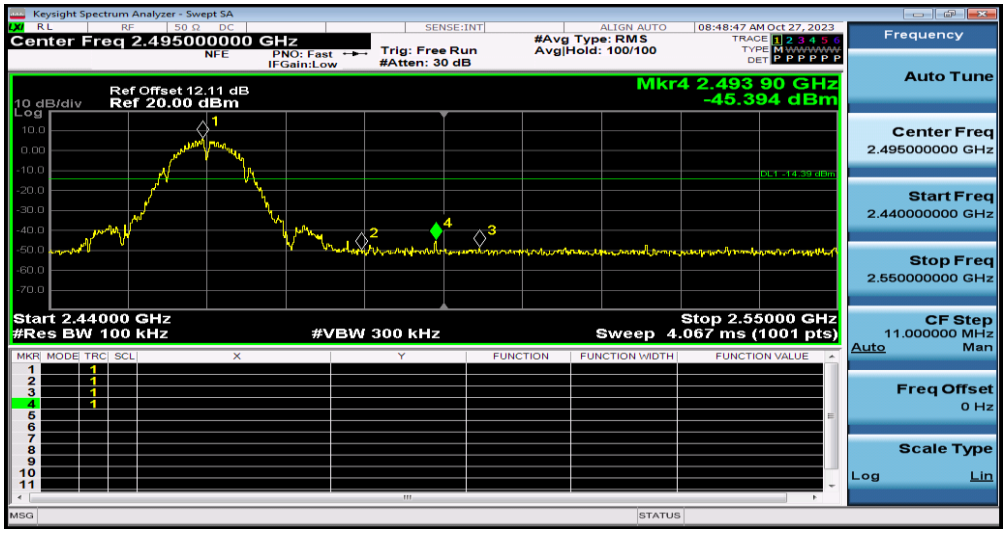
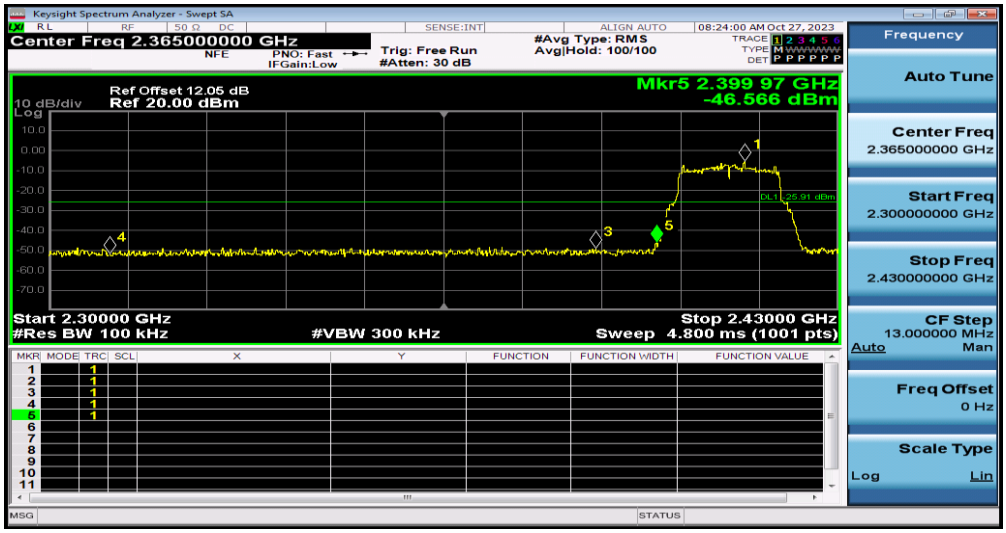
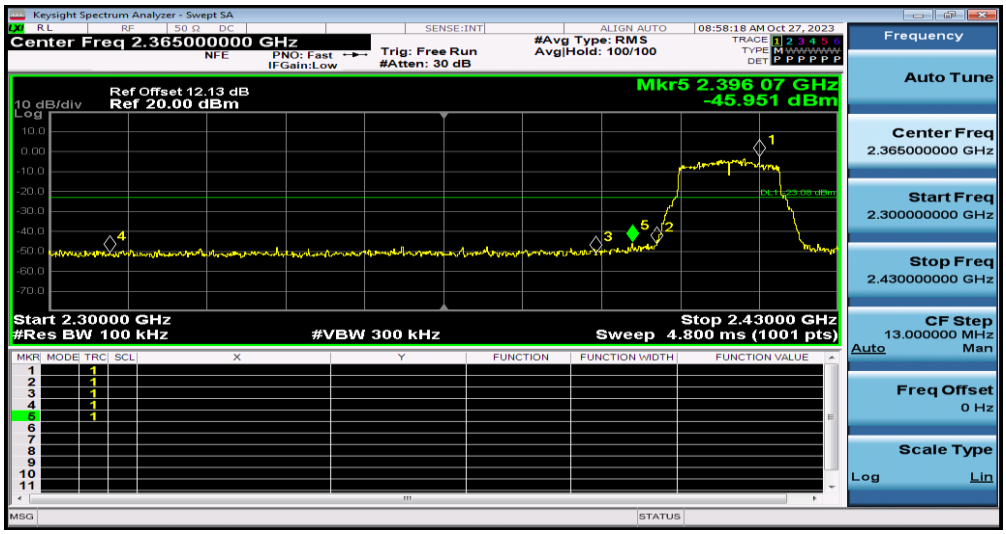


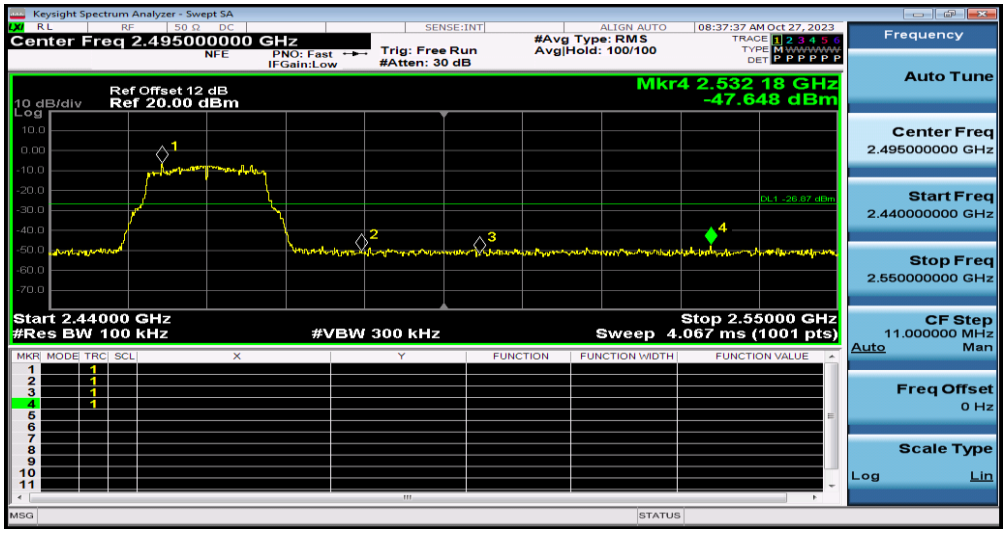
11B-Ant1-2462



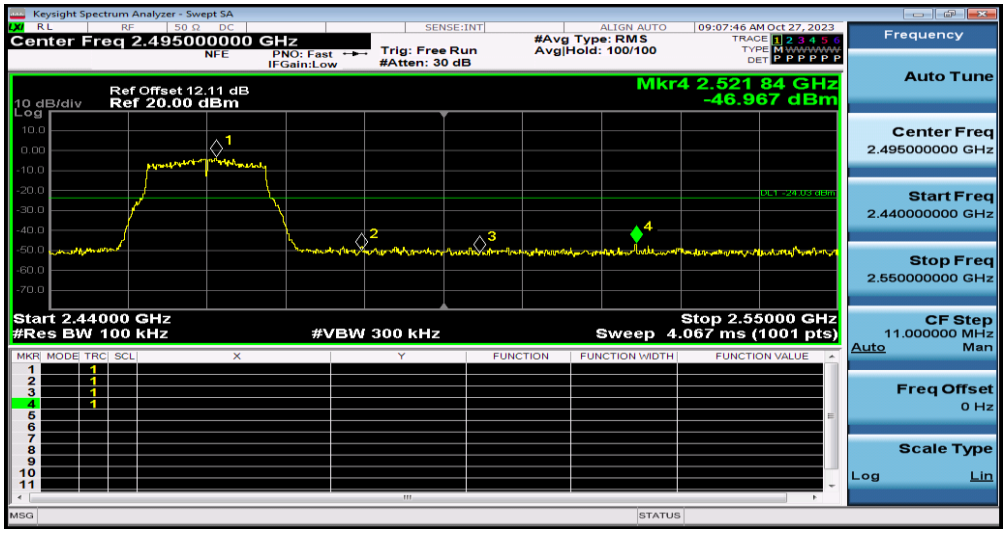
11G-Ant0-2412



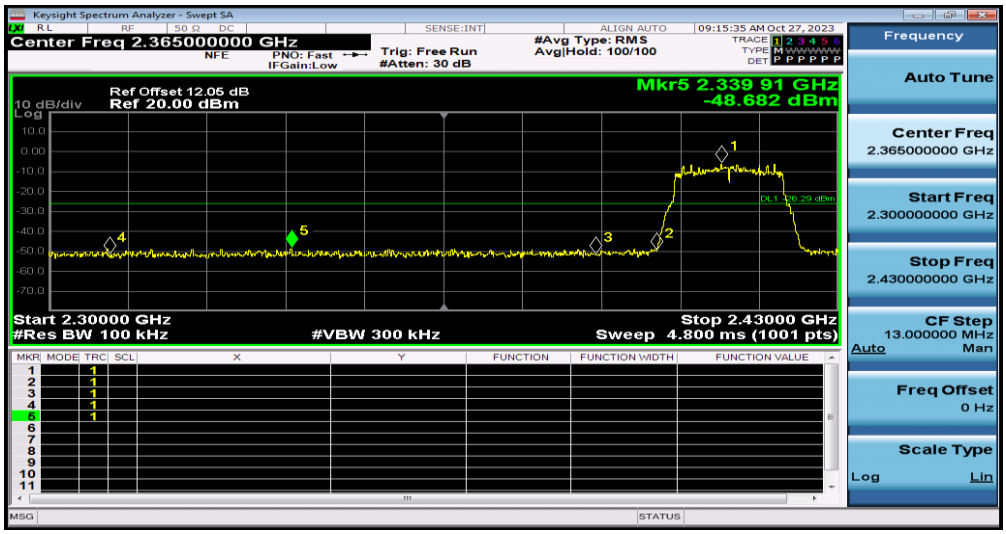
11G-Ant1-2412



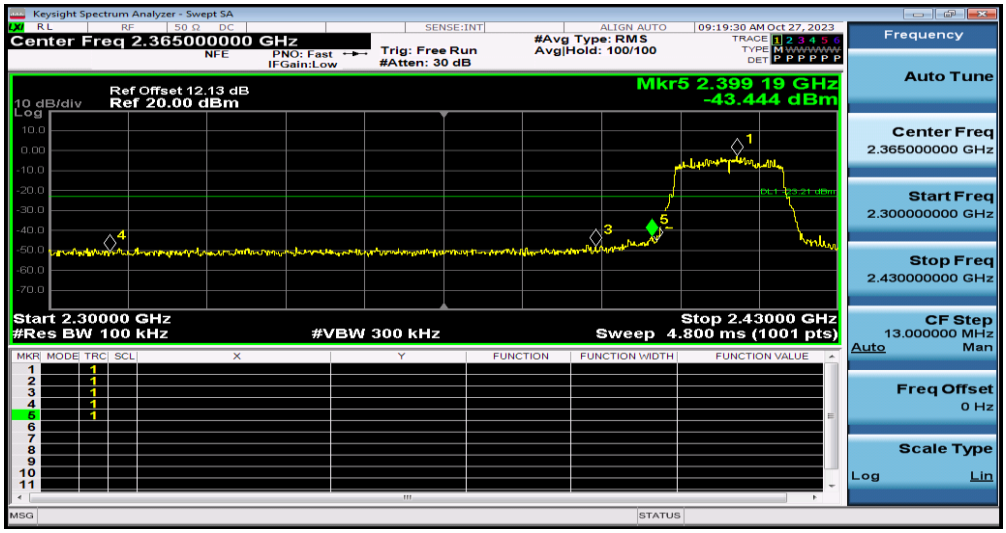
11G-Ant0-2462



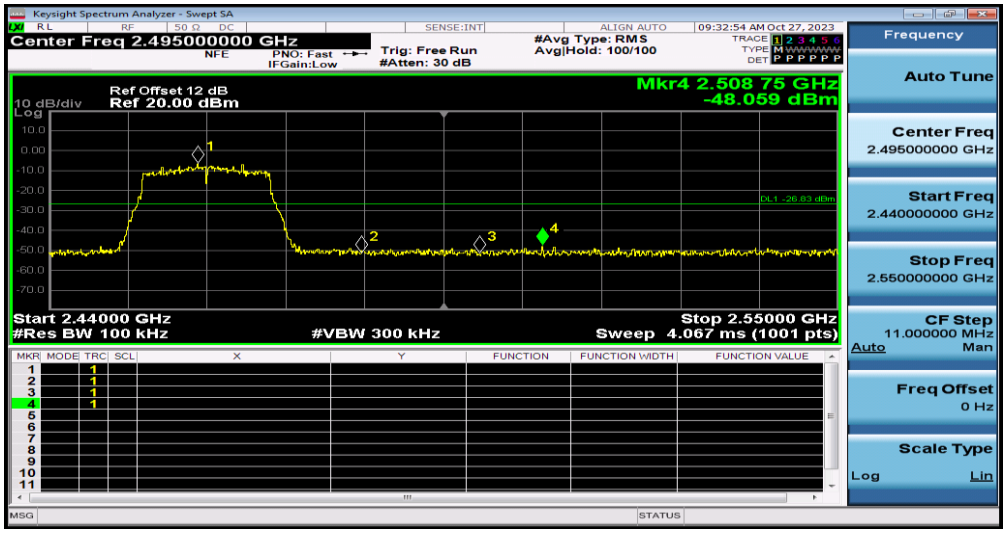
11G-Ant1-2462



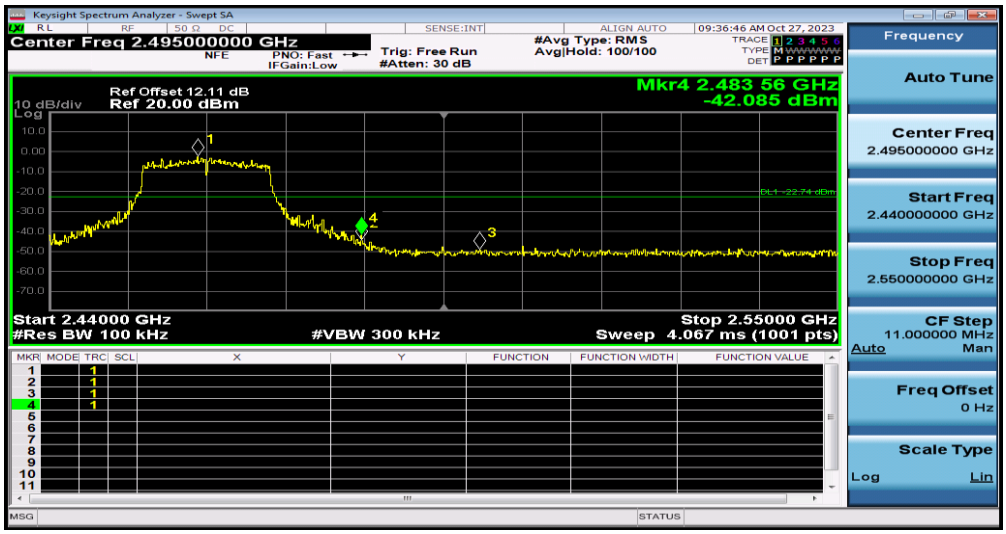
11N20MIMO-Ant0-2412



11N20MIMO-Ant1-2412



11N20MIMO-Ant0-2462



11N20MIMO-Ant1-2462

Appendix G: Conducted Spurious Emission

Test Result

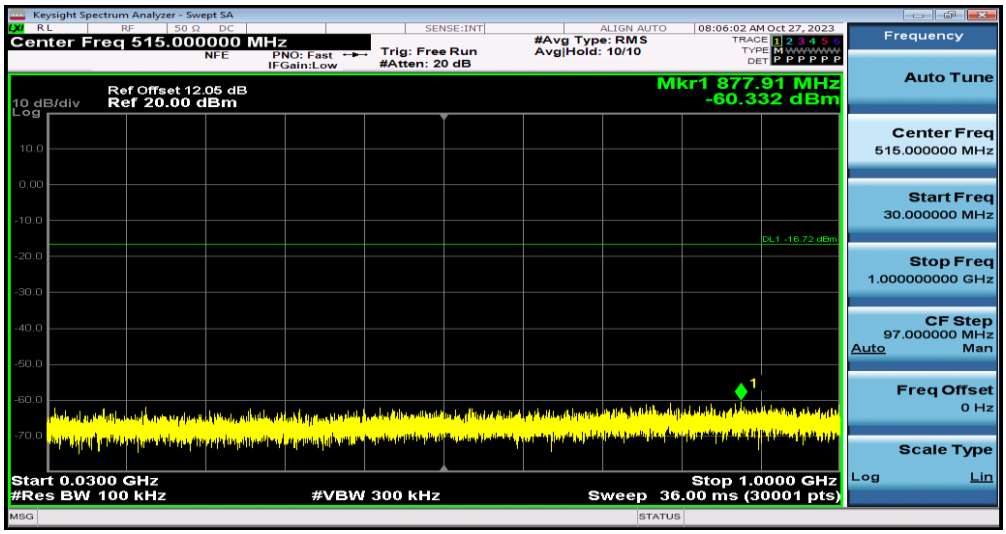
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	0~Reference	3.28	3.28	---	PASS
11B	Ant1	2412	0~Reference	3.36	3.36	---	PASS
11B	Ant0	2412	30~1000	3.28	-60.33	≤-16.72	PASS
11B	Ant1	2412	30~1000	3.36	-59.98	≤-16.64	PASS
11B	Ant0	2412	1000~26500	3.28	-51.04	≤-16.72	PASS
11B	Ant1	2412	1000~26500	3.36	-50.62	≤-16.64	PASS
11B	Ant0	2437	0~Reference	4.60	4.60	---	PASS
11B	Ant1	2437	0~Reference	3.95	3.95	---	PASS
11B	Ant0	2437	30~1000	4.60	-60.03	≤-15.4	PASS
11B	Ant1	2437	30~1000	3.95	-60.34	≤-16.05	PASS
11B	Ant0	2437	1000~26500	4.60	-51.69	≤-15.4	PASS
11B	Ant1	2437	1000~26500	3.95	-51.41	≤-16.05	PASS
11B	Ant0	2462	0~Reference	2.80	2.80	---	PASS
11B	Ant1	2462	0~Reference	5.48	5.48	---	PASS
11B	Ant0	2462	30~1000	2.80	-60.09	≤-17.2	PASS
11B	Ant1	2462	30~1000	5.48	-59.85	≤-14.52	PASS
11B	Ant0	2462	1000~26500	2.80	-51.61	≤-17.2	PASS
11B	Ant1	2462	1000~26500	5.48	-51.55	≤-14.52	PASS
11G	Ant0	2412	0~Reference	-7.44	-7.44	---	PASS
11G	Ant1	2412	0~Reference	-4.03	-4.03	---	PASS
11G	Ant0	2412	30~1000	-7.44	-59.66	≤-27.44	PASS
11G	Ant1	2412	30~1000	-4.03	-60.38	≤-24.03	PASS
11G	Ant0	2412	1000~26500	-7.44	-51.11	≤-27.44	PASS
11G	Ant1	2412	1000~26500	-4.03	-52.45	≤-24.03	PASS
11G	Ant0	2437	0~Reference	-7.91	-7.91	---	PASS
11G	Ant1	2437	0~Reference	-3.77	-3.77	---	PASS
11G	Ant0	2437	30~1000	-7.91	-60.8	≤-27.91	PASS
11G	Ant1	2437	30~1000	-3.77	-60.57	≤-23.77	PASS
11G	Ant0	2437	1000~26500	-7.91	-51.75	≤-27.91	PASS
11G	Ant1	2437	1000~26500	-3.77	-51.36	≤-23.77	PASS
11G	Ant0	2462	0~Reference	-8.11	-8.11	---	PASS
11G	Ant1	2462	0~Reference	-4.68	-4.68	---	PASS
11G	Ant0	2462	30~1000	-8.11	-60.58	≤-28.11	PASS
11G	Ant1	2462	30~1000	-4.68	-60.5	≤-24.68	PASS
11G	Ant0	2462	1000~26500	-8.11	-50.79	≤-28.11	PASS
11G	Ant1	2462	1000~26500	-4.68	-52.02	≤-24.68	PASS
11N20MIMO	Ant0	2412	0~Reference	-7.16	-7.16	---	PASS

11N20MIMO	Ant1	2412	0~Reference	-4.75	-4.75	---	PASS
11N20MIMO	Ant0	2412	30~1000	-7.16	-60.11	≤-27.16	PASS
11N20MIMO	Ant1	2412	30~1000	-4.75	-60.06	≤-24.75	PASS
11N20MIMO	Ant0	2412	1000~26500	-7.16	-50.47	≤-27.16	PASS
11N20MIMO	Ant1	2412	1000~26500	-4.75	-51.44	≤-24.75	PASS
11N20MIMO	Ant0	2437	0~Reference	-6.57	-6.57	---	PASS
11N20MIMO	Ant1	2437	0~Reference	-4.88	-4.88	---	PASS
11N20MIMO	Ant0	2437	30~1000	-6.57	-60.39	≤-26.57	PASS
11N20MIMO	Ant1	2437	30~1000	-4.88	-58.87	≤-24.88	PASS
11N20MIMO	Ant0	2437	1000~26500	-6.57	-51.72	≤-26.57	PASS
11N20MIMO	Ant1	2437	1000~26500	-4.88	-52.14	≤-24.88	PASS
11N20MIMO	Ant0	2462	0~Reference	-8.10	-8.10	---	PASS
11N20MIMO	Ant1	2462	0~Reference	-3.03	-3.03	---	PASS
11N20MIMO	Ant0	2462	30~1000	-8.10	-60.28	≤-28.1	PASS
11N20MIMO	Ant1	2462	30~1000	-3.03	-60.45	≤-23.03	PASS
11N20MIMO	Ant0	2462	1000~26500	-8.10	-52.46	≤-28.1	PASS
11N20MIMO	Ant1	2462	1000~26500	-3.03	-51.9	≤-23.03	PASS

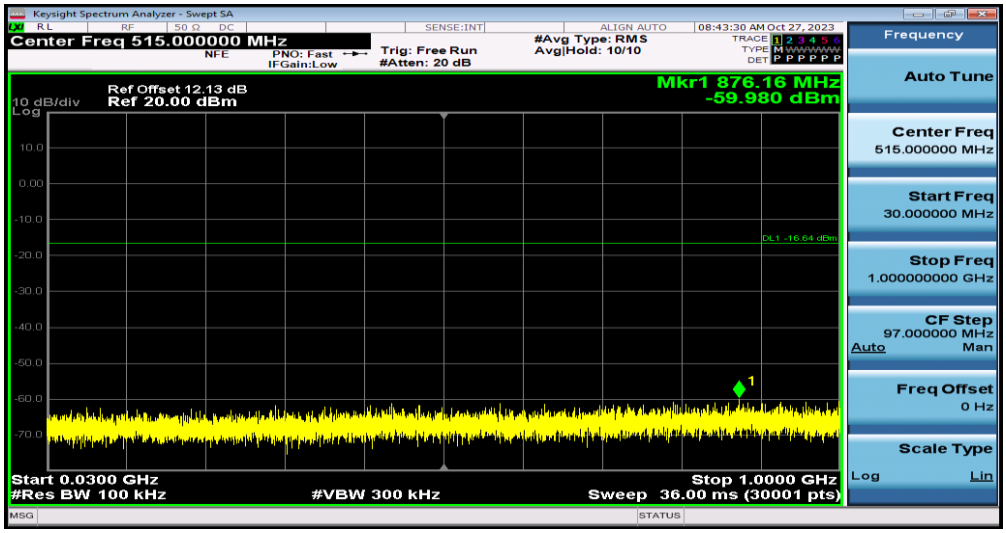
Test Graphs

11B-Ant0-2412-0~Reference

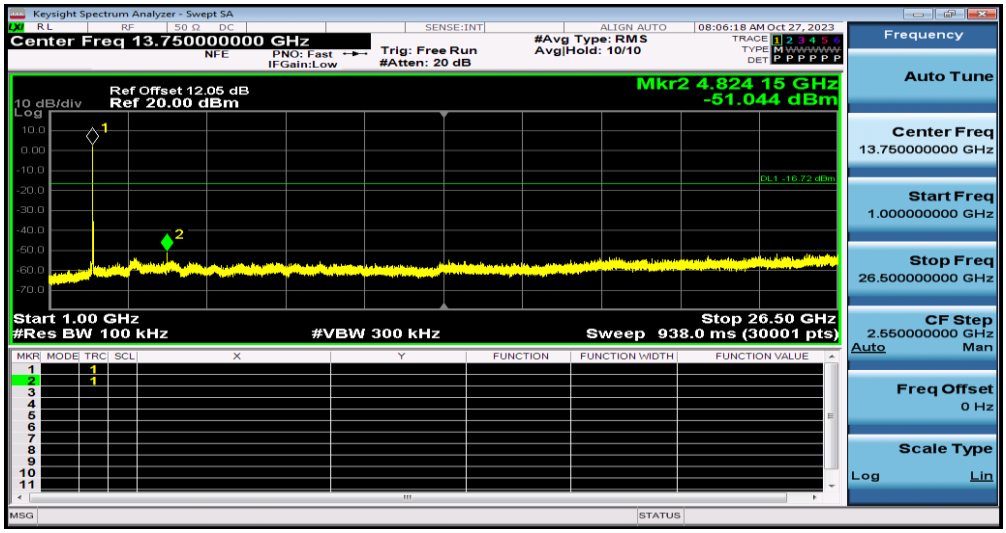
11B-Ant1-2412-0~Reference



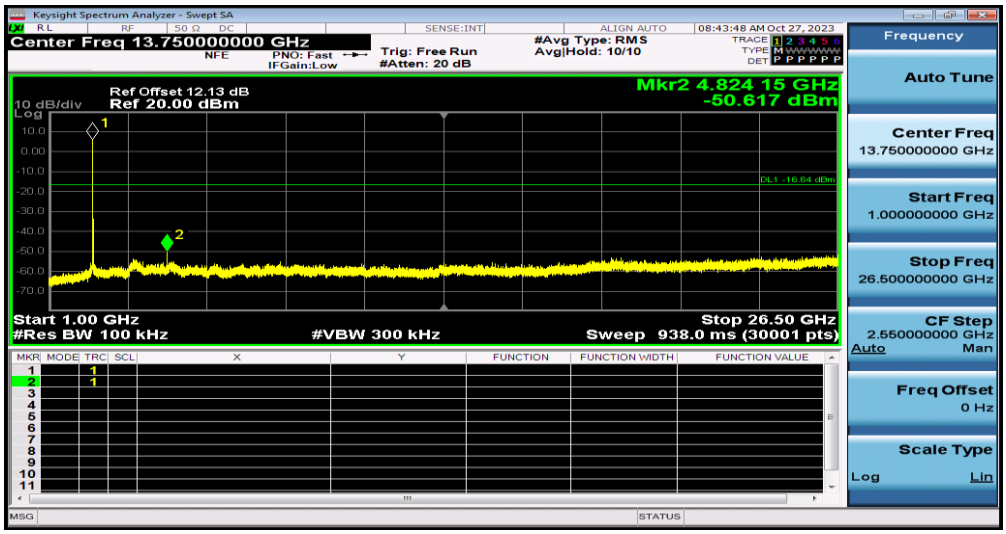
11B-Ant0-2412-30~1000



11B-Ant1-2412-30~1000



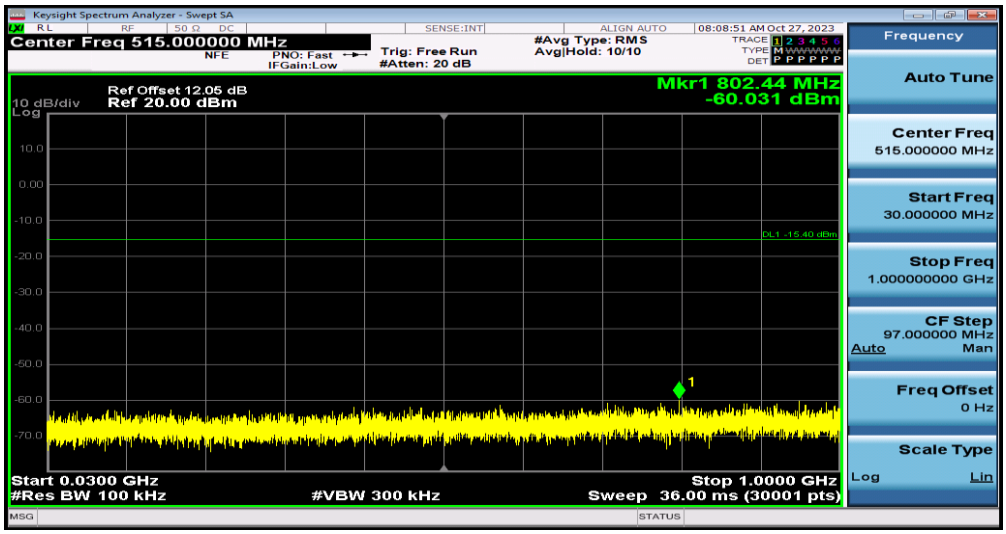
11B-Ant0-2412-1000~26500



11B-Ant1-2412-1000~26500

11B-Ant0-2437-0~Reference

11B-Ant1-2437-0~Reference



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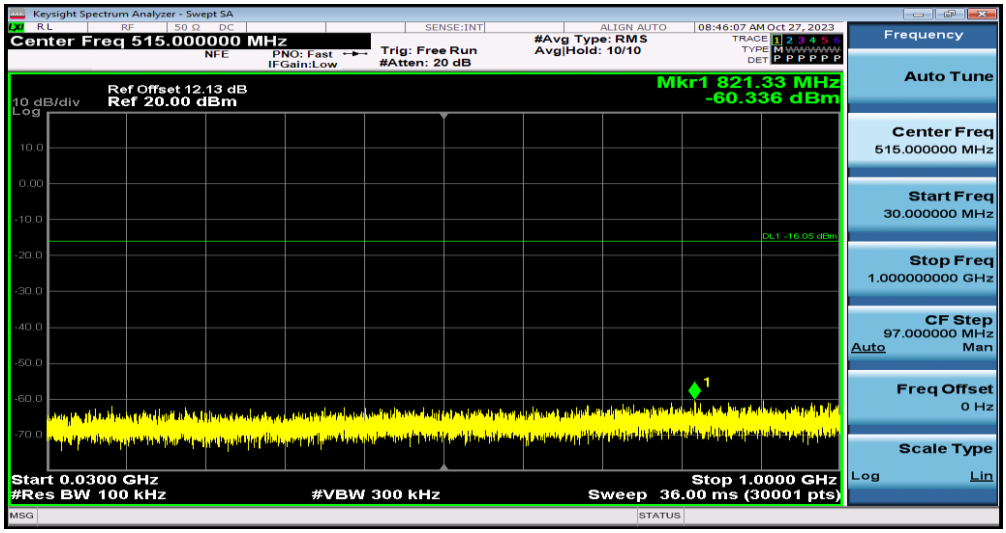

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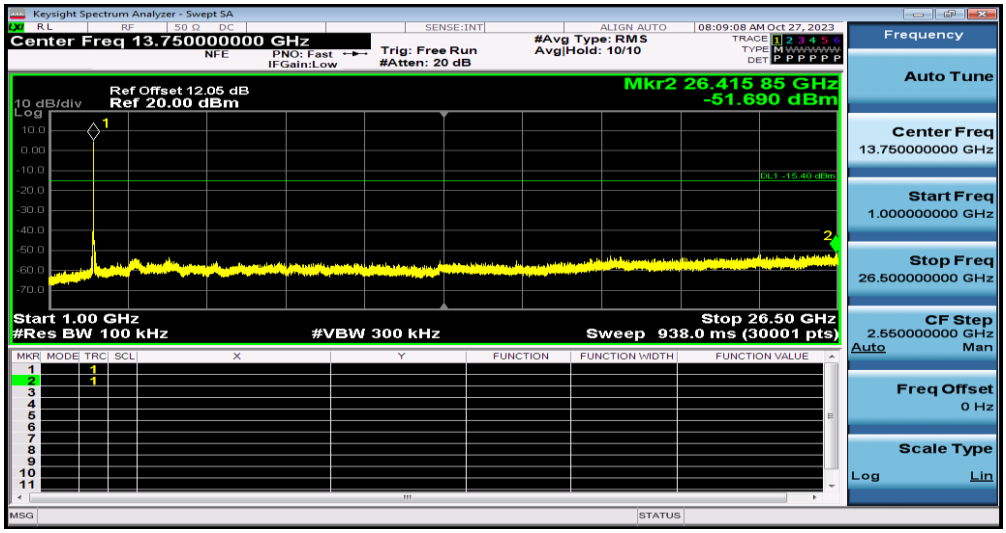

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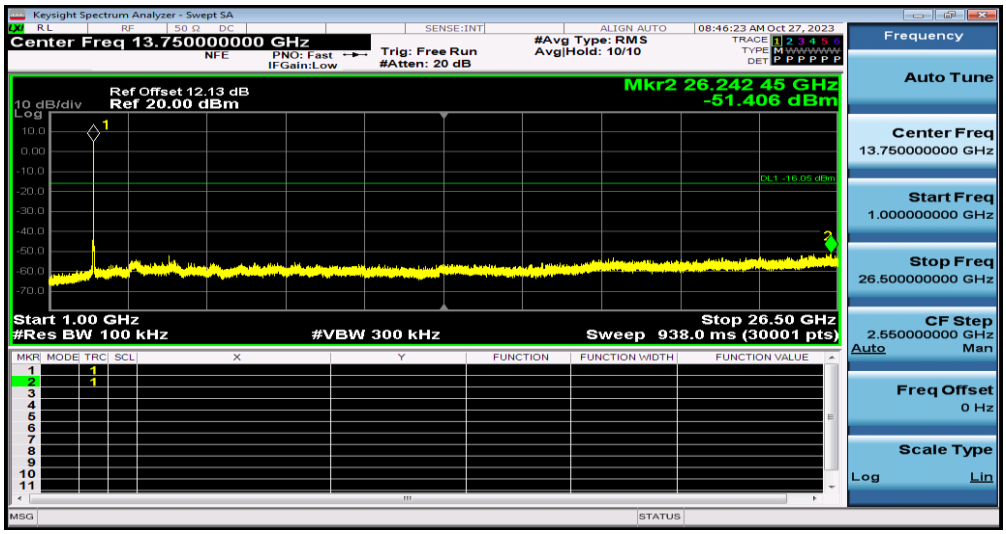
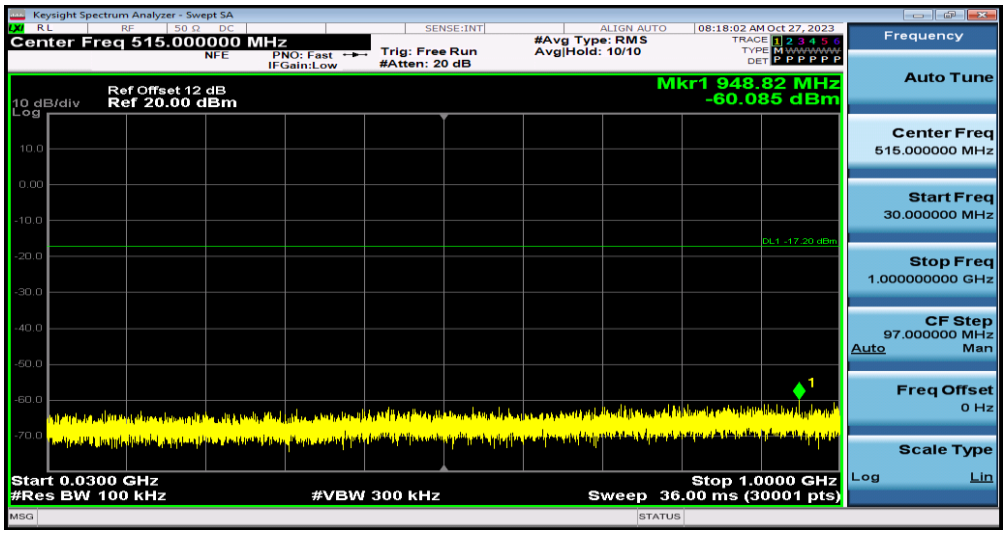


11B-Ant1-2437-1000~26500

11B-Ant0-2462-0~Reference

11B-Ant1-2462-0~Reference



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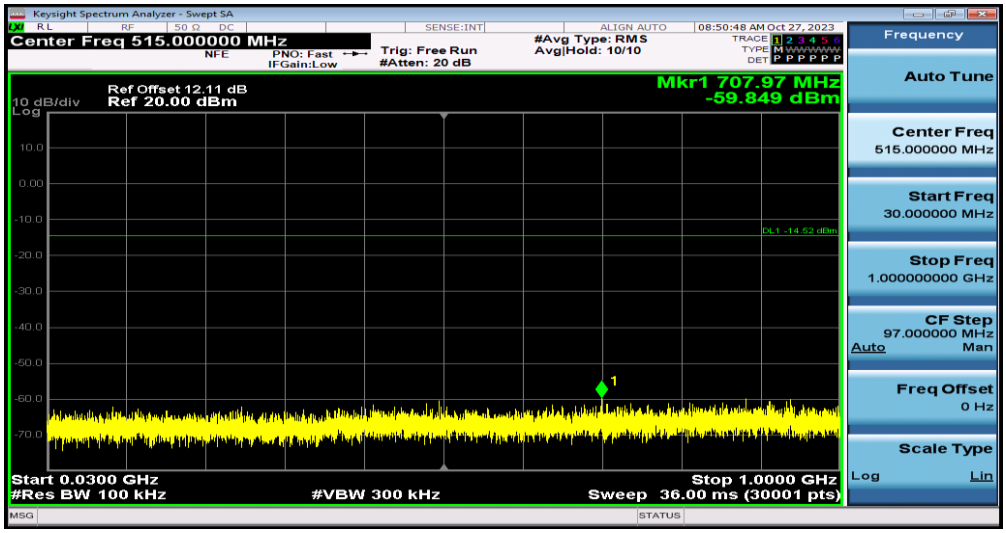

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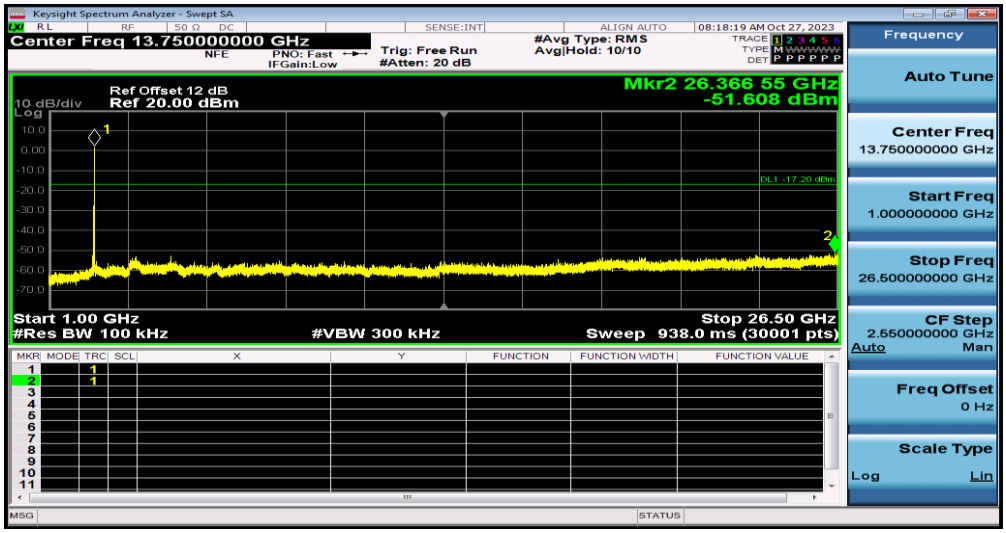
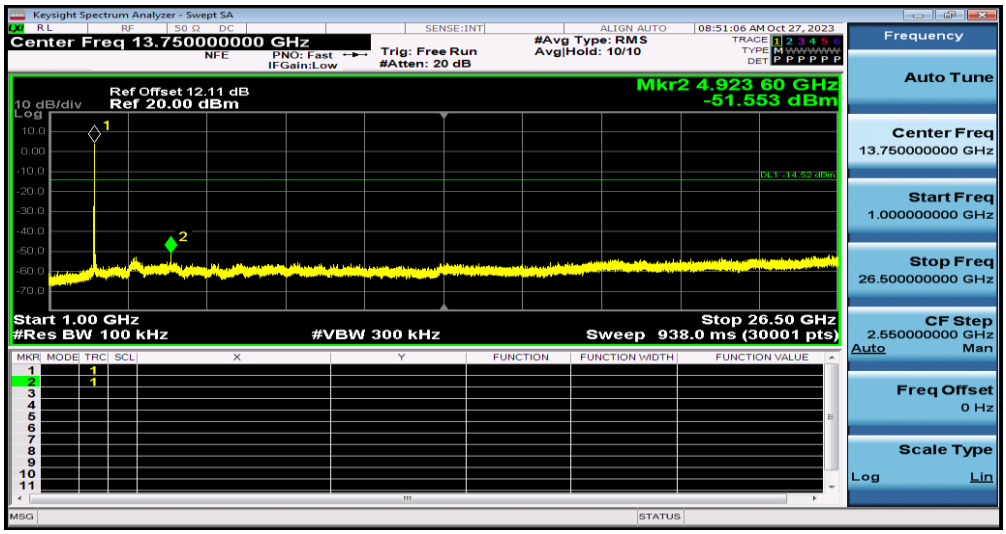
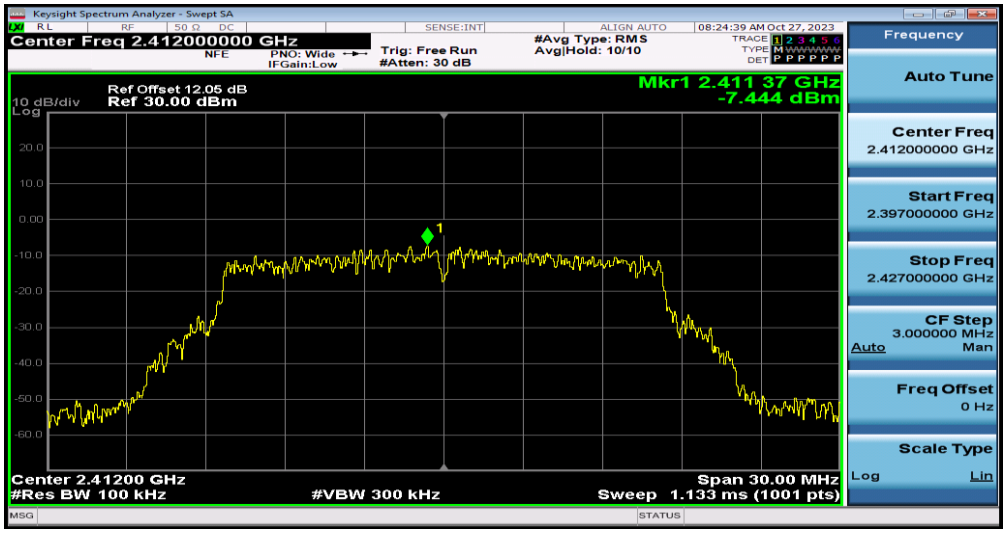


11B-Ant0-2462-1000~26500



11B-Ant1-2462-1000~26500



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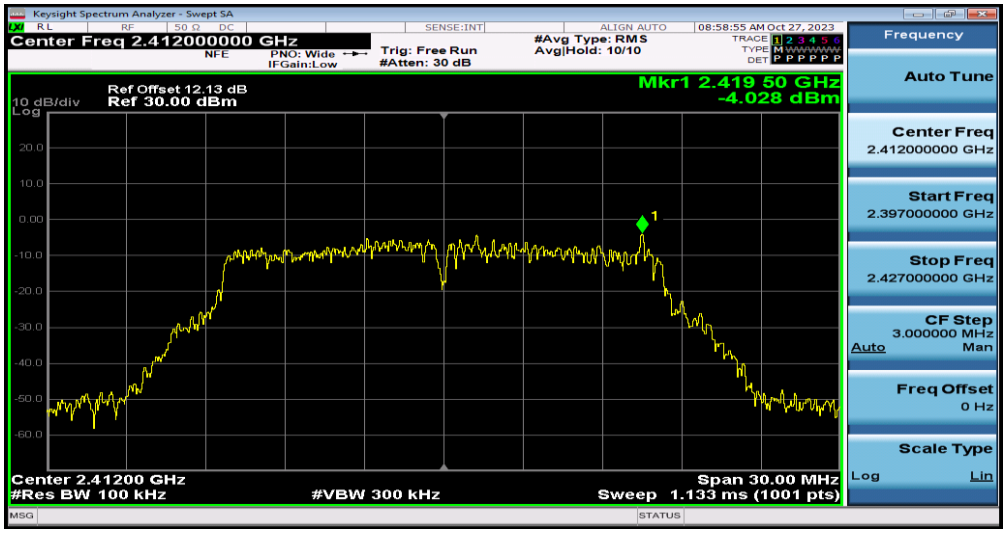

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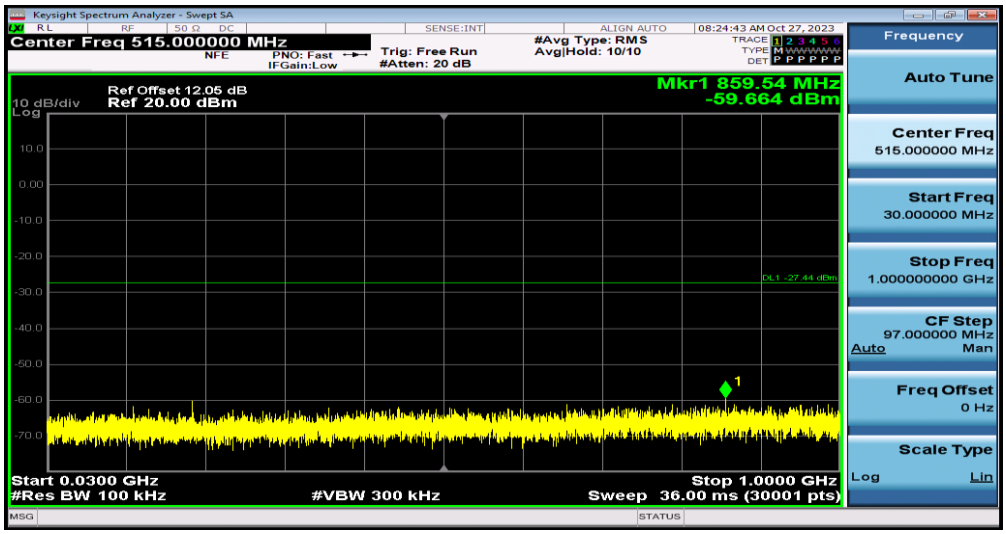

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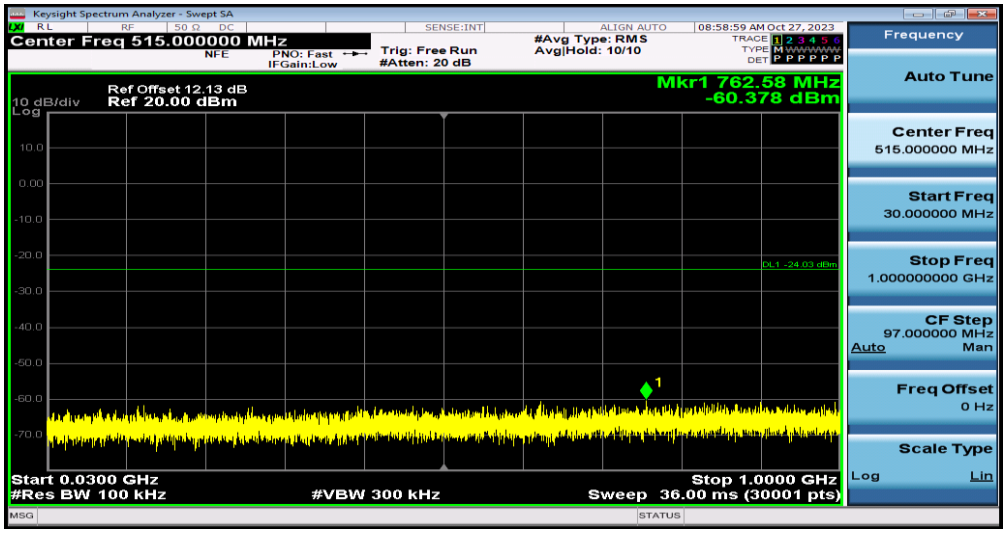

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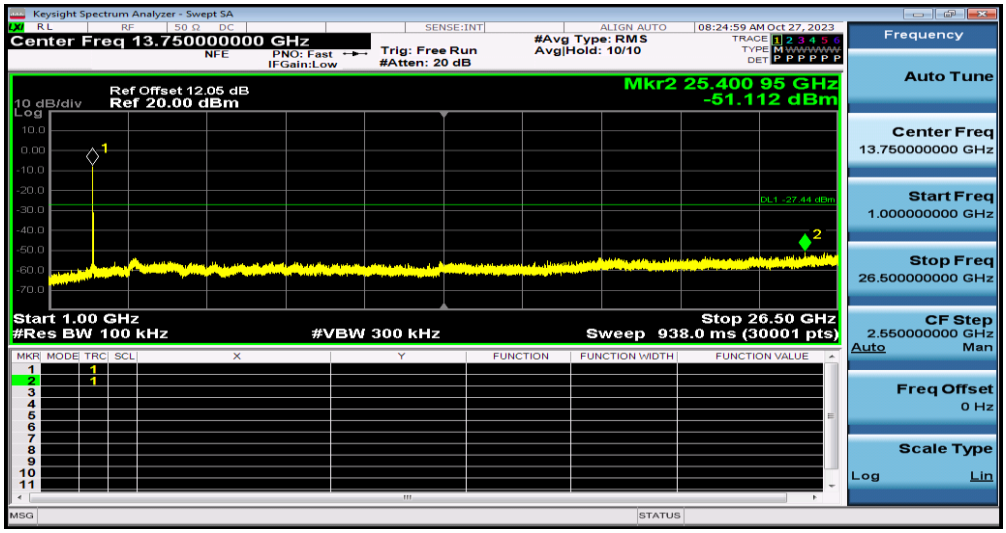
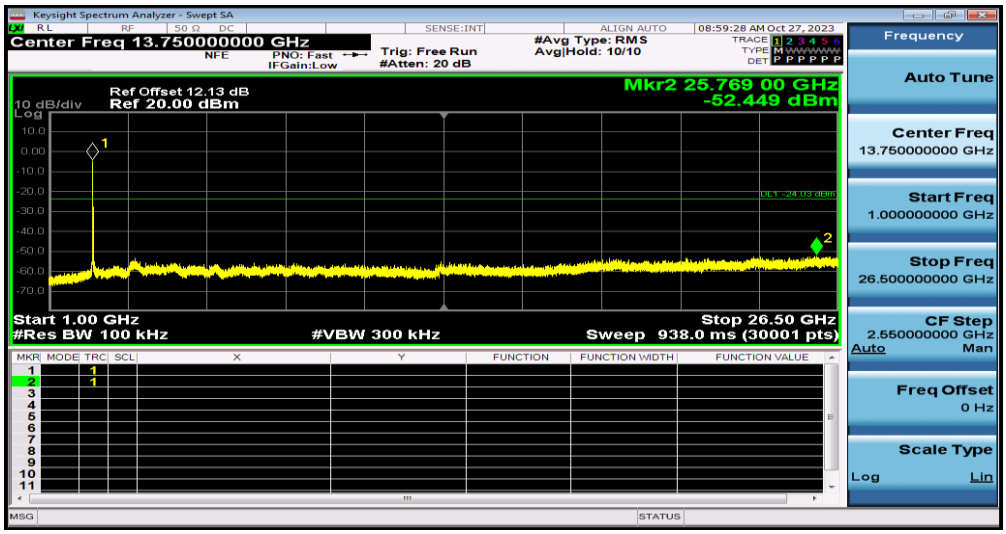
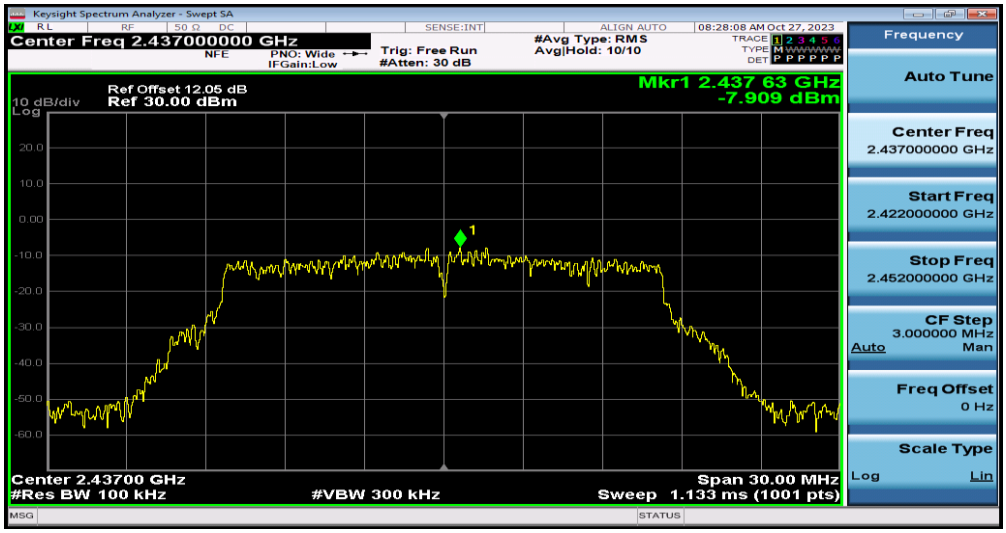


11G-Ant0-2412-1000~26500



11G-Ant1-2412-1000~26500



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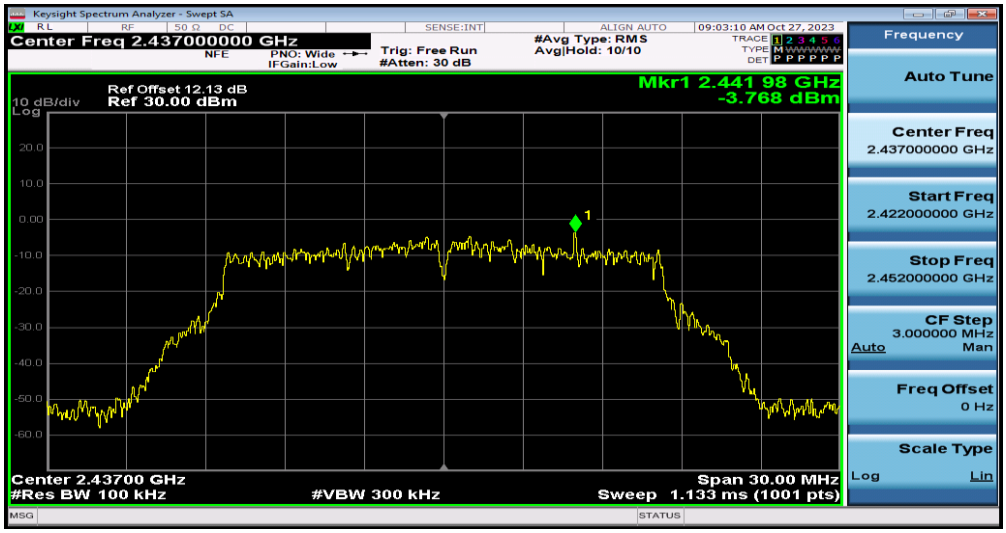

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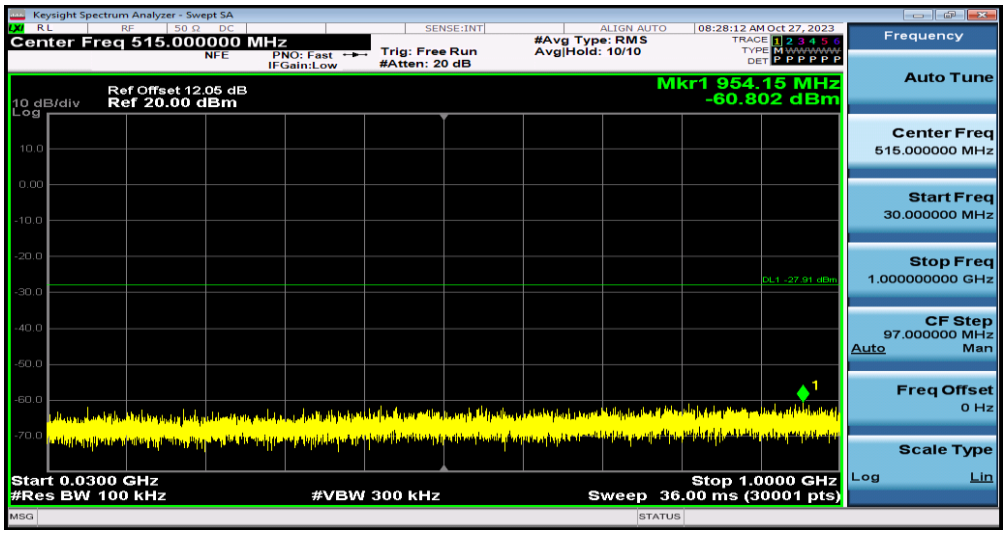
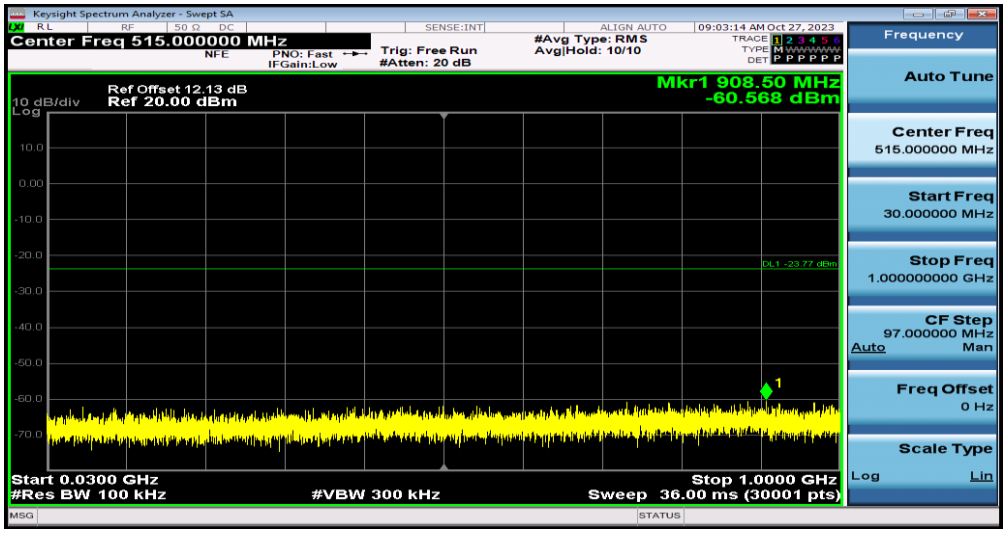
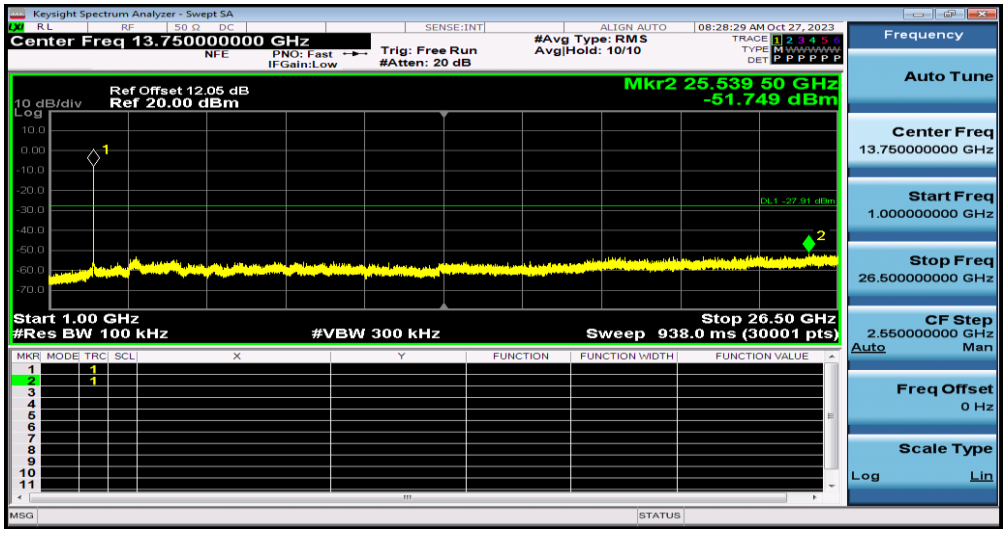


11G-Ant0-2437-30~1000



11G-Ant1-2437-30~1000



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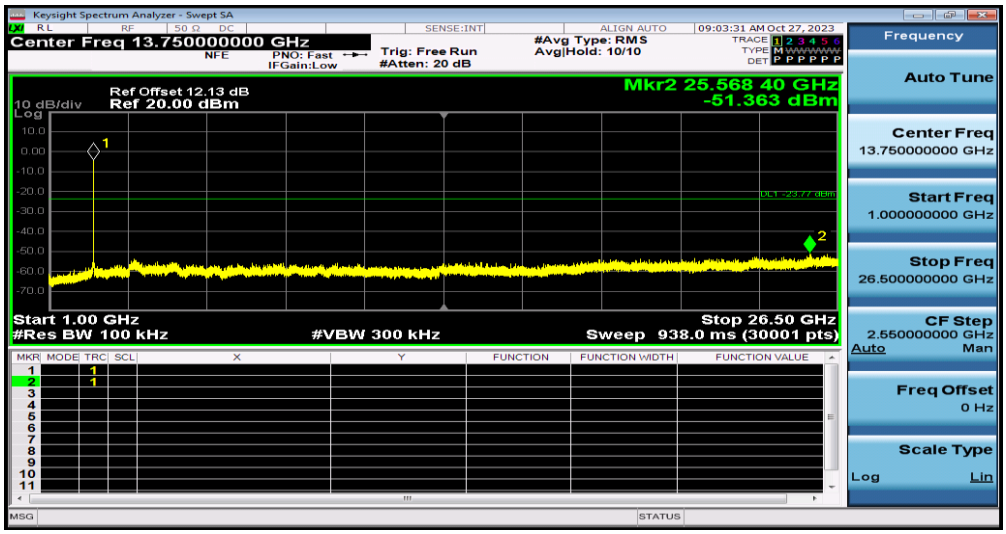

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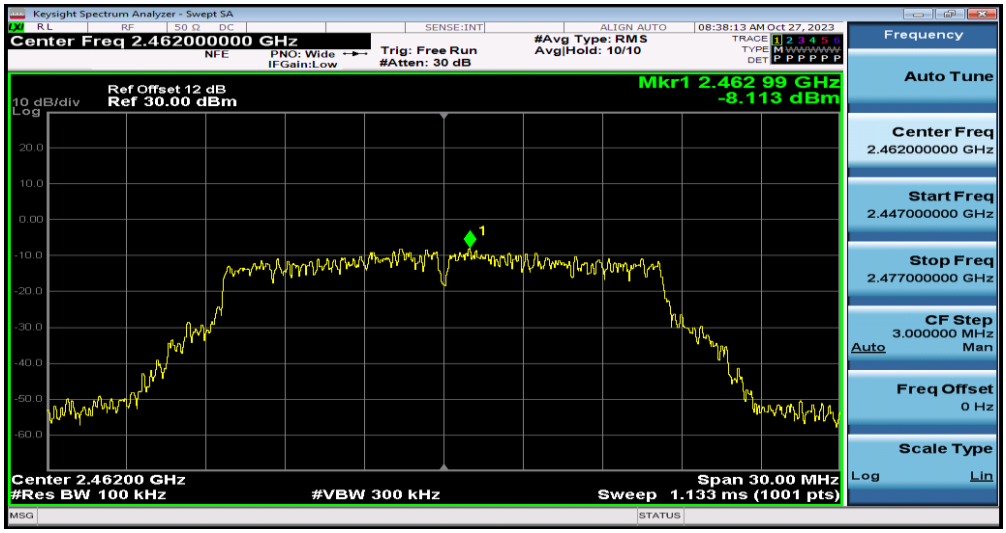

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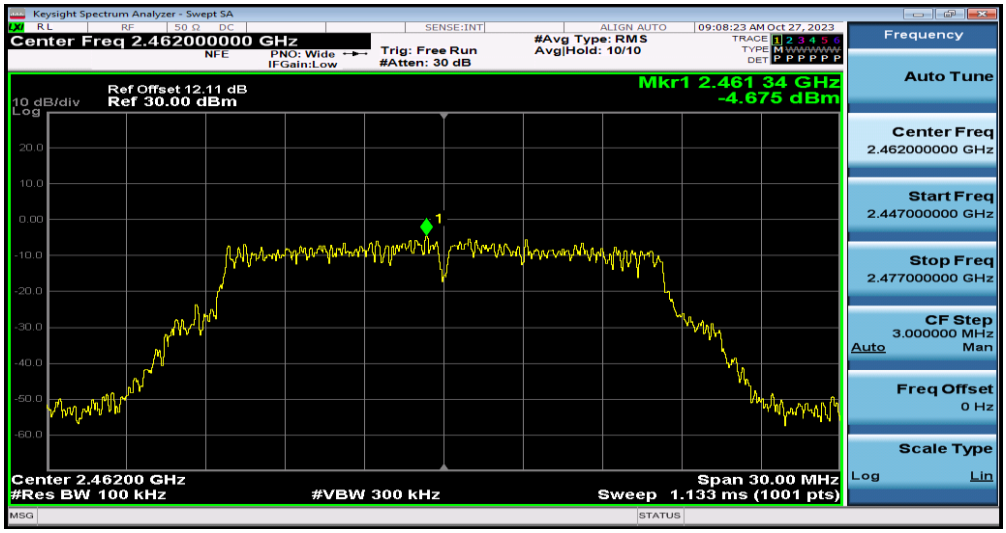

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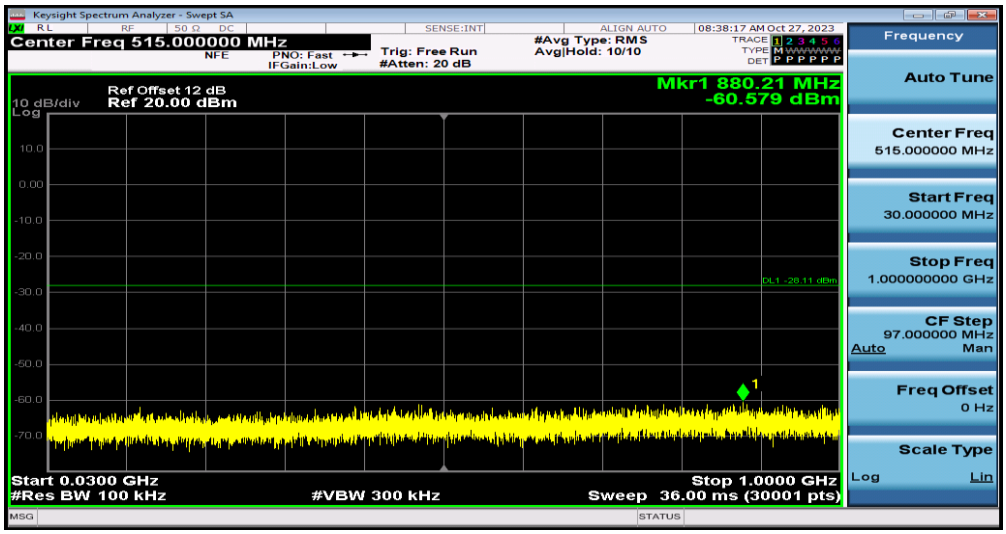

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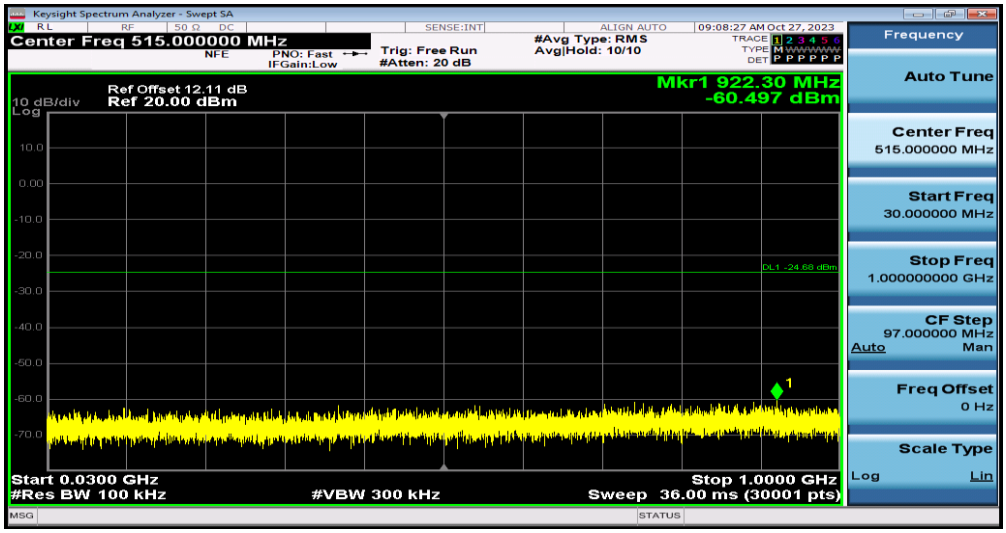

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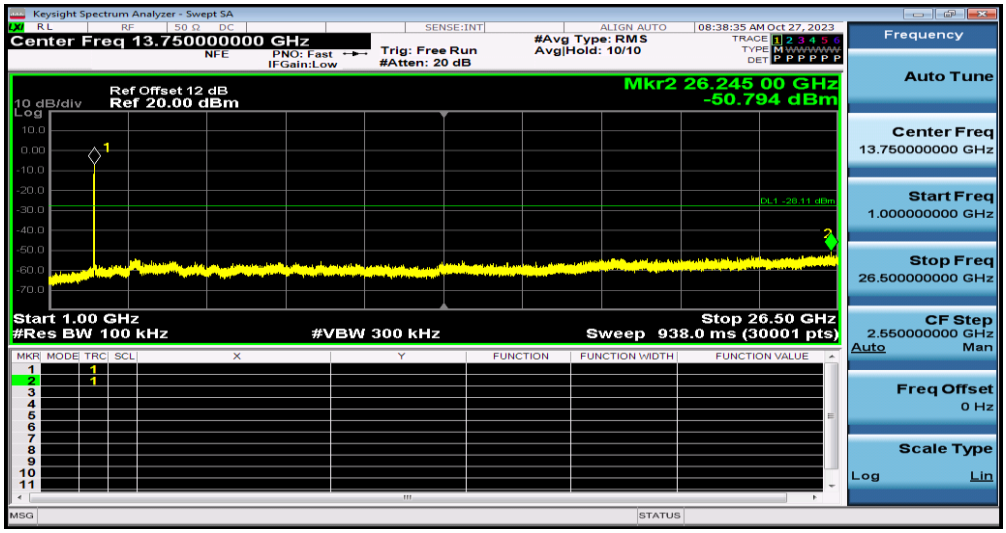

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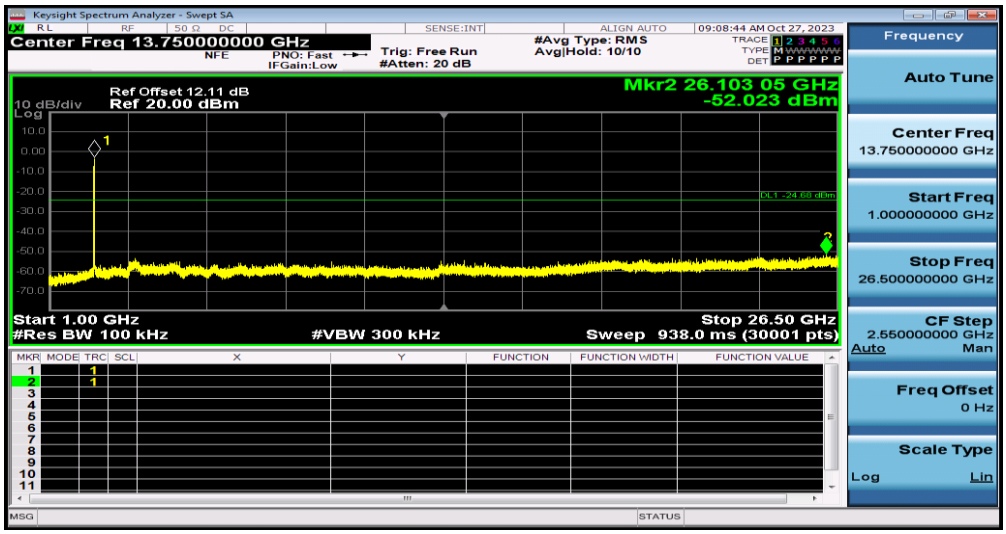

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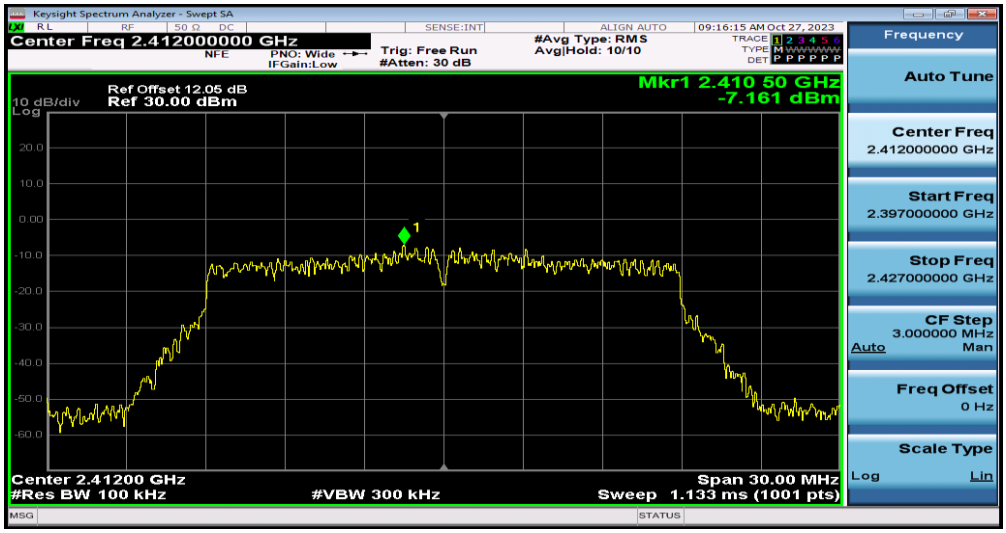

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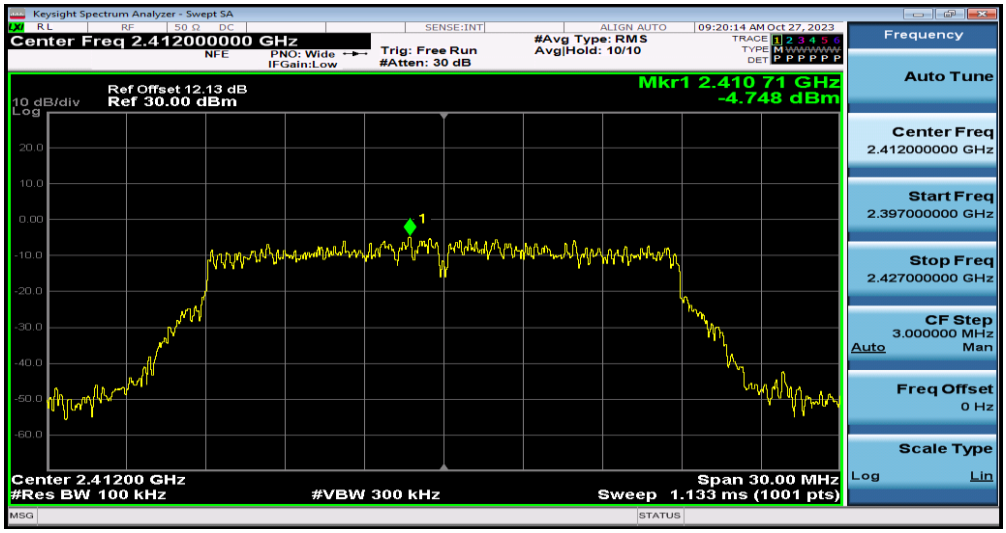

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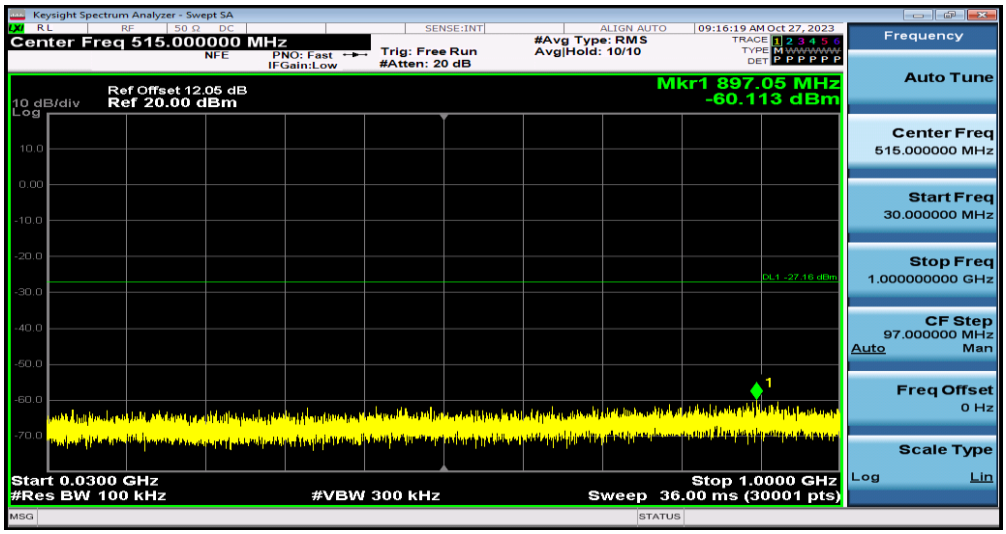
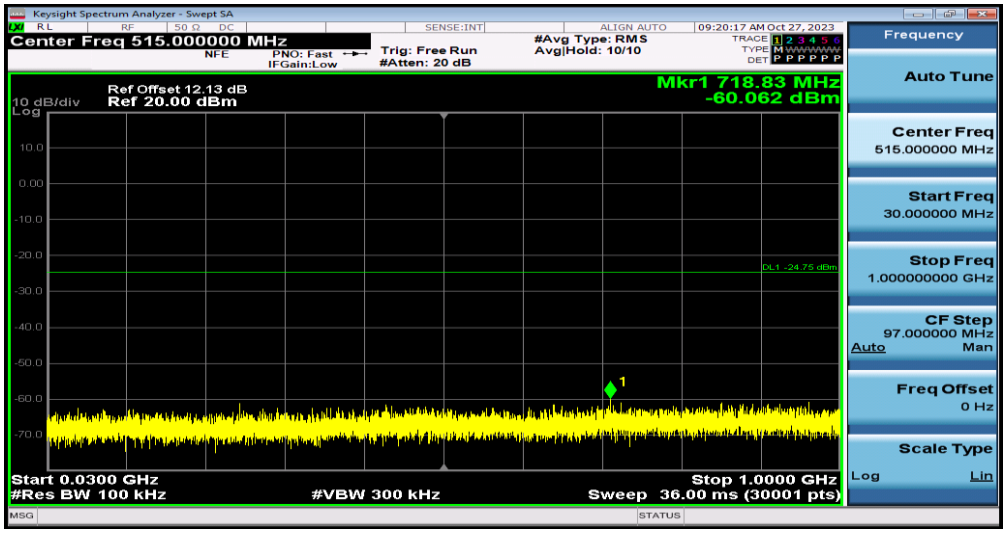


11N20MIMO-Ant0-2412-30~1000



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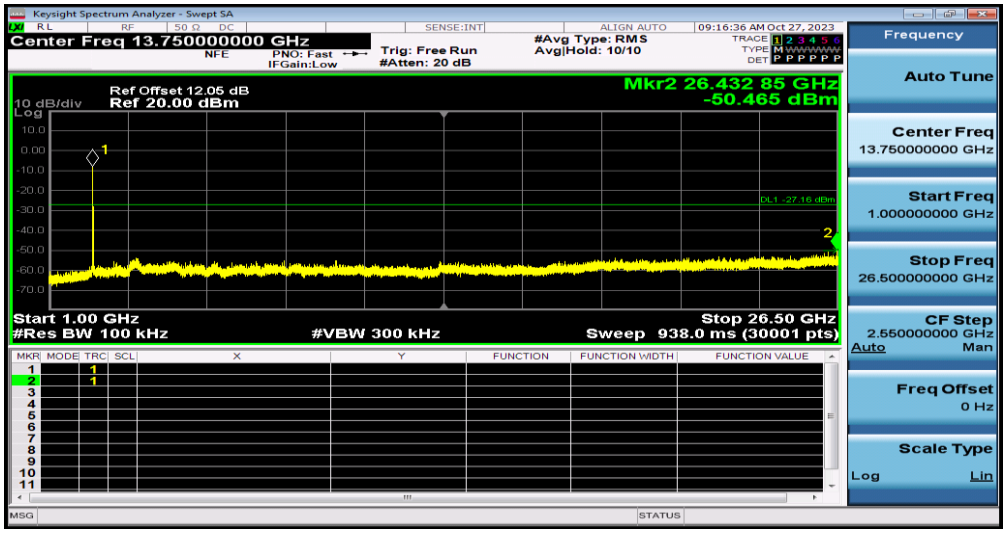

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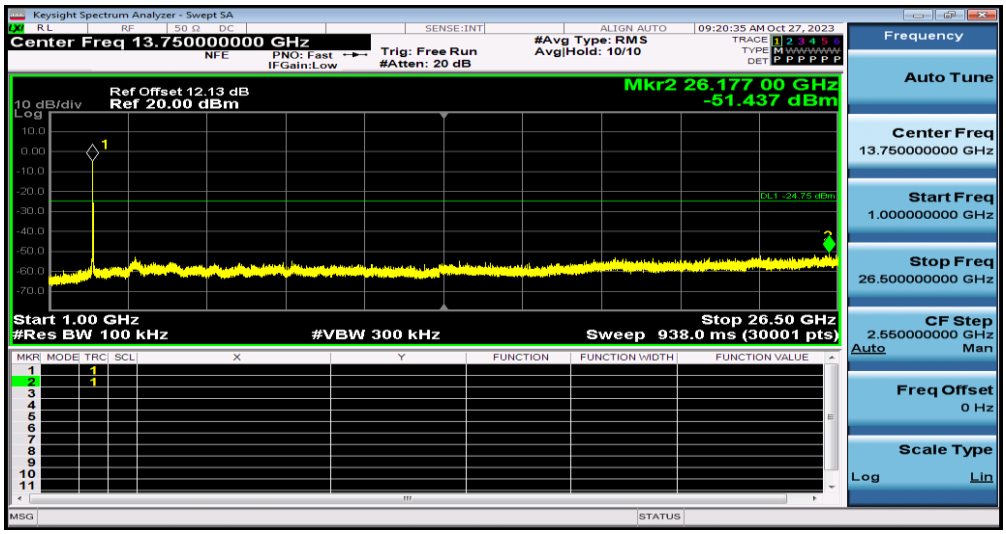

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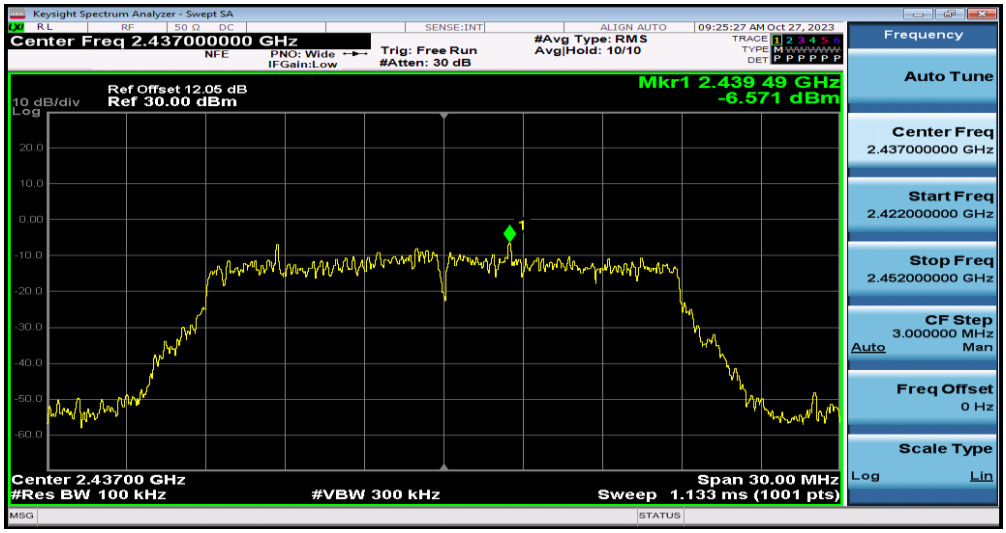

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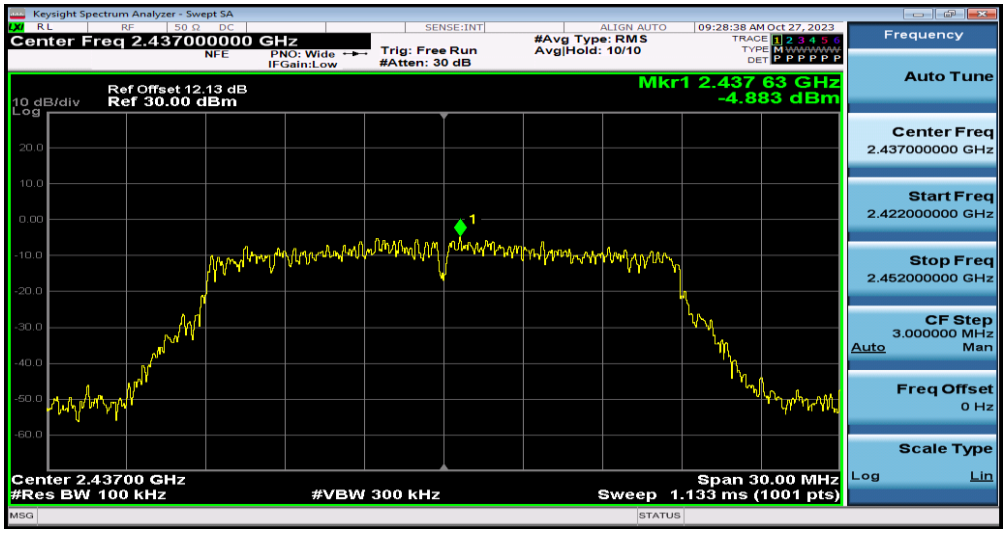

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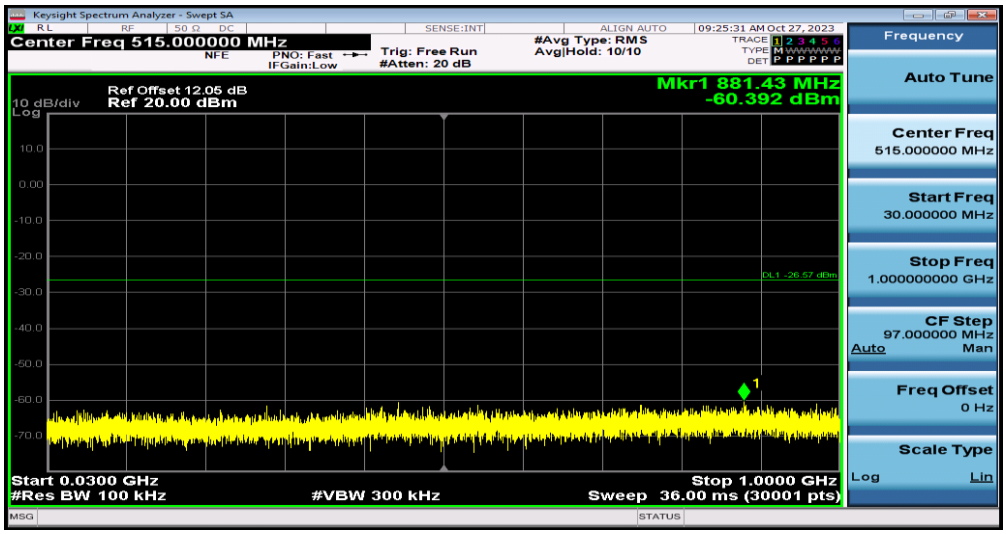

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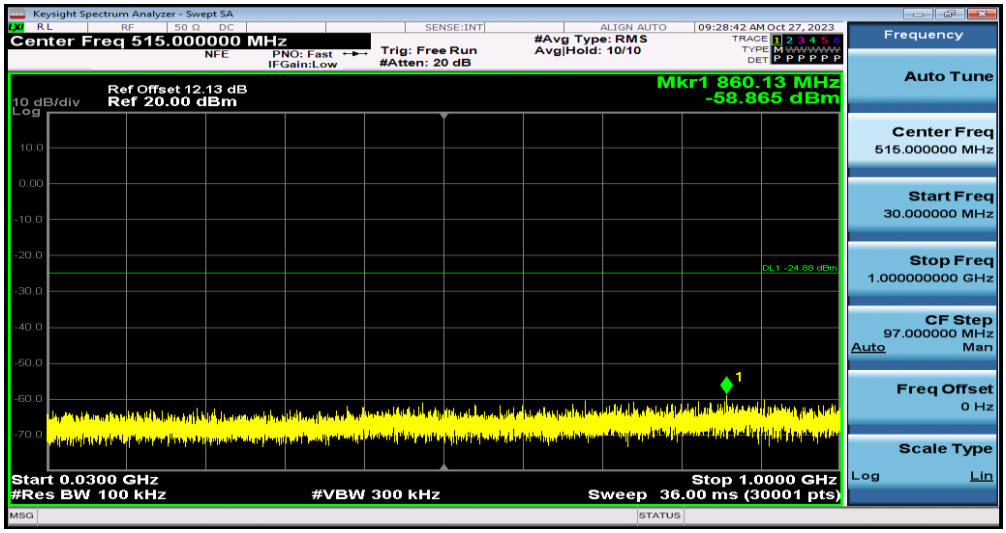

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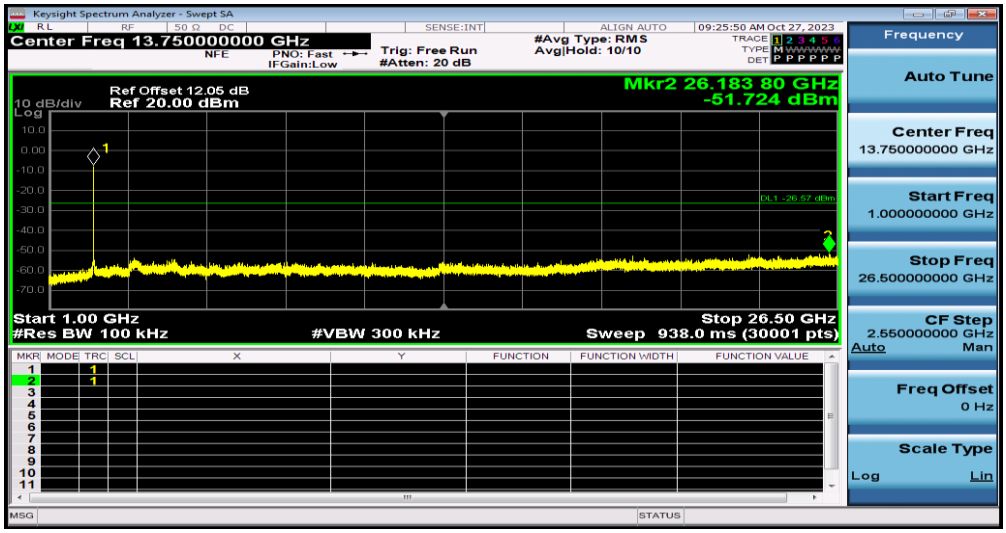

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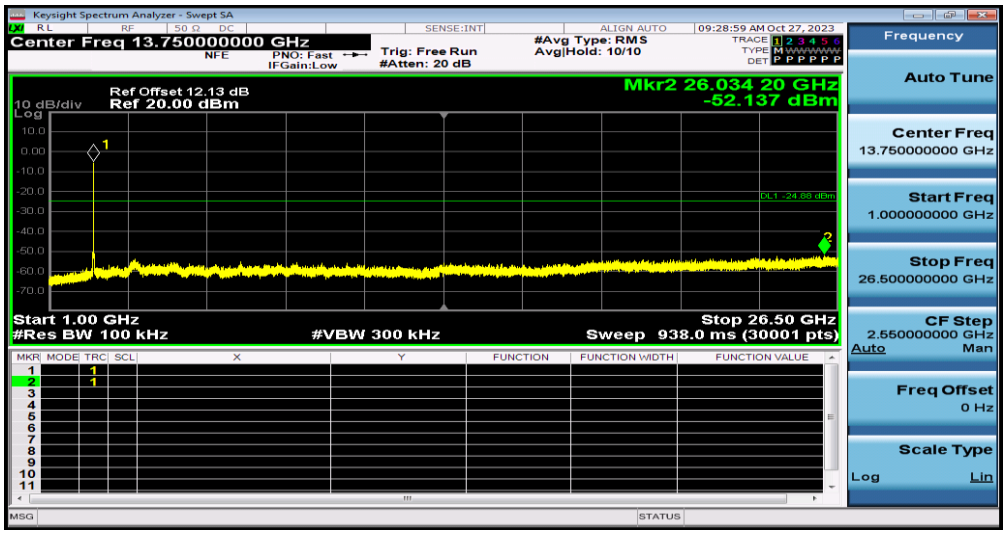

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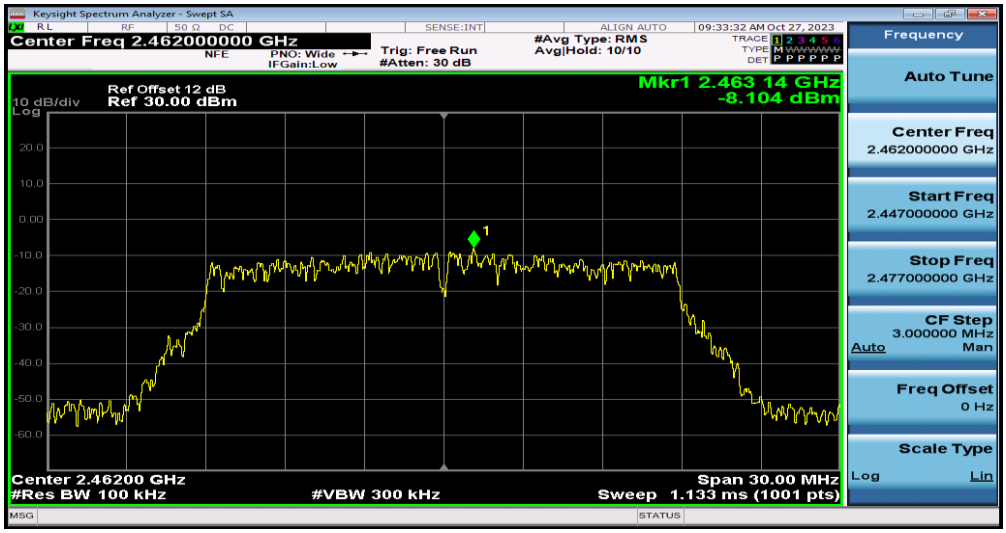

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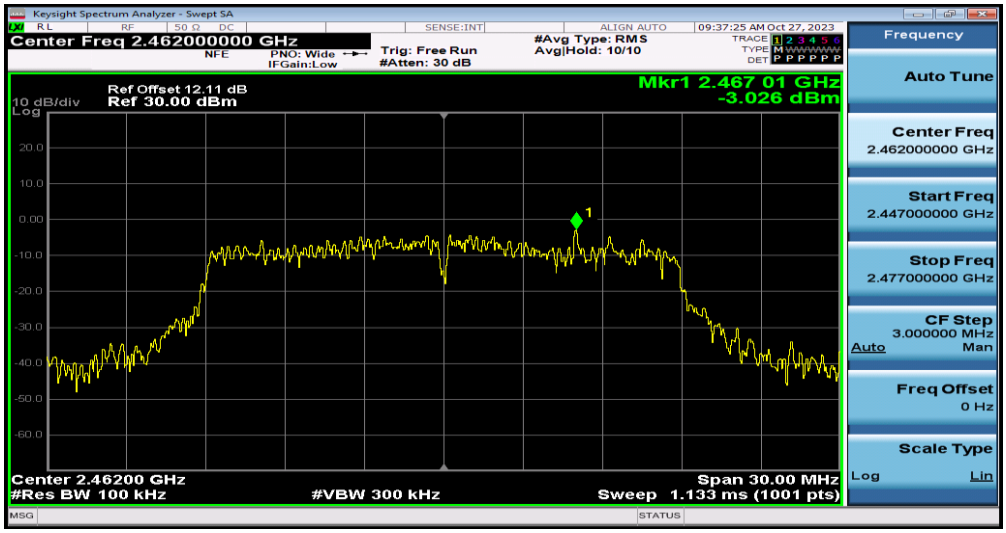

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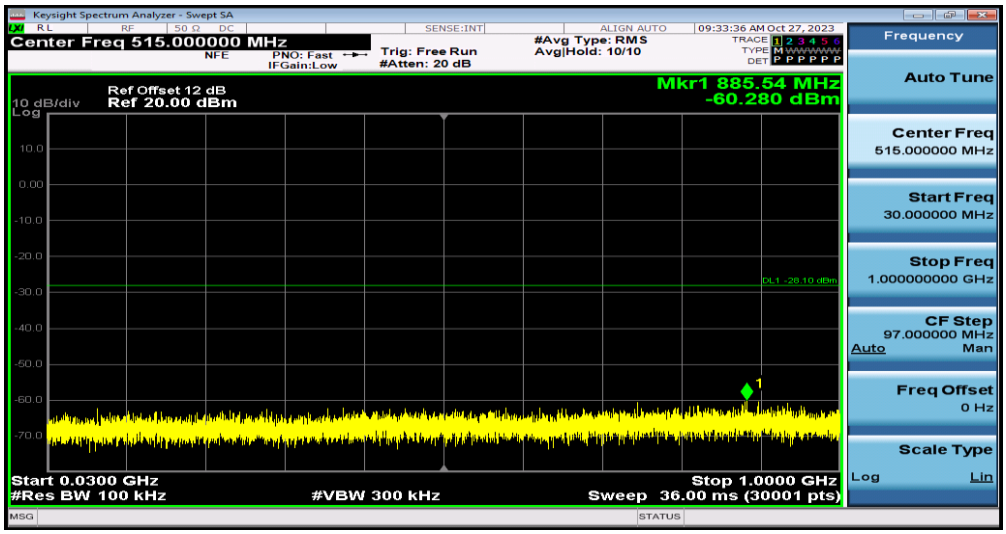

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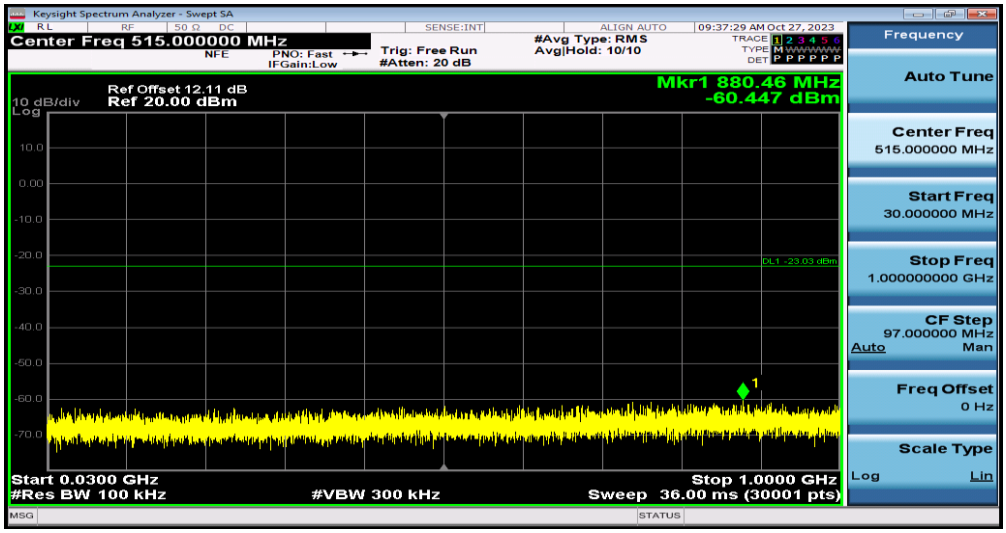

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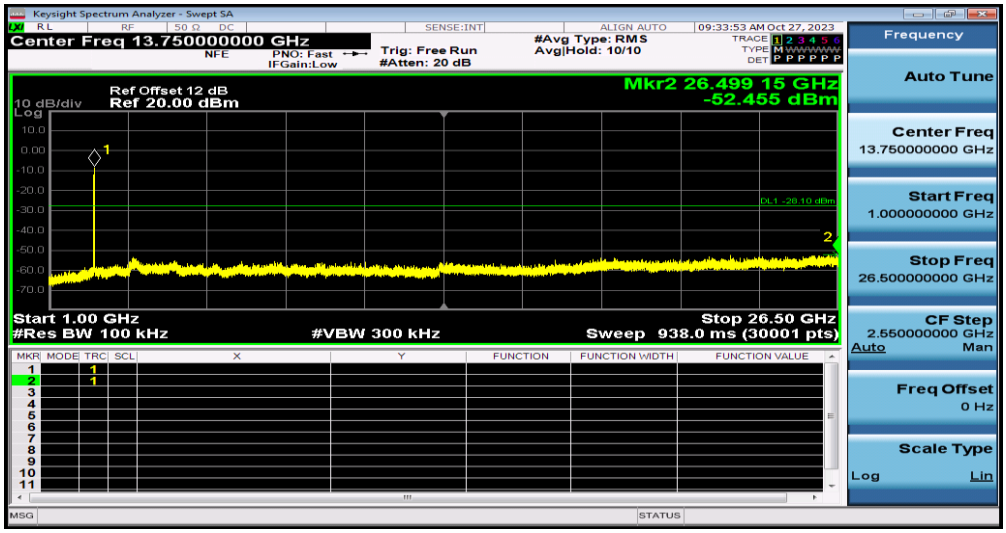
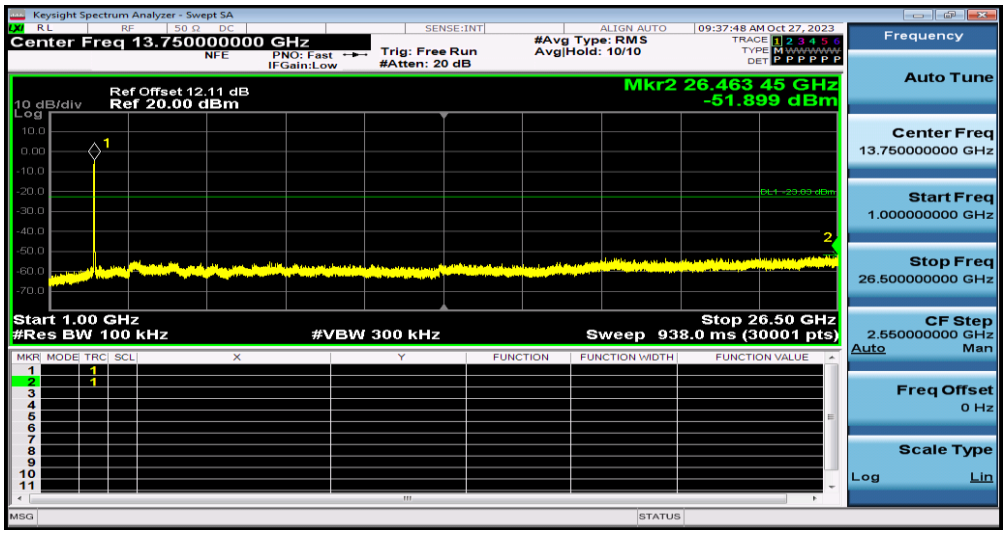


11N20MIMO-Ant0-2462-1000~26500



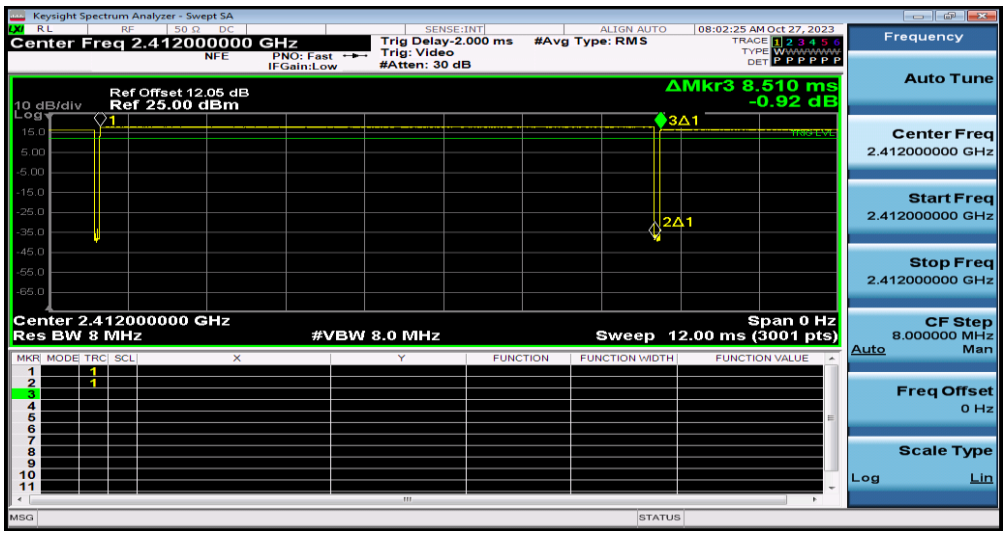
11N20MIMO-Ant1-2462-1000~26500

Appendix C: Duty Cycle

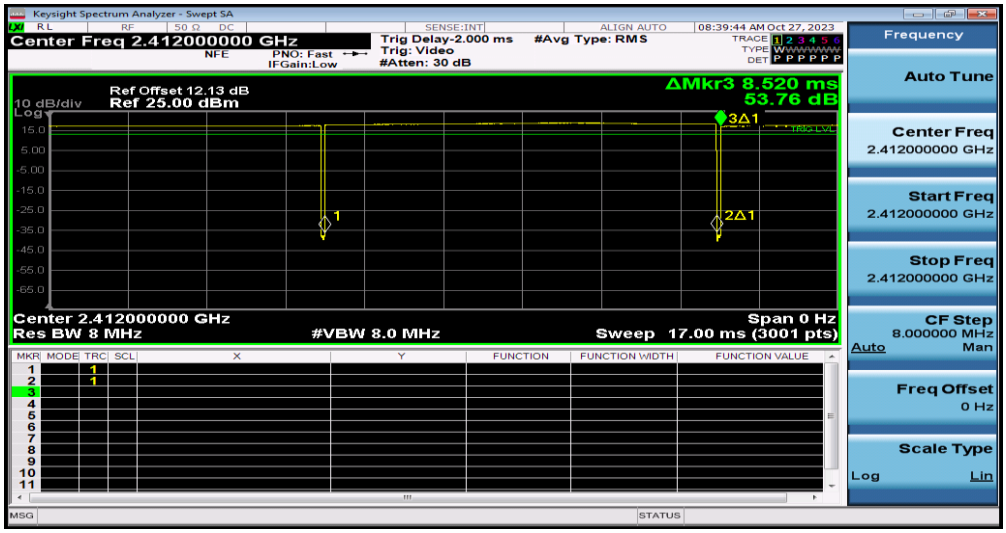
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant0	2412	8.42	8.51	98.94	0.05
11B	Ant1	2412	8.43	8.52	98.94	0.05
11B	Ant0	2437	8.41	8.51	98.82	0.05
11B	Ant1	2437	8.42	8.51	98.94	0.05
11B	Ant0	2462	8.42	8.52	98.83	0.05
11B	Ant1	2462	8.41	8.51	98.82	0.05
11G	Ant0	2412	1.39	1.49	93.29	0.30
11G	Ant1	2412	1.39	1.49	93.29	0.30
11G	Ant0	2437	1.40	1.50	93.33	0.30
11G	Ant1	2437	1.40	1.50	93.33	0.30
11G	Ant0	2462	1.40	1.50	93.33	0.30
11G	Ant1	2462	1.40	1.50	93.33	0.30
11N20MIMO	Ant0	2412	1.31	1.41	92.91	0.32
11N20MIMO	Ant1	2412	1.31	1.41	92.91	0.32
11N20MIMO	Ant0	2437	1.31	1.41	92.91	0.32
11N20MIMO	Ant1	2437	1.30	1.40	92.86	0.32
11N20MIMO	Ant0	2462	1.31	1.40	93.57	0.29
11N20MIMO	Ant1	2462	1.31	1.41	92.91	0.32

Test Graphs



NTNV-11B-Ant0-2412



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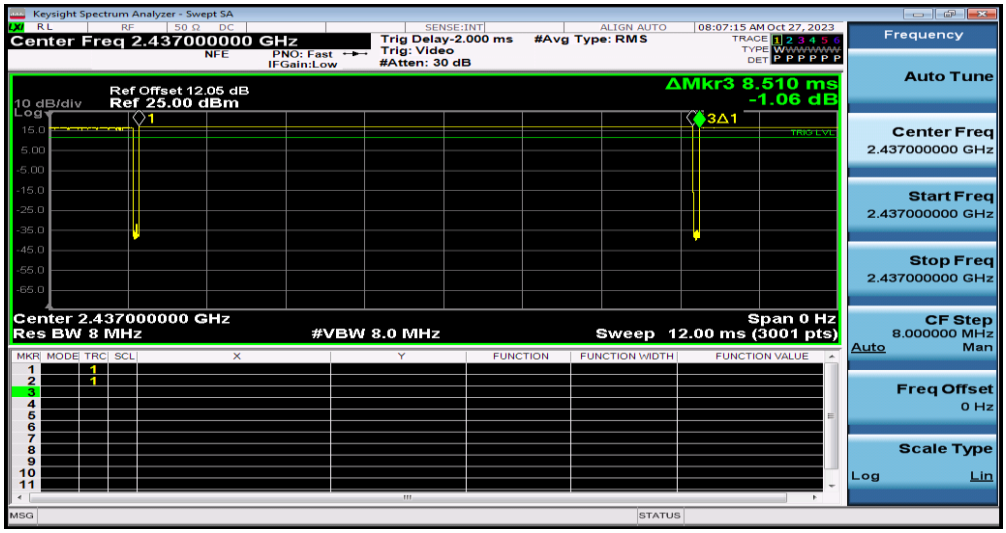

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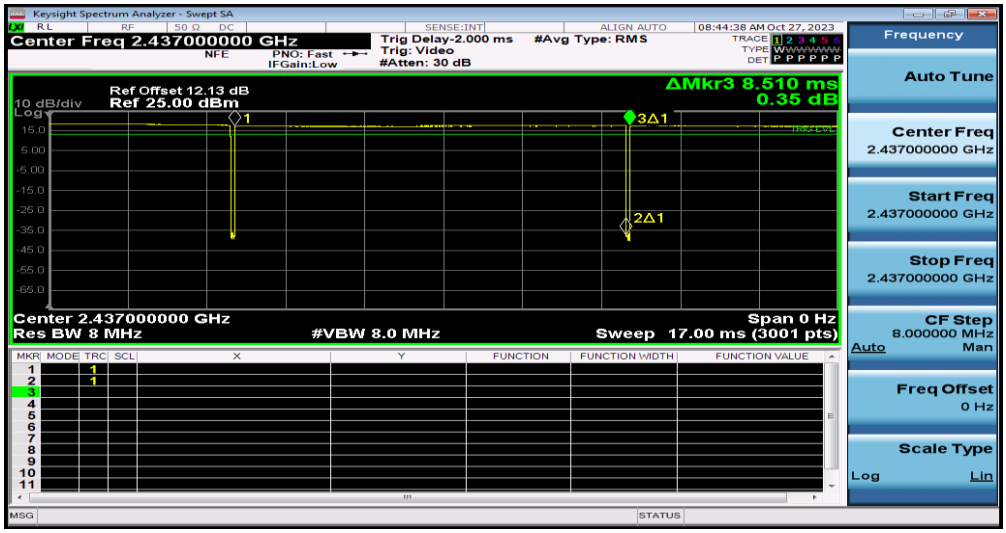

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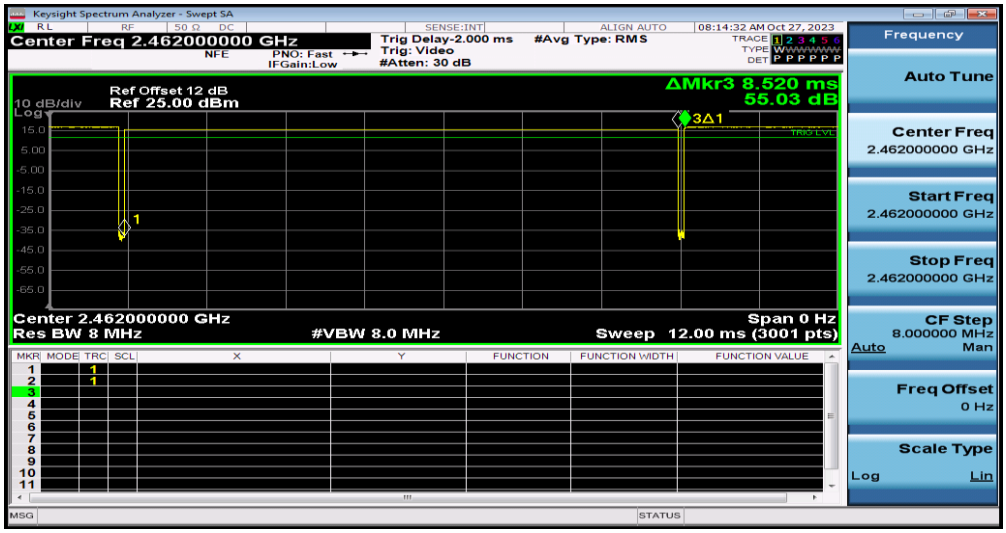

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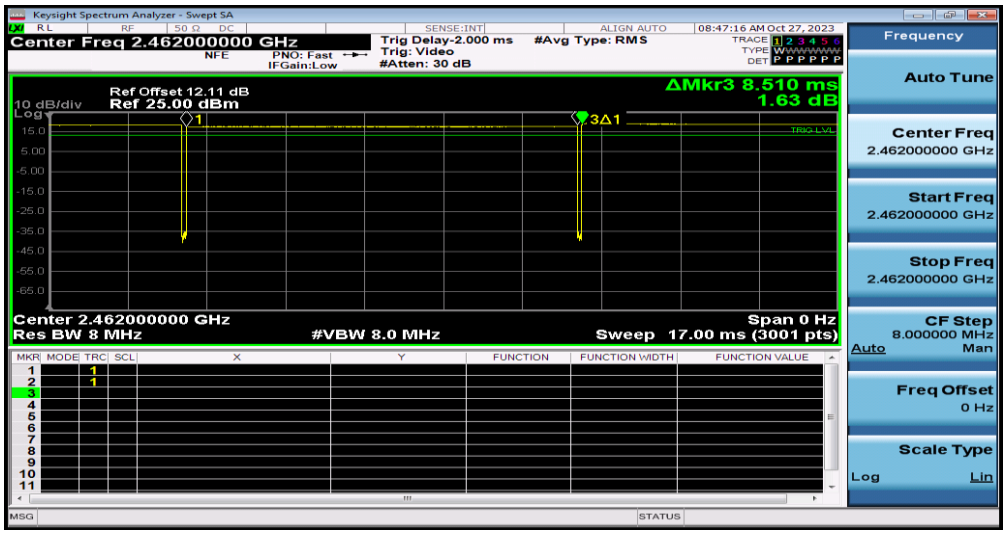

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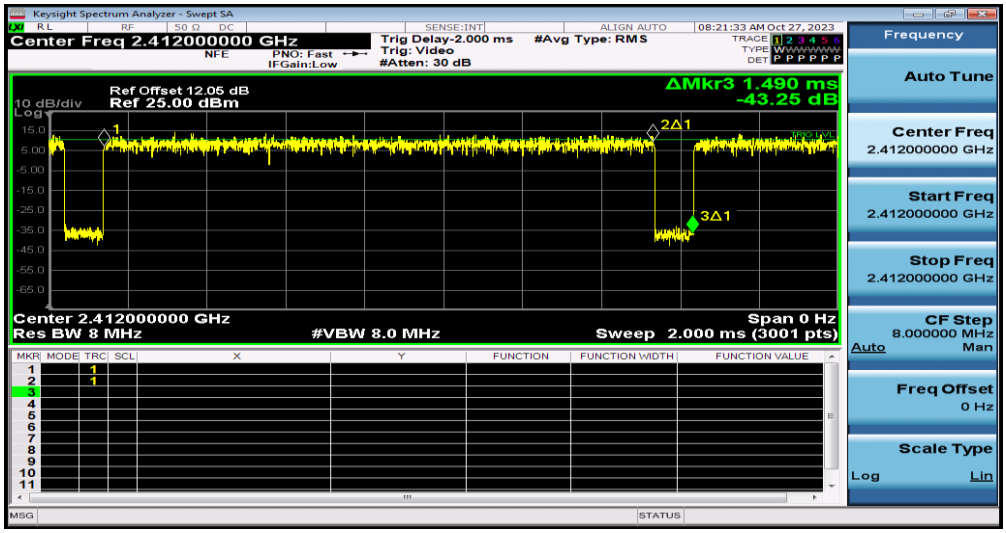

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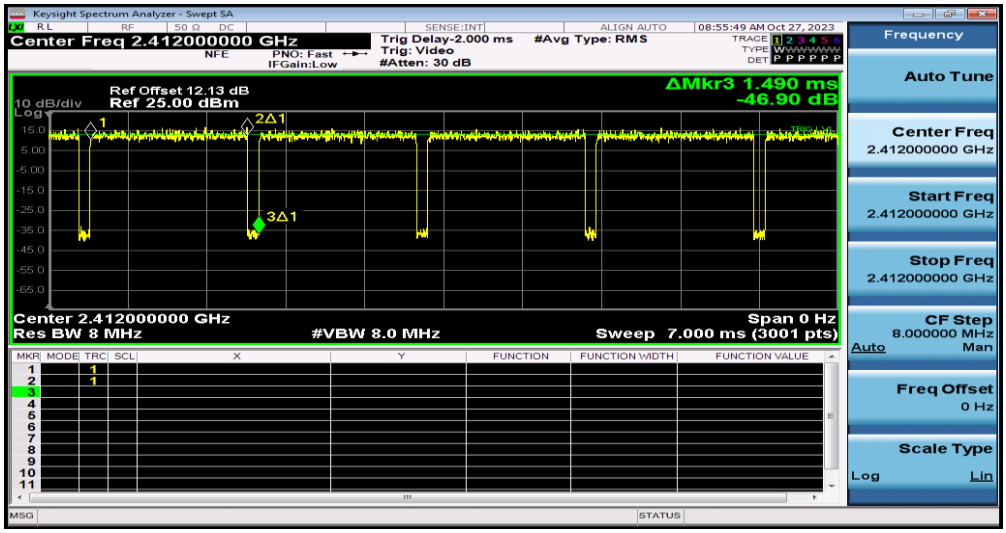

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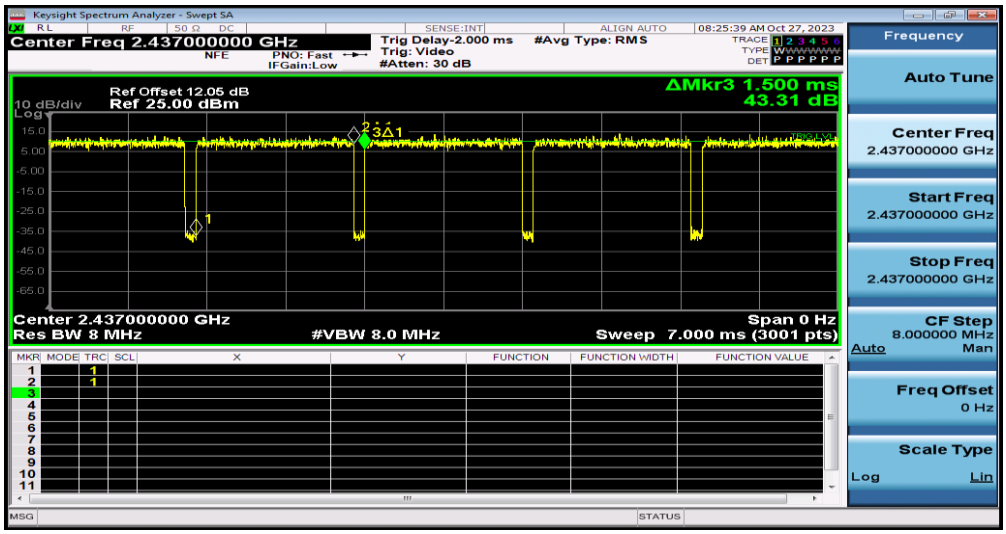

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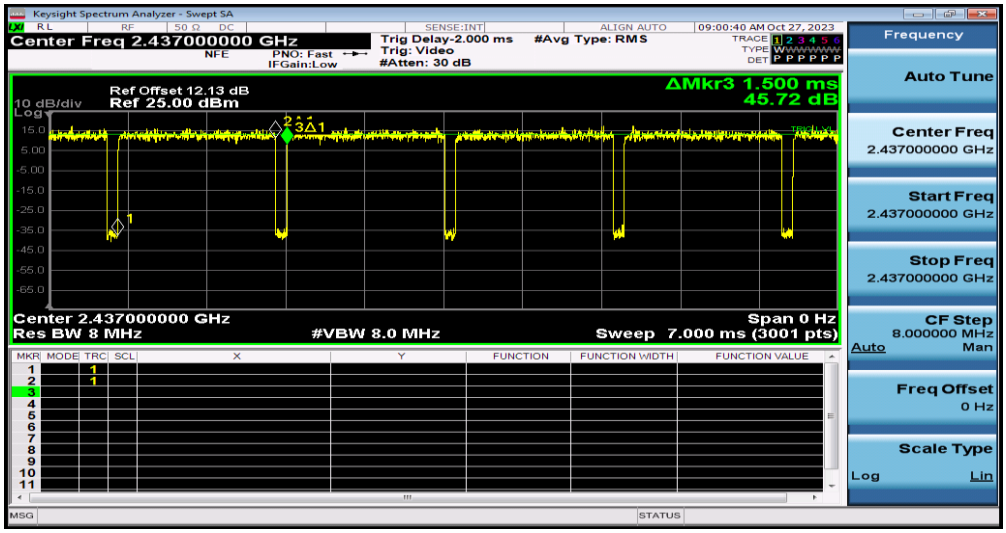

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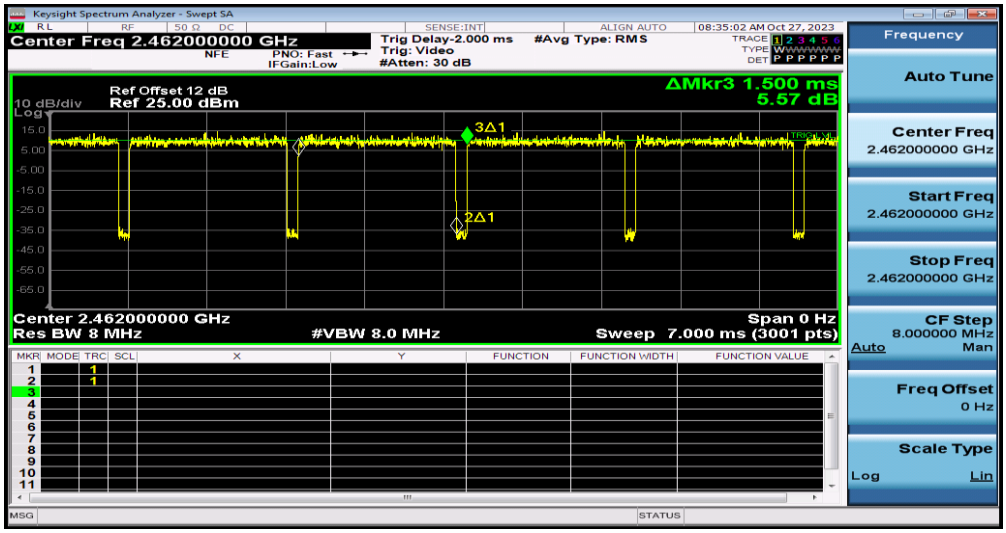

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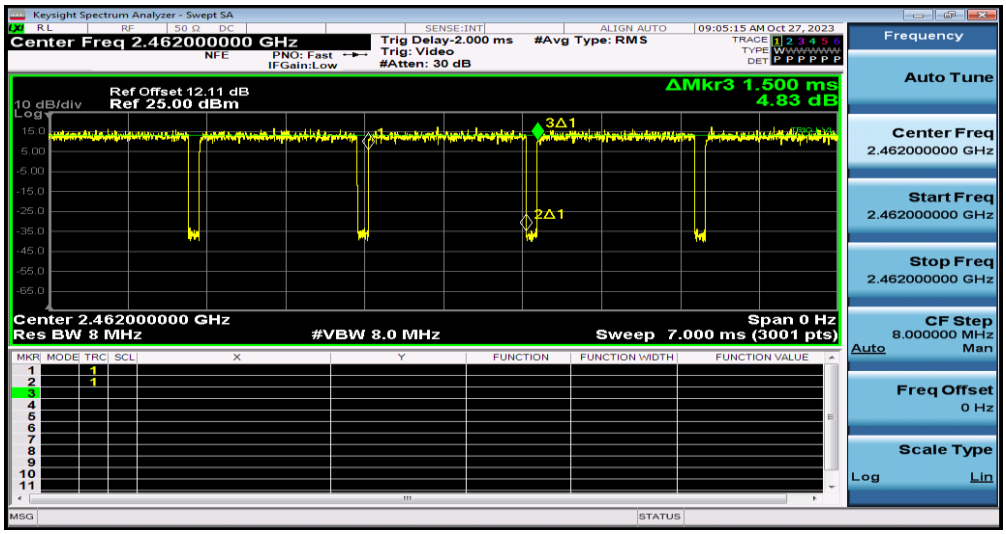

NTNV-11G-Ant1-2462