

Appendix Test Data

Report No.:	1812C50171412501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-22	Finish Test Date:	2025-10-29
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.6°C	Relative Humidity:	42%
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	10.320	2406.880	2417.200	0.5	PASS
11B	Ant1	2437	10.320	2431.880	2442.200	0.5	PASS
11B	Ant1	2462	10.320	2456.880	2467.200	0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	0.5	PASS
11G	Ant1	2437	16.440	2428.800	2445.240	0.5	PASS
11G	Ant1	2462	16.440	2453.840	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.280	2420.840	0.5	PASS
11N20SISO	Ant1	2437	17.680	2428.200	2445.880	0.5	PASS
11N20SISO	Ant1	2462	17.640	2453.200	2470.840	0.5	PASS
11N40SISO	Ant1	2422	36.240	2404.080	2440.320	0.5	PASS
11N40SISO	Ant1	2437	36.160	2419.000	2455.160	0.5	PASS
11N40SISO	Ant1	2452	36.000	2434.160	2470.160	0.5	PASS

Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS

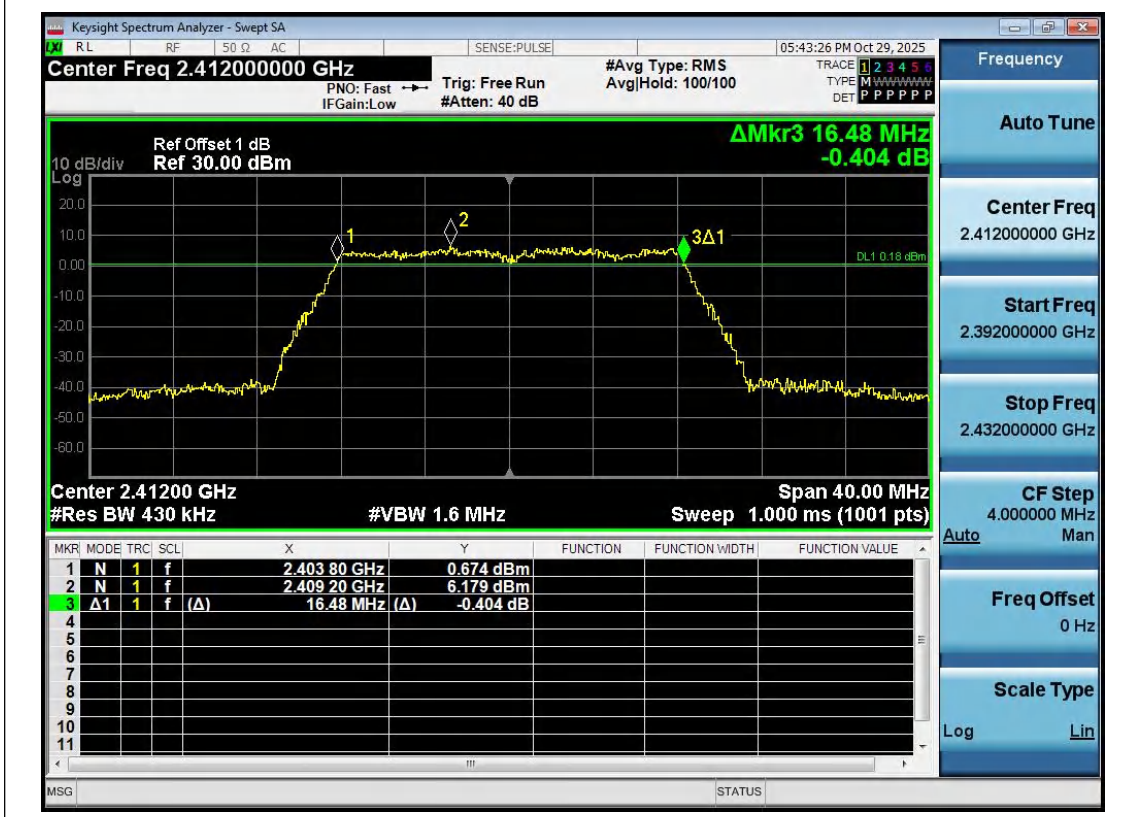
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11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

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11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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11N20SISO-Ant1-2412-PASS

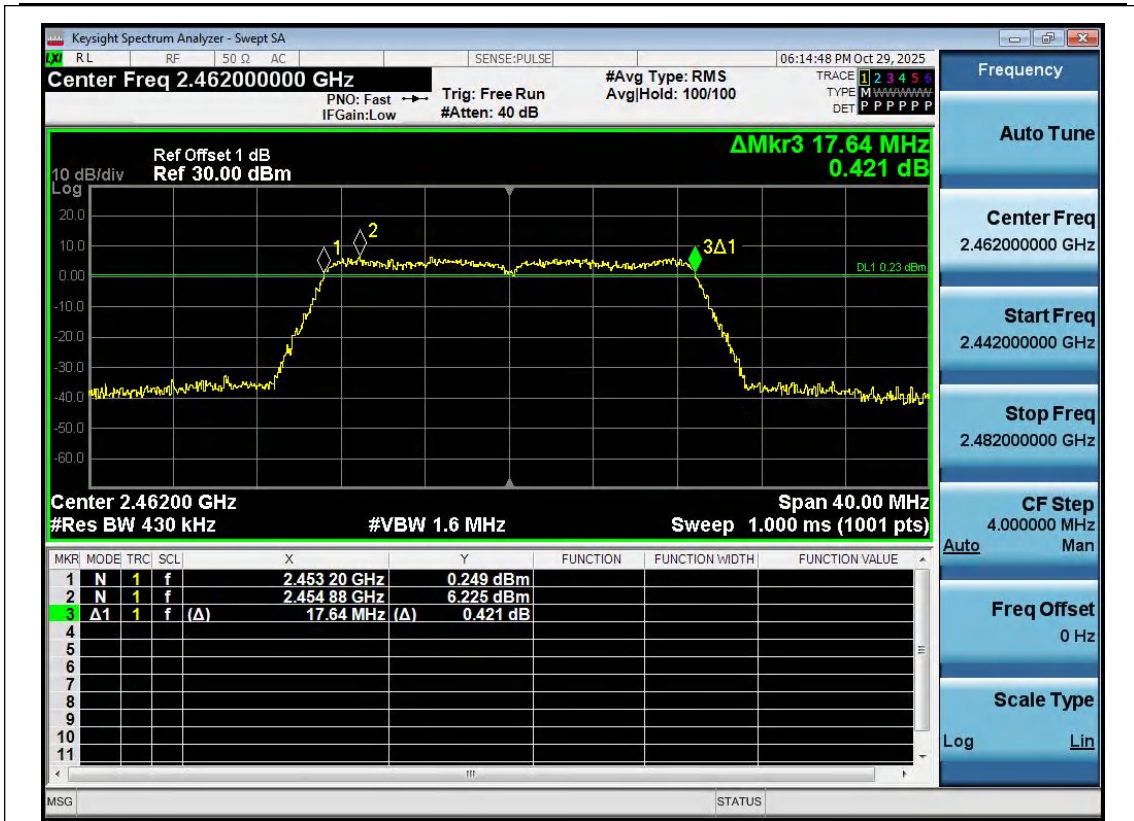


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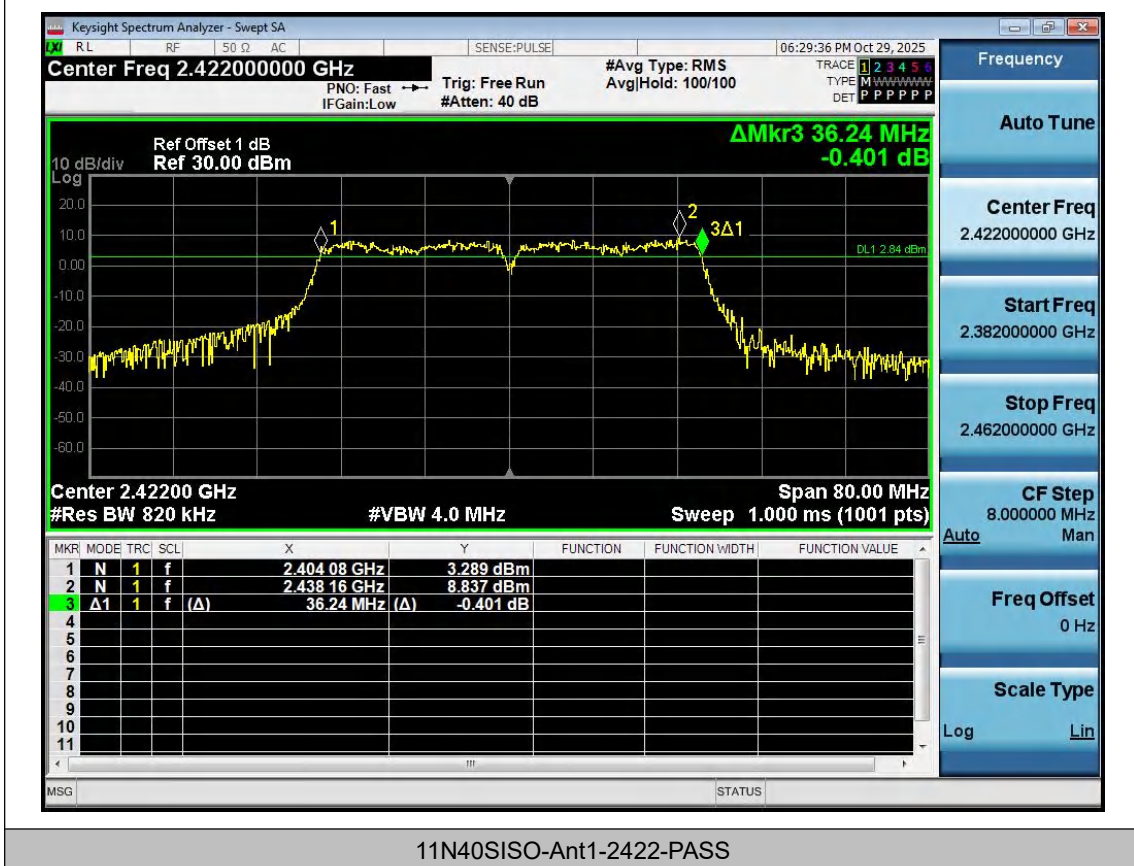
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11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS

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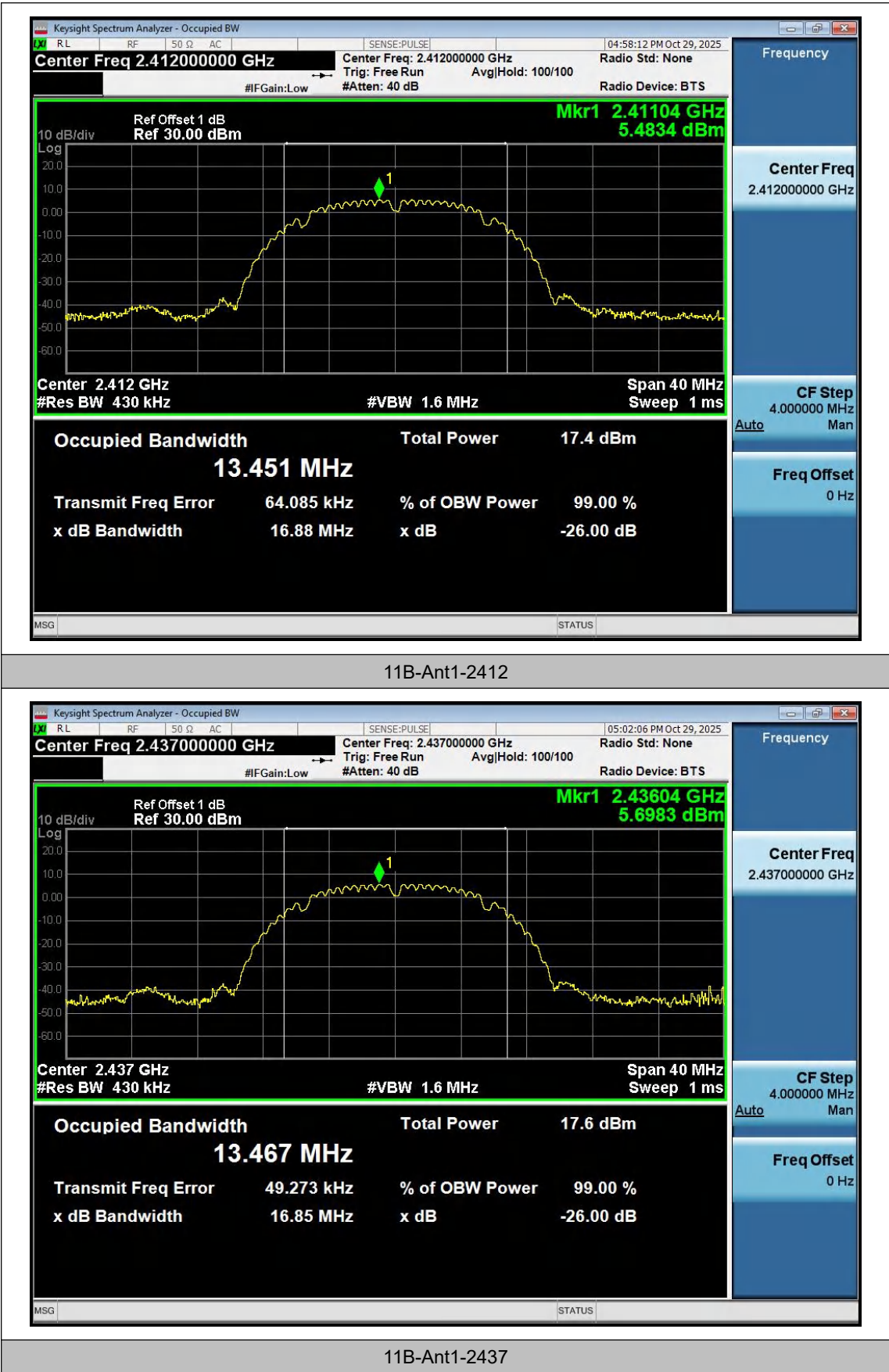
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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.451	2405.3386	2418.7896	---	---
11B	Ant1	2437	13.467	2430.3158	2443.7828	---	---
11B	Ant1	2462	13.537	2455.2573	2468.7943	---	---
11G	Ant1	2412	16.952	2403.5713	2420.5233	---	---
11G	Ant1	2437	16.913	2428.5821	2445.4951	---	---
11G	Ant1	2462	16.923	2453.5531	2470.4761	---	---
11N20SISO	Ant1	2412	17.824	2403.1495	2420.9735	---	---
11N20SISO	Ant1	2437	17.834	2428.1278	2445.9618	---	---
11N20SISO	Ant1	2462	17.842	2453.1439	2470.9859	---	---
11N40SISO	Ant1	2422	36.433	2403.8628	2440.2958	---	---
11N40SISO	Ant1	2437	36.409	2418.8811	2455.2901	---	---
11N40SISO	Ant1	2452	36.525	2433.7848	2470.3098	---	---

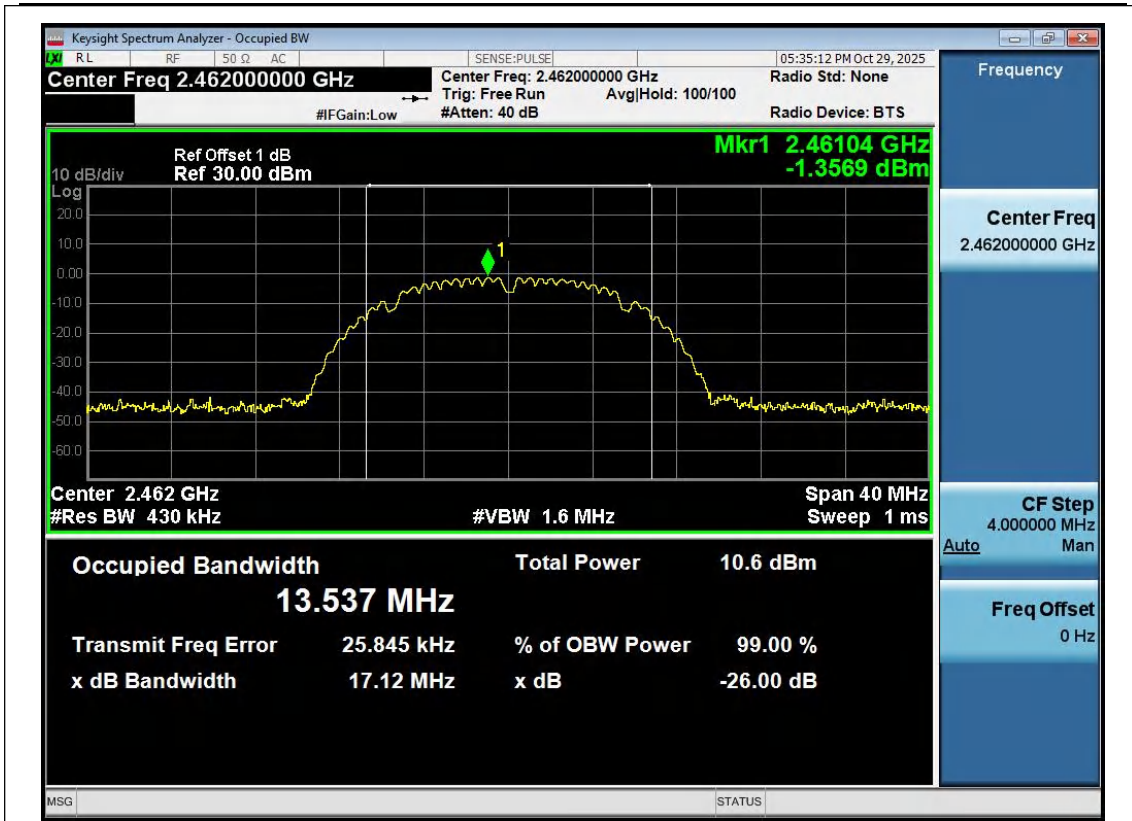
Test Graphs



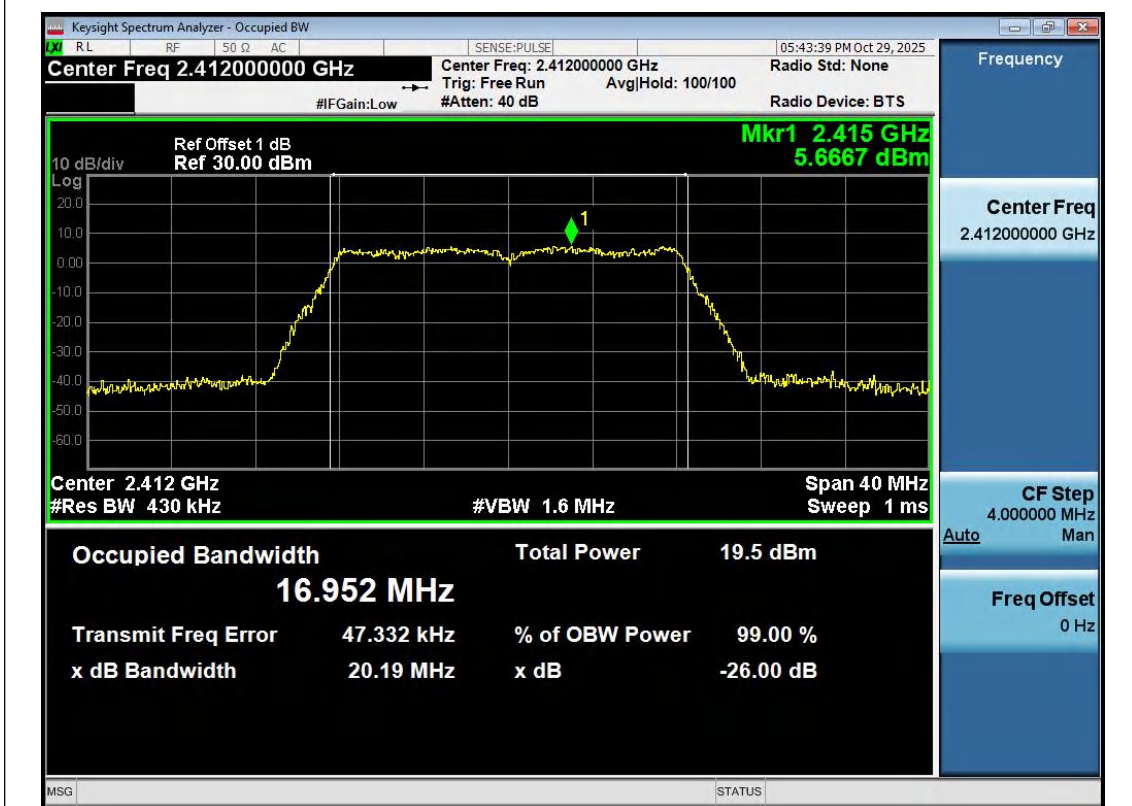
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11B-Ant1-2462

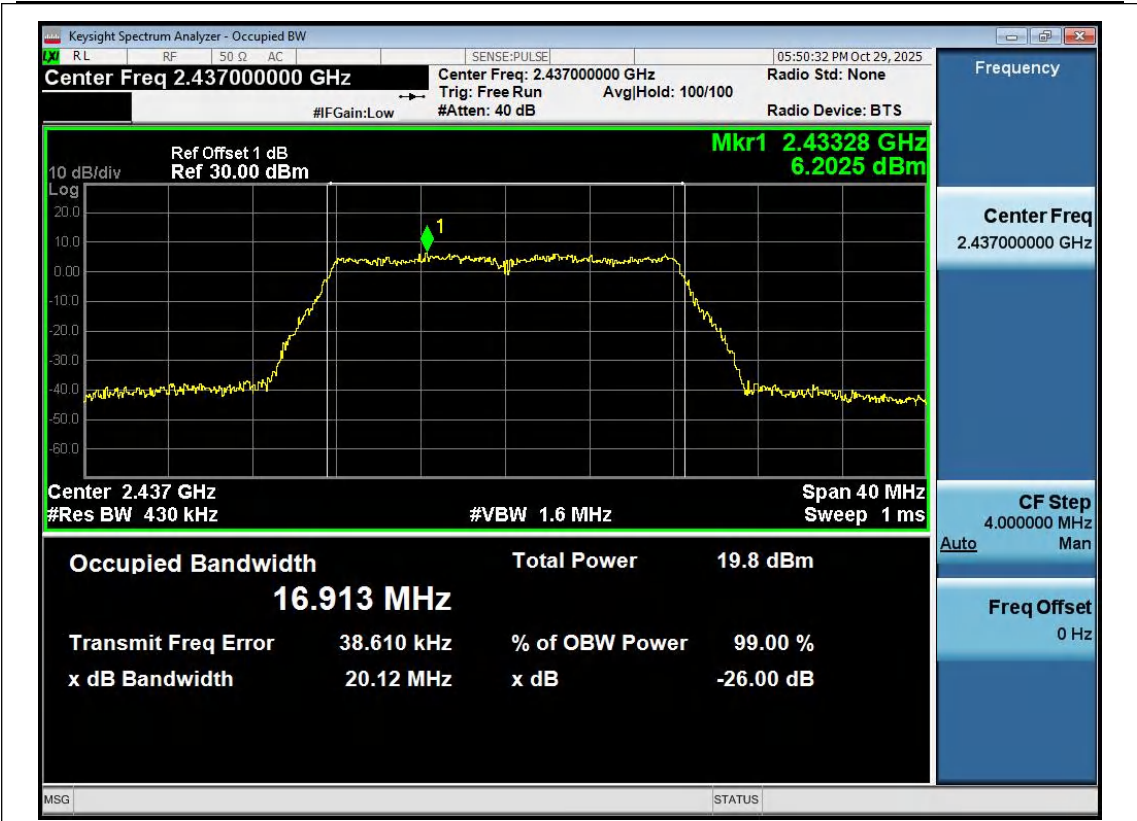


11G-Ant1-2412

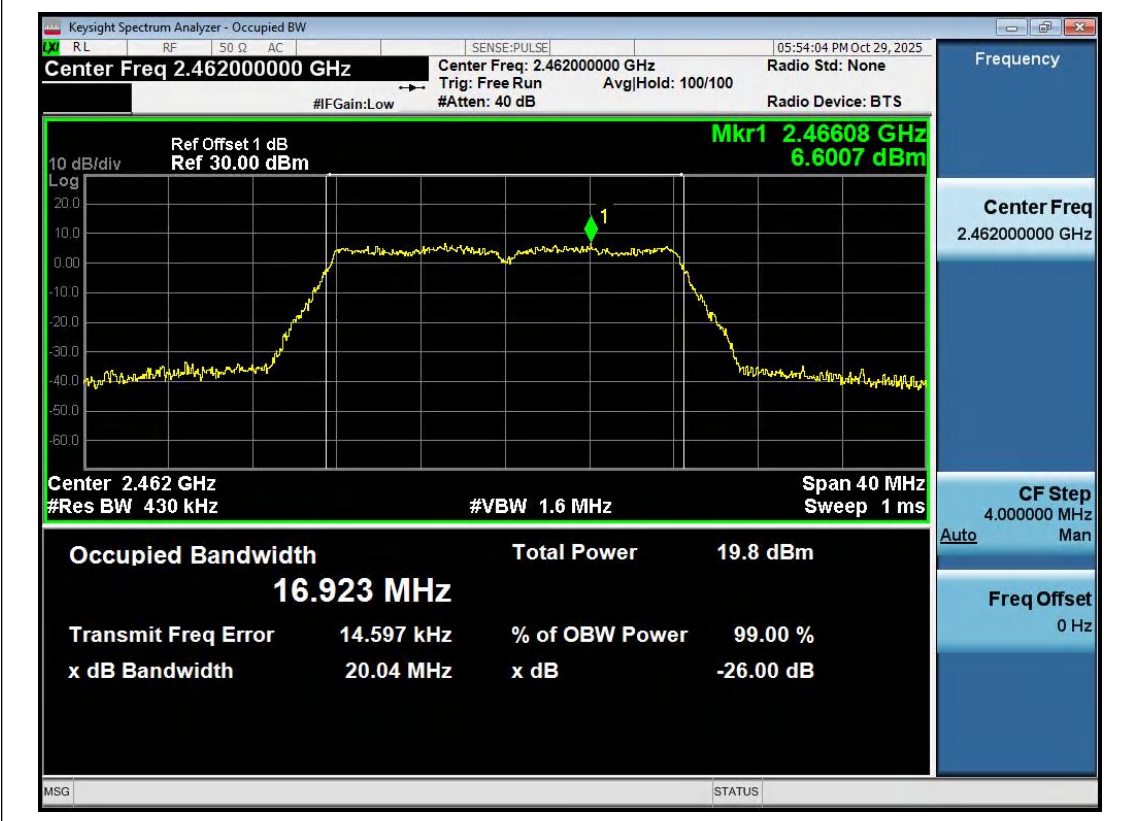
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11G-Ant1-2437



11G-Ant1-2462

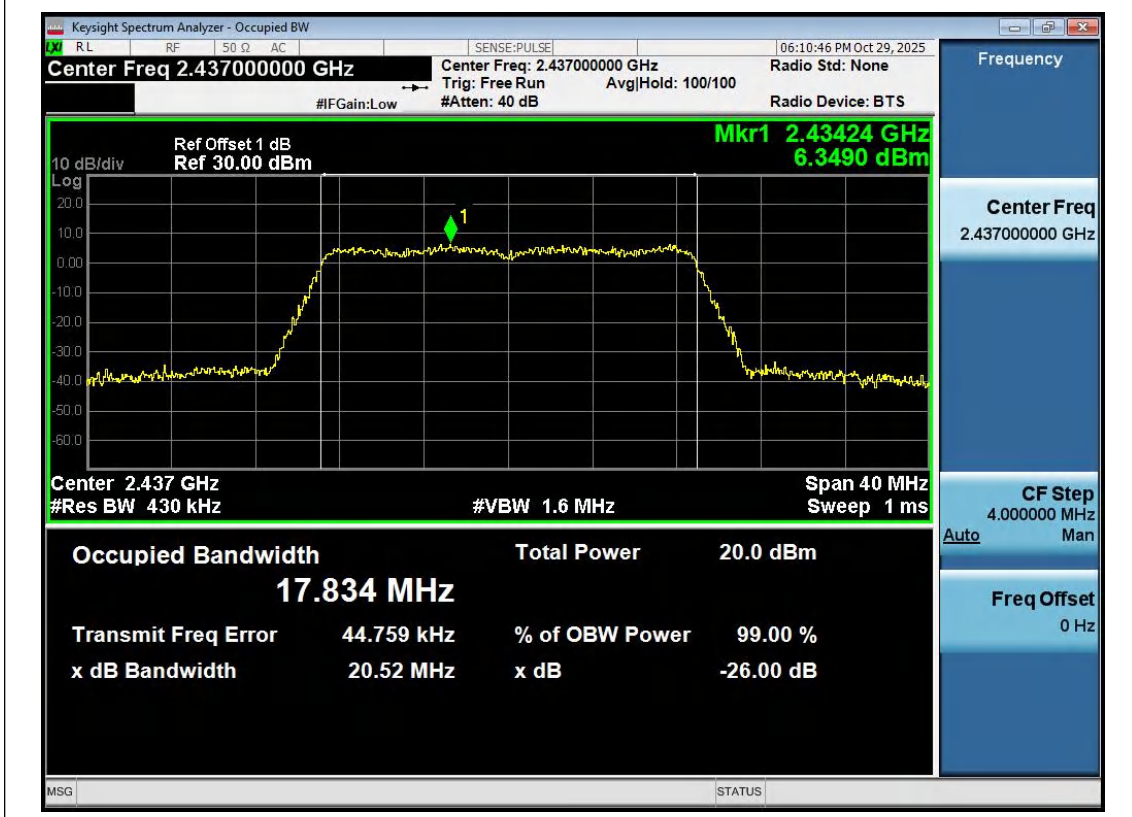
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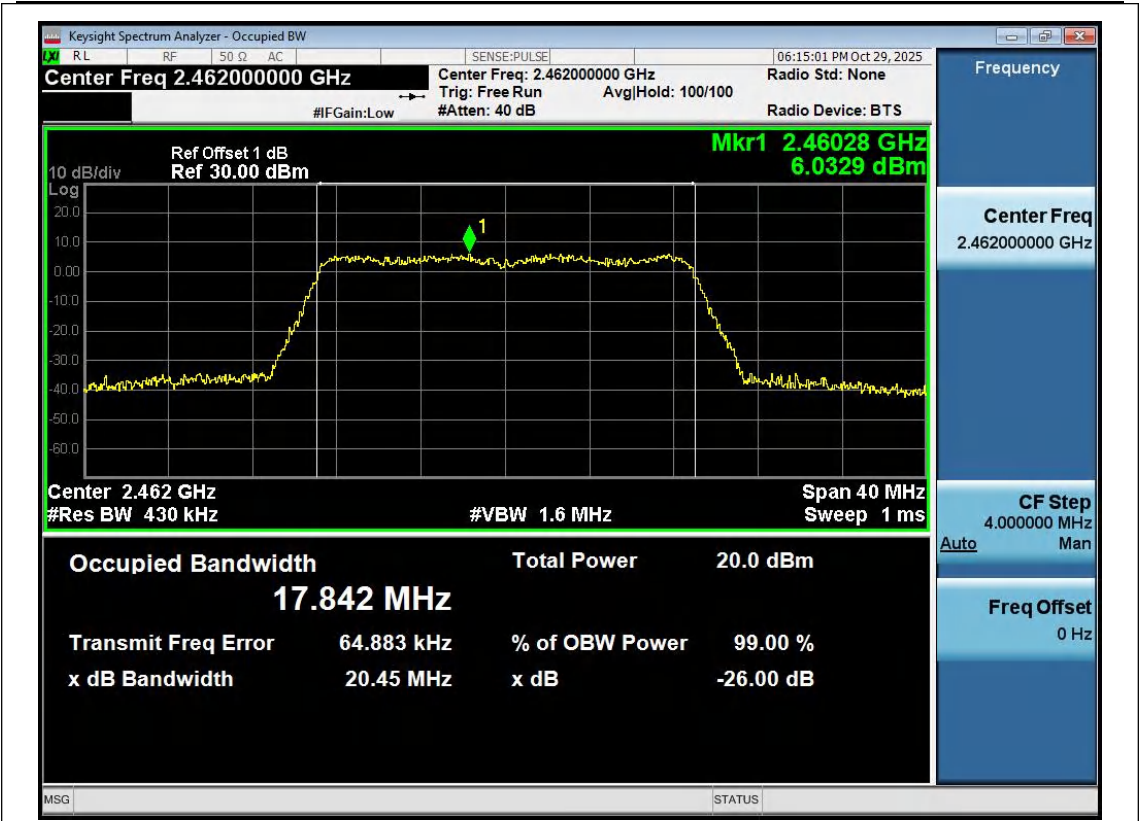


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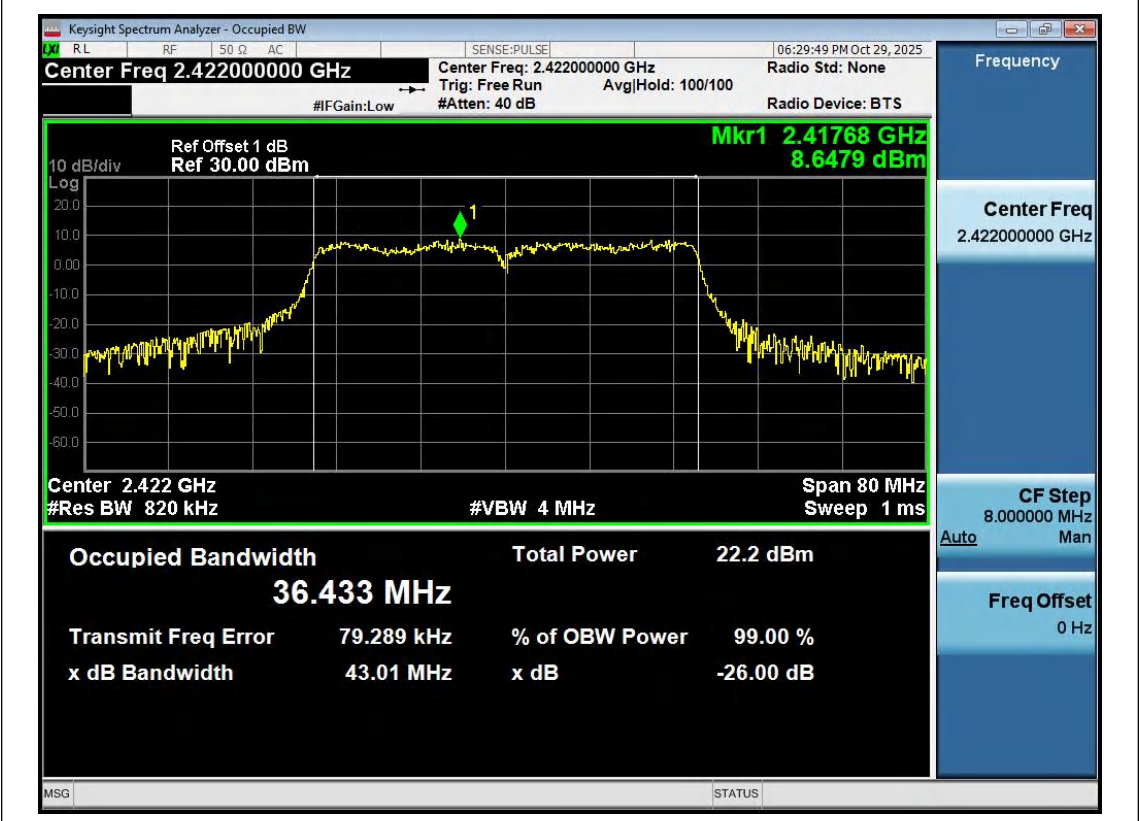
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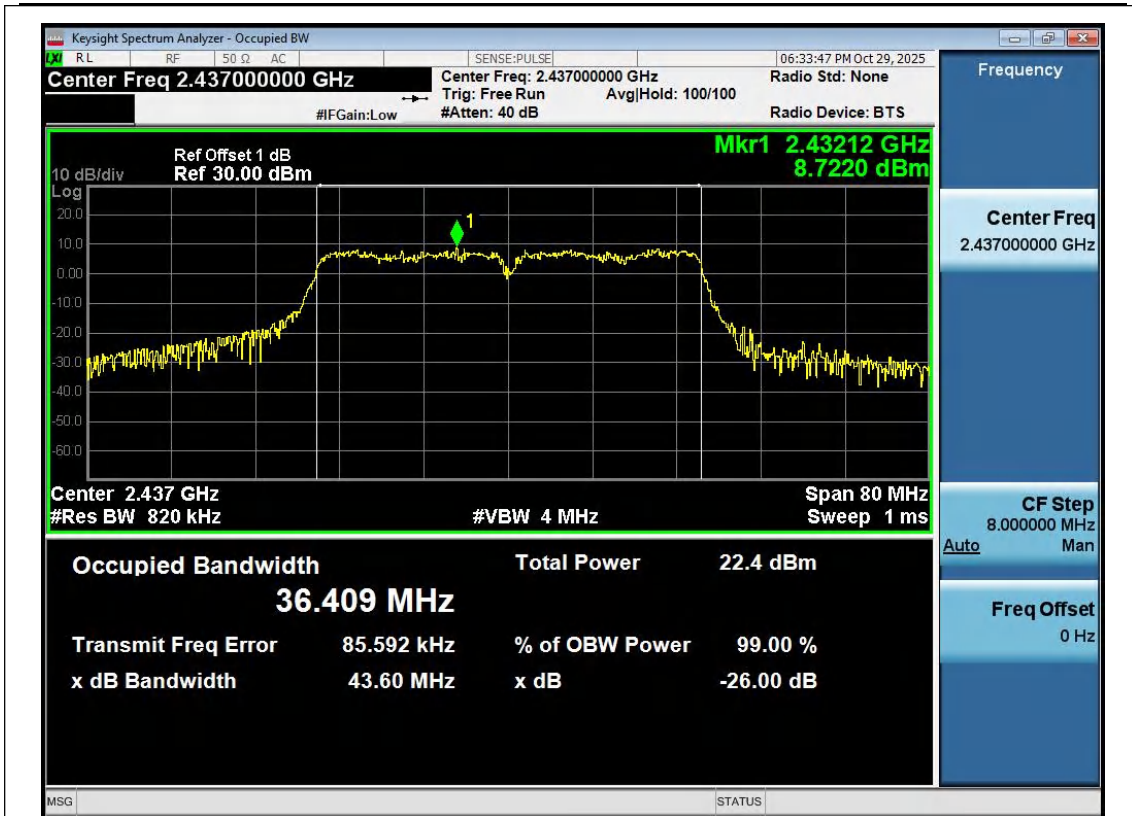


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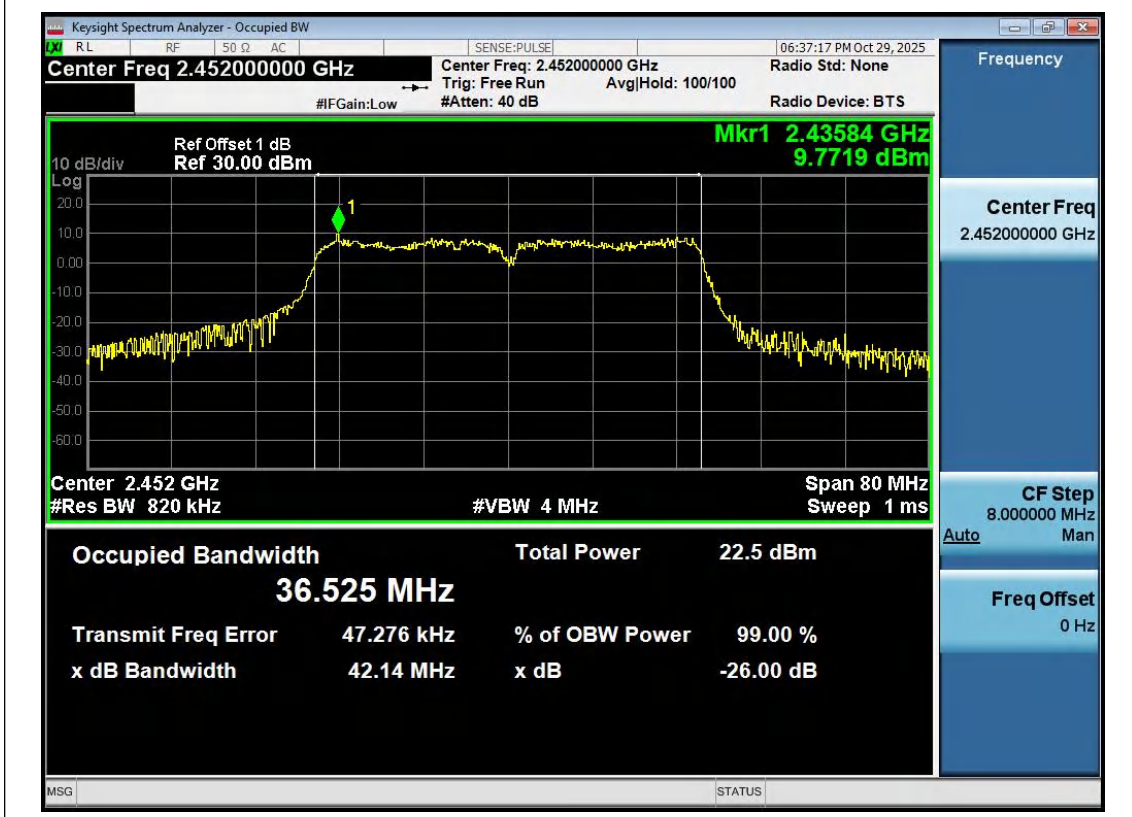
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11N40SISO-Ant1-2437



11N40SISO-Ant1-2452

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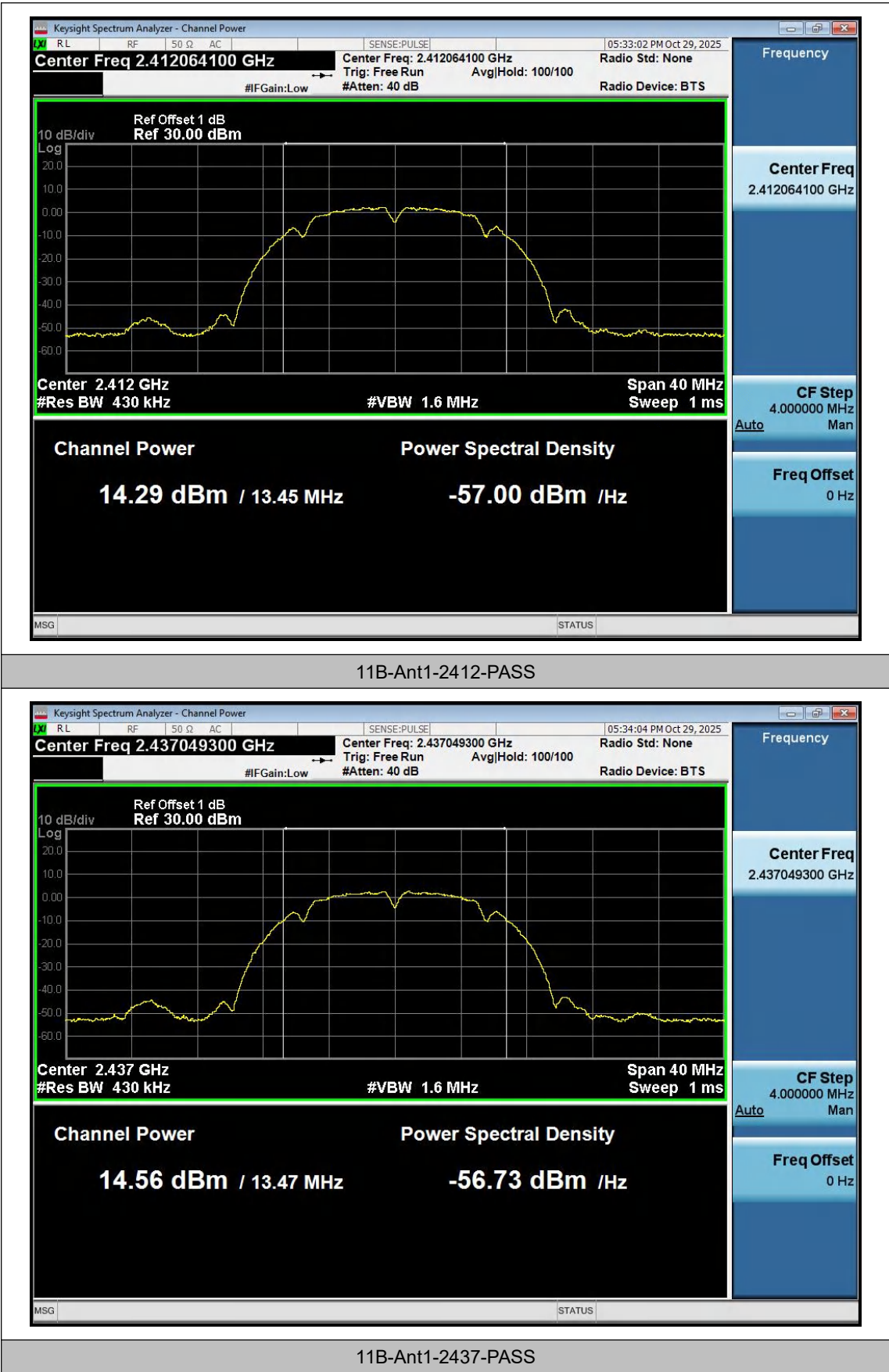
Appendix C: Maximum conducted output power

Test Result Average

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	14.29	100.00	0.00	14.29	≤30.00	PASS
11B	Ant1	2437	14.56	100.00	0.00	14.56	≤30.00	PASS
11B	Ant1	2462	14.65	100.00	0.00	14.65	≤30.00	PASS
11G	Ant1	2412	13.48	100.00	0.00	13.48	≤30.00	PASS
11G	Ant1	2437	13.64	100.00	0.00	13.64	≤30.00	PASS
11G	Ant1	2462	13.67	100.00	0.00	13.67	≤30.00	PASS
11N20SISO	Ant1	2412	13.54	100.00	0.00	13.54	≤30.00	PASS
11N20SISO	Ant1	2437	13.92	100.00	0.00	13.92	≤30.00	PASS
11N20SISO	Ant1	2462	13.91	100.00	0.00	13.91	≤30.00	PASS
11N40SISO	Ant1	2422	14.16	100.00	0.00	14.16	≤30.00	PASS
11N40SISO	Ant1	2437	14.16	100.00	0.00	14.16	≤30.00	PASS
11N40SISO	Ant1	2452	14.37	100.00	0.00	14.37	≤30.00	PASS

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

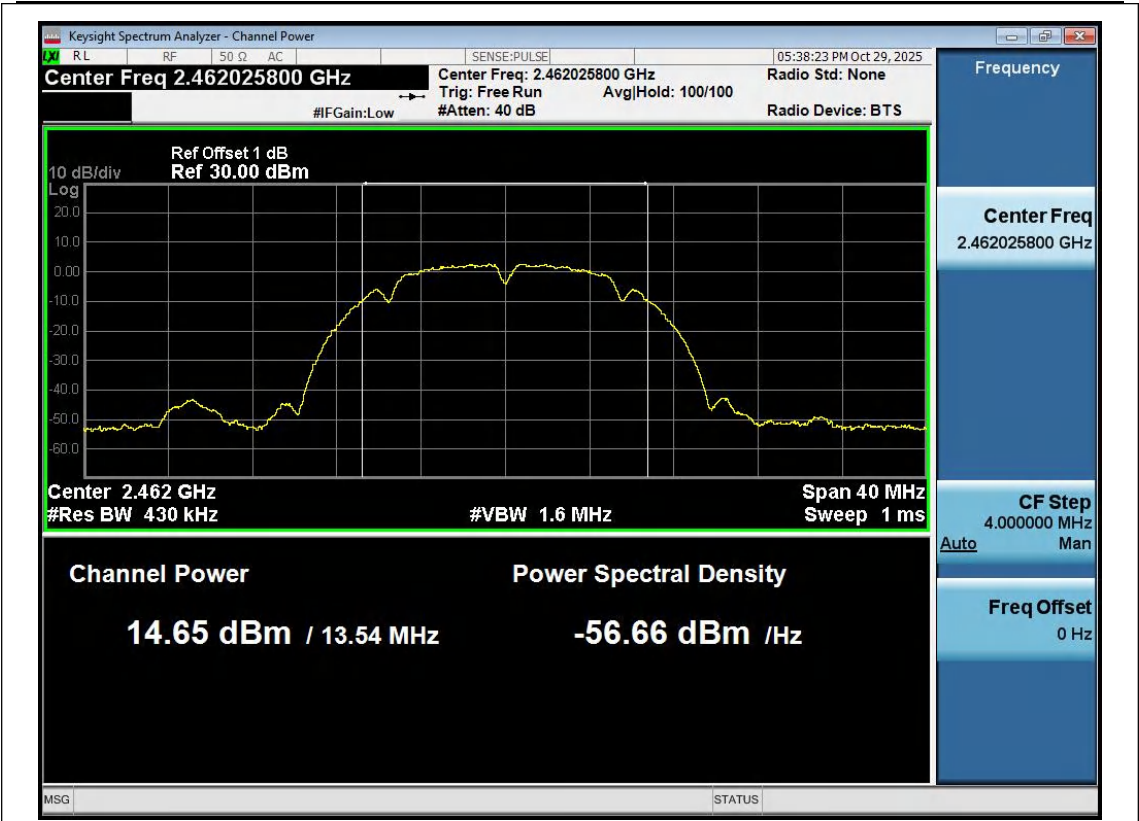
Test Graphs Average



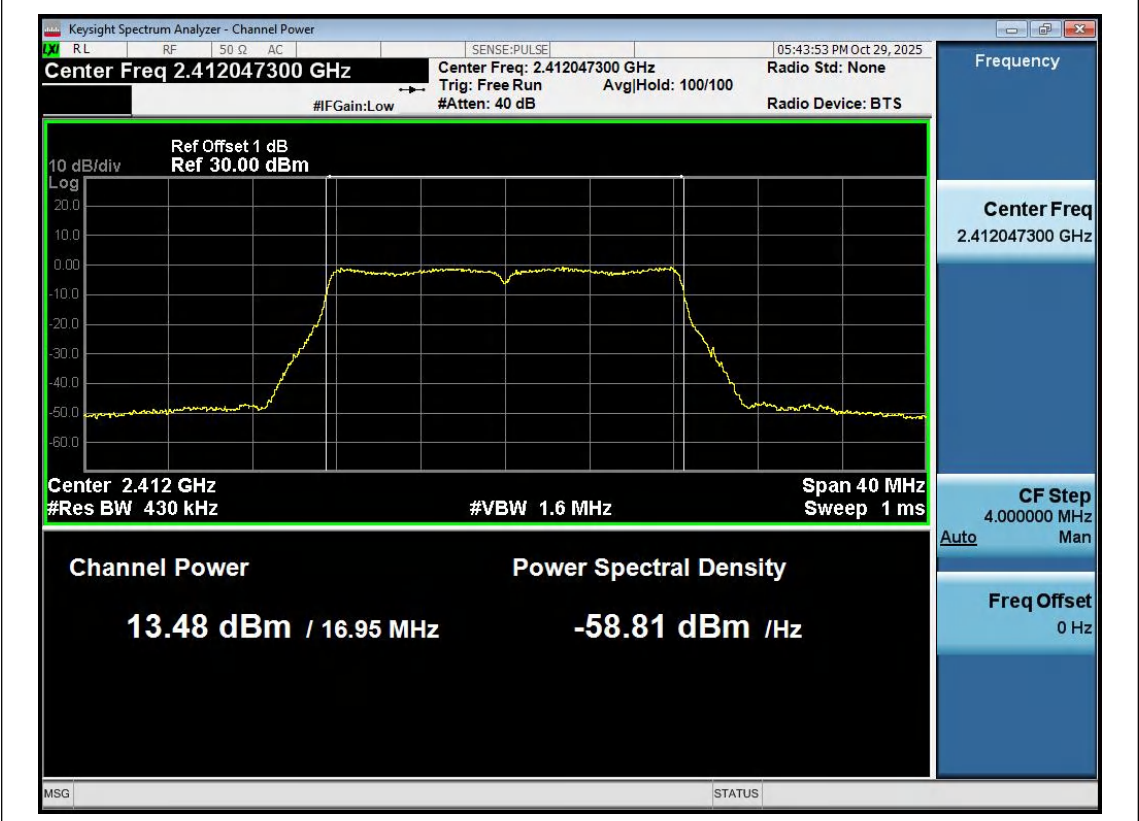
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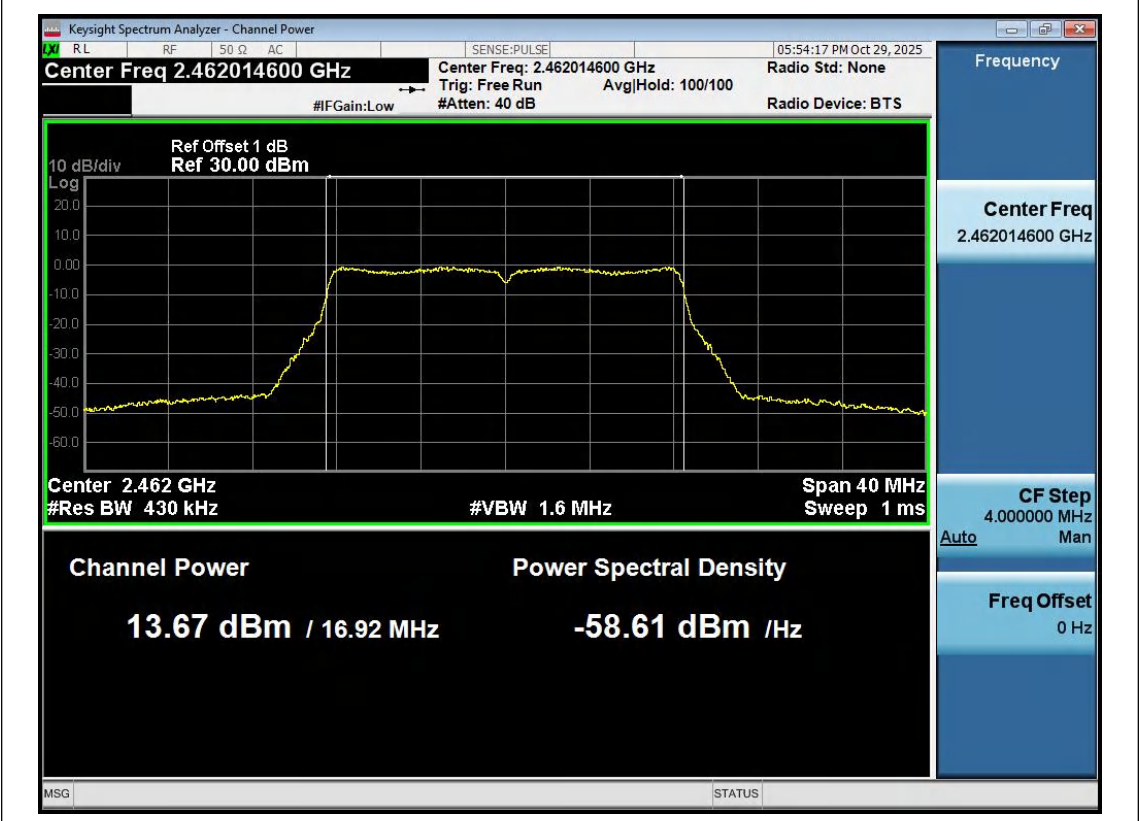
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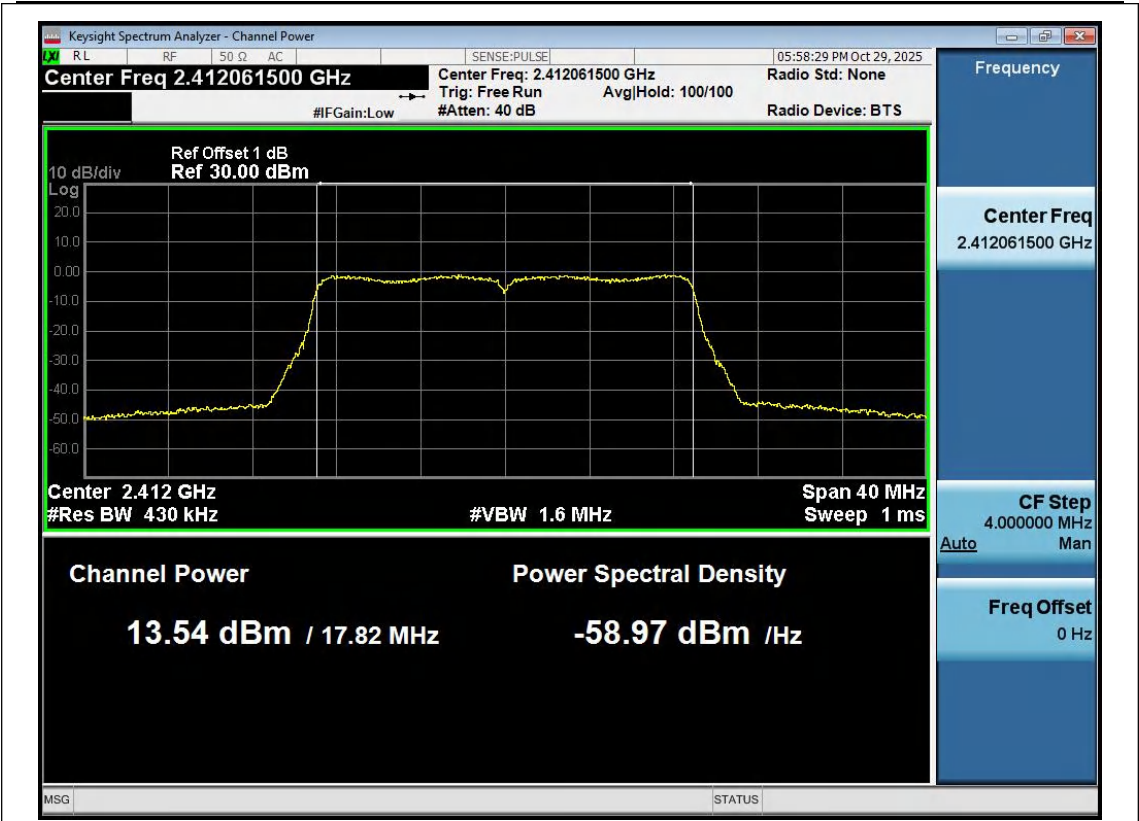
11G-Ant1-2412-PASS



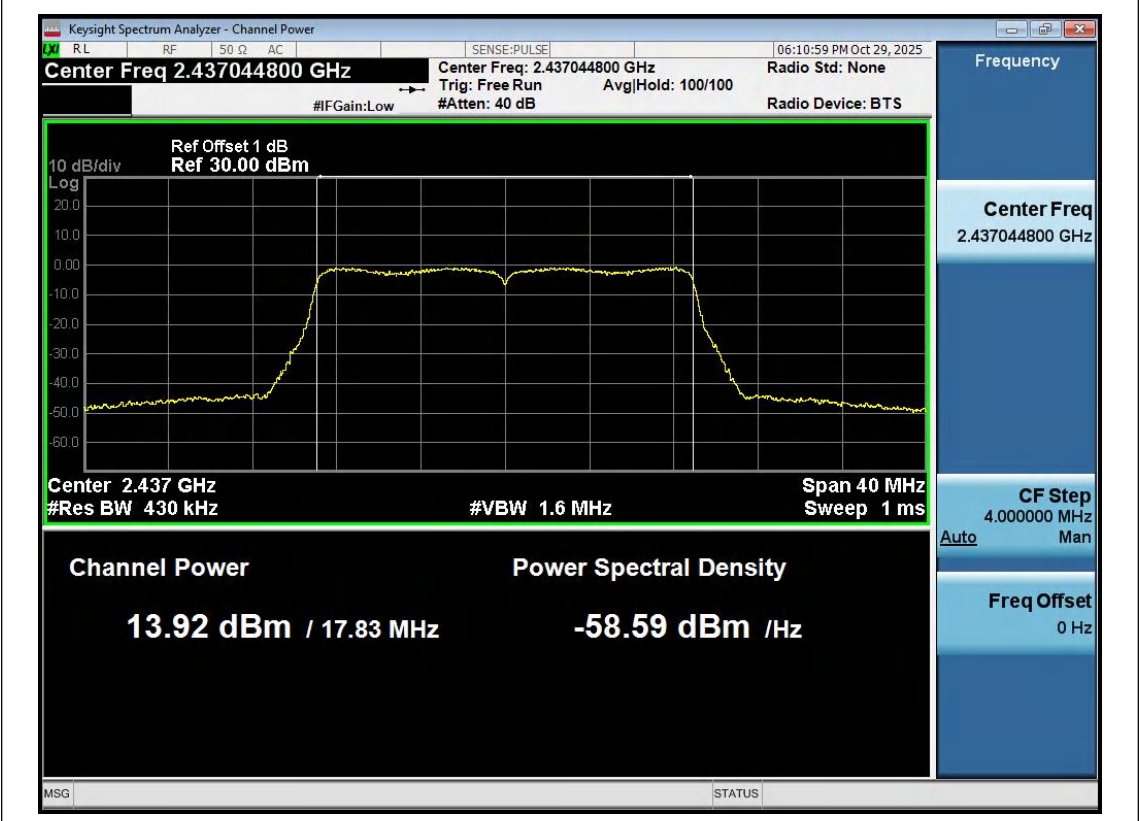
11G-Ant1-2437-PASS



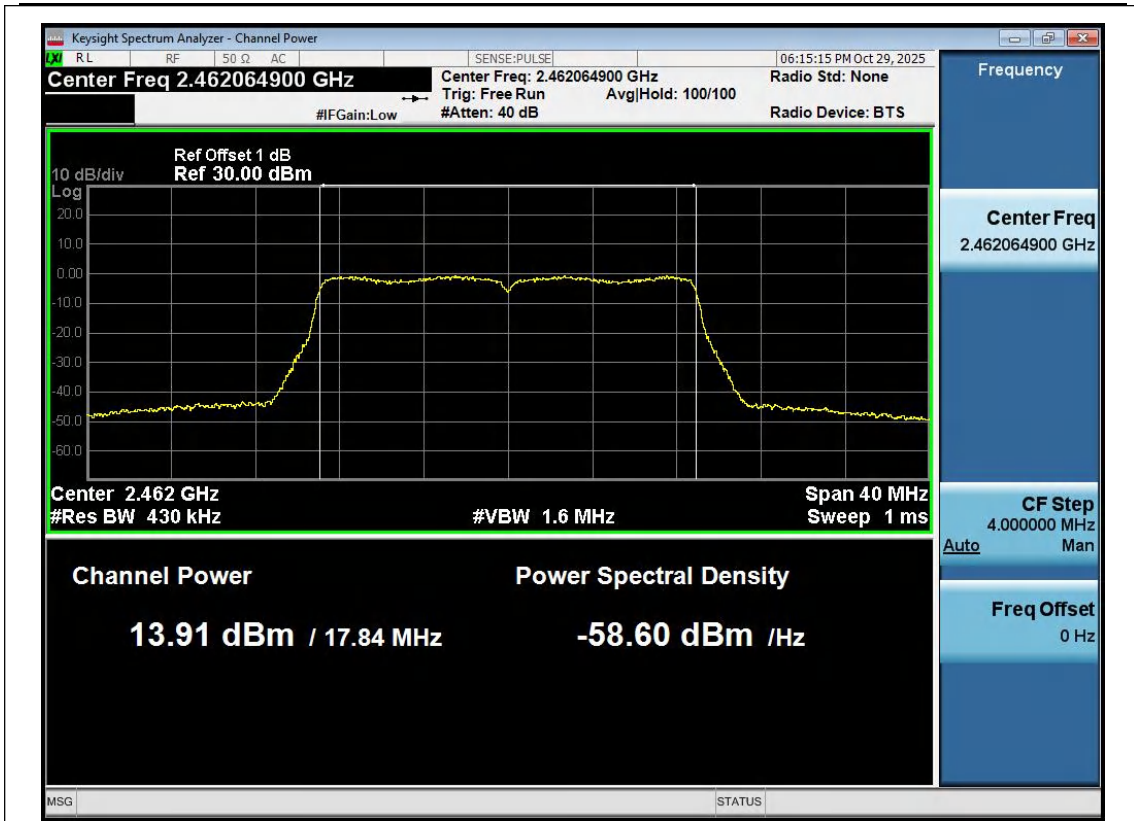
11G-Ant1-2462-PASS



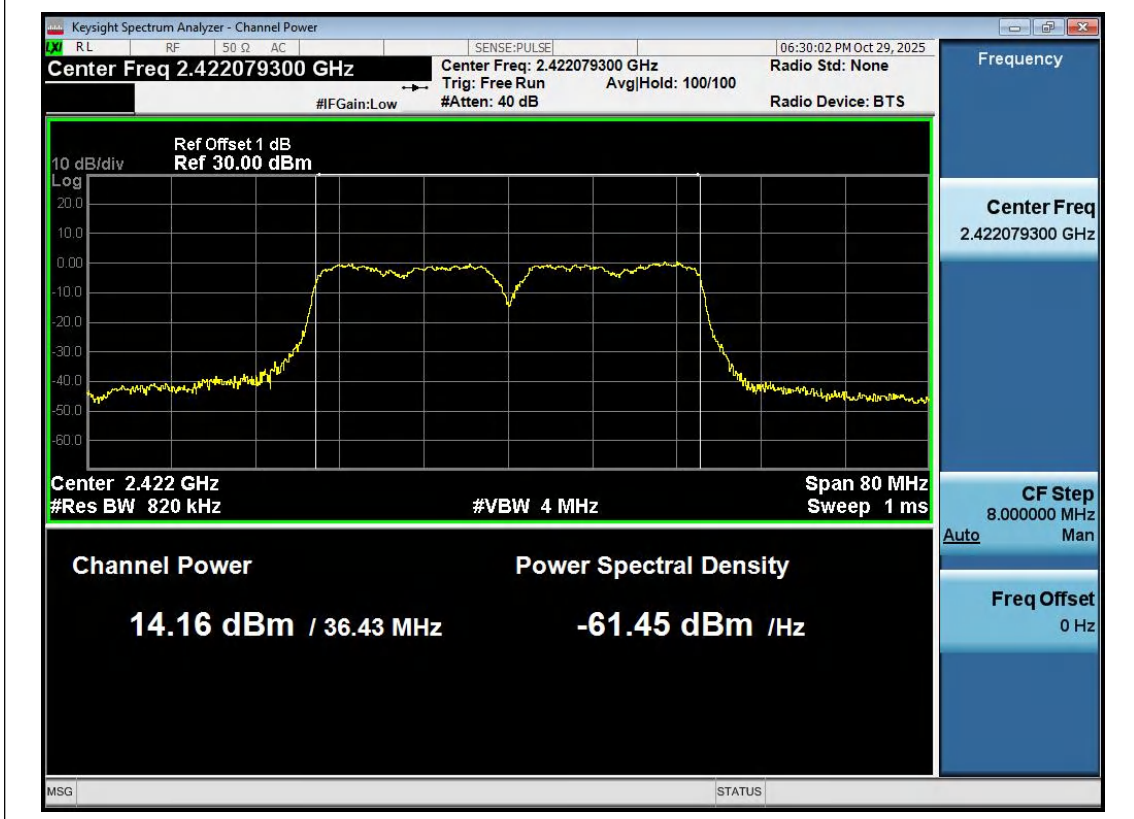
11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

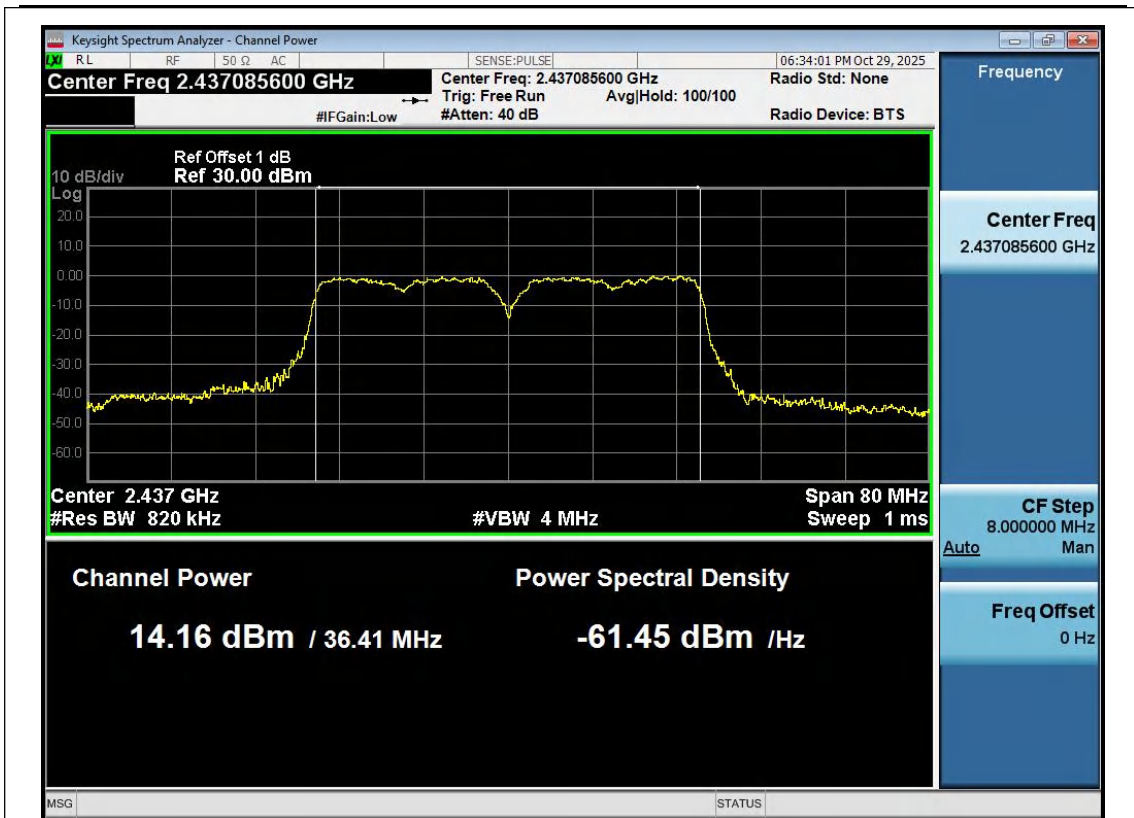


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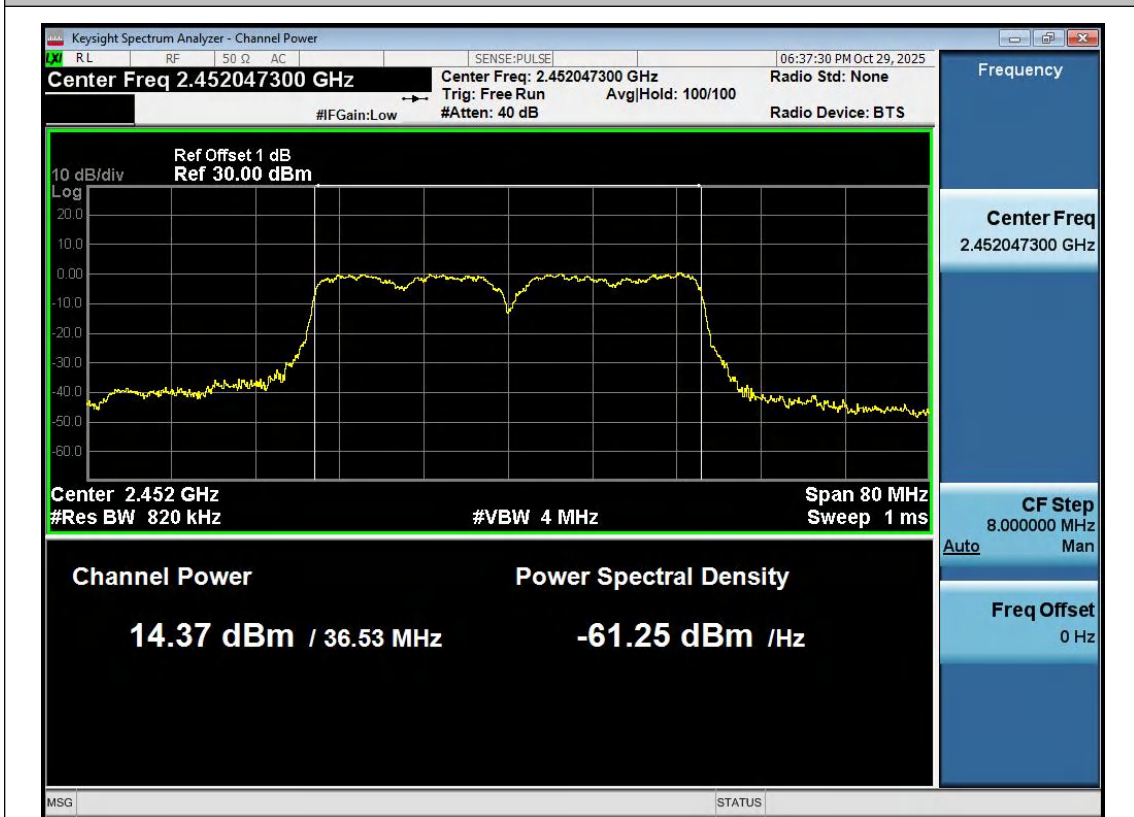
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11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/30kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.31	≤8.00	PASS
11B	Ant1	2437	-7.43	≤8.00	PASS
11B	Ant1	2462	-7.47	≤8.00	PASS
11G	Ant1	2412	-10.63	≤8.00	PASS
11G	Ant1	2437	-10.18	≤8.00	PASS
11G	Ant1	2462	-10.10	≤8.00	PASS
11N20SISO	Ant1	2412	-10.80	≤8.00	PASS
11N20SISO	Ant1	2437	-10.30	≤8.00	PASS
11N20SISO	Ant1	2462	-10.45	≤8.00	PASS
11N40SISO	Ant1	2422	-8.14	≤8.00	PASS
11N40SISO	Ant1	2437	-7.75	≤8.00	PASS
11N40SISO	Ant1	2452	-7.64	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

Test Graphs



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11B-Ant1-2462-PASS



11G-Ant1-2412-PASS

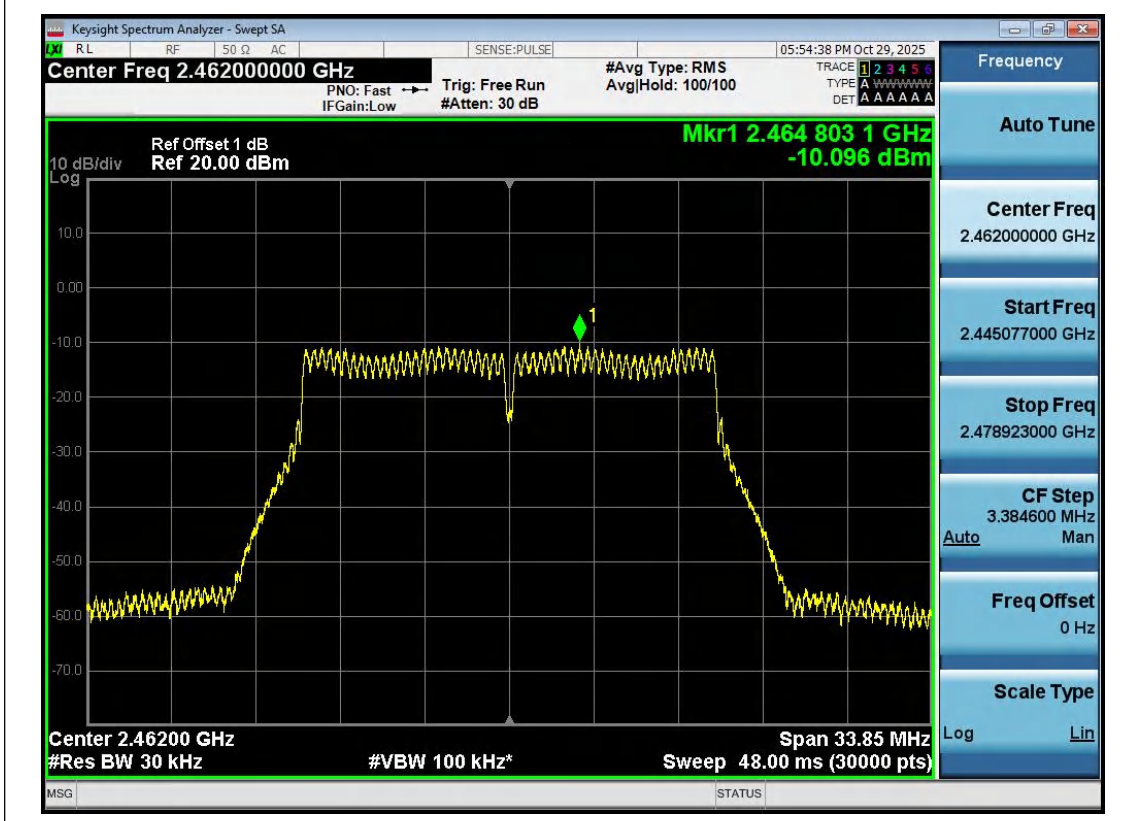
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11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS

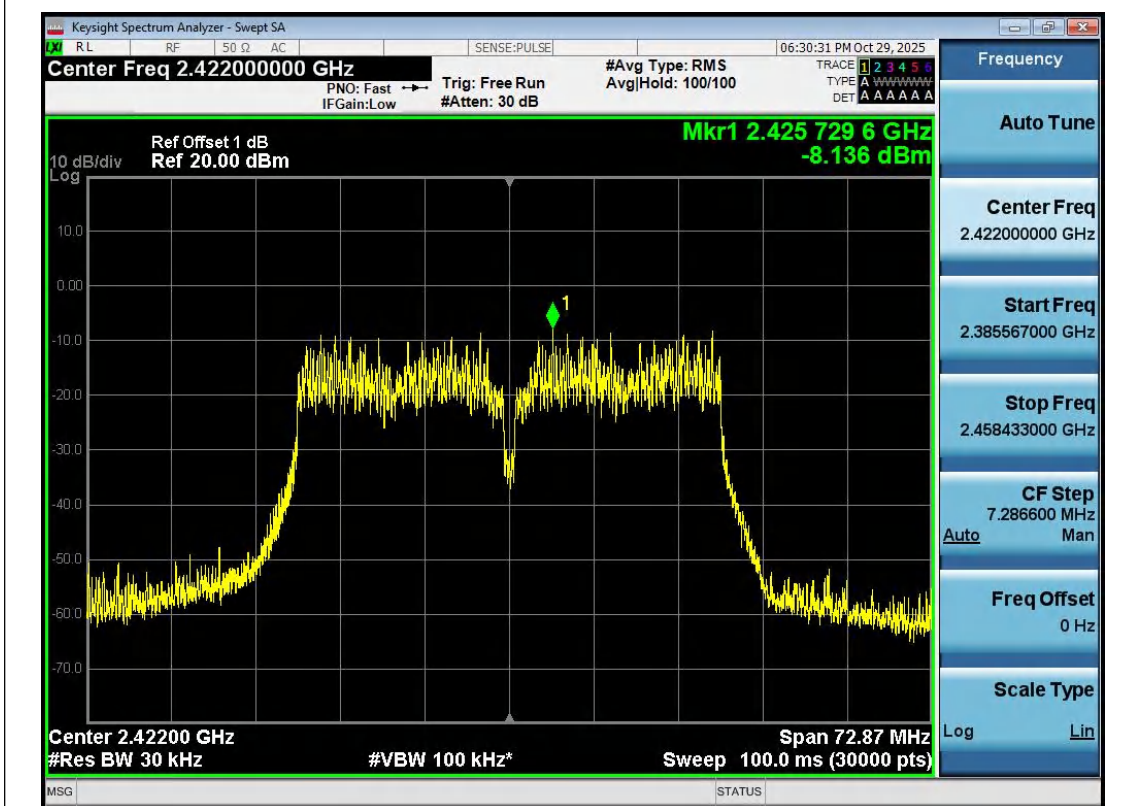
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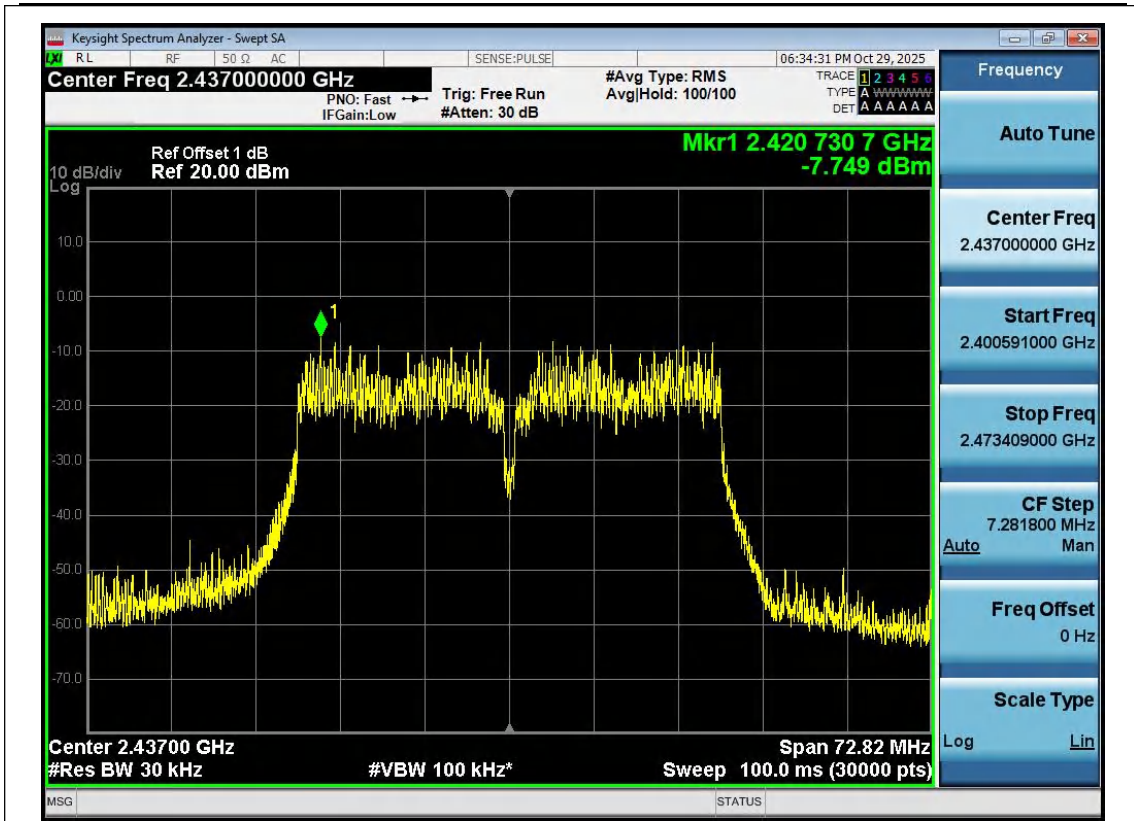


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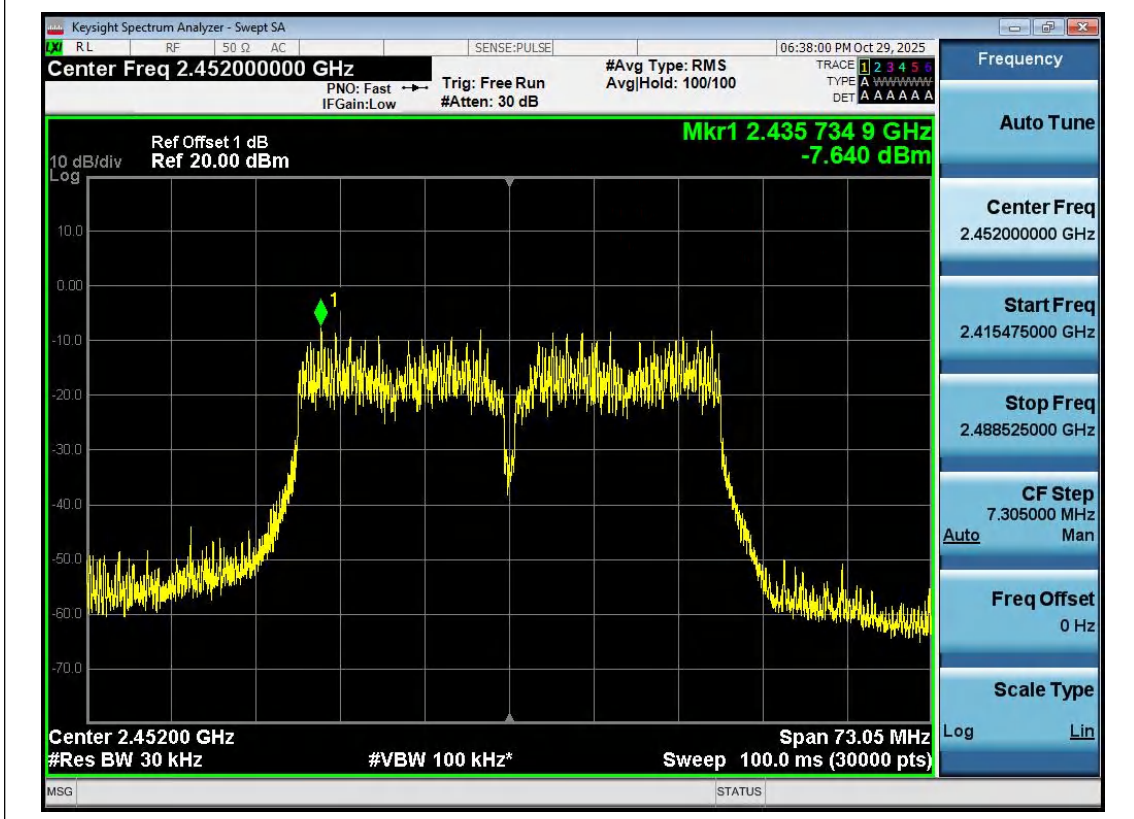
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11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS

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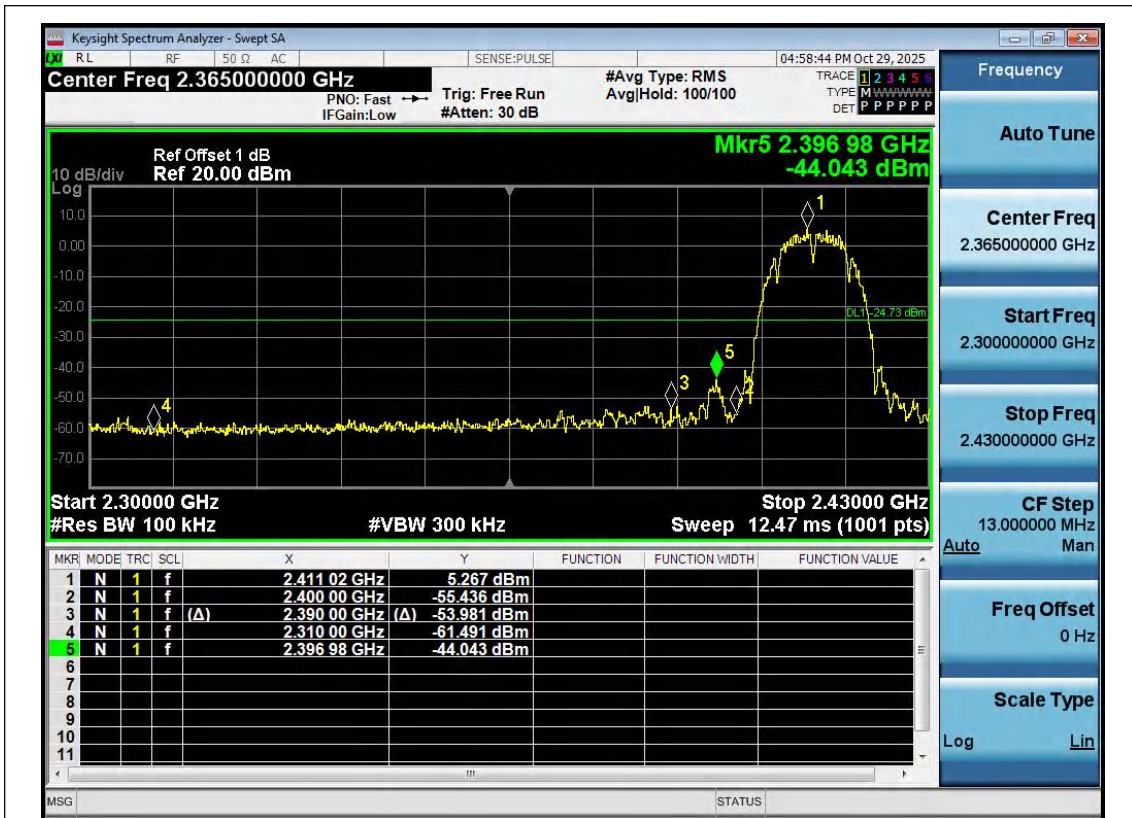
Appendix E: Conducted Band edge

Test Result

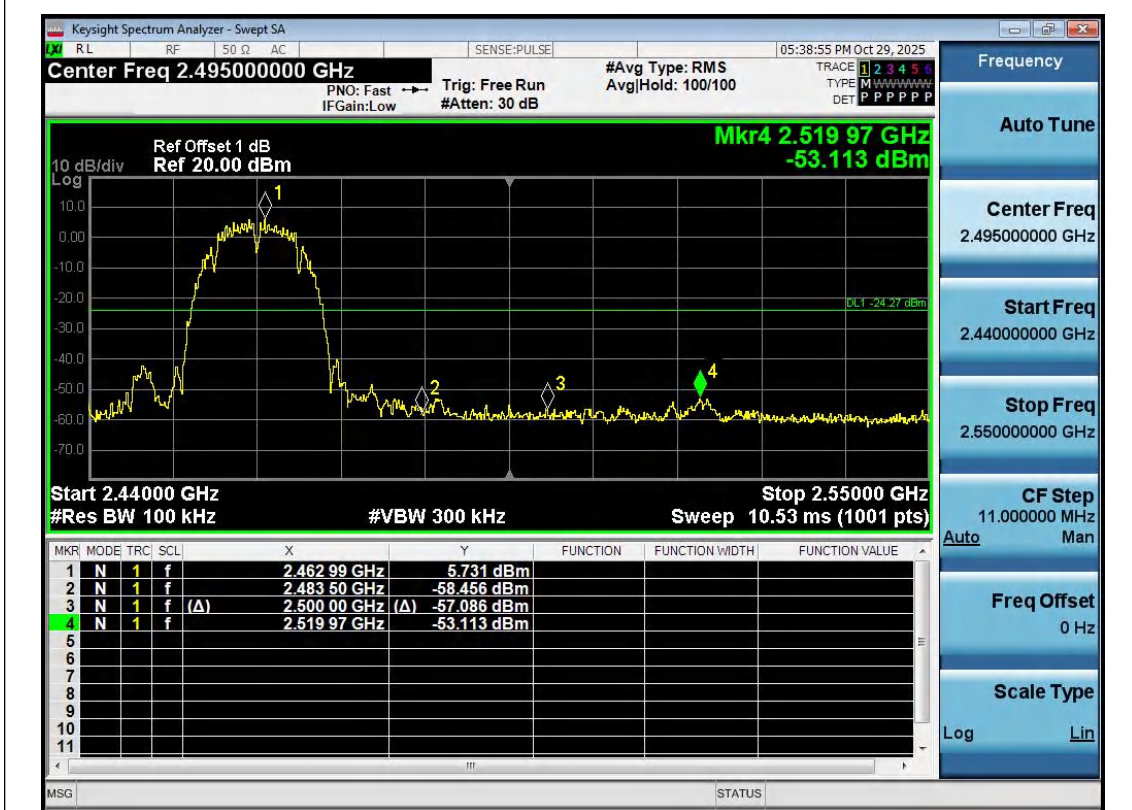
Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.27	-44.04	≤-24.73	PASS
11B	Ant1	High	2462	5.73	-53.11	≤-24.27	PASS
11G	Ant1	Low	2412	-0.43	-44.1	≤-30.43	PASS
11G	Ant1	High	2462	-0.04	-49.38	≤-30.04	PASS
11N20SISO	Ant1	Low	2412	-0.38	-42.16	≤-30.38	PASS
11N20SISO	Ant1	High	2462	0.04	-46.86	≤-29.96	PASS
11N40SISO	Ant1	Low	2422	1.83	-34.36	≤-28.17	PASS
11N40SISO	Ant1	High	2452	2.14	-40.89	≤-27.86	PASS

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

Test Graphs



11B-Ant1-2412-PASS

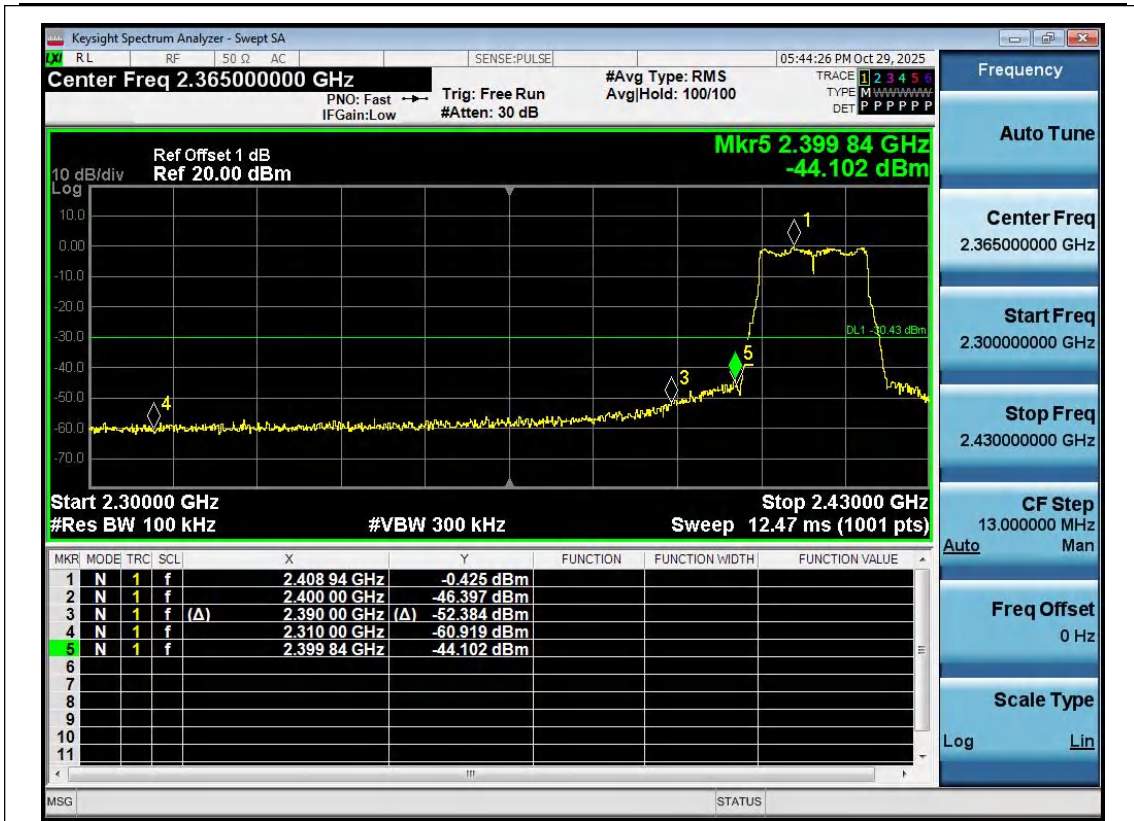


11B-Ant1-2462-PASS

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11G-Ant1-2412-PASS

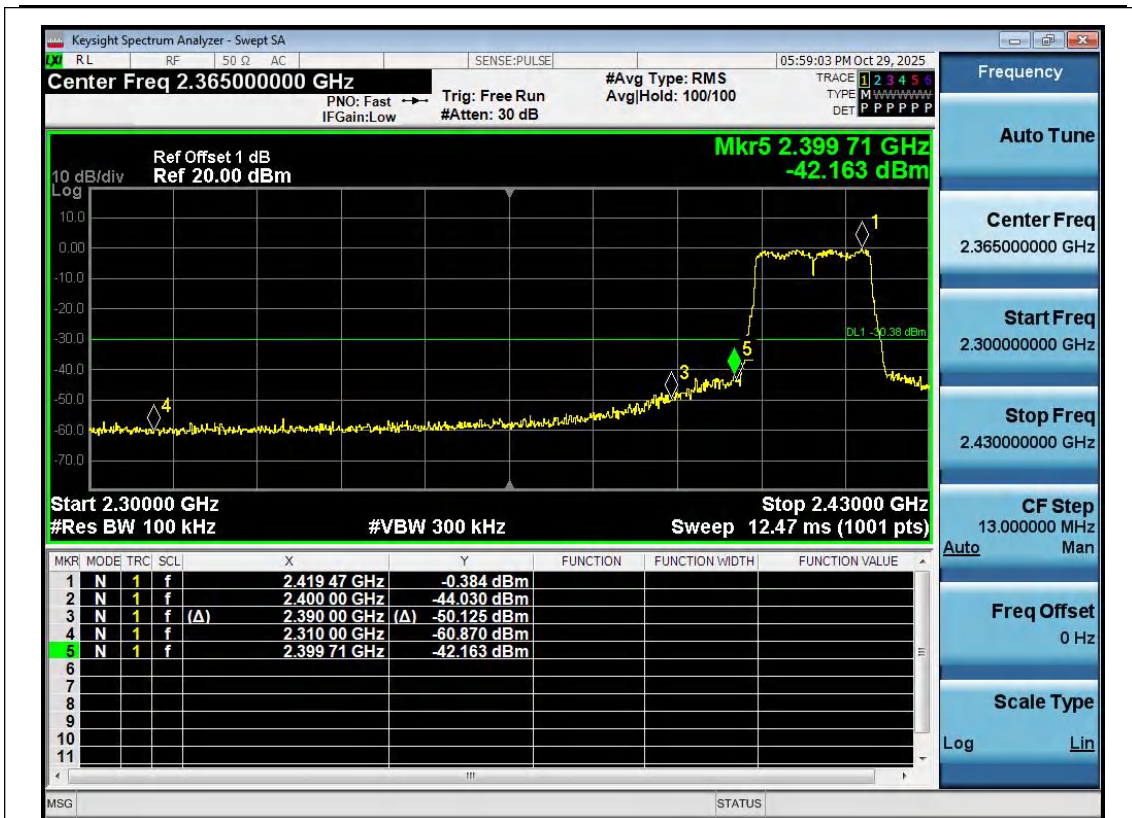


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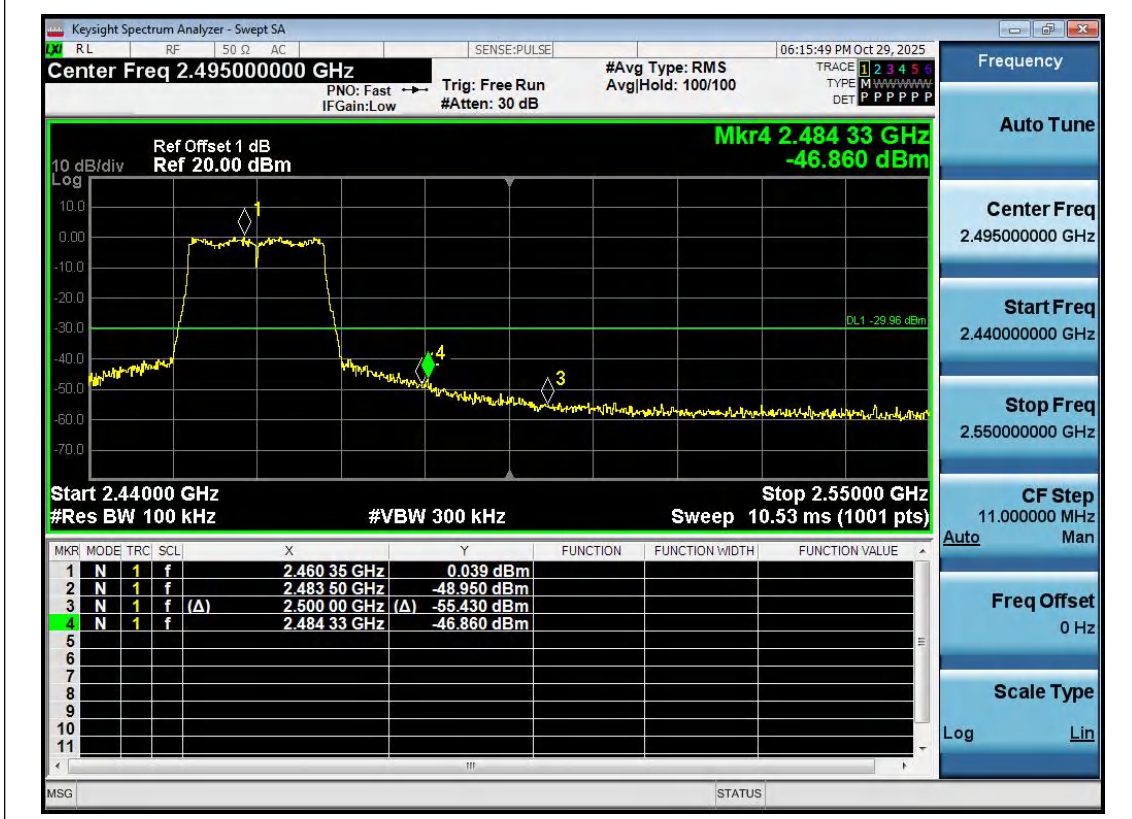
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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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