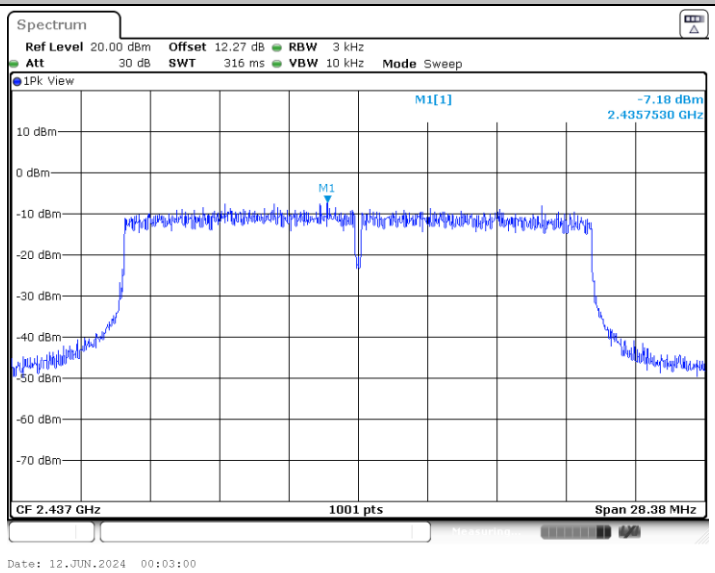
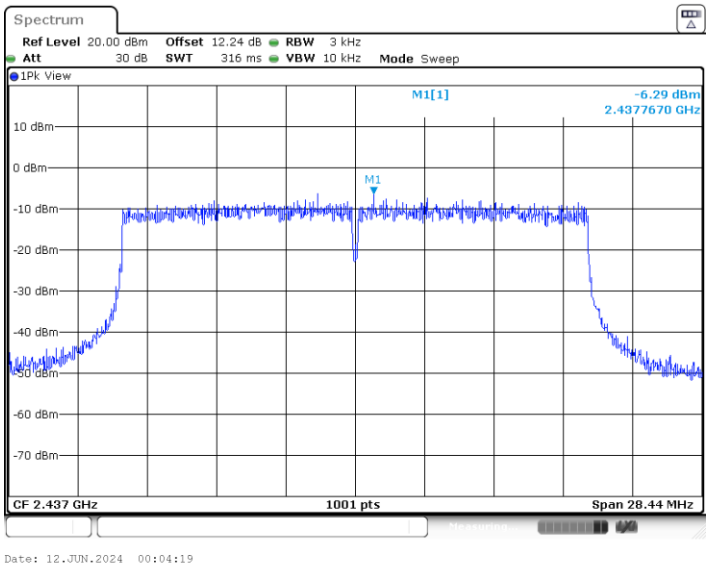
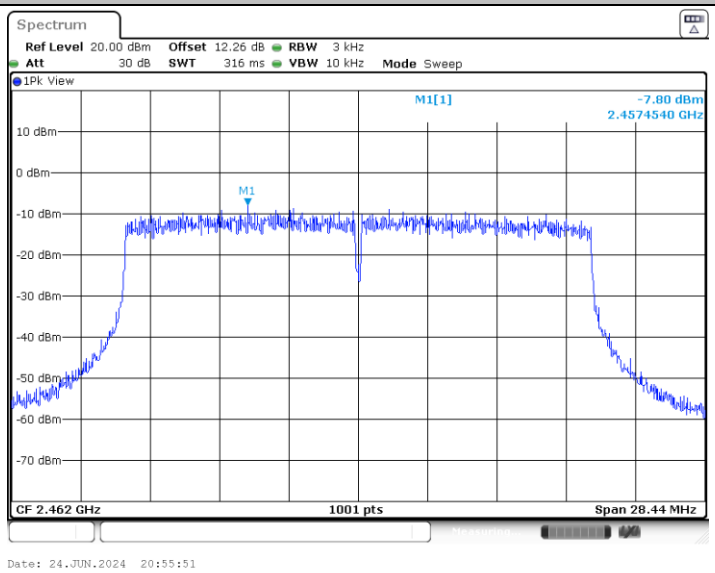
11AX20MIMO_Ant7_2437



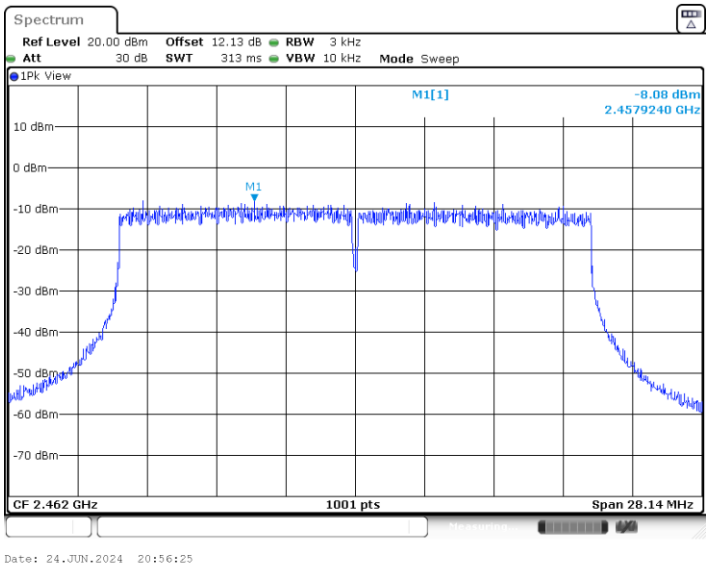
11AX20MIMO_Ant9_2437



11AX20MIMO_Ant7_2462



11AX20MIMO_Ant9_2462



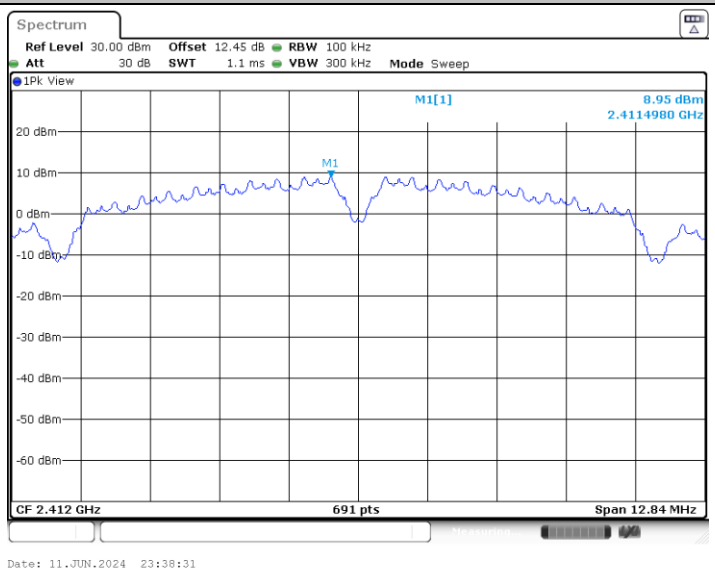
Reference level measurement

Test Result

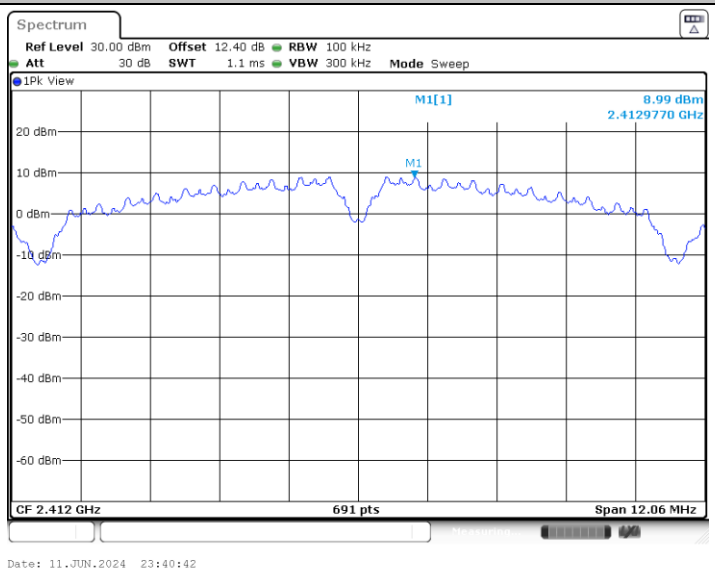
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
11B-CDD	Ant7	2412	2411.50	8.95
	Ant9	2412	2412.98	8.99
	Ant7	2437	2436.49	8.97
	Ant9	2437	2436.50	9.10
	Ant7	2462	2461.00	11.27
	Ant9	2462	2461.00	10.89
11G-CDD	Ant7	2412	2407.01	6.88
	Ant9	2412	2417.00	7.58
	Ant7	2437	2432.01	7.86
	Ant9	2437	2431.97	8.01
	Ant7	2462	2455.73	6.41
	Ant9	2462	2456.97	6.56
11AC20MIMO	Ant7	2412	2410.70	5.58
	Ant9	2412	2416.96	5.86
	Ant7	2437	2439.45	6.88
	Ant9	2437	2431.98	6.79
	Ant7	2462	2460.70	5.68
	Ant9	2462	2460.70	5.75
11AX20MIMO	Ant7	2412	2414.51	6.22
	Ant9	2412	2406.99	6.12
	Ant7	2437	2430.76	7.03
	Ant9	2437	2435.72	7.27
	Ant7	2462	2466.98	6.67
	Ant9	2462	2466.97	7.32

Test Graphs

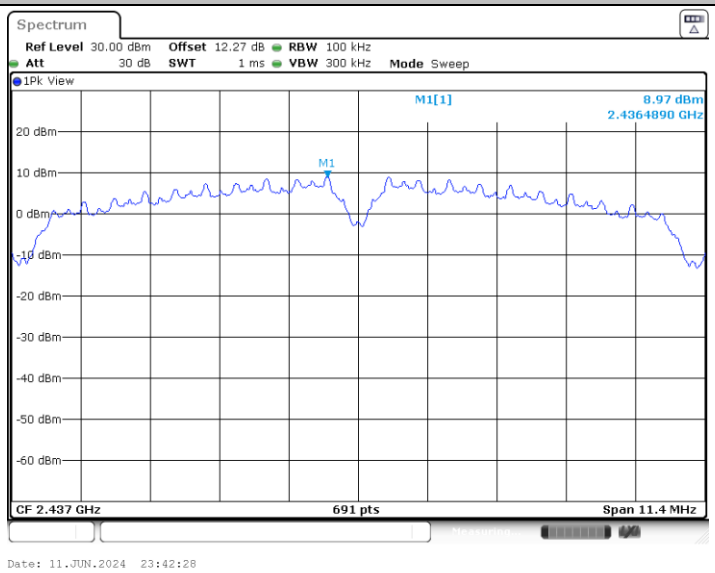
11B-CDD_Ant7_2412



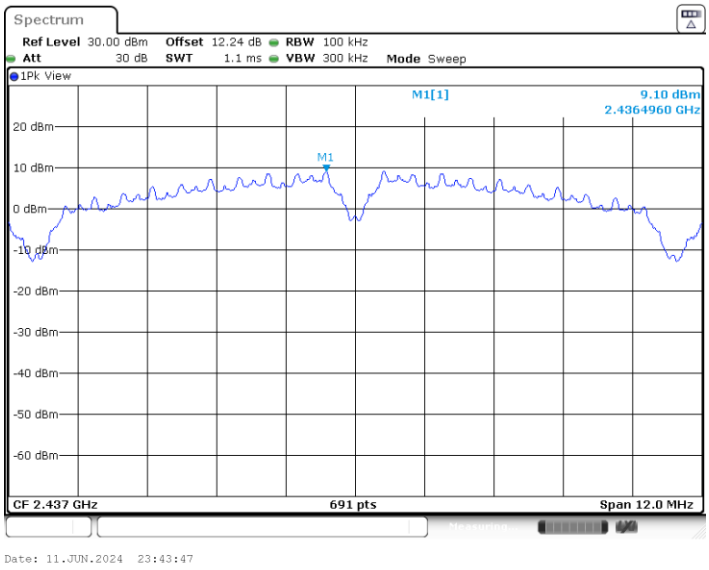
11B-CDD_Ant9_2412



11B-CDD_Ant7_2437



11B-CDD_Ant9_2437



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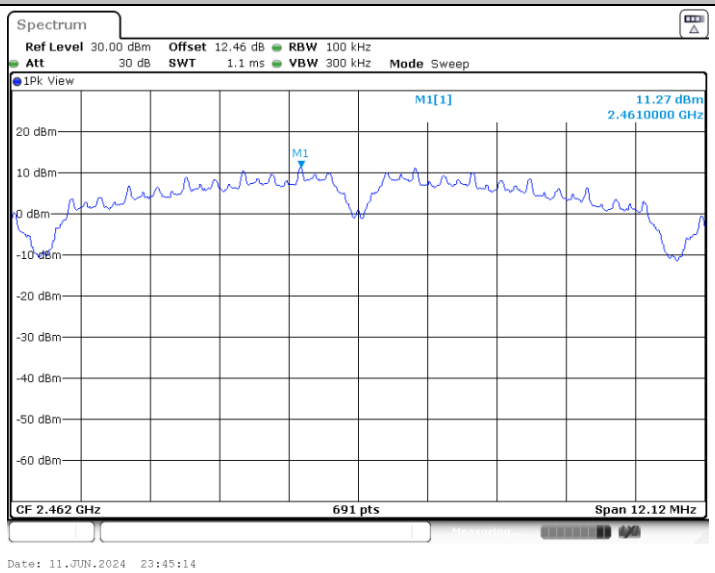

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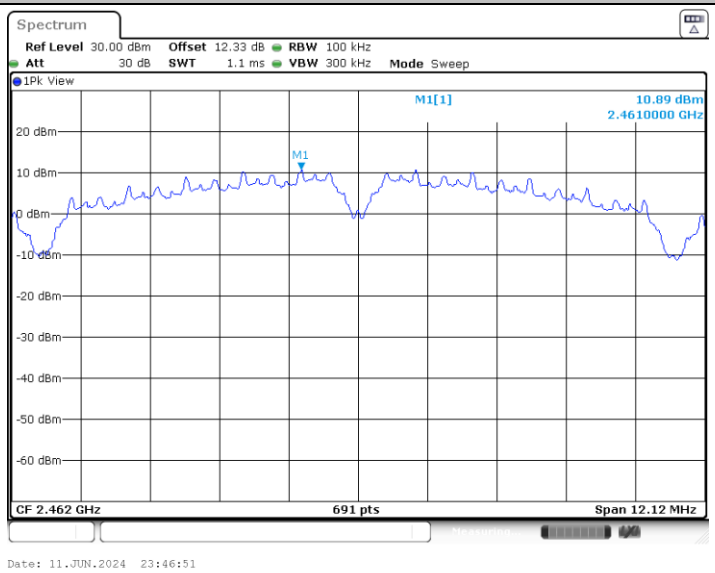

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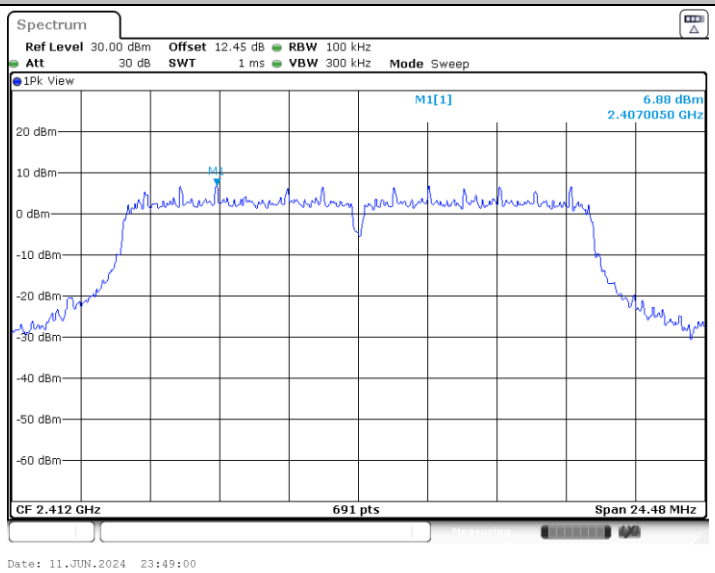

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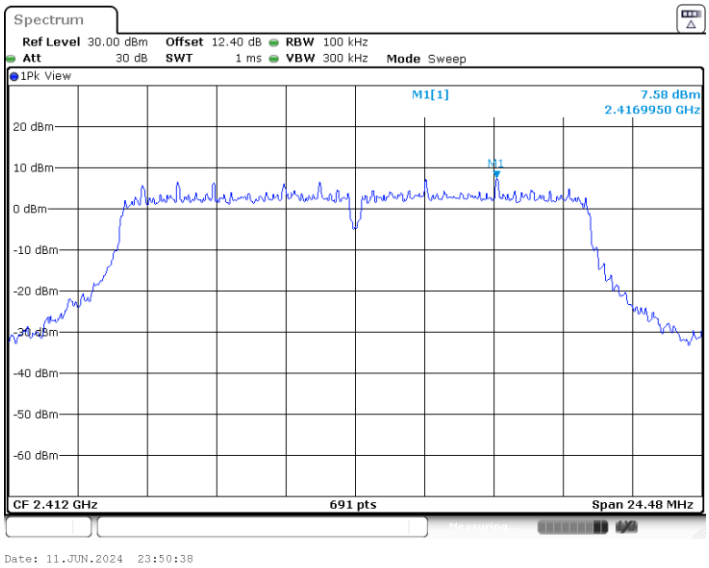
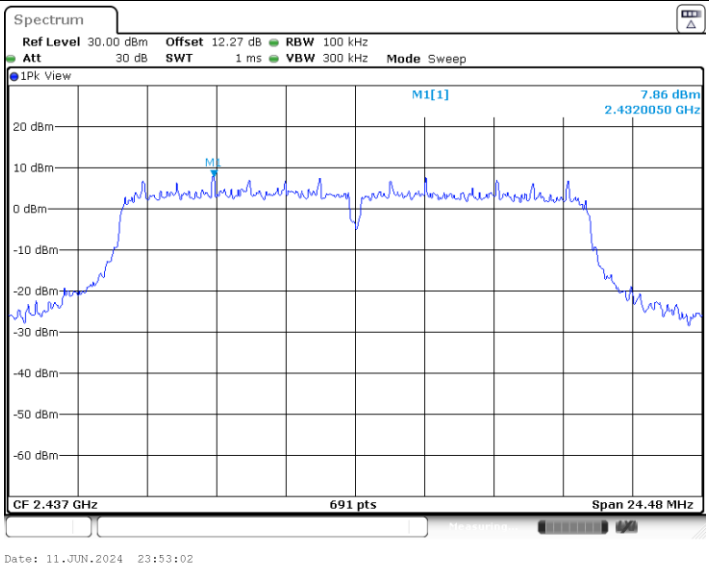


11G-CDD_Ant7_2437



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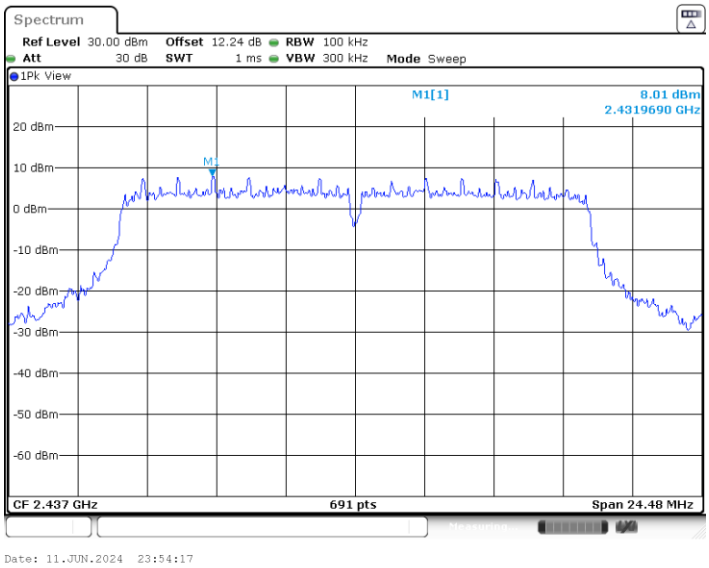

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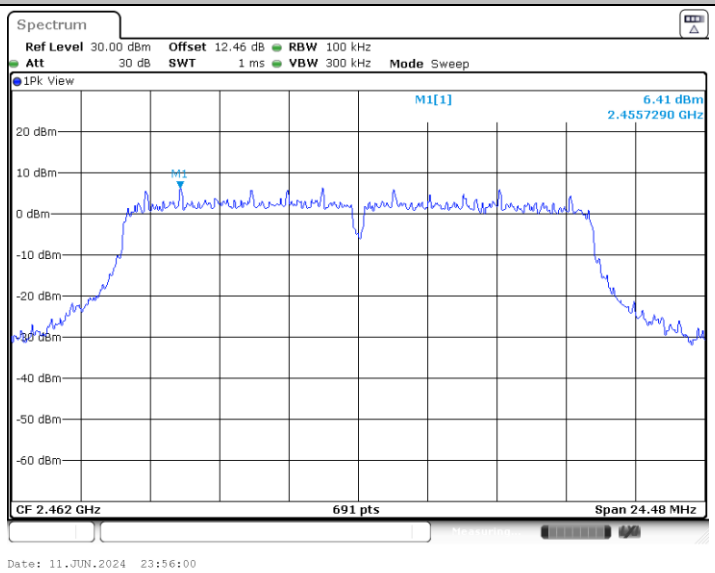
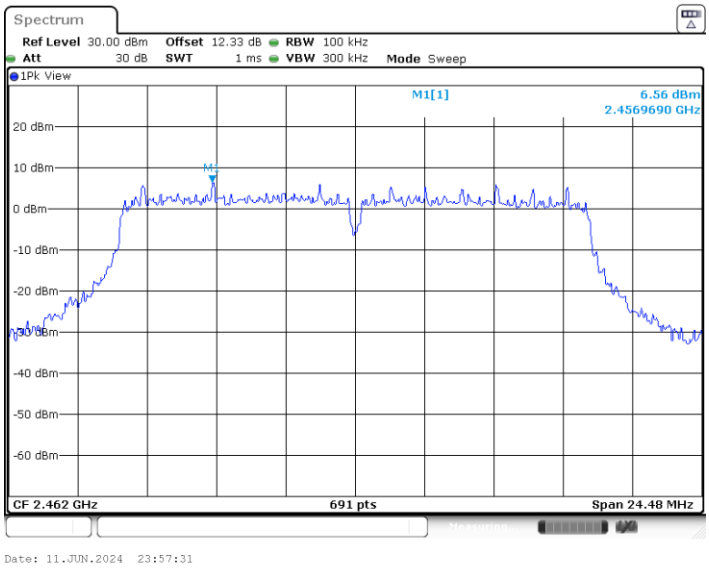
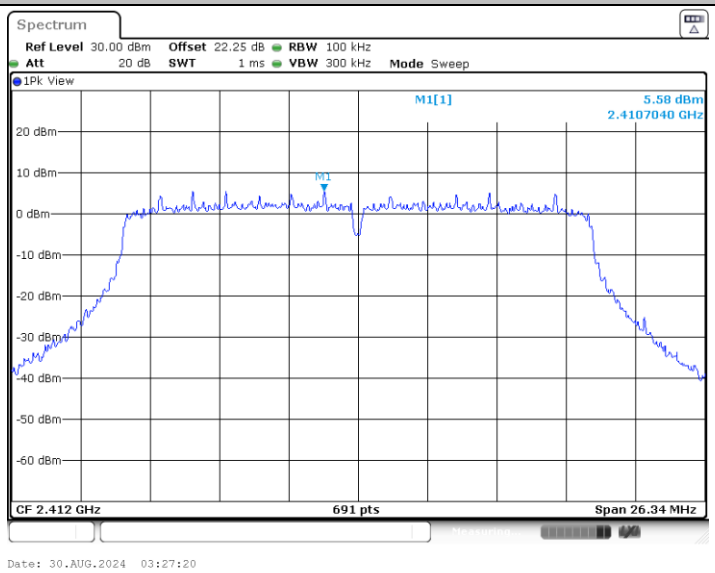


11G-CDD_Ant9_2462



11AC20MIMO_Ant7_2412



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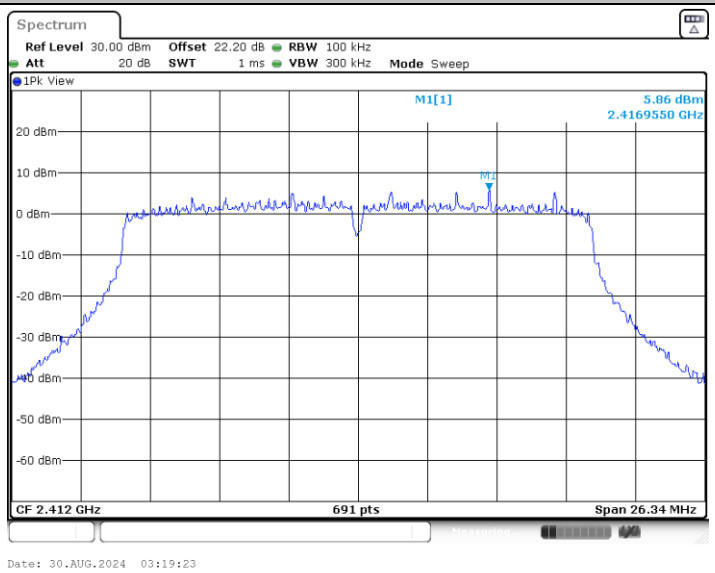

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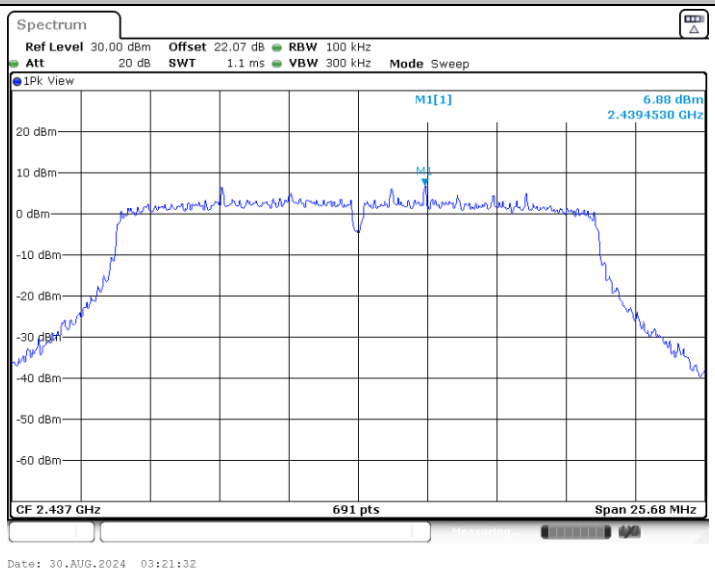

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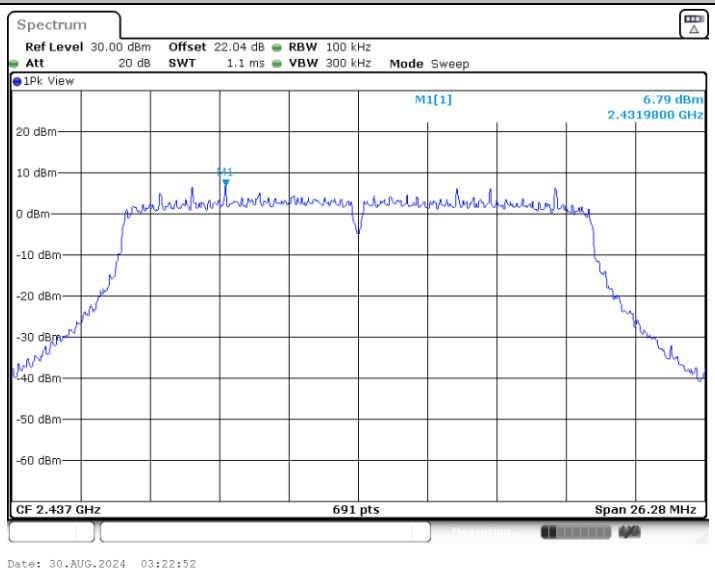

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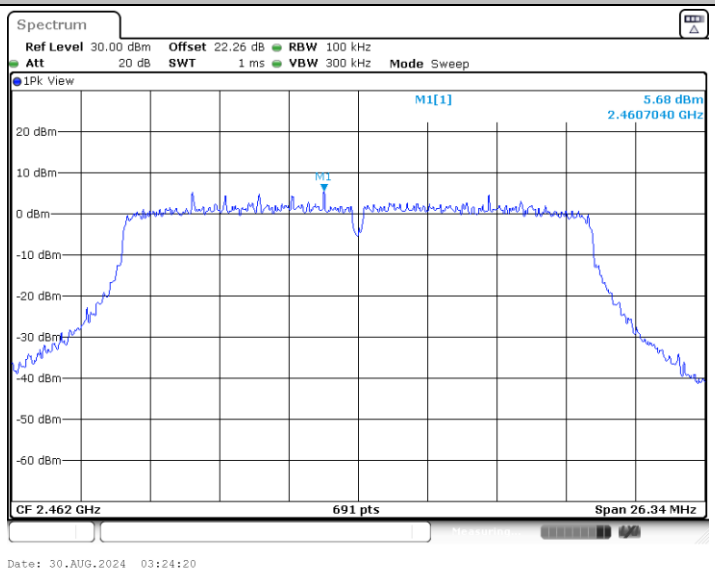

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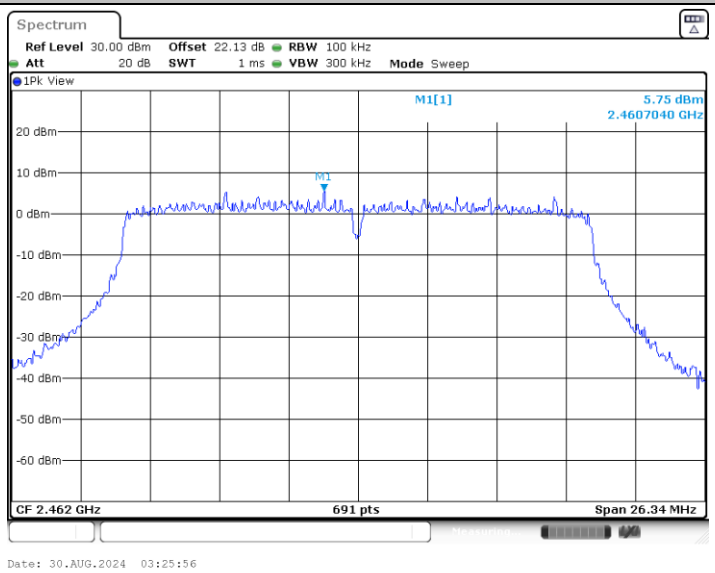

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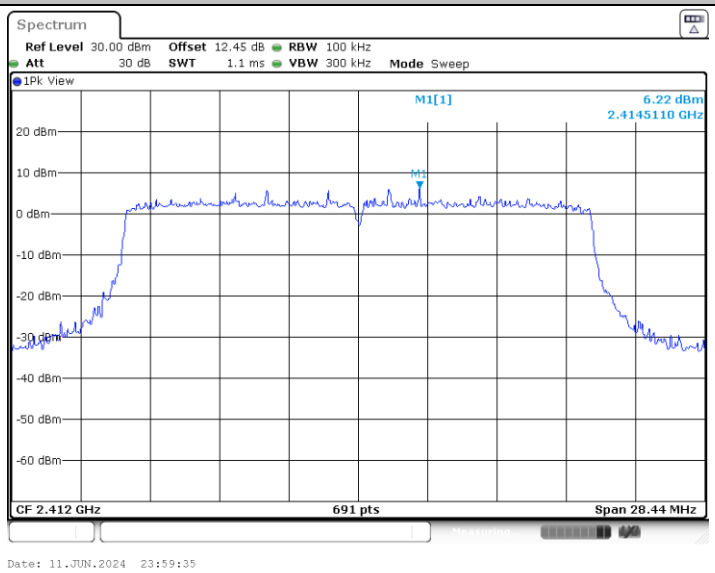

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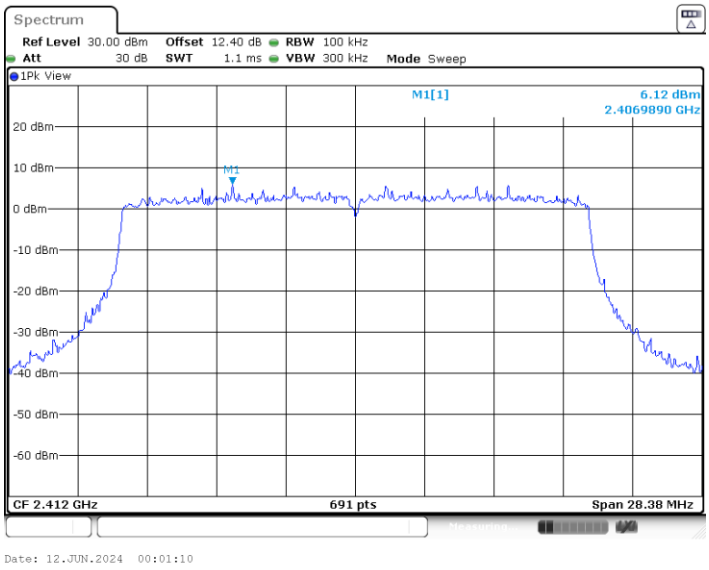

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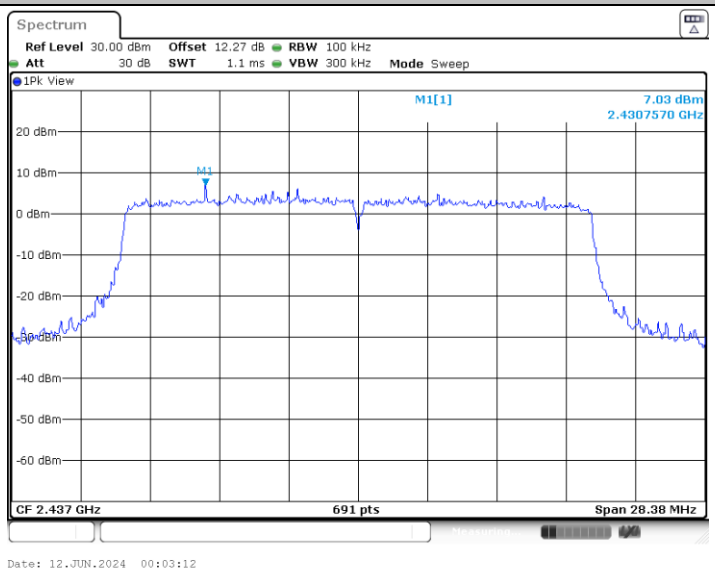

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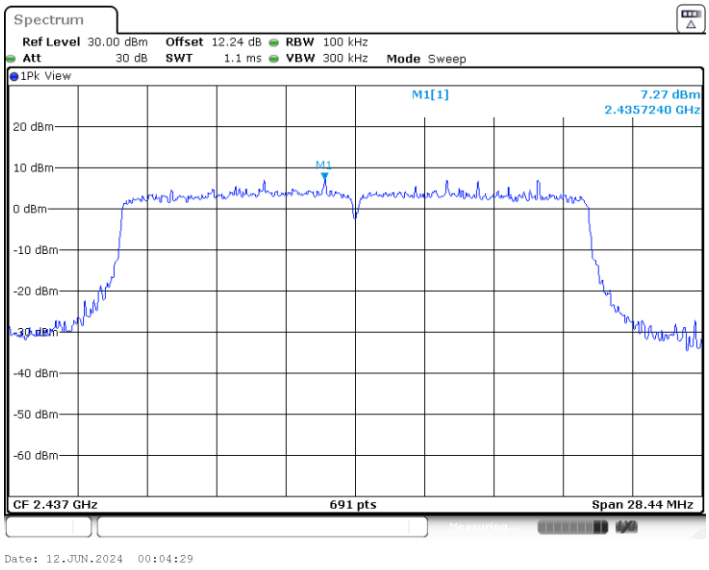

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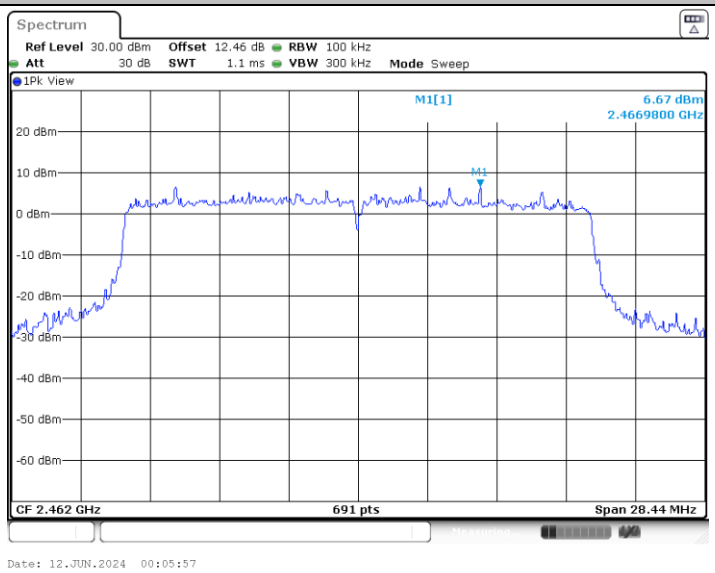

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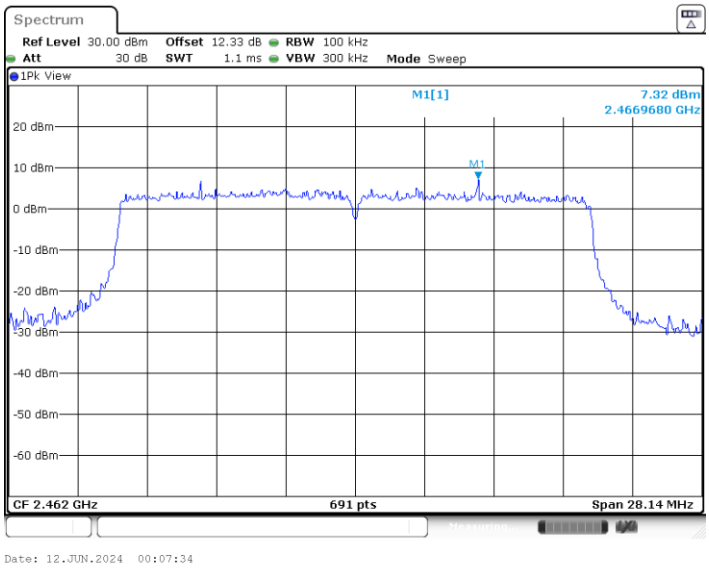


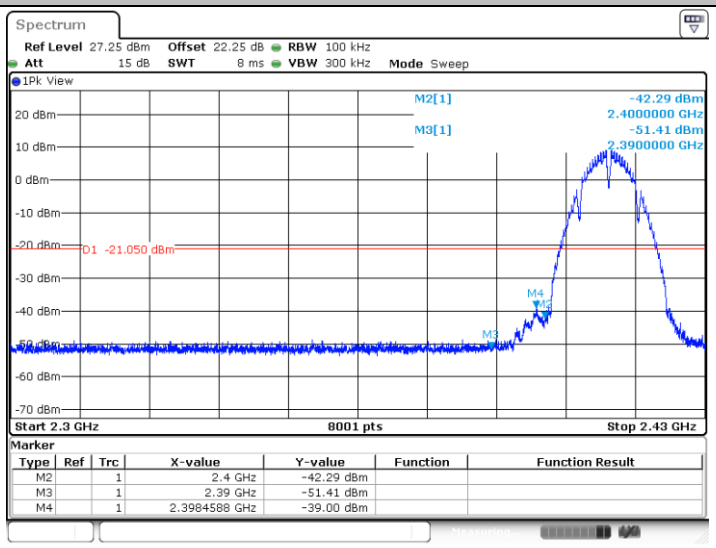
Band edge measurements

Test Result

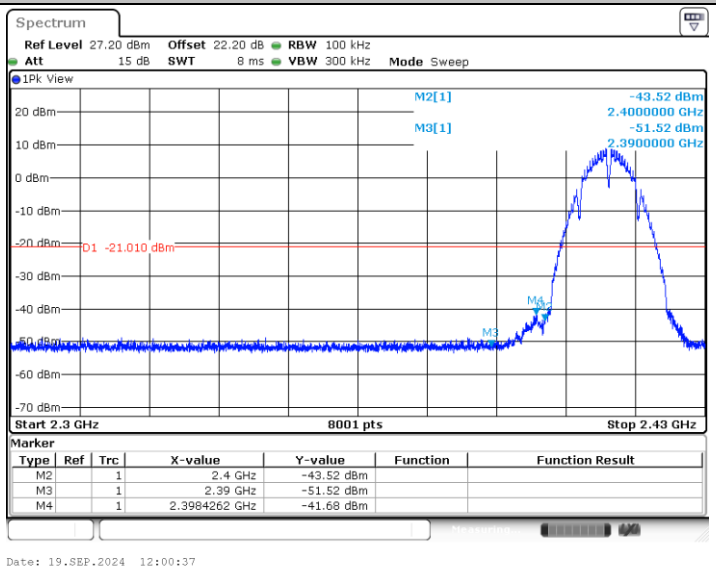
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm /100KHz]	Result[dBm /100KHz]	Limit[dBm /100KHz]	Verdict
11B-CDD	Ant7	Low	2412	8.95	-39	≤-21.05	PASS
	Ant9	Low	2412	8.99	-41.68	≤-21.01	PASS
	Ant7	High	2462	11.27	-47.96	≤-18.73	PASS
	Ant9	High	2462	10.89	-48.23	≤-19.11	PASS
11G-CDD	Ant7	Low	2412	6.88	-29.57	≤-23.12	PASS
	Ant9	Low	2412	7.58	-33.52	≤-22.42	PASS
	Ant7	High	2462	6.41	-43.86	≤-23.59	PASS
	Ant9	High	2462	6.56	-45.78	≤-23.44	PASS
11AC20MIMO	Ant7	Low	2412	5.58	-31.59	≤-24.42	PASS
	Ant9	Low	2412	5.86	-34.84	≤-24.14	PASS
	Ant7	High	2462	5.68	-44.57	≤-24.32	PASS
	Ant9	High	2462	5.75	-47.19	≤-24.25	PASS
11AX20MIMO	Ant7	Low	2412	6.22	-28.11	≤-23.78	PASS
	Ant9	Low	2412	6.12	-35.19	≤-23.88	PASS
	Ant7	High	2462	6.67	-41.69	≤-23.33	PASS
	Ant9	High	2462	7.32	-45.07	≤-22.68	PASS

Test Graphs

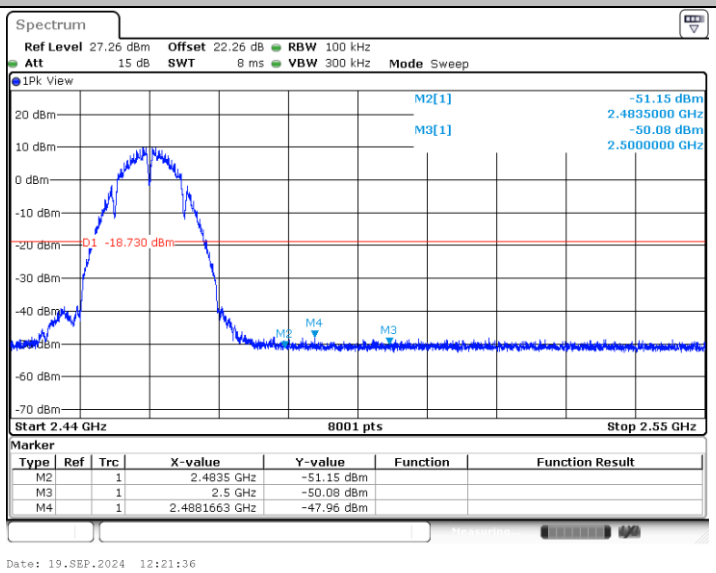
11B-CDD_Ant7_Low_2412



11B-CDD_Ant9_Low_2412



11B-CDD_Ant7_High_2462



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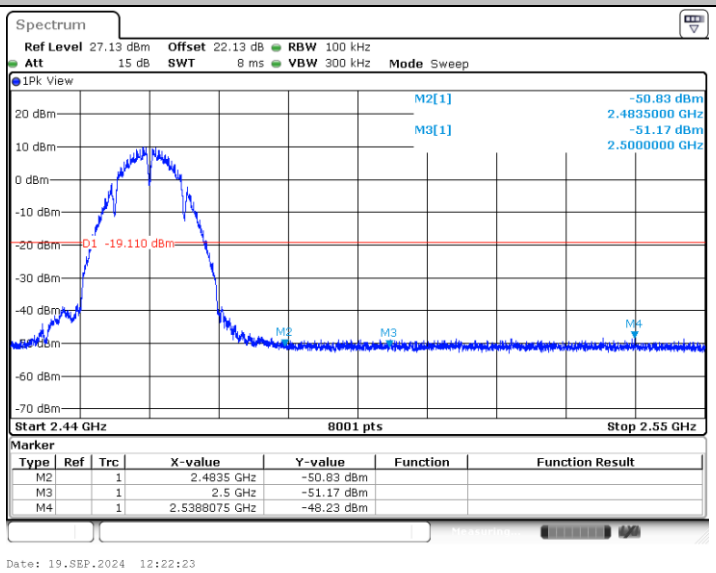
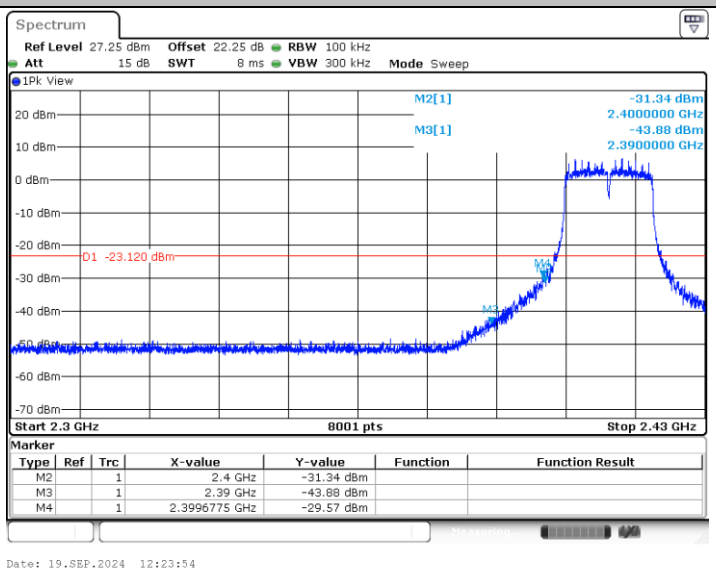
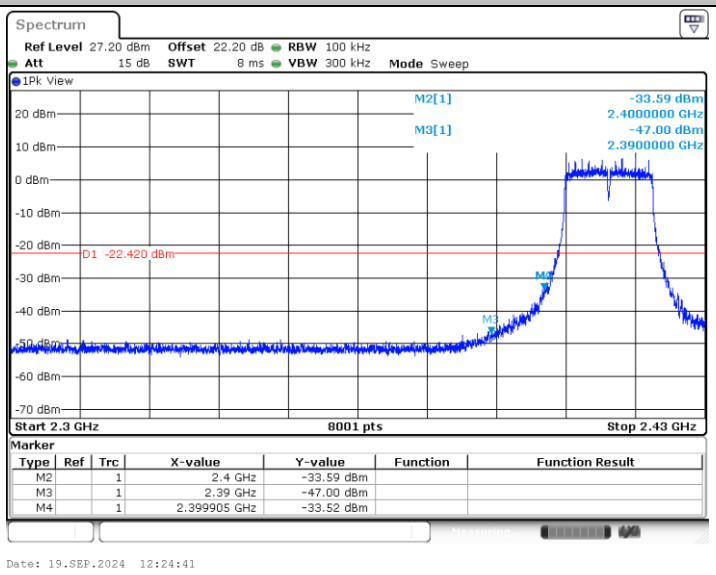


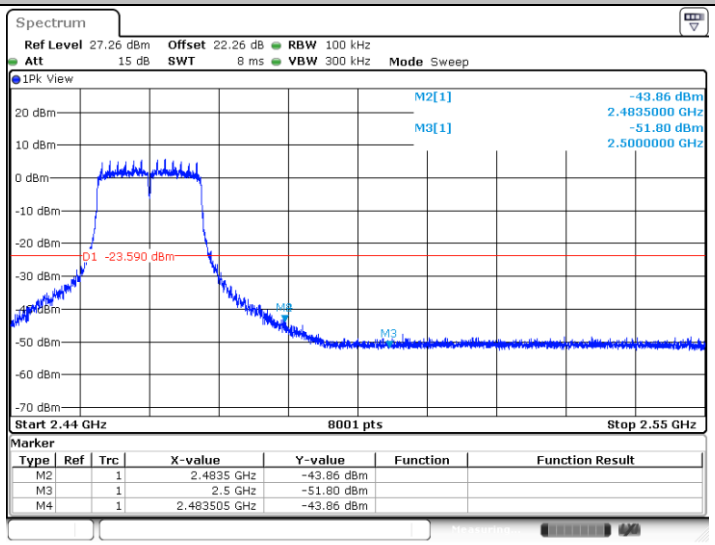
11G-CDD_Ant7_Low_2412



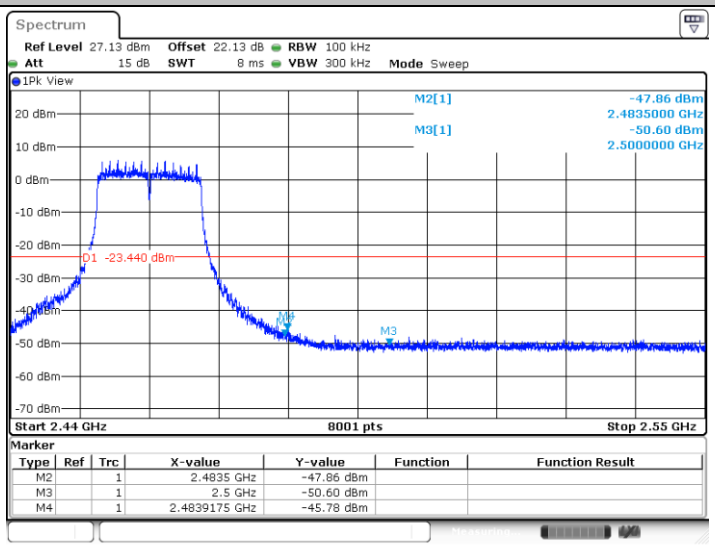
11G-CDD_Ant9_Low_2412



11G-CDD_Ant7_High_2462



11G-CDD_Ant9_High_2462



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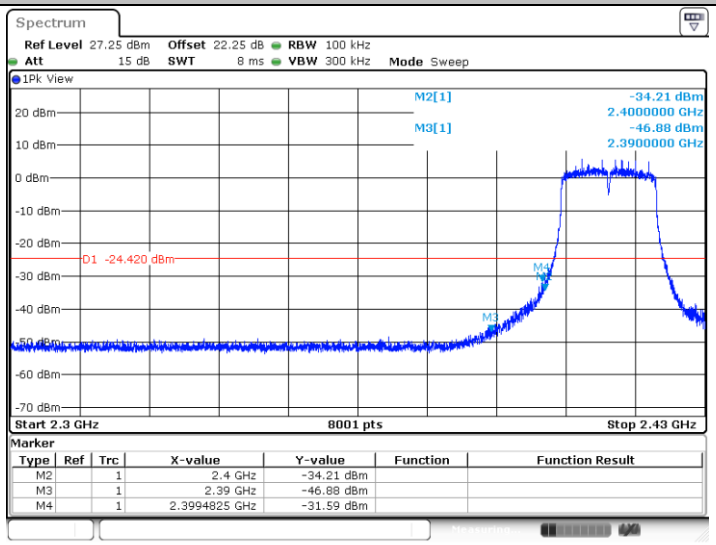
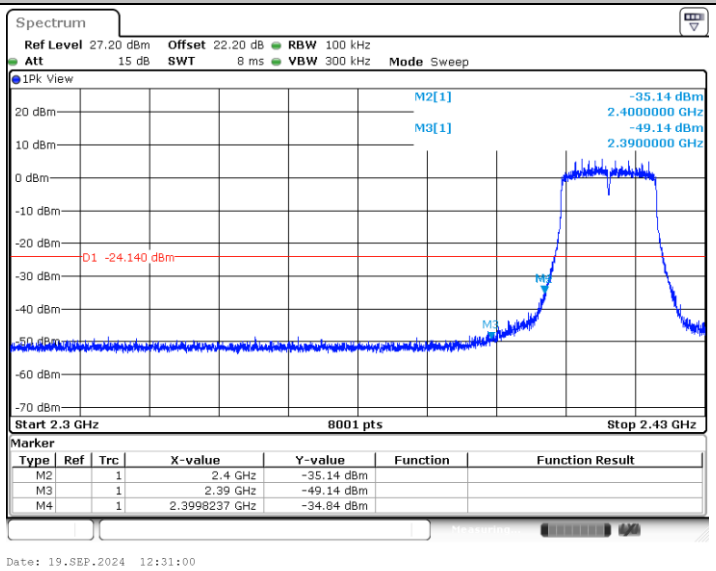


11AC20MIMO_Ant9_Low_2412



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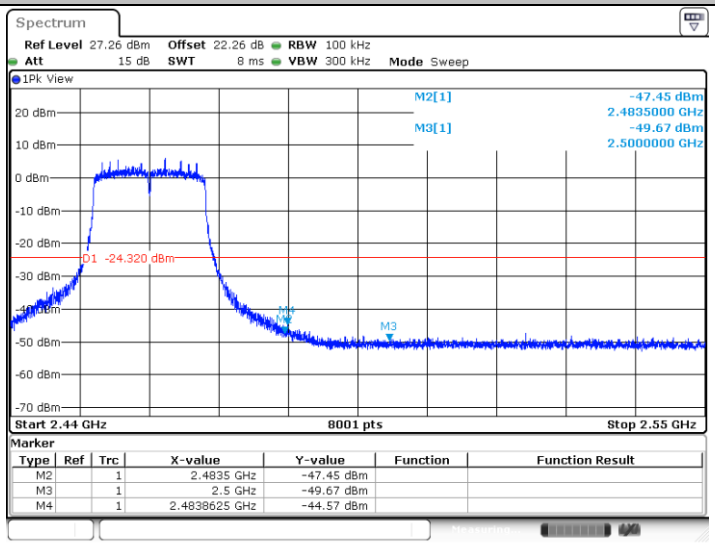

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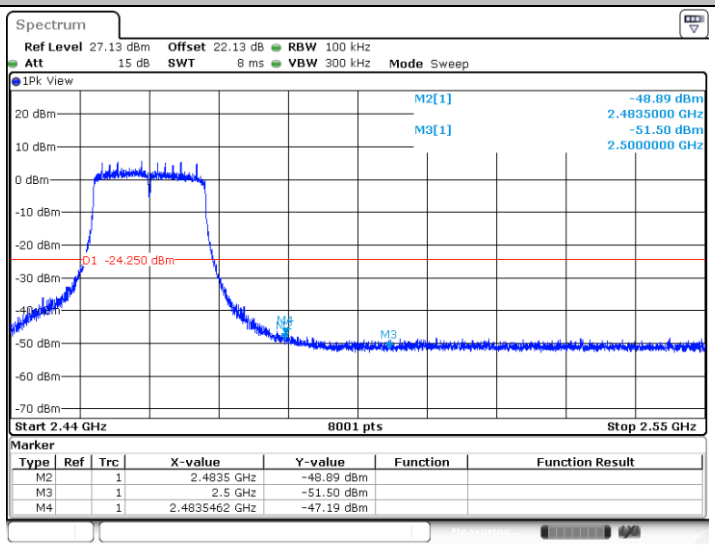
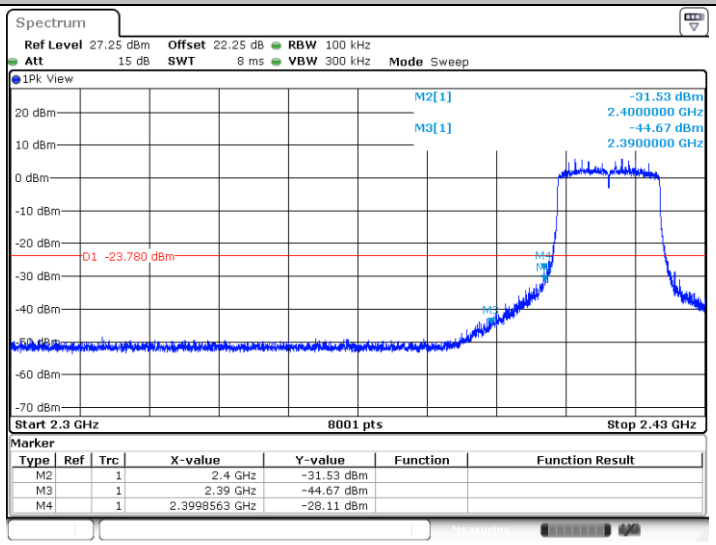
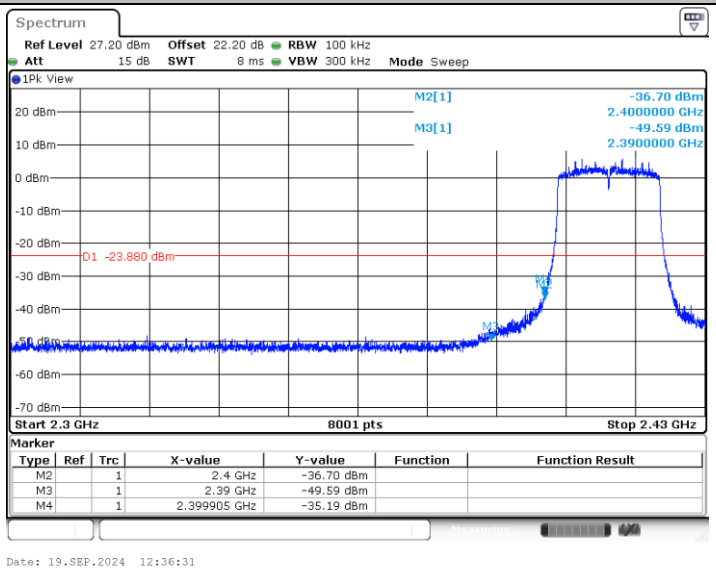


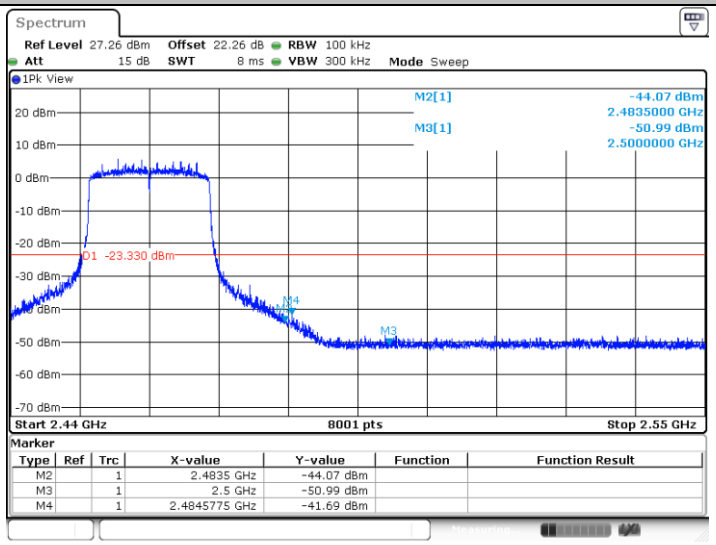
11AX20MIMO_Ant7_Low_2412



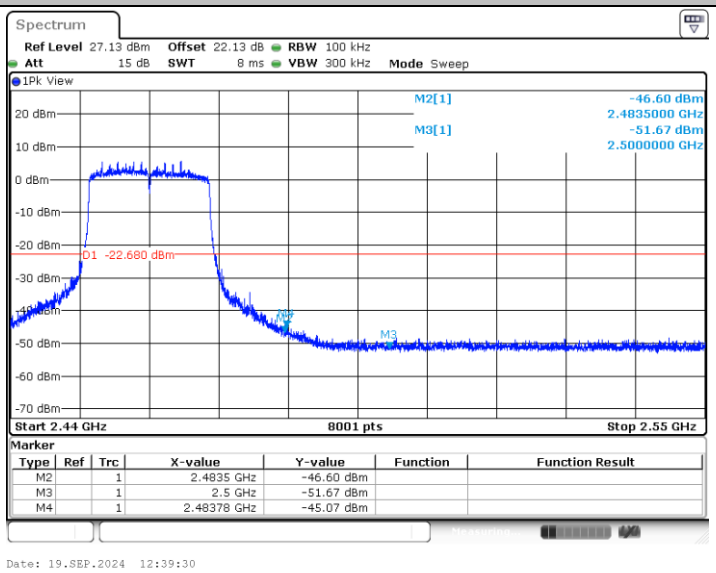
11AX20MIMO_Ant9_Low_2412



11AX20MIMO_Ant7_High_2462



11AX20MIMO_Ant9_High_2462



Conducted Spurious Emission

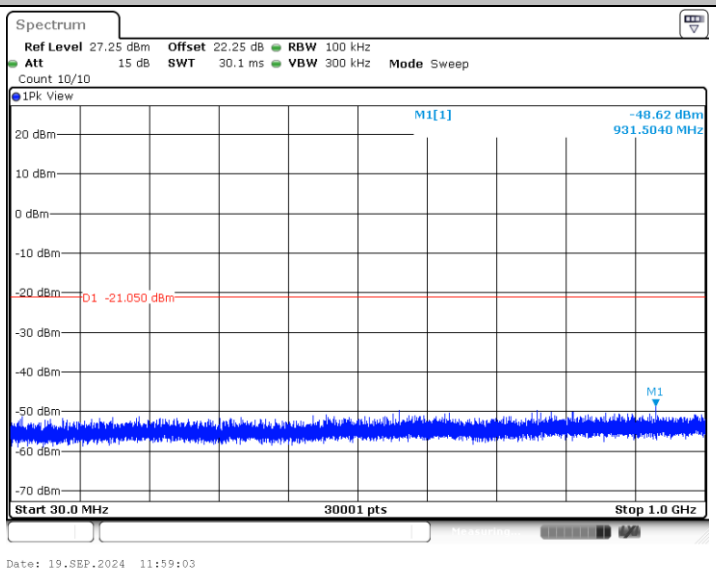
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
11B-CDD	Ant7	2412	30~1000	8.95	-48.62	≤-21.05	PASS
			1000~26500	8.95	-43.42	≤-21.05	PASS
	Ant9	2412	30~1000	8.99	-49.48	≤-21.01	PASS
			1000~26500	8.99	-42.85	≤-21.01	PASS
	Ant7	2437	30~1000	8.97	-49.95	≤-21.03	PASS
			1000~26500	8.97	-44.26	≤-21.03	PASS
	Ant9	2437	30~1000	9.10	-49.85	≤-20.9	PASS
			1000~26500	9.10	-43.67	≤-20.9	PASS
	Ant7	2462	30~1000	11.27	-48.96	≤-18.73	PASS
			1000~26500	11.27	-43.67	≤-18.73	PASS
	Ant9	2462	30~1000	10.89	-49.95	≤-19.11	PASS
			1000~26500	10.89	-43.75	≤-19.11	PASS
11G-CDD	Ant7	2412	30~1000	6.88	-49.5	≤-23.12	PASS
			1000~26500	6.88	-44.07	≤-23.12	PASS
	Ant9	2412	30~1000	7.58	-50.04	≤-22.42	PASS
			1000~26500	7.58	-44.03	≤-22.42	PASS
	Ant7	2437	30~1000	7.86	-50.1	≤-22.14	PASS
			1000~26500	7.86	-44.22	≤-22.14	PASS
	Ant9	2437	30~1000	8.01	-50.04	≤-21.99	PASS
			1000~26500	8.01	-44.03	≤-21.99	PASS
	Ant7	2462	30~1000	6.41	-48.67	≤-23.59	PASS
			1000~26500	6.41	-42.78	≤-23.59	PASS
	Ant9	2462	30~1000	6.56	-50.06	≤-23.44	PASS
			1000~26500	6.56	-43.57	≤-23.44	PASS
11AC20MIMO	Ant7	2412	30~1000	5.58	-49.3	≤-24.42	PASS
			1000~26500	5.58	-43.96	≤-24.42	PASS
	Ant9	2412	30~1000	5.86	-49.84	≤-24.14	PASS
			1000~26500	5.86	-43.6	≤-24.14	PASS
	Ant7	2437	30~1000	6.88	-50.03	≤-23.12	PASS
			1000~26500	6.88	-43.66	≤-23.12	PASS
	Ant9	2437	30~1000	6.79	-50.13	≤-23.21	PASS
			1000~26500	6.79	-44.03	≤-23.21	PASS
	Ant7	2462	30~1000	5.68	-49.31	≤-24.32	PASS

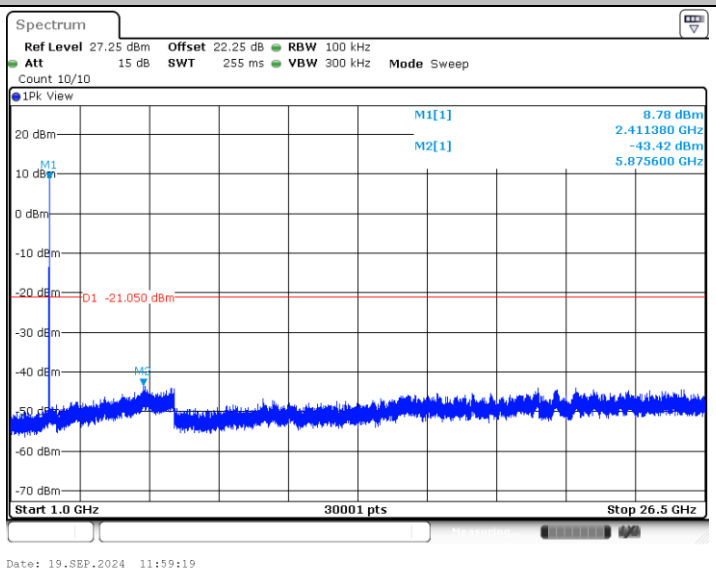
			1000~26500	5.68	-43.79	≤-24.32	PASS
	Ant9	2462	30~1000	5.75	-50.4	≤-24.25	PASS
			1000~26500	5.75	-43.55	≤-24.25	PASS
11AX20MIMO	Ant7	2412	30~1000	6.22	-49.55	≤-23.78	PASS
			1000~26500	6.22	-43.91	≤-23.78	PASS
	Ant9	2412	30~1000	6.12	-49.44	≤-23.88	PASS
			1000~26500	6.12	-42.95	≤-23.88	PASS
	Ant7	2437	30~1000	7.03	-50.02	≤-22.97	PASS
			1000~26500	7.03	-43.97	≤-22.97	PASS
	Ant9	2437	30~1000	7.27	-49.32	≤-22.73	PASS
			1000~26500	7.27	-43.57	≤-22.73	PASS
	Ant7	2462	30~1000	6.67	-49.8	≤-23.33	PASS
			1000~26500	6.67	-43.84	≤-23.33	PASS
	Ant9	2462	30~1000	7.32	-49.75	≤-22.68	PASS
			1000~26500	7.32	-43.75	≤-22.68	PASS

Test Graphs

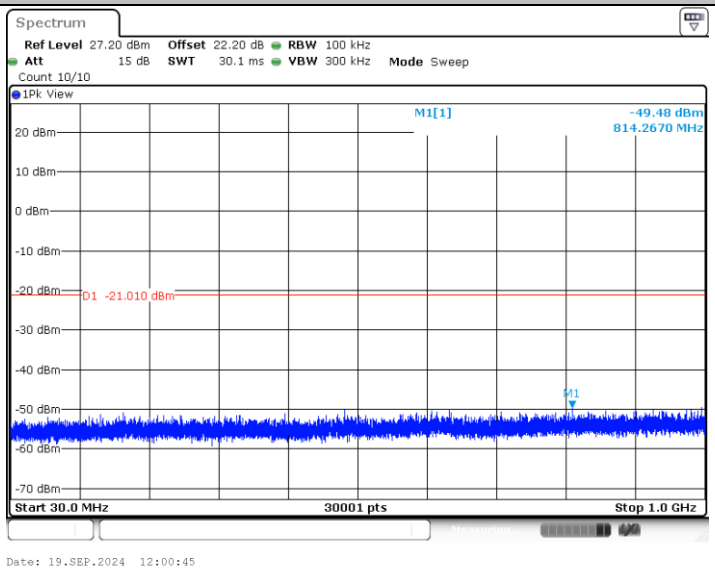
11B-CDD_Ant7_2412_30~1000



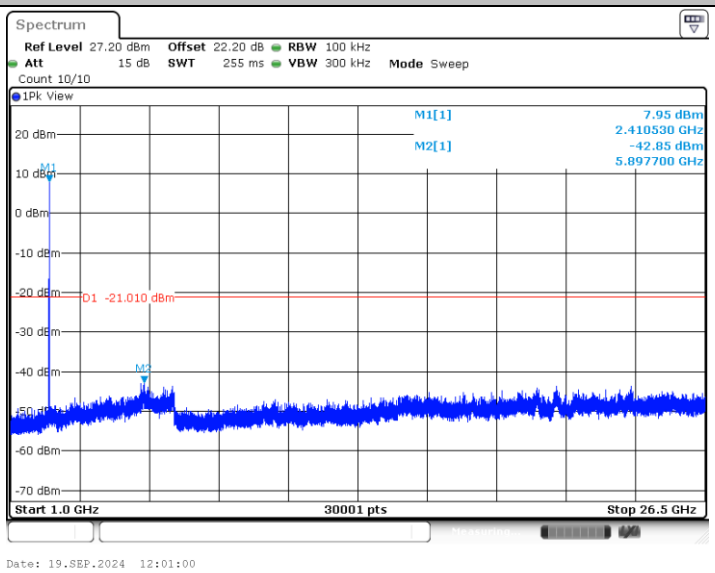
11B-CDD_Ant7_2412_1000~26500



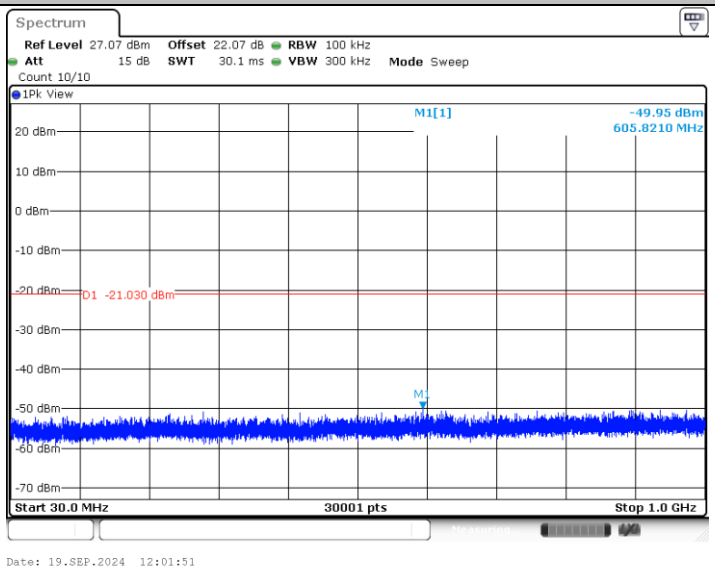
11B-CDD_Ant9_2412_30~1000



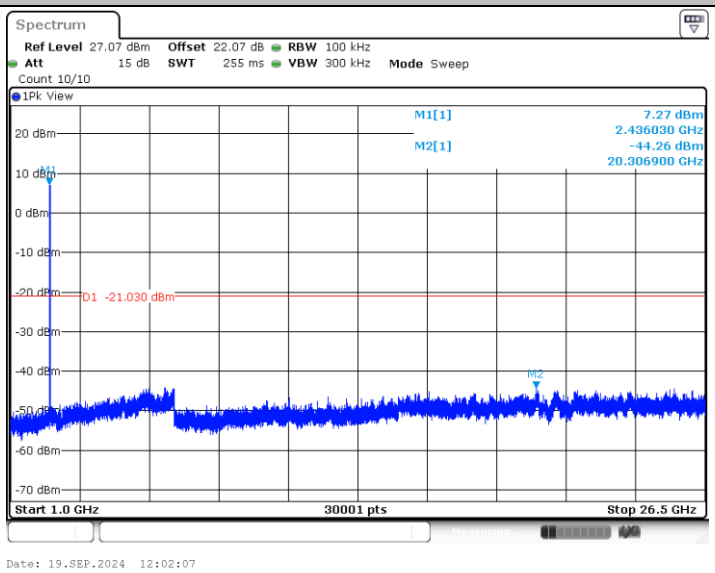
11B-CDD_Ant9_2412_1000~26500



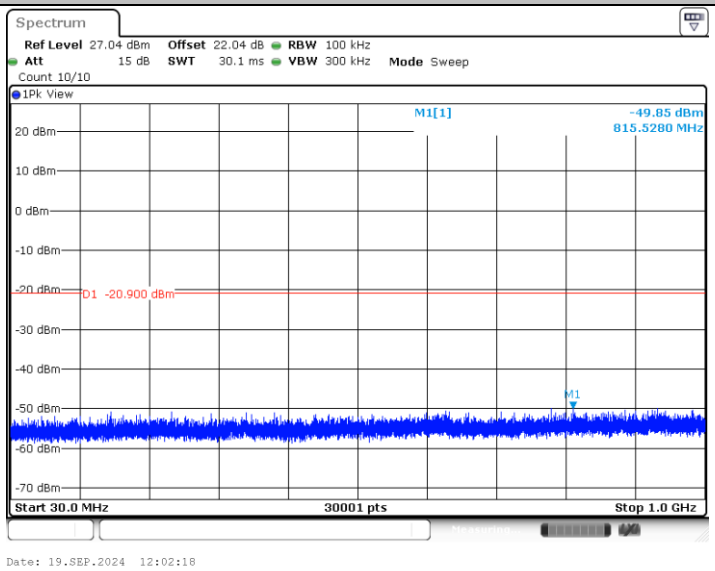
11B-CDD_Ant7_2437_30~1000



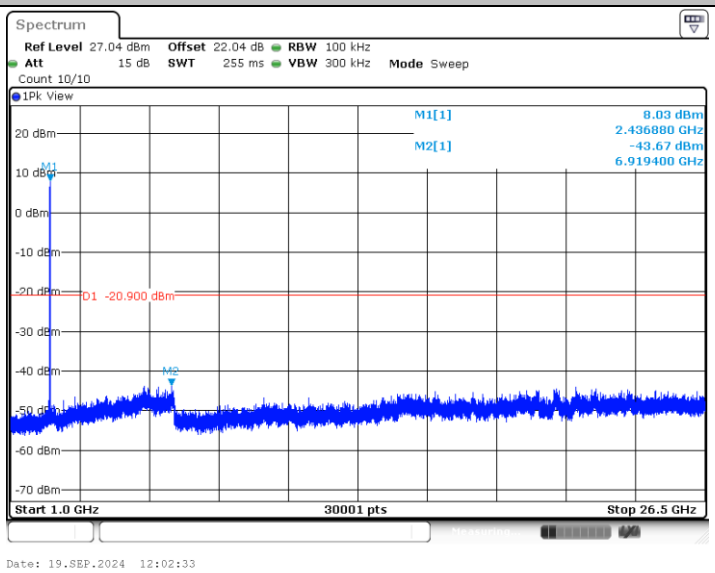
11B-CDD_Ant7_2437_1000~26500



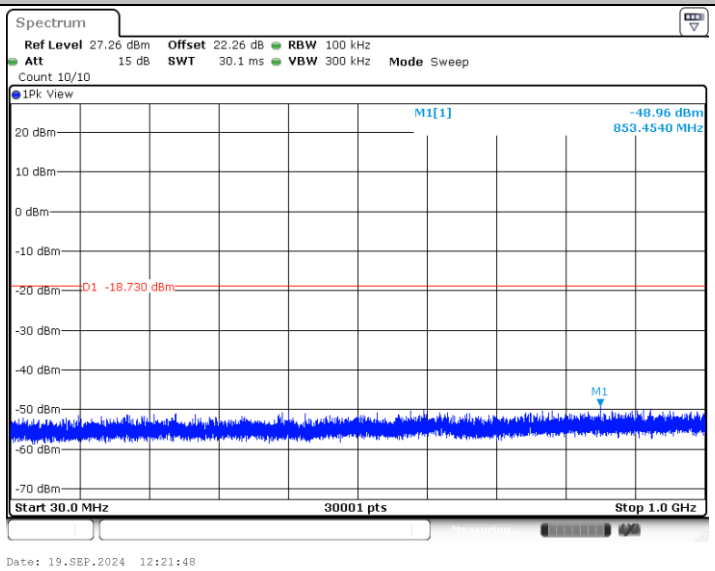
11B-CDD_Ant9_2437_30~1000



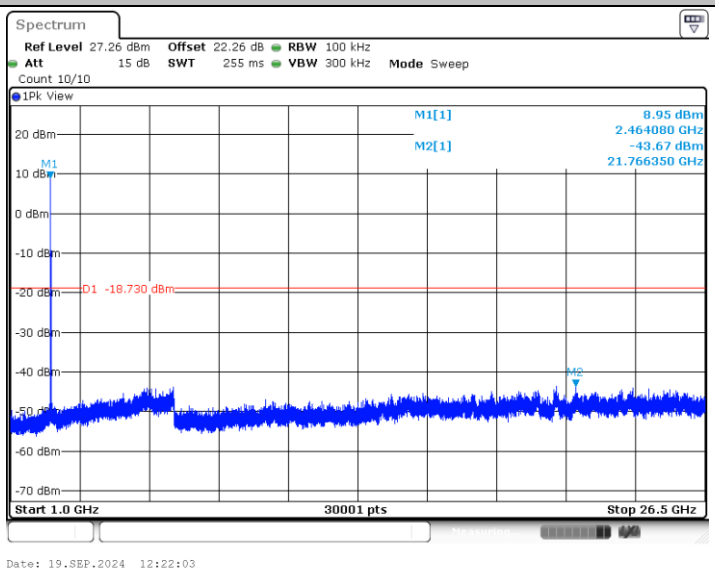
11B-CDD_Ant9_2437_1000~26500



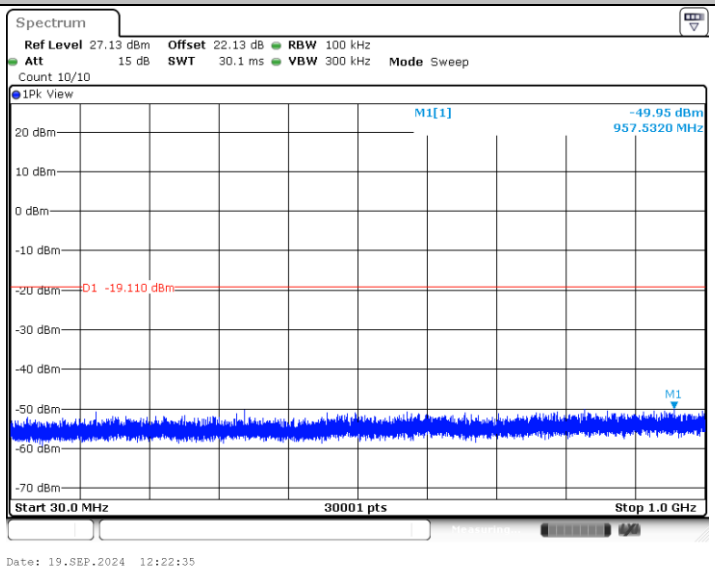
11B-CDD_Ant7_2462_30~1000



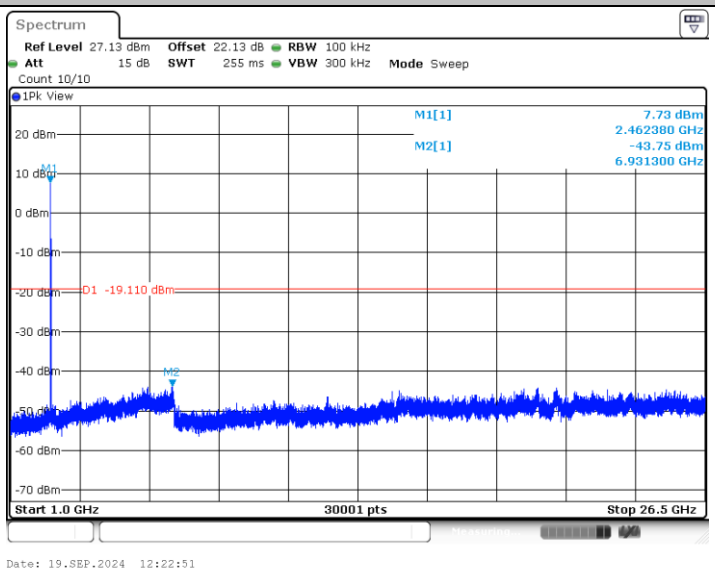
11B-CDD_Ant7_2462_1000~26500



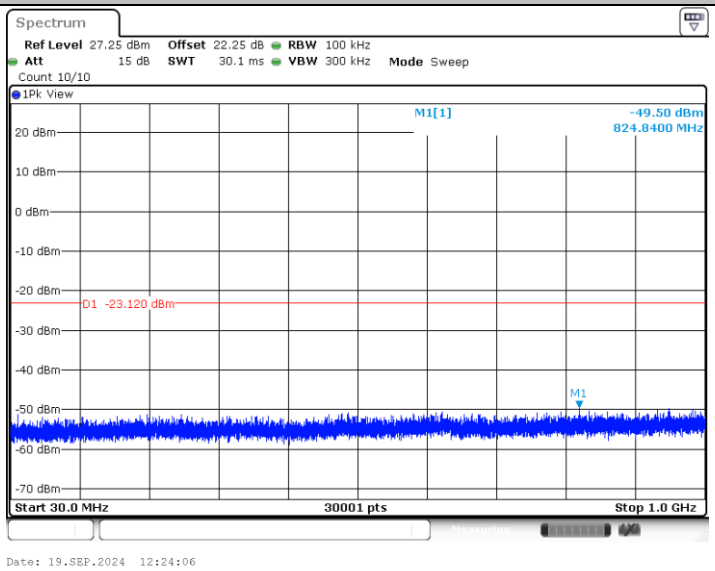
11B-CDD_Ant9_2462_30~1000



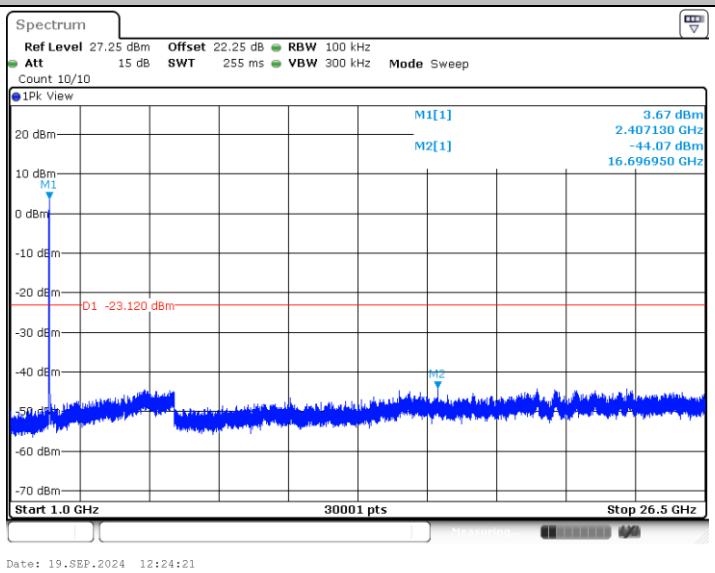
11B-CDD_Ant9_2462_1000~26500



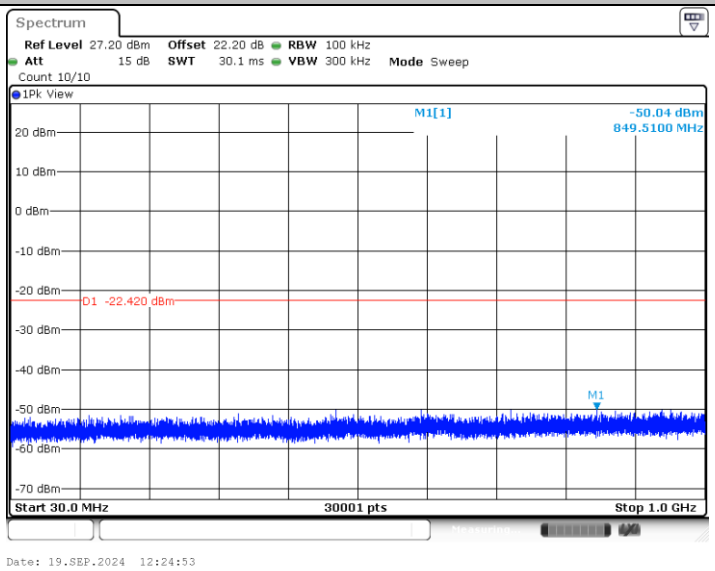
11G-CDD_Ant7_2412_30~1000



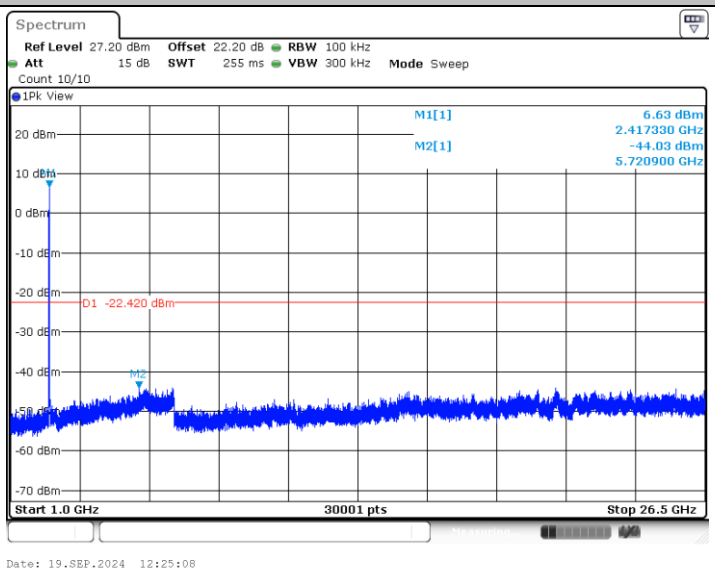
11G-CDD_Ant7_2412_1000~26500



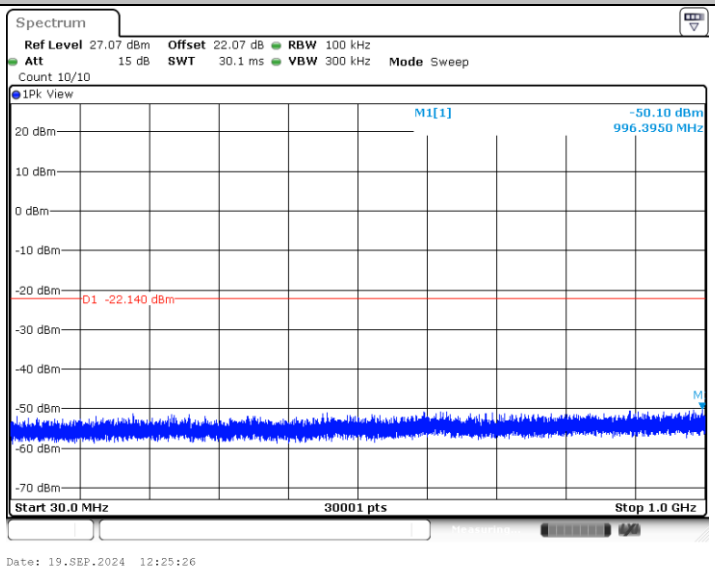
11G-CDD_Ant9_2412_30~1000



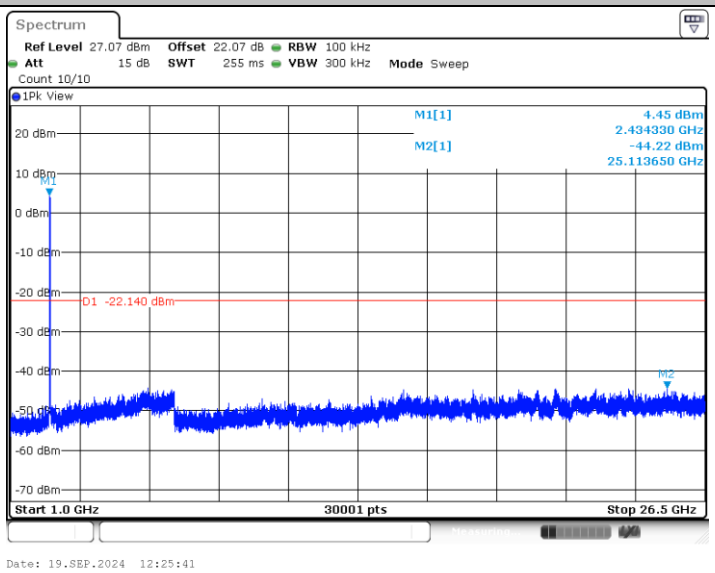
11G-CDD_Ant9_2412_1000~26500



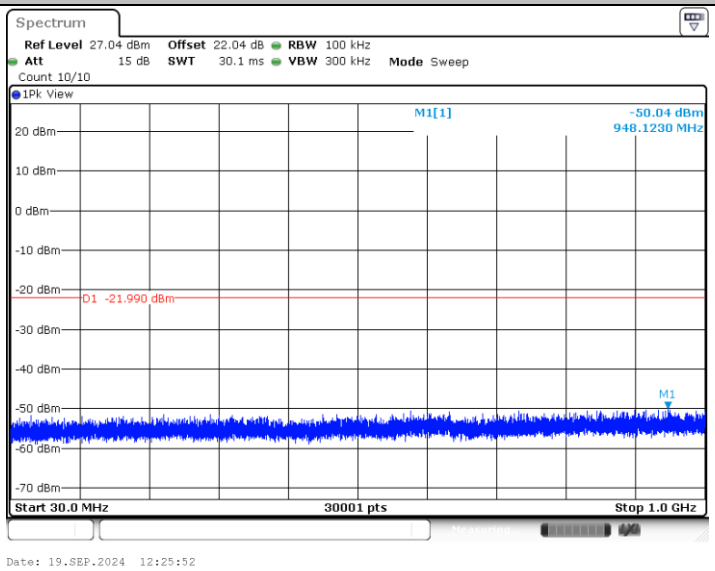
11G-CDD_Ant7_2437_30~1000



11G-CDD_Ant7_2437_1000~26500



11G-CDD_Ant9_2437_30~1000



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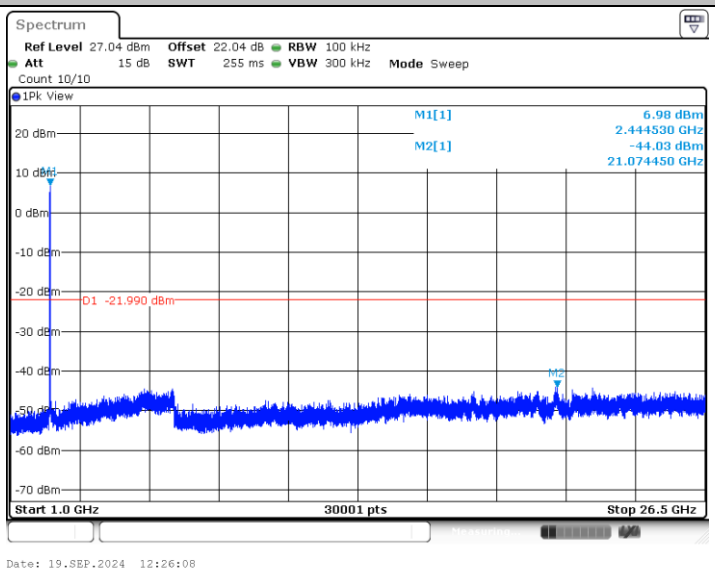
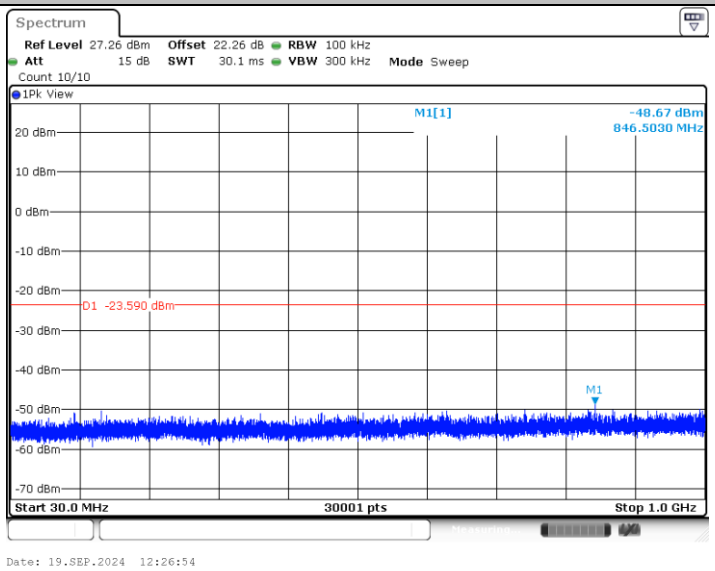
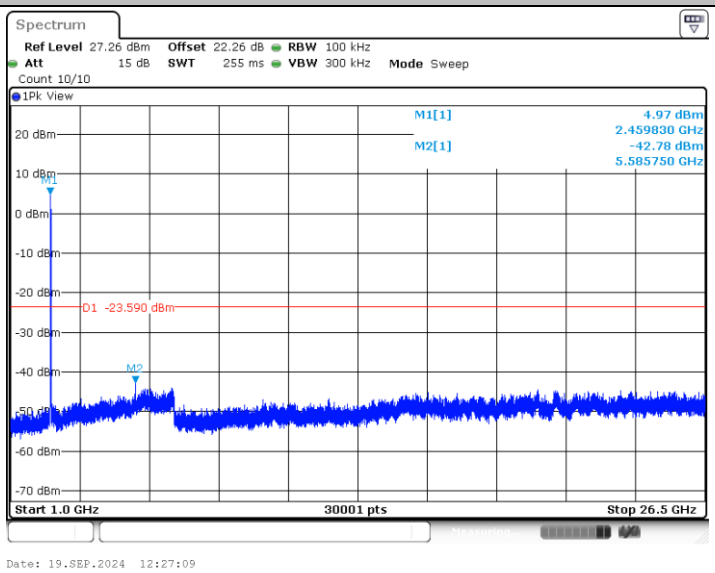


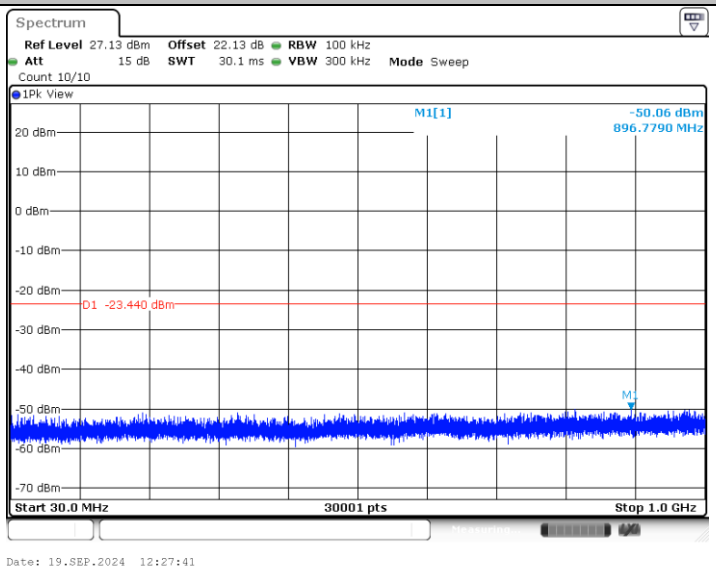
11G-CDD_Ant7_2462_30~1000



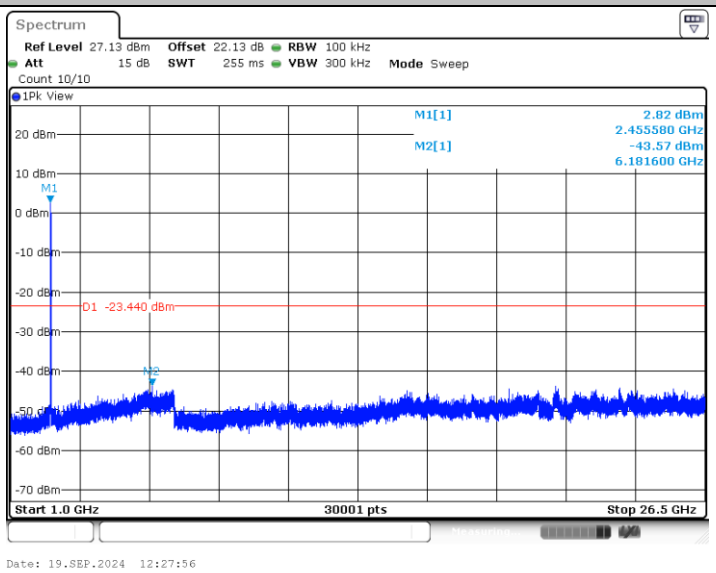
11G-CDD_Ant7_2462_1000~26500



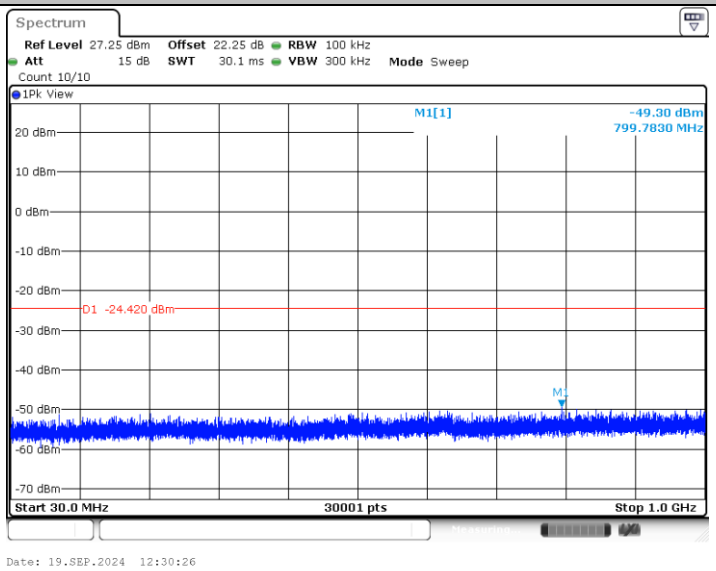
11G-CDD_Ant9_2462_30~1000



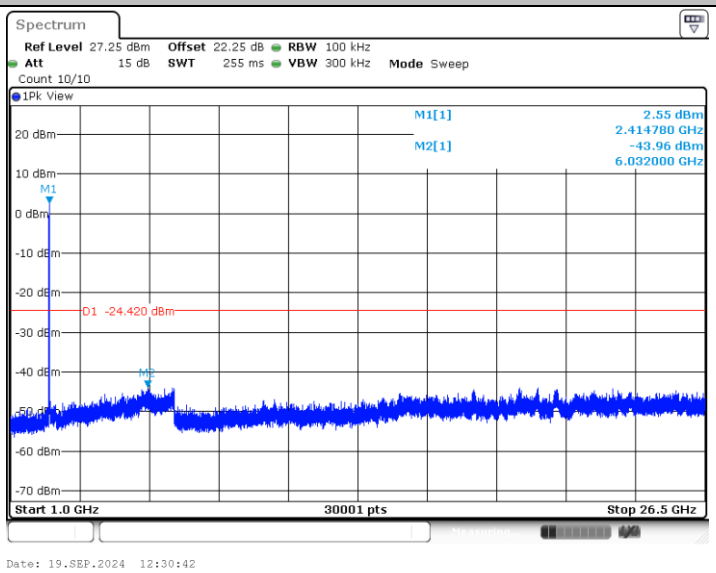
11G-CDD_Ant9_2462_1000~26500



11AC20MIMO_Ant7_2412_30~1000



11AC20MIMO_Ant7_2412_1000~26500



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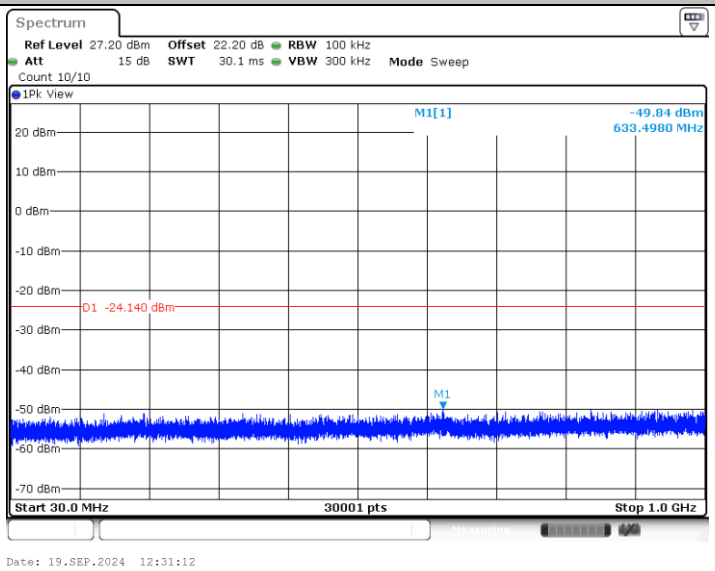
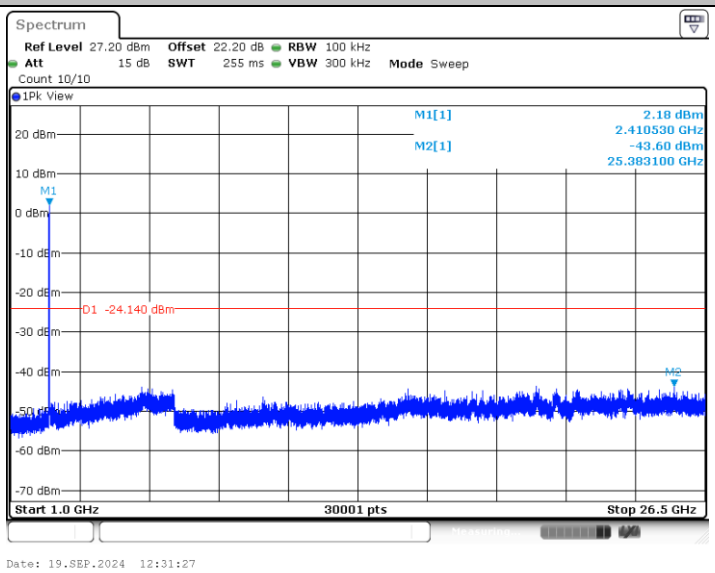


11AC20MIMO_Ant9_2412_1000~26500



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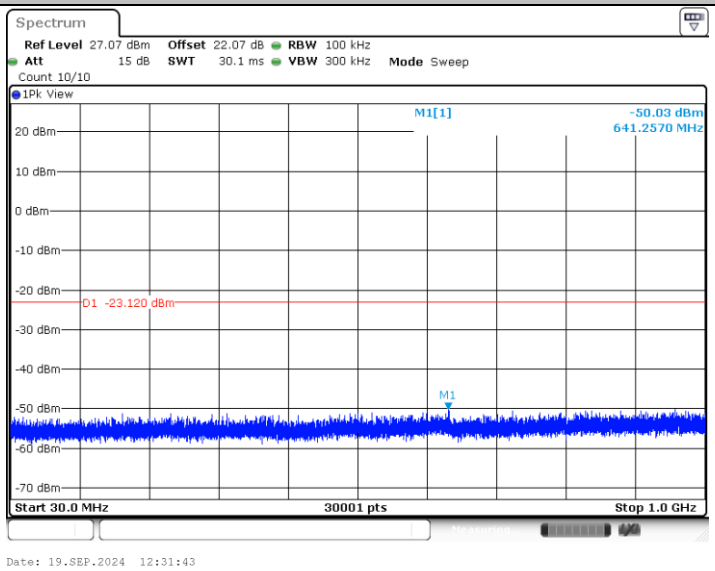
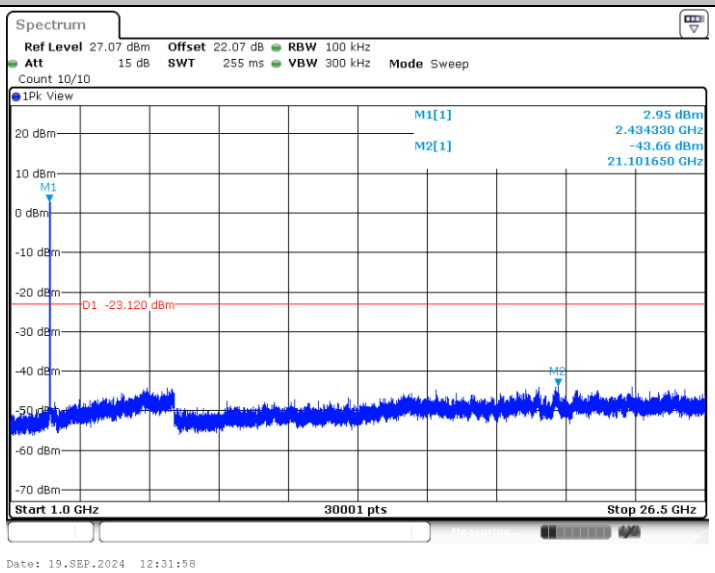


11AC20MIMO_Ant7_2437_1000~26500



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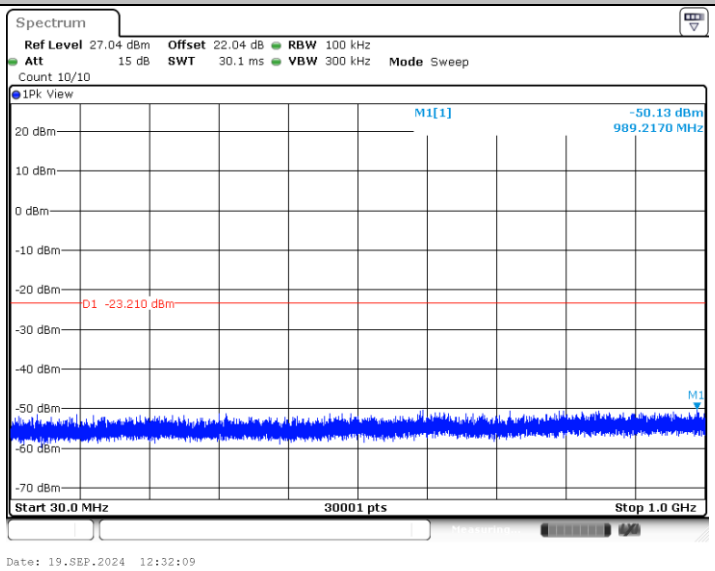

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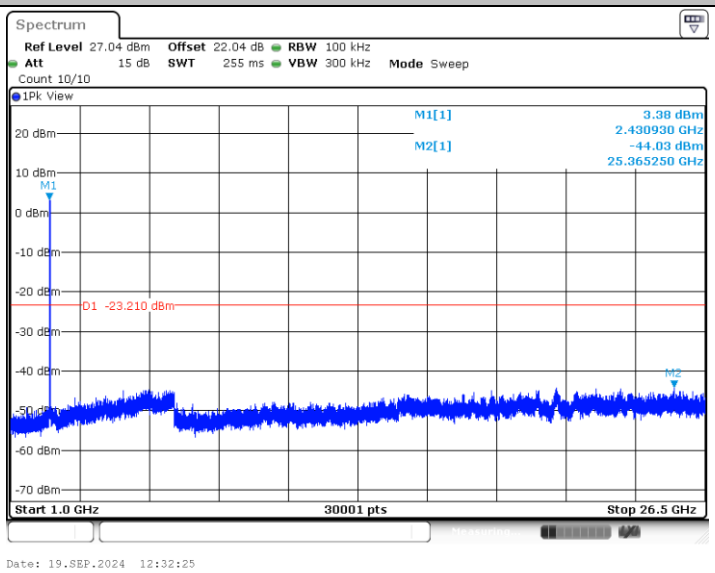
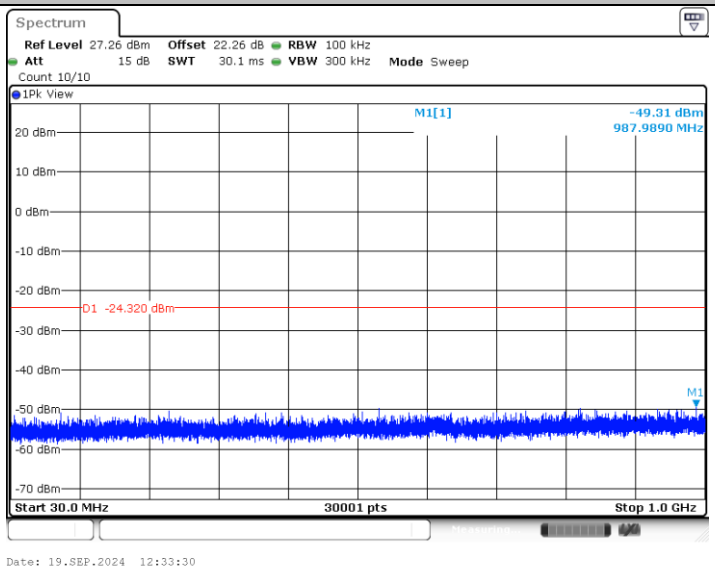


11AC20MIMO_Ant7_2462_30~1000



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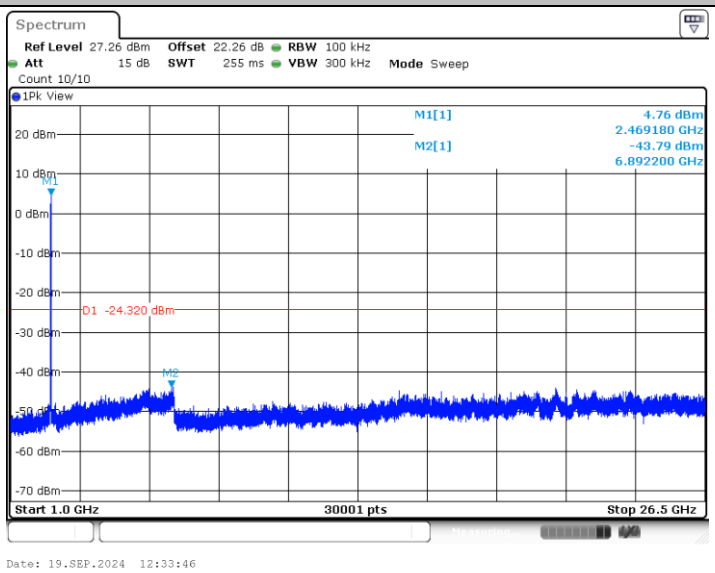
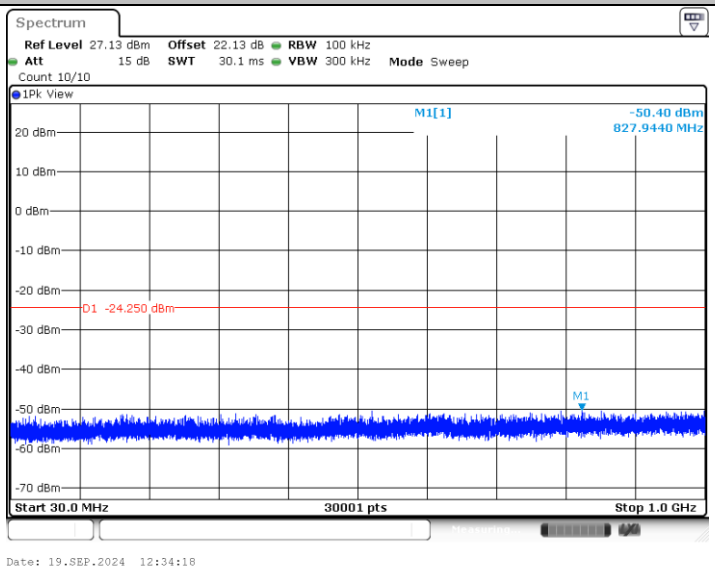
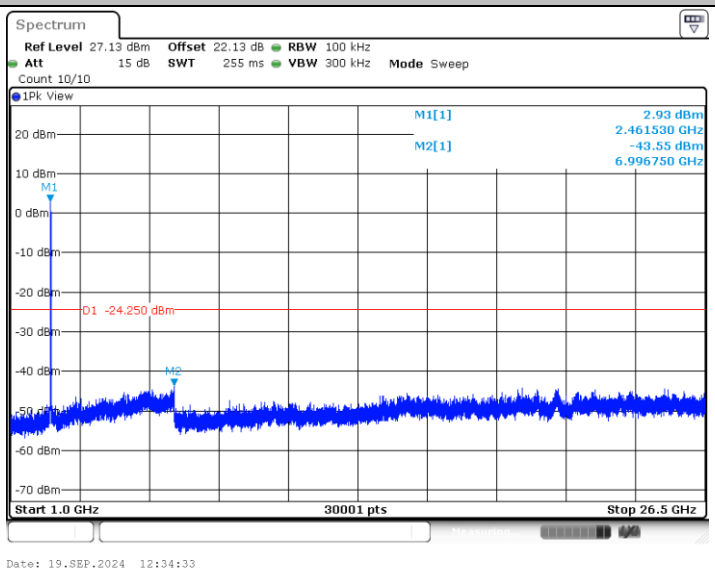


11AC20MIMO_Ant9_2462_30~1000



11AC20MIMO_Ant9_2462_1000~26500



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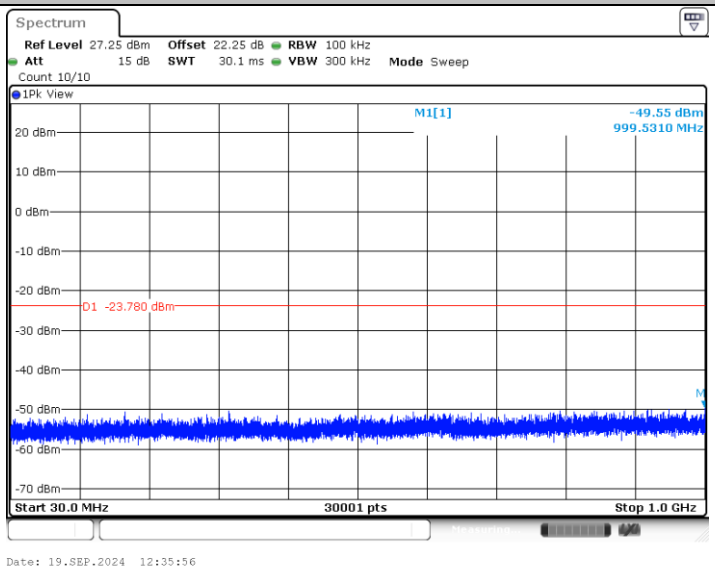

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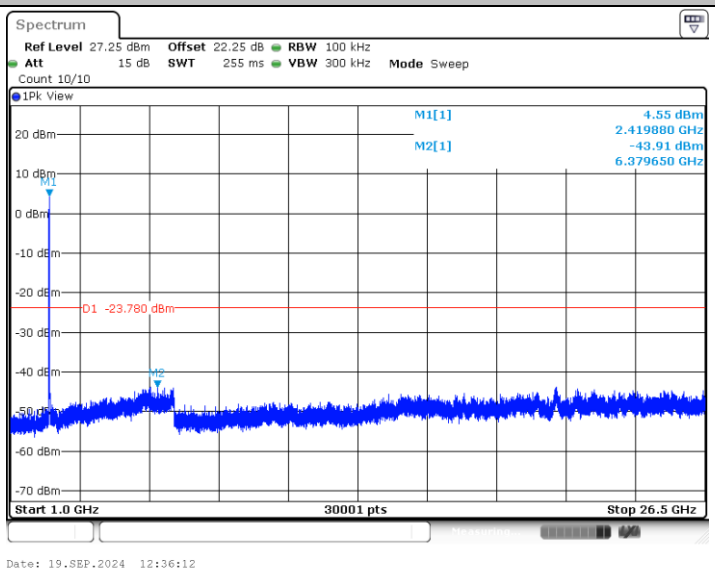

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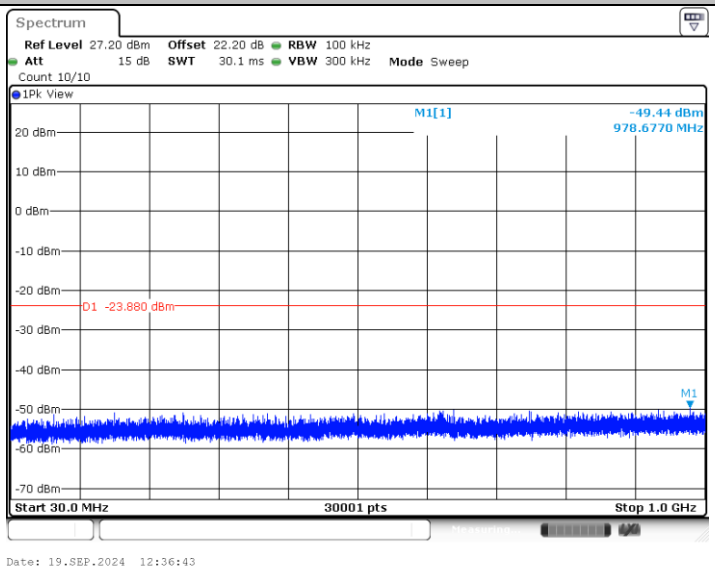
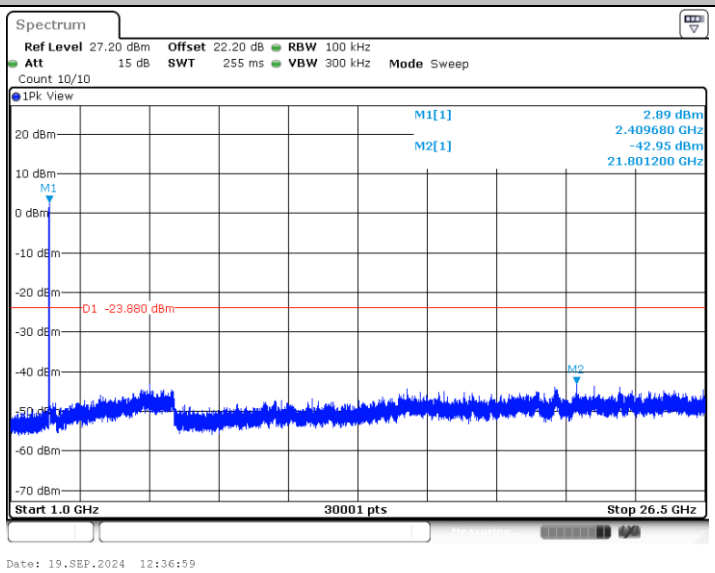
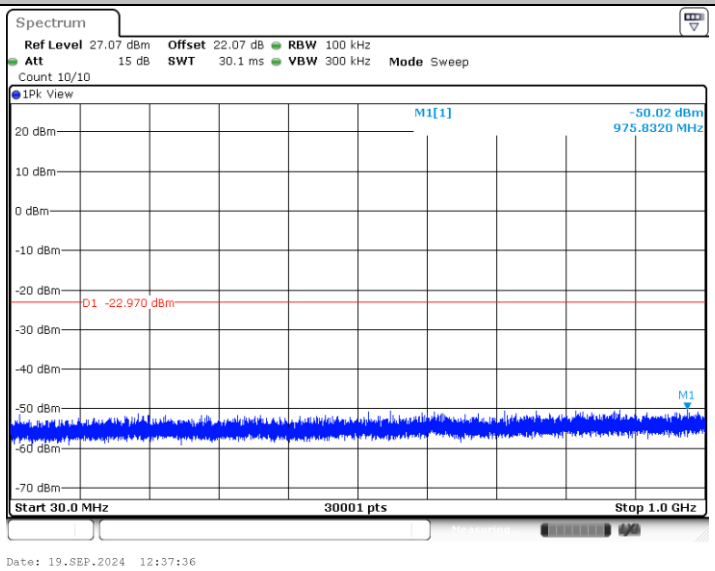


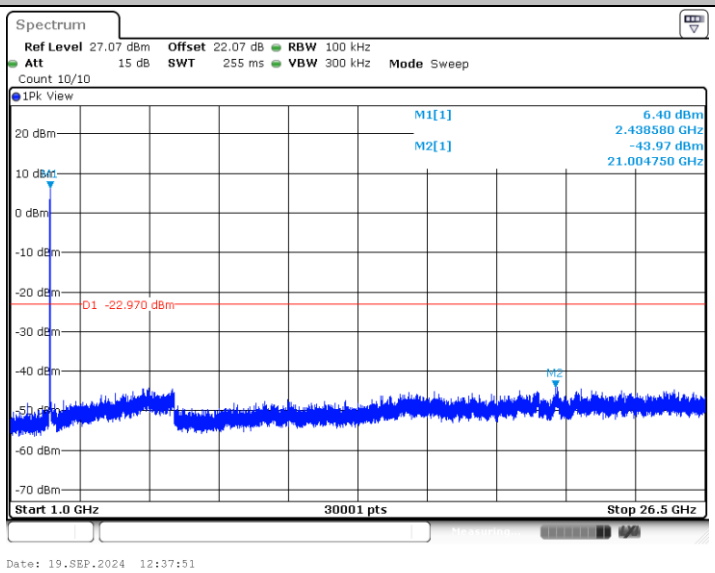
11AX20MIMO_Ant9_2412_1000~26500



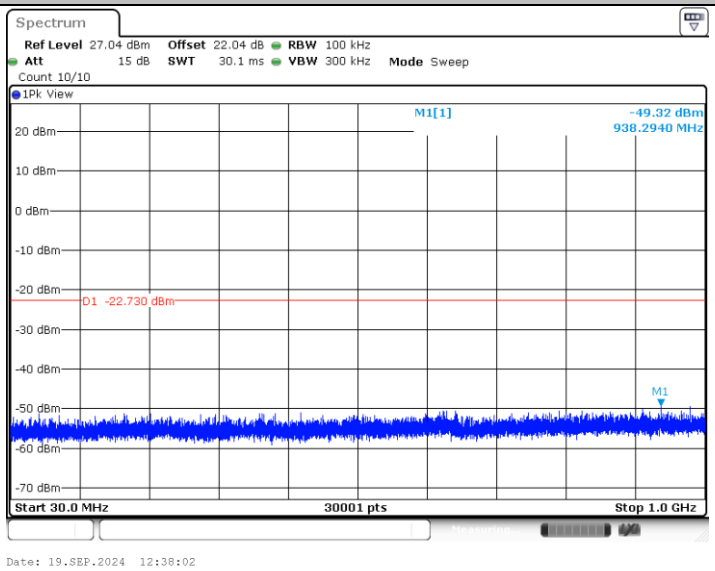
11AX20MIMO_Ant7_2437_30~1000



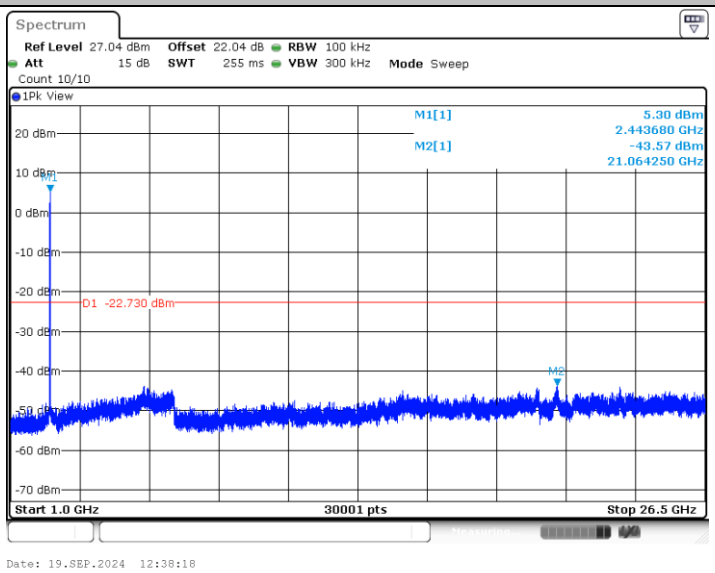
11AX20MIMO_Ant7_2437_1000~26500



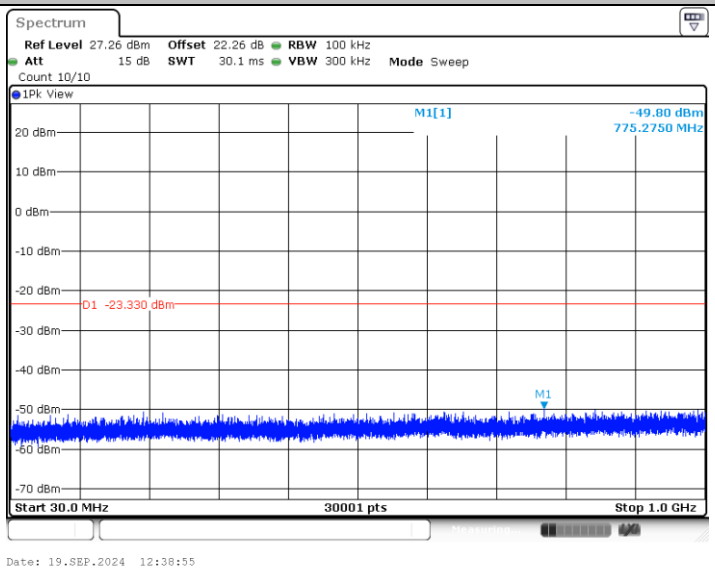
11AX20MIMO_Ant9_2437_30~1000



11AX20MIMO_Ant9_2437_1000~26500



11AX20MIMO_Ant7_2462_30~1000



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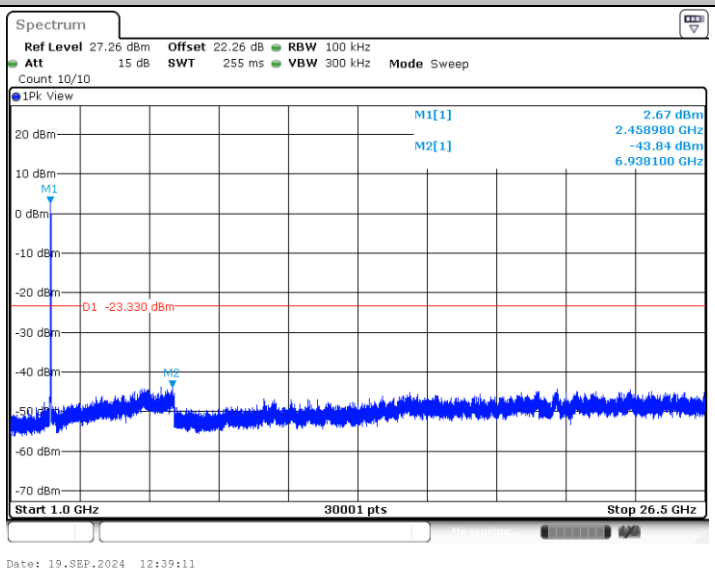

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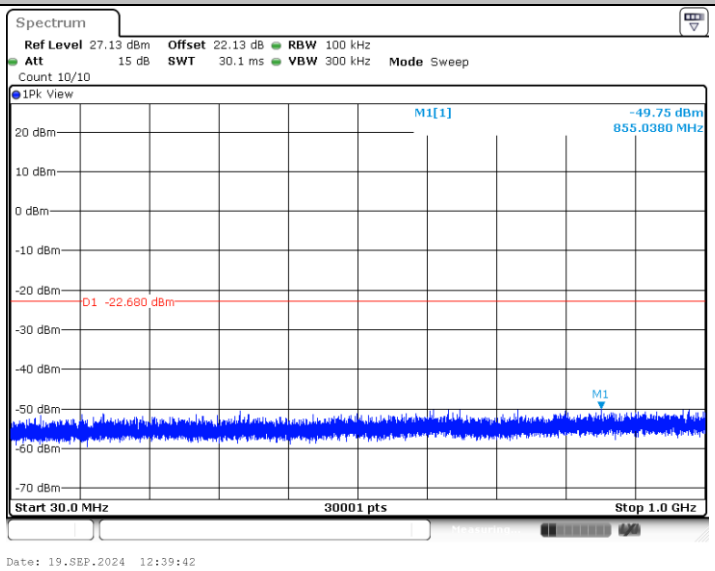

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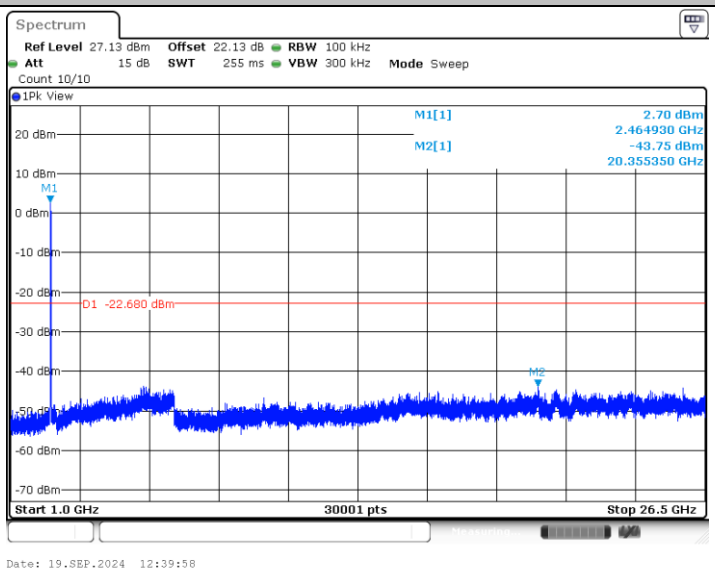


<802.11axPartial RU>

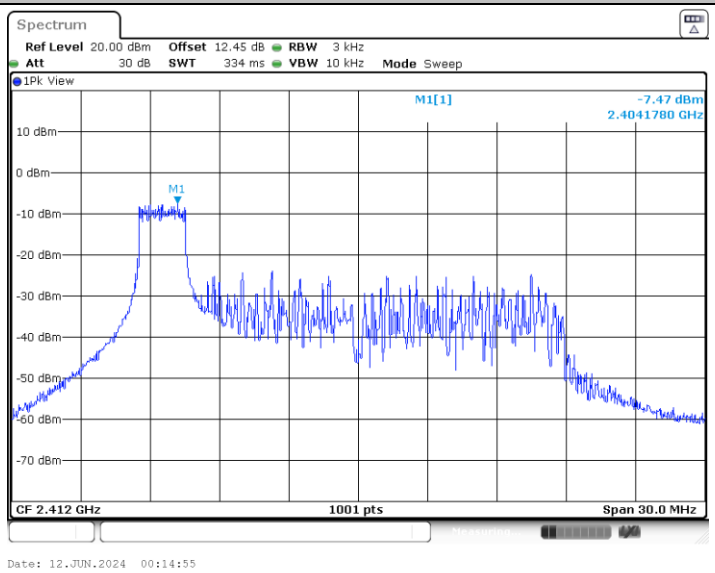
Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	RuSize	RuIndex	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11AX20MIMO	Ant7	2412	26Tone	RU0	-7.47	≤8.00	PASS
			52Tone	RU37	-7.41	≤8.00	PASS
			106Tone	RU53	-7.07	≤8.00	PASS
	Ant9	2412	26Tone	RU0	-8.16	≤8.00	PASS
			52Tone	RU37	-8.24	≤8.00	PASS
			106Tone	RU53	-7.59	≤8.00	PASS
	total	2412	26Tone	RU0	-4.79	≤8.00	PASS
			52Tone	RU37	-4.79	≤8.00	PASS
			106Tone	RU53	-4.31	≤8.00	PASS
	Ant7	2437	26Tone	RU0	-7.11	≤8.00	PASS
			52Tone	RU37	-7.43	≤8.00	PASS
			106Tone	RU53	-7.17	≤8.00	PASS
	Ant9	2437	26Tone	RU0	-7.50	≤8.00	PASS
			52Tone	RU37	-7.06	≤8.00	PASS
			106Tone	RU53	-6.85	≤8.00	PASS
	total	2437	26Tone	RU0	-4.29	≤8.00	PASS
			52Tone	RU37	-4.23	≤8.00	PASS
			106Tone	RU53	-4.00	≤8.00	PASS
	Ant7	2462	26Tone	RU8	-8.40	≤8.00	PASS
			52Tone	RU40	-8.49	≤8.00	PASS
			106Tone	RU54	-8.46	≤8.00	PASS
	Ant9	2462	26Tone	RU8	-8.46	≤8.00	PASS
			52Tone	RU40	-8.44	≤8.00	PASS
			106Tone	RU54	-8.30	≤8.00	PASS
	total	2462	26Tone	RU8	-5.42	≤8.00	PASS
			52Tone	RU40	-5.45	≤8.00	PASS
			106Tone	RU54	-5.37	≤8.00	PASS

Test Graphs

11AX20MIMO_Ant7_2412_26Tone_RU0



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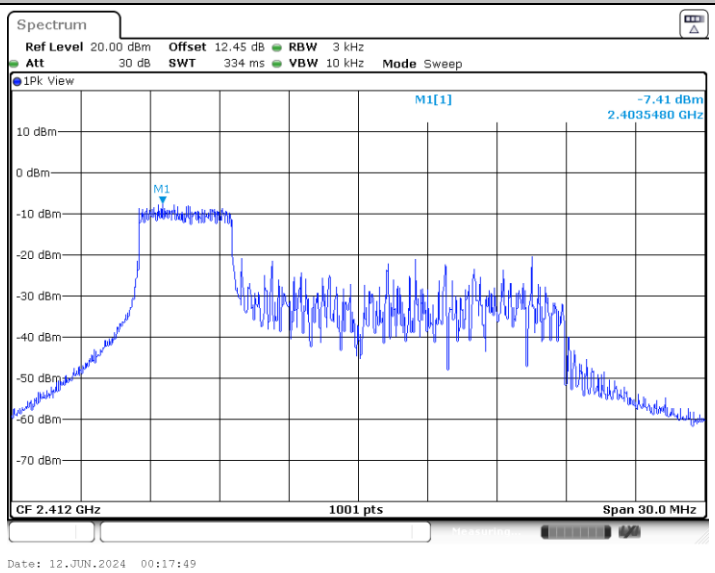

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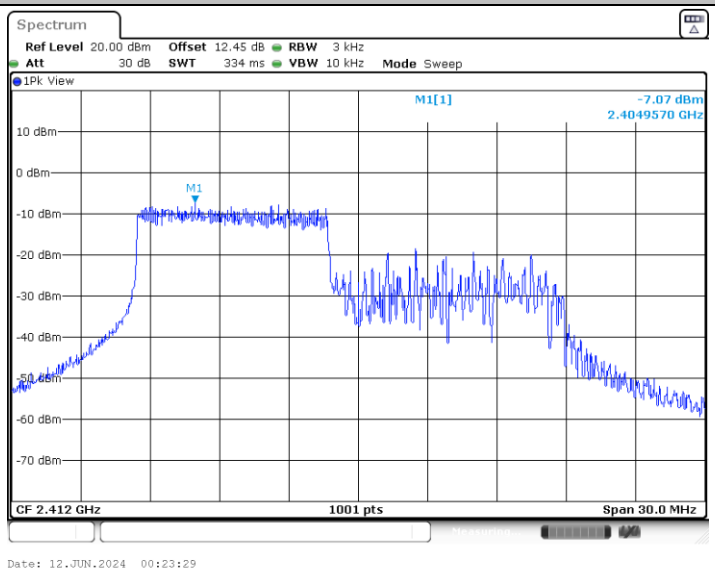

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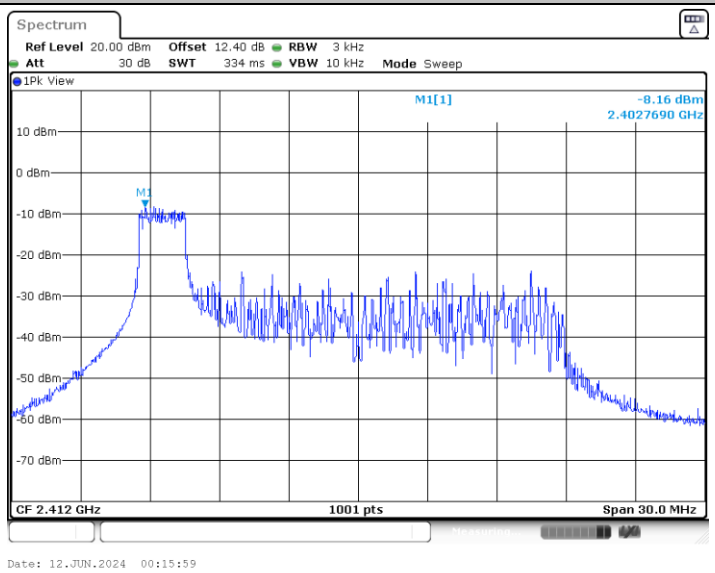

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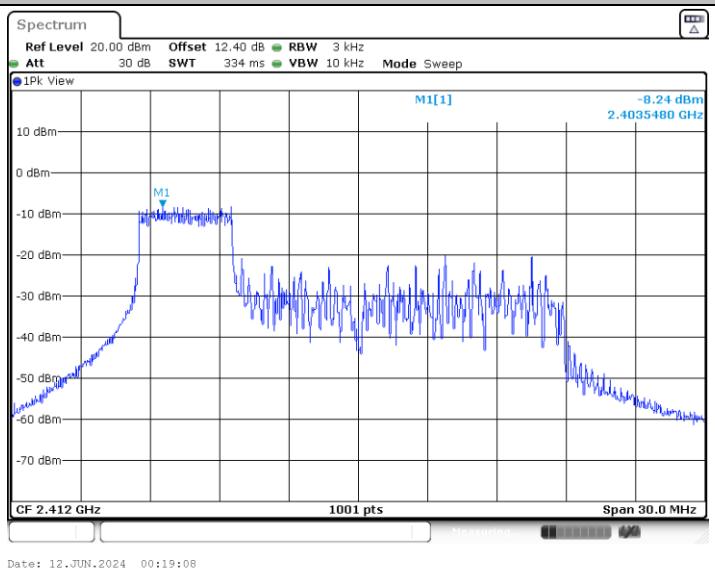

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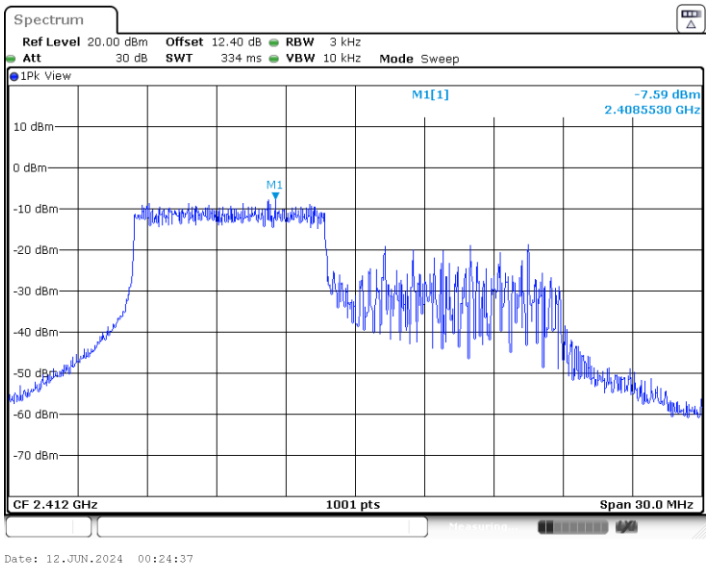

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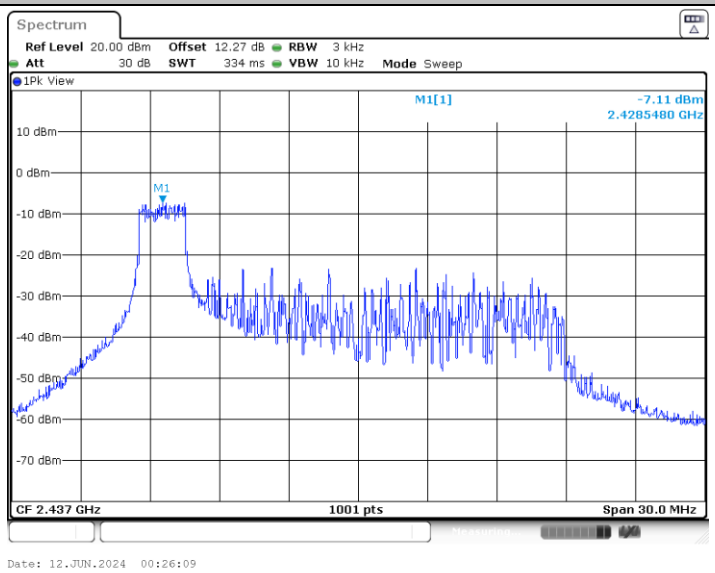

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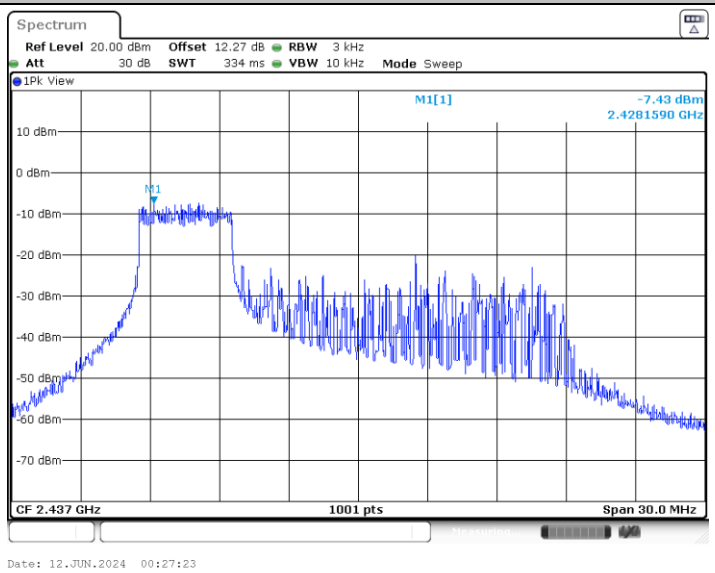

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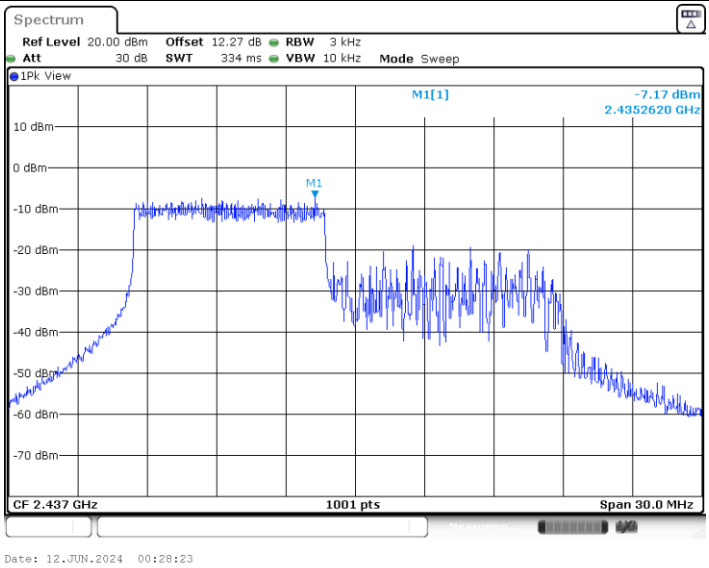

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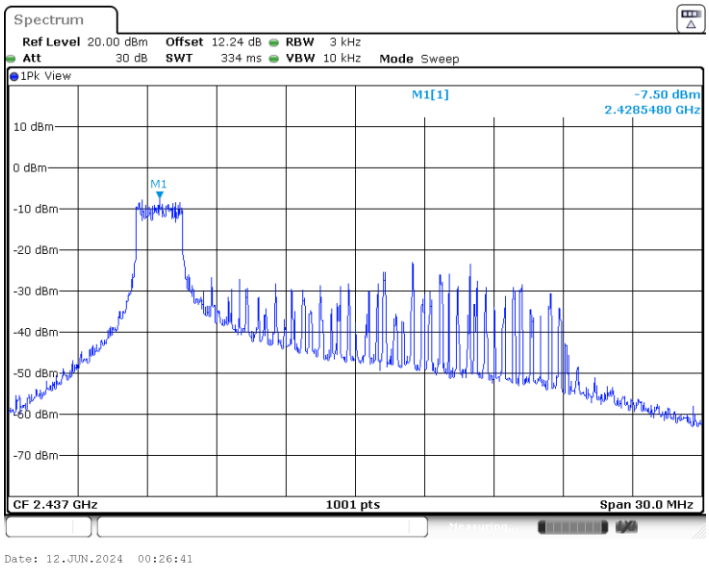

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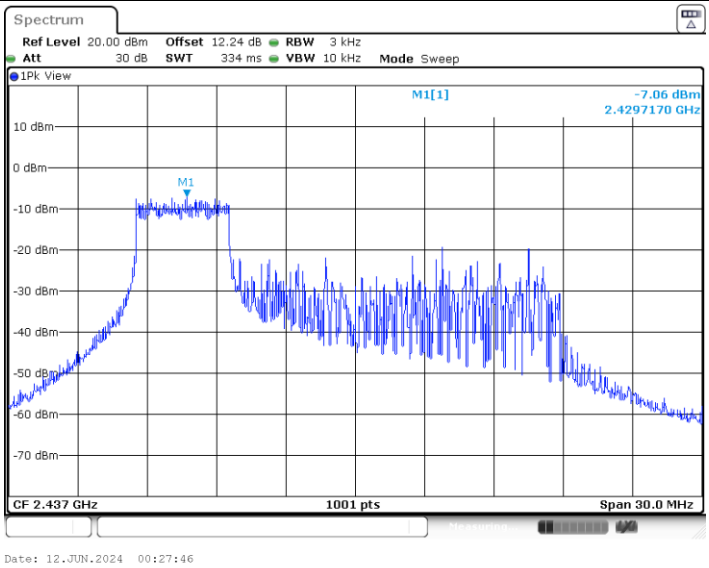

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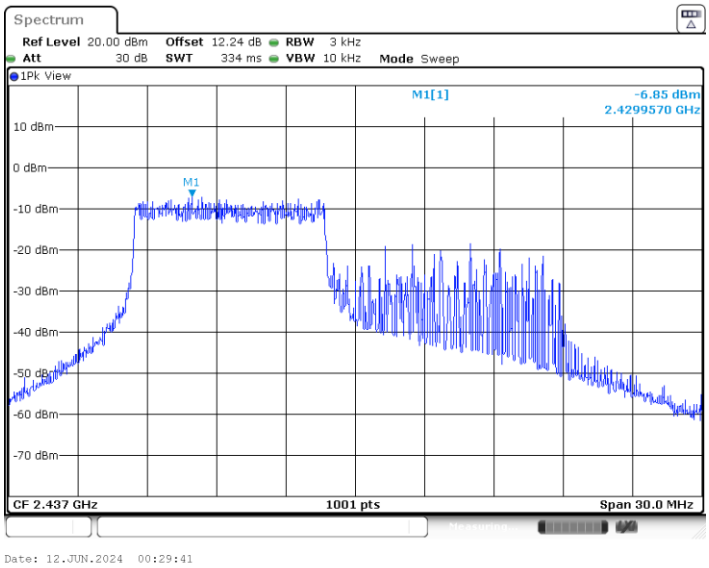

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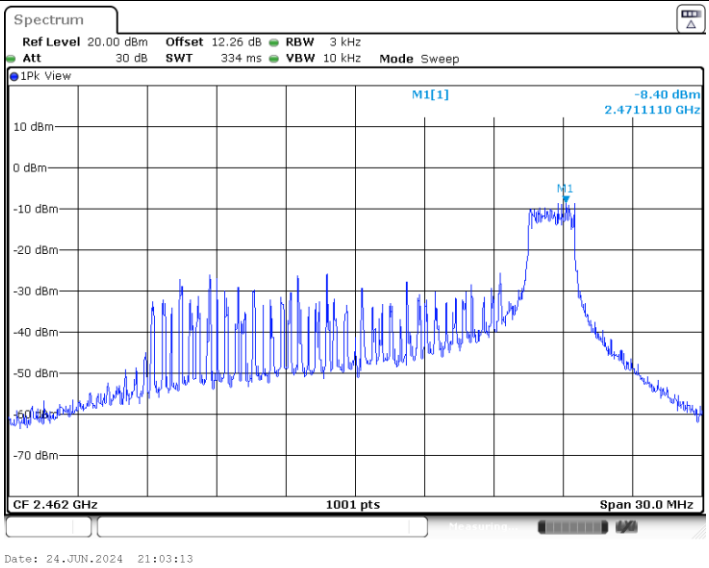

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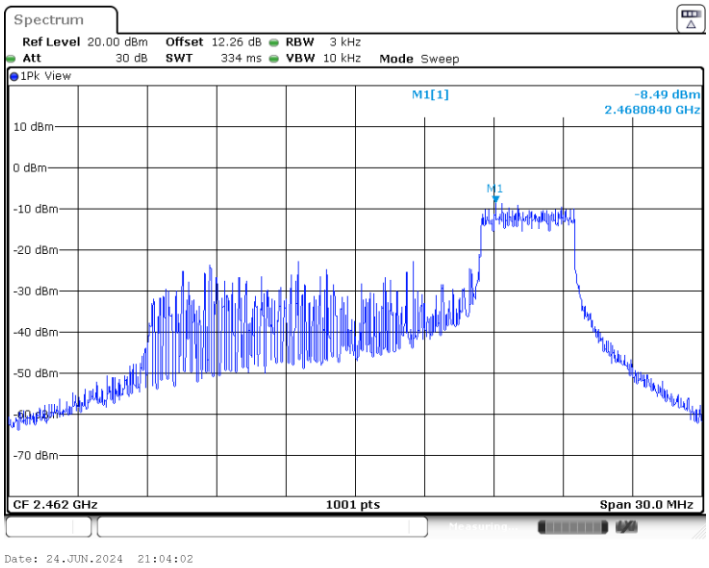

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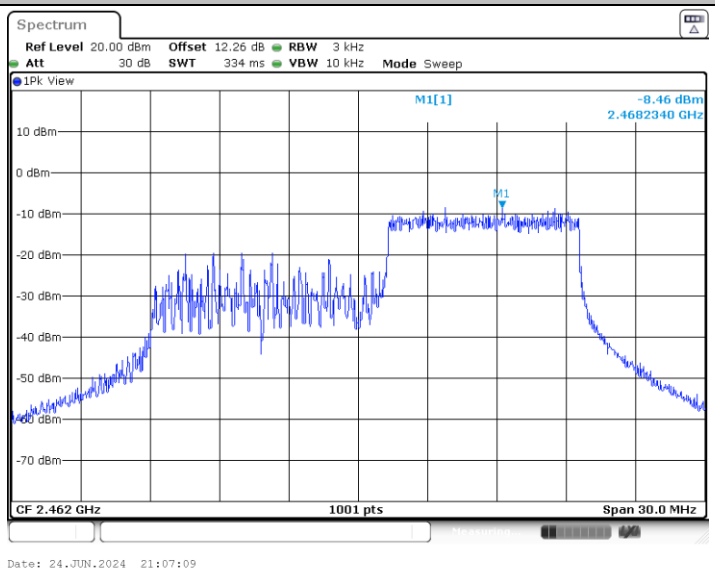

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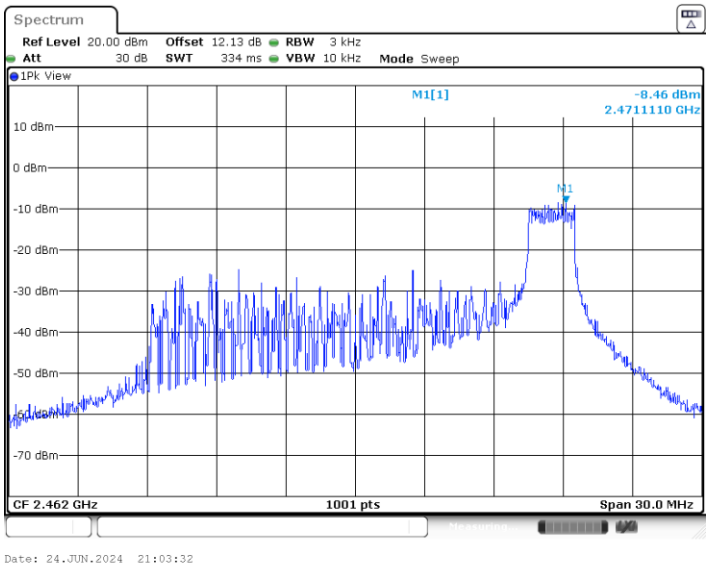

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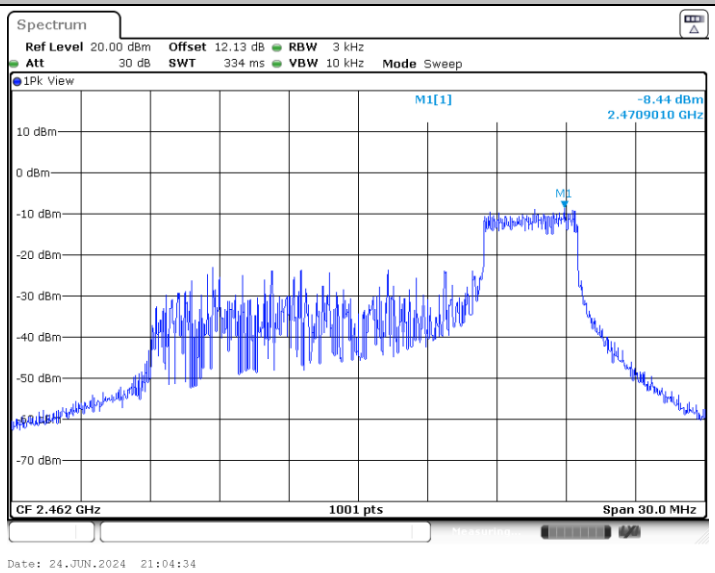

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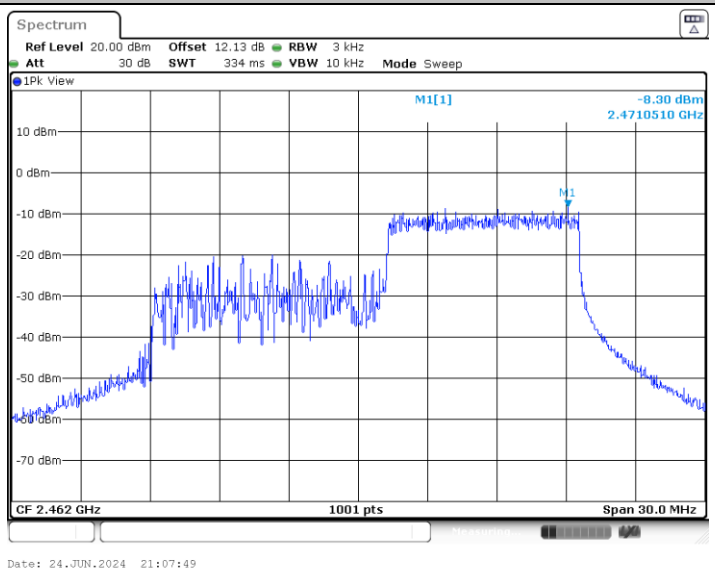
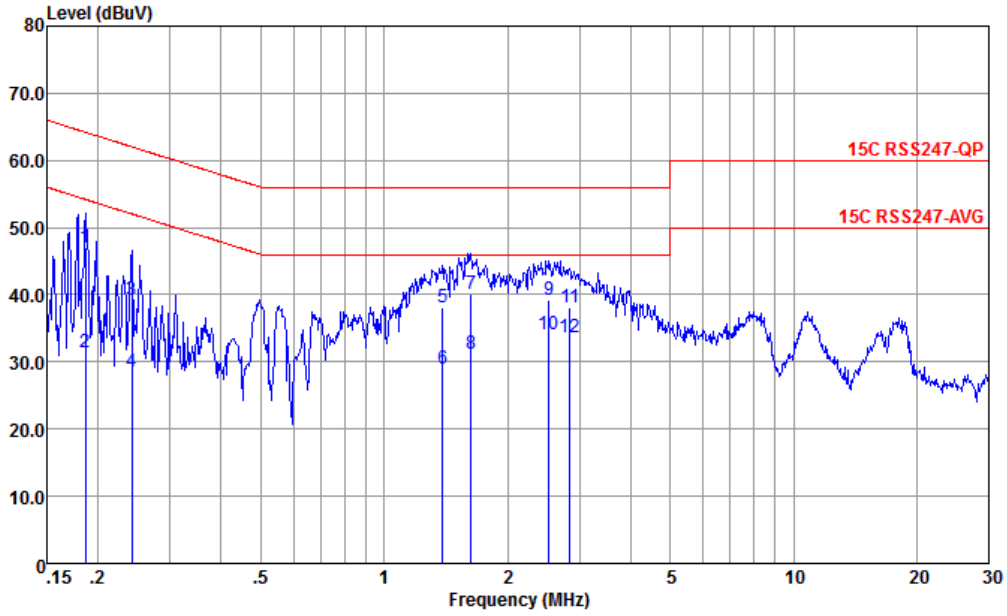


Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos	**Temperature :**	25.3~26.2℃
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-L 2023 LINE

	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.186	47.05	-17.15	64.20	36.61	0.03	10.41	QP
2	0.186	31.47	-22.73	54.20	21.03	0.03	10.41	Average
3	0.242	39.31	-22.73	62.04	28.91	0.03	10.37	QP
4	0.242	28.61	-23.43	52.04	18.21	0.03	10.37	Average
5	1.388	38.17	-17.83	56.00	28.21	-0.12	10.08	QP
6	1.388	28.87	-17.13	46.00	18.91	-0.12	10.08	Average
7	1.628	40.15	-15.85	56.00	30.20	-0.13	10.08	QP
8	1.628	31.25	-14.75	46.00	21.30	-0.13	10.08	Average
9	2.527	39.17	-16.83	56.00	29.21	-0.11	10.07	QP
10 *	2.527	34.07	-11.93	46.00	24.11	-0.11	10.07	Average
11	2.839	38.18	-17.82	56.00	28.20	-0.09	10.07	QP
12	2.839	33.58	-12.42	46.00	23.60	-0.09	10.07	Average