

Appendix Test Data

Report No.:	18220WC20023601	Test Sample No.:	1-2-2
Start Test Date:	2022.2.21	Finish Test Date:	2022.2.23
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
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	1.950	2407.025	2408.975	---	PASS
		2440	1.440	2439.320	2440.760	---	PASS
		2474	1.135	2473.415	2474.550	---	PASS

Test Graphs

2.4_Ant1_2408



2.4_Ant1_2440



2.4_Ant1_2440

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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	2.0028	2406.98 5	2408.988	---	PASS
		2440	2.0612	2438.96 3	2441.025	---	PASS
		2474	2.0101	2472.98 2	2474.992	---	PASS

Test Graphs

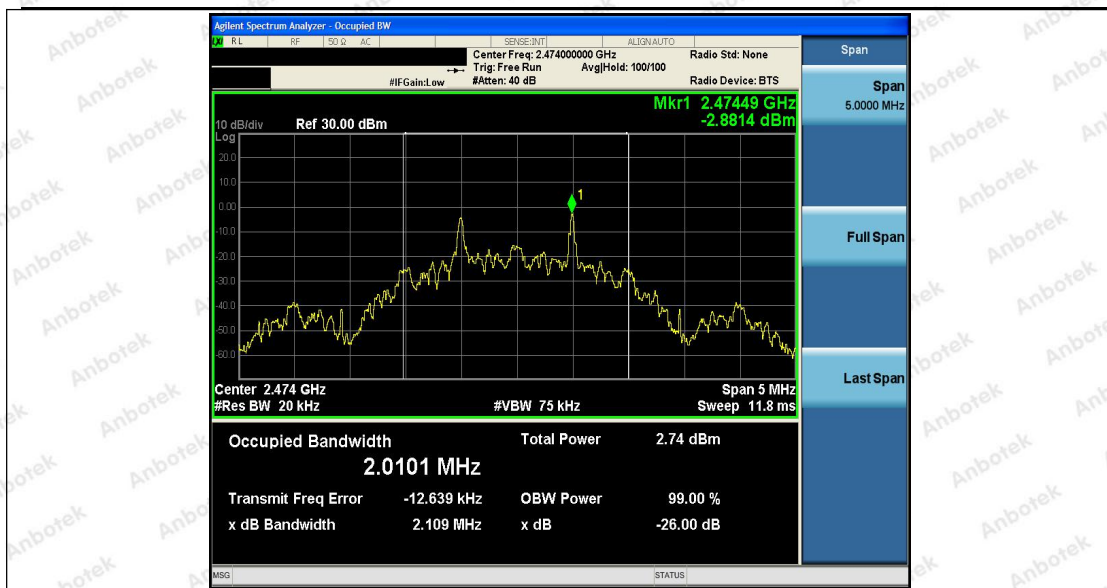


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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2408	-2.66	≤30	PASS
		2440	-3.22	≤30	PASS
		2474	-2.51	≤30	PASS



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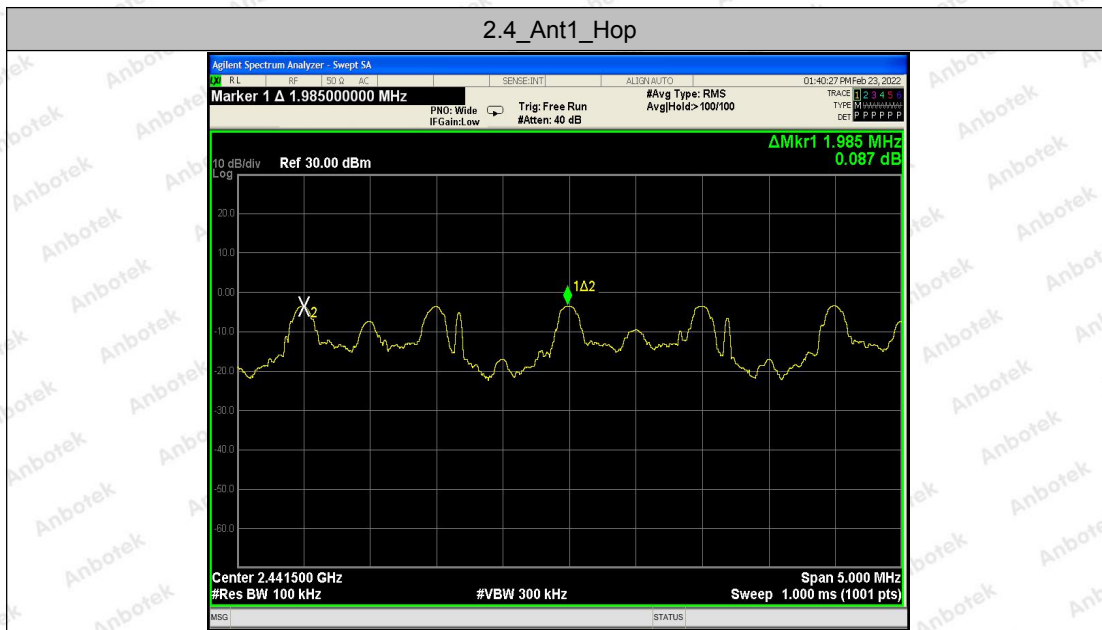
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	1.985	≥1.3	PASS

Test Graphs



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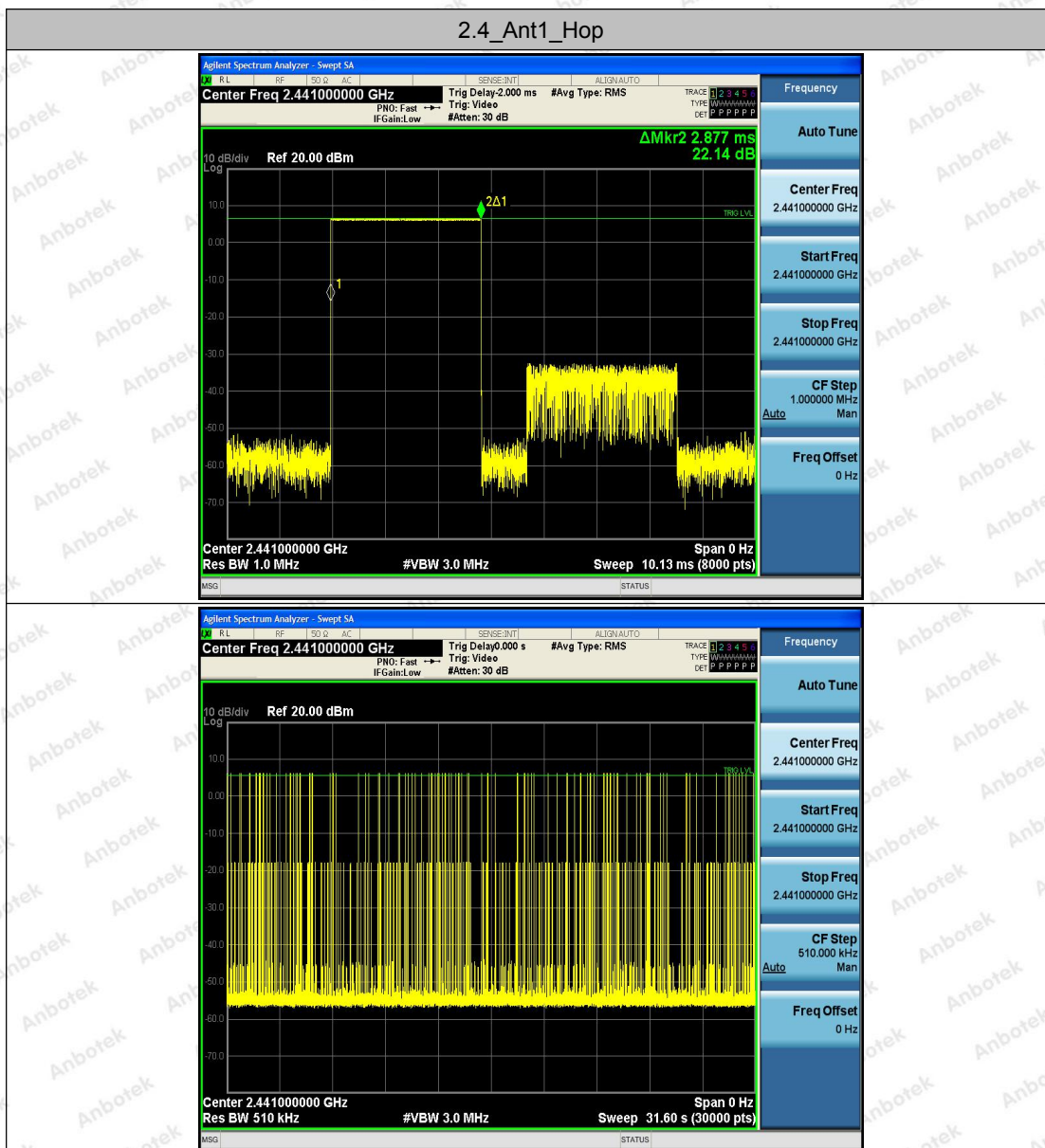
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	2.88	108	0.311	≤0.4	PASS

Test Graphs



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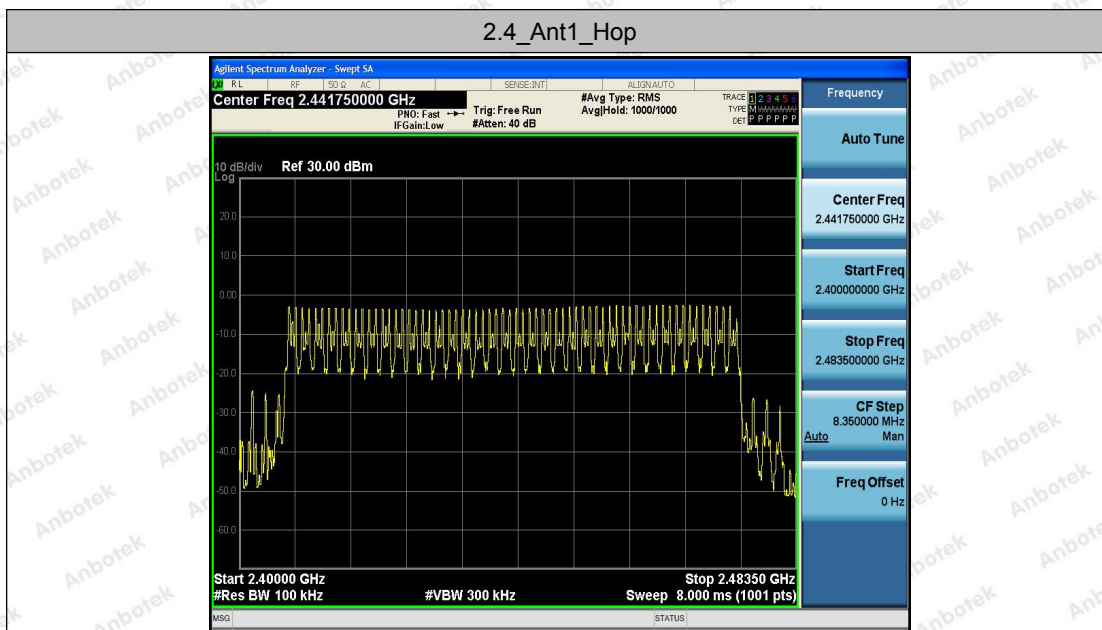
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



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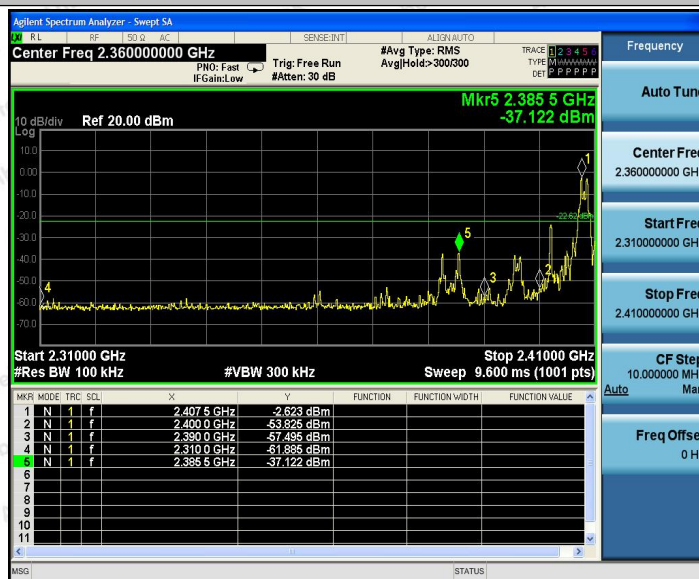
Appendix G: Band edge measurements

Test Result

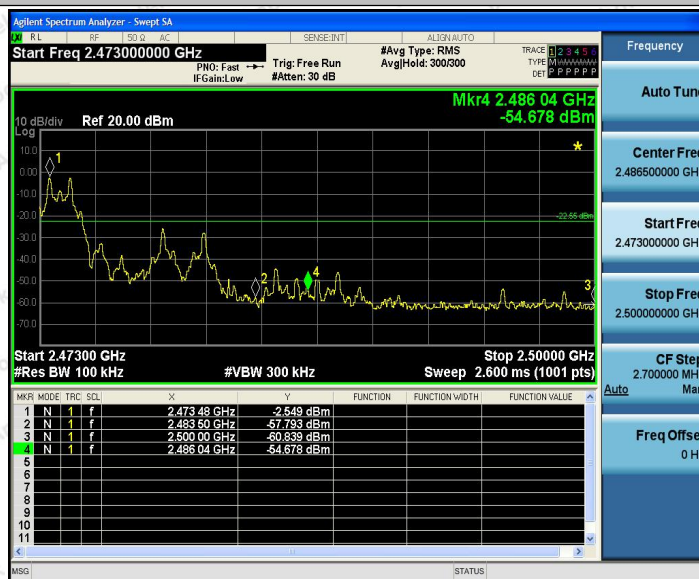
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2408	-2.62	-37.12	≤ -22.62	PASS
		High	2474	-2.55	-54.68	≤ -22.55	PASS
		Low	Hop	-2.89	-36.73	≤ -22.89	PASS
		High	Hop	-2.86	-62.31	≤ -22.86	PASS

Test Graphs

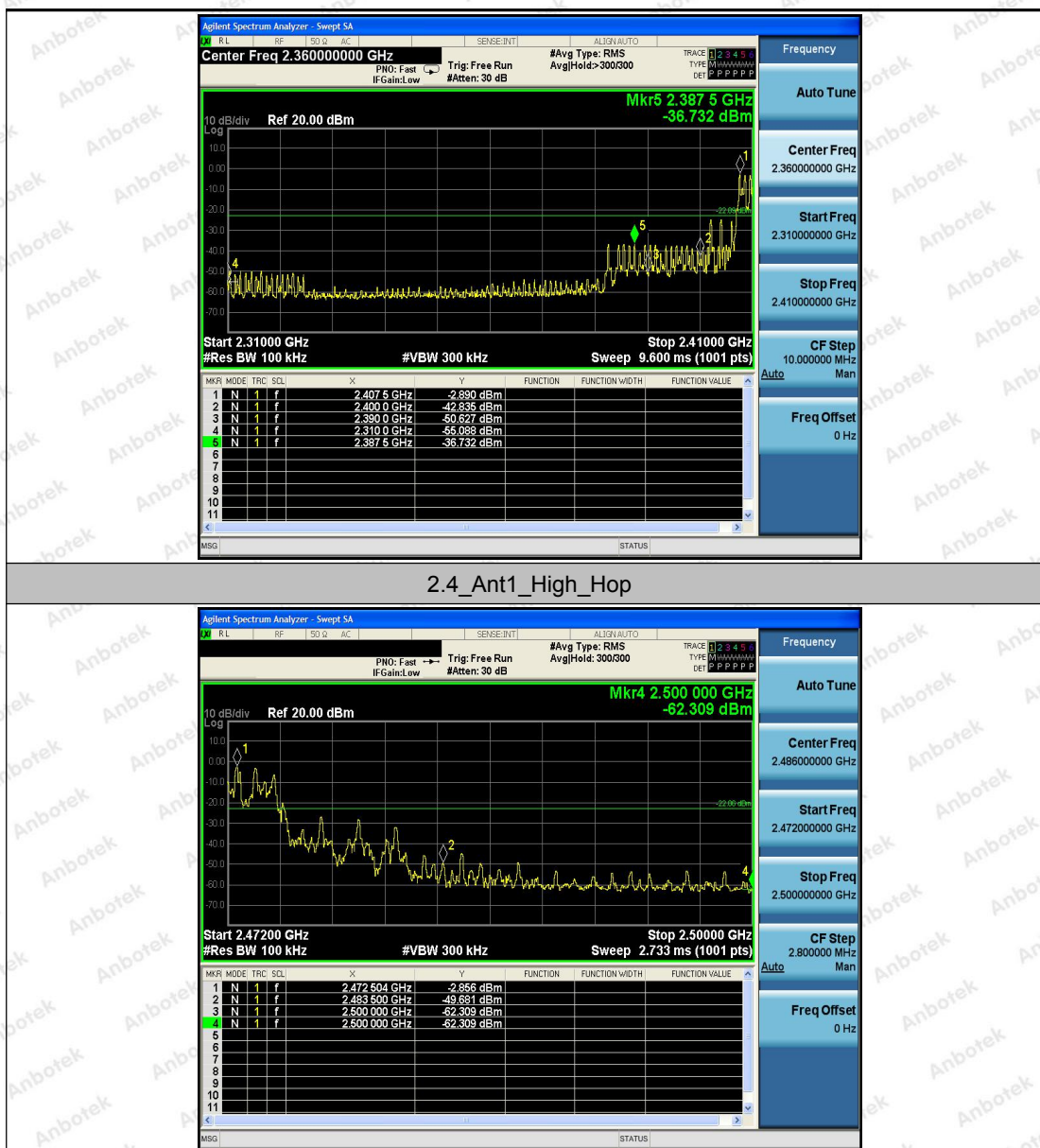
2.4_Ant1_Low_2408



2.4_Ant1_High_2474



2.4_Ant1_Low_Hop



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Appendix H: Conducted Spurious Emission

Test Result

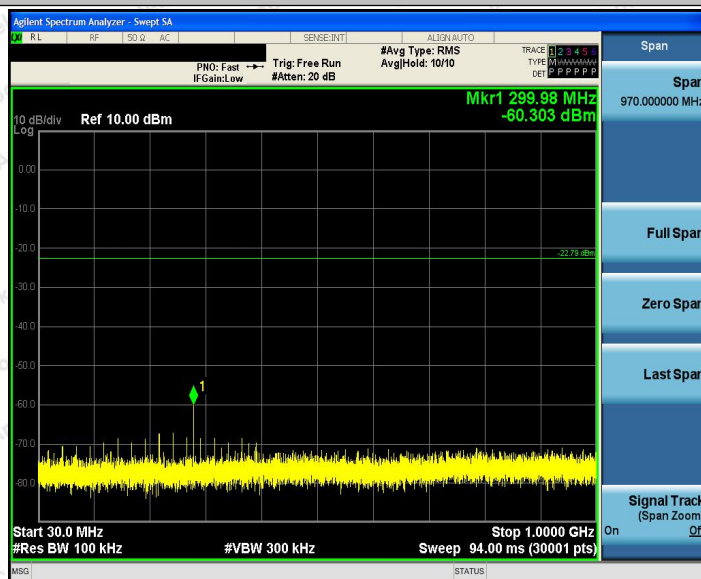
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2408	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-60.3	≤ -22.79	PASS
			1000~26500	-2.79	-39.19	≤ -22.79	PASS
		2440	Reference	-3.38	-3.38	---	PASS
			30~1000	-3.38	-61.42	≤ -23.38	PASS
			1000~26500	-3.38	-36.64	≤ -23.38	PASS
		2474	Reference	-2.74	-2.74	---	PASS
			30~1000	-2.74	-59.85	≤ -22.74	PASS
			1000~26500	-2.74	-40.83	≤ -22.74	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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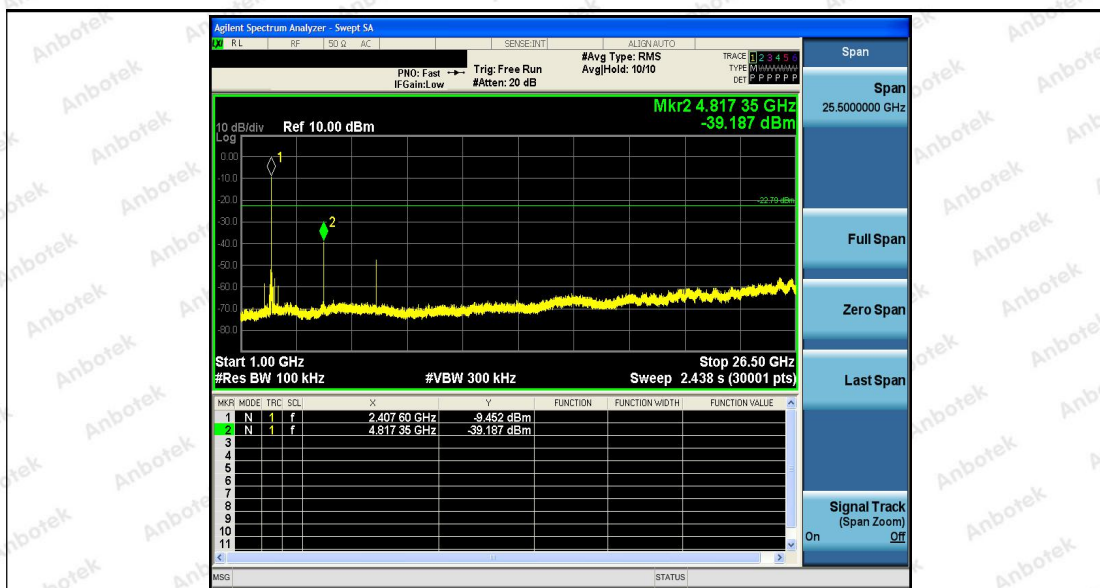
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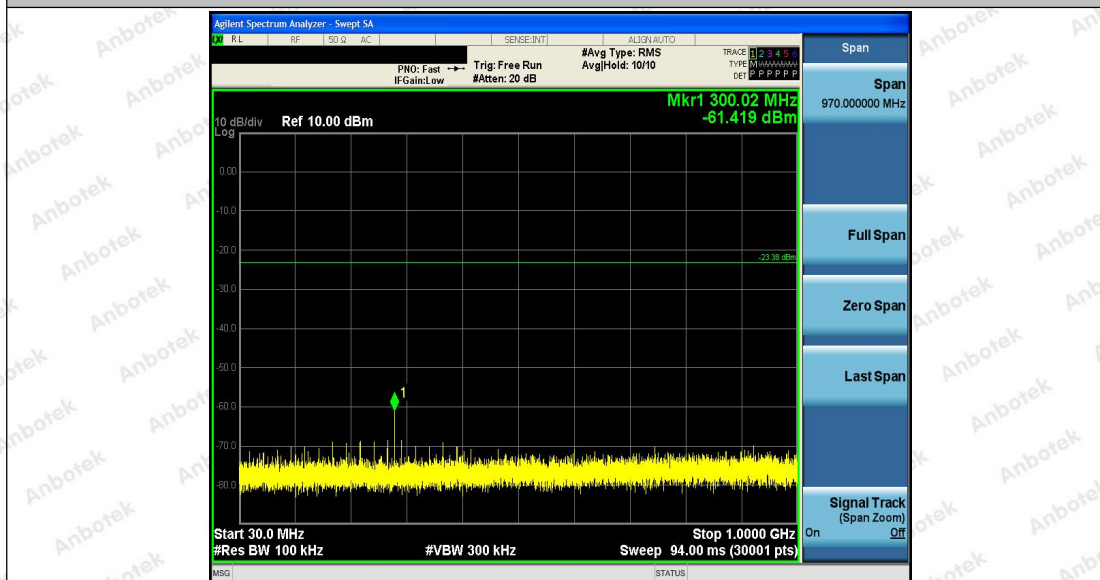
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2.4_Ant1_2440_0~Reference



2.4_Ant1_2440_30~1000



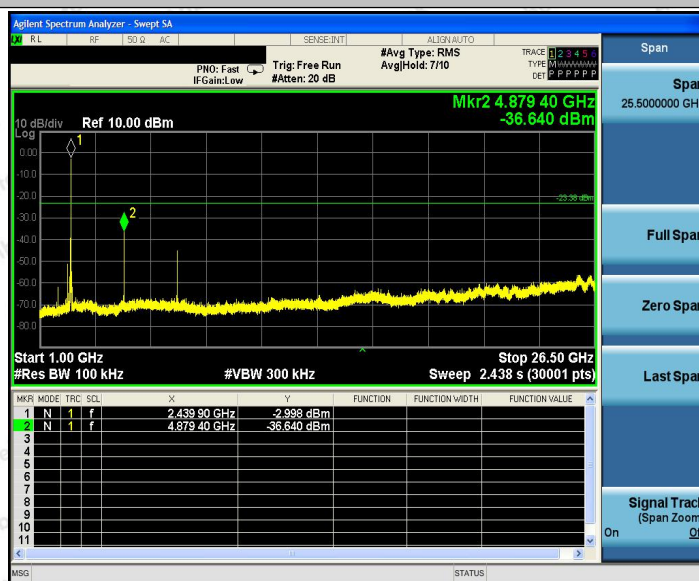
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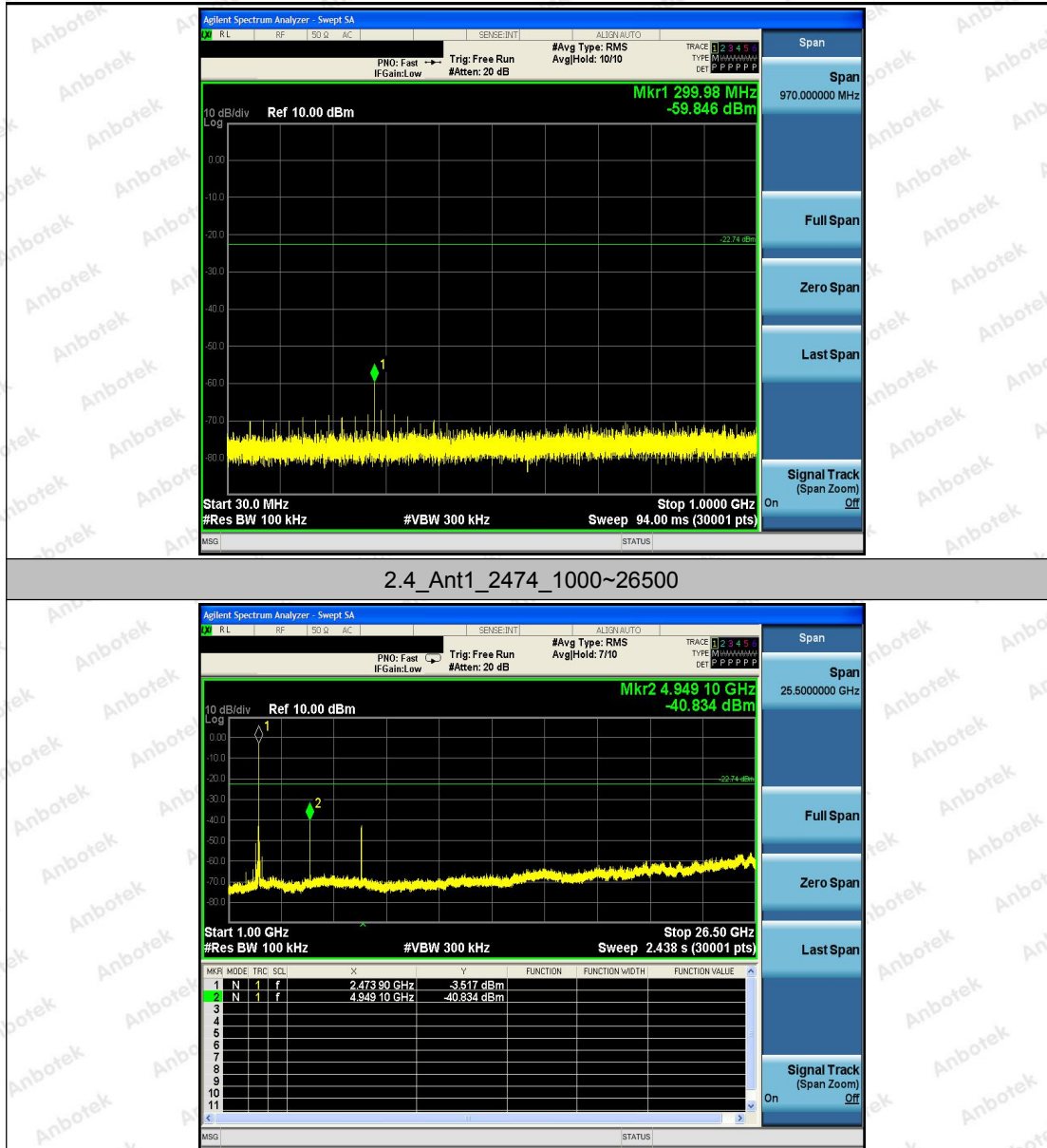
2.4_Ant1_2440_1000~26500



2.4_Ant1_2474_0~Reference



2.4_Ant1_2474_30~1000



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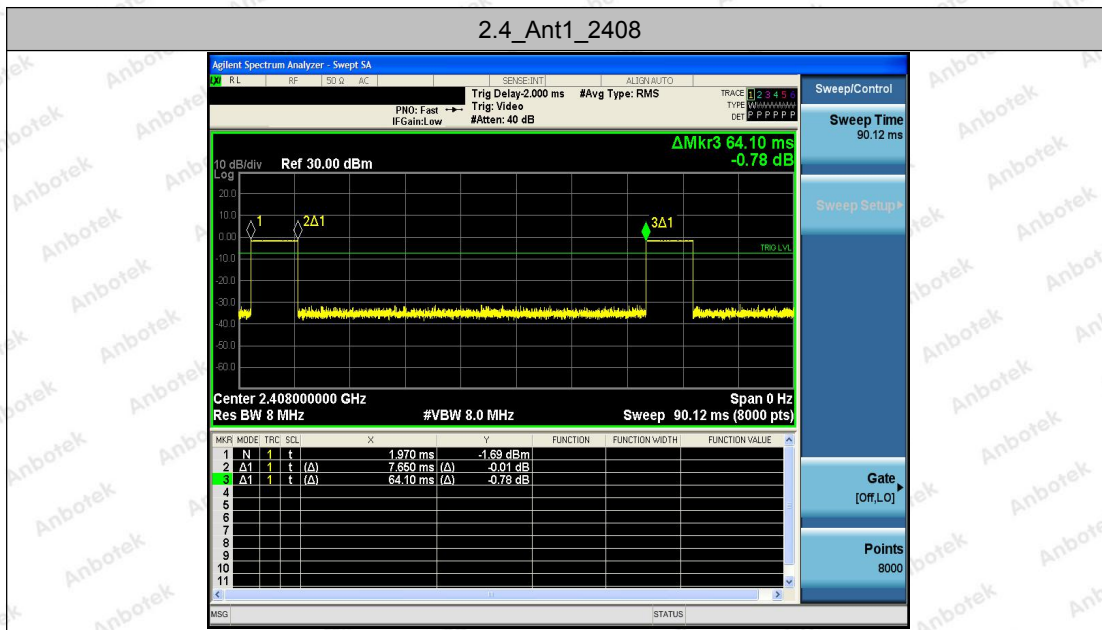
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2408	7.65	64.10	0.119 3	11.93	9.23	---	PASS

Test Graphs



---End---