

Appendix Test Data

Report No.:	1812C50535312501-01	Test Sample No.:	1-2-2
Start Test Date:	2025-10-13	Finish Test Date:	2025-10-24
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.5°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
2.4G	Ant1	2402	0.504	2401.668	2402.172	0.5	PASS
2.4G	Ant1	2440	0.524	2439.656	2440.180	0.5	PASS
2.4G	Ant1	2480	0.532	2479.660	2480.192	0.5	PASS

Test Graphs



2.4G-Ant1-2402-PASS



2.4G-Ant1-2440-PASS

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Appendix B: 99% Occupied Bandwidth**Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.1198	2401.4136	2402.5334	---	---
2.4G	Ant1	2440	1.1475	2439.3923	2440.5398	---	---
2.4G	Ant1	2480	1.2116	2479.3225	2480.5341	---	---

Test Graphs



2.4G-Ant1-2402



2.4G-Ant1-2440

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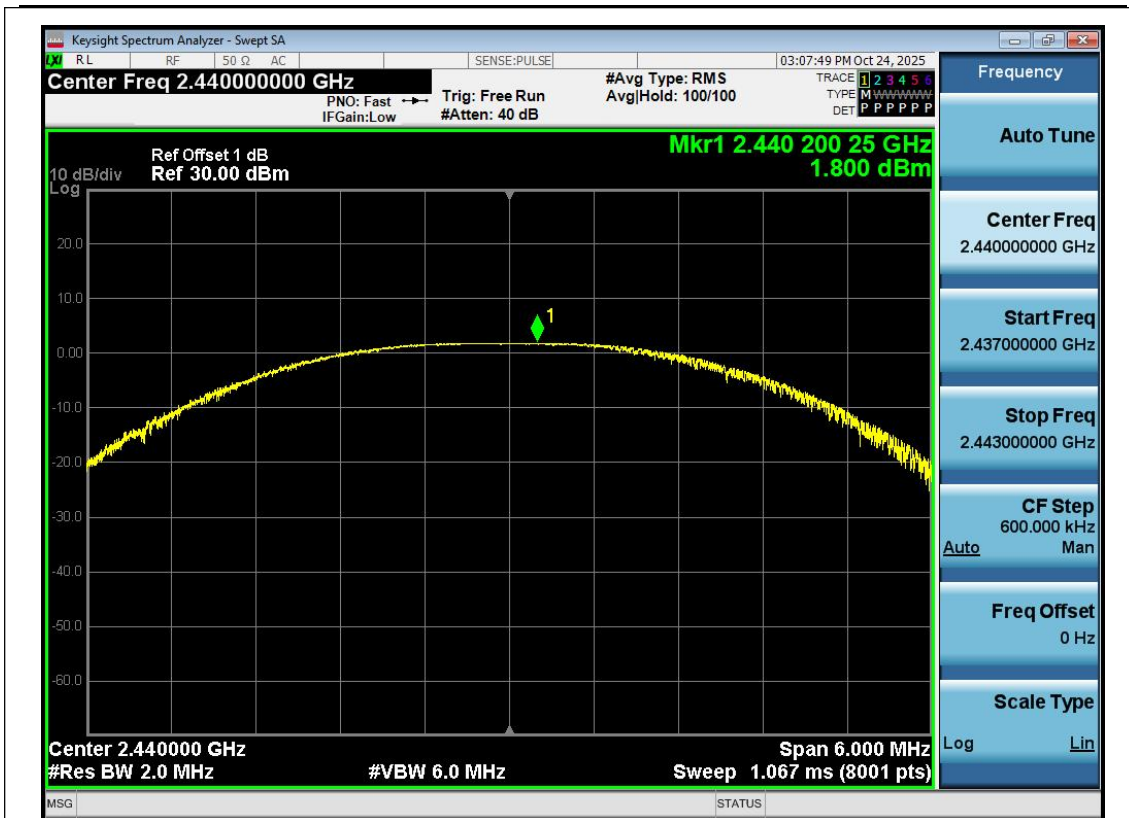
Appendix C: Maximum conducted output power

Test Result Peak

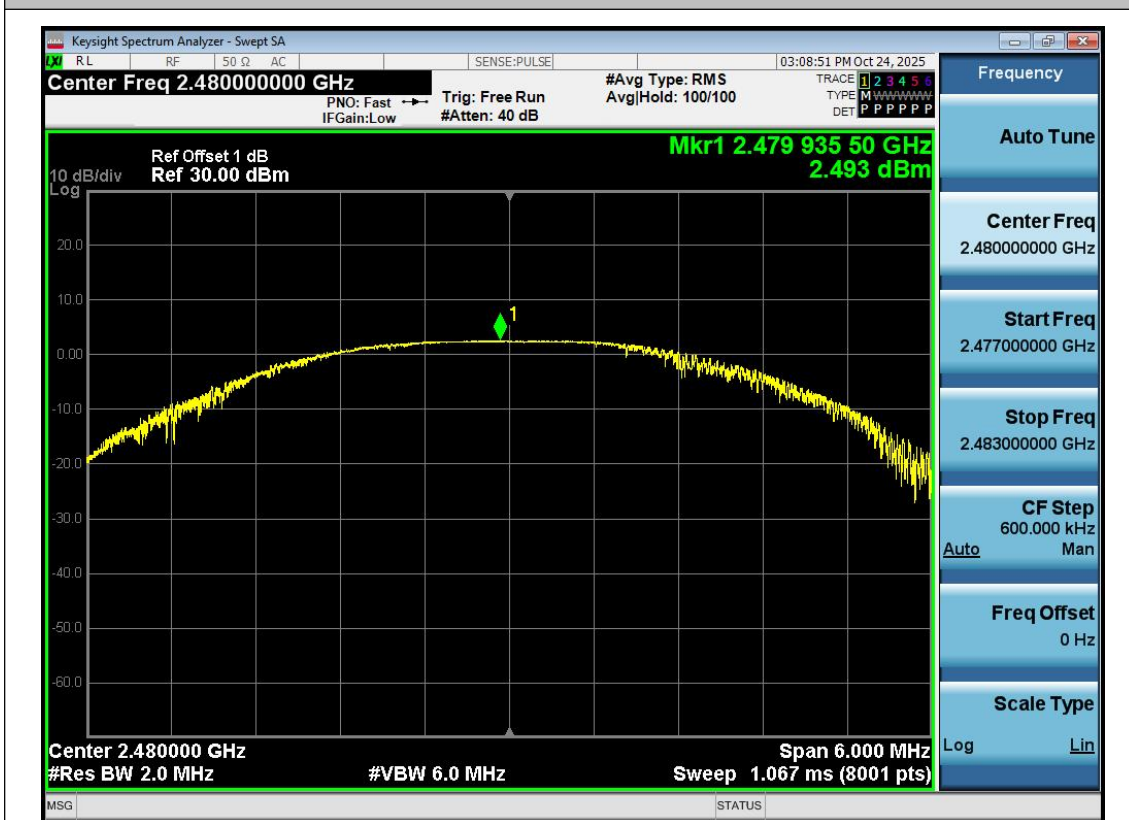
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	0.98	≤20.97	PASS
2.4G	Ant1	2440	1.80	≤20.97	PASS
2.4G	Ant1	2480	2.49	≤20.97	PASS

Test Graphs Peak





2.4G-Ant1-2440-PASS



2.4G-Ant1-2480-PASS

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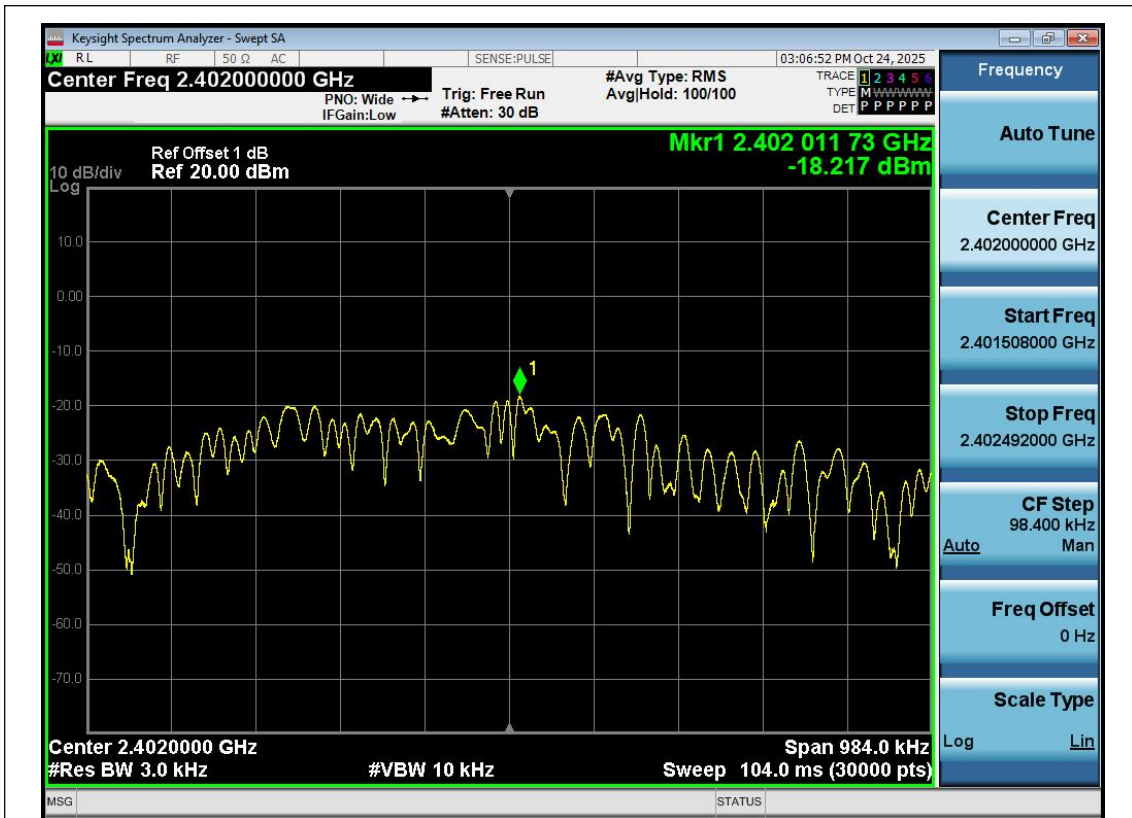
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Appendix D: Maximum power spectral density

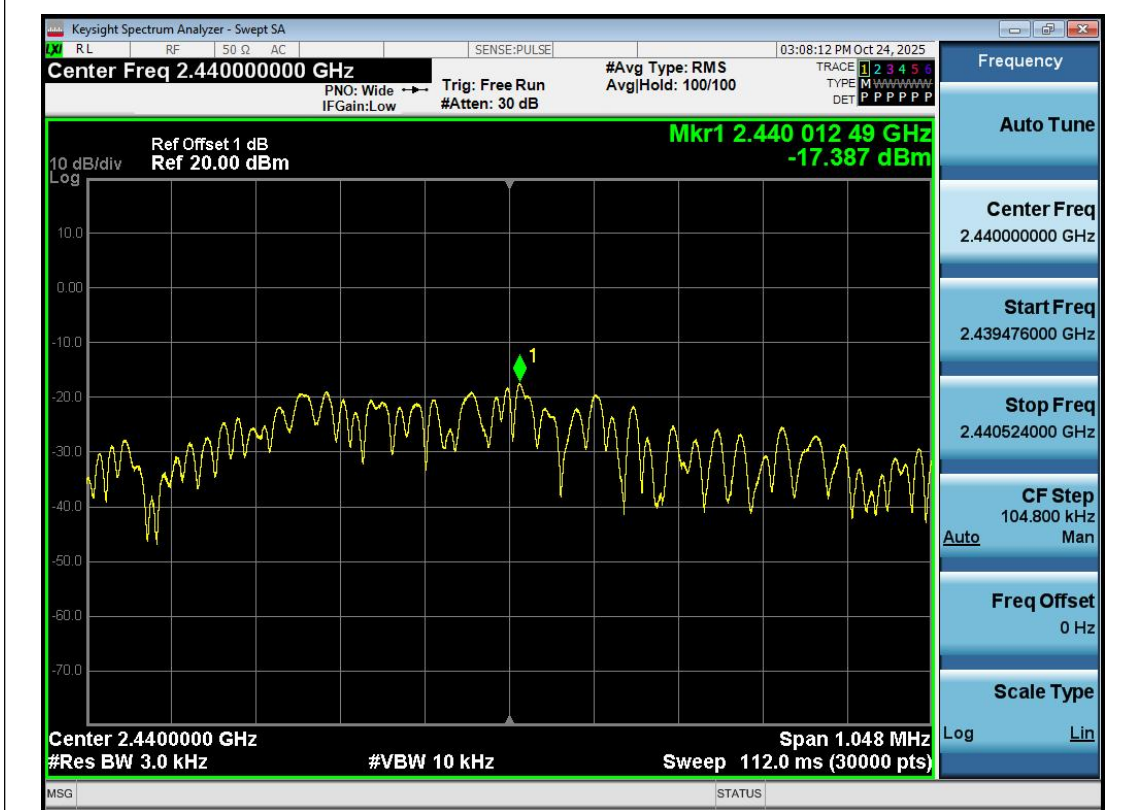
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-18.22	≤8.00	PASS
2.4G	Ant1	2440	-17.39	≤8.00	PASS
2.4G	Ant1	2480	-15.59	≤8.00	PASS

Test Graphs



2.4G-Ant1-2402-PASS

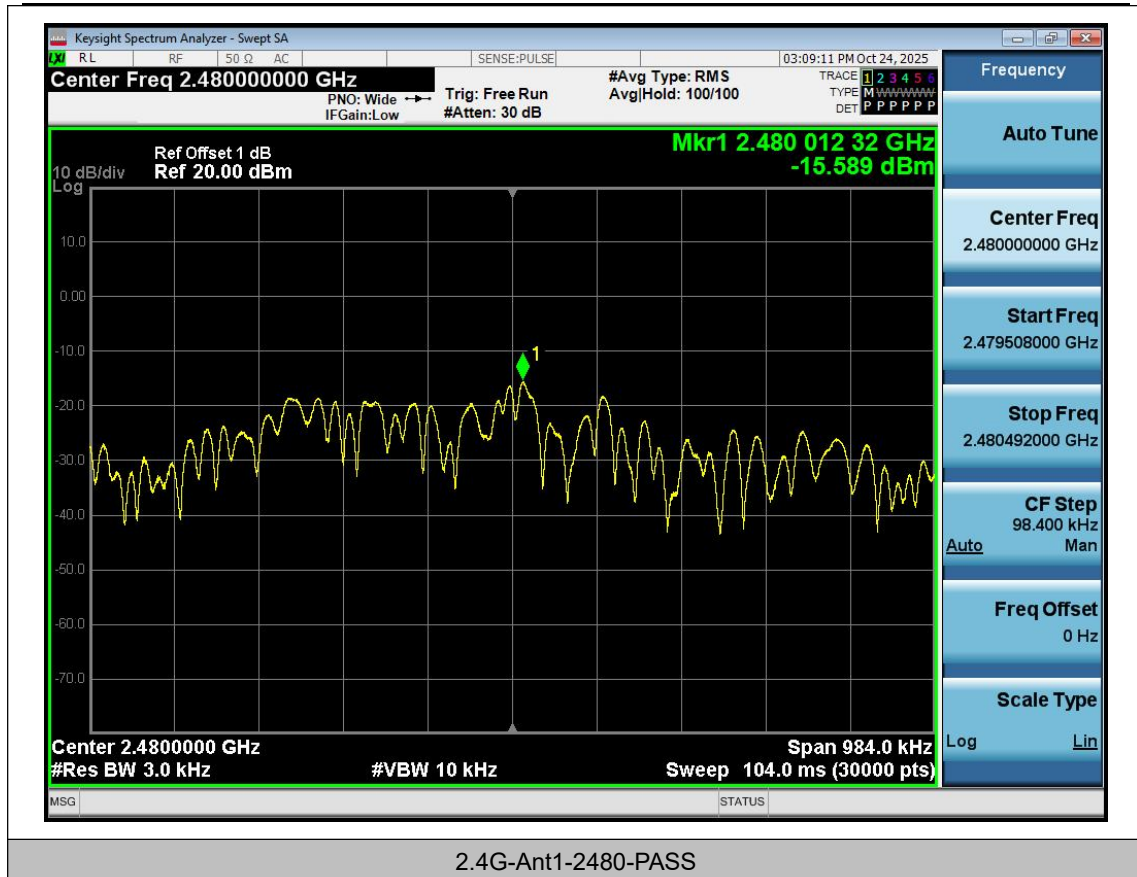


2.4G-Ant1-2440-PASS

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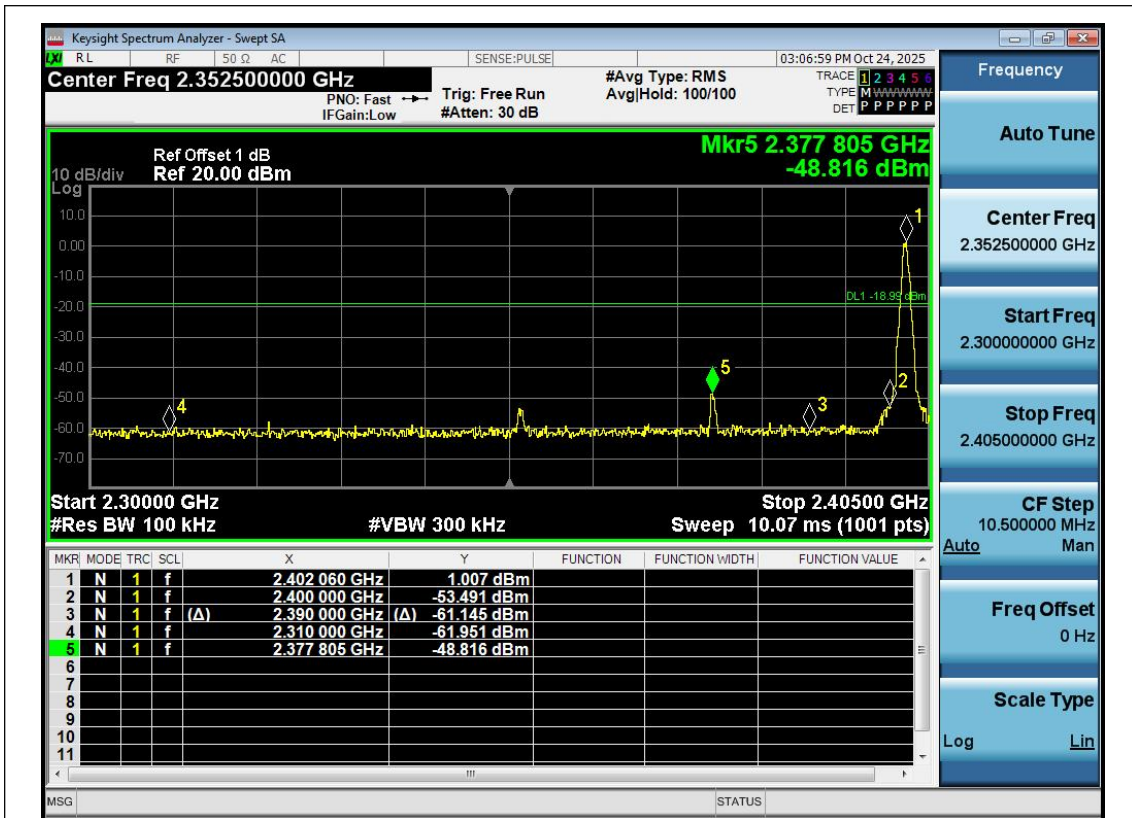
Appendix E: Band edge measurements

Test Result

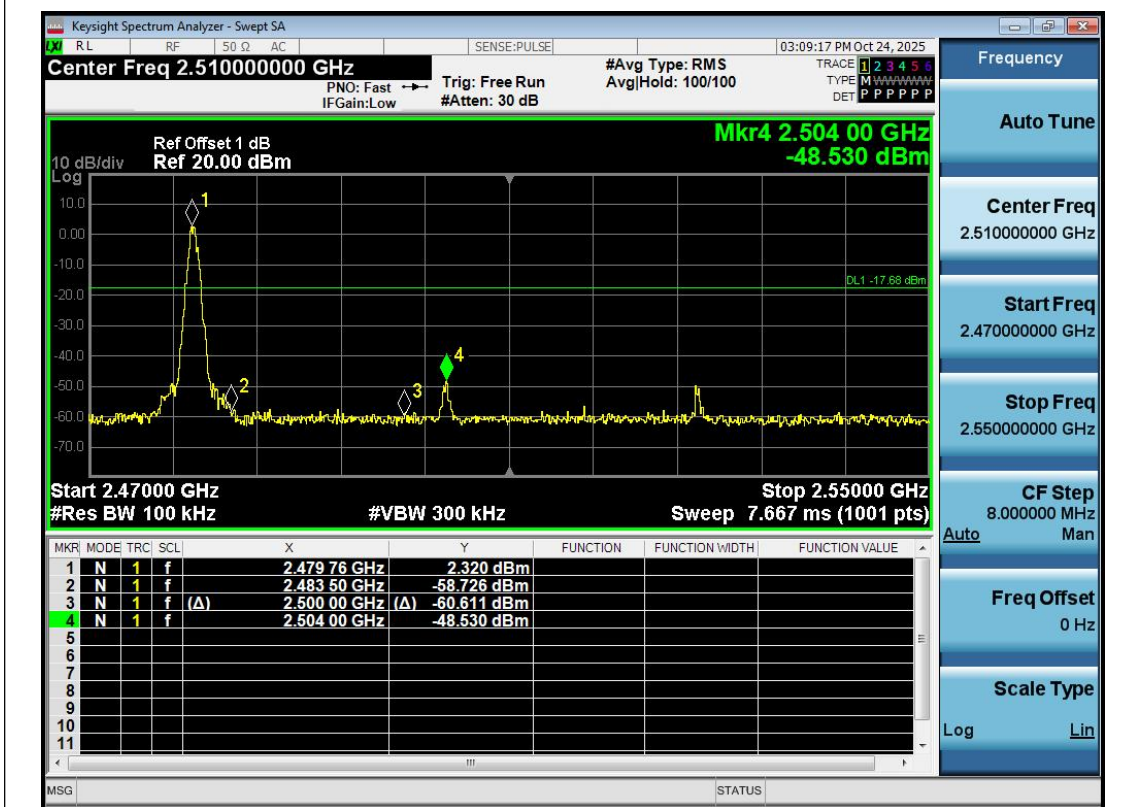
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	1.01	-48.82	≤-18.99	PASS
2.4G	Ant1	High	2480	2.32	-48.53	≤-17.68	PASS

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



2.4G-Ant1-2402-PASS



2.4G-Ant1-2480-PASS

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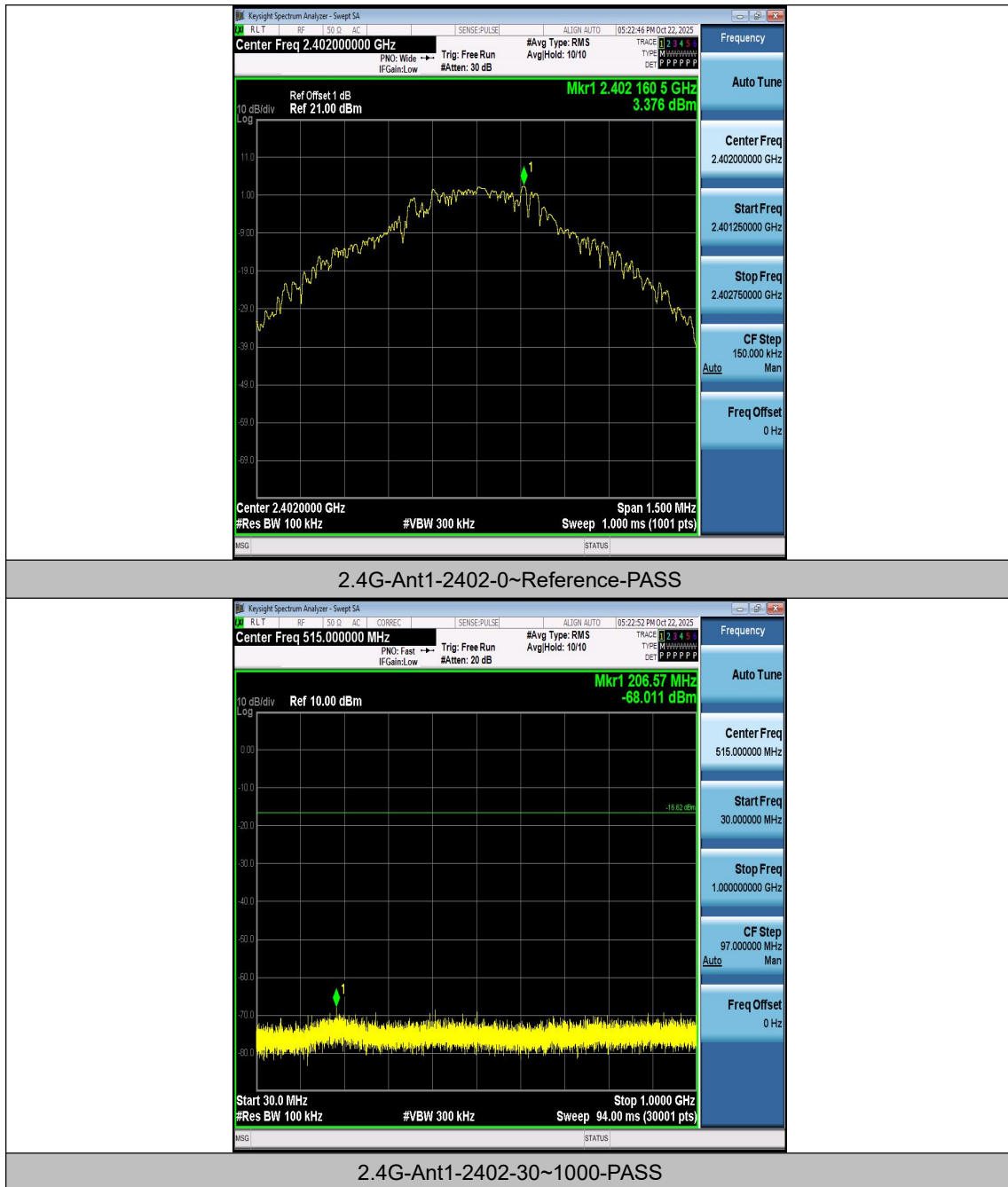
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	3.38	3.38	---	PASS
2.4G	Ant1	2402	30~1000	3.38	-68.01	≤-16.62	PASS
2.4G	Ant1	2402	1000~26500	3.38	-41.66	≤-16.62	PASS
2.4G	Ant1	2440	0~Reference	1.52	1.52	---	PASS
2.4G	Ant1	2440	30~1000	1.52	-68.66	≤-18.48	PASS
2.4G	Ant1	2440	1000~26500	1.52	-42.28	≤-18.48	PASS
2.4G	Ant1	2480	0~Reference	1.22	1.22	---	PASS
2.4G	Ant1	2480	30~1000	1.22	-68.71	≤-18.78	PASS
2.4G	Ant1	2480	1000~26500	1.22	-40.94	≤-18.78	PASS

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

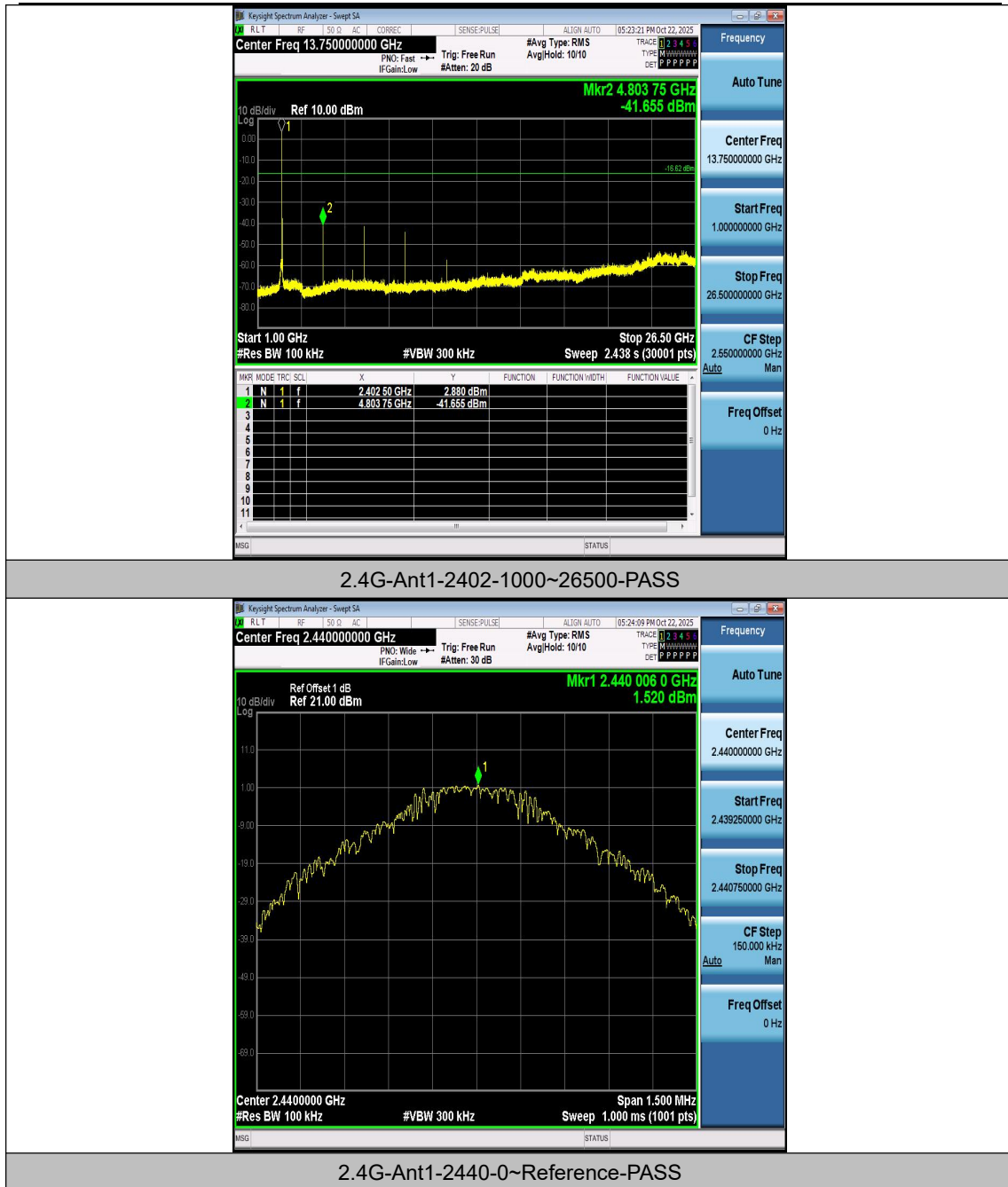
Test Graphs



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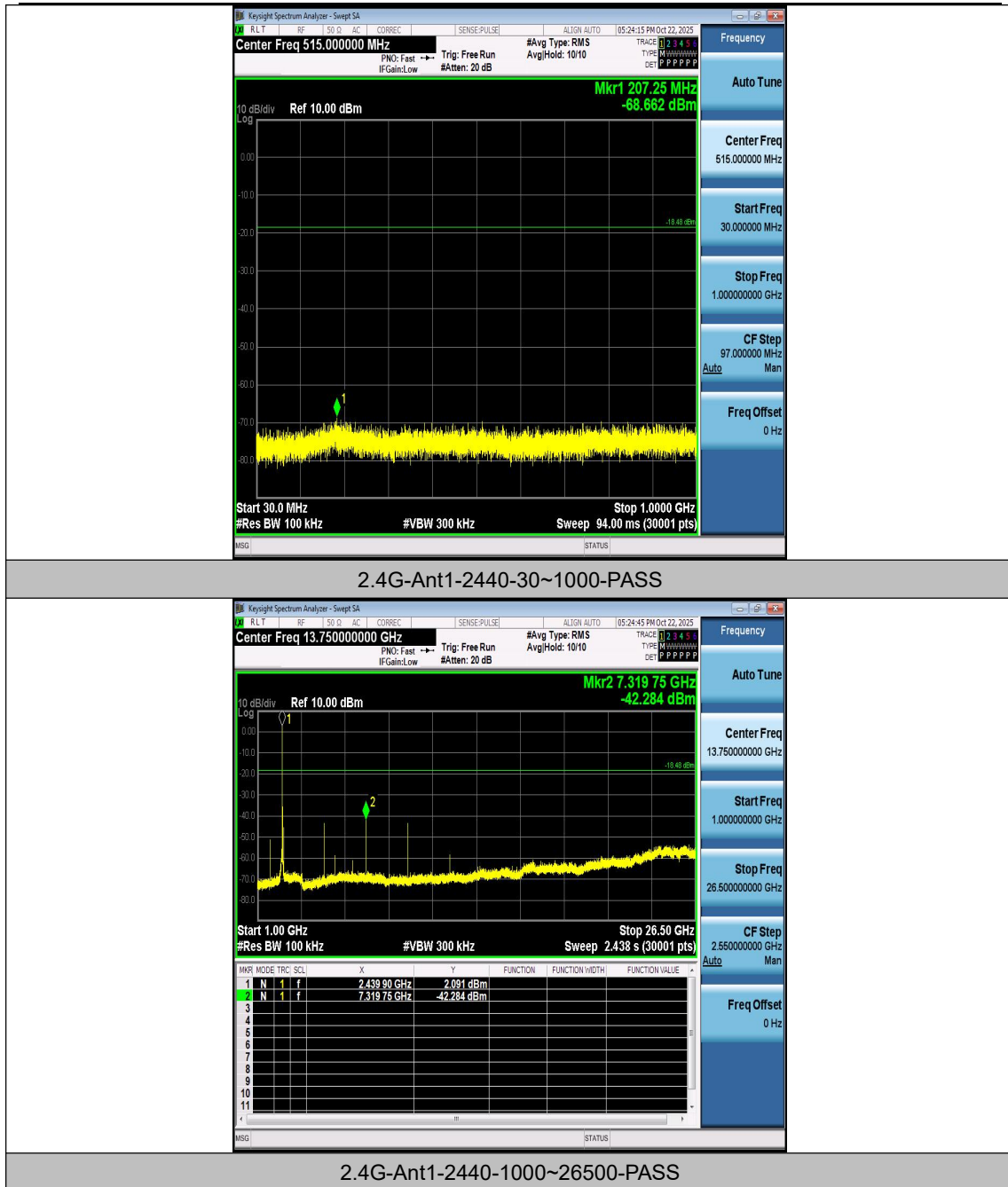
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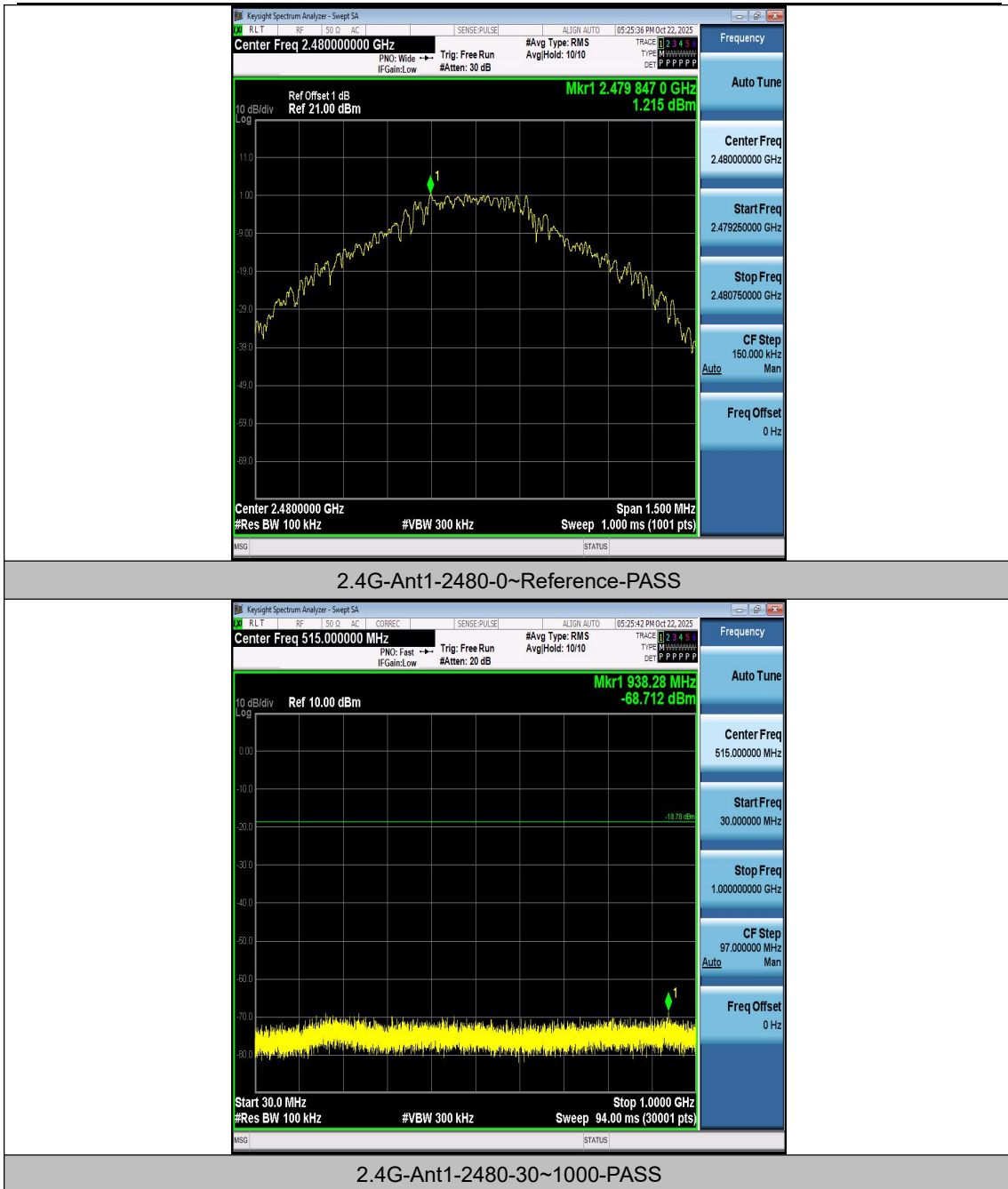
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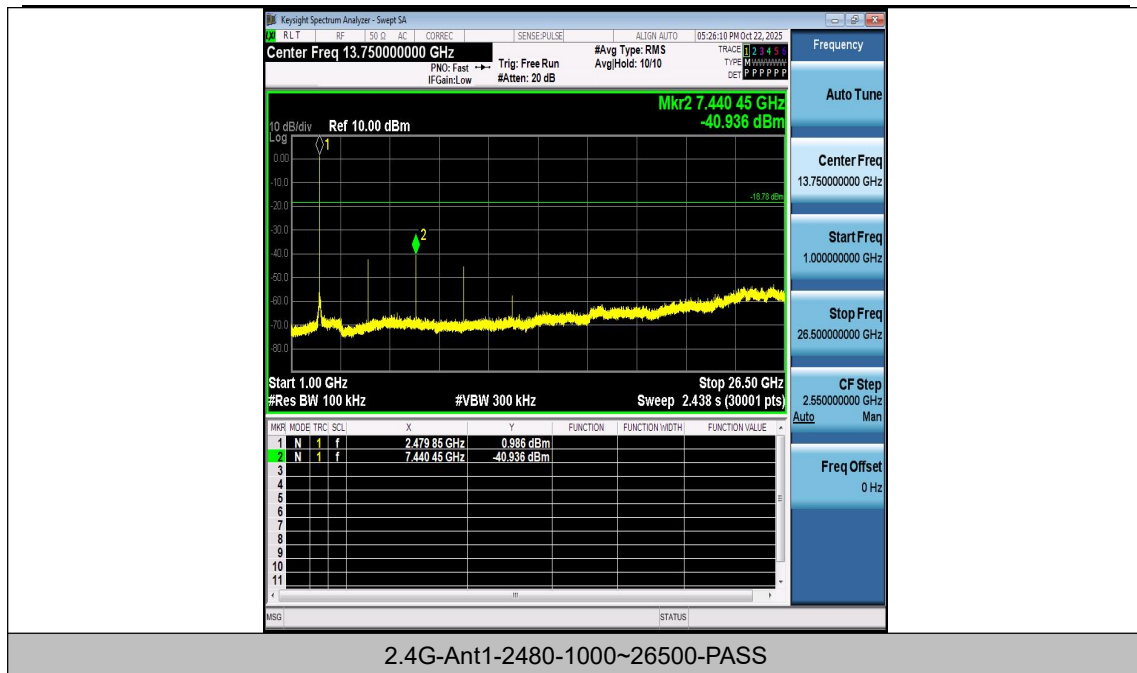
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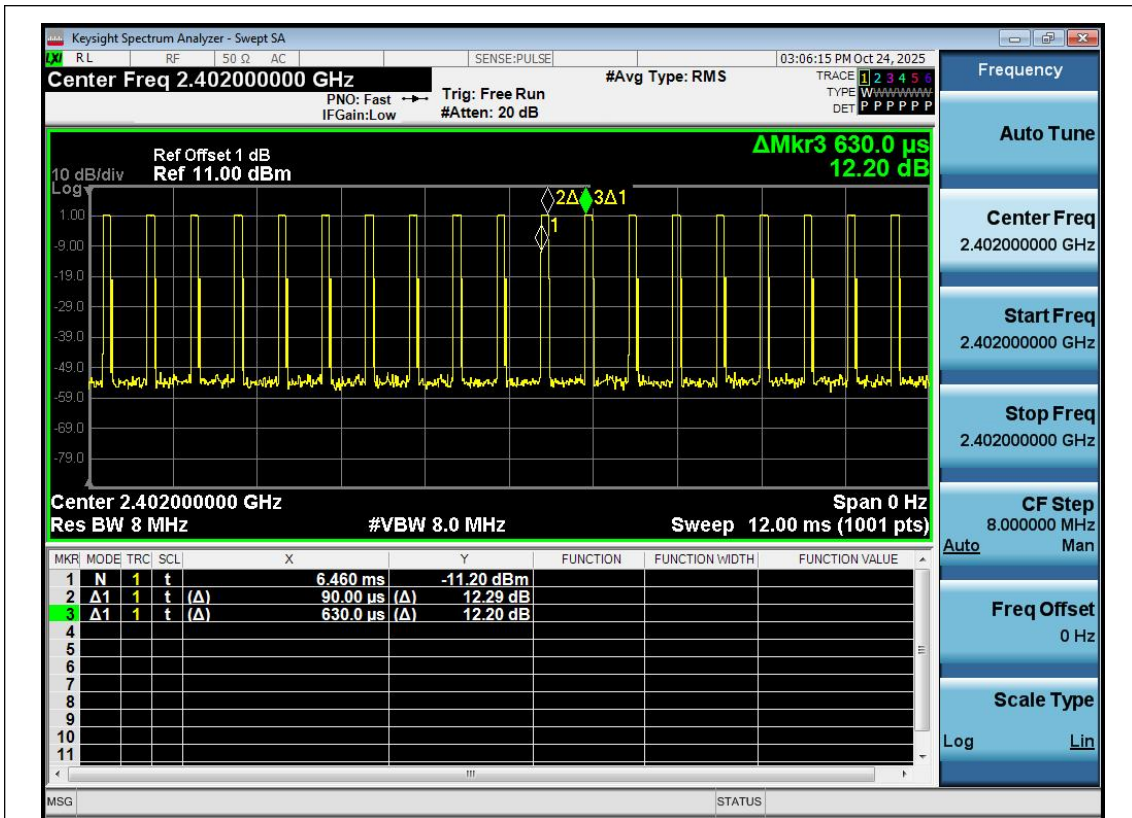
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Appendix G: Duty Cycle

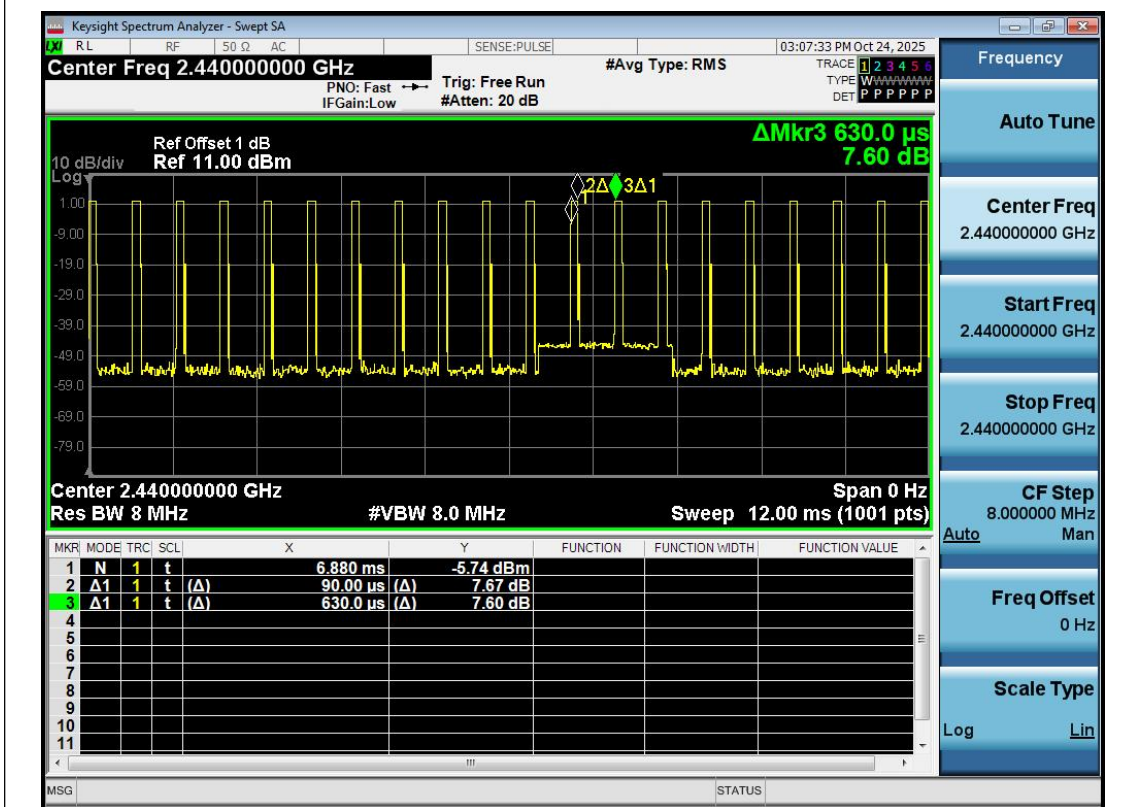
Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.09	0.63	14.29	8.45
2.4G	Ant1	2440	0.09	0.63	14.29	8.45
2.4G	Ant1	2480	0.10	0.62	16.13	7.92

Test Graphs



NTNV-2.4G-Ant1-2402

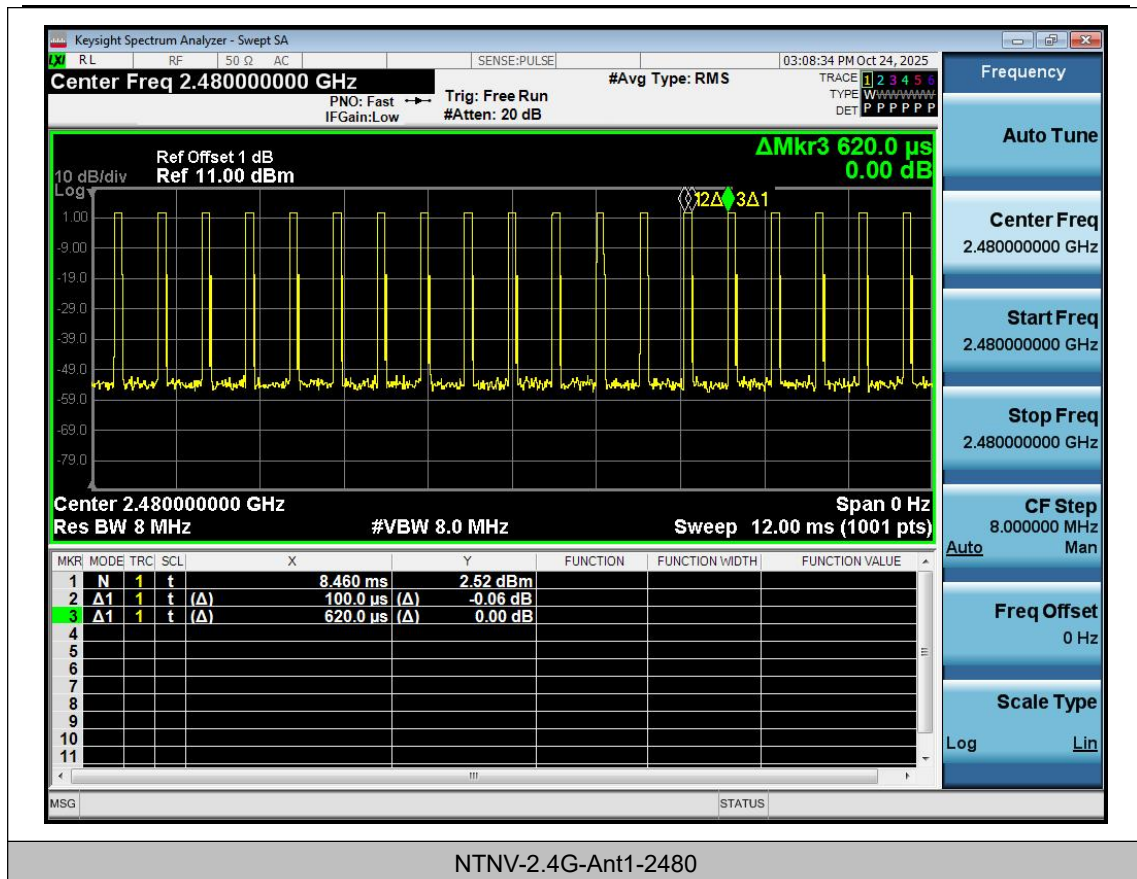


NTNV-2.4G-Ant1-2440

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