

Appendix Test Data

Report No.:	18220WC30111601	Test Sample No.:	1-2-2
Start Test Date:	2023.06.06	Finish Test Date:	2023.06.07
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.3℃	Relative Humidity:	47%
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.541	2402.495	---	---
		2441	0.951	2440.541	2441.492	---	---
		2480	0.951	2479.541	2480.492	---	---
2DH5	Ant1	2402	1.281	2401.370	2402.651	---	---
		2441	1.308	2440.346	2441.654	---	---
		2480	1.284	2479.370	2480.654	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

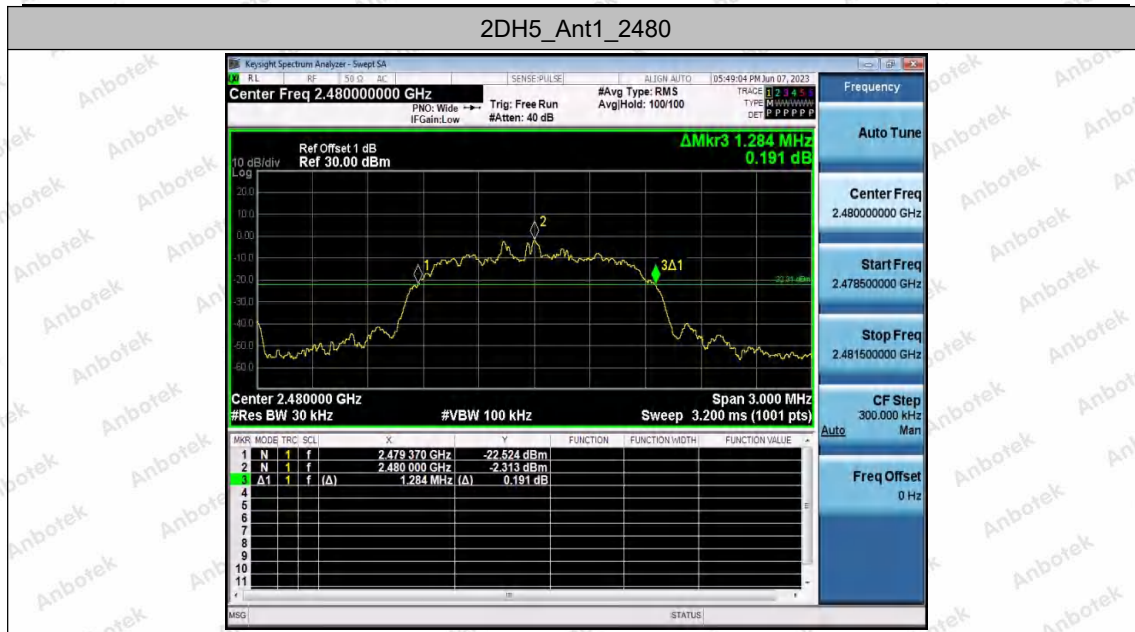


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86496	2401.5710	2402.4360	---	---
		2441	0.86749	2440.5703	2441.4378	---	---
		2480	0.85240	2479.5739	2480.4263	---	---
2DH5	Ant1	2402	1.1854	2401.4068	2402.5922	---	---
		2441	1.1721	2440.4136	2441.5857	---	---
		2480	1.1787	2479.4121	2480.5908	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



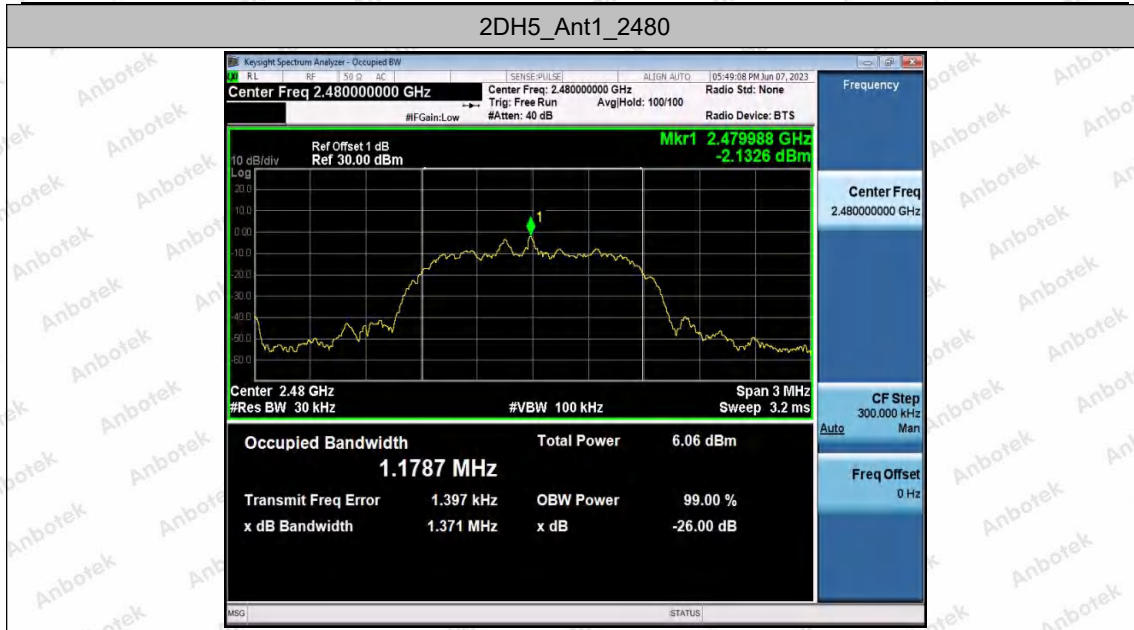
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.01	≤20.97	PASS
		2441	0.33	≤20.97	PASS
		2480	0.1	≤20.97	PASS
2DH5	Ant1	2402	0.87	≤20.97	PASS
		2441	1.25	≤20.97	PASS
		2480	1.04	≤20.97	PASS



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

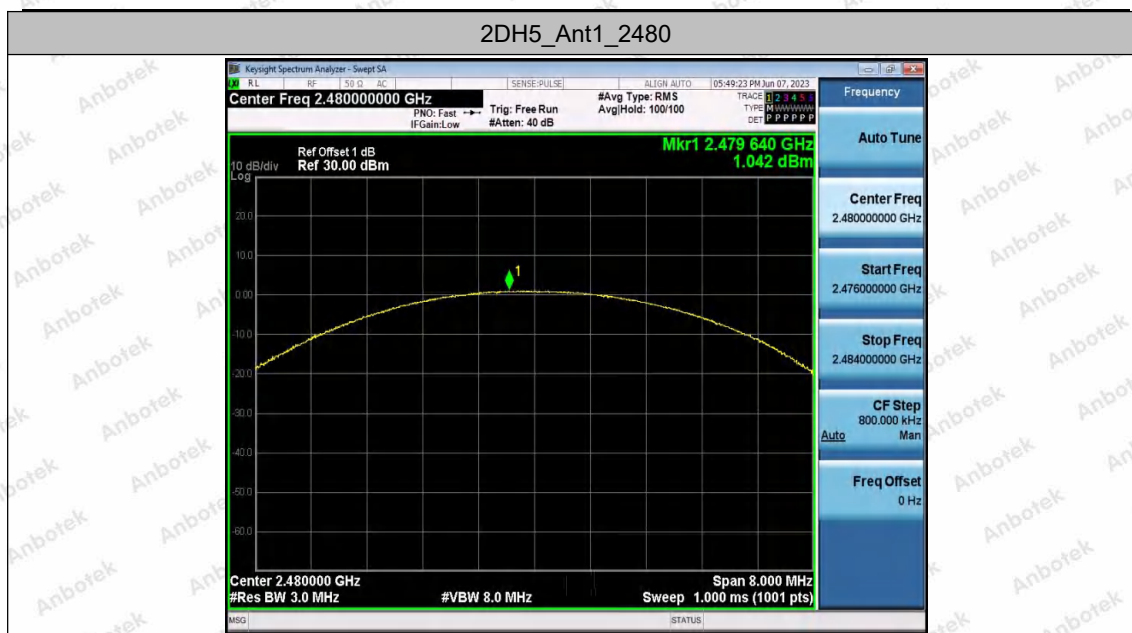
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.954	PASS
2DH5	Ant1	Hop	0.984	≥0.872	PASS



Test Graphs



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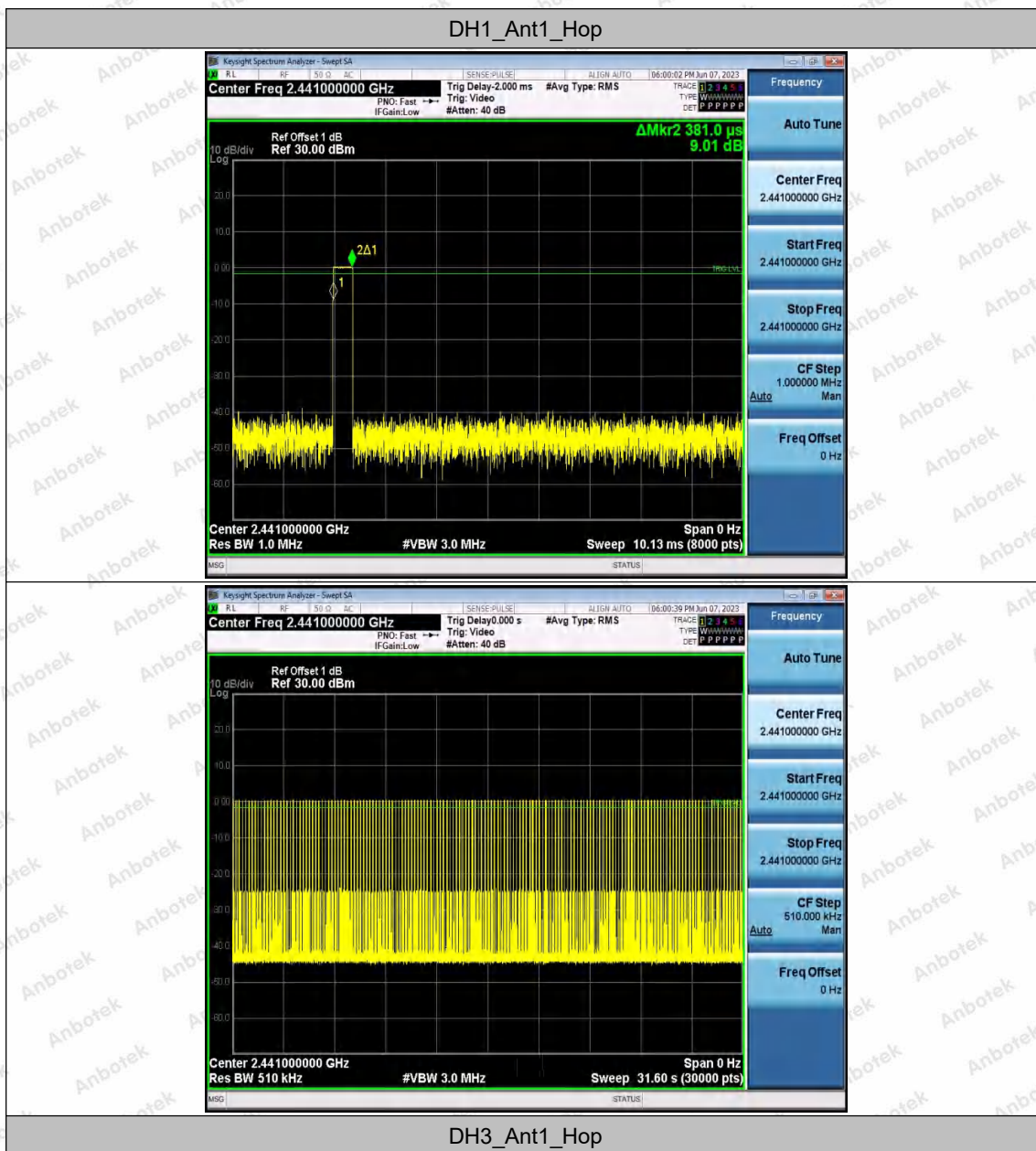
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	318	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.638	159	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.885	108	0.312	≤0.4	PASS
2DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.643	156	0.256	≤0.4	PASS
2DH5	Ant1	Hop	2.891	113	0.327	≤0.4	PASS



Test Graphs



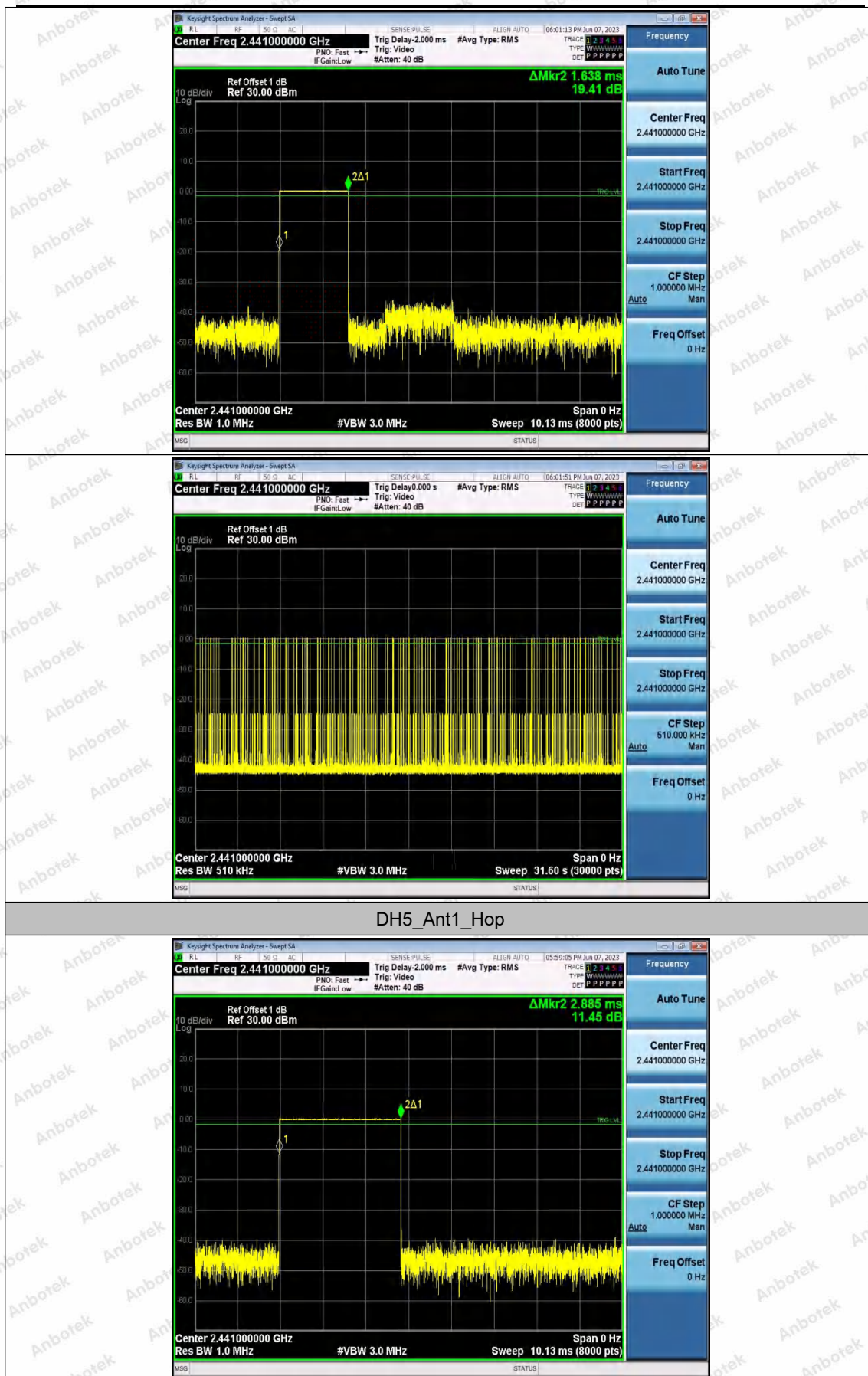
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DH5_Ant1_Hop

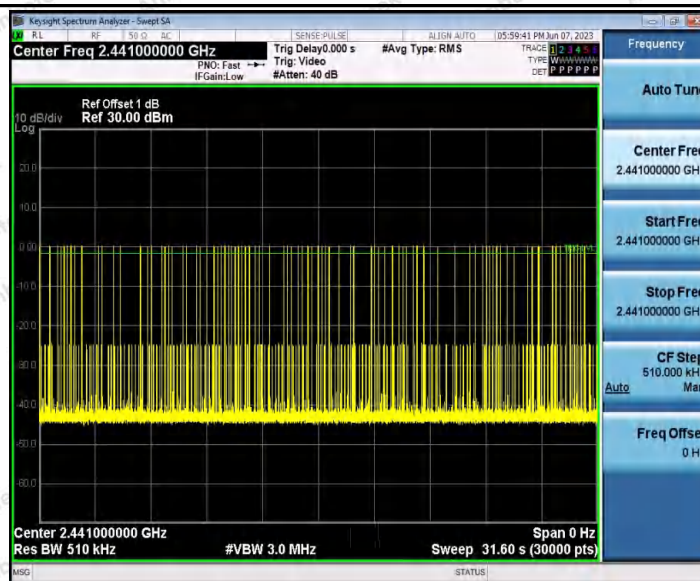
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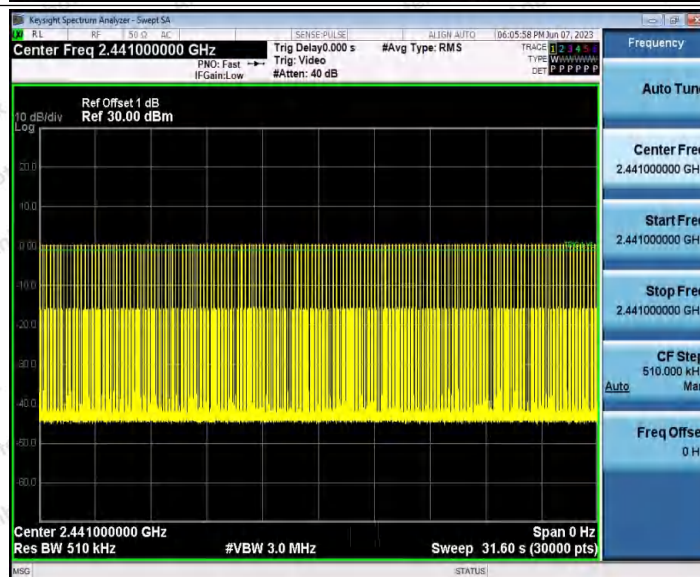
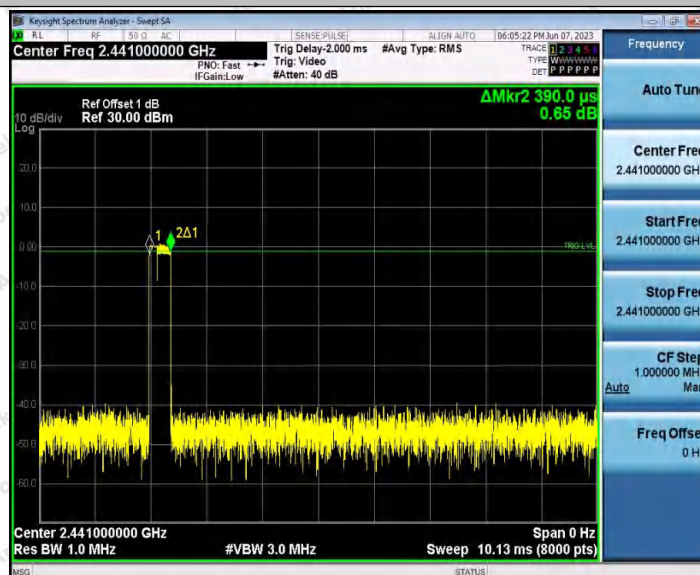


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

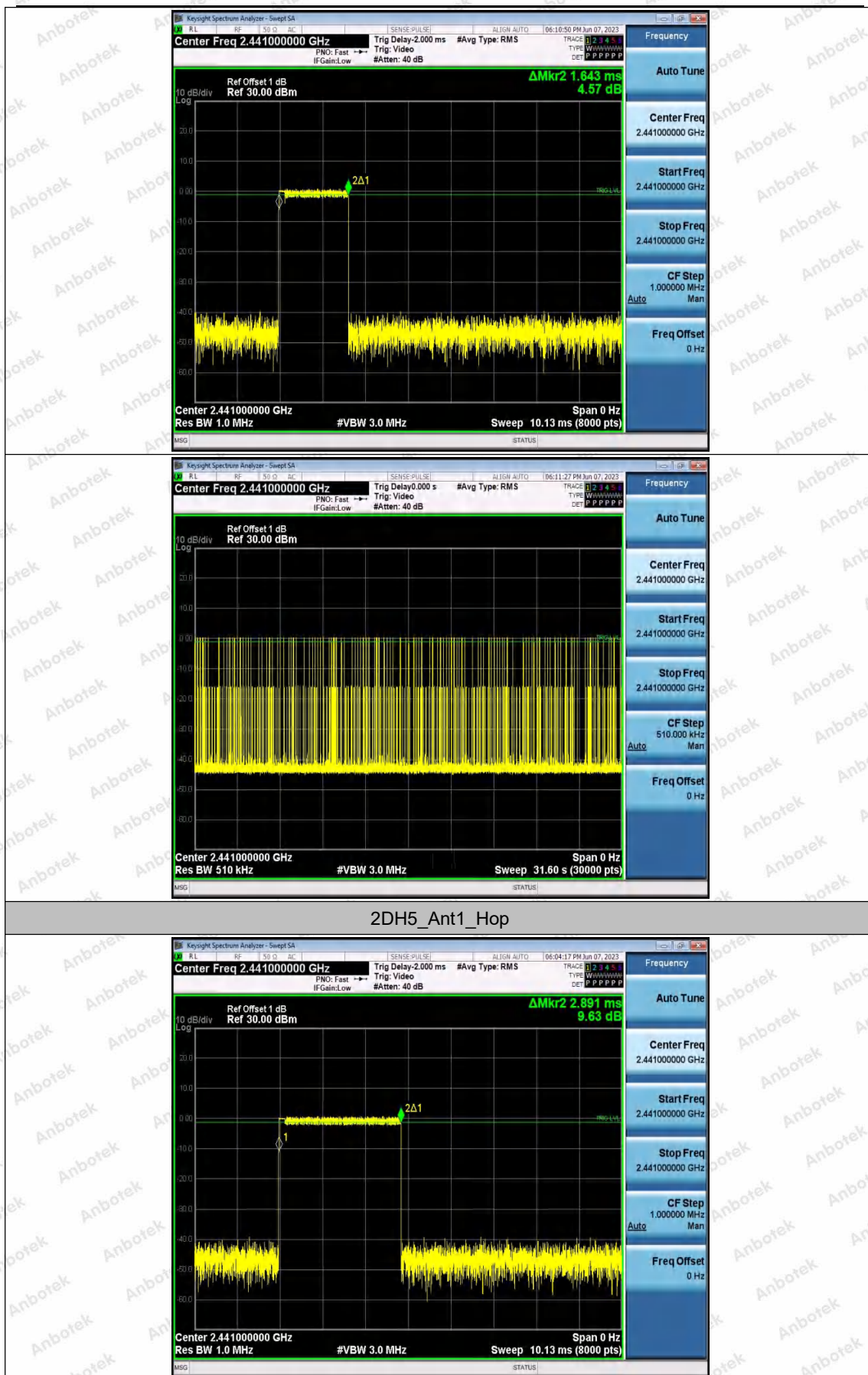
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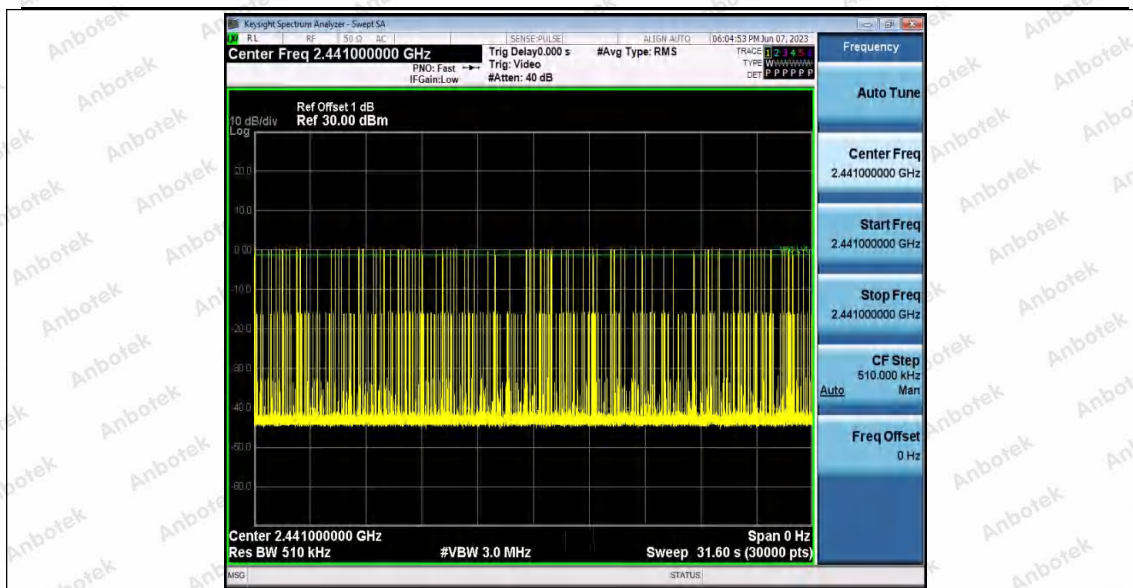
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Appendix F: Number of hopping channels

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

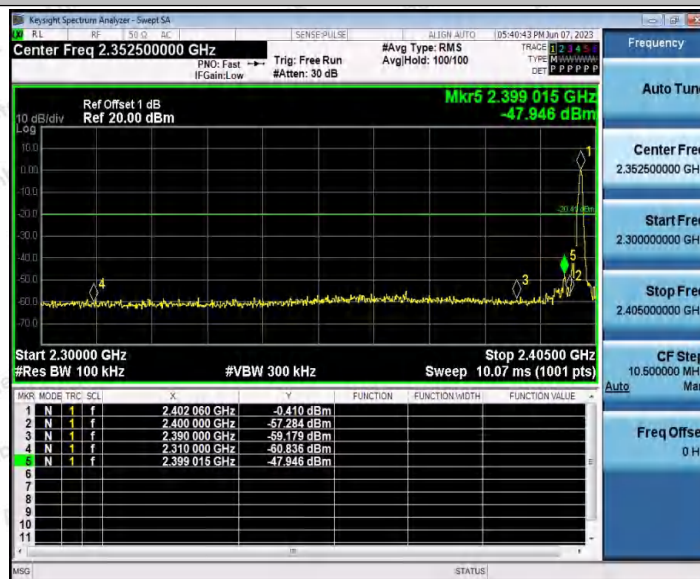
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.41	-47.95	≤-20.41	PASS
		High	2480	-0.28	-55.71	≤-20.28	PASS
		Low	Hop_2402	-0.61	-55.41	≤-20.61	PASS
		High	Hop_2480	0.14	-54.89	≤-19.87	PASS
2DH5	Ant1	Low	2402	-0.38	-49.66	≤-20.38	PASS
		High	2480	-3.70	-54.71	≤-23.7	PASS
		Low	Hop_2402	-2.50	-55.39	≤-22.5	PASS
		High	Hop_2480	0.13	-55.91	≤-19.88	PASS

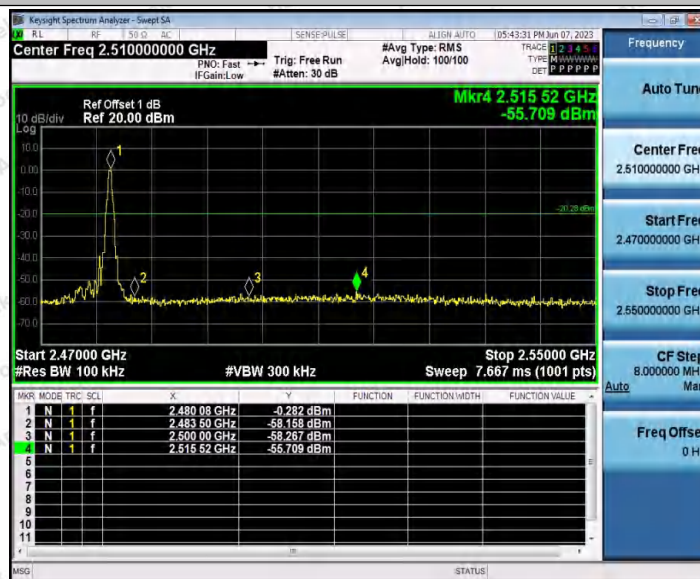


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

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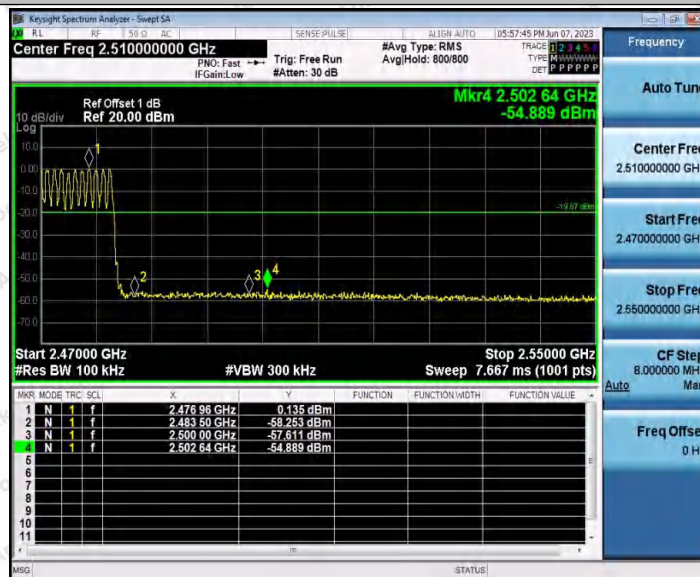


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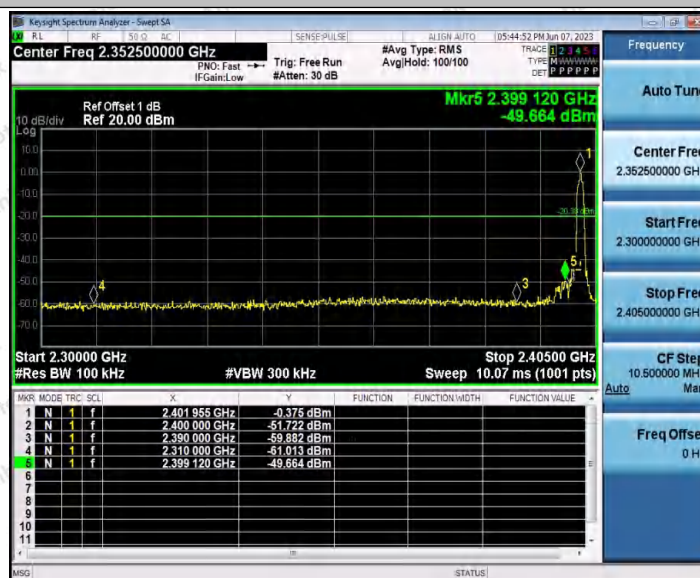




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



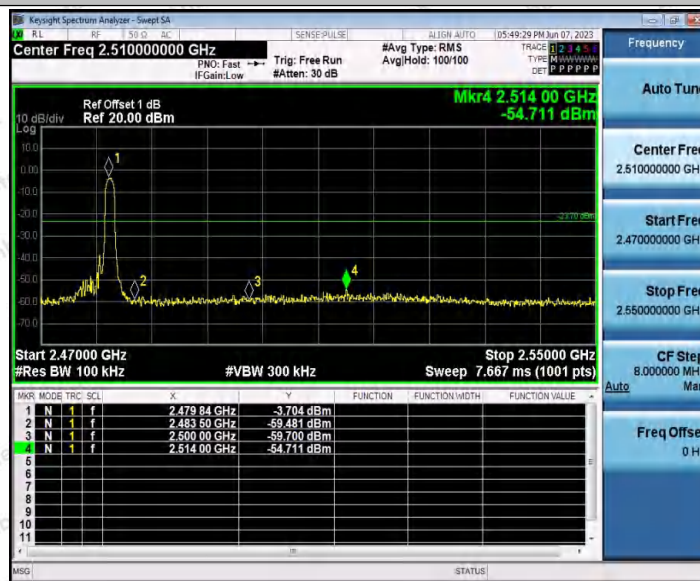
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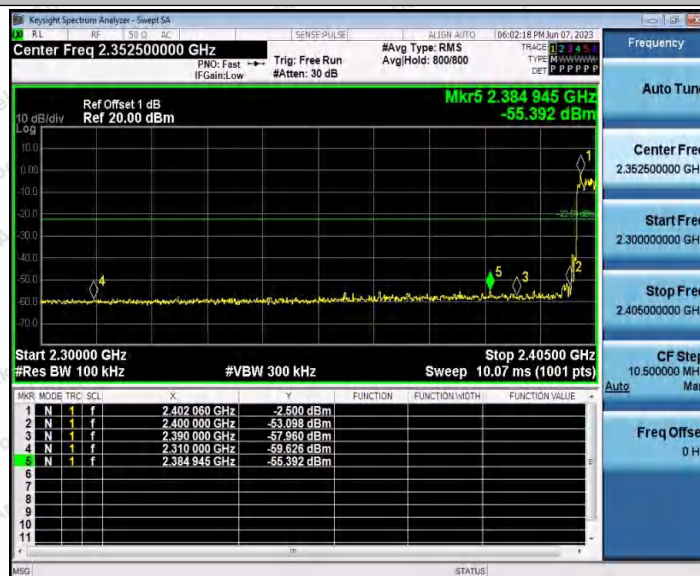
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



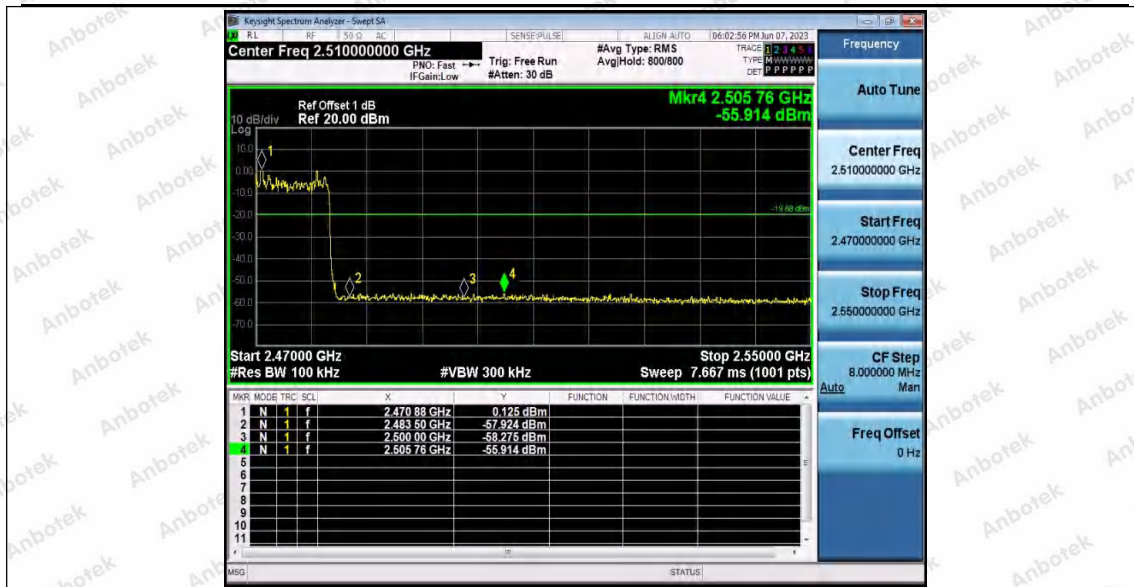
2DH5_Ant1_High_Hop_2480

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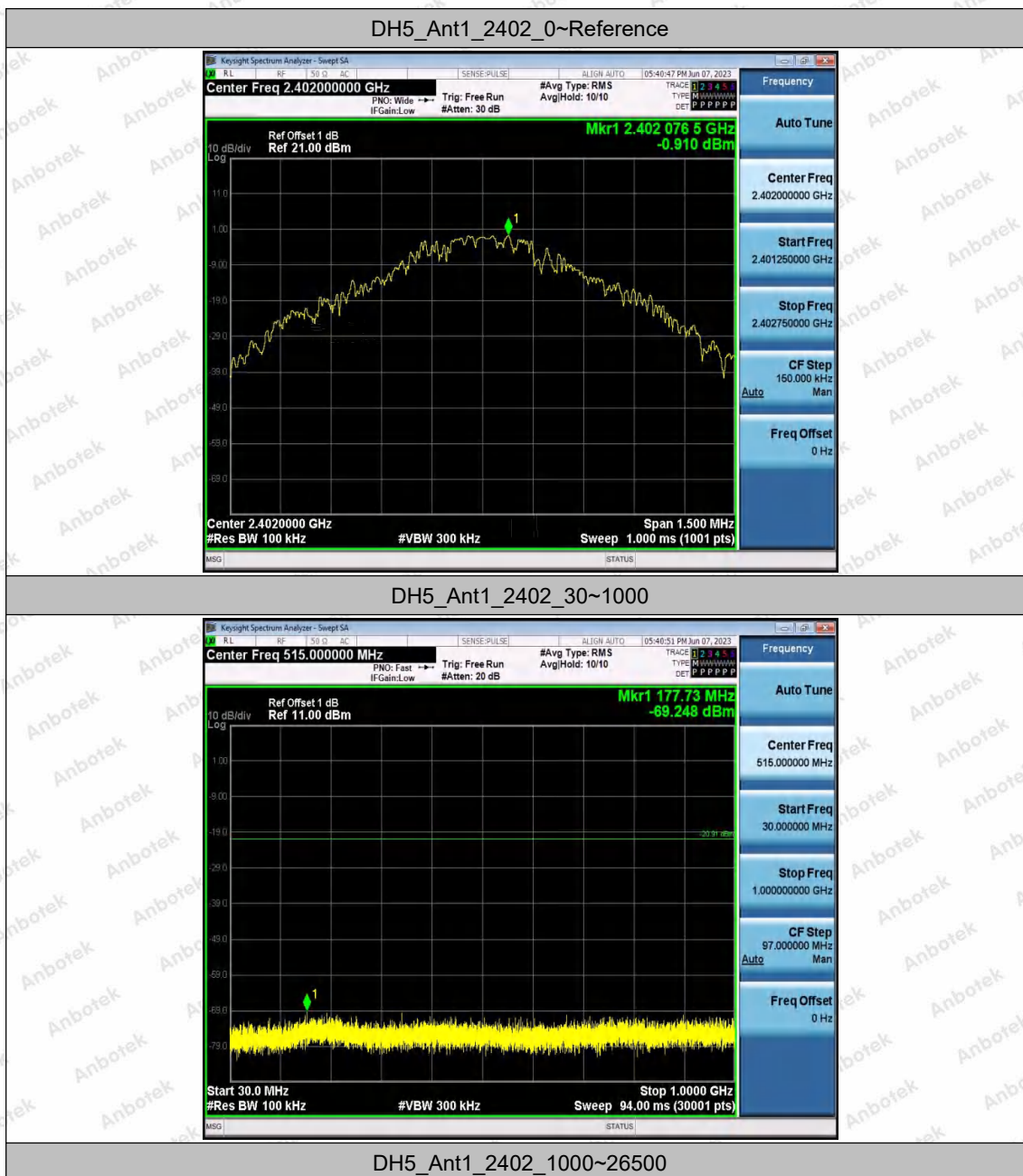
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-69.25	≤-20.91	PASS
			1000~26500	-0.91	-44.91	≤-20.91	PASS
		2441	Reference	-0.64	-0.64	---	PASS
			30~1000	-0.64	-67.97	≤-20.64	PASS
			1000~26500	-0.64	-45.36	≤-20.64	PASS
		2480	Reference	-0.75	-0.75	---	PASS
			30~1000	-0.75	-69.59	≤-20.75	PASS
			1000~26500	-0.75	-46.96	≤-20.75	PASS
2DH5	Ant1	2402	Reference	-4.12	-4.12	---	PASS
			30~1000	-4.12	-69.06	≤-24.12	PASS
			1000~26500	-4.12	-44.8	≤-24.12	PASS
		2441	Reference	-4.35	-4.35	---	PASS
			30~1000	-4.35	-69.11	≤-24.35	PASS
			1000~26500	-4.35	-45.25	≤-24.35	PASS
		2480	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-68.92	≤-20.78	PASS
			1000~26500	-0.78	-46.83	≤-20.78	PASS



Test Graphs



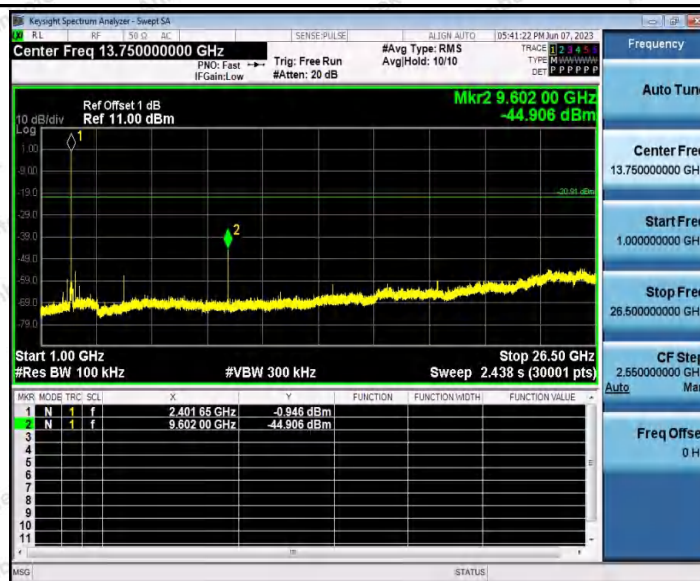
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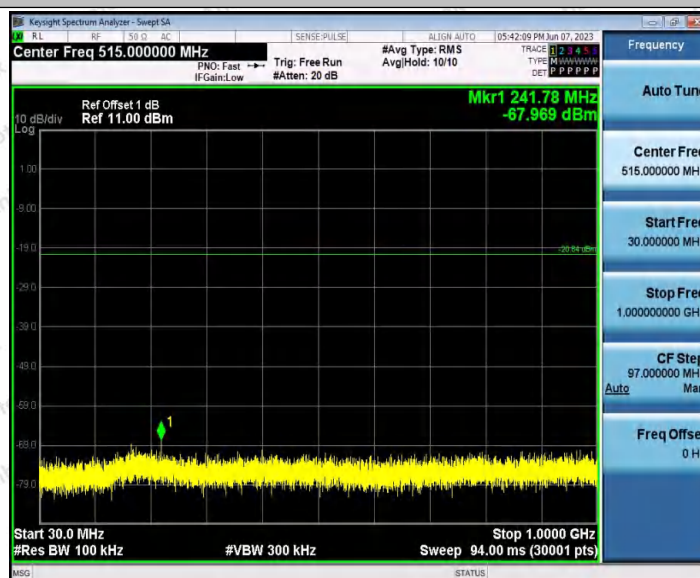




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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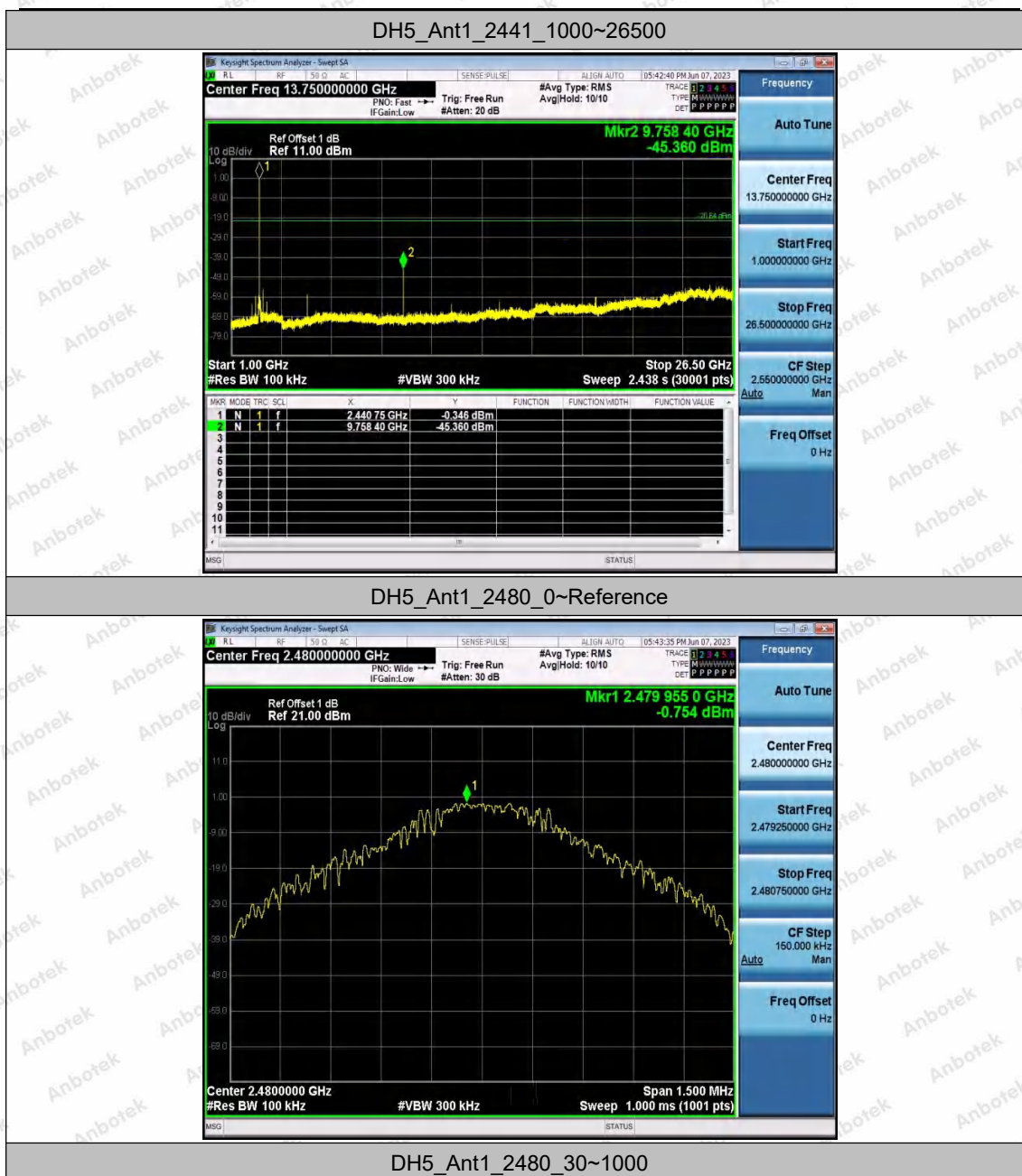


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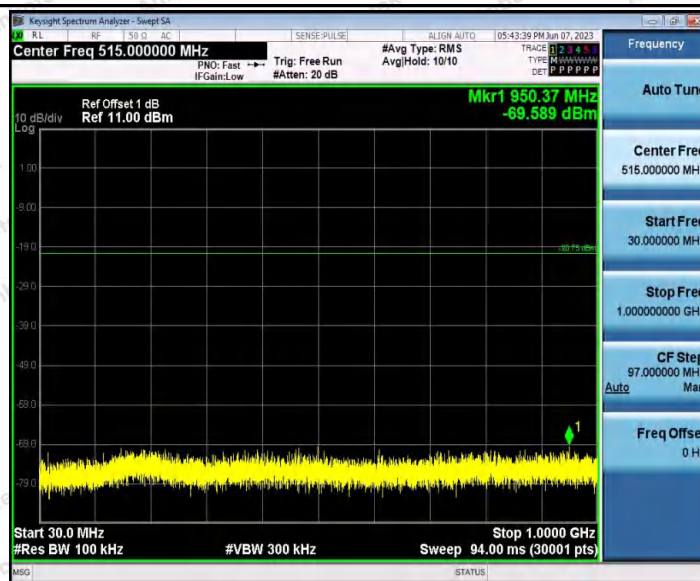
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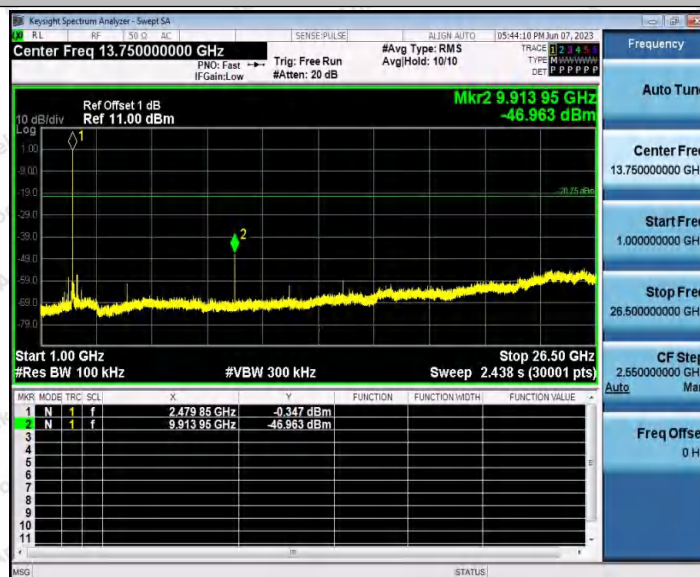


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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



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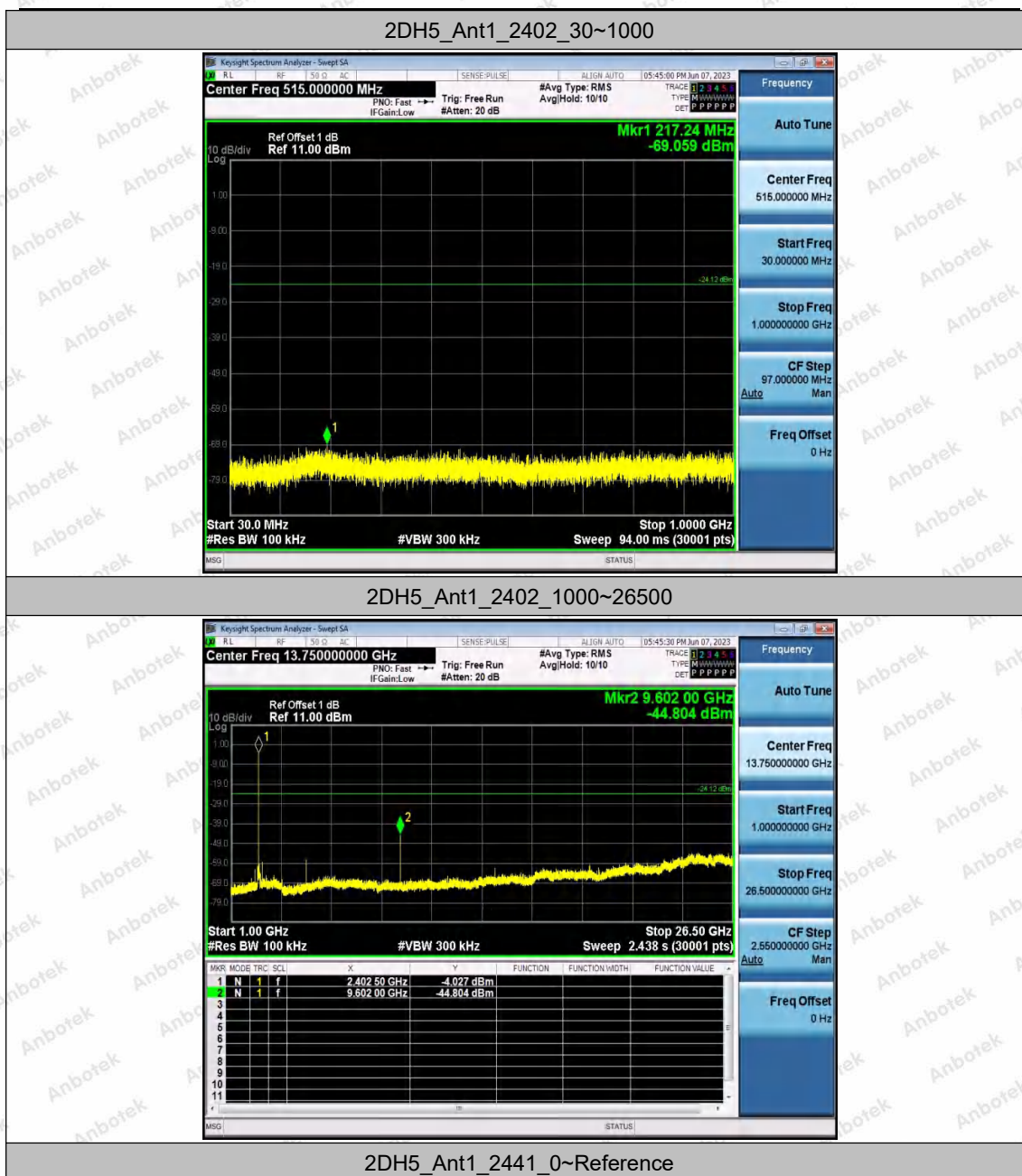


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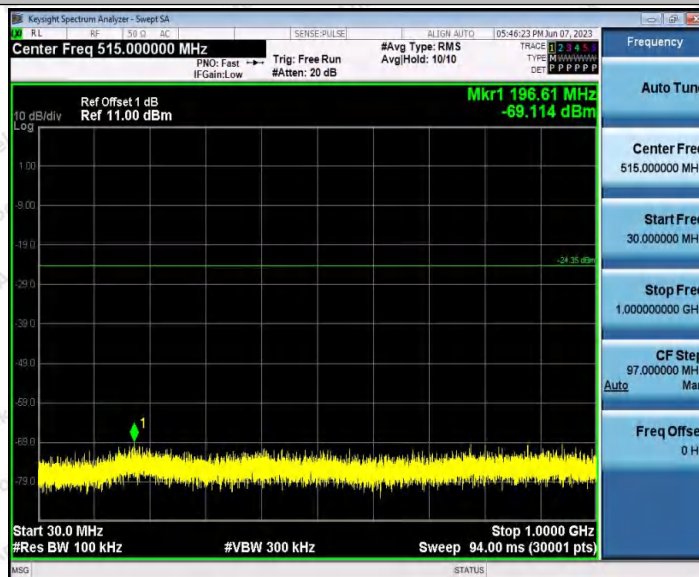


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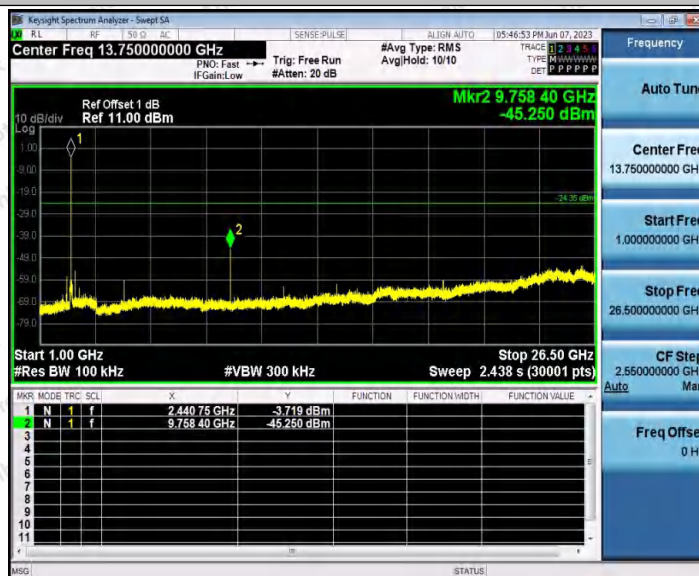




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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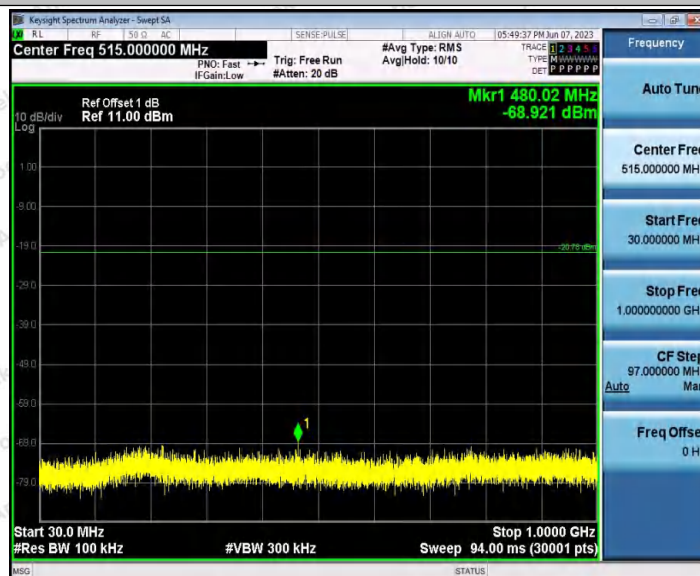
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

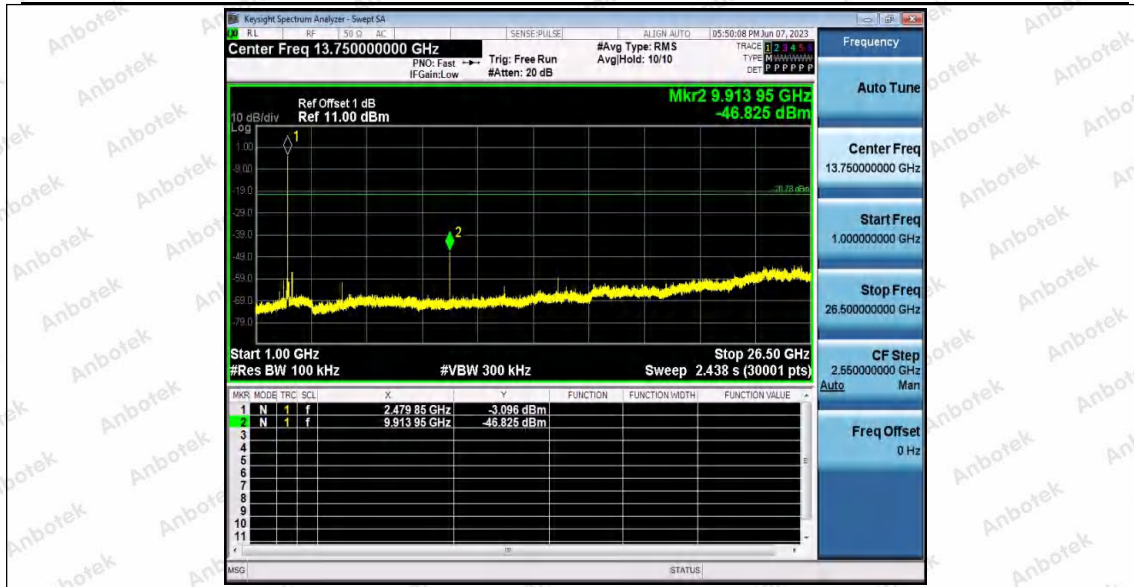
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Appendix I: Duty Cycle

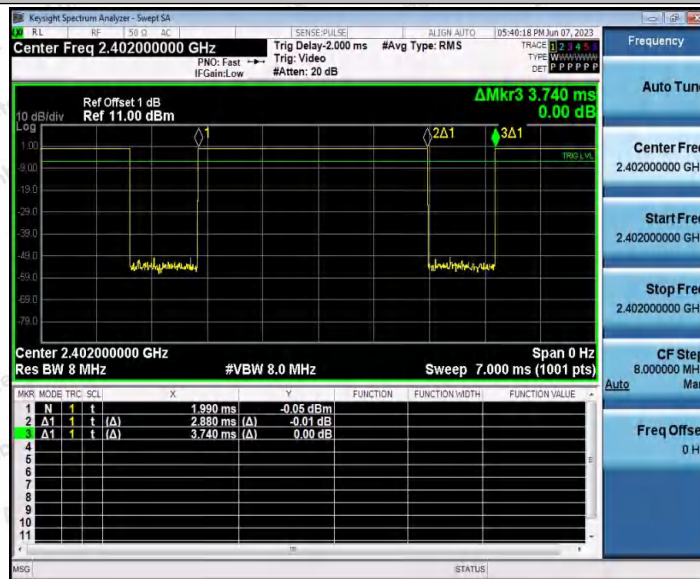
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.90	3.75	77.33	1.12
		2441	2.90	3.75	77.33	1.12
		2480	2.90	3.74	77.54	1.10

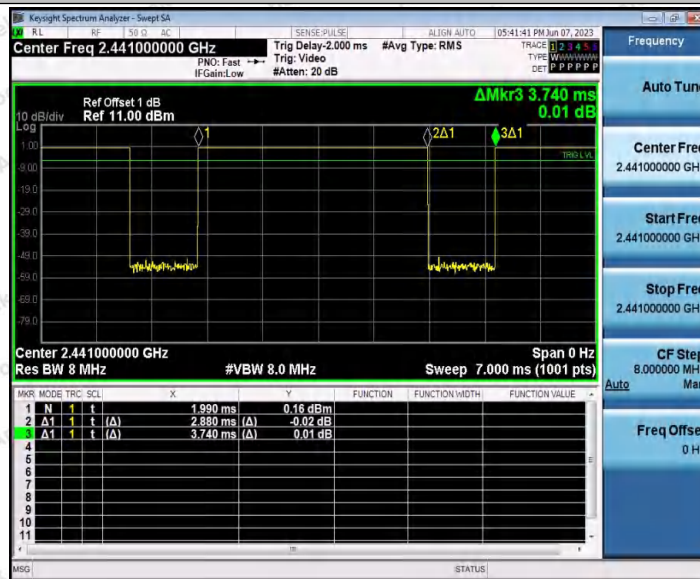


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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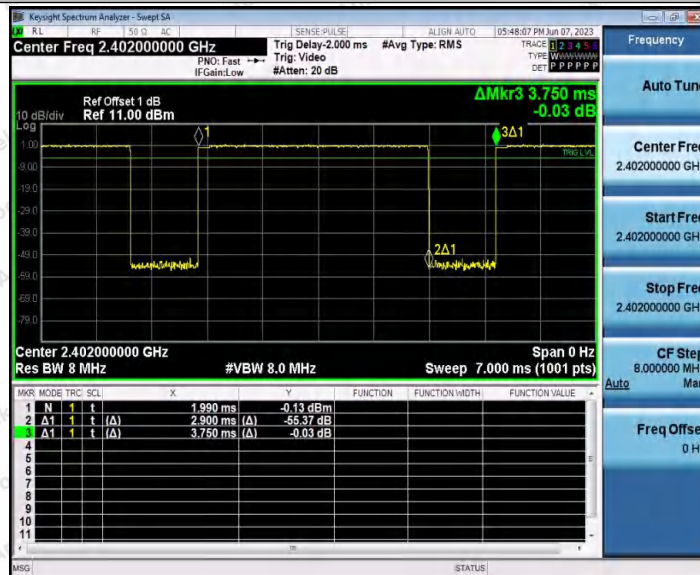


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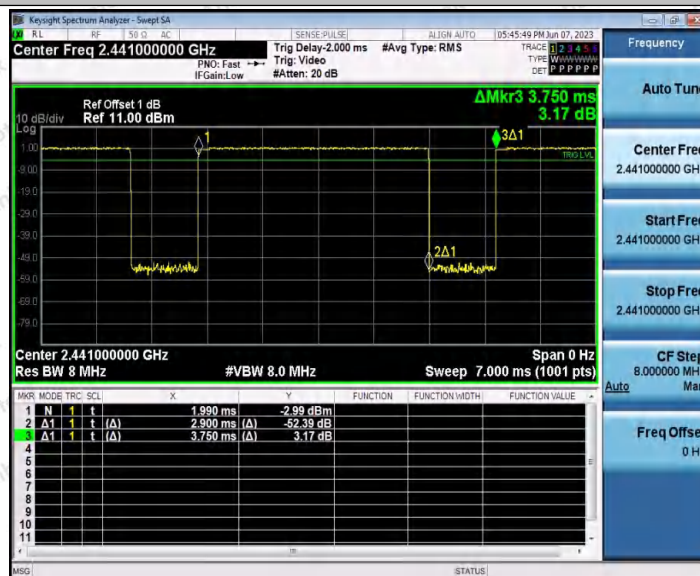




2DHS_Ant1_2402



2DHS_Ant1_2441



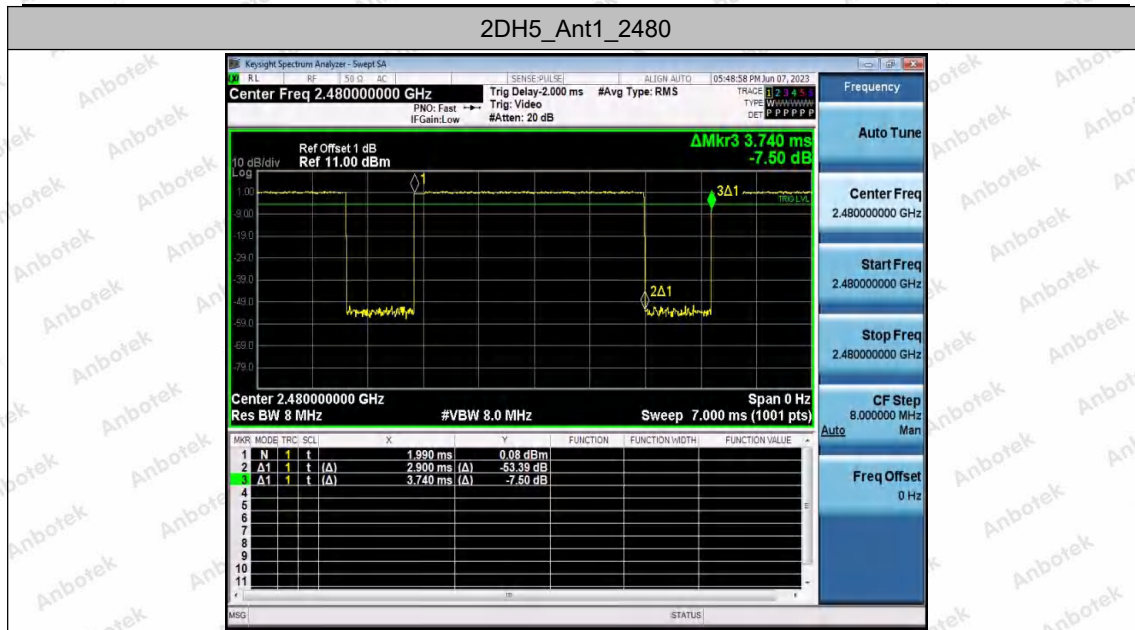
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