

Appendix Test Data

Report No.:	18220WC30085701	Test Sample No.:	1-2-2
Start Test Date:	2023.05.15	Finish Test Date:	2023.05.17
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	25.5℃	Relative Humidity:	51%
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	2401.514	2402.468	---	---
		2441	0.954	2440.514	2441.468	---	---
		2480	0.951	2479.514	2480.465	---	---
2DH5	Ant1	2402	1.314	2401.316	2402.630	---	---
		2441	1.323	2440.313	2441.636	---	---
		2480	1.323	2479.310	2480.633	---	---



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	0.85255	2401.5453	2402.3978	---	---
		2441	0.85645	2440.5451	2441.4016	---	---
		2480	0.85742	2479.5369	2480.3943	---	---
2DH5	Ant1	2402	1.1871	2401.3837	2402.5708	---	---
		2441	1.1795	2440.3846	2441.5641	---	---
		2480	1.1741	2479.3892	2480.5633	---	---



Test Graphs



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2DH5_Ant1_2402



2DH5_Ant1_2441



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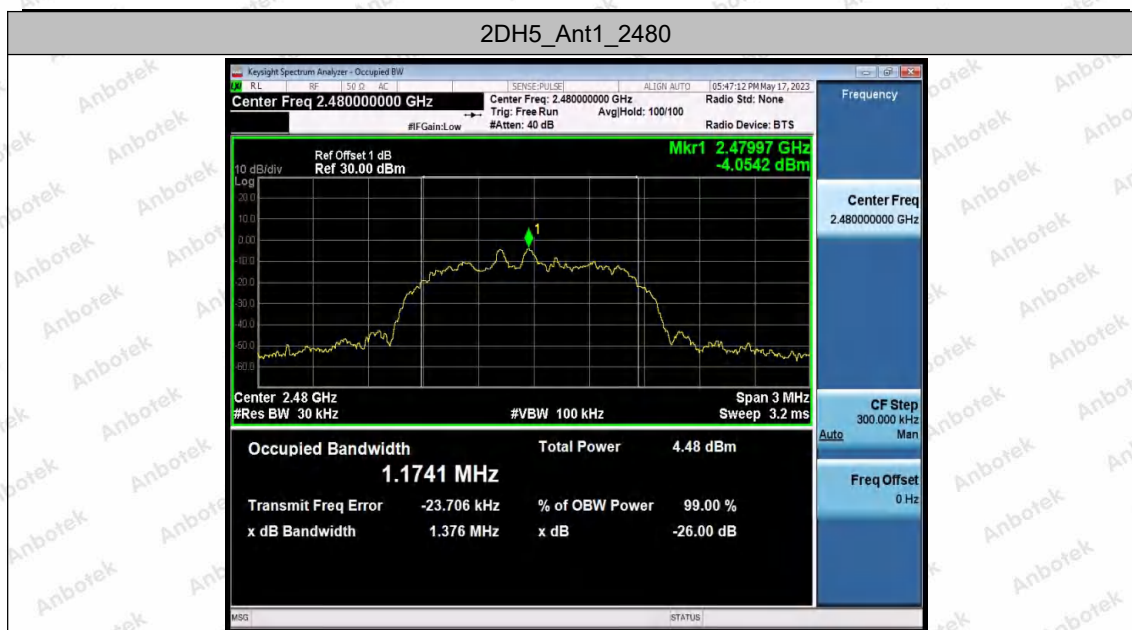


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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.53	≤20.97	PASS
		2441	-1.88	≤20.97	PASS
		2480	-1.85	≤20.97	PASS
2DH5	Ant1	2402	-1.69	≤20.97	PASS
		2441	-1.08	≤20.97	PASS
		2480	-1.16	≤20.97	PASS



Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

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2DH5_Ant1_2402



2DH5_Ant1_2441



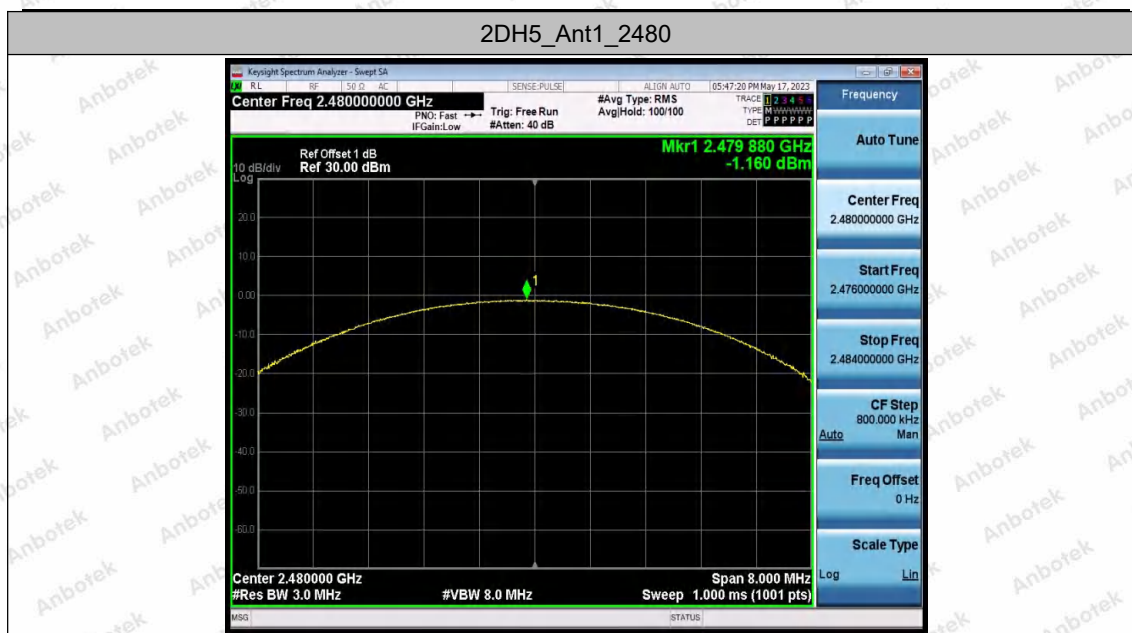
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.954	PASS
2DH5	Ant1	Hop	0.99	≥0.882	PASS



Test Graphs



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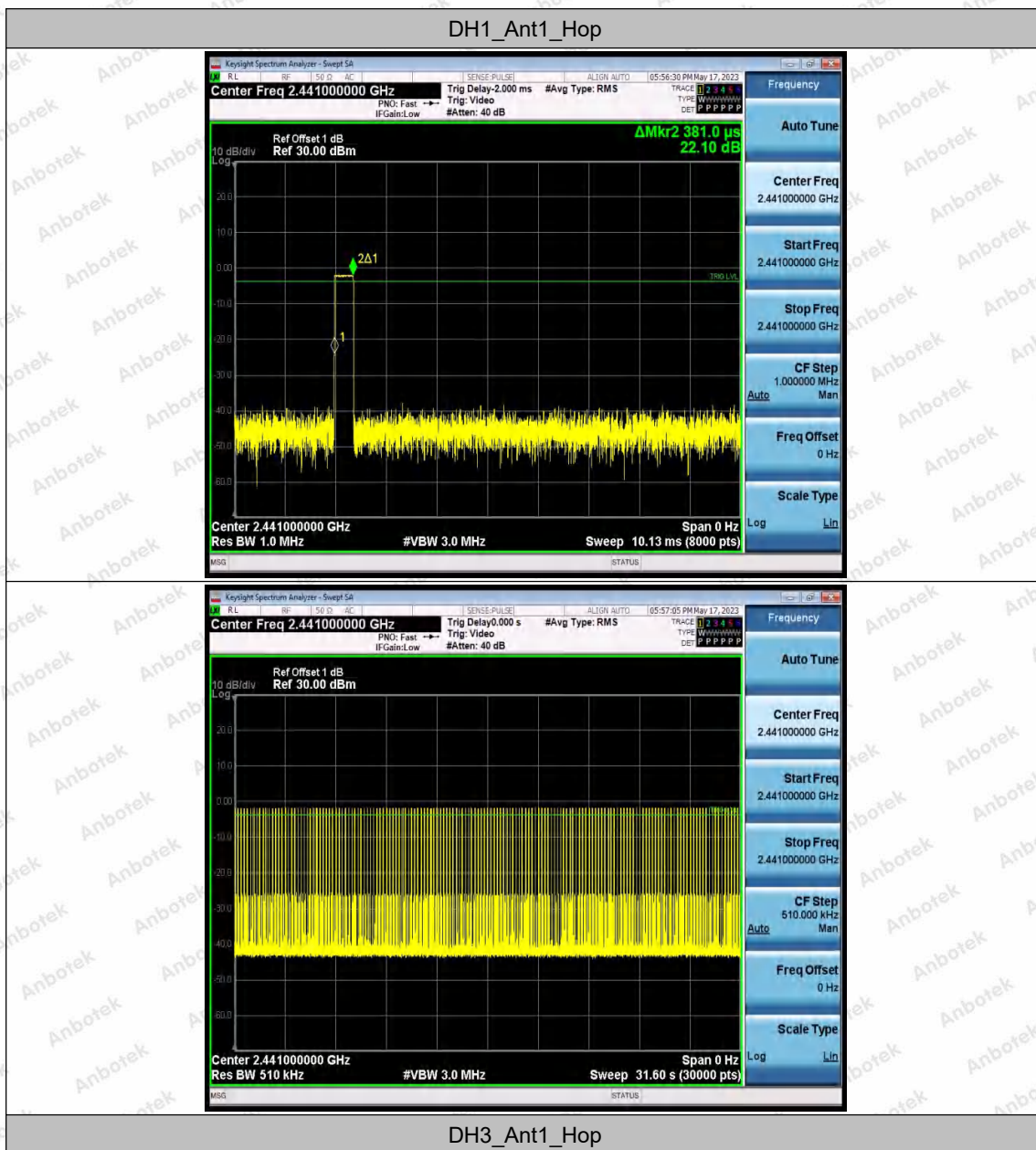
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.381	319	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.637	162	0.265	≤0.4	PASS
DH5	Ant1	Hop	2.885	118	0.34	≤0.4	PASS
2DH1	Ant1	Hop	0.389	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.643	169	0.278	≤0.4	PASS
2DH5	Ant1	Hop	2.889	125	0.361	≤0.4	PASS



Test Graphs



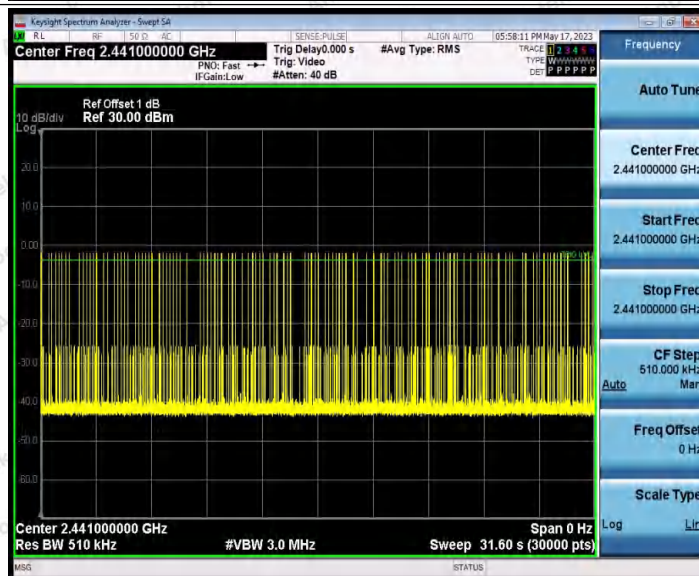
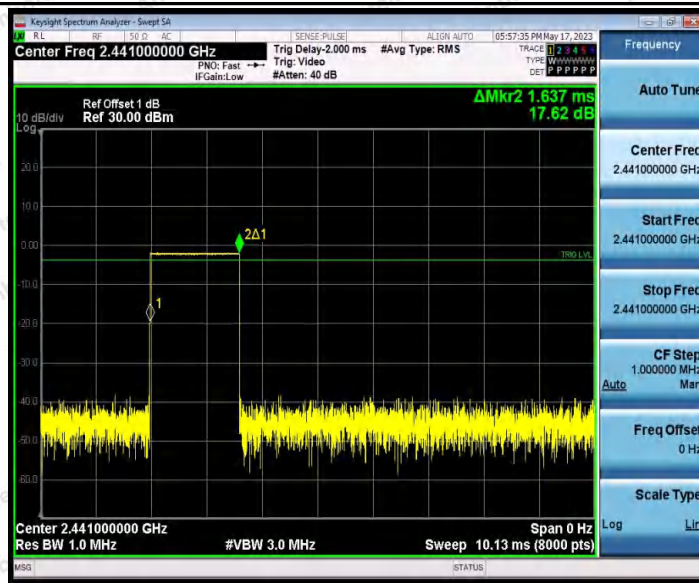
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DH5_Ant1_Hop



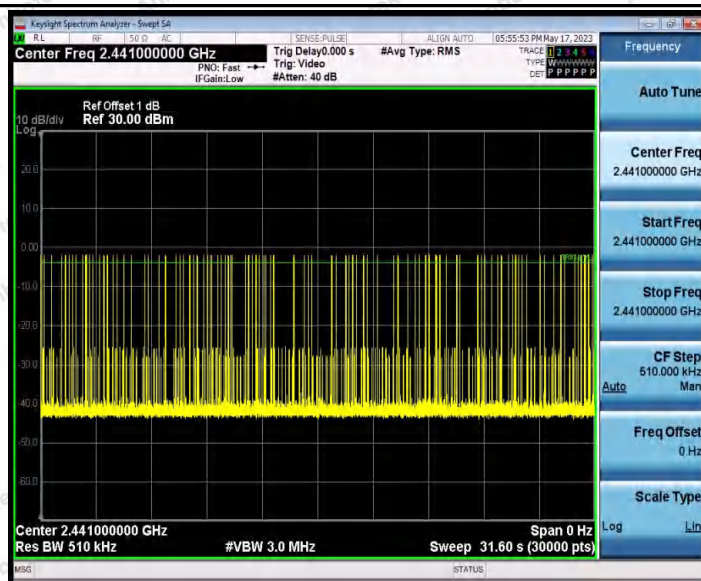
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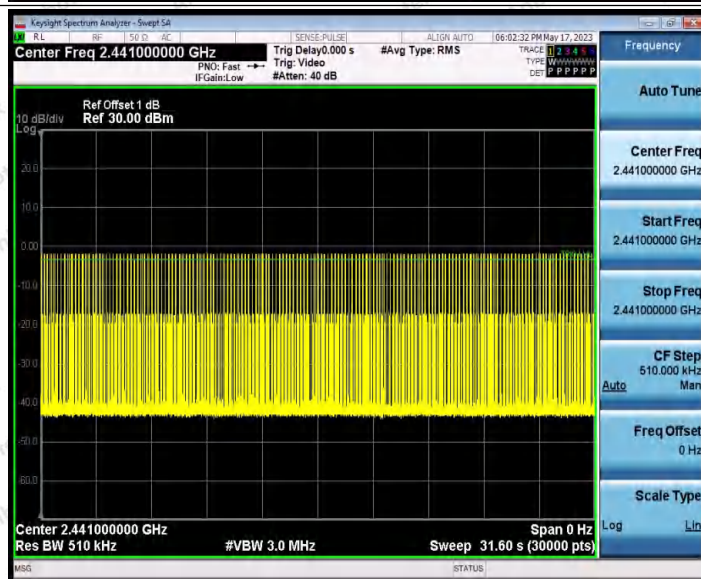
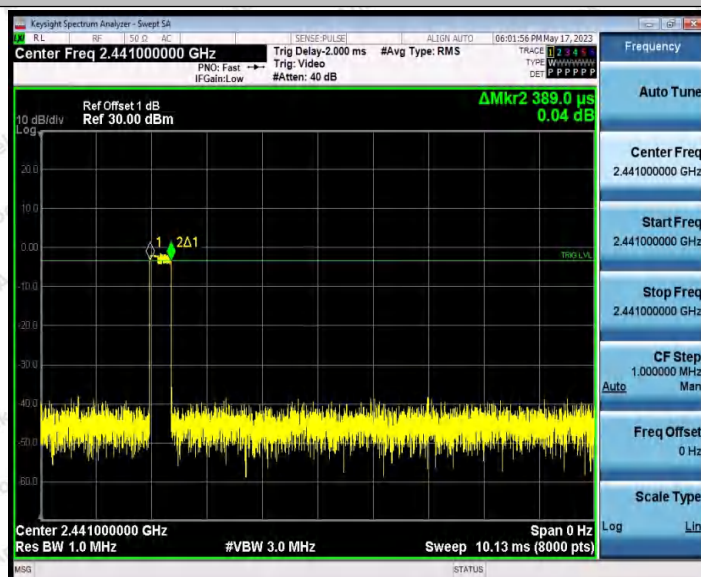


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2DH1_Ant1_Hop



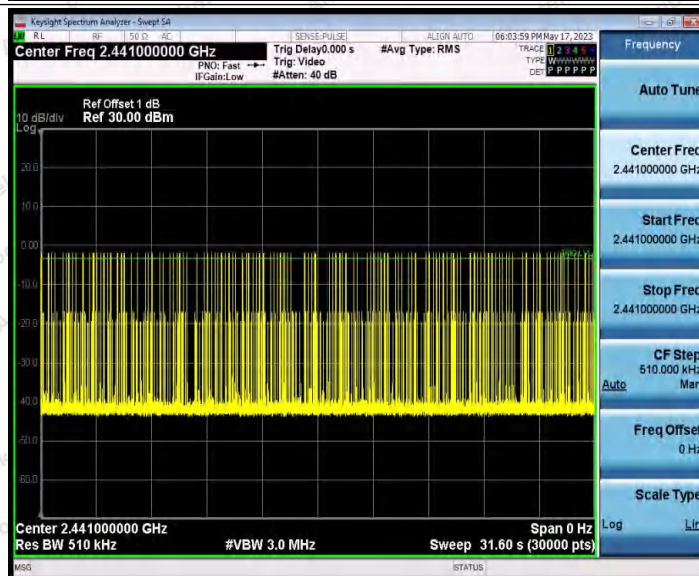
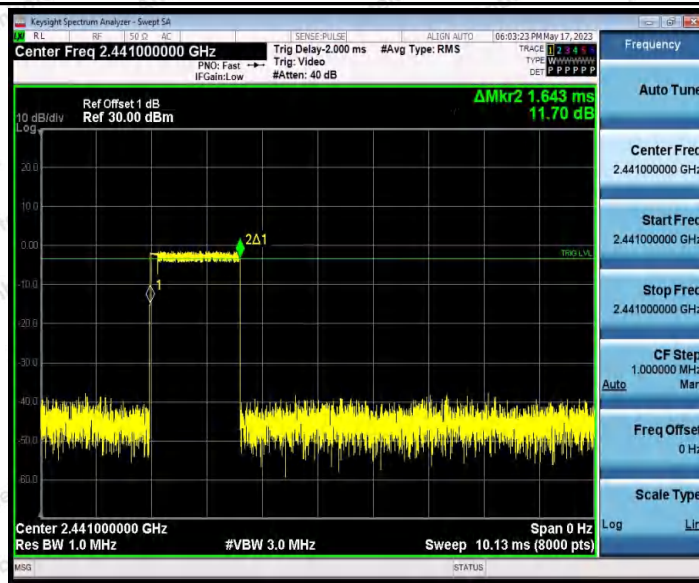
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2DH5_Ant1_Hop



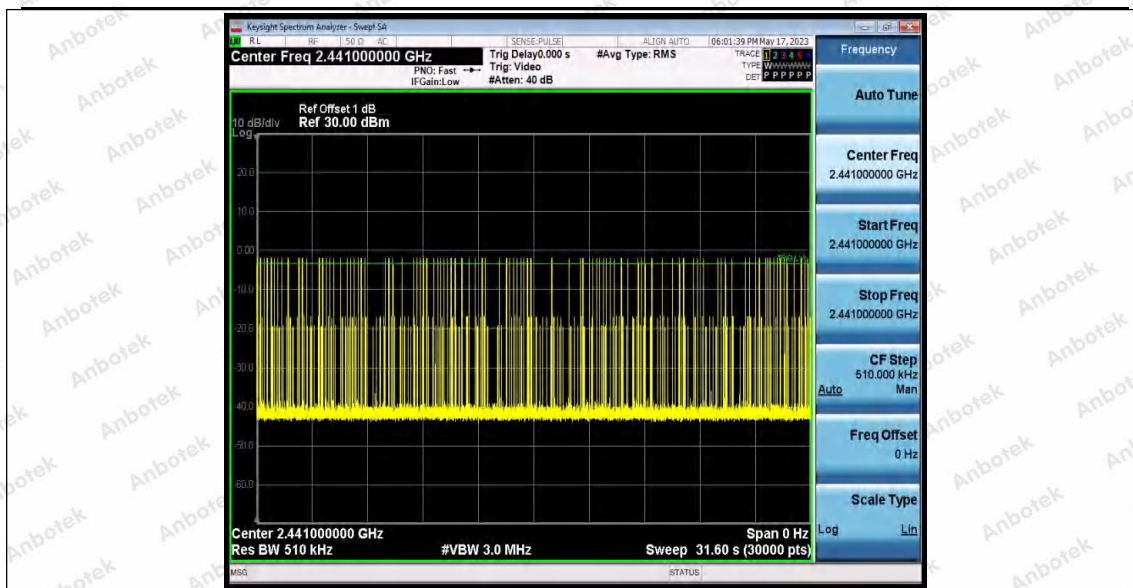
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



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Appendix G: Band edge measurements

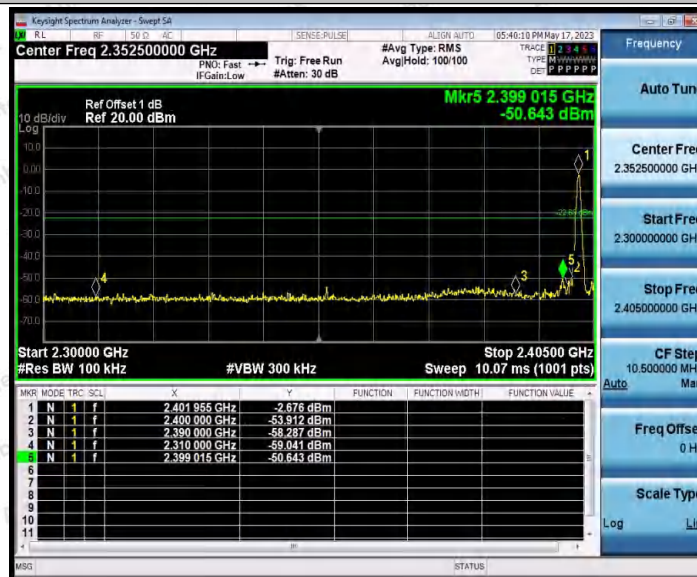
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.68	-50.64	≤-22.68	PASS
		High	2480	-1.94	-52.53	≤-21.94	PASS
		Low	Hop_2402	-2.49	-54.43	≤-22.49	PASS
		High	Hop_2480	-1.69	-54.8	≤-21.69	PASS
2DH5	Ant1	Low	2402	-2.49	-52.38	≤-22.49	PASS
		High	2480	-1.66	-53.5	≤-21.66	PASS
		Low	Hop_2402	-3.35	-54.37	≤-23.35	PASS
		High	Hop_2480	-1.62	-53.33	≤-21.62	PASS

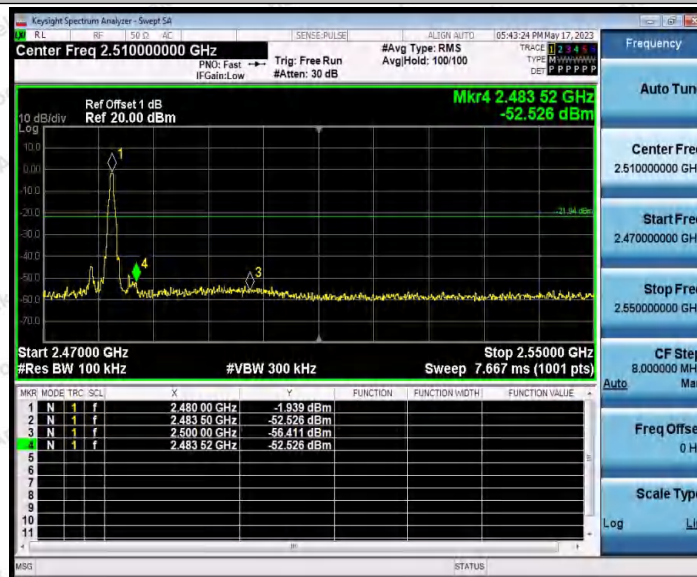


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

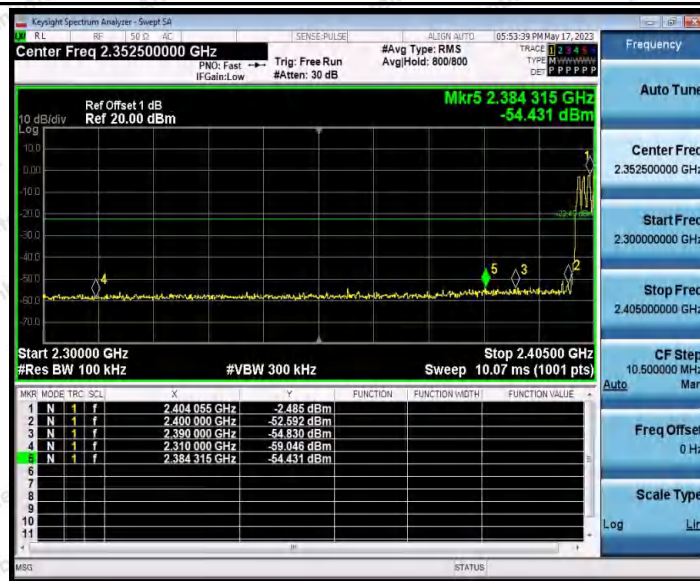
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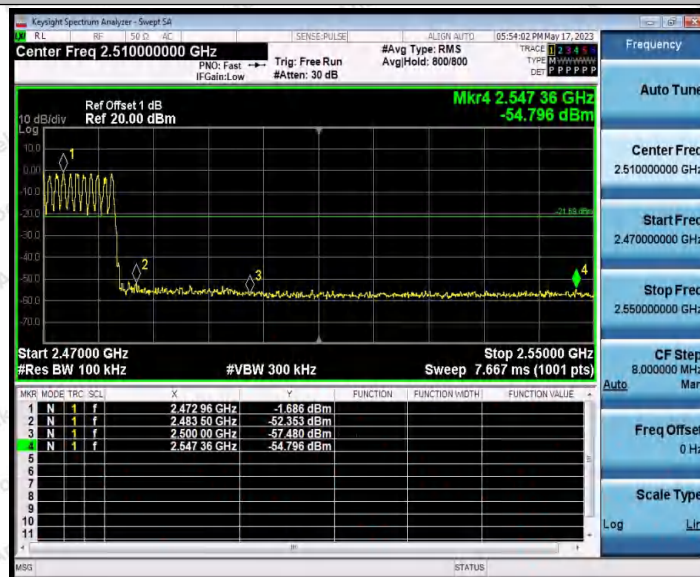


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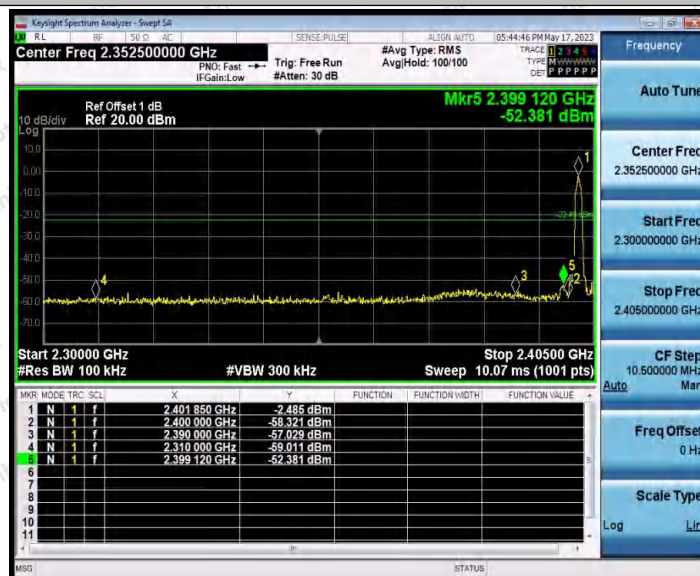




DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



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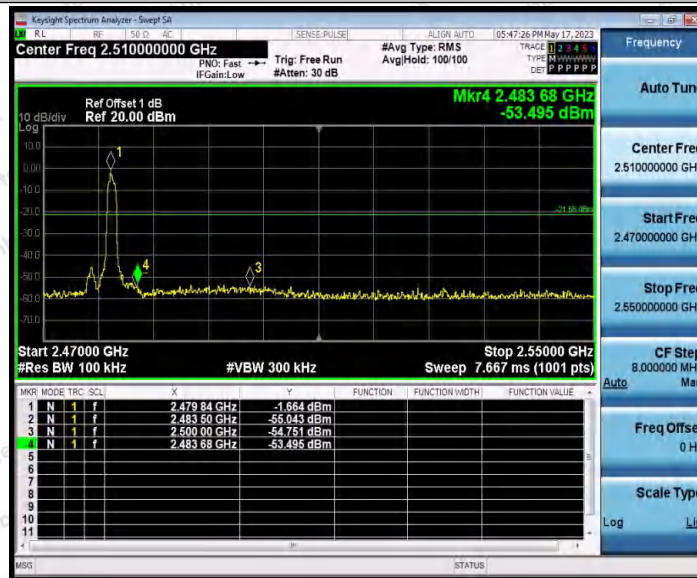
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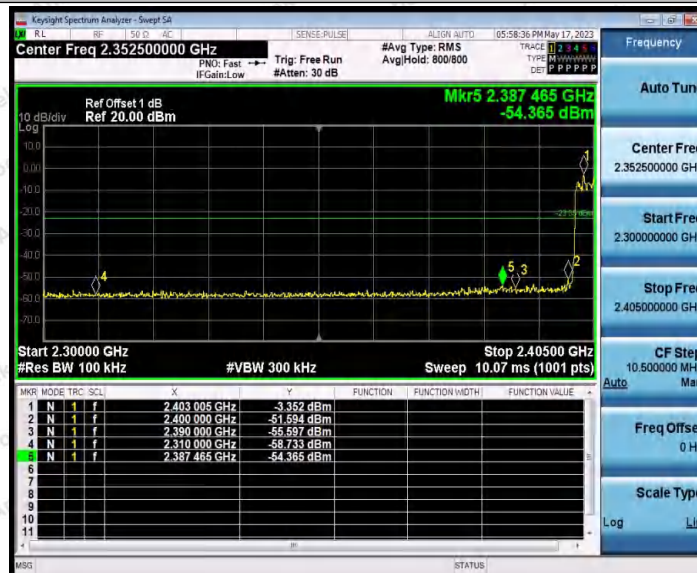
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



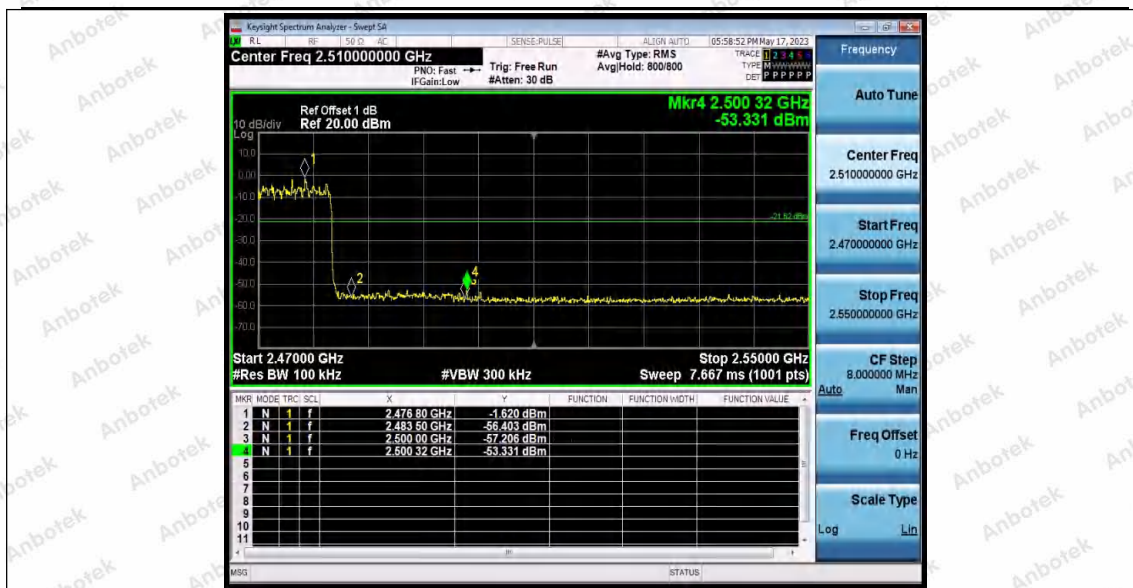
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-69.24	≤-23.12	PASS
			1000~26500	-3.12	-50.81	≤-23.12	PASS
		2441	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-68.82	≤-22.49	PASS
			1000~26500	-2.49	-45.87	≤-22.49	PASS
		2480	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-68.86	≤-22.48	PASS
			1000~26500	-2.48	-47.47	≤-22.48	PASS
2DH5	Ant1	2402	Reference	-7.20	-7.20	---	PASS
			30~1000	-7.20	-68.99	≤-27.2	PASS
			1000~26500	-7.20	-50.21	≤-27.2	PASS
		2441	Reference	-5.75	-5.75	---	PASS
			30~1000	-5.75	-69.67	≤-25.75	PASS
			1000~26500	-5.75	-45.63	≤-25.75	PASS
		2480	Reference	-6.25	-6.25	---	PASS
			30~1000	-6.25	-68.49	≤-26.25	PASS
			1000~26500	-6.25	-49.89	≤-26.25	PASS

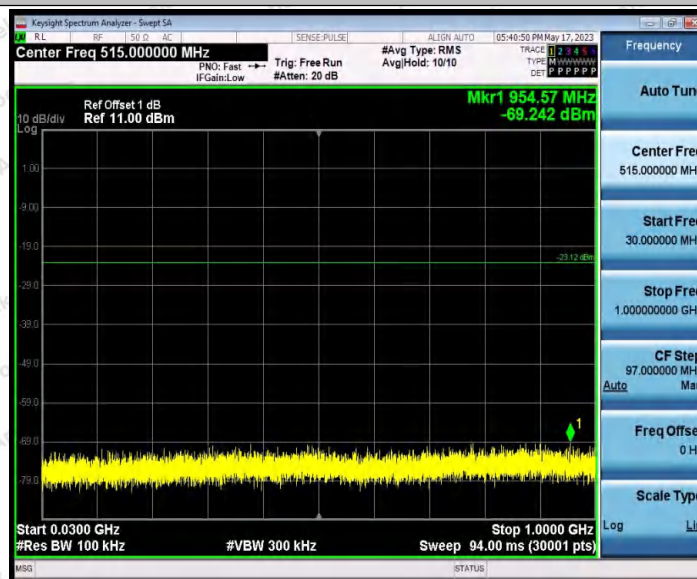


Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

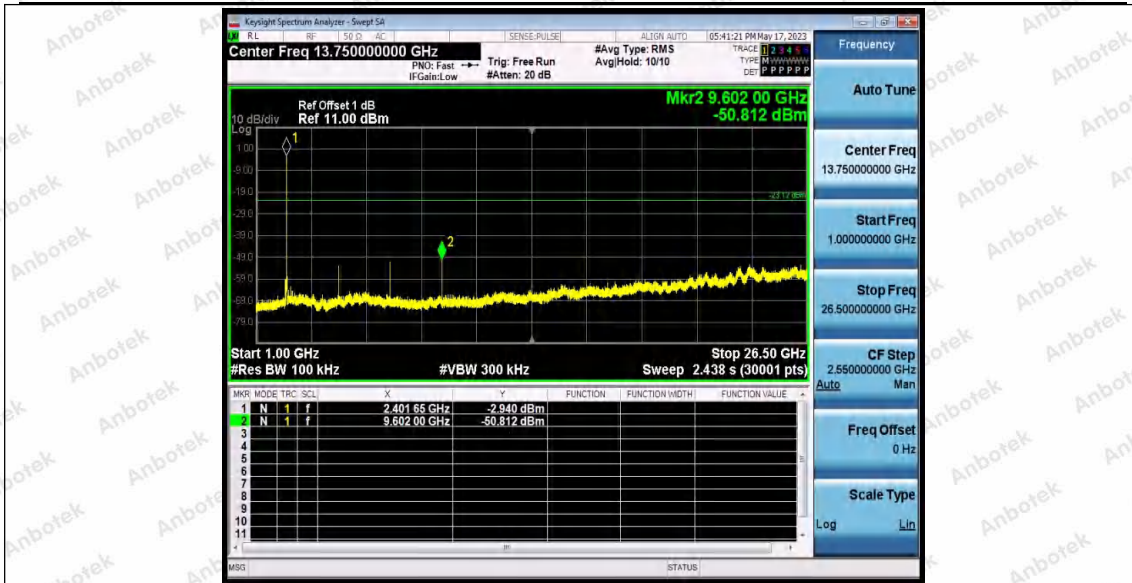
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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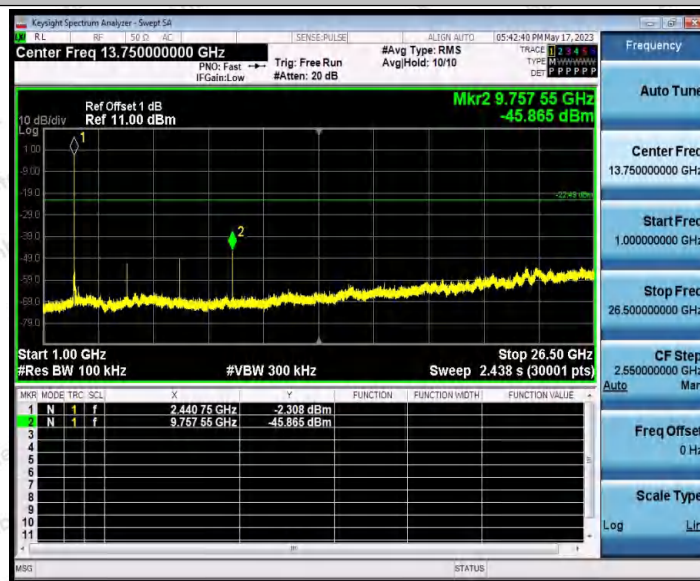
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

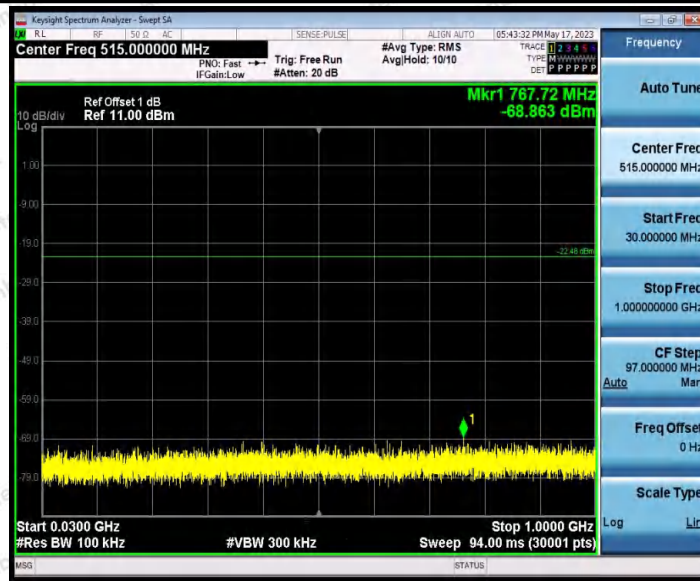
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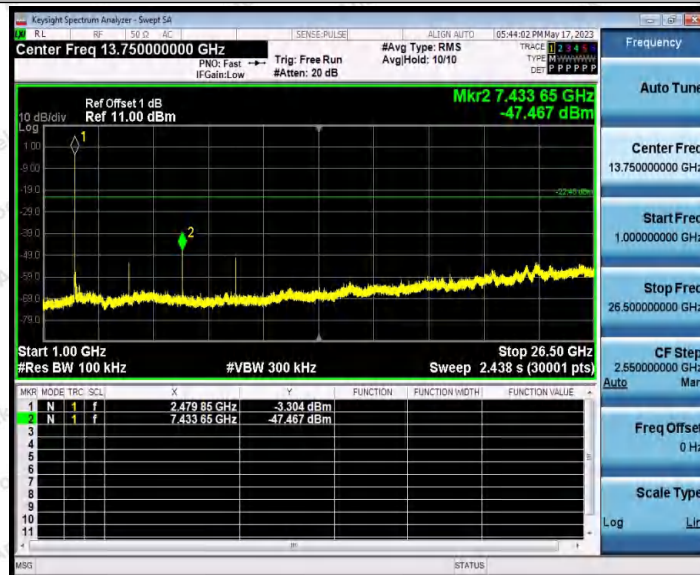


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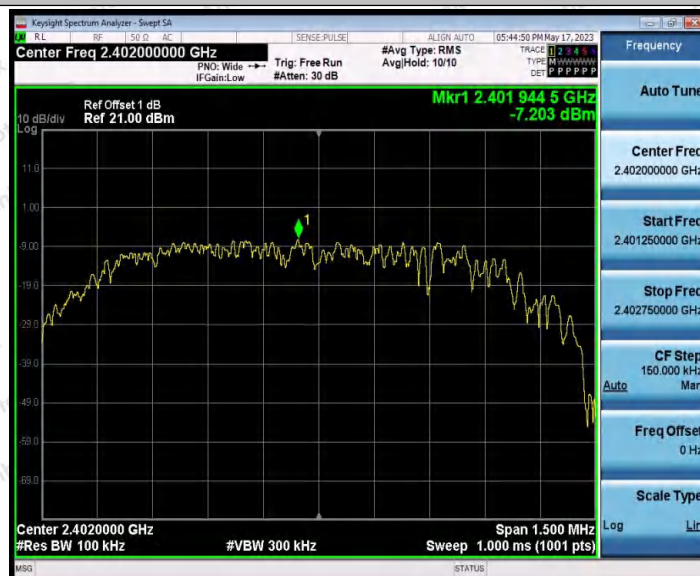




DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



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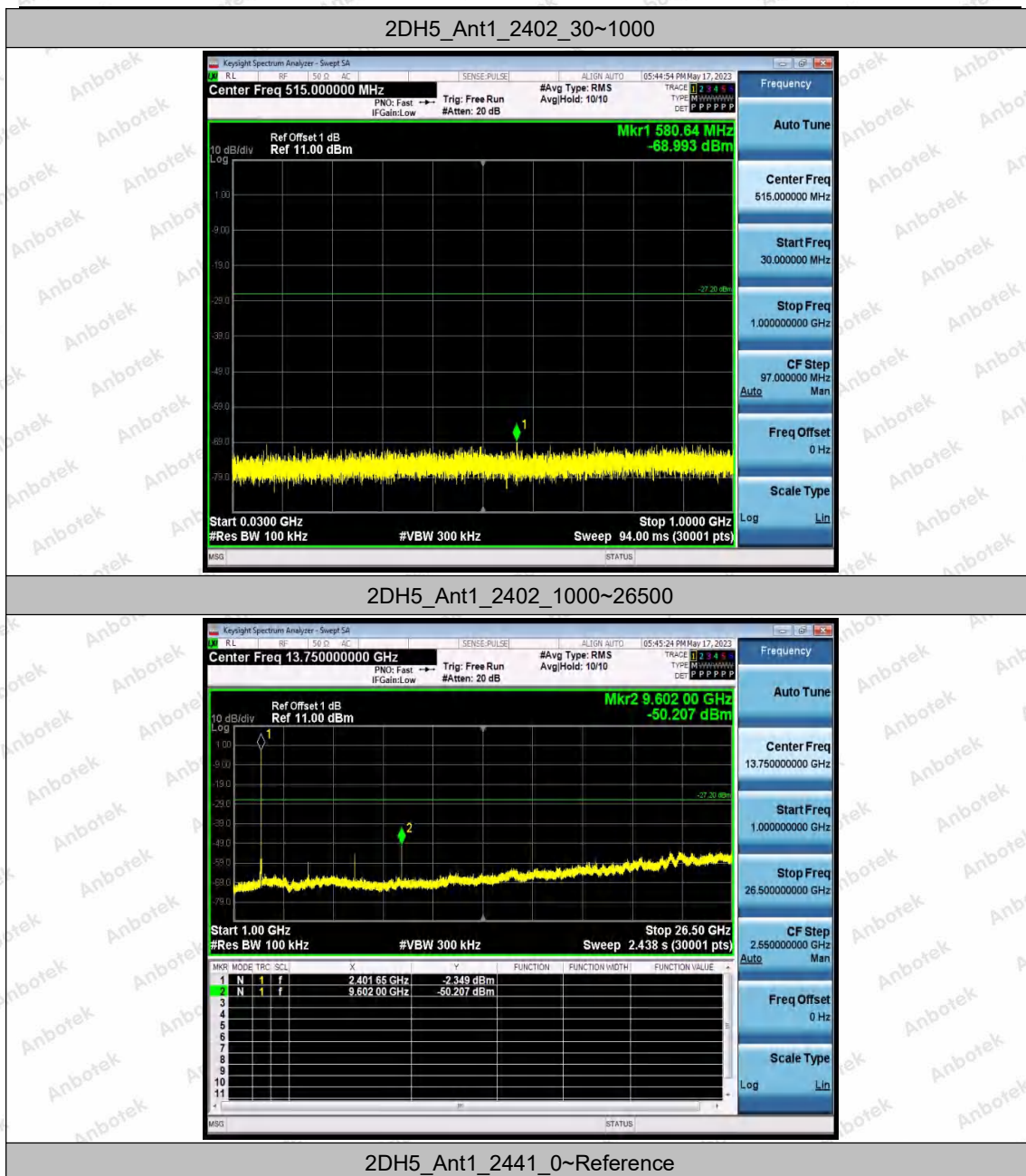


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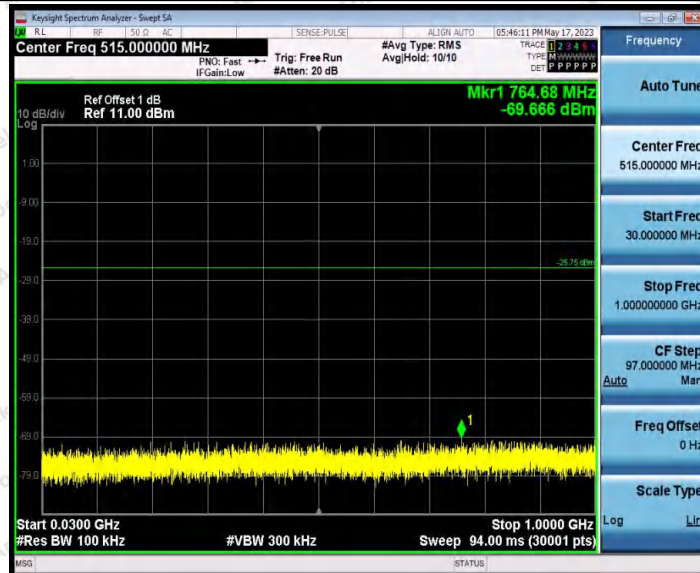
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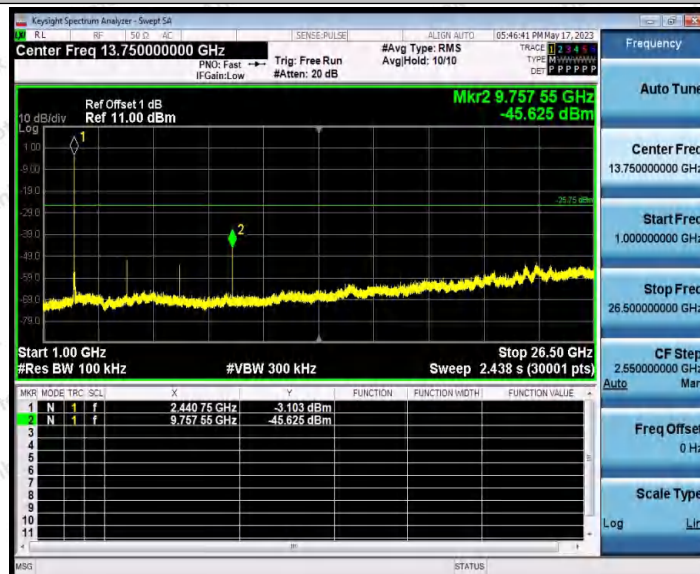




2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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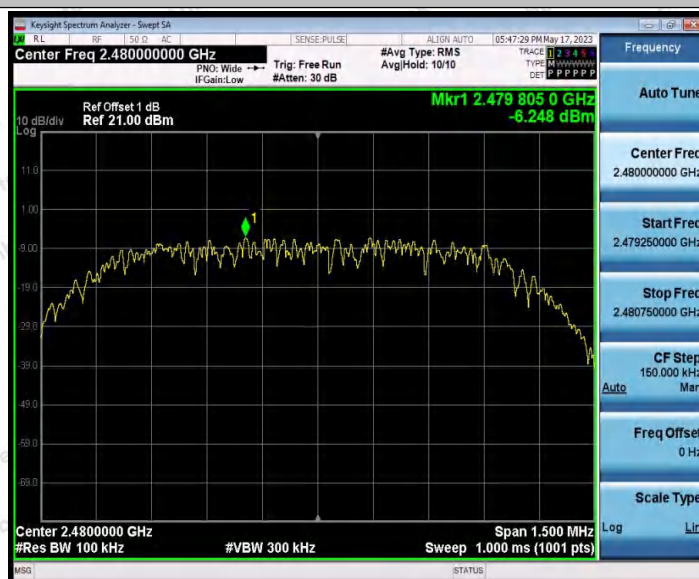
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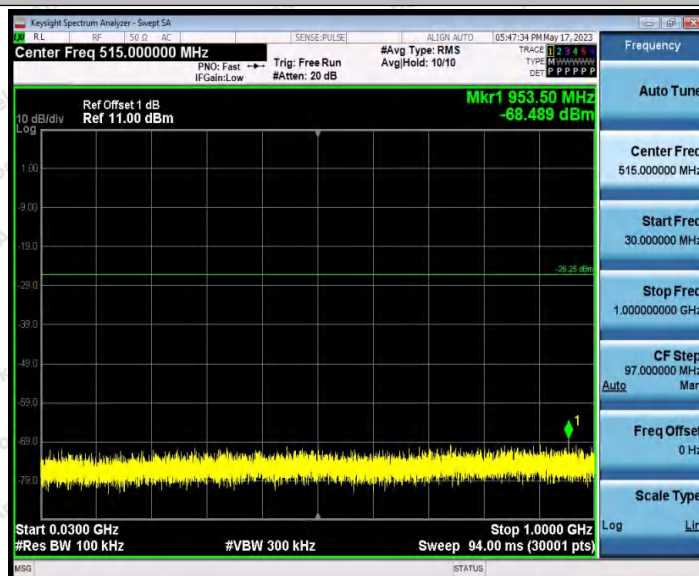
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

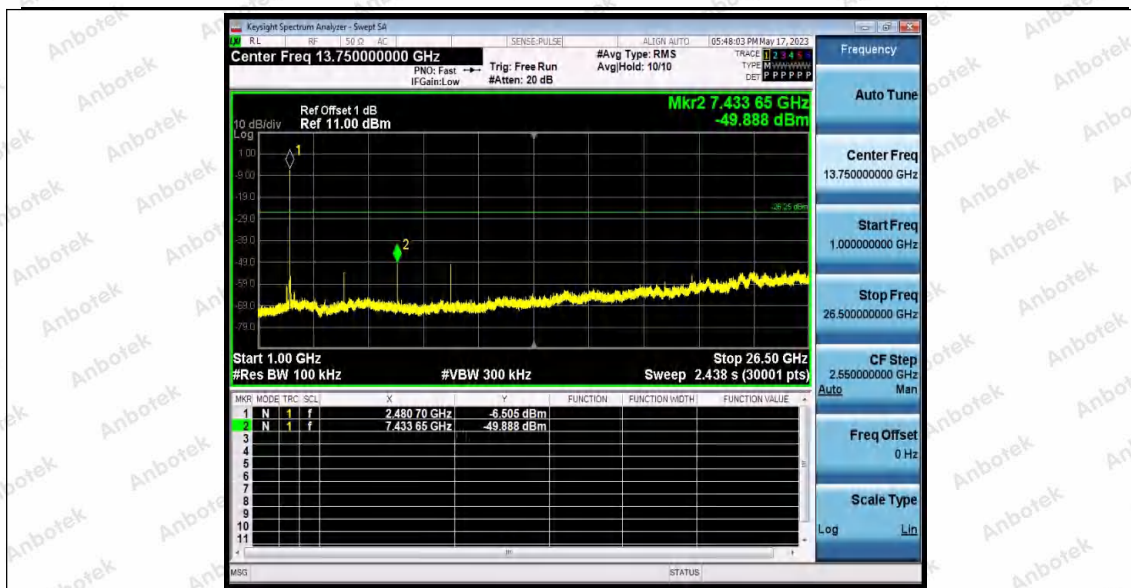
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Appendix I: Duty Cycle

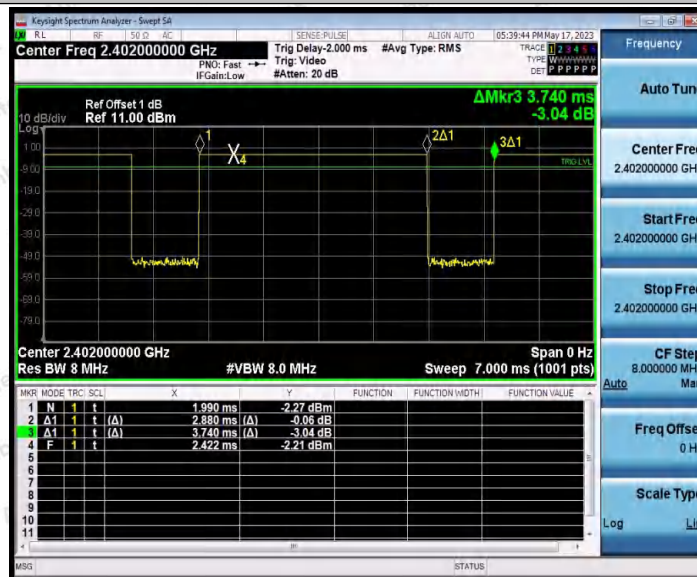
Test Result

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	2.89	3.75	77.07	1.13
		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	2.89	3.75	77.07	1.13

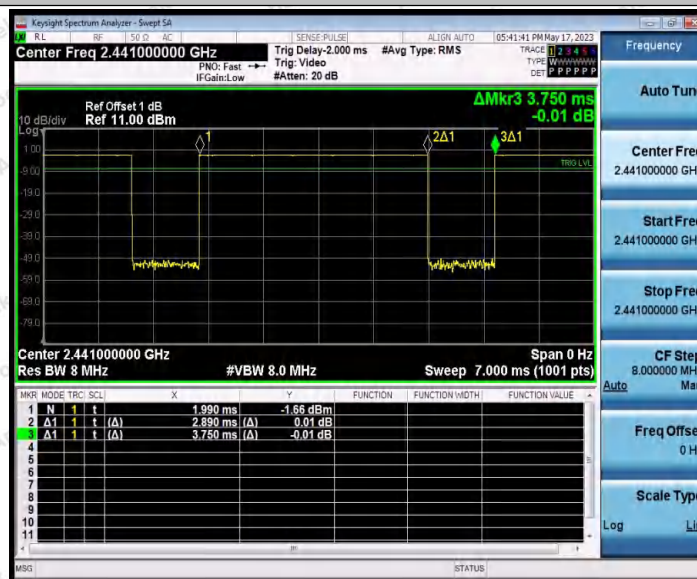


Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

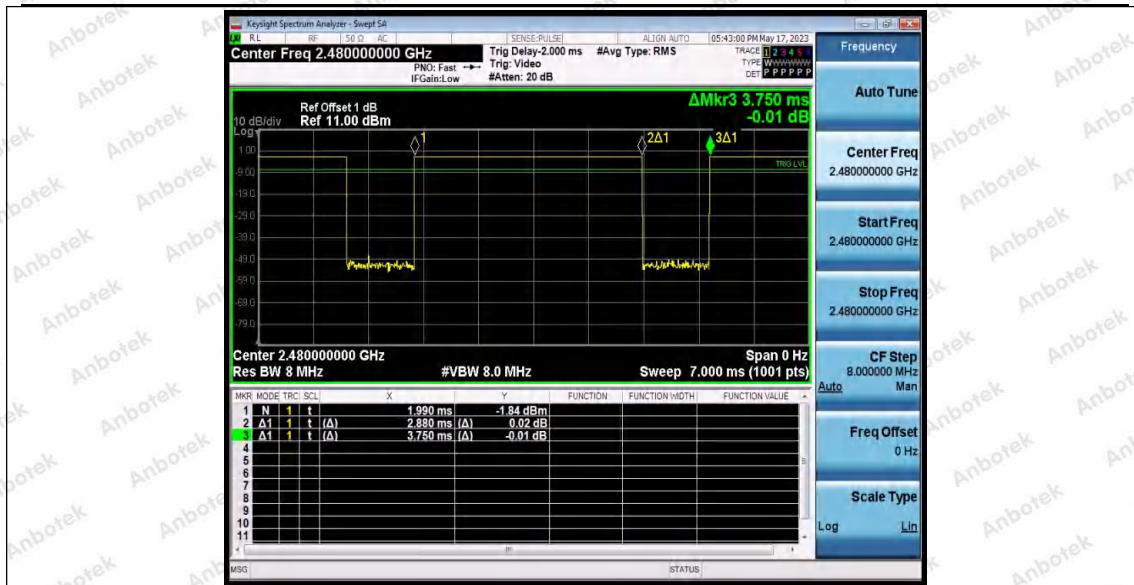
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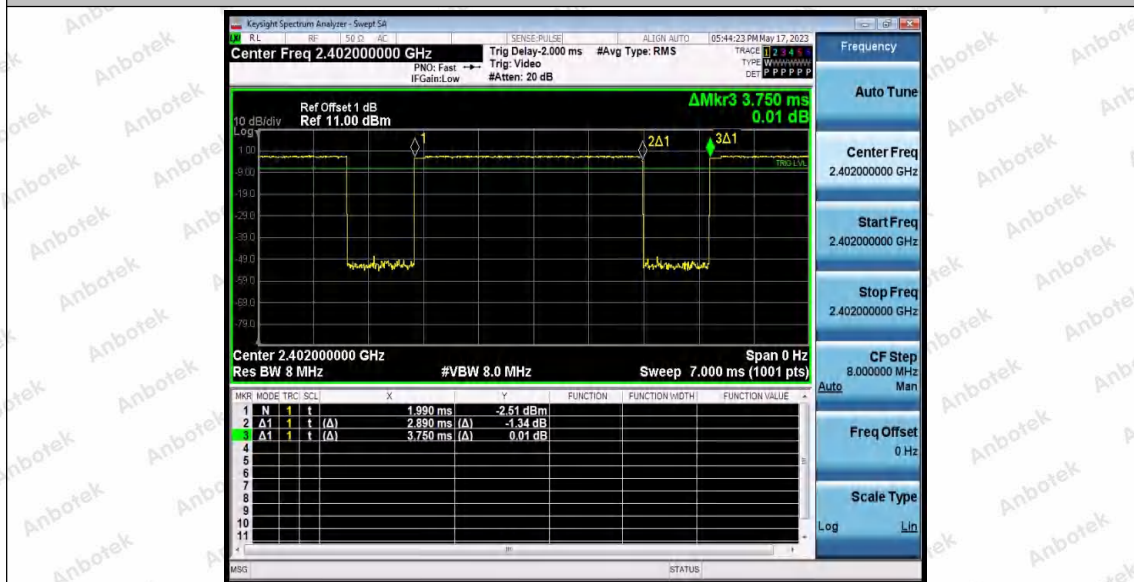


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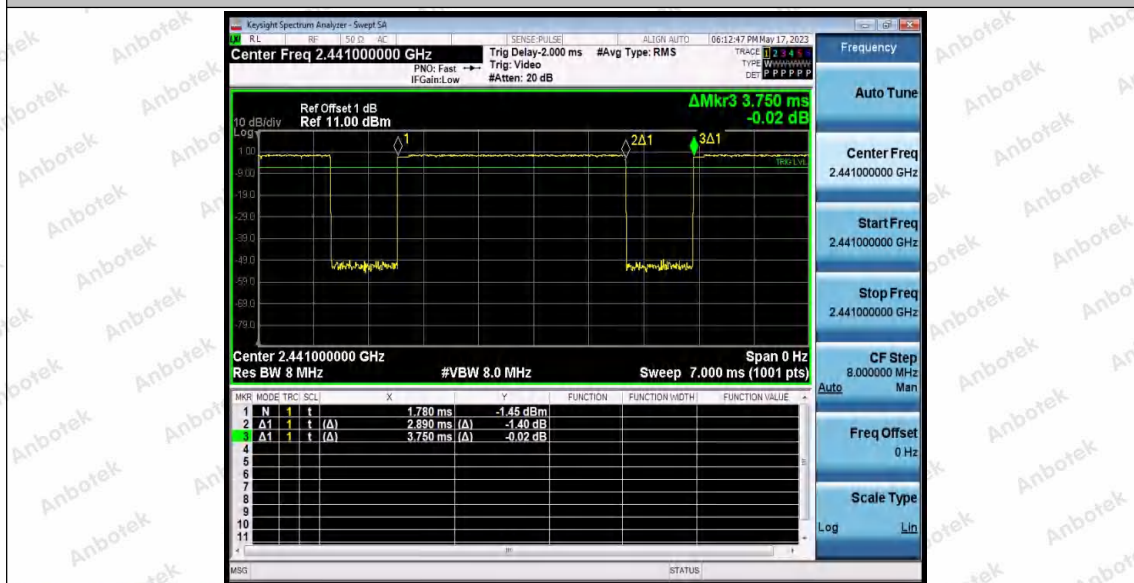




2DH5_Ant1_2402



2DH5_Ant1_2441

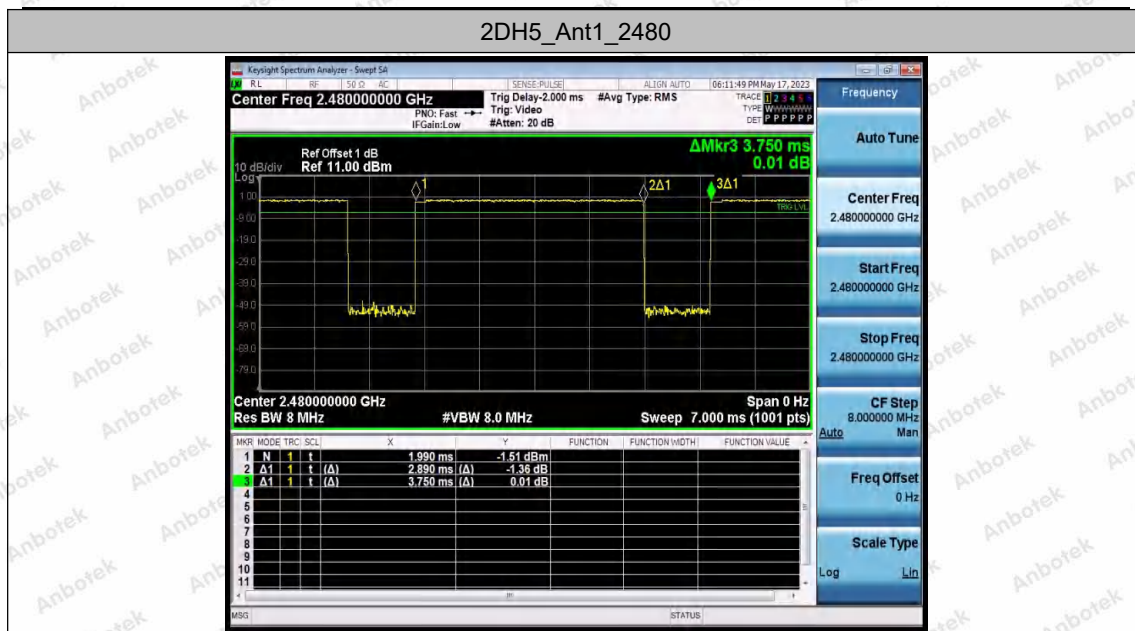


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