

Appendix Test Data

Report No.:	182519C400039101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.30	Finish Test Date:	2024.6.12
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

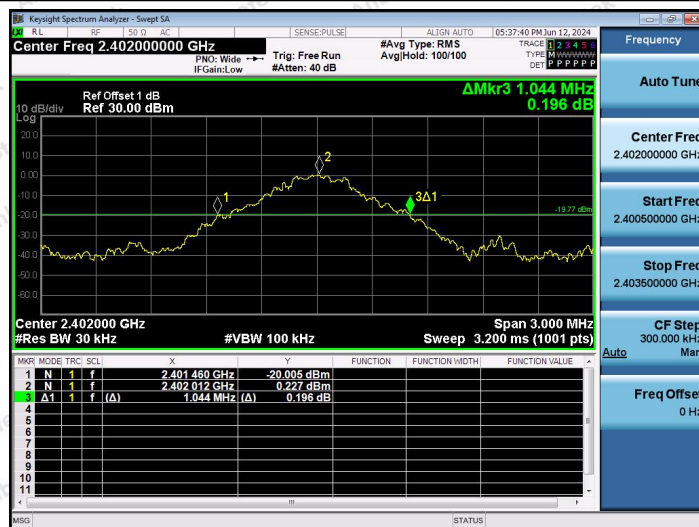
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.044	2401.460	2402.504	---	---
2.4G	Ant1	2441	0.978	2440.523	2441.501	---	---
2.4G	Ant1	2480	0.990	2479.514	2480.504	---	---



Test Graphs



2.4G-Ant1-2402



2.4G-Ant1-2441



2.4G-Ant1-2480

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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	0.91443	2401.5472	2402.4616	---	---
2.4G	Ant1	2441	0.90067	2440.5502	2441.4508	---	---
2.4G	Ant1	2480	0.90454	2479.5502	2480.4547	---	---

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Test Graphs



2.4G-Ant1-2402



2.4G-Ant1-2441



2.4G-Ant1-2480

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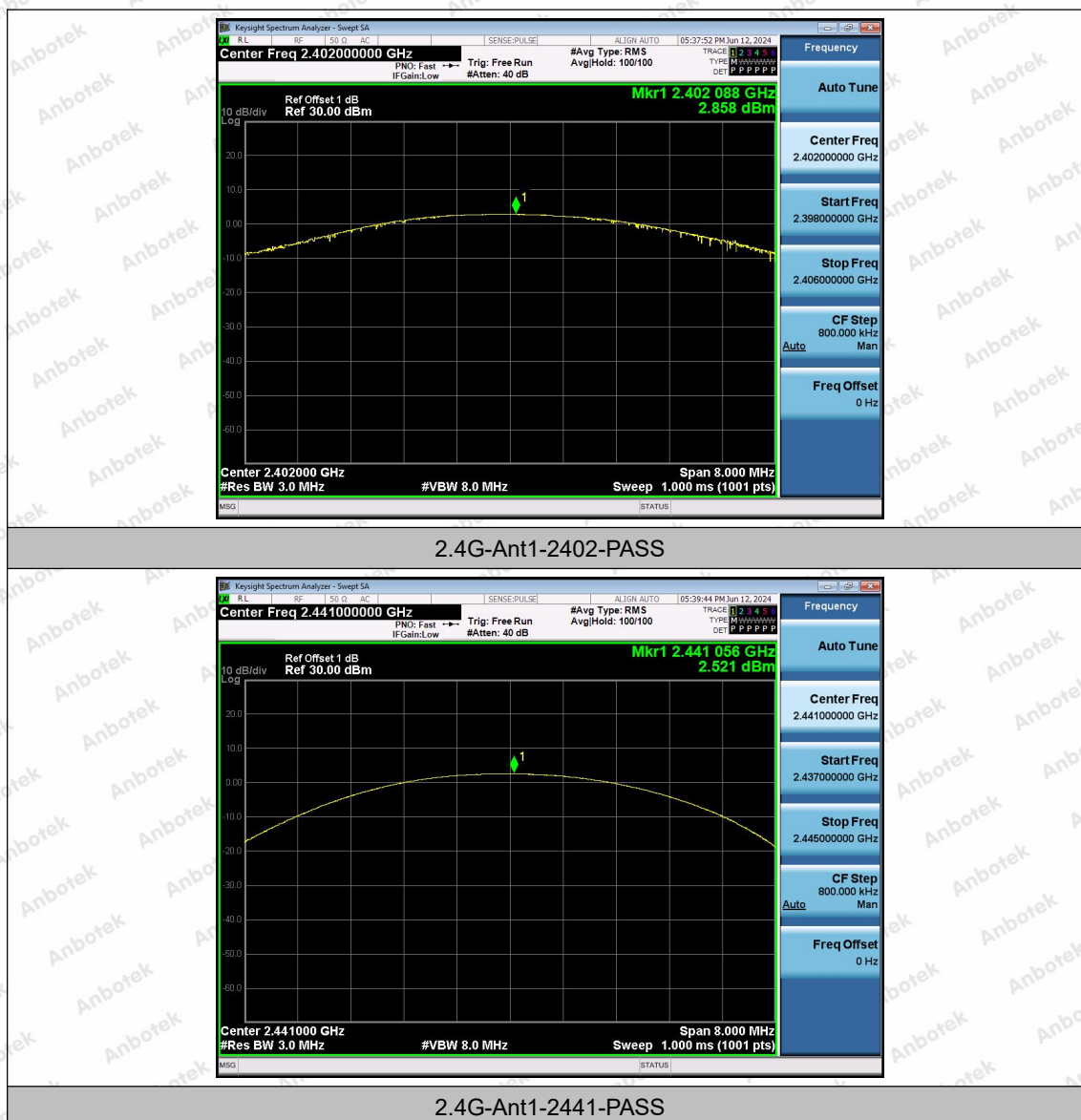


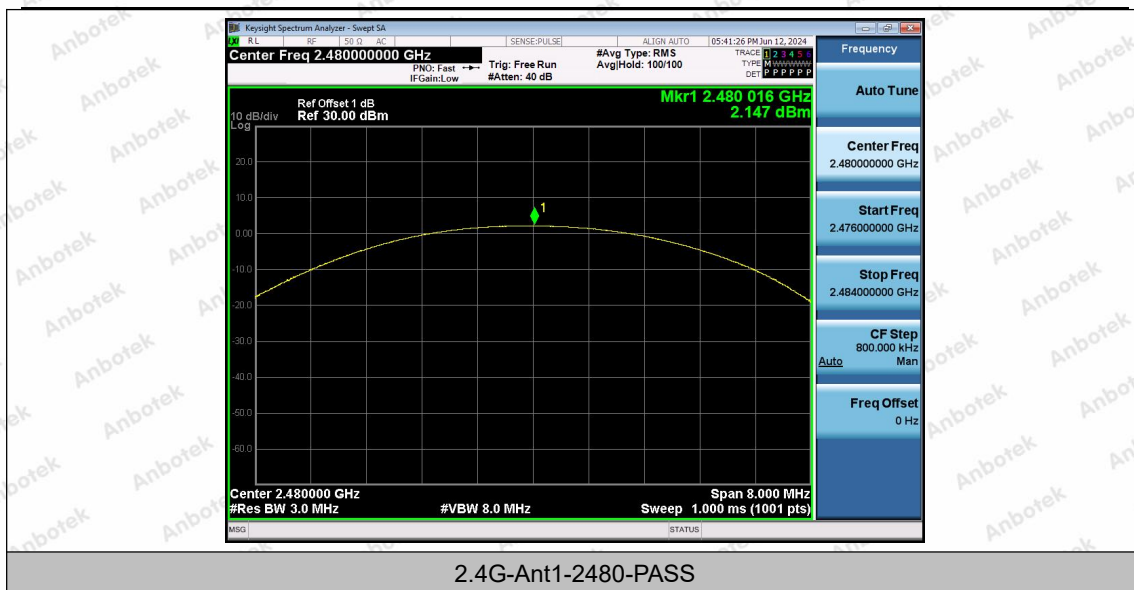
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2402	2.86	≤20.97	PASS
2.4G	Ant1	2441	2.52	≤20.97	PASS
2.4G	Ant1	2480	2.15	≤20.97	PASS

Test Graphs



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.338	≥1.044	PASS

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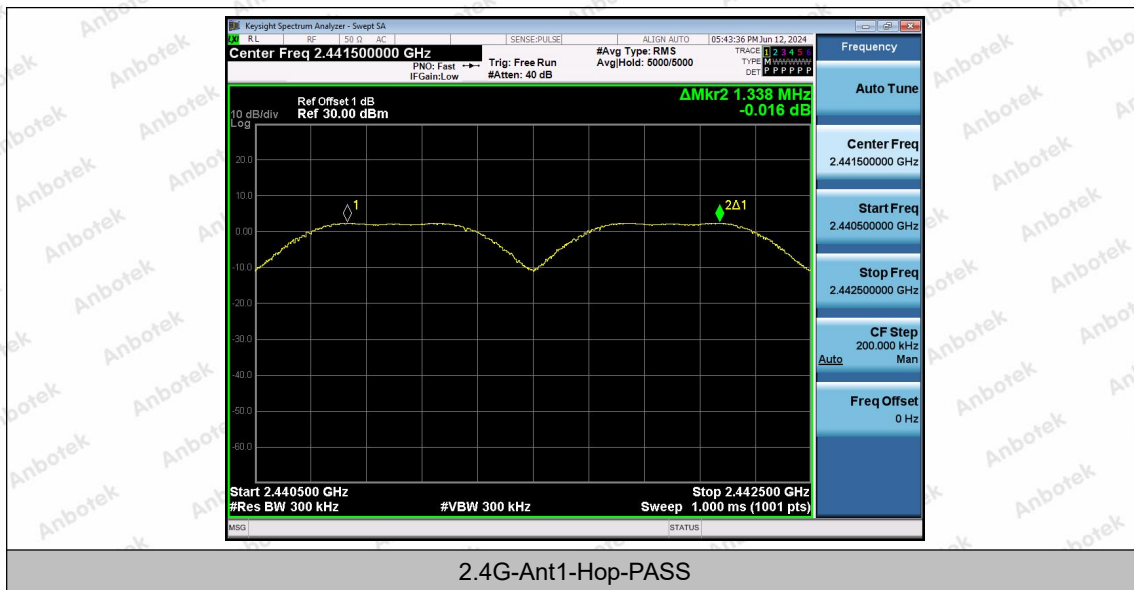
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Test Graphs



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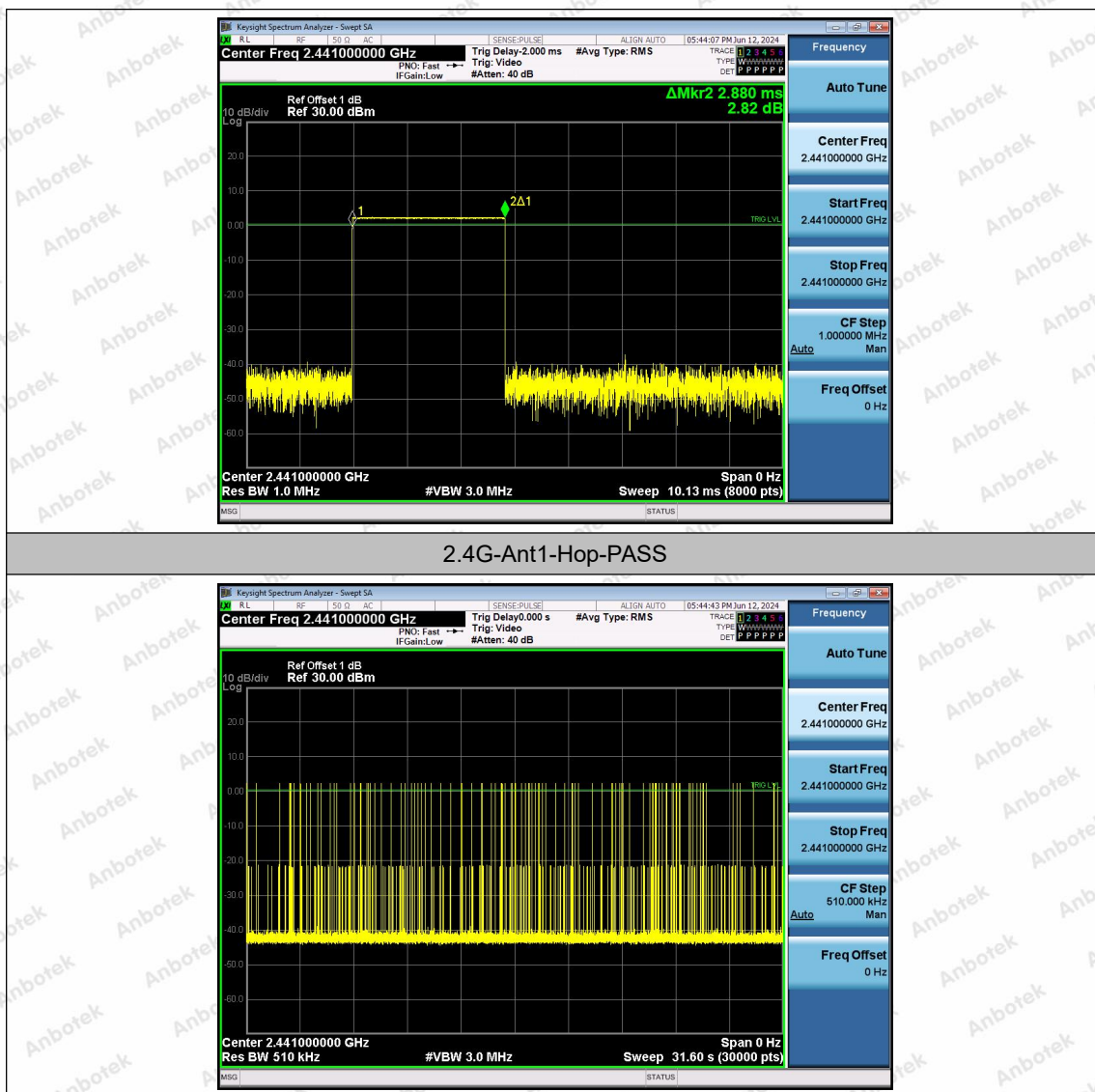
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.880	102	0.294	≤0.4	PASS



Test Graphs



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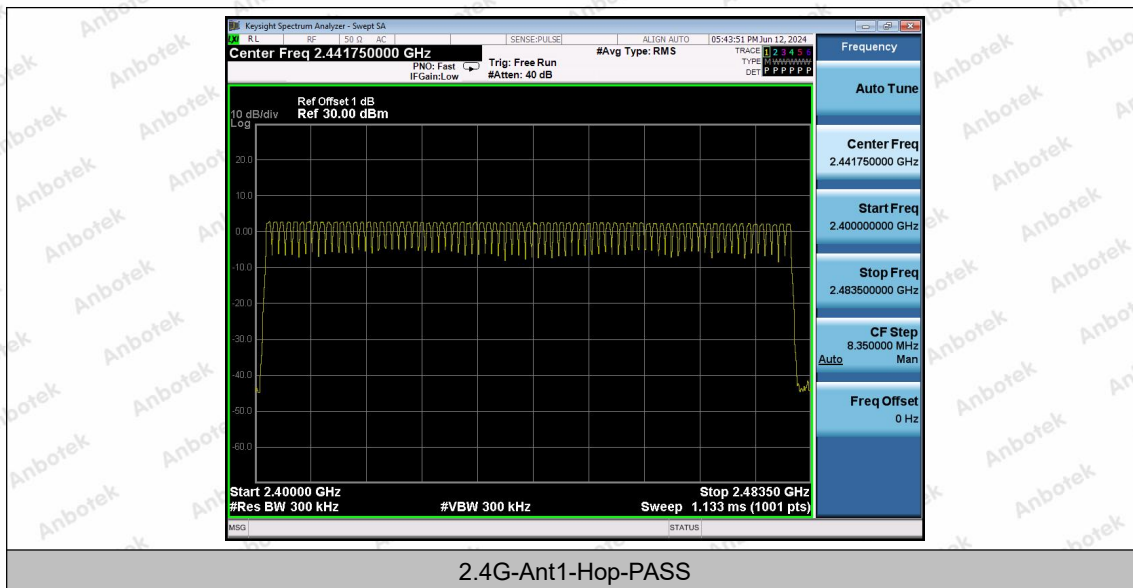
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	79	≥15	PASS



Test Graphs



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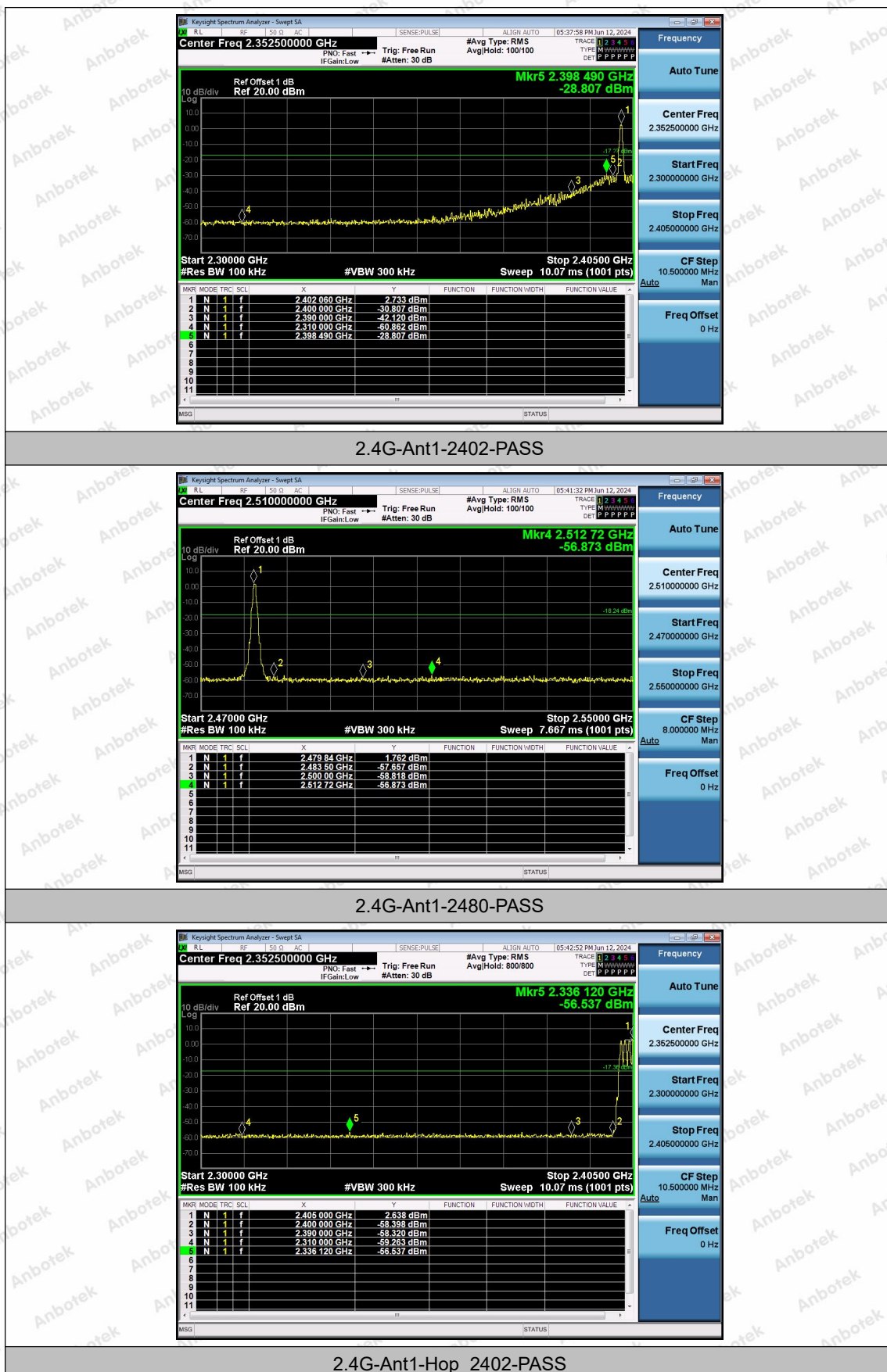
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2402	2.73	-28.81	≤-17.27	PASS
2.4G	Ant1	High	2480	1.76	-56.87	≤-18.24	PASS
2.4G	Ant1	Low	Hop_2402	2.64	-56.54	≤-17.36	PASS
2.4G	Ant1	High	Hop_2480	1.77	-55.89	≤-18.23	PASS



Test Graphs



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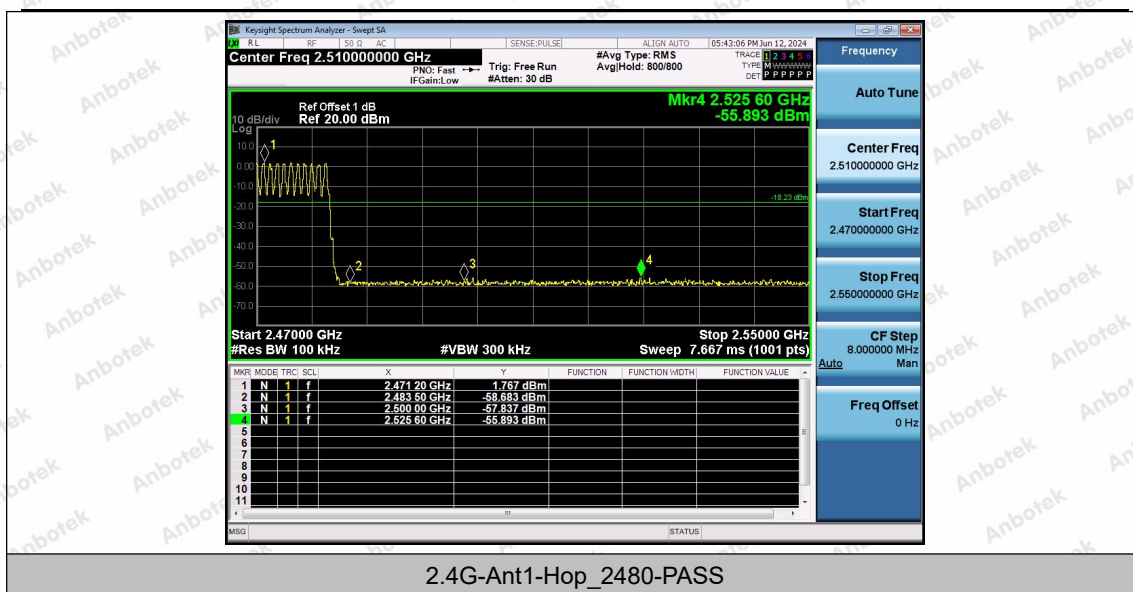


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Appendix H: Conducted Spurious Emission

Test Result

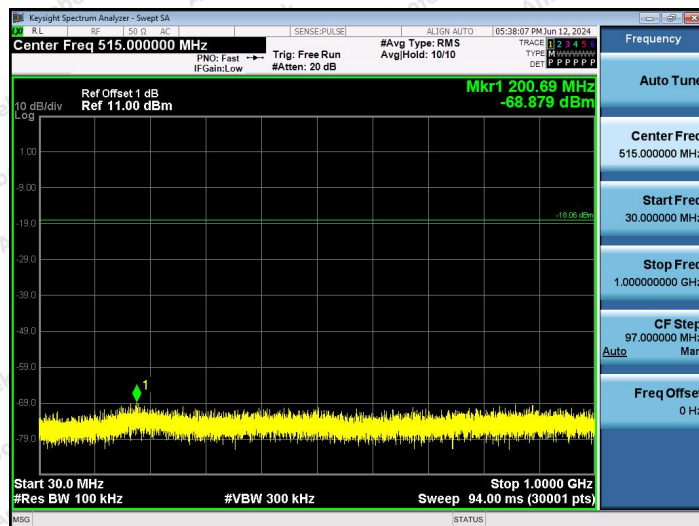
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	0~Reference	1.94	1.94	---	PASS
2.4G	Ant1	2402	30~1000	1.94	-68.88	≤-18.06	PASS
2.4G	Ant1	2402	1000~26500	1.94	-44.11	≤-18.06	PASS
2.4G	Ant1	2441	0~Reference	1.69	1.69	---	PASS
2.4G	Ant1	2441	30~1000	1.69	-67.85	≤-18.31	PASS
2.4G	Ant1	2441	1000~26500	1.69	-43.47	≤-18.31	PASS
2.4G	Ant1	2480	0~Reference	1.30	1.30	---	PASS
2.4G	Ant1	2480	30~1000	1.30	-68.68	≤-18.7	PASS
2.4G	Ant1	2480	1000~26500	1.30	-44.67	≤-18.7	PASS



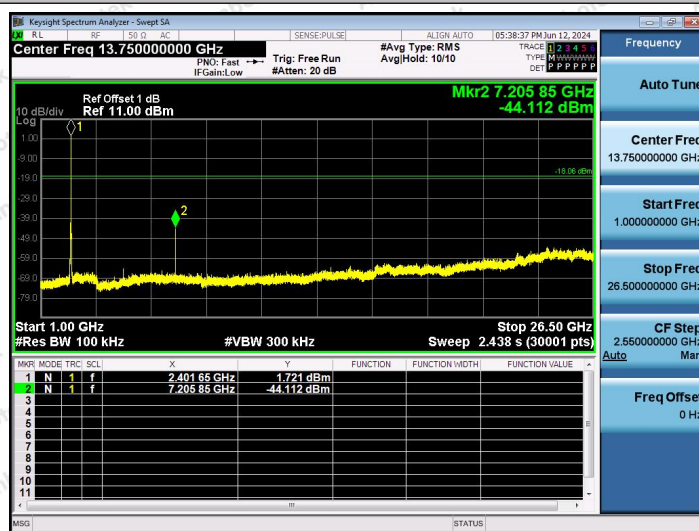
Test Graphs



2.4G-Ant1-2402-0~Reference-PASS



2.4G-Ant1-2402-30~1000-PASS



2.4G-Ant1-2402-1000~26500-PASS

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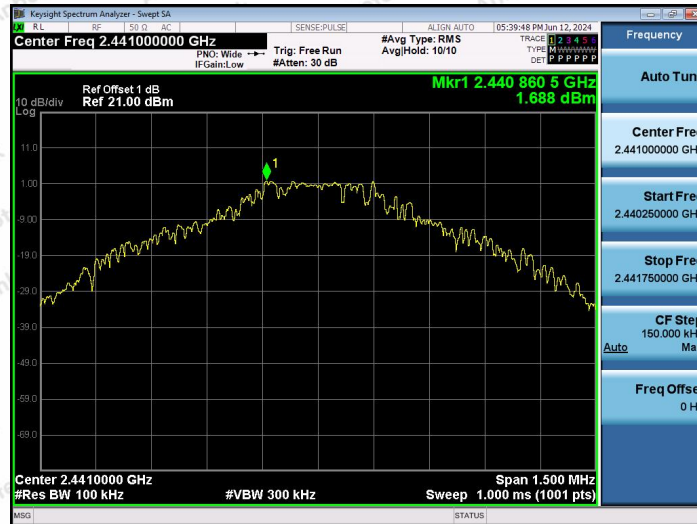


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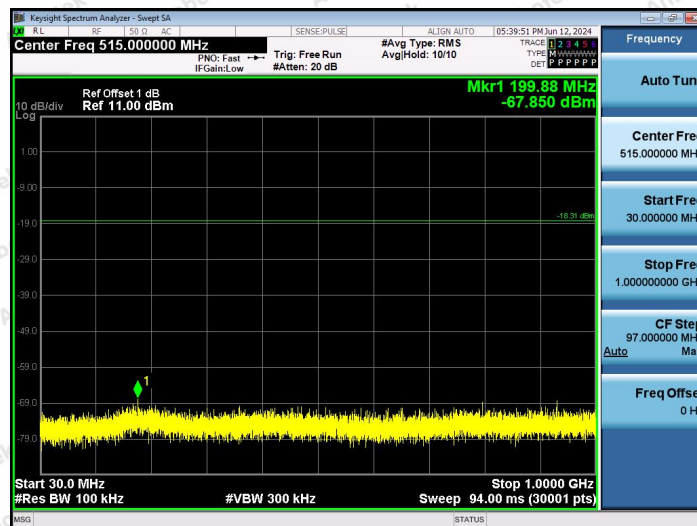
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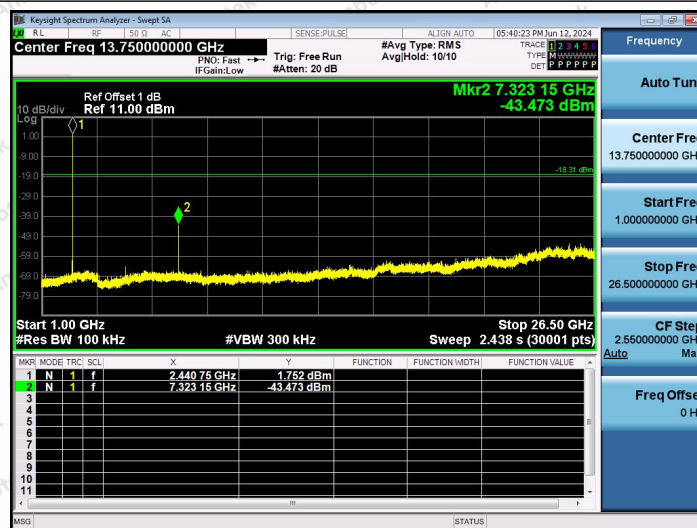




2.4G-Ant1-2441-0~Reference-PASS

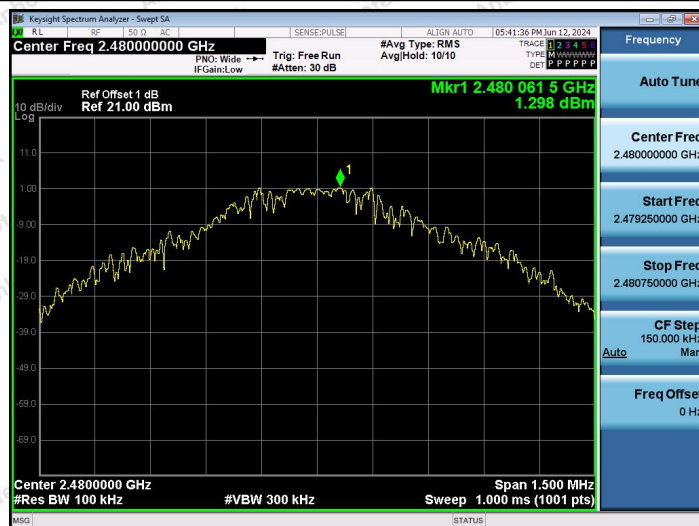


2.4G-Ant1-2441-30~1000-PASS

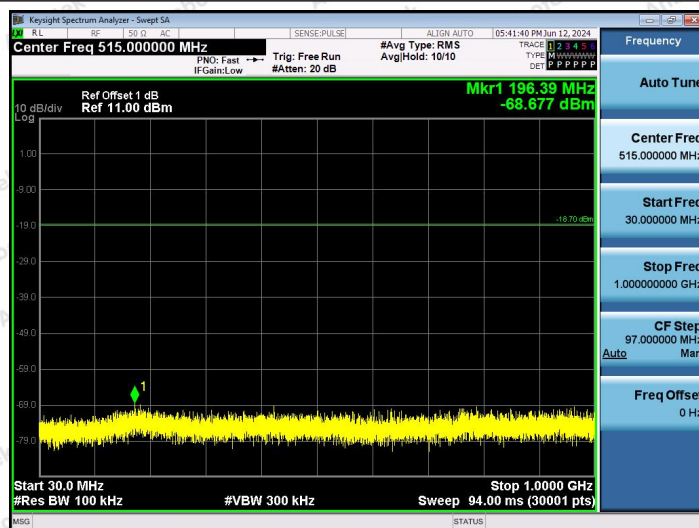


2.4G-Ant1-2441-1000~26500-PASS

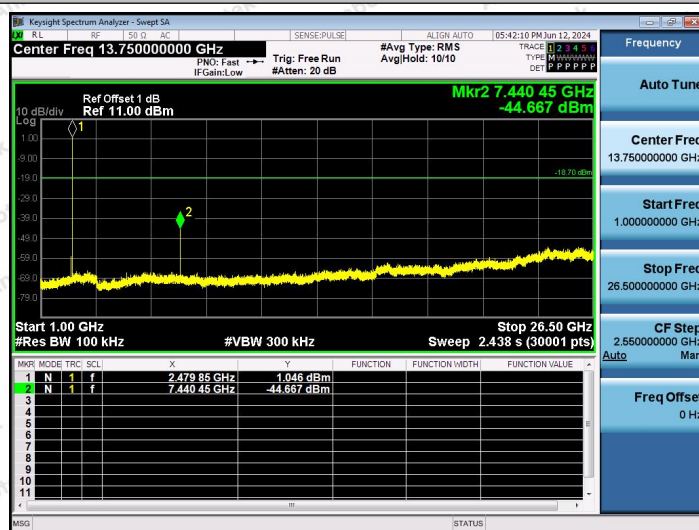




2.4G-Ant1-2480-0~Reference-PASS



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



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

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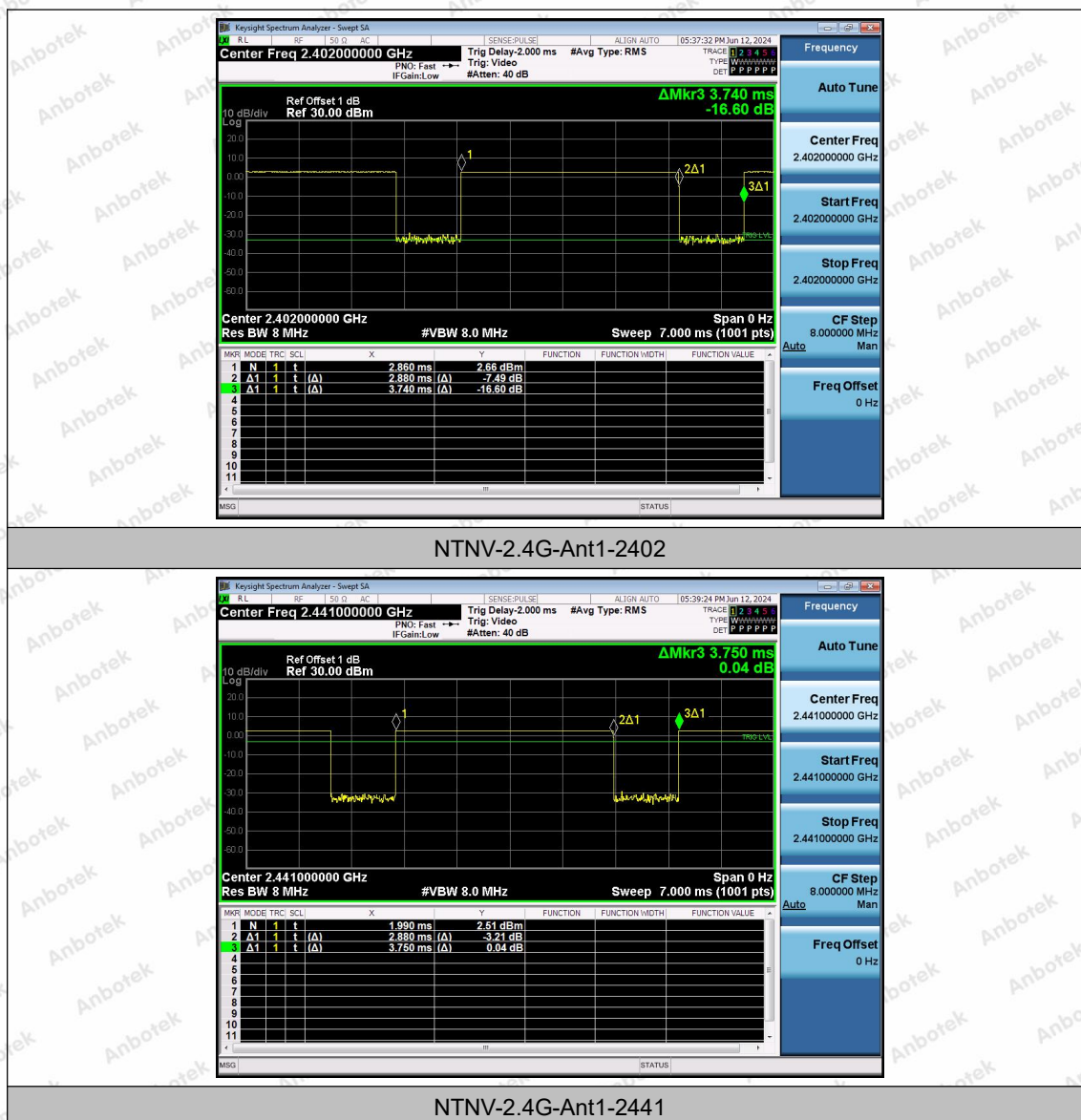


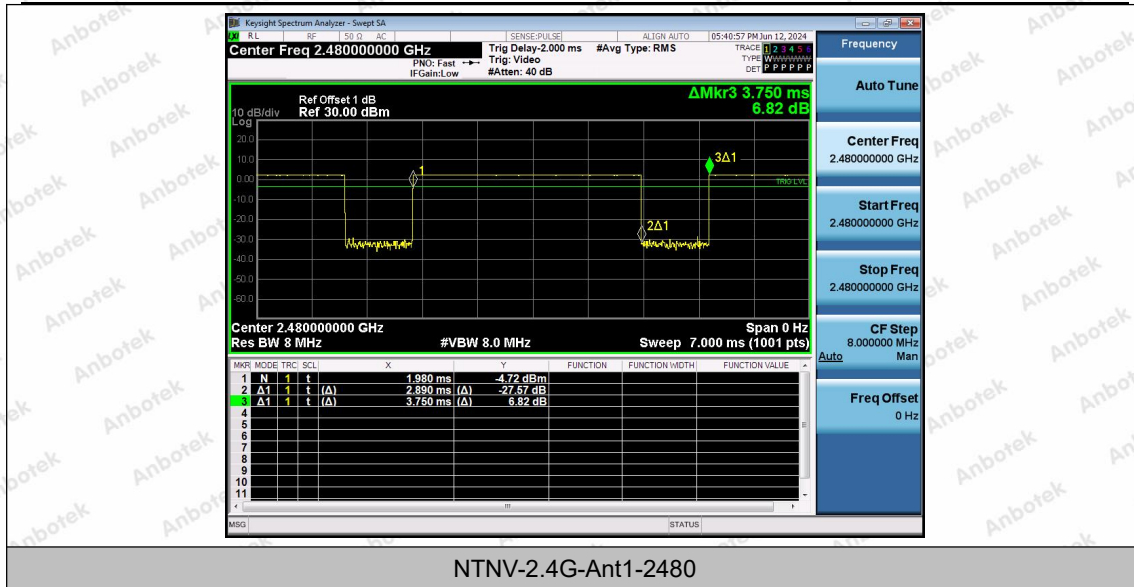
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2402	2.88	3.74	77.01	1.13
2.4G	Ant1	2441	2.88	3.75	76.80	1.15
2.4G	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs





---End---

