

Test Result

Ant1:

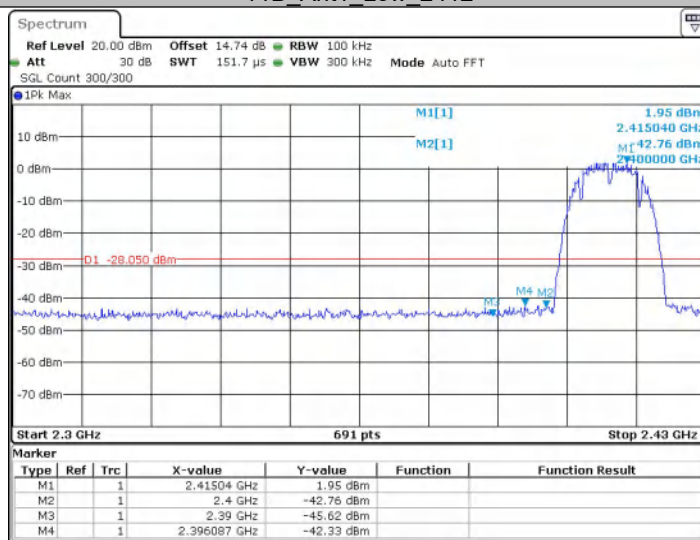
TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	1.95	-42.33	≤ -28.05	PASS
	High	2462	1.17	-41.59	≤ -28.83	PASS
11G	Low	2412	-2.59	-42.49	≤ -32.59	PASS
	High	2462	-3.42	-41.41	≤ -33.42	PASS
11N20SISO	Low	2412	-2.08	-42.59	≤ -32.08	PASS
	High	2462	-2.06	-40.64	≤ -32.06	PASS
11N40SISO	Low	2422	-5.82	-42.3	≤ -35.82	PASS
	High	2452	-6.64	-41.13	≤ -36.64	PASS
11AX20SISO	Low	2412	-0.15	-34.66	≤ -30.15	PASS
	High	2462	-4.00	-34.78	≤ -34	PASS
11AX40SISO	Low	2422	-6.64	-51.67	≤ -36.64	PASS
	High	2452	-4.11	-53.66	≤ -34.11	PASS

Ant2:

TestMode	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Low	2412	0.18	-43.21	≤ -29.82	PASS
	High	2462	1.74	-42.19	≤ -28.26	PASS
11G	Low	2412	0.75	-39.85	≤ -29.25	PASS
	High	2462	2.22	-42.62	≤ -27.78	PASS
11N20SISO	Low	2412	-1.62	-42.99	≤ -31.62	PASS
	High	2462	2.19	-41.92	≤ -27.81	PASS
11N40SISO	Low	2422	-1.45	-43.29	≤ -31.45	PASS
	High	2452	0.59	-42.07	≤ -29.41	PASS
11AX20SISO	Low	2412	-5.26	-55.68	≤ -35.26	PASS
	High	2462	-5.70	-55.86	≤ -35.7	PASS
11AX40SISO	Low	2422	-6.11	-53.17	≤ -36.11	PASS
	High	2452	-4.32	-56.4	≤ -34.32	PASS

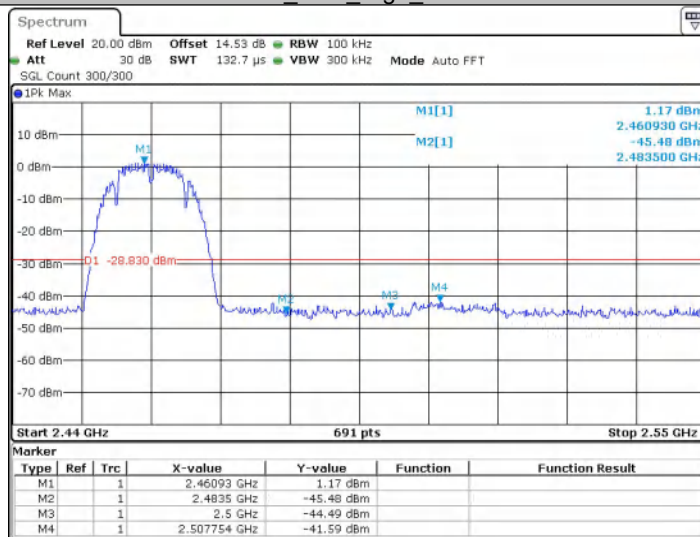
5.7.1 Test Graphs

11B_Ant1_Low_2412



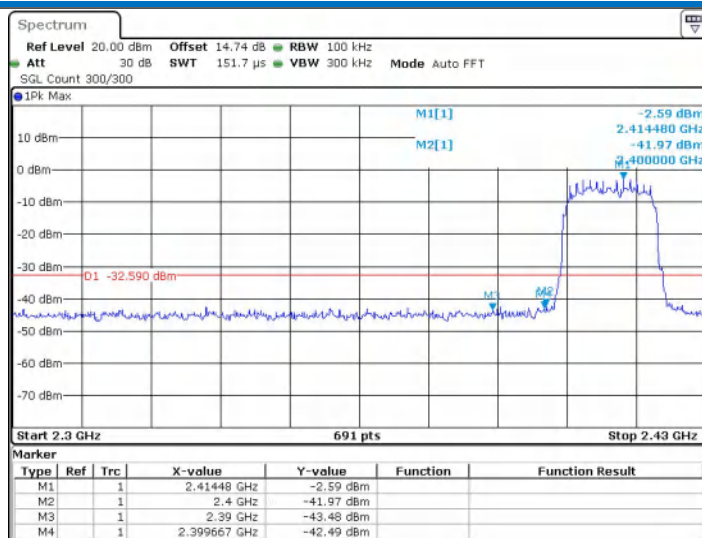
Date: 16 DEC 2025 19:51:01

11B_Ant1_High_2462



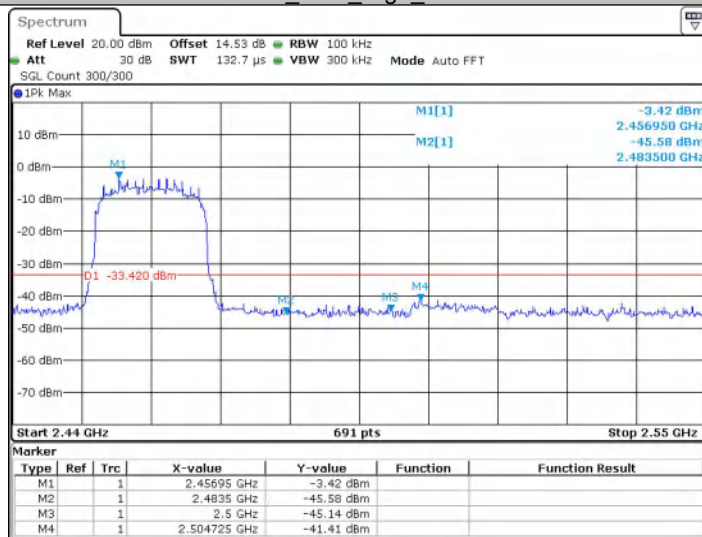
Date: 16 DEC 2025 19:54:05

11G_Ant1_Low_2412



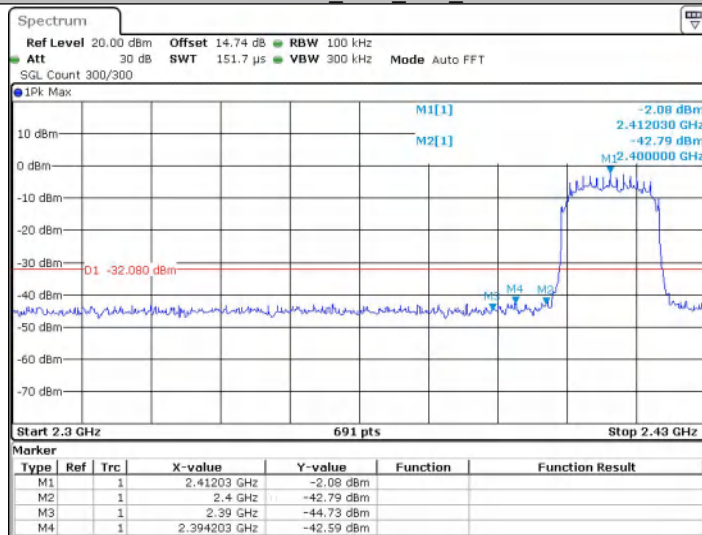
Date: 16 DEC 2025 19:55:46

11G_Ant1_High_2462



Date: 16 DEC 2025 19:59:06

11N20SISO_Ant1_Low_2412



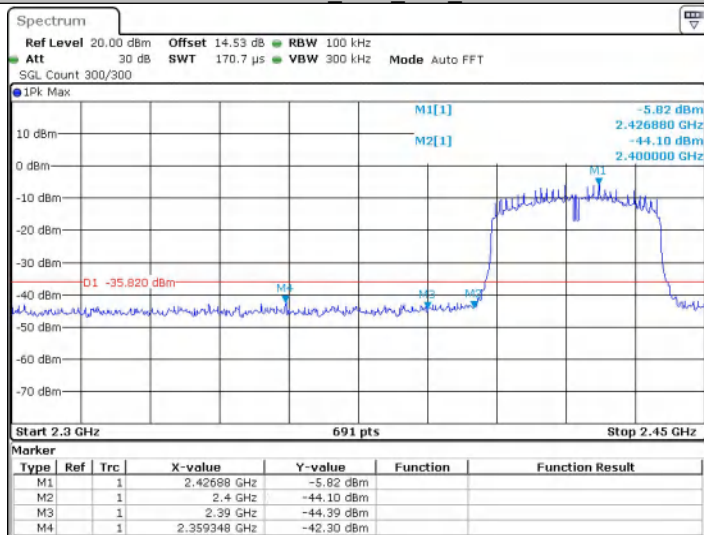
Date: 16 DEC 2025 20:01:07

11N20SISO_Ant1_High_2462



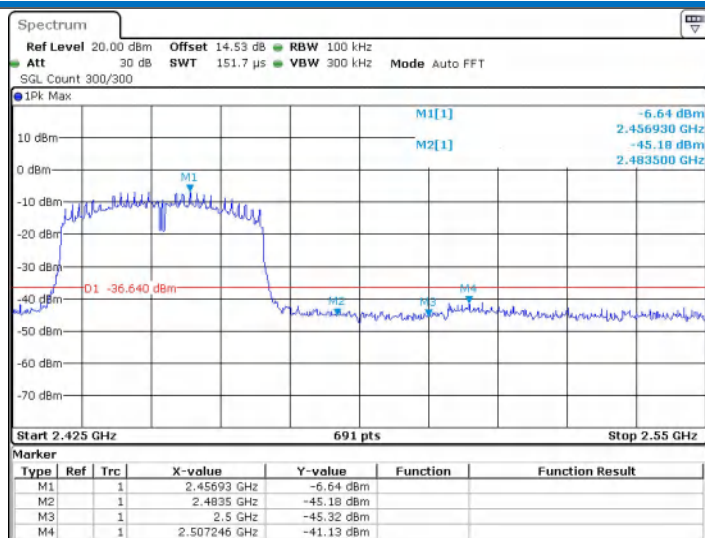
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11N40SISO_Ant1_Low_2422



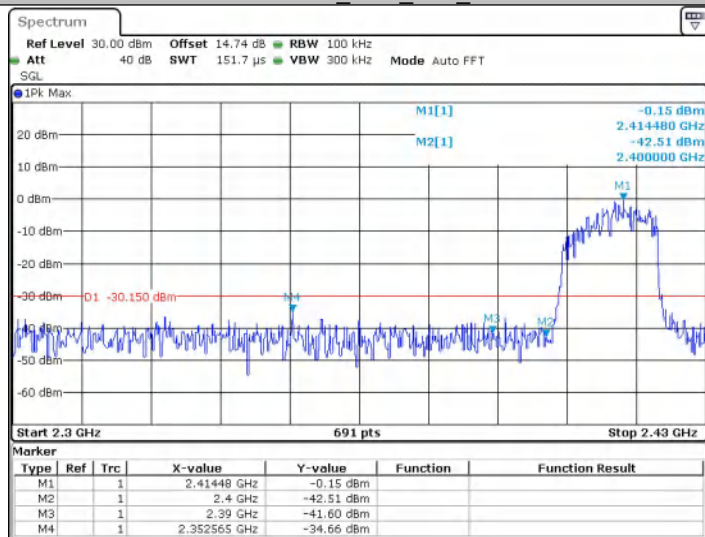
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11N40SISO_Ant1_High_2452



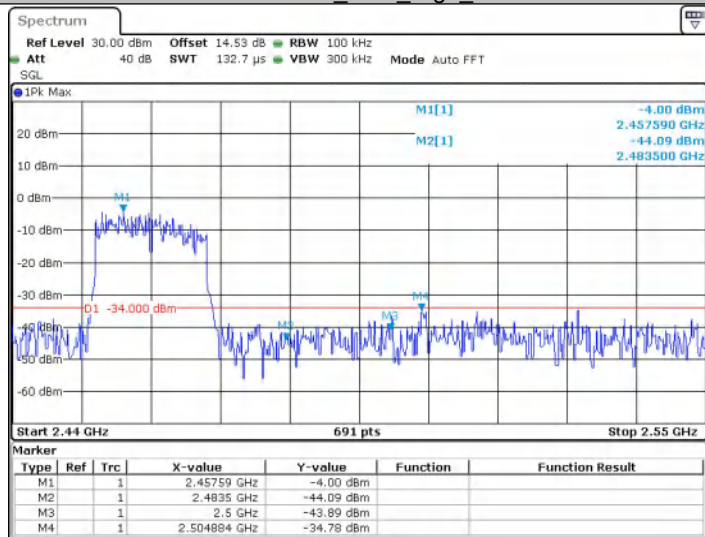
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11AX20SISO_Ant1_Low_2412



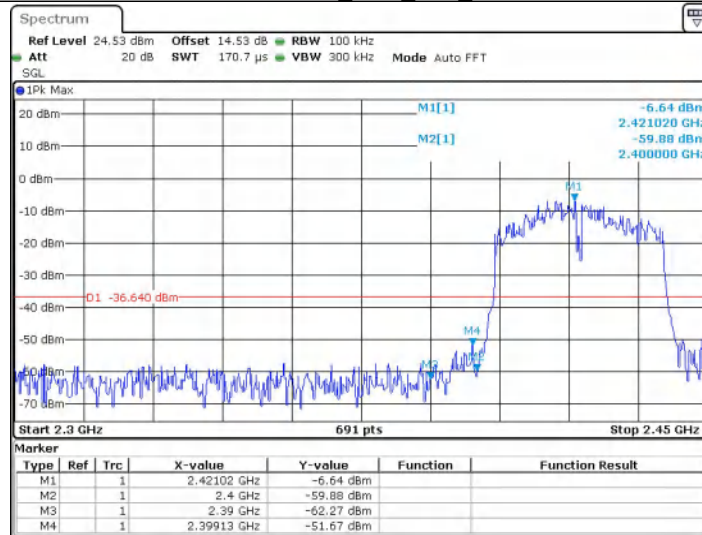
Date: 25 DEC 2025 11:24:23

11AX20SISO_Ant1_High_2462



Date: 24 DEC 2025 16:23:42

11AX40SISO_Ant1_Low_2422



Date: 24 DEC 2025 16:28:28

11AX40SISO_Ant1_High_2452



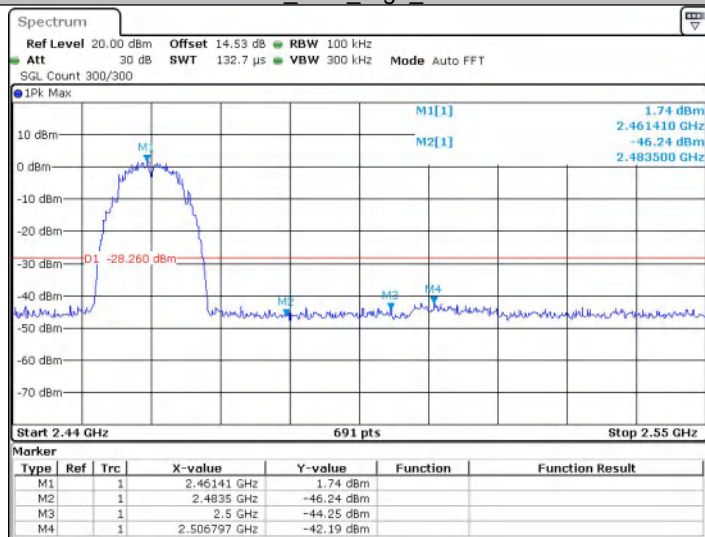
Date: 24 DEC 2025 16:33:37

11B_Ant2_Low_2412



Date: 23 DEC 2025 15:46:12

11B_Ant2_High_2462



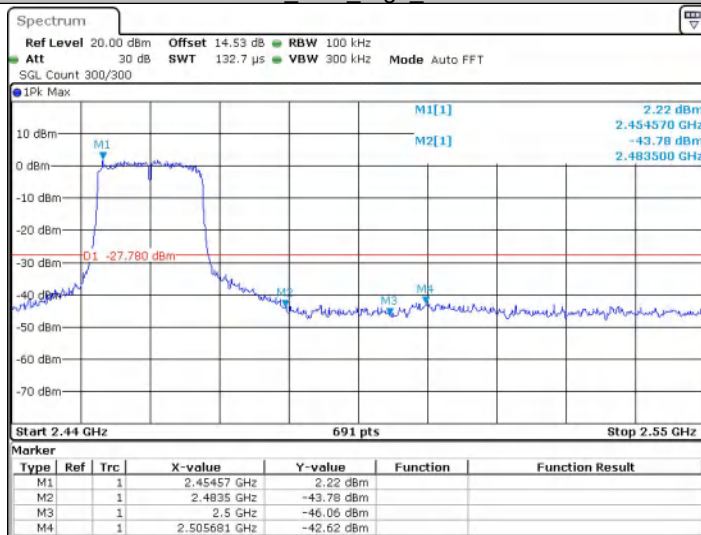
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11G_Ant2_Low_2412



Date: 23 DEC 2025 15:53:20

11G_Ant2_High_2462



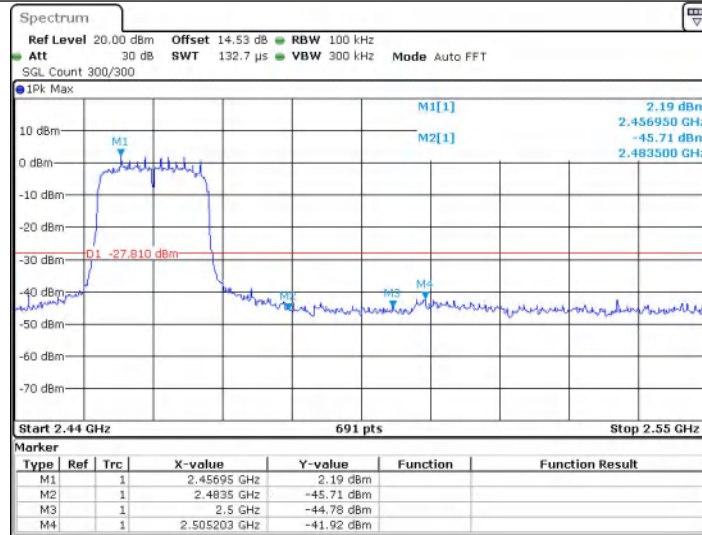
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11N20SISO_Ant2_Low_2412



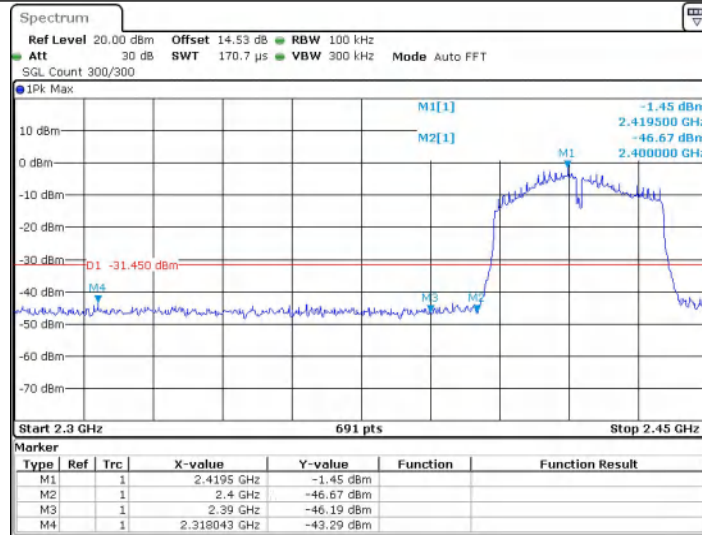
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11N20SISO_Ant2_High_2462



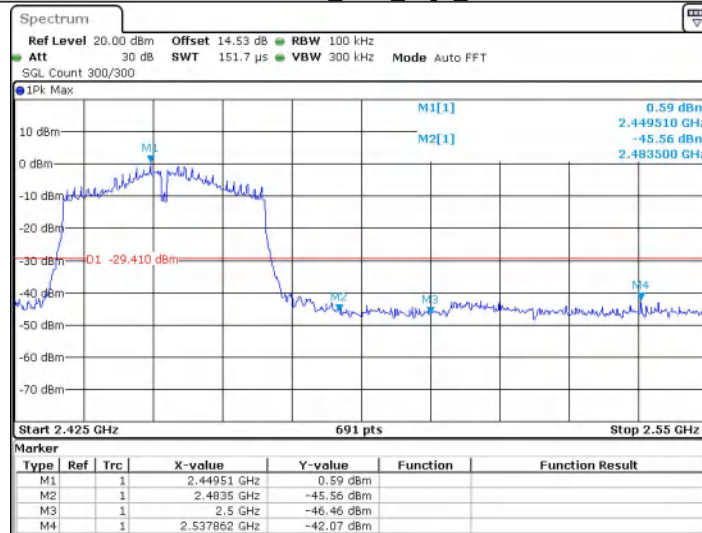
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11N40SISO_Ant2_Low_2422



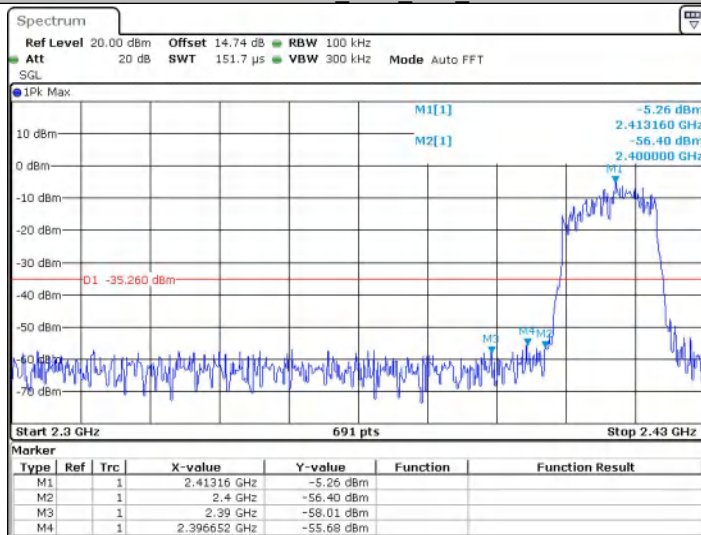
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11N40SISO_Ant2_High_2452



Date: 25 DEC 2025 11:31:33

11AX20SISO_Ant2_Low_2412



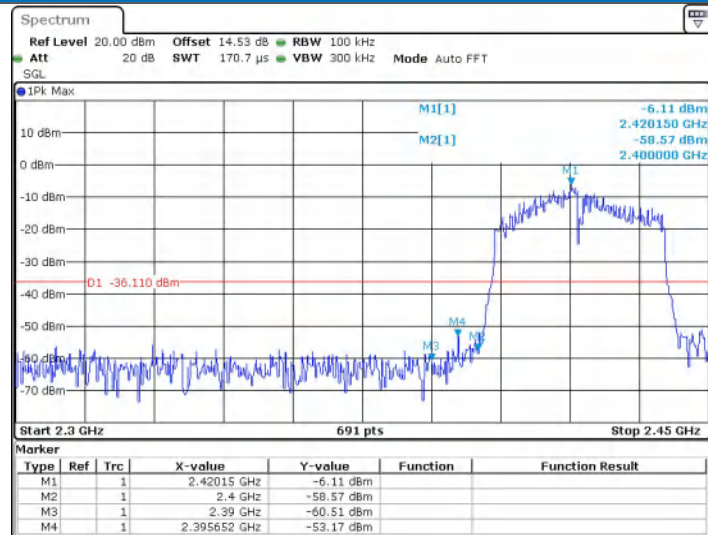
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11AX20SISO_Ant2_High_2462



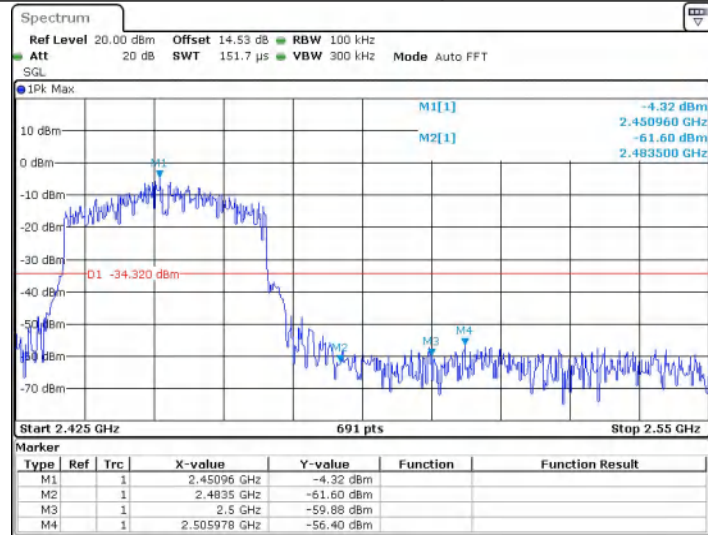
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11AX40SISO_Ant2_Low_2422



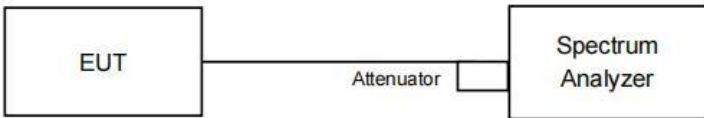
Date: 24 DEC 2025 16:55:40

11AX40SISO_Ant2_High_2452



Date: 24 DEC 2025 17:02:30

5.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2020
Test Setup:	 Offset=cable loss+ attenuation factor
Exploratory Test Mode:	Transmitting in full-bandwidth single-user mode (Full RU) with all kinds of modulations, and at the lowest, middle, and highest data rates across the channel.
Final Test Mode:	Only the worst case is recorded in the report.
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test Results:	Pass

Test Result

Ant1:

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	1.74	1.74	---	PASS
		30~1000	1.74	-50.32	≤-28.26	PASS
		1000~26500	1.74	-44.01	≤-28.26	PASS
	2437	Reference	1.39	1.39	---	PASS
		30~1000	1.39	-51.25	≤-28.61	PASS
		1000~26500	1.39	-43.33	≤-28.61	PASS
	2462	Reference	1.42	1.42	---	PASS
		30~1000	1.42	-50.01	≤-28.58	PASS
		1000~26500	1.42	-44.18	≤-28.58	PASS
11G	2412	Reference	-5.86	-5.86	---	PASS
		30~1000	-5.86	-50.19	≤-35.86	PASS
		1000~26500	-5.86	-44.65	≤-35.86	PASS
	2437	Reference	-5.76	-5.76	---	PASS
		30~1000	-5.76	-48.26	≤-35.76	PASS
		1000~26500	-5.76	-46.18	≤-35.76	PASS
	2462	Reference	-6.65	-6.65	---	PASS
		30~1000	-6.65	-50.17	≤-36.65	PASS
		1000~26500	-6.65	-45.44	≤-36.65	PASS
11N20SISO	2412	Reference	-6.68	-6.68	---	PASS
		30~1000	-6.68	-50.09	≤-36.68	PASS
		1000~26500	-6.68	-45.18	≤-36.68	PASS
	2437	Reference	-3.72	-3.72	---	PASS
		30~1000	-3.72	-50.81	≤-33.72	PASS
		1000~26500	-3.72	-45.36	≤-33.72	PASS
	2462	Reference	-6.31	-6.31	---	PASS
		30~1000	-6.31	-50.2	≤-36.31	PASS
		1000~26500	-6.31	-44.21	≤-36.31	PASS
11N40SISO	2422	Reference	-9.08	-9.08	---	PASS
		30~1000	-9.08	-49.53	≤-39.08	PASS
		1000~26500	-9.08	-47.09	≤-39.08	PASS
	2437	Reference	-7.75	-7.75	---	PASS
		30~1000	-7.75	-49.1	≤-37.75	PASS
		1000~26500	-7.75	-47.2	≤-37.75	PASS

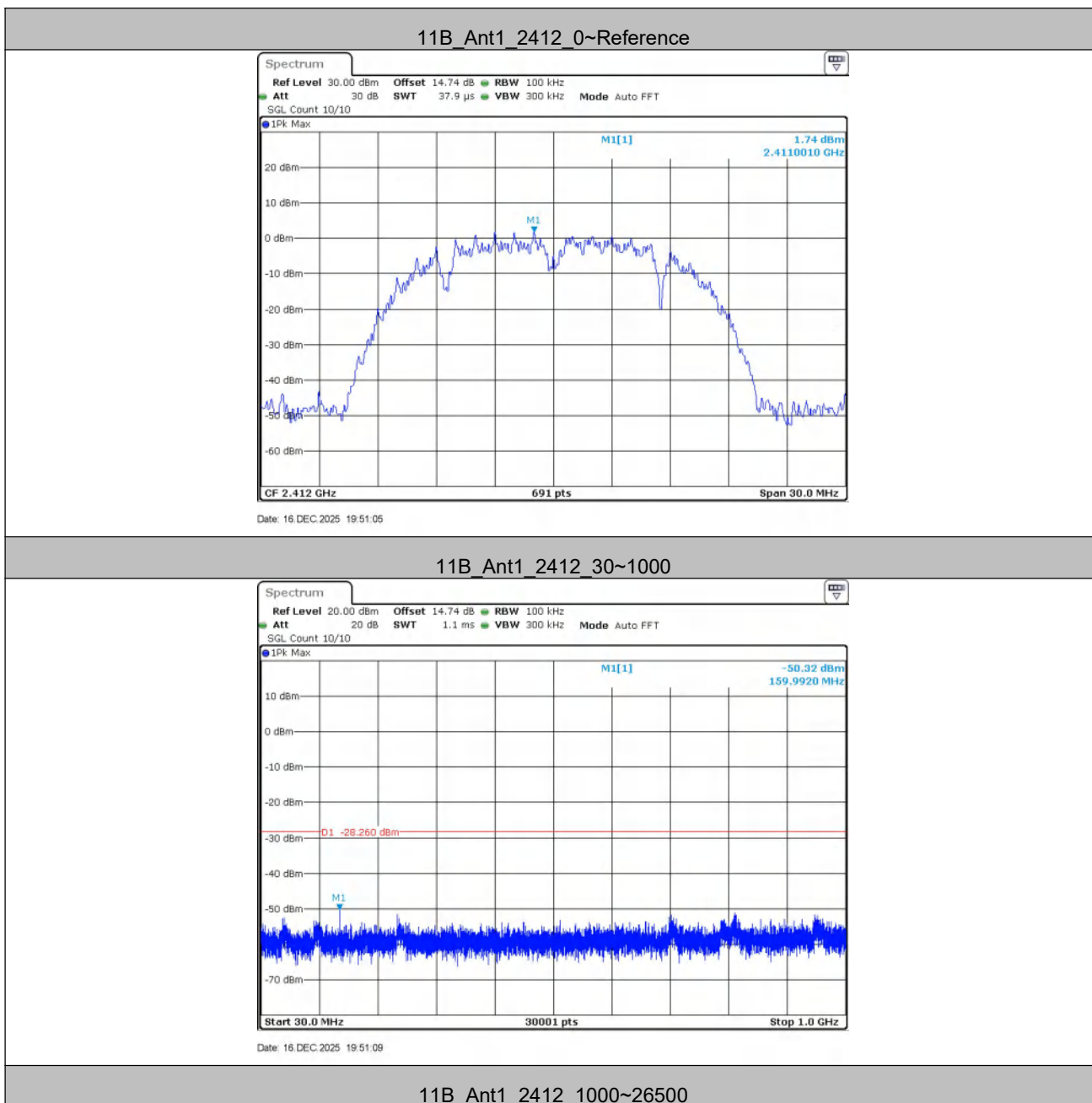
	2452	Reference	-10.08	-10.08	---	PASS
		30~1000	-10.08	-49.64	≤ -40.08	PASS
		1000~26500	-10.08	-47	≤ -40.08	PASS
11AX20SISO	2412	Reference	-2.24	-2.24	---	PASS
		30~1000	-2.24	-51.62	≤ -32.24	PASS
		1000~26500	-2.24	-48.06	≤ -32.24	PASS
	2437	Reference	-1.41	-1.41	---	PASS
		30~1000	-1.41	-51.7	≤ -31.41	PASS
		1000~26500	-1.41	-48.41	≤ -31.41	PASS
	2462	Reference	-0.17	-0.17	---	PASS
		30~1000	-0.17	-52.24	≤ -30.17	PASS
		1000~26500	-0.17	-48.39	≤ -30.17	PASS
11AX40SISO	2422	Reference	-1.71	-1.71	---	PASS
		30~1000	-1.71	-51.64	≤ -31.71	PASS
		1000~26500	-1.71	-48.76	≤ -31.71	PASS
	2437	Reference	-3.57	-3.57	---	PASS
		30~1000	-3.57	-51.55	≤ -33.57	PASS
		1000~26500	-3.57	-48.24	≤ -33.57	PASS
	2452	Reference	-1.01	-1.01	---	PASS
		30~1000	-1.01	-51.59	≤ -31.01	PASS
		1000~26500	-1.01	-48.67	≤ -31.01	PASS

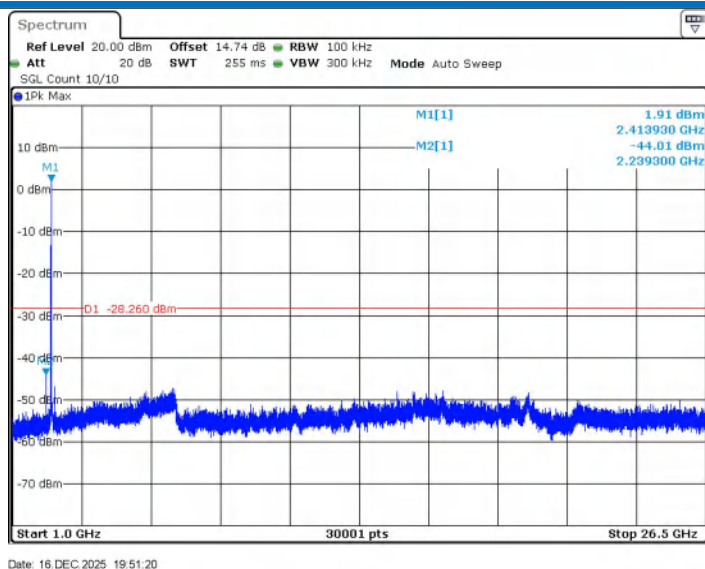
Ant2:

TestMode	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	2412	Reference	0.19	0.19	---	PASS
		30~1000	0.19	-51.62	≤-29.81	PASS
		1000~26500	0.19	-48.27	≤-29.81	PASS
	2437	Reference	-0.35	-0.35	---	PASS
		30~1000	-0.35	-51.78	≤-30.35	PASS
		1000~26500	-0.35	-47.85	≤-30.35	PASS
	2462	Reference	0.71	0.71	---	PASS
		30~1000	0.71	-51.3	≤-29.29	PASS
		1000~26500	0.71	-48.18	≤-29.29	PASS
11G	2412	Reference	-0.32	-0.32	---	PASS
		30~1000	-0.32	-50.79	≤-30.32	PASS
		1000~26500	-0.32	-47.77	≤-30.32	PASS
	2437	Reference	-0.43	-0.43	---	PASS
		30~1000	-0.43	-52.18	≤-30.43	PASS
		1000~26500	-0.43	-48.48	≤-30.43	PASS
	2462	Reference	1.48	1.48	---	PASS
		30~1000	1.48	-52.4	≤-28.52	PASS
		1000~26500	1.48	-48.08	≤-28.52	PASS
11N20SISO	2412	Reference	-3.26	-3.26	---	PASS
		30~1000	-3.26	-51.38	≤-33.26	PASS
		1000~26500	-3.26	-47.72	≤-33.26	PASS
	2437	Reference	-2.14	-2.14	---	PASS
		30~1000	-2.14	-51.91	≤-32.14	PASS
		1000~26500	-2.14	-48.16	≤-32.14	PASS
	2462	Reference	-1.01	-1.01	---	PASS
		30~1000	-1.01	-52.01	≤-31.01	PASS
		1000~26500	-1.01	-48.3	≤-31.01	PASS
11N40SISO	2422	Reference	-4.61	-4.61	---	PASS
		30~1000	-4.61	-52.35	≤-34.61	PASS
		1000~26500	-4.61	-47.85	≤-34.61	PASS
	2437	Reference	-4.30	-4.30	---	PASS
		30~1000	-4.30	-50.9	≤-34.3	PASS
		1000~26500	-4.30	-48.76	≤-34.3	PASS
	2452	Reference	-2.64	-2.64	---	PASS

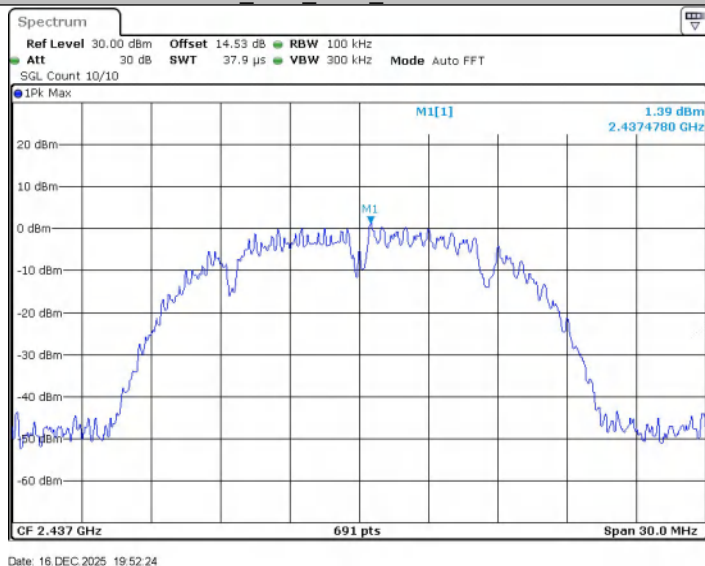
		30~1000	-2.64	-52.3	≤ -32.64	PASS
		1000~26500	-2.64	-48.31	≤ -32.64	PASS
11AX20SISO	2412	Reference	-1.07	-1.07	---	PASS
		30~1000	-1.07	-50.27	≤ -31.07	PASS
		1000~26500	-1.07	-46.92	≤ -31.07	PASS
	2437	Reference	-1.46	-1.46	---	PASS
		30~1000	-1.46	-51.73	≤ -31.46	PASS
		1000~26500	-1.46	-47.76	≤ -31.46	PASS
	2462	Reference	0.25	0.25	---	PASS
		30~1000	0.25	-51.6	≤ -29.75	PASS
		1000~26500	0.25	-48.54	≤ -29.75	PASS
11AX40SISO	2422	Reference	-2.46	-2.46	---	PASS
		30~1000	-2.46	-52.29	≤ -32.46	PASS
		1000~26500	-2.46	-48.42	≤ -32.46	PASS
	2437	Reference	-3.73	-3.73	---	PASS
		30~1000	-3.73	-52.27	≤ -33.73	PASS
		1000~26500	-3.73	-48.47	≤ -33.73	PASS
	2452	Reference	-0.15	-0.15	---	PASS
		30~1000	-0.15	-52.11	≤ -30.15	PASS
		1000~26500	-0.15	-48.68	≤ -30.15	PASS

Test Graphs

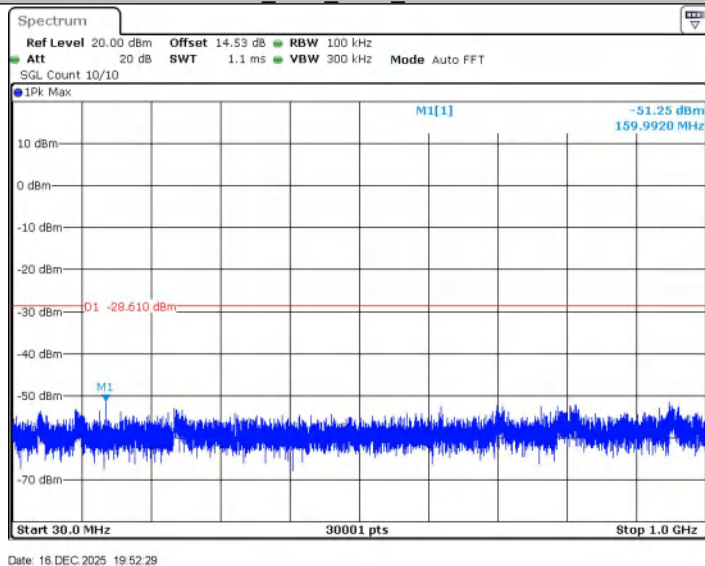




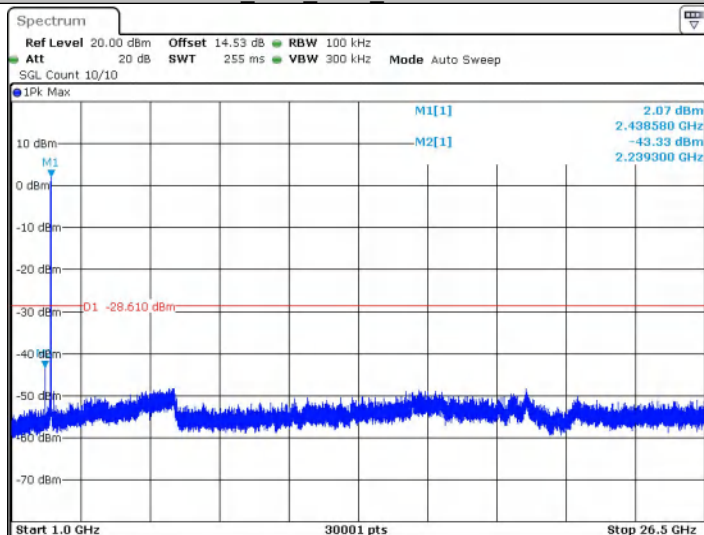
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000

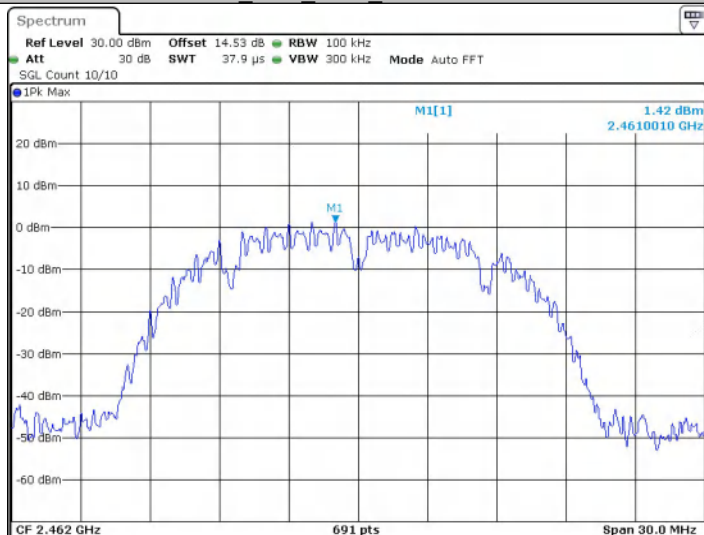


11B_Ant1_2437_1000~26500



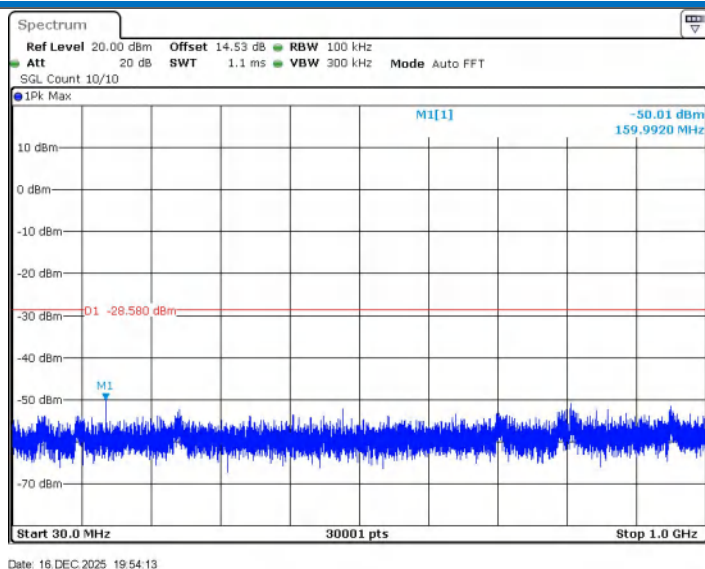
Date: 16 DEC 2025 19:52:39

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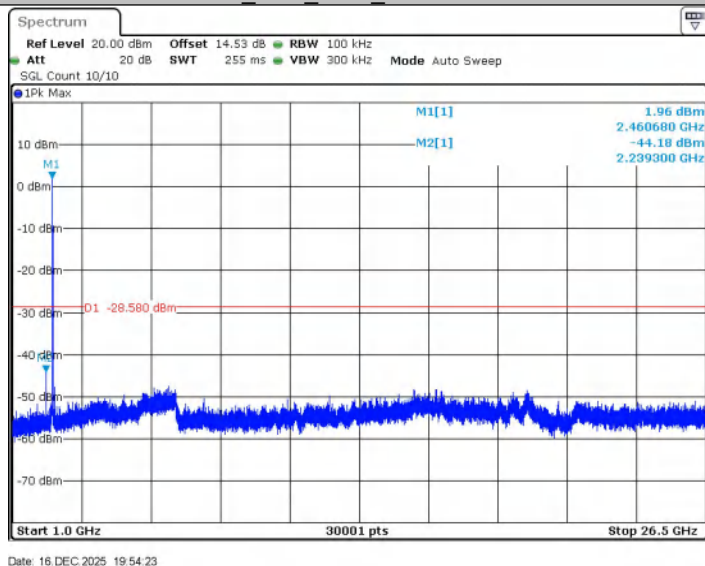


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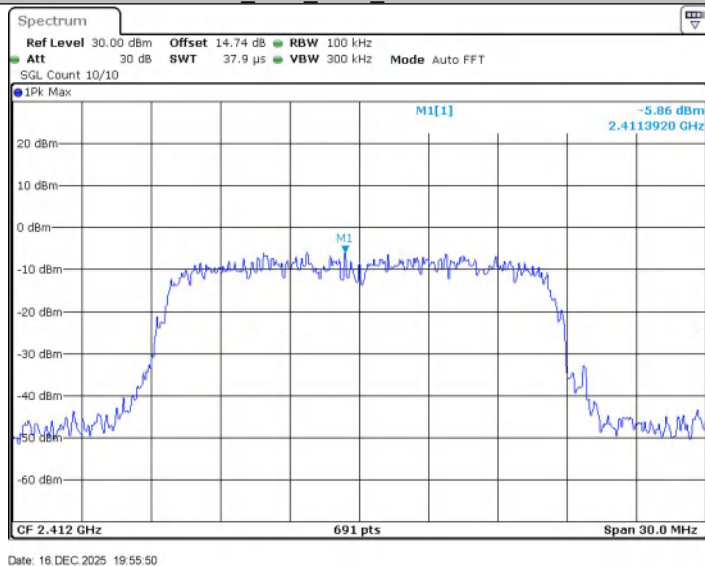
11B_Ant1_2462_30~1000



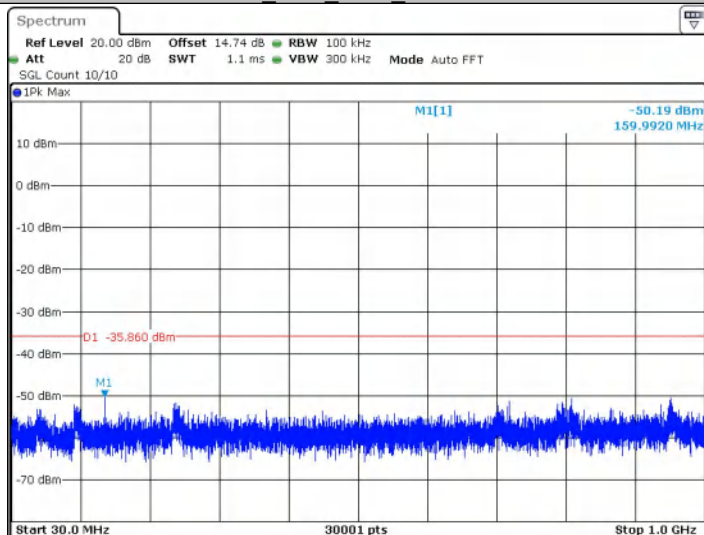
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference

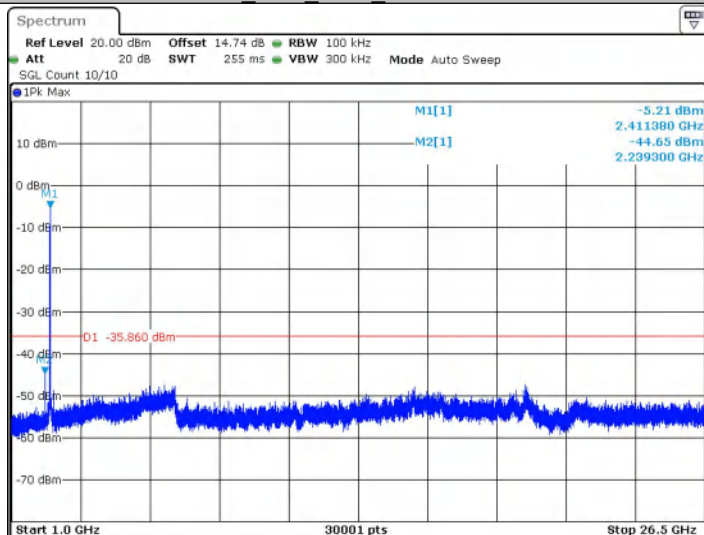


11G_Ant1_2412_30~1000



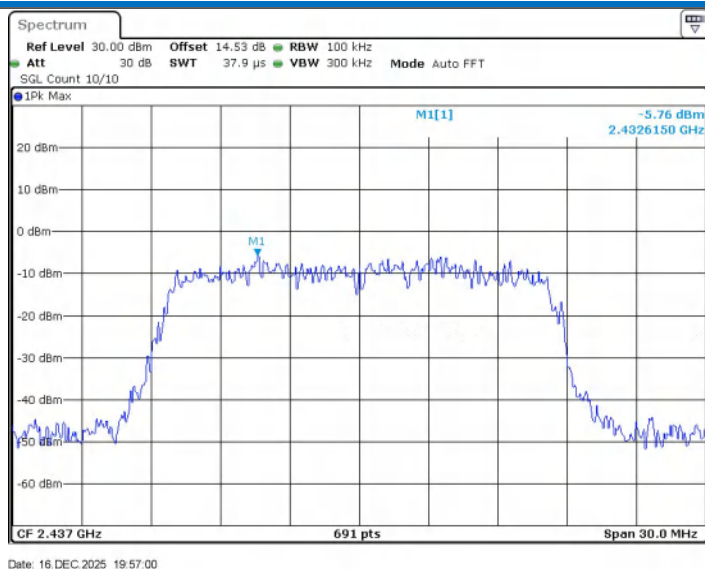
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11G_Ant1_2412_1000~26500

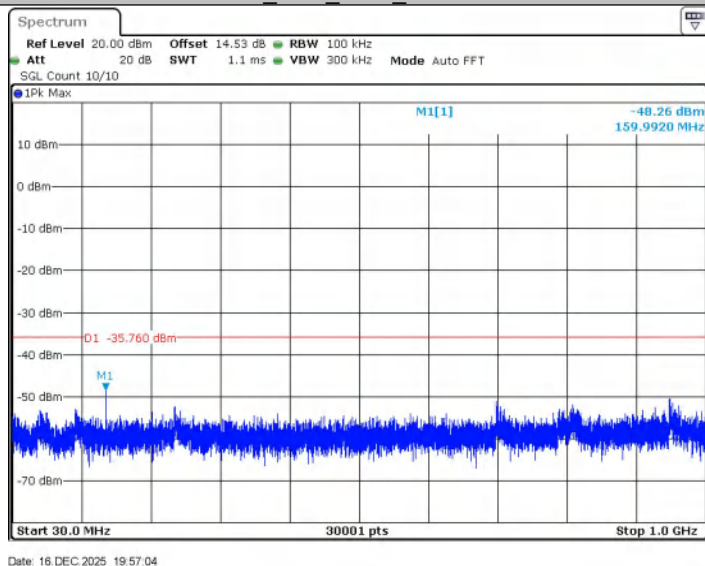


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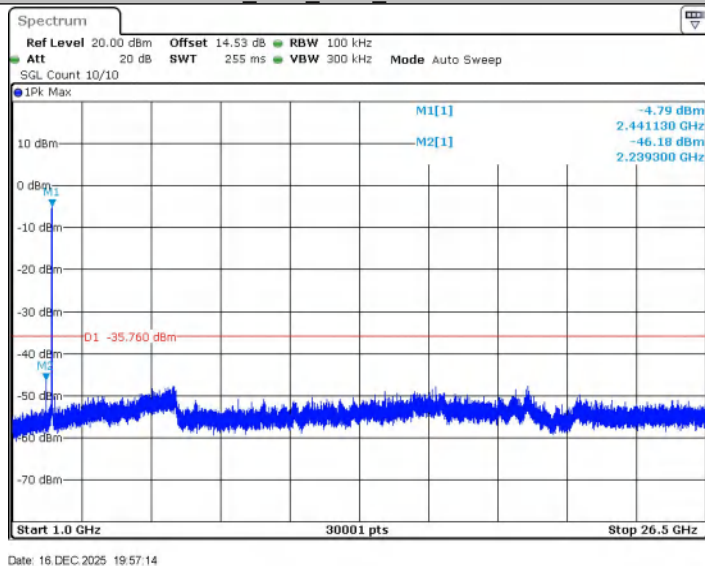
11G_Ant1_2437_0~Reference



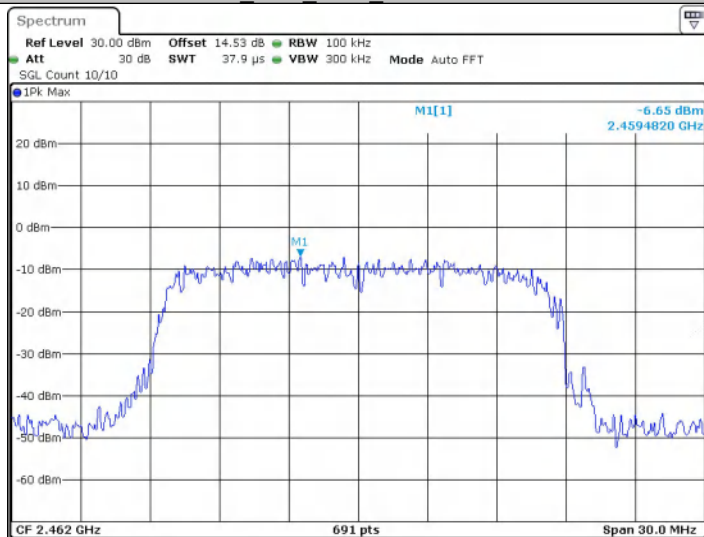
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500

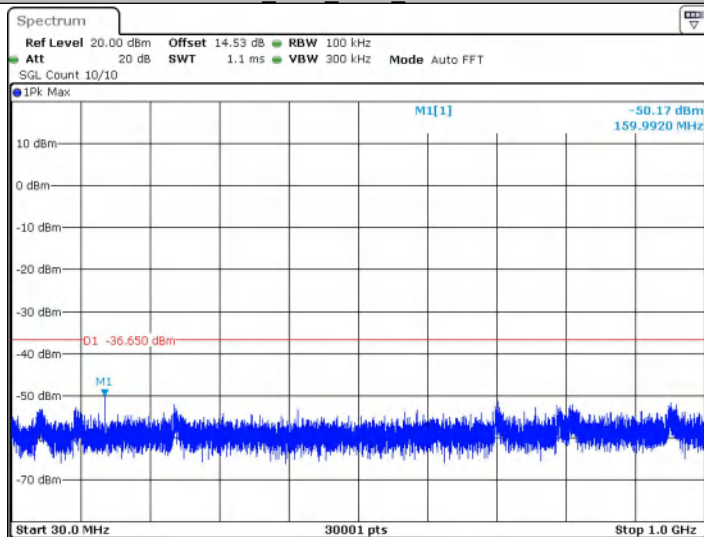


11G_Ant1_2462_0~Reference



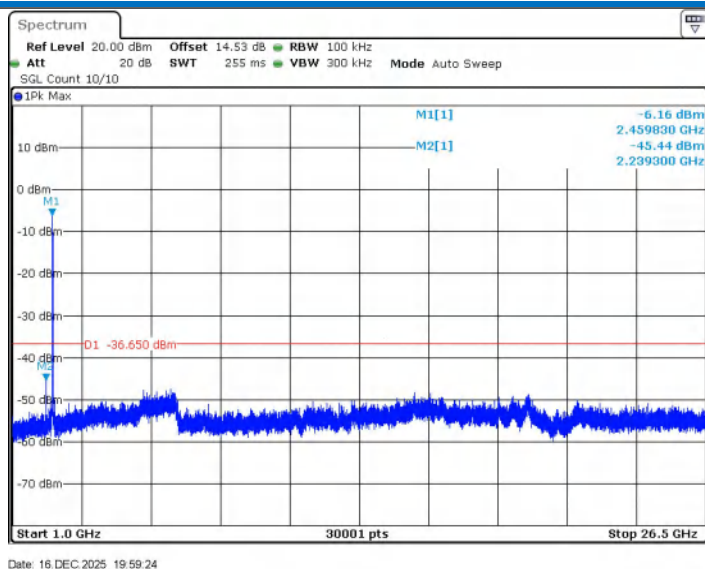
Date: 16 DEC 2025 19:59:09

11G_Ant1_2462_30~1000

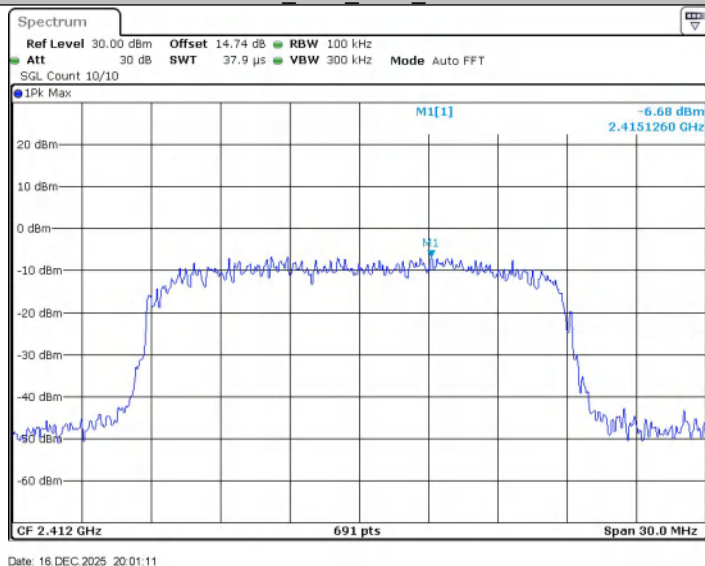


Date: 16 DEC 2025 19:59:14

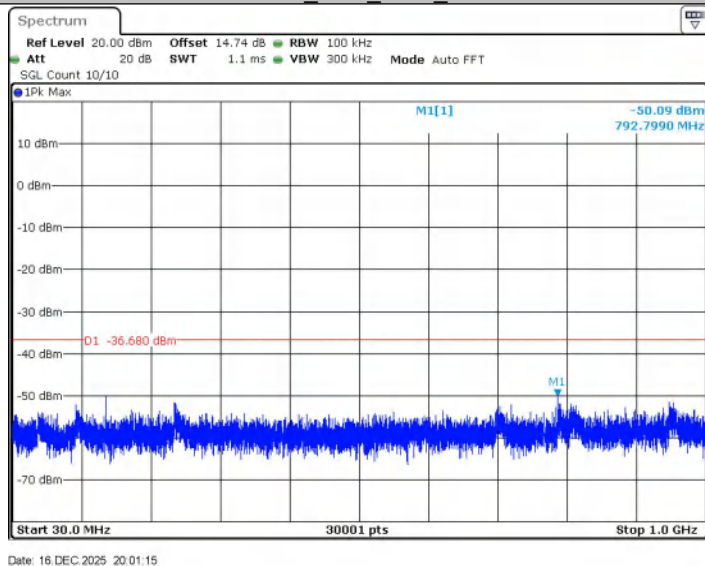
11G_Ant1_2462_1000~26500



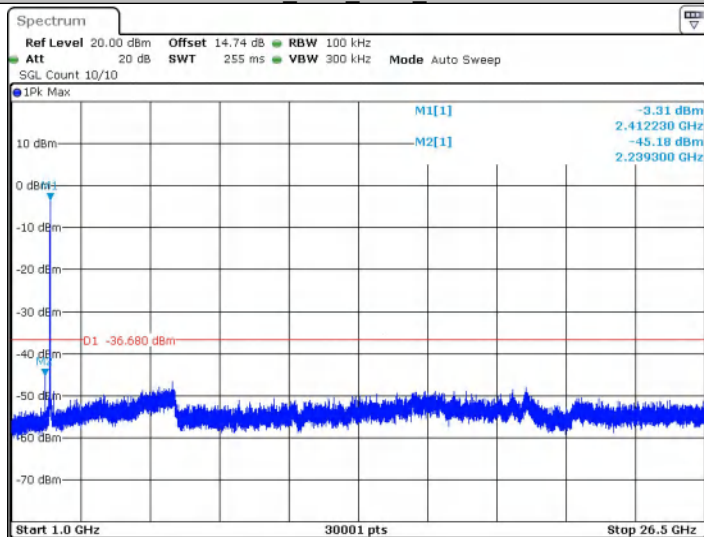
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

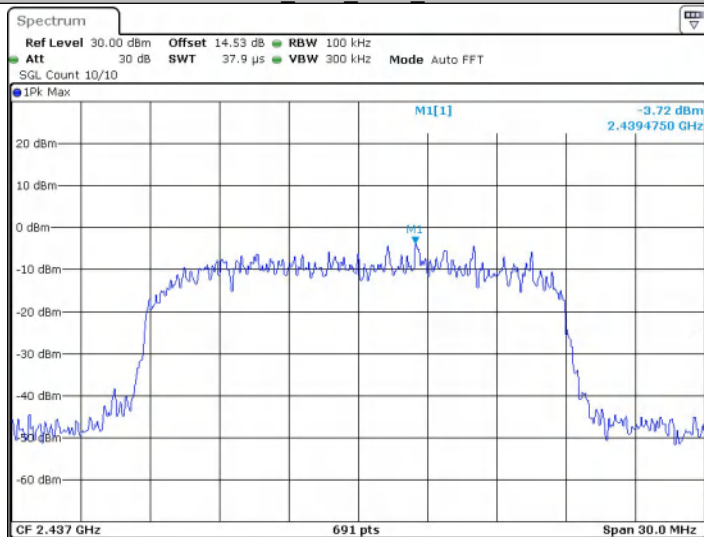


11N20SISO_Ant1_2412_1000~26500



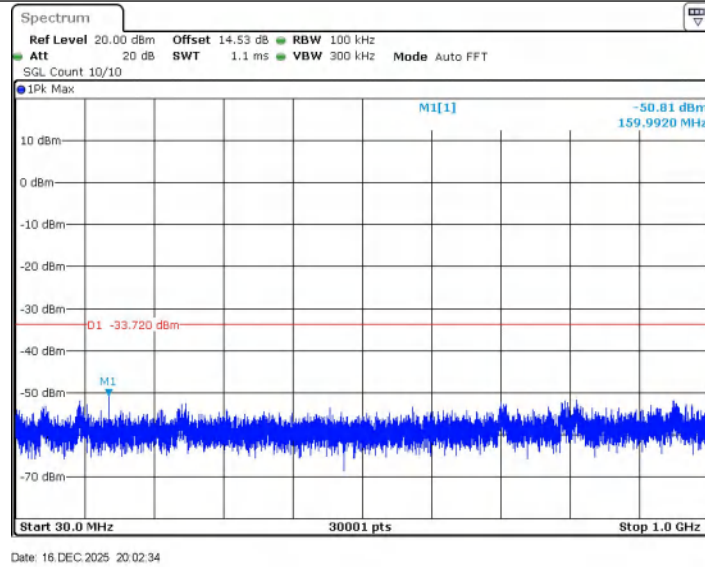
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11N20SISO_Ant1_2437_0~Reference

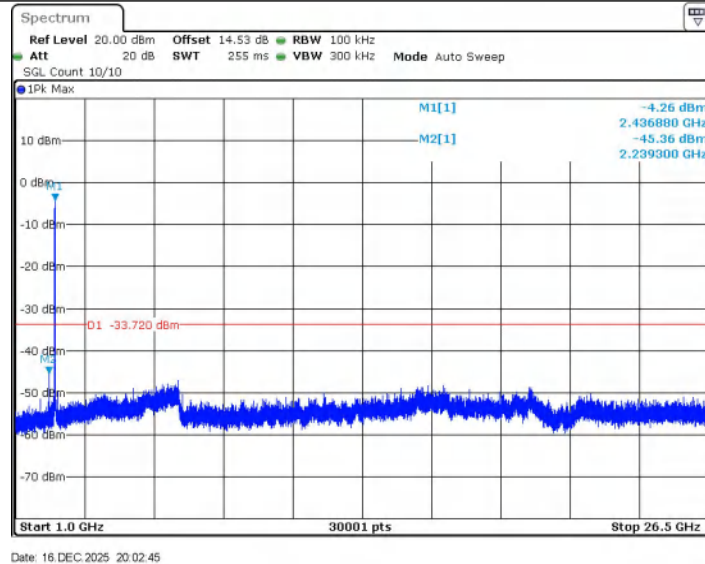


Date: 16 DEC 2025 20:02:30

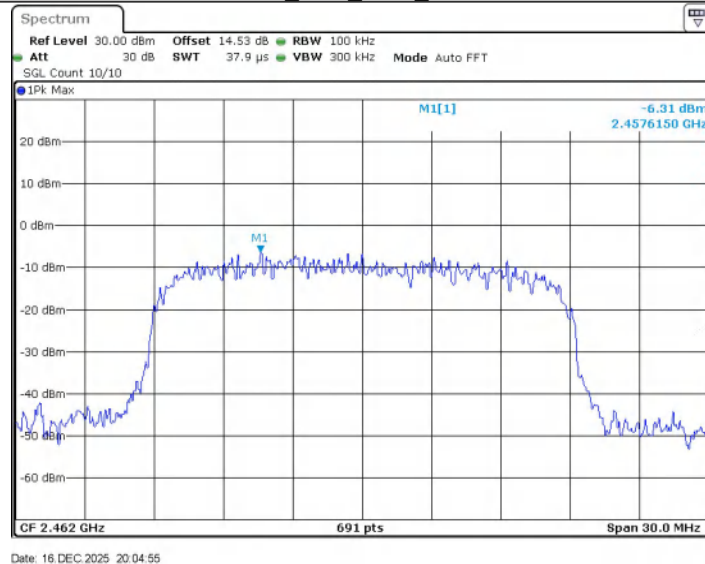
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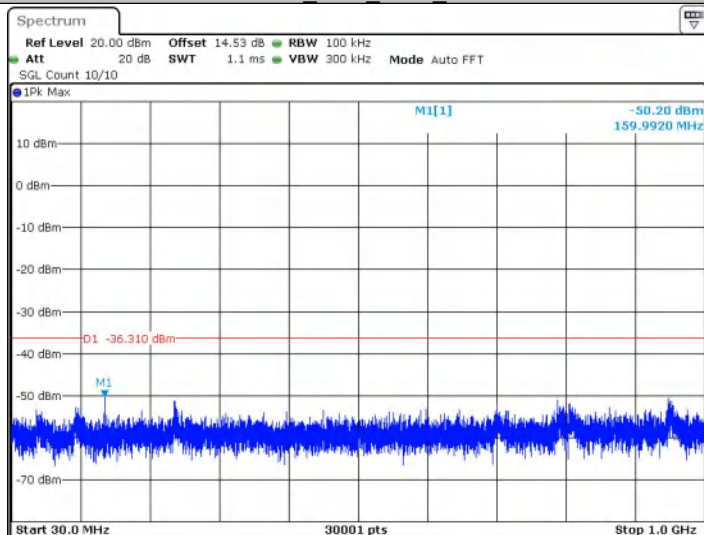
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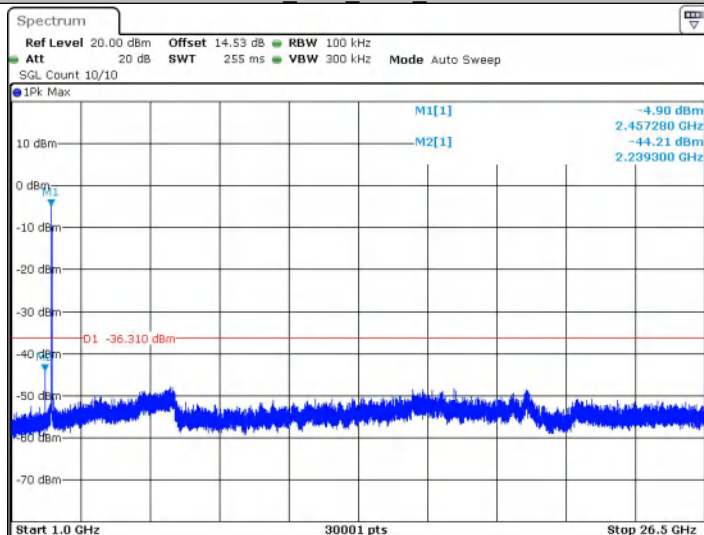


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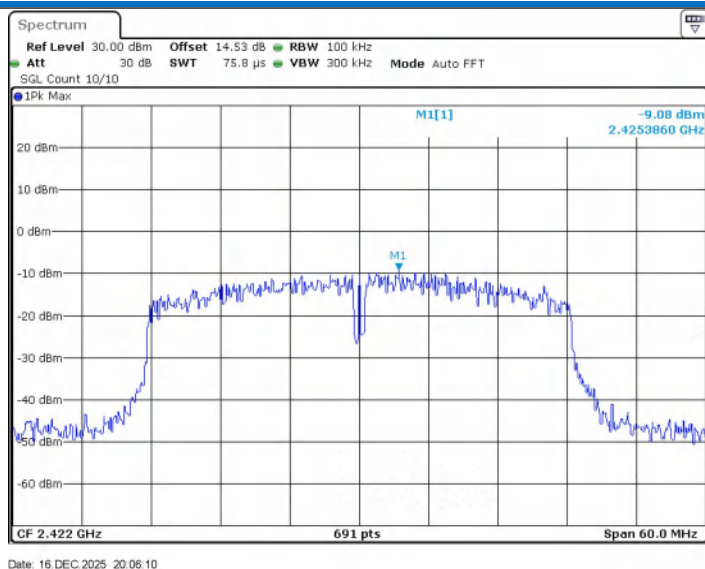
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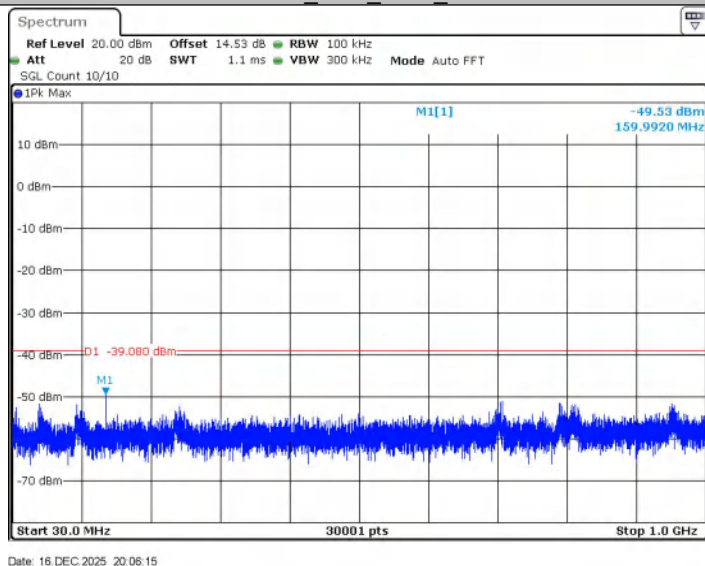


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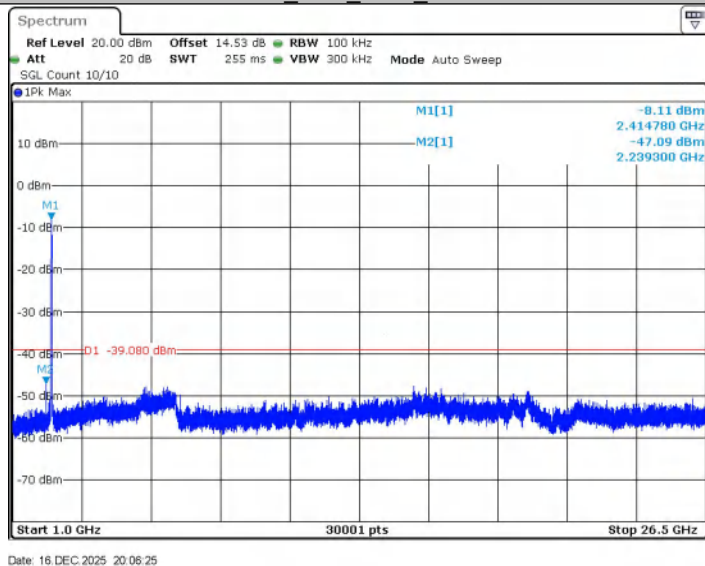
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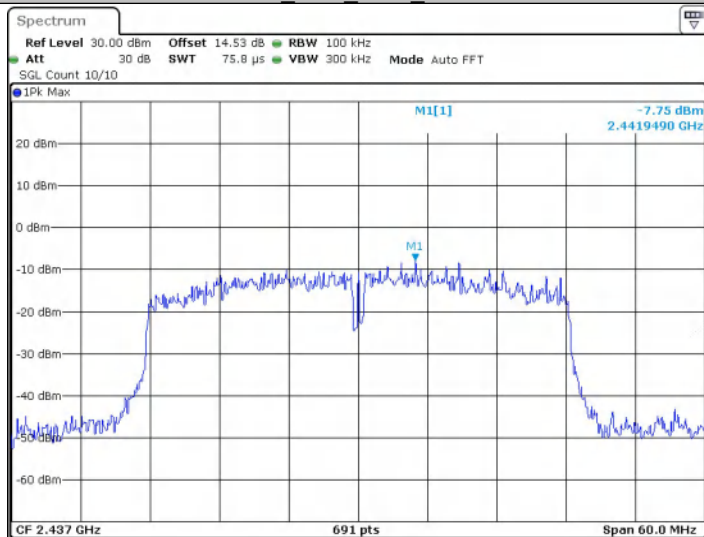
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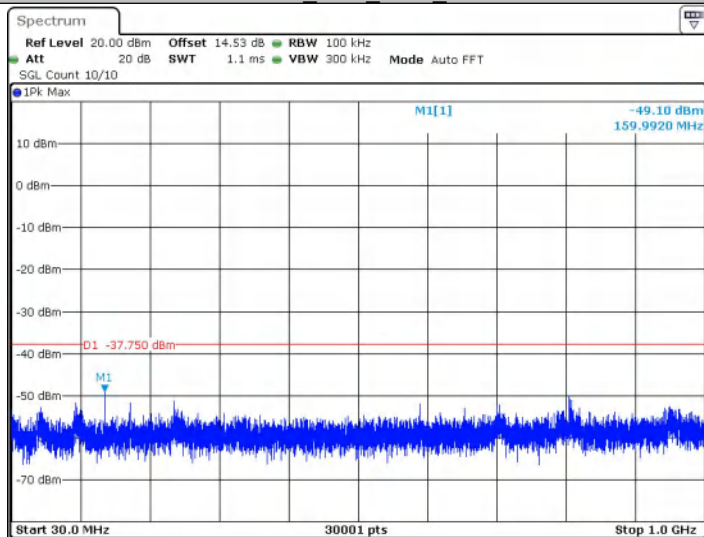


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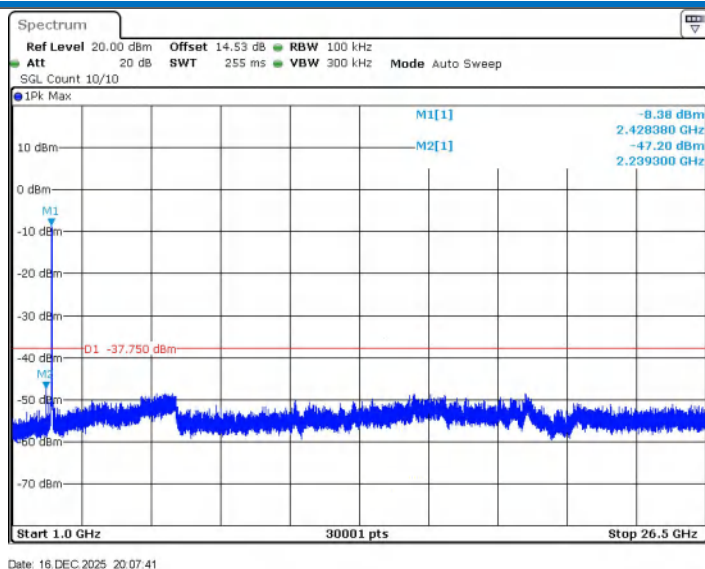
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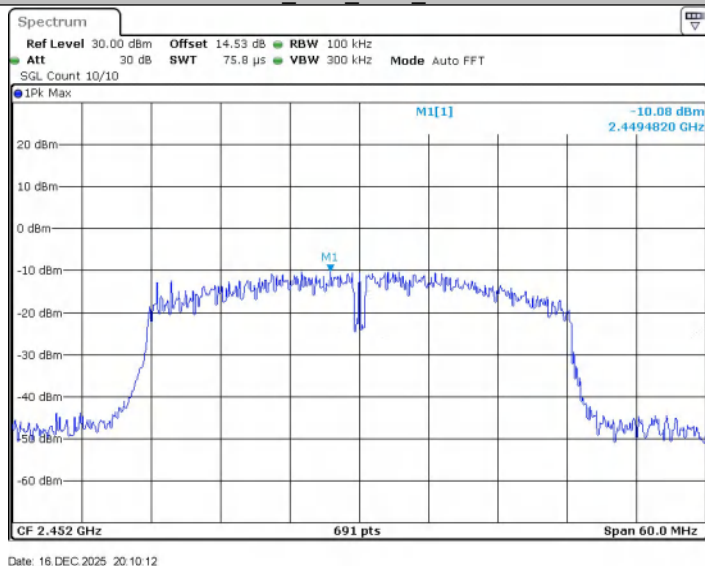


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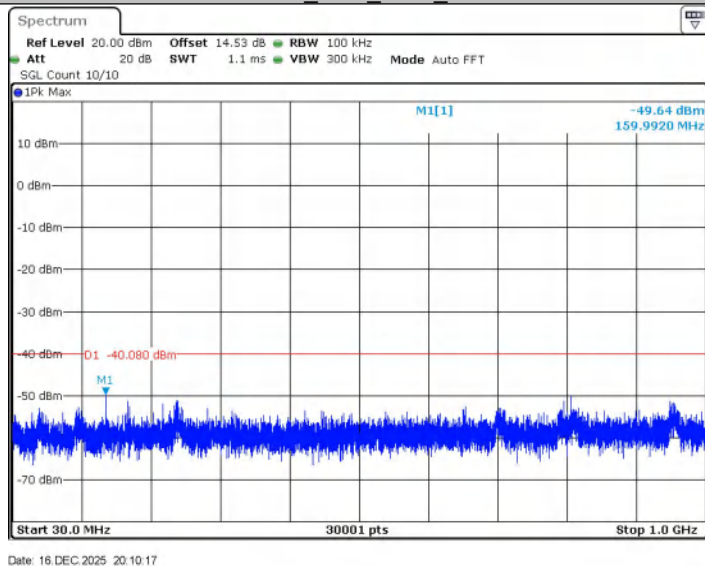
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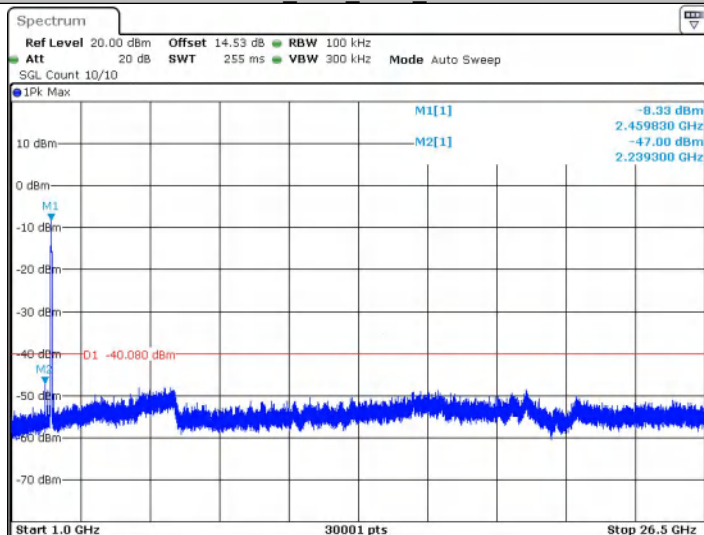
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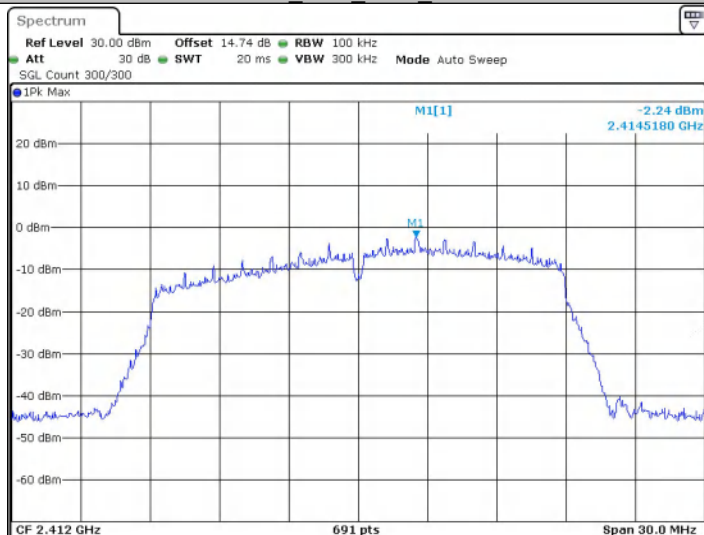


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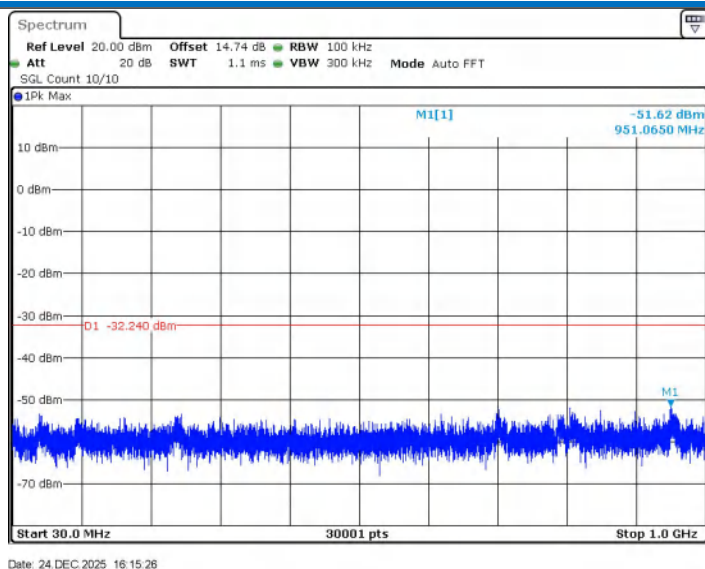
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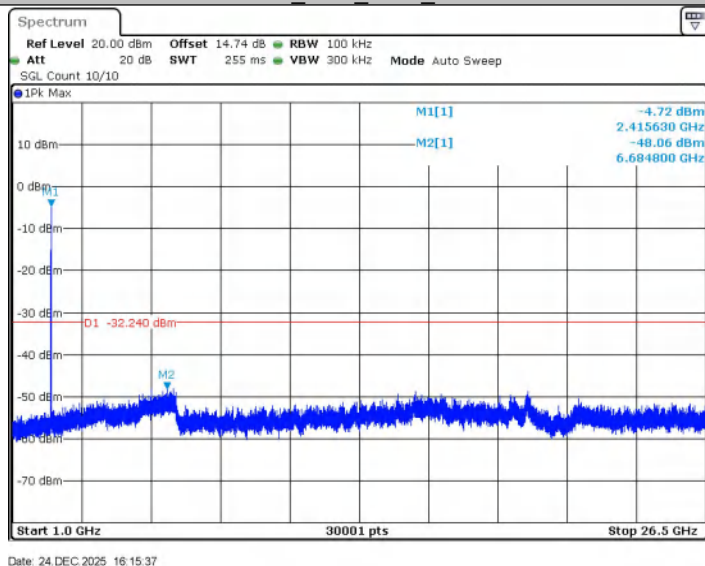


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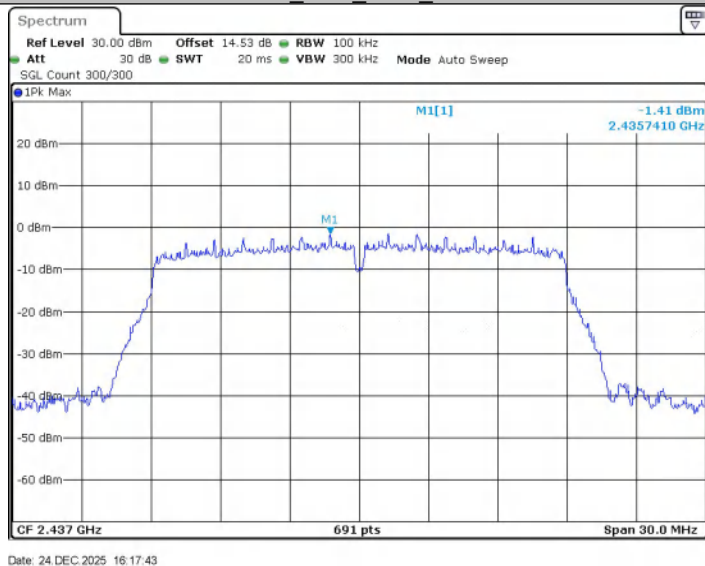
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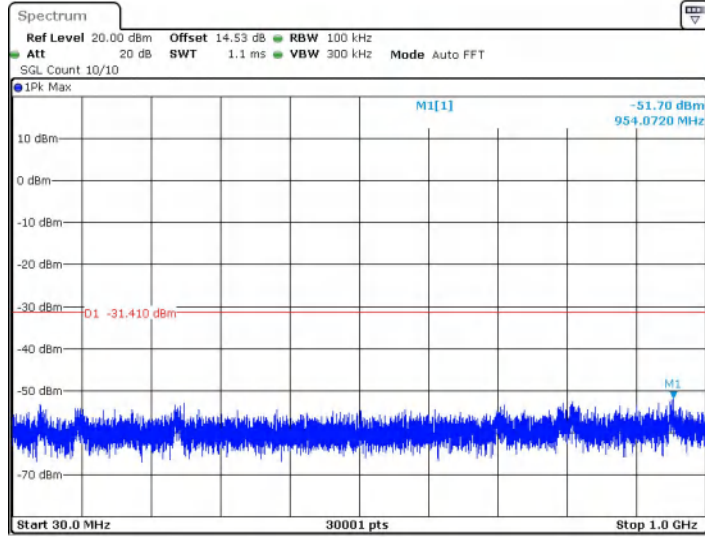
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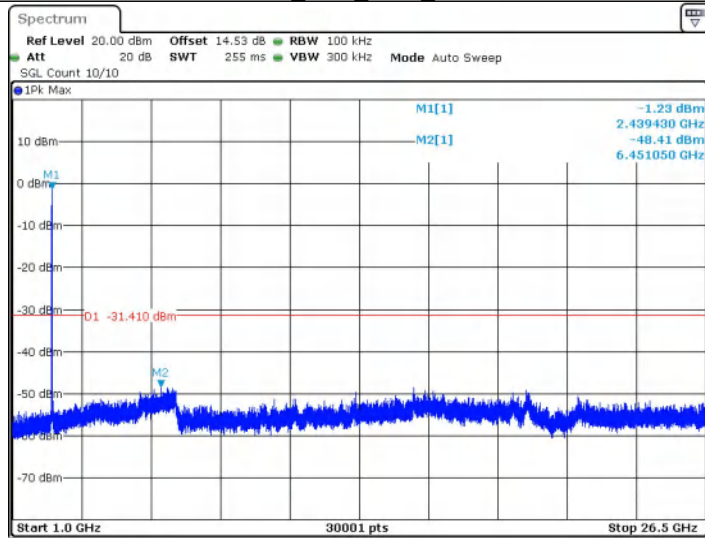


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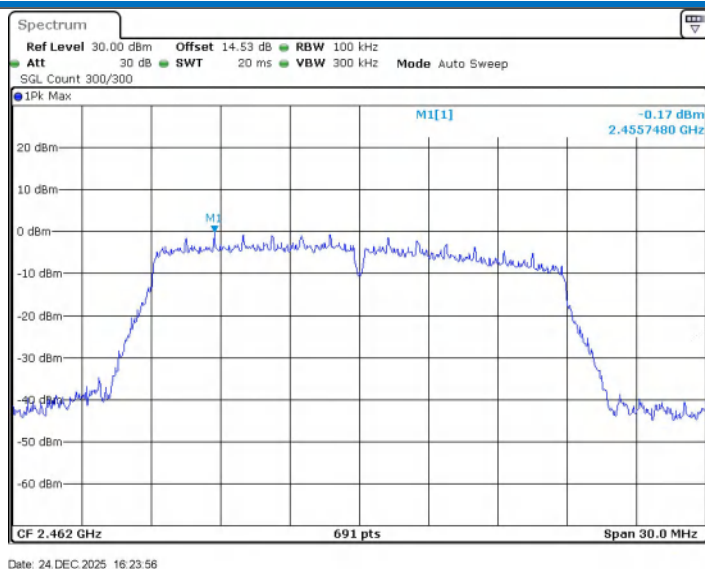
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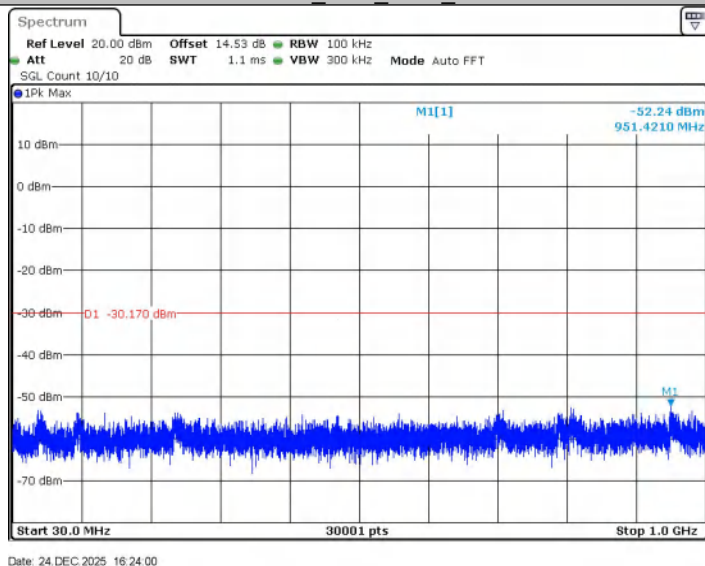


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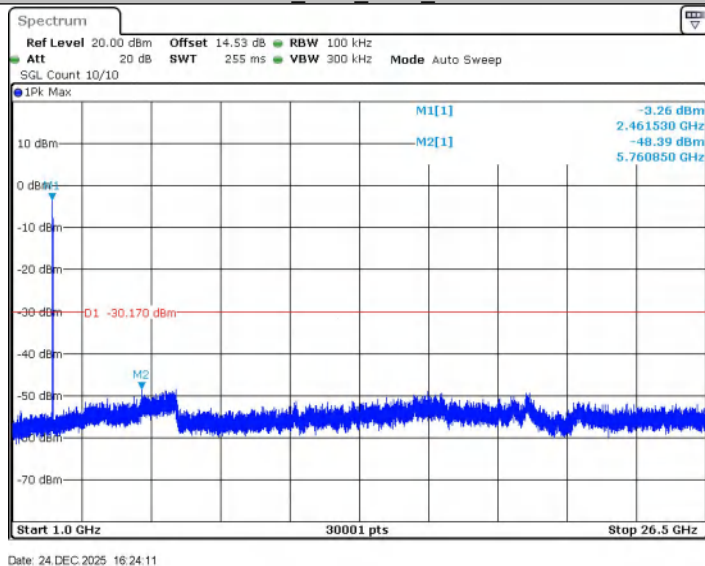
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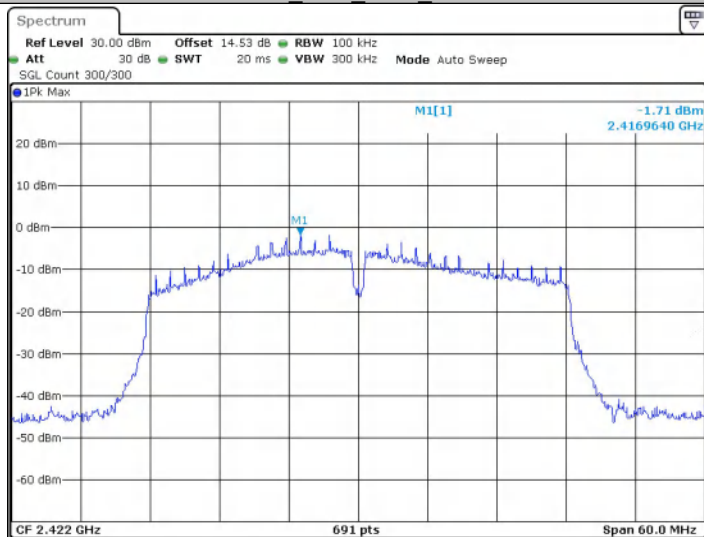
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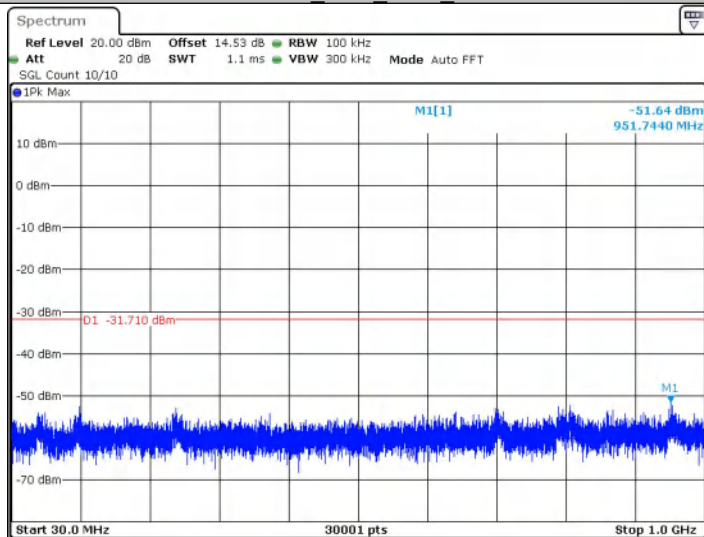


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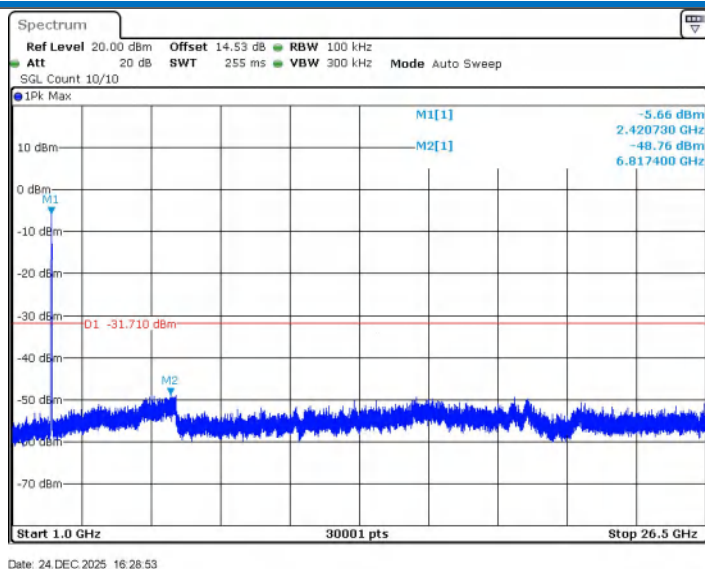
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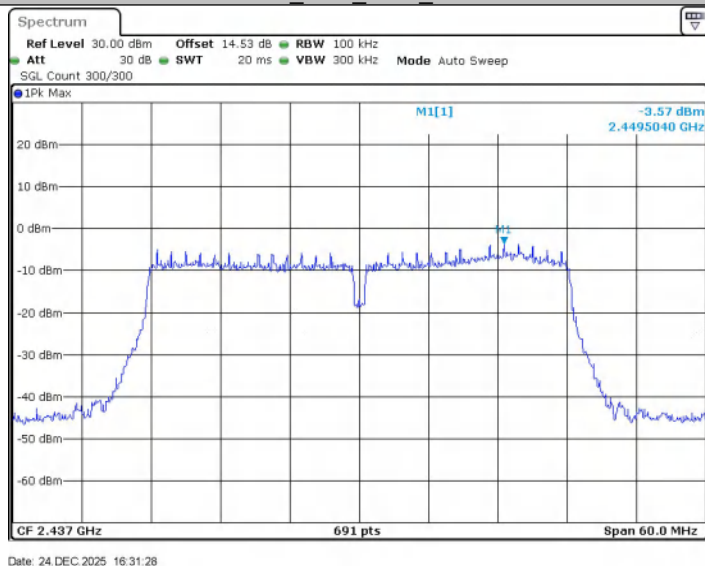


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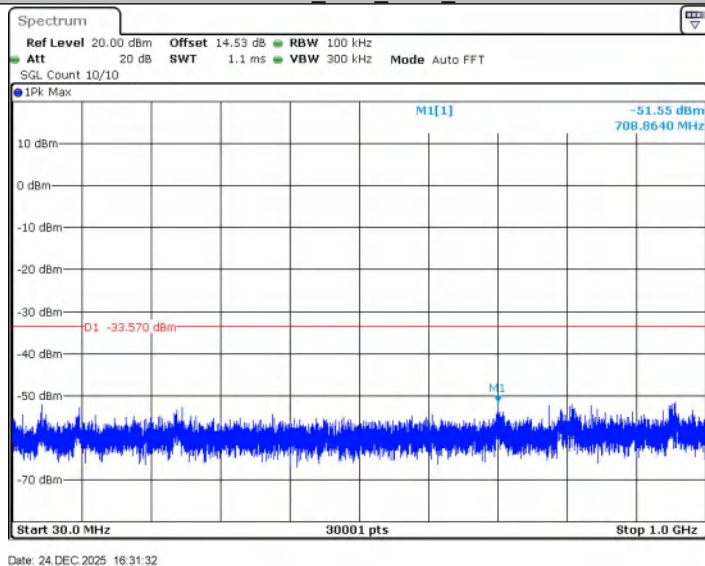
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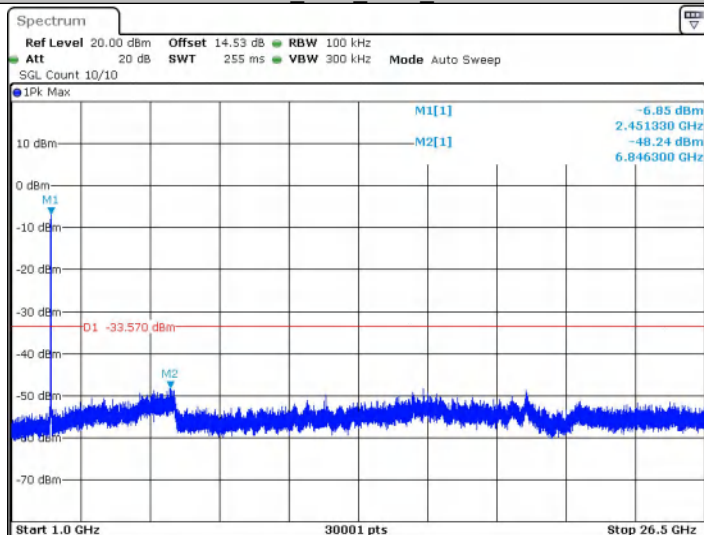
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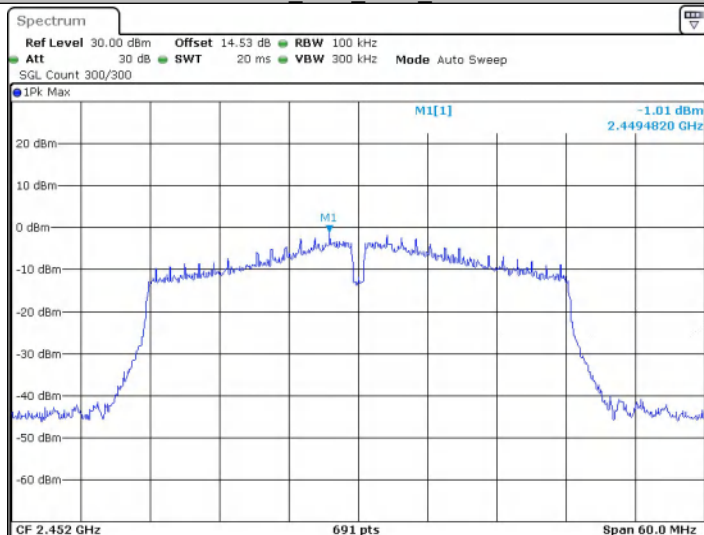


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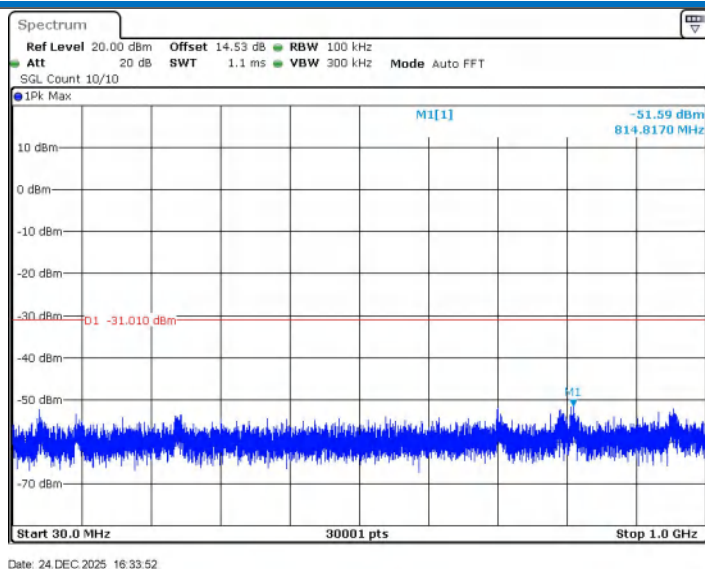
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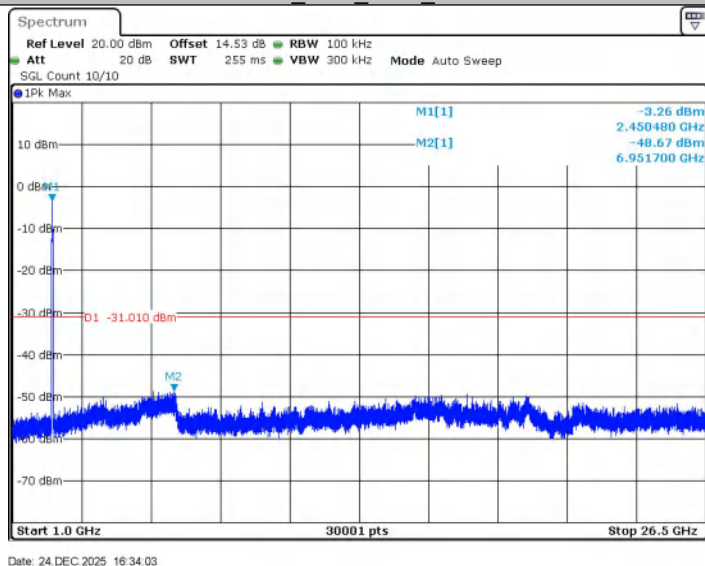


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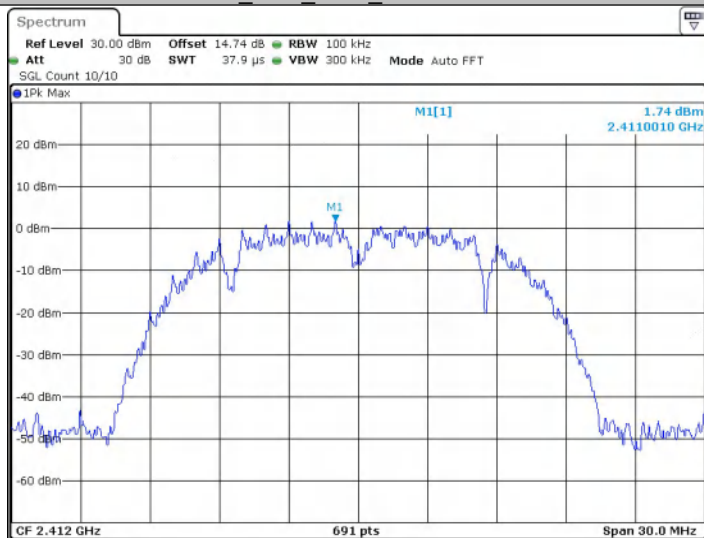
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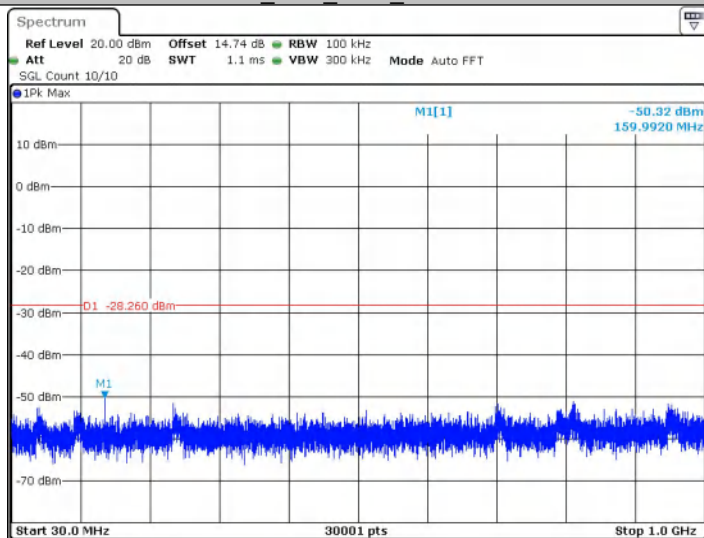


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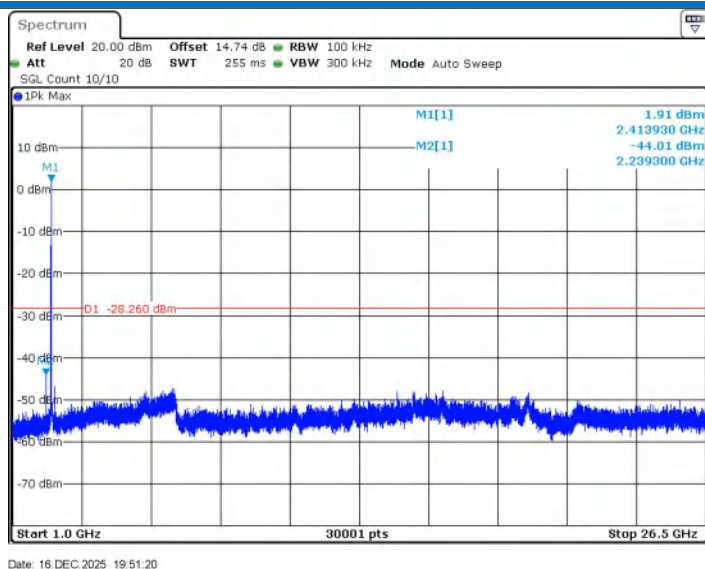
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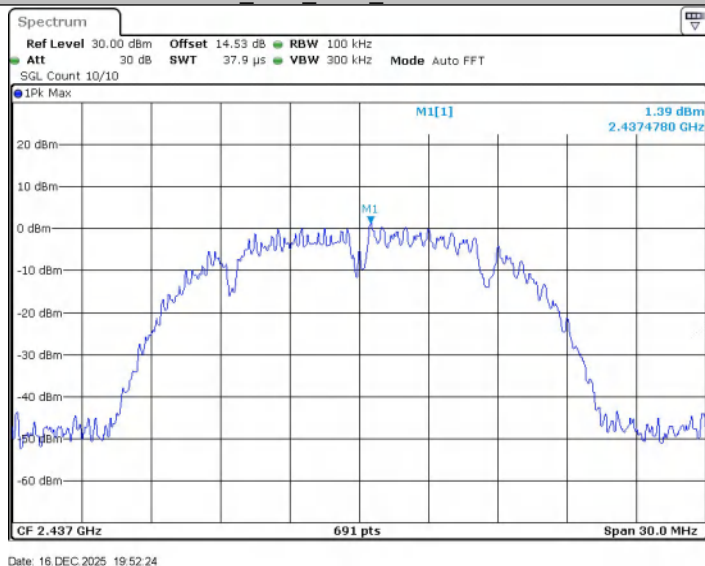


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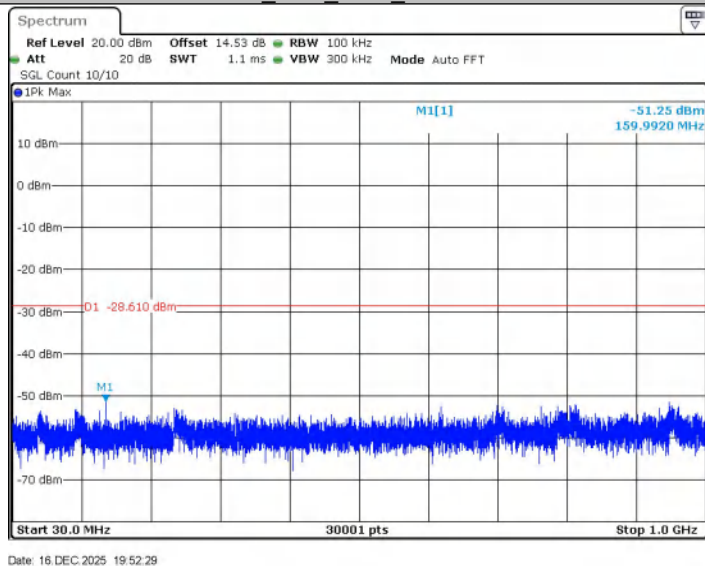
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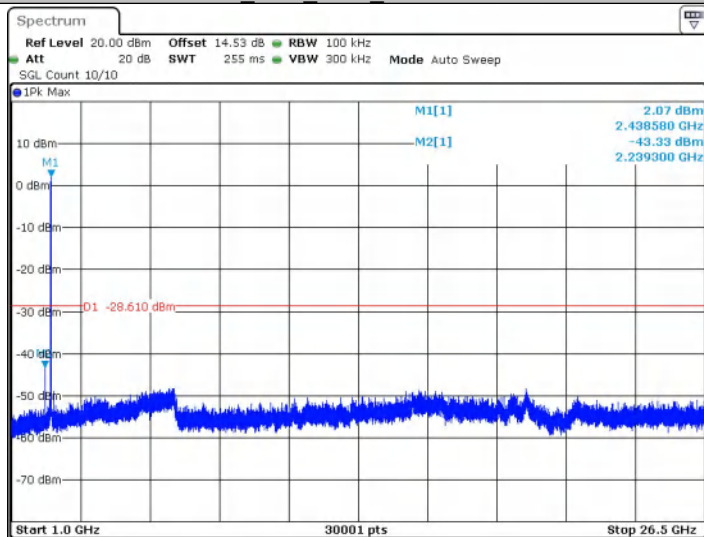
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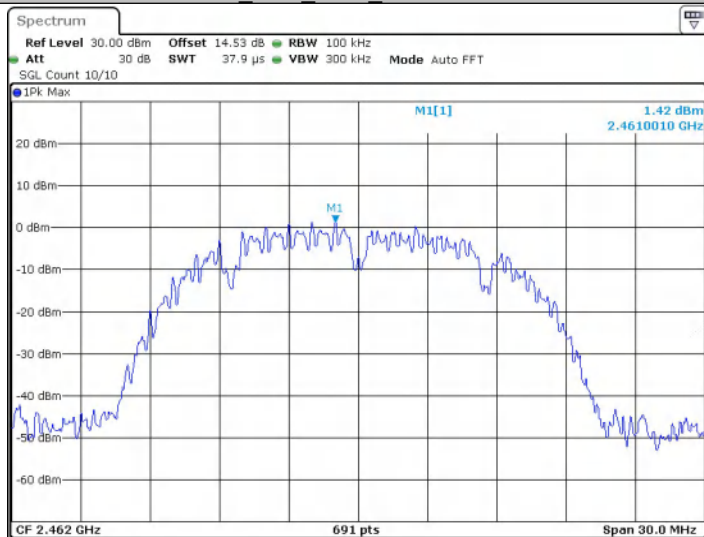


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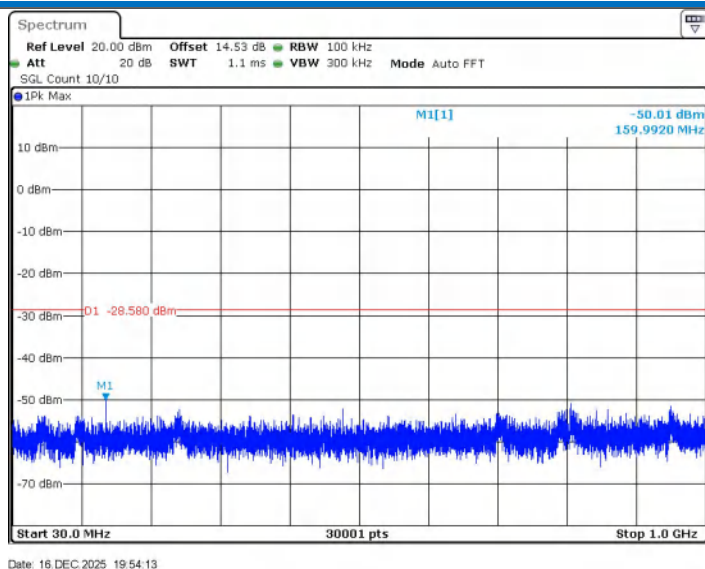
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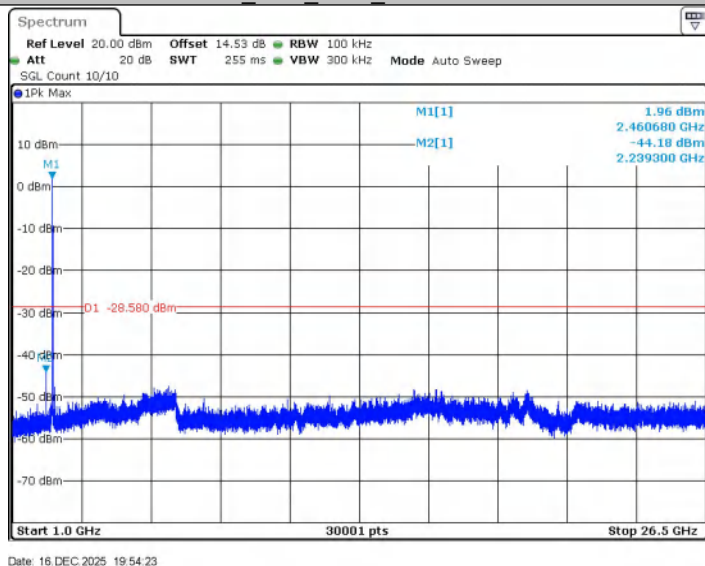


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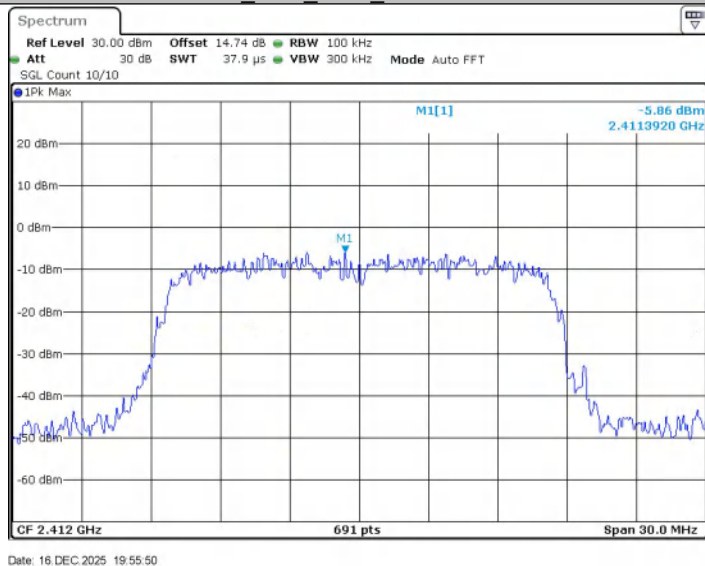
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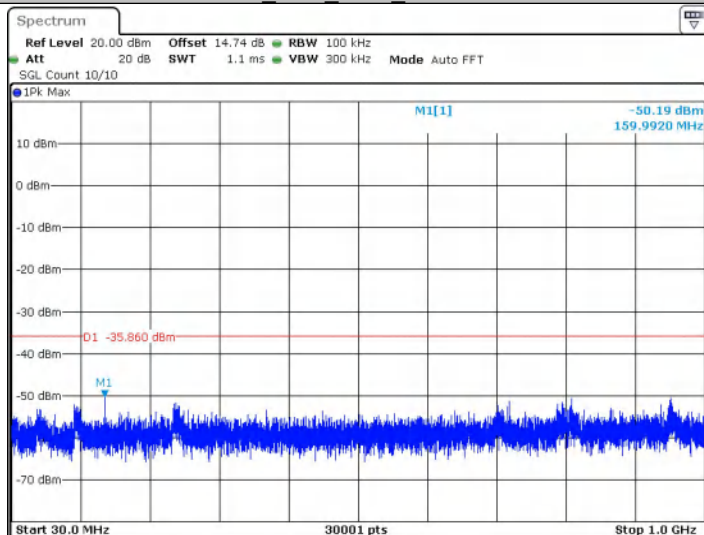
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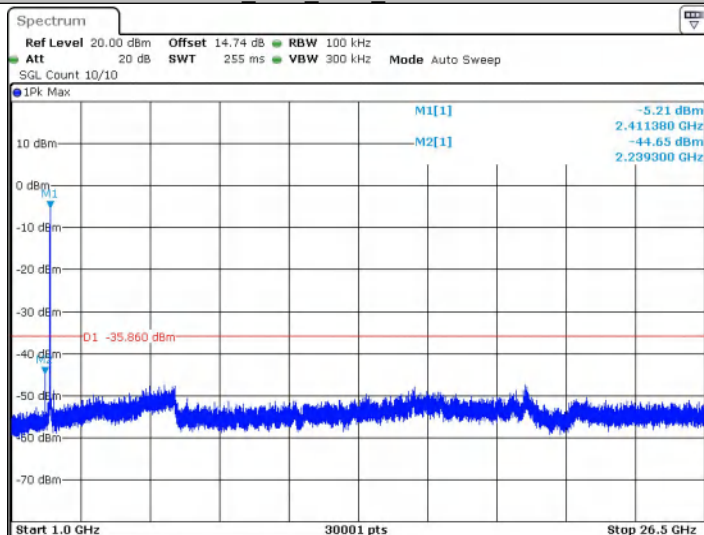


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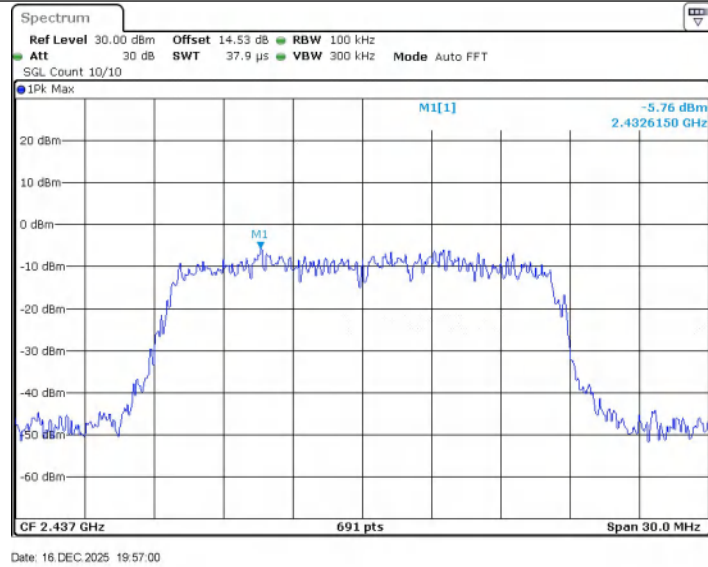
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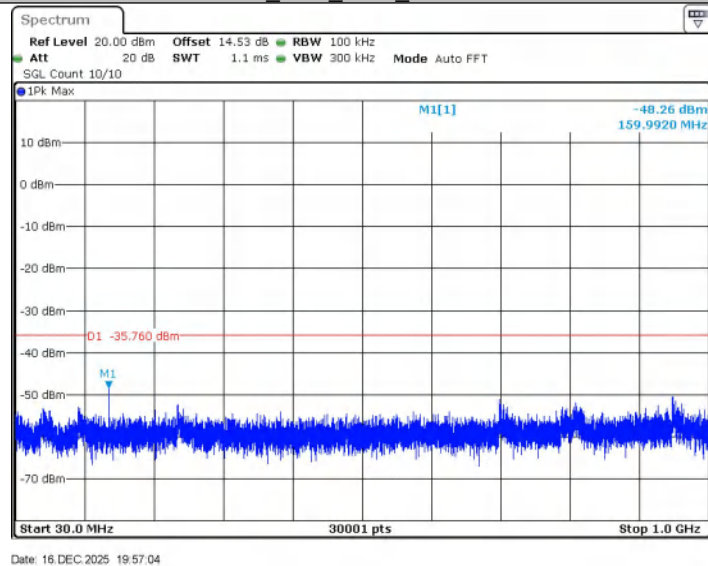


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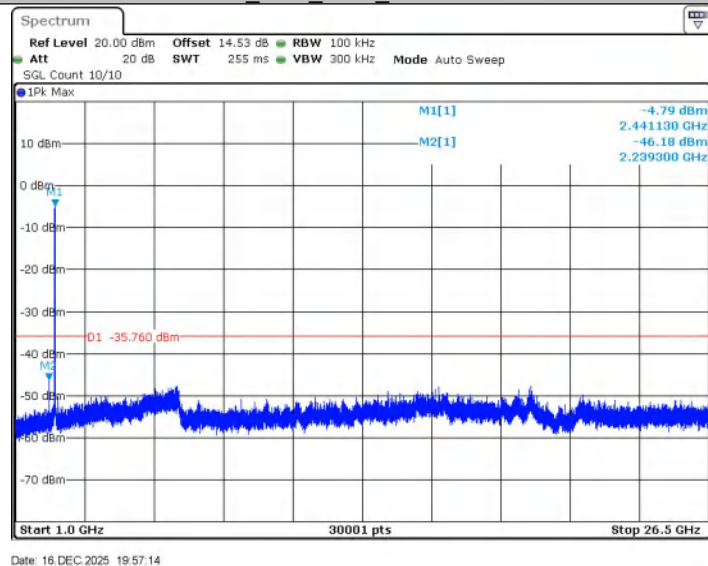
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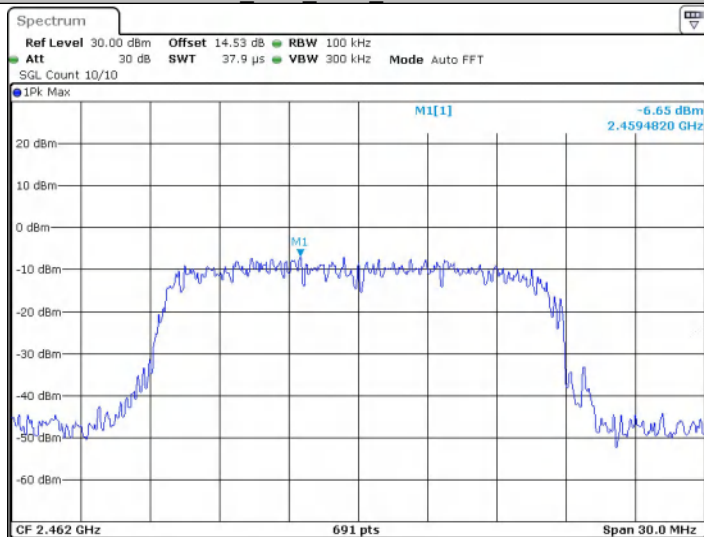
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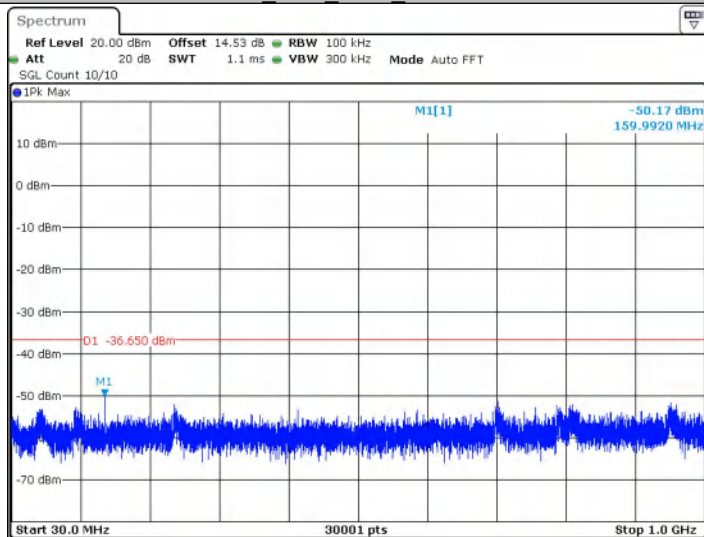


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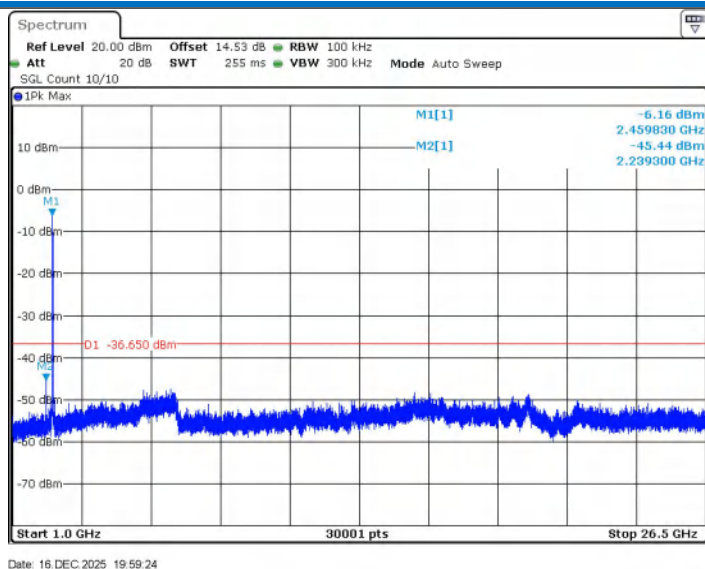
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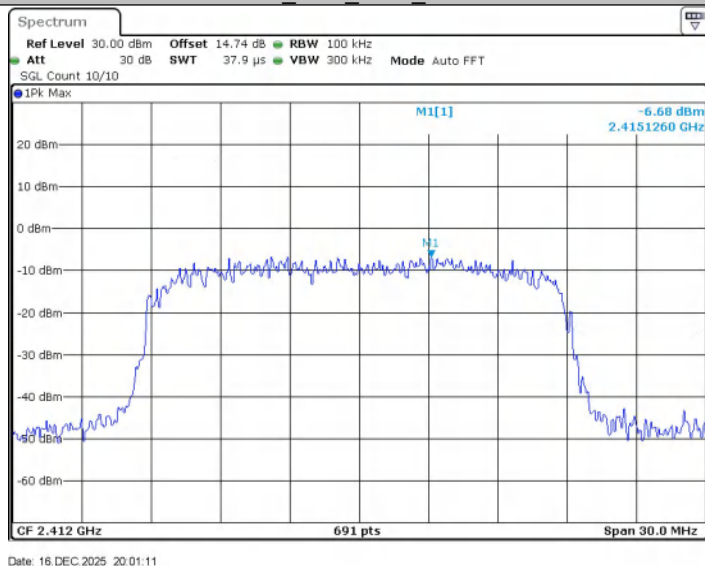


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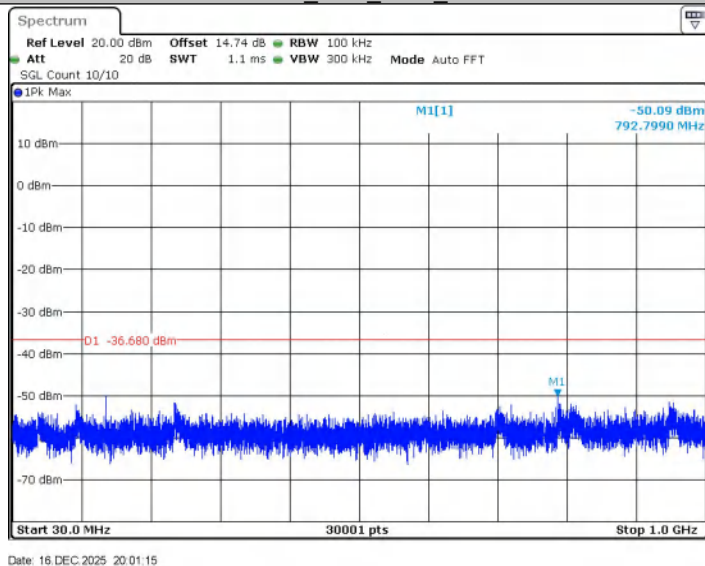
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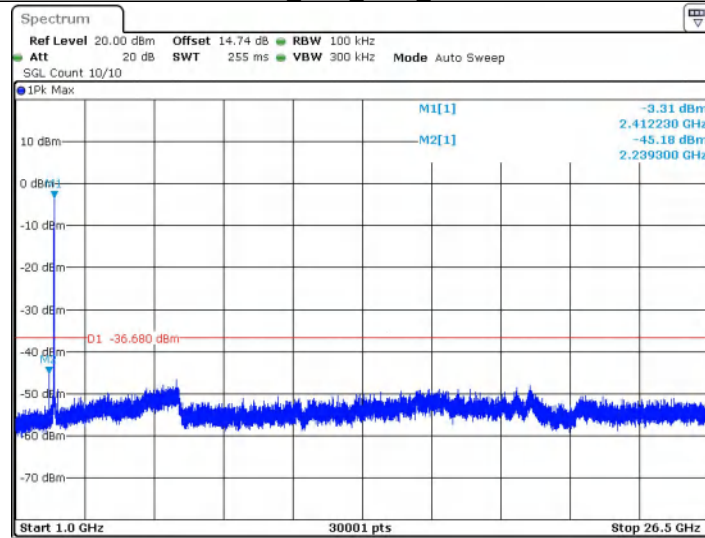
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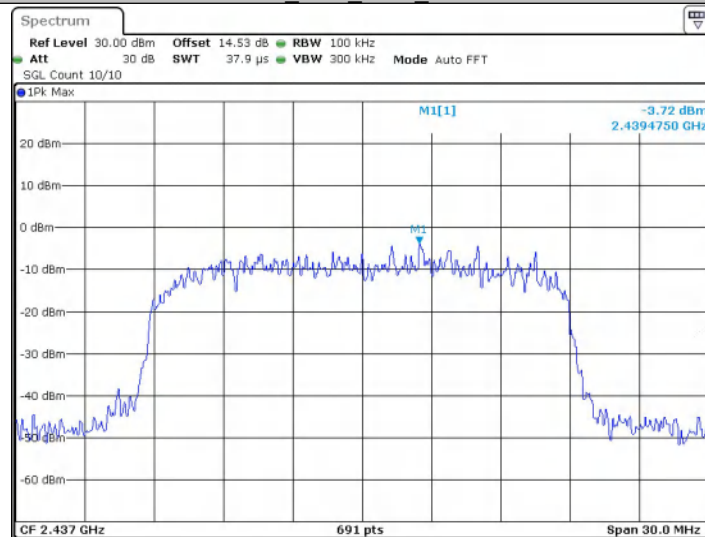


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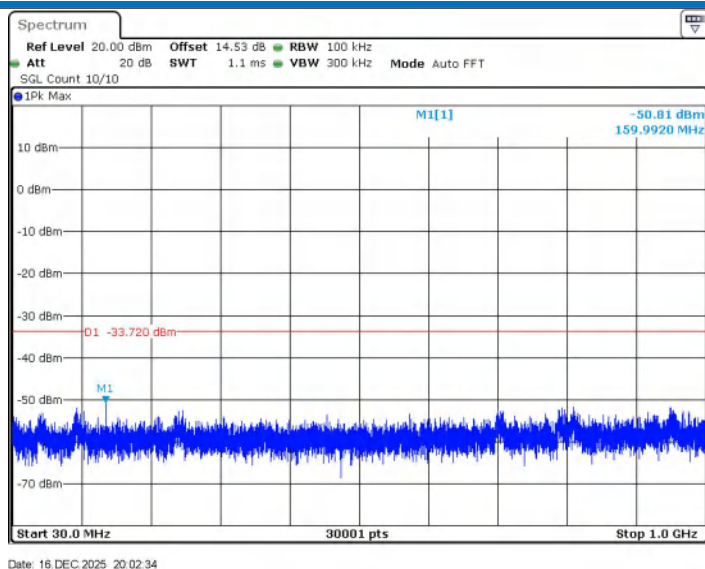
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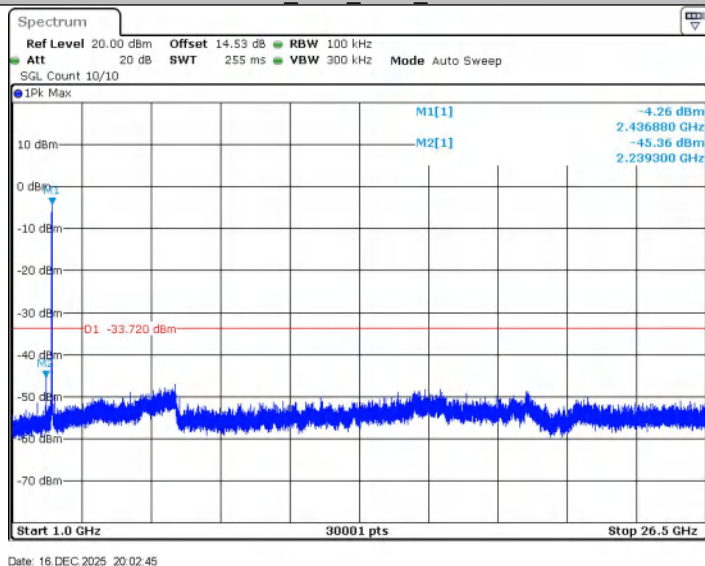


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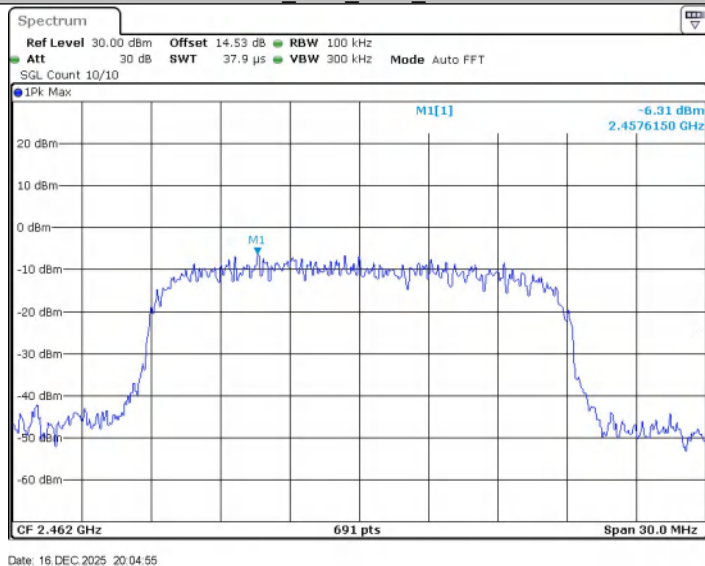
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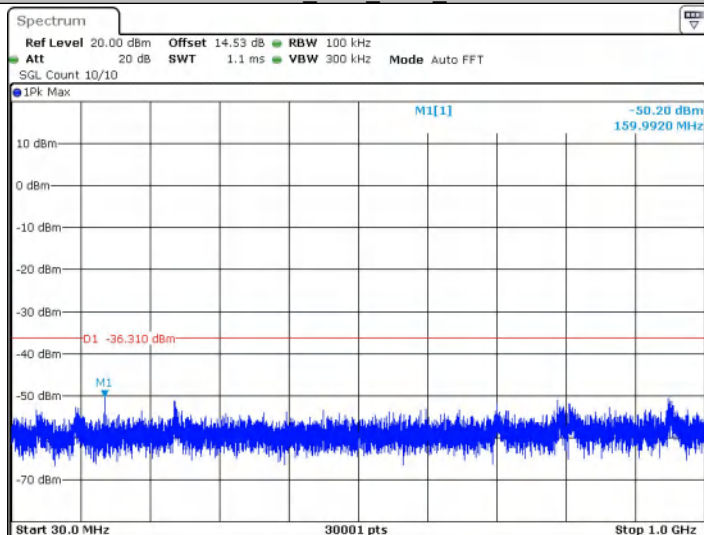
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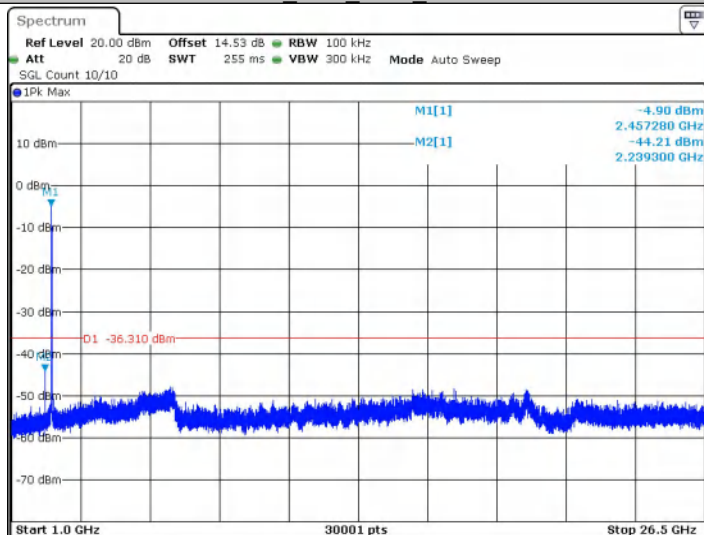


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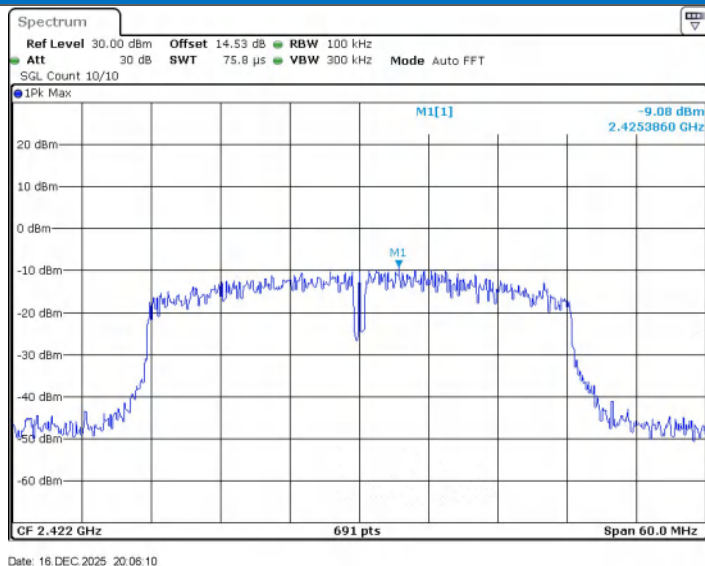
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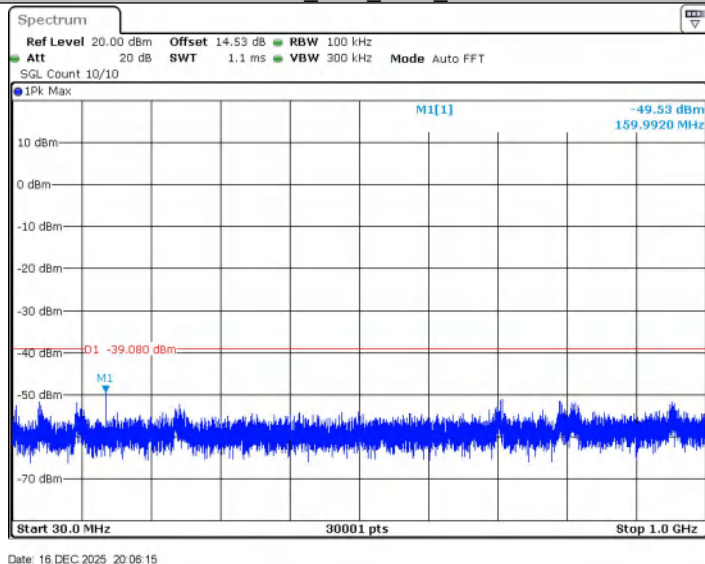


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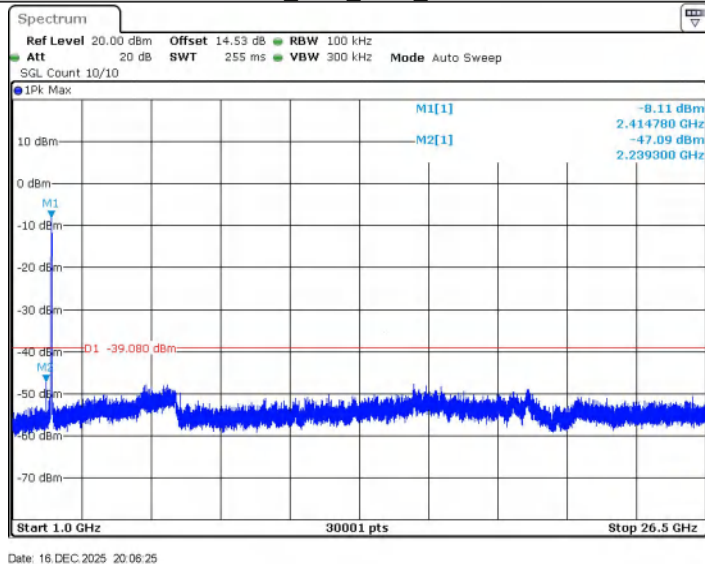
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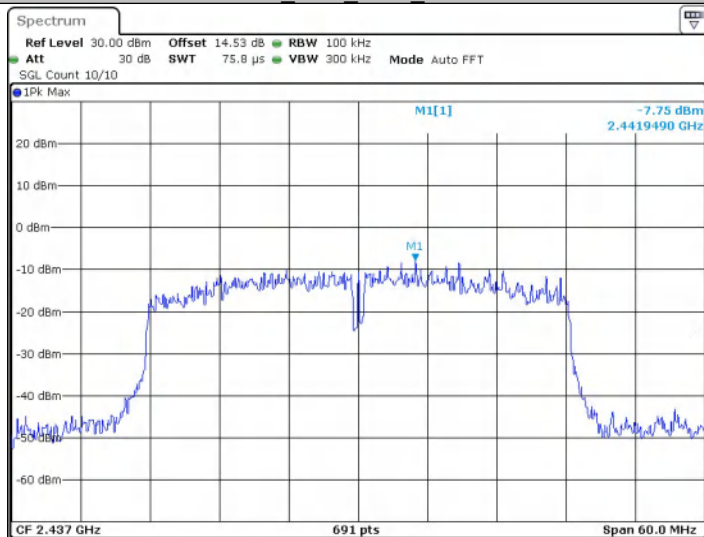
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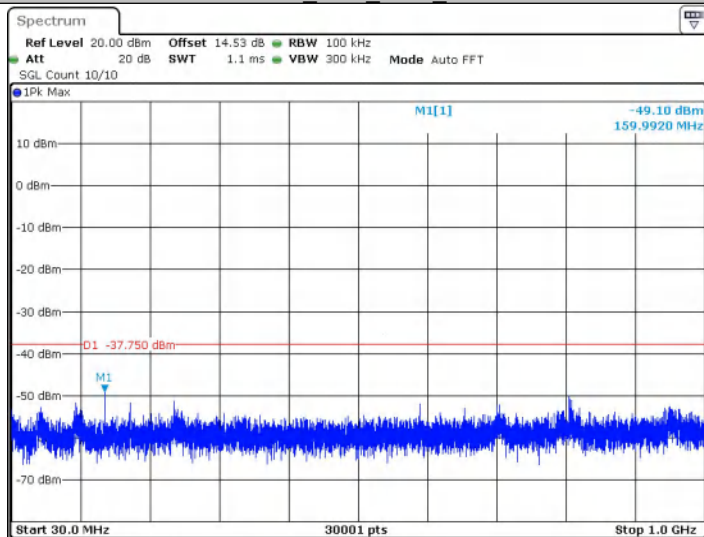
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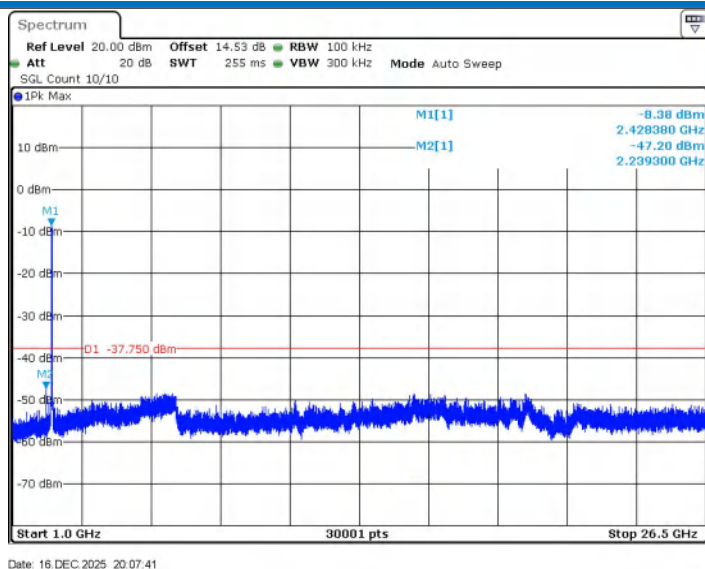
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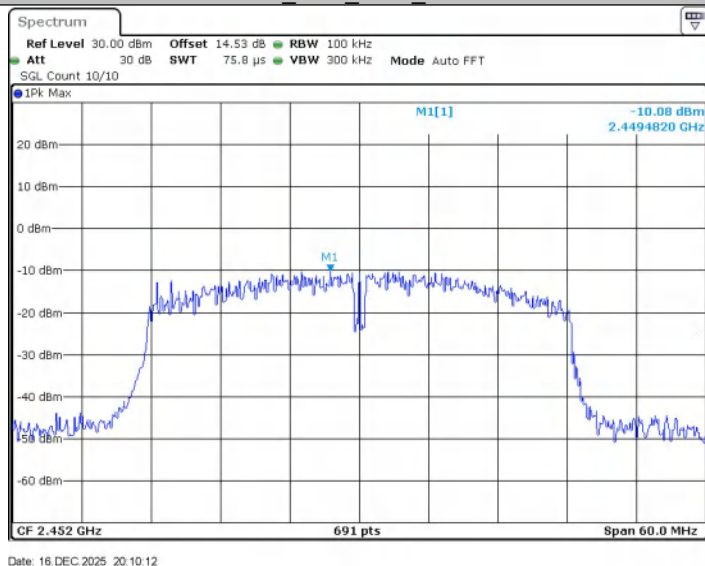
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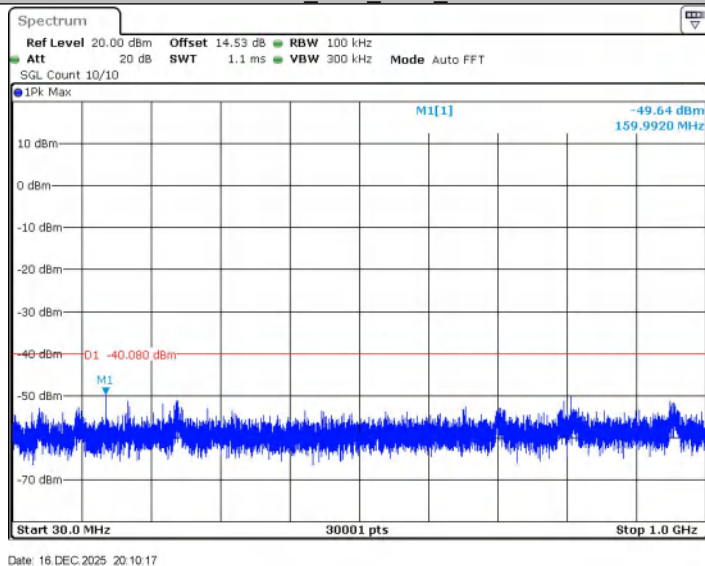
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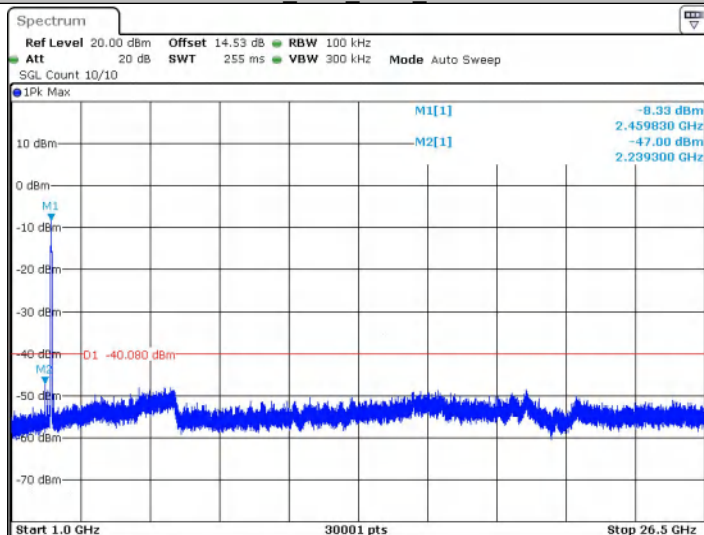
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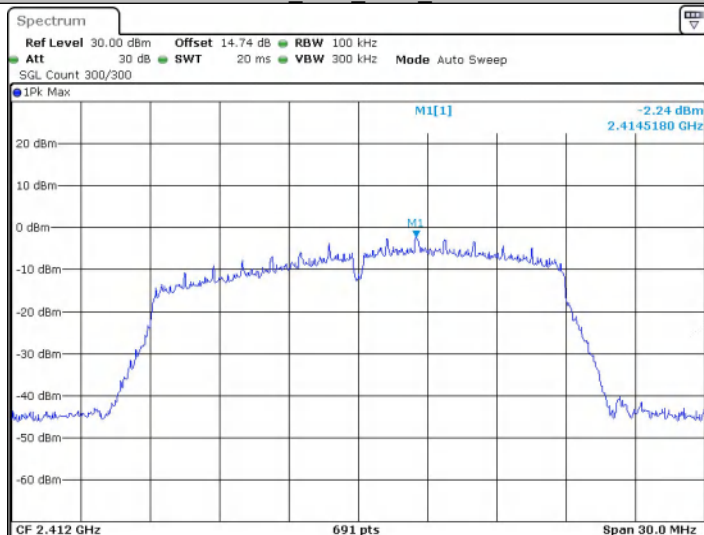


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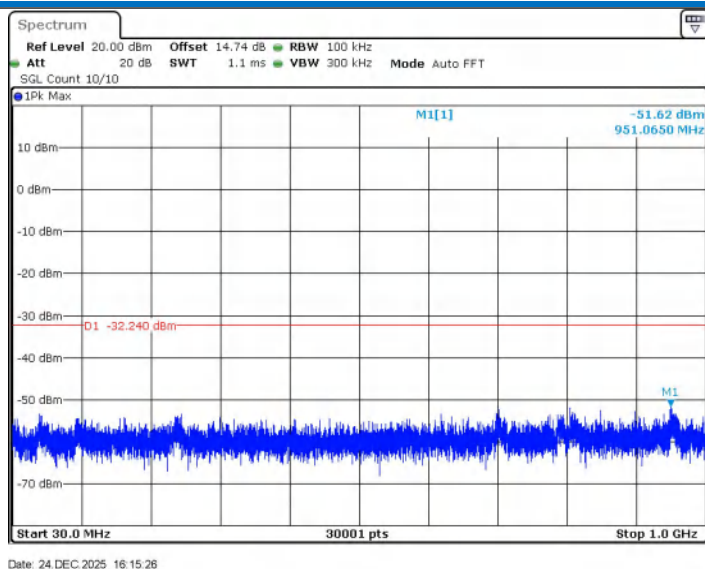
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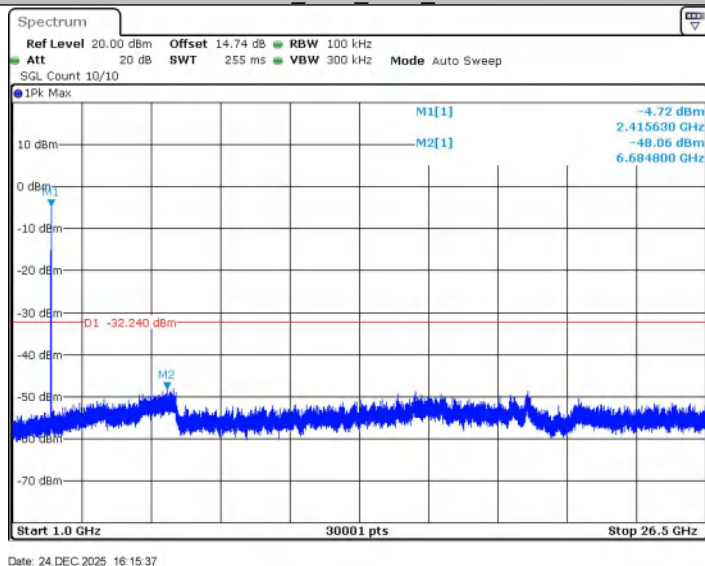


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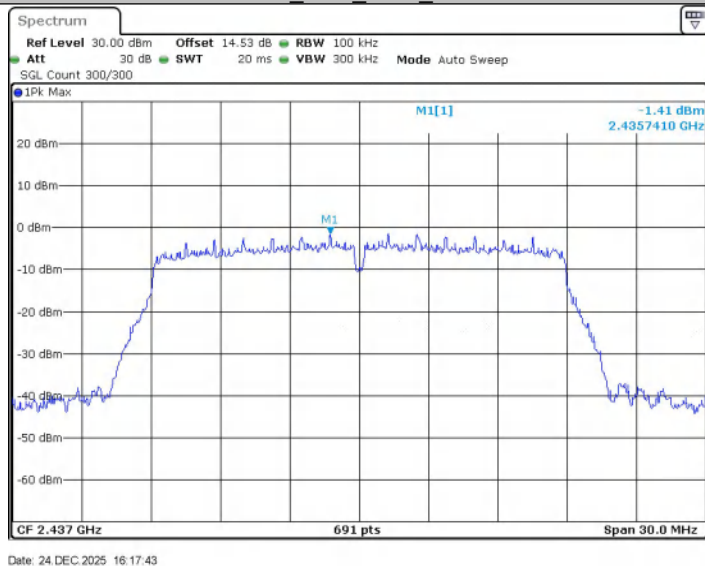
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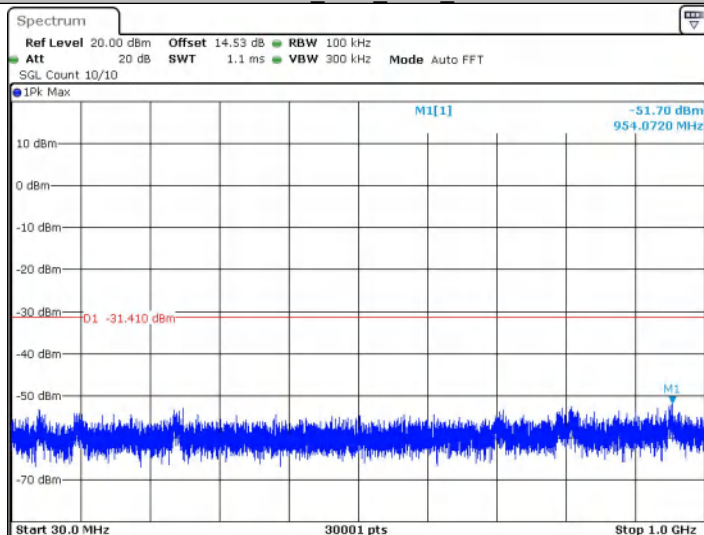
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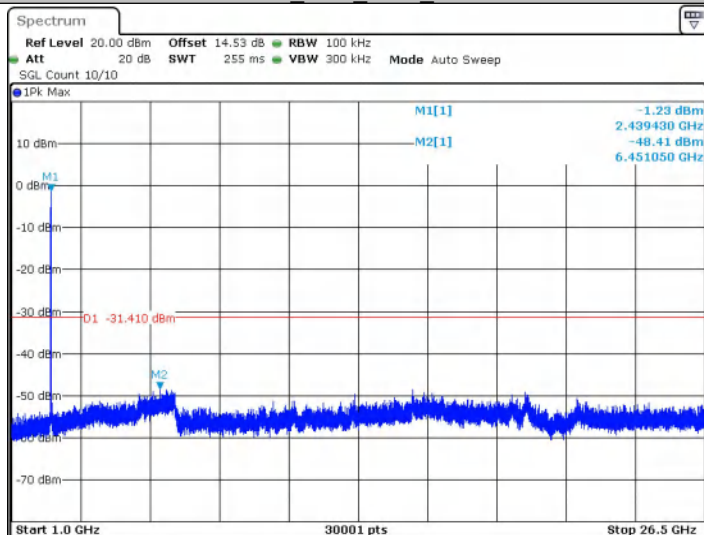


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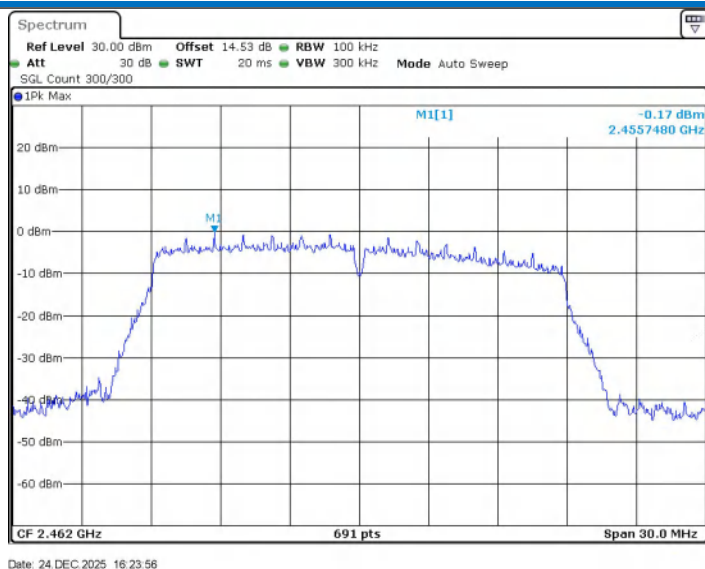
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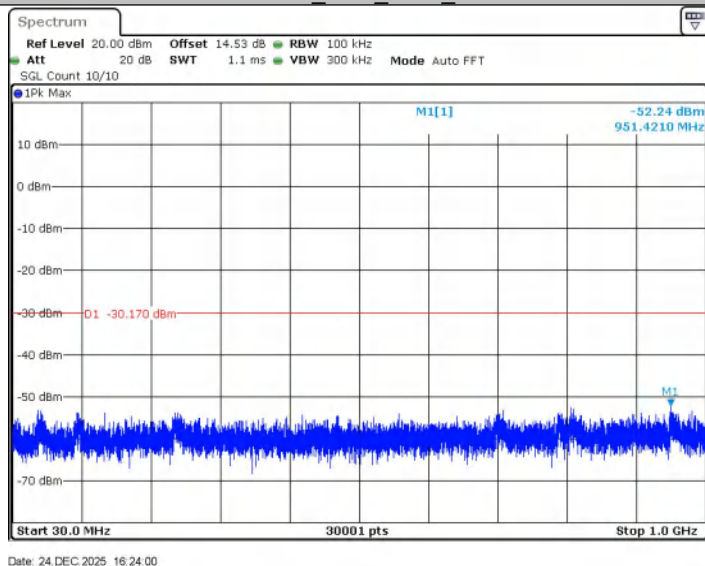


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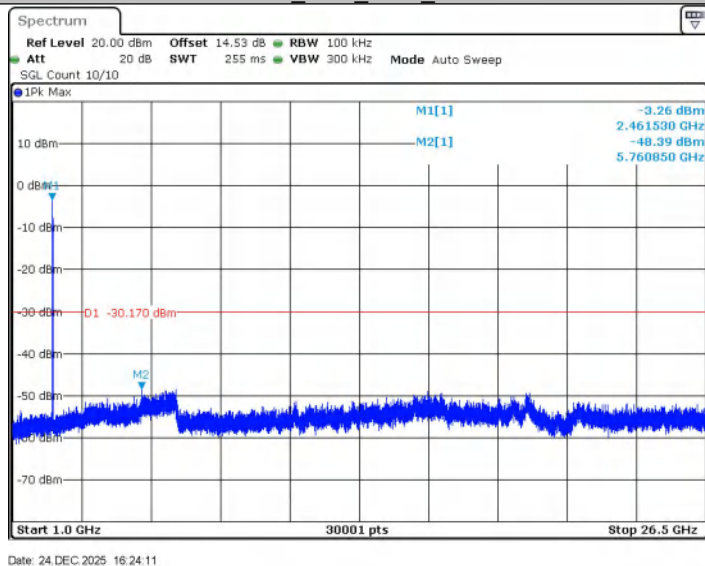
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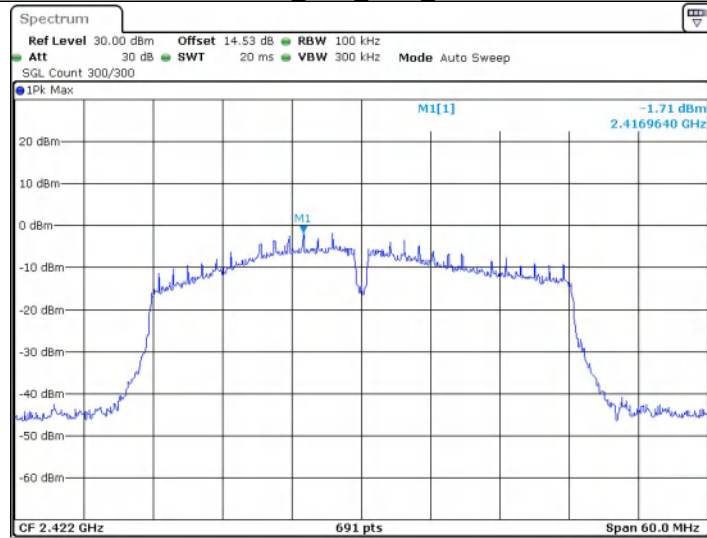
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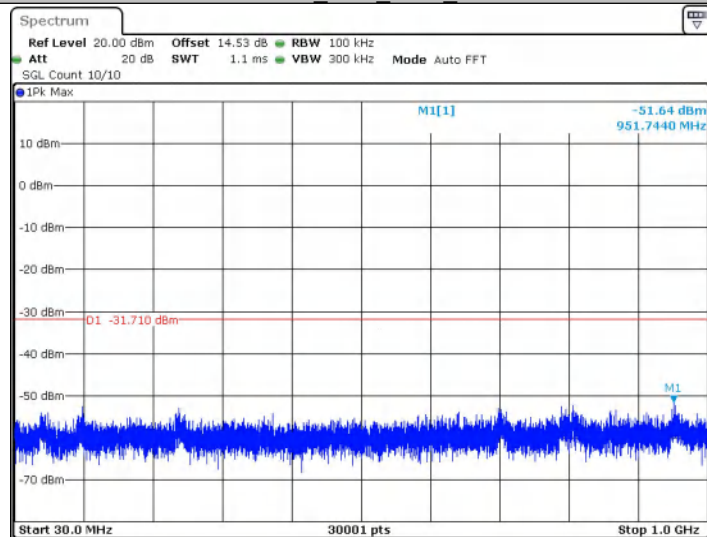


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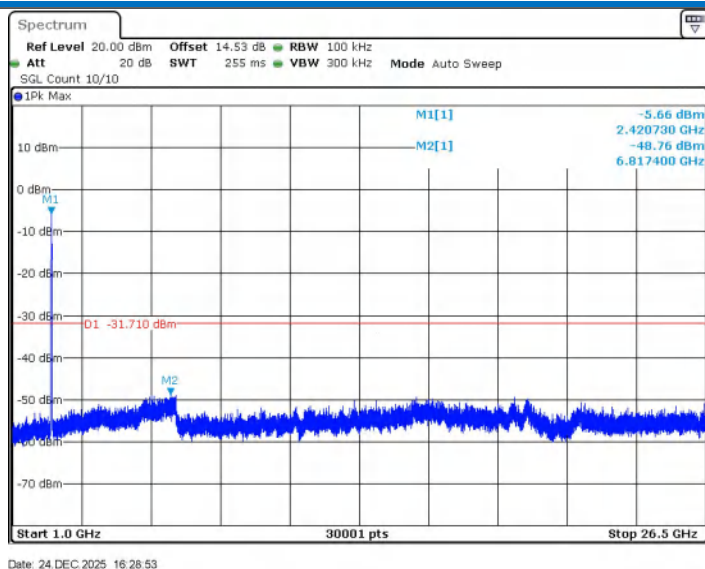
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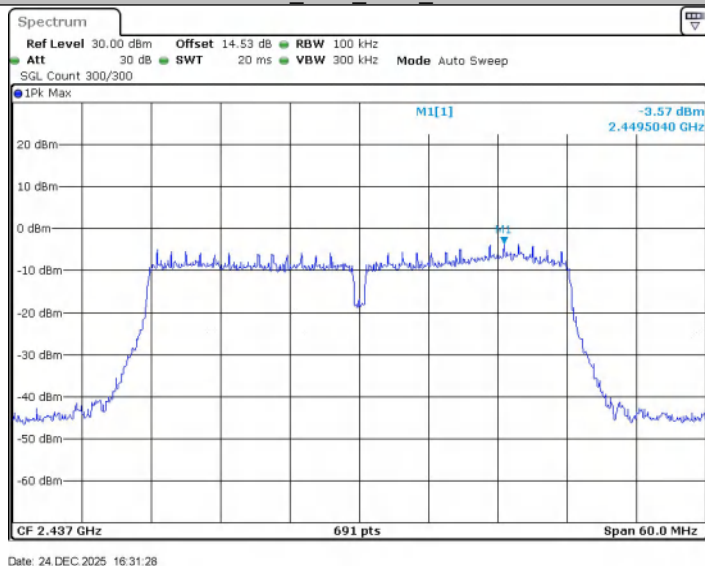


Date: 24 DEC 2025 16:28:43

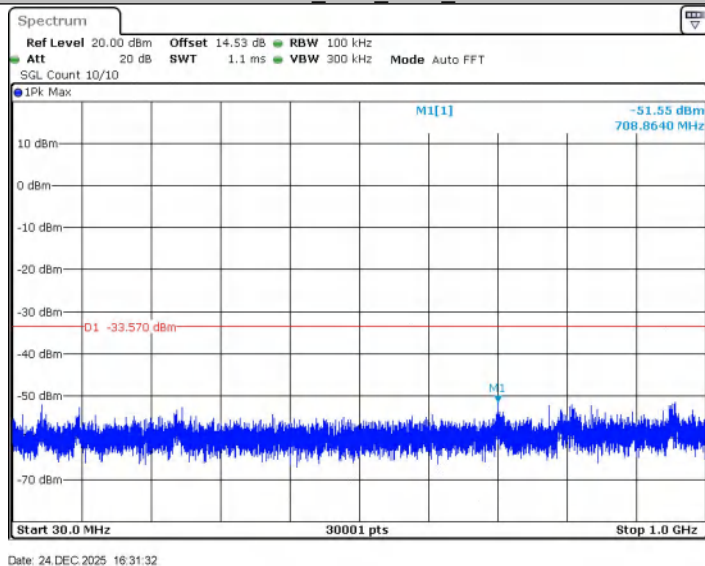
11AX40SISO_Ant1_2422_1000~26500



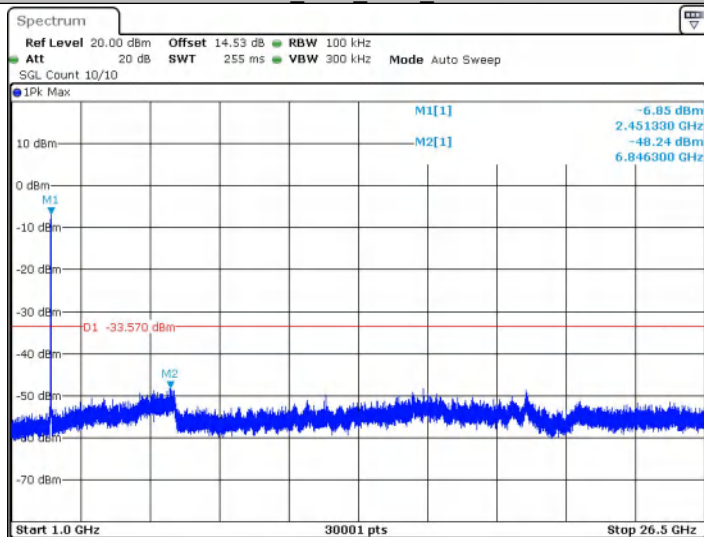
11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000

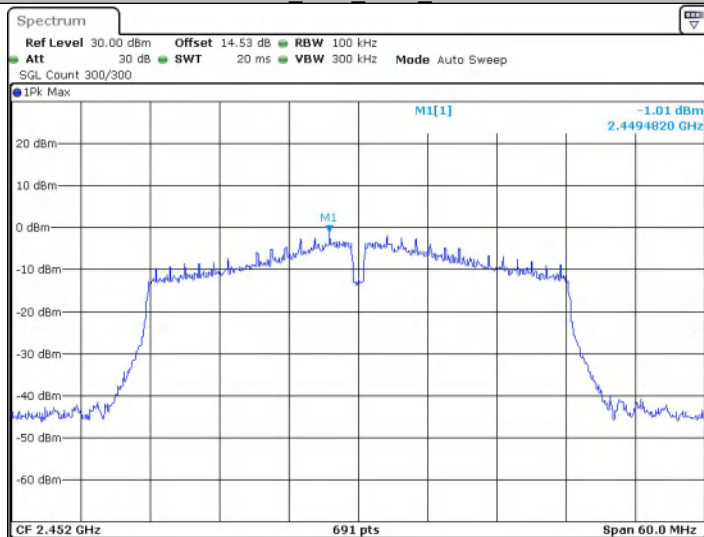


11AX40SISO_Ant1_2437_1000~26500



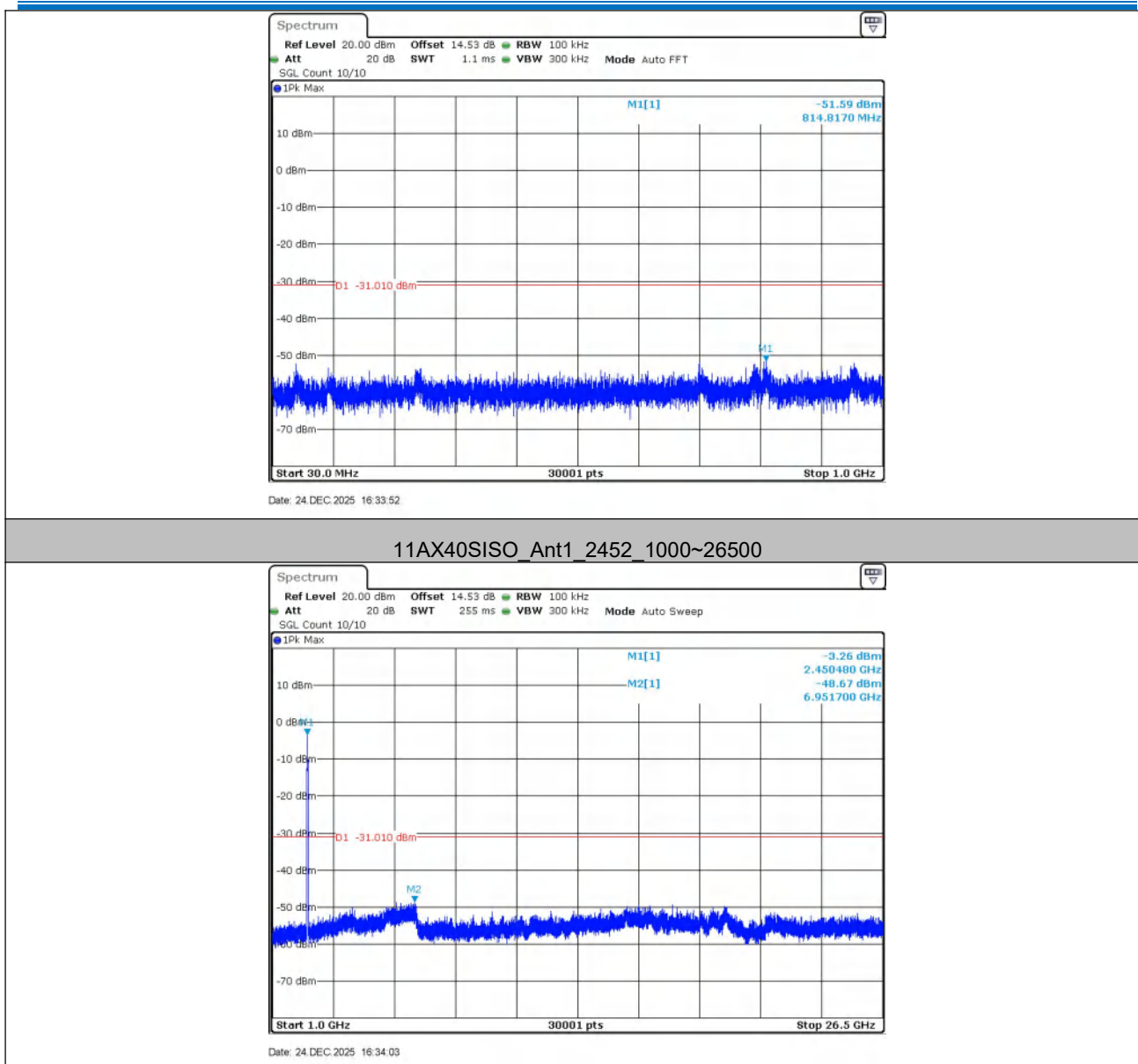
Date: 24 DEC 2025 16:31:43

11AX40SISO_Ant1_2452_0~Reference



Date: 24 DEC 2025 16:33:48

11AX40SISO_Ant1_2452_30~1000



Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.

5.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 2020				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1GHz	Peak	1MHz	3MHz	Peak
		Peak	1MHz	10Hz	Average
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
	Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.				

Test Setup:

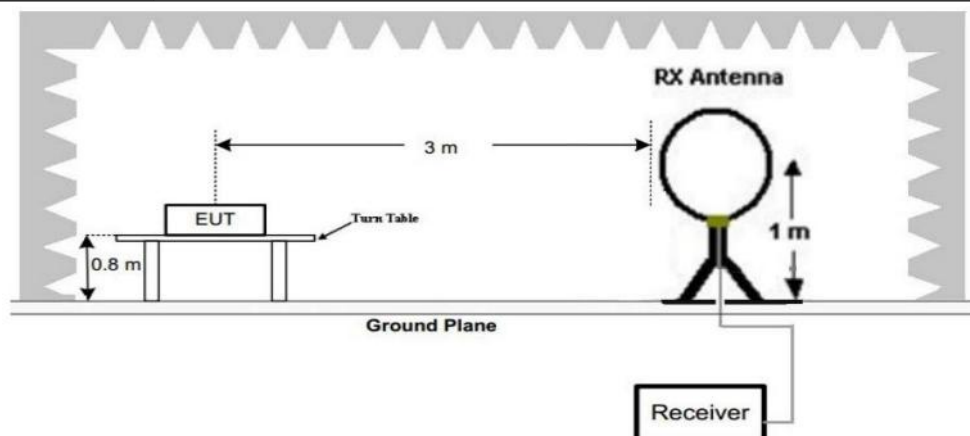


Figure 1. Below 30MHz

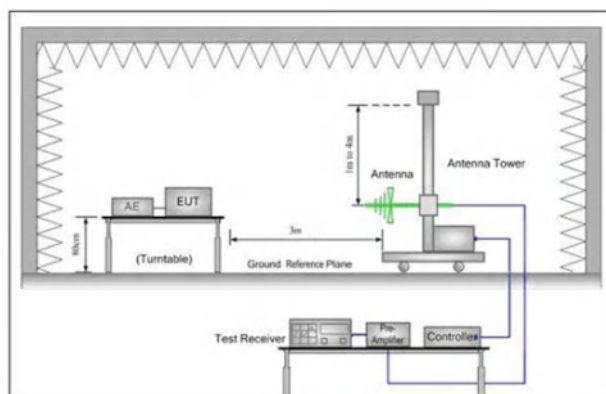


Figure 2. 30MHz to 1GHz

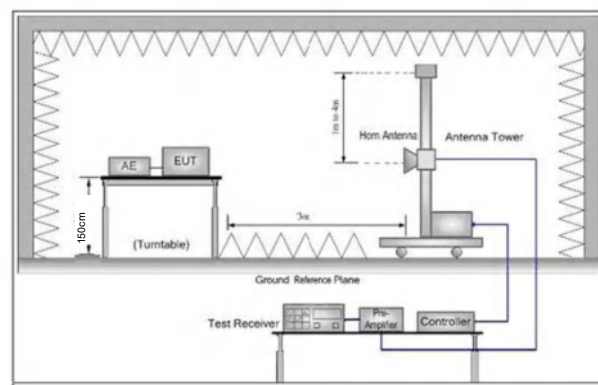


Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
Note: For the radiated emission test above 1GHz: Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

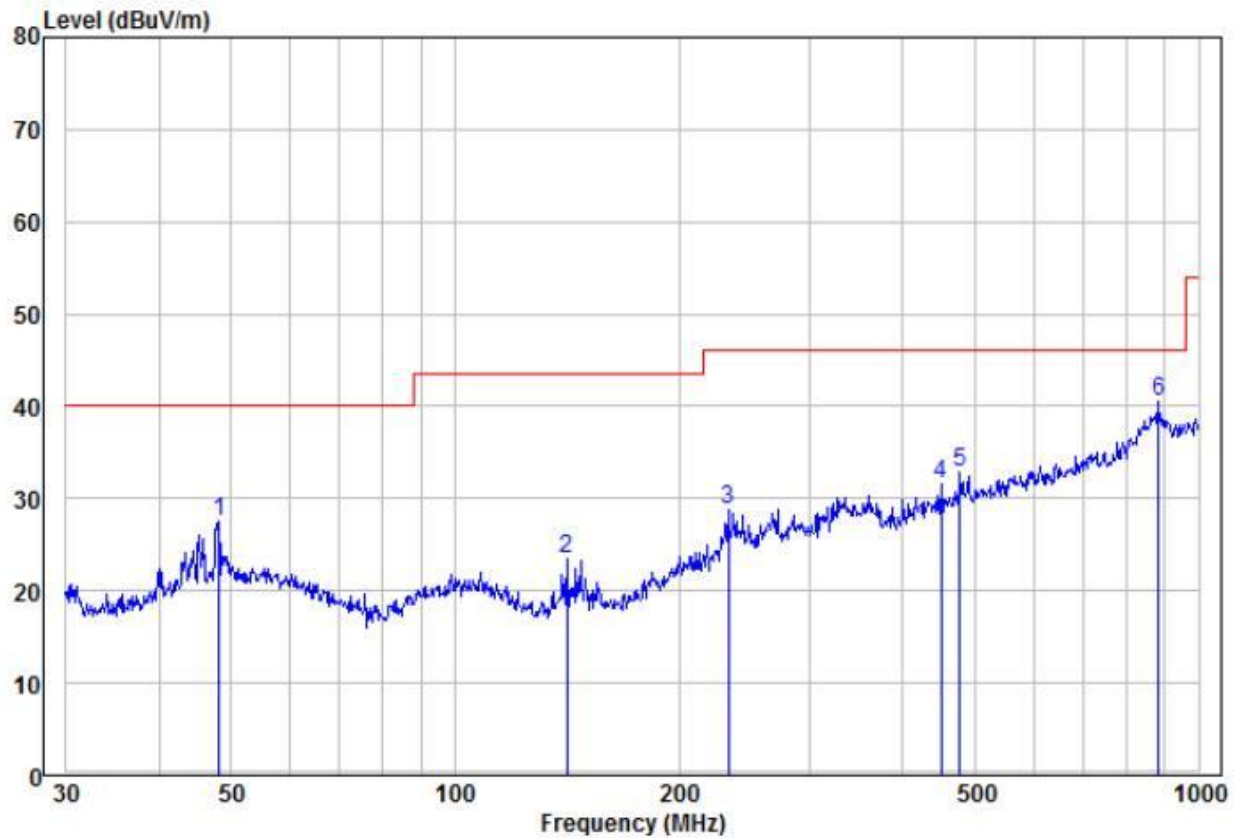
	d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case . i. Repeat above procedures until all frequencies measured was complete.
Exploratory Mode:	Test Transmitting in full-bandwidth single-user mode (Full RU) with all kinds of modulations, and at the lowest, middle, and highest data rates across the channel.
Final Test Mode:	Only the worst case is recorded in the report.
Test Results:	Pass

5.9.1 Radiated emission below 1GHz

30MHz~1GHz

ANT1+ANT2:

Vertical



	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase	APos	TPos
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	48.16	15.14	12.39	27.53	40.00	-12.47	Peak	VERTICAL	100	154
2	141.33	14.97	8.41	23.38	43.50	-20.12	Peak	VERTICAL	100	141
3	233.35	14.27	14.53	28.80	46.00	-17.20	Peak	VERTICAL	100	288
4	451.14	12.11	19.46	31.57	46.00	-14.43	Peak	VERTICAL	100	126
5	477.17	12.57	20.24	32.81	46.00	-13.19	Peak	VERTICAL	100	80
6 pp	884.50	11.53	29.04	40.57	46.00	-5.43	Peak	VERTICAL	100	12

Remark:

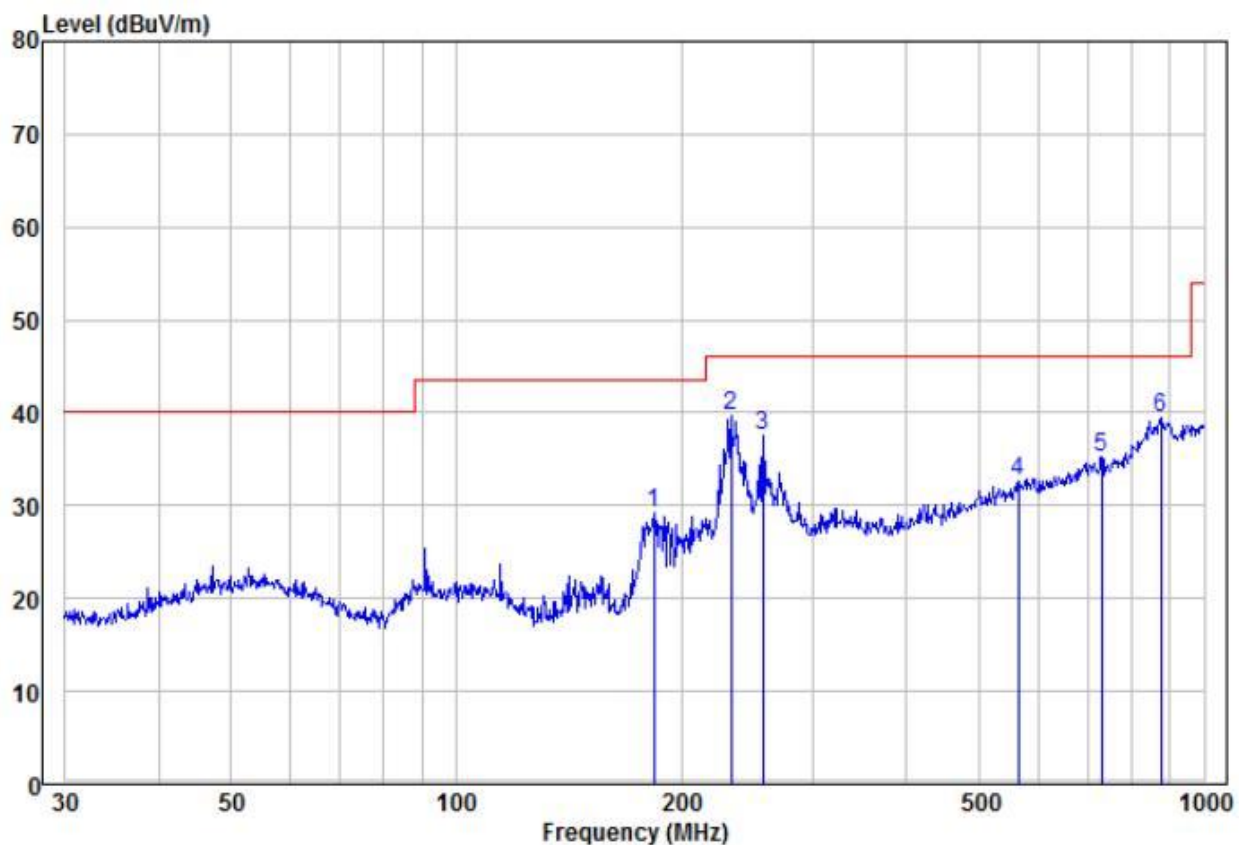
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

Horizontal



	Read			Limit	Over			APos	TPos
Freq	Level	Factor	Level	Line	Limit	Remark	Pol/Phase		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB			cm	deg
1	183.84	18.49	10.73	29.22	43.50	-14.28	Peak	HORIZONTAL	100 96
2	pp	233.35	25.11	14.53	39.64	46.00	-6.36	Peak	HORIZONTAL 100 128
3		257.42	21.64	15.89	37.53	46.00	-8.47	Peak	HORIZONTAL 100 37
4		564.64	10.59	21.96	32.55	46.00	-13.45	Peak	HORIZONTAL 100 108
5		729.36	11.06	24.07	35.13	46.00	-10.87	Peak	HORIZONTAL 100 35
6		875.25	10.64	28.88	39.52	46.00	-6.48	Peak	HORIZONTAL 100 16

Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor= Antenna Factor + Cable Factor – Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.

5.9.2 Transmitter emission above 1GHz

Ant1:

Test mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.84	-4.26	49.58	74	-24.42	peak	H	1.5	126
4824.000	37.58	-4.26	33.32	54	-20.68	AVG	H	1.5	348
7236.000	51.28	1.18	52.46	74	-21.54	peak	H	1.5	353
7236.000	37.38	1.18	38.56	54	-15.44	AVG	H	1.5	135
4824.000	54.55	-4.26	50.29	74	-23.71	peak	V	1.5	72
4824.000	38.26	-4.26	34.00	54	-20.00	AVG	V	1.5	360
7236.000	51.73	1.18	52.91	74	-21.09	peak	V	1.5	84
7236.000	35.80	1.18	36.98	54	-17.02	AVG	V	1.5	251

Test mode:		802.11b(1Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.26	-4.12	48.14	74	-25.86	peak	H	1.5	83
4874.000	37.80	-4.12	33.68	54	-20.32	AVG	H	1.5	202
7311.000	48.46	1.46	49.92	74	-24.08	peak	H	1.5	117
7311.000	35.14	1.46	36.60	54	-17.40	AVG	H	1.5	336
4874.000	53.64	-4.12	49.52	74	-24.48	peak	V	1.5	335
4874.000	36.46	-4.12	32.34	54	-21.66	AVG	V	1.5	154
7311.000	50.22	1.46	51.68	74	-22.32	peak	V	1.5	220
7311.000	36.06	1.46	37.52	54	-16.48	AVG	V	1.5	44

Test mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol. H/V	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)			(m)	(Degree)
4924.000	52.50	-4.03	48.47	74	-25.53	peak	H	1.5	153
4924.000	37.17	-4.03	33.14	54	-20.86	AVG	H	1.5	178
7386.000	51.13	1.66	52.79	74	-21.21	peak	H	1.5	122
7386.000	37.18	1.66	38.84	54	-15.16	AVG	H	1.5	266
4924.000	54.18	-4.03	50.15	74	-23.85	peak	V	1.5	46
4924.000	37.73	-4.03	33.70	54	-20.30	AVG	V	1.5	293
7386.000	50.18	1.66	51.84	74	-22.16	peak	V	1.5	167
7386.000	37.41	1.66	39.07	54	-14.93	AVG	V	1.5	77

Remark:

- 1) The 1Mbps of rate of 802.11b is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.59	-4.26	49.33	74	-24.67	peak	H	1.5	270
4824.000	37.31	-4.26	33.05	54	-20.95	AVG	H	1.5	315
7236.000	51.98	1.18	53.16	74	-20.84	peak	H	1.5	217
7236.000	38.14	1.18	39.32	54	-14.68	AVG	H	1.5	139
4824.000	55.29	-4.26	51.03	74	-22.97	peak	V	1.5	203
4824.000	39.33	-4.26	35.07	54	-18.93	AVG	V	1.5	352
7236.000	51.10	1.18	52.28	74	-21.72	peak	V	1.5	191
7236.000	36.01	1.18	37.19	54	-16.81	AVG	V	1.5	117

Test mode:		802.11g(6Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.11	-4.12	47.99	74	-26.01	peak	H	1.5	294
4874.000	37.80	-4.12	33.68	54	-20.32	AVG	H	1.5	326
7311.000	49.54	1.46	51.00	74	-23.00	peak	H	1.5	246
7311.000	36.84	1.46	38.30	54	-15.70	AVG	H	1.5	340
4874.000	53.38	-4.12	49.26	74	-24.74	peak	V	1.5	190
4874.000	36.94	-4.12	32.82	54	-21.18	AVG	V	1.5	118
7311.000	49.92	1.46	51.38	74	-22.62	peak	V	1.5	215
7311.000	36.27	1.46	37.73	54	-16.27	AVG	V	1.5	46

Test mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol. H/V	Antenna Height (m)	Table Angle (Degree)
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)				
4924.000	52.31	-4.03	48.28	74	-25.72	peak	H	1.5	296
4924.000	38.23	-4.03	34.20	54	-19.80	AVG	H	1.5	147
7386.000	49.98	1.66	51.64	74	-22.36	peak	H	1.5	351
7386.000	36.83	1.66	38.49	54	-15.51	AVG	H	1.5	130
4924.000	53.78	-4.03	49.75	74	-24.25	peak	V	1.5	342
4924.000	37.97	-4.03	33.94	54	-20.06	AVG	V	1.5	15
7386.000	50.73	1.66	52.39	74	-21.61	peak	V	1.5	156
7386.000	37.87	1.66	39.53	54	-14.47	AVG	V	1.5	151

Remark:

- 1) The 6Mbps of rate of 802.11g is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz,The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Ant2:

Test mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
4824.000	53.25	-4.26	48.99	74	-25.01	peak	H	1.5	199
4824.000	36.35	-4.26	32.09	54	-21.91	AVG	H	1.5	341
7236.000	50.38	1.18	51.56	74	-22.44	peak	H	1.5	162
7236.000	37.89	1.18	39.07	54	-14.93	AVG	H	1.5	254
4824.000	54.36	-4.26	50.10	74	-23.90	peak	V	1.5	1
4824.000	39.81	-4.26	35.55	54	-18.45	AVG	V	1.5	351
7236.000	51.98	1.18	53.16	74	-20.84	peak	V	1.5	330
7236.000	36.73	1.18	37.91	54	-16.09	AVG	V	1.5	282

Test mode:		802.11b(1Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
4874.000	53.19	-4.12	49.07	74	-24.93	peak	H	1.5	97
4874.000	37.12	-4.12	33.00	54	-21.00	AVG	H	1.5	265
7311.000	49.64	1.46	51.10	74	-22.90	peak	H	1.5	151
7311.000	36.35	1.46	37.81	54	-16.19	AVG	H	1.5	191
4874.000	53.34	-4.12	49.22	74	-24.78	peak	V	1.5	87
4874.000	36.14	-4.12	32.02	54	-21.98	AVG	V	1.5	329
7311.000	50.04	1.46	51.50	74	-22.50	peak	V	1.5	328
7311.000	35.89	1.46	37.35	54	-16.65	AVG	V	1.5	162

Test mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	51.45	-4.03	47.42	74	-26.58	peak	H	1.5	312
4924.000	38.96	-4.03	34.93	54	-19.07	AVG	H	1.5	114
7386.000	50.90	1.66	52.56	74	-21.44	peak	H	1.5	297
7386.000	37.77	1.66	39.43	54	-14.57	AVG	H	1.5	15
4924.000	54.59	-4.03	50.56	74	-23.44	peak	V	1.5	329
4924.000	38.92	-4.03	34.89	54	-19.11	AVG	V	1.5	234
7386.000	49.60	1.66	51.26	74	-22.74	peak	V	1.5	270
7386.000	36.32	1.66	37.98	54	-16.02	AVG	V	1.5	121

Remark:

- 1) The 1Mbps of rate of 802.11b is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.57	-4.26	49.31	74	-24.69	peak	H	1.5	59
4824.000	36.72	-4.26	32.46	54	-21.54	AVG	H	1.5	160
7236.000	50.24	1.18	51.42	74	-22.58	peak	H	1.5	12
7236.000	37.31	1.18	38.49	54	-15.51	AVG	H	1.5	209
4824.000	55.03	-4.26	50.77	74	-23.23	peak	V	1.5	36
4824.000	38.97	-4.26	34.71	54	-19.29	AVG	V	1.5	295
7236.000	50.89	1.18	52.07	74	-21.93	peak	V	1.5	262
7236.000	36.85	1.18	38.03	54	-15.97	AVG	V	1.5	255

Test mode:		802.11g(6Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.15	-4.12	48.03	74	-25.97	peak	H	1.5	236
4874.000	36.46	-4.12	32.34	54	-21.66	AVG	H	1.5	258
7311.000	50.16	1.46	51.62	74	-22.38	peak	H	1.5	346
7311.000	35.88	1.46	37.34	54	-16.66	AVG	H	1.5	9
4874.000	52.82	-4.12	48.70	74	-25.30	peak	V	1.5	40
4874.000	37.90	-4.12	33.78	54	-20.22	AVG	V	1.5	286
7311.000	48.36	1.46	49.82	74	-24.18	peak	V	1.5	229
7311.000	35.89	1.46	37.35	54	-16.65	AVG	V	1.5	243

Test mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol. H/V	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)			(m)	(Degree)
4924.000	51.58	-4.03	47.55	74	-26.45	peak	H	1.5	345
4924.000	38.09	-4.03	34.06	54	-19.94	AVG	H	1.5	191
7386.000	50.15	1.66	51.81	74	-22.19	peak	H	1.5	257
7386.000	37.50	1.66	39.16	54	-14.84	AVG	H	1.5	287
4924.000	53.93	-4.03	49.90	74	-24.10	peak	V	1.5	143
4924.000	37.78	-4.03	33.75	54	-20.25	AVG	V	1.5	246
7386.000	51.18	1.66	52.84	74	-21.16	peak	V	1.5	93
7386.000	36.98	1.66	38.64	54	-15.36	AVG	V	1.5	275

Remark:

- 1) The 6Mbps of rate of 802.11g is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Ant1+ANT2:

Test mode:		802.11n20(13Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	53.77	-4.26	49.51	74	-24.49	peak	H	1.5	298
4824.000	36.17	-4.26	31.91	54	-22.09	AVG	H	1.5	253
7236.000	51.75	1.18	52.93	74	-21.07	peak	H	1.5	347
7236.000	37.49	1.18	38.67	54	-15.33	AVG	H	1.5	18
4824.000	54.28	-4.26	50.02	74	-23.98	peak	V	1.5	320
4824.000	39.69	-4.26	35.43	54	-18.57	AVG	V	1.5	58
7236.000	52.23	1.18	53.41	74	-20.59	peak	V	1.5	180
7236.000	35.98	1.18	37.16	54	-16.84	AVG	V	1.5	321

Test mode:		802.11n20(13Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.86	-4.12	48.74	74	-25.26	peak	H	1.5	23
4874.000	36.72	-4.12	32.60	54	-21.40	AVG	H	1.5	214
7311.000	50.22	1.46	51.68	74	-22.32	peak	H	1.5	287
7311.000	36.60	1.46	38.06	54	-15.94	AVG	H	1.5	293
4874.000	52.55	-4.12	48.43	74	-25.57	peak	V	1.5	72
4874.000	37.15	-4.12	33.03	54	-20.97	AVG	V	1.5	341
7311.000	49.61	1.46	51.07	74	-22.93	peak	V	1.5	338
7311.000	35.51	1.46	36.97	54	-17.03	AVG	V	1.5	70

Test mode:		802.11n20(13Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4924.000	52.98	-4.03	48.95	74	-25.05	peak	H	1.5	238
4924.000	37.14	-4.03	33.11	54	-20.89	AVG	H	1.5	140
7386.000	50.14	1.66	51.80	74	-22.20	peak	H	1.5	194
7386.000	37.78	1.66	39.44	54	-14.56	AVG	H	1.5	355
4924.000	53.73	-4.03	49.70	74	-24.30	peak	V	1.5	178
4924.000	37.00	-4.03	32.97	54	-21.03	AVG	V	1.5	287
7386.000	50.68	1.66	52.34	74	-21.66	peak	V	1.5	162
7386.000	37.85	1.66	39.51	54	-14.49	AVG	V	1.5	5

Remark:

- 1) The MCS0 of rate of 802.11n20 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11n40(27Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4844.000	54.13	-4.24	49.89	74	-24.11	peak	H	1.5	184
4844.000	37.44	-4.24	33.20	54	-20.80	AVG	H	1.5	49
7266.000	50.57	1.2	51.77	74	-22.23	peak	H	1.5	12
7266.000	37.43	1.2	38.63	54	-15.37	AVG	H	1.5	83
4844.000	55.88	-4.24	51.64	74	-22.36	peak	V	1.5	164
4844.000	39.29	-4.24	35.05	54	-18.95	AVG	V	1.5	250
7266.000	51.67	1.2	52.87	74	-21.13	peak	V	1.5	279
7266.000	36.76	1.2	37.96	54	-16.04	AVG	V	1.5	119

Test mode:		802.11n40(27Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.51	-4.12	48.39	74	-25.61	peak	H	1.5	162
4874.000	36.25	-4.12	32.13	54	-21.87	AVG	H	1.5	152
7311.000	49.30	1.46	50.76	74	-23.24	peak	H	1.5	226
7311.000	36.56	1.46	38.02	54	-15.98	AVG	H	1.5	143
4874.000	53.32	-4.12	49.20	74	-24.80	peak	V	1.5	212
4874.000	35.98	-4.12	31.86	54	-22.14	AVG	V	1.5	226
7311.000	48.98	1.46	50.44	74	-23.56	peak	V	1.5	62
7311.000	36.56	1.46	38.02	54	-15.98	AVG	V	1.5	259

Test mode:		802.11n40(27Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4904.000	53.77	-4.05	49.72	74	-24.28	peak	H	1.5	225
4904.000	37.63	-4.05	33.58	54	-20.42	AVG	H	1.5	304
7356.000	50.61	1.64	52.25	74	-21.75	peak	H	1.5	150
7356.000	38.07	1.64	39.71	54	-14.29	AVG	H	1.5	38
4904.000	55.63	-4.05	51.58	74	-22.42	peak	V	1.5	99
4904.000	38.93	-4.05	34.88	54	-19.12	AVG	V	1.5	269
7356.000	50.61	1.64	52.25	74	-21.75	peak	V	1.5	250
7356.000	35.90	1.64	37.54	54	-16.46	AVG	V	1.5	131

Remark:

- 1) The MCS0 of rate of 802.11n40 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11ax20(17.2Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4824.000	52.41	-4.26	48.15	74	-25.85	peak	H	1.5	170
4824.000	37.42	-4.26	33.16	54	-20.84	AVG	H	1.5	77
7236.000	51.24	1.18	52.42	74	-21.58	peak	H	1.5	111
7236.000	38.48	1.18	39.66	54	-14.34	AVG	H	1.5	112
4824.000	55.99	-4.26	51.73	74	-22.27	peak	V	1.5	147
4824.000	38.39	-4.26	34.13	54	-19.87	AVG	V	1.5	339
7236.000	50.71	1.18	51.89	74	-22.11	peak	V	1.5	360
7236.000	35.87	1.18	37.05	54	-16.95	AVG	V	1.5	222

Test mode:		802.11ax20(17.2Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.77	-4.12	48.65	74	-25.35	peak	H	1.5	23
4874.000	37.11	-4.12	32.99	54	-21.01	AVG	H	1.5	358
7311.000	48.88	1.46	50.34	74	-23.66	peak	H	1.5	352
7311.000	36.23	1.46	37.69	54	-16.31	AVG	H	1.5	105
4874.000	52.39	-4.12	48.27	74	-25.73	peak	V	1.5	107
4874.000	36.52	-4.12	32.40	54	-21.60	AVG	V	1.5	204
7311.000	49.79	1.46	51.25	74	-22.75	peak	V	1.5	266
7311.000	36.36	1.46	37.82	54	-16.18	AVG	V	1.5	282

Test mode:		802.11ax20(17.2Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol. H/V	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)			(m)	(Degree)
4924.000	51.35	-4.03	47.32	74	-26.68	peak	H	1.5	15
4924.000	38.56	-4.03	34.53	54	-19.47	AVG	H	1.5	231
7386.000	51.08	1.66	52.74	74	-21.26	peak	H	1.5	156
7386.000	37.89	1.66	39.55	54	-14.45	AVG	H	1.5	110
4924.000	53.30	-4.03	49.27	74	-24.73	peak	V	1.5	87
4924.000	38.42	-4.03	34.39	54	-19.61	AVG	V	1.5	77
7386.000	49.99	1.66	51.65	74	-22.35	peak	V	1.5	42
7386.000	36.44	1.66	38.10	54	-15.90	AVG	V	1.5	228

Remark:

- 1) The MCS0 of rate of 802.11ax20 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

Test mode:		802.11ax40(34.4Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4844.000	53.09	-4.24	48.85	74	-25.15	peak	H	1.5	225
4844.000	36.04	-4.24	31.80	54	-22.20	AVG	H	1.5	304
7266.000	50.93	1.2	52.13	74	-21.87	peak	H	1.5	89
7266.000	38.65	1.2	39.85	54	-14.15	AVG	H	1.5	245
4844.000	55.78	-4.24	51.54	74	-22.46	peak	V	1.5	144
4844.000	38.45	-4.24	34.21	54	-19.79	AVG	V	1.5	241
7266.000	51.68	1.2	52.88	74	-21.12	peak	V	1.5	58
7266.000	36.98	1.2	38.18	54	-15.82	AVG	V	1.5	284

Test mode:		802.11ax40(34.4Mbps)		Test channel:		Middle			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4874.000	52.74	-4.12	48.62	74	-25.38	peak	H	1.5	34
4874.000	37.75	-4.12	33.63	54	-20.37	AVG	H	1.5	296
7311.000	50.07	1.46	51.53	74	-22.47	peak	H	1.5	183
7311.000	35.20	1.46	36.66	54	-17.34	AVG	H	1.5	206
4874.000	52.91	-4.12	48.79	74	-25.21	peak	V	1.5	188
4874.000	37.52	-4.12	33.40	54	-20.60	AVG	V	1.5	20
7311.000	49.49	1.46	50.95	74	-23.05	peak	V	1.5	338
7311.000	36.12	1.46	37.58	54	-16.42	AVG	V	1.5	133

Test mode:		802.11ax40(34.4Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detect or Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
4904.000	53.45	-4.05	49.40	74	-24.60	peak	H	1.5	233
4904.000	37.98	-4.05	33.93	54	-20.07	AVG	H	1.5	77
7356.000	52.08	1.64	53.72	74	-20.28	peak	H	1.5	93
7356.000	37.00	1.64	38.64	54	-15.36	AVG	H	1.5	279
4904.000	54.63	-4.05	50.58	74	-23.42	peak	V	1.5	327
4904.000	39.36	-4.05	35.31	54	-18.69	AVG	V	1.5	193
7356.000	51.52	1.64	53.16	74	-20.84	peak	V	1.5	315
7356.000	36.17	1.64	37.81	54	-16.19	AVG	V	1.5	77

Remark:

- 1) The MCS0 of rate of 802.11ax40 is the worst case.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

5.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
Test Method:	ANSI C63.10 2020		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test Setup:

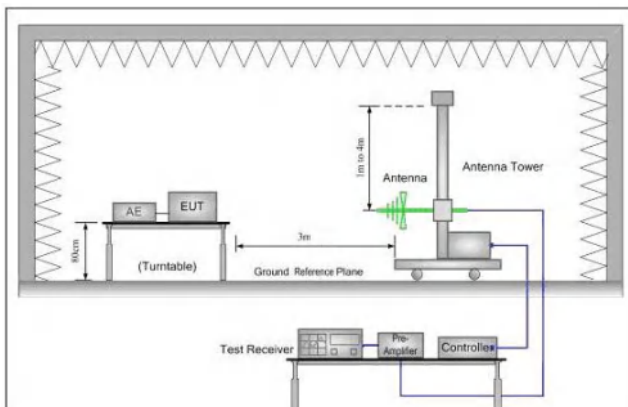


Figure 1. 30MHz to 1GHz

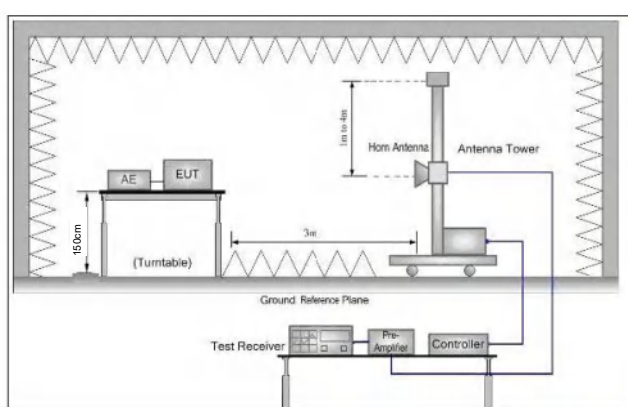


Figure 2. Above 1 GHz

Test Procedure:

- 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- Note: For the radiated emission test above 1GHz:
- Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
 - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
 - For each suspected emission, the EUT was arranged to its worst case and

	then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel g. Test the EUT in the lowest channel, the middle channel, the Highest channel. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case . i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting in full-bandwidth single-user mode (Full RU) with all kinds of modulations, and at the lowest, middle, and highest data rates across the channel.
Final Test Mode:	Pretest the EUT at Transmitting mode, found the Transmitting mode which it is worse case. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40), 8.6Mbps of rate is the worst case of 802.11ax(HE20); 17.2Mbps of rate is the worst case of 802.11ax(HE40). Only the worst case is recorded in the report.
Test Results:	Pass

Test data:
ANT1:

Worse case mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.81	-9.2	49.61	74	-24.39	peak	H	1.5	180
2390.000	44.05	-9.2	34.85	54	-19.15	AVG	H	1.5	95
2400.000	60.02	-9.39	50.63	74	-23.37	peak	H	1.5	322
2400.000	46.34	-9.39	36.95	54	-17.05	AVG	H	1.5	238
2390.000	58.42	-9.2	49.22	74	-24.78	peak	V	1.5	45
2390.000	44.77	-9.2	35.57	54	-18.43	AVG	V	1.5	167
2400.000	59.87	-9.39	50.48	74	-23.52	peak	V	1.5	304
2400.000	46.05	-9.39	36.66	54	-17.34	AVG	V	1.5	227

Worse case mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.10	-9.29	48.81	74	-25.19	peak	H	1.5	28
2483.500	43.89	-9.29	34.60	54	-19.40	AVG	H	1.5	347
2483.500	57.90	-9.29	48.61	74	-25.39	peak	V	1.5	96
2483.500	45.91	-9.29	36.62	54	-17.38	AVG	V	1.5	225

Worse case mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.40	-9.2	49.20	74	-24.80	peak	H	1.5	27
2390.000	44.30	-9.2	35.10	54	-18.90	AVG	H	1.5	200
2400.000	59.62	-9.39	50.23	74	-23.77	peak	H	1.5	226
2400.000	46.41	-9.39	37.02	54	-16.98	AVG	H	1.5	327
2390.000	59.18	-9.2	49.98	74	-24.02	peak	V	1.5	18
2390.000	44.16	-9.2	34.96	54	-19.04	AVG	V	1.5	328
2400.000	59.69	-9.39	50.30	74	-23.70	peak	V	1.5	210
2400.000	46.14	-9.39	36.75	54	-17.25	AVG	V	1.5	249

Worse case mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.43	-9.29	49.14	74	-24.86	peak	H	1.5	5
2483.500	44.18	-9.29	34.89	54	-19.11	AVG	H	1.5	231
2483.500	57.75	-9.29	48.46	74	-25.54	peak	V	1.5	1
2483.500	46.37	-9.29	37.08	54	-16.92	AVG	V	1.5	85

ANT2:

Worse case mode:		802.11b(1Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.36	-9.2	49.16	74	-24.84	peak	H	1.5	303
2390.000	44.78	-9.2	35.58	54	-18.42	AVG	H	1.5	340
2400.000	60.24	-9.39	50.85	74	-23.15	peak	H	1.5	141
2400.000	46.60	-9.39	37.21	54	-16.79	AVG	H	1.5	165
2390.000	59.04	-9.2	49.84	74	-24.16	peak	V	1.5	250
2390.000	44.76	-9.2	35.56	54	-18.44	AVG	V	1.5	79
2400.000	59.99	-9.39	50.60	74	-23.40	peak	V	1.5	277
2400.000	46.97	-9.39	37.58	54	-16.42	AVG	V	1.5	120

Worse case mode:		802.11b(1Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	57.66	-9.29	48.37	74	-25.63	peak	H	1.5	3
2483.500	43.58	-9.29	34.29	54	-19.71	AVG	H	1.5	213
2483.500	58.43	-9.29	49.14	74	-24.86	peak	V	1.5	253
2483.500	45.75	-9.29	36.46	54	-17.54	AVG	V	1.5	196

Worse case mode:		802.11g(6Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2390.000	59.20	-9.2	50.00	74	-24.00	peak	H	1.5	153
2390.000	43.99	-9.2	34.79	54	-19.21	AVG	H	1.5	100
2400.000	60.02	-9.39	50.63	74	-23.37	peak	H	1.5	172
2400.000	46.66	-9.39	37.27	54	-16.73	AVG	H	1.5	125
2390.000	58.36	-9.2	49.16	74	-24.84	peak	V	1.5	358
2390.000	44.60	-9.2	35.40	54	-18.60	AVG	V	1.5	112
2400.000	59.60	-9.39	50.21	74	-23.79	peak	V	1.5	292
2400.000	46.59	-9.39	37.20	54	-16.80	AVG	V	1.5	205

Worse case mode:		802.11g(6Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector Type	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)		H/V	(m)	(Degree)
2483.500	57.46	-9.29	48.17	74	-25.83	peak	H	1.5	293
2483.500	43.79	-9.29	34.50	54	-19.50	AVG	H	1.5	77
2483.500	57.80	-9.29	48.51	74	-25.49	peak	V	1.5	238
2483.500	46.44	-9.29	37.15	54	-16.85	AVG	V	1.5	1

ANT1+ANT2:

Worse case mode:		802.11n(HT20)(13Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	59.12	-9.2	49.92	74	-24.08	peak	H	1.5	158
2390.000	43.99	-9.2	34.79	54	-19.21	AVG	H	1.5	328
2400.000	60.19	-9.39	50.80	74	-23.20	peak	H	1.5	250
2400.000	46.12	-9.39	36.73	54	-17.27	AVG	H	1.5	84
2390.000	59.03	-9.2	49.83	74	-24.17	peak	V	1.5	162
2390.000	44.14	-9.2	34.94	54	-19.06	AVG	V	1.5	111
2400.000	60.11	-9.39	50.72	74	-23.28	peak	V	1.5	101
2400.000	46.10	-9.39	36.71	54	-17.29	AVG	V	1.5	193

Worse case mode:		802.11n(HT20)(13Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.13	-9.29	48.84	74	-25.16	peak	H	1.5	154
2483.500	44.38	-9.29	35.09	54	-18.91	AVG	H	1.5	198
2483.500	58.13	-9.29	48.84	74	-25.16	peak	V	1.5	339
2483.500	46.10	-9.29	36.81	54	-17.19	AVG	V	1.5	183

Worse case mode:		802.11n(HT40)(27Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	59.00	-9.2	49.80	74	-24.20	peak	H	1.5	110
2390.000	44.30	-9.2	35.10	54	-18.90	AVG	H	1.5	247
2400.000	59.55	-9.39	50.16	74	-23.84	peak	H	1.5	77
2400.000	46.01	-9.39	36.62	54	-17.38	AVG	H	1.5	228
2390.000	58.60	-9.2	49.40	74	-24.60	peak	V	1.5	20
2390.000	44.45	-9.2	35.25	54	-18.75	AVG	V	1.5	229
2400.000	60.09	-9.39	50.70	74	-23.30	peak	V	1.5	193
2400.000	46.08	-9.39	36.69	54	-17.31	AVG	V	1.5	238

Worse case mode:		802.11n(HT40)(27Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	57.83	-9.29	48.54	74	-25.46	peak	H	1.5	319
2483.500	44.16	-9.29	34.87	54	-19.13	AVG	H	1.5	70
2483.500	58.16	-9.29	48.87	74	-25.13	peak	V	1.5	295
2483.500	46.39	-9.29	37.10	54	-16.90	AVG	V	1.5	168

Worse case mode:		802.11ax(HE20)(17.2Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.96	-9.2	49.76	74	-24.24	peak	H	1.5	63
2390.000	44.59	-9.2	35.39	54	-18.61	AVG	H	1.5	333
2400.000	59.38	-9.39	49.99	74	-24.01	peak	H	1.5	289
2400.000	46.90	-9.39	37.51	54	-16.49	AVG	H	1.5	260
2390.000	58.66	-9.2	49.46	74	-24.54	peak	V	1.5	33
2390.000	44.30	-9.2	35.10	54	-18.90	AVG	V	1.5	50
2400.000	59.63	-9.39	50.24	74	-23.76	peak	V	1.5	59
2400.000	46.82	-9.39	37.43	54	-16.57	AVG	V	1.5	183

Worse case mode:		802.11ax(HE20)(17.2Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	57.44	-9.29	48.15	74	-25.85	peak	H	1.5	301
2483.500	44.07	-9.29	34.78	54	-19.22	AVG	H	1.5	51
2483.500	57.60	-9.29	48.31	74	-25.69	peak	V	1.5	119
2483.500	45.84	-9.29	36.55	54	-17.45	AVG	V	1.5	293

Worse case mode:		802.11ax(HE40)(34.4Mbps)		Test channel:		Lowest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2390.000	58.35	-9.2	49.15	74	-24.85	peak	H	1.5	318
2390.000	44.88	-9.2	35.68	54	-18.32	AVG	H	1.5	270
2400.000	60.20	-9.39	50.81	74	-23.19	peak	H	1.5	22
2400.000	46.93	-9.39	37.54	54	-16.46	AVG	H	1.5	213
2390.000	58.24	-9.2	49.04	74	-24.96	peak	V	1.5	73
2390.000	44.48	-9.2	35.28	54	-18.72	AVG	V	1.5	303
2400.000	60.08	-9.39	50.69	74	-23.31	peak	V	1.5	143
2400.000	46.72	-9.39	37.33	54	-16.67	AVG	V	1.5	279

Worse case mode:		802.11ax(HE40)(34.4Mbps)		Test channel:		Highest			
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.	Antenna Height	Table Angle
(MHz)	(dBμV)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	Type	H/V	(m)	(Degree)
2483.500	58.17	-9.29	48.88	74	-25.12	peak	H	1.5	340
2483.500	43.77	-9.29	34.48	54	-19.52	AVG	H	1.5	241
2483.500	58.14	-9.29	48.85	74	-25.15	peak	V	1.5	316
2483.500	46.37	-9.29	37.08	54	-16.92	AVG	V	1.5	324

Note:

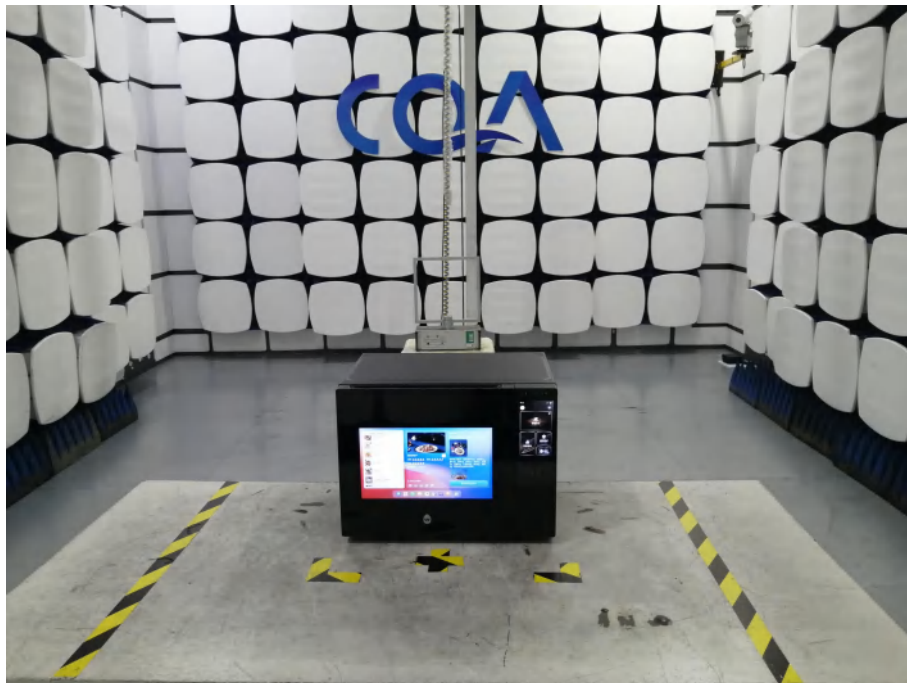
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

6 Photographs - EUT Test Setup

6.1 Radiated Spurious Emission

9kHz~30MHz:



30MHz~1GHz:



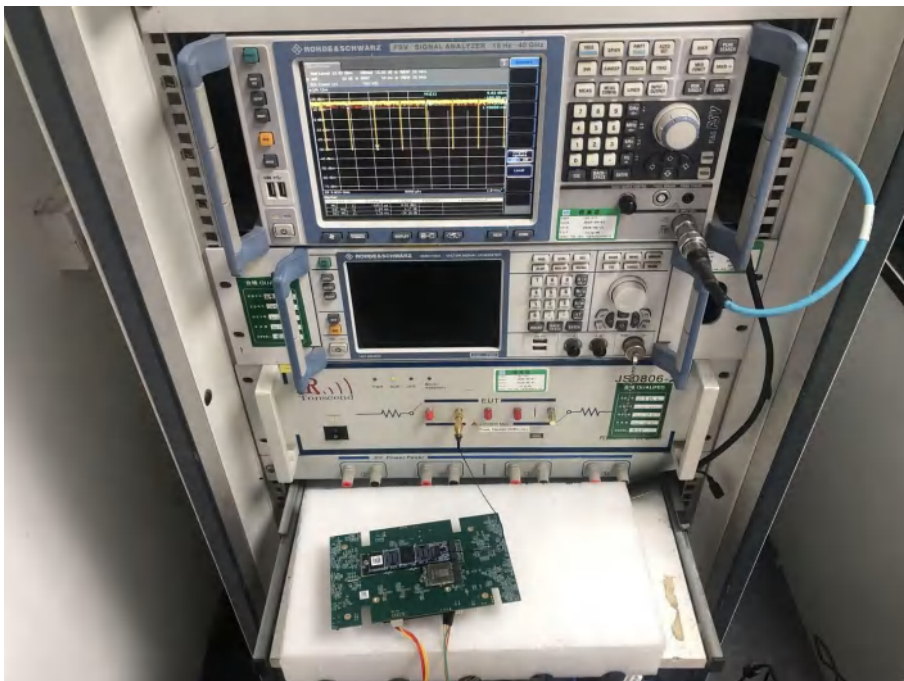
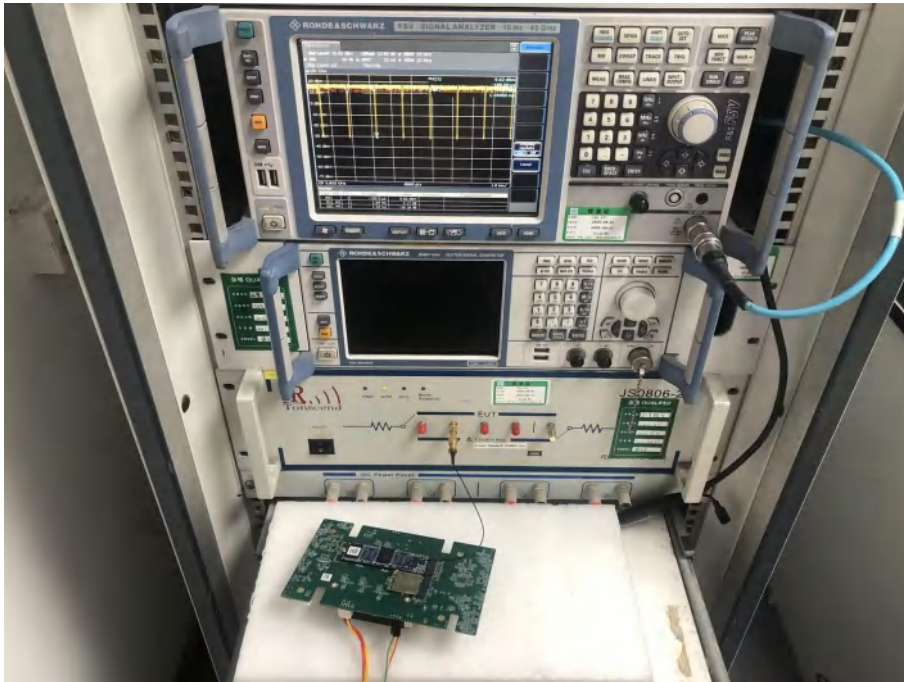
Above 1GHz:



6.2 Conducted Emission



6.3 RF Conducted measurement

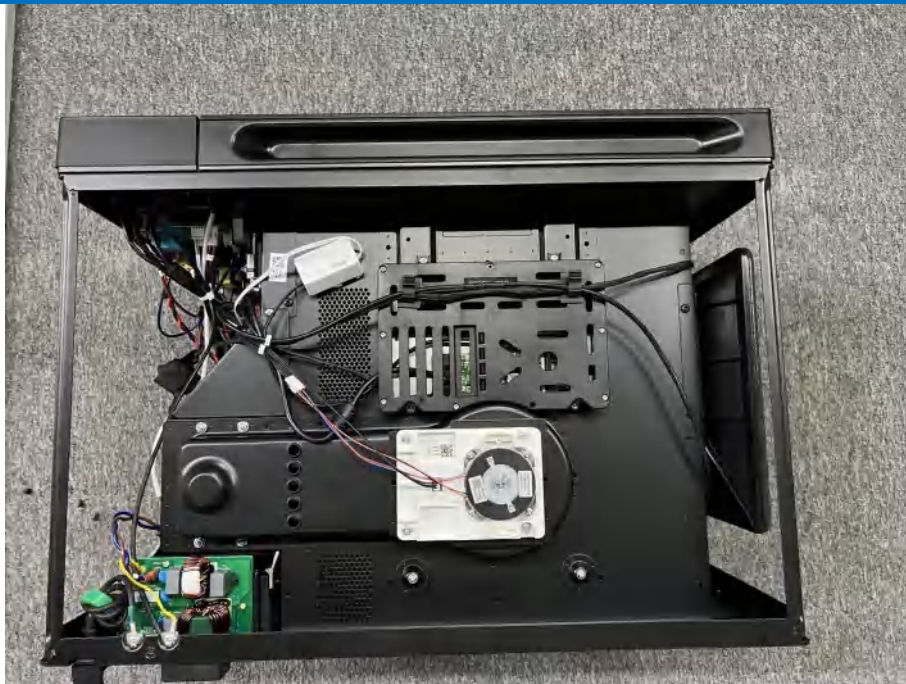


7 Photographs - EUT Constructional Details

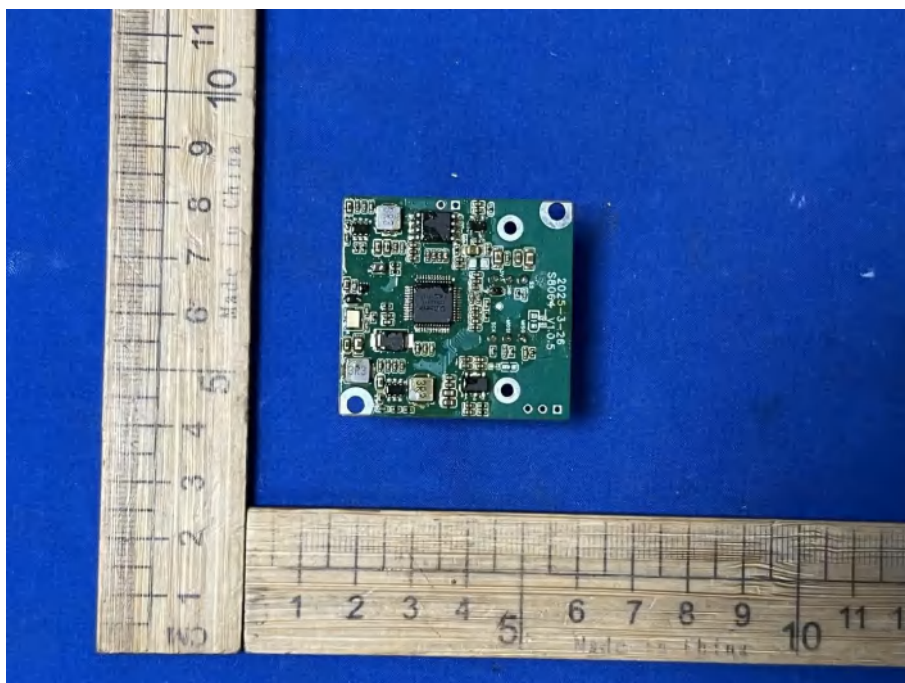
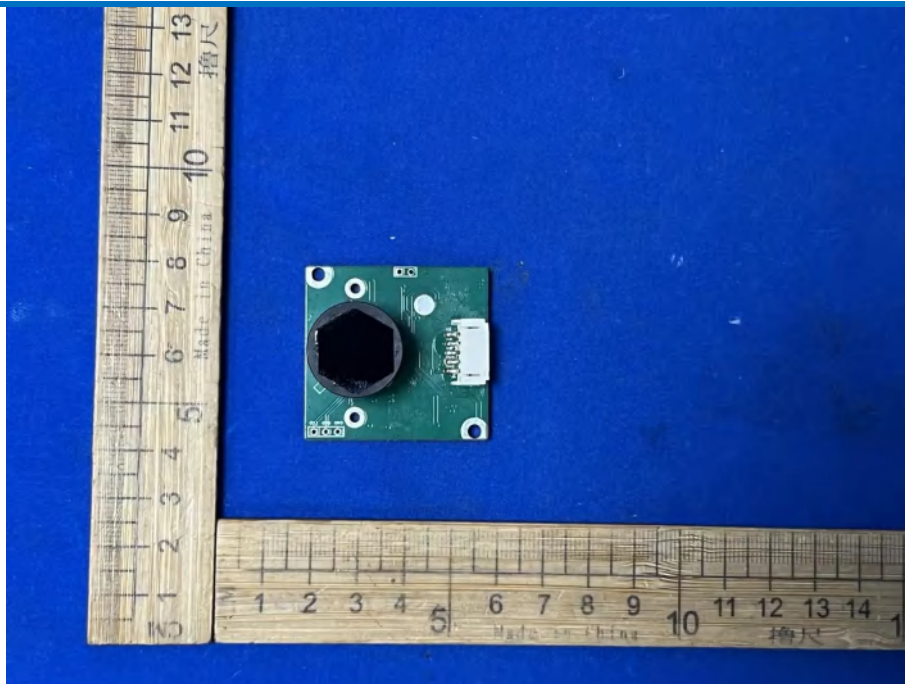


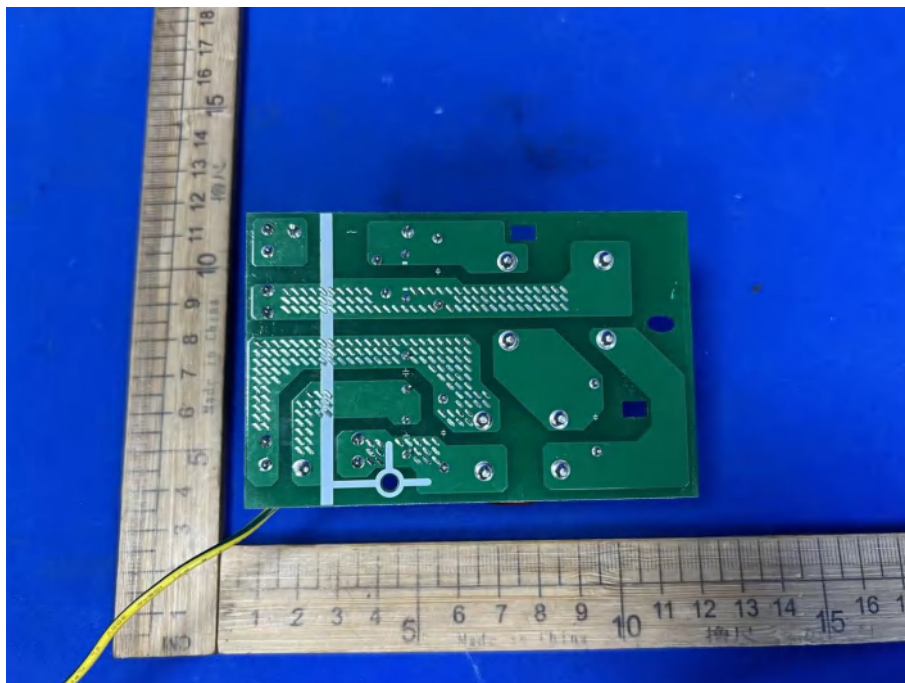


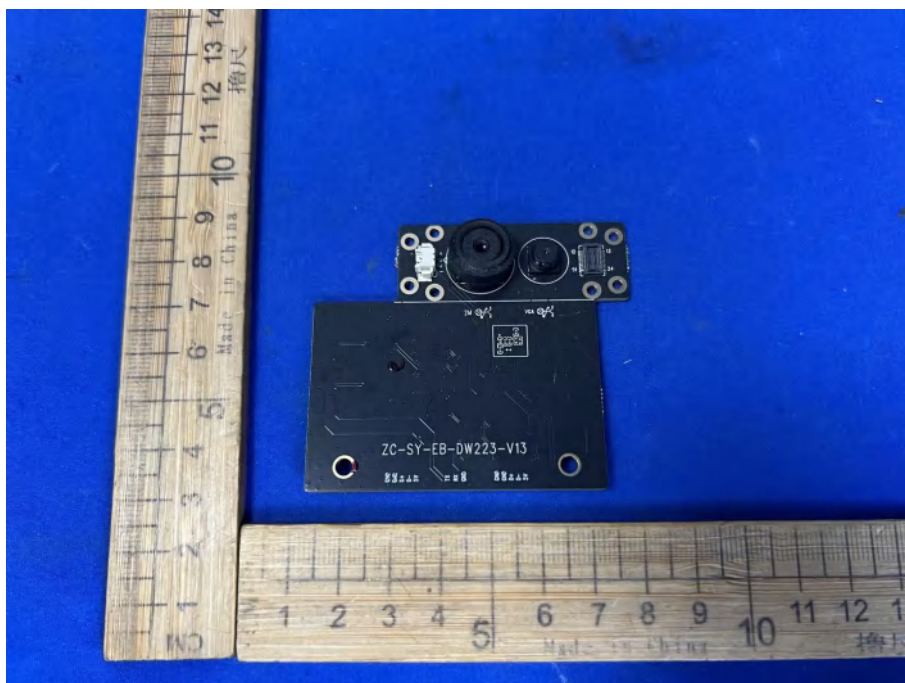
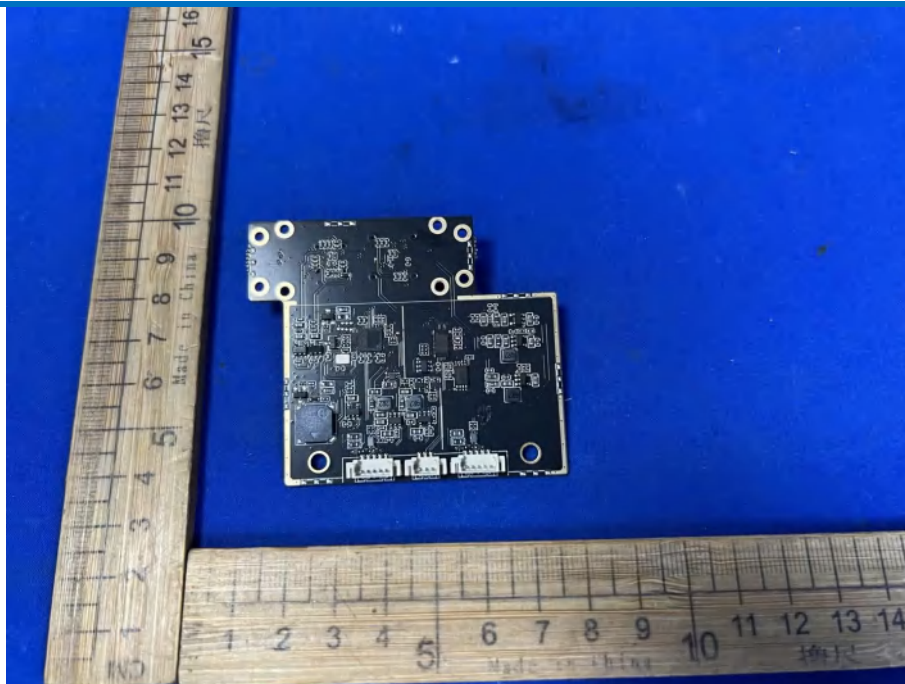


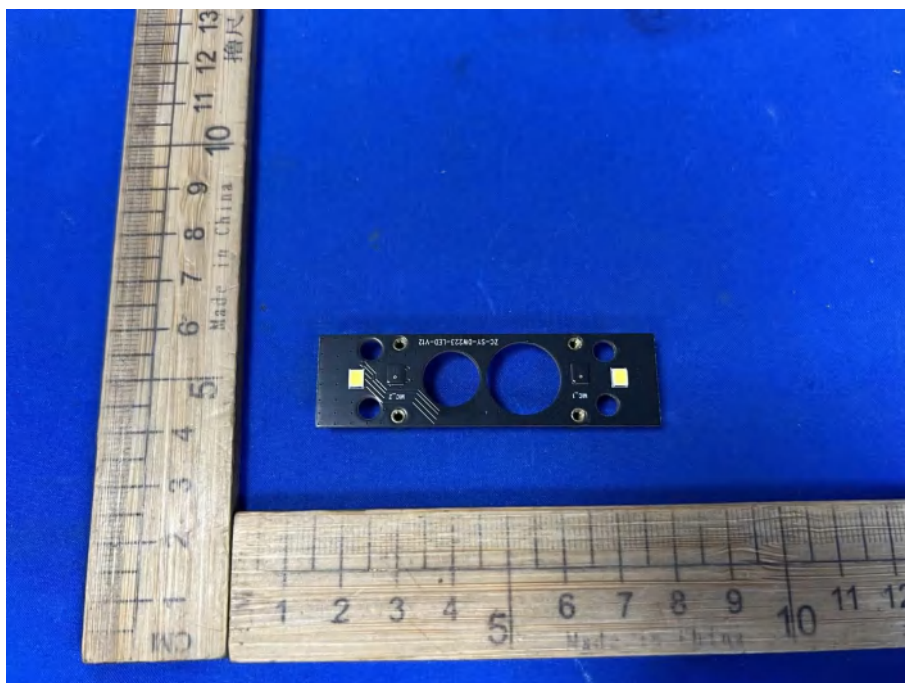
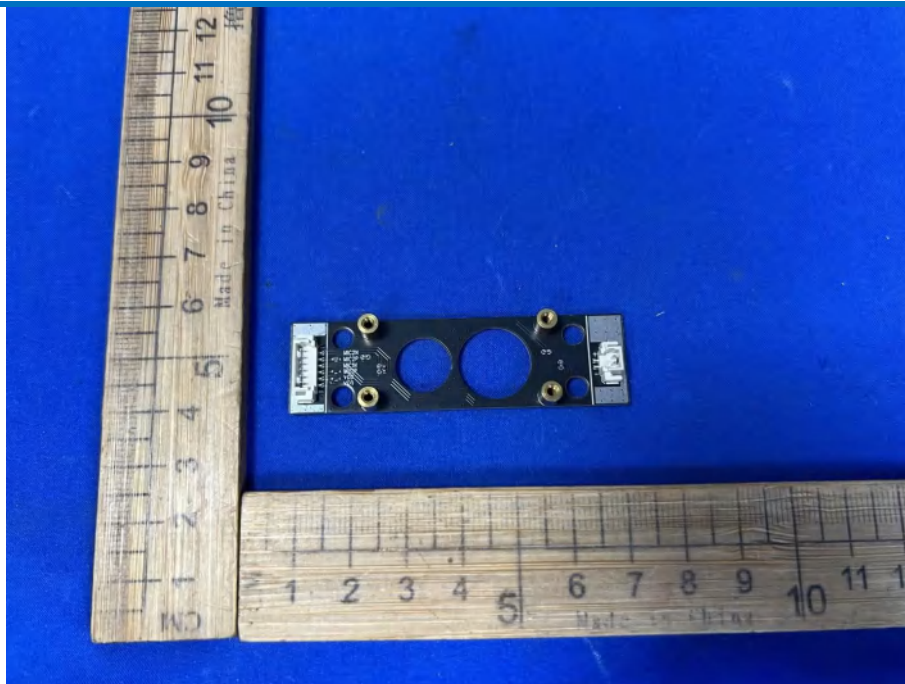


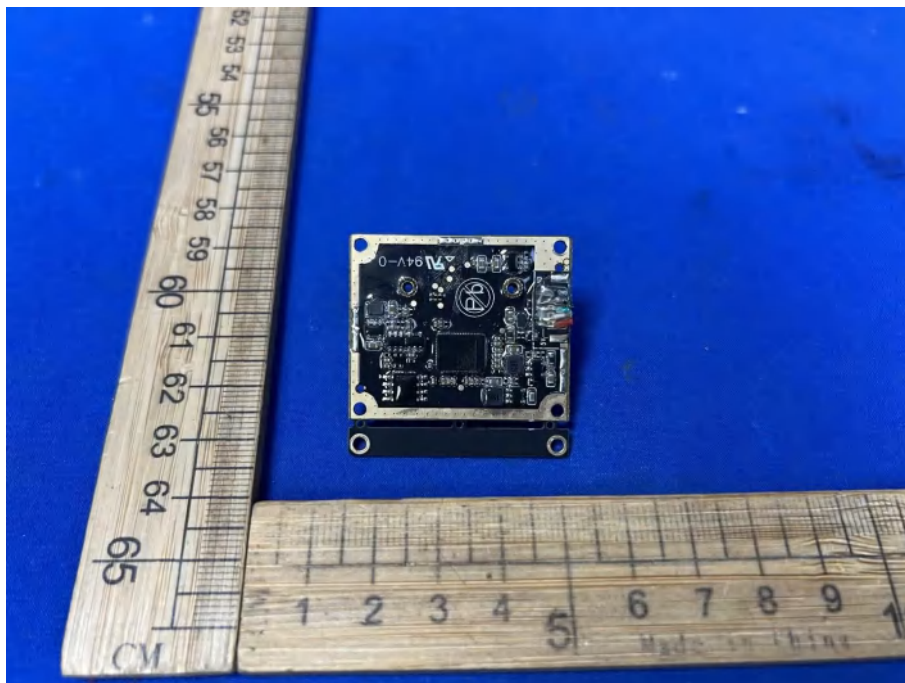
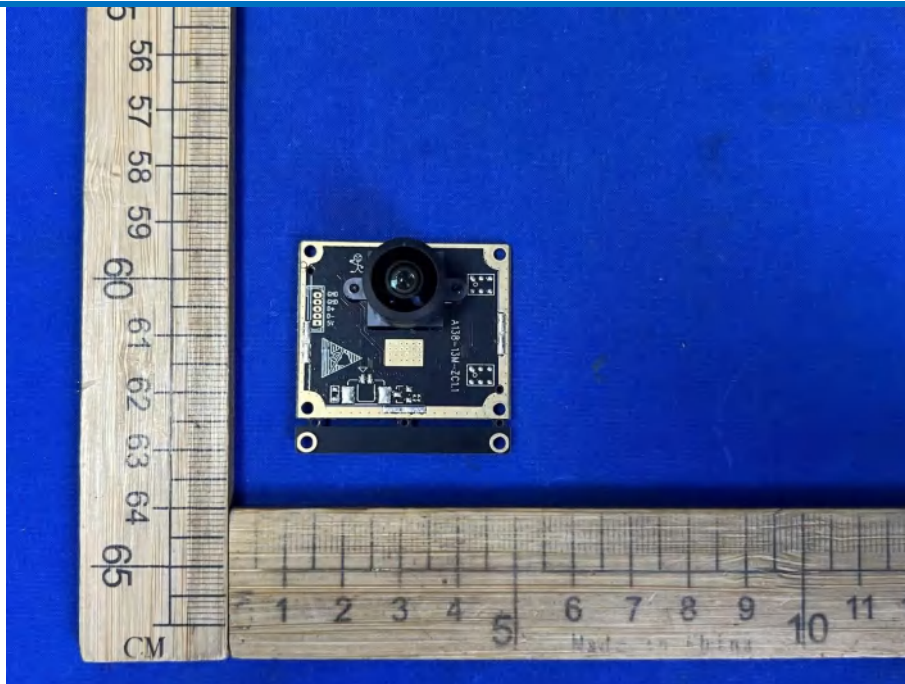


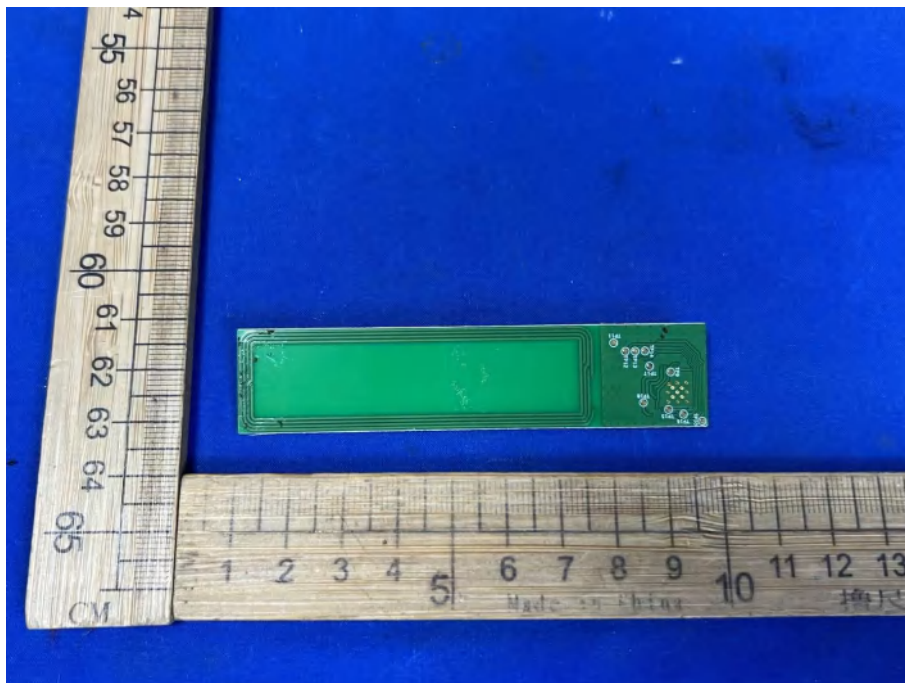
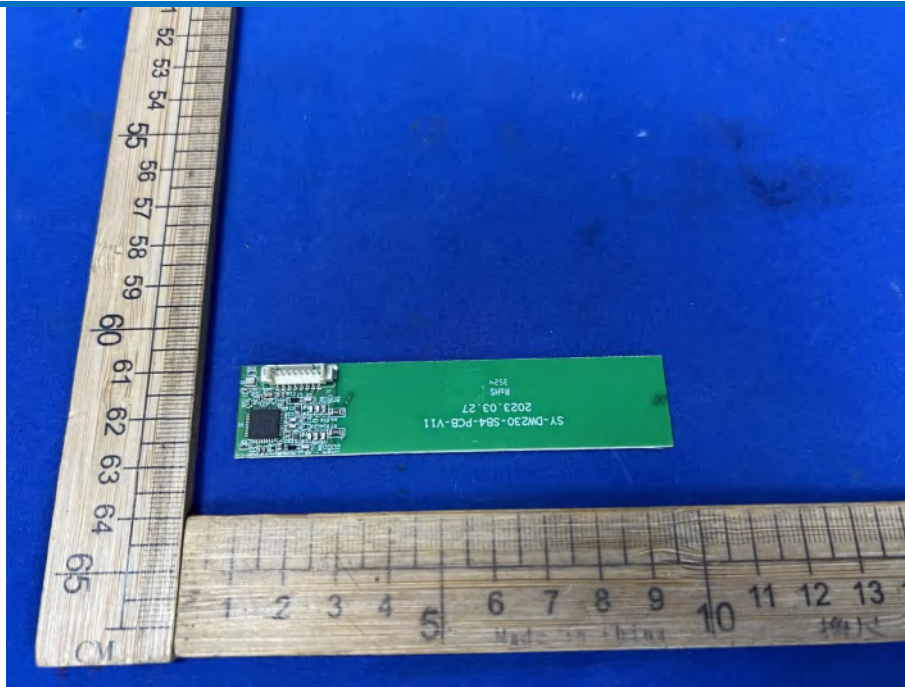


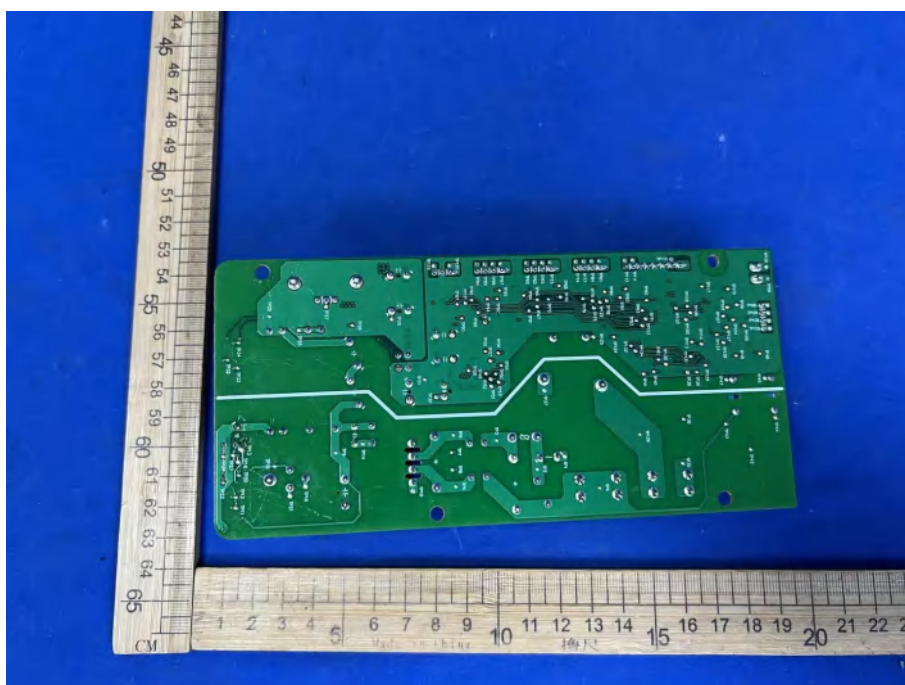


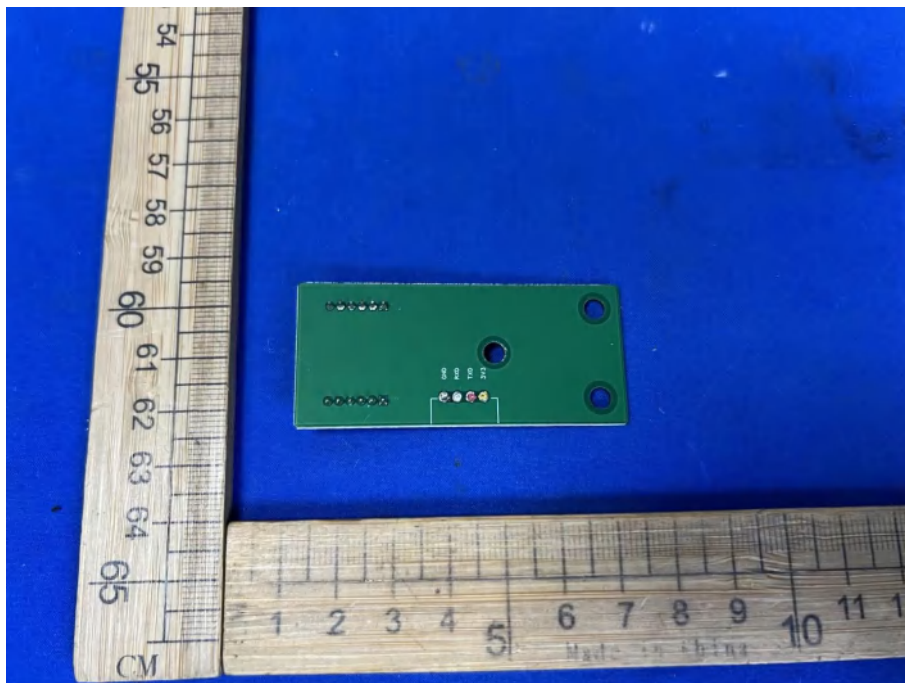
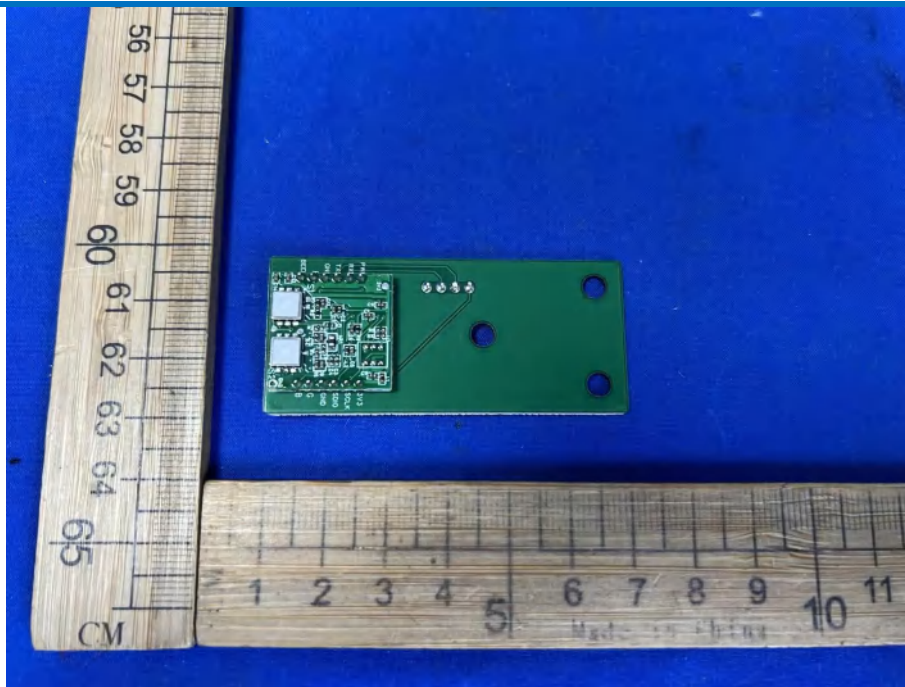


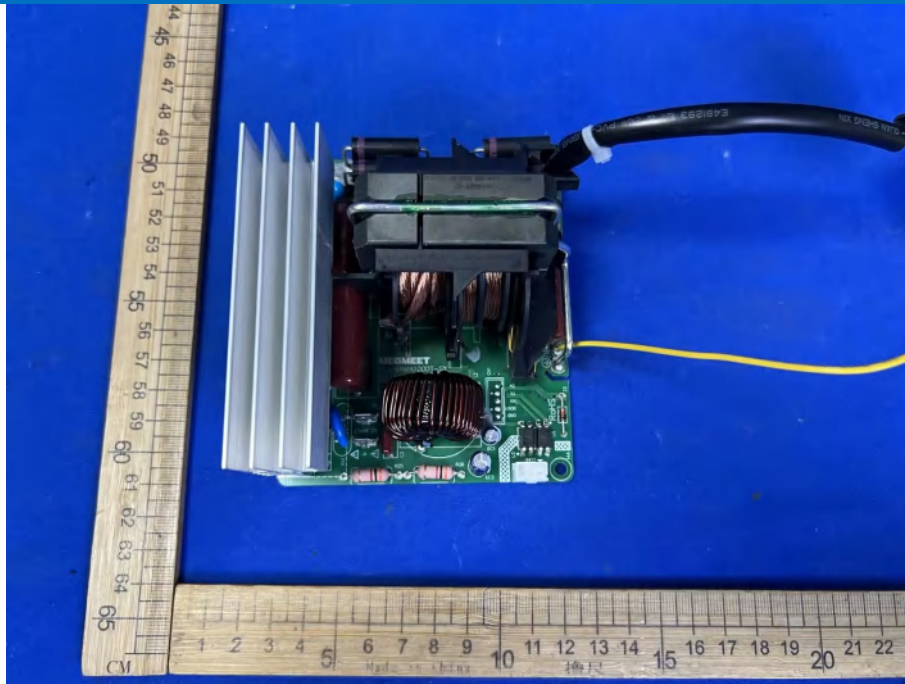


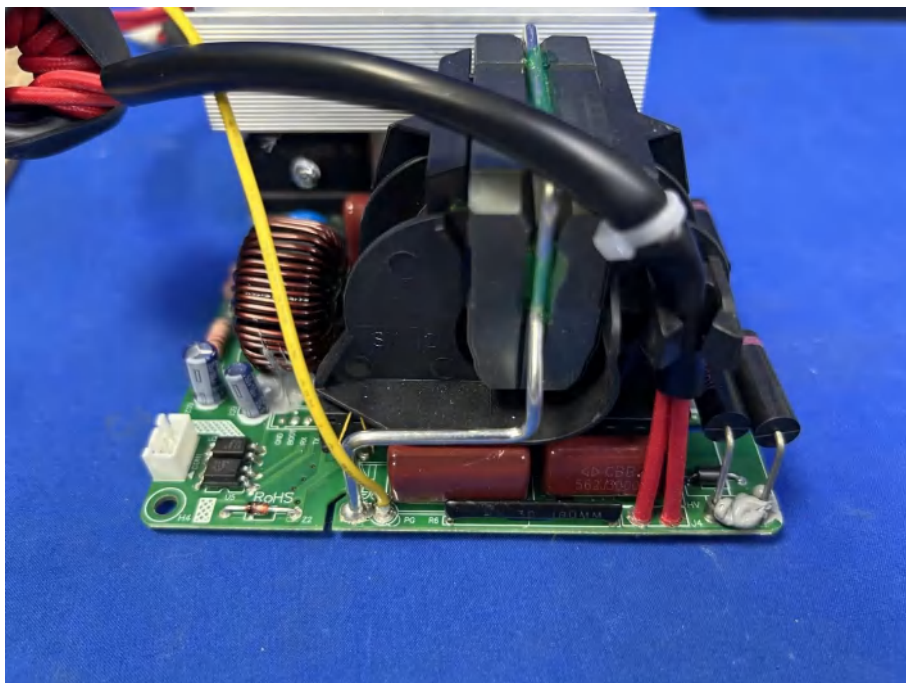
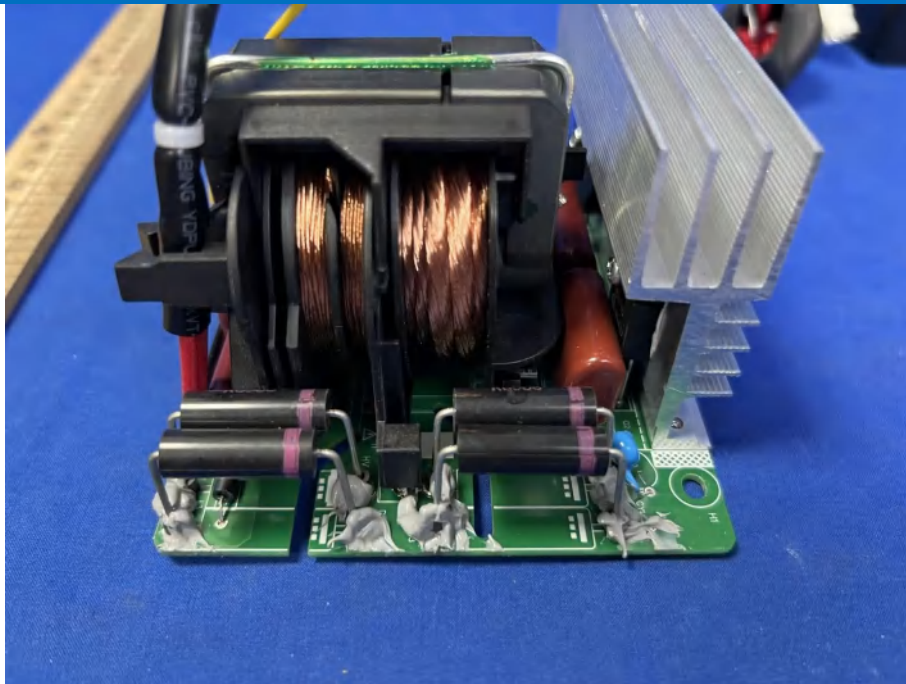


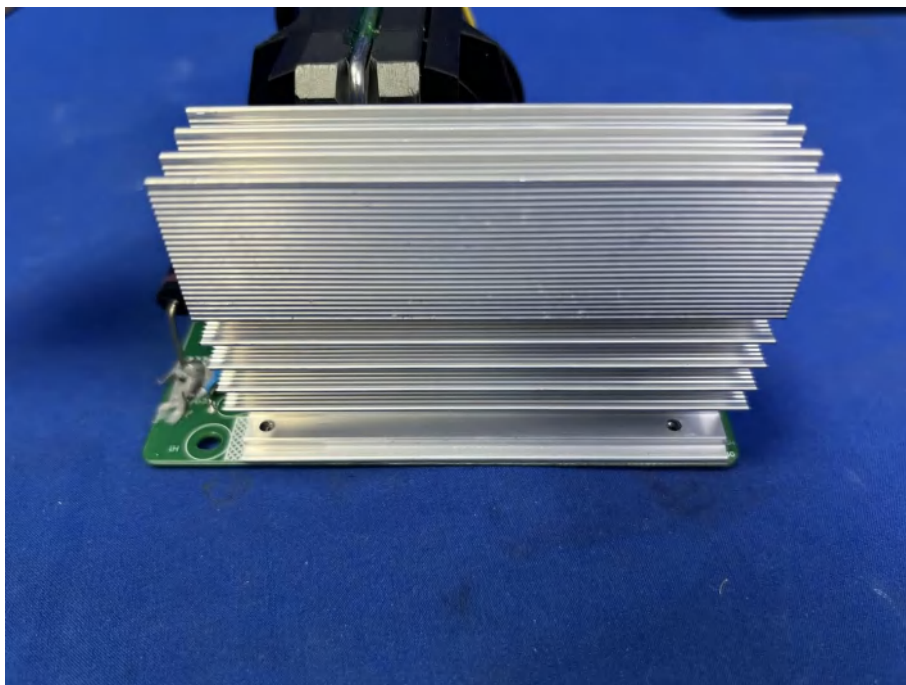
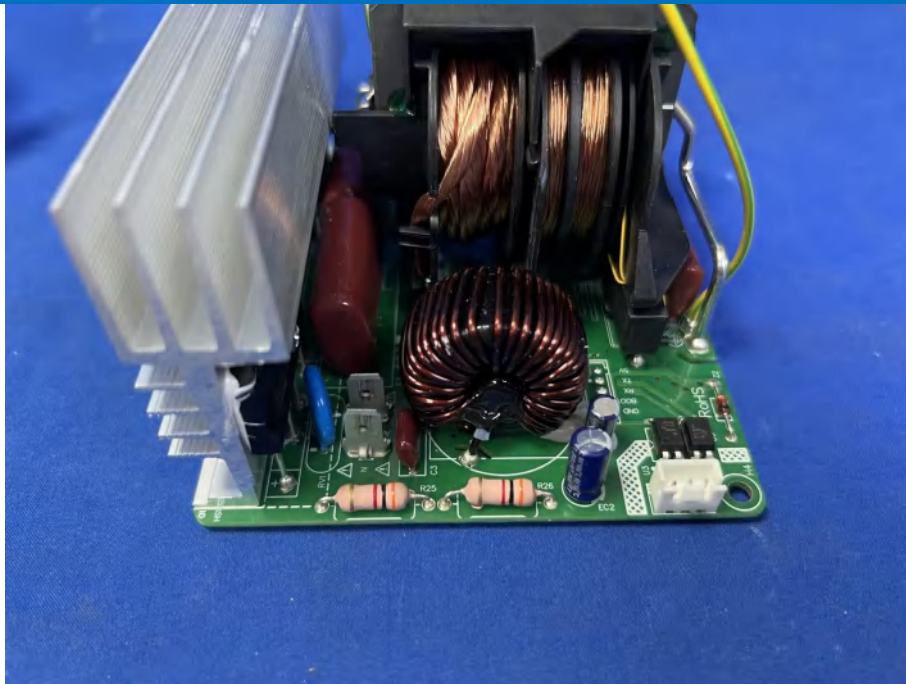




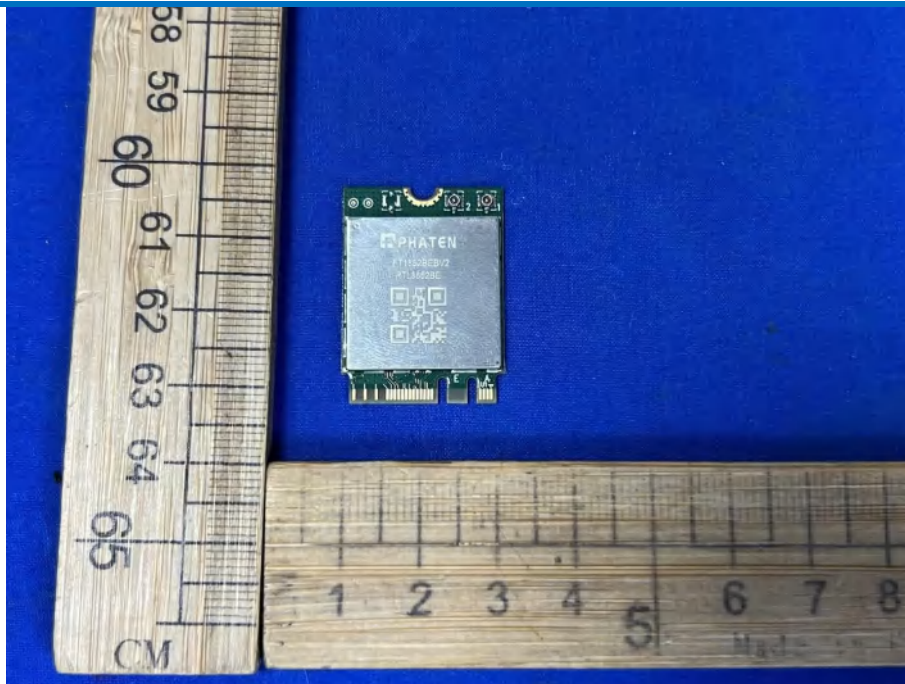


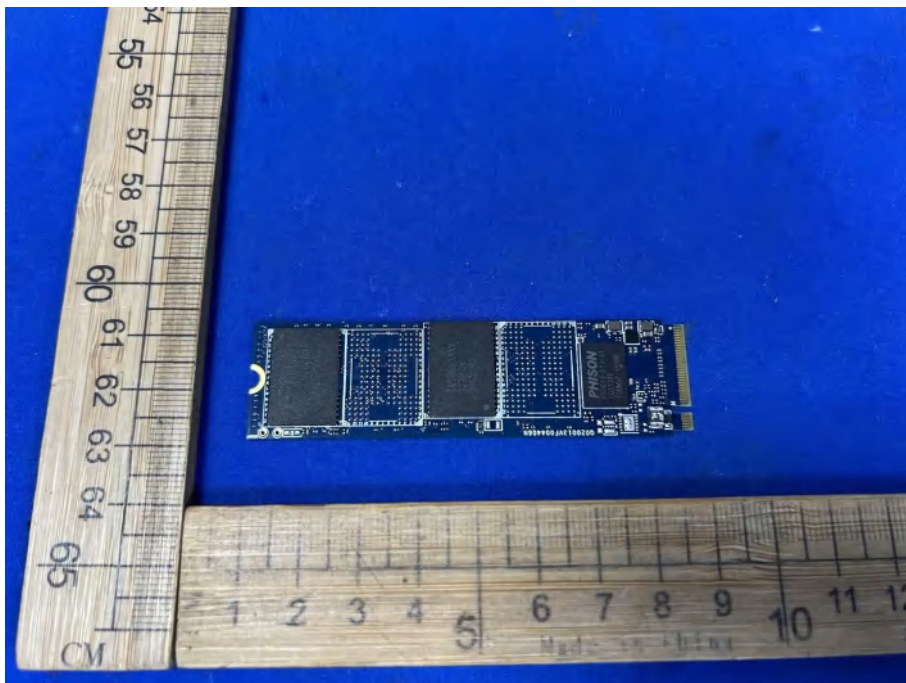
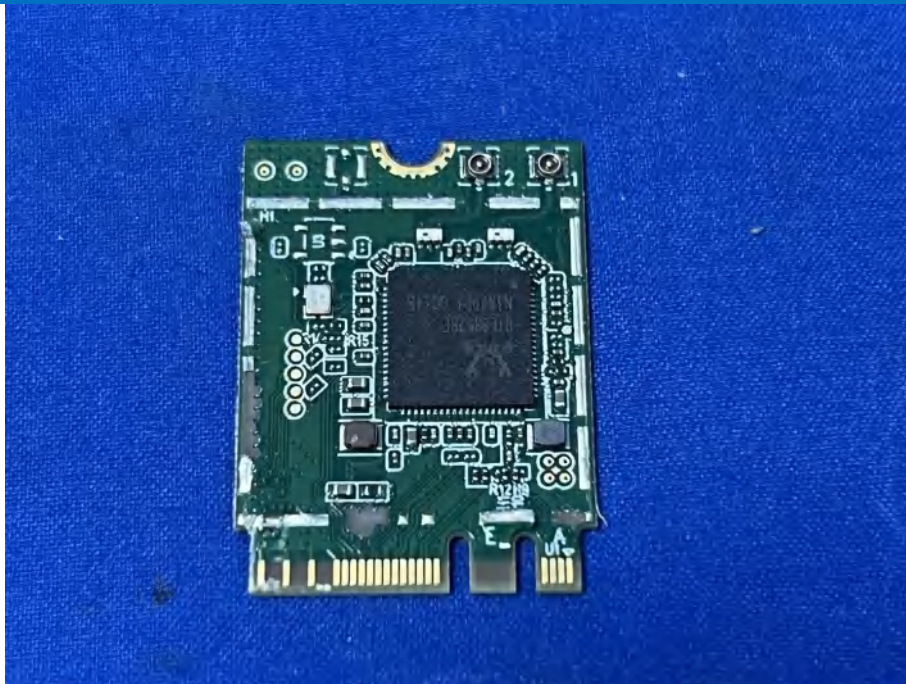


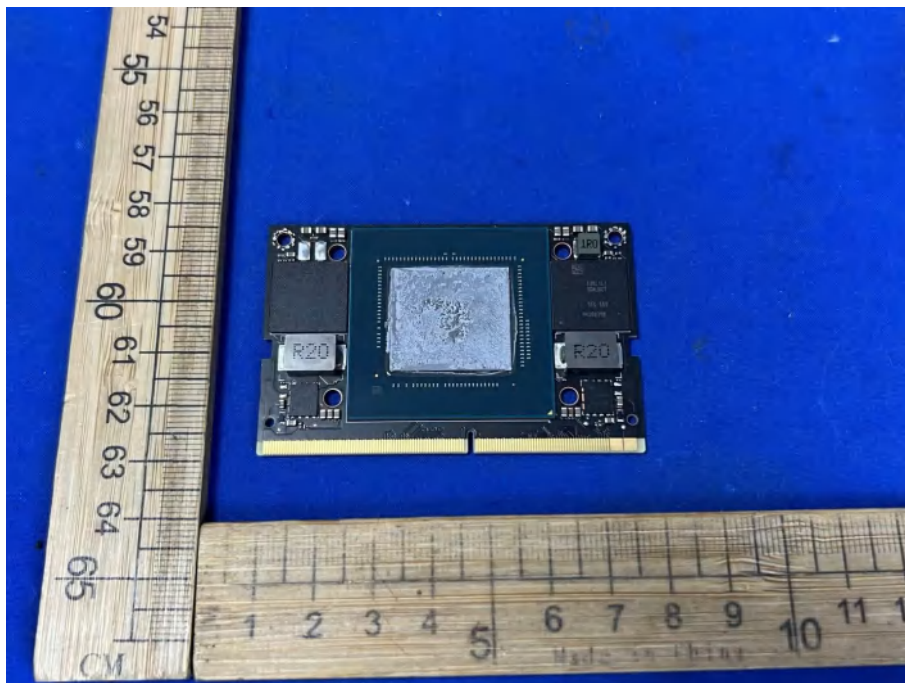


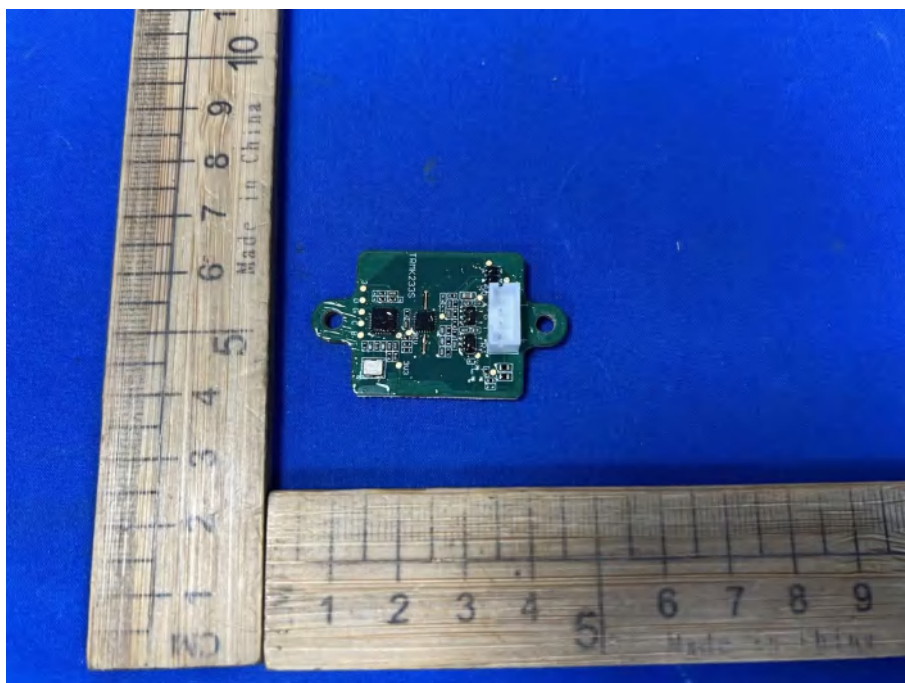


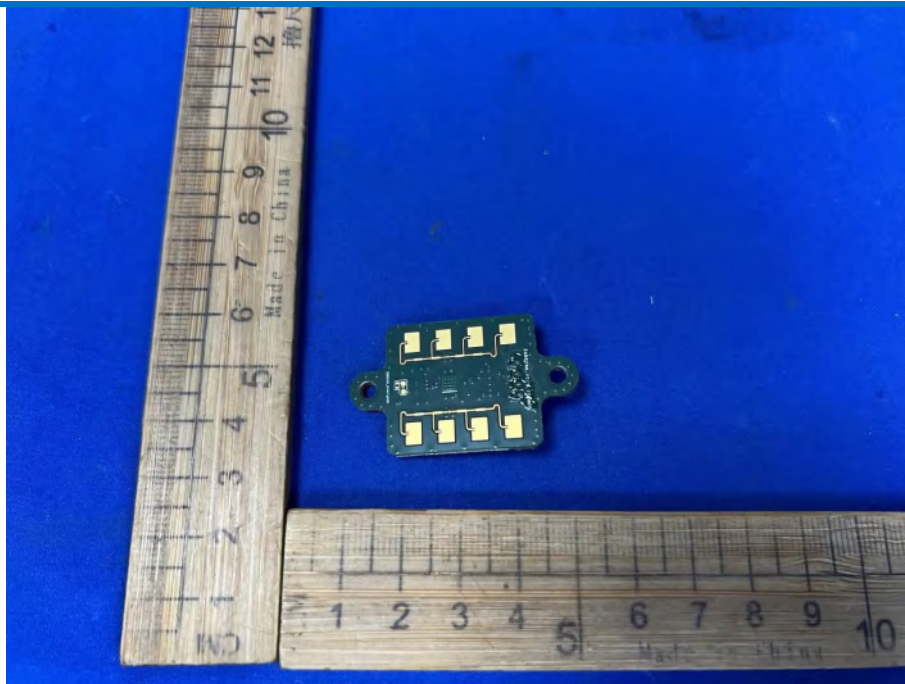


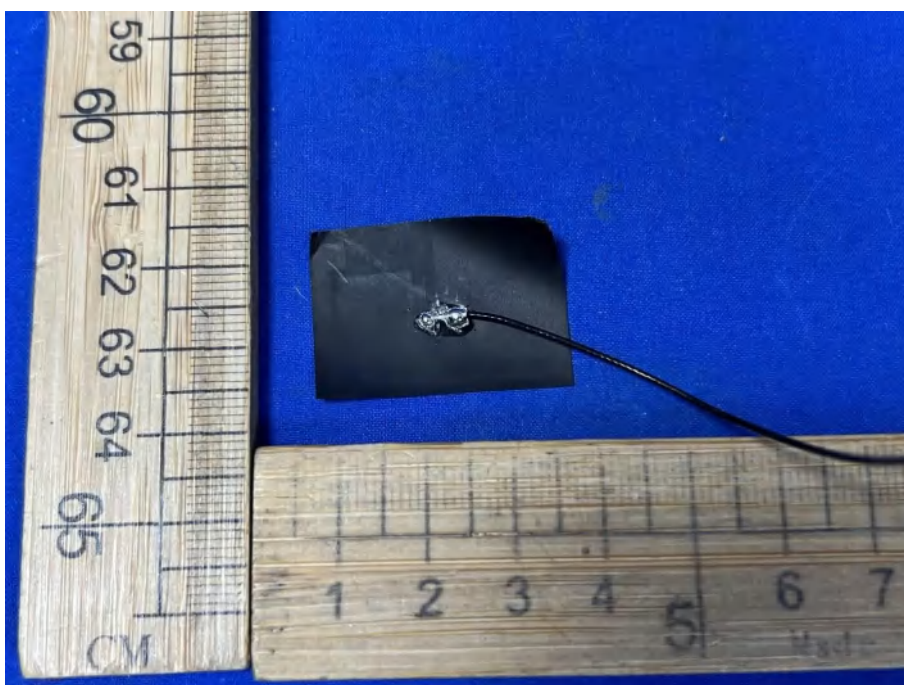
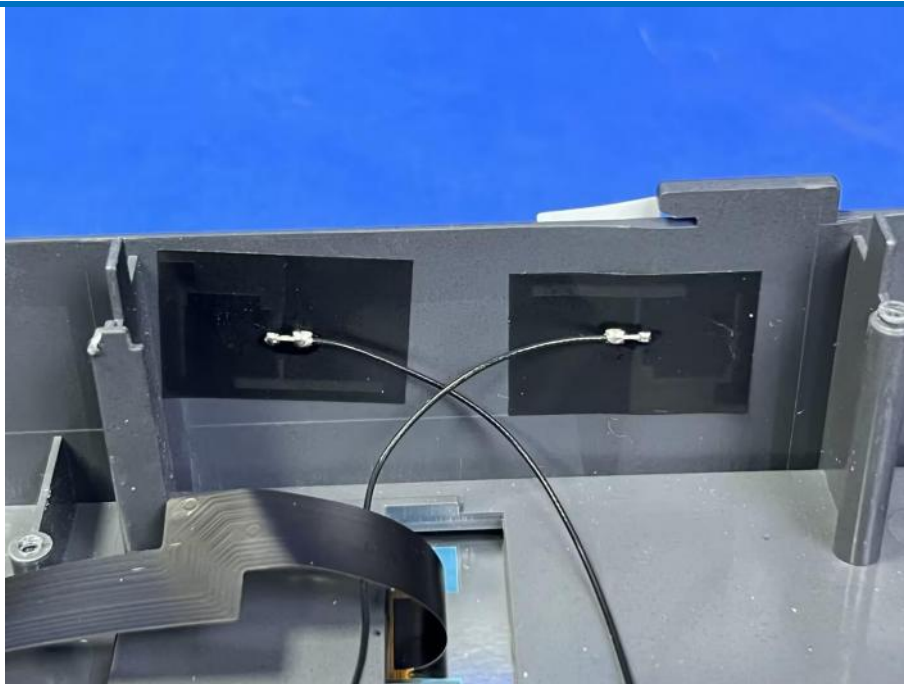




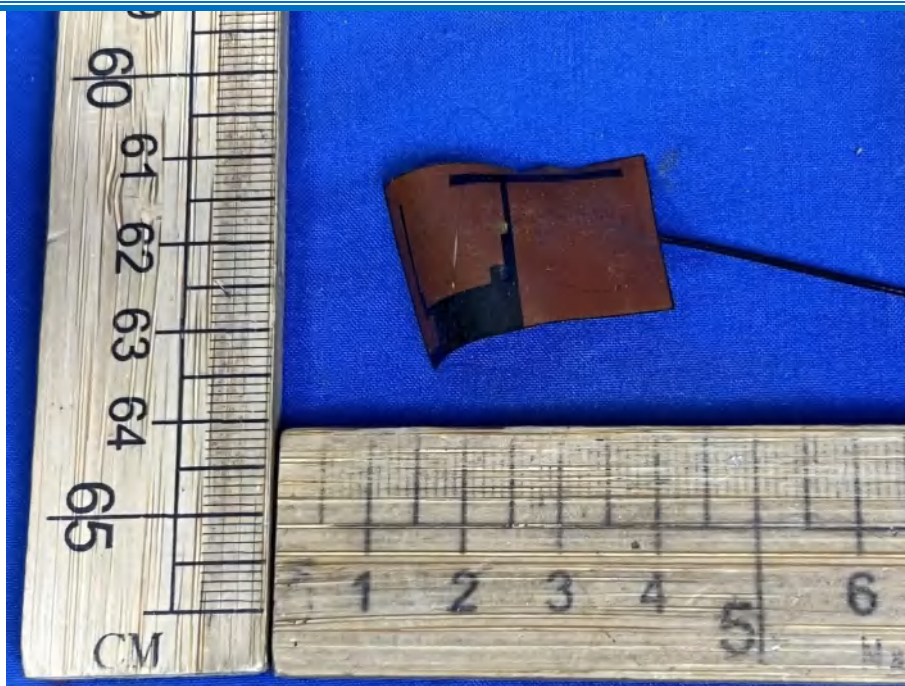












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