

Appendix Test Data

Report No.:	18220WC30275901	Test Sample No.:	1-2-2
Start Test Date:	2024.01.02	Finish Test Date:	2024.01.02
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	23.8°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.532	2402.486	---	---
		2441	0.930	2440.538	2441.468	---	---
		2480	1.002	2479.490	2480.492	---	---
2DH5	Ant1	2402	1.314	2401.349	2402.663	---	---
		2441	1.317	2440.346	2441.663	---	---
		2480	1.311	2479.346	2480.657	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441



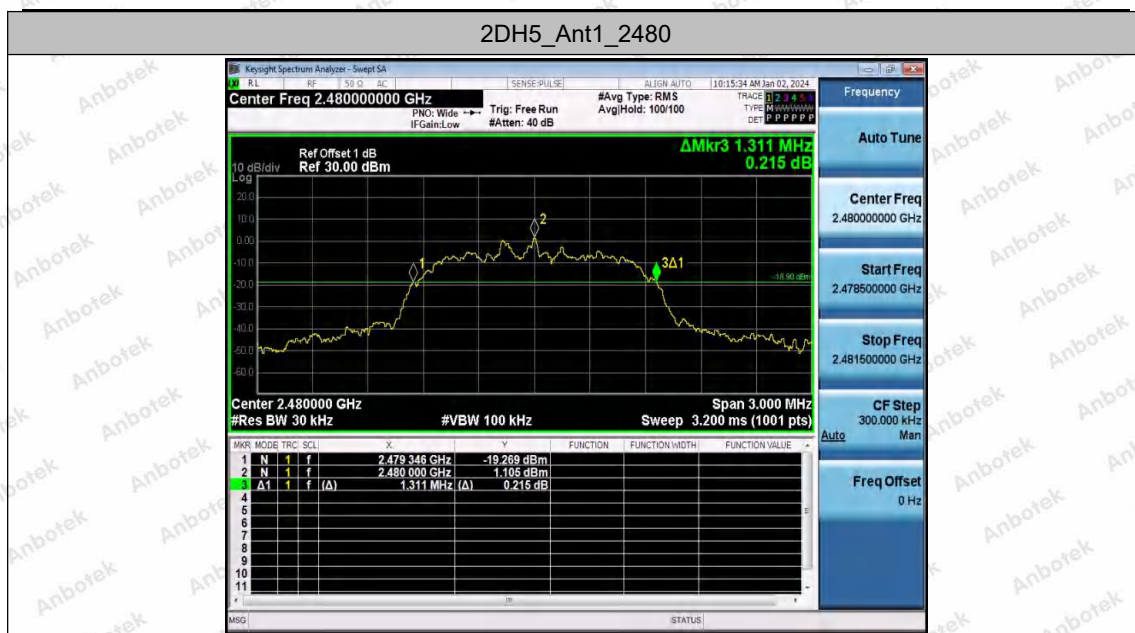
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88546	2401.5617	2402.4472	---	---
		2441	0.89280	2440.5614	2441.4542	---	---
		2480	0.88064	2479.5621	2480.4427	---	---
2DH5	Ant1	2402	1.1778	2401.4117	2402.5895	---	---
		2441	1.1921	2440.4085	2441.6006	---	---
		2480	1.1953	2479.4075	2480.6028	---	---

Test Graphs



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DH5_Ant1_2480



2DH5_Ant1_2402



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2DH5_Ant1_2441



2DH5_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
DH5	Ant1	2402	3.20	≤20.97	PASS
		2441	3.43	≤20.97	PASS
		2480	3.31	≤20.97	PASS
2DH5	Ant1	2402	3.98	≤20.97	PASS
		2441	4.27	≤20.97	PASS
		2480	4.19	≤20.97	PASS

Test Graphs



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



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2DH5_Ant1_2441



2DH5_Ant1_2480



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.018	≥ 1.002	PASS
2DH5	Ant1	Hop	1.000	≥ 0.878	PASS

Test Graphs

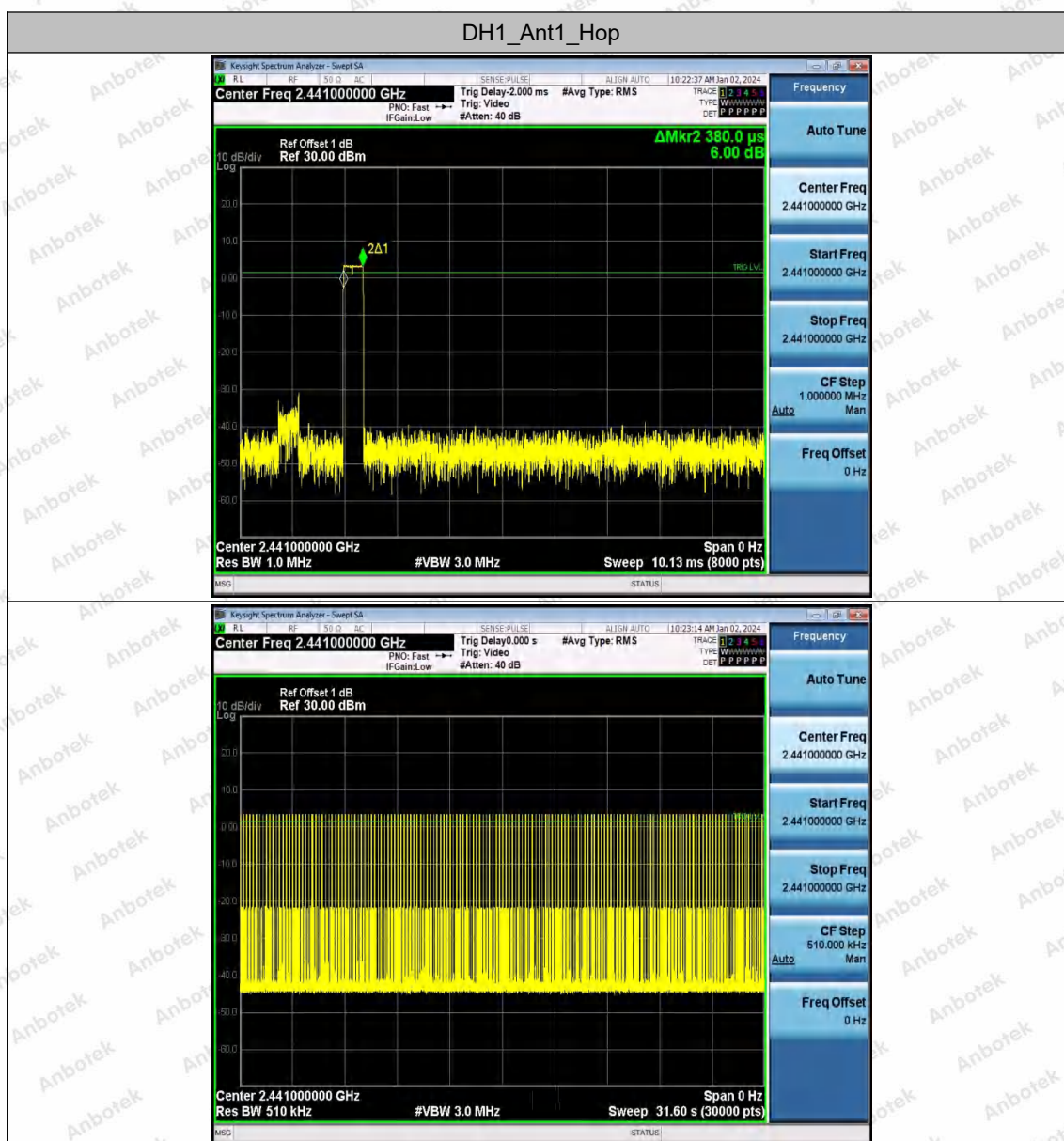


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	317	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.637	168	0.275	≤0.4	PASS
DH5	Ant1	Hop	2.884	105	0.303	≤0.4	PASS
2DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.642	165	0.271	≤0.4	PASS
2DH5	Ant1	Hop	2.891	95	0.275	≤0.4	PASS

Test Graphs



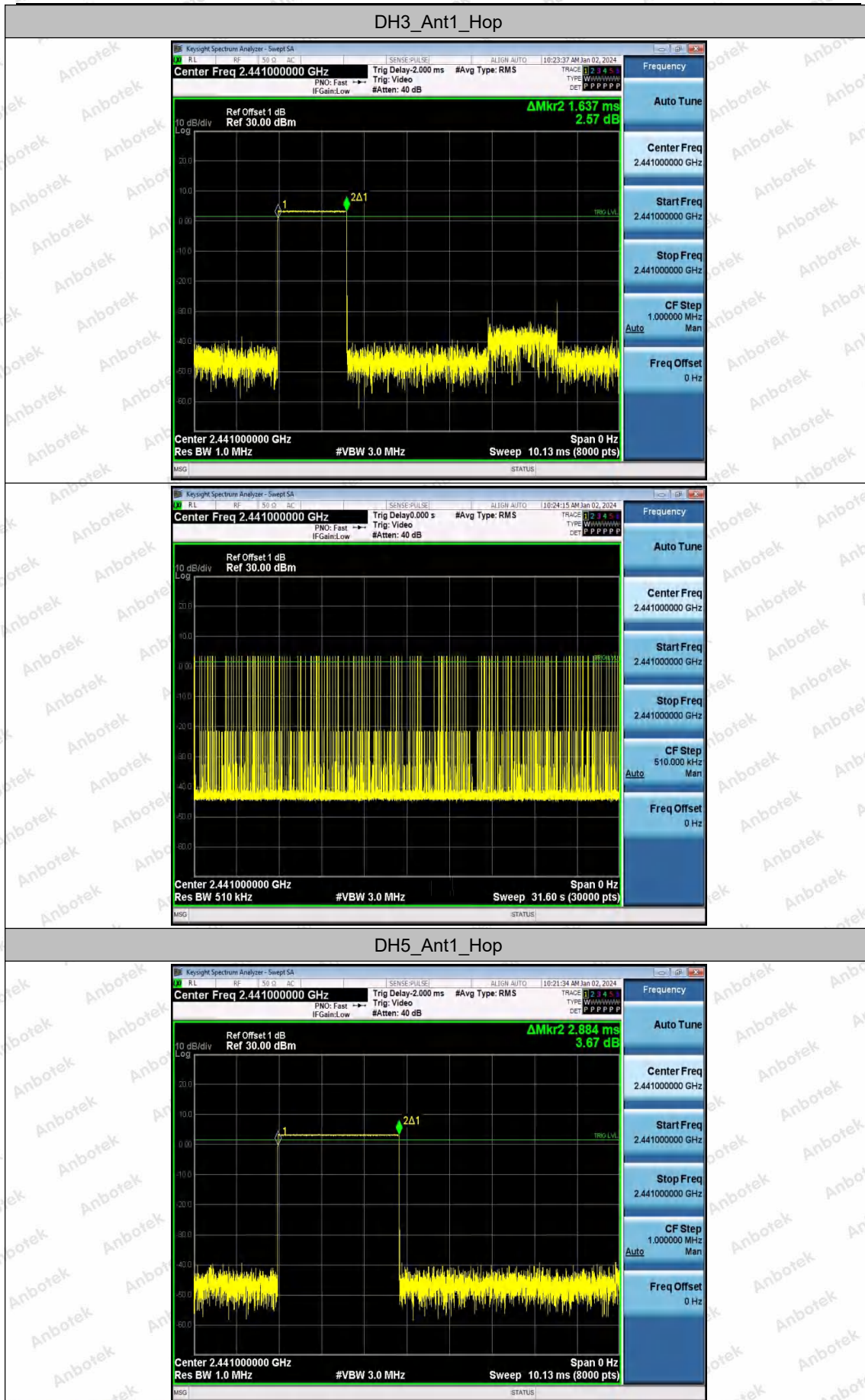
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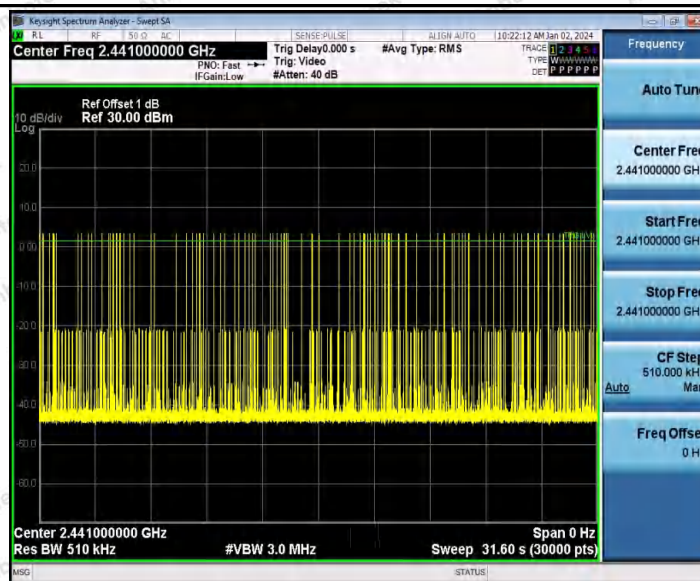
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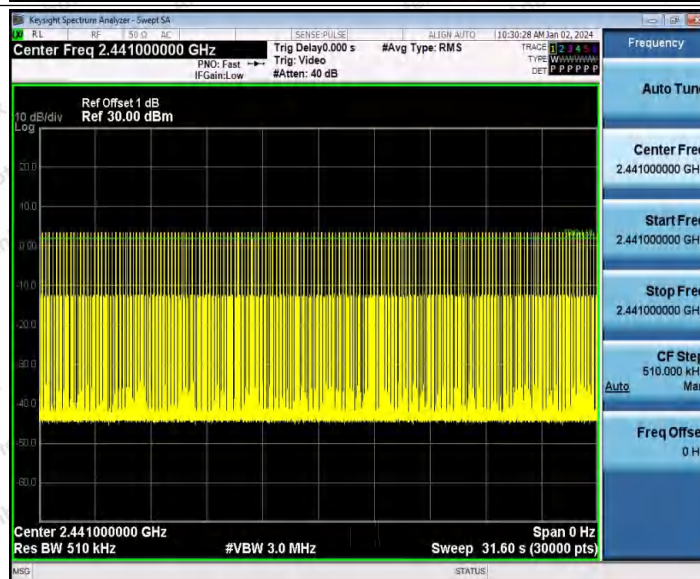
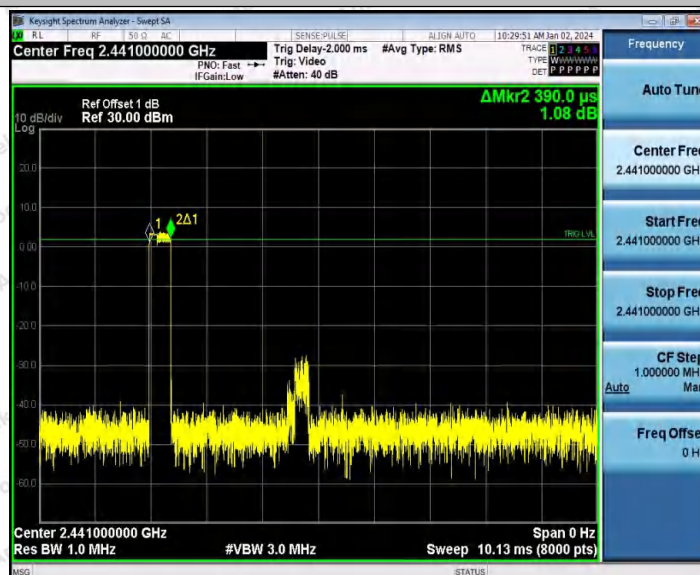


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

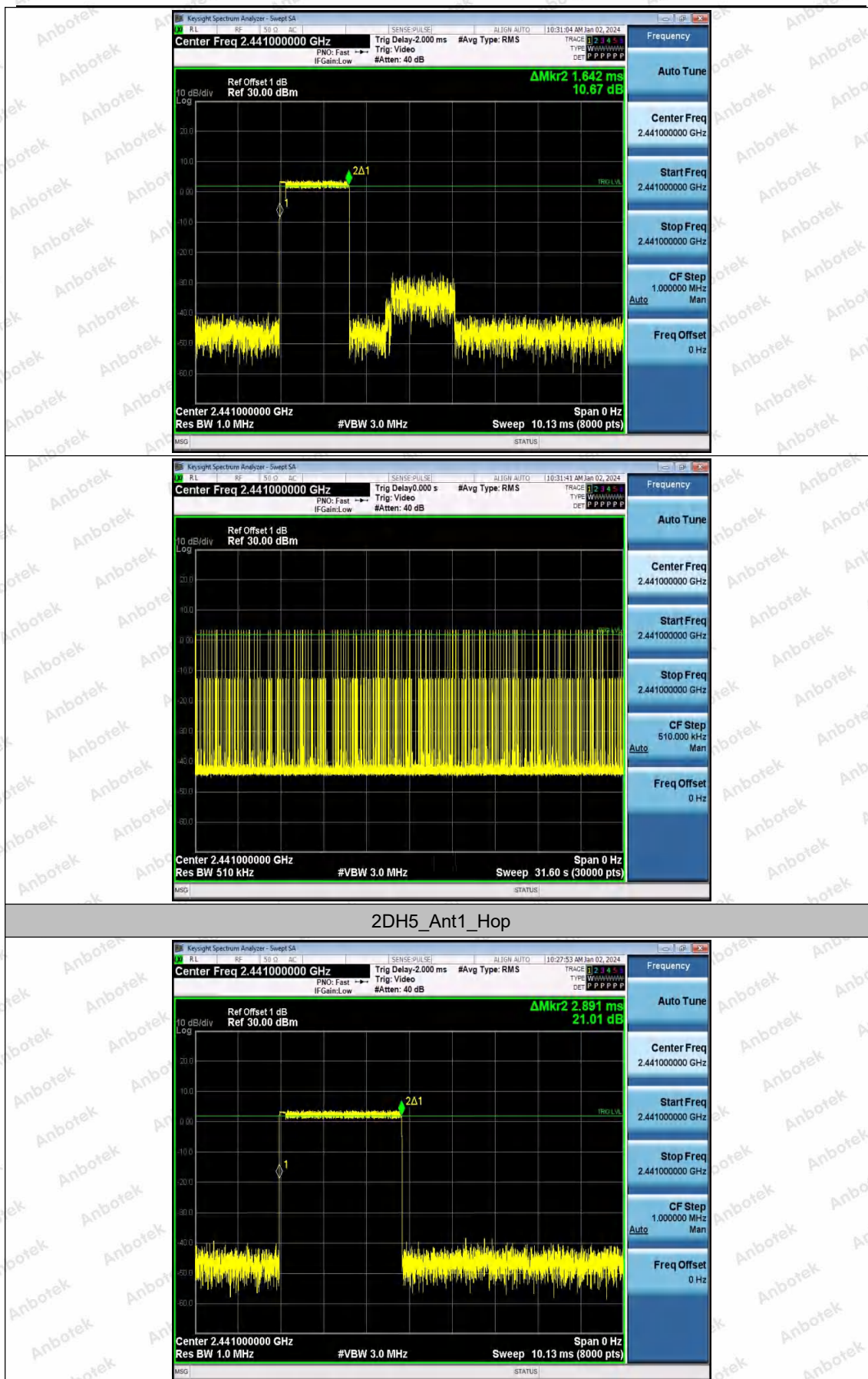
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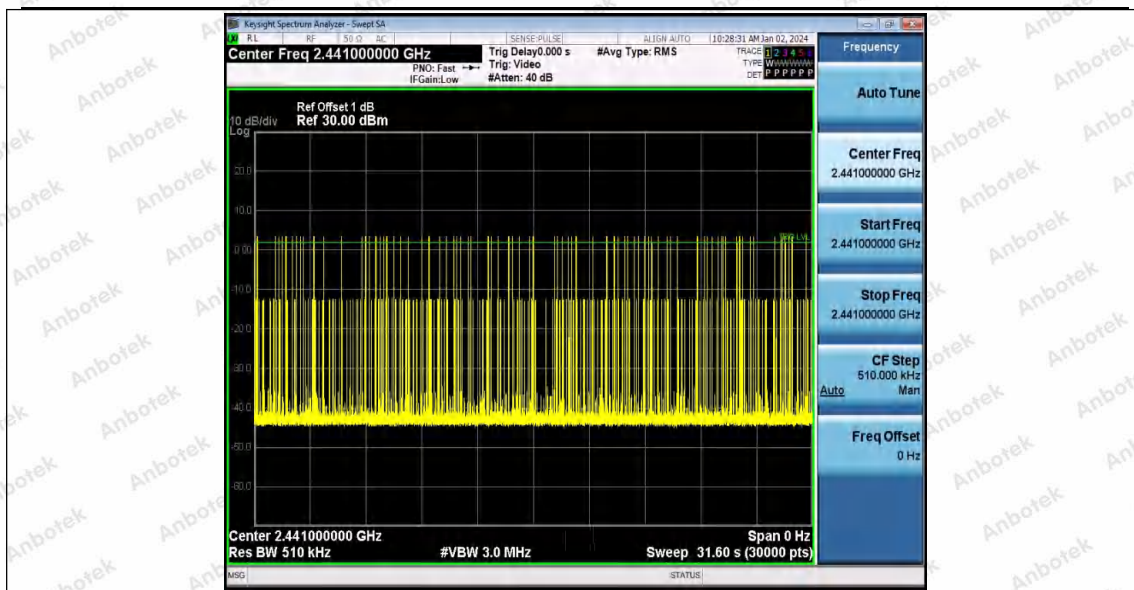
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



Appendix G: Band edge measurements

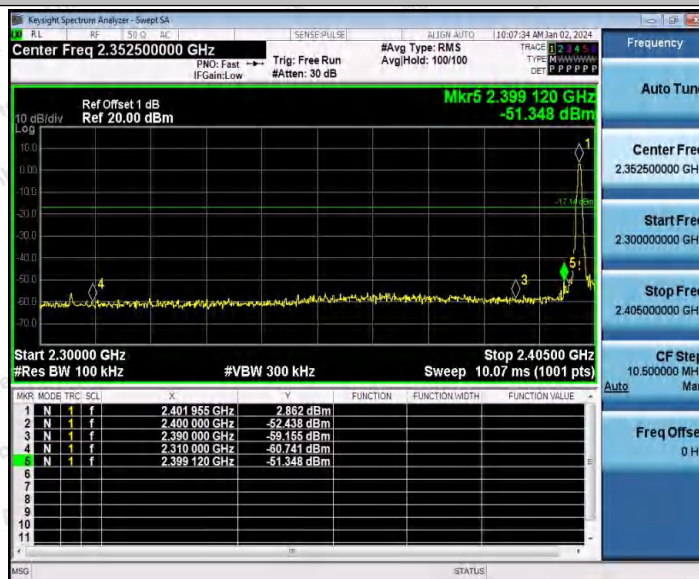
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.86	-51.35	≤-17.14	PASS
		High	2480	2.99	-55.1	≤-17.01	PASS
		Low	Hop_2402	2.60	-53.33	≤-17.41	PASS
		High	Hop_2480	3.22	-53.56	≤-16.78	PASS
2DH5	Ant1	Low	2402	1.66	-48.4	≤-18.34	PASS
		High	2480	3.24	-55.34	≤-16.76	PASS
		Low	Hop_2402	-0.16	-53.87	≤-20.16	PASS
		High	Hop_2480	3.26	-54.66	≤-16.74	PASS

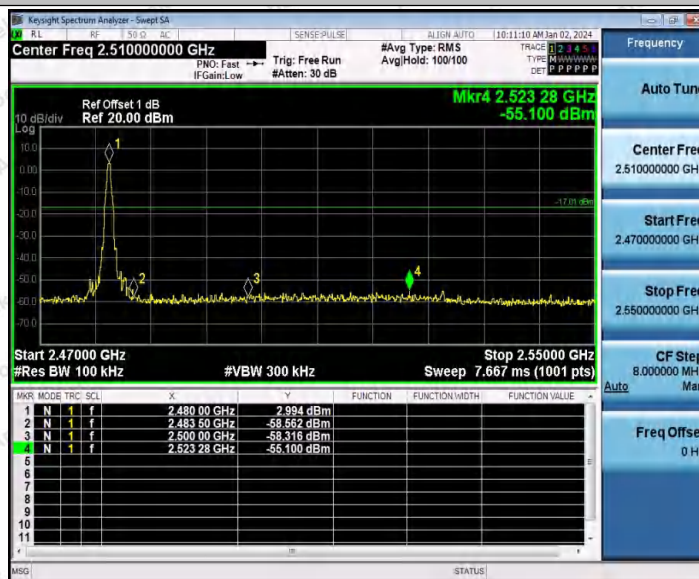


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

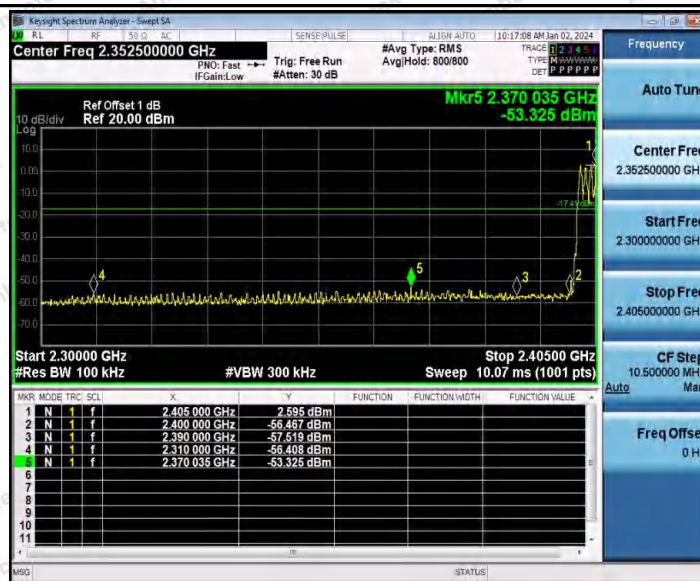
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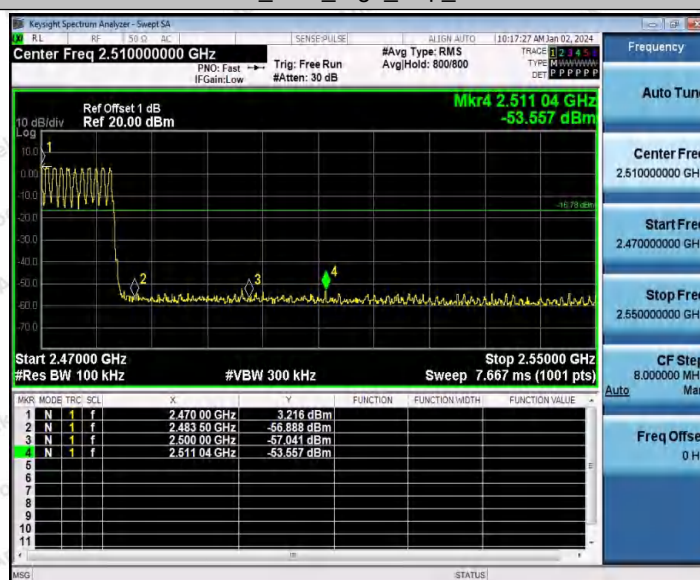


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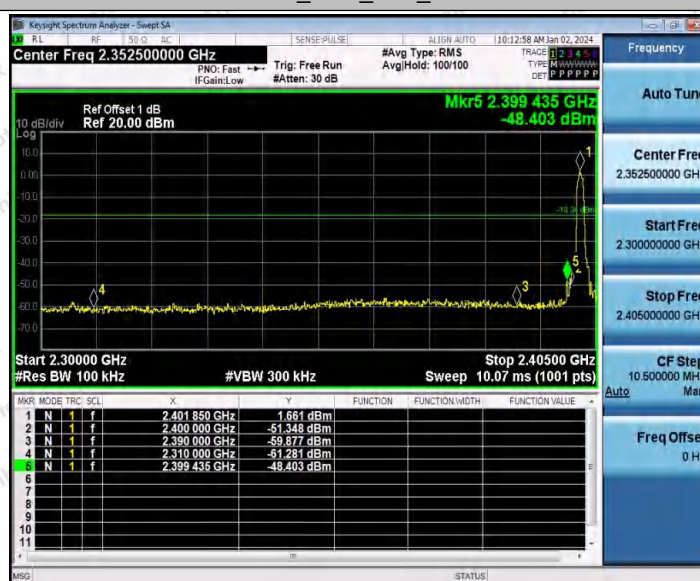




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



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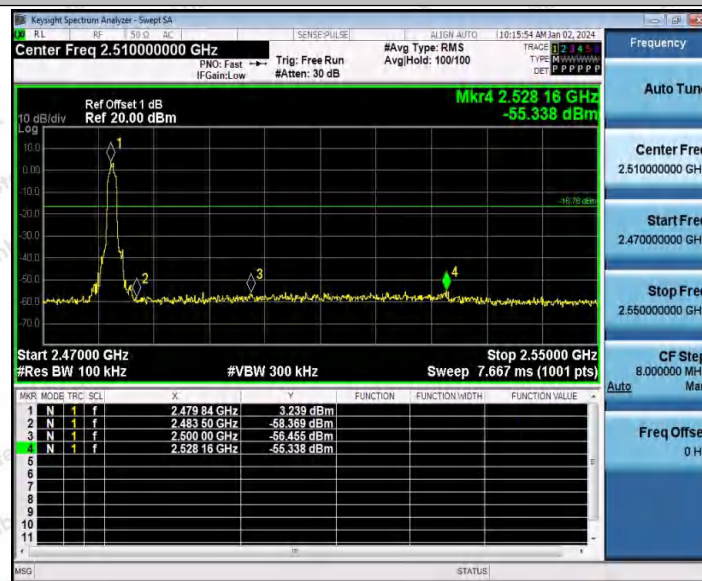
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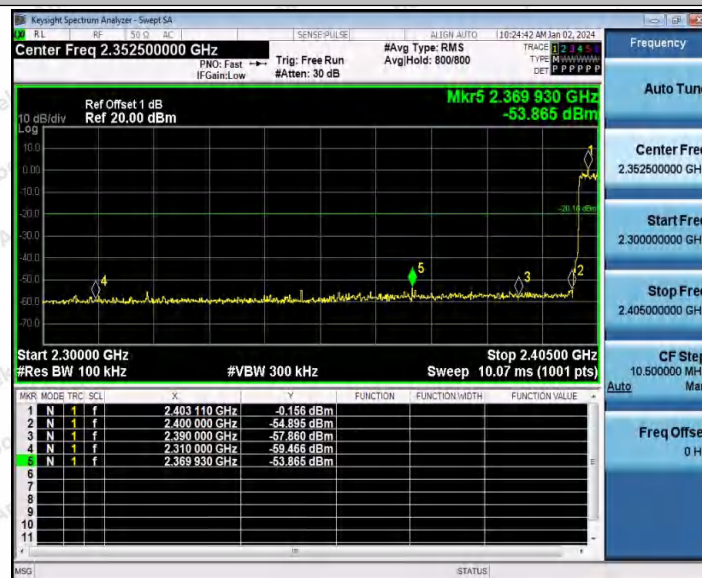
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

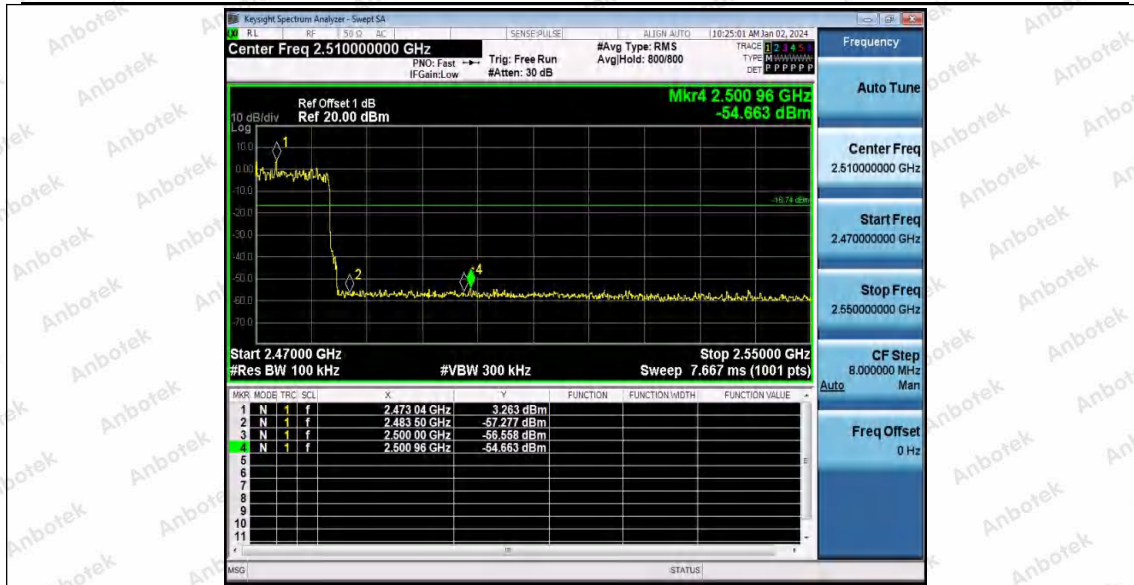
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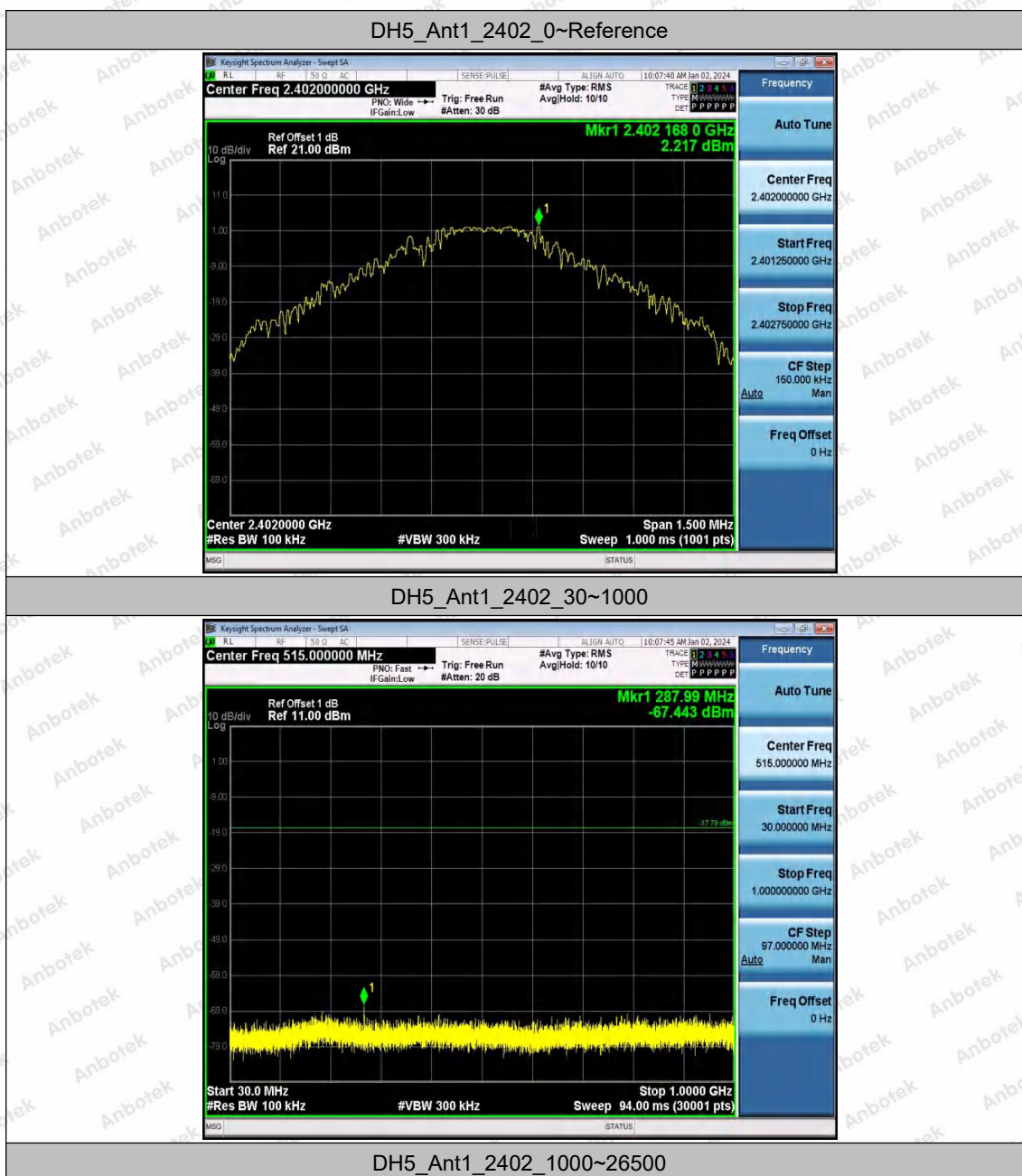
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-67.44	≤-17.78	PASS
			1000~26500	2.22	-41.86	≤-17.78	PASS
		2441	Reference	2.71	2.71	---	PASS
			30~1000	2.71	-69.15	≤-17.29	PASS
			1000~26500	2.71	-40.91	≤-17.29	PASS
		2480	Reference	2.59	2.59	---	PASS
			30~1000	2.59	-69.68	≤-17.41	PASS
			1000~26500	2.59	-38.75	≤-17.41	PASS
2DH5	Ant1	2402	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-68.92	≤-17.12	PASS
			1000~26500	2.88	-42.1	≤-17.12	PASS
		2441	Reference	0.12	0.12	---	PASS
			30~1000	0.12	-69.47	≤-19.88	PASS
			1000~26500	0.12	-40.72	≤-19.88	PASS
		2480	Reference	-0.02	-0.02	---	PASS
			30~1000	-0.02	-68.16	≤-20.02	PASS
			1000~26500	-0.02	-38.18	≤-20.02	PASS



Test Graphs



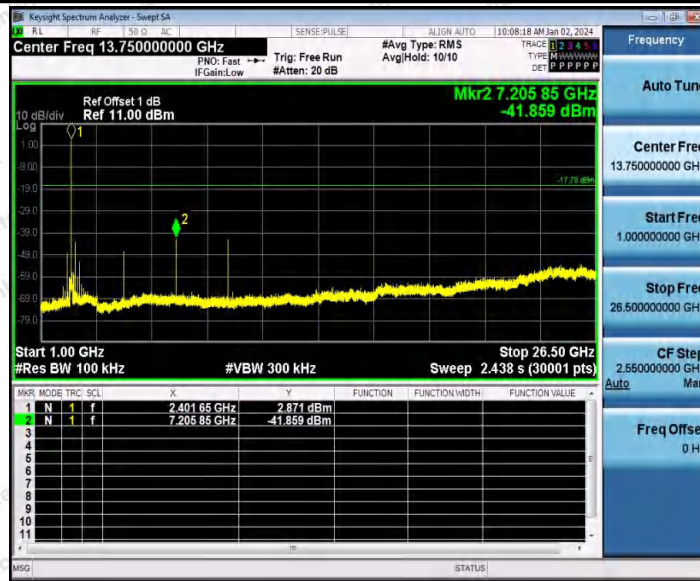
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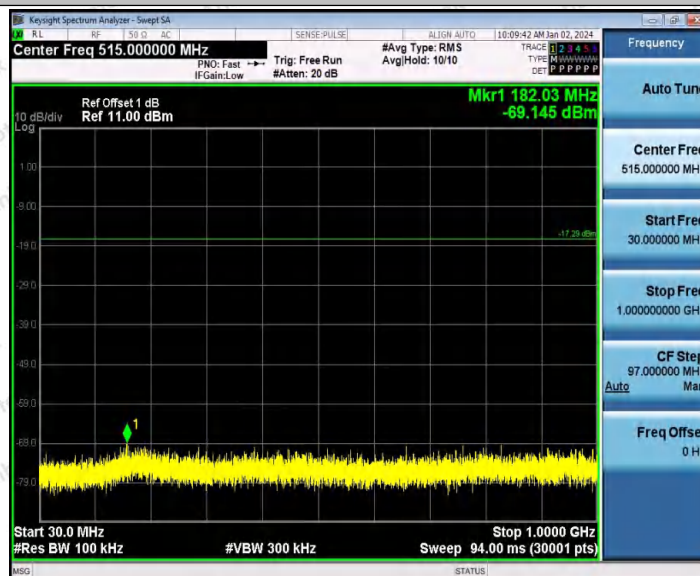




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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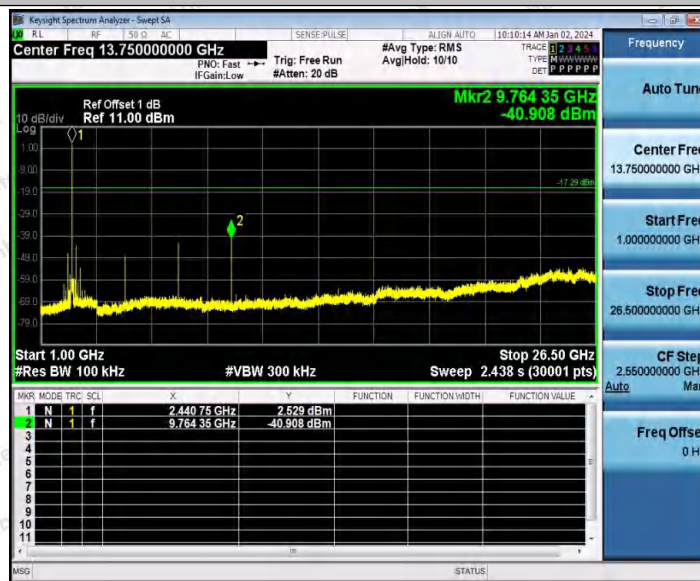
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

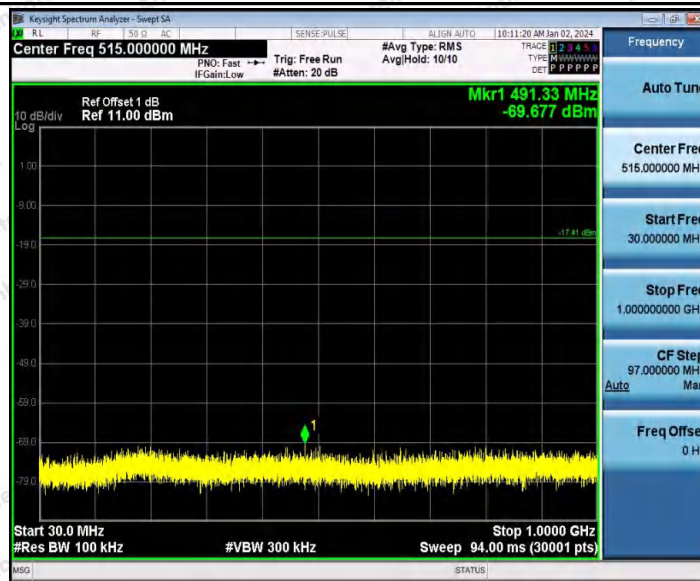
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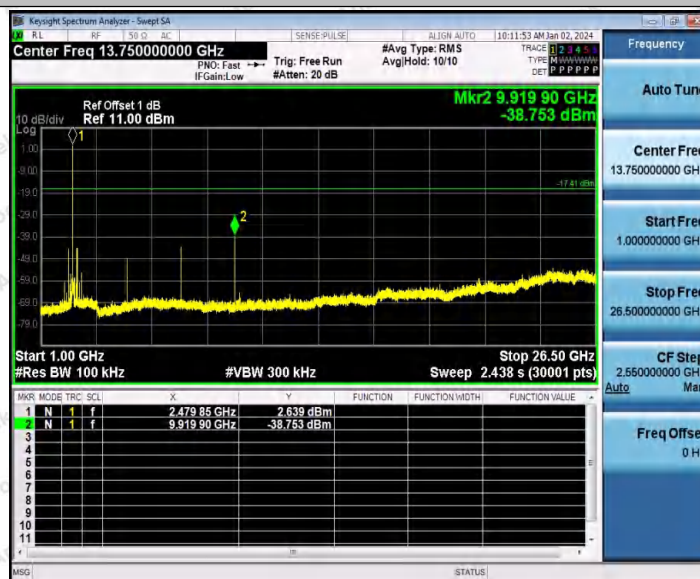


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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



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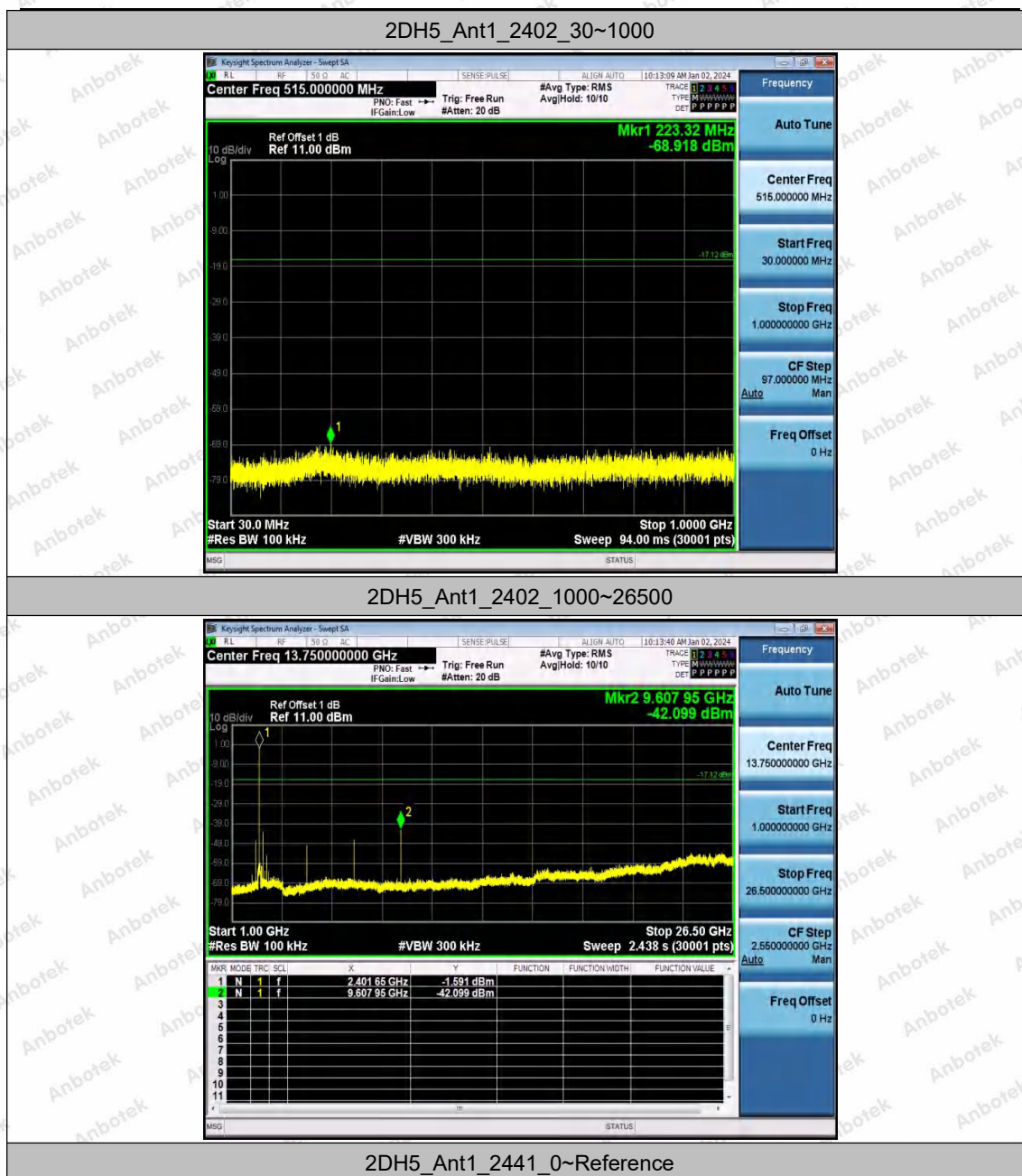


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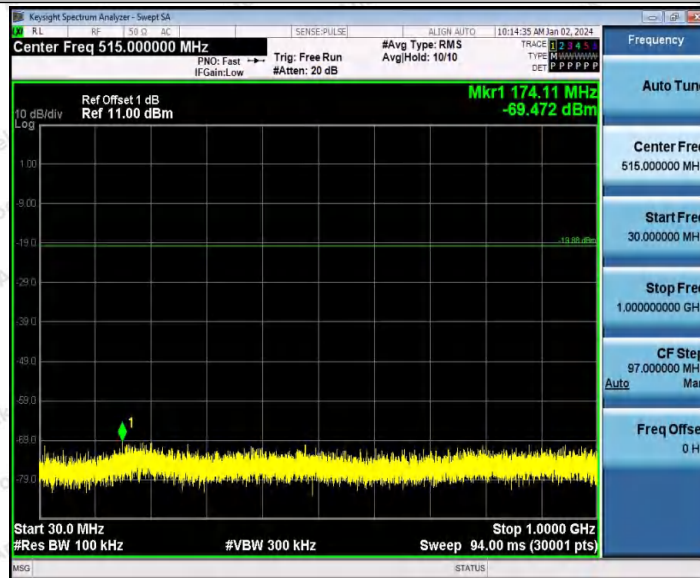


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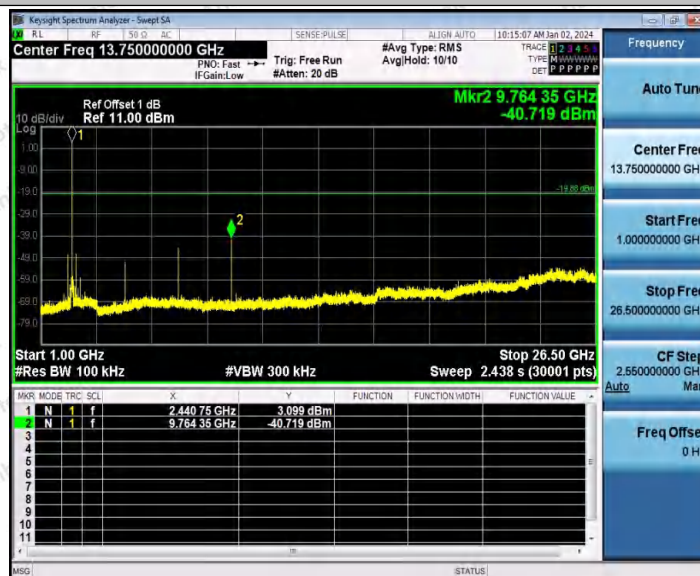




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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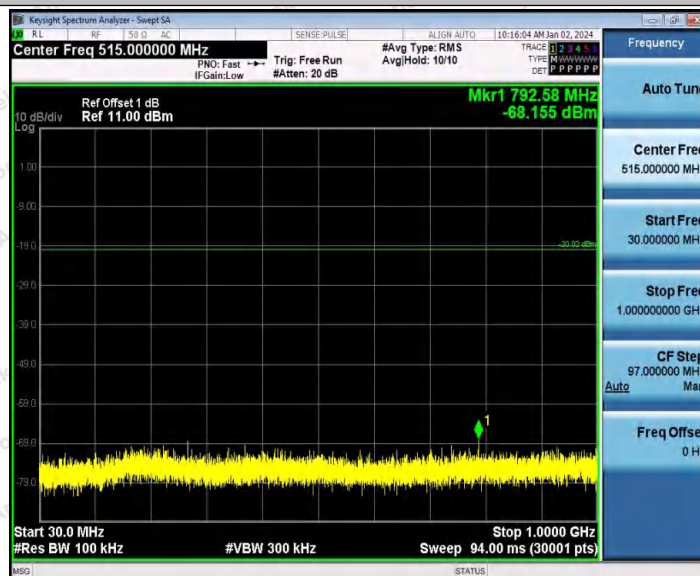
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

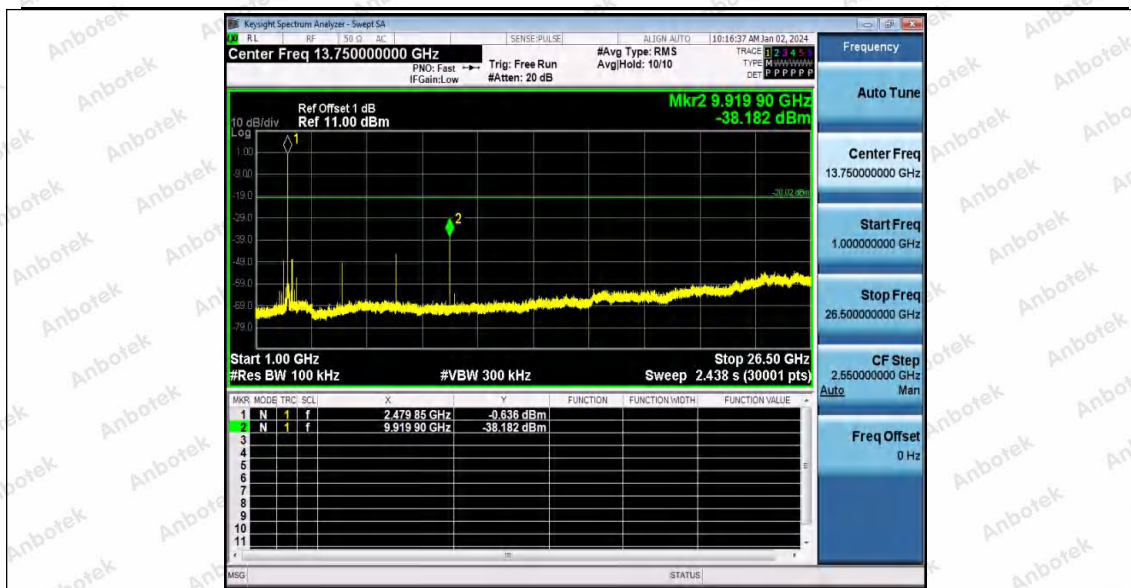
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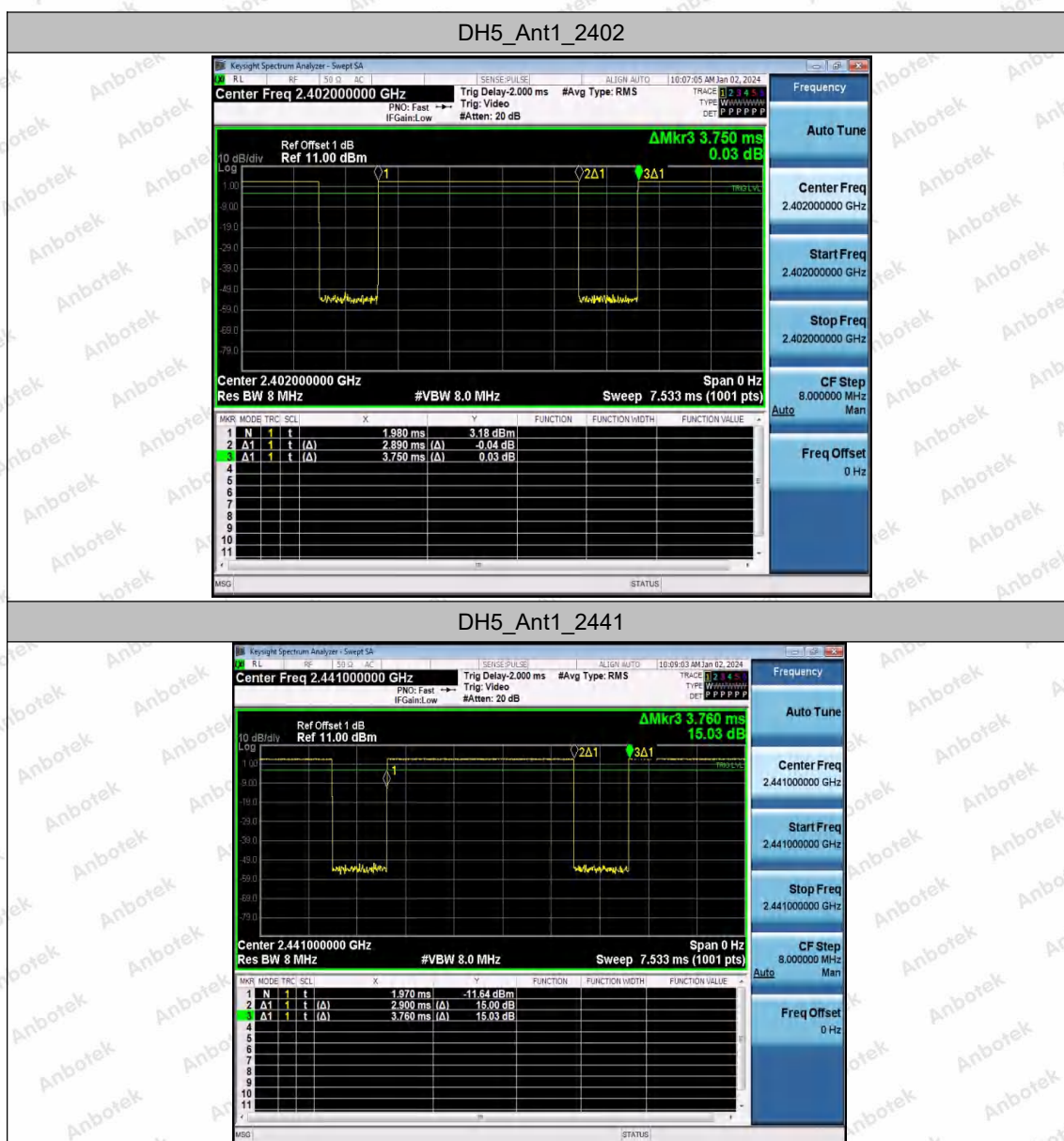


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.90	3.76	77.13	1.13
		2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.90	3.75	77.33	1.12
		2441	2.89	3.74	77.27	1.12
		2480	2.89	3.75	77.07	1.13

Test Graphs



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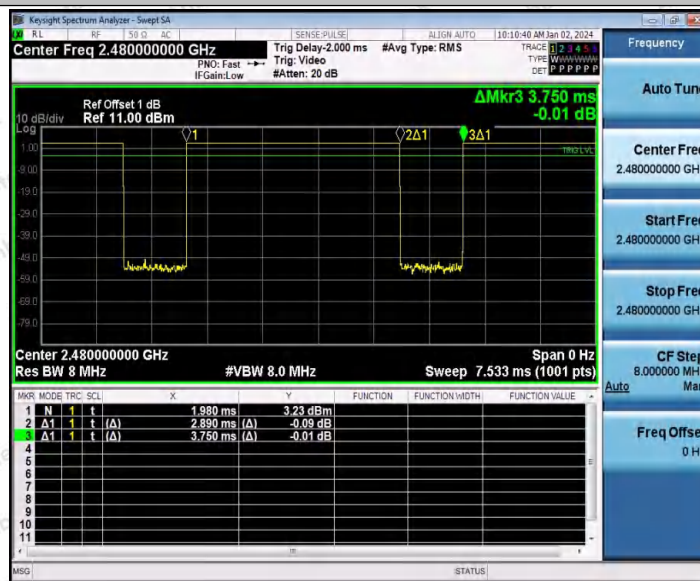
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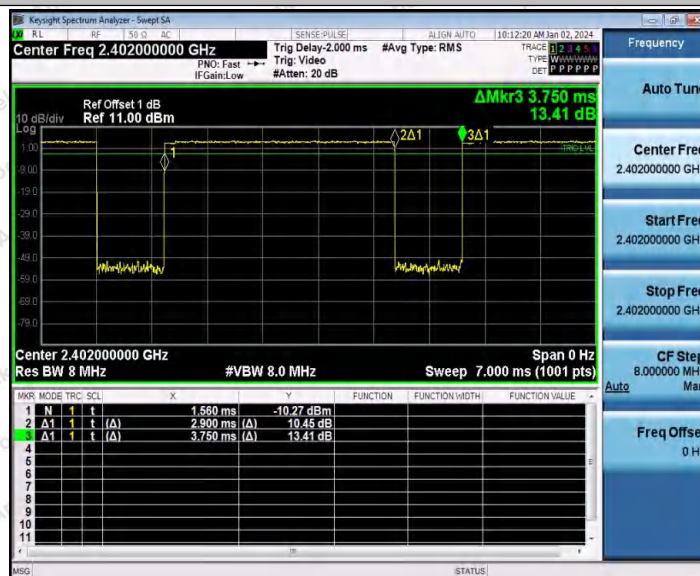
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DH5_Ant1_2480



2DH5_Ant1_2402



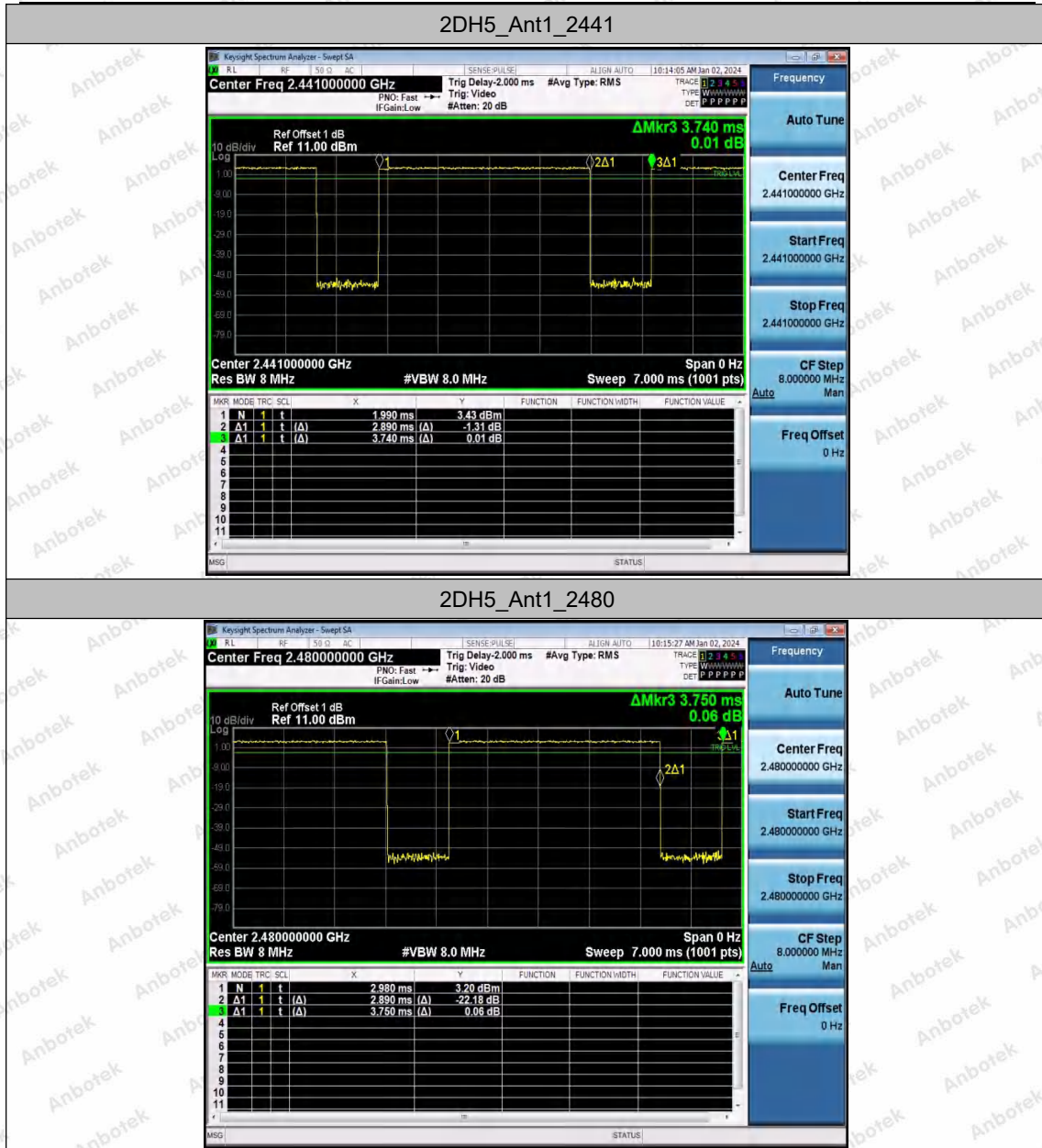
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