

Appendix Test Data

Report No.:	18220WC20009801	Test Sample No.:	1-2-2
Start Test Date:	2022.1.18	Finish Test Date:	2022.1.24
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	2.275	2401.895	2404.170	---	PASS
		2441	2.270	2439.895	2442.165	---	PASS
		2480	2.195	2478.960	2481.155	---	PASS

Test Graphs

2.4_Ant1_2403



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
2.4	Ant1	2403	2.2534	2401.84 7	2404.101	---	PASS
		2441	2.2309	2439.86 2	2442.097	---	PASS
		2480	2.2067	2478.88 1	2481.089	---	PASS

Test Graphs



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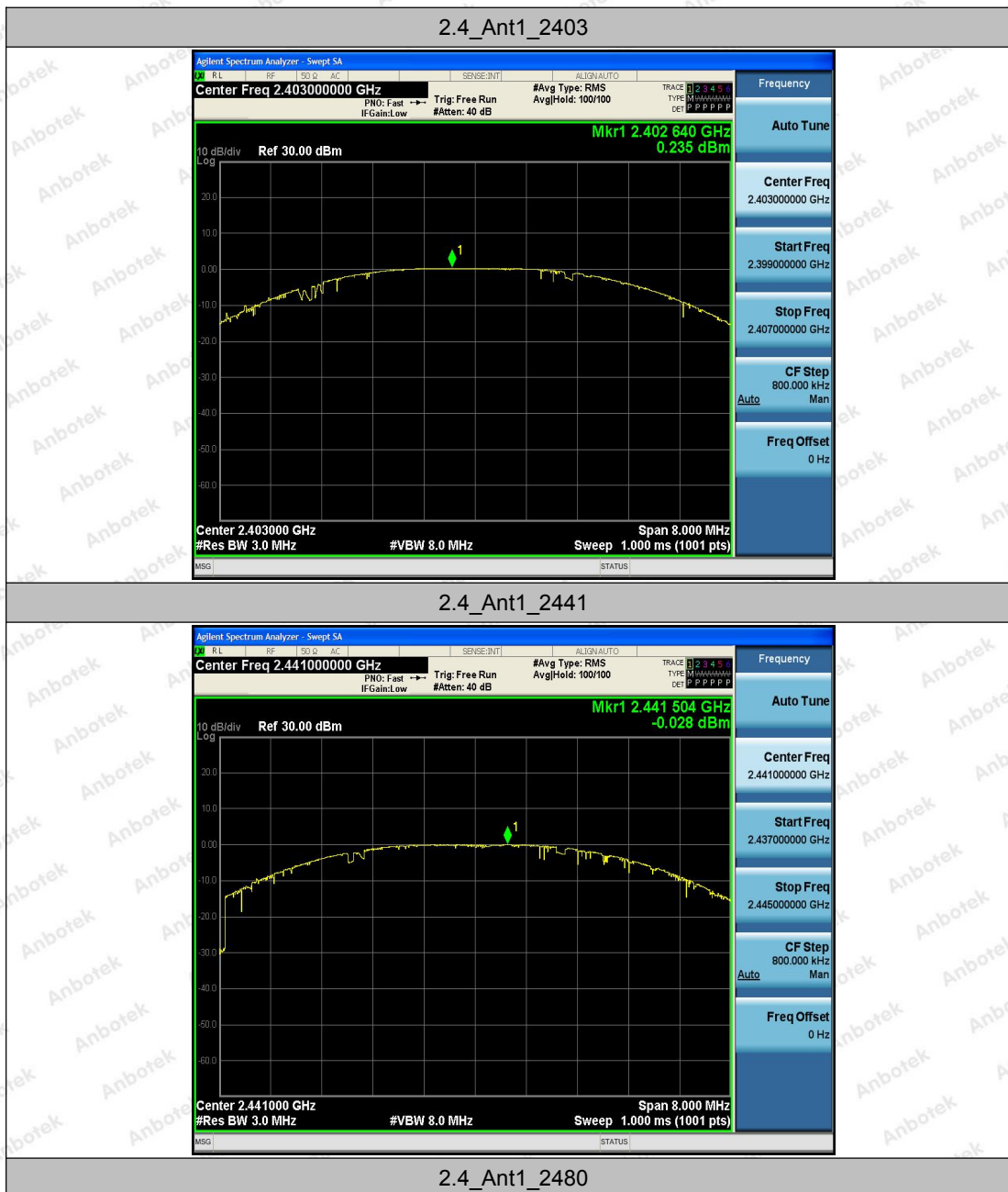
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2403	0.235	≤30	PASS
		2441	-0.028	≤30	PASS
		2480	0.620	≤30	PASS

Test Graphs



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	1.98	≥ 1.513	PASS

Test Graphs



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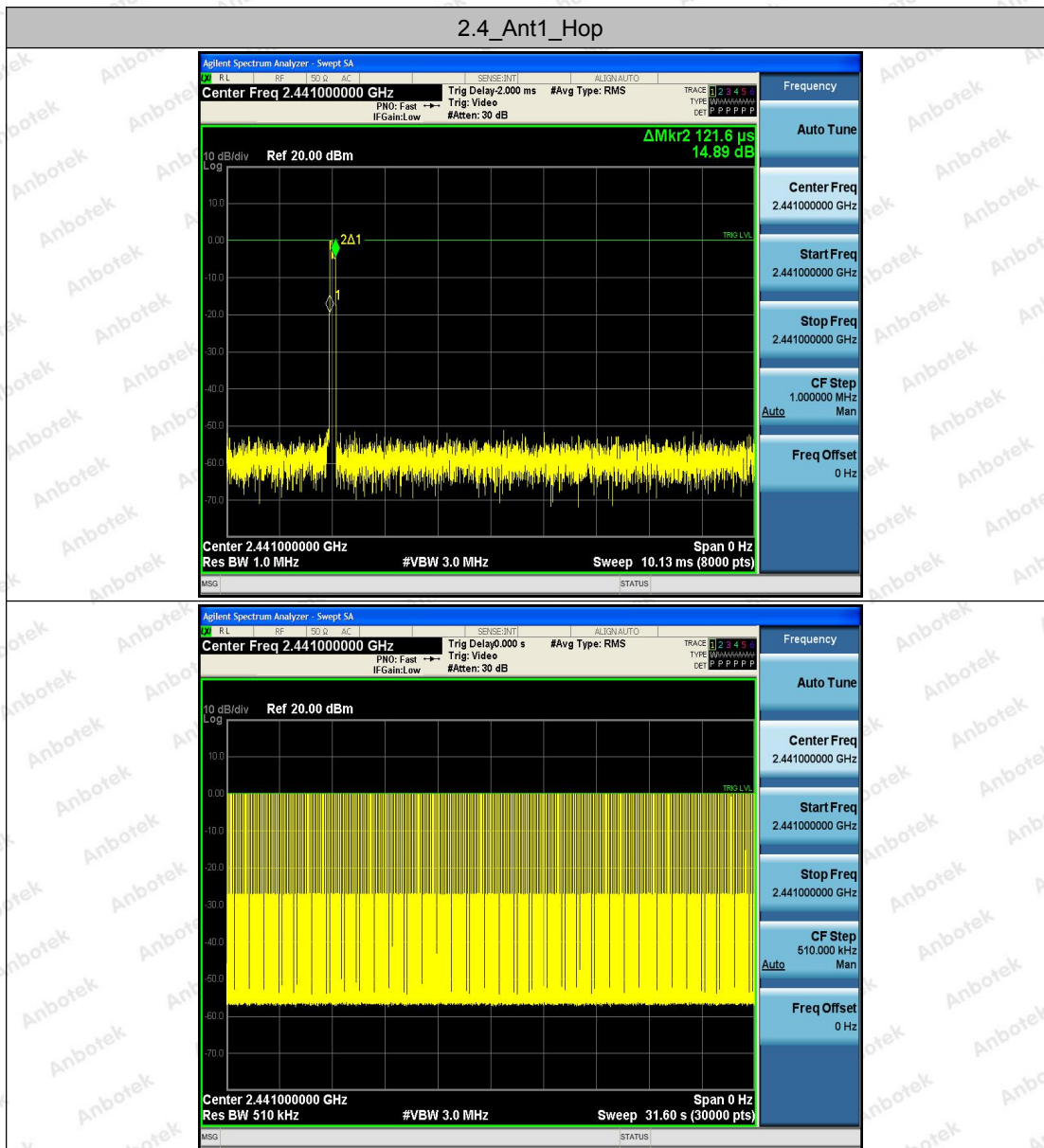
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	0.12	498	0.05967	≤0.4	PASS

Test Graphs



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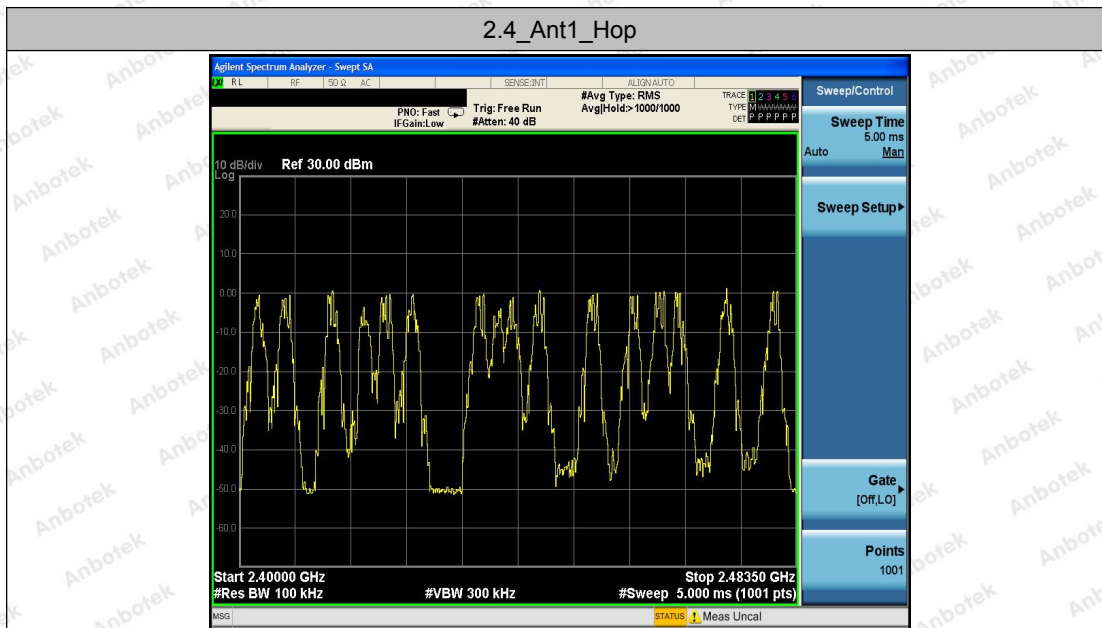
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4	Ant1	Hop	16	≥15	PASS

Test Graphs



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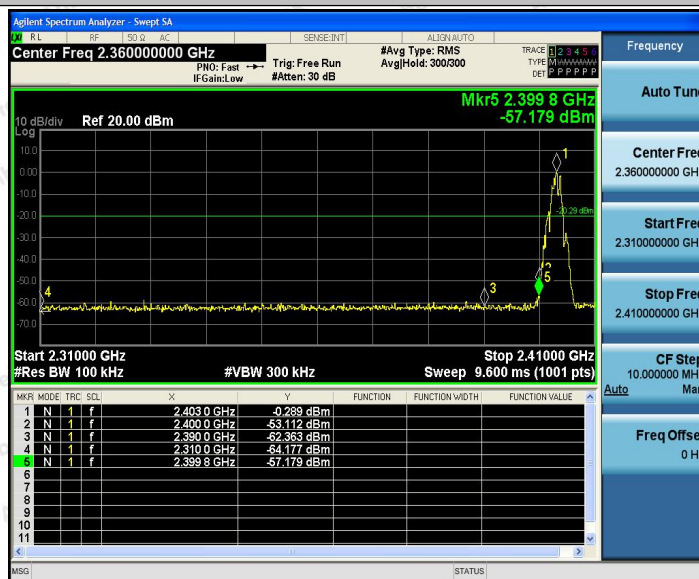
Appendix G: Band edge measurements

Test Result

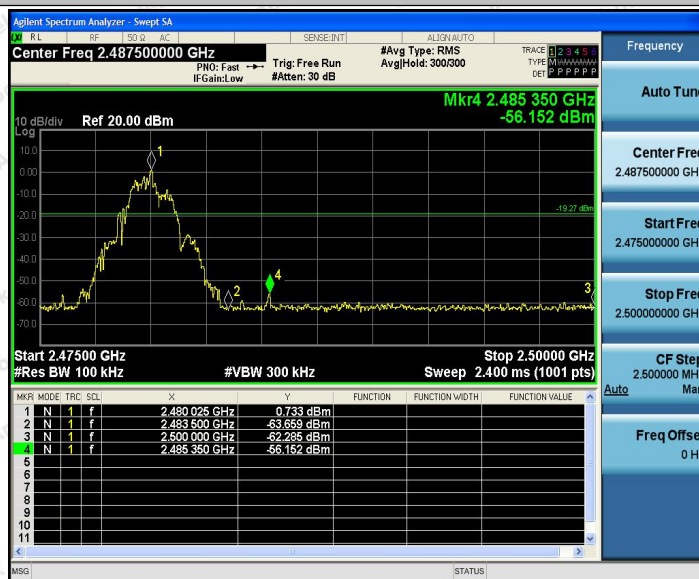
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2403	-0.29	-57.18	≤-20.29	PASS
		High	2480	0.73	-56.15	≤-19.27	PASS
		Low	Hop	-1.01	-58.99	≤-21.01	PASS
		High	Hop	0.03	-60.55	≤-19.97	PASS

Test Graphs

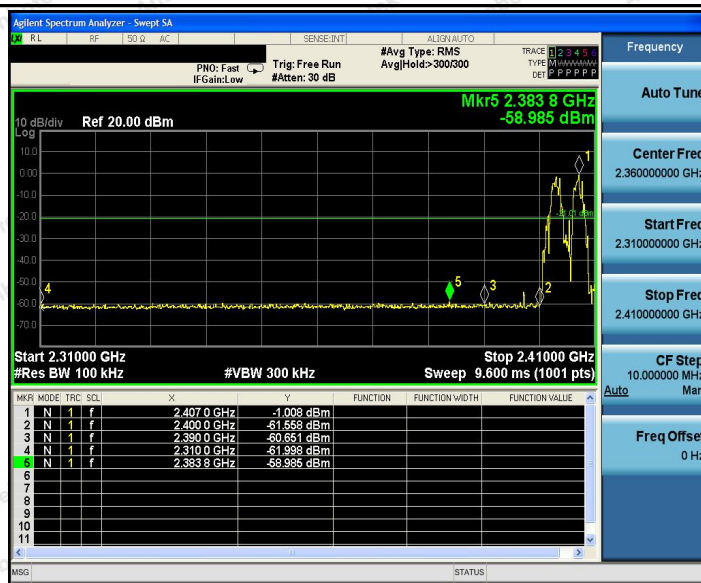
2.4_Ant1_Low_2403



2.4_Ant1_High_2480



2.4_Ant1_Low_Hop



Appendix H: Conducted Spurious Emission

Test Result

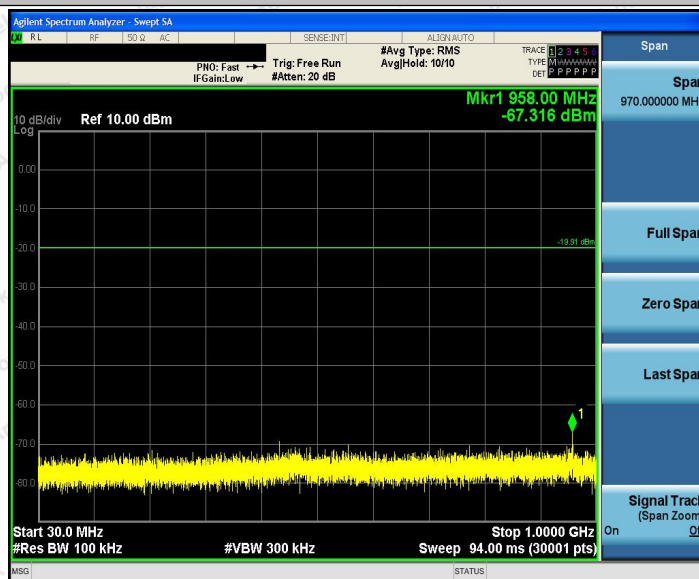
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2403	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-67.32	≤-19.91	PASS
			1000~26500	0.09	-56.02	≤-19.91	PASS
		2441	Reference	-0.20	-0.20	---	PASS
			30~1000	-0.20	-69.67	≤-20.2	PASS
			1000~26500	-0.20	-55.91	≤-20.2	PASS
		2480	Reference	0.47	0.47	---	PASS
			30~1000	0.47	-69.11	≤-19.53	PASS
			1000~26500	0.47	-54.97	≤-19.53	PASS

Test Graphs

2.4_Ant1_2403_0~Reference



2.4_Ant1_2403_30~1000



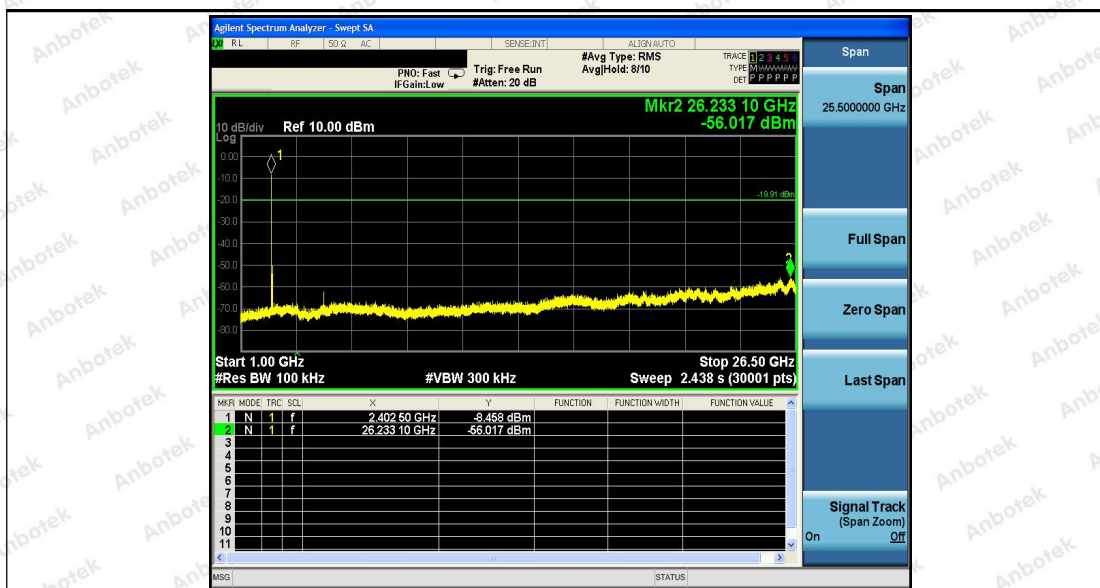
2.4_Ant1_2403_1000~26500

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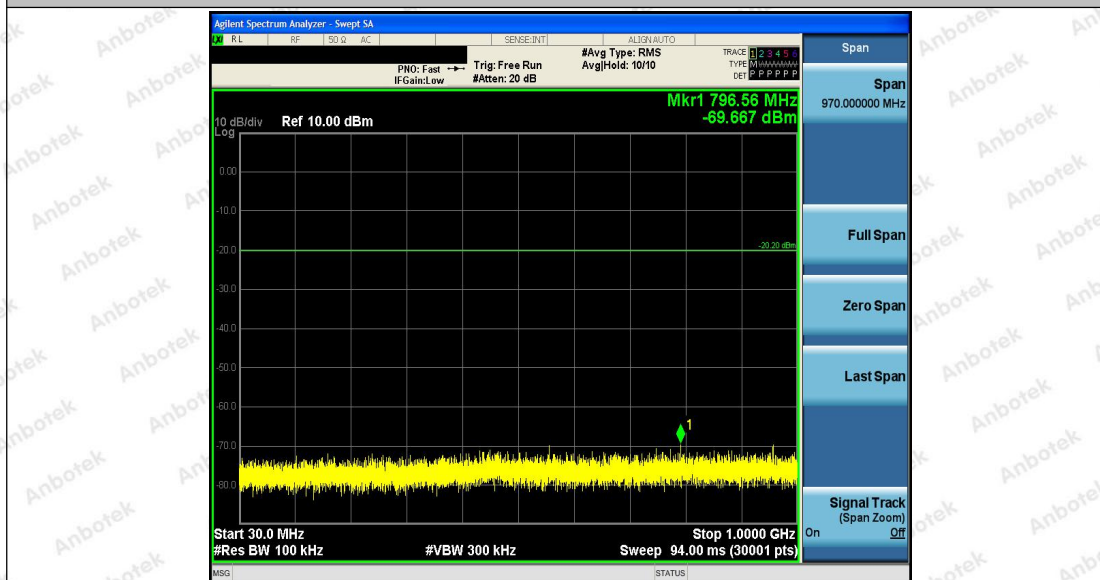
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2.4_Ant1_2441_0~Reference



2.4_Ant1_2441_30~1000



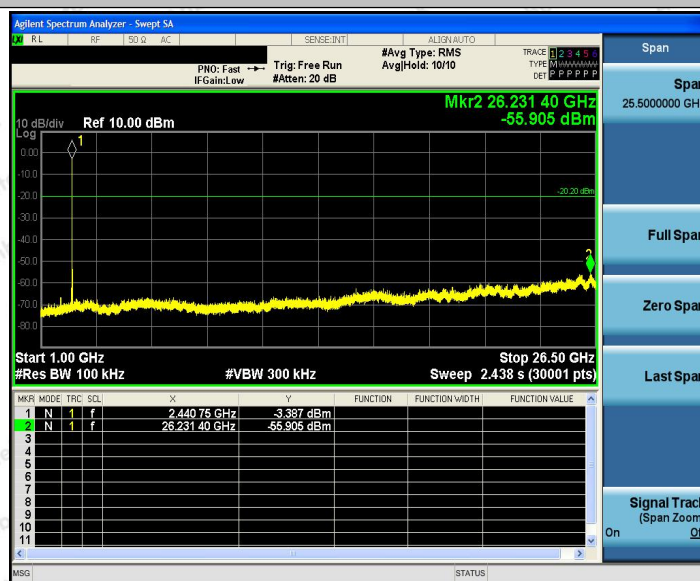
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2.4_Ant1_2441_1000~26500



2.4_Ant1_2480_0~Reference



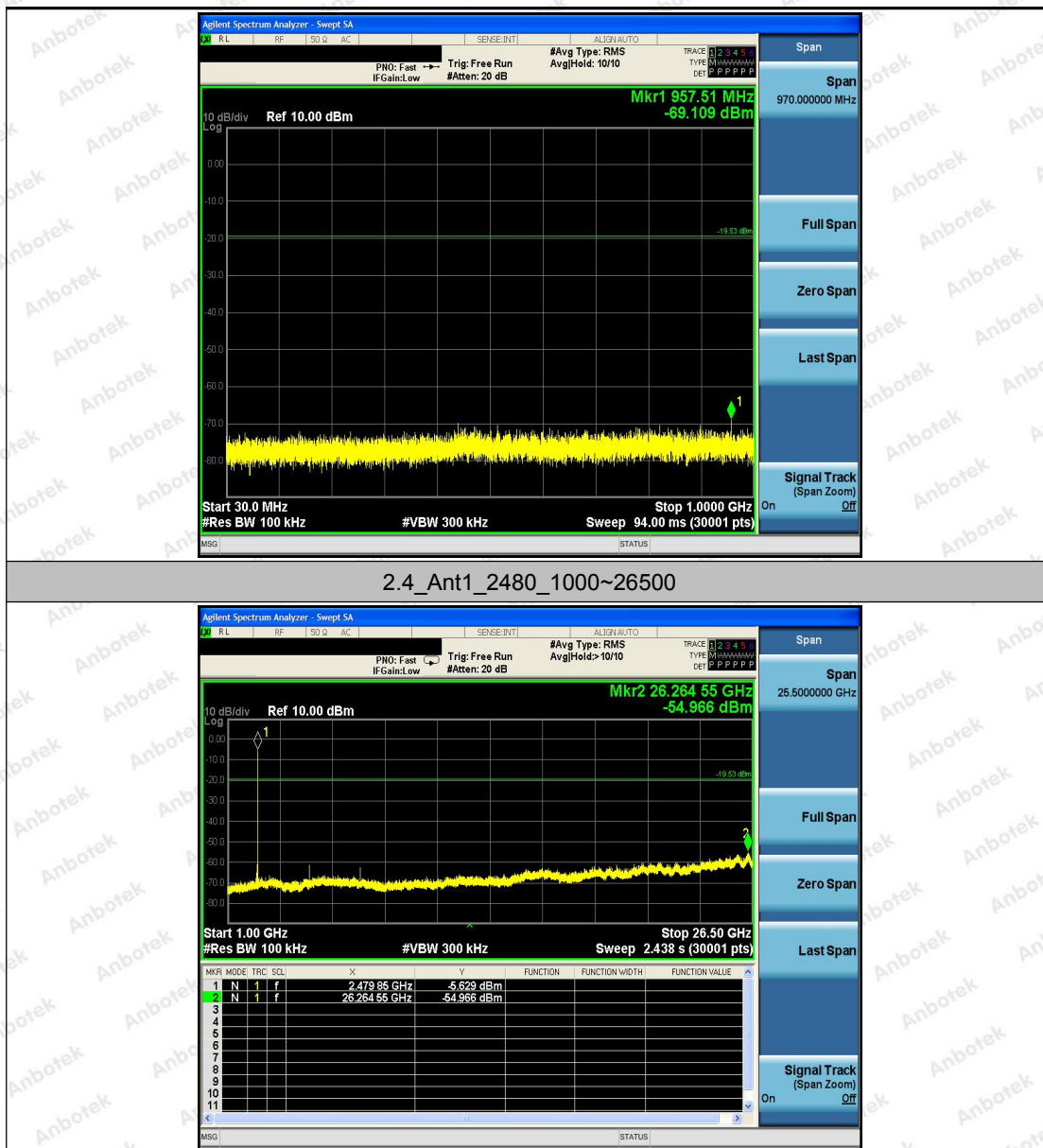
2.4_Ant1_2480_30~1000

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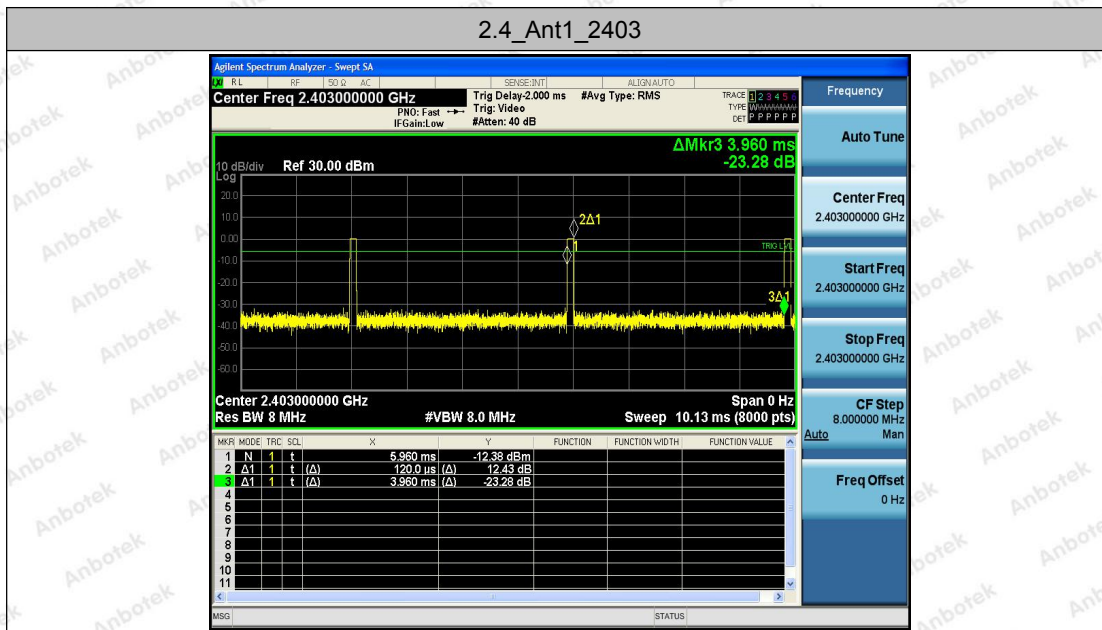


Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2403	0.12	3.96	0.030 3	3.03	15.19	---	PASS

Test Graphs



---End---