

Appendix Test Data

Report No.:	18220WC30146801	Test Sample No.:	1-2-2
Start Test Date:	2023.07.19	Finish Test Date:	2023.07.25
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4℃	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	1.011	2401.481	2402.492	---	---
		2441	1.038	2440.463	2441.501	---	---
		2480	0.978	2479.517	2480.495	---	---
2DH5	Ant1	2402	1.320	2401.337	2402.657	---	---
		2441	1.317	2440.340	2441.657	---	---
		2480	1.311	2479.346	2480.657	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

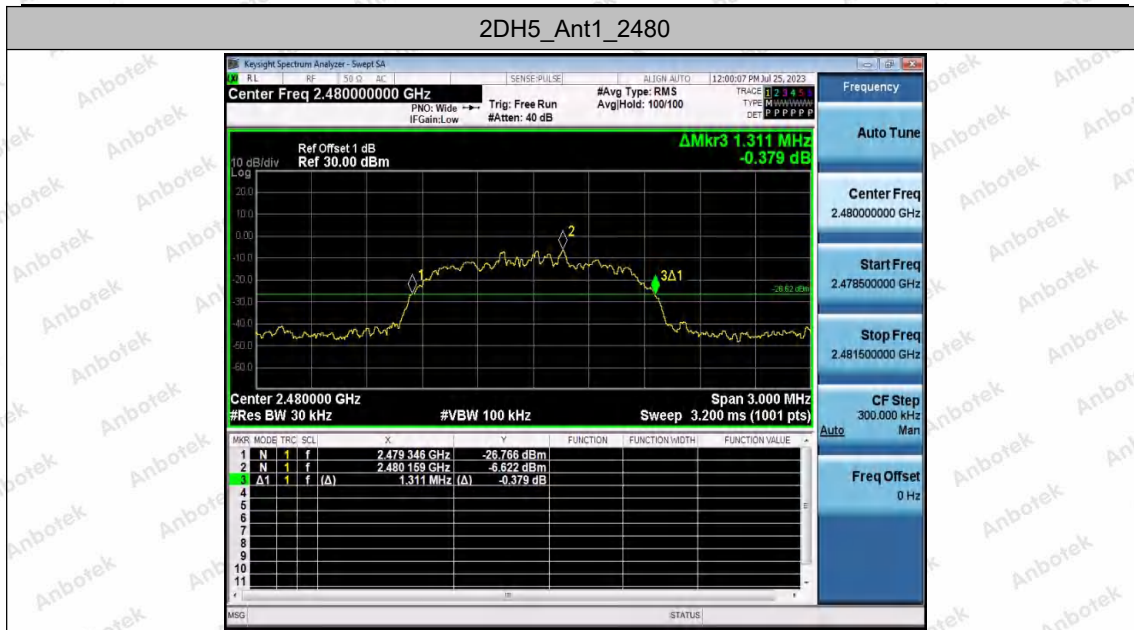


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90140	2401.5574	2402.4588	---	---
		2441	0.90810	2440.5517	2441.4598	---	---
		2480	0.90440	2479.5503	2480.4547	---	---
2DH5	Ant1	2402	1.1878	2401.4088	2402.5966	---	---
		2441	1.1934	2440.4055	2441.5989	---	---
		2480	1.2091	2479.3966	2480.6057	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



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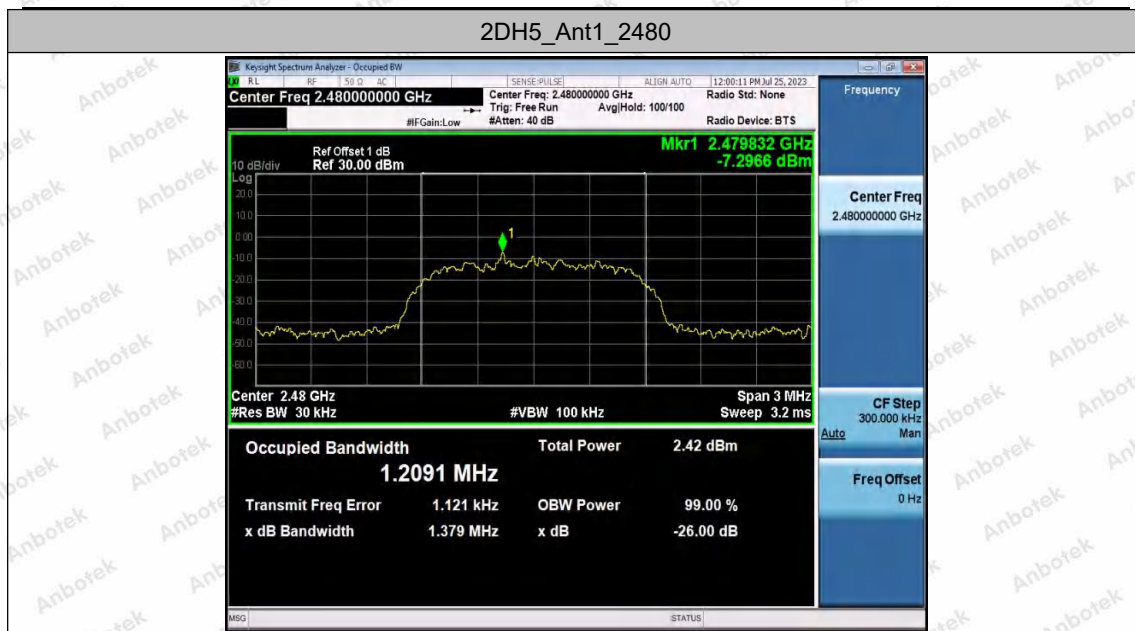


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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.36	≤20.97	PASS
		2441	-0.8	≤20.97	PASS
		2480	-1.56	≤20.97	PASS
2DH5	Ant1	2402	-1.16	≤20.97	PASS
		2441	-1.56	≤20.97	PASS
		2480	-2.02	≤20.97	PASS



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441



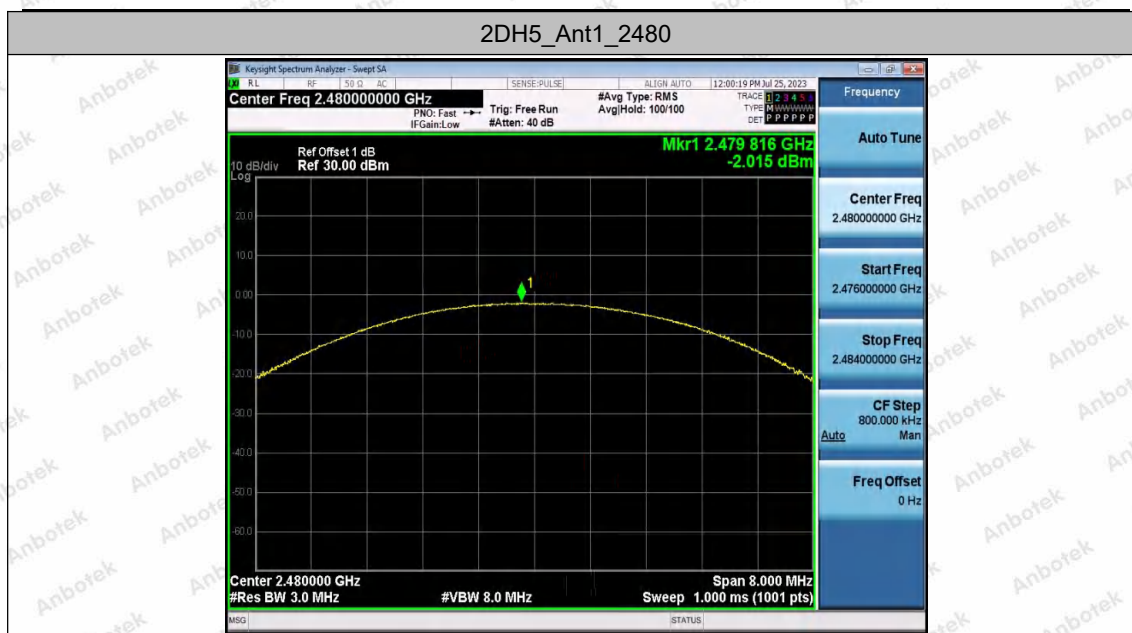
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥0.692	PASS
2DH5	Ant1	Hop	1.01	≥0.880	PASS



Test Graphs



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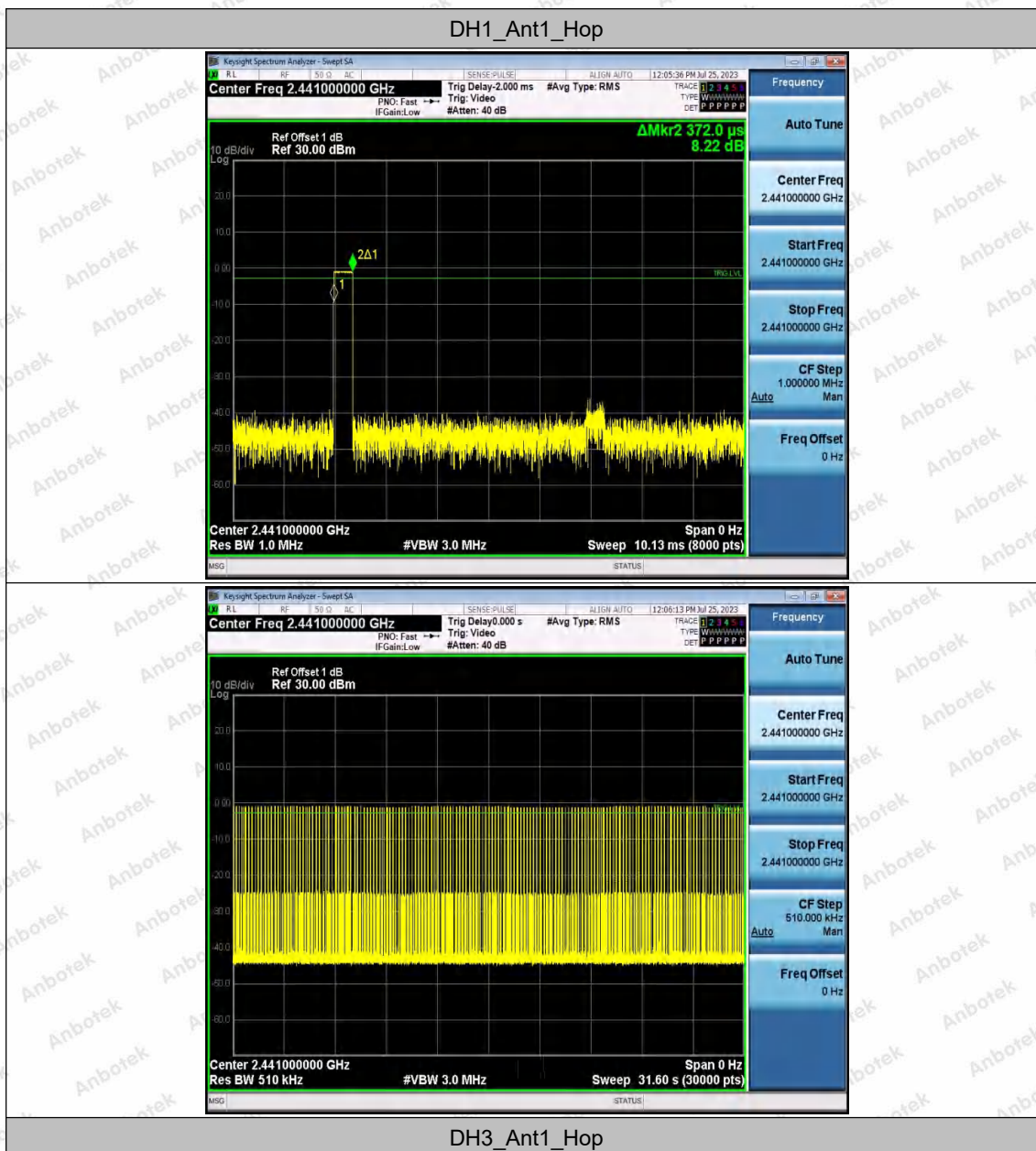
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.372	313	0.116	≤0.4	PASS
DH3	Ant1	Hop	1.628	159	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.877	103	0.296	≤0.4	PASS
2DH1	Ant1	Hop	0.379	313	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.633	158	0.258	≤0.4	PASS
2DH5	Ant1	Hop	2.879	117	0.337	≤0.4	PASS



Test Graphs



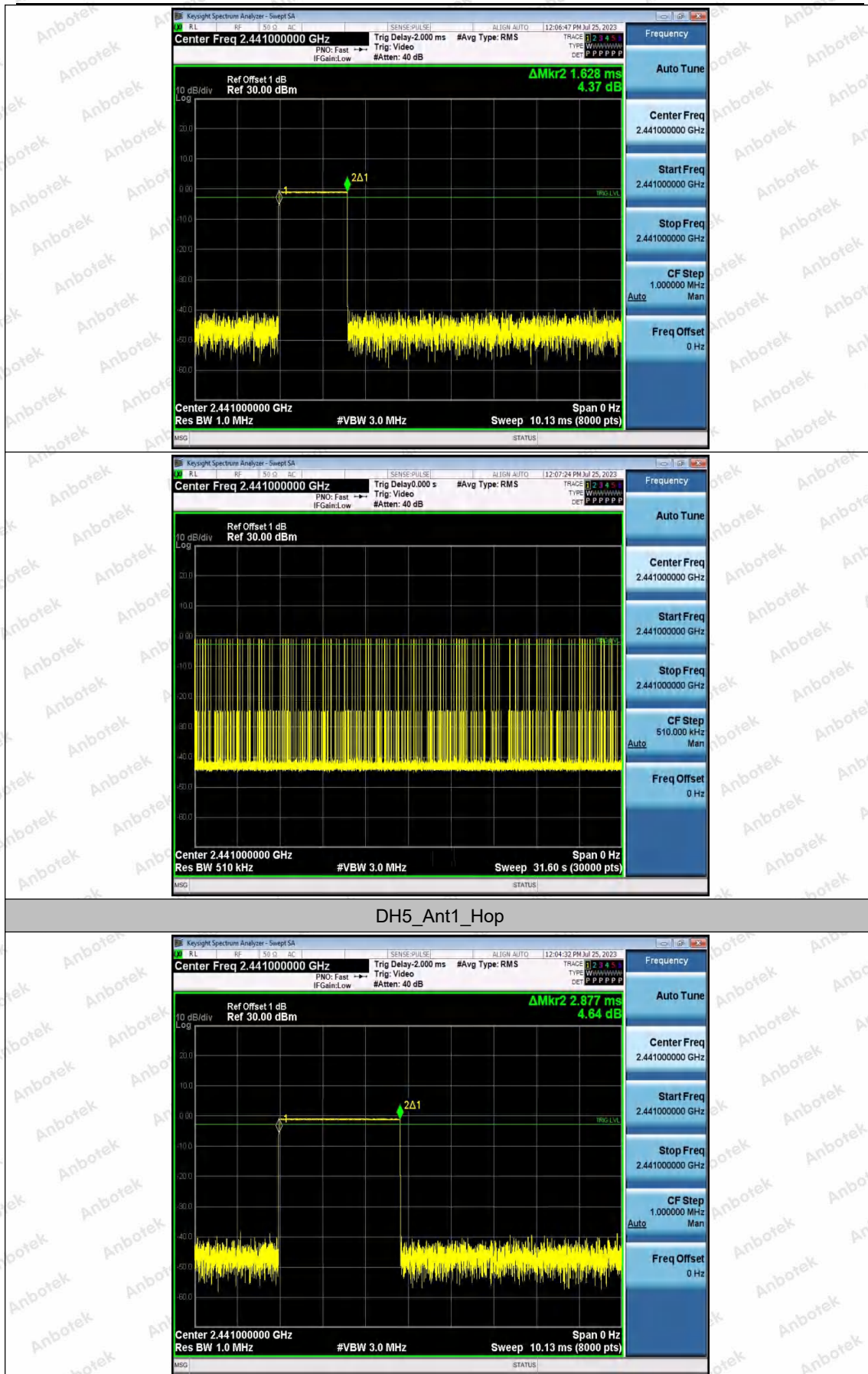
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DH5_Ant1_Hop

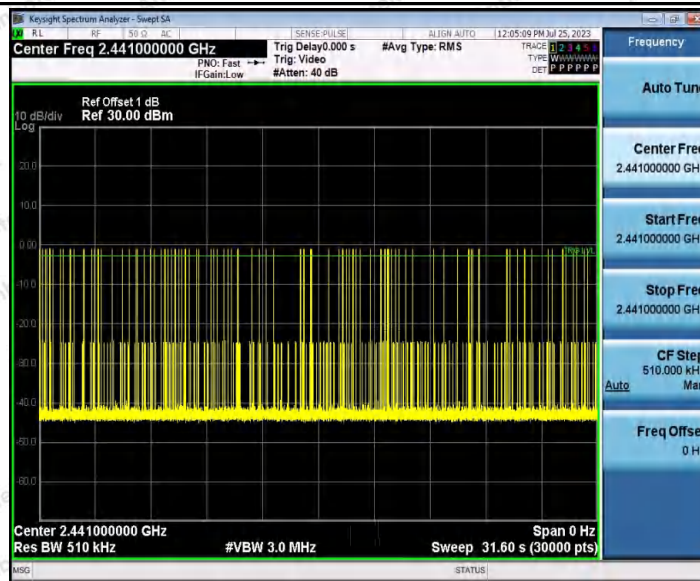
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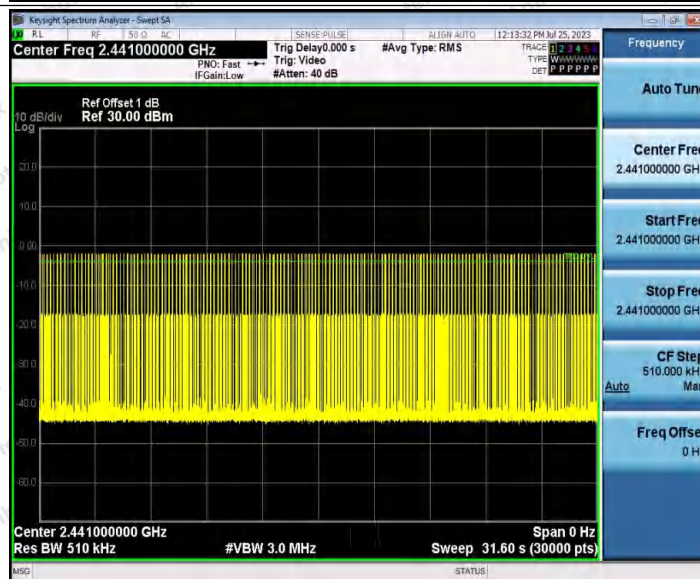
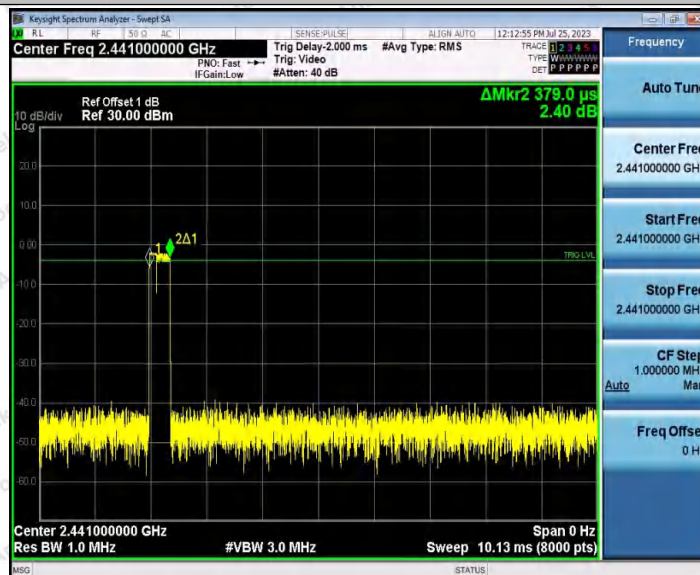


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

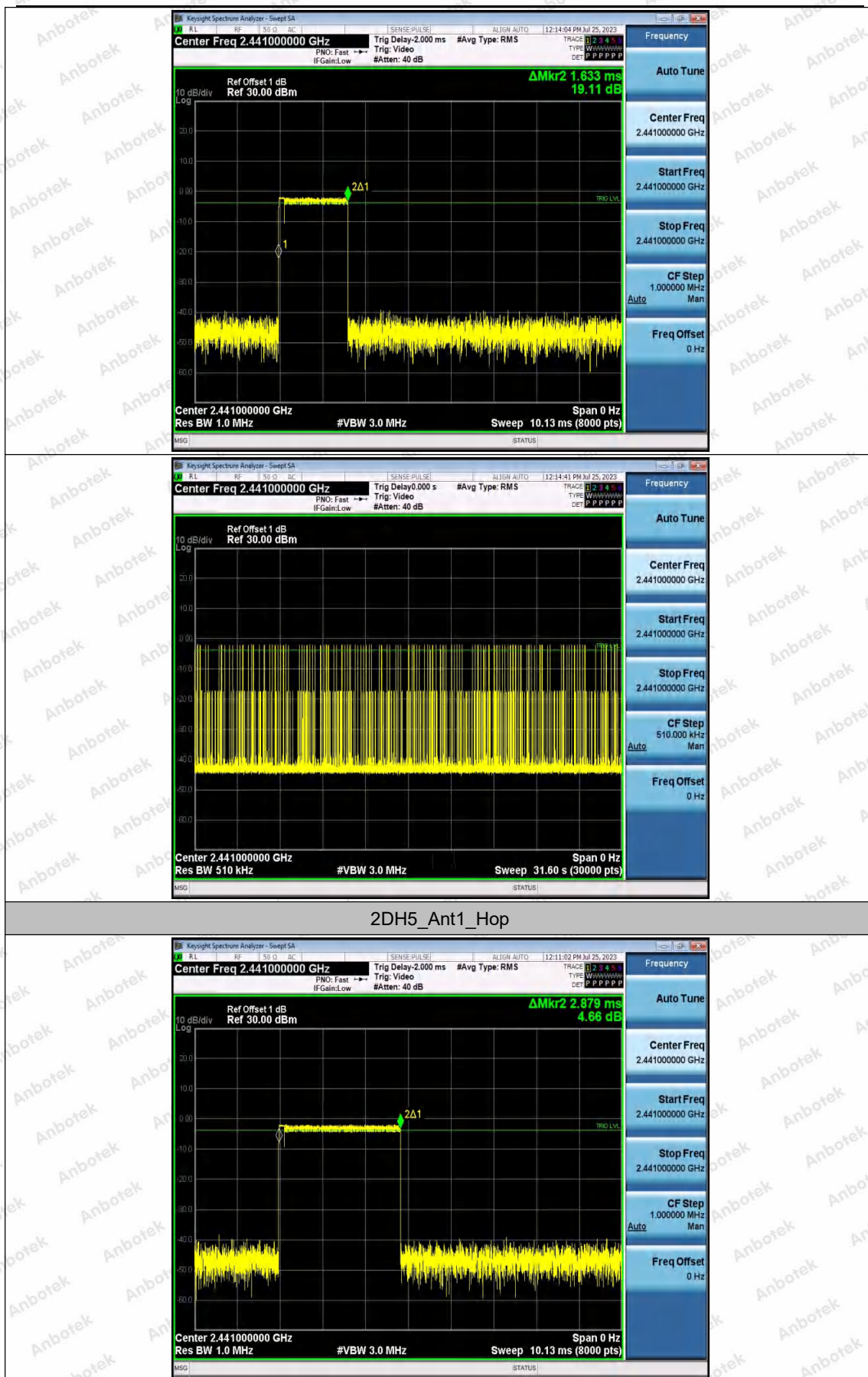
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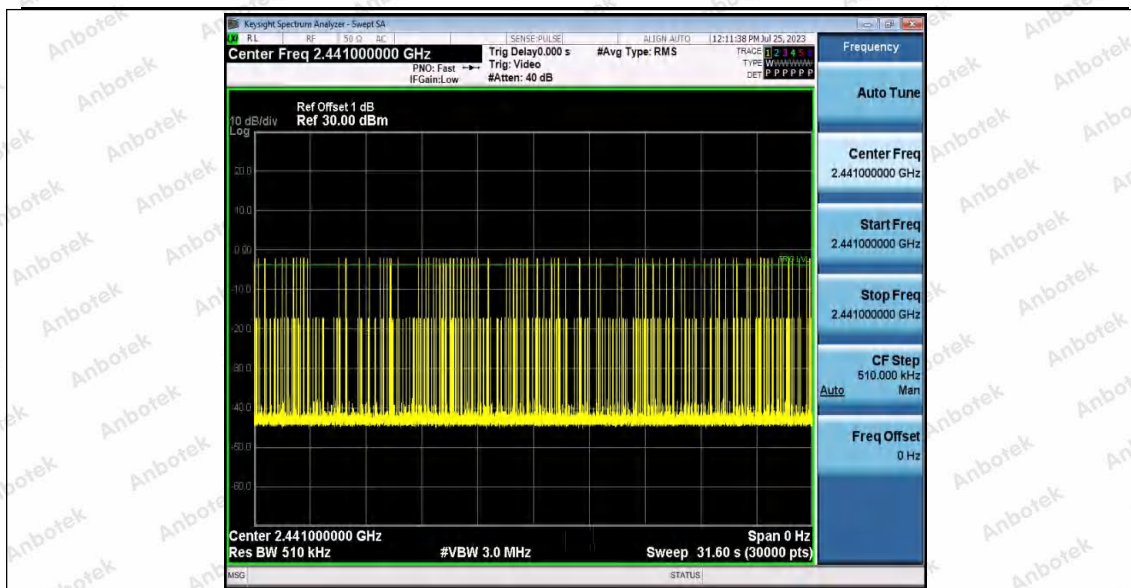
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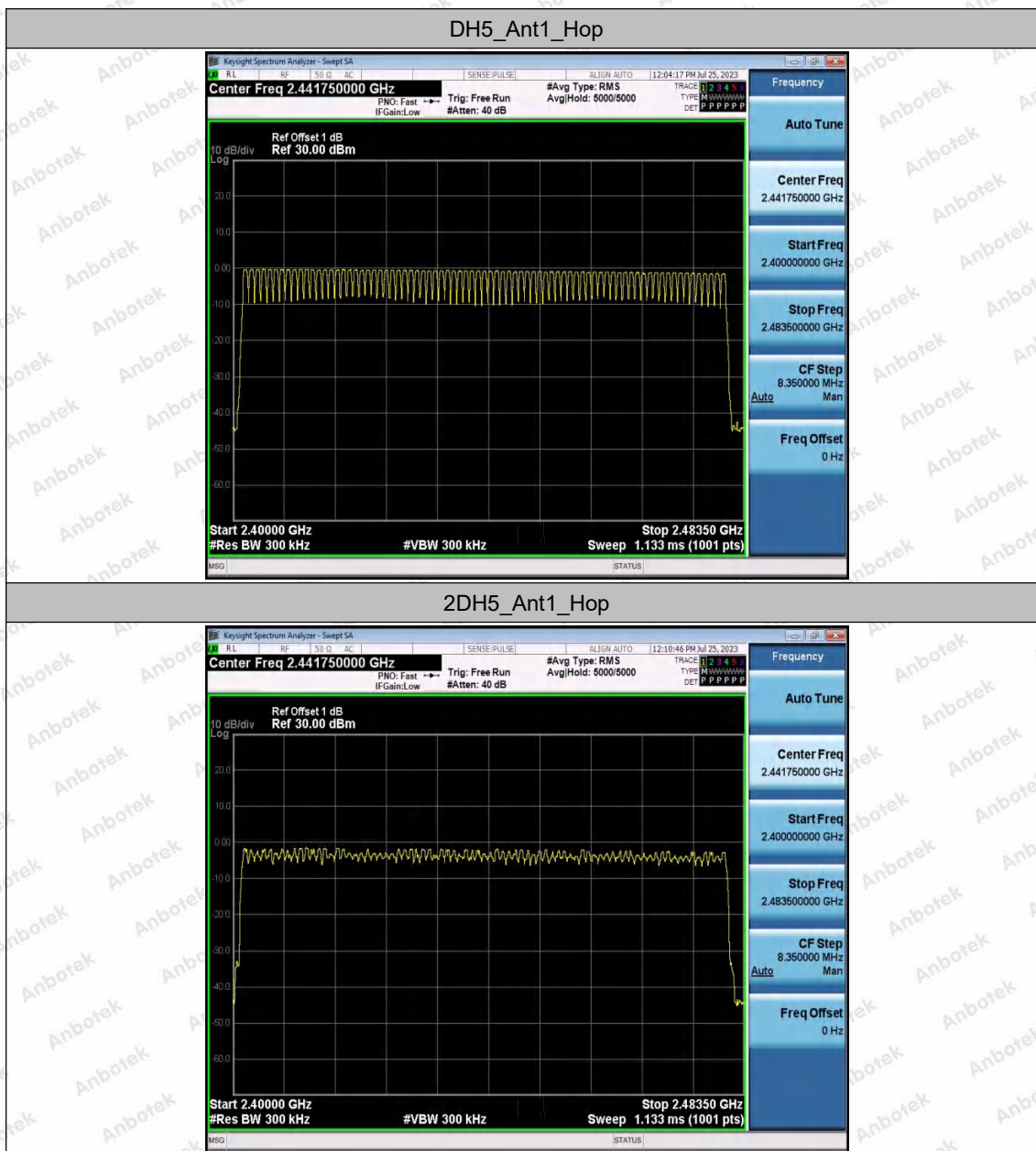
Appendix F: Number of hopping channels

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

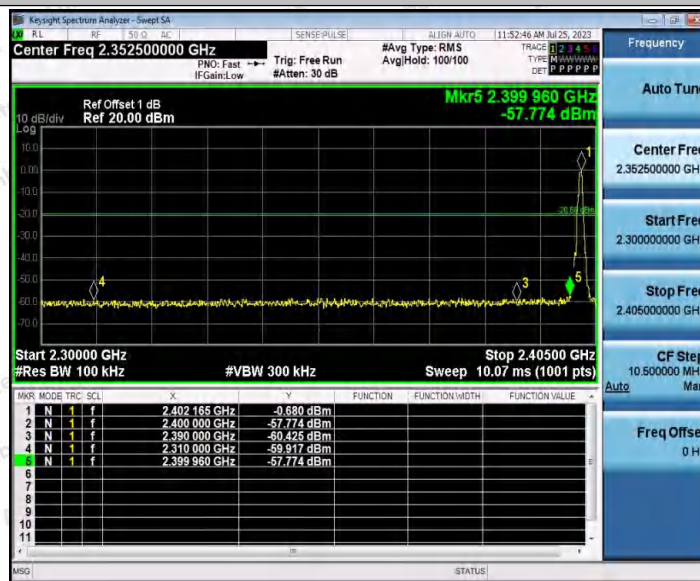
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.68	-57.77	≤-20.68	PASS
		High	2480	-1.99	-57.65	≤-21.99	PASS
		Low	Hop_2402	-0.88	-56.15	≤-20.88	PASS
		High	Hop_2480	-1.88	-56.47	≤-21.88	PASS
2DH5	Ant1	Low	2402	-2.57	-57.67	≤-22.57	PASS
		High	2480	-5.97	-57.51	≤-25.97	PASS
		Low	Hop_2402	-4.61	-57.54	≤-24.61	PASS
		High	Hop_2480	-3.33	-57.15	≤-23.33	PASS

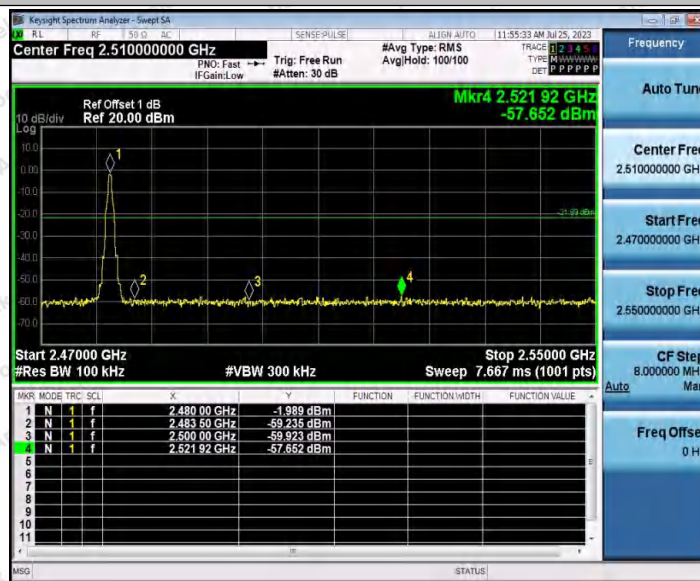


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

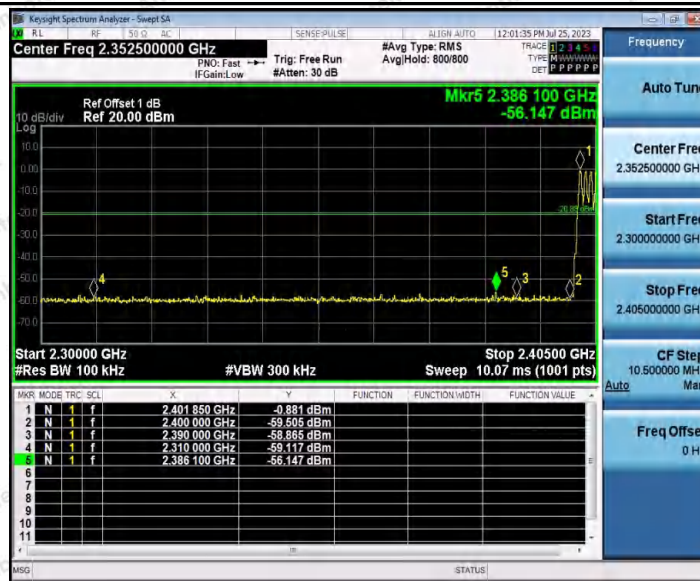
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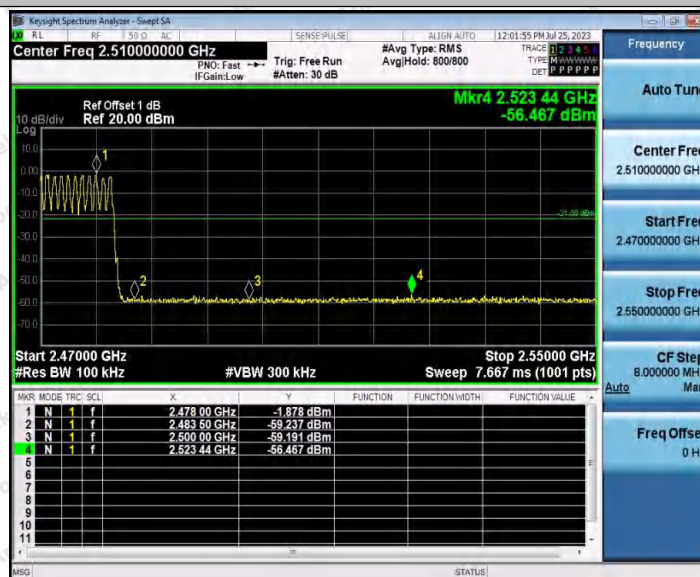


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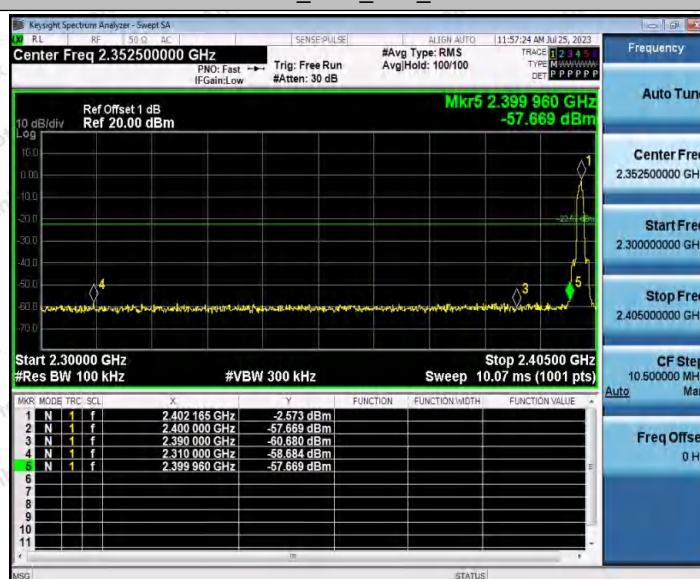




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



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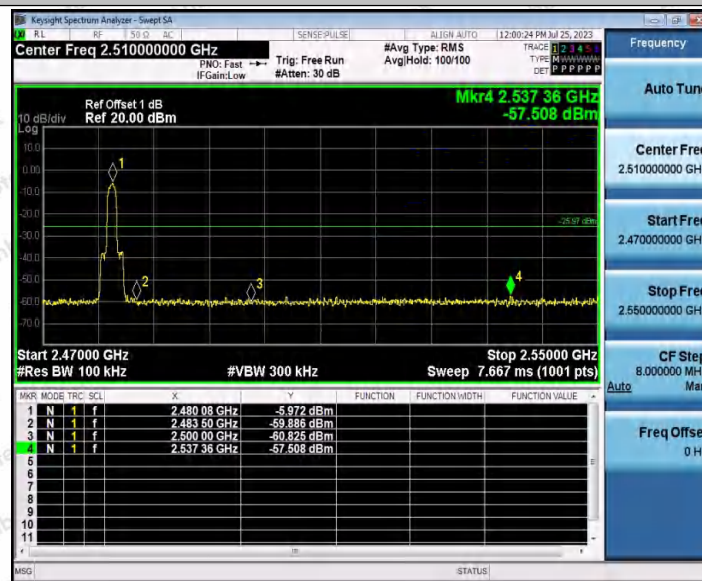
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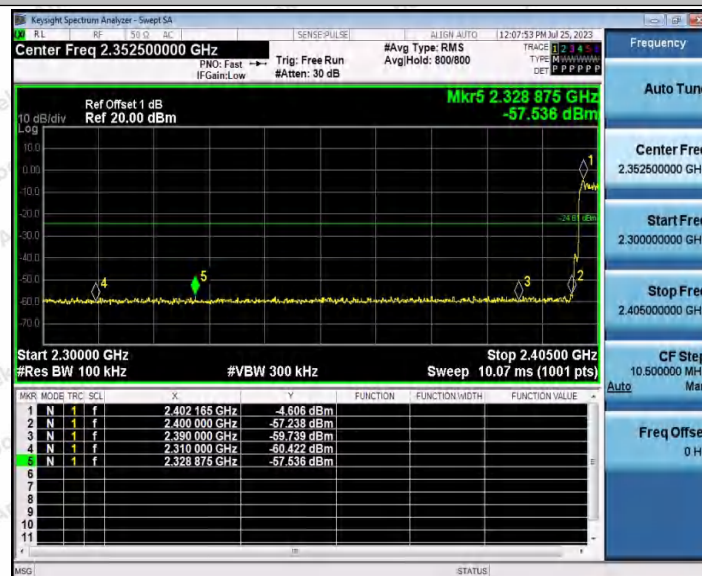
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

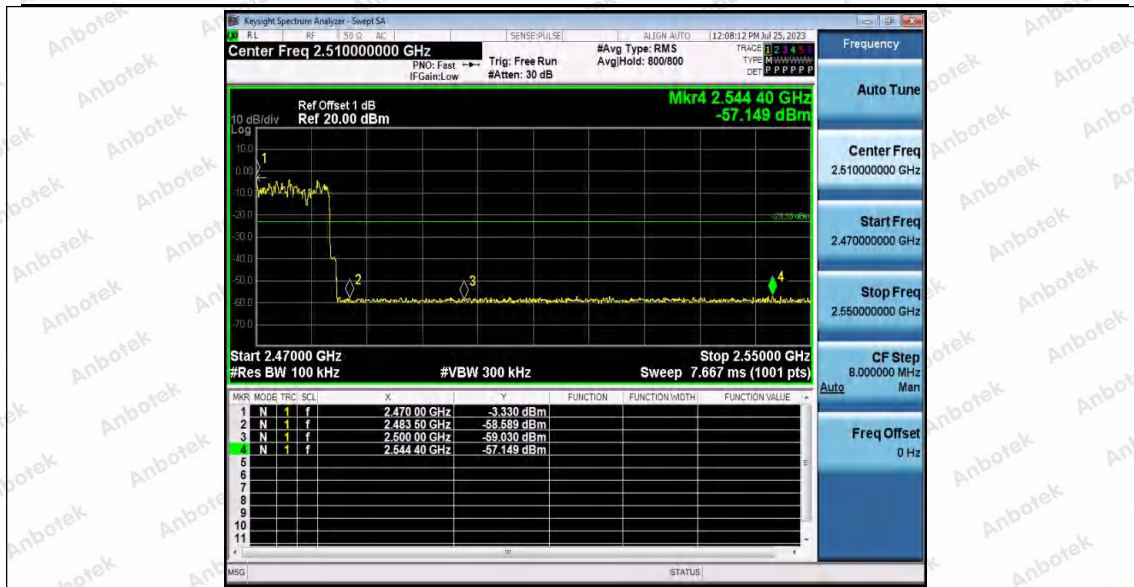
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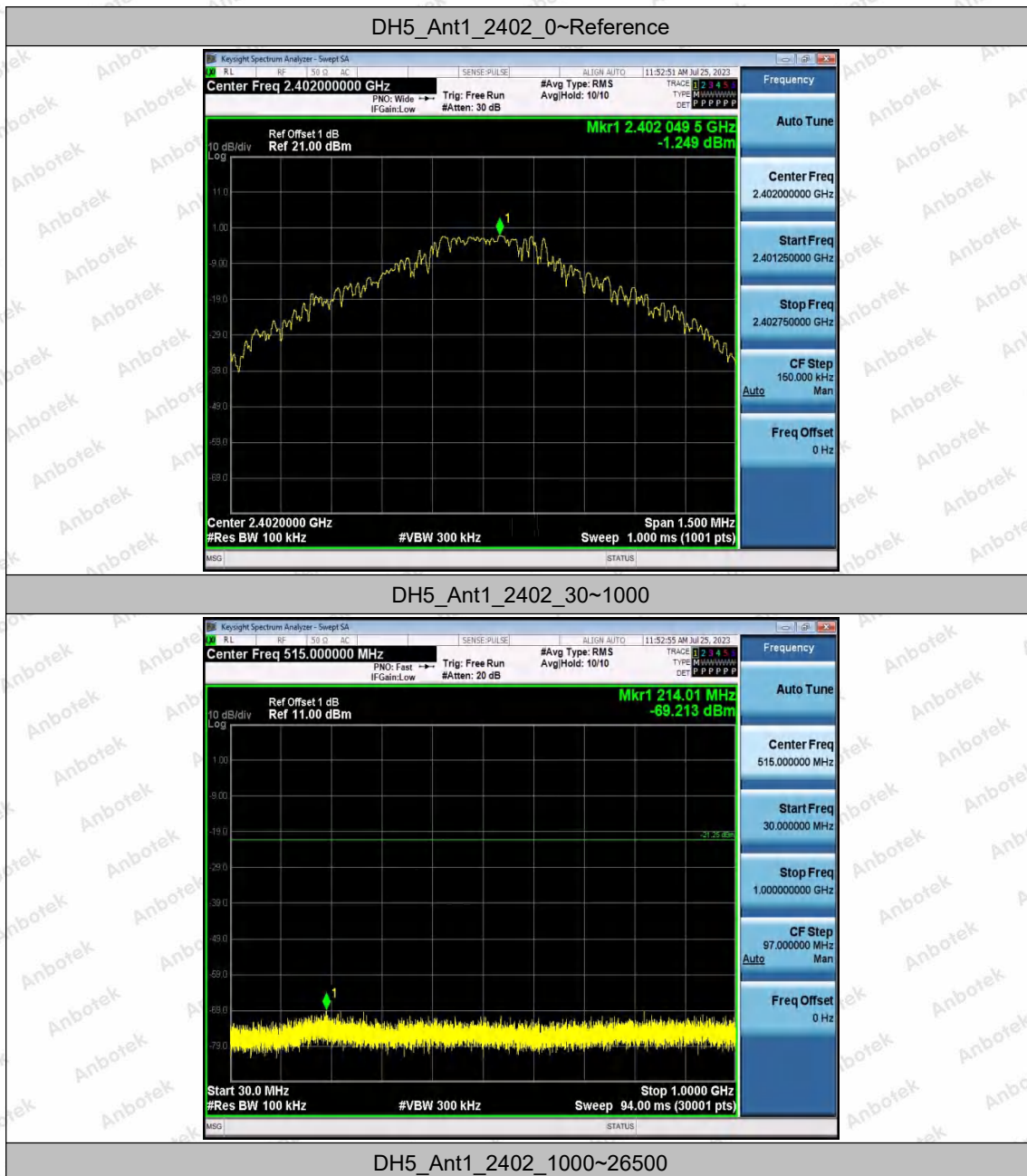
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.25	-1.25	---	PASS
			30~1000	-1.25	-69.21	≤-21.25	PASS
			1000~26500	-1.25	-53.48	≤-21.25	PASS
		2441	Reference	-1.66	-1.66	---	PASS
			30~1000	-1.66	-68.97	≤-21.66	PASS
			1000~26500	-1.66	-53.27	≤-21.66	PASS
		2480	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-68.42	≤-22.46	PASS
			1000~26500	-2.46	-54.01	≤-22.46	PASS
2DH5	Ant1	2402	Reference	-6.55	-6.55	---	PASS
			30~1000	-6.55	-69.37	≤-26.55	PASS
			1000~26500	-6.55	-53.23	≤-26.55	PASS
		2441	Reference	-3.37	-3.37	---	PASS
			30~1000	-3.37	-69.11	≤-23.37	PASS
			1000~26500	-3.37	-53.27	≤-23.37	PASS
		2480	Reference	-6.55	-6.55	---	PASS
			30~1000	-6.55	-68.25	≤-26.55	PASS
			1000~26500	-6.55	-53.67	≤-26.55	PASS



Test Graphs



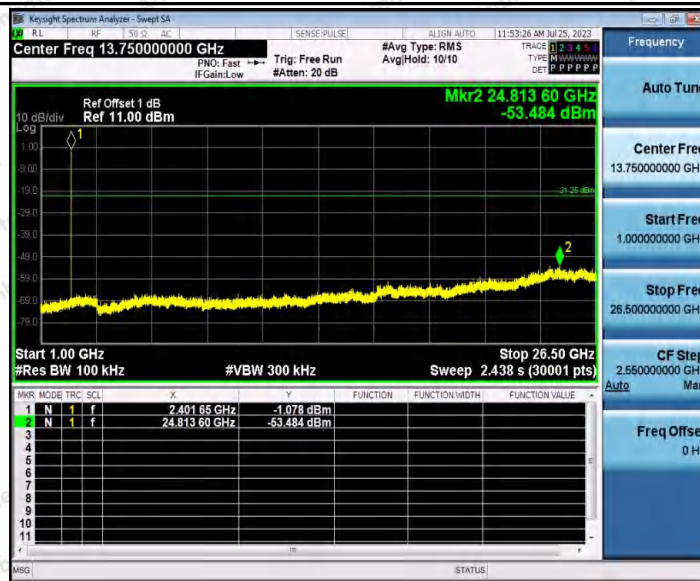
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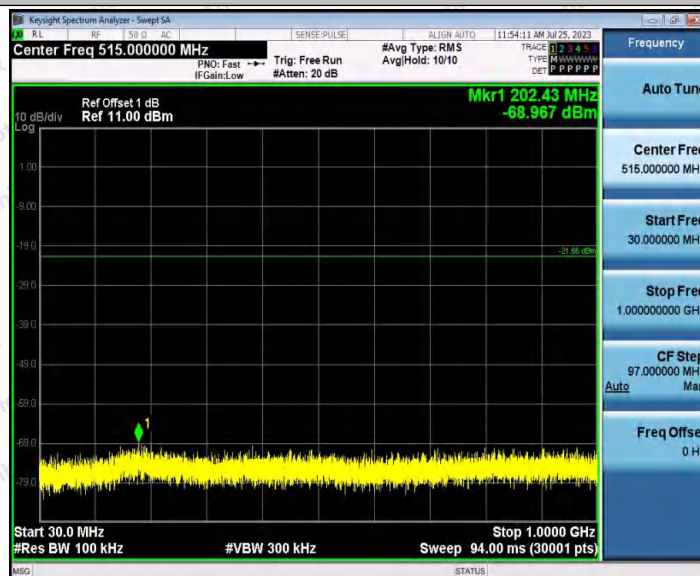




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



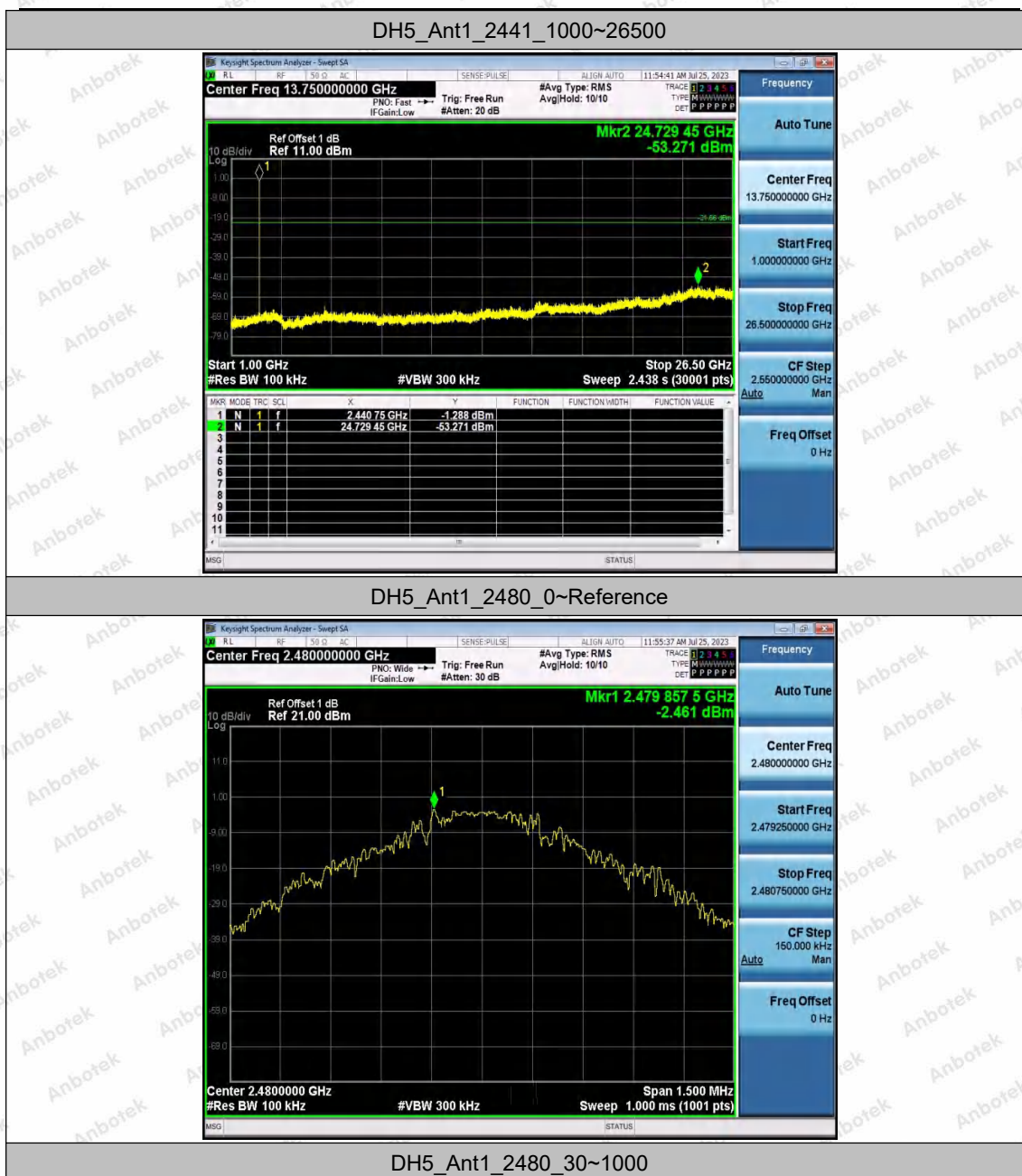
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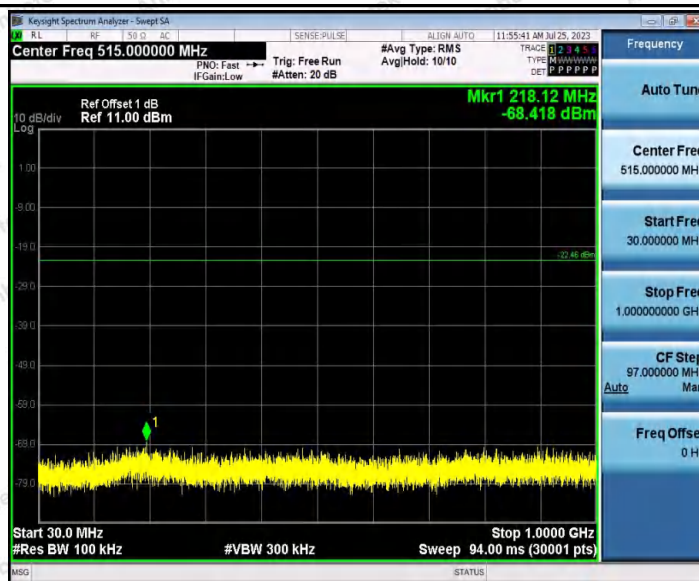
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



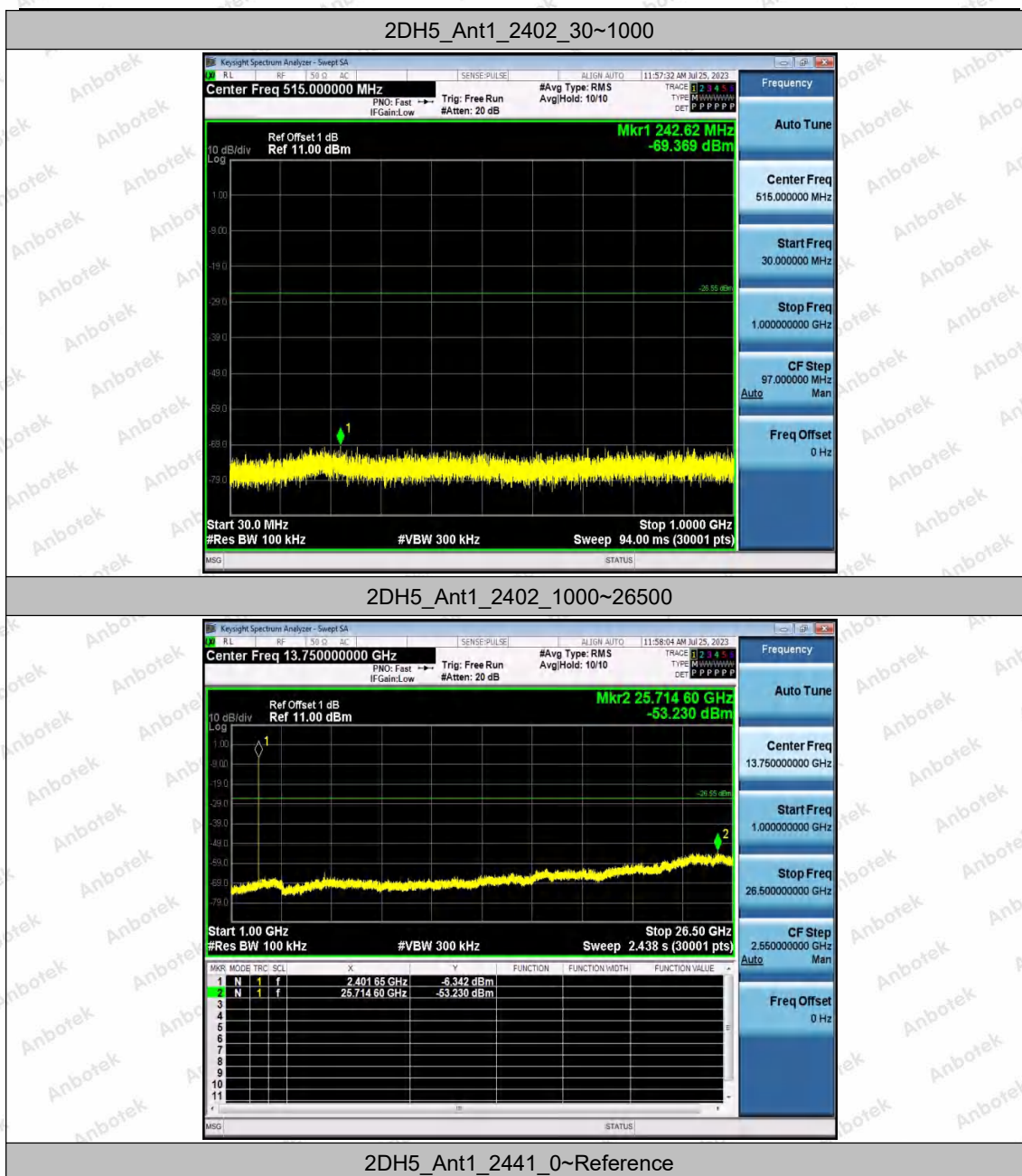
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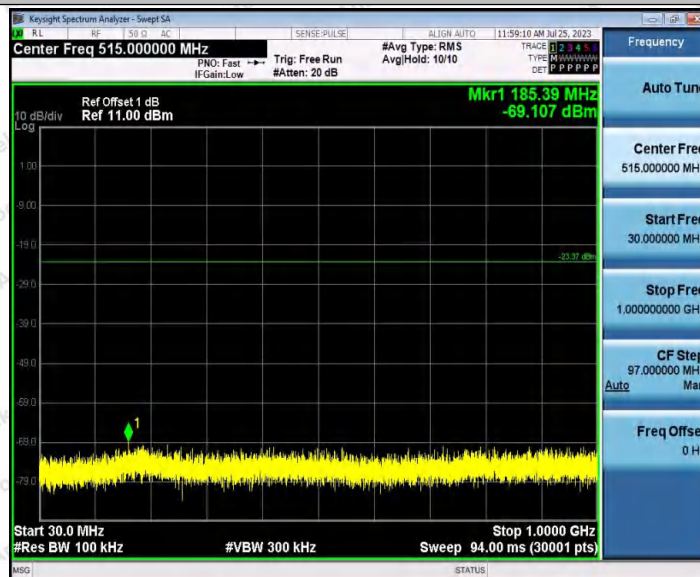


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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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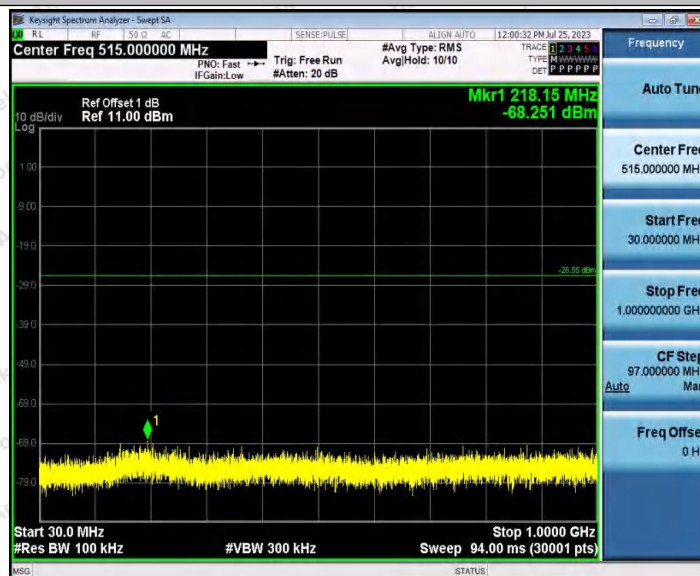
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

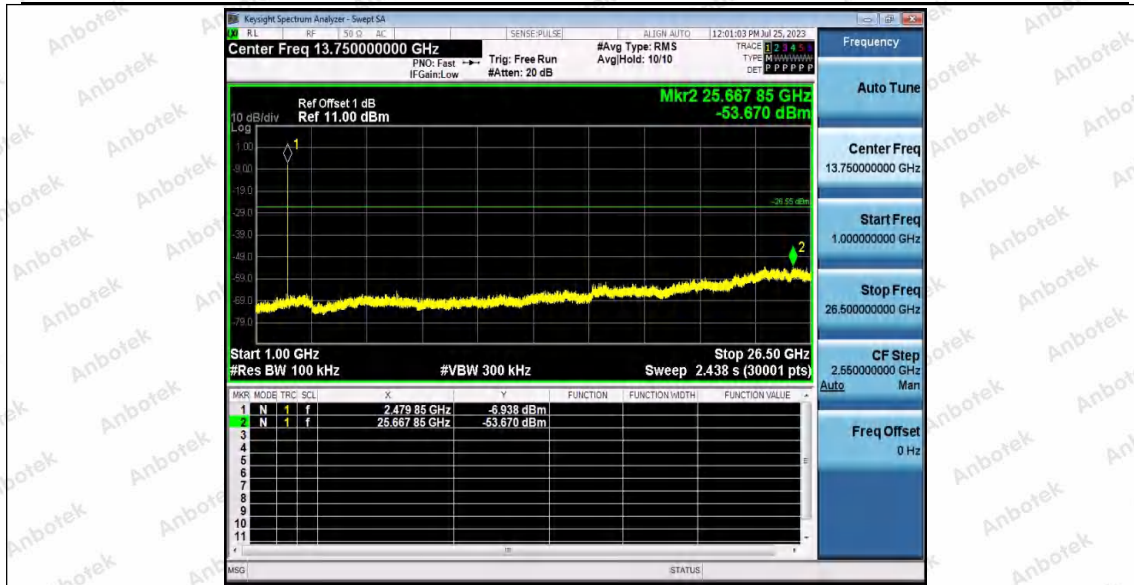
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.88	3.74	77.01	1.13
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
		2441	2.88	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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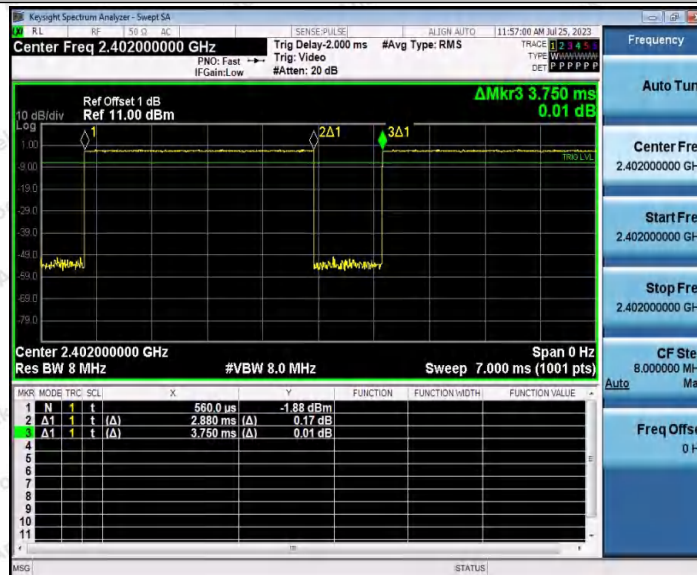


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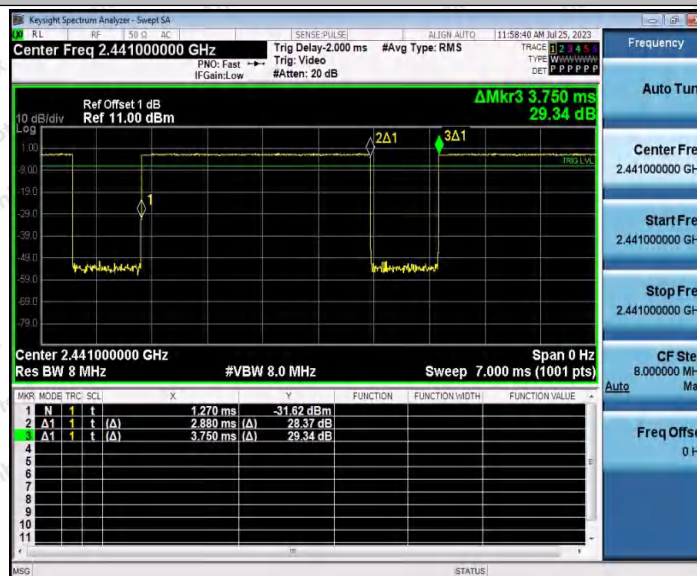




2DH5_Ant1_2402



2DH5_Ant1_2441

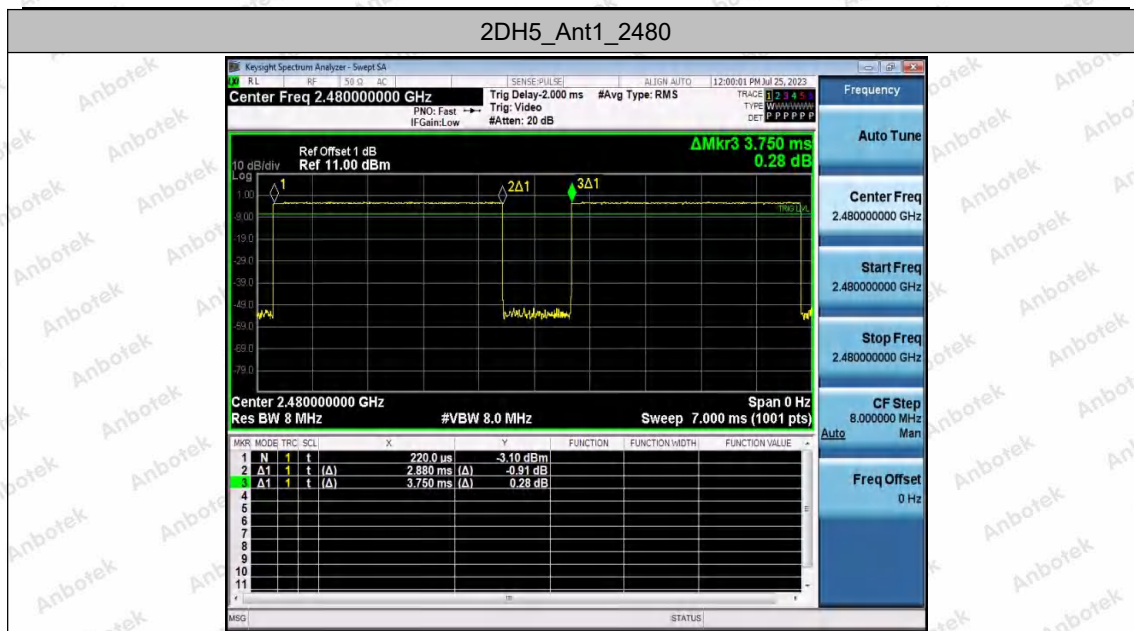


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