

ANNEX D TEST DATA

For

Project No.:	8329EU010806W
Client:	INMOTION TECHNOLOGIES CO., LTD.
Product Description:	Electric Scooter
Model No.:	RS Jet
FCC ID:	2ADUSRSJET
Technology:	Bluetooth BLE
Test Engineer:	<i>Mikoy zhu</i>
Test Date:	2025-09-22

Test Summary

Item	Result
Duty Cycle	Pass
Bandwidth	Pass
Maximum Conducted Output Power	Pass
Maximum Power Spectral Density	Pass
Unwanted Emissions In Non-restricted Frequency Bands	Pass
Unwanted Emissions In Restricted Frequency Bands	Pass

1. Duty Cycle

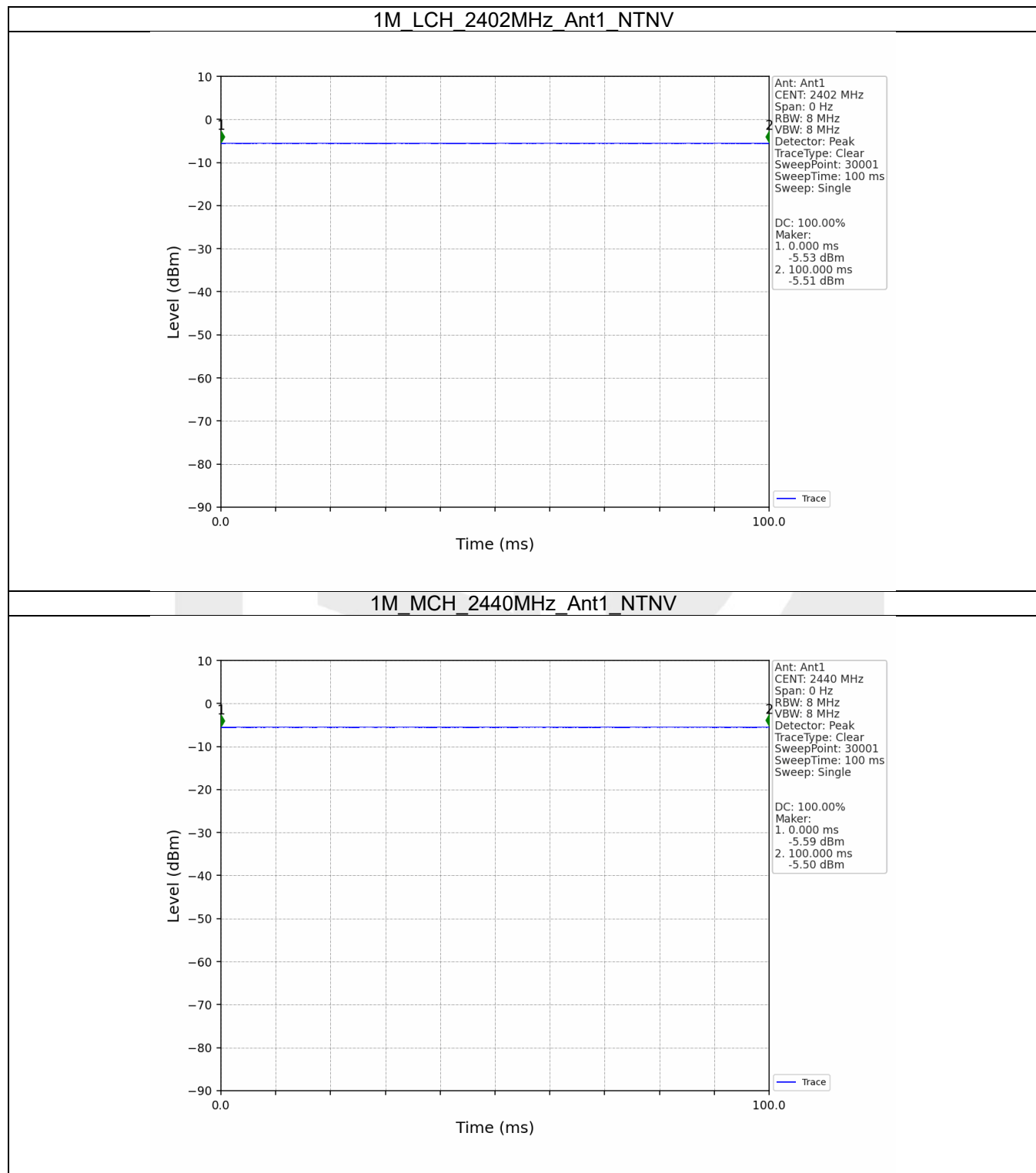
1.1 Test Result

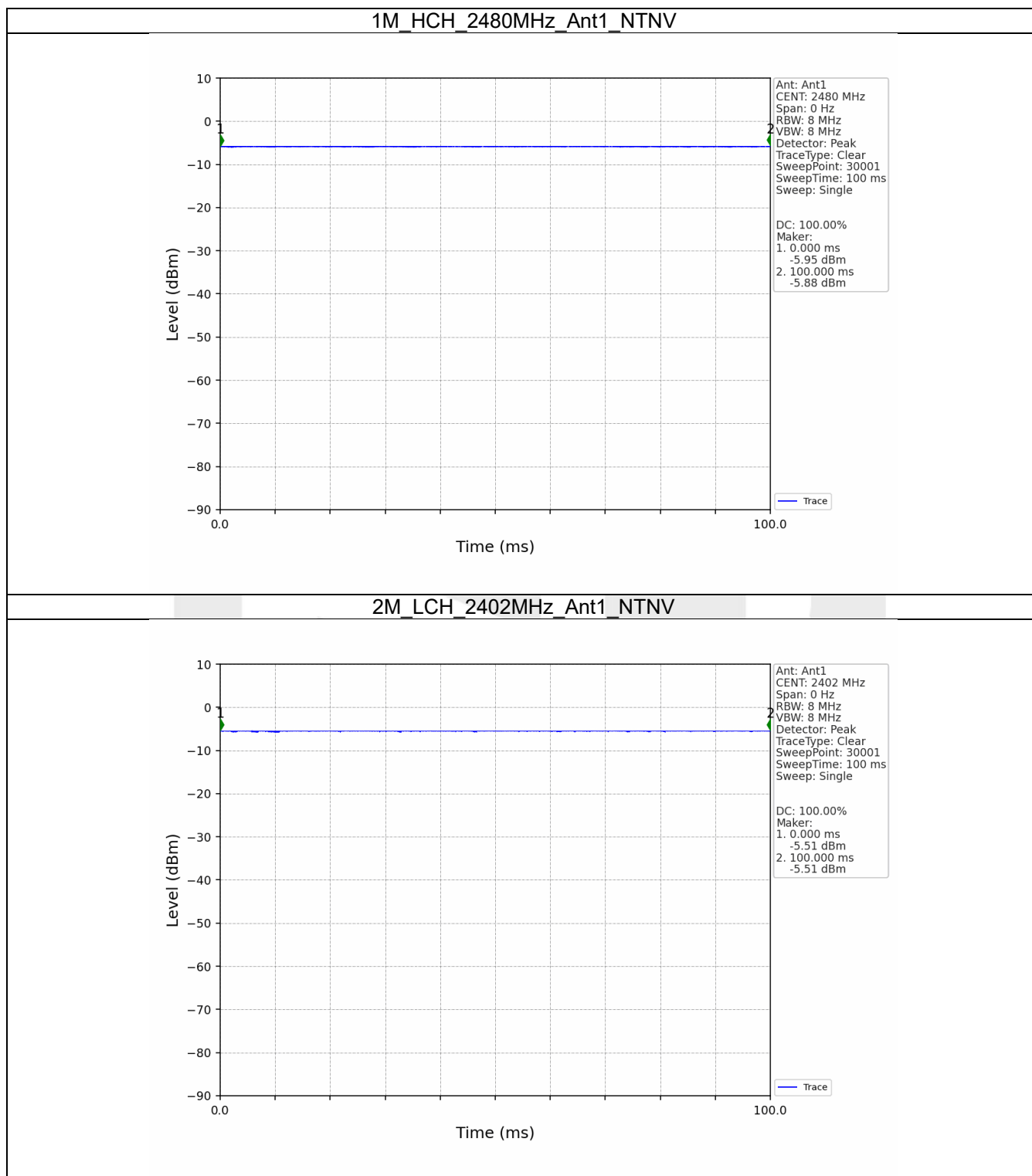
1.1.1 Ant1

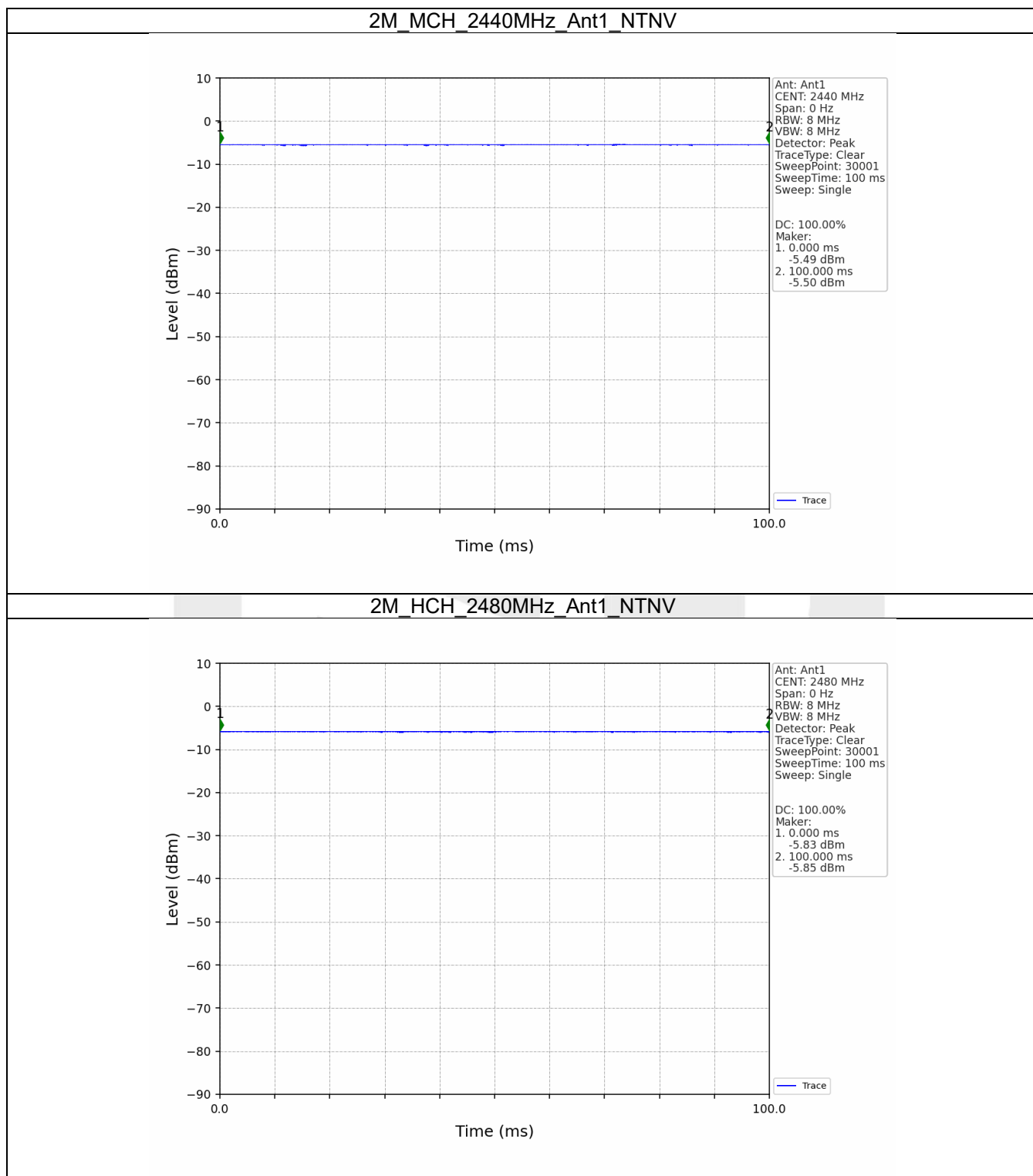
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00
2M	SISO	2402	100.000	100.000	100.00	0.00	0.00
		2440	100.000	100.000	100.00	0.00	0.00
		2480	100.000	100.000	100.00	0.00	0.00

1.2 Test Graph

1.2.1 Ant1







2. Bandwidth

2.1 Test Result

2.1.1 OBW

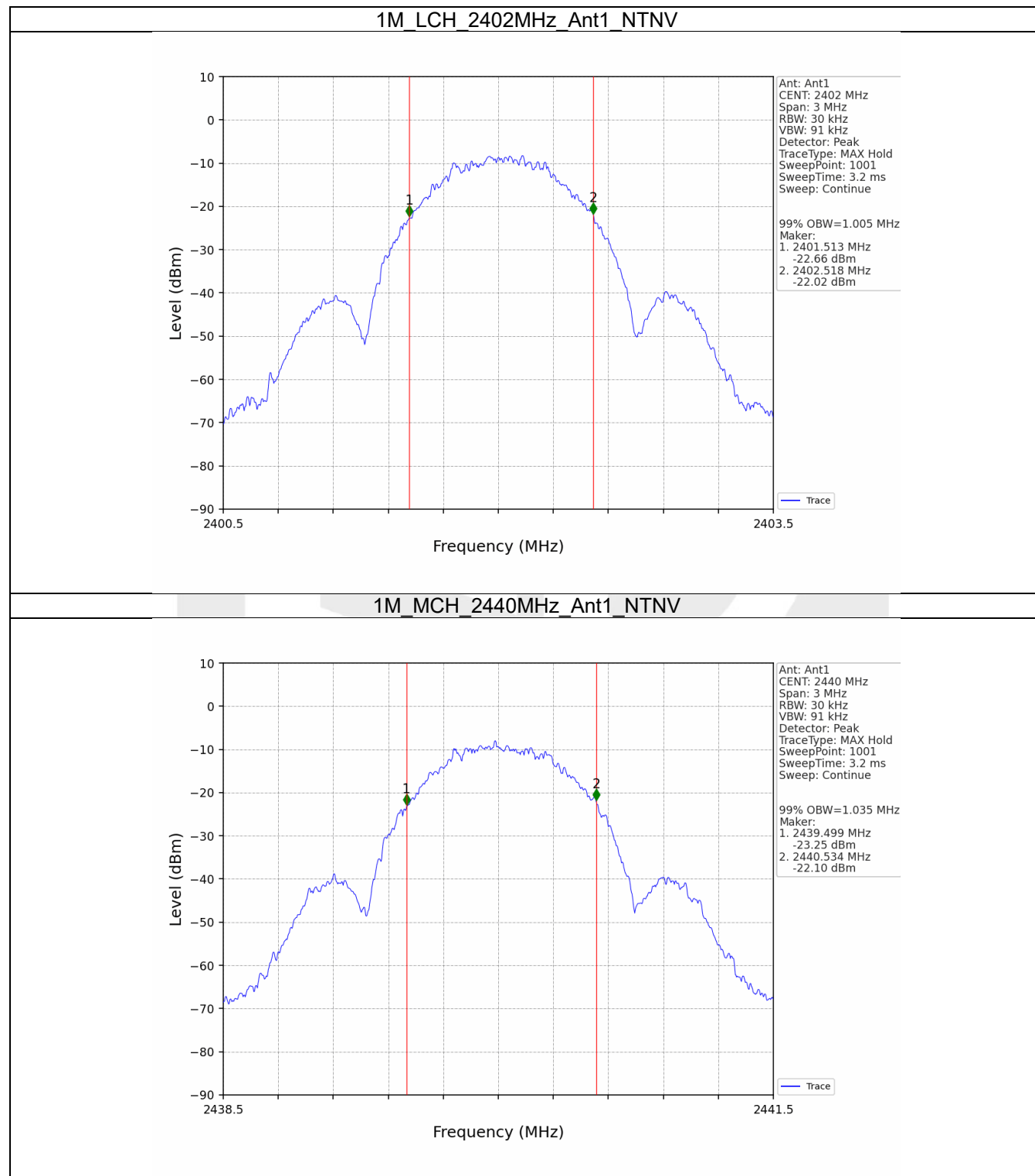
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	1.005	/	Pass
		2440	1	1.035	/	Pass
		2480	1	1.025	/	Pass
2M	SISO	2402	1	2.005	/	Pass
		2440	1	2.038	/	Pass
		2480	1	2.024	/	Pass

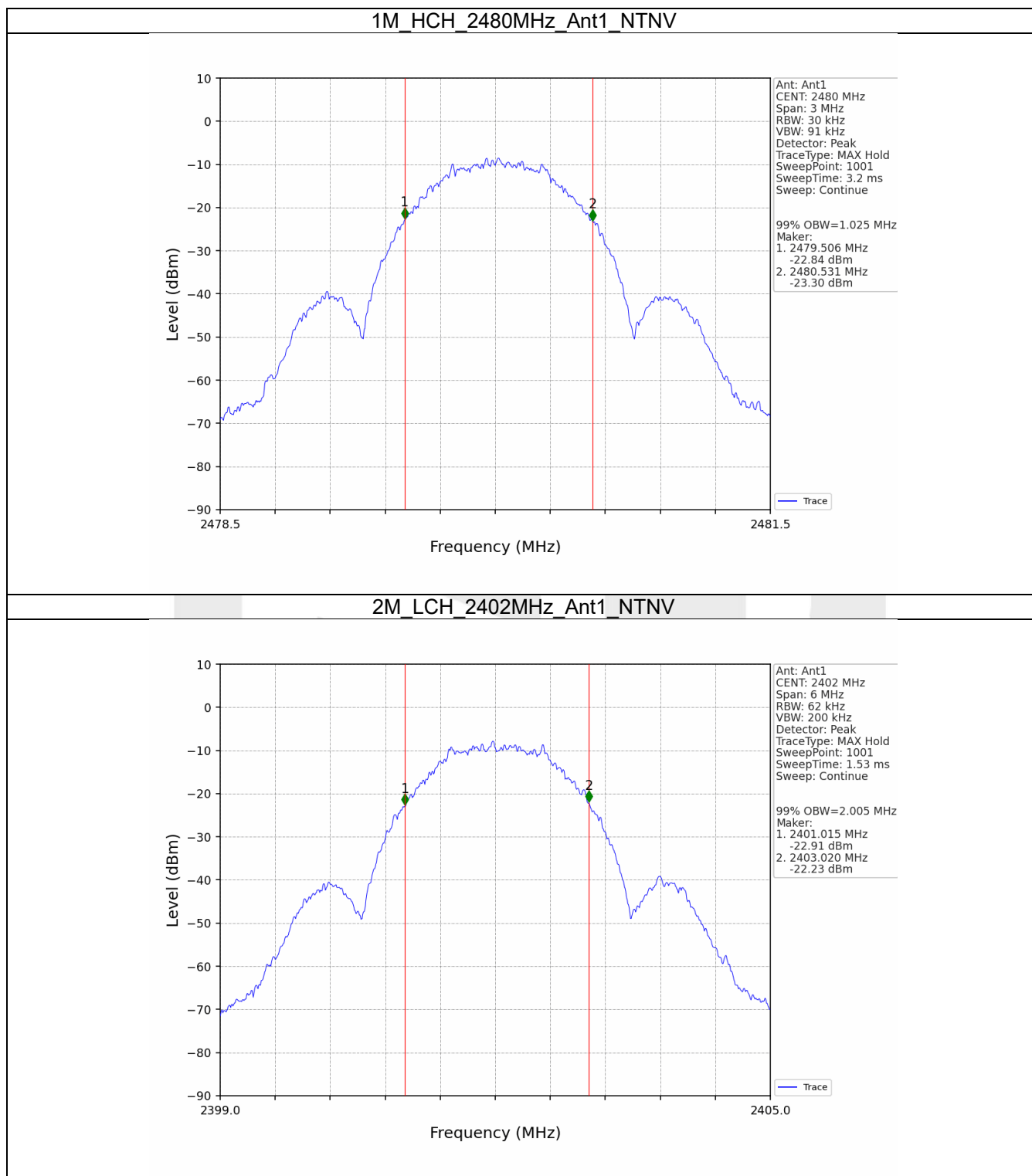
2.1.2 6dB BW

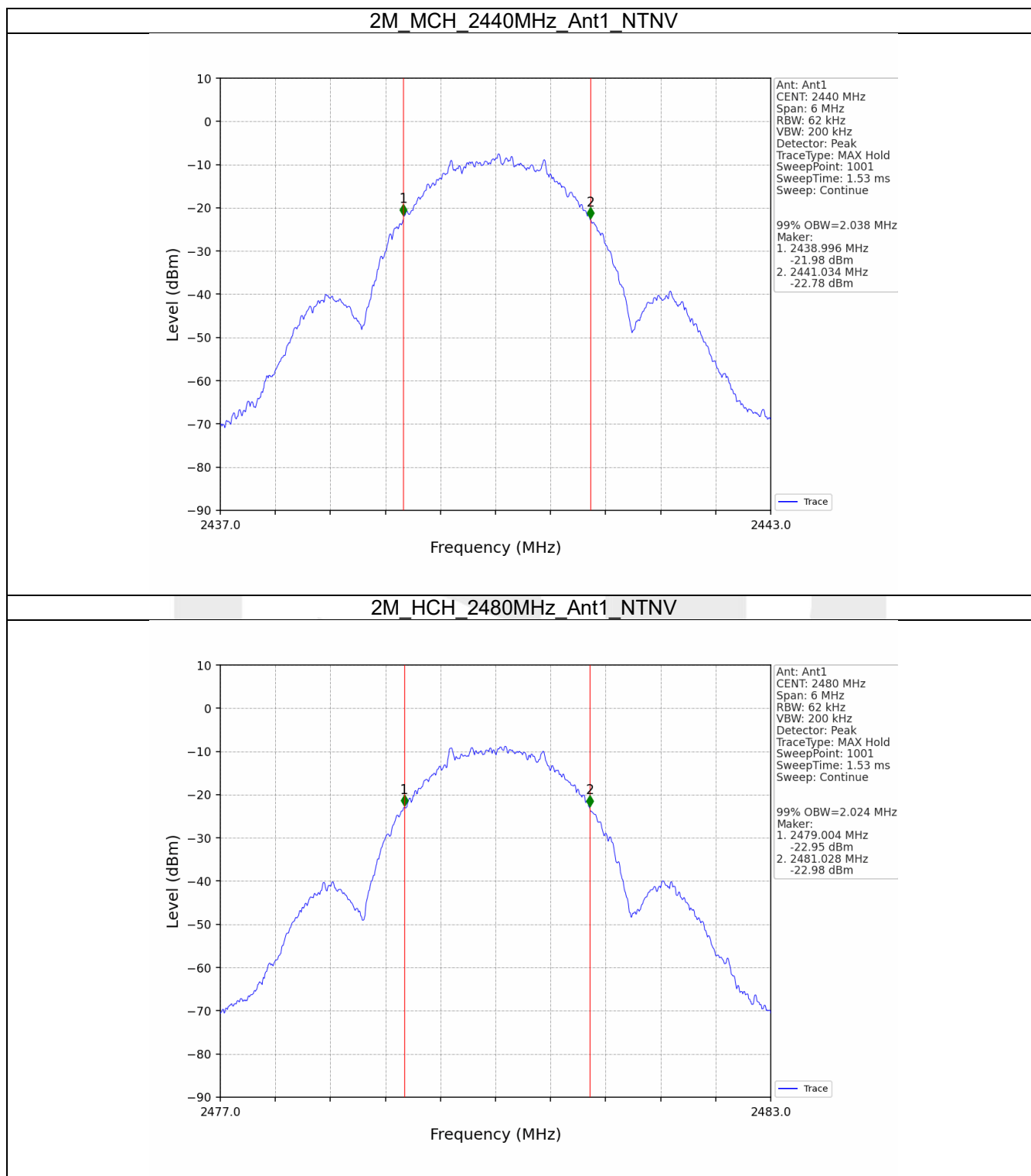
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.669	≥ 0.5	Pass
		2440	1	0.689	≥ 0.5	Pass
		2480	1	0.677	≥ 0.5	Pass
2M	SISO	2402	1	1.367	≥ 0.5	Pass
		2440	1	1.395	≥ 0.5	Pass
		2480	1	1.357	≥ 0.5	Pass

2.2 Test Graph

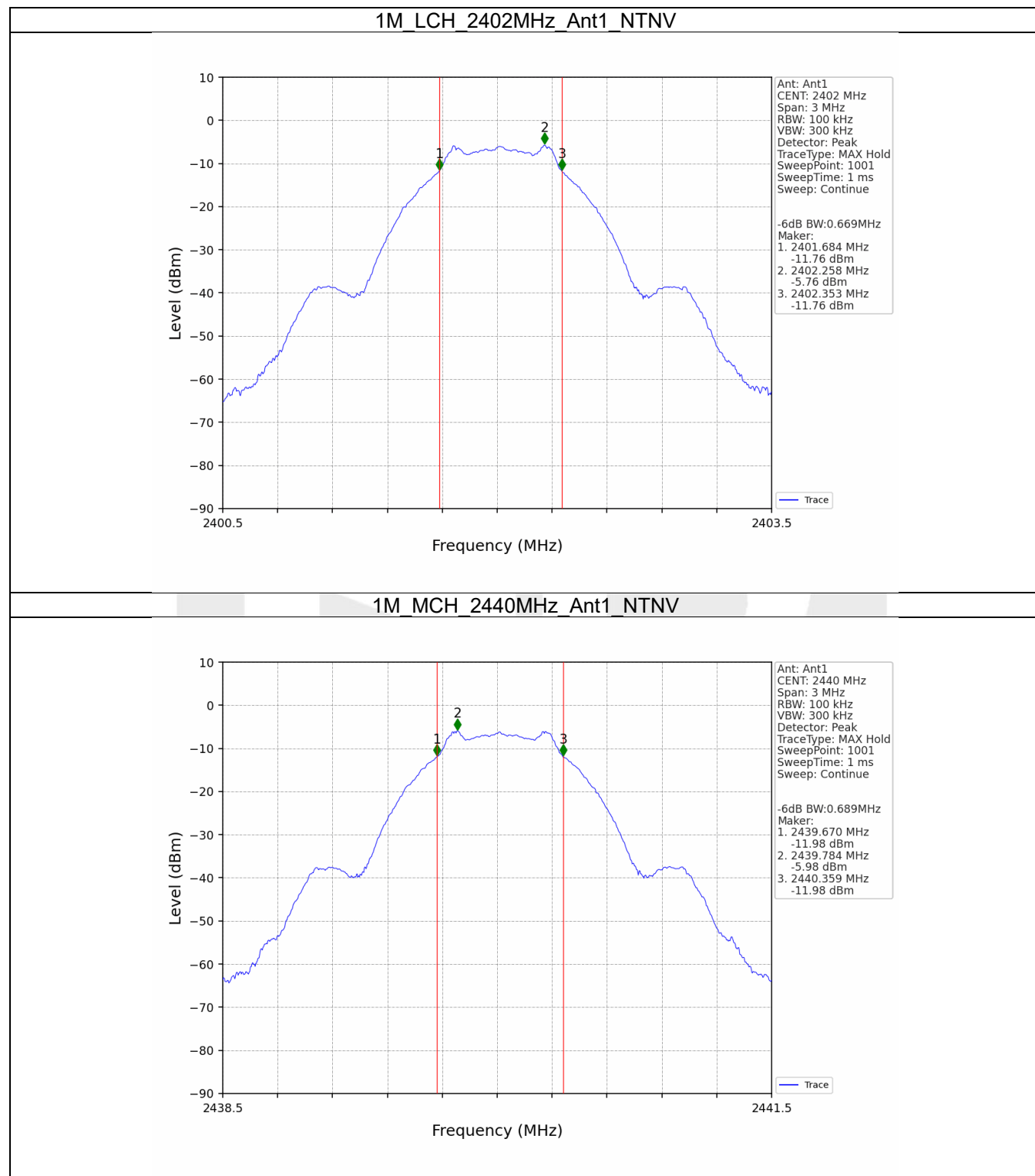
2.2.1 OBW

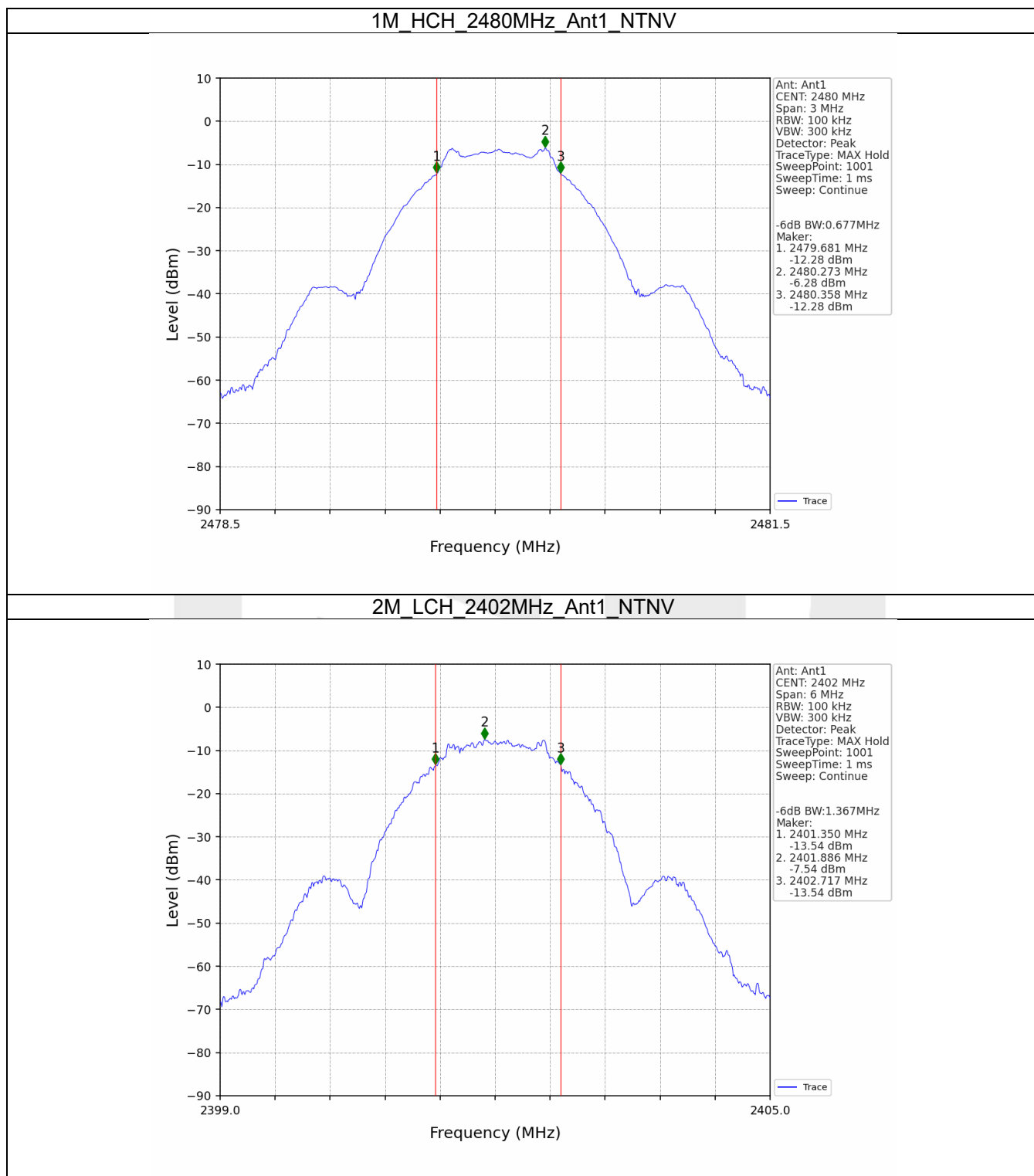


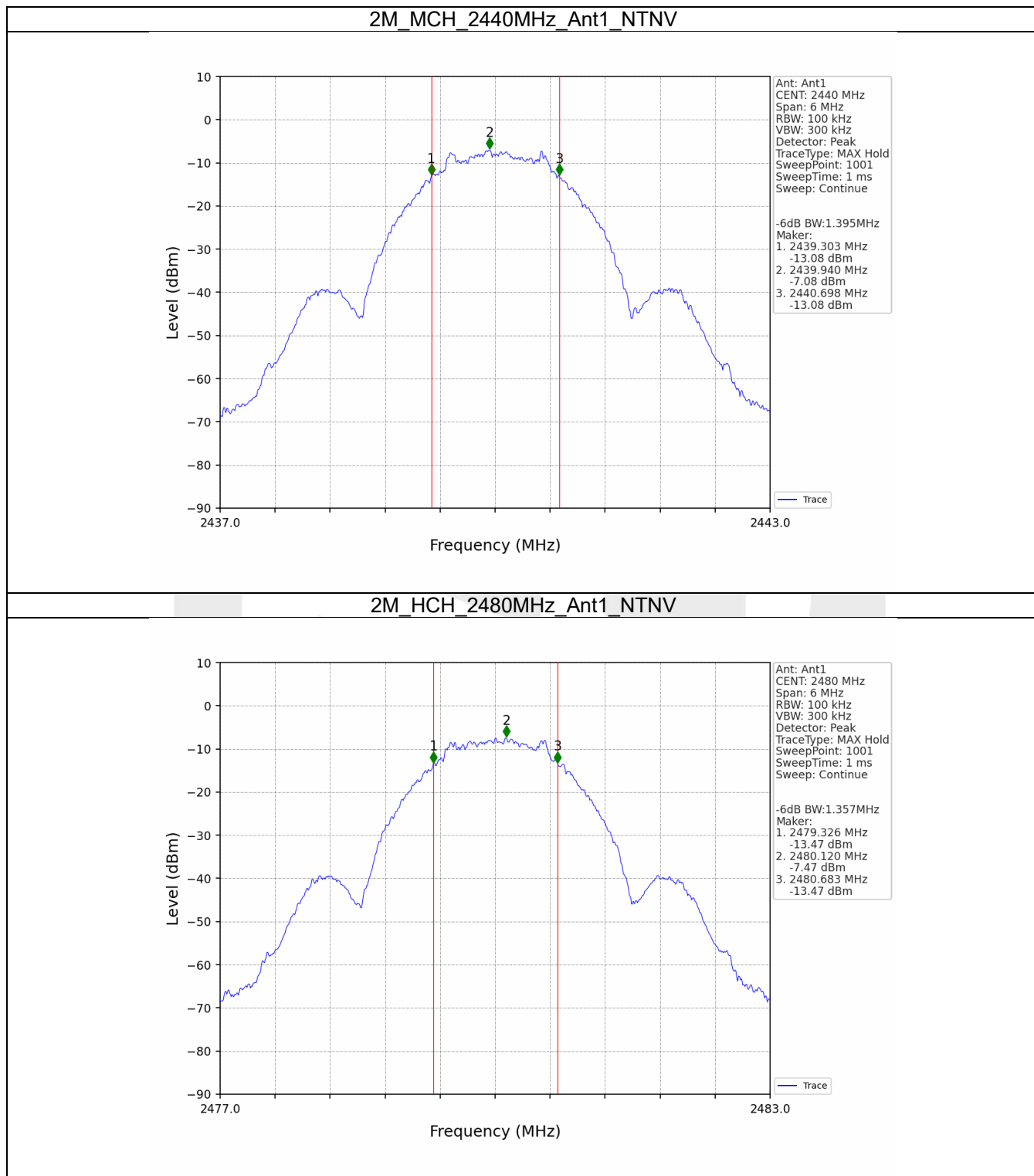




2.2.2 6dB BW







3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
1M	SISO	2402	-5.56	<=30	Pass
		2440	-5.54	<=30	Pass
		2480	-5.89	<=30	Pass
2M	SISO	2402	-5.59	<=30	Pass
		2440	-5.57	<=30	Pass
		2480	-5.89	<=30	Pass
Note1: Antenna Gain: Ant1: 0.00dBi:					

4. Maximum Power Spectral Density

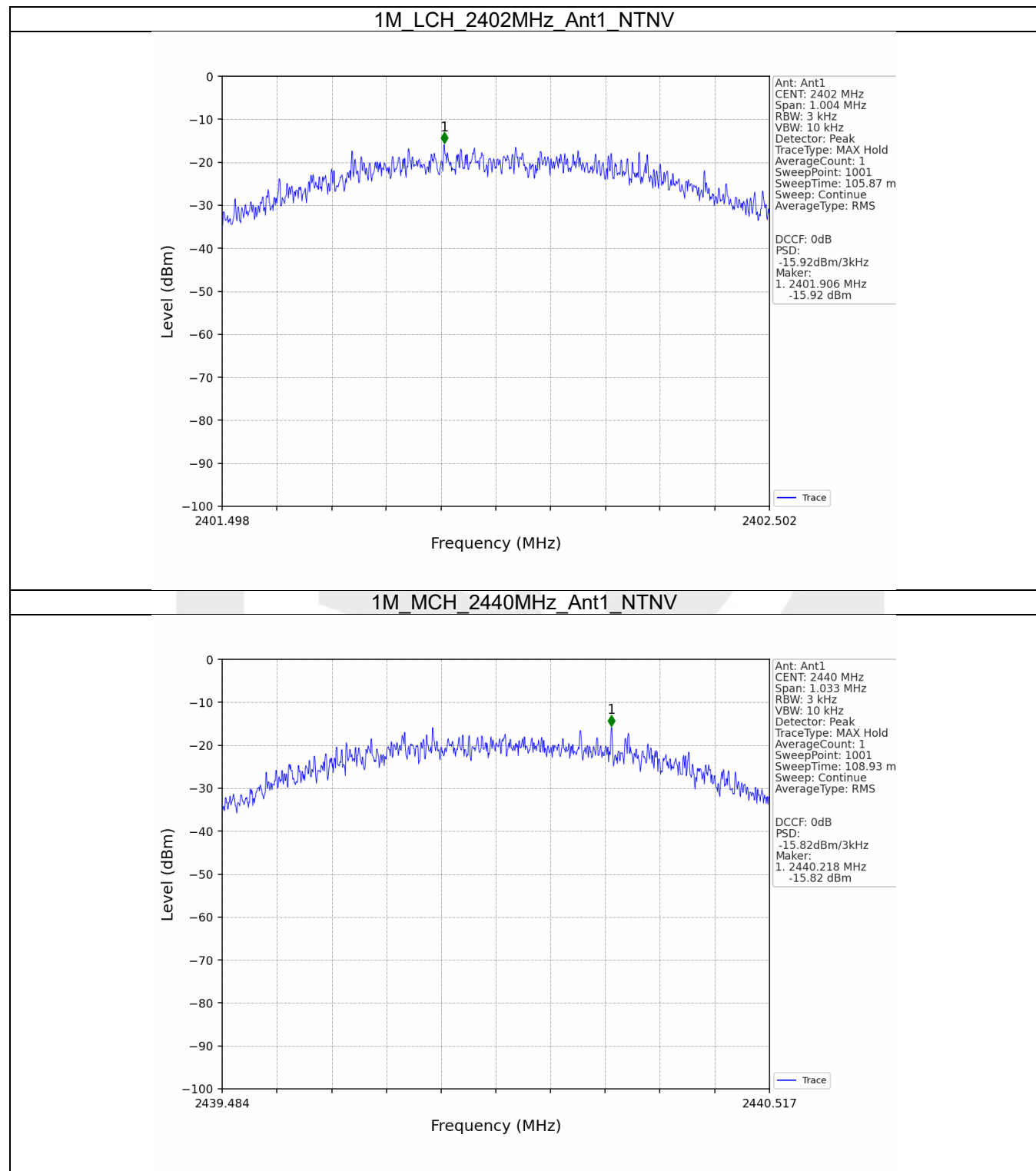
4.1 Test Result

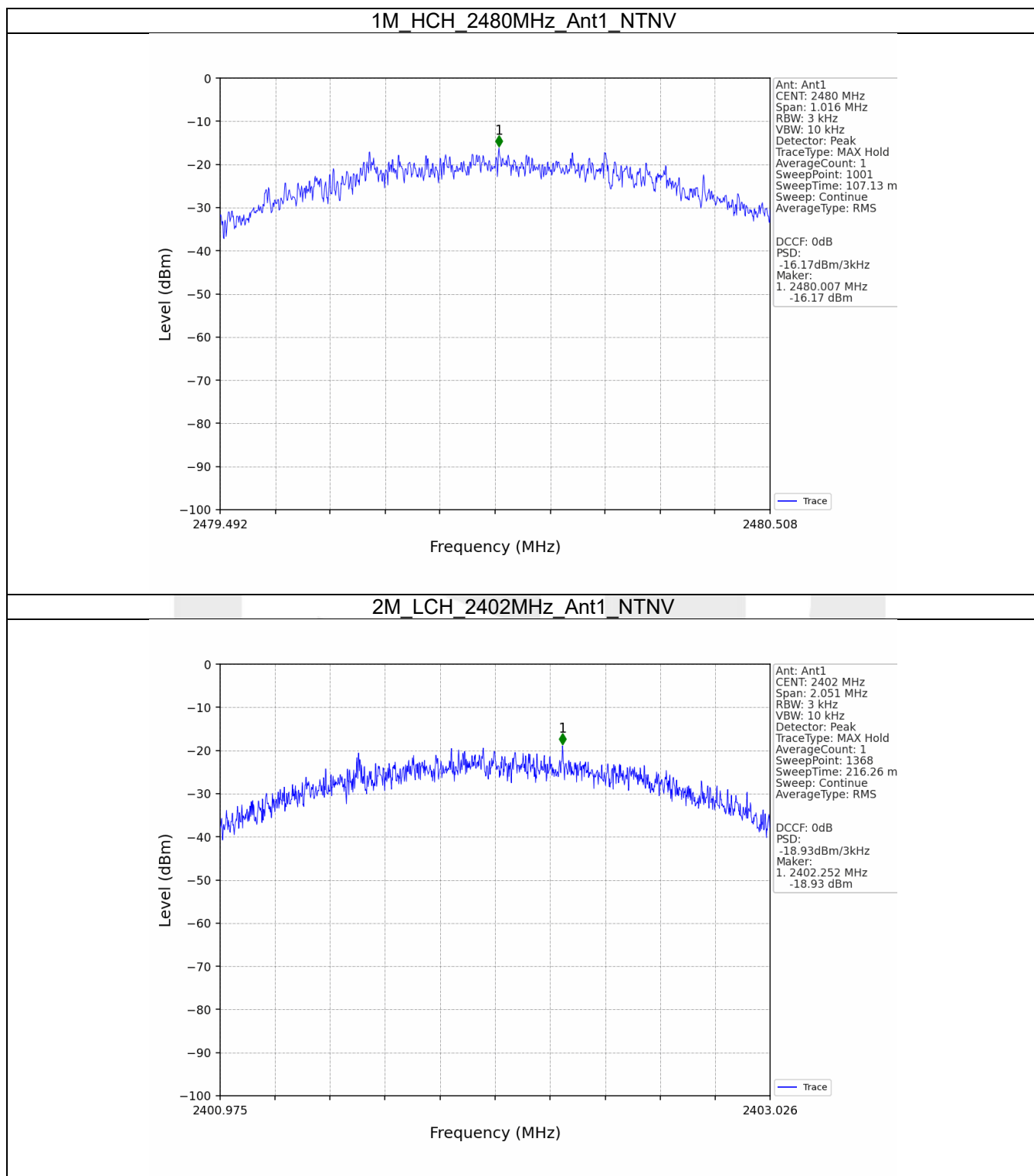
4.1.1 PSD

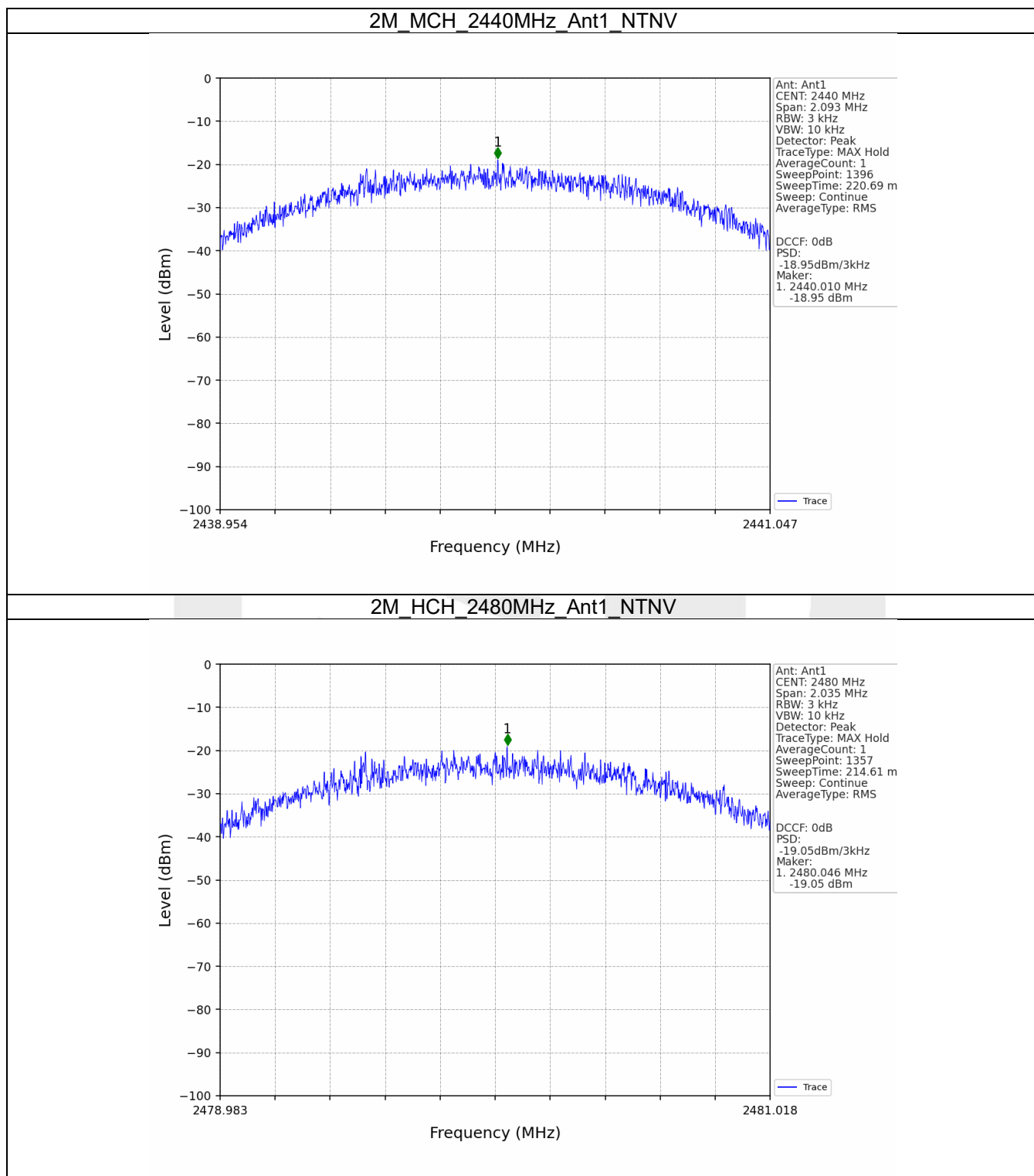
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-15.92	<=8	Pass
		2440	-15.82	<=8	Pass
		2480	-16.17	<=8	Pass
2M	SISO	2402	-18.93	<=8	Pass
		2440	-18.95	<=8	Pass
		2480	-19.05	<=8	Pass
Note1: Antenna Gain: Ant1: 0.00dBi;					

4.2 Test Graph

4.2.1 PSD







5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

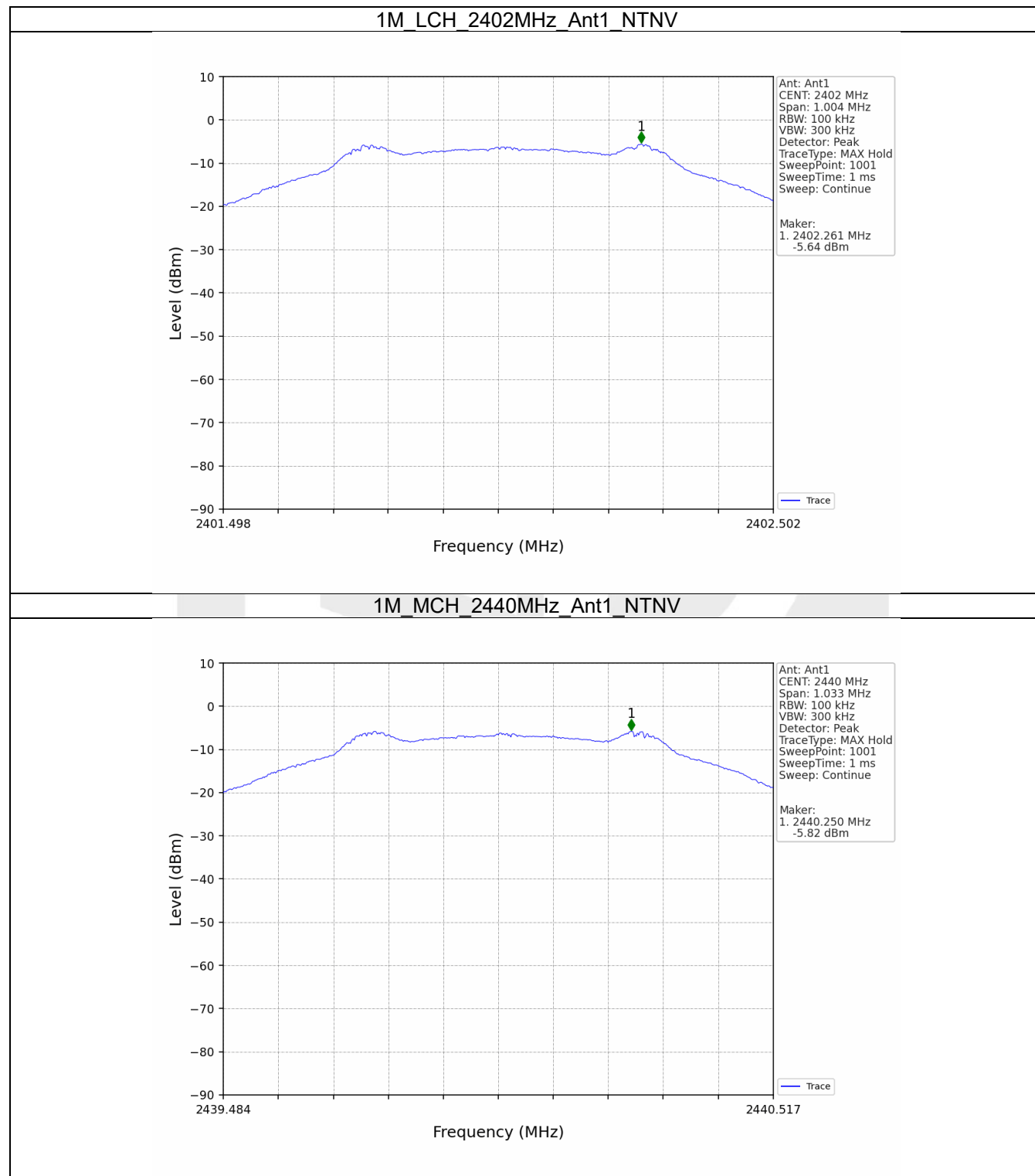
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	-5.64
		2440	1	-5.82
		2480	1	-6.00
2M	SISO	2402	1	-7.27
		2440	1	-7.45
		2480	1	-7.62
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.				

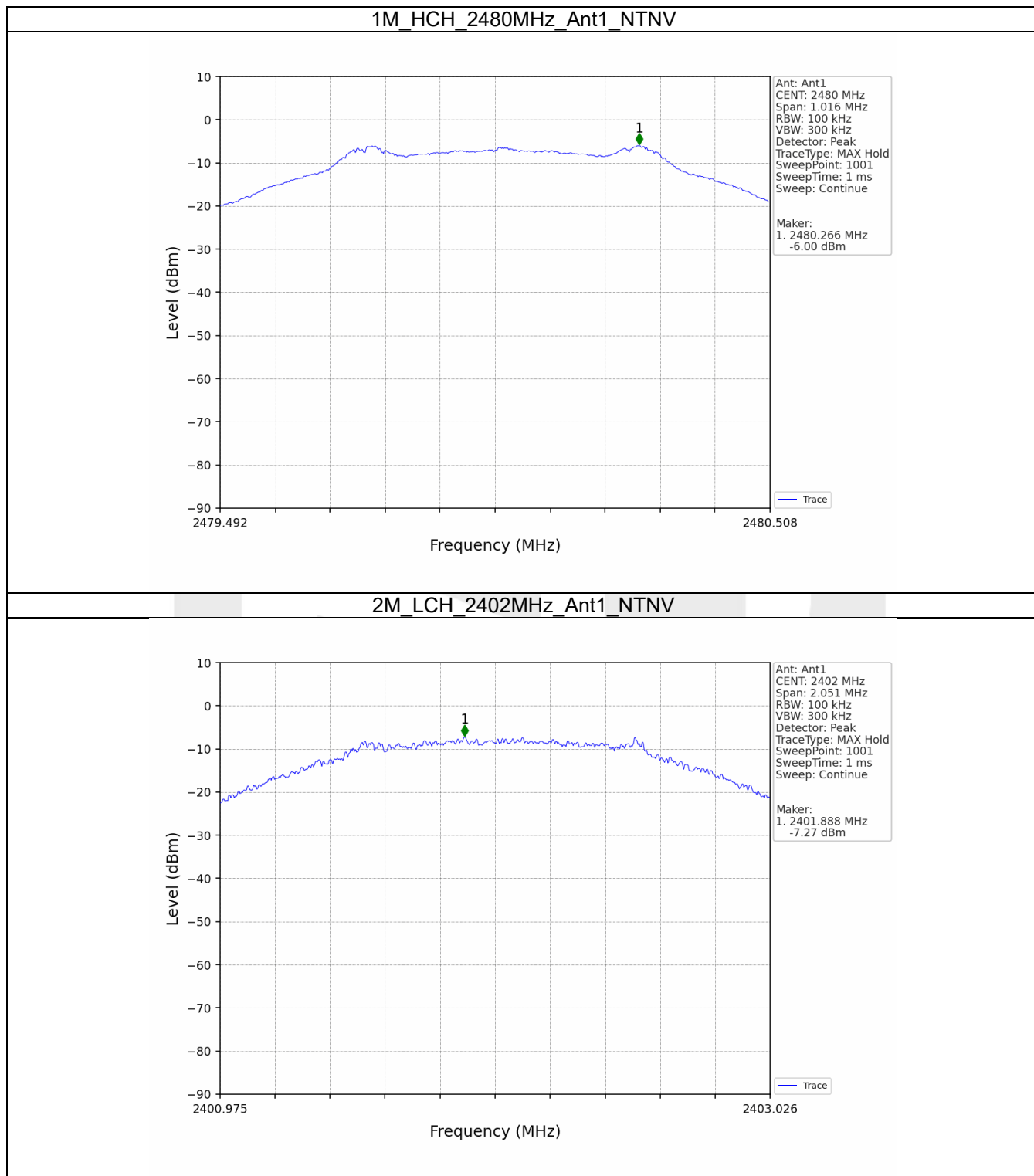
5.1.2 CSE

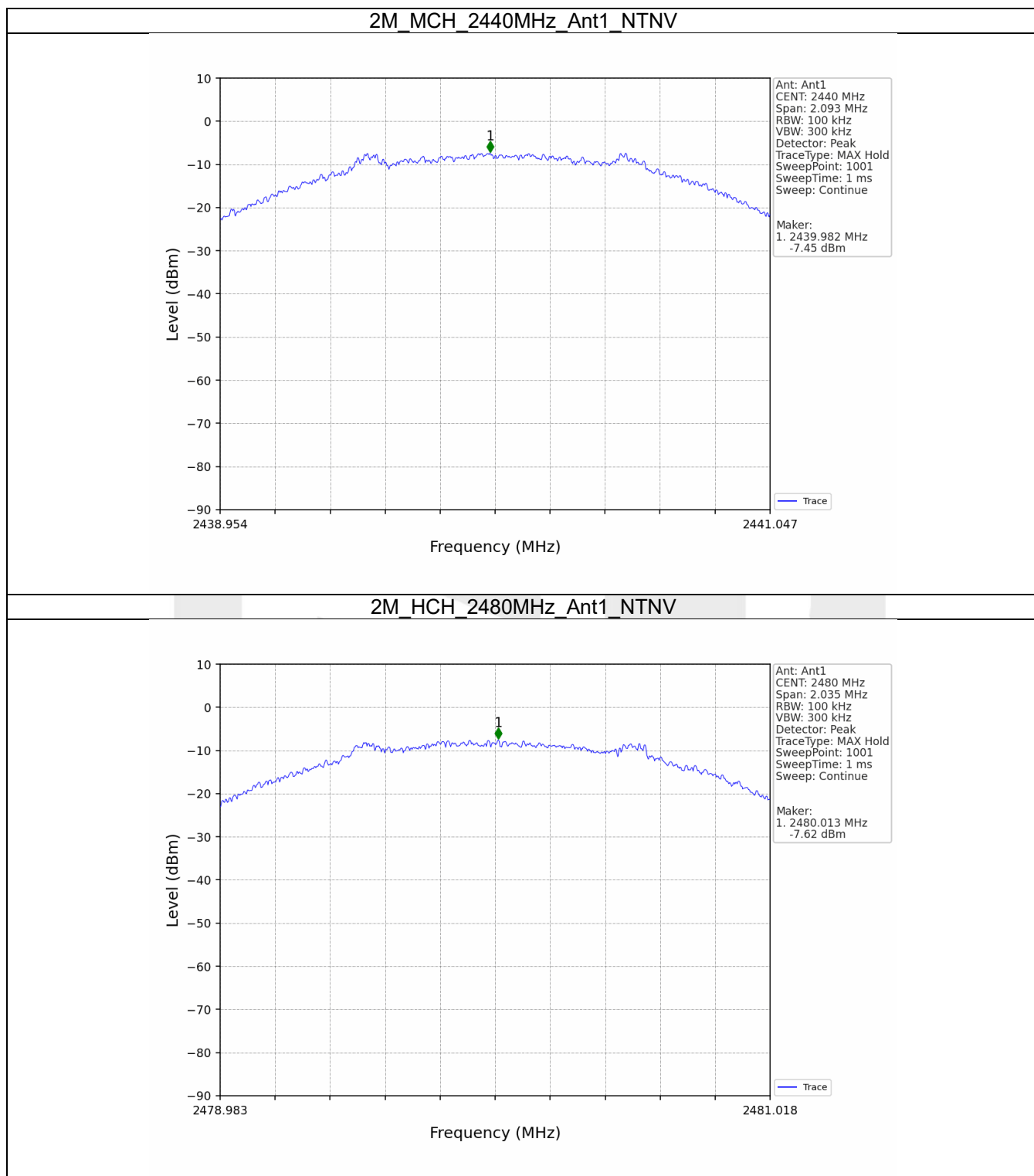
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	-5.64	-25.64	Pass
		2440	1	-5.82	-25.82	Pass
		2480	1	-6.00	-26.00	Pass
2M	SISO	2402	1	-7.27	-27.27	Pass
		2440	1	-7.45	-27.45	Pass
		2480	1	-7.62	-27.62	Pass
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.						

5.2 Test Graph

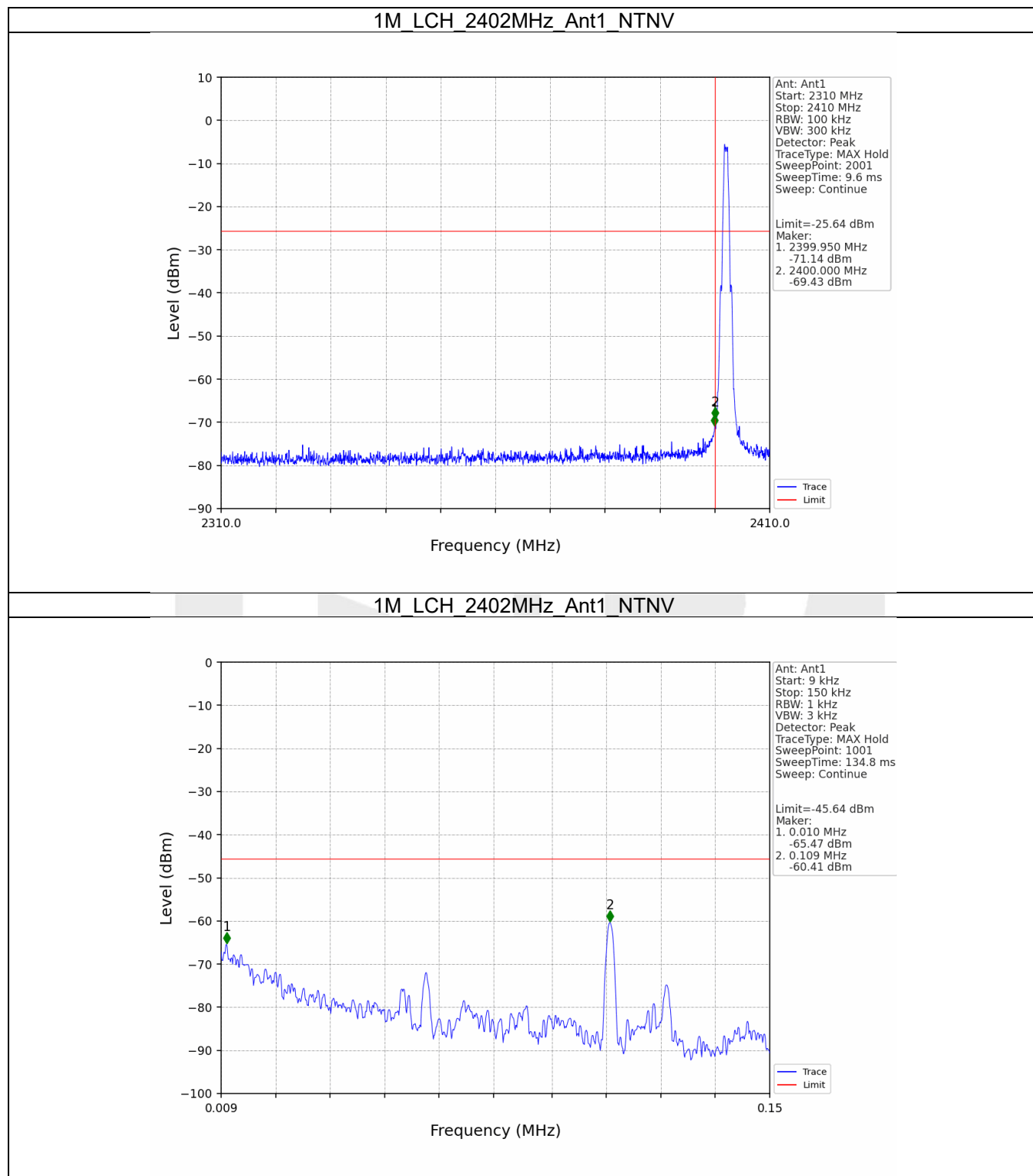
5.2.1 Ref

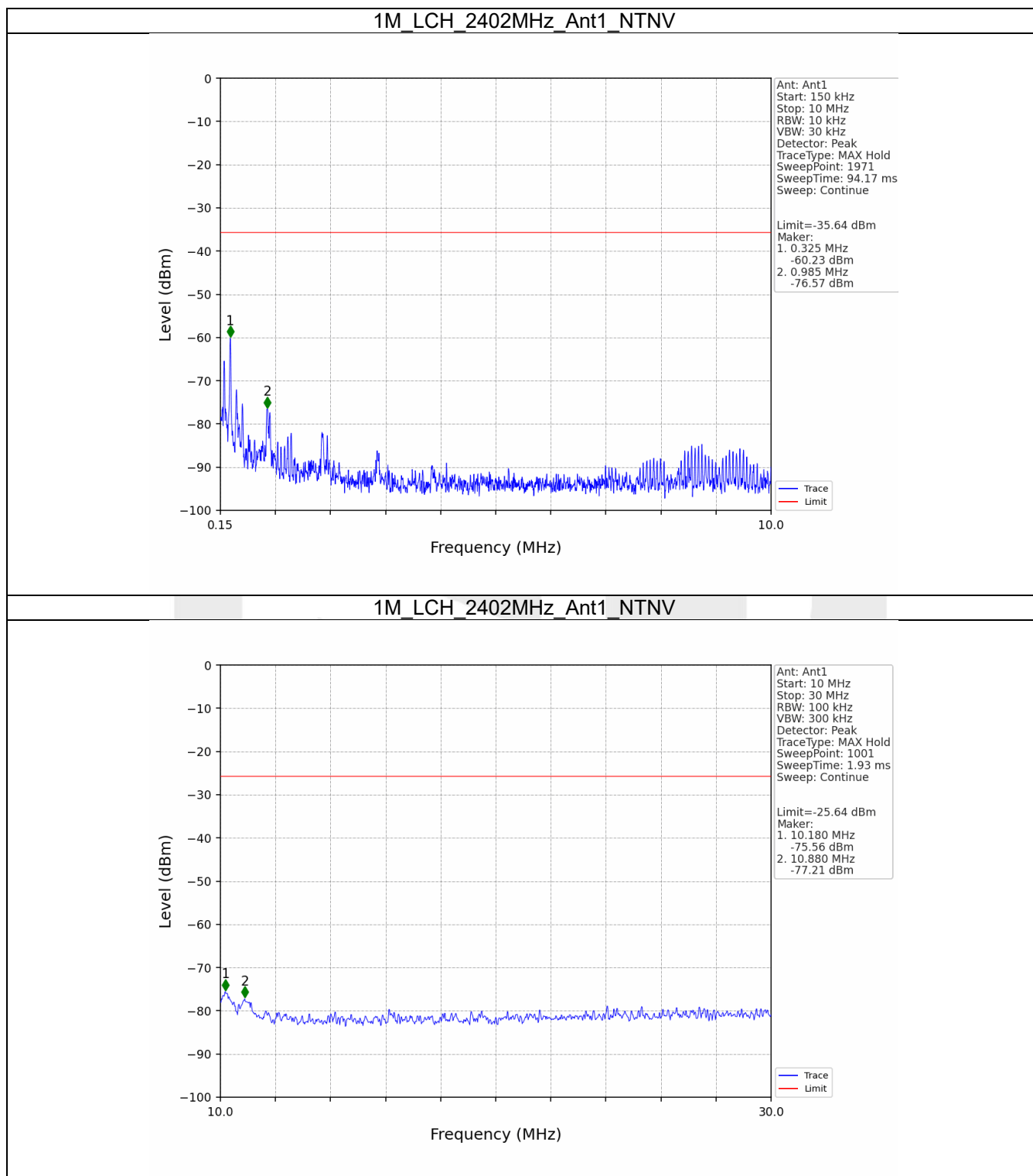


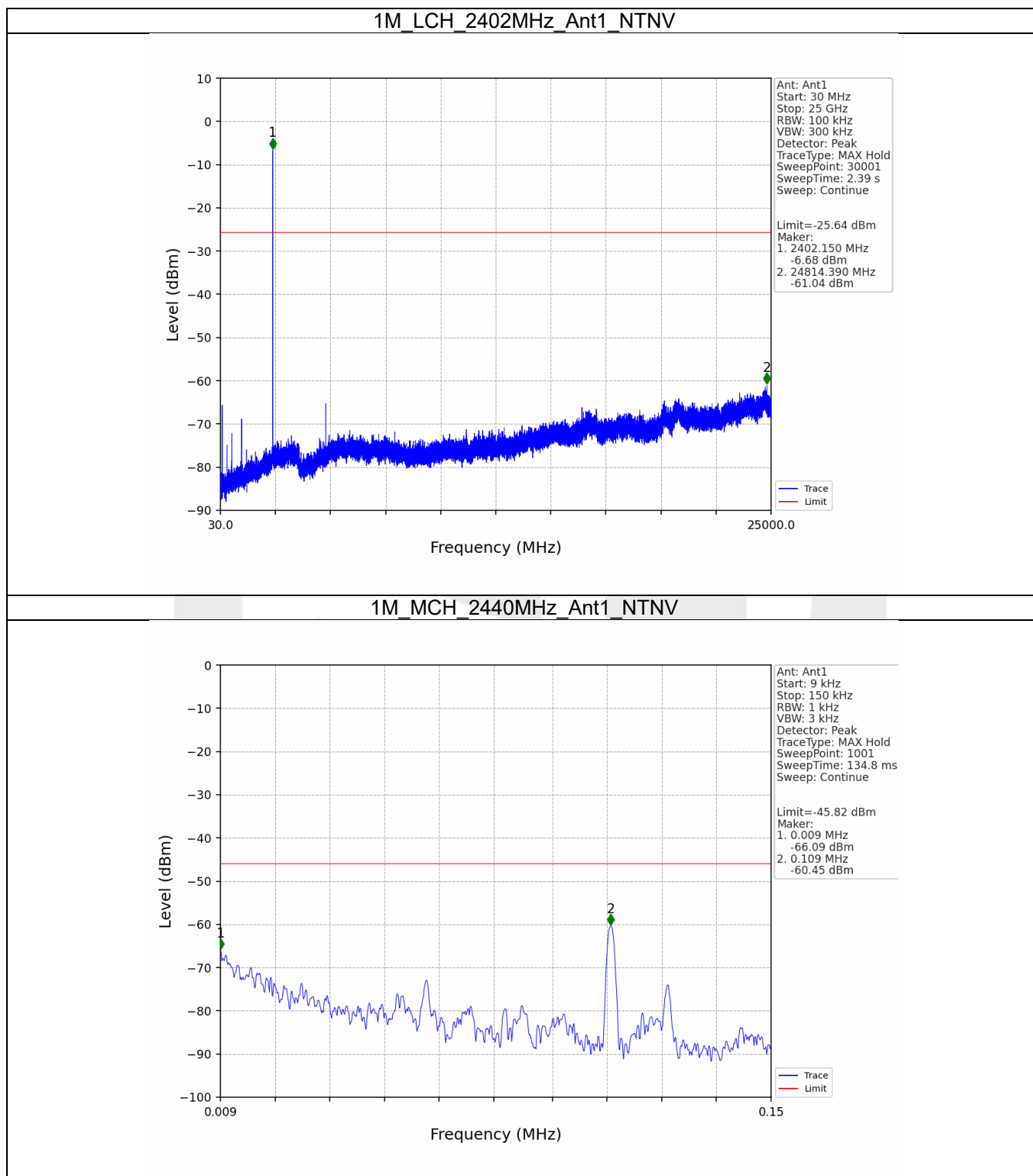


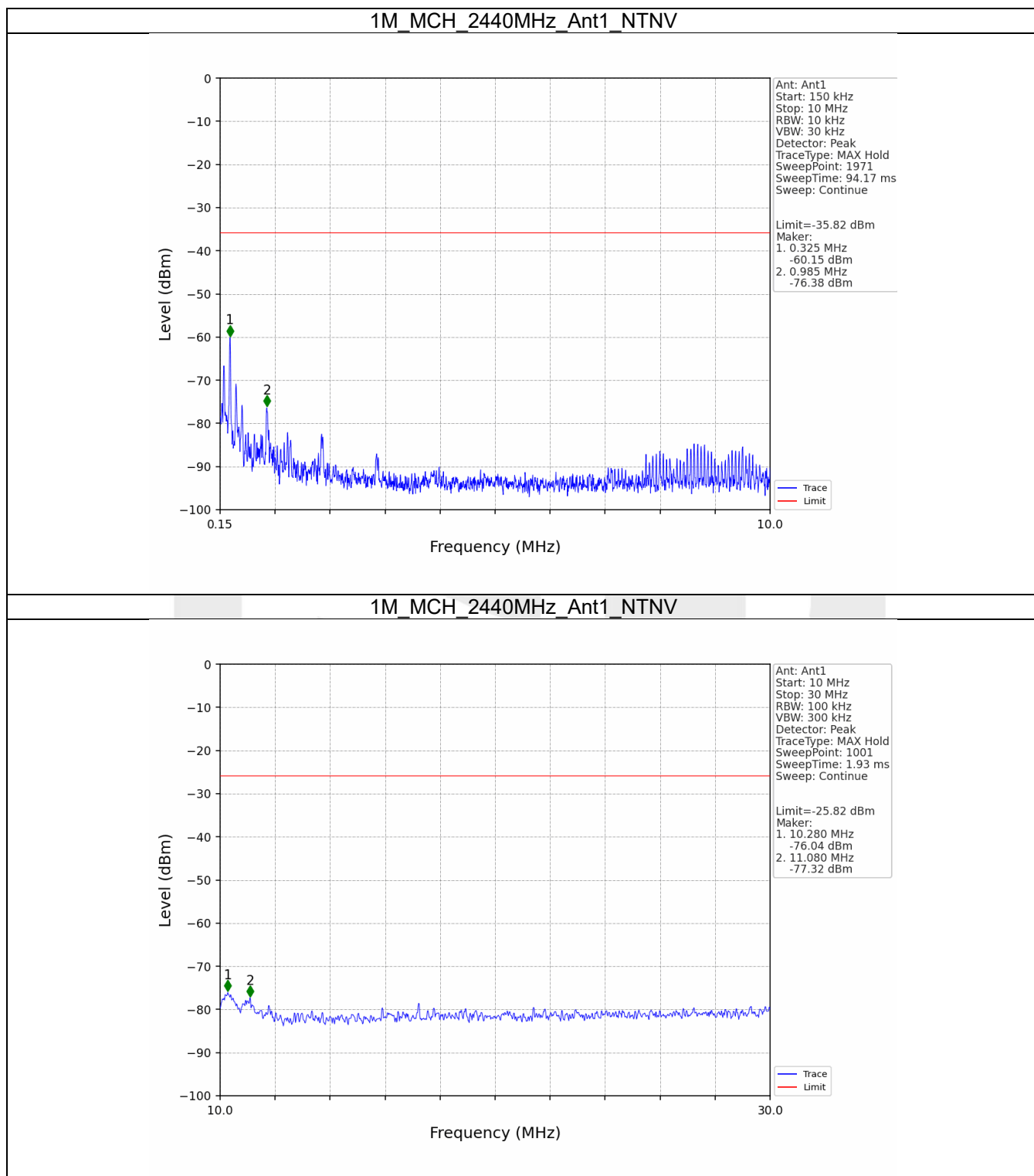


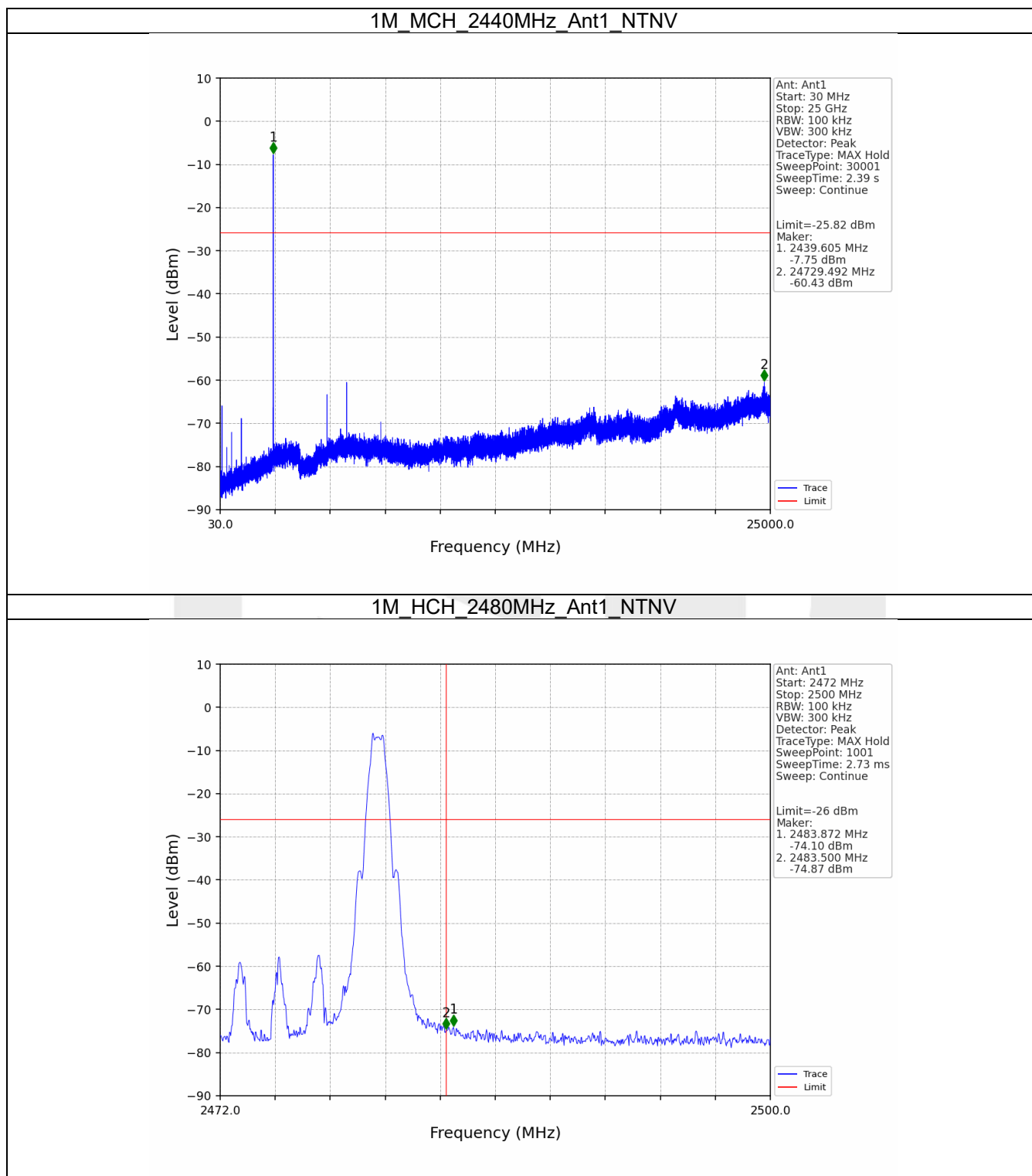
5.2.2 CSE

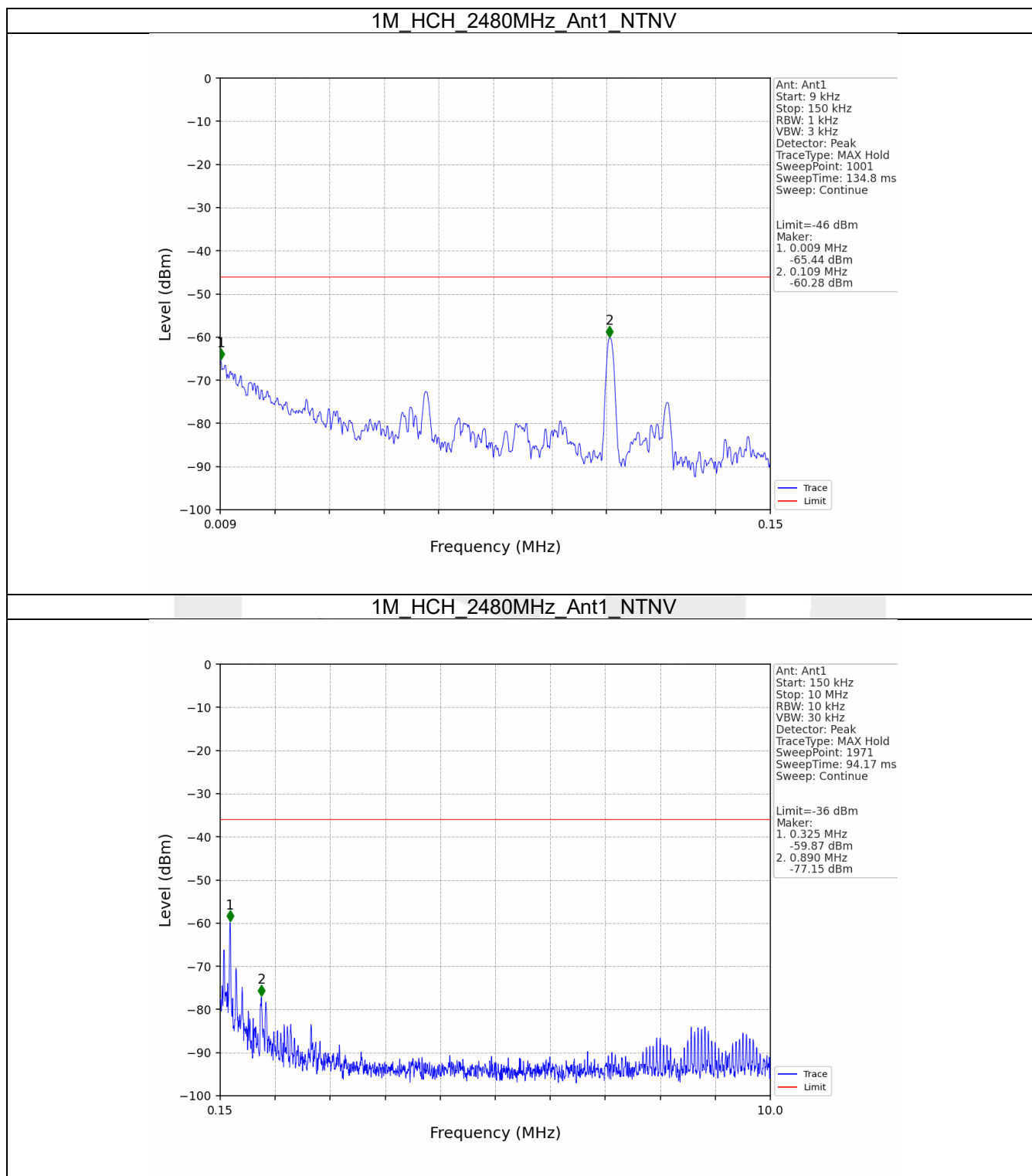


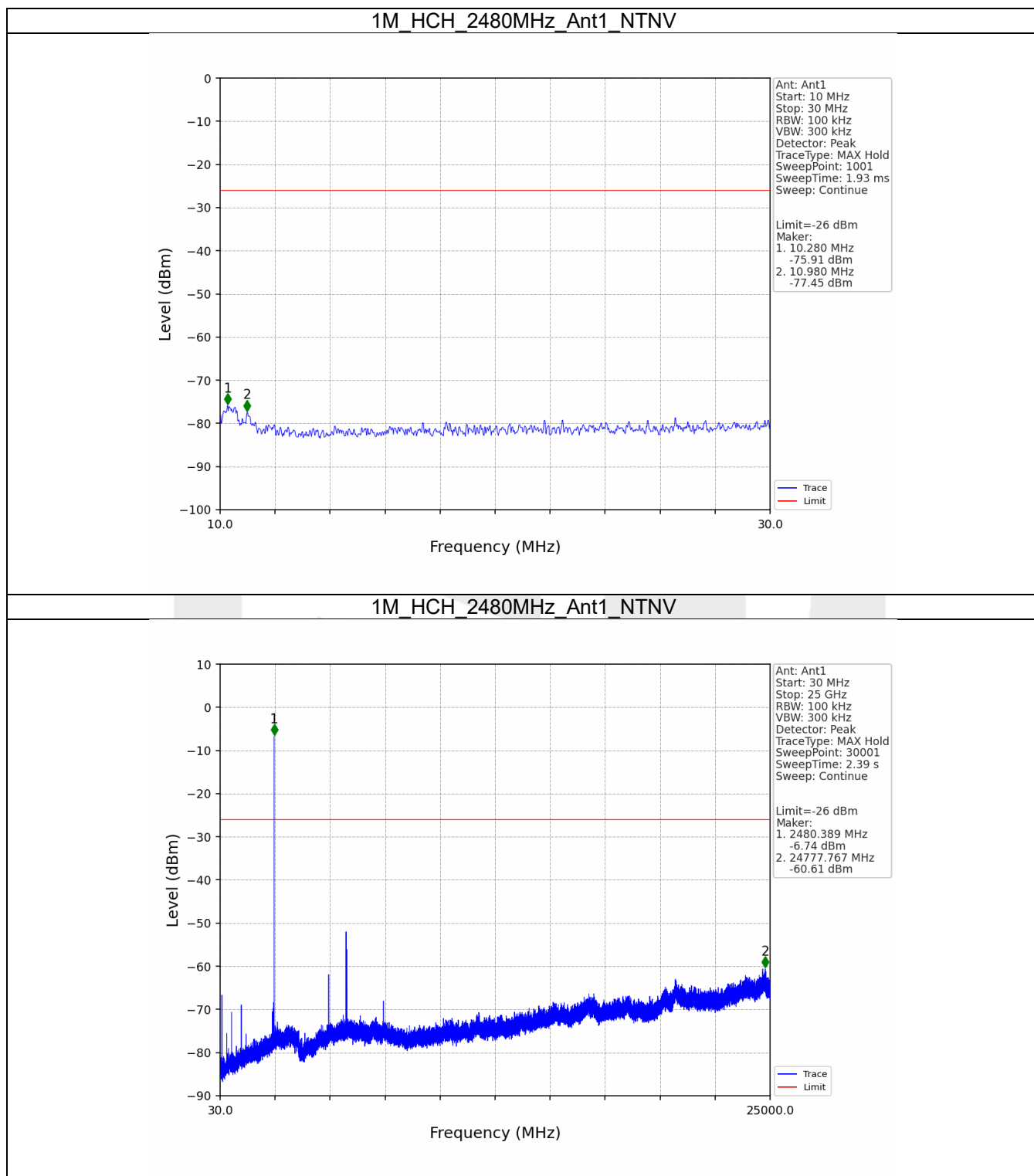


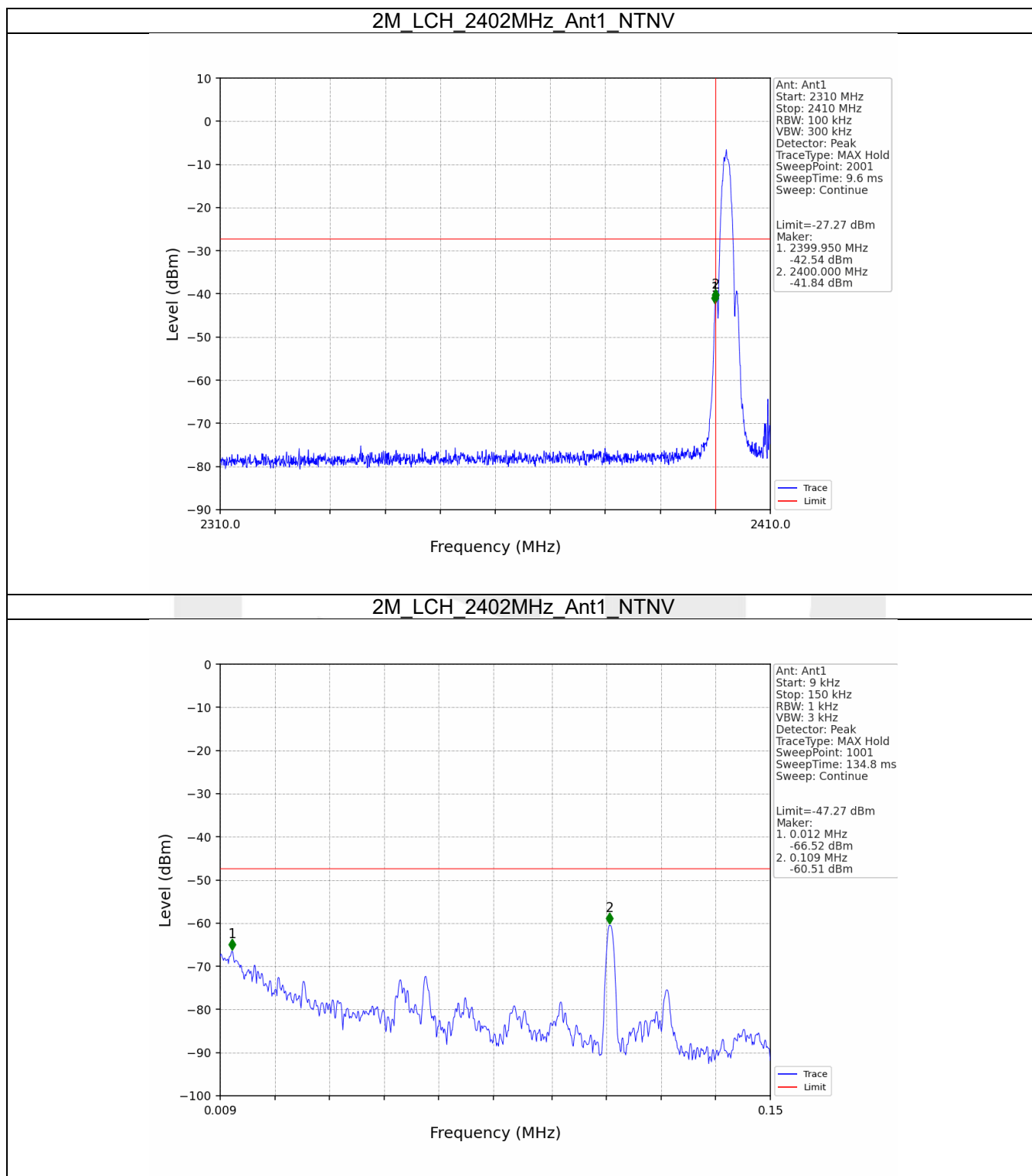


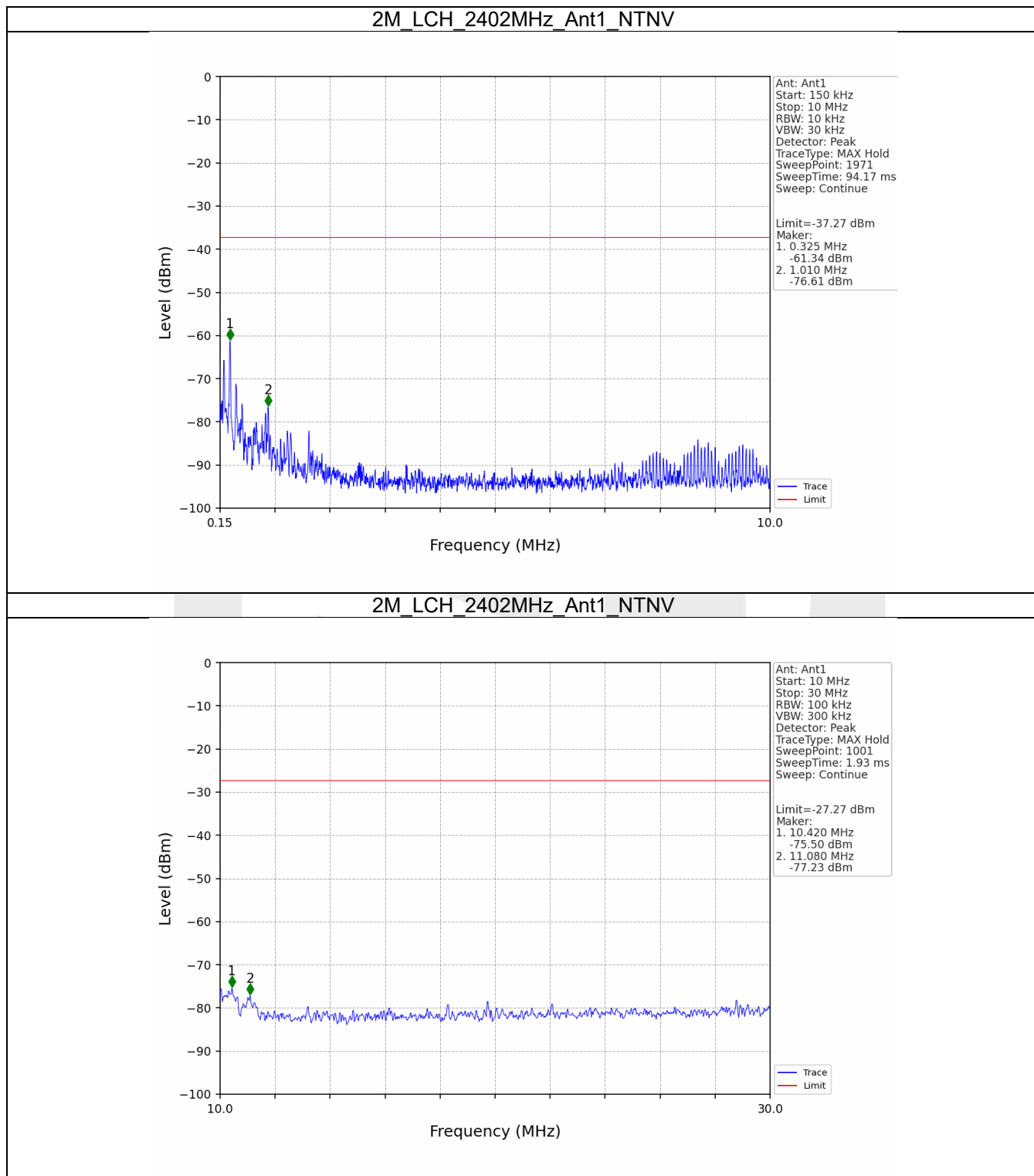


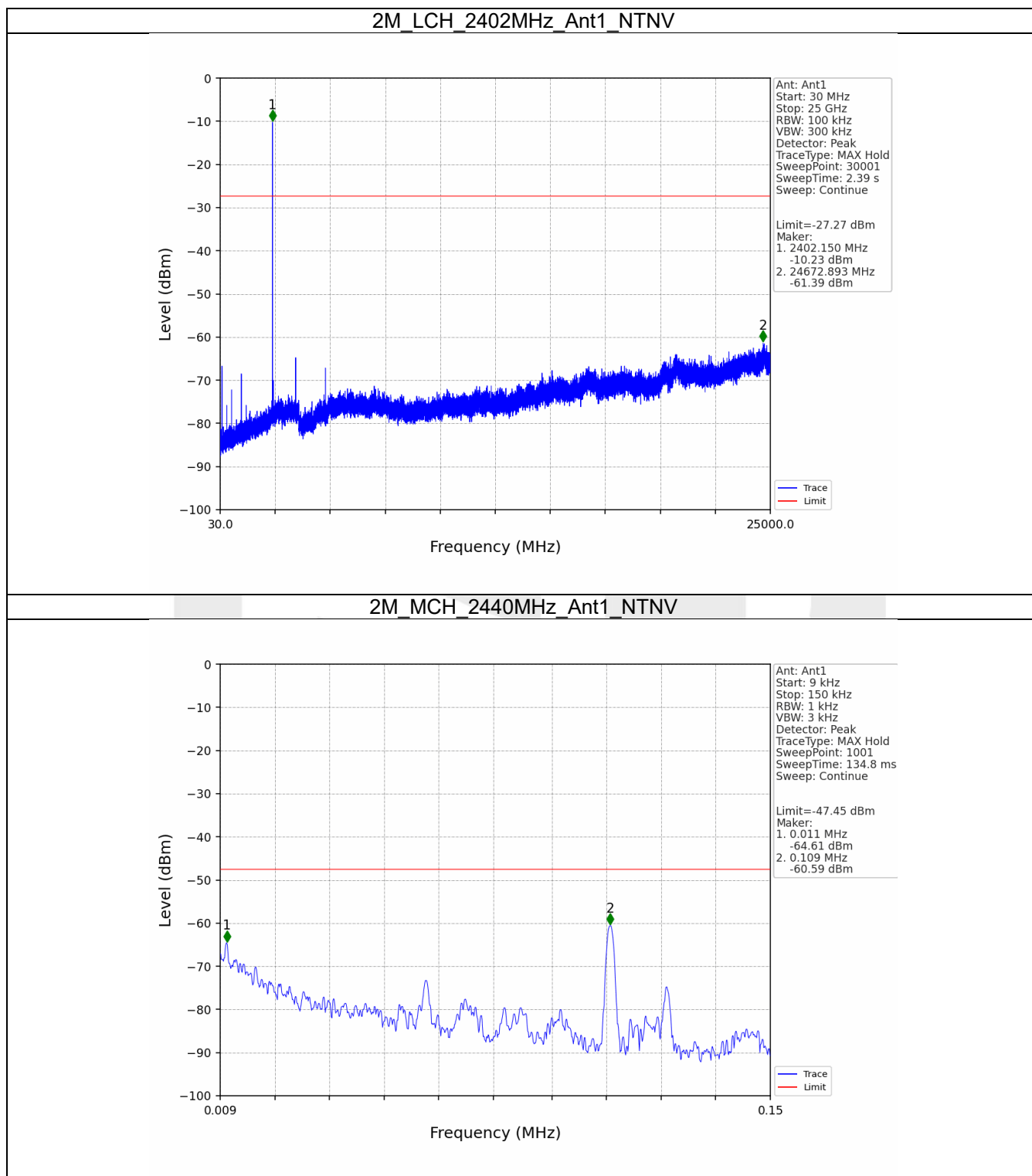


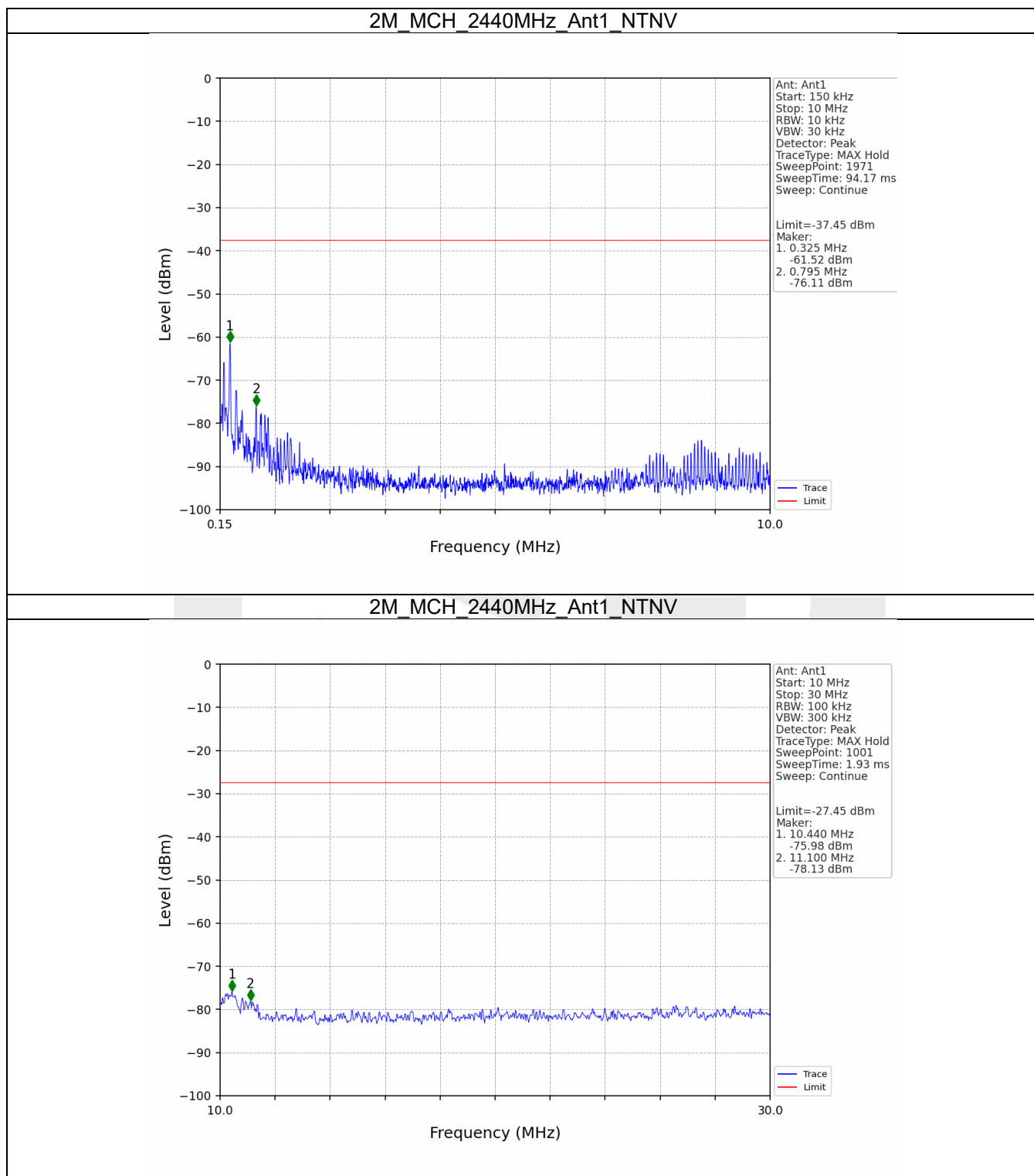


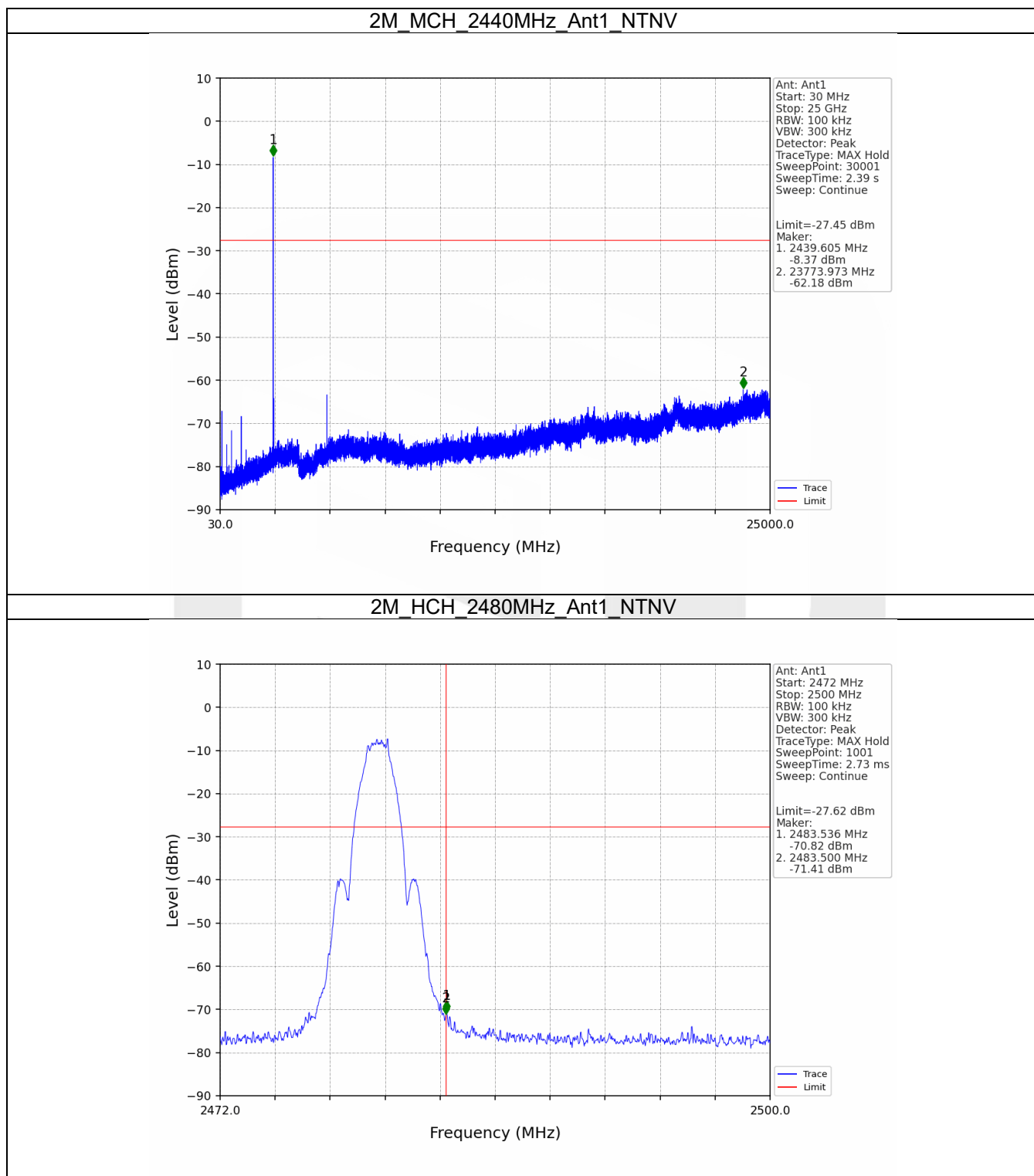


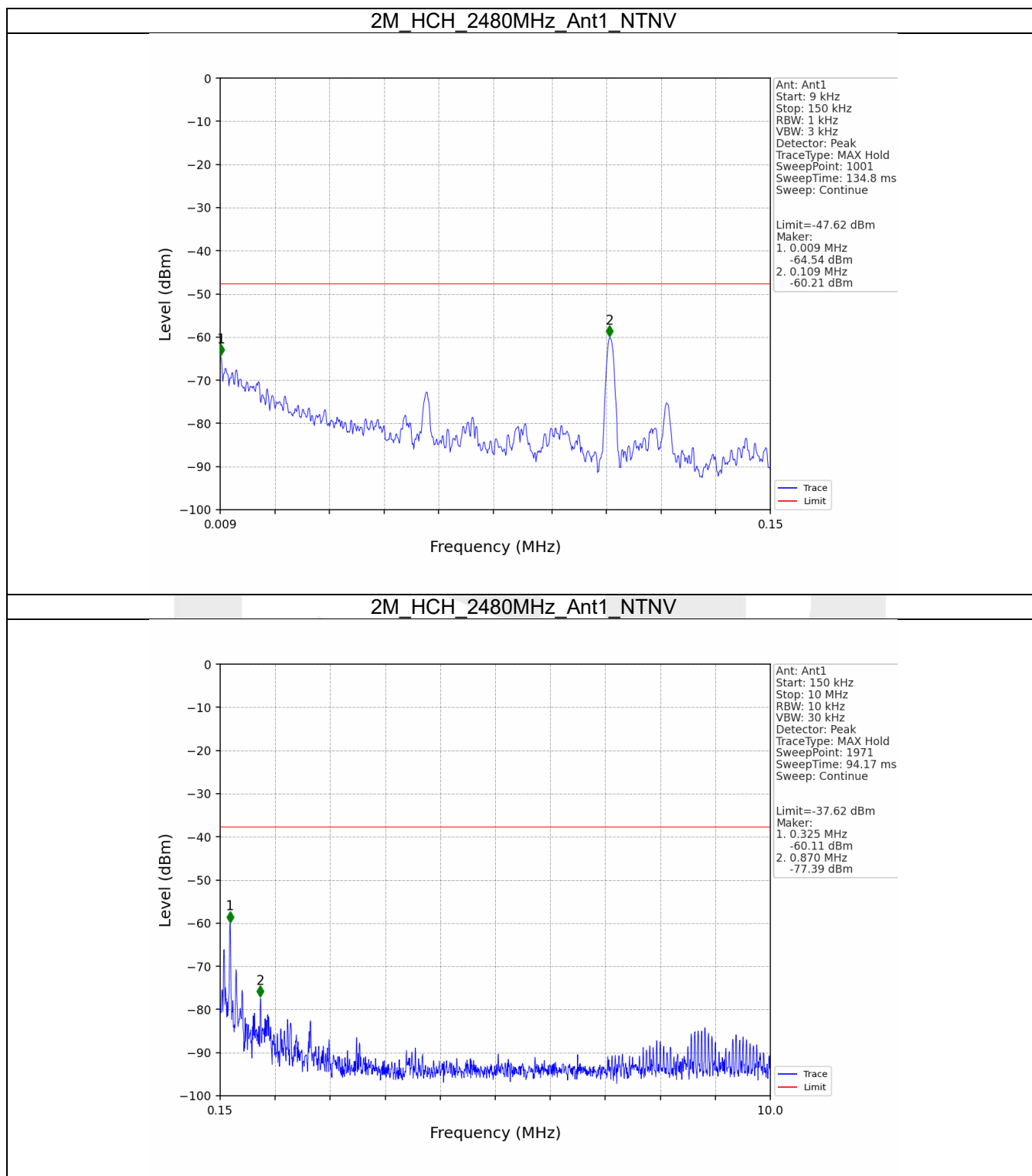


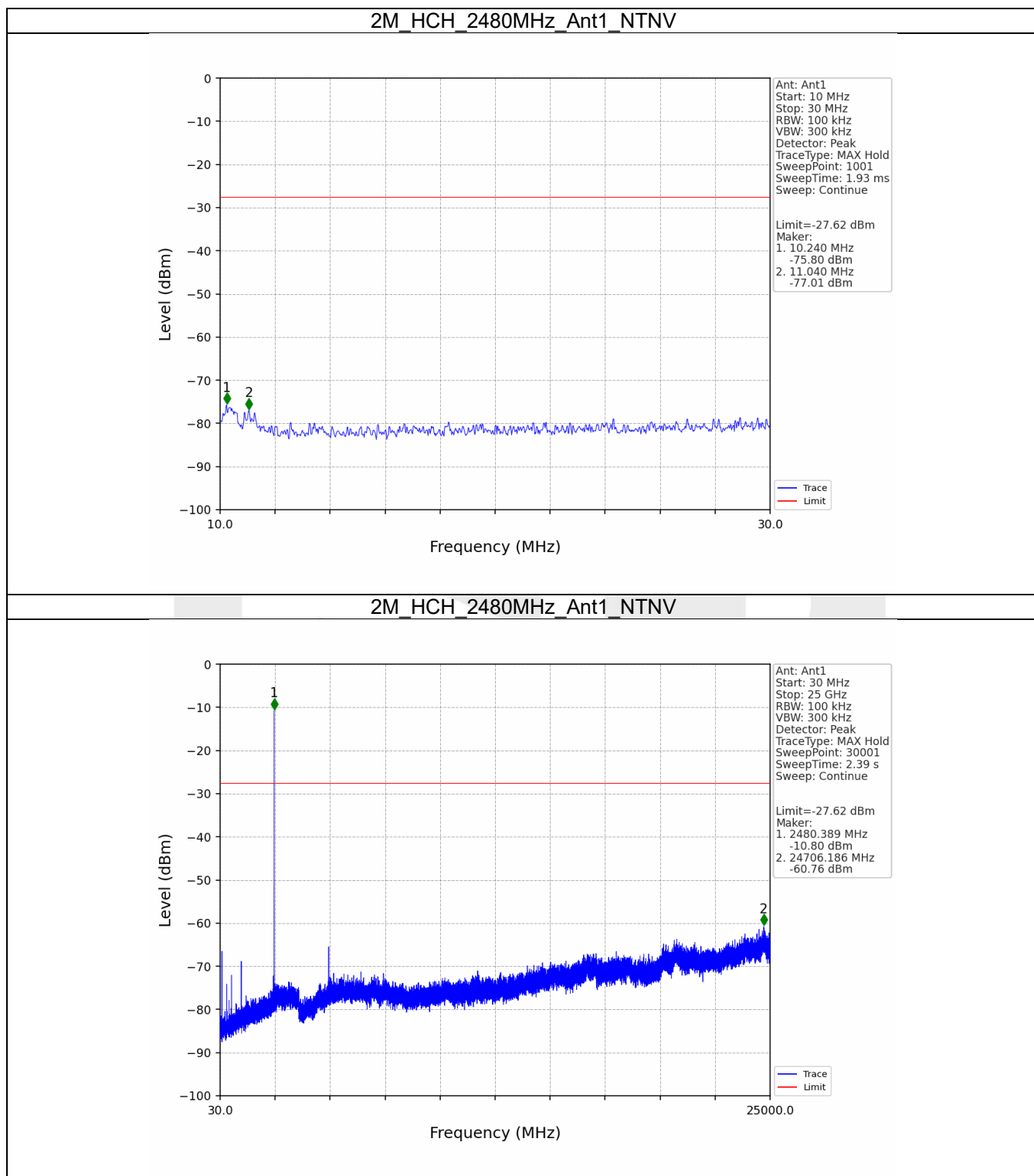












6. Unwanted Emissions In Restricted Frequency Bands

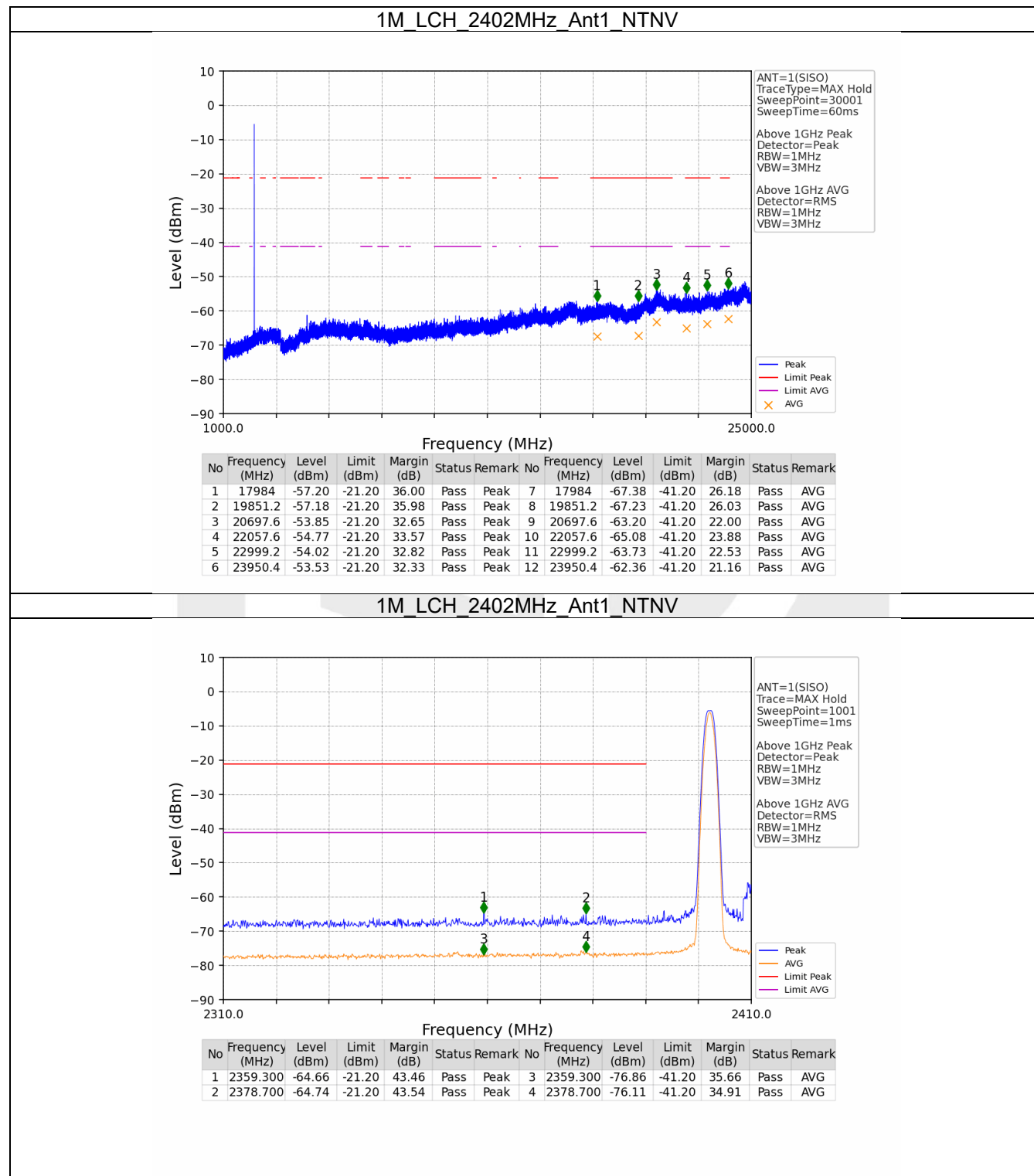
6.1 Test Result

6.1.1 RSE

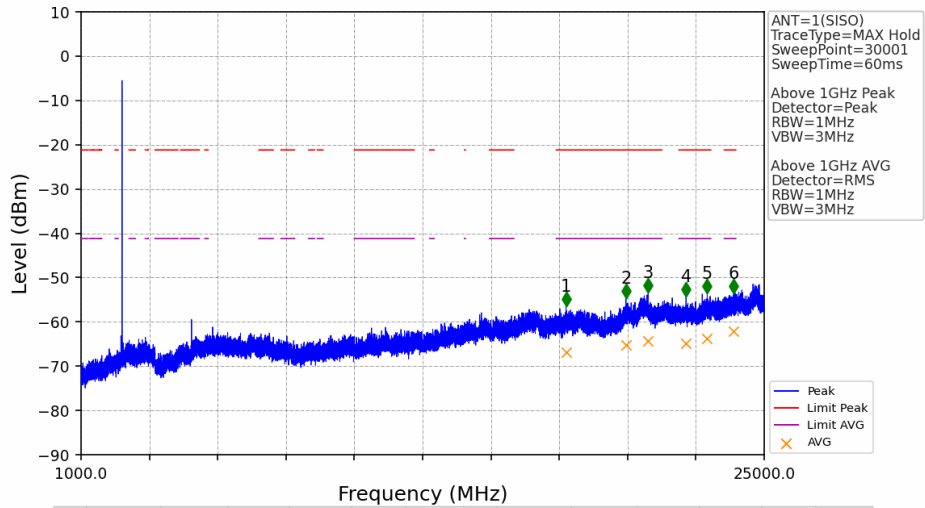
Mode	TX Type	Frequency (MHz)	ANT	Level of Unwanted Emissions (dBm)		Verdict
				Result	Limit	
1M	SISO	2402	1	Refer To Test Graph		Pass
		2440	1	Refer To Test Graph		Pass
		2480	1	Refer To Test Graph		Pass
2M	SISO	2402	1	Refer To Test Graph		Pass
		2440	1	Refer To Test Graph		Pass
		2480	1	Refer To Test Graph		Pass

6.2 Test Graph

6.2.1 RSE

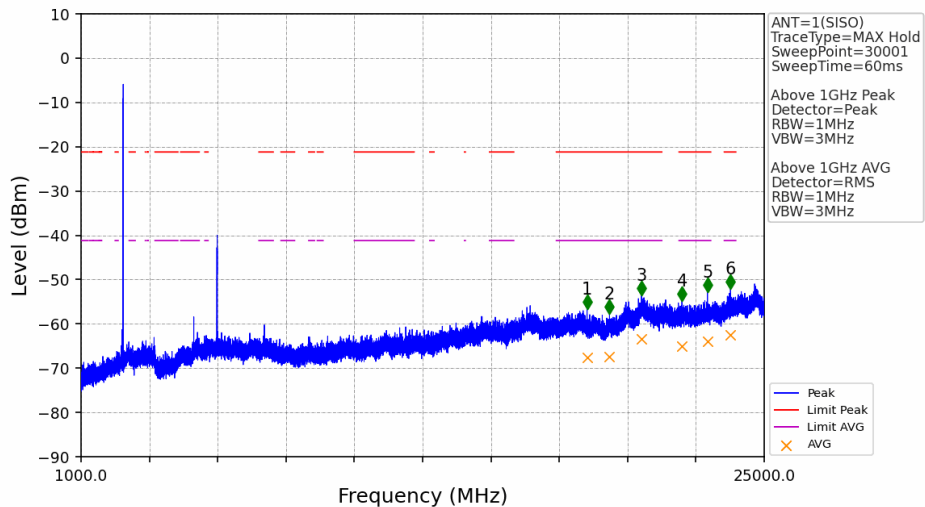


1M_MCH_2440MHz_Ant1_NTNV



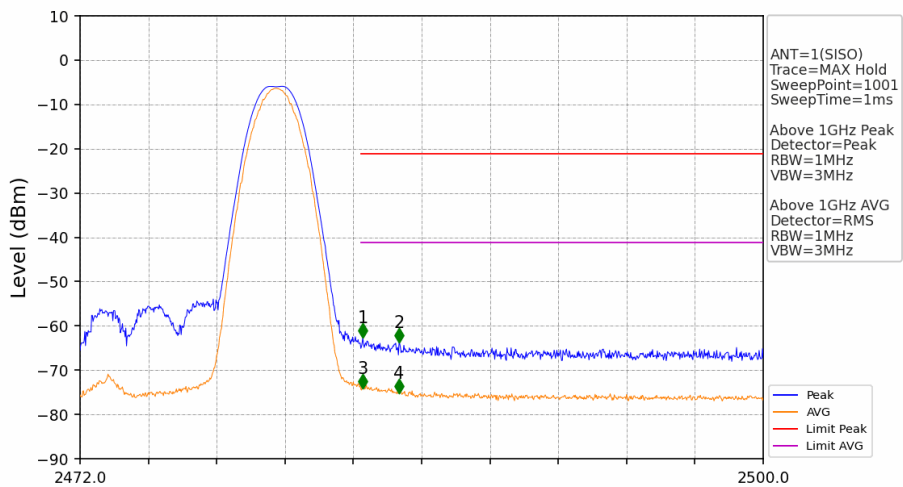
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18037.6	-56.40	-21.20	35.20	Pass	Peak	7	18037.6	-66.95	-41.20	25.75	Pass	AVG
2	20142.4	-54.68	-21.20	33.48	Pass	Peak	8	20142.4	-65.18	-41.20	23.98	Pass	AVG
3	20923.2	-53.39	-21.20	32.19	Pass	Peak	9	20923.2	-64.34	-41.20	23.14	Pass	AVG
4	22254.4	-54.19	-21.20	32.99	Pass	Peak	10	22254.4	-64.81	-41.20	23.61	Pass	AVG
5	22998.4	-53.55	-21.20	32.35	Pass	Peak	11	22998.4	-63.84	-41.20	22.64	Pass	AVG
6	23927.2	-53.50	-21.20	32.30	Pass	Peak	12	23927.2	-62.10	-41.20	20.90	Pass	AVG

1M_HCH_2480MHz_Ant1_NTNV



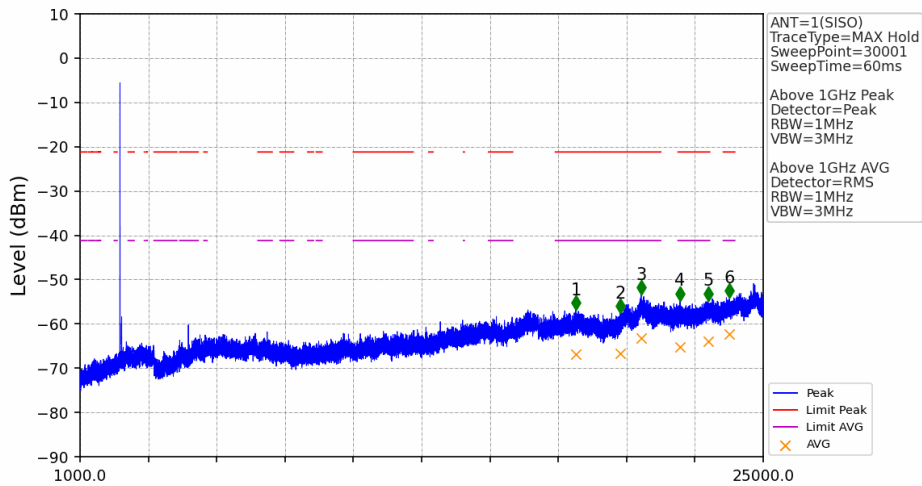
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18776.8	-56.69	-21.20	35.49	Pass	Peak	7	18776.8	-67.68	-41.20	26.48	Pass	AVG
2	19565.6	-57.76	-21.20	36.55	Pass	Peak	8	19565.6	-67.43	-41.20	26.23	Pass	AVG
3	20689.6	-53.53	-21.20	32.33	Pass	Peak	9	20689.6	-63.34	-41.20	22.14	Pass	AVG
4	22110.4	-54.77	-21.20	33.57	Pass	Peak	10	22110.4	-64.99	-41.20	23.79	Pass	AVG
5	23005.6	-52.76	-21.20	31.56	Pass	Peak	11	23005.6	-63.96	-41.20	22.76	Pass	AVG
6	23815.2	-52.12	-21.20	30.92	Pass	Peak	12	23815.2	-62.56	-41.20	21.36	Pass	AVG

1M_HCH_2480MHz_Ant1_NTNV



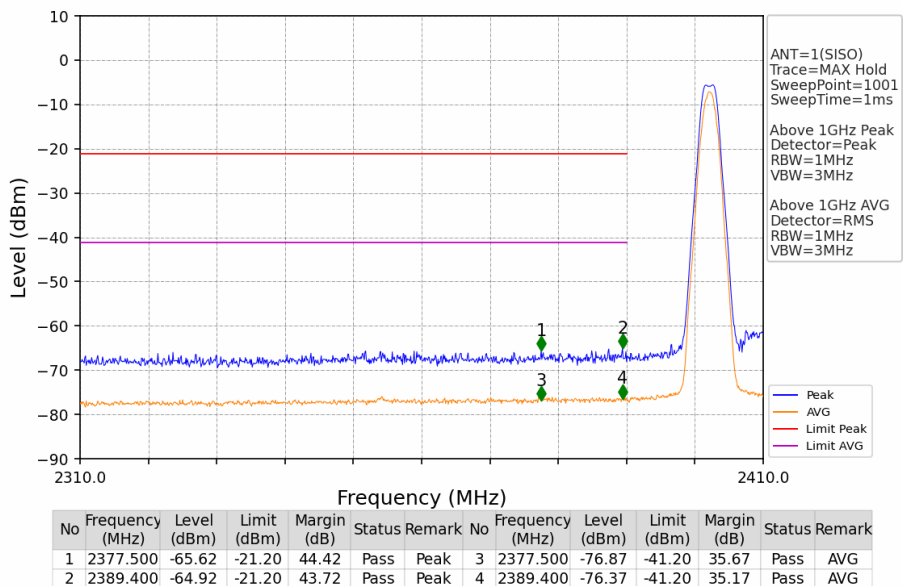
No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.592	-62.55	-21.20	41.35	Pass	Peak	3	2483.592	-74.15	-41.20	32.95	Pass	AVG
2	2485.076	-63.71	-21.20	42.51	Pass	Peak	4	2485.076	-75.14	-41.20	33.94	Pass	AVG

2M_LCH_2402MHz_Ant1_NTNV

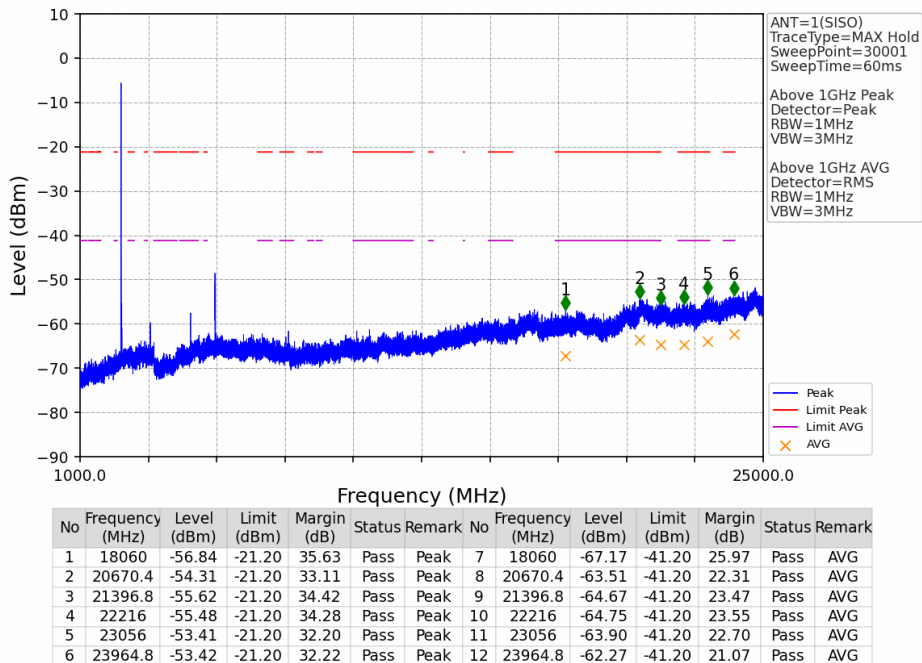


No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	18416	-56.85	-21.20	35.65	Pass	Peak	7	18416	-66.94	-41.20	25.74	Pass	AVG
2	19978.4	-57.44	-21.20	36.24	Pass	Peak	8	19978.4	-66.77	-41.20	25.57	Pass	AVG
3	20711.2	-53.40	-21.20	32.20	Pass	Peak	9	20711.2	-63.16	-41.20	21.96	Pass	AVG
4	22077.6	-54.70	-21.20	33.50	Pass	Peak	10	22077.6	-65.15	-41.20	23.95	Pass	AVG
5	23056.8	-54.70	-21.20	33.50	Pass	Peak	11	23056.8	-63.94	-41.20	22.74	Pass	AVG
6	23816	-54.03	-21.20	32.84	Pass	Peak	12	23816	-62.40	-41.20	21.20	Pass	AVG

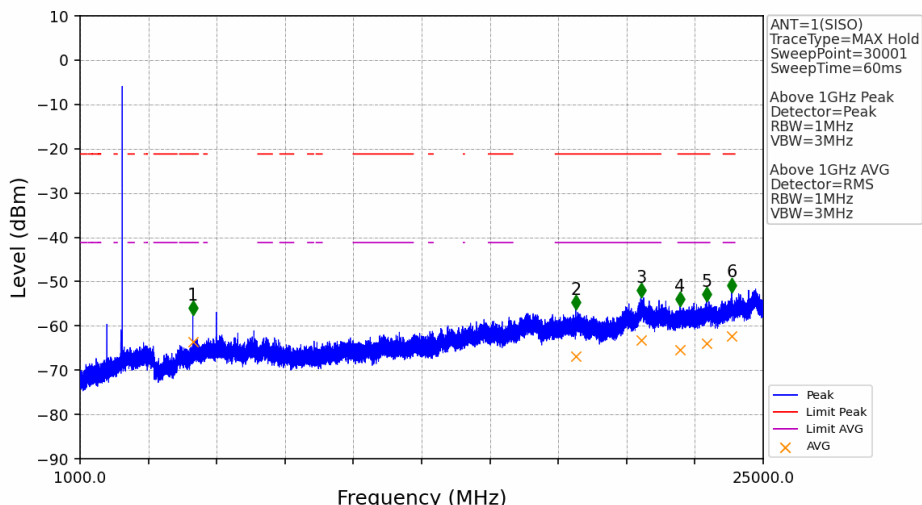
2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV

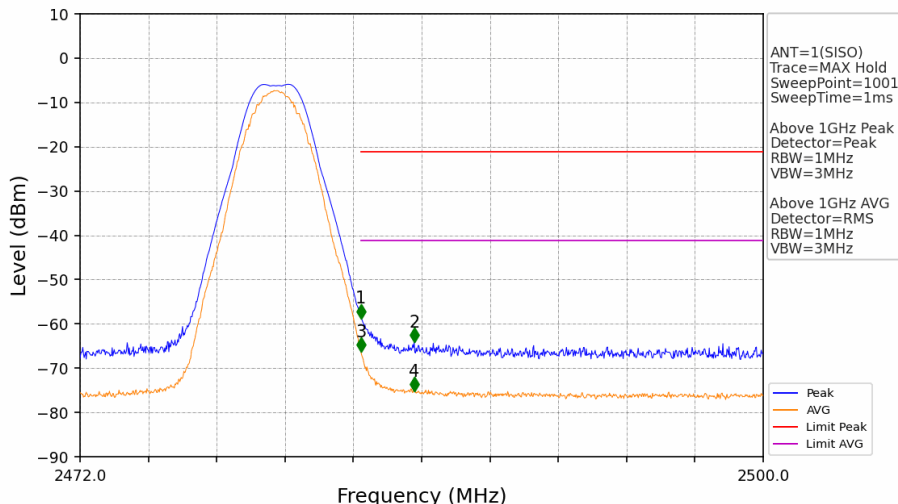


2M_HCH_2480MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	4961.6	-57.46	-21.20	36.26	Pass	Peak	7	4961.6	-63.50	-41.20	22.30	Pass	AVG
2	18413.6	-56.31	-21.20	35.11	Pass	Peak	8	18413.6	-66.87	-41.20	25.67	Pass	AVG
3	20704.8	-53.51	-21.20	32.31	Pass	Peak	9	20704.8	-63.28	-41.20	22.08	Pass	AVG
4	22064.8	-55.60	-21.20	34.41	Pass	Peak	10	22064.8	-65.33	-41.20	24.13	Pass	AVG
5	23011.2	-54.49	-21.20	33.29	Pass	Peak	11	23011.2	-63.91	-41.20	22.71	Pass	AVG
6	23891.2	-52.33	-21.20	31.13	Pass	Peak	12	23891.2	-62.25	-41.20	21.05	Pass	AVG

2M_HCH_2480MHz_Ant1_NTNV



No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2483.508	-58.71	-21.20	37.51	Pass	Peak	3	2483.508	-66.28	-41.20	25.08	Pass	AVG
2	2485.692	-64.16	-21.20	42.96	Pass	Peak	4	2485.692	-75.18	-41.20	33.98	Pass	AVG

----- End of Report -----