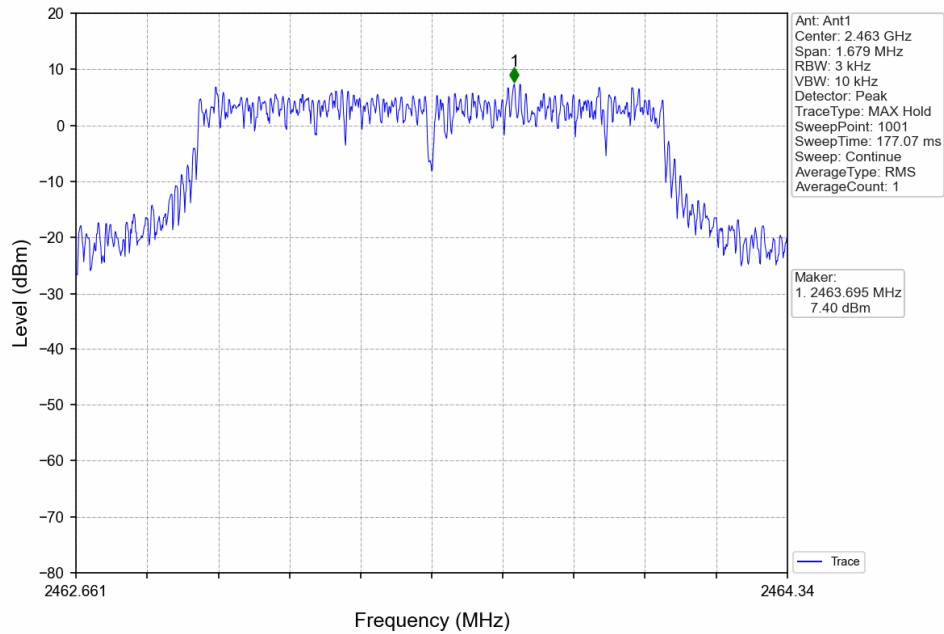
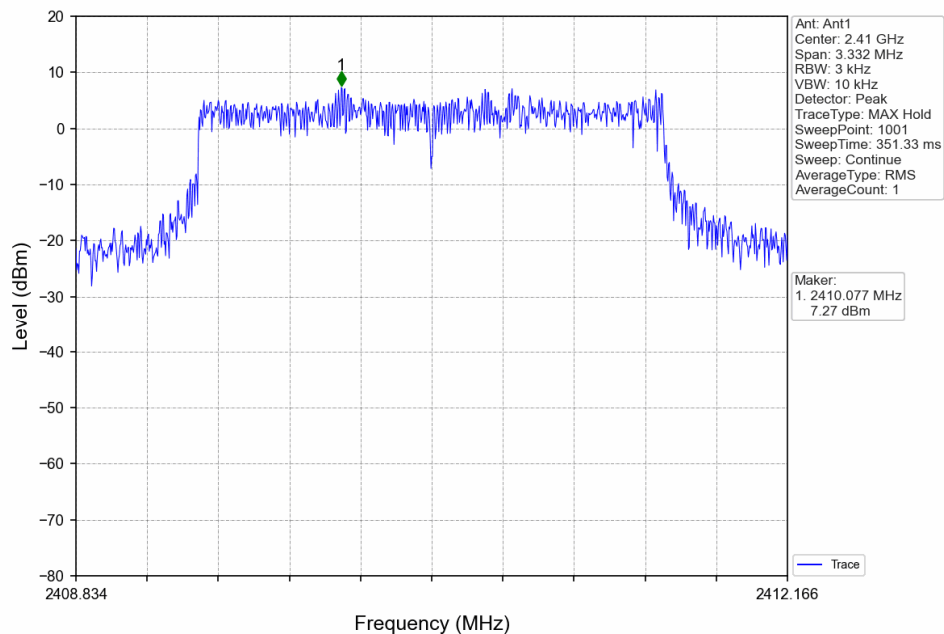


1.4_HCH_2463.5MHz_Ant1_NTNV



3_LCH_2410.5MHz_Ant2_NTNV

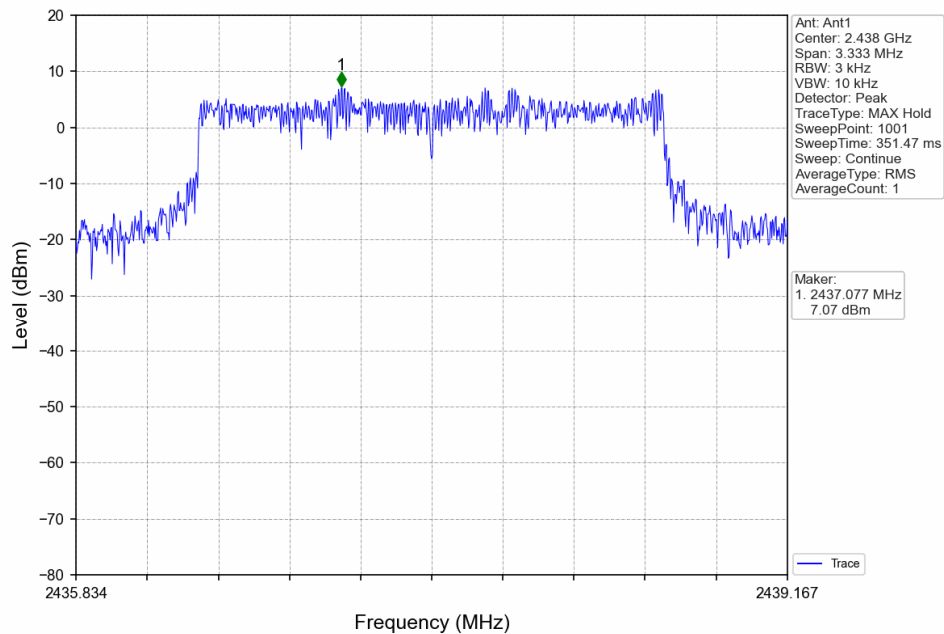


3_MCH_2437.5MHz_Ant2_NTNV

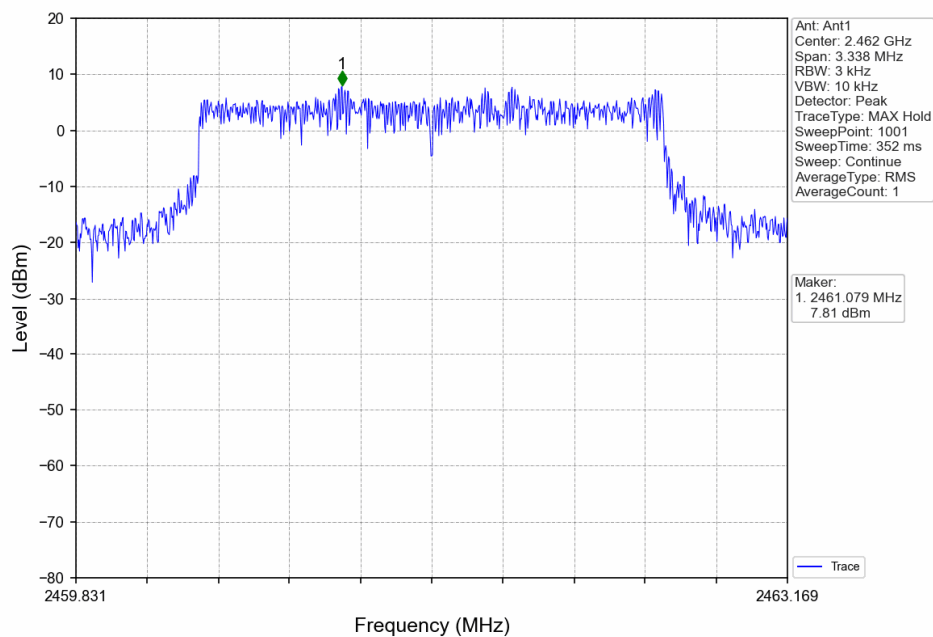


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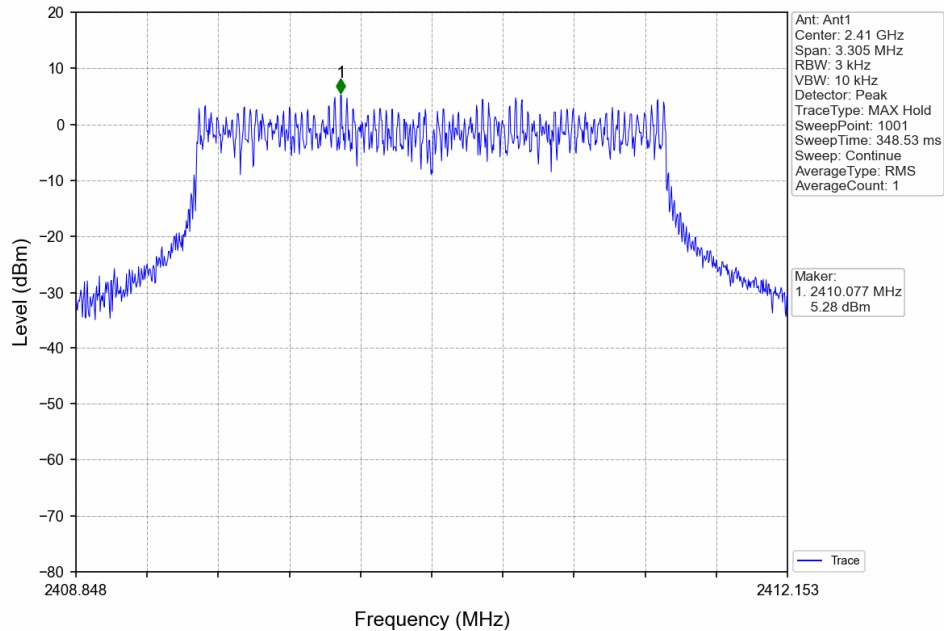
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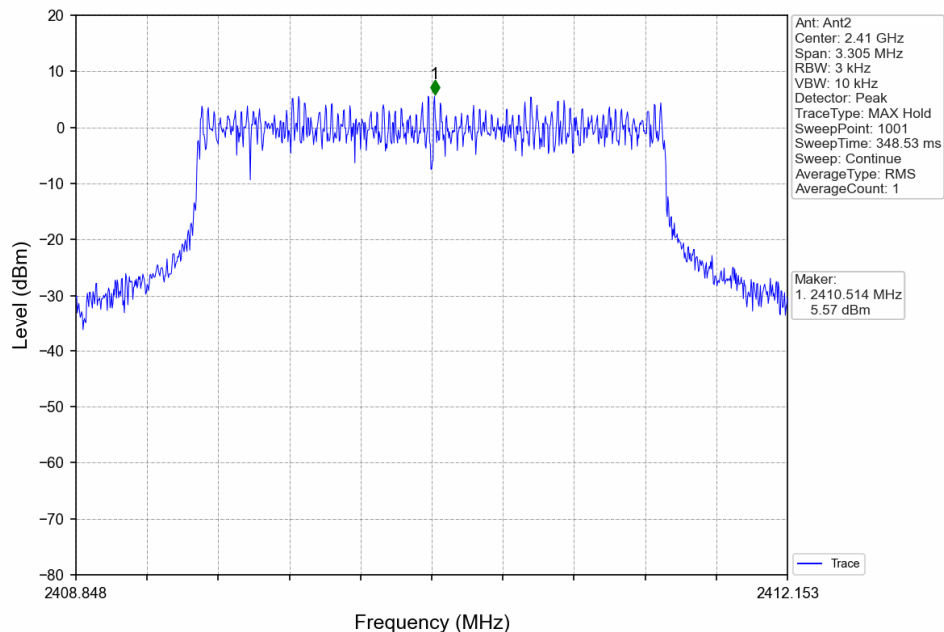
3_HCH_2461.5MHz_Ant2_NTNV



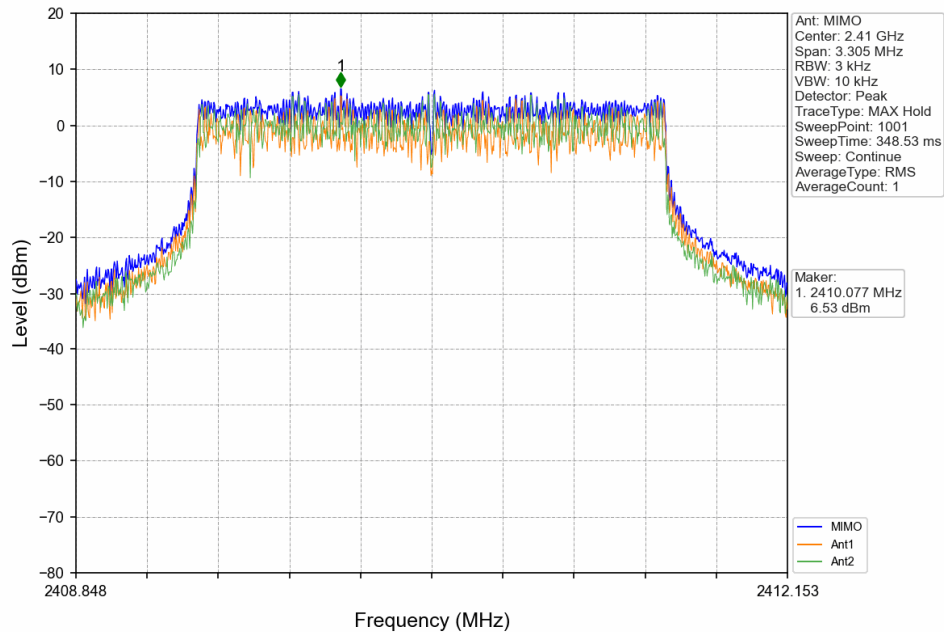
1_LCH_2410.5MHz_Ant1_NTNV



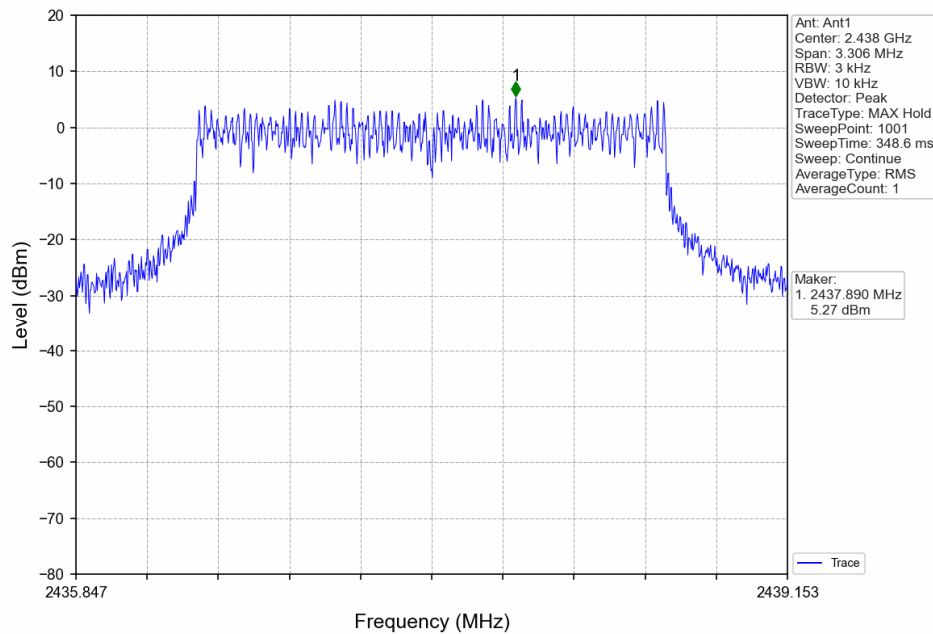
1_LCH_2410.5MHz_Ant2_NTNV



1_LCH_2410.5MHz_MIMO_NTNV



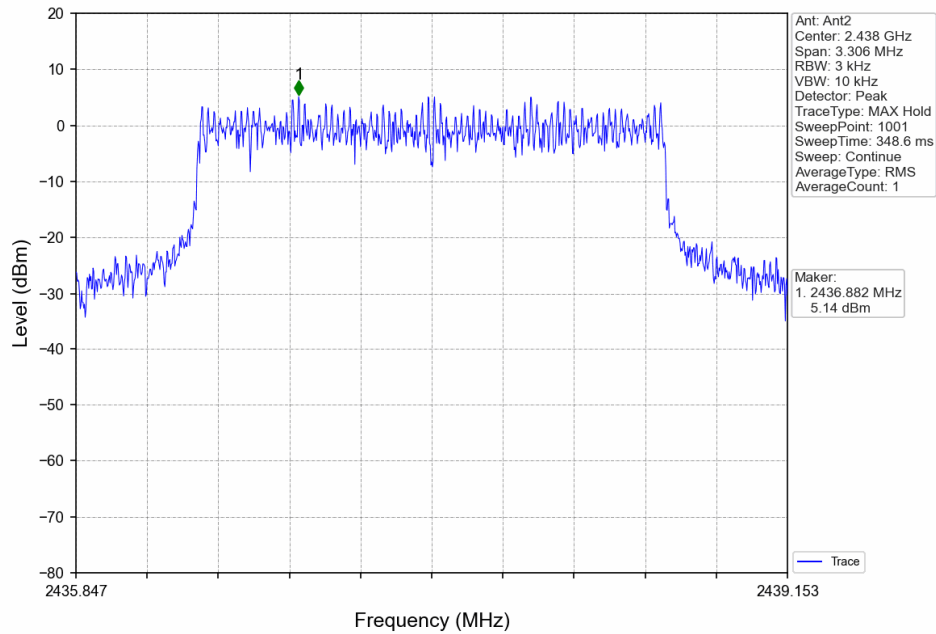
1_MCH_2437.5MHz_Ant1_NTNV



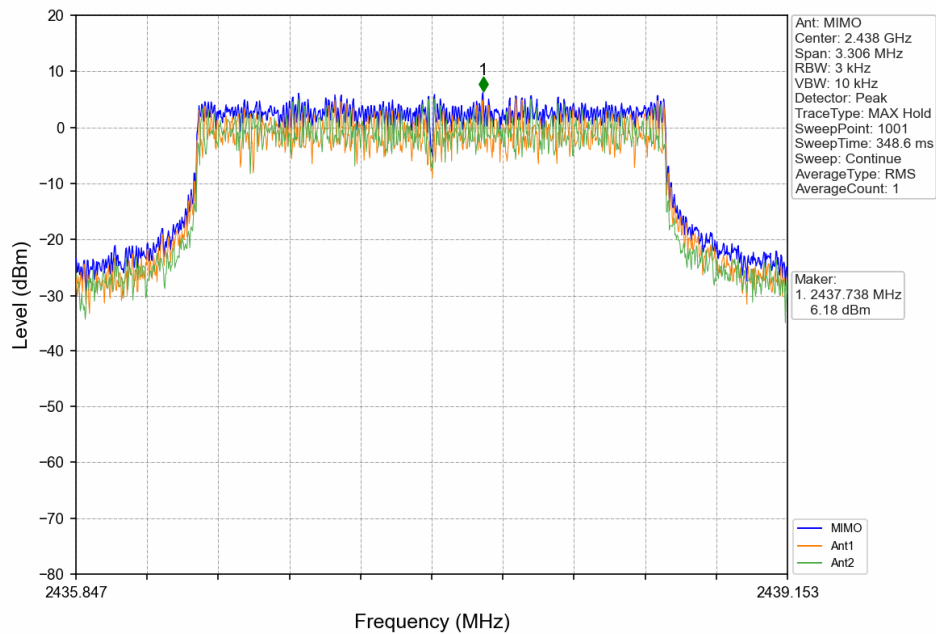
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1_MCH_2437.5MHz_Ant2_NTNV

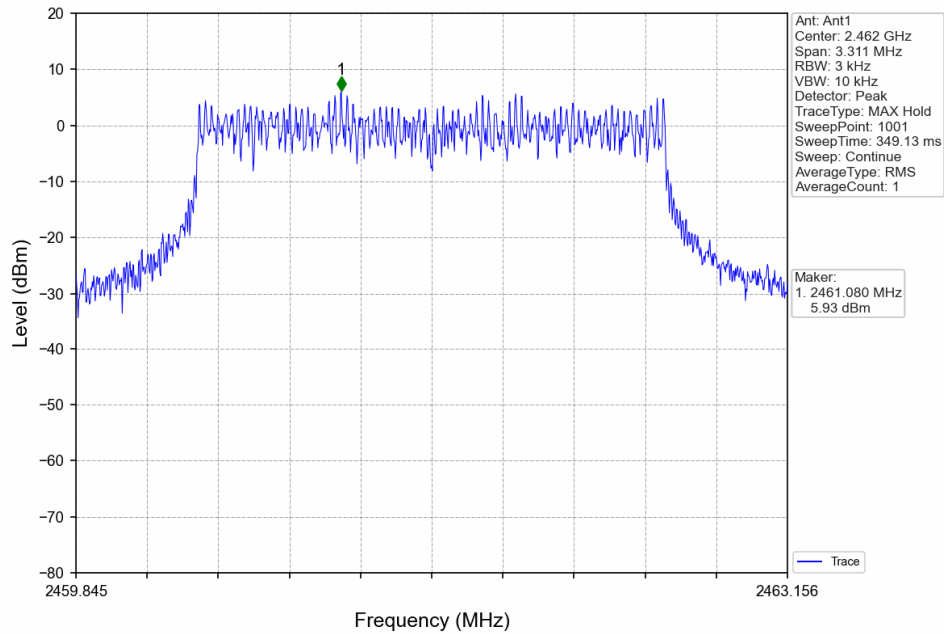


1_MCH_2437.5MHz_MIMO_NTNV

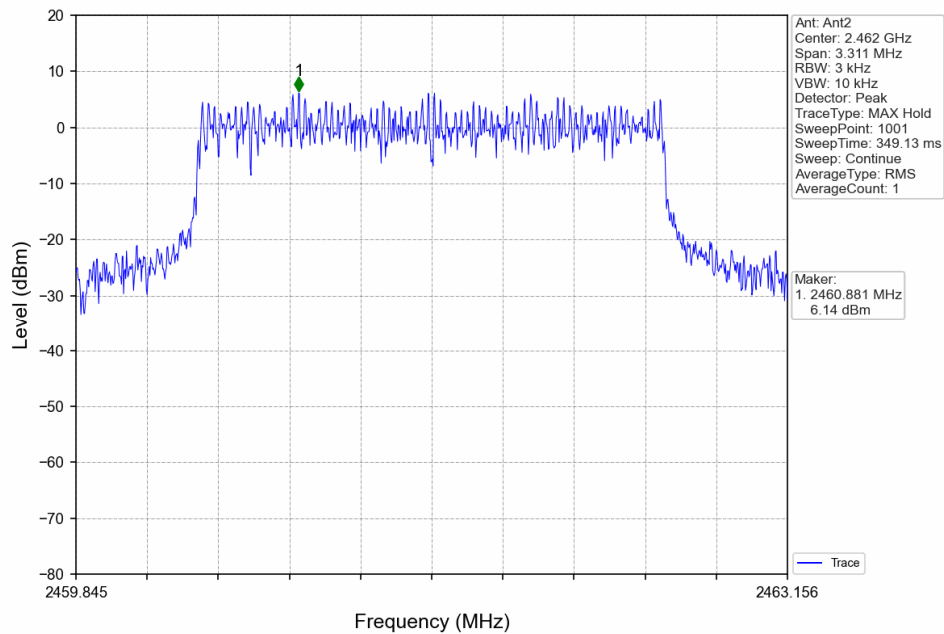


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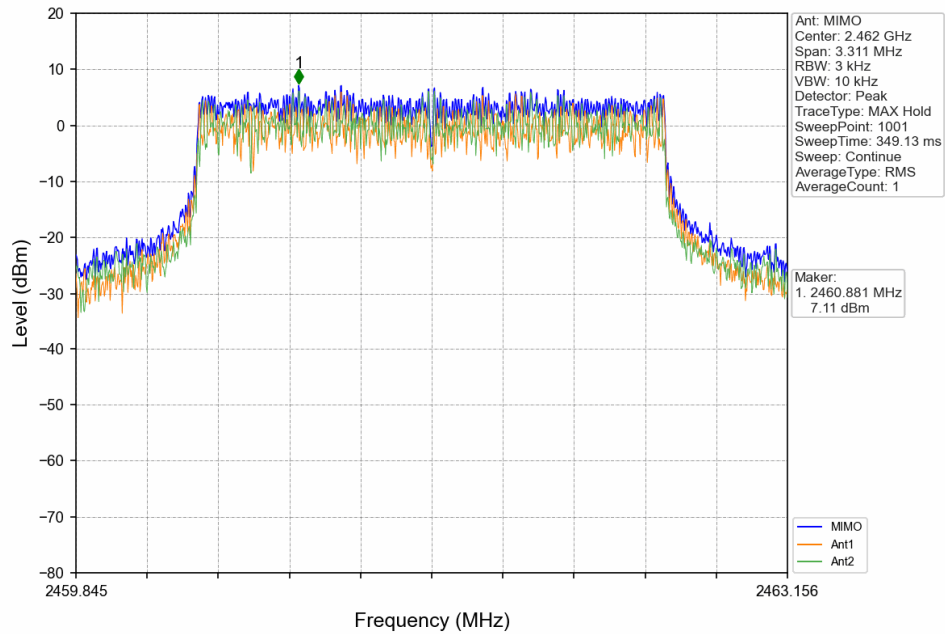
1_HCH_2461.5MHz_Ant1_NTNV



1_HCH_2461.5MHz_Ant2_NTNV



1_HCH_2461.5MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

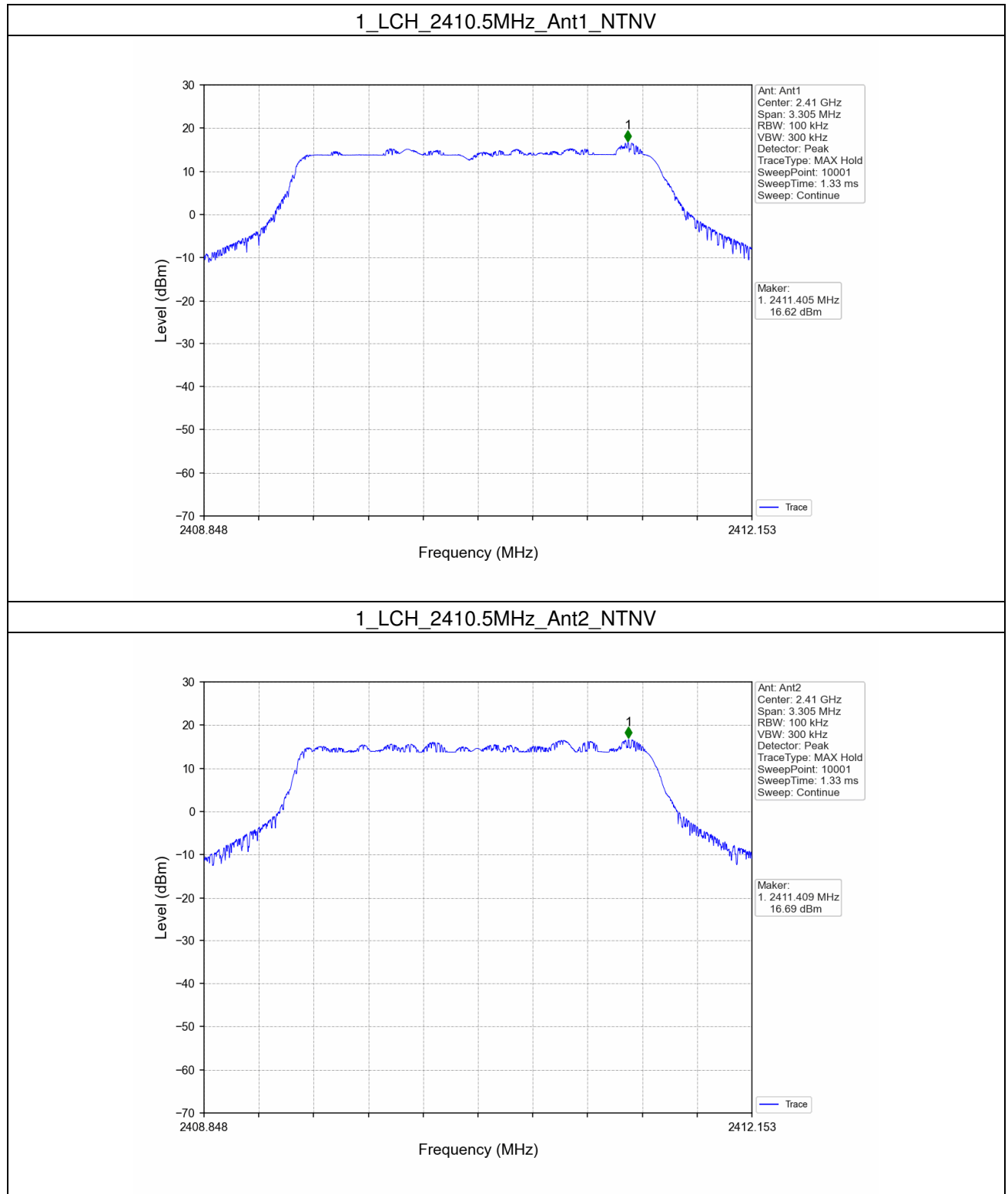
5.1 Ref

5.1.1 Test Result

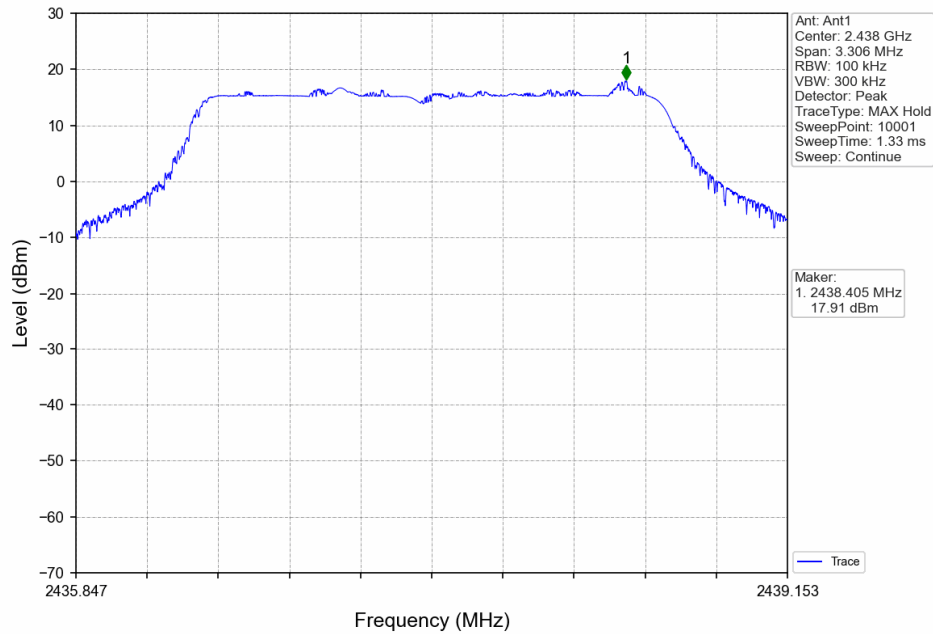
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
3M	MIMO	2410.5	1	16.62	/	/
			2	16.69	/	/
		2437.5	1	17.91	/	/
			2	17.57	/	/
		2461.5	1	19.27	/	/
			2	19.15	/	/

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.

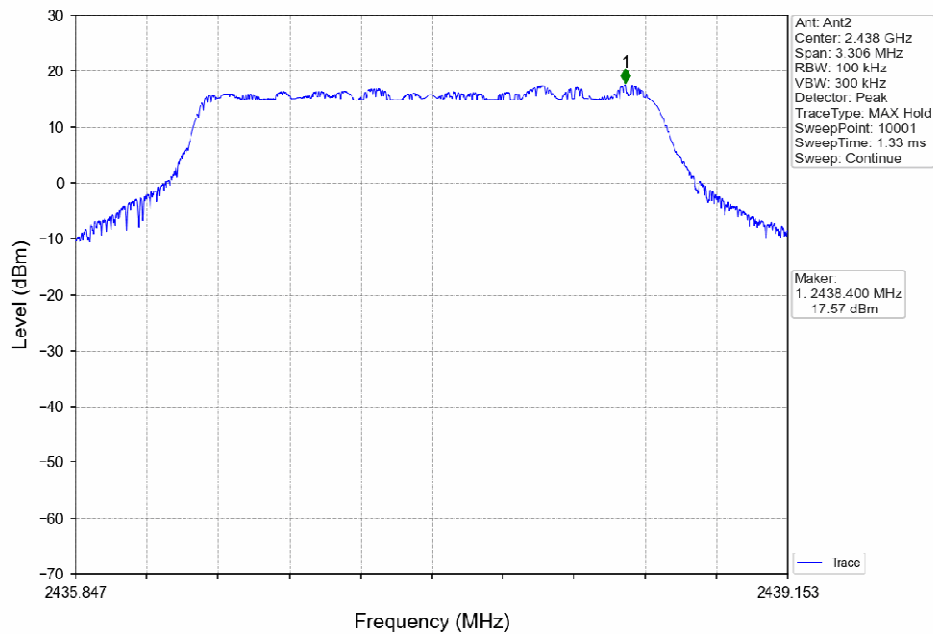
5.1.2 Test Graph



1_MCH_2437.5MHz_Ant1_NTNV



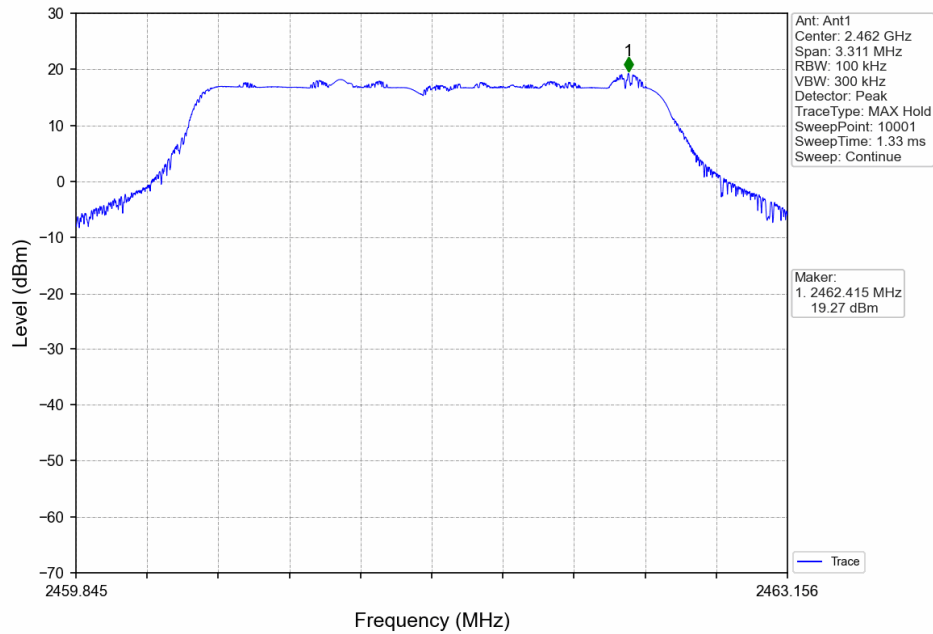
1_MCH_2437.5MHz_Ant2_NTNV



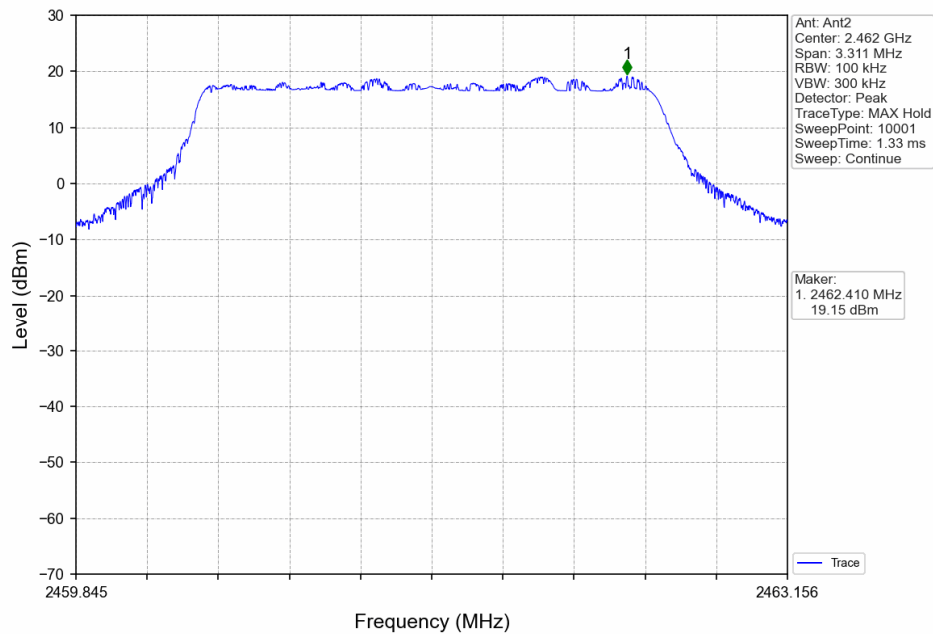
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1_HCH_2461.5MHz_Ant1_NTNV



1_HCH_2461.5MHz_Ant2_NTNV



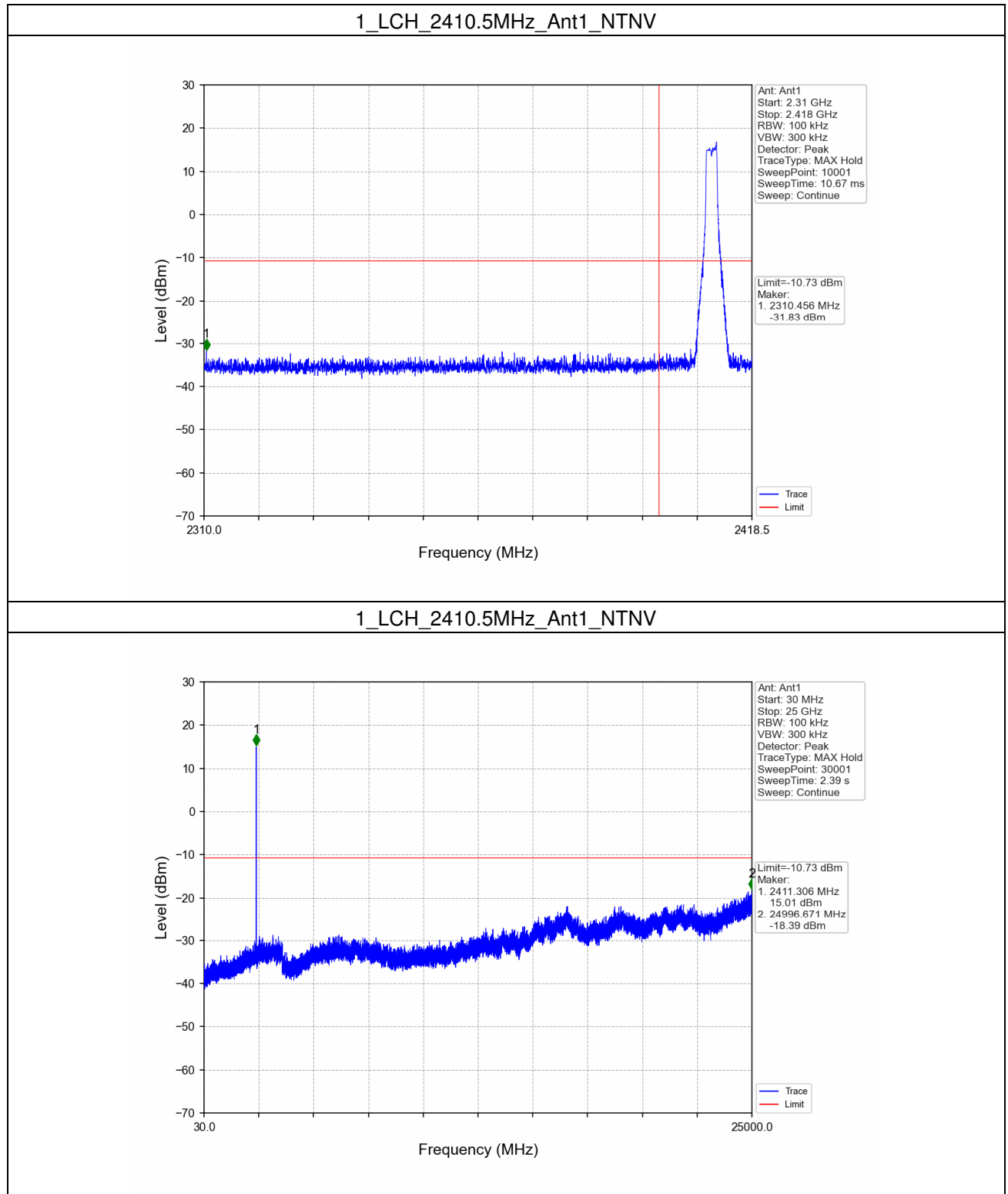
5.2 CSE

5.2.1 Test Result

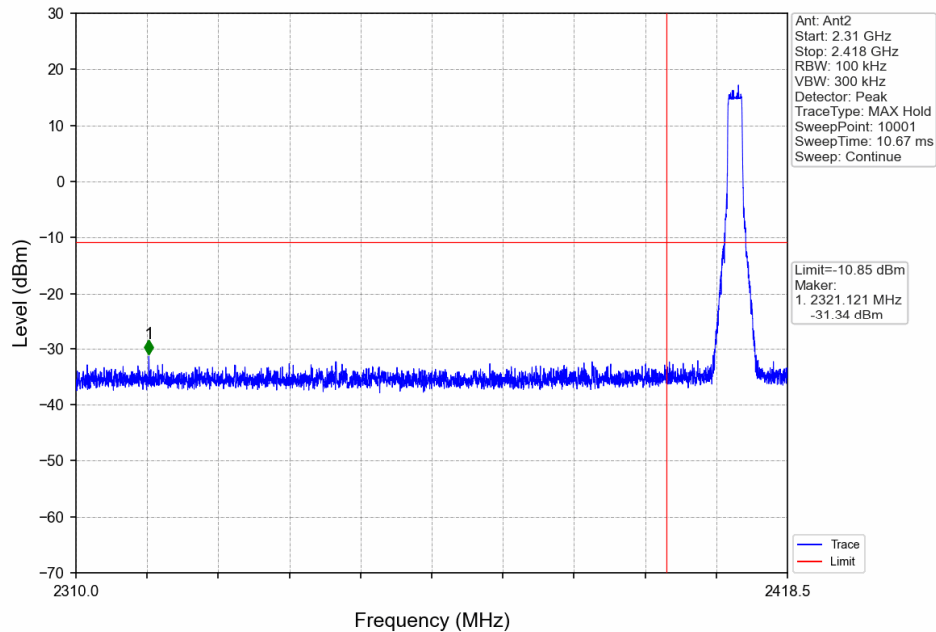
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
3M	MIMO	2410.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2437.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2461.5	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.

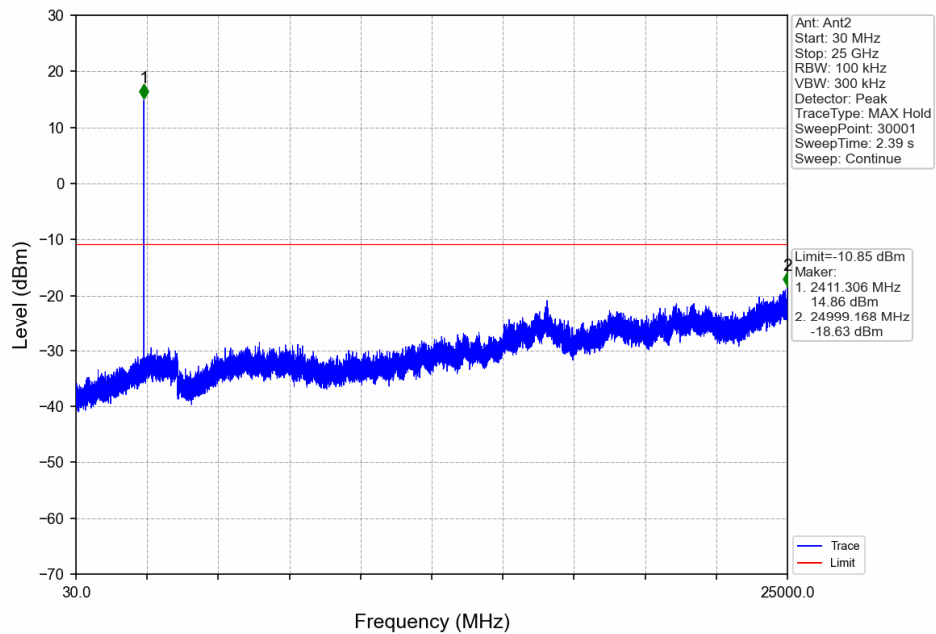
5.2.2 Test Graph



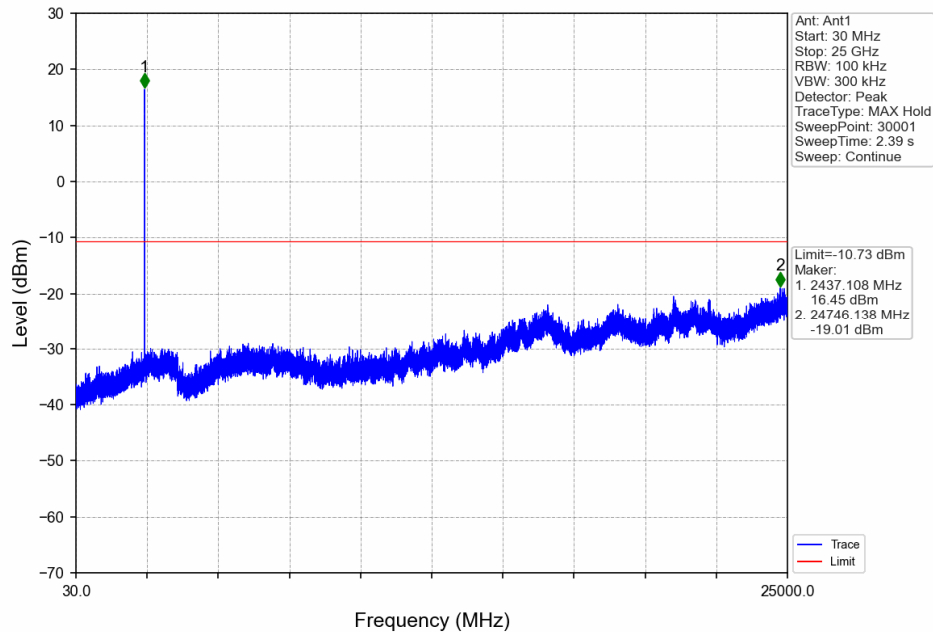
1_LCH_2410.5MHz_Ant2_NTNV



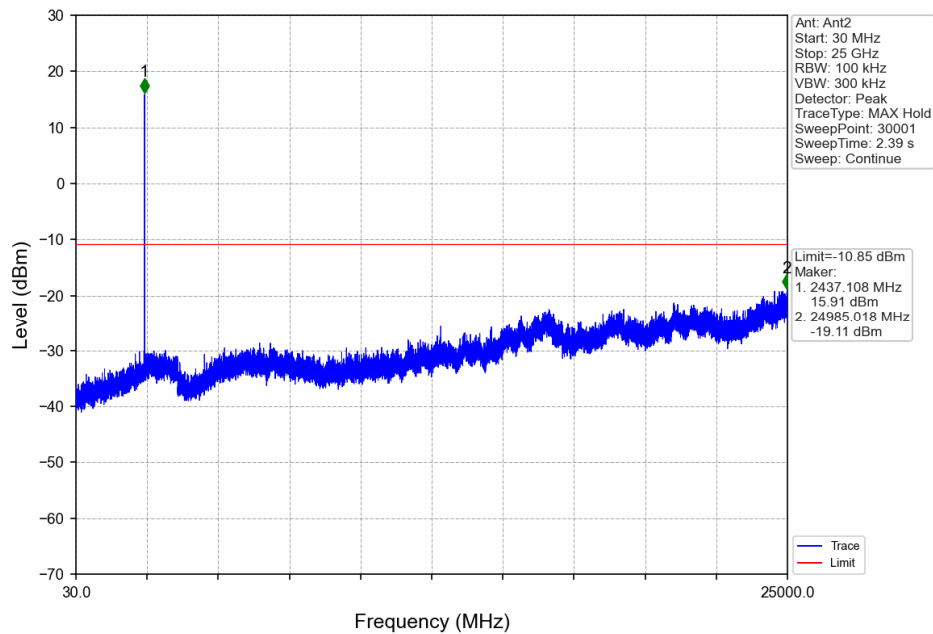
1_LCH_2410.5MHz_Ant2_NTNV



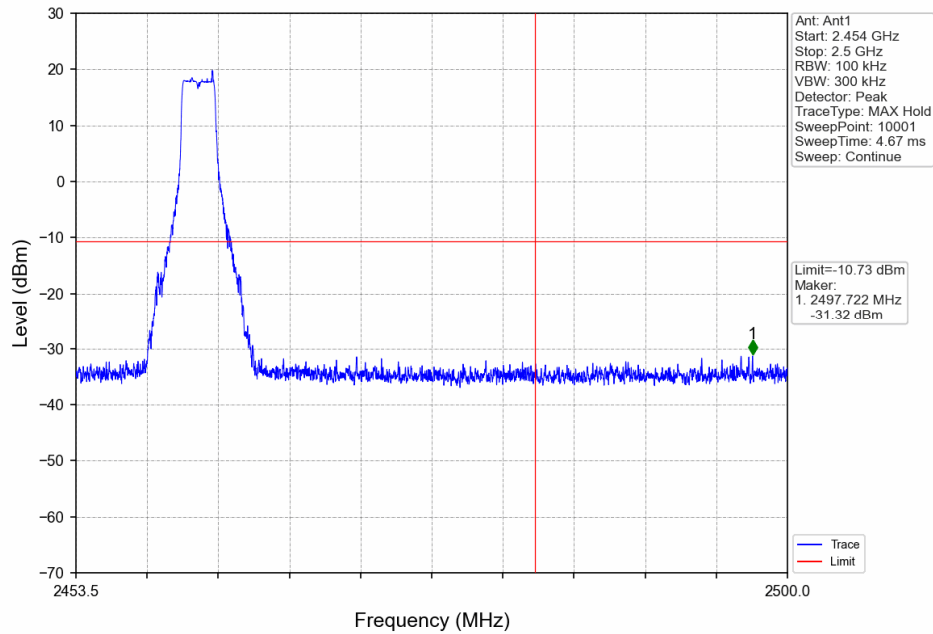
1_MCH_2437.5MHz_Ant1_NTNV



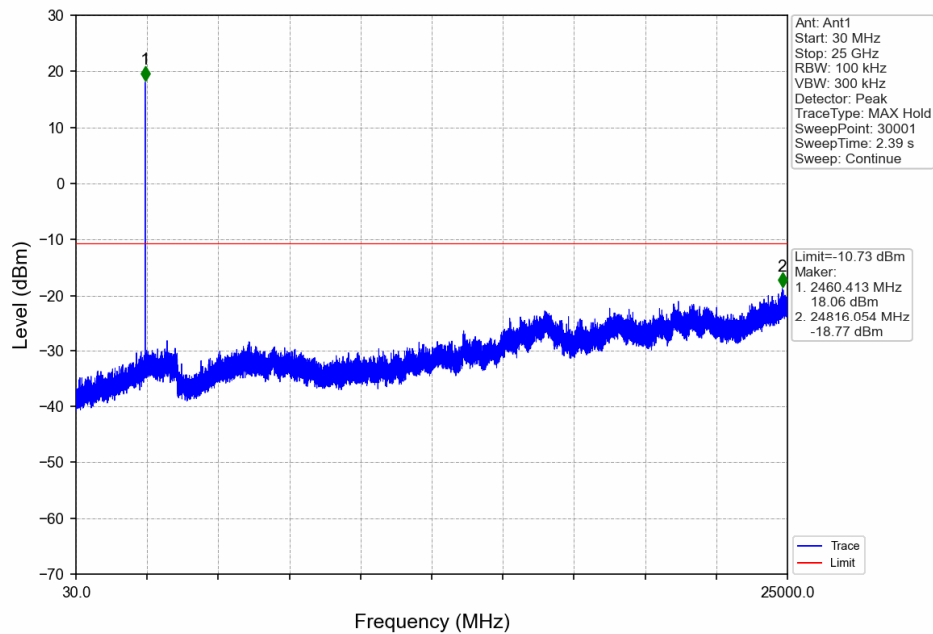
1_MCH_2437.5MHz_Ant2_NTNV



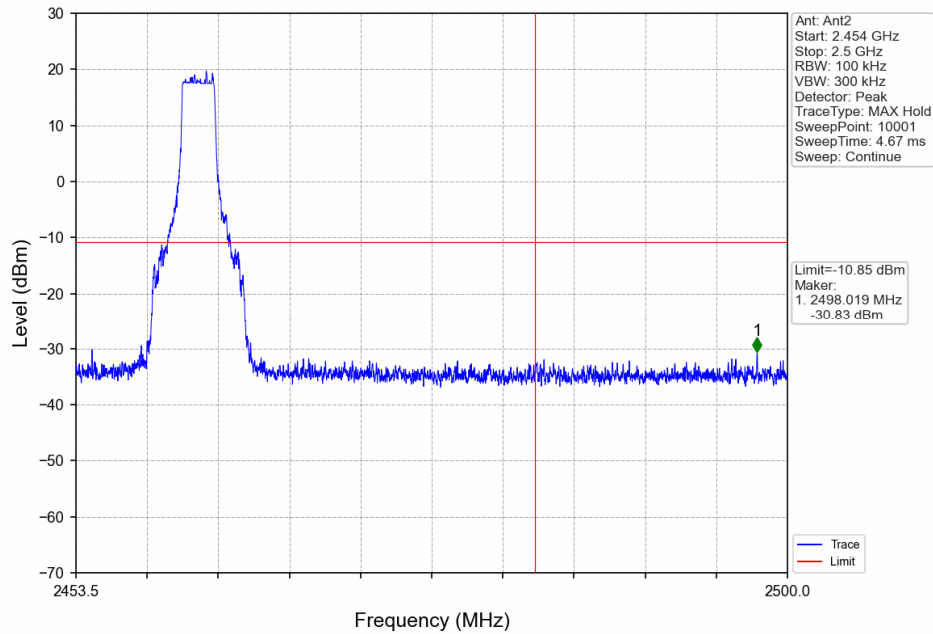
1_HCH_2461.5MHz_Ant1_NTNV



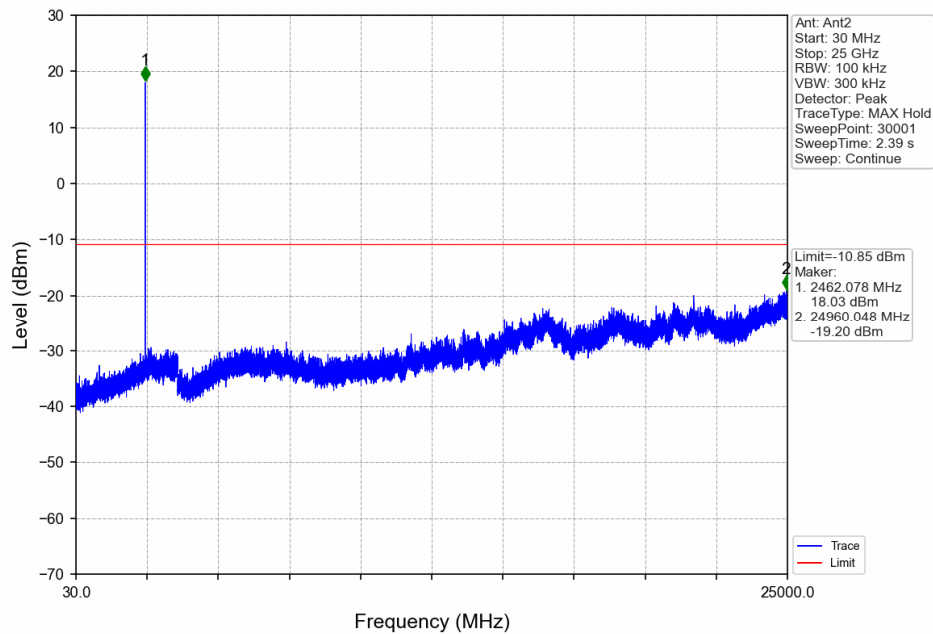
1_HCH_2461.5MHz_Ant1_NTNV



1_HCH_2461.5MHz_Ant2_NTNV



1_HCH_2461.5MHz_Ant2_NTNV



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

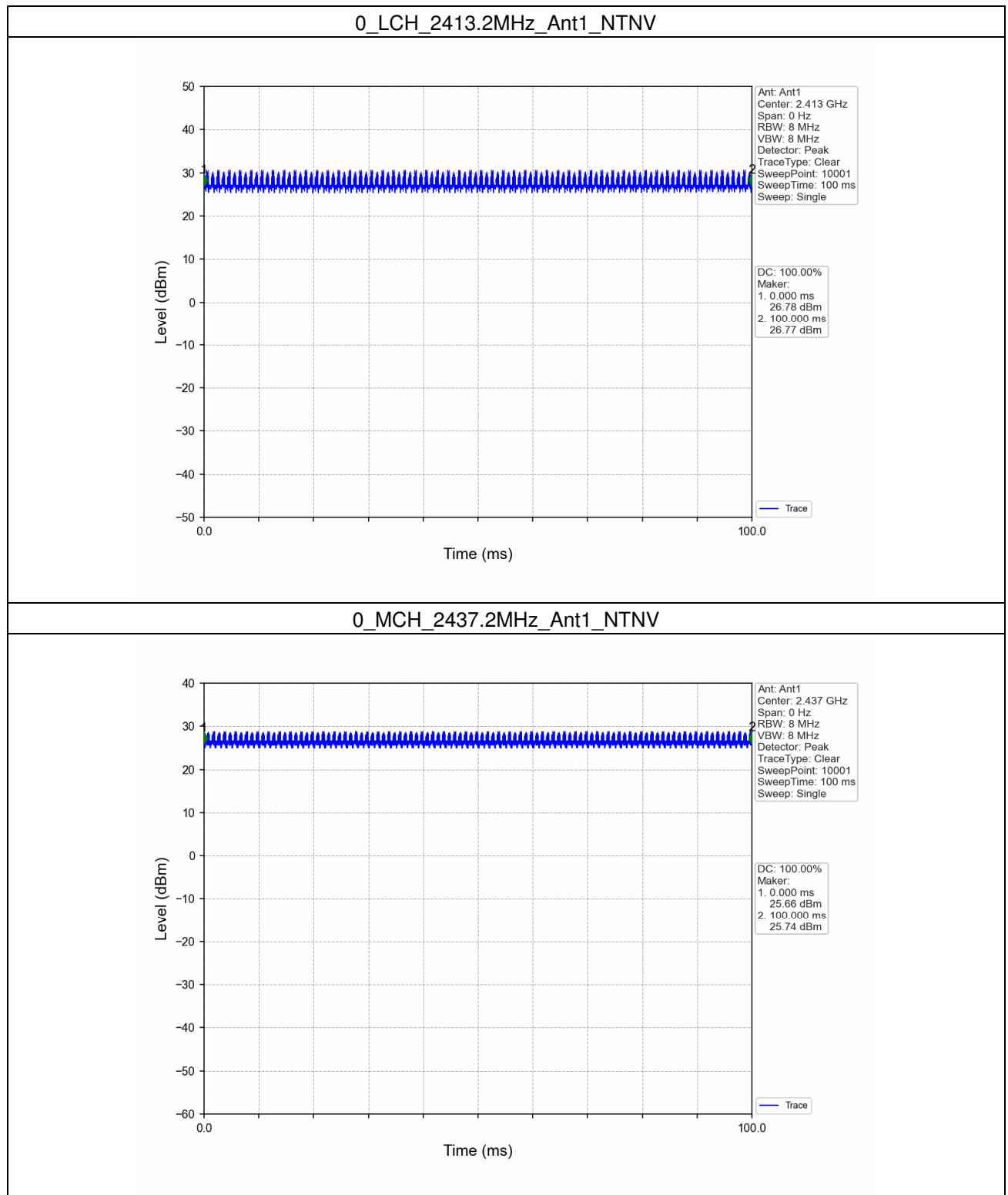
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
3M CA	MIMO	2413.2	100.00	100.00	100.00	0.00	0.00
		2437.2	100.00	100.00	100.00	0.00	0.00
		2464.2	100.00	100.00	100.00	0.00	0.00



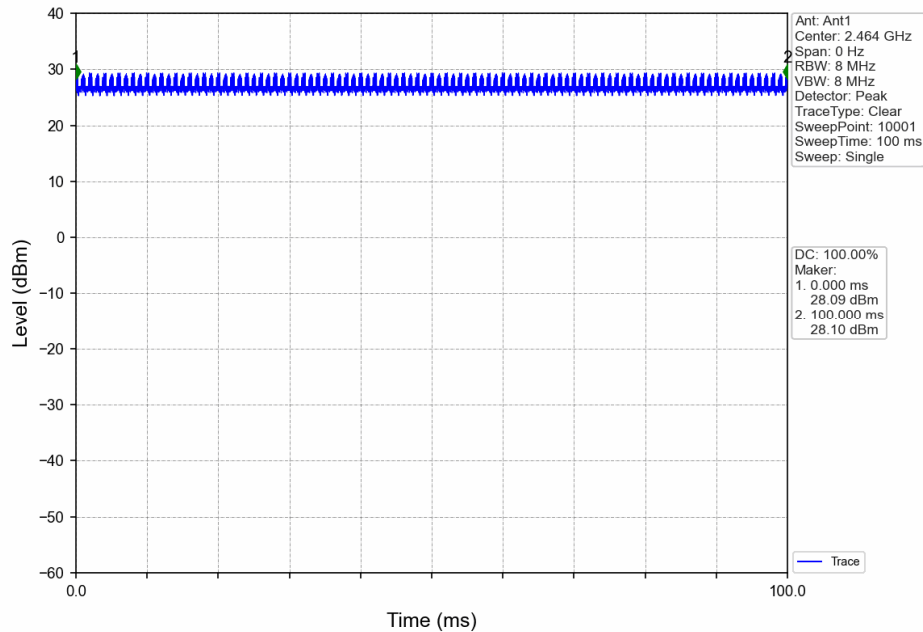
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1.1.2 Test Graph



0_HCH_2464.2MHz_Ant1_NTNV



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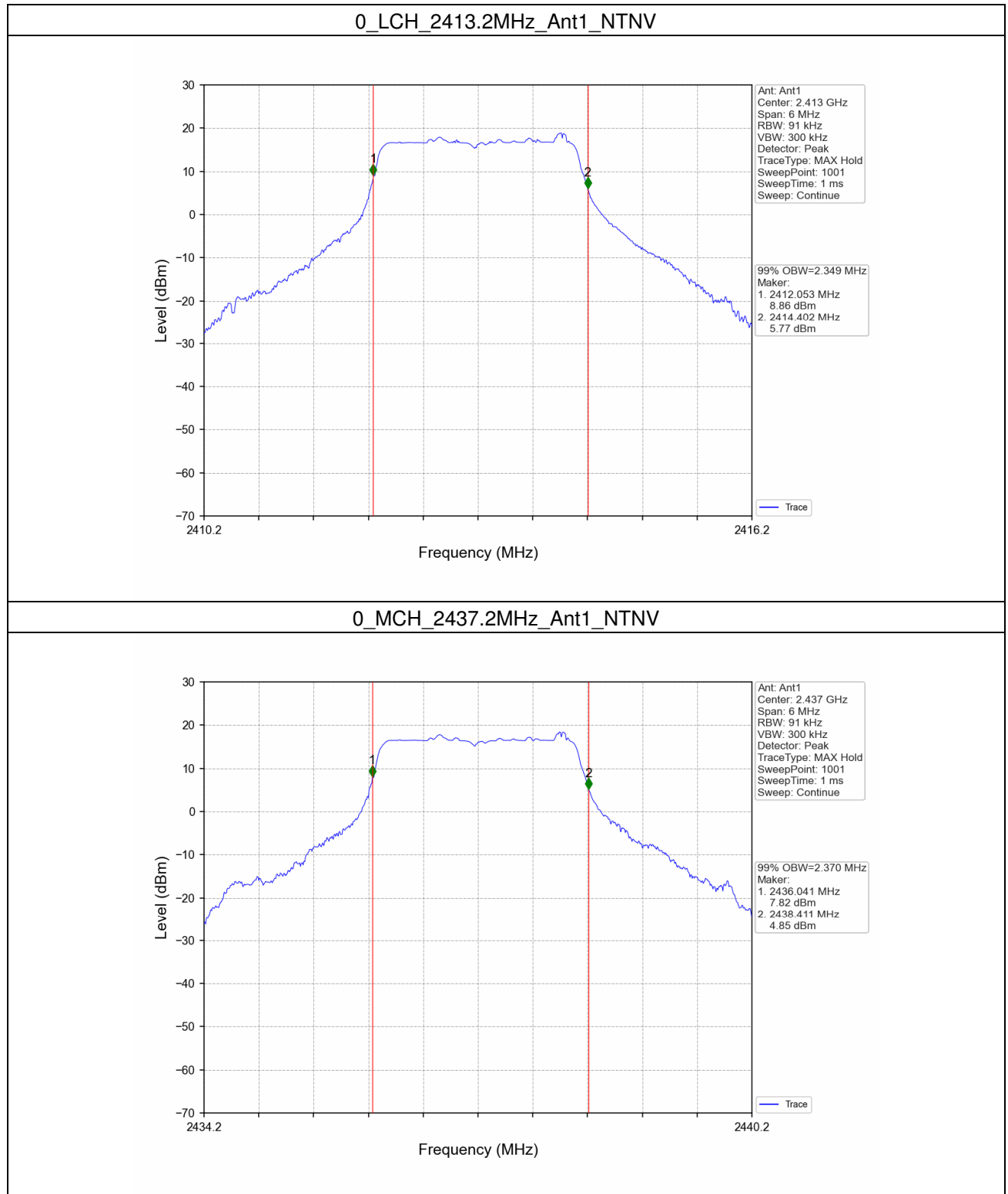
2. Bandwidth

2.1 OBW

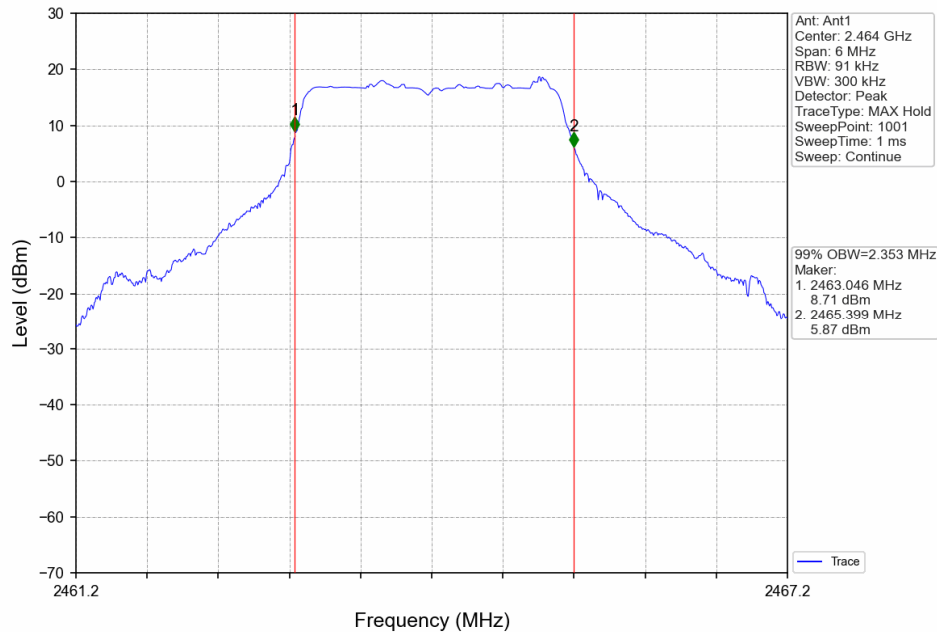
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
3M CA	MIMO	2413.2	1	2.35	/	Pass
		2437.2	1	2.37	/	Pass
		2464.2	1	2.35	/	Pass

2.1.2 Test Graph



0_HCH_2464.2MHz_Ant1_NTNV



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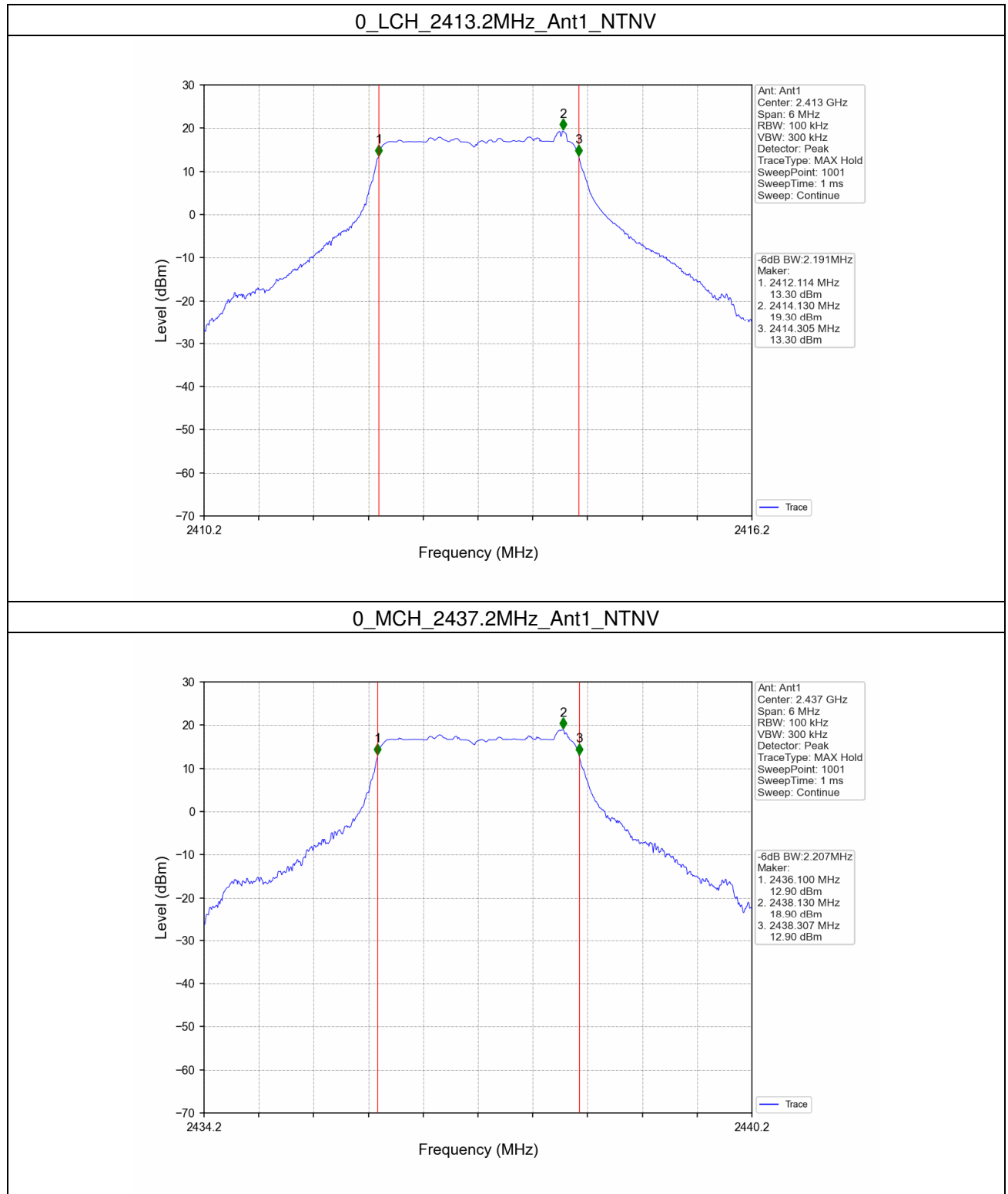
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2.2 6dB BW

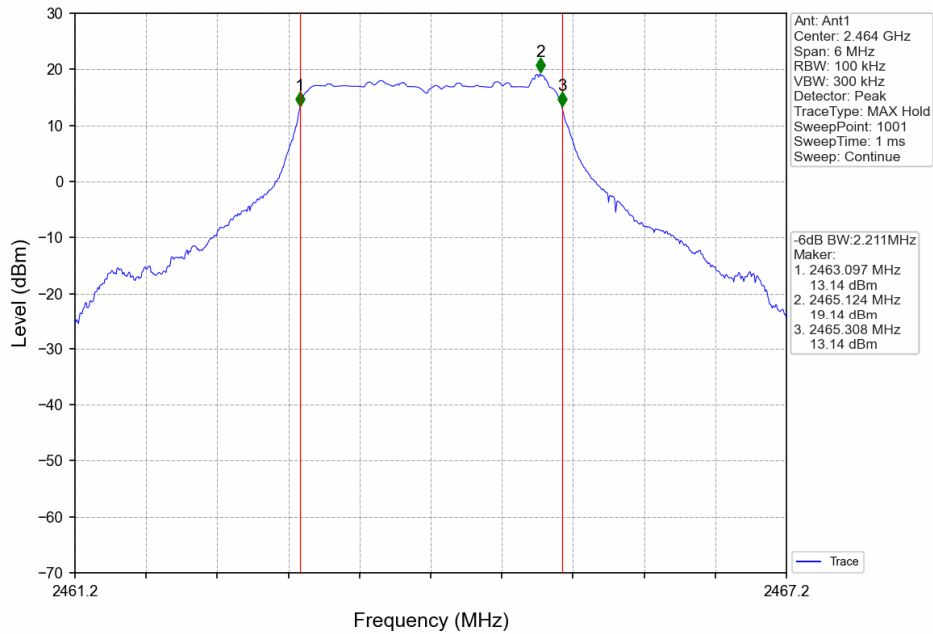
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
3M CA	MIMO	2413.2	1	2.19	≥ 0.5	Pass
		2437.2	1	2.21	≥ 0.5	Pass
		2464.2	1	2.21	≥ 0.5	Pass

2.2.2 Test Graph



0_HCH_2464.2MHz_Ant1_NTNV



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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 CA	SISO	2413.2	25.73	<=30	Pass
		2437.2	25.88	<=30	Pass
		2464.2	25.87	<=30	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
3M CA	SISO	2413.2	26.02	<=30	Pass
		2437.2	25.69	<=30	Pass
		2464.2	26.13	<=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 CA	MIMO	2413.2	22.18	22.69	25.45	<=29.9	Pass
		2437.2	21.83	21.98	24.92	<=29.9	Pass
		2464.2	22.21	22.75	25.50	<=29.9	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;							
Note2: Directional Gain= $G_{Ant}+10\log(N_{Ant})$ dBi = 3.0+10log (2) dBi = 6.01dBi							

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

Antenna 1:

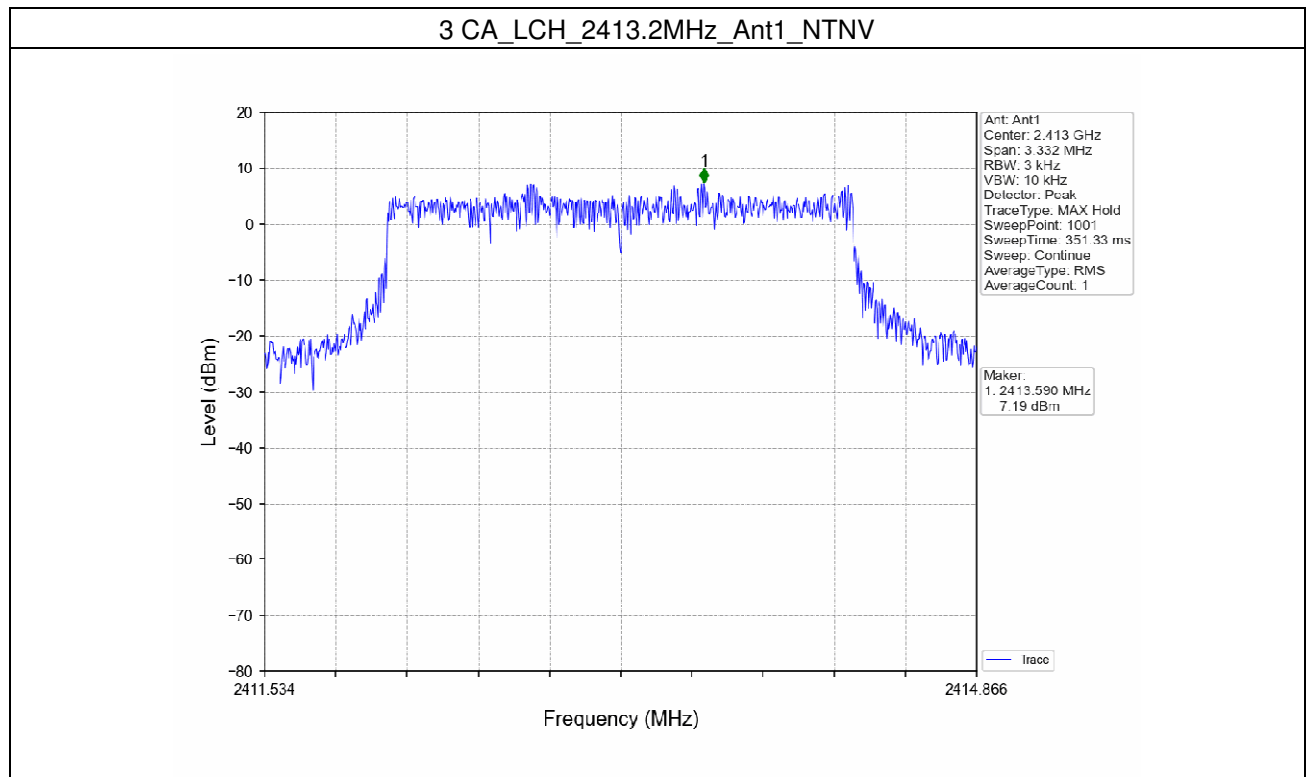
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
3M CA	SISO	2413.2	7.19	<=8	Pass
		2437.2	7.31	<=8	Pass
		2464.2	7.39	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

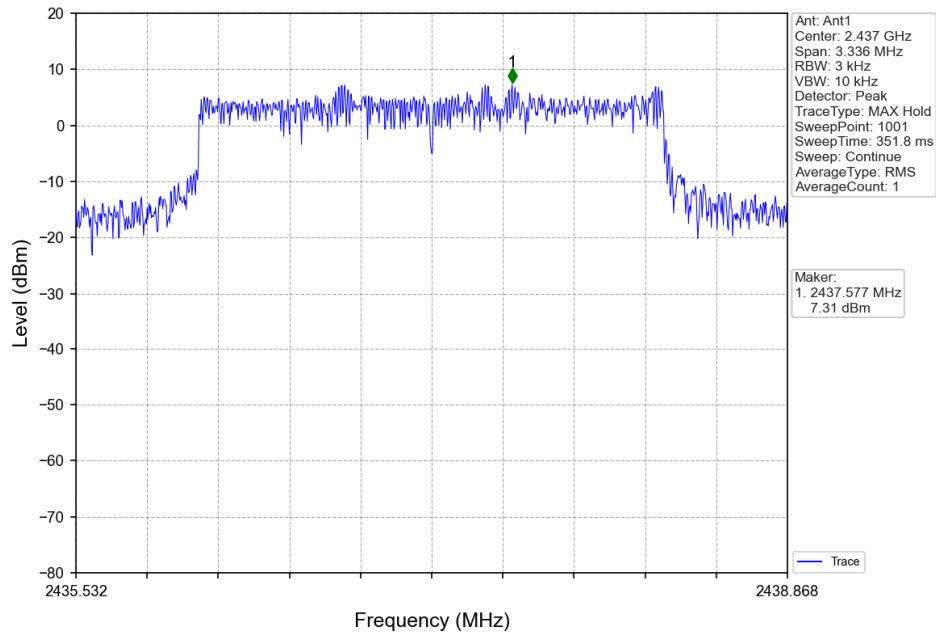
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
3M CA	SISO	2413.2	7.50	<=8	Pass
		2437.2	7.16	<=8	Pass
		2464.2	7.56	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
			Ant1	Ant2	Sum		
3M CA	MIMO	2413.2	5.37	5.69	6.62	<=8	Pass
		2437.2	5.10	5.03	6.20	<=8	Pass
		2464.2	5.60	5.83	6.81	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;							

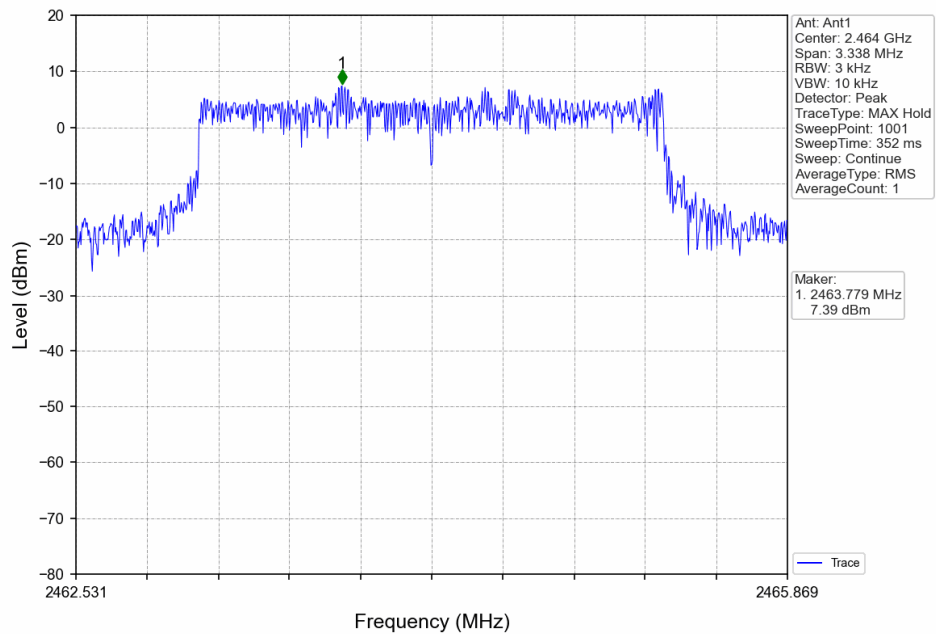
4.1.2 Test Graph



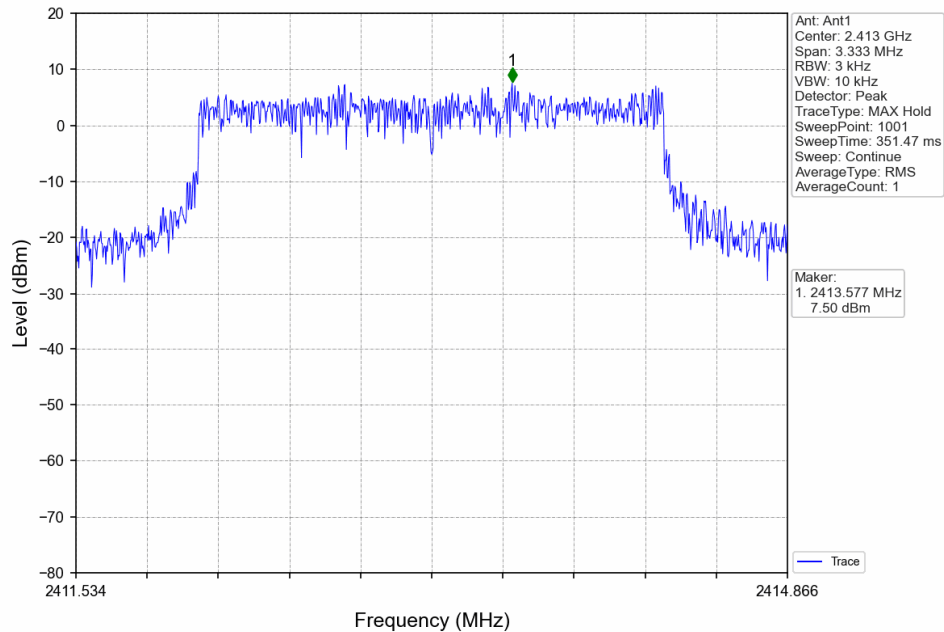
3 CA_MCH_2437.2MHz_Ant1_NTNV



3 CA_HCH_2464.2MHz_Ant1_NTNV



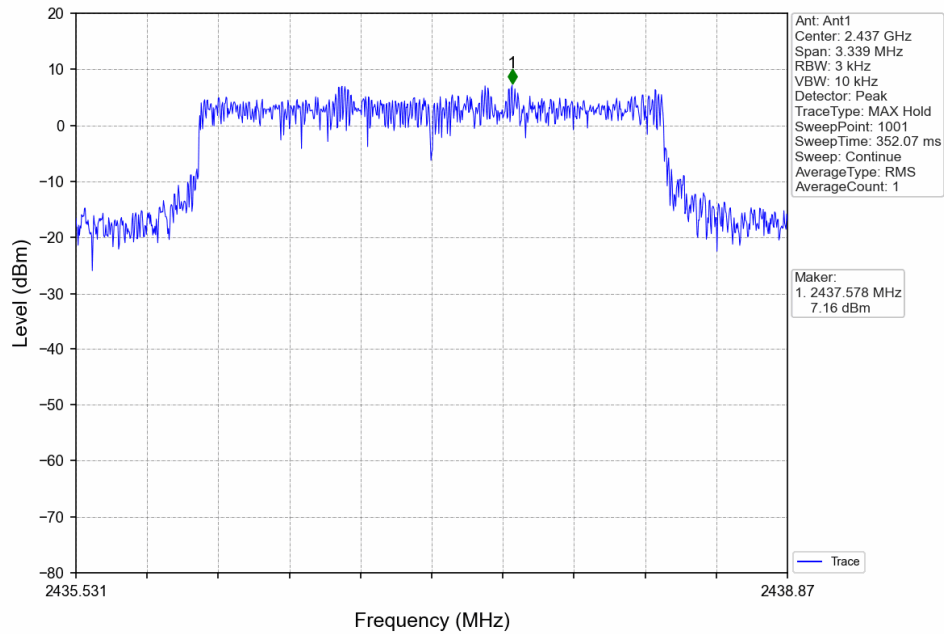
3 CA_LCH_2413.2MHz_Ant2_NTNV



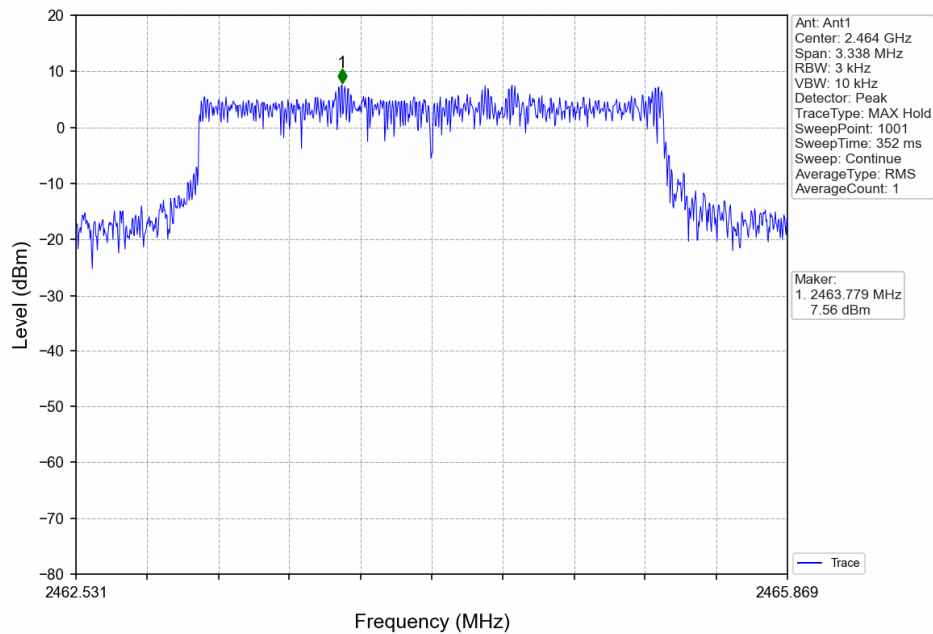
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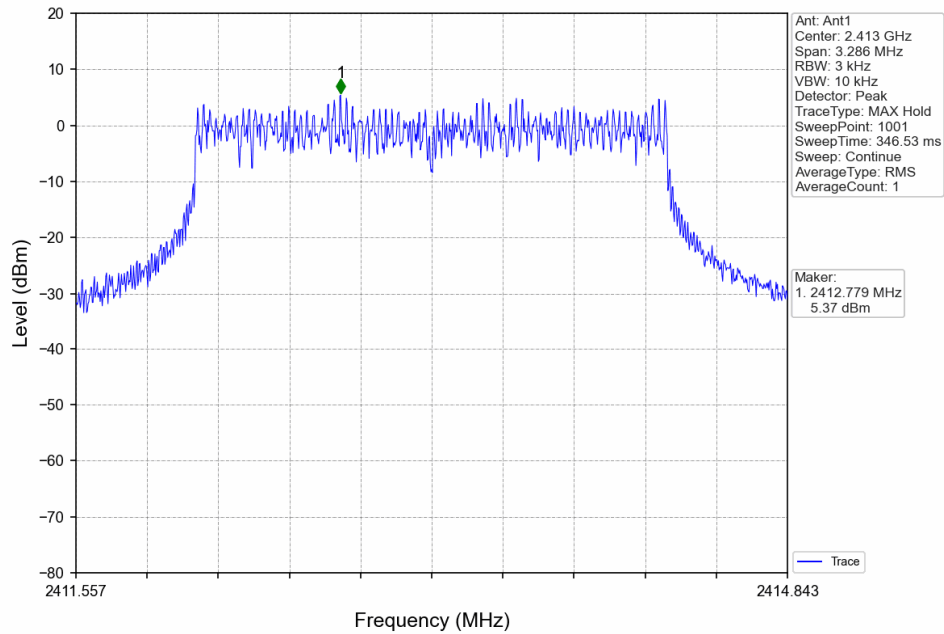
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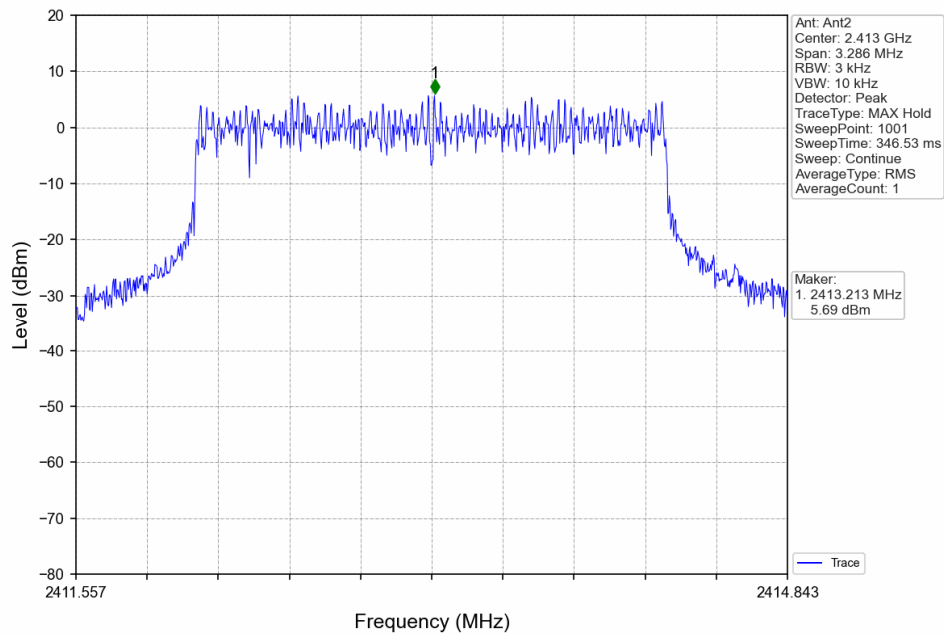
3 CA_HCH_2464.2MHz_Ant2_NTNV



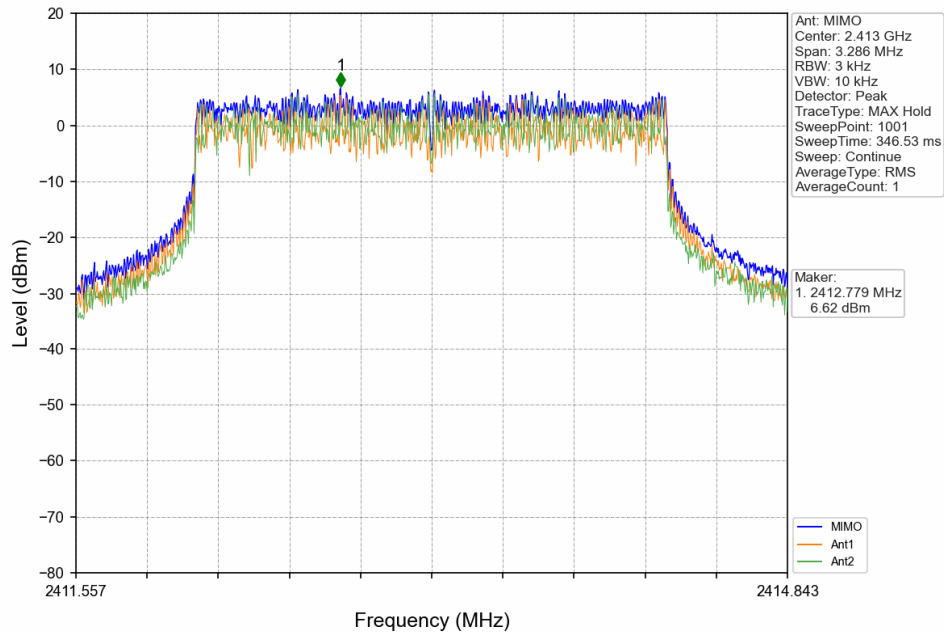
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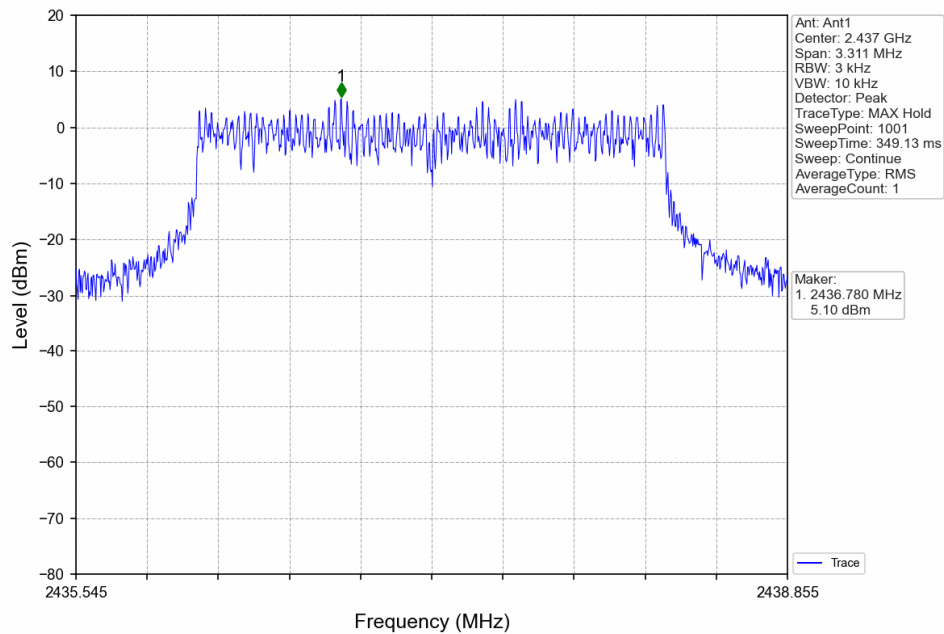
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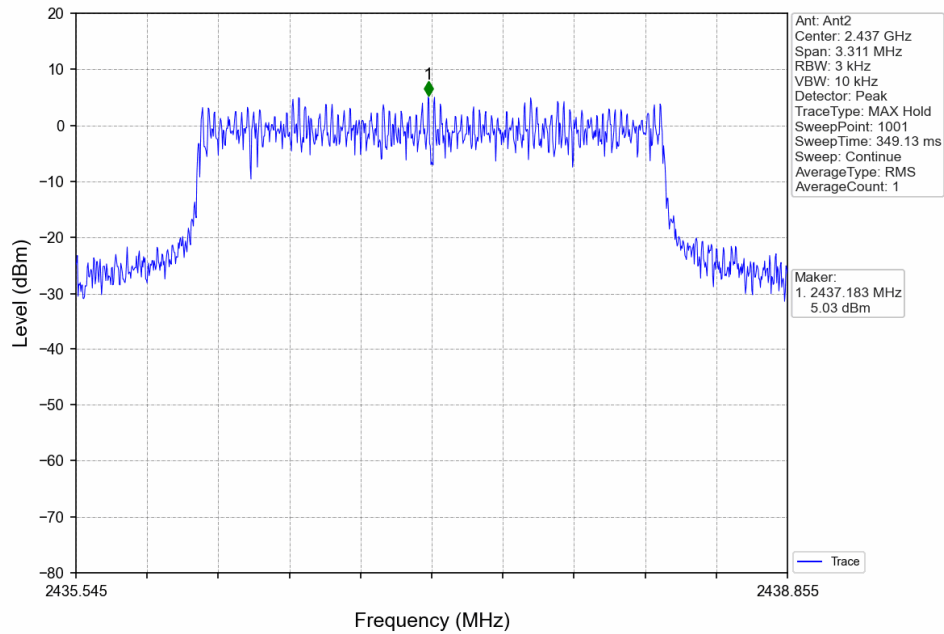
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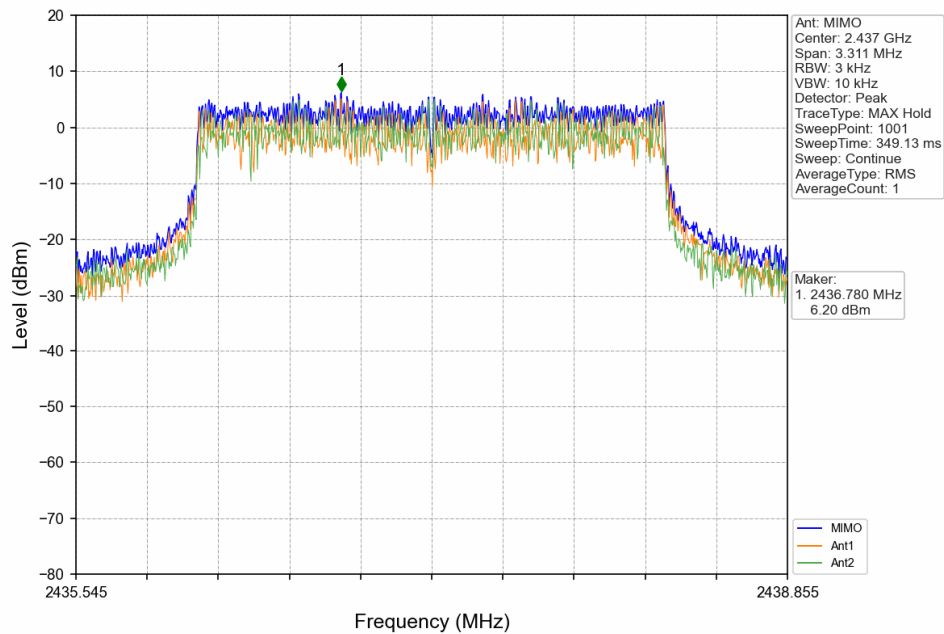
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0_MCH_2437.2MHz_Ant2_NTNV

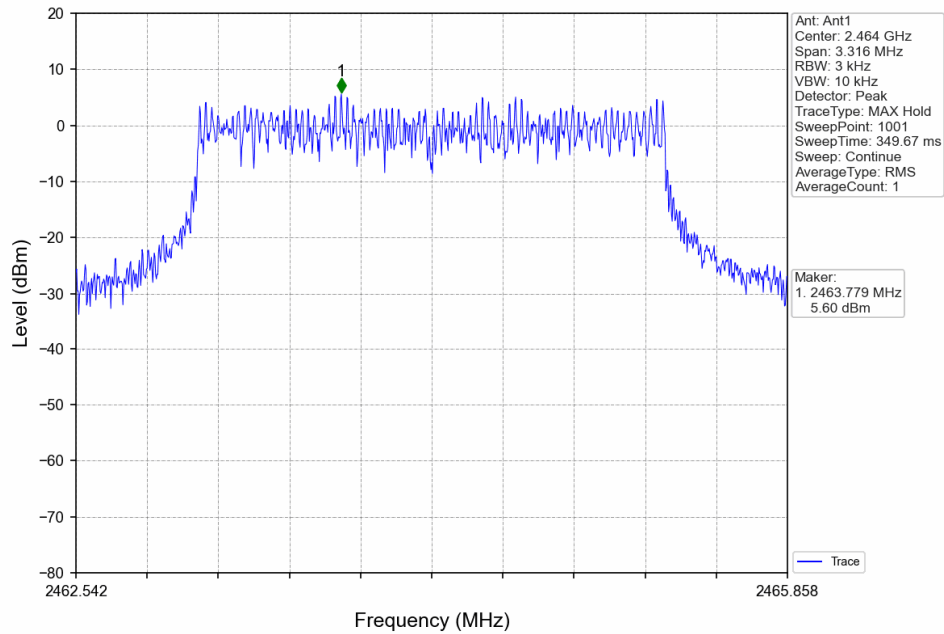


0_MCH_2437.2MHz_MIMO_NTNV

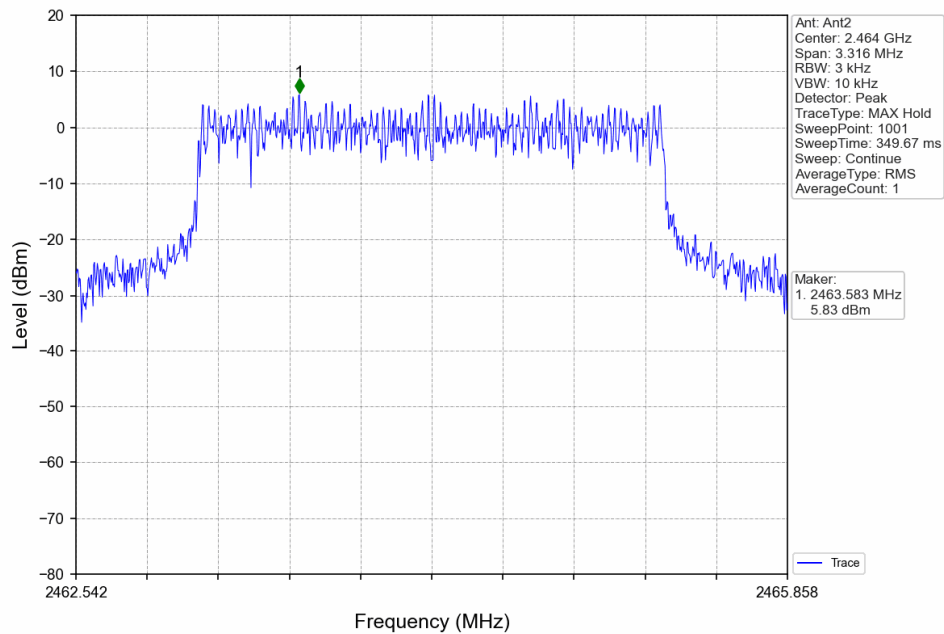


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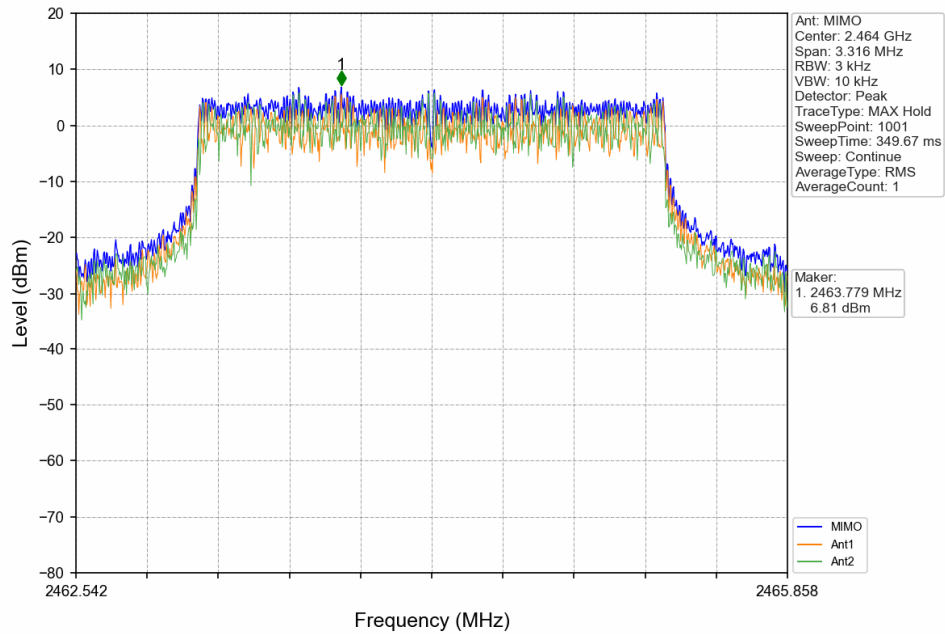
0_HCH_2464.2MHz_Ant1_NTNV



0_HCH_2464.2MHz_Ant2_NTNV



0_HCH_2464.2MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

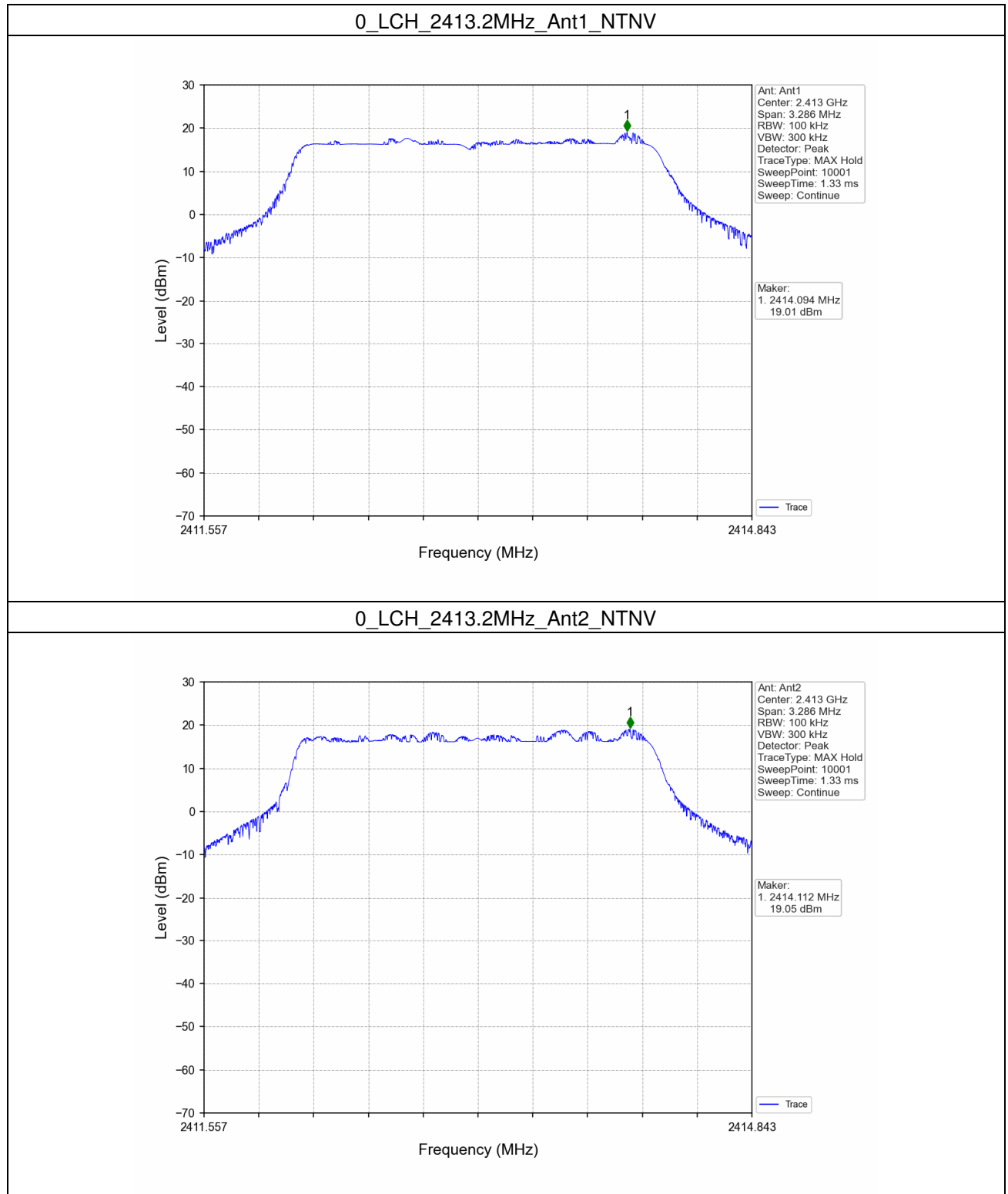
5.1 Ref

5.1.1 Test Result

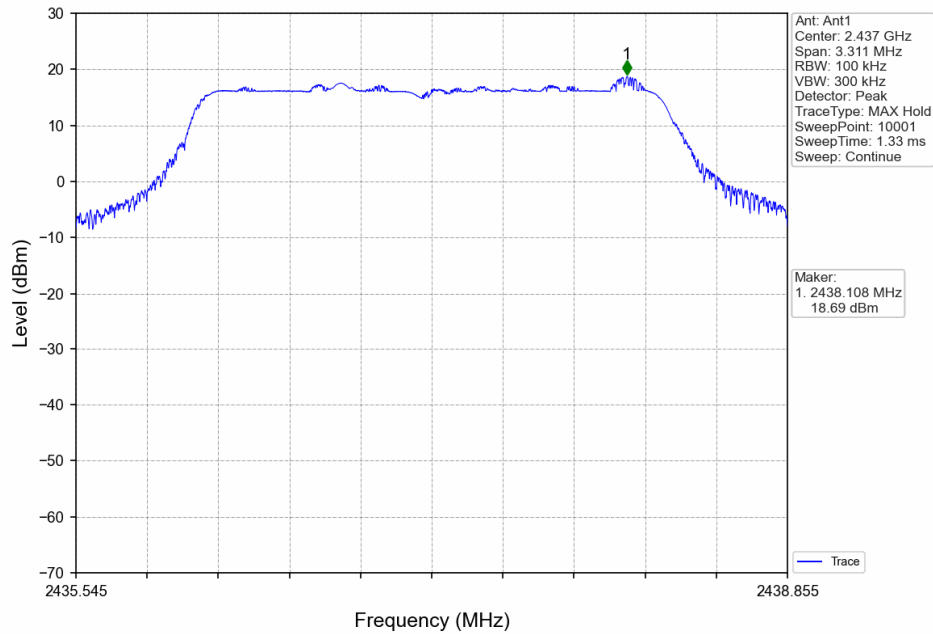
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
3M CA	MIMO	2413.2	1	19.01	/	/
			2	19.05	/	/
		2437.2	1	18.69	/	/
			2	18.21	/	/
		2464.2	1	18.95	/	/
			2	18.82	/	/

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.

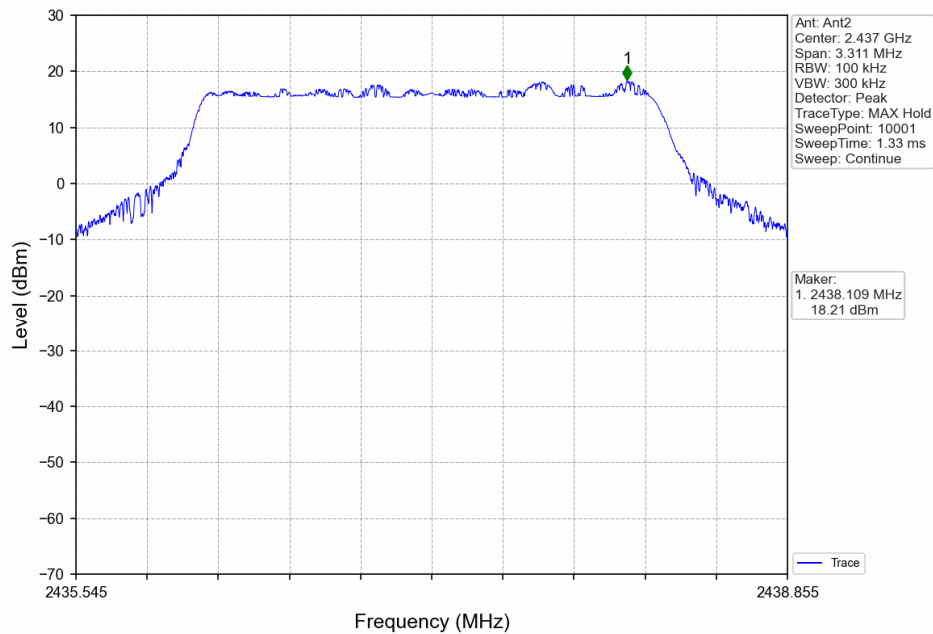
5.1.2 Test Graph



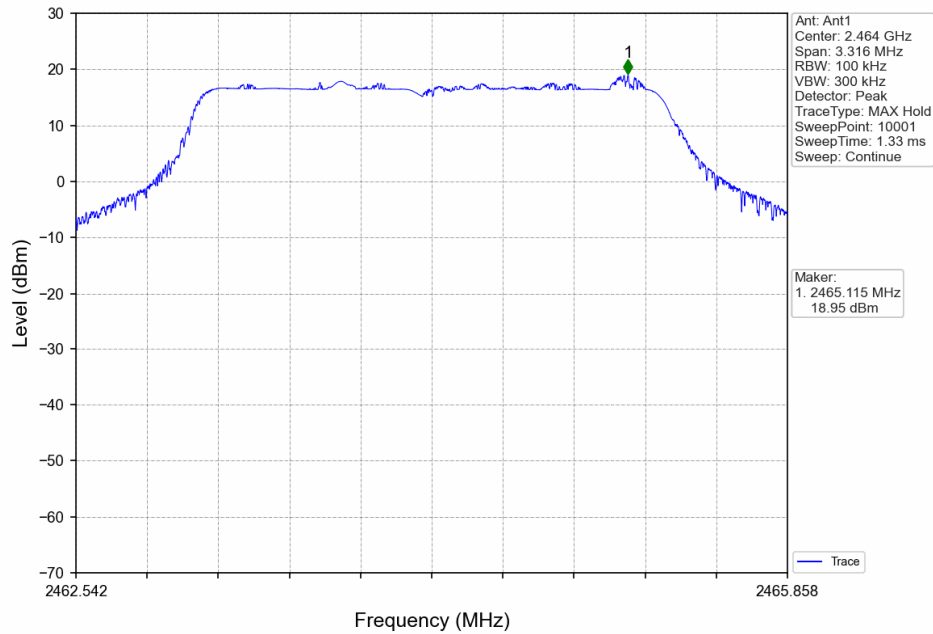
0_MCH_2437.2MHz_Ant1_NTNV



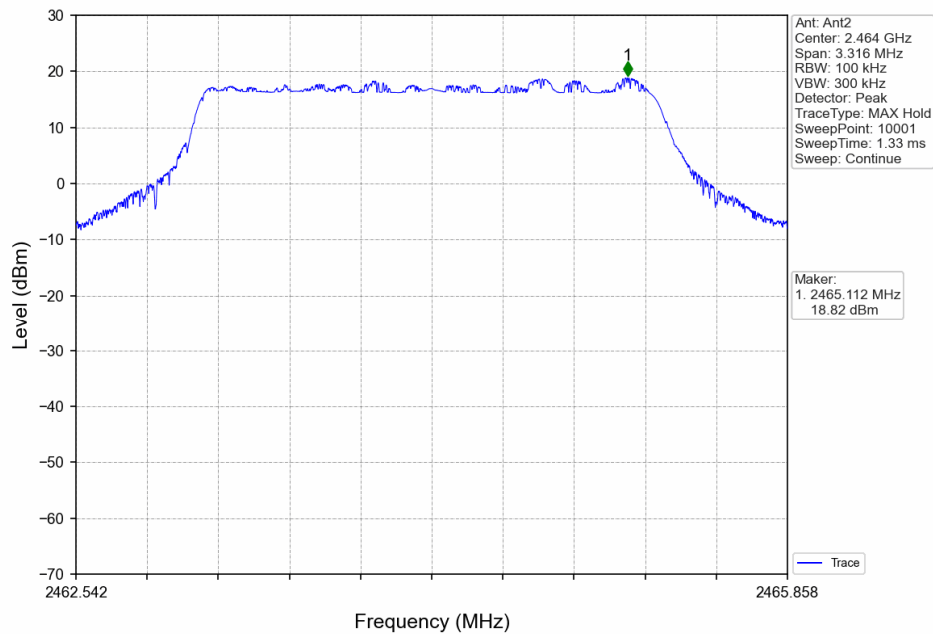
0_MCH_2437.2MHz_Ant2_NTNV



0_HCH_2464.2MHz_Ant1_NTNV



0_HCH_2464.2MHz_Ant2_NTNV



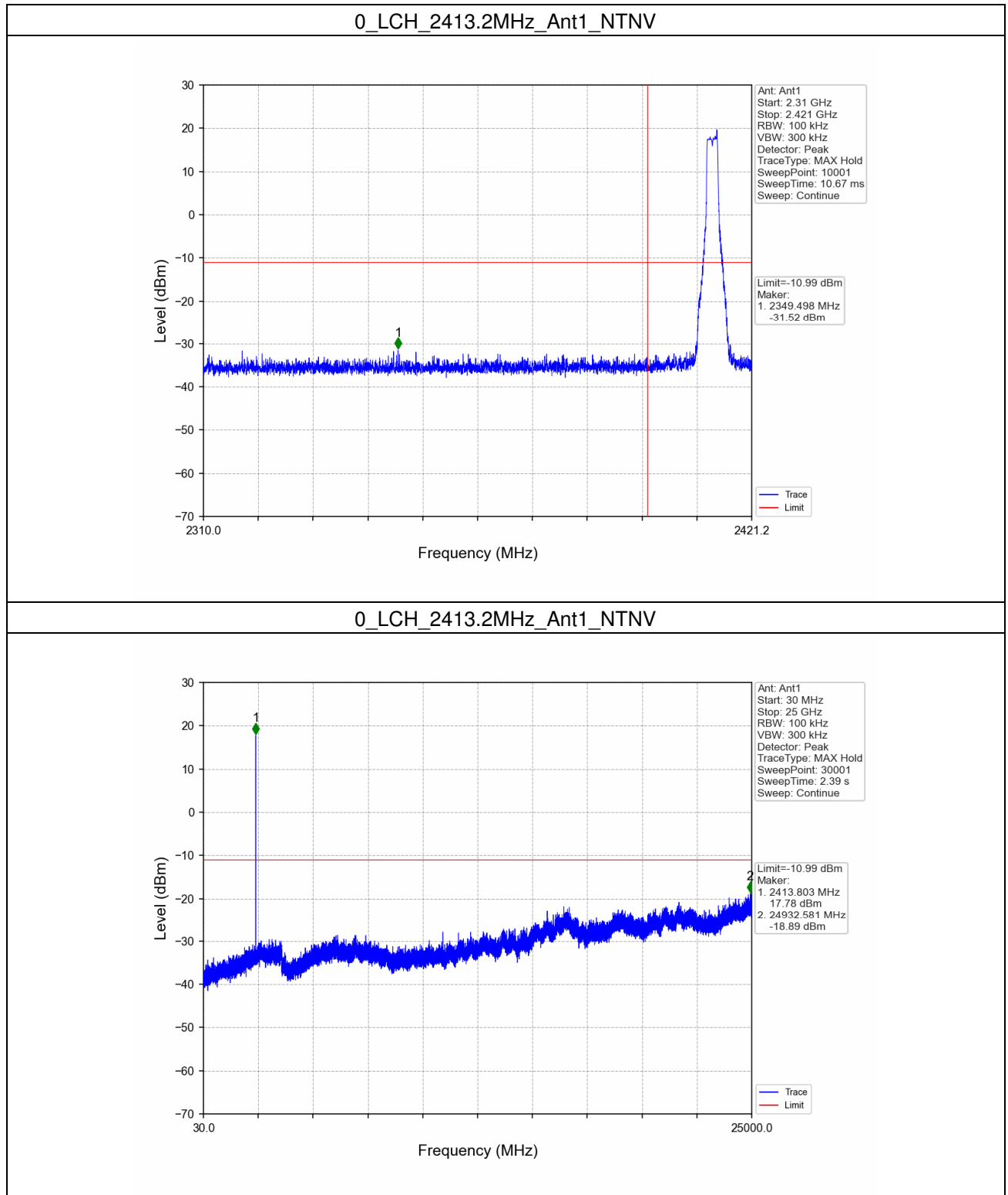
5.2 CSE

5.2.1 Test Result

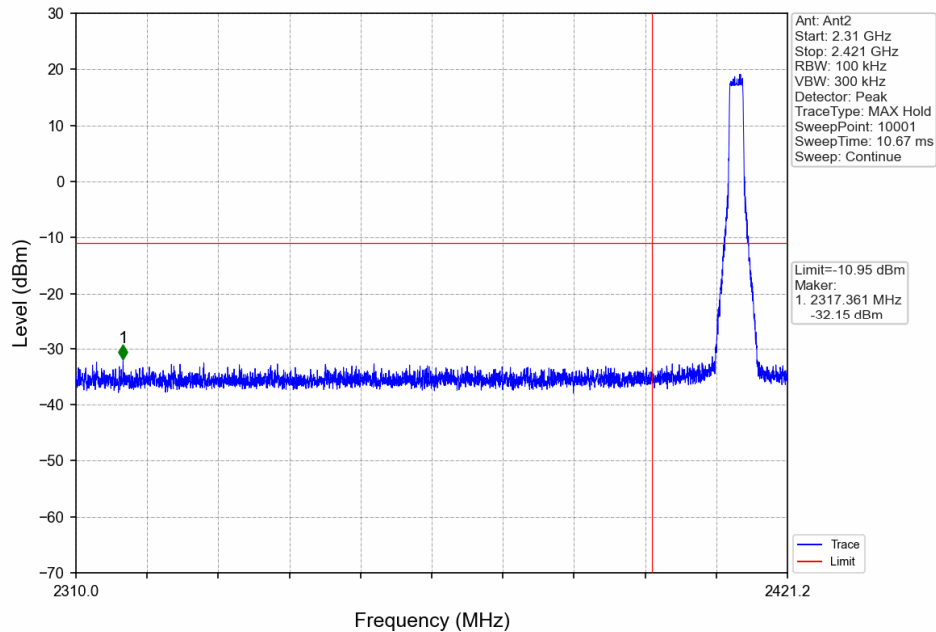
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
3M CA	MIMO	2413.2	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2437.2	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2464.2	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.

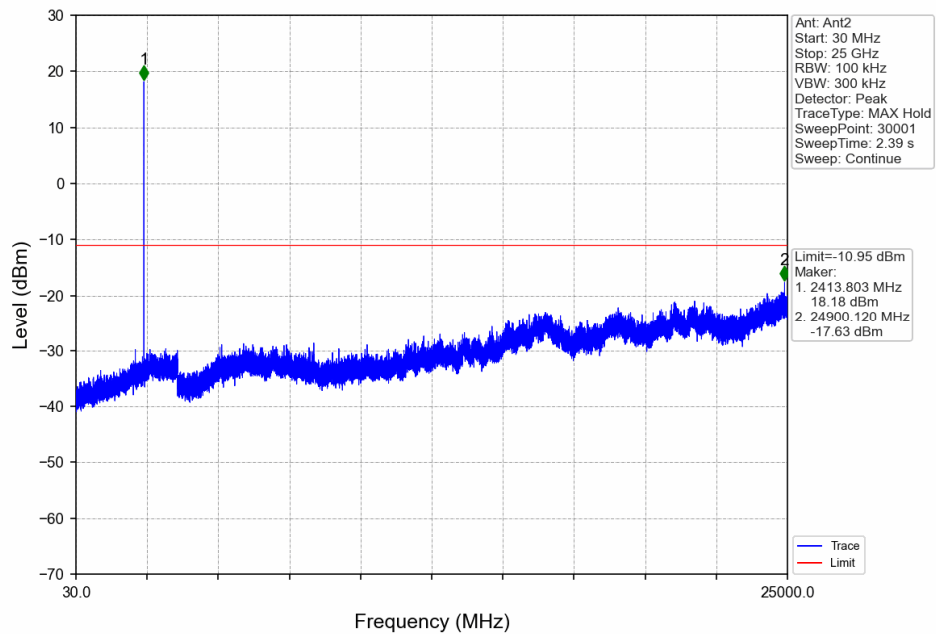
5.2.2 Test Graph



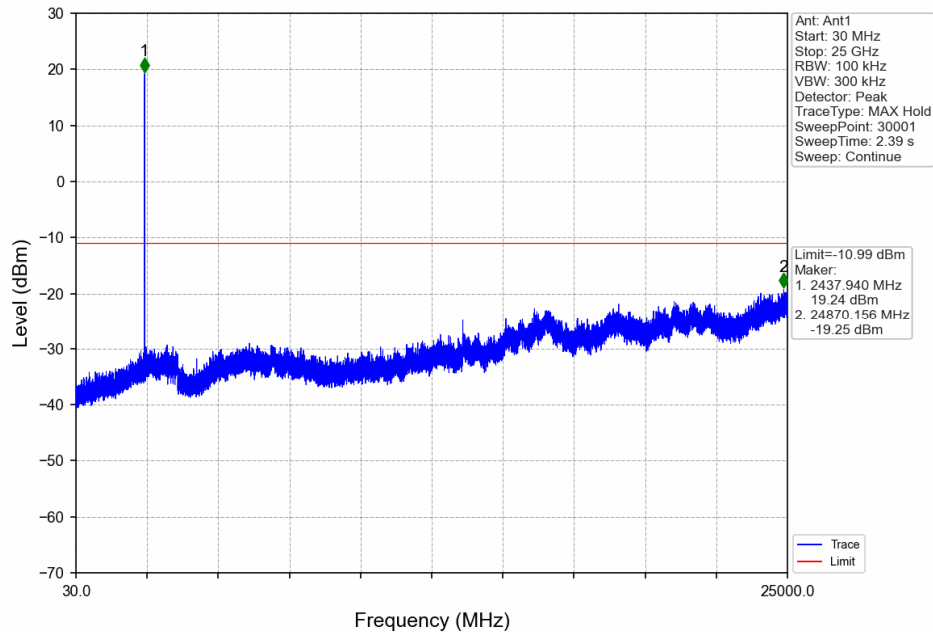
0_LCH_2413.2MHz_Ant2_NTNV



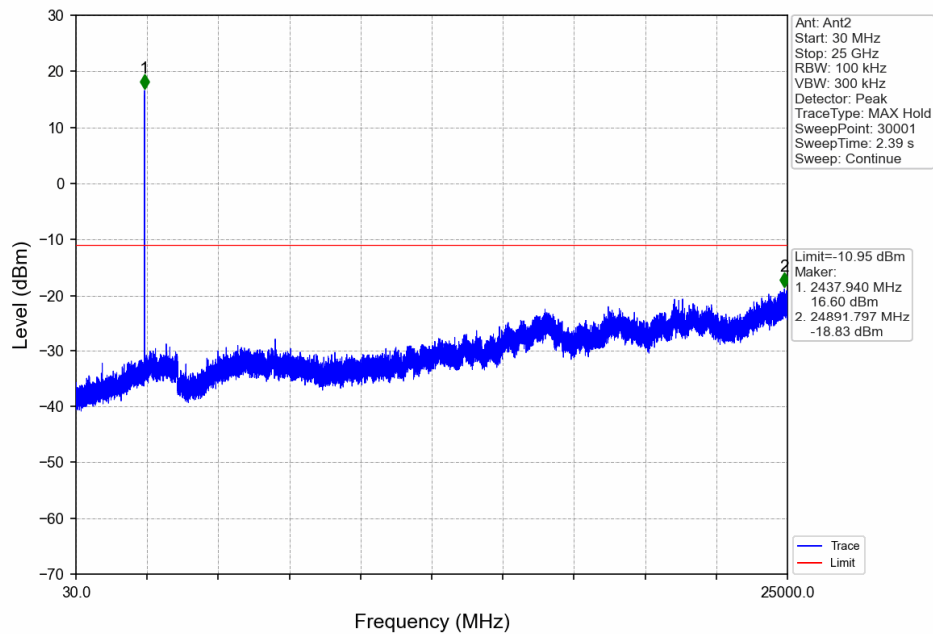
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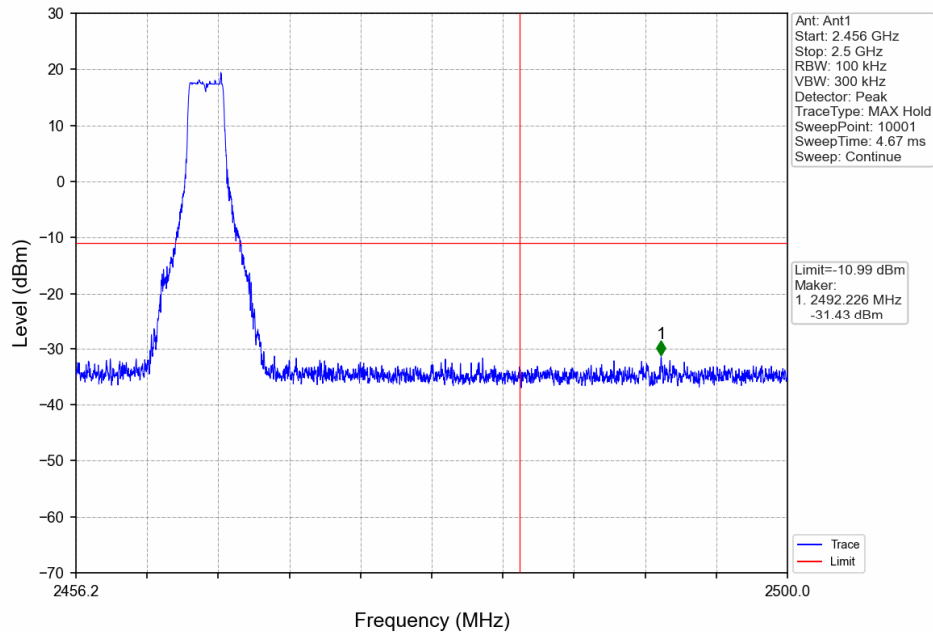
0_MCH_2437.2MHz_Ant1_NTNV



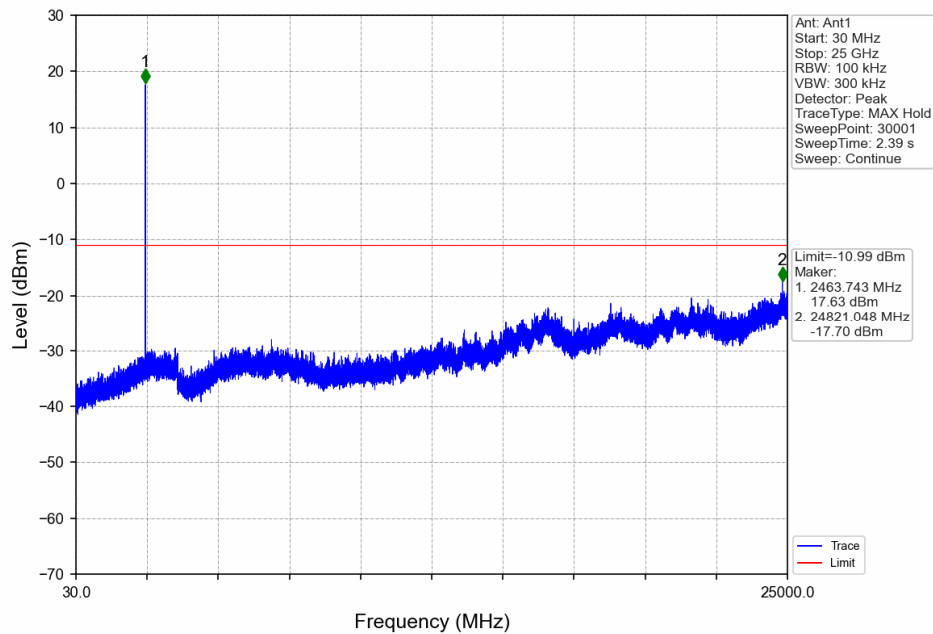
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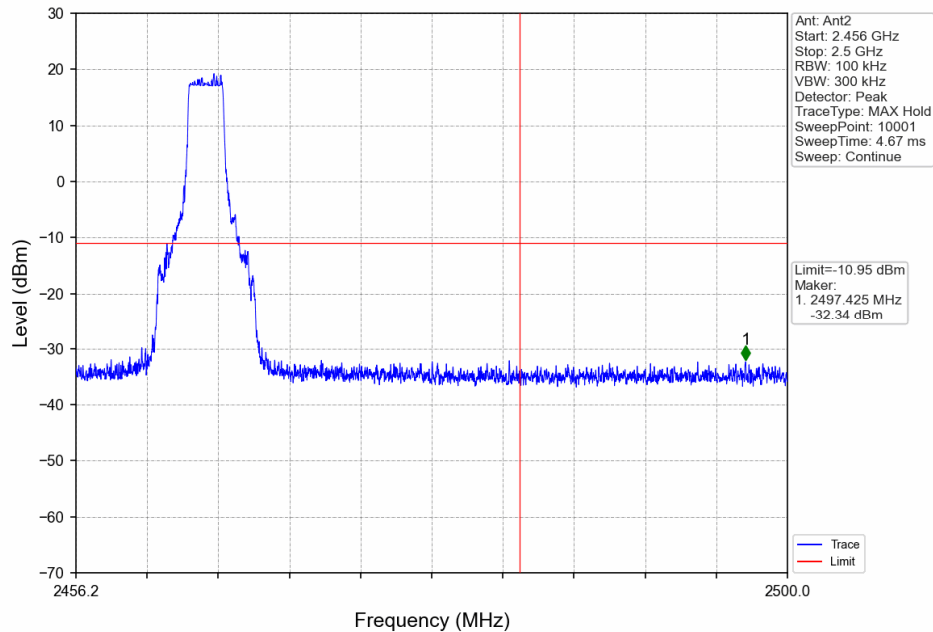
0_HCH_2464.2MHz_Ant1_NTNV



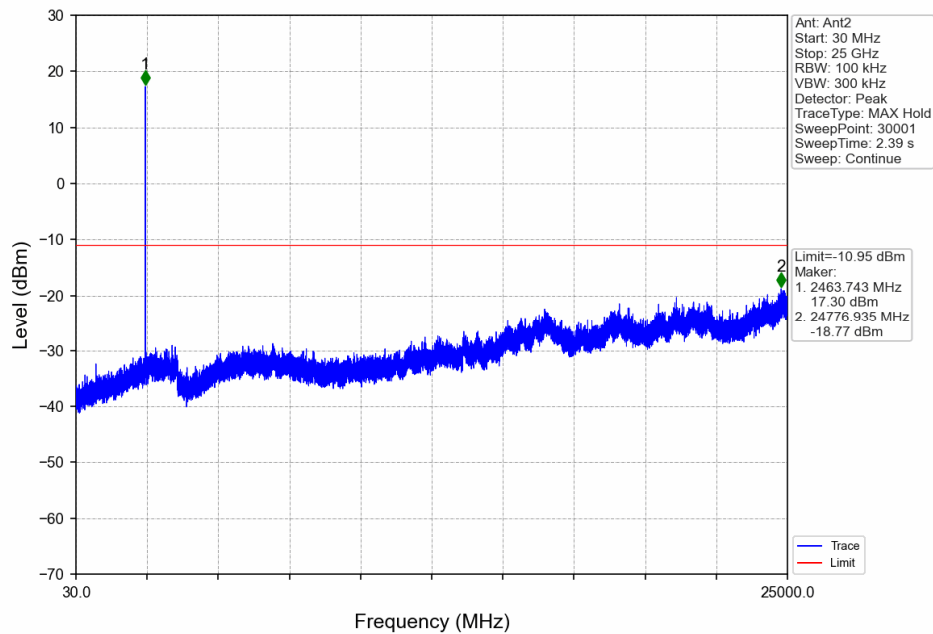
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0_HCH_2464.2MHz_Ant2_NTNV



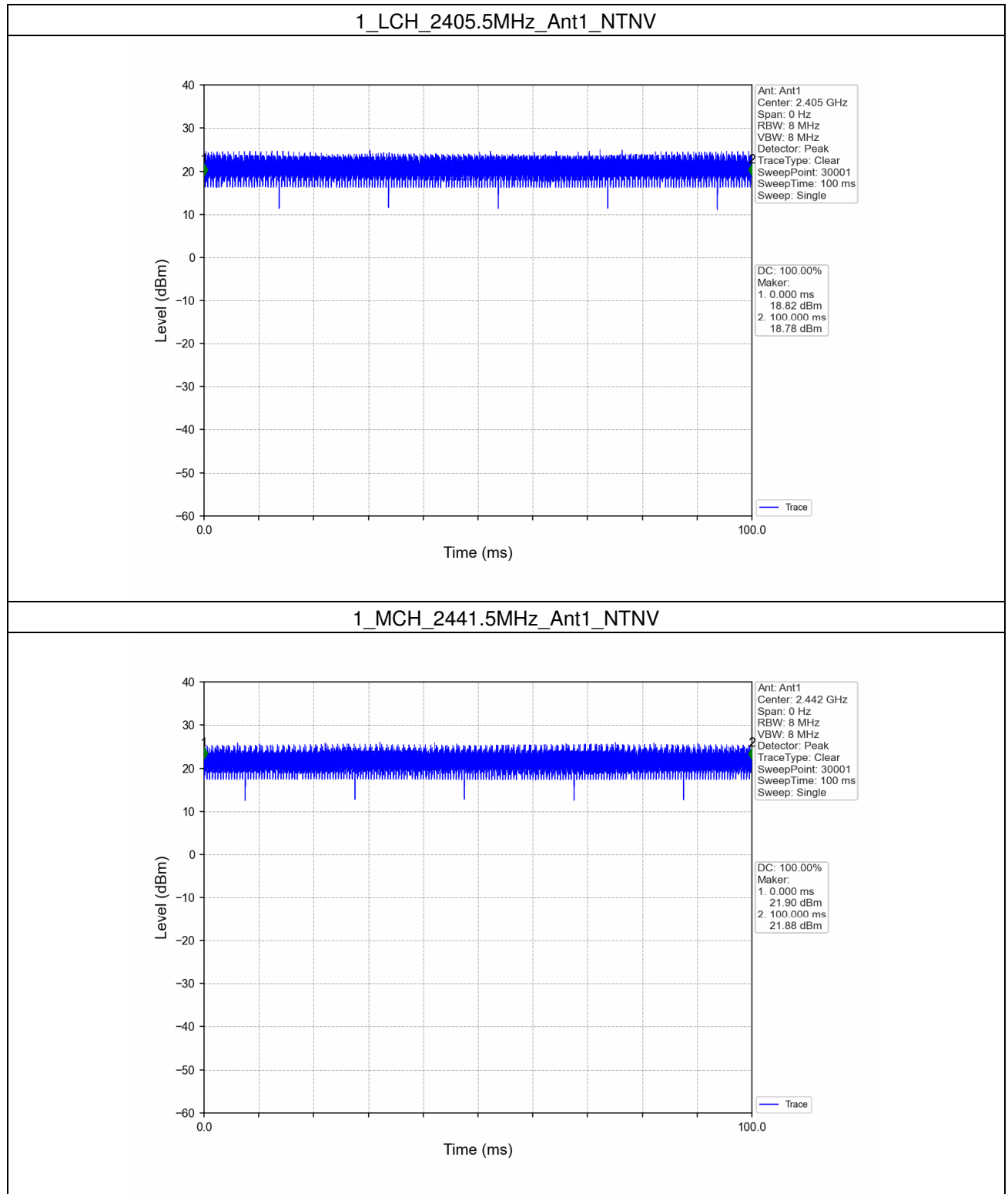
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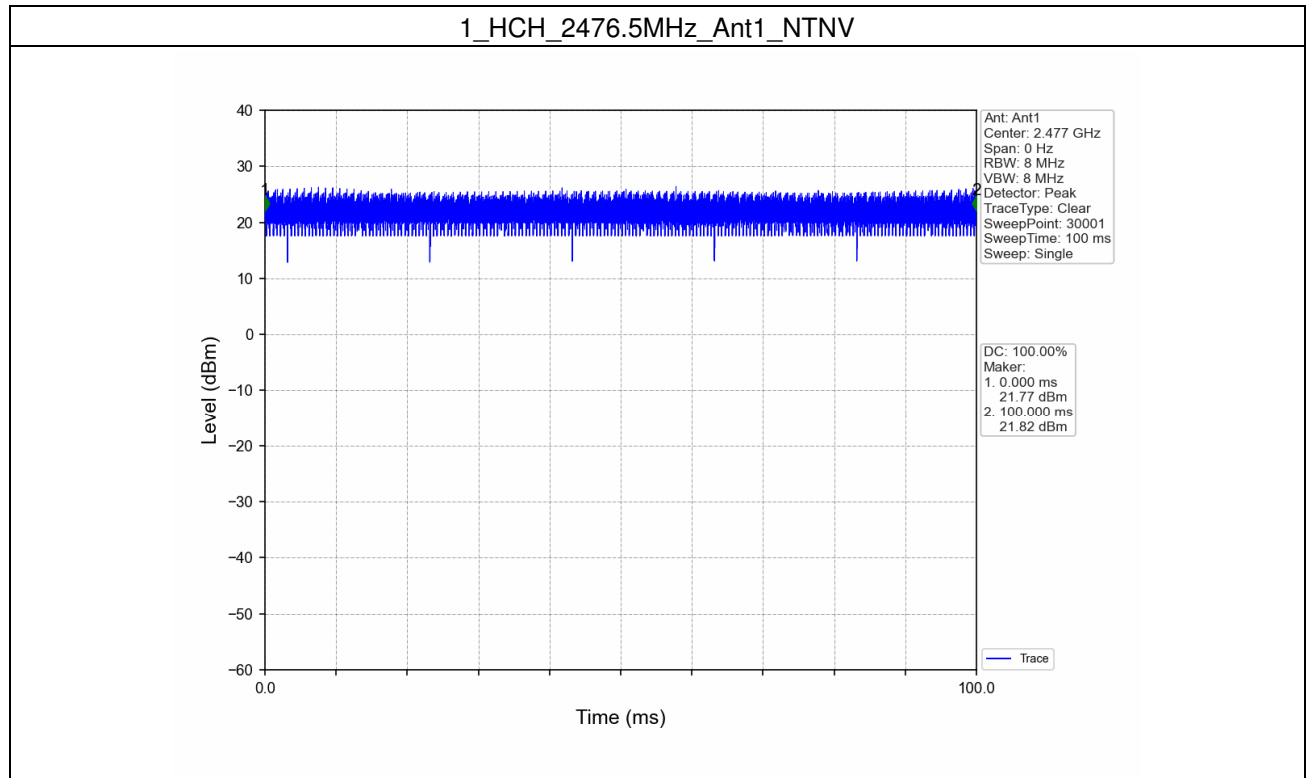


10MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10M	MIMO	2405.5	100.00	100.00	100.00	0.00	0.00
		2441.5	100.00	100.00	100.00	0.00	0.00
		2476.5	100.00	100.00	100.00	0.00	0.00

1.1.2 Test Graph





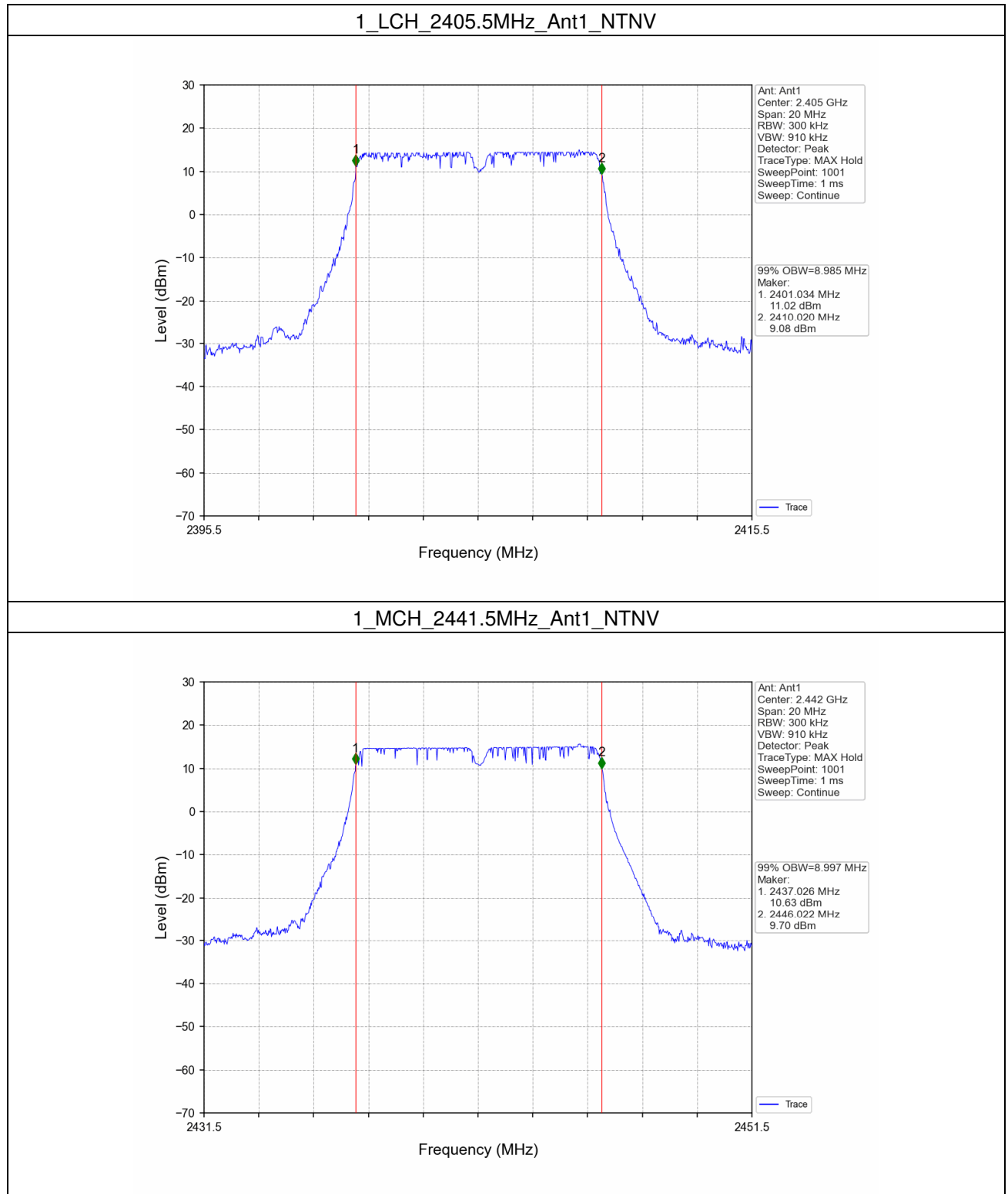
2. Bandwidth

2.1 OBW

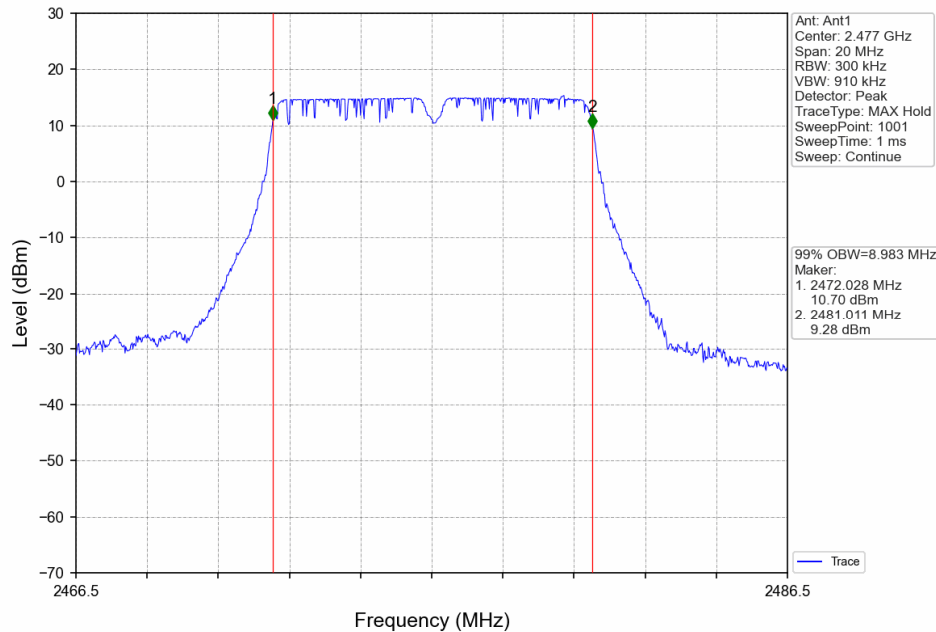
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
10M	MIMO	2405.5	1	8.98	/	Pass
		2441.5	1	9.00	/	Pass
		2476.5	1	8.98	/	Pass

2.1.2 Test Graph



1_HCH_2476.5MHz_Ant1_NTNV



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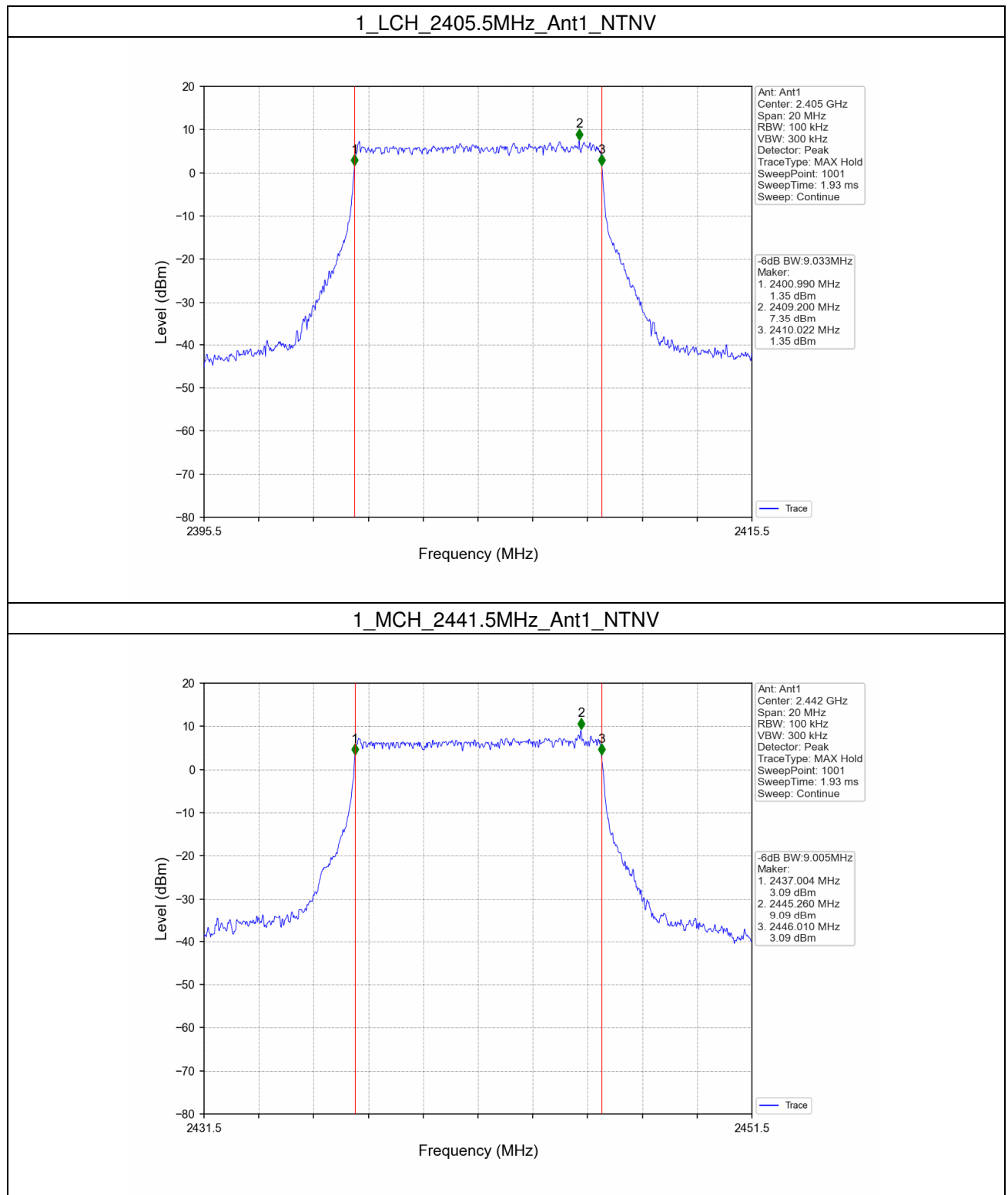
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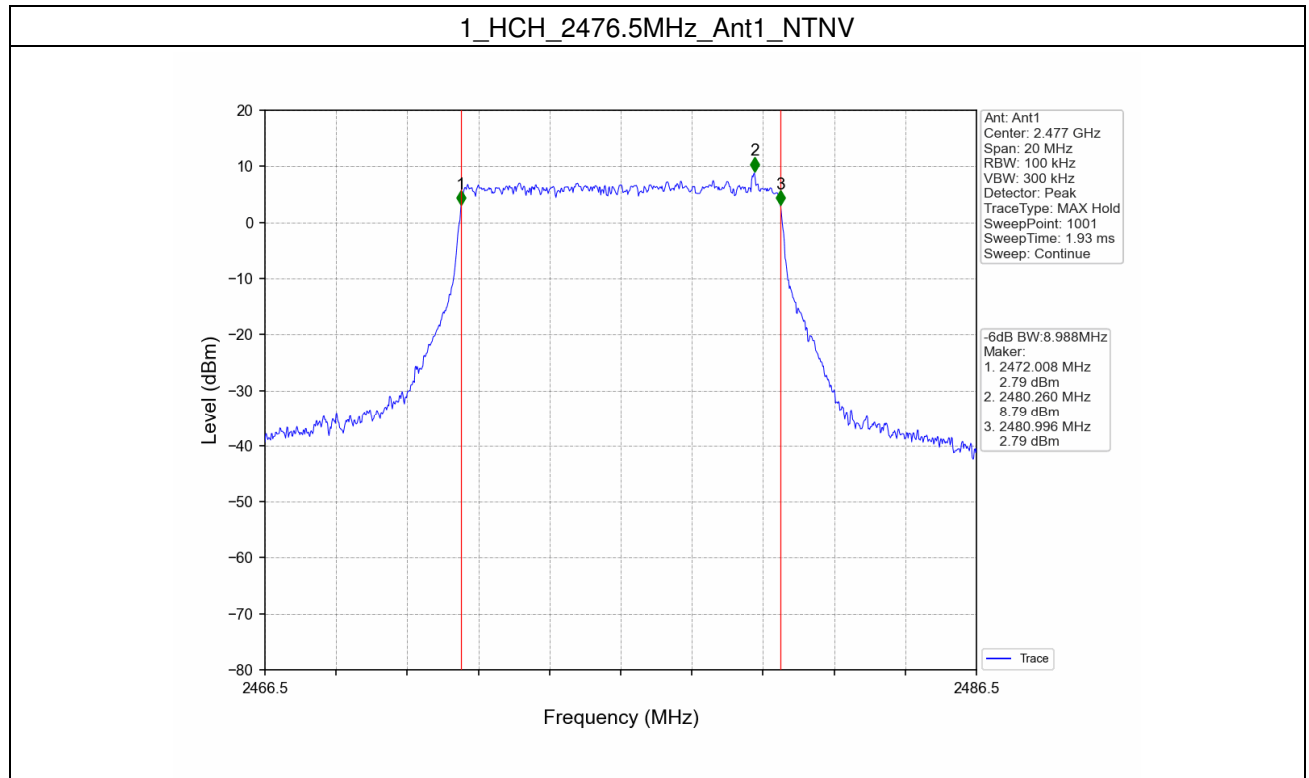
2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
10M	MIMO	2405.5	1	9.03	≥ 0.5	Pass
		2441.5	1	9.01	≥ 0.5	Pass
		2476.5	1	8.99	≥ 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	
10M	SISO	2405.5	15.81	<=30	Pass
		2441.5	15.44	<=30	Pass
		2476.5	15.38	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Antenna 2:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
10M	SISO	2405.5	14.69	<=30	Pass
		2441.5	15.14	<=30	Pass
		2476.5	15.59	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
10M	MIMO	2405.5	16.25	16.20	19.24	<=29.9	Pass
		2441.5	16.62	16.07	19.36	<=29.9	Pass
		2476.5	16.64	16.80	19.73	<=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:

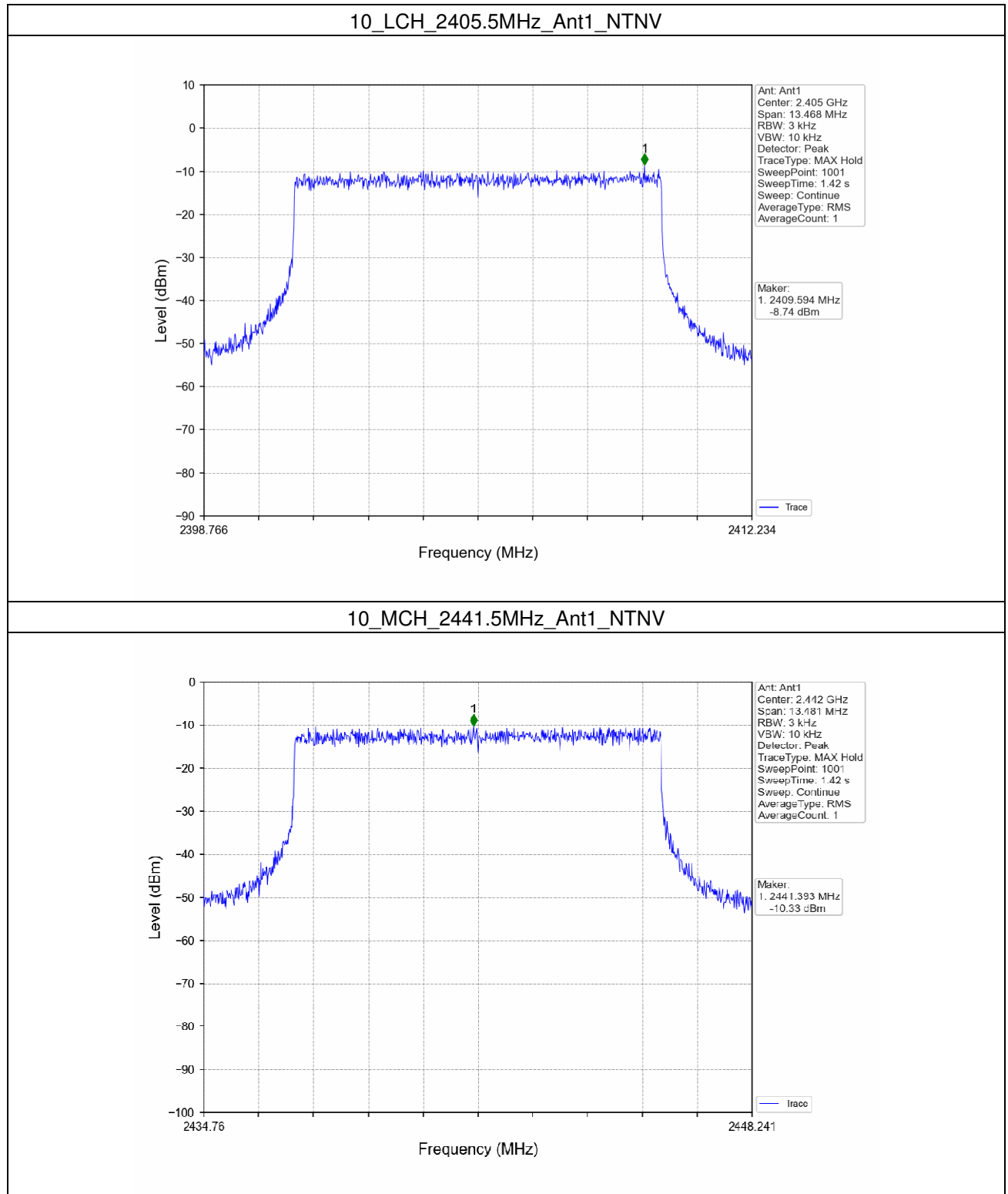
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
10M	SISO	2405.5	-8.74	<=8	Pass
		2441.5	-10.33	<=8	Pass
		2476.5	-9.58	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

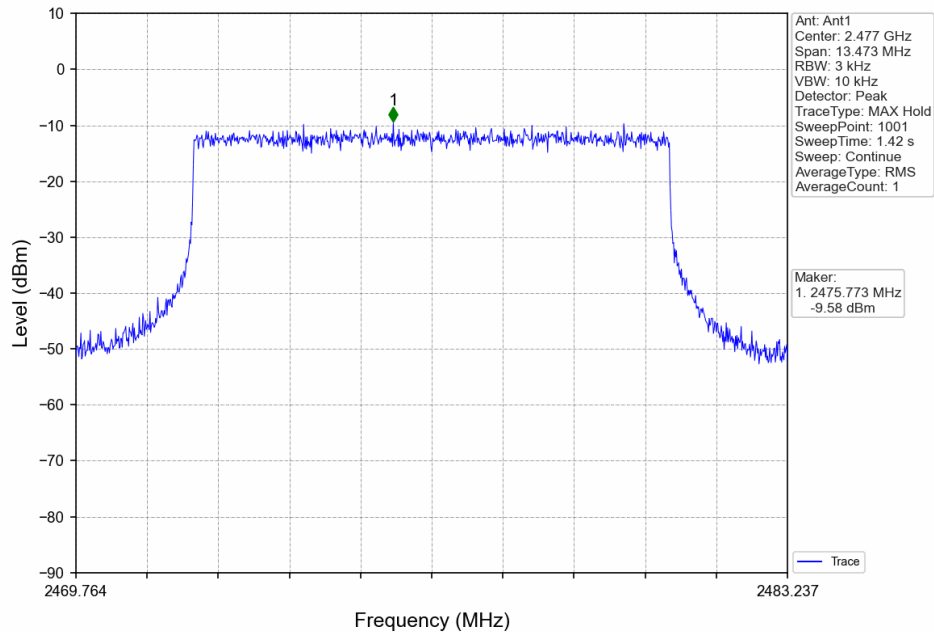
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
10M	SISO	2405.5	-9.97	<=8	Pass
		2441.5	-10.32	<=8	Pass
		2476.5	-9.75	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
			Ant1	Ant2	Sum		
10M	MIMO	2405.5	/	/	-6.82	<=8	Pass
		2441.5	-8.63	-8.14	-6.44	<=8	Pass
		2476.5	-8.26	-8.20	-6.25	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;							

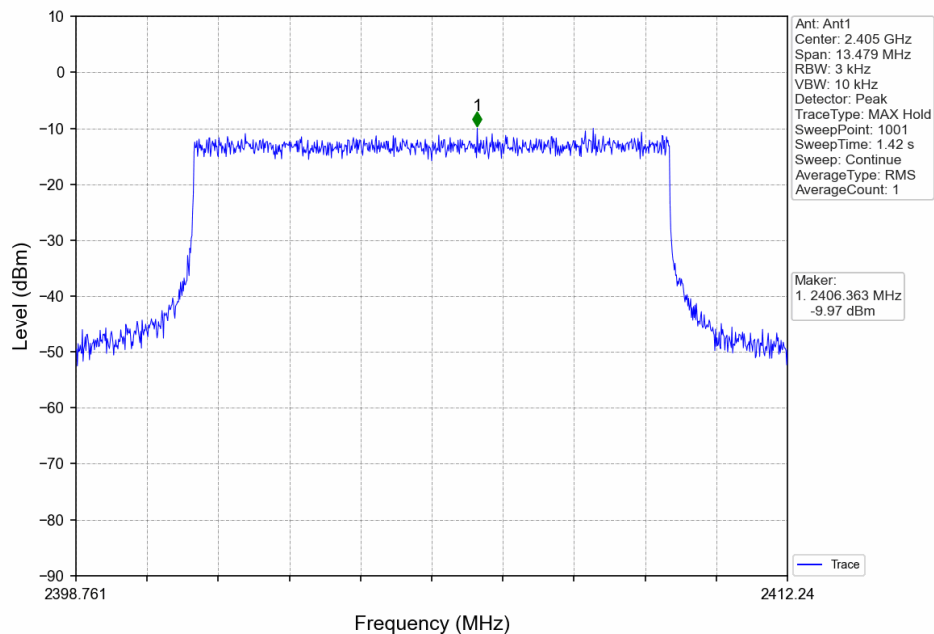
4.1.2 Test Graph



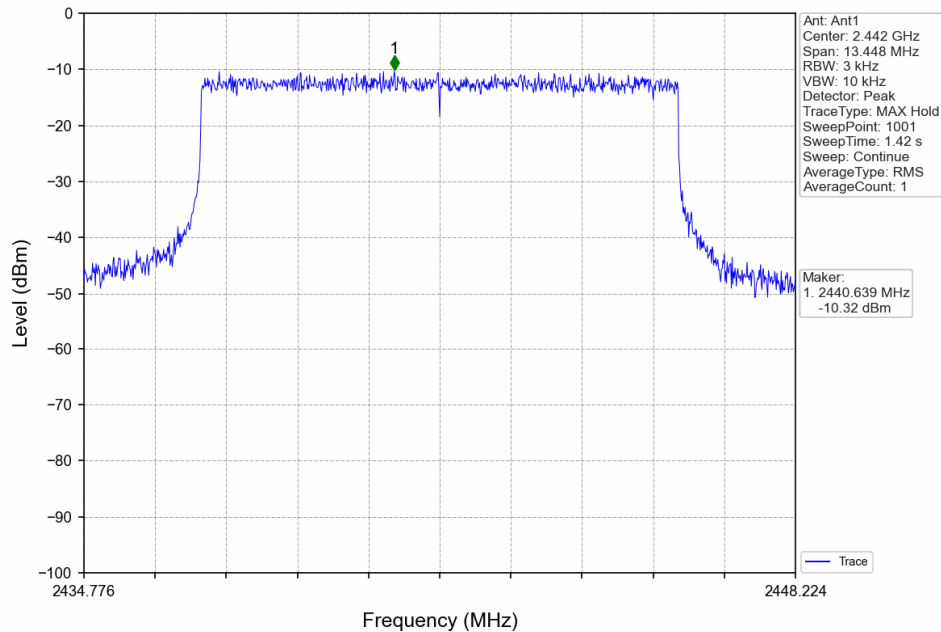
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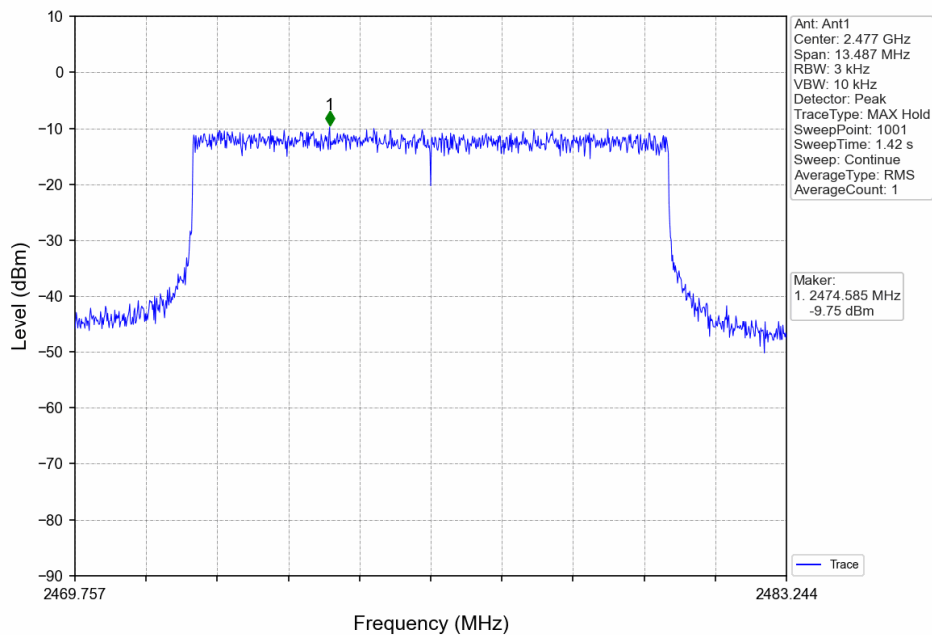
10_LCH_2405.5MHz_Ant2_NTNV



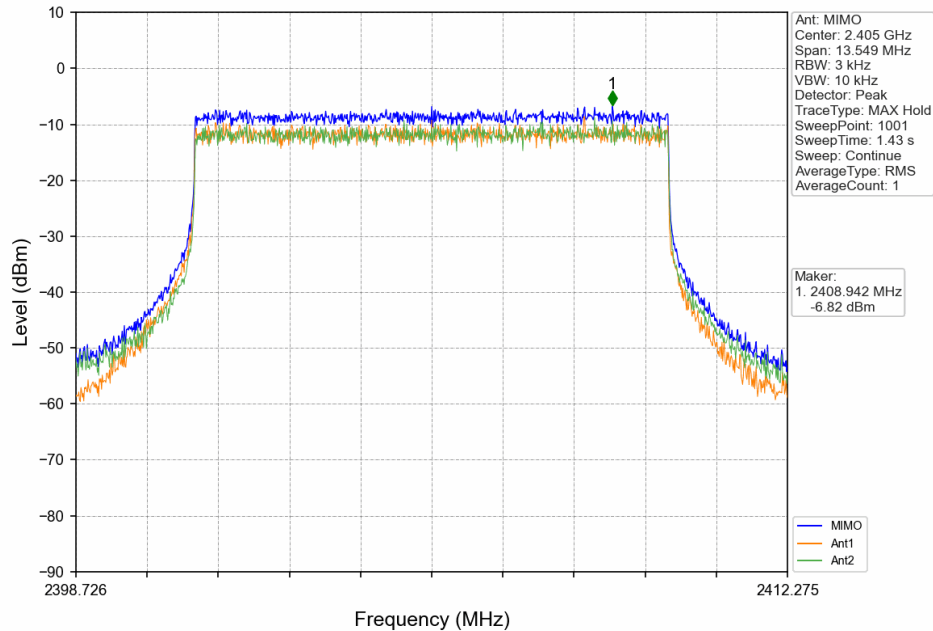
10_MCH_2441.5MHz_Ant2_NTNV



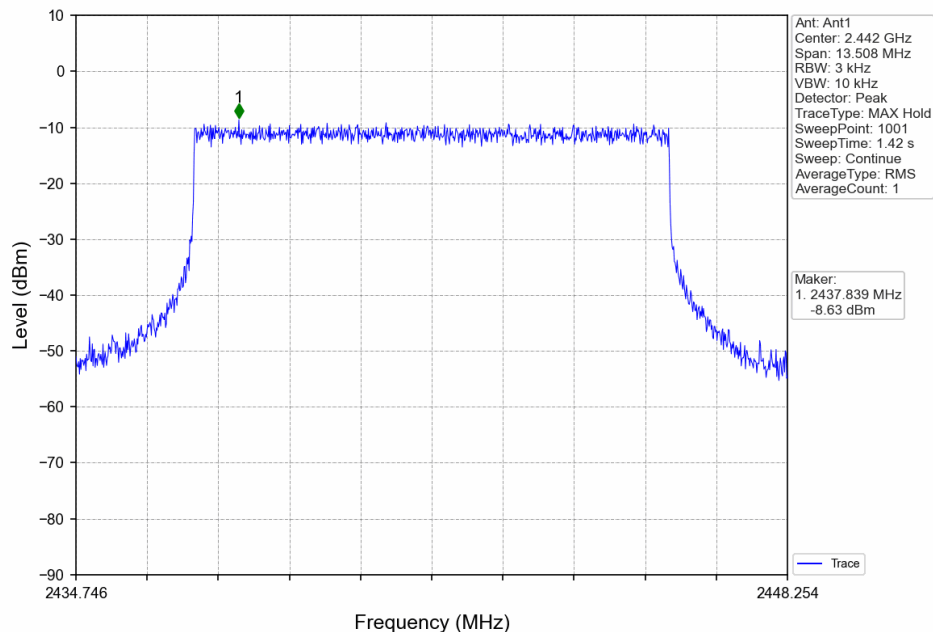
10_HCH_2476.5MHz_Ant2_NTNV



1_LCH_2405.5MHz_MIMO_NTNV

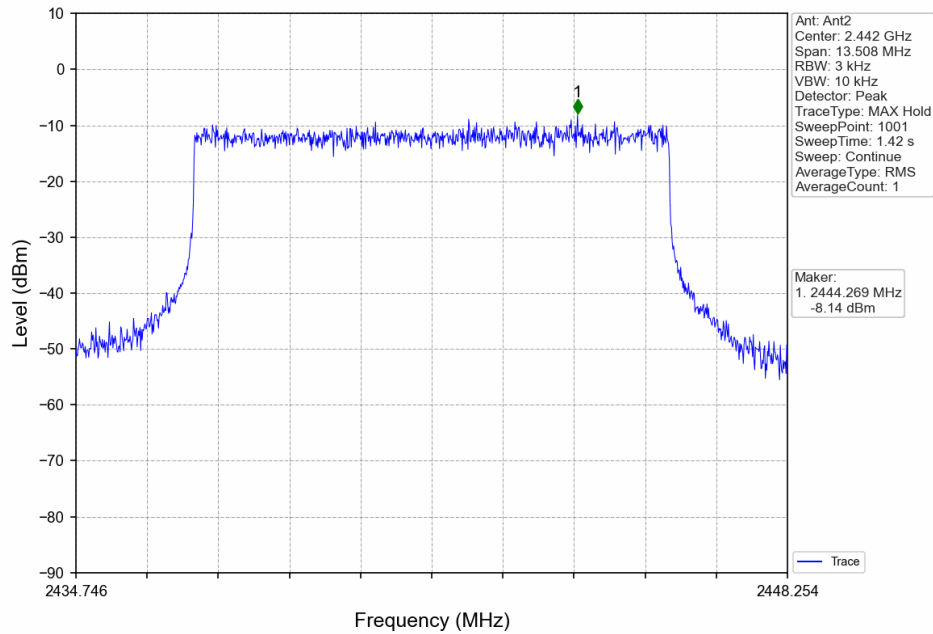


1_MCH_2441.5MHz_Ant1_NTNV

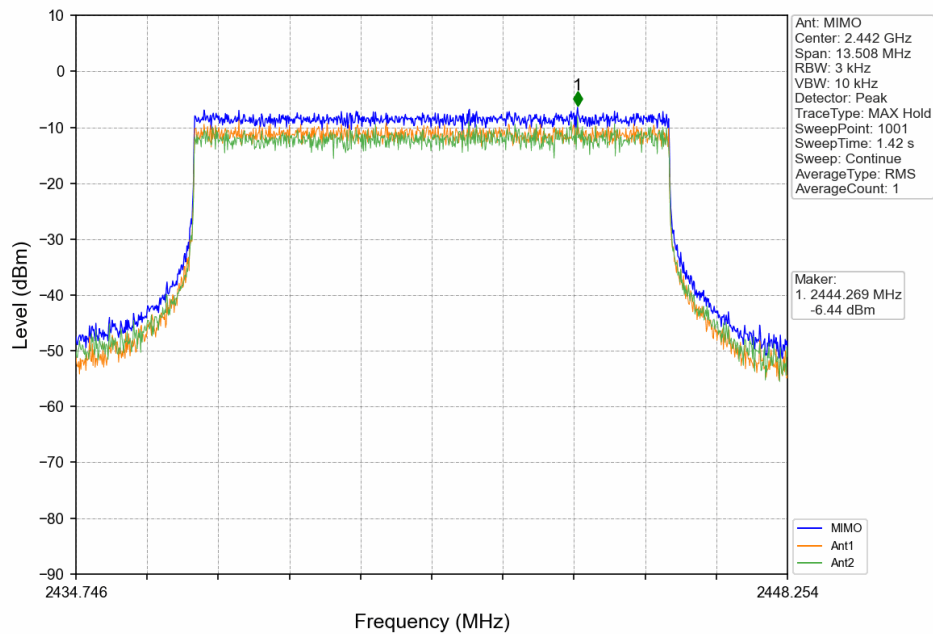


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1_MCH_2441.5MHz_Ant2_NTNV



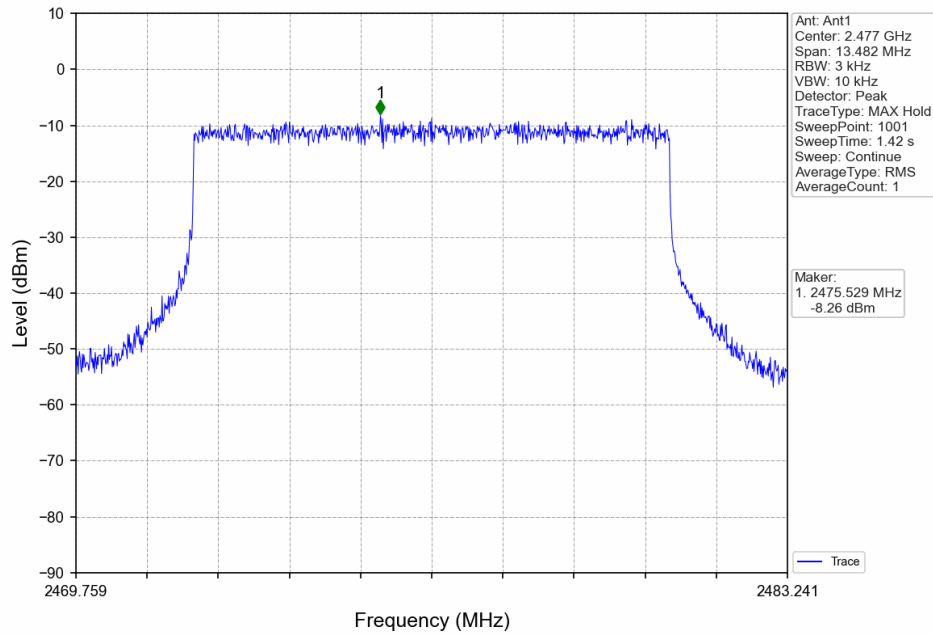
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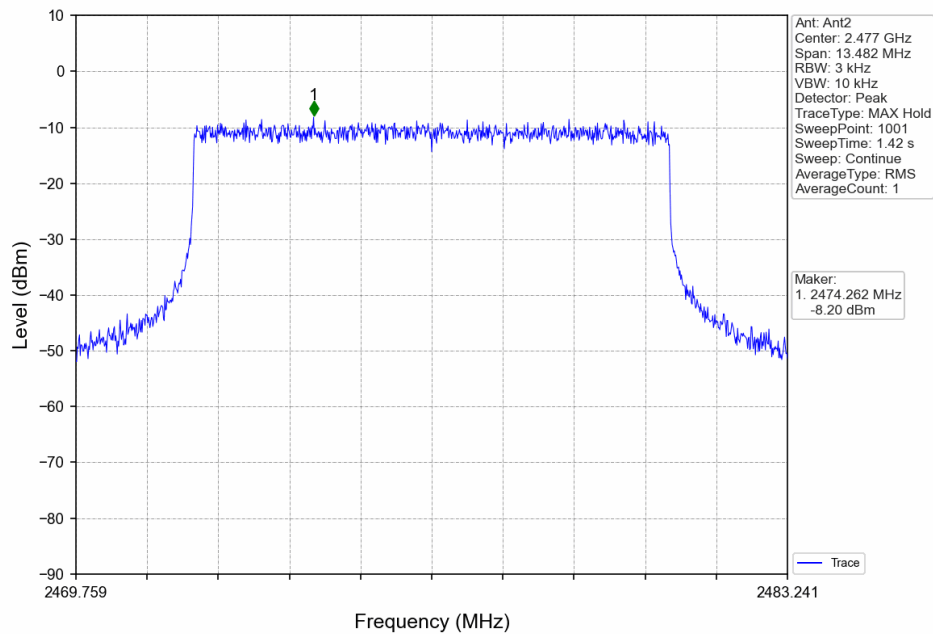
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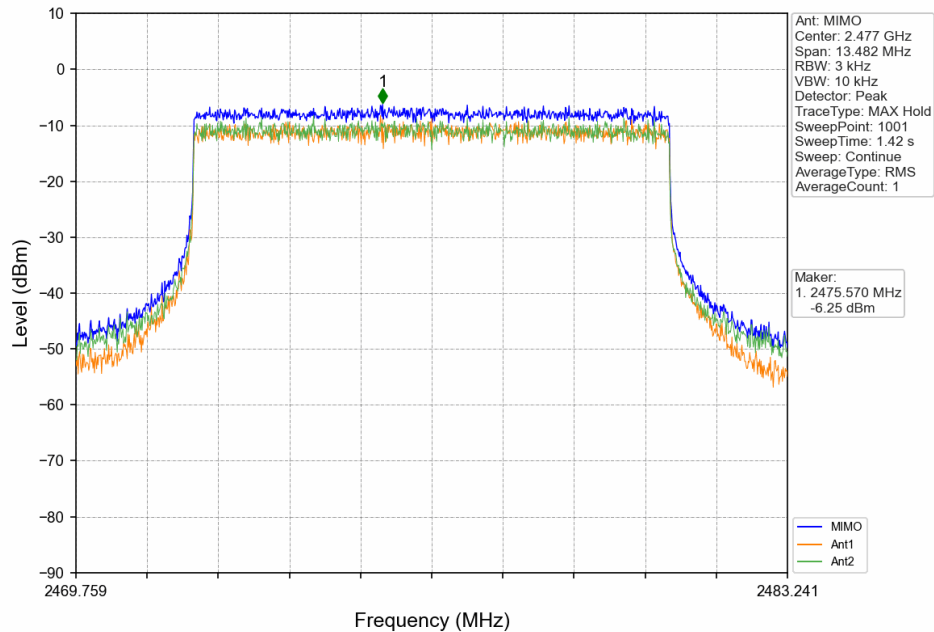
1_HCH_2476.5MHz_Ant1_NTNV



1_HCH_2476.5MHz_Ant2_NTNV



1_HCH_2476.5MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

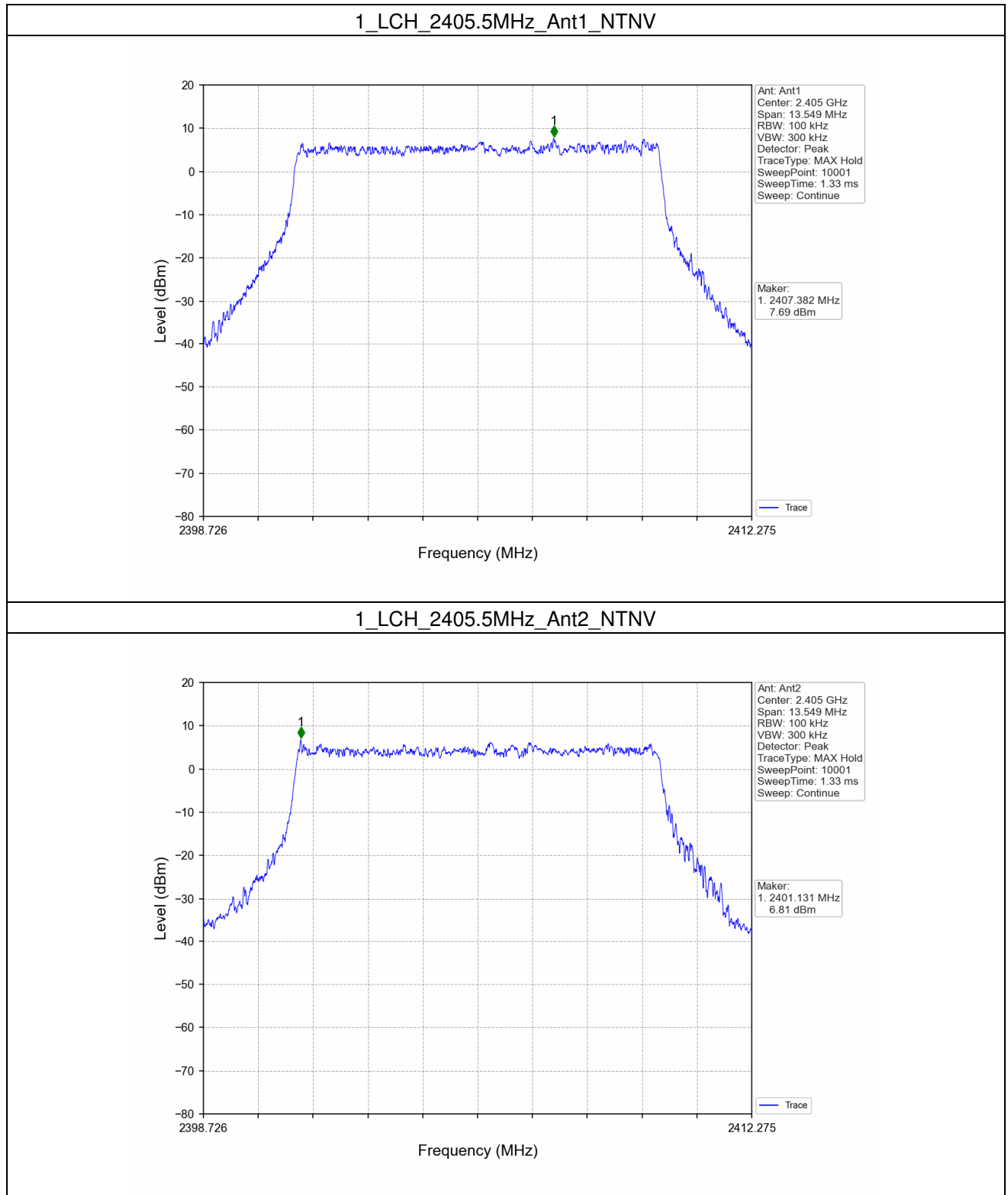
5.1 Ref

5.1.1 Test Result

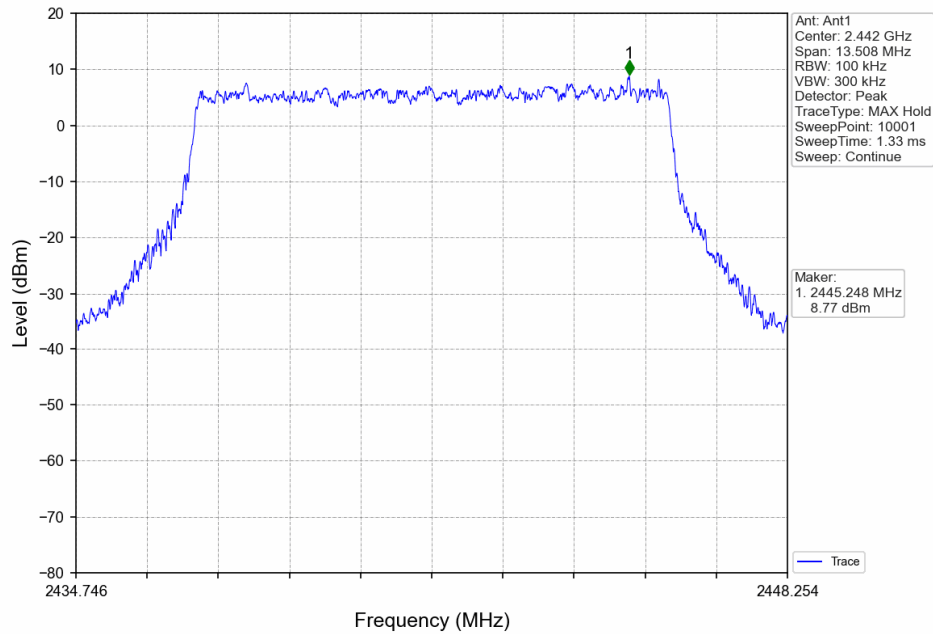
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
10M	MIMO	2405.5	1	7.69	/	/
			2	6.81	/	/
		2441.5	1	8.77	/	/
			2	6.78	/	/
		2476.5	1	7.33	/	/
			2	8.66	/	/

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.

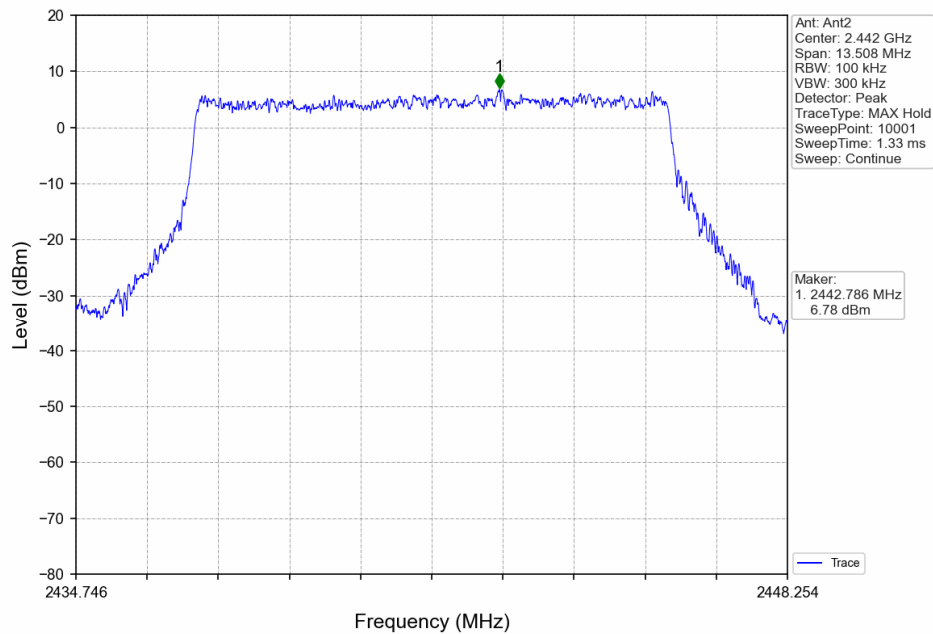
5.1.2 Test Graph



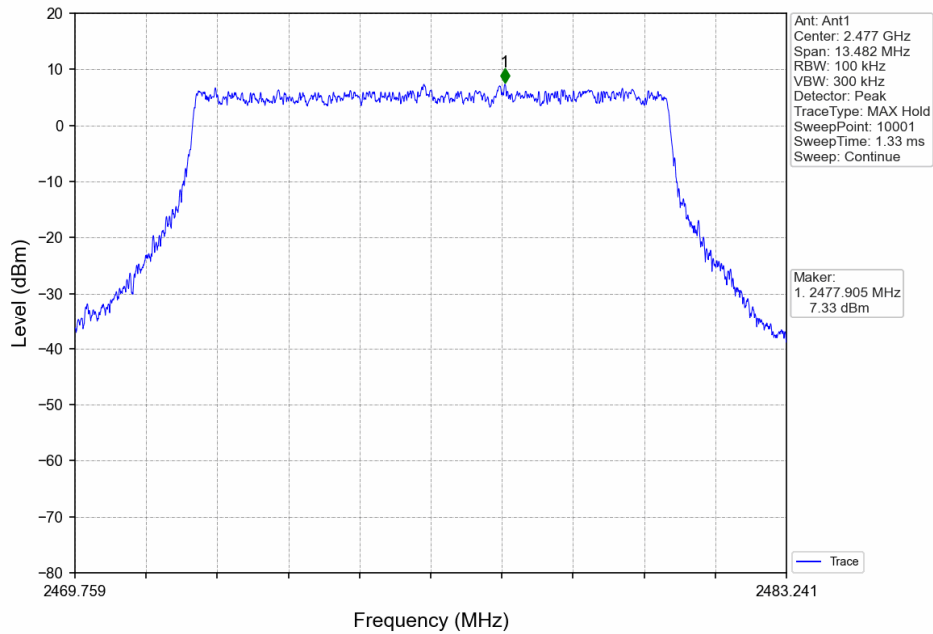
1_MCH_2441.5MHz_Ant1_NTNV



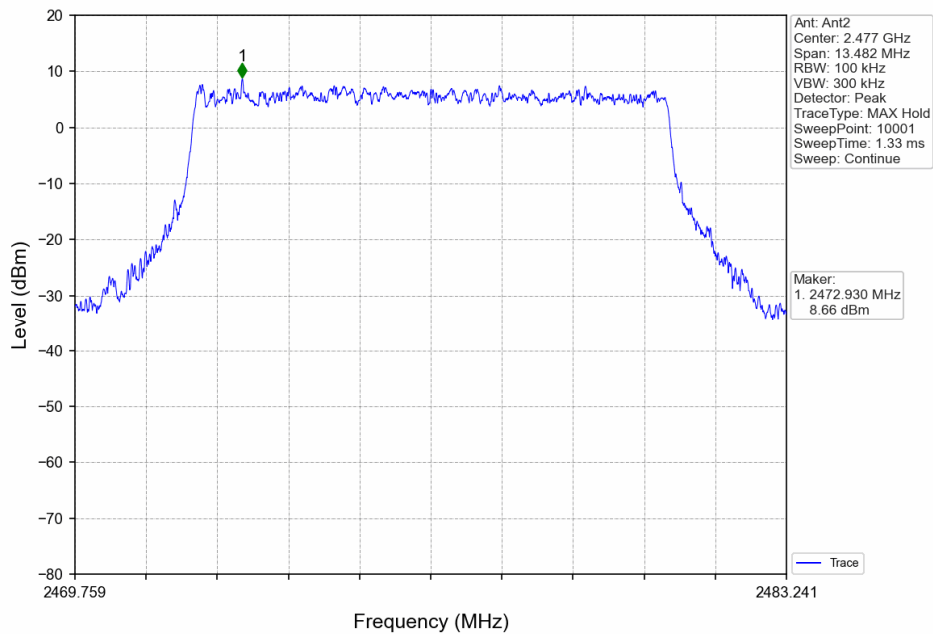
1_MCH_2441.5MHz_Ant2_NTNV



1_HCH_2476.5MHz_Ant1_NTNV



1_HCH_2476.5MHz_Ant2_NTNV



5.2 CSE

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
10M	MIMO	2405.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2441.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2476.5	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.