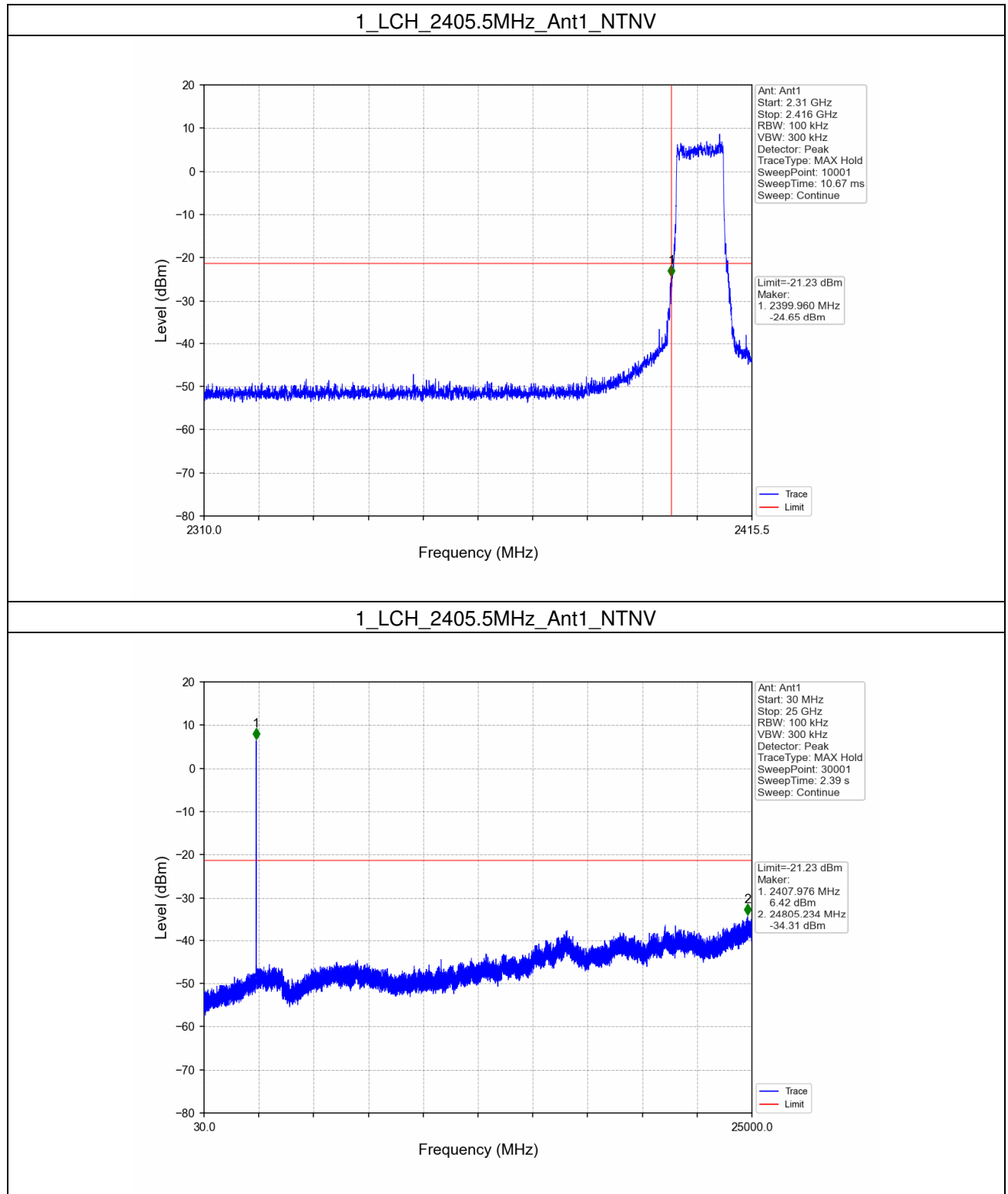
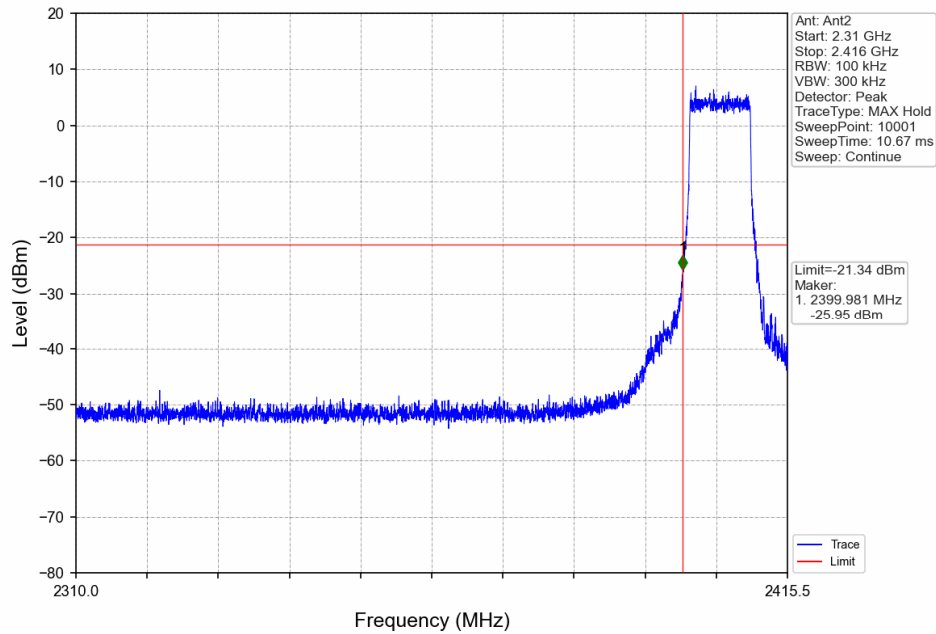


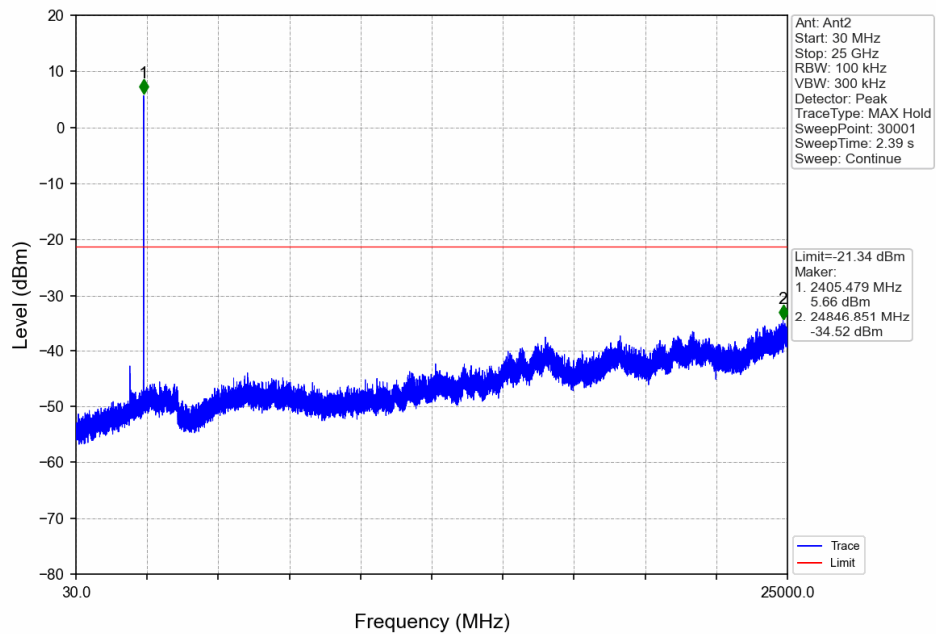
5.2.2 Test Graph



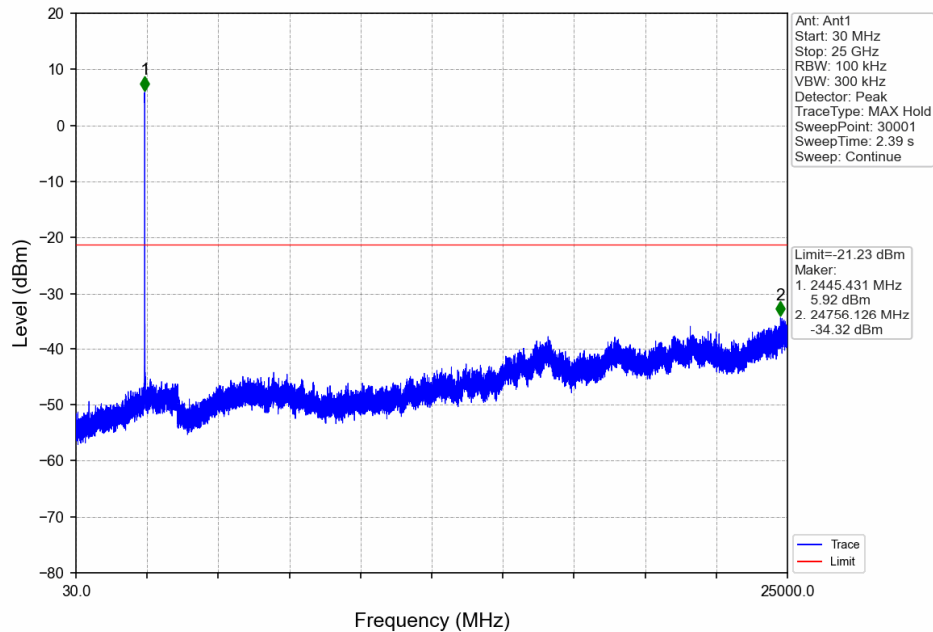
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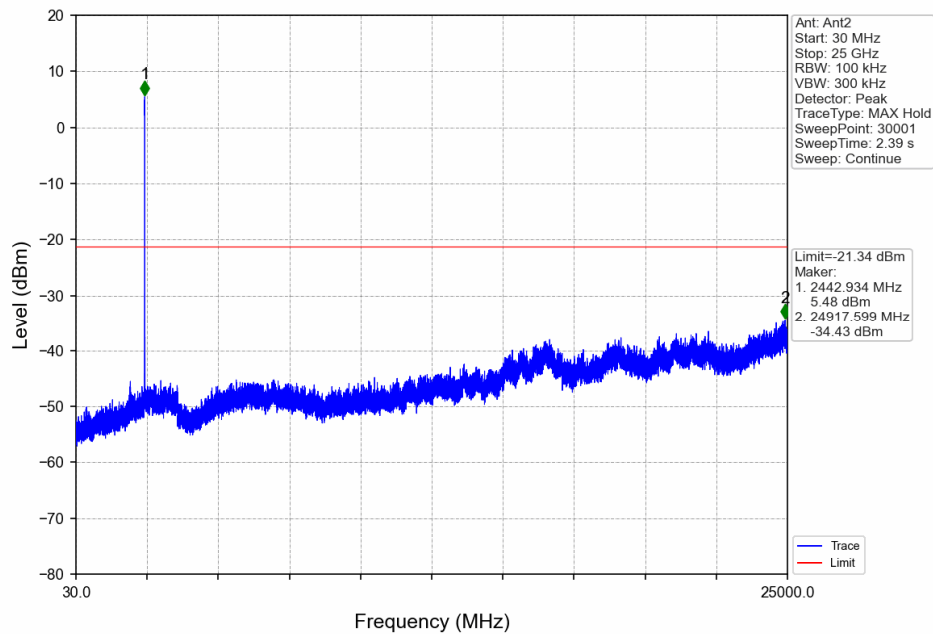
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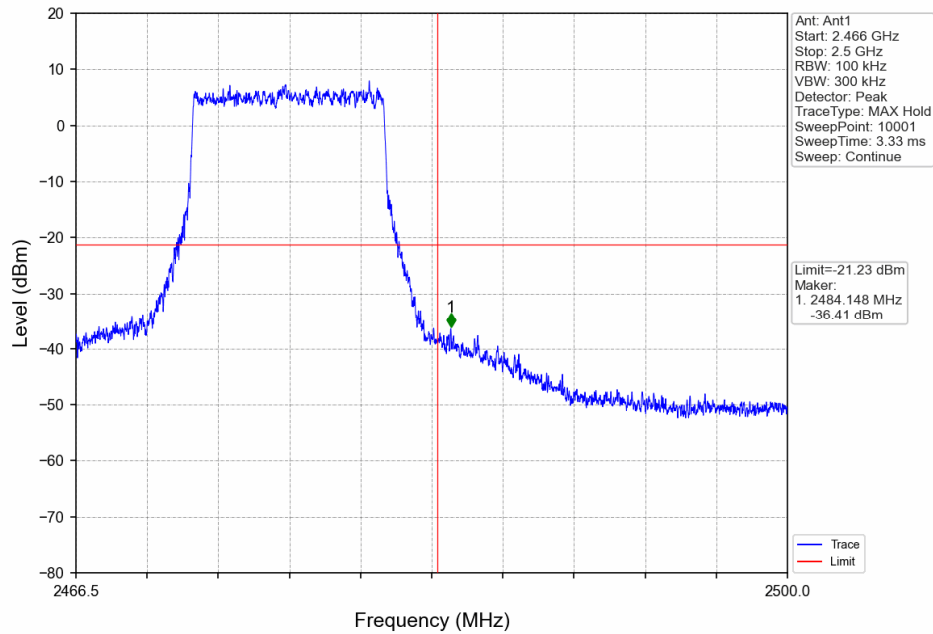
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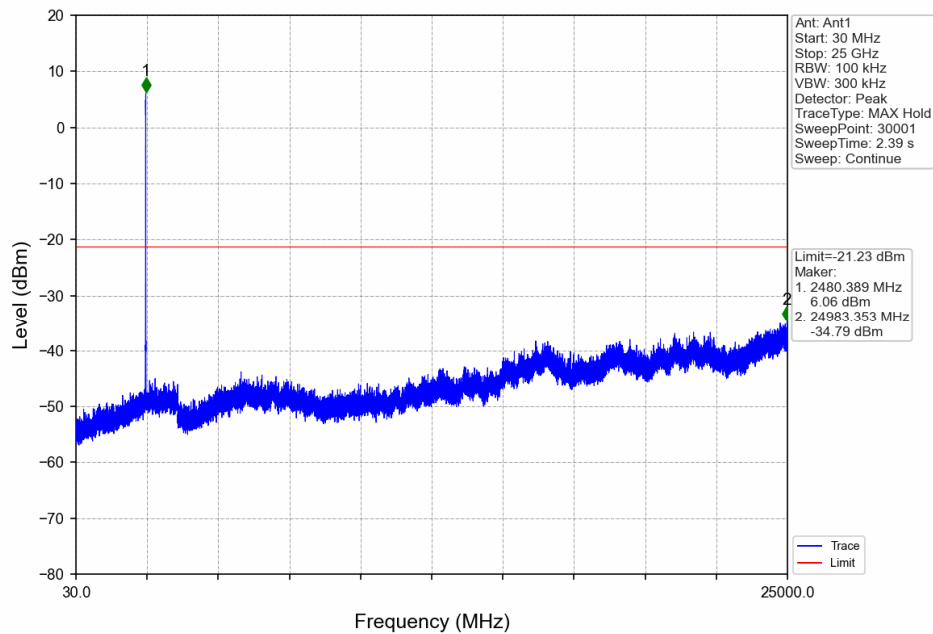
1_MCH_2441.5MHz_Ant2_NTNV



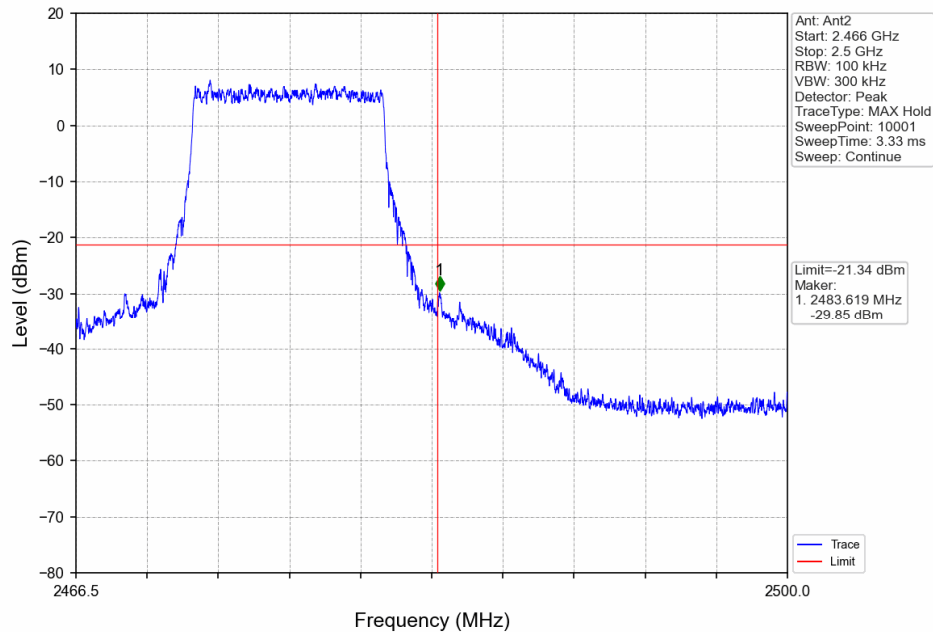
1_HCH_2476.5MHz_Ant1_NTNV



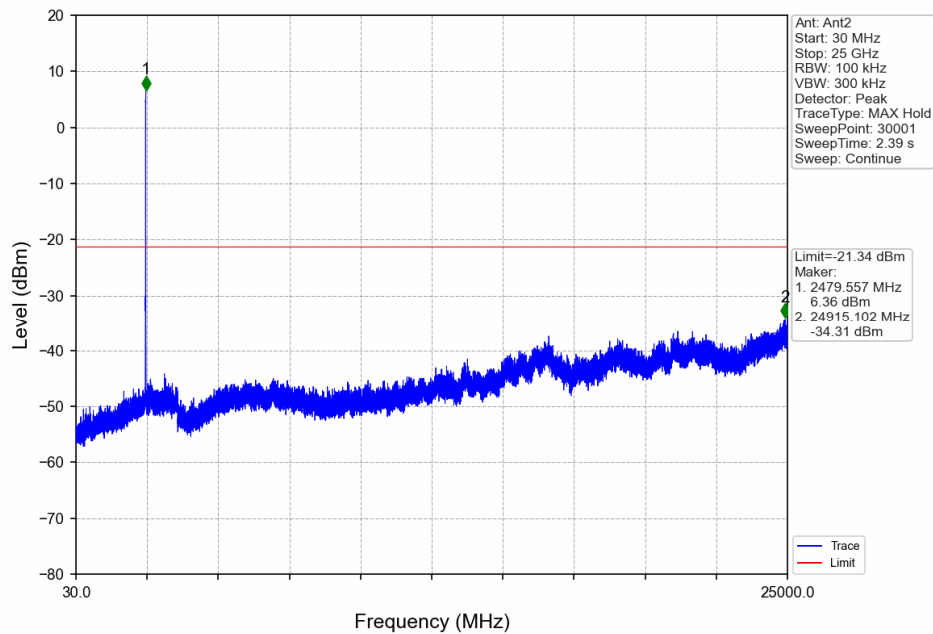
1_HCH_2476.5MHz_Ant1_NTNV



1_HCH_2476.5MHz_Ant2_NTNV



1_HCH_2476.5MHz_Ant2_NTNV



20MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

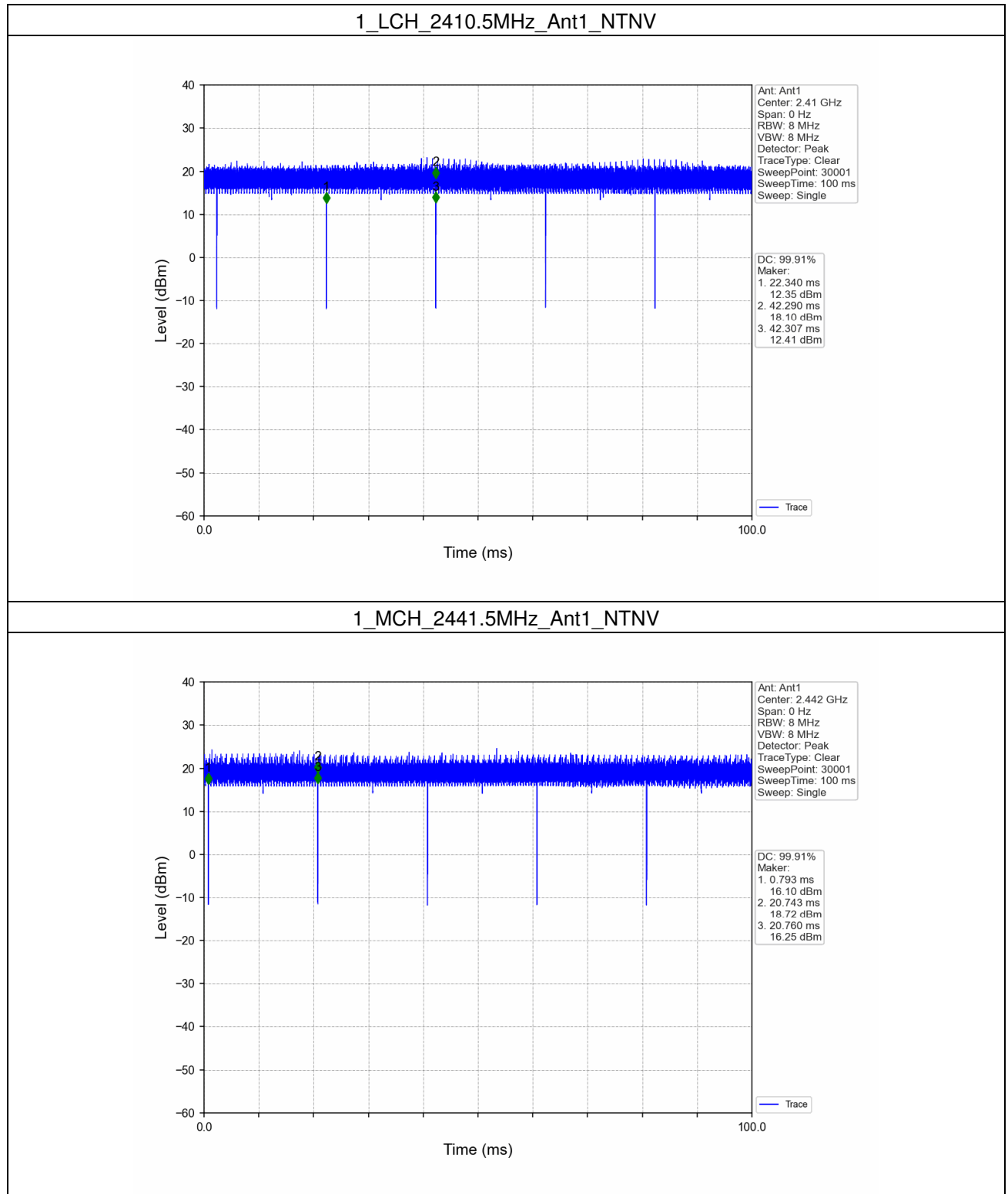
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
20M	MIMO	2410.5	19.95	19.97	99.91	0.00	0.02
		2441.5	19.95	19.97	99.91	0.00	0.00
		2472.5	19.95	19.97	99.91	0.00	0.00



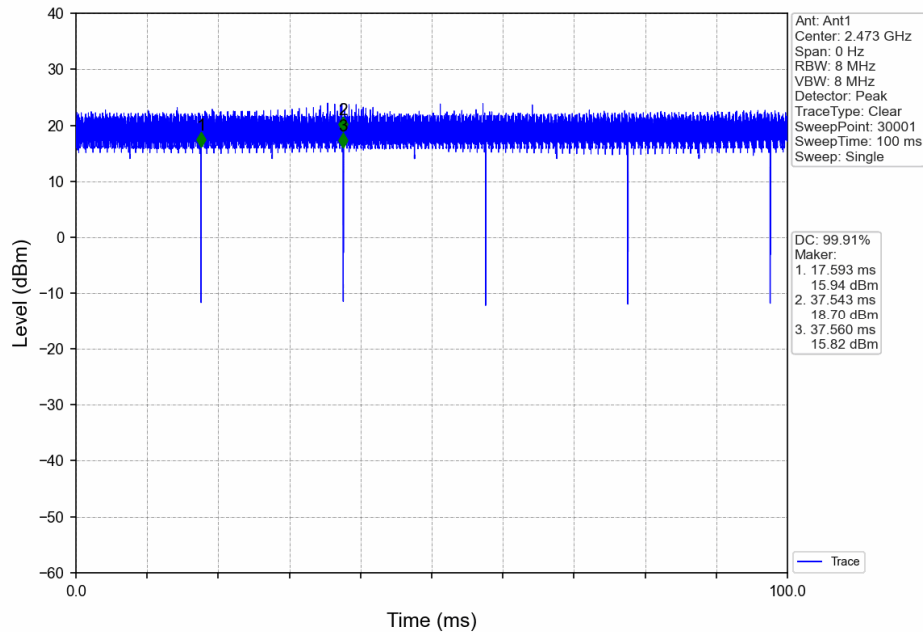
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1.1.2 Test Graph



1_HCH_2472.5MHz_Ant1_NTNV



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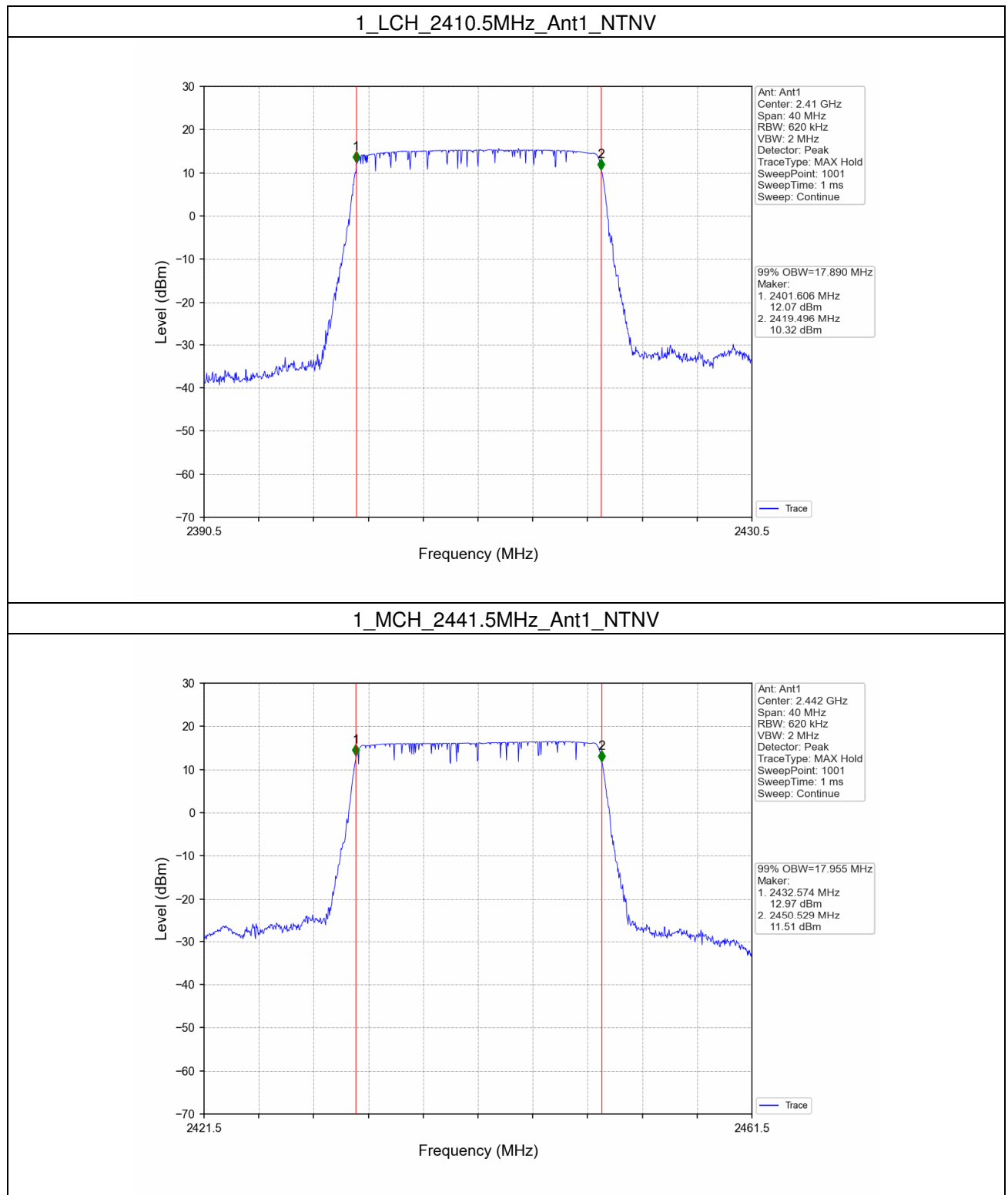
2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
20M	MIMO	2410.5	1	17.89	/	Pass
		2441.5	1	17.95	/	Pass
		2472.5	1	17.92	/	Pass

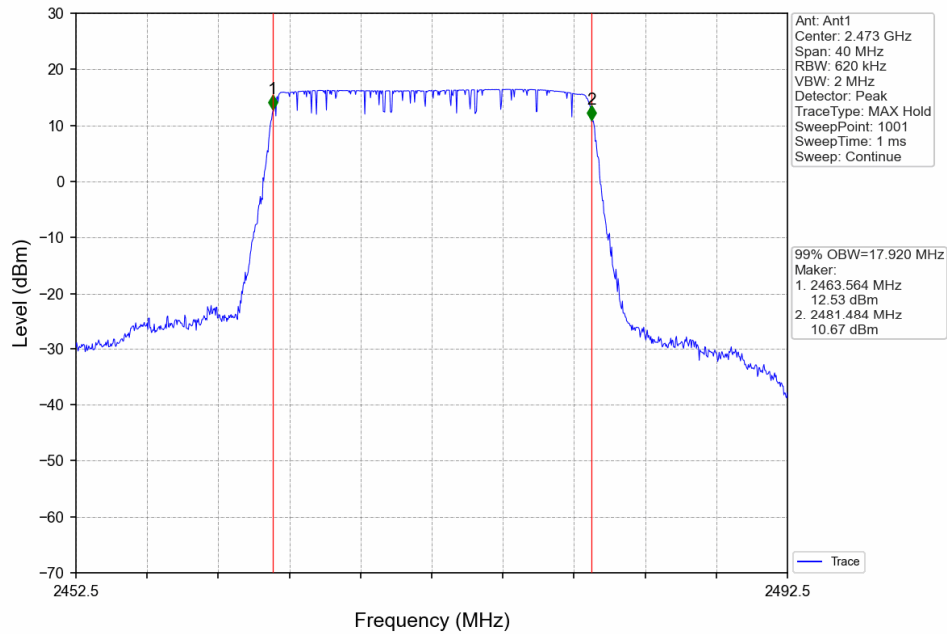
2.1.2 Test Graph



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1_HCH_2472.5MHz_Ant1_NTNV



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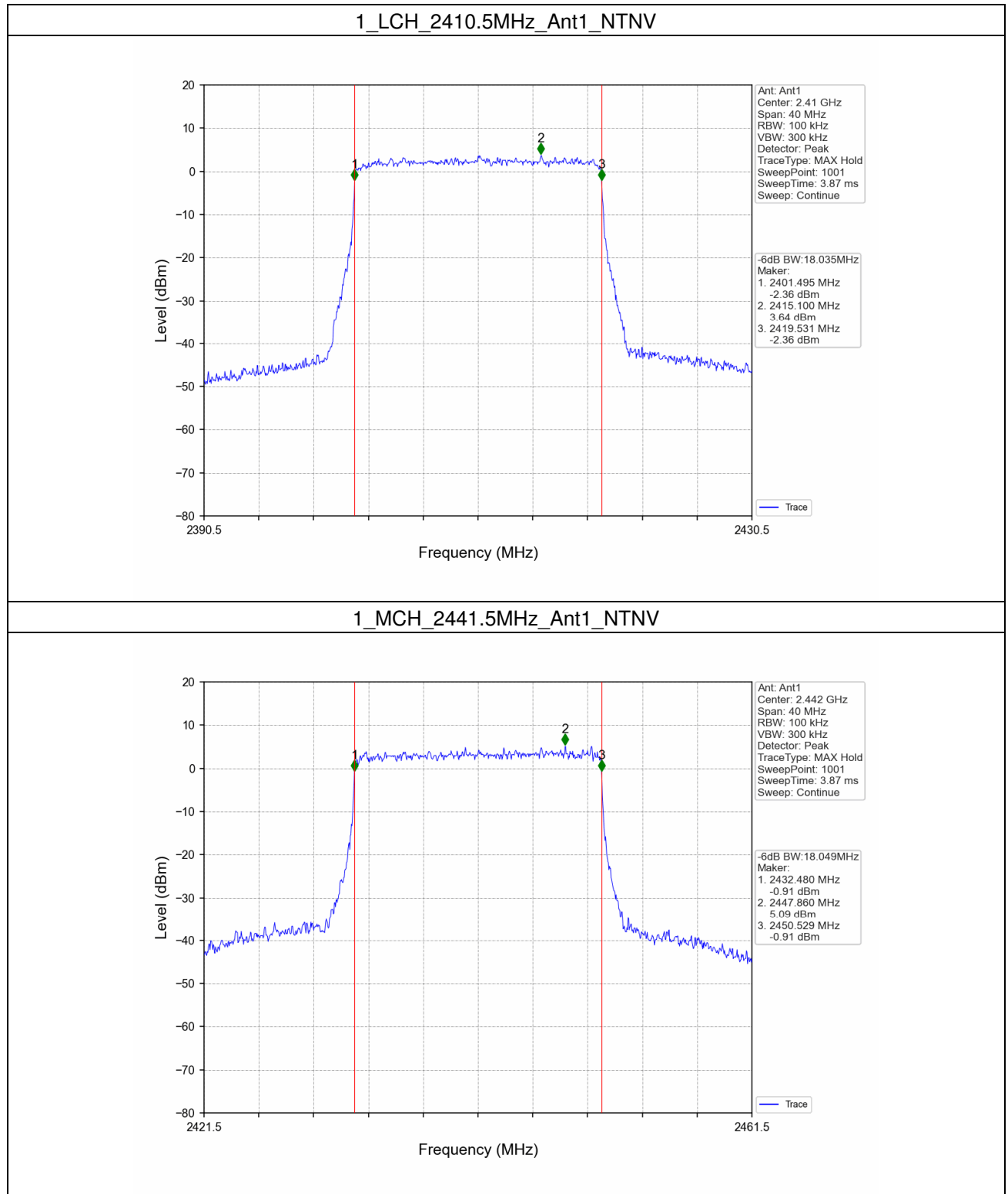
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

2.2 6dB BW

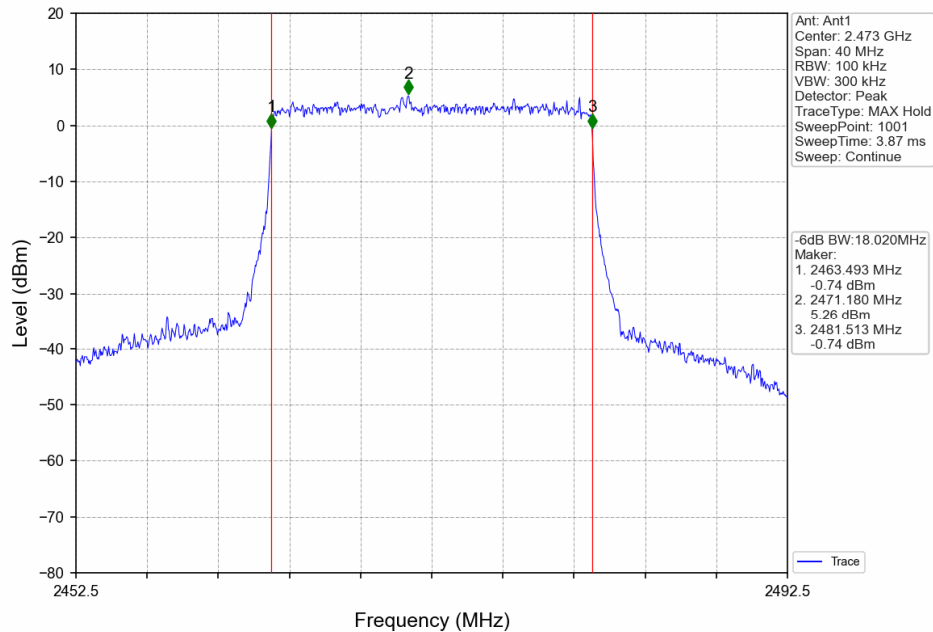
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
20M	MIMO	2410.5	1	18.04	≥ 0.5	Pass
		2441.5	1	18.05	≥ 0.5	Pass
		2472.5	1	18.02	≥ 0.5	Pass

2.2.2 Test Graph



1_HCH_2472.5MHz_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	
20M	SISO	2410.5	15.07	<=30	Pass
		2441.5	15.42	<=30	Pass
		2472.5	15.48	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Antenna 2:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
20M	SISO	2410.5	14.89	<=30	Pass
		2441.5	15.18	<=30	Pass
		2472.5	15.77	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
20M	MIMO	2410.5	15.53	16.60	19.11	<=29.9	Pass
		2441.5	16.59	16.82	19.72	<=29.9	Pass
		2472.5	15.70	16.46	19.11	<=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:

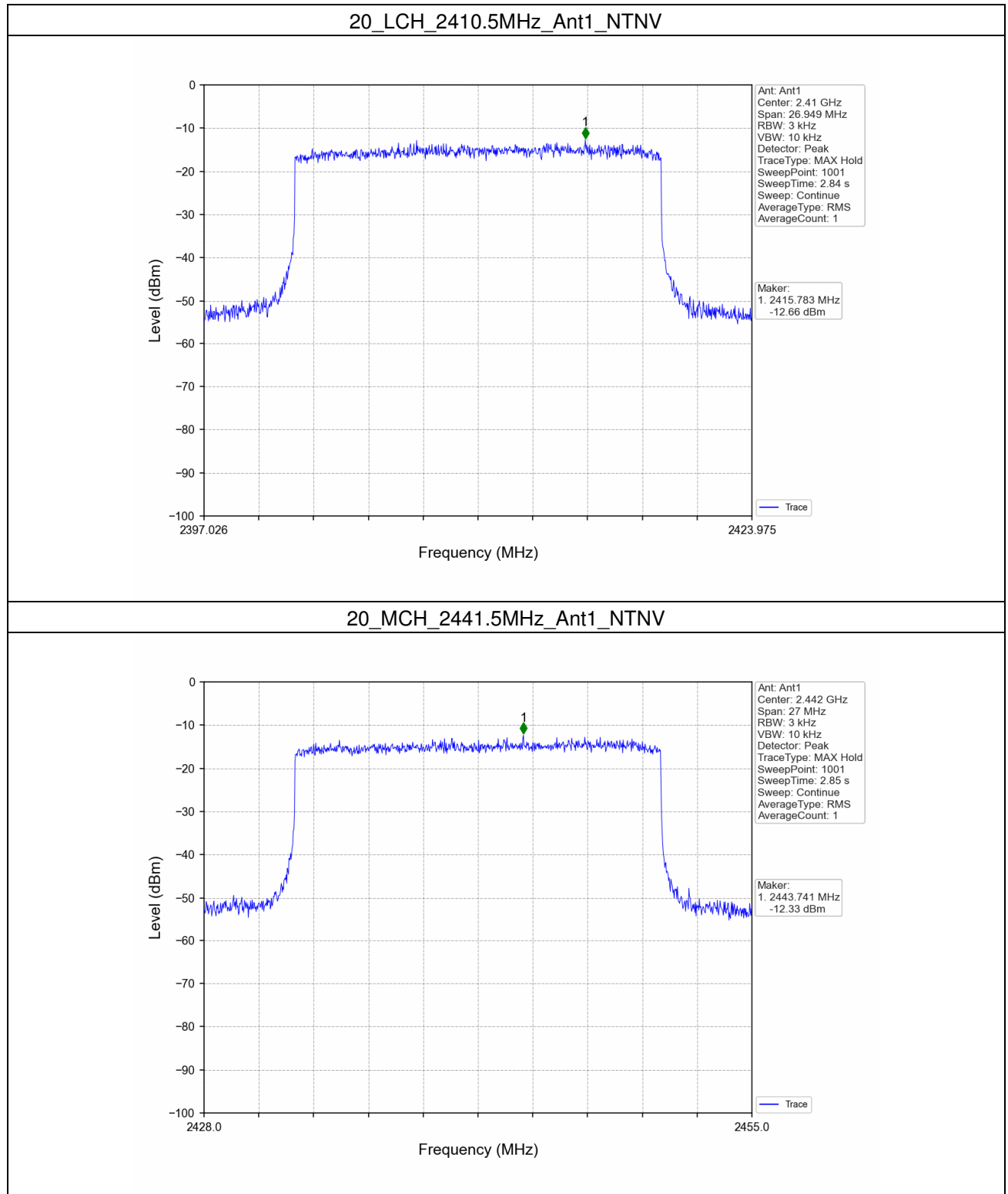
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
20M	SISO	2410.5	-12.66	<=8	Pass
		2441.5	-12.33	<=8	Pass
		2472.5	-12.72	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

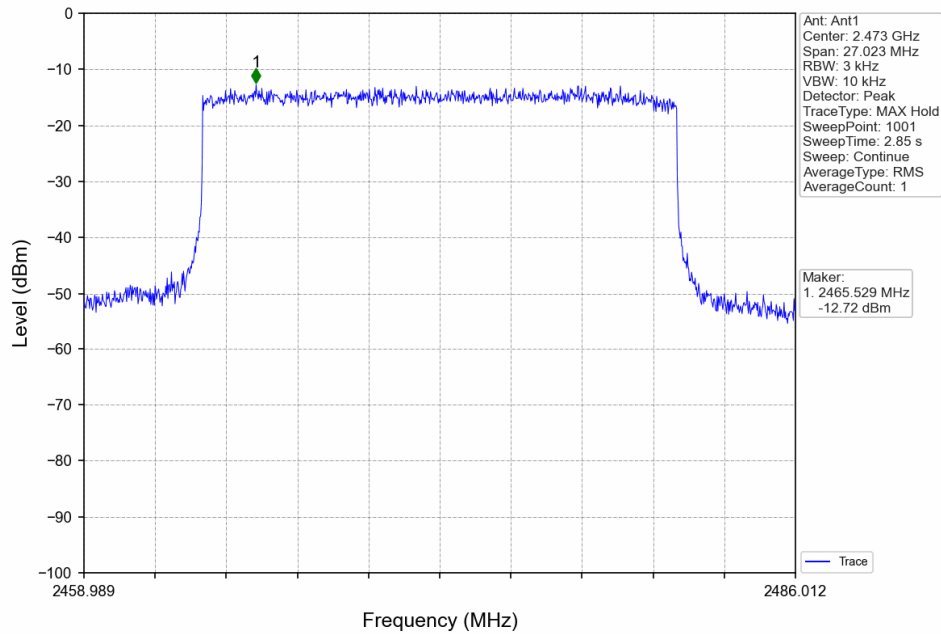
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
20M	SISO	2410.5	-12.96	<=8	Pass
		2441.5	-13.19	<=8	Pass
		2472.5	-12.04	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
			Ant1	Ant2	Sum		
20M	MIMO	2410.5	-11.40	-10.23	-7.77	<=8	Pass
		2441.5	-12.34	-10.86	-8.81	<=8	Pass
		2472.5	-12.92	-11.39	-9.71	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;							

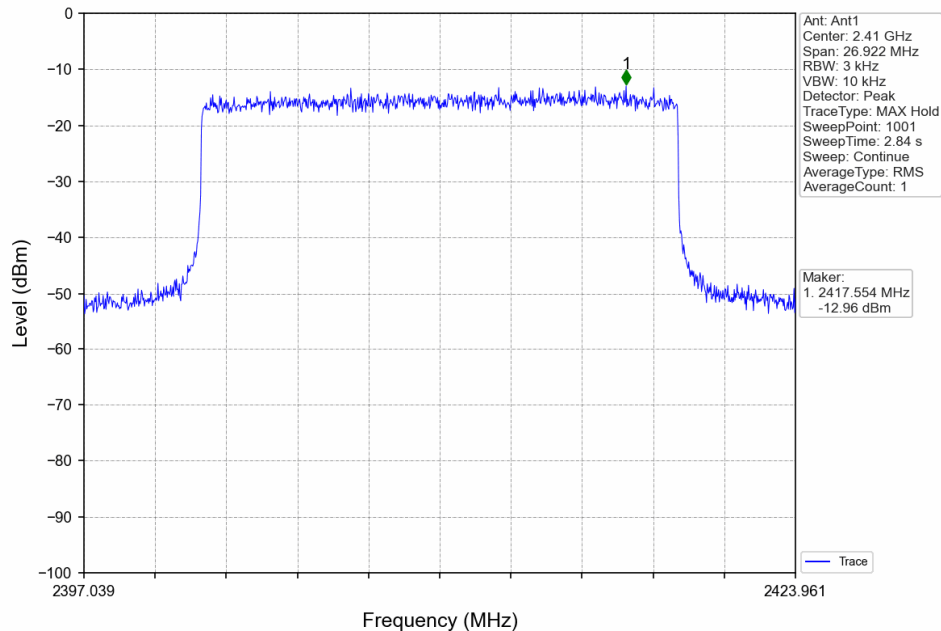
4.1.2 Test Graph



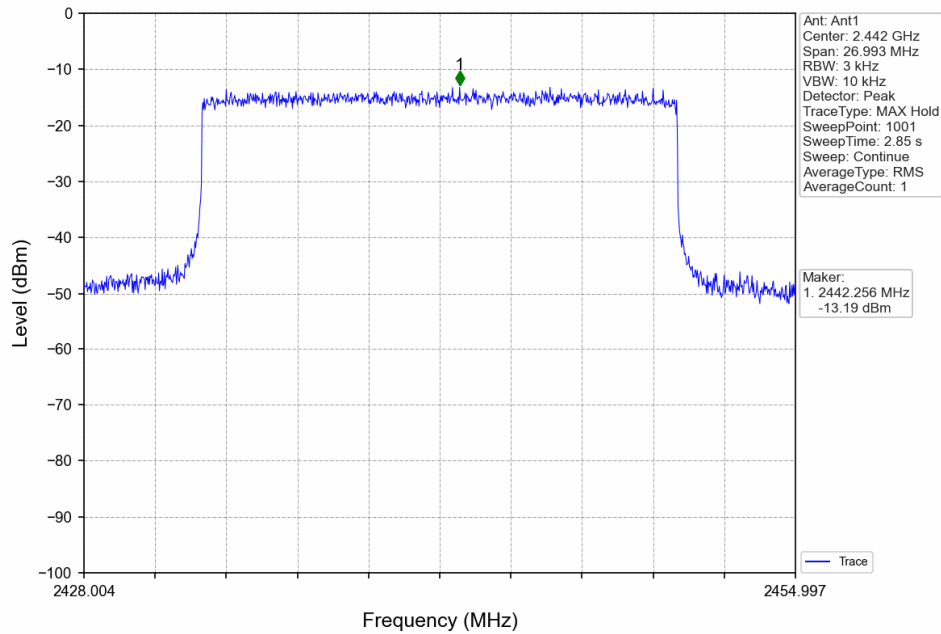
20_HCH_2472.5MHz_Ant1_NTNV



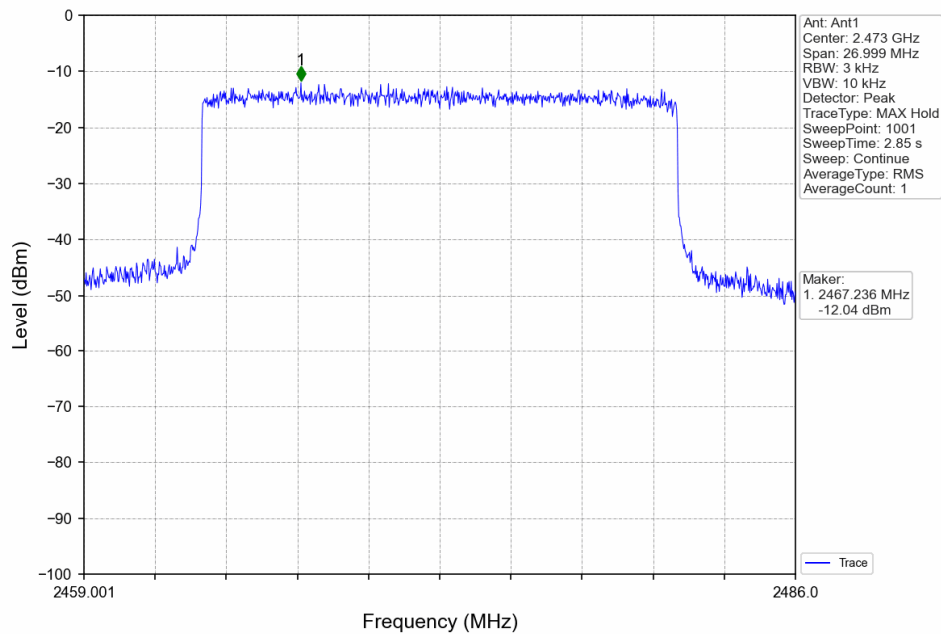
20_LCH_2410.5MHz_Ant2_NTNV



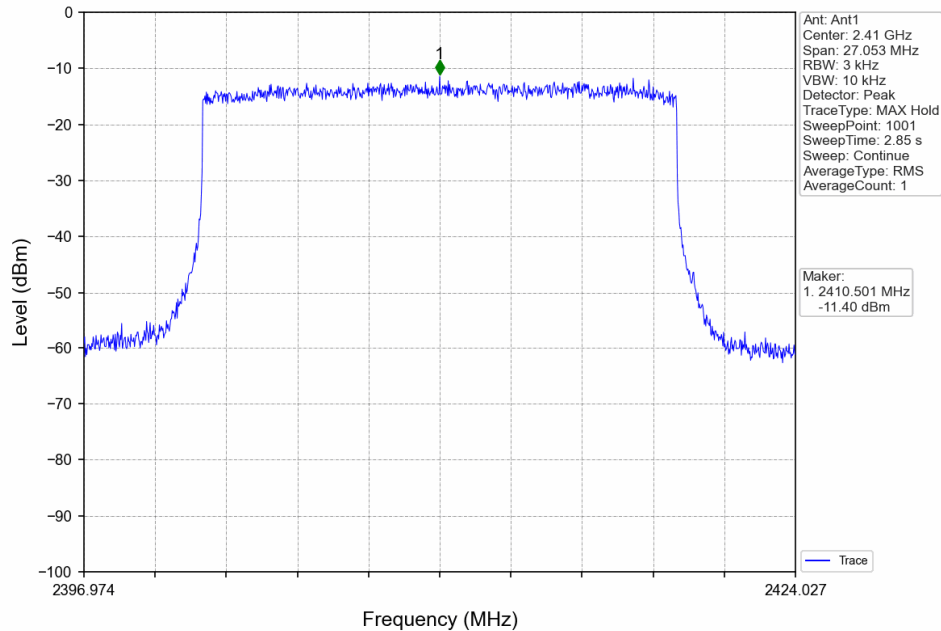
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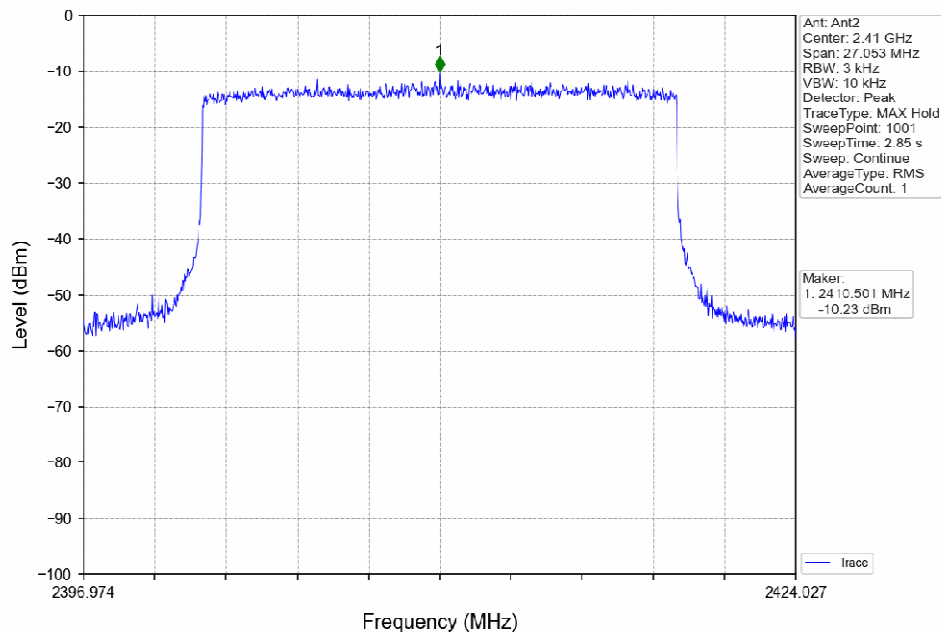
20_HCH_2472.5MHz_Ant2_NTNV



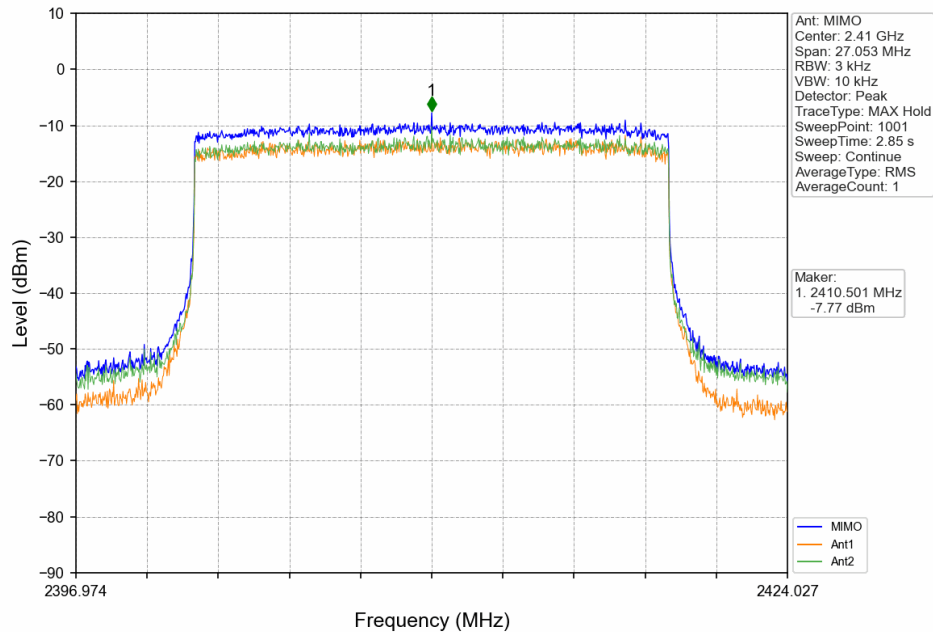
1_LCH_2410.5MHz_Ant1_NTNV



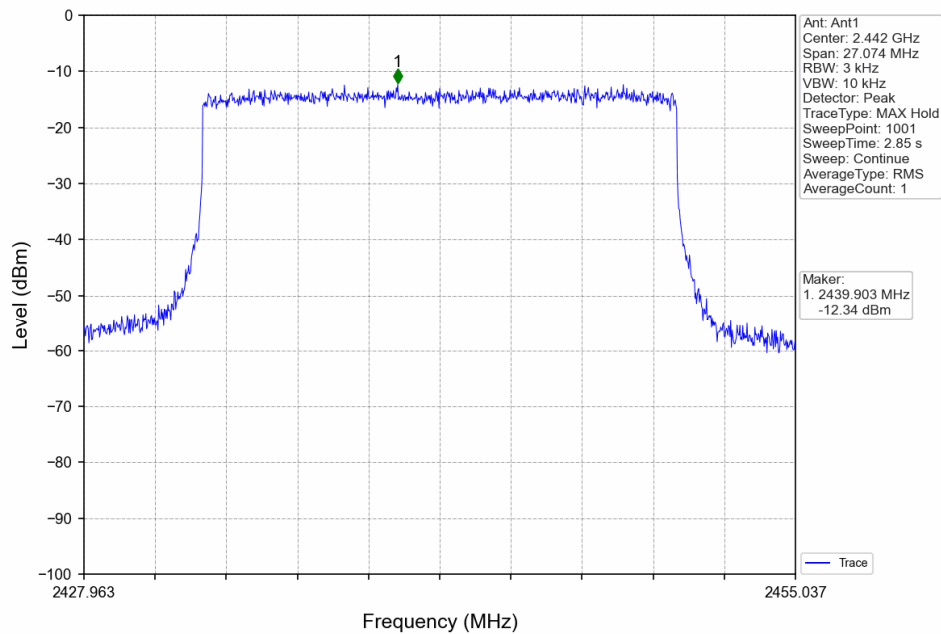
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1_LCH_2410.5MHz_MIMO_NTNV



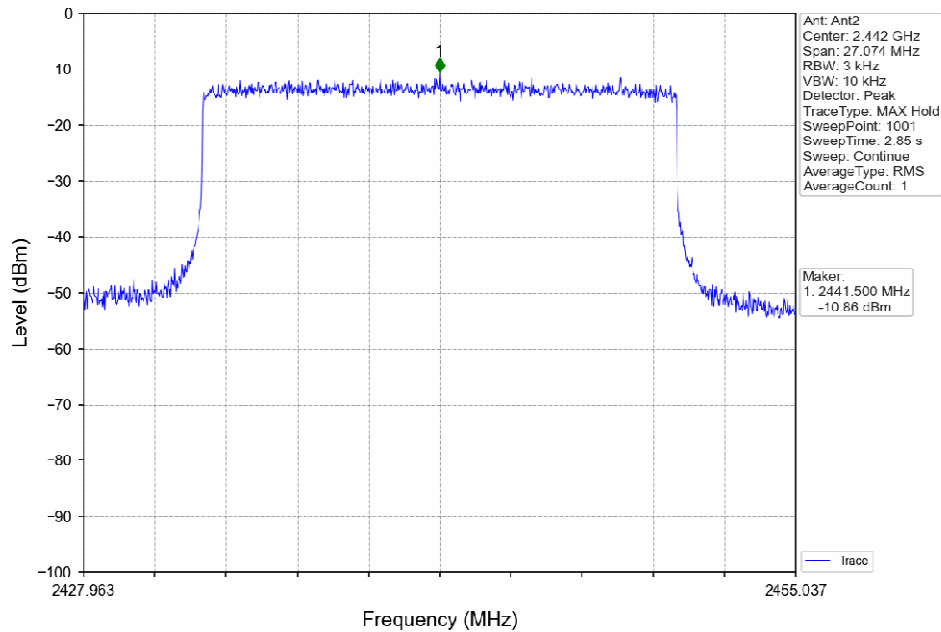
1_MCH_2441.5MHz_Ant1_NTNV



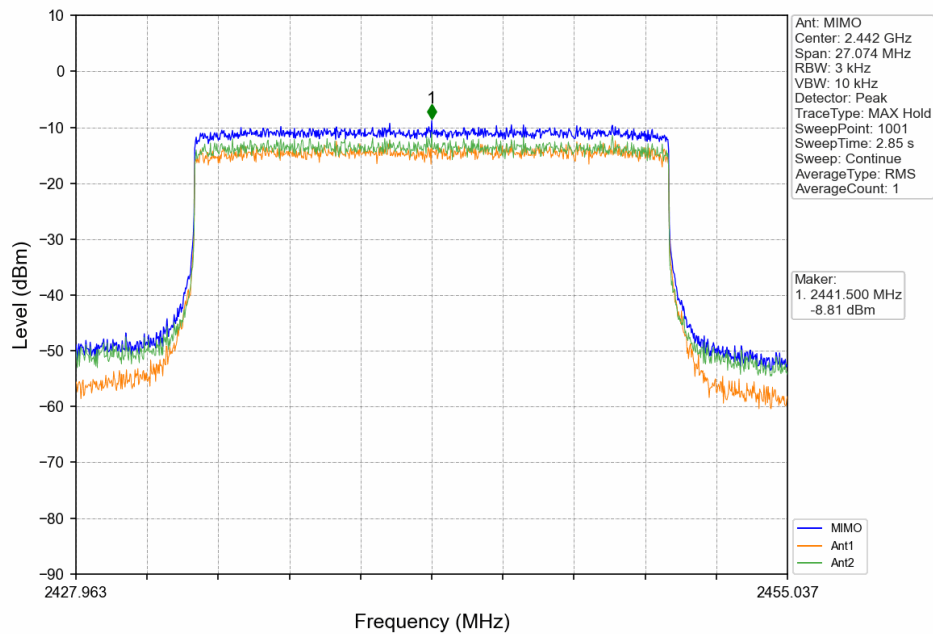
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1_MCH_2441.5MHz_Ant2_NTNV

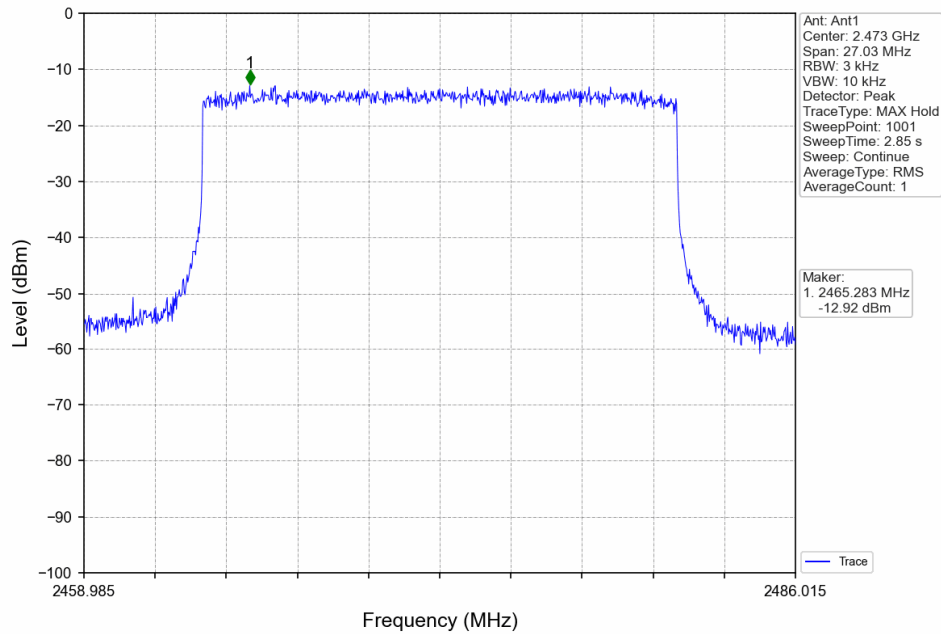


1_MCH_2441.5MHz_MIMO_NTNV

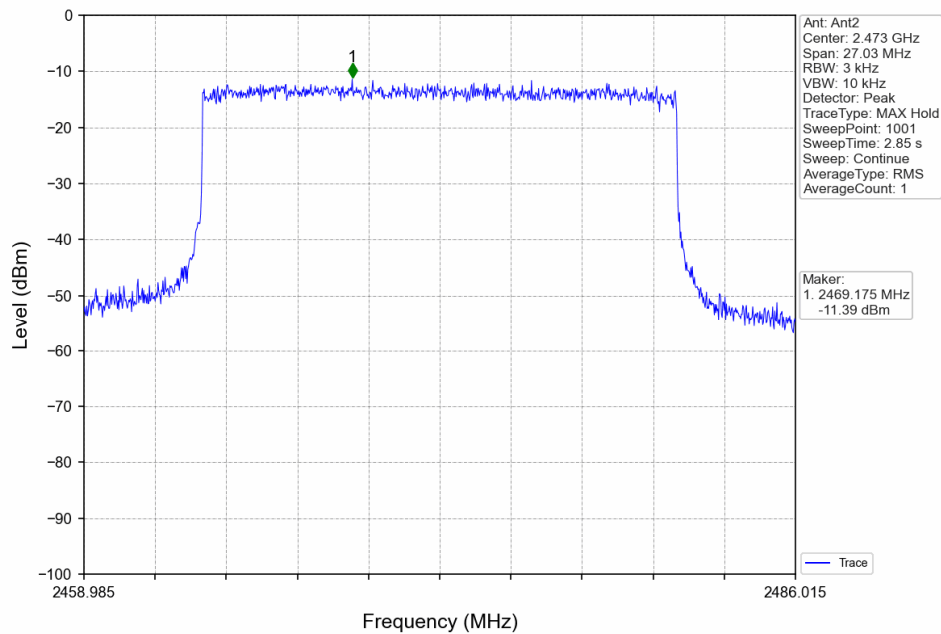


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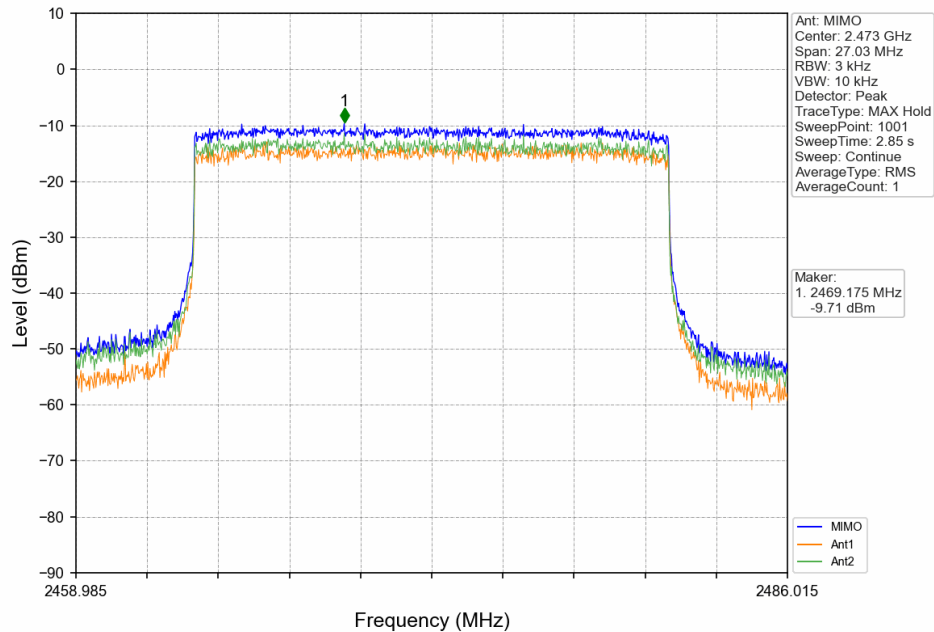
1_HCH_2472.5MHz_Ant1_NTNV



1_HCH_2472.5MHz_Ant2_NTNV



1_HCH_2472.5MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

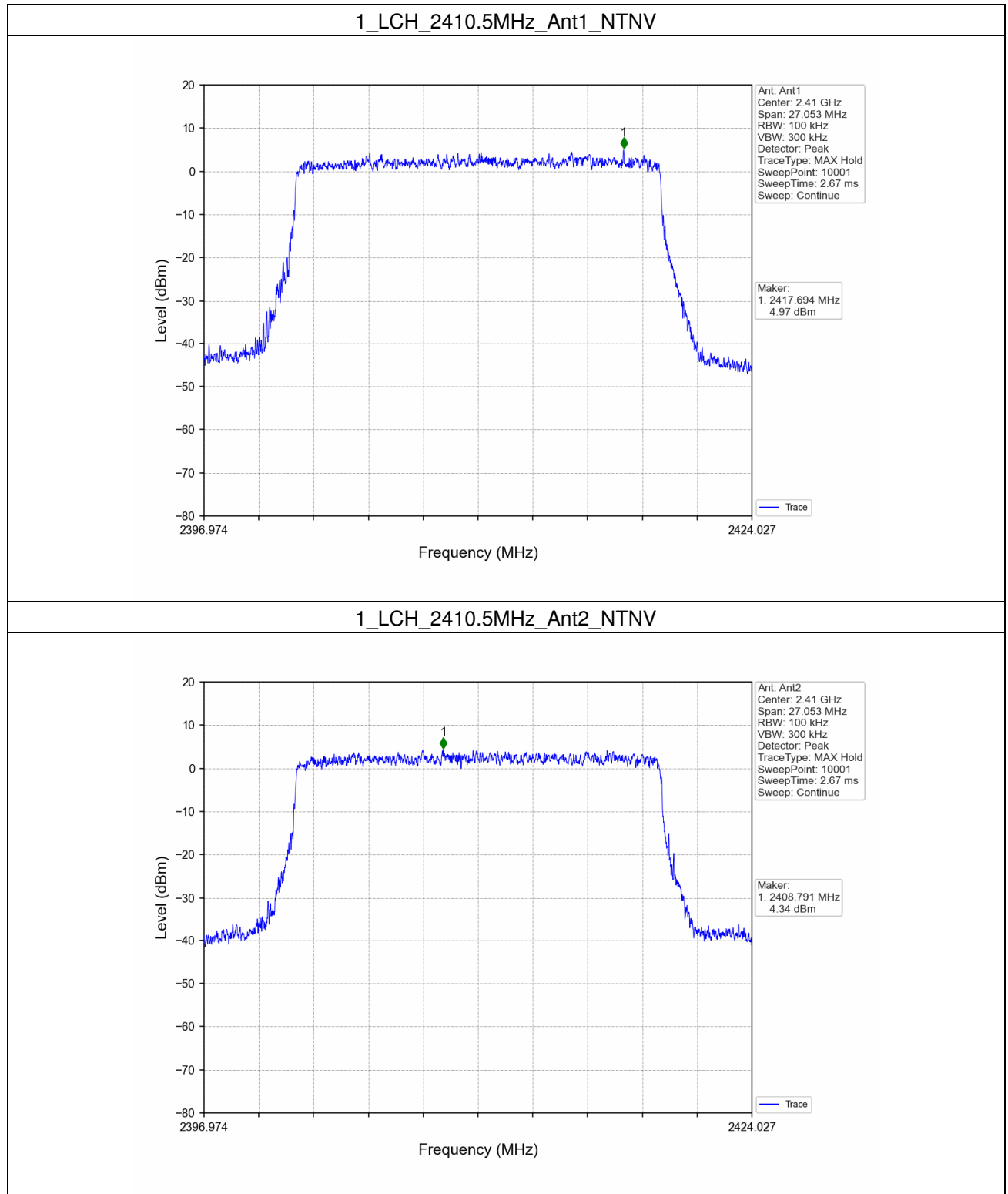
5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
20M	MIMO	2410.5	1	4.97	/	/
			2	4.34	/	/
		2441.5	1	4.93	/	/
			2	4.42	/	/
		2472.5	1	4.84	/	/
			2	5.17	/	/

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.

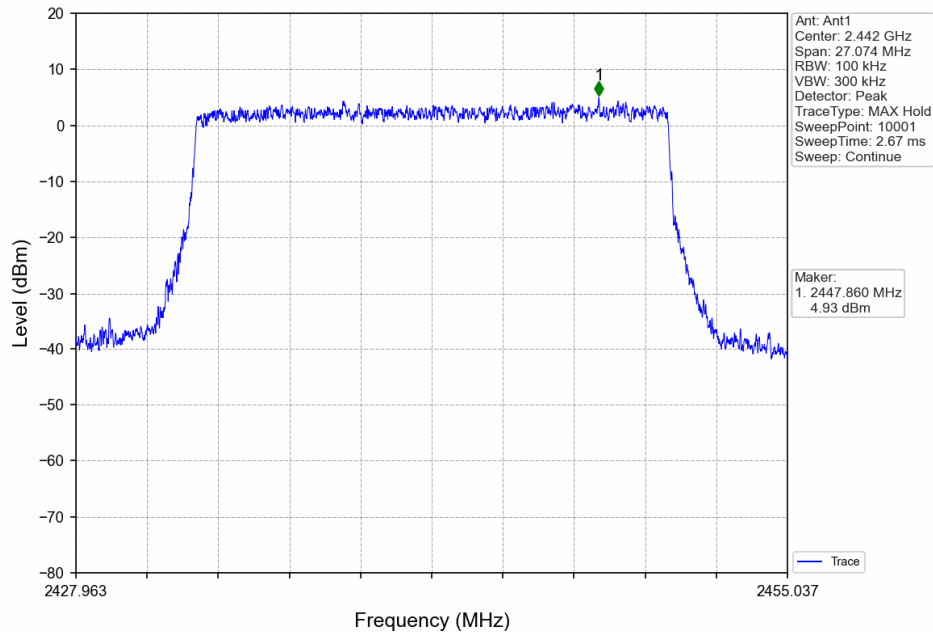
5.1.2 Test Graph



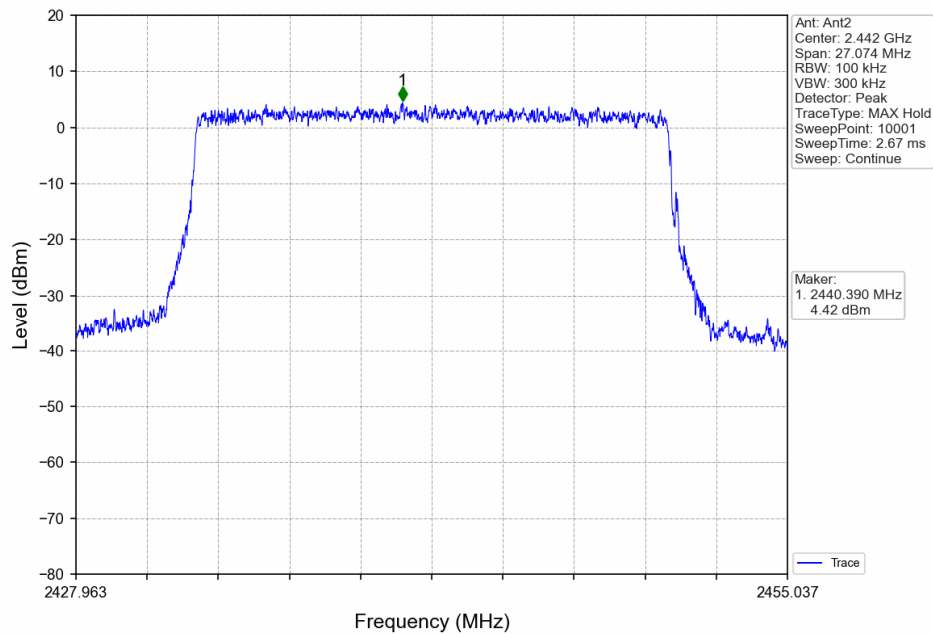
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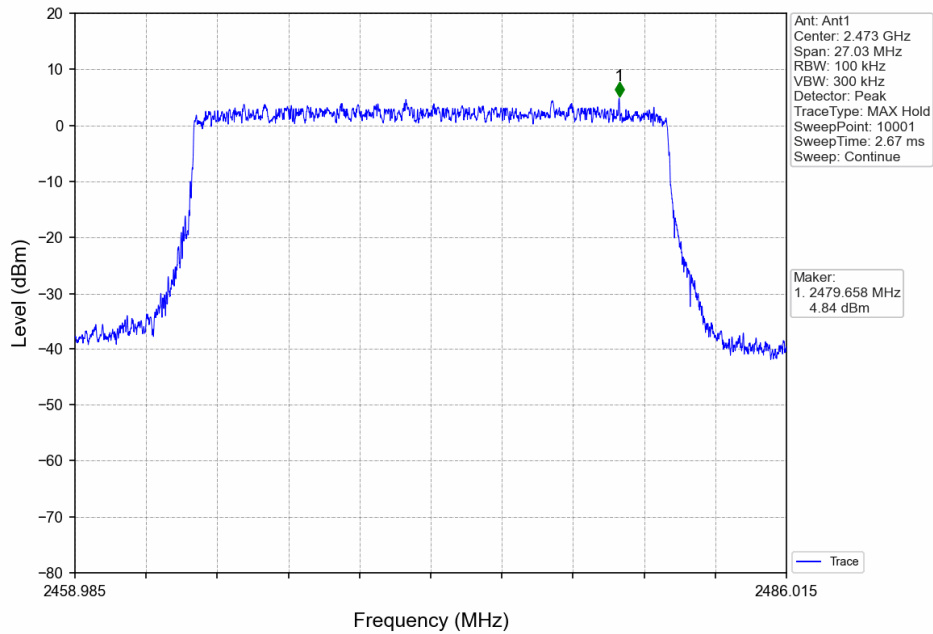
1_MCH_2441.5MHz_Ant1_NTNV



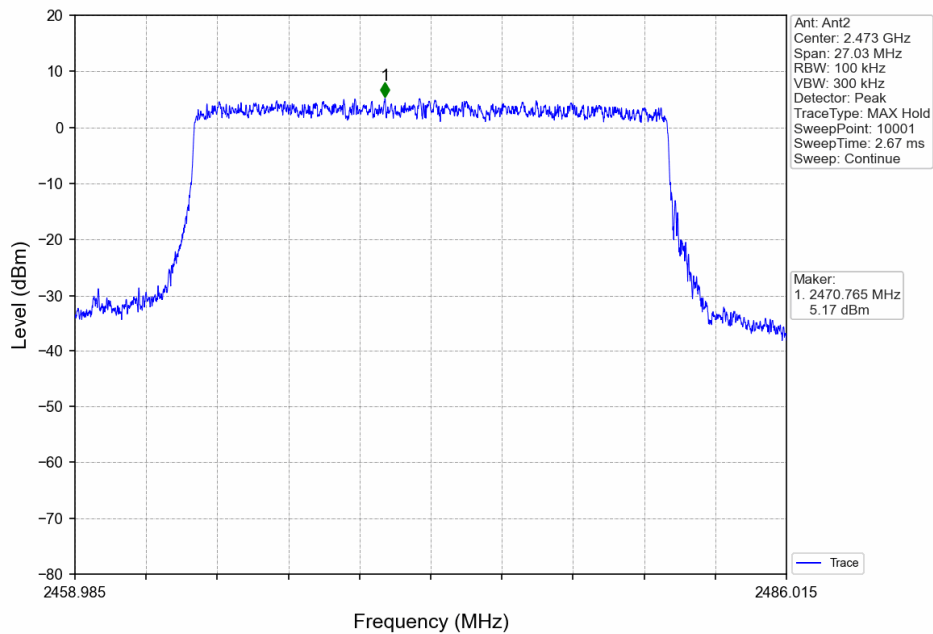
1_MCH_2441.5MHz_Ant2_NTNV



1_HCH_2472.5MHz_Ant1_NTNV



1_HCH_2472.5MHz_Ant2_NTNV



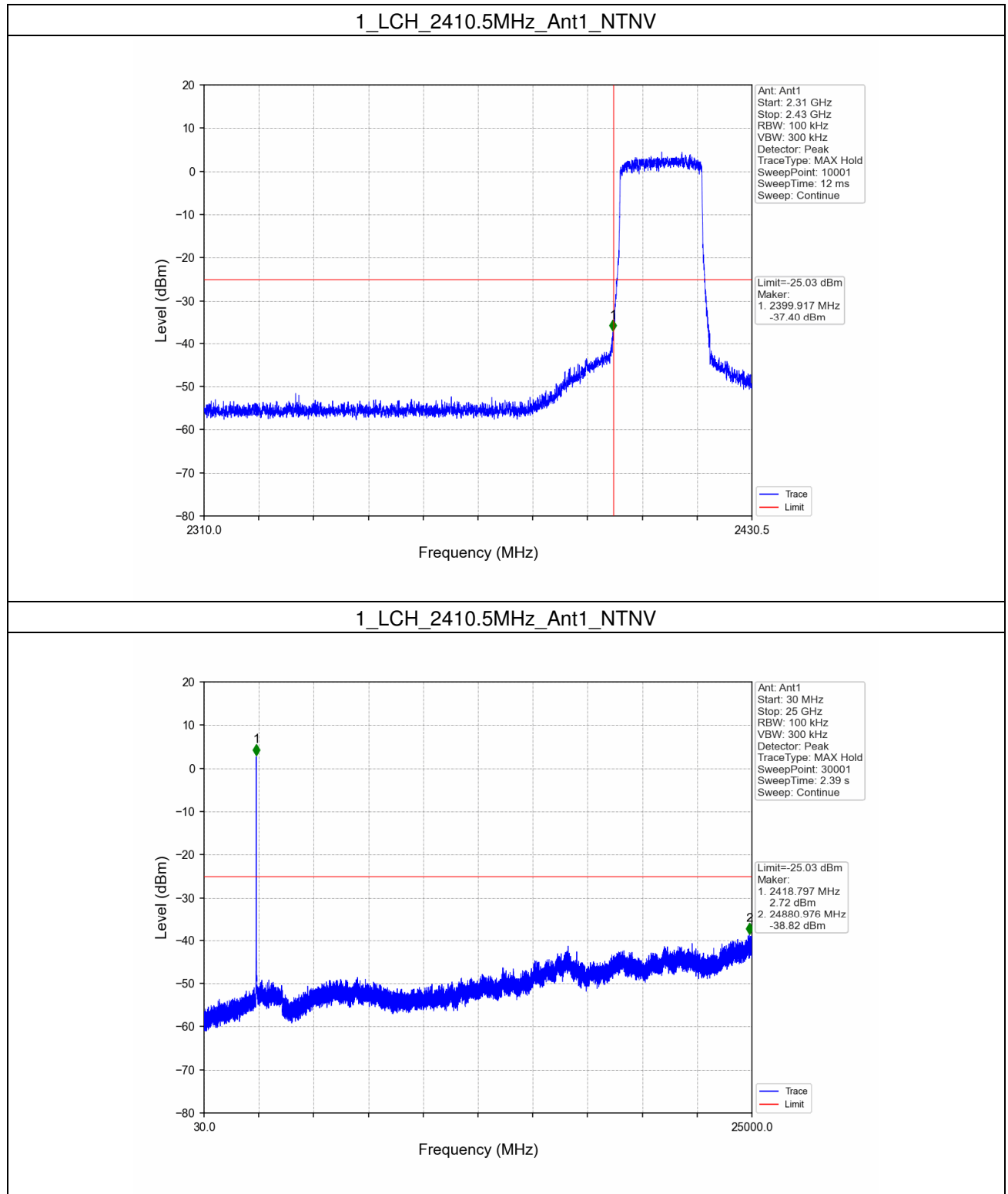
5.2 CSE

5.2.1 Test Result

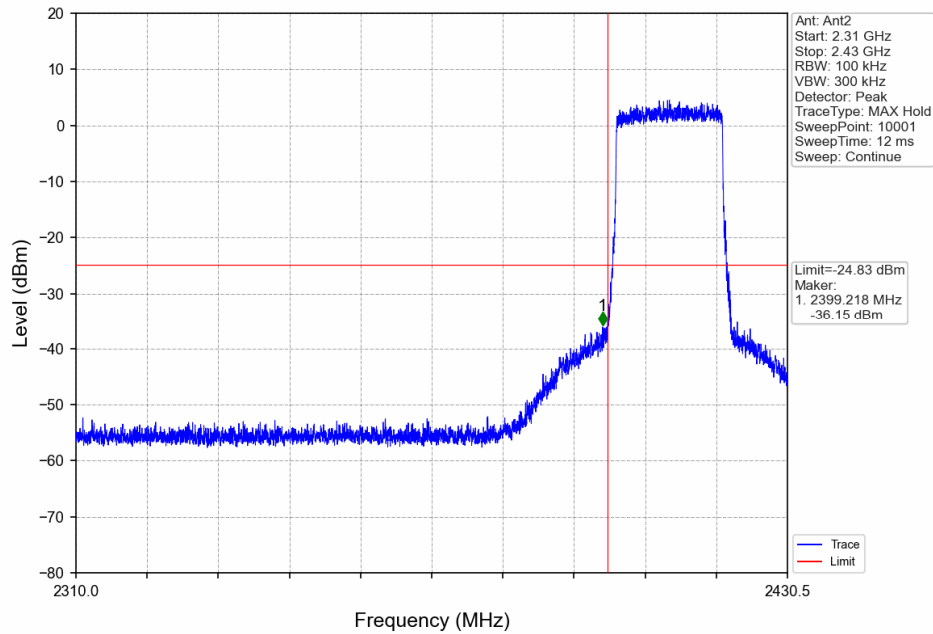
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
20M	MIMO	2410.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2441.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2472.5	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.

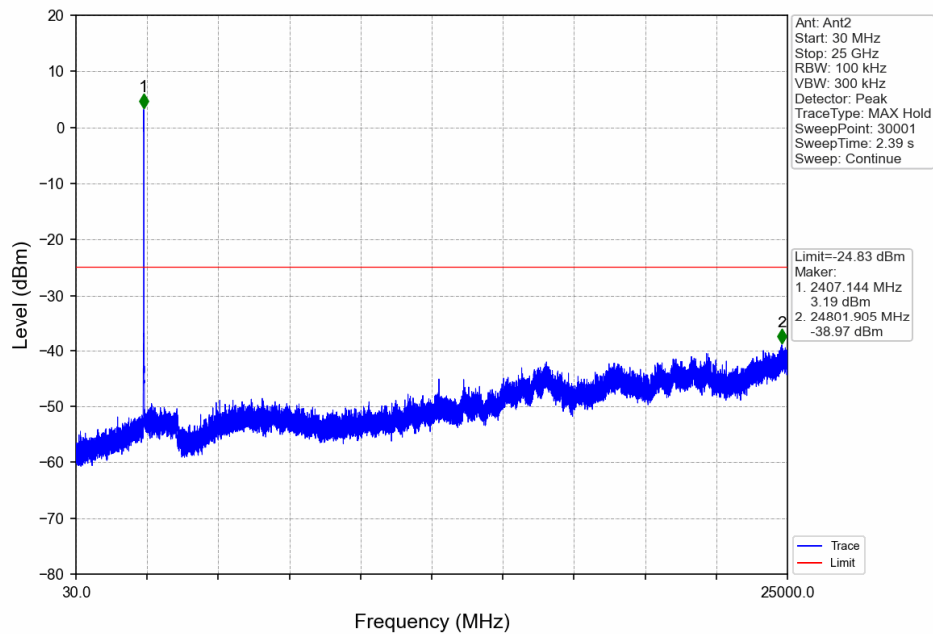
5.2.2 Test Graph



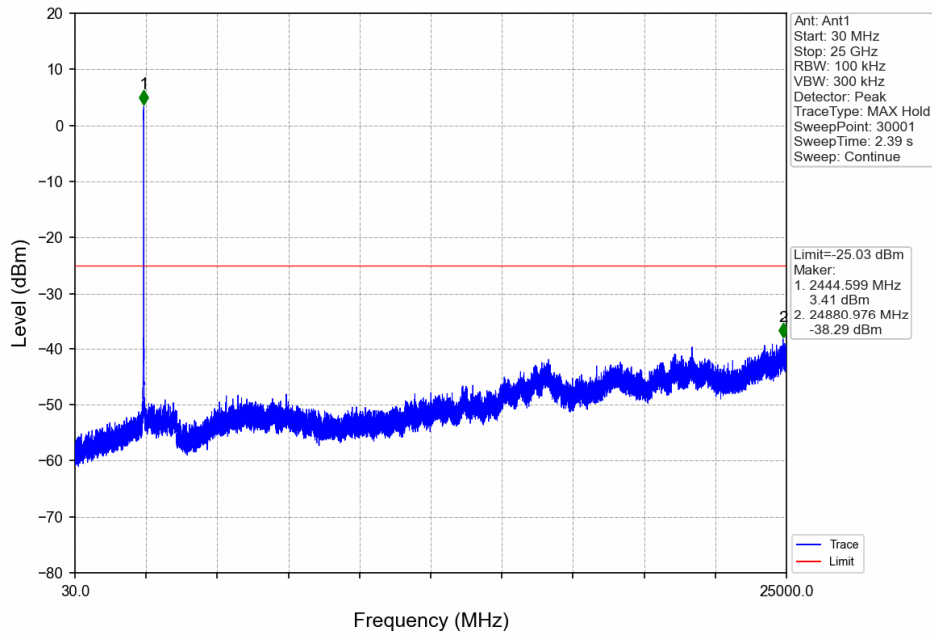
1_LCH_2410.5MHz_Ant2_NTNV



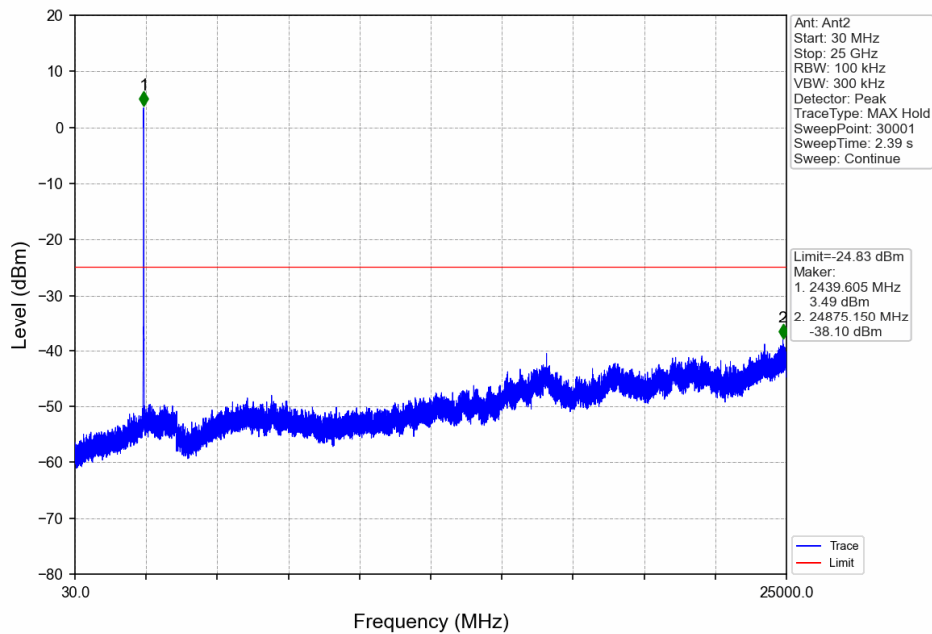
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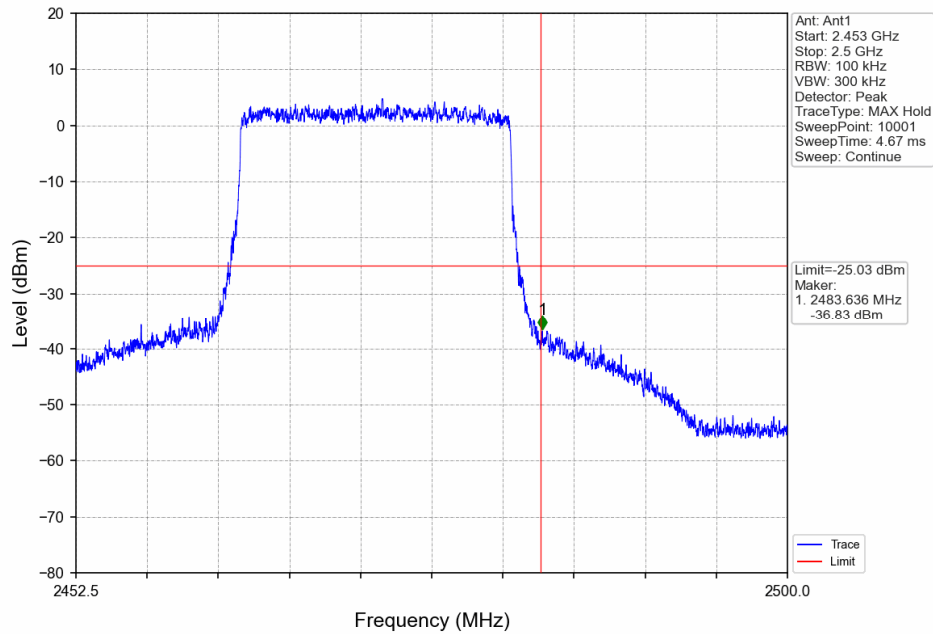
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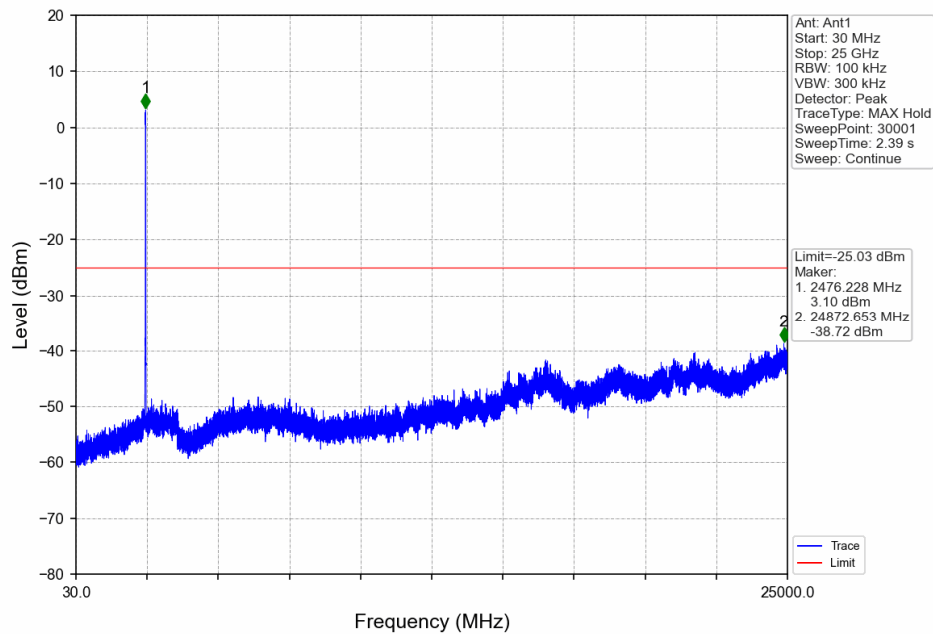
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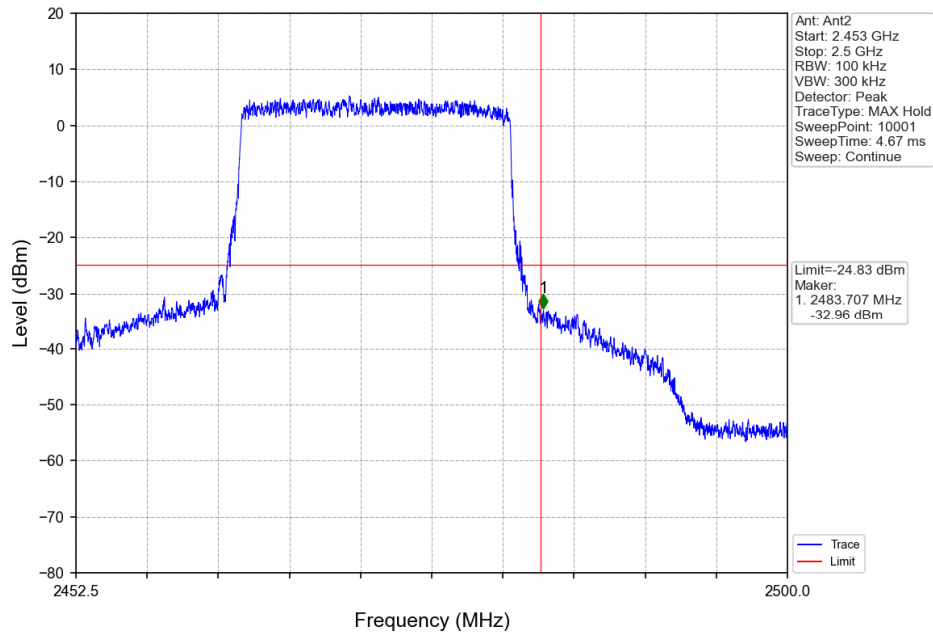
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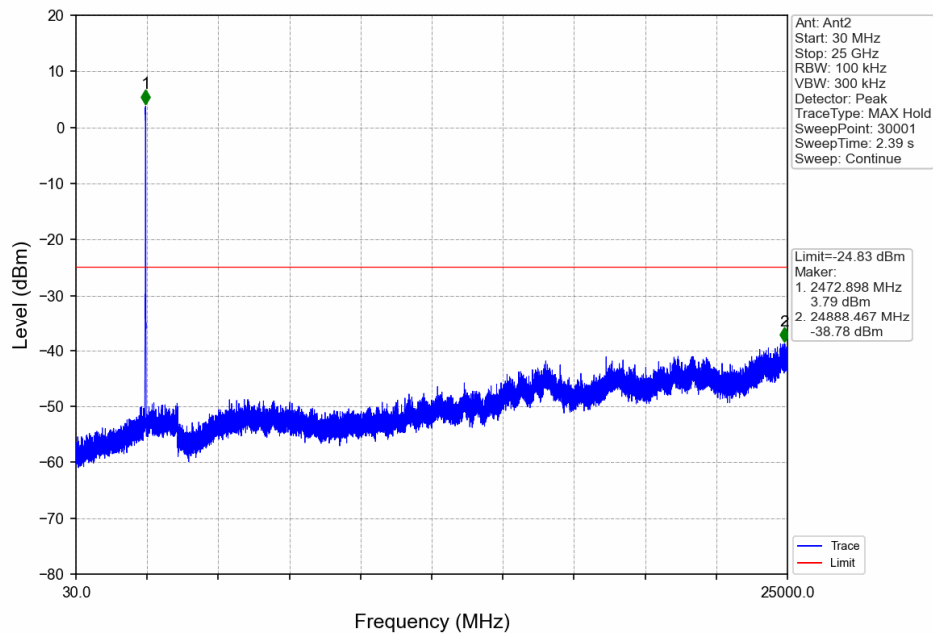
1_HCH_2472.5MHz_Ant1_NTNV



1_HCH_2472.5MHz_Ant2_NTNV



1_HCH_2472.5MHz_Ant2_NTNV



40MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

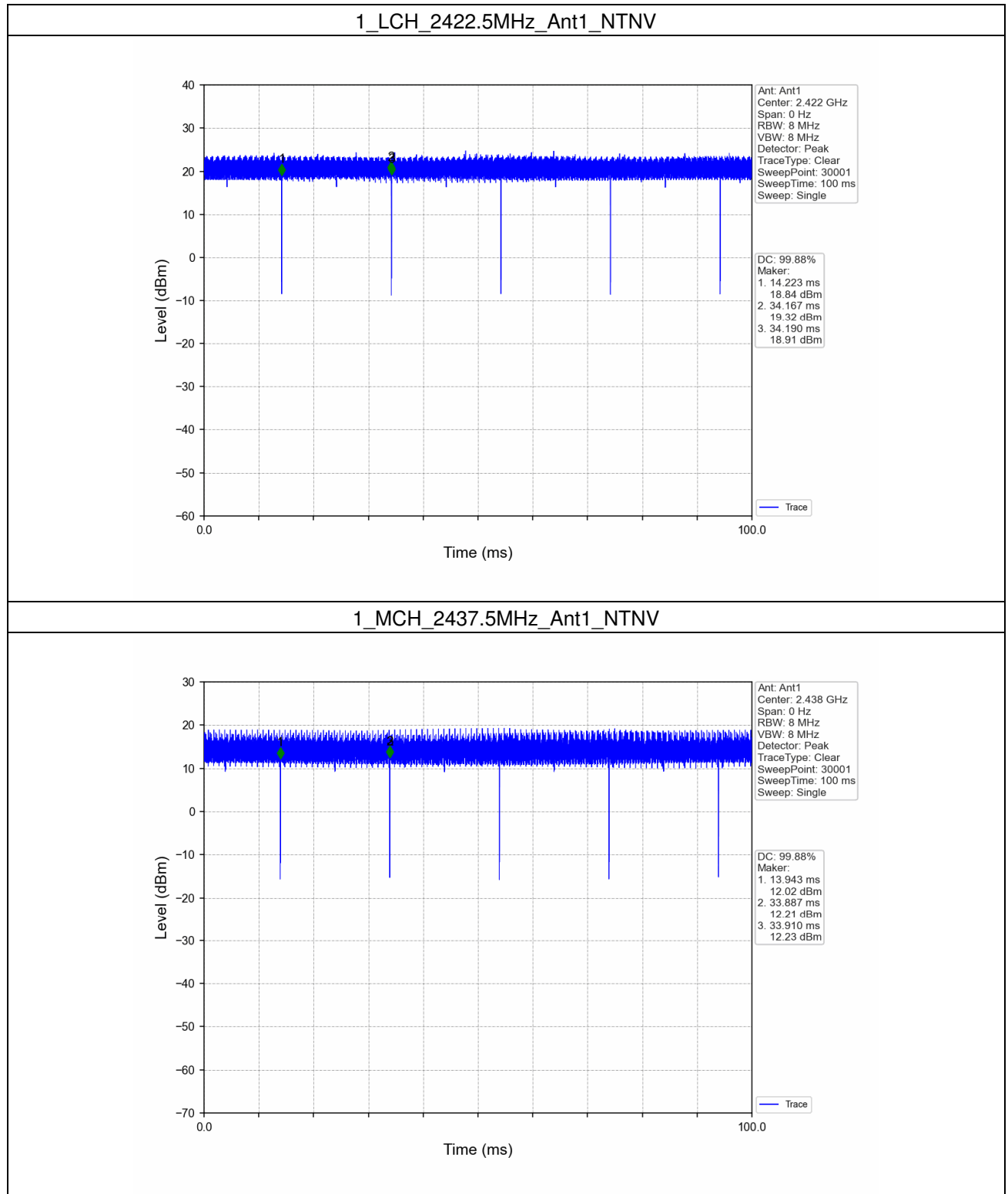
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
40M	MIMO	2422.5	19.94	19.97	99.88	0.01	0.00
		2437.5	19.94	19.97	99.88	0.01	0.00
		2452.5	19.94	19.97	99.88	0.01	0.00

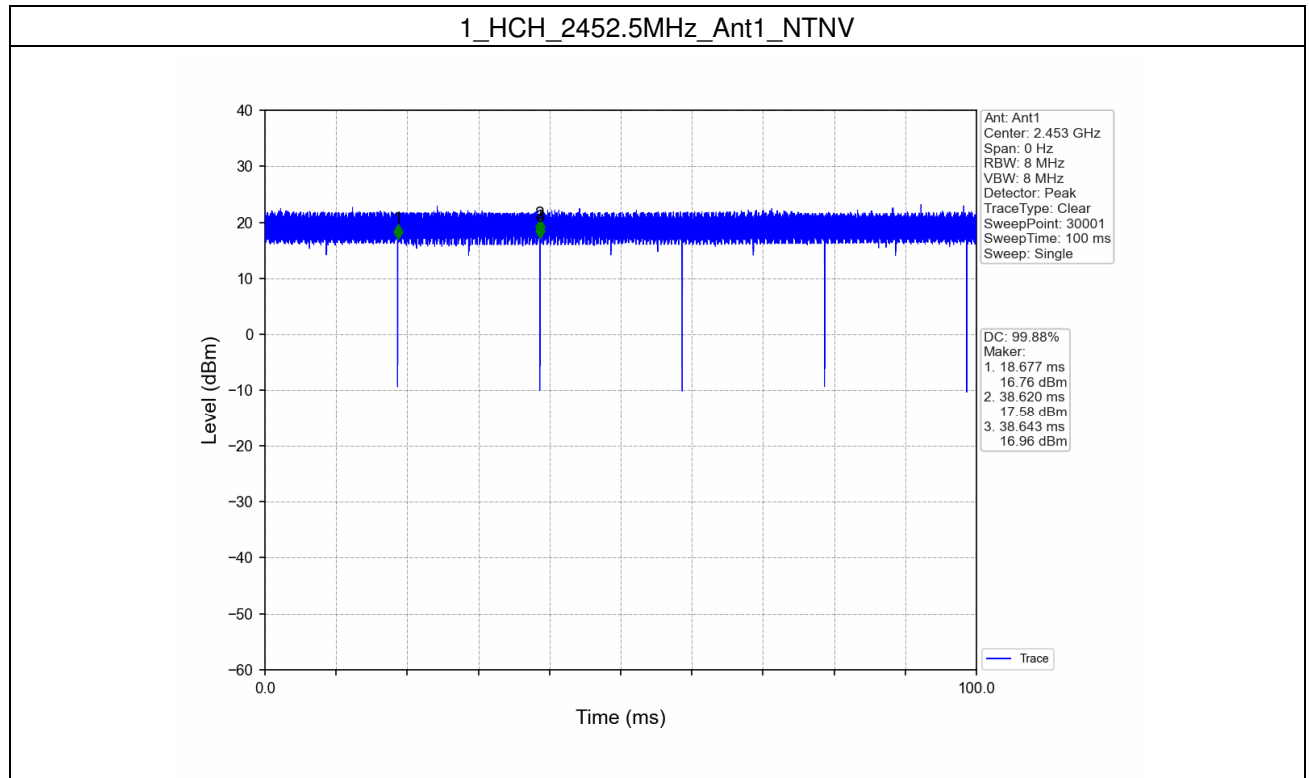


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1.1.2 Test Graph





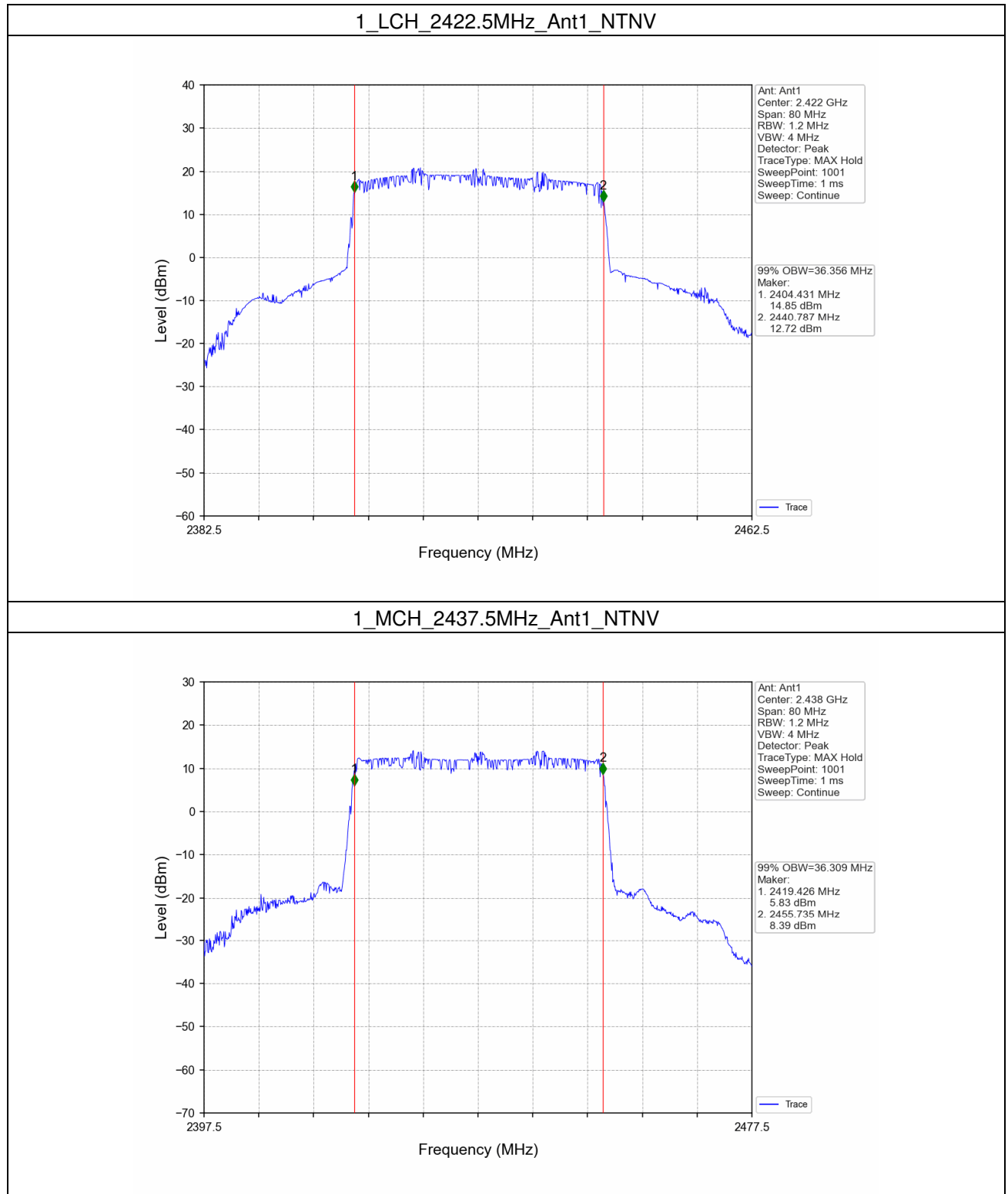
2. Bandwidth

2.1 OBW

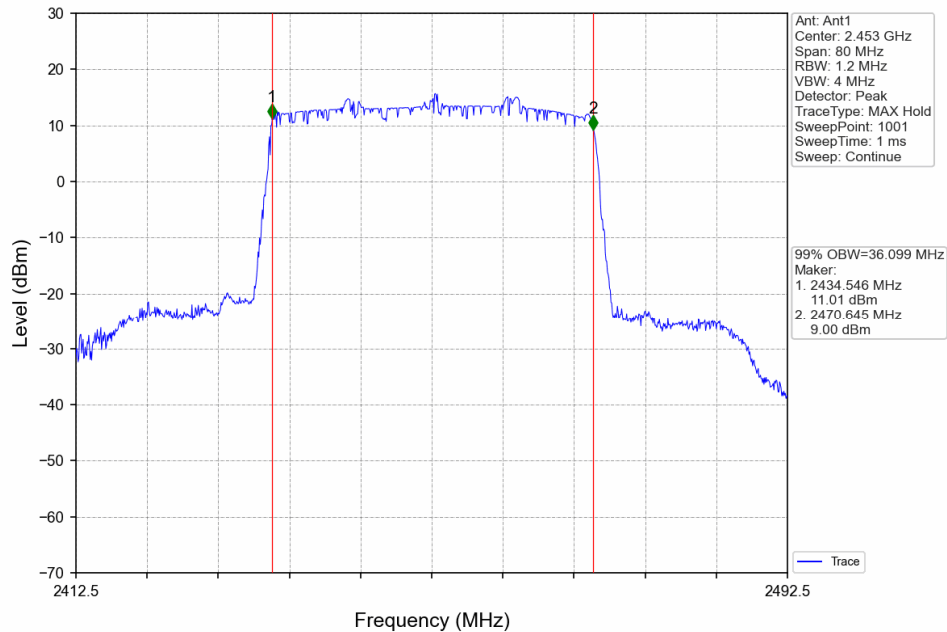
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
40M	MIMO	2422.5	1	36.36	/	Pass
		2437.5	1	36.31	/	Pass
		2452.5	1	36.10	/	Pass

2.1.2 Test Graph



1_HCH_2452.5MHz_Ant1_NTNV



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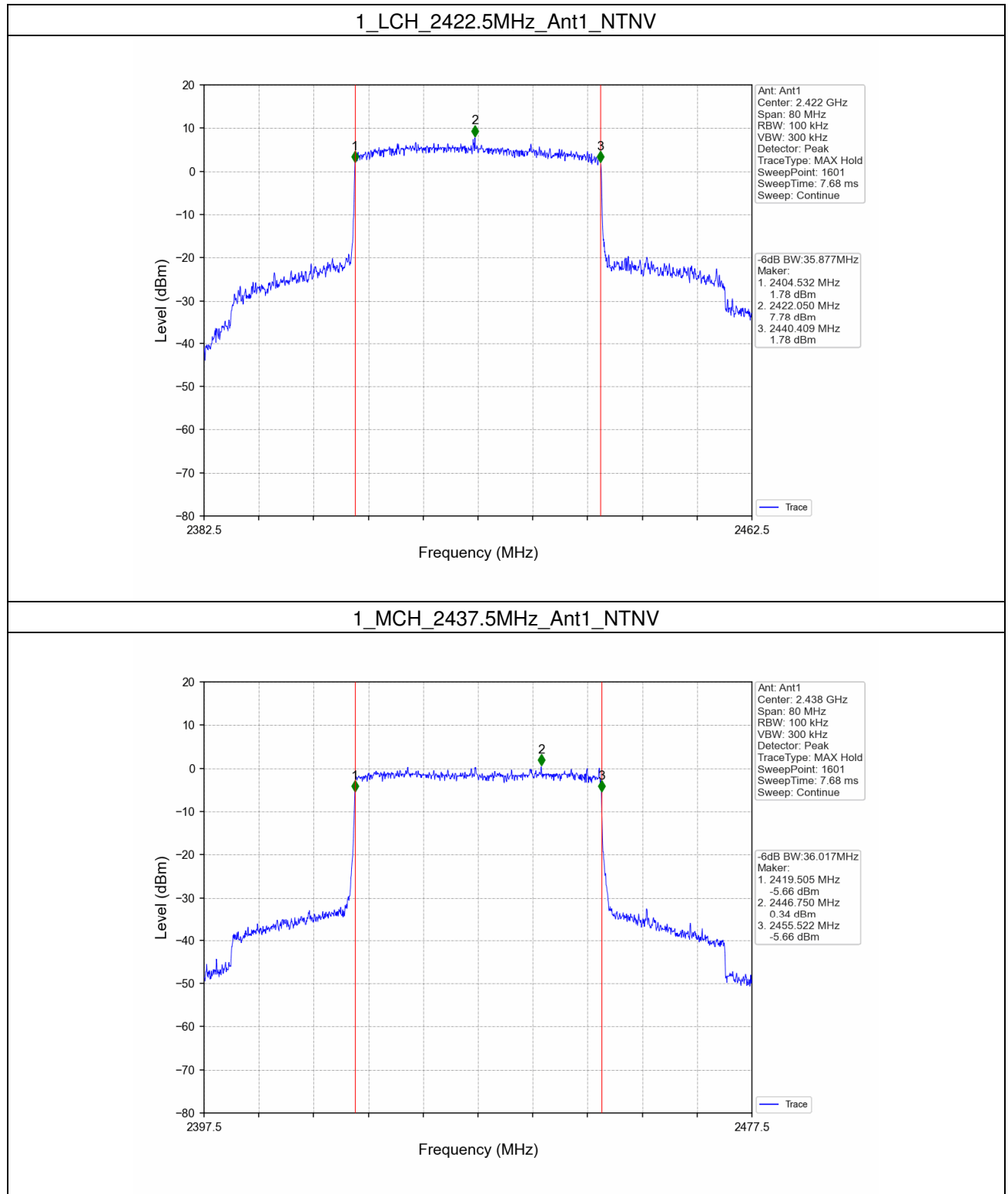
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2.2 6dB BW

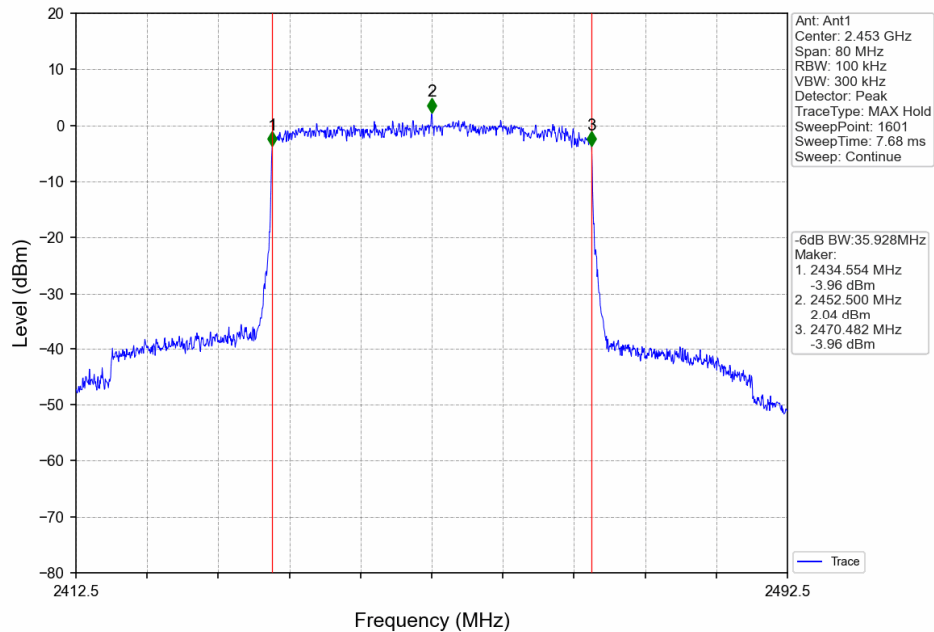
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
40M	MIMO	2422.5	1	35.88	≥ 0.5	Pass
		2437.5	1	36.02	≥ 0.5	Pass
		2452.5	1	35.93	≥ 0.5	Pass

2.2.2 Test Graph



1_HCH_2452.5MHz_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	
40M	SISO	2422.5	15.16	<=30	Pass
		2437.5	15.46	<=30	Pass
		2452.5	15.58	<=30	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)		Verdict
			Ant1	Limit	
40M	SISO	2422.5	15.11	<=30	Pass
		2437.5	15.05	<=30	Pass
		2452.5	15.11	<=30	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
40M	MIMO	2422.5	15.66	16.25	18.98	<=29.9	Pass
		2437.5	15.83	16.25	19.06	<=29.9	Pass
		2452.5	15.86	16.31	19.10	<=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	
40M	SISO	2422.5	-14.15	<=8	Pass
		2437.5	-14.69	<=8	Pass
		2452.5	-14.88	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

Antenna 2:

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
40M	SISO	2422.5	-14.65	<=8	Pass
		2437.5	-15.92	<=8	Pass
		2452.5	-14.23	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi;					

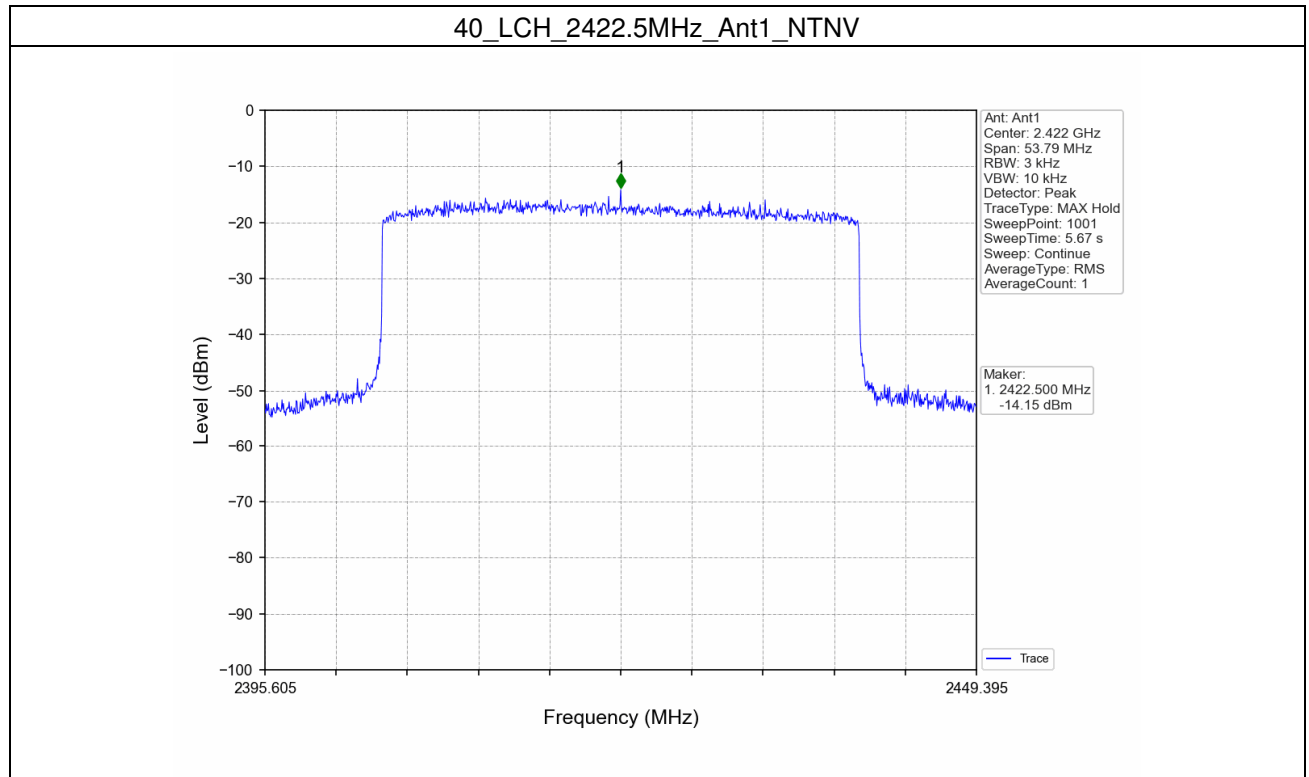
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)			Limit (dBm/3kHz)	Verdict
			Ant1	Ant2	Sum		
40M	MIMO	2422.5	-13.34	-12.10	-9.66	<=8	Pass
		2437.5	-13.29	-13.47	-10.37	<=8	Pass
		2452.5	-9.17	-11.79	-7.28	<=8	Pass
Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;							



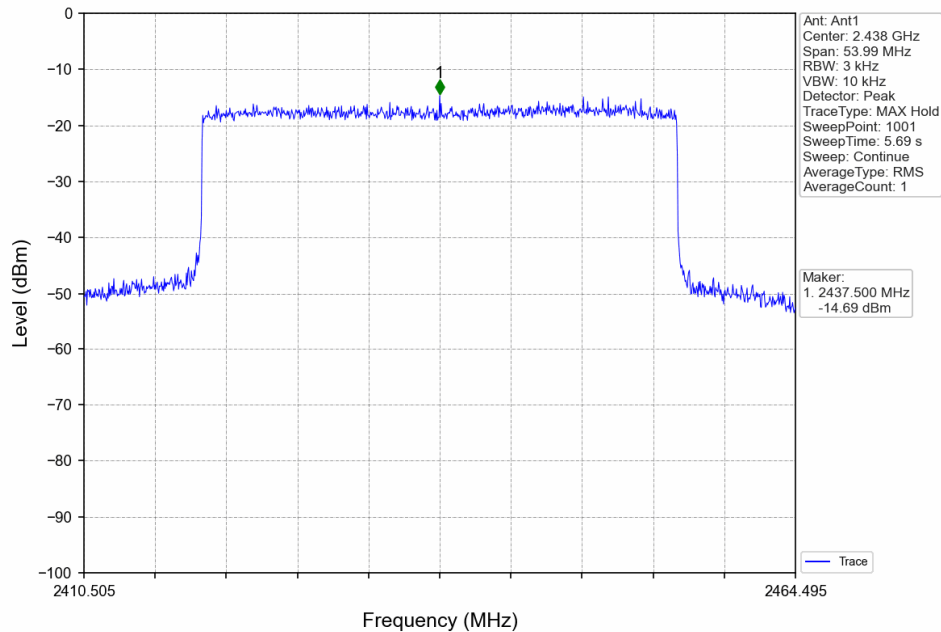
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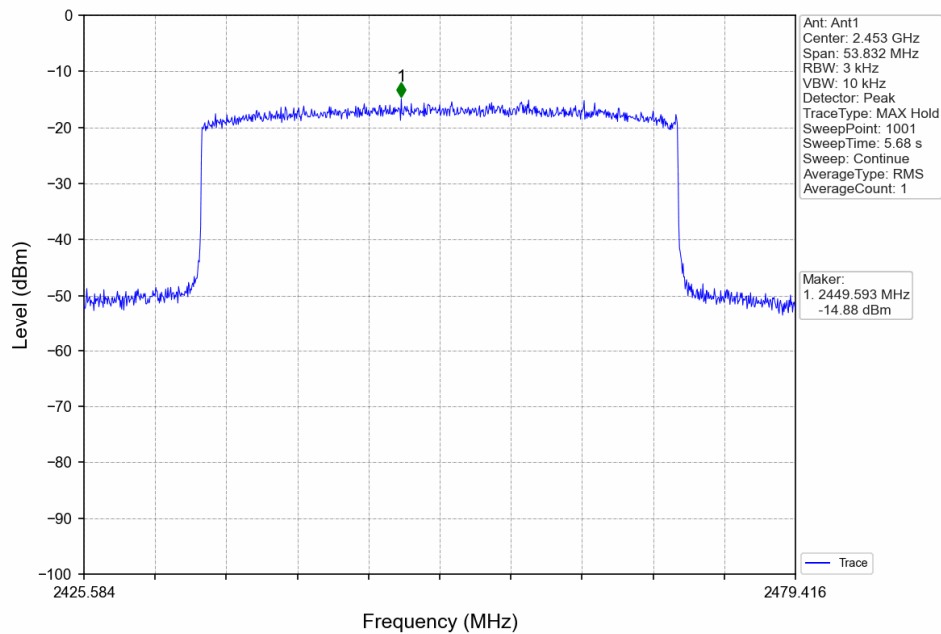
4.1.2 Test Graph



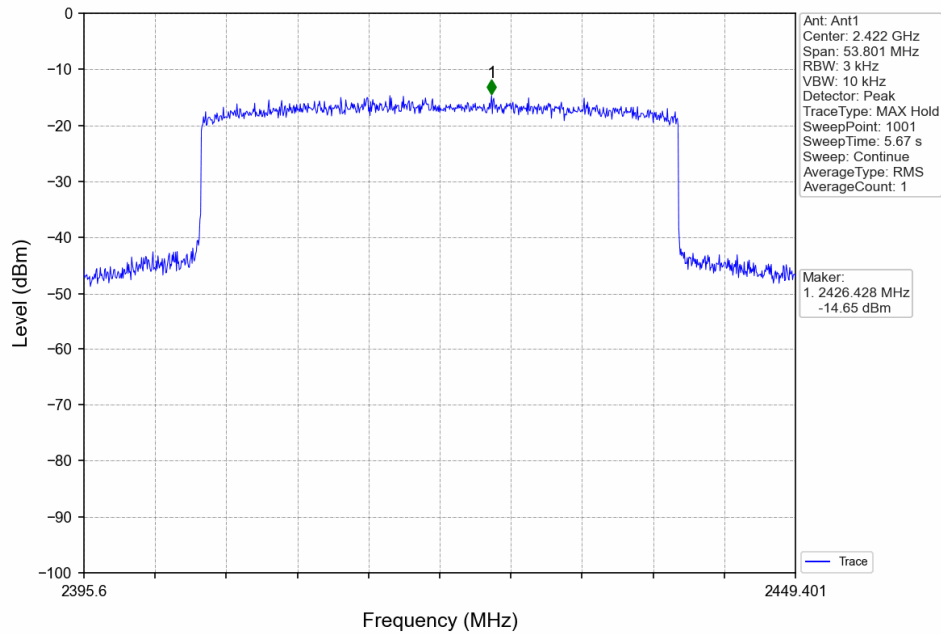
40_MCH_2437.5MHz_Ant1_NTNV



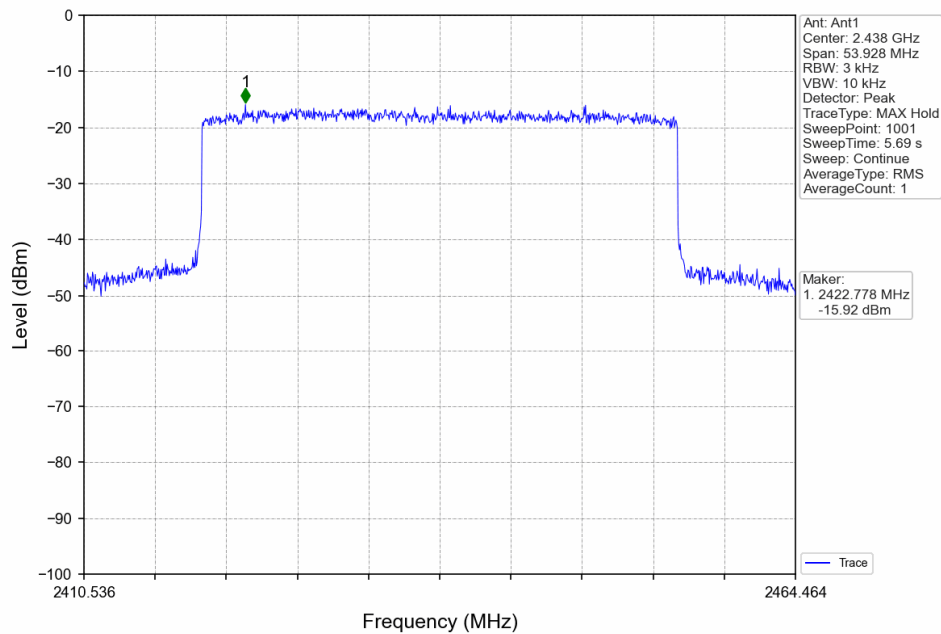
40_HCH_2452.5MHz_Ant1_NTNV



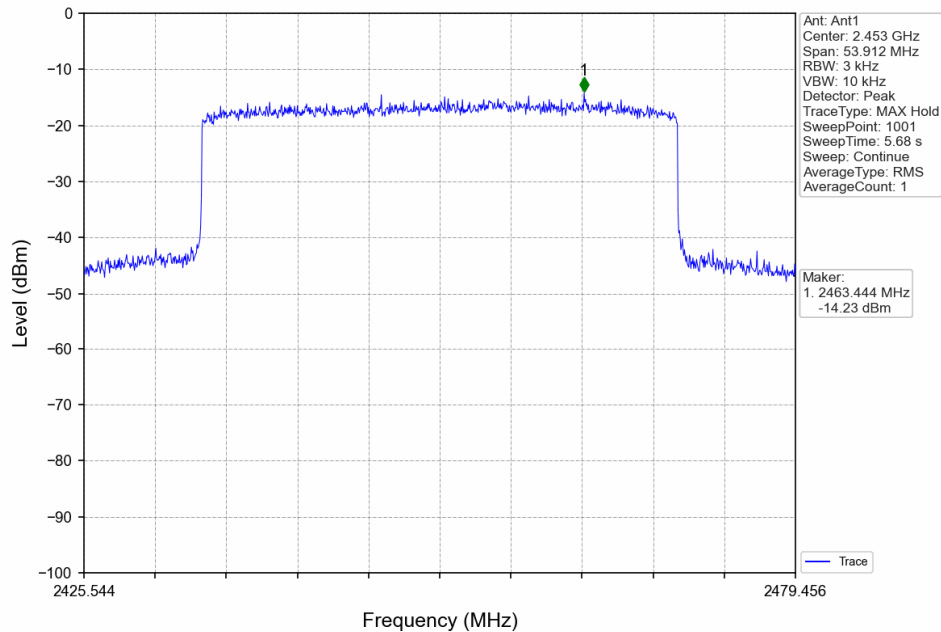
40_LCH_2422.5MHz_Ant2_NTNV



40_MCH_2437.5MHz_An2_NTNV



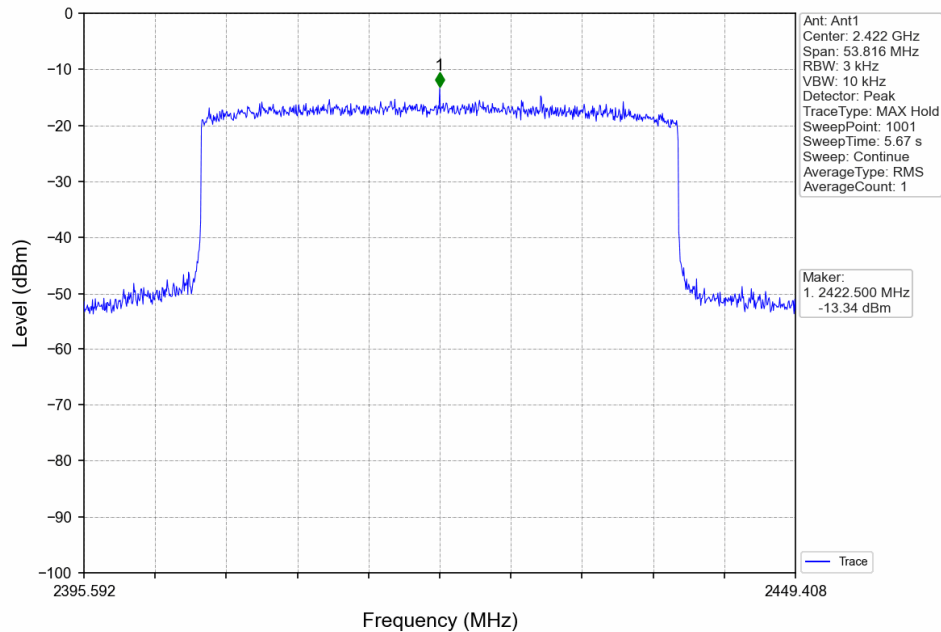
40_HCH_2452.5MHz_Ant2_NTNV



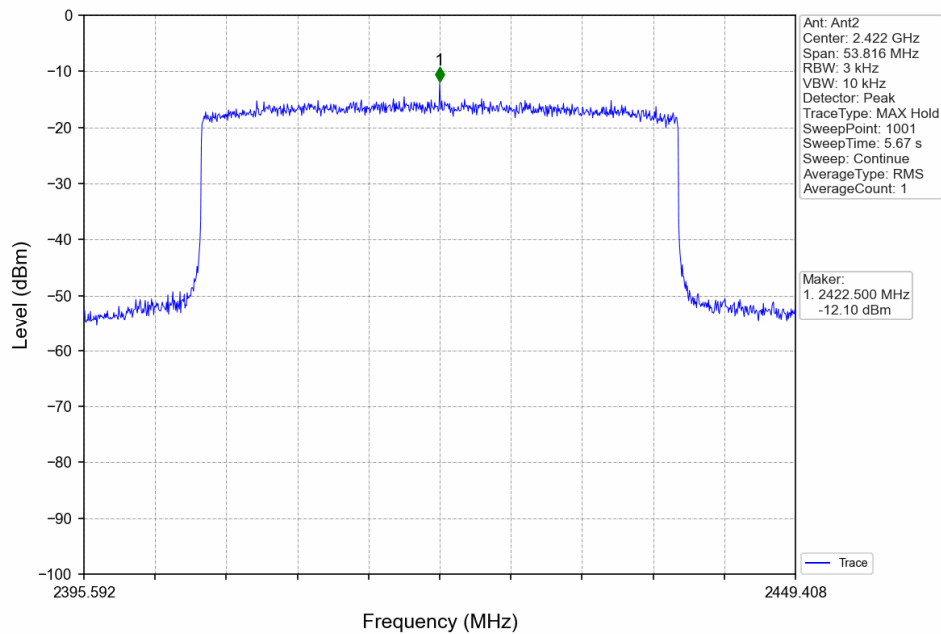
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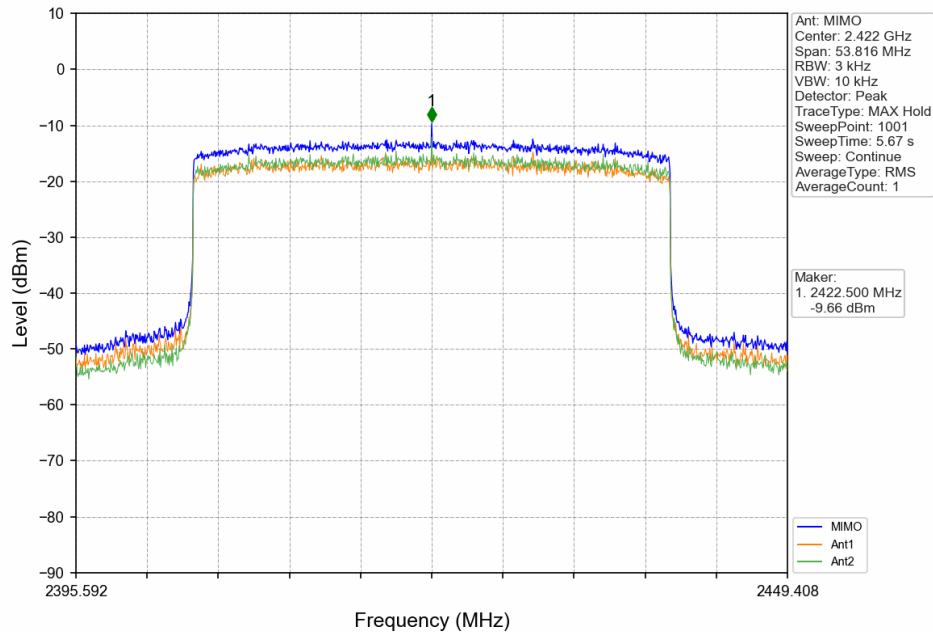
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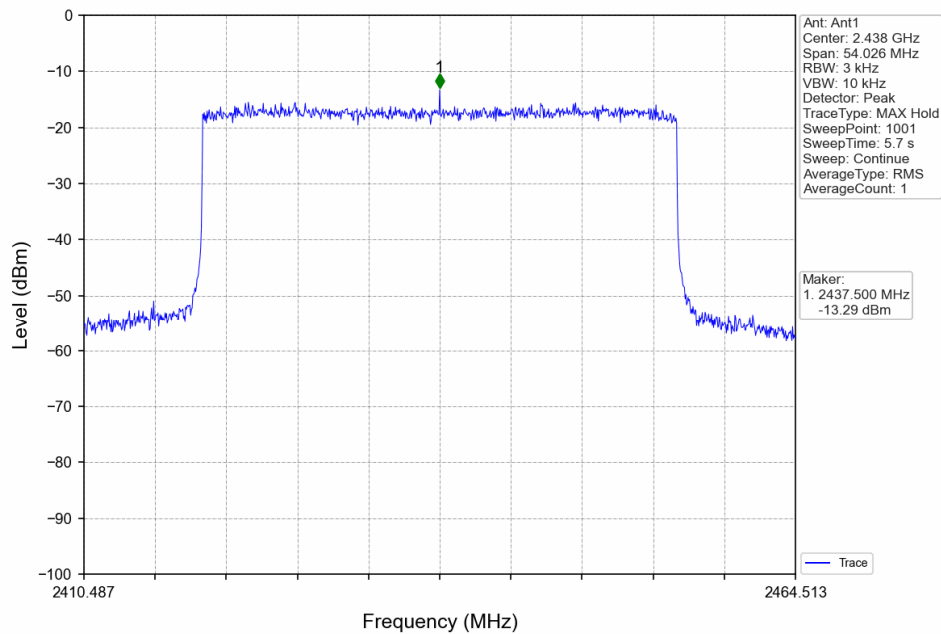
1_LCH_2422.5MHz_Ant2_NTNV



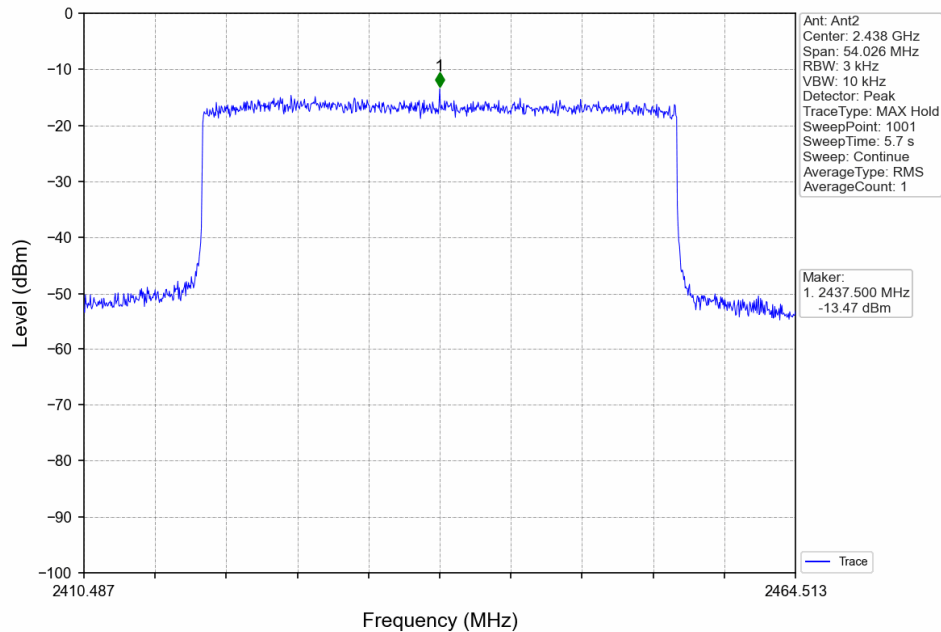
1_LCH_2422.5MHz_MIMO_NTNV



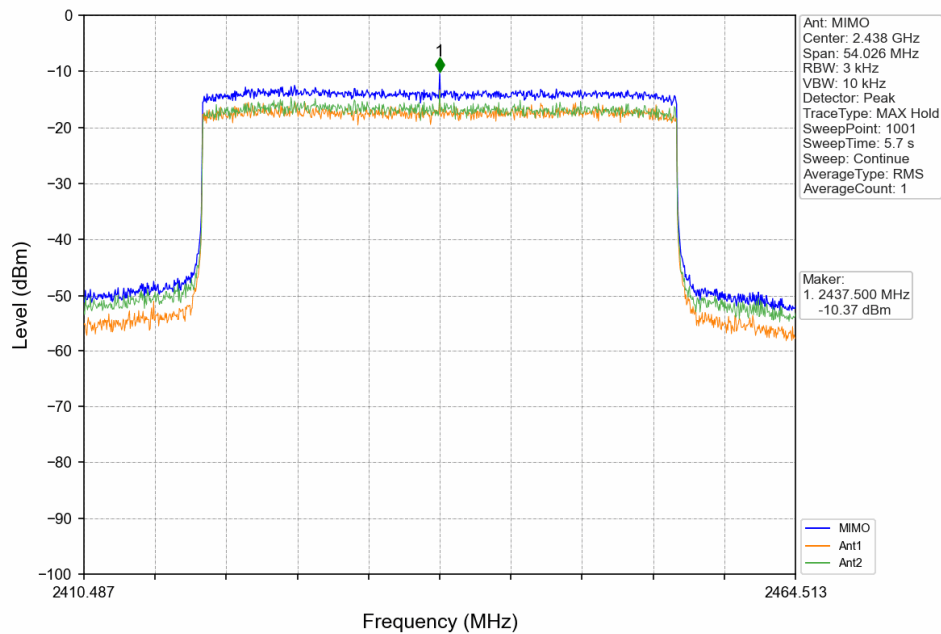
1_MCH_2437.5MHz_Ant1_NTNV



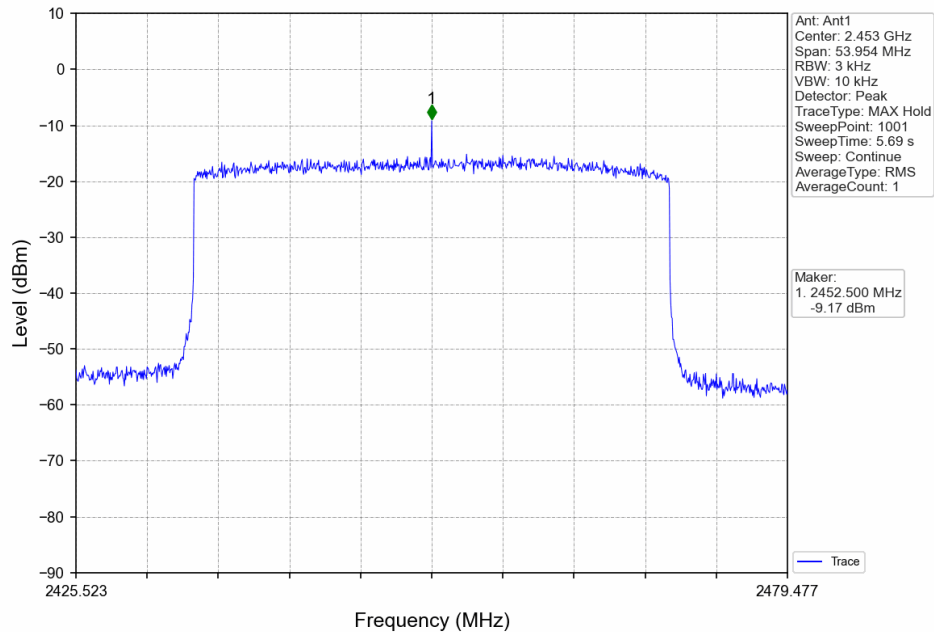
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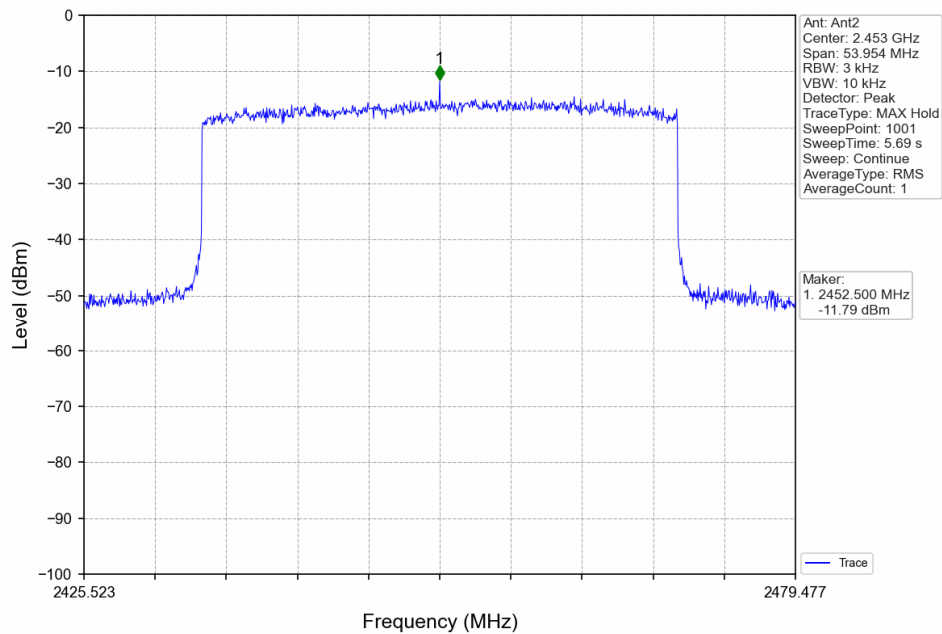
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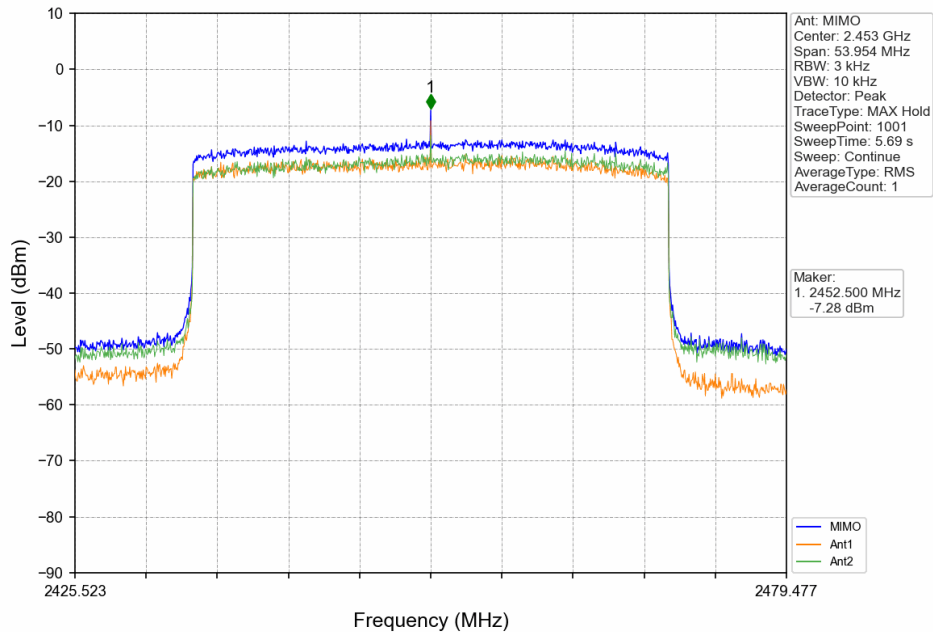
1_HCH_2452.5MHz_Ant1_NTNV



1_HCH_2452.5MHz_Ant2_NTNV



1_HCH_2452.5MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

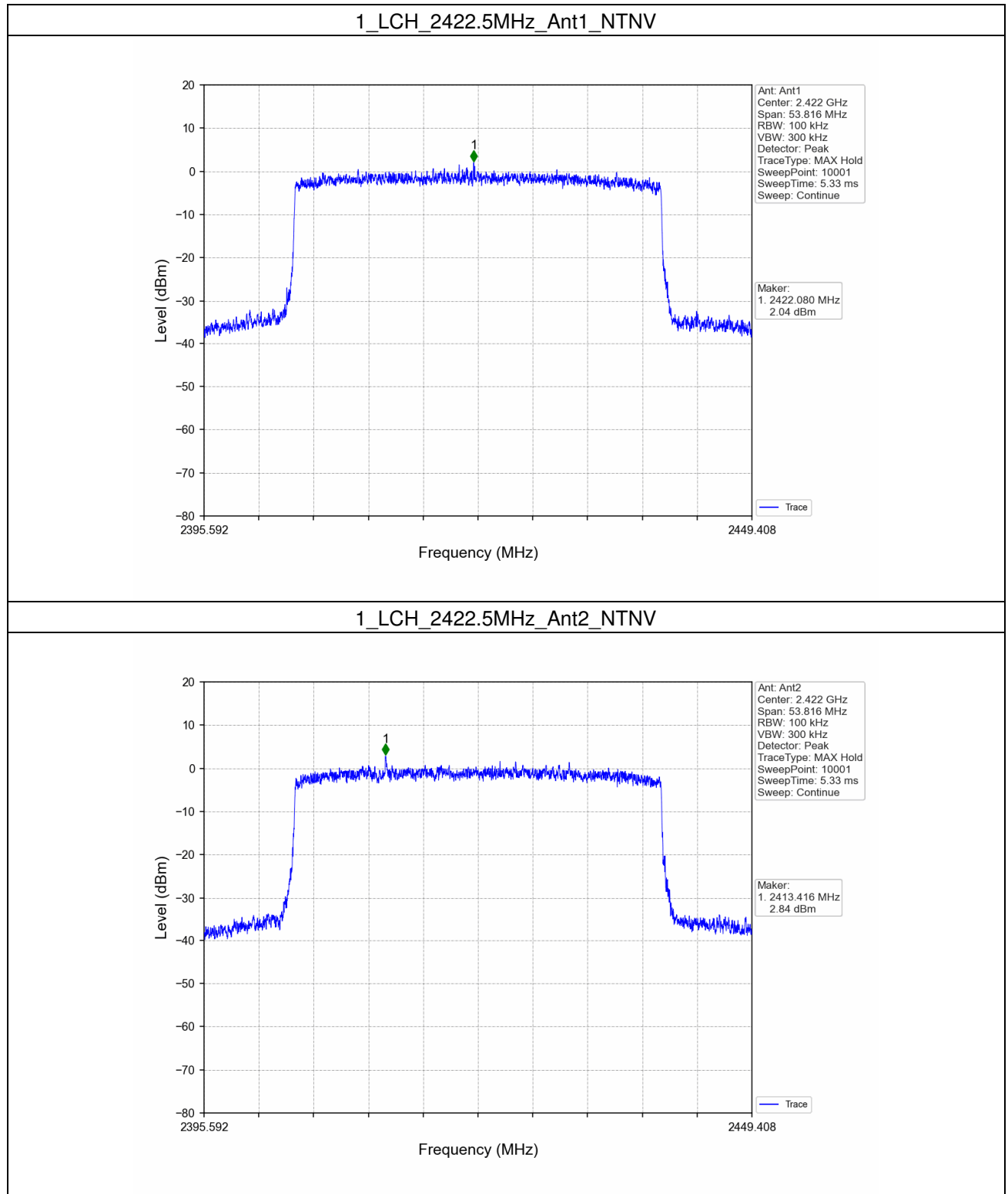
5.1 Ref

5.1.1 Test Result

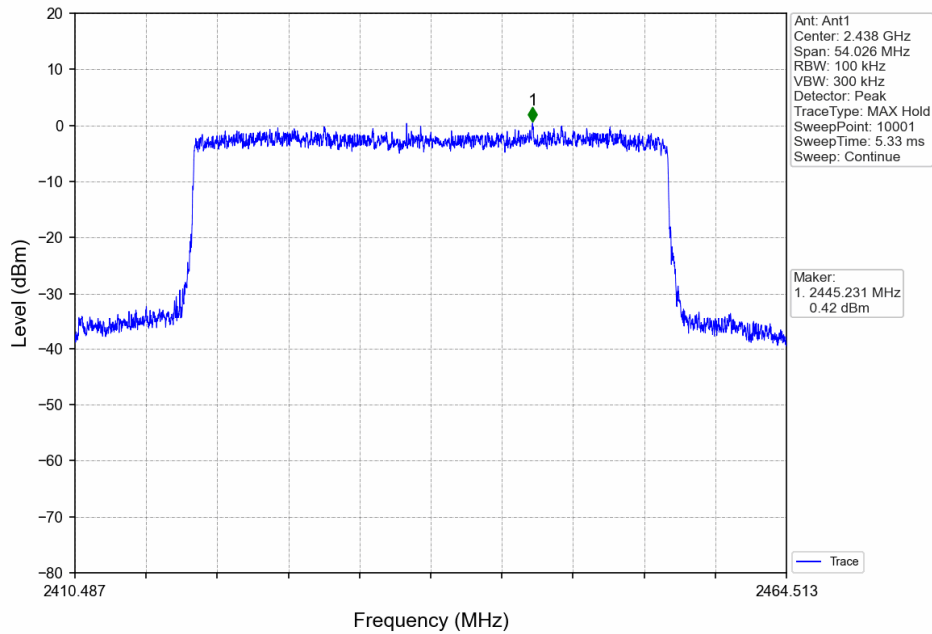
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
40M	MIMO	2422.5	1	2.04	/	/
			2	2.84	/	/
		2437.5	1	0.42	/	/
			2	0.13	/	/
		2452.5	1	1.53	/	/
			2	1.31	/	/

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.

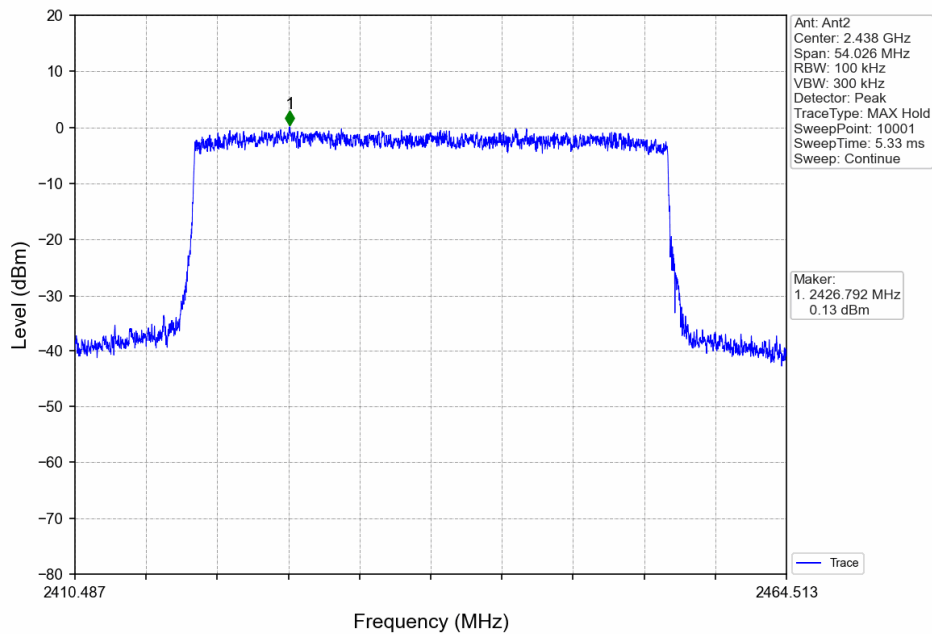
5.1.2 Test Graph



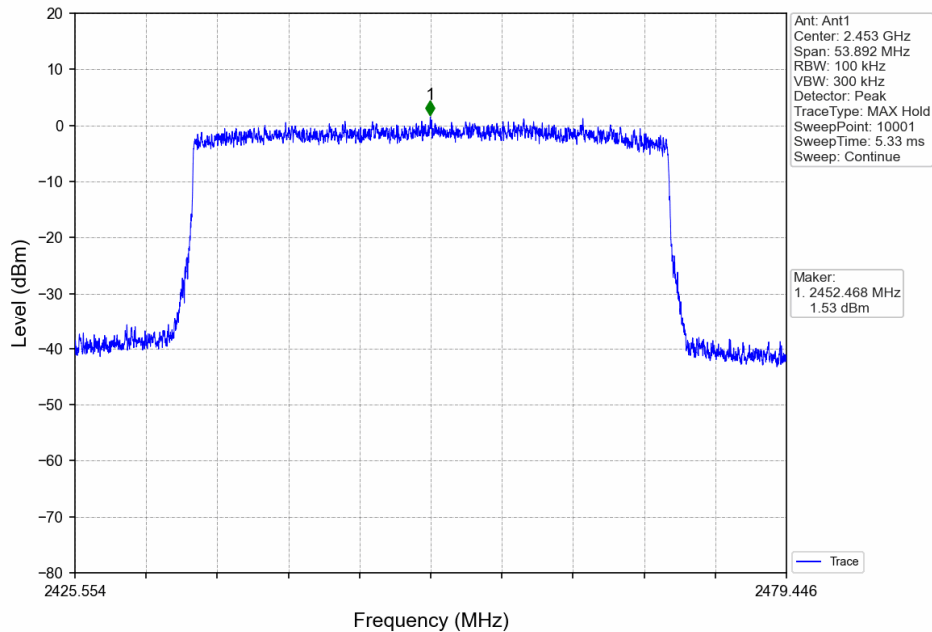
1_MCH_2437.5MHz_Ant1_NTNV



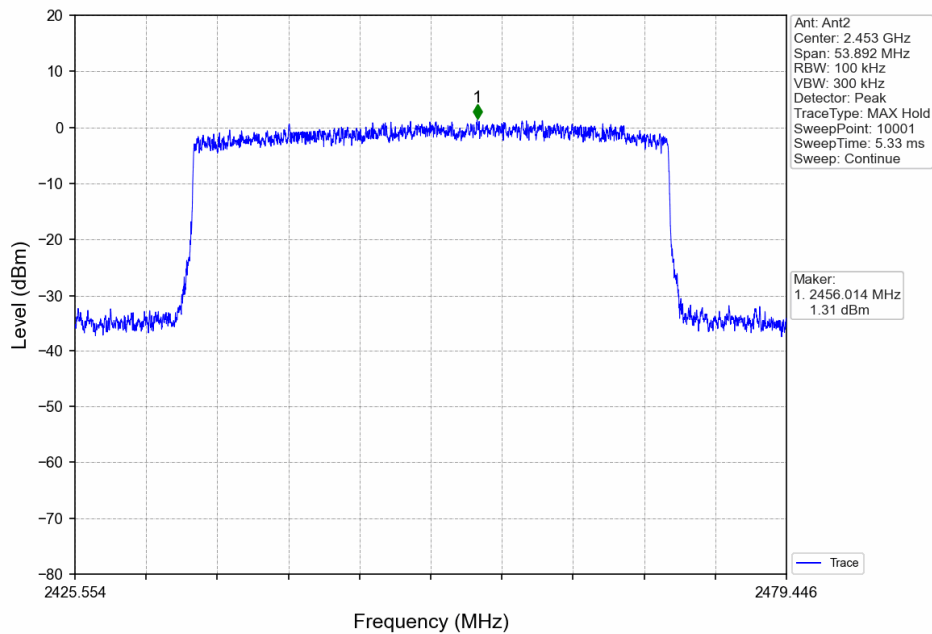
1_MCH_2437.5MHz_Ant2_NTNV



1_HCH_2452.5MHz_Ant1_NTNV



1_HCH_2452.5MHz_Ant2_NTNV



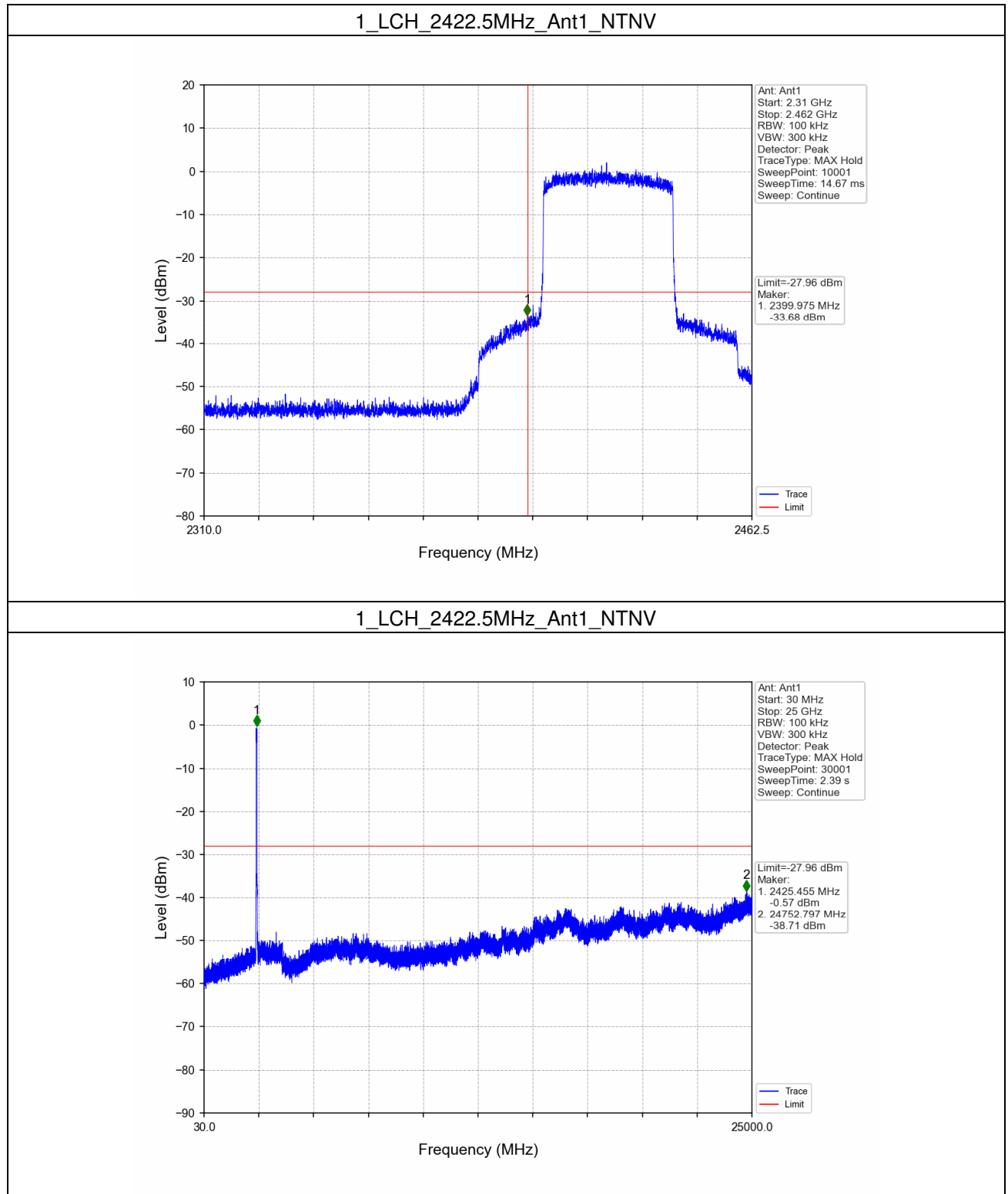
5.2 CSE

5.2.1 Test Result

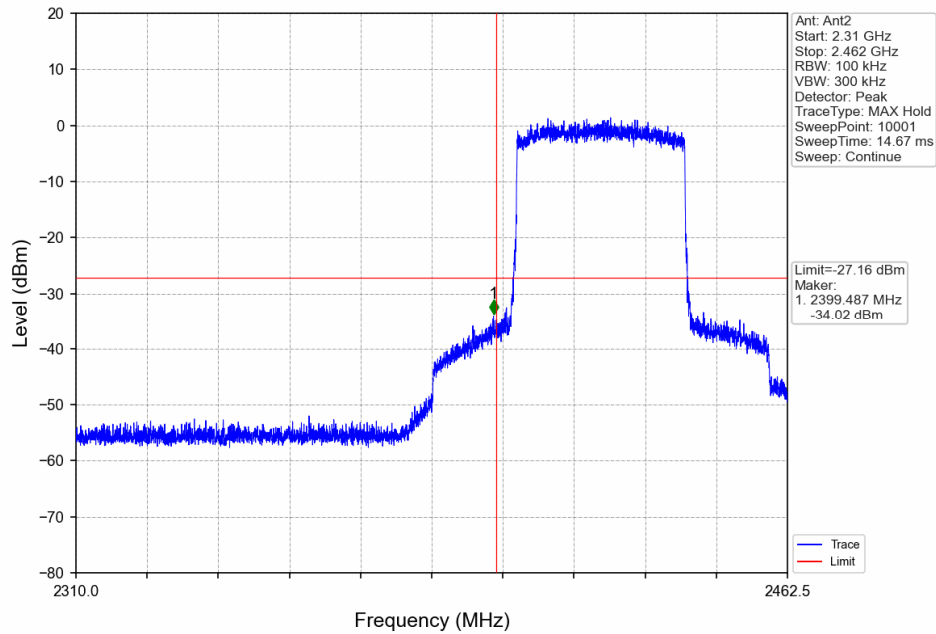
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
40M	MIMO	2422.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2437.5	1	Refer To Test Graph	Refer To Test Graph	Pass
			2	Refer To Test Graph	Refer To Test Graph	Pass
		2452.5	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.

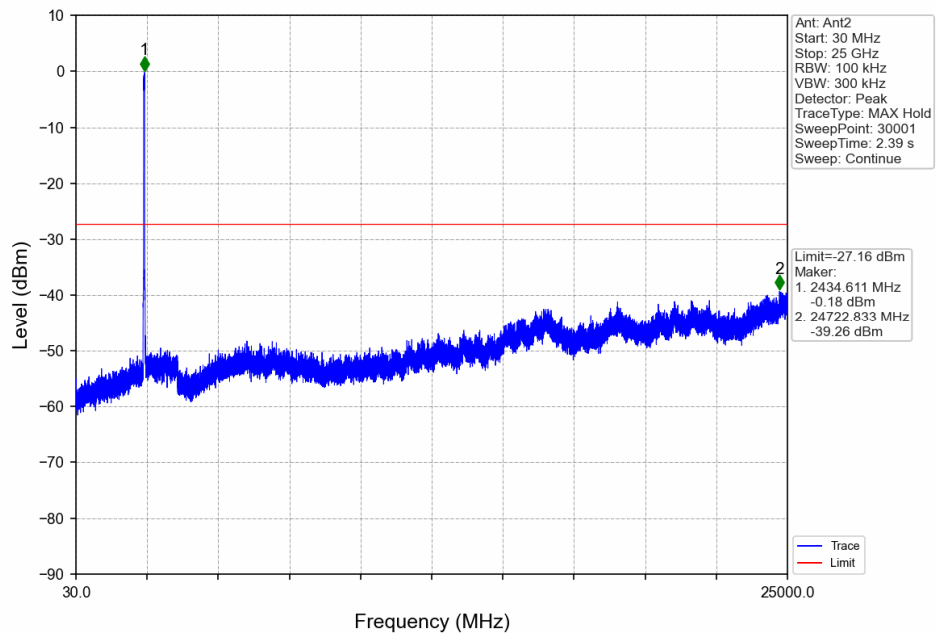
5.2.2 Test Graph



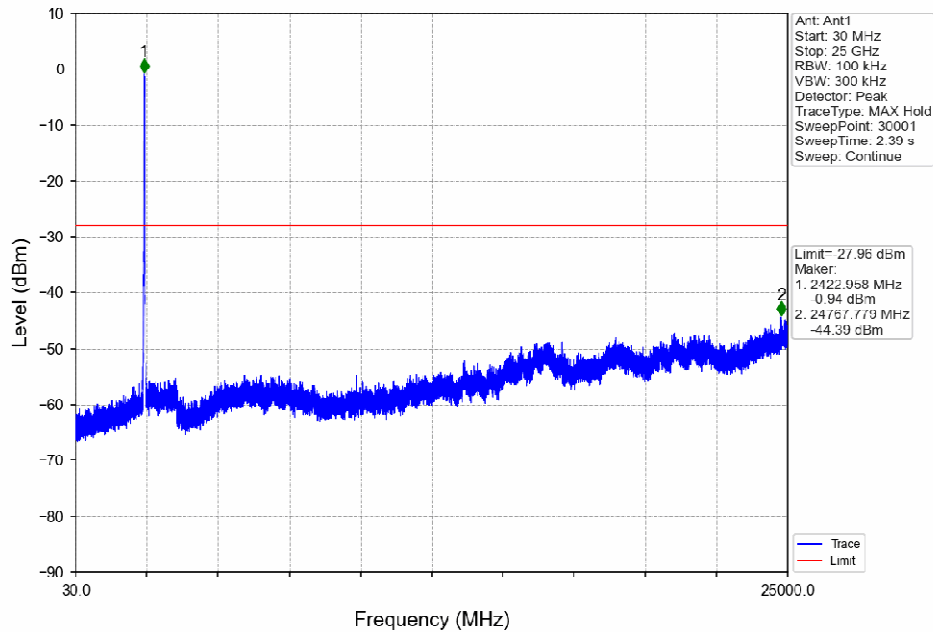
1_LCH_2422.5MHz_Ant2_NTNV



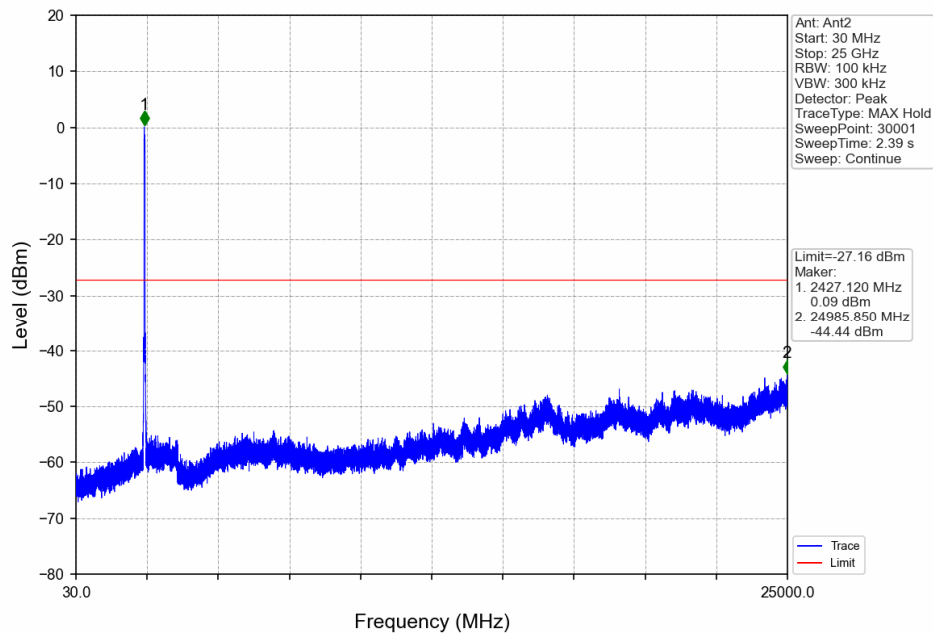
1_LCH_2422.5MHz_Ant2_NTNV



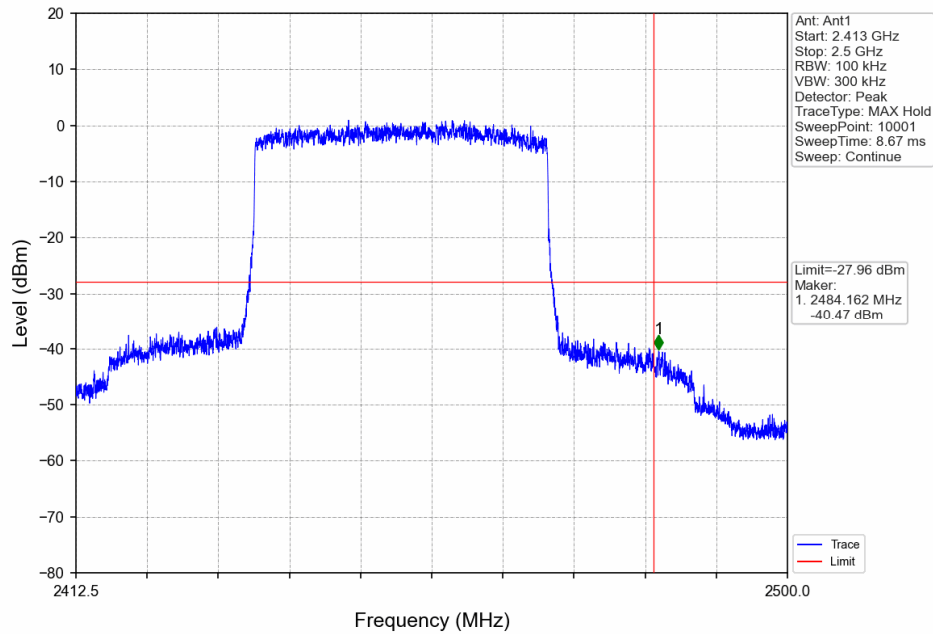
1_MCH_2437.5MHz_Ant1_NTNV



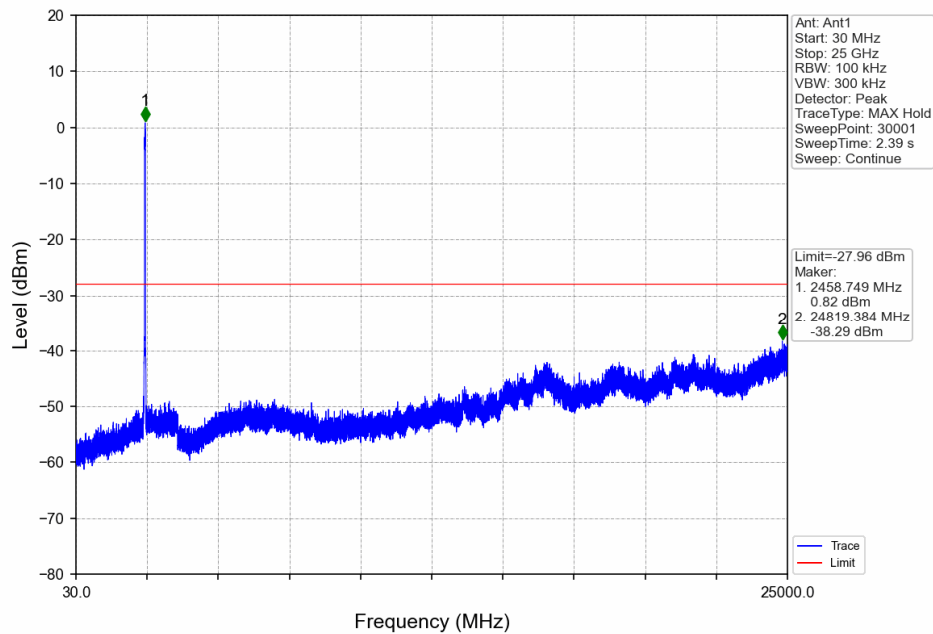
1_MCH_2437.5MHz_Ant2_NTNV



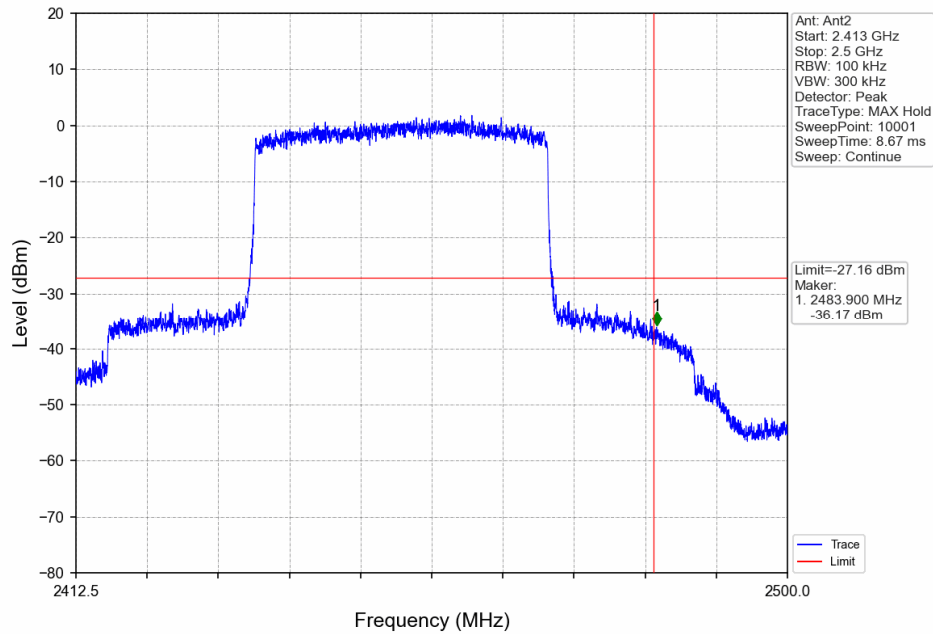
1_HCH_2452.5MHz_Ant1_NTNV



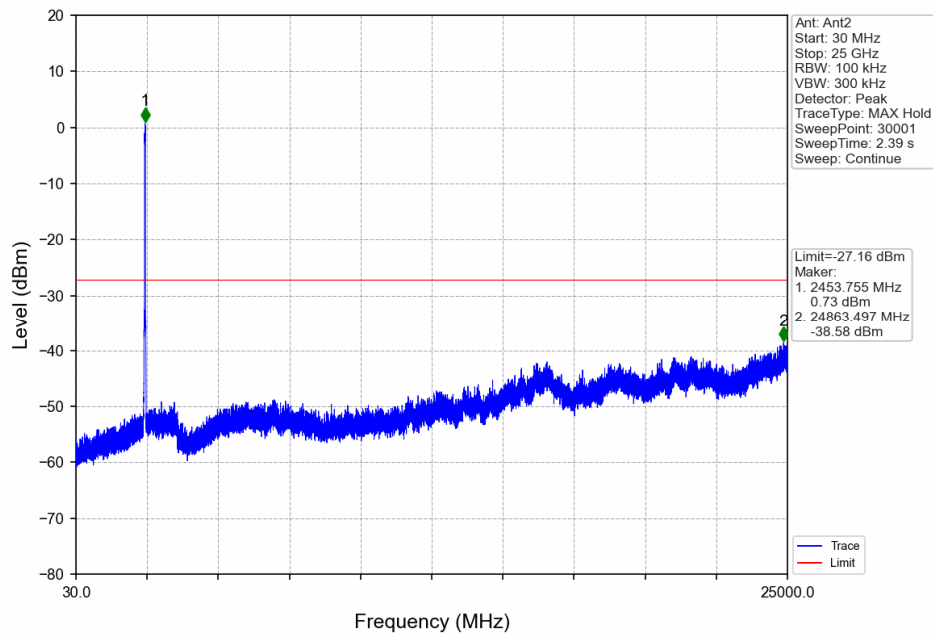
1_HCH_2452.5MHz_Ant1_NTNV



1_HCH_2452.5MHz_Ant2_NTNV



1_HCH_2452.5MHz_Ant2_NTNV



- End of the Report -