

Appendix Test Data

Report No.:	18220WC20208601	Test Sample No.:	1-2-2
Start Test Date:	2022.9.5	Finish Test Date:	2022.9.8
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	27.3C°	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	1.059	2401.454	2402.513
		2441	1.038	2440.463	2441.501
		2480	1.047	2479.460	2480.507

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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	0.91914	2401.5452	2402.4643
		2441	0.92141	2440.5376	2441.4590
		2480	0.92777	2479.5392	2480.4670



Test Graphs



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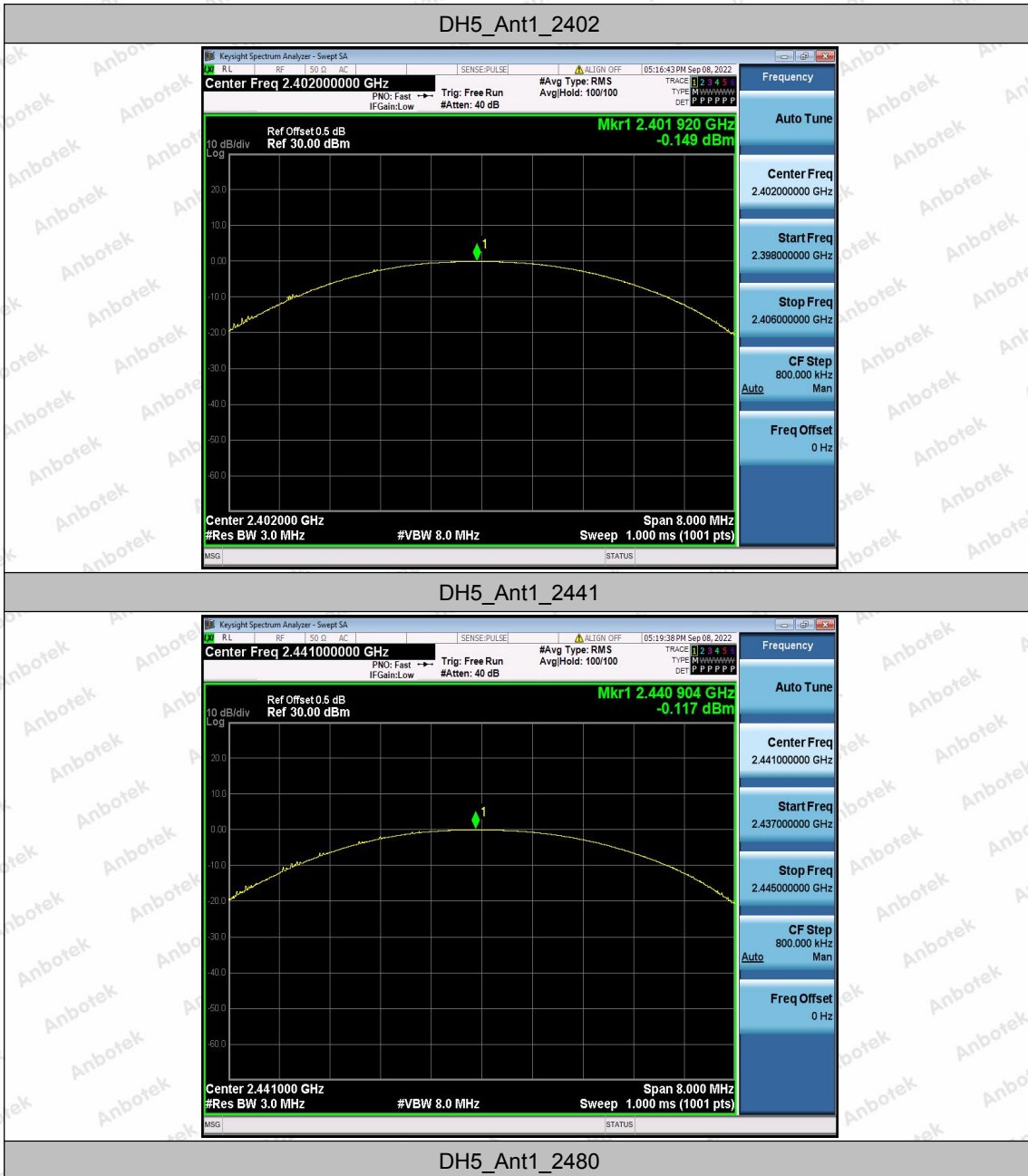
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.15	≤20.97	PASS
		2441	-0.12	≤20.97	PASS
		2480	0.1	≤20.97	PASS



Test Graphs



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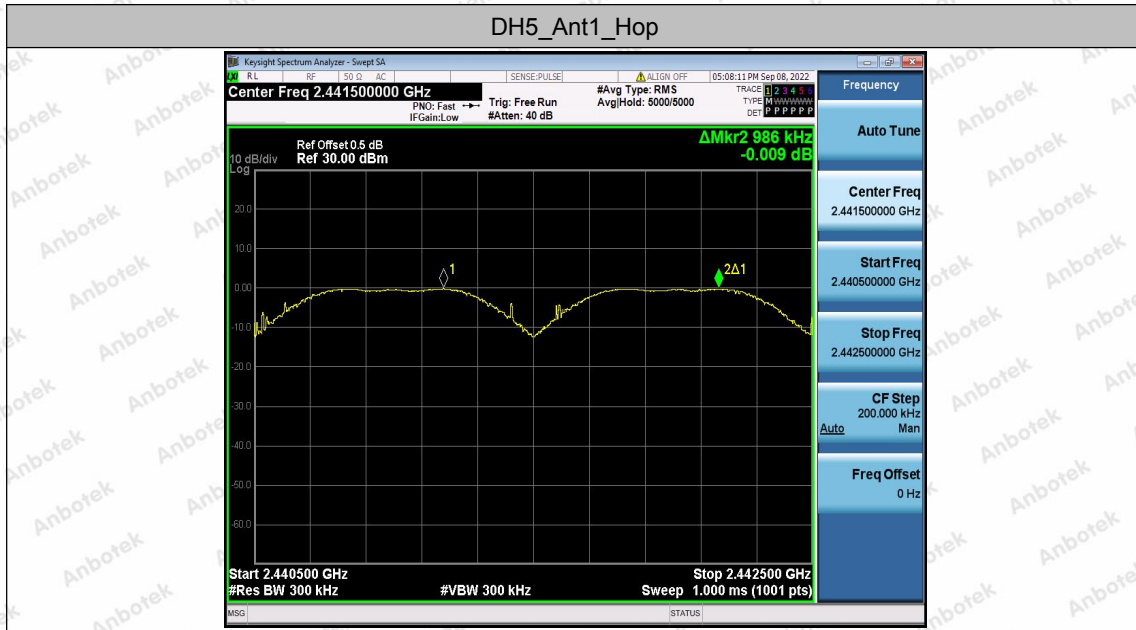
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.706	PASS



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	1.520	172	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.741	113	0.31	≤0.4	PASS

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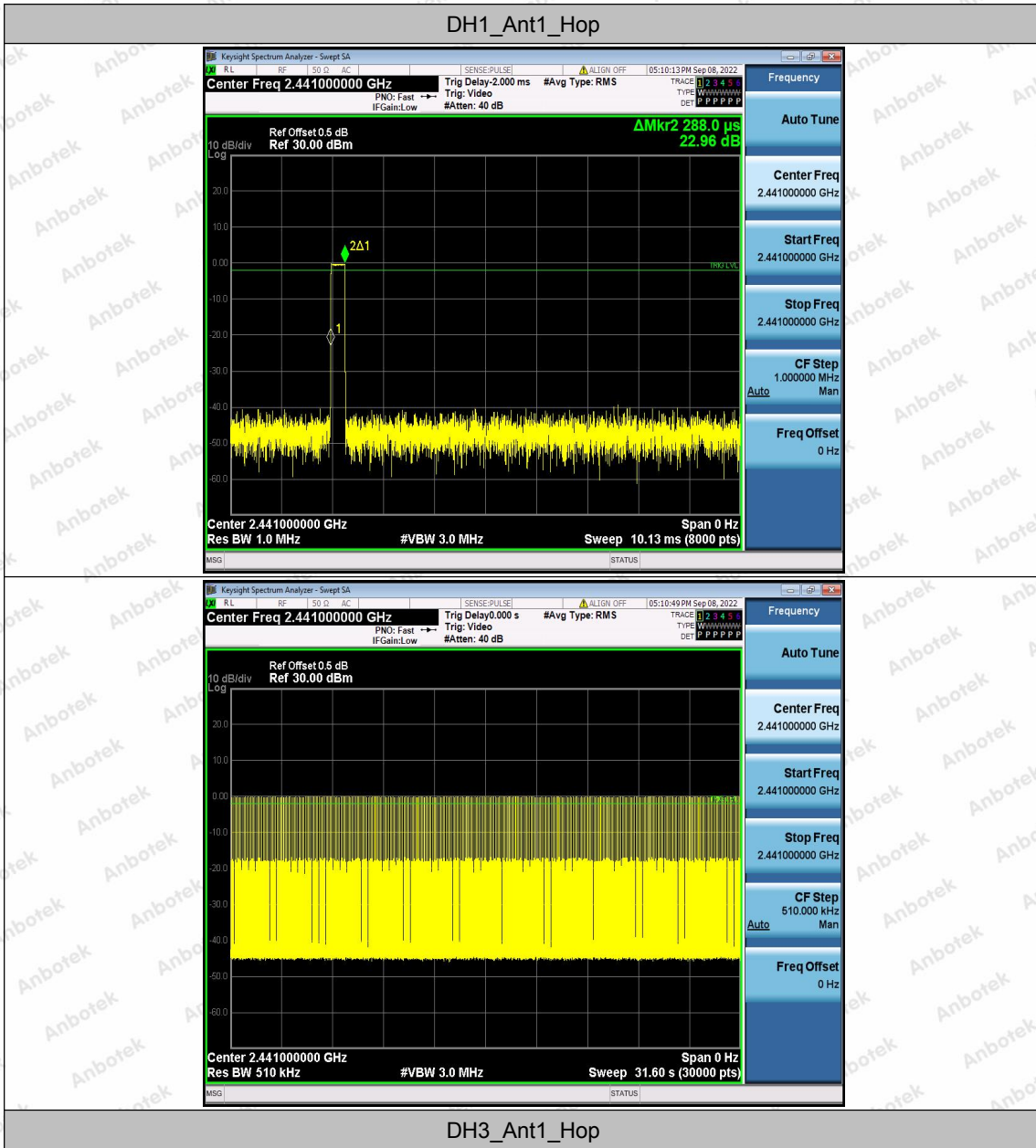
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Test Graphs

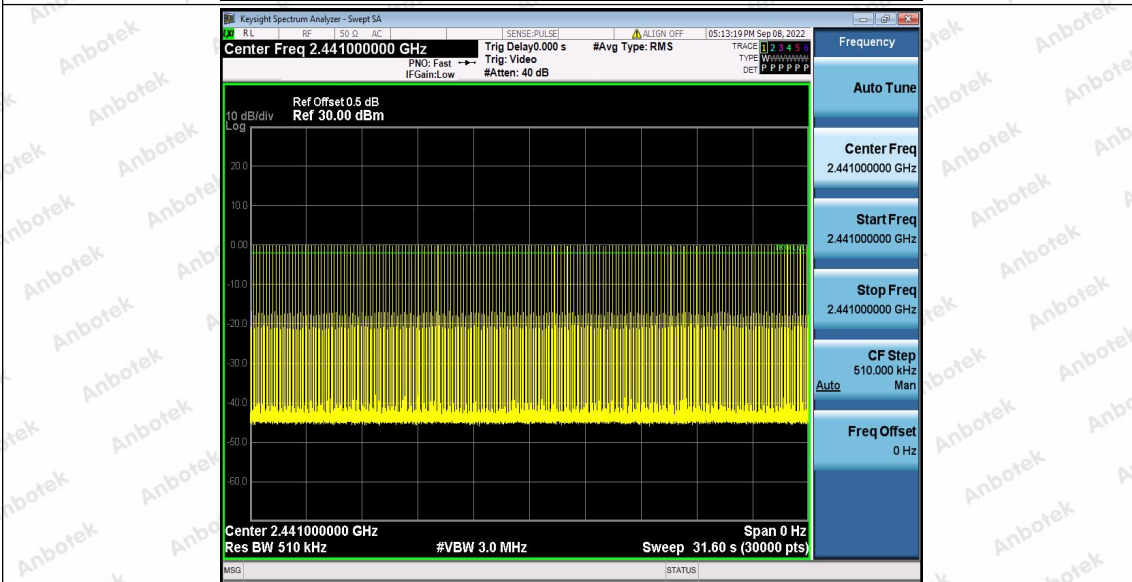
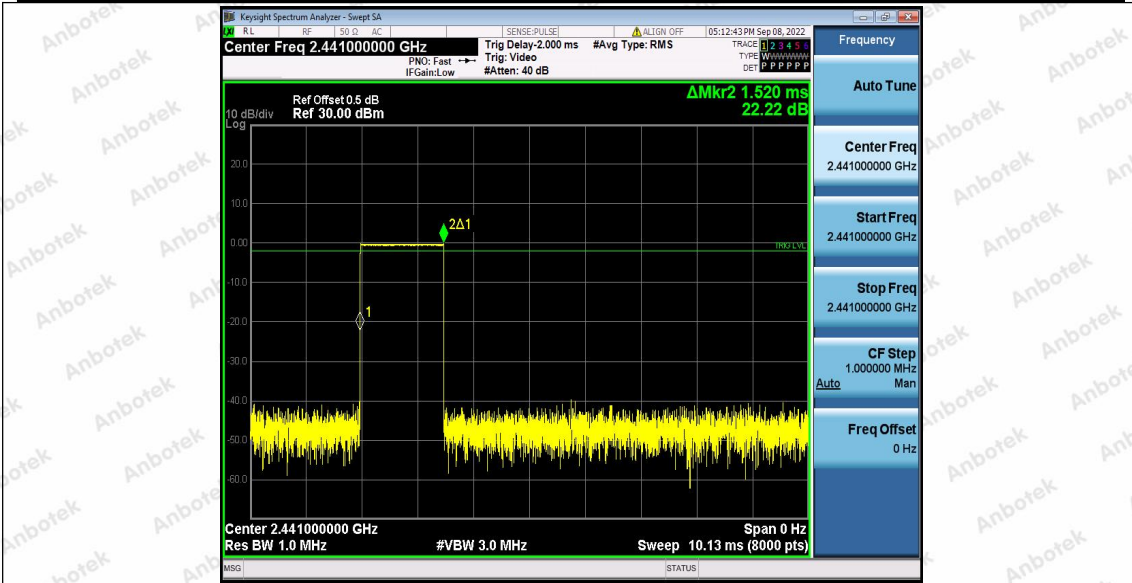


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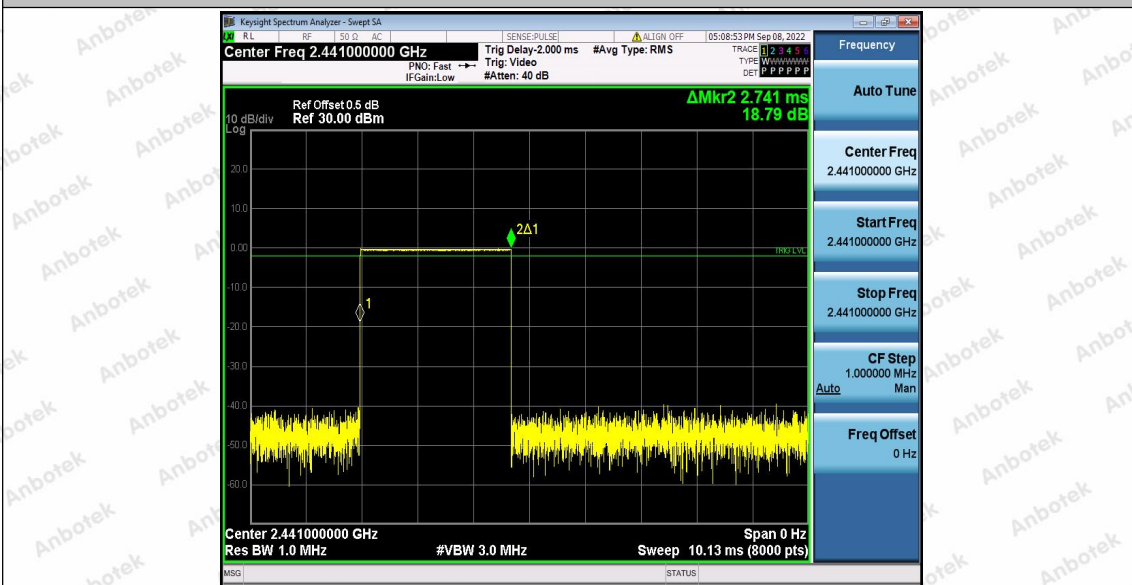
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DH5_Ant1_Hop

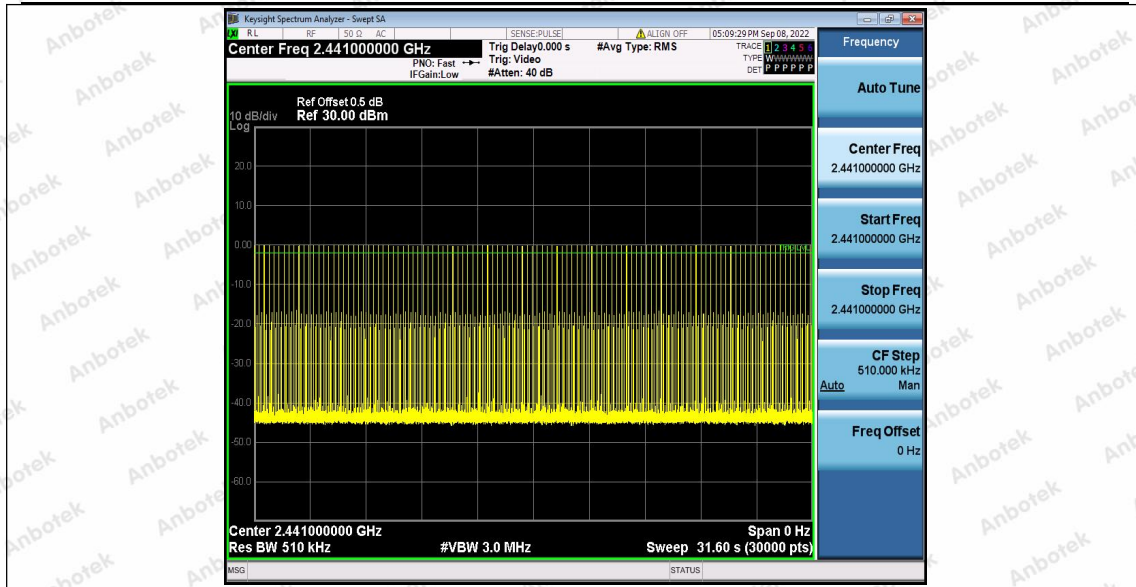


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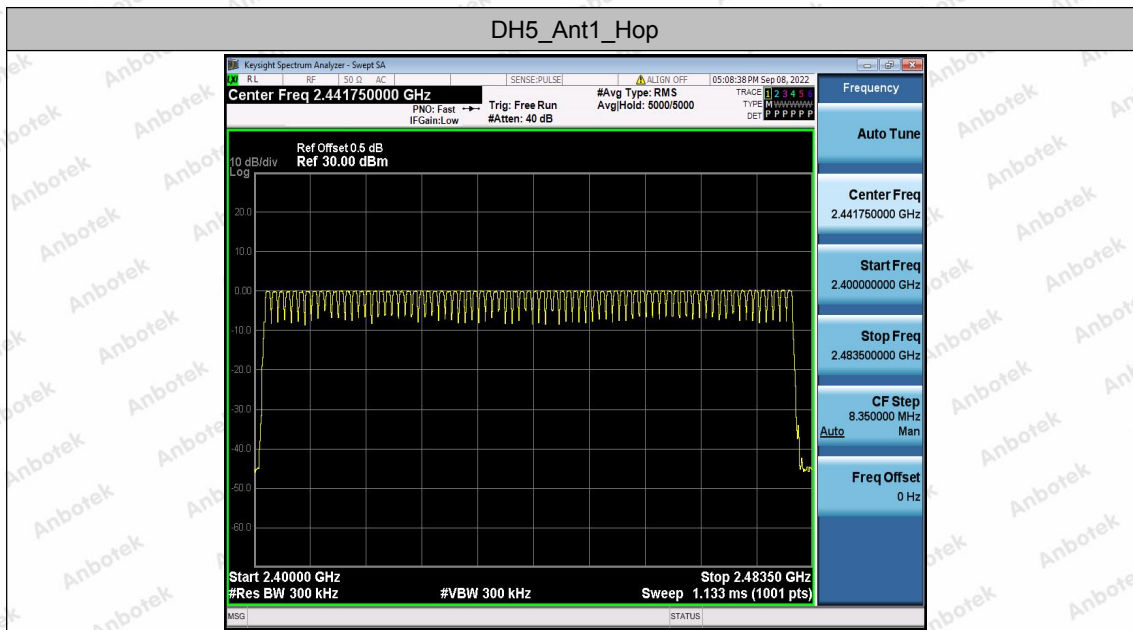
Appendix F: Number of hopping channels

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	-0.66	-52.73	≤-20.66	PASS
		High	2480	-0.24	-58.1	≤-20.24	PASS
		Low	Hop_2402	-0.77	-58.26	≤-20.77	PASS
		High	Hop_2480	-0.35	-57.21	≤-20.35	PASS

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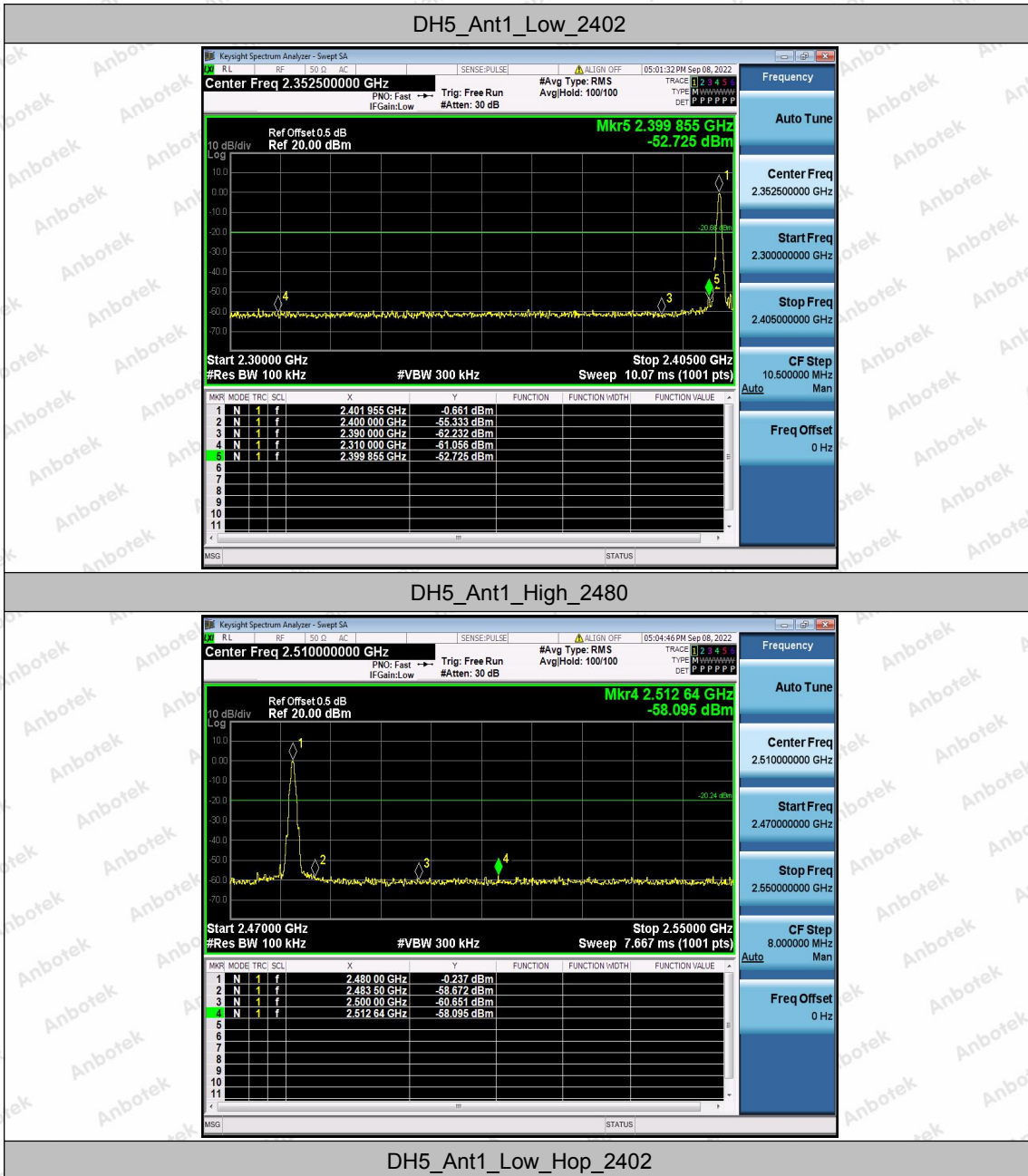
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Test Graphs

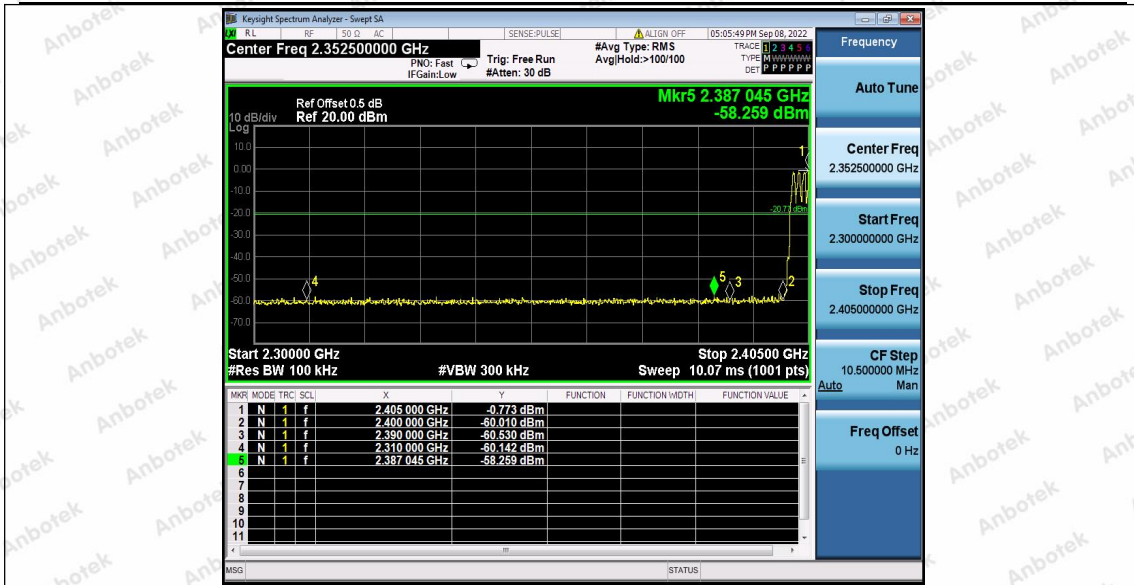


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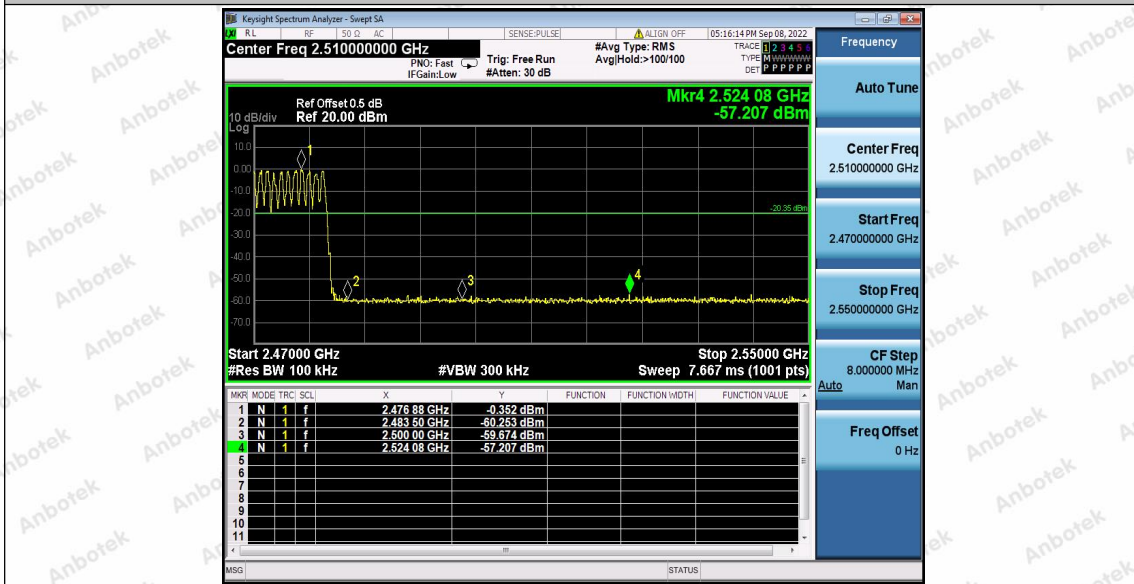
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DH5_Ant1_High_Hop_2480



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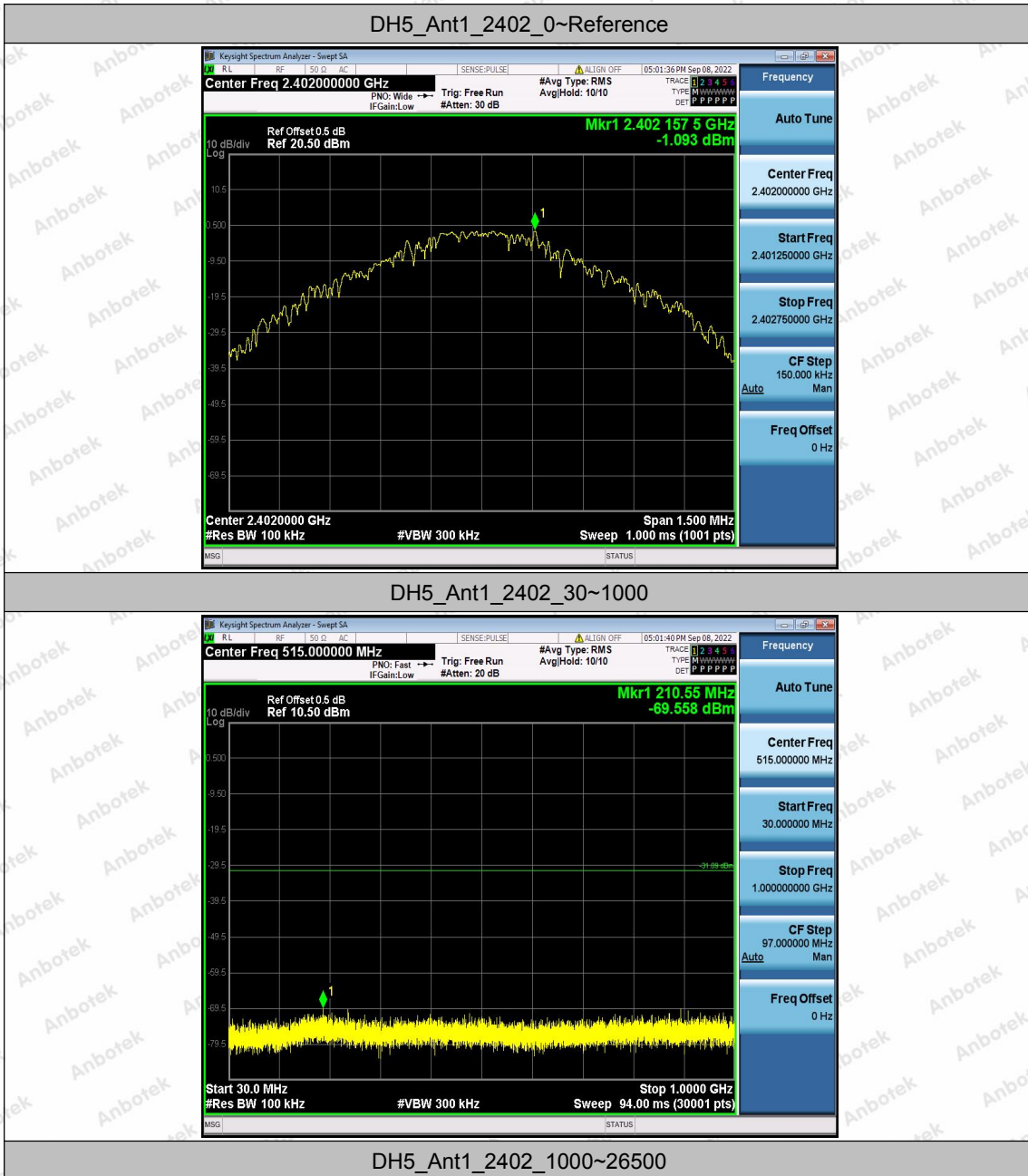
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.09	-1.09	---	PASS
			30~1000	-1.09	-69.56	≤-31.09	PASS
			1000~26500	-1.09	-40.21	≤-31.09	PASS
		2441	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-69.6	≤-31.03	PASS
			1000~26500	-1.03	-44.53	≤-31.03	PASS
		2480	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-70.1	≤-30.78	PASS
			1000~26500	-0.78	-46.59	≤-30.78	PASS



Test Graphs

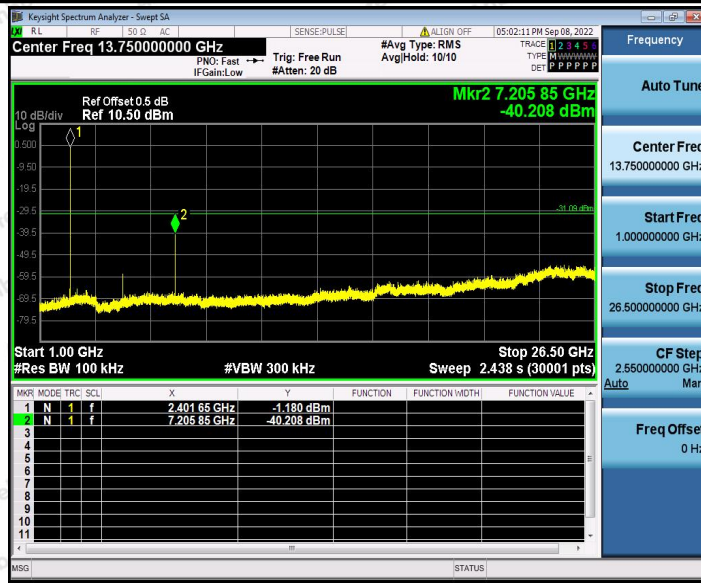


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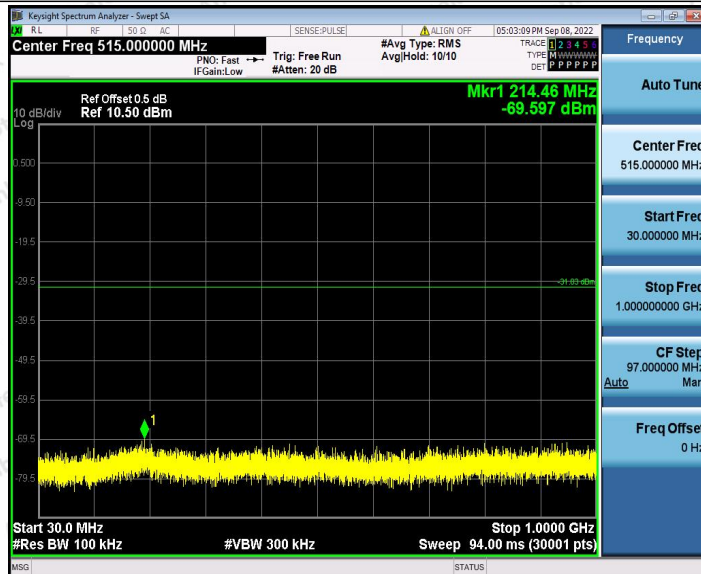




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

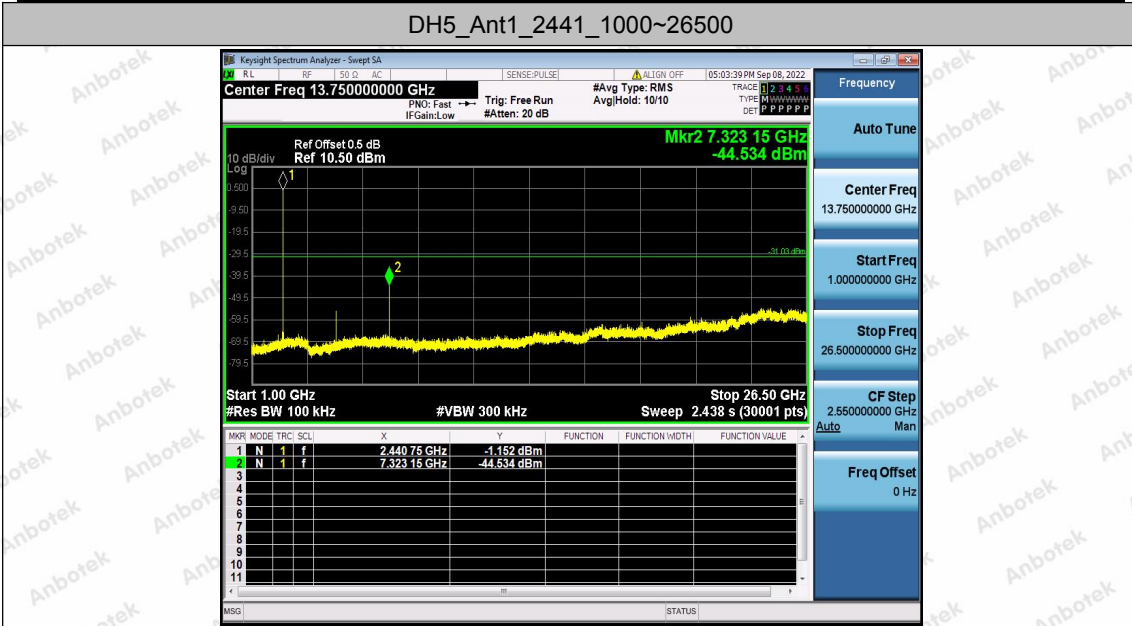


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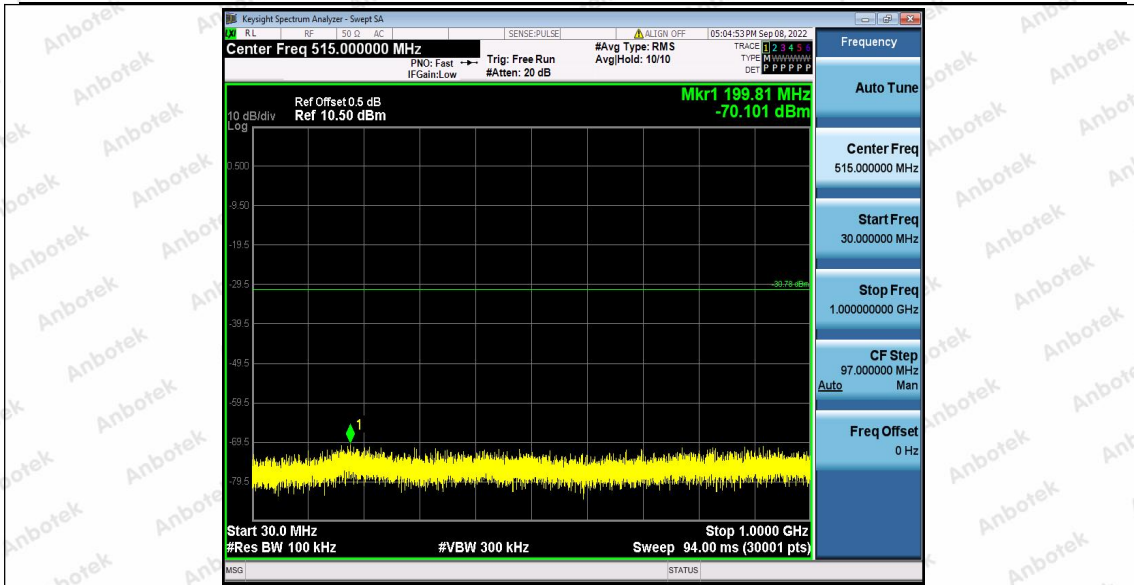
DH5_Ant1_2480_30~1000

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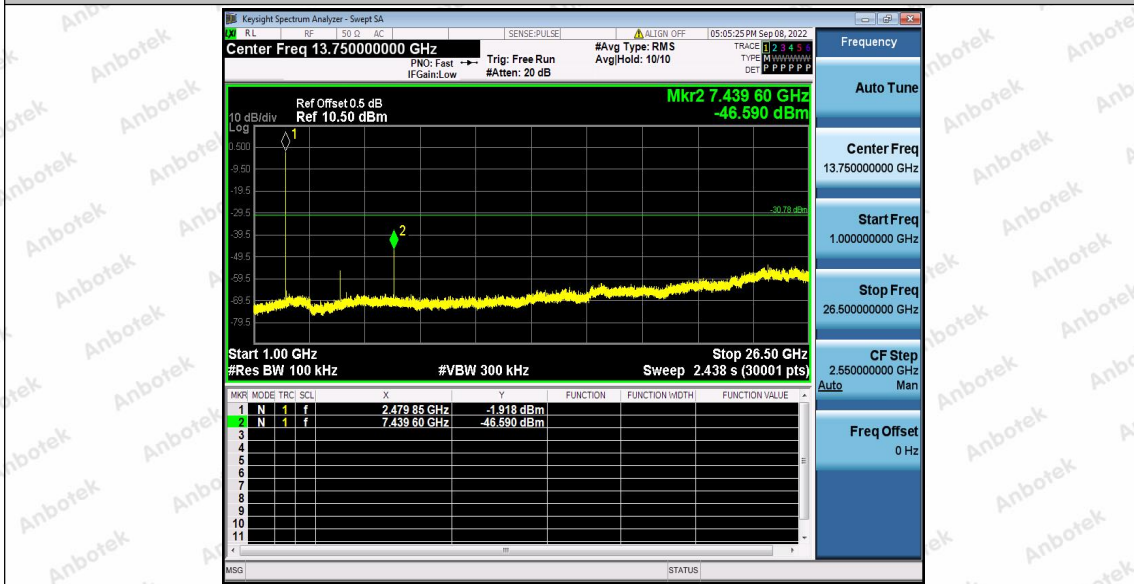
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DH5_Ant1_2480_1000~26500



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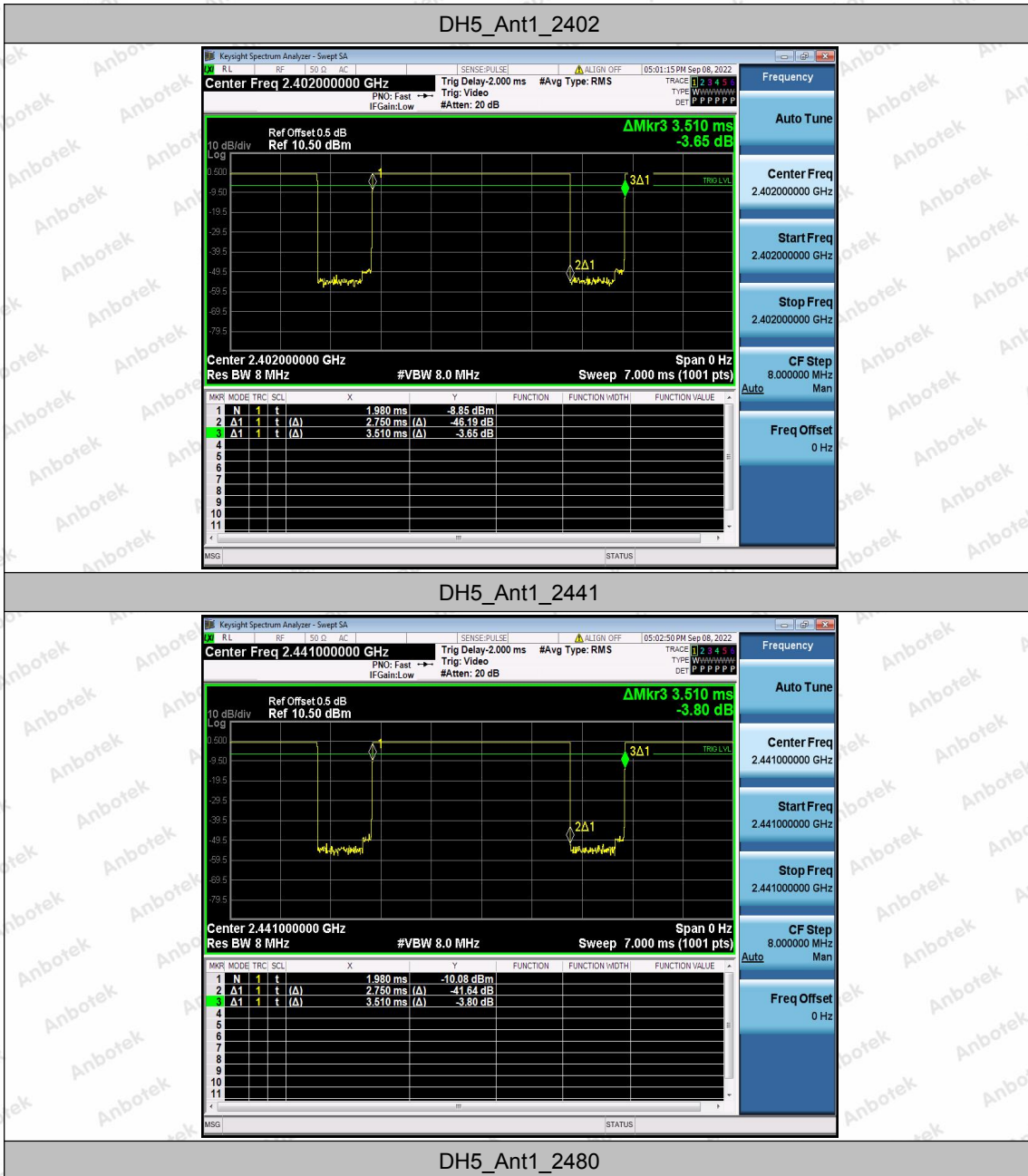
Appendix I: Duty Cycle

Test Result

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



Test Graphs

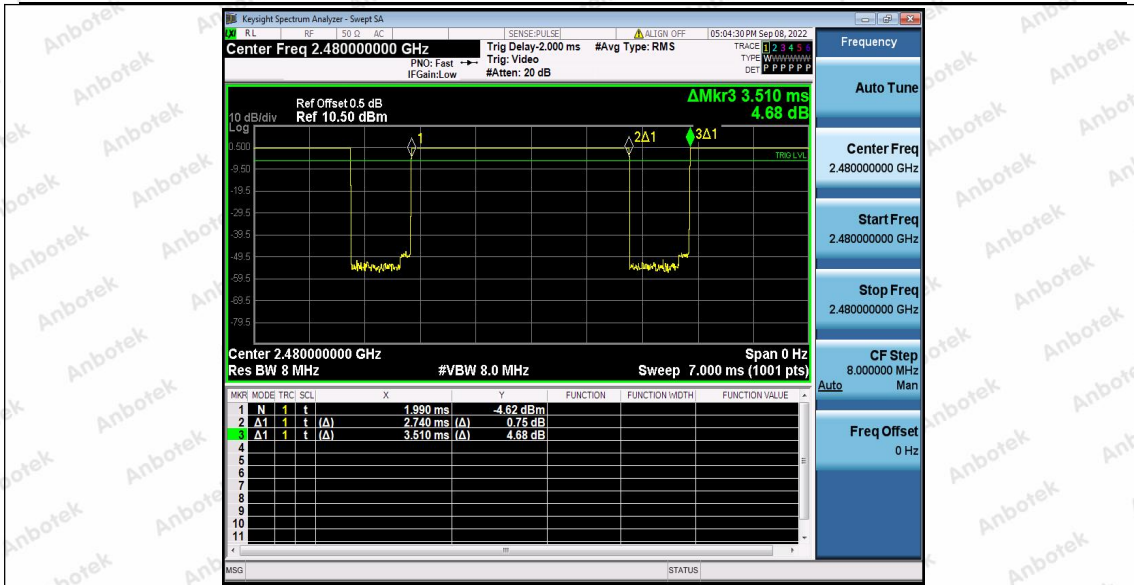


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