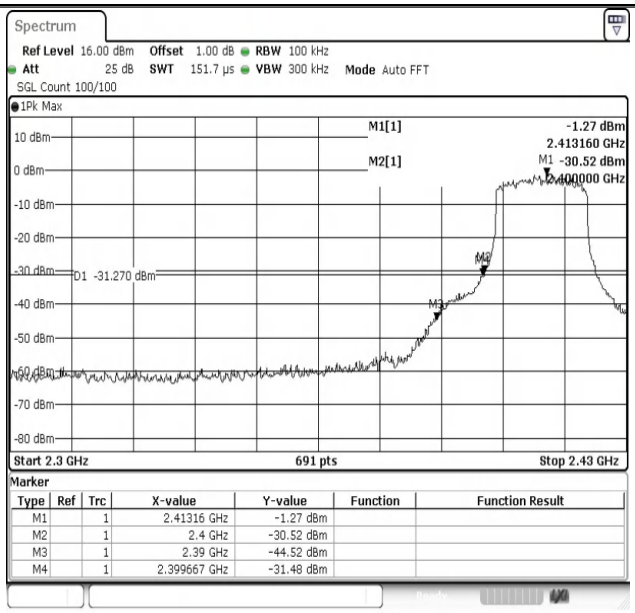
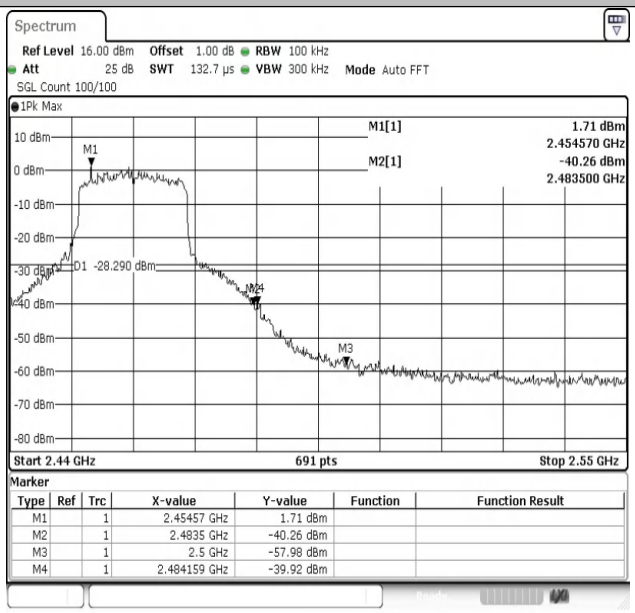
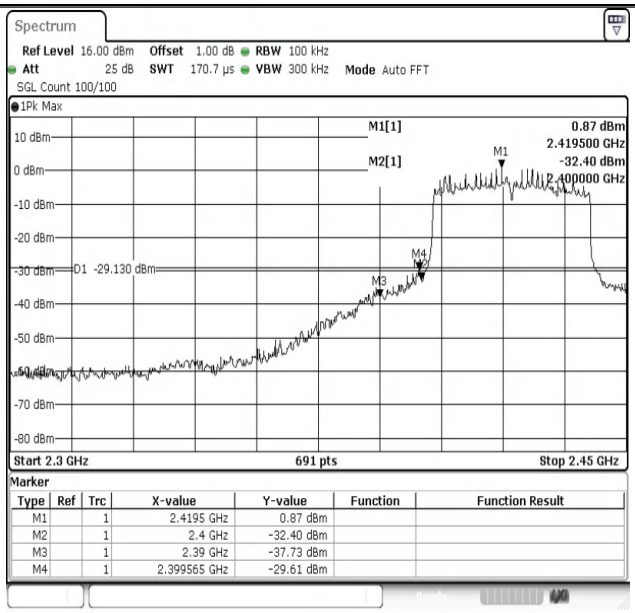


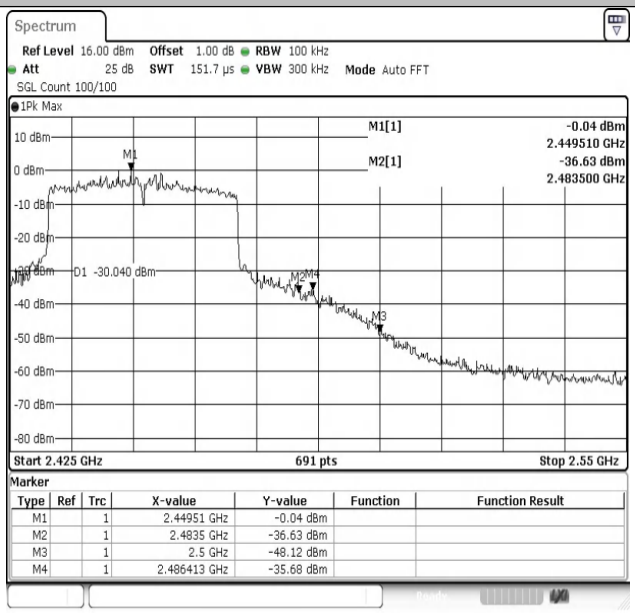
11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2462-PASS



11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2452-PASS

Appendix F: Conducted Spurious Emission

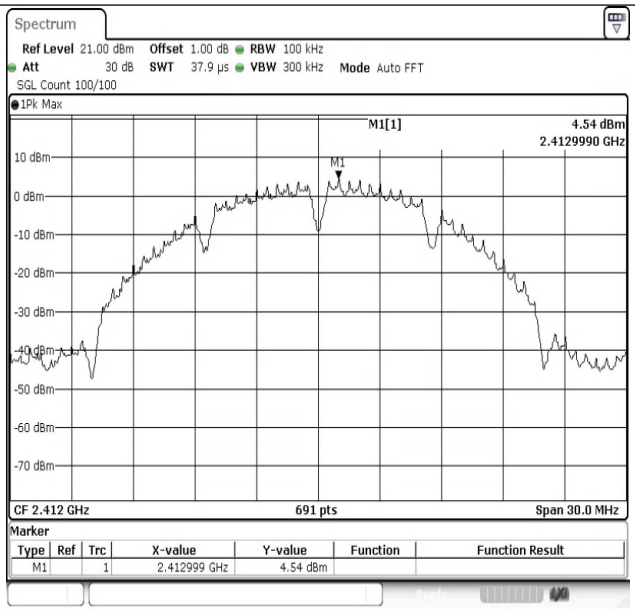
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.54	4.54	---	PASS
11B	Ant1	2412	30~1000	4.54	-64.2	≤-25.46	PASS
11B	Ant1	2412	1000~26500	4.54	-47.19	≤-25.46	PASS
11B	Ant1	2437	0~Reference	4.70	4.70	---	PASS
11B	Ant1	2437	30~1000	4.70	-65.61	≤-25.3	PASS
11B	Ant1	2437	1000~26500	4.70	-46.95	≤-25.3	PASS
11B	Ant1	2462	0~Reference	2.74	2.74	---	PASS
11B	Ant1	2462	30~1000	2.74	-65.58	≤-27.26	PASS
11B	Ant1	2462	1000~26500	2.74	-43.76	≤-27.26	PASS
11G	Ant1	2412	0~Reference	0.80	0.80	---	PASS
11G	Ant1	2412	30~1000	0.80	-69.05	≤-29.2	PASS
11G	Ant1	2412	1000~26500	0.80	-50.91	≤-29.2	PASS
11G	Ant1	2437	0~Reference	1.40	1.40	---	PASS
11G	Ant1	2437	30~1000	1.40	-68.83	≤-28.6	PASS
11G	Ant1	2437	1000~26500	1.40	-48.85	≤-28.6	PASS
11G	Ant1	2462	0~Reference	0.51	0.51	---	PASS
11G	Ant1	2462	30~1000	0.51	-69.2	≤-29.49	PASS
11G	Ant1	2462	1000~26500	0.51	-49.92	≤-29.49	PASS
11N20SISO	Ant1	2412	0~Reference	1.55	1.55	---	PASS
11N20SISO	Ant1	2412	30~1000	1.55	-68.93	≤-28.45	PASS
11N20SISO	Ant1	2412	1000~26500	1.55	-51.6	≤-28.45	PASS
11N20SISO	Ant1	2437	0~Reference	2.03	2.03	---	PASS
11N20SISO	Ant1	2437	30~1000	2.03	-69.05	≤-27.97	PASS
11N20SISO	Ant1	2437	1000~26500	2.03	-50.69	≤-27.97	PASS
11N20SISO	Ant1	2462	0~Reference	0.47	0.47	---	PASS
11N20SISO	Ant1	2462	30~1000	0.47	-69.14	≤-29.53	PASS
11N20SISO	Ant1	2462	1000~26500	0.47	-49.12	≤-29.53	PASS
11N40SISO	Ant1	2422	0~Reference	0.09	0.09	---	PASS
11N40SISO	Ant1	2422	30~1000	0.09	-69.63	≤-29.91	PASS
11N40SISO	Ant1	2422	1000~26500	0.09	-51.86	≤-29.91	PASS
11N40SISO	Ant1	2437	0~Reference	1.45	1.45	---	PASS
11N40SISO	Ant1	2437	30~1000	1.45	-68.88	≤-28.55	PASS
11N40SISO	Ant1	2437	1000~26500	1.45	-49.98	≤-28.55	PASS
11N40SISO	Ant1	2452	0~Reference	0.93	0.93	---	PASS
11N40SISO	Ant1	2452	30~1000	0.93	-68.51	≤-29.07	PASS
11N40SISO	Ant1	2452	1000~26500	0.93	-52.27	≤-29.07	PASS
11AX20SISO	Ant1	2412	0~Reference	3.10	3.10	---	PASS

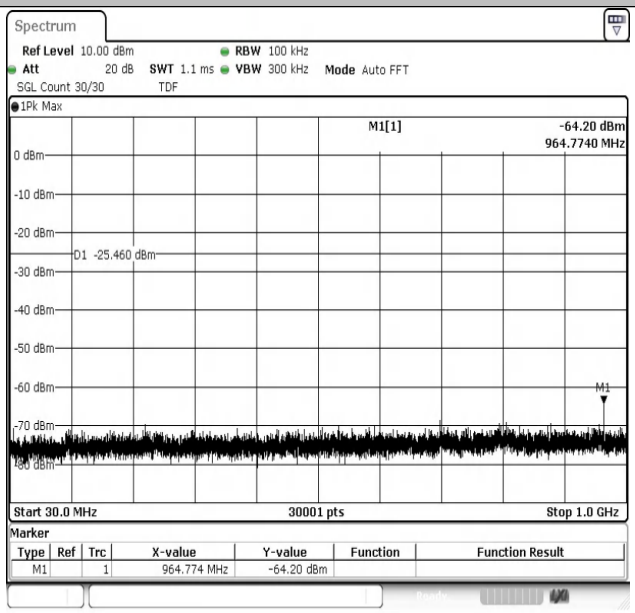
11AX20SISO	Ant1	2412	30~1000	3.10	-69.19	≤-26.9	PASS
11AX20SISO	Ant1	2412	1000~26500	3.10	-50.32	≤-26.9	PASS
11AX20SISO	Ant1	2437	0~Reference	1.82	1.82	---	PASS
11AX20SISO	Ant1	2437	30~1000	1.82	-68.64	≤-28.18	PASS
11AX20SISO	Ant1	2437	1000~26500	1.82	-50.98	≤-28.18	PASS
11AX20SISO	Ant1	2462	0~Reference	3.46	3.46	---	PASS
11AX20SISO	Ant1	2462	30~1000	3.46	-68.82	≤-26.54	PASS
11AX20SISO	Ant1	2462	1000~26500	3.46	-49.58	≤-26.54	PASS
11AX40SISO	Ant1	2422	0~Reference	-0.06	-0.06	---	PASS
11AX40SISO	Ant1	2422	30~1000	-0.06	-68.83	≤-30.06	PASS
11AX40SISO	Ant1	2422	1000~26500	-0.06	-50.51	≤-30.06	PASS
11AX40SISO	Ant1	2437	0~Reference	1.13	1.13	---	PASS
11AX40SISO	Ant1	2437	30~1000	1.13	-69	≤-28.87	PASS
11AX40SISO	Ant1	2437	1000~26500	1.13	-47.67	≤-28.87	PASS
11AX40SISO	Ant1	2452	0~Reference	-0.79	-0.79	---	PASS
11AX40SISO	Ant1	2452	30~1000	-0.79	-69.12	≤-30.79	PASS
11AX40SISO	Ant1	2452	1000~26500	-0.79	-48.22	≤-30.79	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'TDF' of the Spectrum Analyzer during the test.

Test Graphs



11B-Ant1-2412-0~Reference-PASS



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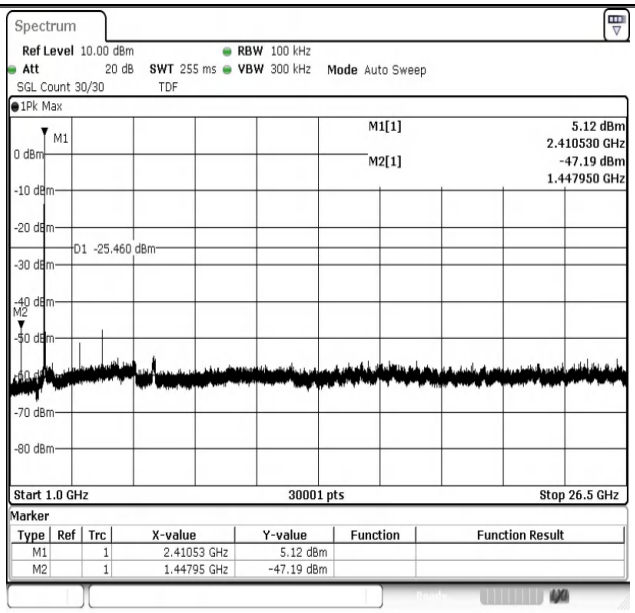

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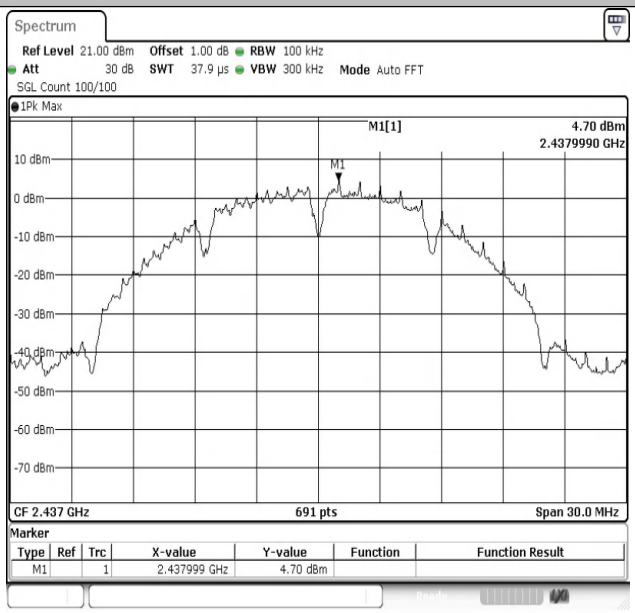

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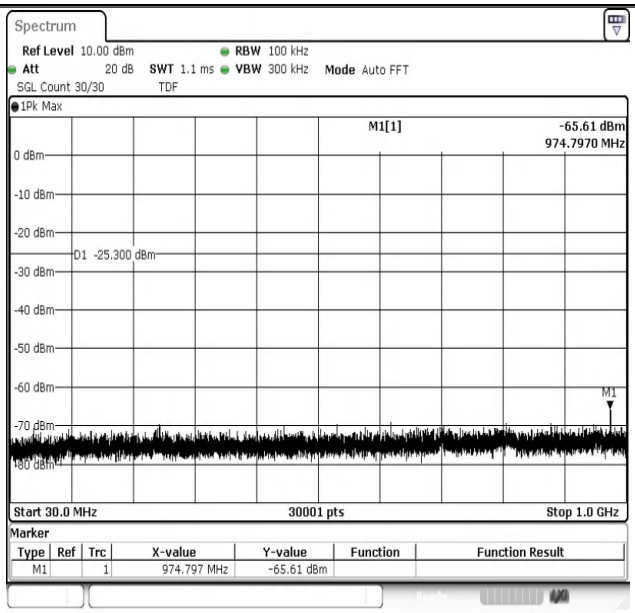

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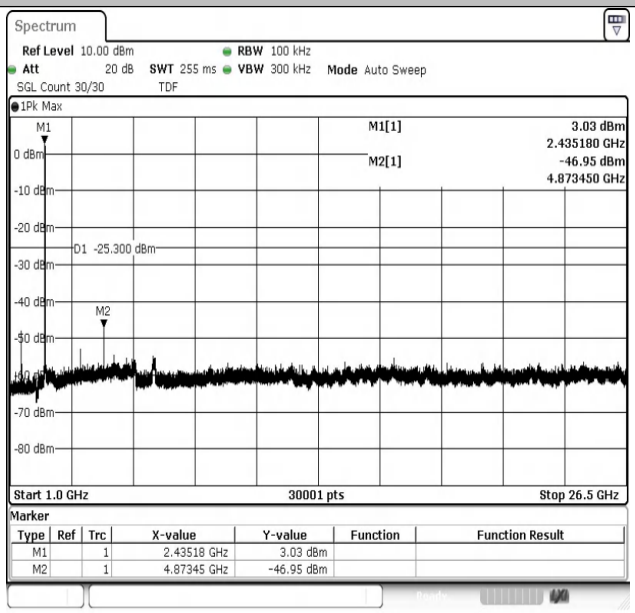

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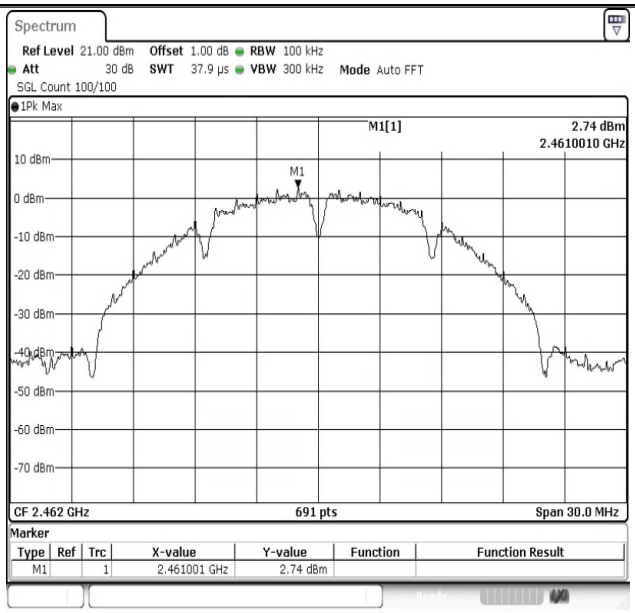

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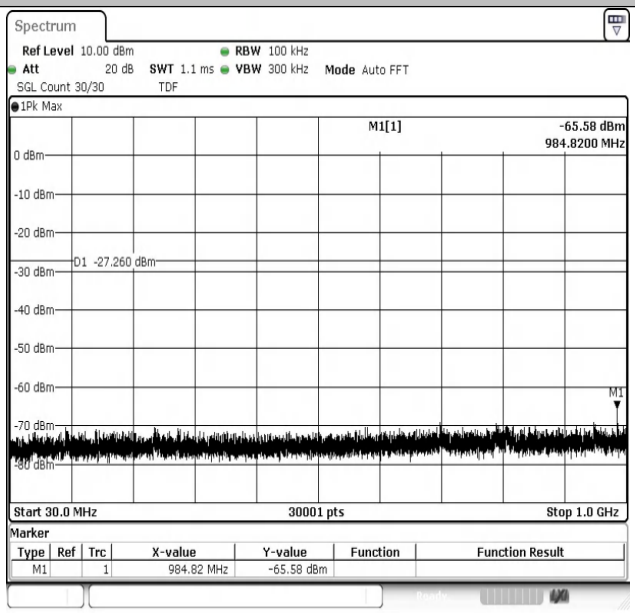

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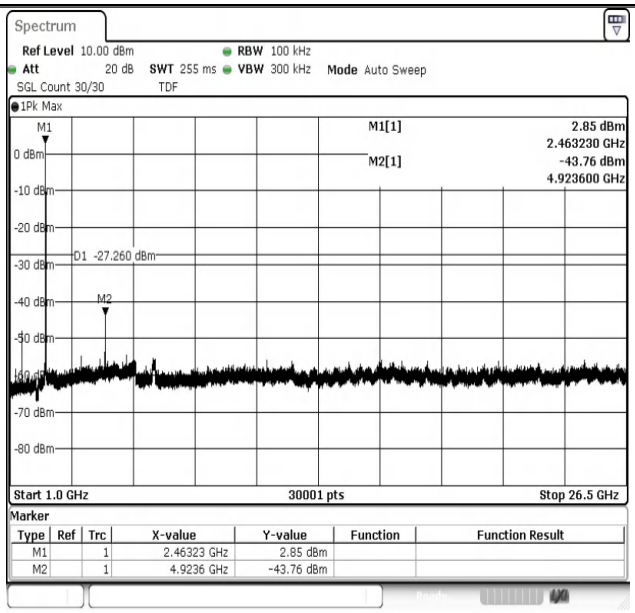

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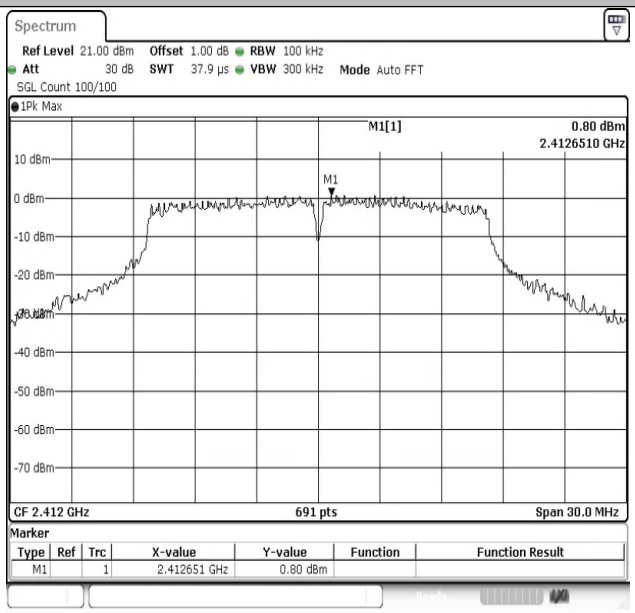

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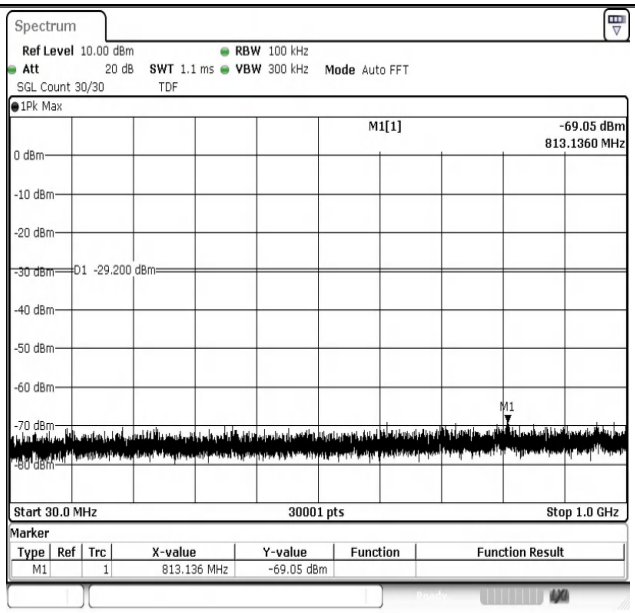

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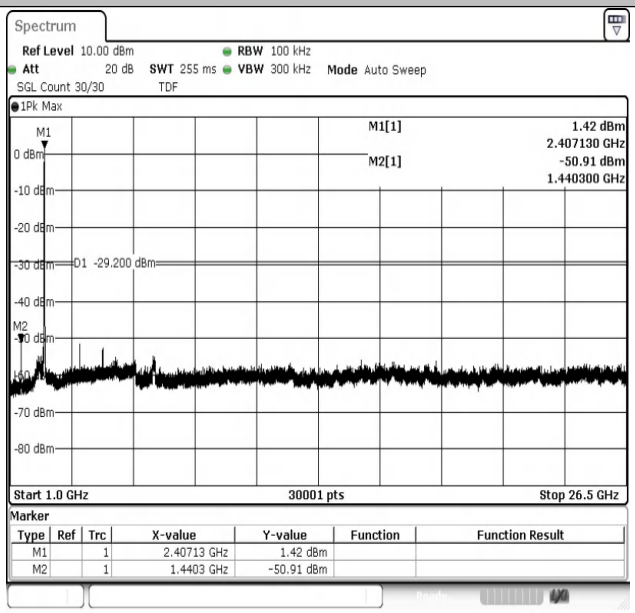

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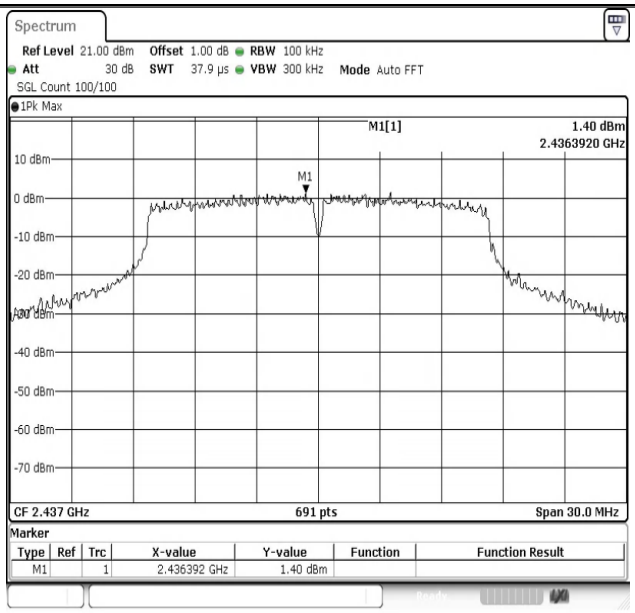

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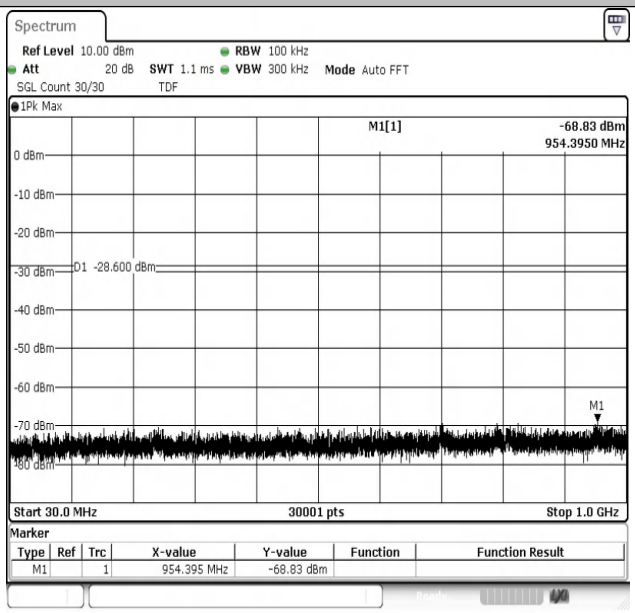

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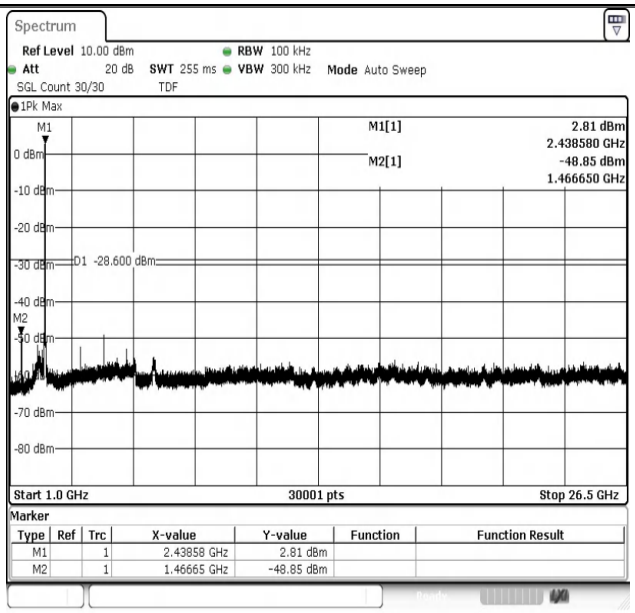

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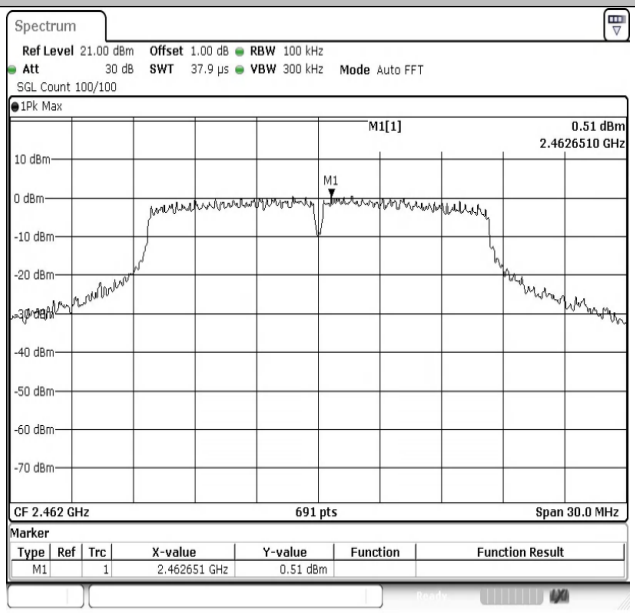

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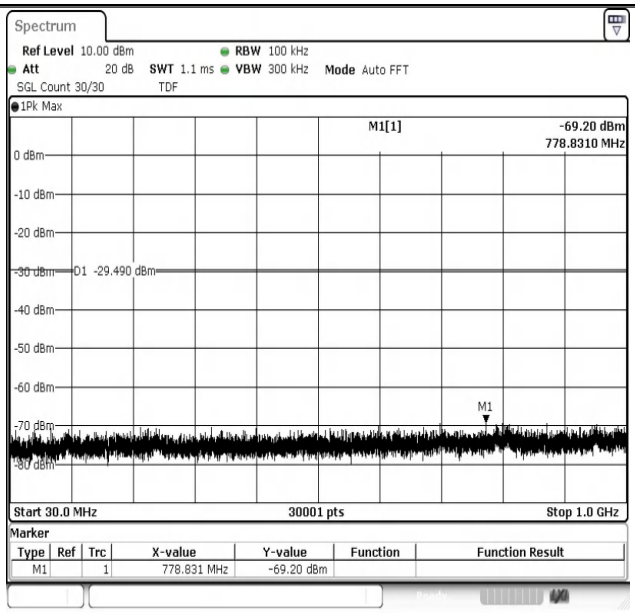

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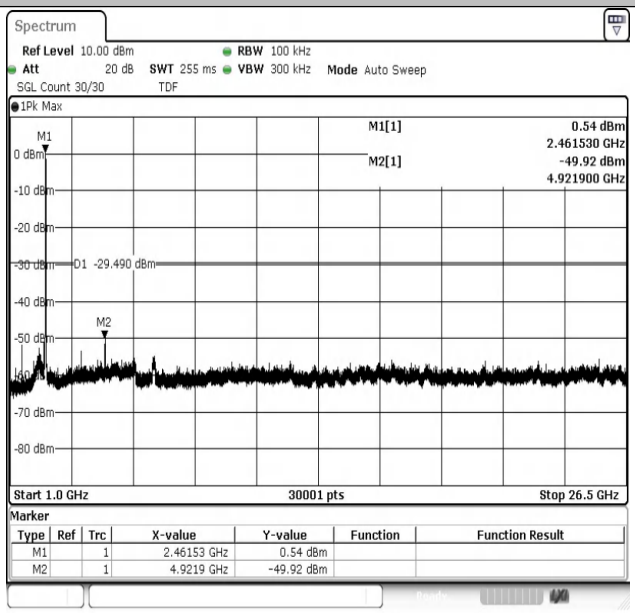

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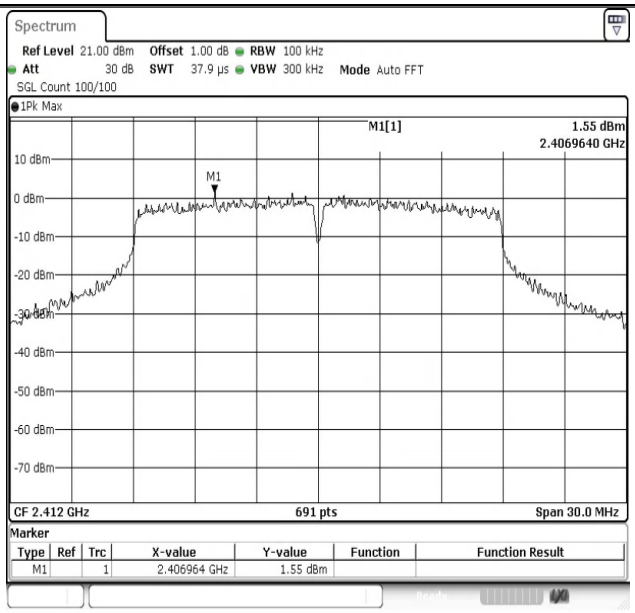

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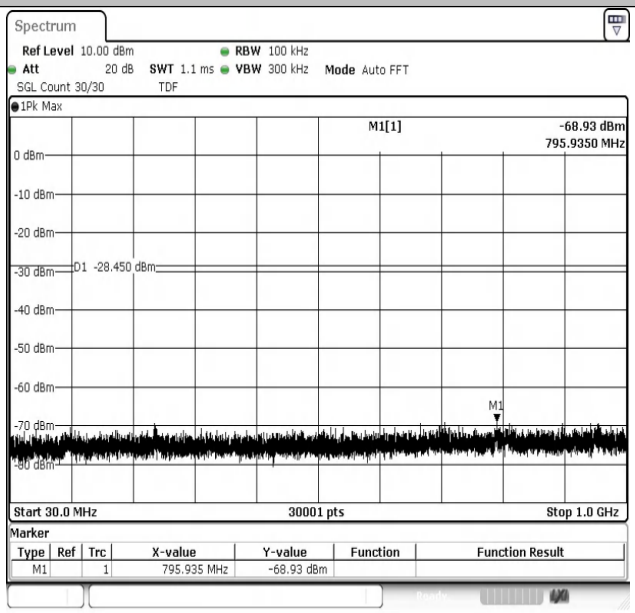

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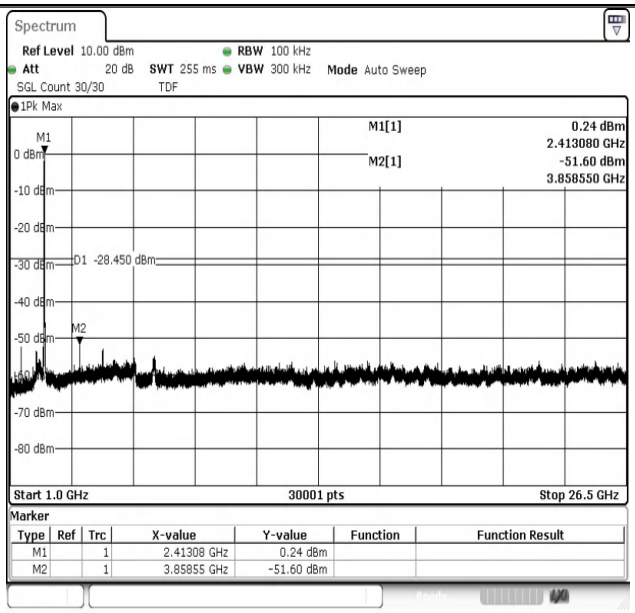

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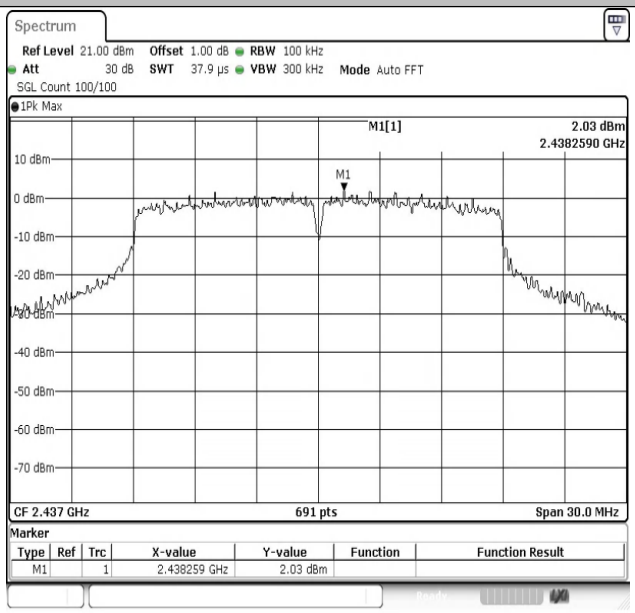

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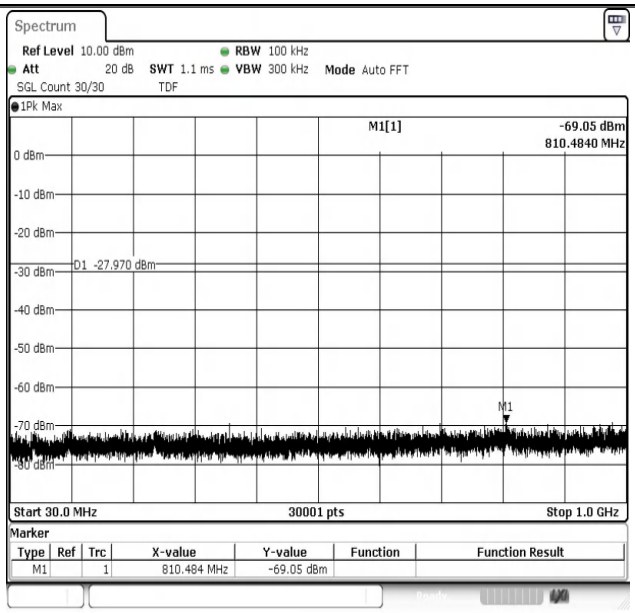

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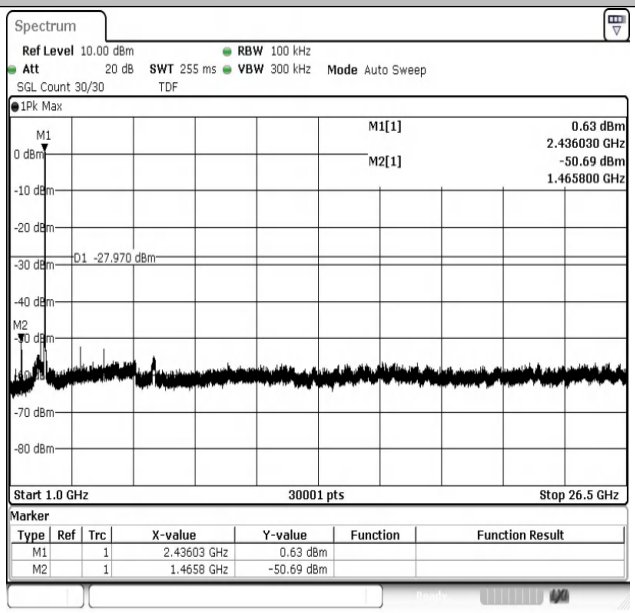

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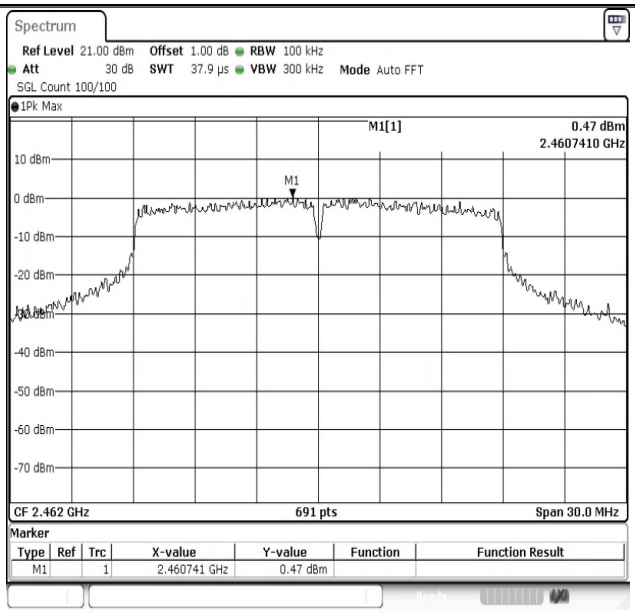

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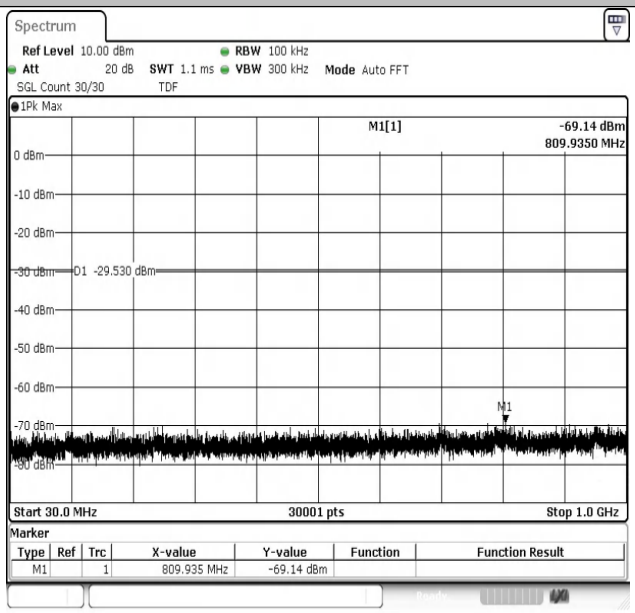

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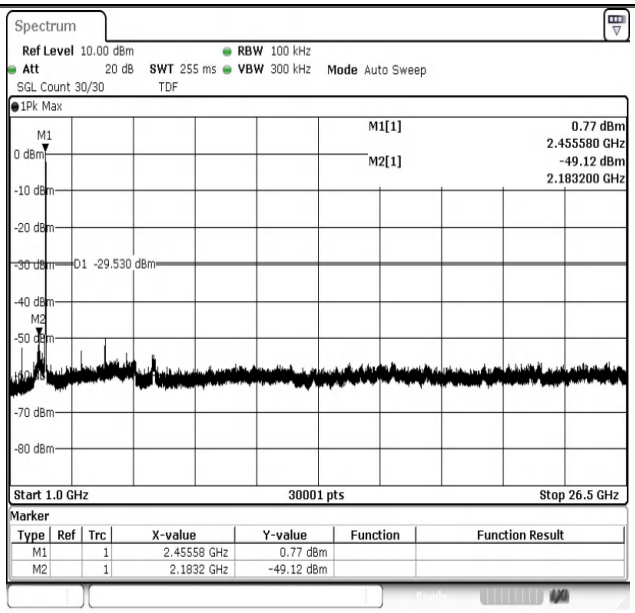

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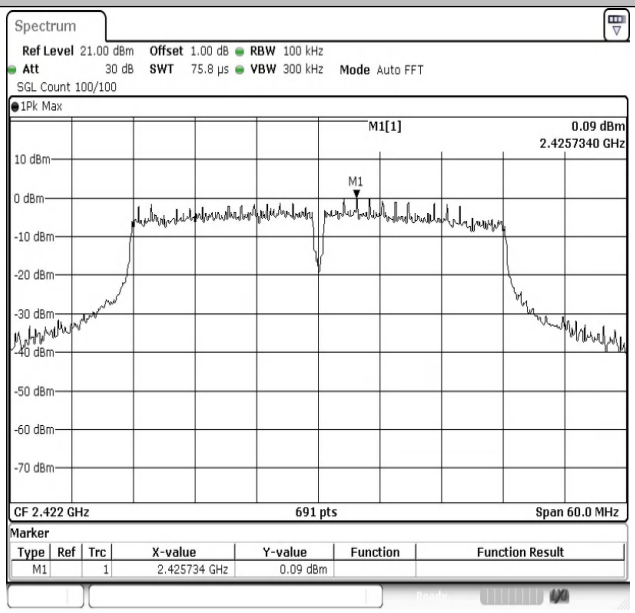

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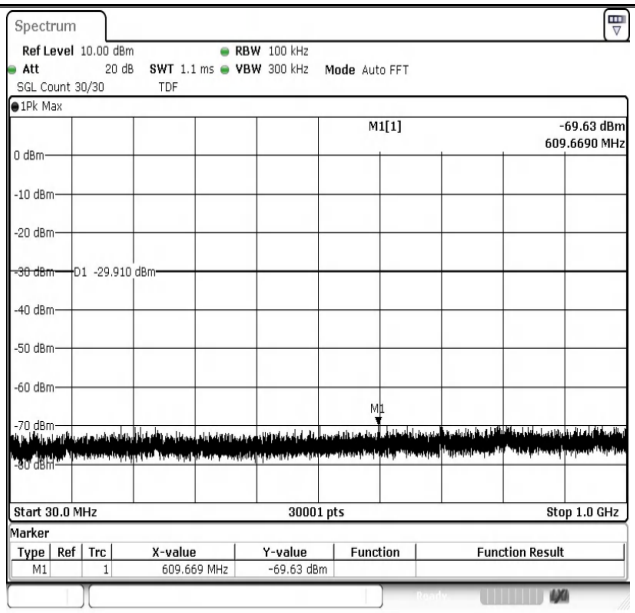

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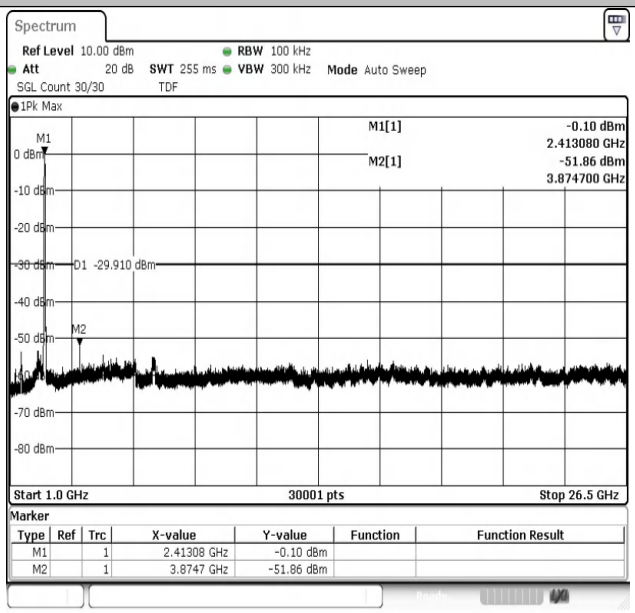

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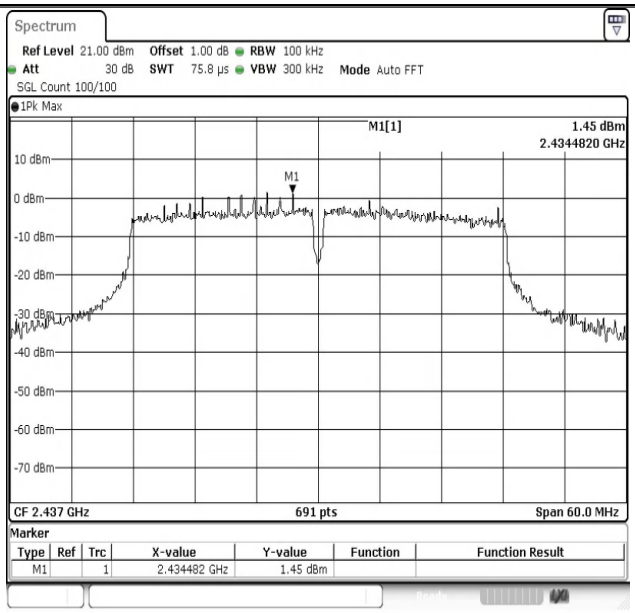

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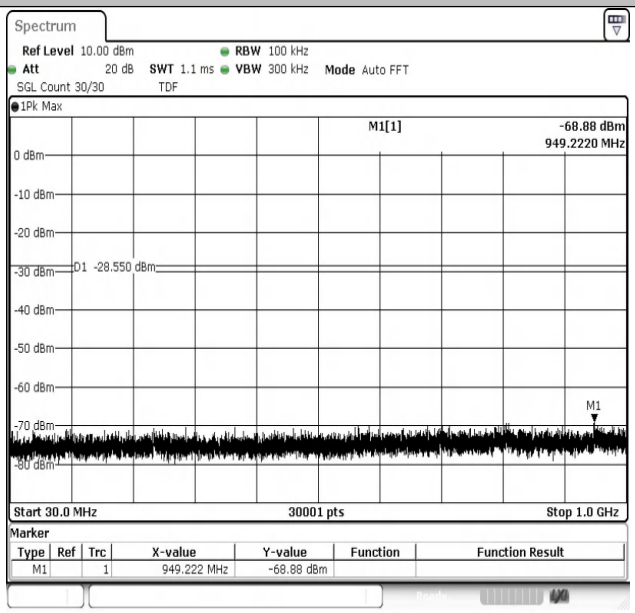

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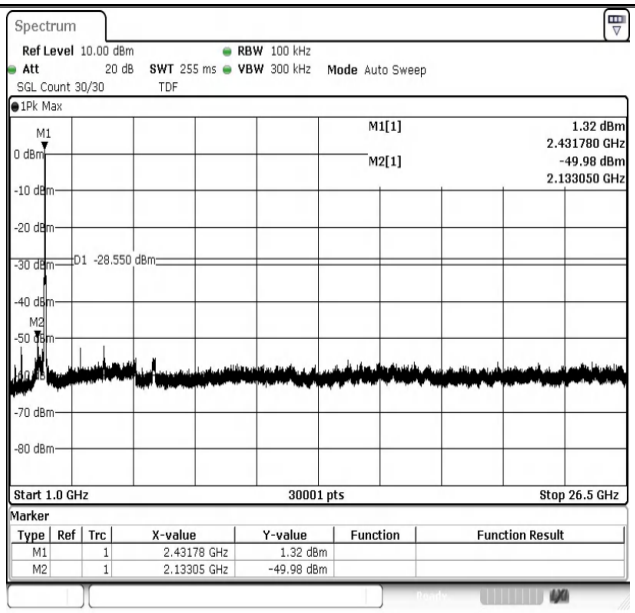

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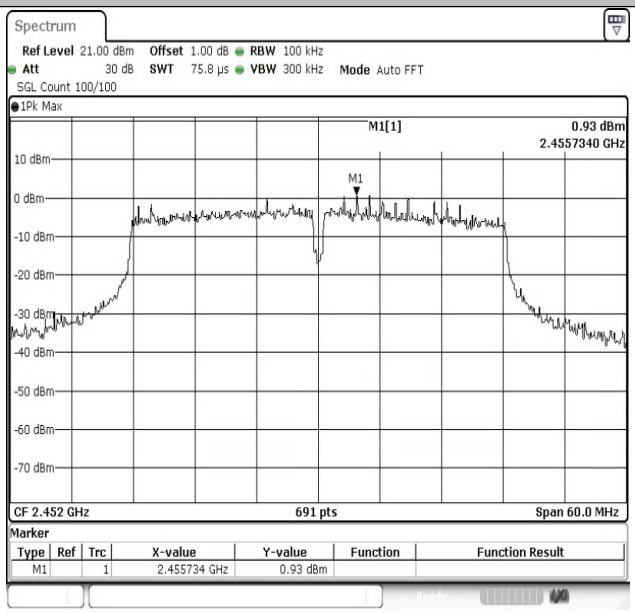

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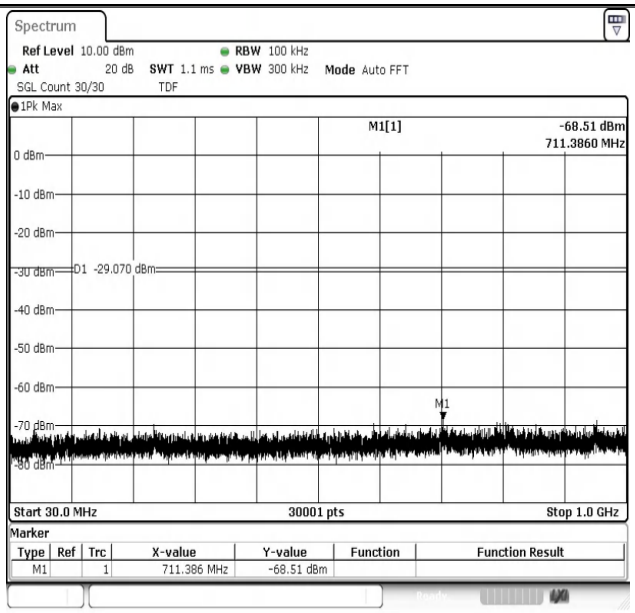

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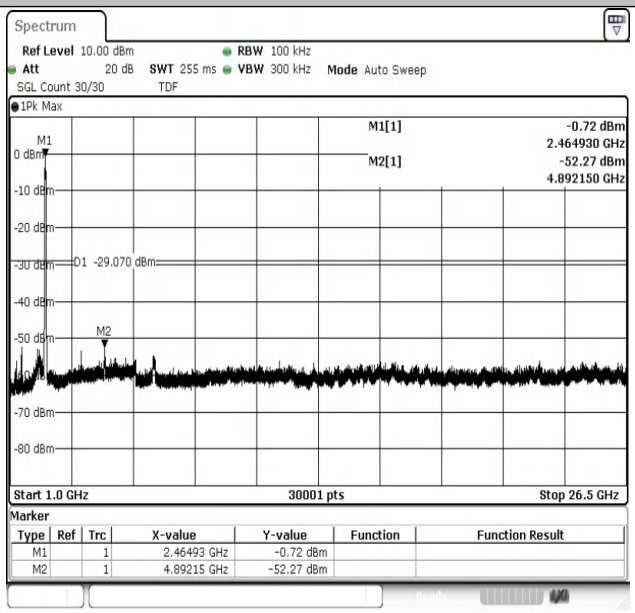
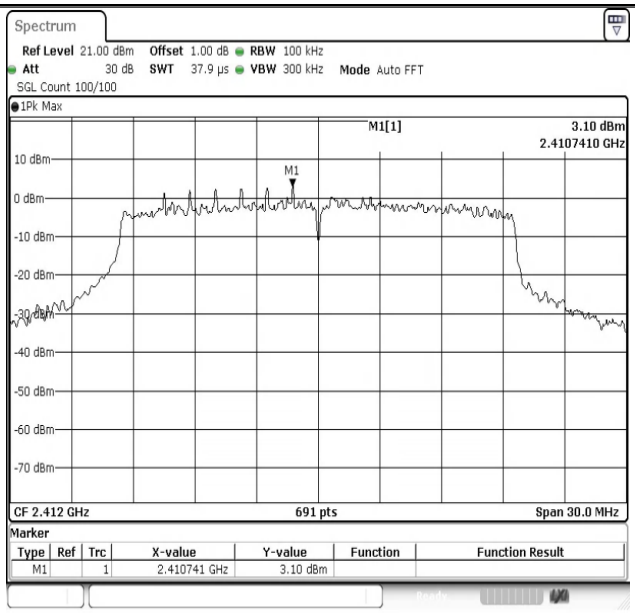


11N40SISO-Ant1-2452-1000~26500-PASS



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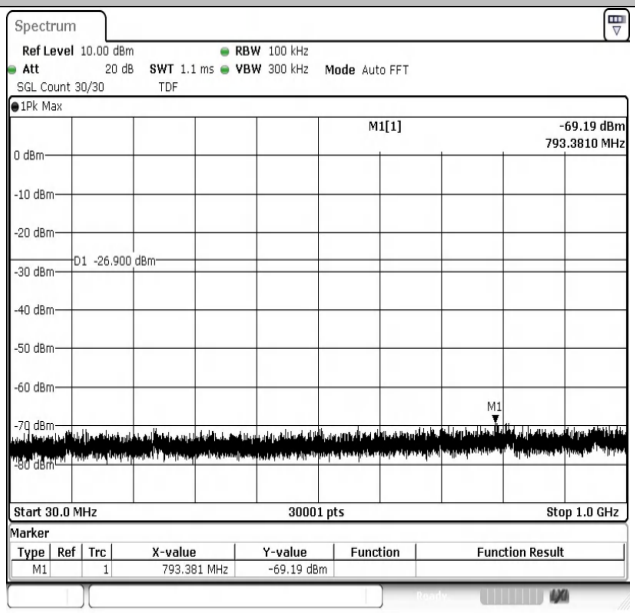

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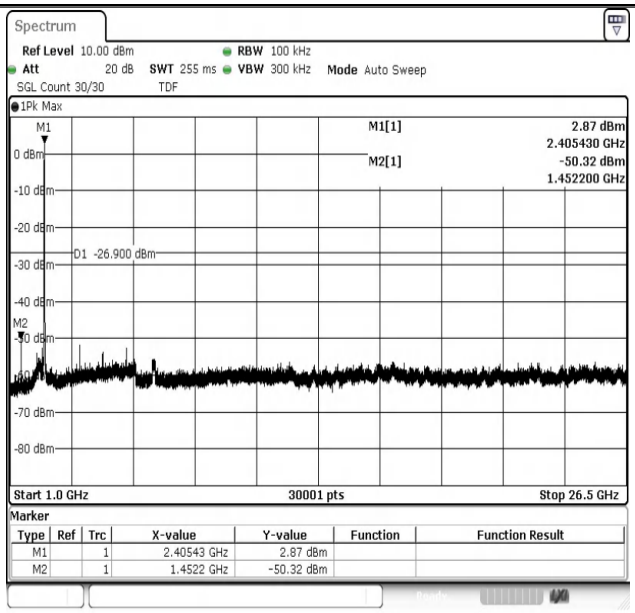

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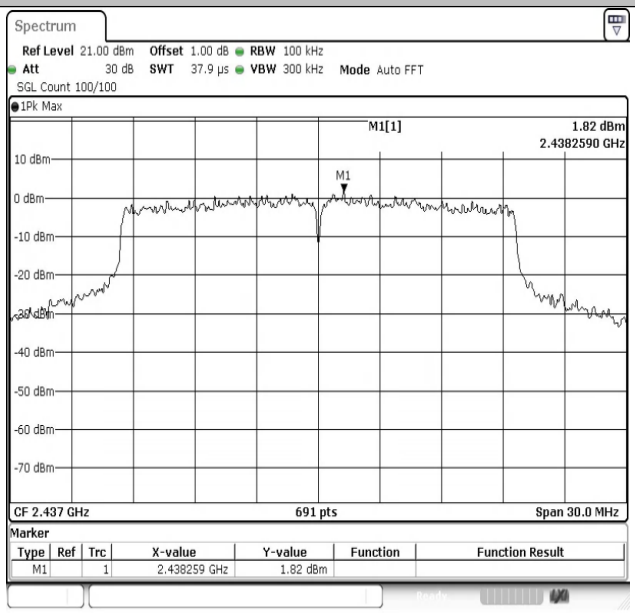

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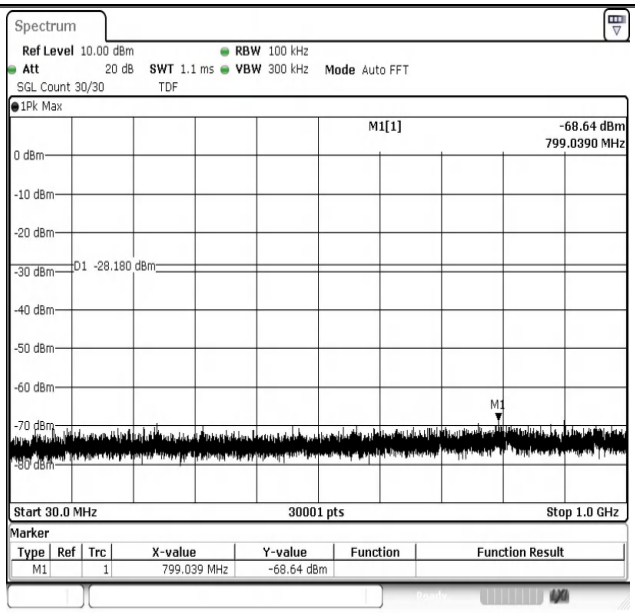

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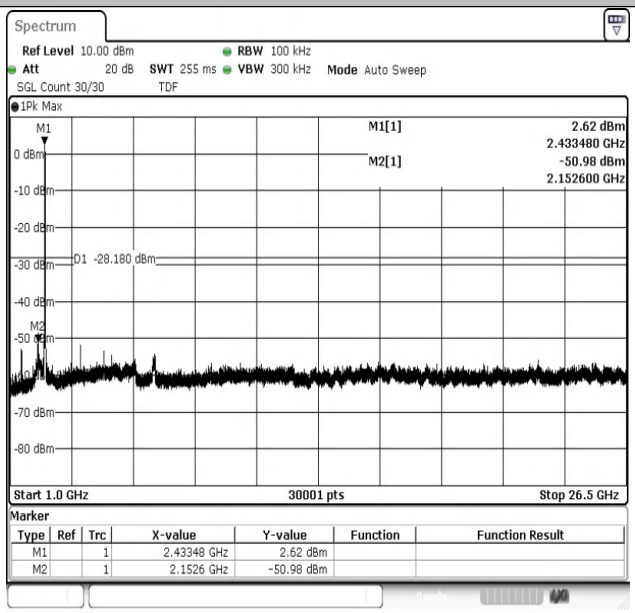

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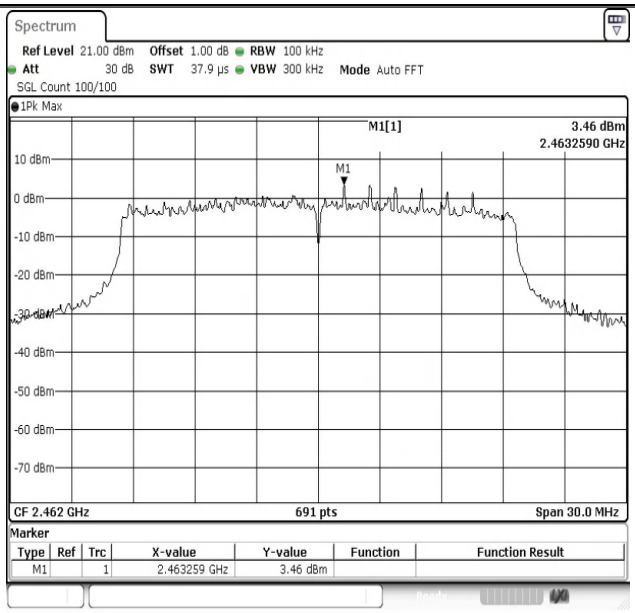

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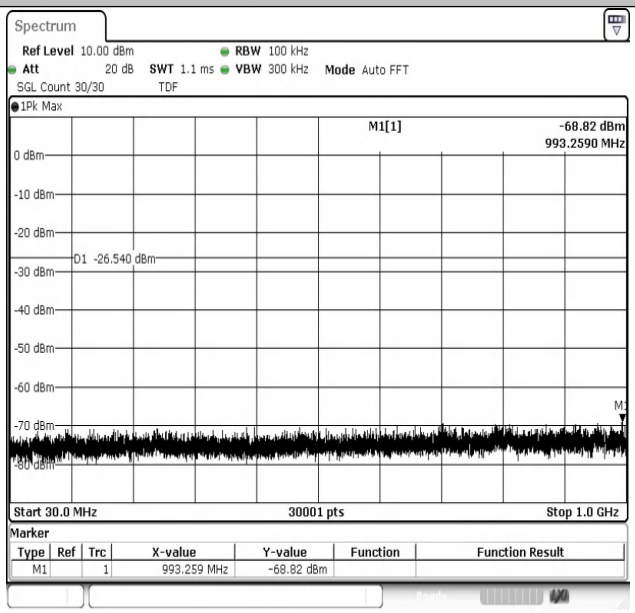

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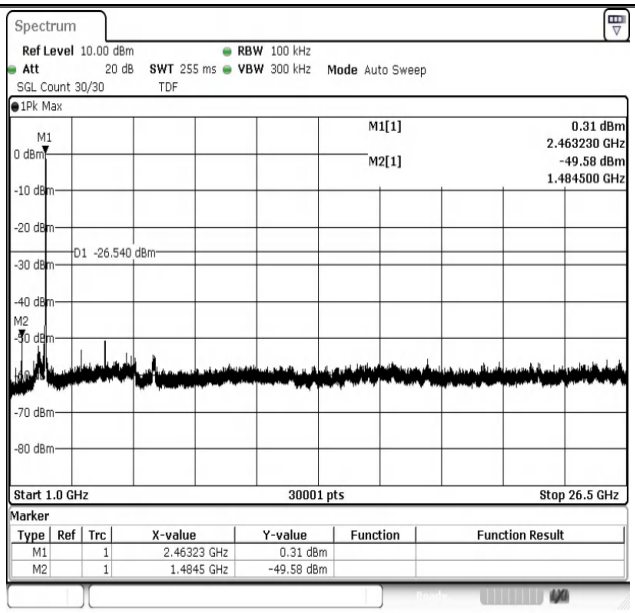

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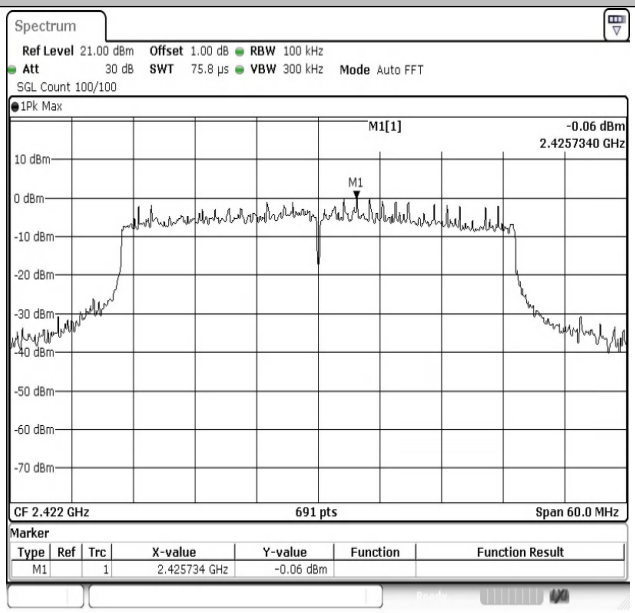

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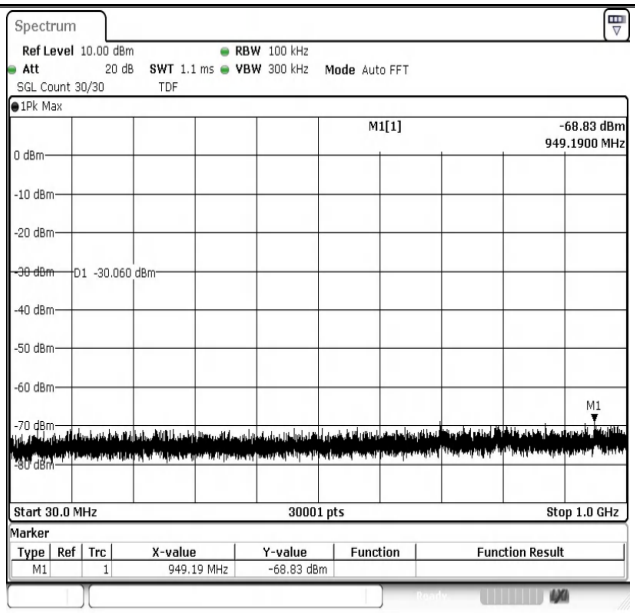

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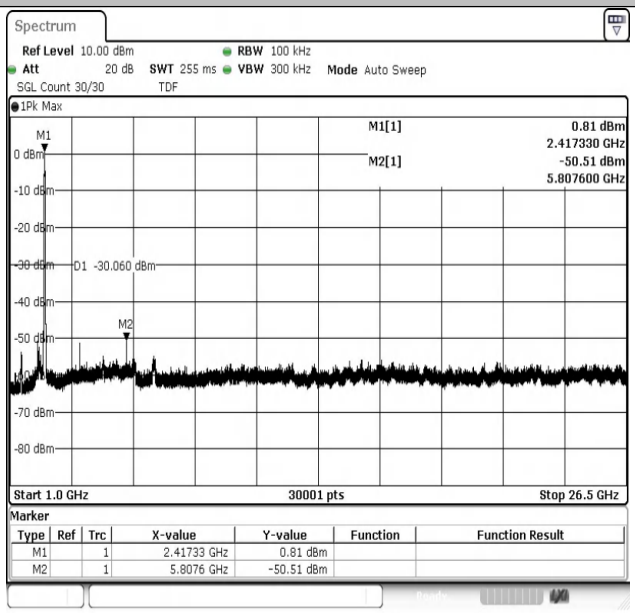

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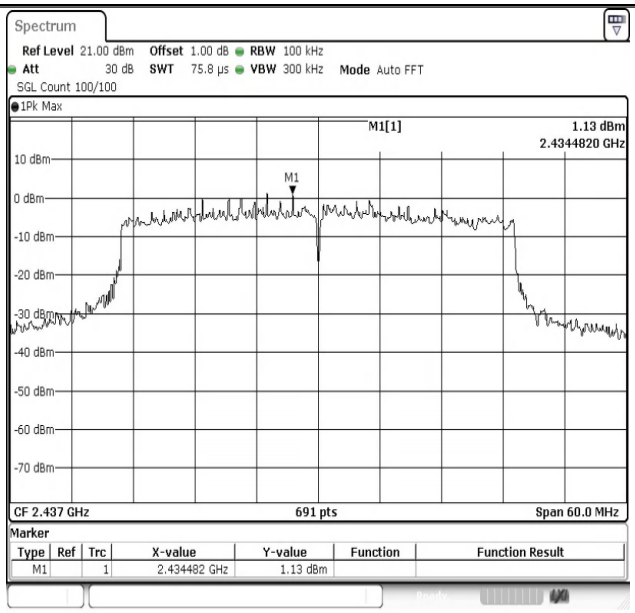

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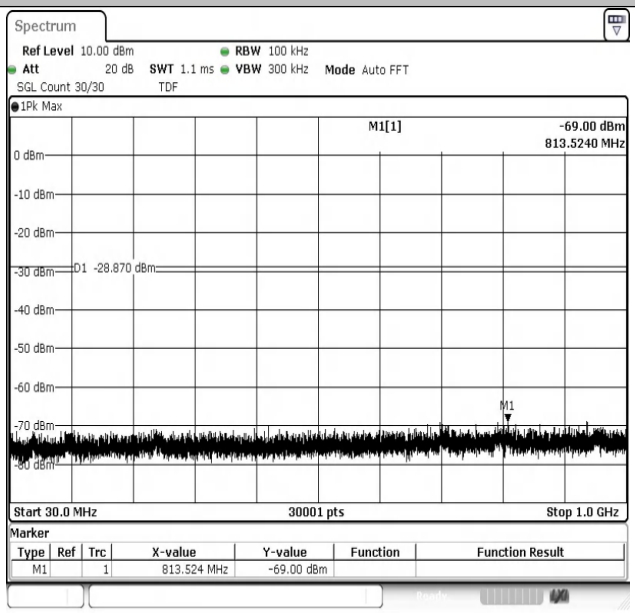

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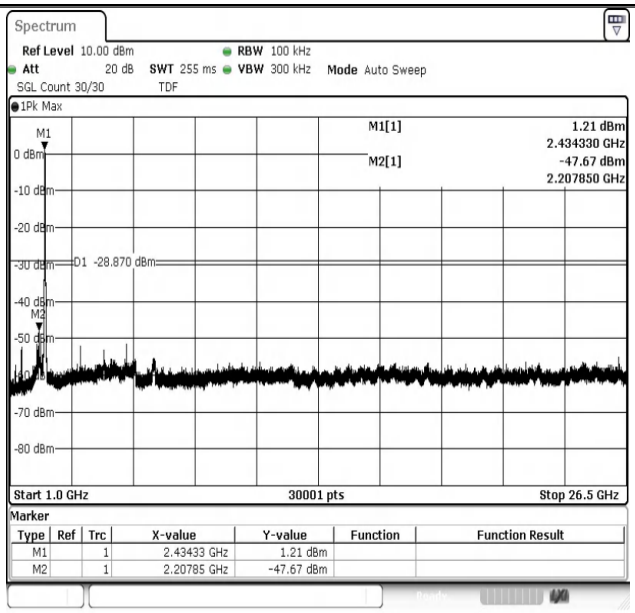

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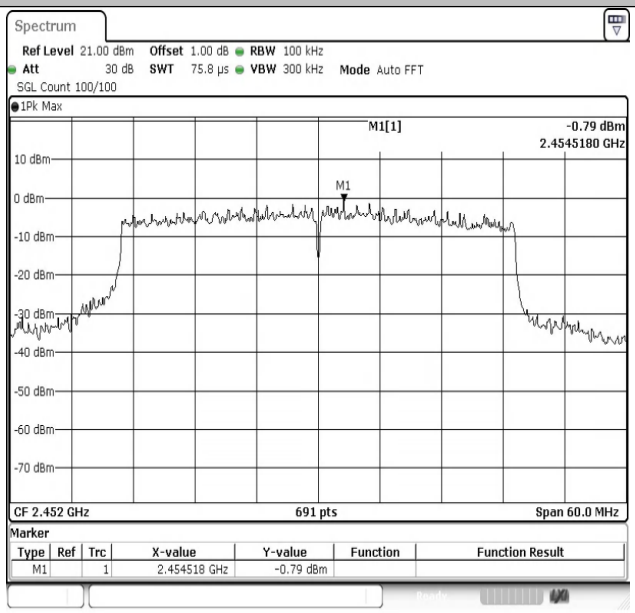

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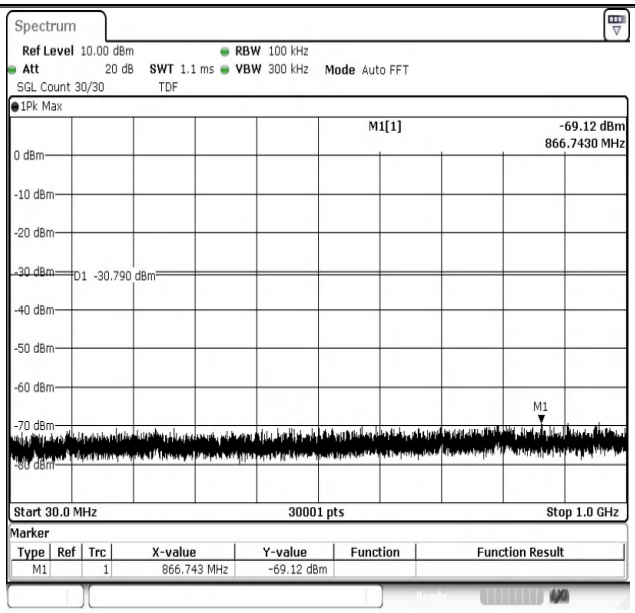

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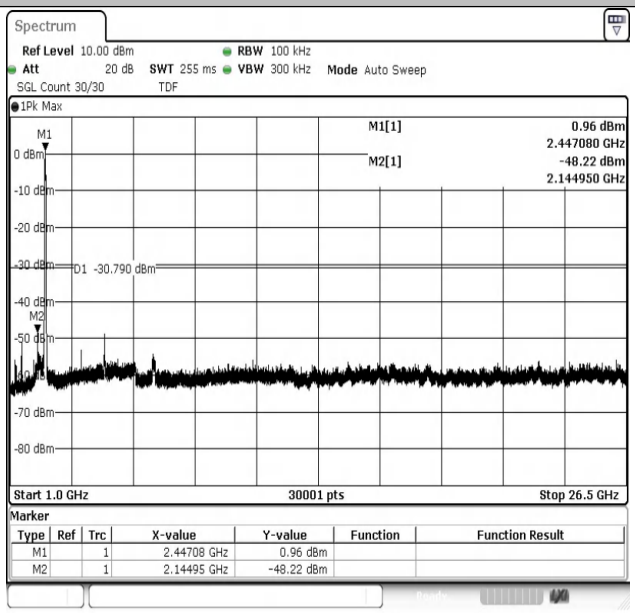


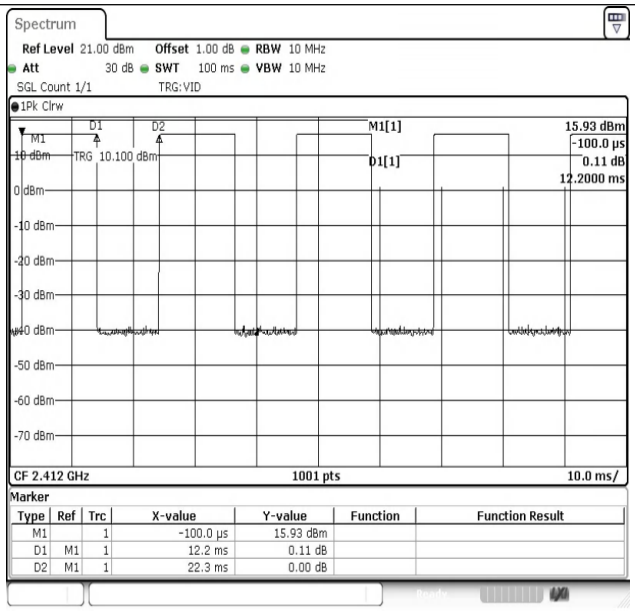
11AX40SISO-Ant1-2452-1000~26500-PASS

Appendix G: Duty Cycle

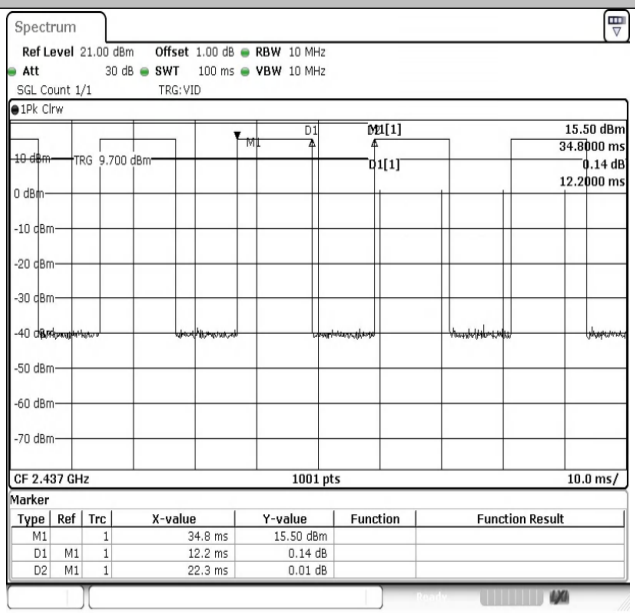
Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	12.20	22.30	54.71	2.62
11B	Ant1	2437	12.20	22.30	54.71	2.62
11B	Ant1	2462	12.20	22.20	54.95	2.60
11G	Ant1	2412	2.00	2.60	76.92	1.14
11G	Ant1	2437	2.00	2.30	86.96	0.61
11G	Ant1	2462	2.05	2.25	91.11	0.40
11N20SISO	Ant1	2412	1.90	2.15	88.37	0.54
11N20SISO	Ant1	2437	1.85	2.20	84.09	0.75
11N20SISO	Ant1	2462	1.85	2.20	84.09	0.75
11N40SISO	Ant1	2422	0.90	1.45	62.07	2.07
11N40SISO	Ant1	2437	0.95	1.40	67.86	1.68
11N40SISO	Ant1	2452	0.95	1.35	70.37	1.53
11AX20SISO	Ant1	2412	1.50	2.45	61.22	2.13
11AX20SISO	Ant1	2437	1.45	1.95	74.36	1.29
11AX20SISO	Ant1	2462	1.45	1.70	85.29	0.69
11AX40SISO	Ant1	2422	0.75	1.25	60.00	2.22
11AX40SISO	Ant1	2437	0.75	1.35	55.56	2.55
11AX40SISO	Ant1	2452	10.75	12.70	84.65	0.72

Test Graphs



NTNV-11B-Ant1-2412



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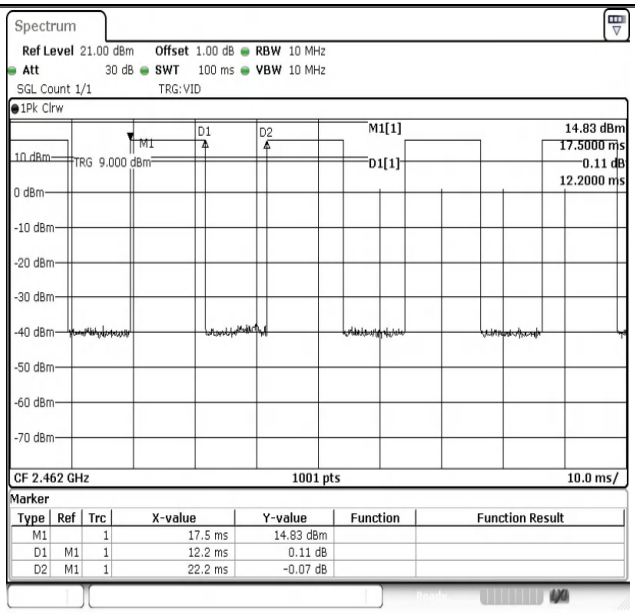

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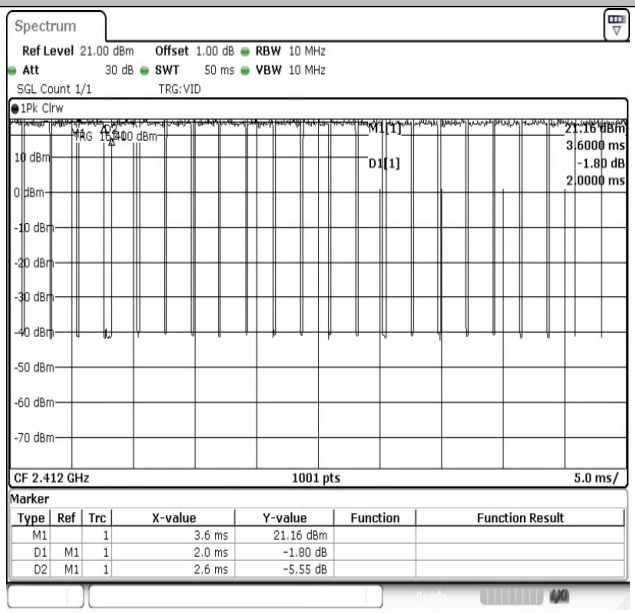

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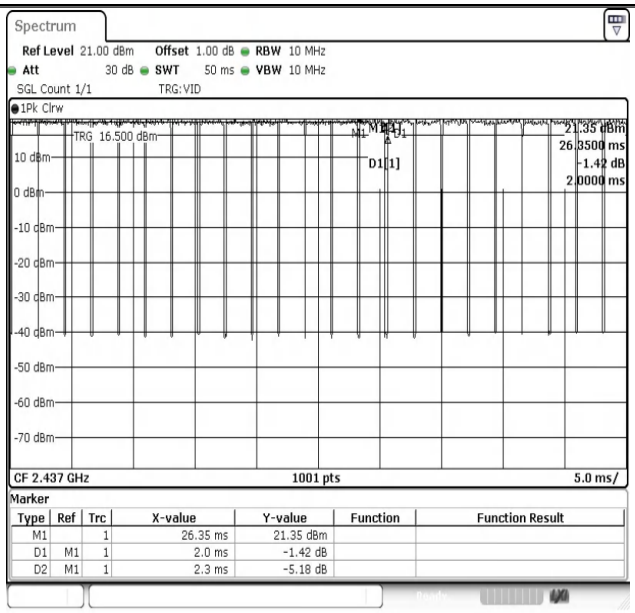

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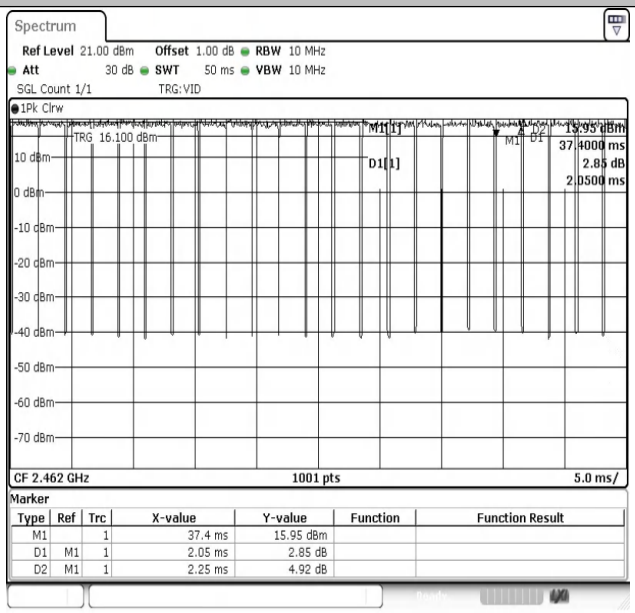

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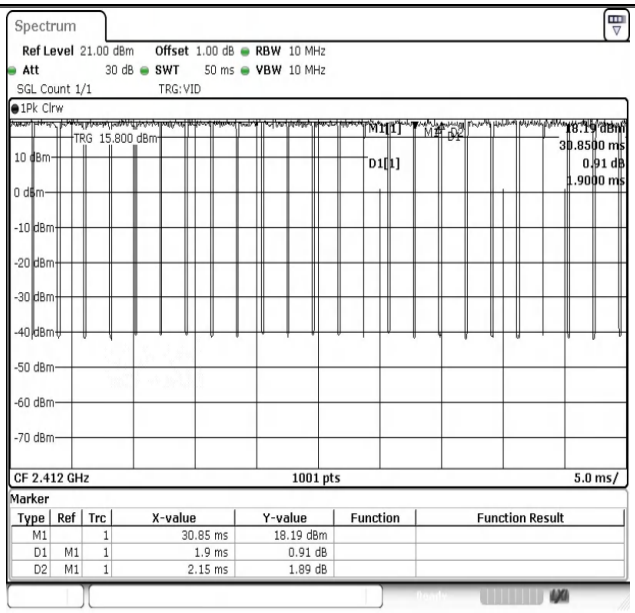
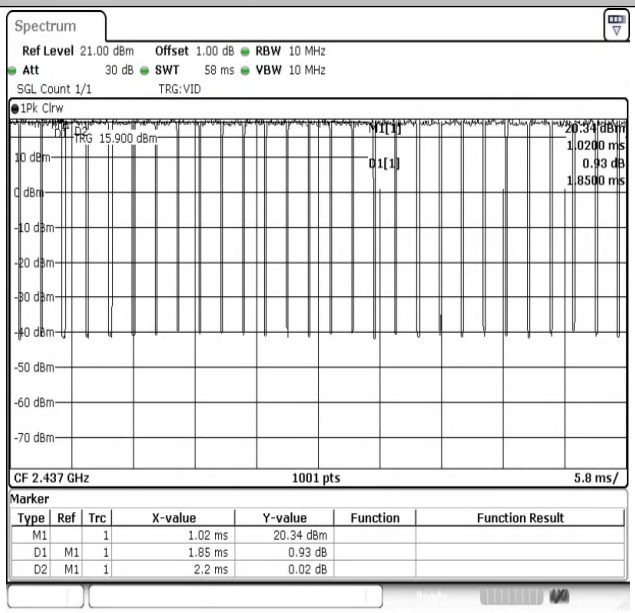


NTNV-11N20SISO-Ant1-2412



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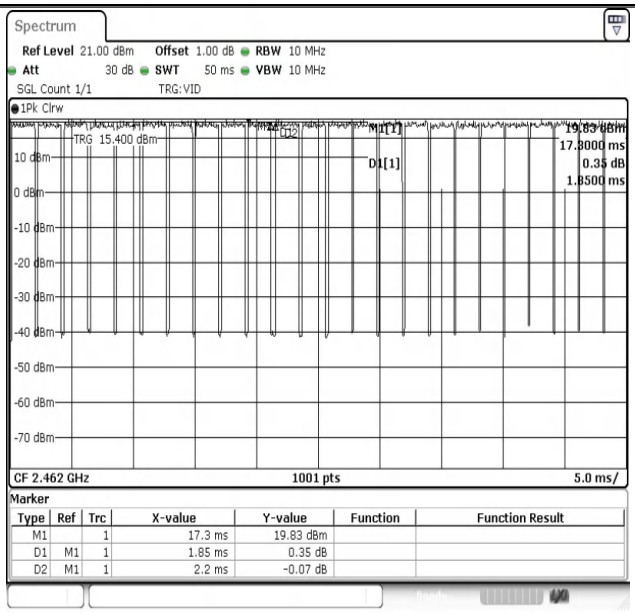

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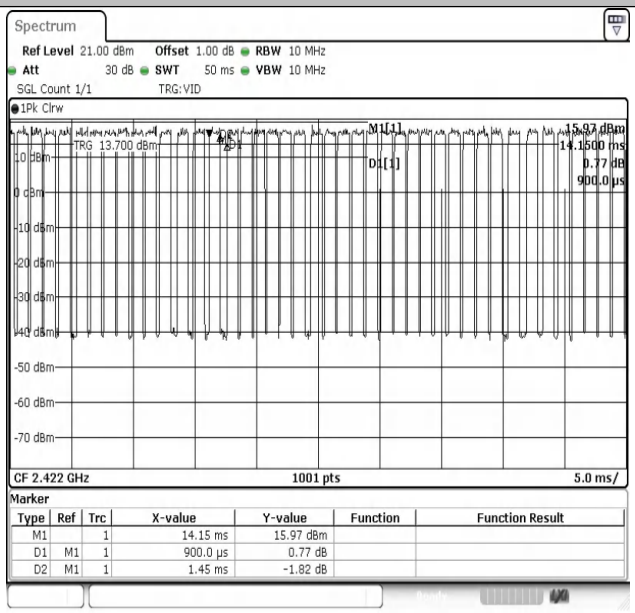

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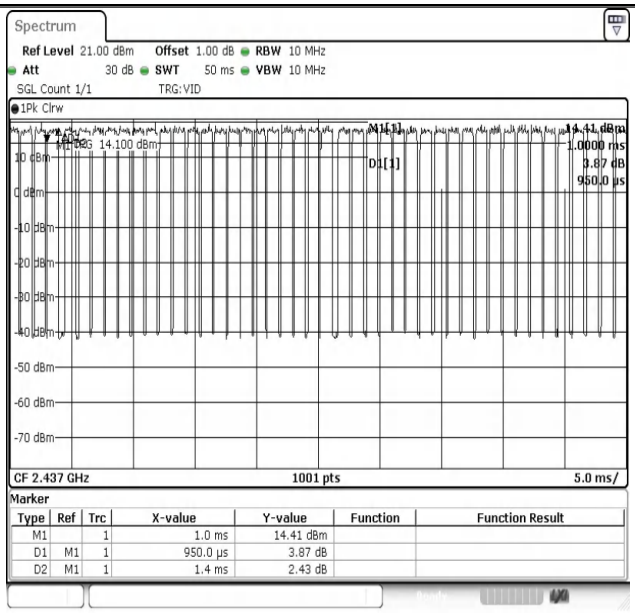

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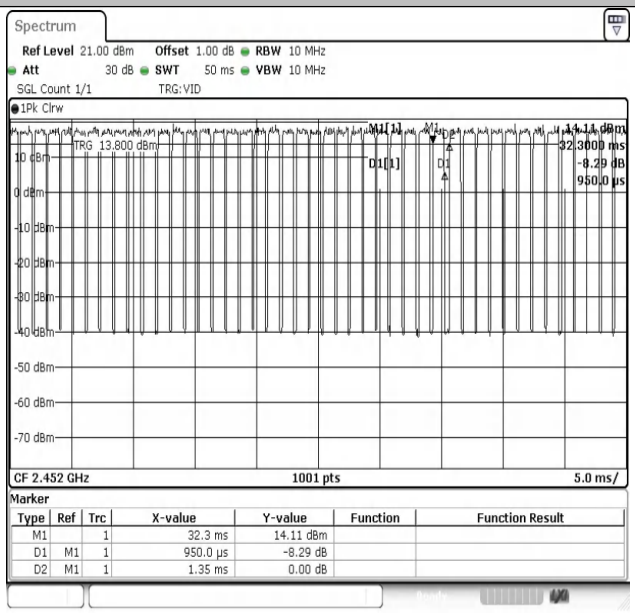

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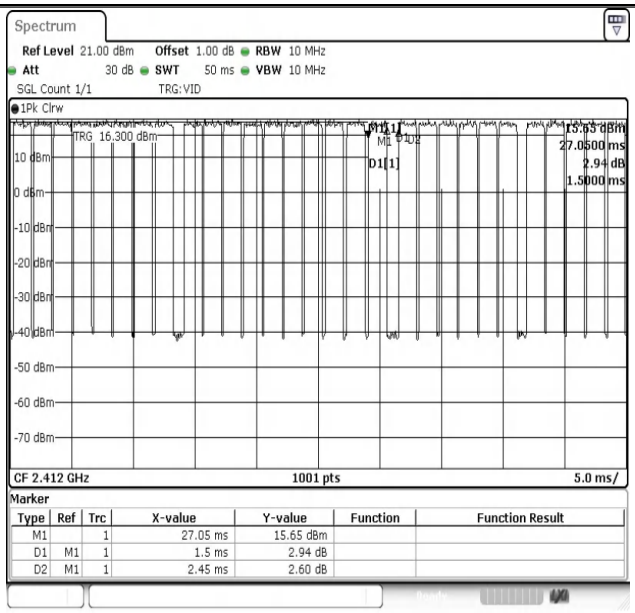

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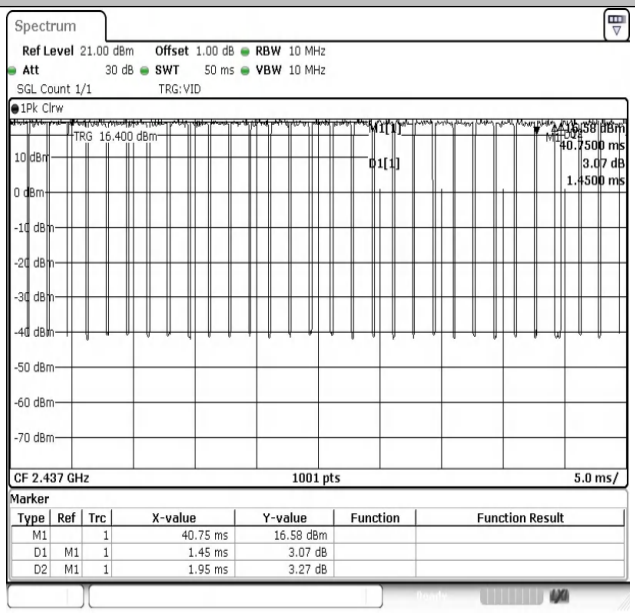

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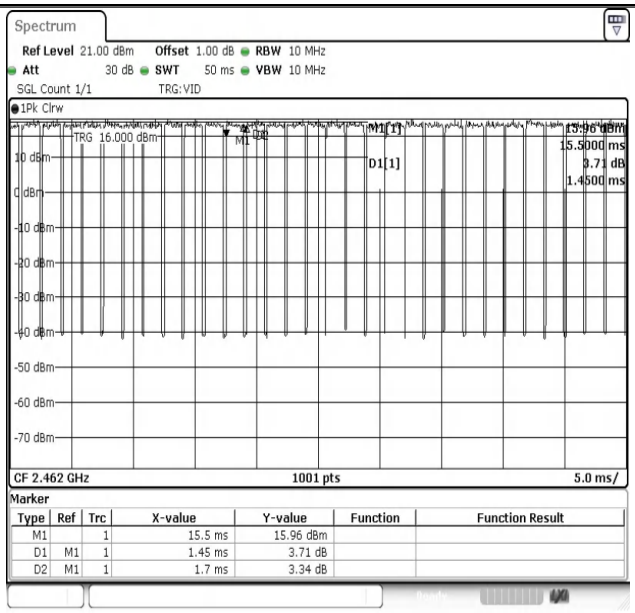

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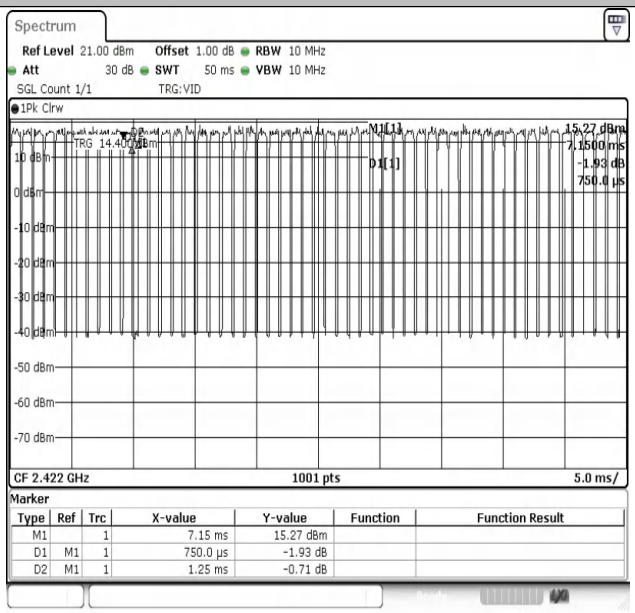

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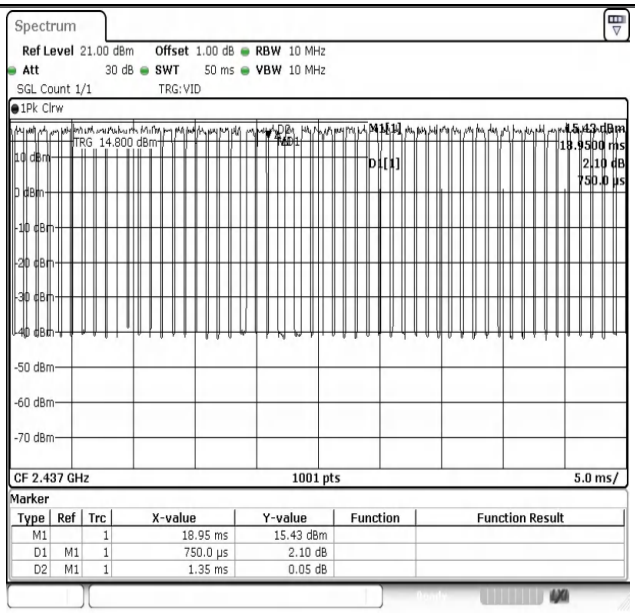

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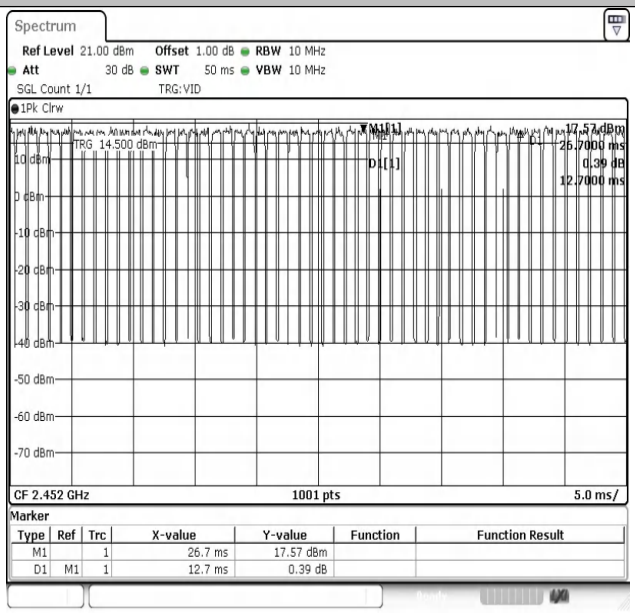

NTNV-11AX40SISO-Ant1-2452

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