

Appendix Test Data

Report No.:	18220WC30001901	Test Sample No.:	1-2-2
Start Test Date:	2023.1.5	Finish Test Date:	2023.1.11
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.969	2401.532	2402.501
		2441	1.011	2440.484	2441.495
		2480	0.963	2479.532	2480.495



Test Graphs



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	0.90405	2401.5520	2402.4560
		2441	0.89190	2440.5557	2441.4476
		2480	0.90102	2479.5528	2480.4538



Test Graphs



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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	1.54	≤20.97	PASS
		2441	1.09	≤20.97	PASS
		2480	0.50	≤20.97	PASS



Test Graphs



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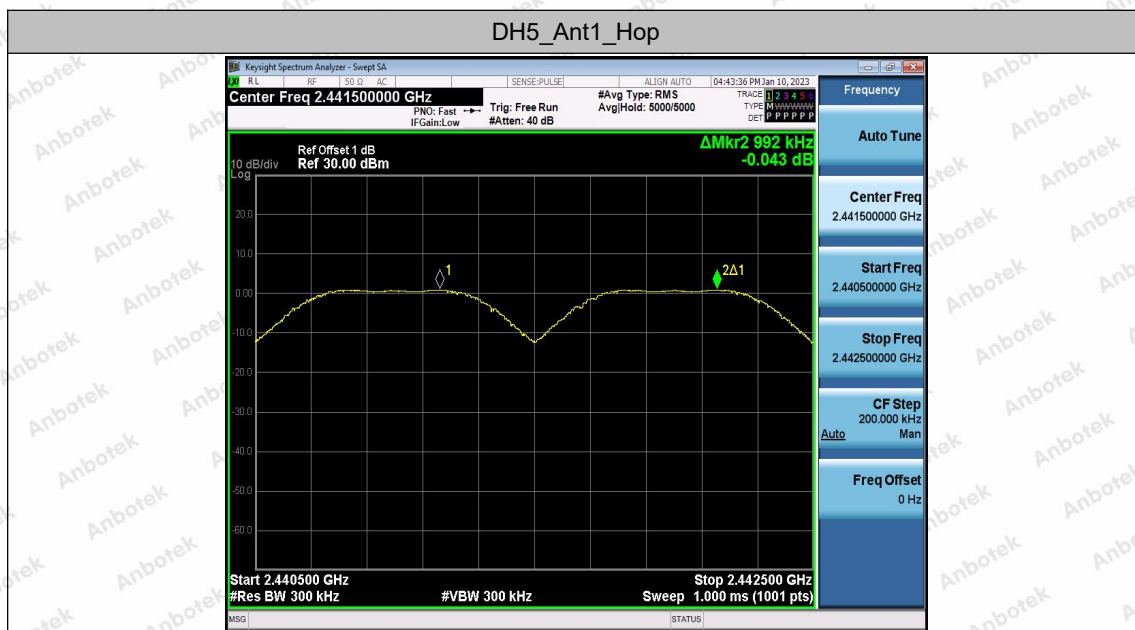


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥0.674	PASS

Test Graphs



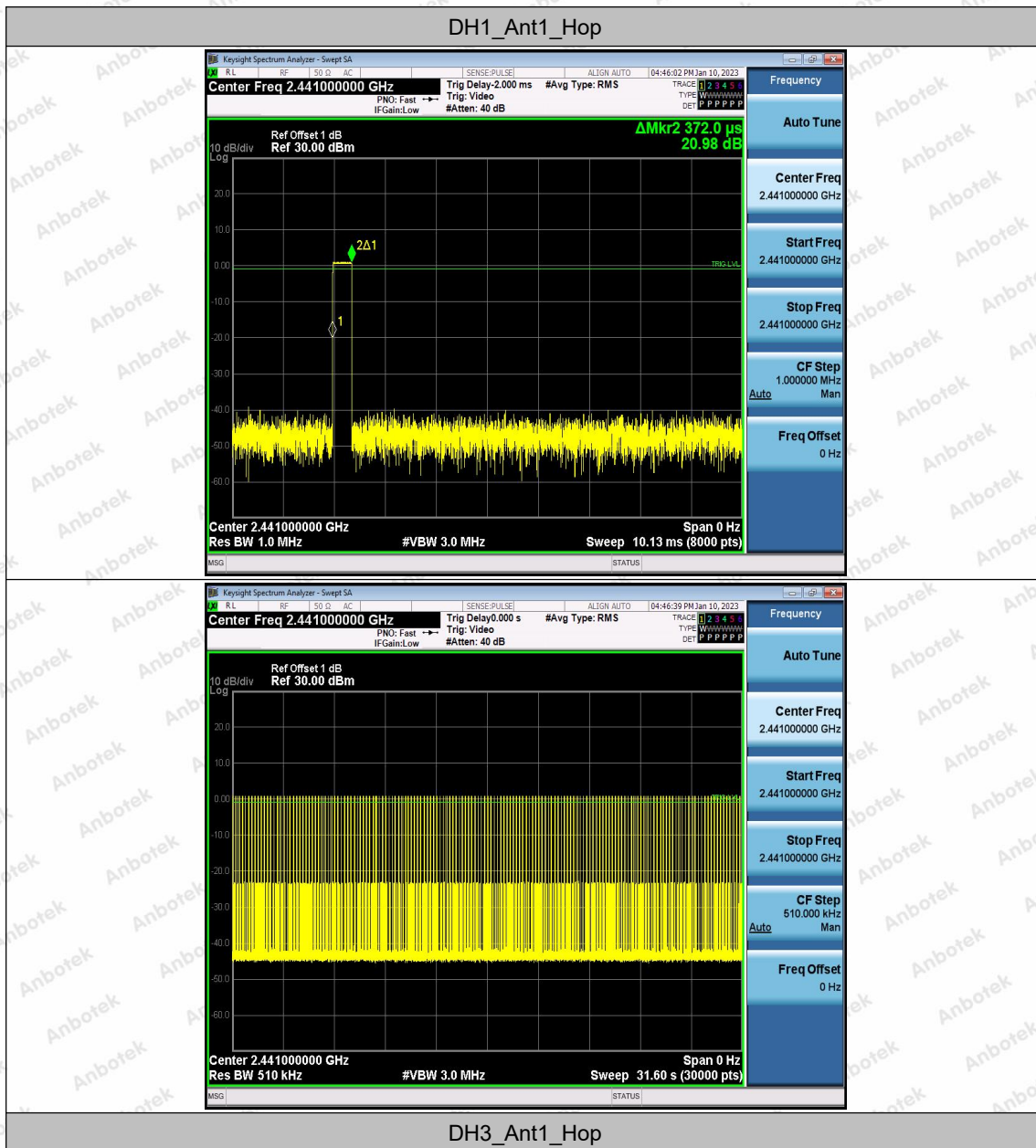
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.372	312	0.116	≤0.4	PASS
DH3	Ant1	Hop	1.629	158	0.257	≤0.4	PASS
DH5	Ant1	Hop	2.877	110	0.316	≤0.4	PASS



Test Graphs



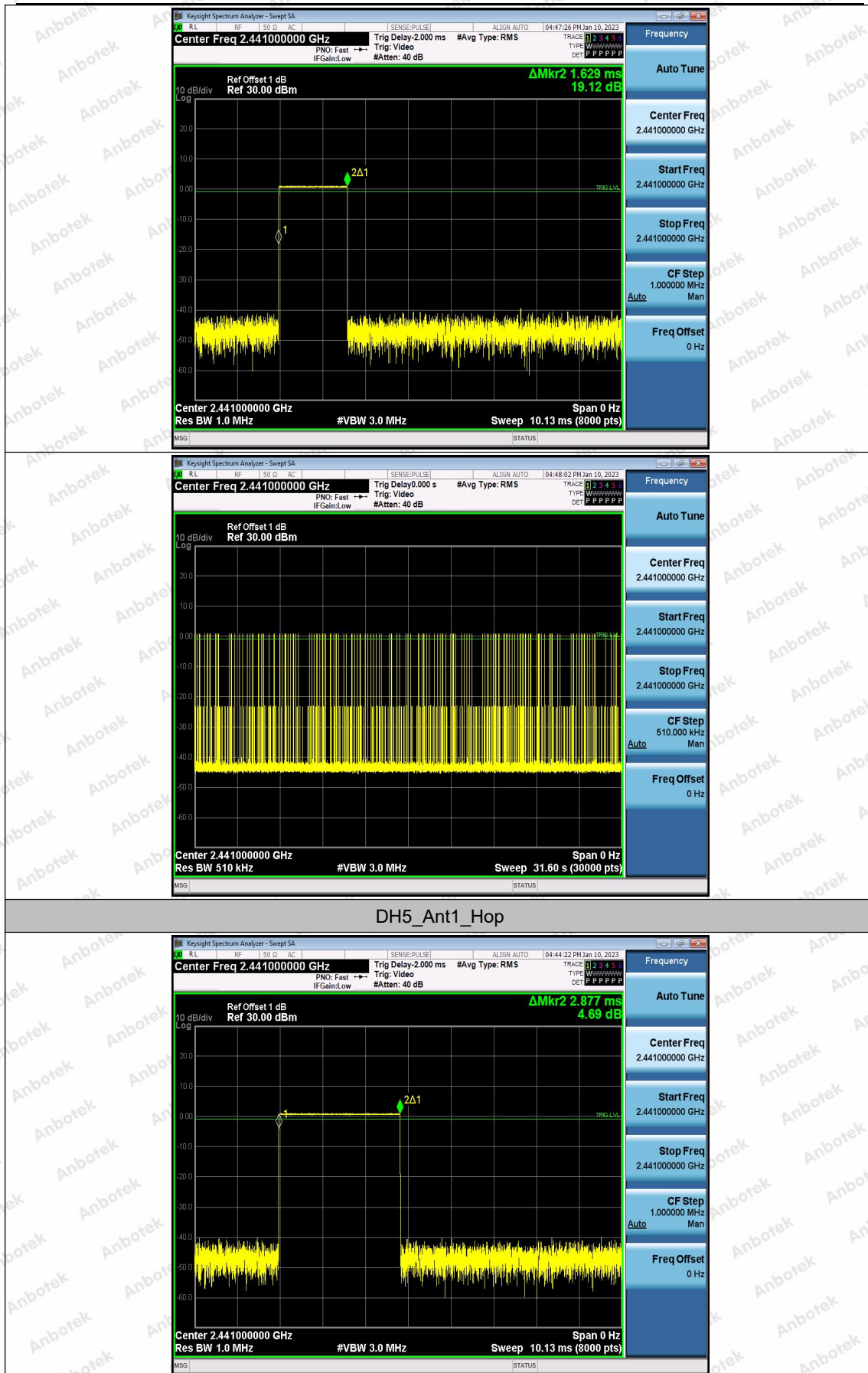
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DH5_Ant1_Hop

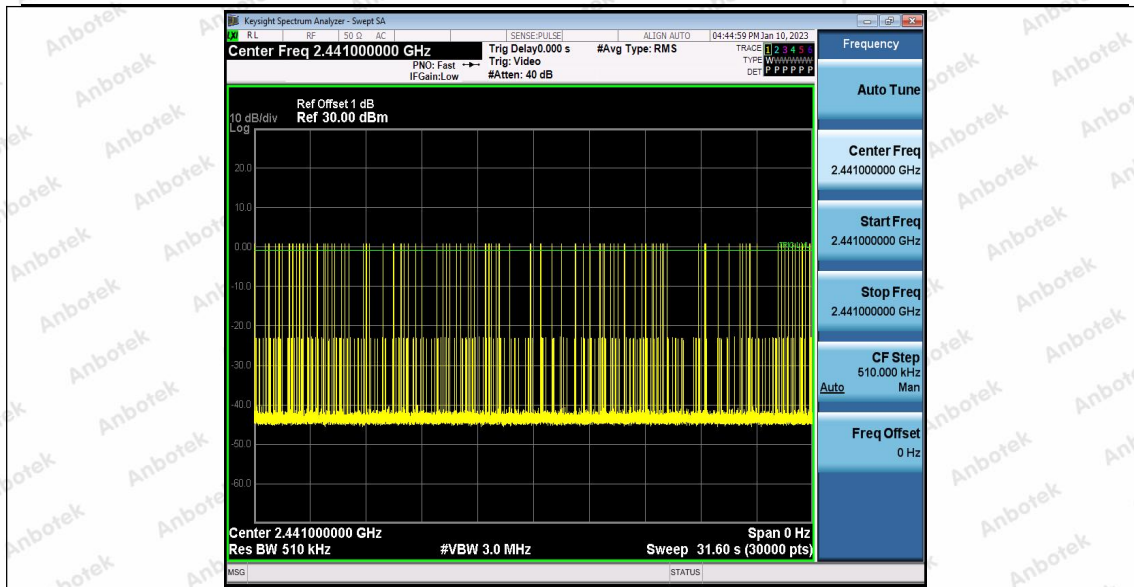
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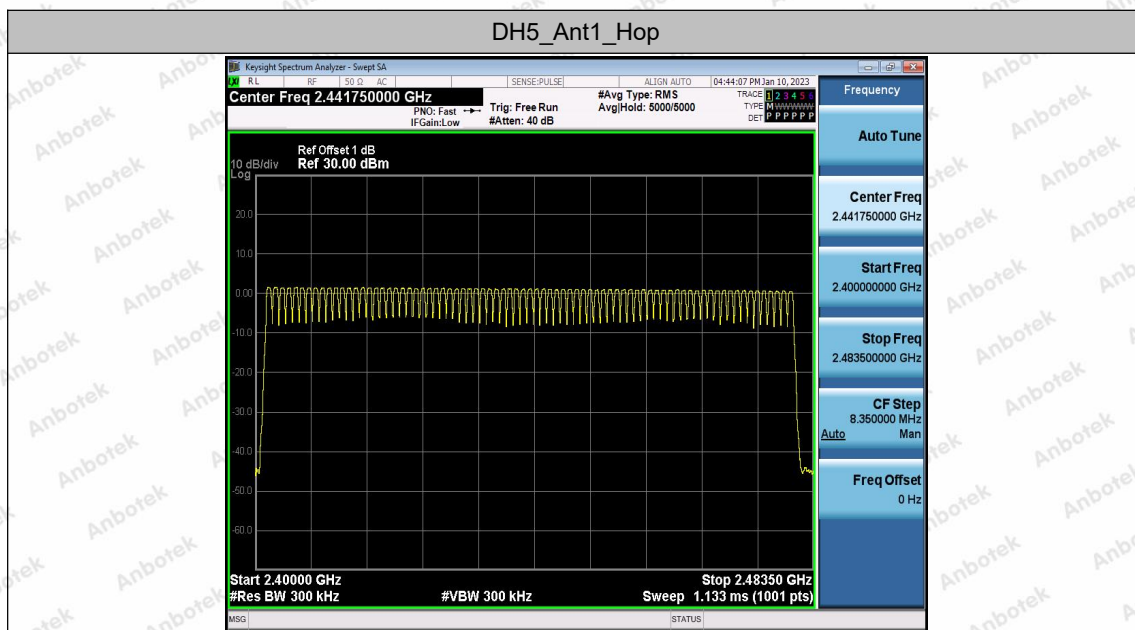


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



Appendix G: Band edge measurements

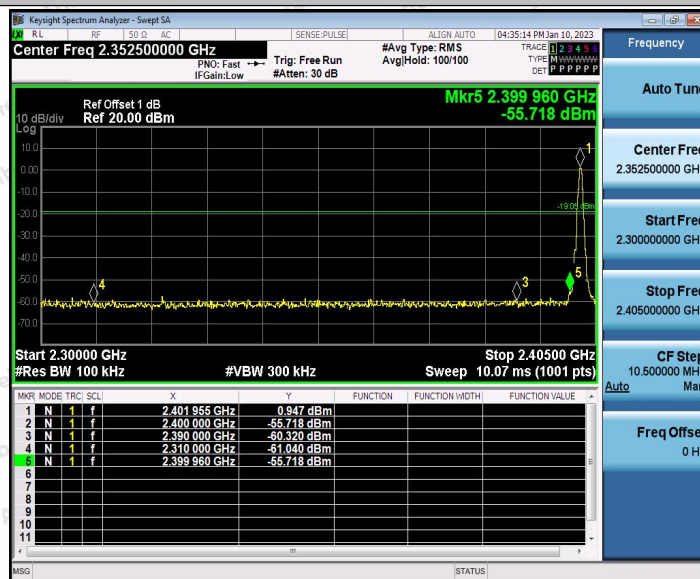
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.95	-55.72	≤-19.05	PASS
		High	2480	0.14	-58.23	≤-19.87	PASS
		Low	Hop_2402	0.61	-58.11	≤-19.39	PASS
		High	Hop_2480	0.38	-49.6	≤-19.62	PASS

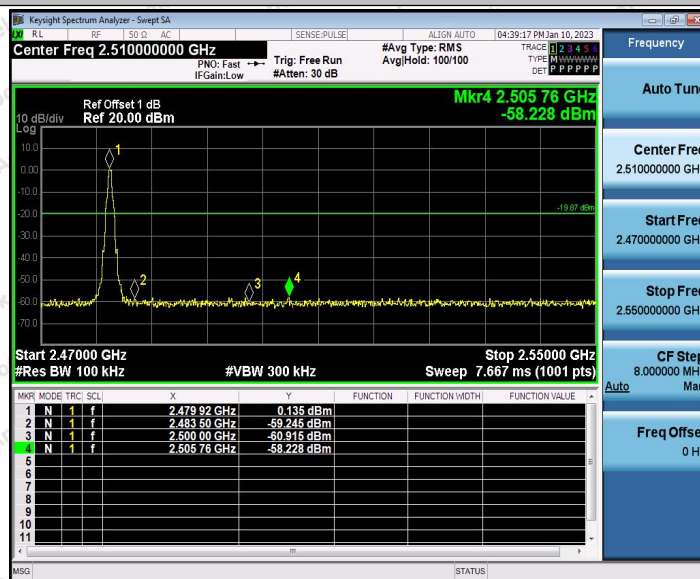


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

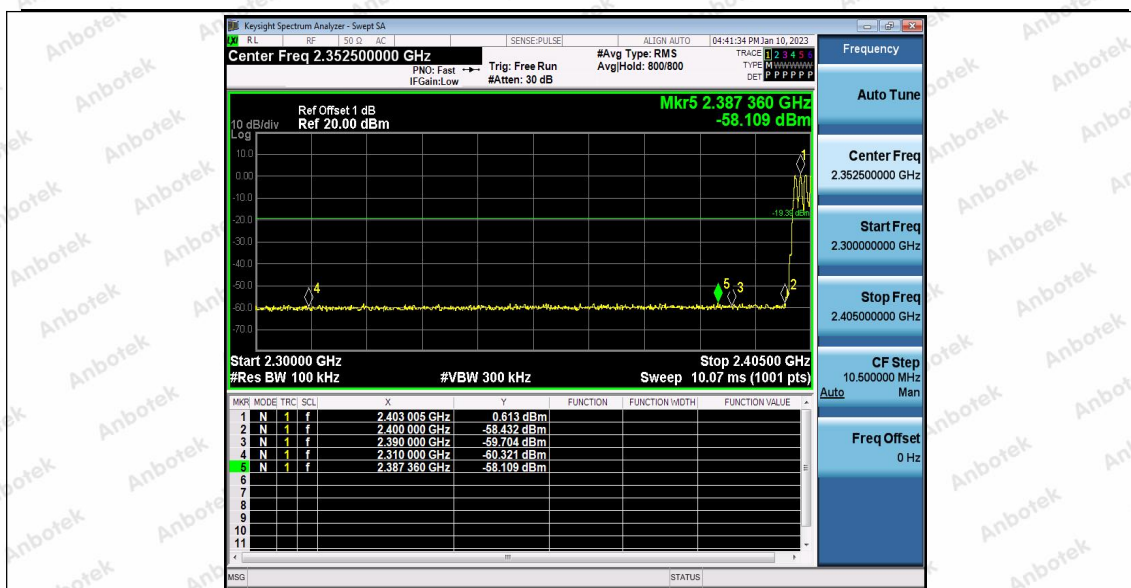
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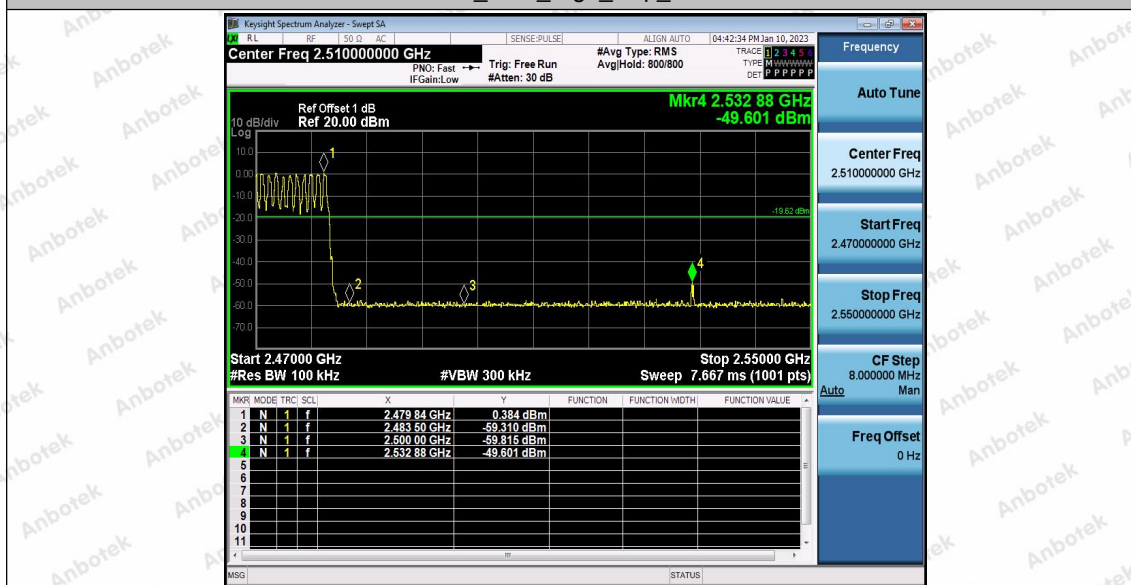


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DH5 Ant1 High Hop 2480



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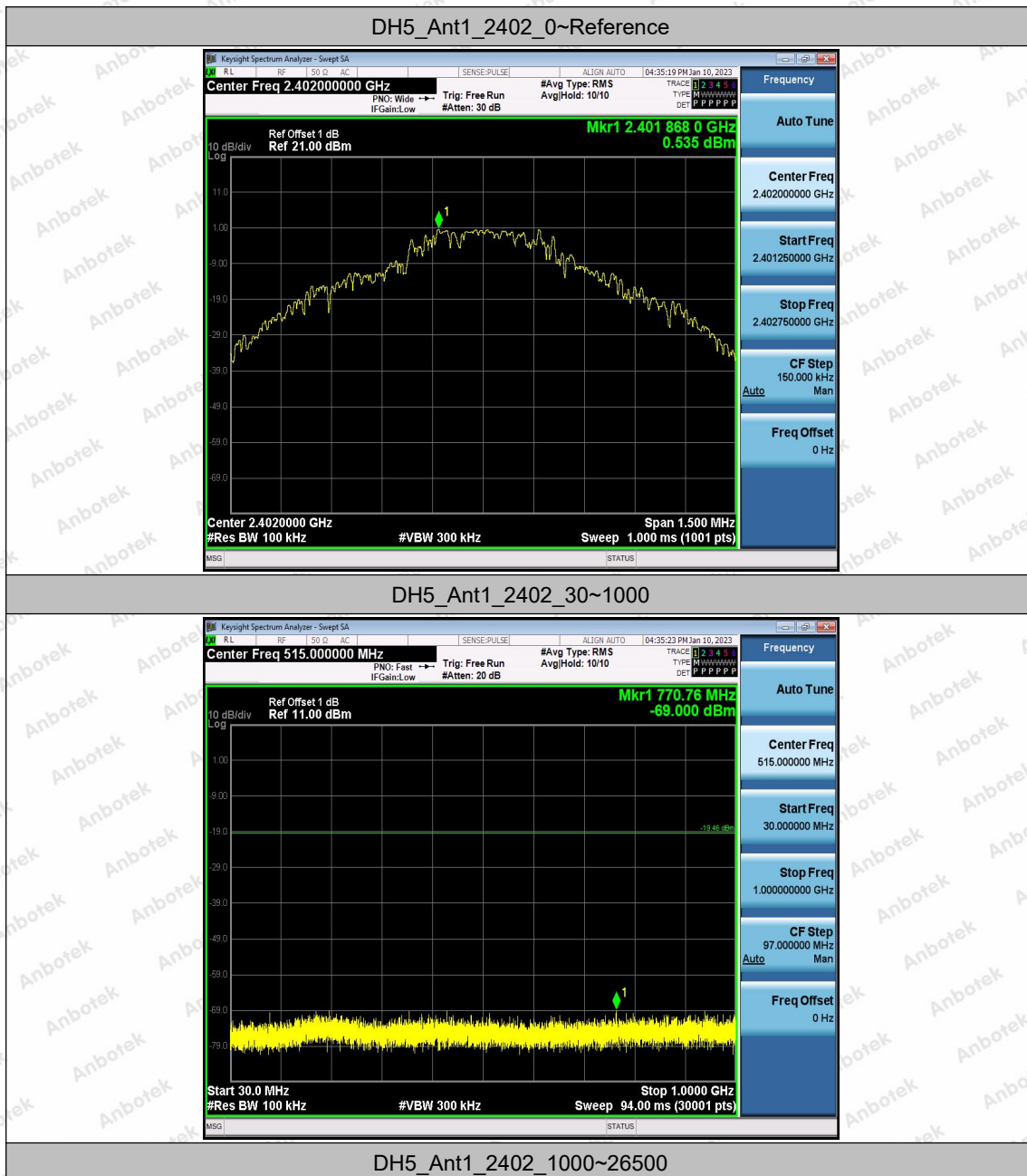
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.54	0.54	---	PASS
			30~1000	0.54	-69	≤-19.46	PASS
			1000~26500	0.54	-53.35	≤-19.46	PASS
		2441	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-67.54	≤-19.66	PASS
			1000~26500	0.34	-53.54	≤-19.66	PASS
		2480	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-68.97	≤-20.54	PASS
			1000~26500	-0.54	-53.68	≤-20.54	PASS



Test Graphs



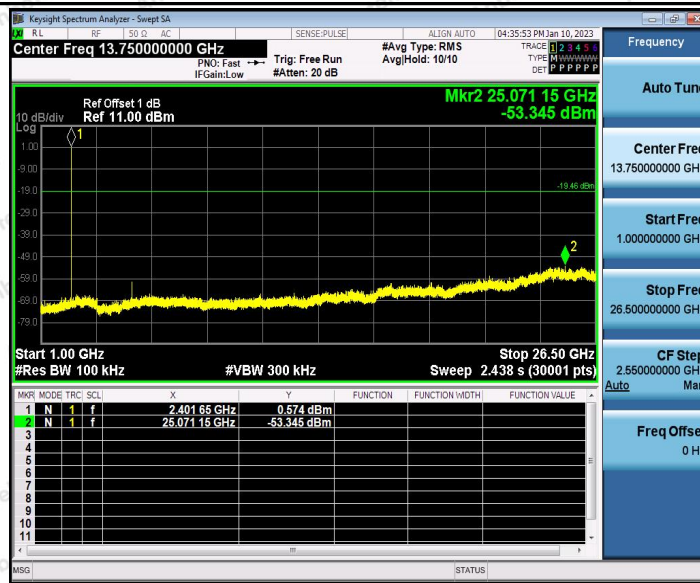
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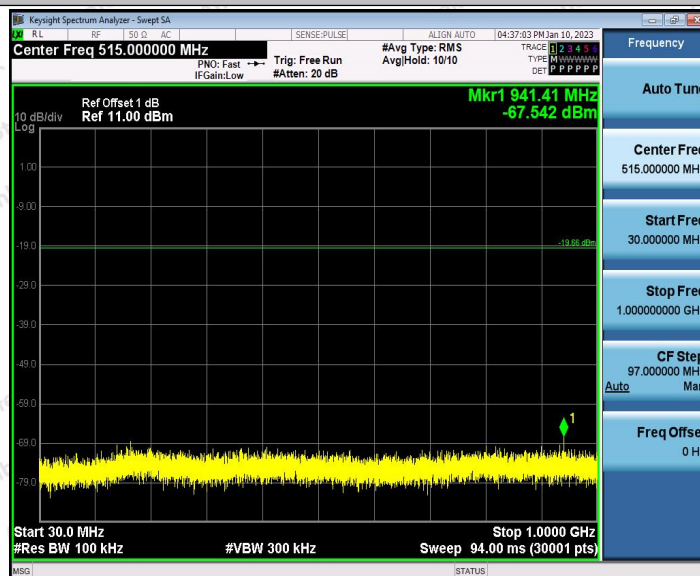




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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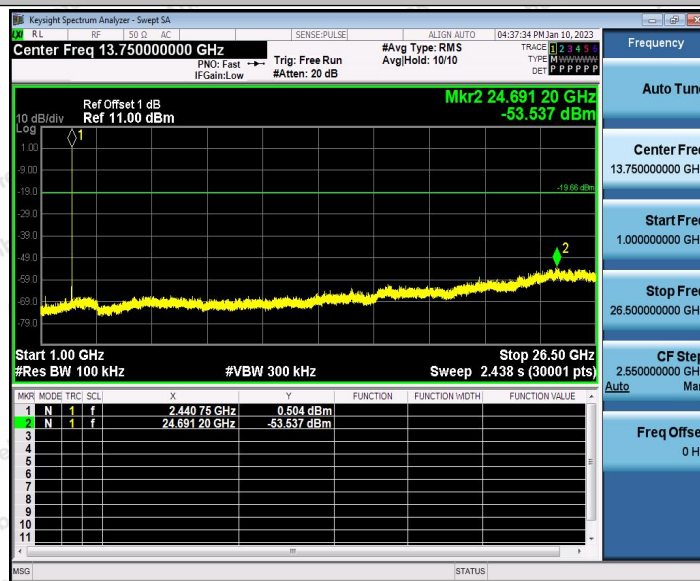
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

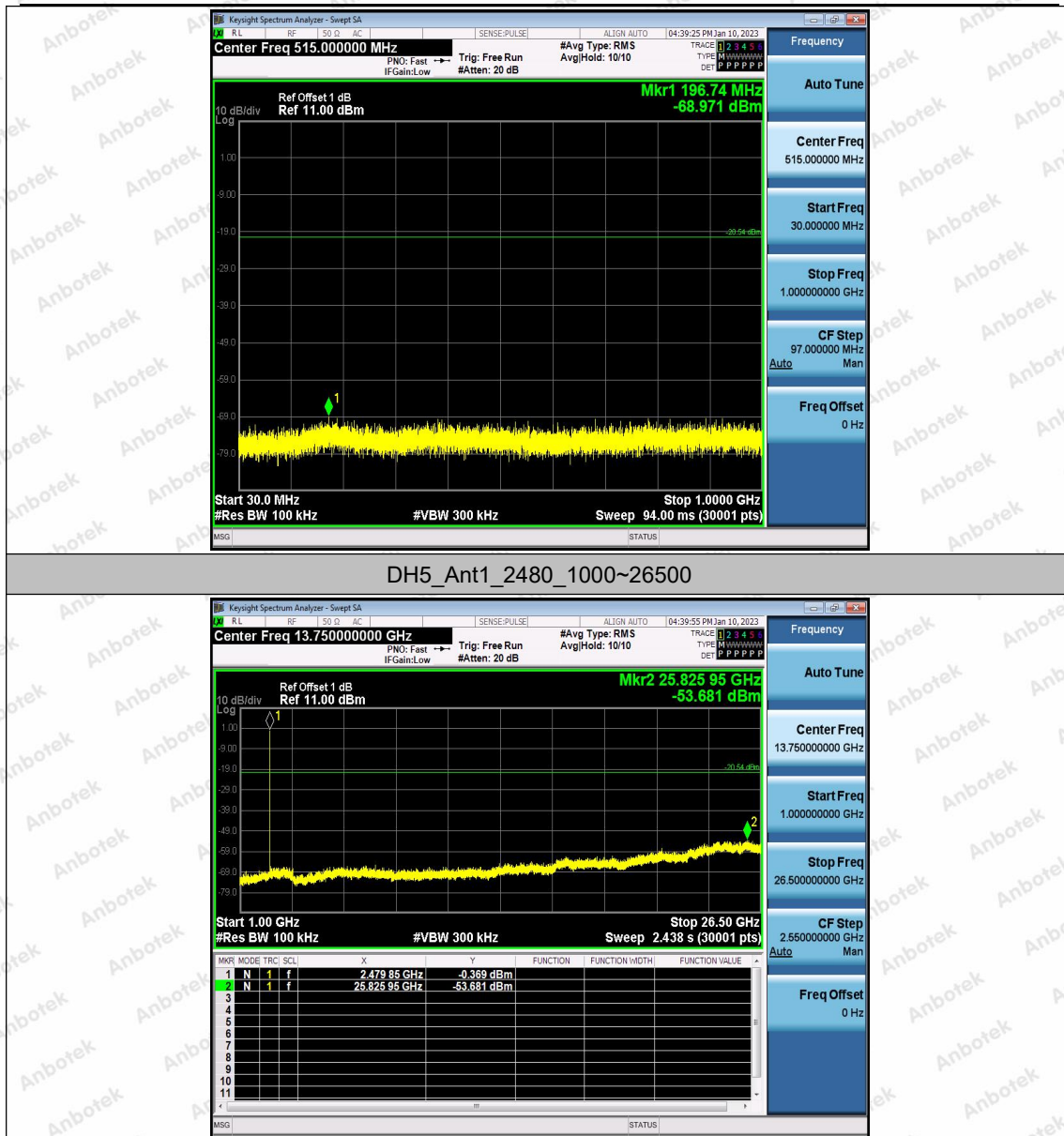
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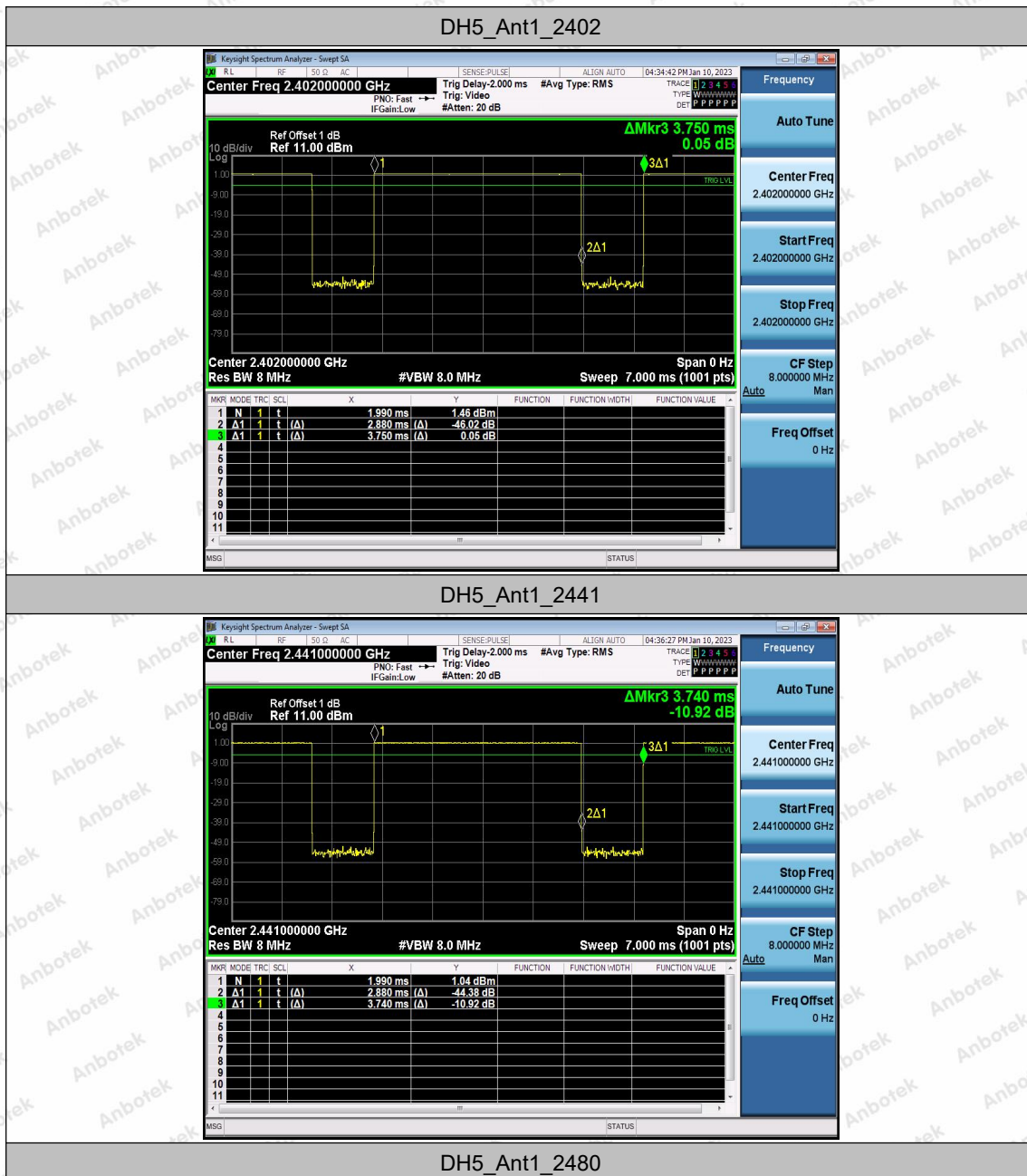
Appendix I: Duty Cycle

Test Result

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



Test Graphs



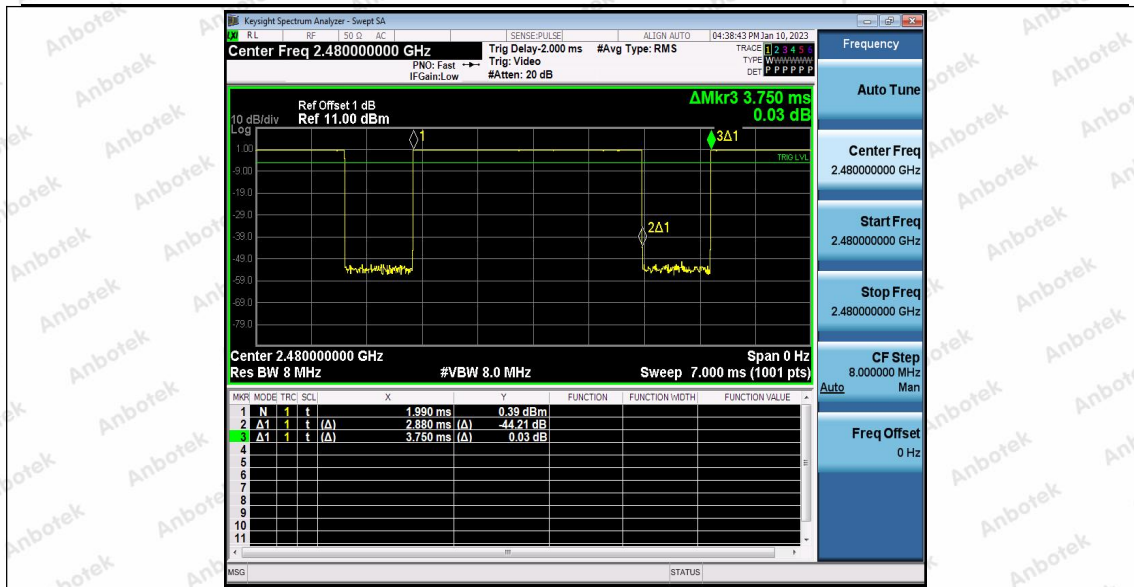
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