

Appendix Test Data

Report No.:	18220WC20126801	Test Sample No.:	1-2-2
Start Test Date:	2022.6.14	Finish Test Date:	2022.6.20
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.6℃	Relative Humidity:	55.9 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	1.580	2407.215	2408.795	---	PASS
		2440	1.585	2439.215	2440.800	---	PASS
		2474	1.615	2473.215	2474.830	---	PASS

Test Graphs

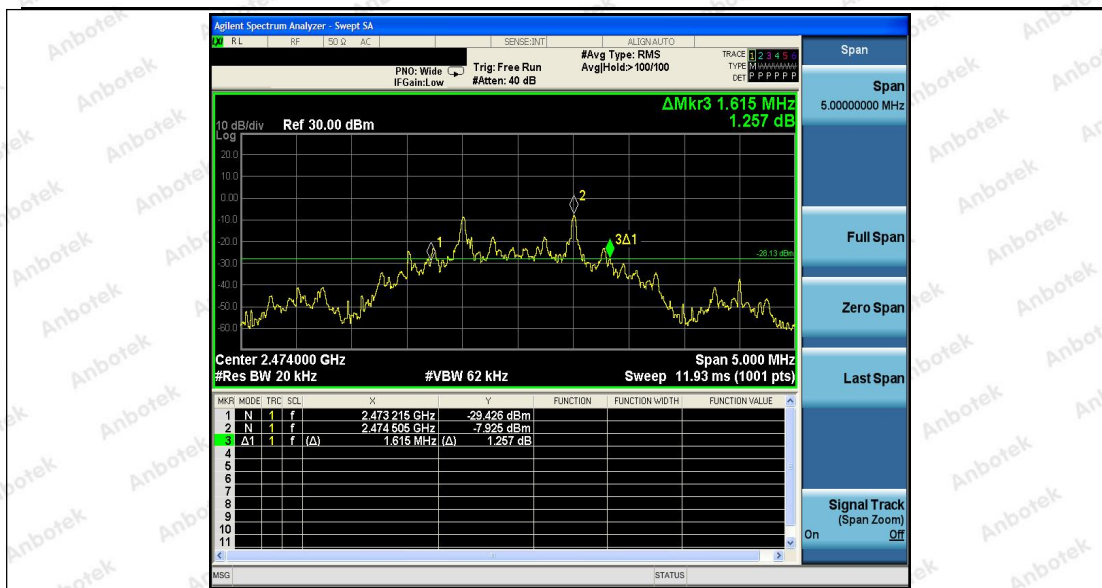
2.4_Ant1_2408



2.4_Ant1_2440



2.4_Ant1_2474



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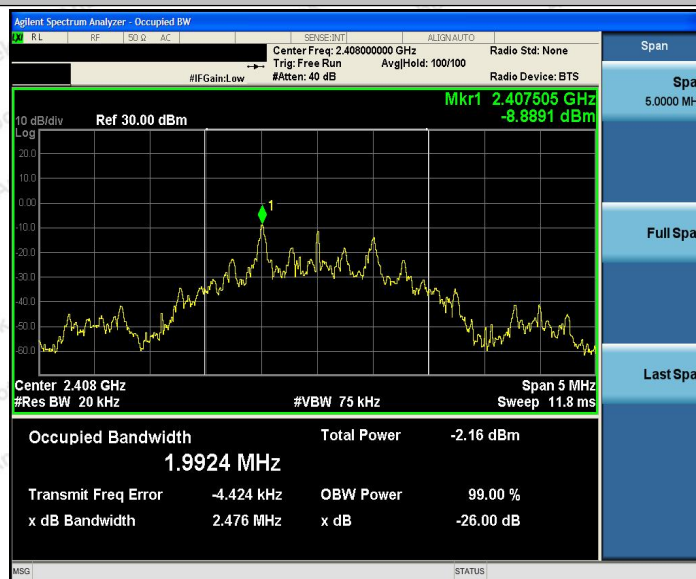
Appendix B: Occupied Channel Bandwidth

Test Result

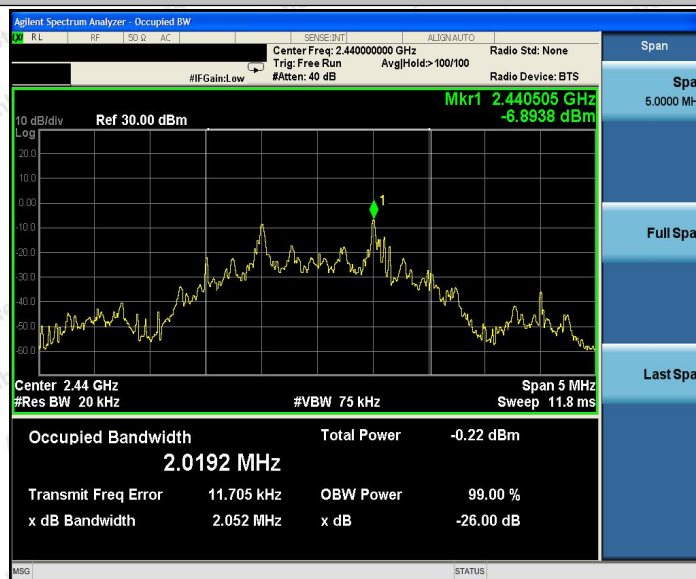
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	1.9924	2406.999	2408.992	---	PASS
		2440	2.0192	2439.055	2441.022	---	PASS
		2474	1.9791	2473.047	2475.026	---	PASS

Test Graphs

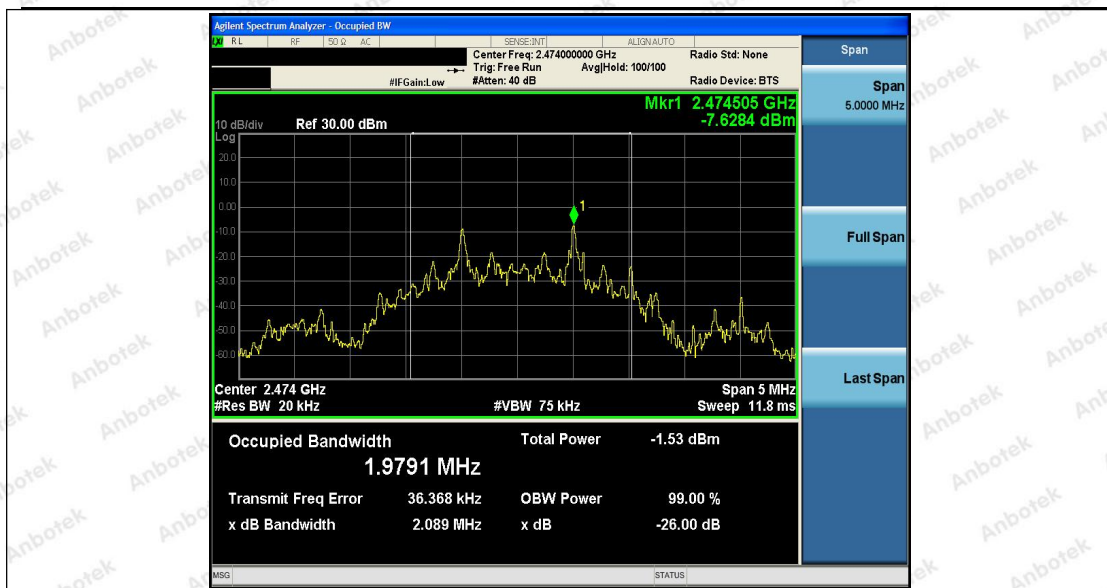
2.4_Ant1_2408



2.4_Ant1_2440



2.4_Ant1_2474



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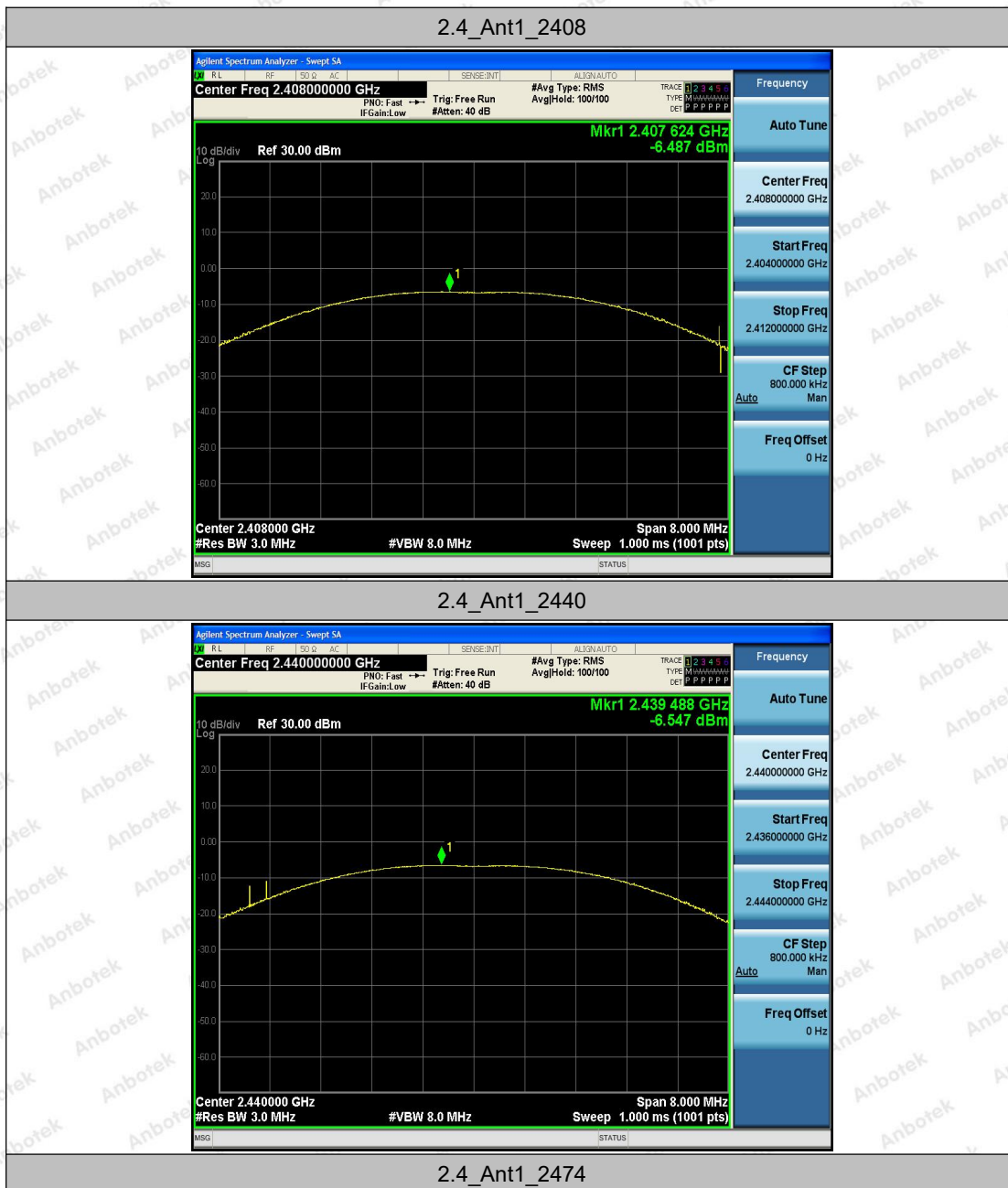
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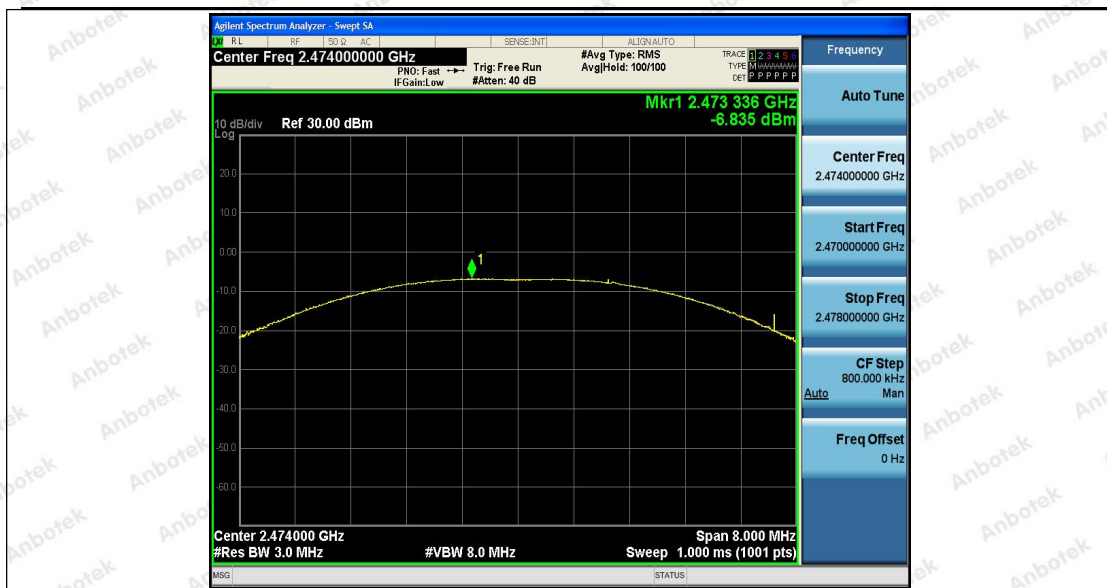
Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2408	-6.49	≤20.97	PASS
		2440	-6.55	≤20.97	PASS
		2474	-6.84	≤20.97	PASS

Test Graphs





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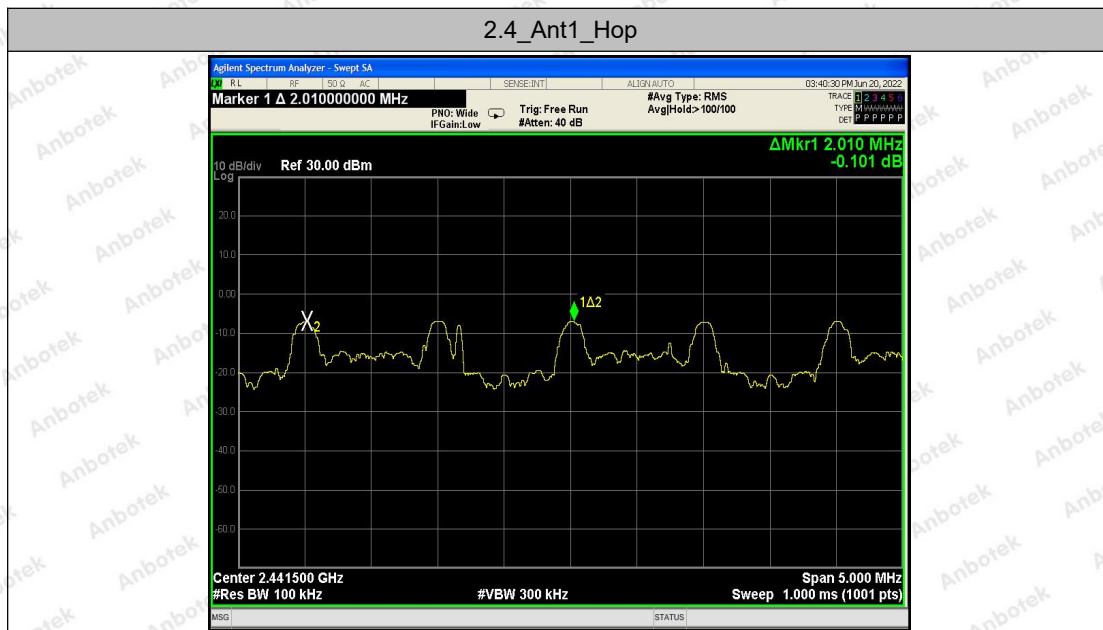
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.010	≥1.077	PASS

Test Graphs

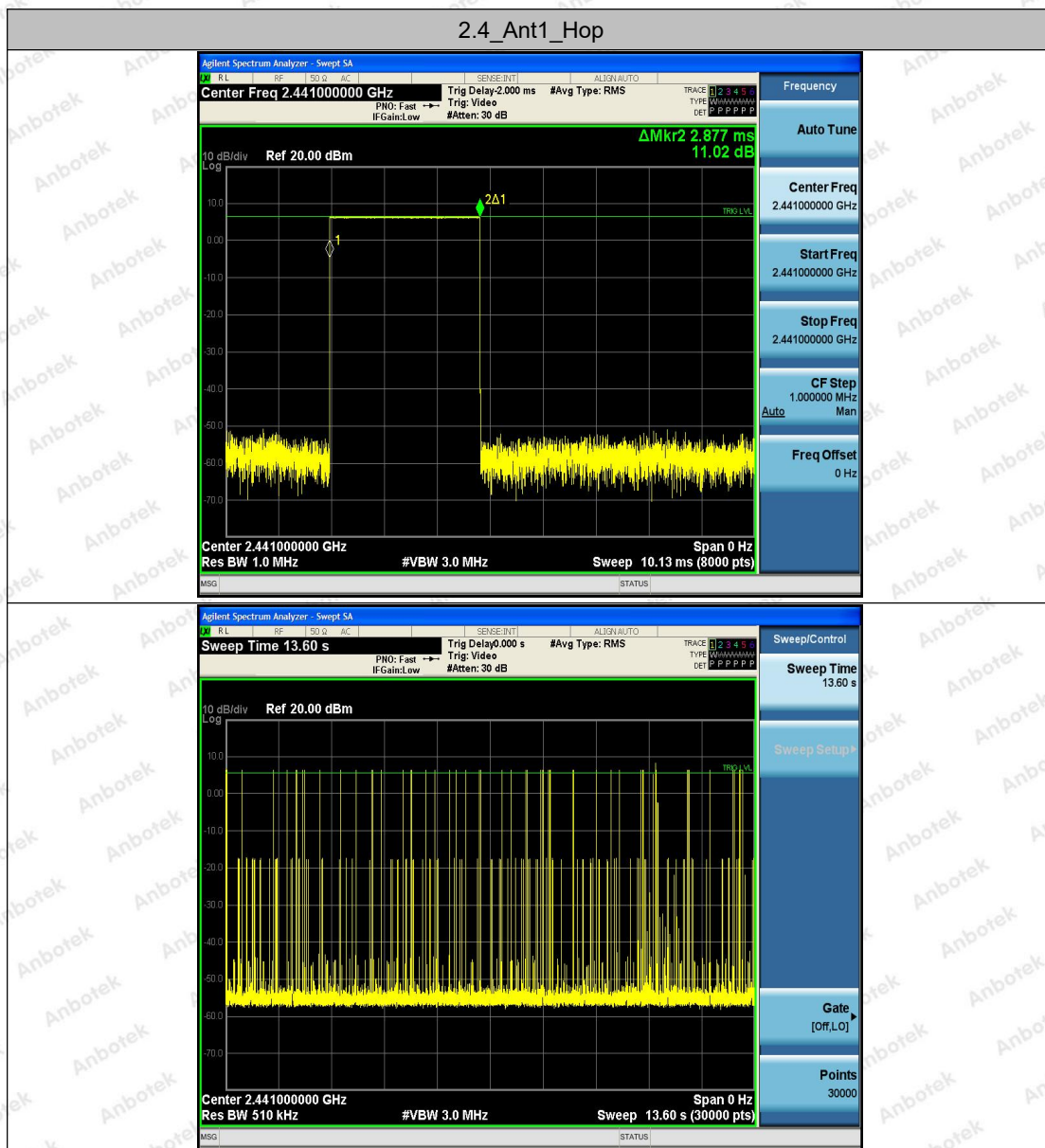


Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Channel	Burst Width[ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	2.88	47	0.135	≤0.4	PASS

Test Graphs

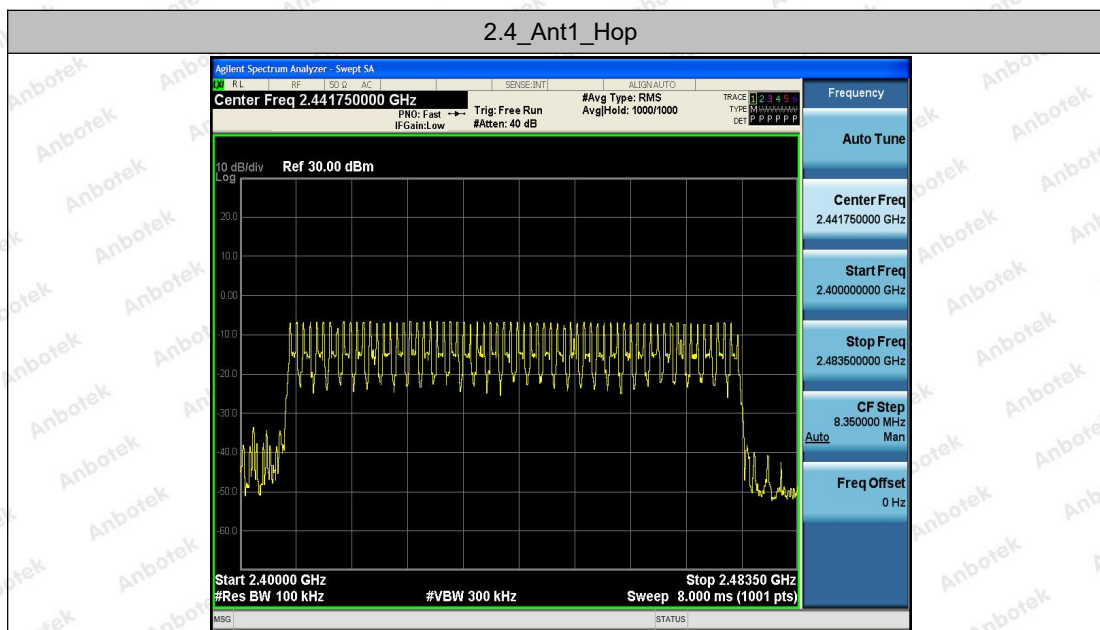


Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	34	≥15	PASS

Test Graphs



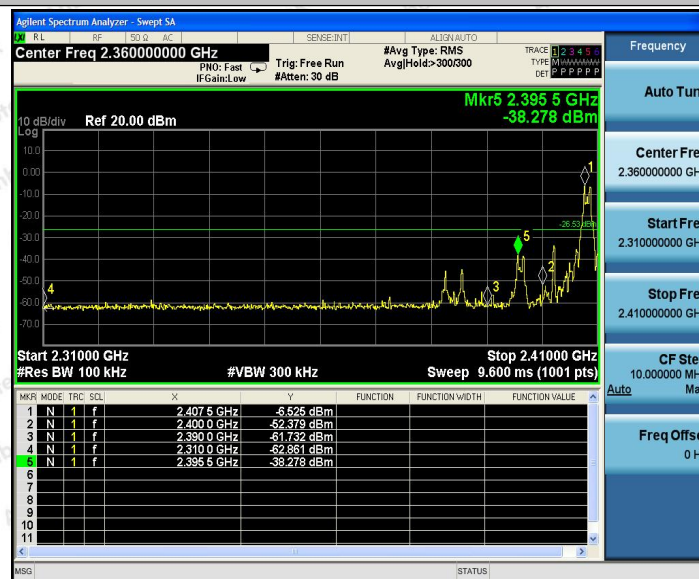
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2408	-6.53	-38.28	≤ -26.53	PASS
		High	2474	-6.97	-51.54	≤ -26.97	PASS
		Low	Hop	-7.06	-44.57	≤ -27.06	PASS
		High	Hop	-7.01	-61.25	≤ -27.01	PASS

Test Graphs

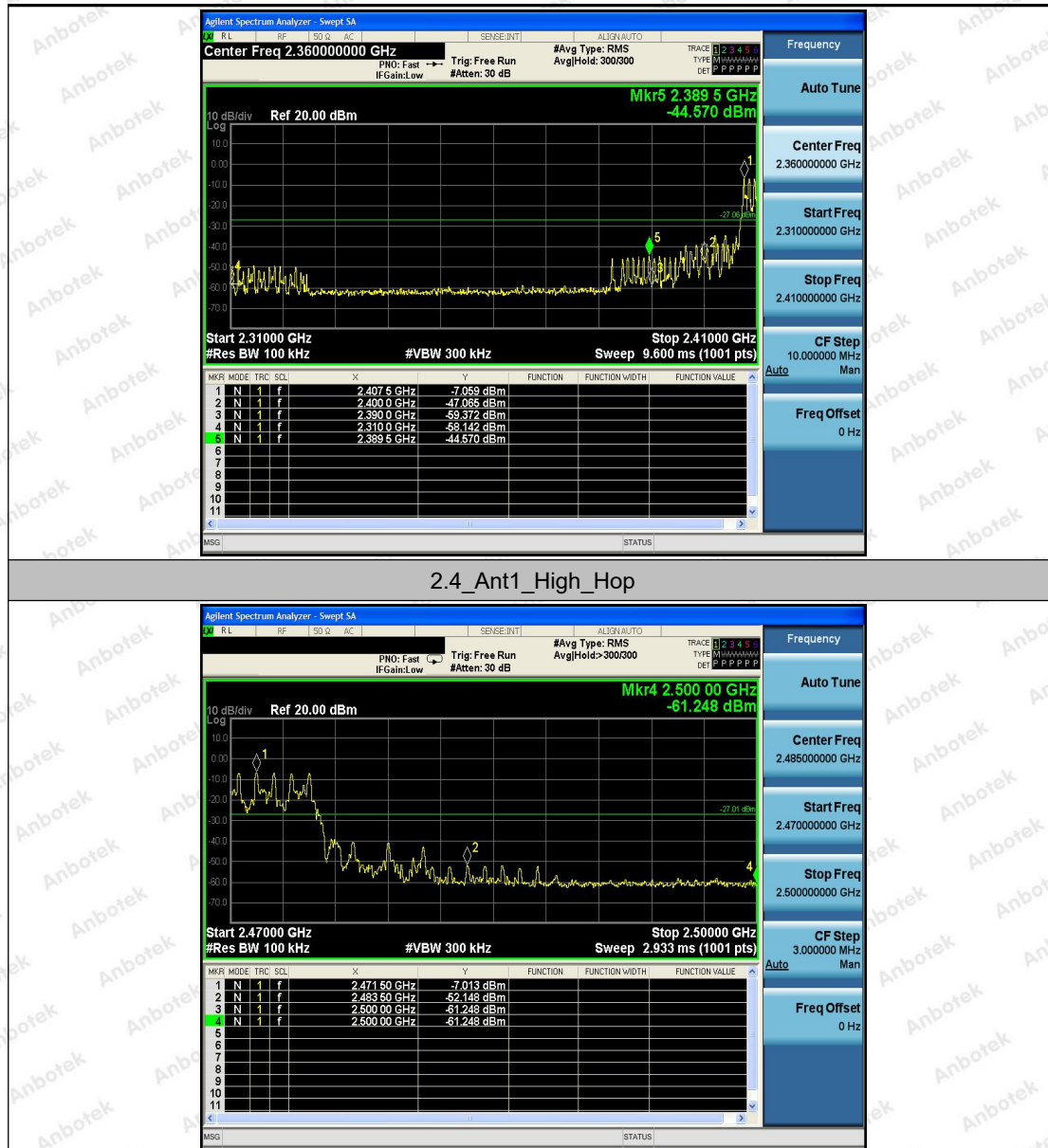
2.4_Ant1_Low_2408



2.4_Ant1_High_2474



2.4_Ant1_Low_Hop



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Appendix H: Conducted Spurious Emission

Test Result

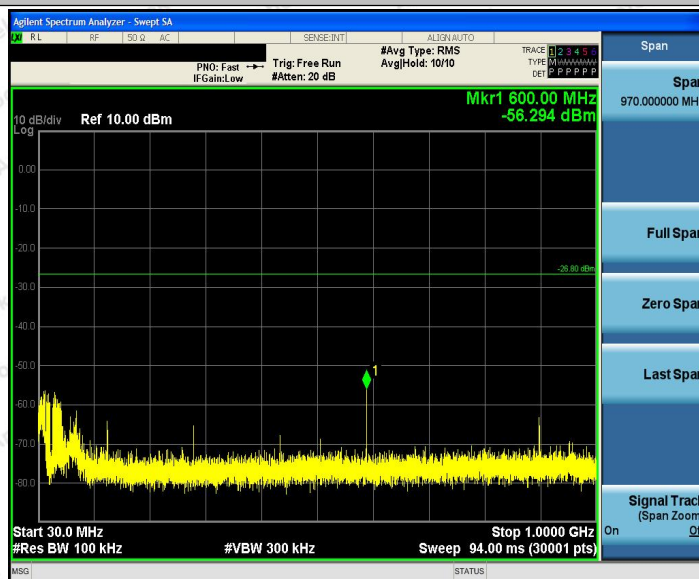
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2408	Reference	-6.80	-6.80	---	PASS
			30~1000	-6.80	-56.29	≤-26.8	PASS
			1000~26500	-6.80	-55.25	≤-26.8	PASS
		2440	Reference	-6.89	-6.89	---	PASS
			30~1000	-6.89	-53.83	≤-26.89	PASS
			1000~26500	-6.89	-36.06	≤-26.89	PASS
		2474	Reference	-7.01	-7.01	---	PASS
			30~1000	-7.01	-55.1	≤-27.01	PASS
			1000~26500	-7.01	-52.96	≤-27.01	PASS

Test Graphs

2.4_Ant1_2408_0~Reference



2.4_Ant1_2408_30~1000



2.4_Ant1_2408_1000~26500



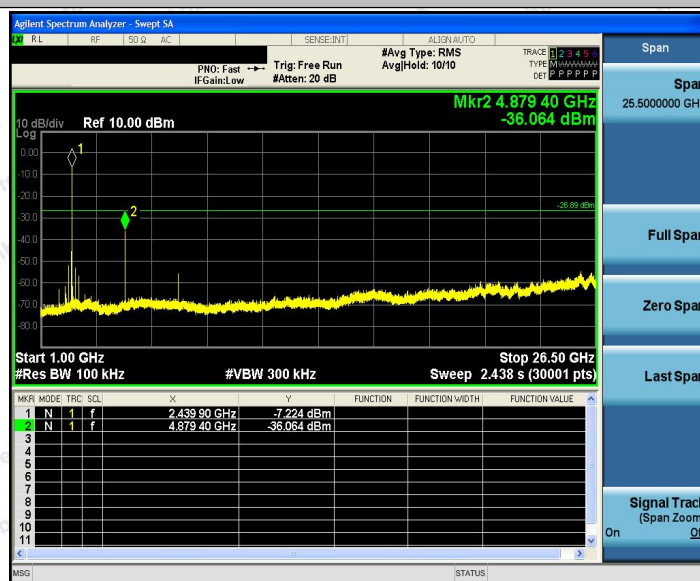
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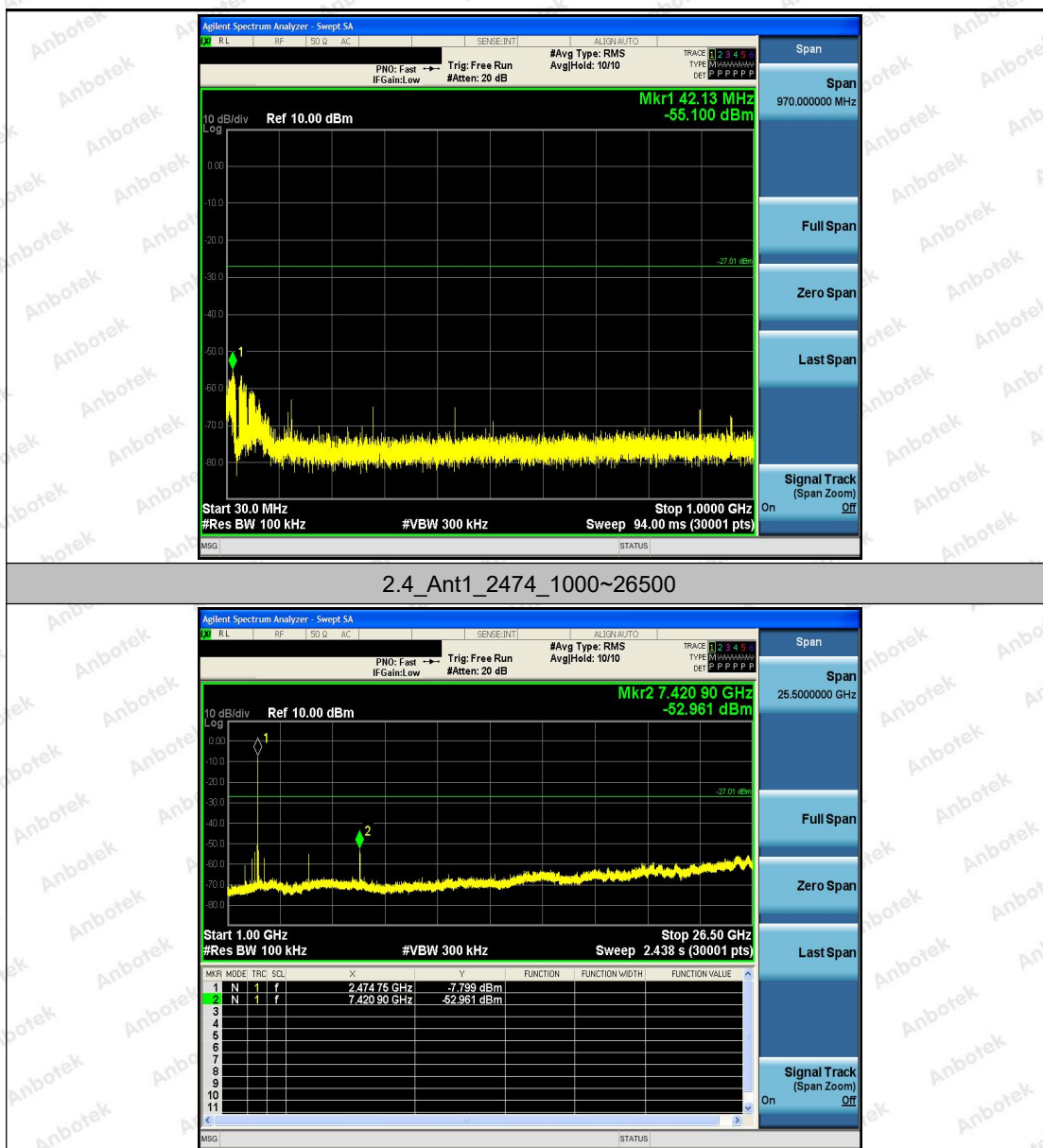
2.4_Ant1_2440_1000~26500



2.4_Ant1_2474_0~Reference



2.4_Ant1_2474_30~1000

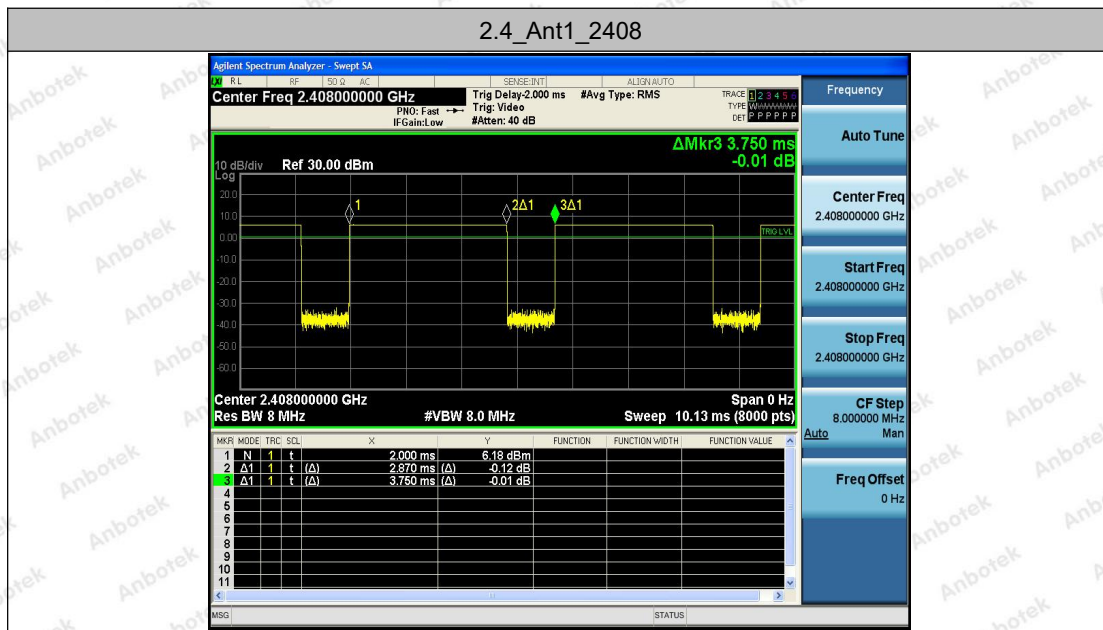


Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
2.4G	Ant1	2408	2.87	3.75	0.7653	76.53	1.16	---	PASS

Test Graphs



---End---