

Appendix Test Data

Report No.:	18220WC30122001	Test Sample No.:	1-2-2
Start Test Date:	2023.06.19	Finish Test Date:	2023.06.26
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	25.3℃	Relative Humidity:	46%
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.987	2401.484	2402.471	---	---
		2441	1.035	2440.505	2441.540	---	---
		2480	1.050	2479.496	2480.546	---	---



Test Graphs



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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	0.97563	2401.5251	2402.5007	---	---
		2441	0.96783	2440.5282	2441.4961	---	---
		2480	0.93583	2479.5168	2480.4526	---	---

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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	0.06	≤20.97	PASS
		2441	-0.27	≤20.97	PASS
		2480	-0.69	≤20.97	PASS



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

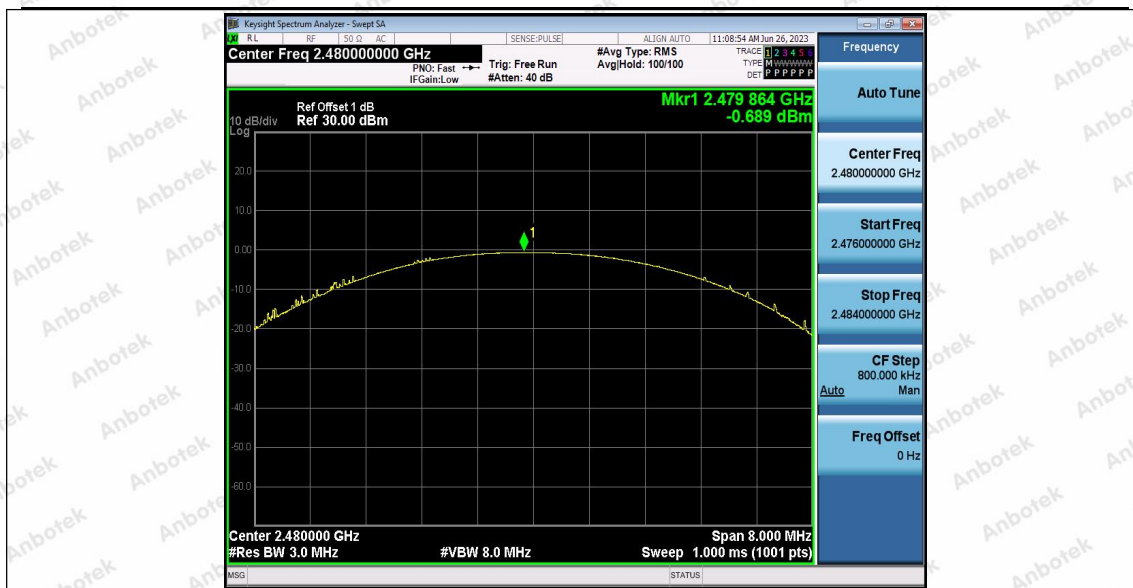
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥0.700	PASS

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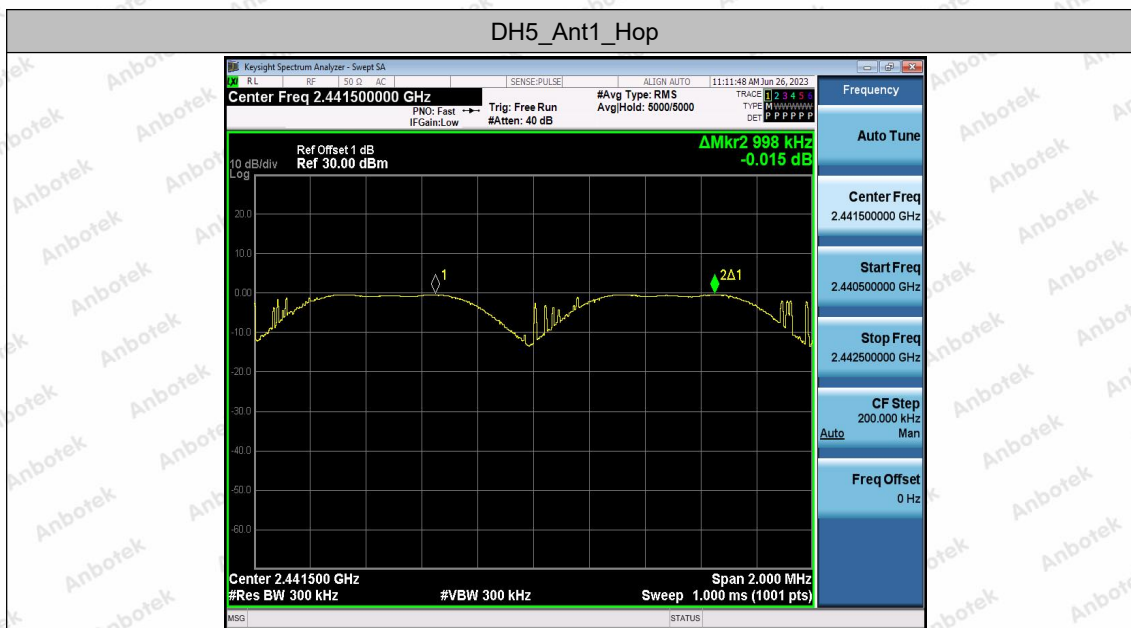
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Test Graphs



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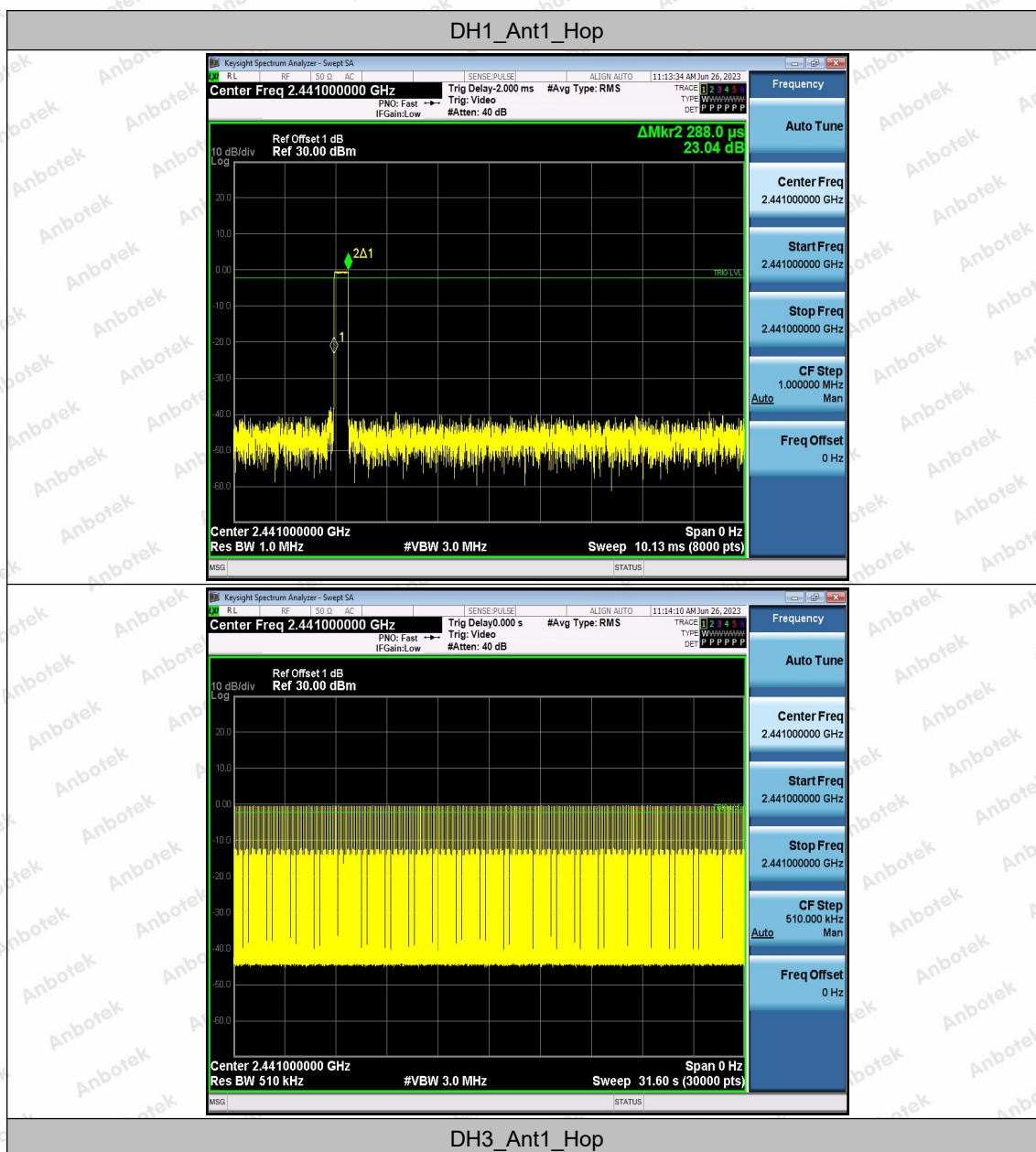
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.288	366	0.105	≤0.4	PASS
DH3	Ant1	Hop	0.288	366	0.105	≤0.4	PASS
DH5	Ant1	Hop	2.788	111	0.309	≤0.4	PASS



Test Graphs



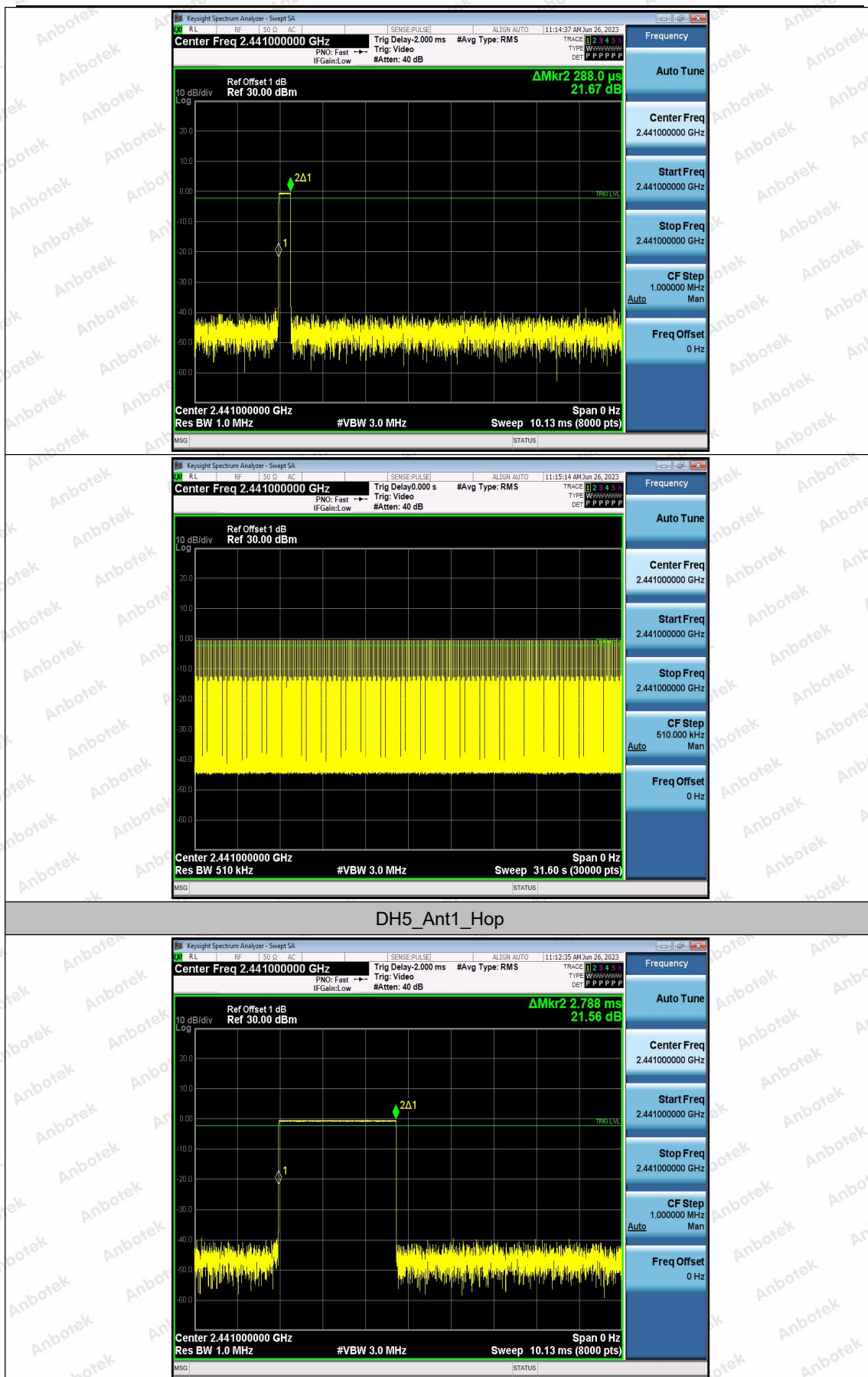
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DH5_Ant1_Hop

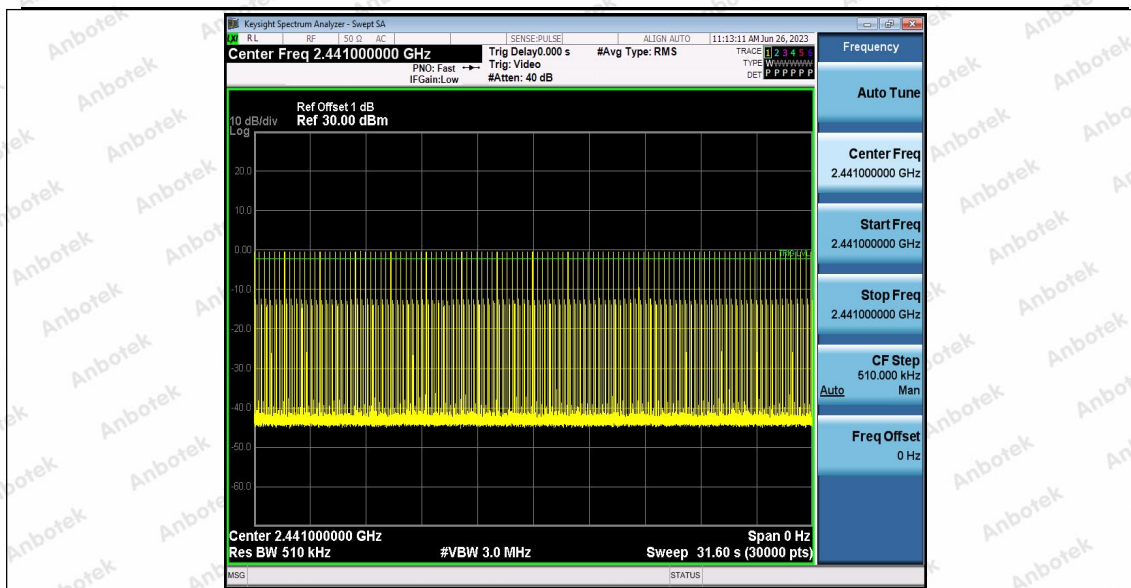
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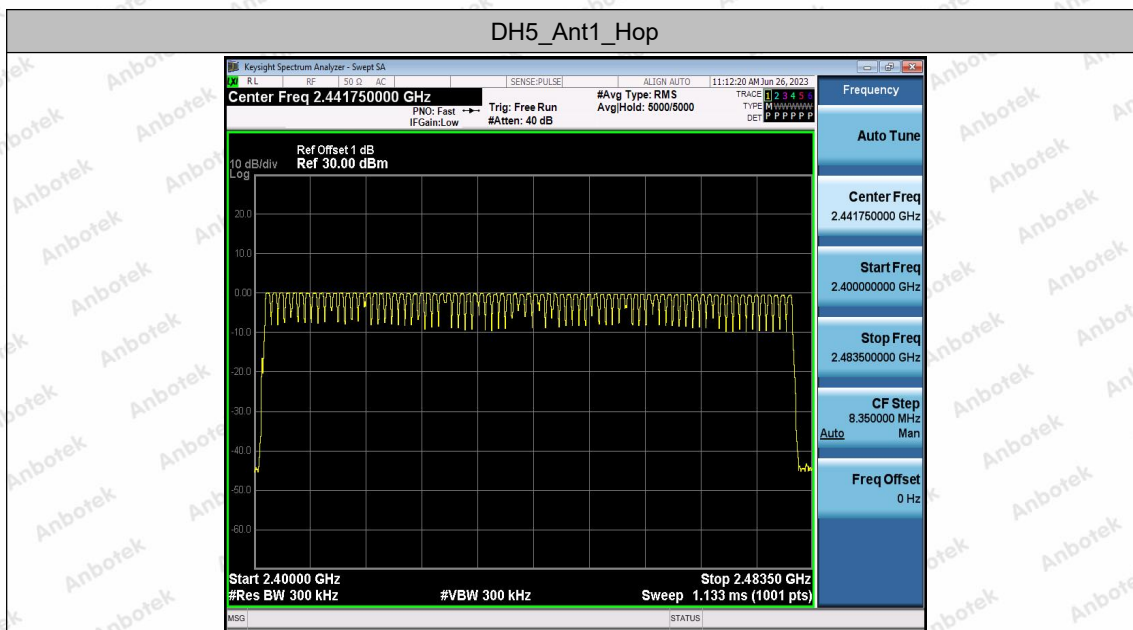
Appendix F: Number of hopping channels

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

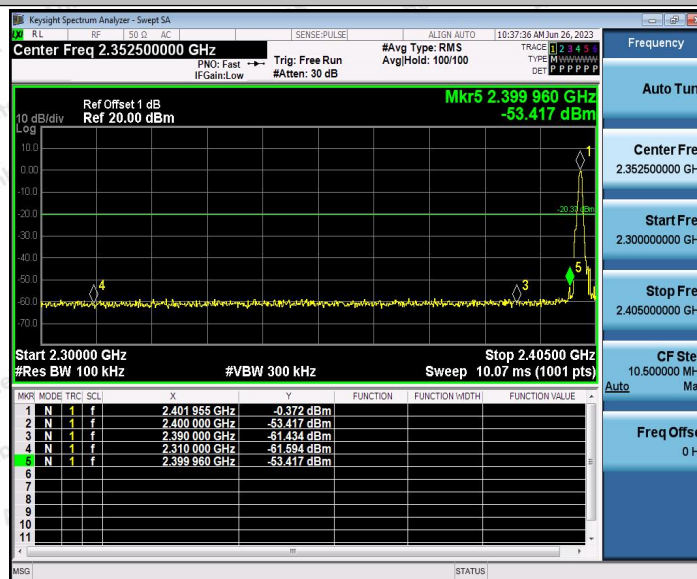
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.37	-53.42	≤-20.37	PASS
		High	2480	-1.19	-57.62	≤-21.19	PASS
		Low	Hop_2402	-0.43	-55.81	≤-20.43	PASS
		High	Hop_2480	-1.01	-56.55	≤-21.01	PASS

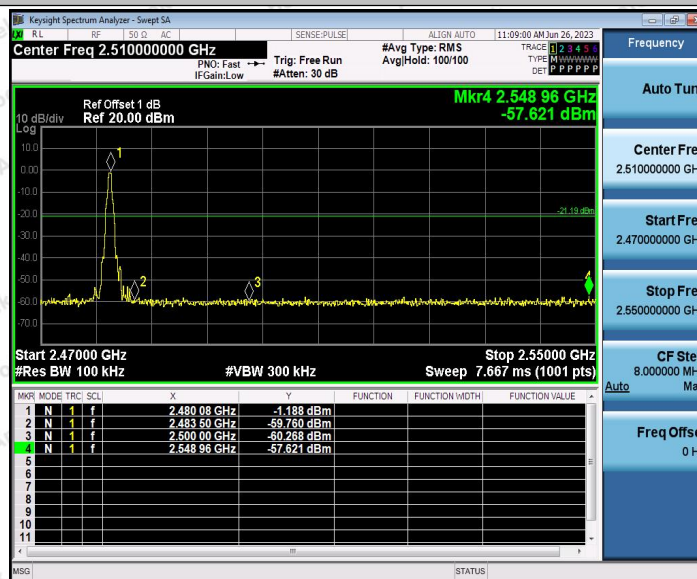


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

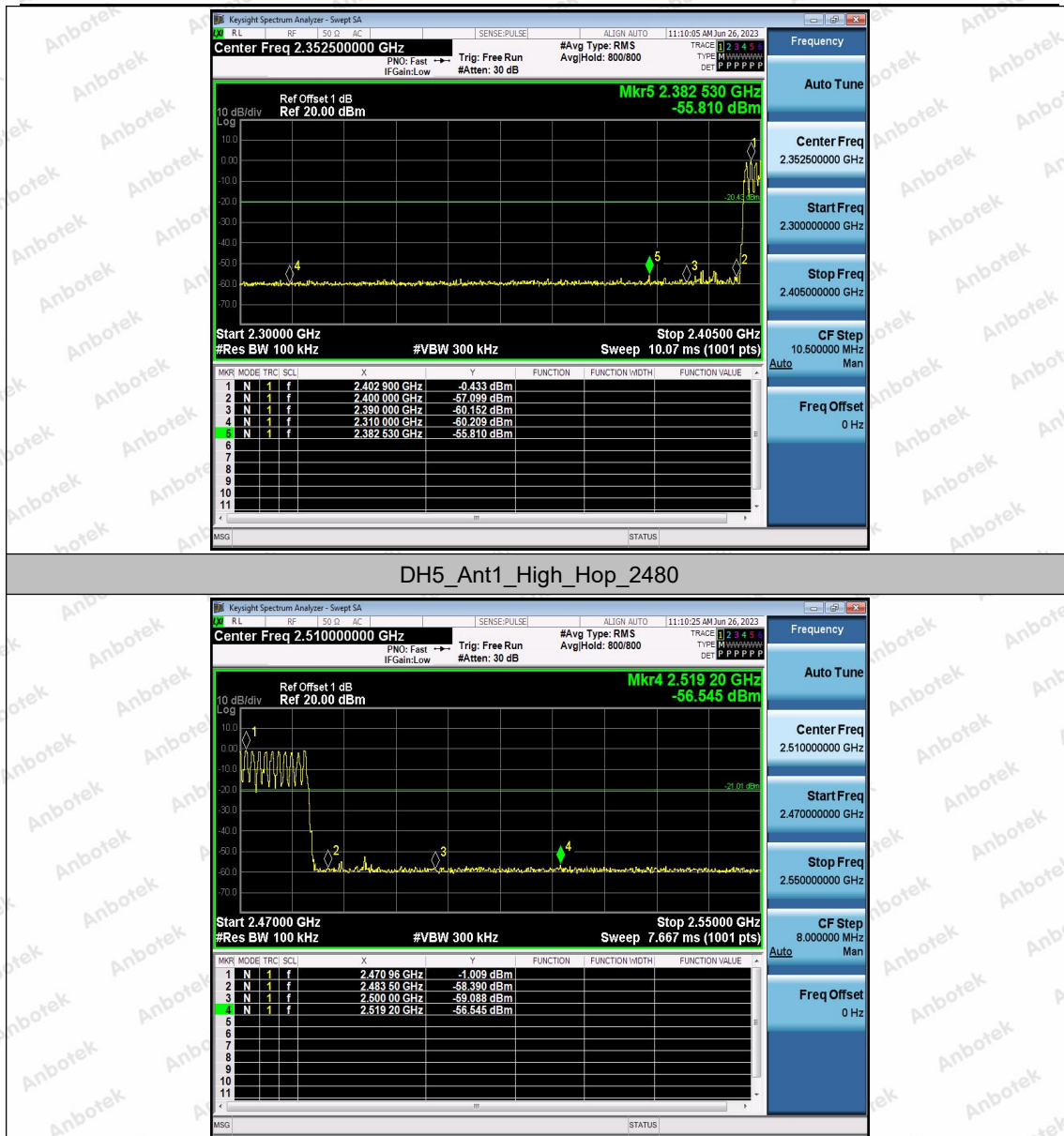
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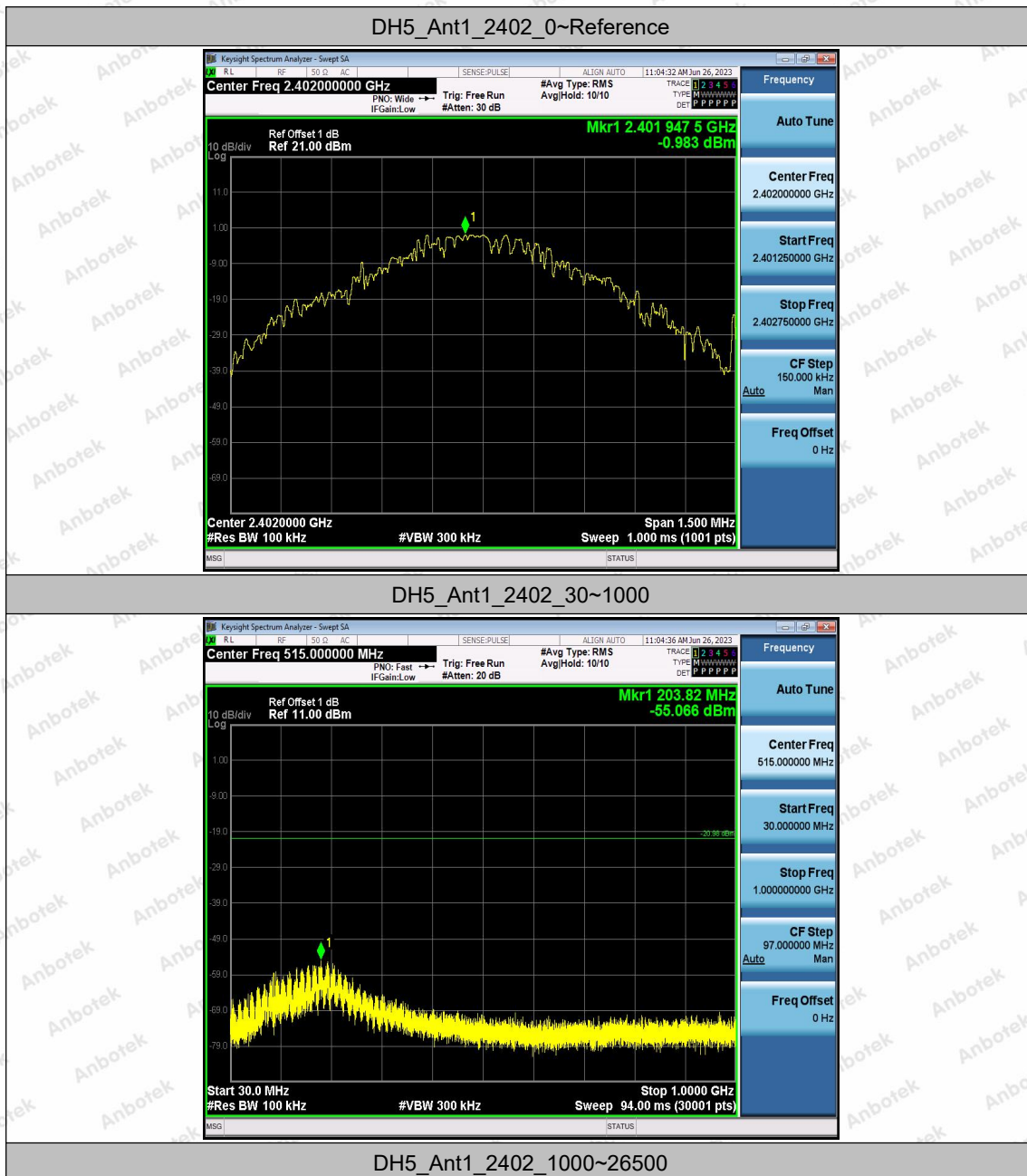
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-55.07	≤-20.98	PASS
			1000~26500	-0.98	-53.58	≤-20.98	PASS
		2441	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-55.41	≤-21.05	PASS
			1000~26500	-1.05	-53.17	≤-21.05	PASS
		2480	Reference	-1.59	-1.59	---	PASS
			30~1000	-1.59	-55.43	≤-21.59	PASS
			1000~26500	-1.59	-53.41	≤-21.59	PASS



Test Graphs



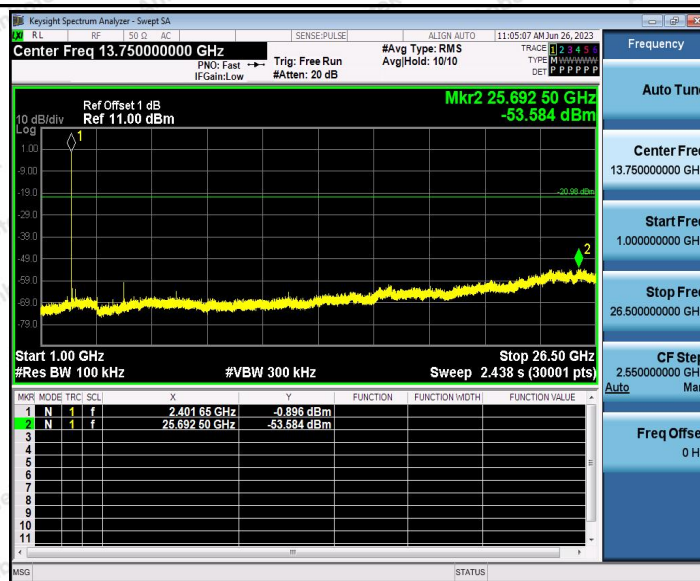
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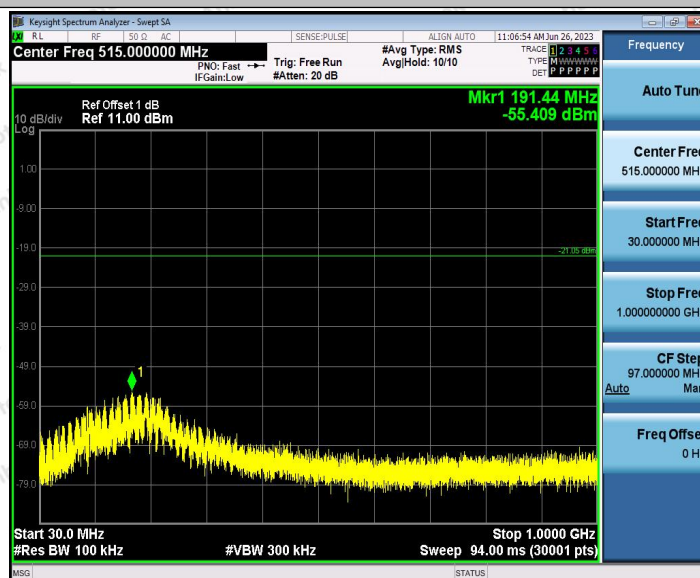




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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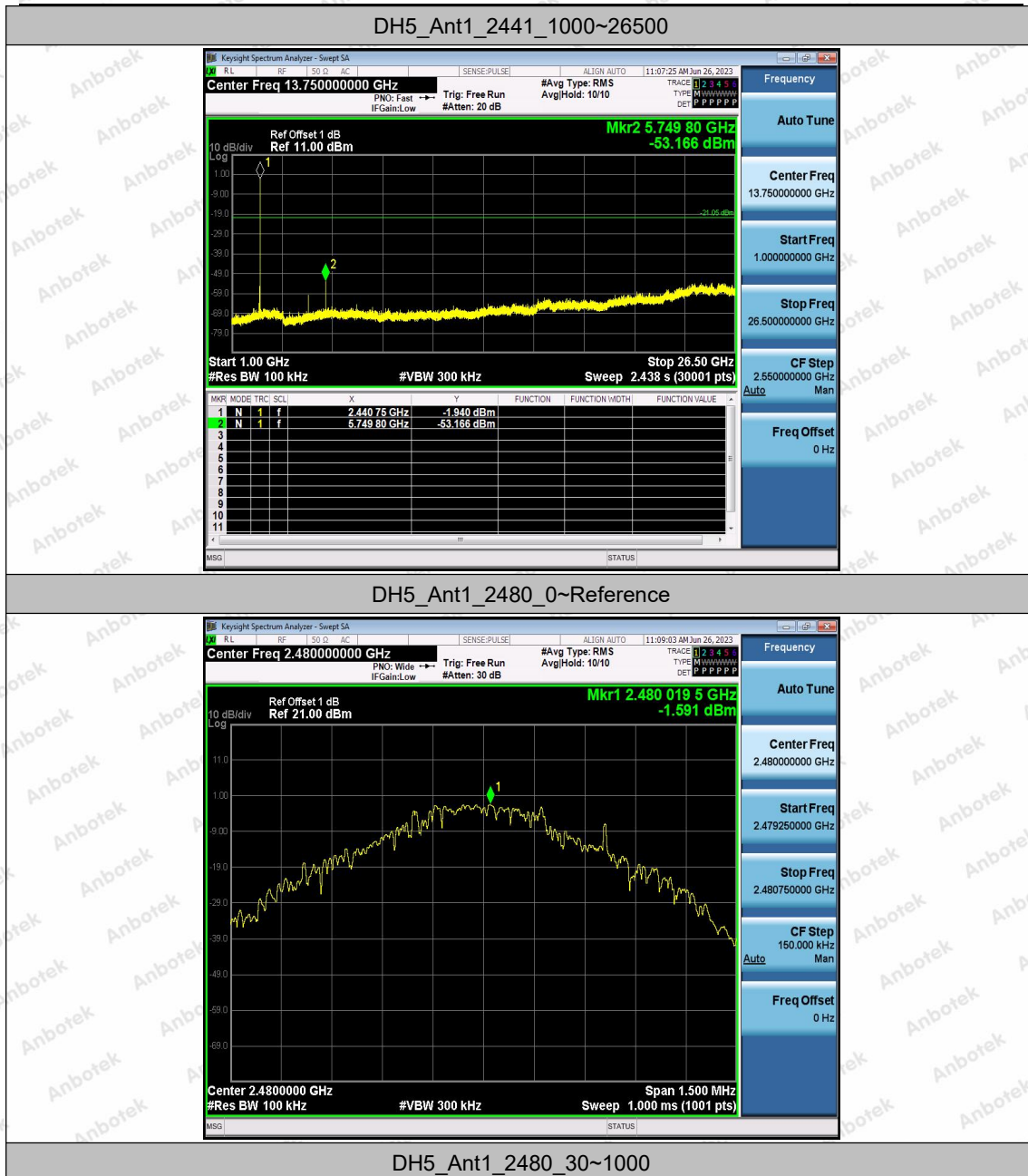


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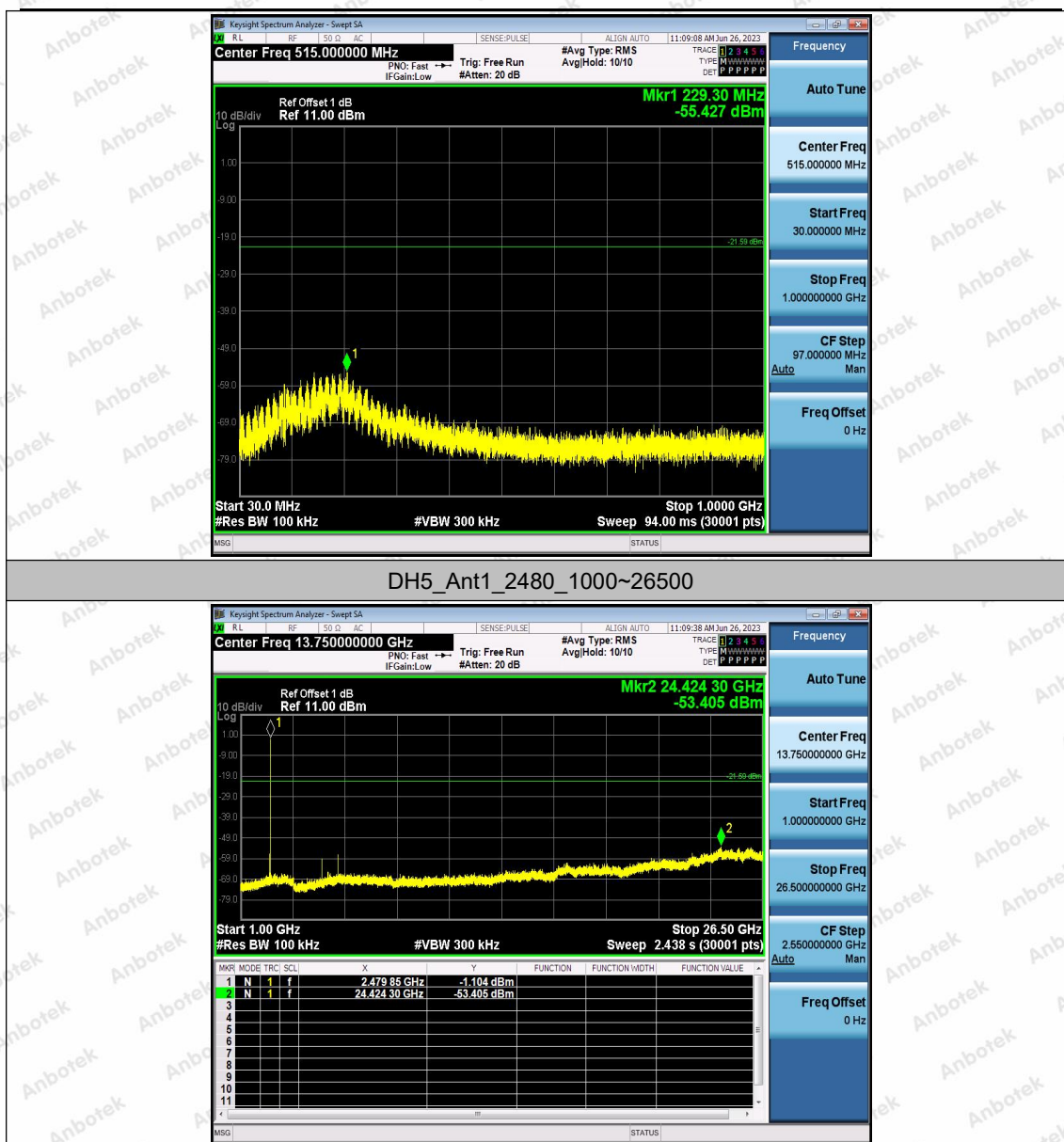
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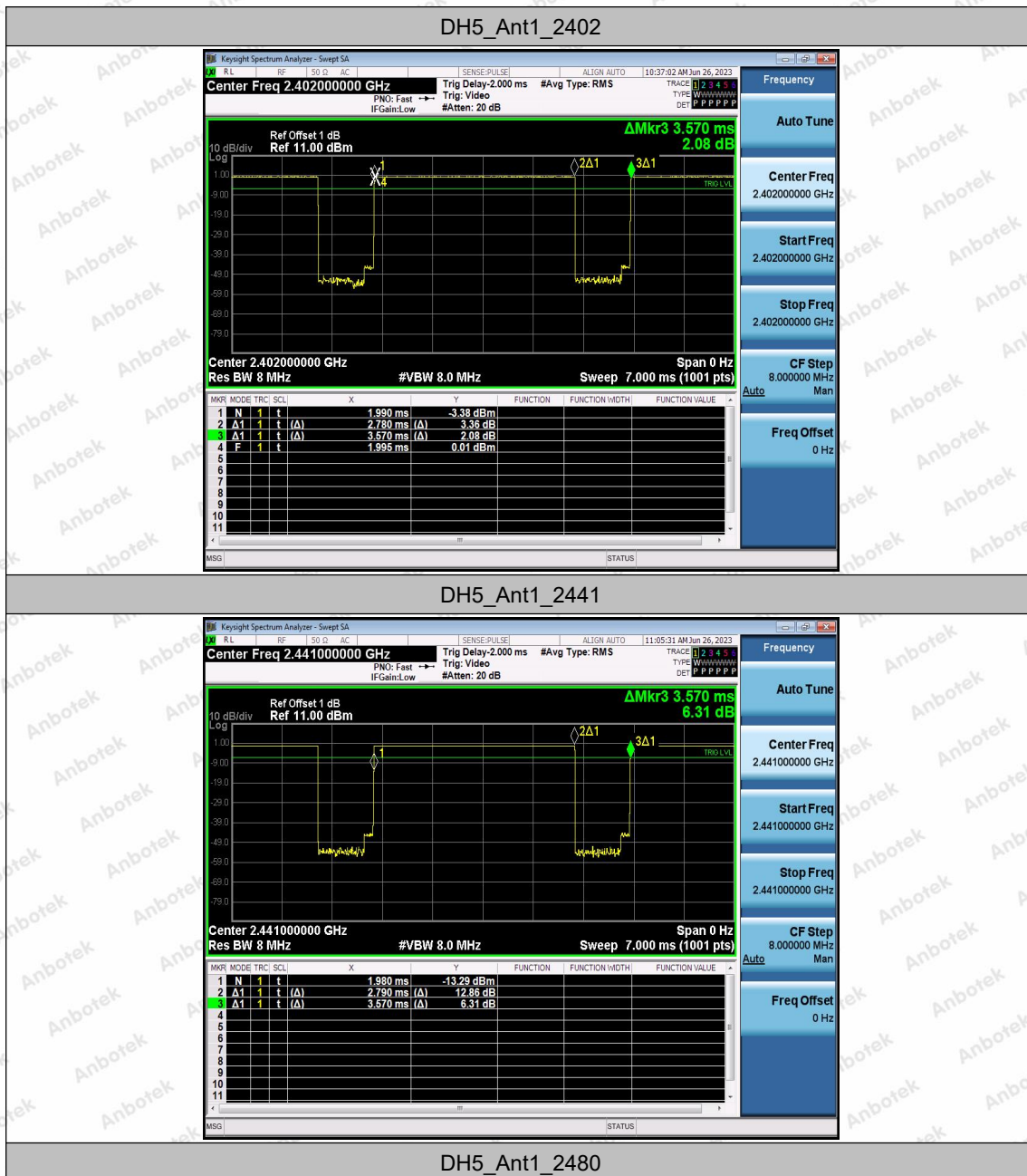
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.78	3.57	77.87	1.09
		2441	2.79	3.57	78.15	1.07
		2480	2.78	3.56	78.09	1.07



Test Graphs



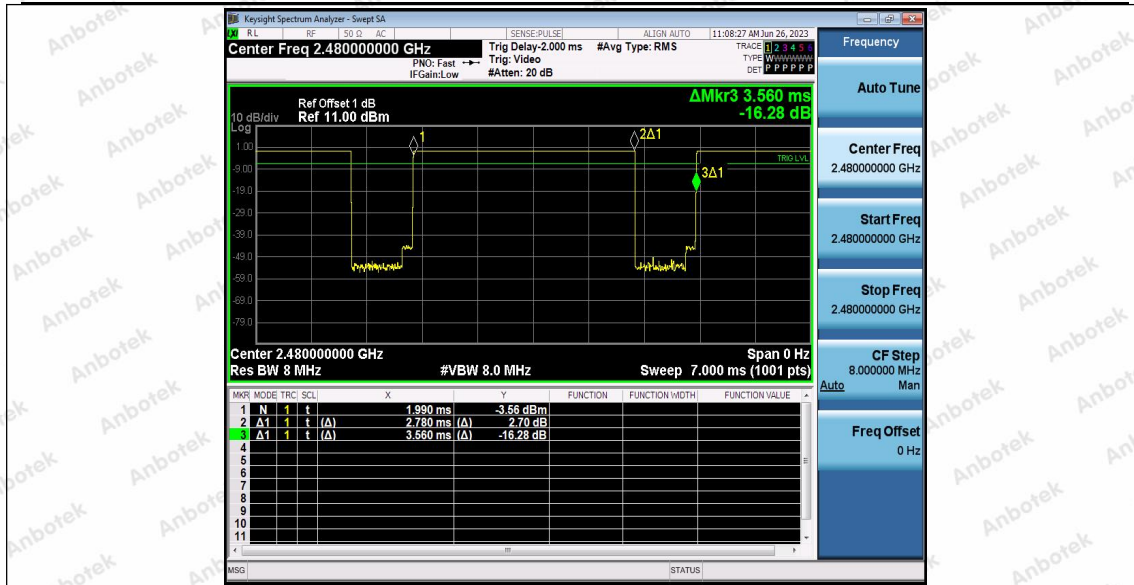
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