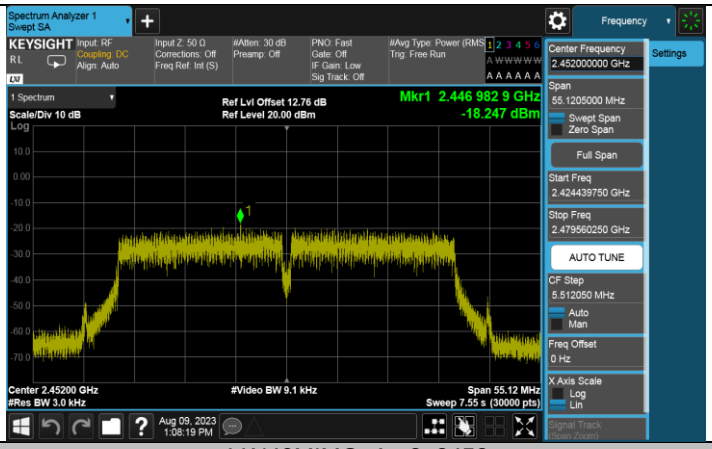


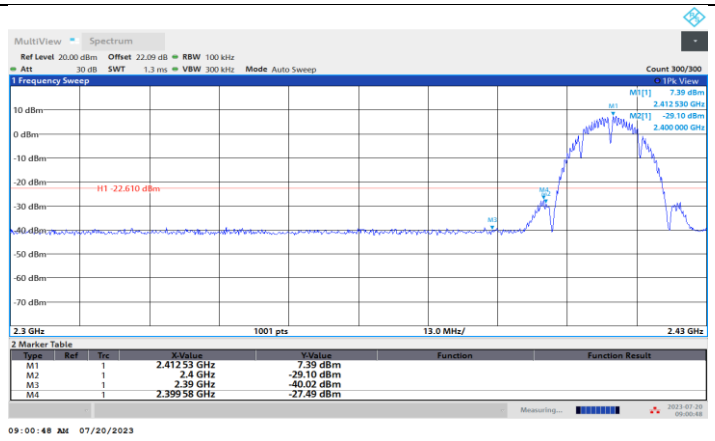
11N40MIMO_Ant2_2452

11.5. APPENDIX E: BAND EDGE MEASUREMENTS

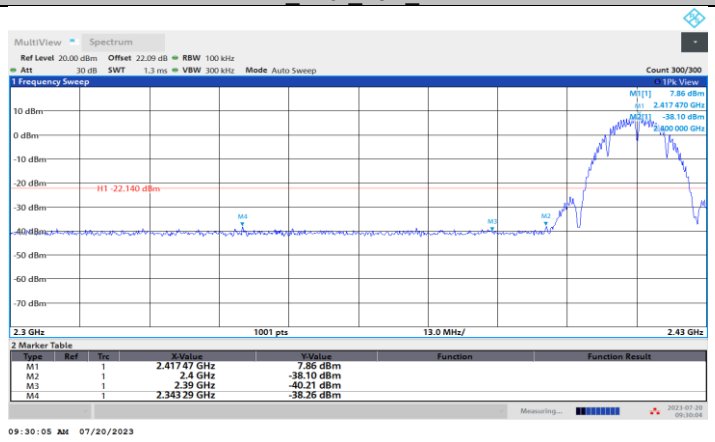
11.5.1. Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.39	-27.49	≤-22.61	PASS
			2417	7.86	-38.26	≤-22.14	PASS
		High	2457	7.31	-38.27	≤-22.69	PASS
			2462	7.18	-38.16	≤-22.82	PASS
11G-CDD	Ant1	Low	2412	4.51	-27.14	≤-25.49	PASS
			2417	4.48	-32.89	≤-25.52	PASS
		High	2457	4.30	-38.22	≤-25.7	PASS
			2462	4.32	-37.06	≤-25.68	PASS
11N20MIMO	Ant1	Low	2412	4.91	-27.31	≤-25.09	PASS
			2417	4.97	-31.09	≤-25.03	PASS
		High	2457	4.88	-37.49	≤-25.12	PASS
			2462	4.89	-33.89	≤-25.11	PASS
11N40MIMO	Ant1	Low	2422	0.92	-32.03	≤-29.08	PASS
			2427	1.35	-33.79	≤-28.65	PASS
		High	2447	1.41	-36.38	≤-28.59	PASS
			2452	1.33	-35.08	≤-28.67	PASS

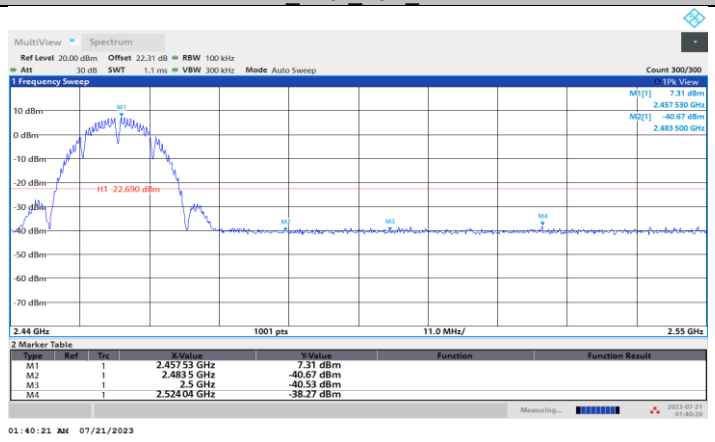
11.5.2. Test Graphs



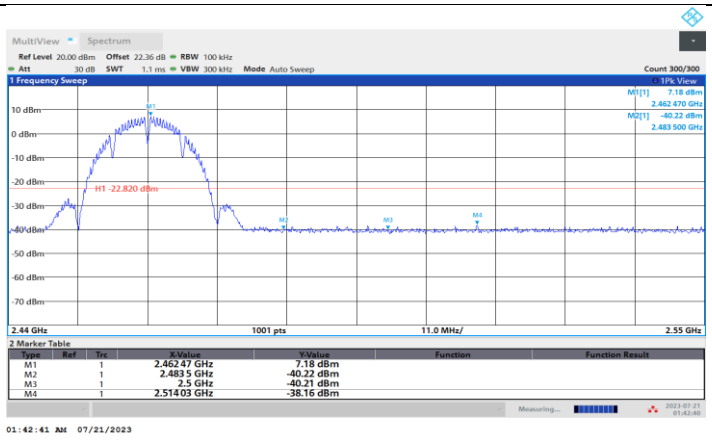
11B_Ant1_Low_2412



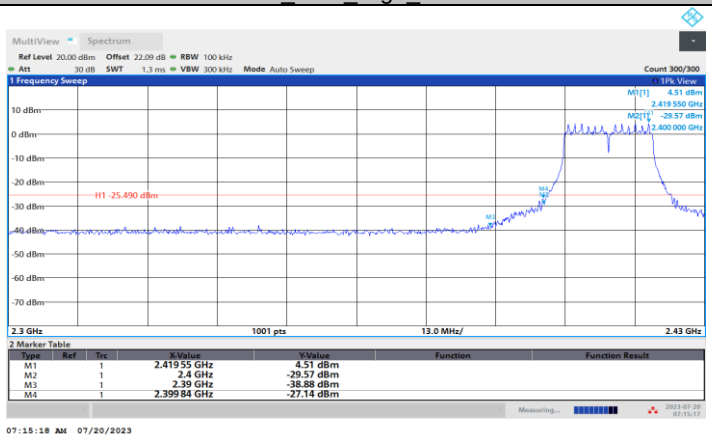
11B_Ant1_Low_2417



11B_Ant1_High_2457

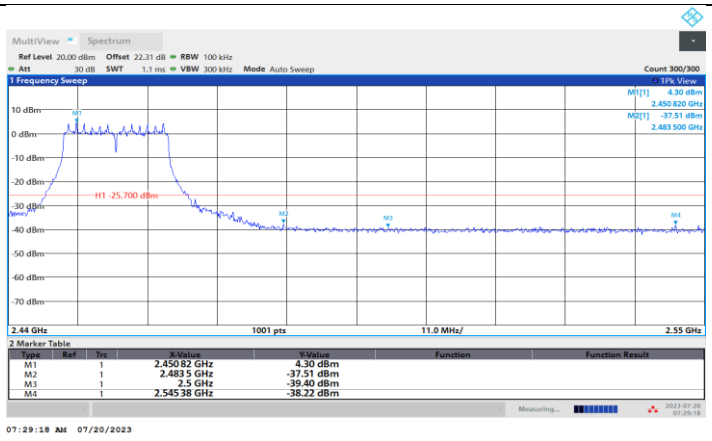


11B_Ant1_High_2462

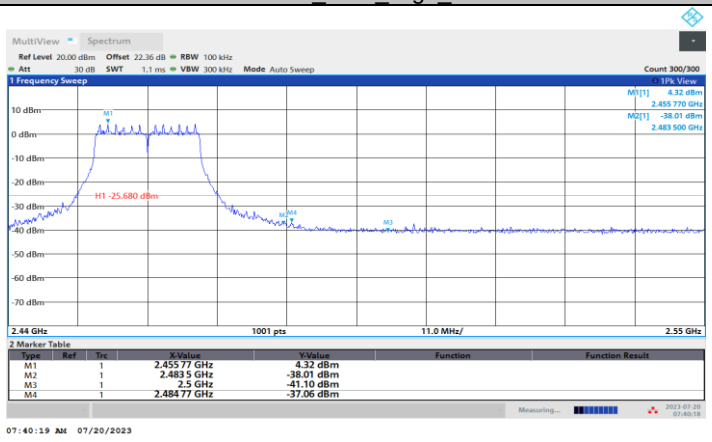


11G-CDD_Ant1_Low_2412

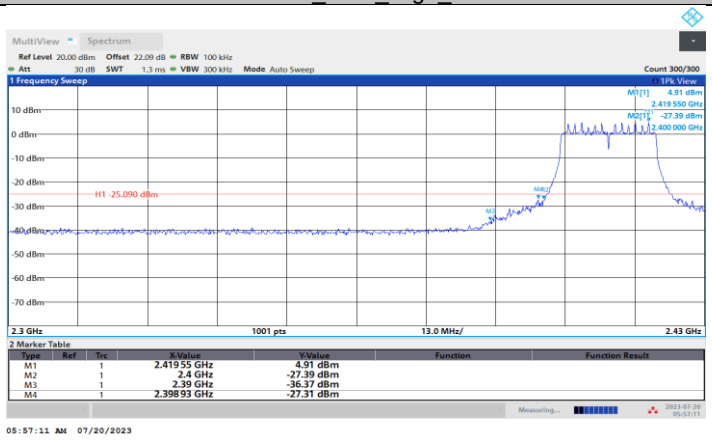
11G-CDD_Ant1_Low_2417



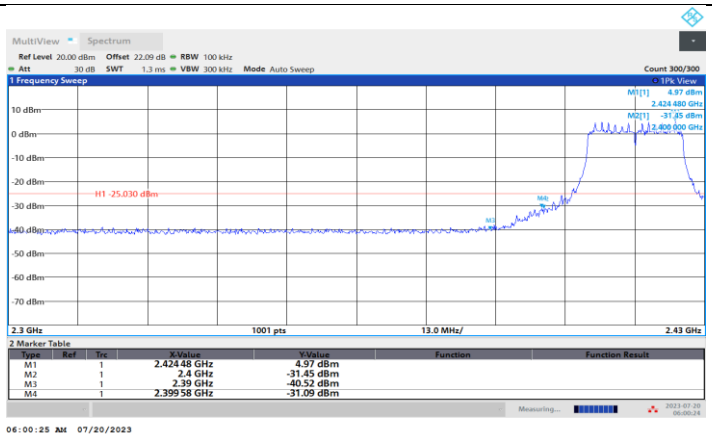
11G-CDD_Ant1_High_2457



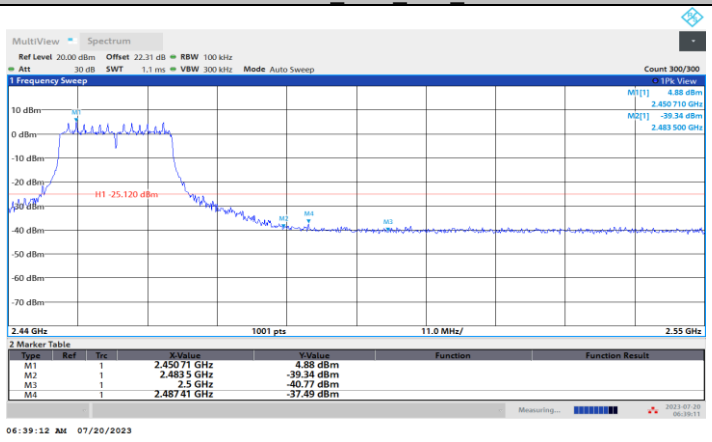
11G-CDD_Ant1_High_2462



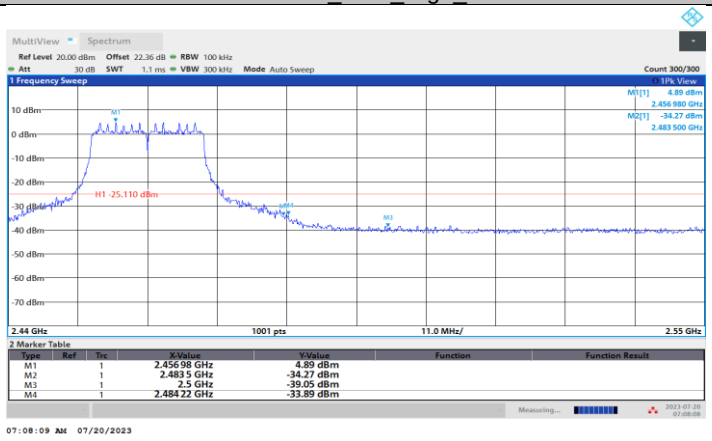
11N20MIMO_Ant1_Low_2412



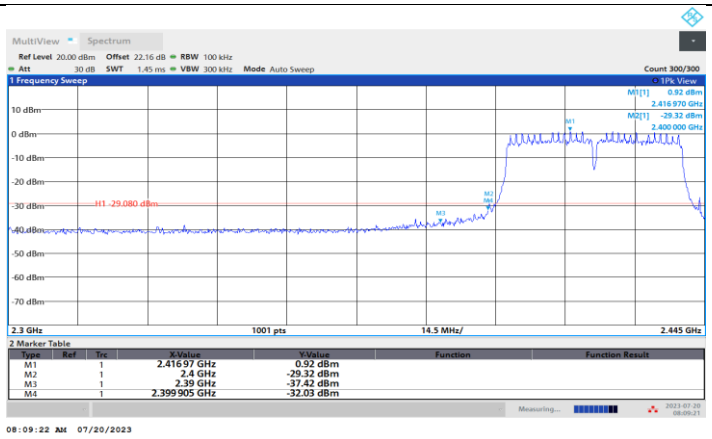
11N20MIMO_Ant1_Low_2417



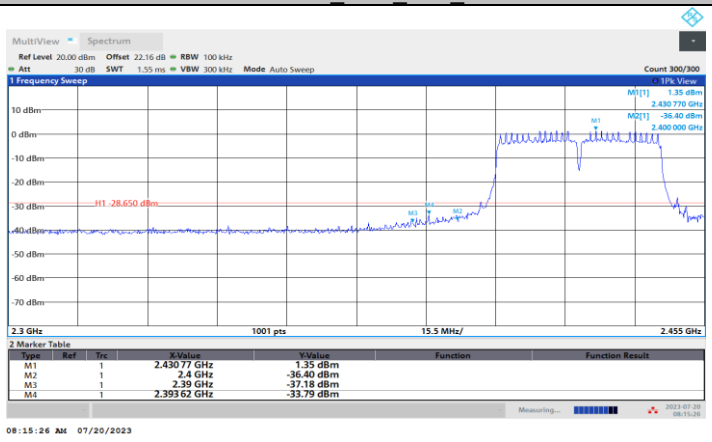
11N20MIMO_Ant1_High_2457



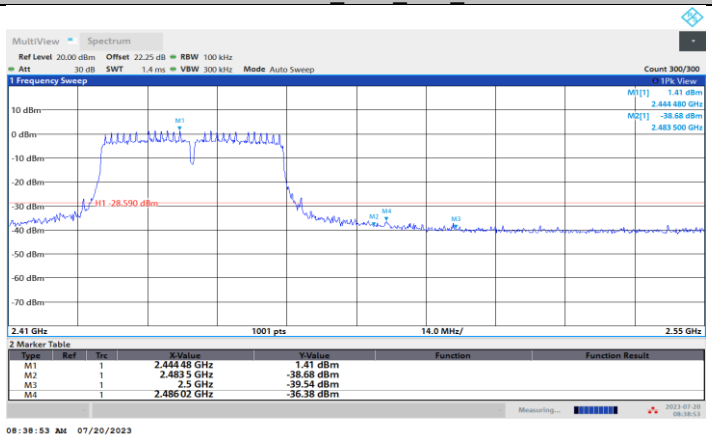
11N20MIMO_Ant1_High_2462



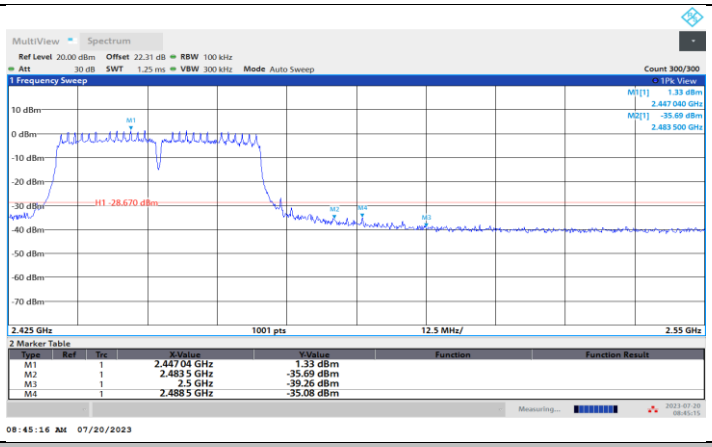
11N40MIMO_Ant1_Low_2422



11N40MIMO_Ant1_Low_2427



11N40MIMO_Ant1_High_2447



11N40MIMO_Ant1_High_2452

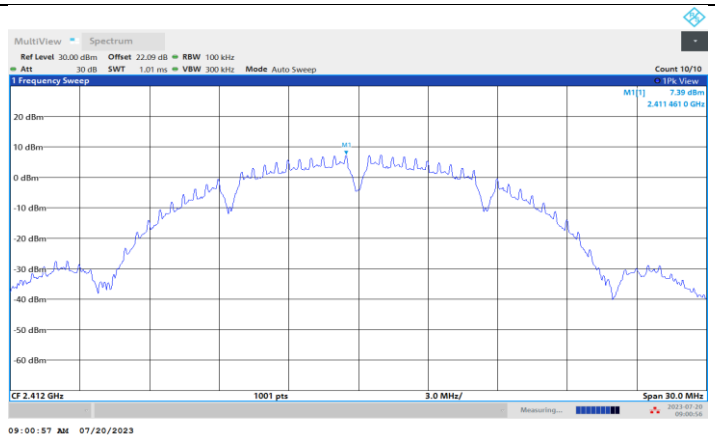
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

11.6.1. Test Result

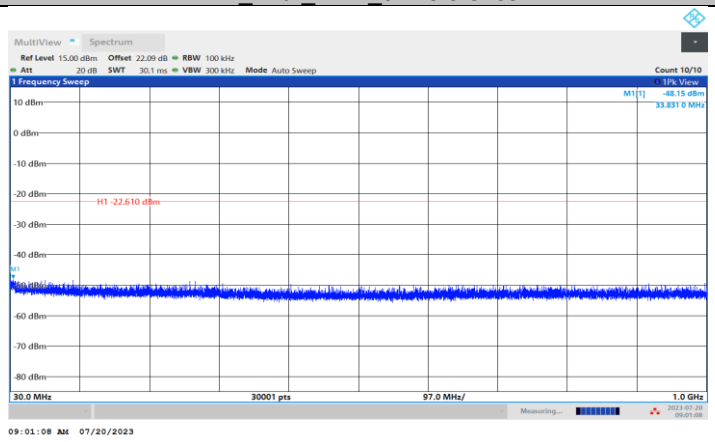
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.39	---	PASS
			30~1000	-48.15	≤-22.61	PASS
			1000~26500	-40.66	≤-22.61	PASS
		2417	Reference	8.05	---	PASS
			30~1000	-47.96	≤-21.95	PASS
			1000~26500	-41.25	≤-21.95	PASS
		2437	Reference	7.67	---	PASS
			30~1000	-47.83	≤-22.33	PASS
			1000~26500	-41.26	≤-22.33	PASS
		2457	Reference	7.45	---	PASS
			30~1000	-47	≤-22.55	PASS
			1000~26500	-40.73	≤-22.55	PASS
		2462	Reference	7.20	---	PASS
			30~1000	-47.54	≤-22.8	PASS
			1000~26500	-41.25	≤-22.8	PASS
11G-CDD	Ant1	2412	Reference	4.39	---	PASS
			30~1000	-46.78	≤-25.61	PASS
			1000~26500	-41.14	≤-25.61	PASS
		2417	Reference	4.52	---	PASS
			30~1000	-47.25	≤-25.48	PASS
			1000~26500	-41.08	≤-25.48	PASS
		2437	Reference	4.61	---	PASS
			30~1000	-46.51	≤-25.39	PASS
			1000~26500	-40.74	≤-25.39	PASS
		2457	Reference	4.40	---	PASS
			30~1000	-47.11	≤-25.6	PASS
			1000~26500	-40.52	≤-25.6	PASS
		2462	Reference	4.32	---	PASS
			30~1000	-47.68	≤-25.68	PASS
			1000~26500	-41.03	≤-25.68	PASS
11N20MIMO	Ant1	2412	Reference	4.85	---	PASS
			30~1000	-47.25	≤-25.15	PASS
			1000~26500	-41.22	≤-25.15	PASS
		2417	Reference	4.93	---	PASS
			30~1000	-47.81	≤-25.07	PASS
			1000~26500	-41.58	≤-25.07	PASS
		2437	Reference	4.76	---	PASS
			30~1000	-47.16	≤-25.24	PASS
			1000~26500	-40.92	≤-25.24	PASS
		2457	Reference	4.88	---	PASS
			30~1000	-47.3	≤-25.12	PASS
			1000~26500	-40.83	≤-25.12	PASS
		2462	Reference	5.06	---	PASS
			30~1000	-47.76	≤-24.94	PASS
			1000~26500	-40.96	≤-24.94	PASS
11N40MIMO	Ant1	2422	Reference	0.93	---	PASS
			30~1000	-47.21	≤-29.07	PASS
			1000~26500	-40.89	≤-29.07	PASS
		2427	Reference	1.38	---	PASS
			30~1000	-47.68	≤-28.62	PASS
			1000~26500	-41.19	≤-28.62	PASS
		2437	Reference	1.45	---	PASS
			30~1000	-47.6	≤-28.55	PASS
			1000~26500	-40.92	≤-28.55	PASS
		2447	Reference	1.39	---	PASS
			30~1000	-48.03	≤-28.61	PASS
			1000~26500	-41.02	≤-28.61	PASS

		2452	Reference	1.38	---	PASS
			30~1000	-47	≤-28.62	PASS
			1000~26500	-40.62	≤-28.62	PASS

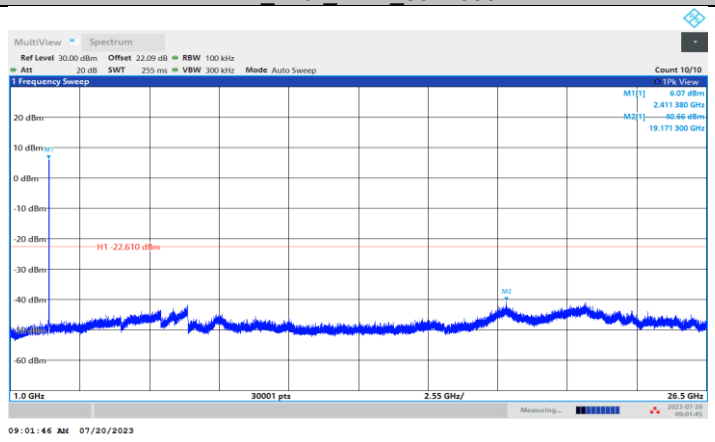
11.6.2. Test Graphs



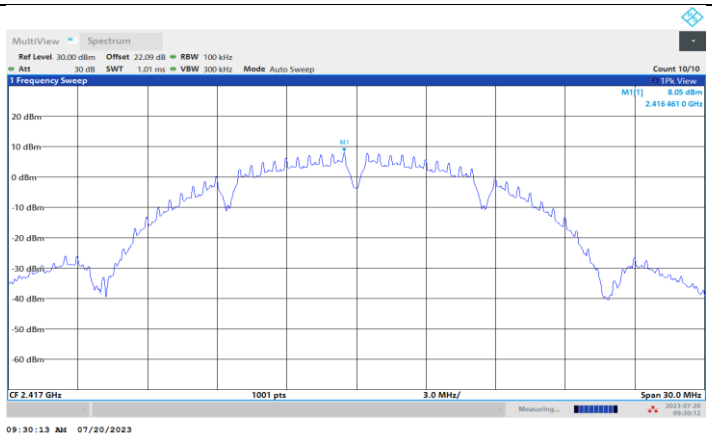
11B_Ant1_2412_0~Reference



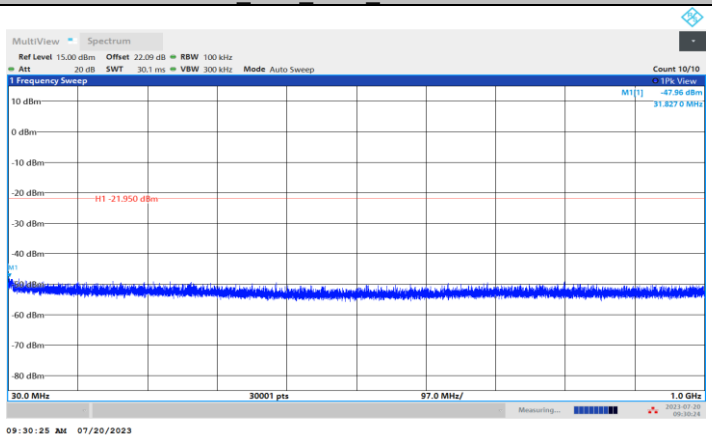
11B_Ant1_2412_30~1000



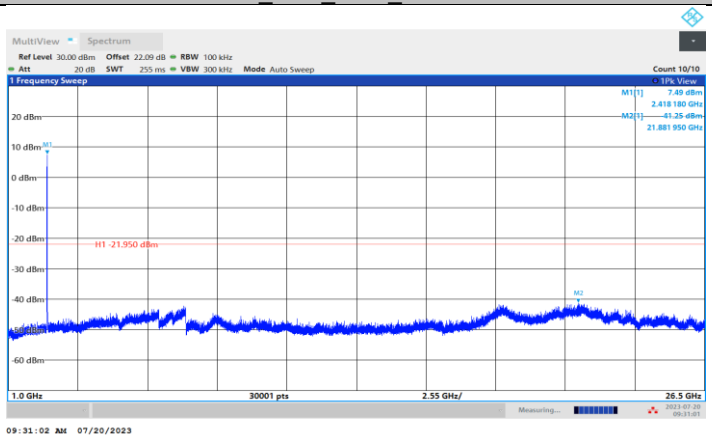
11B_Ant1_2412_1000~26500



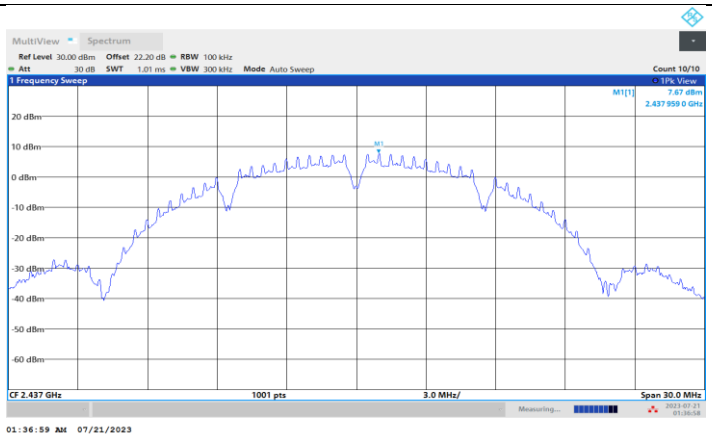
11B_Ant1_2417_0~Reference



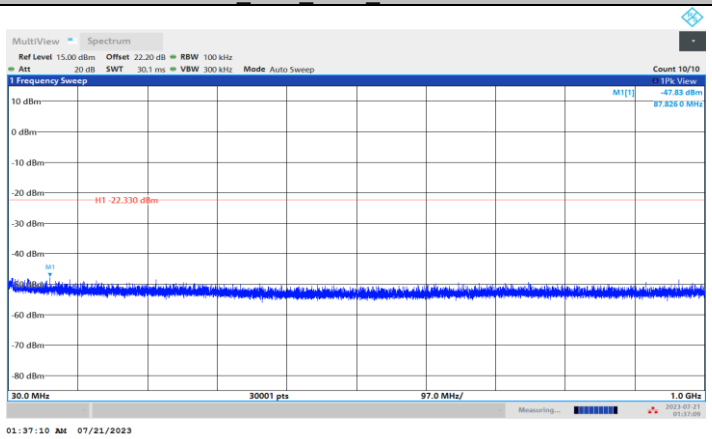
11B_Ant1_2417_30~1000



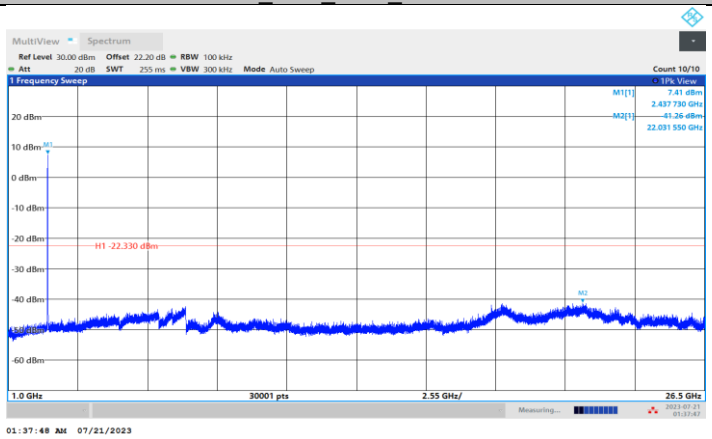
11B_Ant1_2417_1000~26500



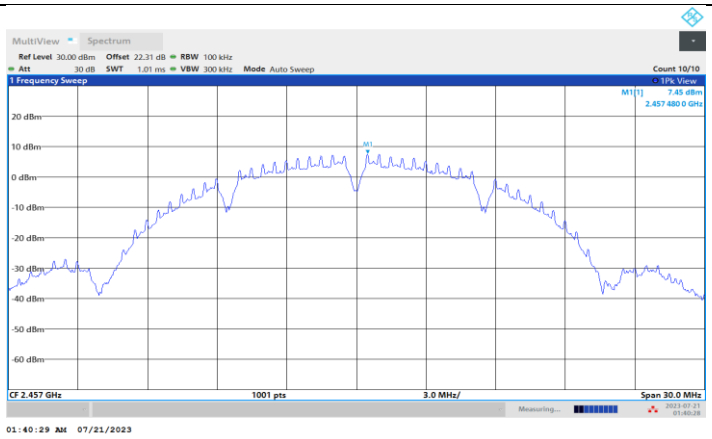
11B_Ant1_2437_0~Reference



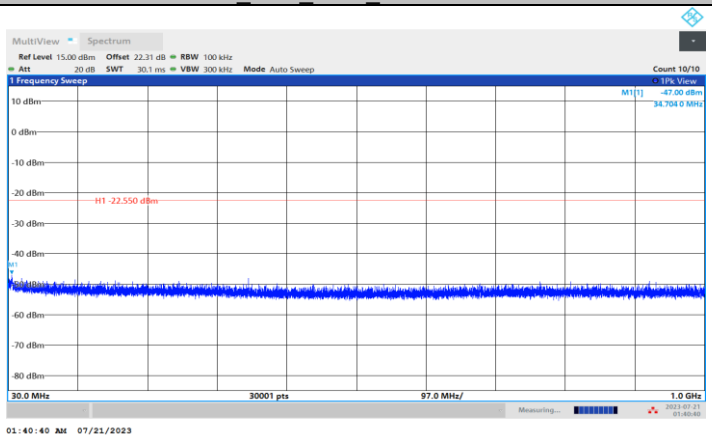
11B_Ant1_2437_30~1000



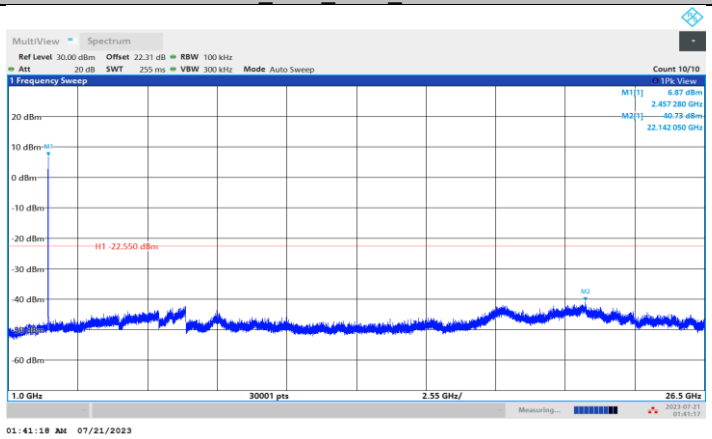
11B_Ant1_2437_1000~26500



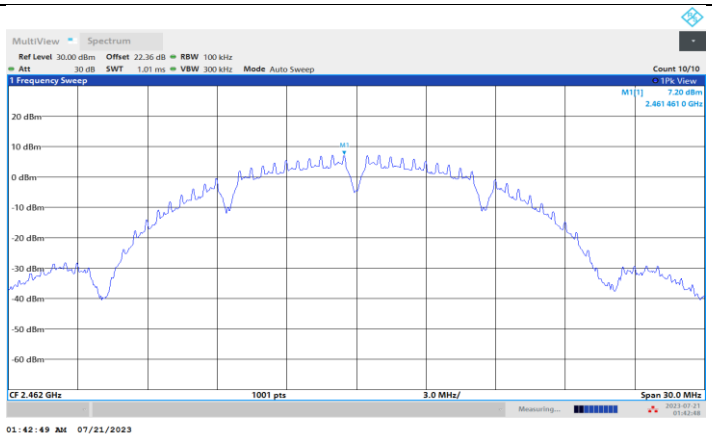
11B_Ant1_2457_0~Reference



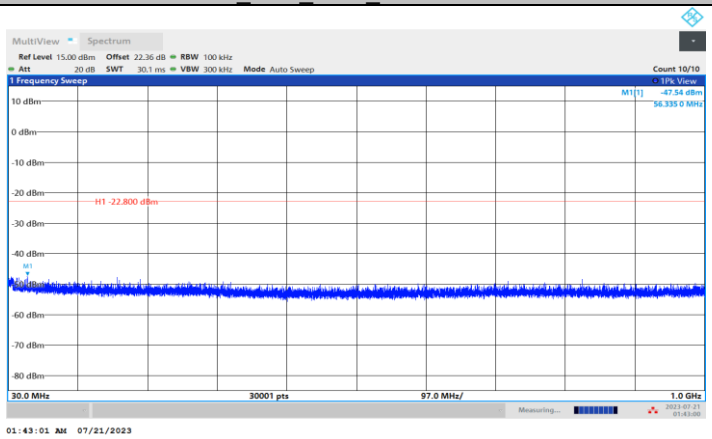
11B_Ant1_2457_30~1000



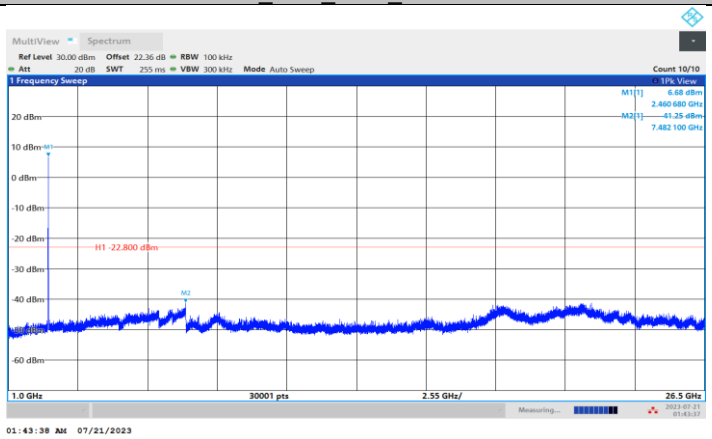
11B_Ant1_2457_1000~26500



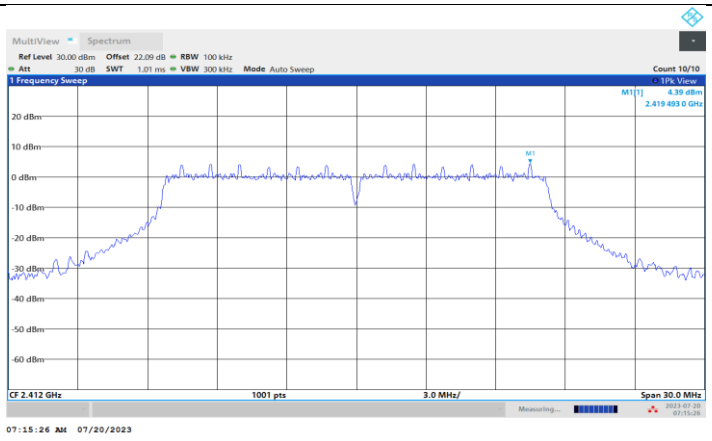
11B_Ant1_2462_0~Reference



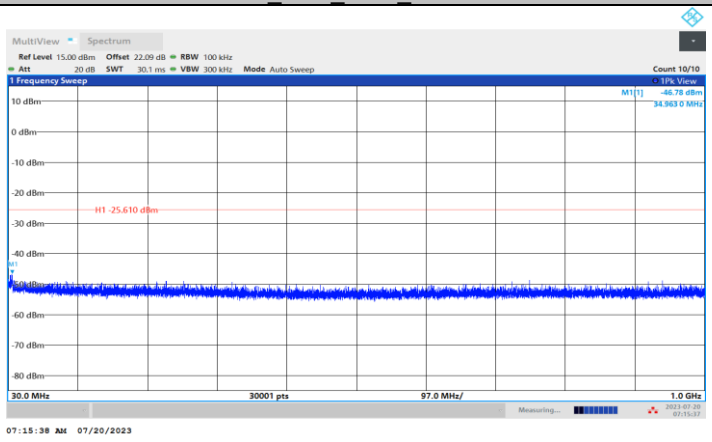
11B_Ant1_2462_30~1000



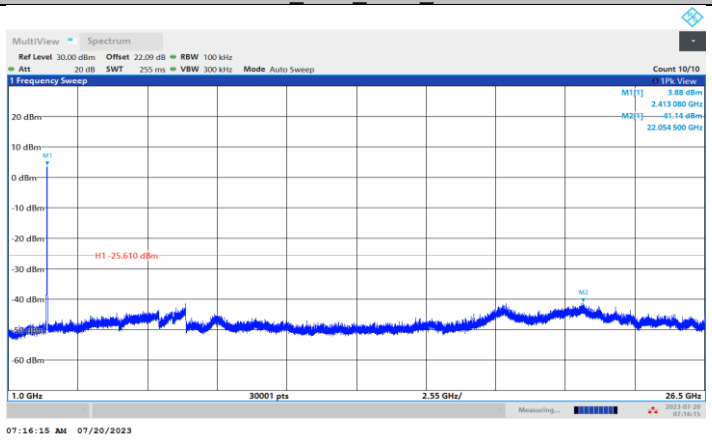
11B_Ant1_2462_1000~26500



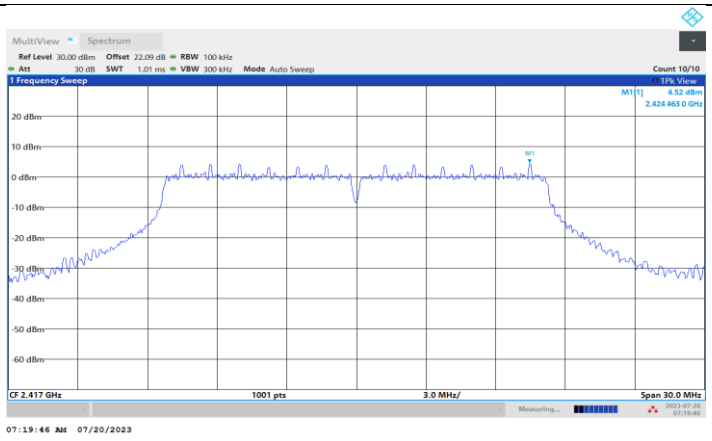
11G-CDD_Ant1_2412_0~Reference



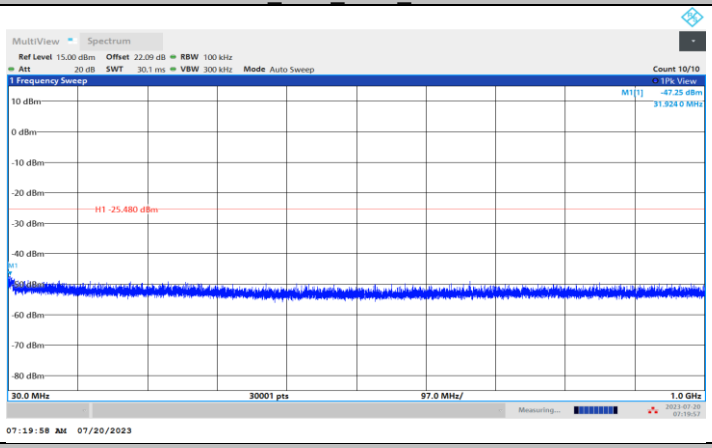
11G-CDD_Ant1_2412_30~1000



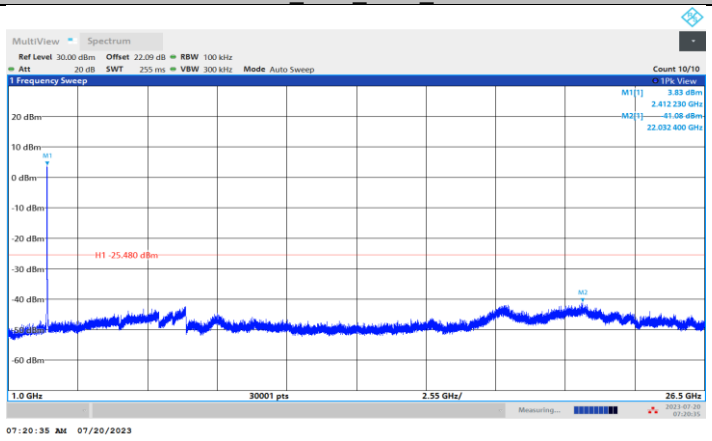
11G-CDD_Ant1_2412_1000~26500



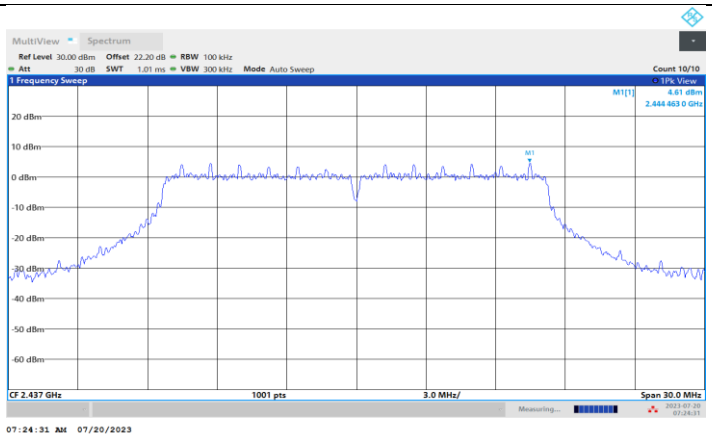
11G-CDD_Ant1_2417_0~Reference



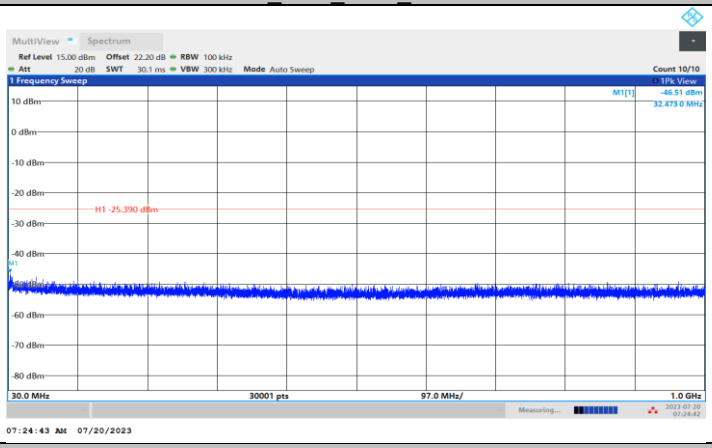
11G-CDD_Ant1_2417_30~1000



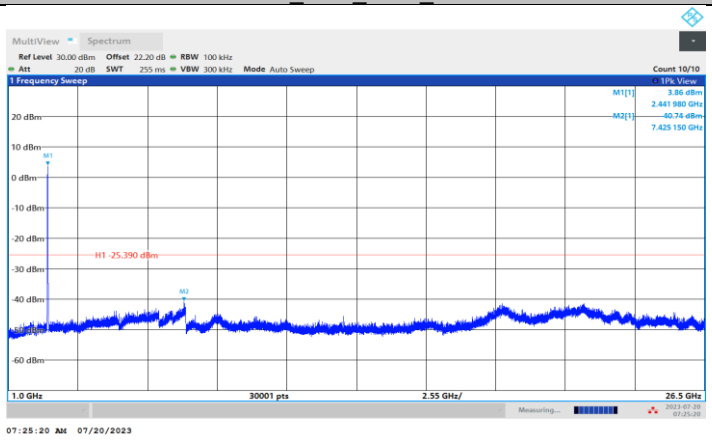
11G-CDD_Ant1_2417_1000~26500



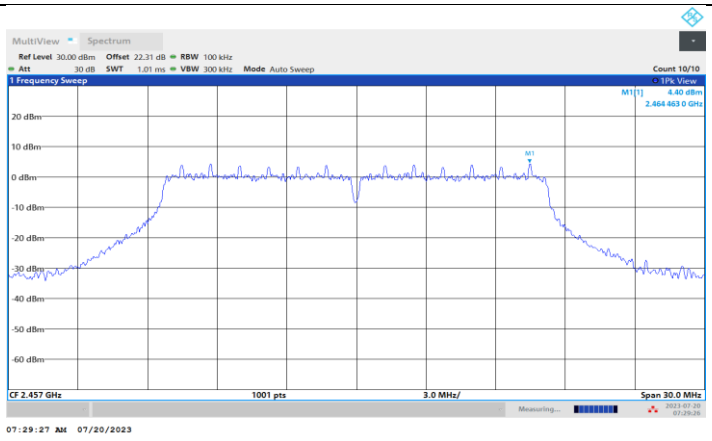
11G-CDD_Ant1_2437_0~Reference



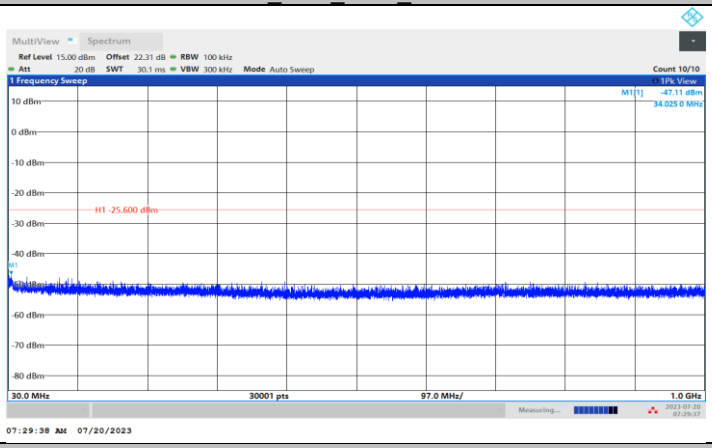
11G-CDD_Ant1_2437_30~1000



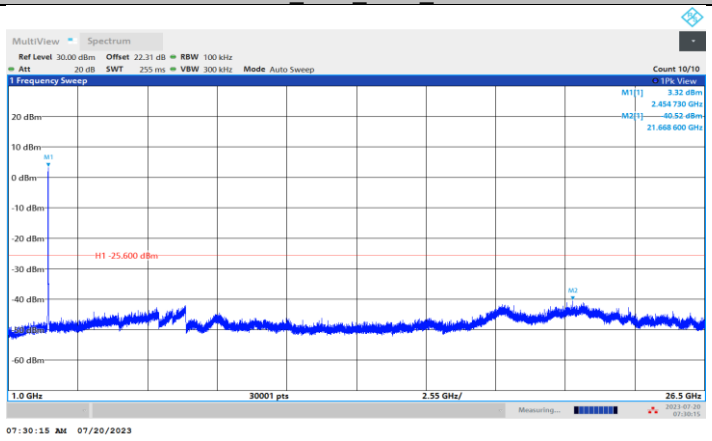
11G-CDD_Ant1_2437_1000~26500



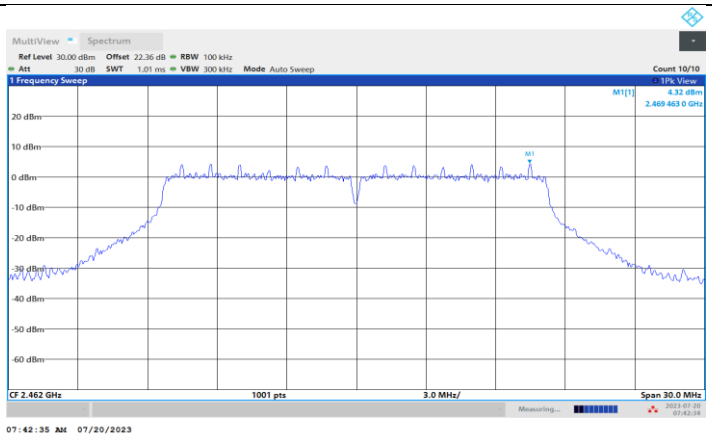
11G-CDD_Ant1_2457_0~Reference



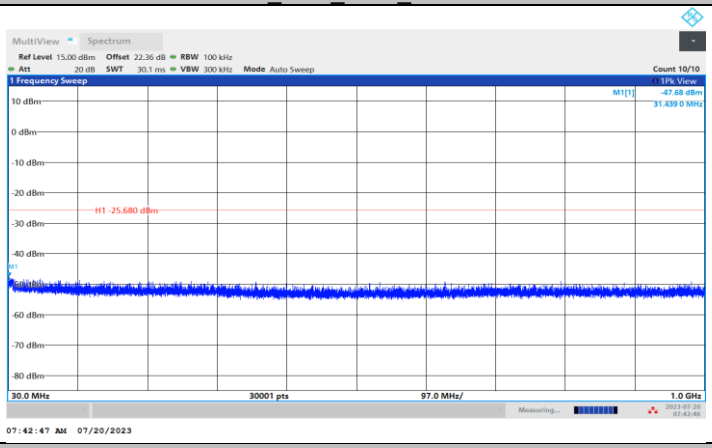
11G-CDD_Ant1_2457_30~1000



11G-CDD_Ant1_2457_1000~26500



11G-CDD_Ant1_2462_0~Reference



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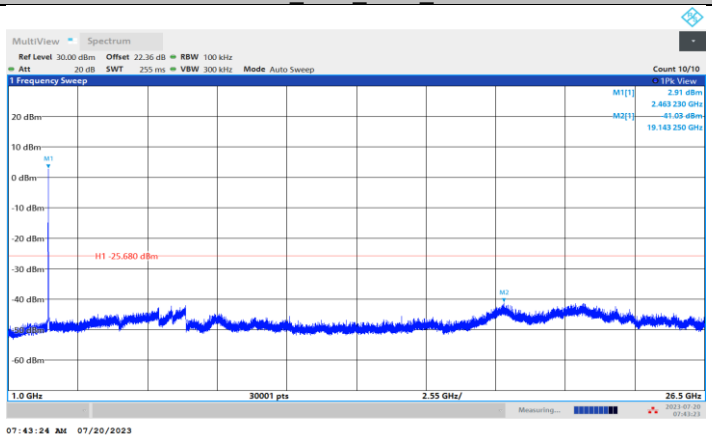

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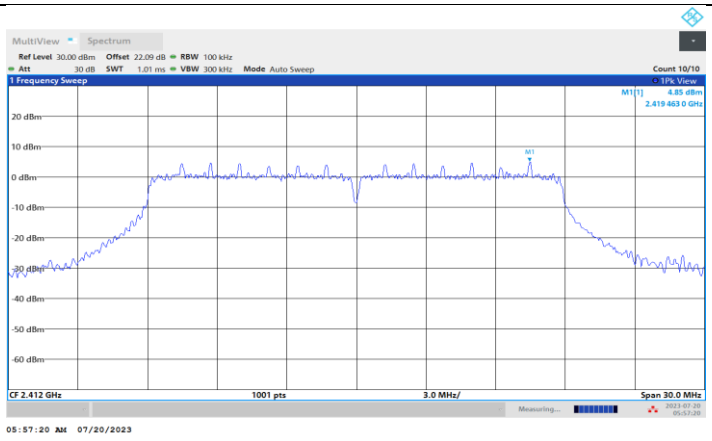

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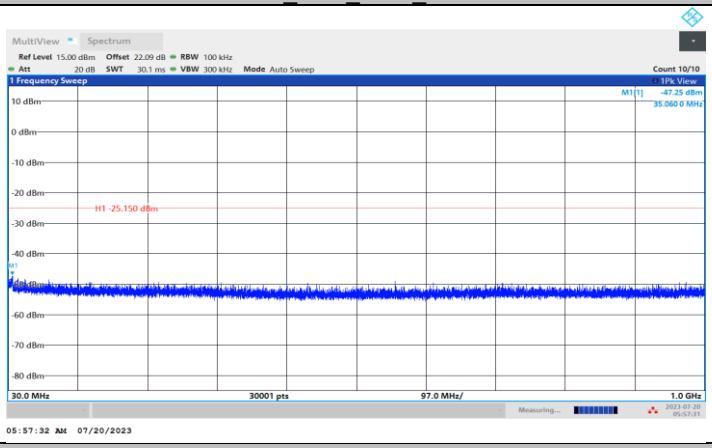

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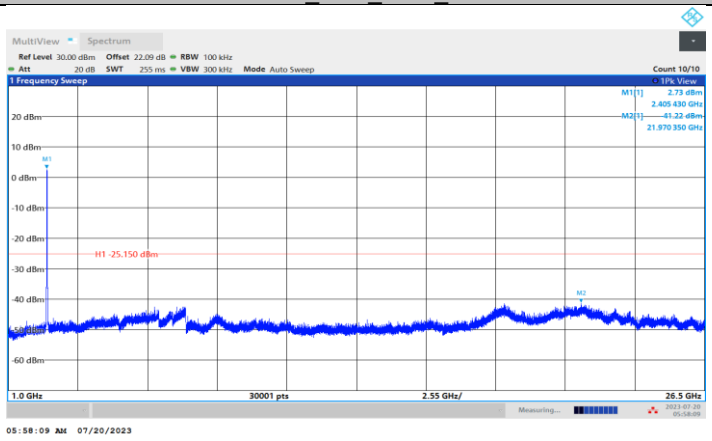

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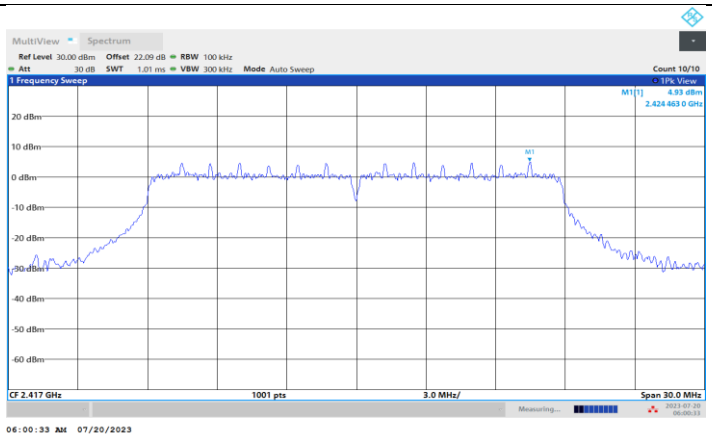

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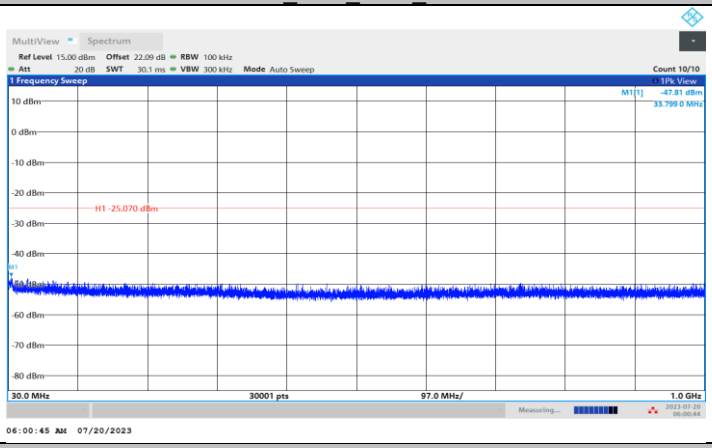

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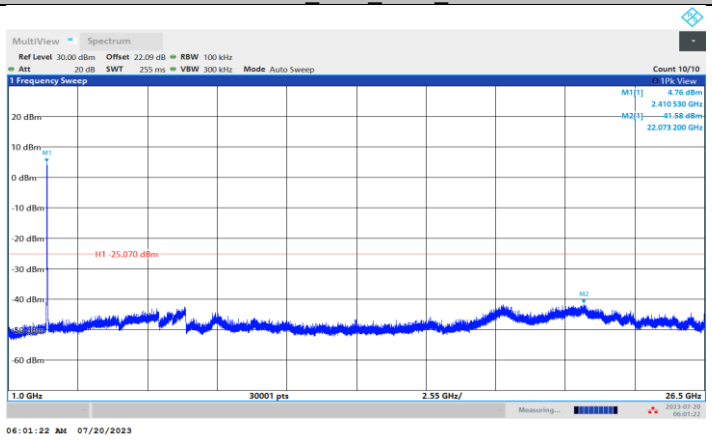

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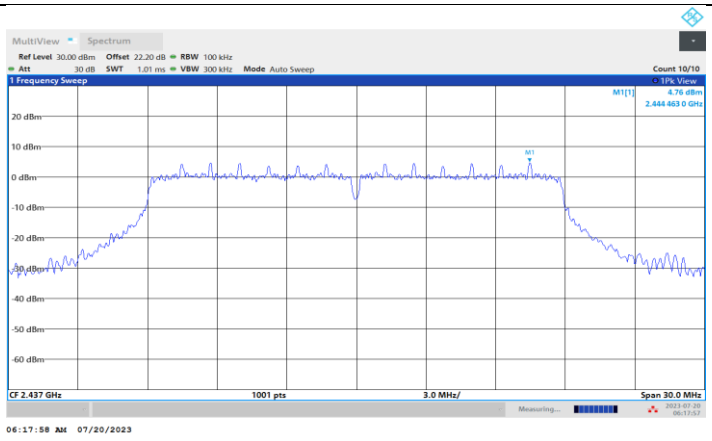

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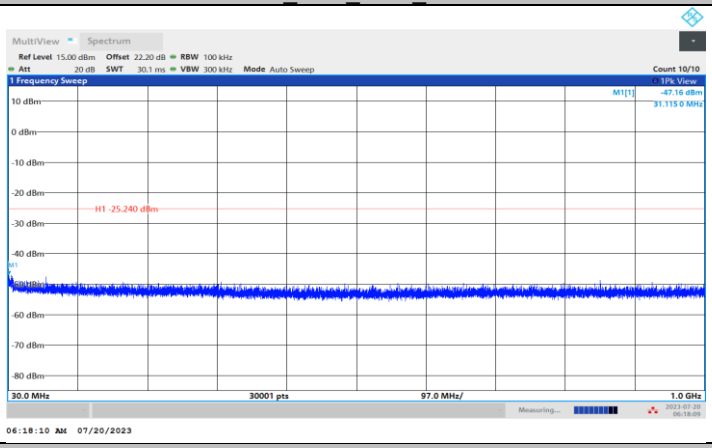

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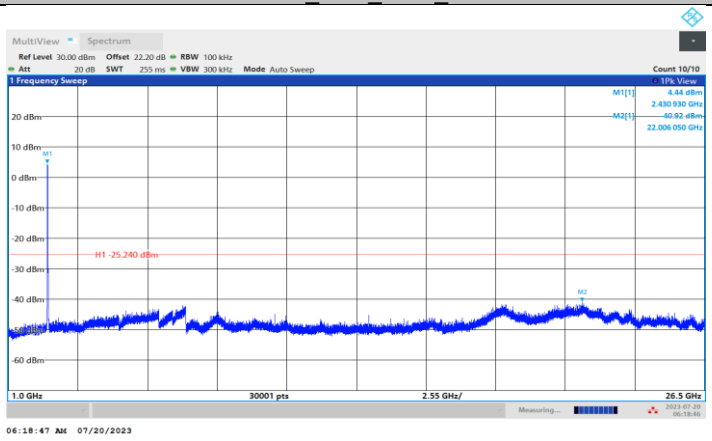

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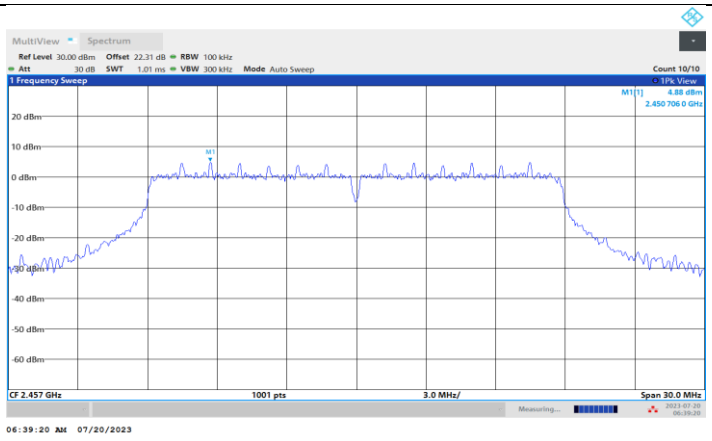

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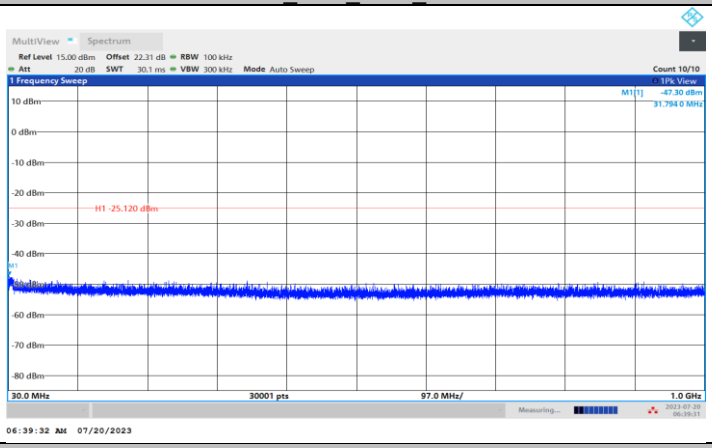

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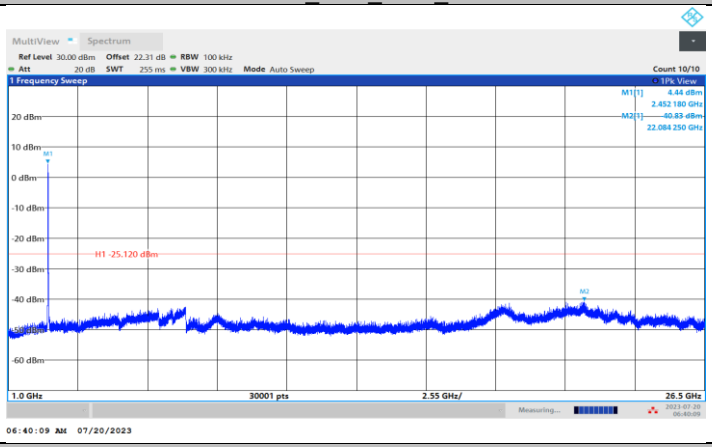

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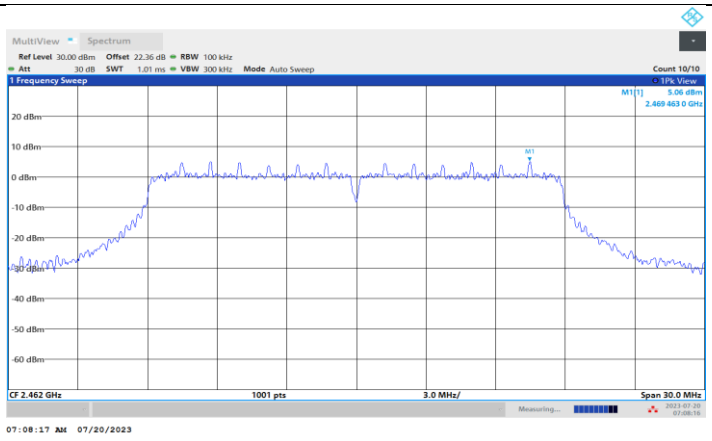

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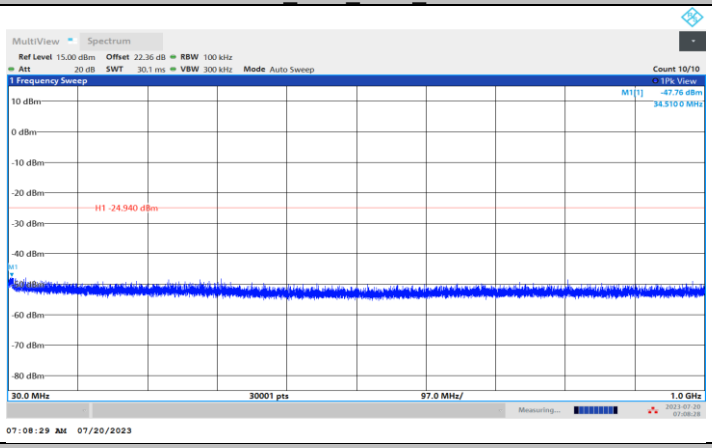

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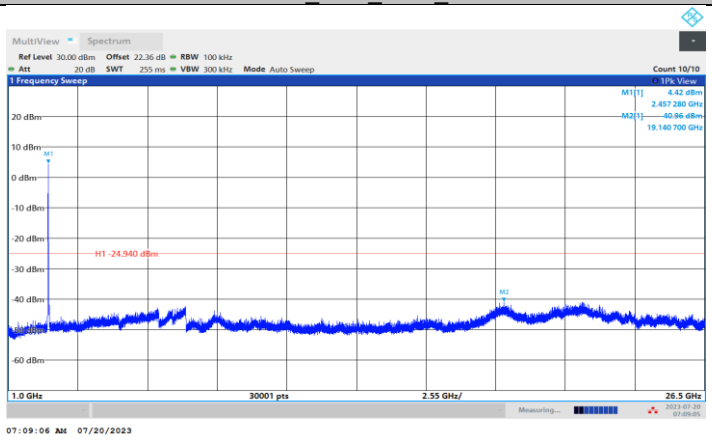

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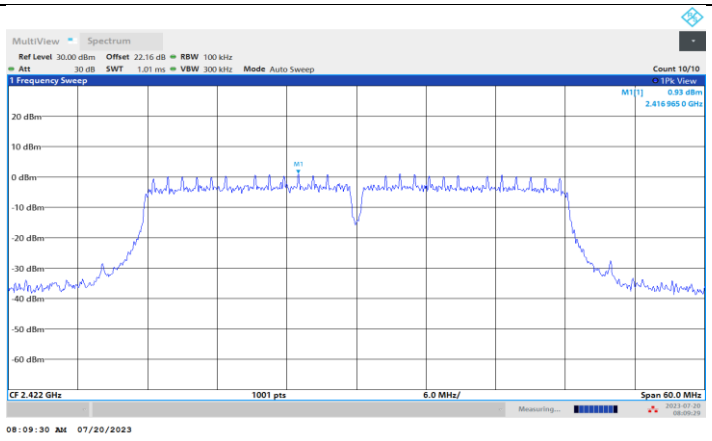

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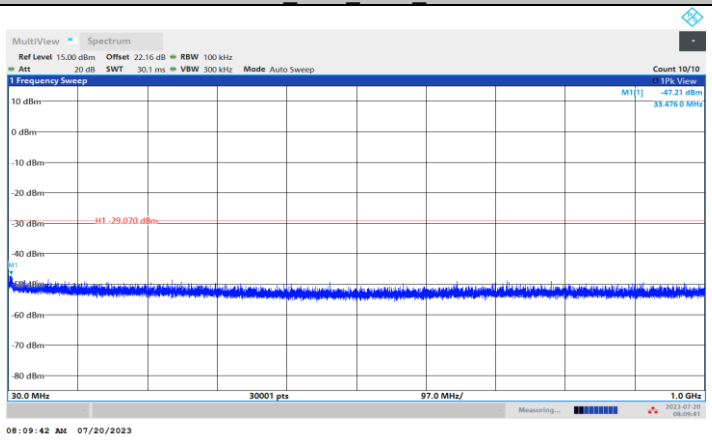

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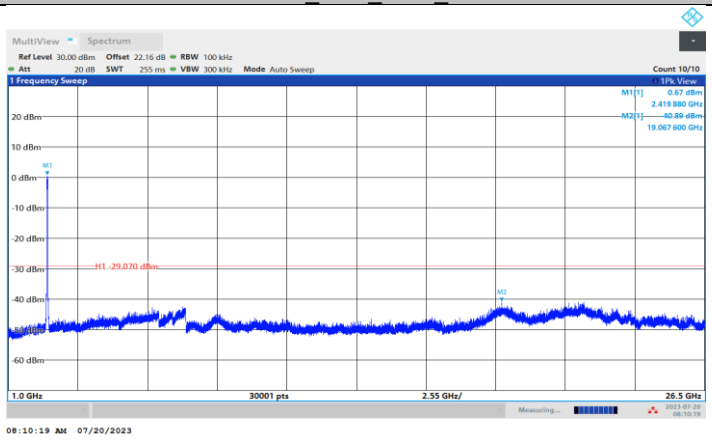

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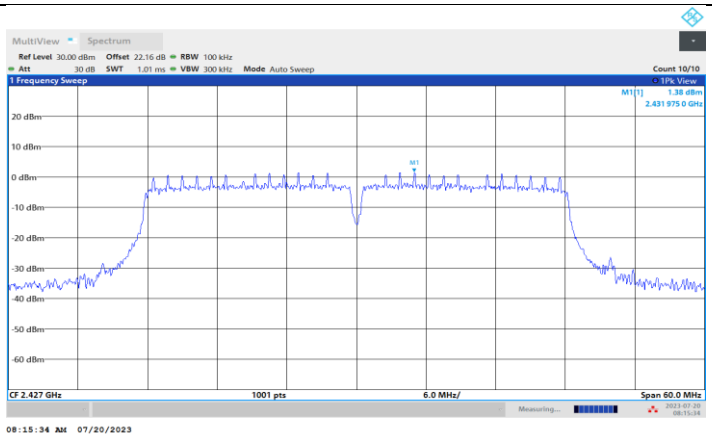

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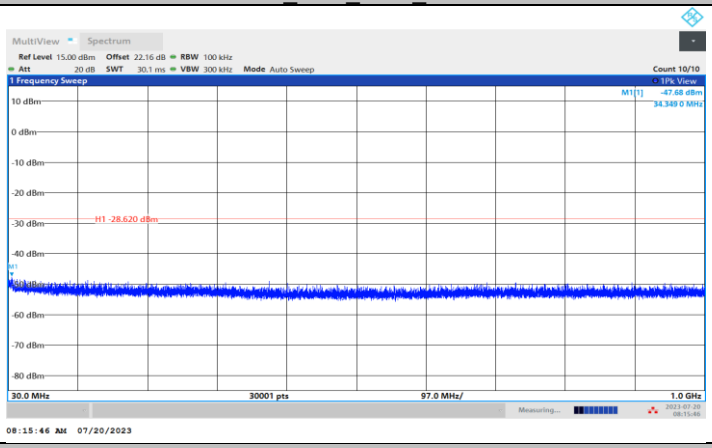

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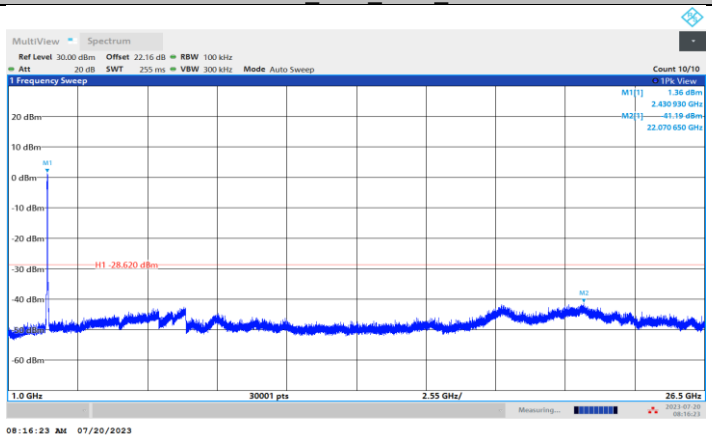

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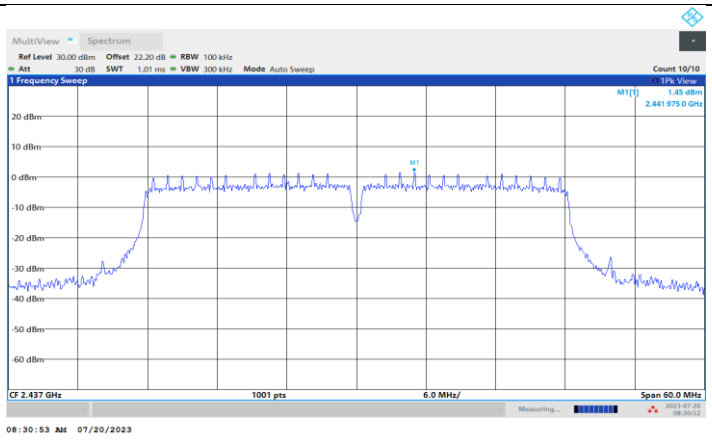

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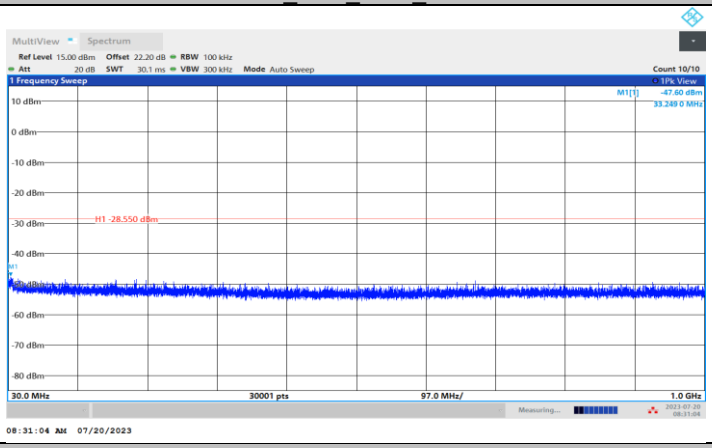

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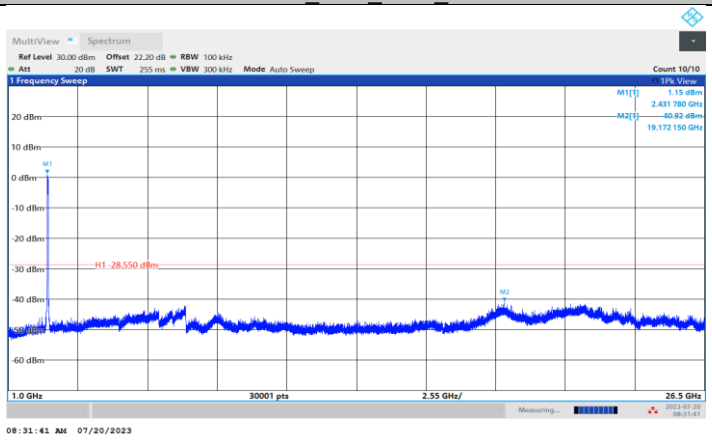

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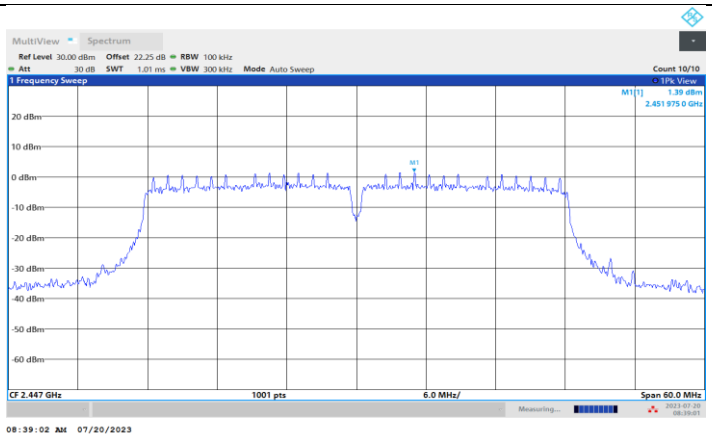

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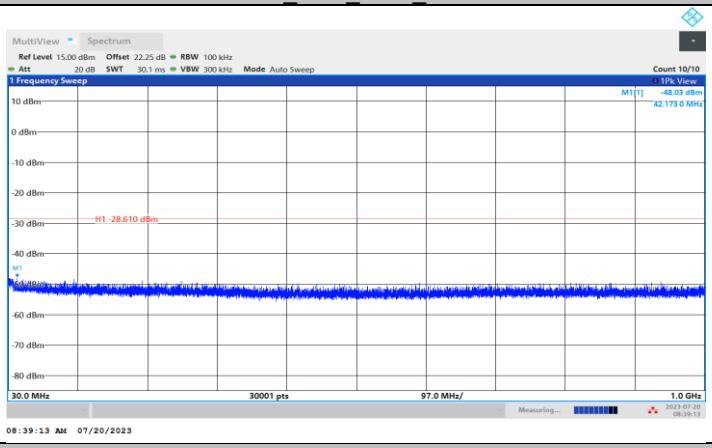

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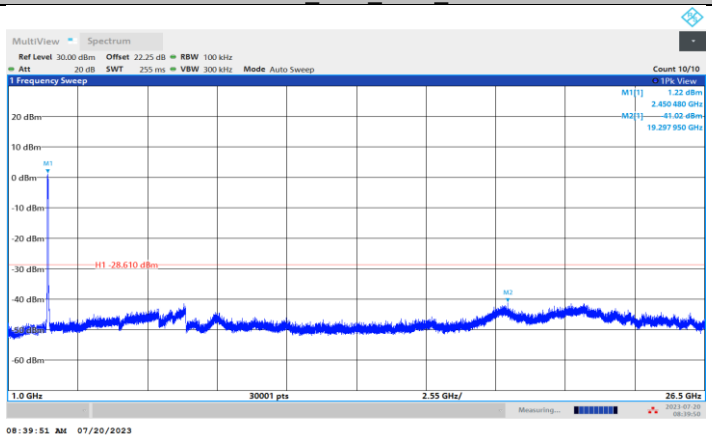

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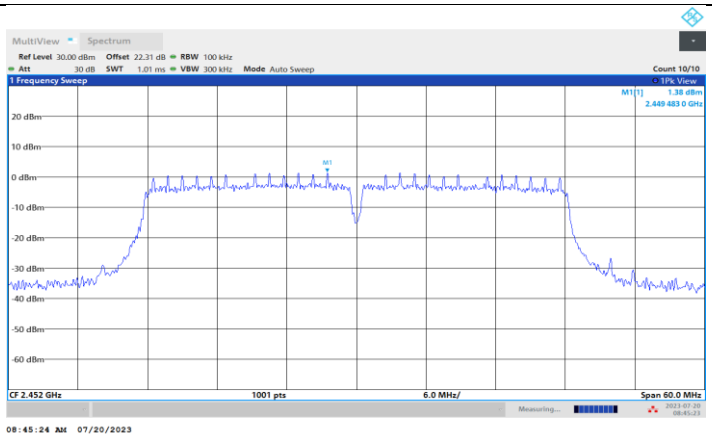

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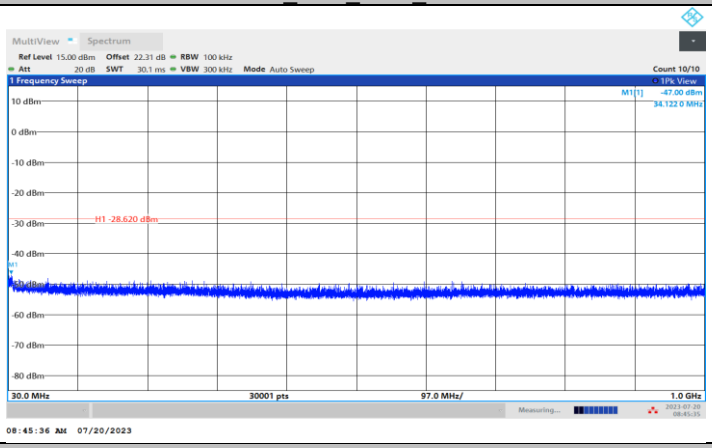

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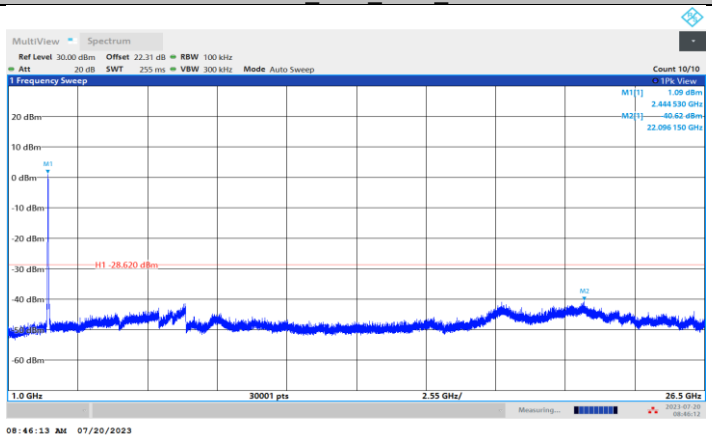


11N40MIMO_Ant1_2452_1000~26500

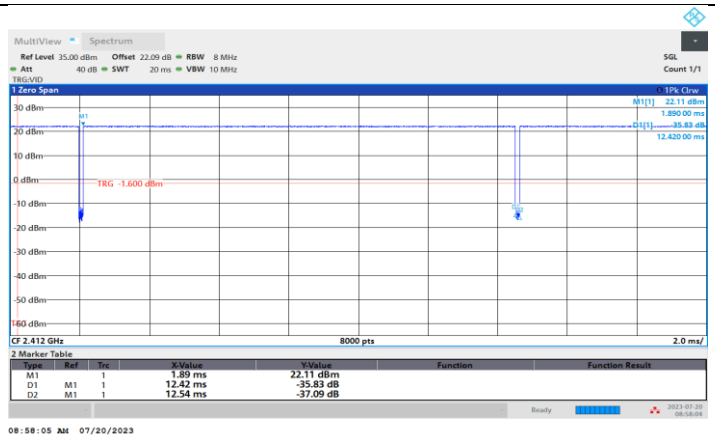
11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

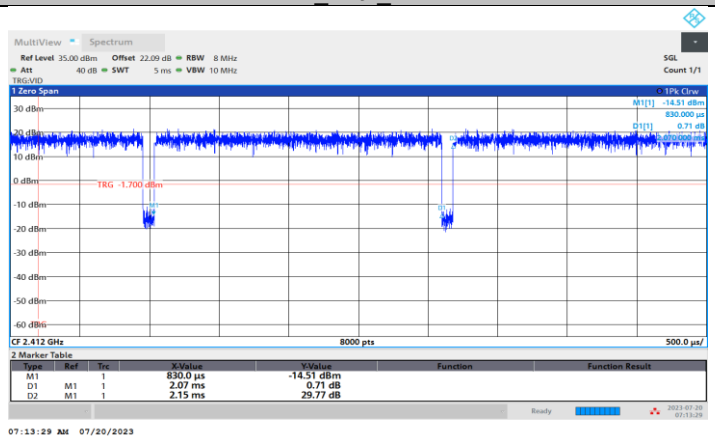
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	12.42	12.54	0.9904	99.04	0.04	0.08	0.01
11G-CDD	2.07	2.15	0.9628	96.28	0.16	0.48	1
11N20-CDD	1.92	1.99	0.9648	96.48	0.16	0.52	1
11N40-CDD	0.94	1	0.9400	94.00	0.27	1.06	2

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

11.7.2. Test Graphs



11B_Ant1_2412



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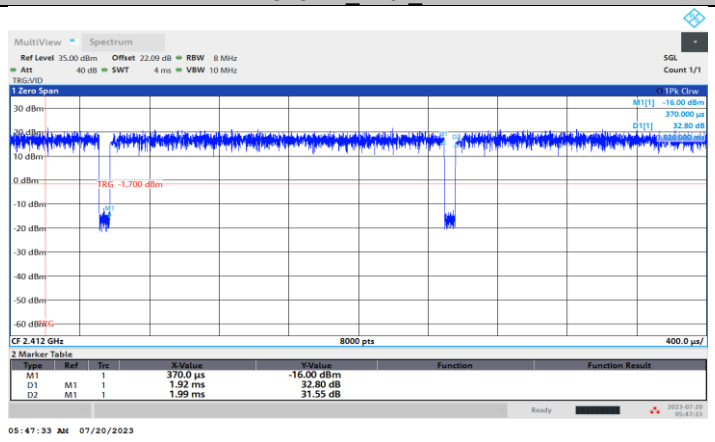

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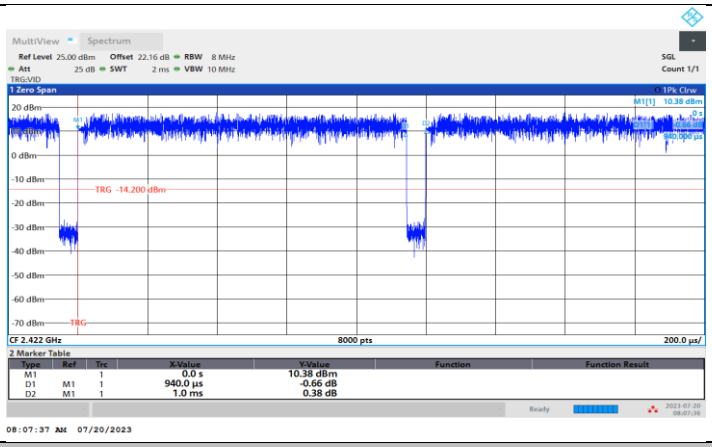

11N40MIMO_Ant1_2422

END OF REPORT