

Appendix Test Data

Report No.:	18220WC20023701	Test Sample No.:	1-2-2
Start Test Date:	2022.2.21	Finish Test Date:	2022.2.23
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2408	1.855	2407.200	2409.055	---	PASS
		2440	1.525	2439.325	2440.850	---	PASS
		2474	1.950	2473.110	2475.060	---	PASS

Test Graphs

2.4_Ant1_2408



2.4_Ant1_2440



2.4_Ant1_2474



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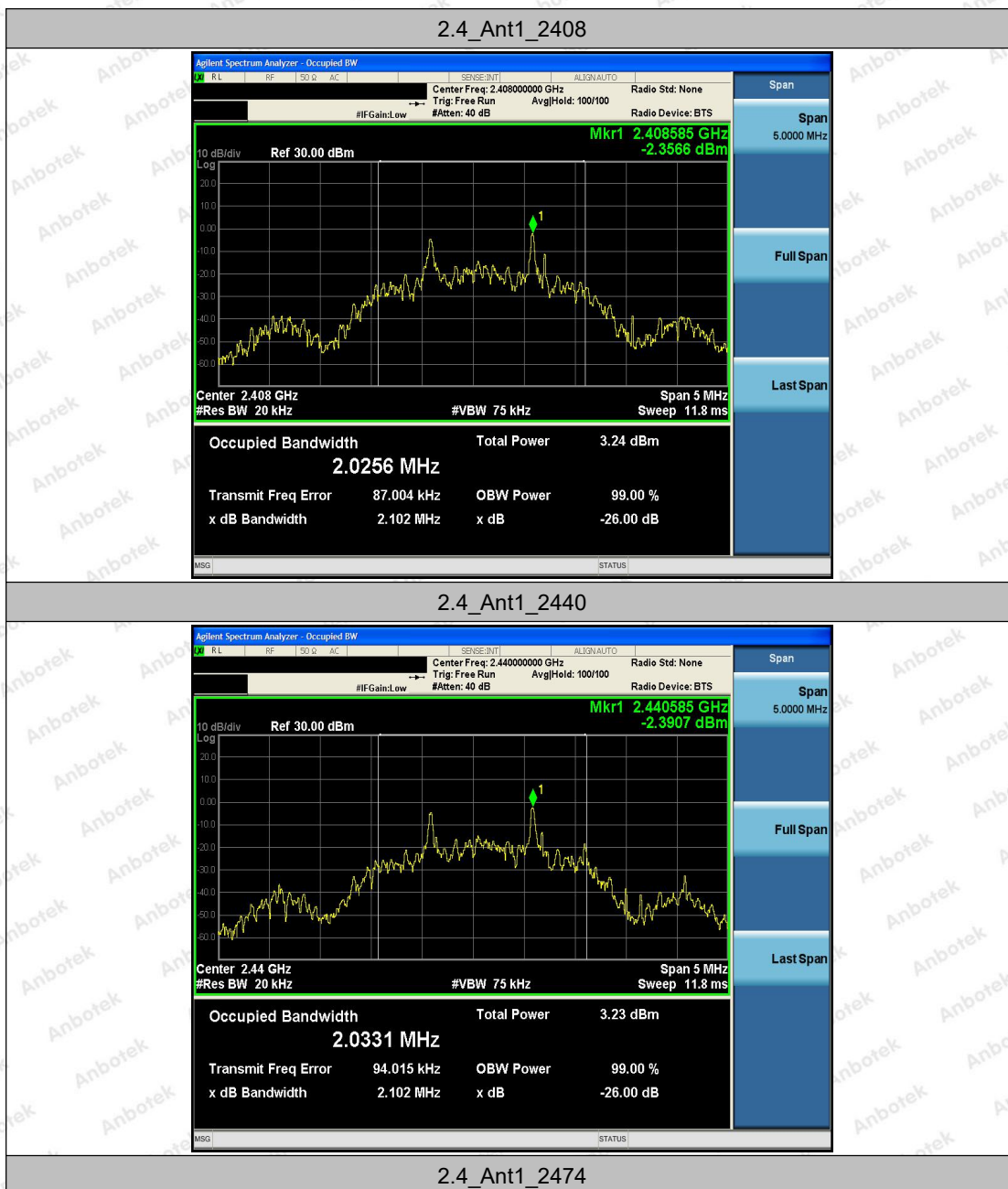
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2408	2.0256	2407.07 4	2409.100	---	PASS
		2440	2.0331	2439.07 7	2441.111	---	PASS
		2474	2.0367	2473.07 1	2475.108	---	PASS

Test Graphs



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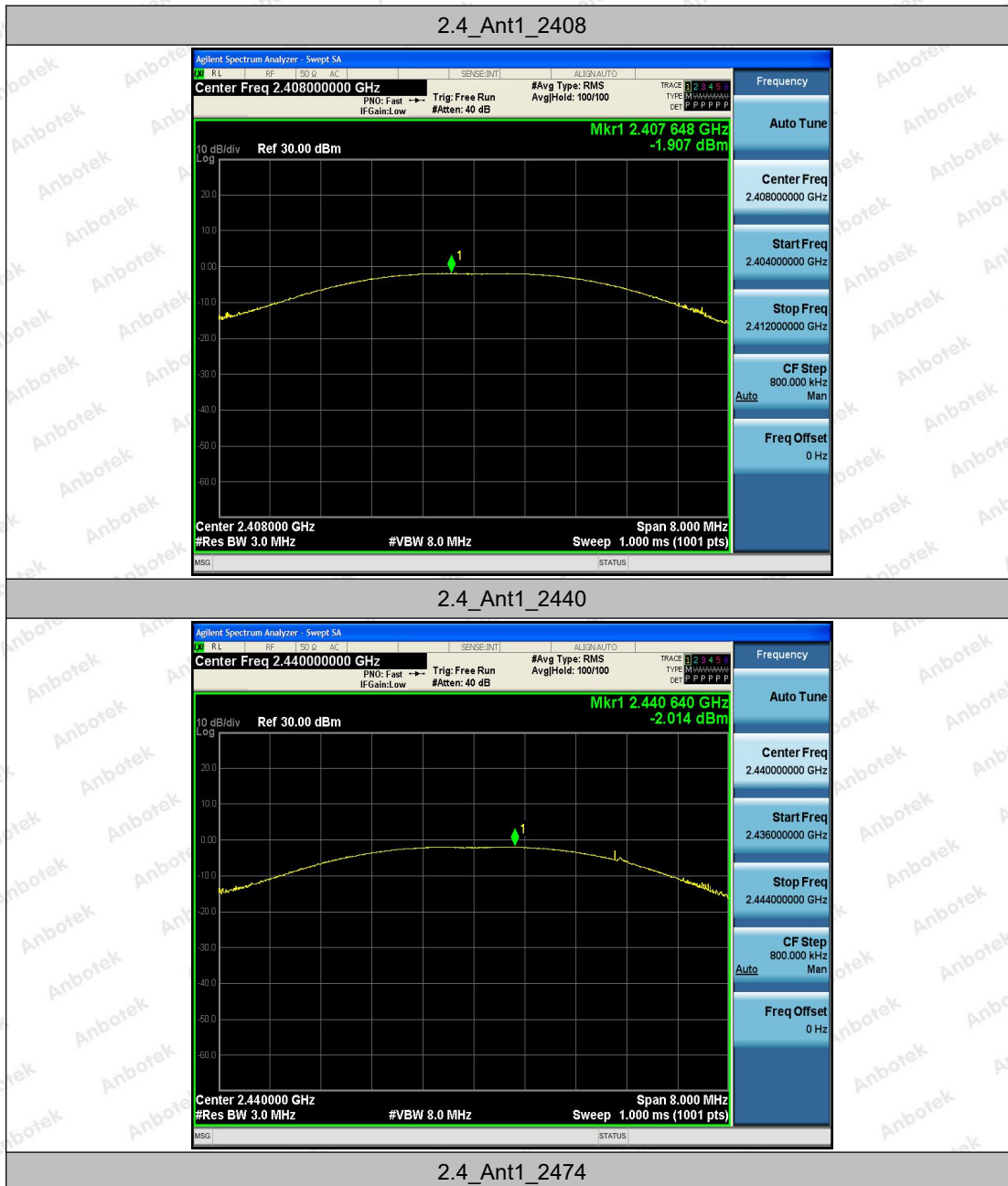
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2408	-1.91	≤30	PASS
		2440	-2.01	≤30	PASS
		2474	-0.3	≤30	PASS

Test Graphs



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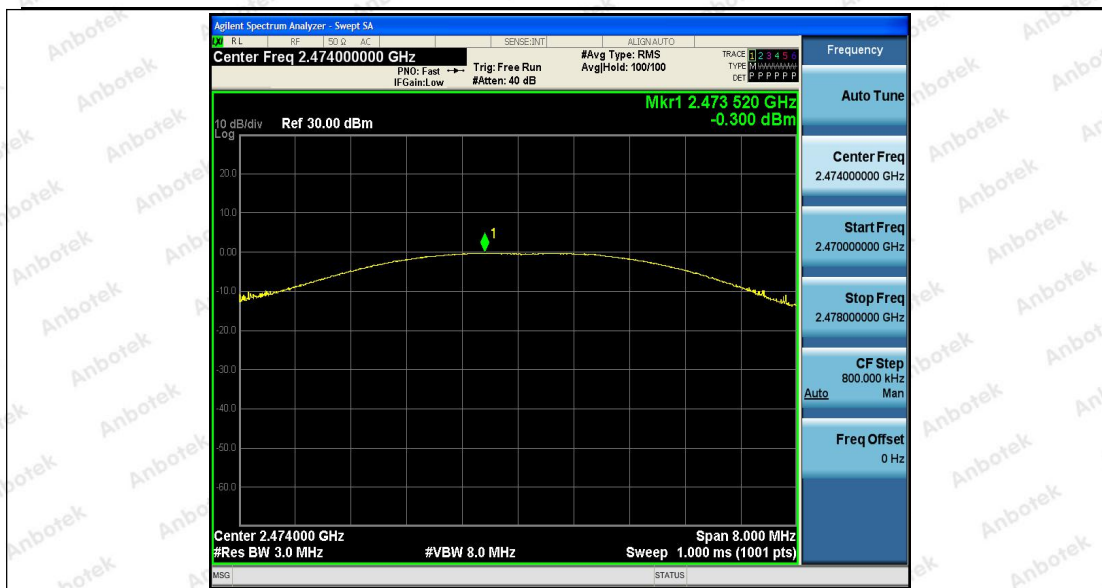
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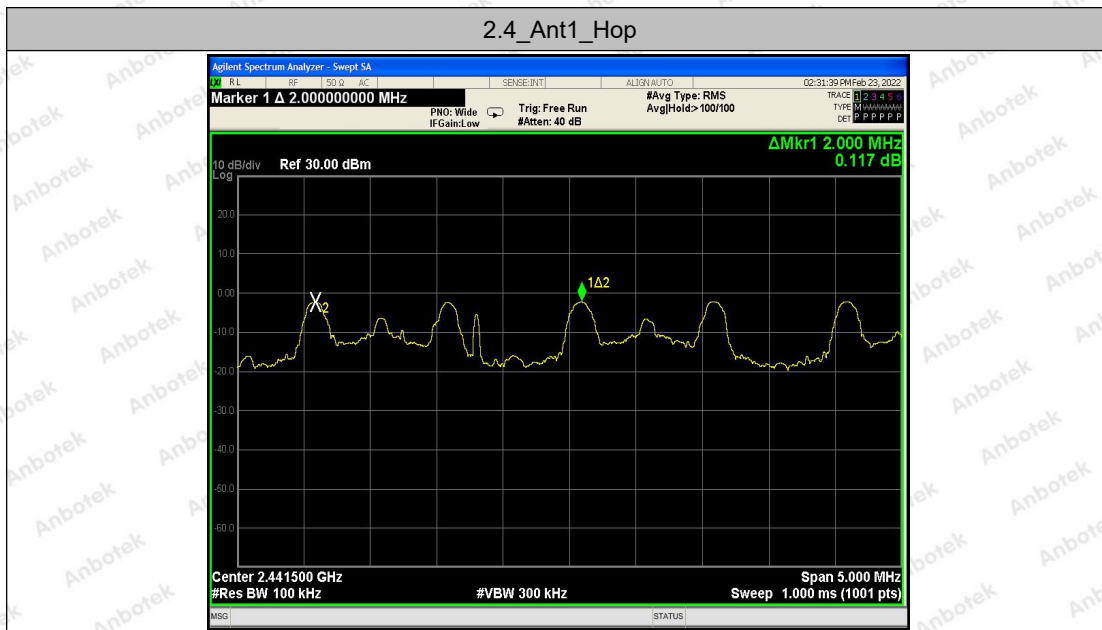
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	2.00	≥ 0.025	PASS

Test Graphs



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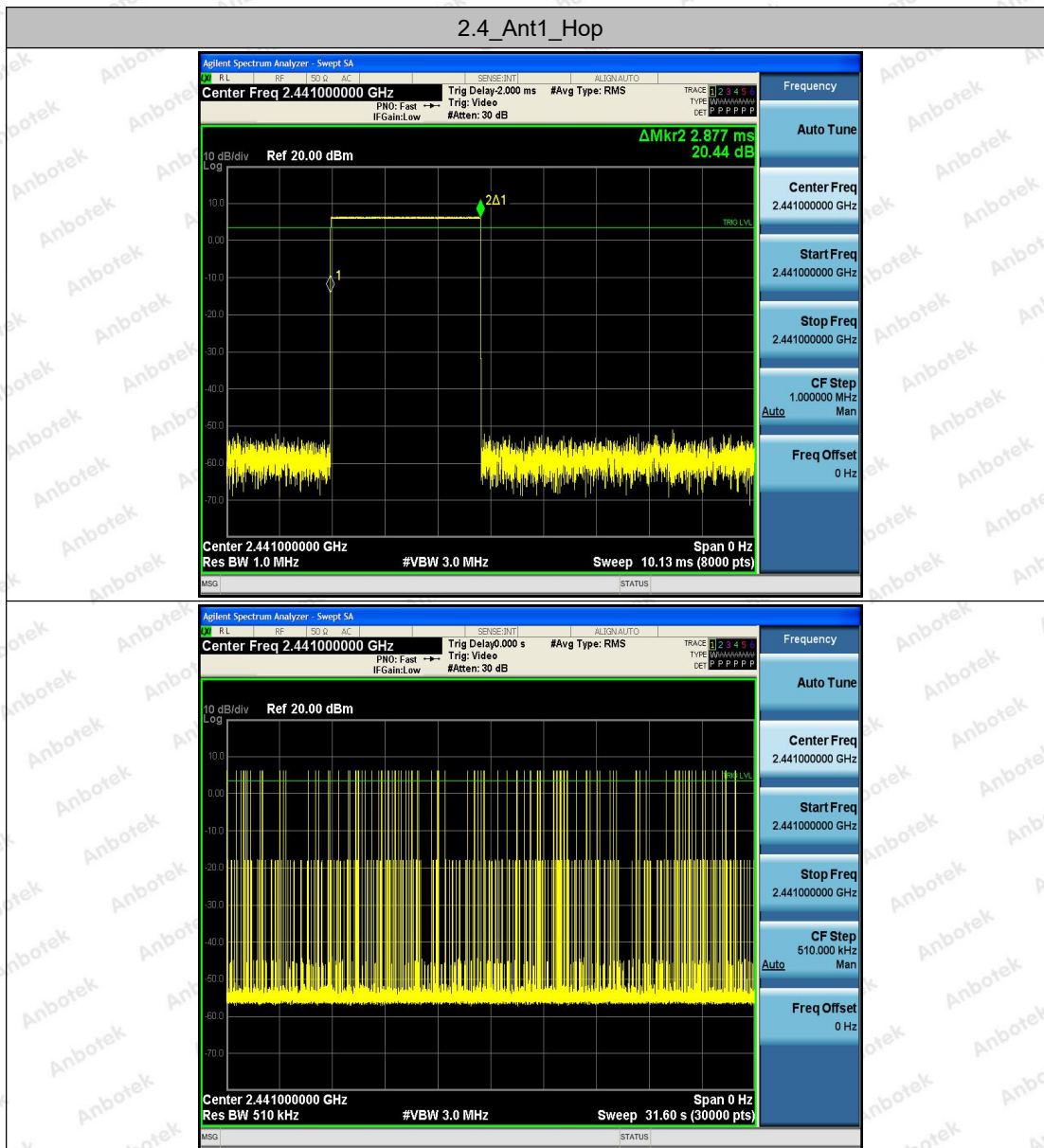
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	2.88	105	0.302	≤0.4	PASS

Test Graphs



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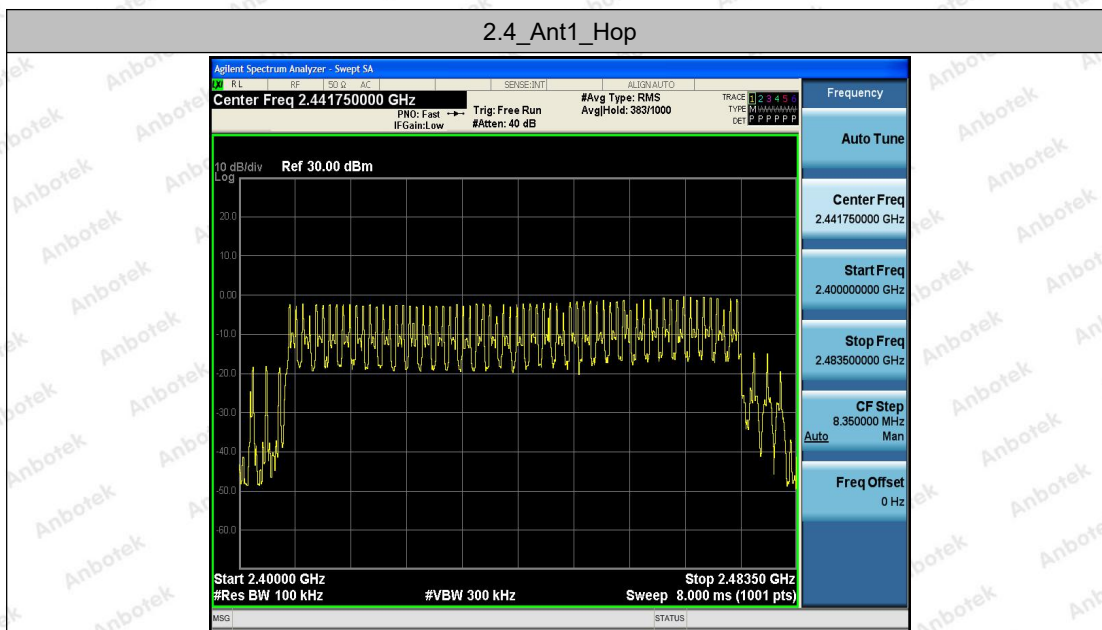
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4	Ant1	Hop	34	≥15	PASS

Test Graphs



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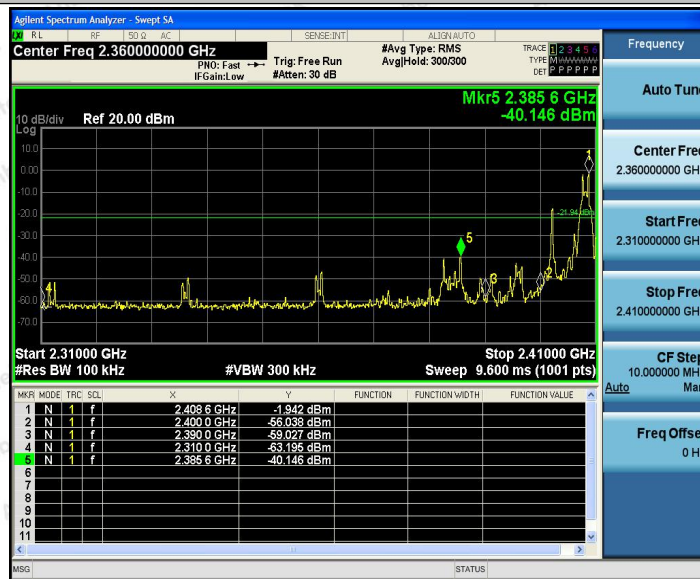
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2408	-1.94	-40.15	≤ -21.94	PASS
		High	2474	-2.64	-44.63	≤ -22.64	PASS
		Low	Hop	-2.73	-37.6	≤ -22.73	PASS
		High	Hop	-2.62	-60.99	≤ -22.62	PASS

Test Graphs

2.4_Ant1_Low_2408



2.4_Ant1_High_2474



2.4_Ant1_Low_Hop

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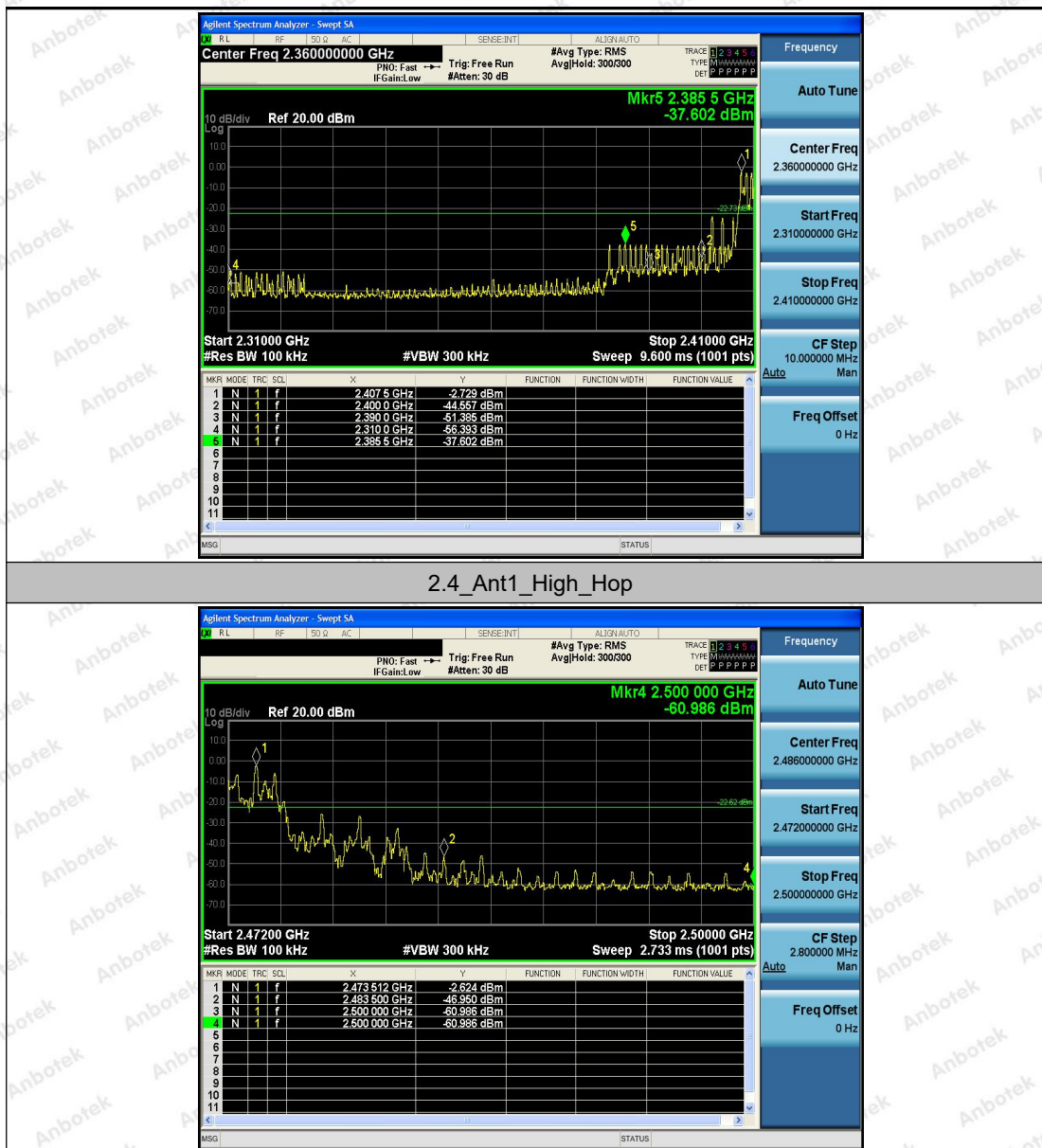
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Appendix H: Conducted Spurious Emission

Test Result

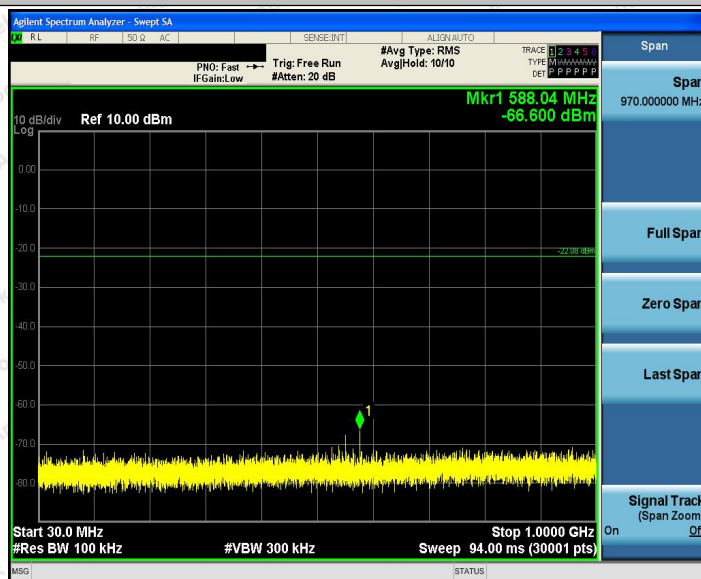
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2408	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-66.6	≤-22.08	PASS
			1000~26500	-2.08	-47.84	≤-22.08	PASS
		2440	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-66.36	≤-22.17	PASS
			1000~26500	-2.17	-48.83	≤-22.17	PASS
		2474	Reference	-0.54	-0.54	---	PASS
			30~1000	-0.54	-66.79	≤-20.54	PASS
			1000~26500	-0.54	-55.4	≤-20.54	PASS

Test Graphs

2.4_Ant1_2408_0~Reference



2.4_Ant1_2408_30~1000



2.4_Ant1_2408_1000~26500

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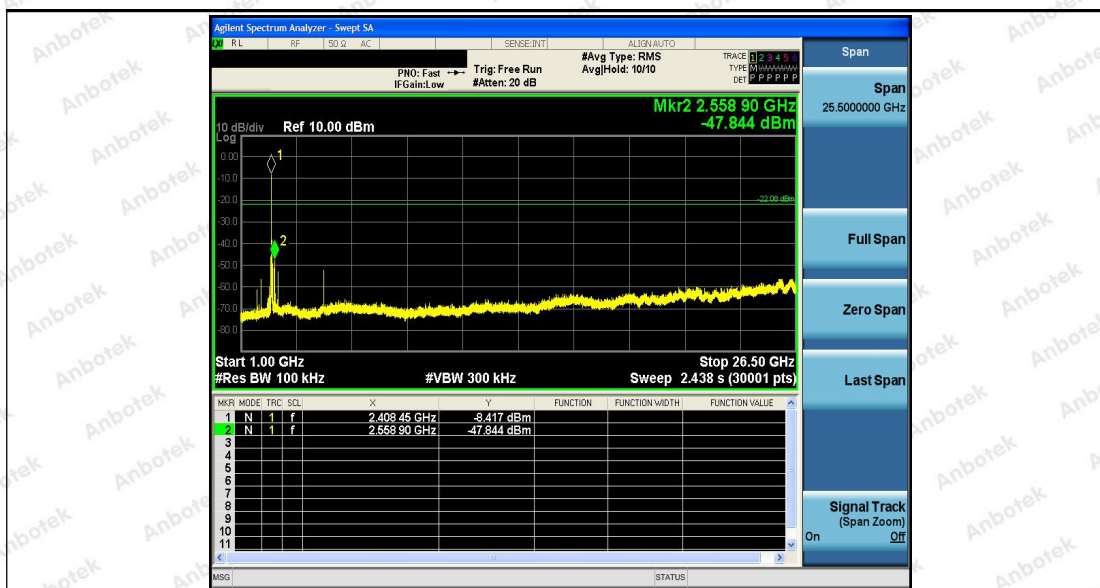
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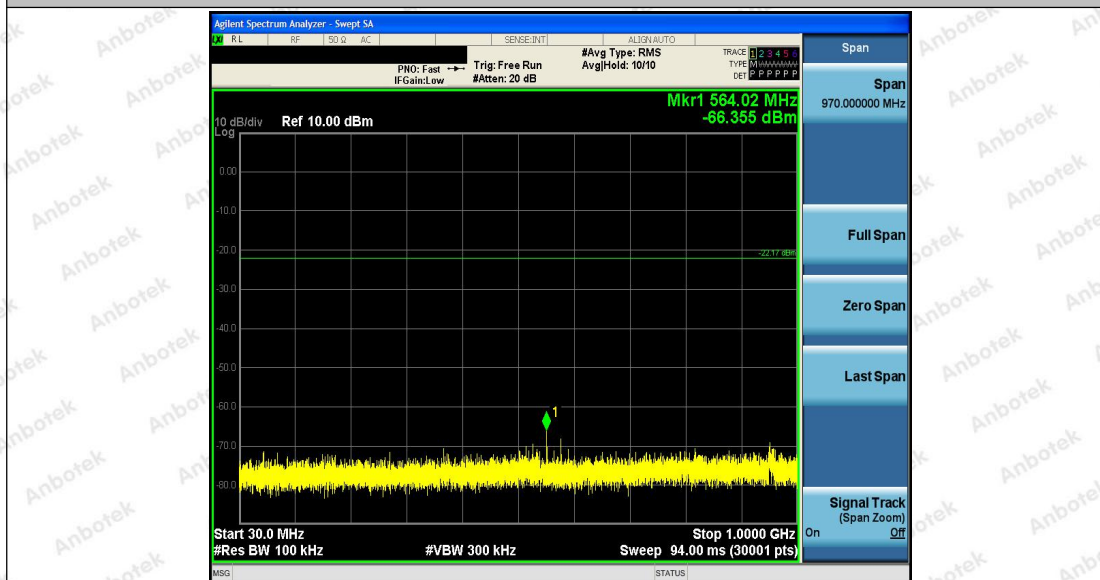
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2.4_Ant1_2440_0~Reference



2.4_Ant1_2440_30~1000



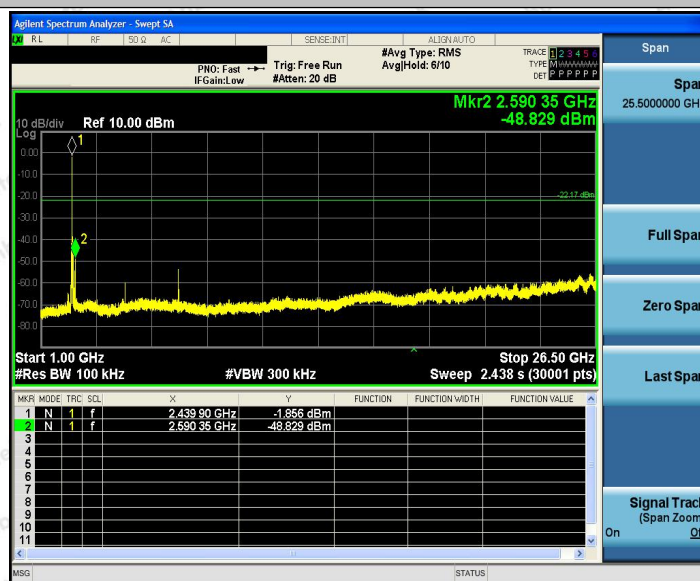
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2.4_Ant1_2440_1000~26500



2.4_Ant1_2474_0~Reference



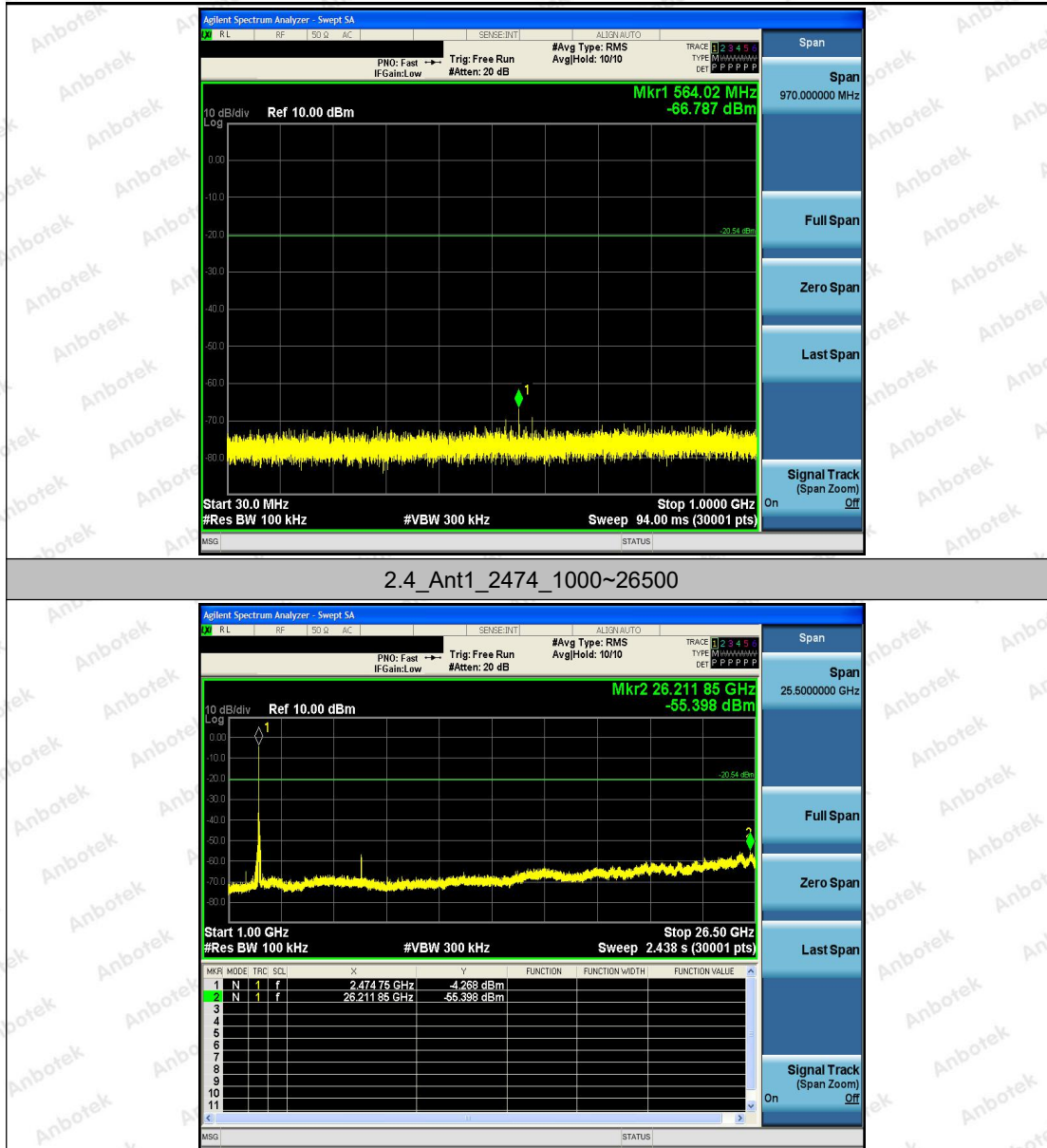
2.4_Ant1_2474_30~1000

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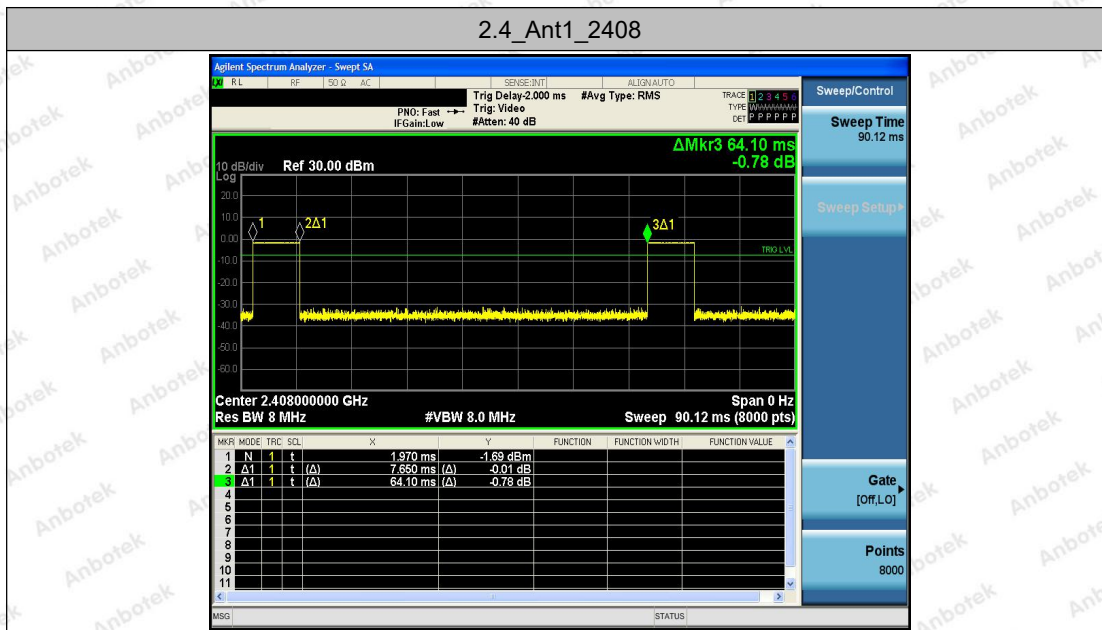
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2408	7.65	64.10	0.119 3	11.93	9.23	---	PASS

Test Graphs



---End---