

Appendix Test Data

Report No.:	18220WC30001801	Test Sample No.:	1-2-2
Start Test Date:	2023.1.5	Finish Test Date:	2023.1.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	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	1.044	2401.460	2402.504
		2441	0.966	2440.532	2441.498
		2480	1.041	2479.460	2480.501

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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	0.88685	2401.5602	2402.4471
		2441	0.91021	2440.5504	2441.4606
		2480	0.89839	2479.5554	2480.4538

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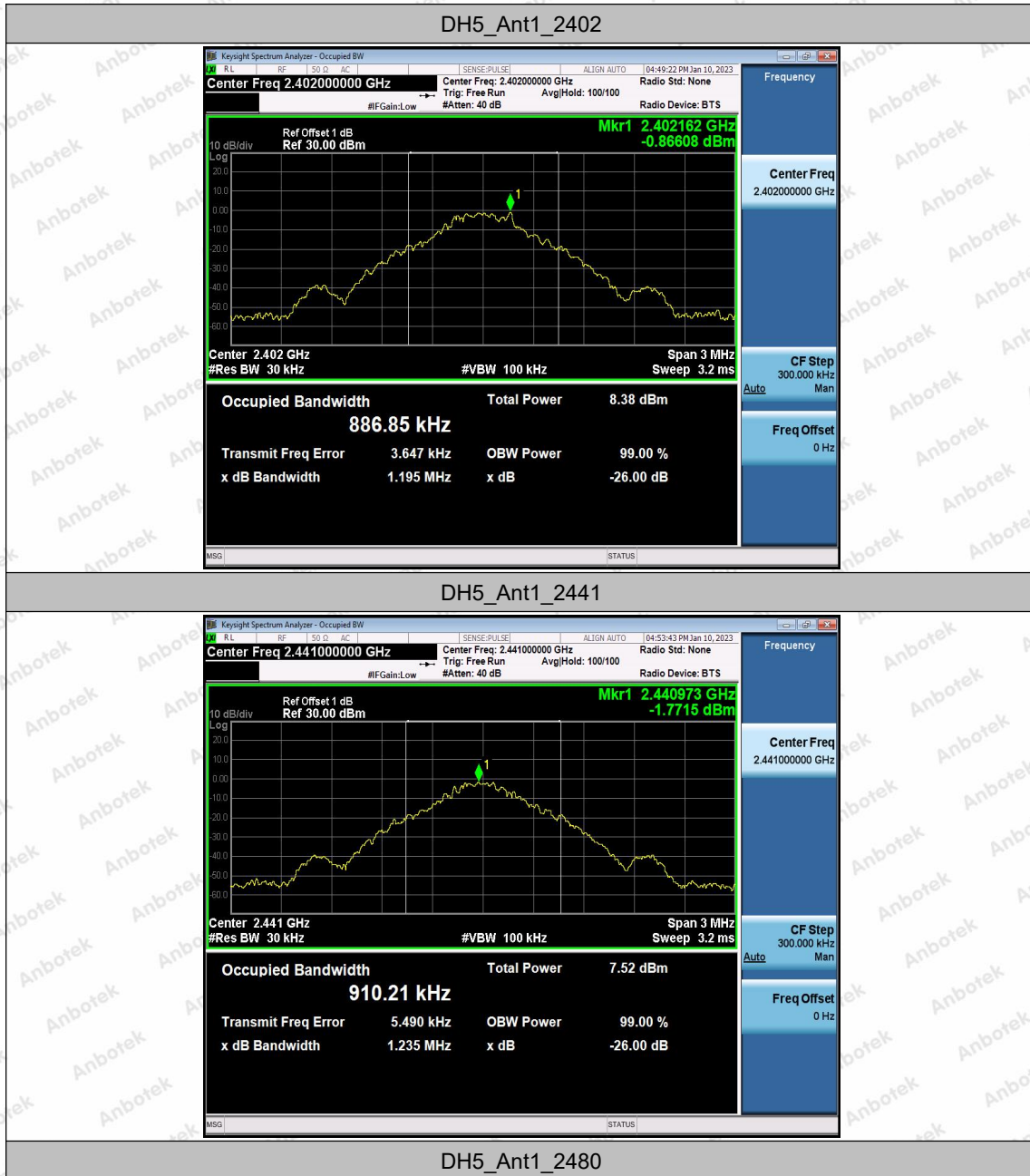
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Test Graphs



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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	0.52	≤20.97	PASS



Test Graphs

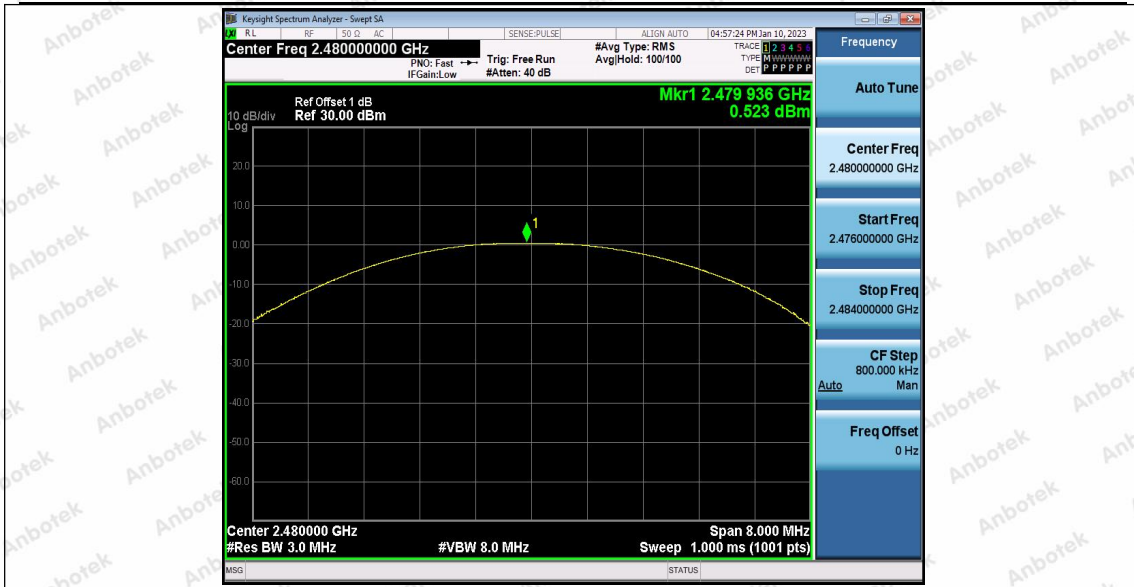


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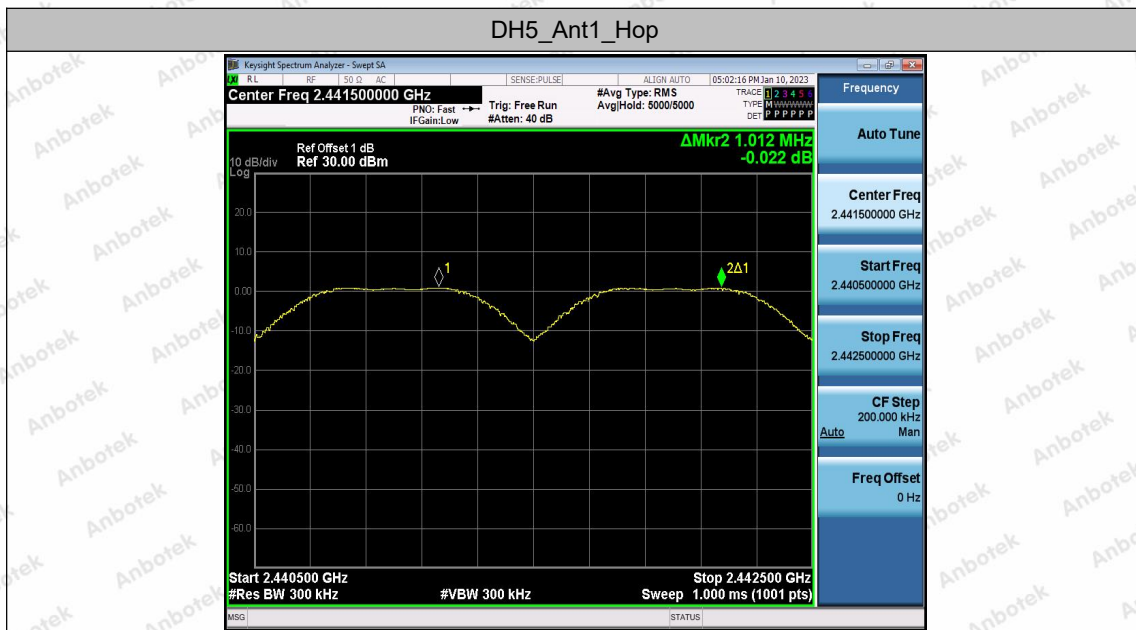


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥0.696	PASS

Test Graphs



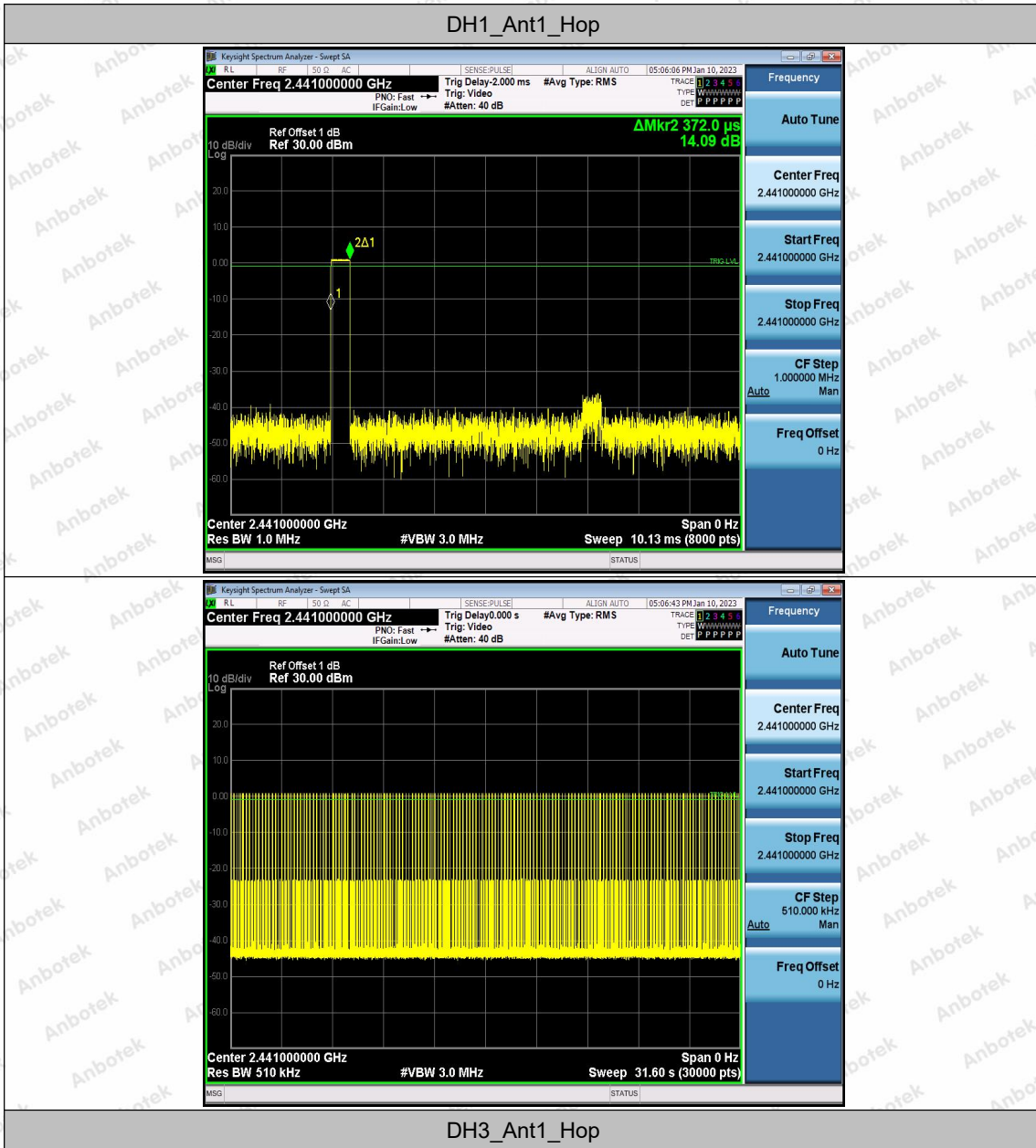
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.372	313	0.116	≤0.4	PASS
DH3	Ant1	Hop	1.629	159	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.877	99	0.285	≤0.4	PASS



Test Graphs

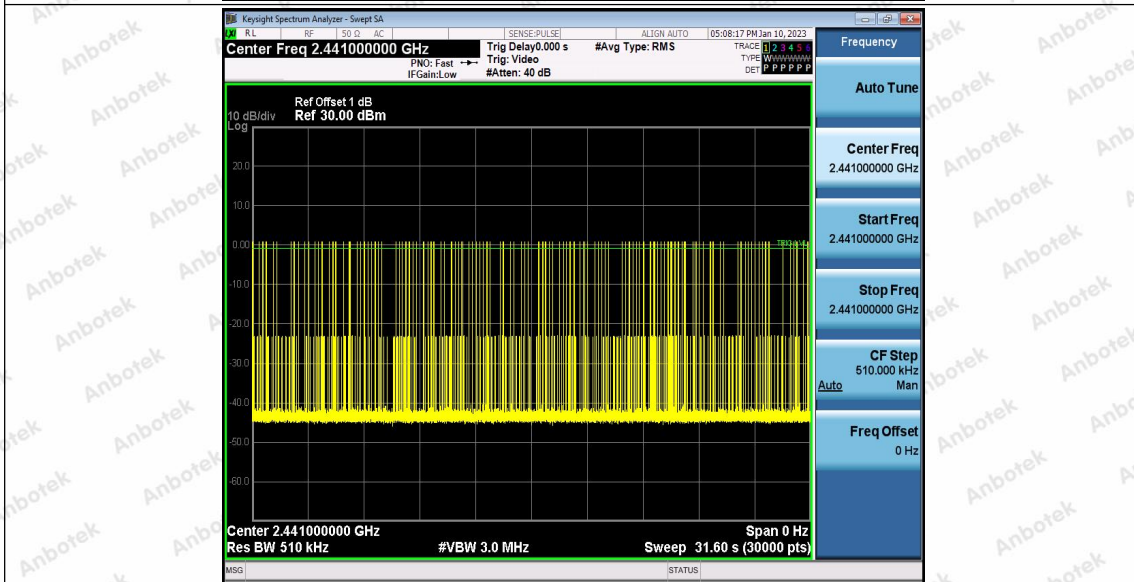
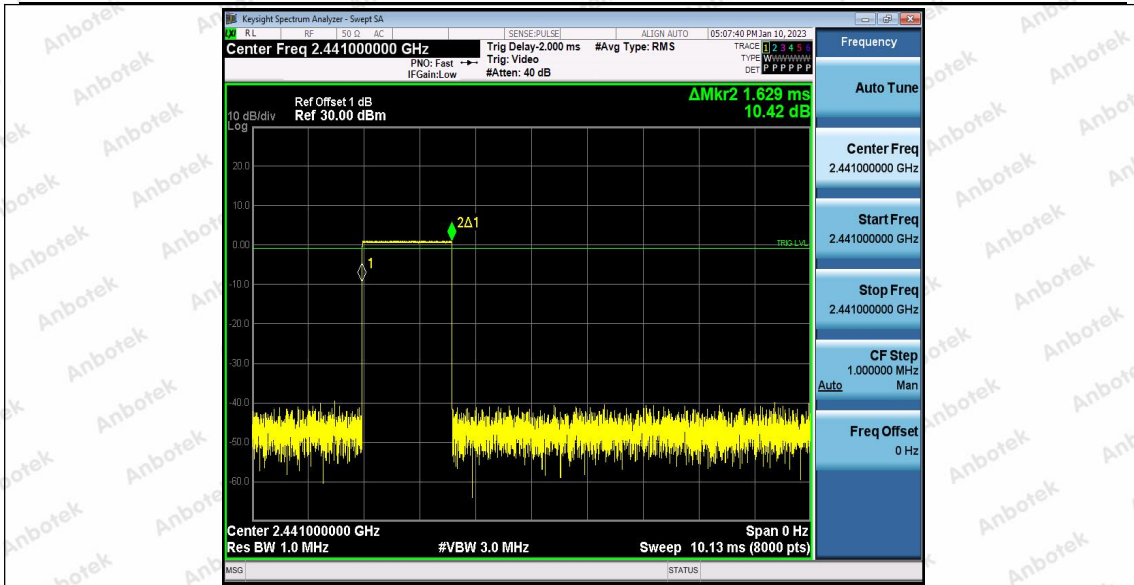


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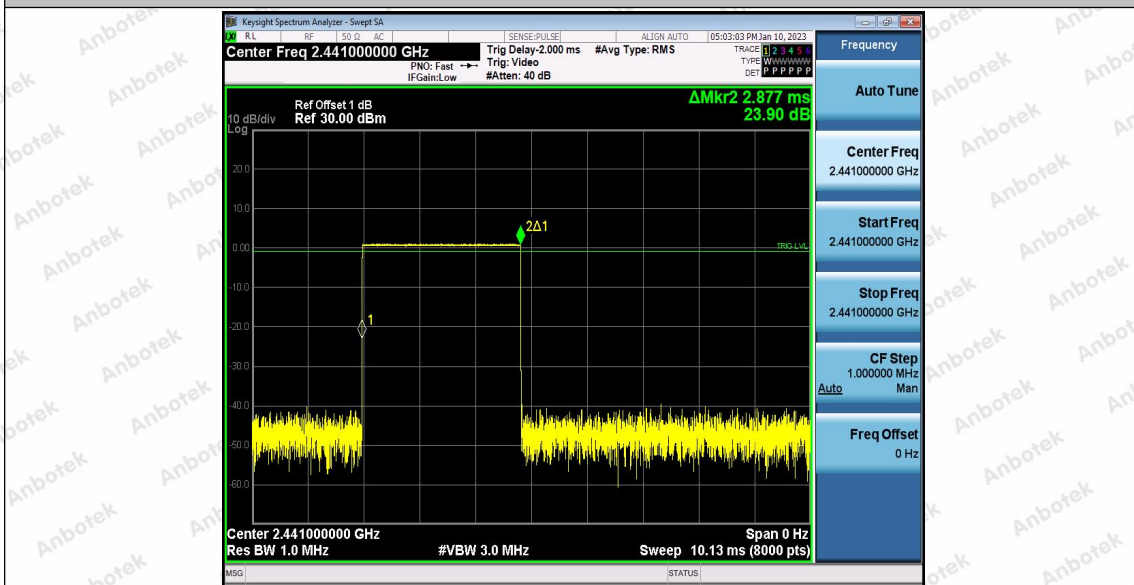
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DH5_Ant1_Hop

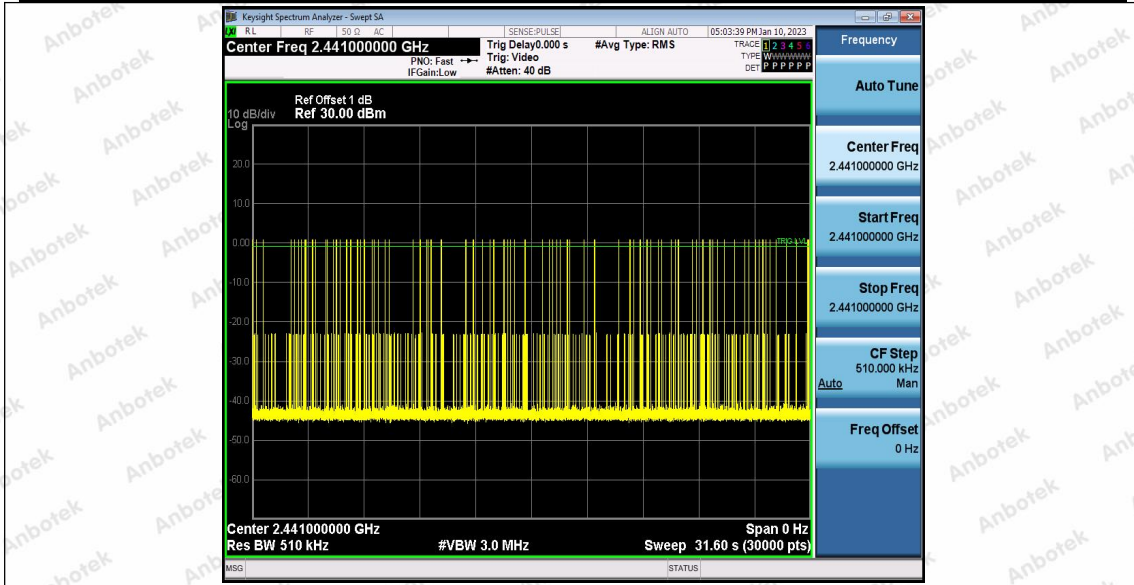


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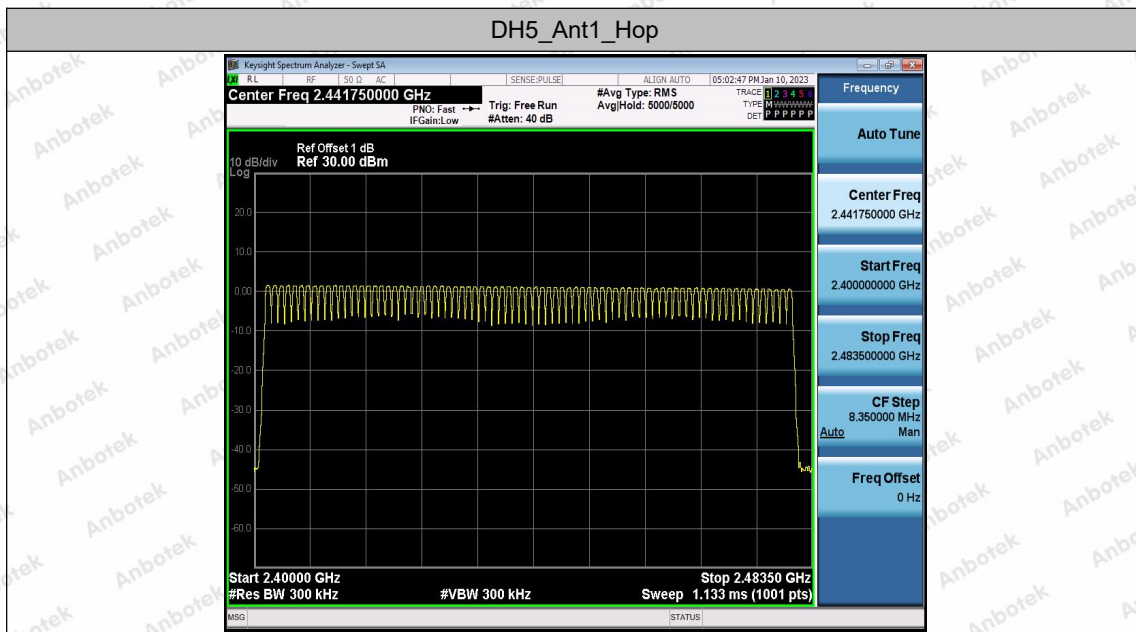


Appendix F: Number of hopping channels

Test Result

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

Test Graphs



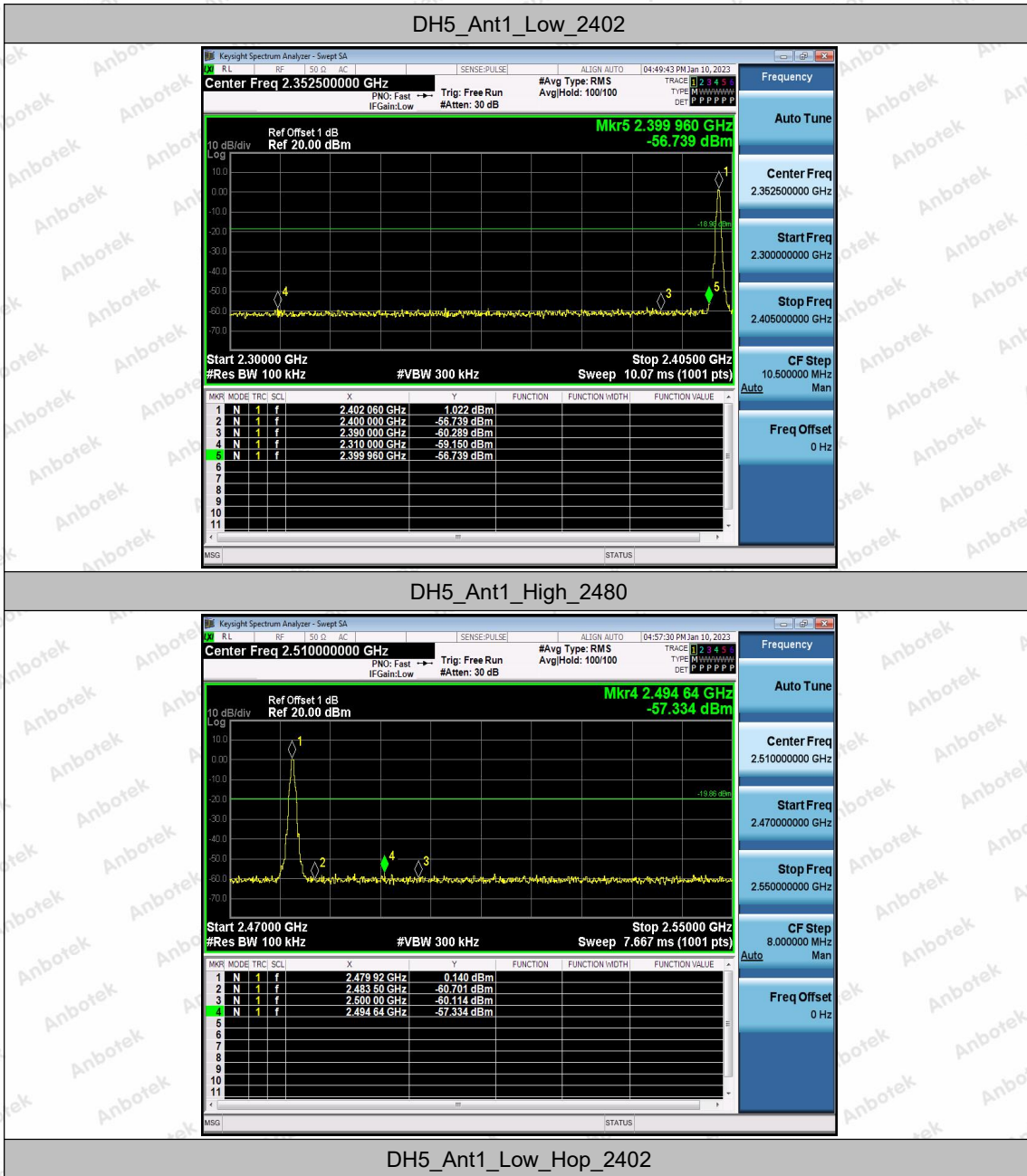
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.02	-56.74	≤-18.98	PASS
		High	2480	0.14	-57.33	≤-19.86	PASS
		Low	Hop_2402	1.28	-57.9	≤-18.72	PASS
		High	Hop_2480	0.32	-53.17	≤-19.68	PASS



Test Graphs

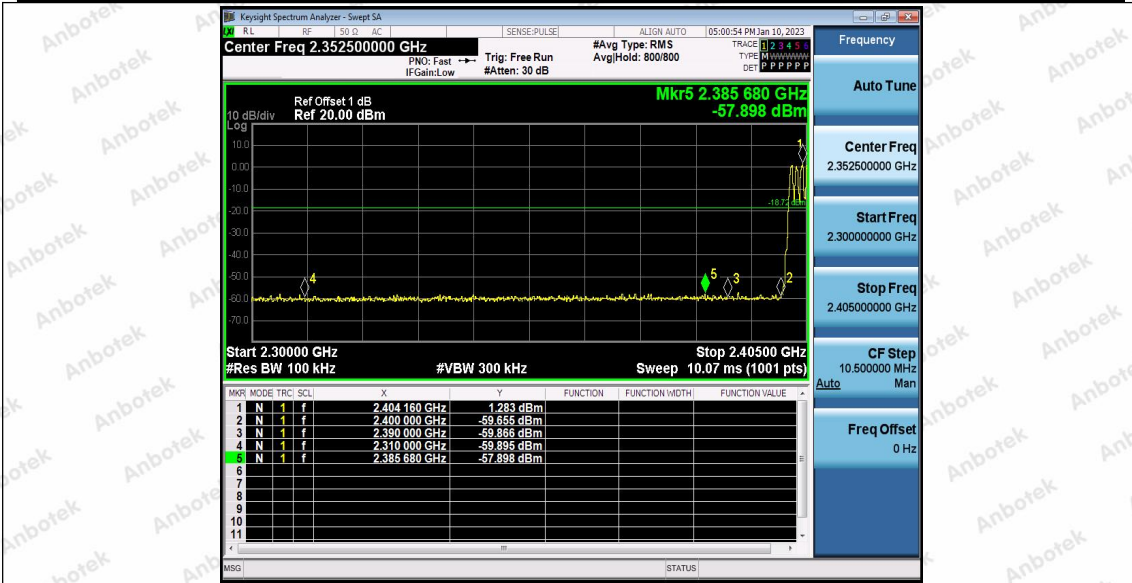


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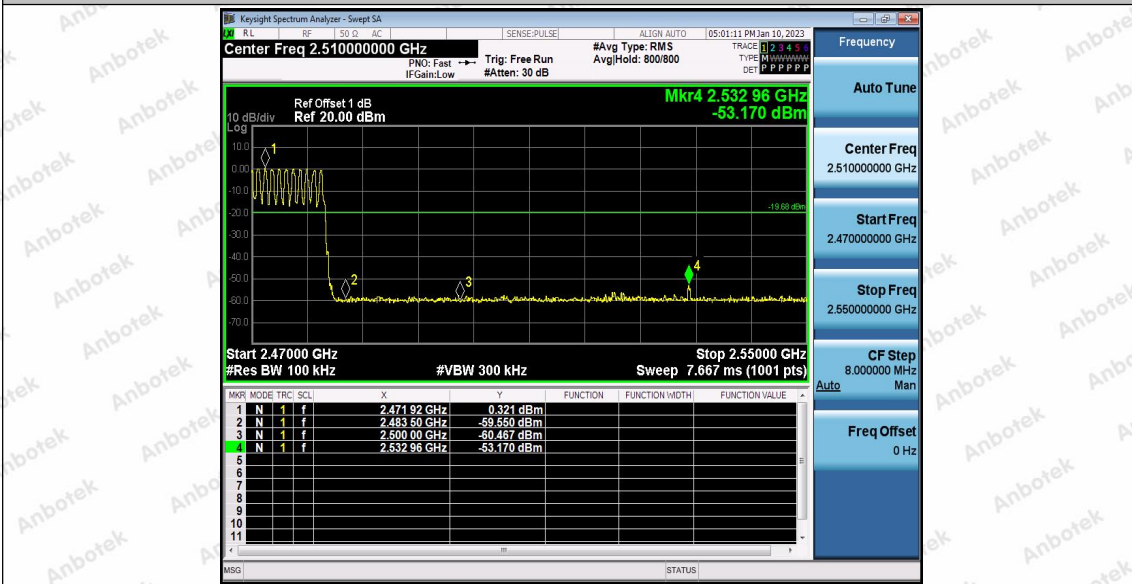
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DH5_Ant1_High_Hop_2480



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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	0.58	0.58	---	PASS
			30~1000	0.58	-69.6	≤-19.42	PASS
			1000~26500	0.58	-52.71	≤-19.42	PASS
		2441	Reference	0.18	0.18	---	PASS
			30~1000	0.18	-68.76	≤-19.82	PASS
			1000~26500	0.18	-53.88	≤-19.82	PASS
		2480	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-67.41	≤-20.47	PASS
			1000~26500	-0.47	-53.26	≤-20.47	PASS

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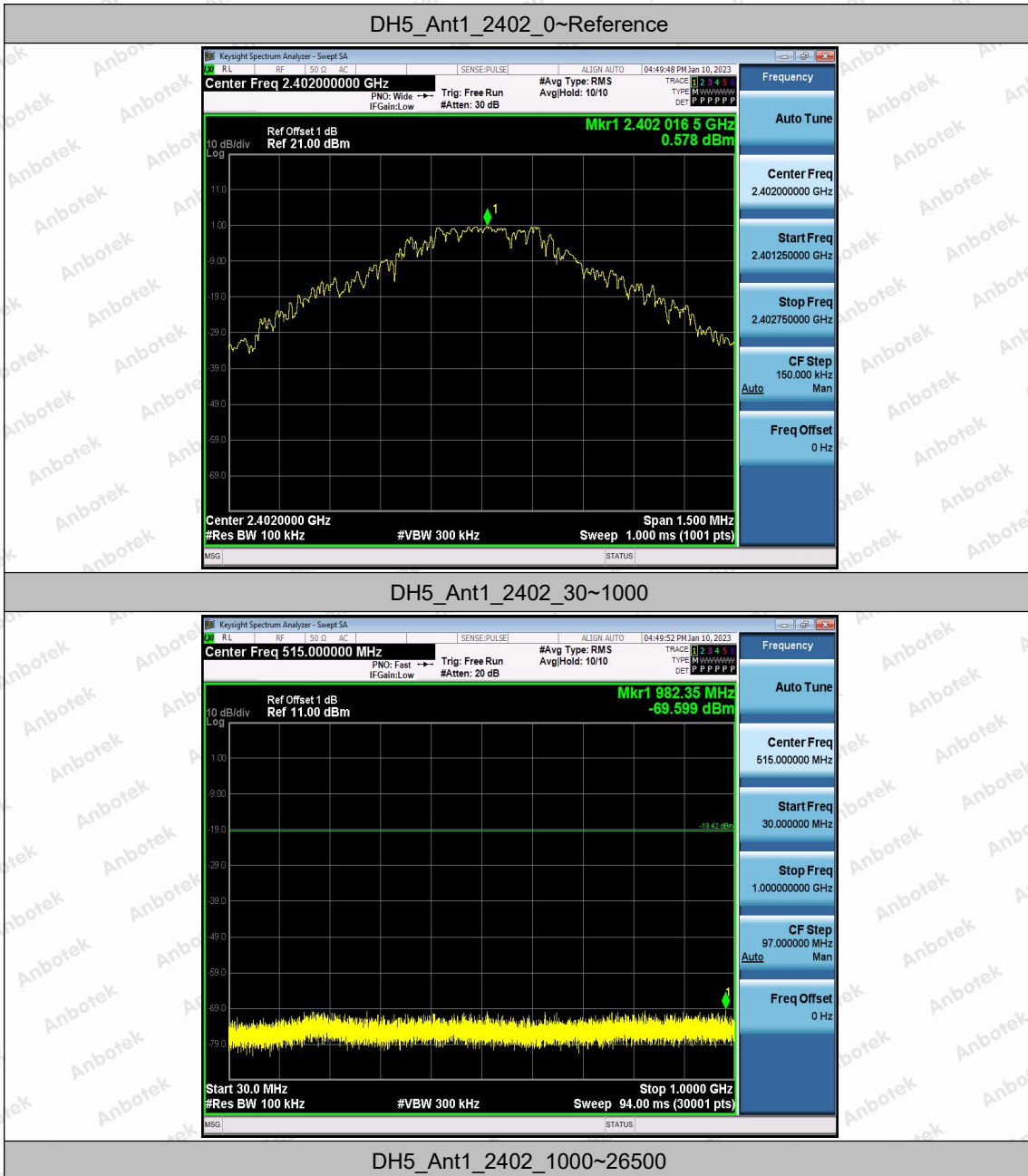
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Test Graphs

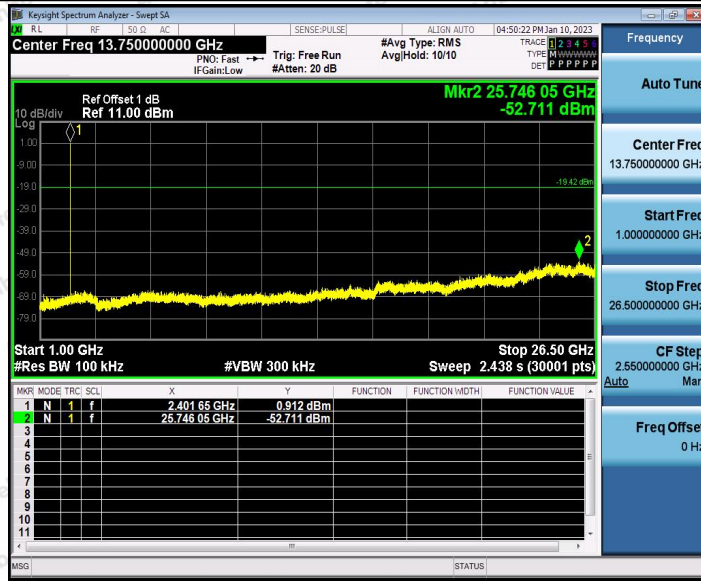


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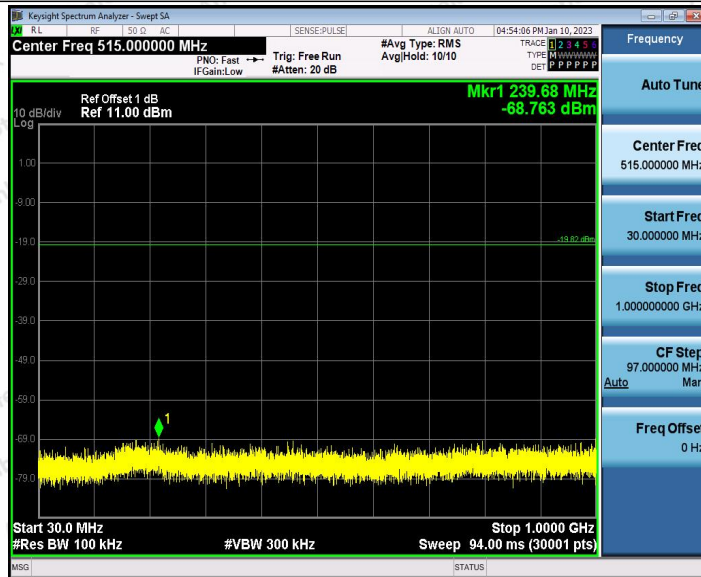




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

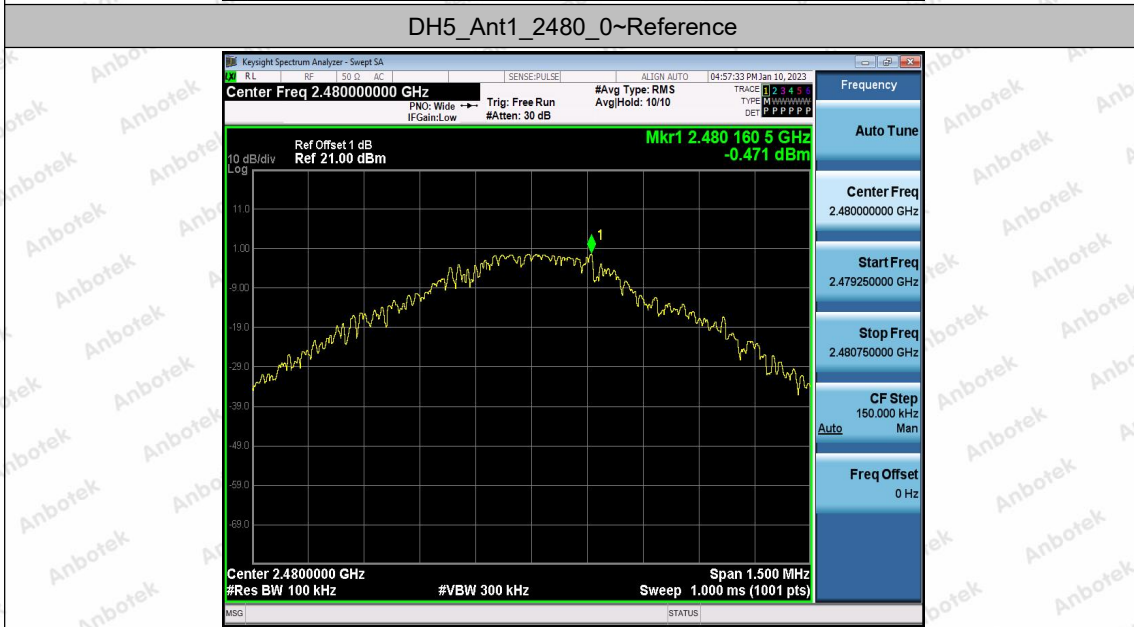
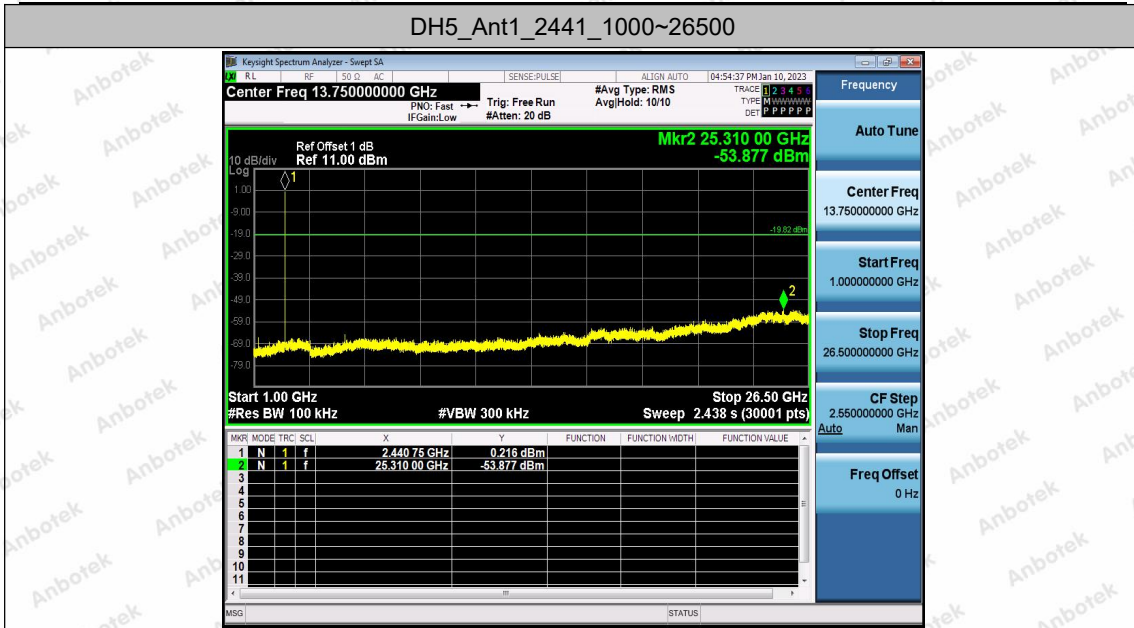


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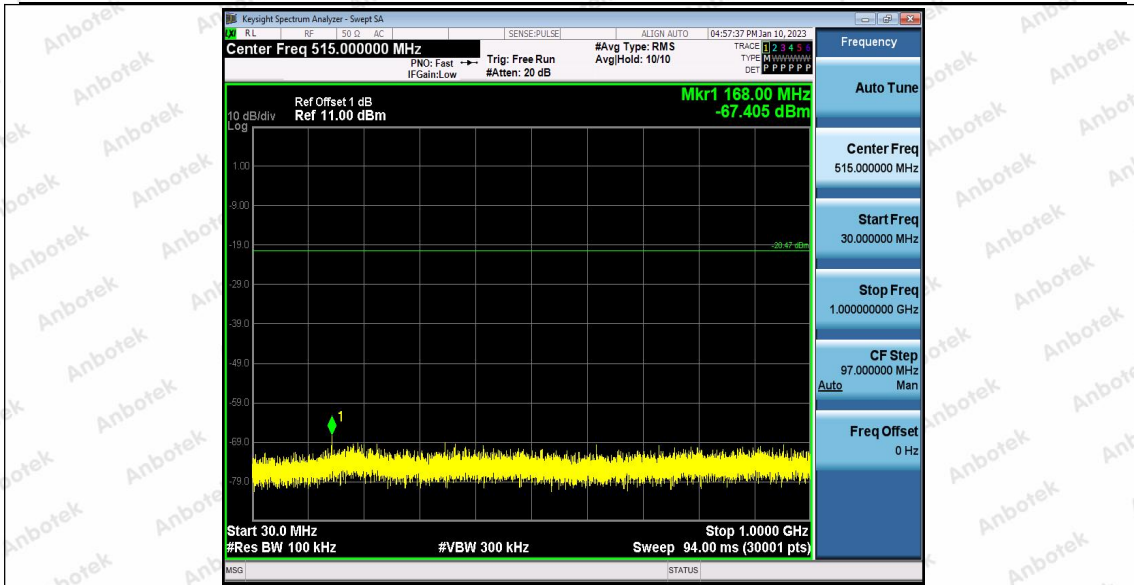
DH5_Ant1_2480_30~1000

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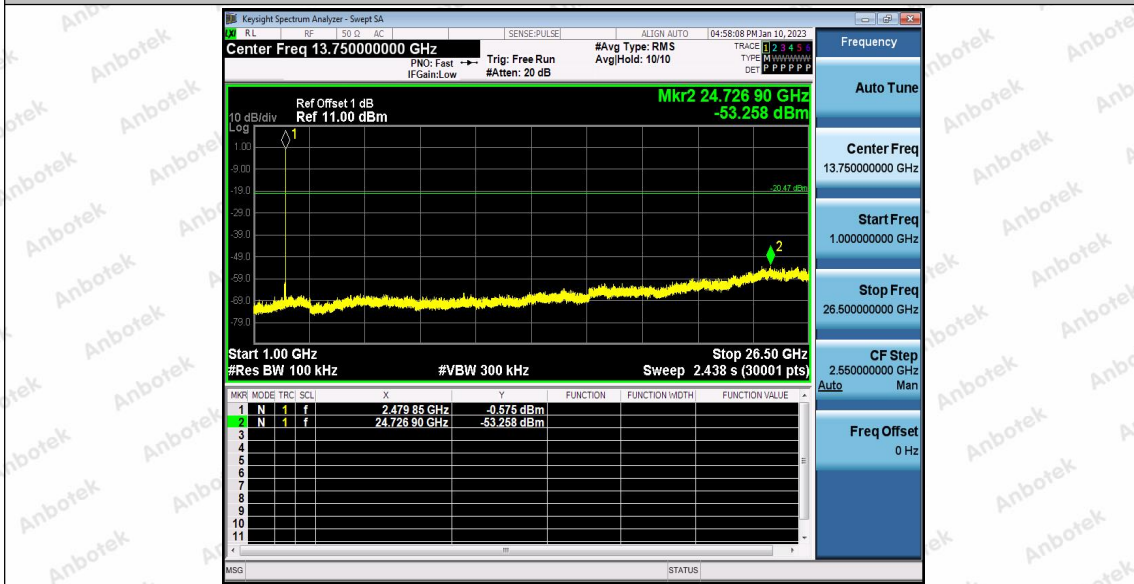
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DH5_Ant1_2480_1000~26500



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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	3.75	76.80	1.15
		2480	2.89	3.75	77.07	1.13

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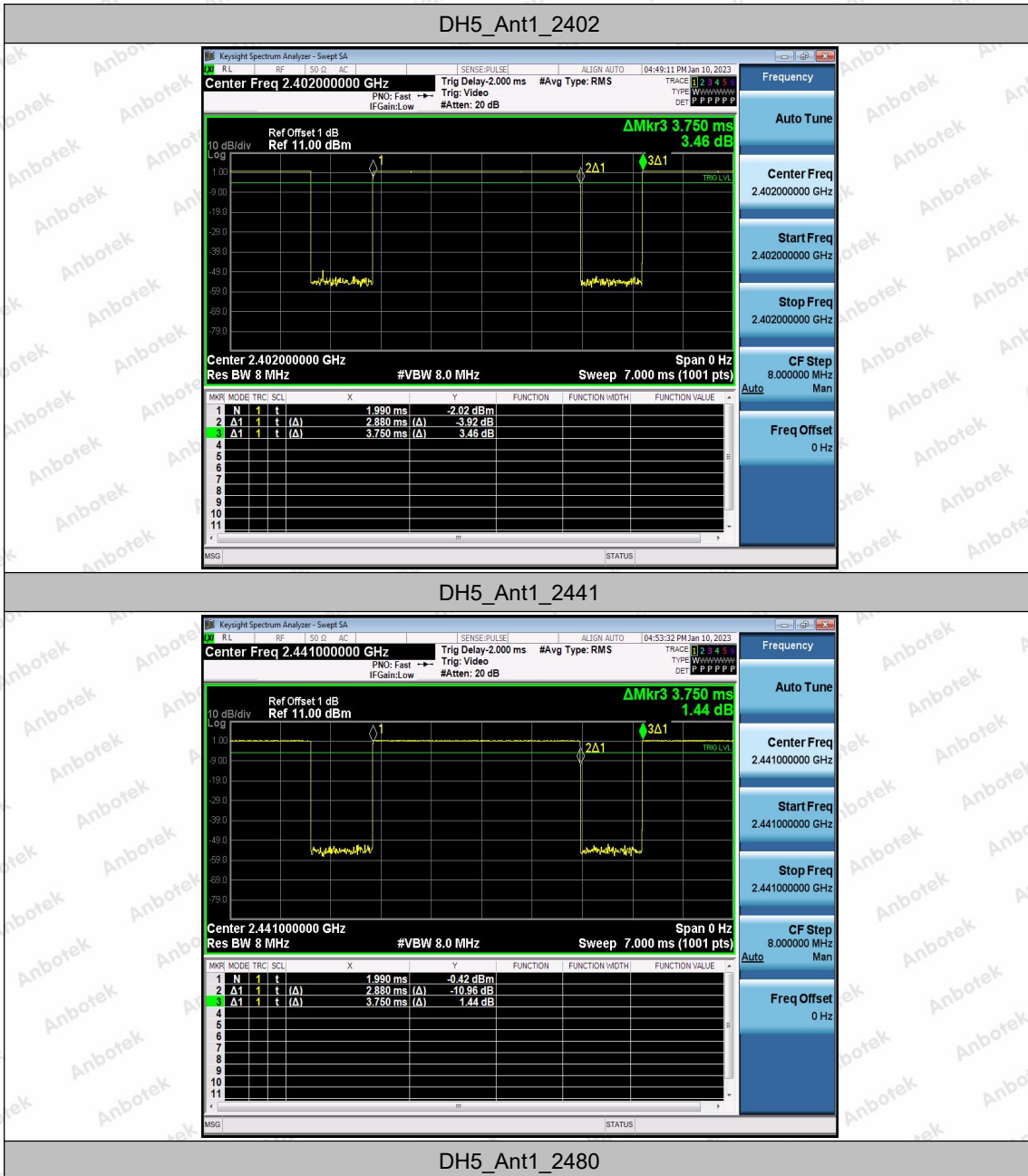
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Test Graphs

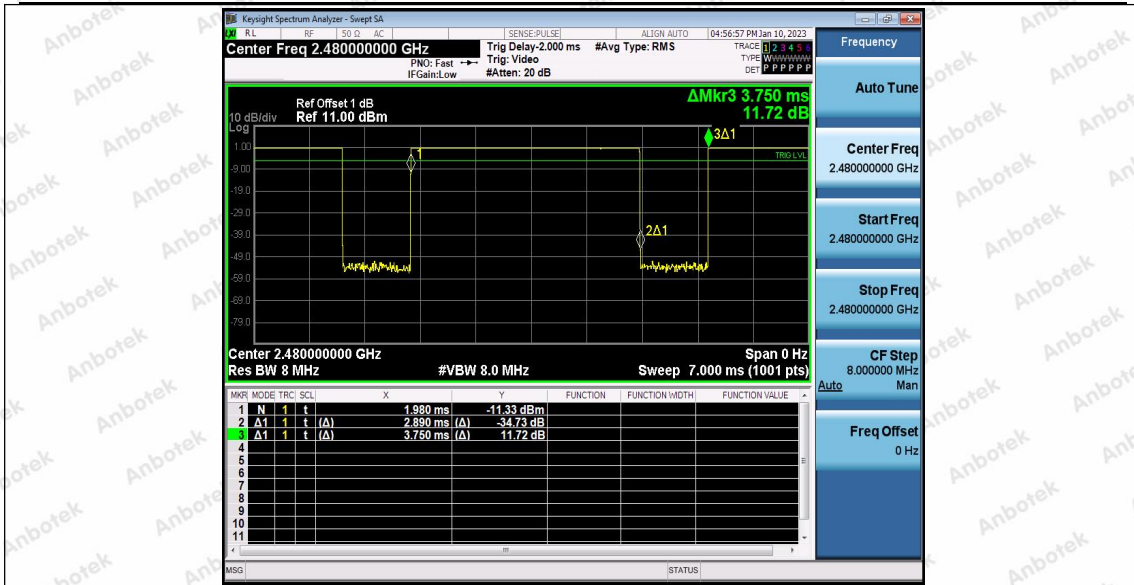


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