

Appendix Test Data

Report No.:	18220WC20055801	Test Sample No.:	1-2-2
Start Test Date:	2022.3.24	Finish Test Date:	2022.3.29
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56 %
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	2408	2.050	2406.995	2409.045	---	PASS
		2440	2.050	2438.995	2441.045	---	PASS
		2474	2.050	2472.995	2475.045	---	PASS

Test Graphs

2.4_Ant1_2408



2.4_Ant1_2440



2.4_Ant1_2474



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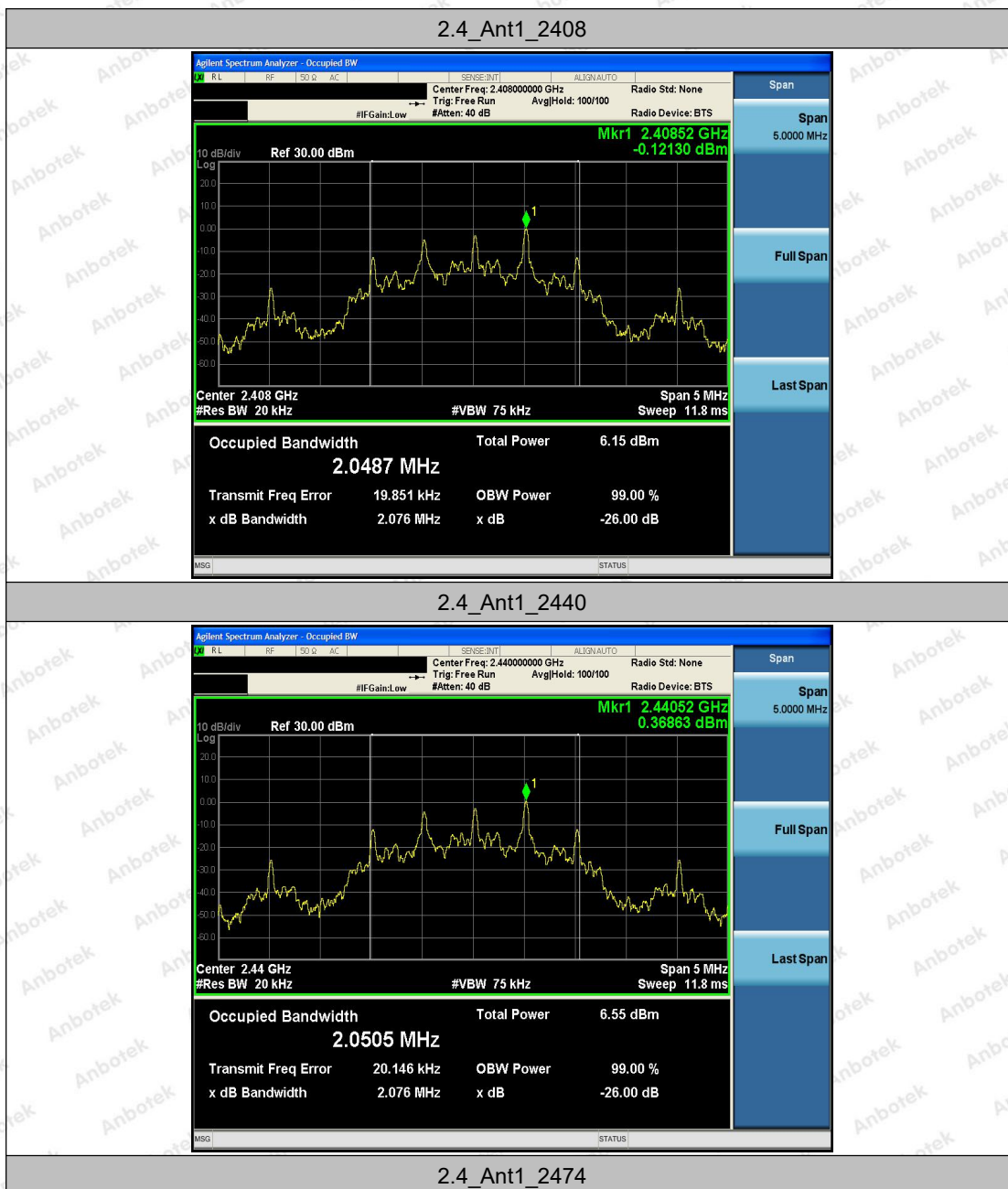
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2408	2.0487	2406.99 6	2409.044	---	PASS
		2440	2.0505	2438.99 5	2441.045	---	PASS
		2474	2.0535	2472.99 4	2475.047	---	PASS

Test Graphs

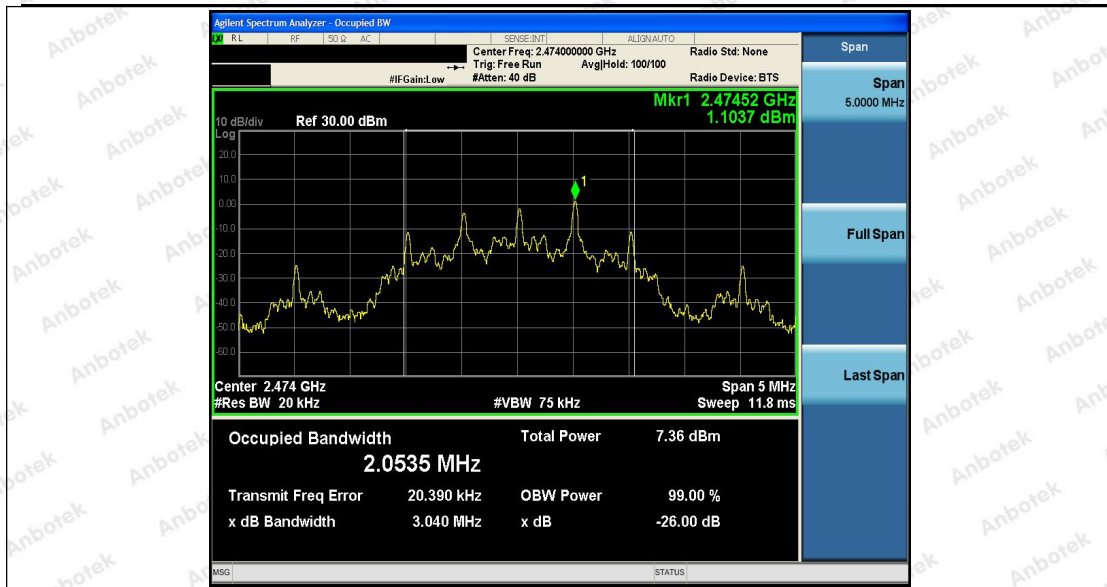


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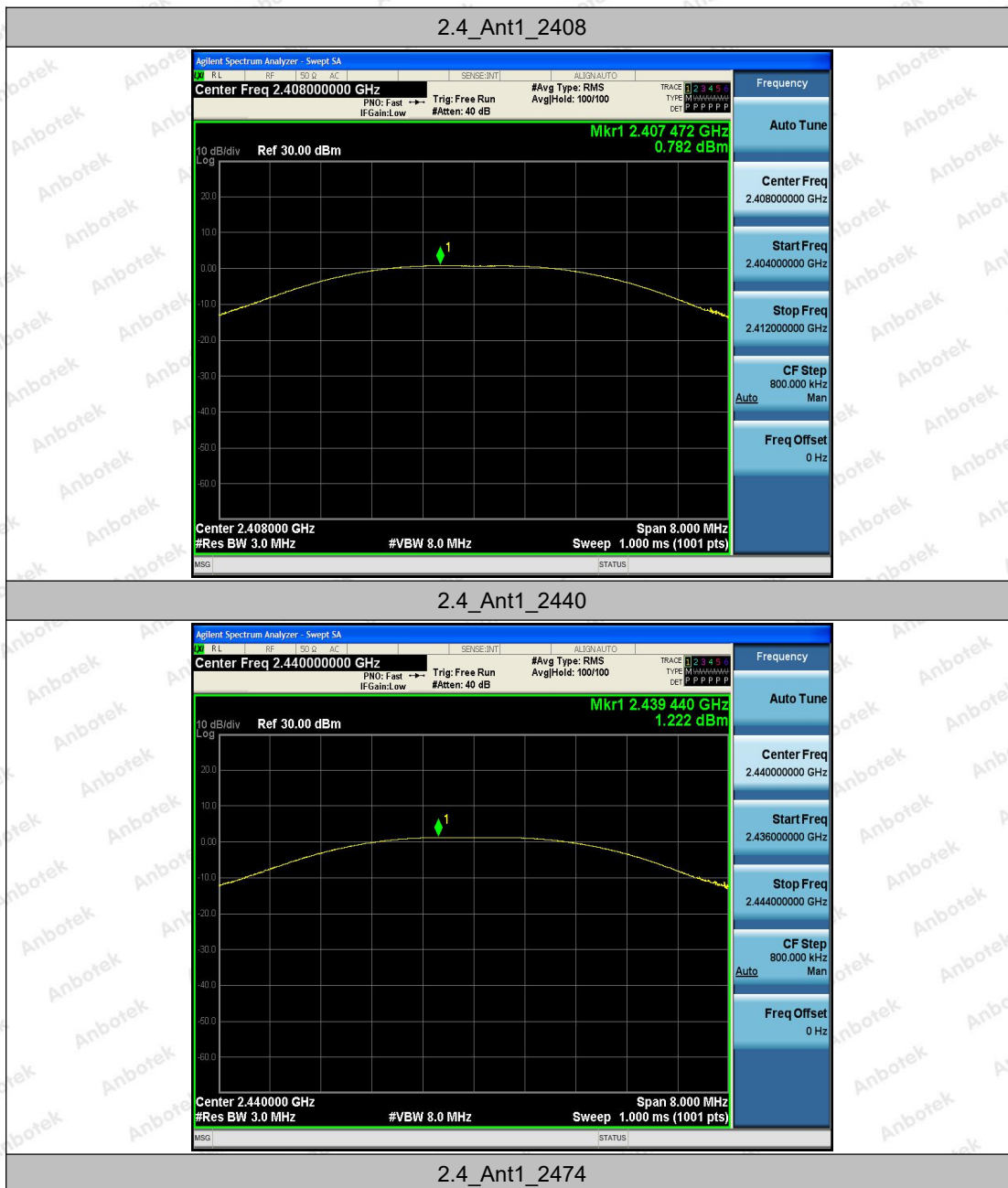
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2408	0.78	≤20.98	PASS
		2440	1.22	≤20.98	PASS
		2474	1.91	≤20.98	PASS

Test Graphs

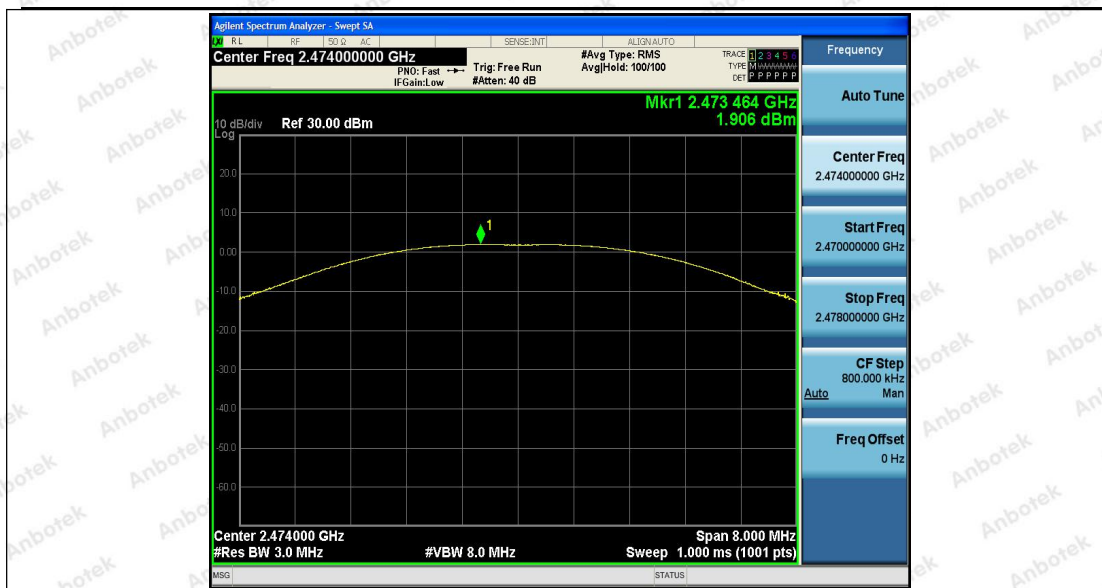


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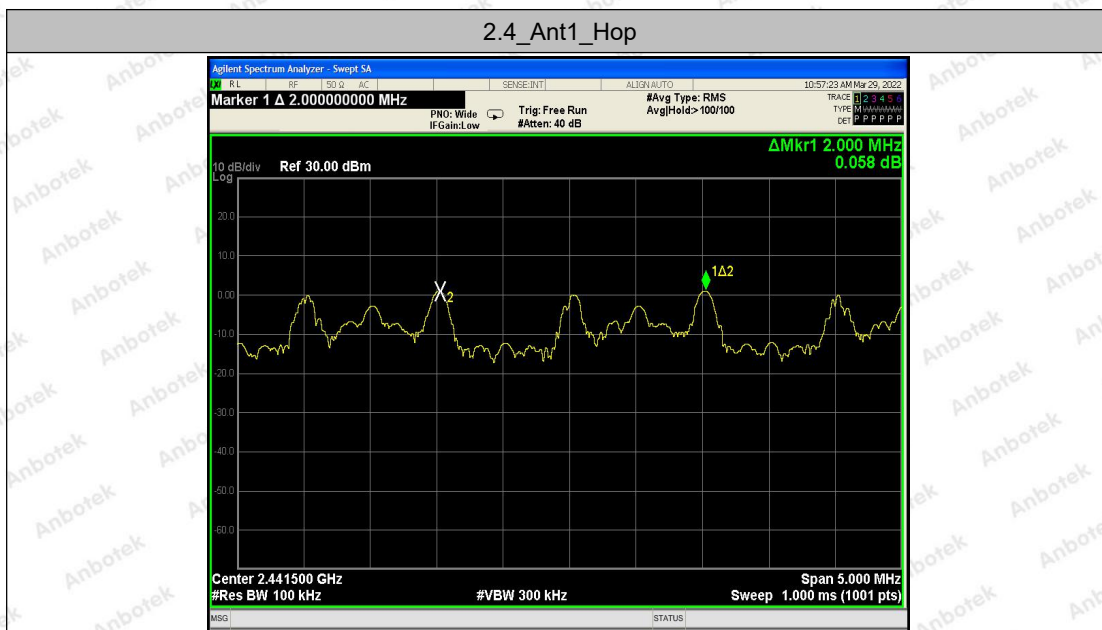
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	2.00	≥ 1.367	PASS

Test Graphs



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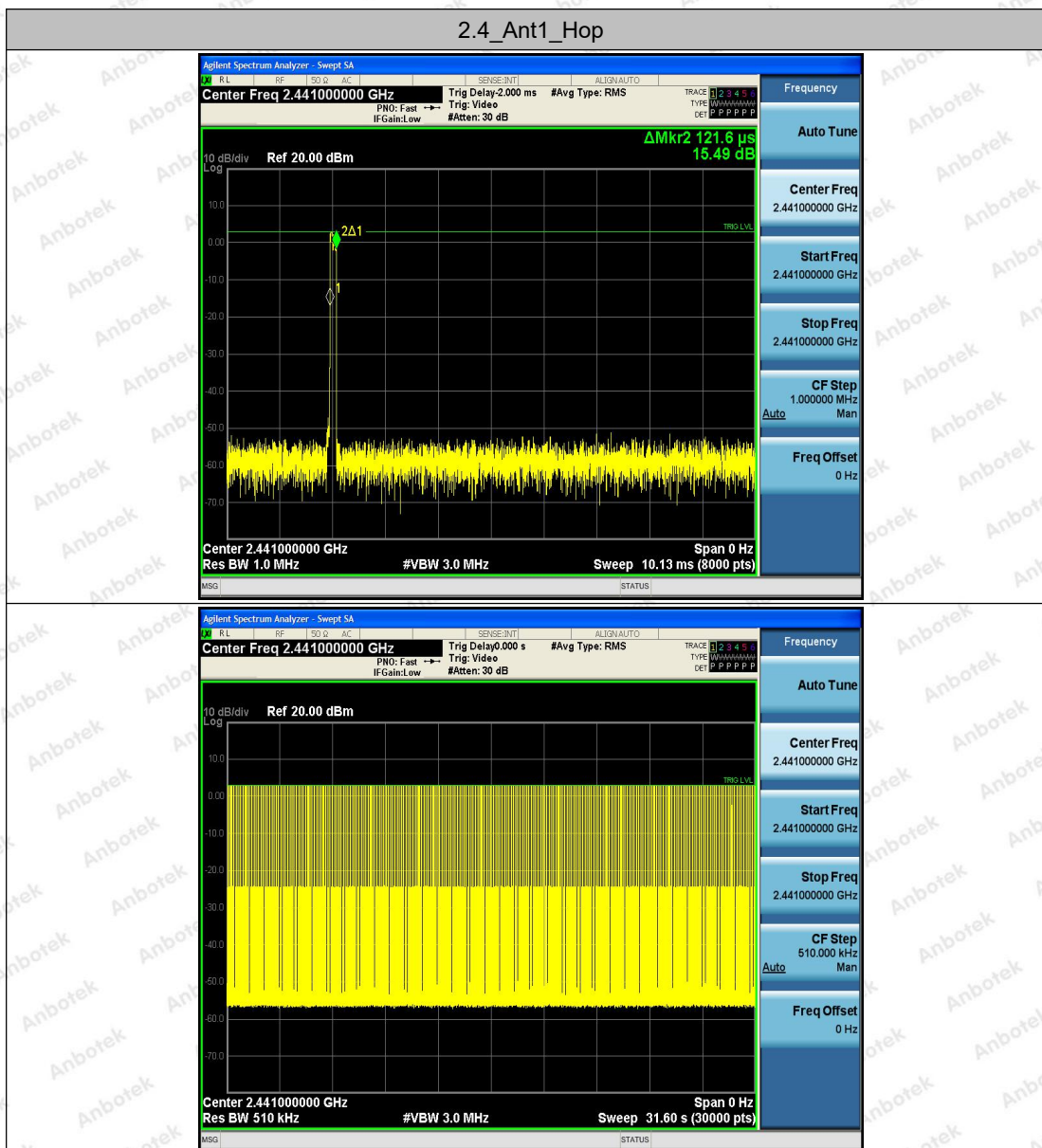
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	0.12	498	0.061	≤0.4	PASS

Test Graphs



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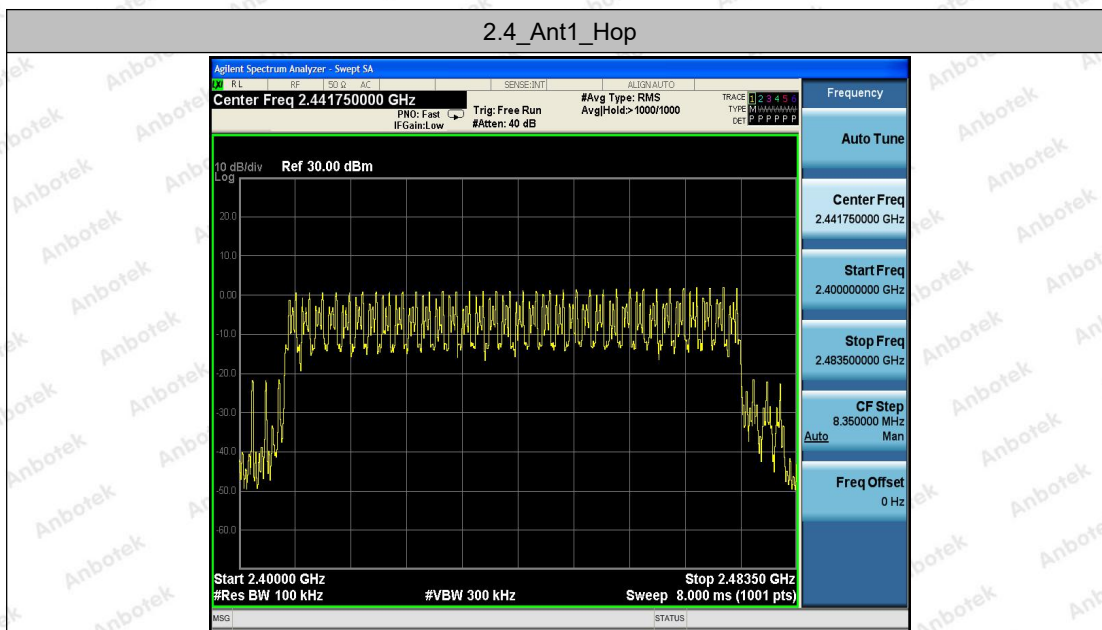
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4	Ant1	Hop	34	≥15	PASS

Test Graphs



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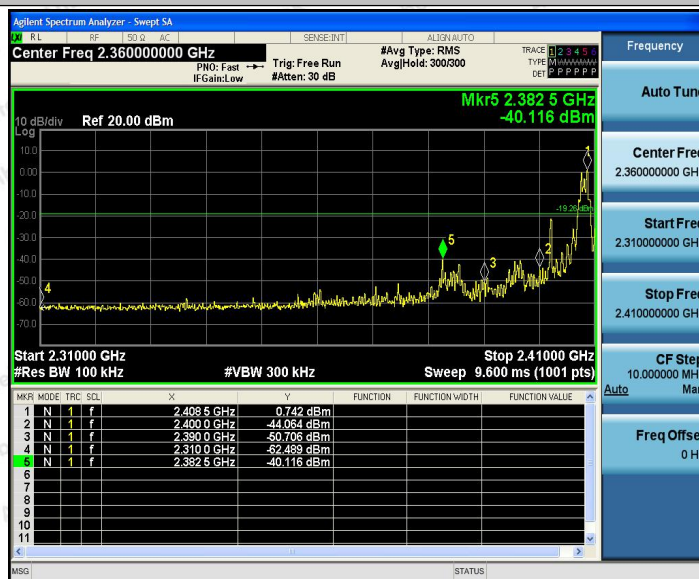
Appendix G: Band edge measurements

Test Result

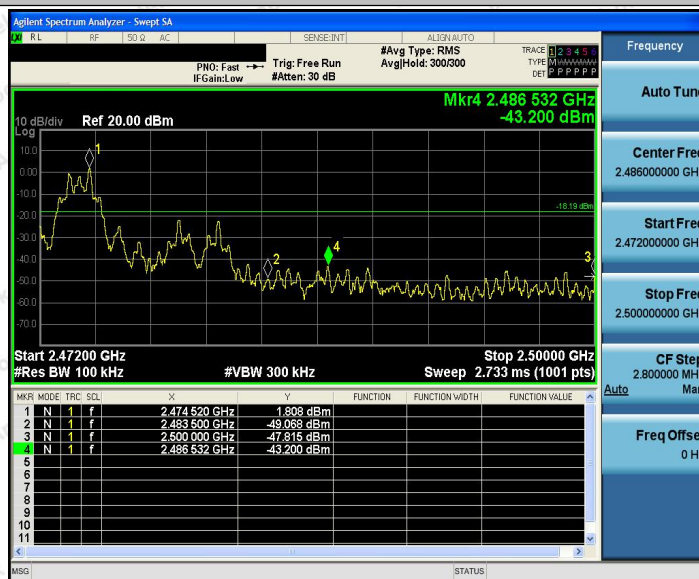
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2408	0.74	-40.12	≤ -19.26	PASS
		High	2474	1.81	-43.2	≤ -18.19	PASS
		Low	Hop	0.50	-40.37	≤ -19.5	PASS
		High	Hop	1.93	-49.07	≤ -18.07	PASS

Test Graphs

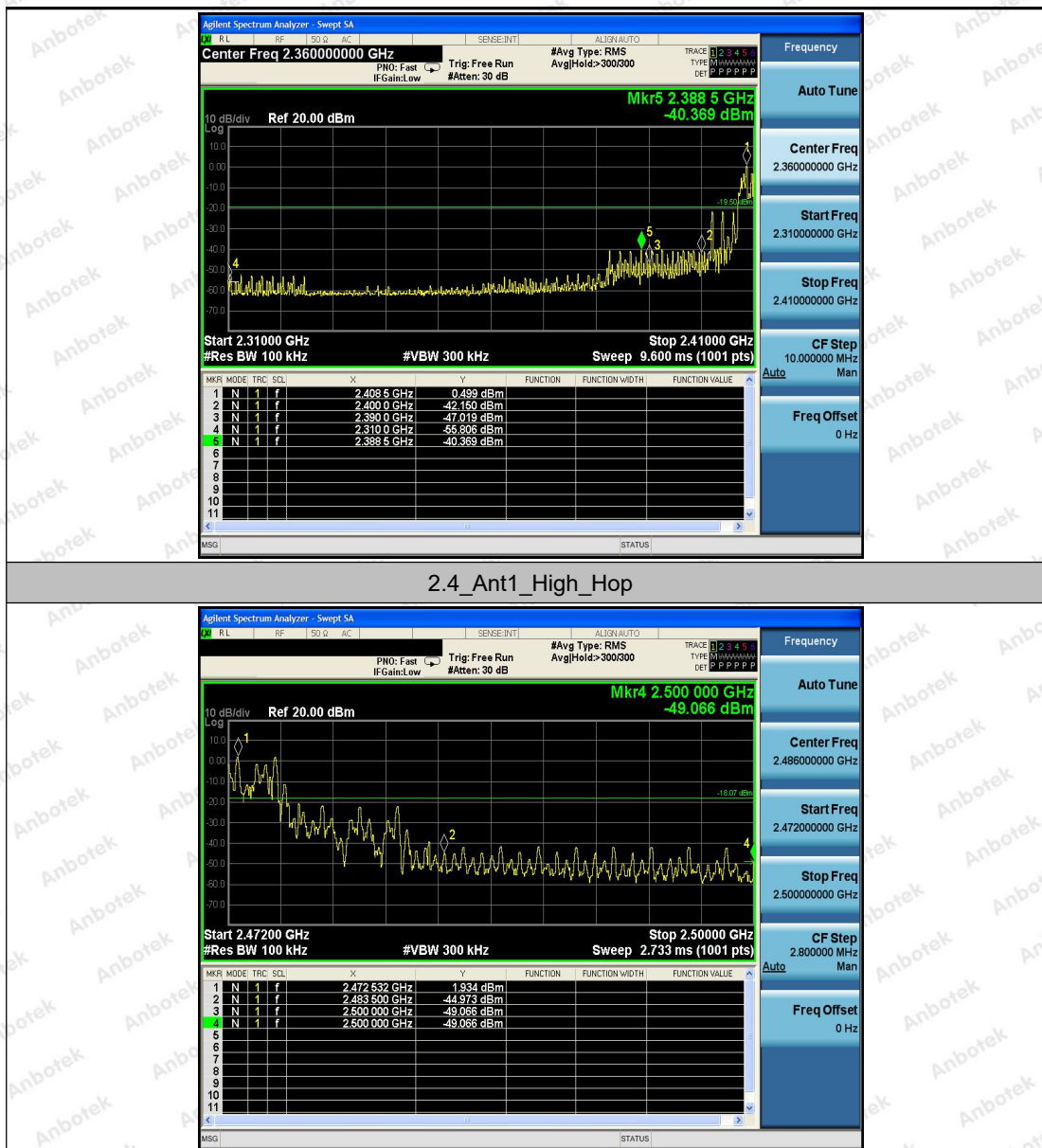
2.4_Ant1_Low_2408



2.4_Ant1_High_2474



2.4_Ant1_Low_Hop



Appendix H: Conducted Spurious Emission

Test Result

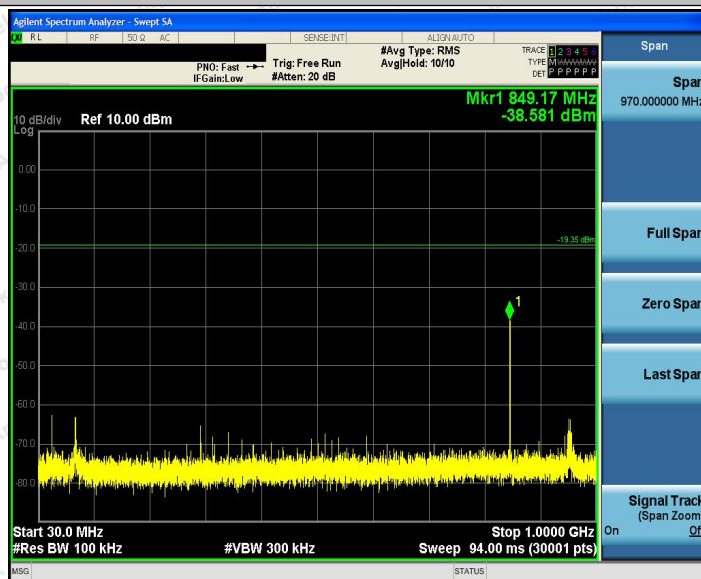
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2408	Reference	0.65	0.65	---	PASS
			30~1000	0.65	-38.58	≤-19.35	PASS
			1000~26500	0.65	-32.73	≤-19.35	PASS
		2440	Reference	1.13	1.13	---	PASS
			30~1000	1.13	-46.72	≤-18.87	PASS
			1000~26500	1.13	-32.26	≤-18.87	PASS
		2474	Reference	1.85	1.85	---	PASS
			30~1000	1.85	-49.26	≤-18.15	PASS
			1000~26500	1.85	-33.54	≤-18.15	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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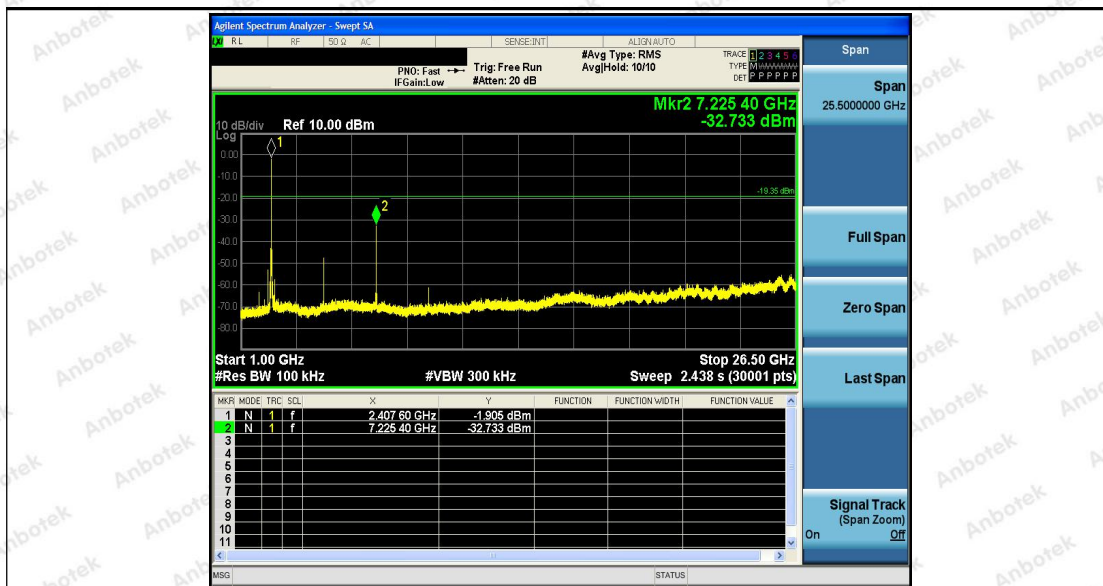
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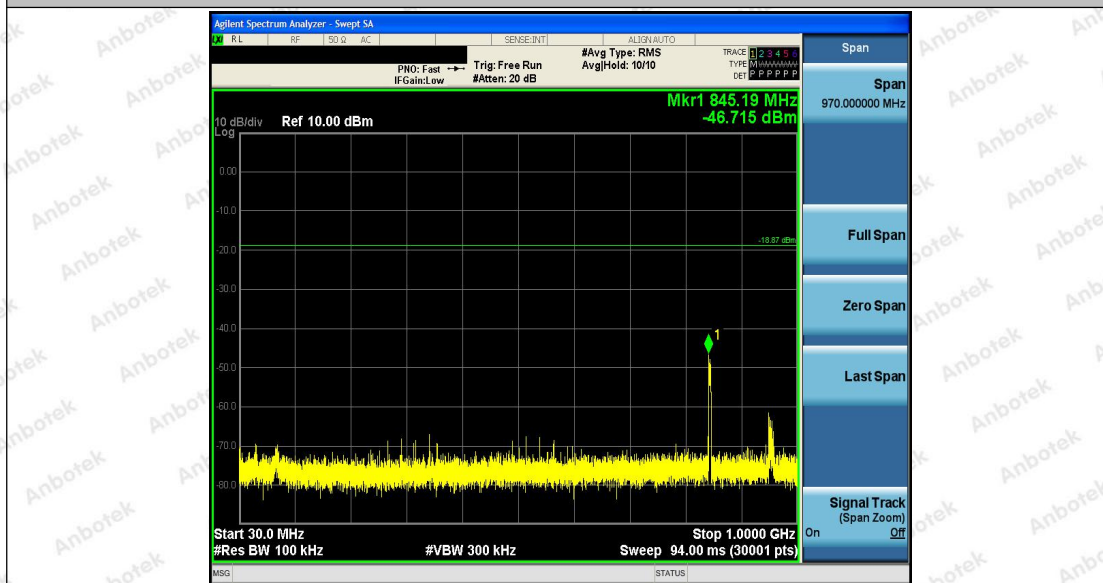
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2.4_Ant1_2440_0~Reference



2.4_Ant1_2440_30~1000



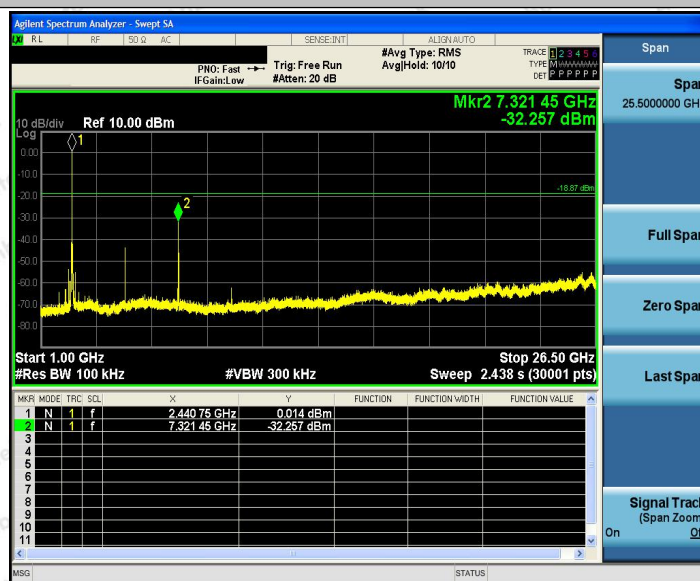
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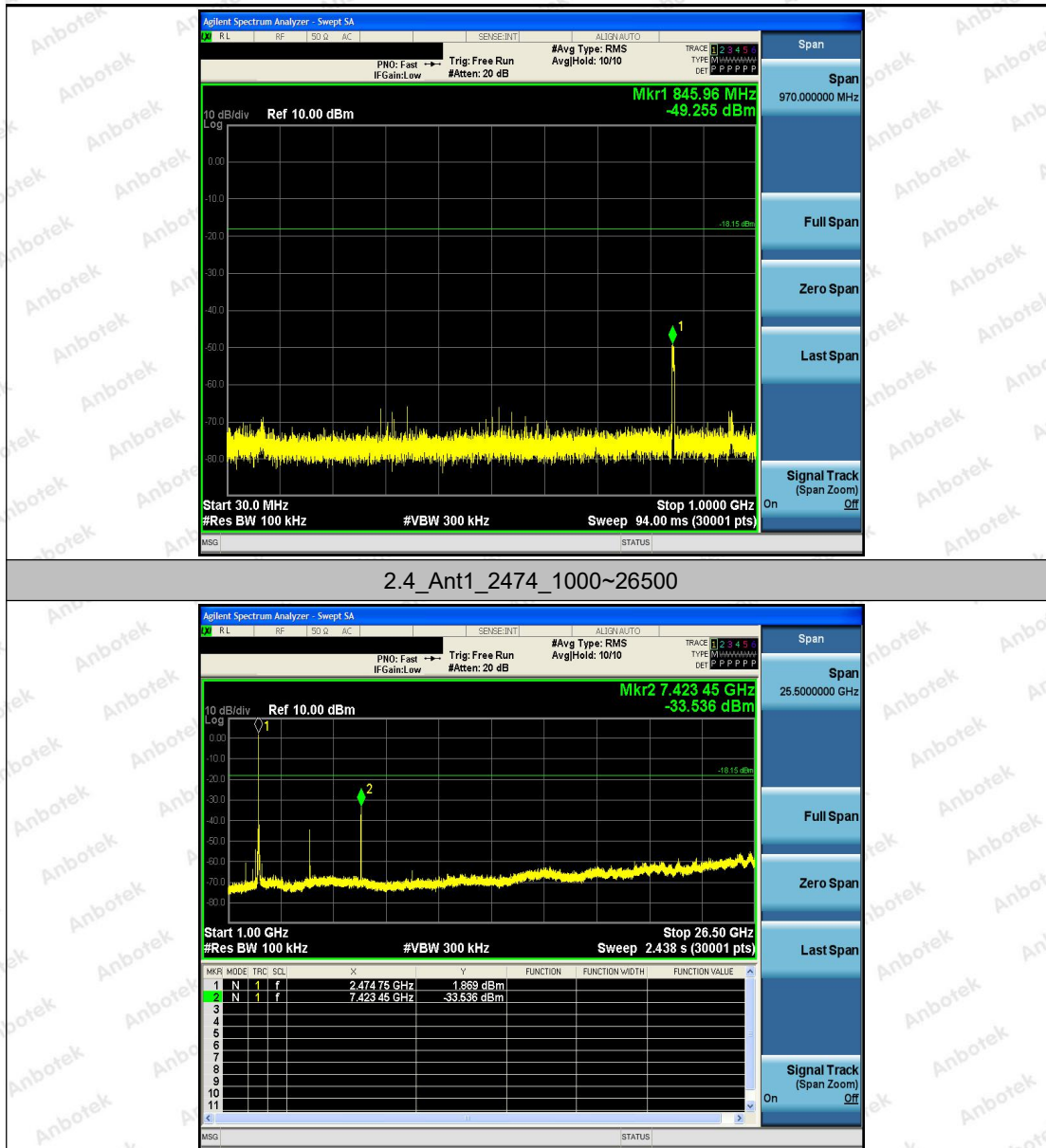
2.4_Ant1_2440_1000~26500



2.4_Ant1_2474_0~Reference



2.4_Ant1_2474_30~1000

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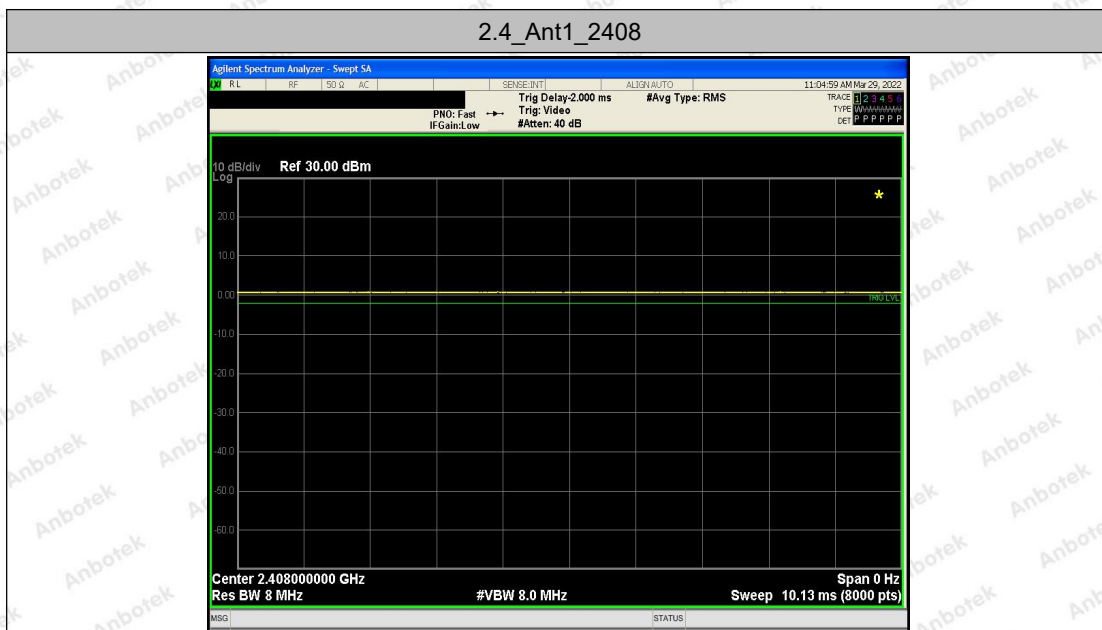
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2408	10.13	10.13	1	100%	0	---	PASS

Test Graphs



---End---