

Appendix Test Data

Report No.:	18220WC30151601	Test Sample No.:	1-2-2
Start Test Date:	2023.07.26	Finish Test Date:	2023.07.27
Test Engineer:	Hayman Chen	Auditor:	Rock Luo
Temperature:	25.3℃	Relative Humidity:	48%
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	0.951	2401.457	2402.408	---	---
		2441	0.960	2440.454	2441.414	---	---
		2480	0.951	2479.460	2480.411	---	---
2DH5	Ant1	2402	1.323	2401.259	2402.582	---	---
		2441	1.311	2440.259	2441.570	---	---
		2480	1.320	2479.256	2480.576	---	---



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441

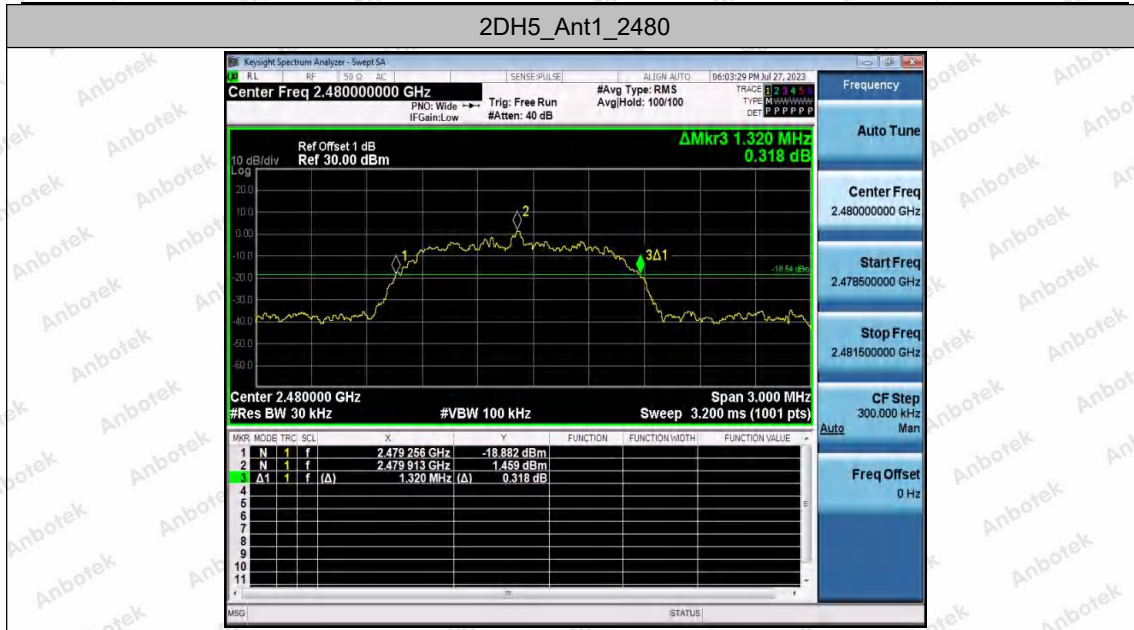


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86383	2401.4892	2402.3531	---	---
		2441	0.85525	2440.4921	2441.3473	---	---
		2480	0.85003	2479.4882	2480.3382	---	---
2DH5	Ant1	2402	1.1947	2401.3218	2402.5165	---	---
		2441	1.1920	2440.3243	2441.5163	---	---
		2480	1.1949	2479.3190	2480.5139	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



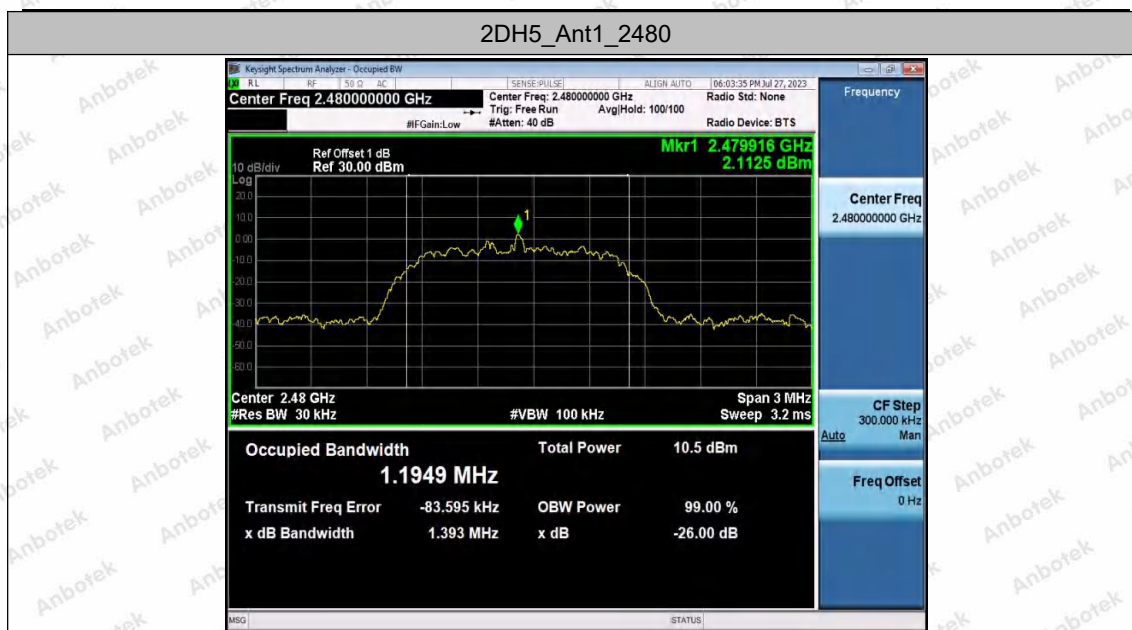
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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	4.54	≤20.97	PASS
		2441	4.79	≤20.97	PASS
		2480	4.47	≤20.97	PASS
2DH5	Ant1	2402	5.24	≤20.97	PASS
		2441	5.41	≤20.97	PASS
		2480	5.13	≤20.97	PASS



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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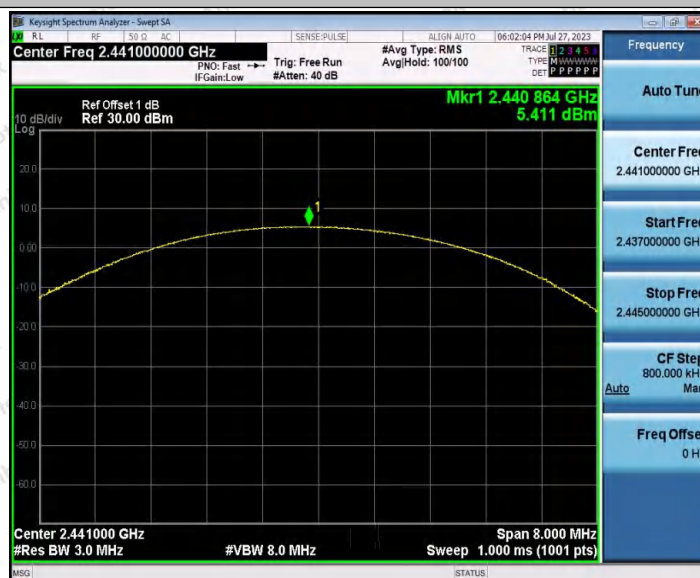




2DH5_Ant1_2402



2DH5_Ant1_2441

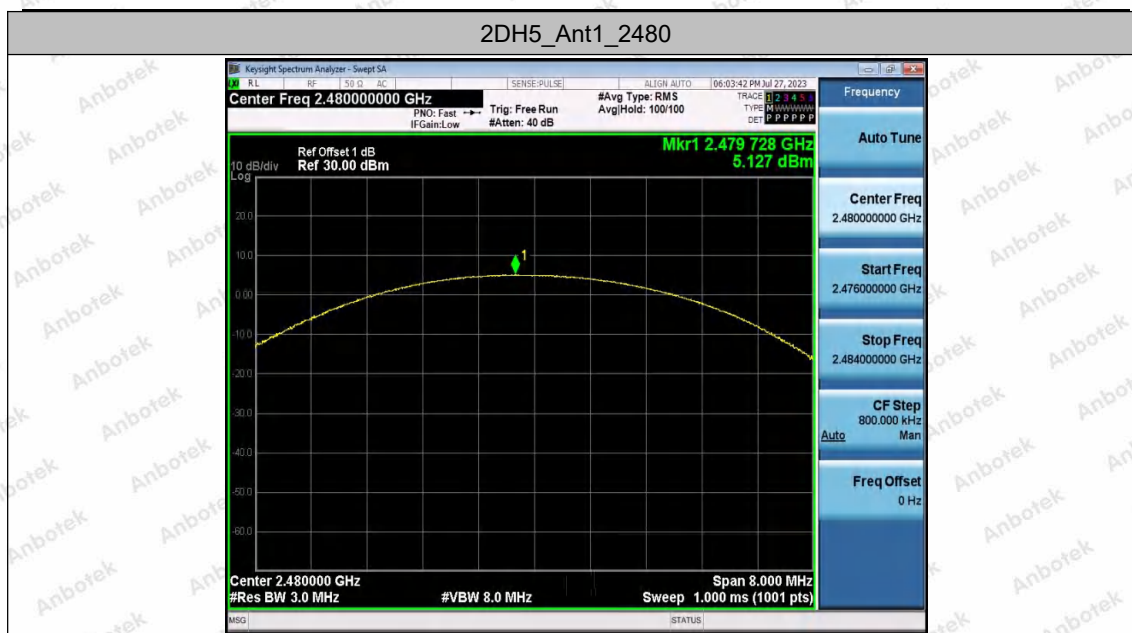
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥0.960	PASS
2DH5	Ant1	Hop	0.998	≥0.882	PASS



Test Graphs



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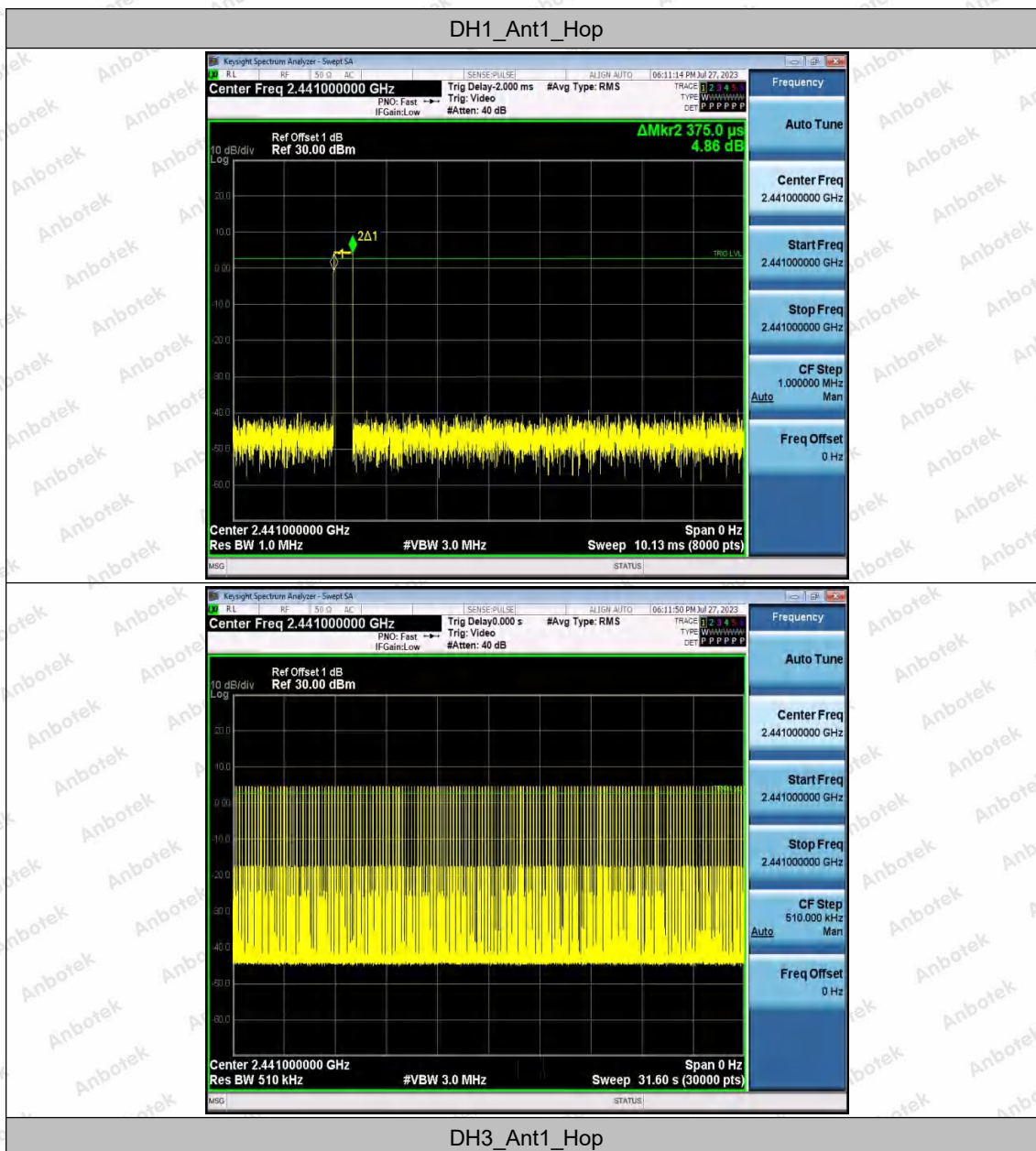
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	316	0.119	≤0.4	PASS
DH3	Ant1	Hop	1.631	161	0.263	≤0.4	PASS
DH5	Ant1	Hop	2.879	108	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.385	314	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.637	155	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.884	109	0.314	≤0.4	PASS



Test Graphs



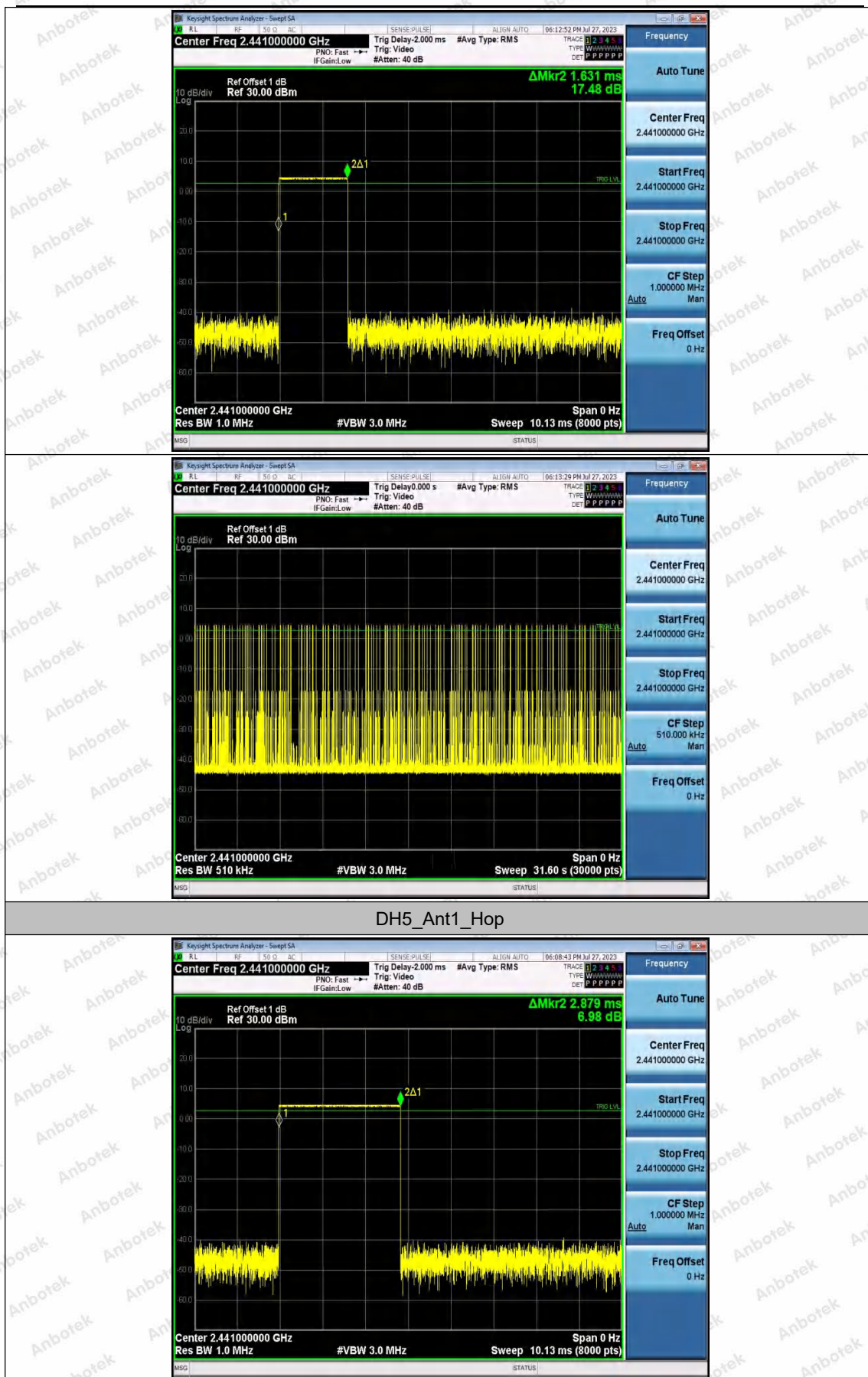
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DH5_Ant1_Hop

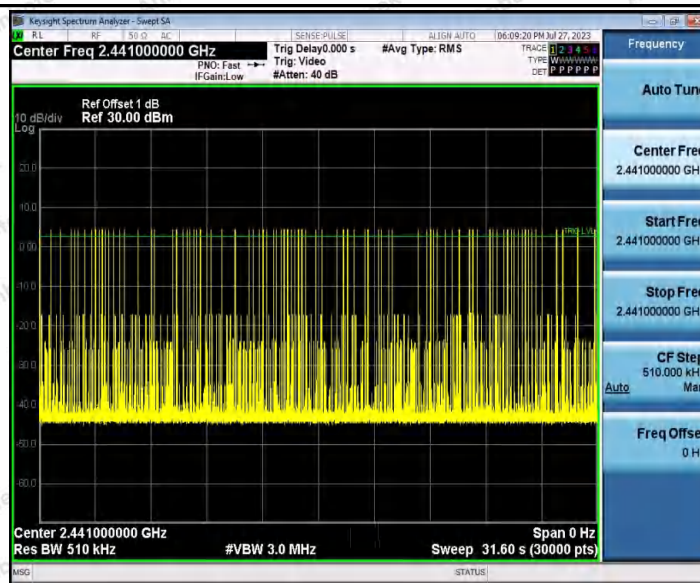
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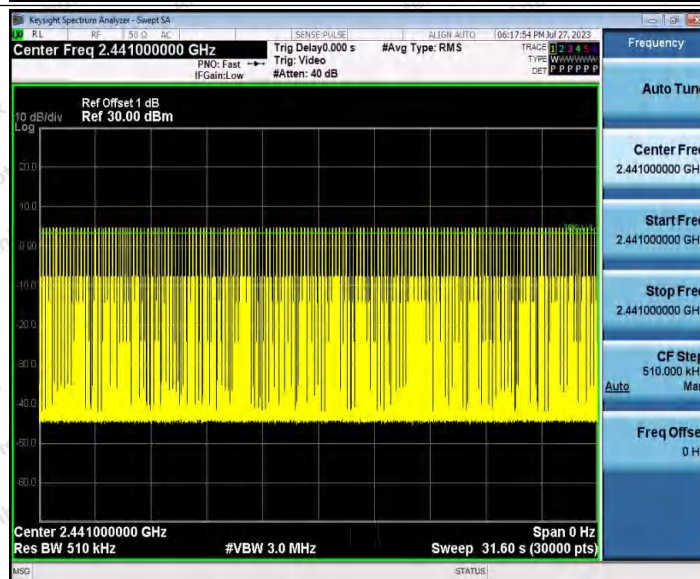
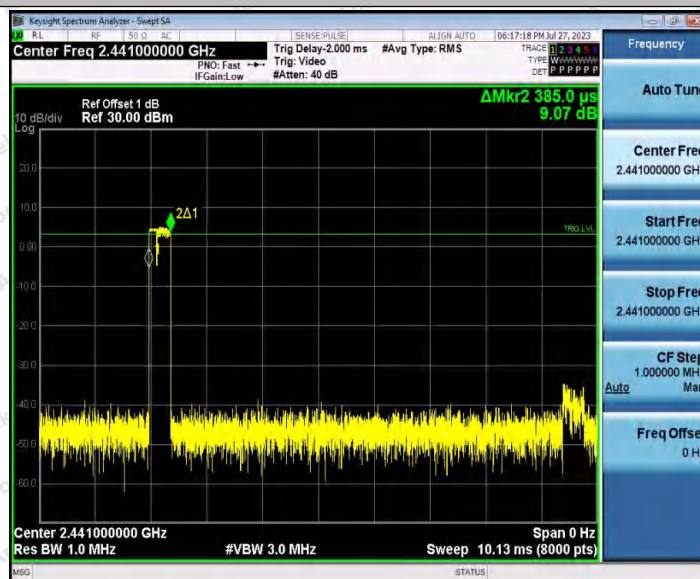


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2DH1_Ant1_Hop



2DH3_Ant1_Hop

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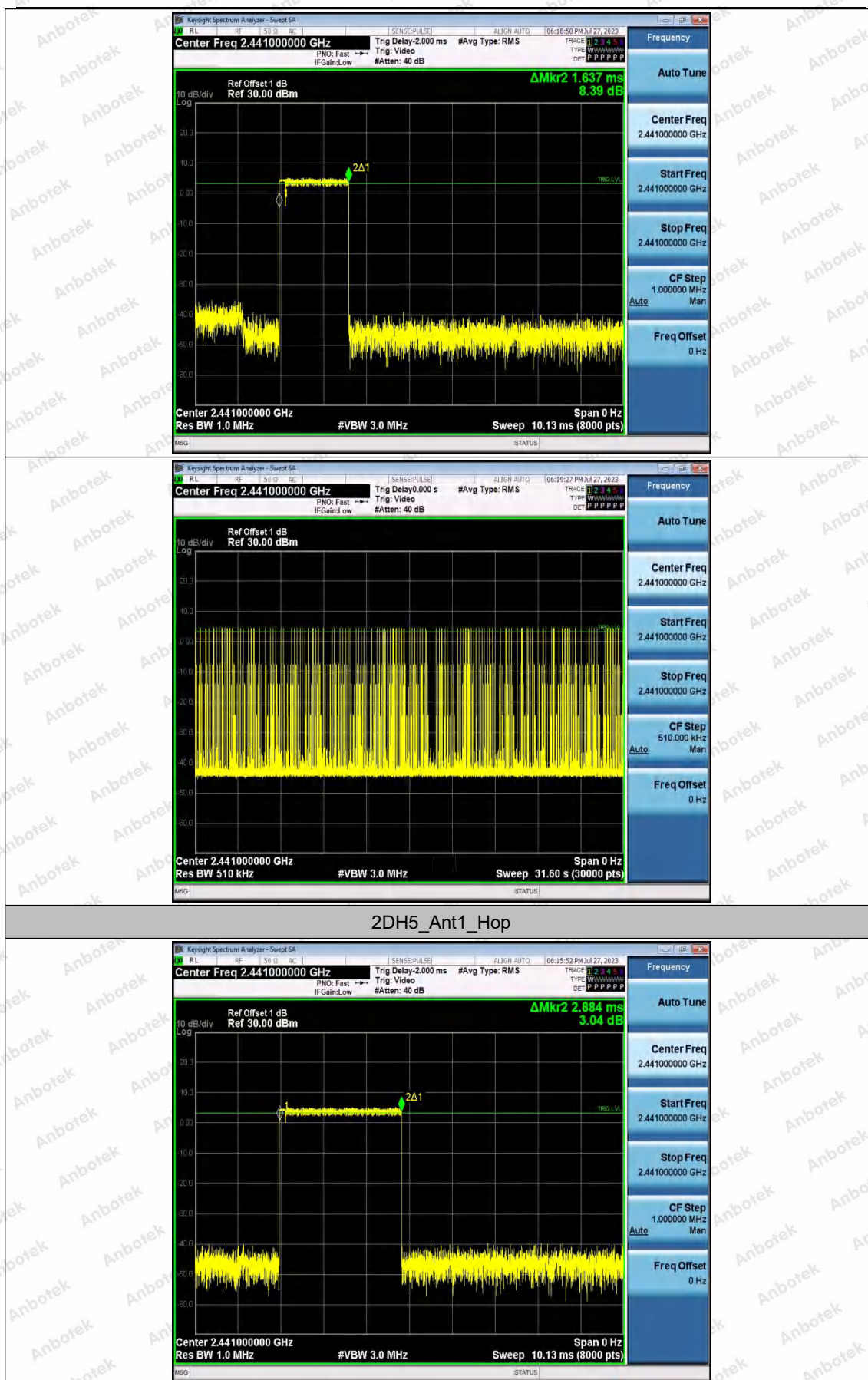


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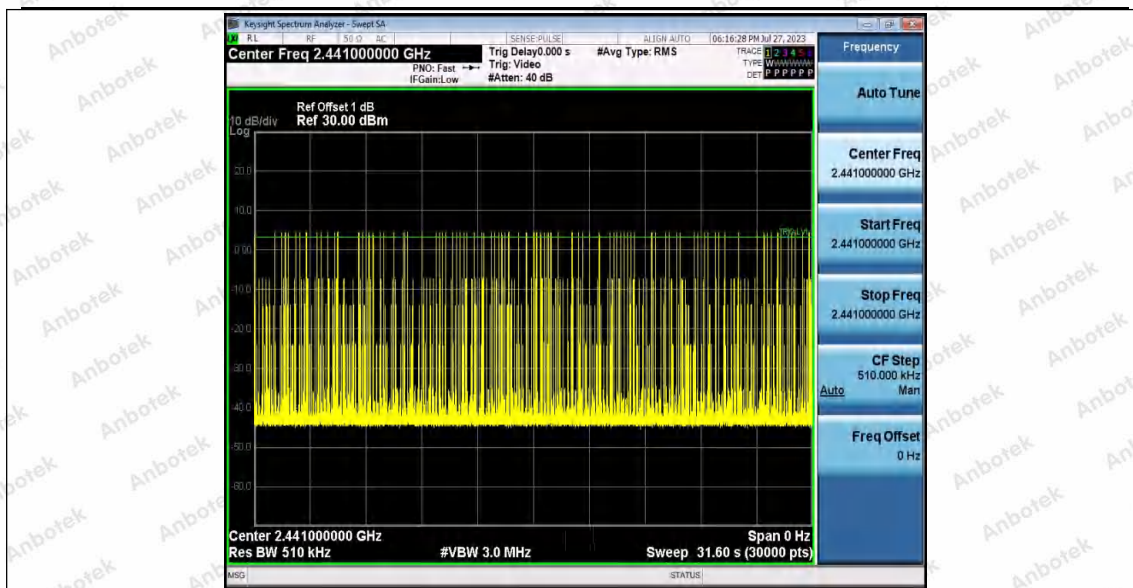


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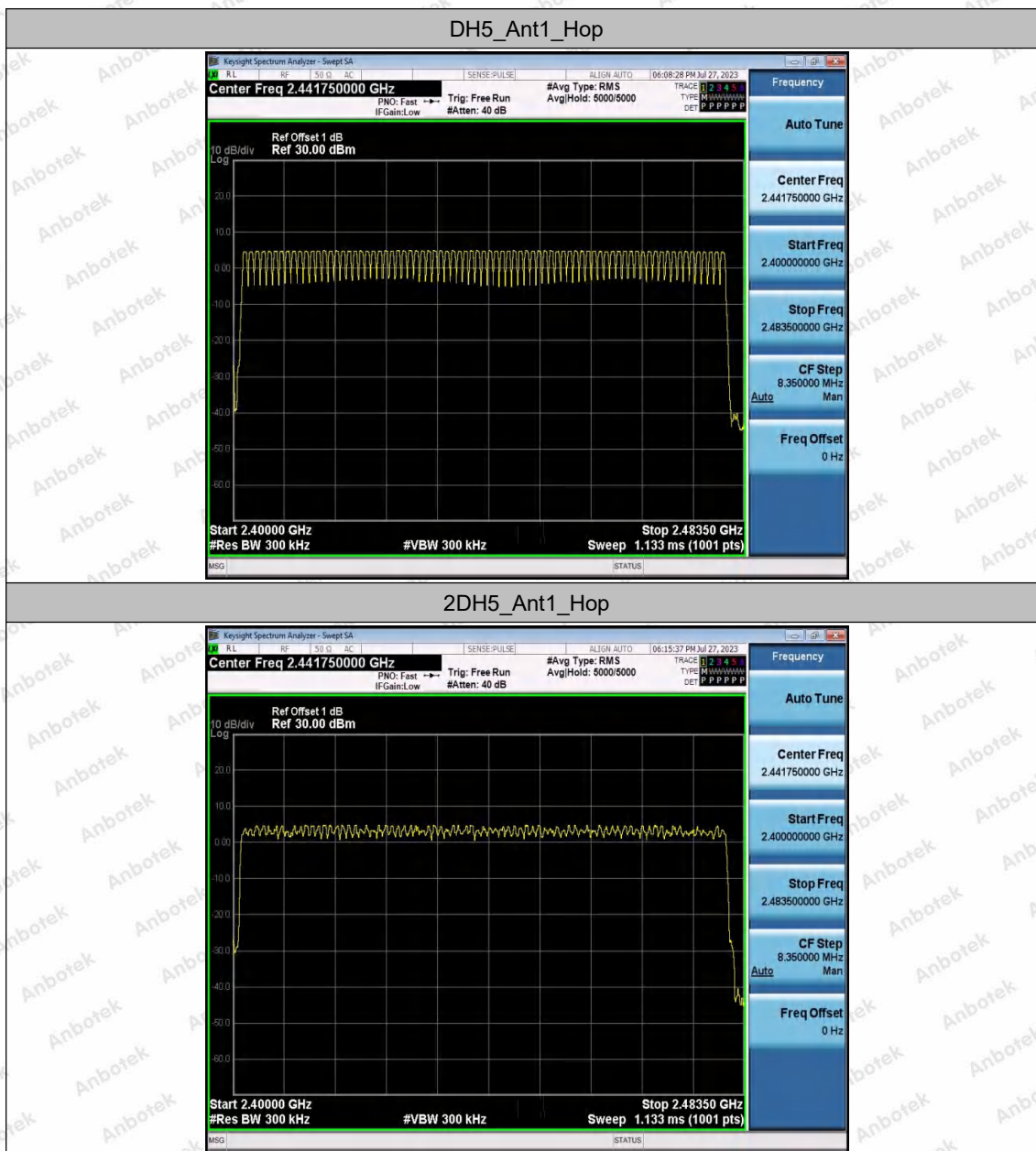
Appendix F: Number of hopping channels

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

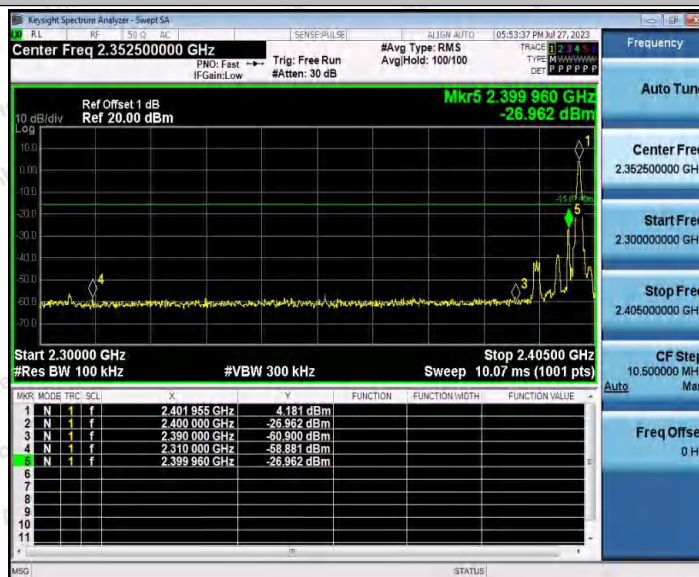
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.18	-26.96	≤-15.82	PASS
		High	2480	4.02	-53.24	≤-15.98	PASS
		Low	Hop_2402	4.25	-48.61	≤-15.75	PASS
		High	Hop_2480	4.22	-51.92	≤-15.78	PASS
2DH5	Ant1	Low	2402	4.21	-26.57	≤-15.79	PASS
		High	2480	2.86	-54.94	≤-17.14	PASS
		Low	Hop_2402	2.97	-57.35	≤-17.03	PASS
		High	Hop_2480	3.88	-52.32	≤-16.12	PASS

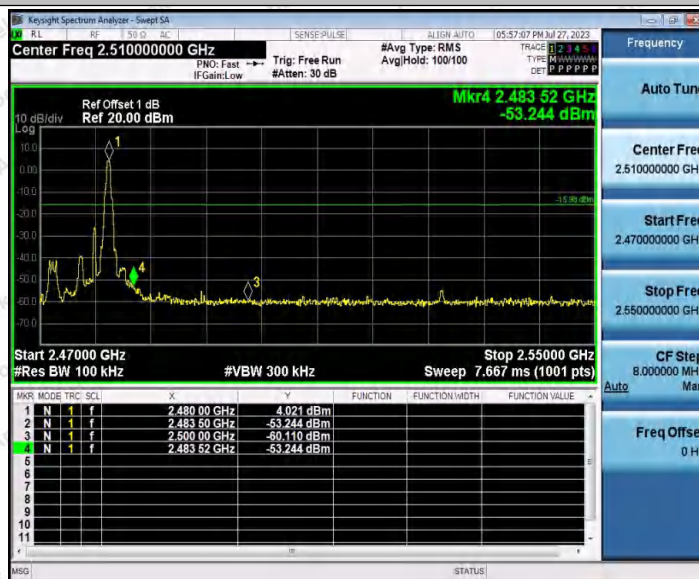


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

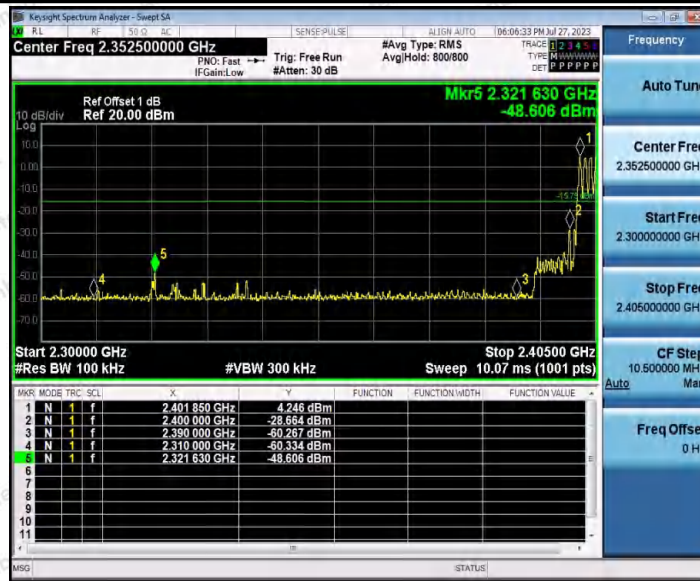
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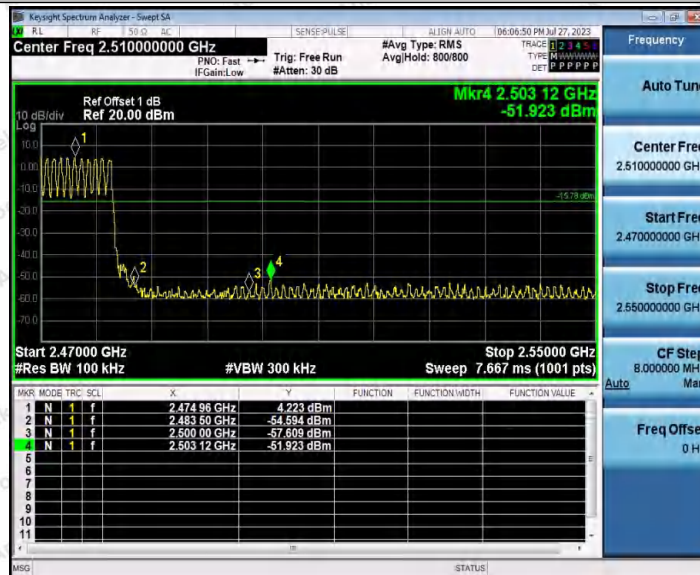


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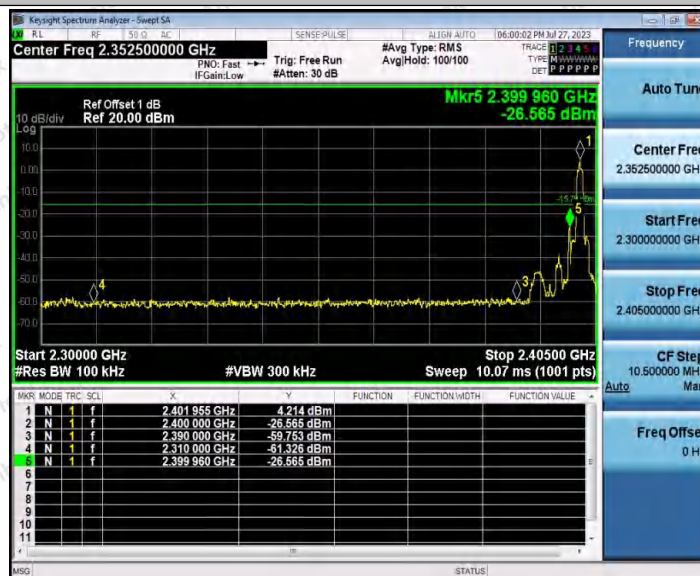




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



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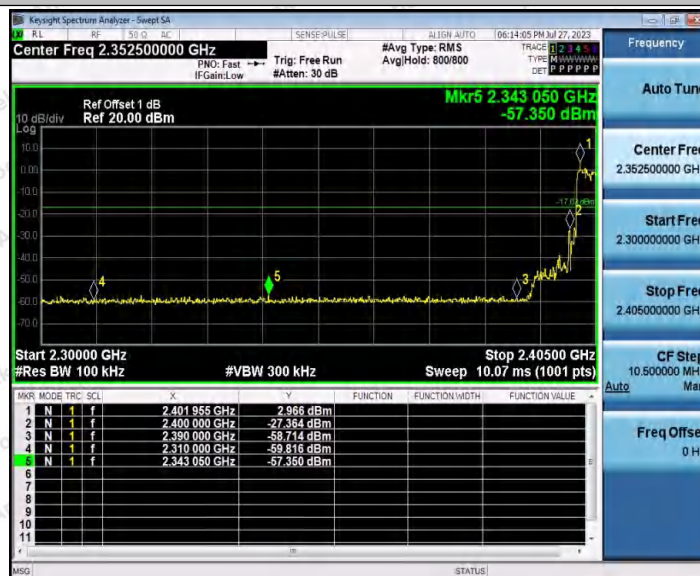
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

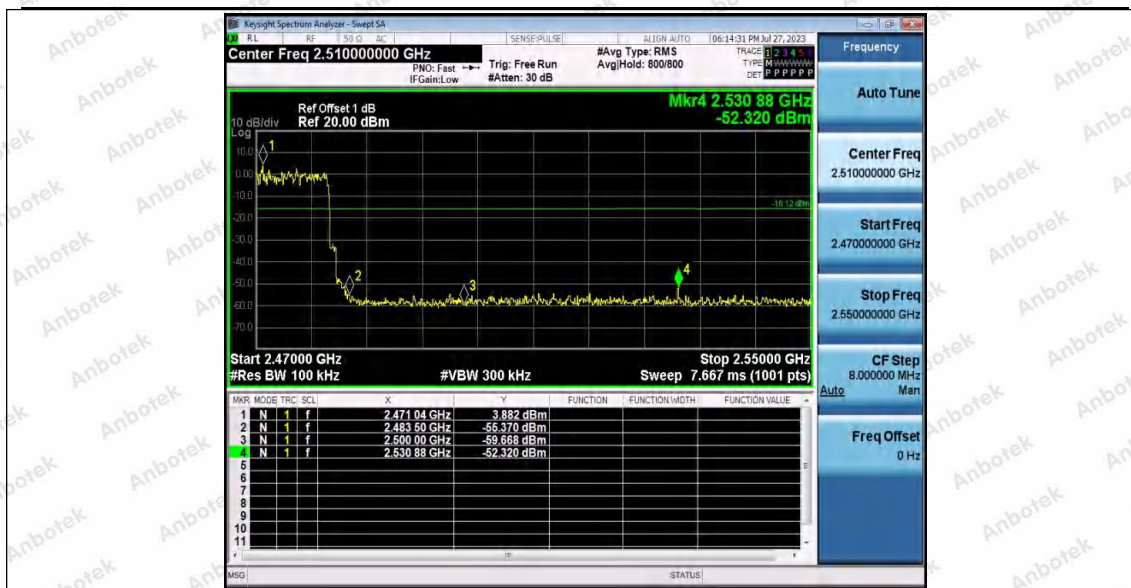
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-52.35	≤-16.43	PASS
			1000~26500	3.57	-36.52	≤-16.43	PASS
		2441	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-52.6	≤-15.9	PASS
			1000~26500	4.10	-36.4	≤-15.9	PASS
		2480	Reference	3.49	3.49	---	PASS
			30~1000	3.49	-53.68	≤-16.51	PASS
			1000~26500	3.49	-36.42	≤-16.51	PASS
2DH5	Ant1	2402	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-53.55	≤-15.69	PASS
			1000~26500	4.31	-40.39	≤-15.69	PASS
		2441	Reference	4.55	4.55	---	PASS
			30~1000	4.55	-53.01	≤-15.45	PASS
			1000~26500	4.55	-40.81	≤-15.45	PASS
		2480	Reference	4.23	4.23	---	PASS
			30~1000	4.23	-52.07	≤-15.77	PASS
			1000~26500	4.23	-41.71	≤-15.77	PASS

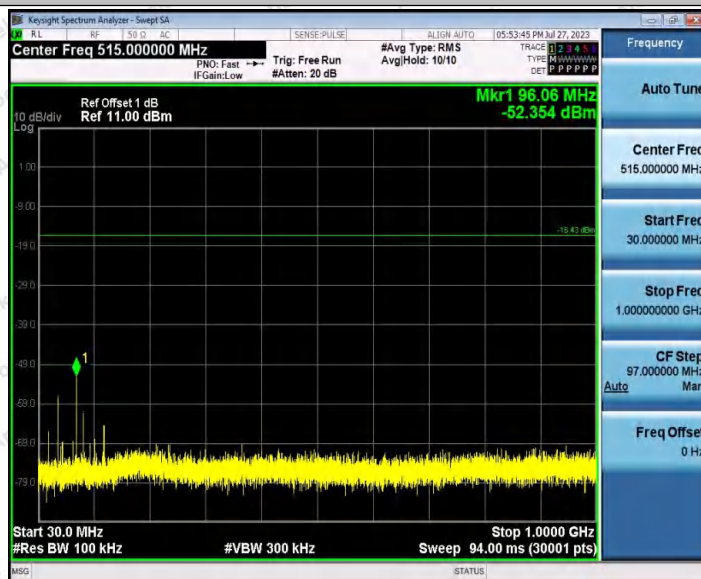


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

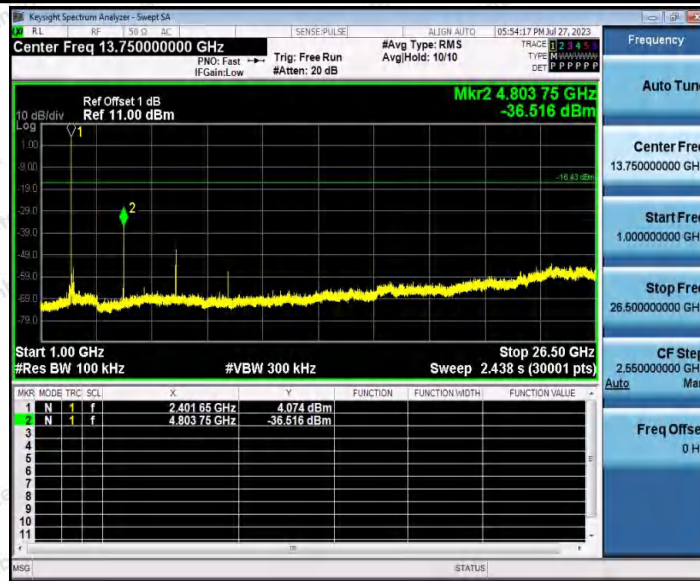
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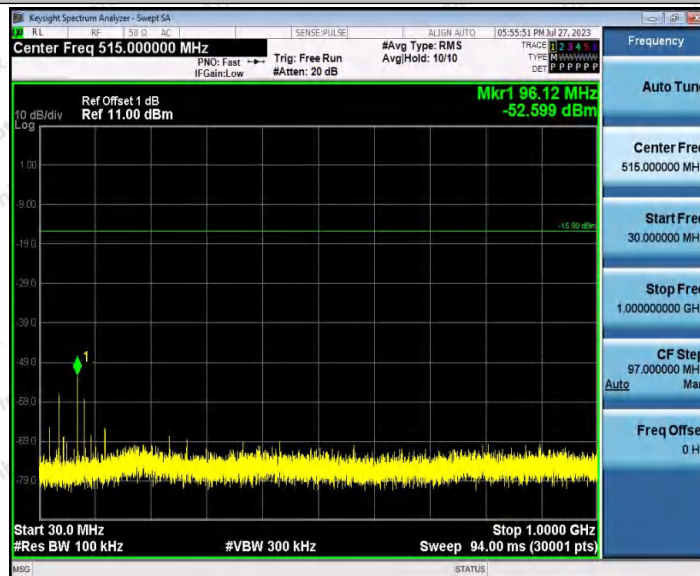




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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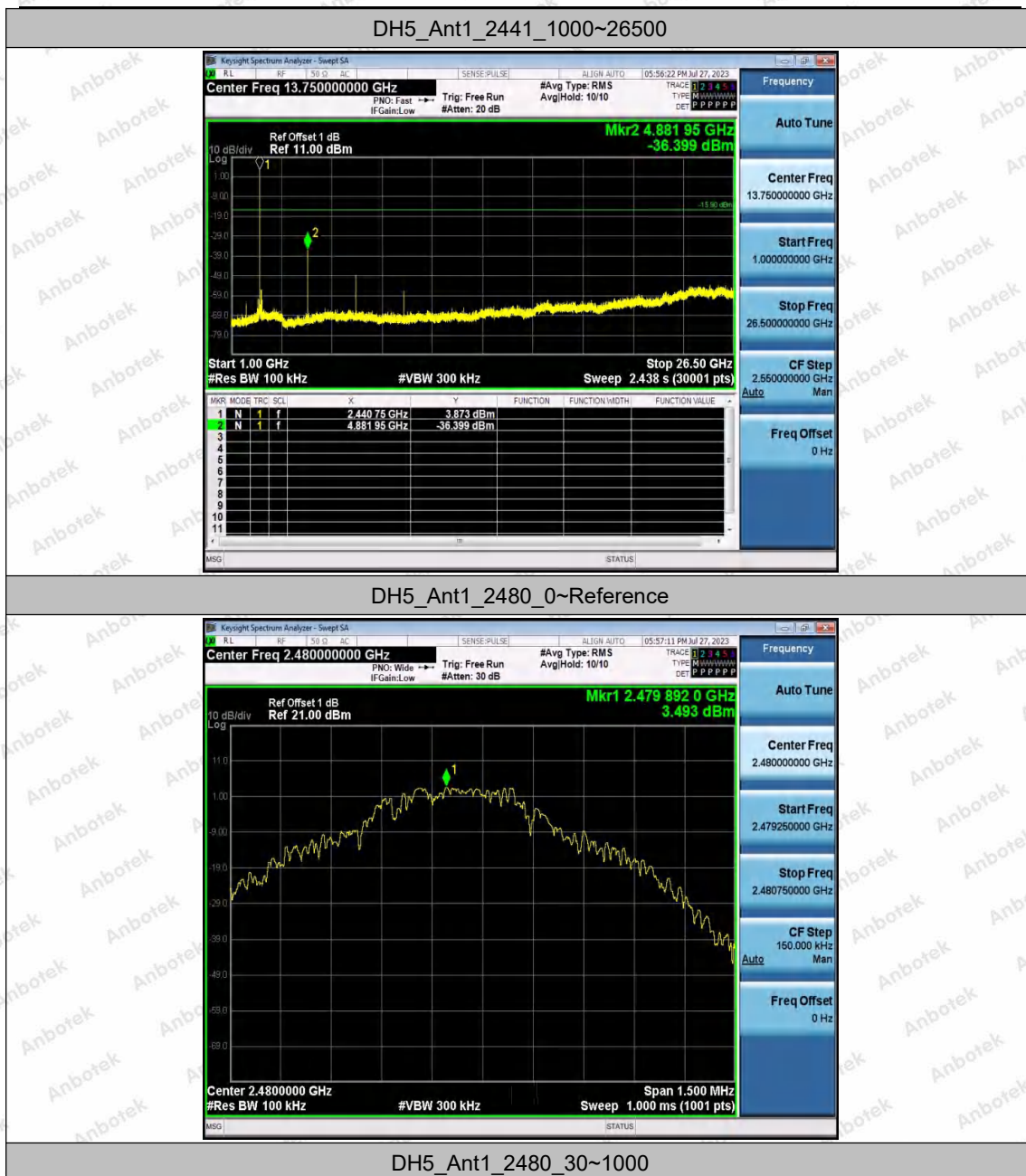


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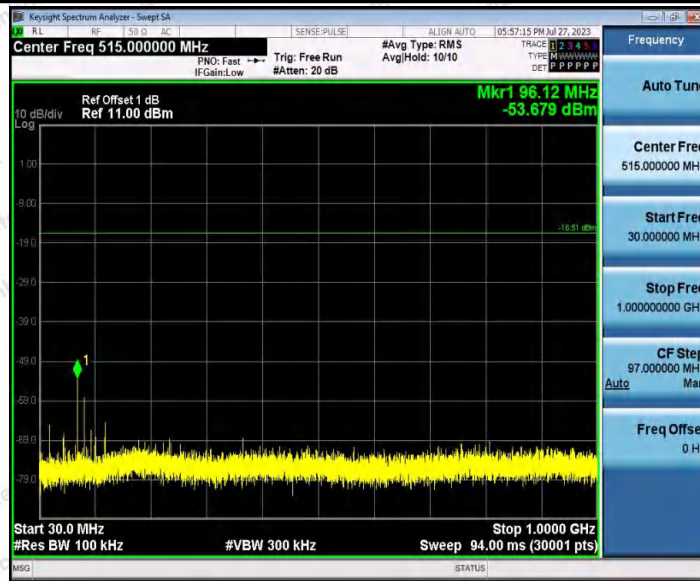
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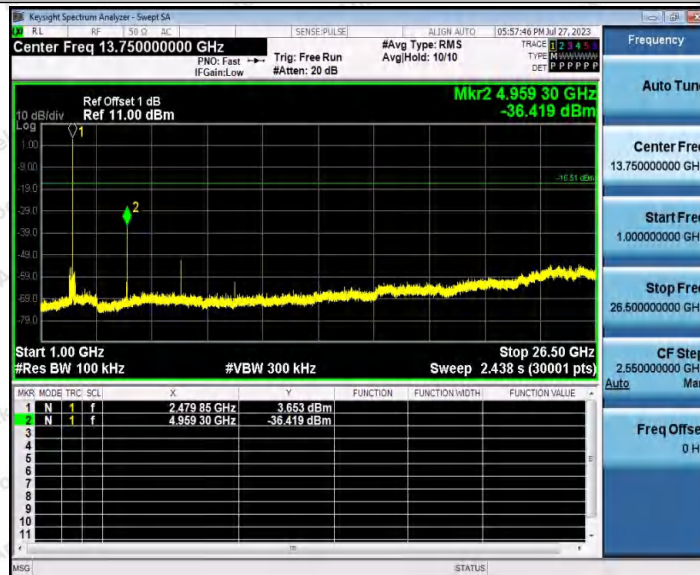


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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



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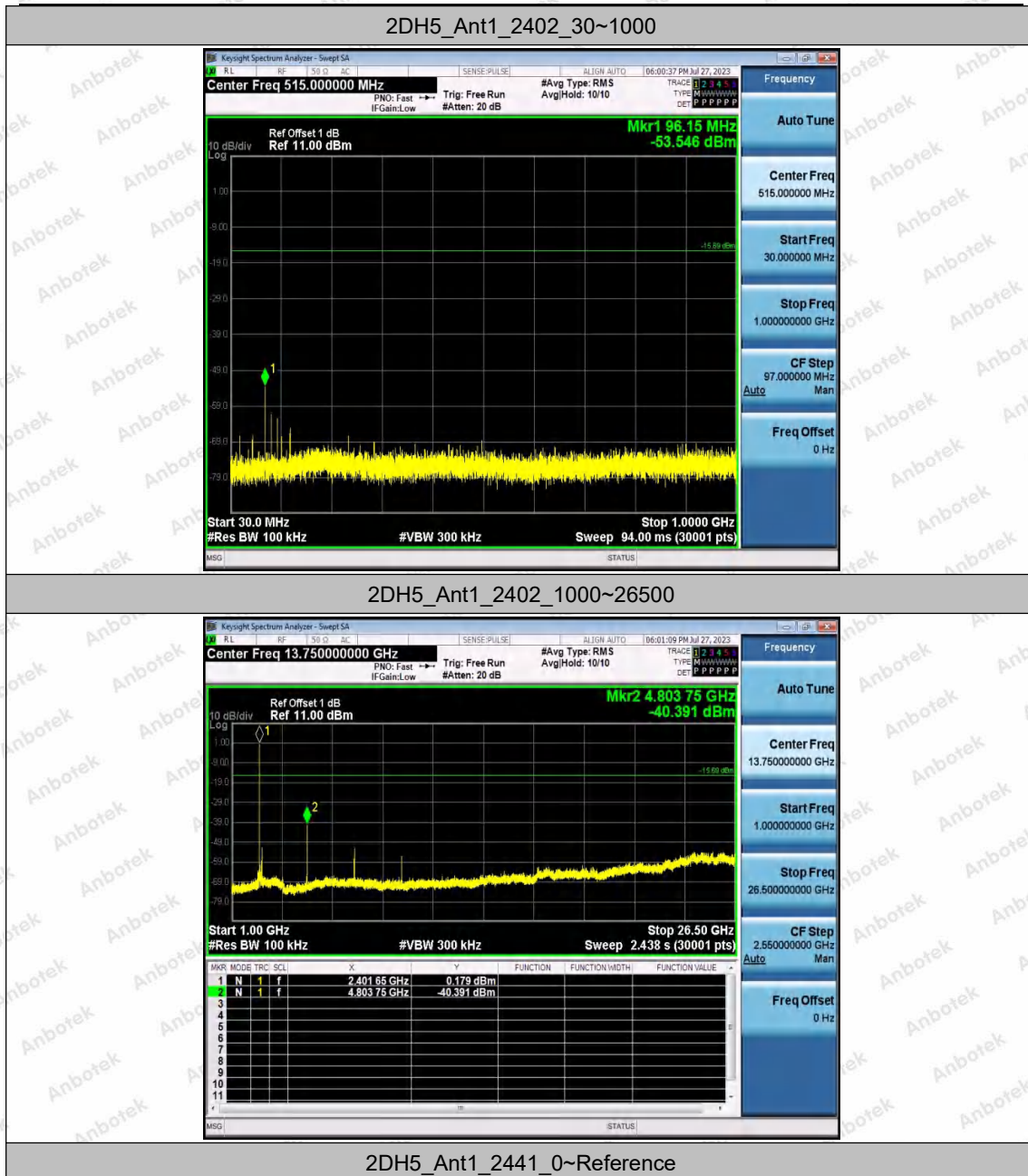


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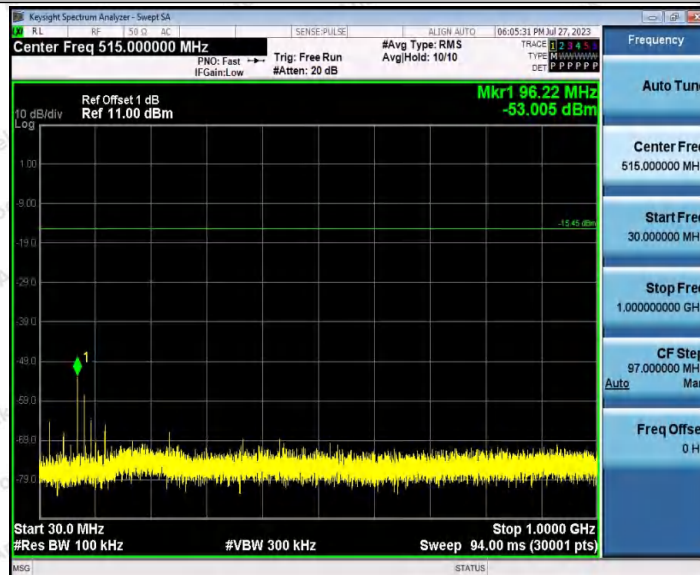


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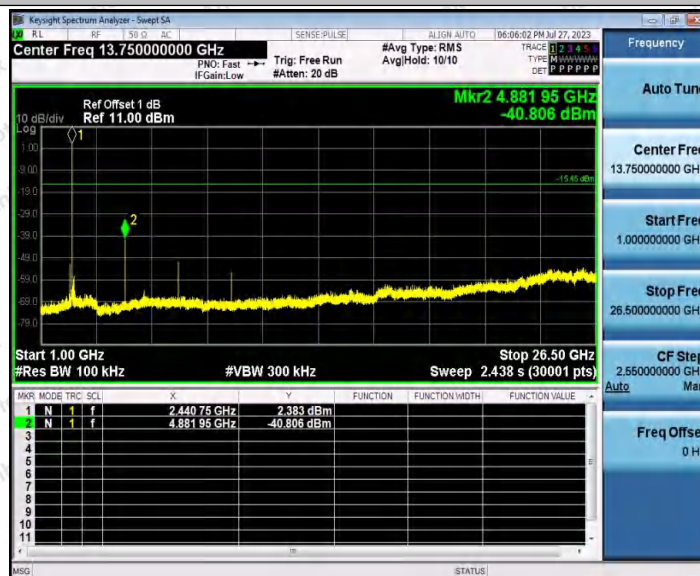




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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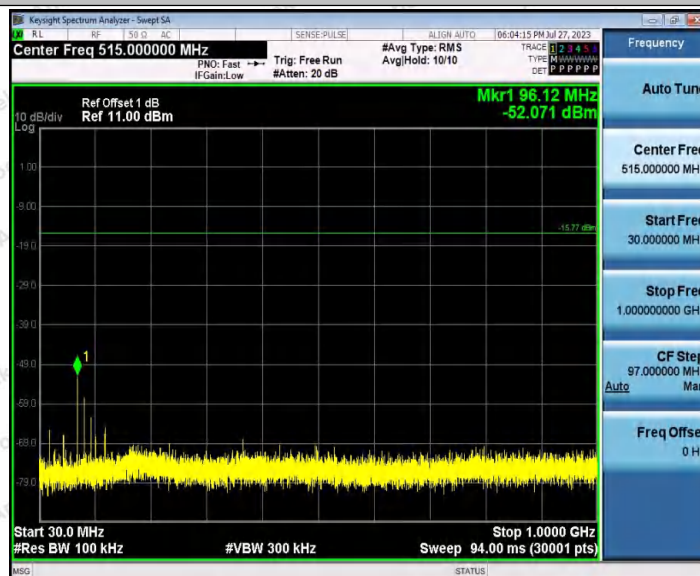
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

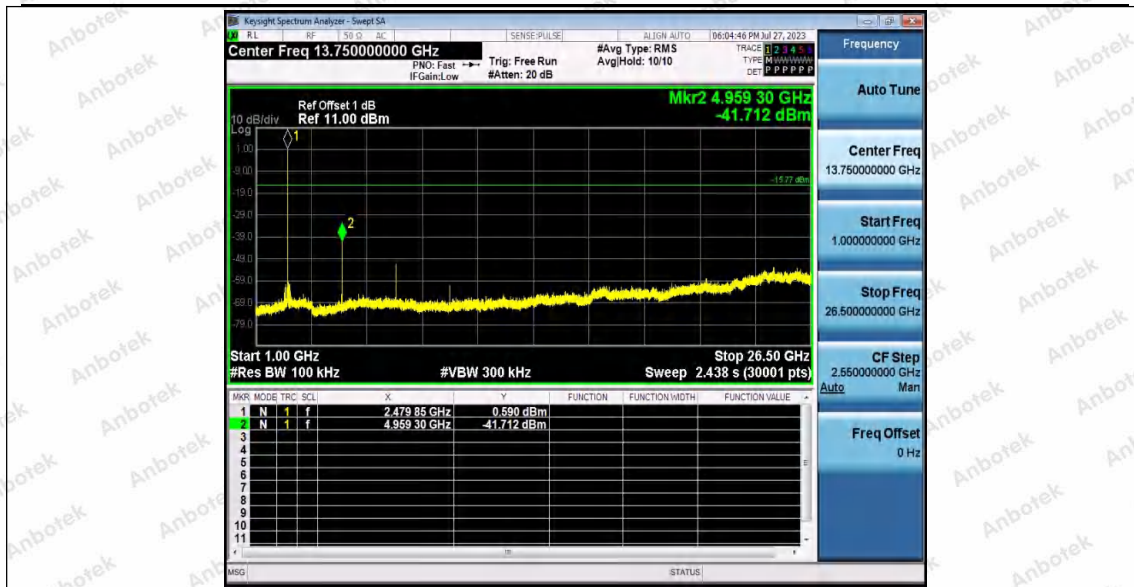
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Appendix I: Duty Cycle

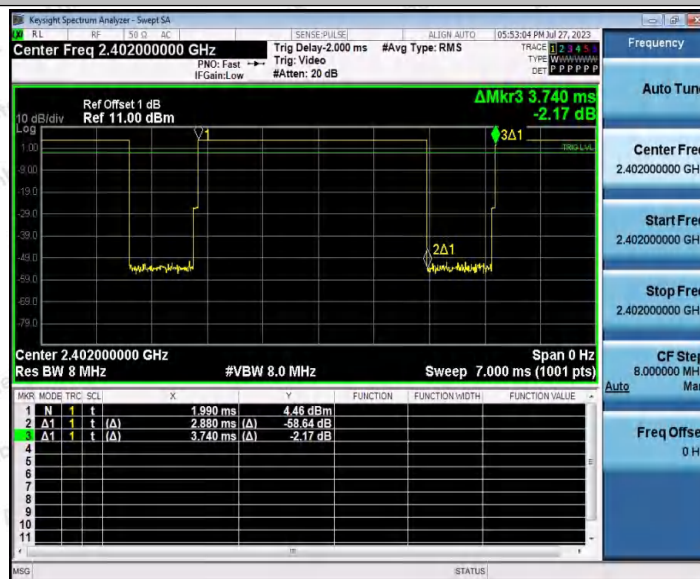
Test Result

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	3.75	76.80	1.15
		2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
		2441	2.89	3.75	77.07	1.13
		2480	2.88	3.74	77.01	1.13

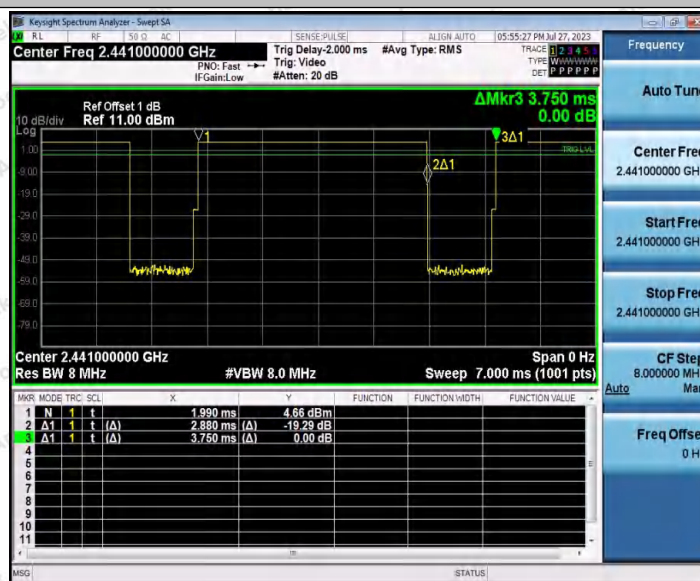


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

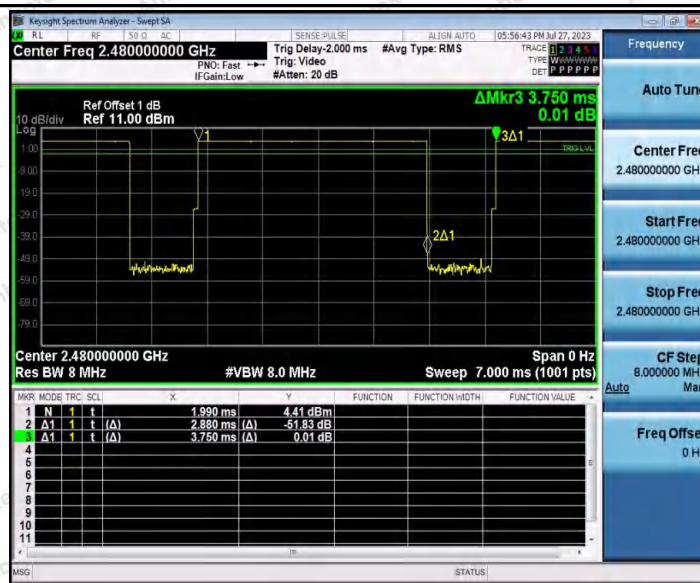
Shenzhen Anbotek Compliance Laboratory Limited

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 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

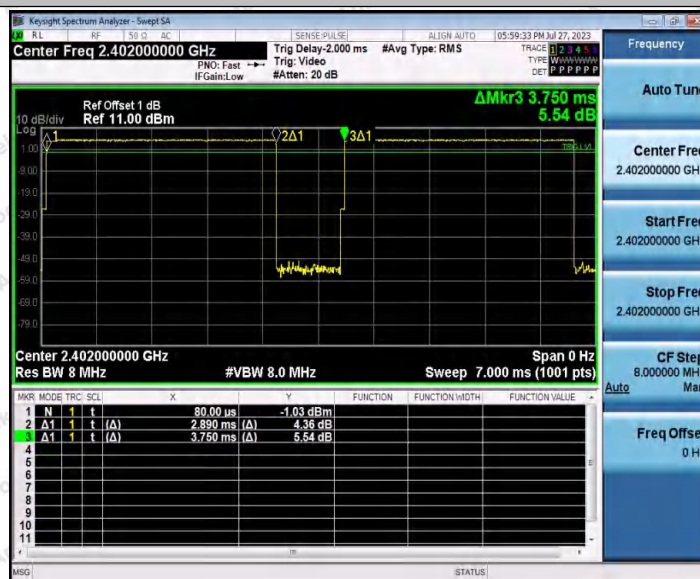


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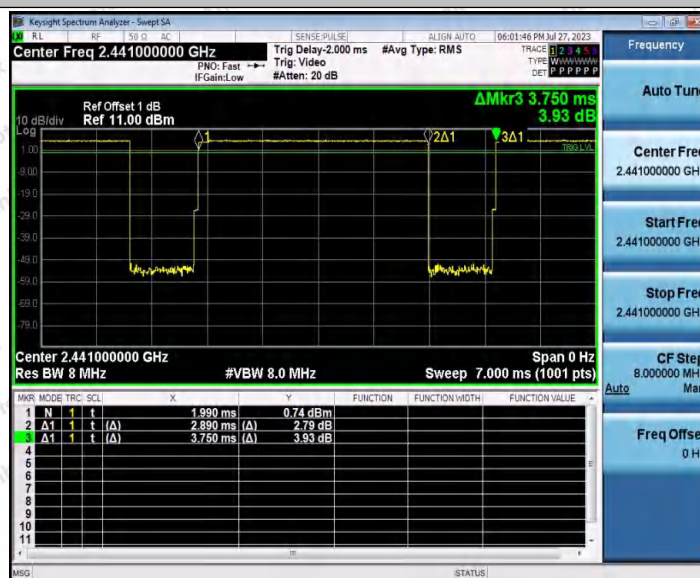




2DH5_Ant1_2402



2DH5_Ant1_2441

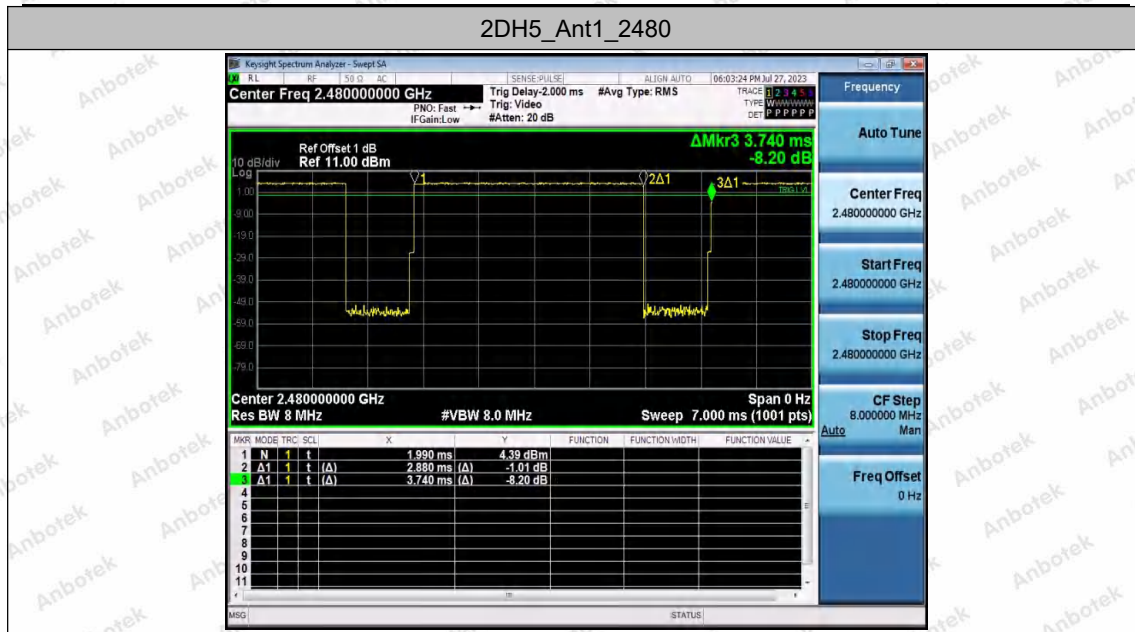


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