

Appendix Test Data

Report No.:	18220WC20147202	Test Sample No.:	1-2-2
Start Test Date:	2022.7.6	Finish Test Date:	2022.7.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.5 %
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	2405	1.685	2404.175	2405.860	---	PASS
		2441	1.675	2440.185	2441.860	---	PASS
		2475	1.695	2474.165	2475.860	---	PASS

Test Graphs

2.4_Ant1_2405



2.4_Ant1_2441



2.4_Ant1_2475

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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	2405	1.9201	2404.01 3	2405.933	---	PASS
		2441	1.9188	2440.00 7	2441.926	---	PASS
		2475	1.9061	2474.01 9	2475.925	---	PASS

Test Graphs

2.4_Ant1_2405



2.4_Ant1_2441



2.4_Ant1_2475

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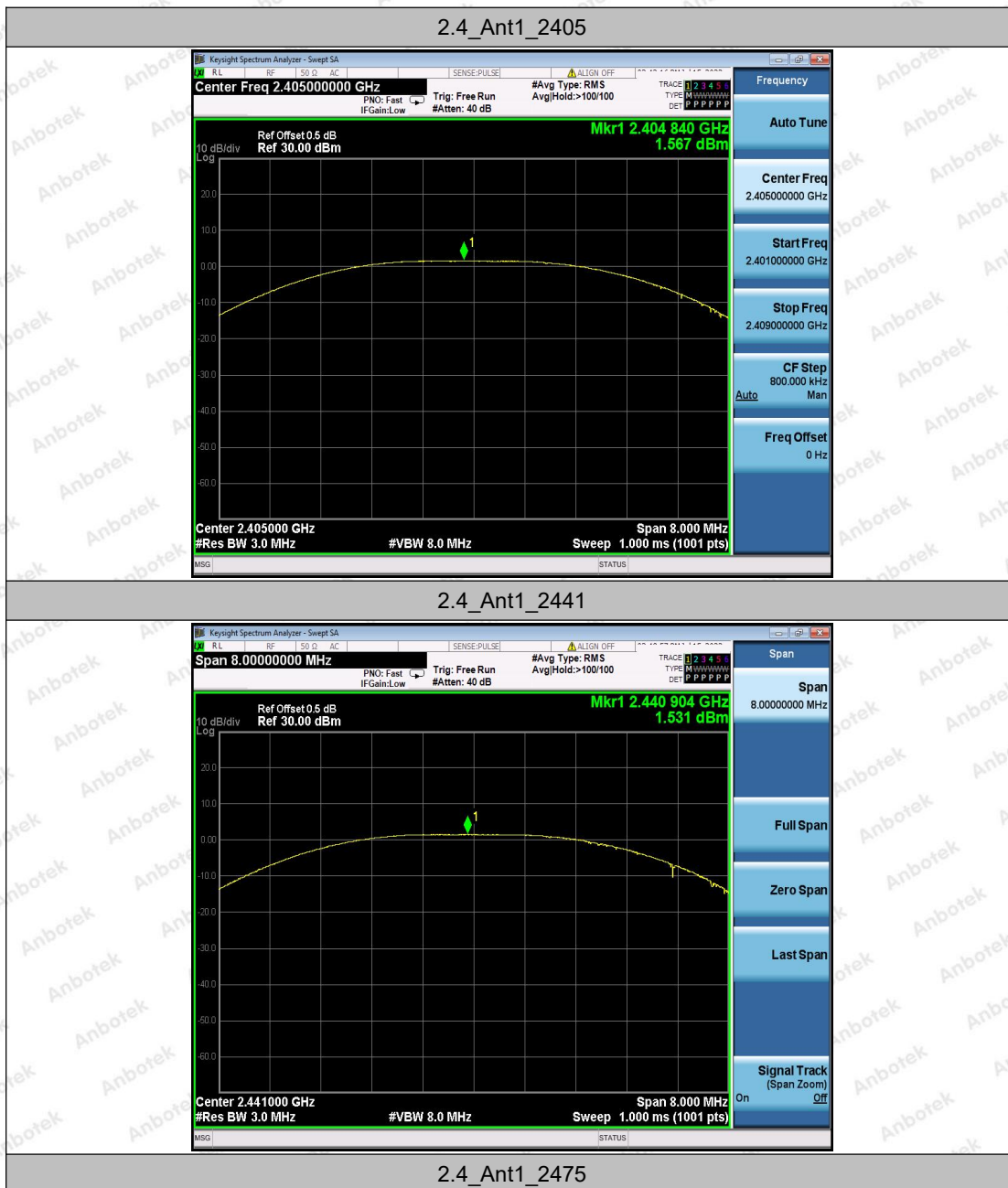
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	1.57	≤30	PASS
		2441	1.53	≤30	PASS
		2475	1.57	≤30	PASS

Test Graphs

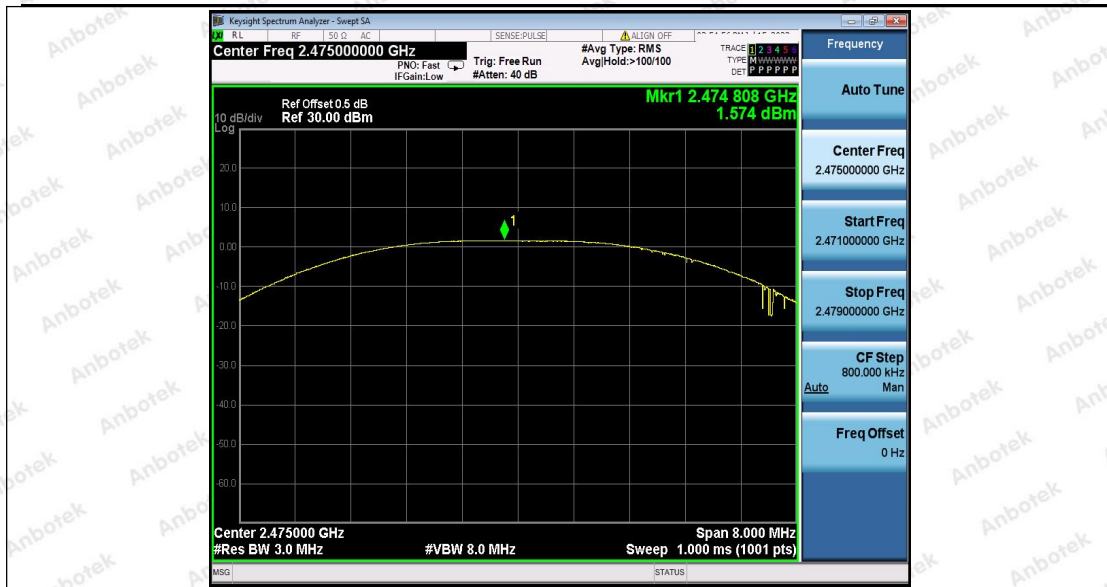


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥ 1.117	PASS

Test Graphs

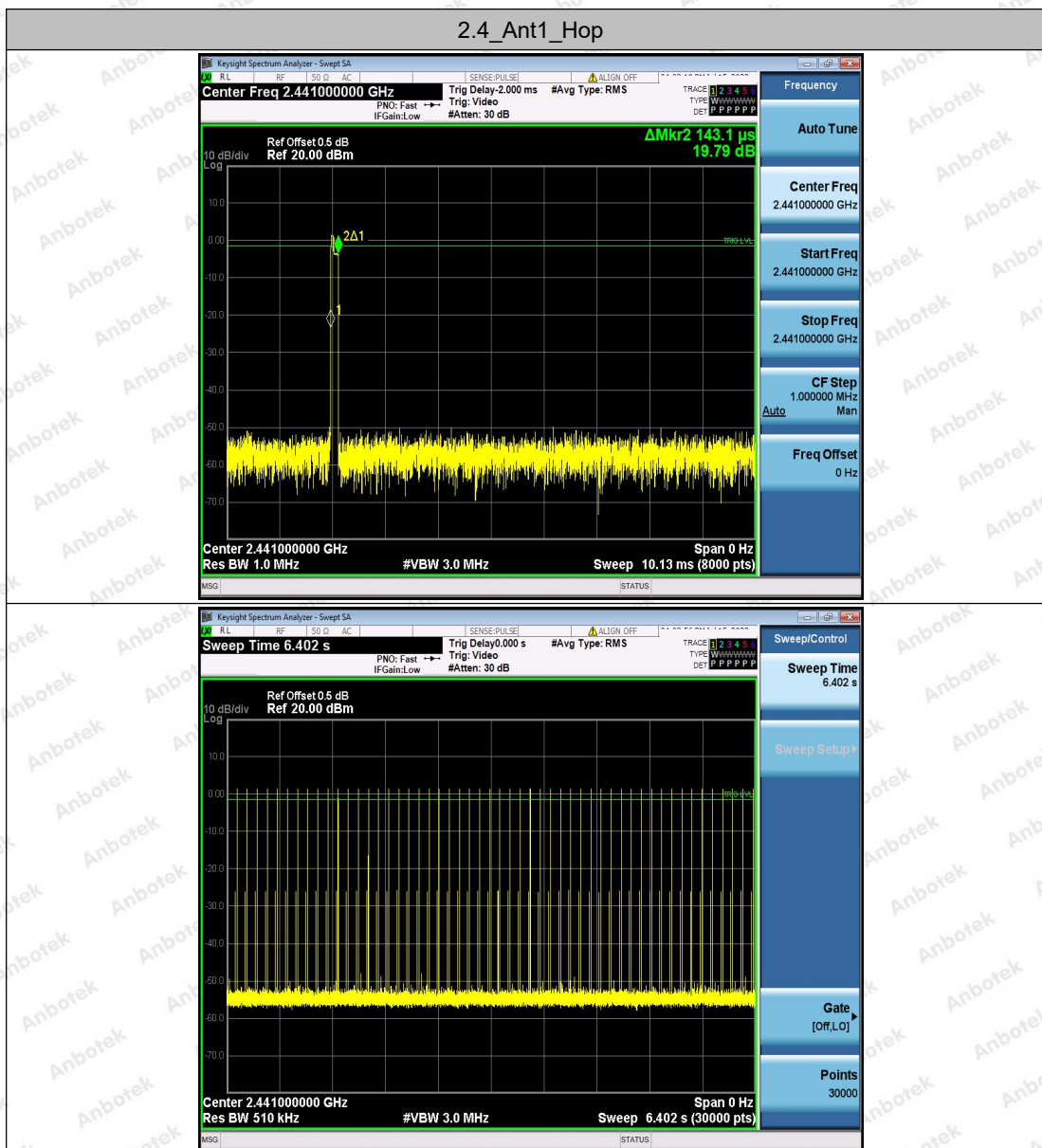


Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.14	52	0.007	≤0.4	PASS

Test Graphs



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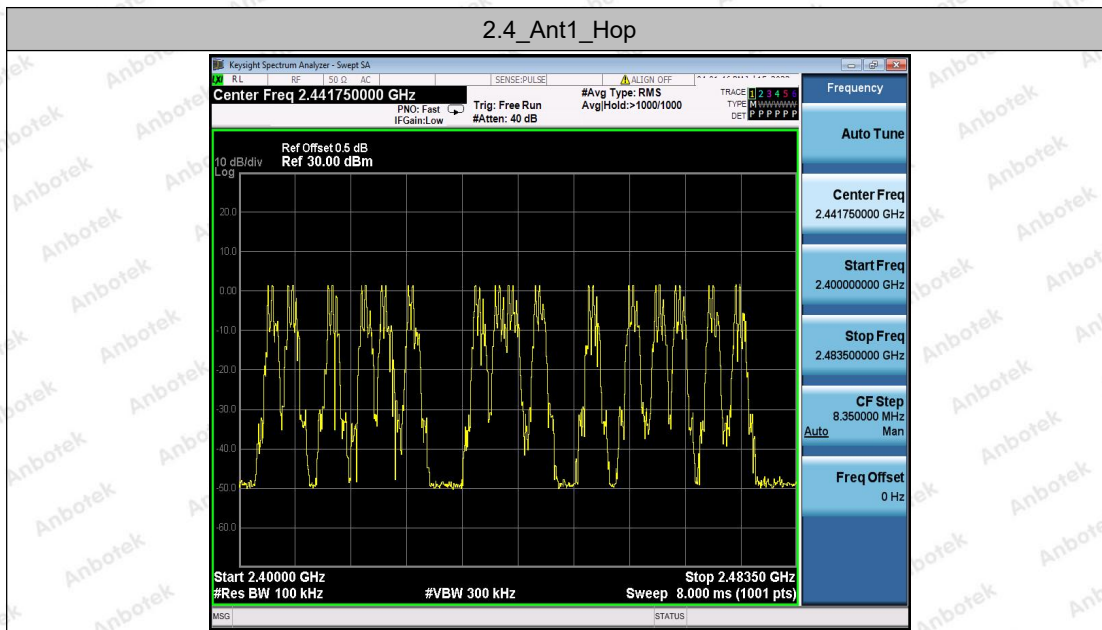
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



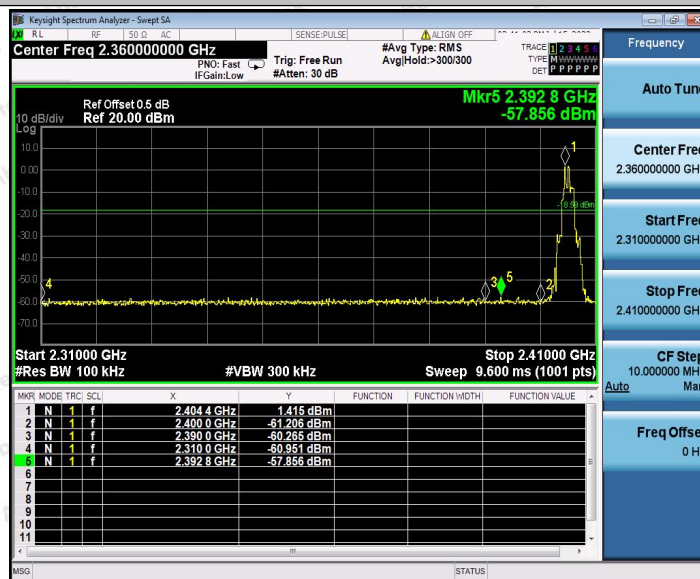
Appendix G: Band edge measurements

Test Result

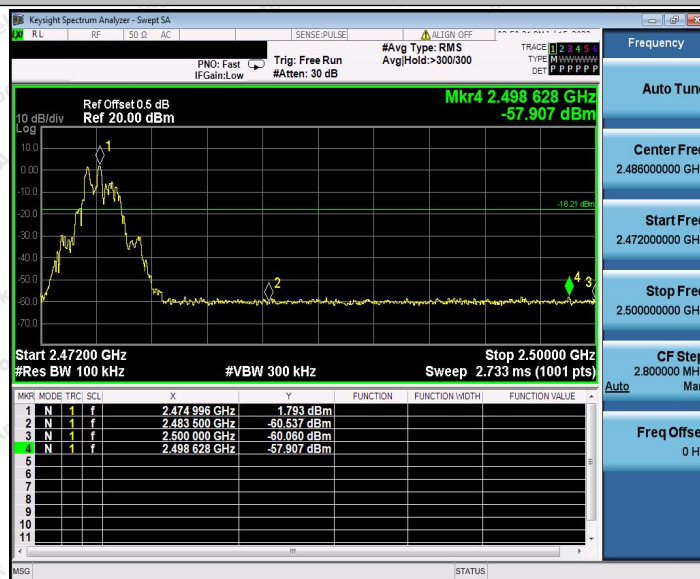
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2405	1.42	-57.86	≤-18.59	PASS
		High	2475	1.79	-57.91	≤-18.21	PASS
		Low	Hop	1.44	-52.5	≤-18.56	PASS
		High	Hop	1.52	-59.42	≤-18.48	PASS

Test Graphs

2.4_Ant1_Low_2405



2.4_Ant1_High_2475



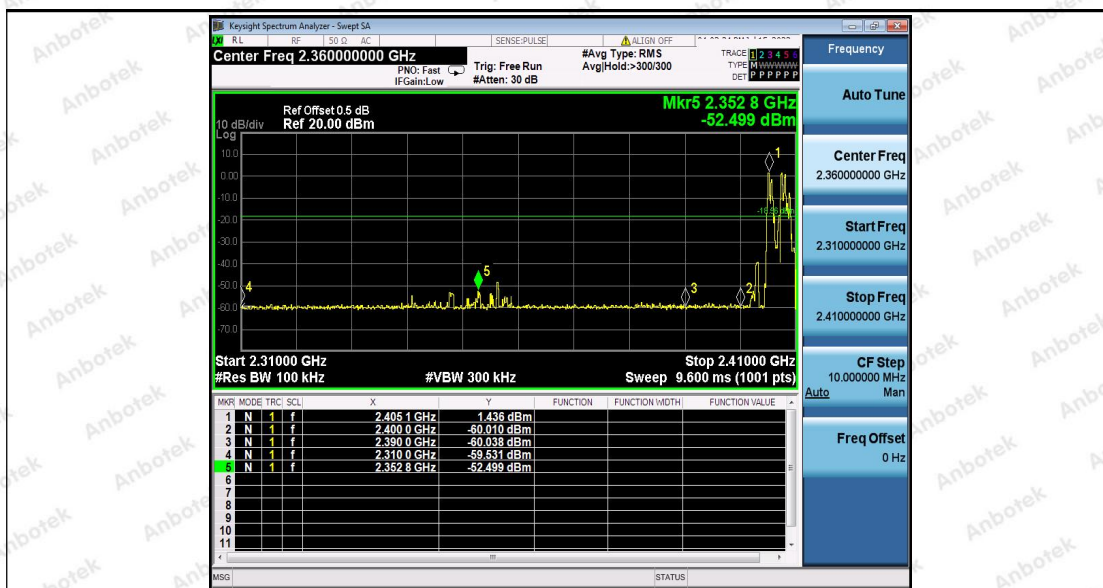
2.4_Ant1_Low_Hop

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2.4_Ant1_High_Hop



Appendix H: Conducted Spurious Emission

Test Result

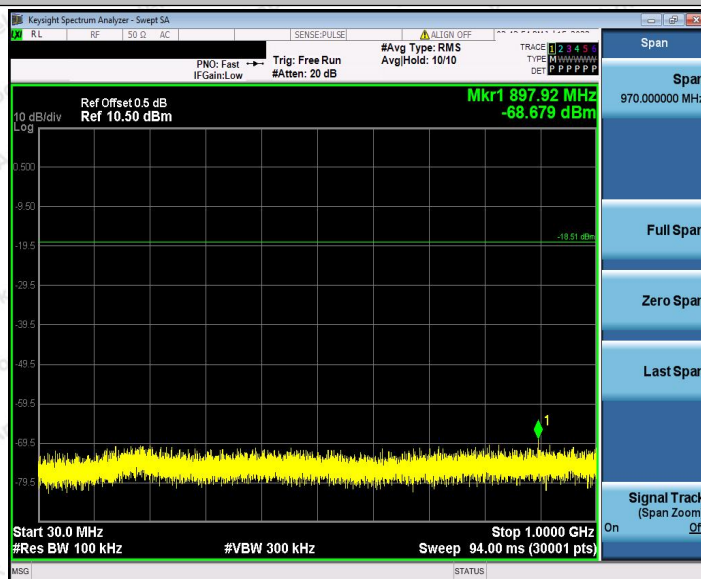
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2405	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-68.68	≤-18.51	PASS
			1000~26500	1.49	-53.26	≤-18.51	PASS
		2441	Reference	1.39	1.39	---	PASS
			30~1000	1.39	-69.26	≤-18.61	PASS
			1000~26500	1.39	-53.74	≤-18.61	PASS
		2475	Reference	1.60	1.60	---	PASS
			30~1000	1.60	-69.57	≤-18.4	PASS
			1000~26500	1.60	-42.13	≤-18.4	PASS

Test Graphs

2.4_Ant1_2405_0~Reference



2.4_Ant1_2405_30~1000



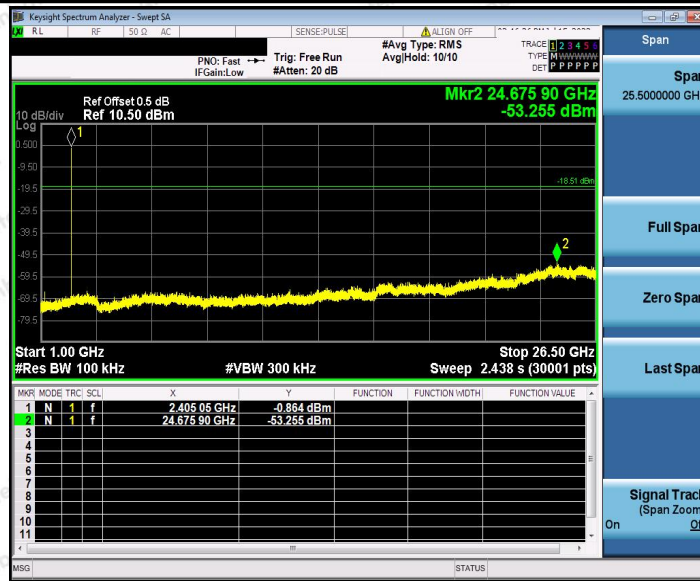
2.4_Ant1_2405_1000~26500

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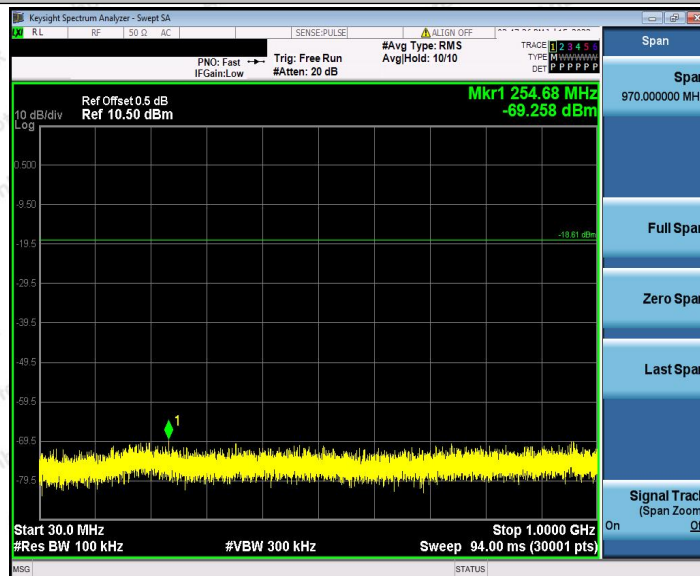
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2.4_Ant1_2441_0~Reference



2.4_Ant1_2441_30~1000



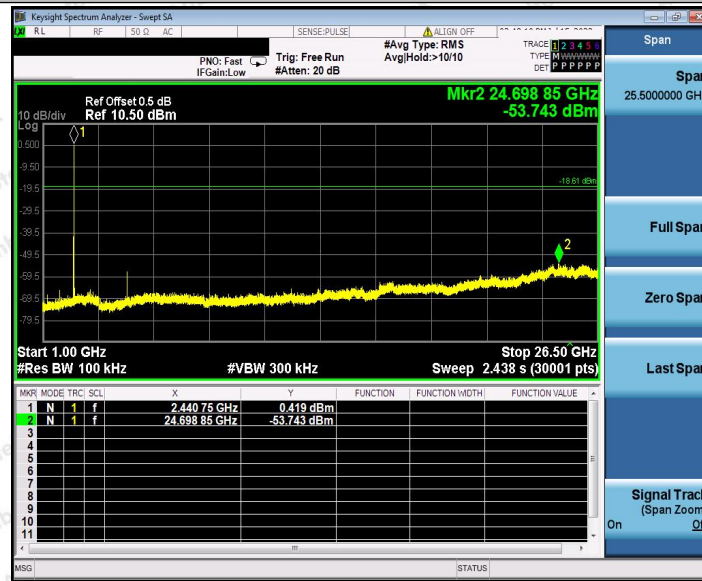
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2.4_Ant1_2441_1000~26500



2.4_Ant1_2475_0~Reference



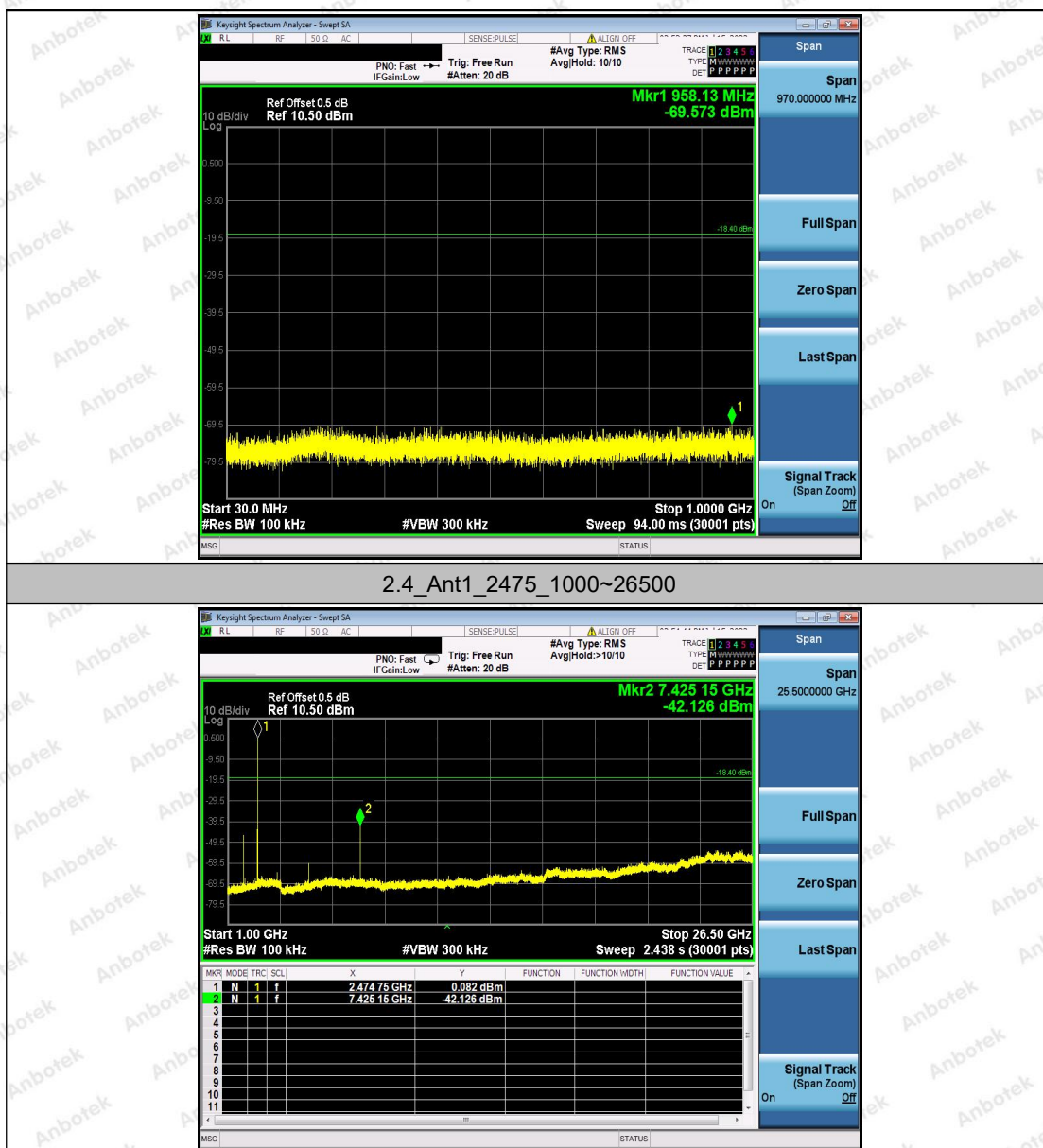
2.4_Ant1_2475_30~1000

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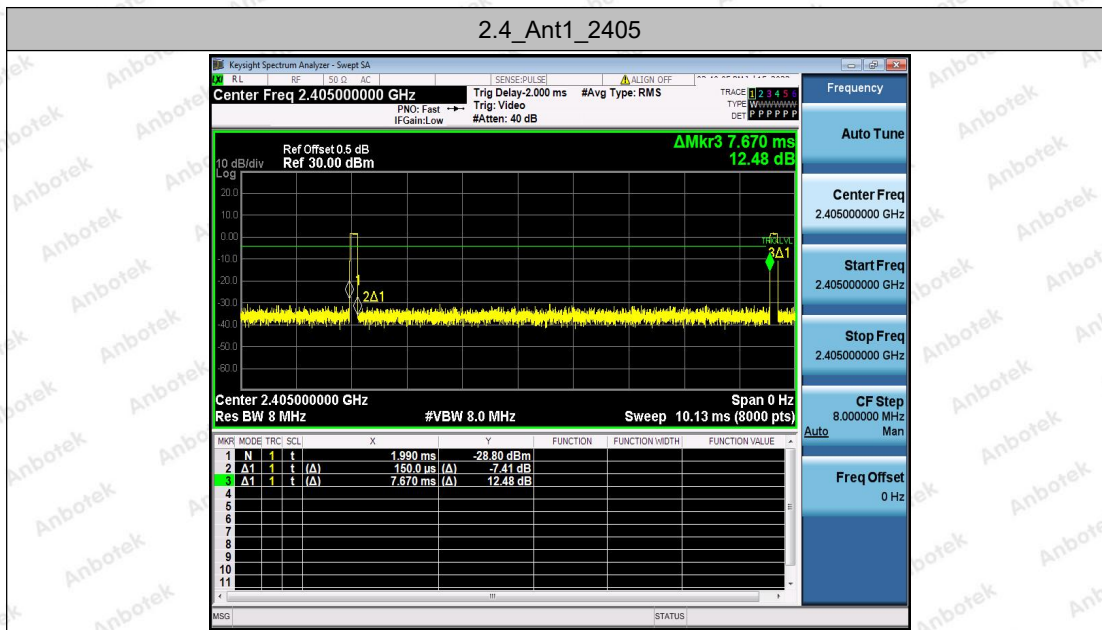
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4G	Ant1	2405	0.15	7.67	0.019 6	1.96	17.08	---	PASS

Test Graphs



---End---

