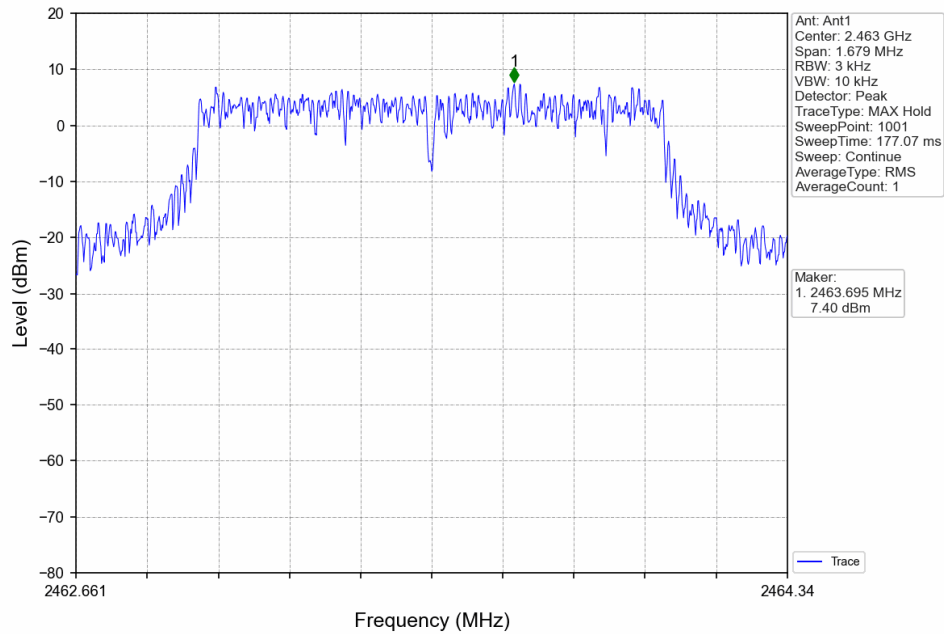
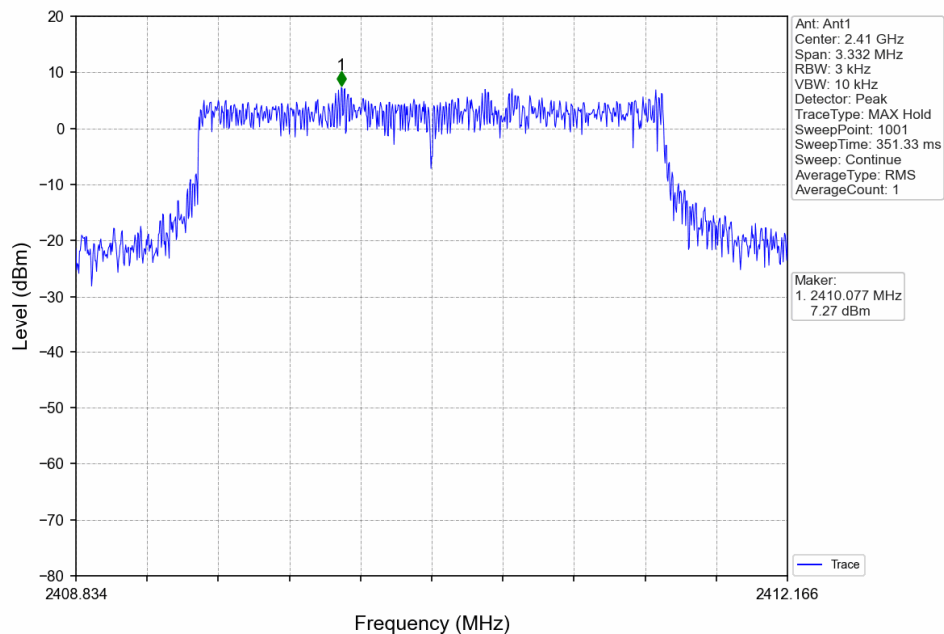


1.4_HCH_2463.5MHz_Ant1_NTNV



3_LCH_2410.5MHz_Ant2_NTNV

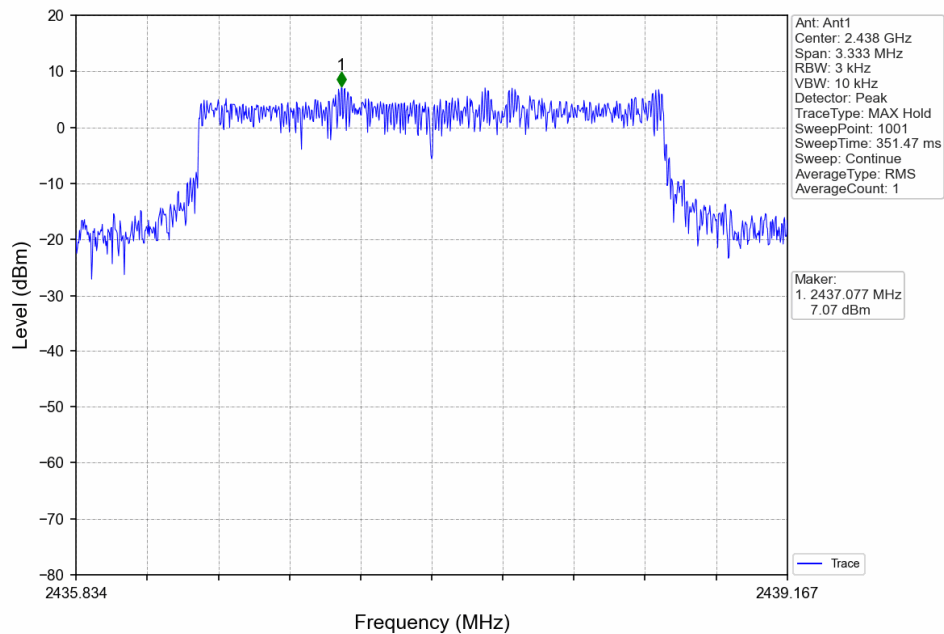


3_MCH_2437.5MHz_Ant2_NTNV

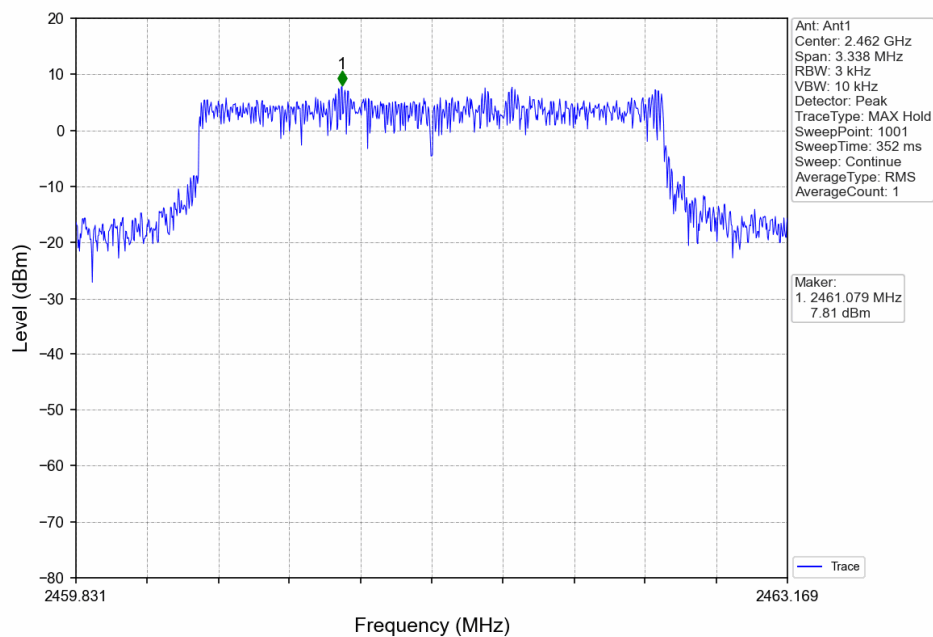


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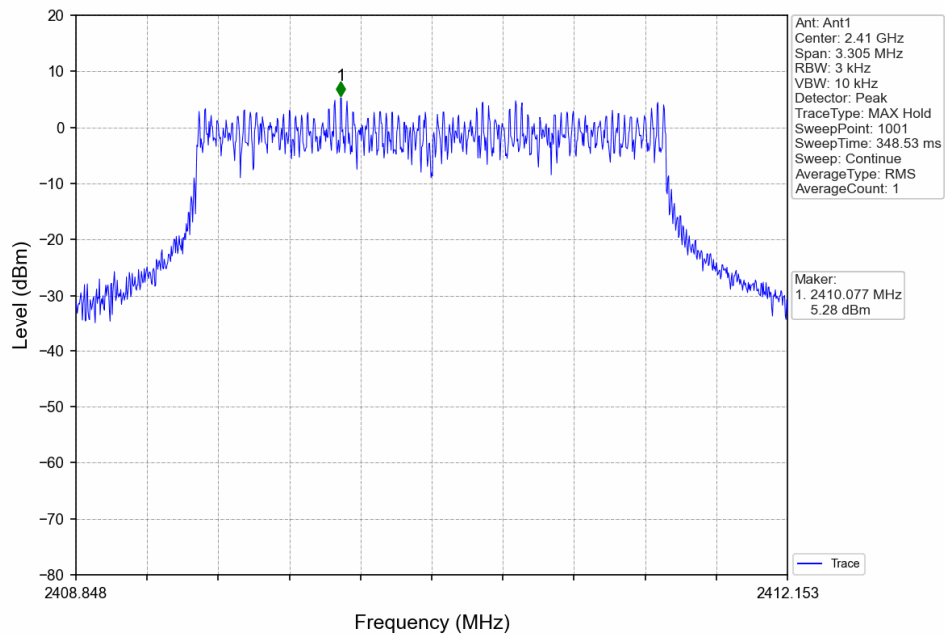
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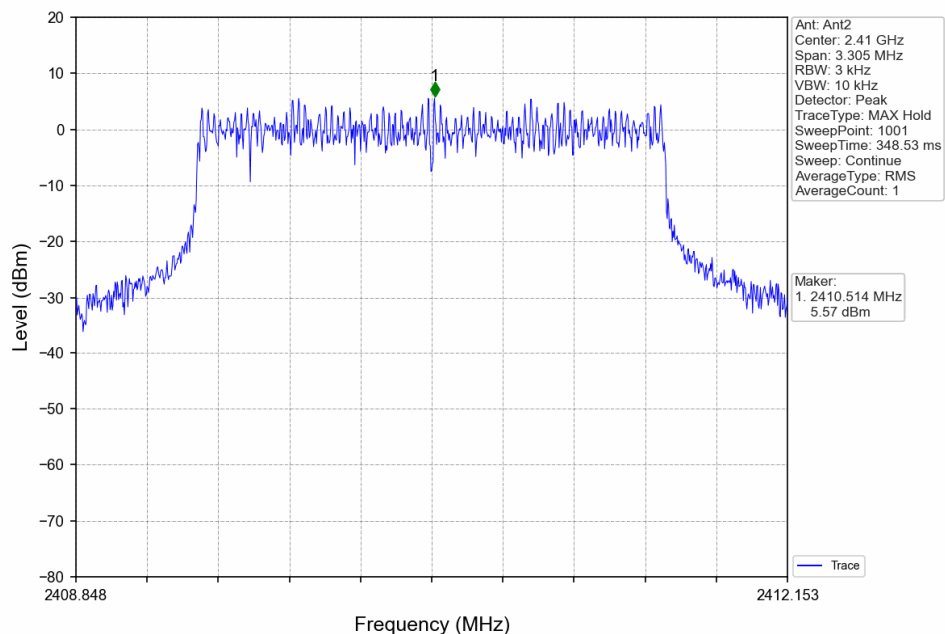
3_HCH_2461.5MHz_Ant2_NTNV



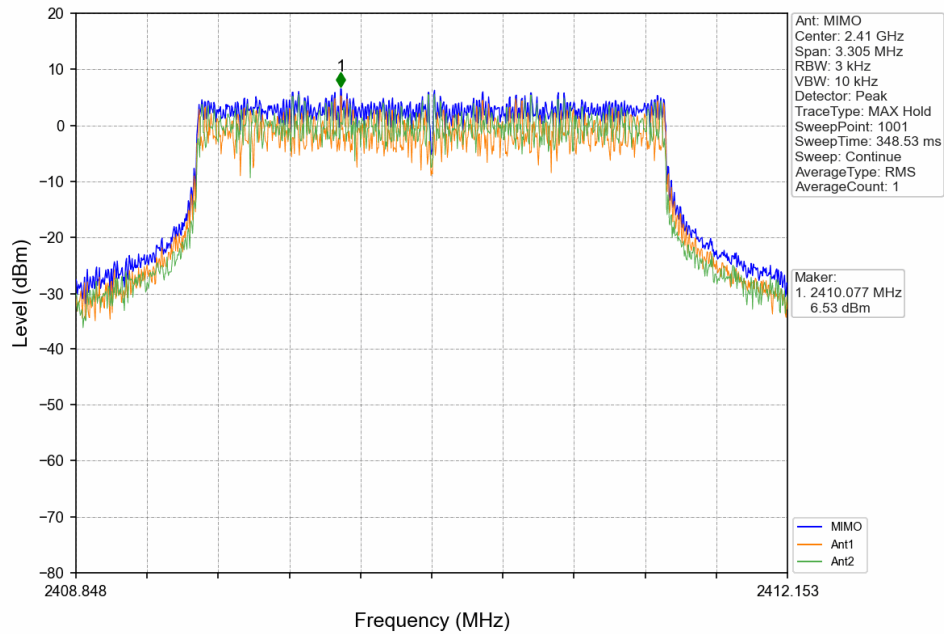
1_LCH_2410.5MHz_Ant1_NTNV



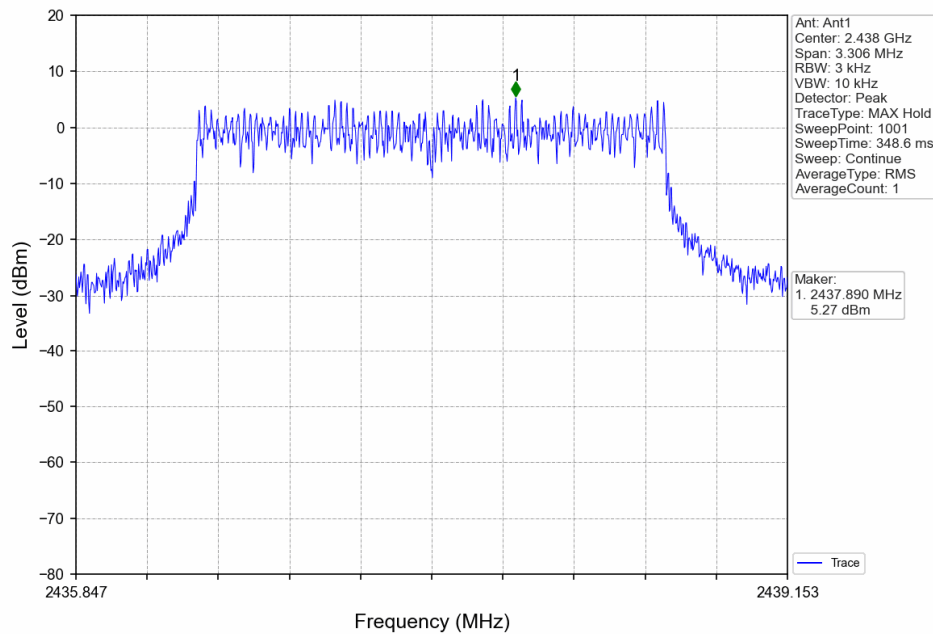
1_LCH_2410.5MHz_Ant2_NTNV



1_LCH_2410.5MHz_MIMO_NTNV



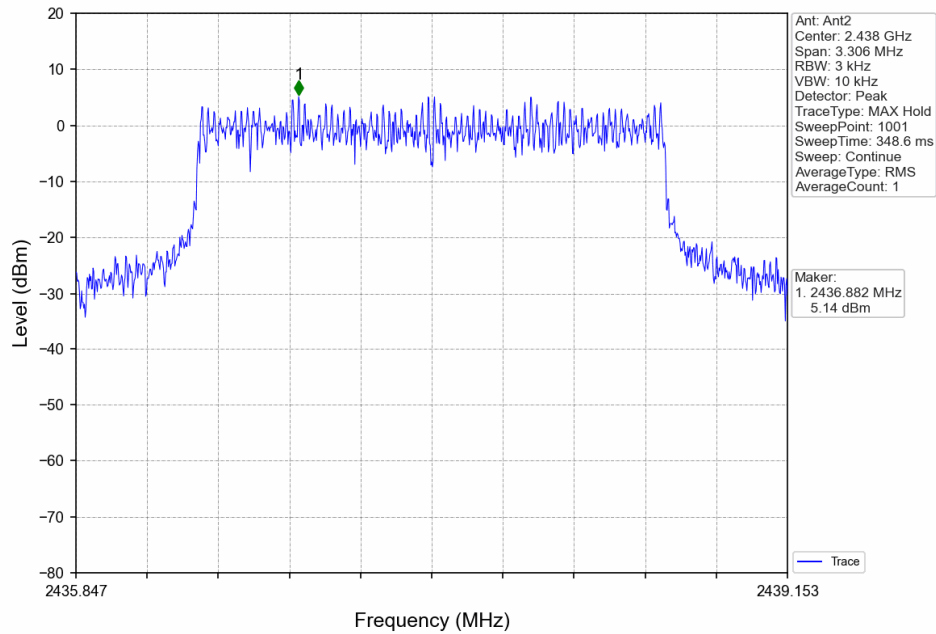
1_MCH_2437.5MHz_Ant1_NTNV



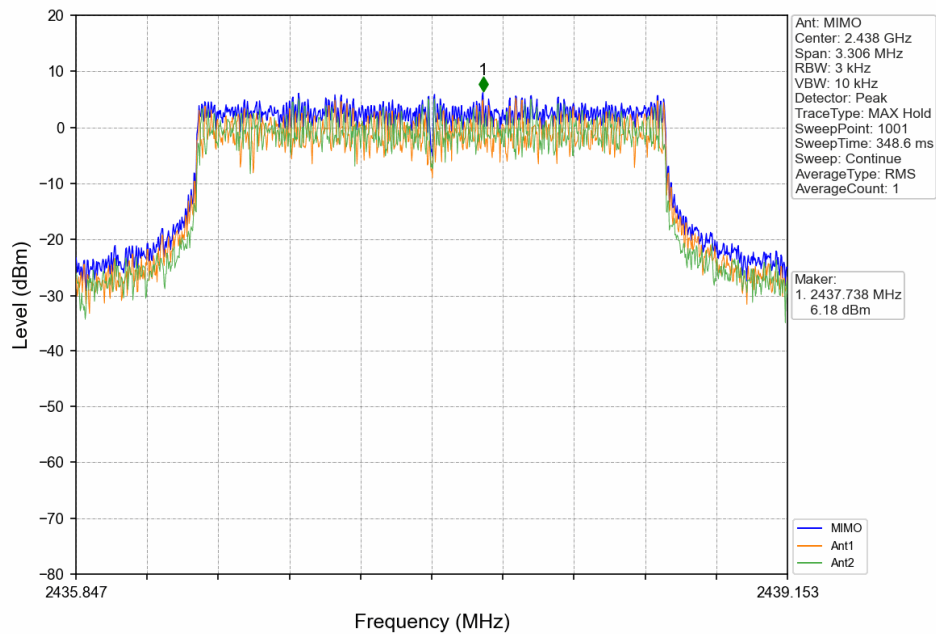
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1_MCH_2437.5MHz_Ant2_NTNV

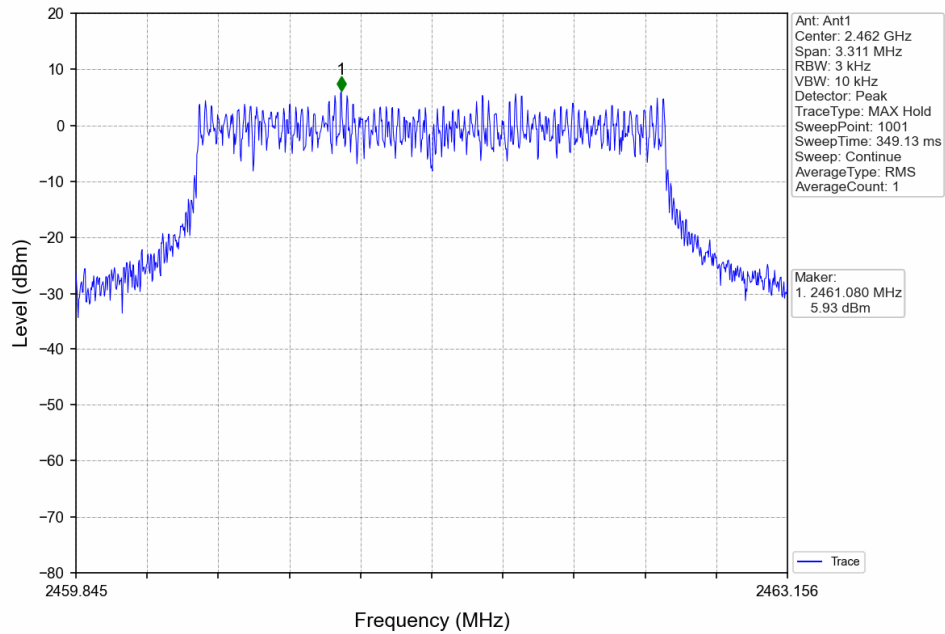


1_MCH_2437.5MHz_MIMO_NTNV

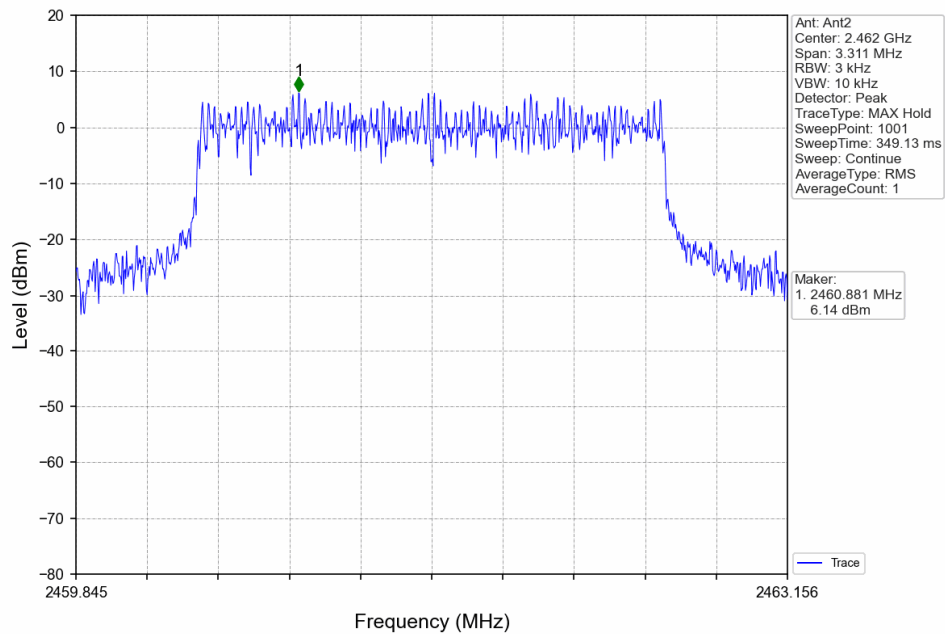


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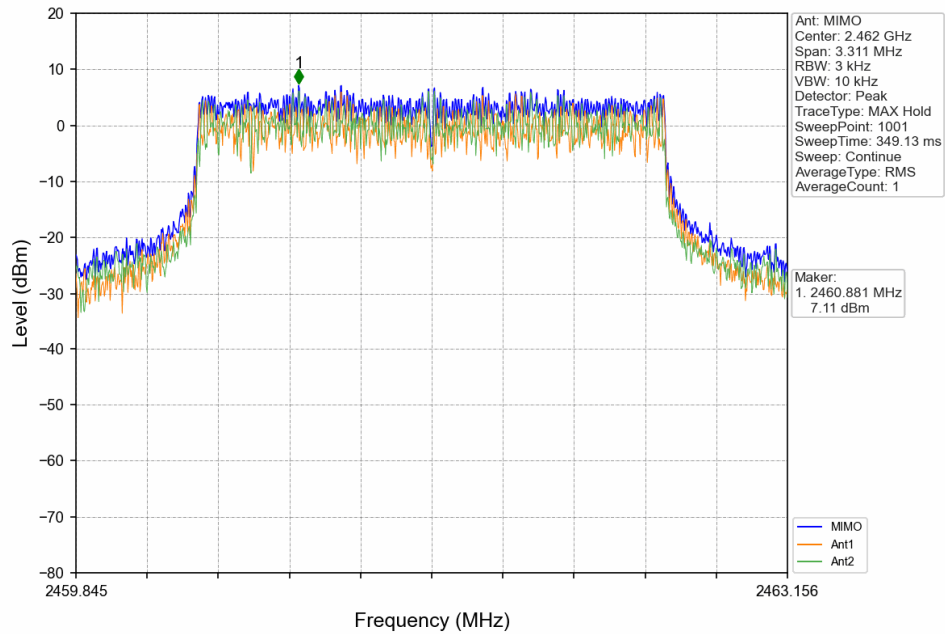
1_HCH_2461.5MHz_Ant1_NTNV



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

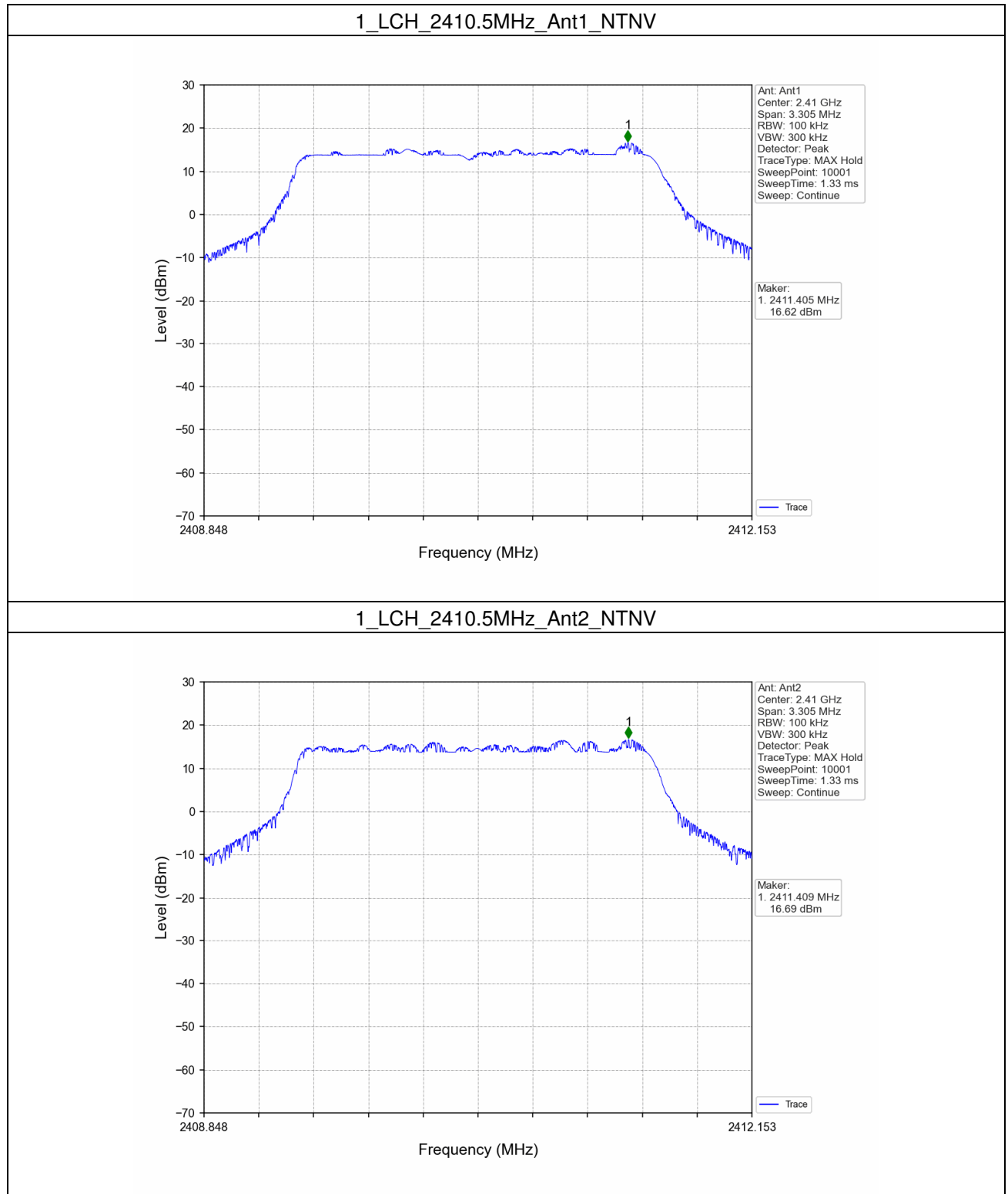
5.1.1 Test Result

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	/	/

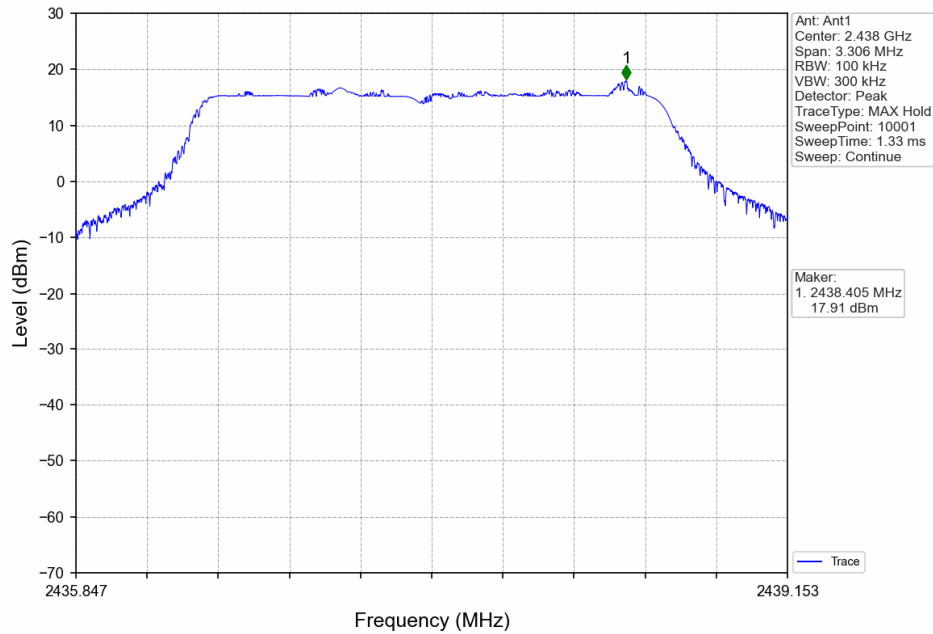
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



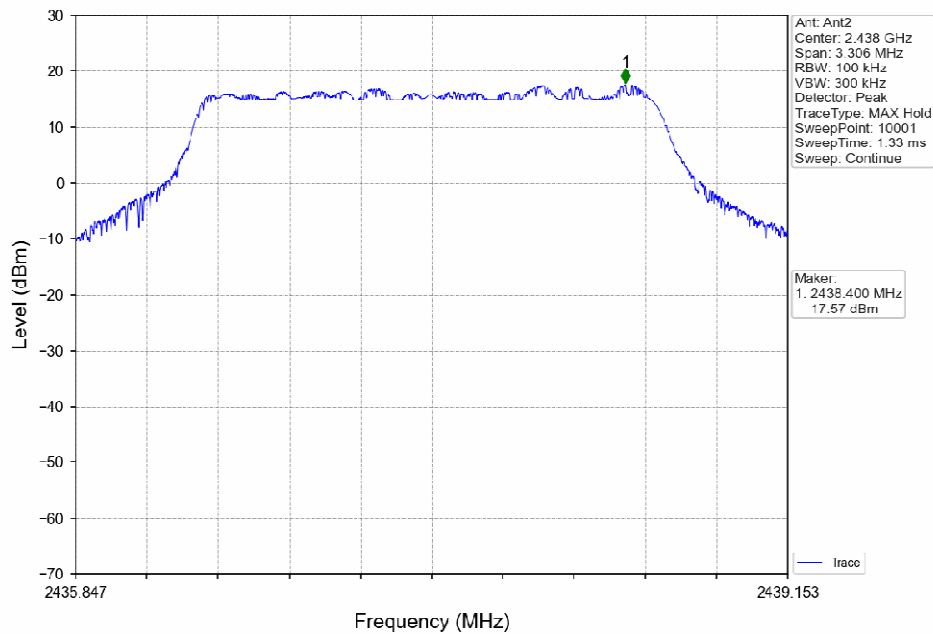
5.1.2 Test Graph



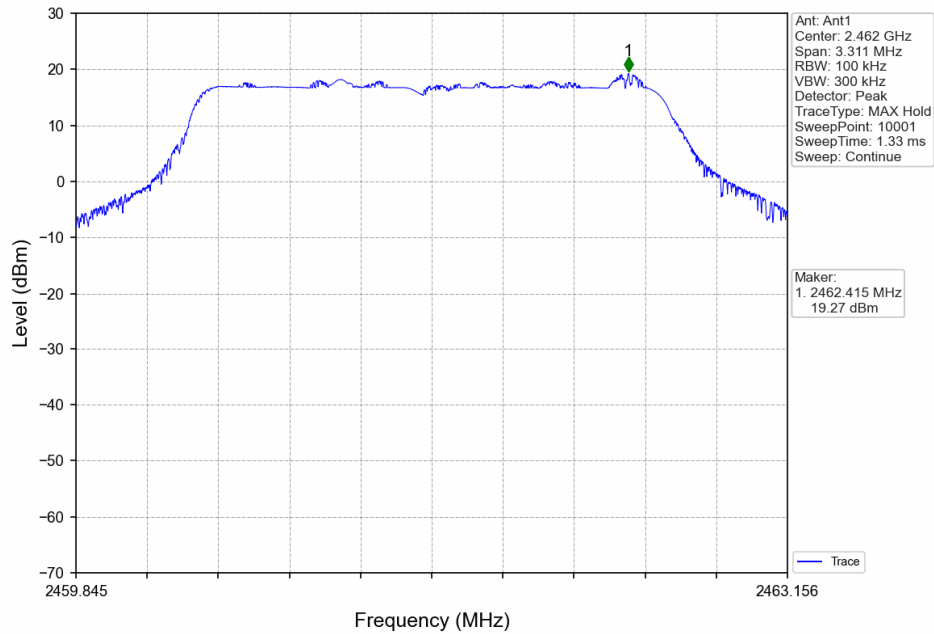
1_MCH_2437.5MHz_Ant1_NTNV



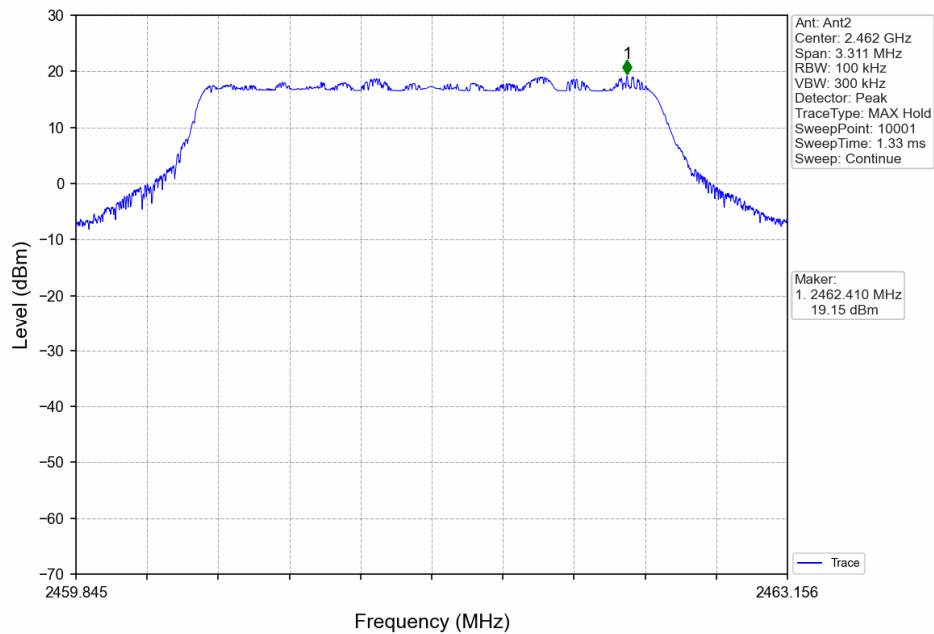
1_MCH_2437.5MHz_Ant2_NTNV



1_HCH_2461.5MHz_Ant1_NTNV



1_HCH_2461.5MHz_Ant2_NTNV



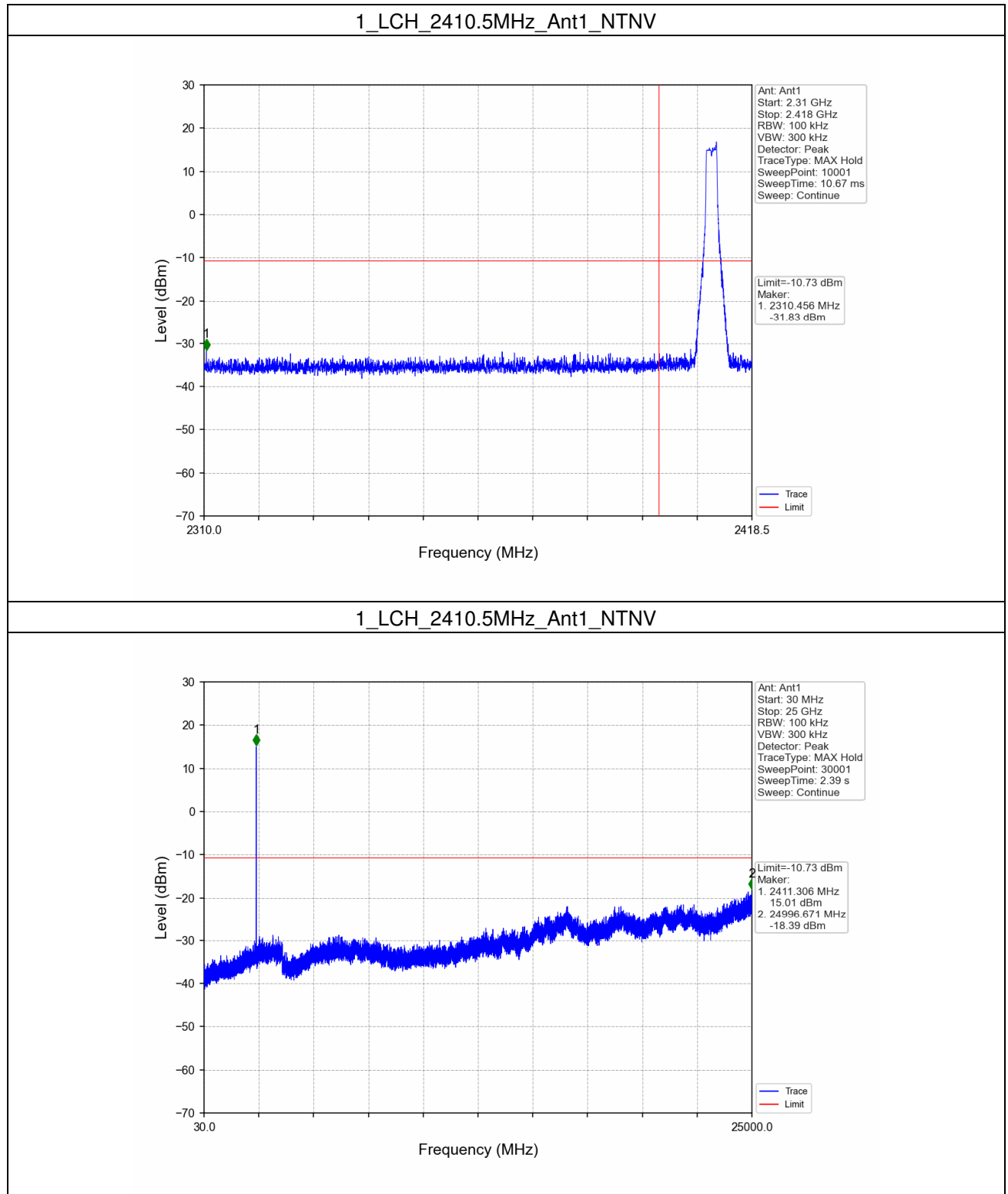
5.2 CSE

5.2.1 Test Result

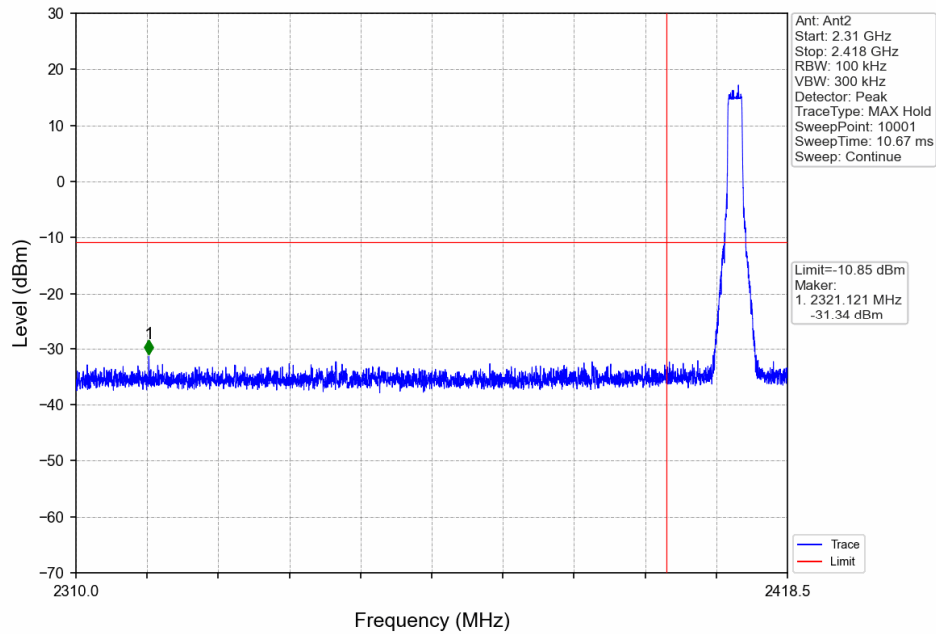
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
3M	MIMO	2410.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2437.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2461.5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

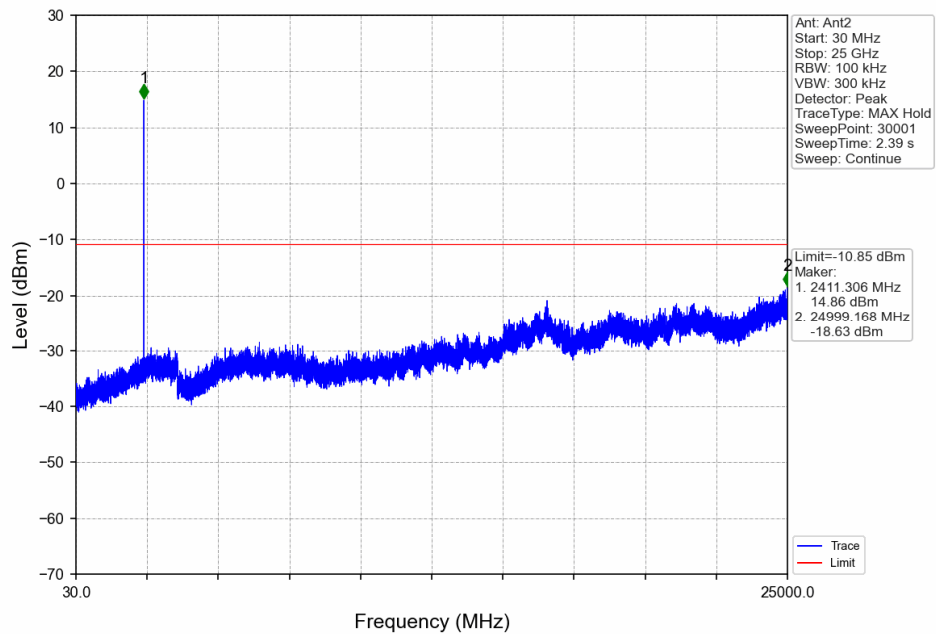
5.2.2 Test Graph



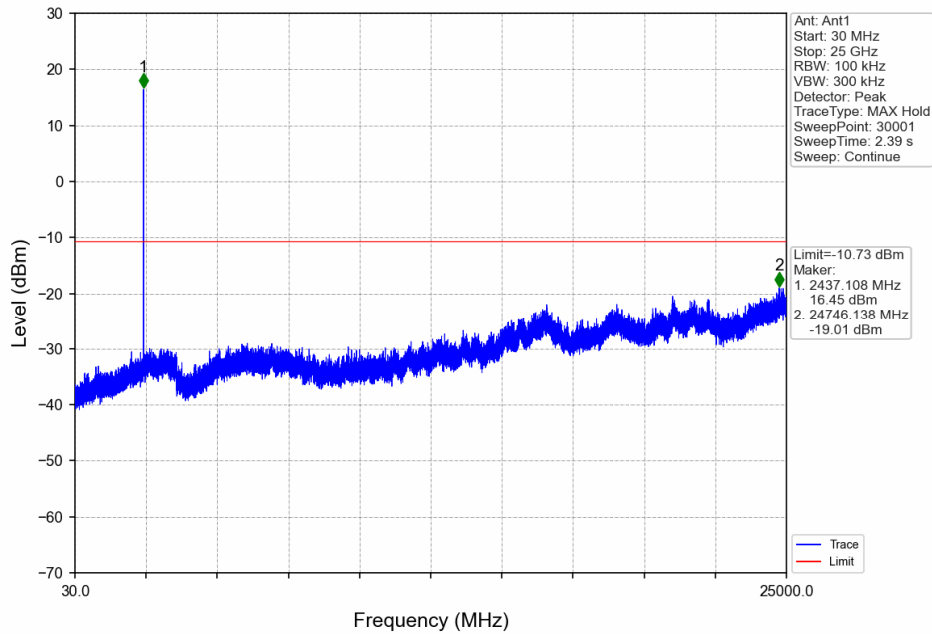
1_LCH_2410.5MHz_Ant2_NTNV



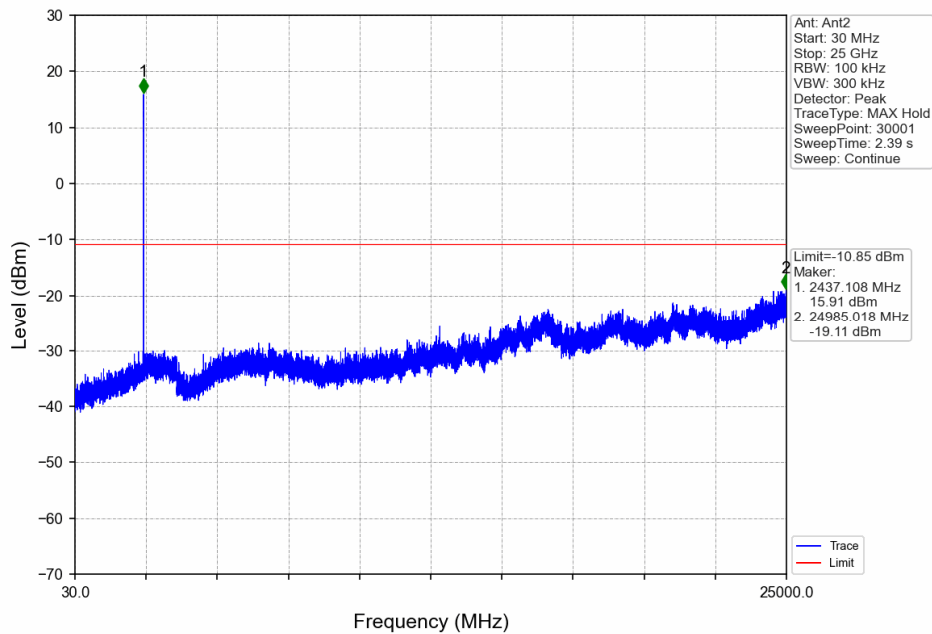
1_LCH_2410.5MHz_Ant2_NTNV



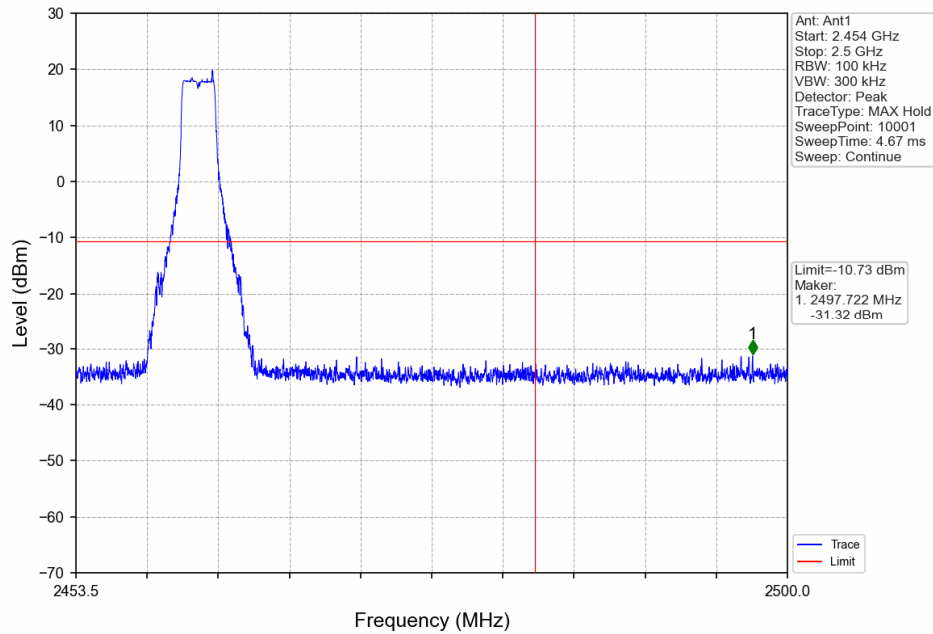
1_MCH_2437.5MHz_Ant1_NTNV



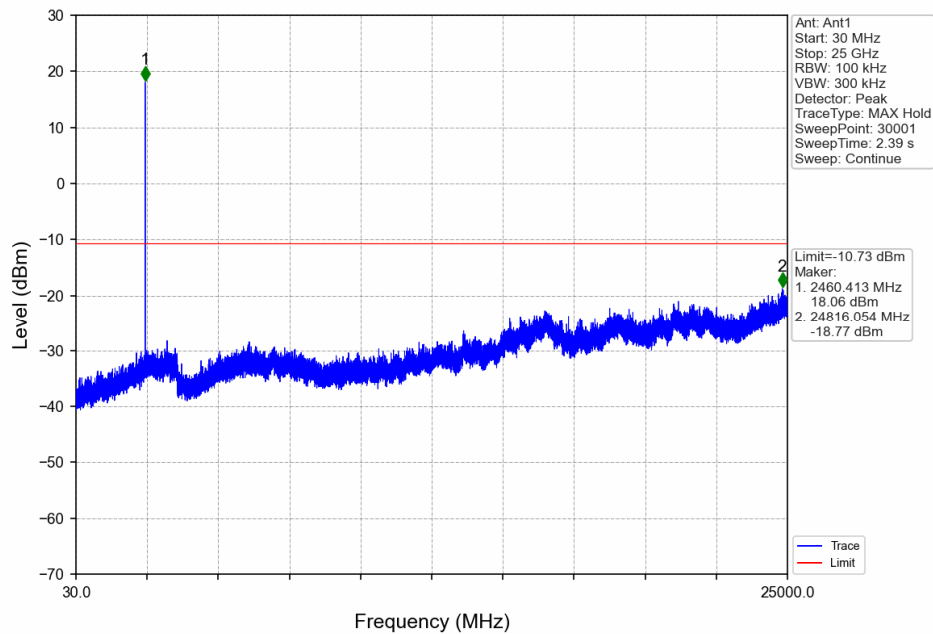
1_MCH_2437.5MHz_Ant2_NTNV



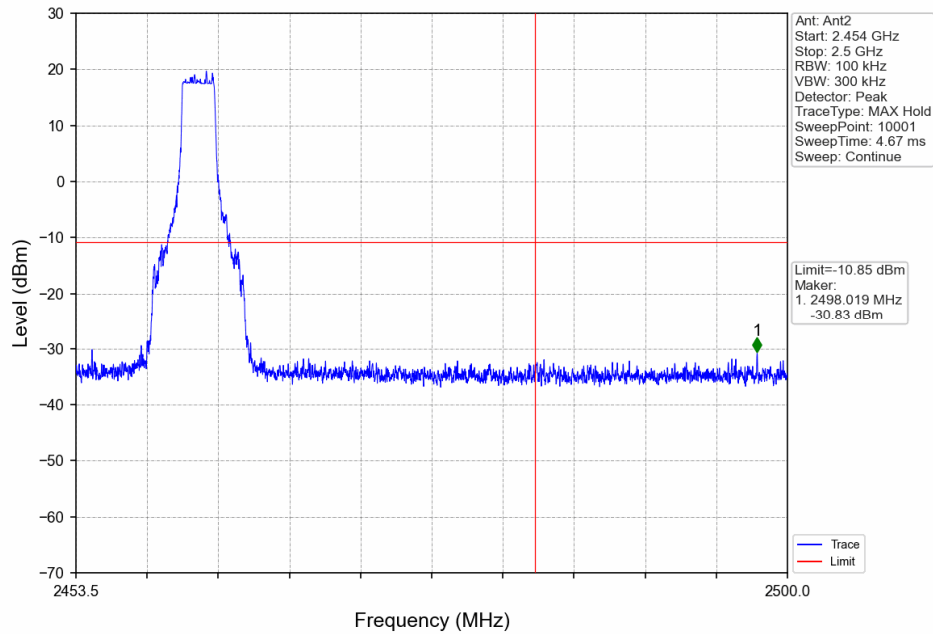
1_HCH_2461.5MHz_Ant1_NTNV



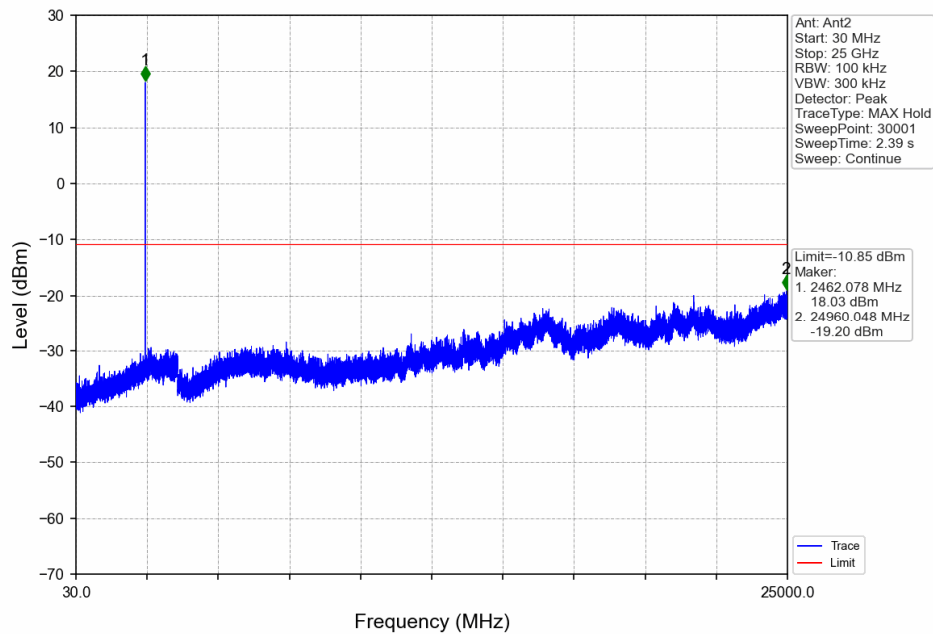
1_HCH_2461.5MHz_Ant1_NTNV



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**

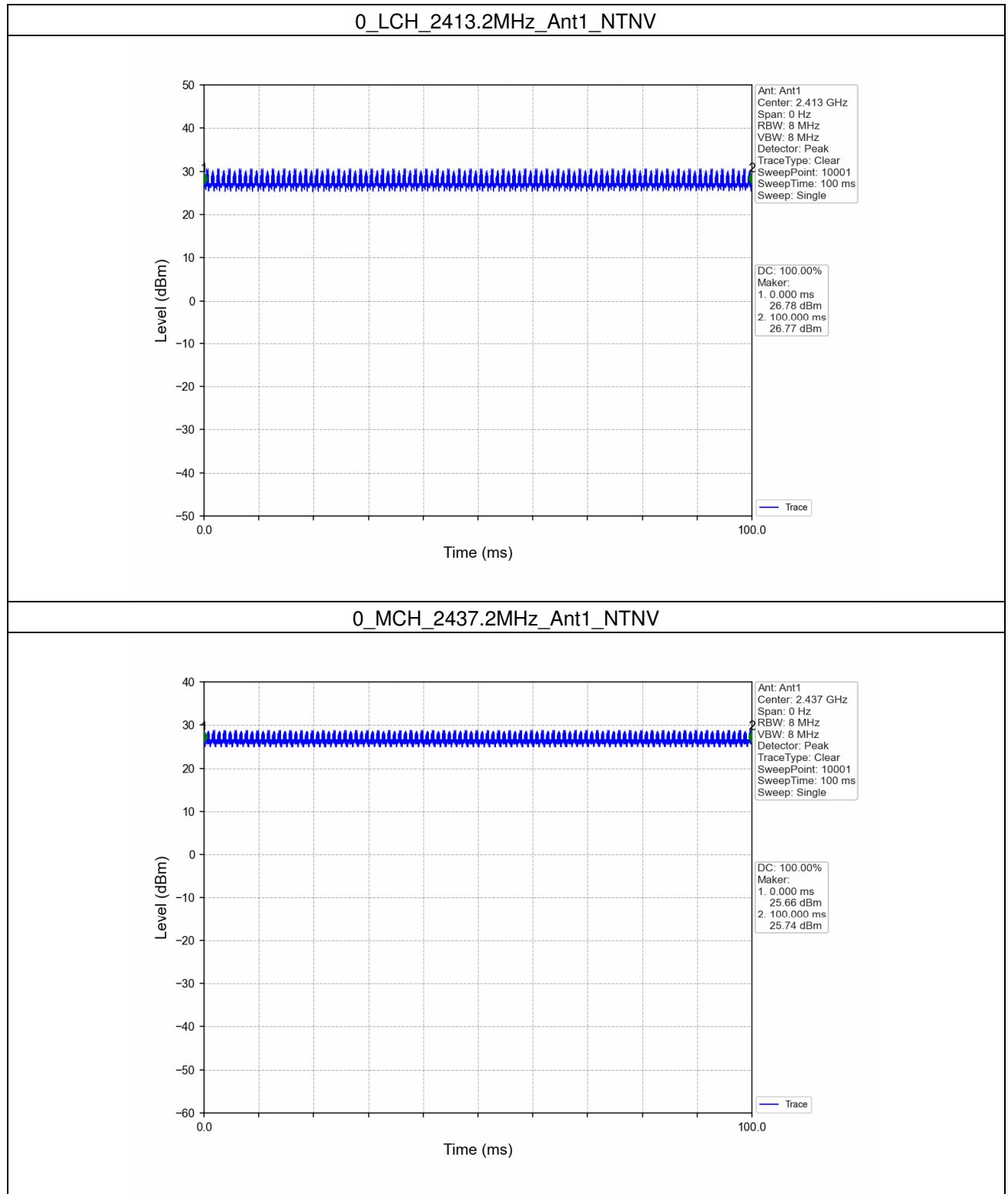
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
3M CA	MIMO	2413.2	100.00	100.00	100.00	0.00	0.00
		2437.2	100.00	100.00	100.00	0.00	0.00
		2464.2	100.00	100.00	100.00	0.00	0.00



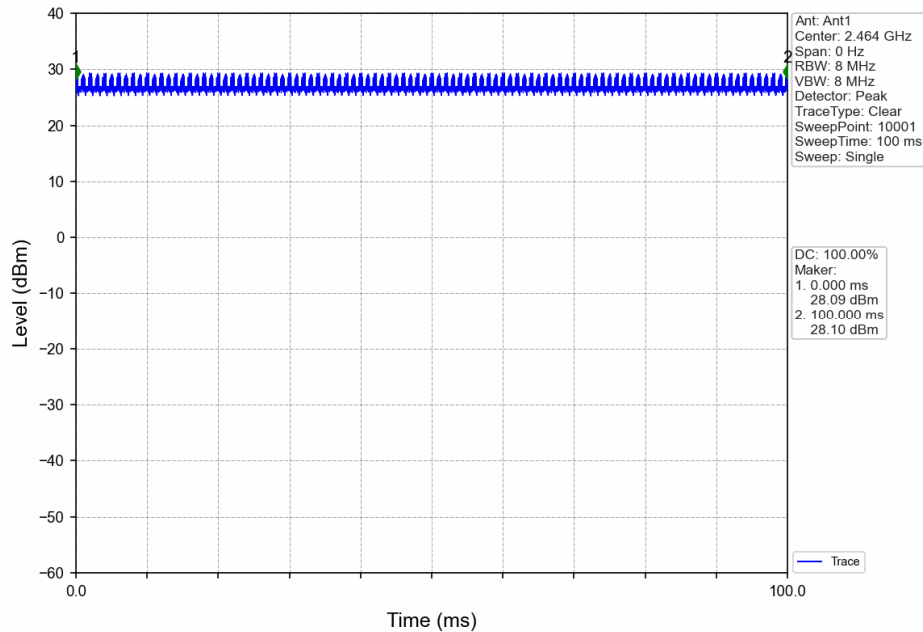
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1.1.2 Test Graph



0_HCH_2464.2MHz_Ant1_NTNV



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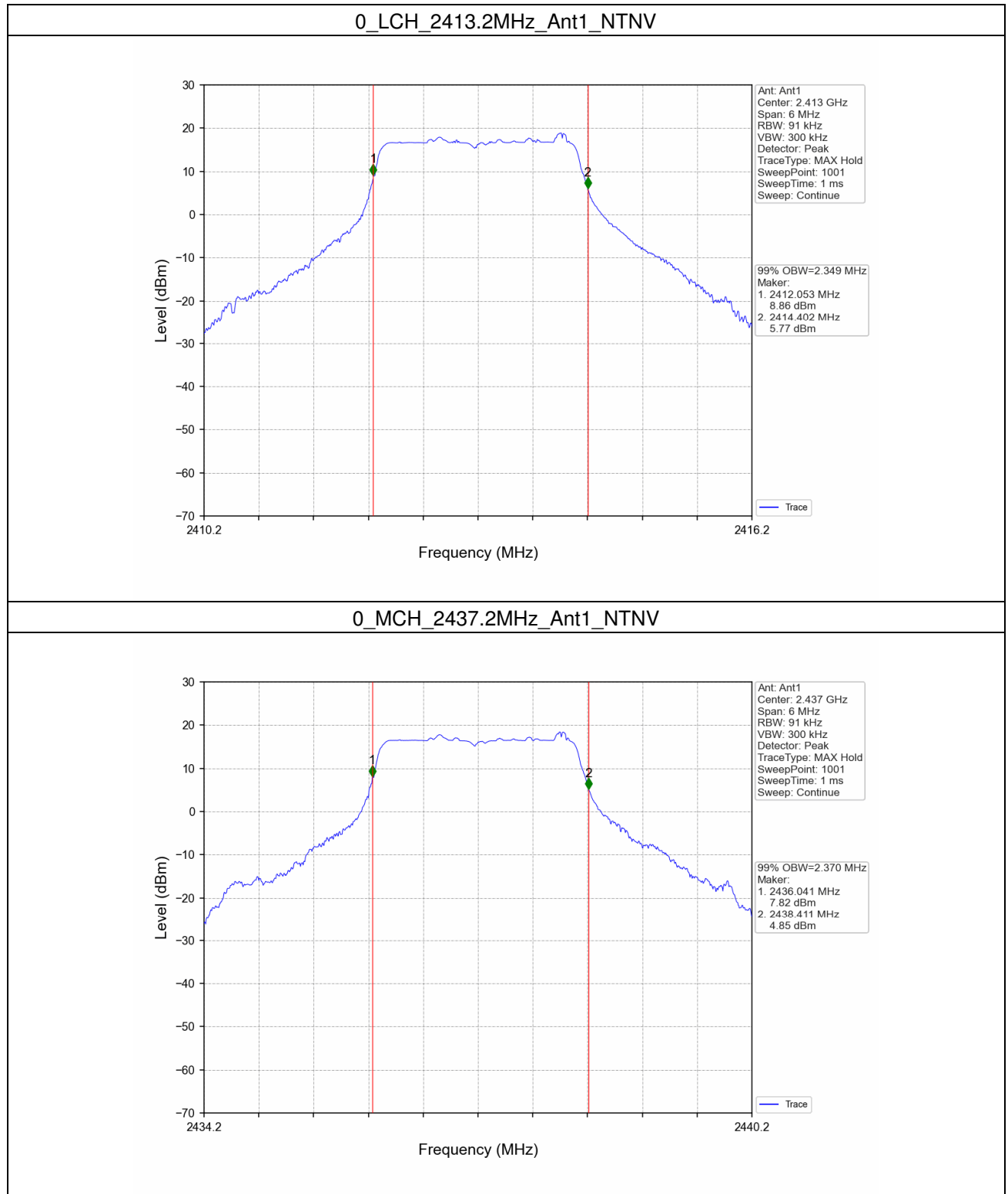
2. Bandwidth

2.1 OBW

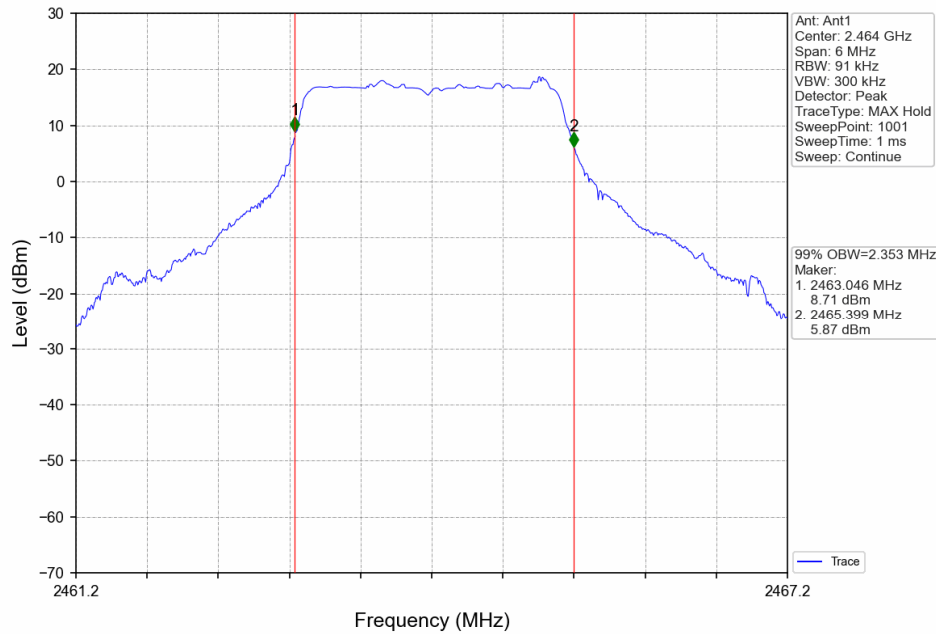
2.1.1 Test Result

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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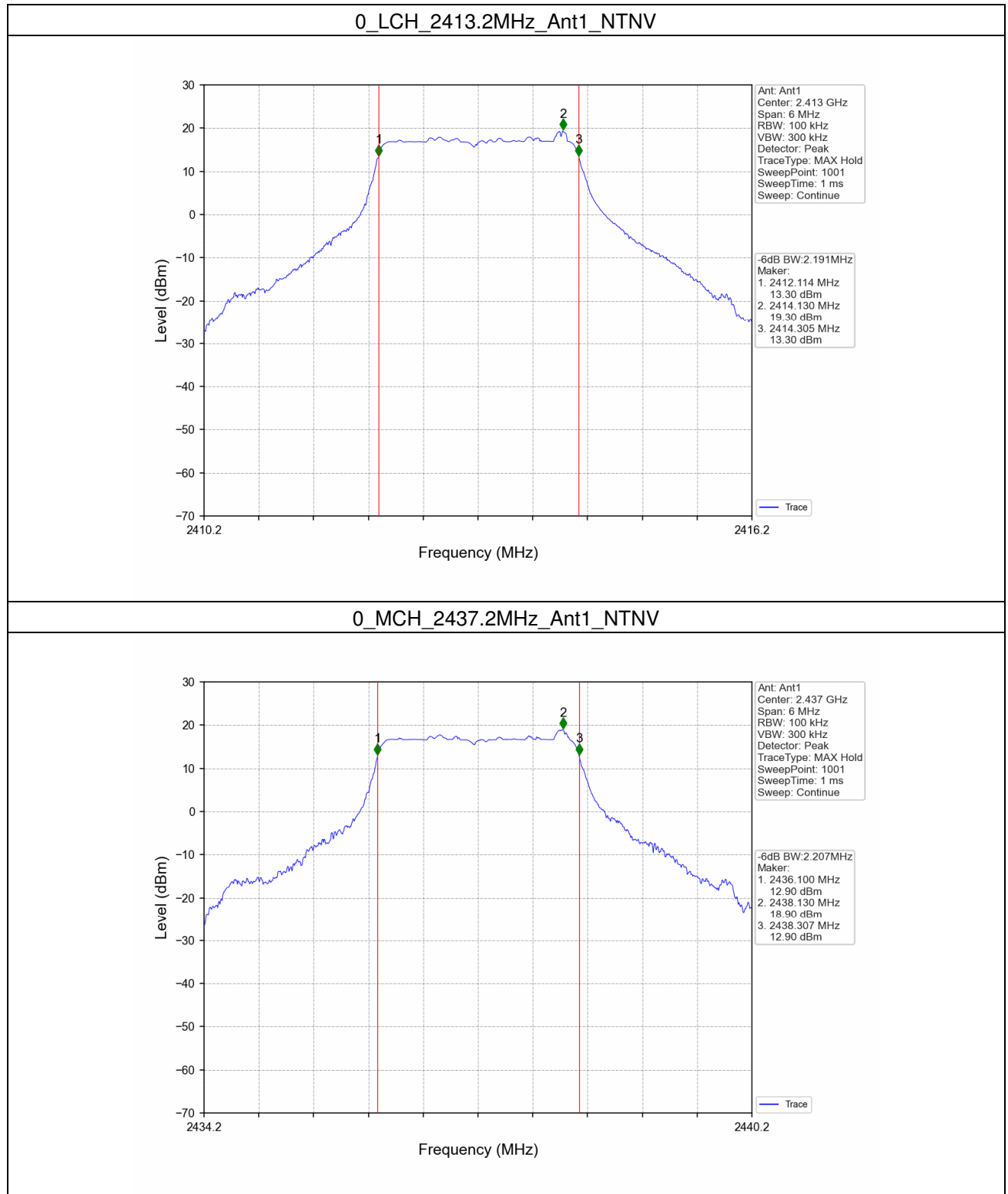
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2.2 6dB BW

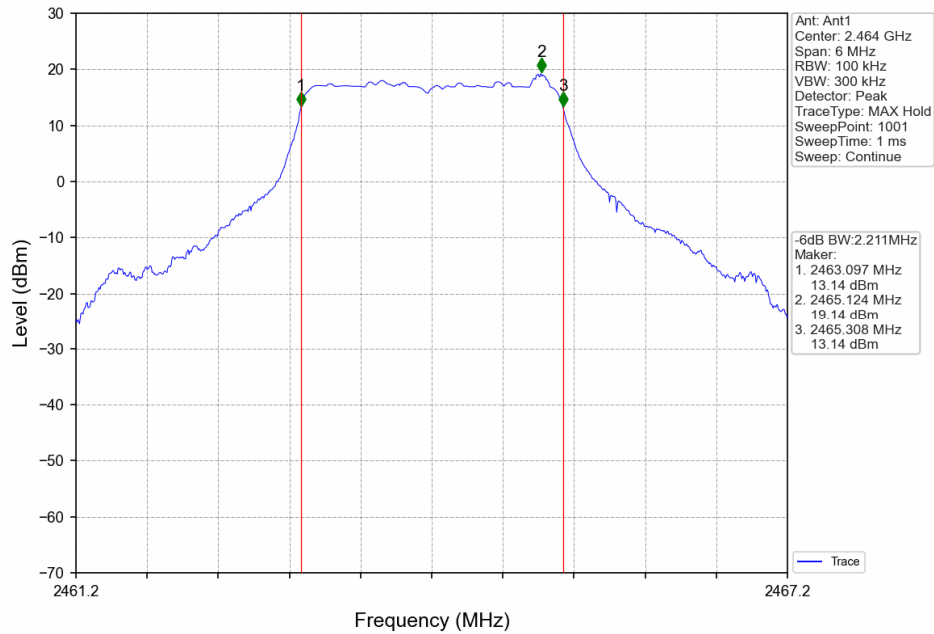
2.2.1 Test Result

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:

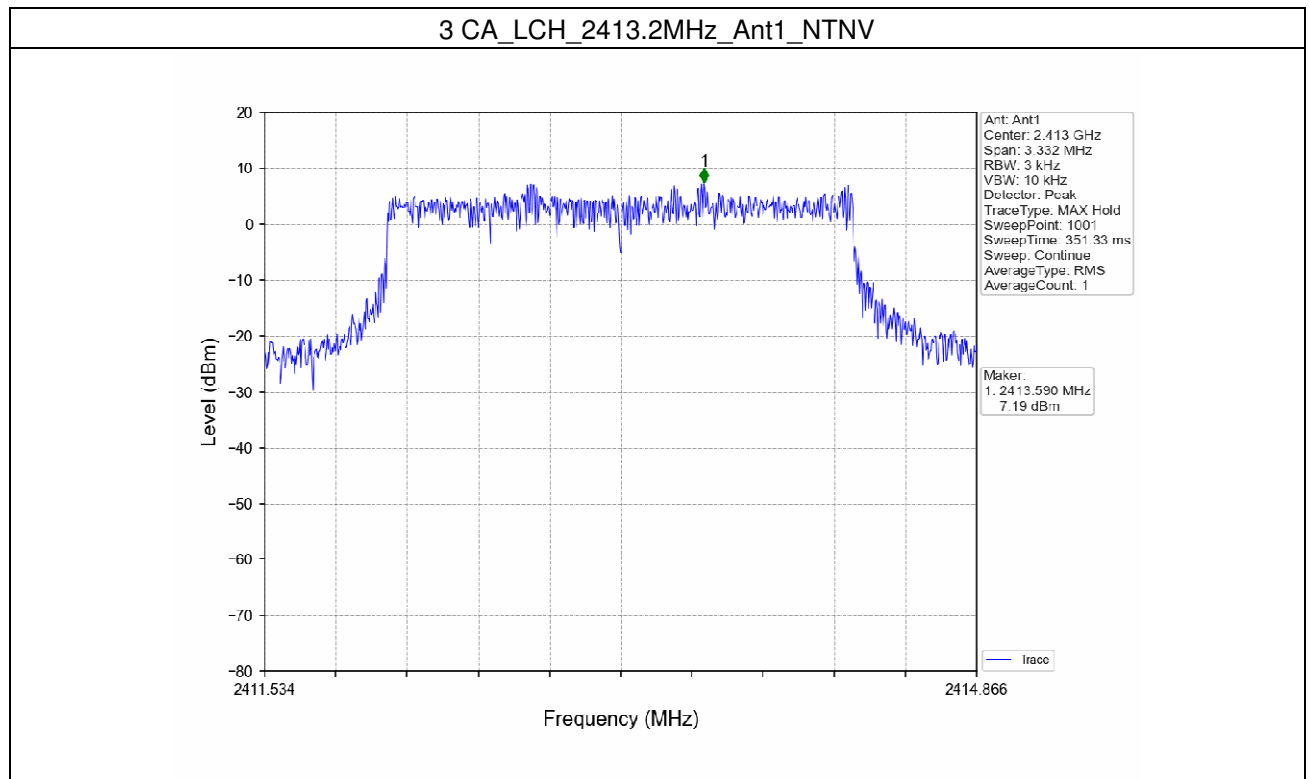
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
3M CA	SISO	2413.2	7.19	<=8	Pass
		2437.2	7.31	<=8	Pass
		2464.2	7.39	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

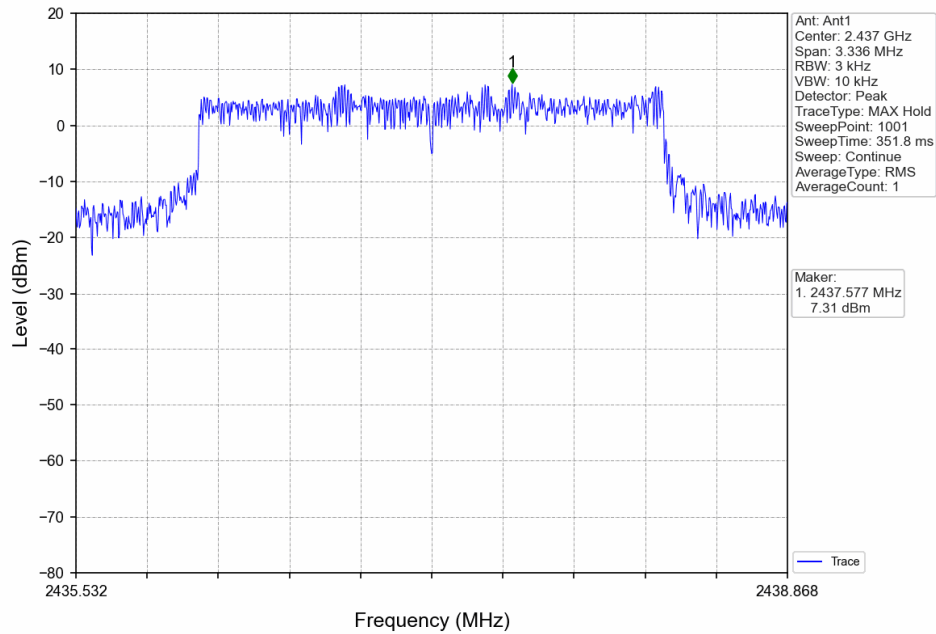
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
3M CA	SISO	2413.2	7.50	<=8	Pass
		2437.2	7.16	<=8	Pass
		2464.2	7.56	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

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;							

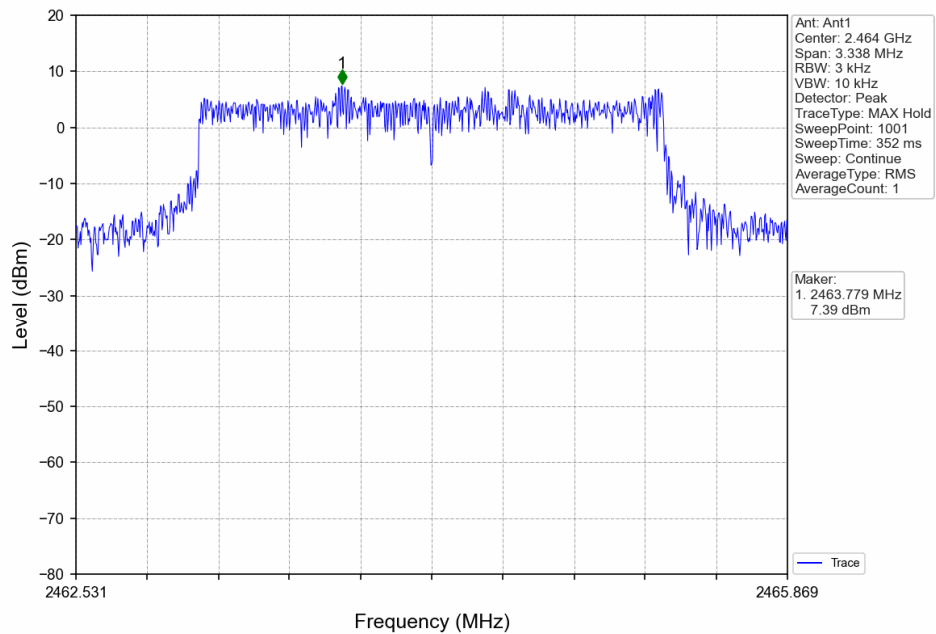
4.1.2 Test Graph



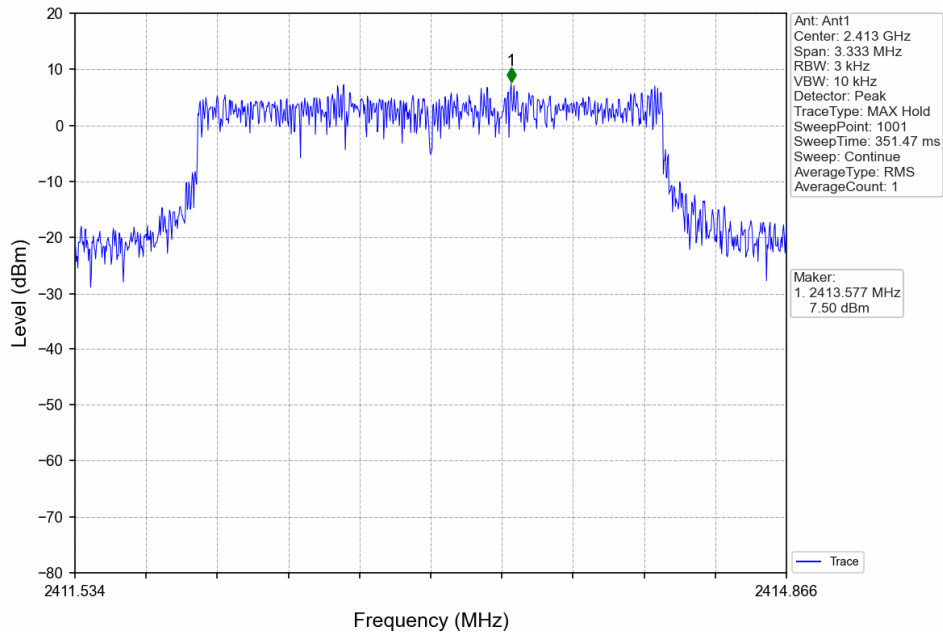
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3 CA_HCH_2464.2MHz_Ant1_NTNV



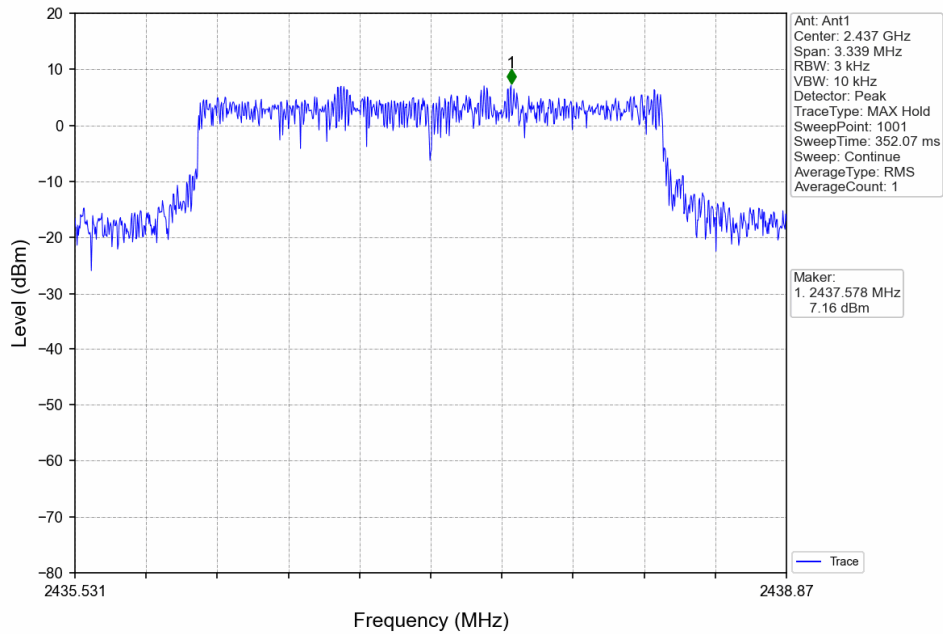
3 CA_LCH_2413.2MHz_Ant2_NTNV



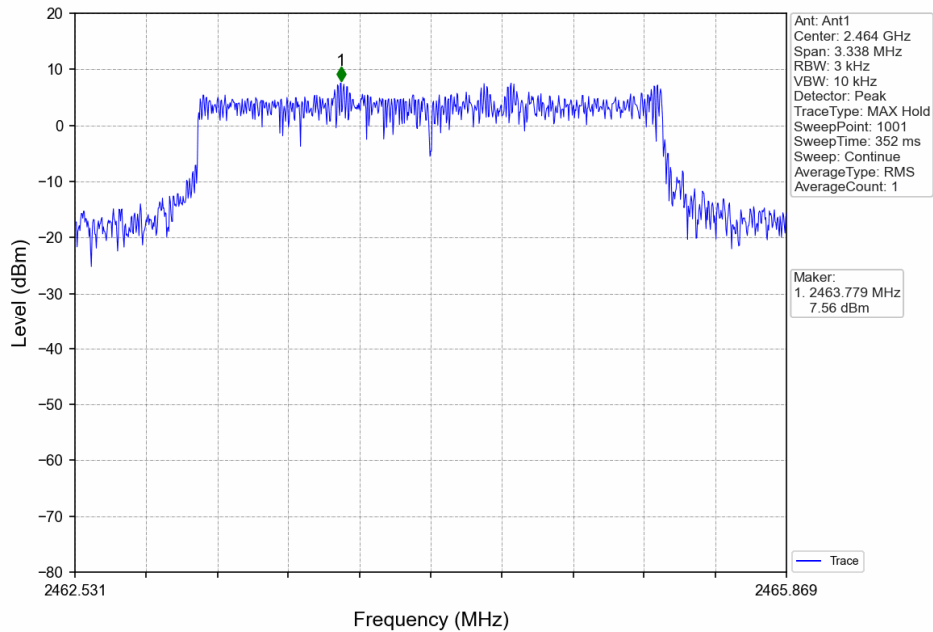
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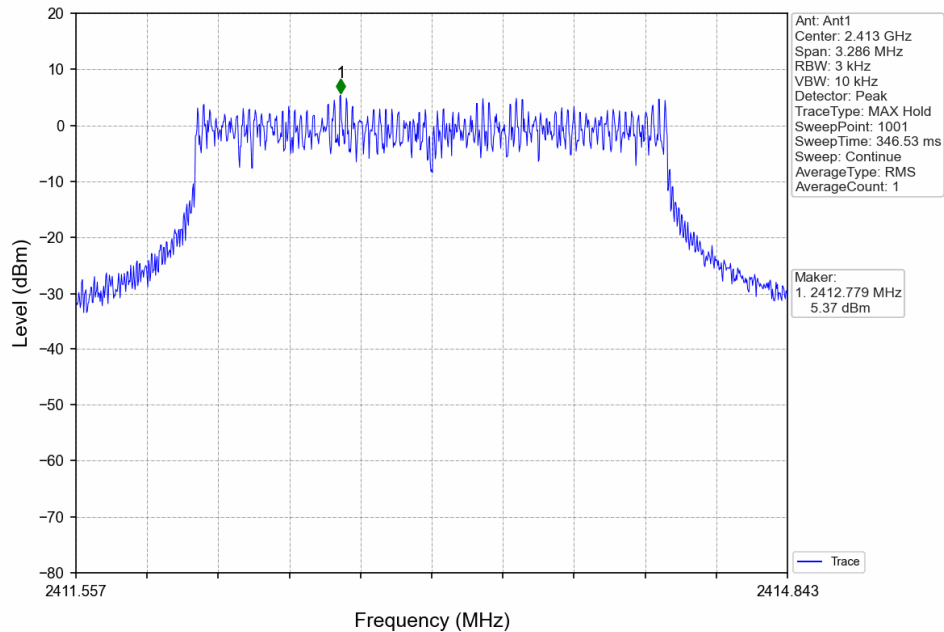
3 CA_MCH_2437.2MHz_Ant2_NTNV



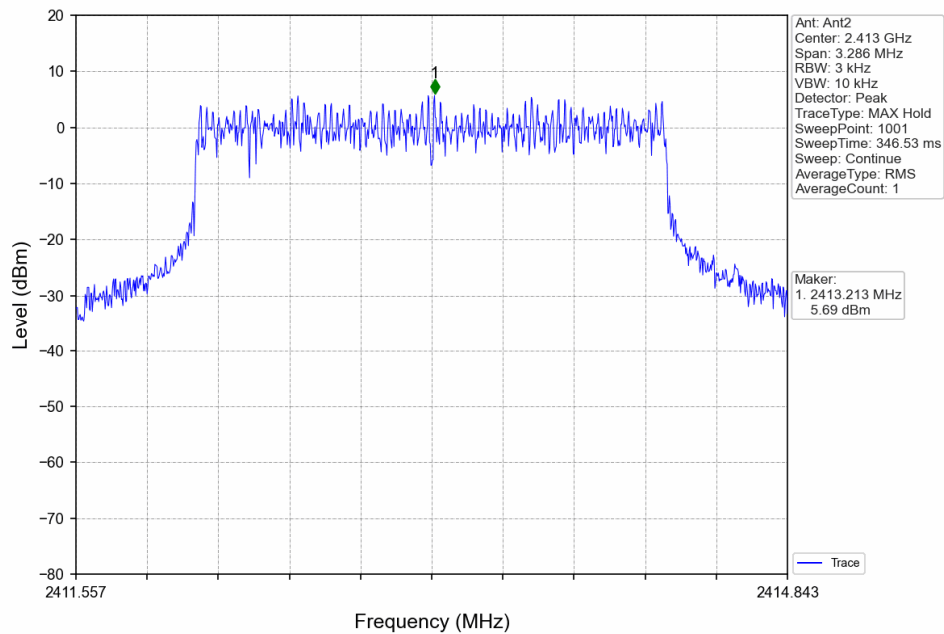
3 CA_HCH_2464.2MHz_Ant2_NTNV



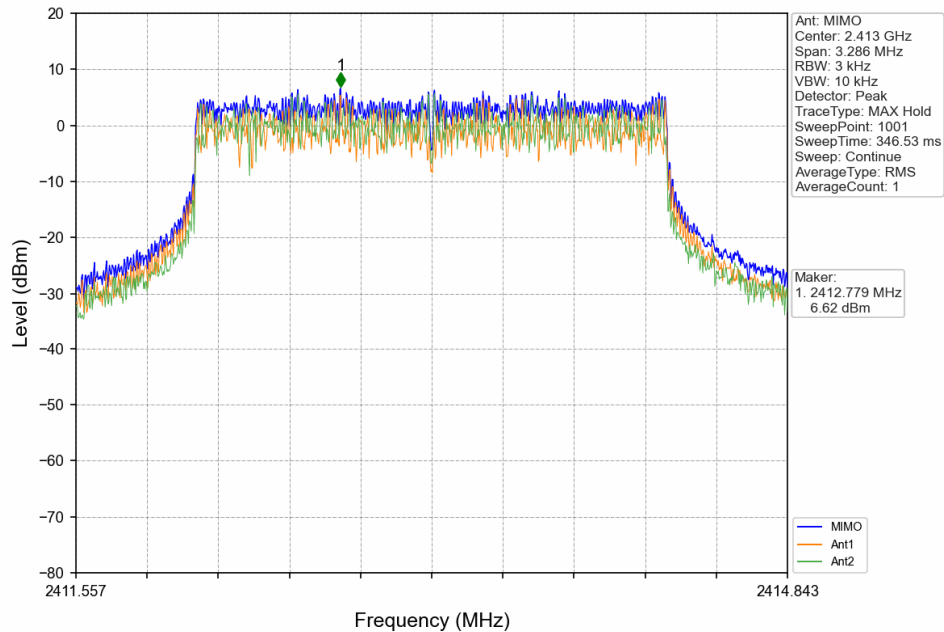
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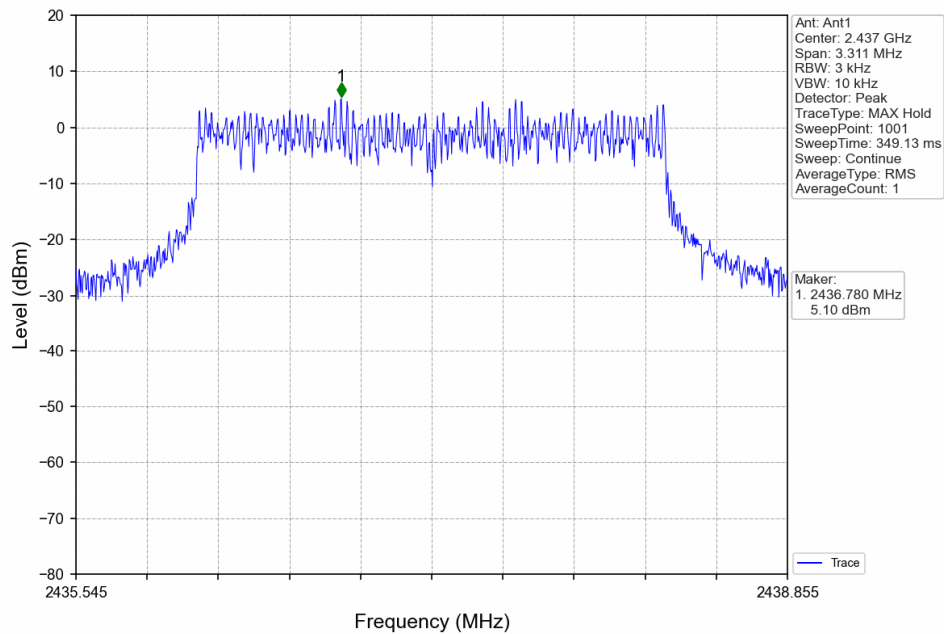
0_LCH_2413.2MHz_Ant2_NTNV



0_LCH_2413.2MHz_MIMO_NTNV



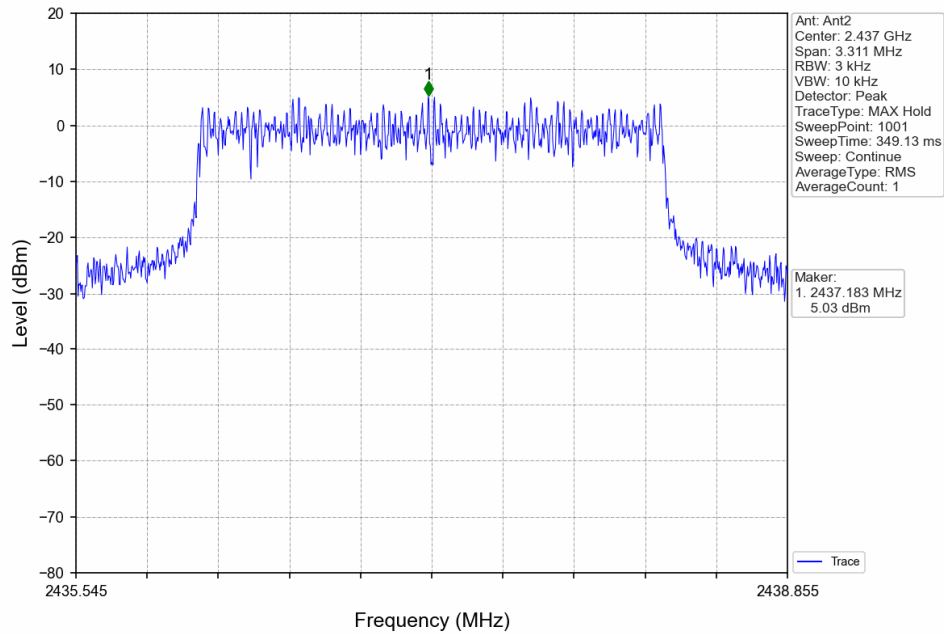
0_MCH_2437.2MHz_Ant1_NTNV



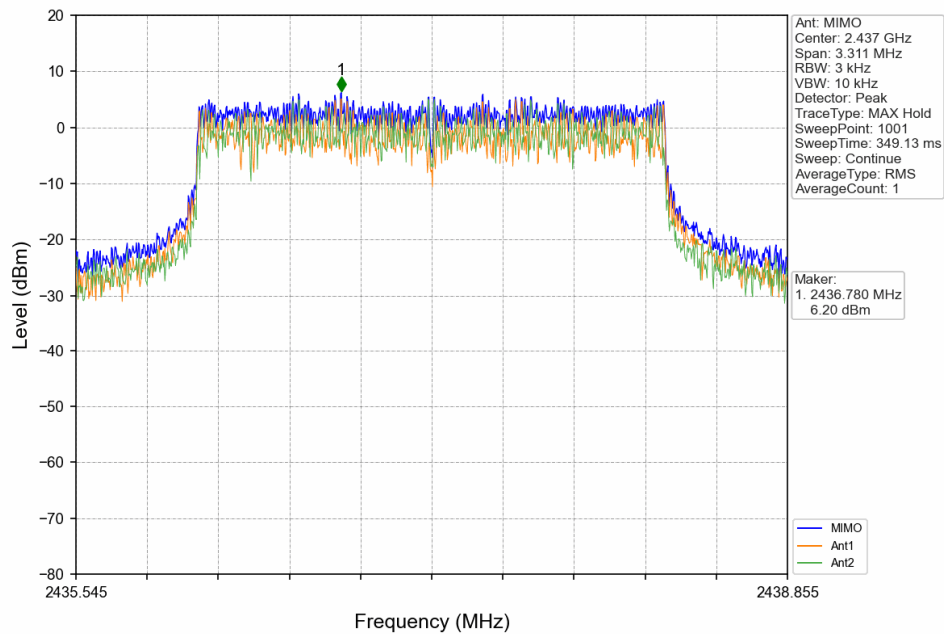
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0_MCH_2437.2MHz_Ant2_NTNV



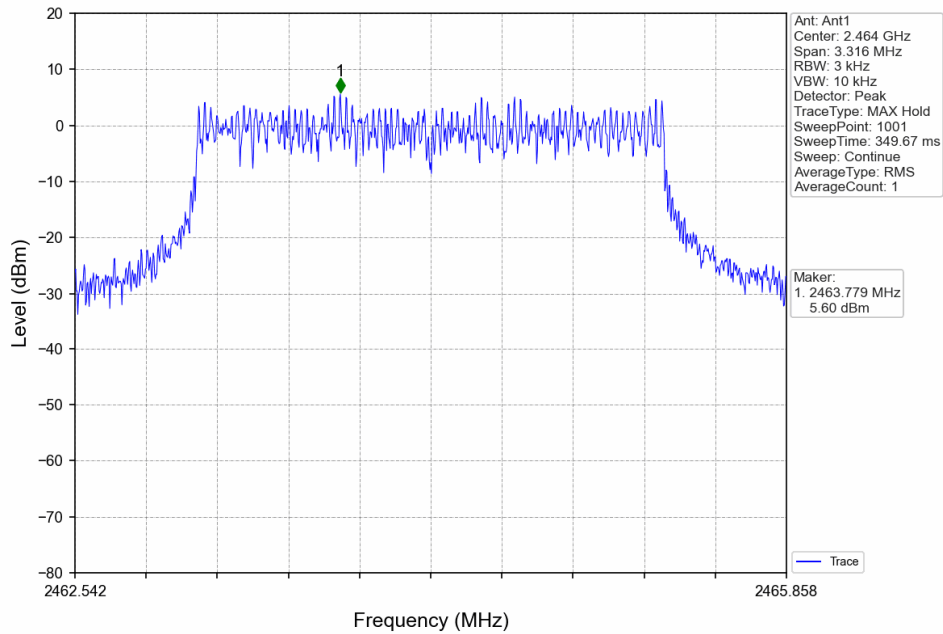
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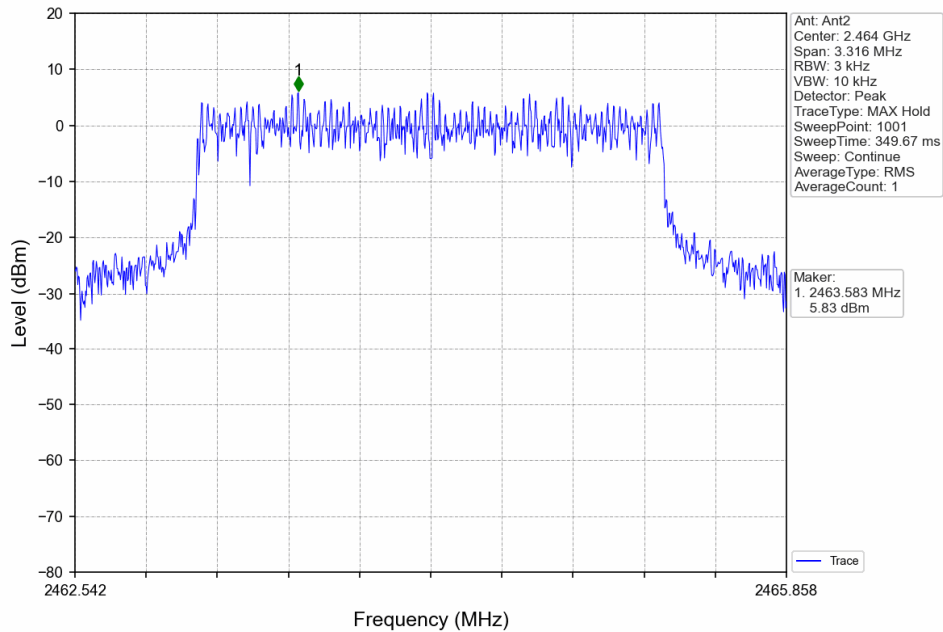
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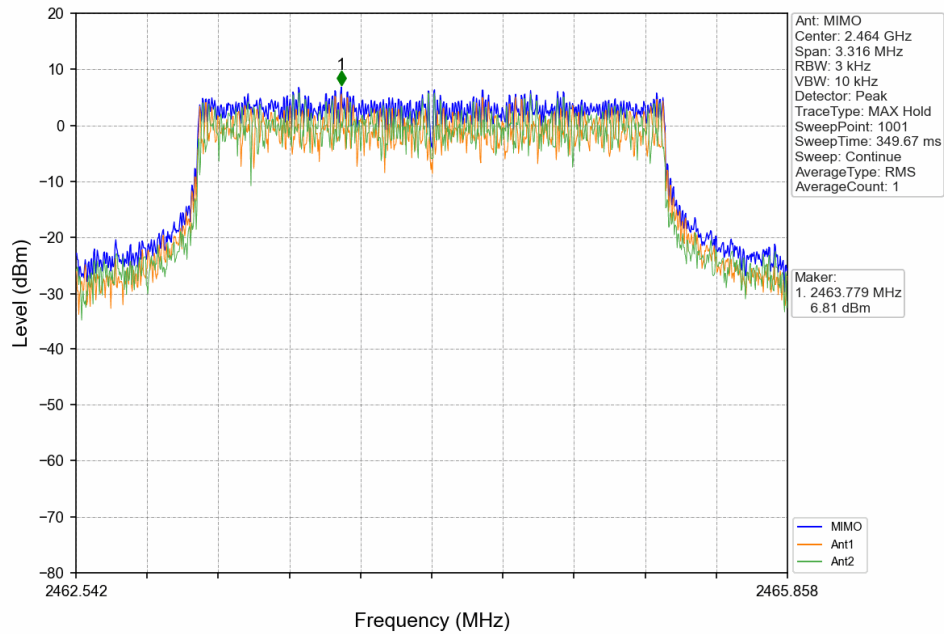
0_HCH_2464.2MHz_Ant1_NTNV



0_HCH_2464.2MHz_Ant2_NTNV



0_HCH_2464.2MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

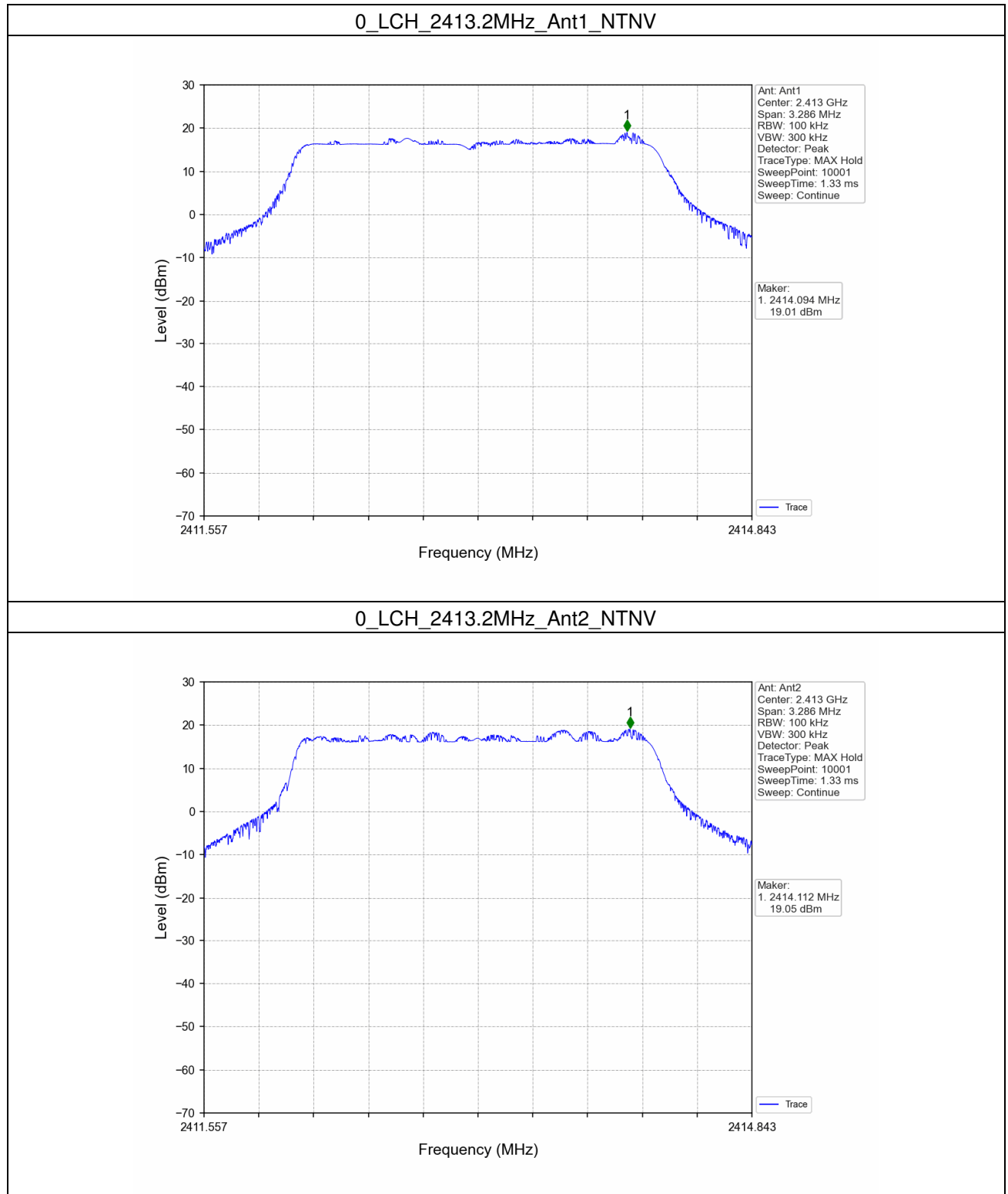
5.1 Ref

5.1.1 Test Result

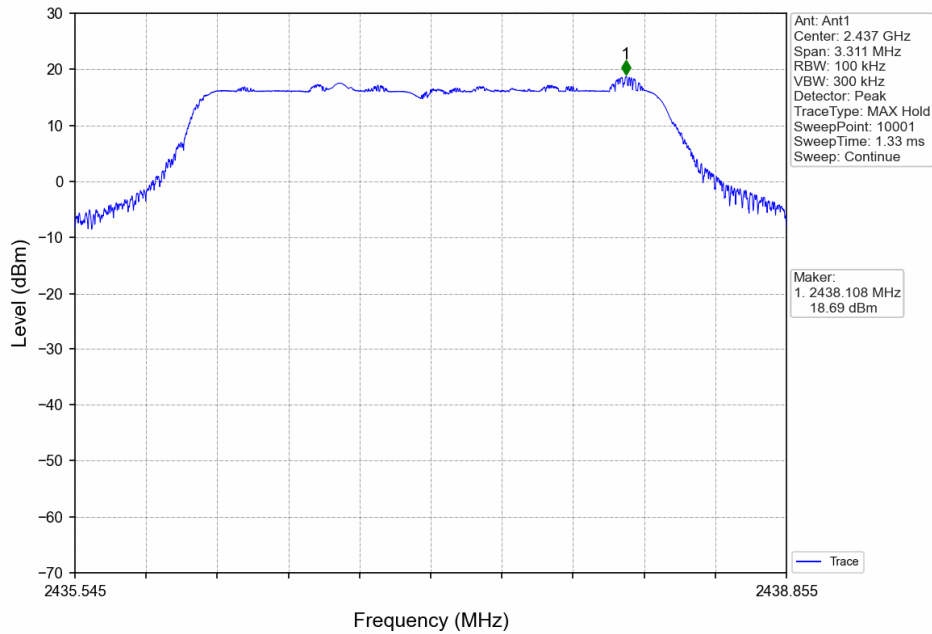
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
3M CA	MIMO	2413.2	1	19.01	/	/
			2	19.05	/	/
		2437.2	1	18.69	/	/
			2	18.21	/	/
		2464.2	1	18.95	/	/
			2	18.82	/	/

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.

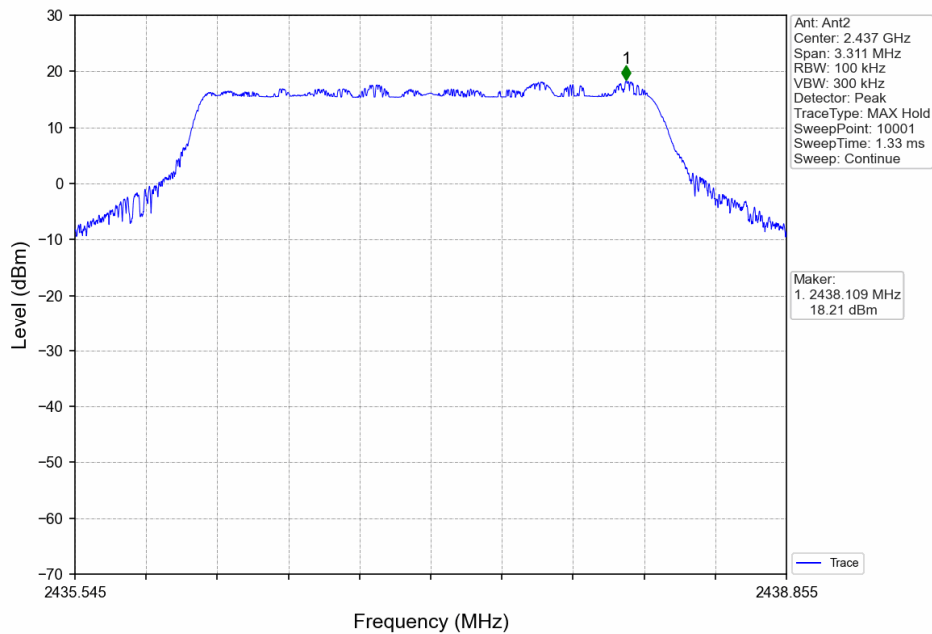
5.1.2 Test Graph



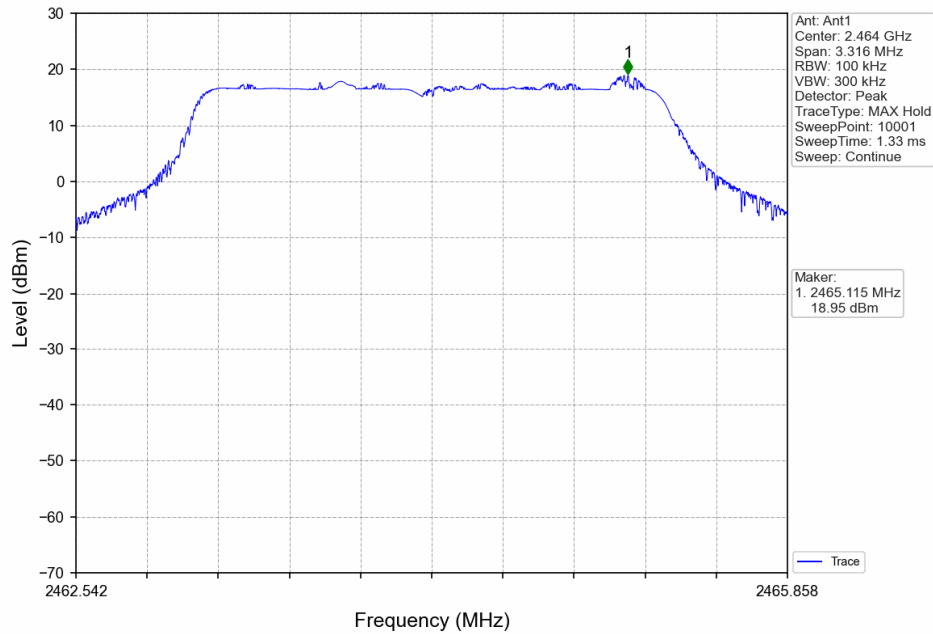
0_MCH_2437.2MHz_Ant1_NTNV



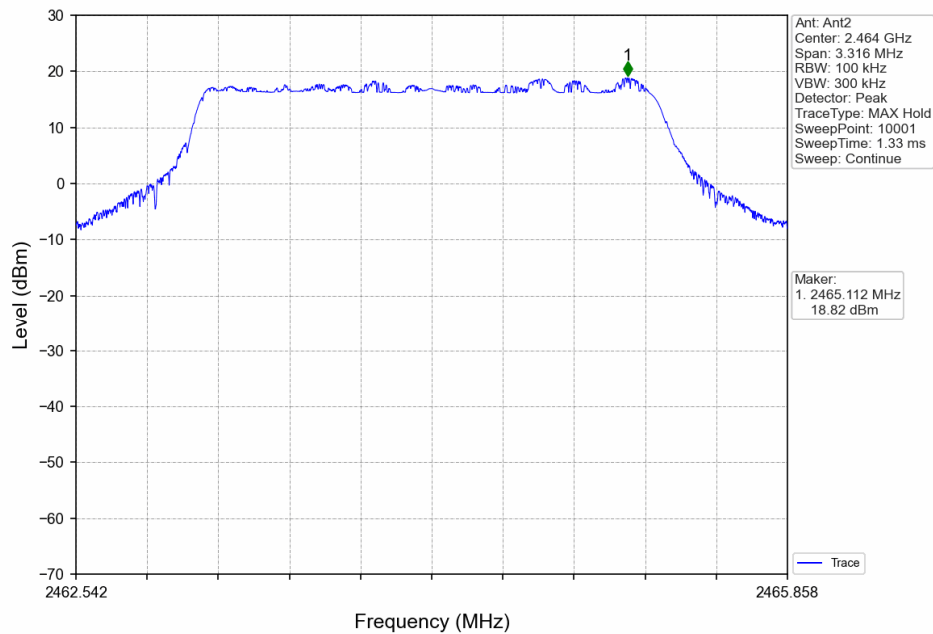
0_MCH_2437.2MHz_Ant2_NTNV



0_HCH_2464.2MHz_Ant1_NTNV



0_HCH_2464.2MHz_Ant2_NTNV



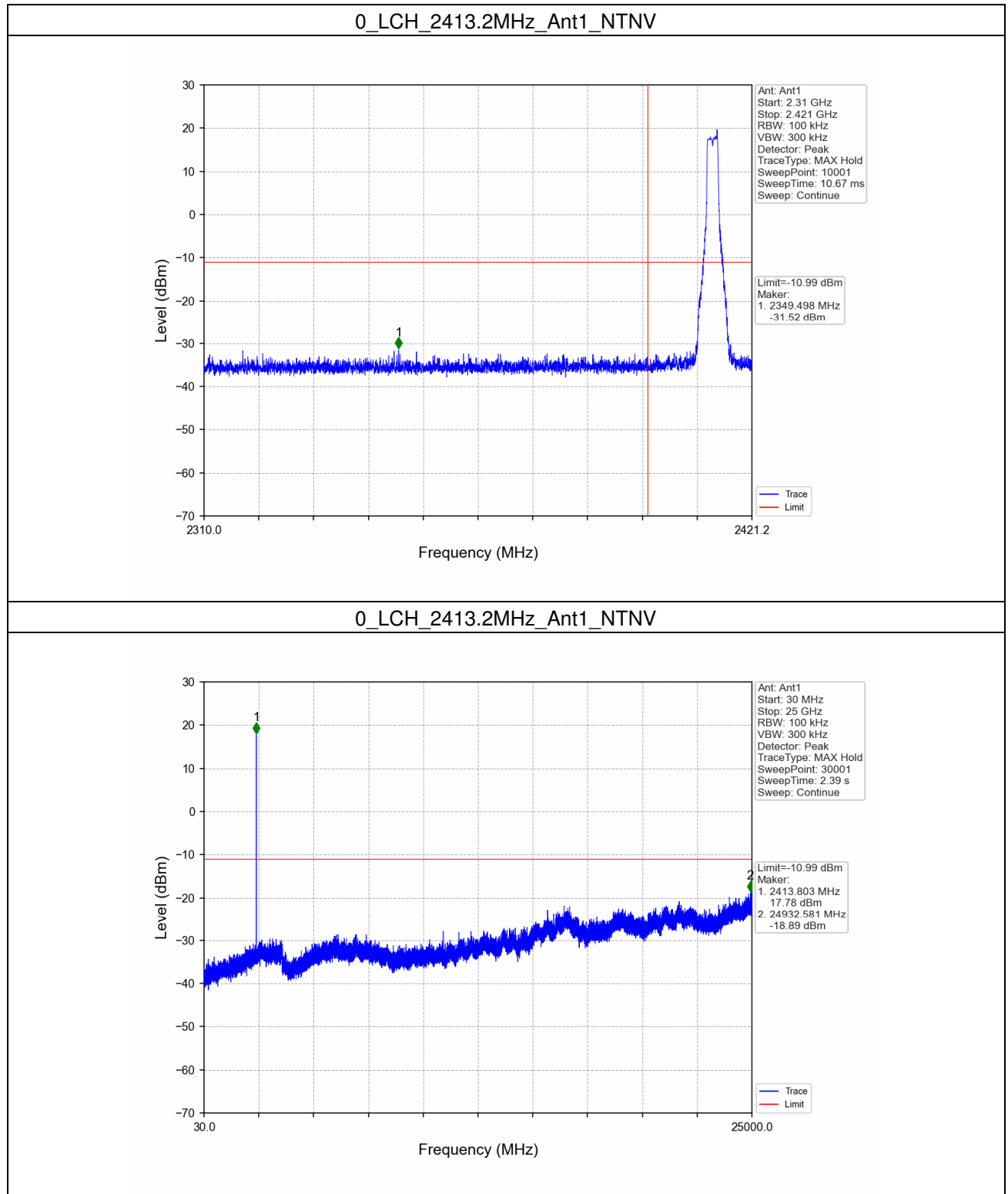
5.2 CSE

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

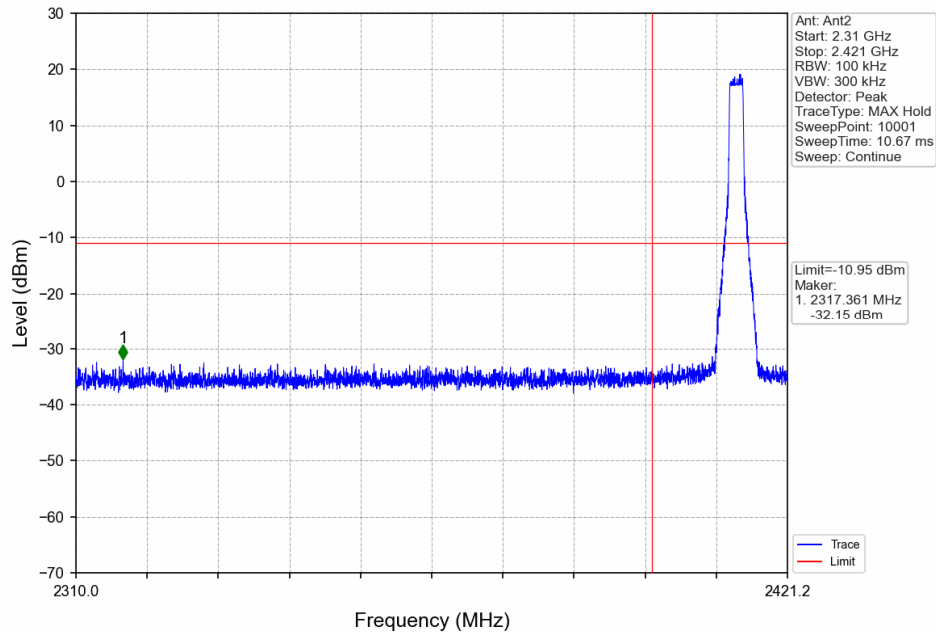
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph

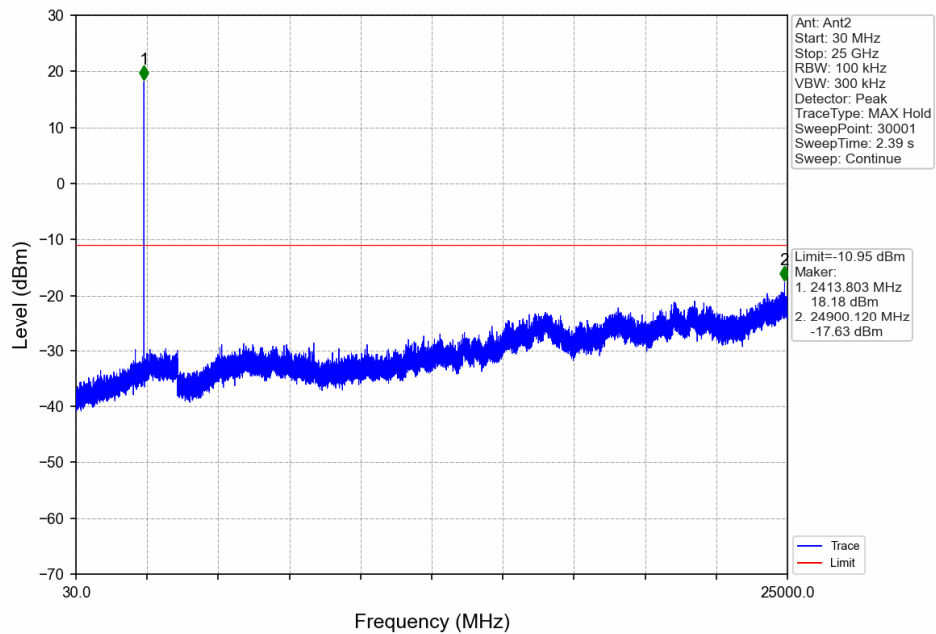


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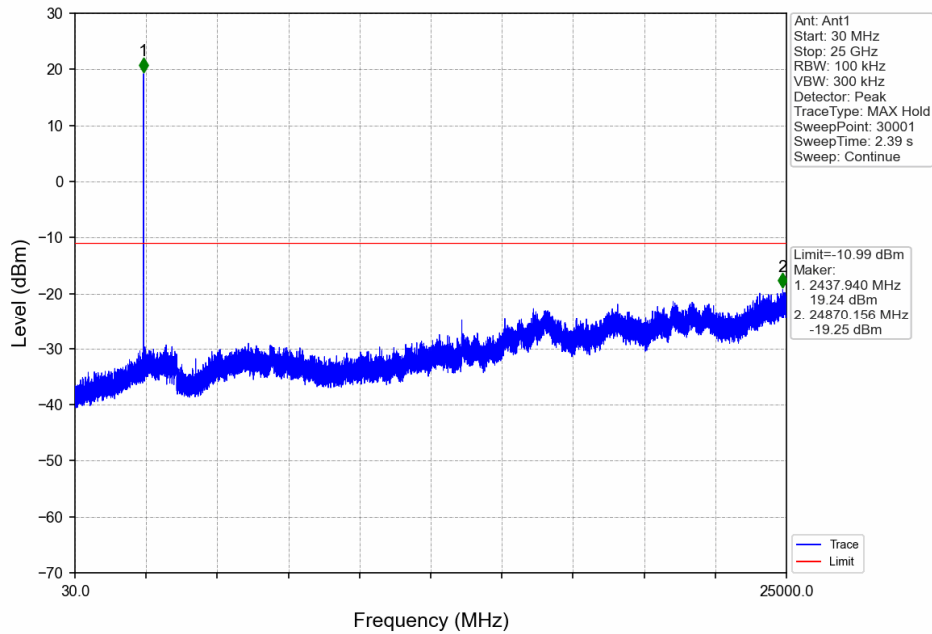
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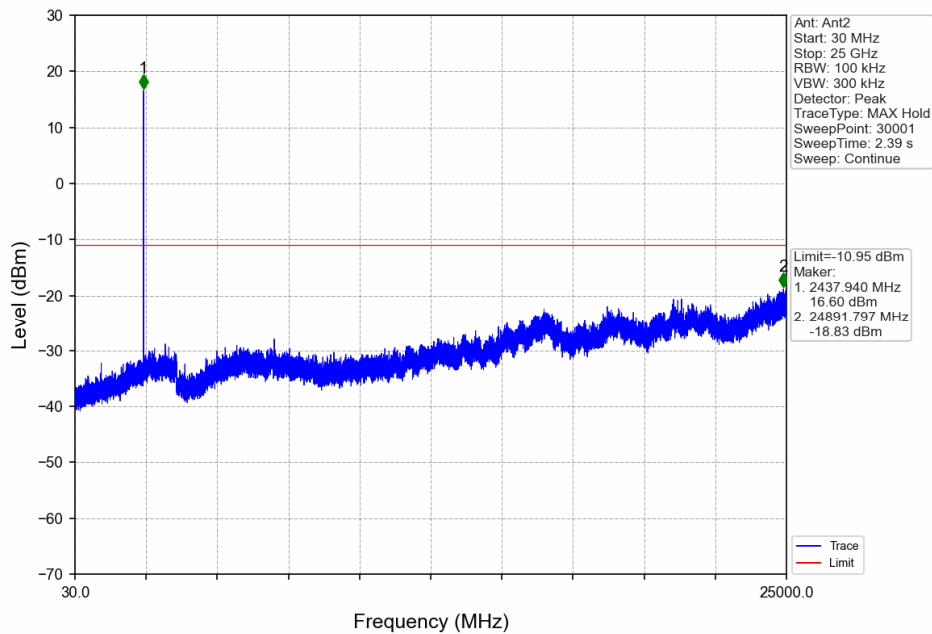
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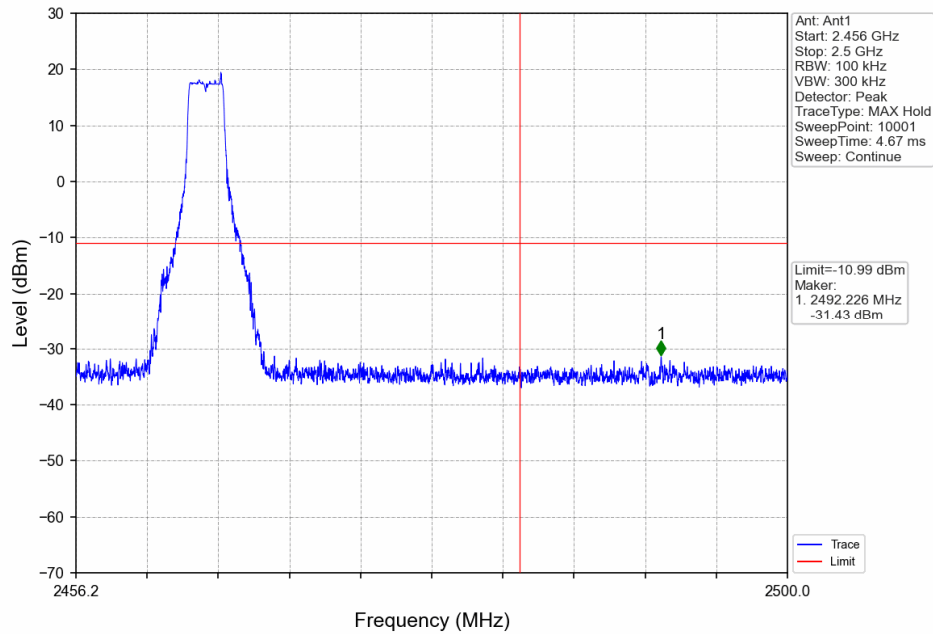
0_MCH_2437.2MHz_Ant1_NTNV



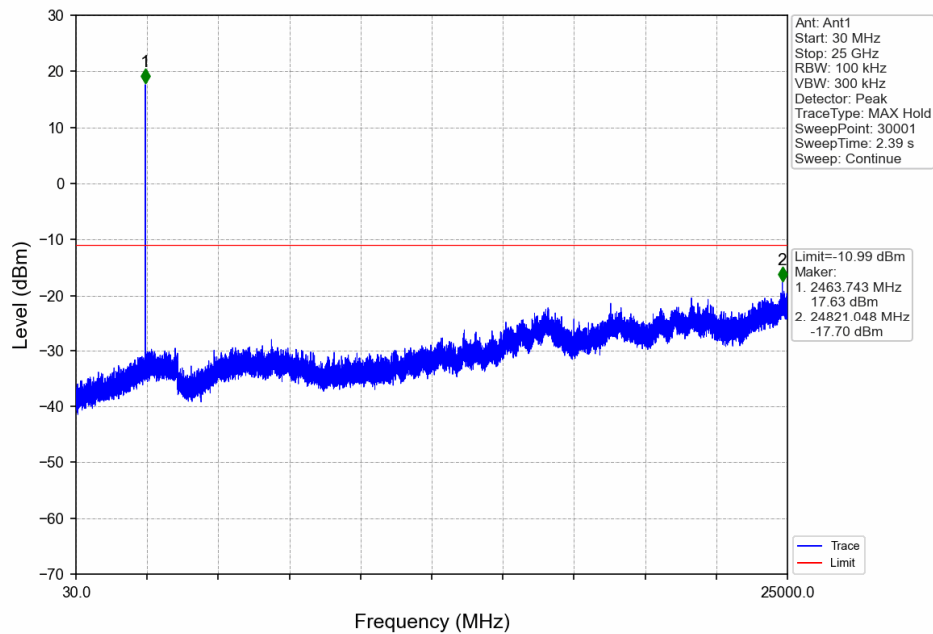
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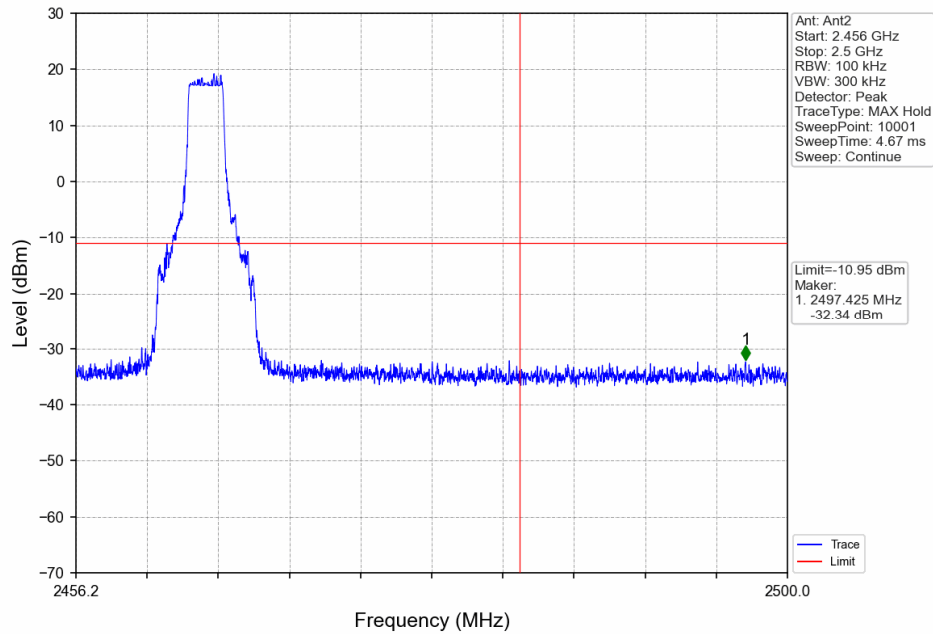
0_HCH_2464.2MHz_Ant1_NTNV



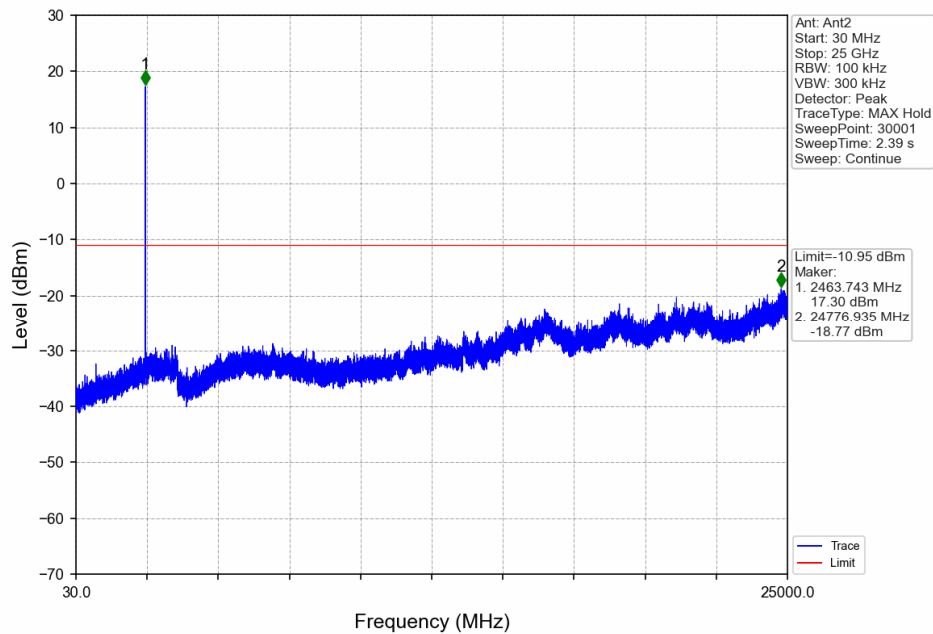
0_HCH_2464.2MHz_Ant1_NTNV



0_HCH_2464.2MHz_Ant2_NTNV



0_HCH_2464.2MHz_Ant2_NTNV



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

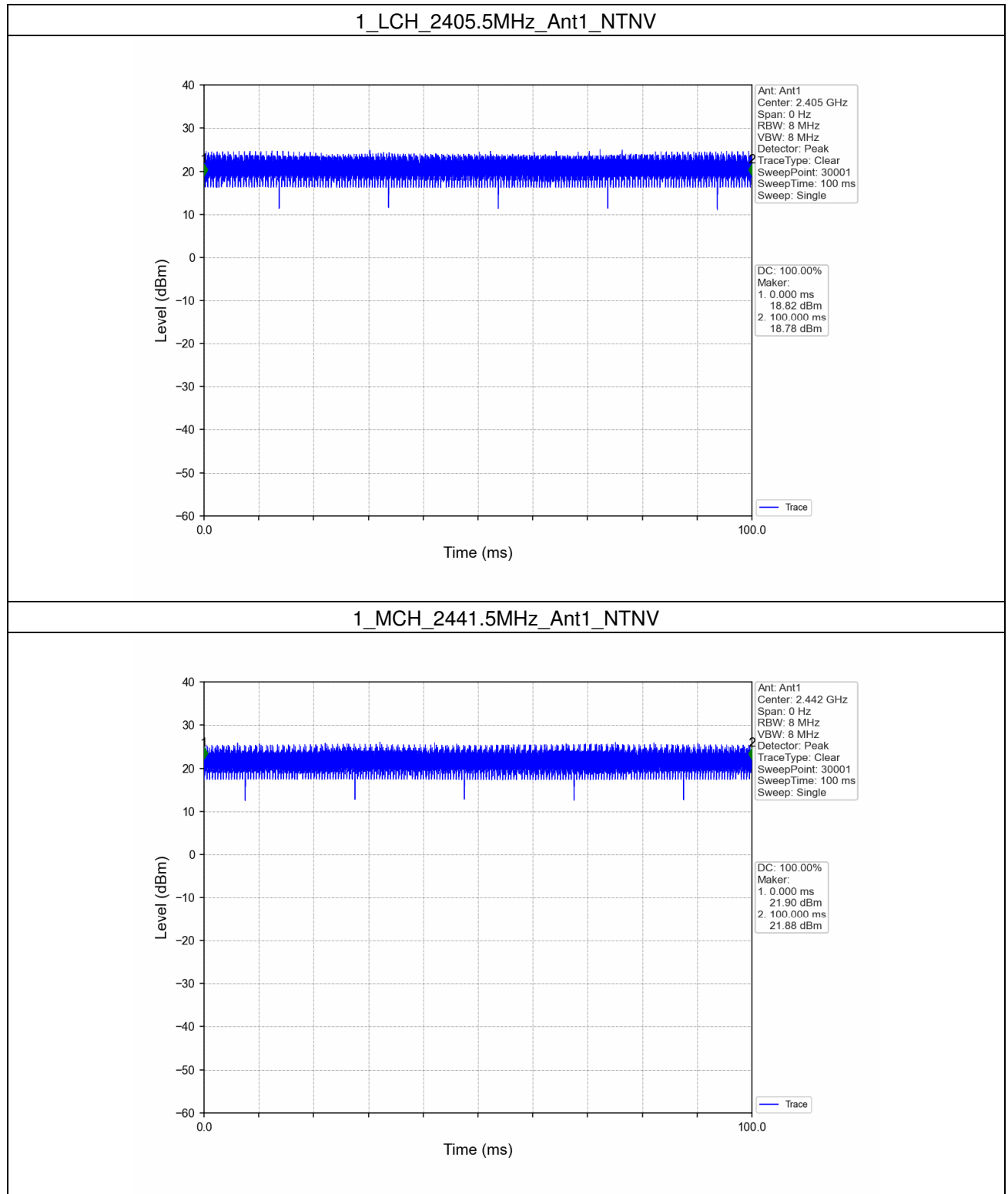
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
10M	MIMO	2405.5	100.00	100.00	100.00	0.00	0.00
		2441.5	100.00	100.00	100.00	0.00	0.00
		2476.5	100.00	100.00	100.00	0.00	0.00



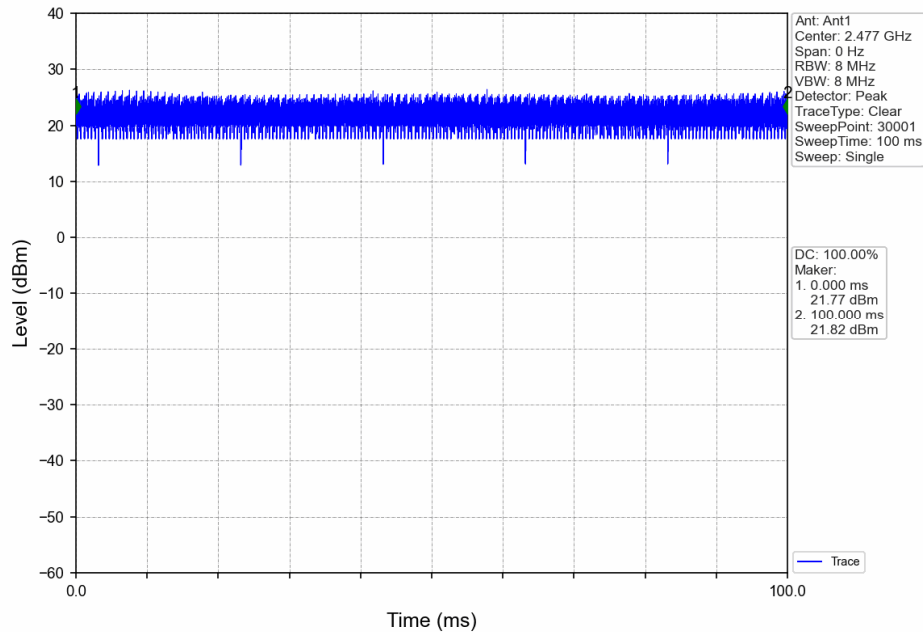
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1.1.2 Test Graph



1_HCH_2476.5MHz_Ant1_NTNV



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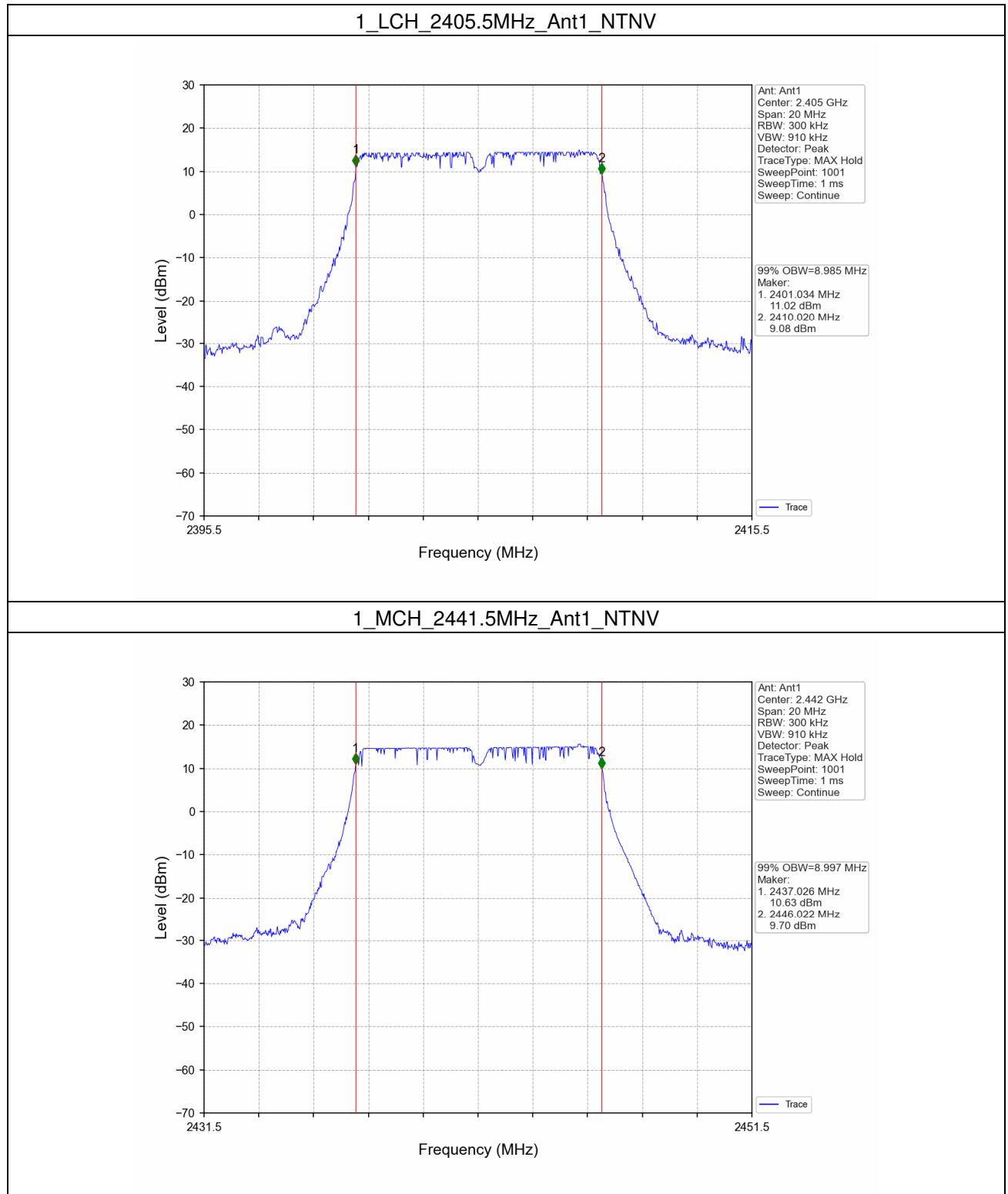
2. Bandwidth

2.1 OBW

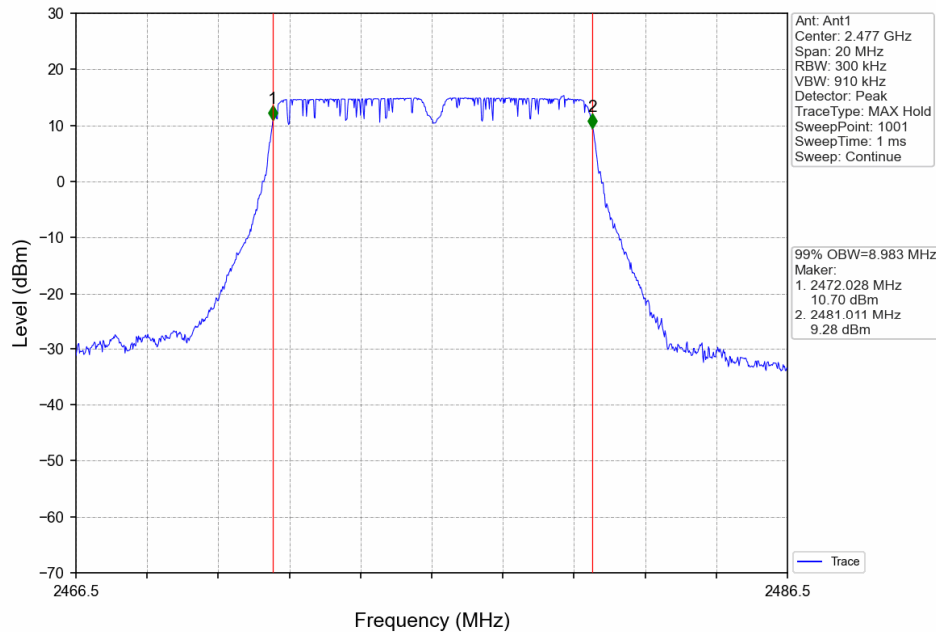
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
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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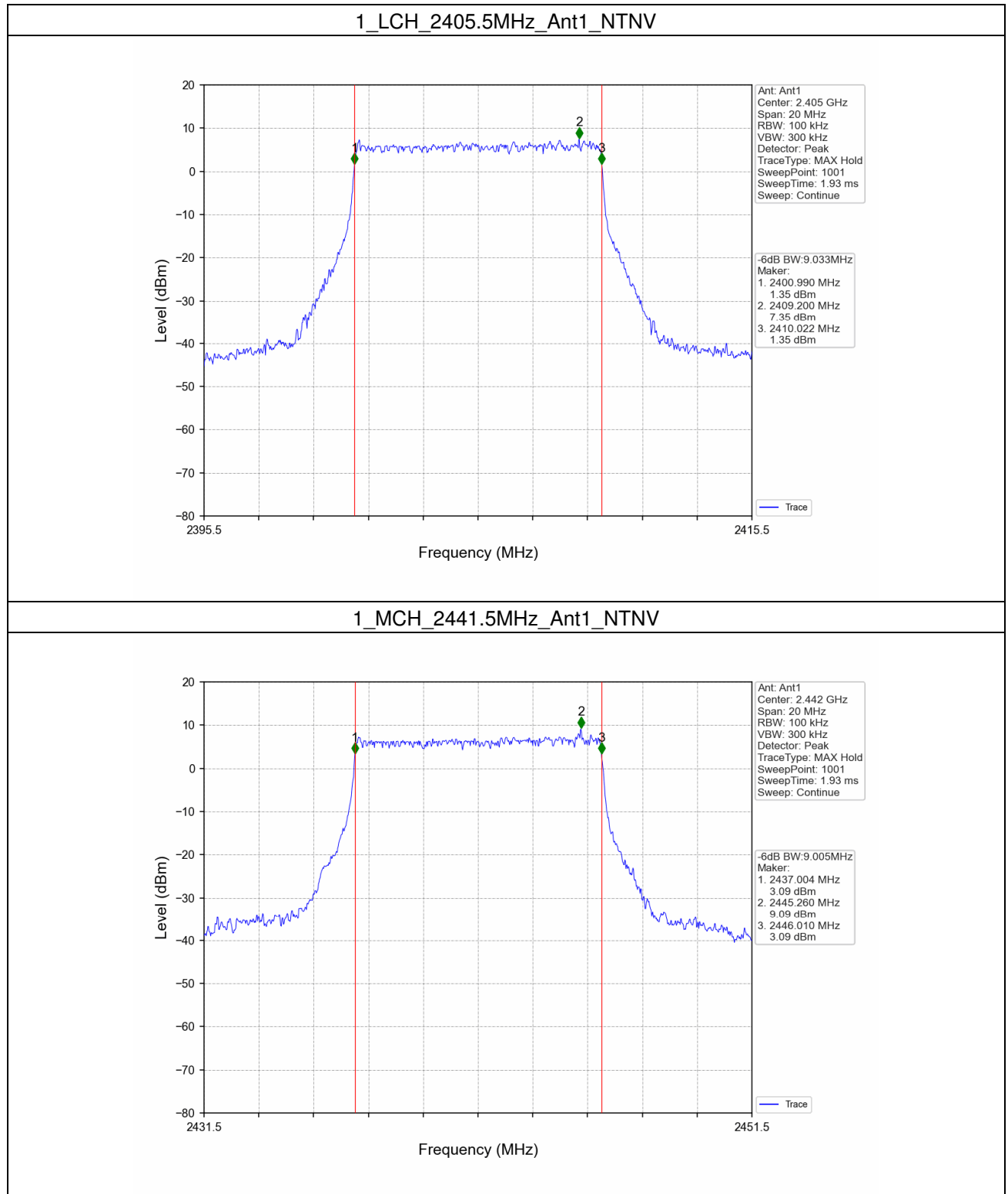
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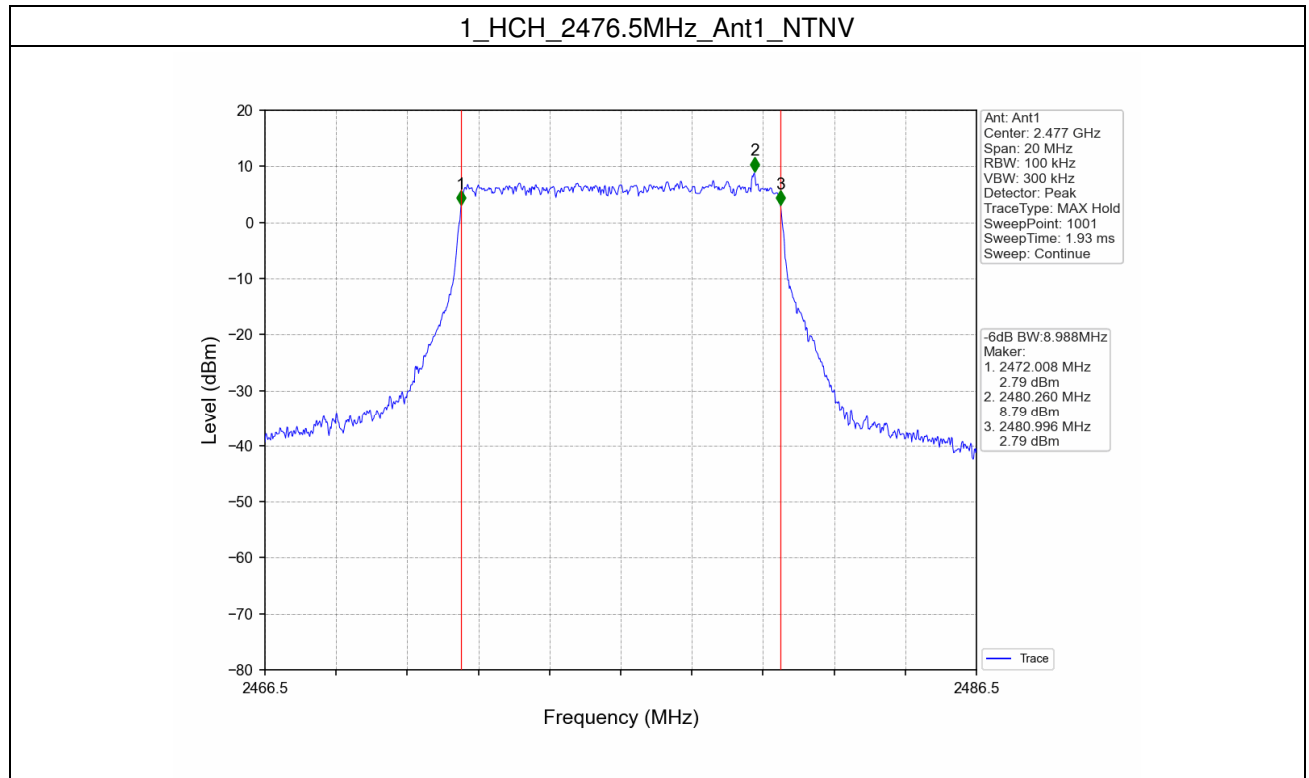
2.2 6dB BW

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:**

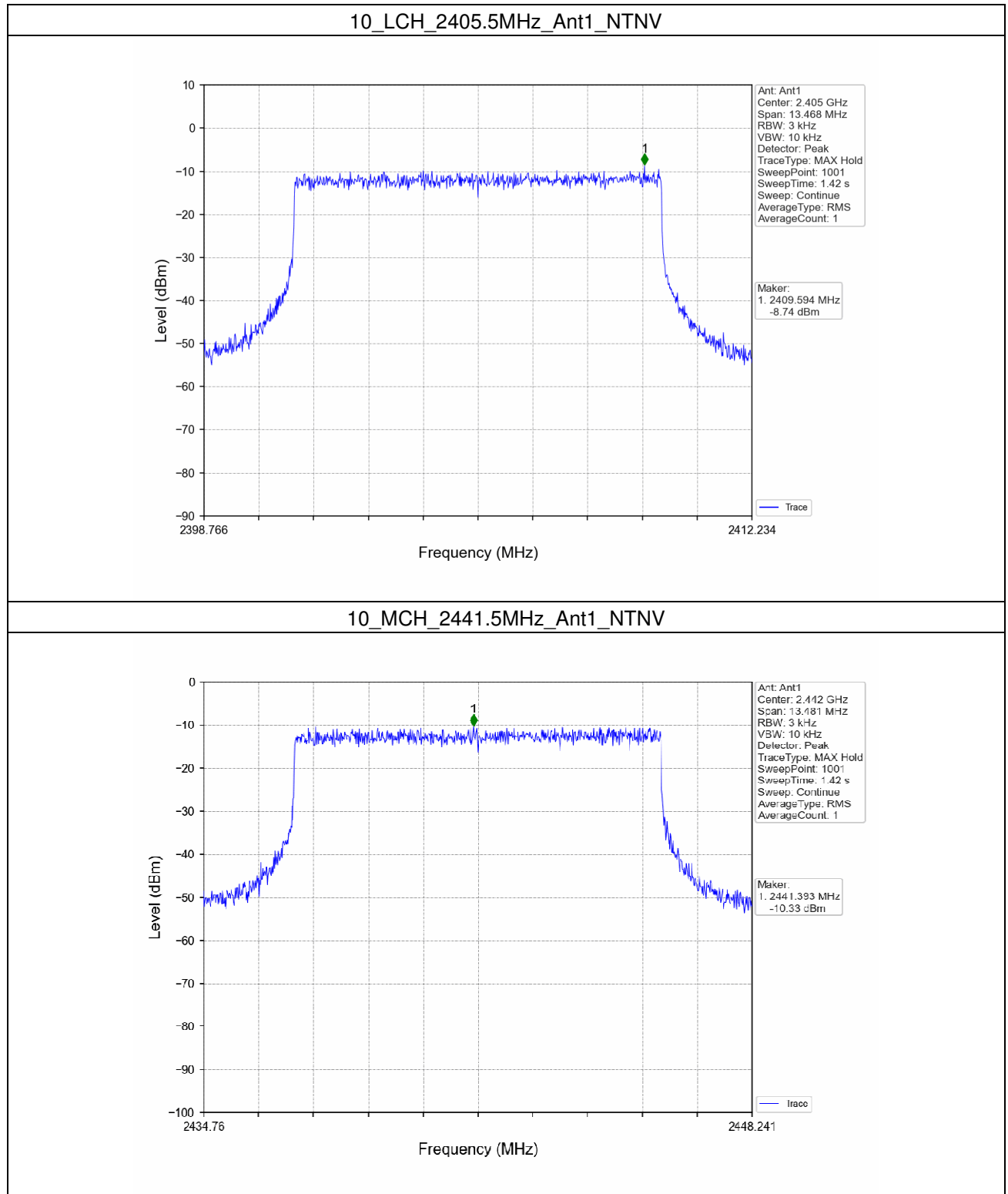
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
10M	SISO	2405.5	-8.74	<=8	Pass
		2441.5	-10.33	<=8	Pass
		2476.5	-9.58	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

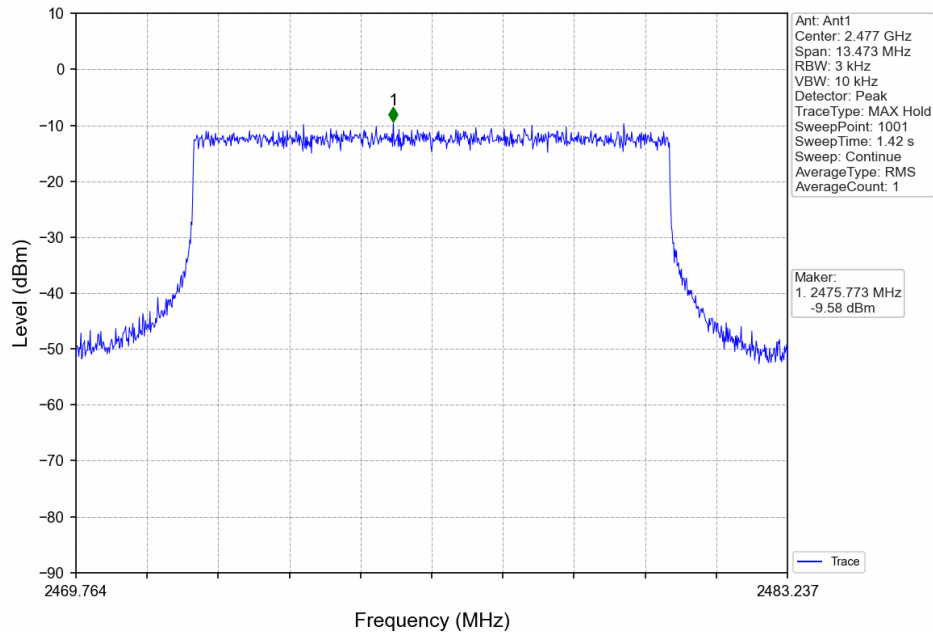
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
10M	SISO	2405.5	-9.97	<=8	Pass
		2441.5	-10.32	<=8	Pass
		2476.5	-9.75	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

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;							

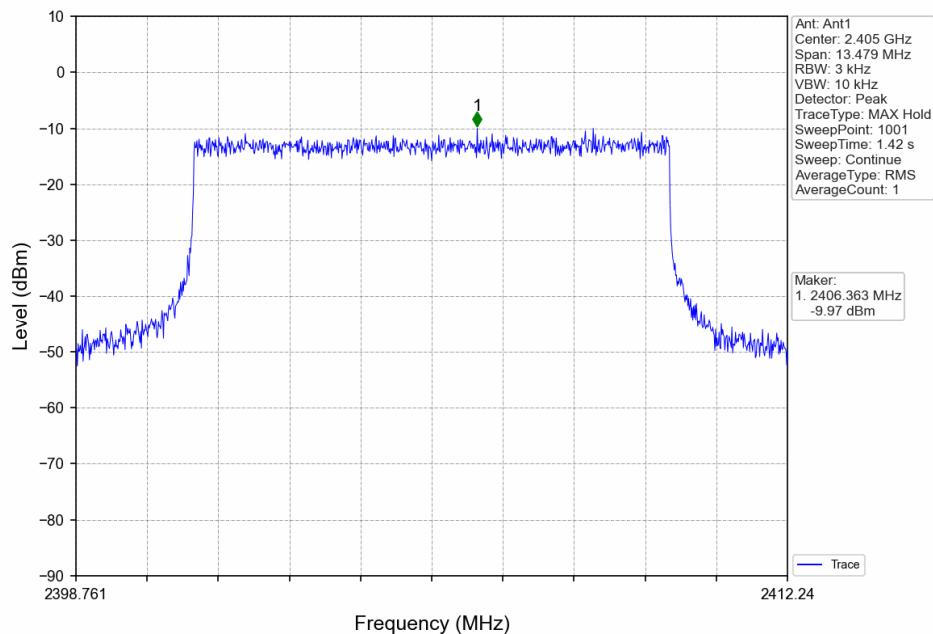
4.1.2 Test Graph



10_HCH_2476.5MHz_Ant1_NTNV



10_LCH_2405.5MHz_Ant2_NTNV

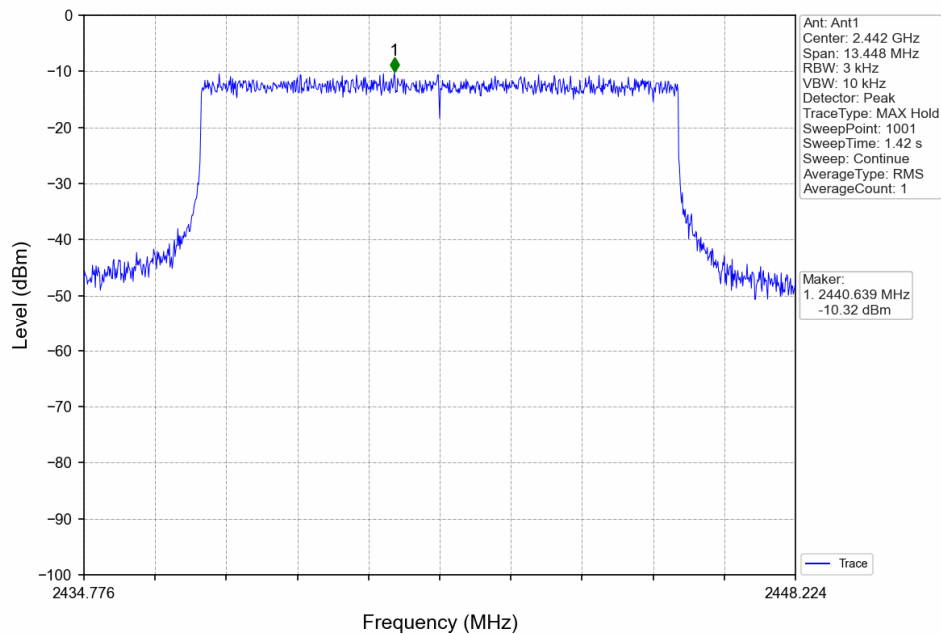


10_MCH_2441.5MHz_Ant2_NTNV

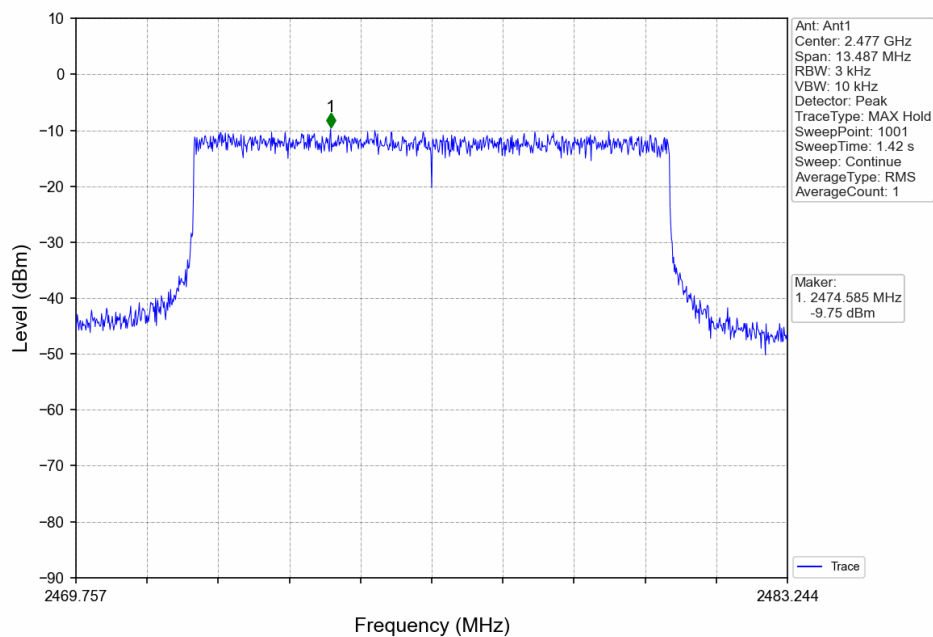


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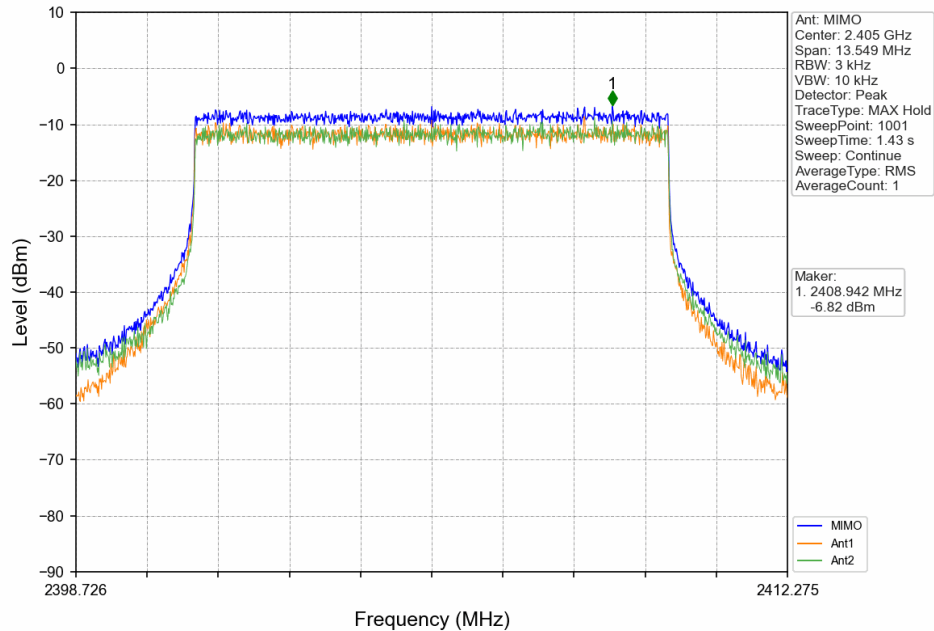
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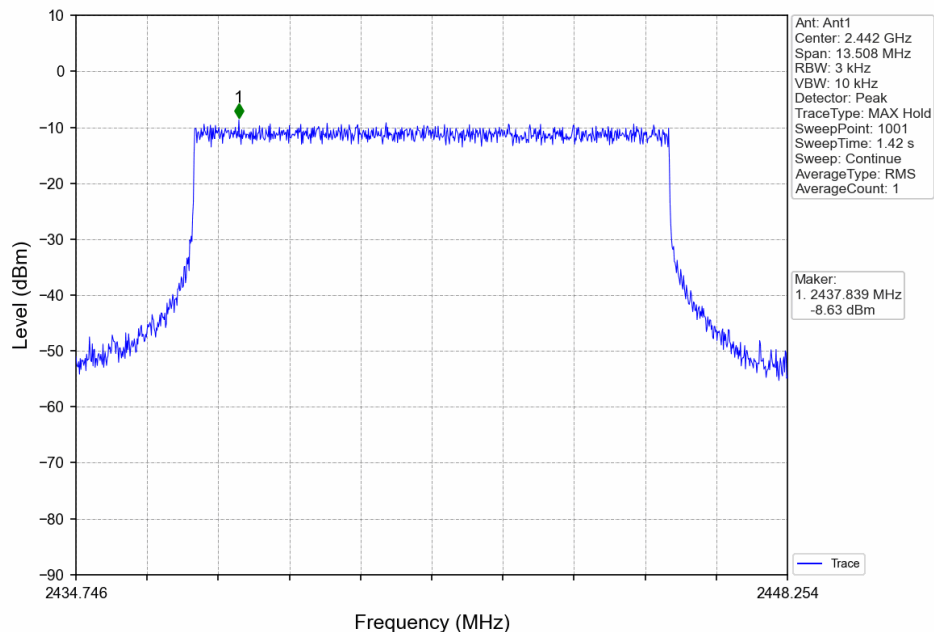
10_HCH_2476.5MHz_Ant2_NTNV



1_LCH_2405.5MHz_MIMO_NTNV



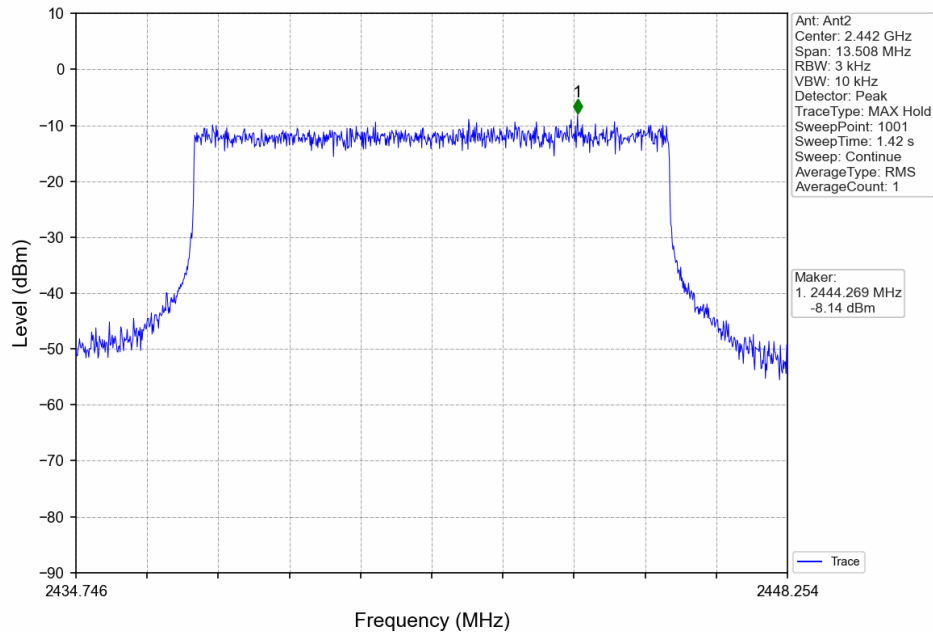
1_MCH_2441.5MHz_Ant1_NTNV



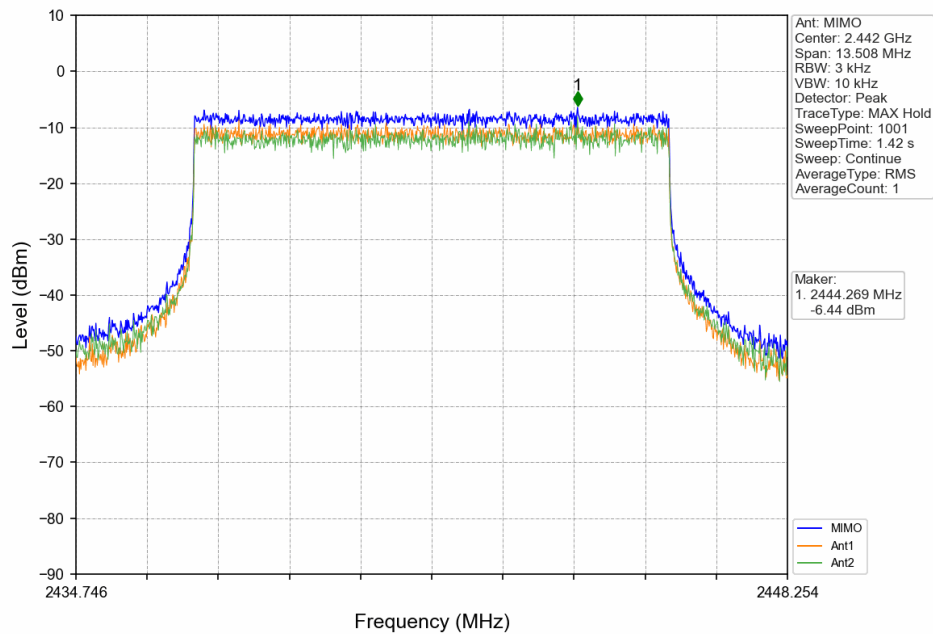
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1_MCH_2441.5MHz_Ant2_NTNV



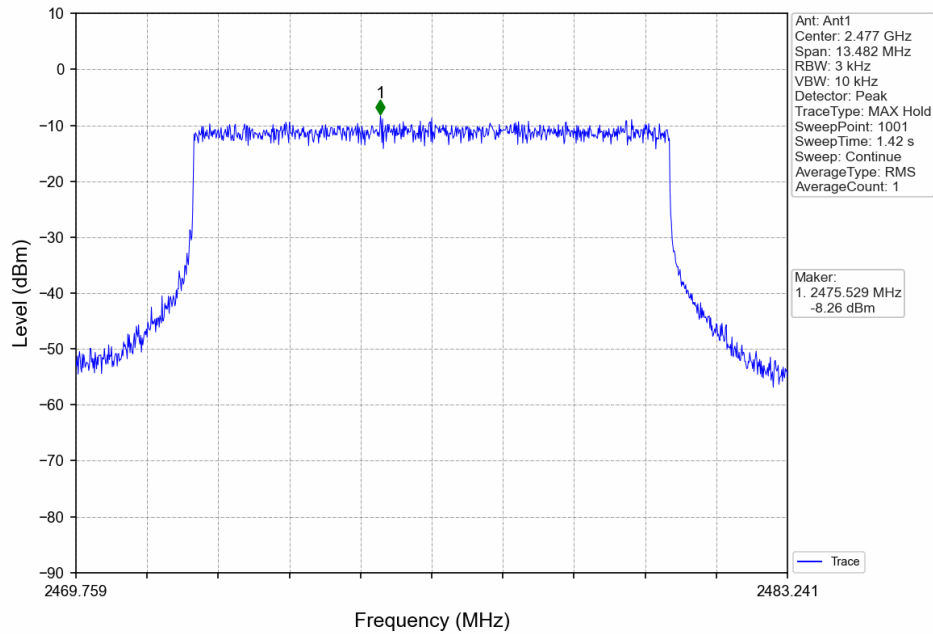
1_MCH_2441.5MHz_MIMO_NTNV



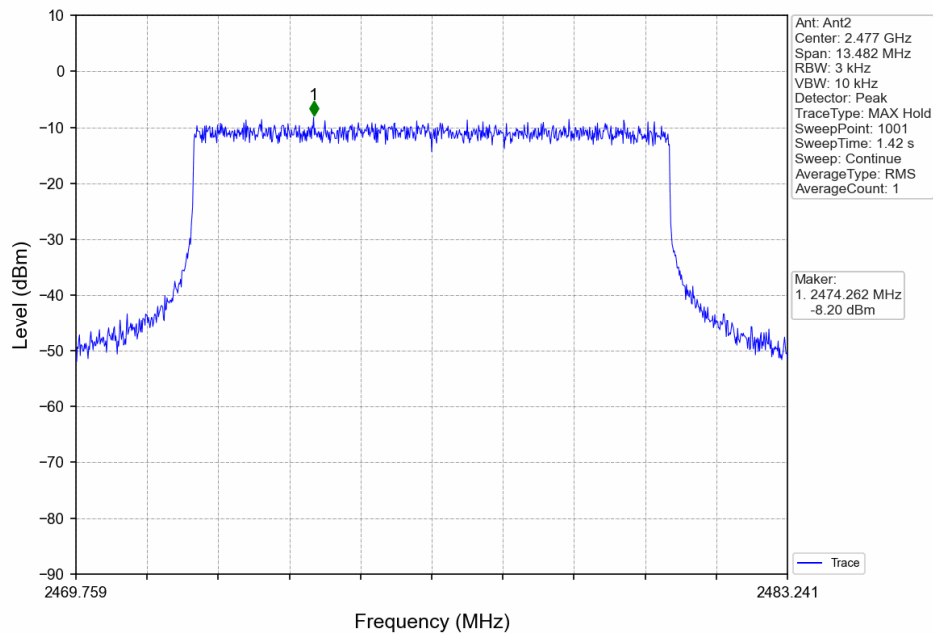
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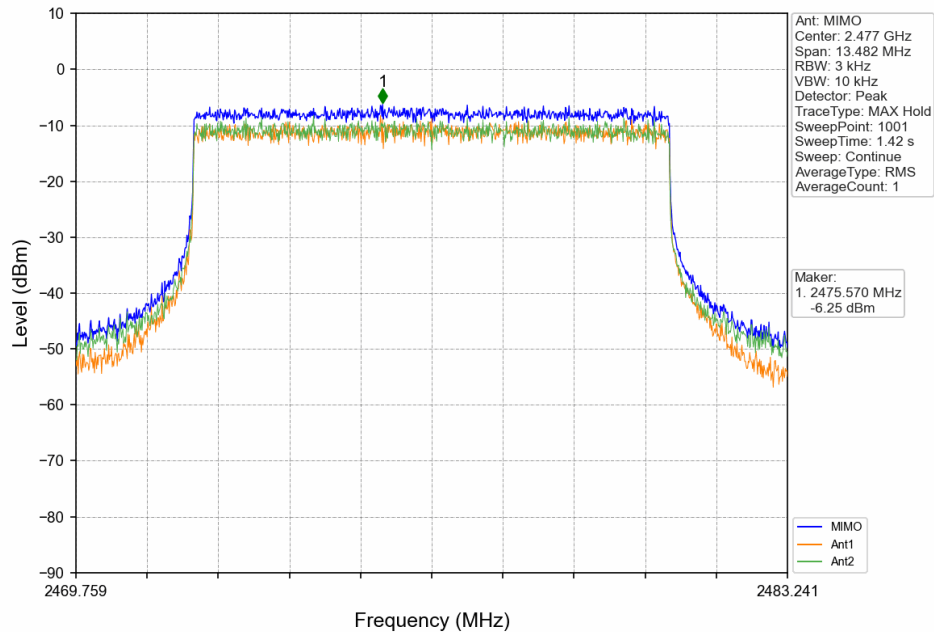
1_HCH_2476.5MHz_Ant1_NTNV



1_HCH_2476.5MHz_Ant2_NTNV



1_HCH_2476.5MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

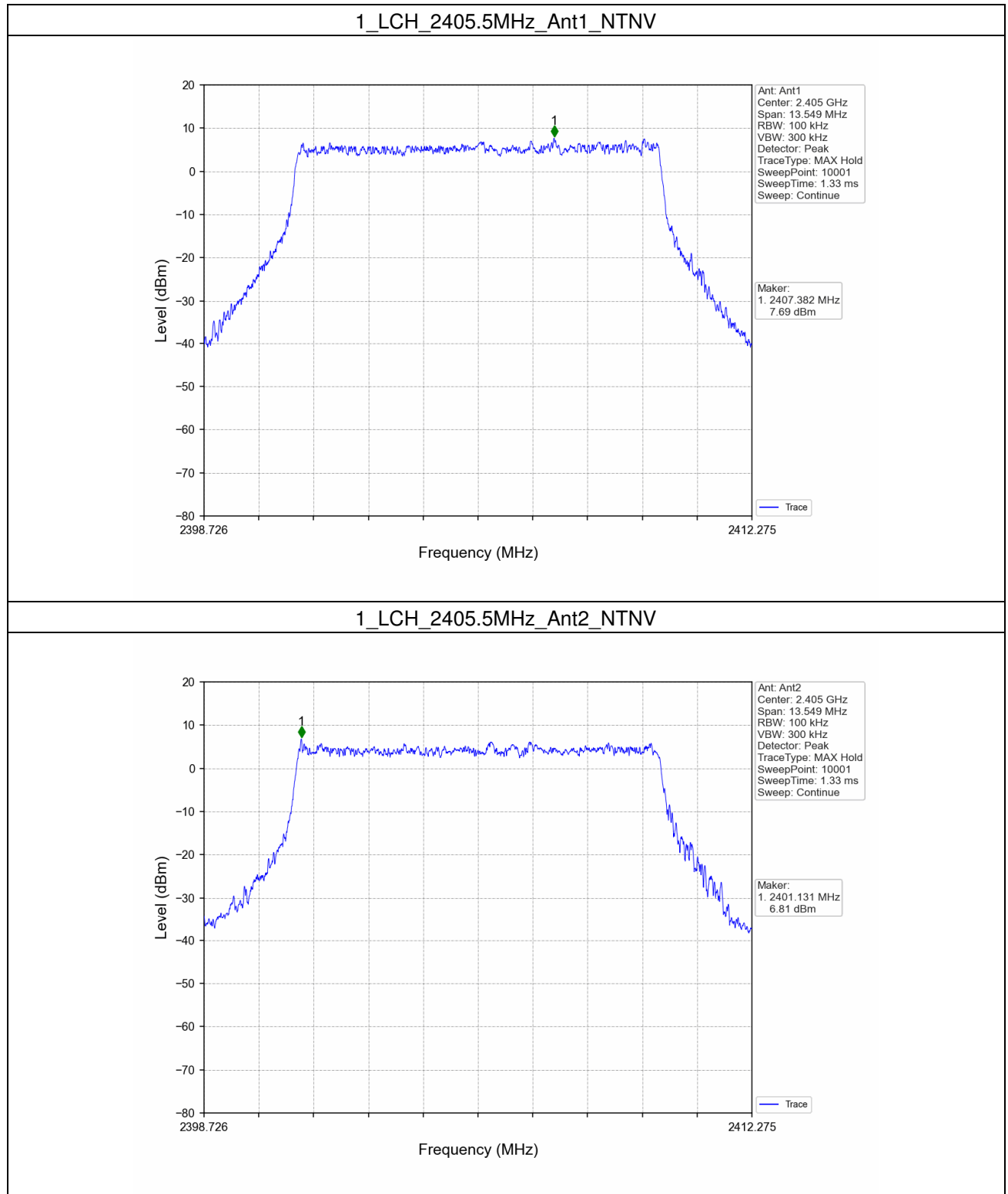
5.1 Ref

5.1.1 Test Result

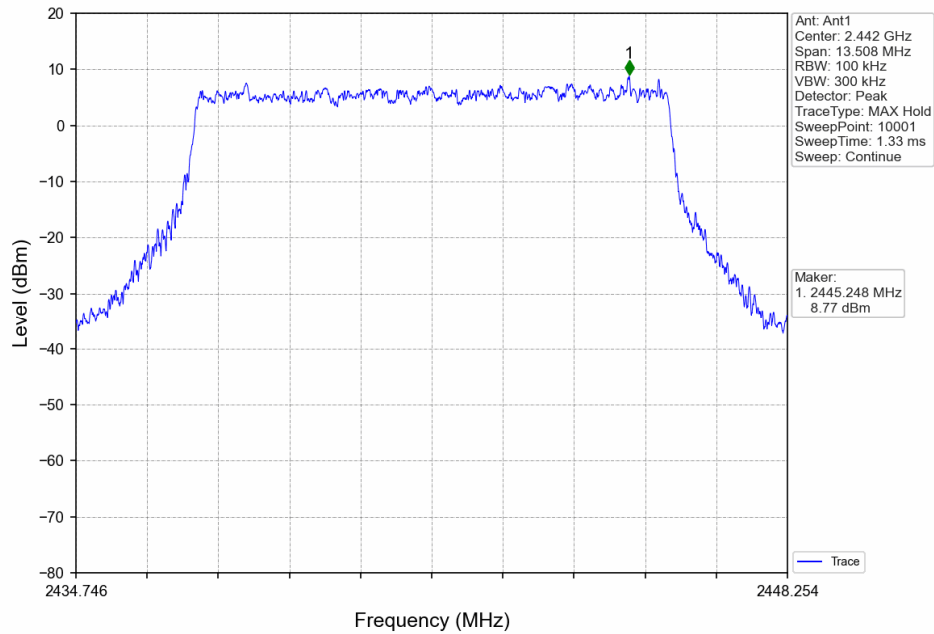
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
10M	MIMO	2405.5	1	7.69	/	/
			2	6.81	/	/
		2441.5	1	8.77	/	/
			2	6.78	/	/
		2476.5	1	7.33	/	/
			2	8.66	/	/

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.

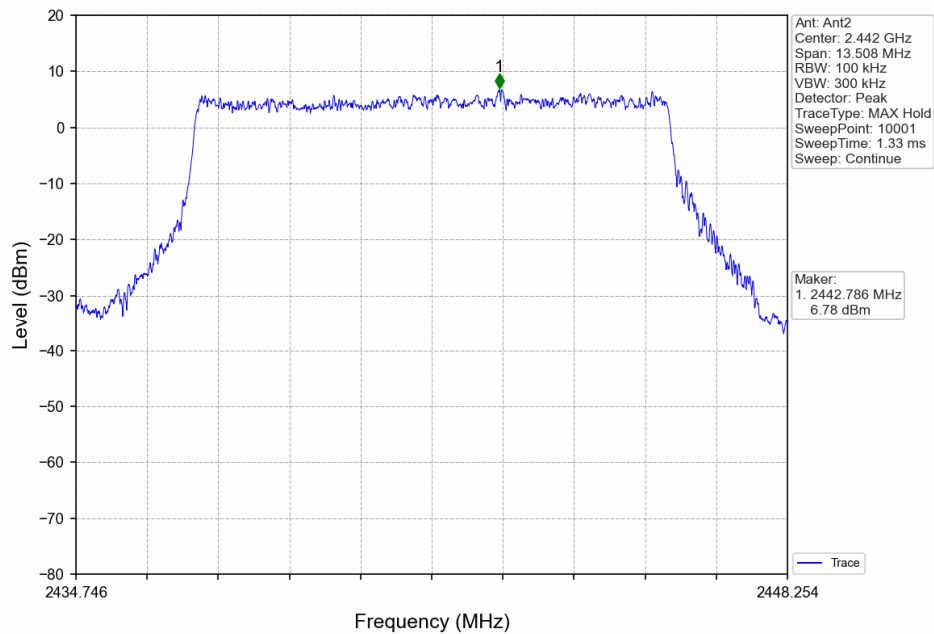
5.1.2 Test Graph



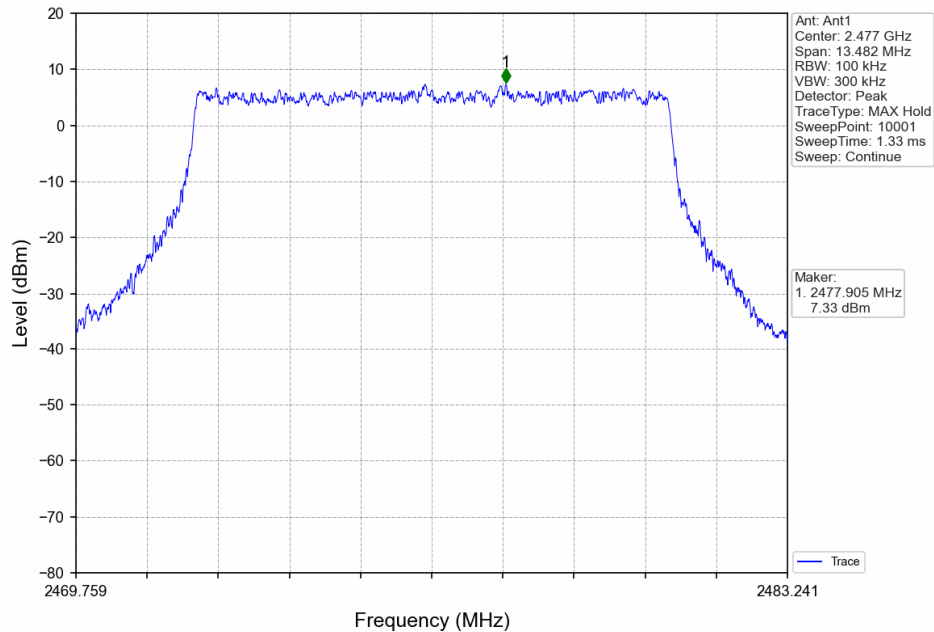
1_MCH_2441.5MHz_Ant1_NTNV



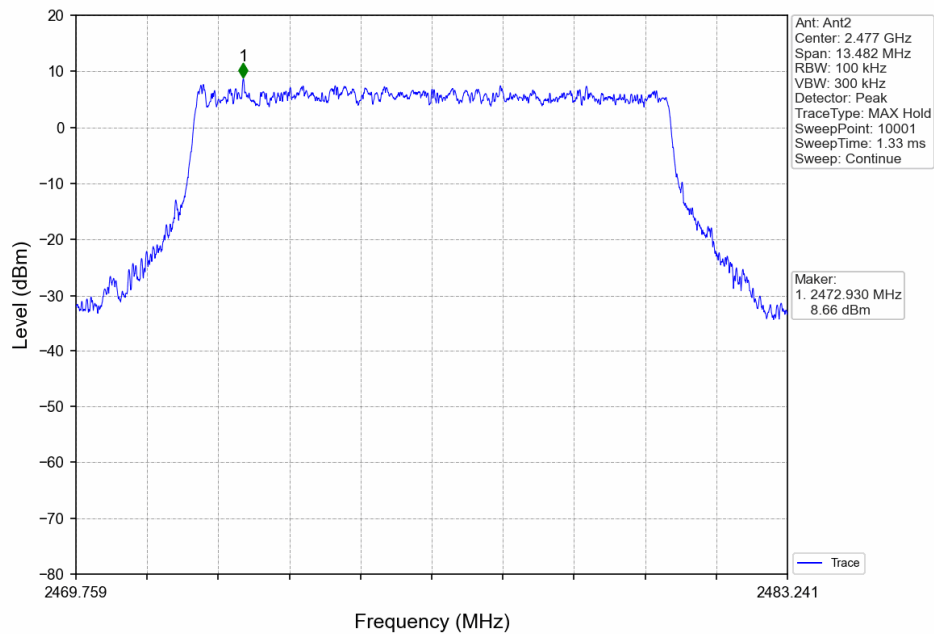
1_MCH_2441.5MHz_Ant2_NTNV



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.