

Appendix Test Data

Report No.:	18220WC20055201	Test Sample No.:	1-2-2
Start Test Date:	2022.3.25	Finish Test Date:	2022.4.1
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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
2.4	Ant1	2402	1.865	2401.080	2402.945	---	PASS
		2440	1.880	2439.075	2440.955	---	PASS
		2480	2.090	2479.020	2481.110	---	PASS

Test Graphs

2.4_Ant1_2402



2.4_Ant1_2440



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	2402	1.8295	2401.09 2	2402.922	---	PASS
		2440	1.8460	2439.08 4	2440.930	---	PASS
		2480	1.8869	2479.06 5	2480.952	---	PASS

Test Graphs





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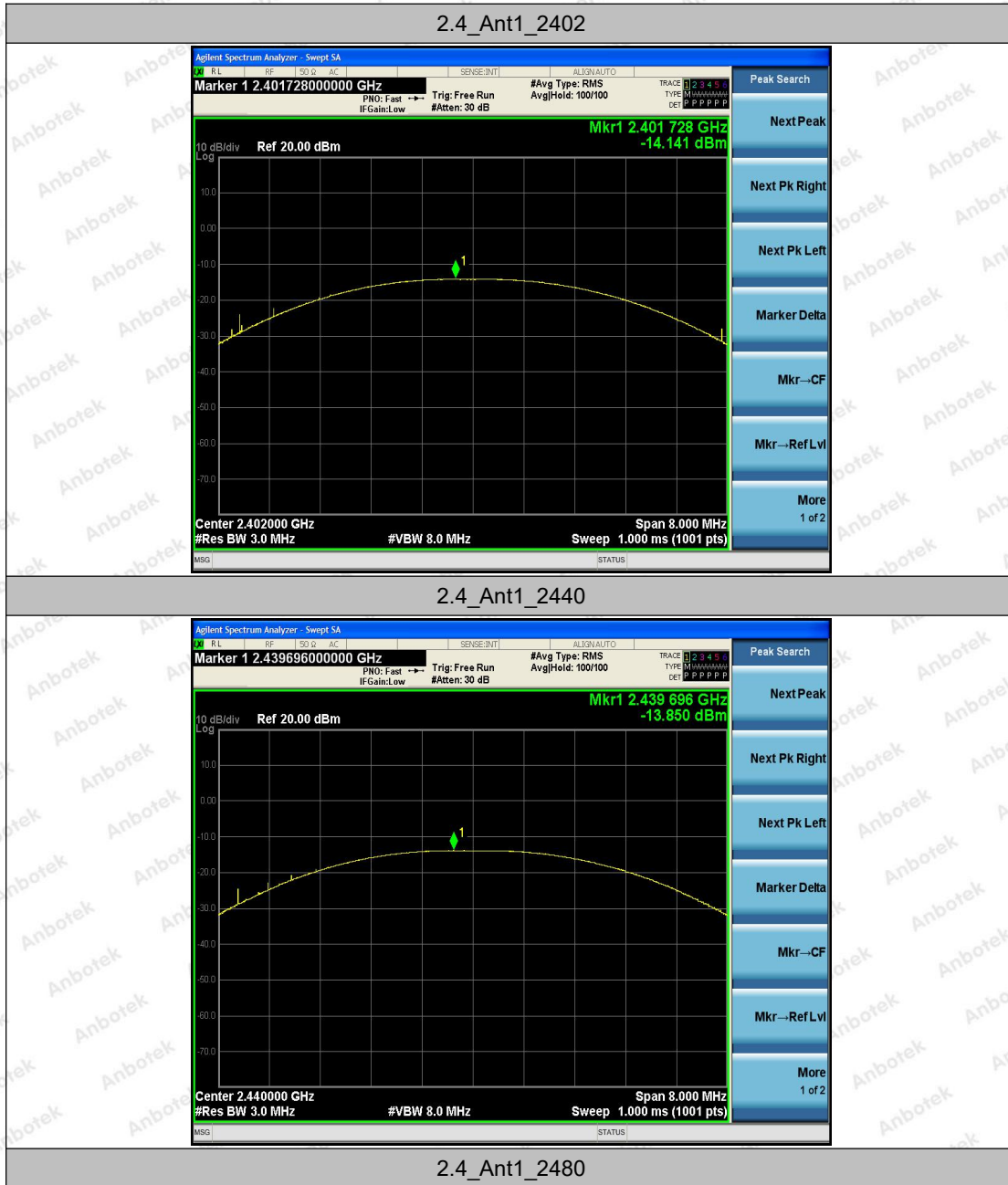
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2402	-14.14	≤20.97	PASS
		2440	-13.85	≤20.97	PASS
		2480	-13.59	≤20.97	PASS

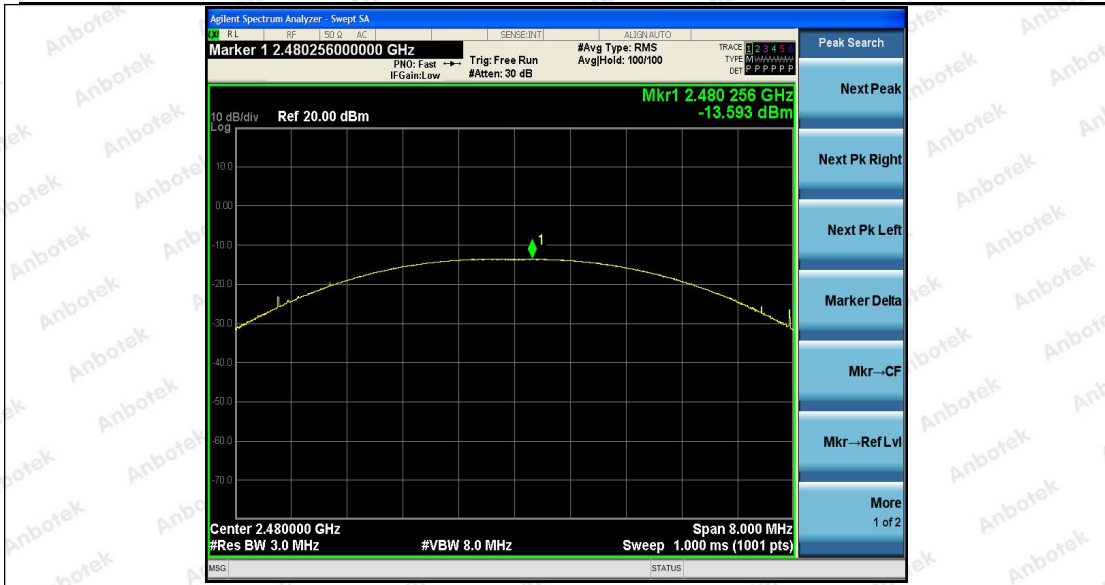
Test Graphs



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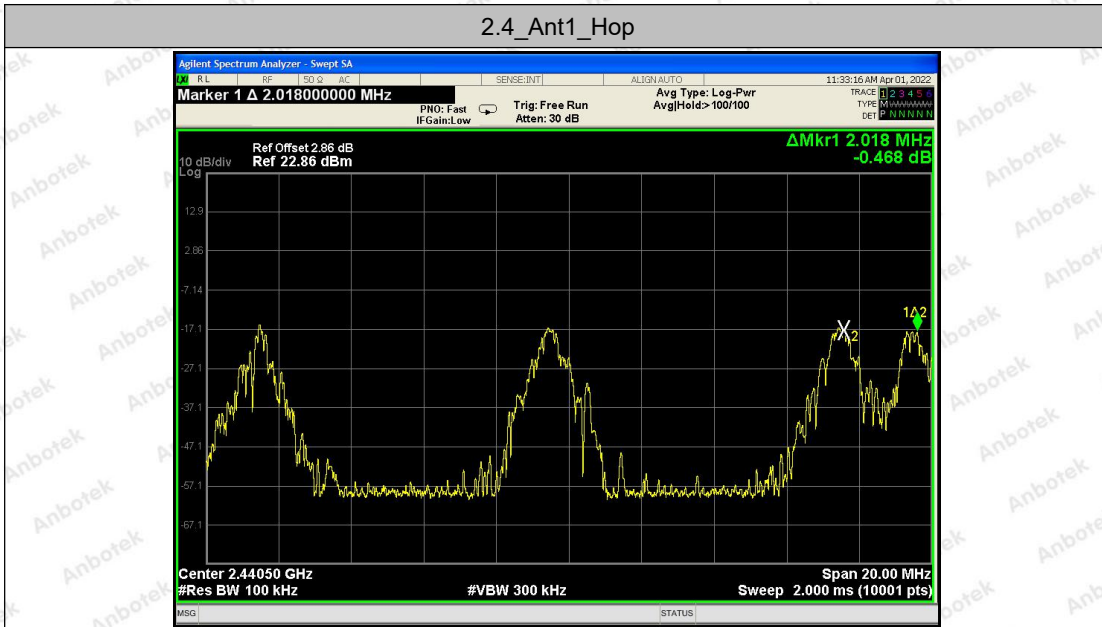
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	2.018	≥1.393	PASS

Test Graphs



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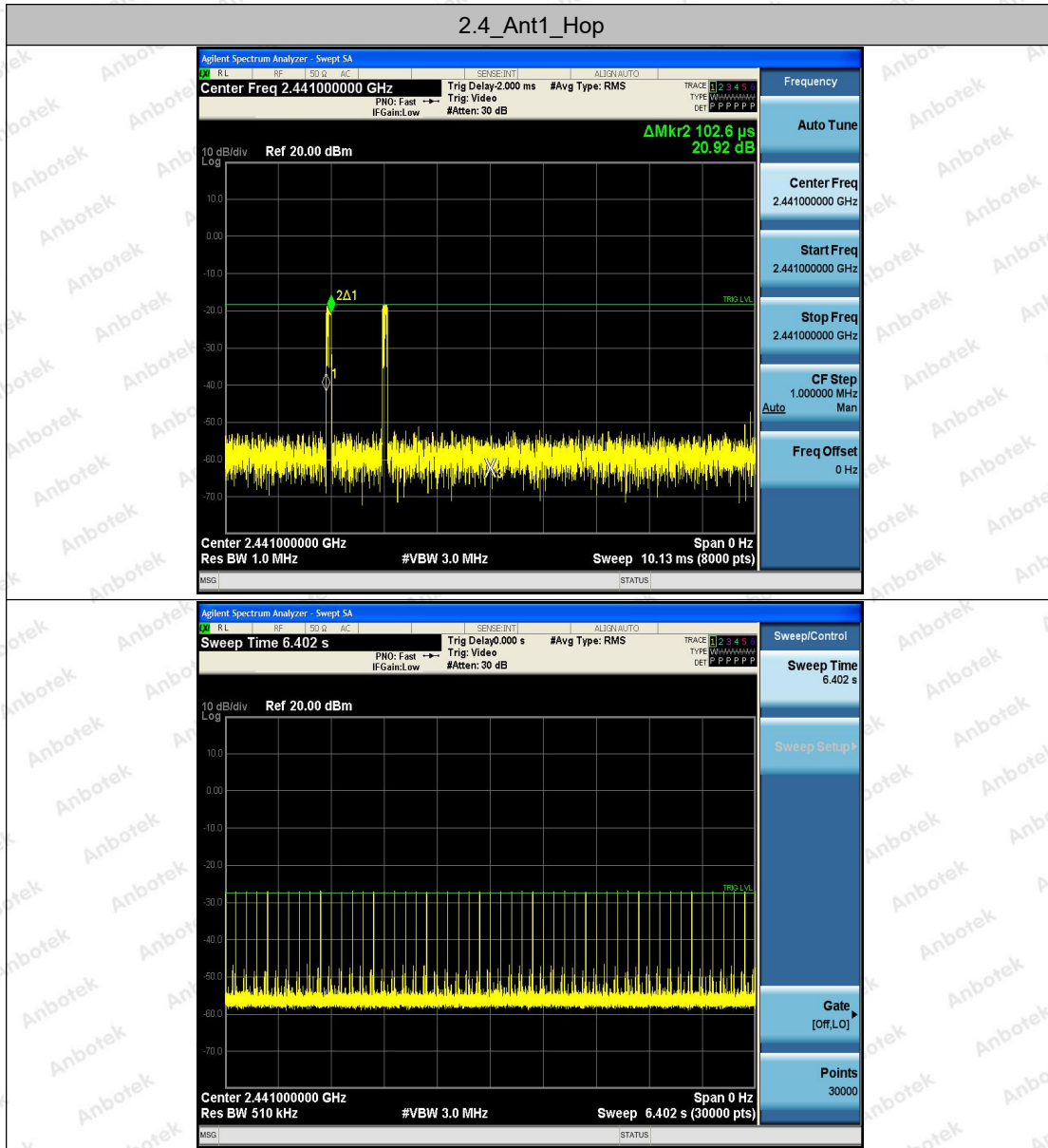
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	0.10	51	0.0051	≤0.4	PASS

Test Graphs



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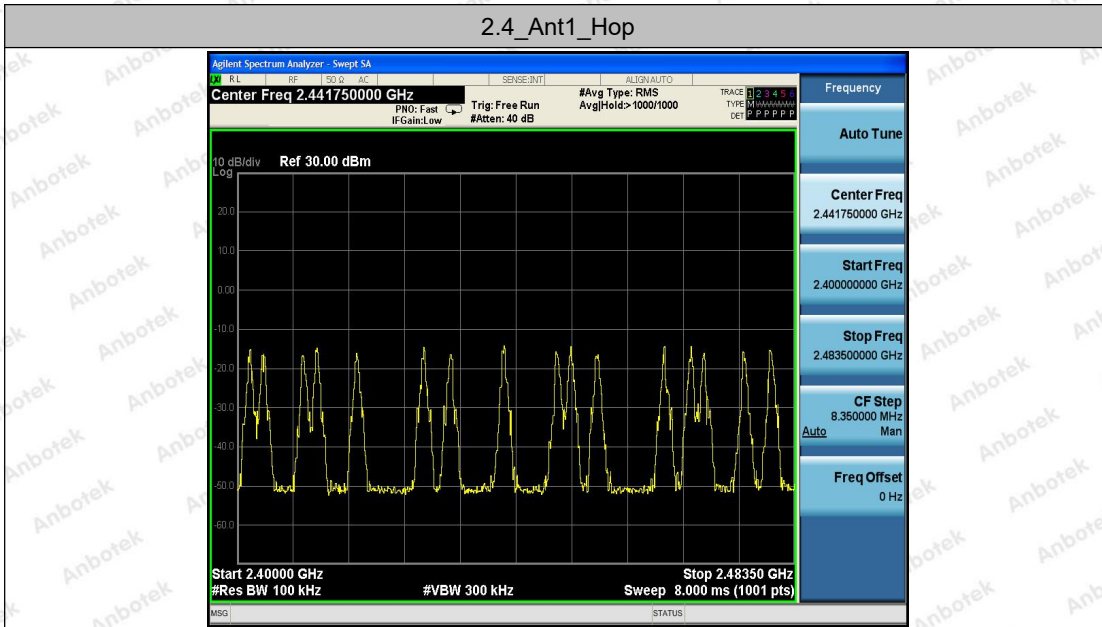
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



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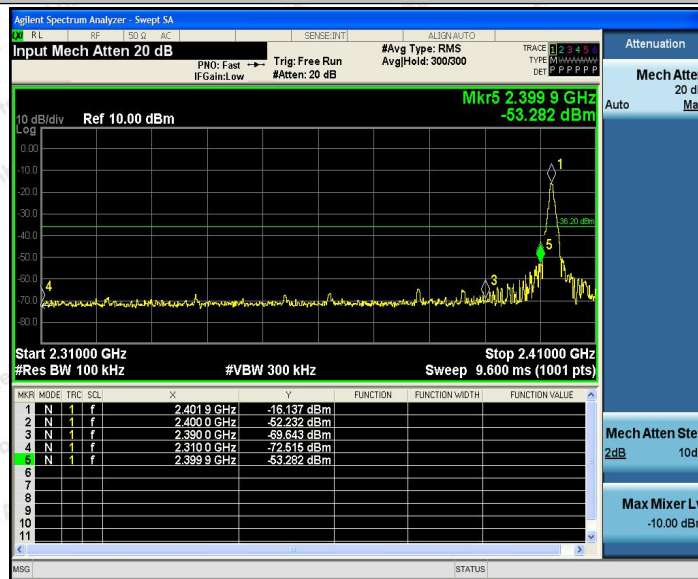
Appendix G: Band edge measurements

Test Result

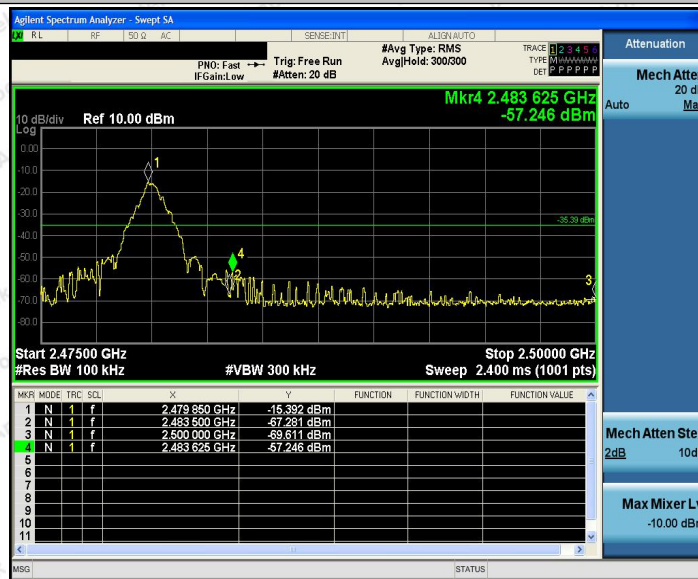
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2402	-16.20	-53.28	≤-36.2	PASS
		High	2480	-15.39	-57.25	≤-35.39	PASS
		Low	Hop	-14.38	-58.96	≤-34.38	PASS
		High	Hop	-15.98	-61.35	≤-35.98	PASS

Test Graphs

2.4_Ant1_Low_2402



2.4_Ant1_High_2480



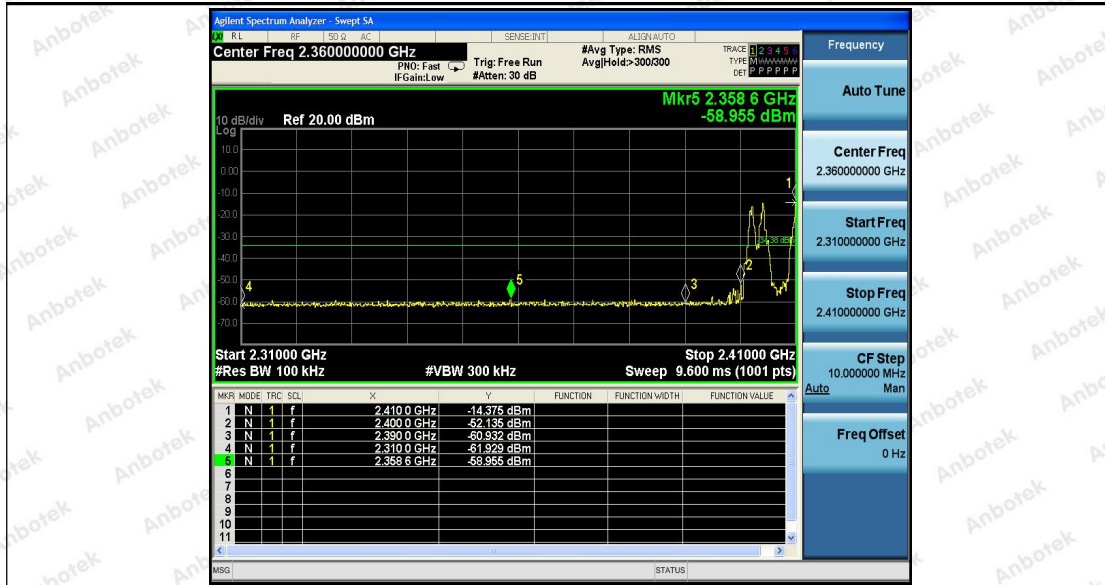
2.4_Ant1_Low_Hop

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2.4_Ant1_High_Hop



Appendix H: Conducted Spurious Emission

Test Result

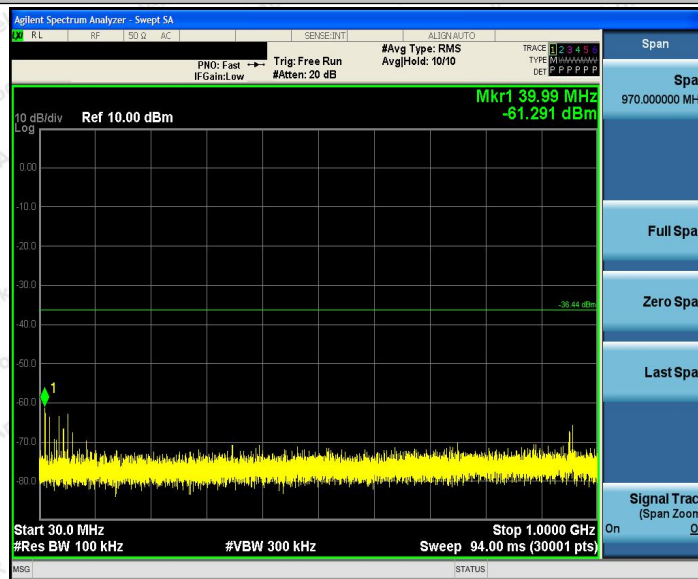
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2402	Reference	-16.44	-16.44	---	PASS
			30~1000	-16.44	-61.29	≤-36.44	PASS
			1000~26500	-16.44	-47.78	≤-36.44	PASS
		2440	Reference	-16.00	-16.00	---	PASS
			30~1000	-16.00	-61.52	≤-36	PASS
			1000~26500	-16.00	-41.2	≤-36	PASS
		2480	Reference	-15.81	-15.81	---	PASS
			30~1000	-15.81	-61.81	≤-35.81	PASS
			1000~26500	-15.81	-48.18	≤-35.81	PASS

Test Graphs

2.4_Ant1_2402_0~Reference



2.4_Ant1_2402_30~1000

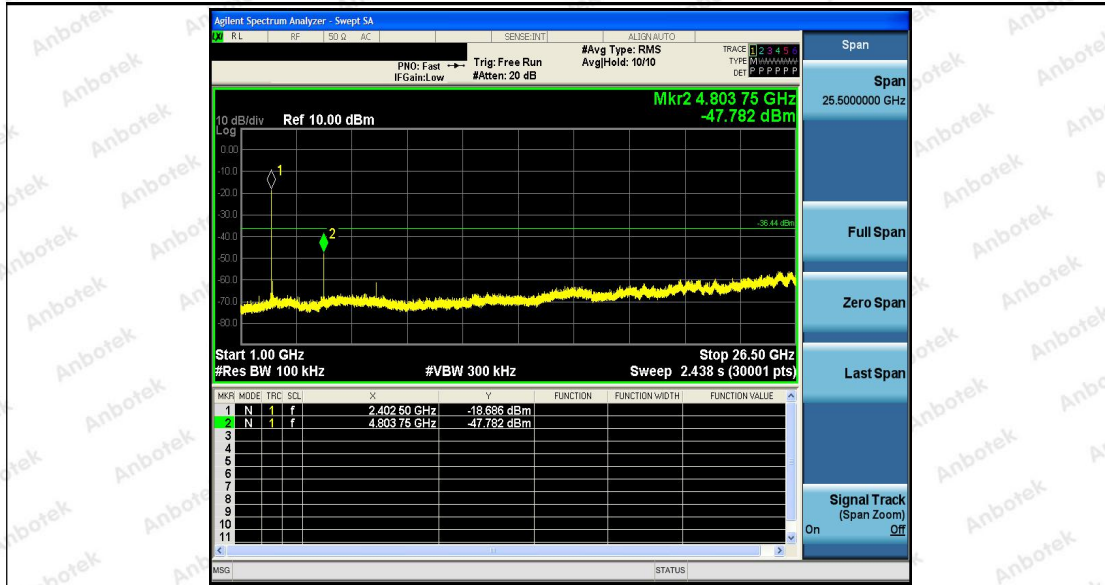


2.4_Ant1_2402_1000~26500

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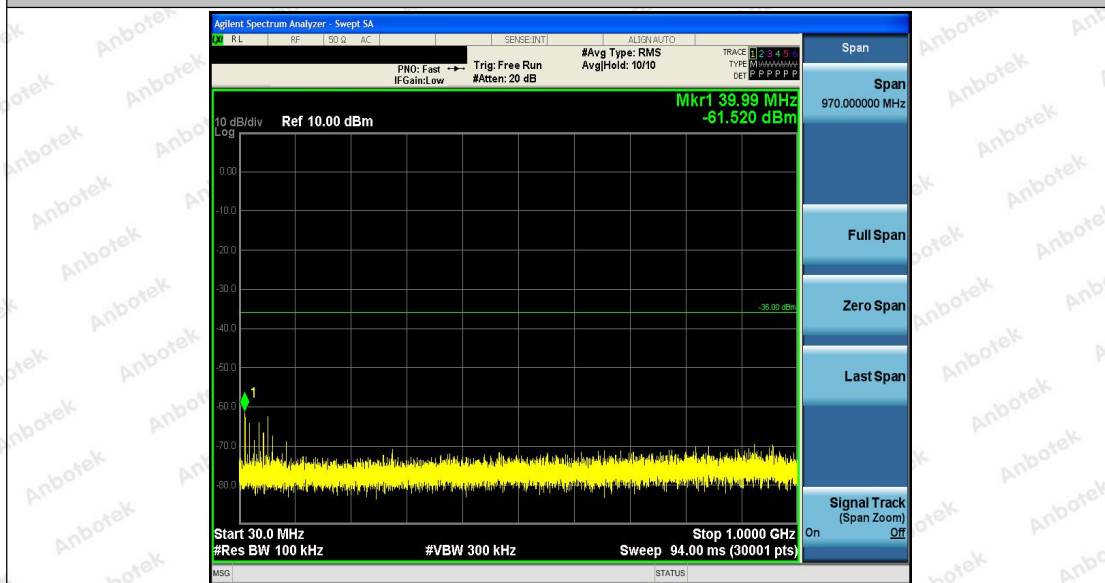
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2.4_Ant1_2440_0~Reference



2.4_Ant1_2440_30~1000



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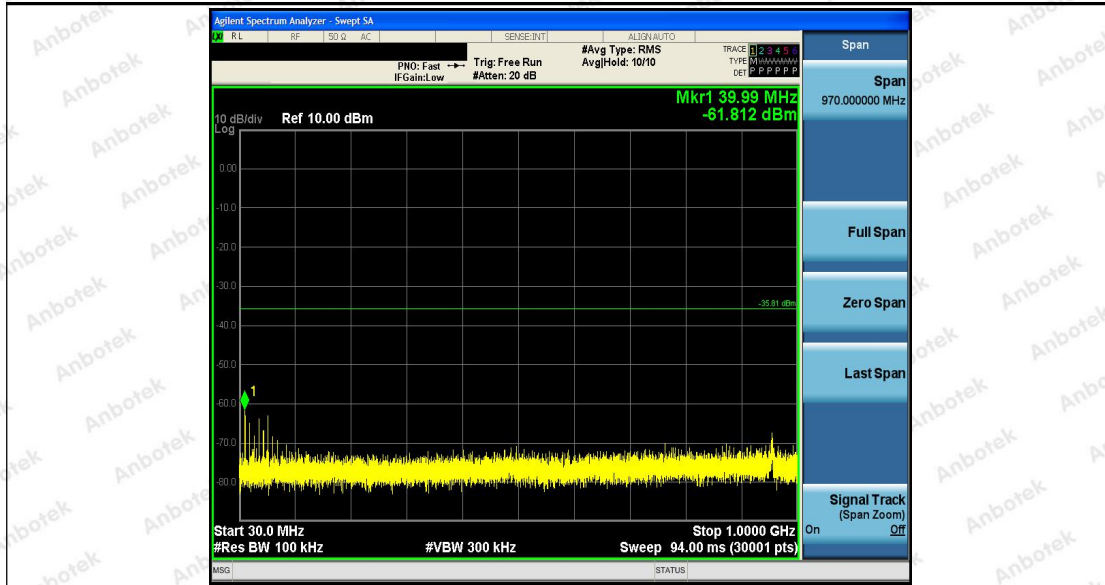


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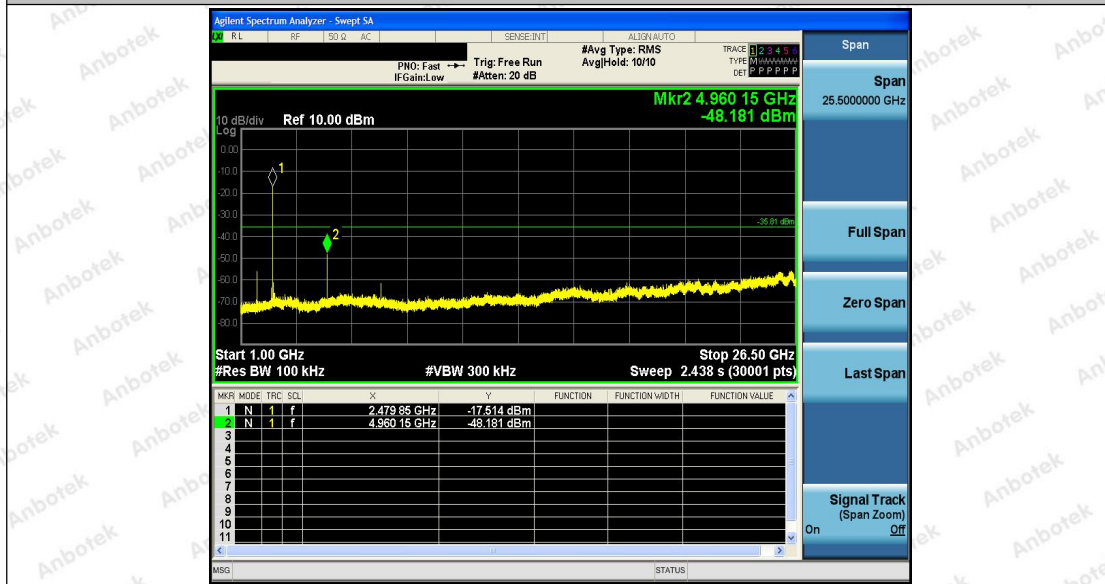
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2.4_Ant1_2480_1000~26500



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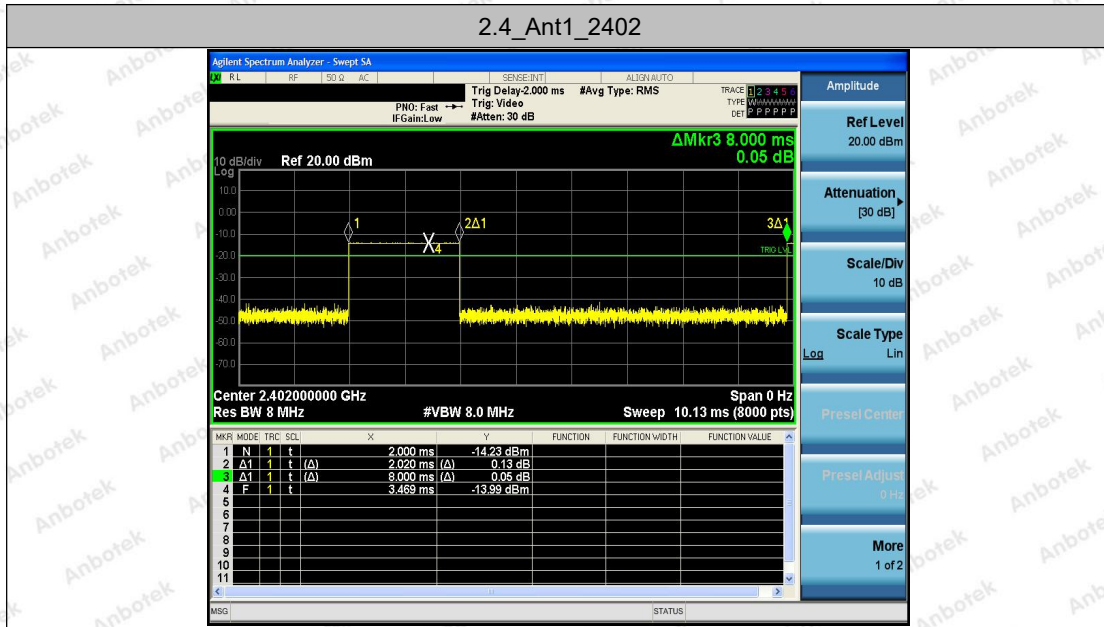
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2402	2.02	8.00	0.252 5	25.25	5.98	---	PASS

Test Graphs



---End---