

Appendix Test Data

Report No.:	18220WC20222101	Test Sample No.:	1-2-2
Start Test Date:	2022.9.19	Finish Test Date:	2022.9.23
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	27.3℃	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	1.032	2401.493	2402.525
		2441	1.032	2440.496	2441.528
		2480	1.038	2479.490	2480.528



Test Graphs



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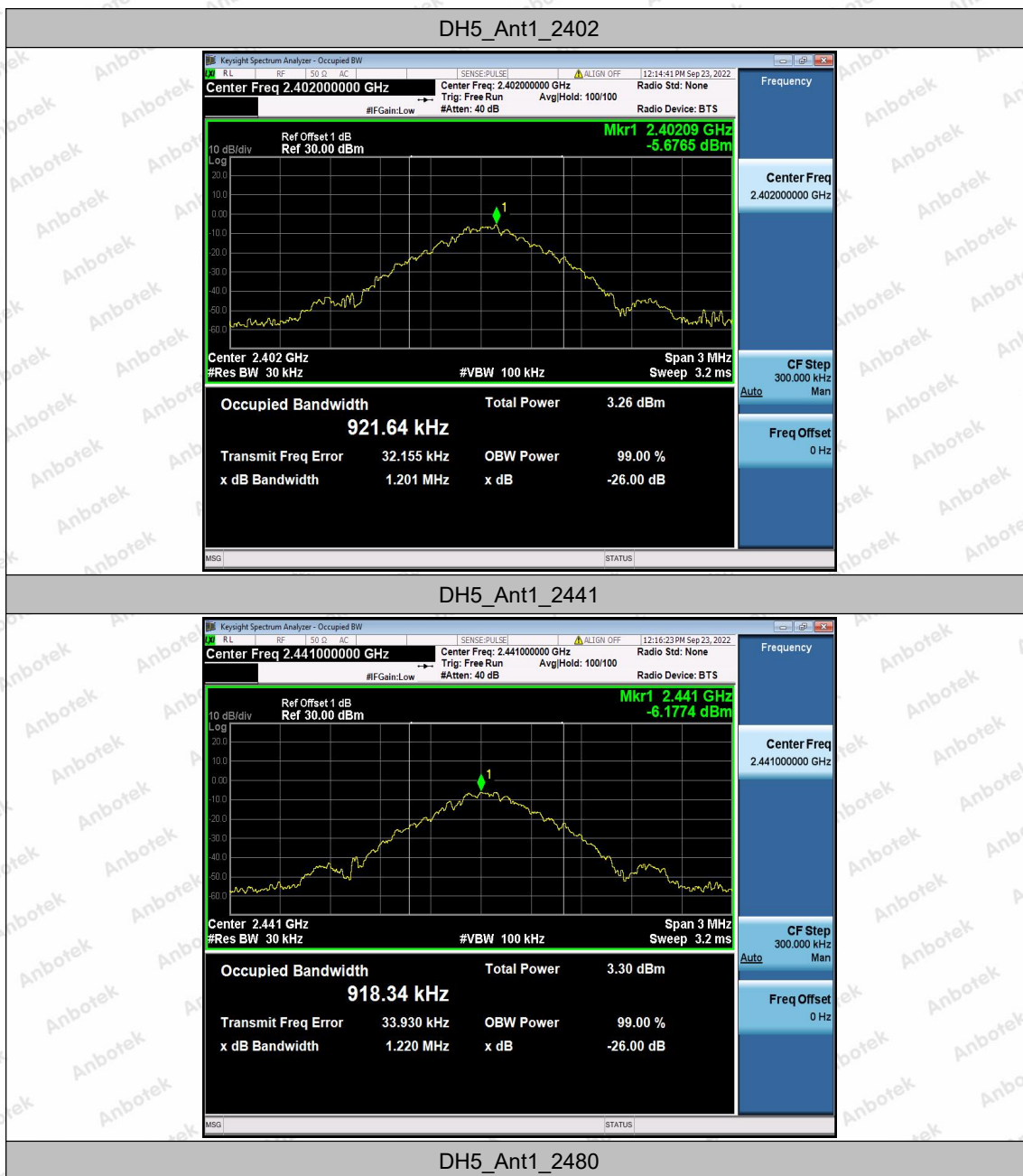
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.92164	2401.5713	2402.4930
		2441	0.91834	2440.5748	2441.4931
		2480	0.90745	2479.5807	2480.4881



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
DH5	Ant1	2402	-2.92	≤20.97	PASS
		2441	-3.08	≤20.97	PASS
		2480	-3.57	≤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
DH5	Ant1	Hop	1.006	≥0.692	PASS

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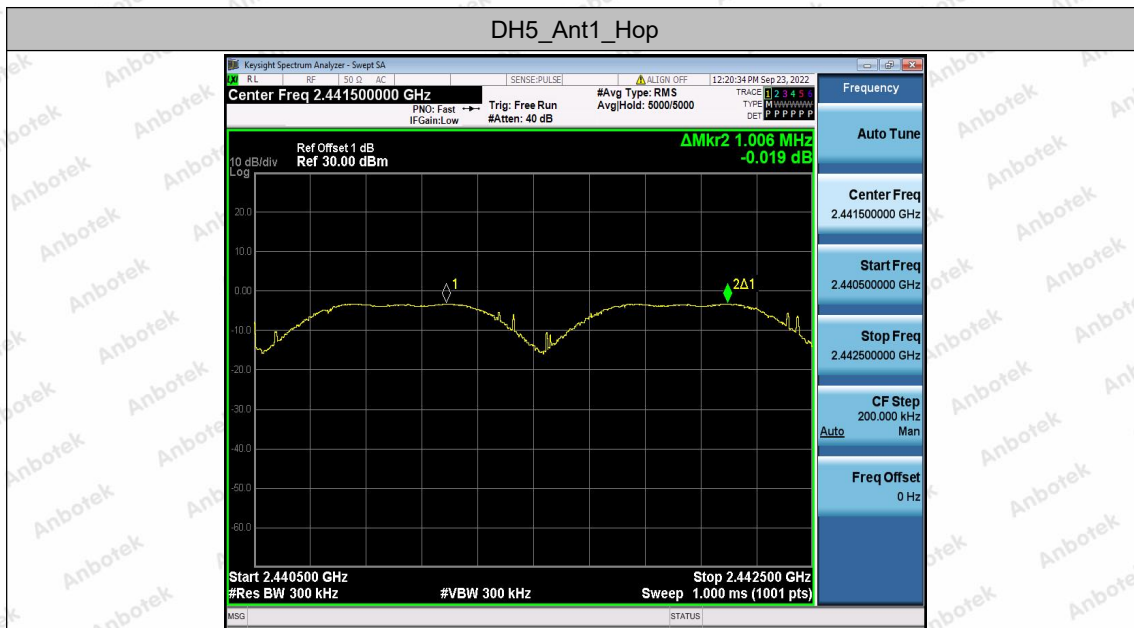
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Test Graphs



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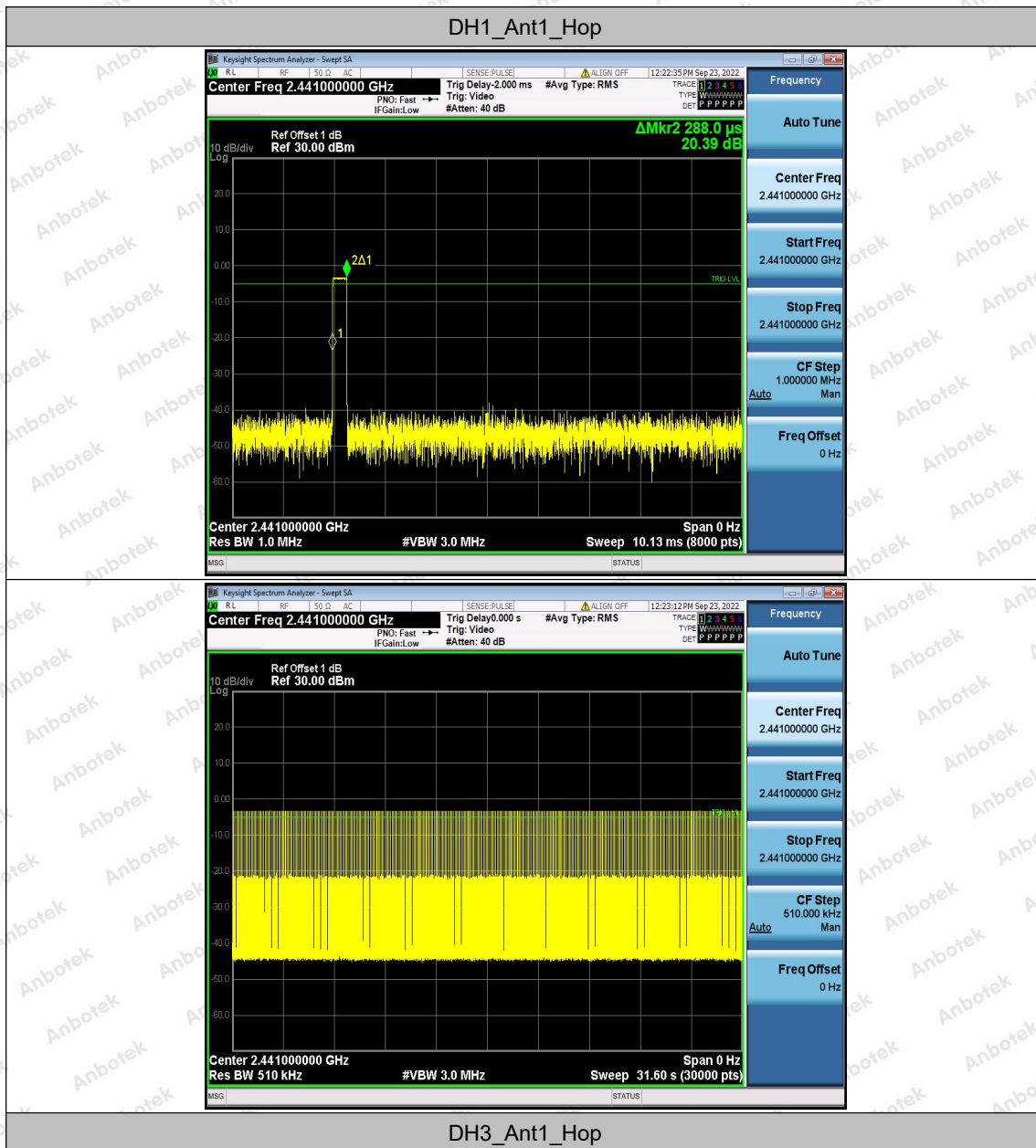
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.288	373	0.107	≤0.4	PASS
DH3	Ant1	Hop	1.519	172	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.741	113	0.31	≤0.4	PASS



Test Graphs



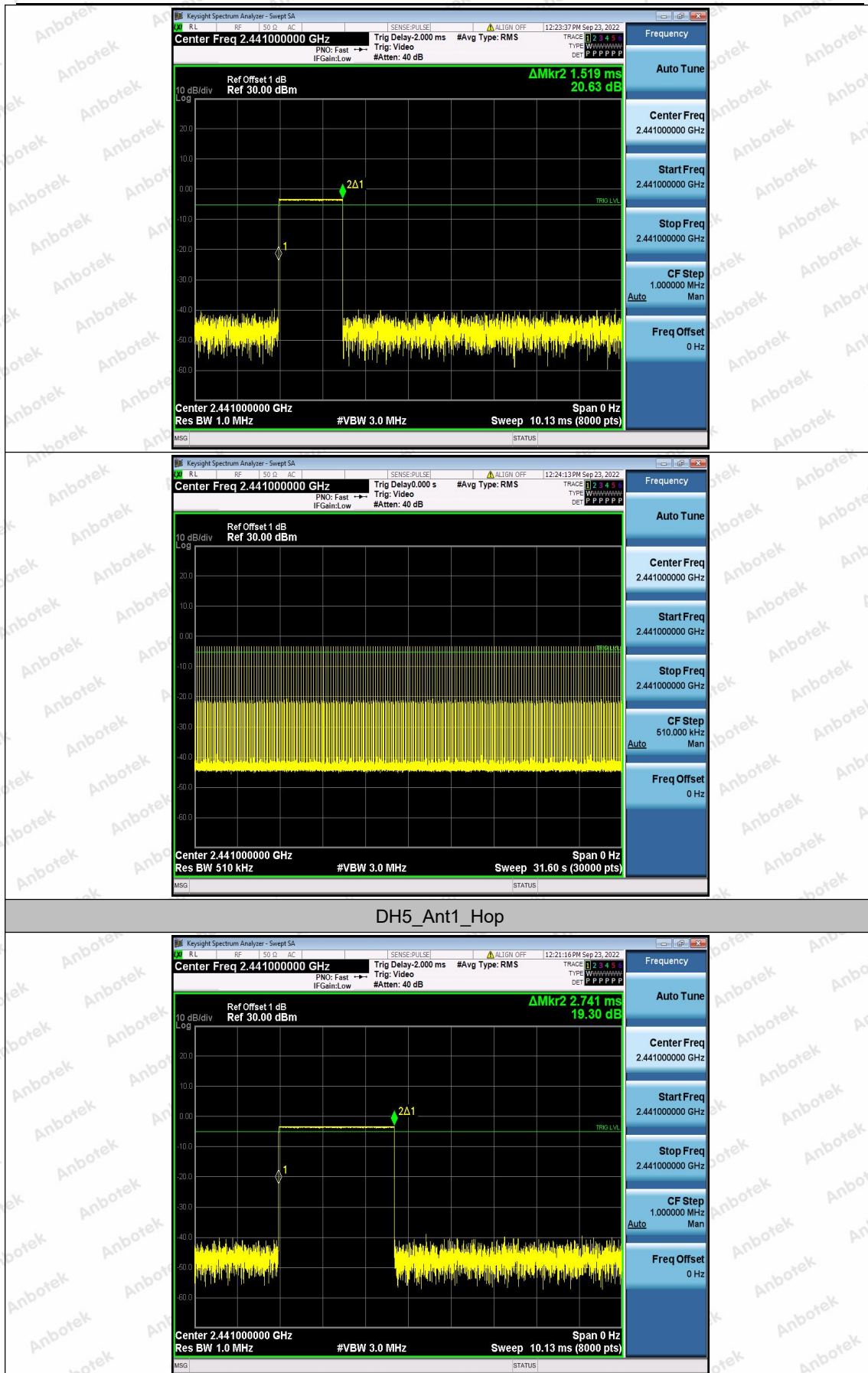
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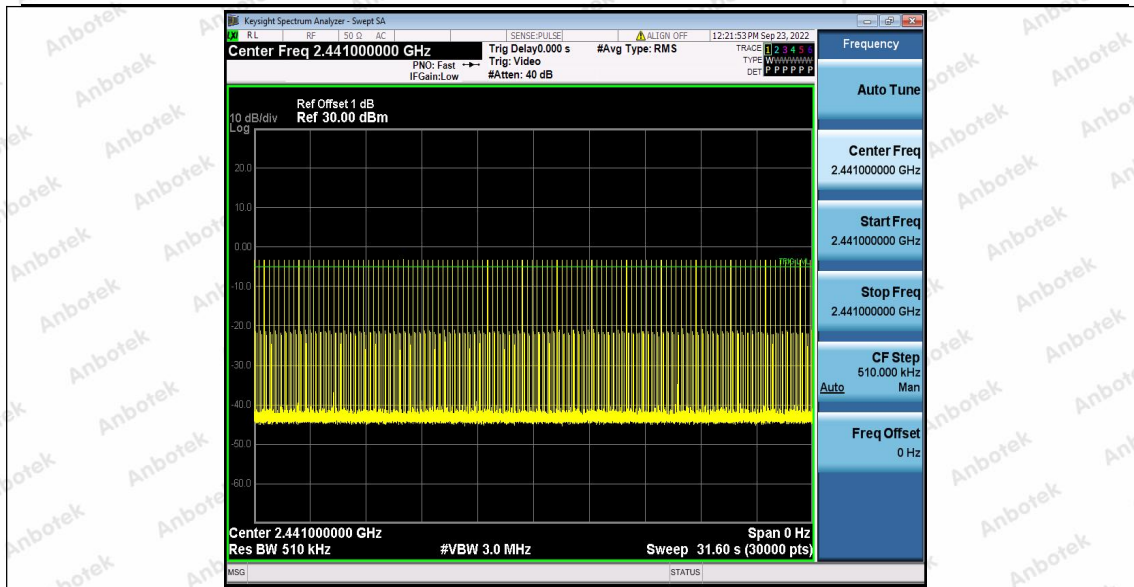
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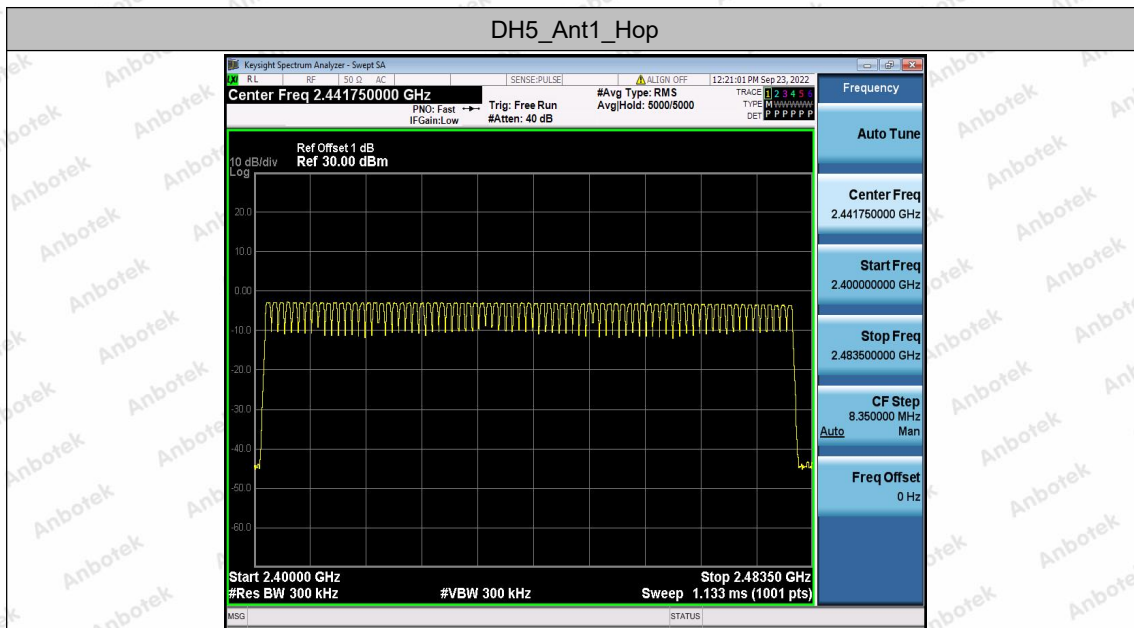
Appendix F: Number of hopping channels

Test Result

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



Test Graphs



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Appendix G: Band edge measurements

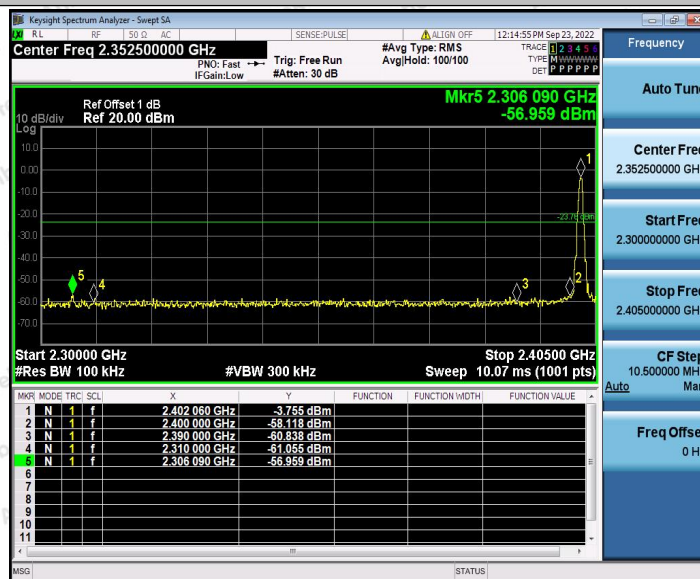
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.76	-56.96	≤-23.76	PASS
		High	2480	-4.09	-57.16	≤-24.09	PASS
		Low	Hop_2402	-3.55	-57.11	≤-23.55	PASS
		High	Hop_2480	-3.88	-54.64	≤-23.88	PASS

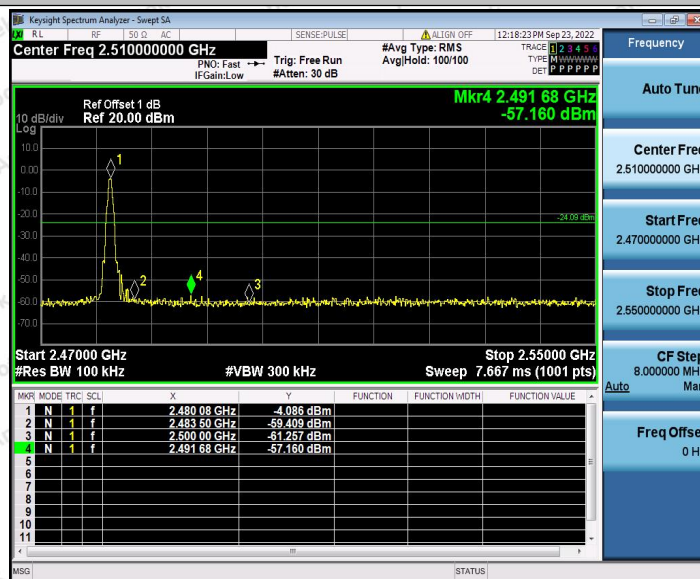


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

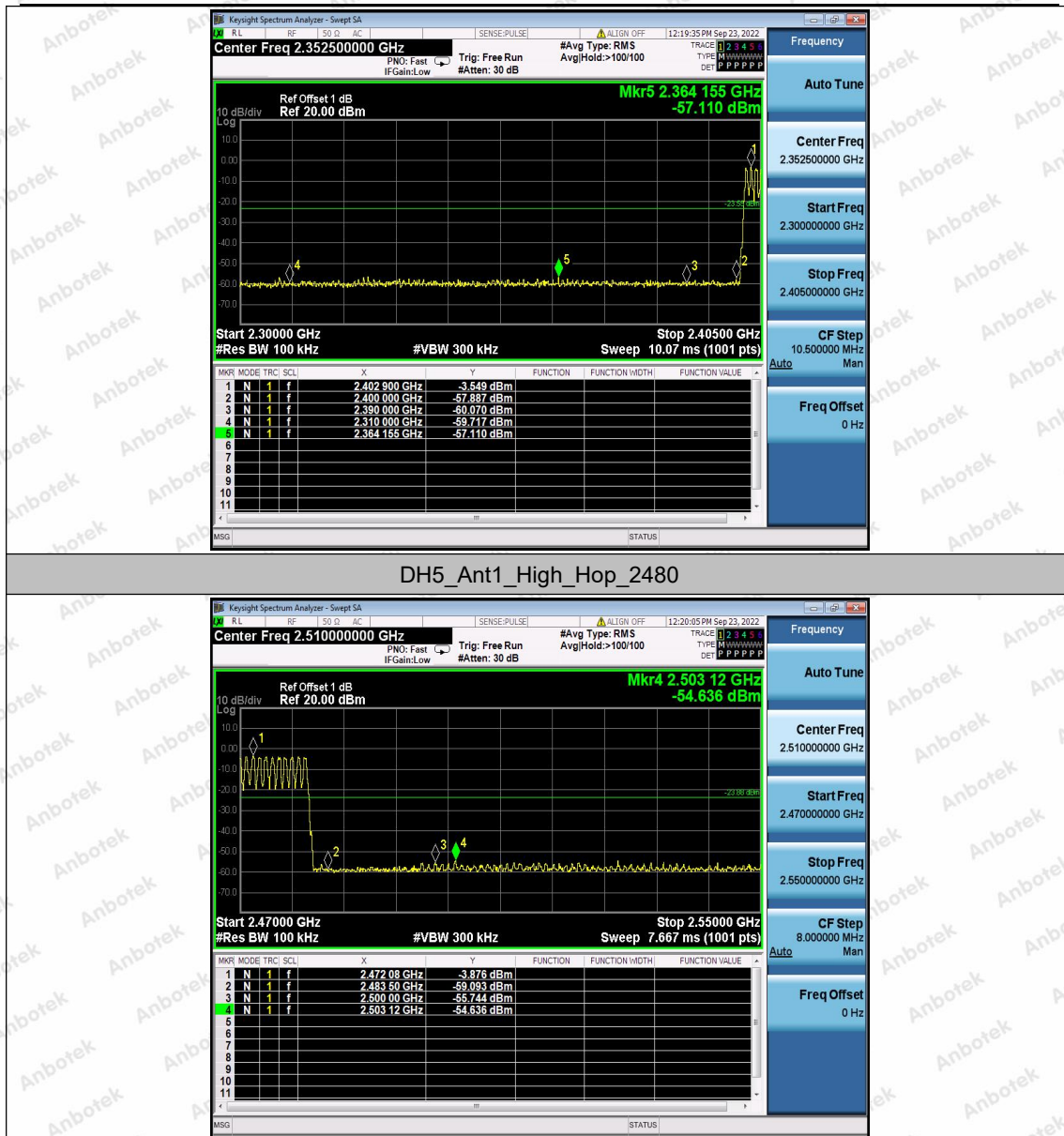
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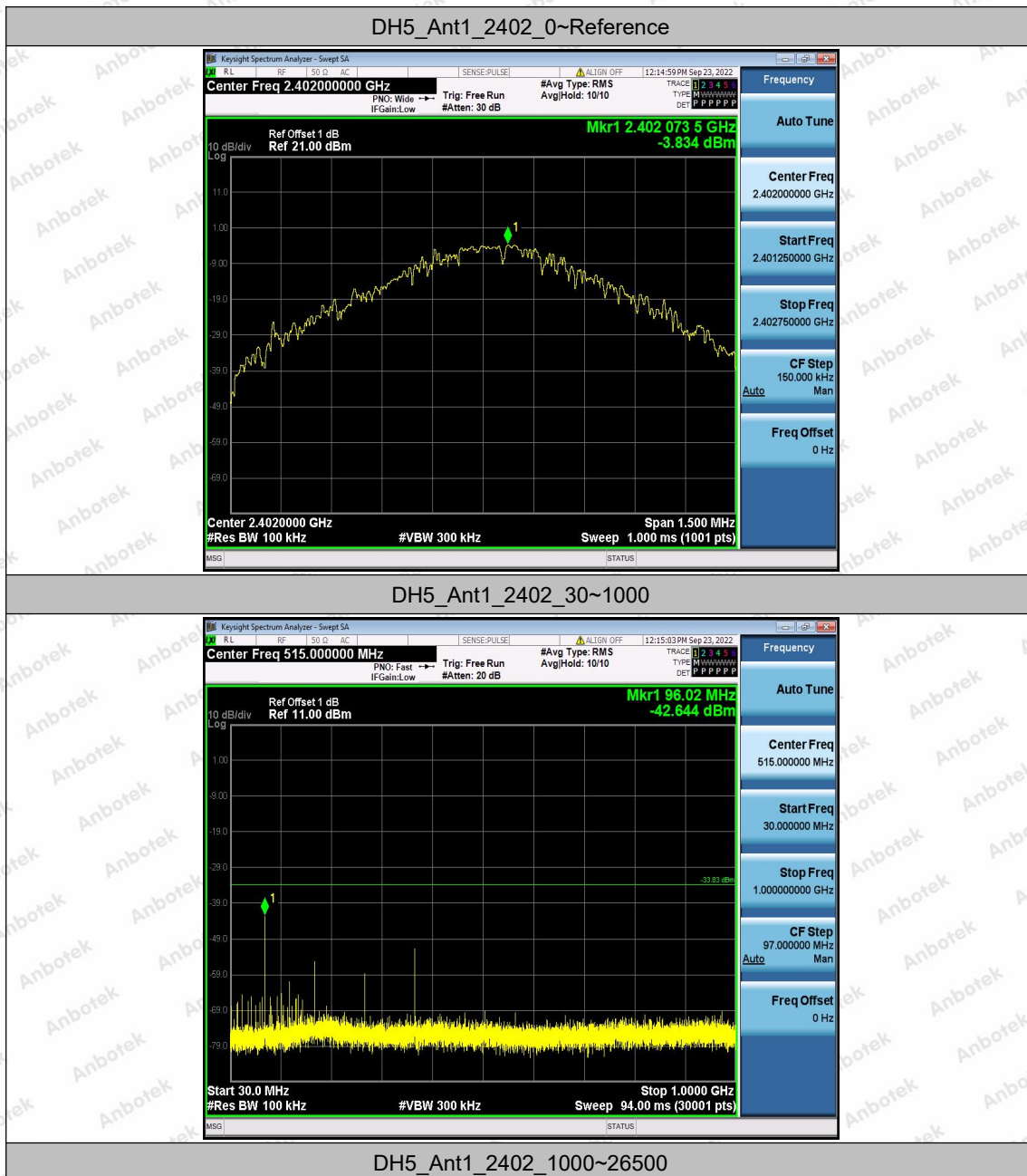
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.83	-3.83	---	PASS
			30~1000	-3.83	-42.64	≤-33.83	PASS
			1000~26500	-3.83	-49.44	≤-33.83	PASS
		2441	Reference	-4.02	-4.02	---	PASS
			30~1000	-4.02	-42.27	≤-34.02	PASS
			1000~26500	-4.02	-50.47	≤-34.02	PASS
		2480	Reference	-4.66	-4.66	---	PASS
			30~1000	-4.66	-42.37	≤-34.66	PASS
			1000~26500	-4.66	-47.91	≤-34.66	PASS



Test Graphs



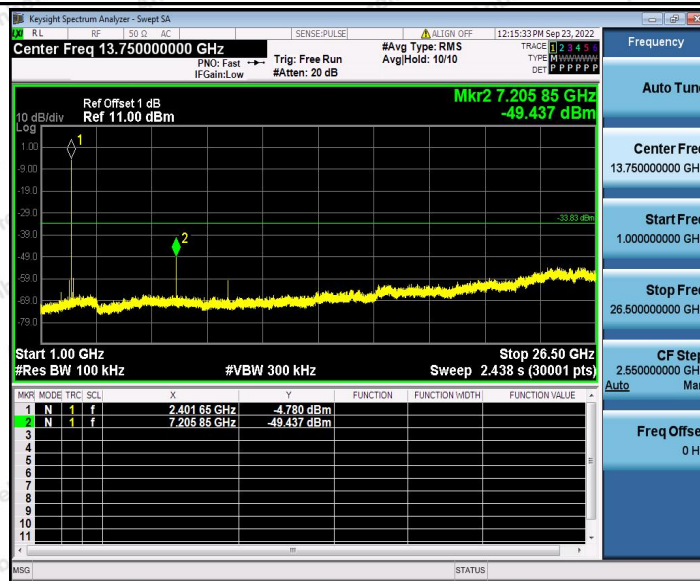
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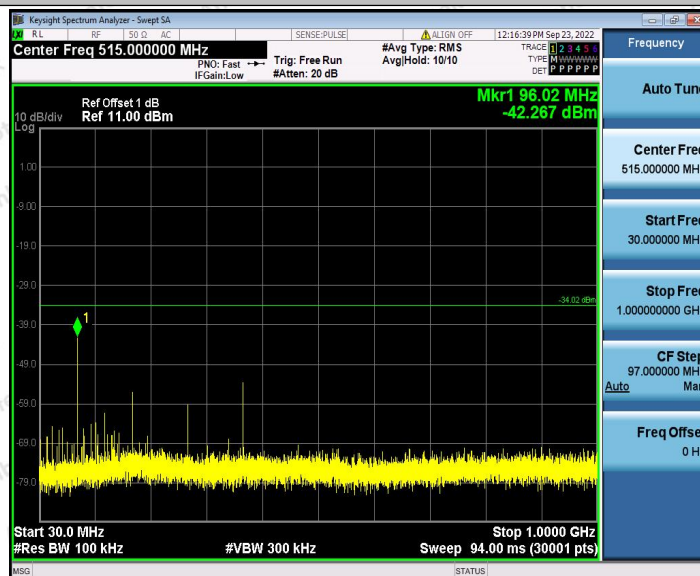




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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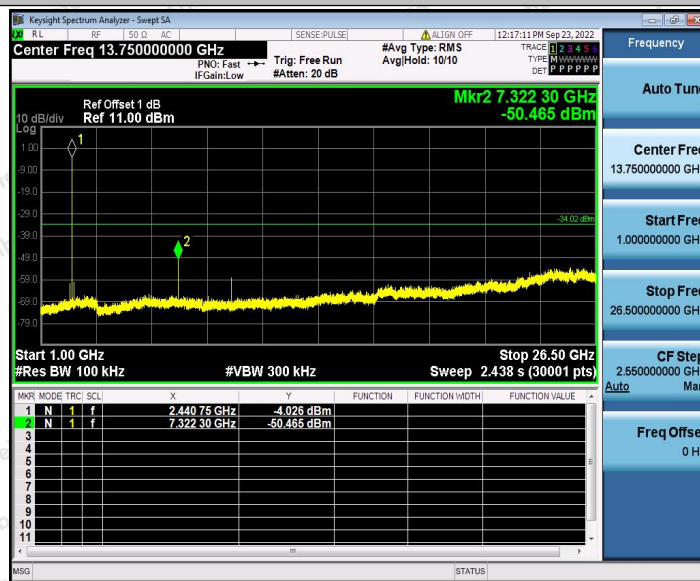
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

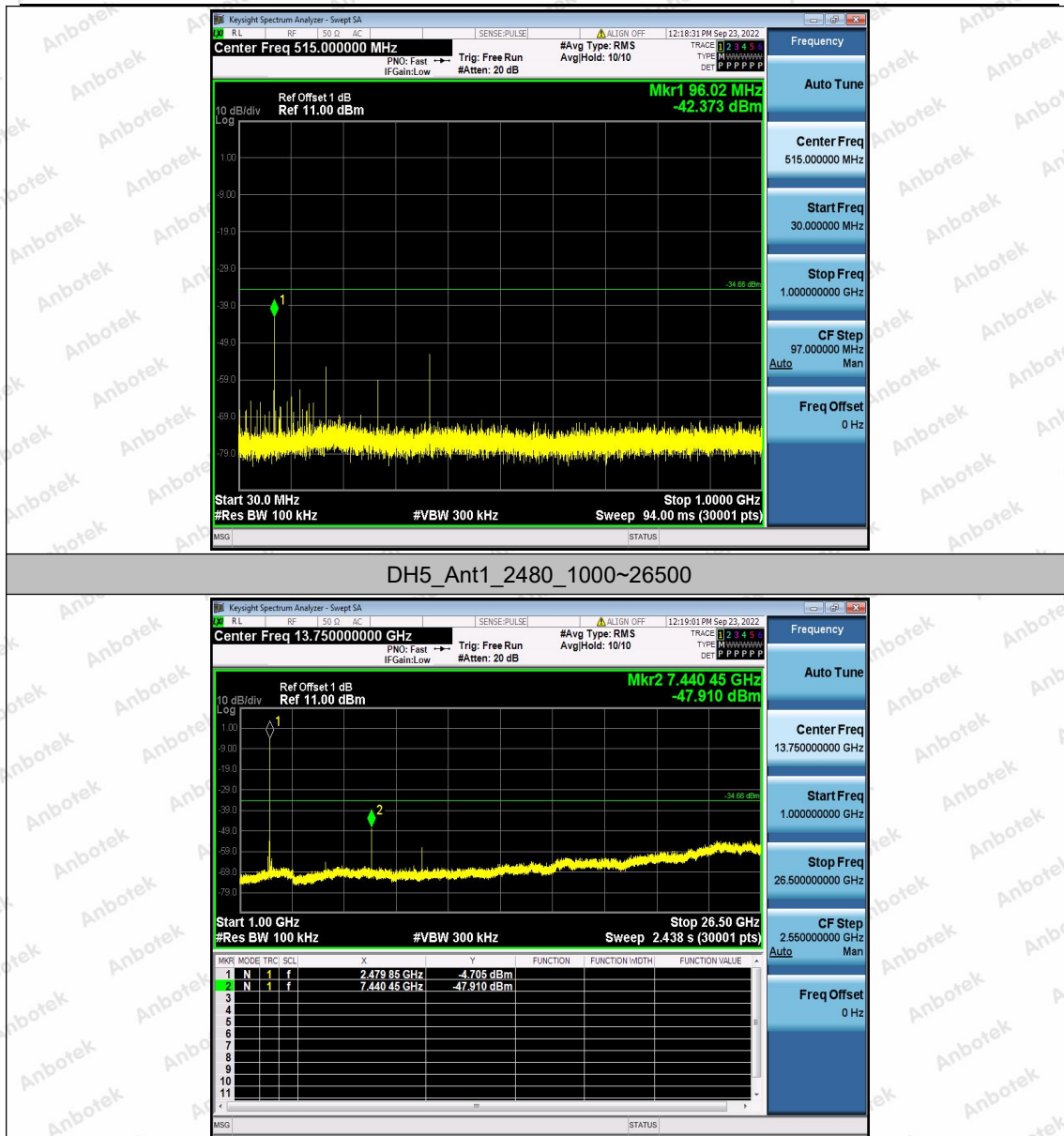
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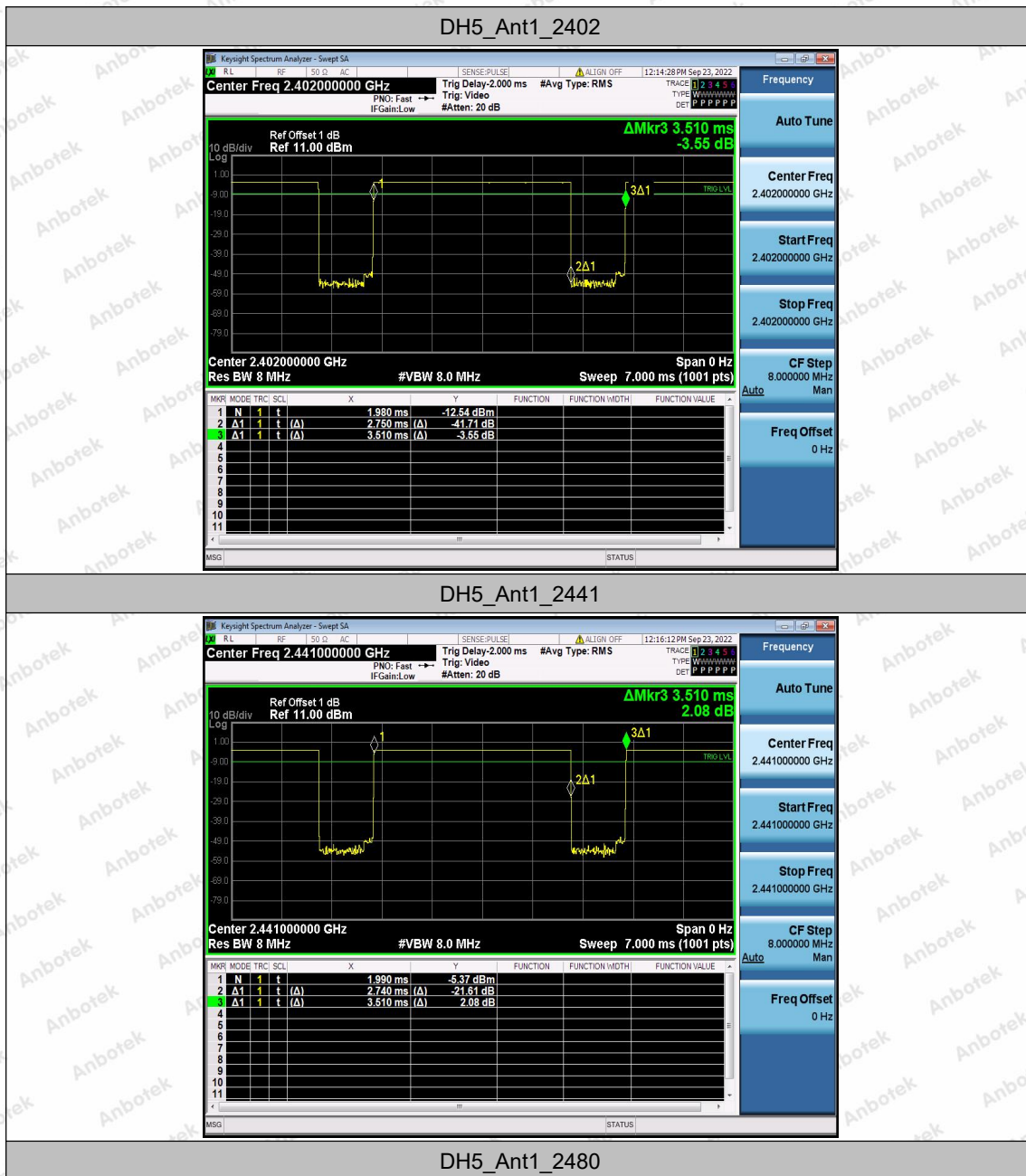
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.75	3.51	78.35	1.06
		2441	2.74	3.51	78.06	1.08
		2480	2.75	3.51	78.35	1.06



Test Graphs



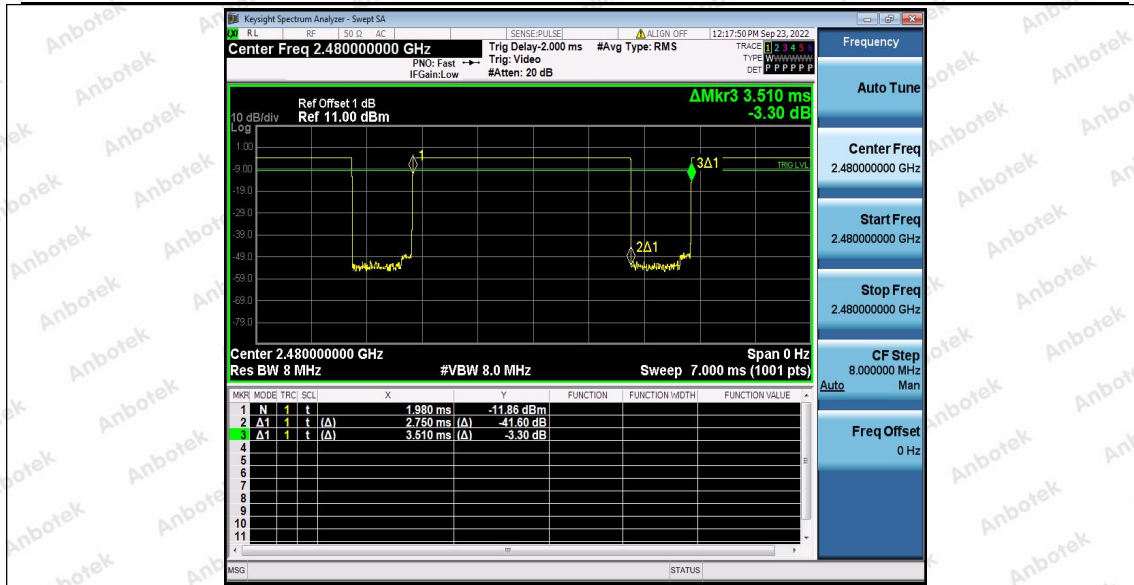
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