

Appendix Test Data

Report No.:	18220WC30012001	Test Sample No.:	1-2-2
Start Test Date:	2023.2.3	Finish Test Date:	2023.2.14
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3°C	Relative Humidity:	56 %
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	0.960	2401.541	2402.501	---	---
		2441	0.963	2440.538	2441.501	---	---
		2480	0.954	2479.541	2480.495	---	---

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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]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89096	2401.5644	2402.4553	---	---
		2441	0.89601	2440.5627	2441.4587	---	---
		2480	0.88183	2479.5656	2480.4474	---	---

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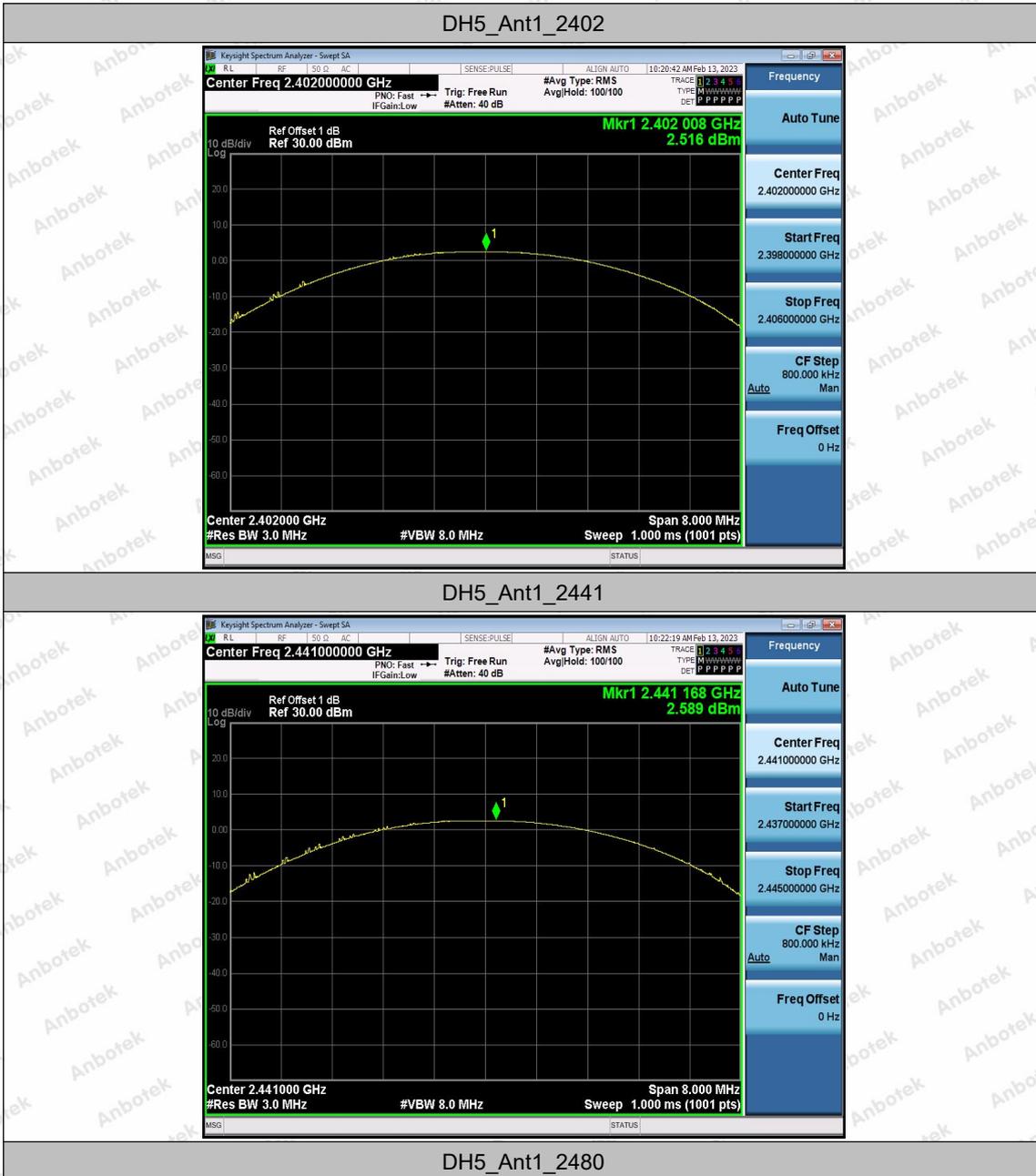
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.52	≤20.97	PASS
		2441	2.59	≤20.97	PASS
		2480	2.12	≤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	0.682	≥0.642	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	0.429	608	0.261	≤0.4	PASS
DH3	Ant1	Hop	1.549	168	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.789	110	0.307	≤0.4	PASS

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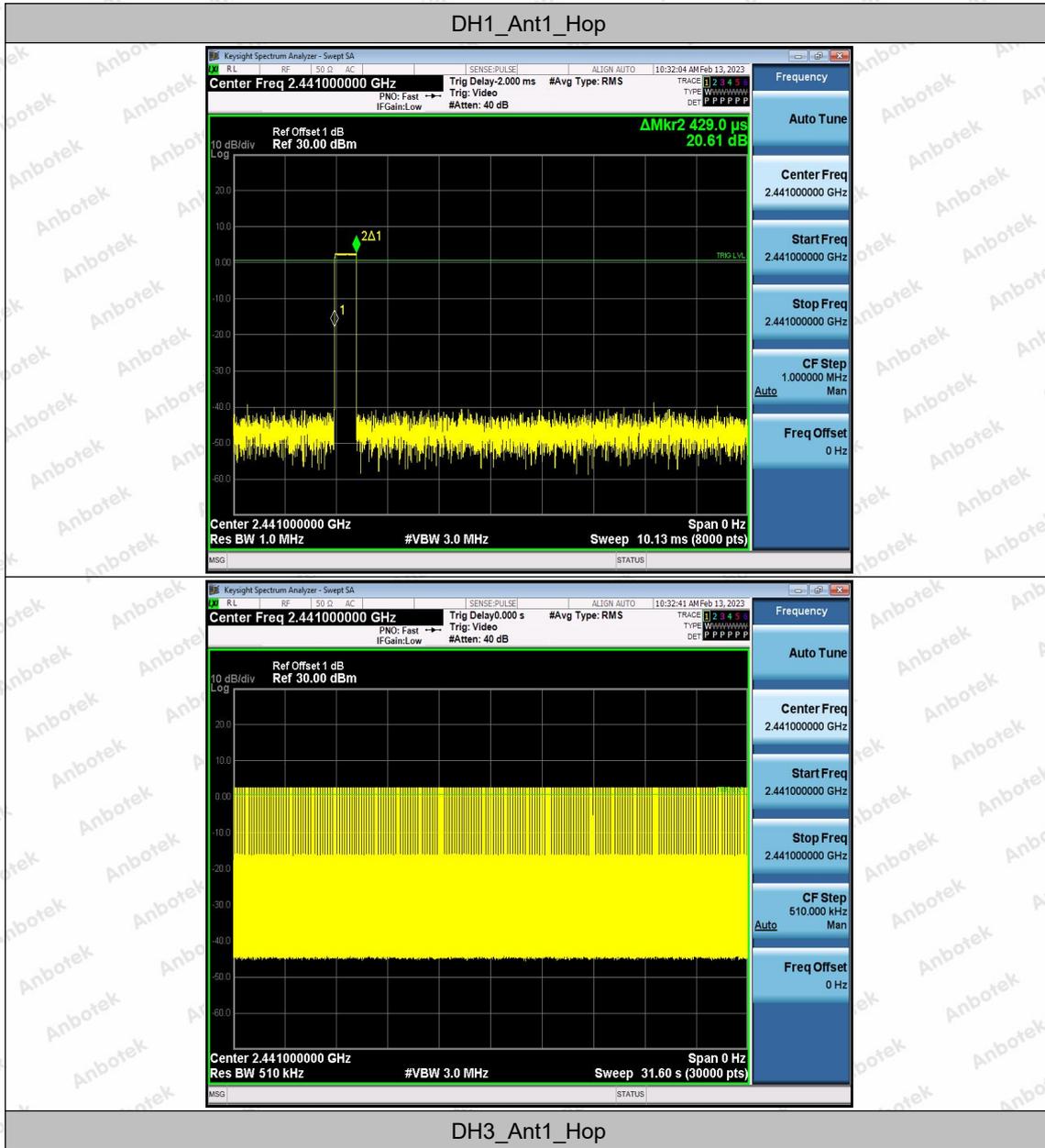
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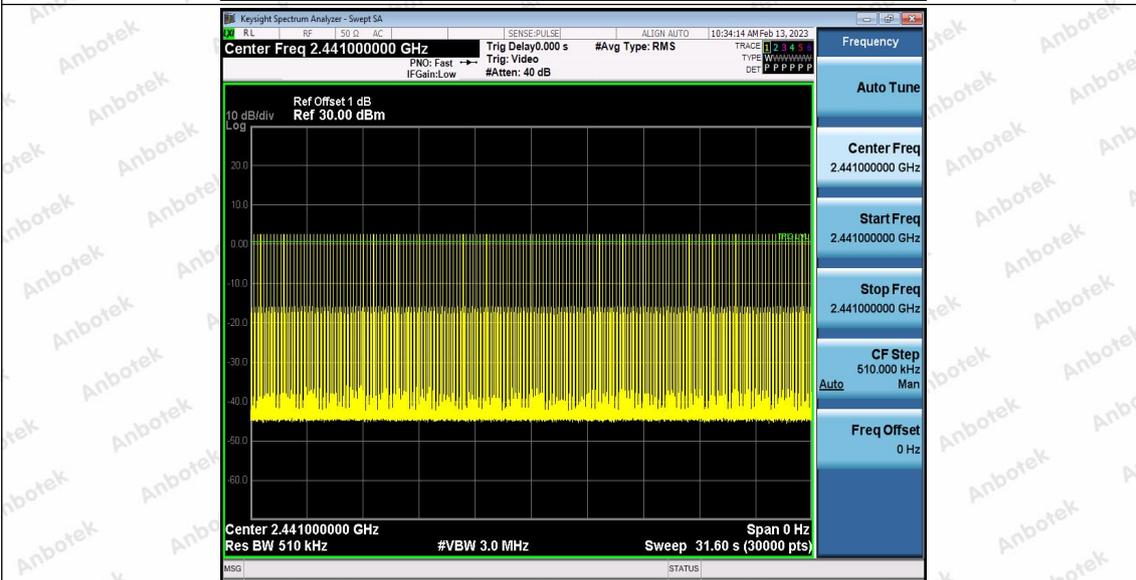
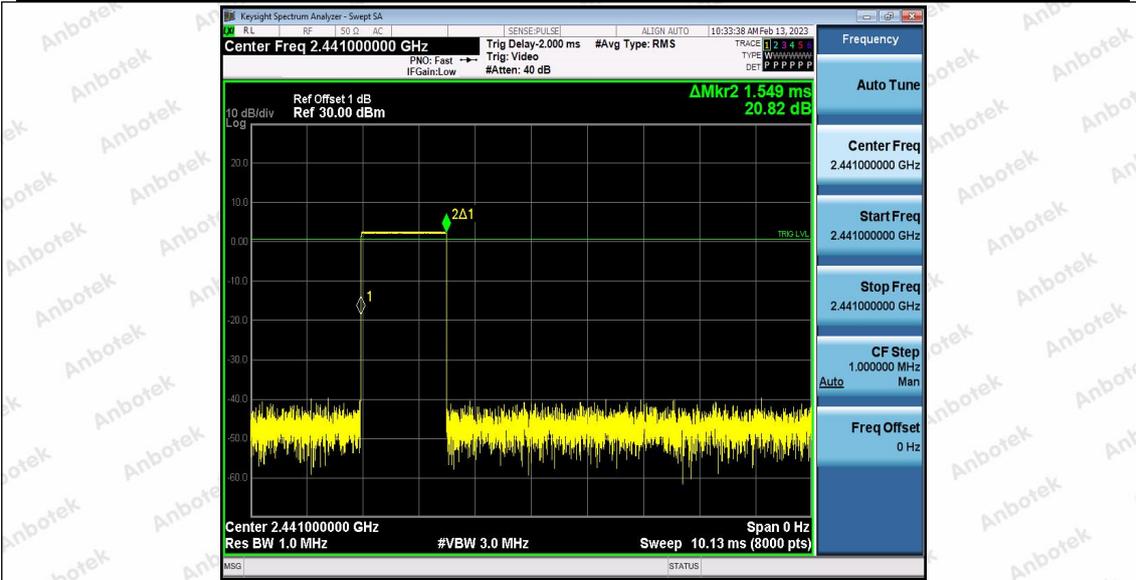


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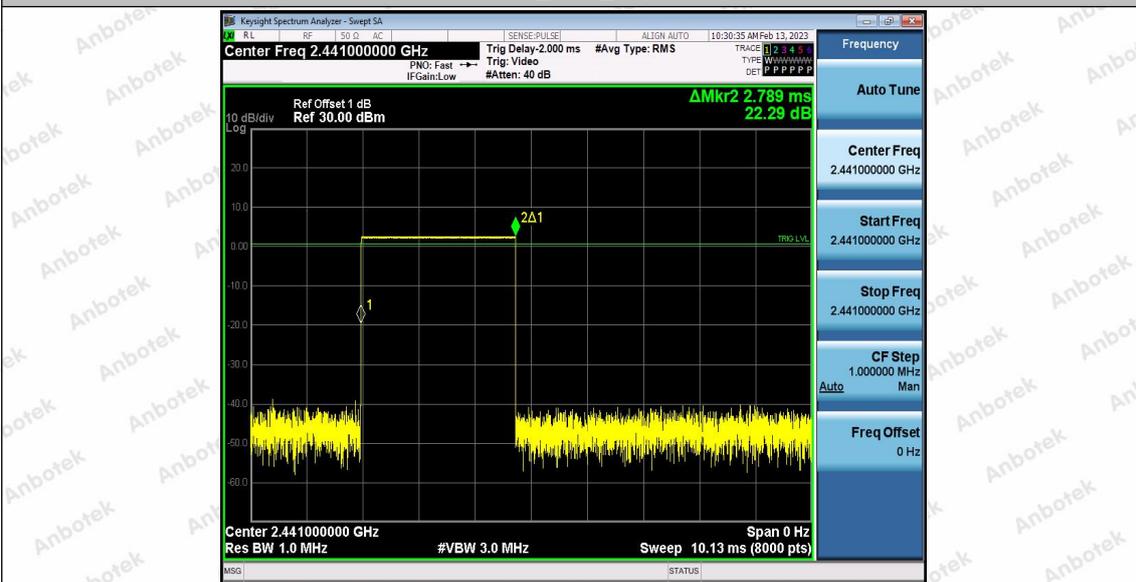
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DH5_Ant1_Hop

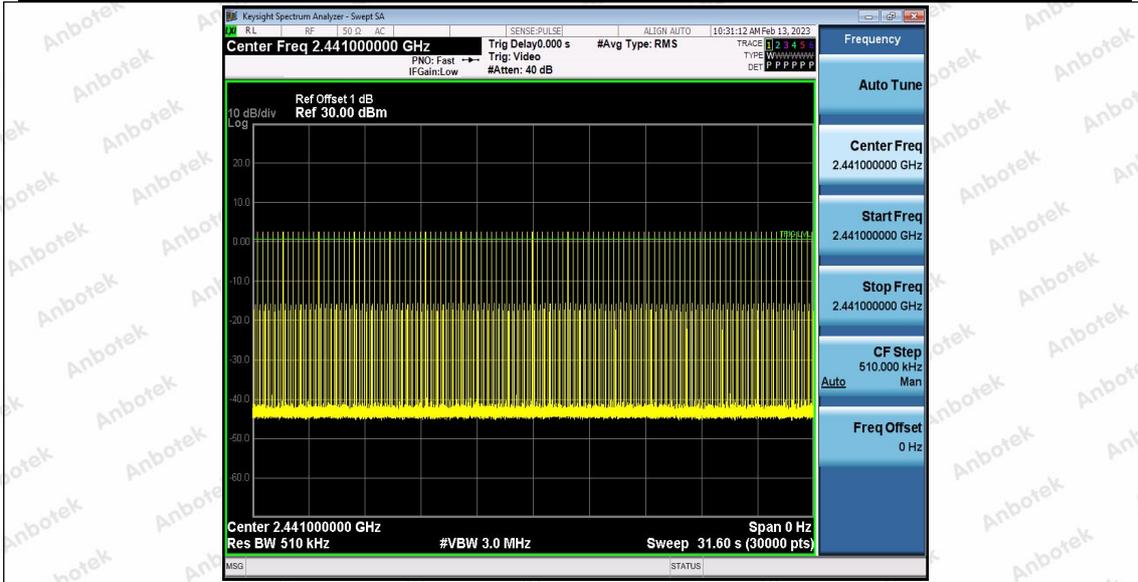


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Appendix F: Number of hopping channels

Test Result

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



Test Graphs



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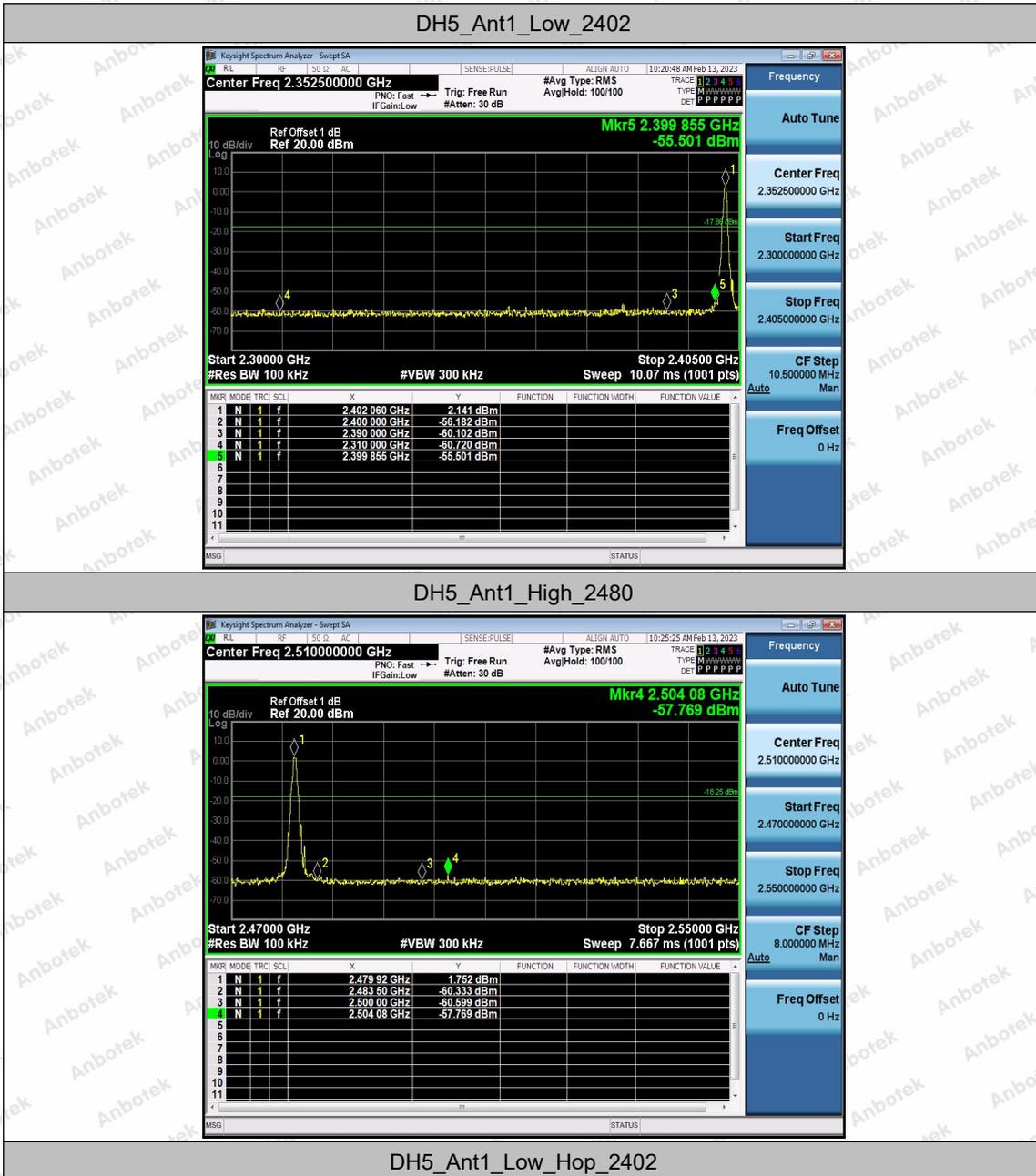
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.14	-55.5	≤-17.86	PASS
		High	2480	1.75	-57.77	≤-18.25	PASS
		Low	Hop_2402	2.15	-56.9	≤-17.85	PASS
		High	Hop_2480	1.92	-56.51	≤-18.09	PASS



Test Graphs

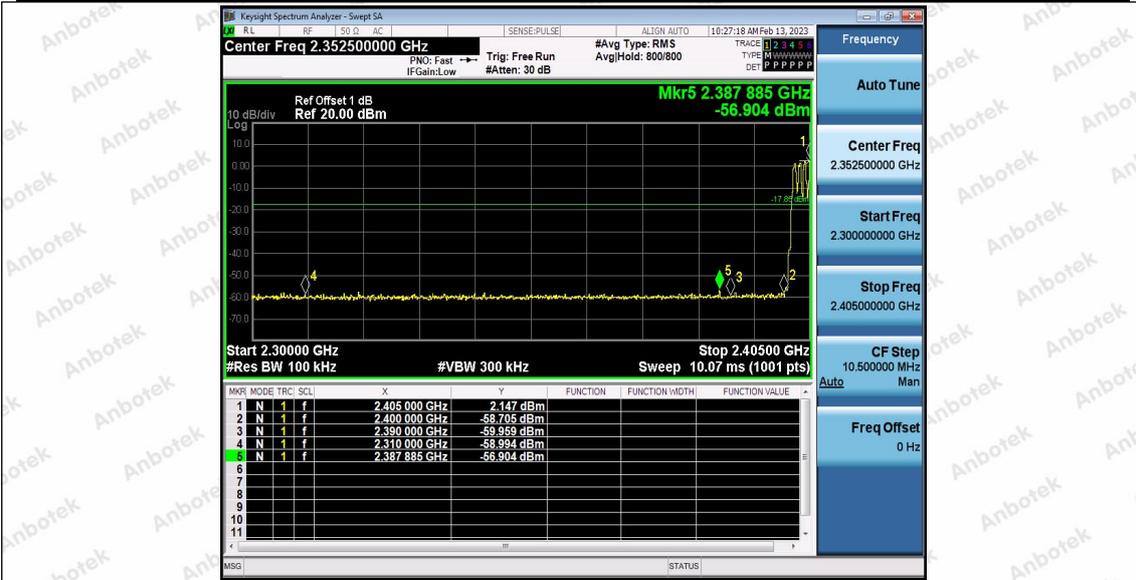


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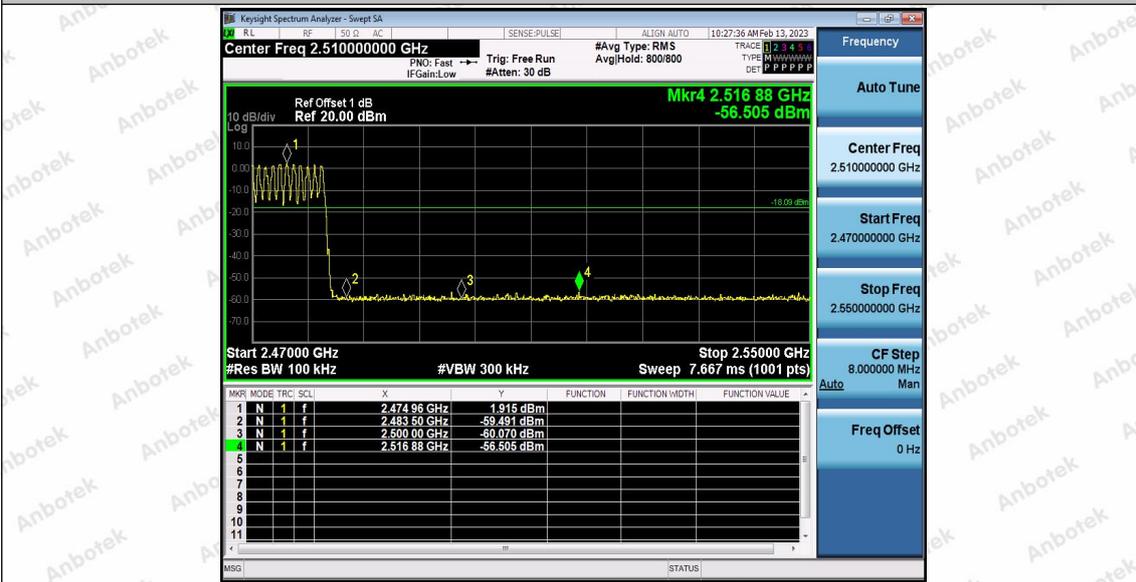
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DH5_Ant1_High_Hop_2480



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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	1.78	1.78	---	PASS
			30~1000	1.78	-67.15	≤-18.22	PASS
			1000~26500	1.78	-43.67	≤-18.22	PASS
		2441	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-67.61	≤-18.05	PASS
			1000~26500	1.95	-43.84	≤-18.05	PASS
		2480	Reference	1.27	1.27	---	PASS
			30~1000	1.27	-67.38	≤-18.73	PASS
			1000~26500	1.27	-44.51	≤-18.73	PASS

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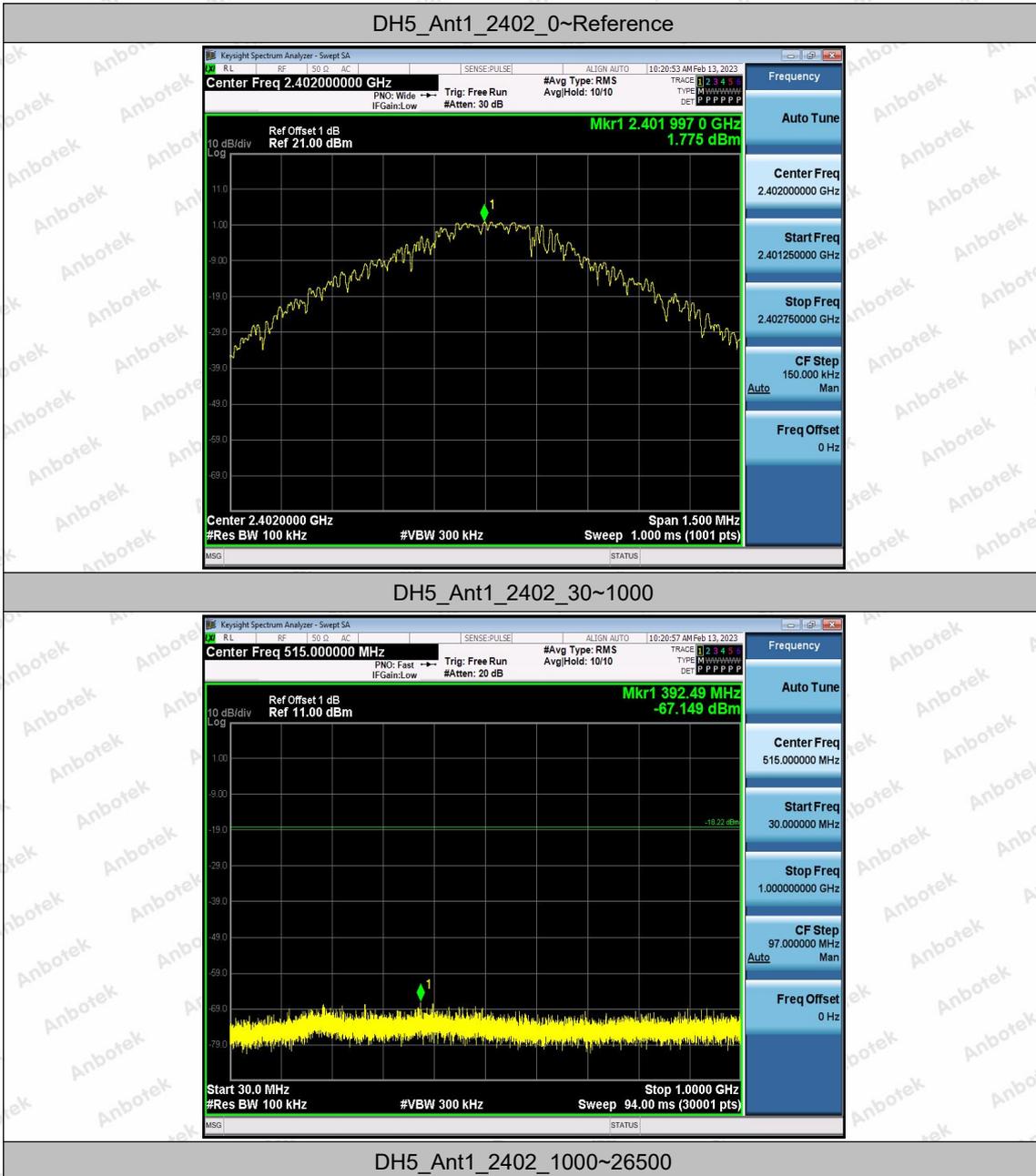
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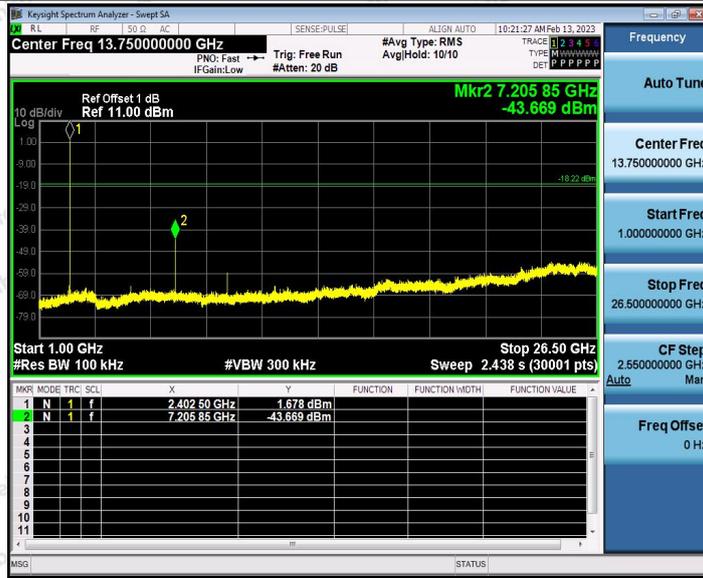


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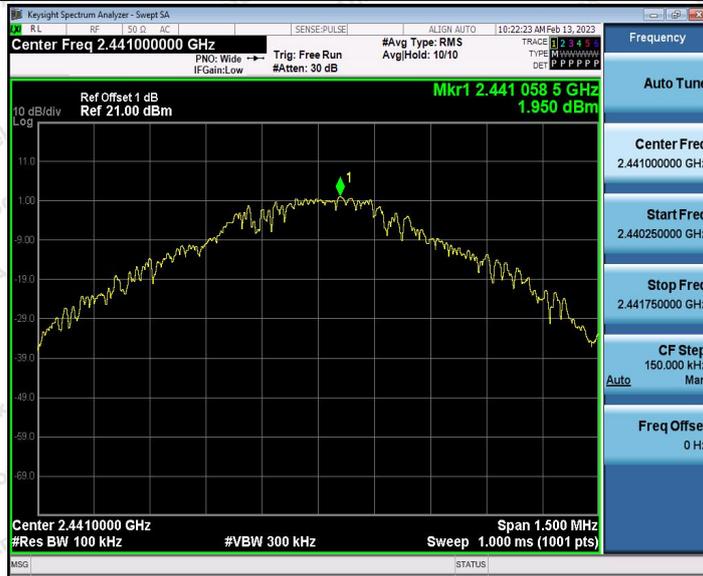
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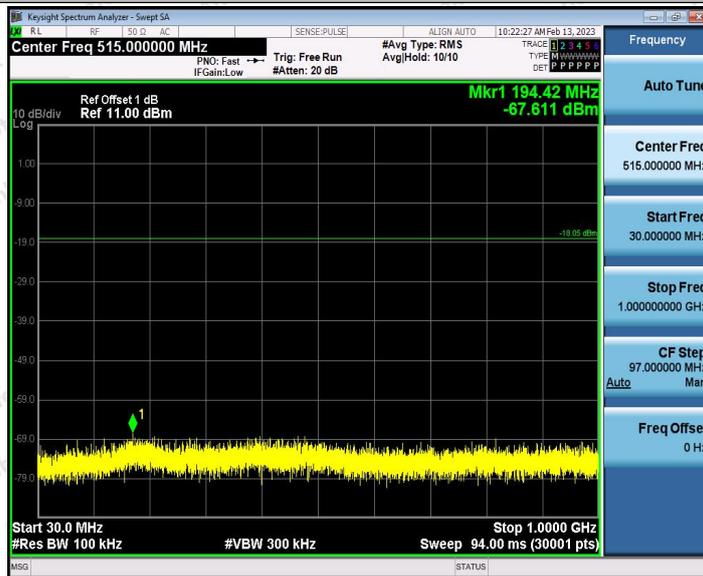




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

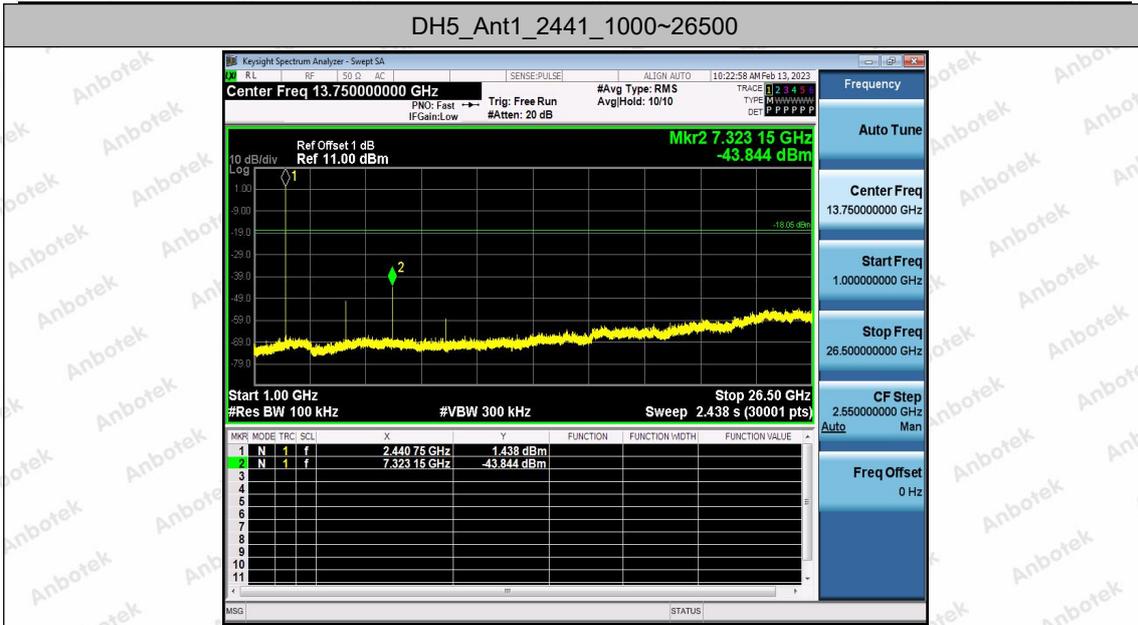


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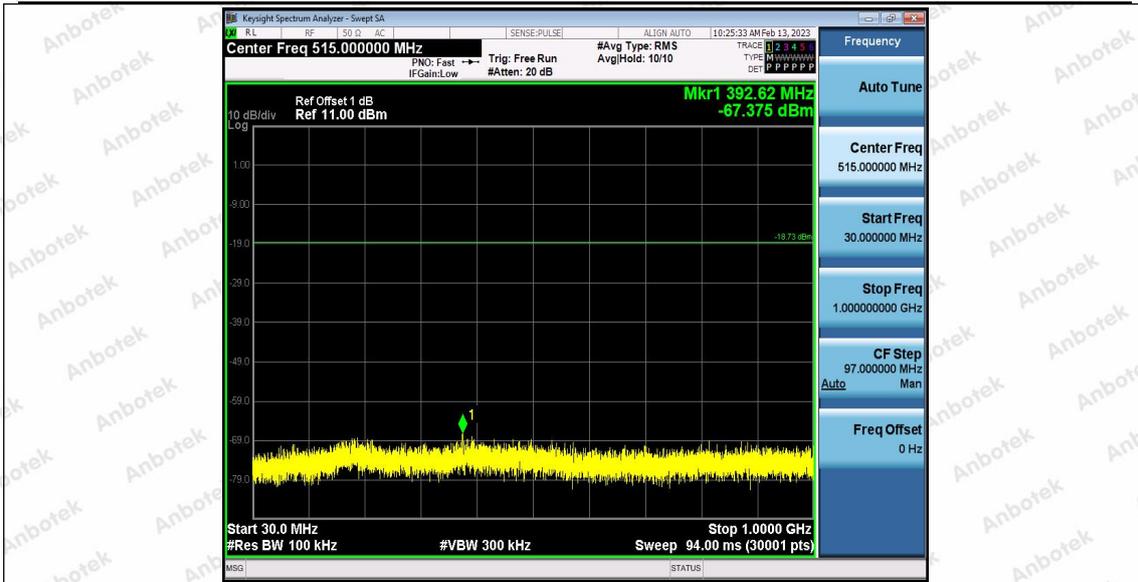
DH5_Ant1_2480_30~1000

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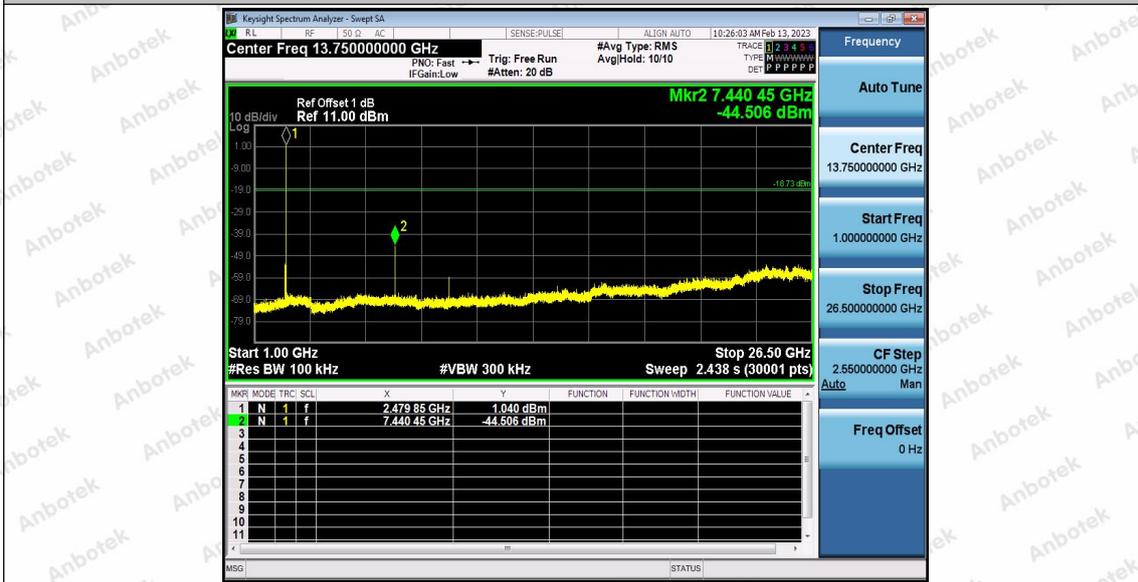
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DH5_Ant1_2480_1000~26500



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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	2.78	3.57	77.87	1.09
		2441	2.78	3.56	78.09	1.07
		2480	2.79	3.57	78.15	1.07

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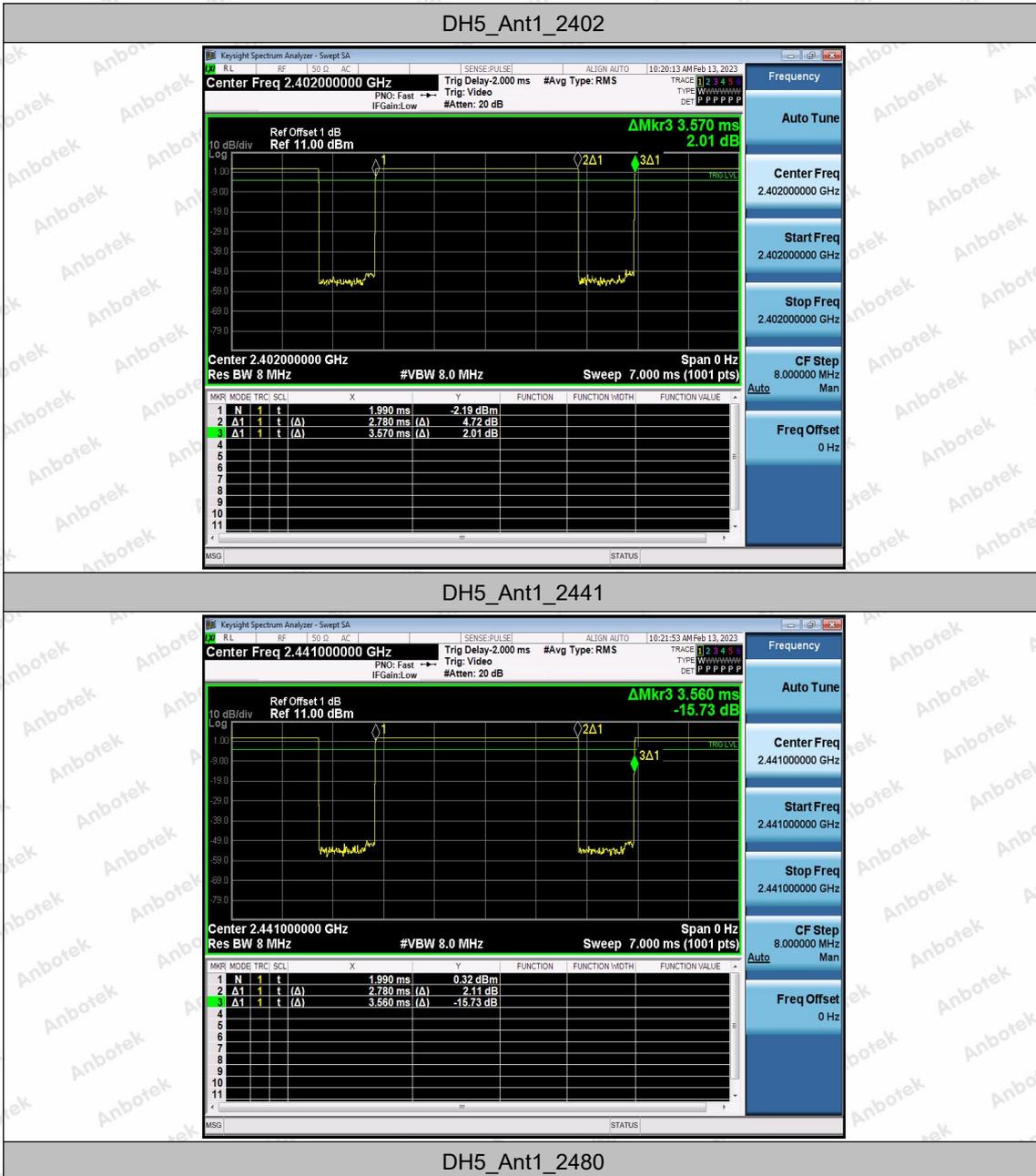
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