

Appendix Test Data

Report No.:	18220WC10282701	Test Sample No.:	1-2-2
Start Test Date:	2022.1.6	Finish Test Date:	2022.2.21
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	2403.965	0.234	2403.827	2404.061	---	PASS
		2438.45	0.210	2438.315	2438.525	---	PASS
		2472.935	0.138	2472.866	2473.004	---	PASS

Test Graphs

2.4_Ant1_2403.965



2.4_Ant1_2438.45



2.4_Ant1_2472.935



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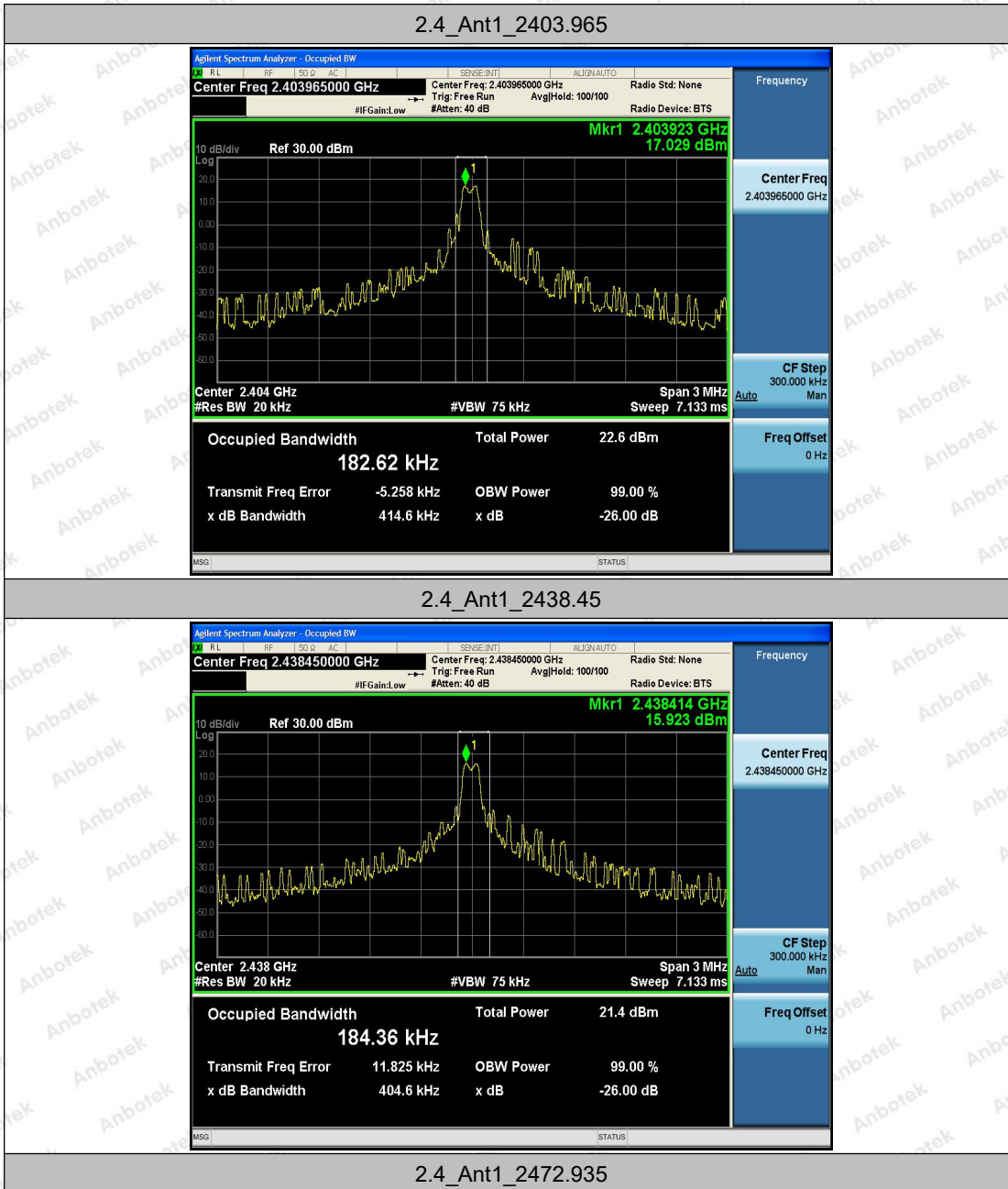
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2403.96 5	0.18262	2403.86 8	2404.051	---	PASS
		2438.45	0.18436	2438.37 0	2438.554	---	PASS
		2472.93 5	0.18548	2472.86 9	2473.054	---	PASS

Test Graphs

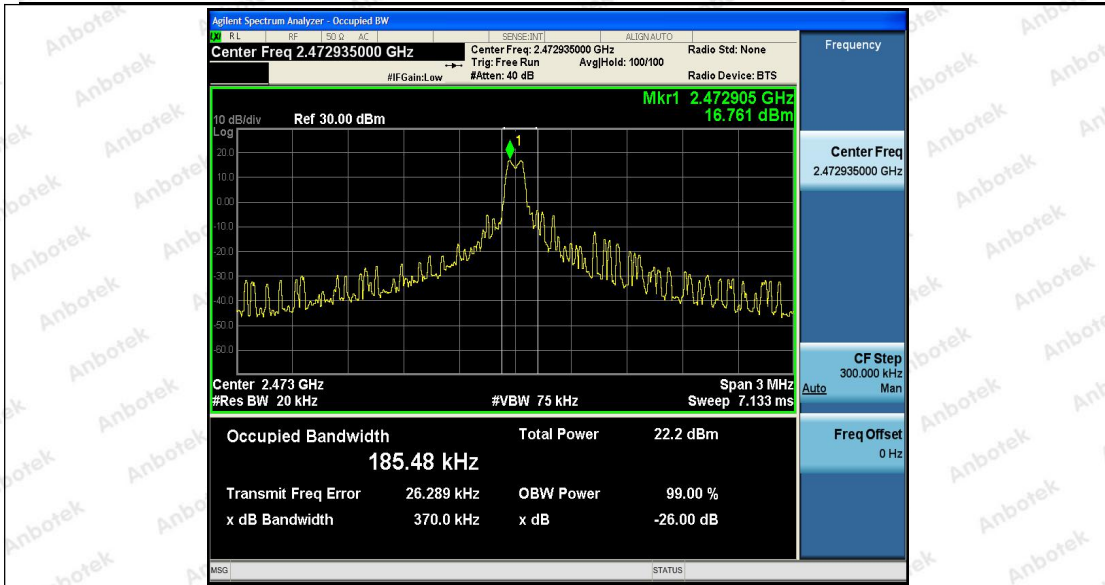


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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2403.965	17.06	≤21	PASS
		2438.45	15.84	≤21	PASS
		2472.935	16.7	≤21	PASS

Test Graphs



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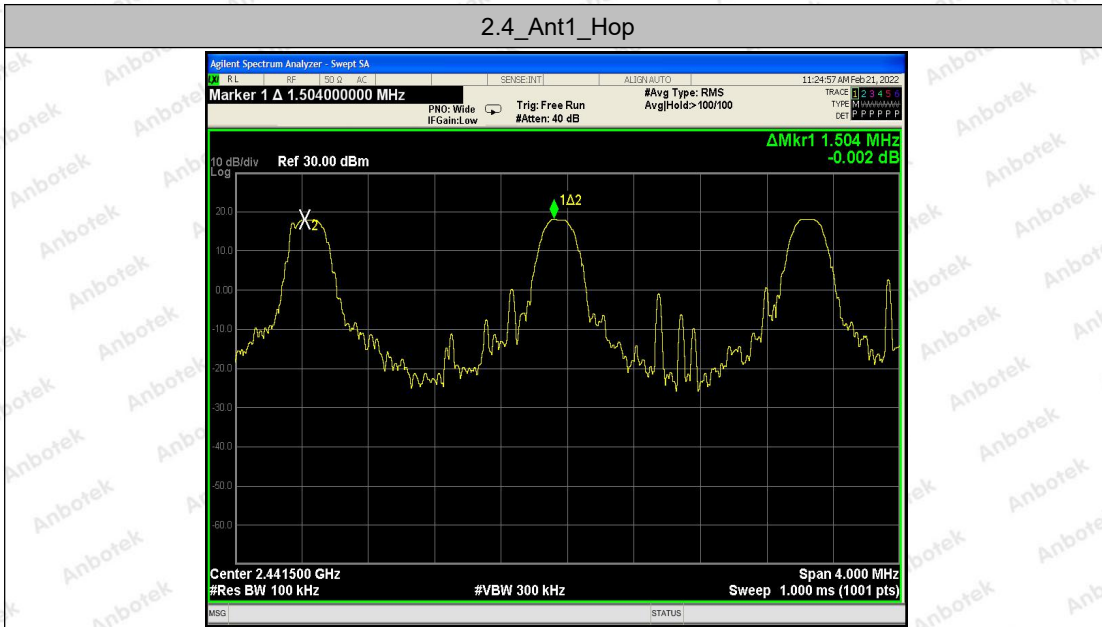
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	1.504	≥0.234	PASS

Test Graphs



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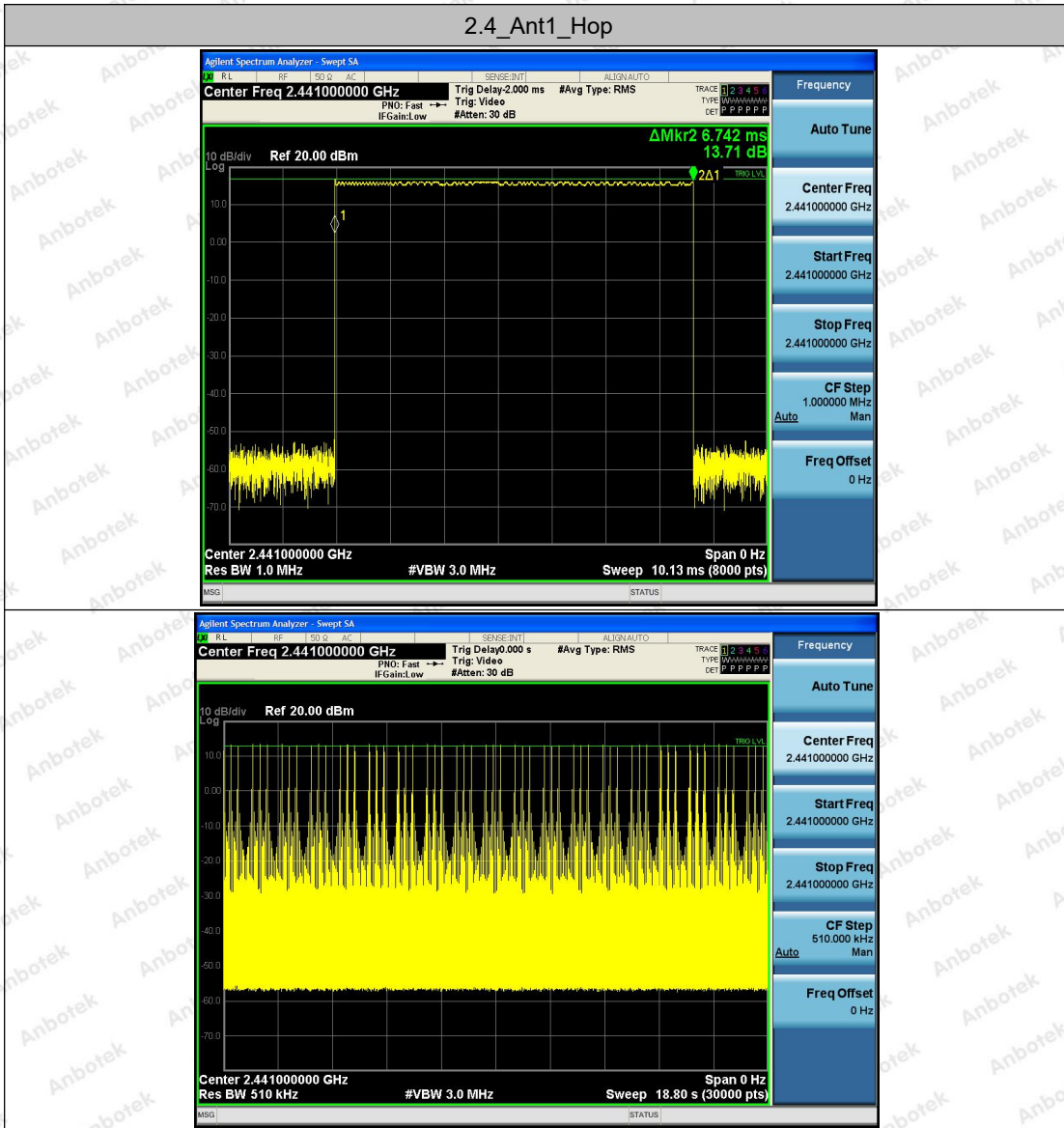
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	6.74	57	0.384	≤0.4	PASS

Test Graphs

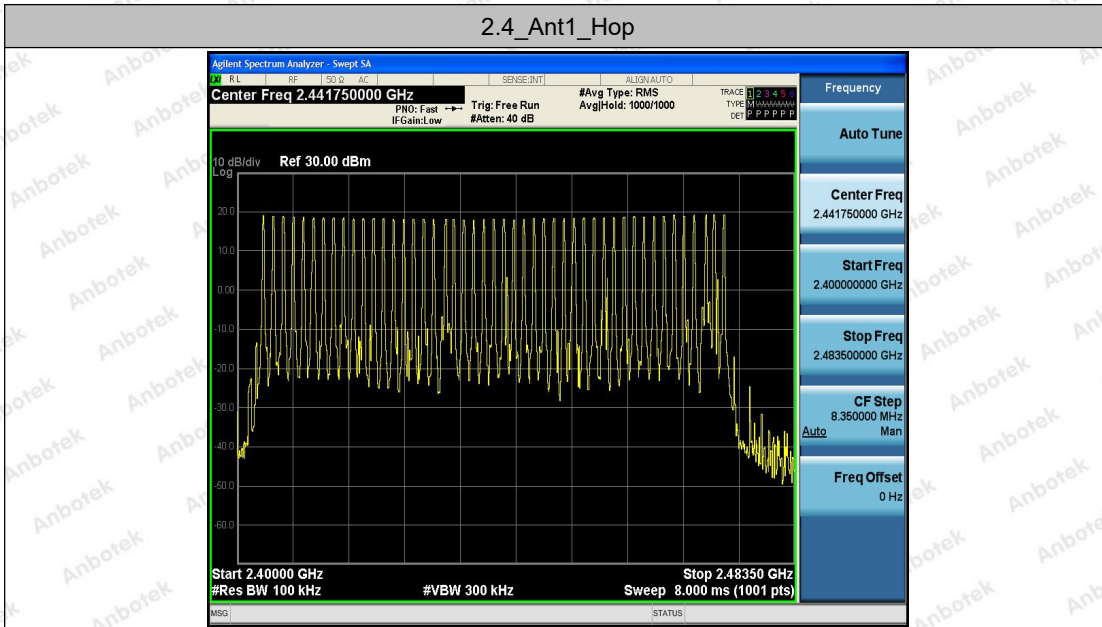


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4	Ant1	Hop	47	≥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	2403.965	17.22	-27.37	≤-2.78	PASS
		High	2472.935	17.09	-35.17	≤-2.91	PASS
		Low	Hop	18.77	-39.63	≤-1.23	PASS
		High	Hop	19.14	-50.05	≤-0.86	PASS

Test Graphs

2.4_Ant1_Low_2403.965



2.4_Ant1_High_2472.935



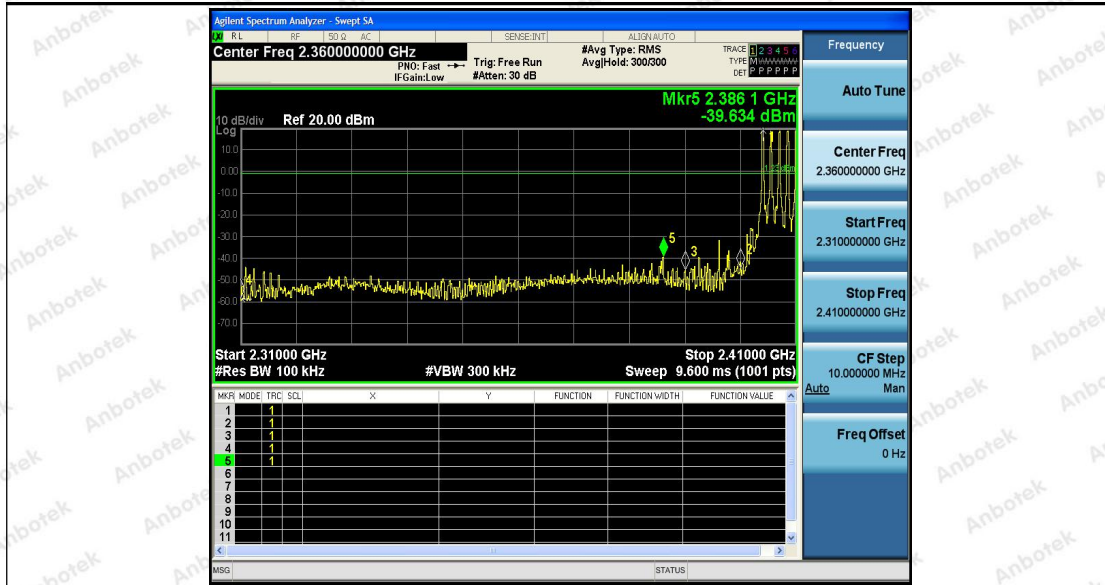
2.4_Ant1_Low_Hop

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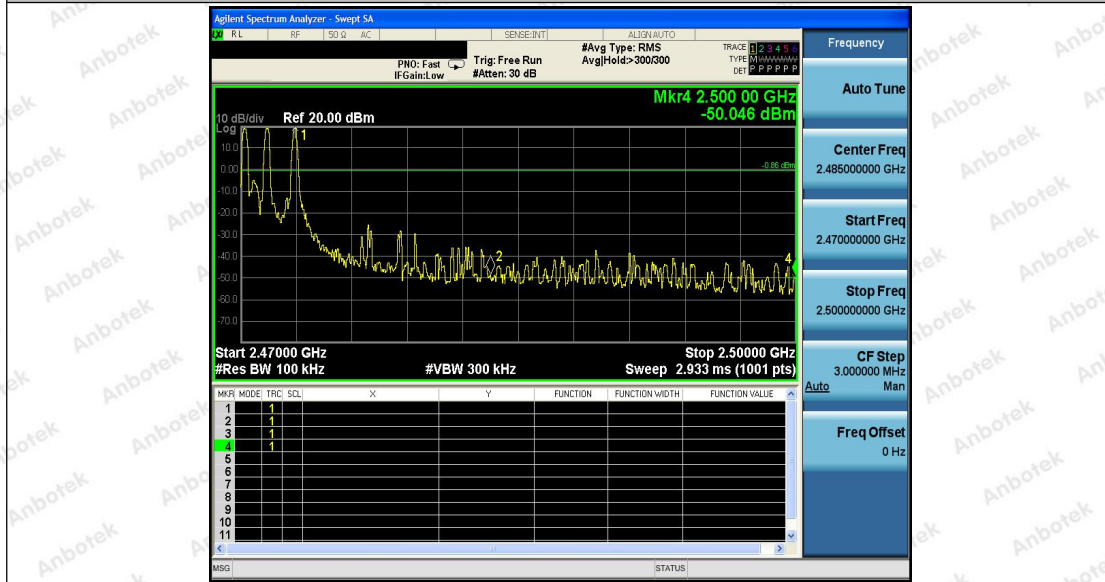
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2.4_Ant1_High_Hop

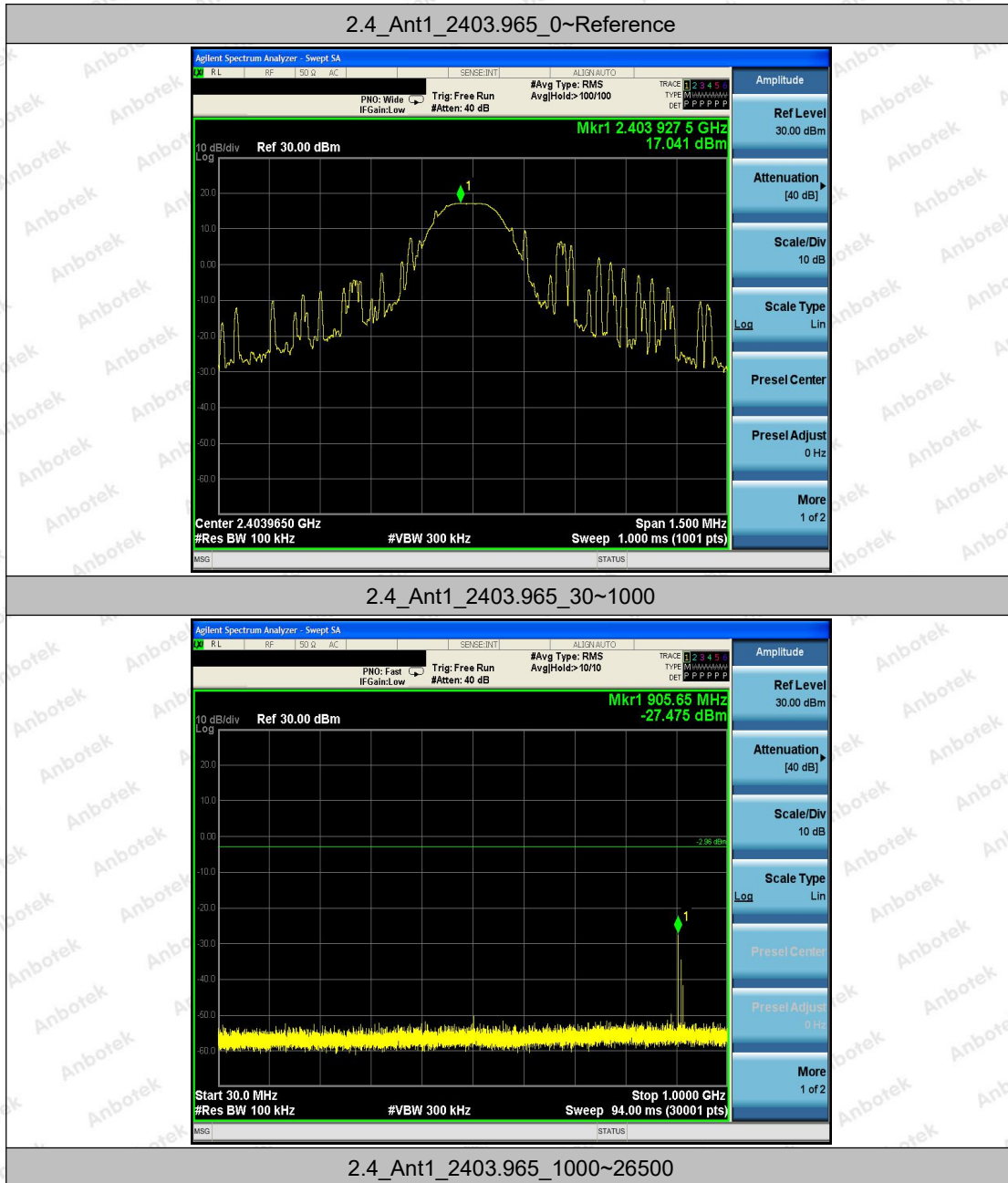


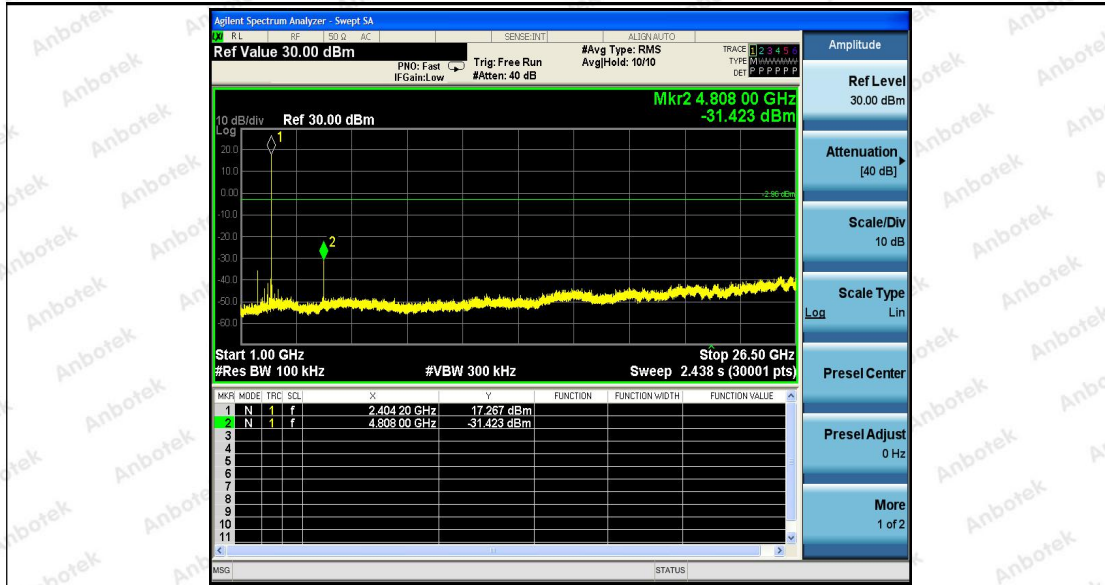
Appendix H: Conducted Spurious Emission

Test Result

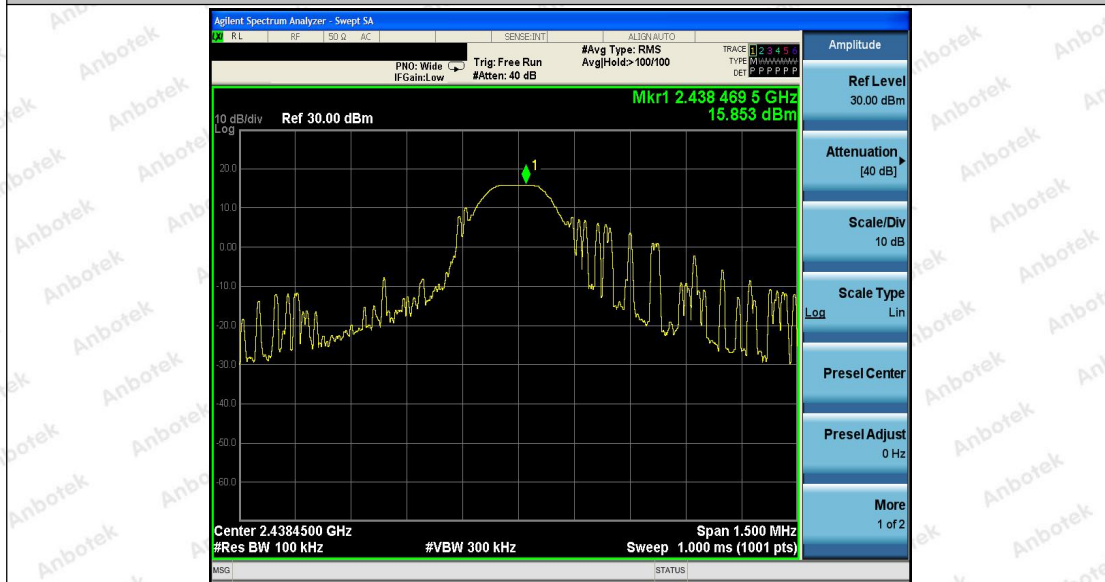
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2403.96 5	Reference	17.04	17.04	---	PASS
			30~1000	17.04	-27.48	≤-2.96	PASS
			1000~26500	17.04	-31.42	≤-2.96	PASS
		2438.45	Reference	15.85	15.85	---	PASS
			30~1000	15.85	-46.72	≤-4.15	PASS
			1000~26500	15.85	-26.24	≤-4.15	PASS
		2472.93 5	Reference	16.69	16.69	---	PASS
			30~1000	16.69	-27.82	≤-3.32	PASS
			1000~26500	16.69	-28.34	≤-3.32	PASS

Test Graphs

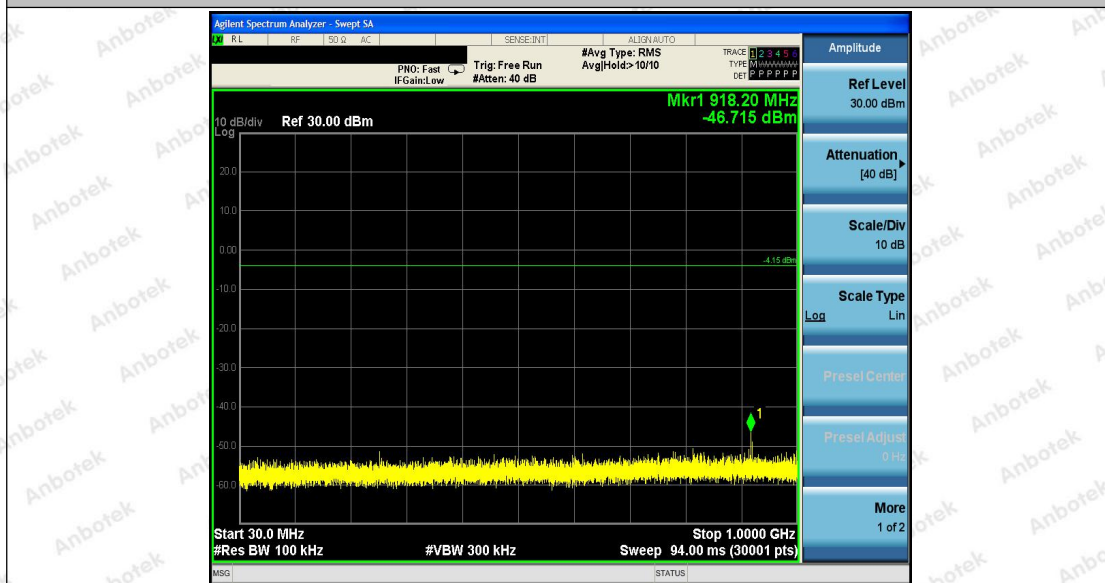




2.4_Ant1_2438.45_0~Reference



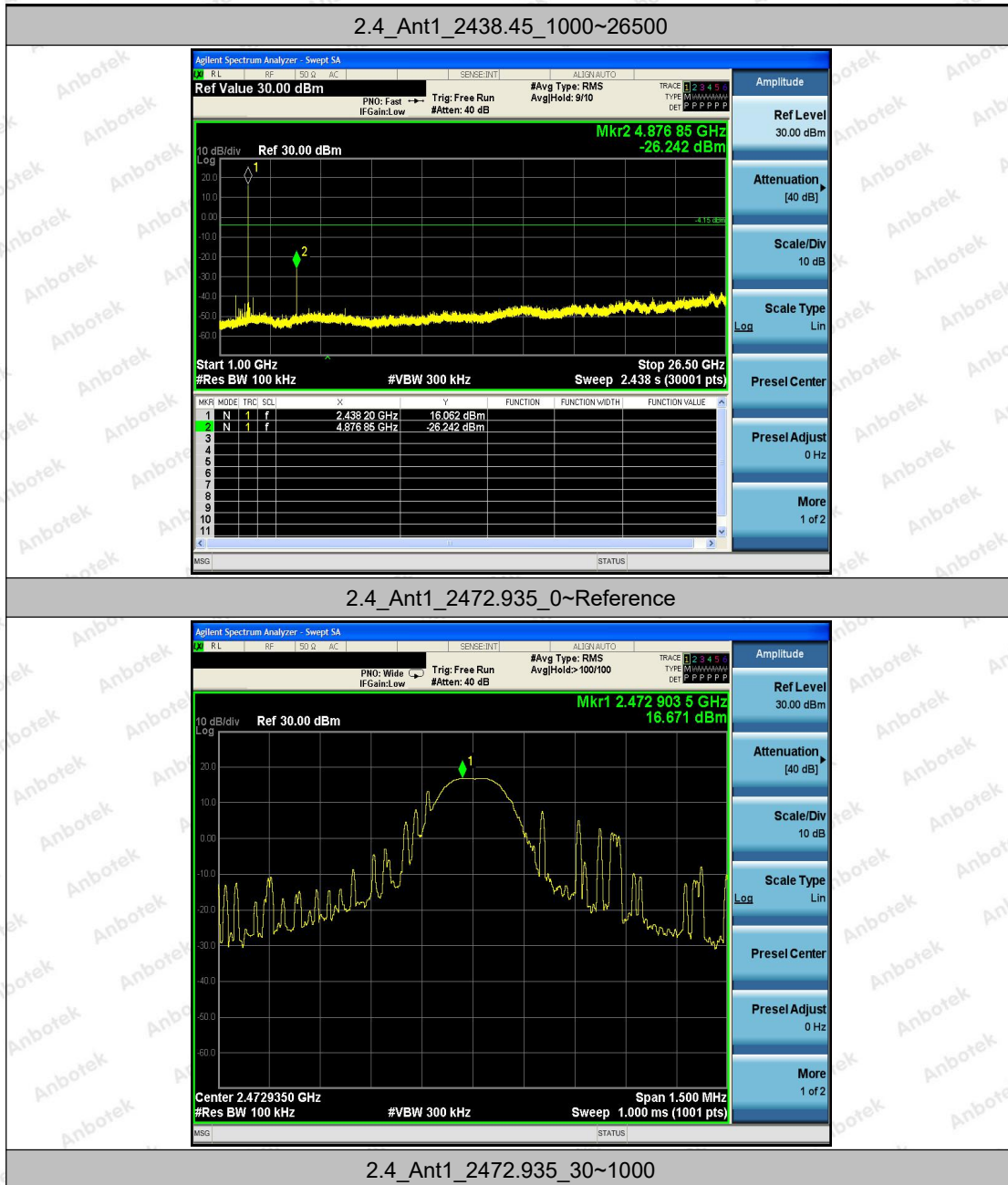
2.4_Ant1_2438.45_30~1000



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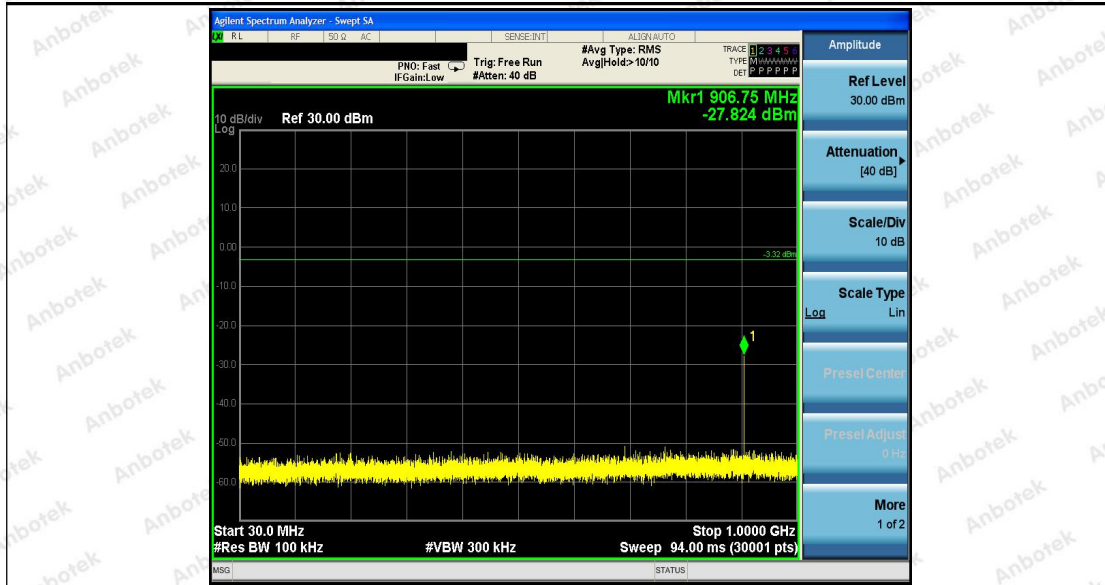


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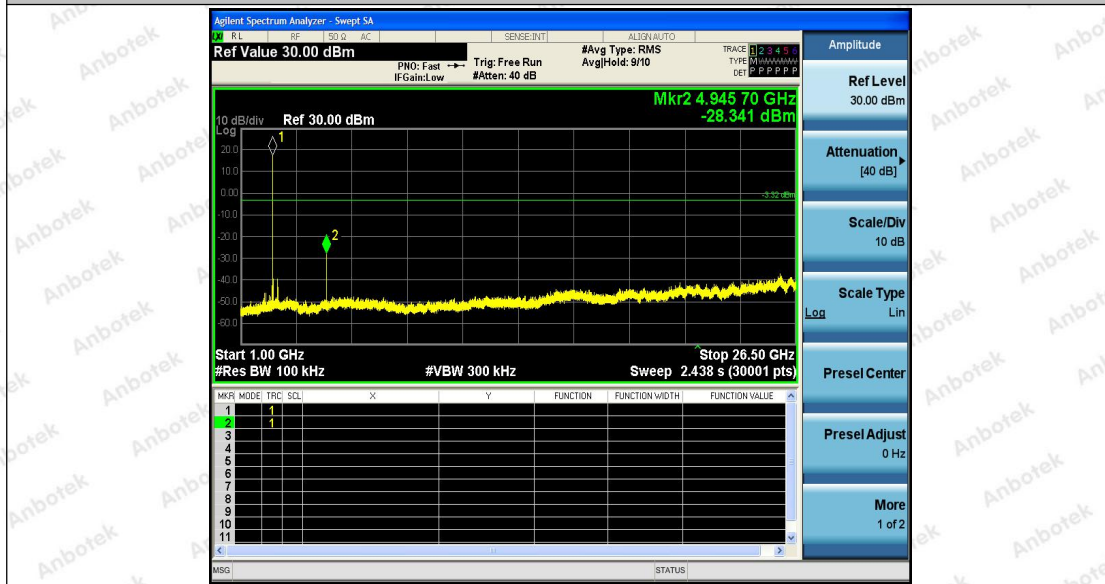
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2.4_Ant1_2472.935_1000~26500



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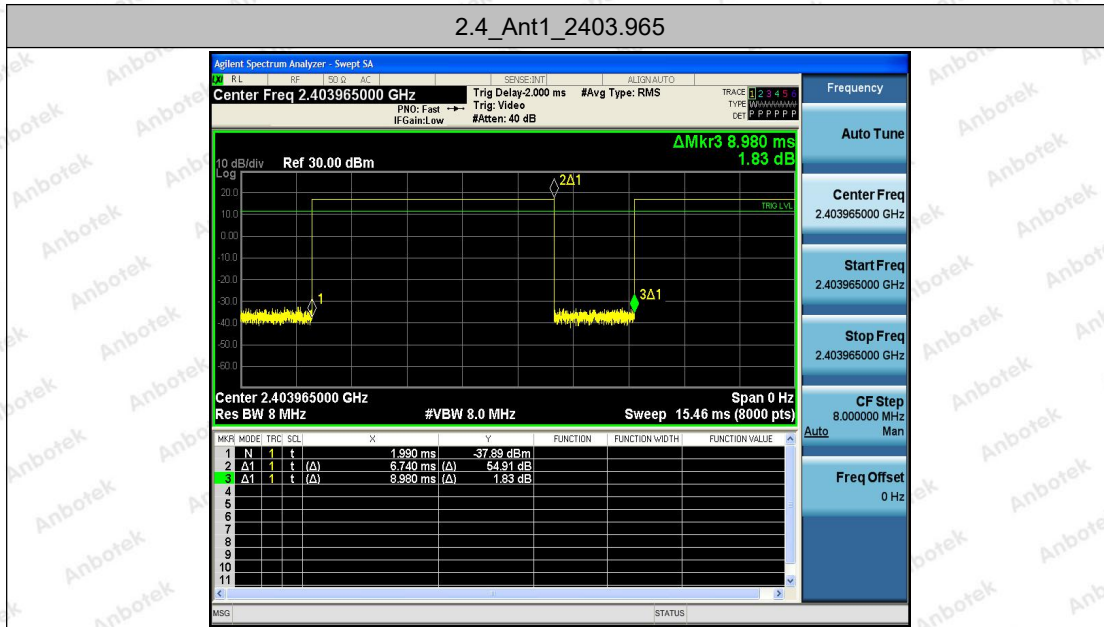
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2403.96 5	6.74	8.98	0.750 6	75.06	1.25	---	PASS

Test Graphs



---End---