

3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
QPSK	MIMO	2412.5	20.98	19.23	23.20	<=23.25	Pass
		2439.5	20.75	17.98	22.59	<=23.25	Pass
		2462.5	19.80	17.77	21.91	<=23.25	Pass
16QAM	MIMO	2412.5	20.37	18.26	22.45	<=23.25	Pass
		2439.5	20.09	18.01	22.18	<=23.25	Pass
		2462.5	20.02	17.80	22.06	<=23.25	Pass
Note1: Antenna Gain: Ant1: 9.74dBi; Ant2: 9.74dBi; Note2: Directional Gain: Band1: 12.75dBi							

4. Maximum Power Spectral Density

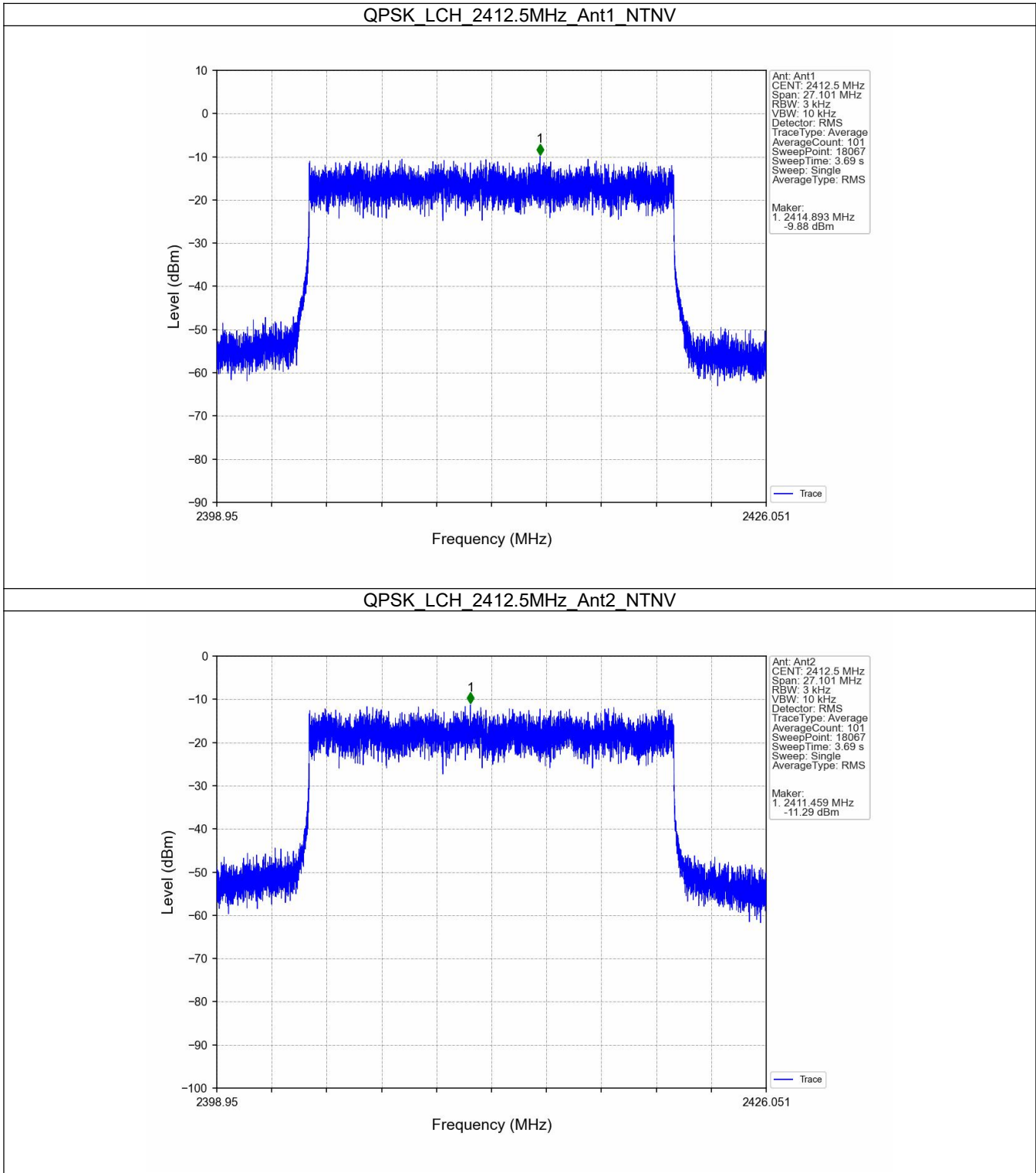
4.1 Test Result

4.1.1 PSD

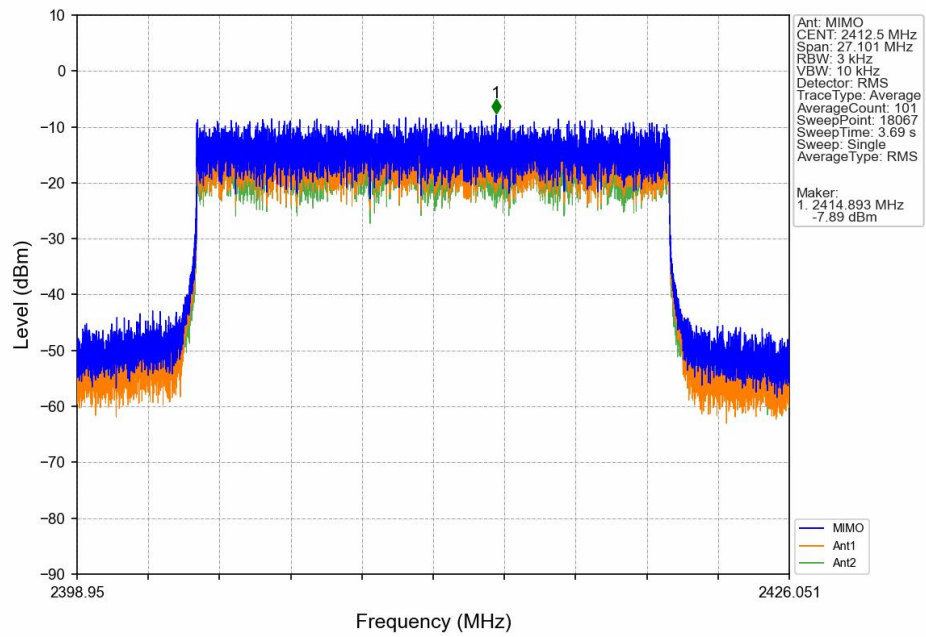
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
QPSK	MIMO	2412.5	-9.88	-11.29	-7.89	<=1.25	Pass
		2439.5	-11.24	-12.58	-9.33	<=1.25	Pass
		2462.5	-11.69	-13.37	-9.85	<=1.25	Pass
16QAM	MIMO	2412.5	-11.10	-12.56	-9.25	<=1.25	Pass
		2439.5	-11.25	-13.28	-9.46	<=1.25	Pass
		2462.5	-11.78	-13.24	-9.97	<=1.25	Pass
Note1: Antenna Gain: Ant1: 9.74dBi; Ant2: 9.74dBi; Note2: Directional Gain: Band1: 12.75dBi							

4.2 Test Graph

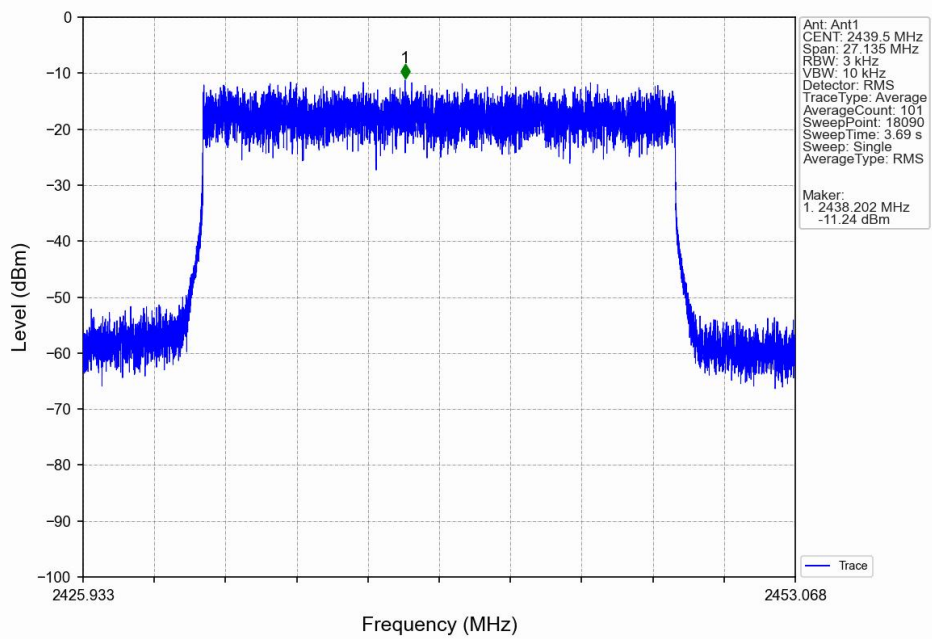
4.2.1 PSD



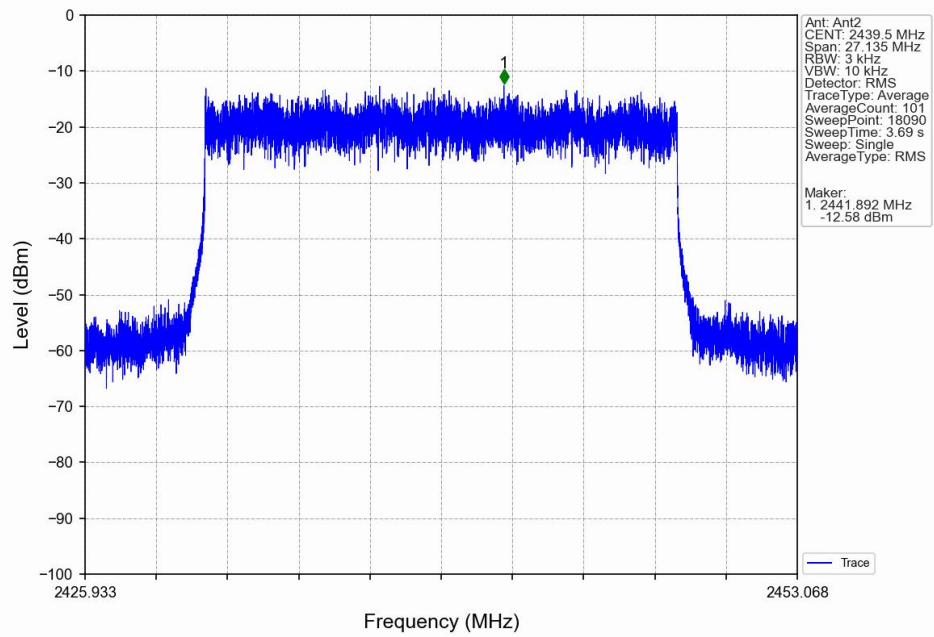
QPSK_LCH_2412.5MHz_MIMO_NTNV



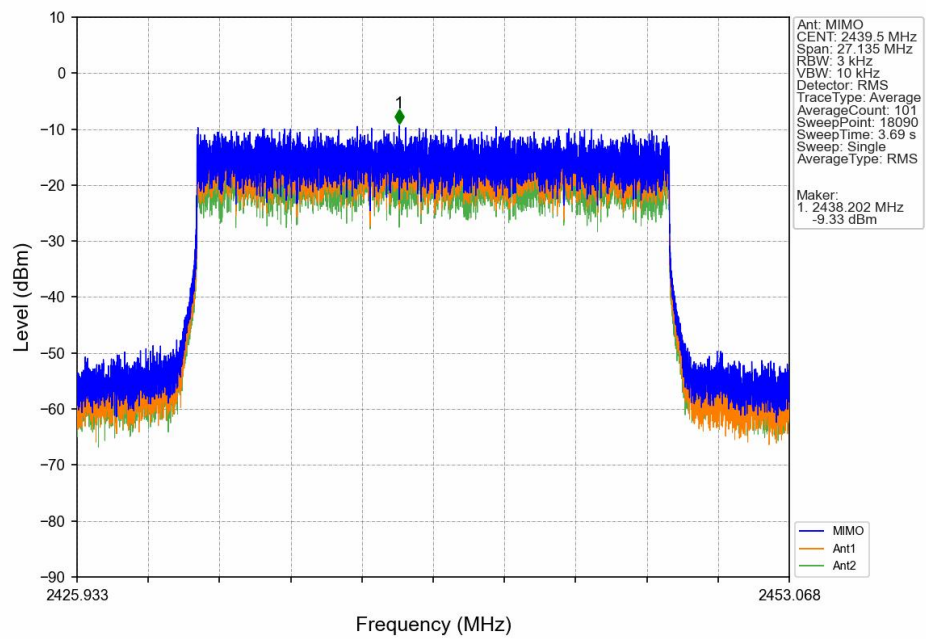
QPSK_MCH_2439.5MHz_Ant1_NTNV



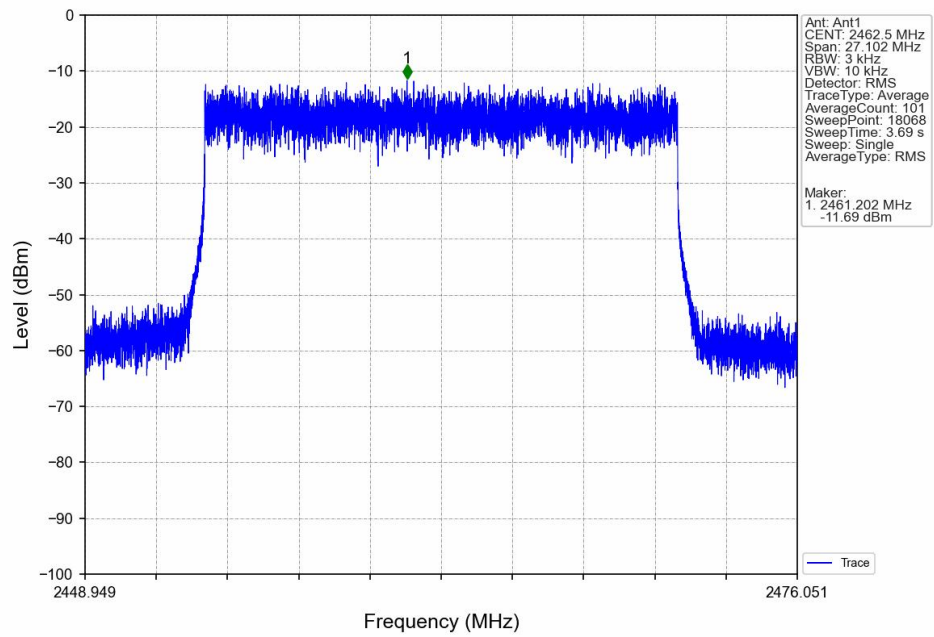
QPSK_MCH_2439.5MHz_Ant2_NTNV



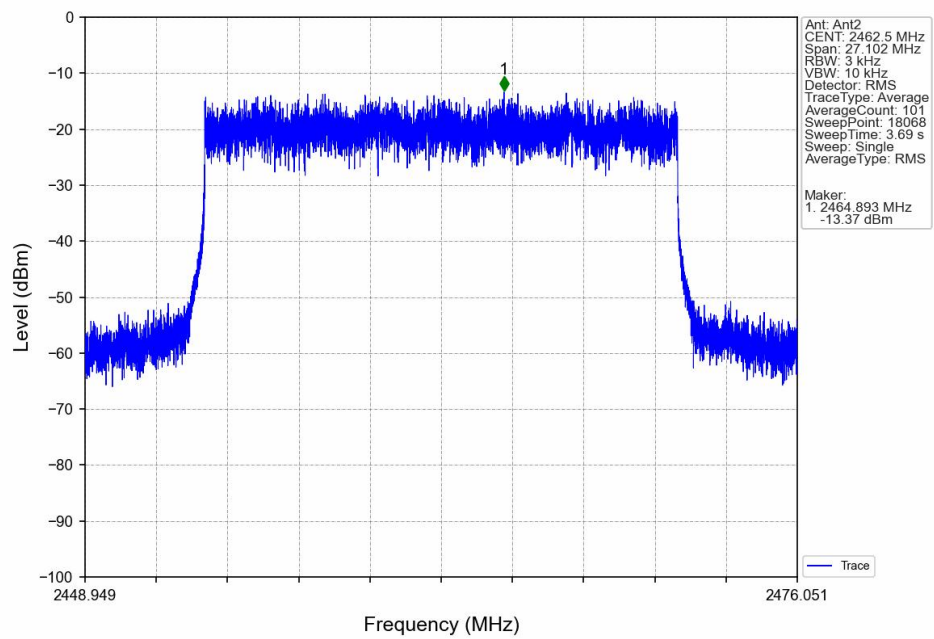
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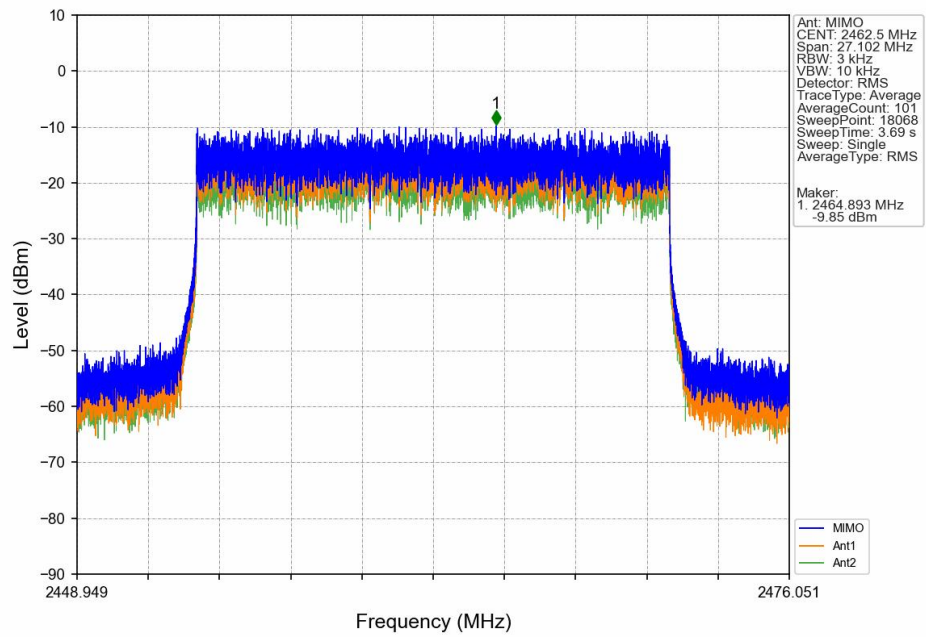
QPSK_HCH_2462.5MHz_Ant1_NTNV



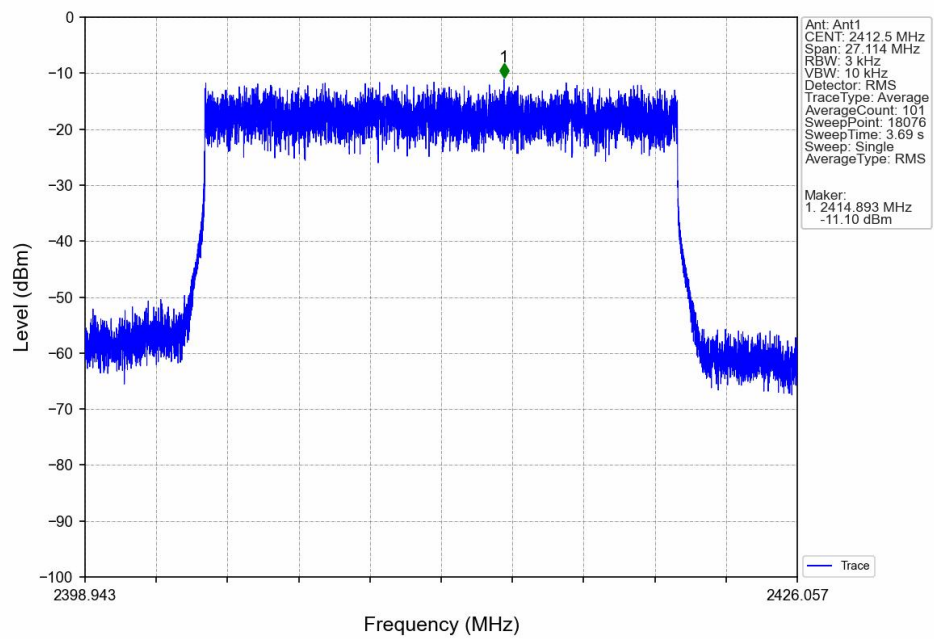
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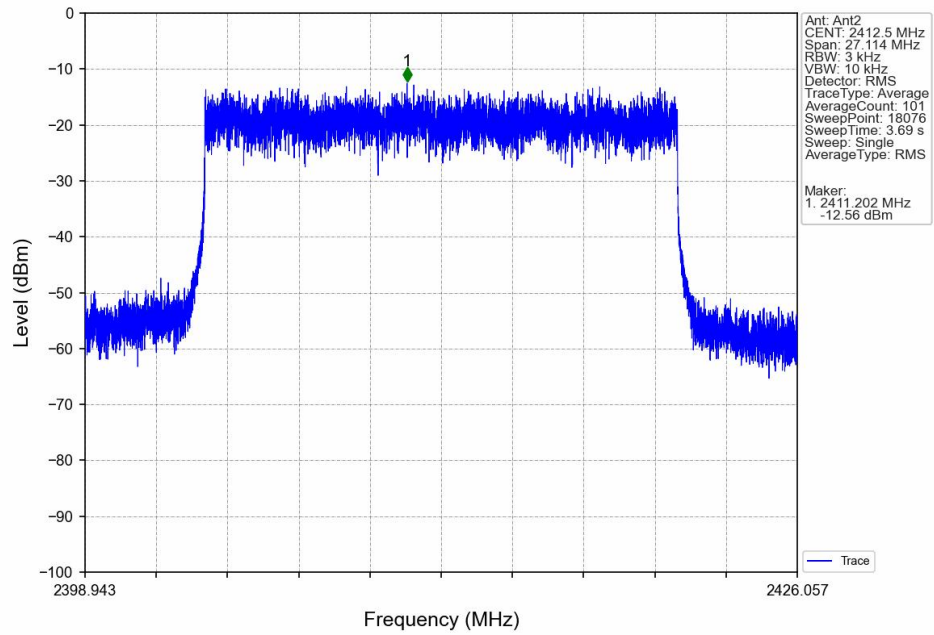
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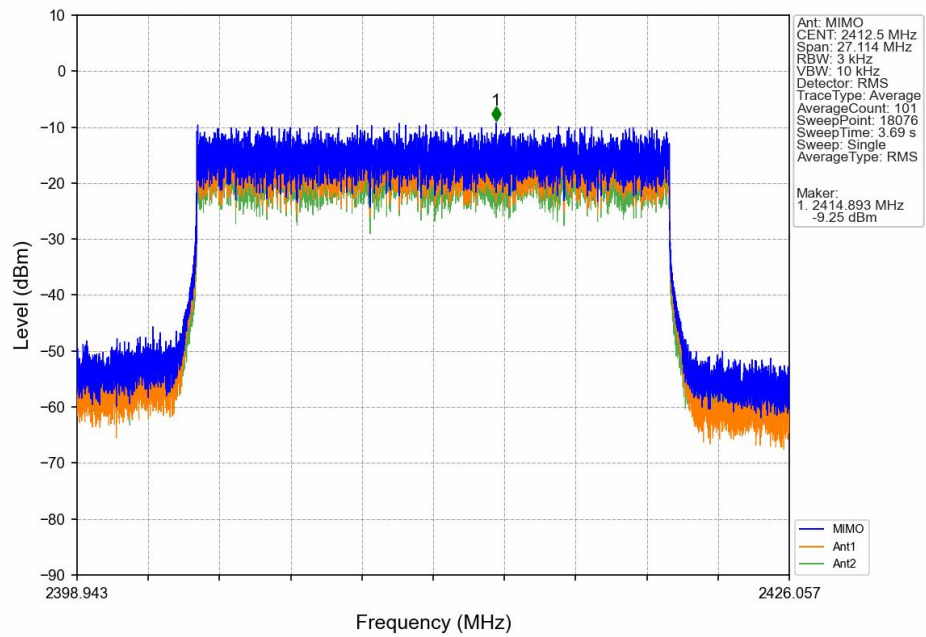
16QAM_LCH_2412.5MHz_Ant1_NTNV



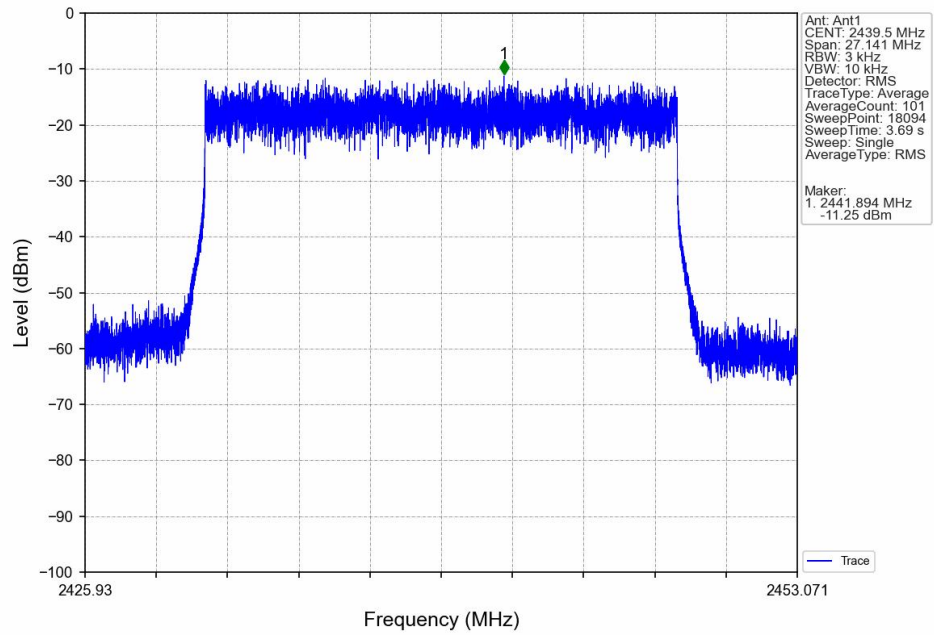
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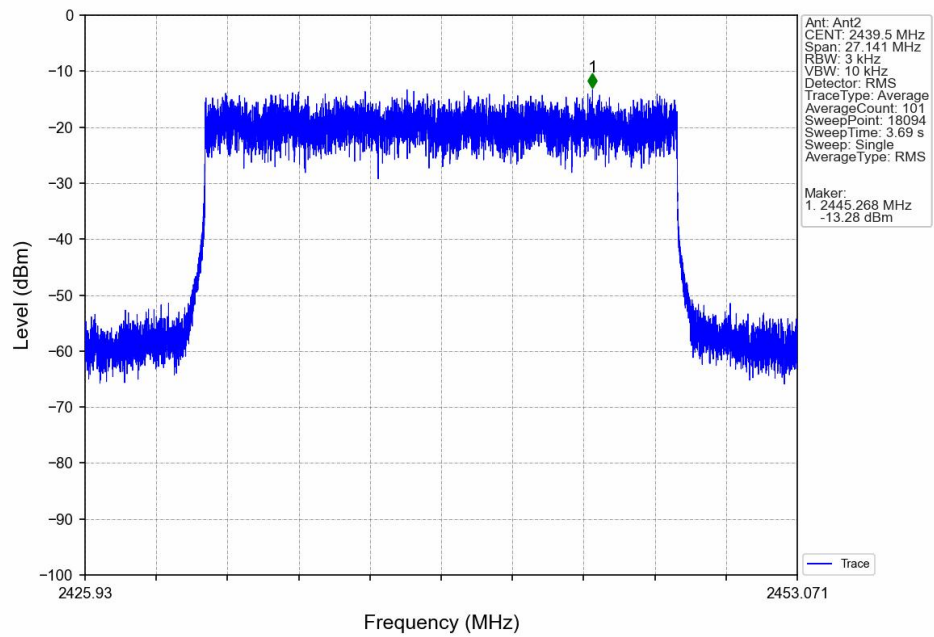
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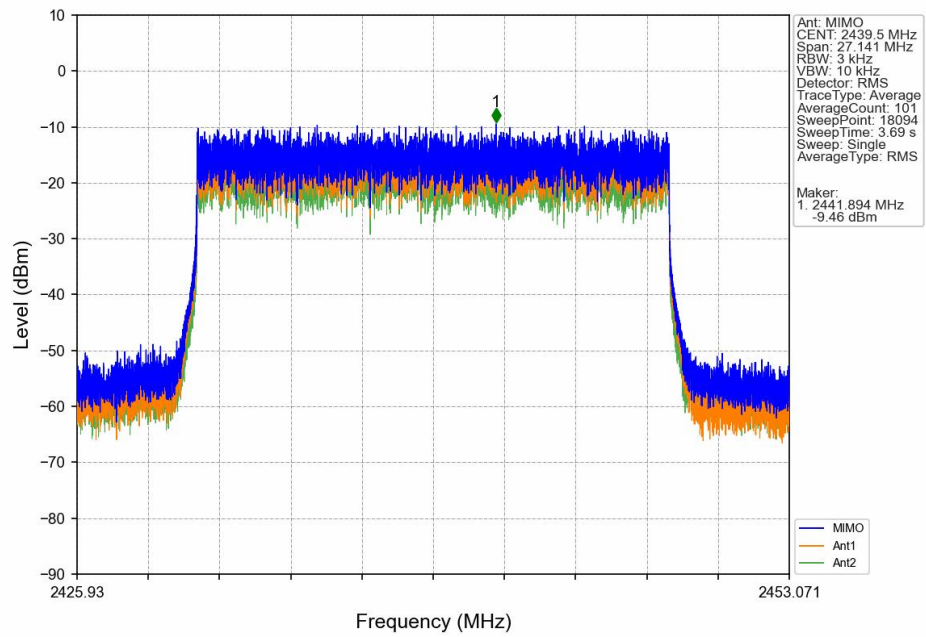
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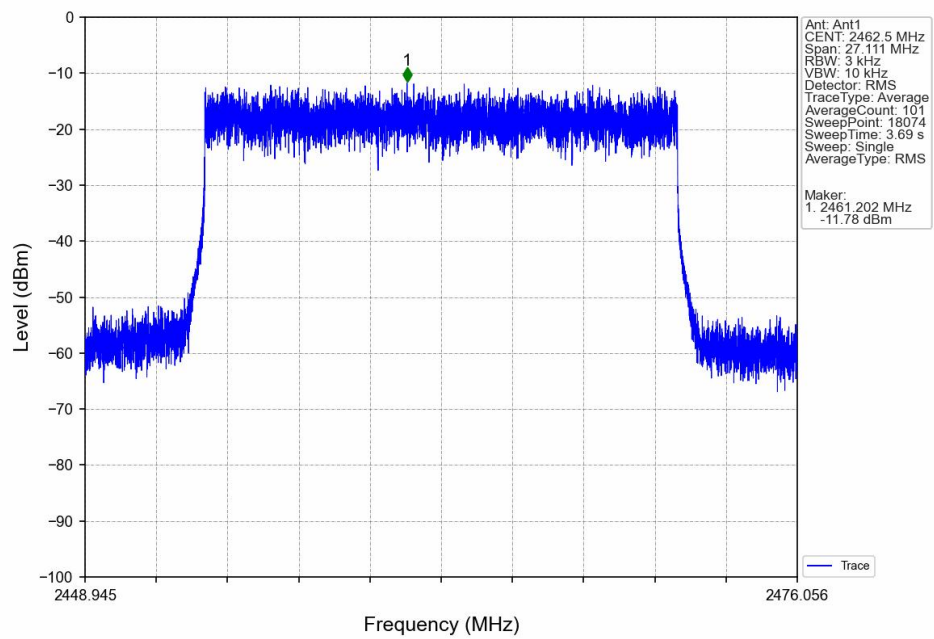
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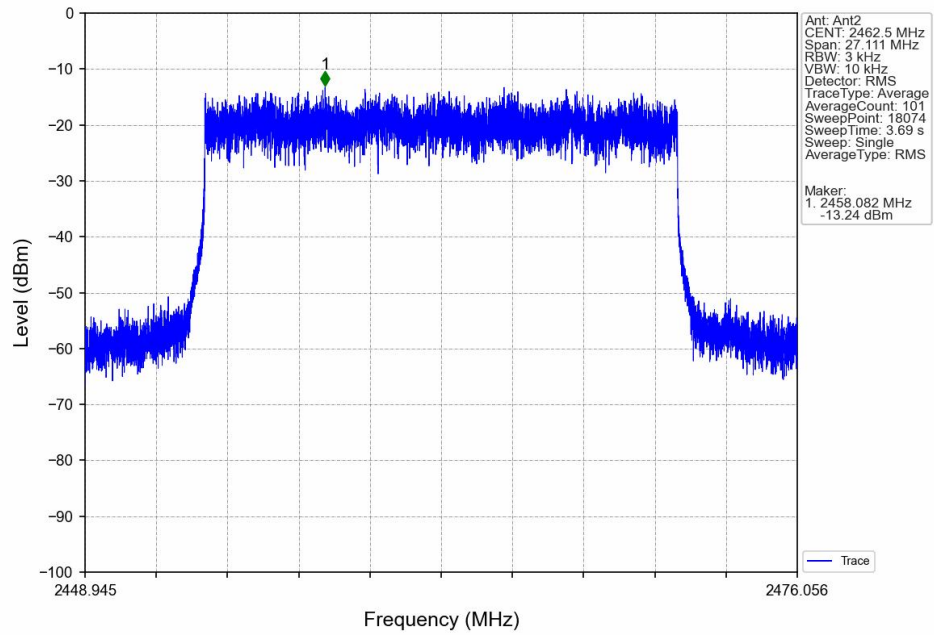
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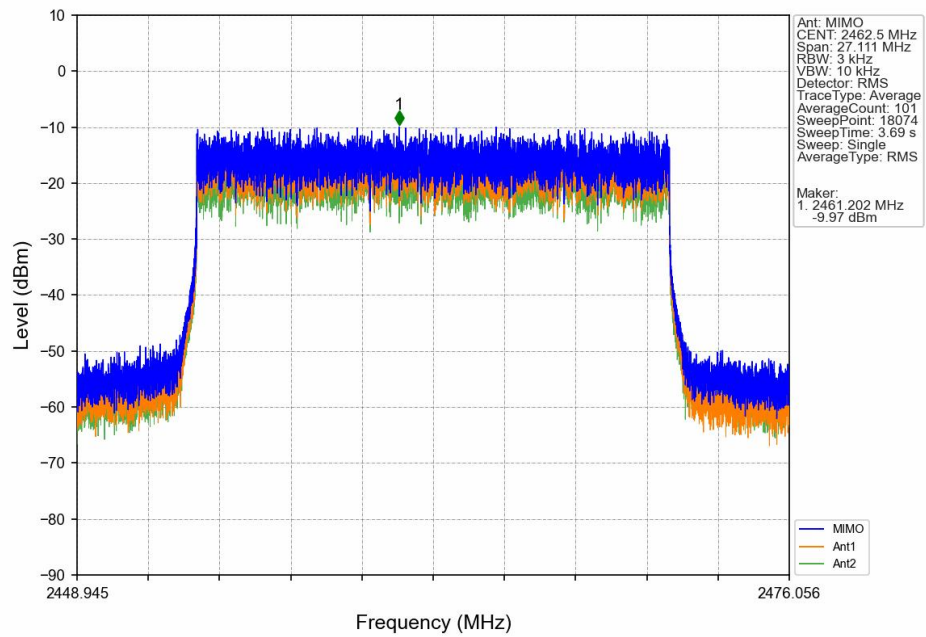
16QAM_HCH_2462.5MHz_Ant1_NTNV



16QAM_HCH_2462.5MHz_Ant2_NTNV



16QAM_HCH_2462.5MHz_MIMO_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

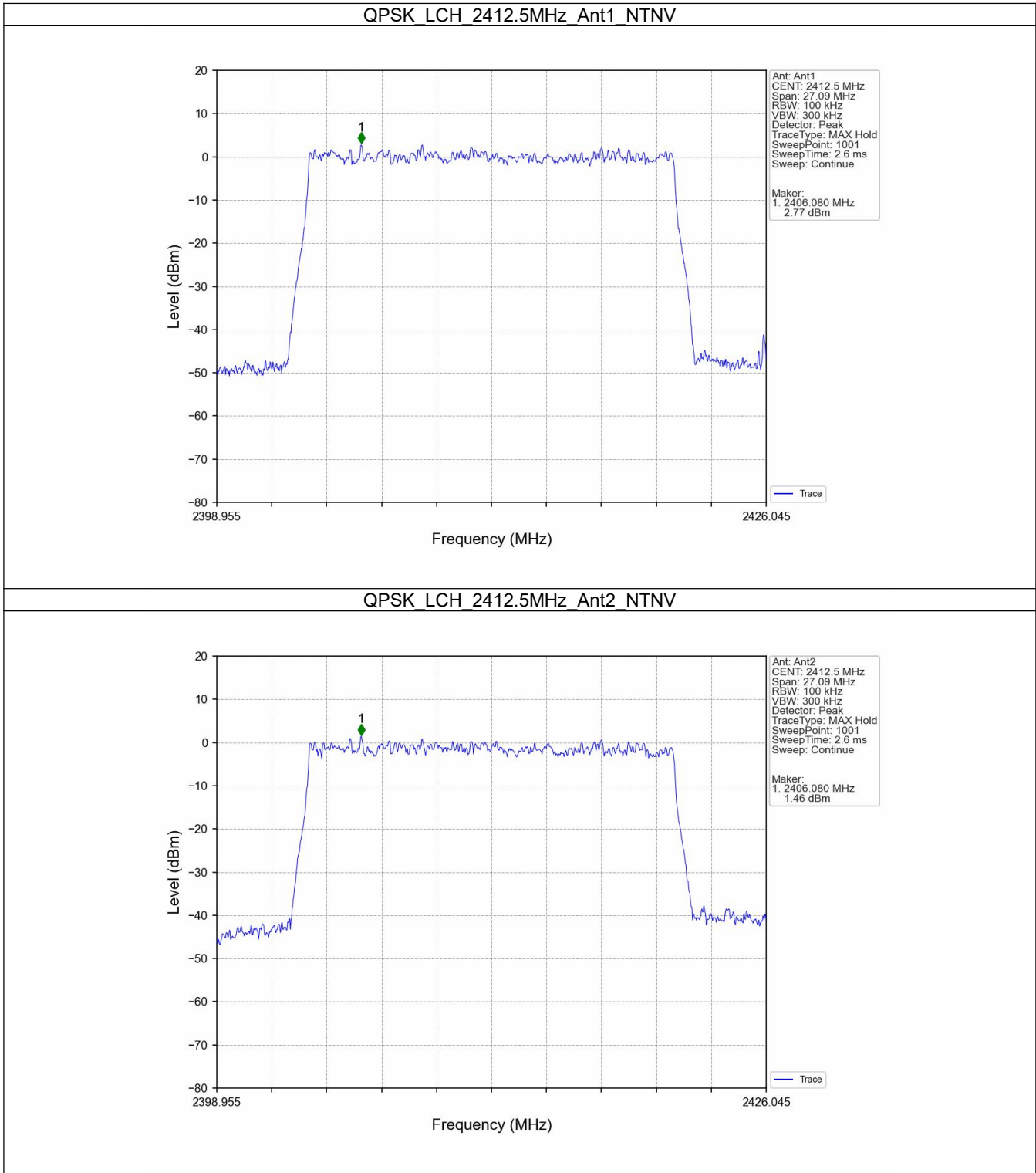
Mode	Tx Type	Frequency (MHz)	ANT	Level of Reference (dBm)
QPSK	MIMO	2412.5	1	2.77
			2	1.46
		2439.5	1	2.82
			2	0.89
		2462.5	1	2.42
			2	0.90
16QAM	MIMO	2412.5	1	2.84
			2	1.50
		2439.5	1	2.74
			2	0.84
		2462.5	1	0.54
			2	-1.15
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

5.1.2 CSE

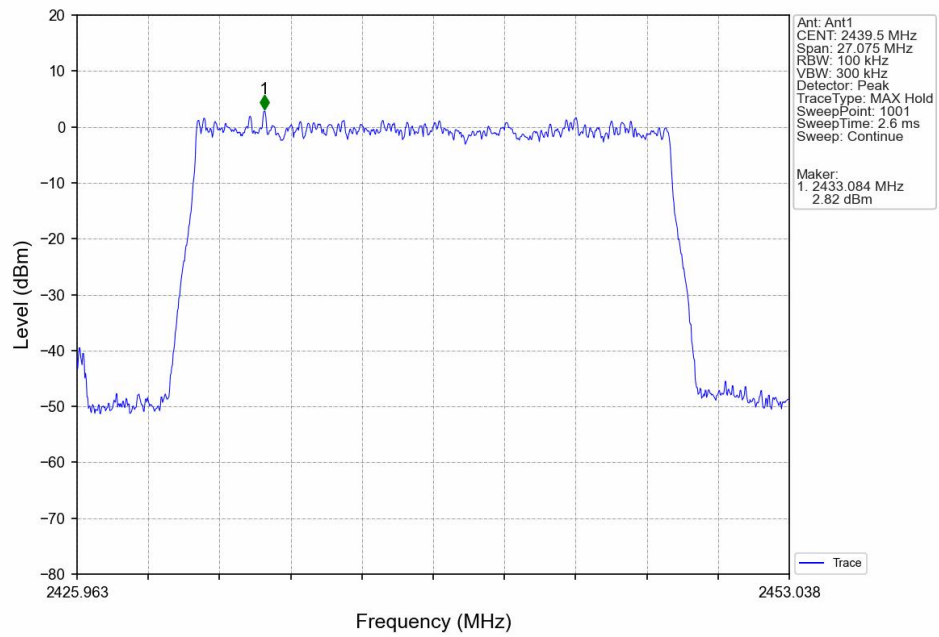
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
QPSK	MIMO	2412.5	1	2.82	-27.18	Pass
			2	1.46	-28.54	Pass
		2439.5	1	2.82	-27.18	Pass
			2	1.46	-28.54	Pass
		2462.5	1	2.82	-27.18	Pass
			2	1.46	-28.54	Pass
16QAM	MIMO	2412.5	1	2.84	-27.16	Pass
			2	1.50	-28.50	Pass
		2439.5	1	2.84	-27.16	Pass
			2	1.50	-28.50	Pass
		2462.5	1	2.84	-27.16	Pass
			2	1.50	-28.50	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

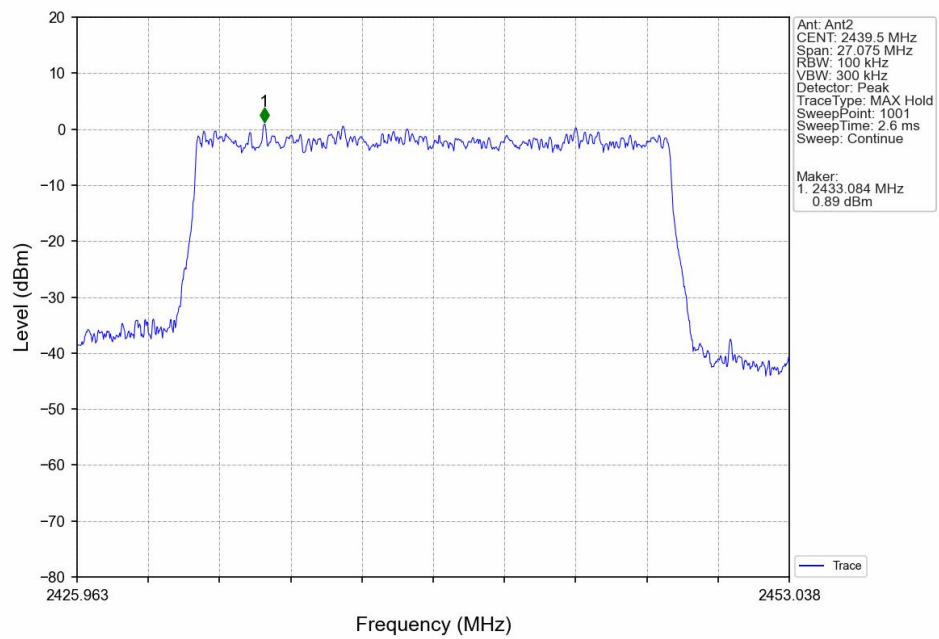
5.2.1 Ref



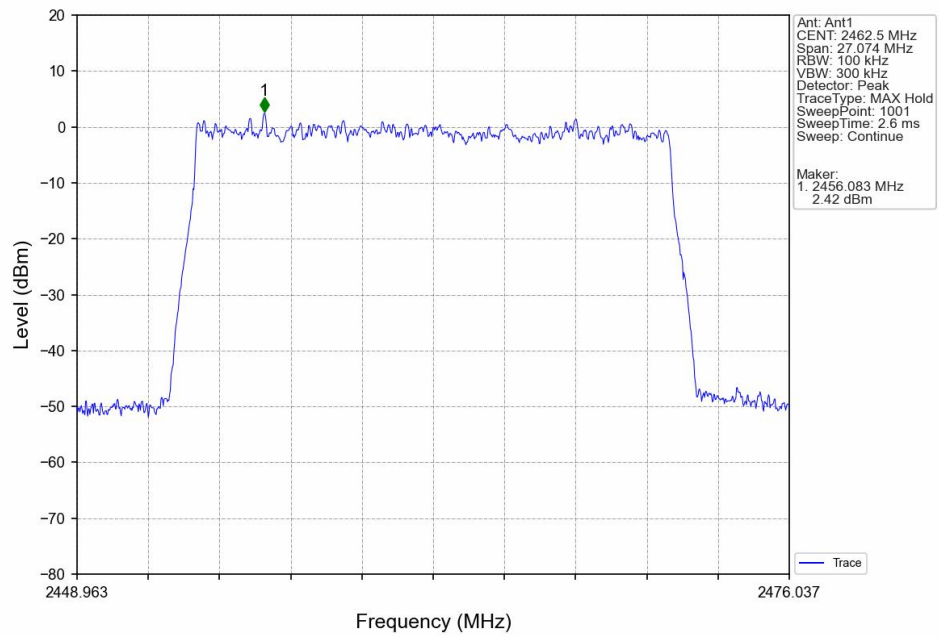
QPSK_MCH_2439.5MHz_Ant1_NTNV



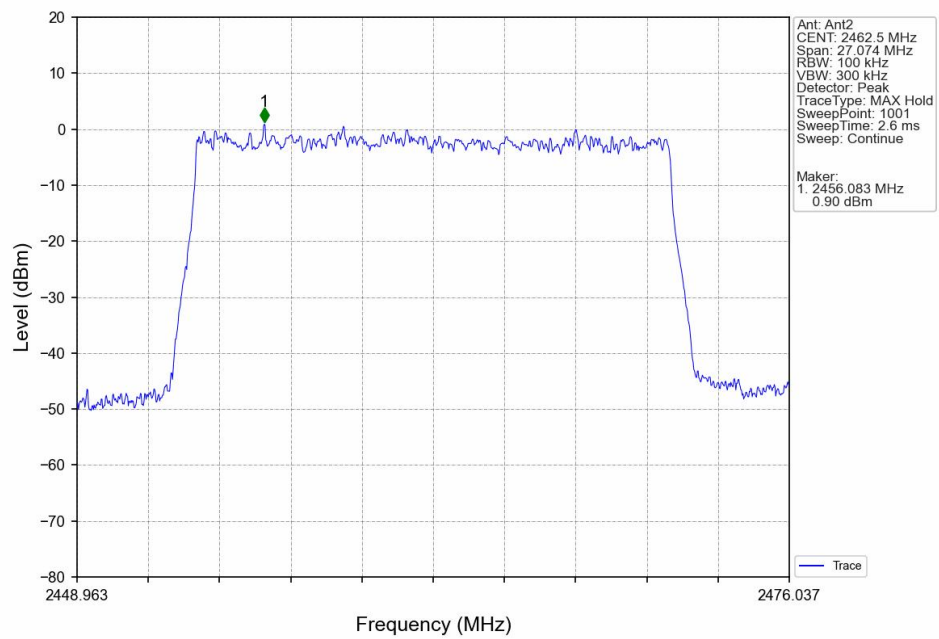
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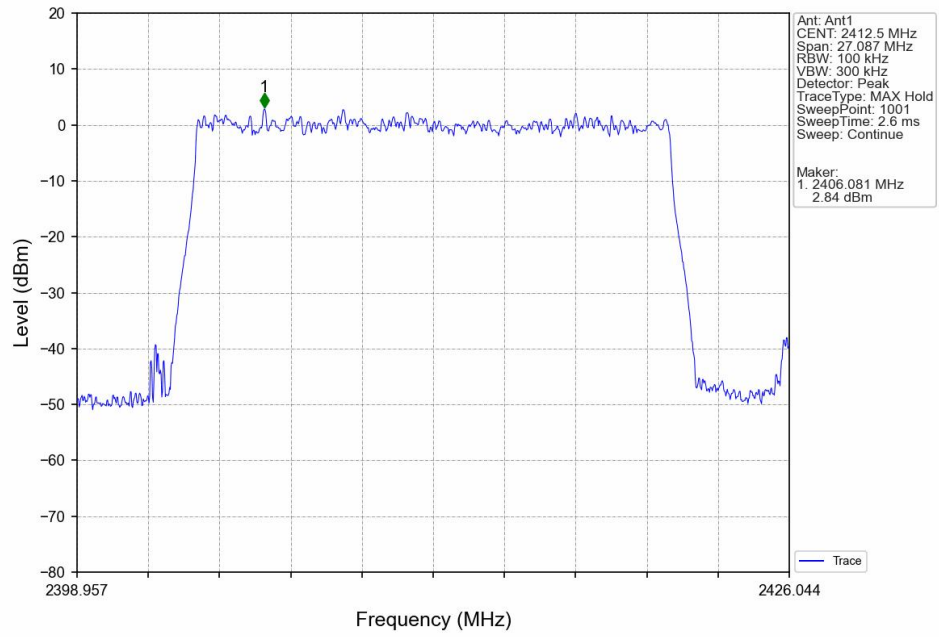
QPSK_HCH_2462.5MHz_Ant1_NTNV



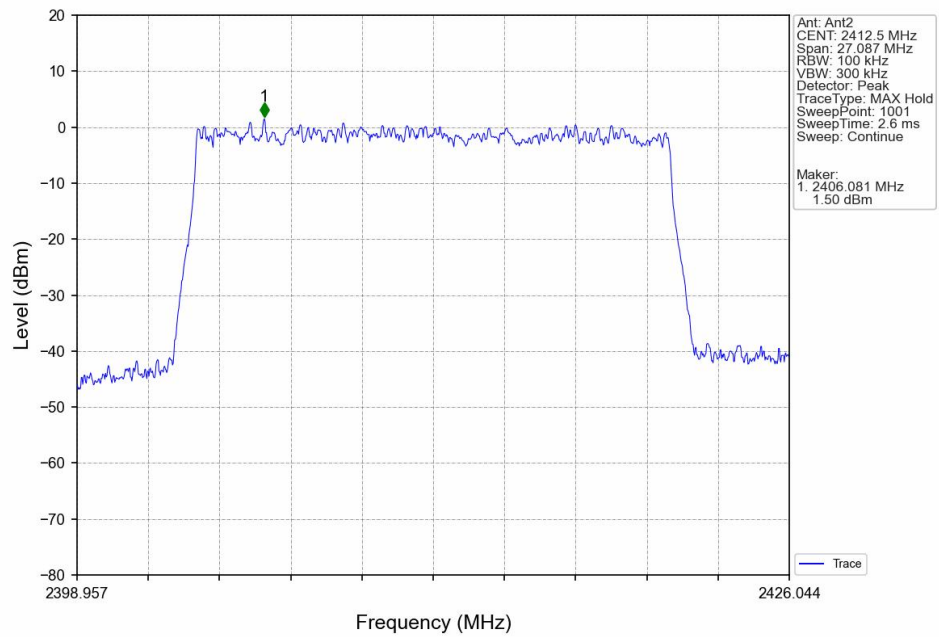
QPSK_HCH_2462.5MHz_Ant2_NTNV



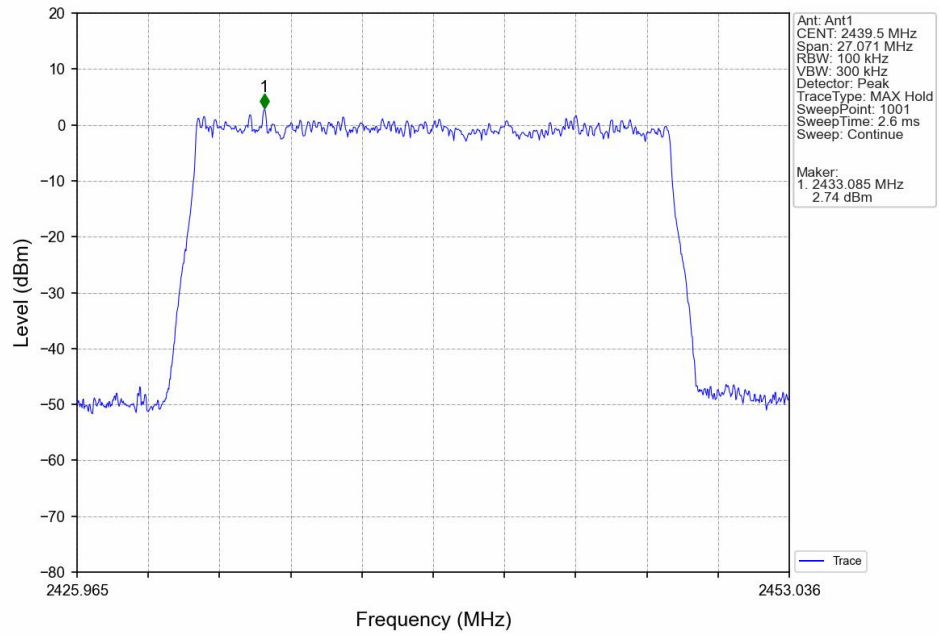
16QAM_LCH_2412.5MHz_Ant1_NTNV



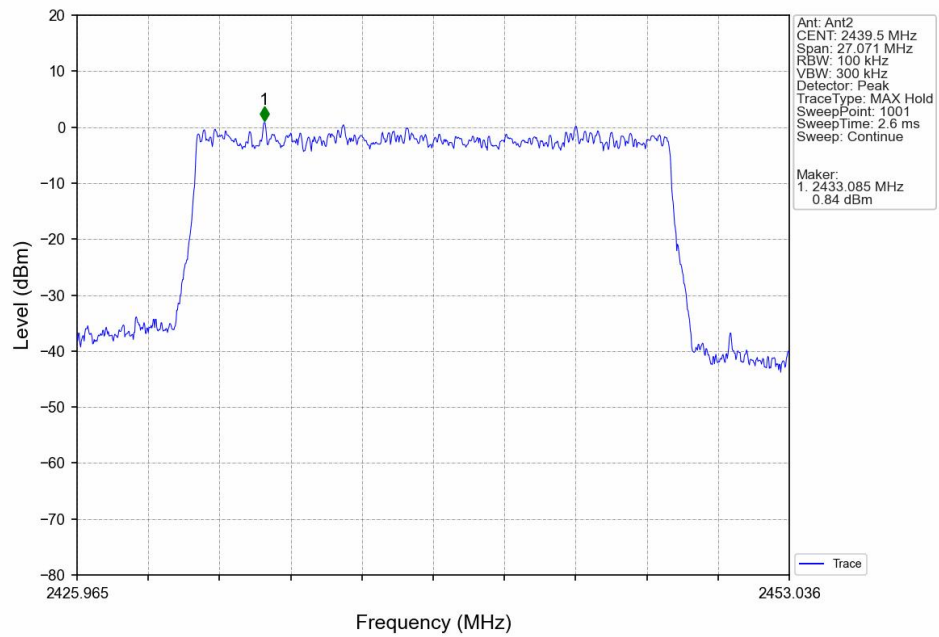
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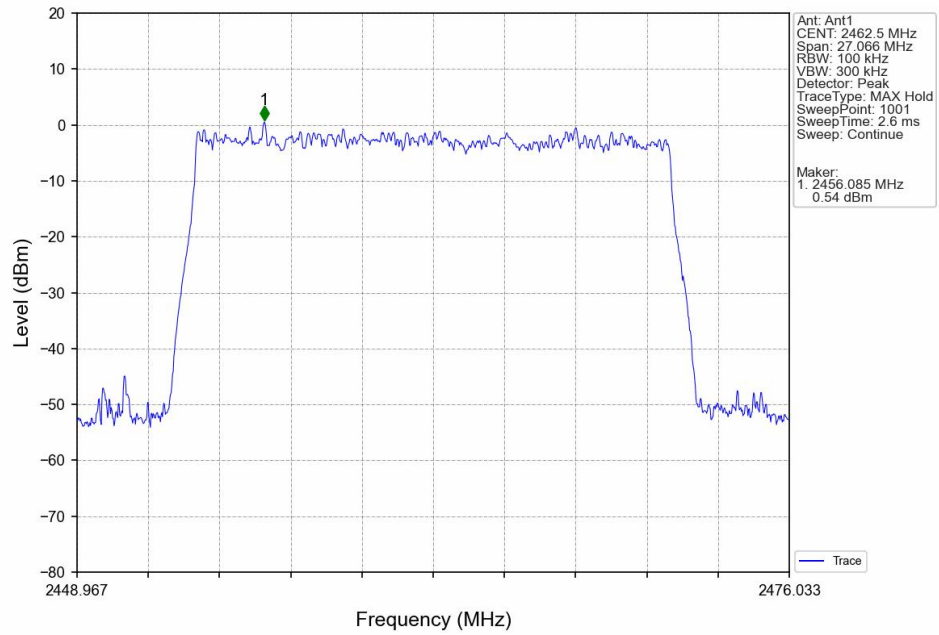
16QAM_MCH_2439.5MHz_Ant1_NTNV



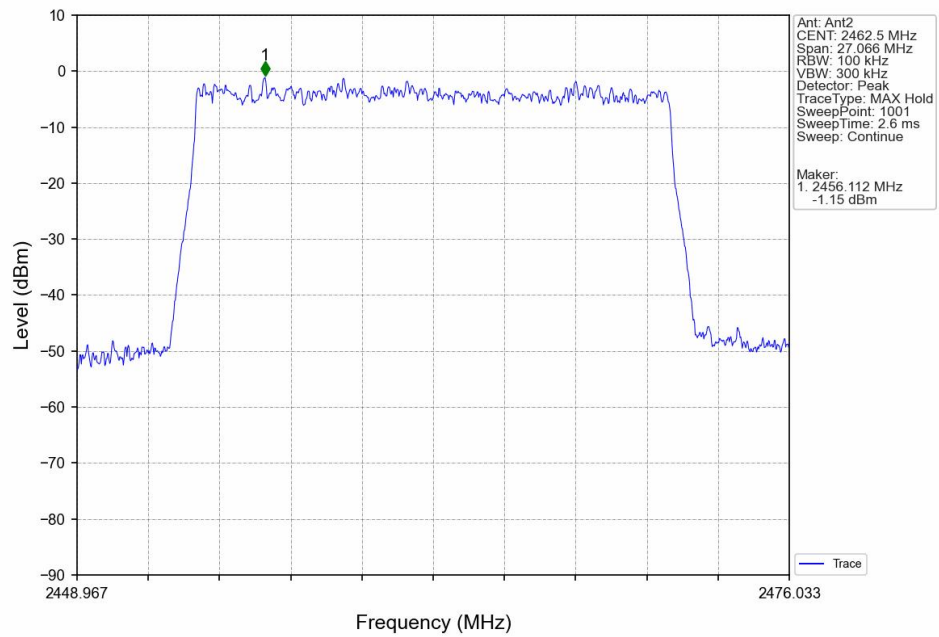
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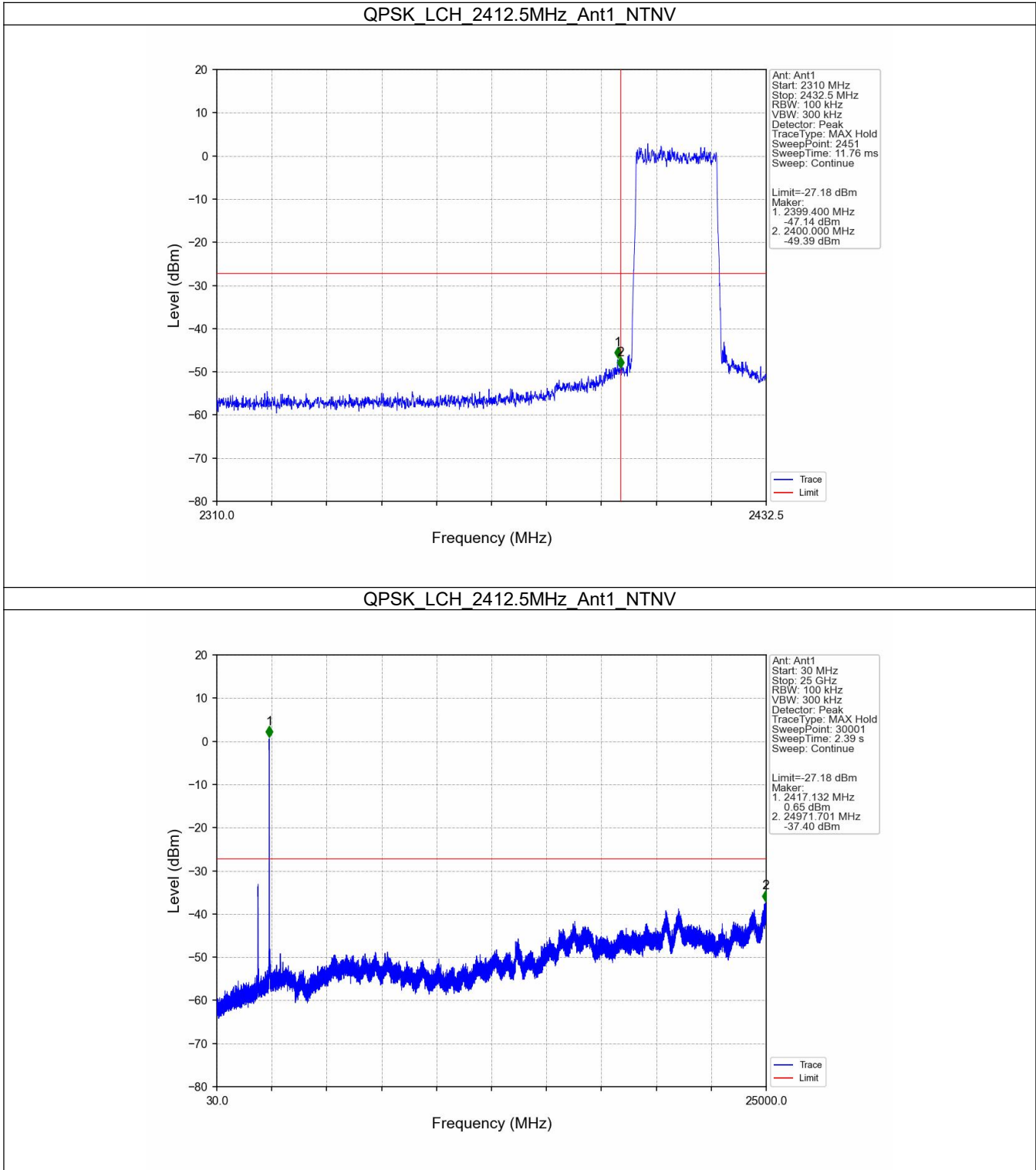
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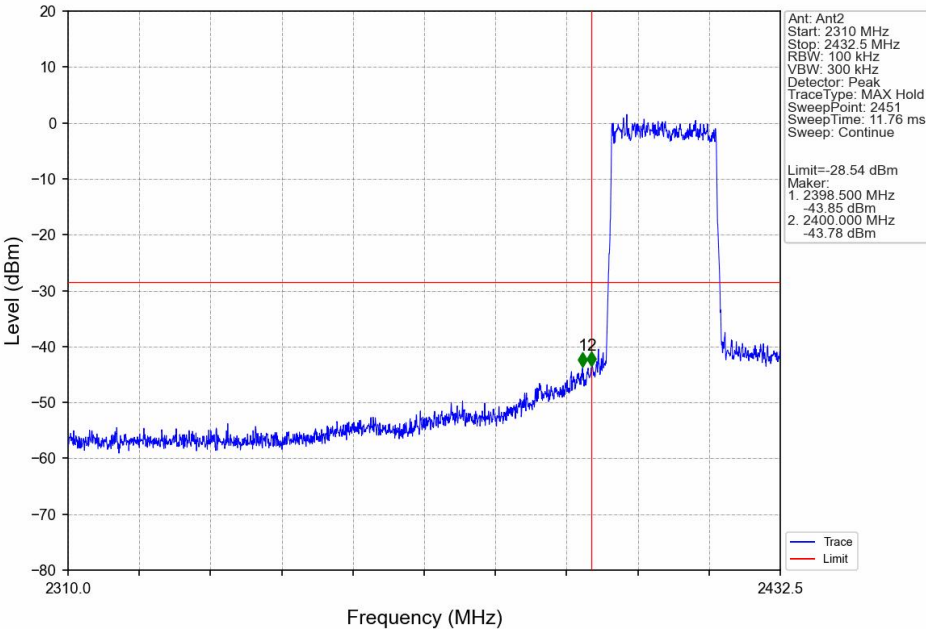
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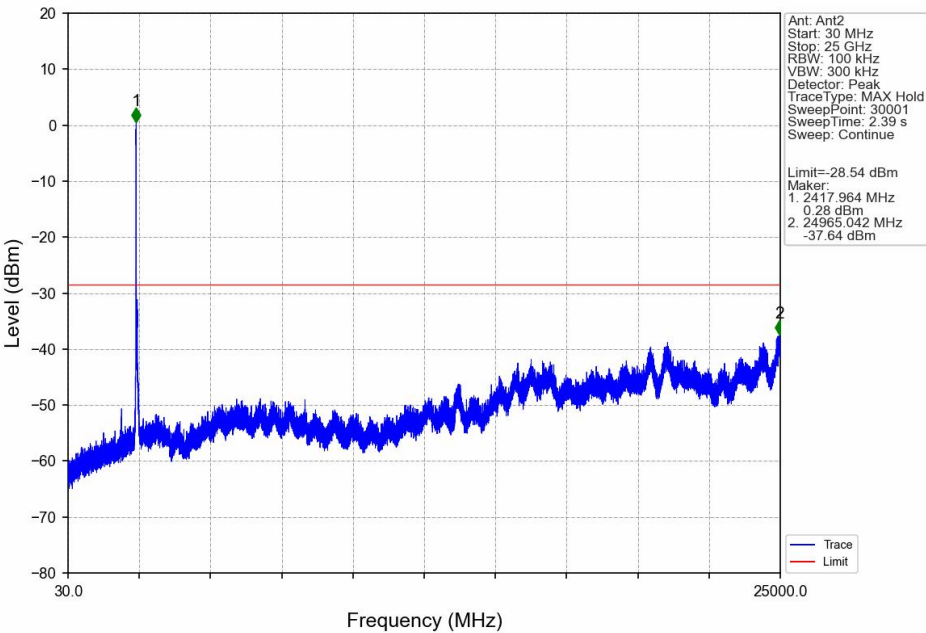
5.2.2 CSE



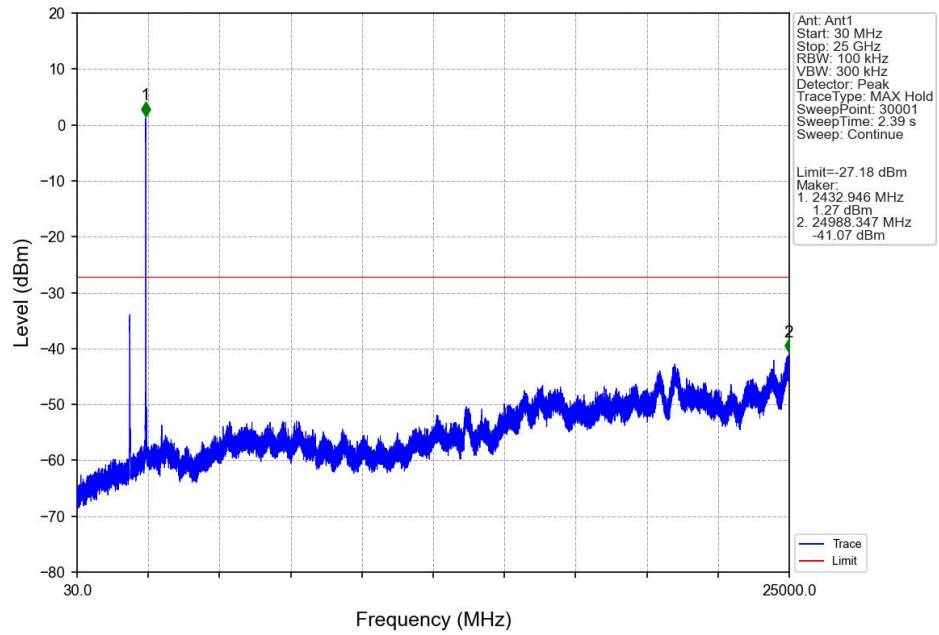
QPSK_LCH_2412.5MHz_Ant2_NTNV



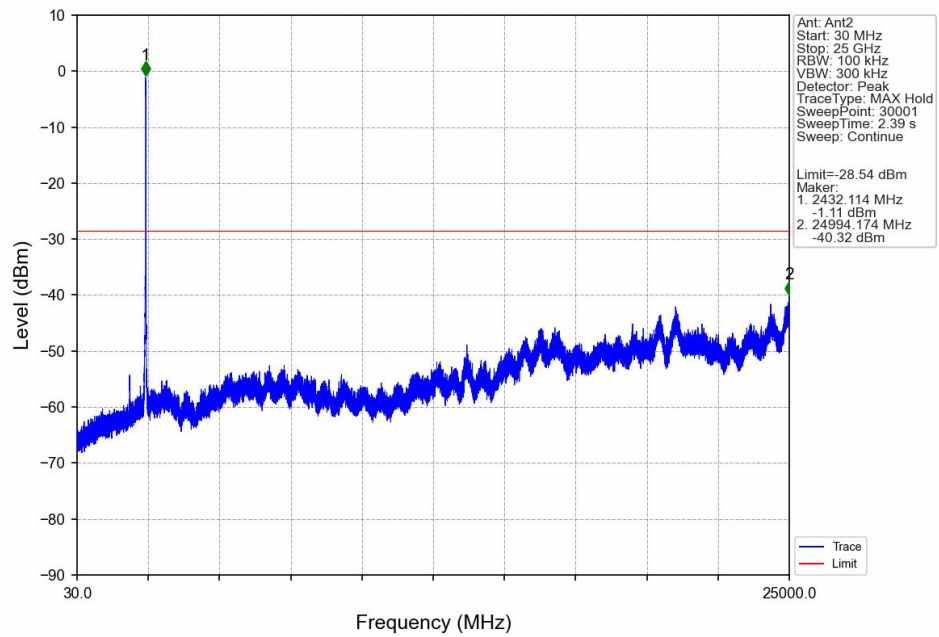
QPSK_LCH_2412.5MHz_Ant2_NTNV



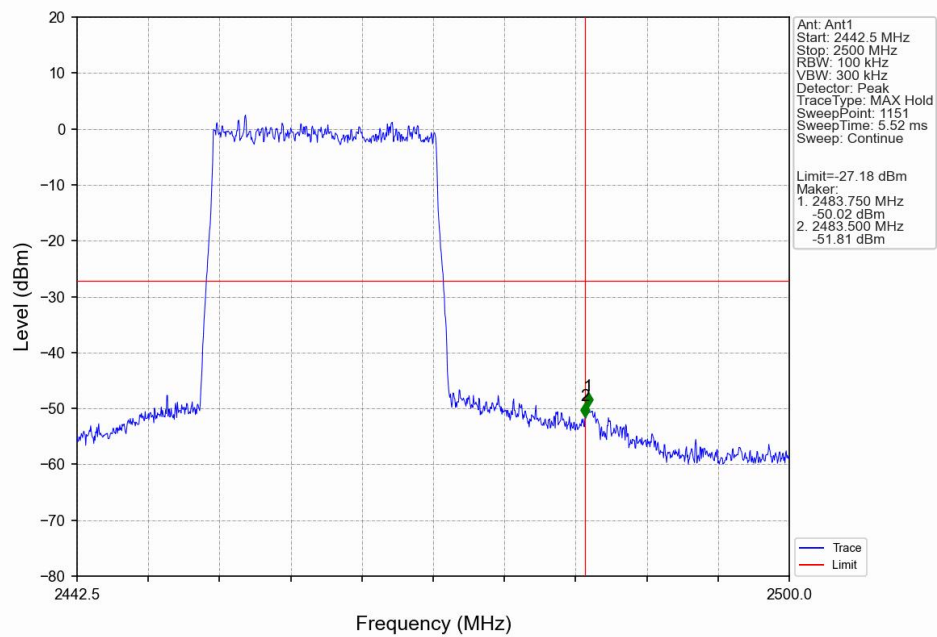
QPSK_MCH_2439.5MHz_Ant1_NTNV



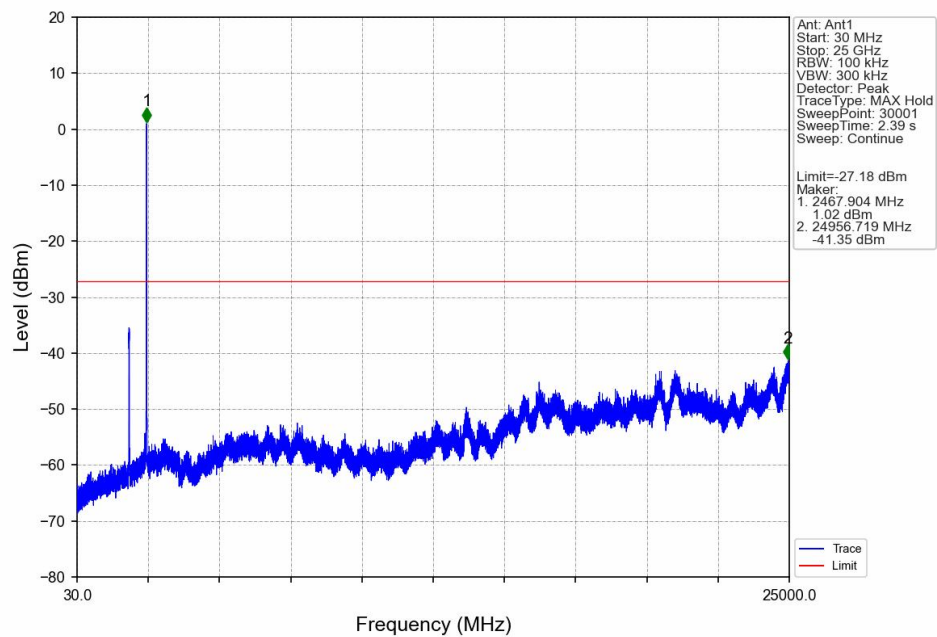
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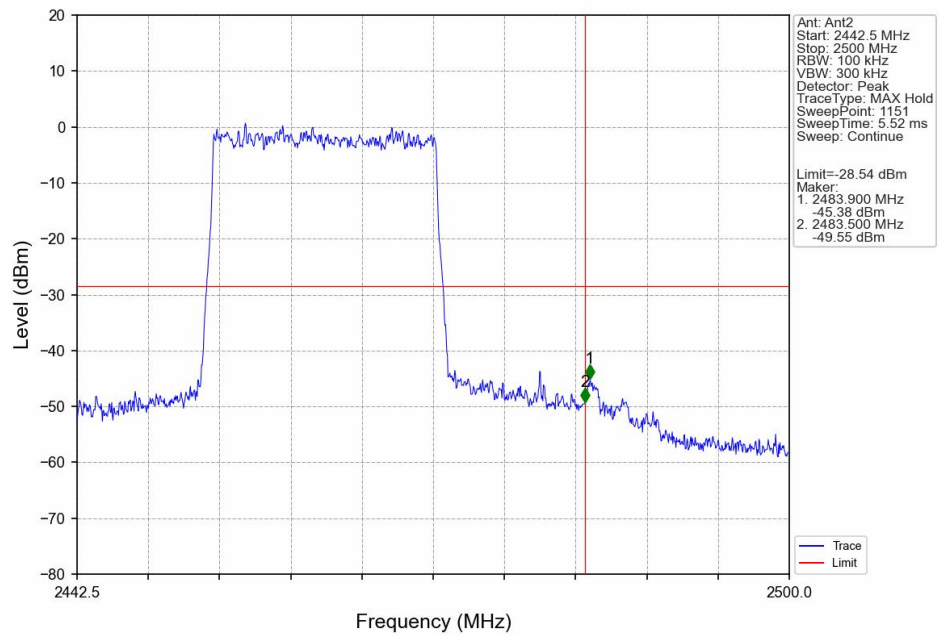
QPSK_HCH_2462.5MHz_Ant1_NTNV



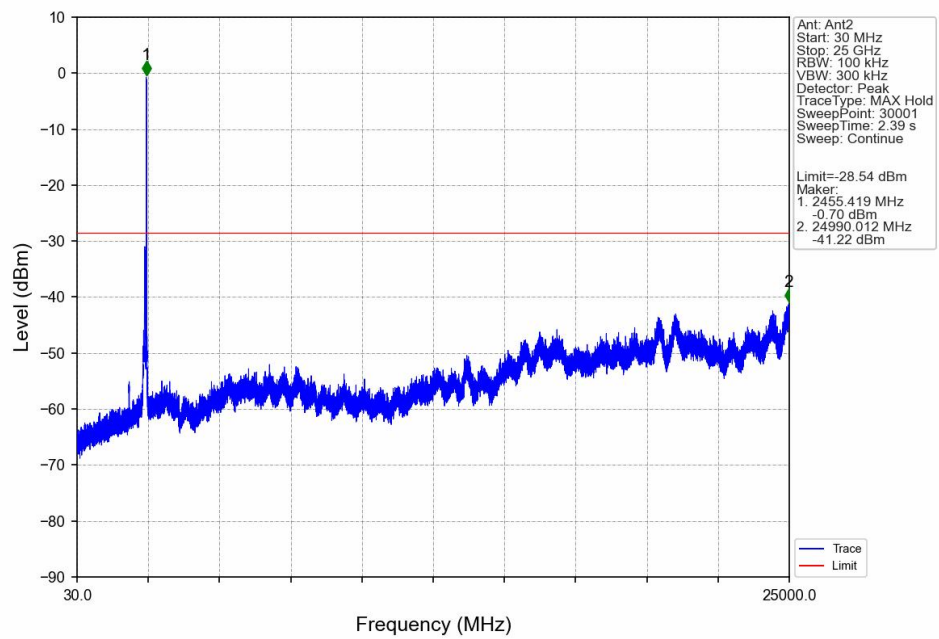
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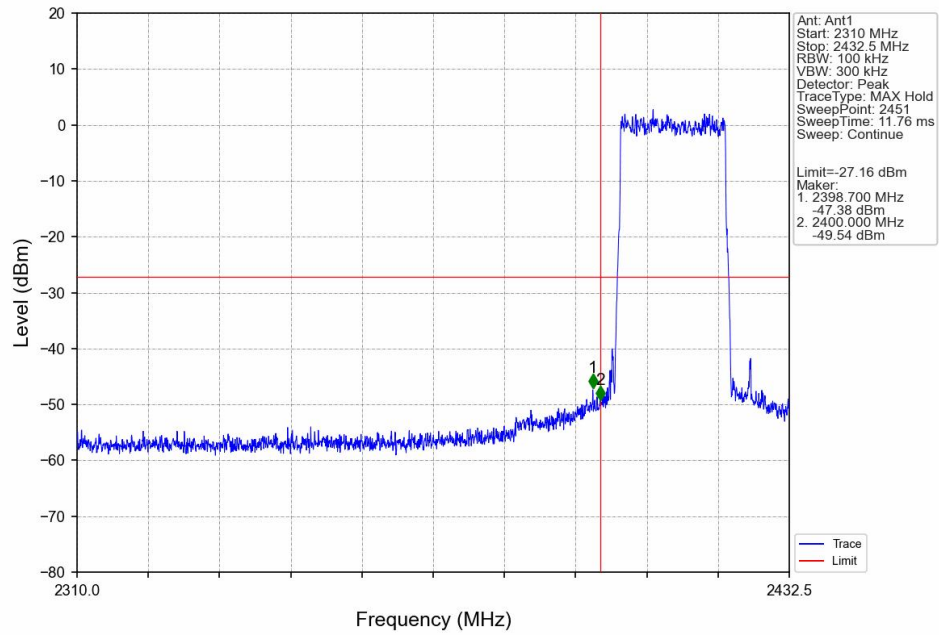
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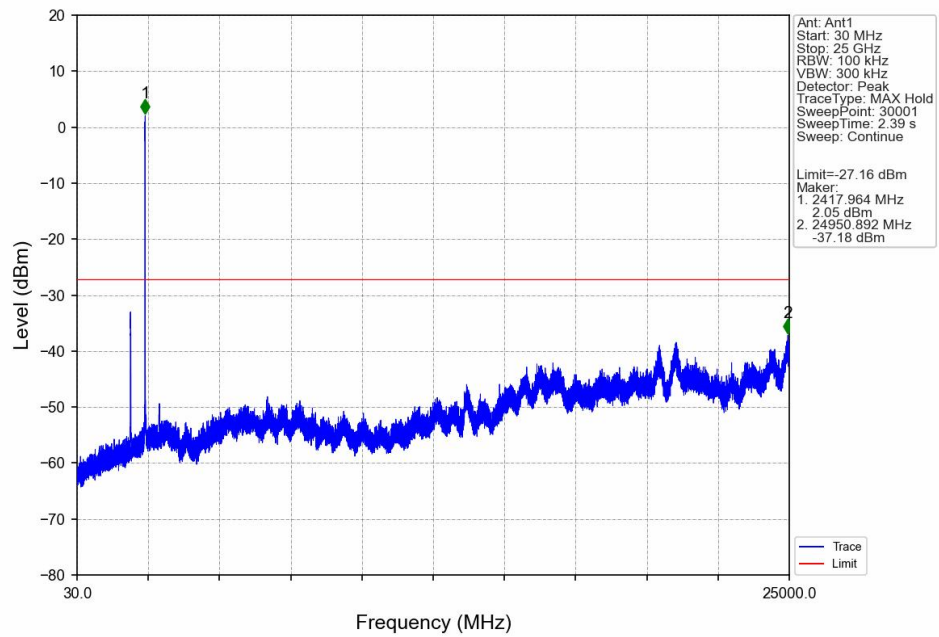
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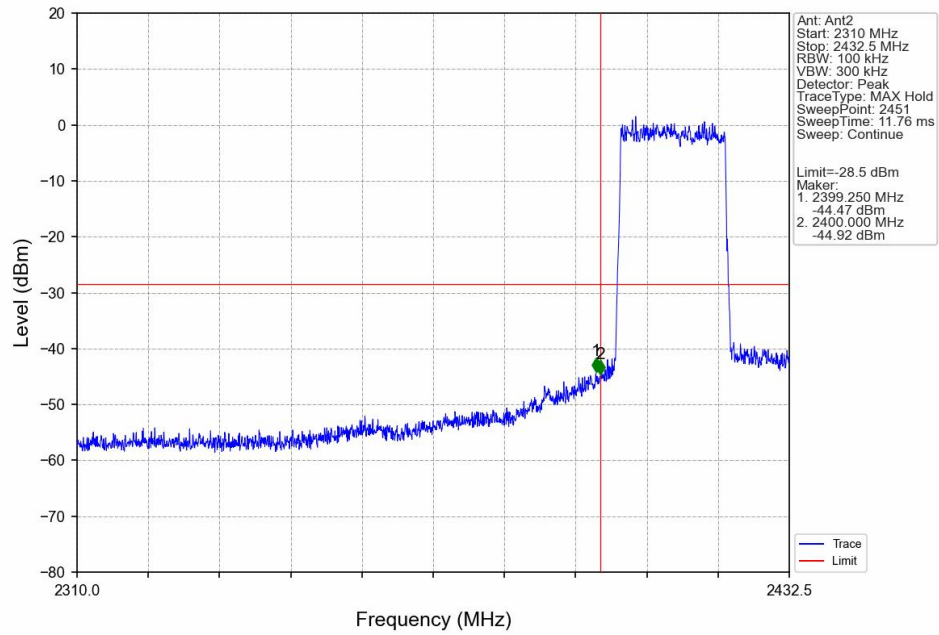
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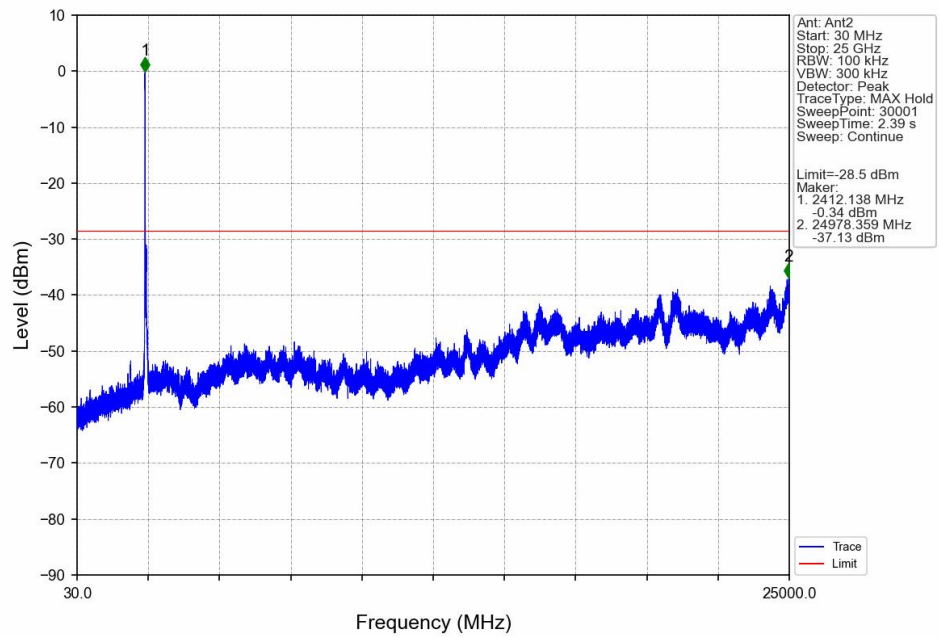
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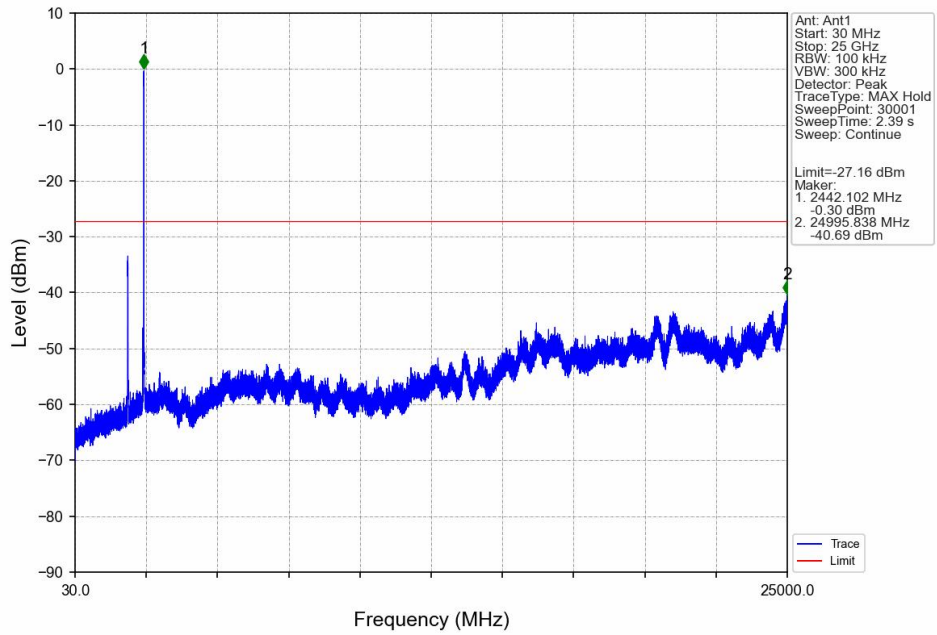
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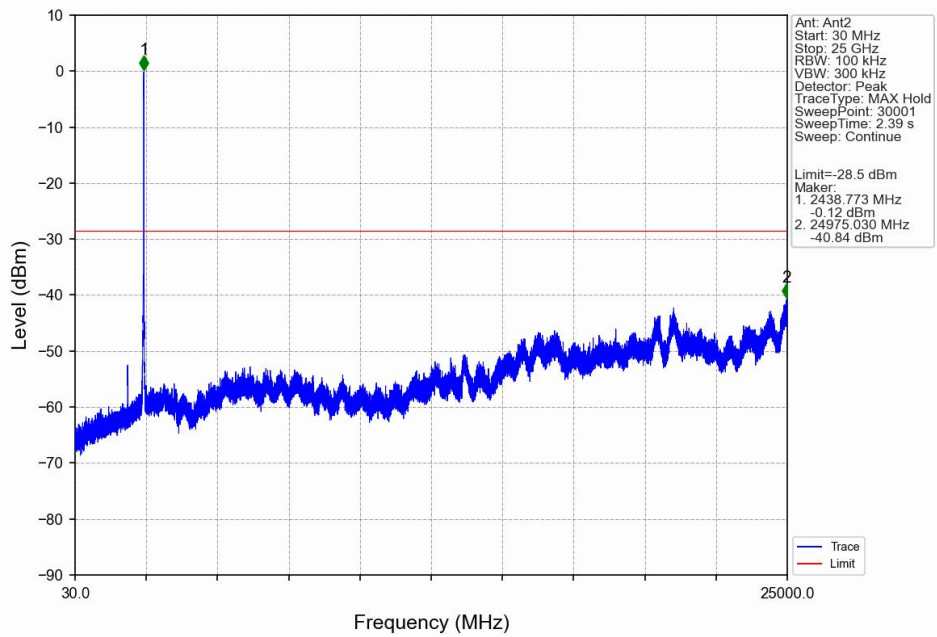
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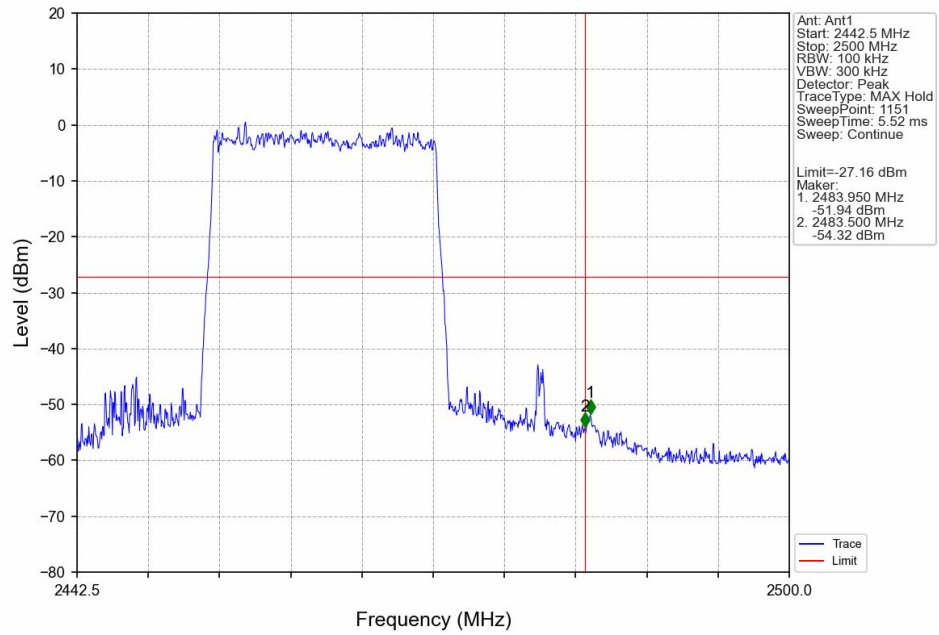
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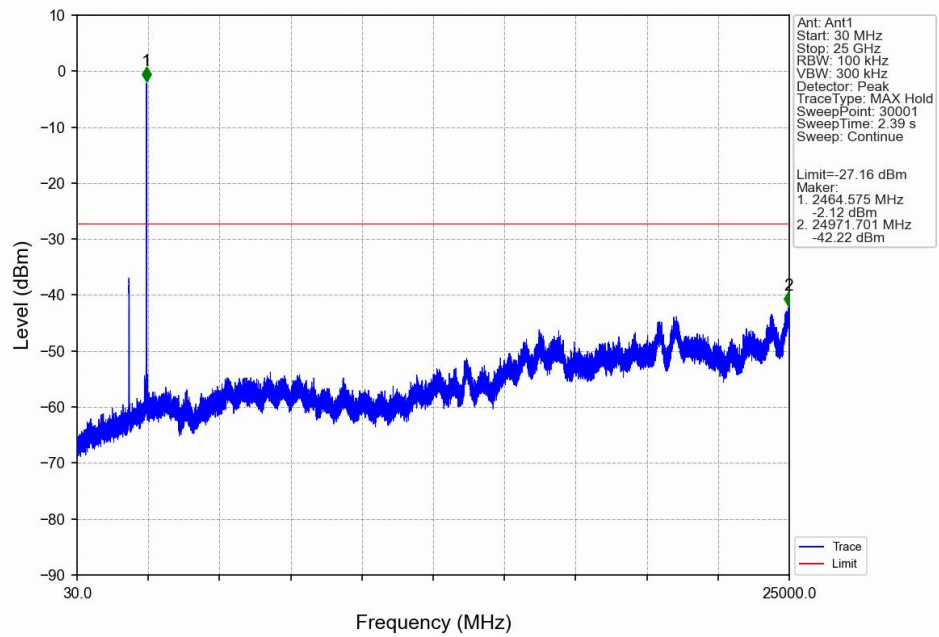
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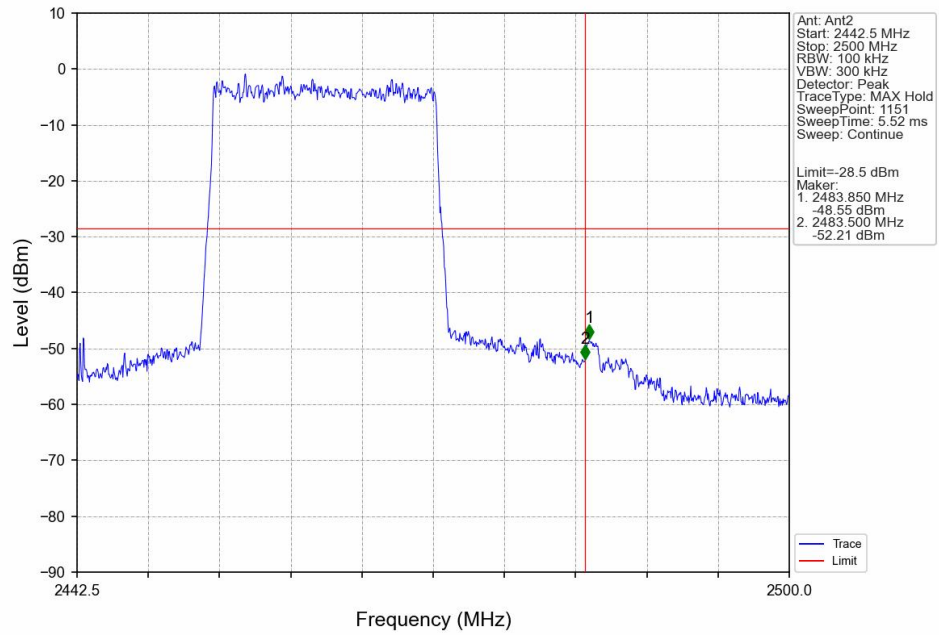
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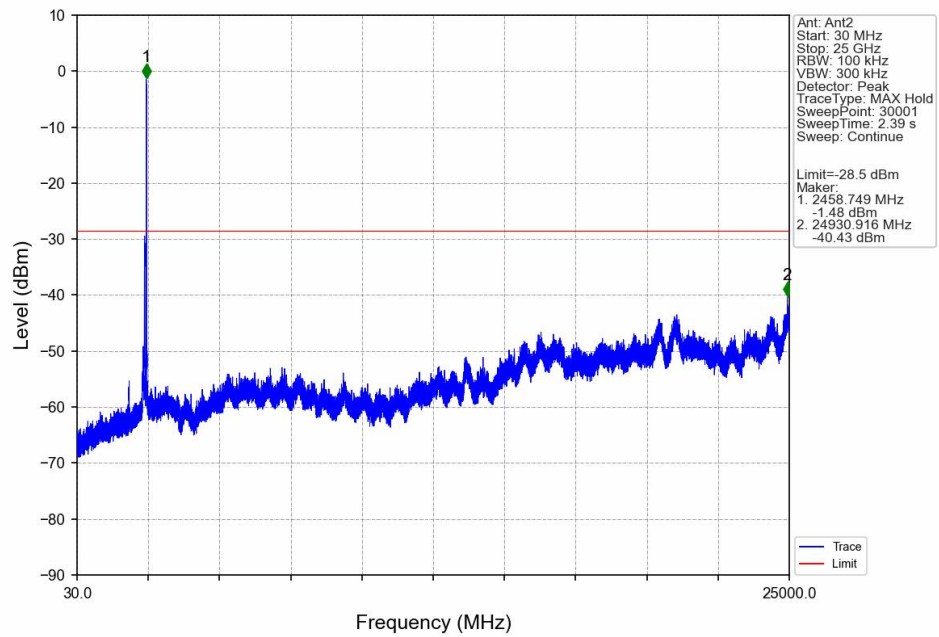
16QAM_HCH_2462.5MHz_Ant1_NTNV



16QAM_HCH_2462.5MHz_Ant2_NTNV



16QAM_HCH_2462.5MHz_Ant2_NTNV



6. Form731

6.1 Test Result

6.1.1 Form731

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
2412.5	2462.5	0.2089	23.20