

## Appendix Test Data

Report No.:	1812C50322812503	Test Sample No.:	1-2-2
Start Test Date:	2025-6-30	Finish Test Date:	2025-7-8
Test Engineer:	Huisen Guan	Auditor:	Justin Feng
Temperature:	27.0°C	Relative Humidity:	47%
Pressure:	101kPa		

## Appendix A: 6dB Bandwidth

### Test Result

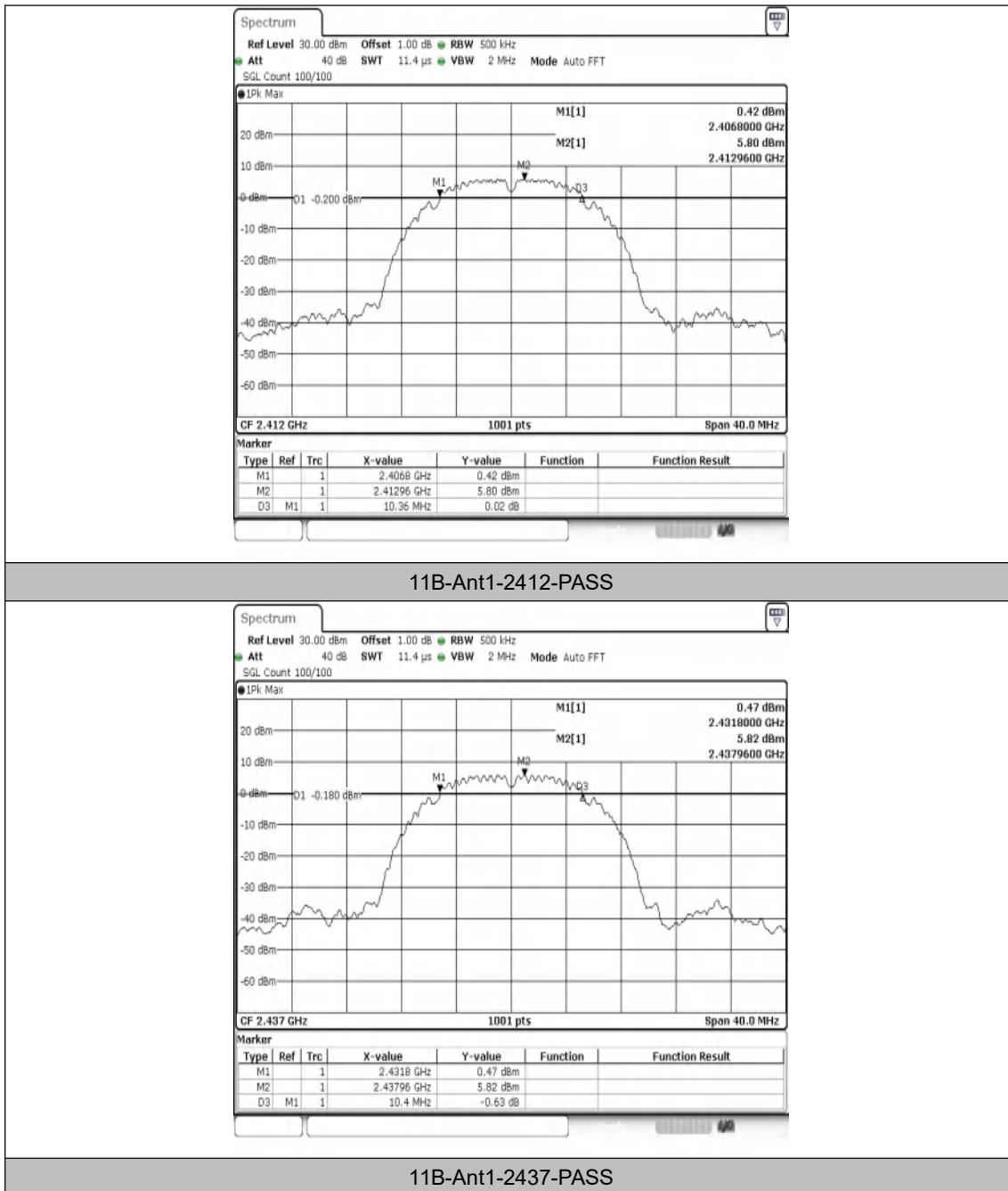
Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.36	2406.80	2417.16	0.5	PASS
11B	Ant1	2437	10.40	2431.80	2442.20	0.5	PASS
11B	Ant1	2462	10.36	2456.80	2467.16	0.5	PASS
11G	Ant1	2412	11.84	2405.76	2417.60	0.5	PASS
11G	Ant1	2437	15.44	2429.32	2444.76	0.5	PASS
11G	Ant1	2462	15.56	2454.24	2469.80	0.5	PASS
11N20SISO	Ant1	2412	15.72	2404.28	2420.00	0.5	PASS
11N20SISO	Ant1	2437	16.32	2428.96	2445.28	0.5	PASS
11N20SISO	Ant1	2462	15.48	2454.40	2469.88	0.5	PASS
11N40SISO	Ant1	2422	35.76	2404.08	2439.84	0.5	PASS
11N40SISO	Ant1	2437	34.56	2419.48	2454.04	0.5	PASS
11N40SISO	Ant1	2452	31.20	2435.12	2466.32	0.5	PASS
11AX20SISO	Ant1	2412	11.08	2405.92	2417.00	0.5	PASS
11AX20SISO	Ant1	2437	12.64	2430.48	2443.12	0.5	PASS
11AX20SISO	Ant1	2462	14.16	2455.52	2469.68	0.5	PASS
11AX40SISO	Ant1	2422	28.24	2406.32	2434.56	0.5	PASS
11AX40SISO	Ant1	2437	26.80	2425.16	2451.96	0.5	PASS
11AX40SISO	Ant1	2452	36.40	2433.52	2469.92	0.5	PASS

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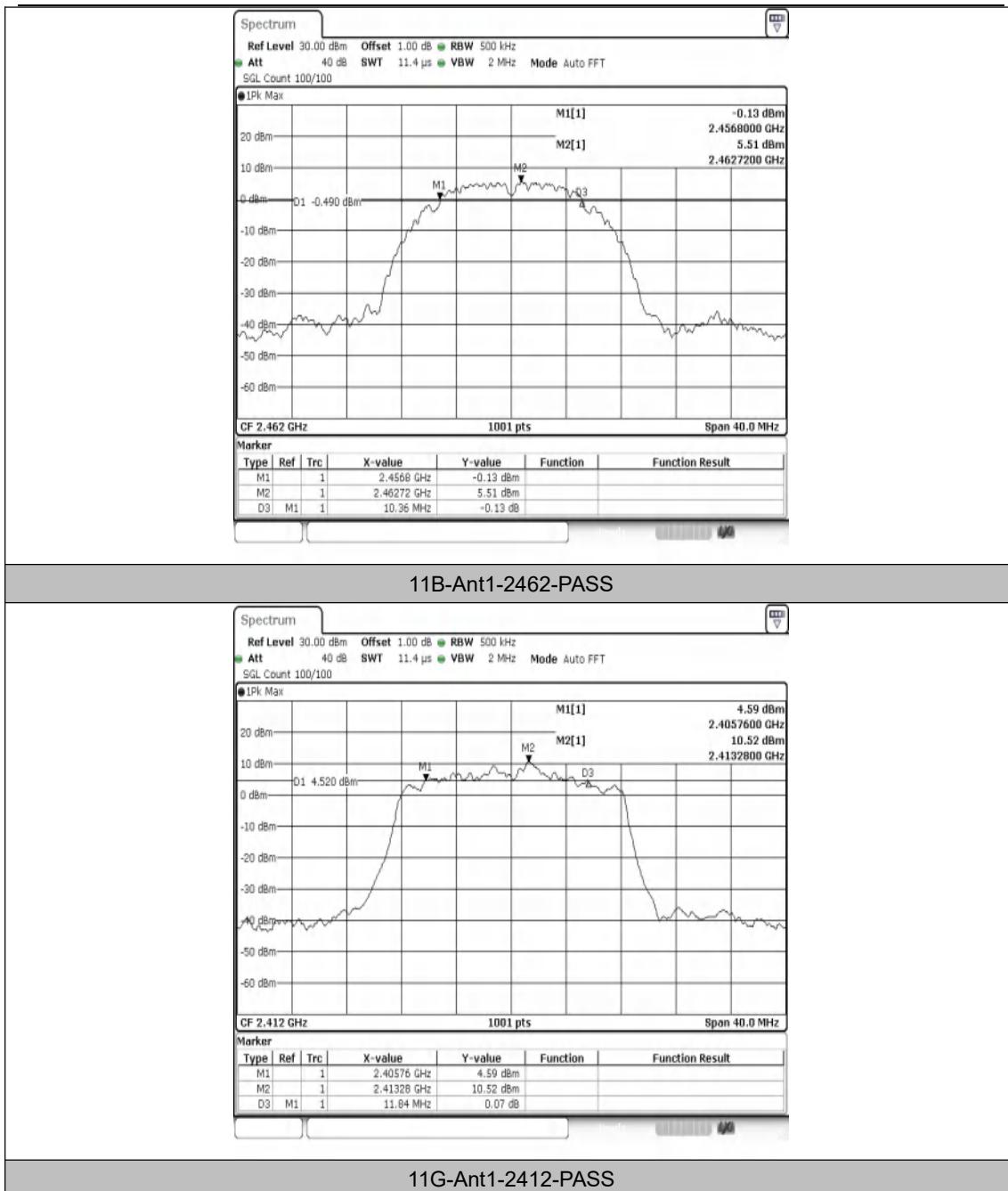
## Test Graphs



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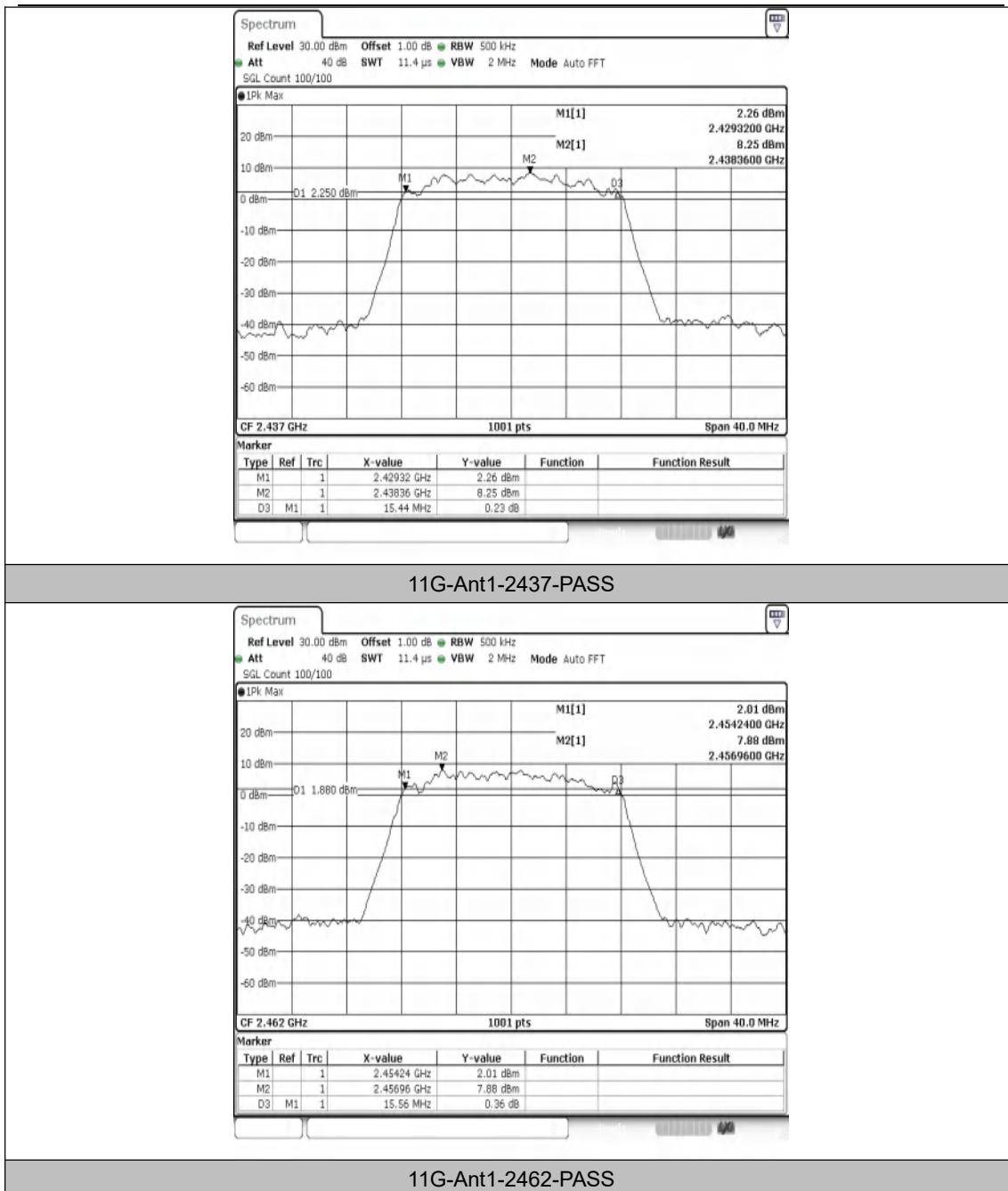
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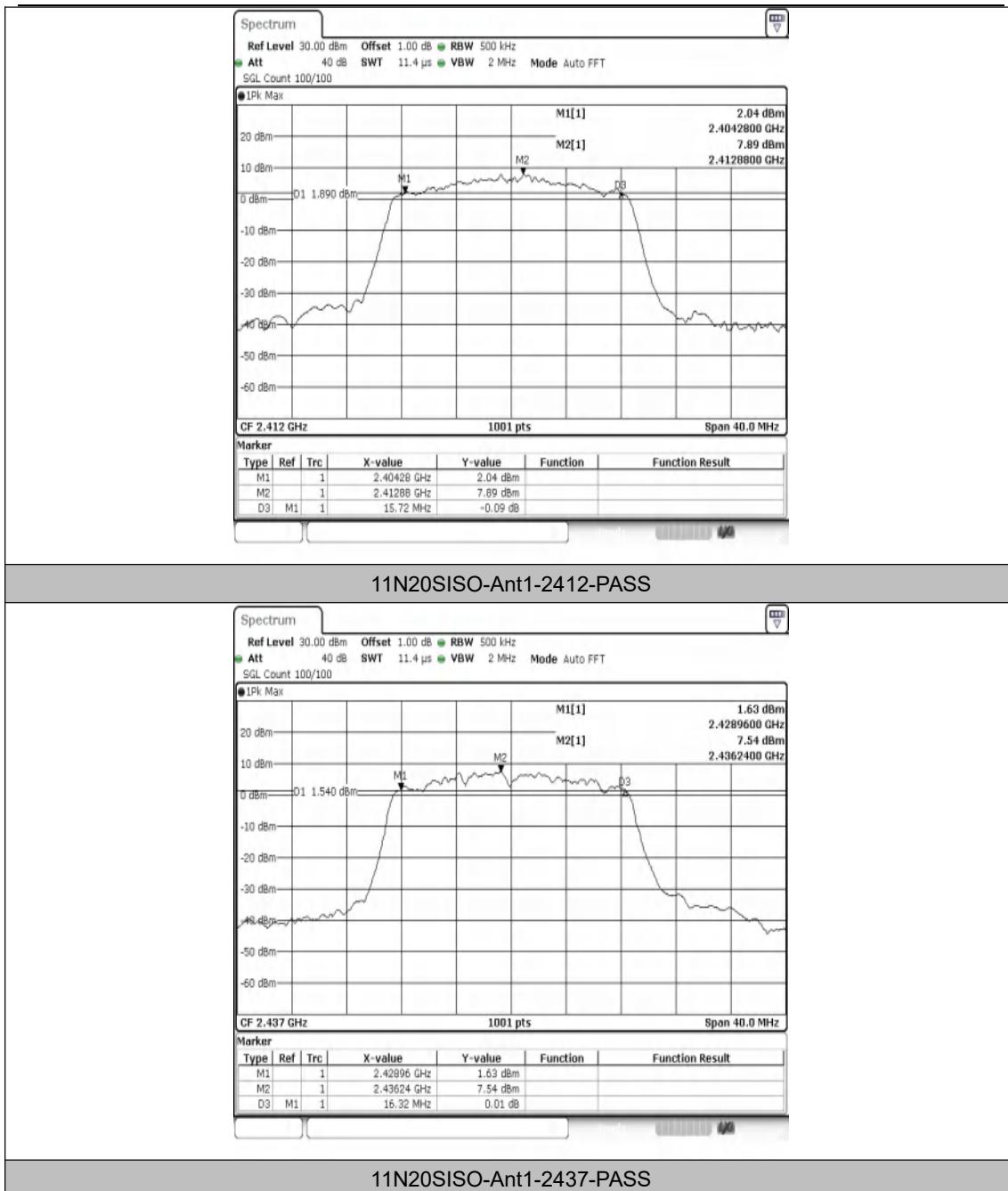
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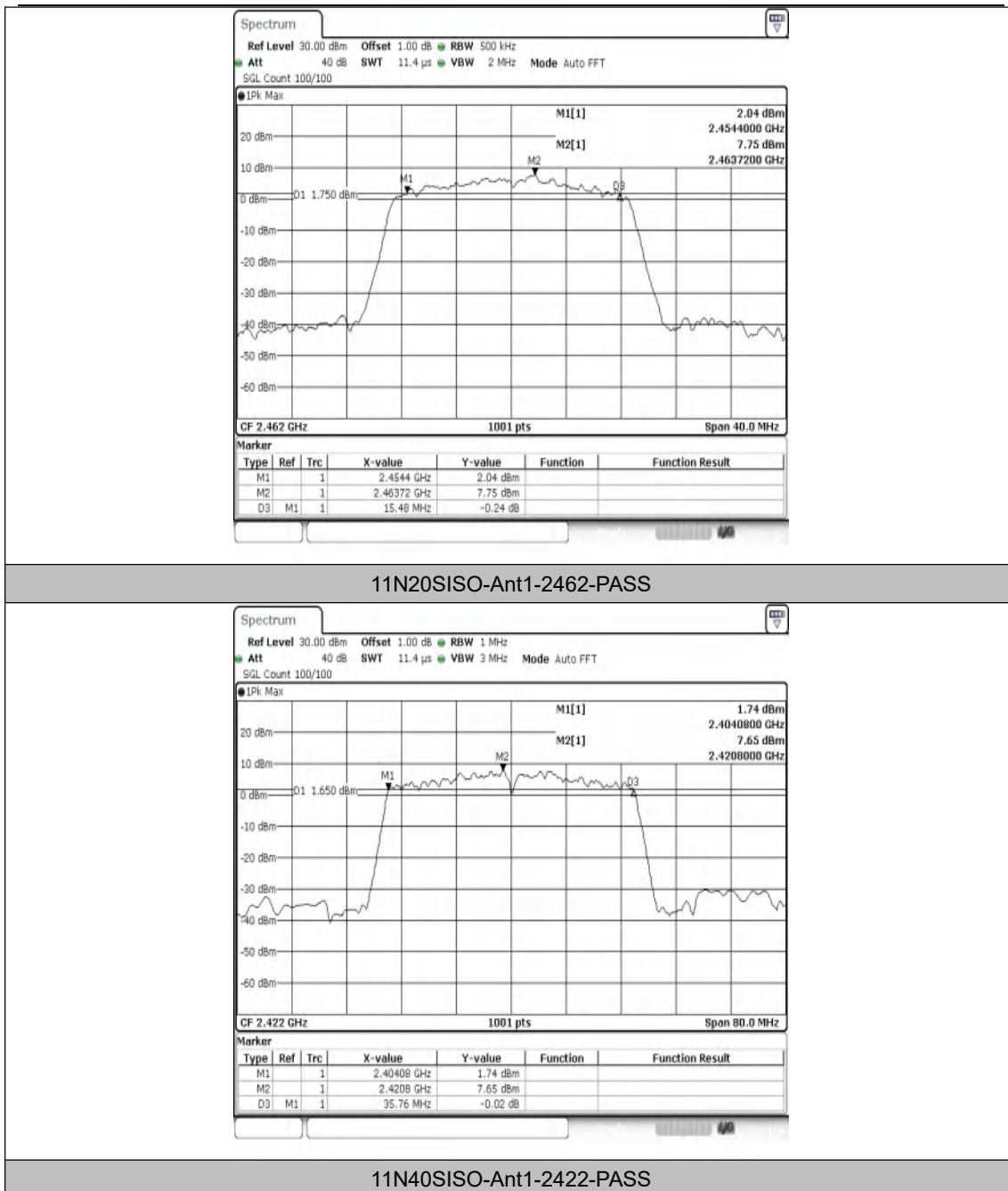
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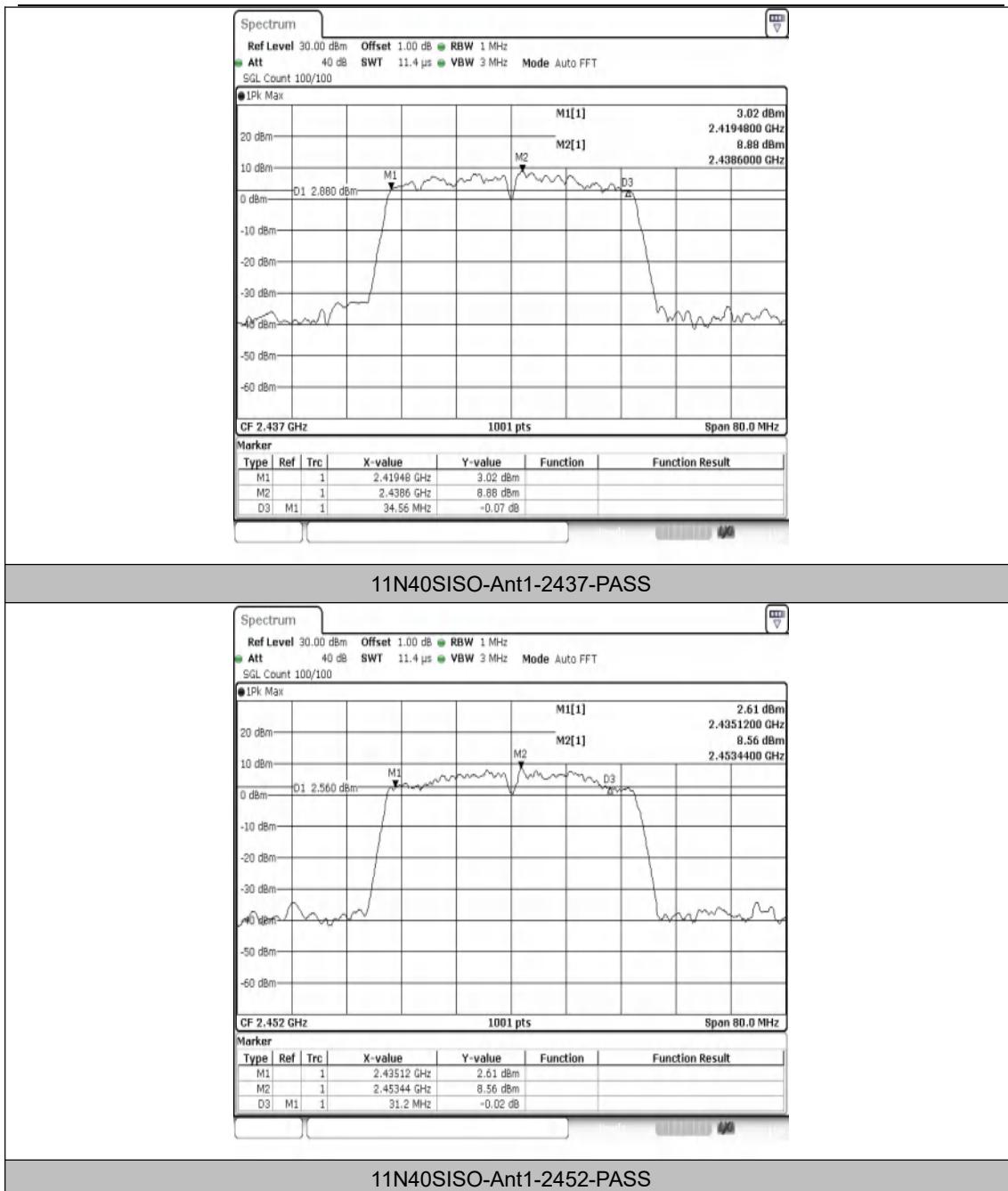
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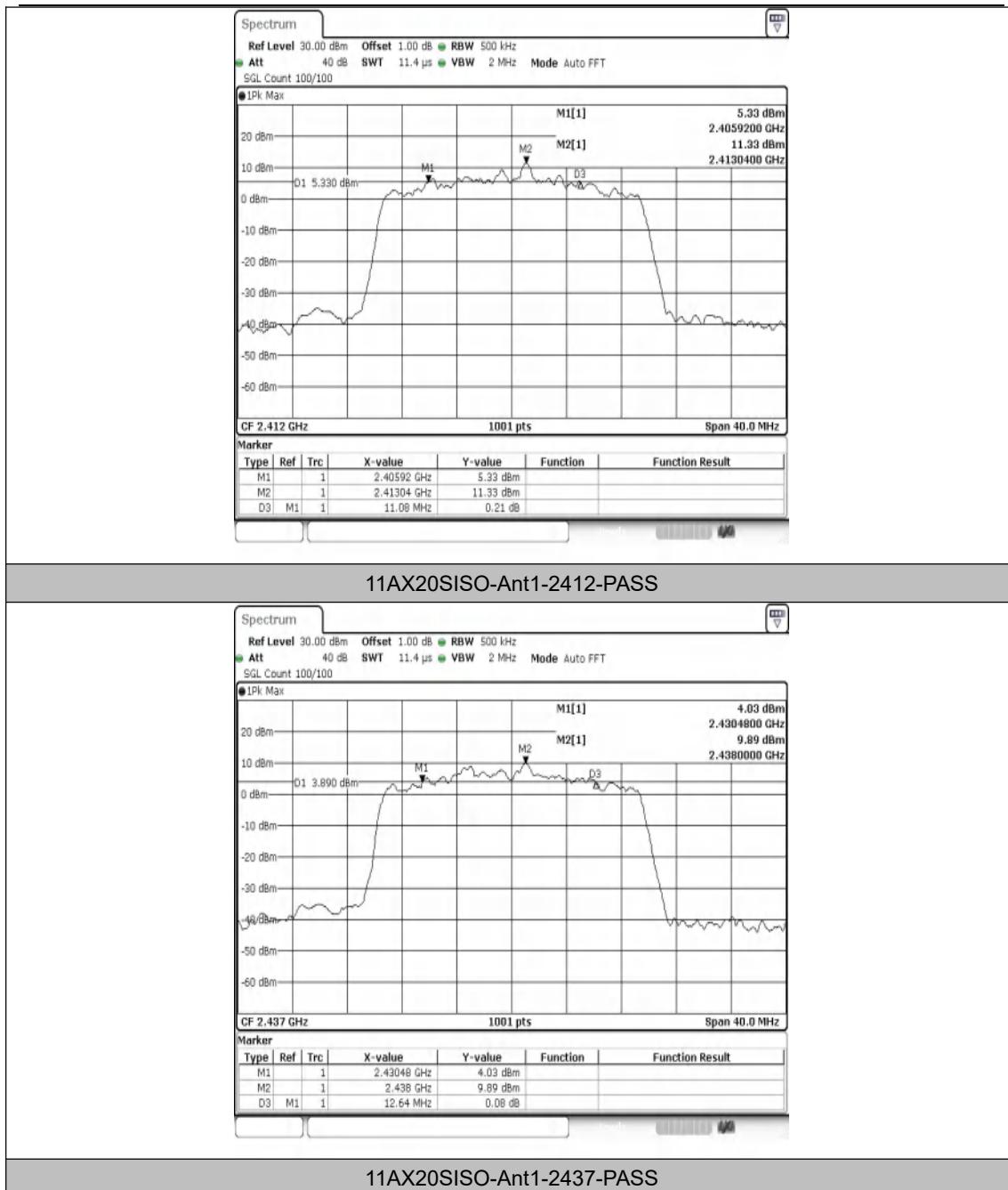
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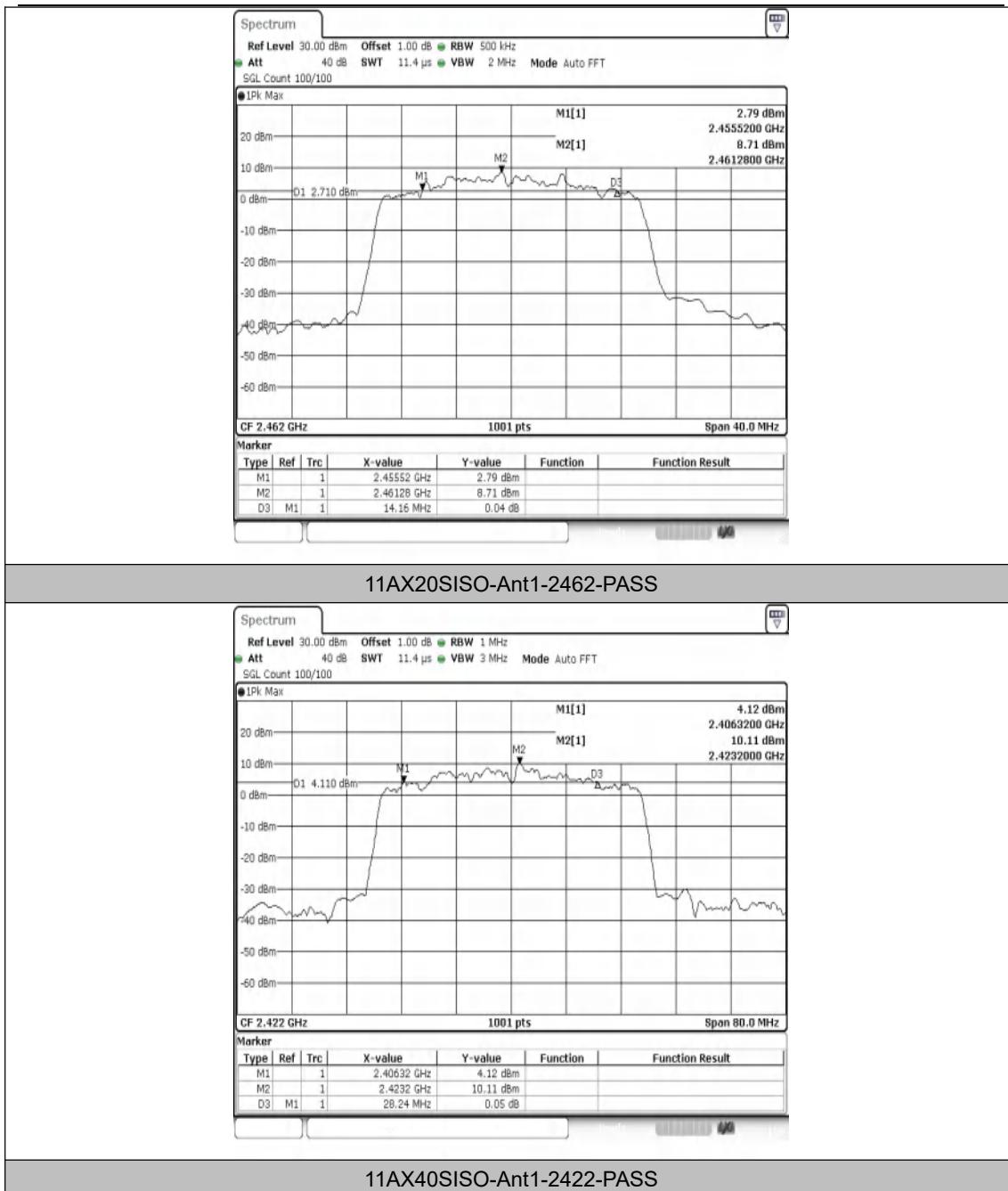
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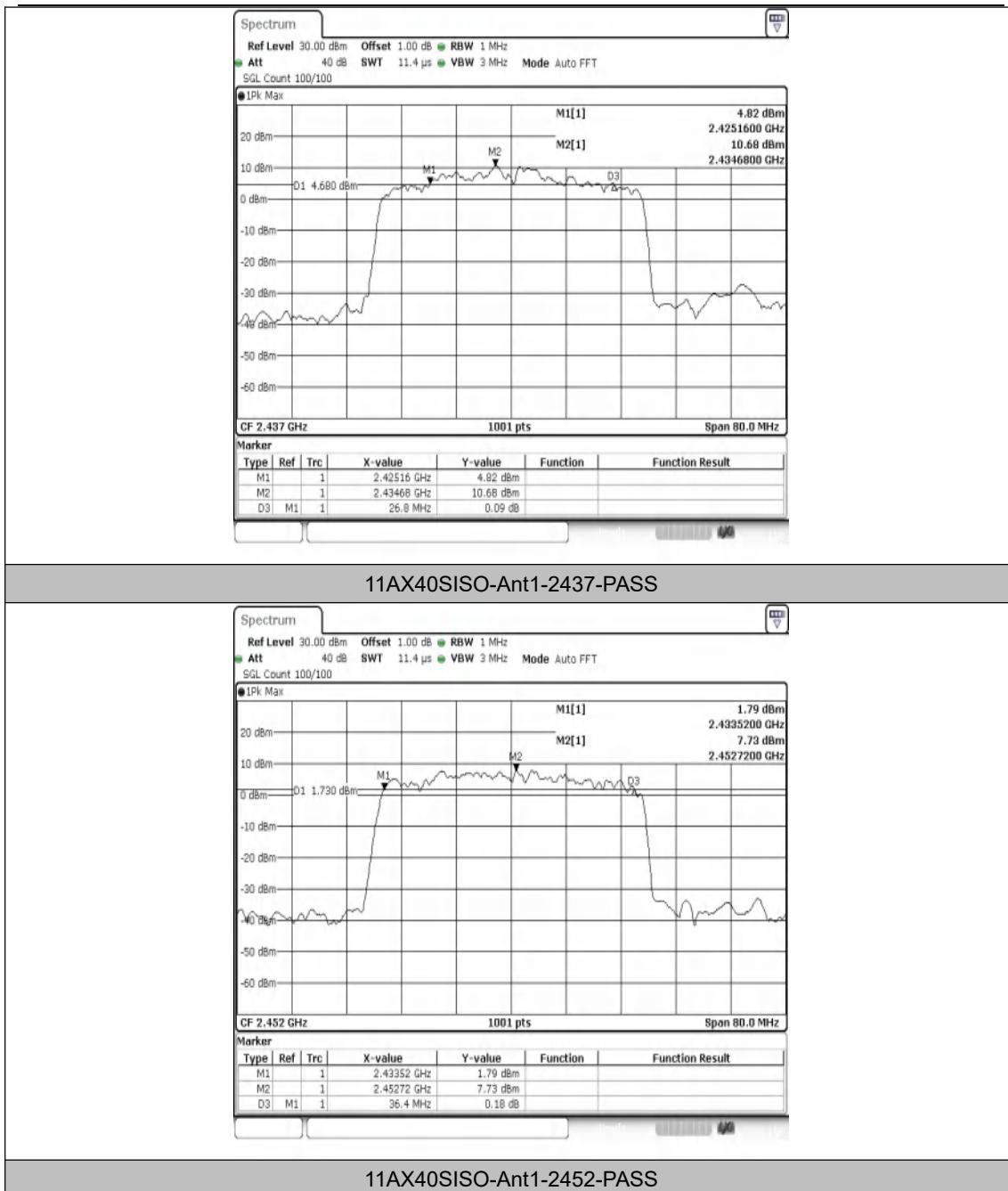
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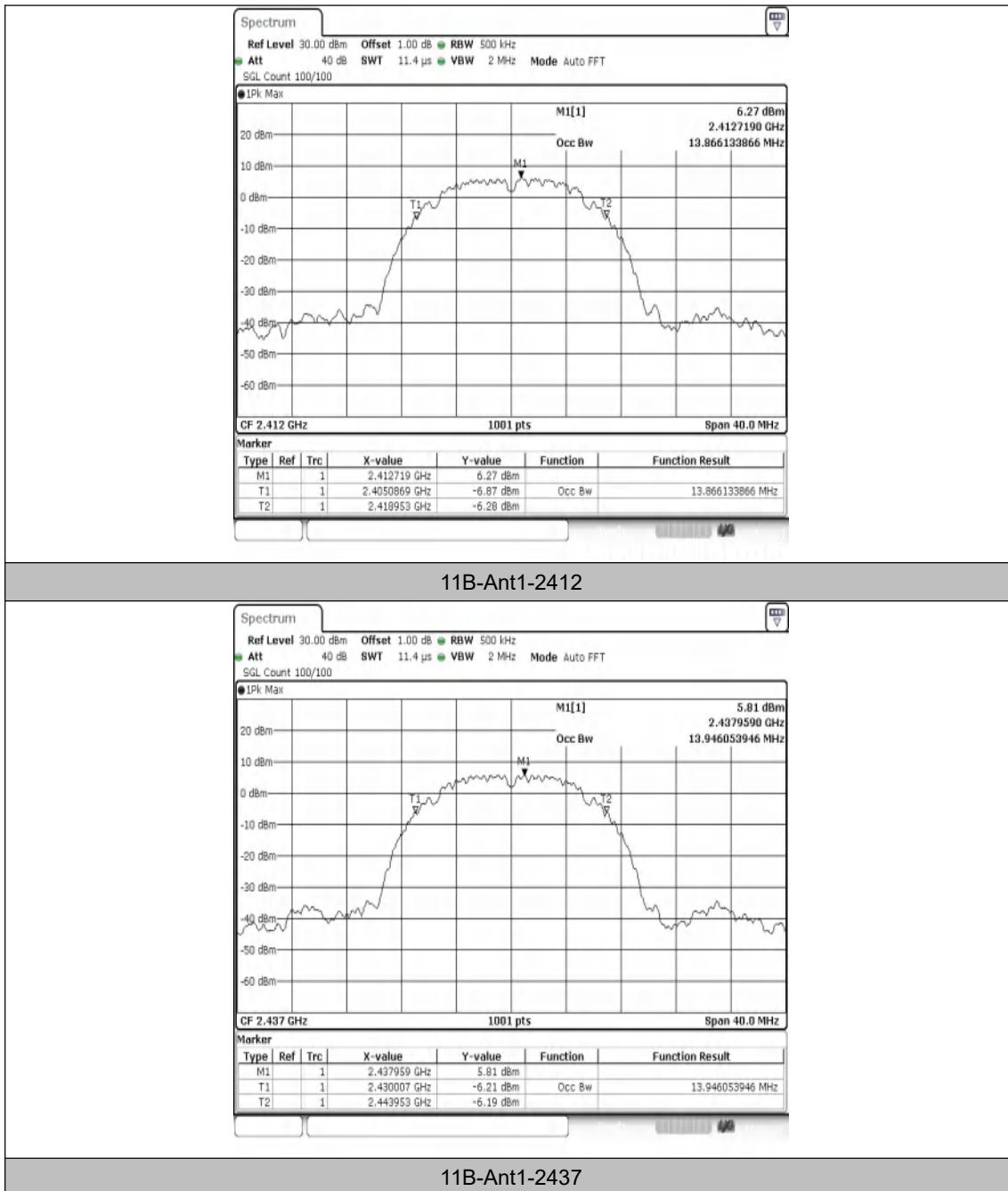
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## Appendix B: 99% Occupied Bandwidth

### Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.866	2405.0869	2418.9530	---	---
11B	Ant1	2437	13.946	2430.0070	2443.9530	---	---
11B	Ant1	2462	13.906	2455.0470	2468.9530	---	---
11G	Ant1	2412	16.144	2403.9680	2420.1119	---	---
11G	Ant1	2437	16.264	2428.8482	2445.1119	---	---
11G	Ant1	2462	16.184	2453.9281	2470.1119	---	---
11N20SISO	Ant1	2412	17.303	2403.3287	2420.6314	---	---
11N20SISO	Ant1	2437	17.303	2428.3287	2445.6314	---	---
11N20SISO	Ant1	2462	17.343	2453.2887	2470.6314	---	---
11N40SISO	Ant1	2422	35.804	2404.1778	2439.9820	---	---
11N40SISO	Ant1	2437	35.724	2419.0979	2454.8222	---	---
11N40SISO	Ant1	2452	35.644	2434.0979	2469.7423	---	---
11AX20SISO	Ant1	2412	18.741	2402.5694	2421.3107	---	---
11AX20SISO	Ant1	2437	18.581	2427.6494	2446.2308	---	---
11AX20SISO	Ant1	2462	18.621	2452.5694	2471.1908	---	---
11AX40SISO	Ant1	2422	37.243	2403.2987	2440.5415	---	---
11AX40SISO	Ant1	2437	37.243	2418.3786	2455.6214	---	---
11AX40SISO	Ant1	2452	37.323	2433.2987	2470.6214	---	---

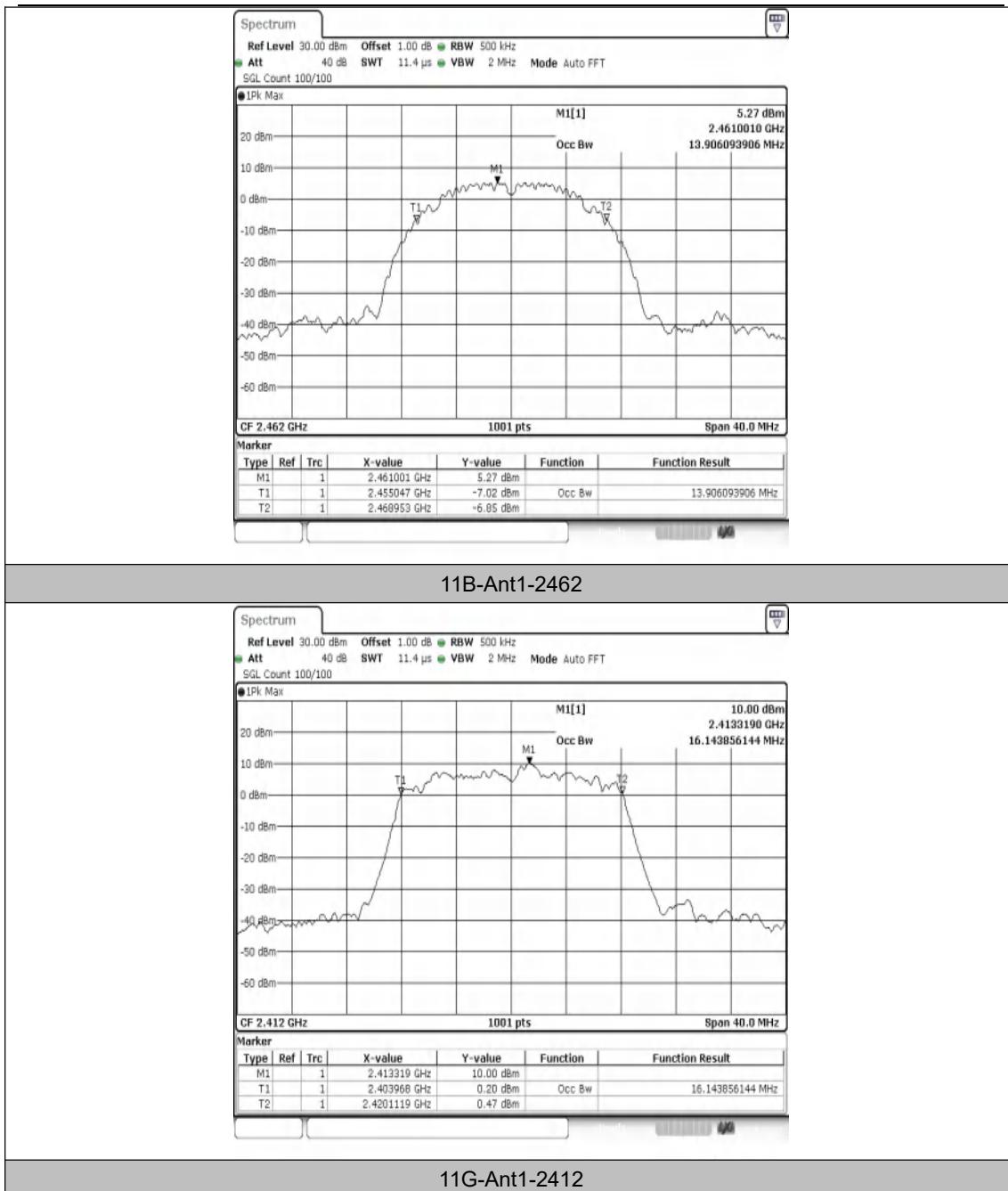
## Test Graphs



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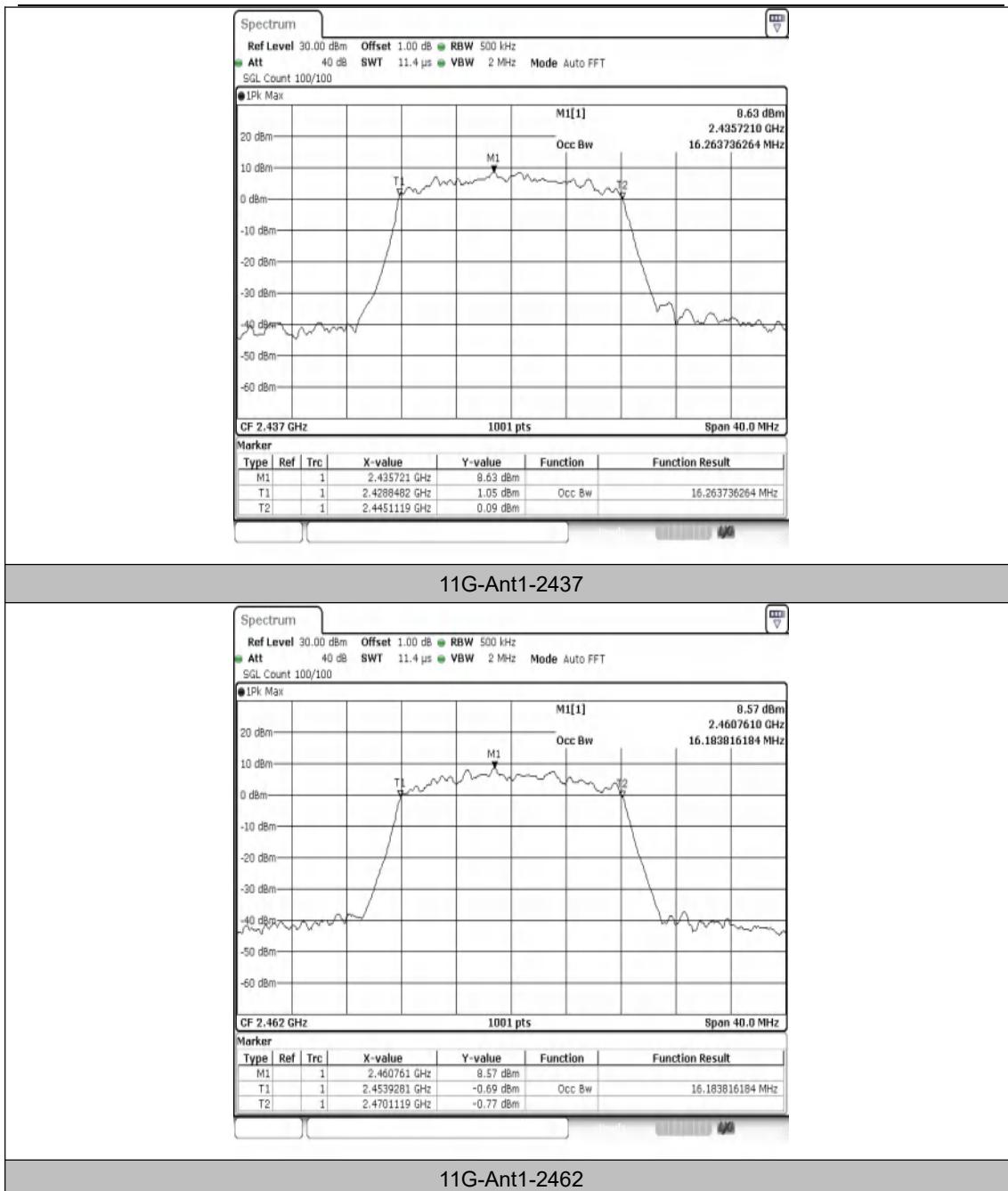
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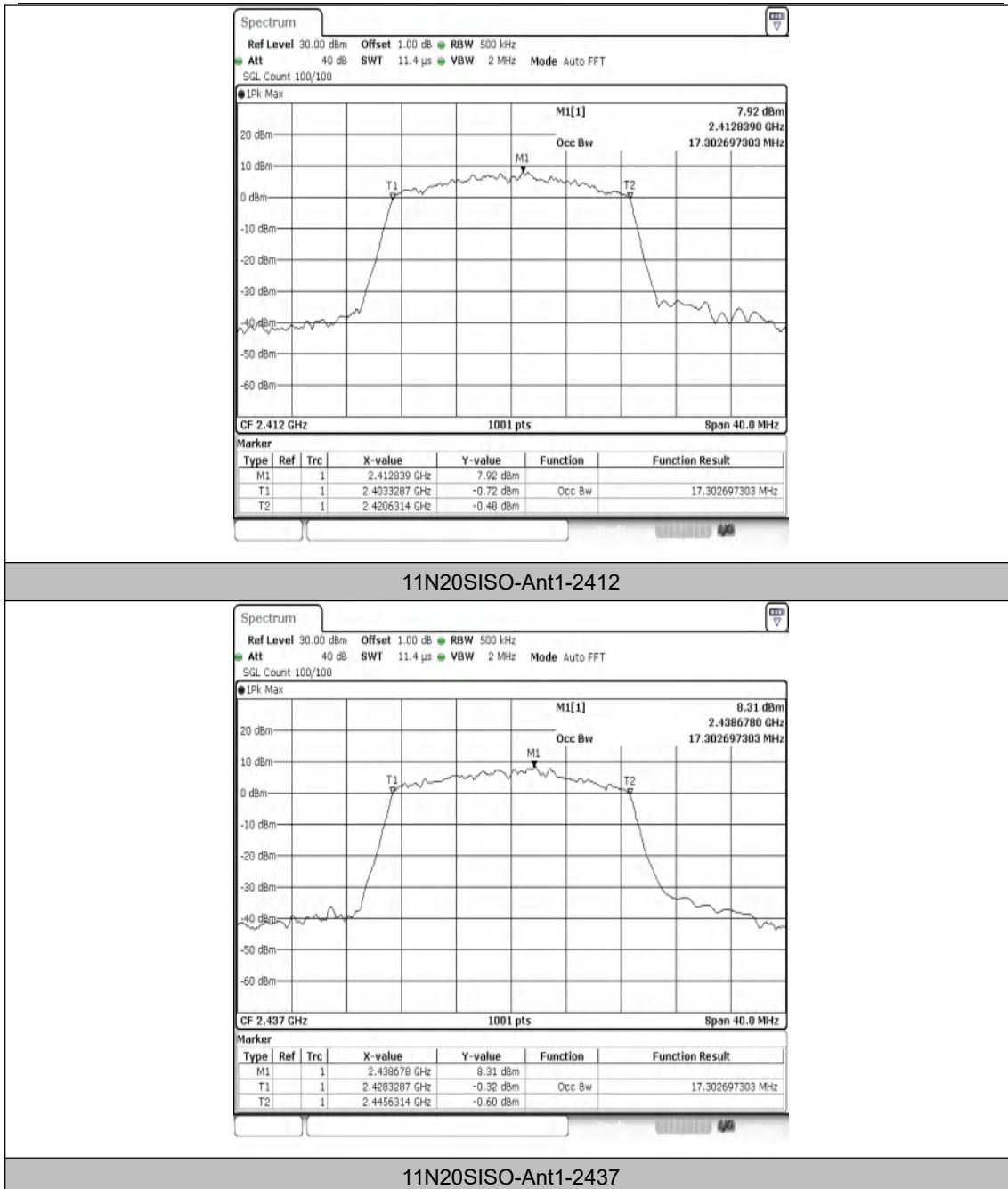
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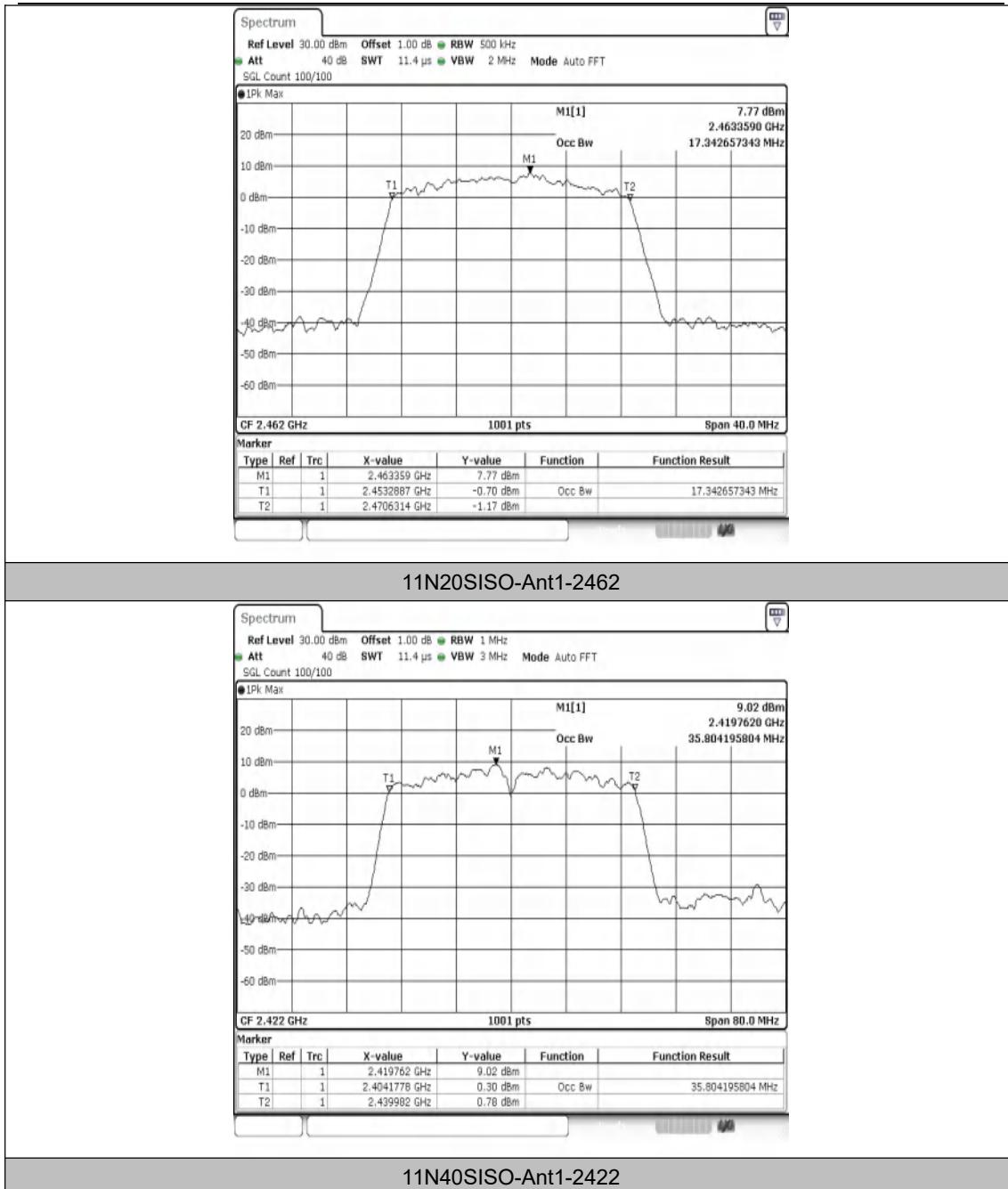
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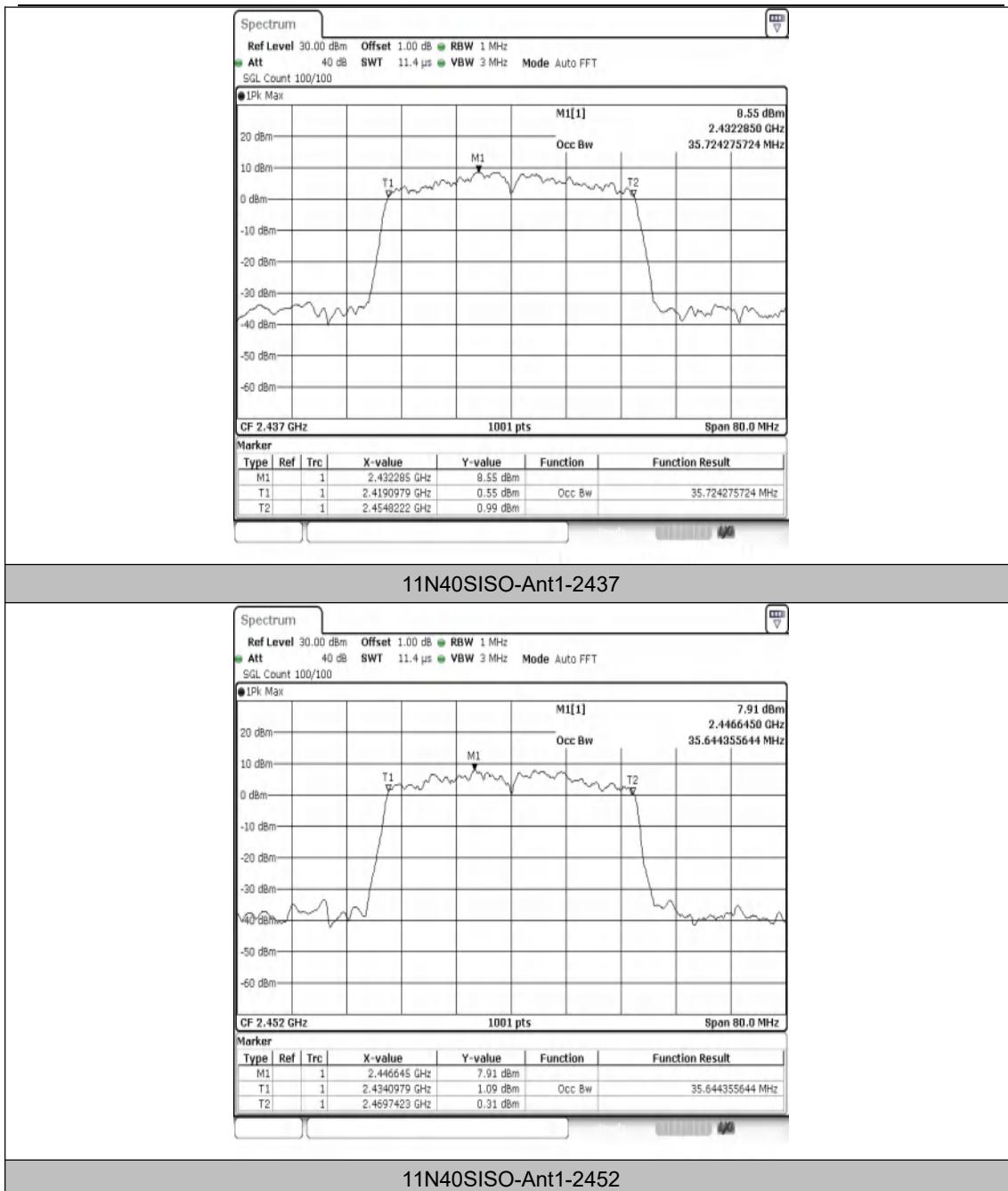
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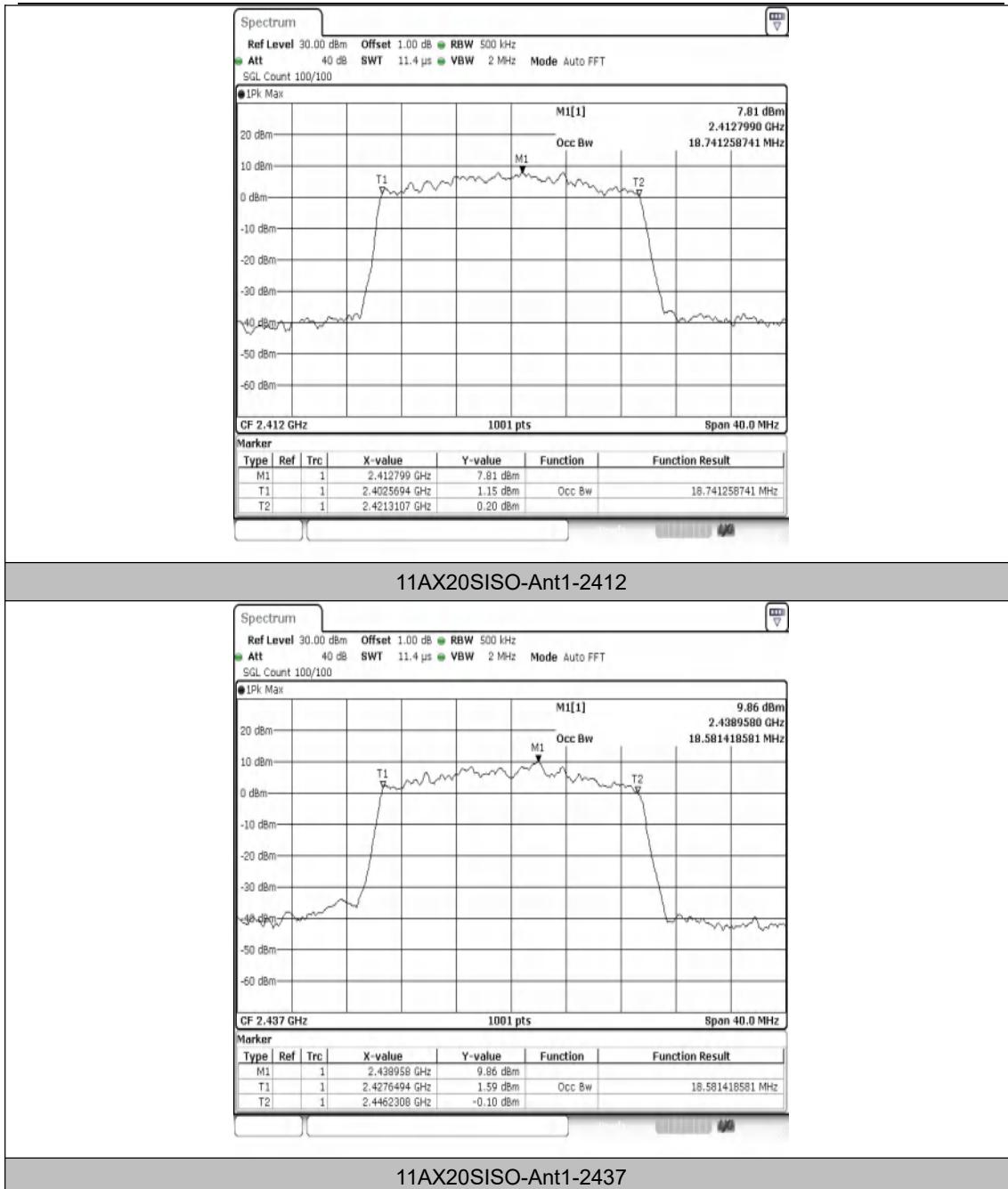
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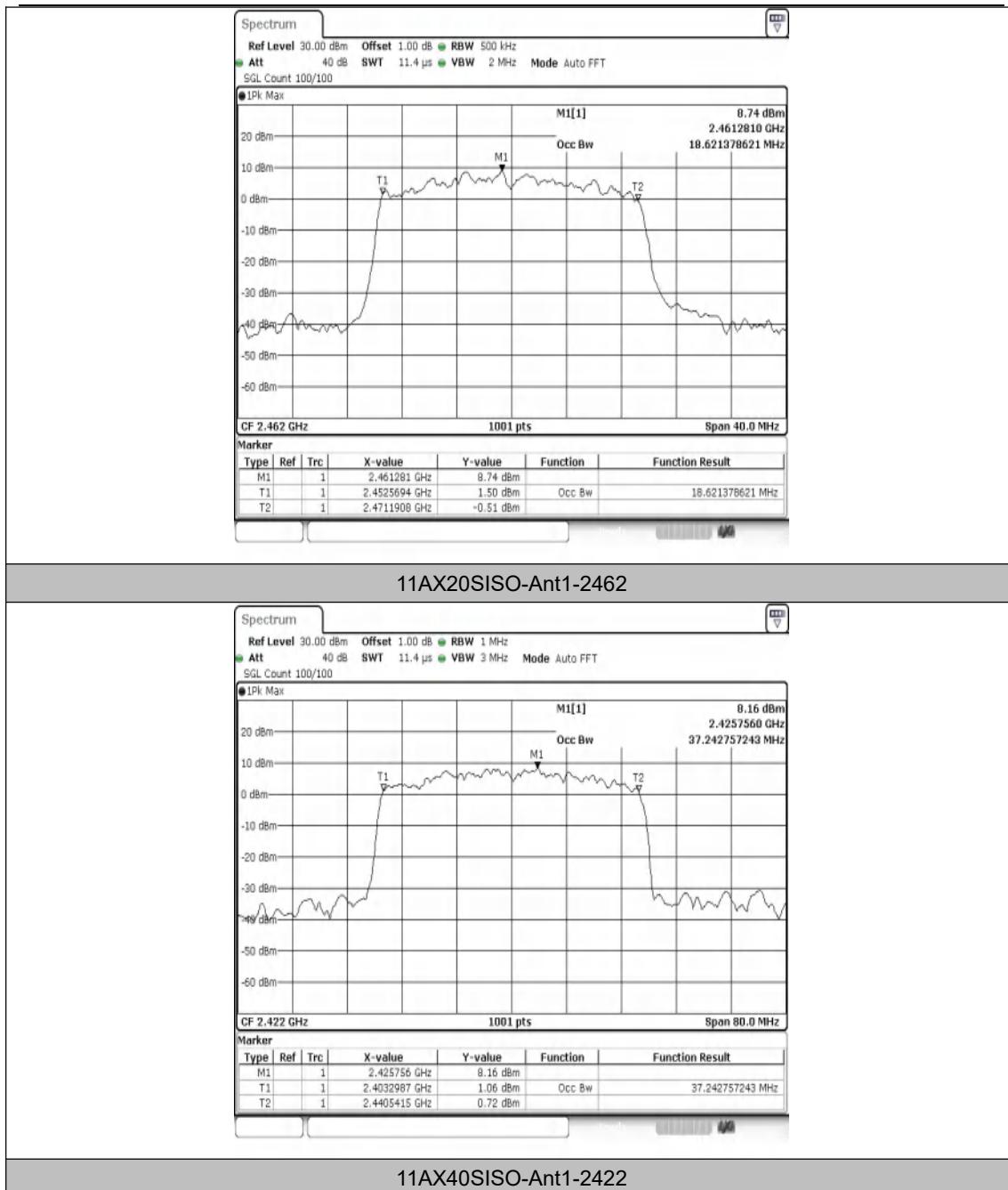
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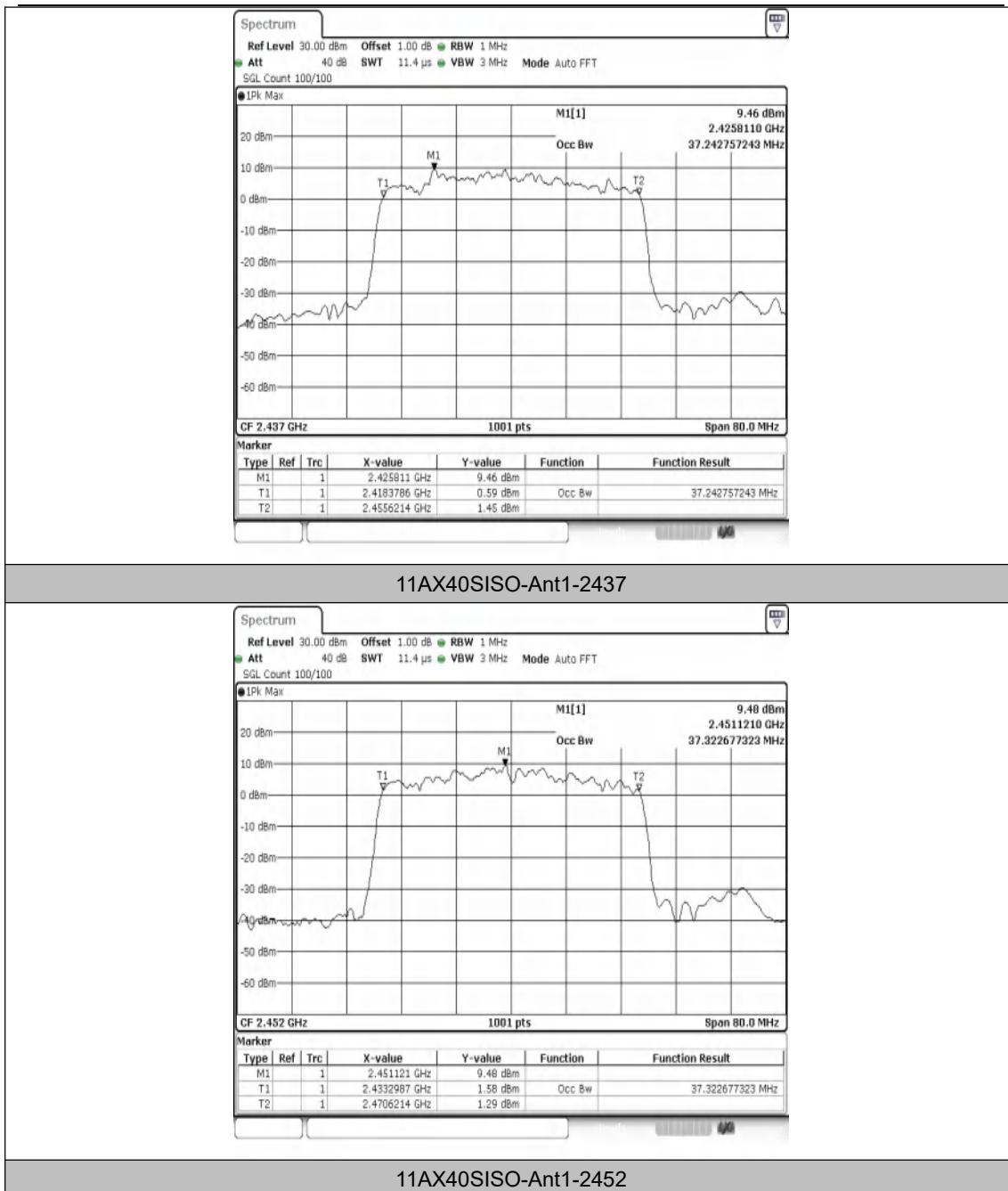
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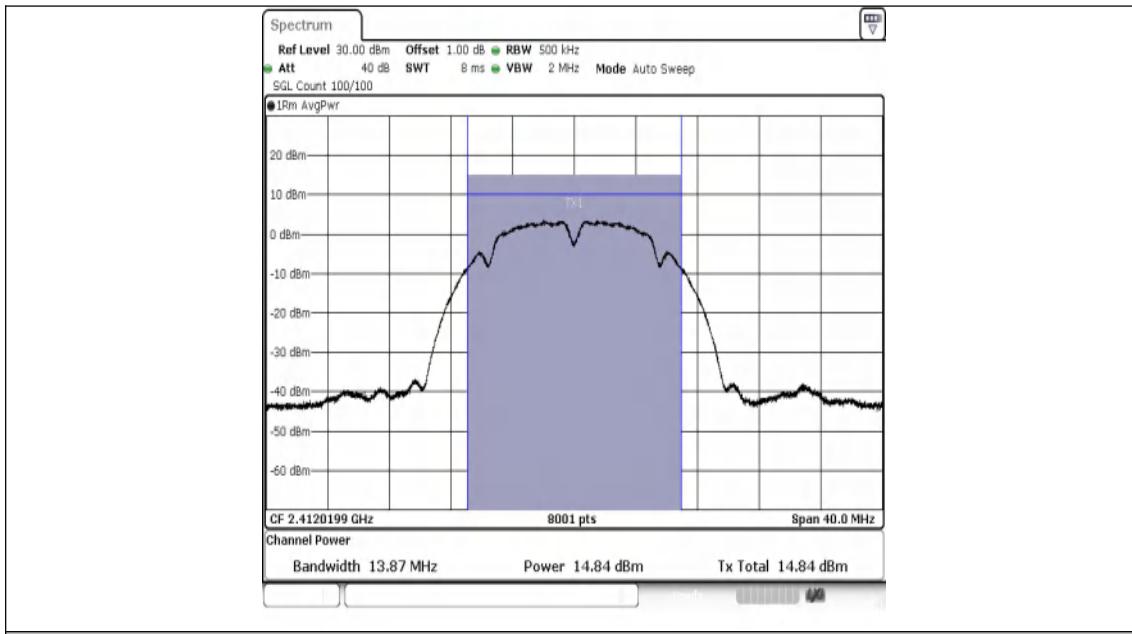
## Appendix C: Maximum conducted output power

### Test Result Average

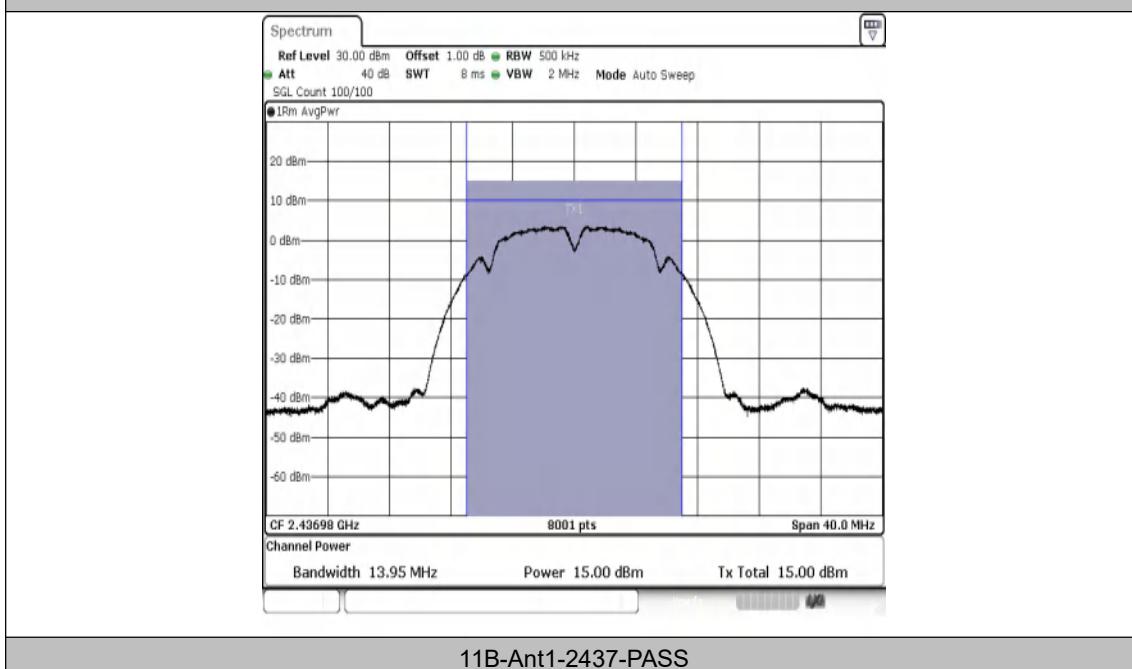
Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	NA	14.84	100.00	0.00	14.84	≤30.00	PASS
11B	Ant1	2437	NA	15.00	100.00	0.00	15.00	≤30.00	PASS
11B	Ant1	2462	NA	14.28	100.00	0.00	14.28	≤30.00	PASS
11G	Ant1	2412	NA	14.48	100.00	0.00	14.48	≤30.00	PASS
11G	Ant1	2437	NA	14.54	100.00	0.00	14.54	≤30.00	PASS
11G	Ant1	2462	NA	14.11	100.00	0.00	14.11	≤30.00	PASS
11N20SISO	Ant1	2412	NA	14.34	100.00	0.00	14.34	≤30.00	PASS
11N20SISO	Ant1	2437	NA	14.39	100.00	0.00	14.39	≤30.00	PASS
11N20SISO	Ant1	2462	NA	13.90	100.00	0.00	13.90	≤30.00	PASS
11N40SISO	Ant1	2422	NA	14.35	100.00	0.00	14.35	≤30.00	PASS
11N40SISO	Ant1	2437	NA	14.42	100.00	0.00	14.42	≤30.00	PASS
11N40SISO	Ant1	2452	NA	14.05	100.00	0.00	14.05	≤30.00	PASS
11AX20SISO	Ant1	2412	NA	14.07	100.00	0.00	14.07	≤30.00	PASS
11AX20SISO	Ant1	2437	NA	14.26	100.00	0.00	14.26	≤30.00	PASS
11AX20SISO	Ant1	2462	NA	13.78	100.00	0.00	13.78	≤30.00	PASS
11AX40SISO	Ant1	2422	NA	14.40	100.00	0.00	14.40	≤30.00	PASS
11AX40SISO	Ant1	2437	NA	14.52	100.00	0.00	14.52	≤30.00	PASS
11AX40SISO	Ant1	2452	NA	14.09	100.00	0.00	14.09	≤30.00	PASS

Note: 1. The cable loss are compensated in the graph

## Test Graphs Average



11B-Ant1-2412-PASS

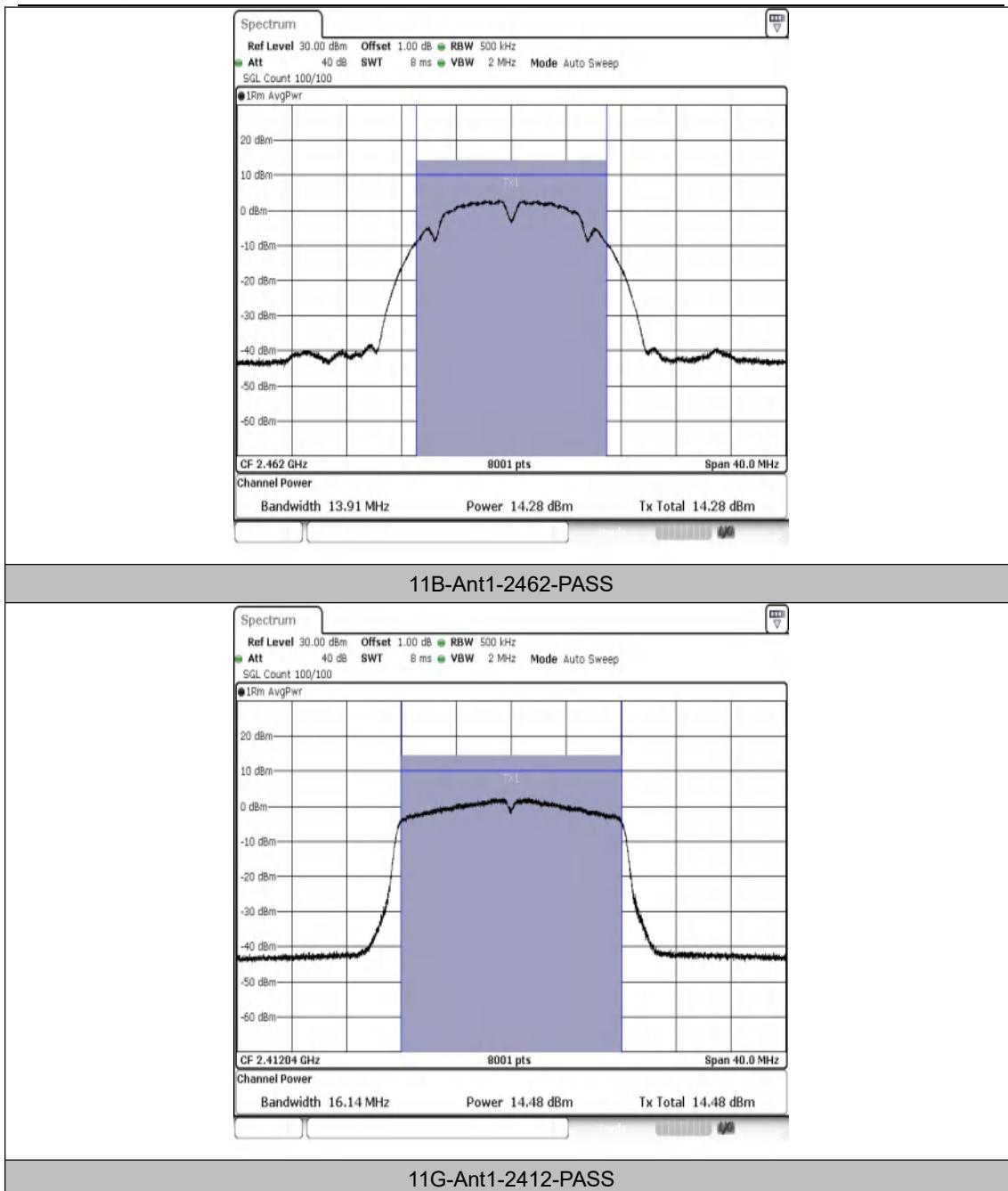


11B-Ant1-2437-PASS

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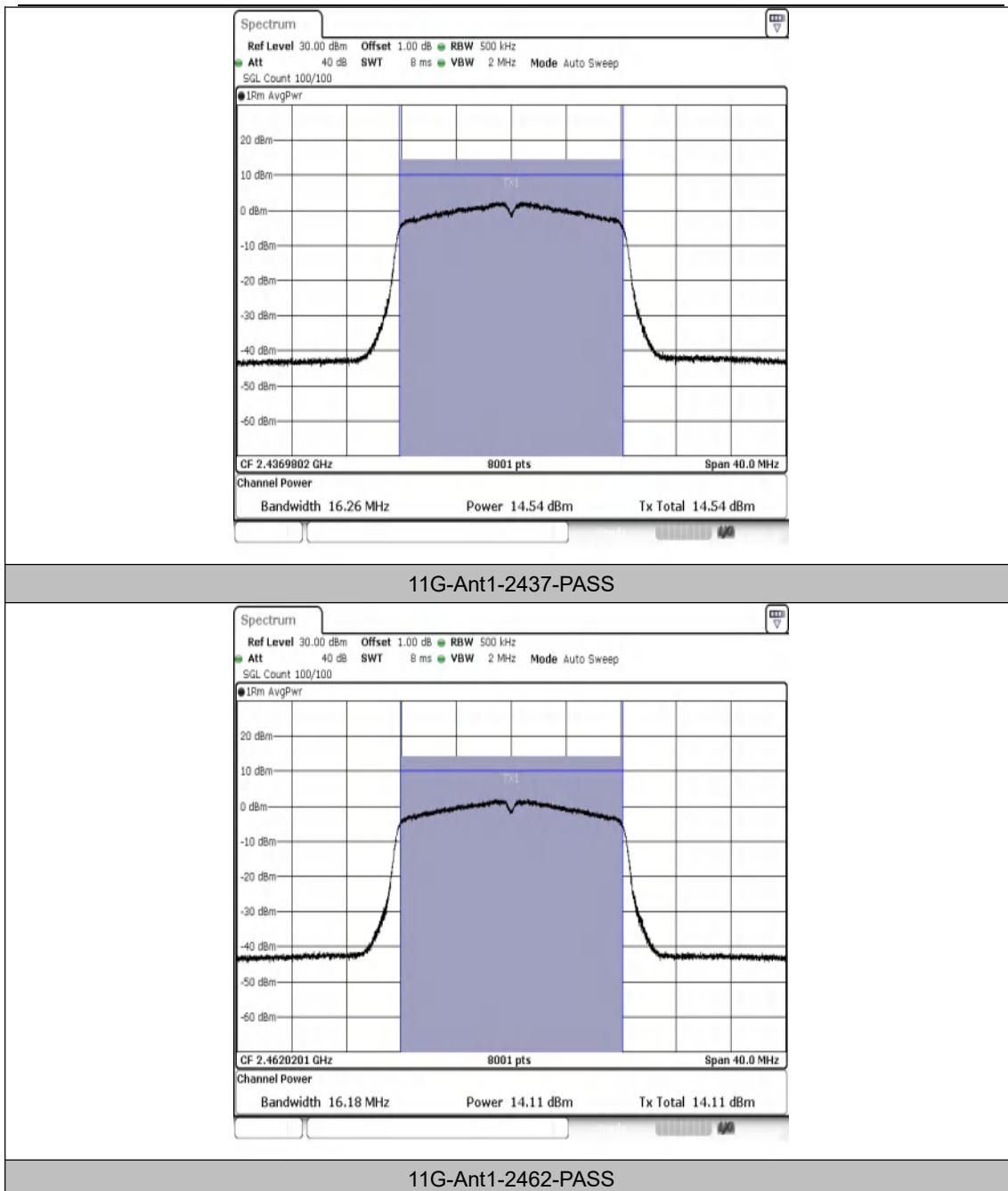
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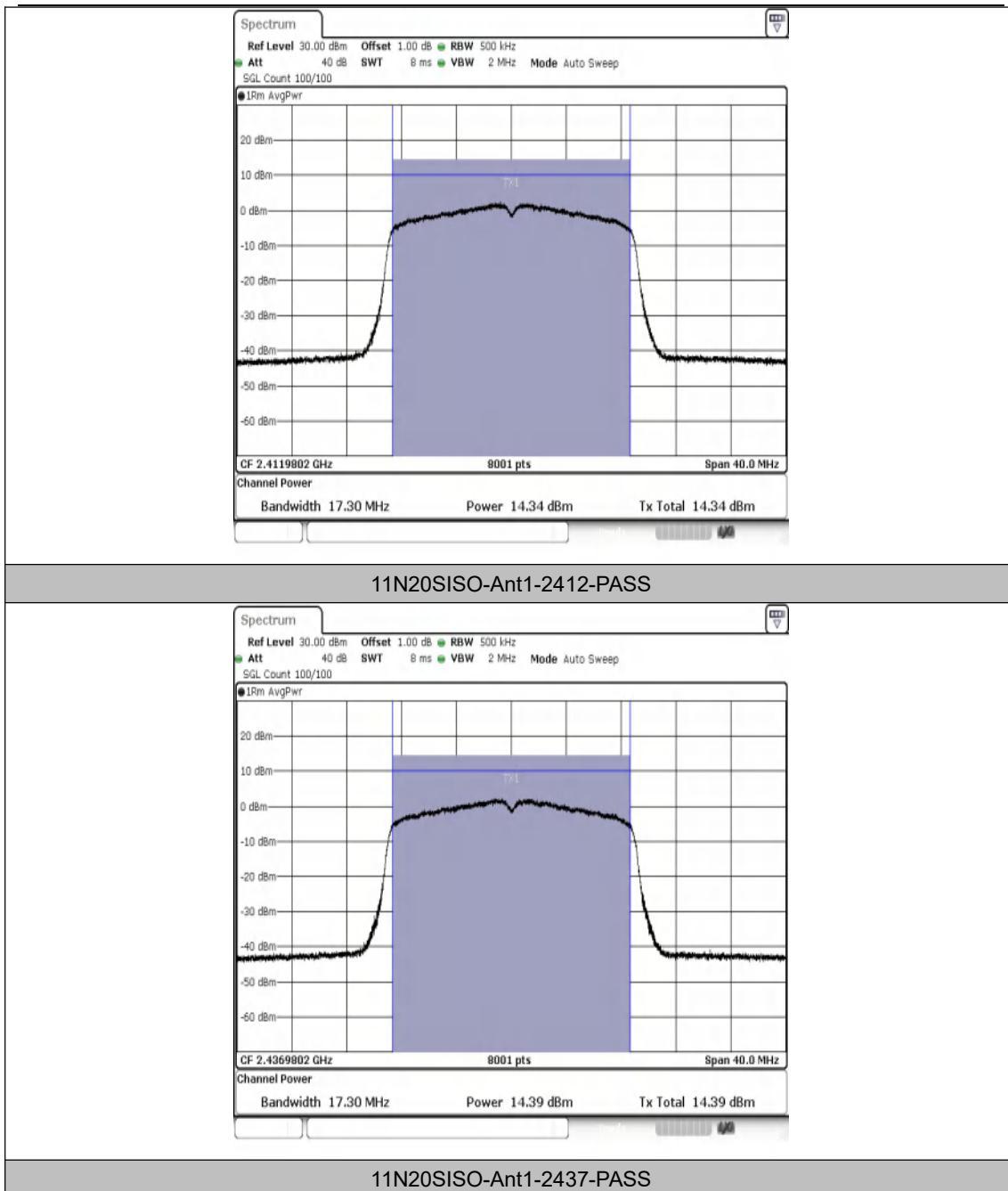
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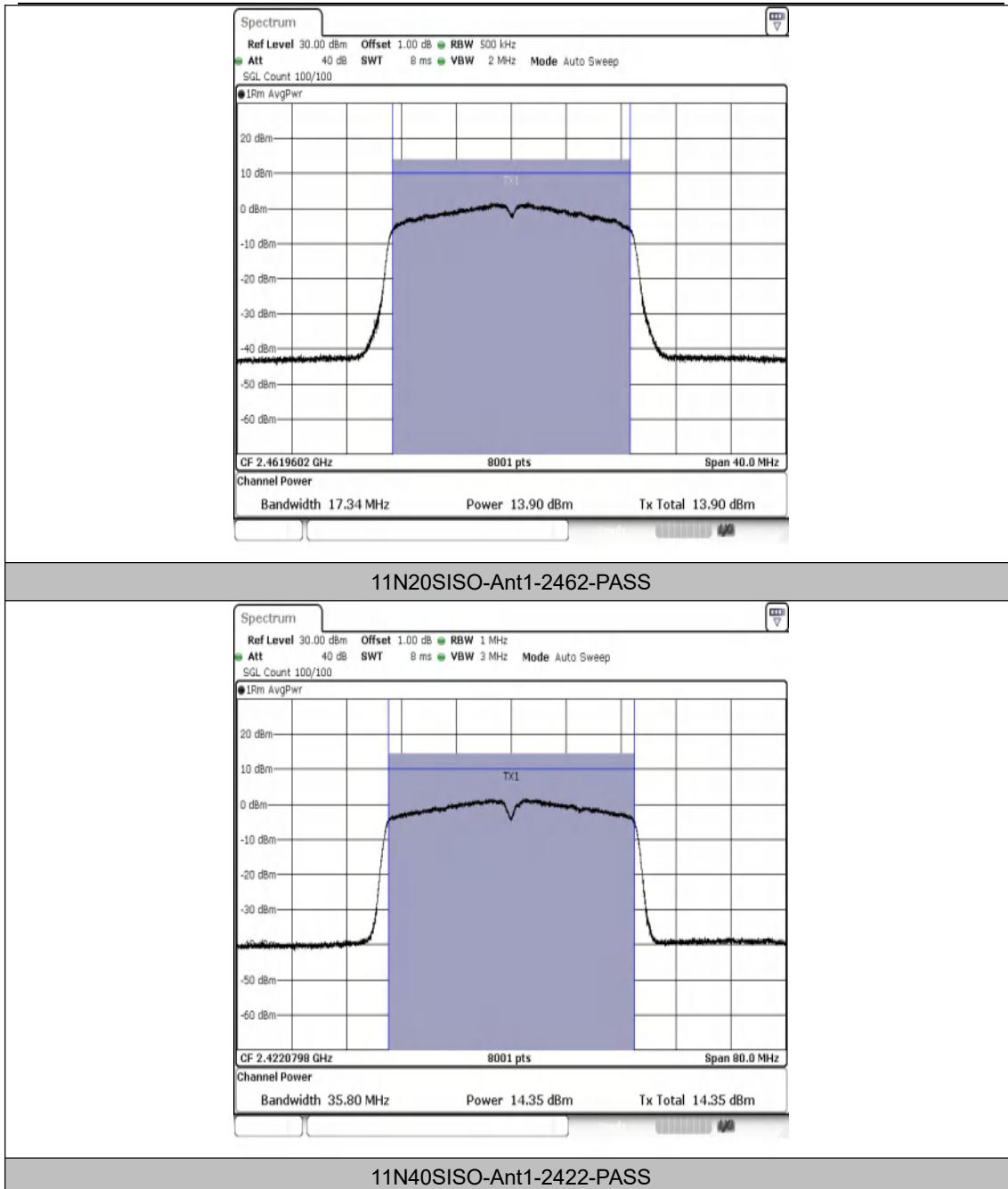
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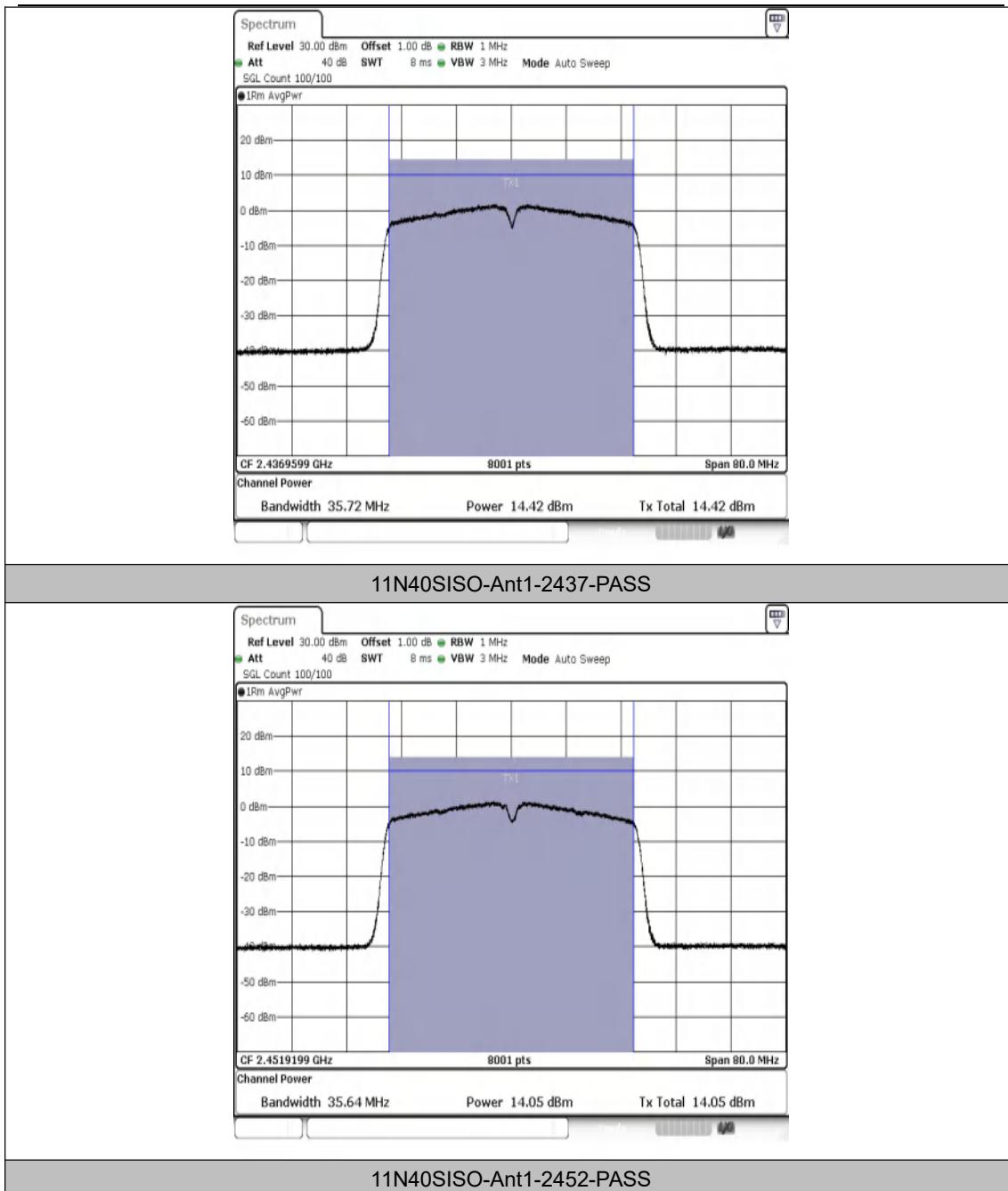
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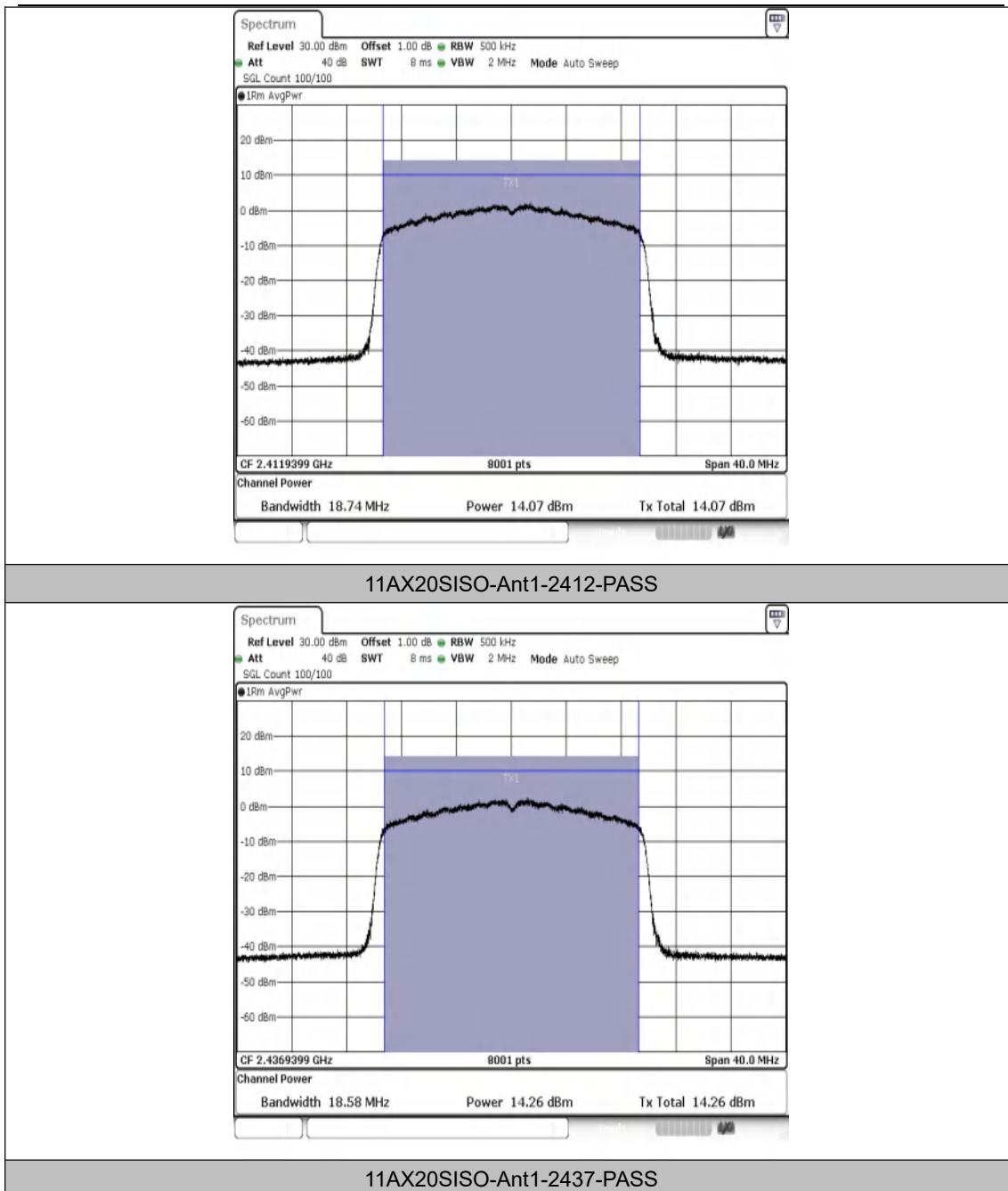
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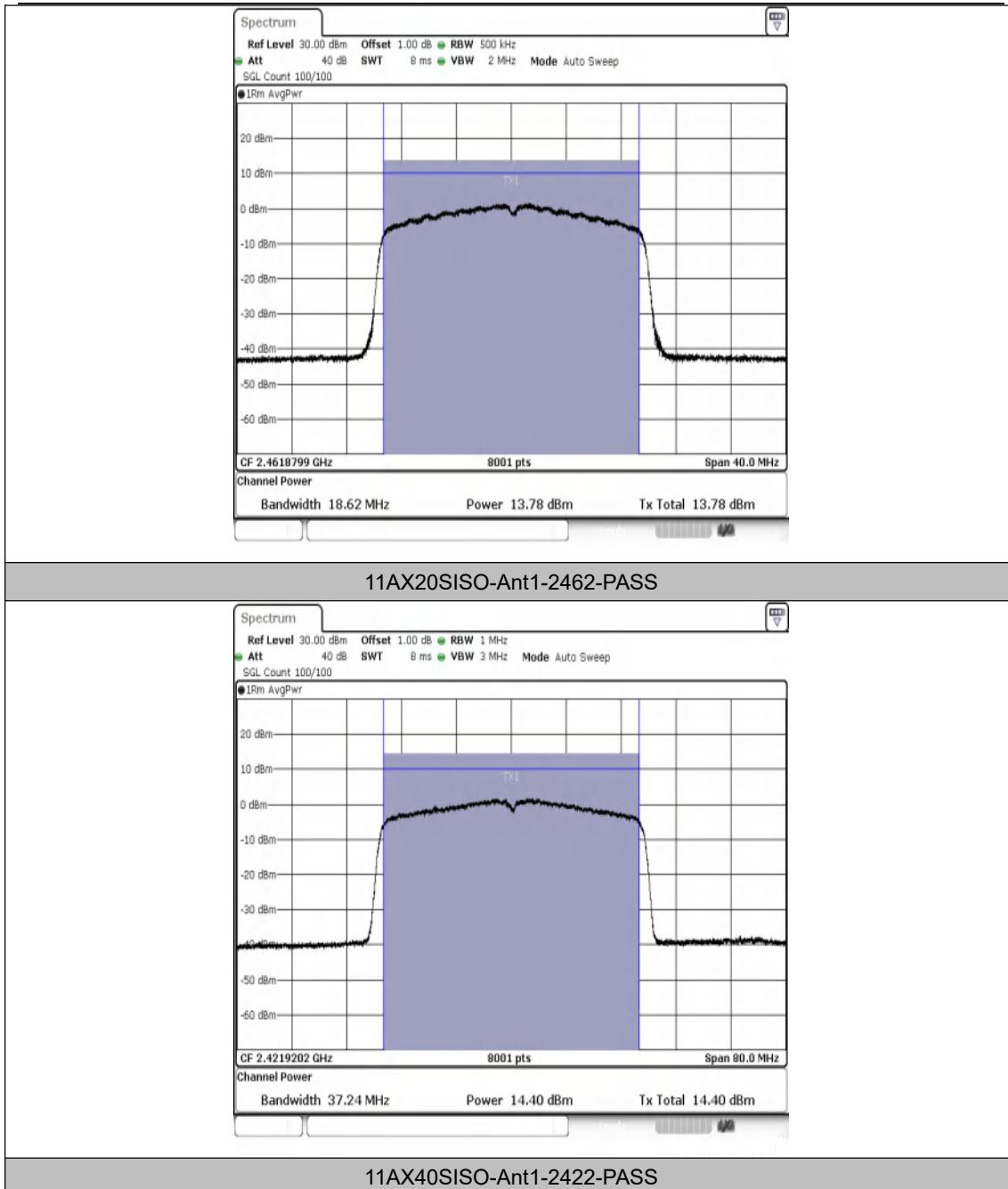
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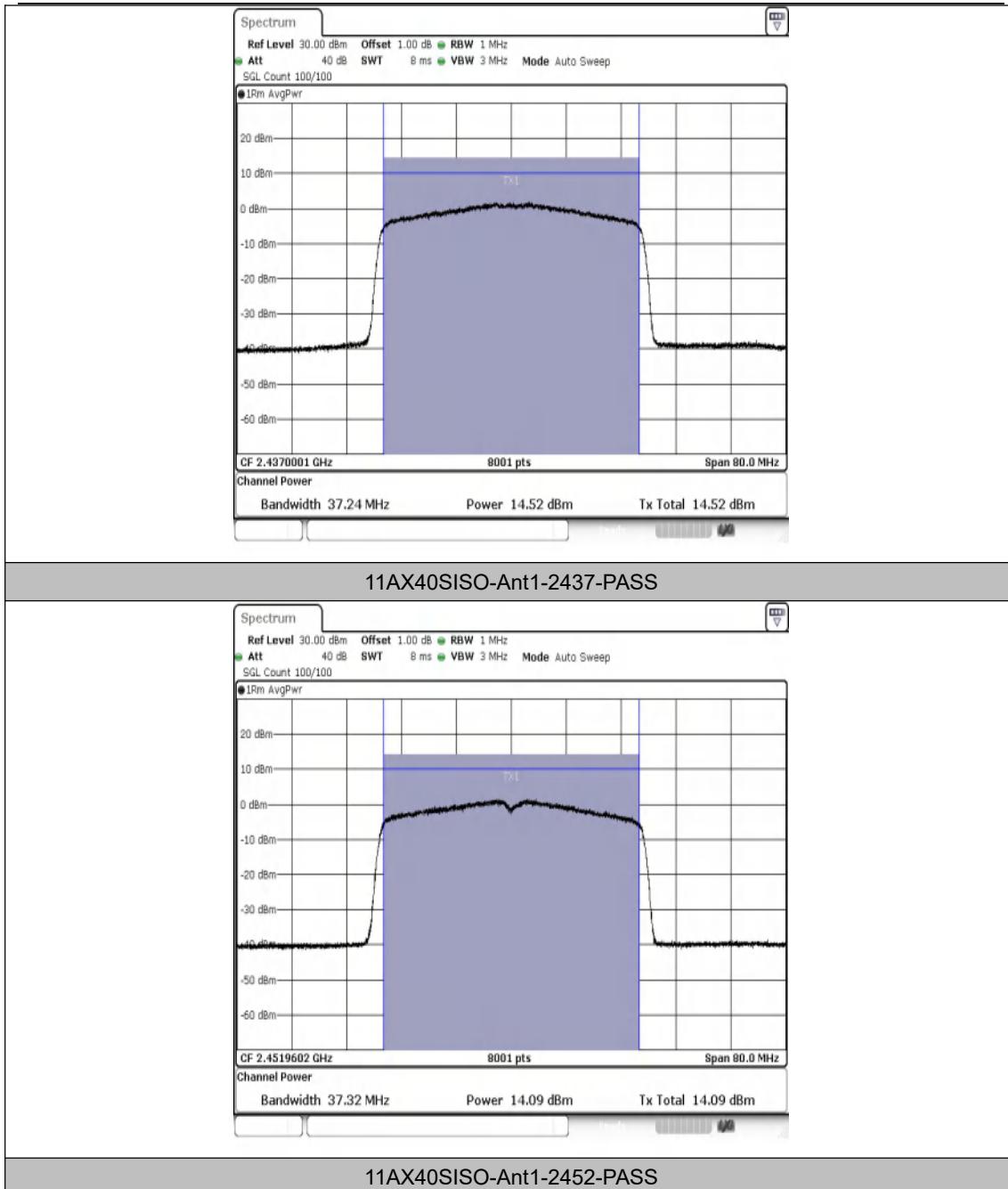
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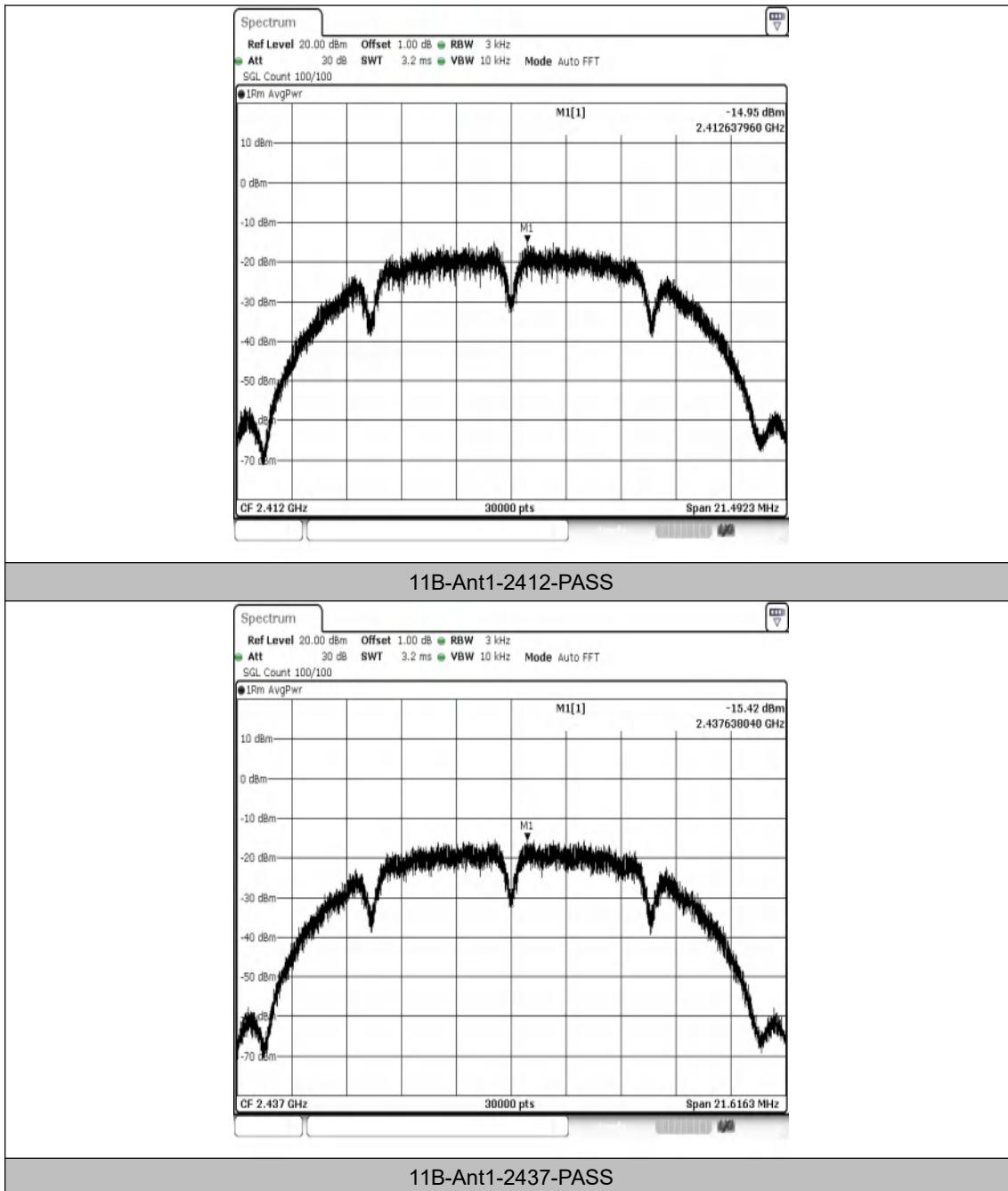
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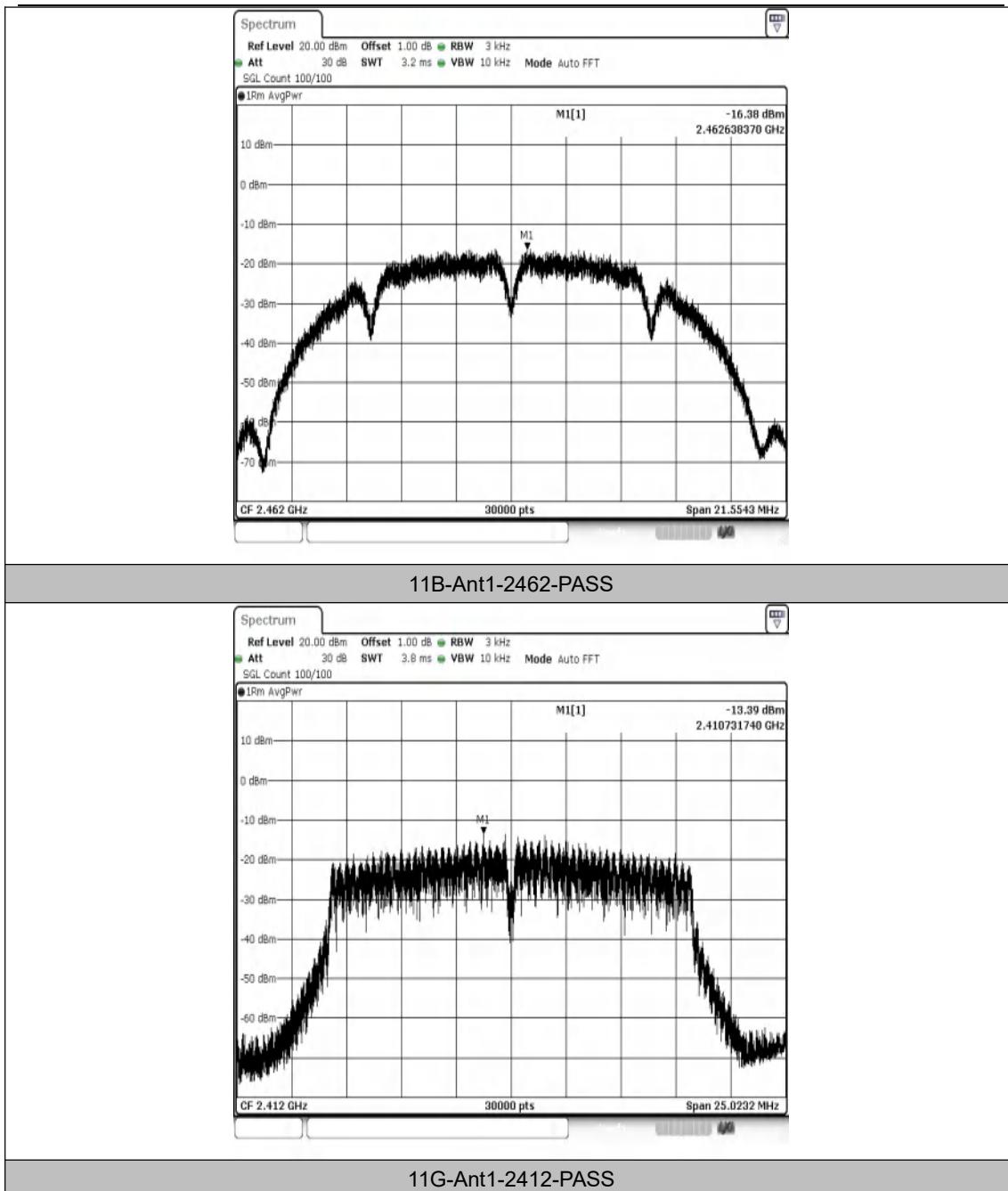
## Appendix D: Maximum power spectral density

### Test Result

Test Mode	Antenna	Frequency [MHz]	Reading Result [dBm/3kHz]	DC Factor [dB]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-14.95	0.00	-14.95	≤8.00	PASS
11B	Ant1	2437	-15.42	0.00	-15.42	≤8.00	PASS
11B	Ant1	2462	-16.38	0.00	-16.38	≤8.00	PASS
11G	Ant1	2412	-13.39	0.00	-13.39	≤8.00	PASS
11G	Ant1	2437	-13.39	0.00	-13.39	≤8.00	PASS
11G	Ant1	2462	-13.73	0.00	-13.73	≤8.00	PASS
11N20SISO	Ant1	2412	-11.94	0.00	-11.94	≤8.00	PASS
11N20SISO	Ant1	2437	-11.89	0.00	-11.89	≤8.00	PASS
11N20SISO	Ant1	2462	-12.46	0.00	-12.46	≤8.00	PASS
11N40SISO	Ant1	2422	-15.35	0.00	-15.35	≤8.00	PASS
11N40SISO	Ant1	2437	-15.39	0.00	-15.39	≤8.00	PASS
11N40SISO	Ant1	2452	-16.01	0.00	-16.01	≤8.00	PASS
11AX20SISO	Ant1	2412	-11.93	0.00	-11.93	≤8.00	PASS
11AX20SISO	Ant1	2437	-12.39	0.00	-12.39	≤8.00	PASS
11AX20SISO	Ant1	2462	-12.65	0.00	-12.65	≤8.00	PASS
11AX40SISO	Ant1	2422	-15.21	0.00	-15.21	≤8.00	PASS
11AX40SISO	Ant1	2437	-6.4	0.00	-6.40	≤8.00	PASS
11AX40SISO	Ant1	2452	-15.17	0.00	-15.17	≤8.00	PASS

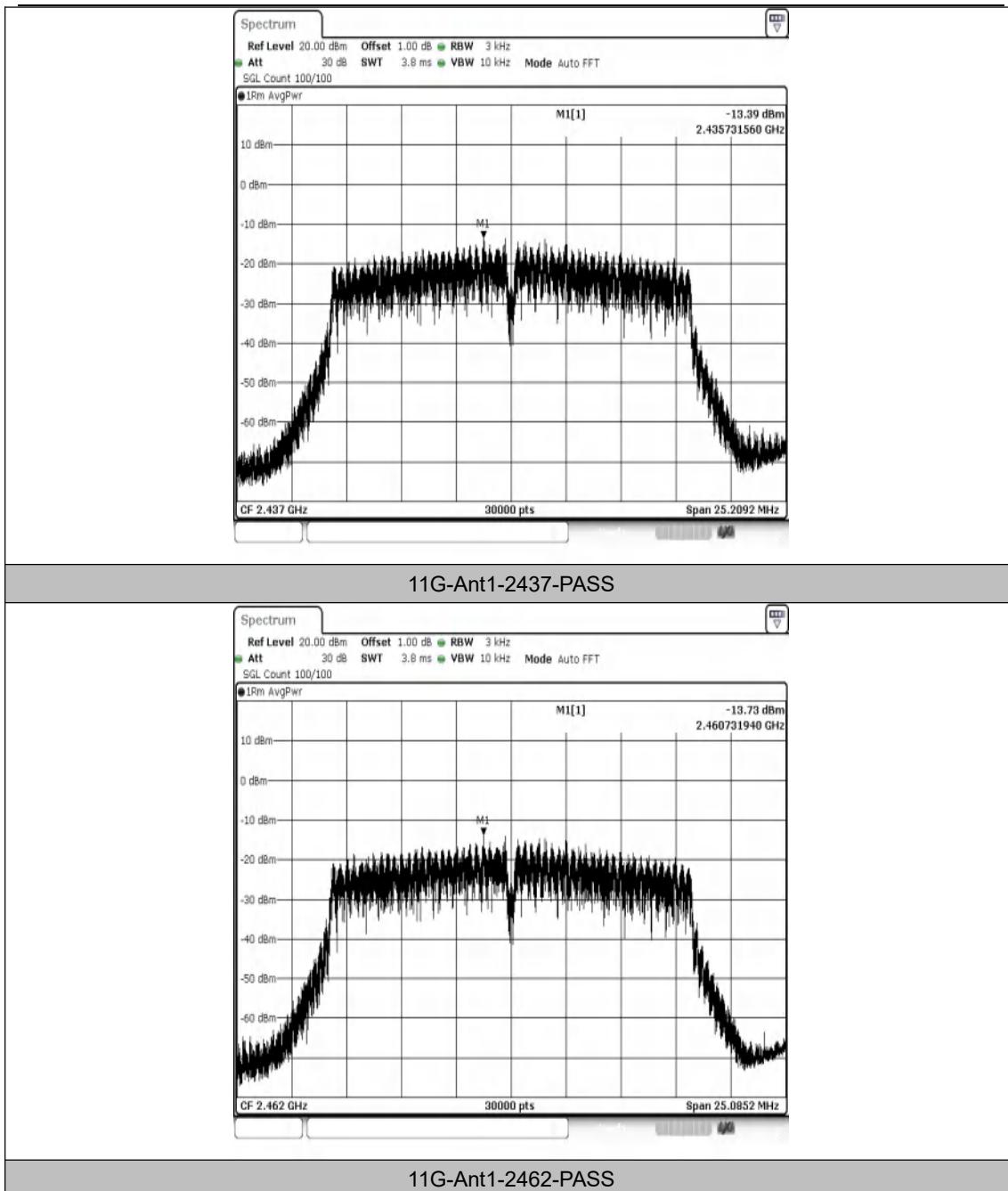
Note: 1. The cable loss are compensated in the graph.

**Test Graphs**

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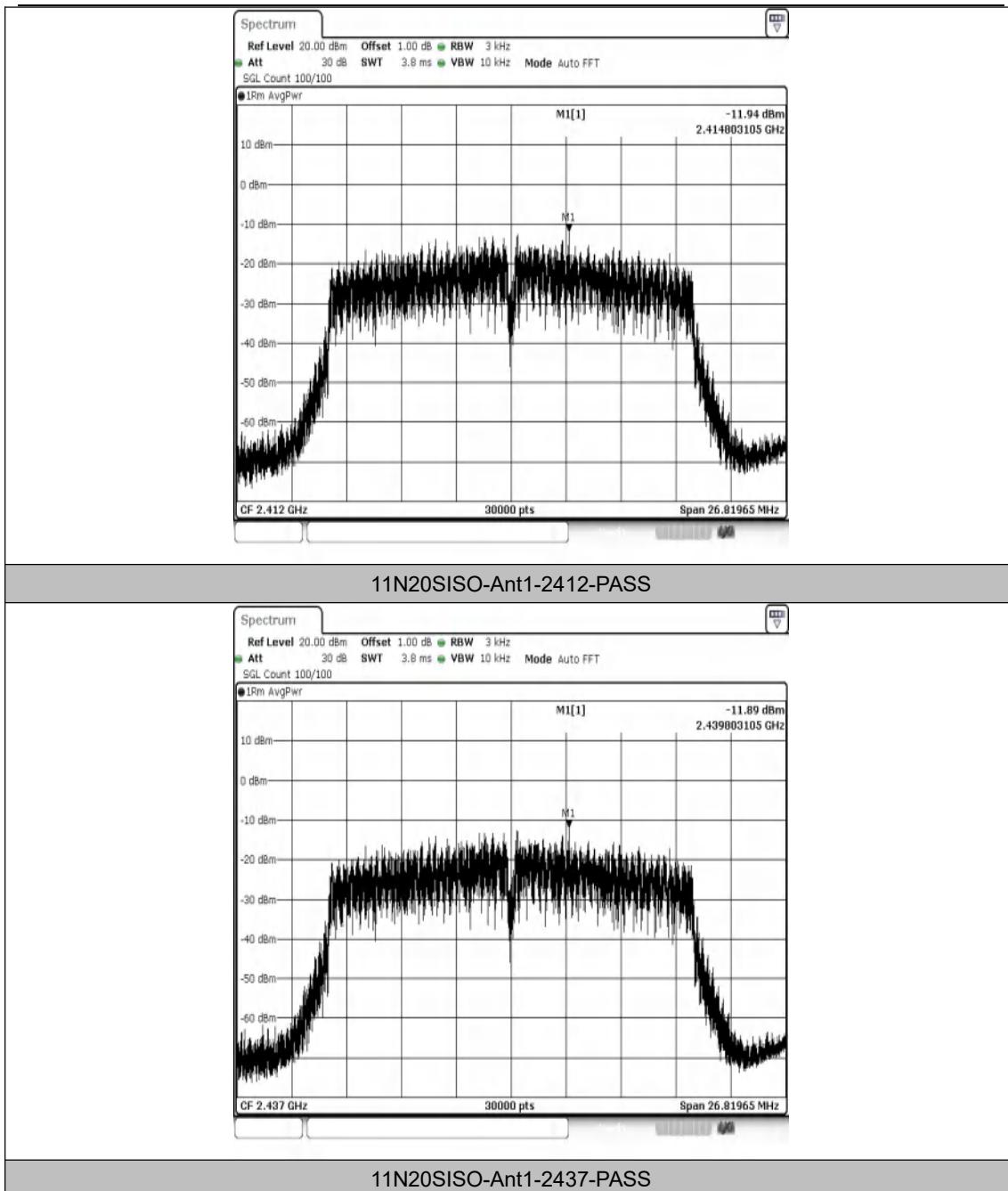
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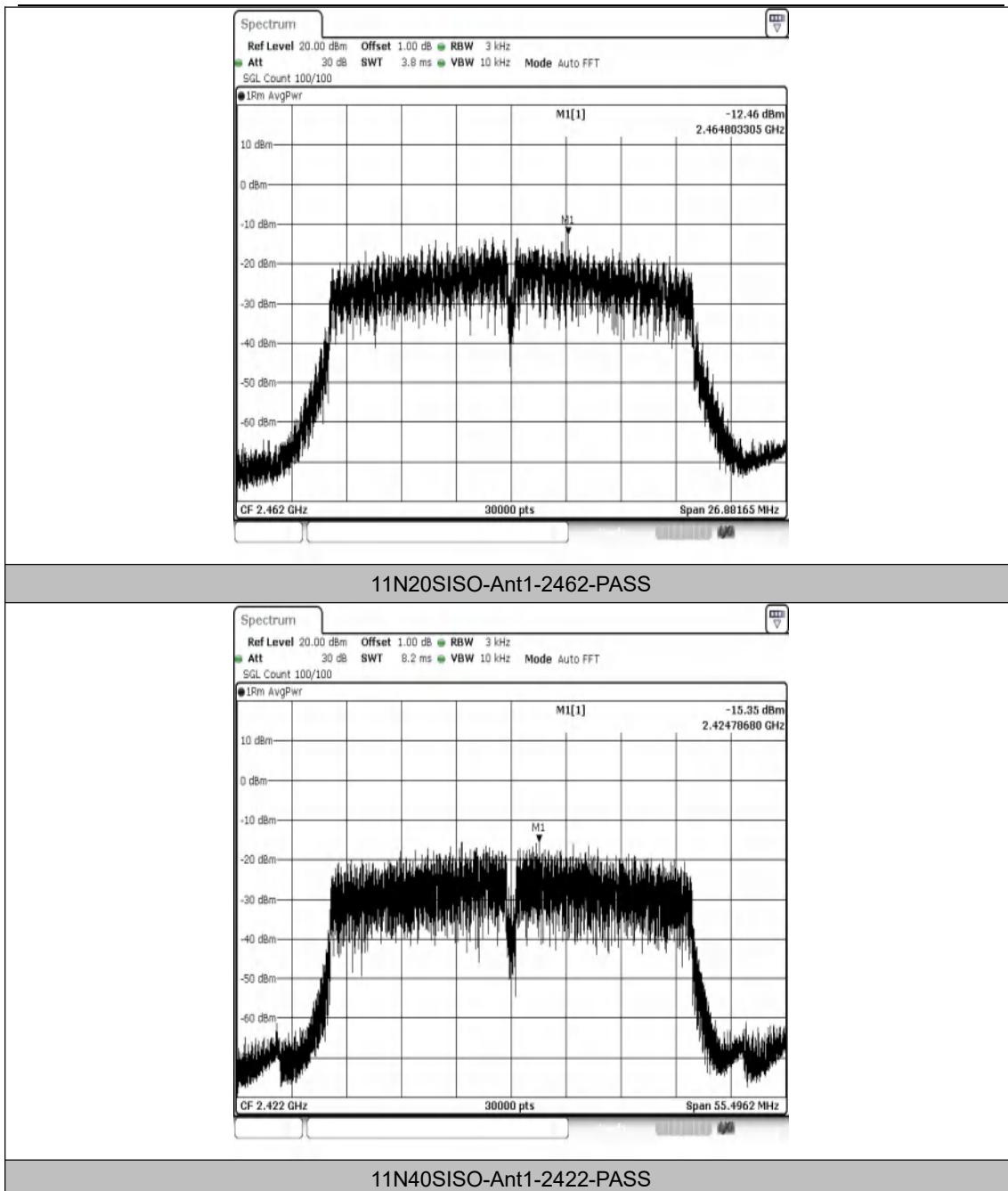
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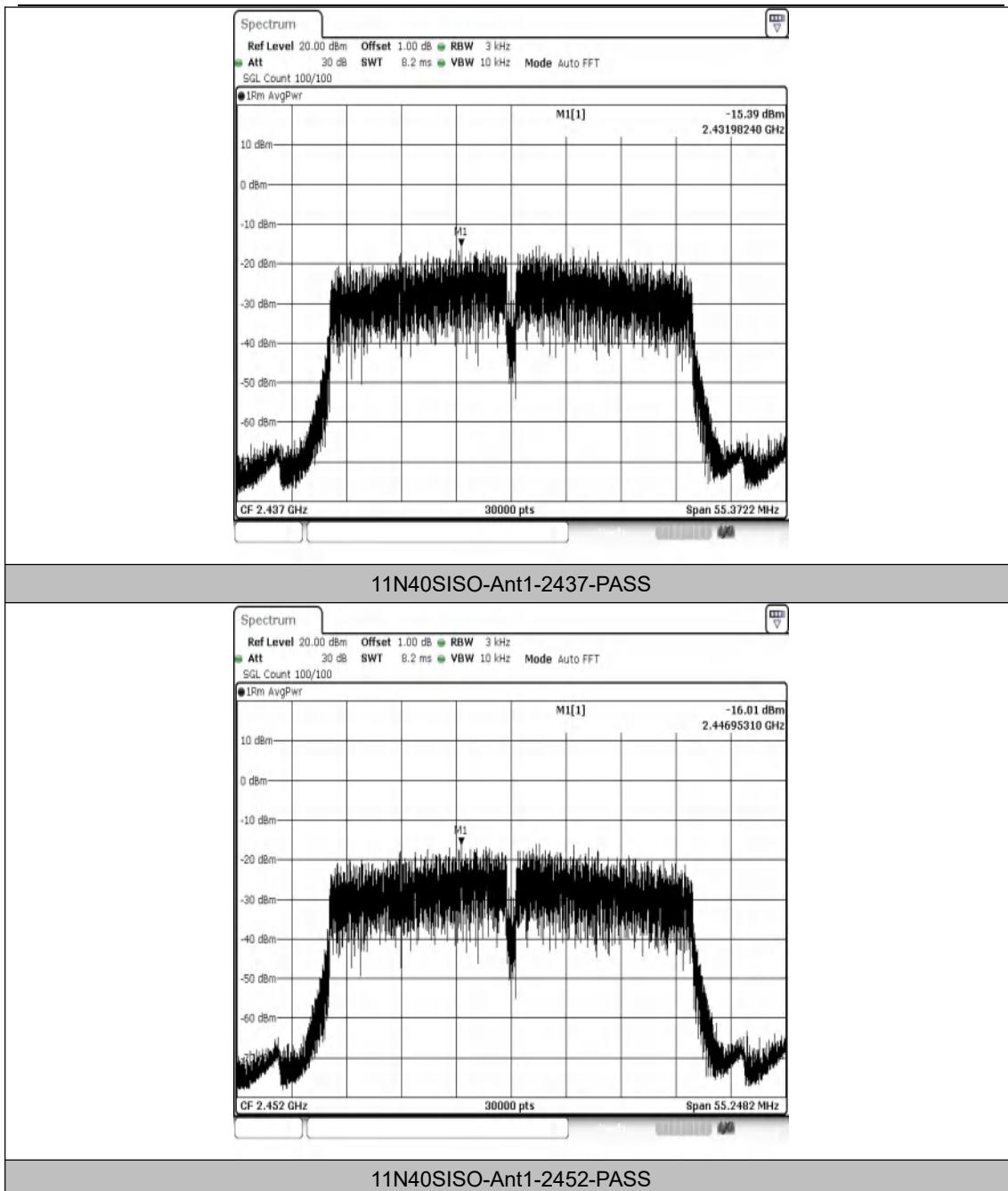
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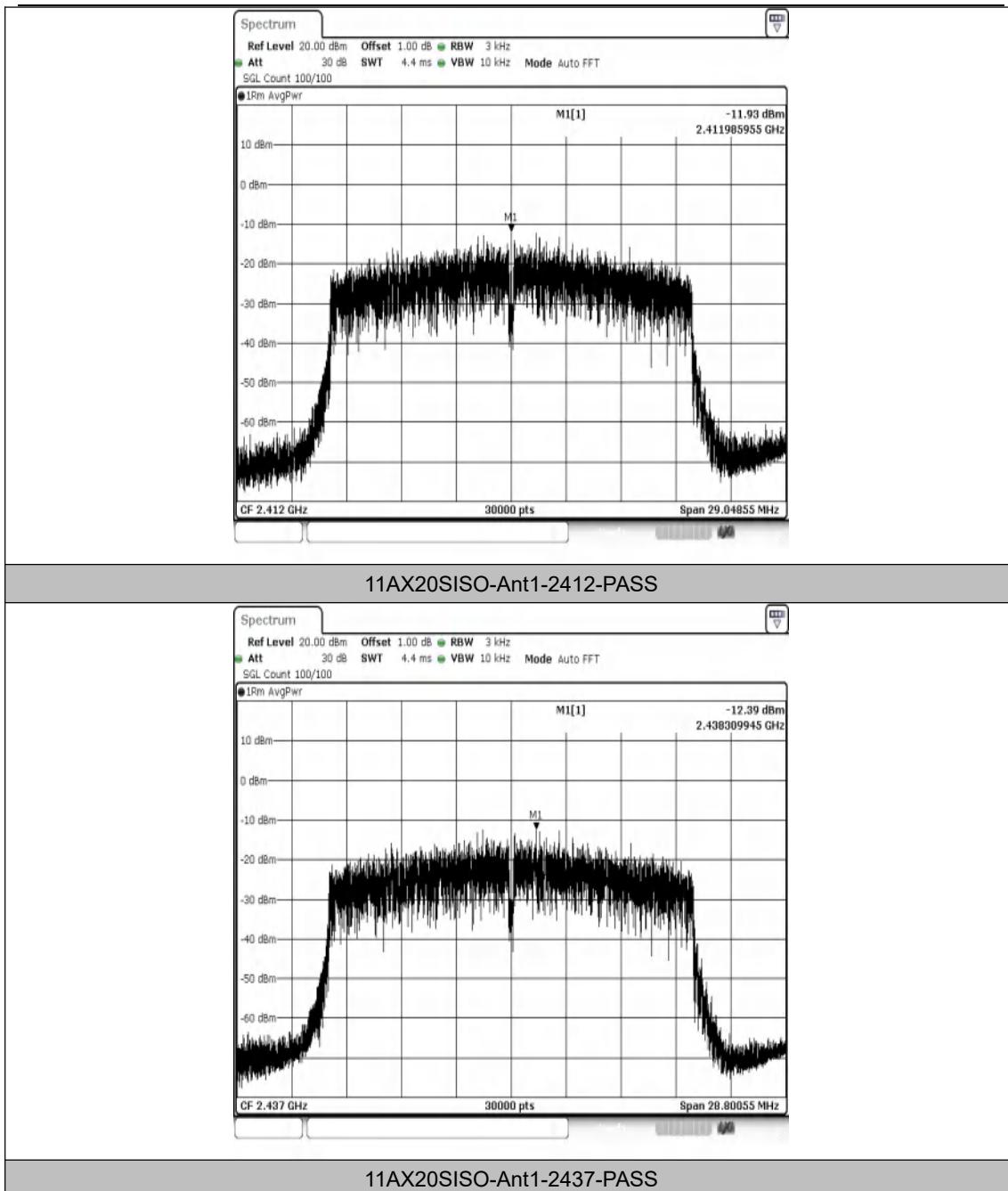
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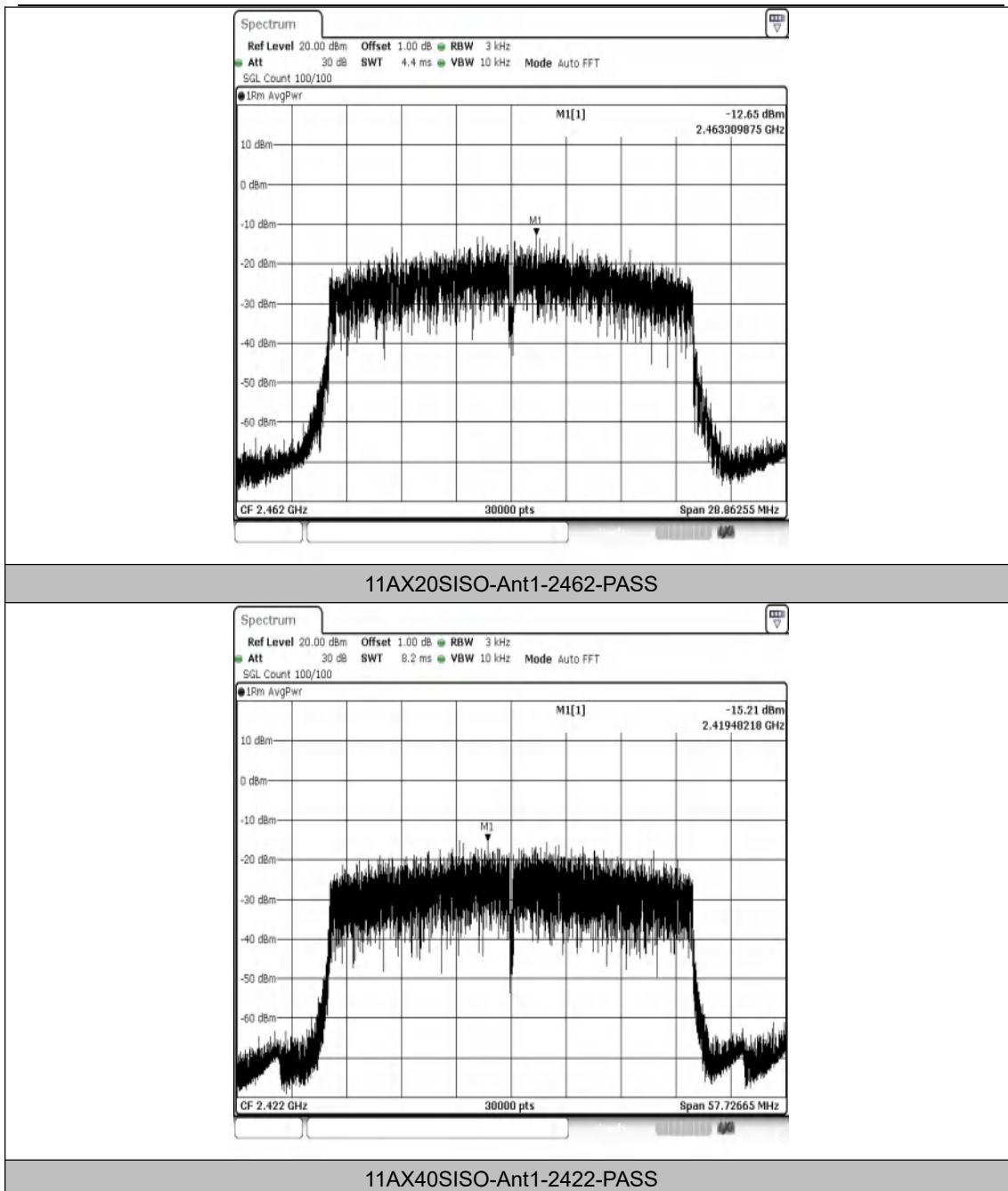
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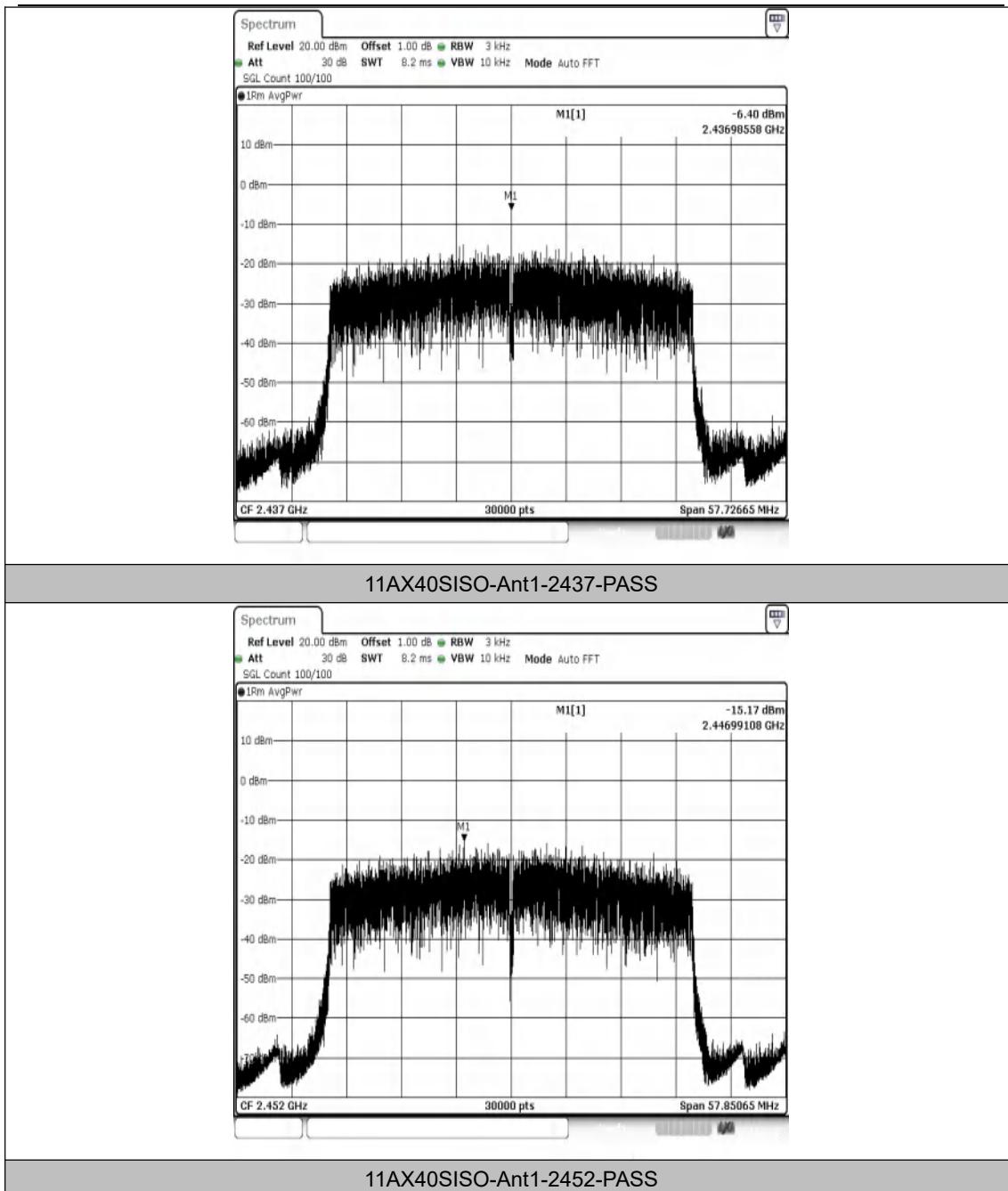
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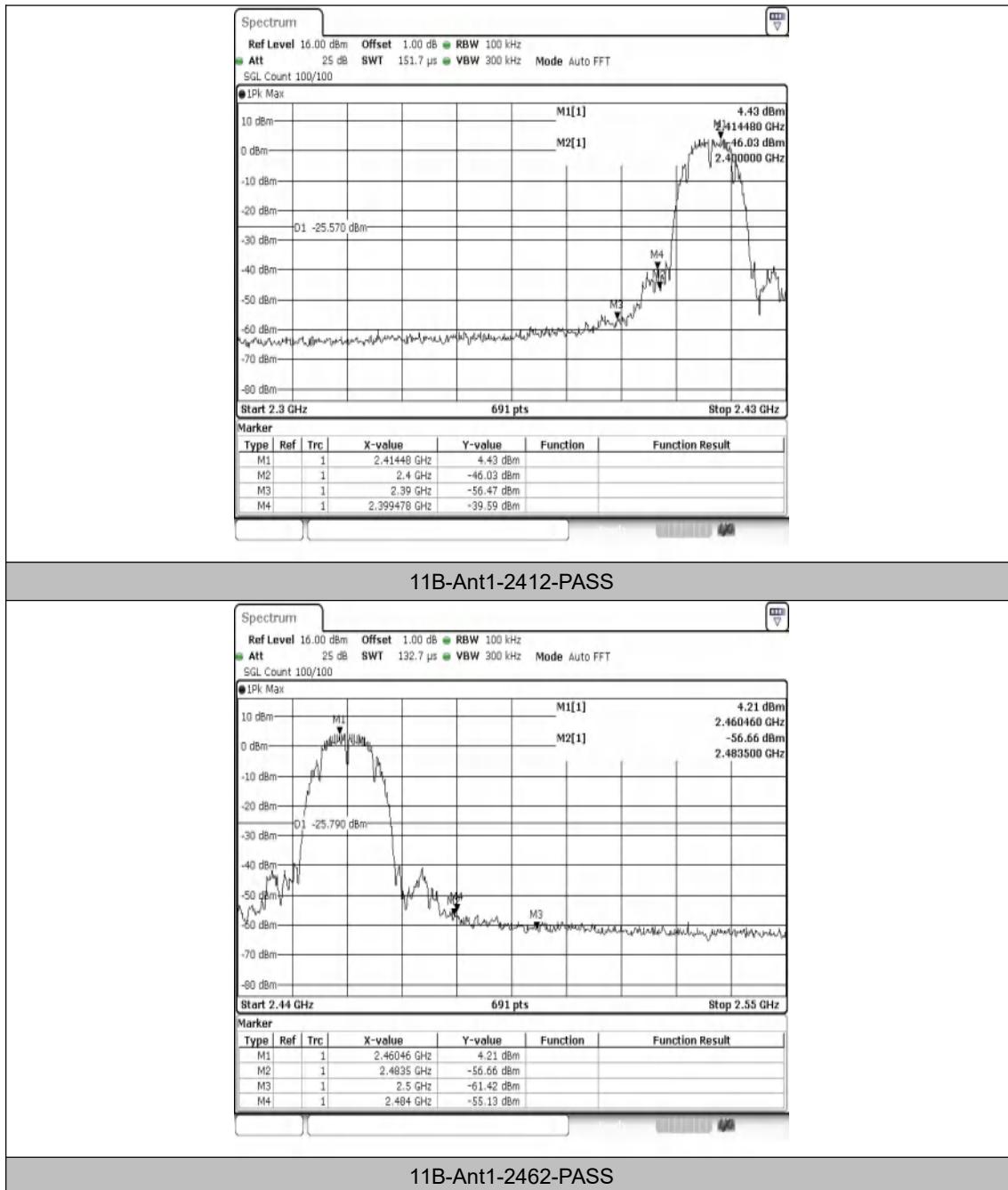
## Appendix E: Conducted Band edge

### Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.43	-39.59	≤-25.57	PASS
11B	Ant1	High	2462	4.21	-55.13	≤-25.79	PASS
11G	Ant1	Low	2412	4.20	-45.3	≤-25.8	PASS
11G	Ant1	High	2462	4.47	-53.1	≤-25.53	PASS
11N20SISO	Ant1	Low	2412	4.25	-43.37	≤-25.75	PASS
11N20SISO	Ant1	High	2462	4.04	-52.37	≤-25.96	PASS
11N40SISO	Ant1	Low	2422	2.25	-44.56	≤-27.75	PASS
11N40SISO	Ant1	High	2452	1.02	-45.38	≤-28.98	PASS
11AX20SISO	Ant1	Low	2412	4.44	-42.97	≤-25.56	PASS
11AX20SISO	Ant1	High	2462	3.53	-51.6	≤-26.47	PASS
11AX40SISO	Ant1	Low	2422	1.95	-44.45	≤-28.05	PASS
11AX40SISO	Ant1	High	2452	1.53	-44.88	≤-28.47	PASS

Remark:1. Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'offset' of the Spectrum Analyzer during the test.

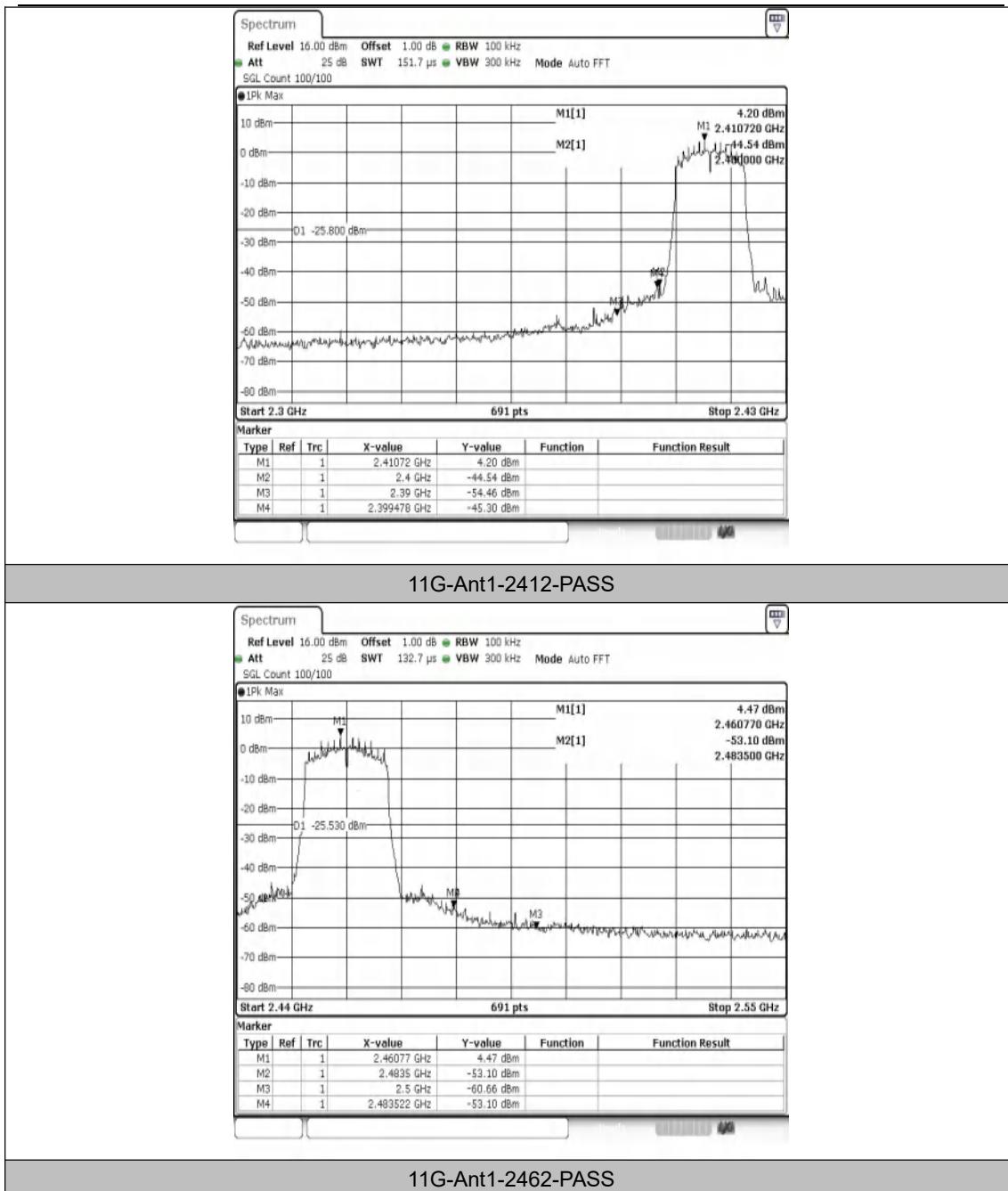
## Test Graphs



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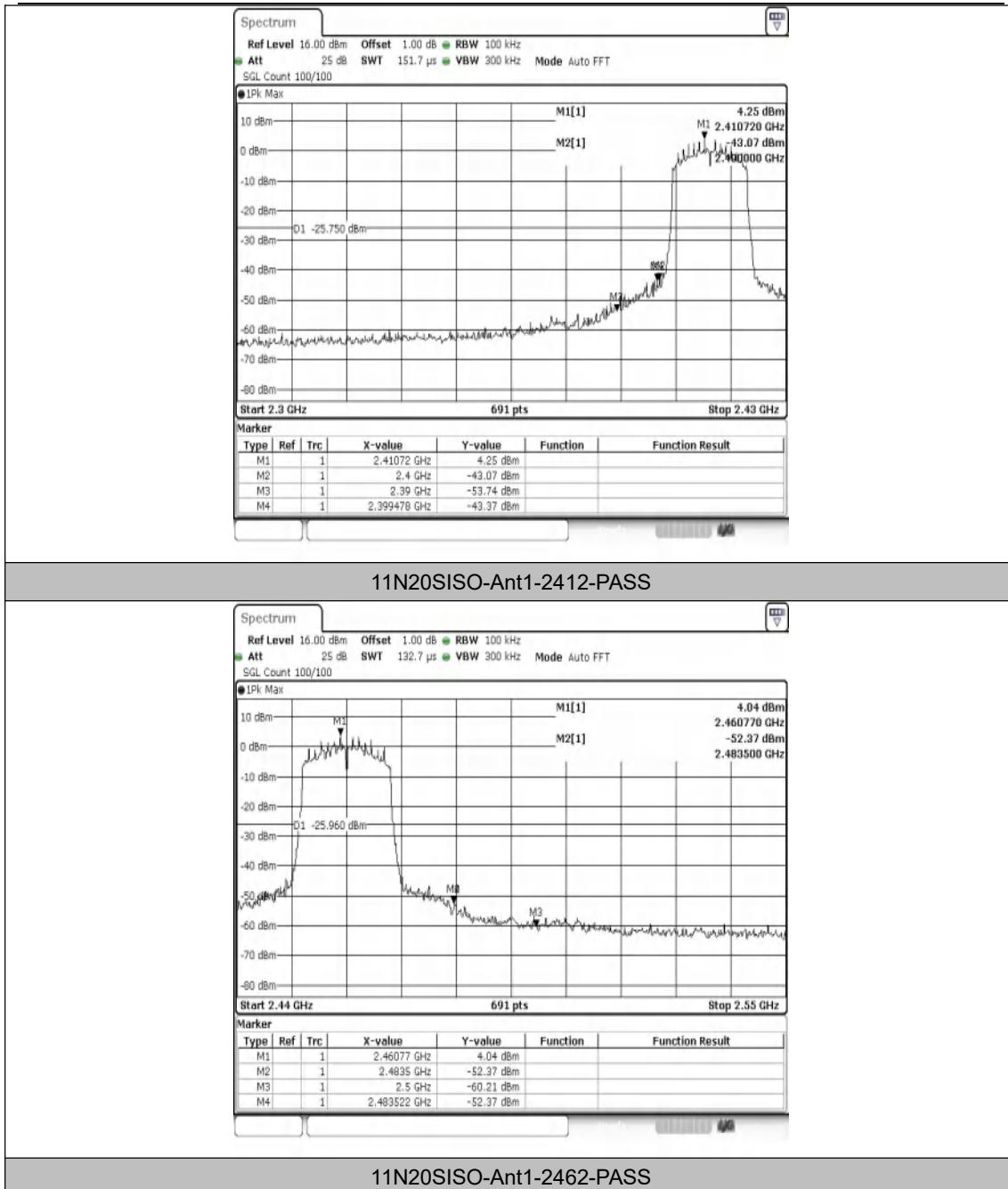
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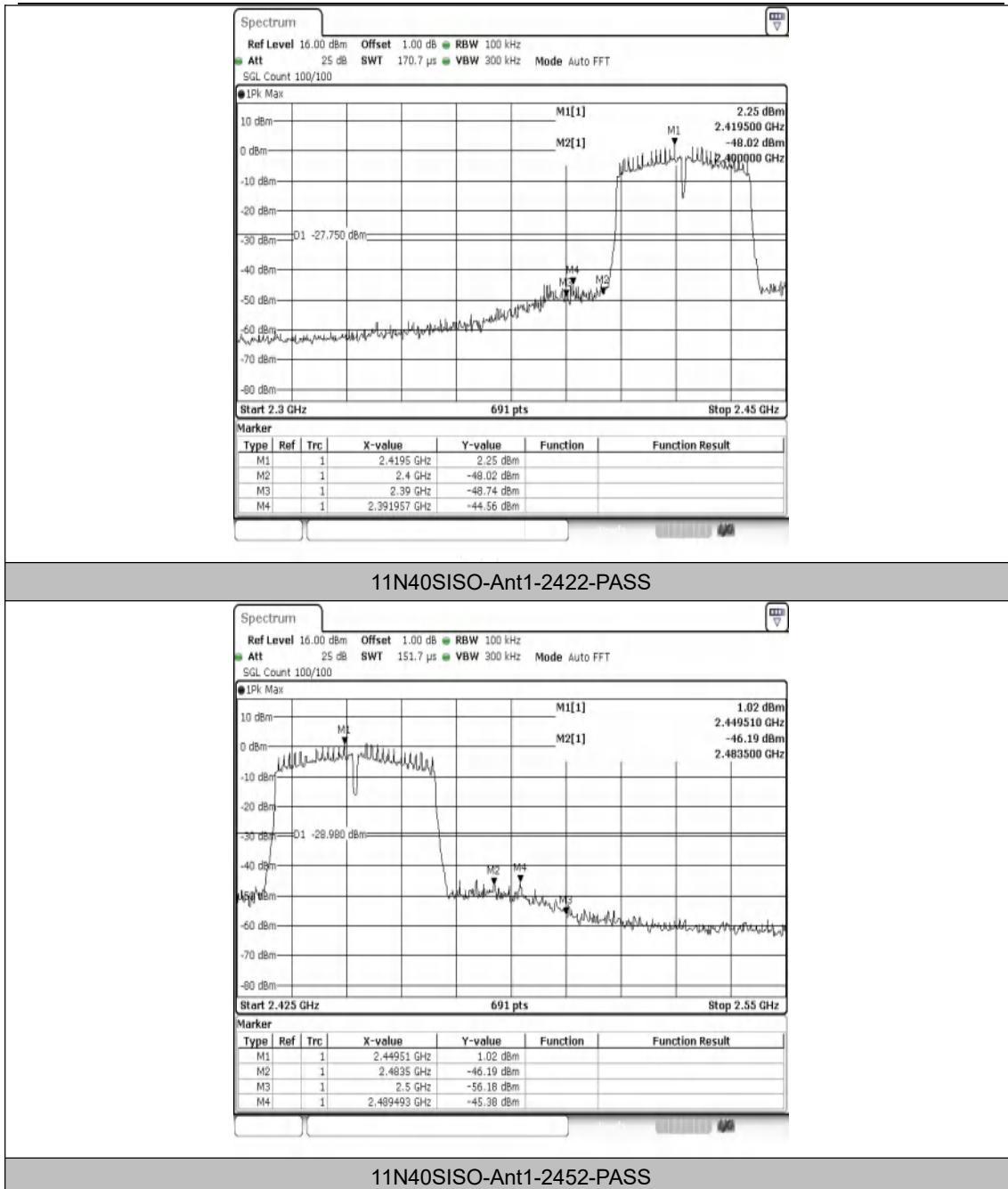
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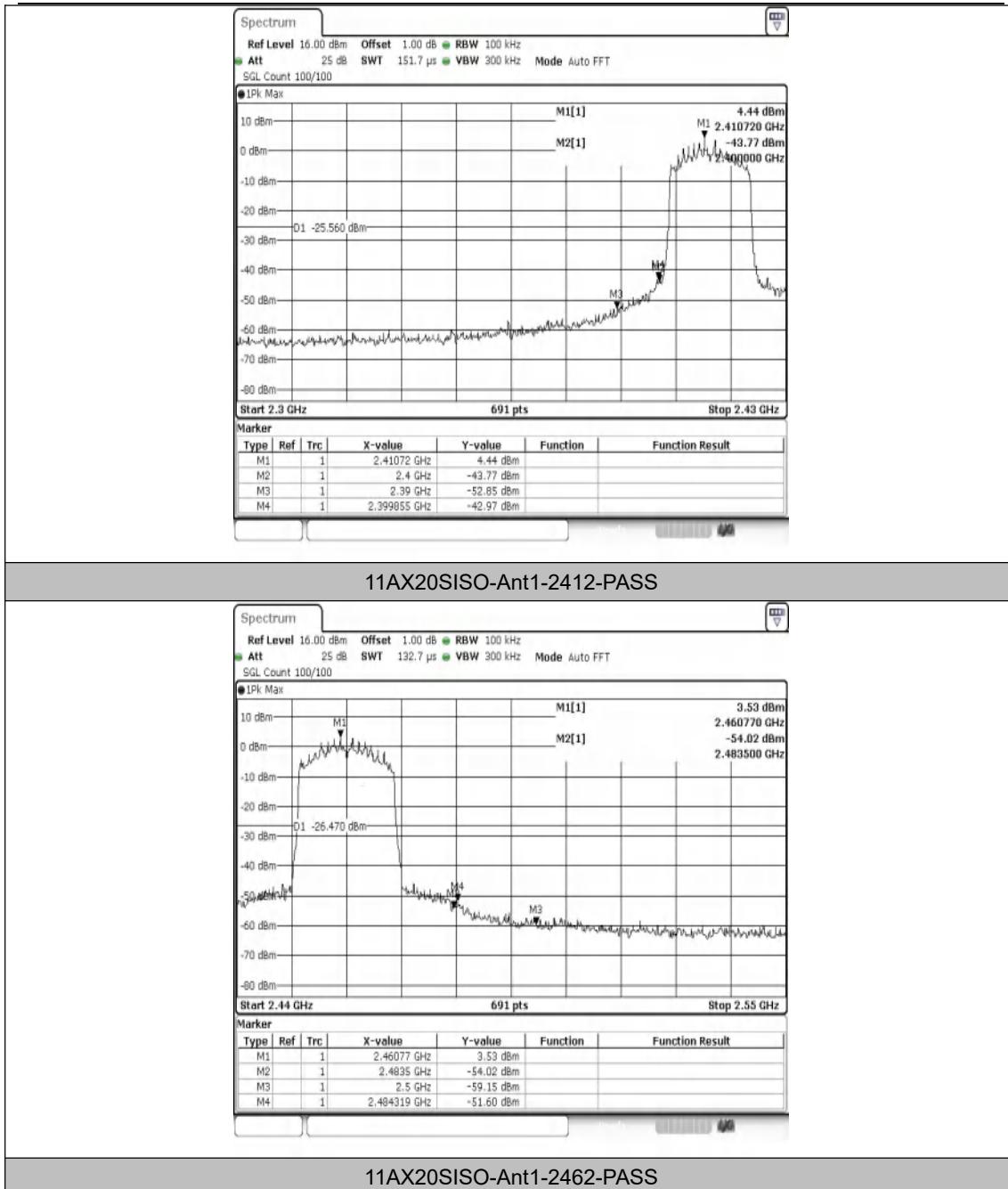
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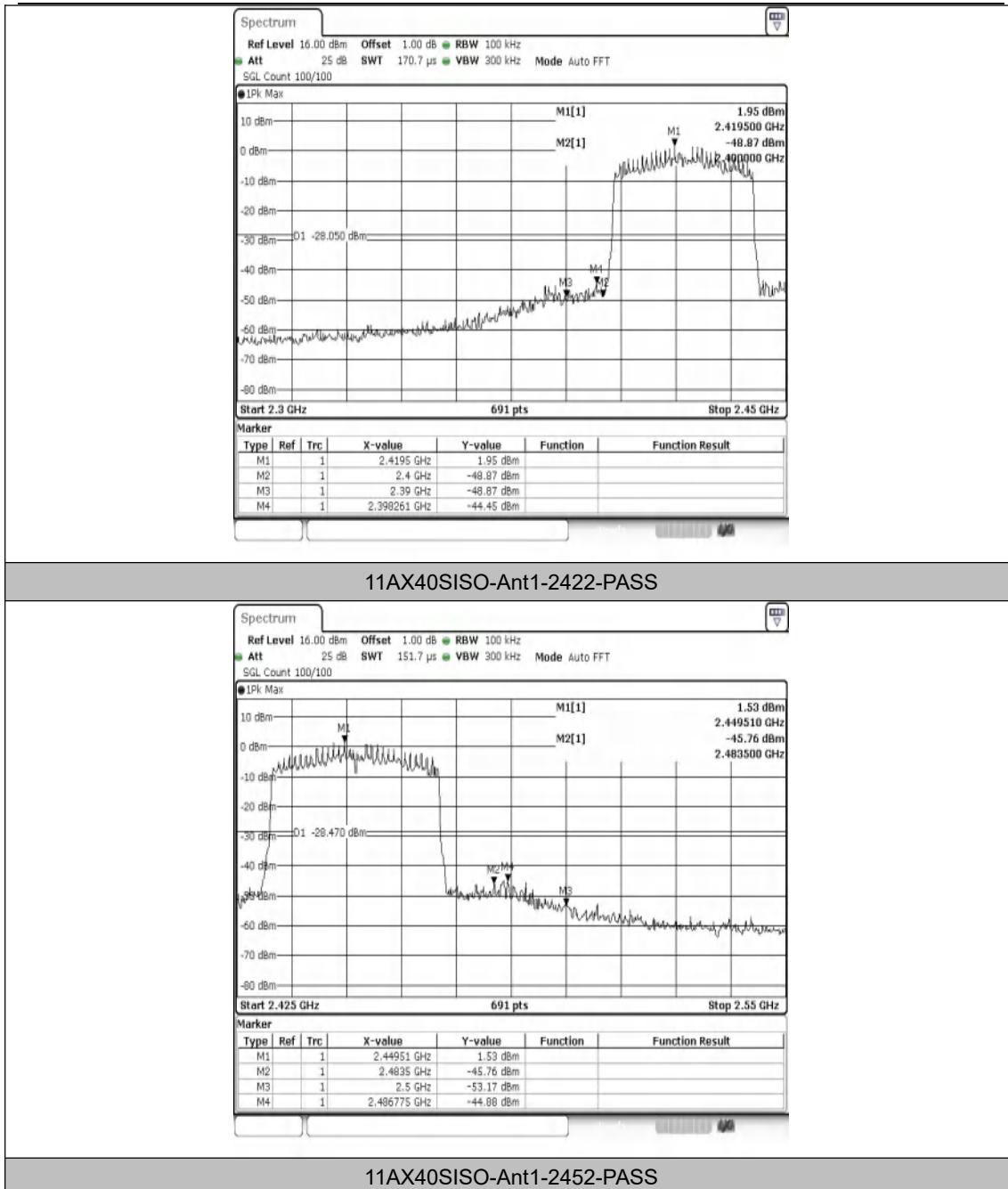
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## Appendix F: Conducted Spurious Emission

### Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [Mhz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	4.31	4.31	---	PASS
11B	Ant1	2412	30~1000	4.31	-62.73	≤-25.69	PASS
11B	Ant1	2412	1000~26500	4.31	-47.58	≤-25.69	PASS
11B	Ant1	2437	0~Reference	4.08	4.08	---	PASS
11B	Ant1	2437	30~1000	4.08	-68.39	≤-25.92	PASS
11B	Ant1	2437	1000~26500	4.08	-48.48	≤-25.92	PASS
11B	Ant1	2462	0~Reference	4.28	4.28	---	PASS
11B	Ant1	2462	30~1000	4.28	-68.71	≤-25.72	PASS
11B	Ant1	2462	1000~26500	4.28	-50.74	≤-25.72	PASS
11G	Ant1	2412	0~Reference	4.40	4.40	---	PASS
11G	Ant1	2412	30~1000	4.40	-69.21	≤-25.6	PASS
11G	Ant1	2412	1000~26500	4.40	-54.94	≤-25.6	PASS
11G	Ant1	2437	0~Reference	4.60	4.60	---	PASS
11G	Ant1	2437	30~1000	4.60	-68.53	≤-25.4	PASS
11G	Ant1	2437	1000~26500	4.60	-53.51	≤-25.4	PASS
11G	Ant1	2462	0~Reference	3.86	3.86	---	PASS
11G	Ant1	2462	30~1000	3.86	-69.09	≤-26.14	PASS
11G	Ant1	2462	1000~26500	3.86	-54.5	≤-26.14	PASS
11N20SISO	Ant1	2412	0~Reference	4.33	4.33	---	PASS
11N20SISO	Ant1	2412	30~1000	4.33	-69.34	≤-25.67	PASS
11N20SISO	Ant1	2412	1000~26500	4.33	-52.64	≤-25.67	PASS
11N20SISO	Ant1	2437	0~Reference	4.81	4.81	---	PASS
11N20SISO	Ant1	2437	30~1000	4.81	-69.25	≤-25.19	PASS
11N20SISO	Ant1	2437	1000~26500	4.81	-55.01	≤-25.19	PASS
11N20SISO	Ant1	2462	0~Reference	4.17	4.17	---	PASS
11N20SISO	Ant1	2462	30~1000	4.17	-63.8	≤-25.83	PASS
11N20SISO	Ant1	2462	1000~26500	4.17	-54.08	≤-25.83	PASS
11N40SISO	Ant1	2422	0~Reference	1.61	1.61	---	PASS
11N40SISO	Ant1	2422	30~1000	1.61	-69.63	≤-28.39	PASS
11N40SISO	Ant1	2422	1000~26500	1.61	-54.43	≤-28.39	PASS
11N40SISO	Ant1	2437	0~Reference	1.65	1.65	---	PASS
11N40SISO	Ant1	2437	30~1000	1.65	-69.16	≤-28.35	PASS
11N40SISO	Ant1	2437	1000~26500	1.65	-54.17	≤-28.35	PASS
11N40SISO	Ant1	2452	0~Reference	1.78	1.78	---	PASS
11N40SISO	Ant1	2452	30~1000	1.78	-63.49	≤-28.22	PASS
11N40SISO	Ant1	2452	1000~26500	1.78	-54.39	≤-28.22	PASS

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11AX20SISO	Ant1	2412	0~Reference	4.57	4.57	---	PASS
11AX20SISO	Ant1	2412	30~1000	4.57	-68.89	$\leq$ 25.43	PASS
11AX20SISO	Ant1	2412	1000~26500	4.57	-54.74	$\leq$ 25.43	PASS
11AX20SISO	Ant1	2437	0~Reference	4.67	4.67	---	PASS
11AX20SISO	Ant1	2437	30~1000	4.67	-69.27	$\leq$ 25.33	PASS
11AX20SISO	Ant1	2437	1000~26500	4.67	-54.48	$\leq$ 25.33	PASS
11AX20SISO	Ant1	2462	0~Reference	3.99	3.99	---	PASS
11AX20SISO	Ant1	2462	30~1000	3.99	-68.25	$\leq$ 26.01	PASS
11AX20SISO	Ant1	2462	1000~26500	3.99	-54.89	$\leq$ 26.01	PASS
11AX40SISO	Ant1	2422	0~Reference	1.82	1.82	---	PASS
11AX40SISO	Ant1	2422	30~1000	1.82	-68.72	$\leq$ 28.18	PASS
11AX40SISO	Ant1	2422	1000~26500	1.82	-54.5	$\leq$ 28.18	PASS
11AX40SISO	Ant1	2437	0~Reference	2.00	2.00	---	PASS
11AX40SISO	Ant1	2437	30~1000	2.00	-68.33	$\leq$ 28	PASS
11AX40SISO	Ant1	2437	1000~26500	2.00	-54.68	$\leq$ 28	PASS
11AX40SISO	Ant1	2452	0~Reference	1.03	1.03	---	PASS
11AX40SISO	Ant1	2452	30~1000	1.03	-68.23	$\leq$ 28.97	PASS
11AX40SISO	Ant1	2452	1000~26500	1.03	-54.38	$\leq$ 28.97	PASS

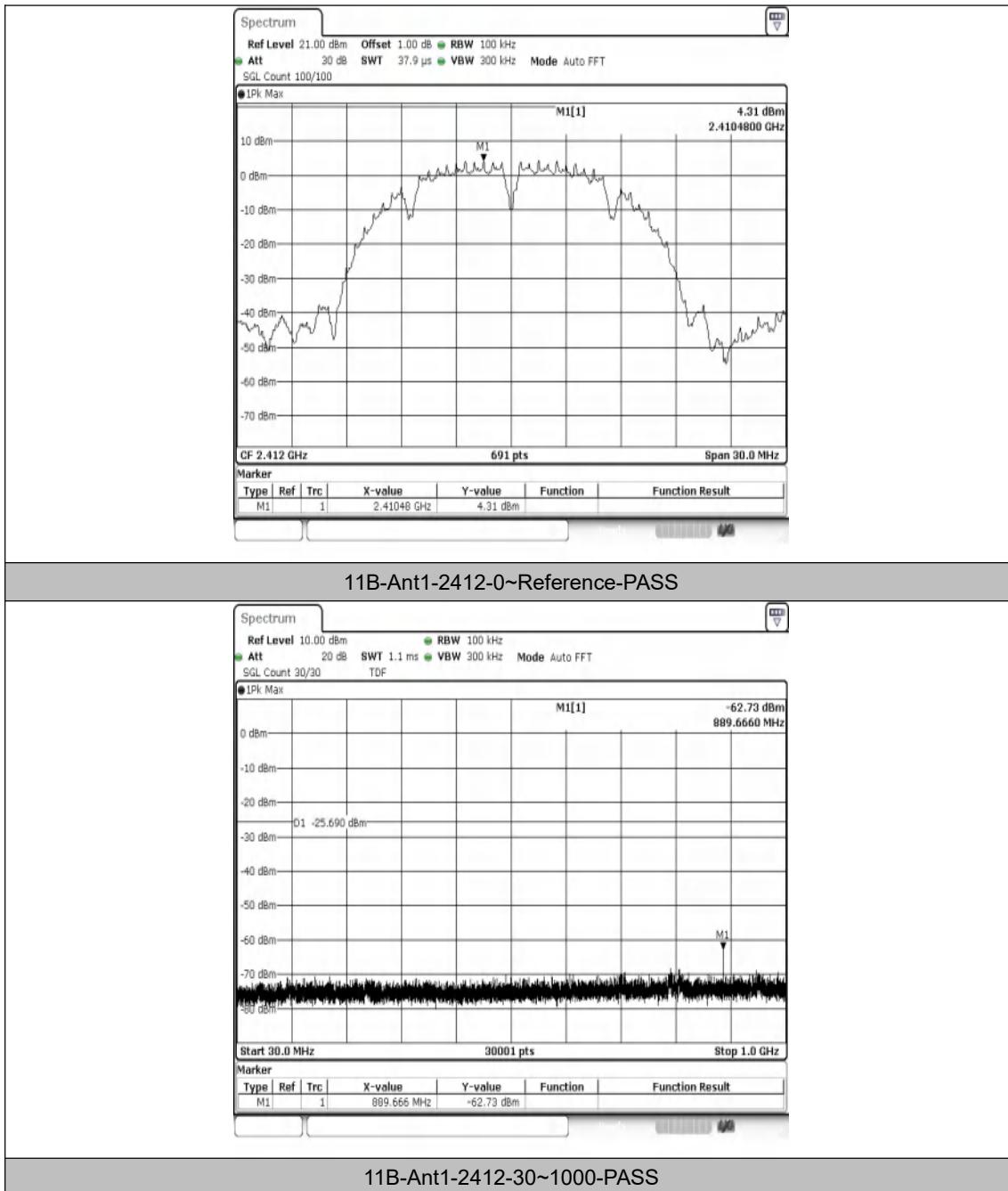
Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable loss have been set in the 'TDF' of the Spectrum Analyzer during the test.

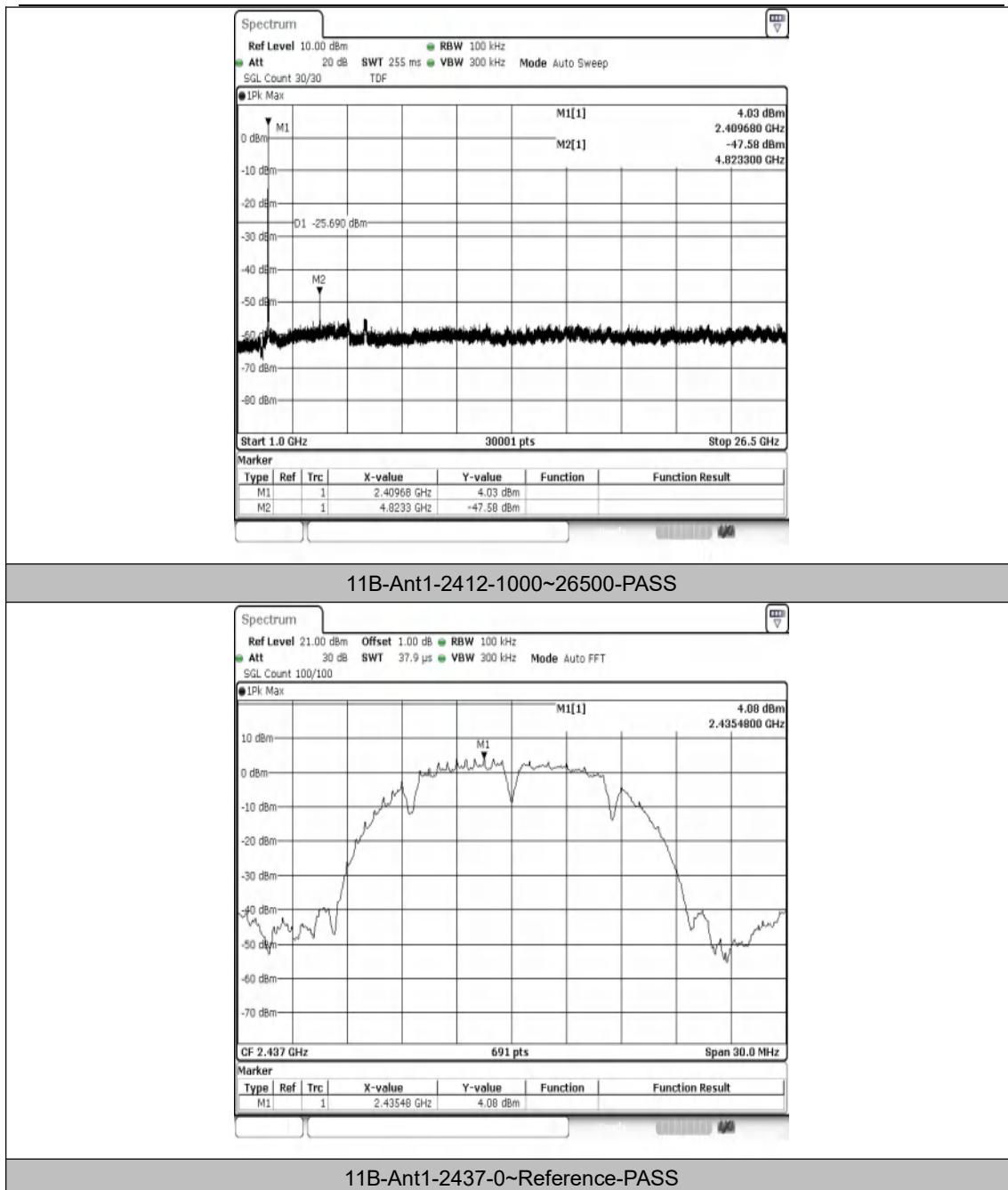
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## Test Graphs

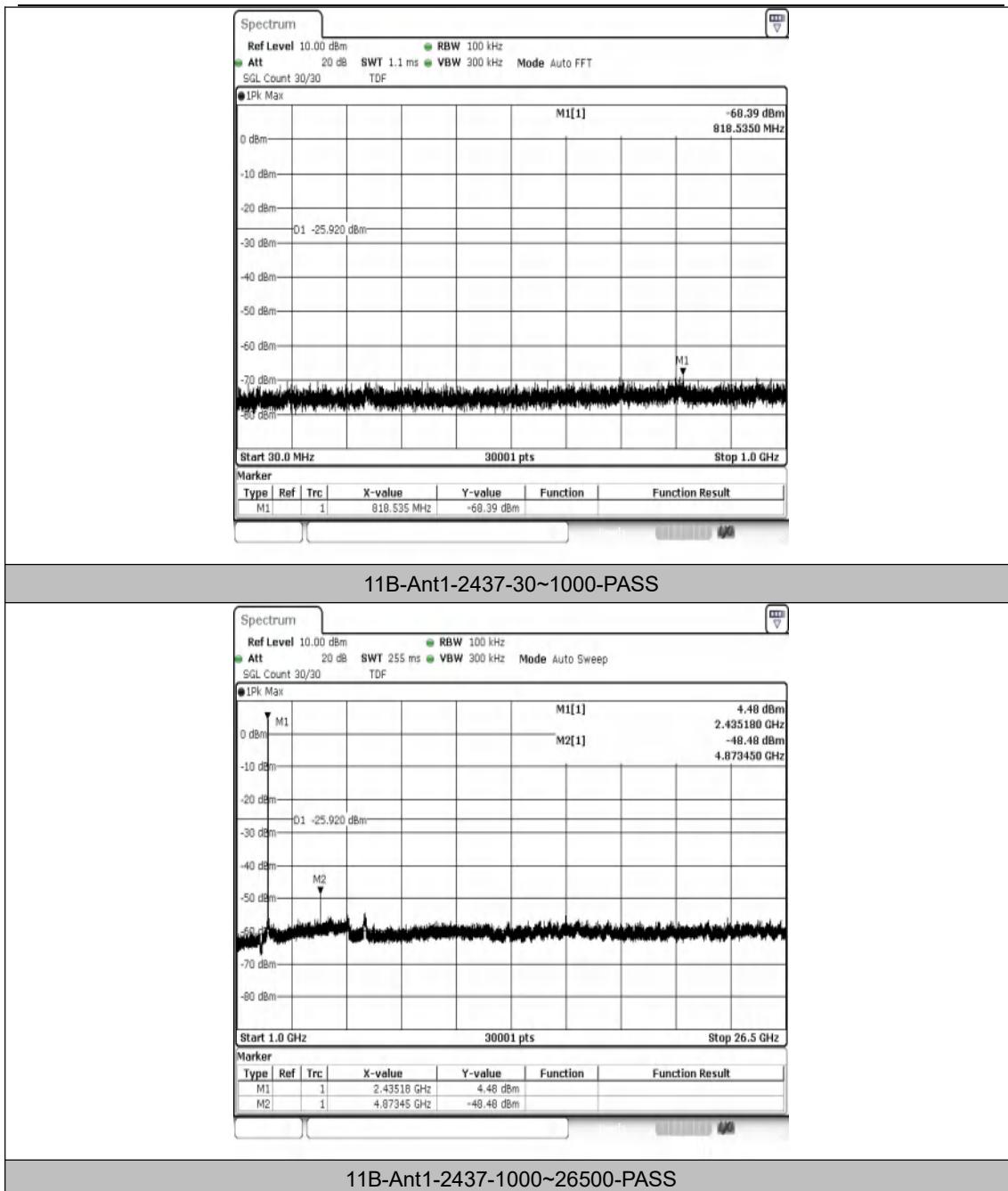




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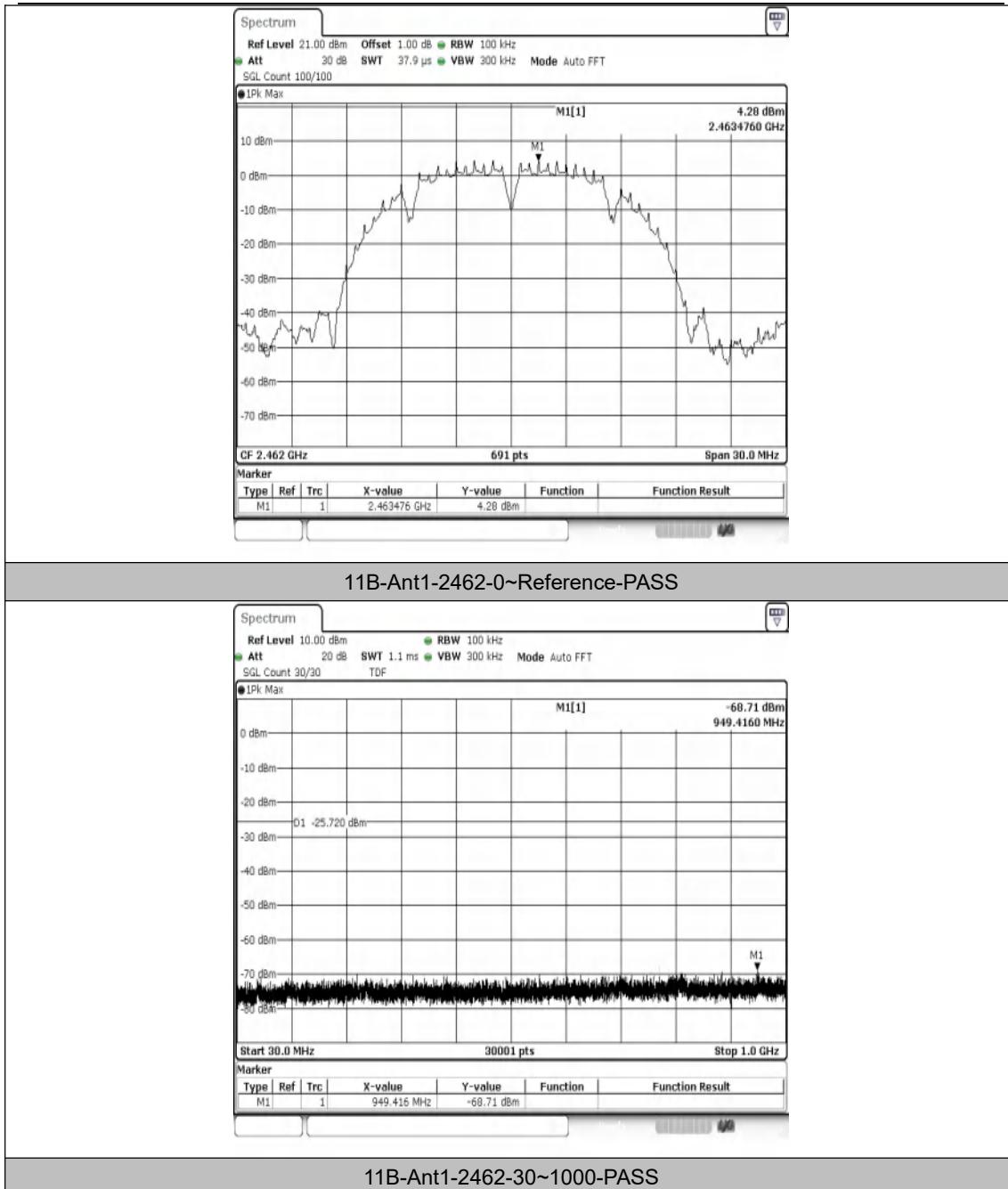
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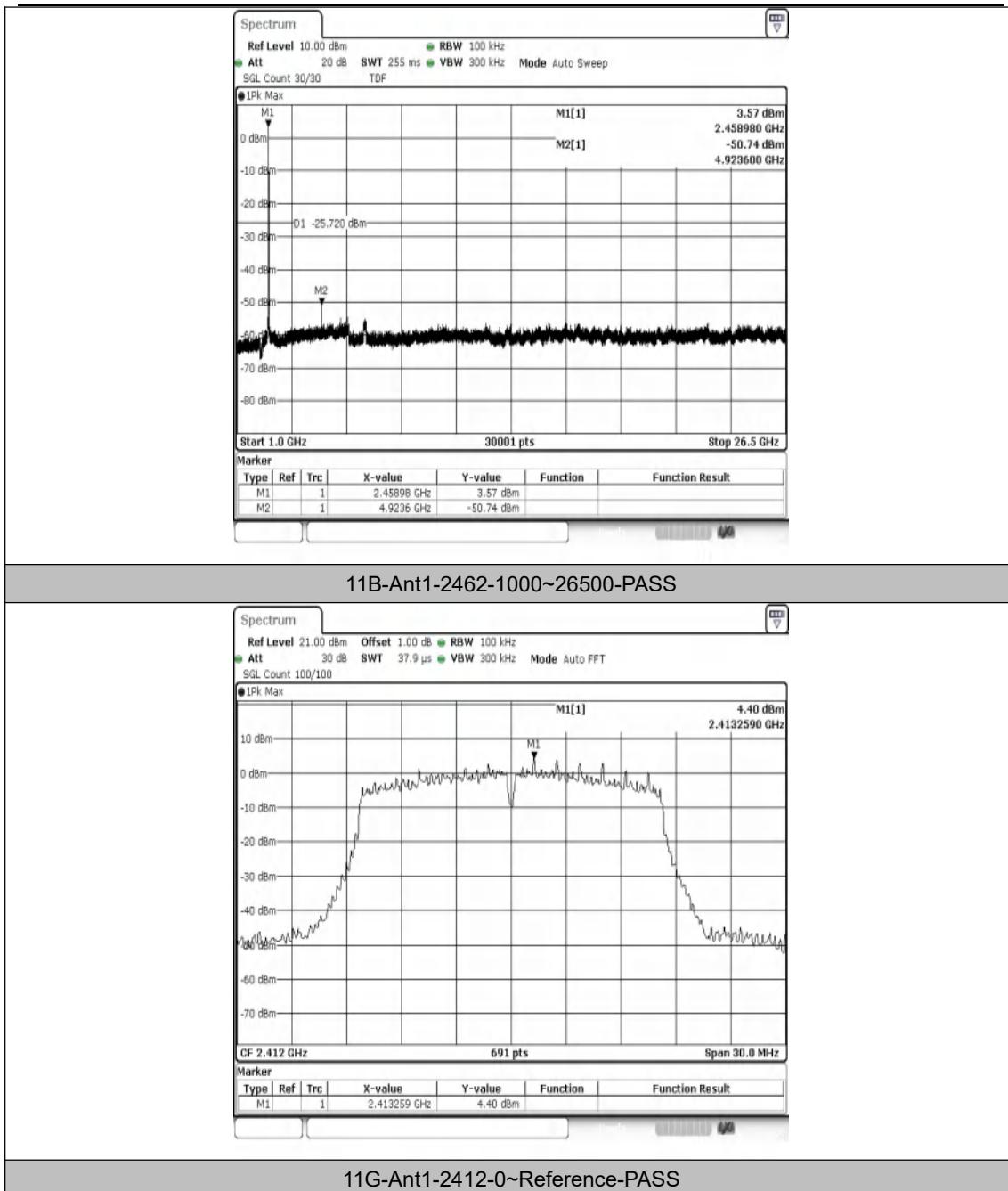
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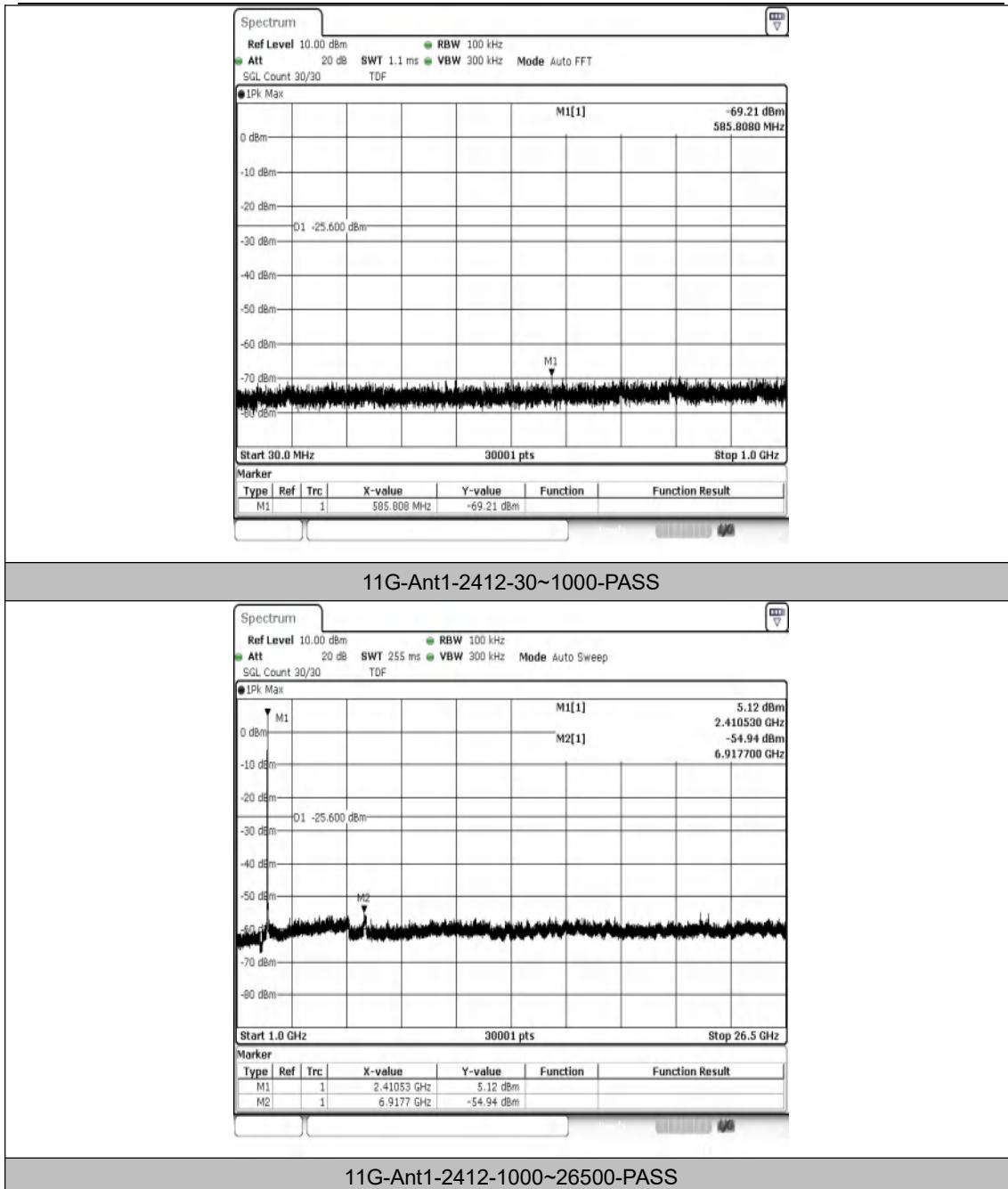
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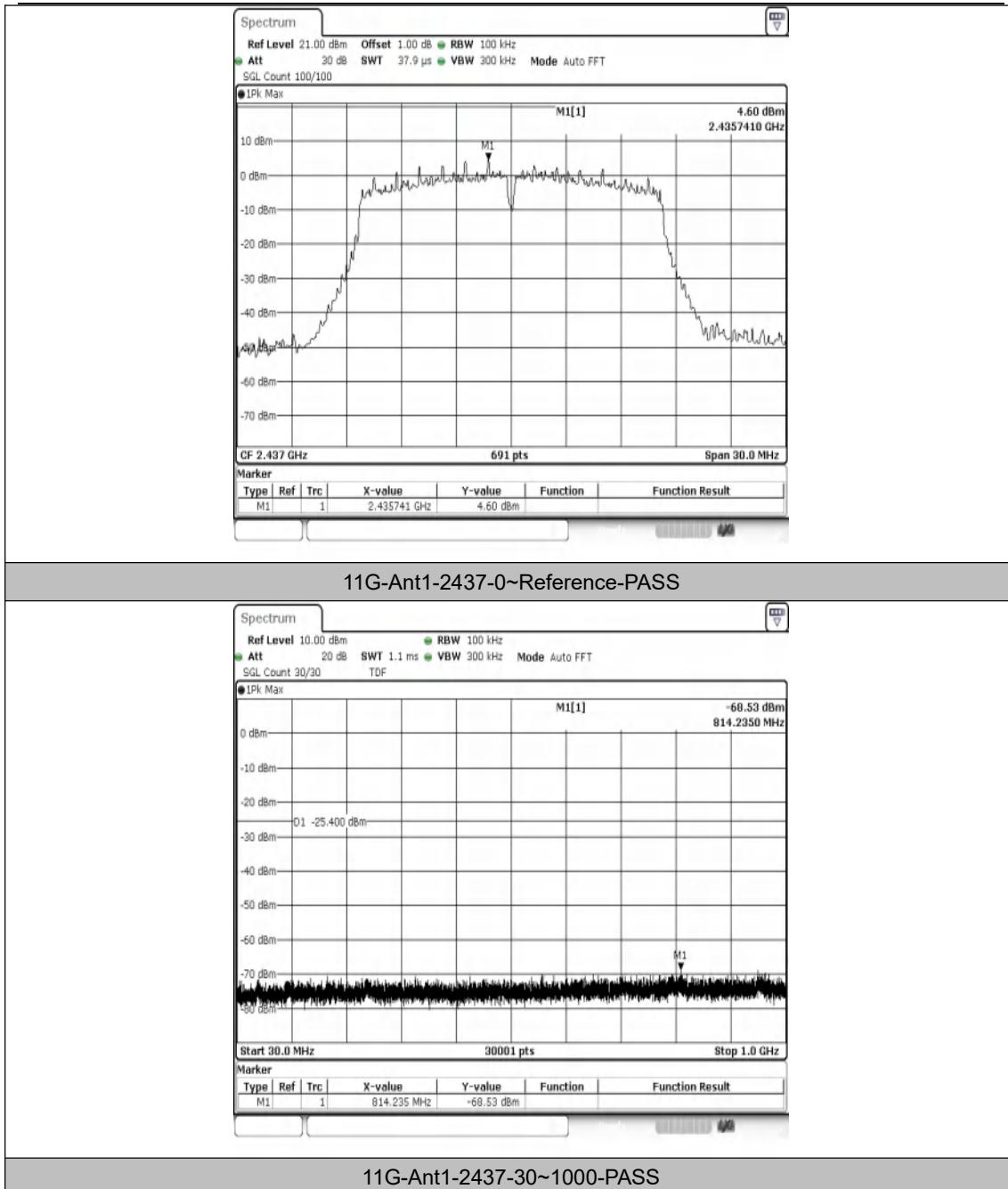
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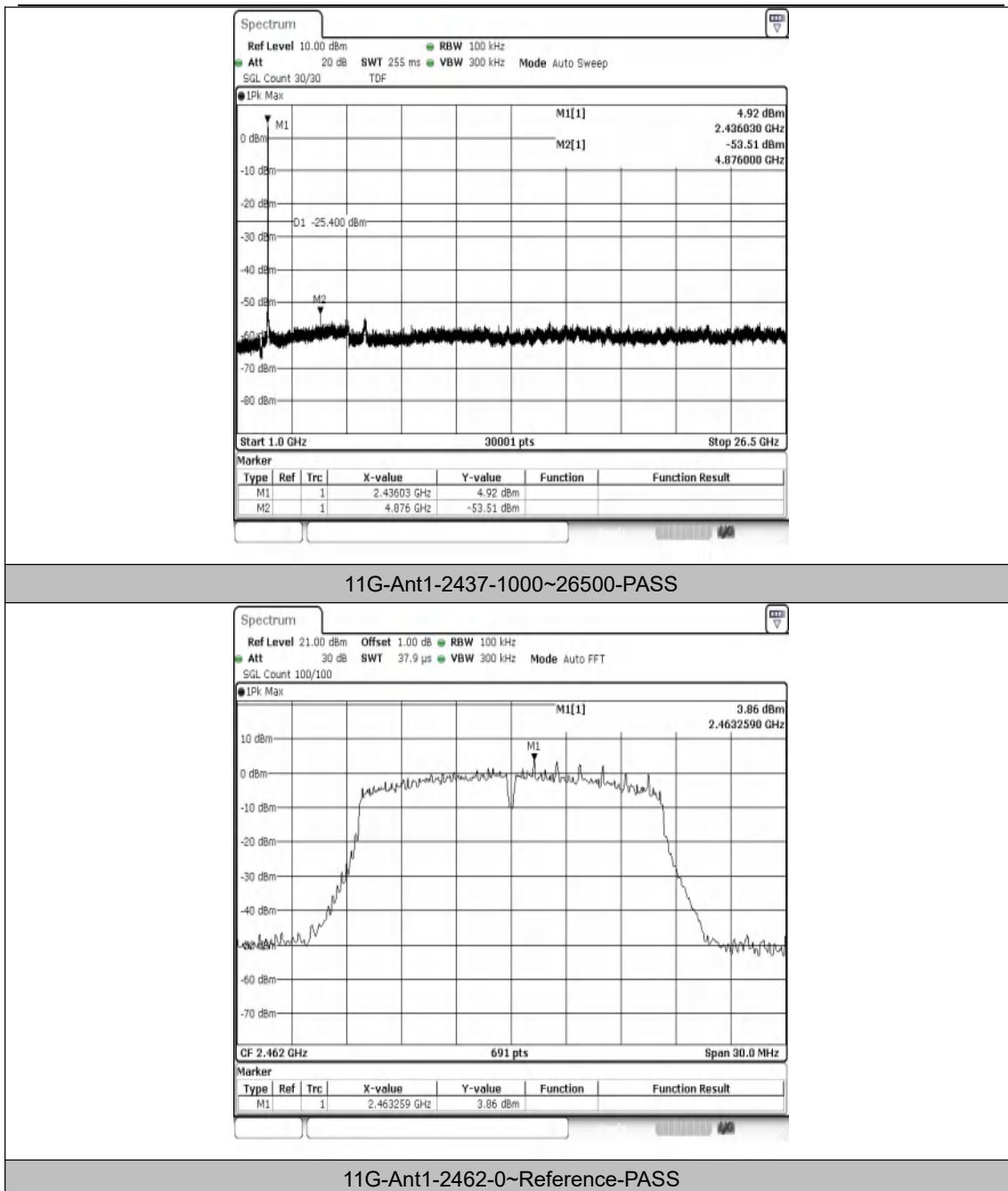
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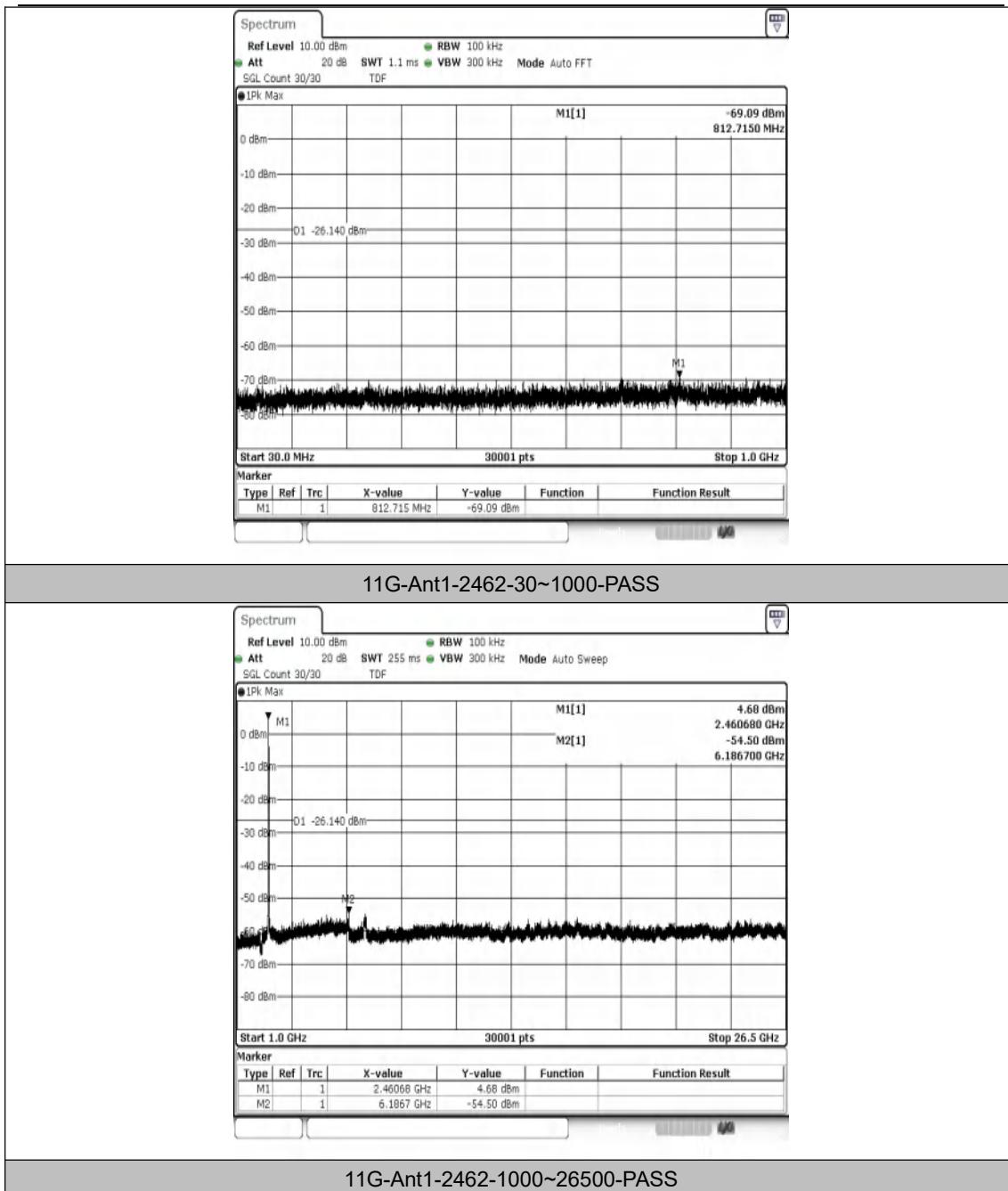
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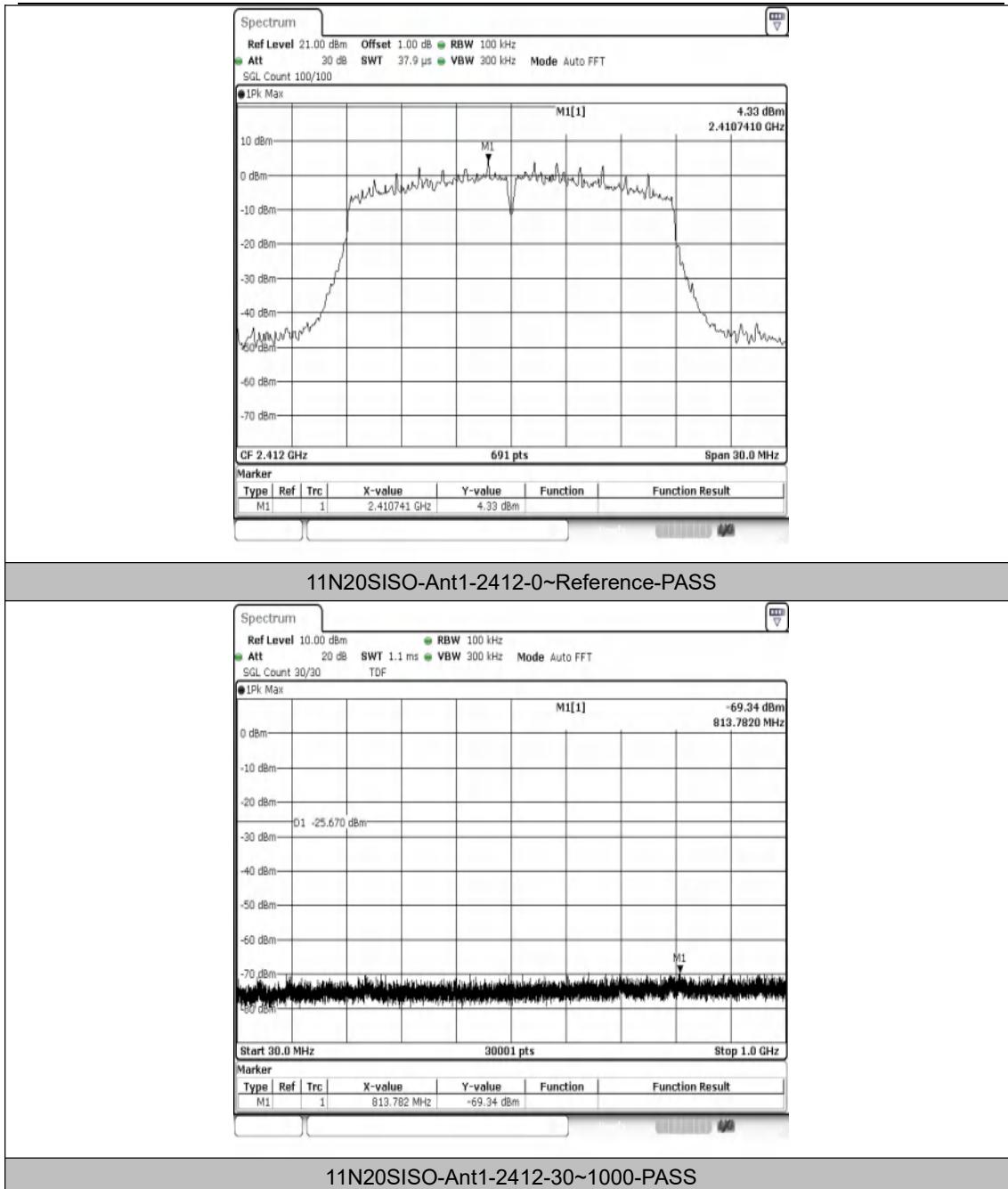
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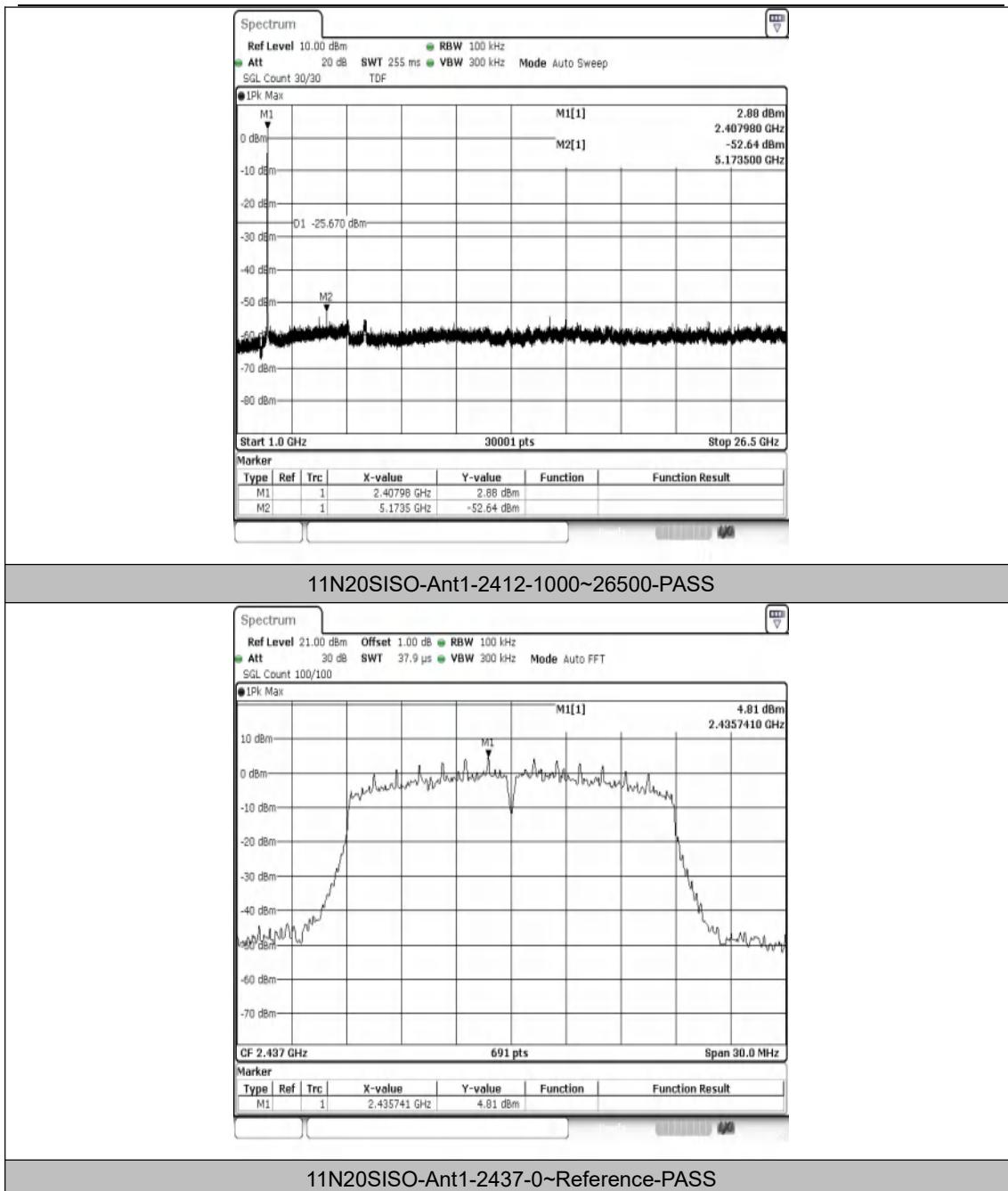
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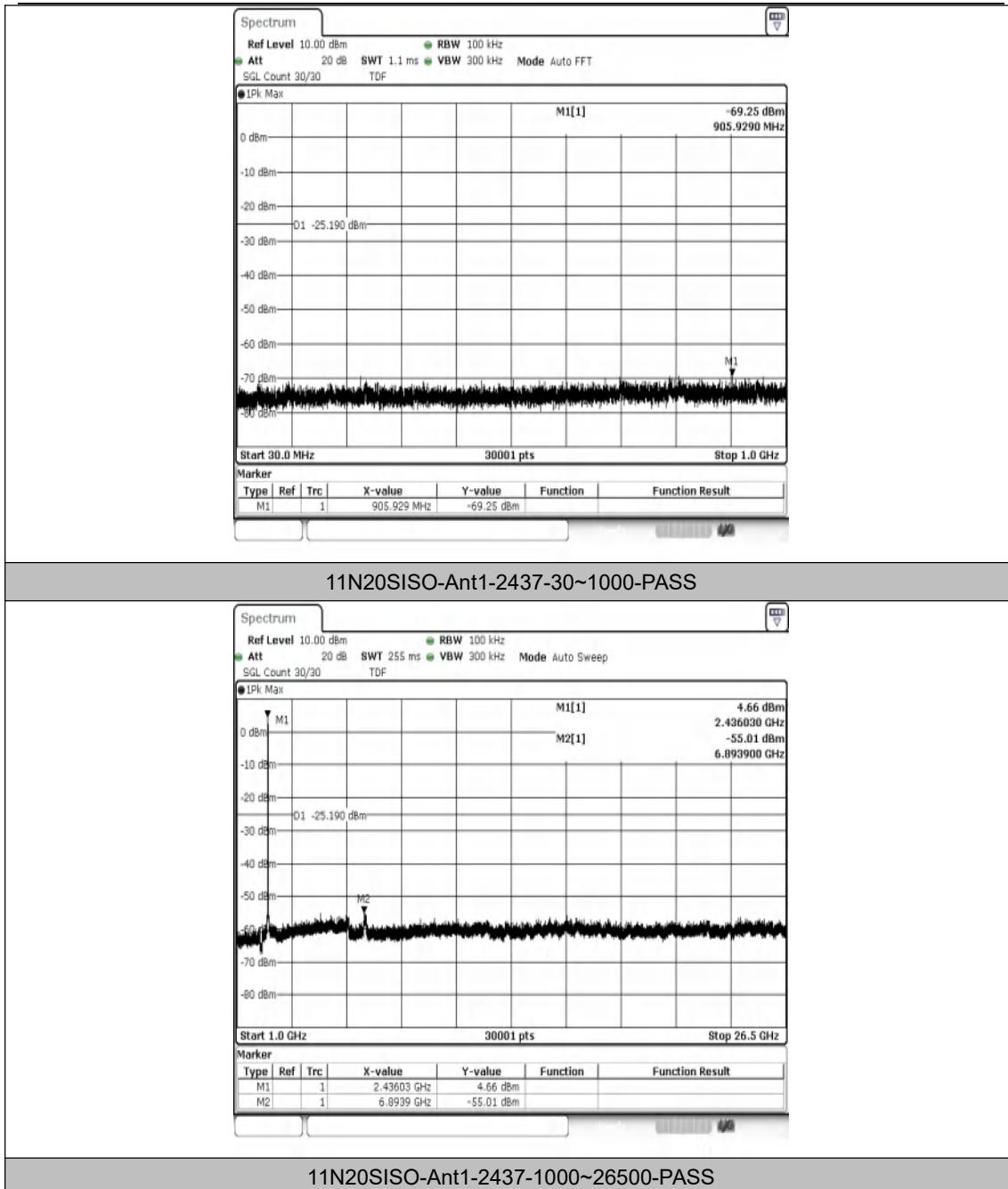
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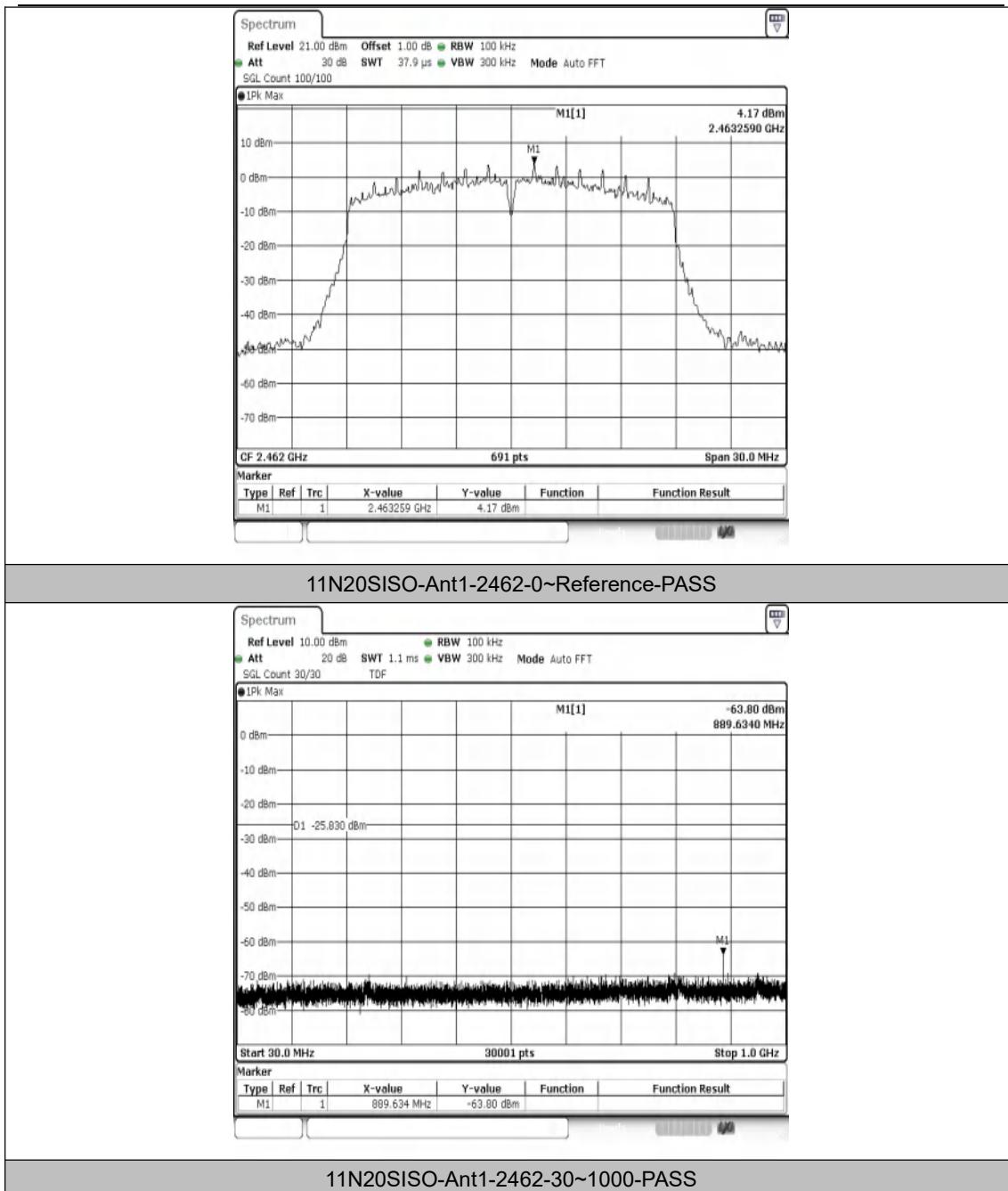
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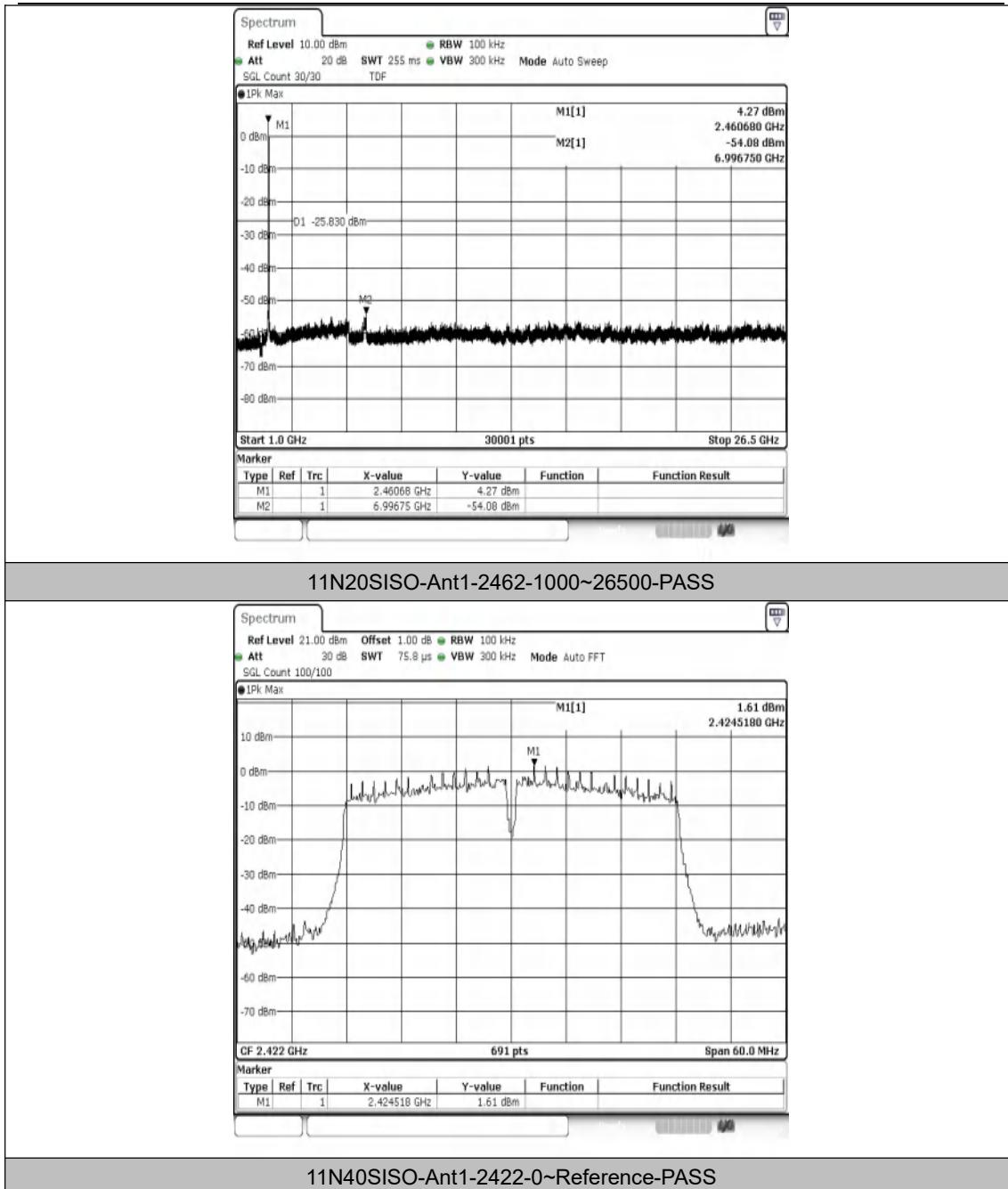
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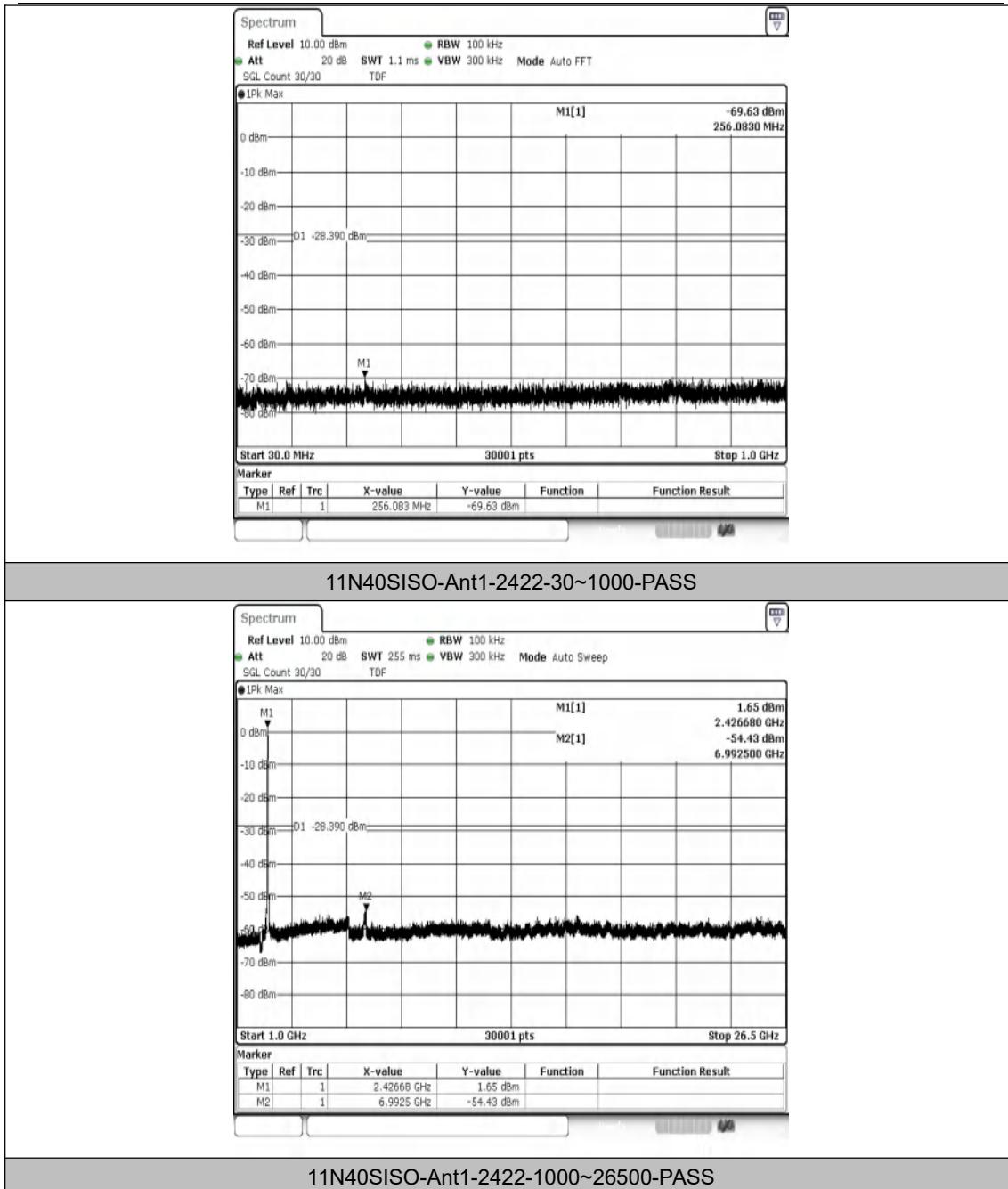
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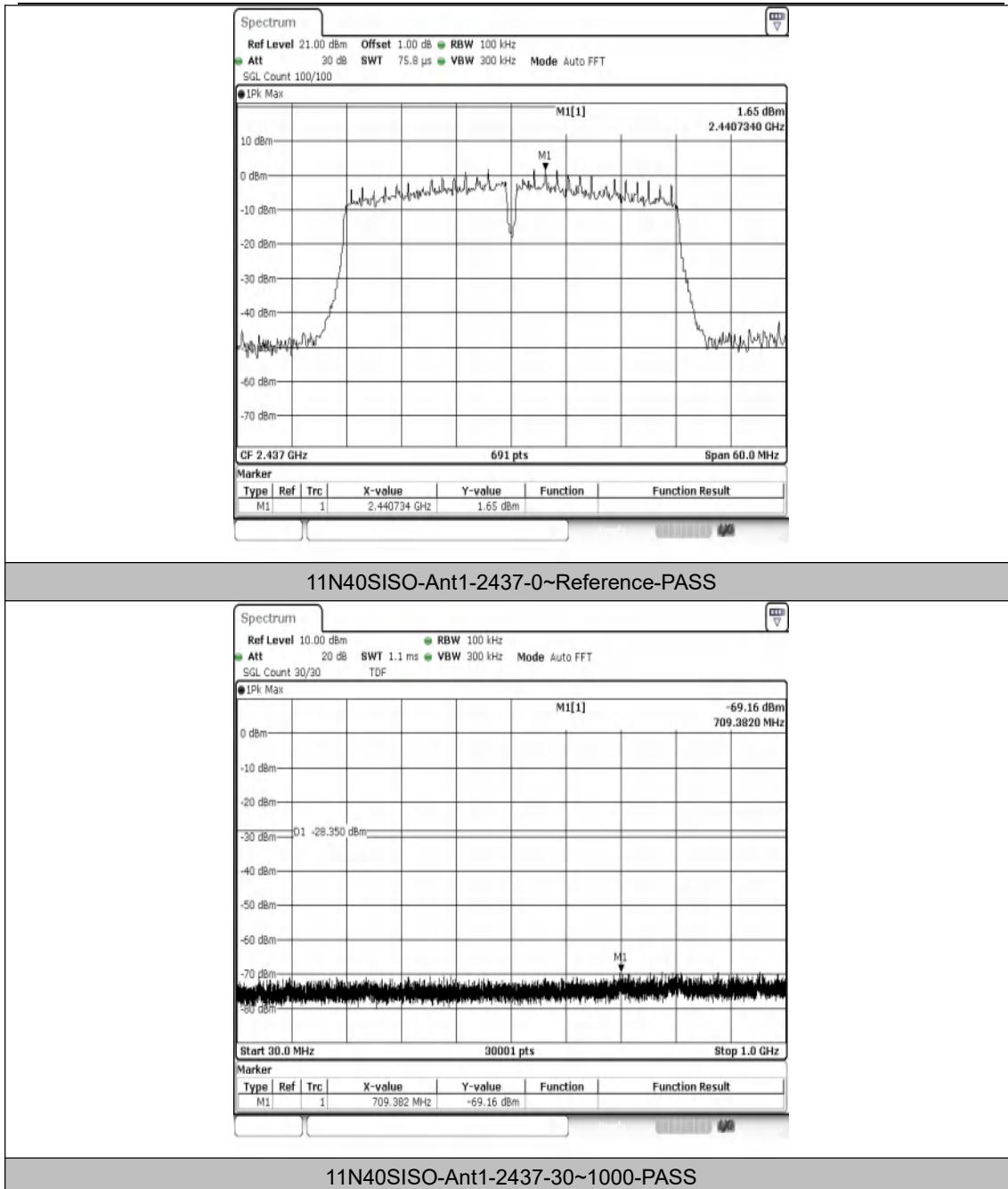
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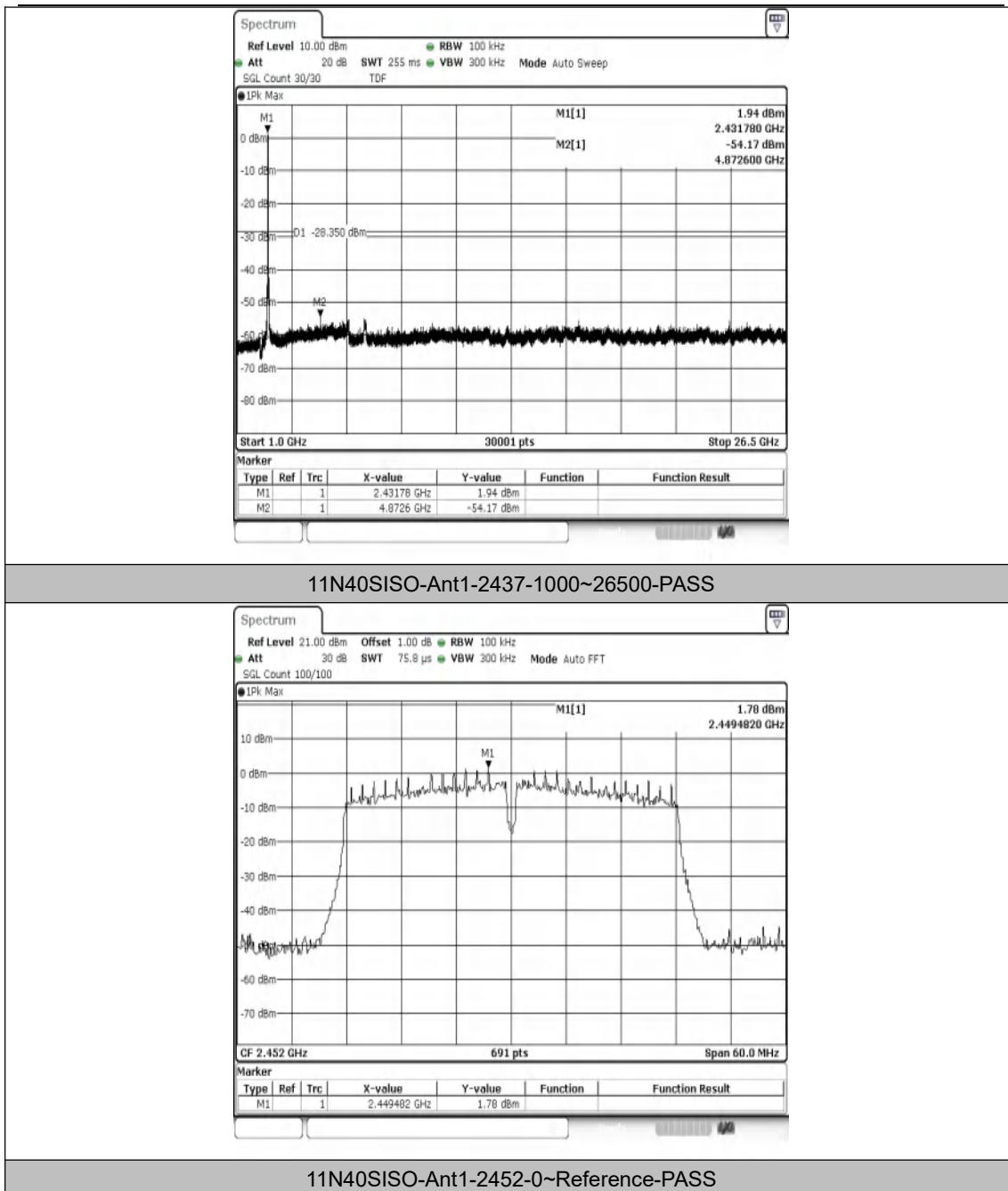
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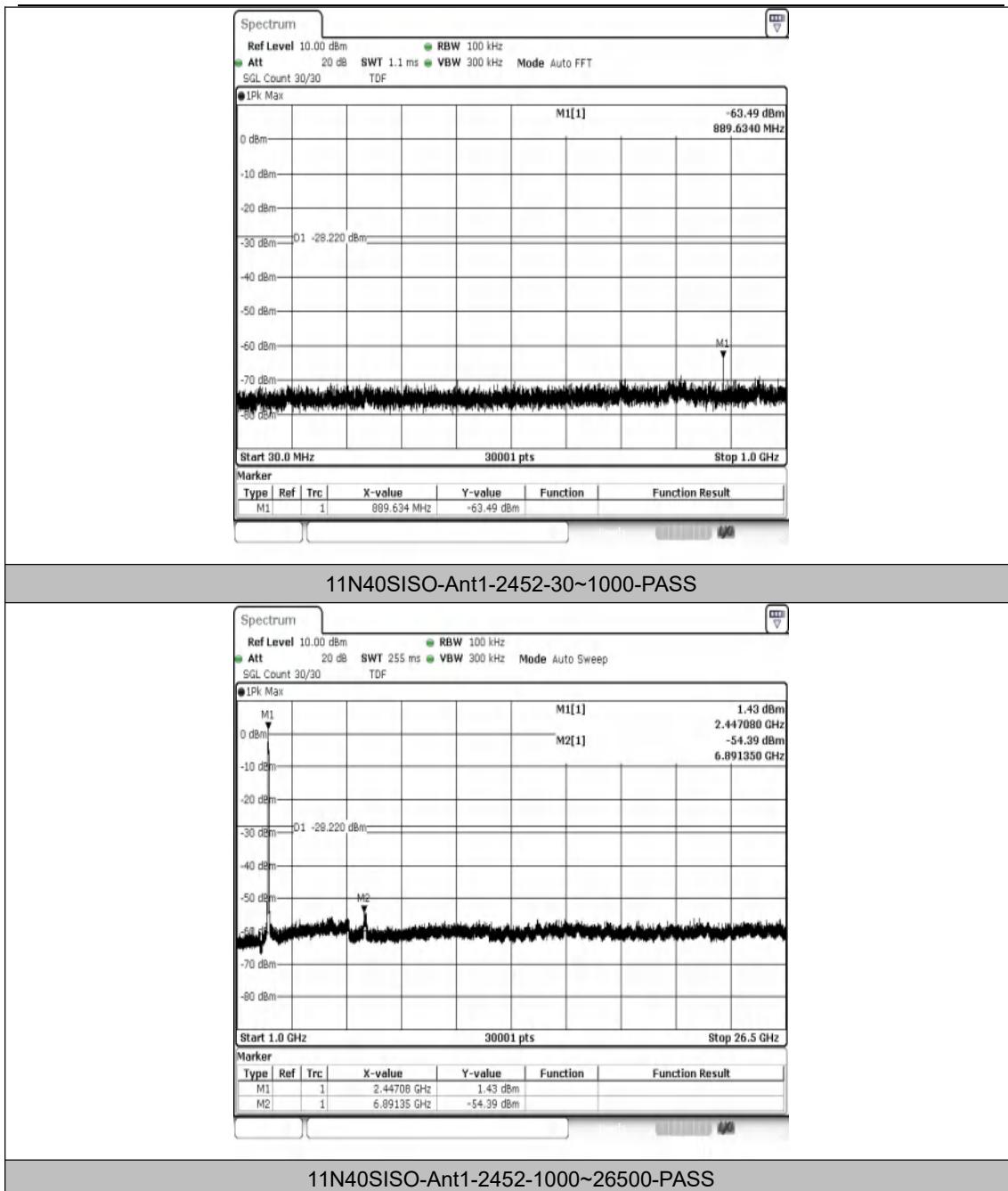
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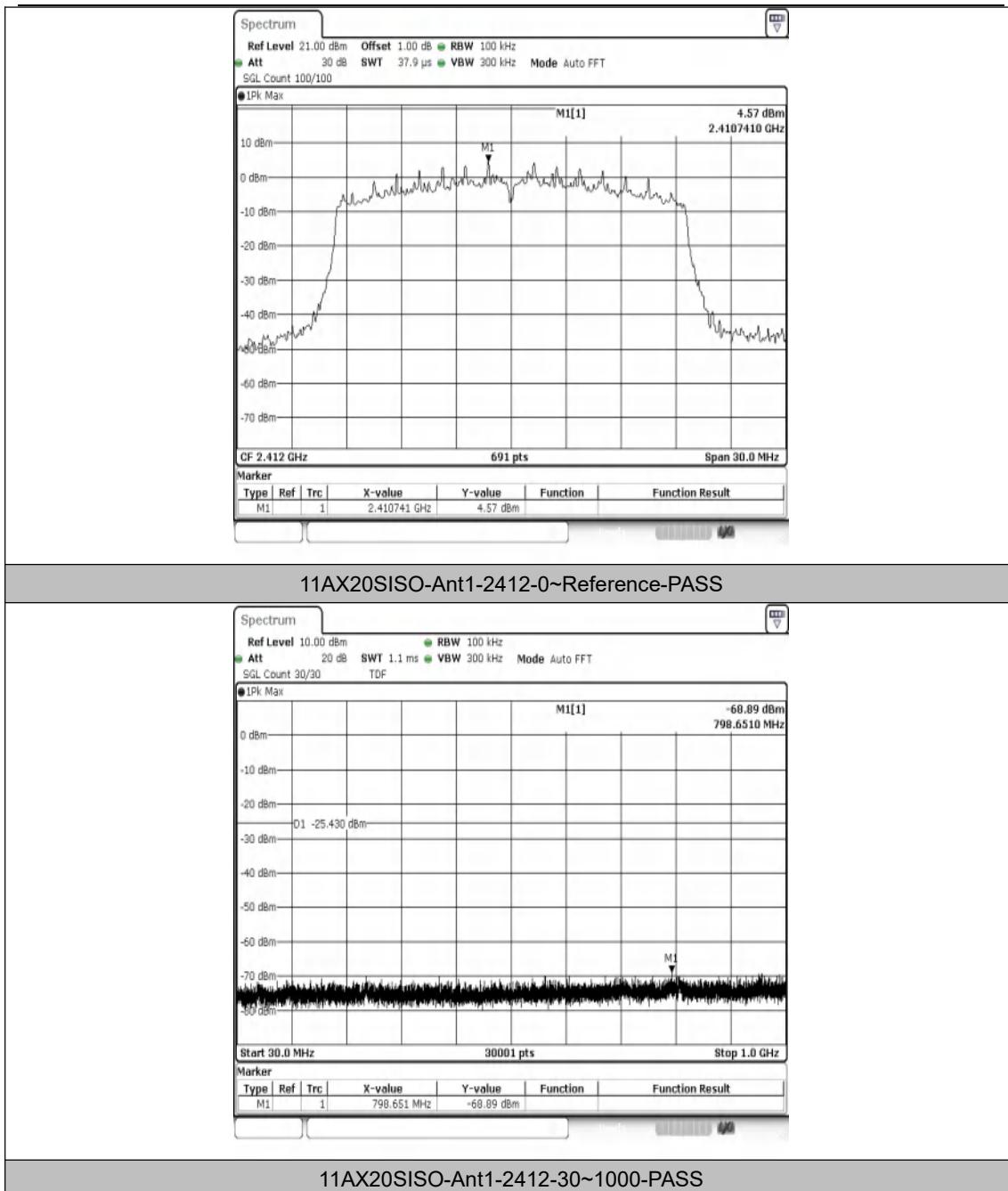
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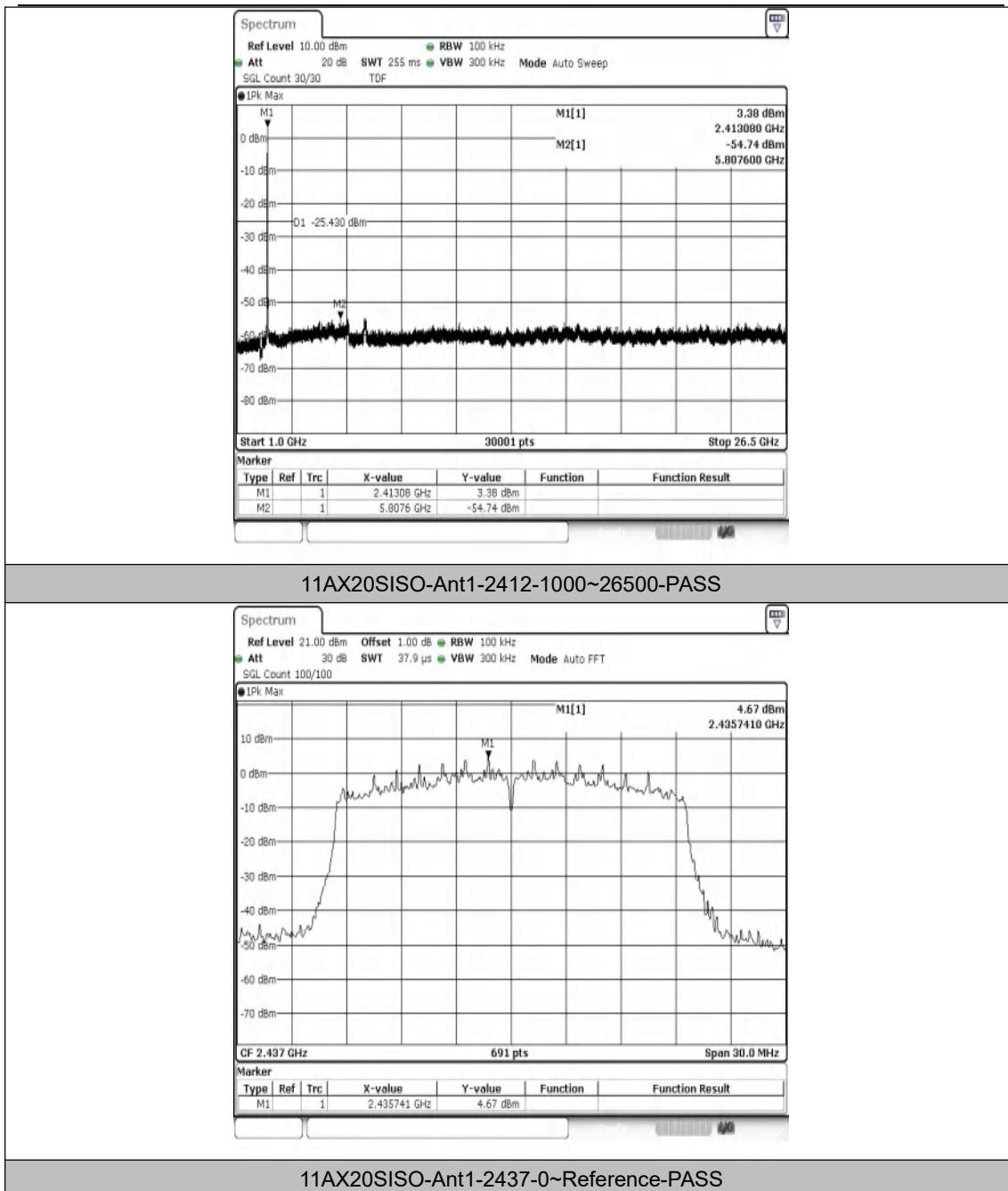
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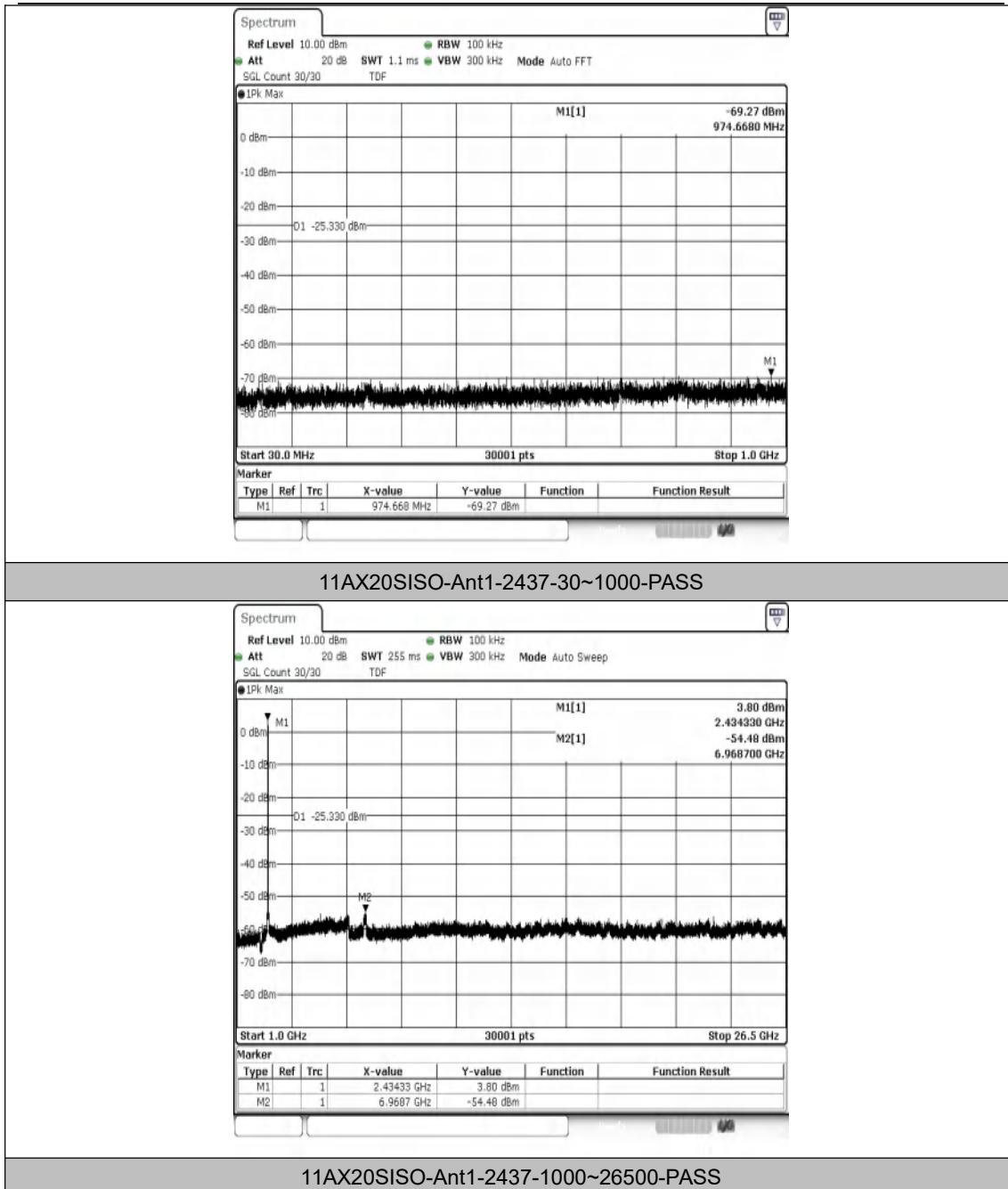
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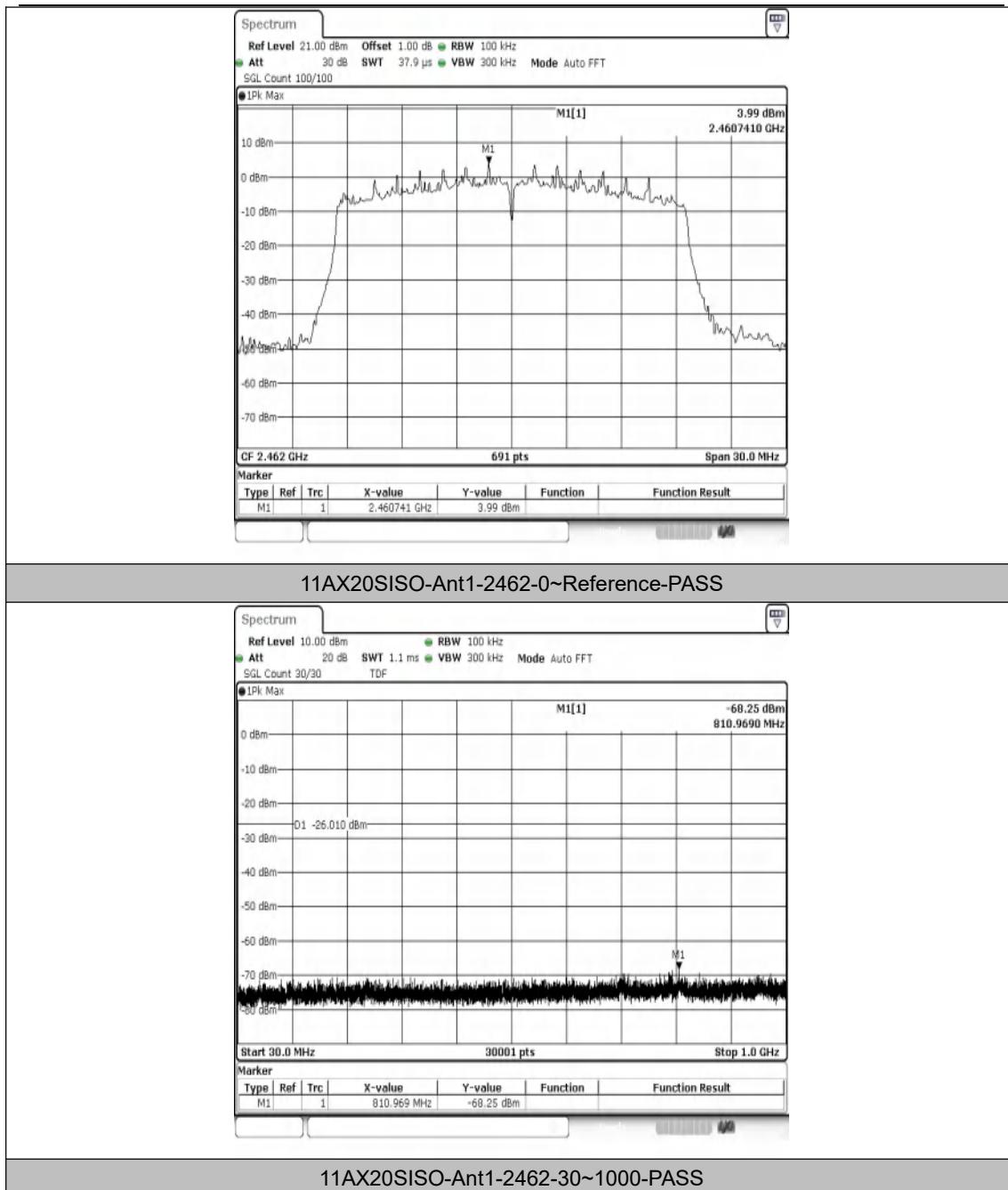
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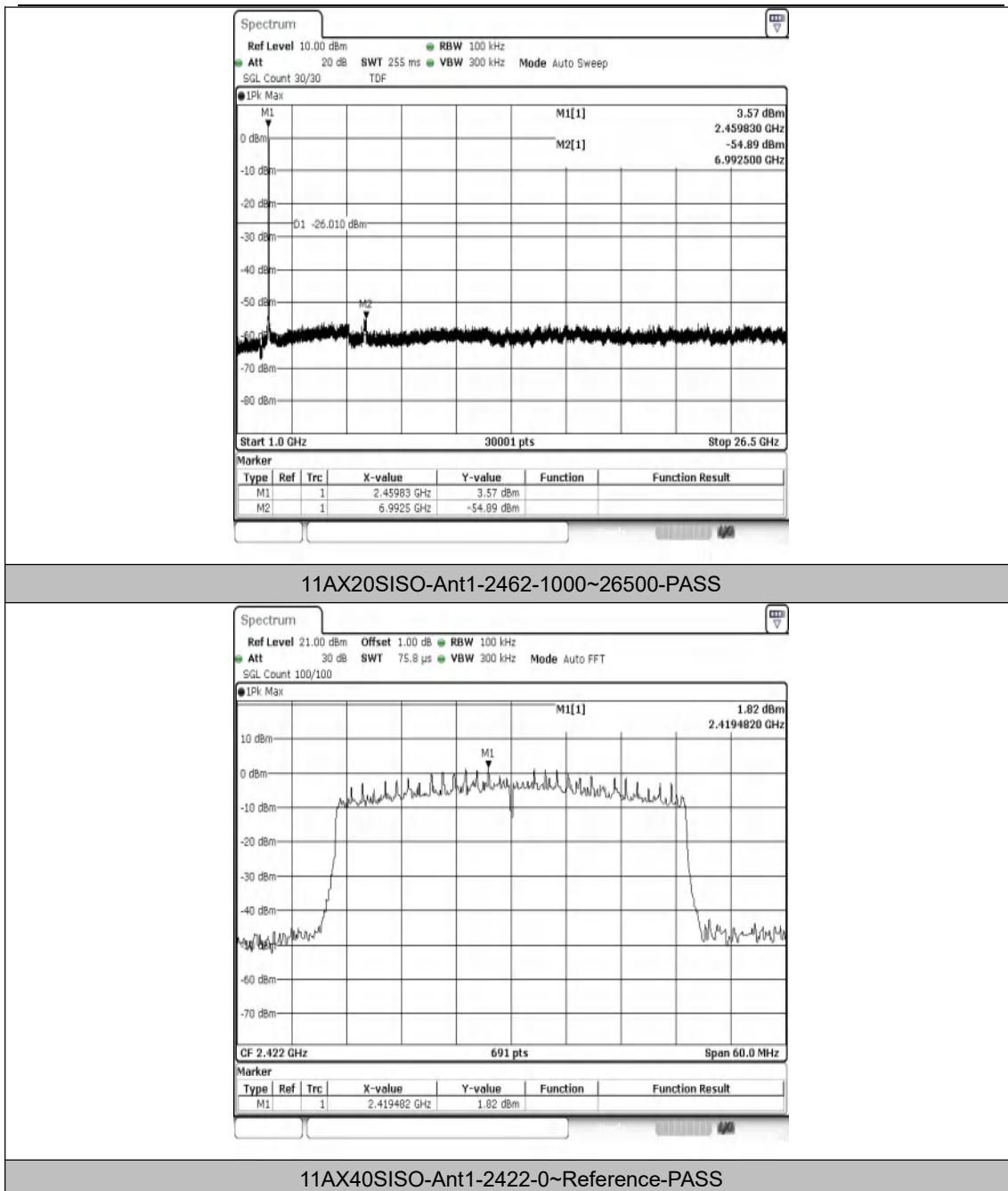
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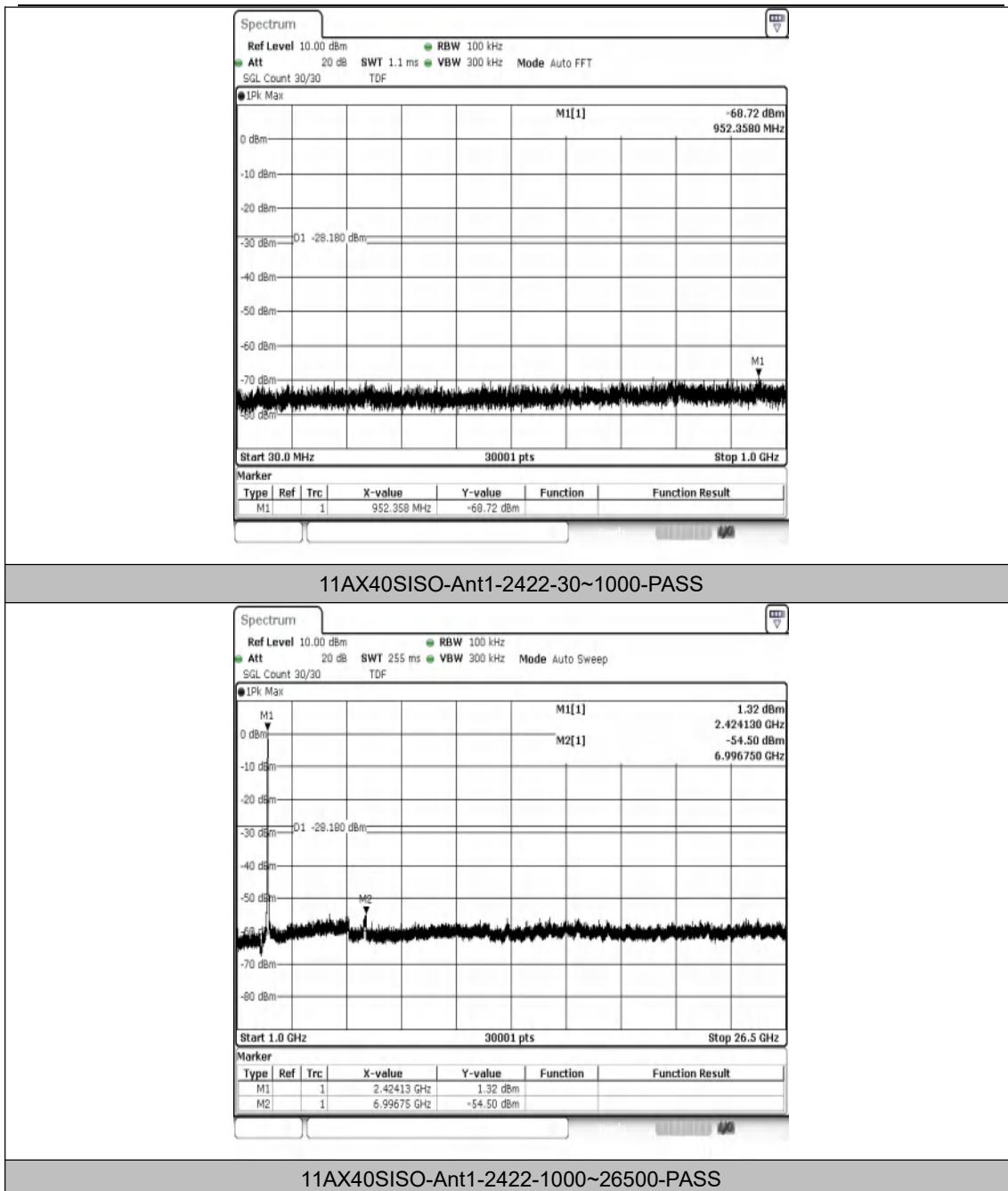
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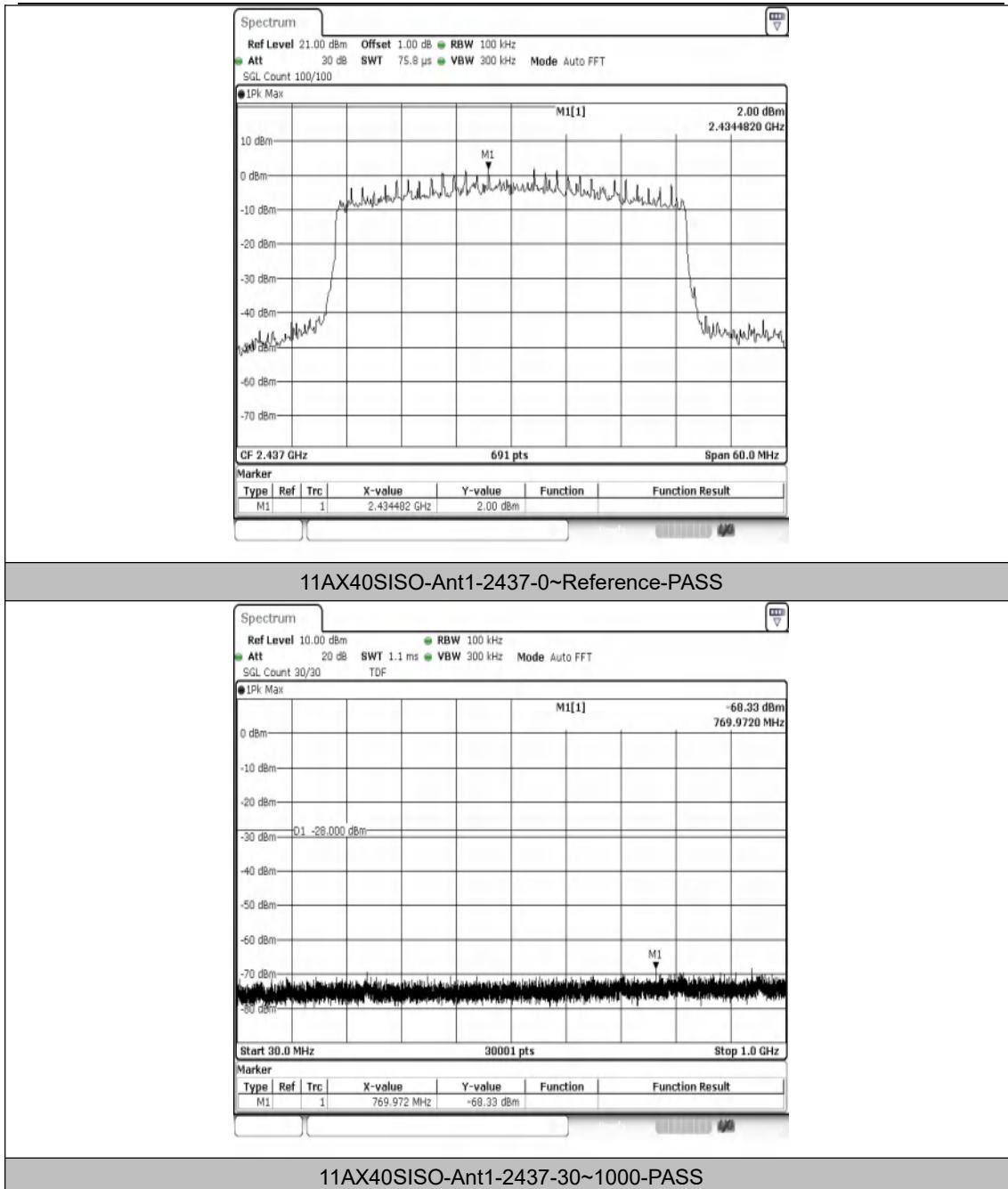
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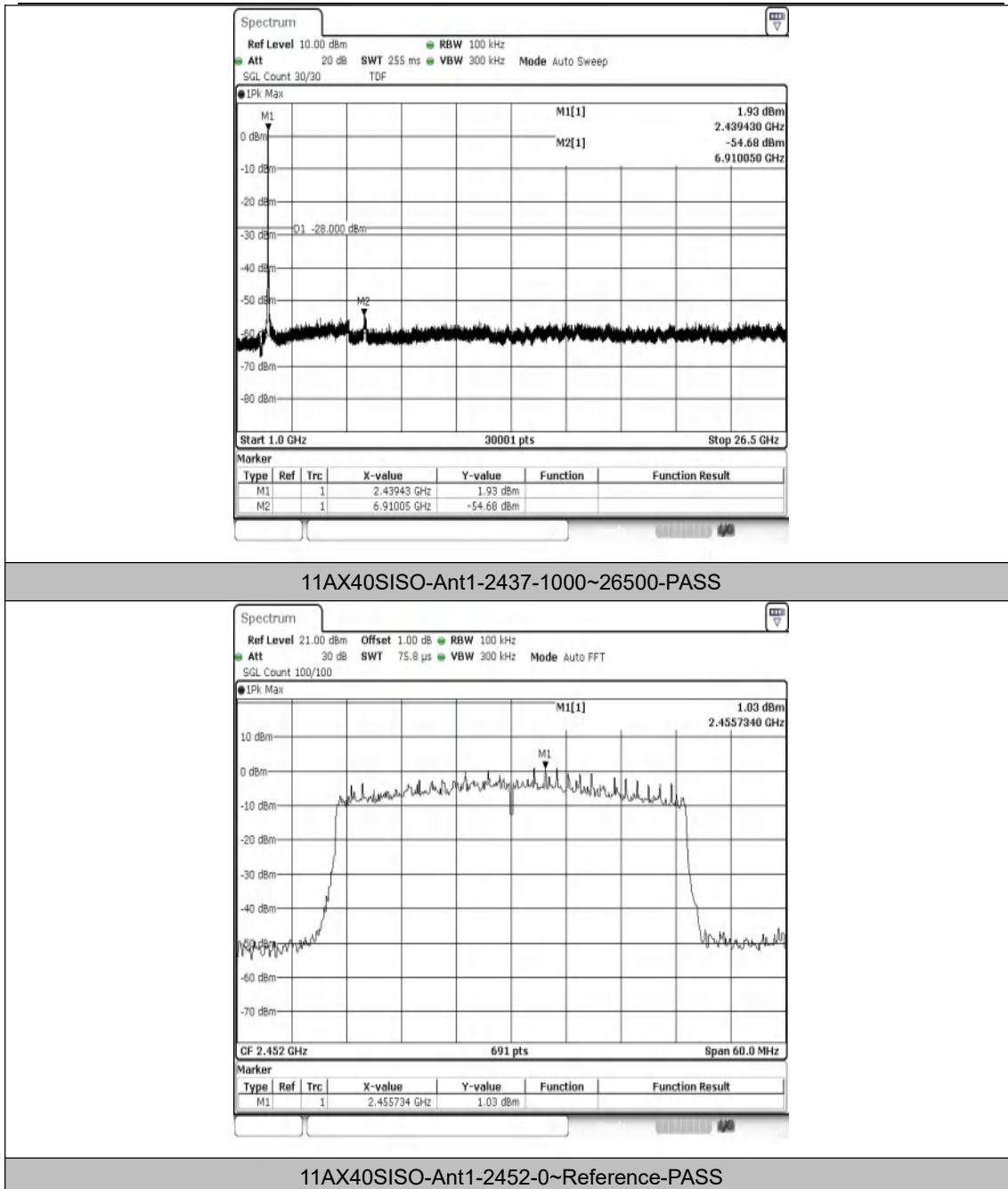
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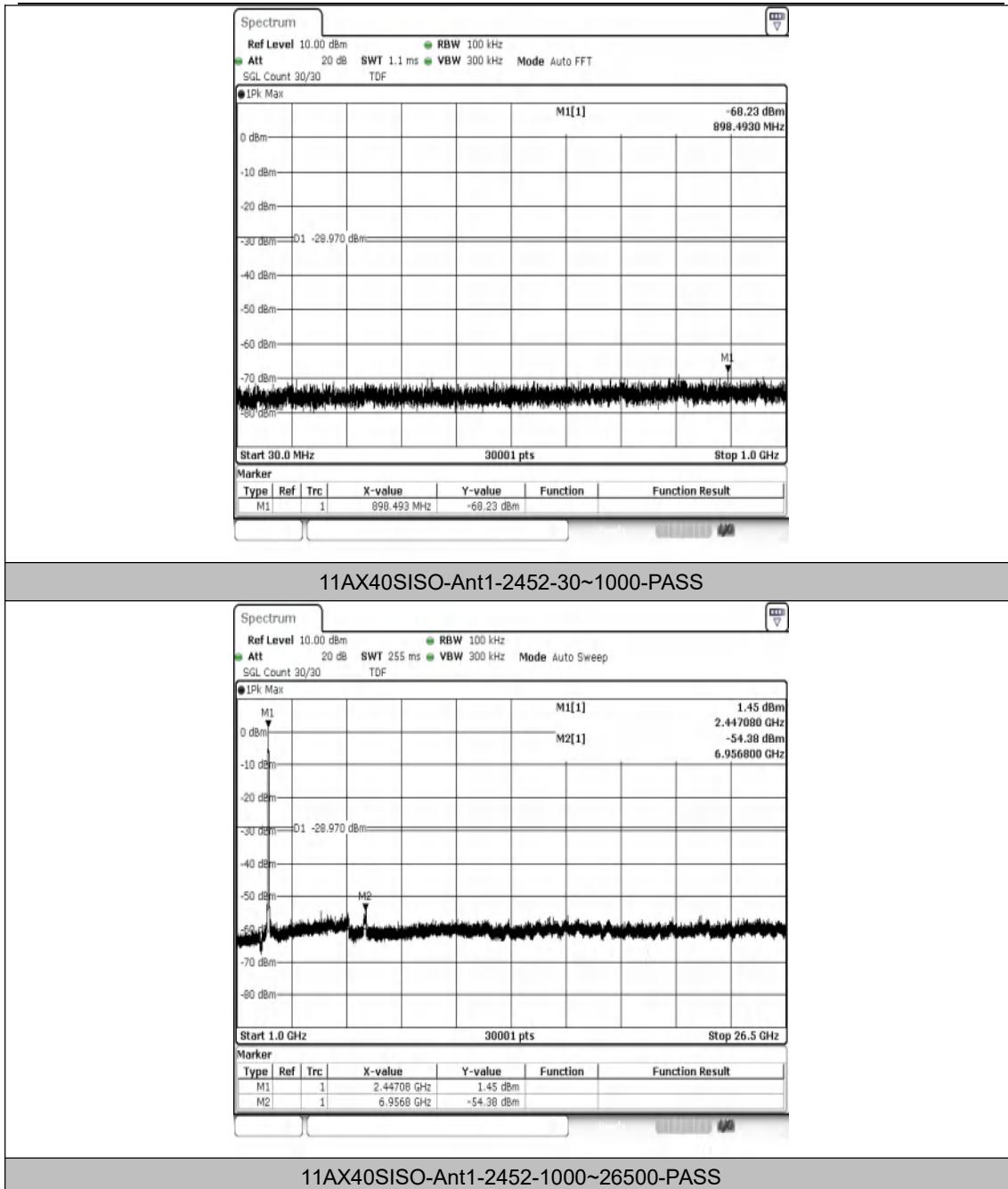
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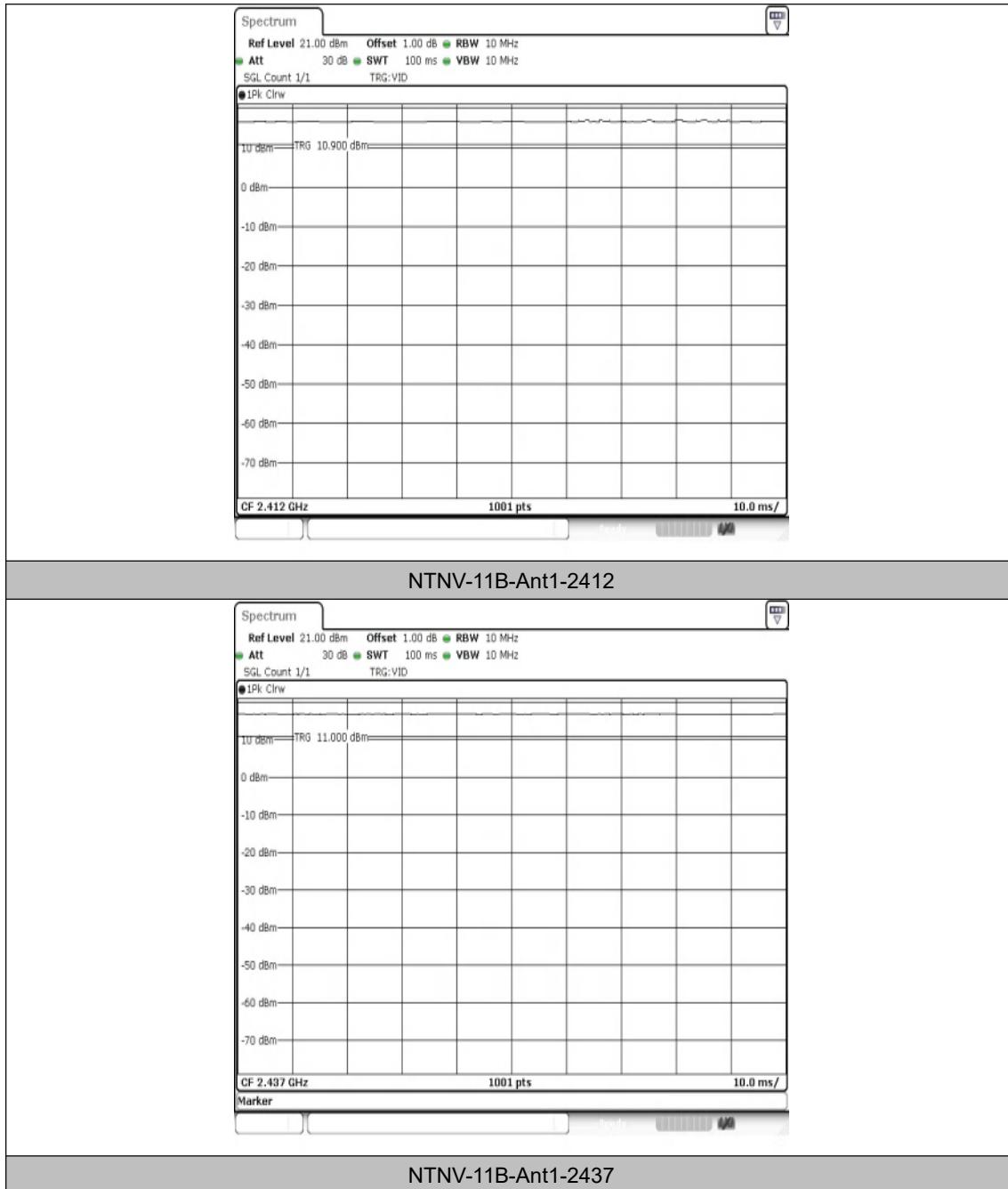
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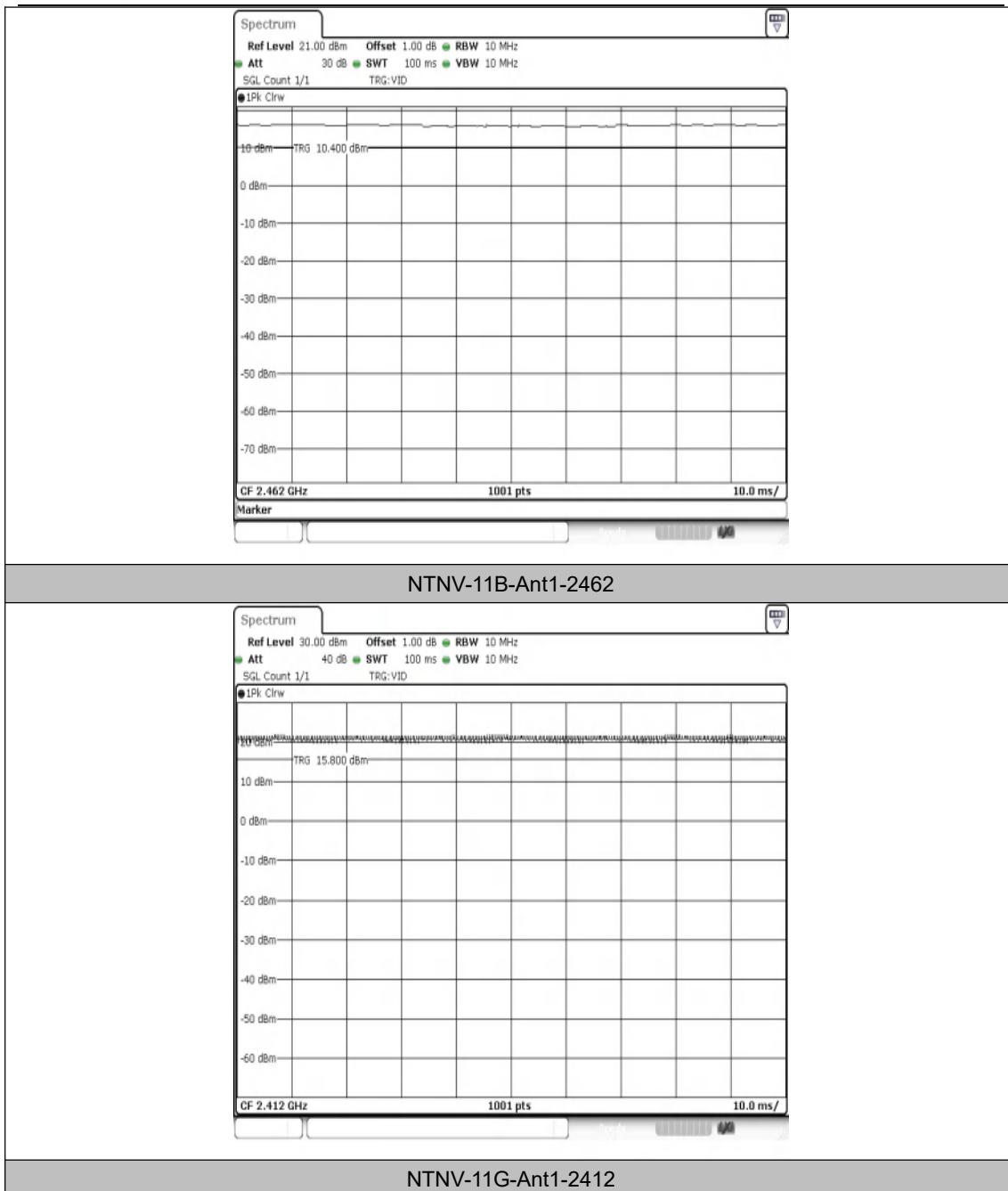
## Appendix G: Duty Cycle

### Test Result

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor [dB]
11B	Ant1	2412	100.00	100.00	100.00	0.00
11B	Ant1	2437	100.00	100.00	100.00	0.00
11B	Ant1	2462	100.00	100.00	100.00	0.00
11G	Ant1	2412	100.00	100.00	100.00	0.00
11G	Ant1	2437	100.00	100.00	100.00	0.00
11G	Ant1	2462	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2412	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N20SISO	Ant1	2462	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2422	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2437	100.00	100.00	100.00	0.00
11N40SISO	Ant1	2452	100.00	100.00	100.00	0.00
11AX20SISO	Ant1	2412	100.00	100.00	100.00	0.00
11AX20SISO	Ant1	2437	100.00	100.00	100.00	0.00
11AX20SISO	Ant1	2462	100.00	100.00	100.00	0.00
11AX40SISO	Ant1	2422	100.00	100.00	100.00	0.00
11AX40SISO	Ant1	2437	100.00	100.00	100.00	0.00
11AX40SISO	Ant1	2452	100.00	100.00	100.00	0.00

## Test Graphs

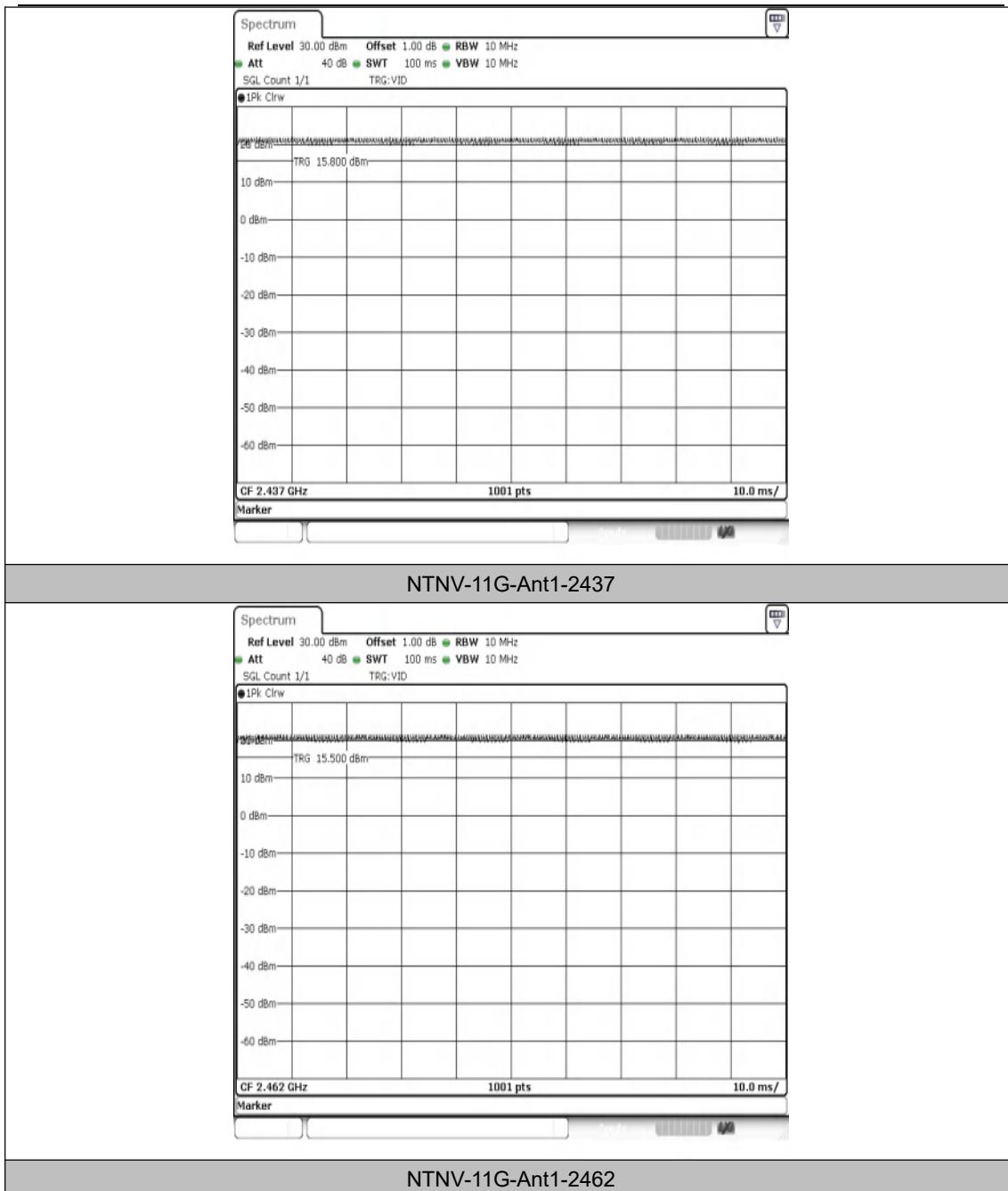




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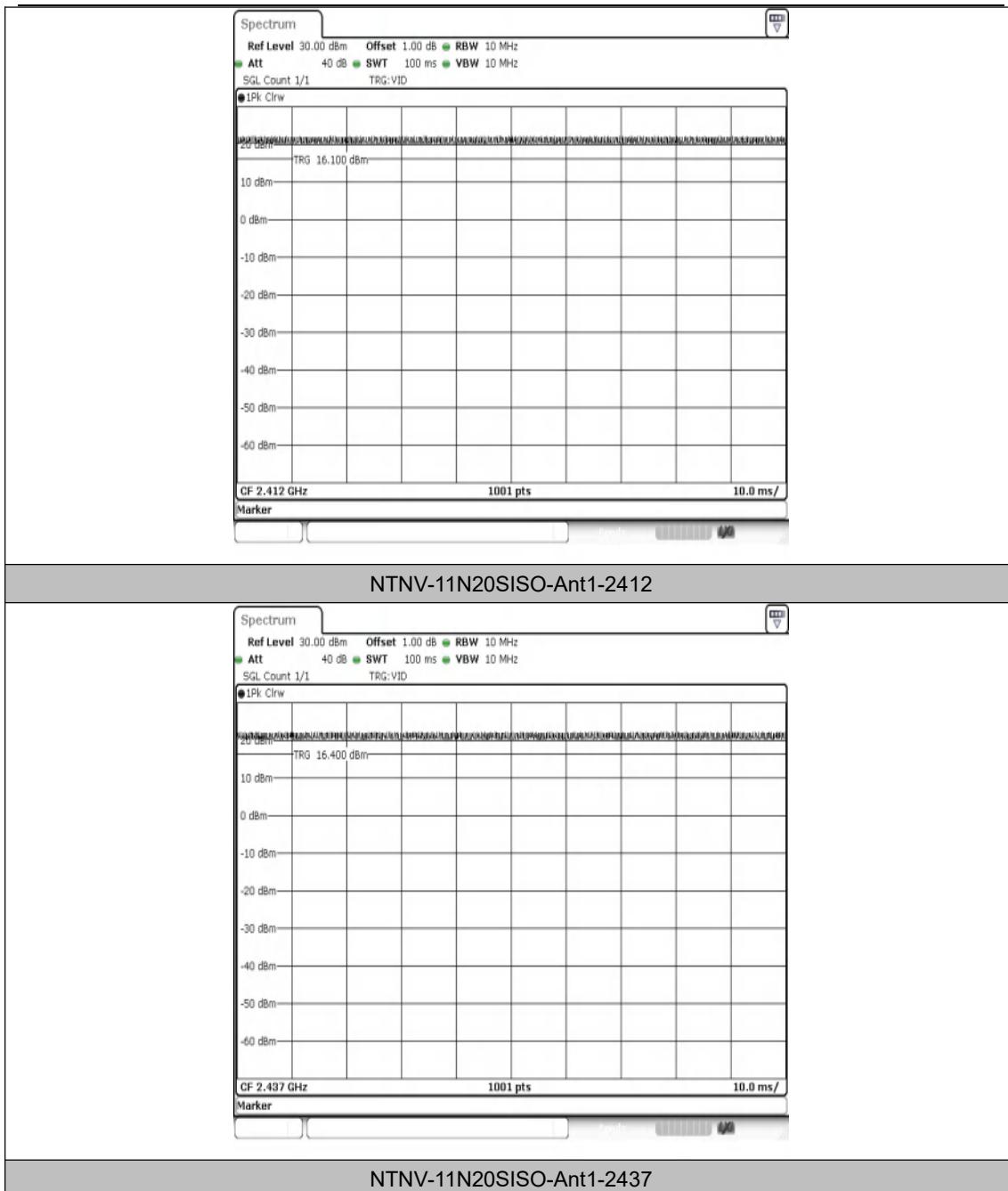
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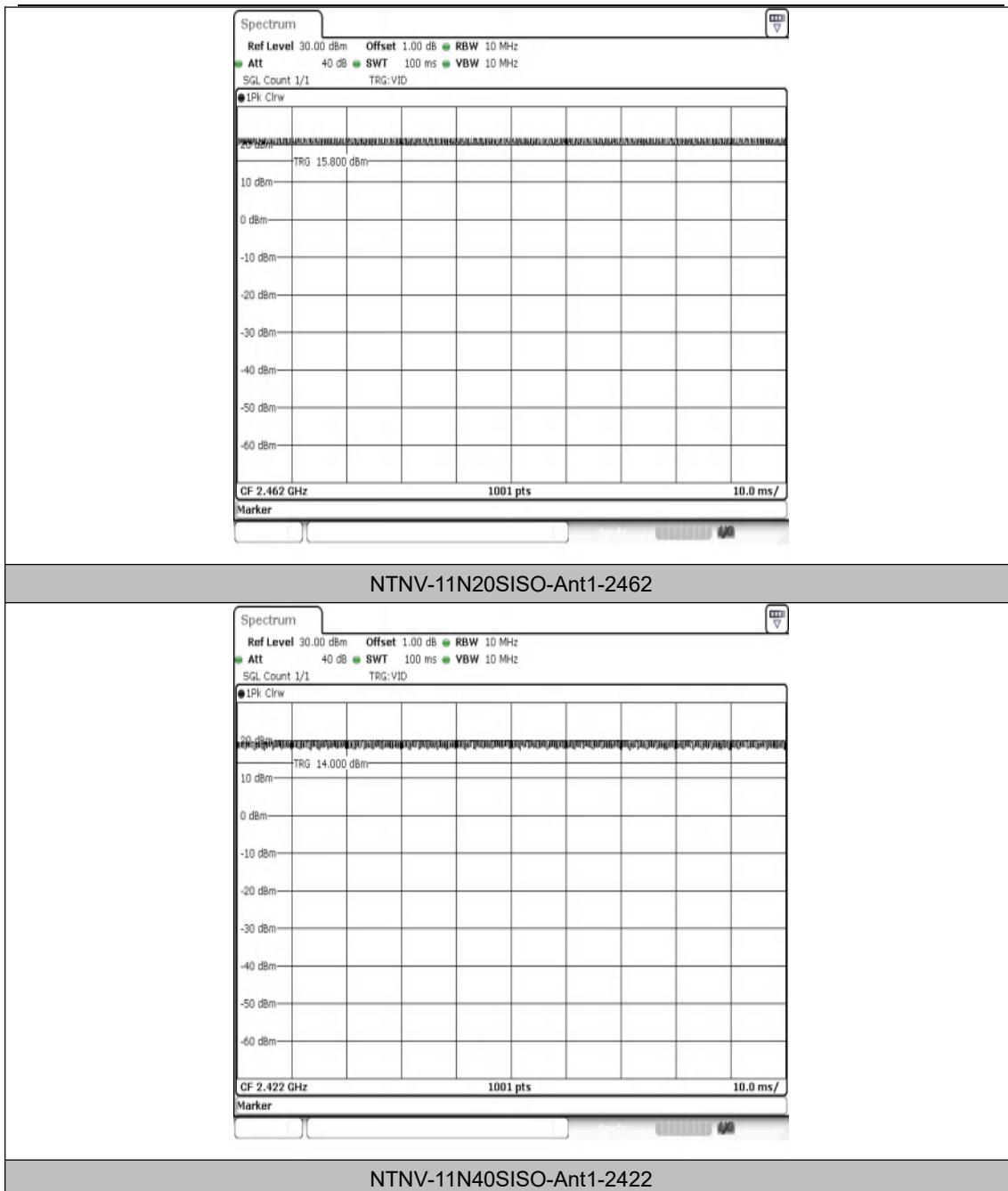
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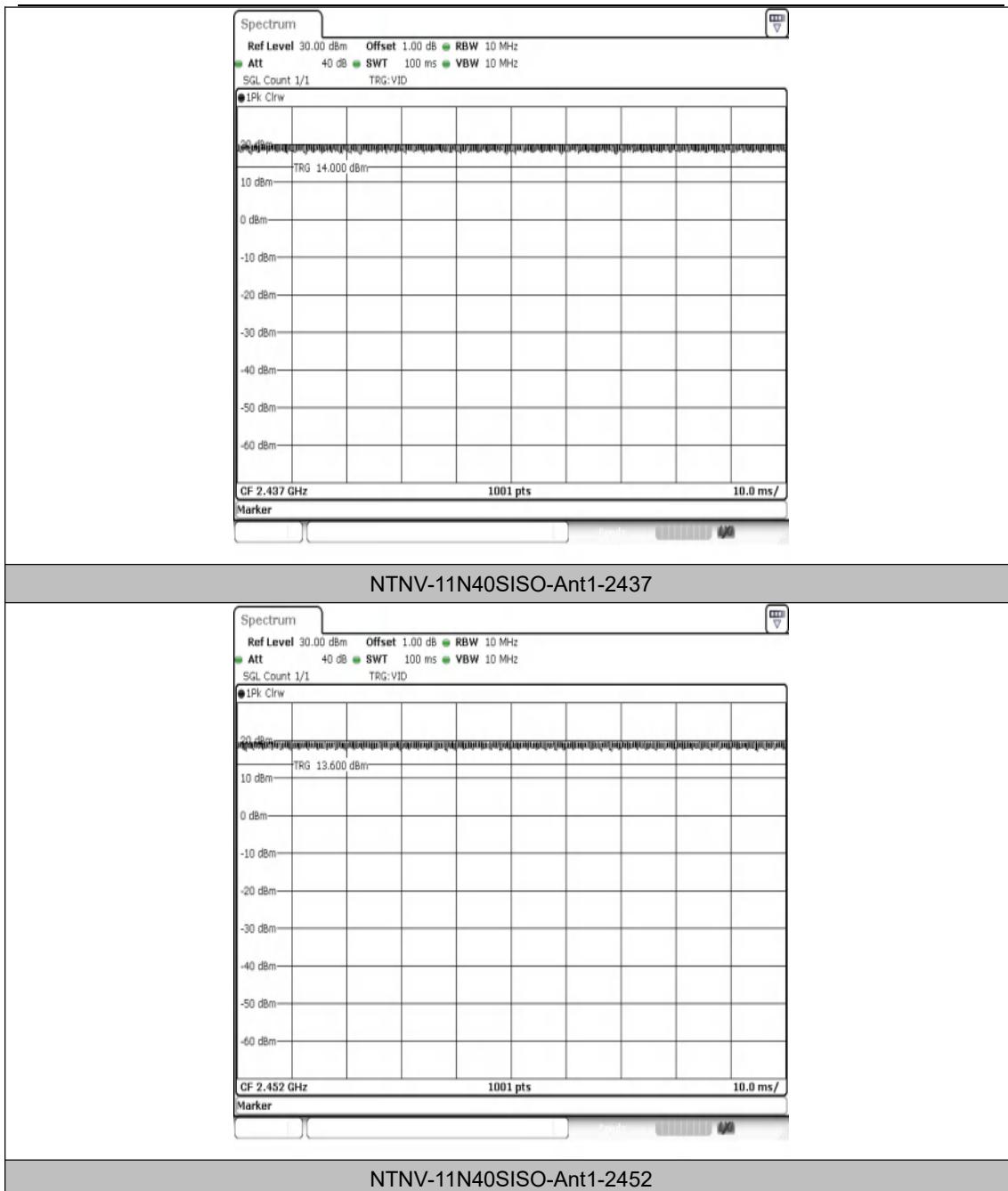
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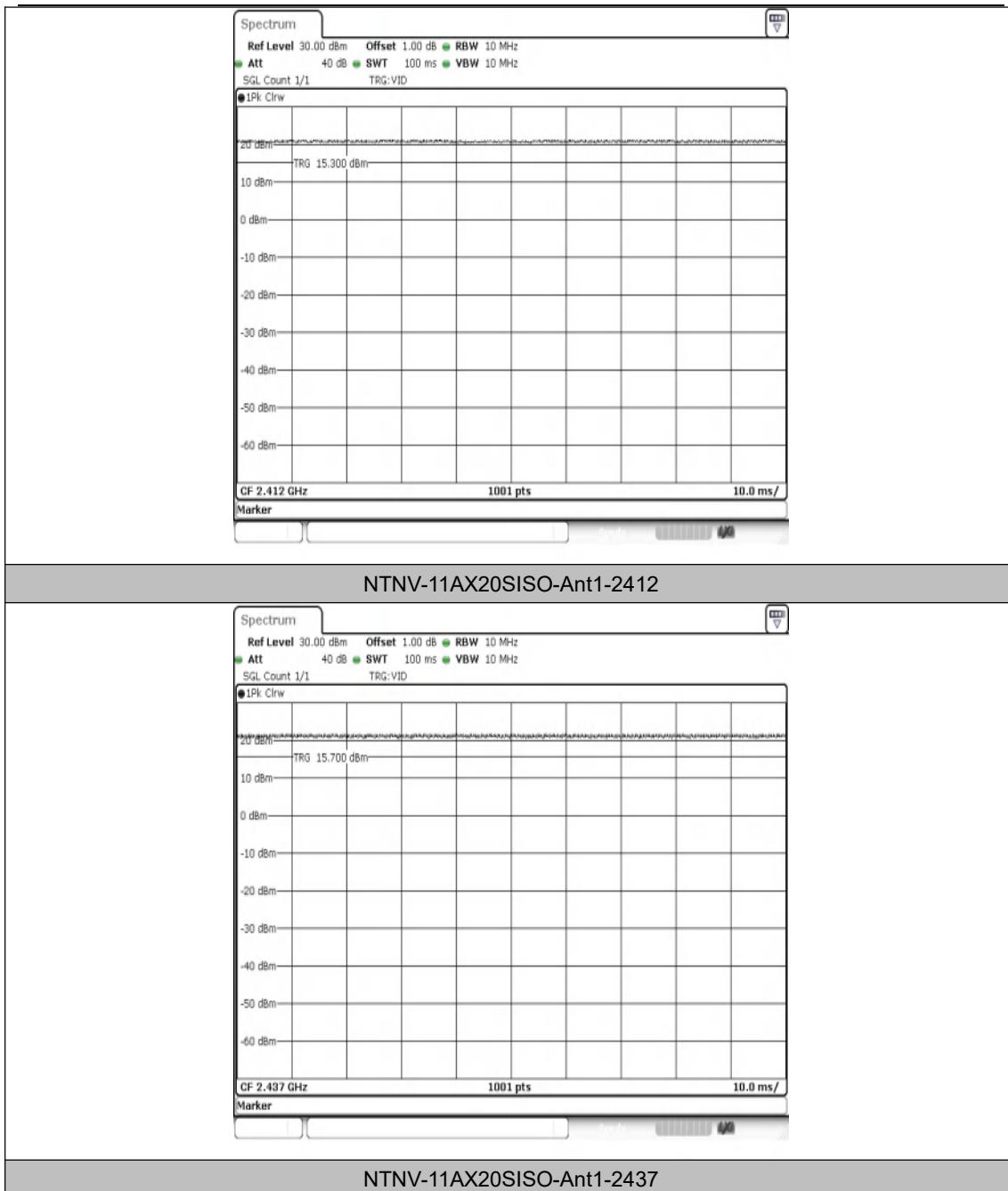
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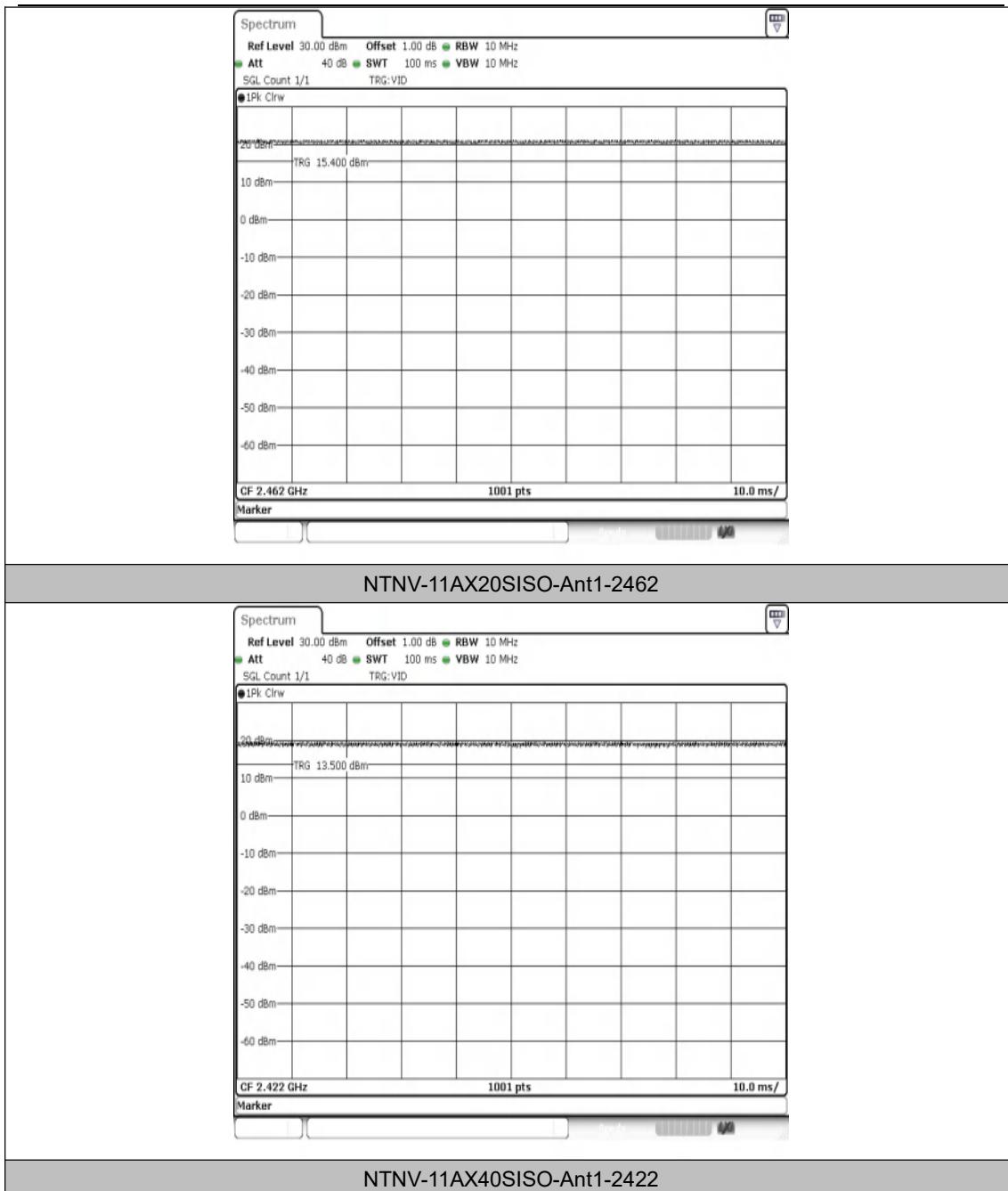
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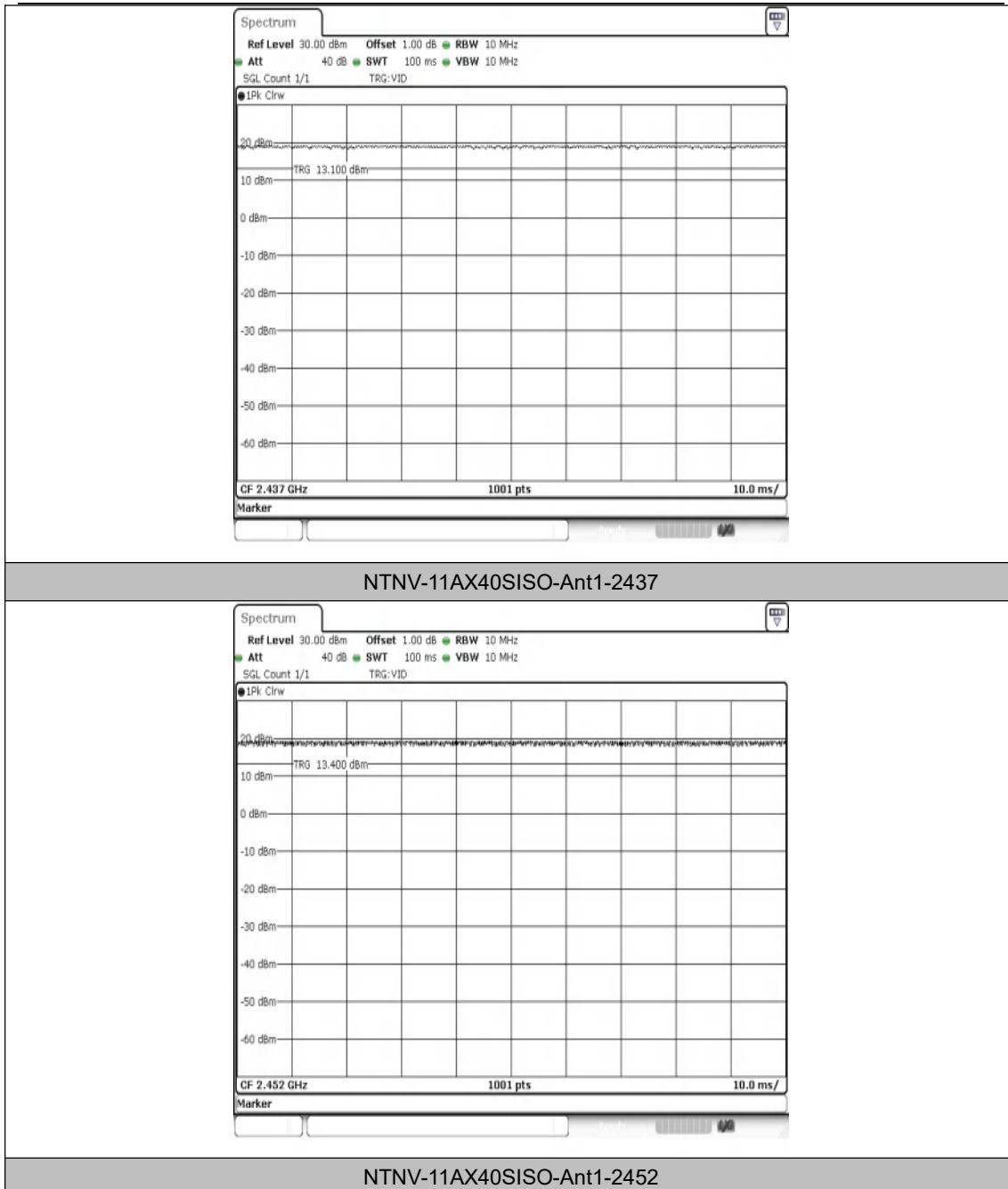
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