

Appendix Test Data

Report No.:	18220WC30012801	Test Sample No.:	1-2-2
Start Test Date:	2023.2.3	Finish Test Date:	2023.2.9
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	0.963	2401.529	2402.492
		2441	0.972	2440.523	2441.495
		2480	1.029	2479.466	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	0.89790	2401.5591	2402.4570
		2441	0.89348	2440.5619	2441.4554
		2480	0.90287	2479.5565	2480.4594



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	-0.33	≤20.97	PASS
		2441	-0.38	≤20.97	PASS
		2480	-1.01	≤20.97	PASS



Test Graphs



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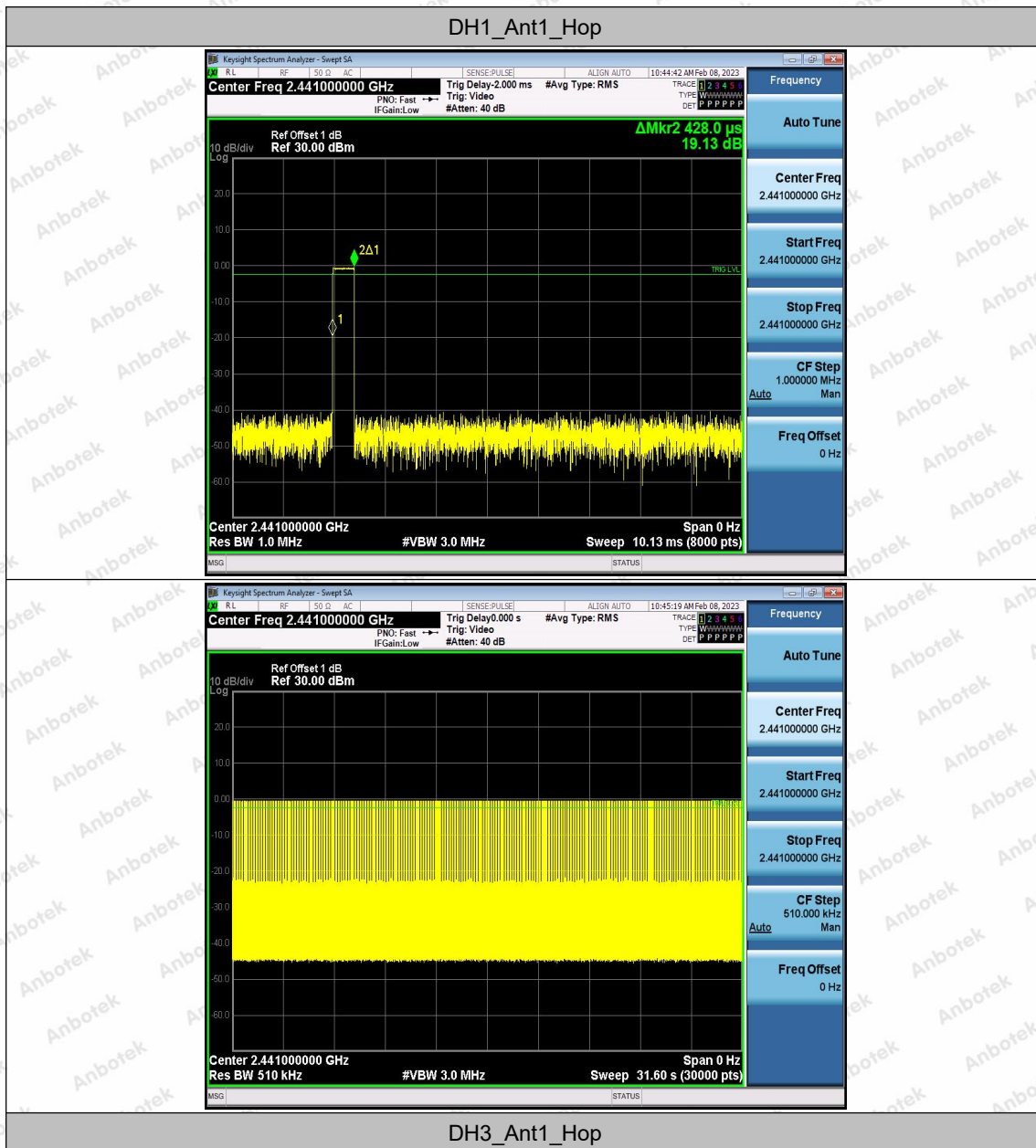
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.428	608	0.26	≤0.4	PASS
DH3	Ant1	Hop	1.548	168	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.787	111	0.309	≤0.4	PASS



Test Graphs



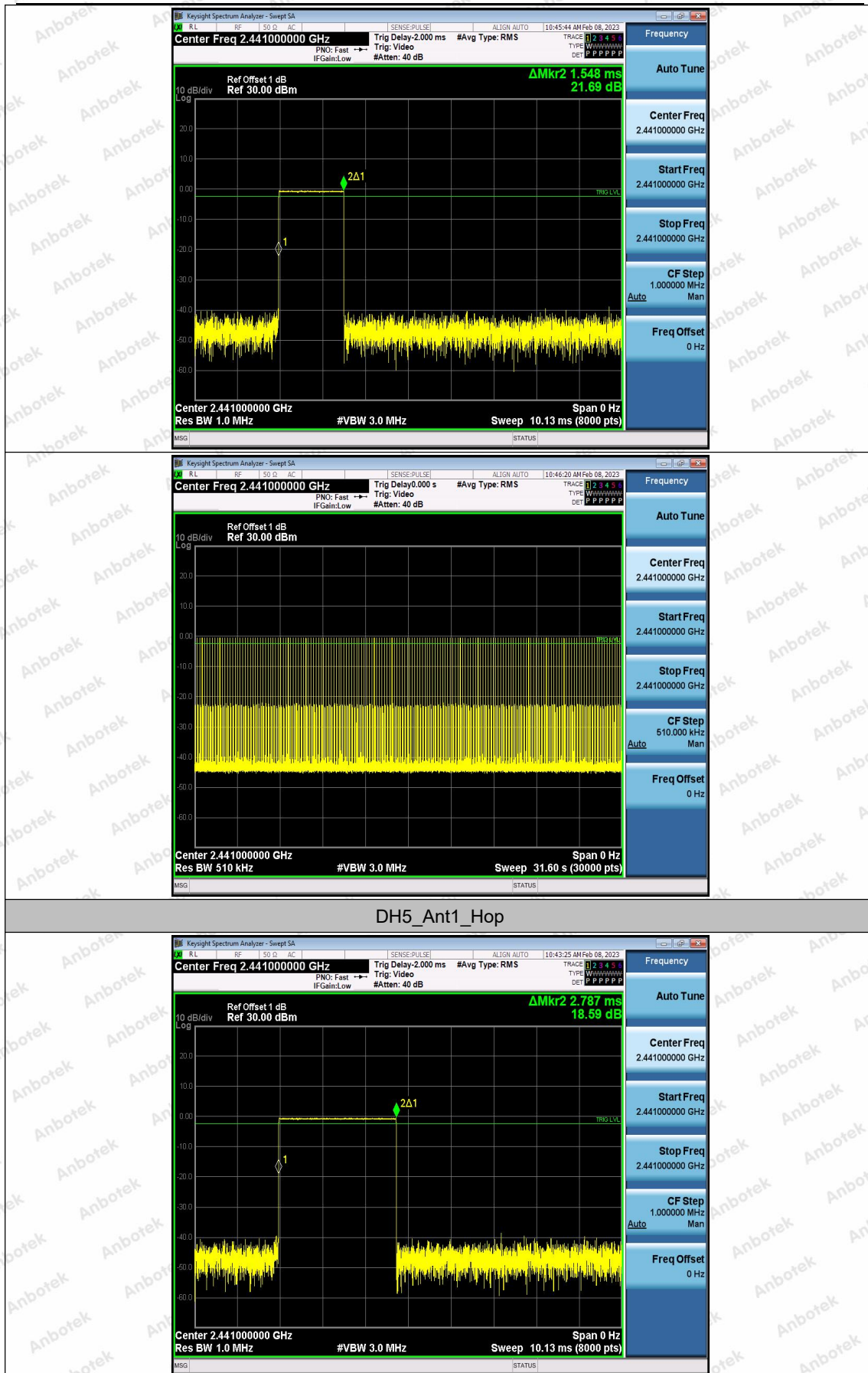
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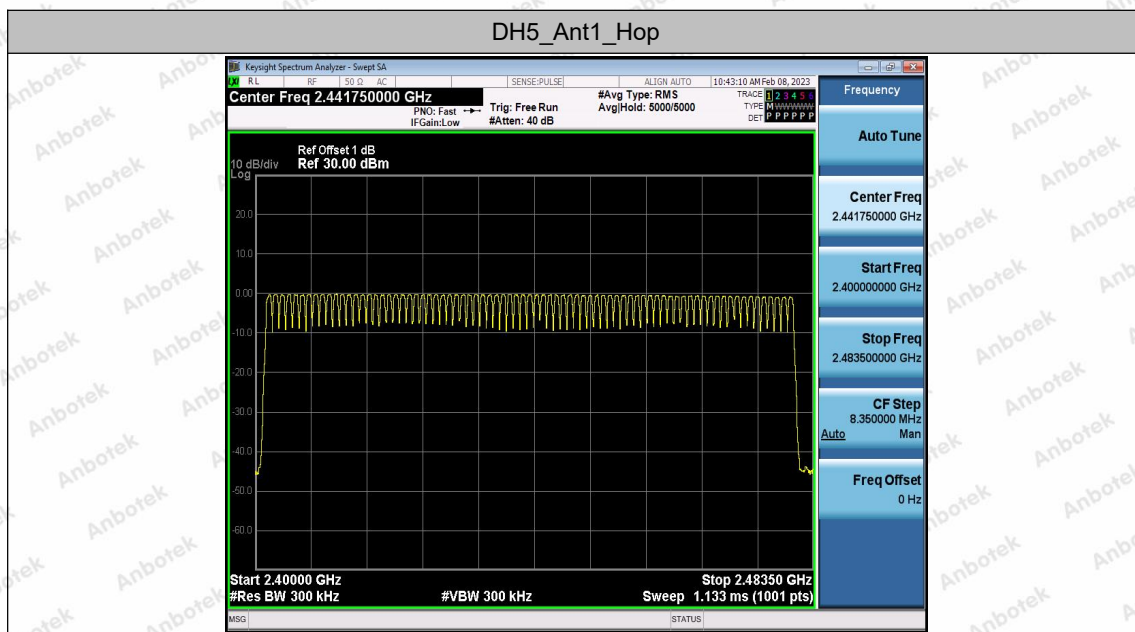


Appendix F: Number of hopping channels

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

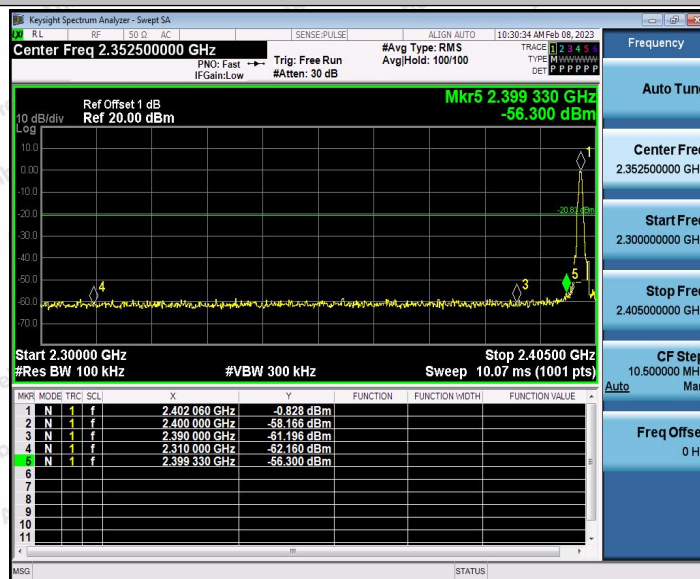
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.83	-56.3	≤-20.83	PASS
		High	2480	-1.38	-57.19	≤-21.38	PASS
		Low	Hop_2402	-0.87	-44.95	≤-20.87	PASS
		High	Hop_2480	-1.44	-57.15	≤-21.44	PASS

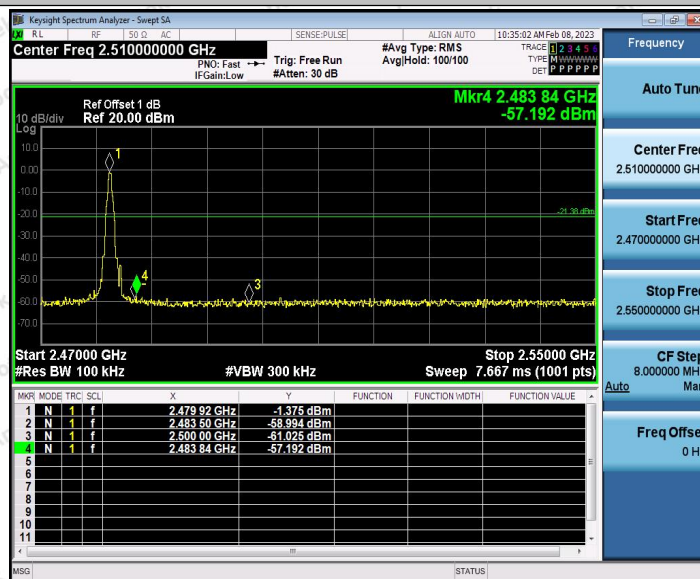


Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402

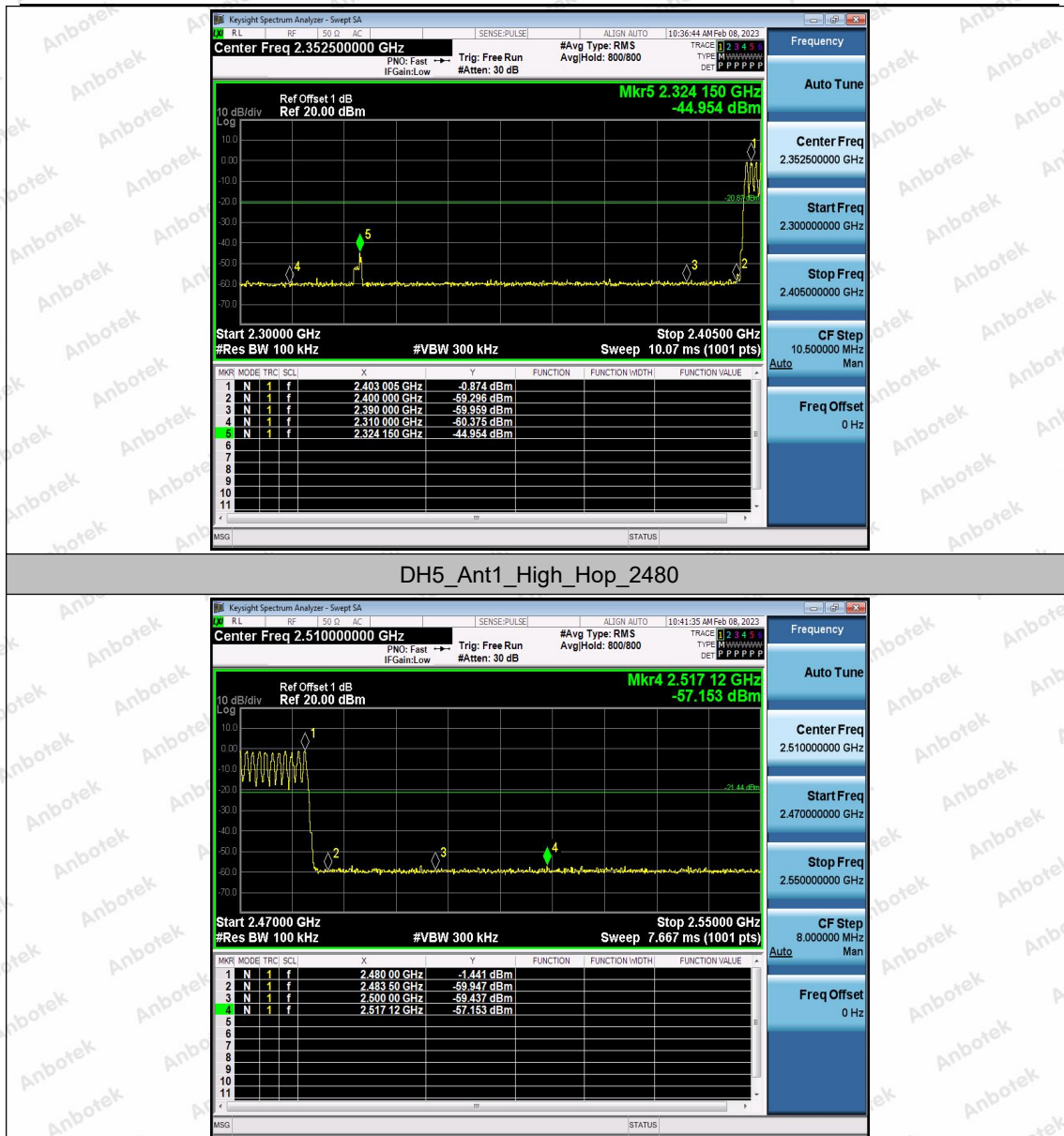
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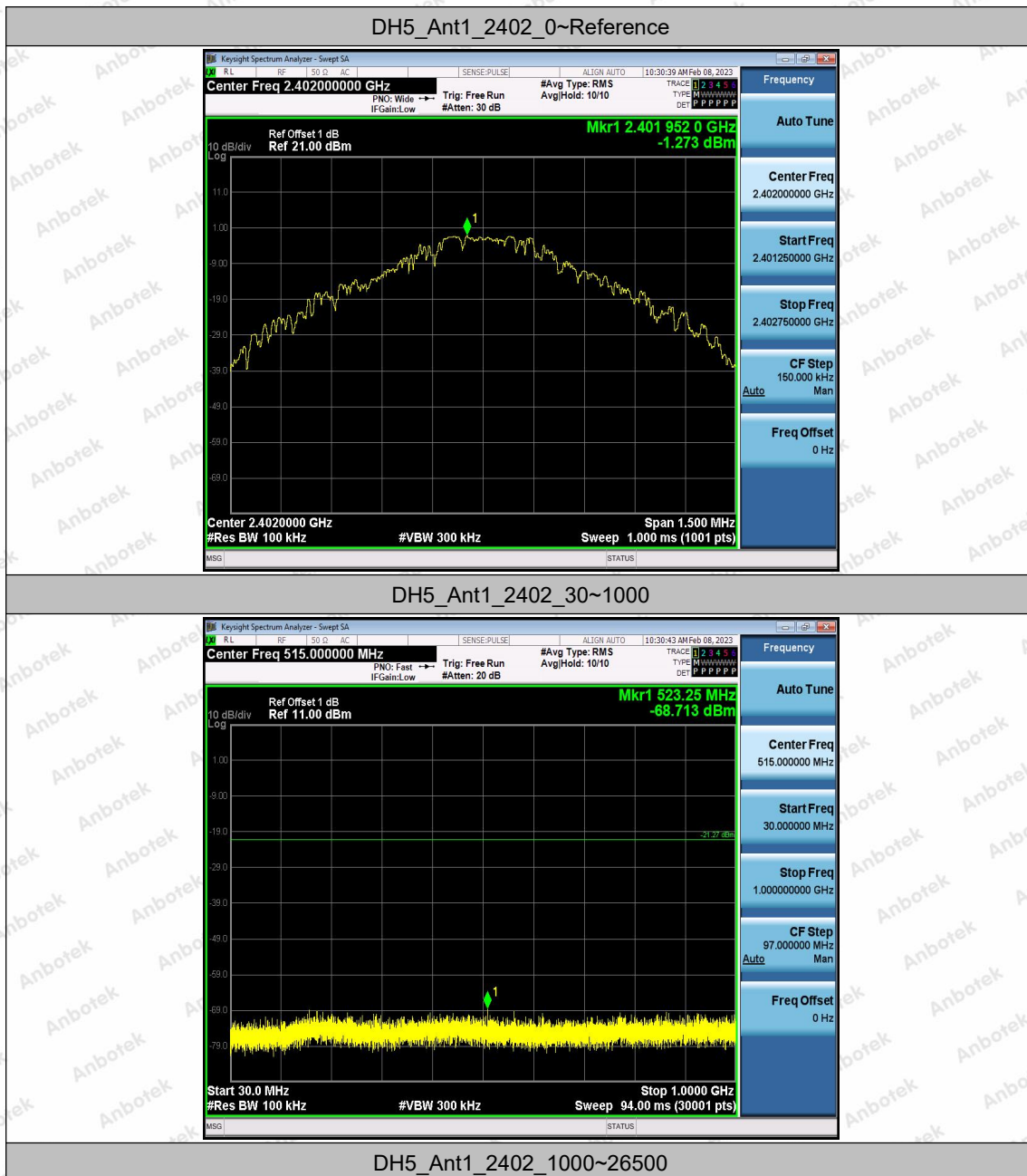
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.27	-1.27	---	PASS
			30~1000	-1.27	-68.71	≤-21.27	PASS
			1000~26500	-1.27	-53.46	≤-21.27	PASS
		2441	Reference	-1.27	-1.27	---	PASS
			30~1000	-1.27	-68.14	≤-21.27	PASS
			1000~26500	-1.27	-53	≤-21.27	PASS
		2480	Reference	-1.89	-1.89	---	PASS
			30~1000	-1.89	-68.59	≤-21.89	PASS
			1000~26500	-1.89	-53.23	≤-21.89	PASS



Test Graphs



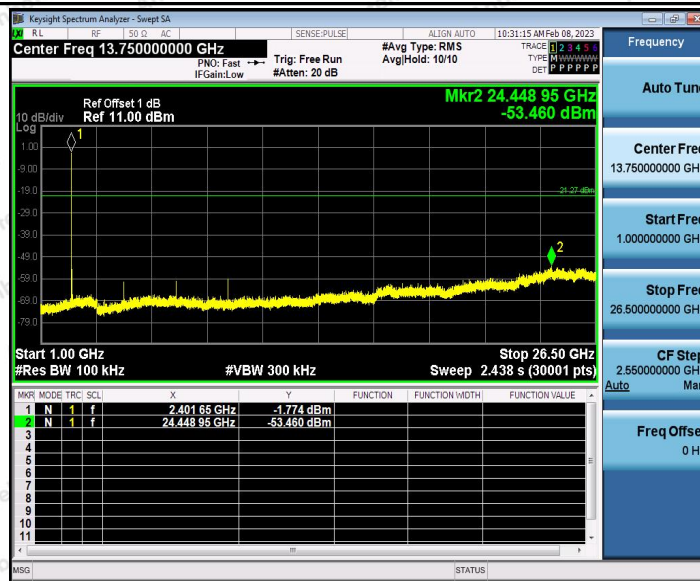
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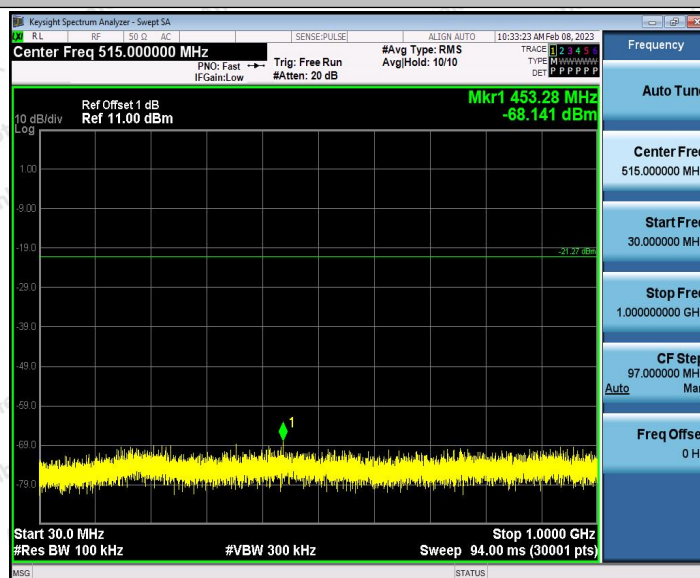




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



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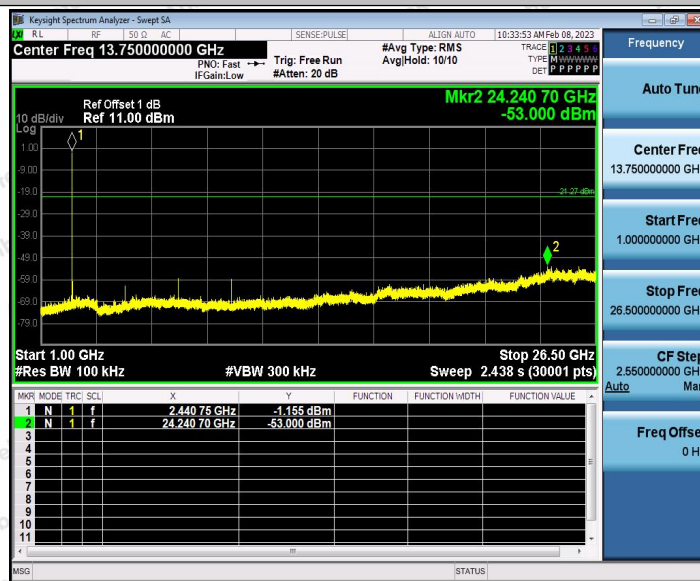
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

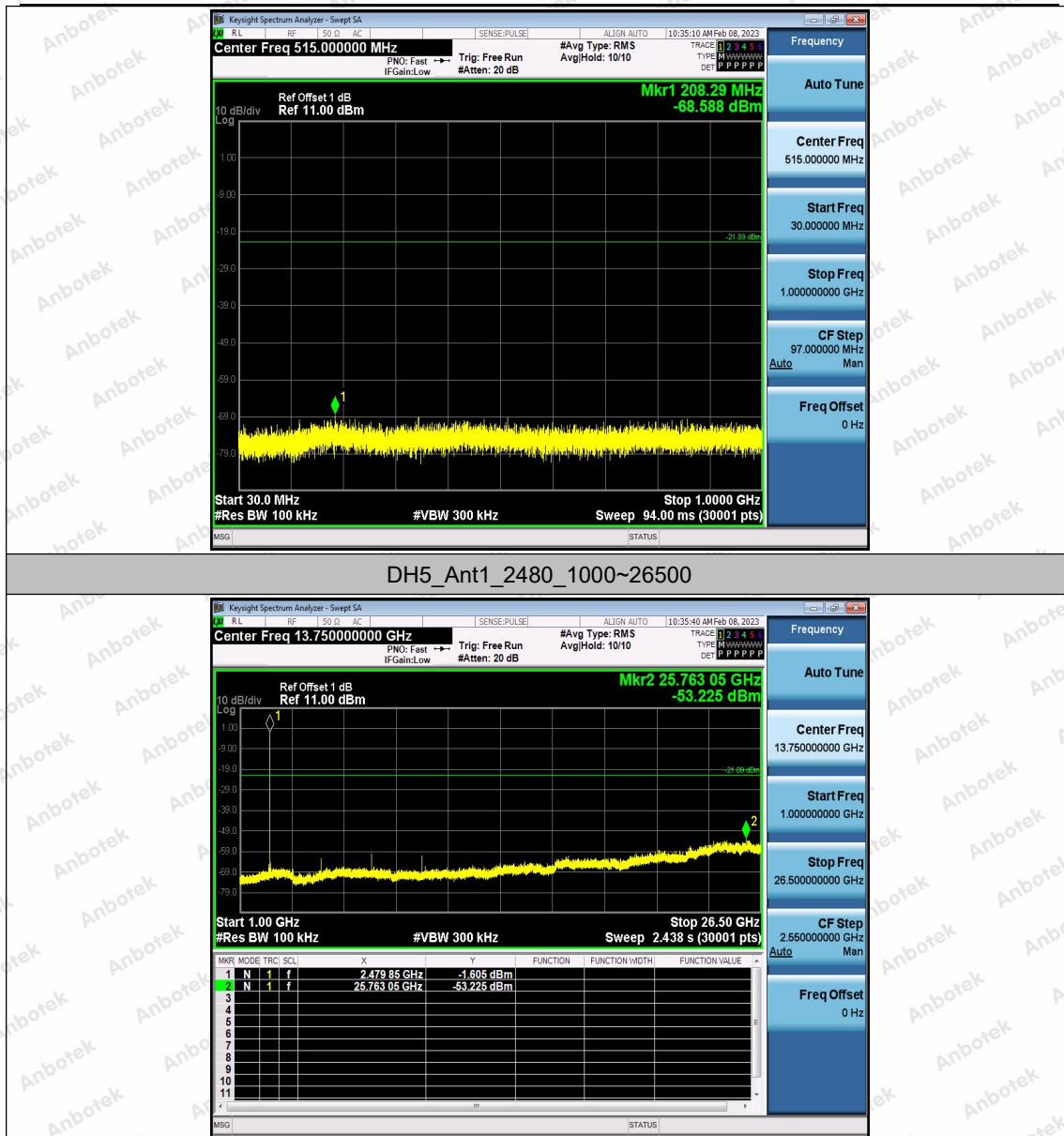
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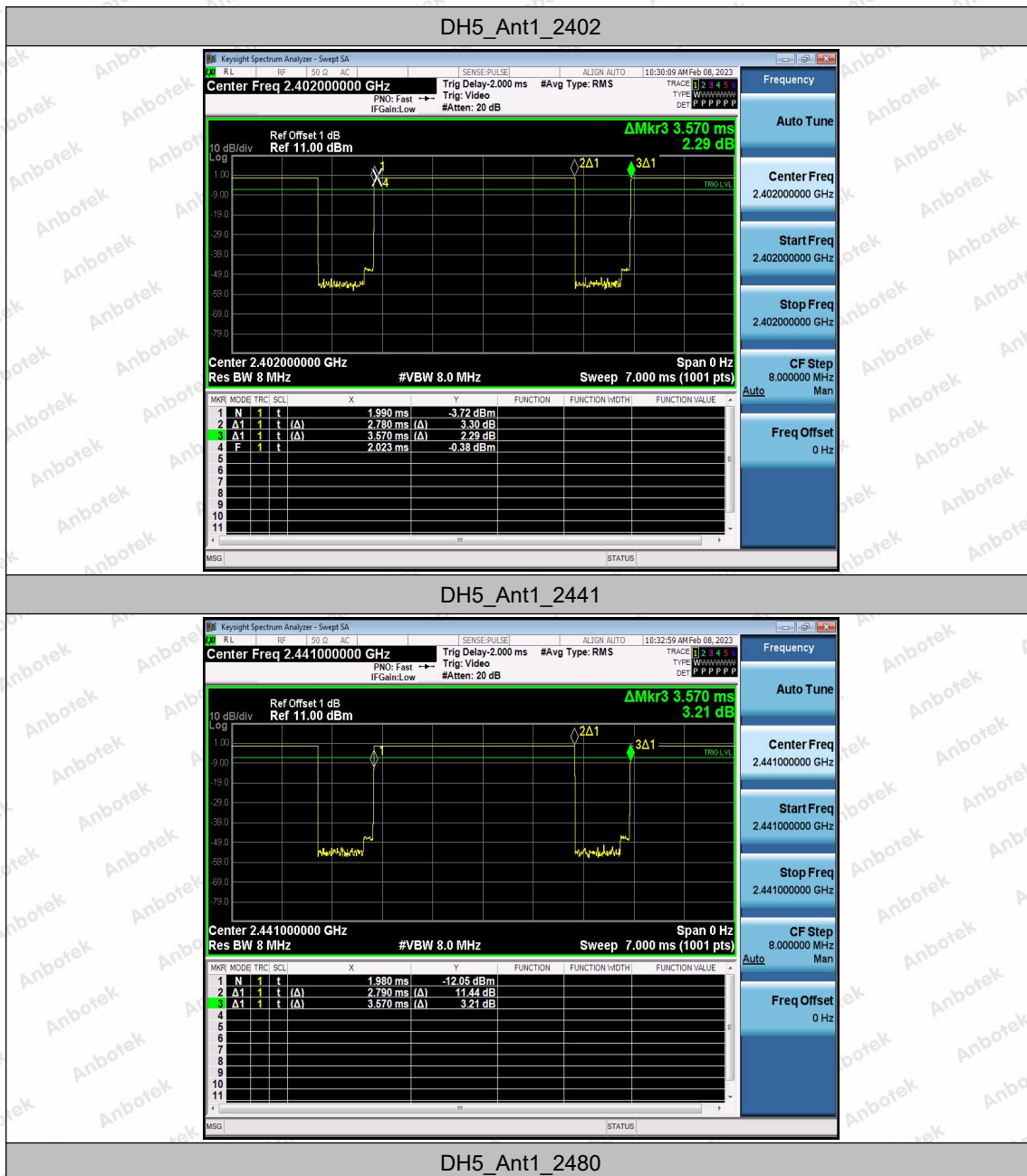
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.78	3.57	77.87	1.09
		2441	2.79	3.57	78.15	1.07
		2480	2.79	3.57	78.15	1.07



Test Graphs



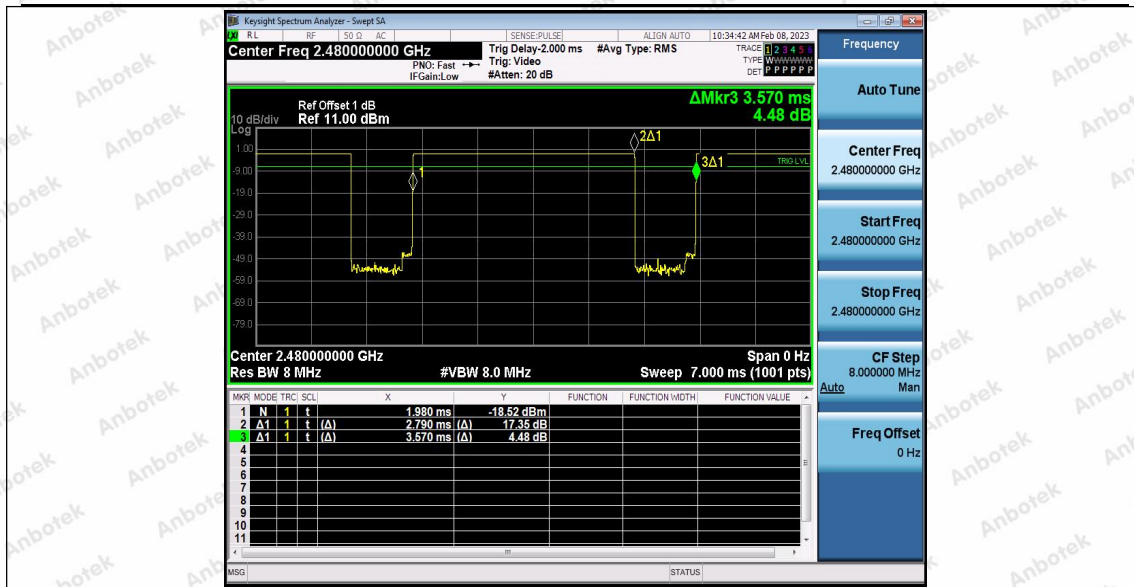
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