

Report No.:	18220WC30251901	Test Sample No.:	1-2-2
Start Test Date:	2023.12.04	Finish Test Date:	2023.12.05
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.2°C	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.200	2406.825	2409.025	---	---
		2440	2.145	2438.880	2441.025	---	---
		2474	2.280	2472.810	2475.090	---	---

Test Graphs



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2.4G_Ant1_2440



2.4G_Ant1_2474



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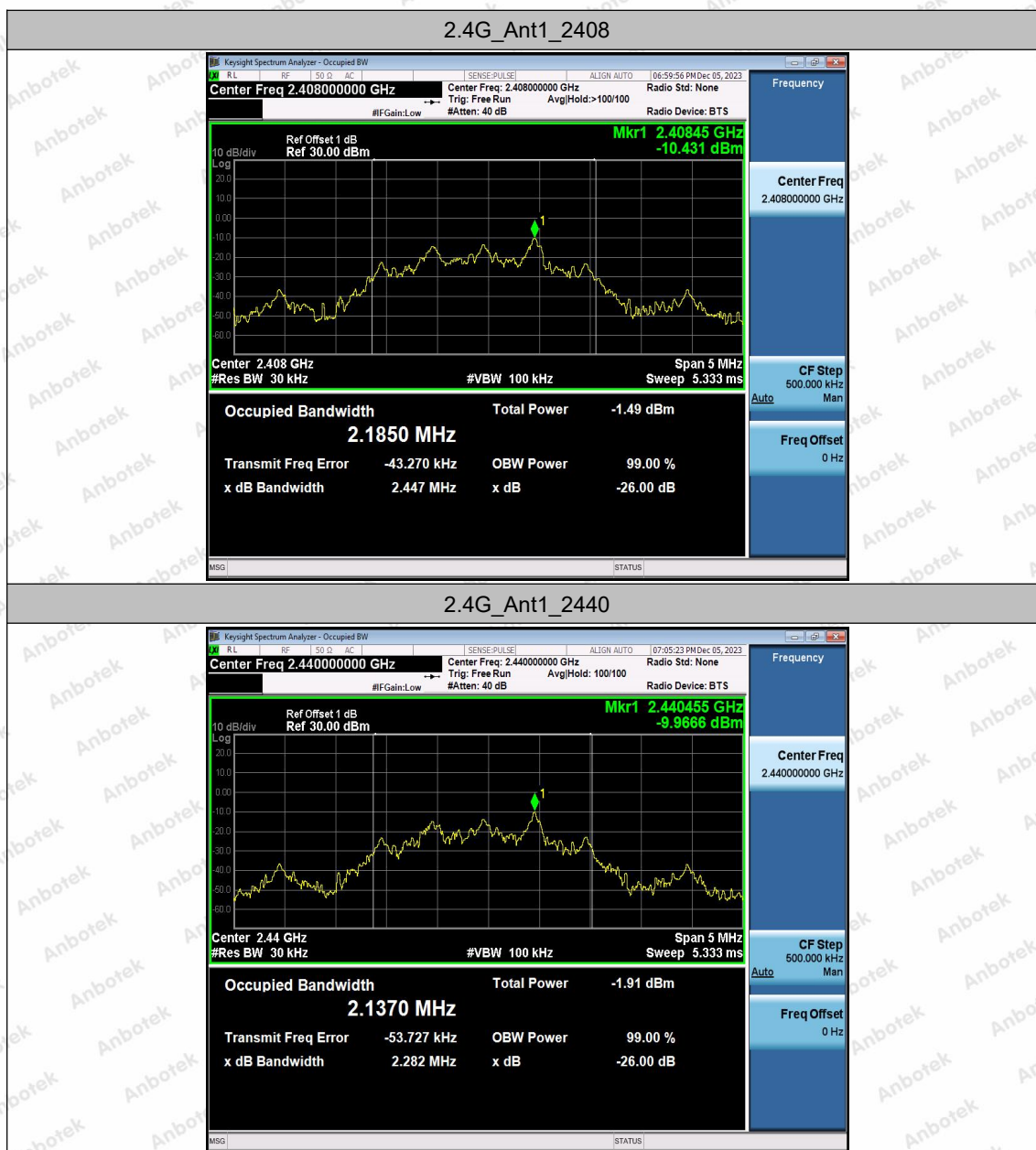


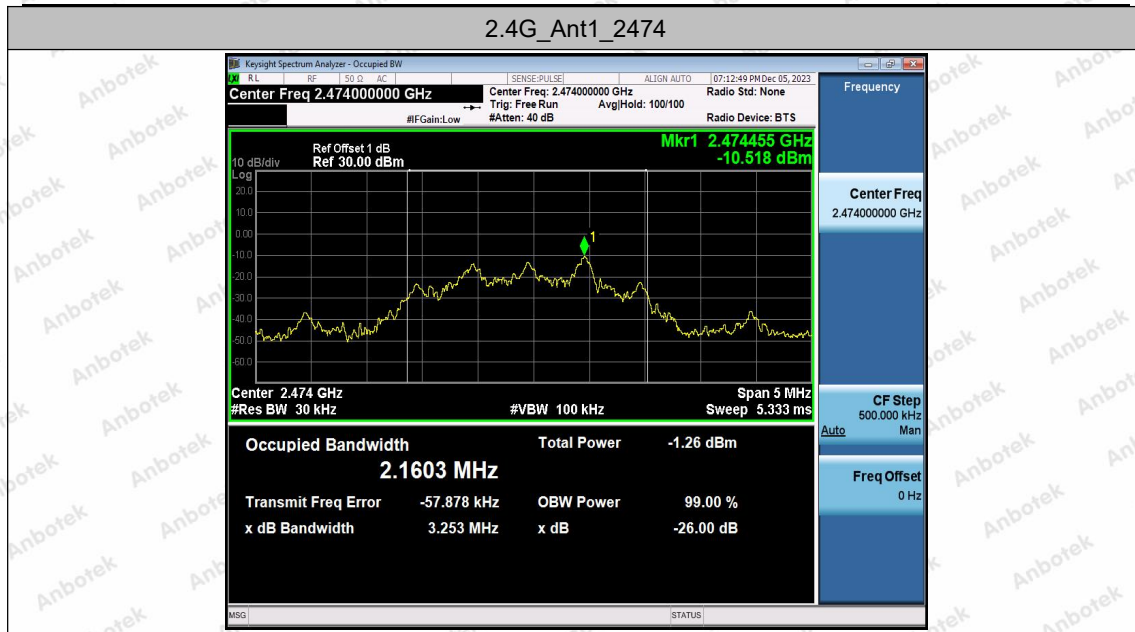
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.1850	2406.8642	2409.0492	---	---
		2440	2.1370	2438.8778	2441.0148	---	---
		2474	2.1603	2472.8620	2475.0223	---	---

Test Graphs



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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	2408	-8.26	≤20.97	PASS
		2440	-8.33	≤20.97	PASS
		2474	-8.14	≤20.97	PASS

Test Graphs



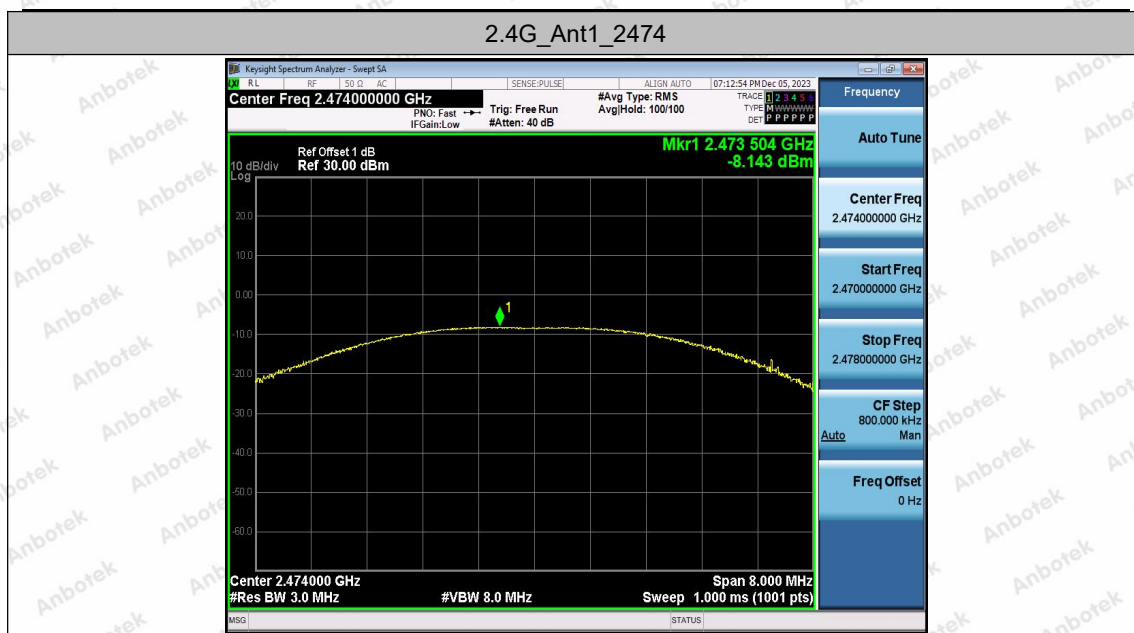
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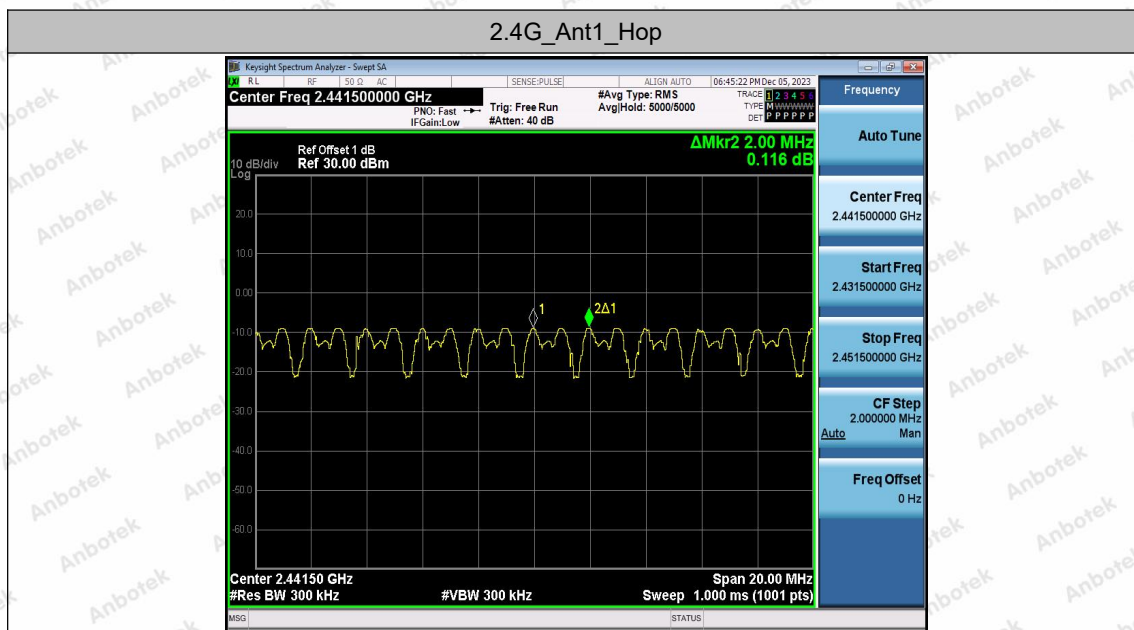


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.000	≥1.520	PASS

Test Graphs



Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	7.886	50	0.39	≤0.4	PASS

Test Graphs



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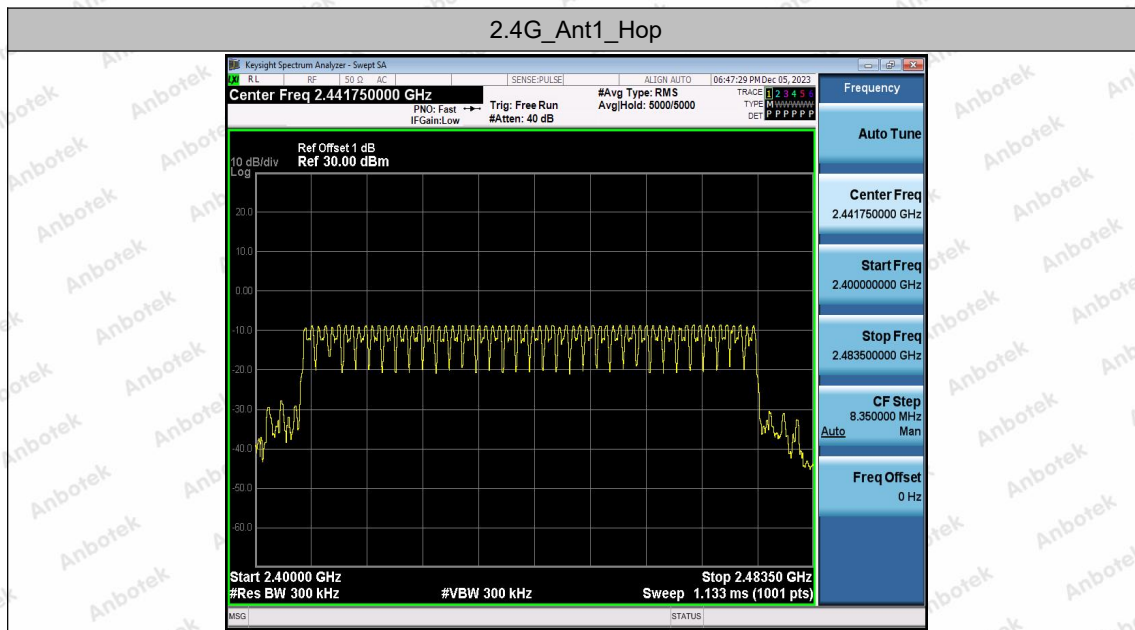


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	34	≥15	PASS

Test Graphs

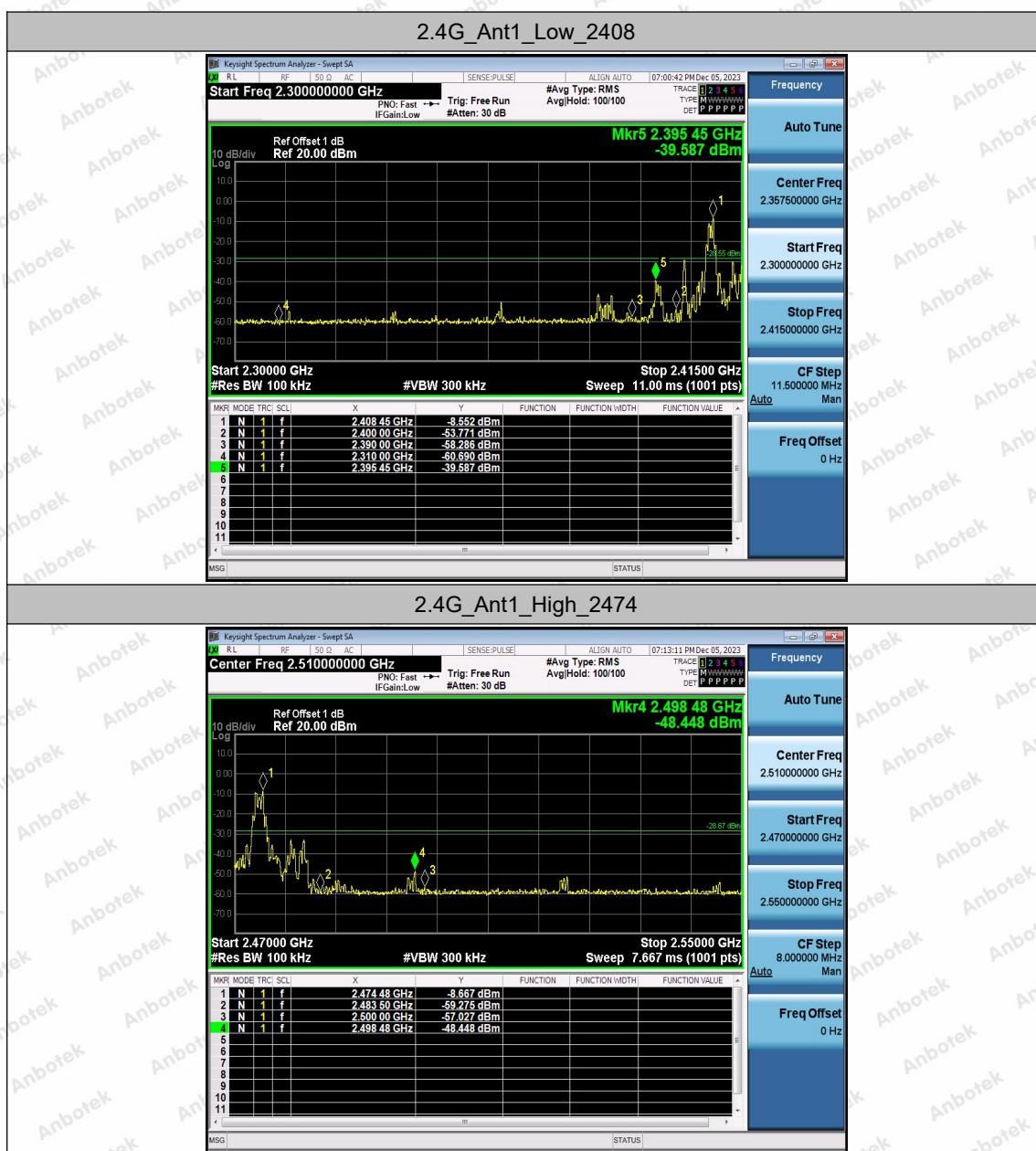


Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2408	-8.55	-39.59	≤-28.55	PASS
		High	2474	-8.67	-48.45	≤-28.67	PASS
		Low	Hop_2408	-8.52	-45.55	≤-28.52	PASS
		High	Hop_2474	-8.54	-34.89	≤-28.54	PASS

Test Graphs



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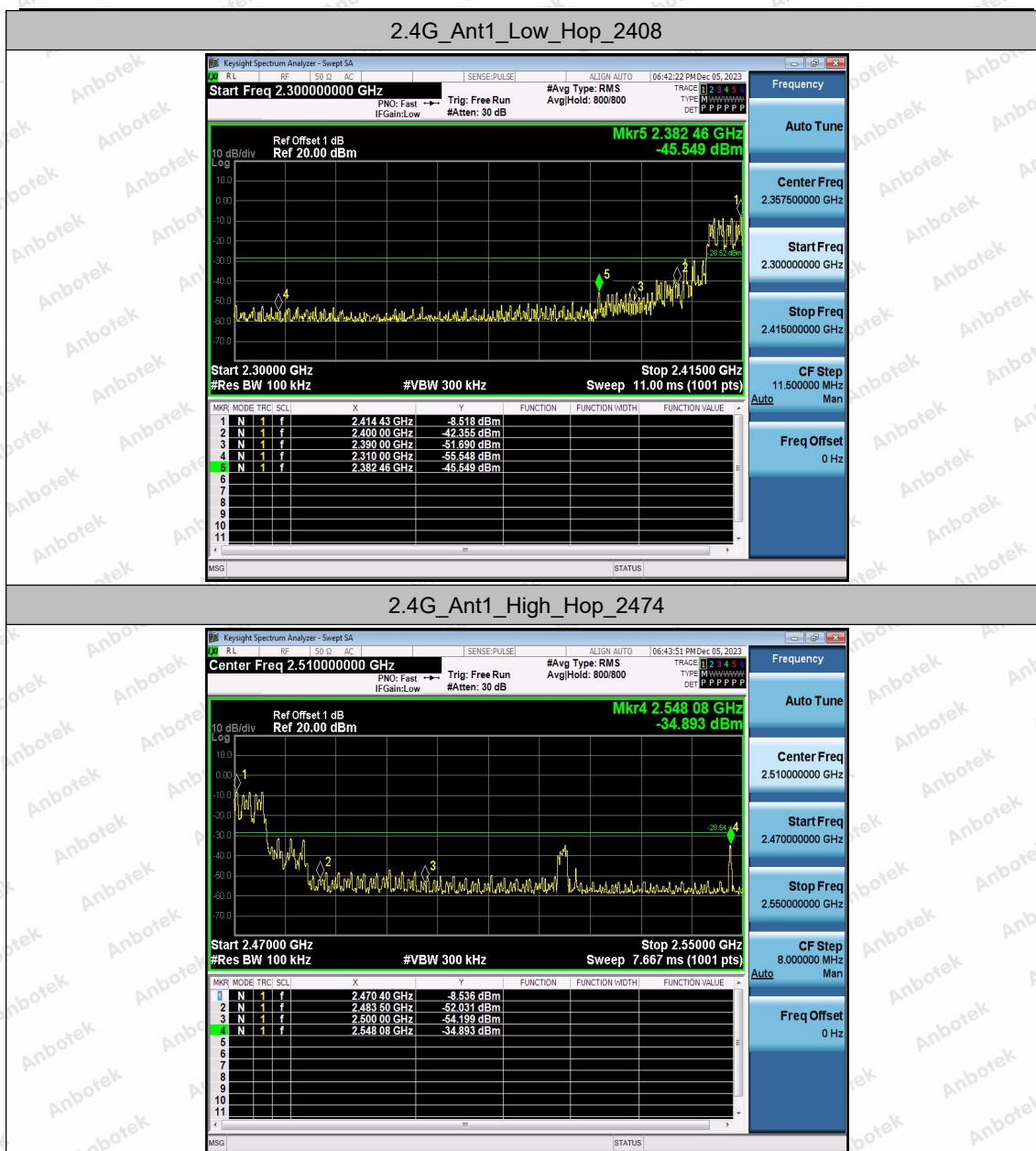


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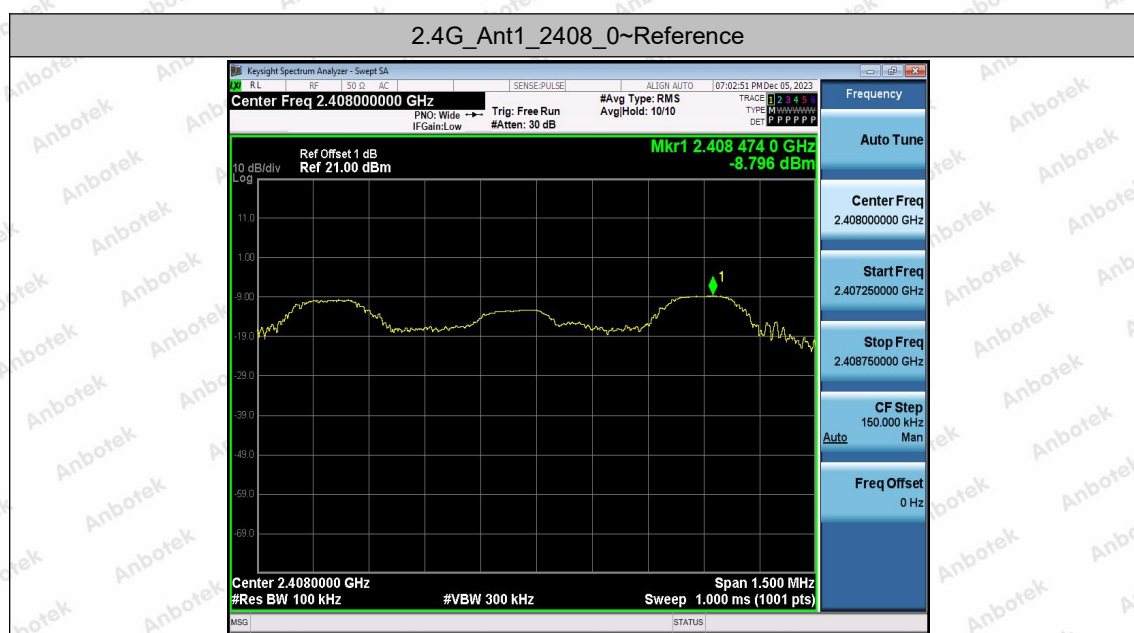


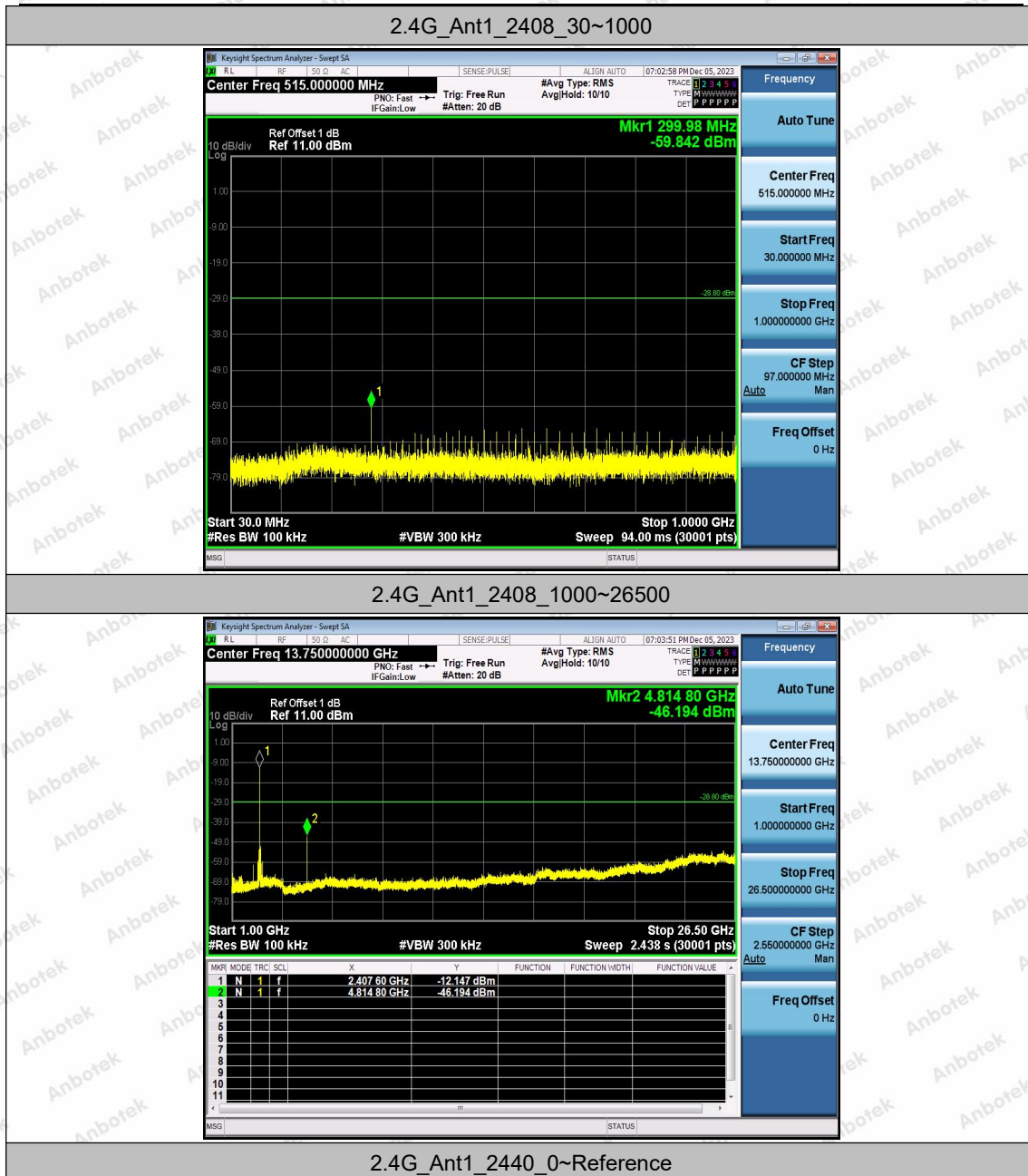
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2408	Reference	-8.80	-8.80	---	PASS
			30~1000	-8.80	-59.84	≤-28.8	PASS
			1000~26500	-8.80	-46.19	≤-28.8	PASS
		2440	Reference	-8.82	-8.82	---	PASS
			30~1000	-8.82	-64.82	≤-28.82	PASS
			1000~26500	-8.82	-41.42	≤-28.82	PASS
		2474	Reference	-8.61	-8.61	---	PASS
			30~1000	-8.61	-64.88	≤-28.61	PASS
			1000~26500	-8.61	-53.23	≤-28.61	PASS

Test Graphs





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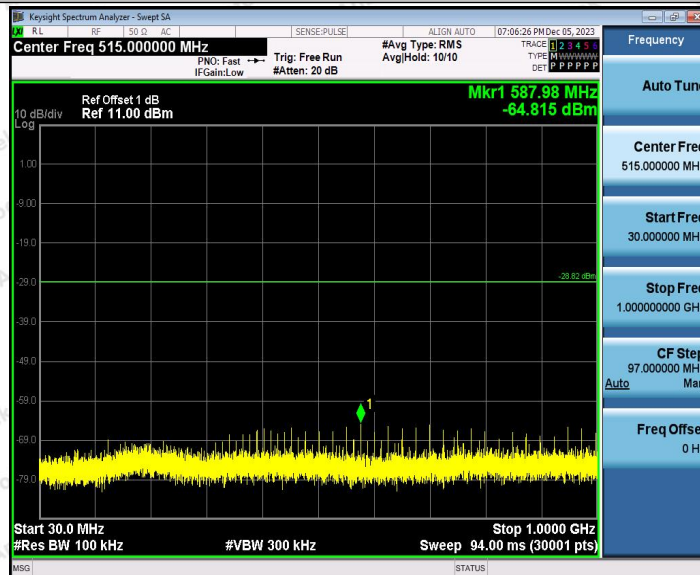


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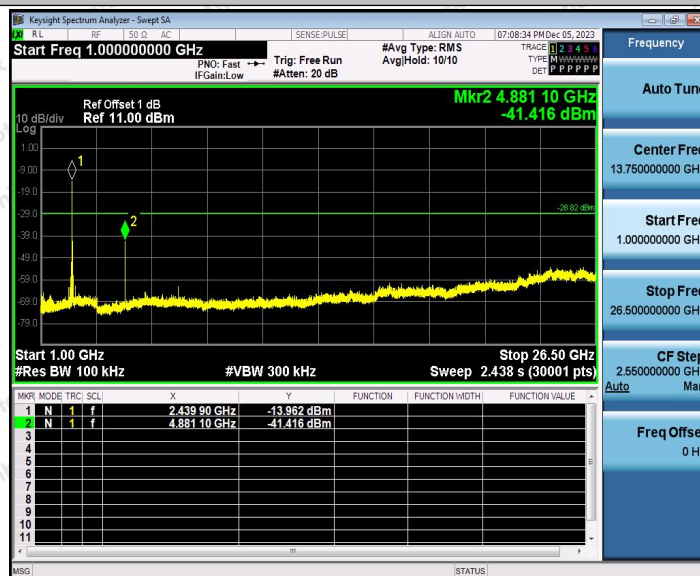




2.4G_Ant1_2440_30~1000



2.4G_Ant1_2440_1000~26500



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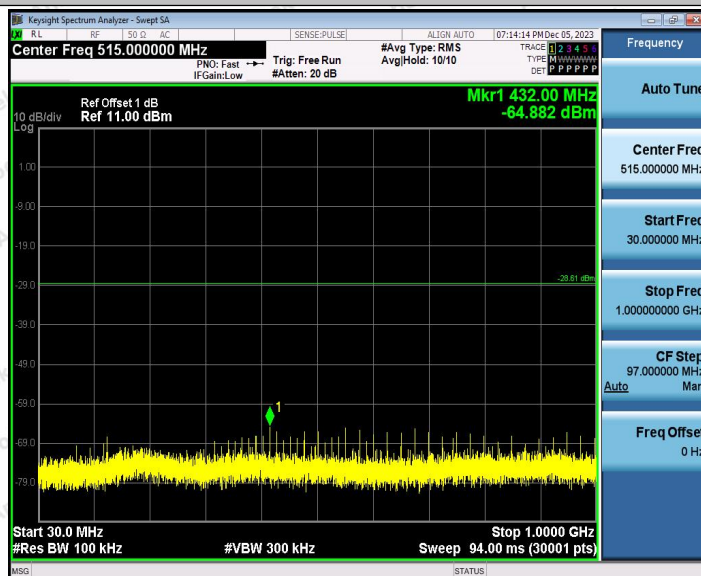
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2.4G_Ant1_2474_0~Reference



2.4G_Ant1_2474_30~1000



2.4G_Ant1_2474_1000~26500

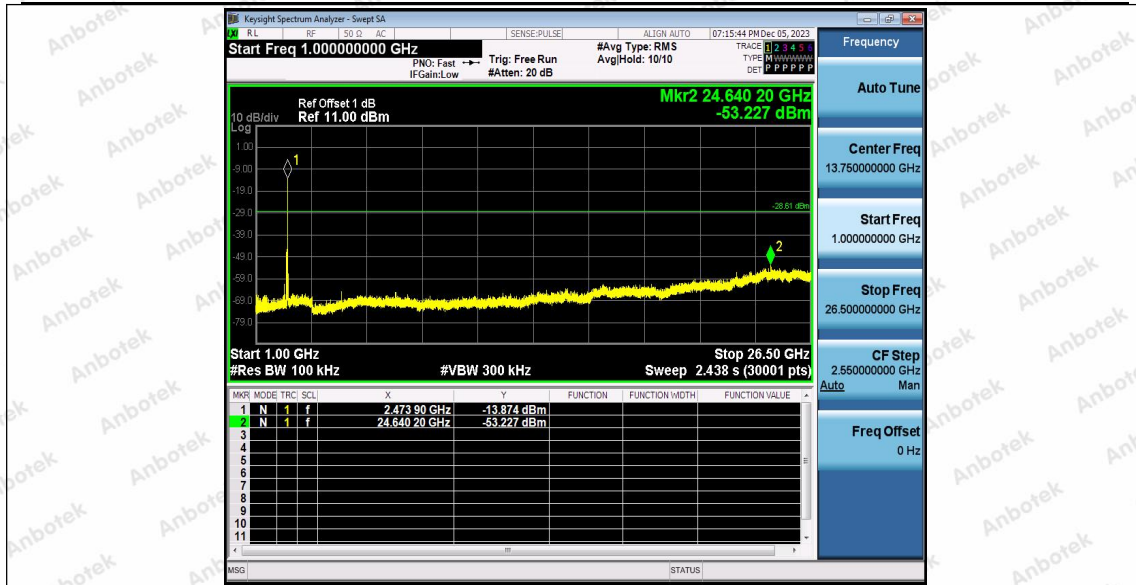
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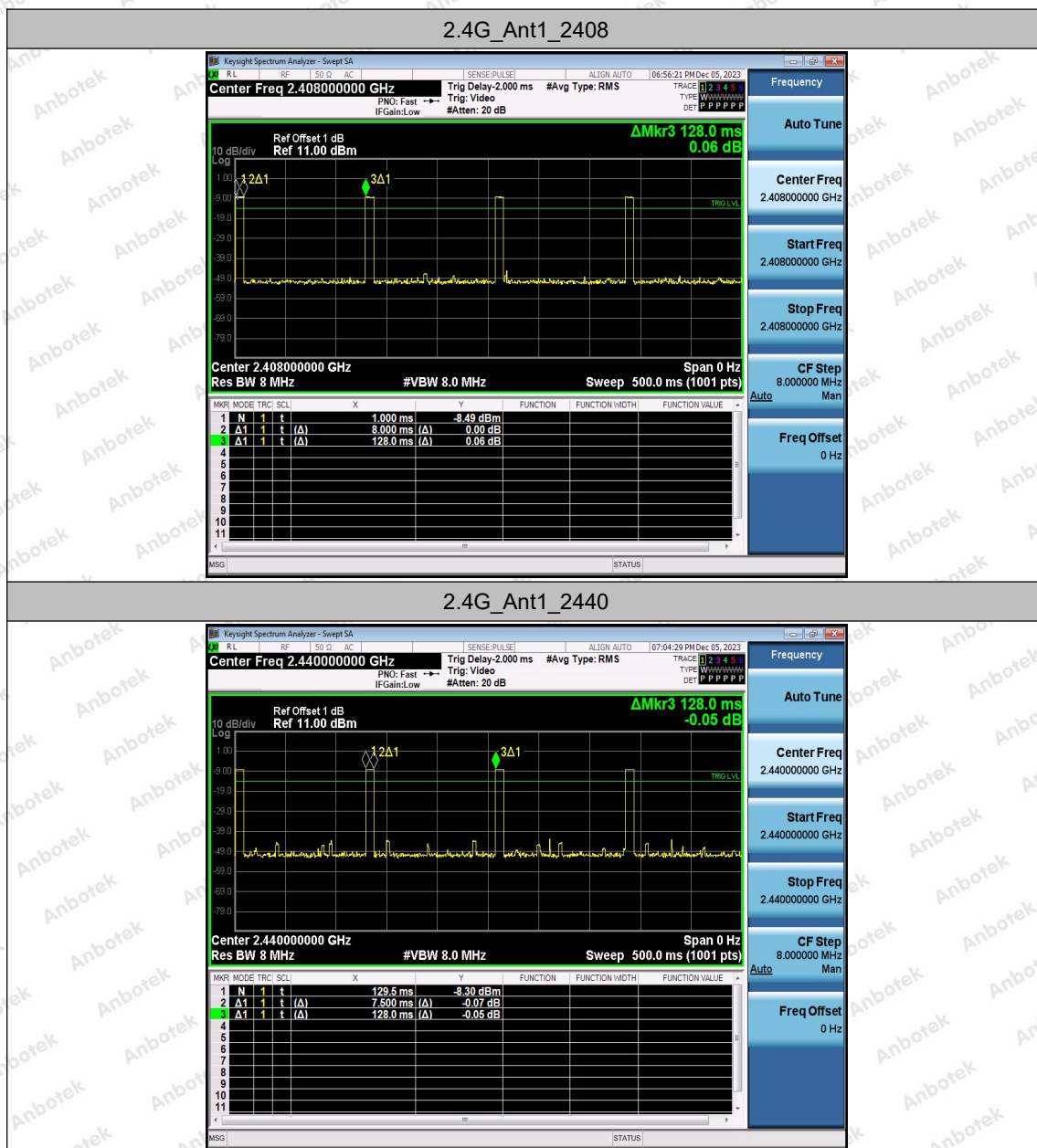


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2408	8.00	128.00	6.25	12.04
		2440	7.50	128.00	5.86	12.32
		2474	8.00	128.00	6.25	12.04

Test Graphs



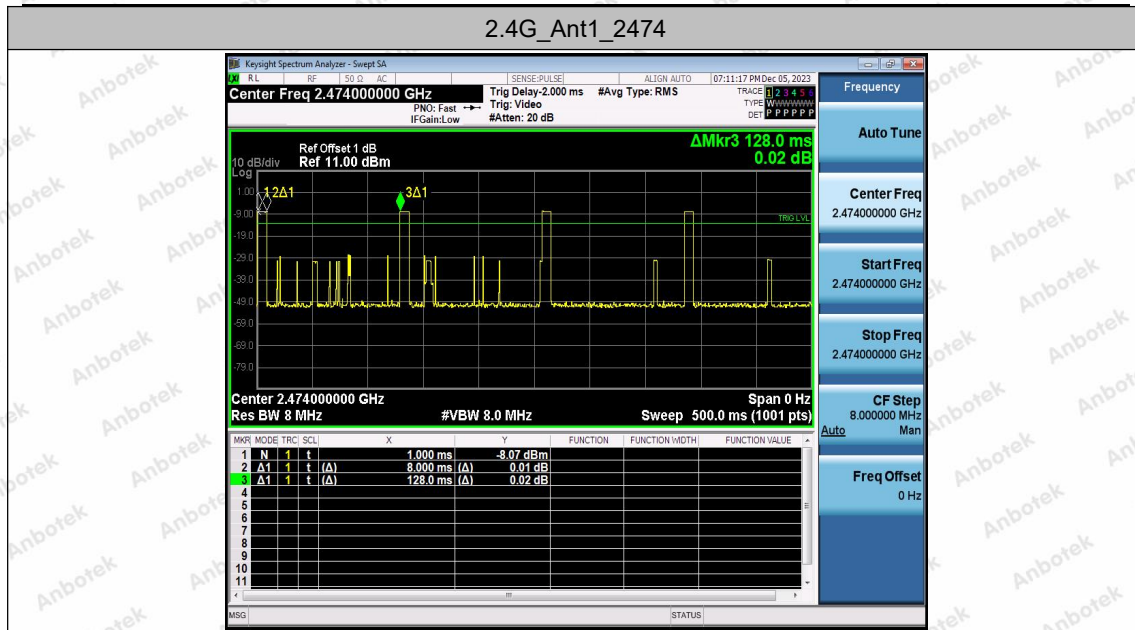
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