

Appendix Test Data

Report No.:	18220WC20106801	Test Sample No.:	1-2-2
Start Test Date:	2022.5.17	Finish Test Date:	2022.5.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.2%
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	2408	1.320	2407.405	2408.725	---	PASS
		2440	1.670	2439.005	2440.675	---	PASS
		2474	1.265	2473.410	2474.675	---	PASS

Test Graphs

2.4_Ant1_2408



2.4_Ant1_2440



2.4_Ant1_2474



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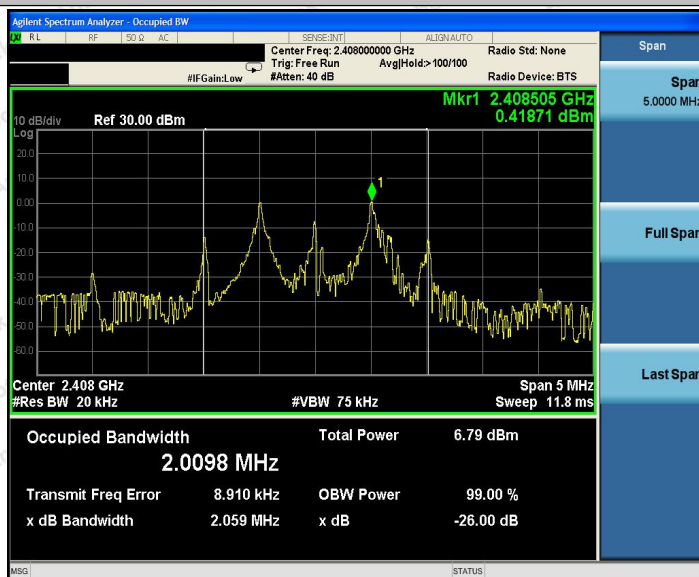
Appendix B: Occupied Channel Bandwidth

Test Result

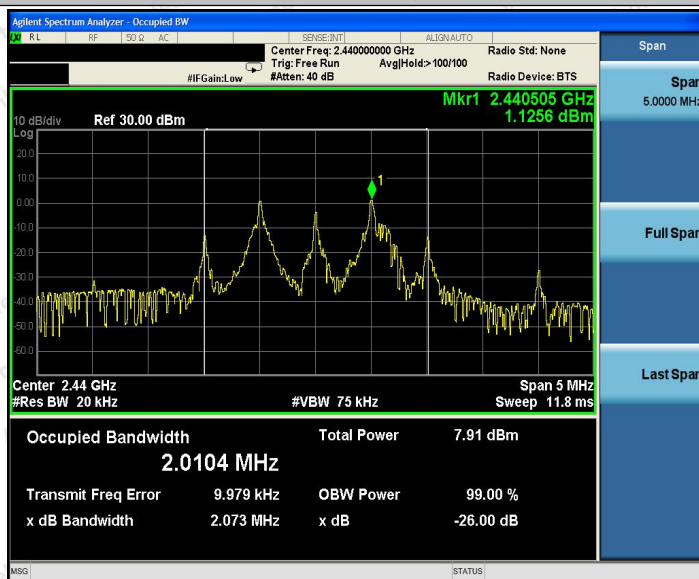
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2408	2.0098	2407.004	2409.014	---	PASS
		2440	2.0104	2439.012	2441.022	---	PASS
		2474	1.9889	2473.025	2475.014	---	PASS

Test Graphs

2.4_Ant1_2408



2.4_Ant1_2440



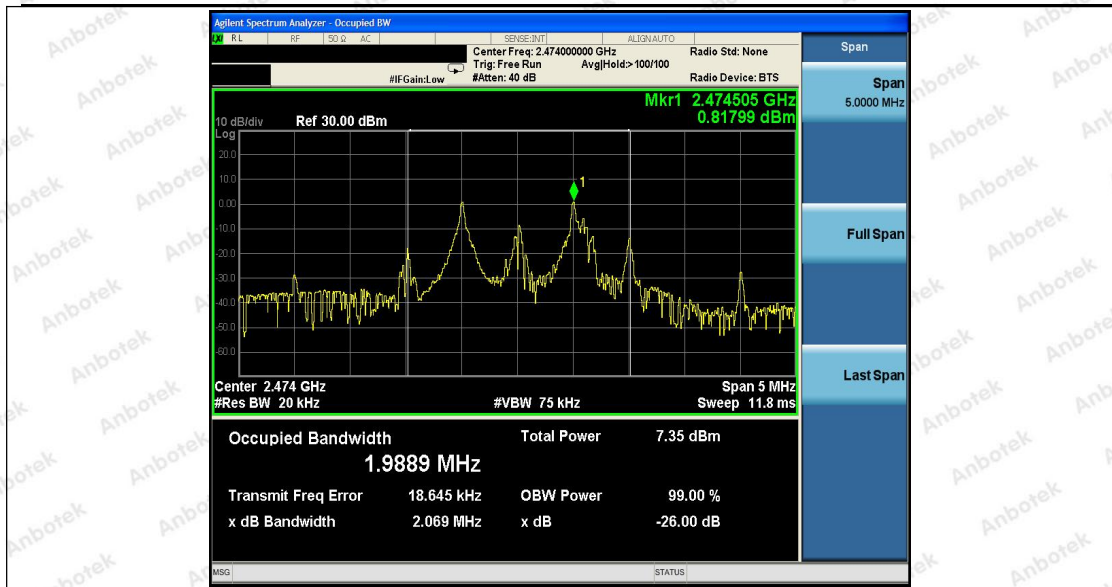
2.4_Ant1_2474

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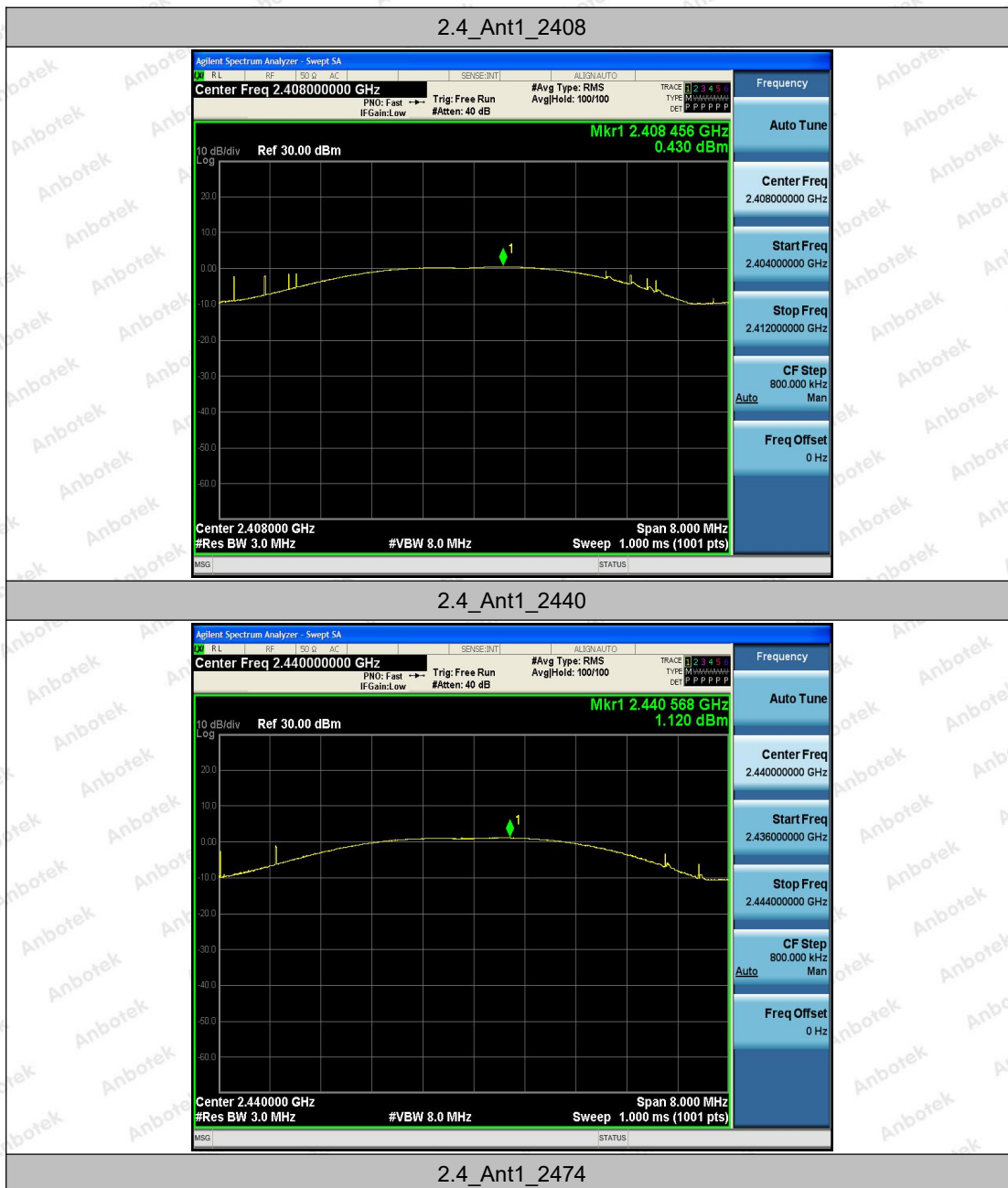
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2408	0.43	≤20.97	PASS
		2440	1.12	≤20.97	PASS
		2474	0.74	≤20.97	PASS

Test Graphs



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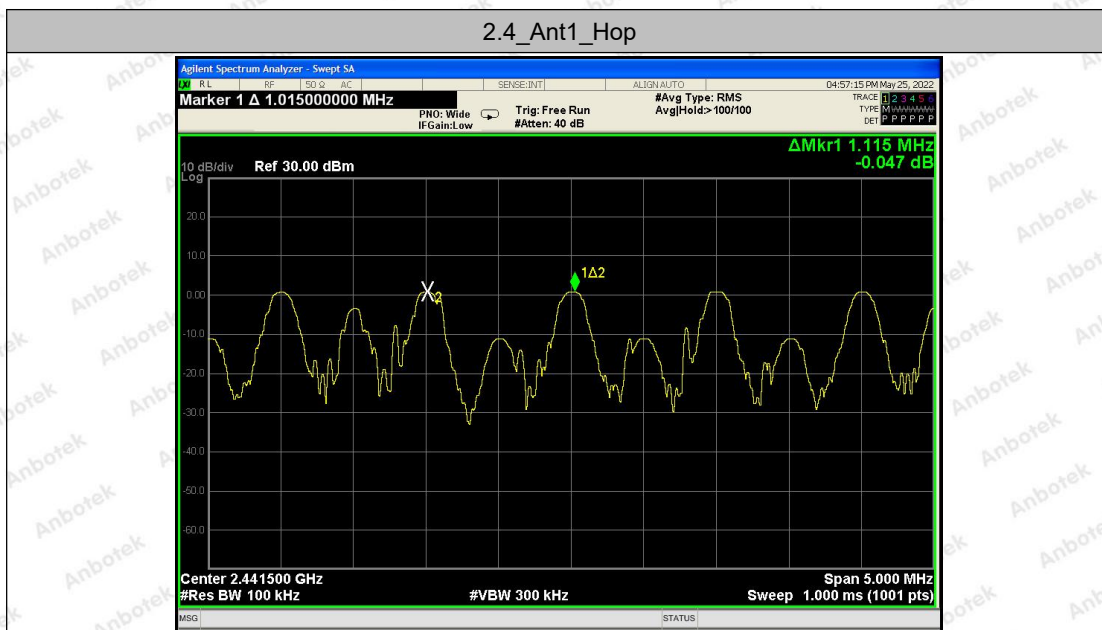
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	1.115	≥ 1.113	PASS

Test Graphs



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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.99	28	0.03	≤0.4	PASS

Test Graphs



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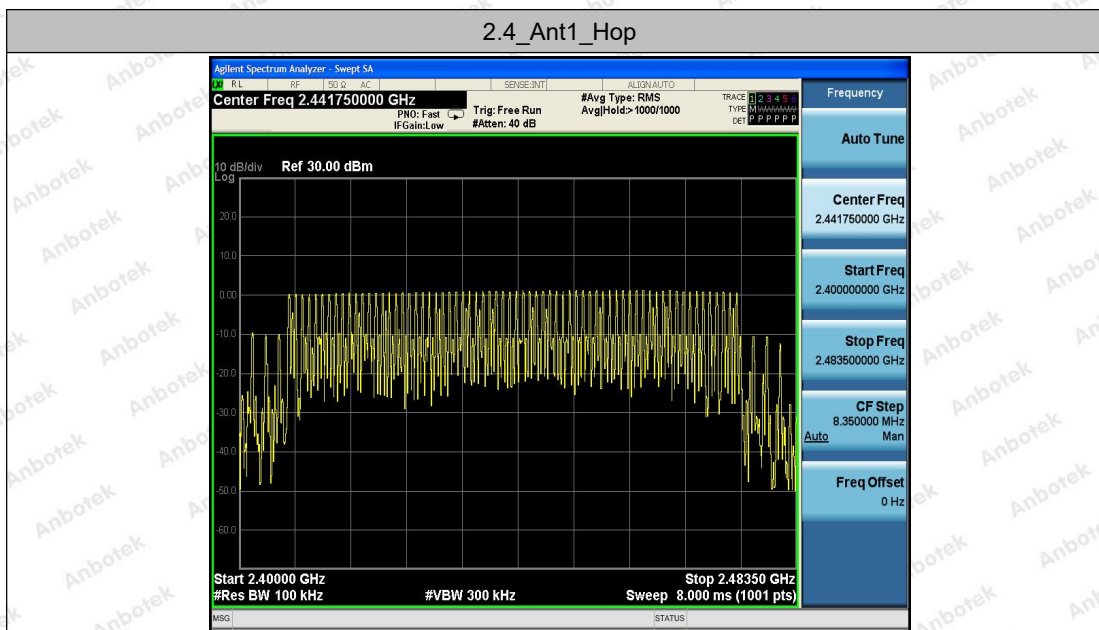
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



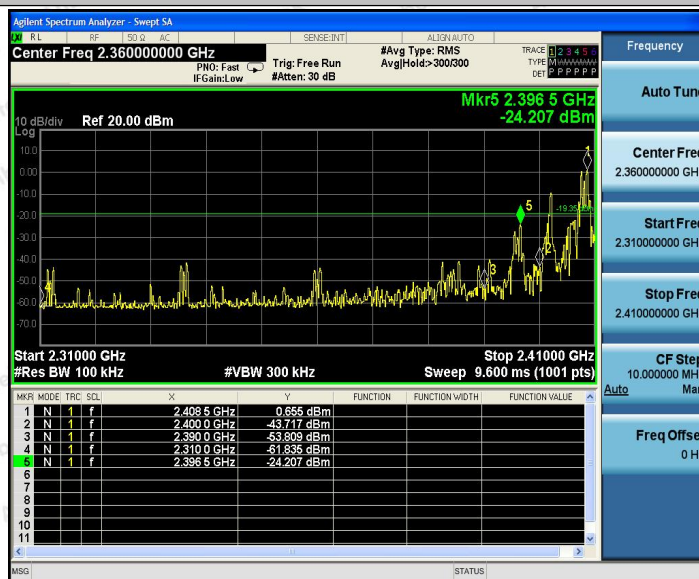
Appendix G: Band edge measurements

Test Result

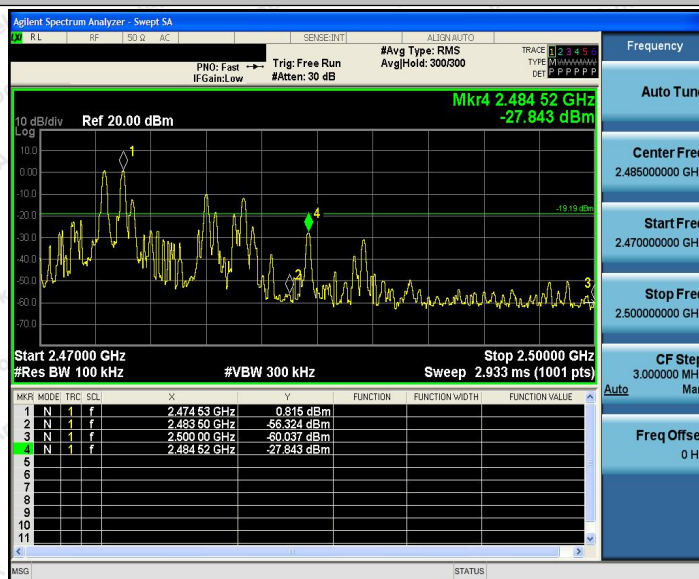
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2408	0.66	-24.21	≤-19.35	PASS
		High	2474	0.82	-27.84	≤-19.19	PASS
		Low	Hop	0.23	-40.33	≤-19.77	PASS
		High	Hop	0.69	-56.86	≤-19.31	PASS

Test Graphs

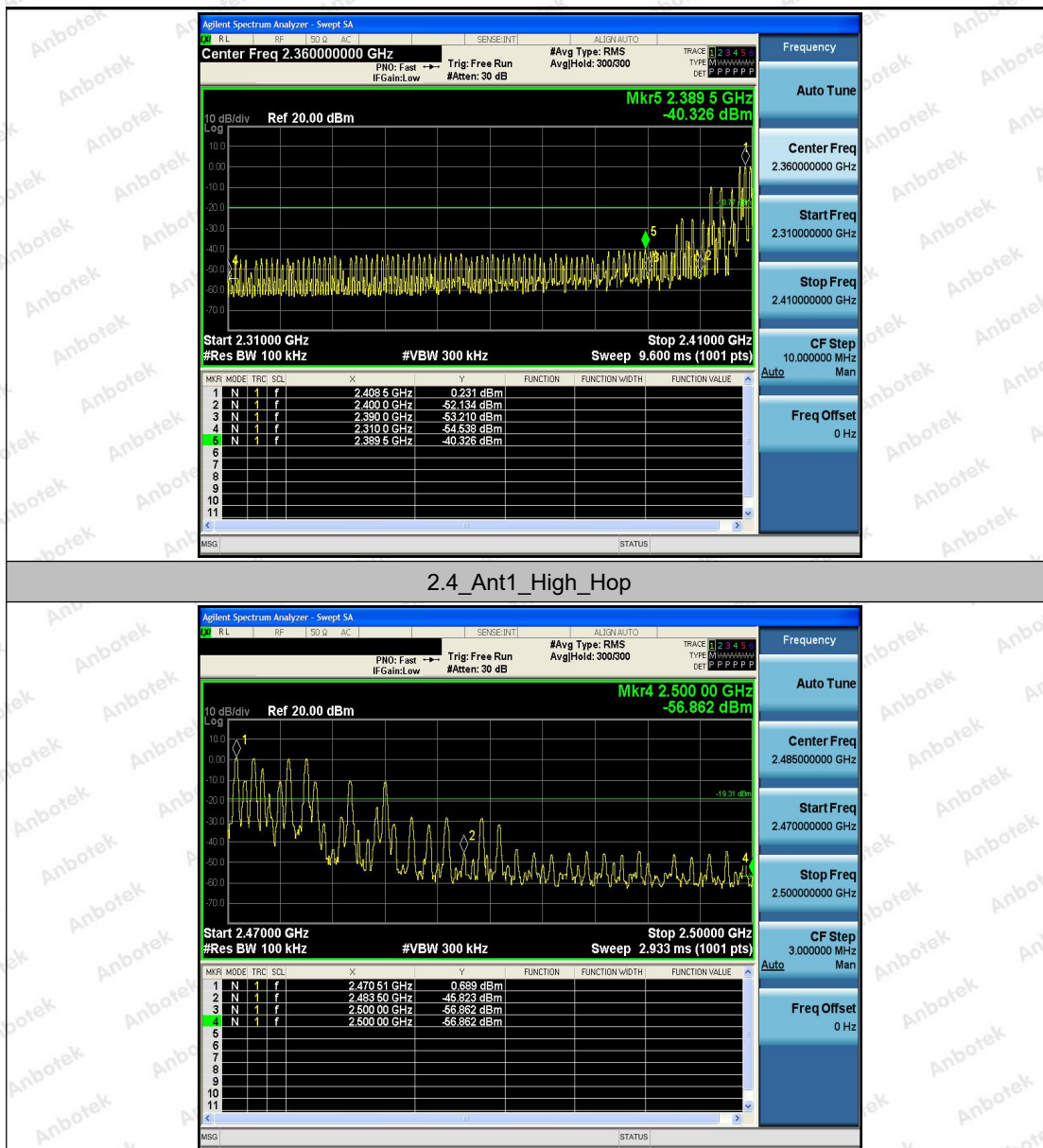
2.4_Ant1_Low_2408



2.4_Ant1_High_2474



2.4_Ant1_Low_Hop



Appendix H: Conducted Spurious Emission

Test Result

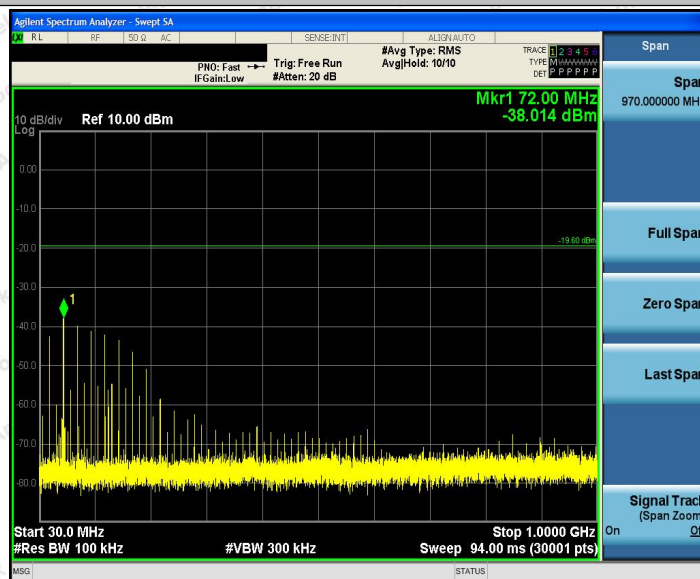
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2408	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-38.01	≤-19.6	PASS
			1000~26500	0.40	-36.84	≤-19.6	PASS
		2440	Reference	1.01	1.01	---	PASS
			30~1000	1.01	-38.67	≤-18.99	PASS
			1000~26500	1.01	-37.09	≤-18.99	PASS
		2474	Reference	0.73	0.73	---	PASS
			30~1000	0.73	-38.57	≤-19.27	PASS
			1000~26500	0.73	-38.35	≤-19.27	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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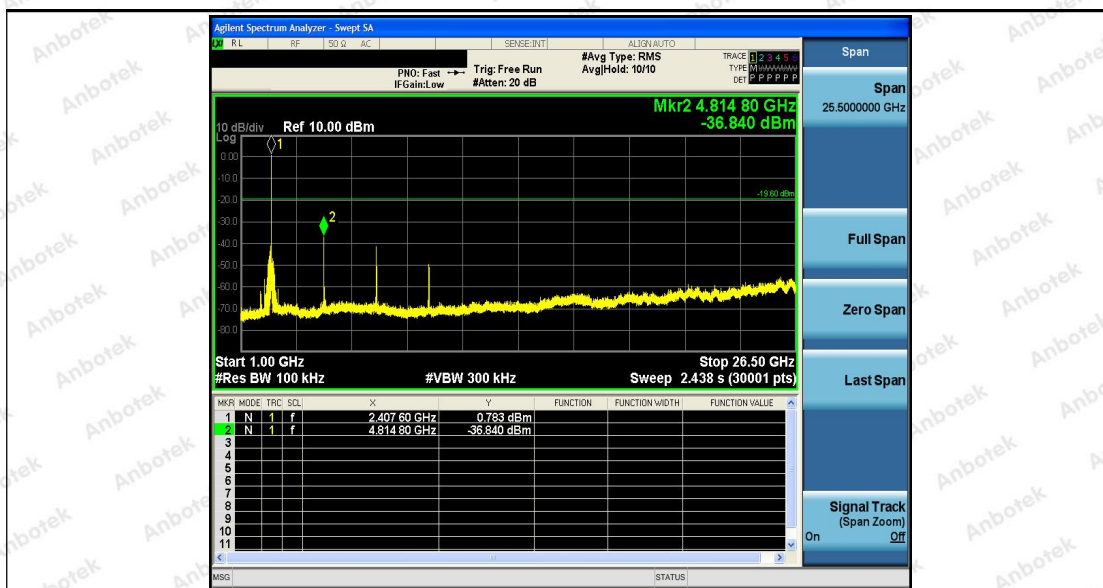
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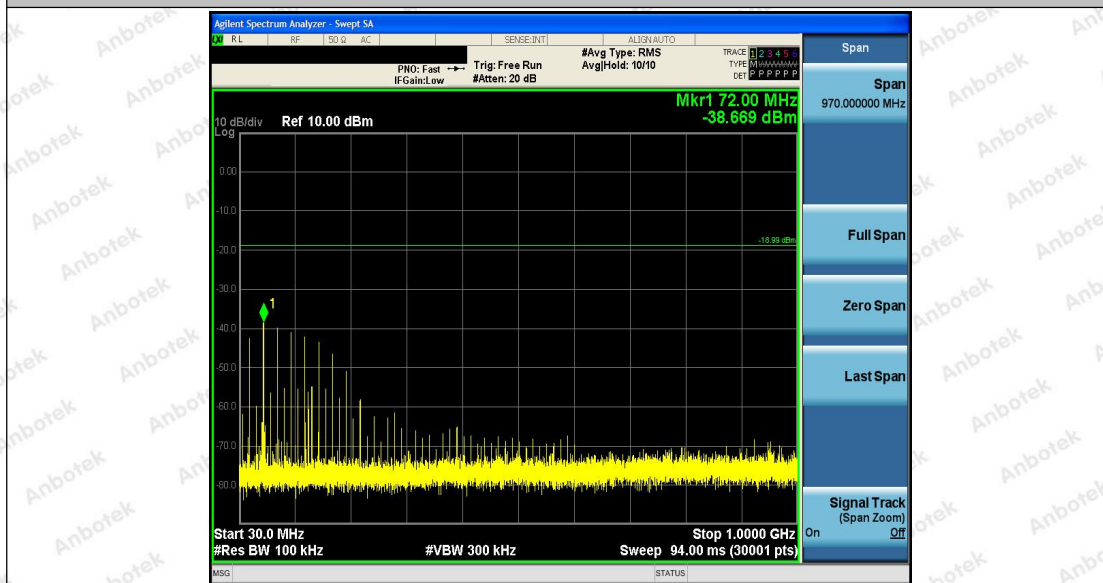
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2.4_Ant1_2440_0~Reference



2.4_Ant1_2440_30~1000



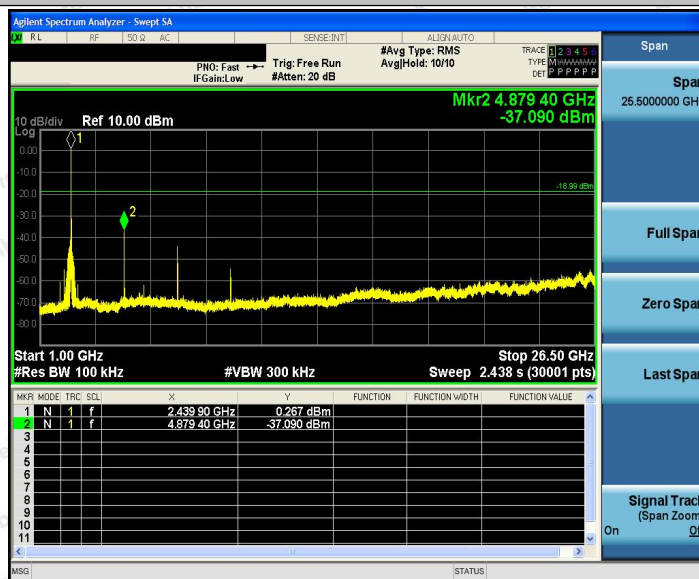
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2.4_Ant1_2440_1000~26500



2.4_Ant1_2474_0~Reference



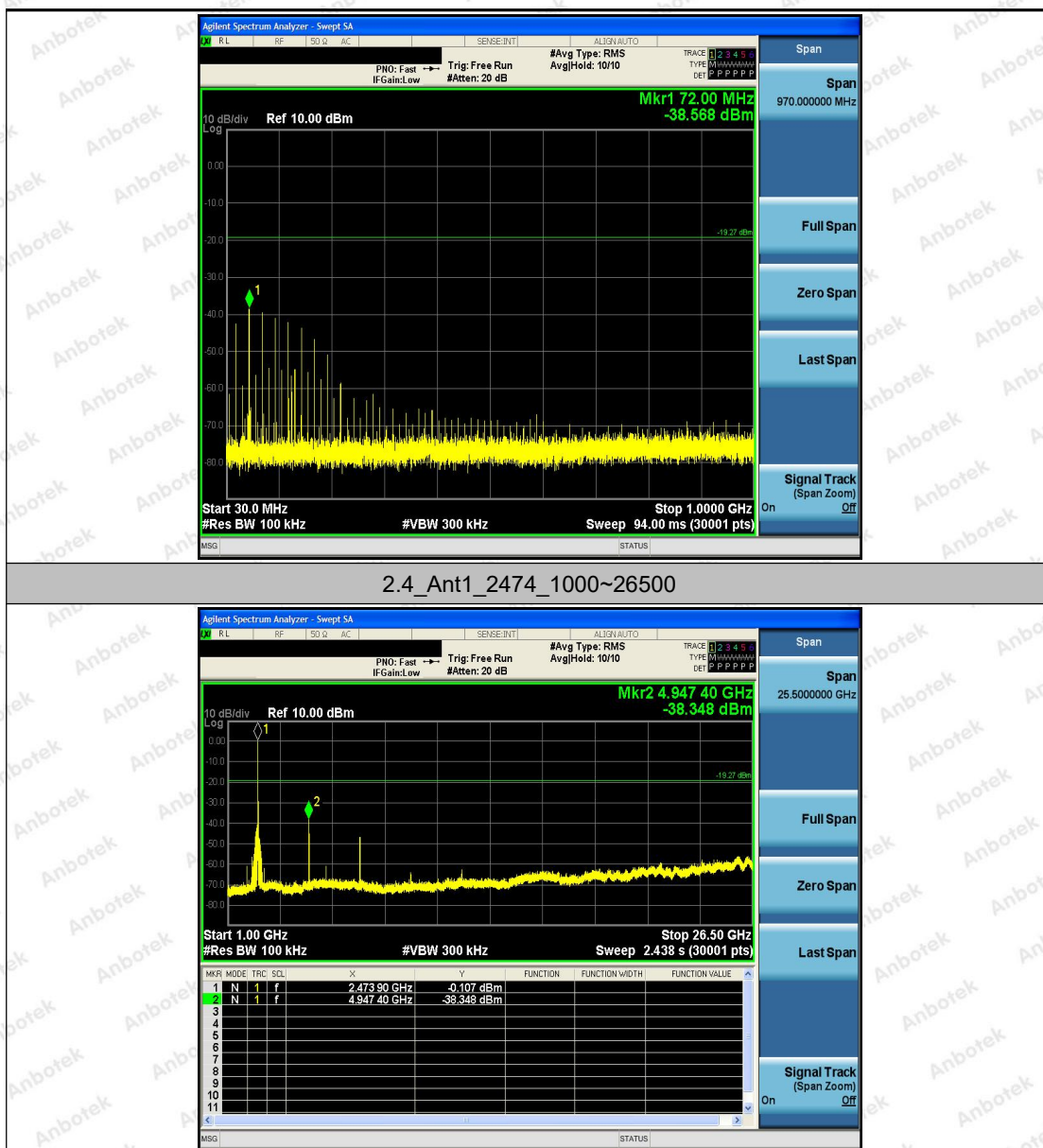
2.4_Ant1_2474_30~1000

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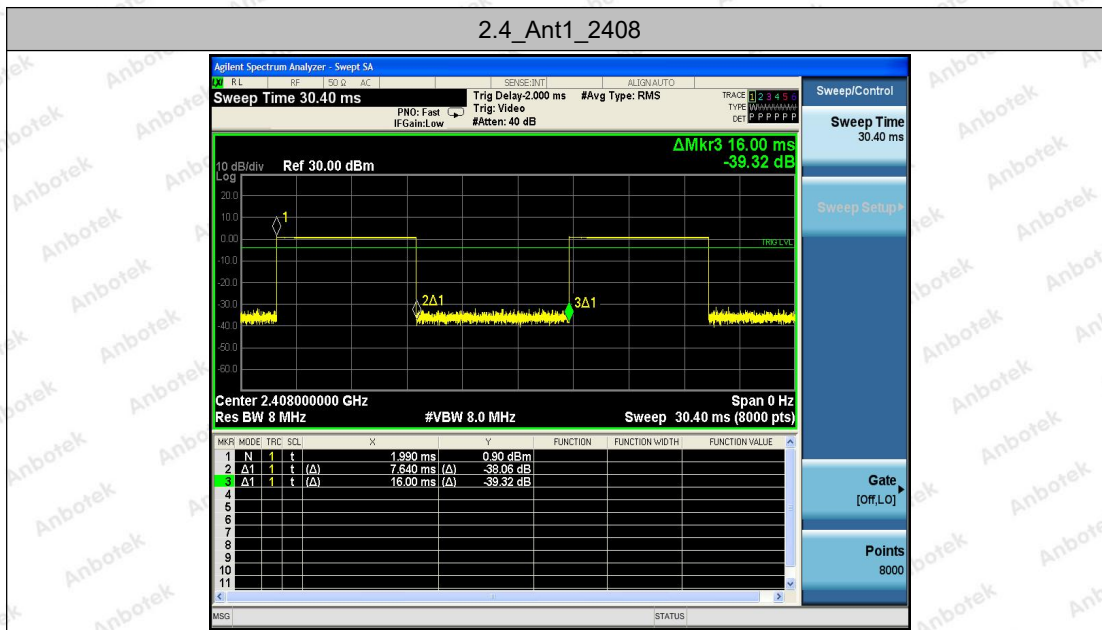
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4G	Ant1	2408	7.64	16.00	0.477 5	47.75	3.21	---	PASS

Test Graphs



---End---