



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]	Result [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.48	-17.48	≤8.00	PASS
11B	Ant1	2437	-9.06	-19.06	≤8.00	PASS
11B	Ant1	2462	-9.25	-19.25	≤8.00	PASS
11G	Ant1	2412	-10.00	-20.00	≤8.00	PASS
11G	Ant1	2437	-9.66	-19.66	≤8.00	PASS
11G	Ant1	2462	-10.45	-20.45	≤8.00	PASS
11N20SISO	Ant1	2412	-10.04	-20.04	≤8.00	PASS
11N20SISO	Ant1	2437	-8.79	-18.79	≤8.00	PASS
11N20SISO	Ant1	2462	-10.34	-20.34	≤8.00	PASS
11N40SISO	Ant1	2422	-12.44	-22.44	≤8.00	PASS
11N40SISO	Ant1	2437	-13.32	-23.32	≤8.00	PASS
11N40SISO	Ant1	2452	-14.25	-24.25	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$

Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS

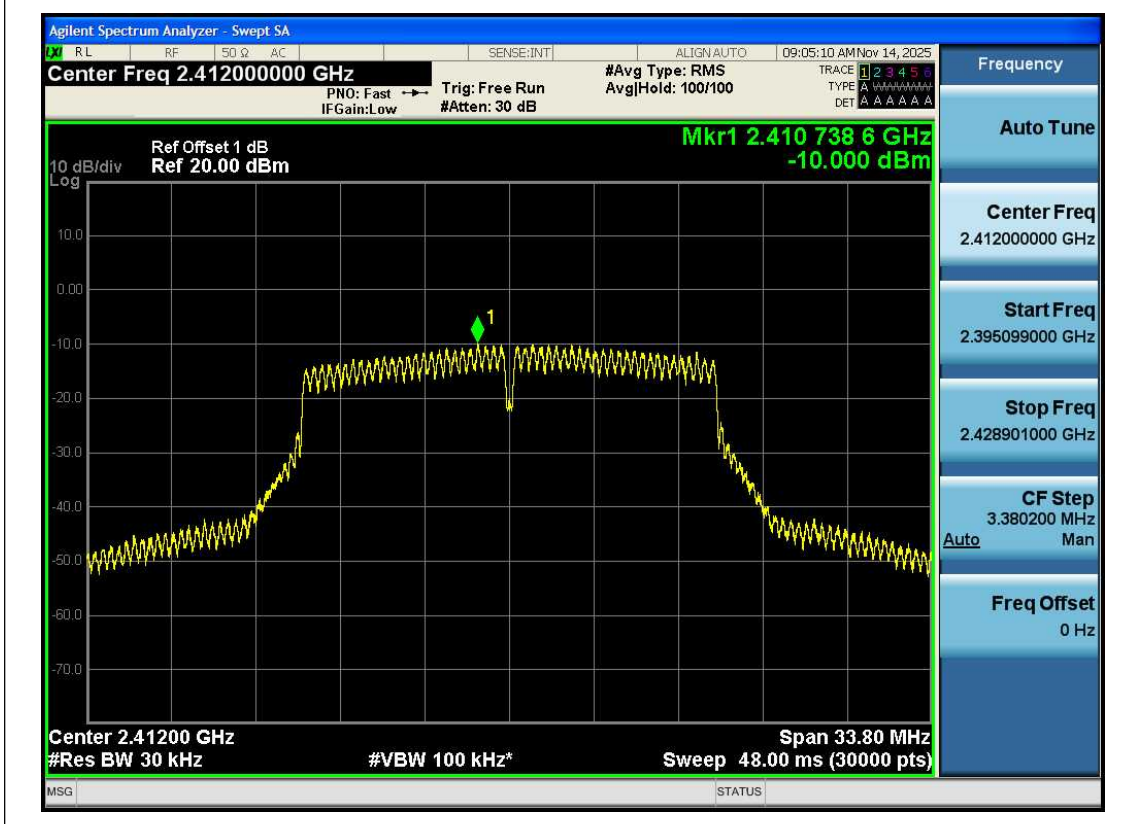
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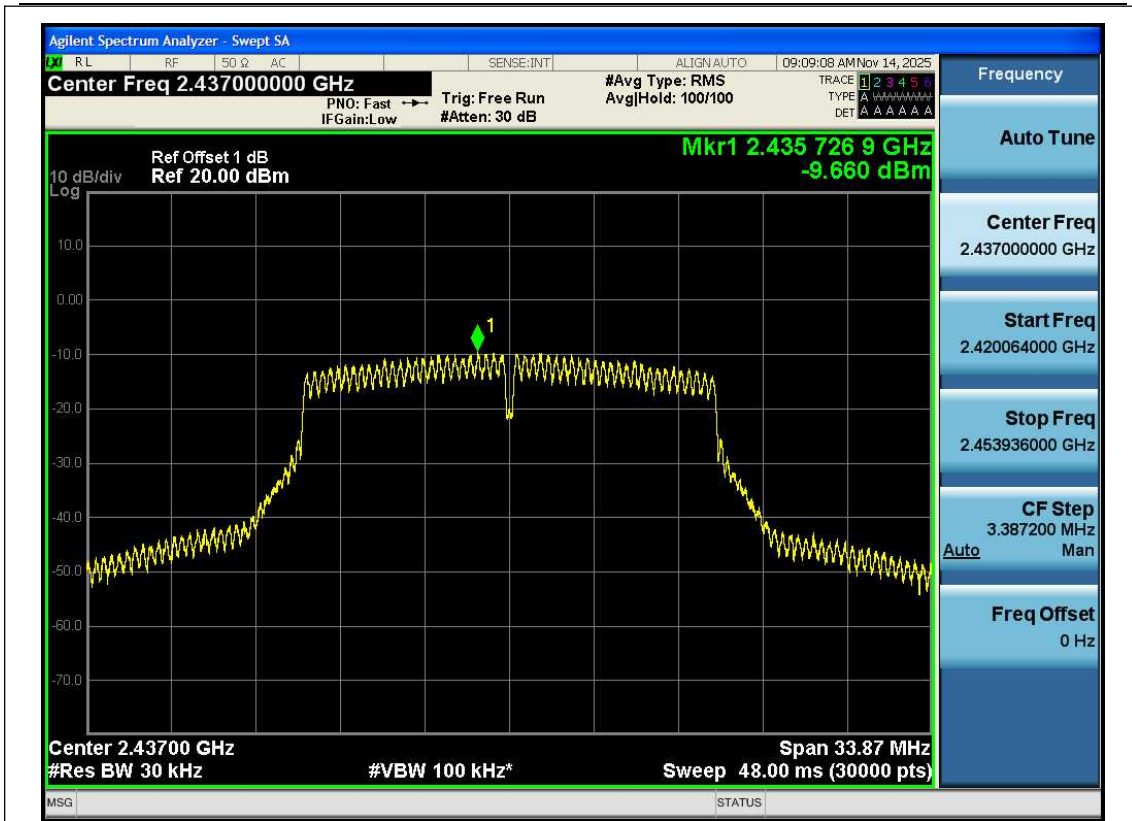


11G-Ant1-2412-PASS

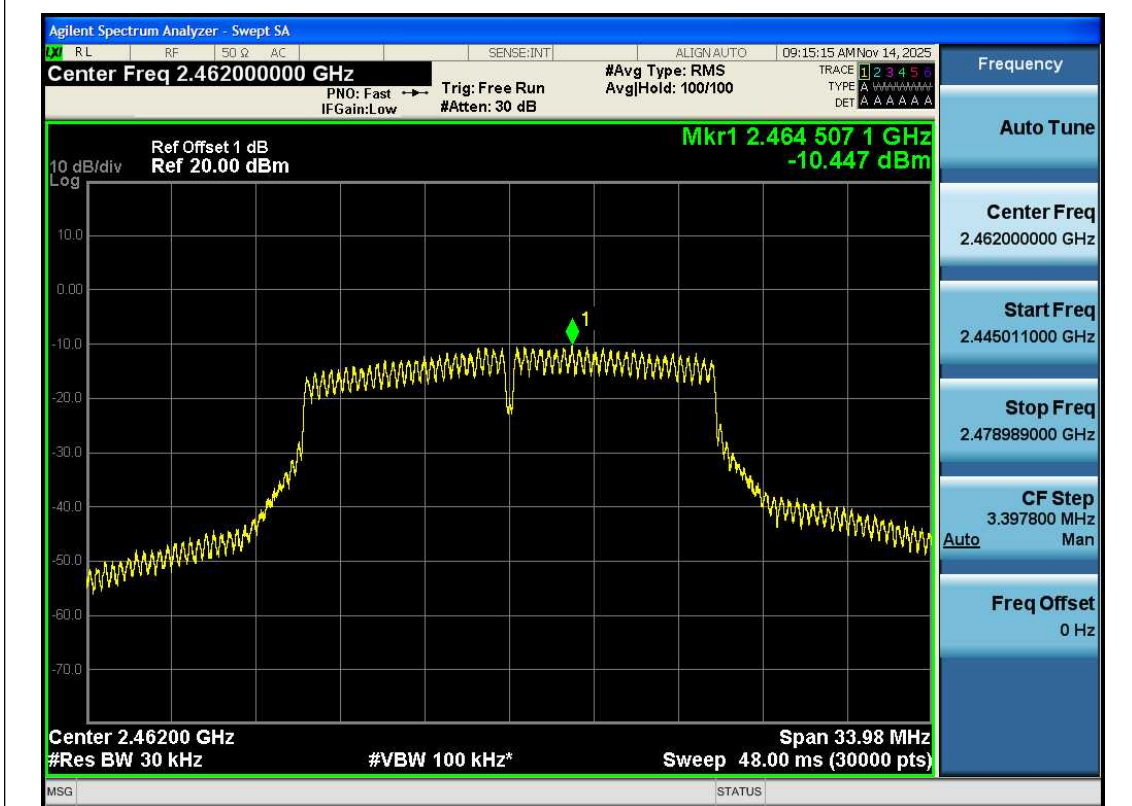
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11G-Ant1-2437-PASS

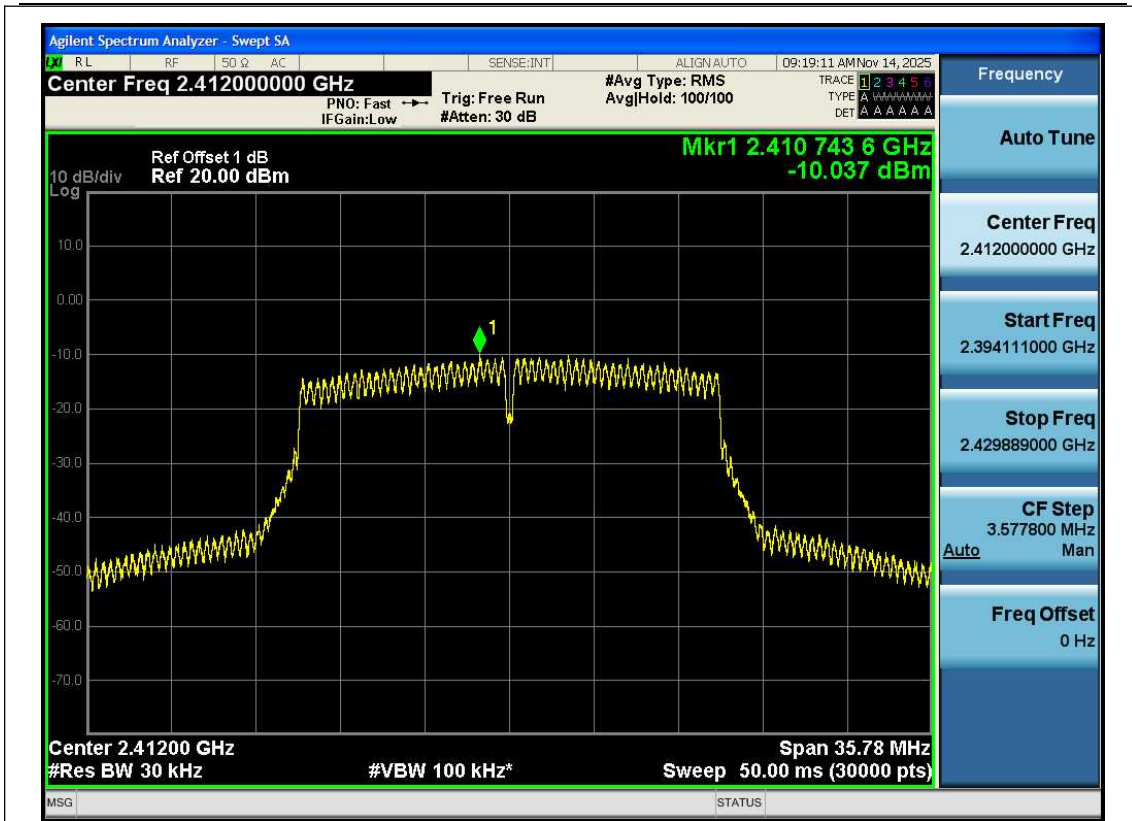


11G-Ant1-2462-PASS

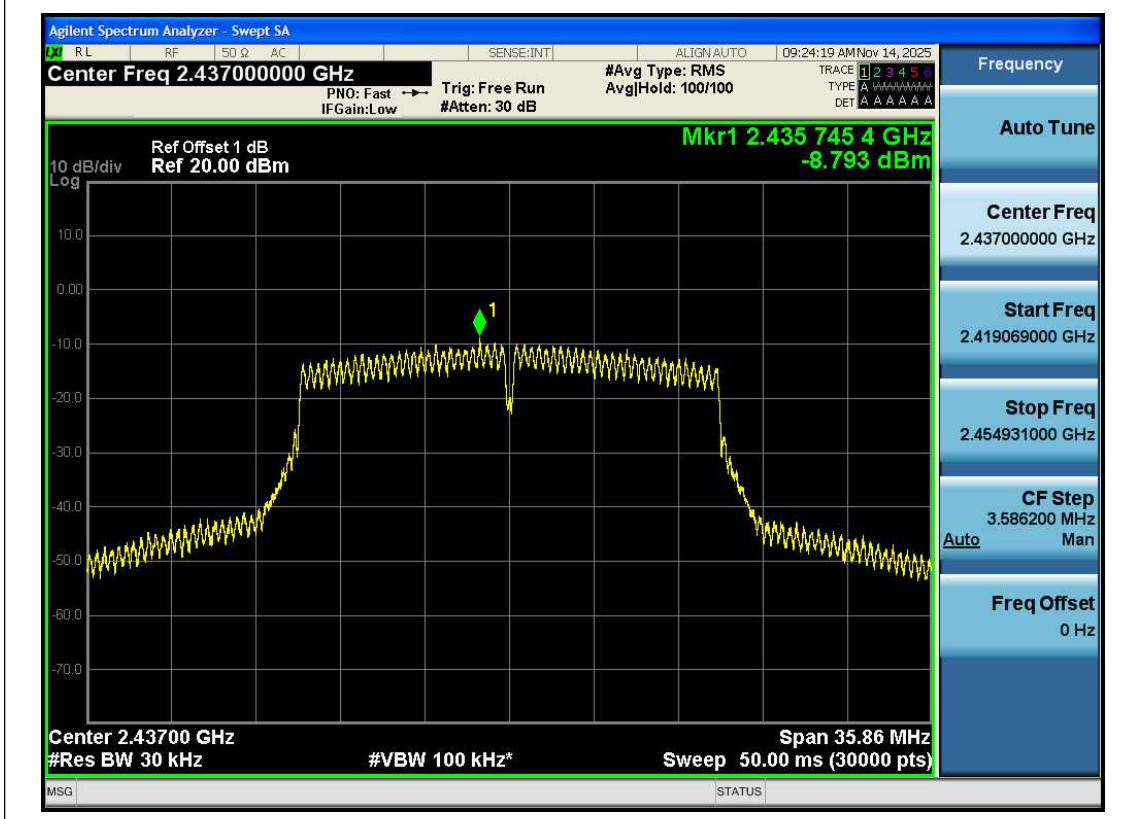
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11N20SISO-Ant1-2412-PASS

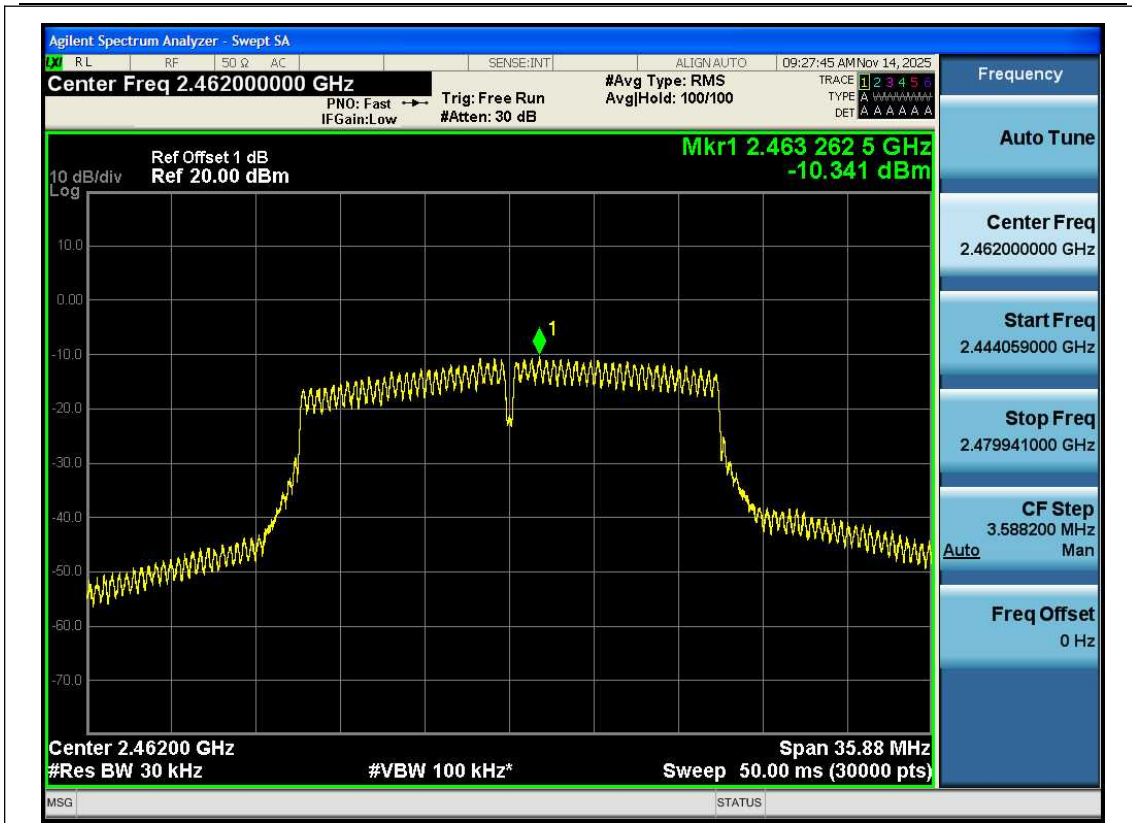


11N20SISO-Ant1-2437-PASS

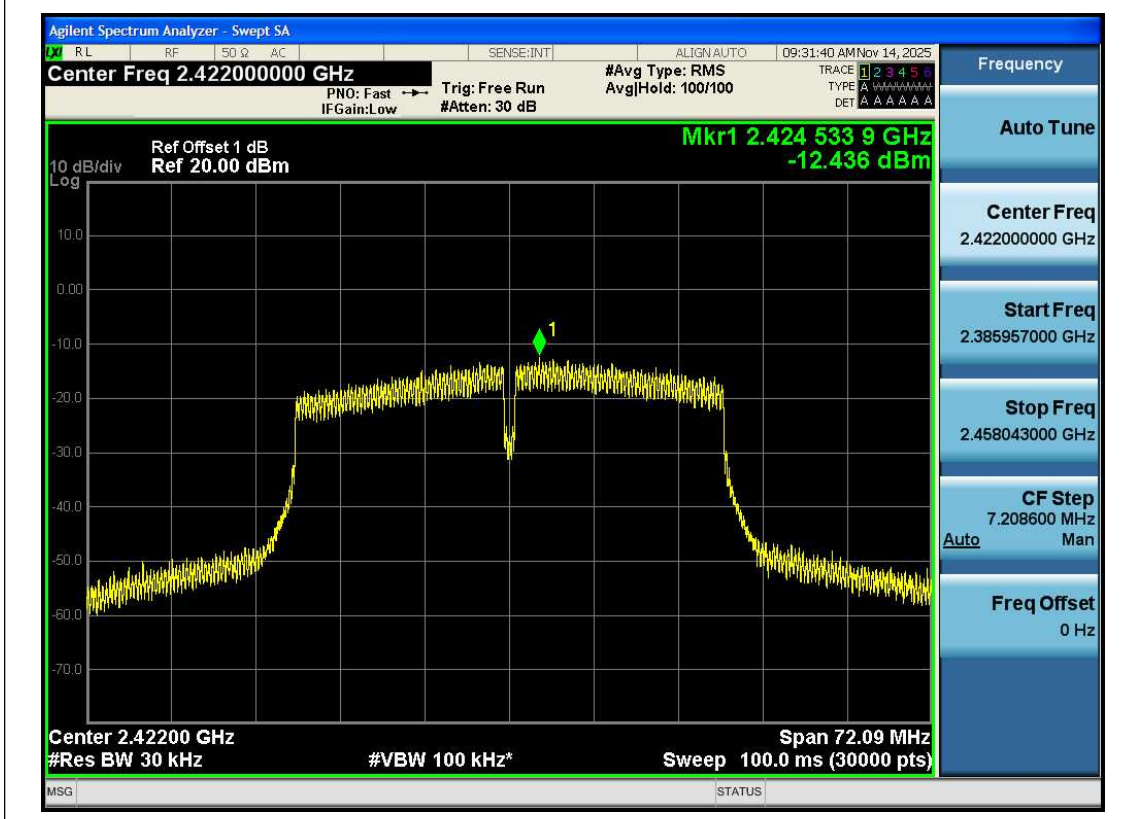
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11N20SISO-Ant1-2462-PASS



11N40SISO-Ant1-2422-PASS

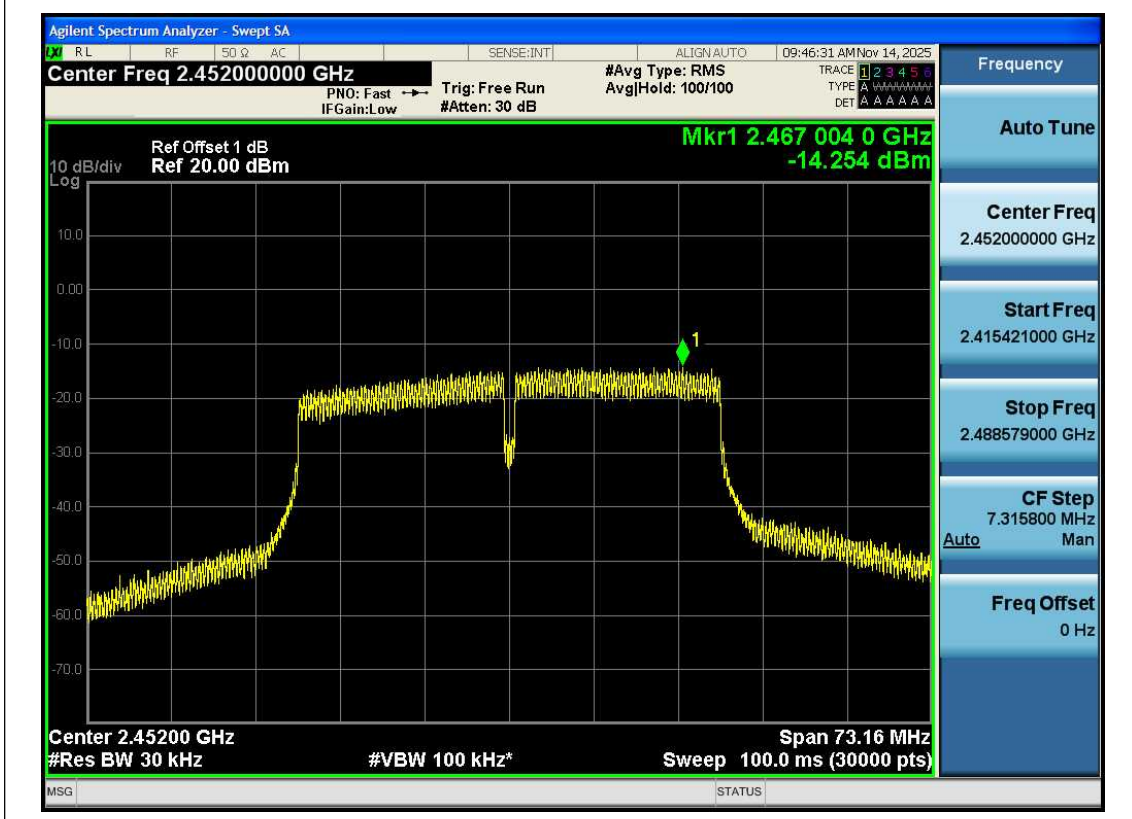
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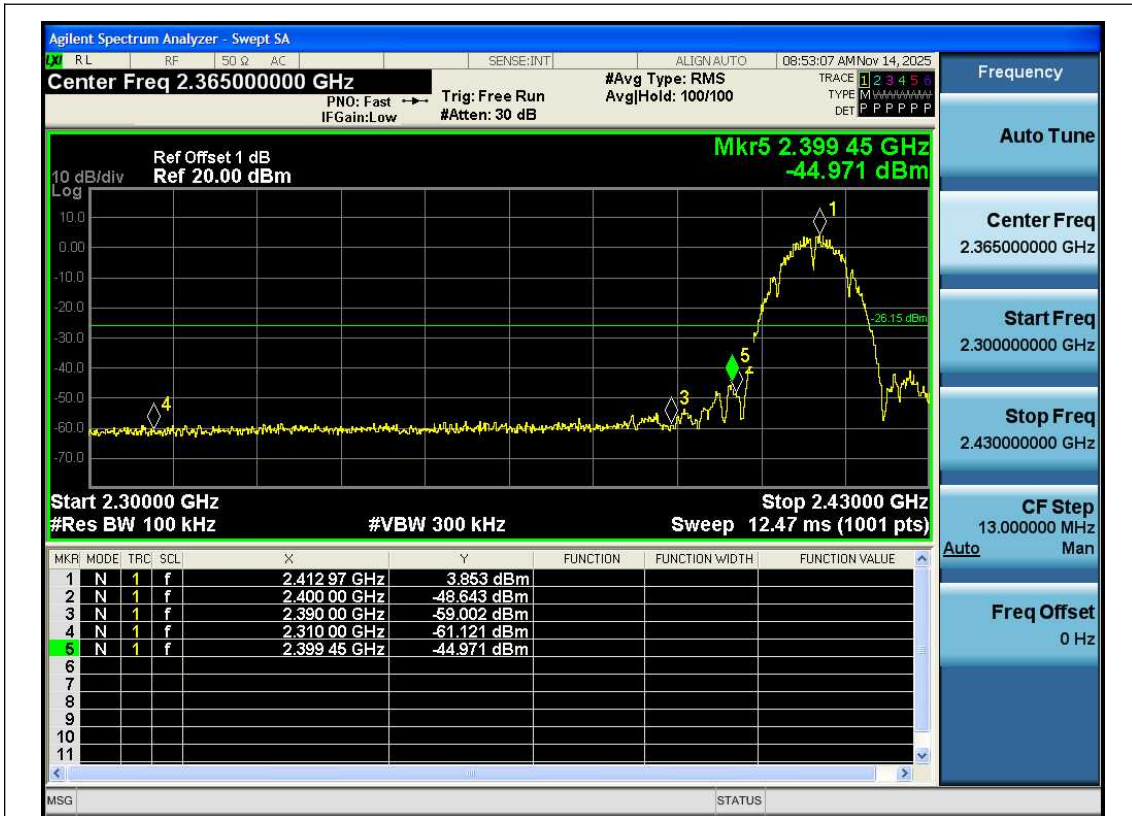
Appendix E: Conducted Band edge

Test Result

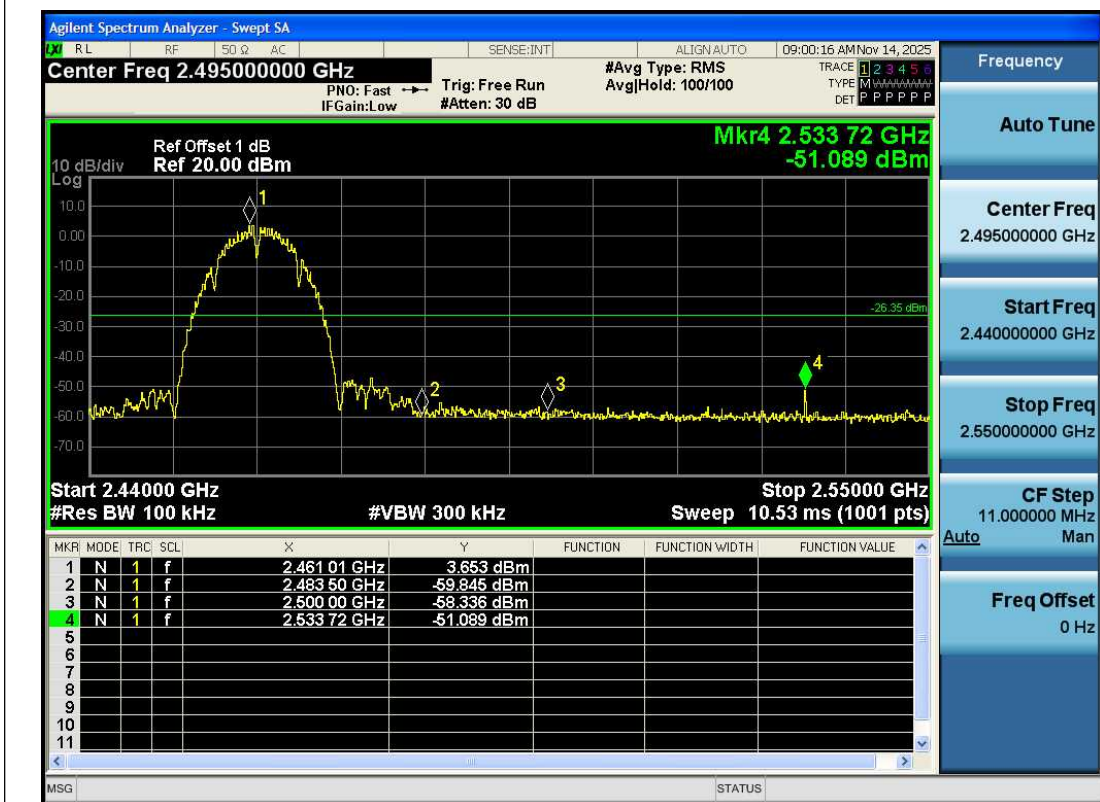
Test Mode	Antenna	Ch. Name	Frequency[MHz]	Ref. Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.85	-44.97	≤-26.15	PASS
11B	Ant1	High	2462	3.65	-51.09	≤-26.35	PASS
11G	Ant1	Low	2412	3.80	-27.86	≤-26.2	PASS
11G	Ant1	High	2462	2.27	-37.48	≤-27.73	PASS
11N20SISO	Ant1	Low	2412	3.16	-28.64	≤-26.84	PASS
11N20SISO	Ant1	High	2462	2.35	-38.09	≤-27.65	PASS
11N40SISO	Ant1	Low	2422	0.61	-32.73	≤-29.39	PASS
11N40SISO	Ant1	High	2452	-0.63	-30.96	≤-30.63	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



11G-Ant1-2462-PASS

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11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

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11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS

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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	3.02	3.02	---	PASS
11B	Ant1	2412	30~1000	3.02	-60.1	≤-26.98	PASS
11B	Ant1	2412	1000~26500	3.02	-44.67	≤-26.98	PASS
11B	Ant1	2437	0~Reference	3.35	3.35	---	PASS
11B	Ant1	2437	30~1000	3.35	-59.36	≤-26.65	PASS
11B	Ant1	2437	1000~26500	3.35	-45.57	≤-26.65	PASS
11B	Ant1	2462	0~Reference	2.49	2.49	---	PASS
11B	Ant1	2462	30~1000	2.49	-60.46	≤-27.51	PASS
11B	Ant1	2462	1000~26500	2.49	-44.21	≤-27.51	PASS
11G	Ant1	2412	0~Reference	0.28	0.28	---	PASS
11G	Ant1	2412	30~1000	0.28	-59.74	≤-29.72	PASS
11G	Ant1	2412	1000~26500	0.28	-45.13	≤-29.72	PASS
11G	Ant1	2437	0~Reference	0.62	0.62	---	PASS
11G	Ant1	2437	30~1000	0.62	-59.5	≤-29.38	PASS
11G	Ant1	2437	1000~26500	0.62	-45.69	≤-29.38	PASS
11G	Ant1	2462	0~Reference	1.29	1.29	---	PASS
11G	Ant1	2462	30~1000	1.29	-59.93	≤-28.71	PASS
11G	Ant1	2462	1000~26500	1.29	-45.87	≤-28.71	PASS
11N20SISO	Ant1	2412	0~Reference	0.95	0.95	---	PASS
11N20SISO	Ant1	2412	30~1000	0.95	-59.43	≤-29.05	PASS
11N20SISO	Ant1	2412	1000~26500	0.95	-45.52	≤-29.05	PASS
11N20SISO	Ant1	2437	0~Reference	1.90	1.90	---	PASS
11N20SISO	Ant1	2437	30~1000	1.90	-59.17	≤-28.1	PASS
11N20SISO	Ant1	2437	1000~26500	1.90	-45.14	≤-28.1	PASS
11N20SISO	Ant1	2462	0~Reference	2.41	2.41	---	PASS
11N20SISO	Ant1	2462	30~1000	2.41	-59.95	≤-27.59	PASS
11N20SISO	Ant1	2462	1000~26500	2.41	-45.84	≤-27.59	PASS
11N40SISO	Ant1	2422	0~Reference	0.83	0.83	---	PASS
11N40SISO	Ant1	2422	30~1000	0.83	-60.12	≤-29.17	PASS
11N40SISO	Ant1	2422	1000~26500	0.83	-44.47	≤-29.17	PASS
11N40SISO	Ant1	2437	0~Reference	-0.29	-0.29	---	PASS
11N40SISO	Ant1	2437	30~1000	-0.29	-60.26	≤-30.29	PASS
11N40SISO	Ant1	2437	1000~26500	-0.29	-44.86	≤-30.29	PASS
11N40SISO	Ant1	2452	0~Reference	-1.43	-1.43	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.43	-60.08	≤-31.43	PASS
11N40SISO	Ant1	2452	1000~26500	-1.43	-45	≤-31.43	PASS

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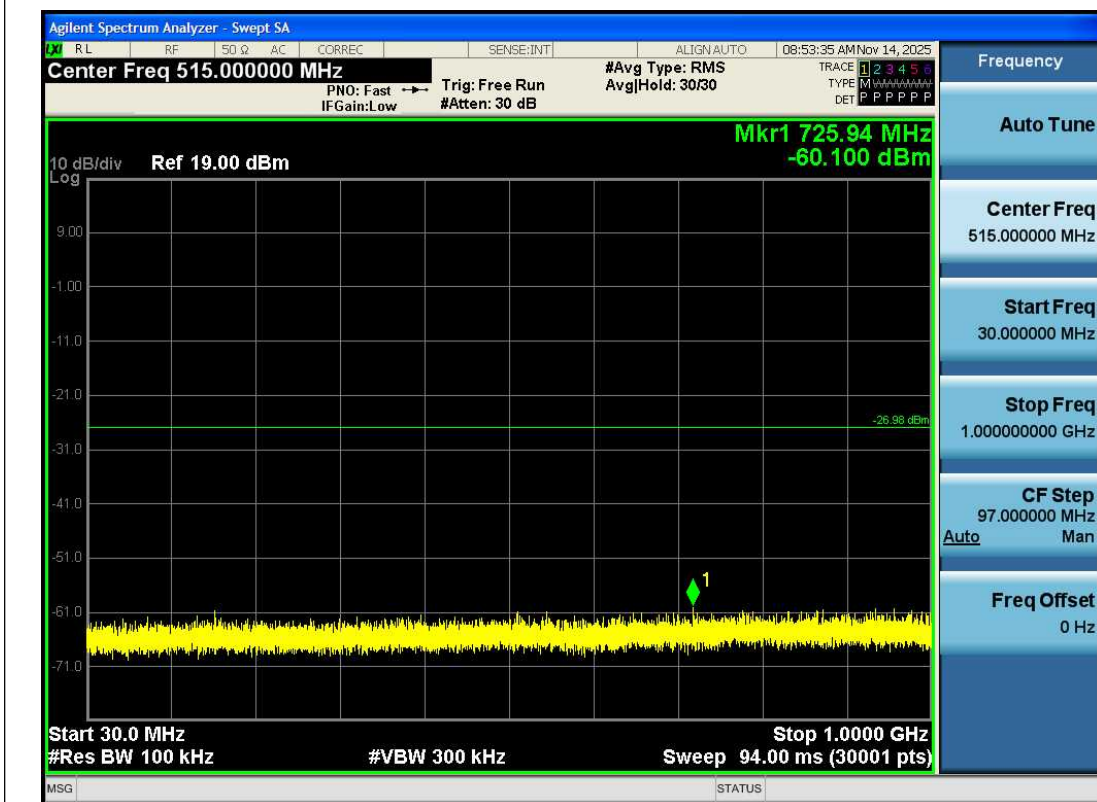
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Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs



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



11B-Ant1-2412-30~1000-PASS

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11B-Ant1-2412-1000~26500-PASS

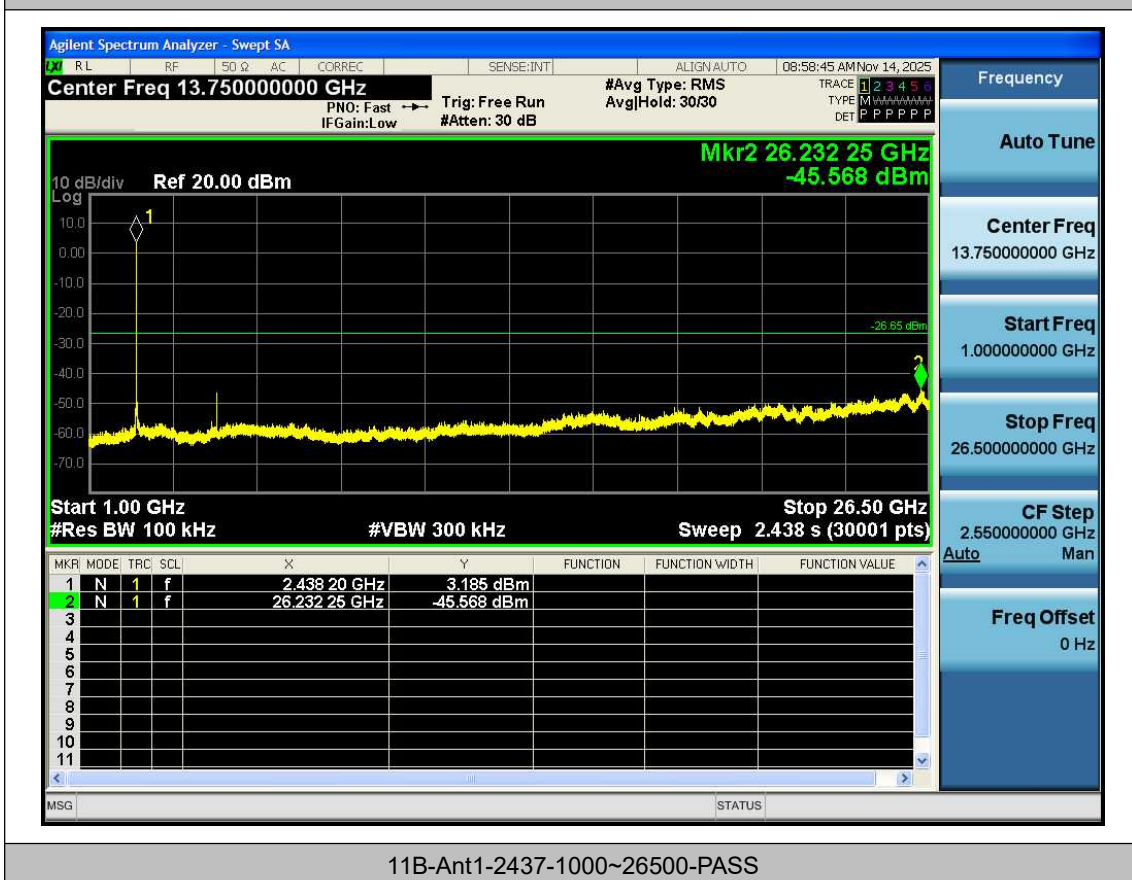
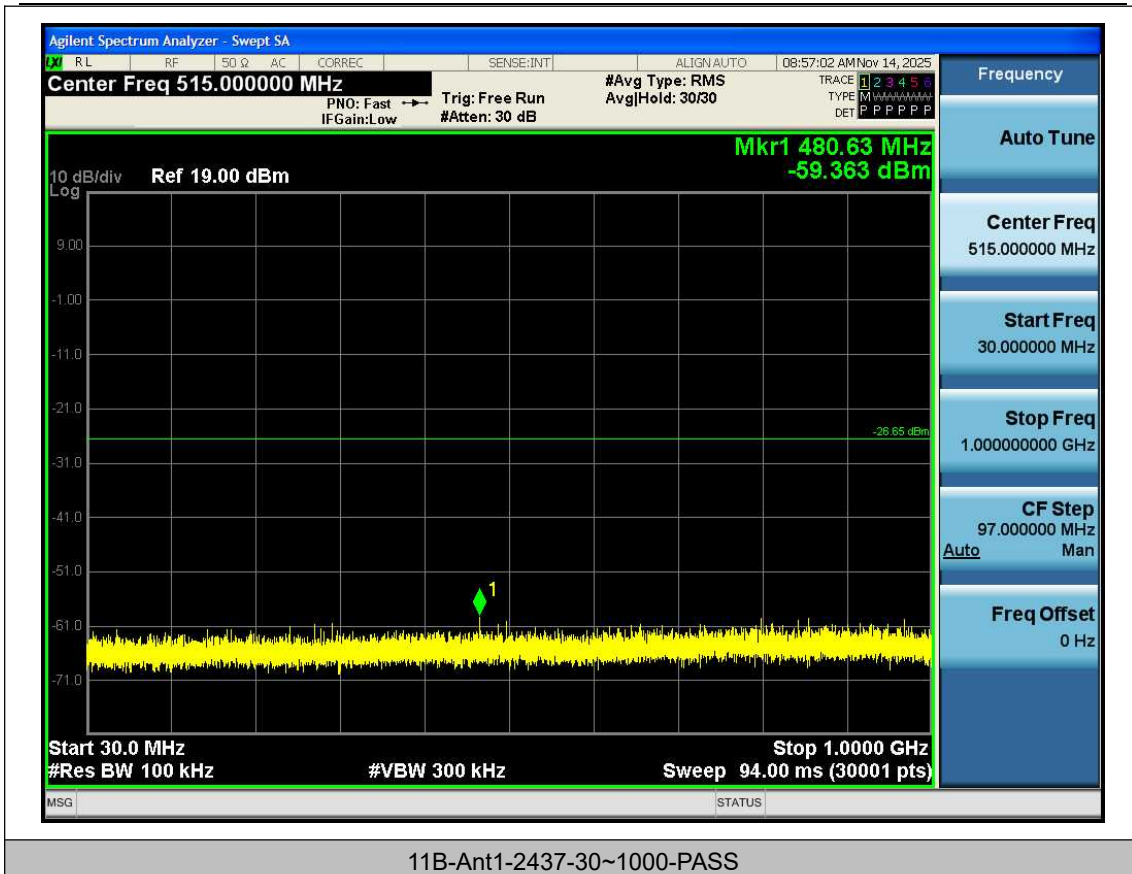


11B-Ant1-2437-0~Reference-PASS

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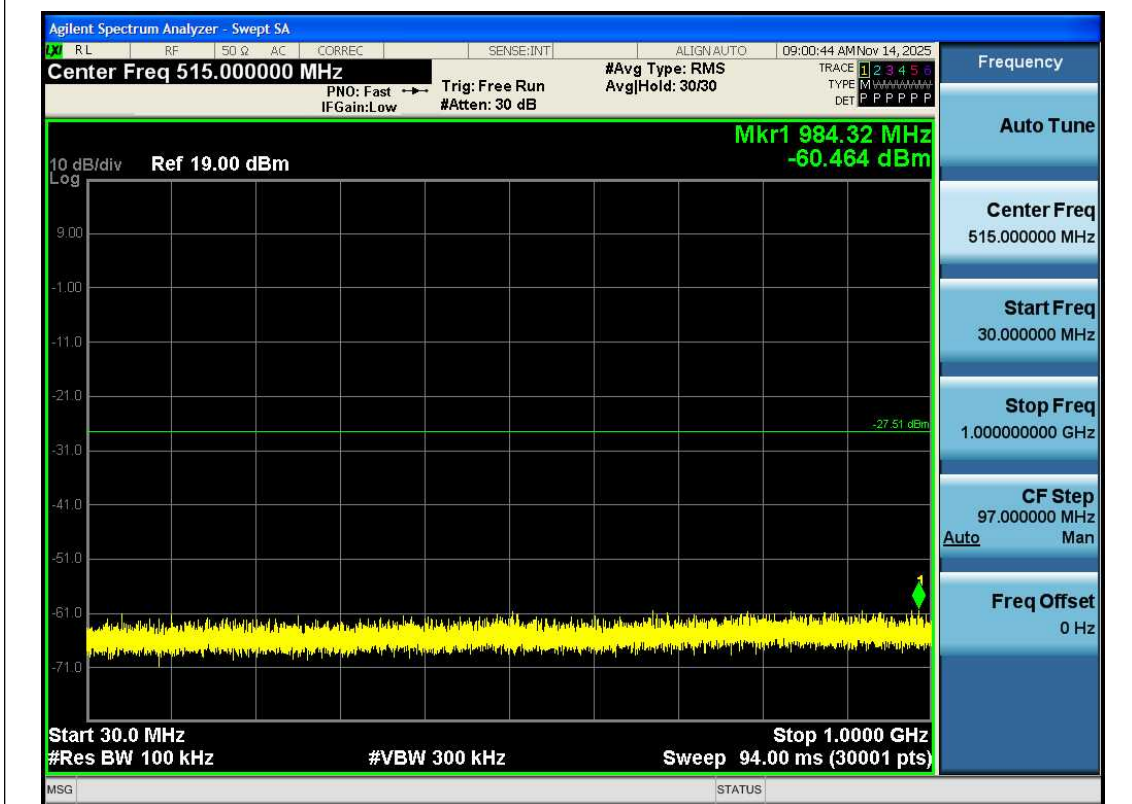
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11B-Ant1-2462-0~Reference-PASS

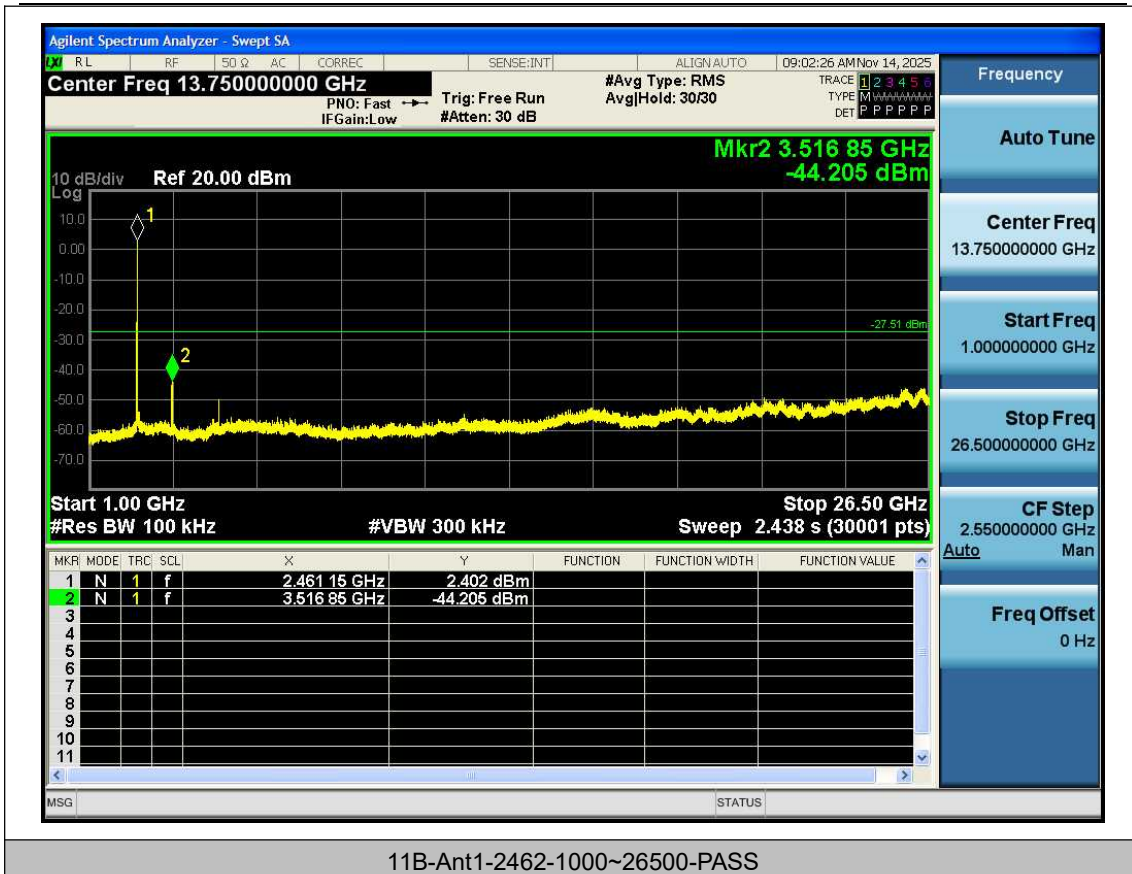


11B-Ant1-2462-30~1000-PASS

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