

Appendix Test Data

Report No.:	1818C40052812501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.22	Finish Test Date:	2024.10.22
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.7℃	Relative Humidity:	48%
Pressure:	101kPa		

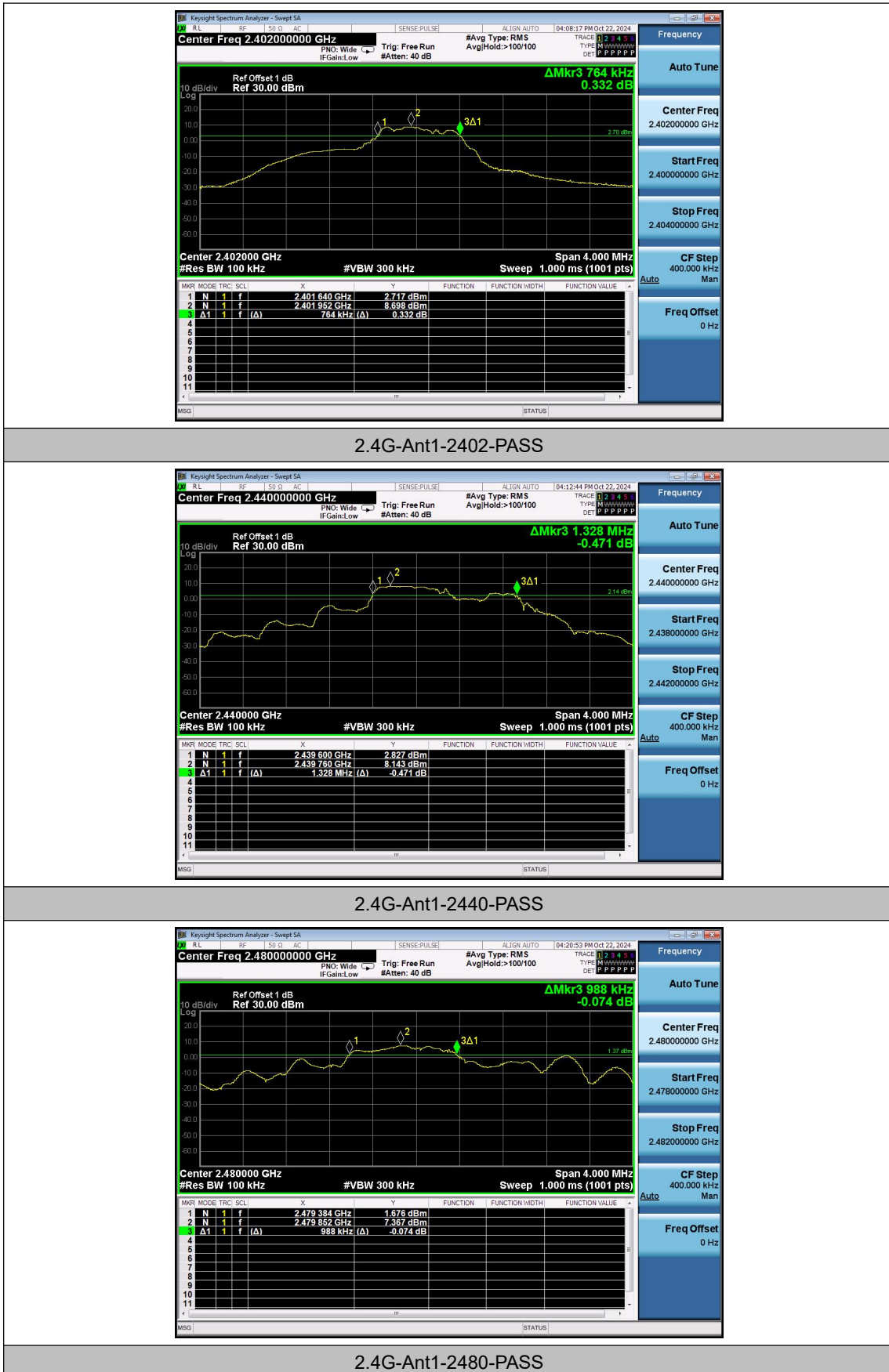
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	0.764	2401.640	2402.404	0.5	PASS
2.4G	Ant1	2440	1.328	2439.600	2440.928	0.5	PASS
2.4G	Ant1	2480	0.988	2479.384	2480.372	0.5	PASS



Test Graphs



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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.3391	2401.1586	2402.4977	---	---
2.4G	Ant1	2440	1.8457	2439.1799	2441.0256	---	---
2.4G	Ant1	2480	2.9815	2478.7250	2481.7065	---	---

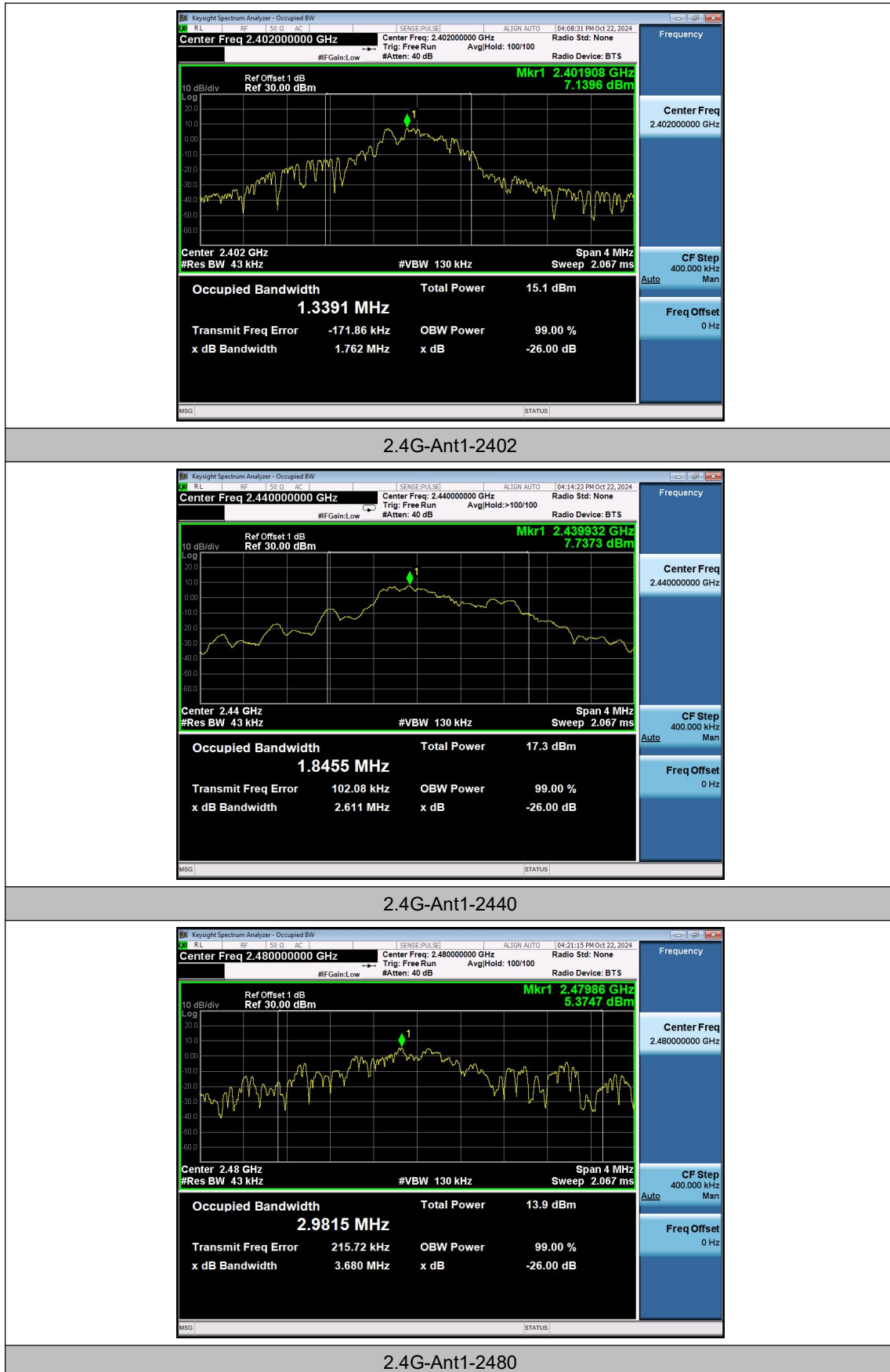
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Test Graphs



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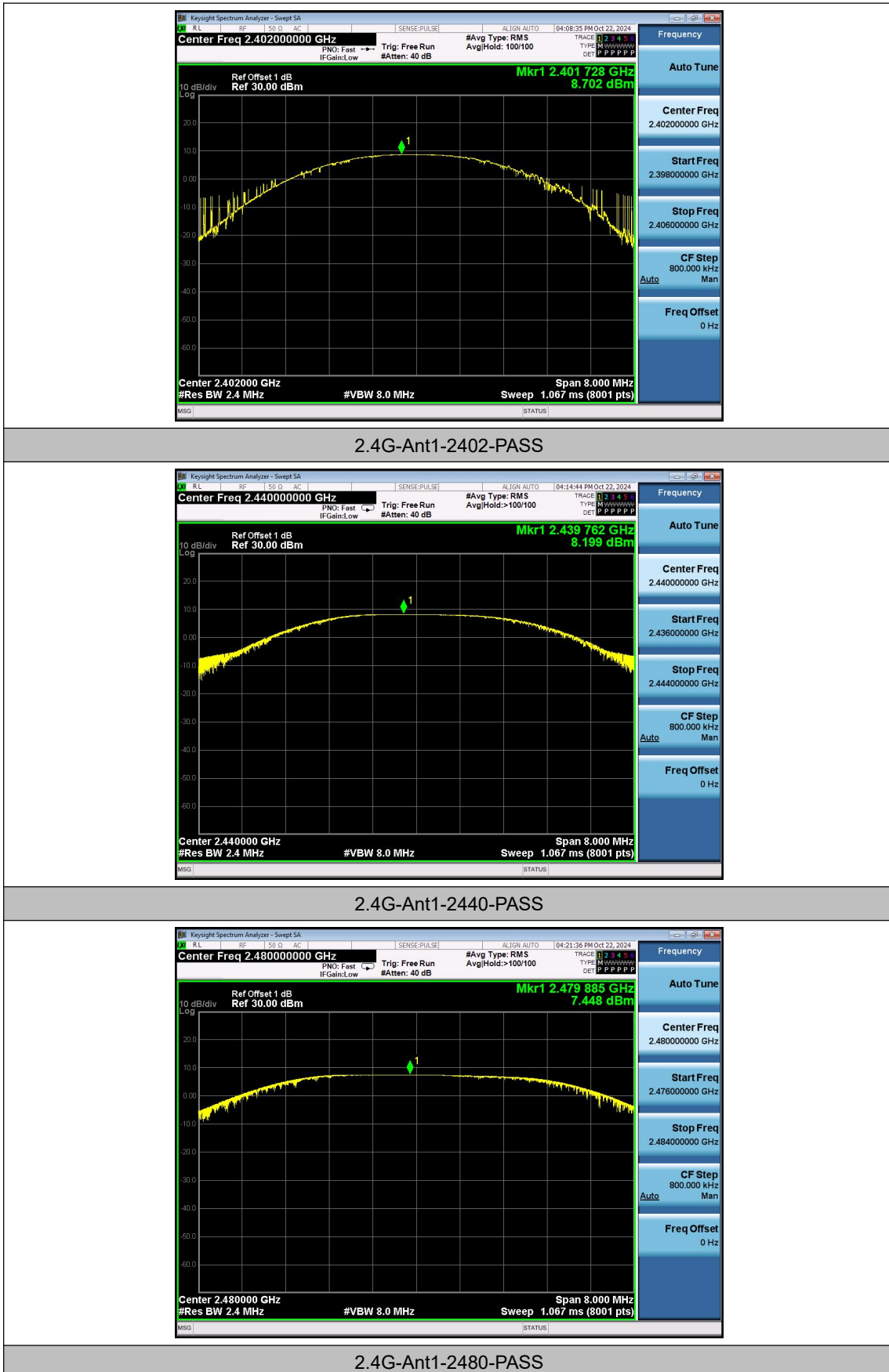
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	8.70	≤30	PASS
2.4G	Ant1	2440	8.20	≤30	PASS
2.4G	Ant1	2480	7.45	≤30	PASS



Test Graphs Peak



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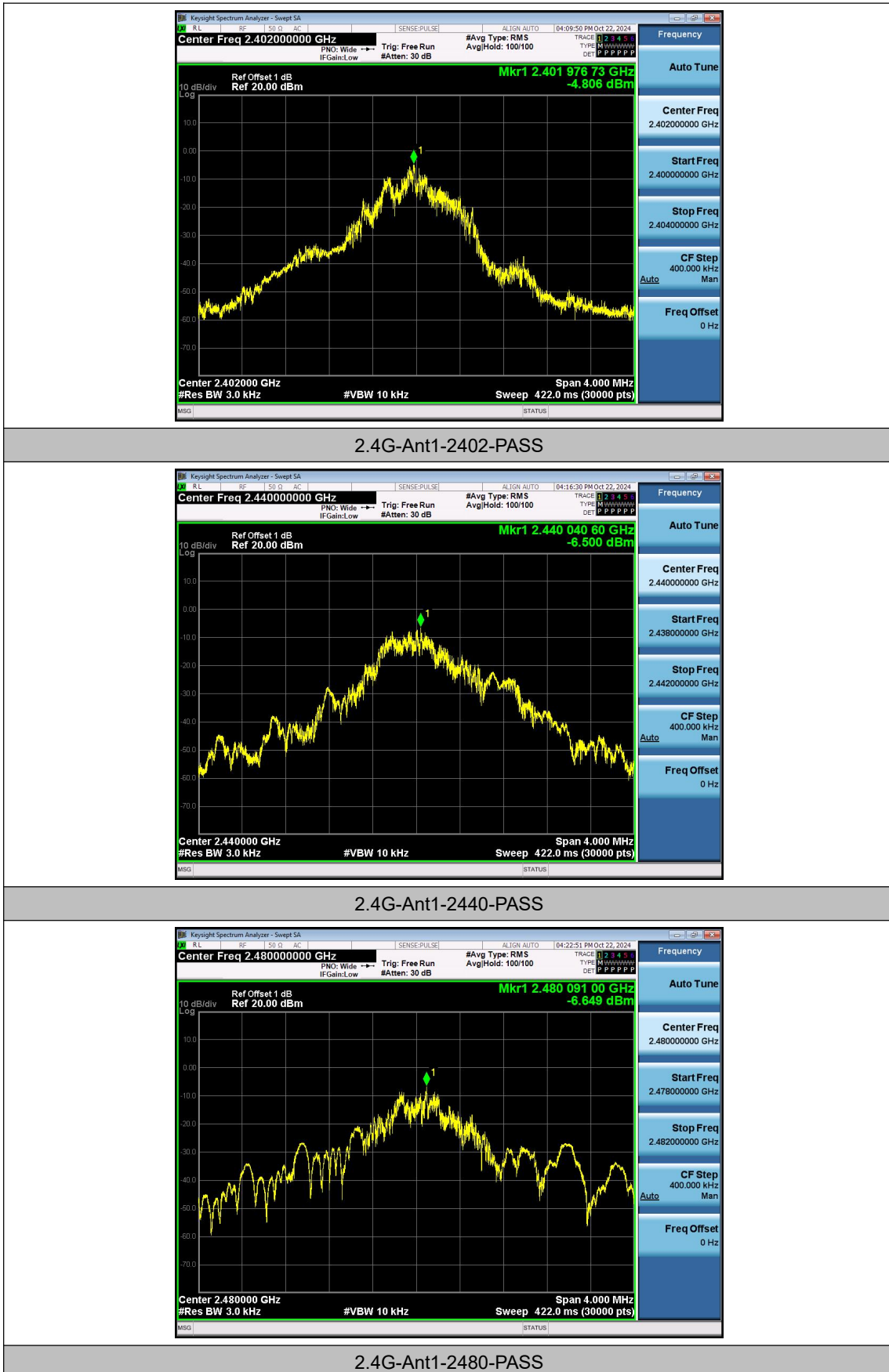
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-4.81	≤8.00	PASS
2.4G	Ant1	2440	-6.50	≤8.00	PASS
2.4G	Ant1	2480	-6.65	≤8.00	PASS



Test Graphs



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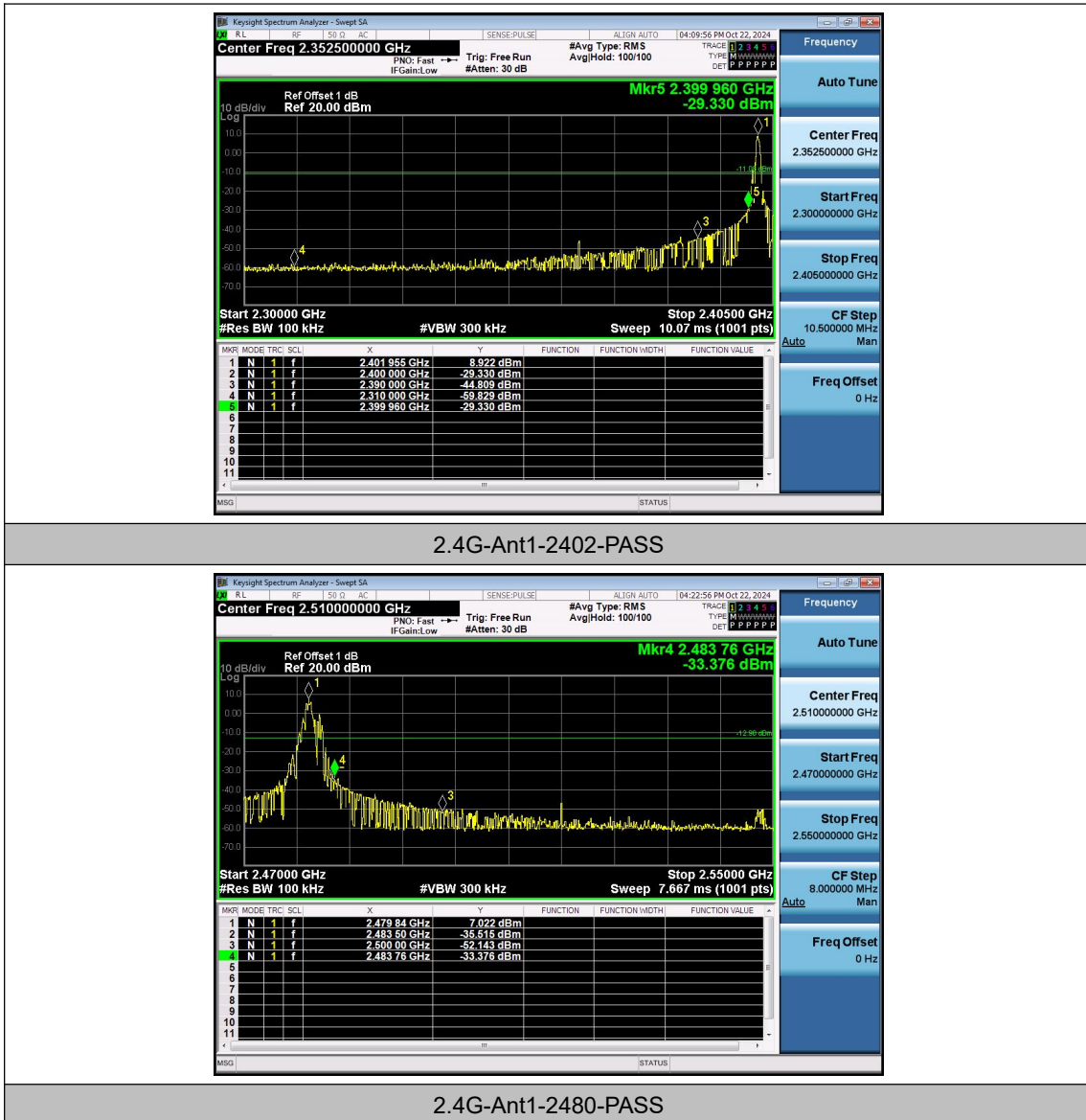
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	8.92	-29.33	≤-11.08	PASS
2.4G	Ant1	High	2480	7.02	-33.38	≤-12.98	PASS



Test Graphs



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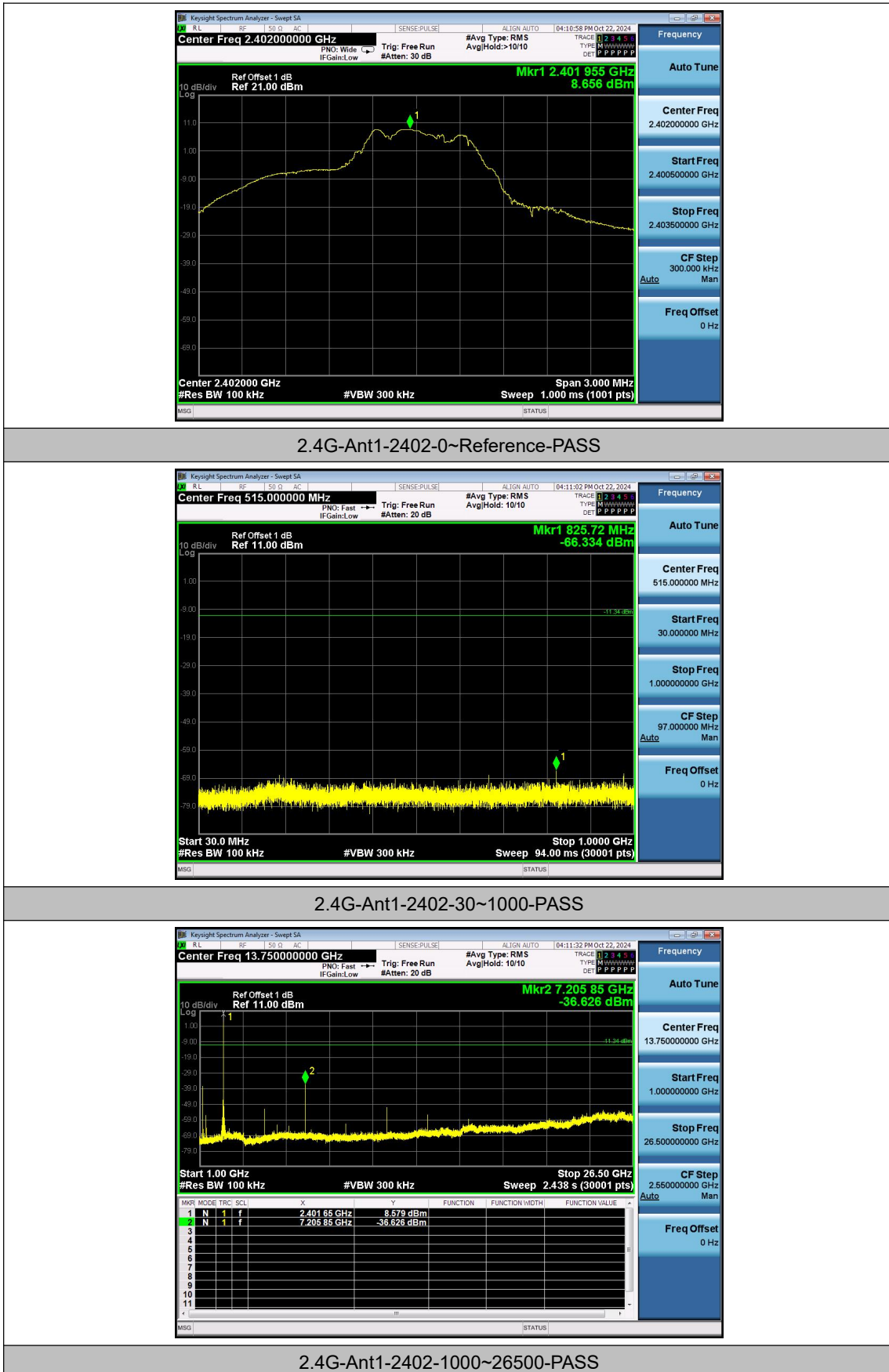
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	0~Reference	8.66	8.66	---	PASS
2.4G	Ant1	2402	30~1000	8.66	-66.33	≤-11.34	PASS
2.4G	Ant1	2402	1000~26500	8.66	-36.63	≤-11.34	PASS
2.4G	Ant1	2440	0~Reference	8.08	8.08	---	PASS
2.4G	Ant1	2440	30~1000	8.08	-65.16	≤-11.92	PASS
2.4G	Ant1	2440	1000~26500	8.08	-38.86	≤-11.92	PASS
2.4G	Ant1	2480	0~Reference	7.38	7.38	---	PASS
2.4G	Ant1	2480	30~1000	7.38	-63.17	≤-12.62	PASS
2.4G	Ant1	2480	1000~26500	7.38	-36.75	≤-12.62	PASS



Test Graphs



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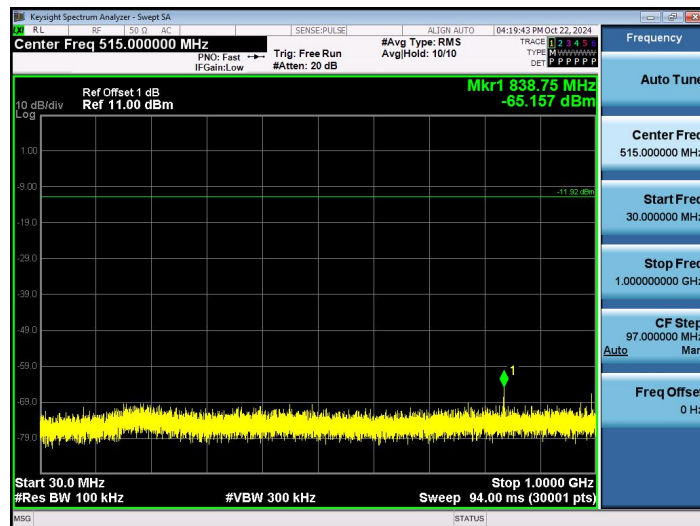
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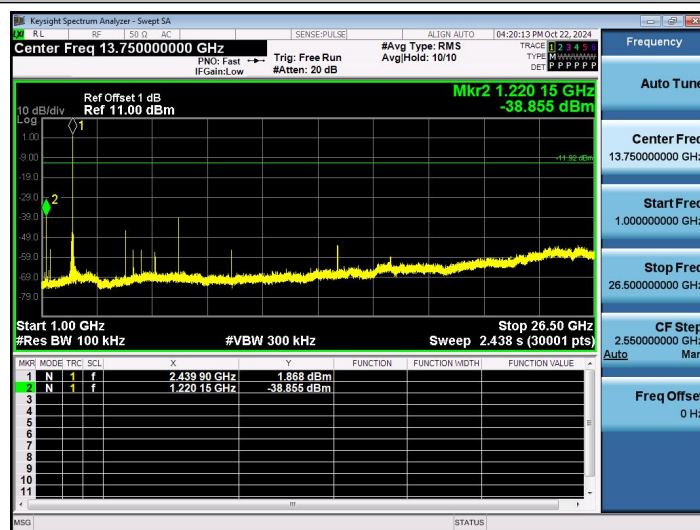




2.4G-Ant1-2440-0~Reference-PASS



2.4G-Ant1-2440-30~1000-PASS

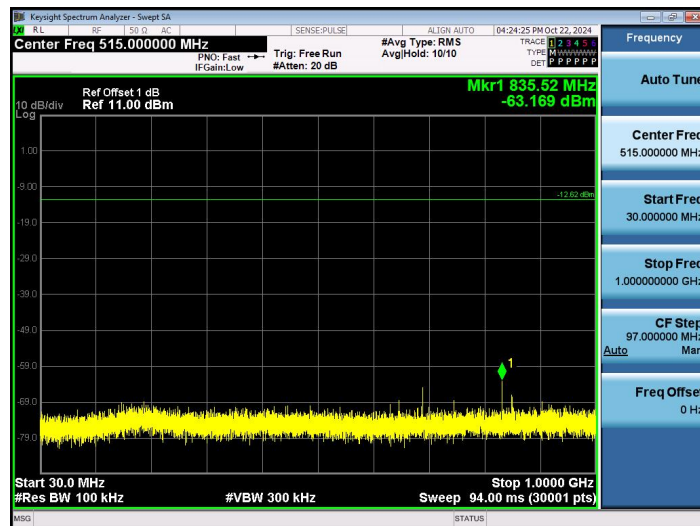


2.4G-Ant1-2440-1000~26500-PASS

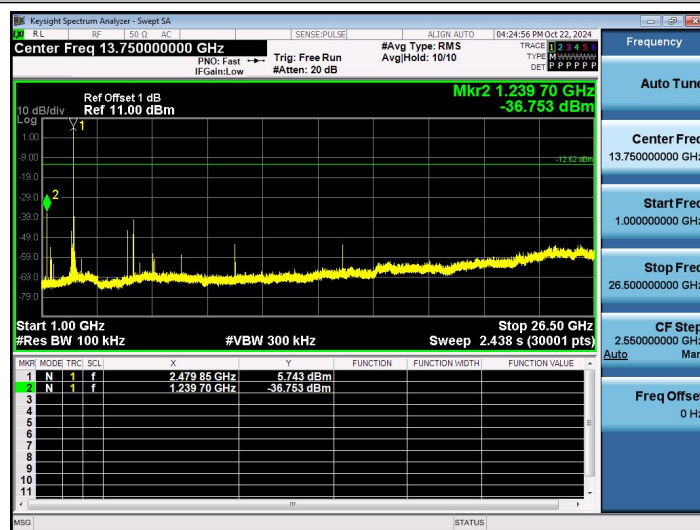




2.4G-Ant1-2480-0~Reference-PASS



2.4G-Ant1-2480-30~1000-PASS



2.4G-Ant1-2480-1000~26500-PASS



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	0.15	1.49	10.07	9.97
2.4G	Ant1	2440	0.15	1.48	10.14	9.94
2.4G	Ant1	2480	0.16	1.49	10.74	9.69

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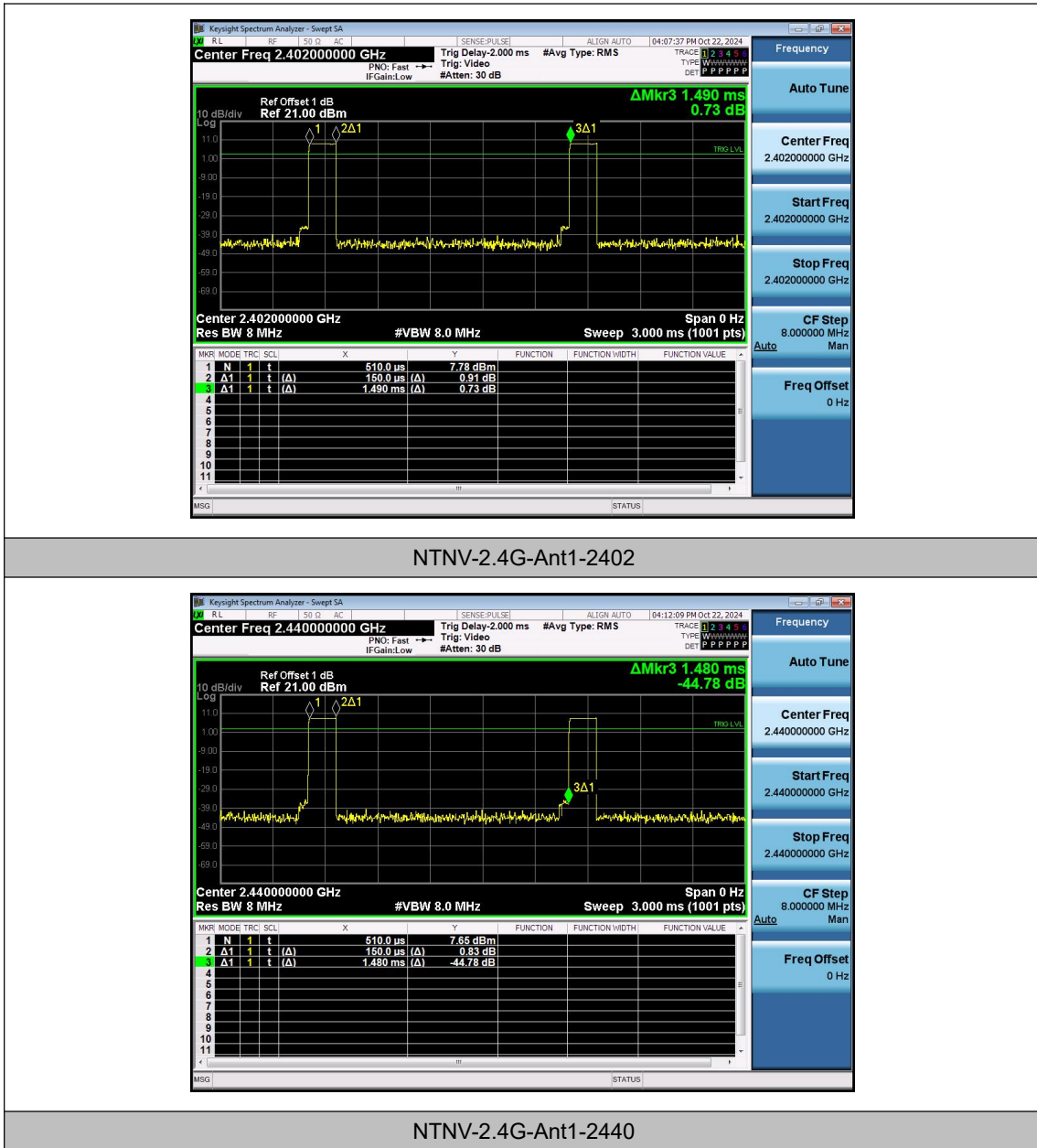
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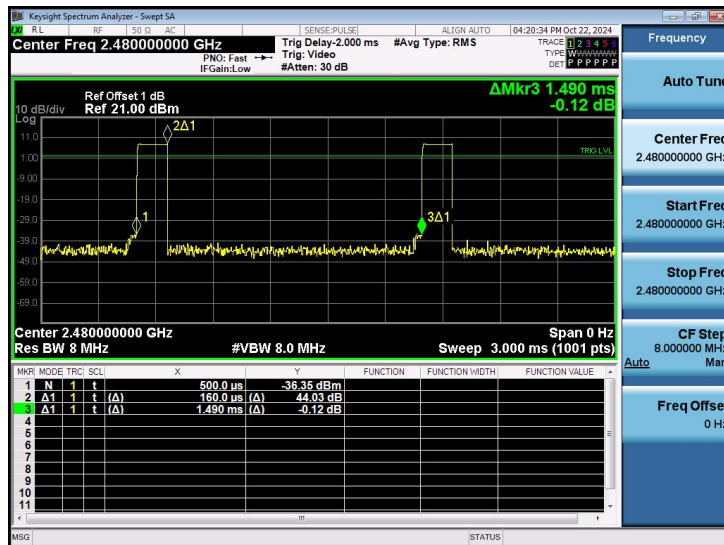


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Test Graphs





NTNV-2.4G-Ant1-2480

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