

Appendix Test Data

Report No.:	18220WC30204501	Test Sample No.:	1-2-2
Start Test Date:	2023.09.19	Finish Test Date:	2023.09.20
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	48.3%
Pressure:	102 kPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.520	2402.468	---	---
		2441	0.957	2440.514	2441.471	---	---
		2480	0.957	2479.517	2480.474	---	---
2DH5	Ant1	2402	1.320	2401.316	2402.636	---	---
		2441	1.344	2440.307	2441.651	---	---
		2480	1.275	2479.358	2480.633	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441



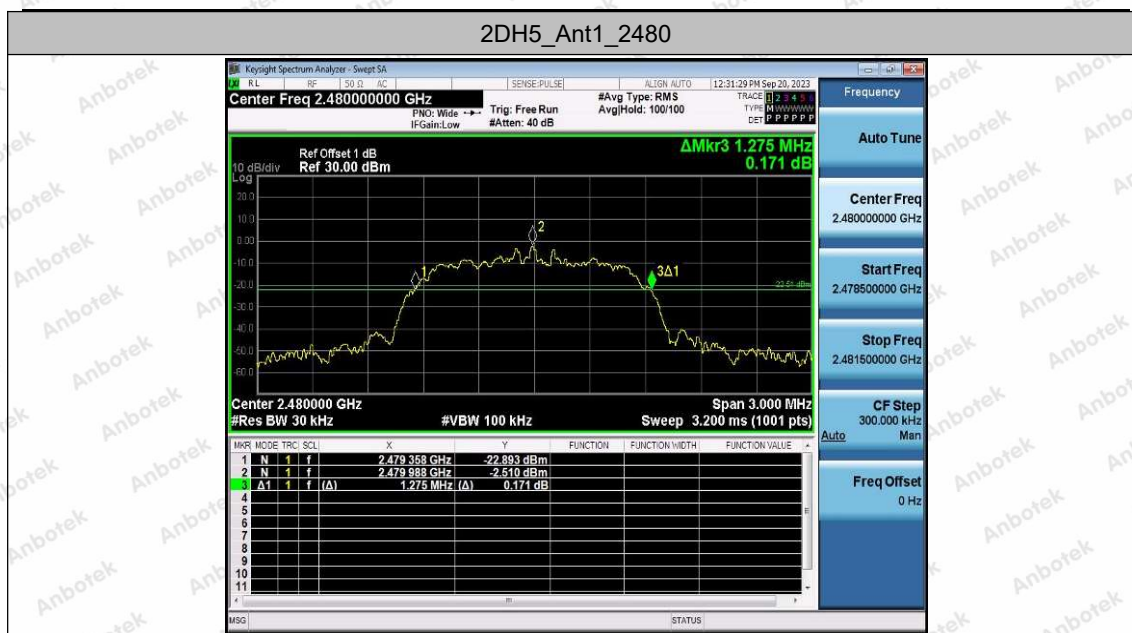
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85907	2401.5489	2402.4080	---	---
		2441	0.86142	2440.5477	2441.4092	---	---
		2480	0.84883	2479.5554	2480.4043	---	---
2DH5	Ant1	2402	1.1808	2401.3886	2402.5694	---	---
		2441	1.1645	2440.3977	2441.5622	---	---
		2480	1.1769	2479.3890	2480.5659	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



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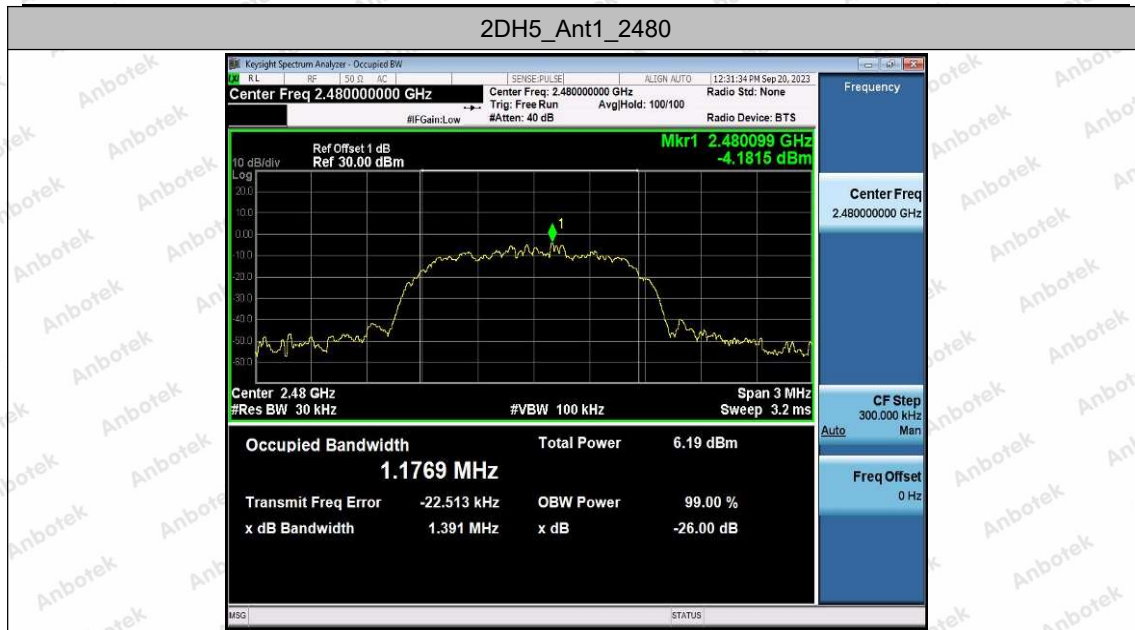


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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	1.19	≤30	PASS
		2441	0.65	≤30	PASS
		2480	-0.56	≤30	PASS
2DH5	Ant1	2402	3.40	≤30	PASS
		2441	2.87	≤30	PASS
		2480	1.51	≤30	PASS



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 D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.980	≥0.957	PASS
2DH5	Ant1	Hop	0.990	≥0.896	PASS

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Test Graphs



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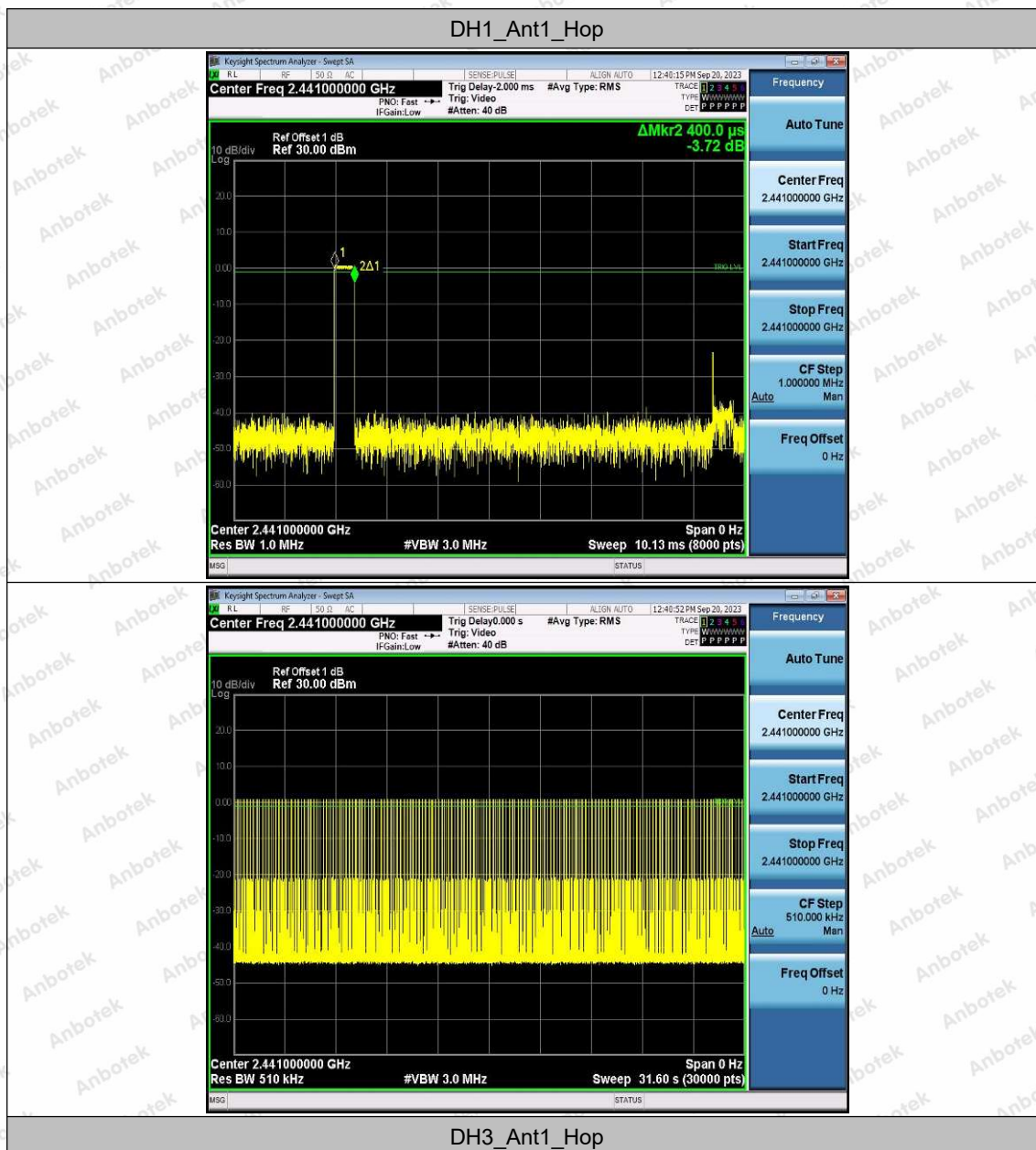
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.400	317	0.127	≤0.4	PASS
DH3	Ant1	Hop	1.657	160	0.265	≤0.4	PASS
DH5	Ant1	Hop	2.906	110	0.32	≤0.4	PASS
2DH1	Ant1	Hop	0.412	317	0.131	≤0.4	PASS
2DH3	Ant1	Hop	1.663	161	0.268	≤0.4	PASS
2DH5	Ant1	Hop	2.911	110	0.32	≤0.4	PASS



Test Graphs



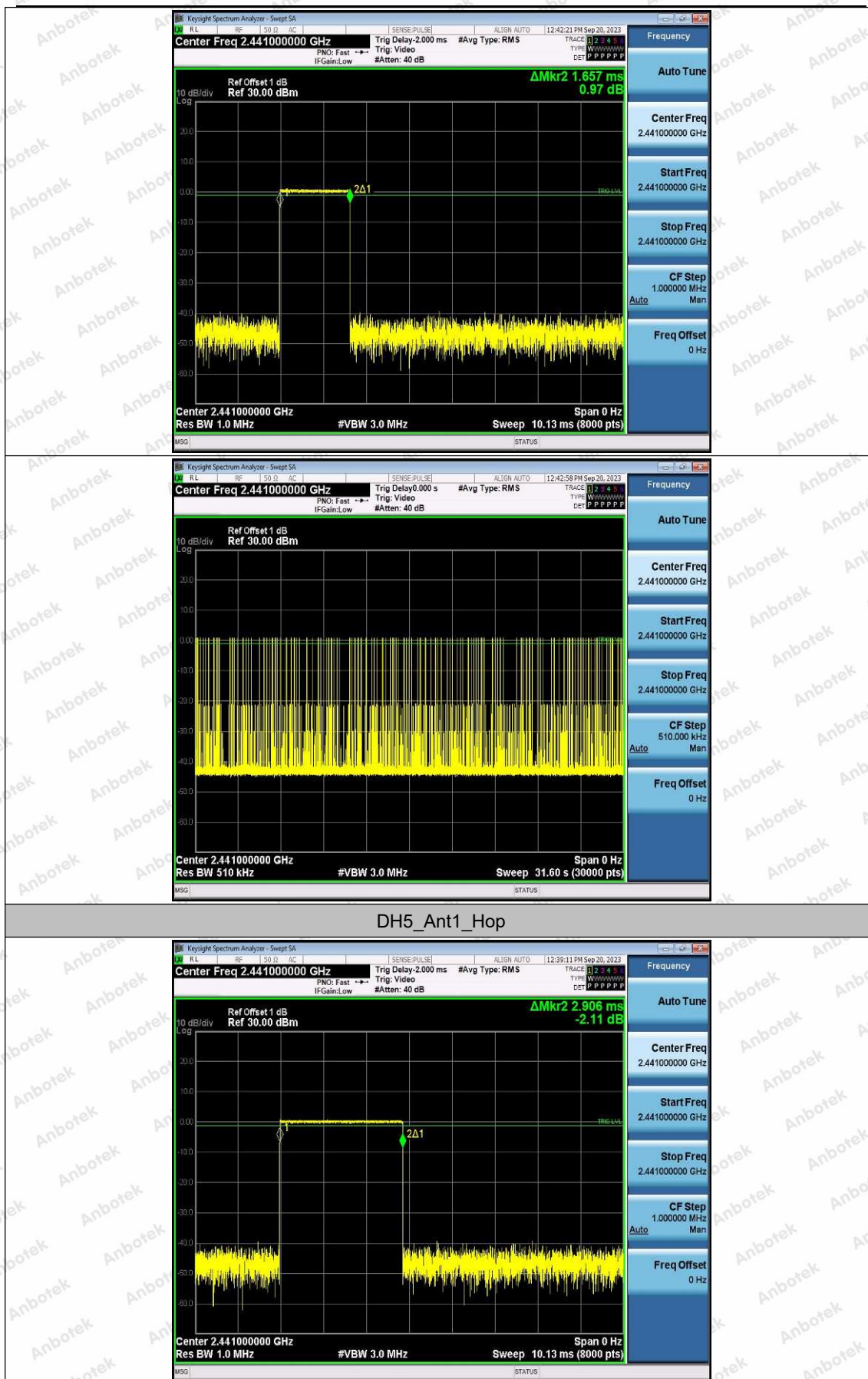
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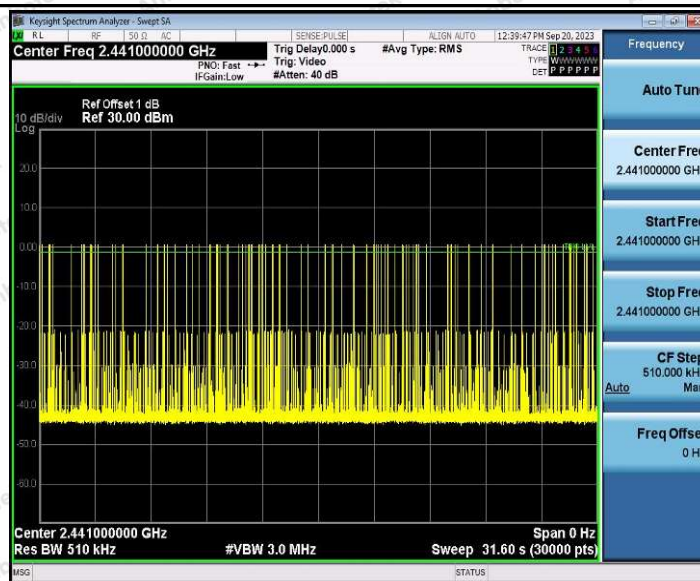
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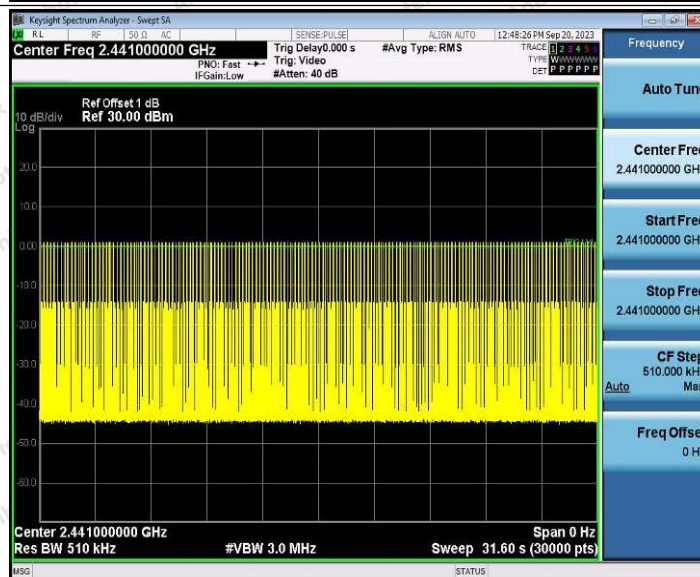
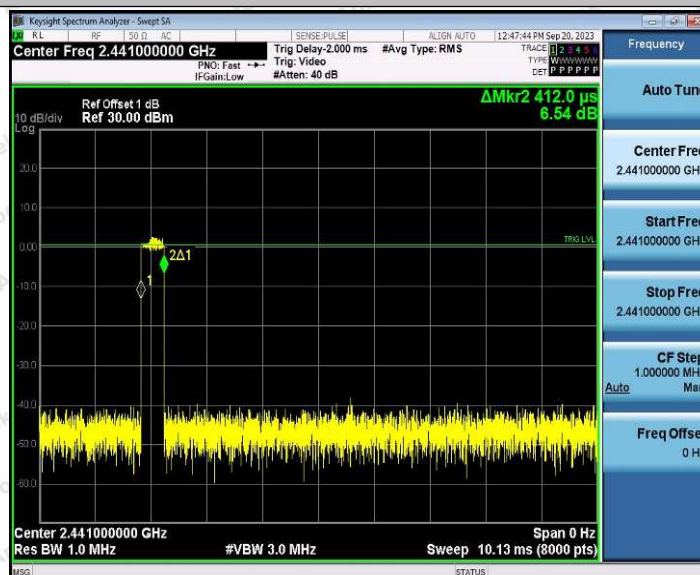


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2DH1_Ant1_Hop



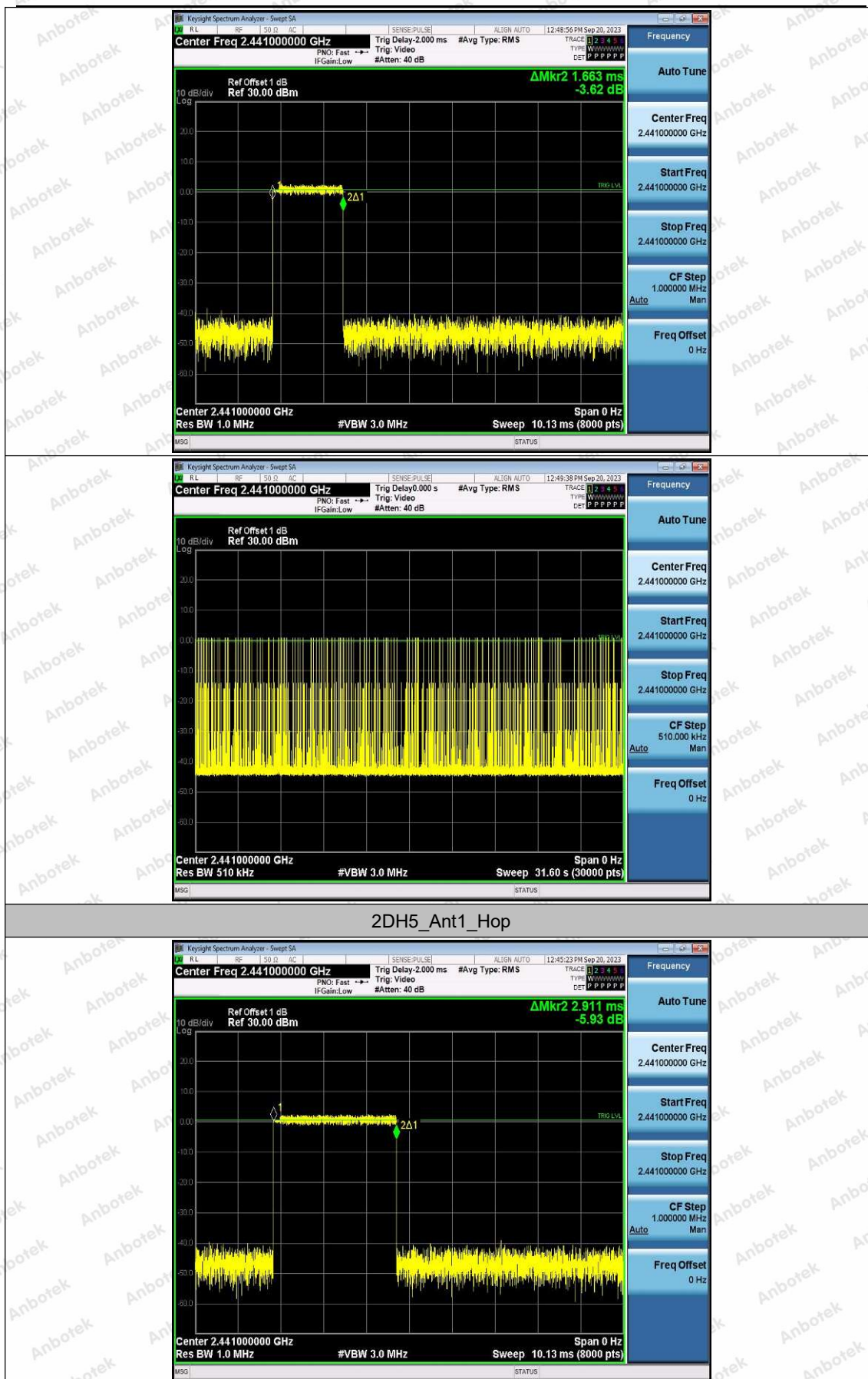
2DH3_Ant1_Hop

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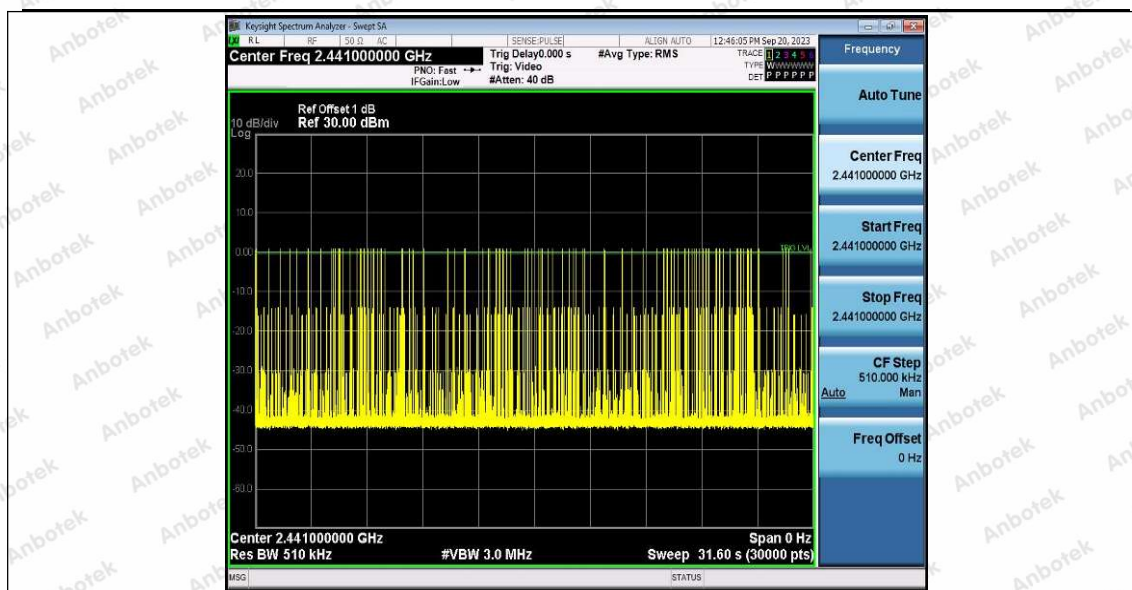
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Appendix F: Number of hopping channels

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



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Appendix G: Band edge measurements

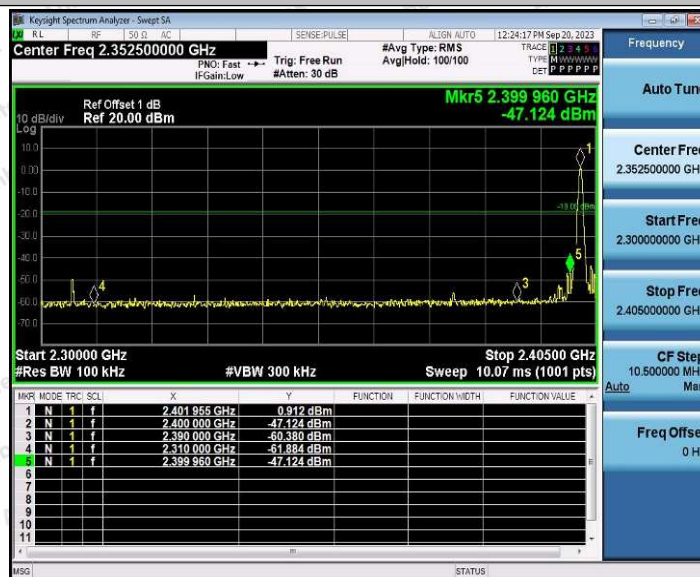
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.91	-47.12	≤-19.09	PASS
		High	2480	-1.37	-52.83	≤-21.37	PASS
		Low	Hop_2402	0.68	-49.61	≤-19.33	PASS
		High	Hop_2480	-1.11	-45.36	≤-21.11	PASS
2DH5	Ant1	Low	2402	0.55	-44.82	≤-19.45	PASS
		High	2480	-0.67	-56.7	≤-20.67	PASS
		Low	Hop_2402	0.73	-49.37	≤-19.28	PASS
		High	Hop_2480	-2.54	-48.43	≤-22.54	PASS

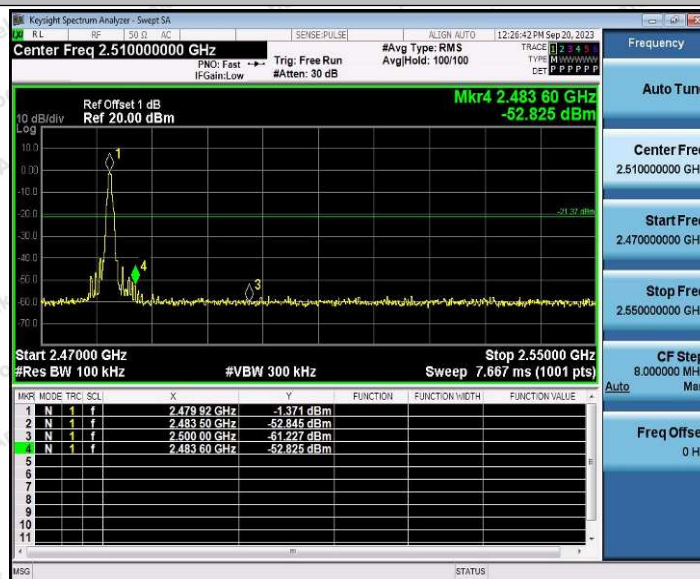


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

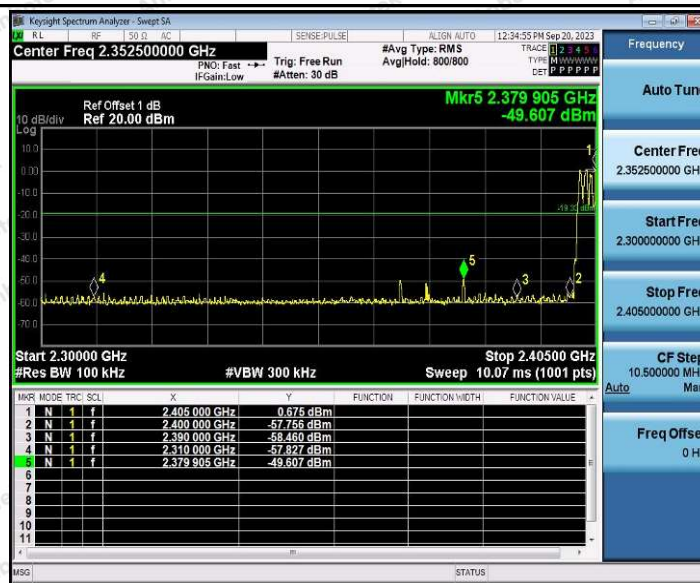
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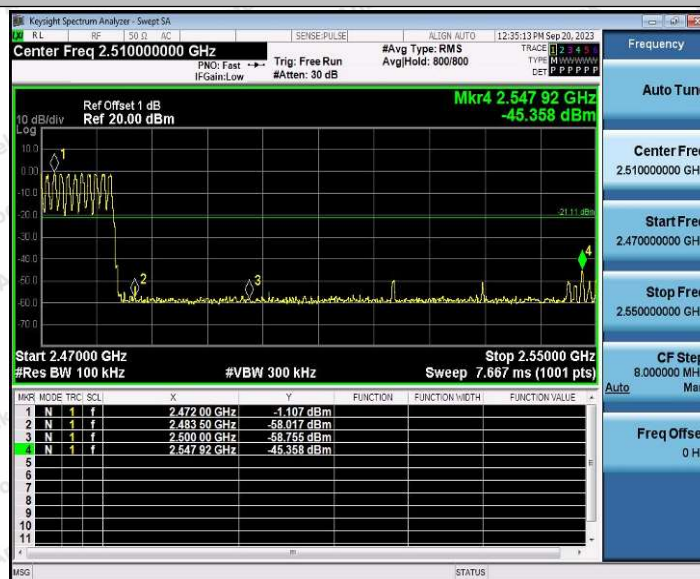


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DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

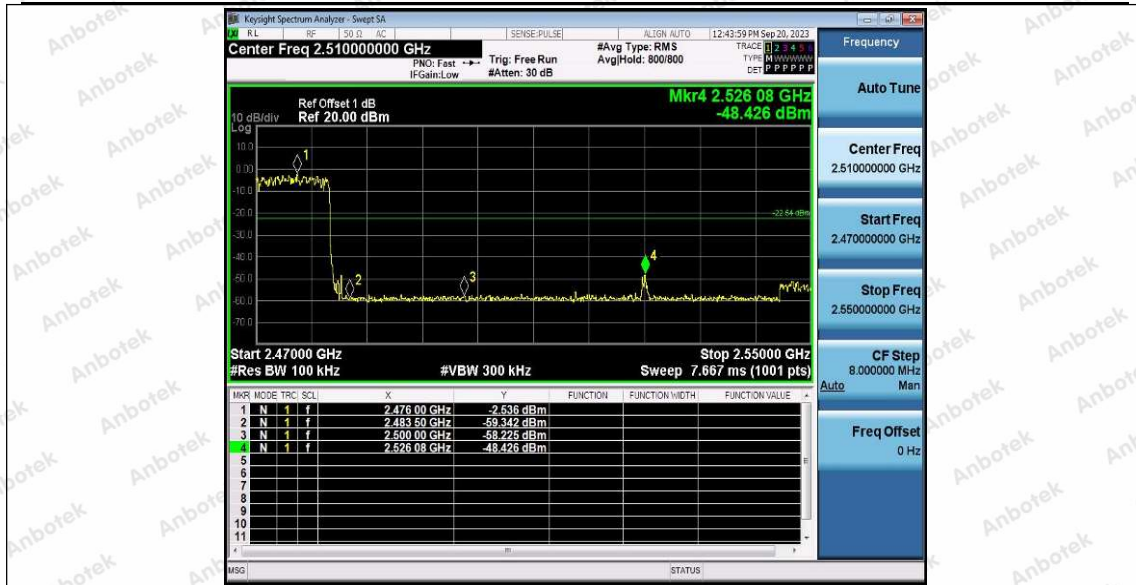
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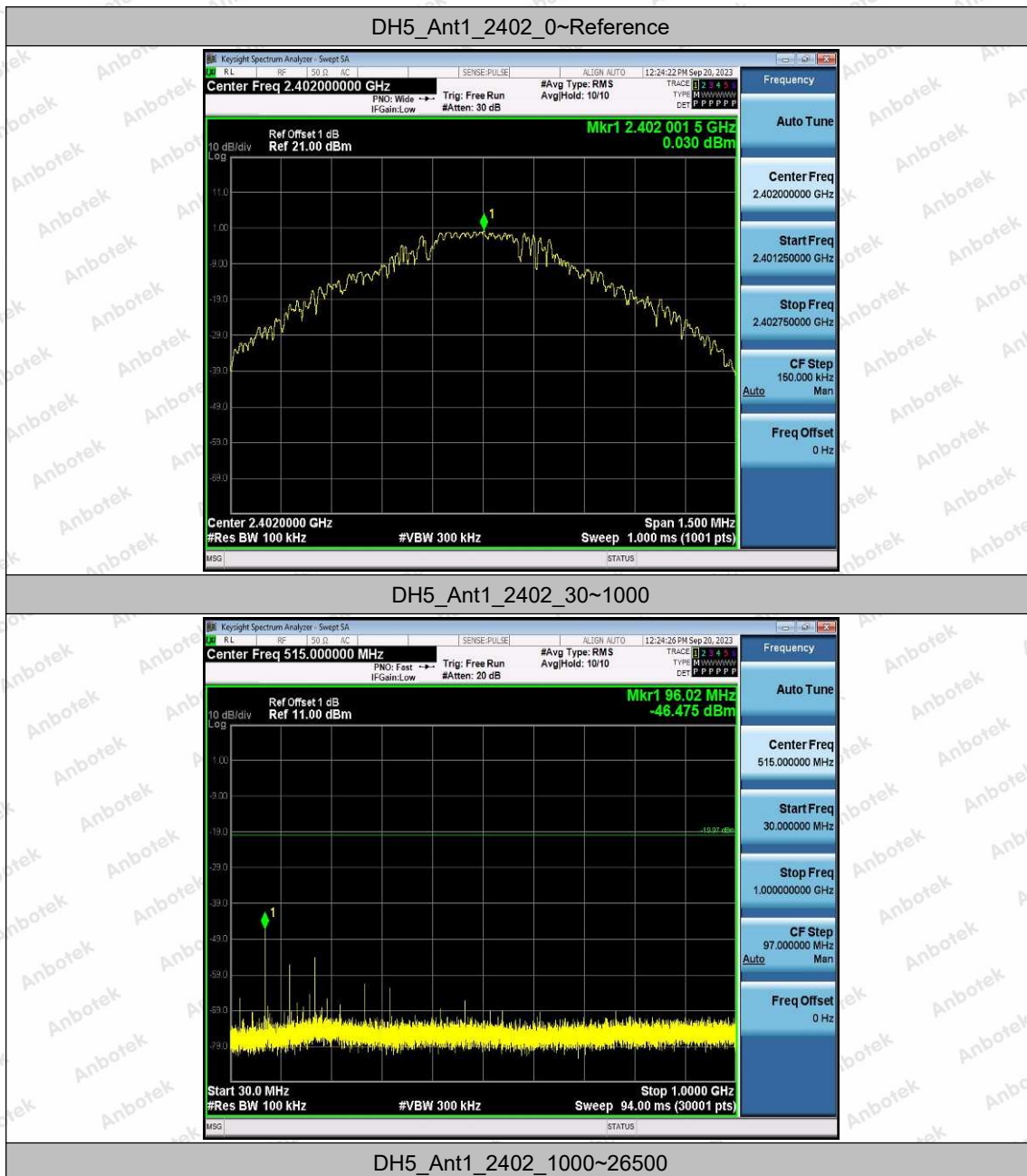
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.03	0.03	---	PASS
			30~1000	0.03	-46.48	≤-19.97	PASS
			1000~26500	0.03	-36.43	≤-19.97	PASS
		2441	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-53.65	≤-20.49	PASS
			1000~26500	-0.49	-38.89	≤-20.49	PASS
		2480	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-53.22	≤-21.72	PASS
			1000~26500	-1.72	-38.32	≤-21.72	PASS
2DH5	Ant1	2402	Reference	-2.31	-2.31	---	PASS
			30~1000	-2.31	-53.42	≤-22.31	PASS
			1000~26500	-2.31	-37.75	≤-22.31	PASS
		2441	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-53.37	≤-20.94	PASS
			1000~26500	-0.94	-40.32	≤-20.94	PASS
		2480	Reference	-2.11	-2.11	---	PASS
			30~1000	-2.11	-53.16	≤-22.11	PASS
			1000~26500	-2.11	-43.22	≤-22.11	PASS



Test Graphs



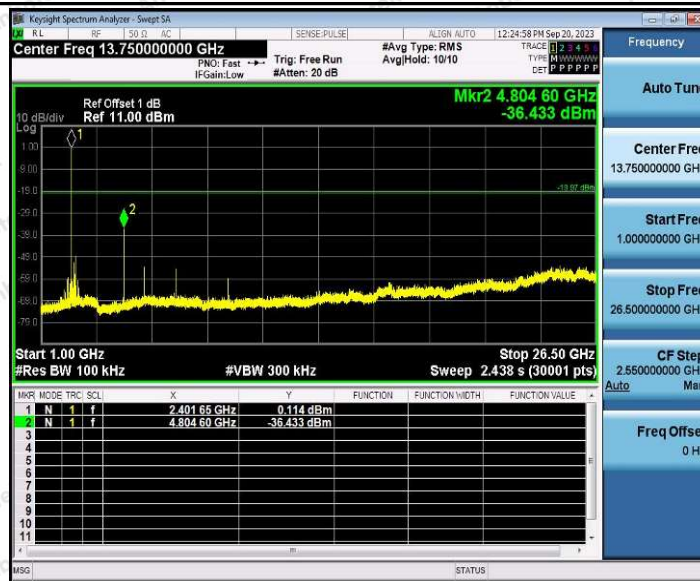
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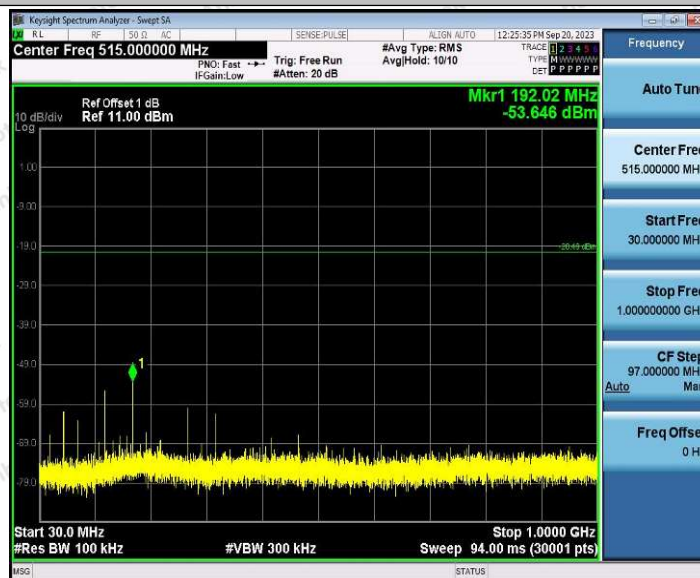




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



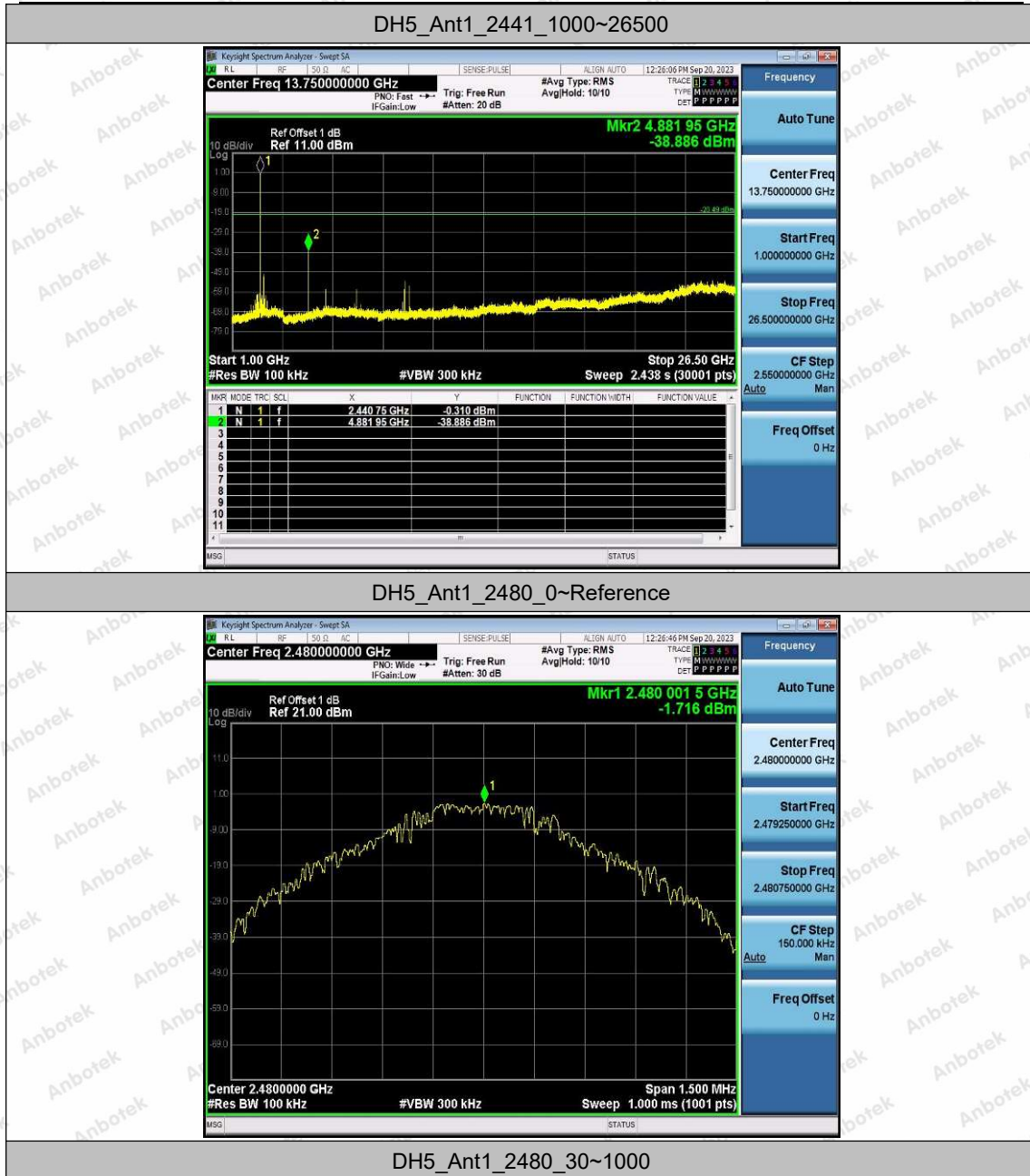
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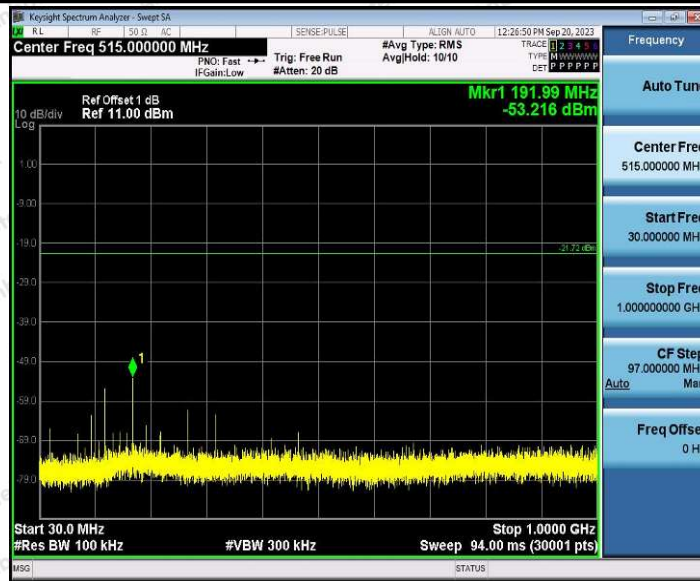
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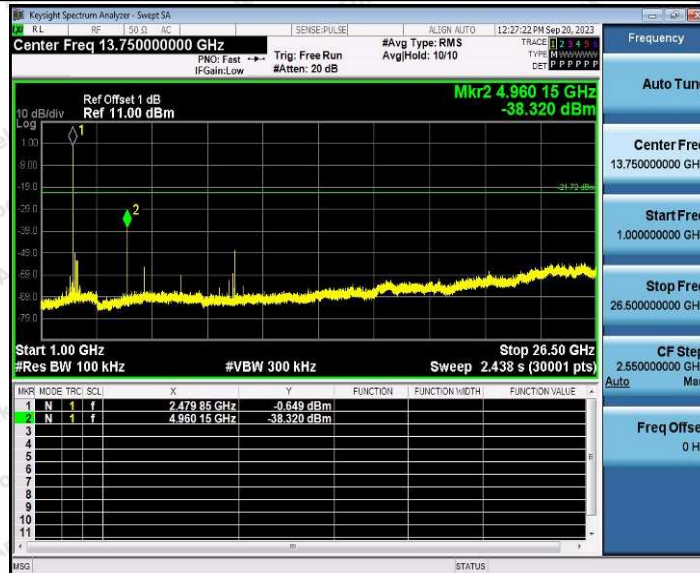


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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



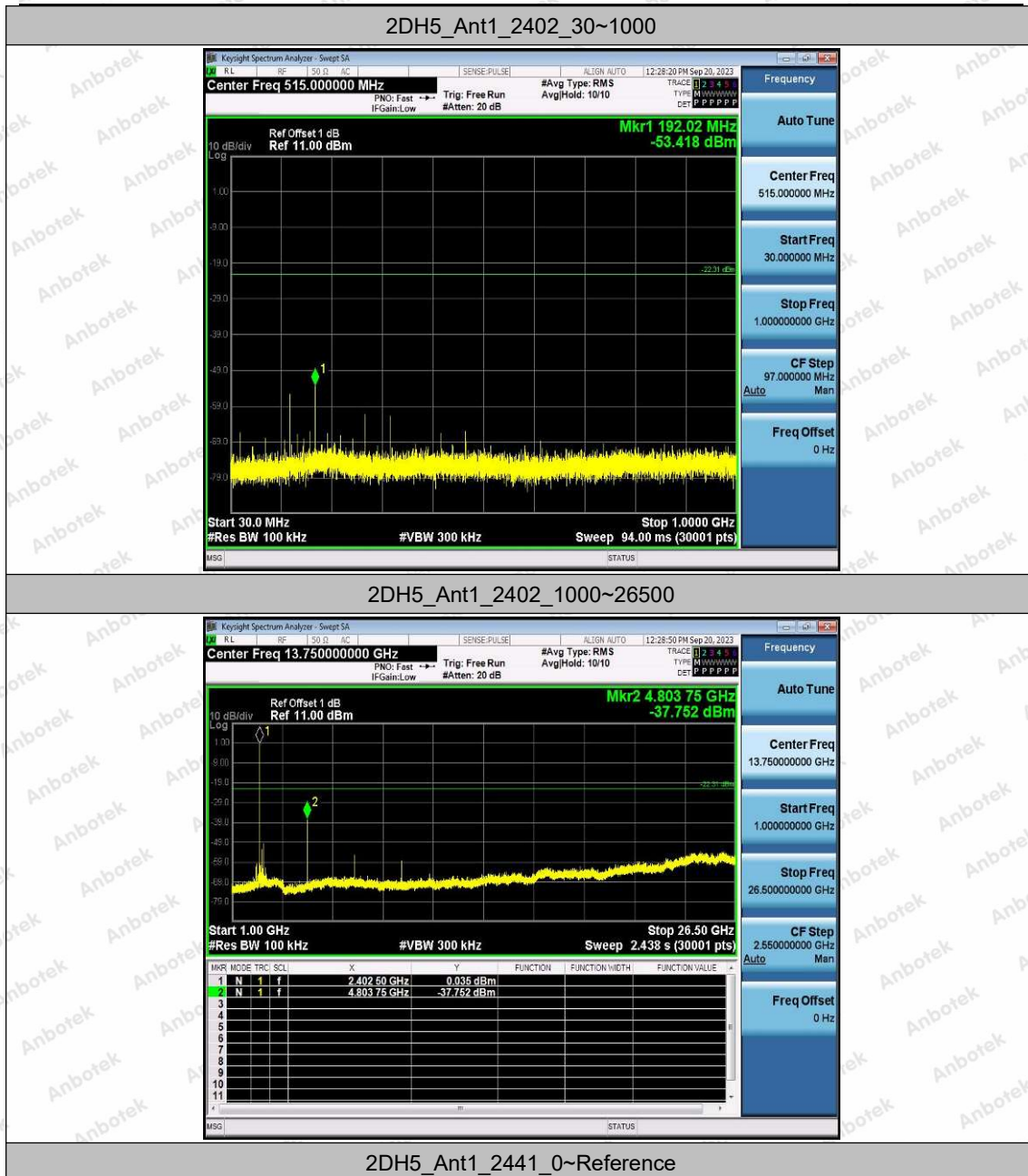
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2DH5_Ant1_2441_0~Reference

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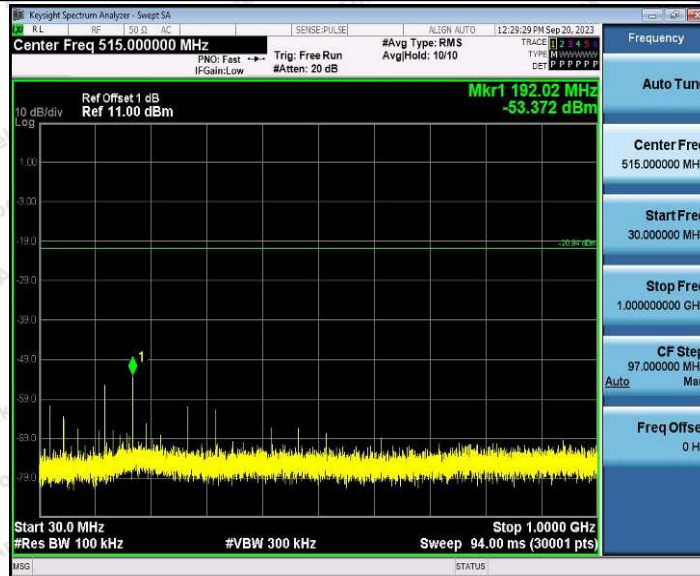


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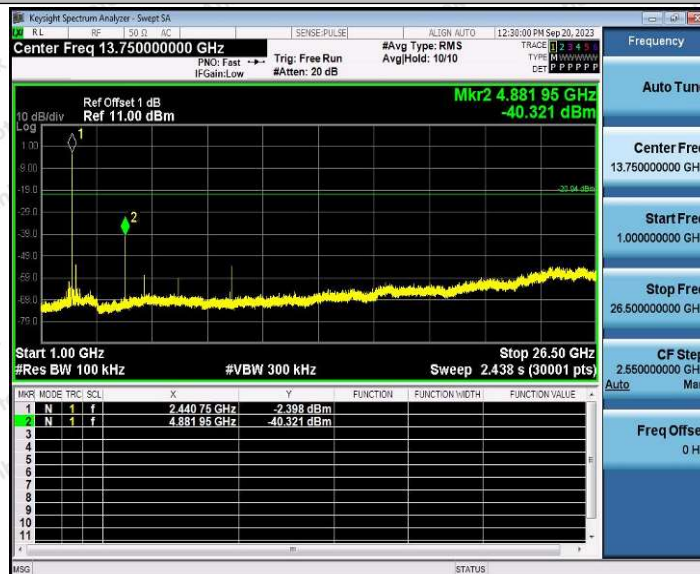




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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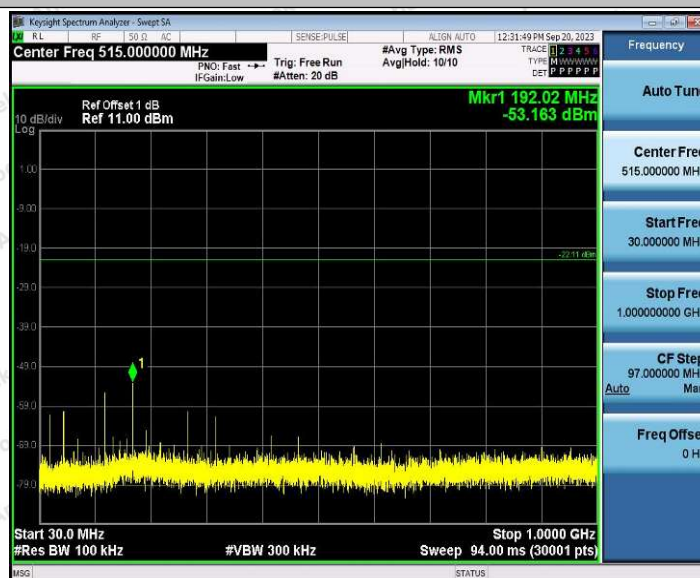
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

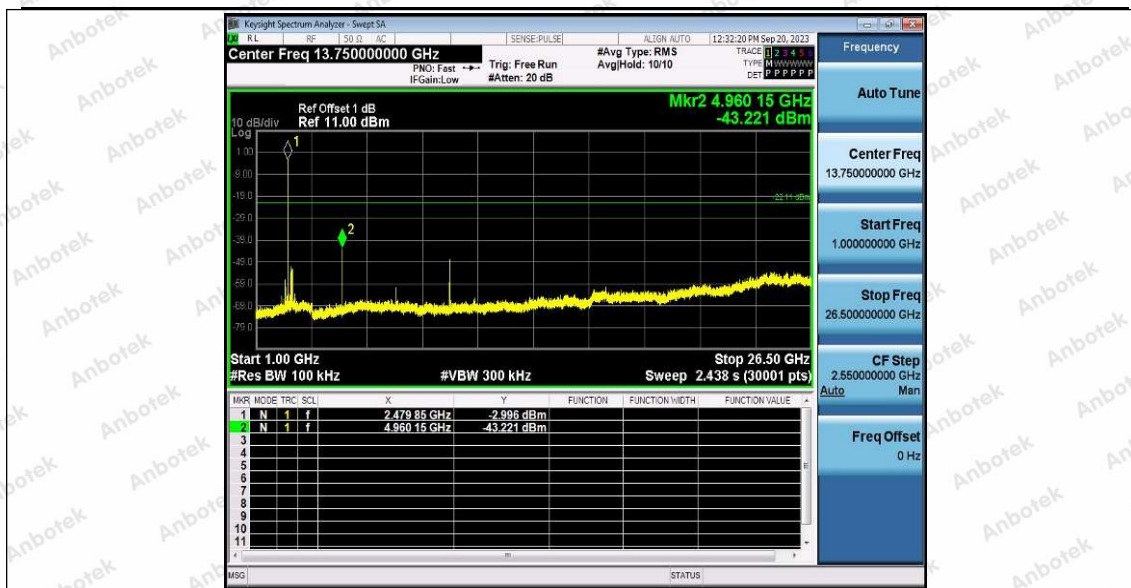
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.91	3.75	77.60	1.10
		2441	2.90	3.75	77.33	1.12
		2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.91	3.74	77.81	1.09
		2441	2.91	3.75	77.60	1.10
		2480	2.92	3.76	77.66	1.10



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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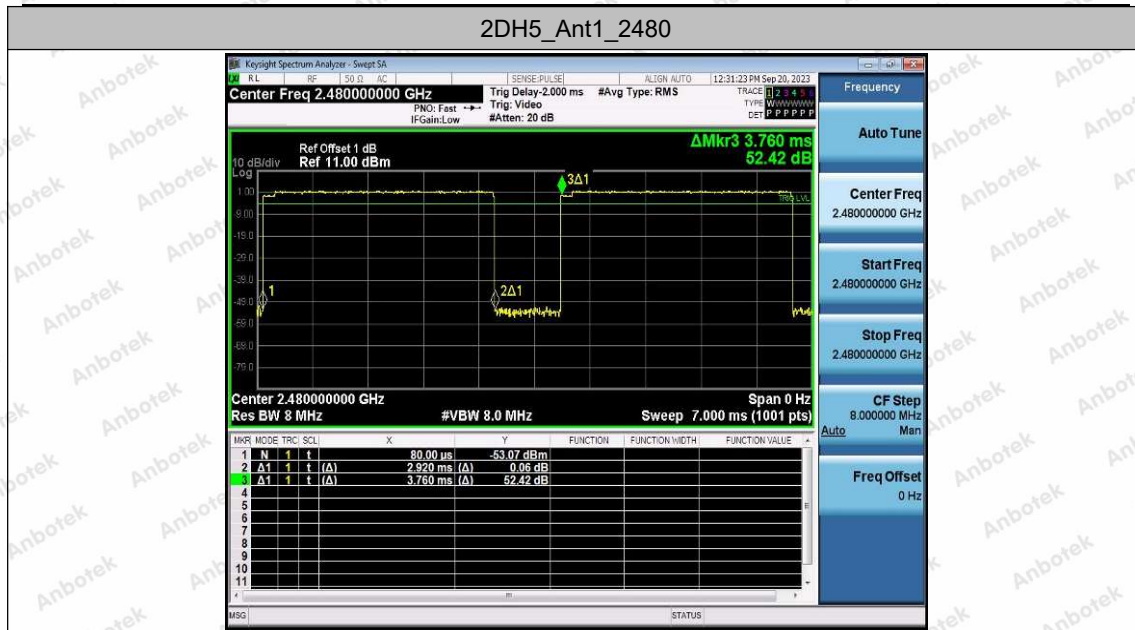


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