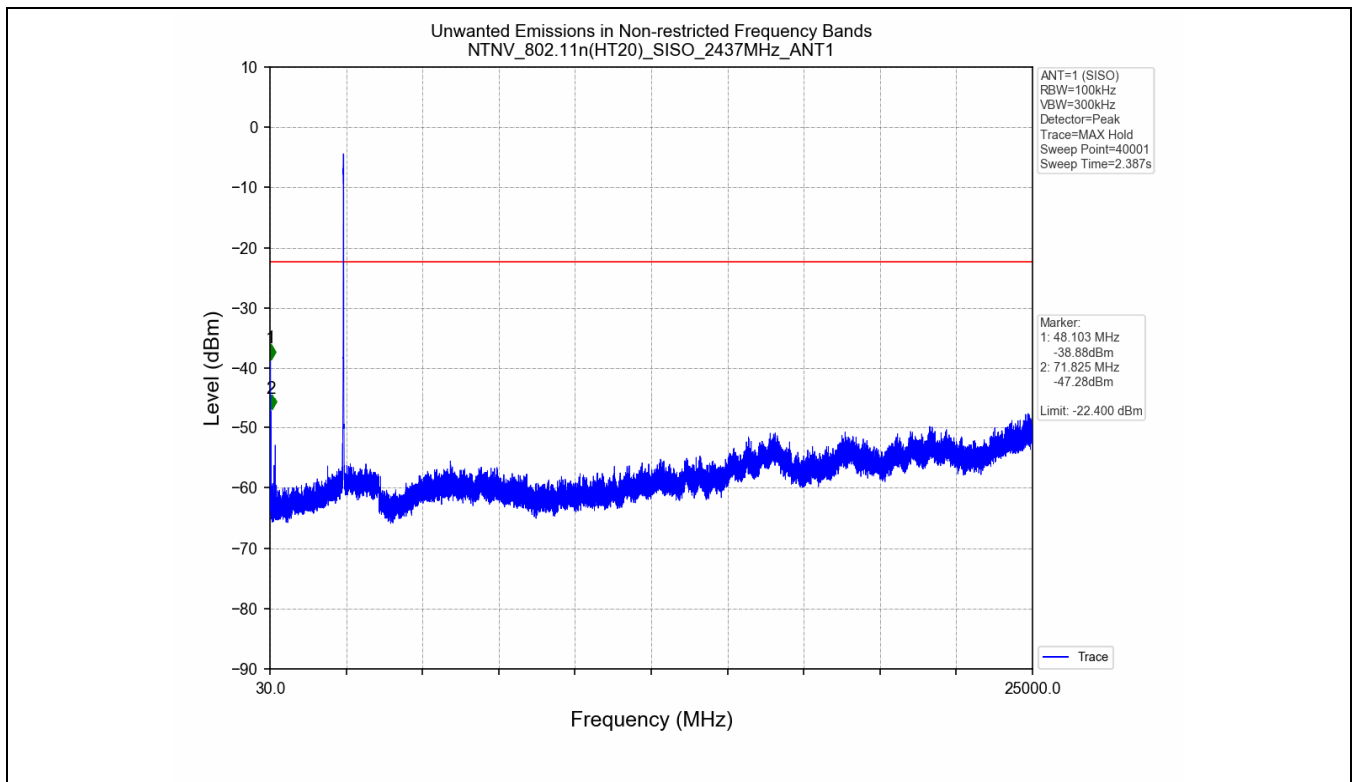




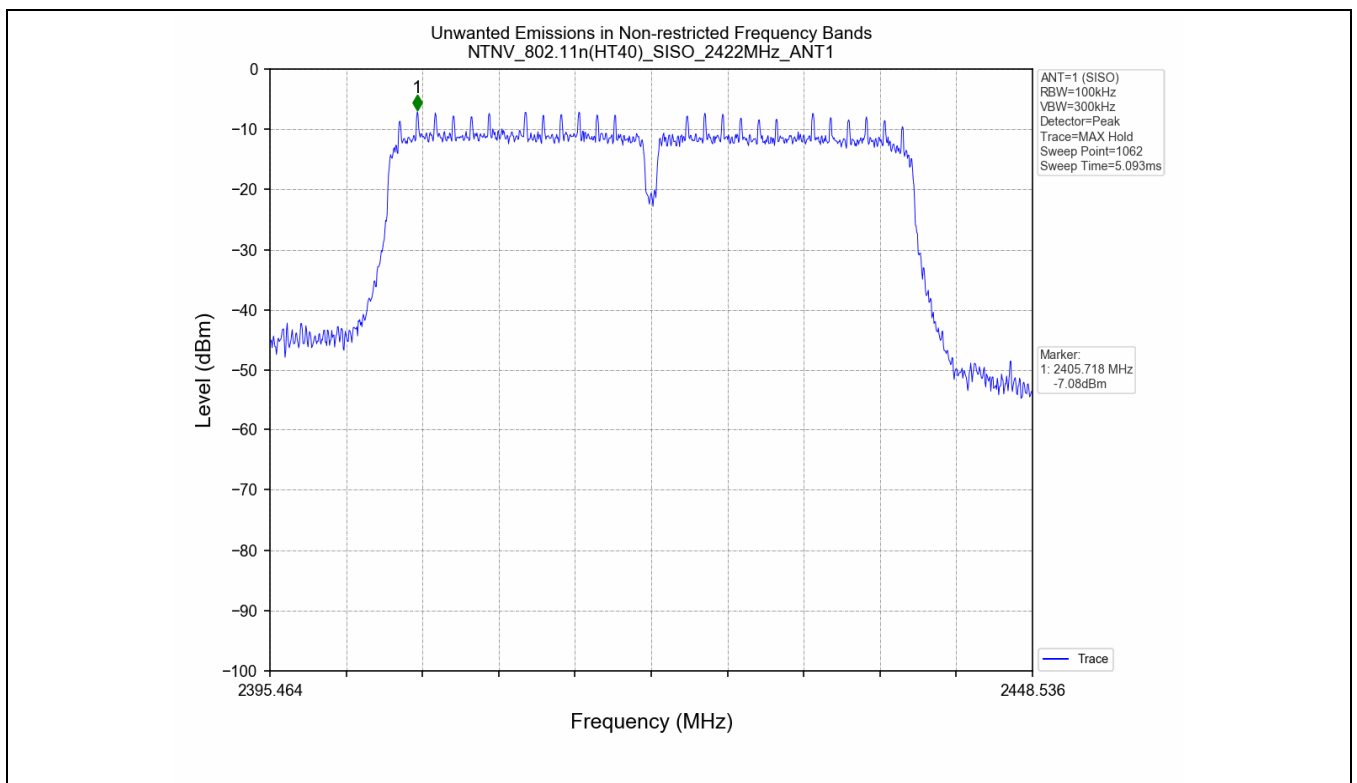
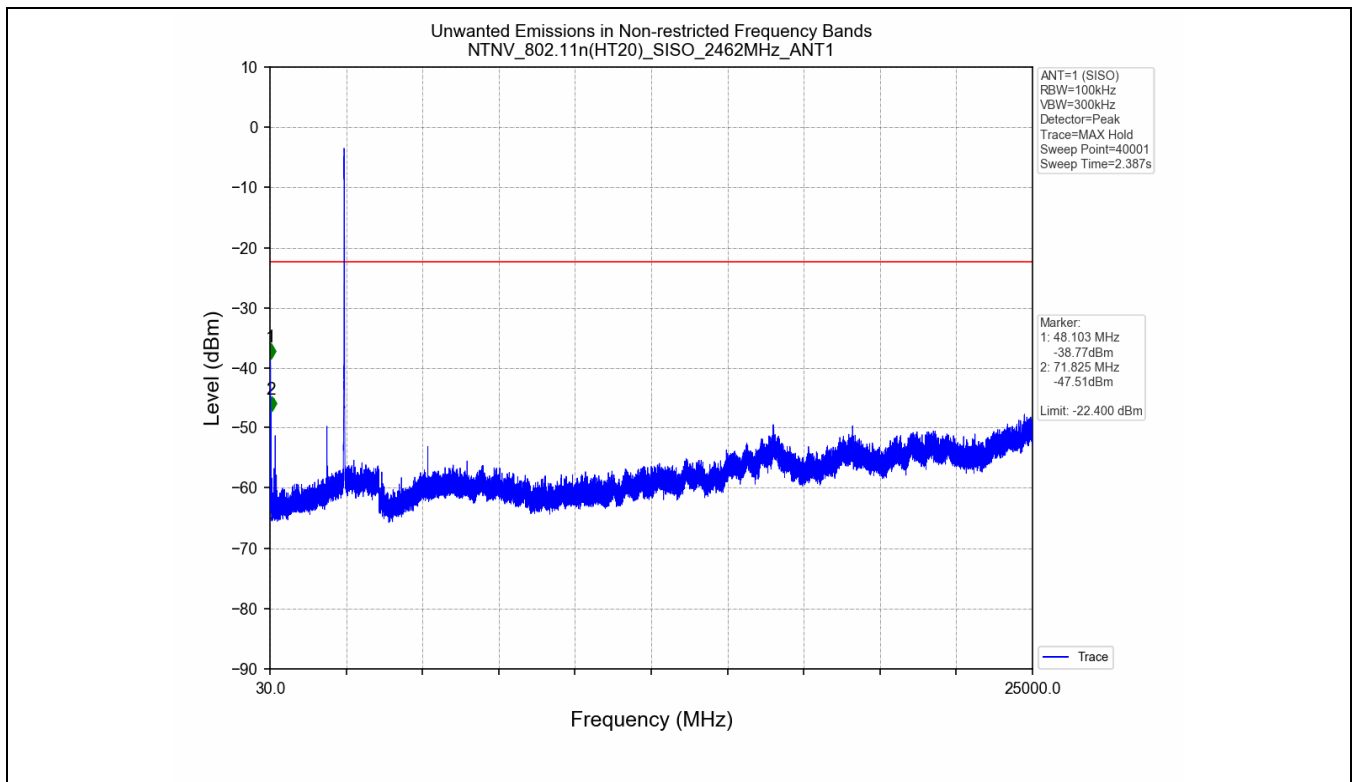




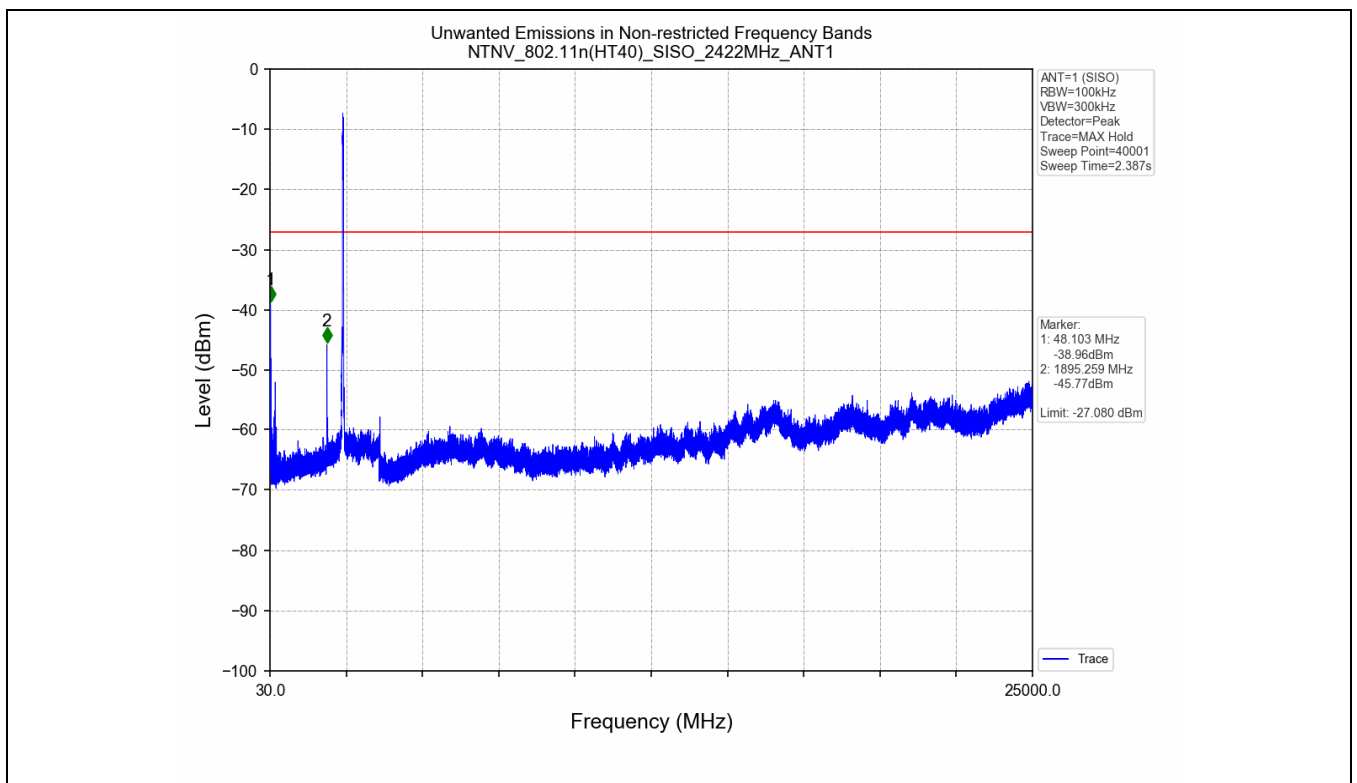
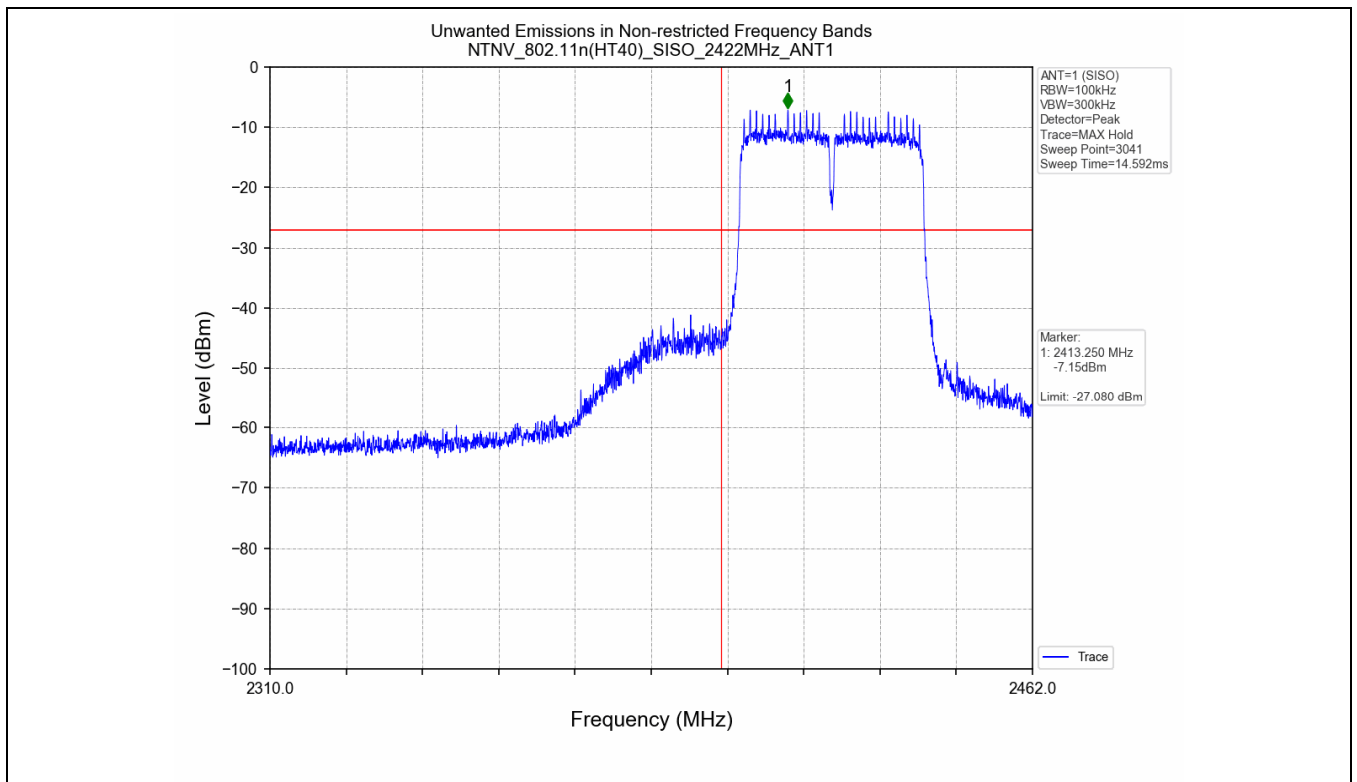


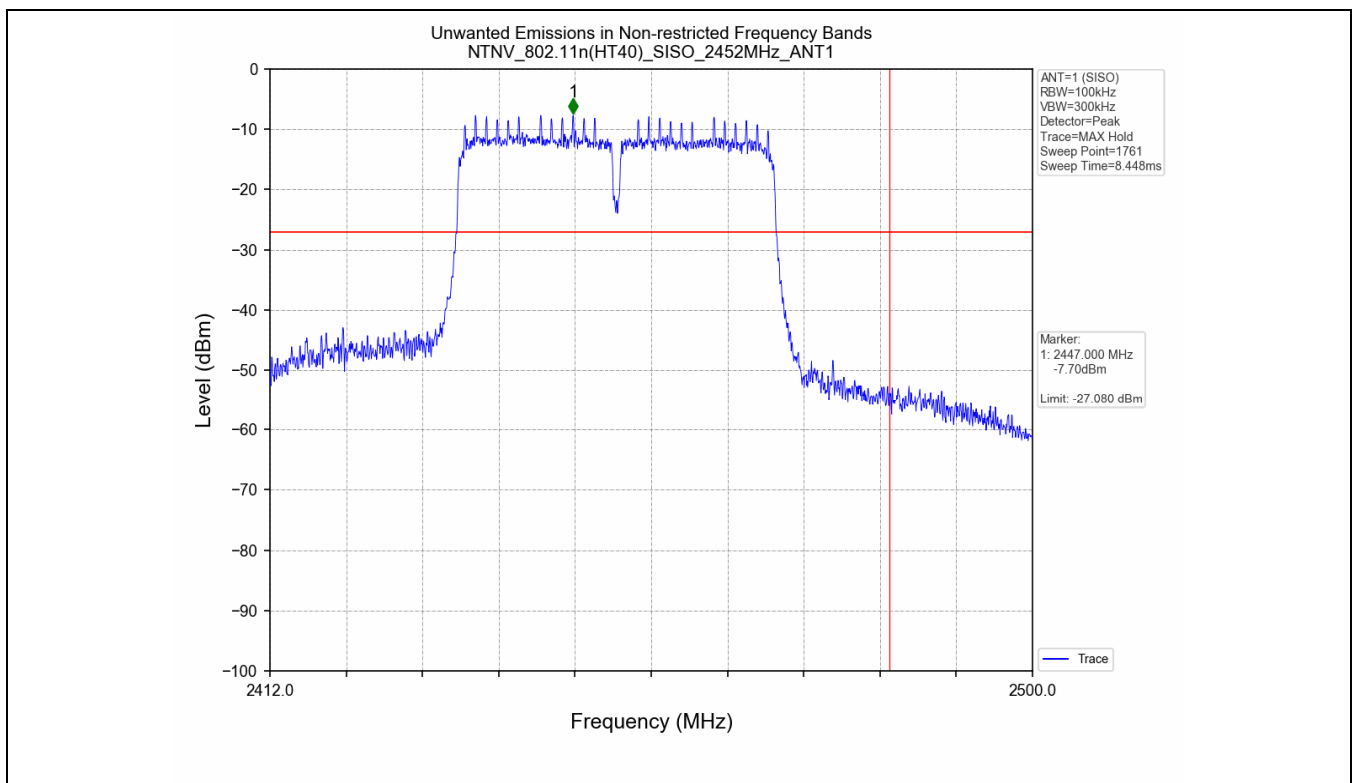
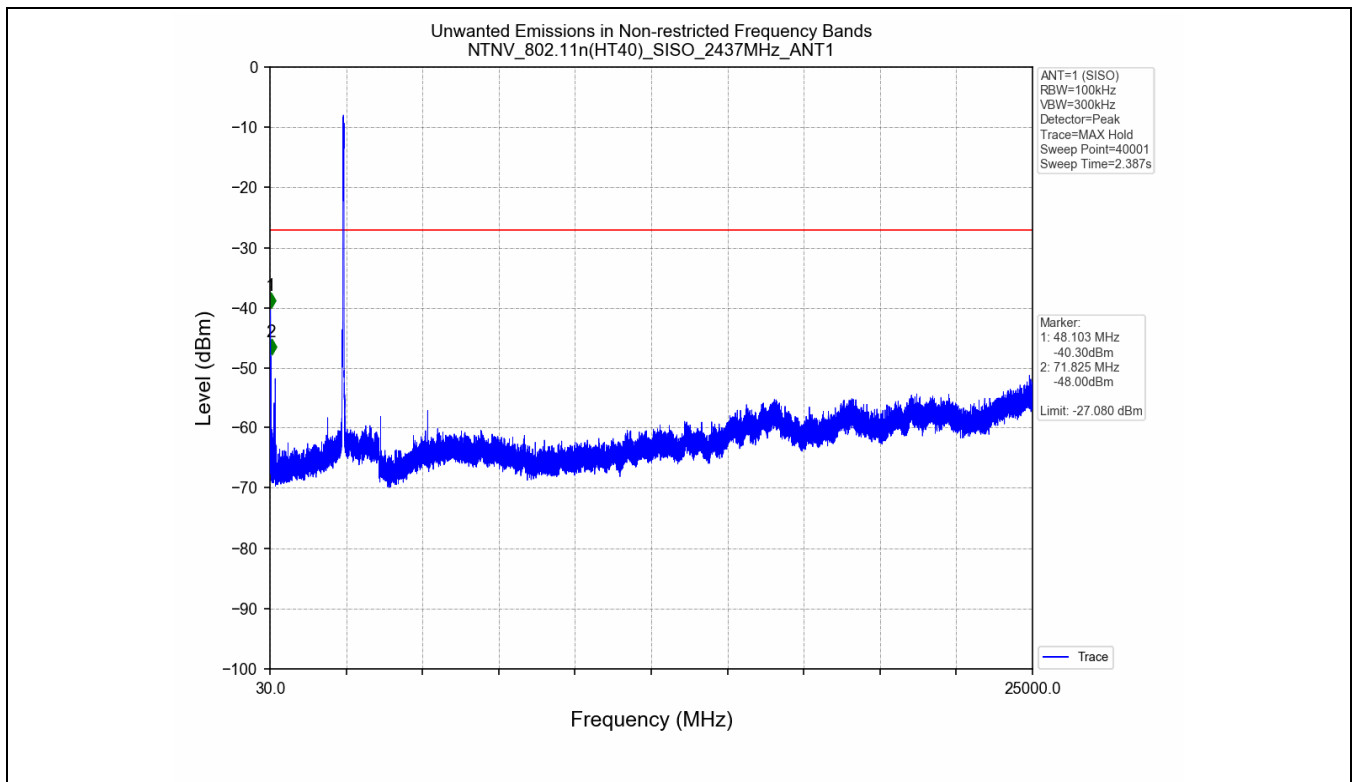


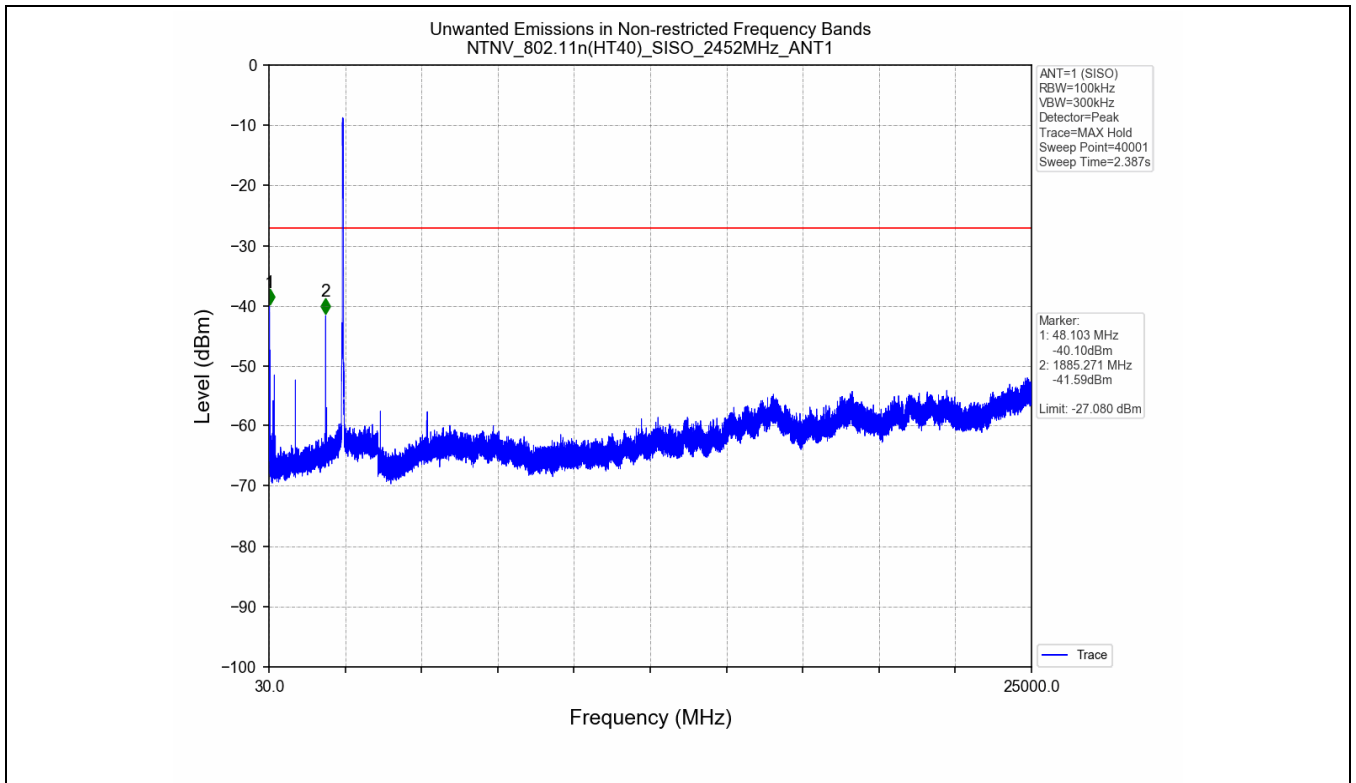












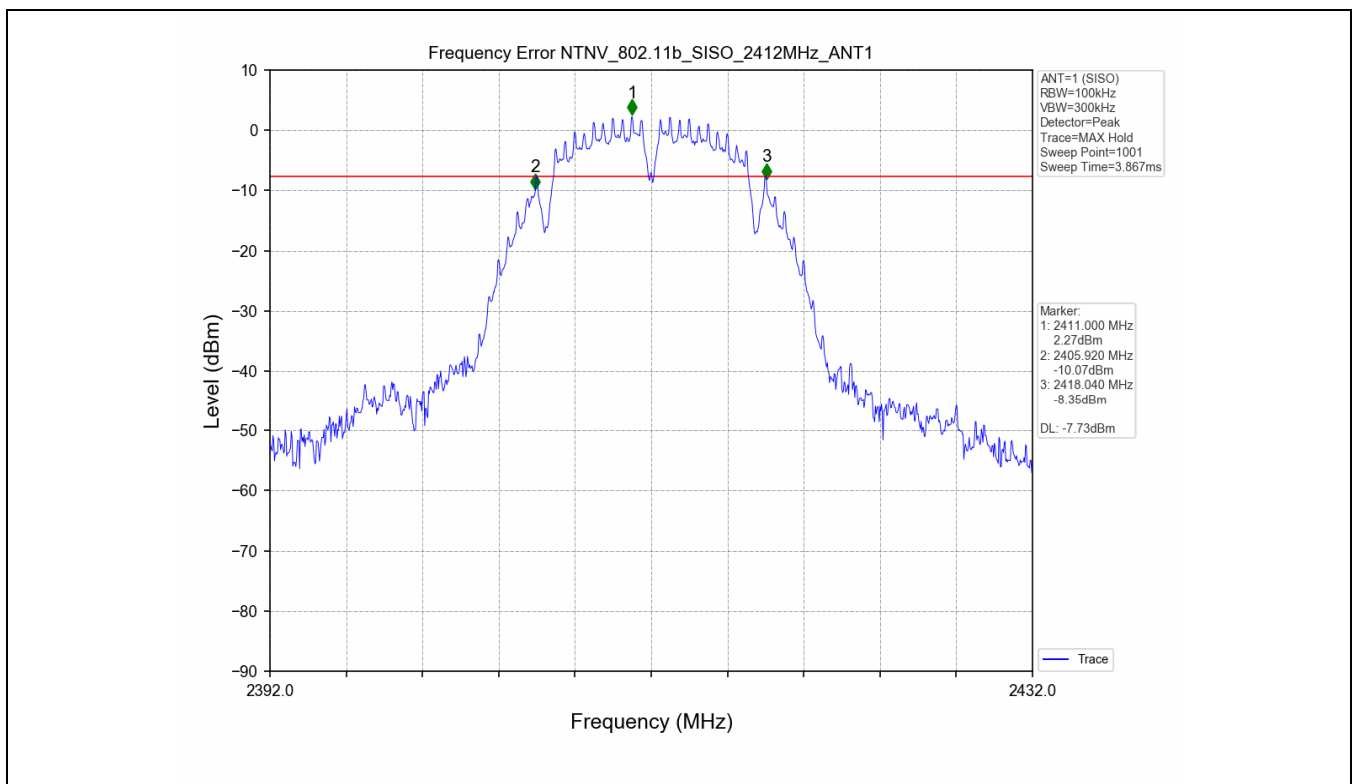
### 6. Frequency Error

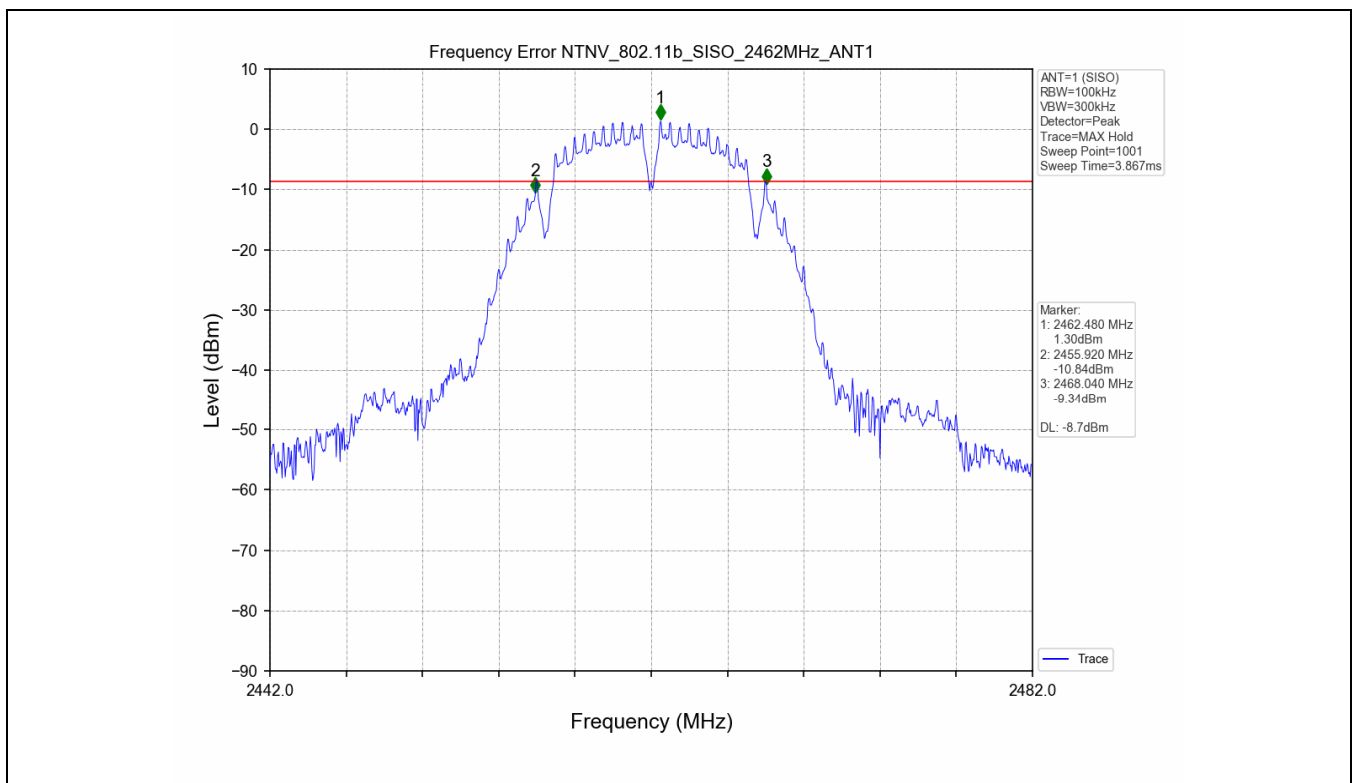
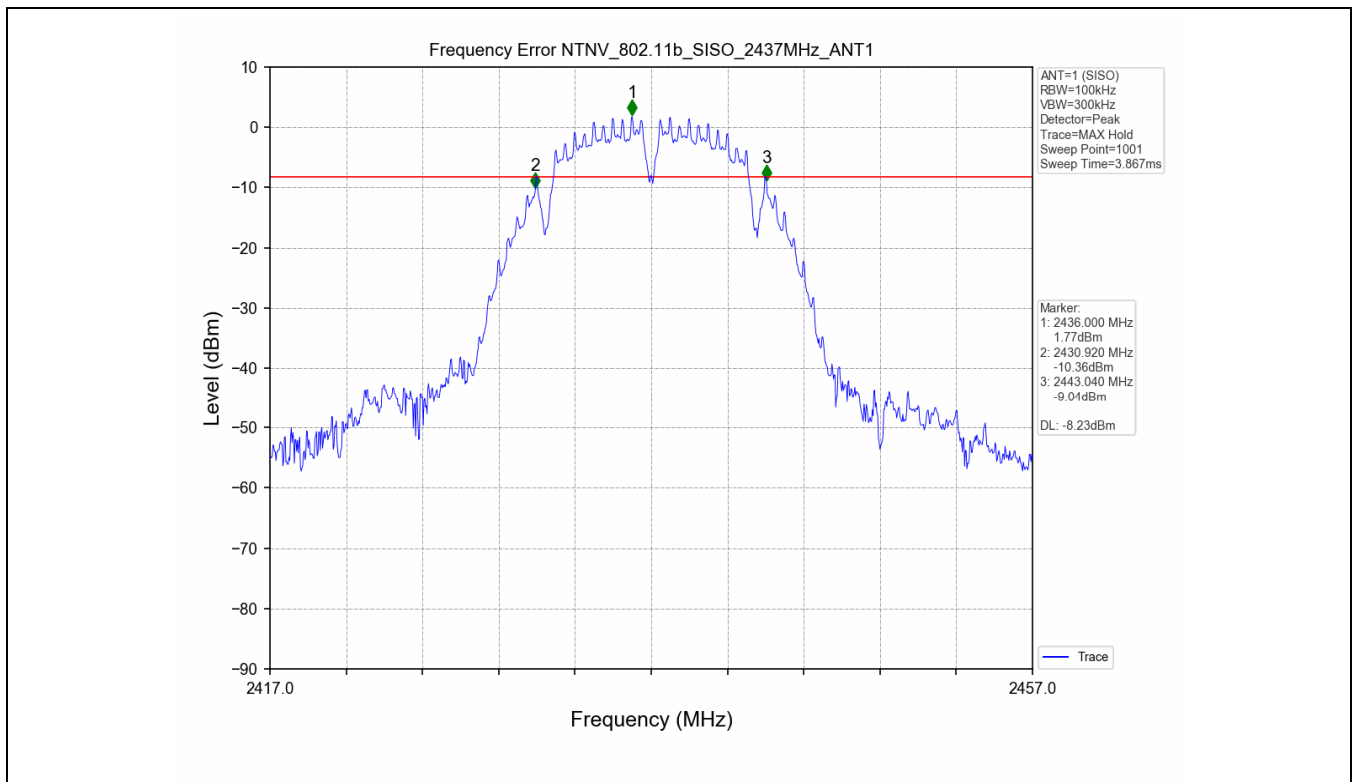
#### 6.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT	Measured Frequency (MHz)		Verdict
				Test Result	Limit	
802.11b	2412	SISO	1	2411.98	2400-2483.5	PASS
	2437	SISO	1	2436.98	2400-2483.5	PASS
	2462	SISO	1	2461.98	2400-2483.5	PASS
802.11n(HT40)	2422	SISO	1	2421.96	2400-2483.5	PASS
	2437	SISO	1	2436.96	2400-2483.5	PASS
	2452	SISO	1	2451.96	2400-2483.5	PASS

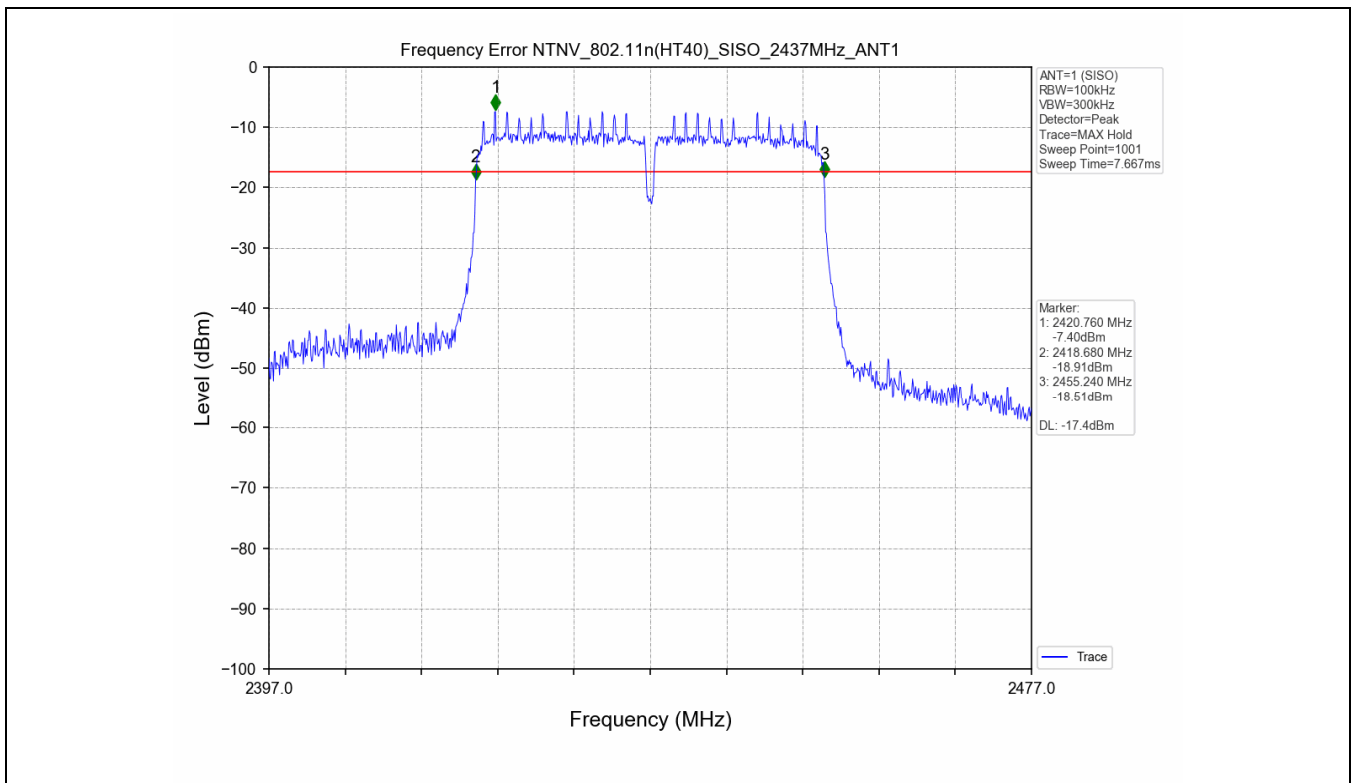
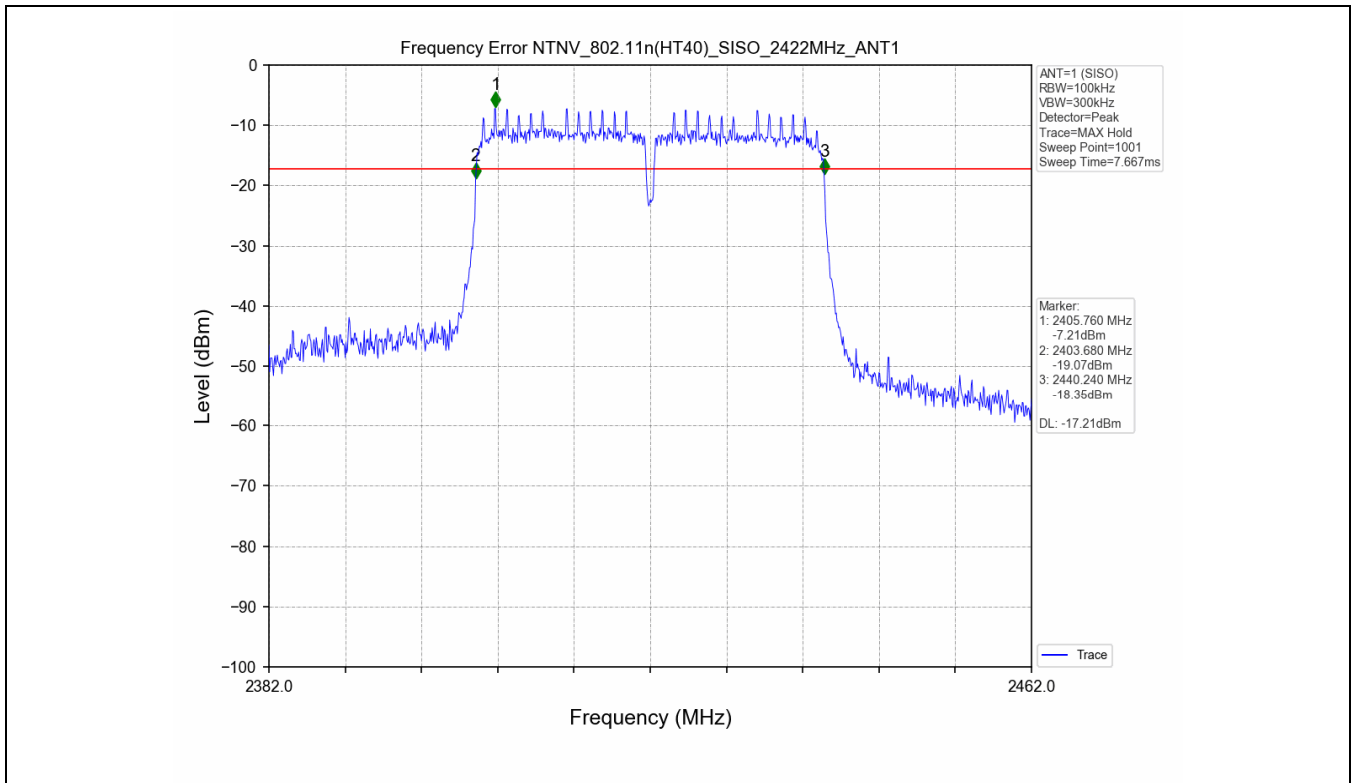
Remark: Only record the worst case in the report.

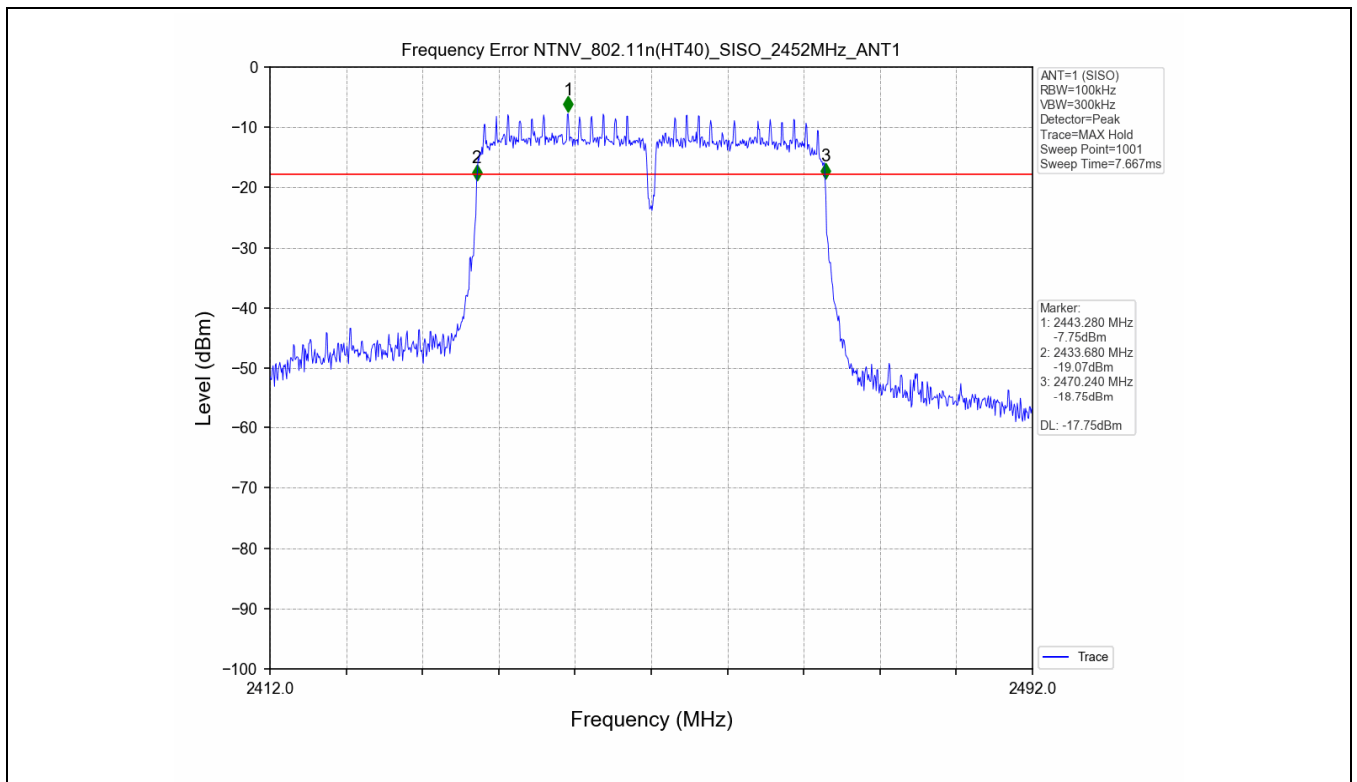
#### 6.2 Test Graph











- End of the Report -

