

Appendix Test Data

Report No.:	18220WC20094601	Test Sample No.:	1-2-2
Start Test Date:	2022.5.5	Finish Test Date:	2022.5.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.760	2401.545	2403.305	---	PASS
		2441	1.785	2440.200	2441.985	---	PASS
		2480	2.155	2479.015	2481.170	---	PASS

Test Graphs

2.4_Ant1_2402



2.4_Ant1_2441



2.4_Ant1_2480



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	2.5228	2400.85 2	2403.375	---	PASS
		2441	3.0226	2439.32 6	2442.348	---	PASS
		2480	2.6445	2478.78 3	2481.428	---	PASS

Test Graphs

2.4_Ant1_2402



2.4_Ant1_2441



2.4_Ant1_2480

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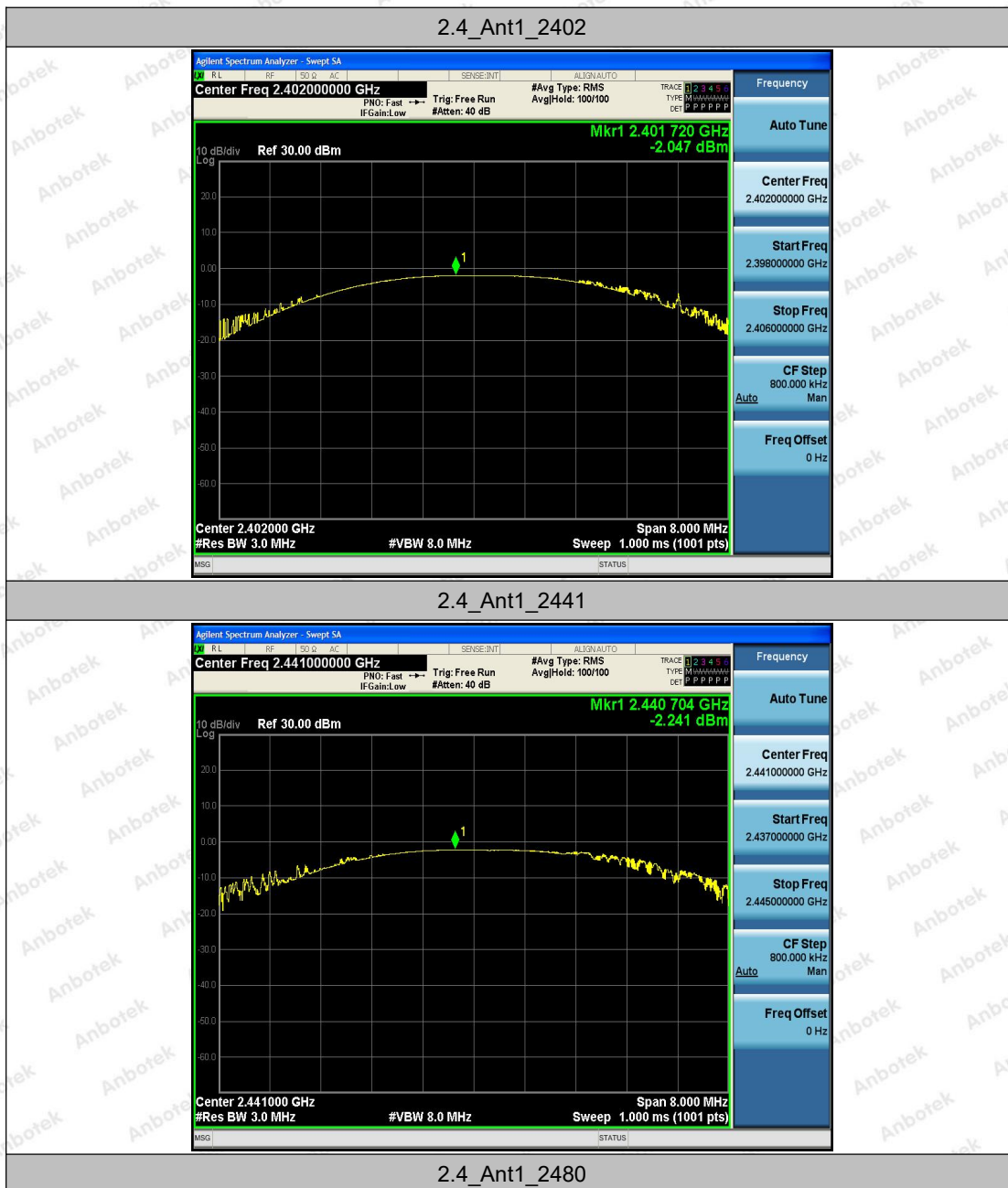
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	-2.05	≤30	PASS
		2441	-2.24	≤30	PASS
		2480	-2.8	≤30	PASS

Test Graphs



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.437	PASS

Test Graphs



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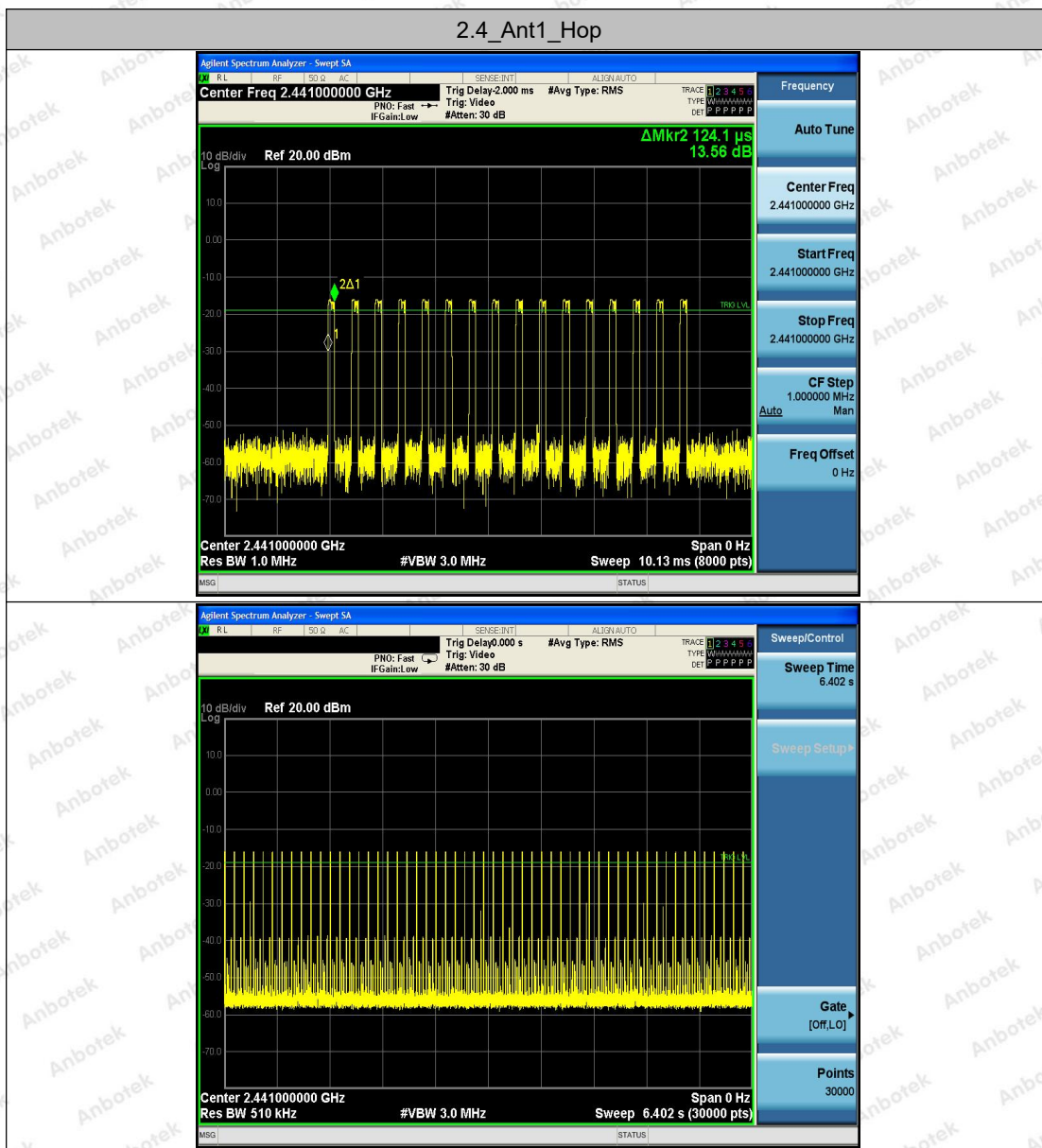
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.12	55	0.007	≤0.4	PASS

Test Graphs



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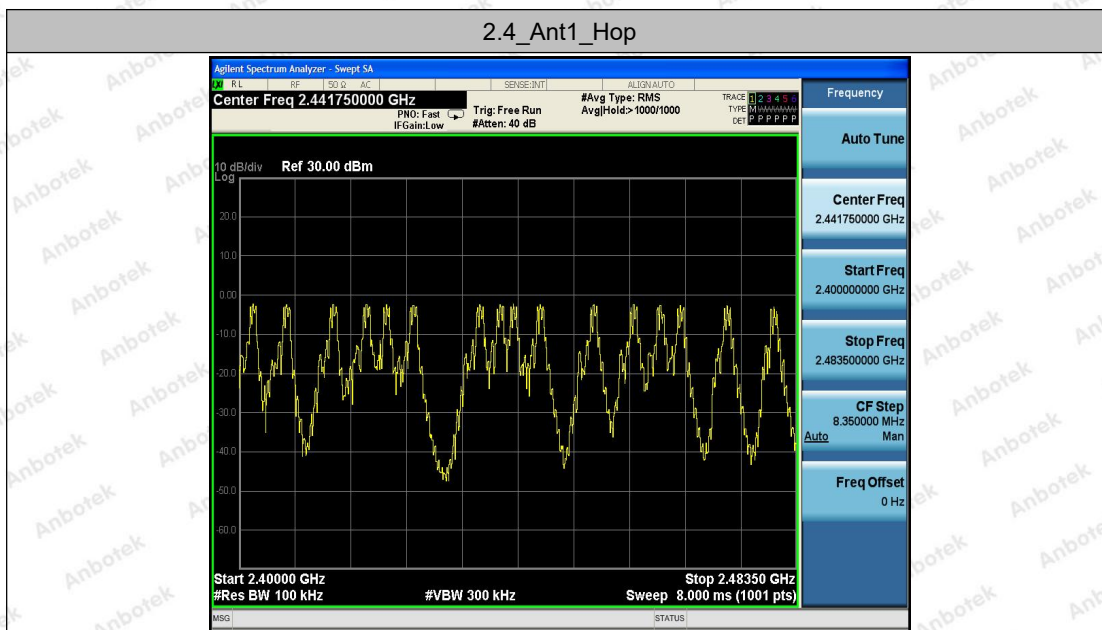
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥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
2.4G	Ant1	Low	2402	-2.08	-34.91	≤-22.08	PASS
		High	2480	-2.95	-34.4	≤-22.95	PASS
		Low	Hop	-2.45	-51.86	≤-22.45	PASS
		High	Hop	-2.91	-57.4	≤-22.91	PASS

Test Graphs

2.4_Ant1_Low_2402



2.4_Ant1_High_2480



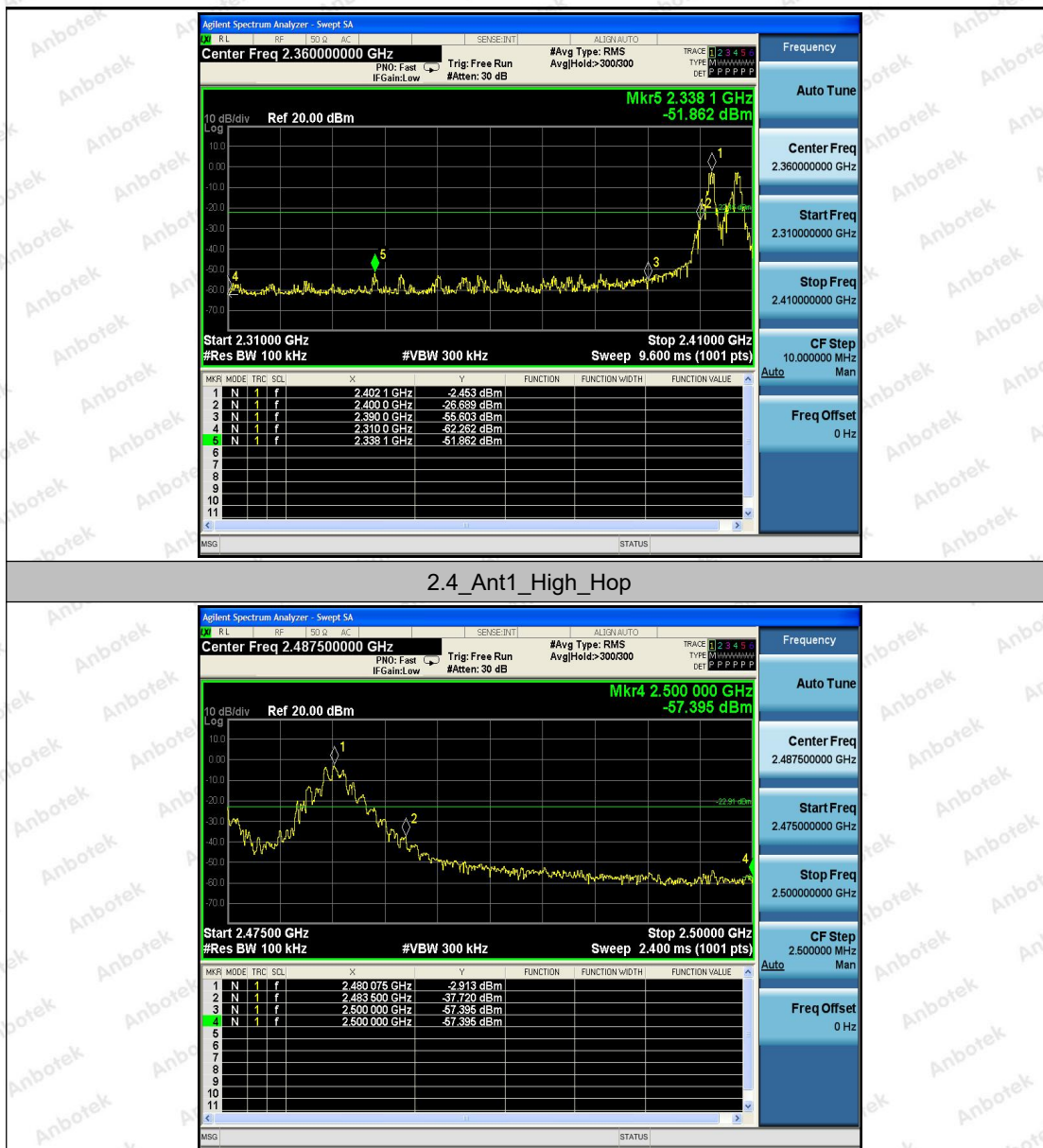
2.4_Ant1_Low_Hop

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Appendix H: Conducted Spurious Emission

Test Result

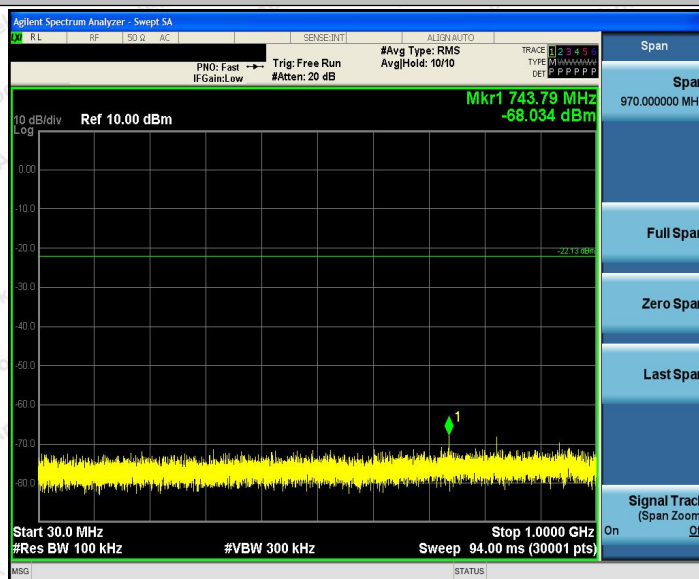
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402	Reference	-2.13	-2.13	---	PASS
			30~1000	-2.13	-68.03	≤-22.13	PASS
			1000~26500	-2.13	-44.06	≤-22.13	PASS
		2441	Reference	-2.33	-2.33	---	PASS
			30~1000	-2.33	-68.92	≤-22.33	PASS
			1000~26500	-2.33	-44.6	≤-22.33	PASS
		2480	Reference	-3.02	-3.02	---	PASS
			30~1000	-3.02	-70.75	≤-23.02	PASS
			1000~26500	-3.02	-45.87	≤-23.02	PASS

Test Graphs

2.4_Ant1_2402_0~Reference



2.4_Ant1_2402_30~1000



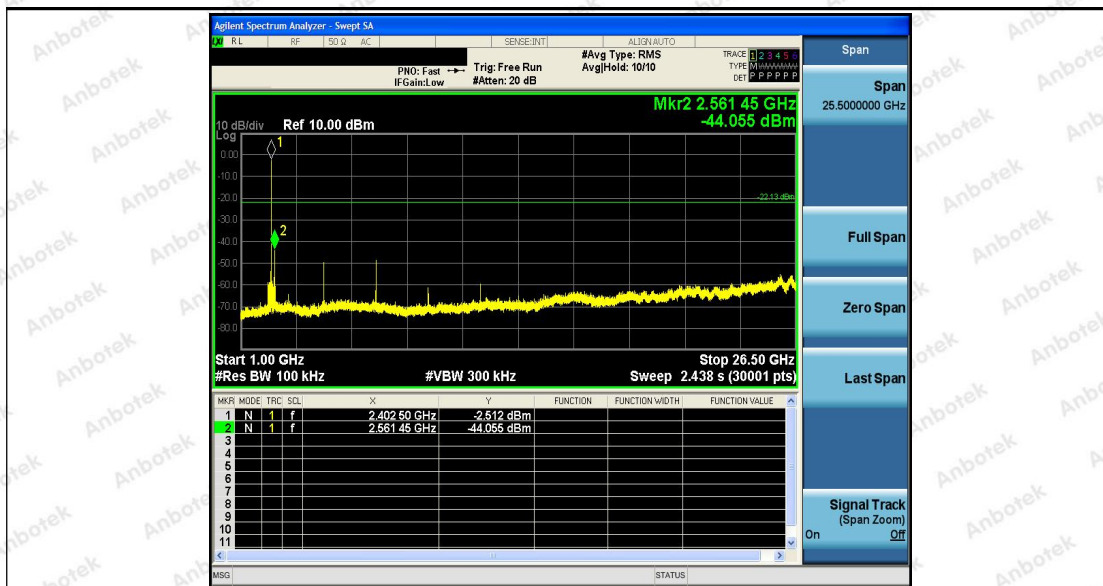
2.4_Ant1_2402_1000~26500

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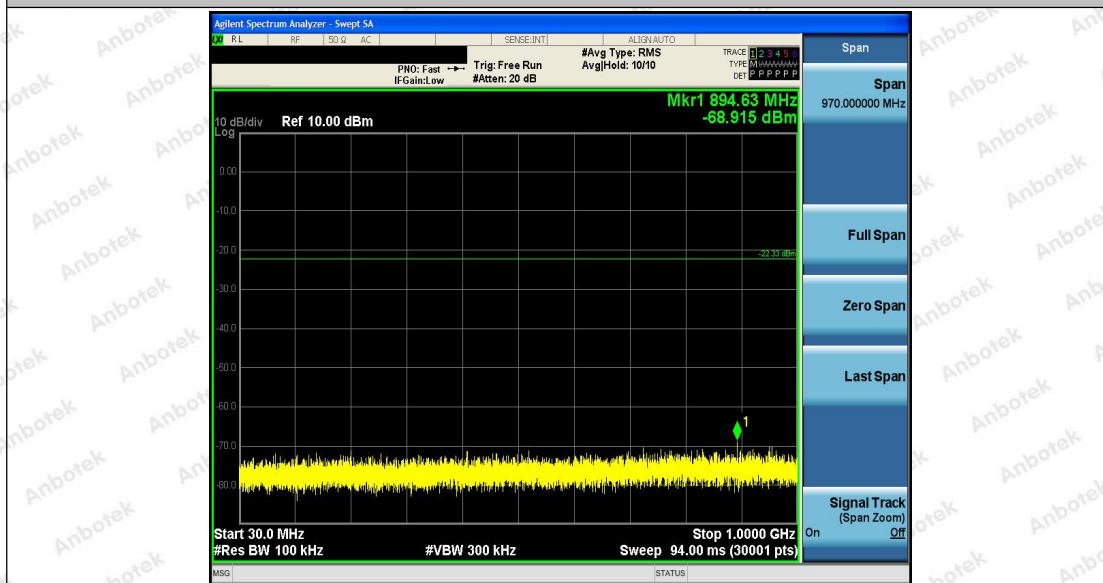
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2.4_Ant1_2441_0~Reference



2.4_Ant1_2441_30~1000

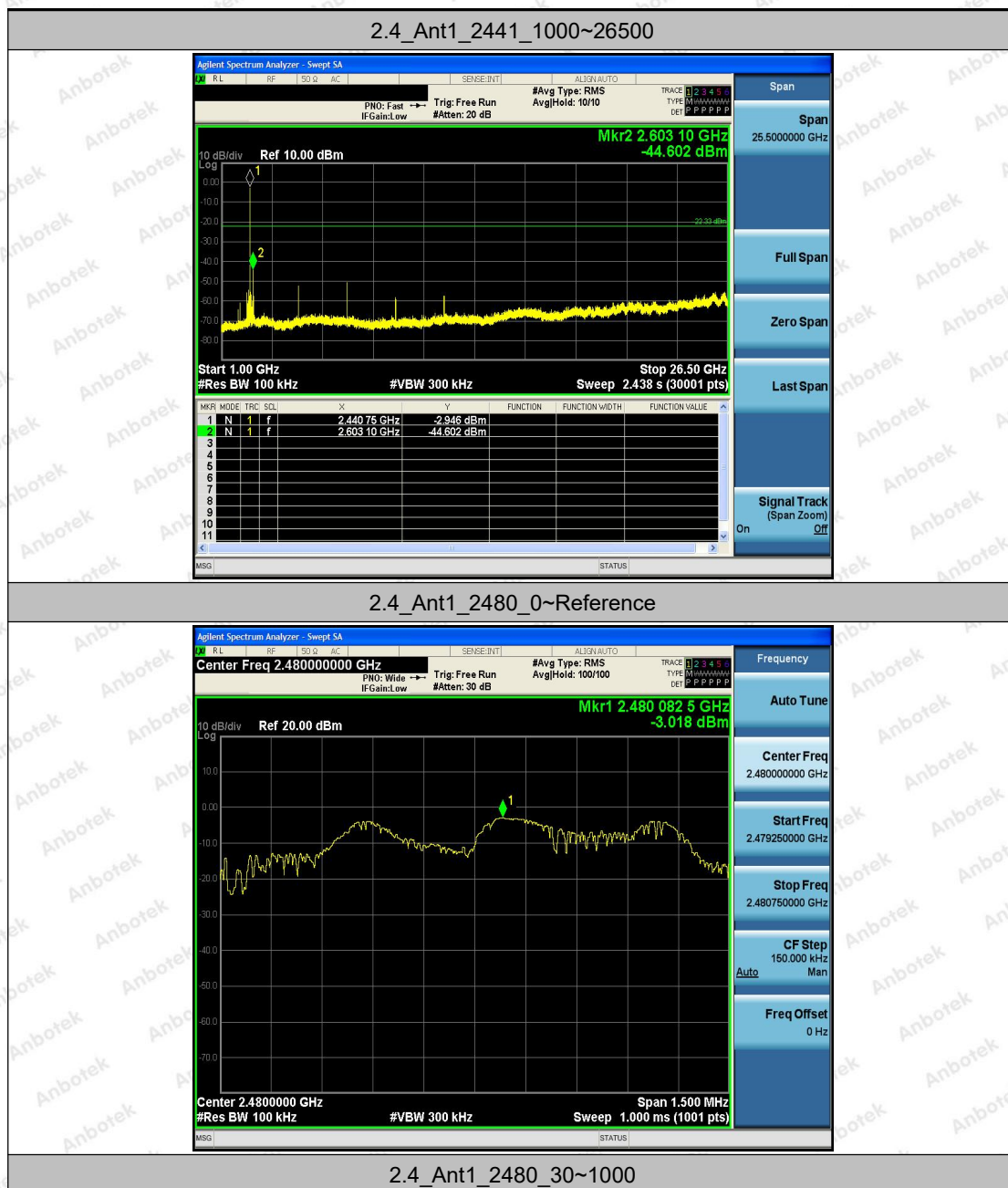


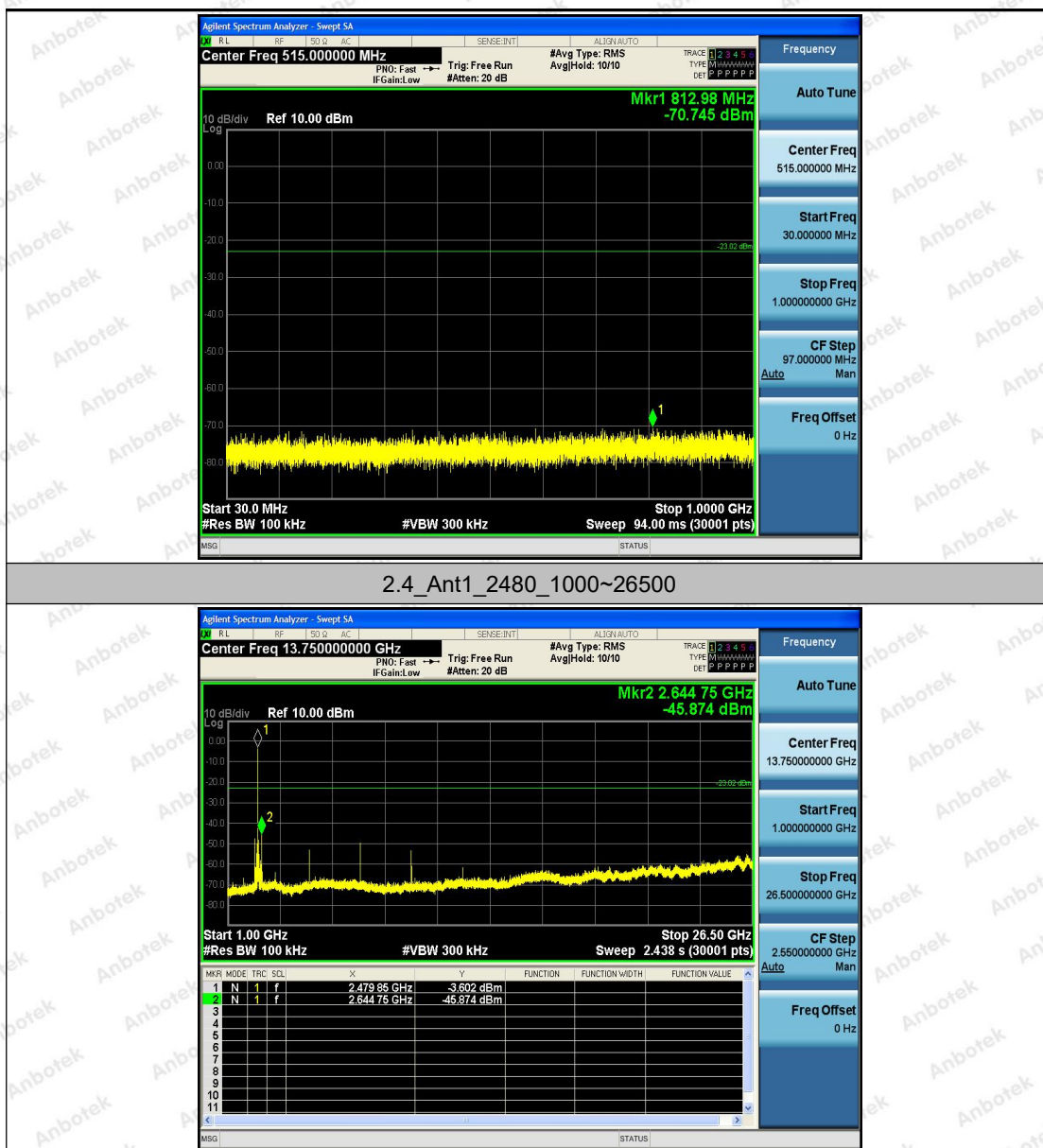
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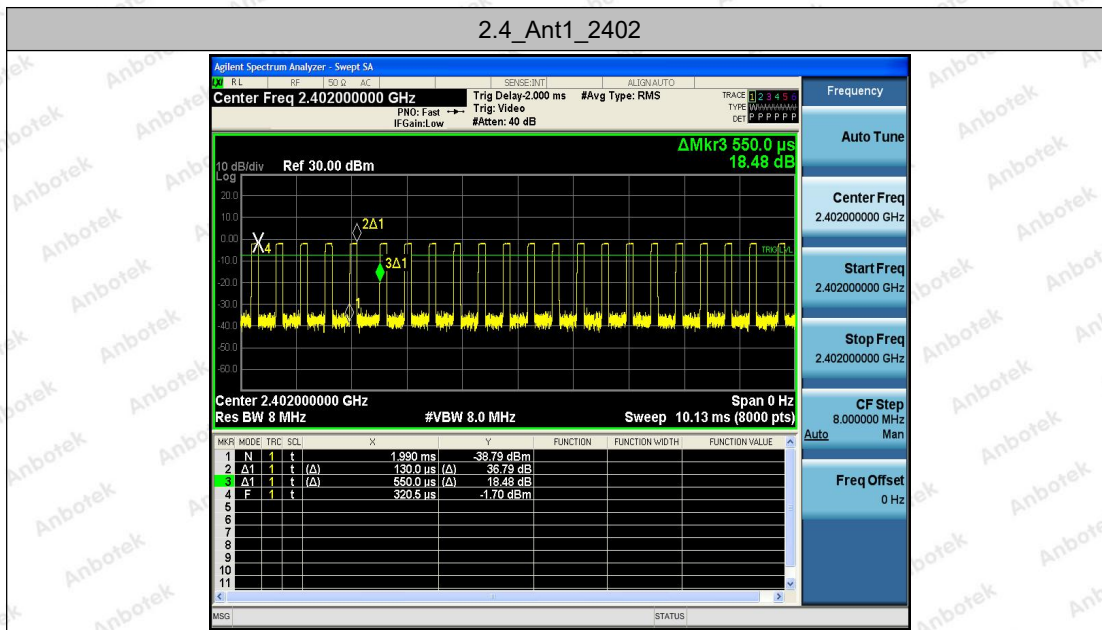
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4G	Ant1	2402	0.13	0.55	0.236 4	23.64	6.26	---	PASS

Test Graphs



---End---