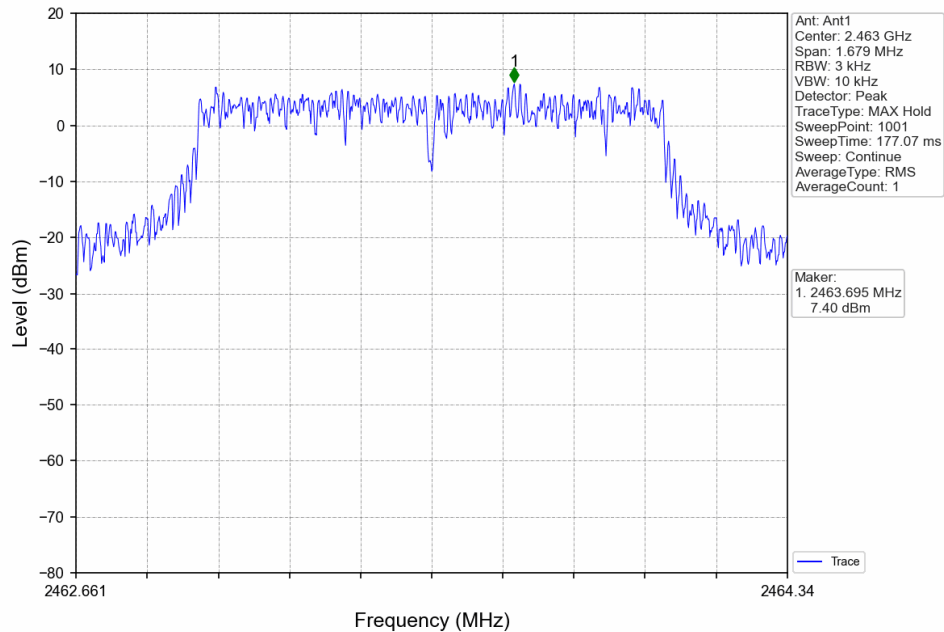
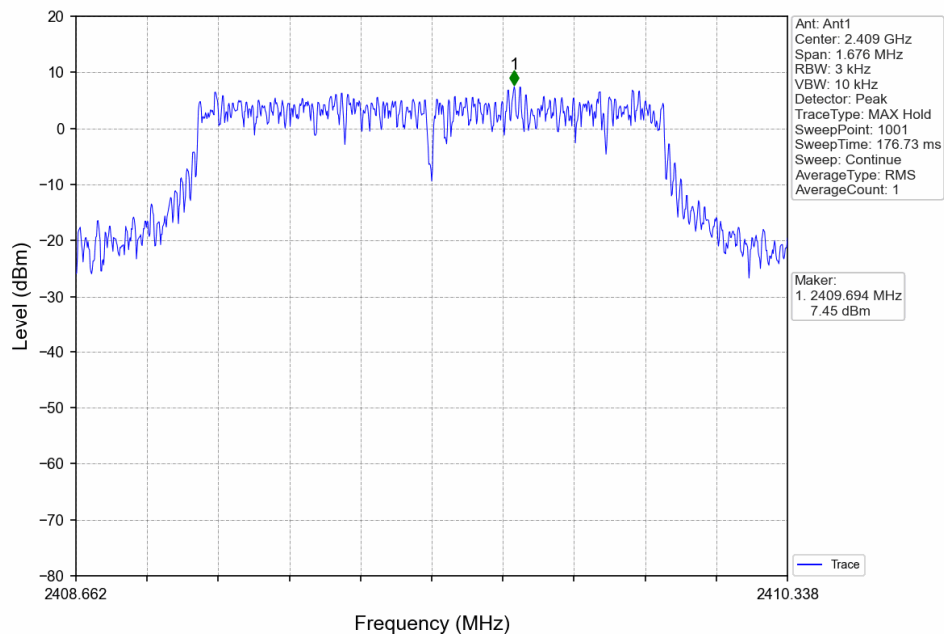


1.4_HCH_2463.5MHz_Ant1_NTNV



1.4_LCH_2409.5MHz_Ant2_NTNV

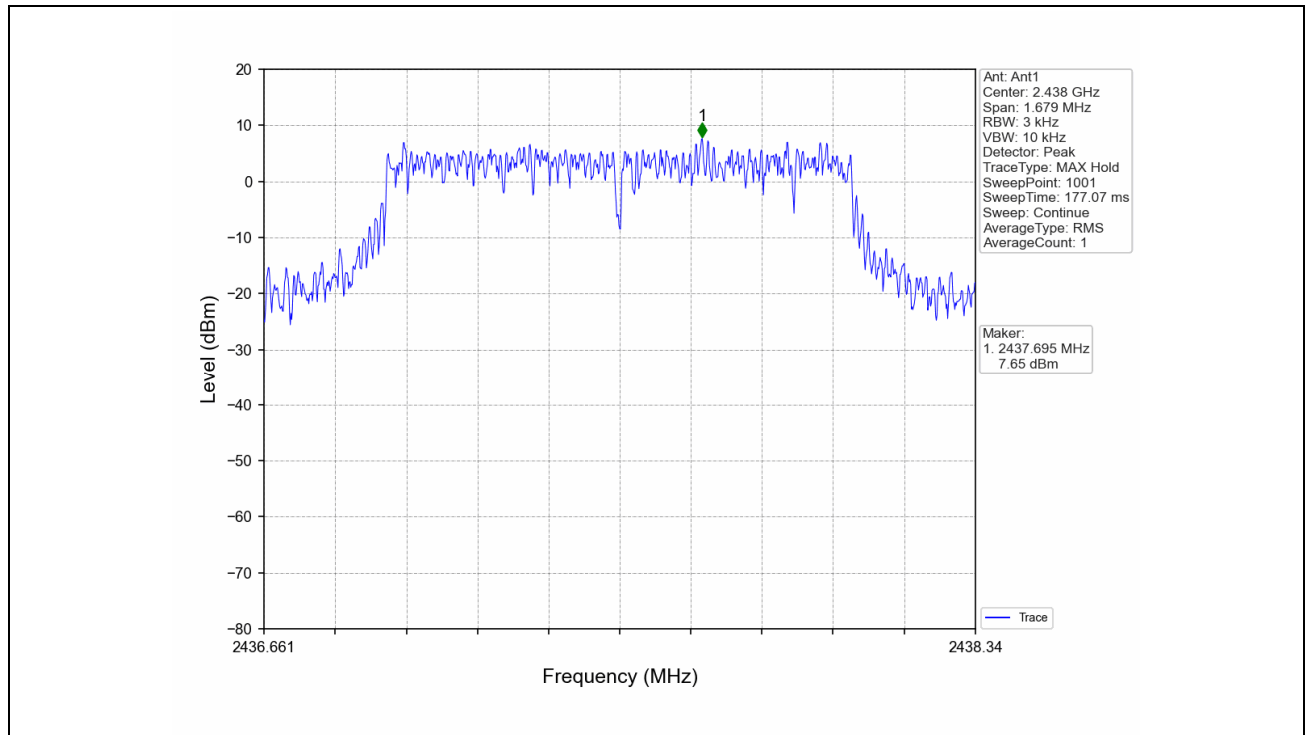


1.4_MCH_2437.5MHz_Ant2_NTNV

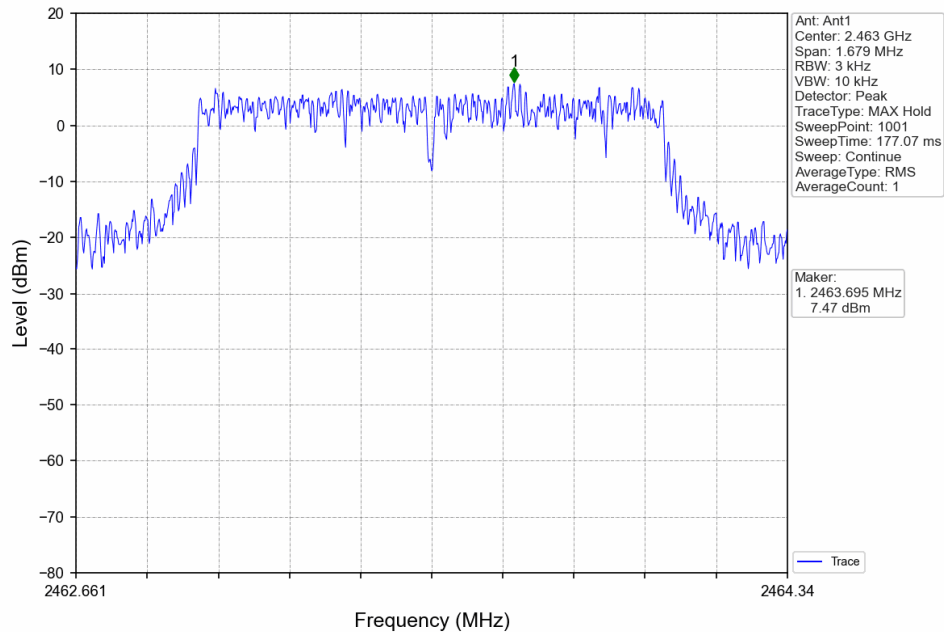


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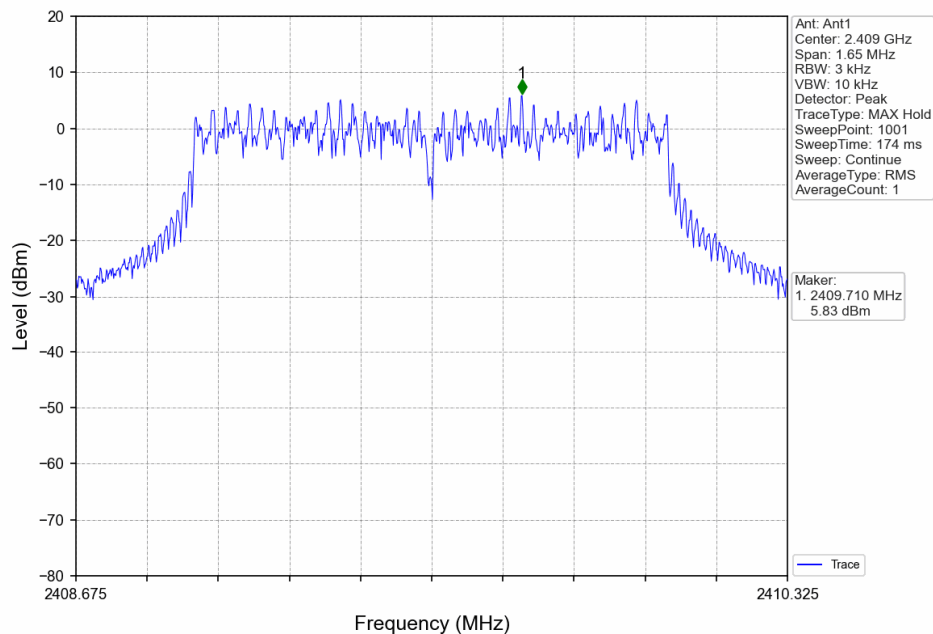
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1.4_HCH_2463.5MHz_Ant2_NTNV



1_LCH_2409.5MHz_Ant1_NTNV

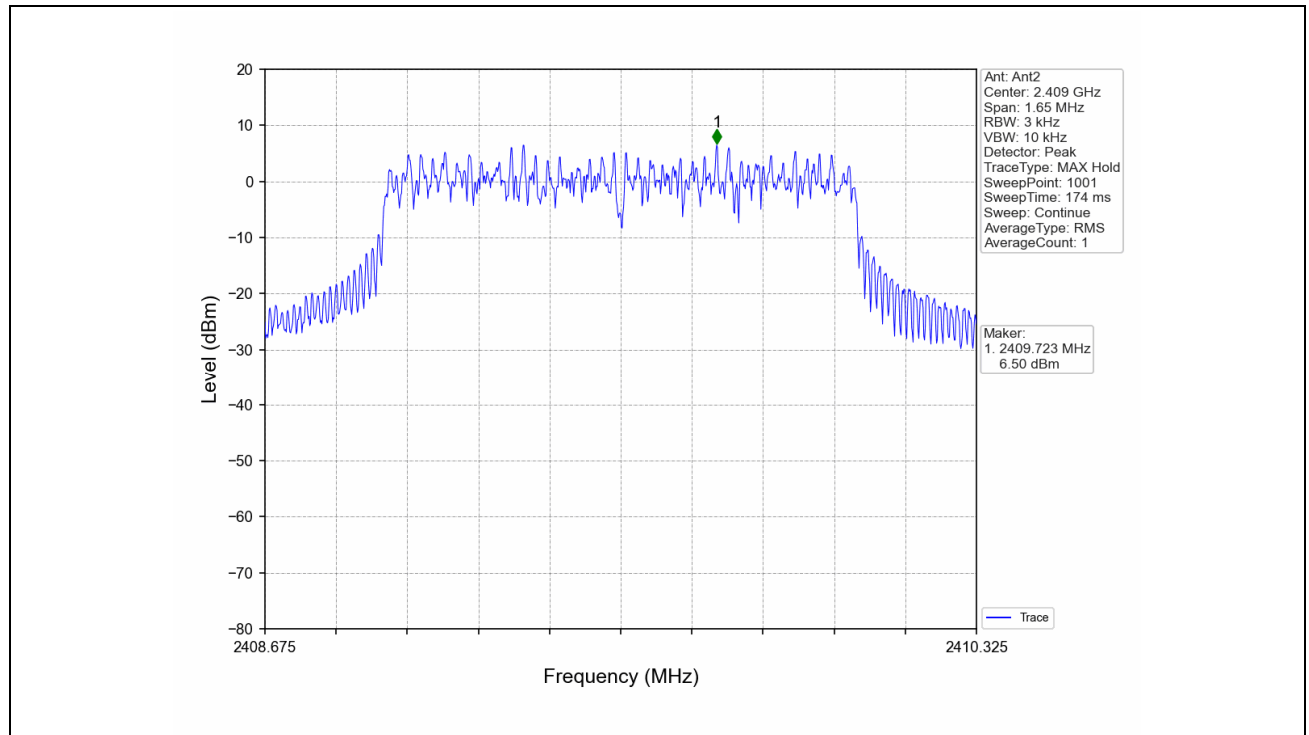


1_LCH_2409.5MHz_Ant2_NTNV

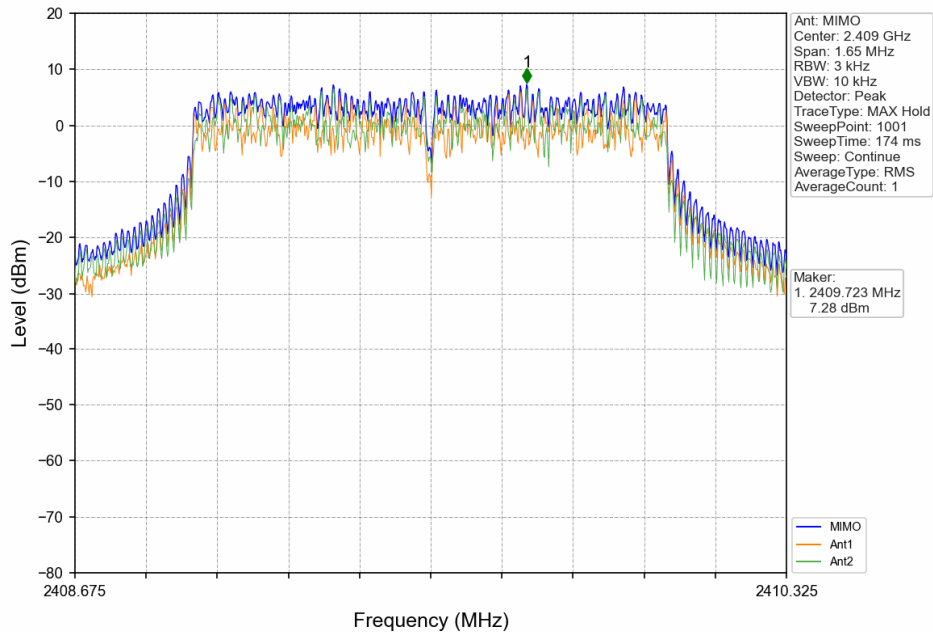


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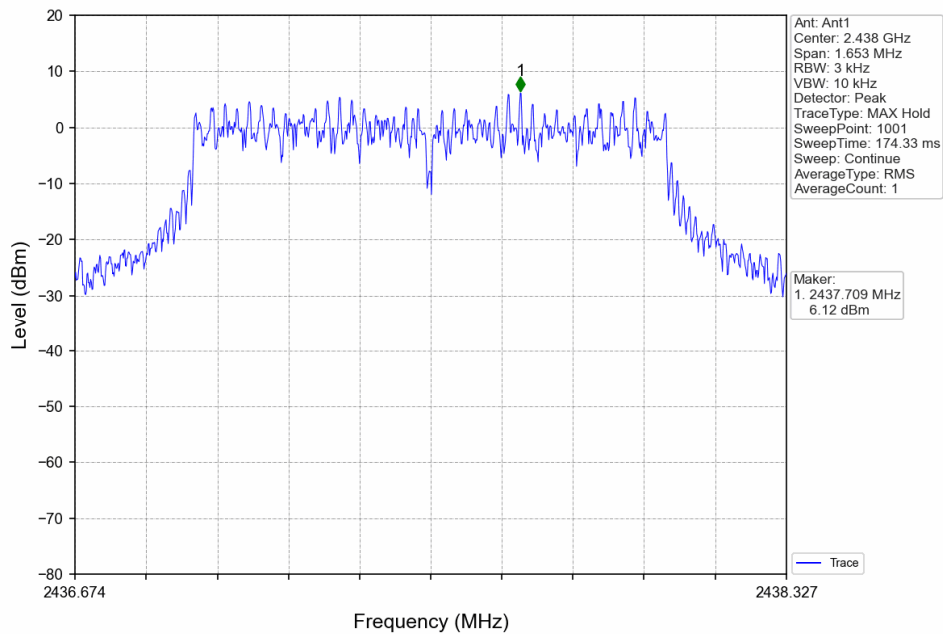
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1_LCH_2409.5MHz_MIMO_NTNV



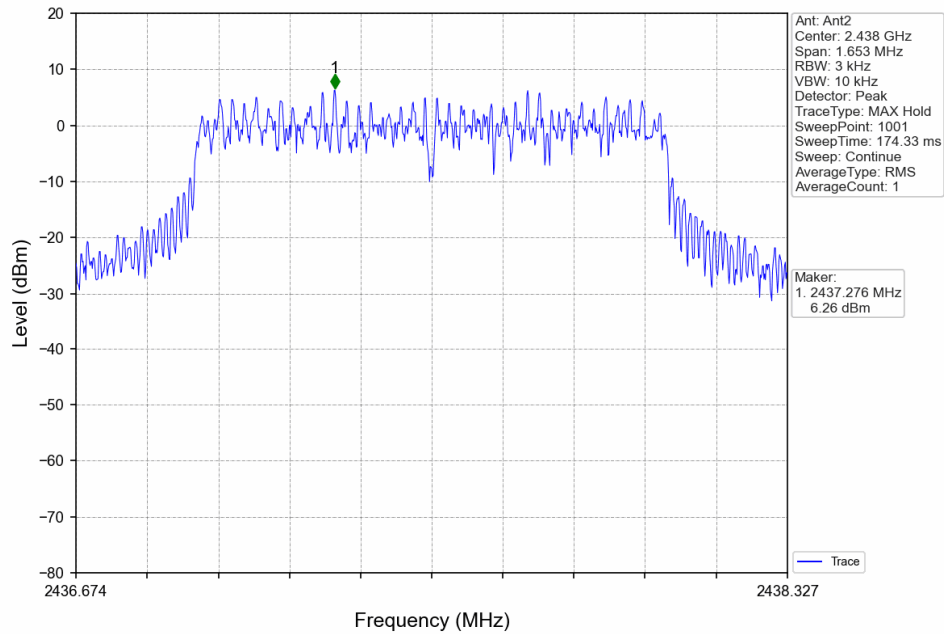
1_MCH_2437.5MHz_Ant1_NTNV



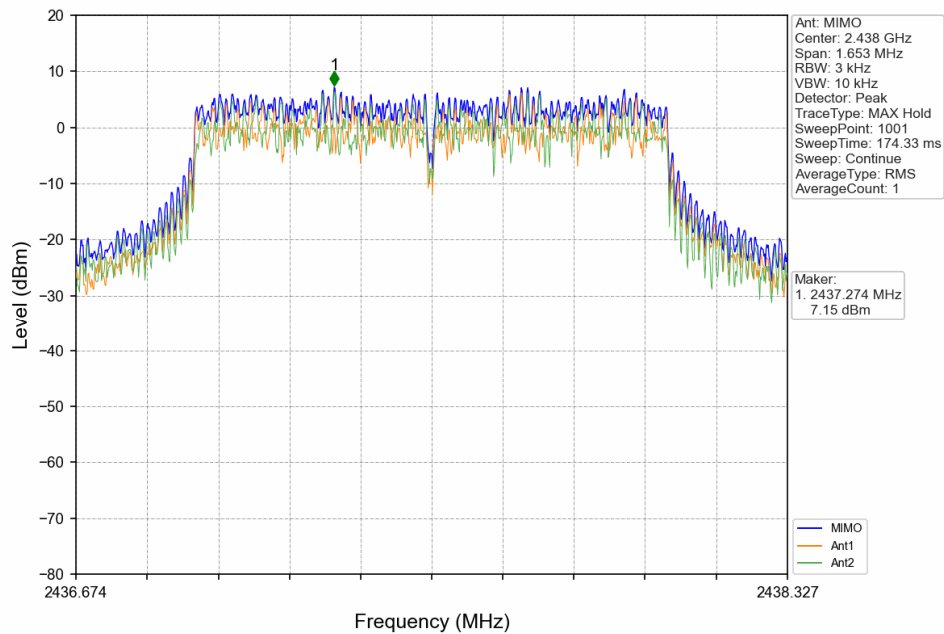
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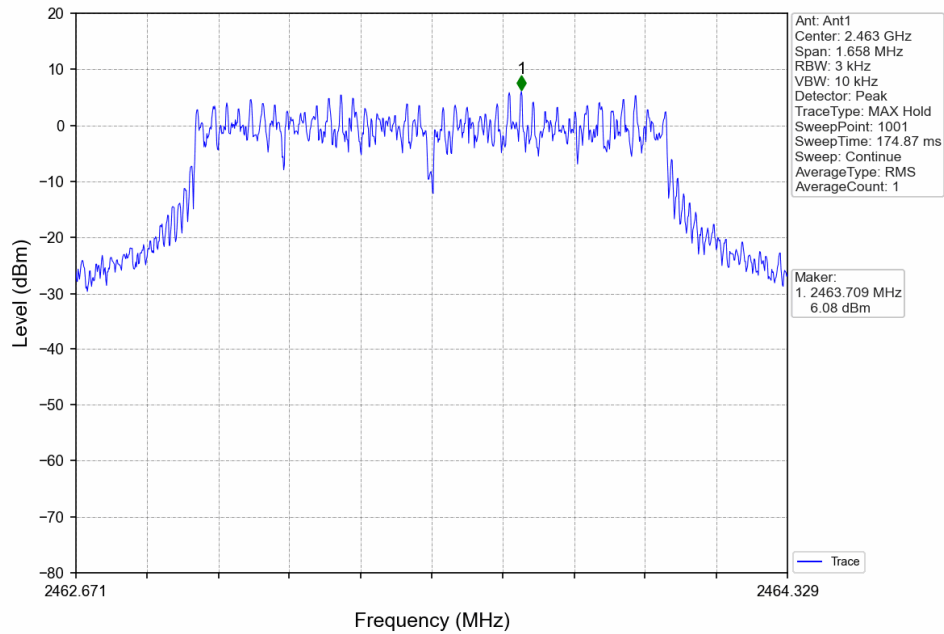
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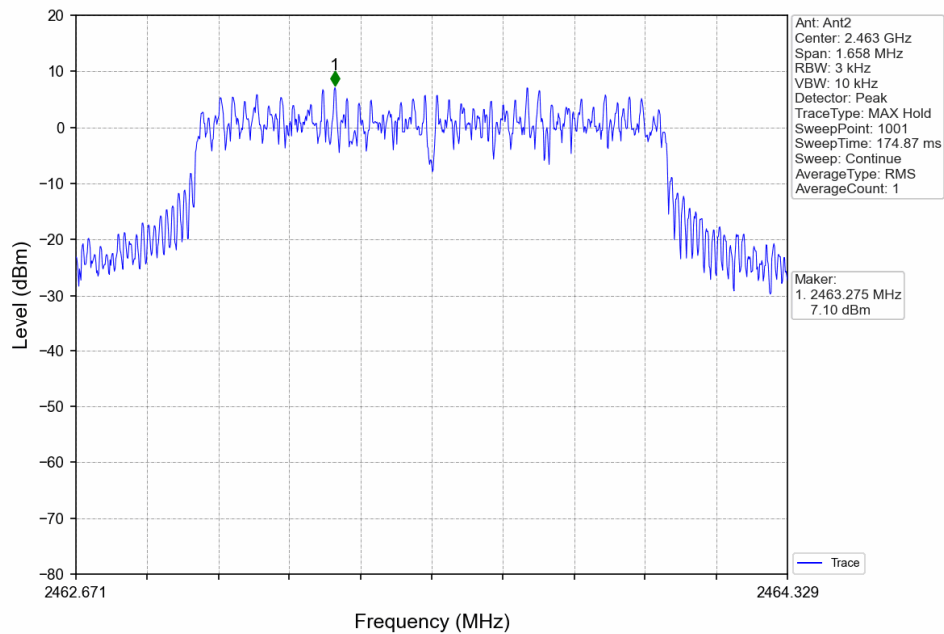
1_MCH_2437.5MHz_MIMO_NTNV



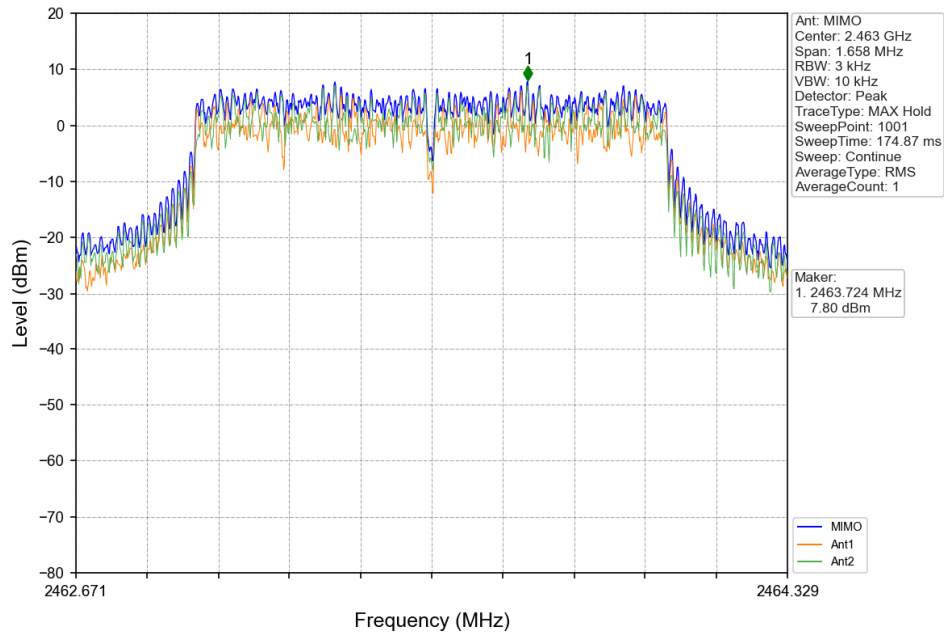
1_HCH_2463.5MHz_Ant1_NTNV



1_HCH_2463.5MHz_Ant2_NTNV



1_HCH_2463.5MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

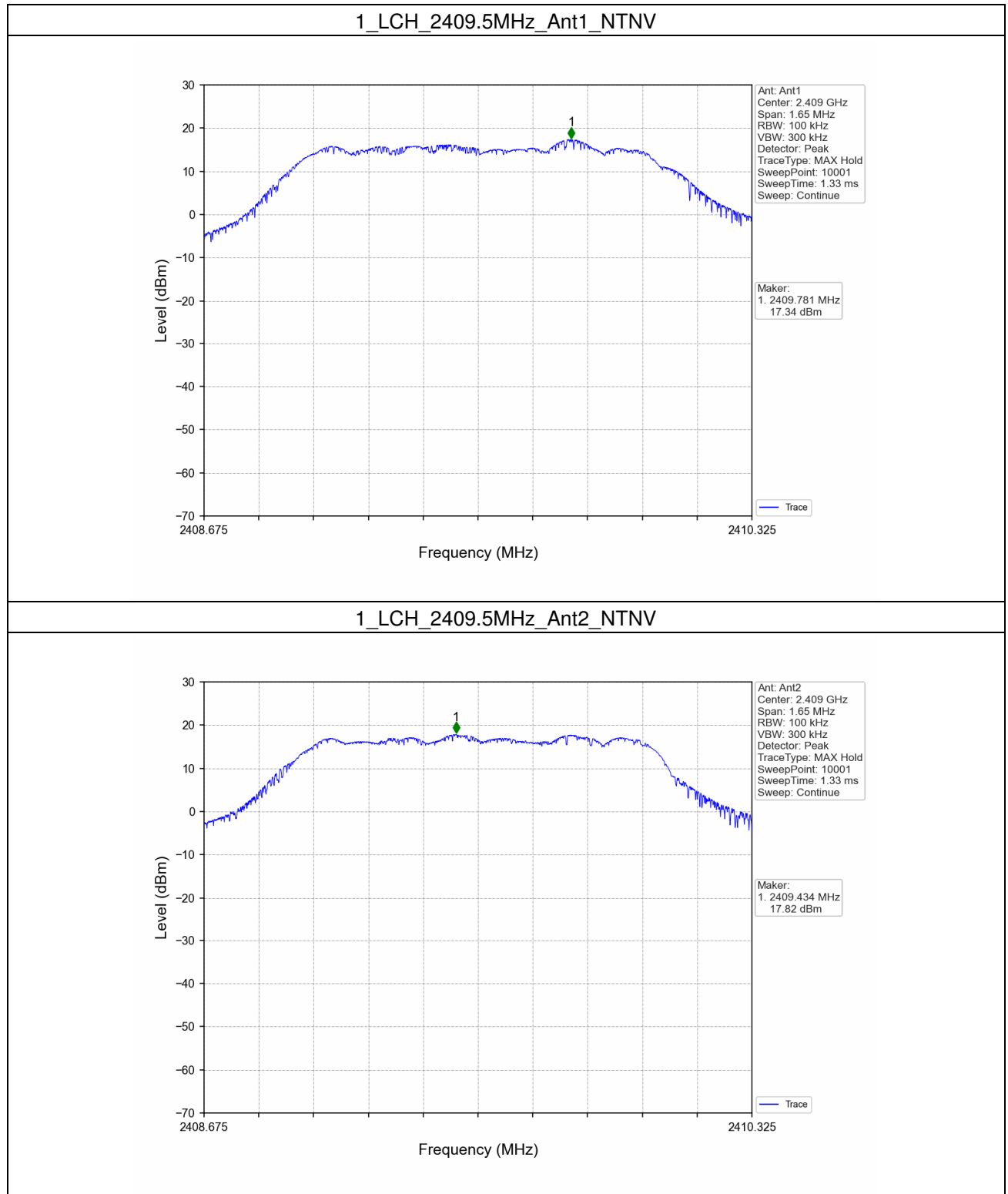
5.1 Ref

5.1.1 Test Result

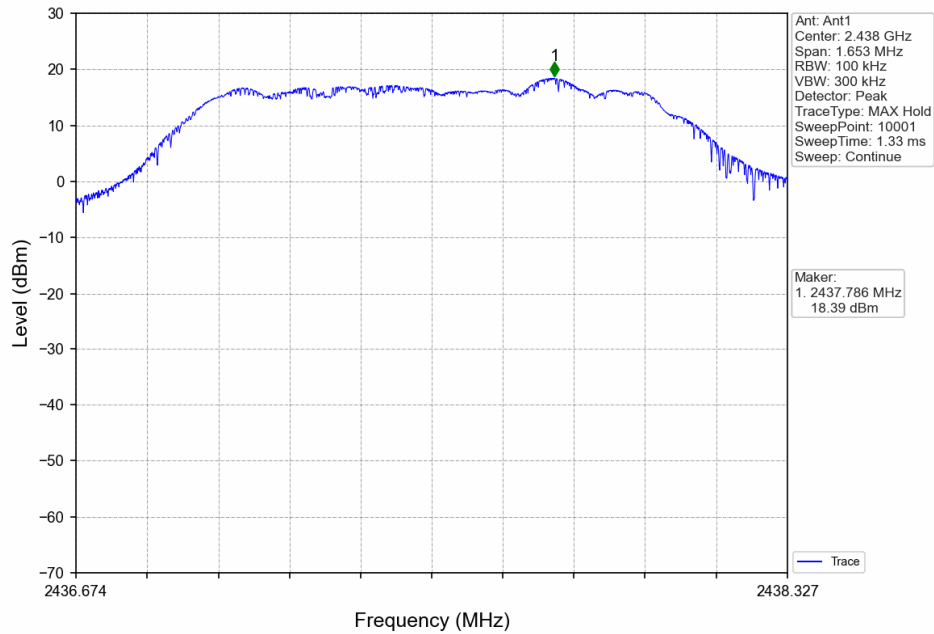
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1.4M	MIMO	2409.5	1	17.34	/	/
			2	17.82	/	/
		2437.5	1	18.39	/	/
			2	19.16	/	/
		2463.5	1	18.88	/	/
			2	19.94	/	/

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

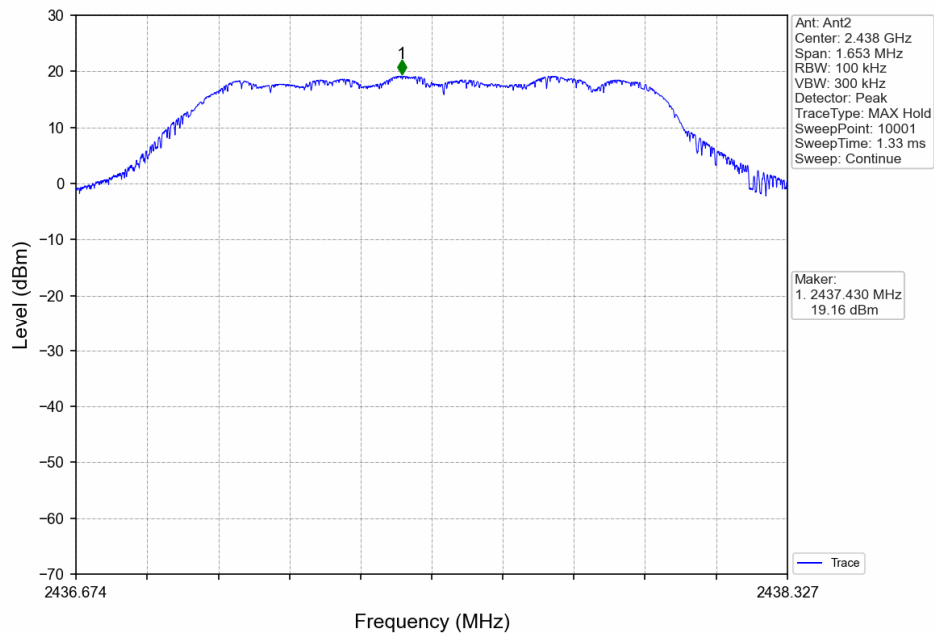
5.1.2 Test Graph



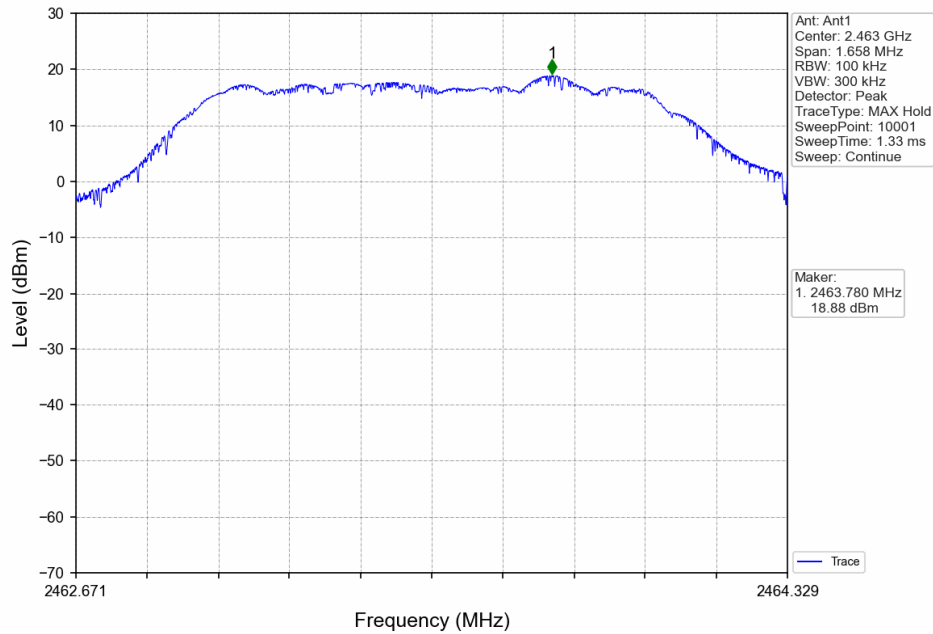
1_MCH_2437.5MHz_Ant1_NTNV



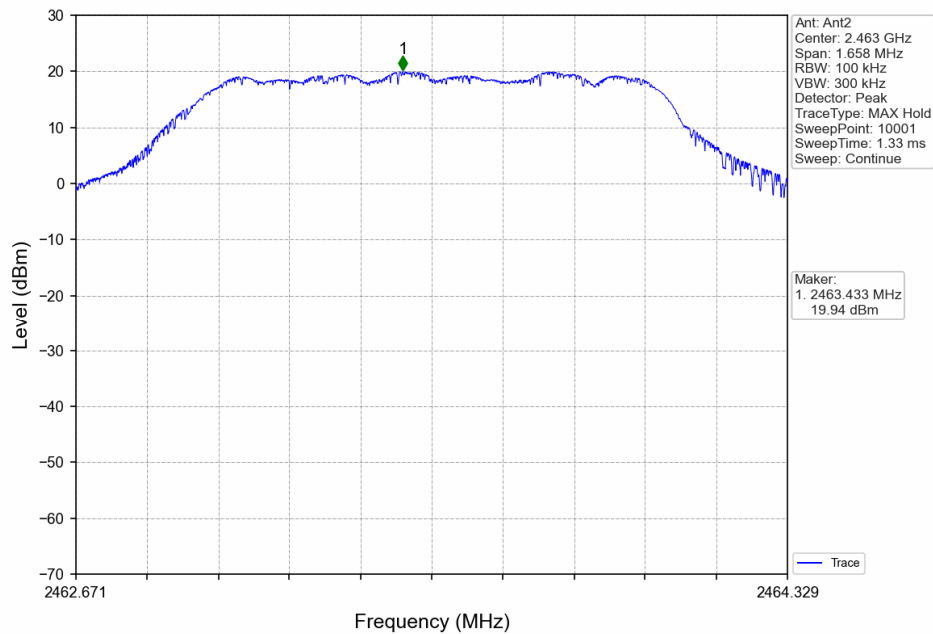
1_MCH_2437.5MHz_Ant2_NTNV



1_HCH_2463.5MHz_Ant1_NTNV



1_HCH_2463.5MHz_Ant2_NTNV



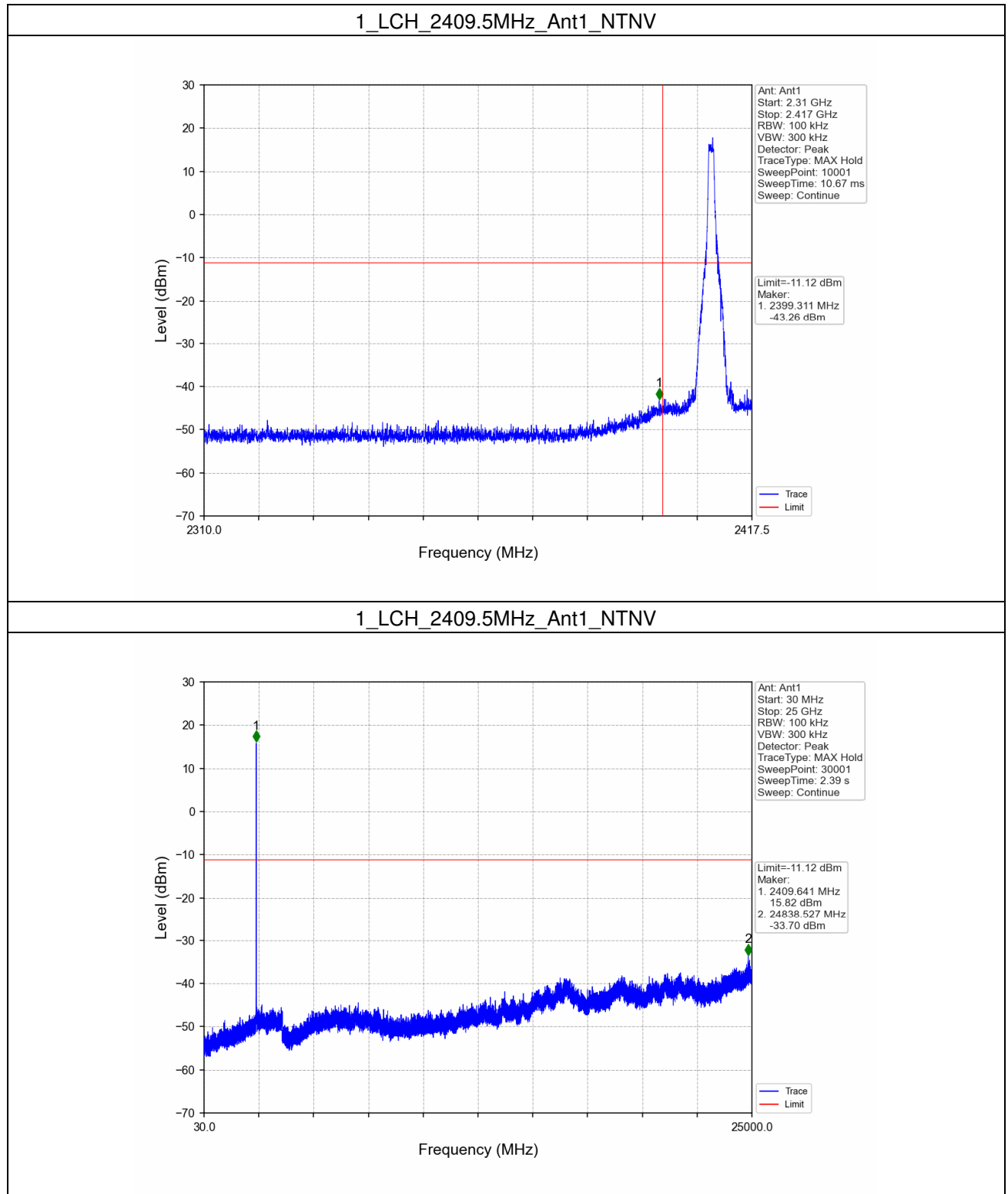
5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1.4M	MIMO	2409.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2437.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2463.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass

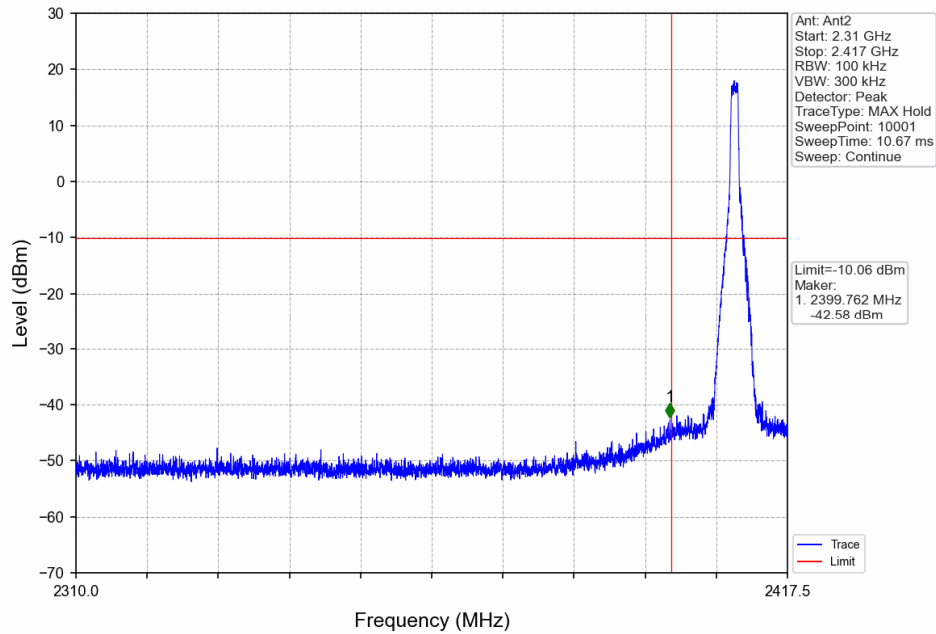
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph

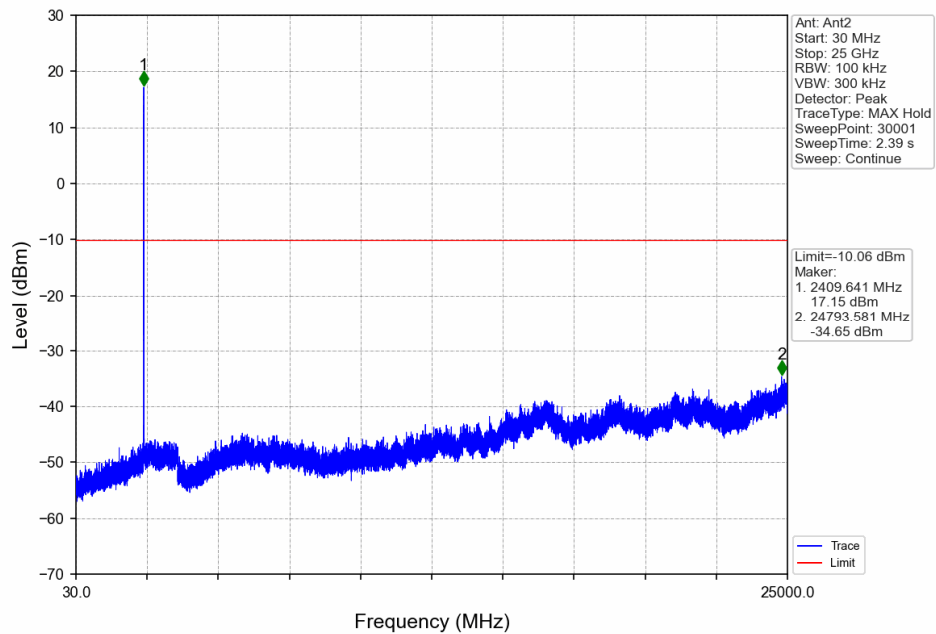


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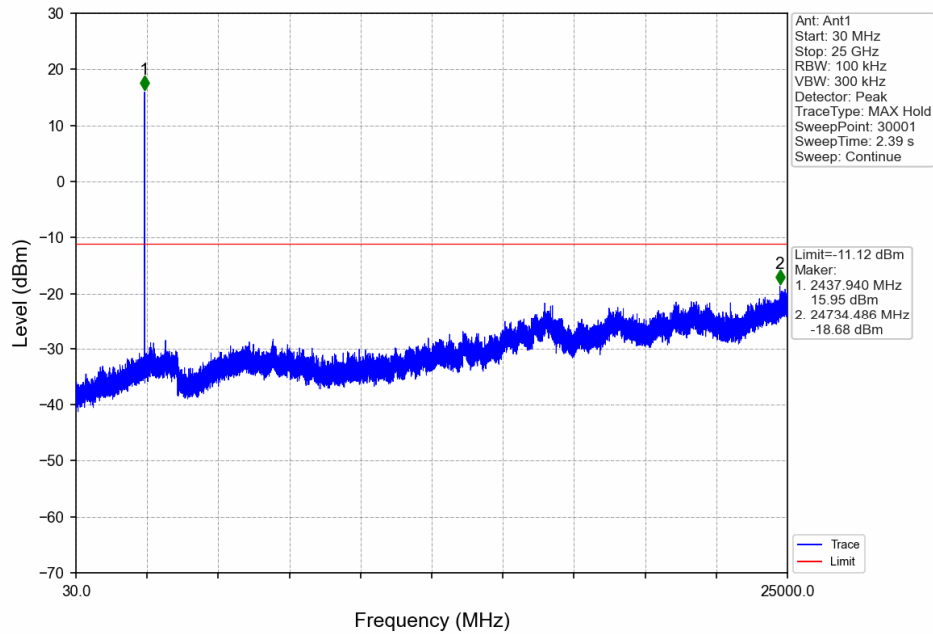
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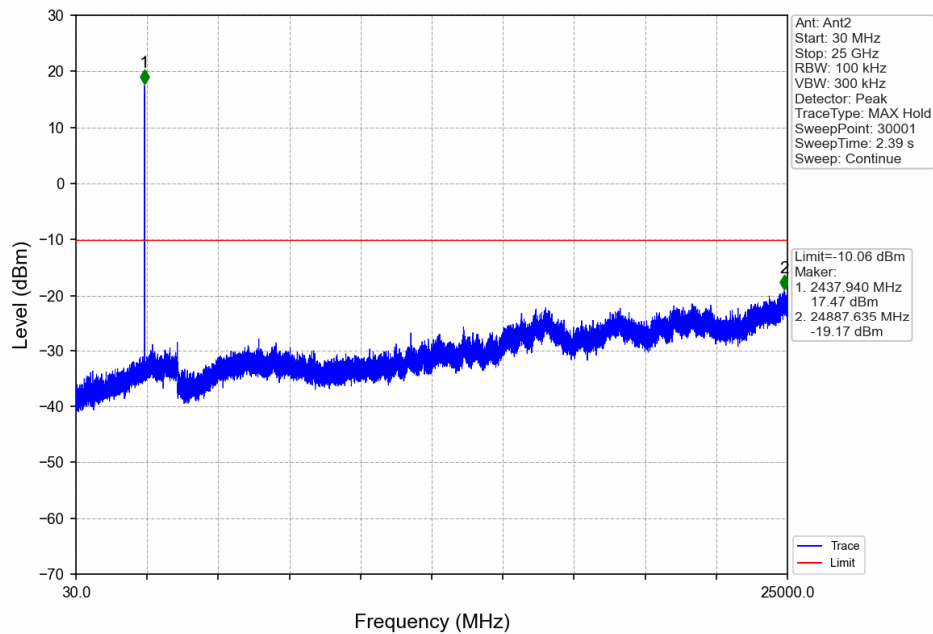
1_LCH_2409.5MHz_Ant2_NTNV



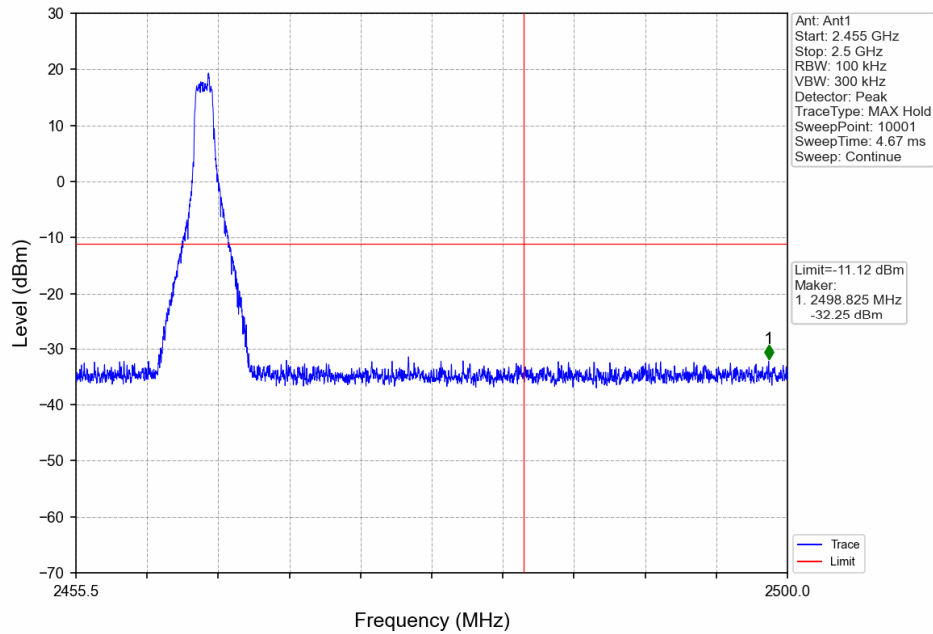
1_MCH_2437.5MHz_Ant1_NTNV



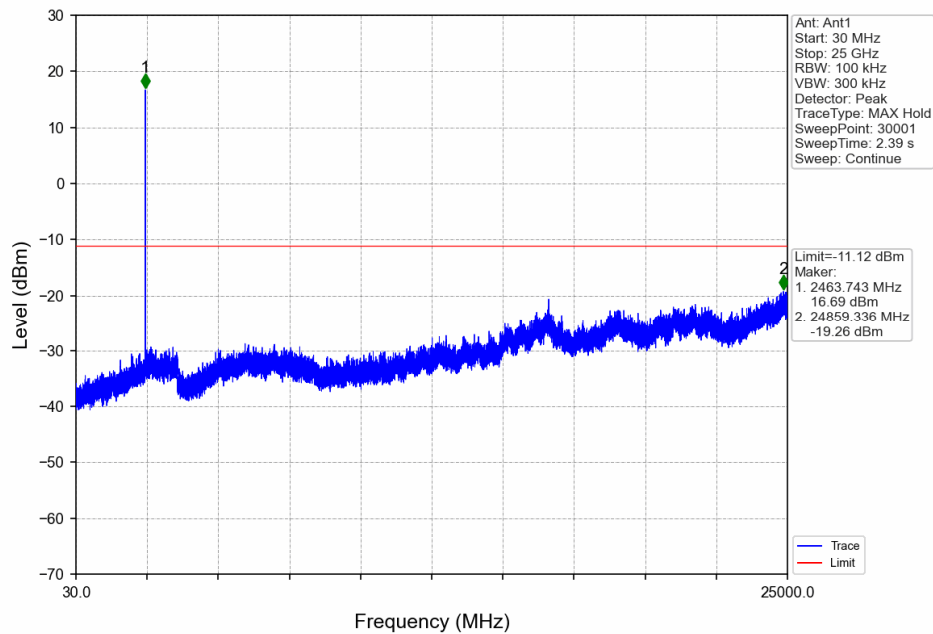
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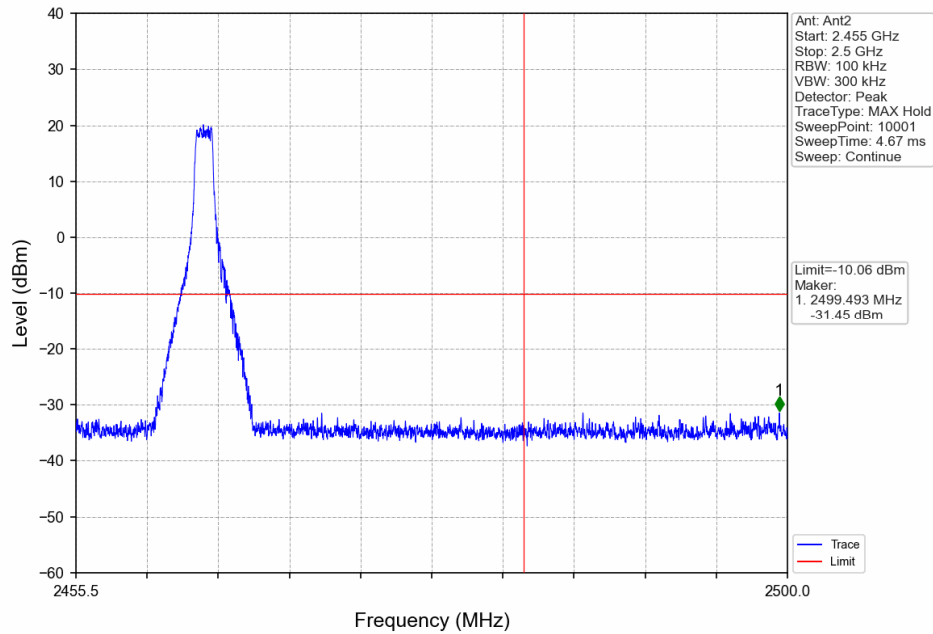
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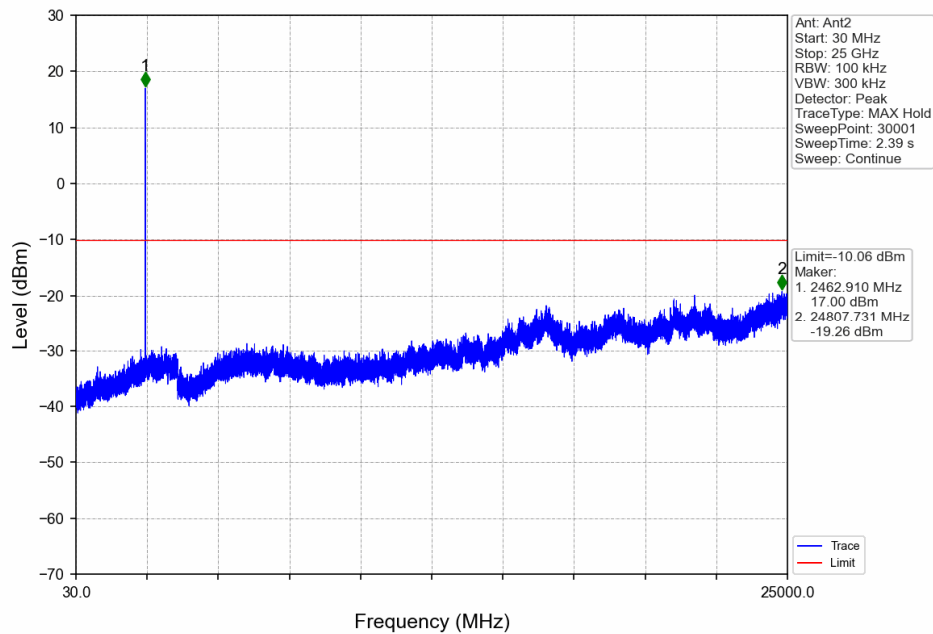
1_HCH_2463.5MHz_Ant1_NTNV



1_HCH_2463.5MHz_Ant2_NTNV



1_HCH_2463.5MHz_Ant2_NTNV



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1.4MHz CA BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

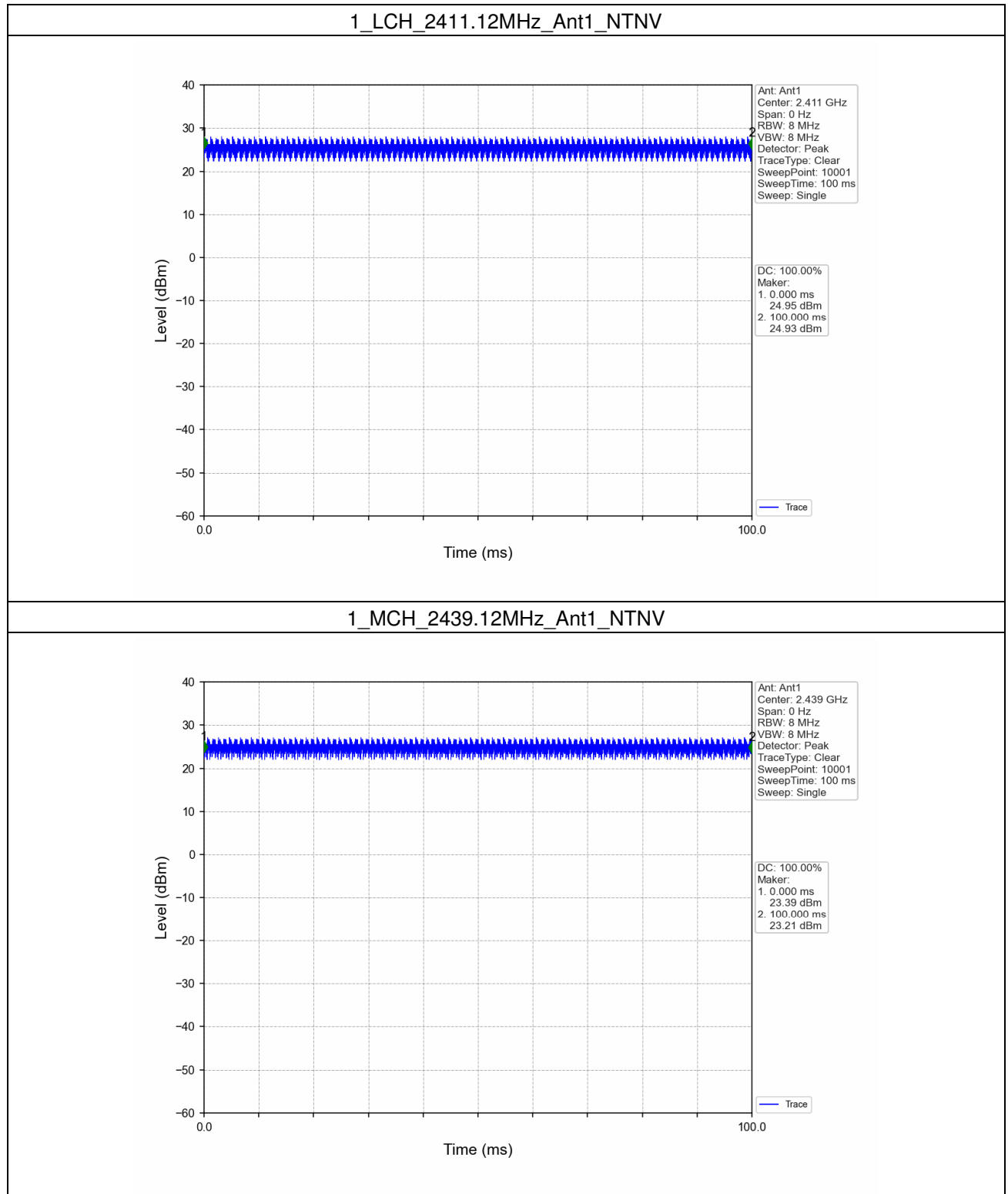
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M CA	MIMO	2411.12	100.00	100.00	100.00	0.00	0.00
		2439.12	100.00	100.00	100.00	0.00	0.00
		2465.12	100.00	100.00	100.00	0.00	0.00



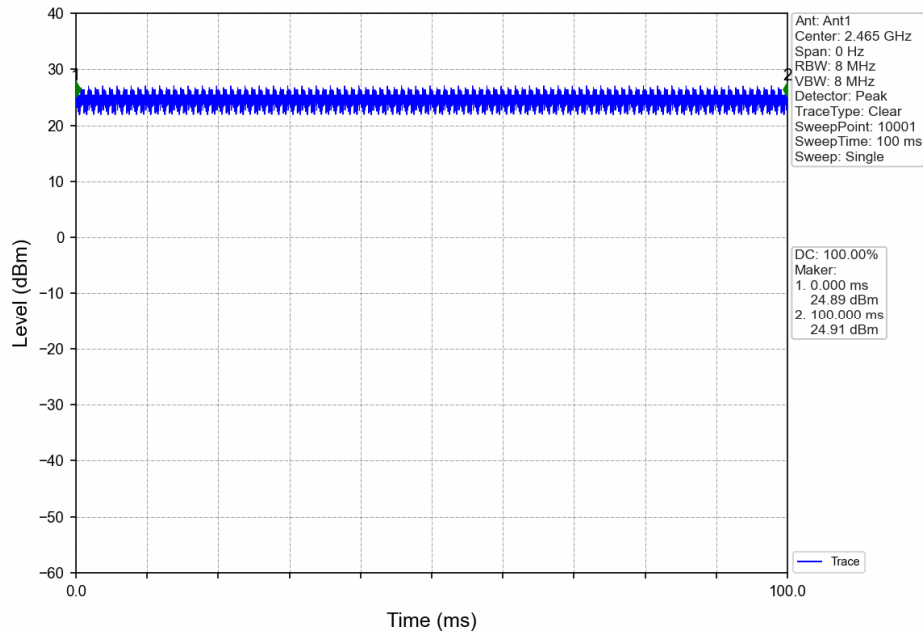
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1.1.2 Test Graph



1_HCH_2465.12MHz_Ant1_NTNV



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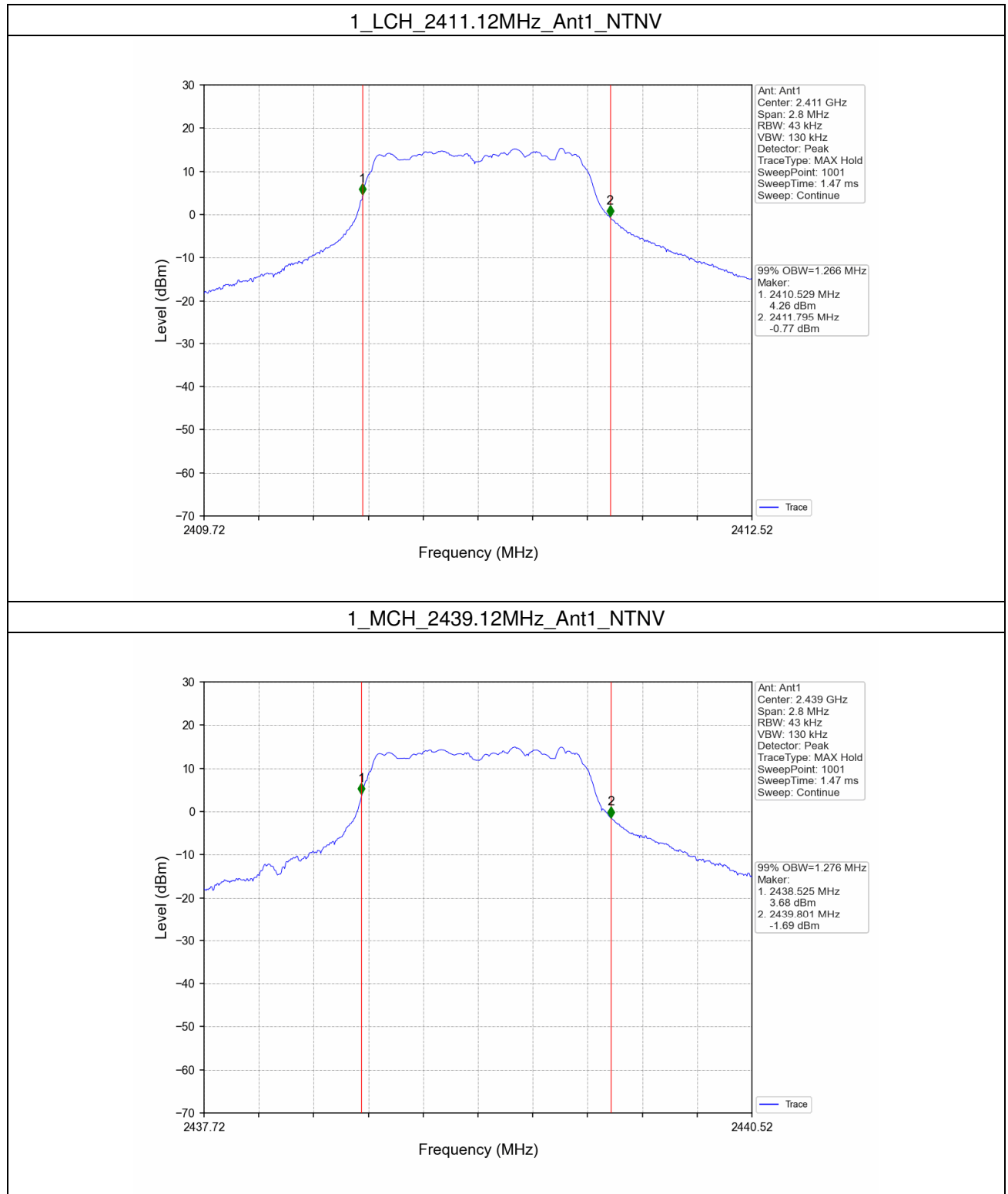
2. Bandwidth

2.1 OBW

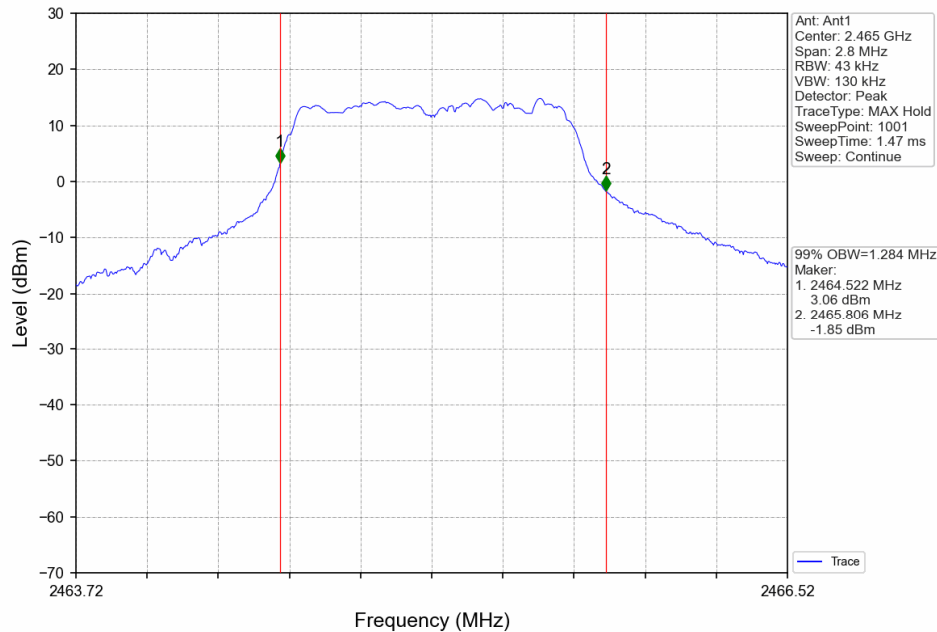
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1.4M CA	MIMO	2411.12	1	1.27	/	Pass
		2439.12	1	1.28	/	Pass
		2465.12	1	1.28	/	Pass

2.1.2 Test Graph



1_HCH_2465.12MHz_Ant1_NTNV



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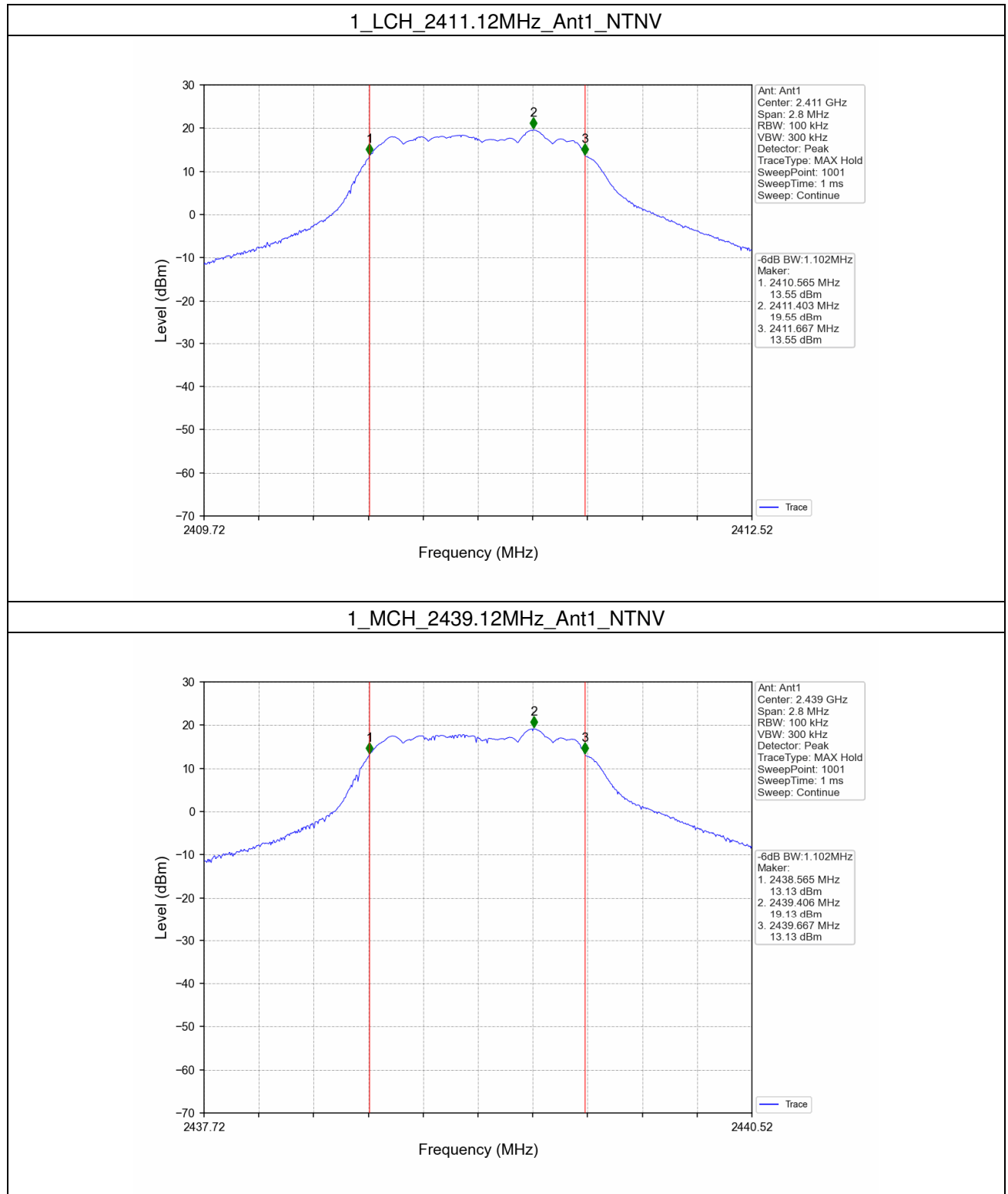
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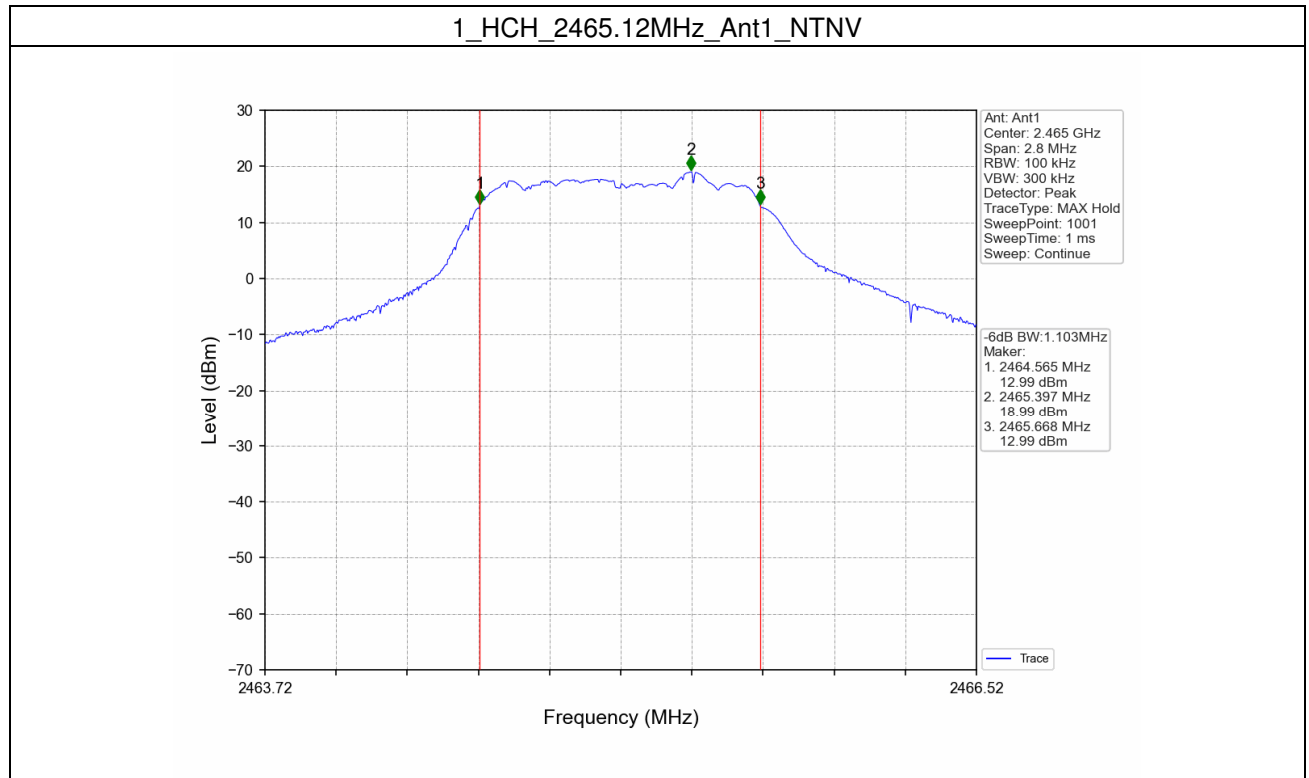
2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
1.4M CA	MIMO	2411.12	1	1.10	≥ 0.5	Pass
		2439.12	1	1.10	≥ 0.5	Pass
		2465.12	1	1.10	≥ 0.5	Pass

2.2.2 Test Graph





3. Maximum Conducted Output Power**3.1 Power****3.1.1 Test Result**

Antenna 1:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
1.4M CA	SISO	2411.12	24.77	<=30	Pass
		2439.12	24.48	<=30	Pass
		2465.12	24.59	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Antenna 2:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
1.4M CA	SISO	2411.12	24.15	<=30	Pass
		2439.12	24.18	<=30	Pass
		2465.12	24.67	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
1.4M CA	MIMO	2411.12	20.97	21.41	24.21	<=29.9	Pass
		2439.12	21.67	21.67	24.68	<=29.9	Pass
		2465.12	21.80	21.58	24.70	<=29.9	Pass

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;

Note2: Directional Gain= $G_{Ant}+10\log(N_{Ant})$ dBi = $3.0+10\log(2)$ dBi = 6.01dBi

4. Maximum Power Spectral Density**4.1 PSD****4.1.1 Test Result**

Antenna 1:

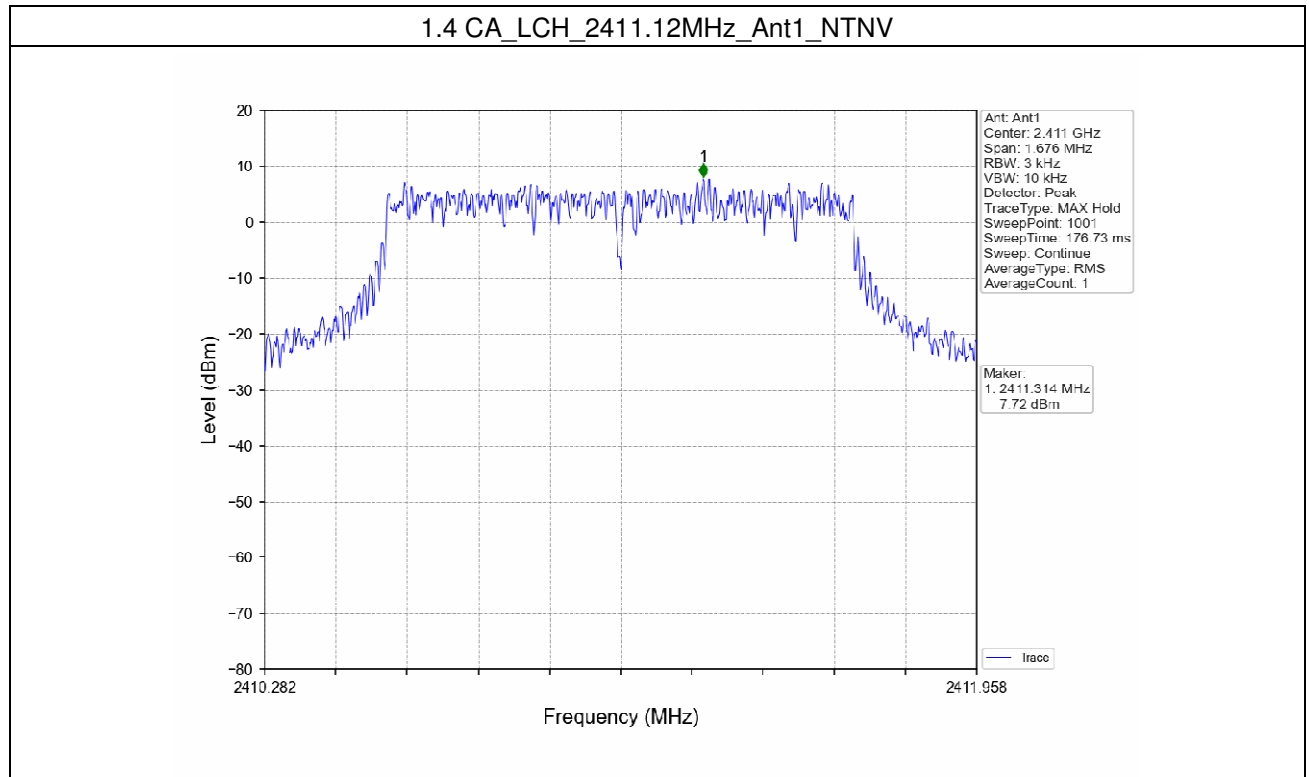
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1.4 CA	SISO	2411.12	7.72	<=8	Pass
		2439.12	7.46	<=8	Pass
		2465.12	7.34	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

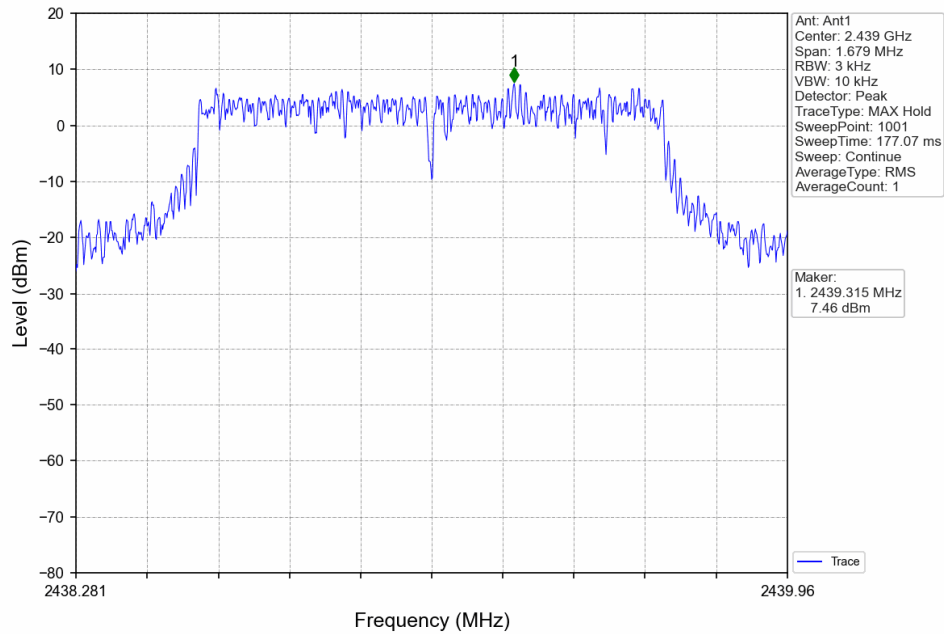
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
1.4 CA	SISO	2411.12	7.55	<=8	Pass
		2439.12	7.64	<=8	Pass
		2465.12	7.37	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
			Ant1	Ant2	Sum		
1.4M CA	MIMO	2411.12	6.44	6.95	7.72	<=8	Pass
		2439.12	6.22	6.28	7.21	<=8	Pass
		2465.12	6.12	6.99	7.74	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;							

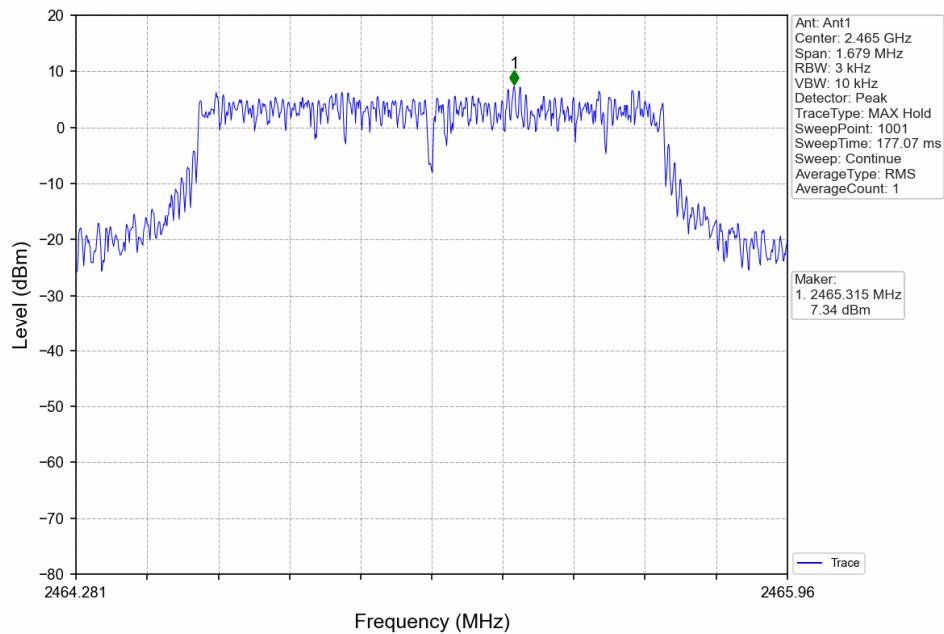
4.1.2 Test Graph



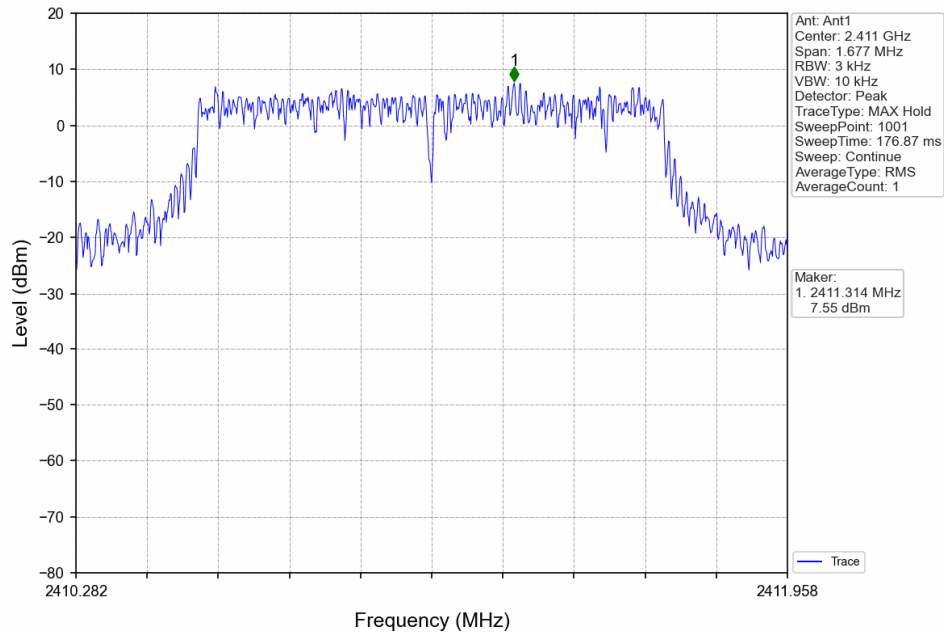
1.4 CA_MCH_2439.12MHz_Ant1_NTNV



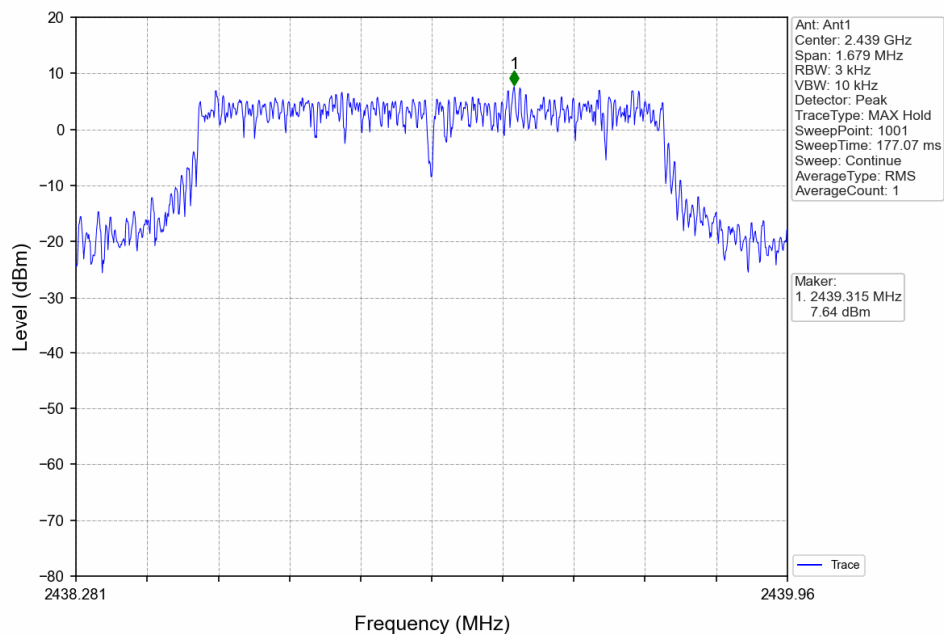
1.4 CA_HCH_2465.12MHz_Ant1_NTNV



1.4 CA_LCH_2411.12MHz_Ant2_NTNV



1.4 CA_MCH_2439.12MHz_Ant2_NTNV

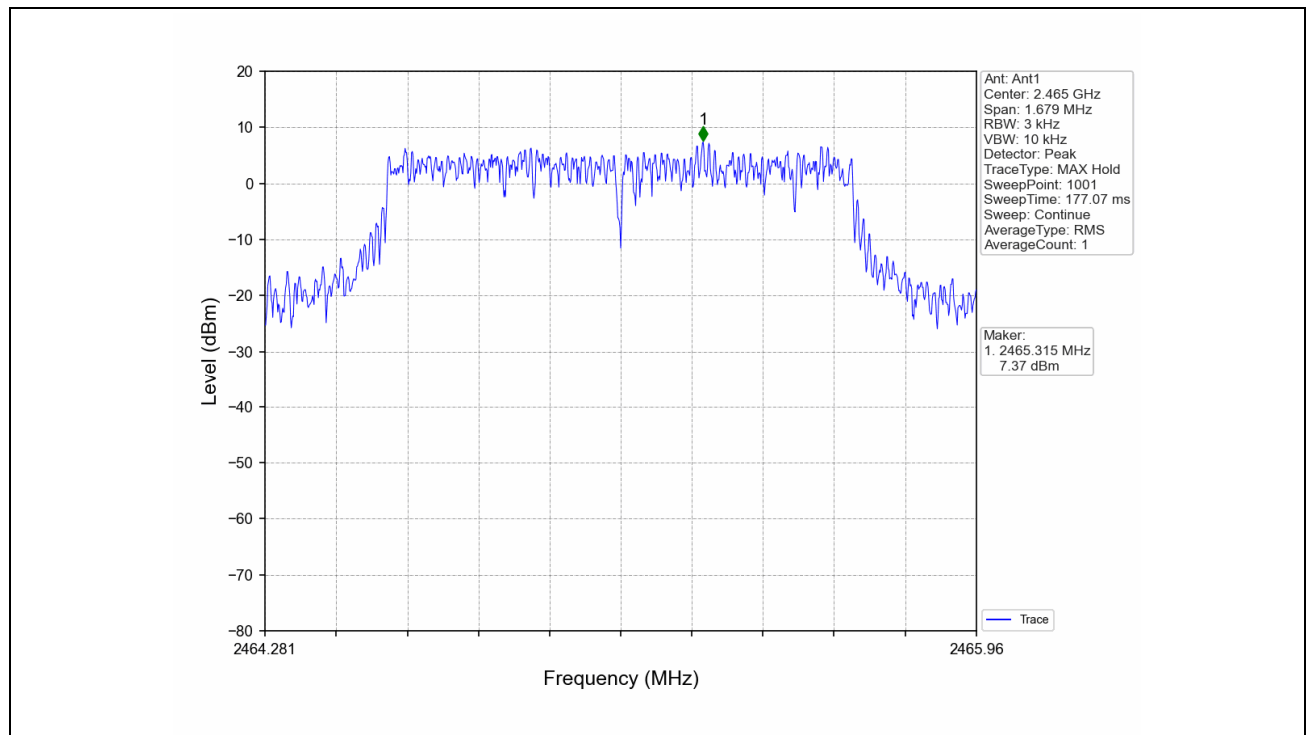


1.4 CA_HCH_2465.12MHz_Ant2_NTNV



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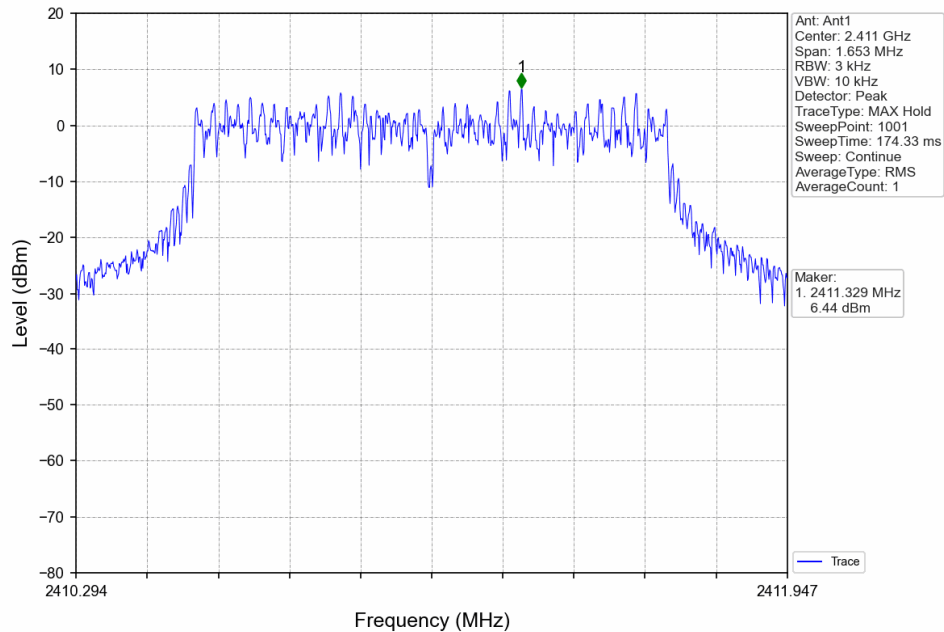
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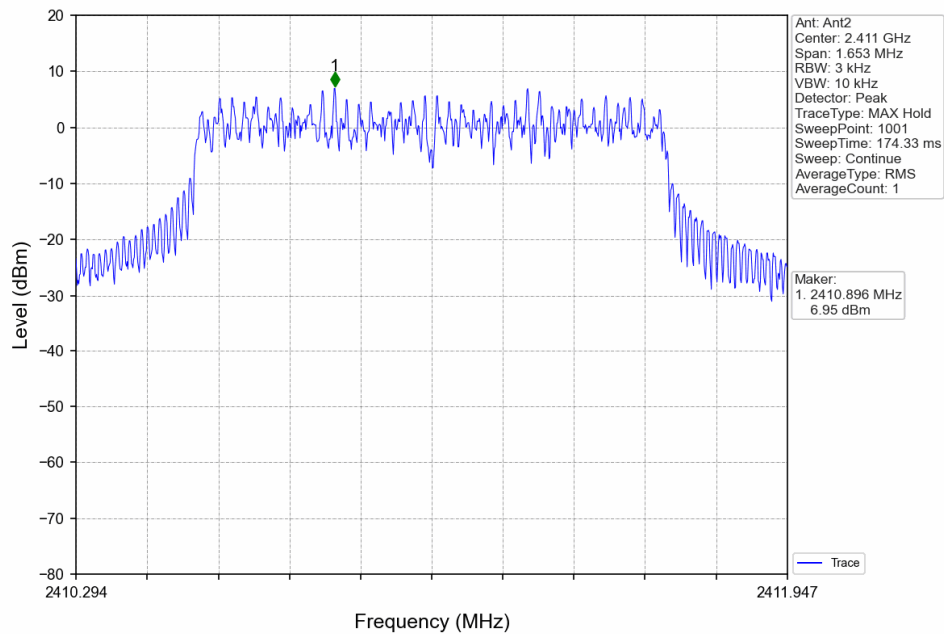
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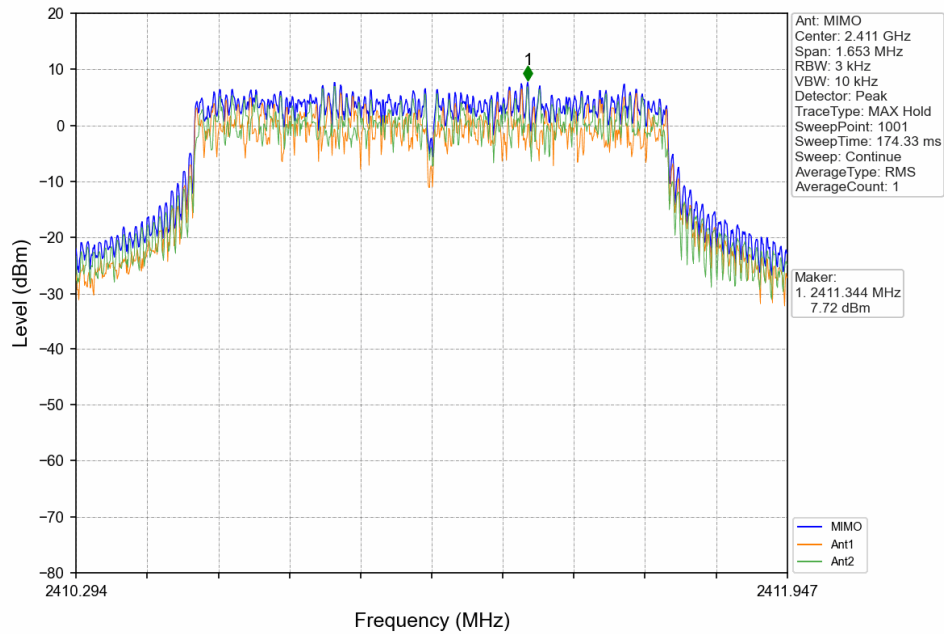
1_LCH_2411.12MHz_Ant1_NTNV



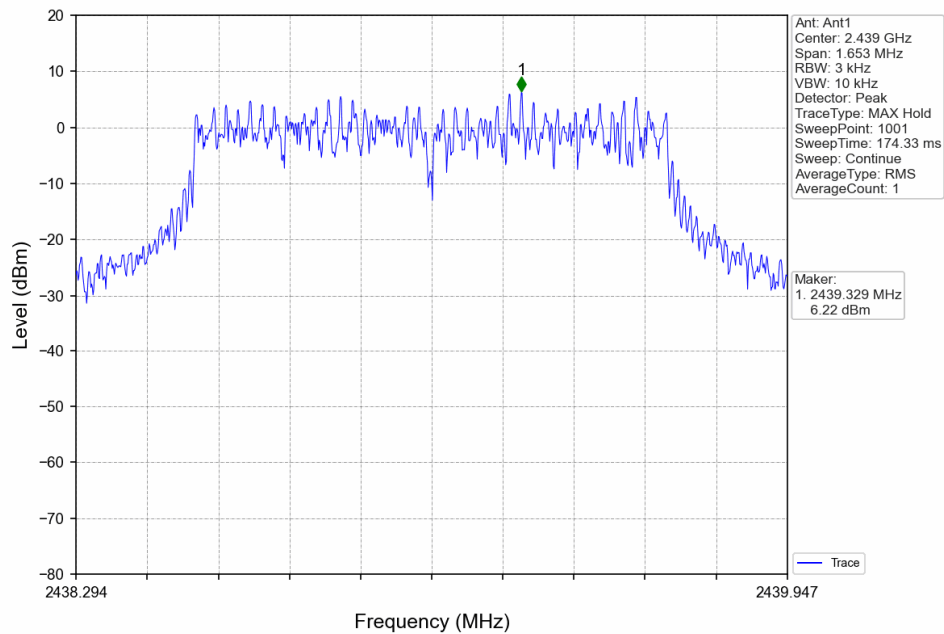
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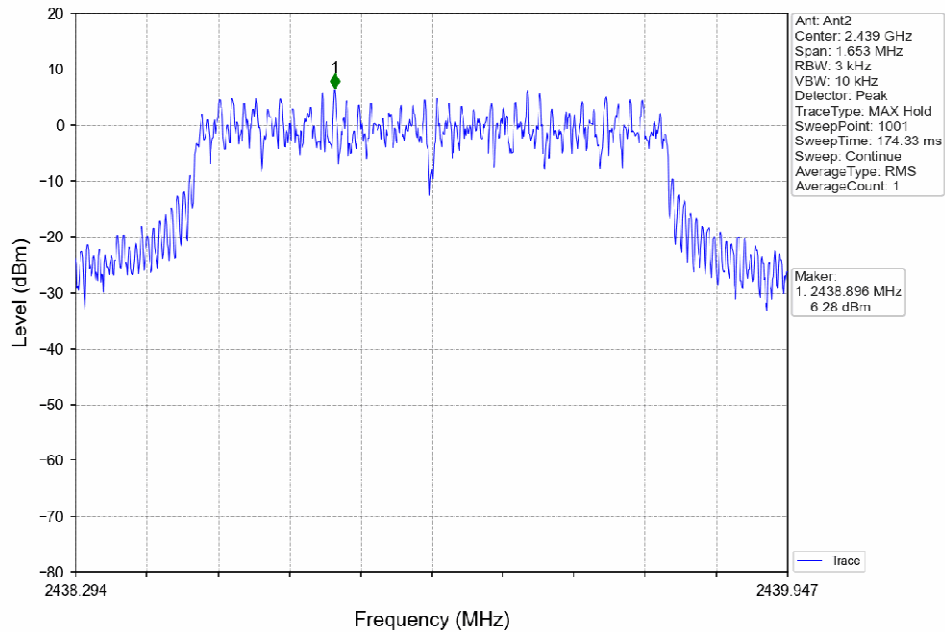
1_LCH_2411.12MHz_MIMO_NTNV



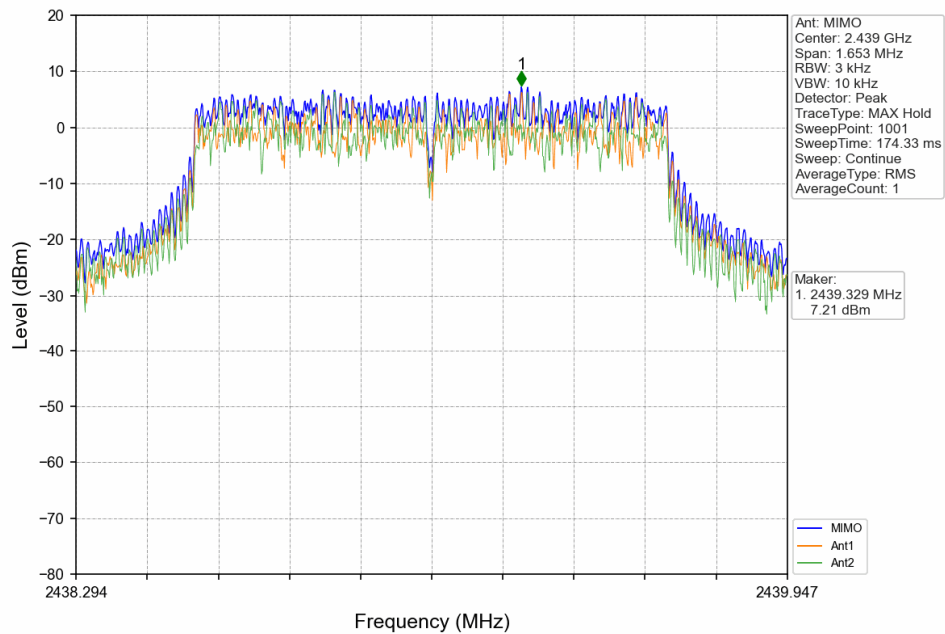
1_MCH_2439.12MHz_Ant1_NTNV



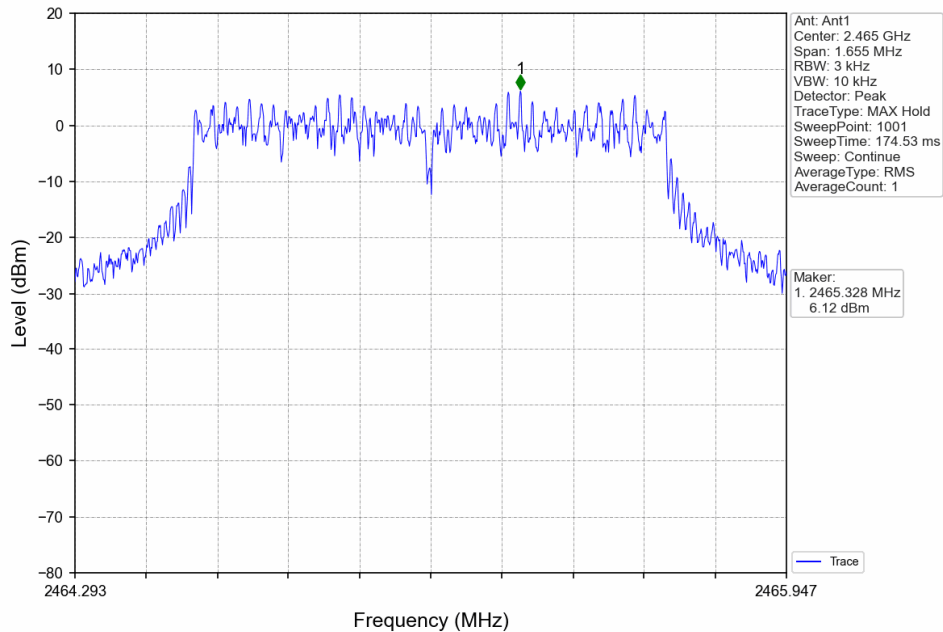
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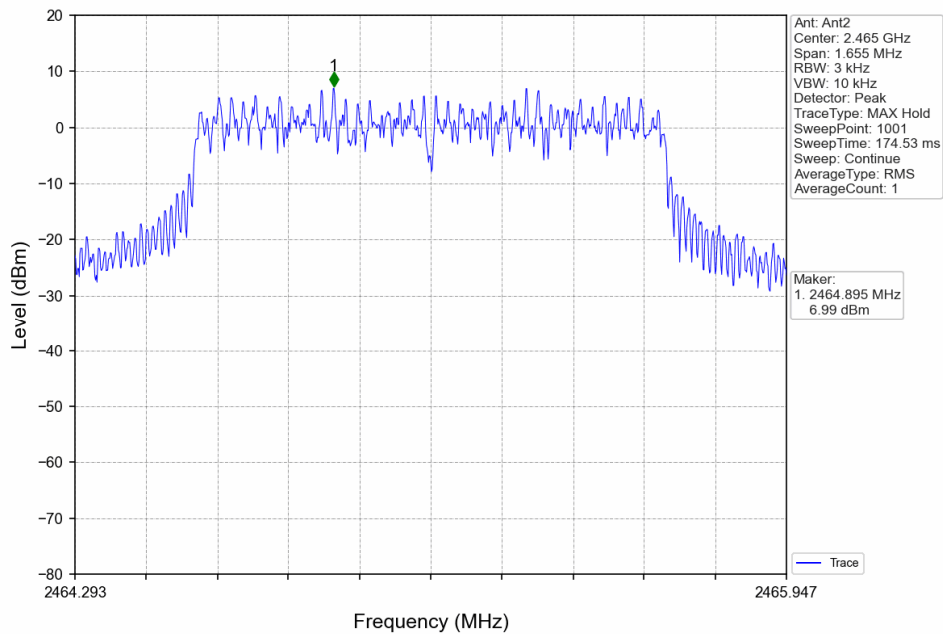
1_MCH_2439.12MHz_MIMO_NTNV



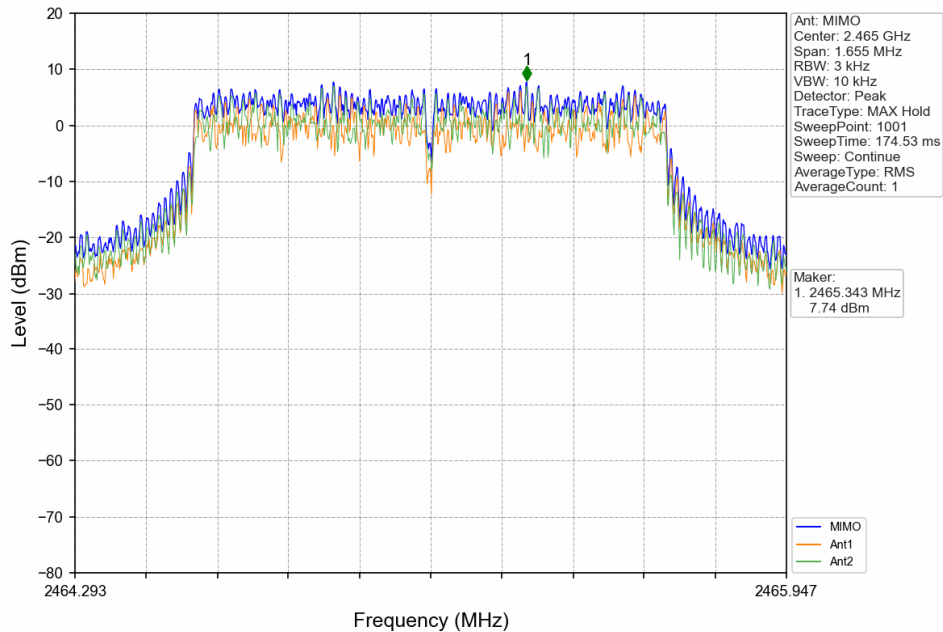
1_HCH_2465.12MHz_Ant1_NTNV



1_HCH_2465.12MHz_Ant2_NTNV



1_HCH_2465.12MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

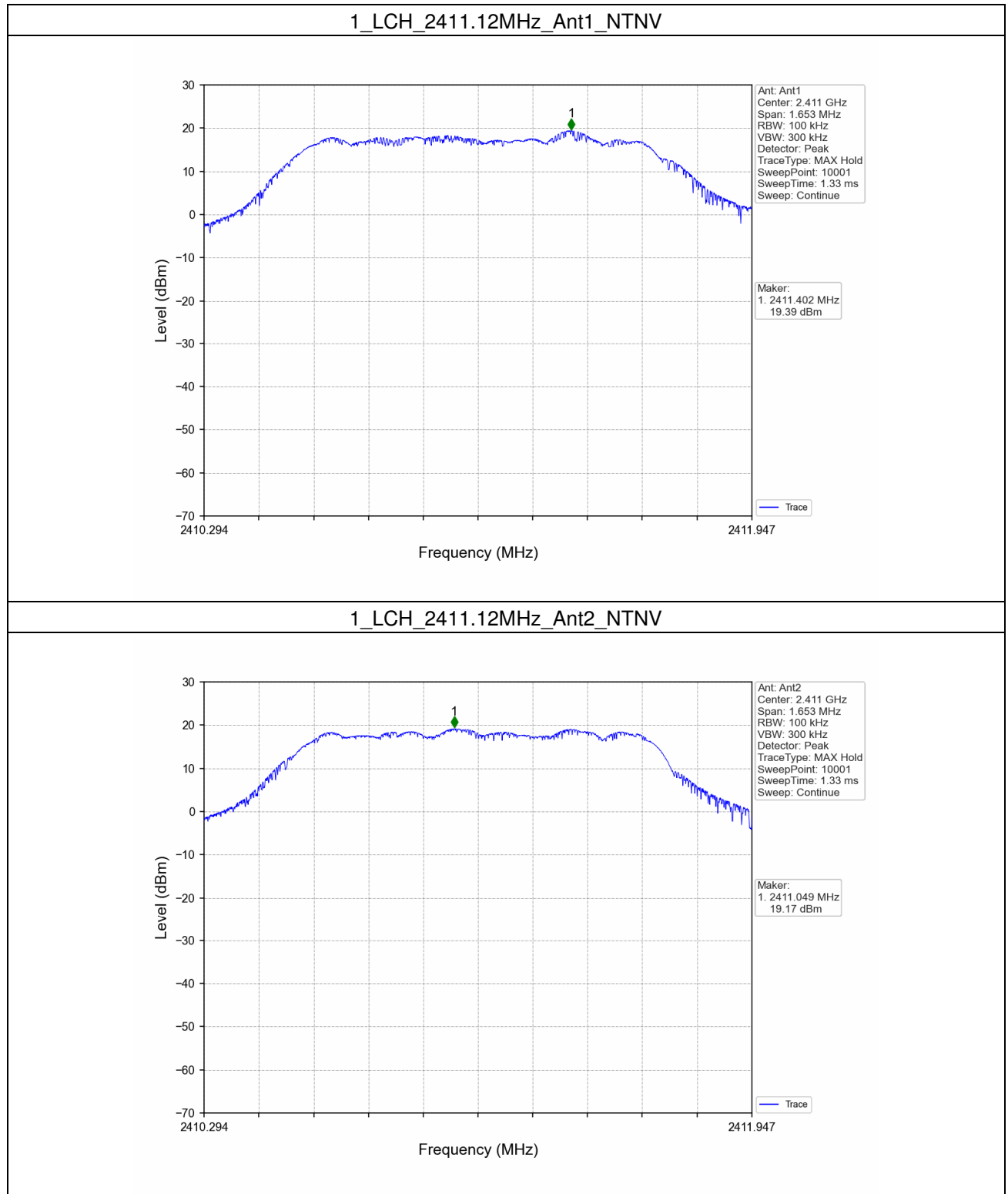
5.1 Ref

5.1.1 Test Result

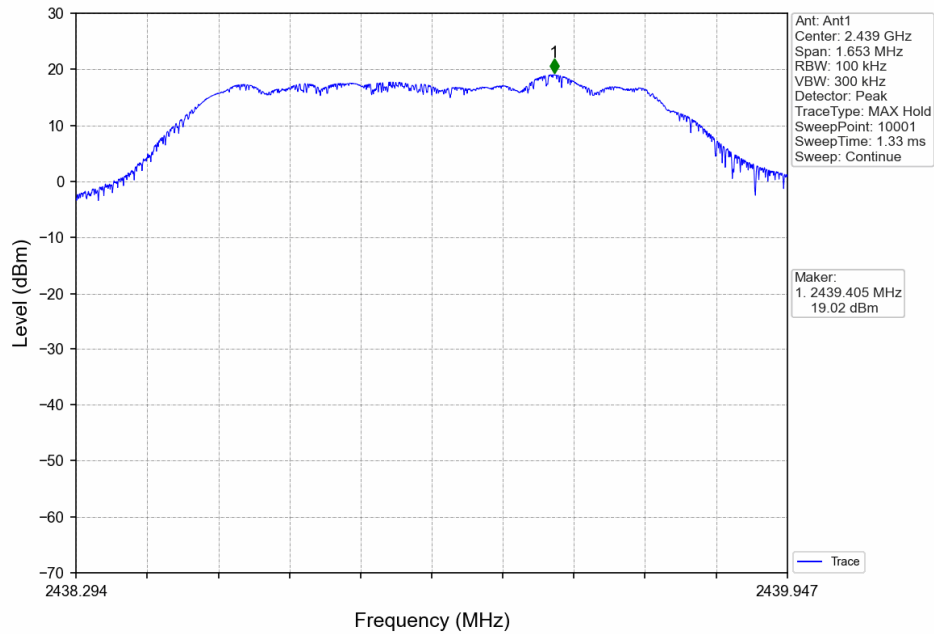
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1.4M CA	MIMO	2411.12	1	19.39	/	/
			2	19.17	/	/
		2439.12	1	19.02	/	/
			2	18.29	/	/
		2465.12	1	18.95	/	/
			2	18.94	/	/

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

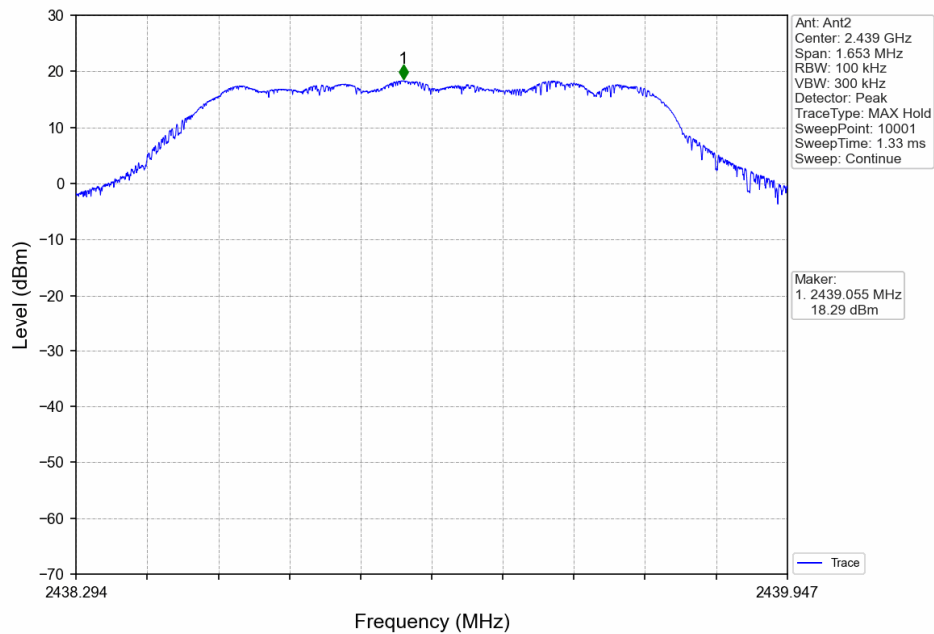
5.1.2 Test Graph



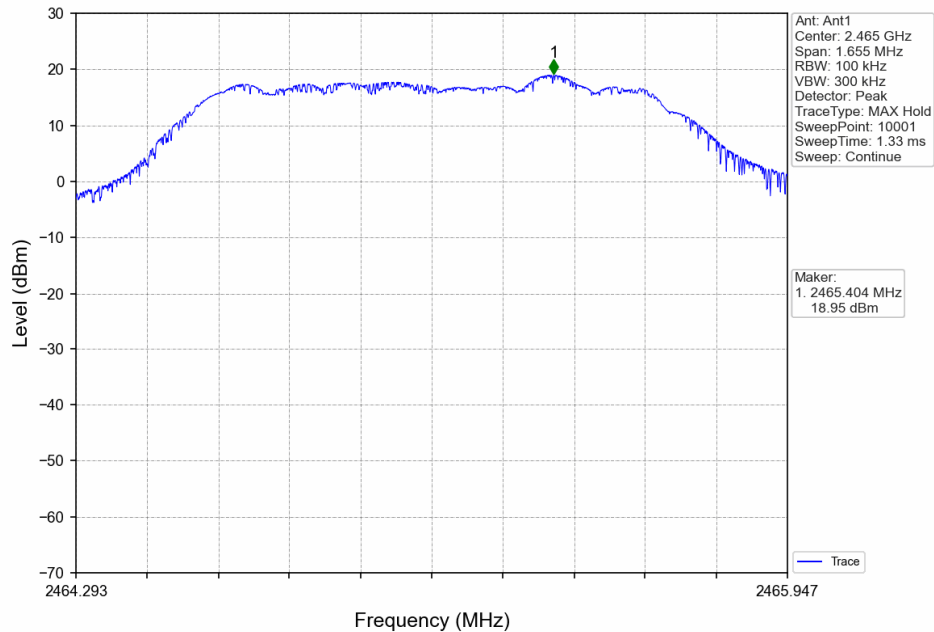
1_MCH_2439.12MHz_Ant1_NTNV



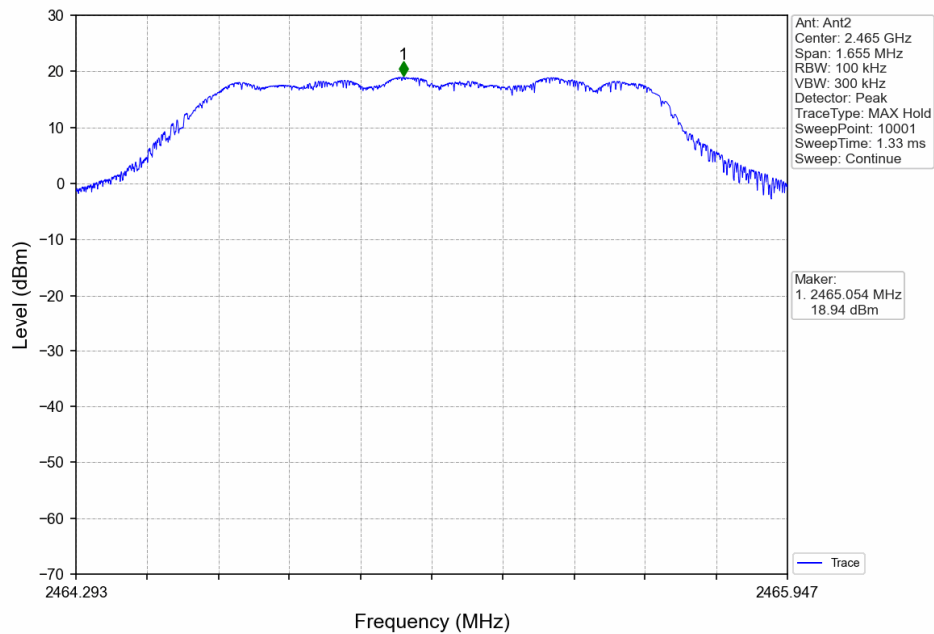
1_MCH_2439.12MHz_Ant2_NTNV



1_HCH_2465.12MHz_Ant1_NTNV



1_HCH_2465.12MHz_Ant2_NTNV



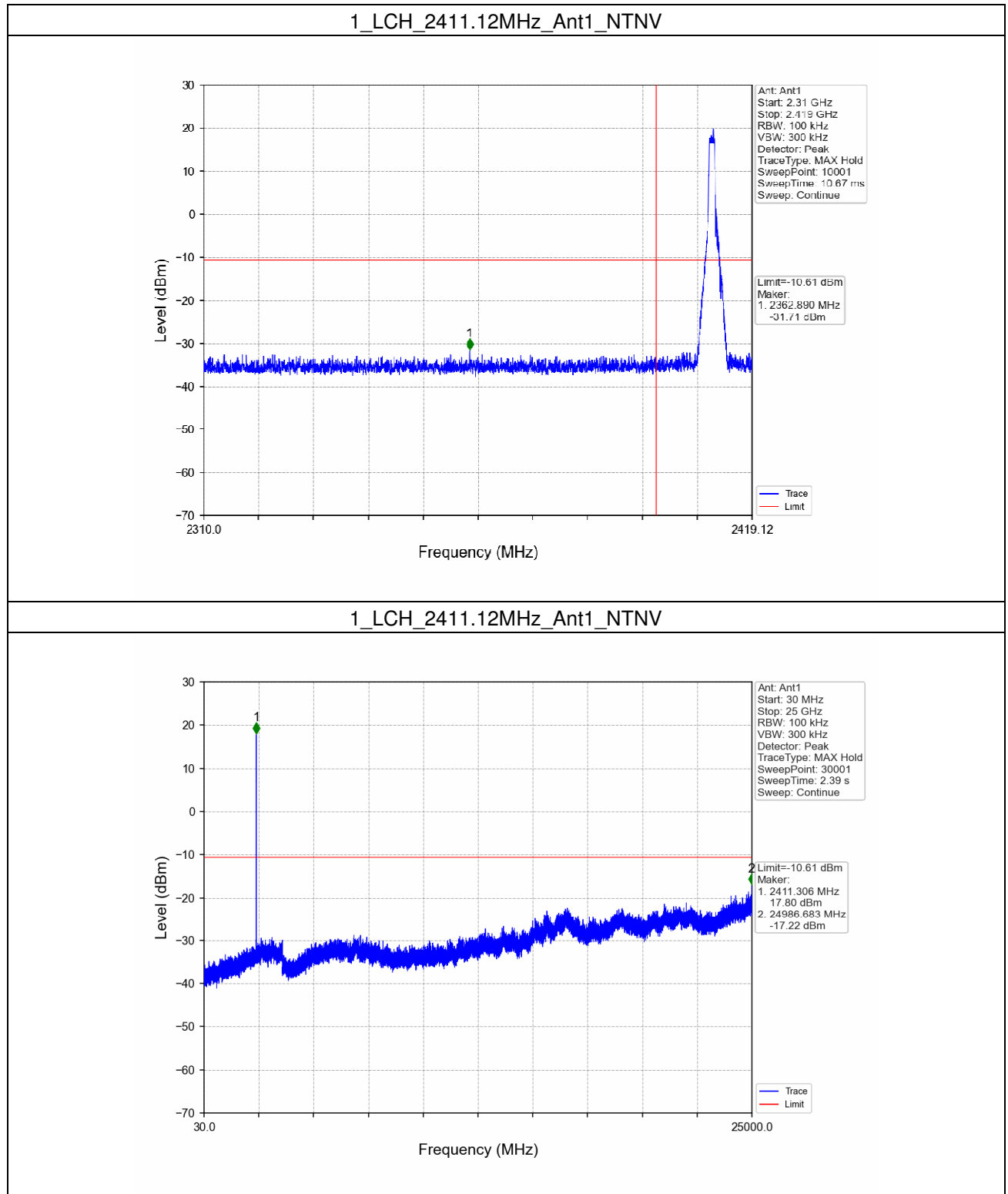
5.2 CSE

5.2.1 Test Result

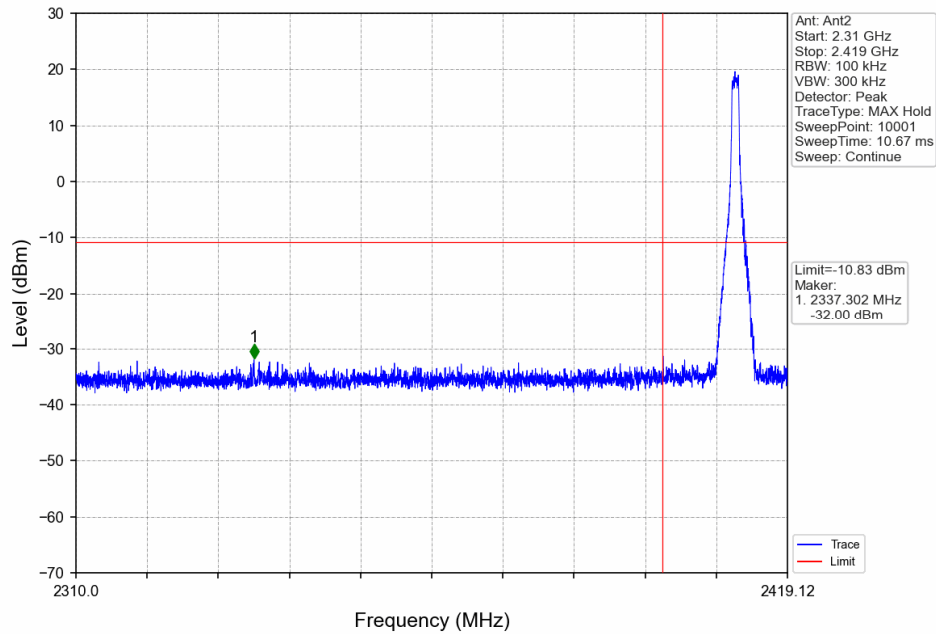
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
1.4M CA	MIMO	2411.12	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2439.12	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2465.12	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

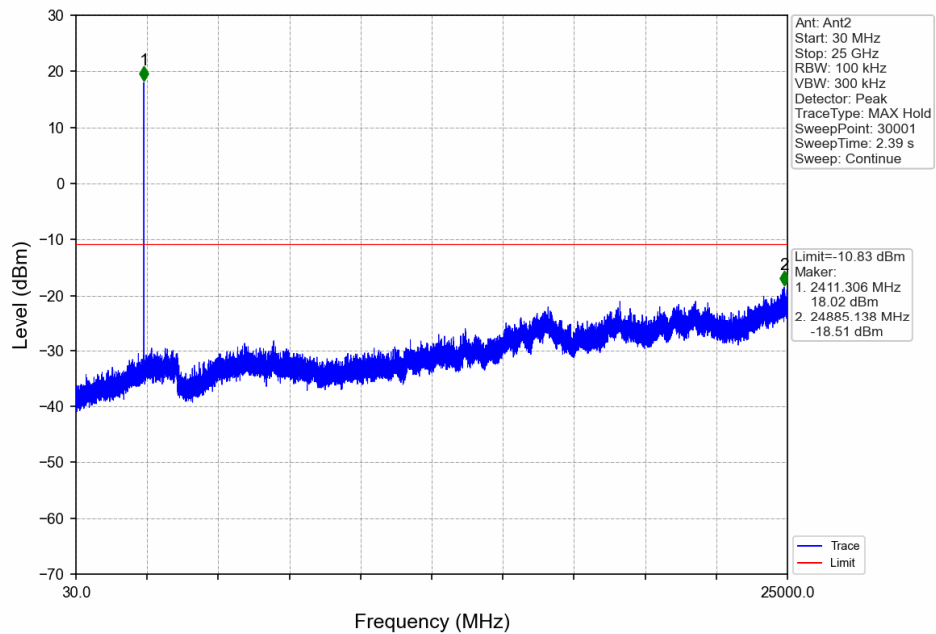
5.2.2 Test Graph



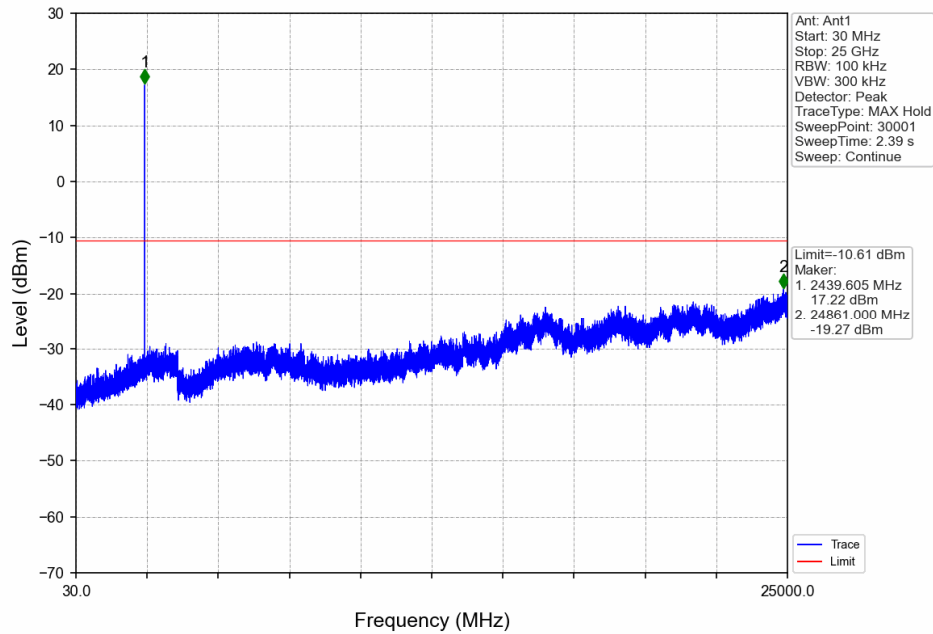
1_LCH_2411.12MHz_Ant2_NTNV



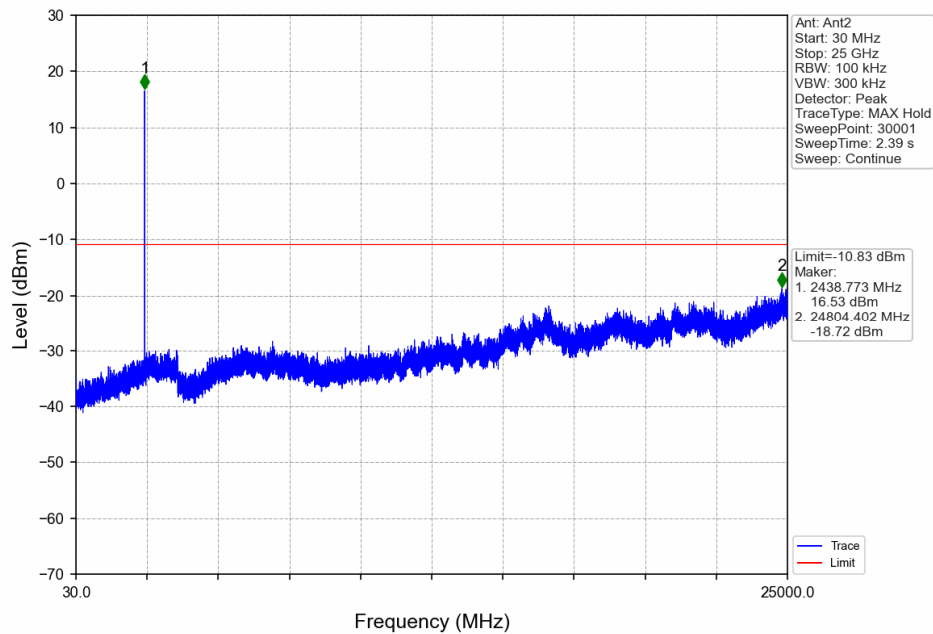
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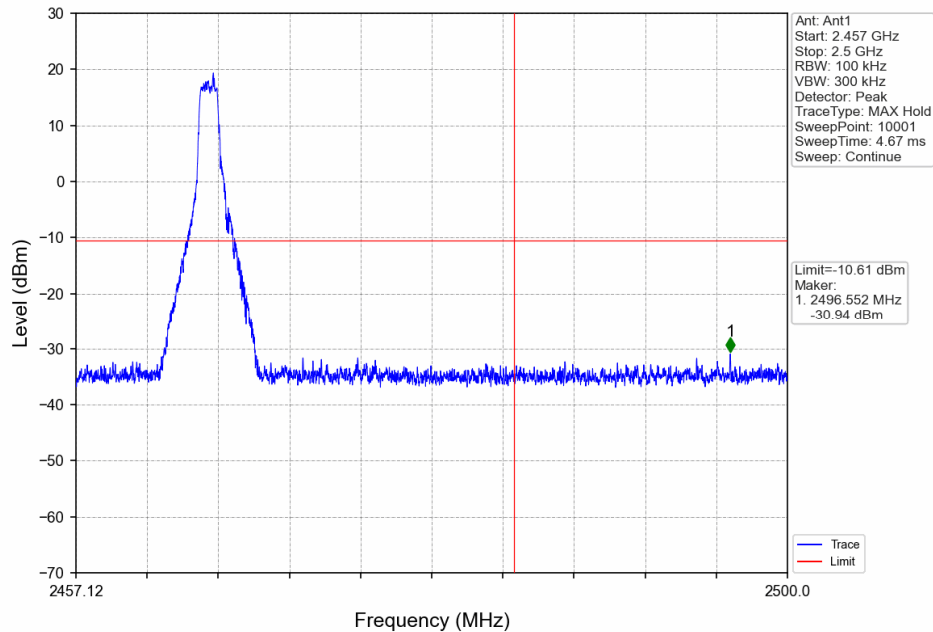
1_MCH_2439.12MHz_Ant1_NTNV



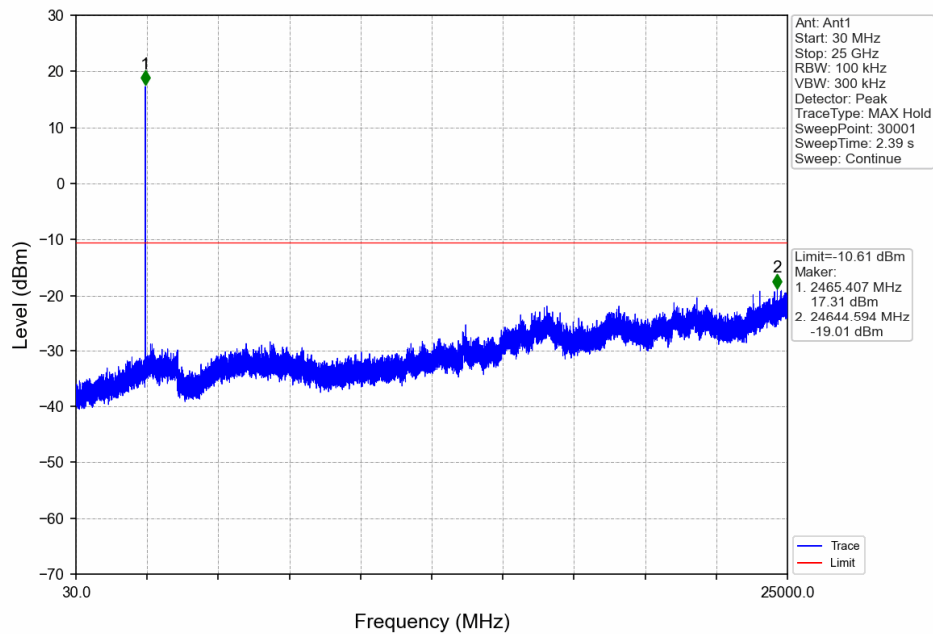
1_MCH_2439.12MHz_Ant2_NTNV



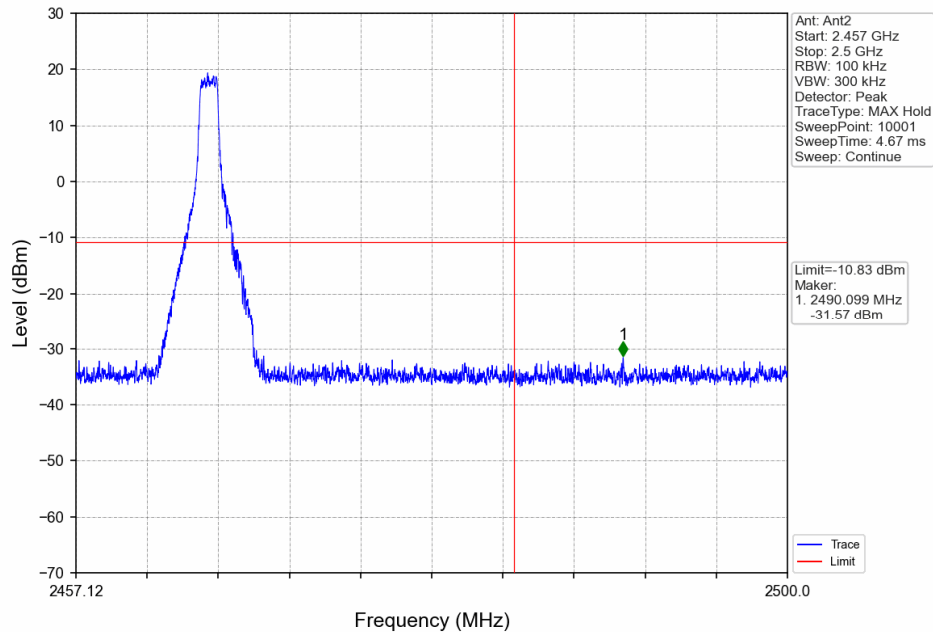
1_HCH_2465.12MHz_Ant1_NTNV



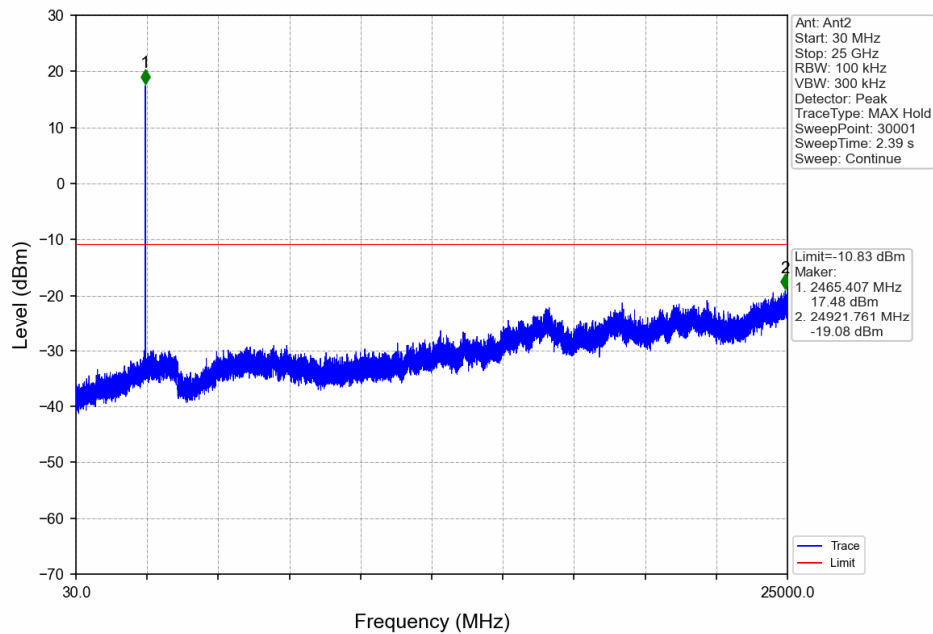
1_HCH_2465.12MHz_Ant1_NTNV



1_HCH_2465.12MHz_Ant2_NTNV



1_HCH_2465.12MHz_Ant2_NTNV



3MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

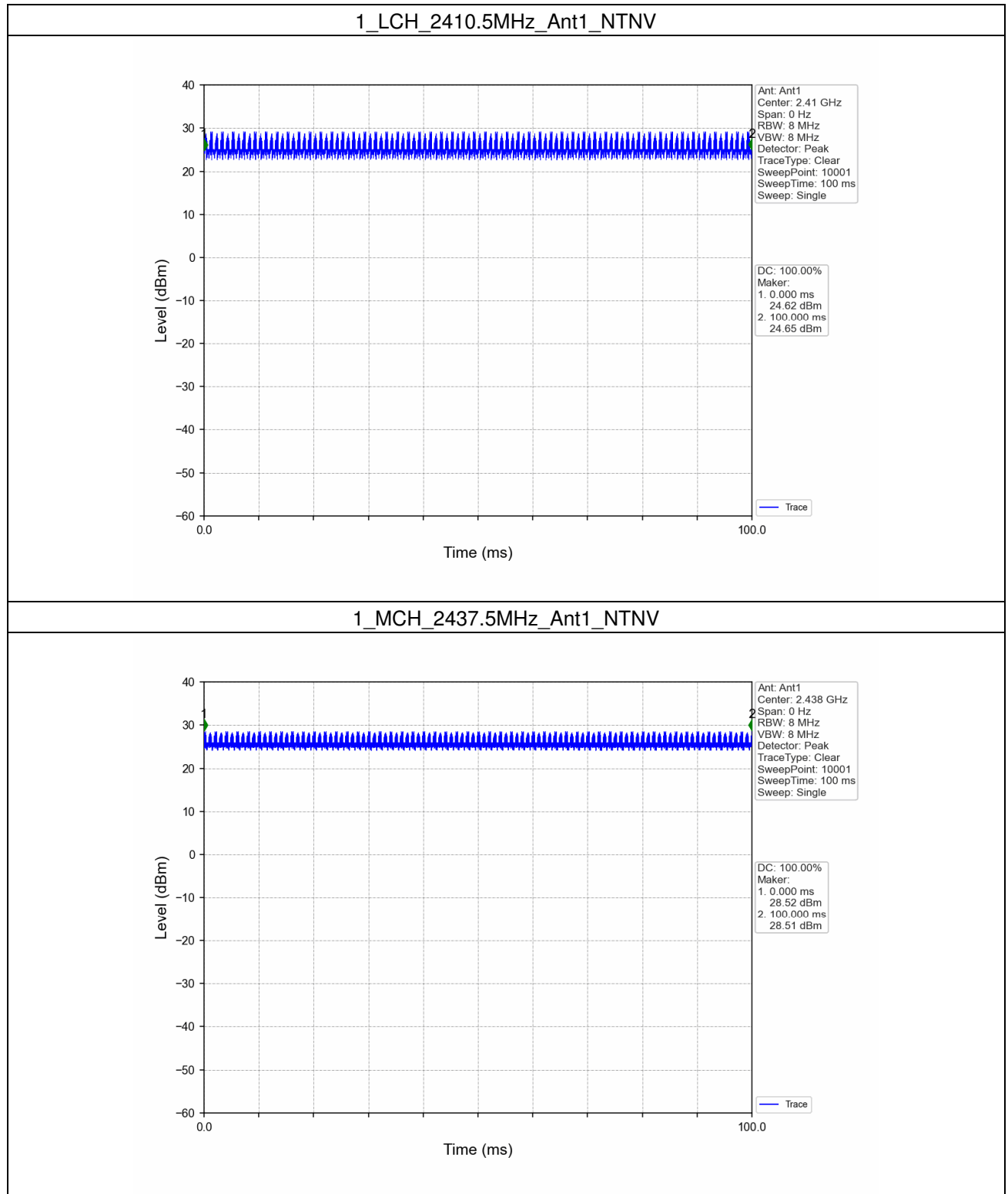
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
3M	MIMO	2410.5	100.00	100.00	100.00	0.00	0.00
		2437.5	100.00	100.00	100.00	0.00	0.00
		2461.5	100.00	100.00	100.00	0.00	0.00

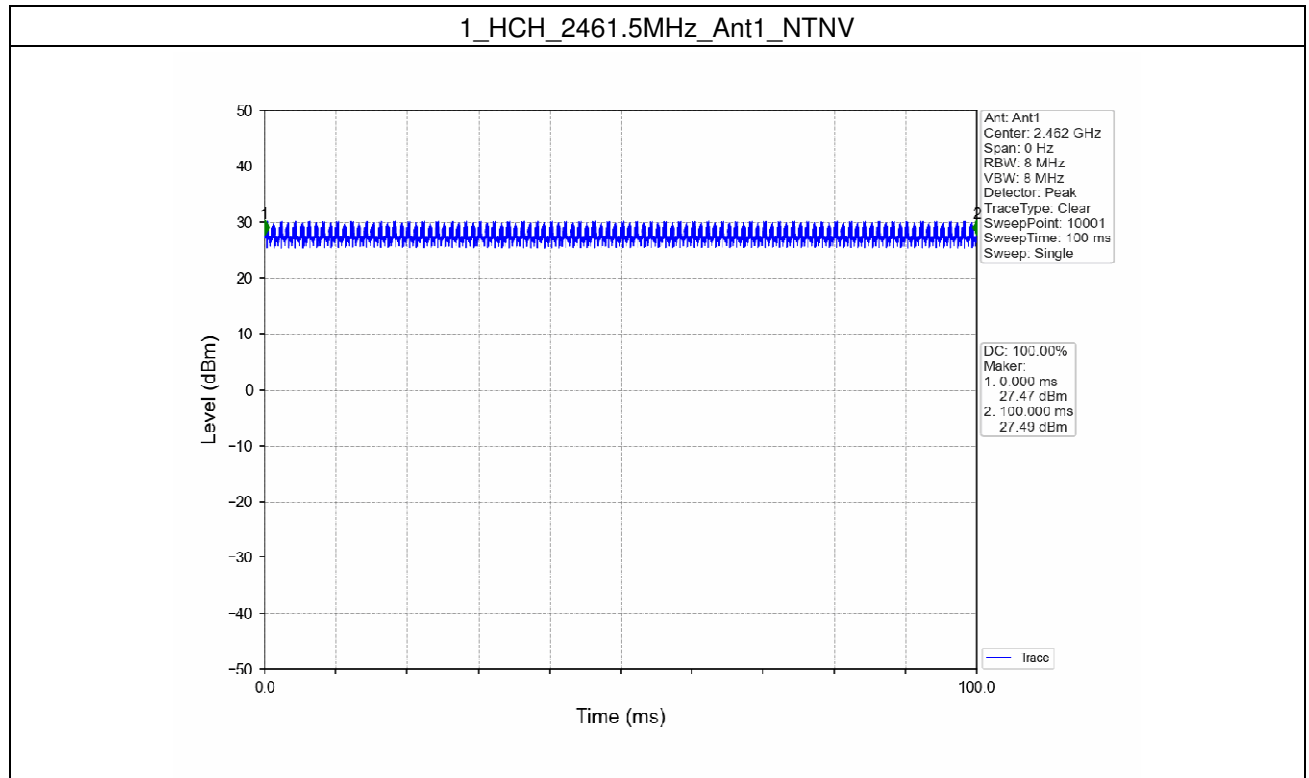


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1.1.2 Test Graph





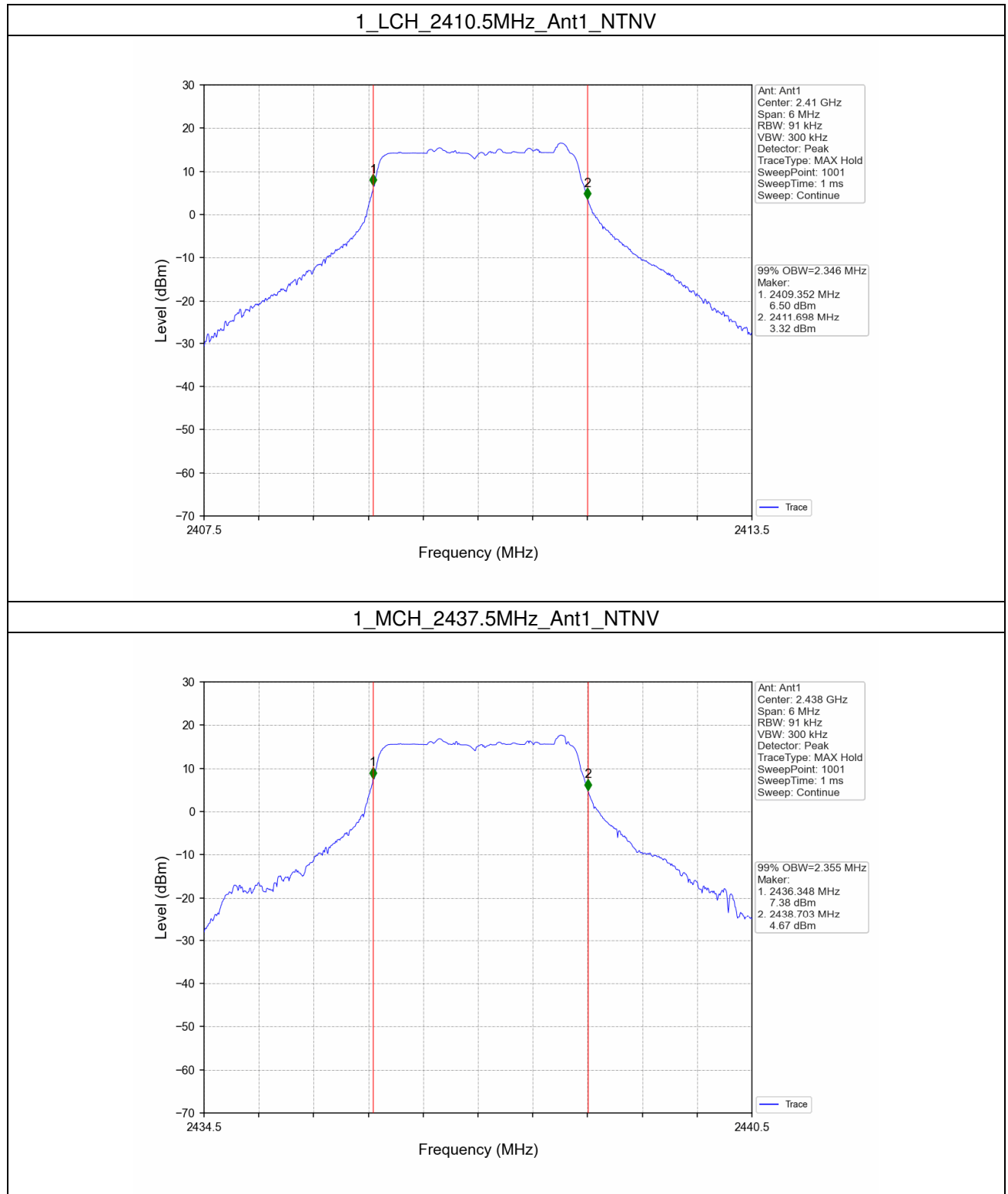
2. Bandwidth

2.1 OBW

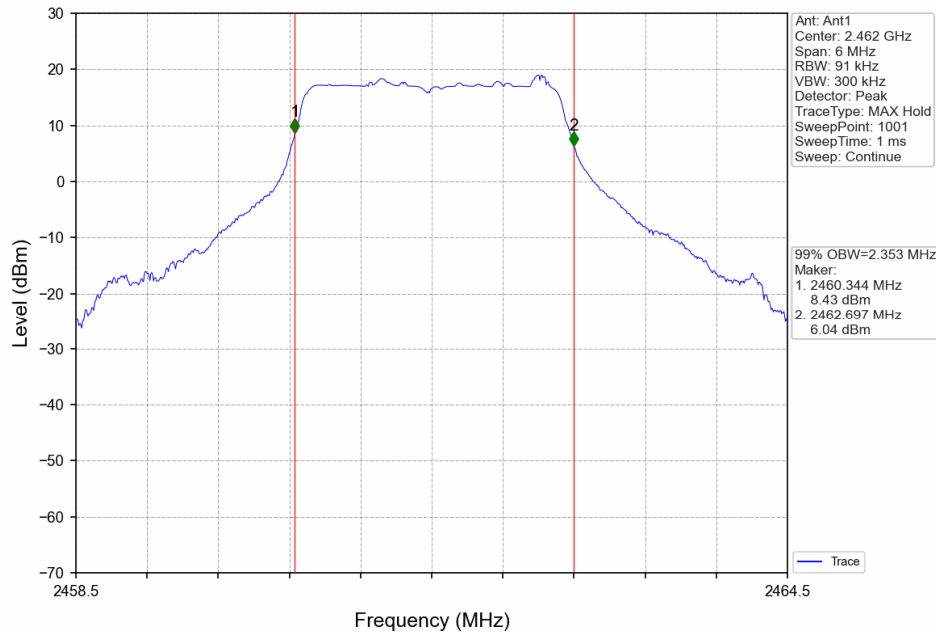
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
3M	MIMO	2410.5	1	2.35	/	Pass
		2437.5	1	2.35	/	Pass
		2461.5	1	2.35	/	Pass

2.1.2 Test Graph



1_HCH_2461.5MHz_Ant1_NTNV



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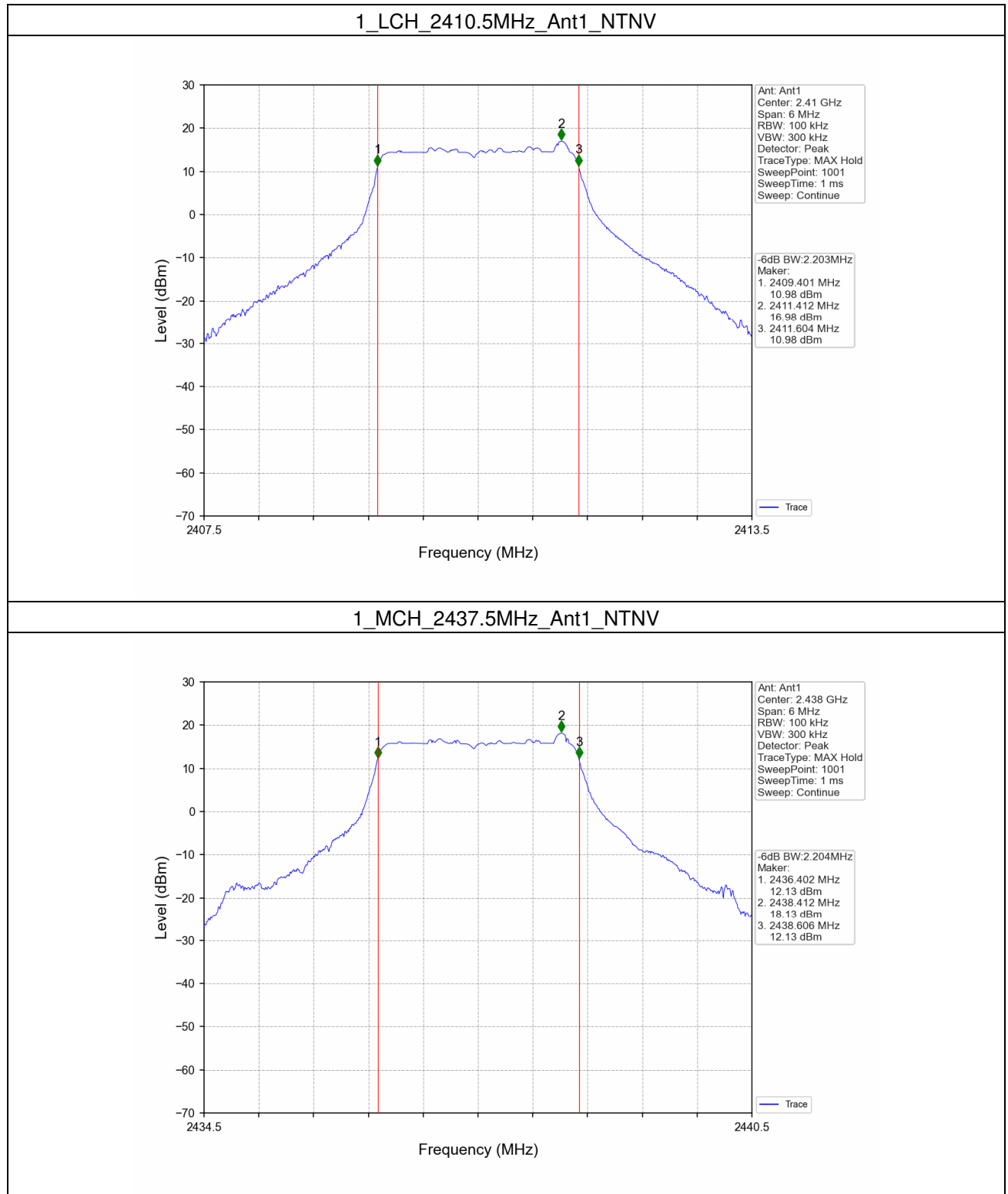
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2.2 6dB BW

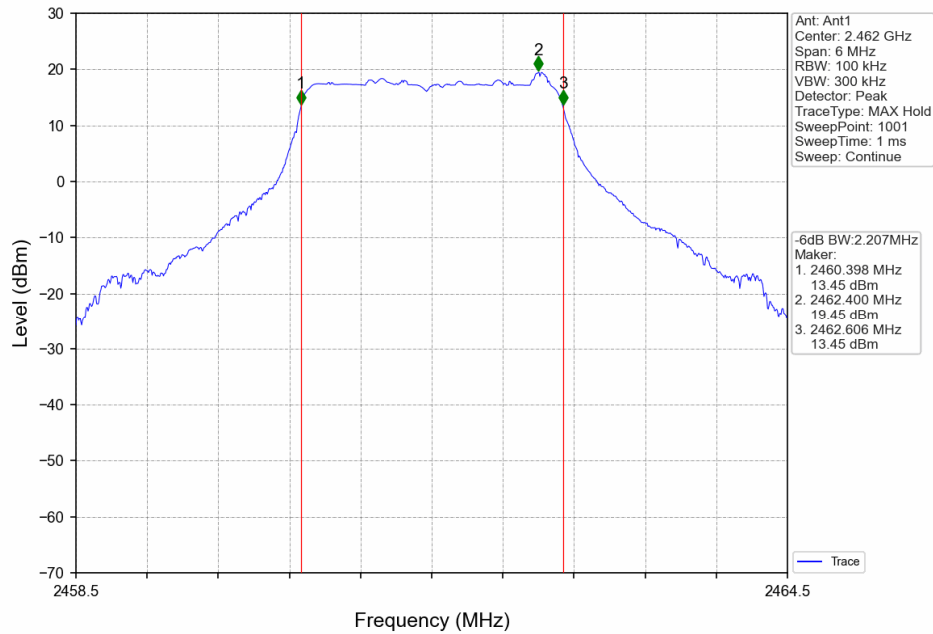
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
3M	MIMO	2410.5	1	2.20	≥ 0.5	Pass
		2437.5	1	2.20	≥ 0.5	Pass
		2461.5	1	2.21	≥ 0.5	Pass

2.2.2 Test Graph



1_HCH_2461.5MHz_Ant1_NTNV



3. Maximum Conducted Output Power**3.1 Power****3.1.1 Test Result**

Antenna 1:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
3M	SISO	2410.5	26.03	<=30	Pass
		2437.5	26.13	<=30	Pass
		2461.5	26.14	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Antenna 2:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
3M	SISO	2410.5	25.79	<=30	Pass
		2437.5	25.66	<=30	Pass
		2461.5	26.31	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
3M	MIMO	2410.5	21.99	22.67	25.35	<=29.9	Pass
		2437.5	22.19	22.09	25.15	<=29.9	Pass
		2461.5	22.54	23.12	25.85	<=29.9	Pass

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;

Note2: Directional Gain= $G_{Ant} + 10 \log(N_{Ant})$ dBi = $3.0 + 10 \log(2)$ dBi = 6.01dBi

4. Maximum Power Spectral Density**4.1 PSD****4.1.1 Test Result**

Antenna 1:

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
3M	SISO	2410.5	7.60	<=8	Pass
		2437.5	7.48	<=8	Pass
		2461.5	7.60	<=8	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Antenna 2:

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
3M	SISO	2410.5	7.27	<=8	Pass
		2437.5	7.07	<=8	Pass
		2461.5	7.81	<=8	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
			Ant1	Ant2	Sum		
3M	MIMO	2410.5	5.28	5.57	6.53	<=8	Pass
		2437.5	5.27	5.14	6.18	<=8	Pass
		2461.5	5.93	6.14	7.11	<=8	Pass

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;

4.1.2 Test Graph

