



Appendix A

RF Test Data for BT LE (Conducted Measurement)

Product Name: Electric Scooter

Test Model: EC10

Environmental Conditions

Temperature:	23.7° C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Nick Peng



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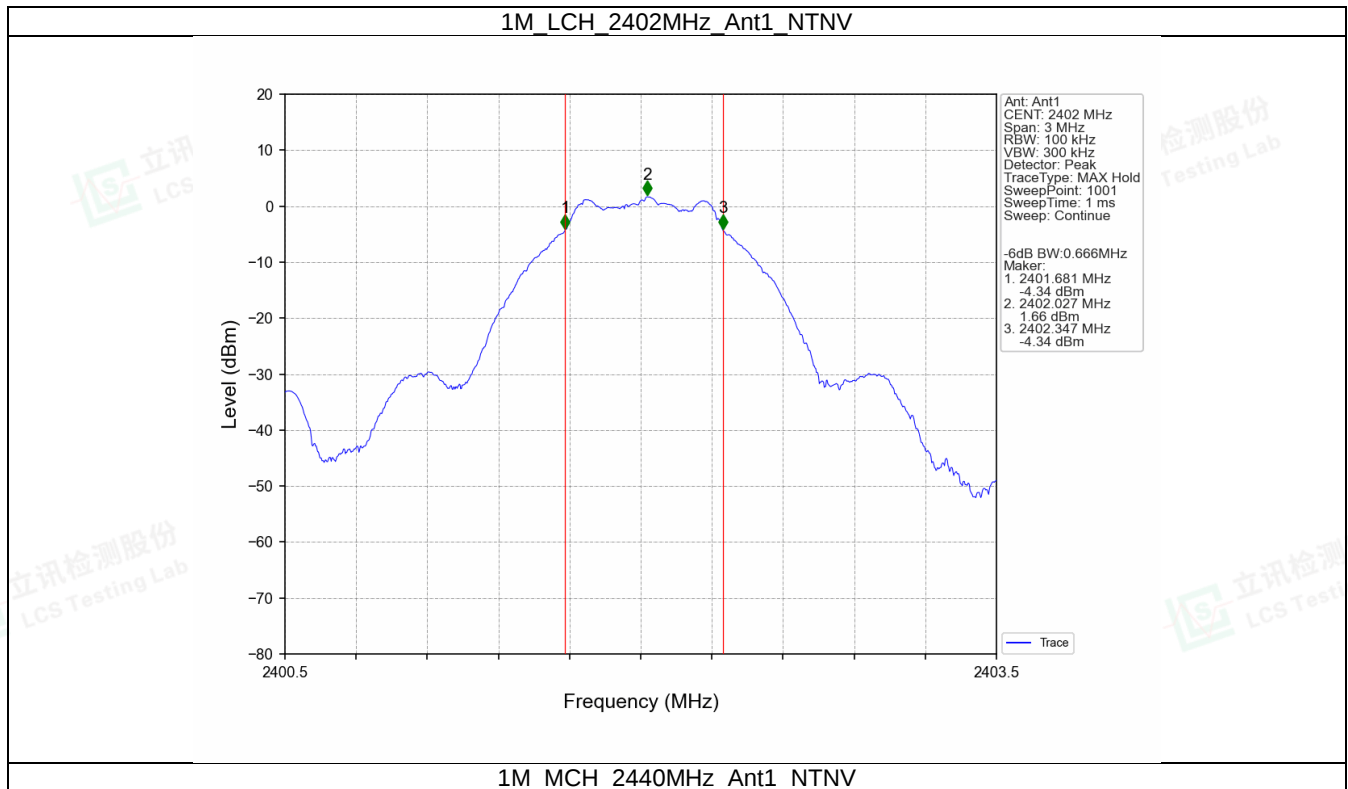
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A.1 -6dB Bandwidth

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1M	SISO	2402	1	0.666	≥ 0.5	Pass
		2440	1	0.668	≥ 0.5	Pass
		2480	1	0.665	≥ 0.5	Pass
2M	SISO	2402	1	1.172	≥ 0.5	Pass
		2440	1	1.170	≥ 0.5	Pass
		2480	1	1.168	≥ 0.5	Pass

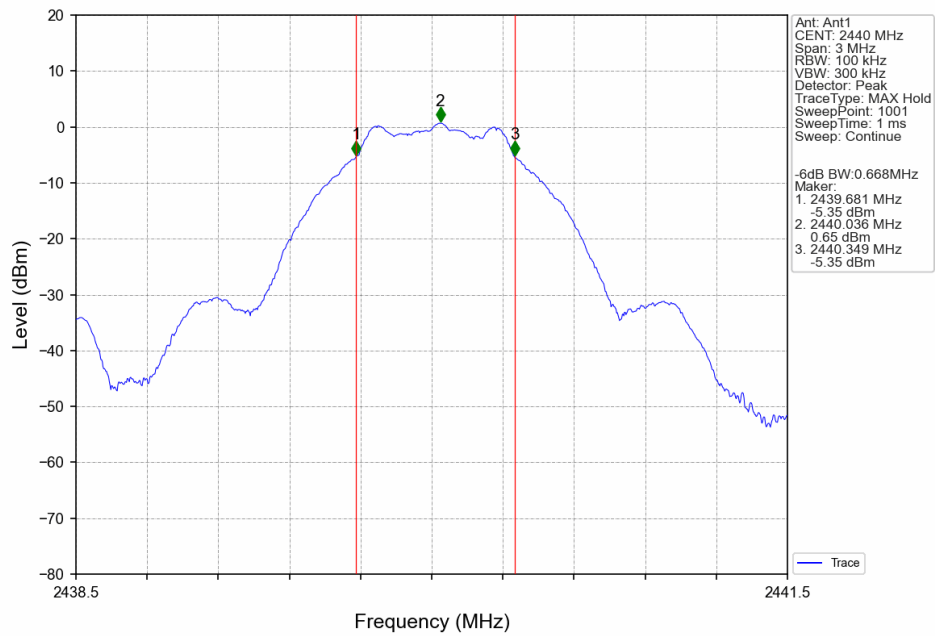


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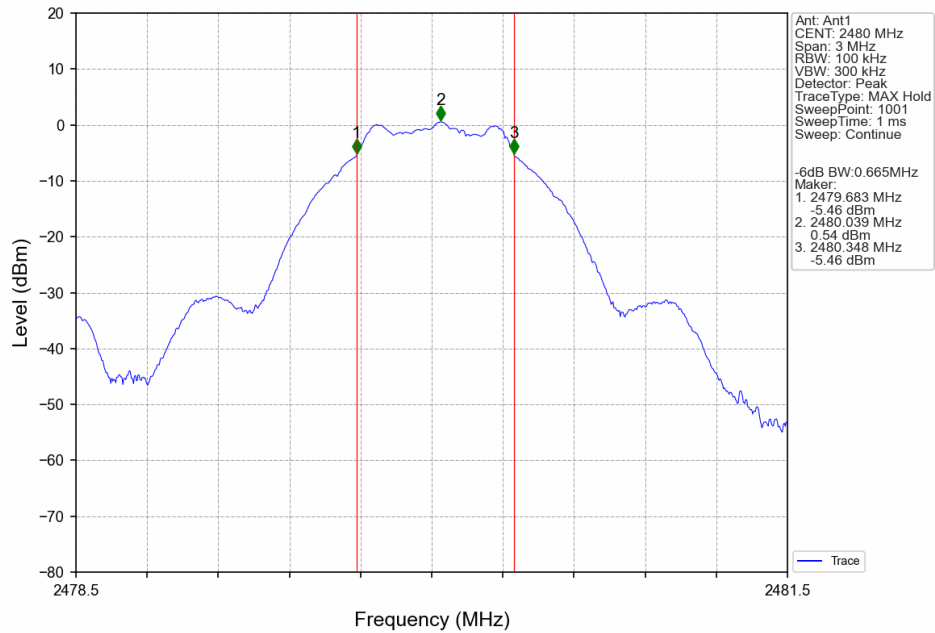
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1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV

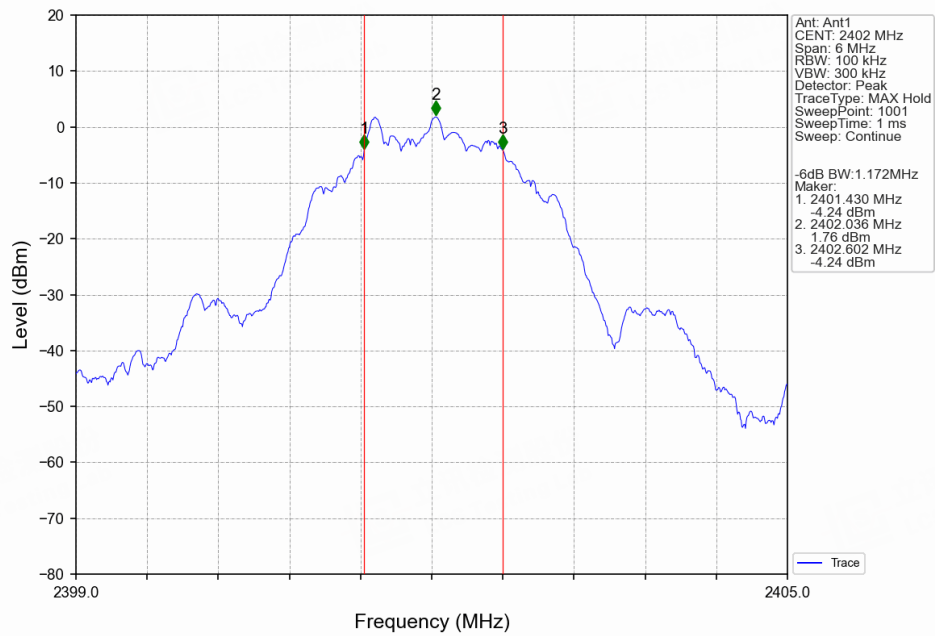


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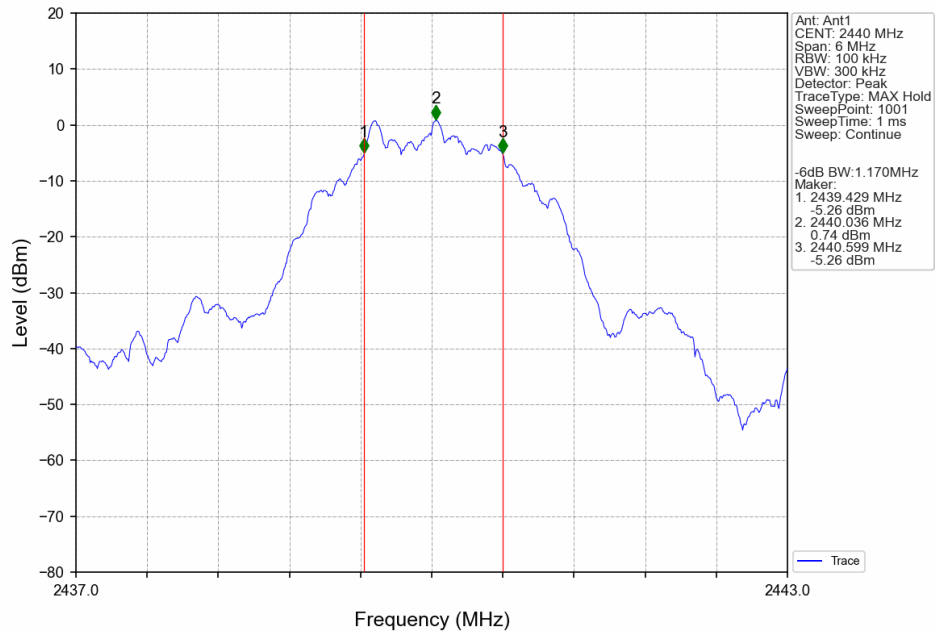
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2M_MCH_2440MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV

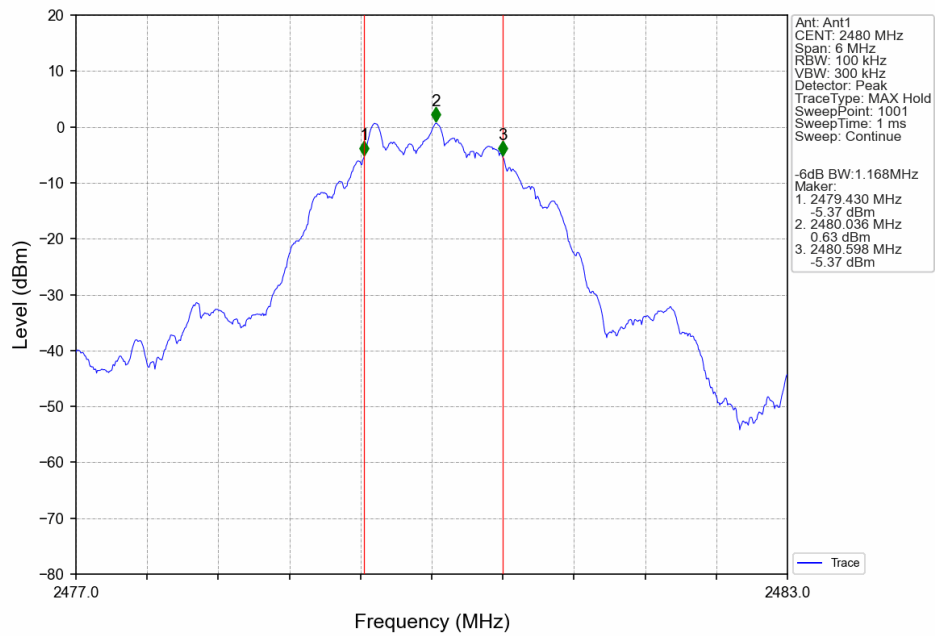


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A.2 Maximum Peak Conducted Output Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1.80	<=30	Pass
		2440	0.80	<=30	Pass
		2480	0.68	<=30	Pass
2M	SISO	2402	1.97	<=30	Pass
		2440	0.97	<=30	Pass
		2480	0.91	<=30	Pass



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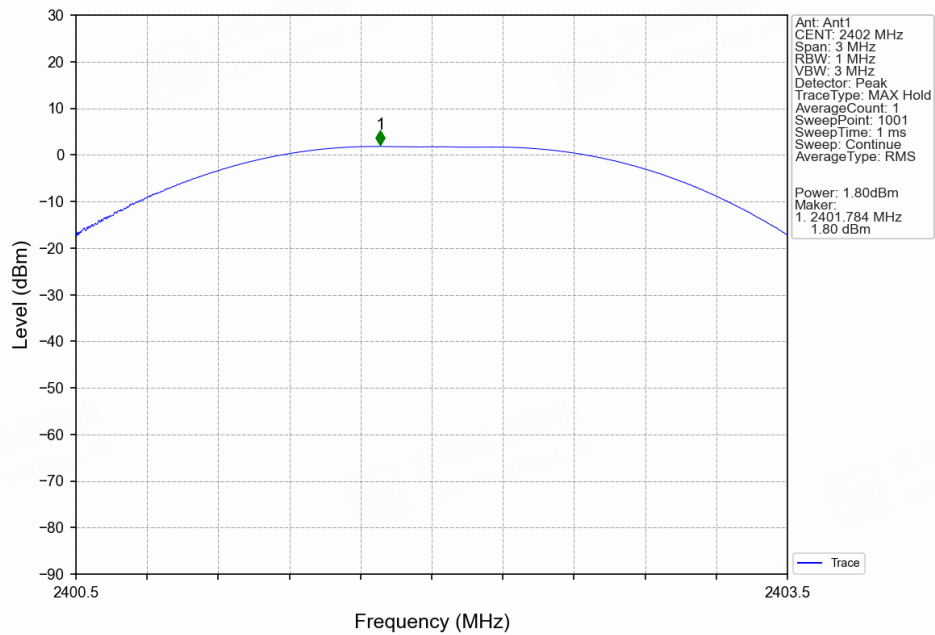
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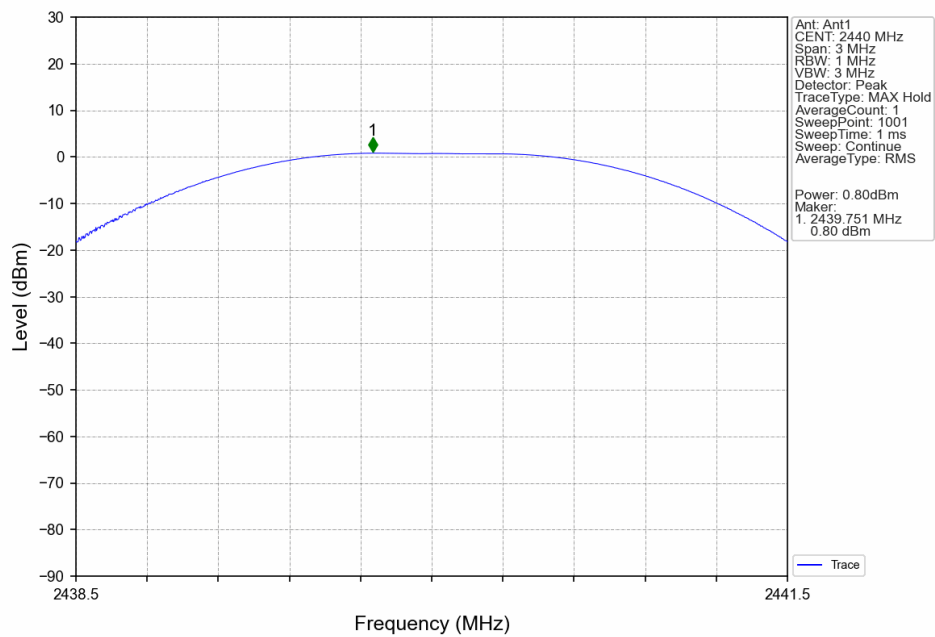
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1M LCH 2402MHz Ant1 NTV



1M MCH 2440MHz Ant1 NTV



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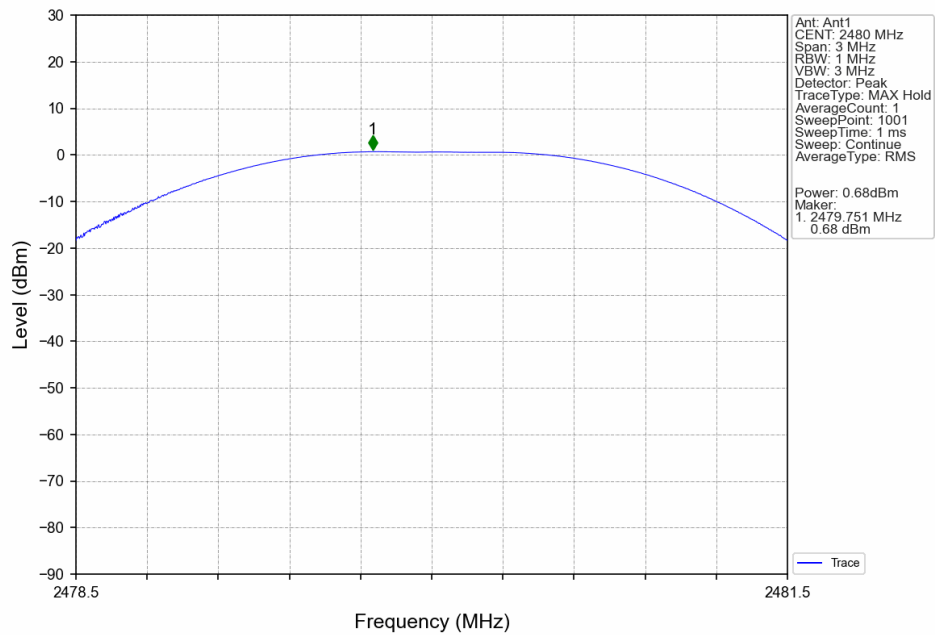
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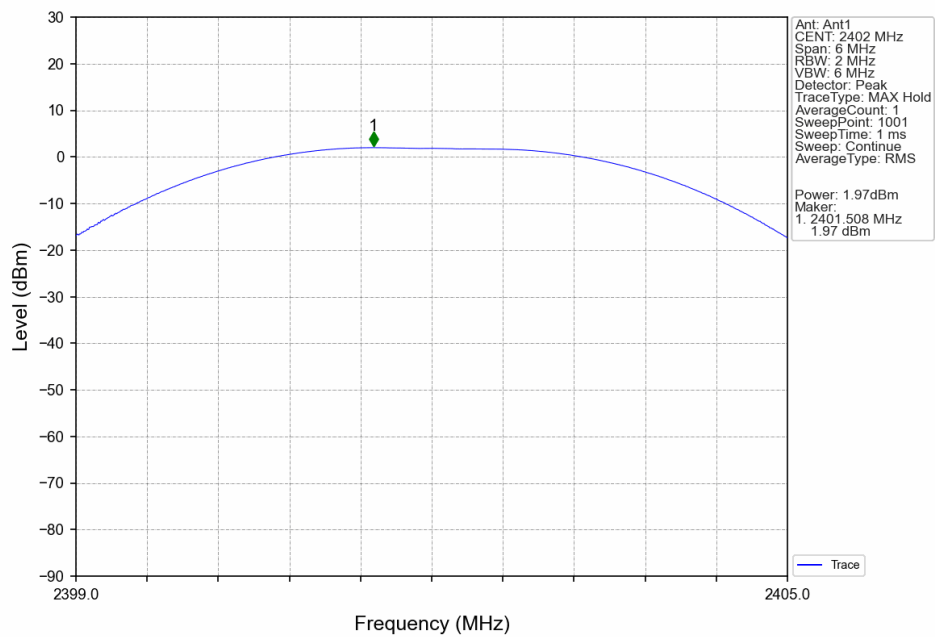
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1M HCH 2480MHz Ant1 NTV



2M LCH 2402MHz Ant1 NTV



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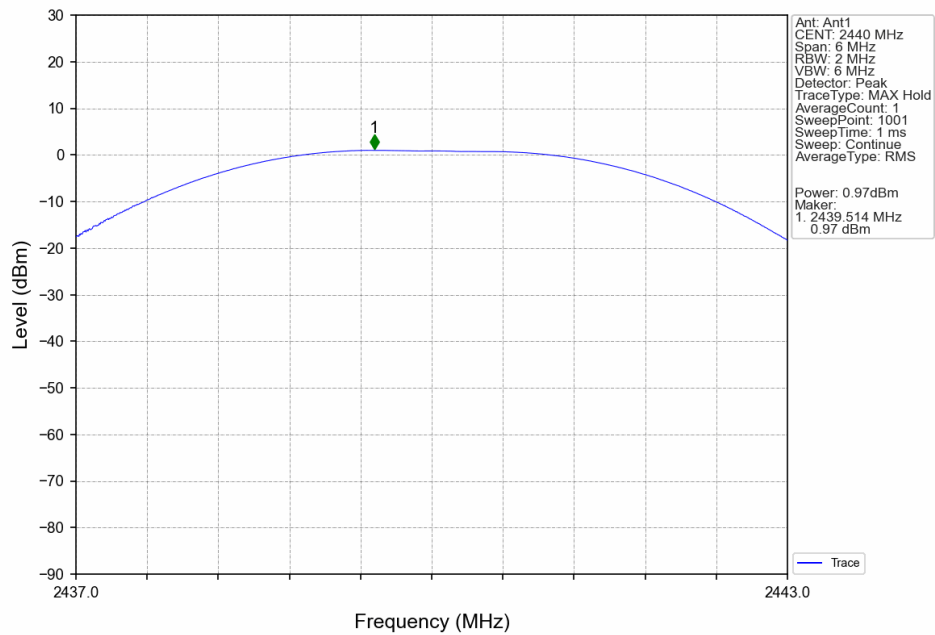
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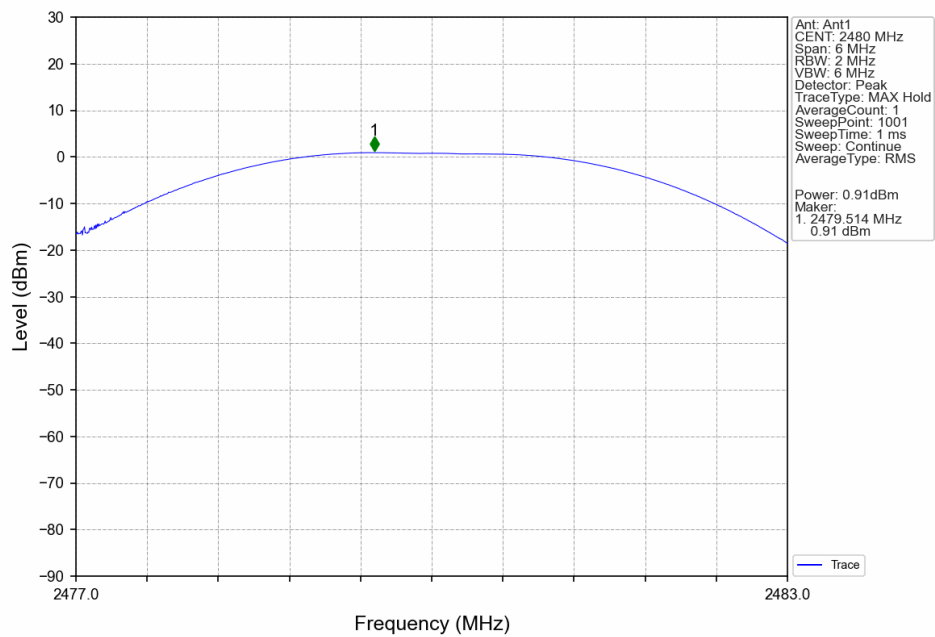
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2M MCH 2440MHz Ant1 NTNV



2M HCH 2480MHz Ant1 NTNV



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A.3 Maximum Power Spectral Density Level

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
1M	SISO	2402	-14.15	<=8	Pass
		2440	-15.15	<=8	Pass
		2480	-15.21	<=8	Pass
2M	SISO	2402	-16.19	<=8	Pass
		2440	-17.11	<=8	Pass
		2480	-17.16	<=8	Pass



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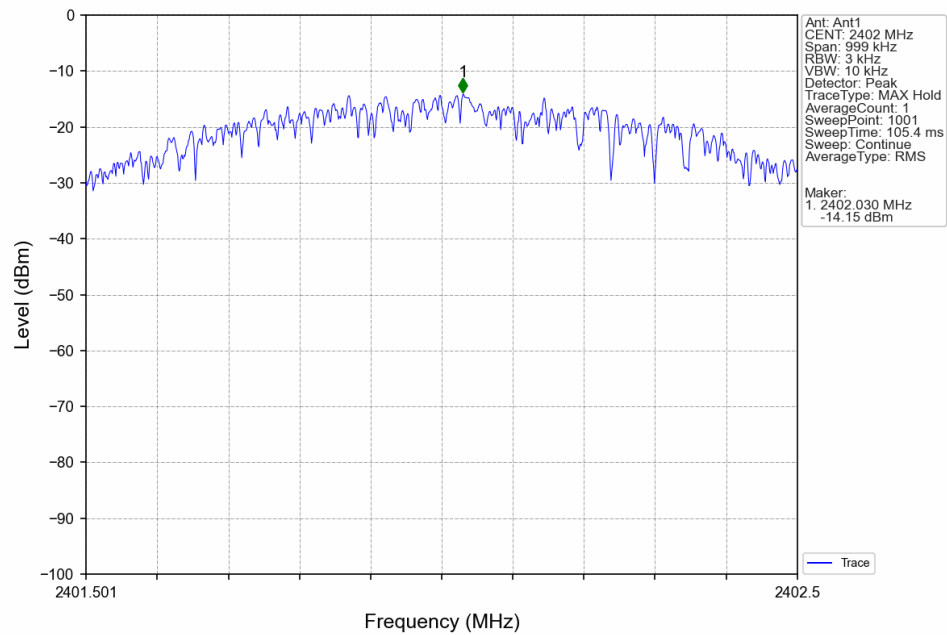
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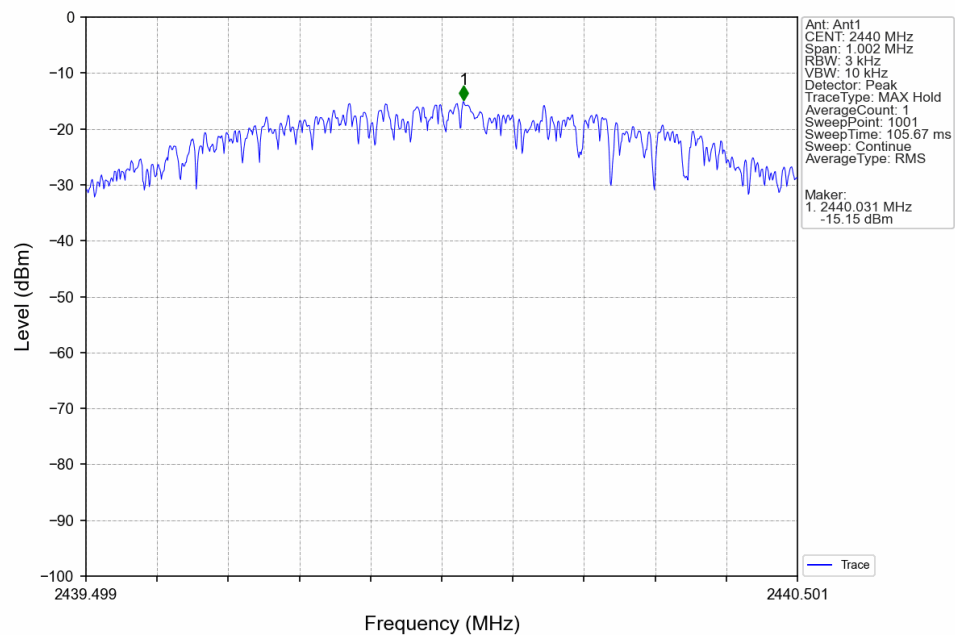
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1M LCH 2402MHz Ant1 NTNV



1M MCH 2440MHz Ant1 NTNV



1M HCH 2480MHz Ant1 NTNV

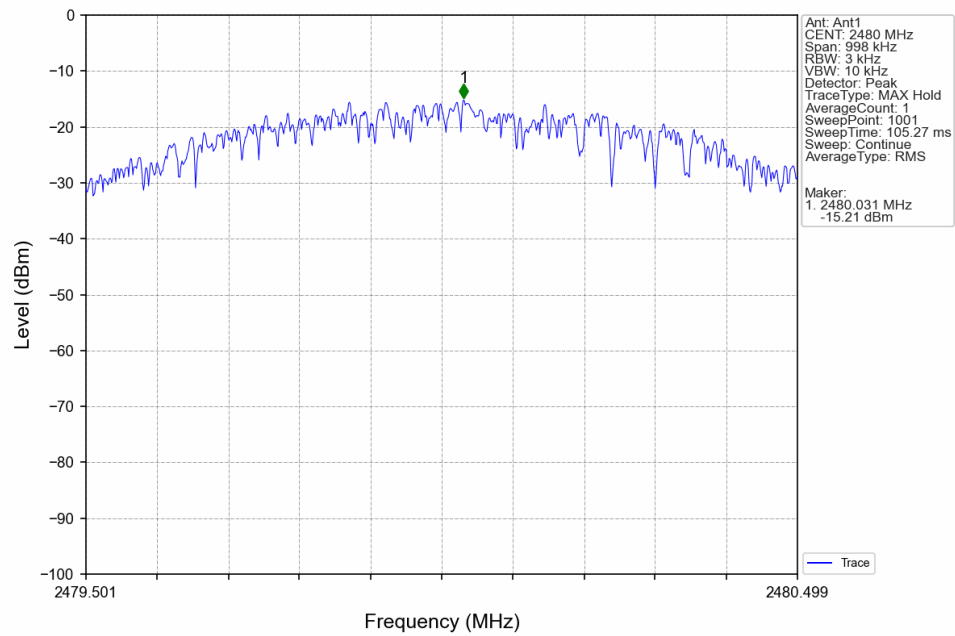


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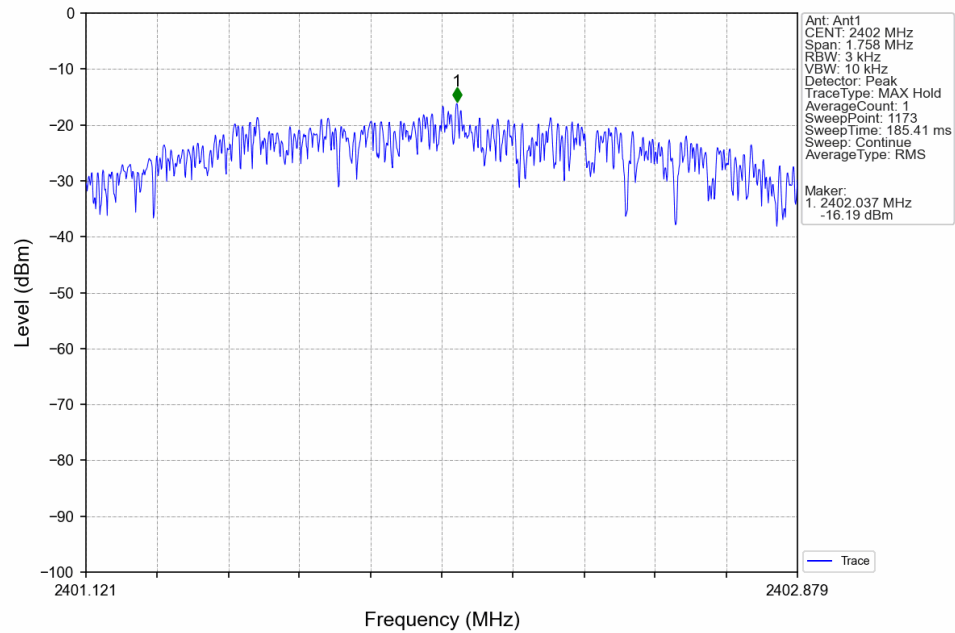
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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV

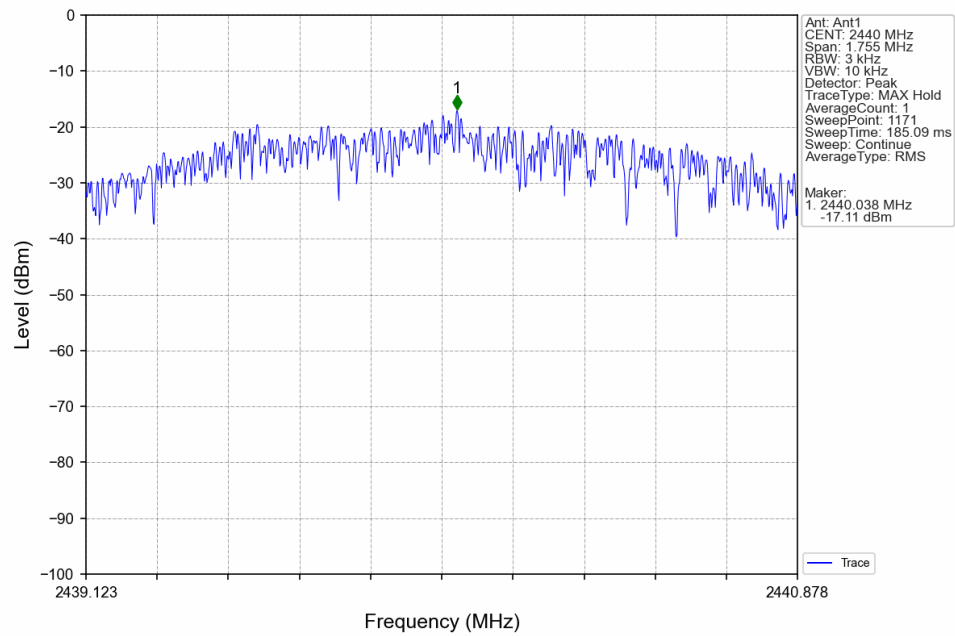


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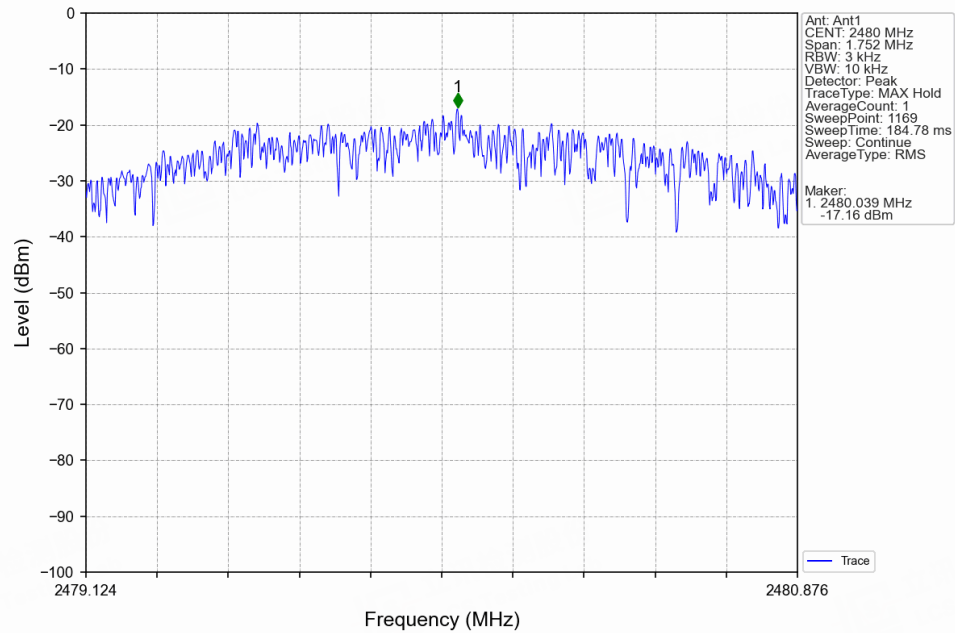
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2M_HCH_2480MHz_Ant1_NTNV



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A.4 Band Edge

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
1M	SISO	2402	1	1.61	-18.39	Pass
		2440	1	0.61	-19.39	Pass
		2480	1	0.51	-19.49	Pass
2M	SISO	2402	1	1.67	-18.33	Pass
		2440	1	0.67	-19.33	Pass
		2480	1	0.57	-19.43	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.



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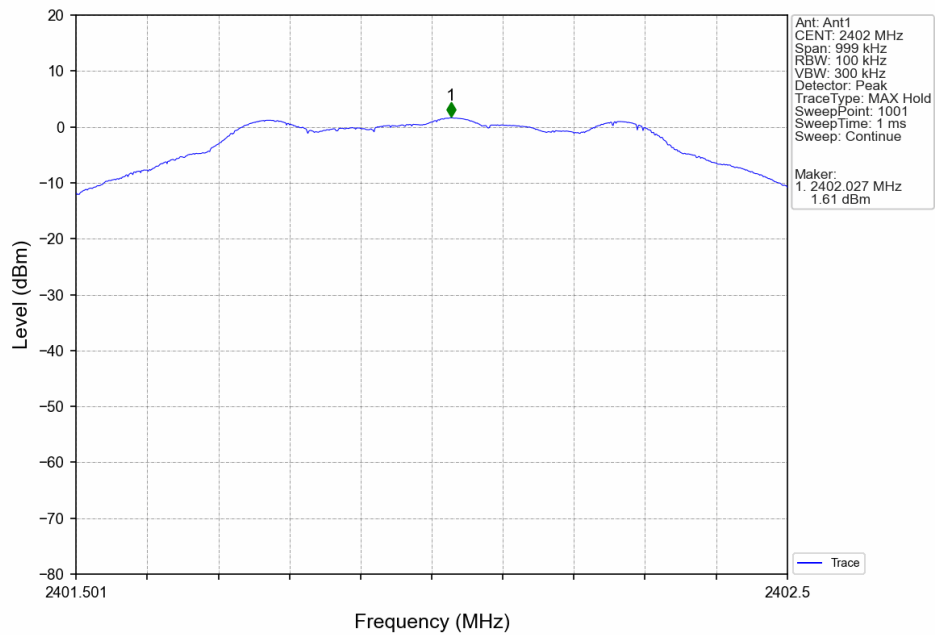
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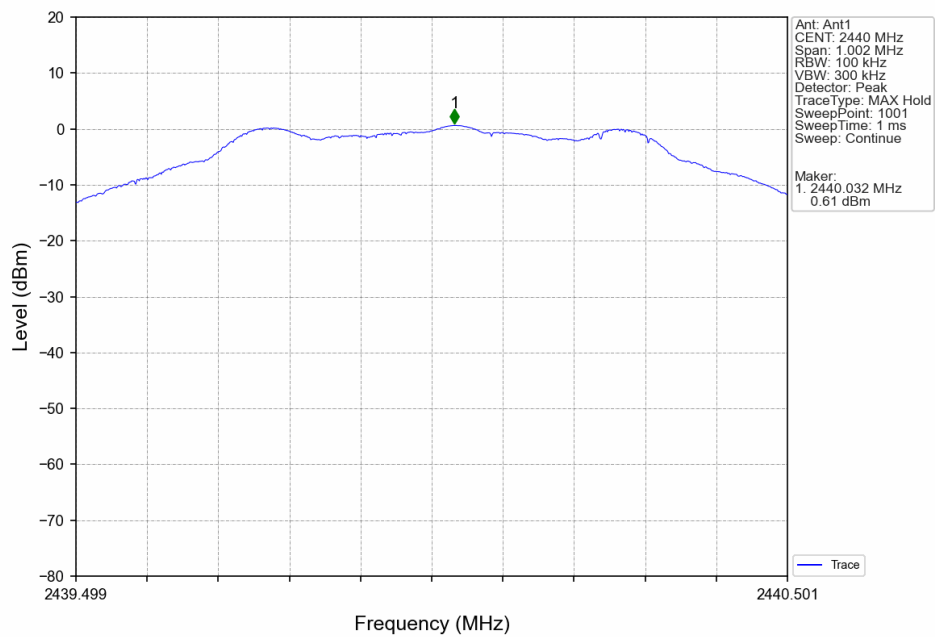
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1M LCH 2402MHz Ant1 NTV



1M MCH 2440MHz Ant1 NTV



Shenzhen LCS Compliance Testing Laboratory Ltd.

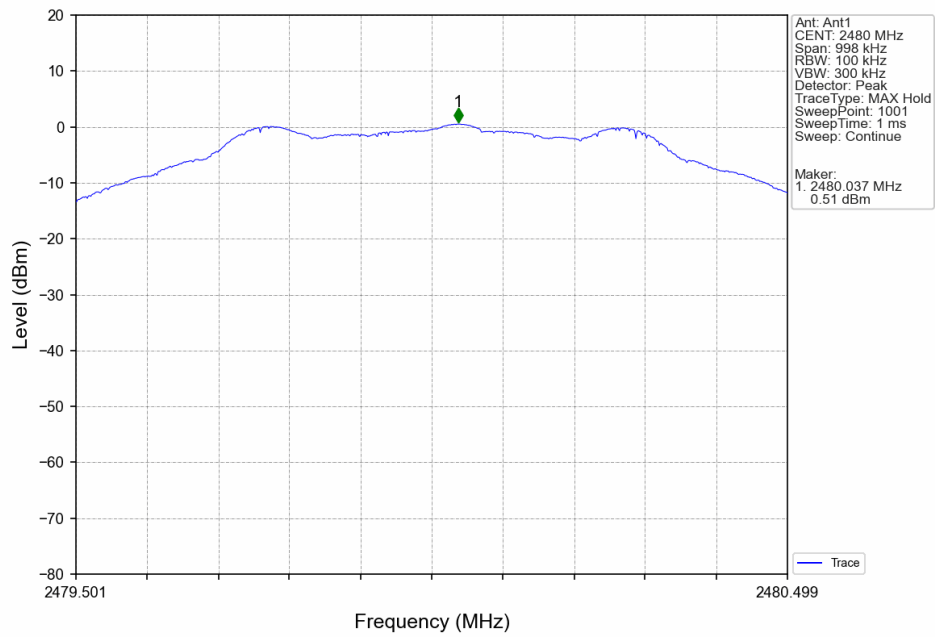
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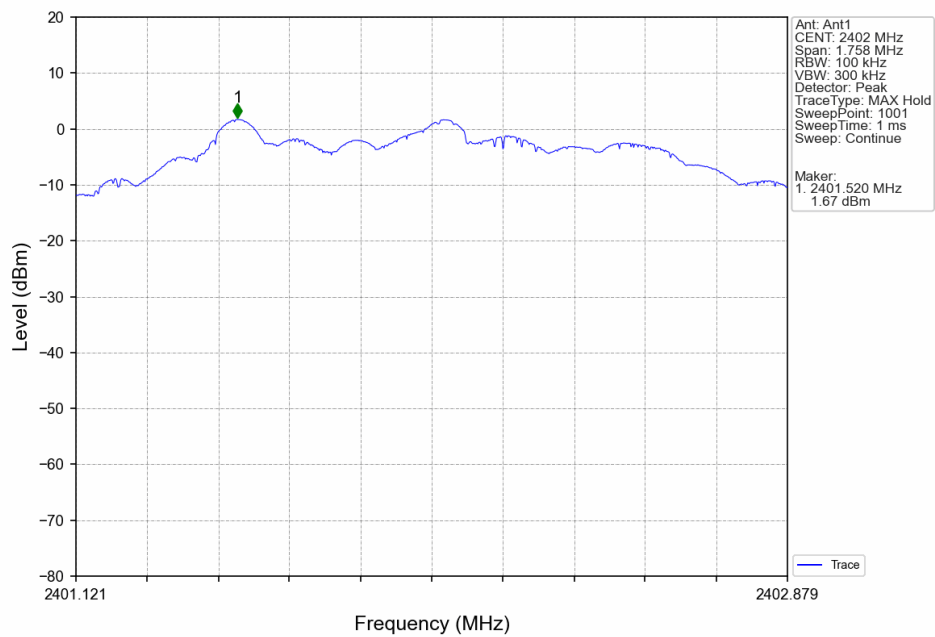
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1M HCH 2480MHz Ant1 NTV



2M LCH 2402MHz Ant1 NTV



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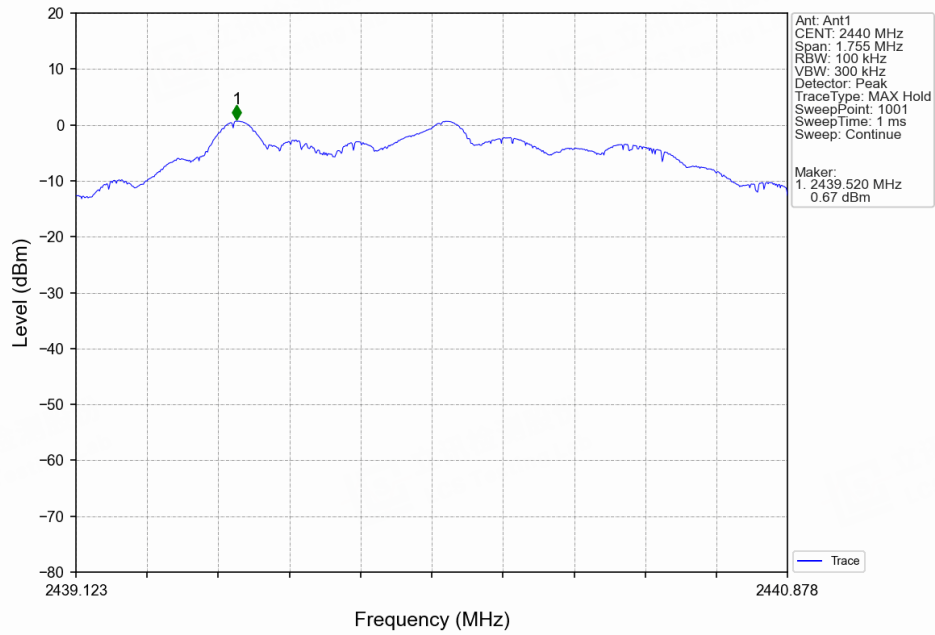
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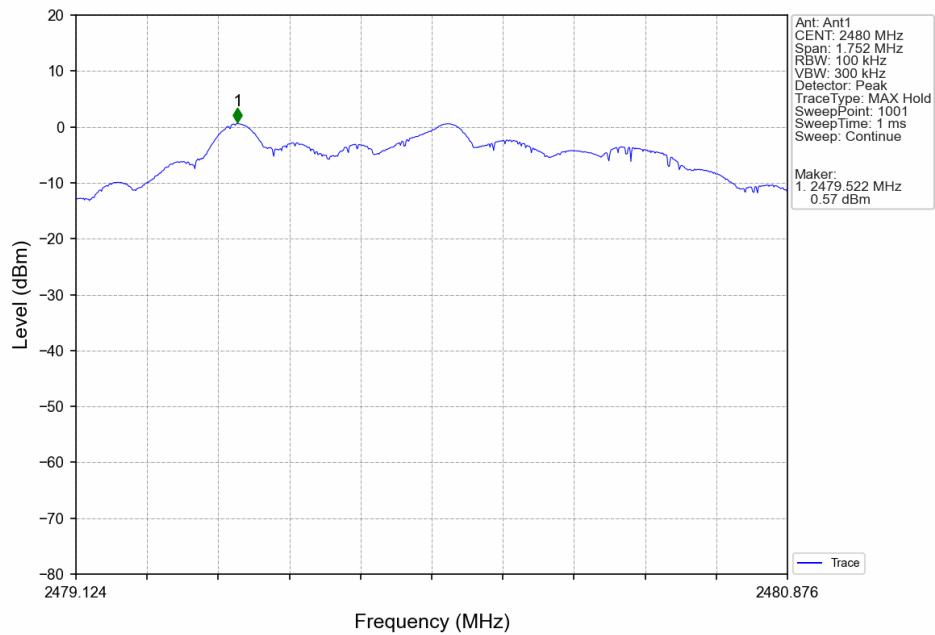
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2M MCH 2440MHz Ant1 NTNV



2M HCH 2480MHz Ant1 NTNV



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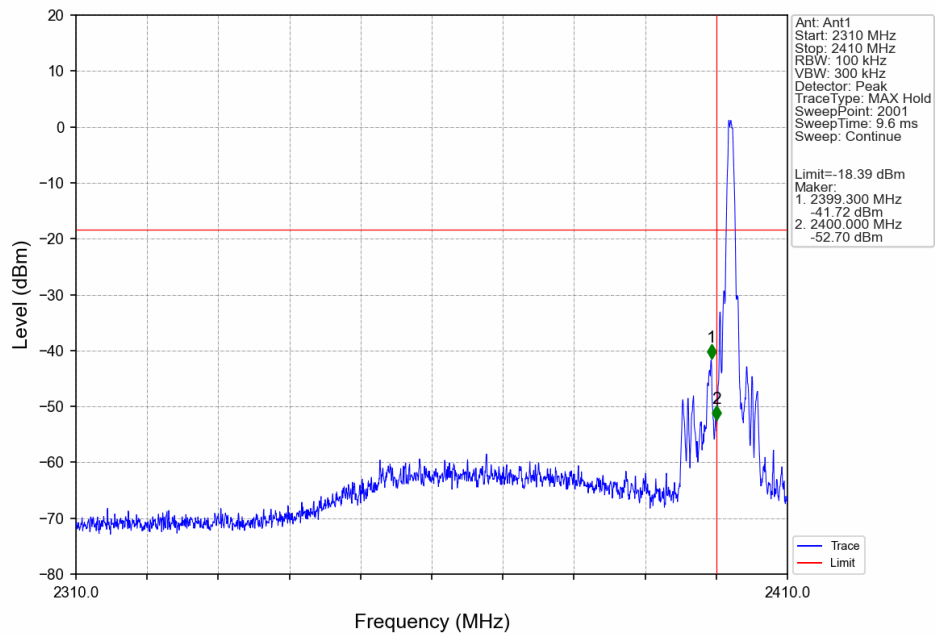
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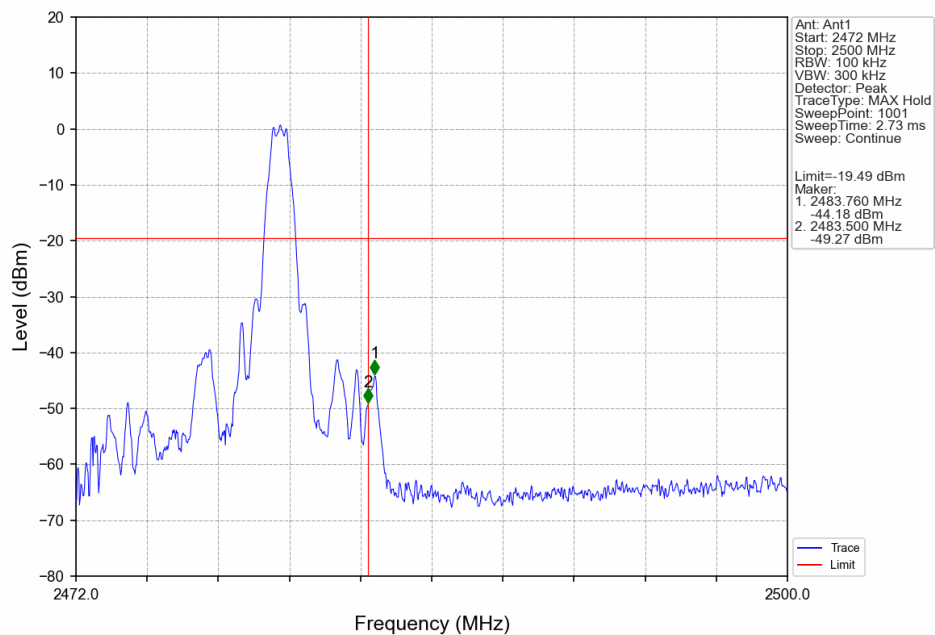
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1M LCH 2402MHz Ant1 NTNV



1M HCH 2480MHz Ant1 NTNV



2M LCH 2402MHz Ant1 NTNV

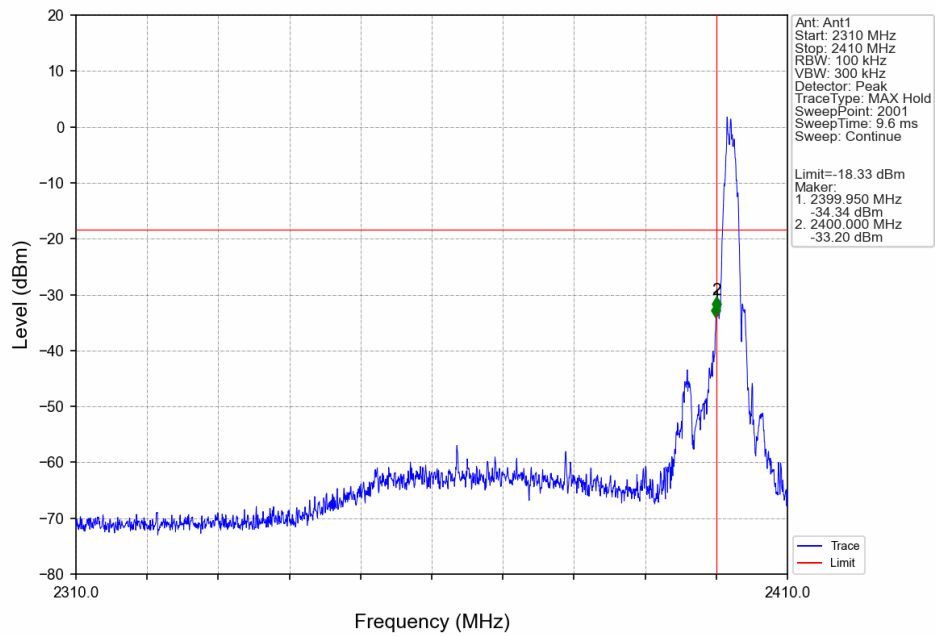


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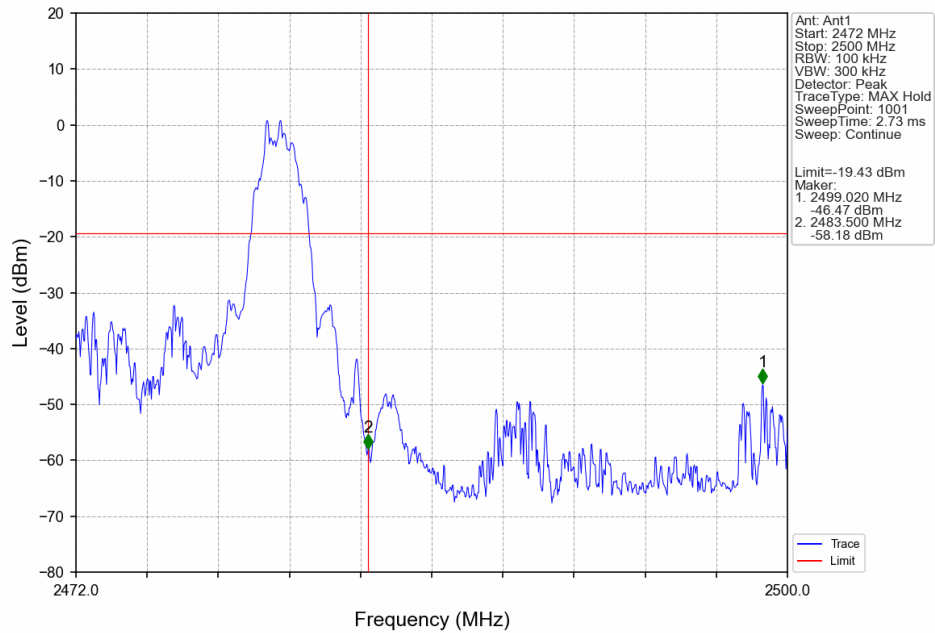
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2M_HCH_2480MHz_Ant1_NTNV



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A.5 Conducted RF Spurious Emission

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
1M	SISO	2402	1	1.61
		2440	1	0.61
		2480	1	0.51
2M	SISO	2402	1	-1.68
		2440	1	0.67
		2480	1	0.57

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.



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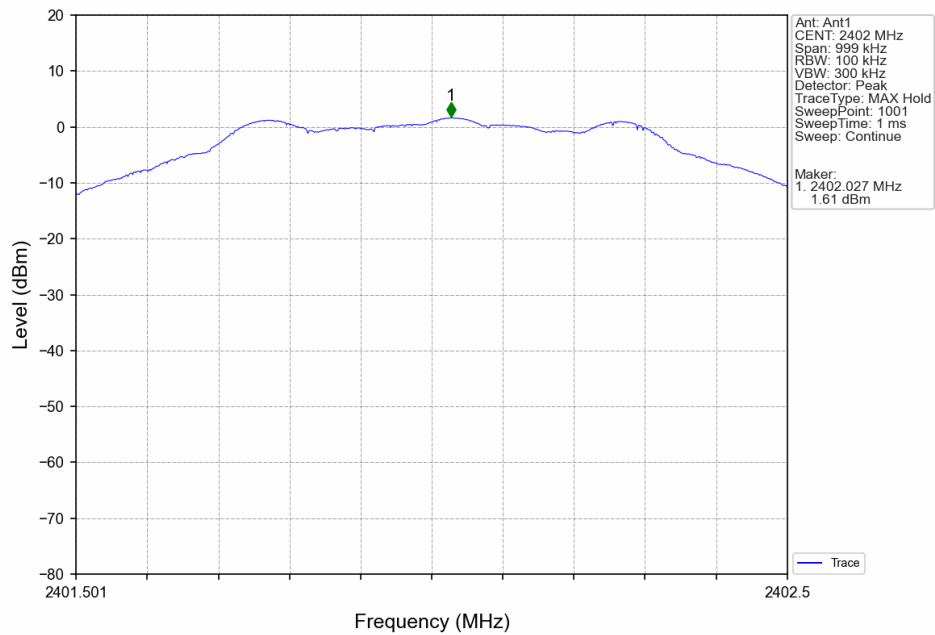
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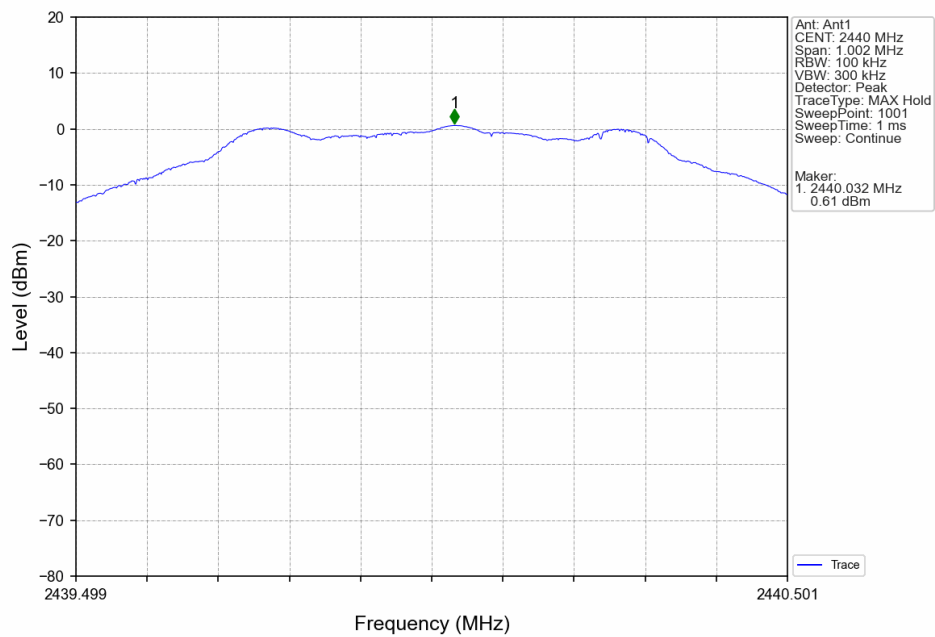
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1M LCH 2402MHz Ant1 NTV



1M MCH 2440MHz Ant1 NTV



1M HCH 2480MHz Ant1 NTV

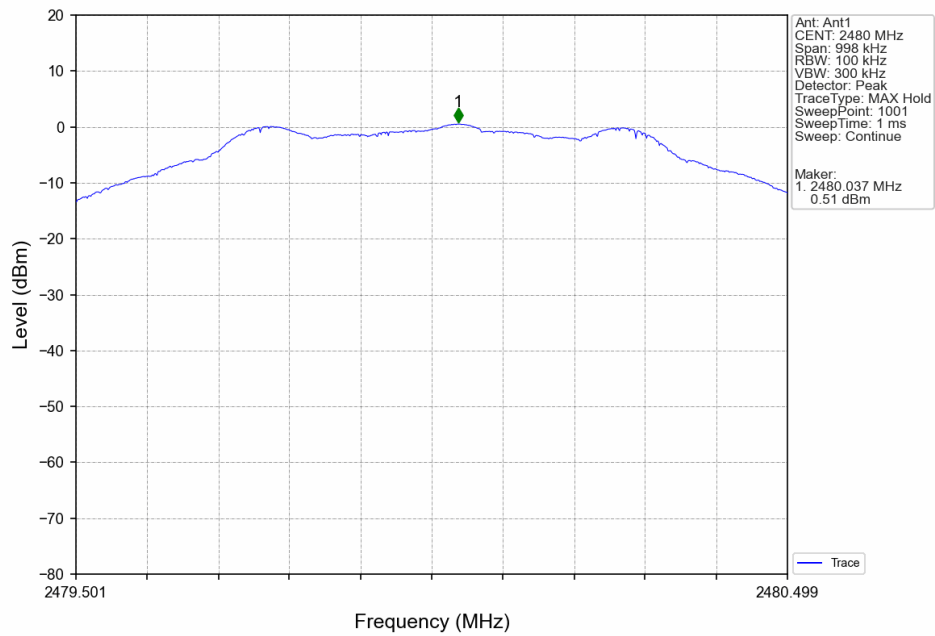


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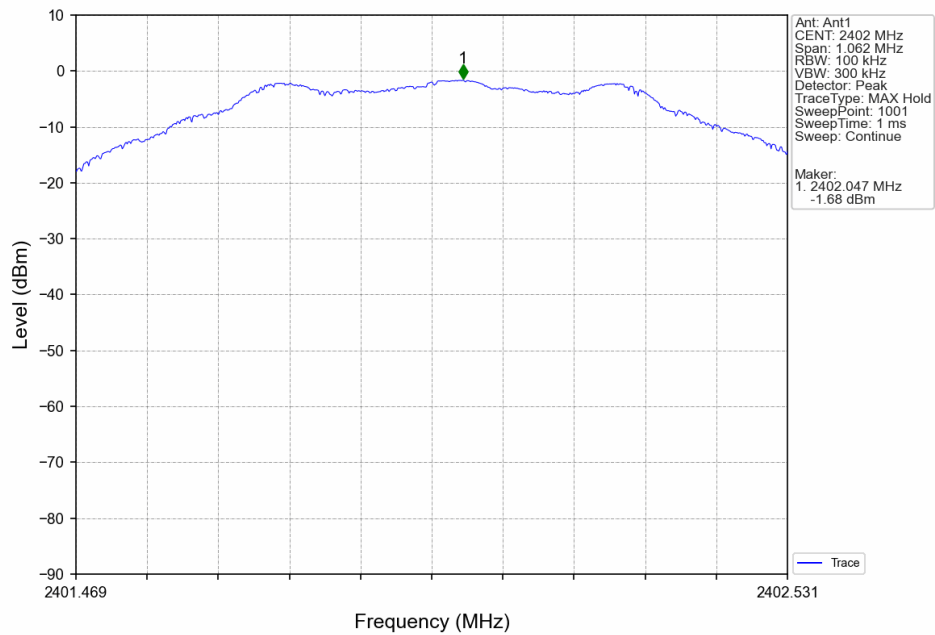
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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV

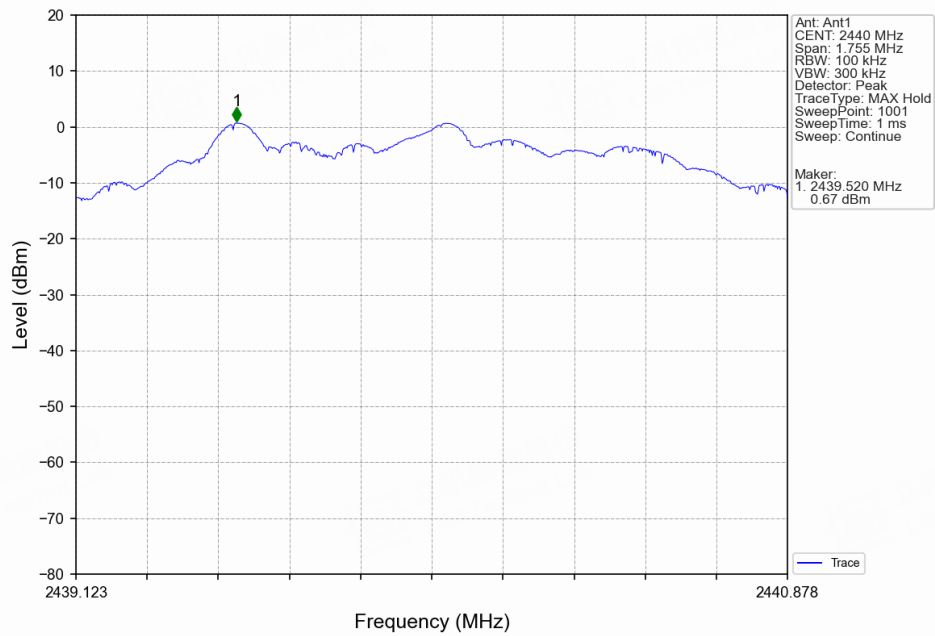


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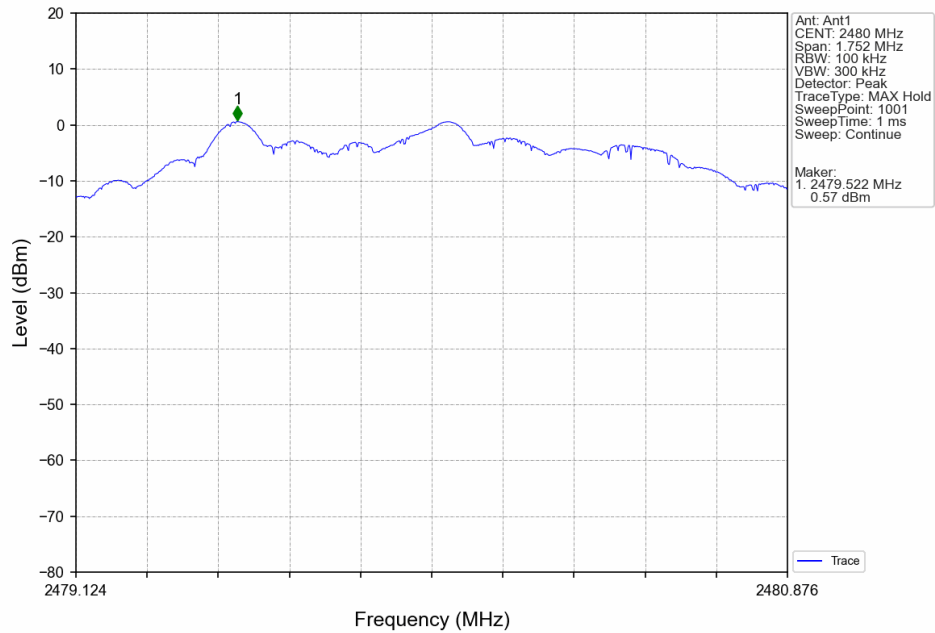
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2M_HCH_2480MHz_Ant1_NTNV



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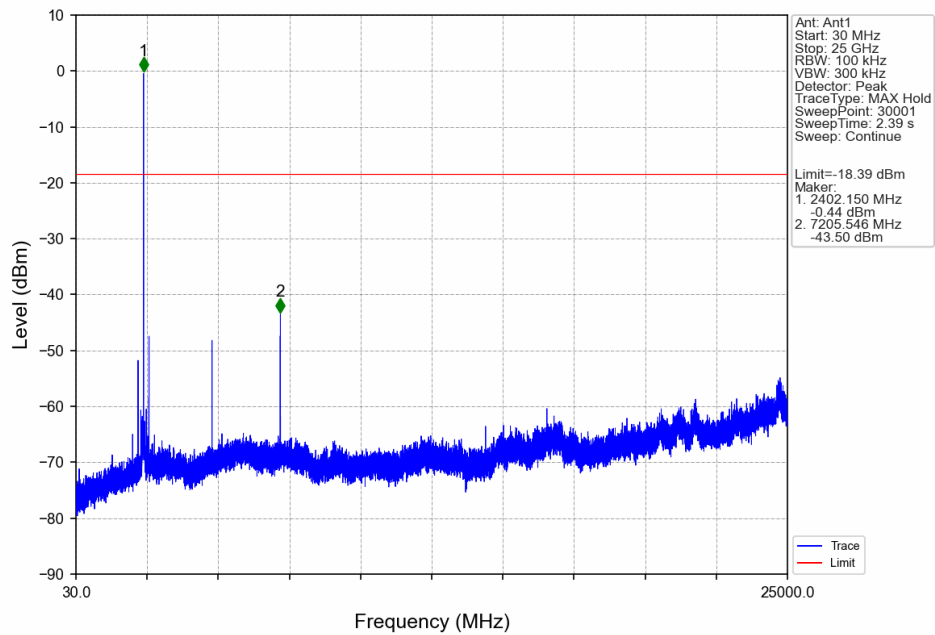
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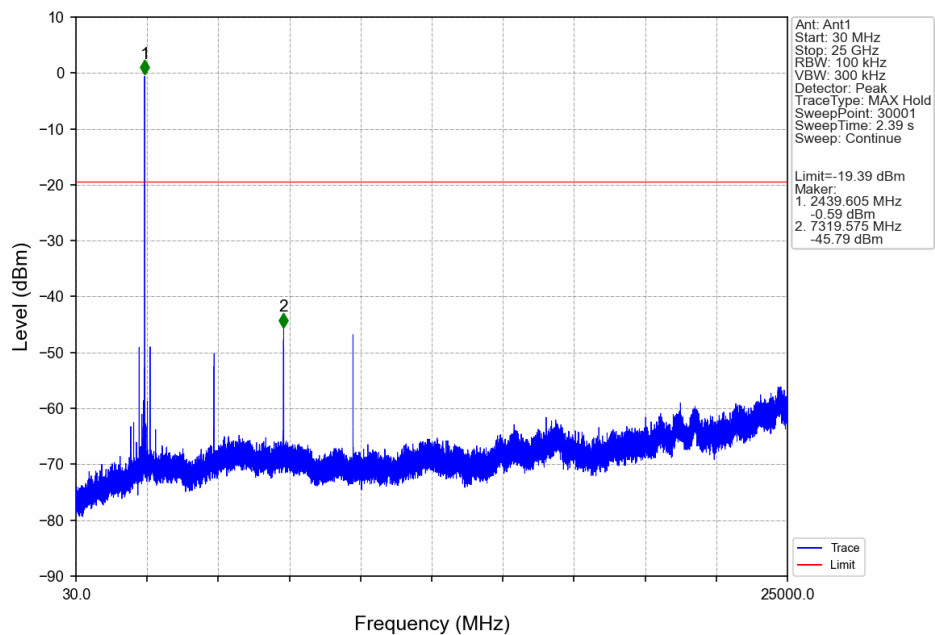
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1M LCH 2402MHz Ant1 NTNV



1M MCH 2440MHz Ant1 NTNV



1M HCH 2480MHz Ant1 NTNV

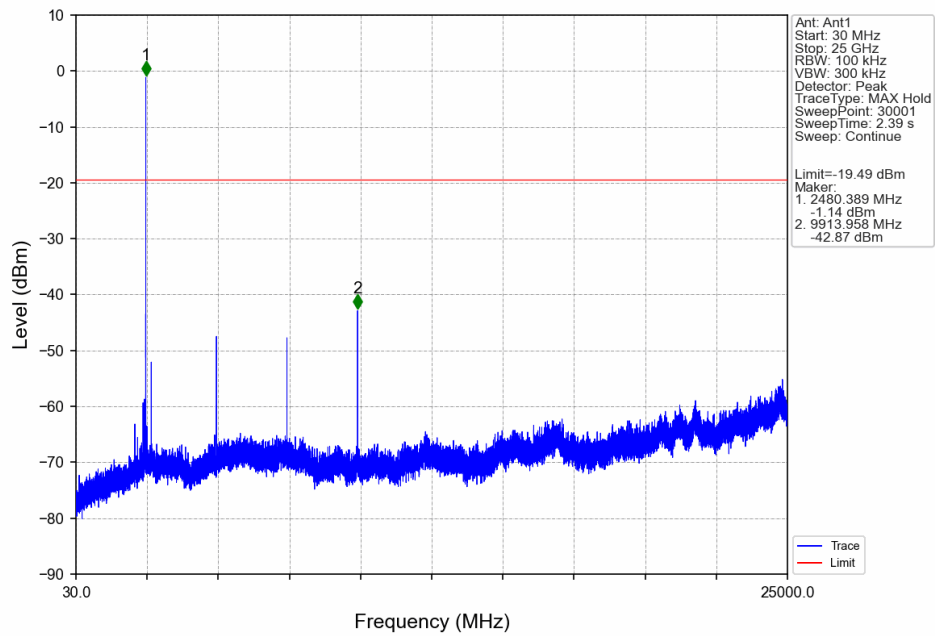


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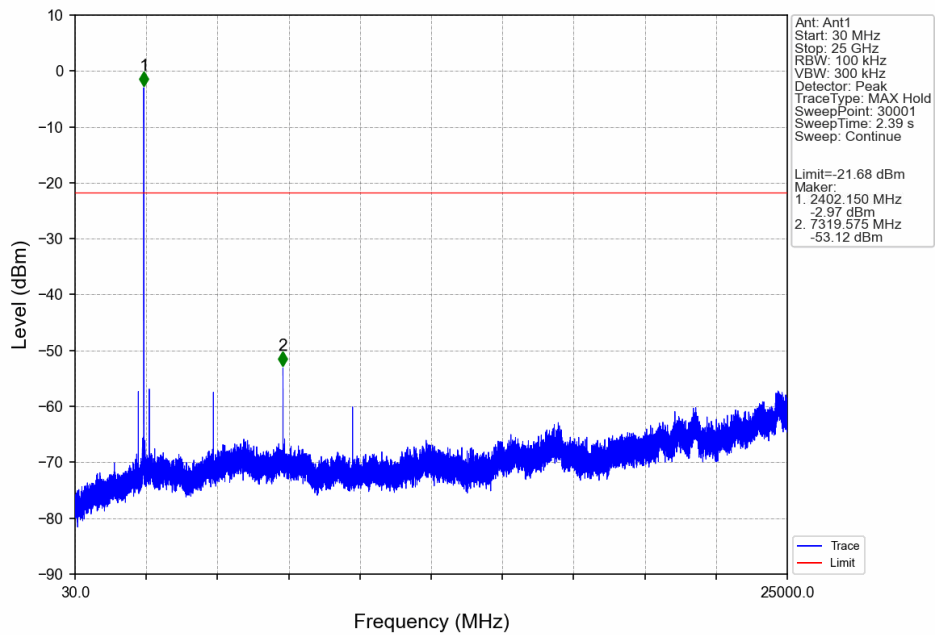
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2M_LCH_2402MHz_Ant1_NTNV



2M_MCH_2440MHz_Ant1_NTNV

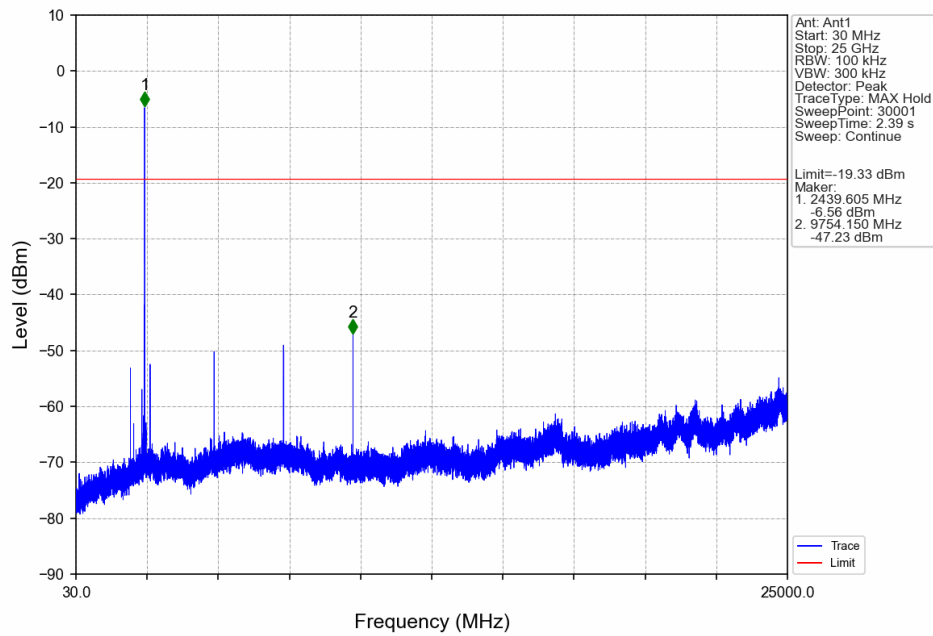


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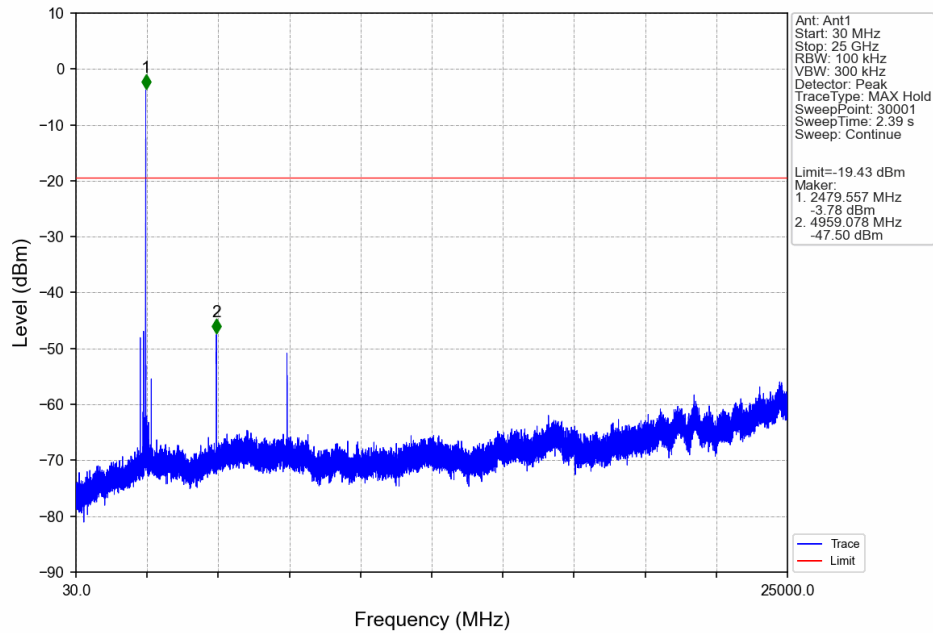
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A.6 Duty Cycle

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1M	SISO	2402	0.559	1.250	44.72	3.49	0.03
		2440	0.558	1.250	44.64	3.50	0.03
		2480	0.559	1.250	44.72	3.49	0.03
2M	SISO	2402	0.306	1.250	24.48	6.11	0.03
		2440	0.307	1.250	24.56	6.10	0.03
		2480	0.307	1.250	24.56	6.10	0.03



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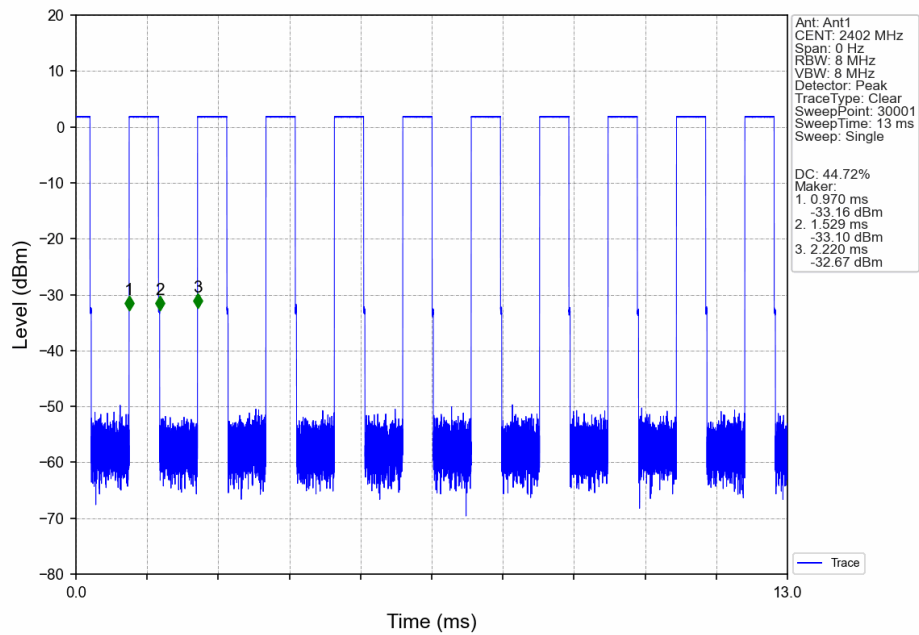
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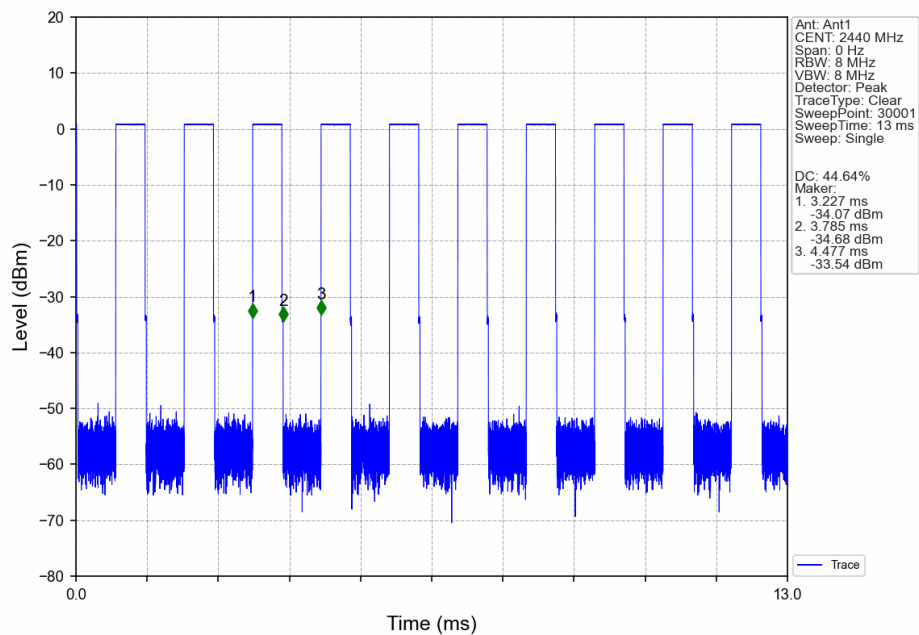
Scan code to check authenticity



1M LCH 2402MHz Ant1 NTNV



1M MCH 2440MHz Ant1 NTNV



Shenzhen LCS Compliance Testing Laboratory Ltd.

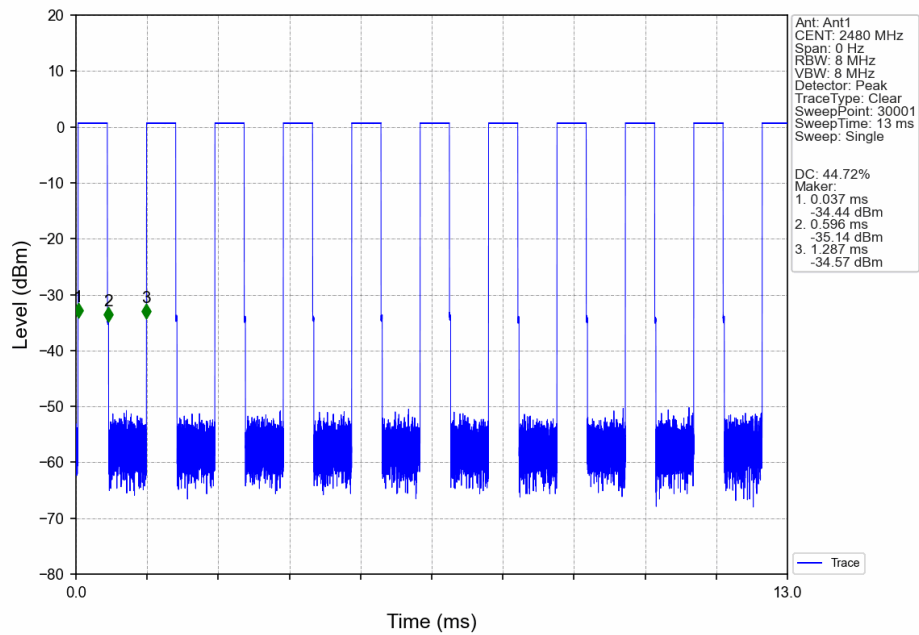
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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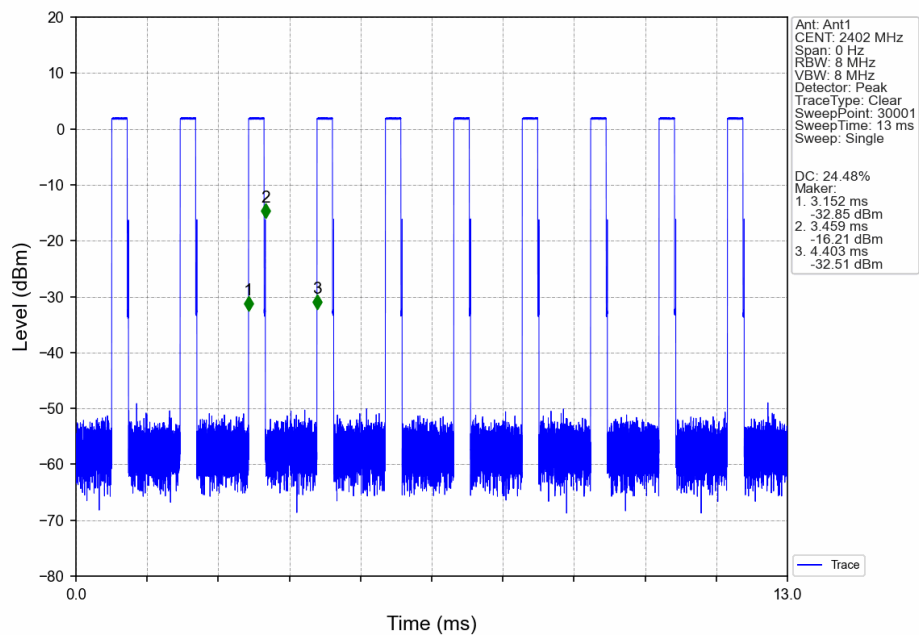
Scan code to check authenticity



1M HCH 2480MHz Ant1 NTV



2M LCH 2402MHz Ant1 NTV



Shenzhen LCS Compliance Testing Laboratory Ltd.

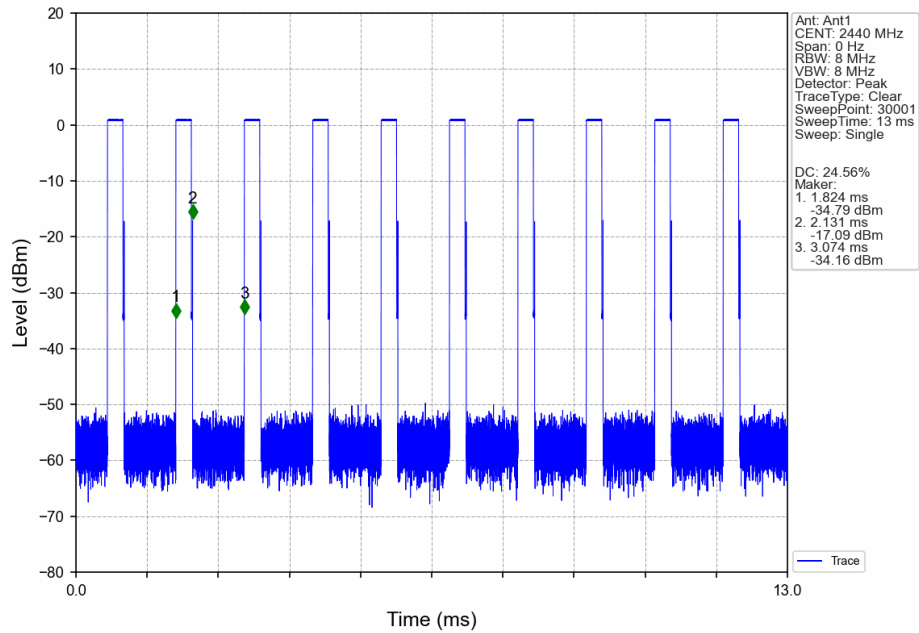
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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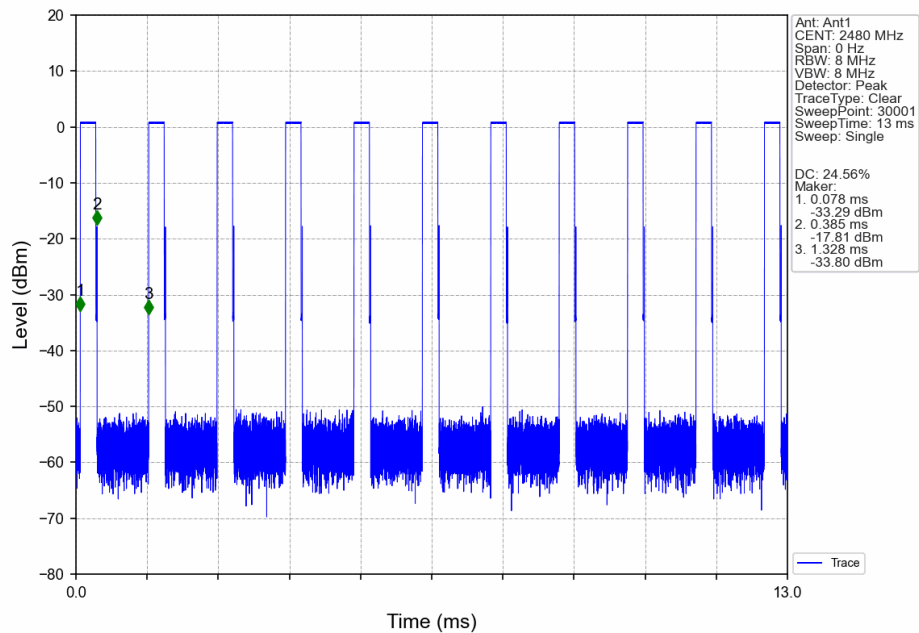
Scan code to check authenticity



2M MCH 2440MHz Ant1 NTN



2M HCH 2480MHz Ant1 NTN



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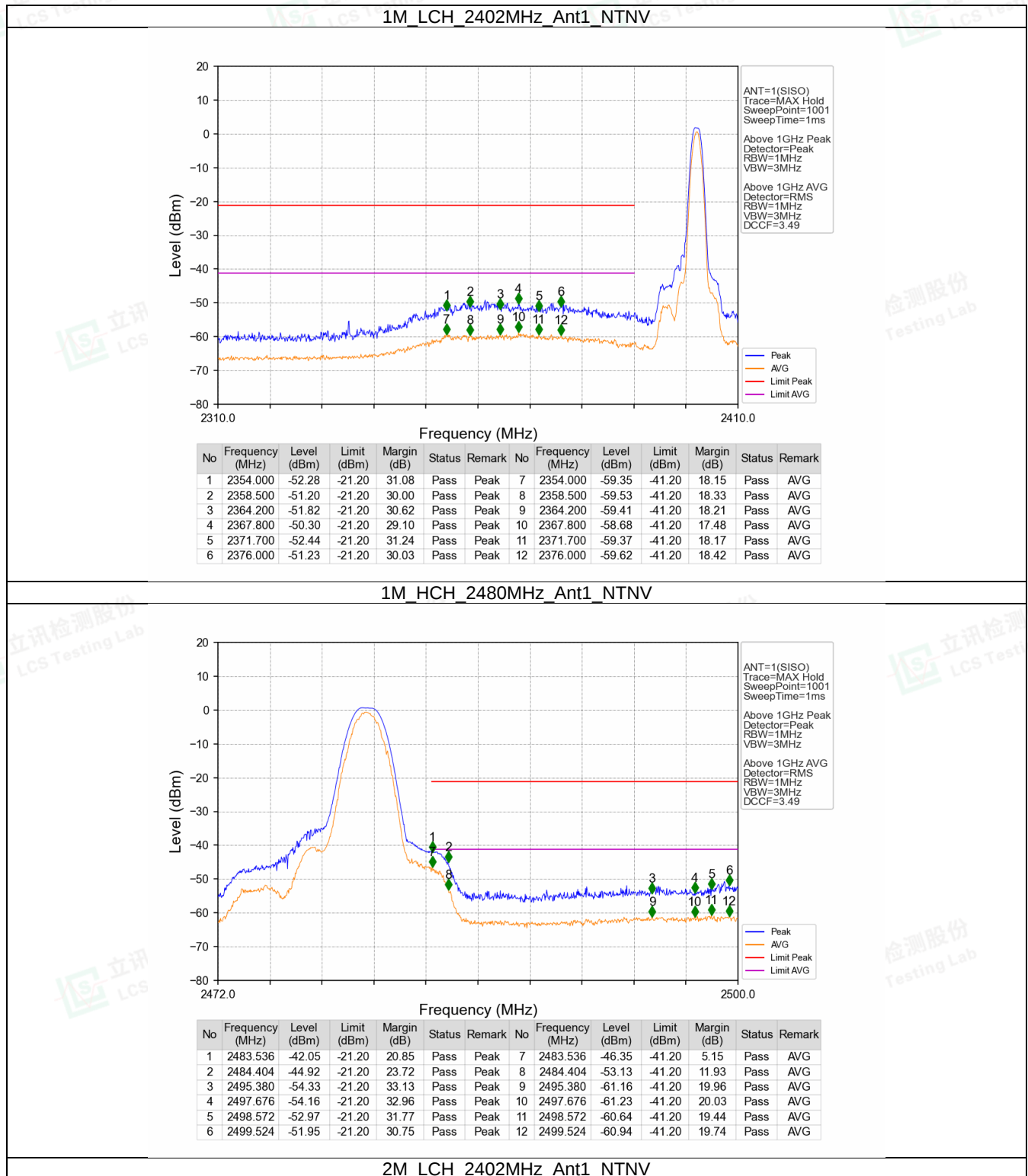
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A.7 Restrict Band

Test Graph

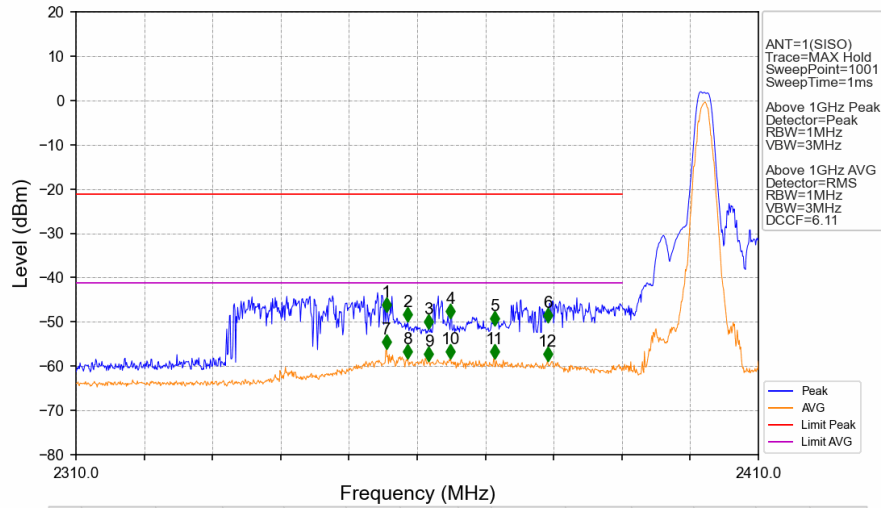


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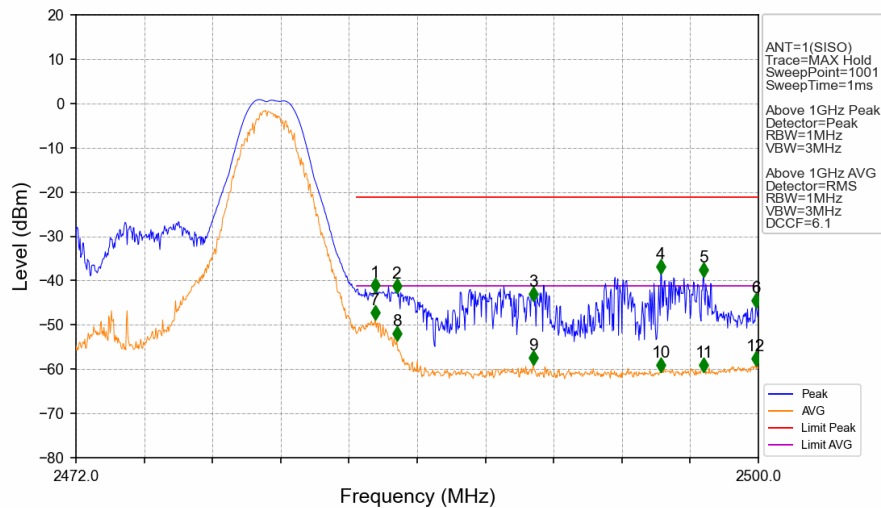
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No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark	No	Frequency (MHz)	Level (dBm)	Limit (dBm)	Margin (dB)	Status	Remark
1	2355.500	-47.77	-21.20	26.57	Pass	Peak	7	2355.500	-56.13	-41.20	14.93	Pass	AVG
2	2358.600	-49.93	-21.20	28.73	Pass	Peak	8	2358.600	-58.18	-41.20	16.98	Pass	AVG
3	2361.700	-51.47	-21.20	30.27	Pass	Peak	9	2361.700	-58.74	-41.20	17.54	Pass	AVG
4	2364.900	-49.22	-21.20	28.02	Pass	Peak	10	2364.900	-58.30	-41.20	17.10	Pass	AVG
5	2371.300	-50.82	-21.20	29.62	Pass	Peak	11	2371.300	-58.30	-41.20	17.10	Pass	AVG
6	2379.100	-50.09	-21.20	28.89	Pass	Peak	12	2379.100	-58.75	-41.20	17.55	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	2484.264	-42.64	-21.20	21.44	Pass	Peak	7	2484.264	-48.78	-41.20	7.58	Pass	AVG
2	2485.160	-42.78	-21.20	21.58	Pass	Peak	8	2485.160	-53.59	-41.20	12.39	Pass	AVG
3	2490.760	-44.56	-21.20	23.36	Pass	Peak	9	2490.760	-59.05	-41.20	17.85	Pass	AVG
4	2495.996	-38.48	-21.20	17.28	Pass	Peak	10	2495.996	-60.69	-41.20	19.49	Pass	AVG
5	2497.760	-39.10	-21.20	17.90	Pass	Peak	11	2497.760	-60.66	-41.20	19.46	Pass	AVG
6	2499.888	-46.14	-21.20	24.94	Pass	Peak	12	2499.888	-59.20	-41.20	18.00	Pass	AVG



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