

Appendix Test Data

Report No.:	18220WC20145401	Test Sample No.:	1-2-2
Start Test Date:	2022.7.5	Finish Test Date:	2022.7.13
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
2.4	Ant1	2402	1.875	2401.115	2402.990	---	PASS
		2440	1.880	2439.115	2440.995	---	PASS
		2480	2.095	2479.060	2481.155	---	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	1.8261	2401.13 3	2402.959	---	PASS
		2440	1.8483	2439.12 4	2440.972	---	PASS
		2480	1.8934	2479.09 6	2480.989	---	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	2402	1.63	≤20.97	PASS
		2440	2.42	≤20.97	PASS
		2480	1.79	≤20.97	PASS

Test Graphs



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	1.82	≥1.397	PASS

Test Graphs



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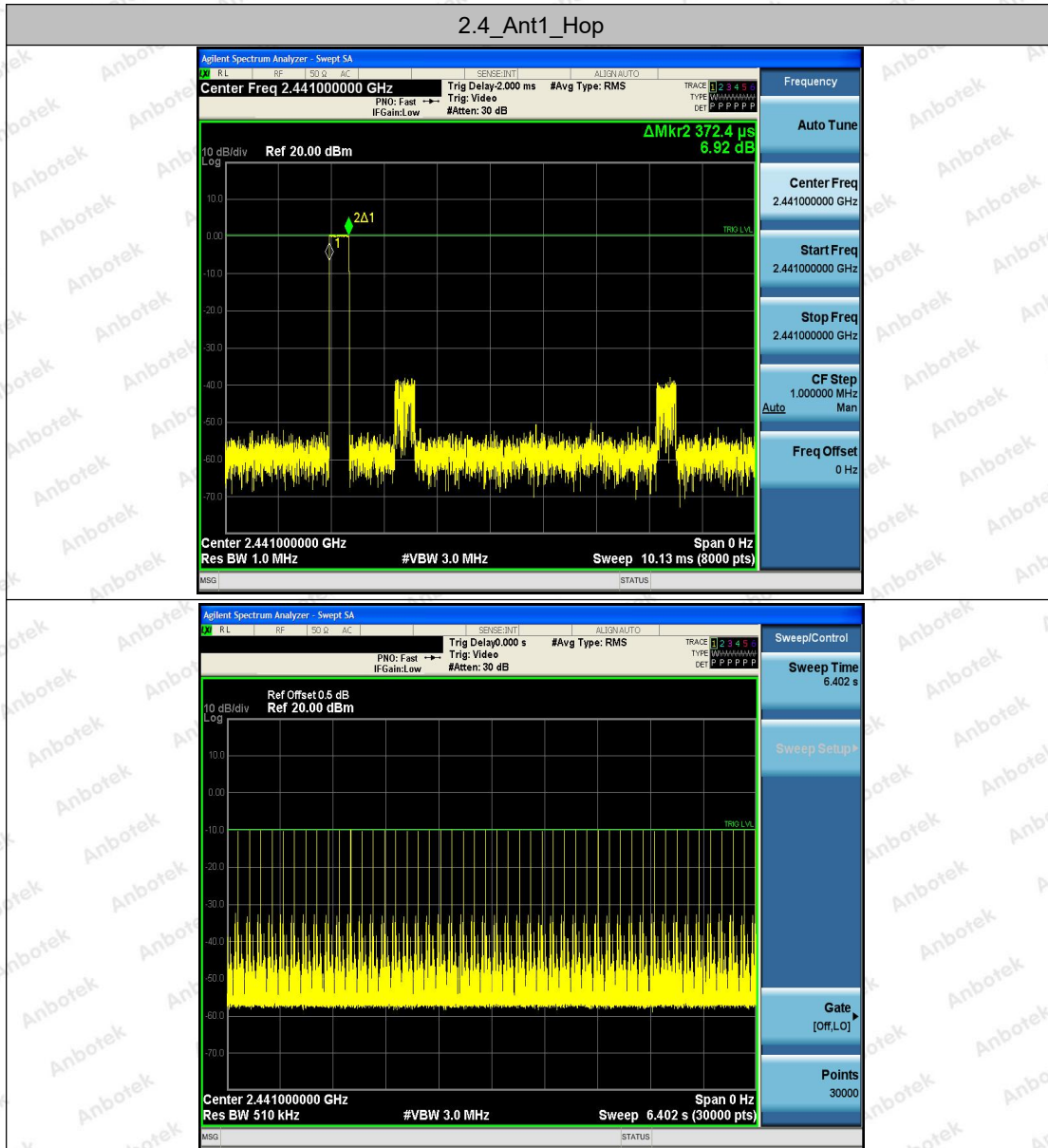
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	0.37	102	0.04	≤0.4	PASS

Test Graphs



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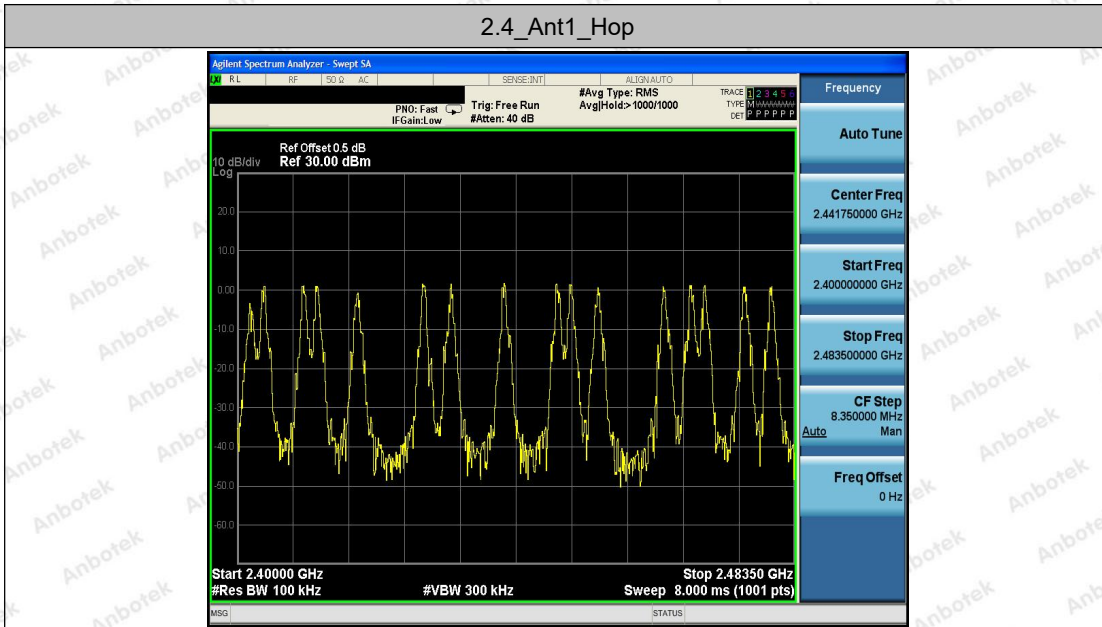
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



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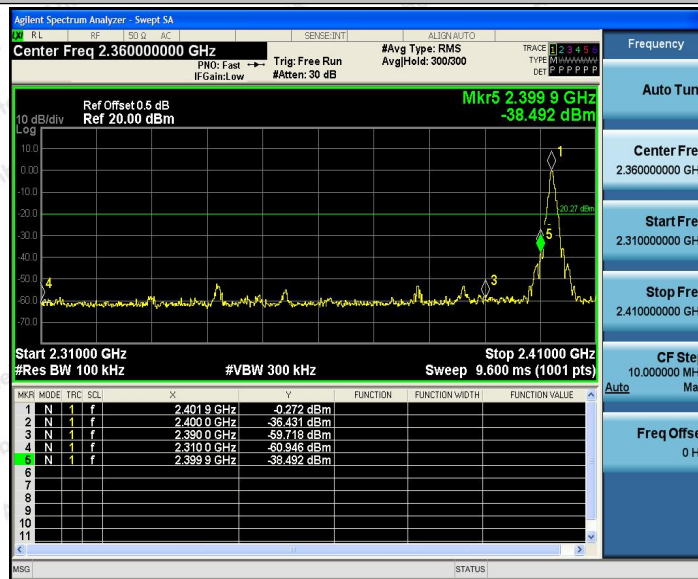
Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2402	-0.27	-38.49	≤-20.27	PASS
		High	2480	-0.13	-51.59	≤-20.13	PASS
		Low	Hop	-2.82	-52.82	≤-22.82	PASS
		High	Hop	0.89	-59.27	≤-19.11	PASS

Test Graphs

2.4_Ant1_Low_2402



2.4_Ant1_High_2480



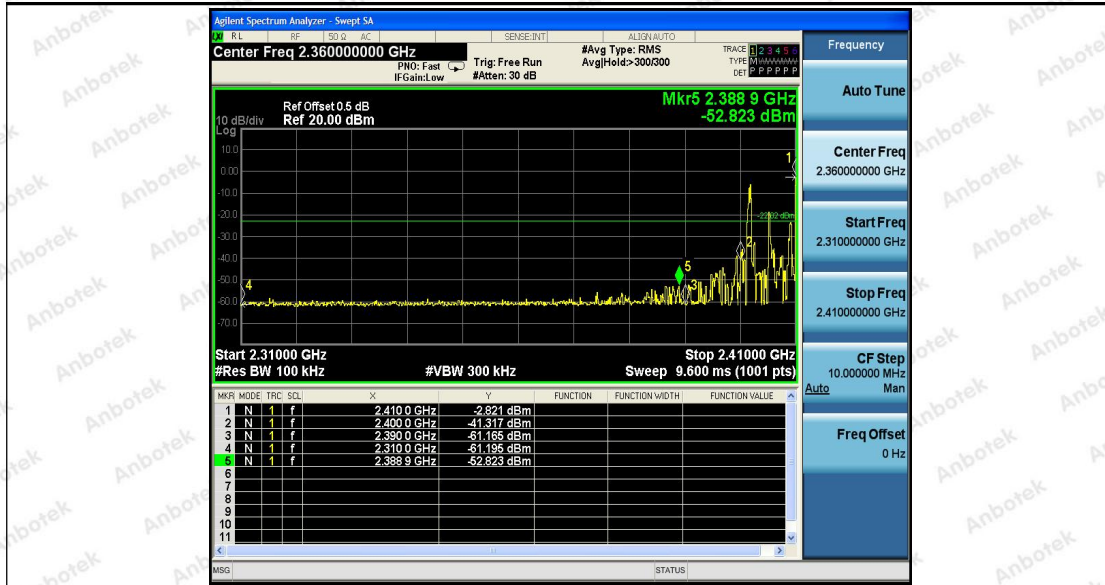
2.4_Ant1_Low_Hop

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2.4_Ant1_High_Hop



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Appendix H: Conducted Spurious Emission

Test Result

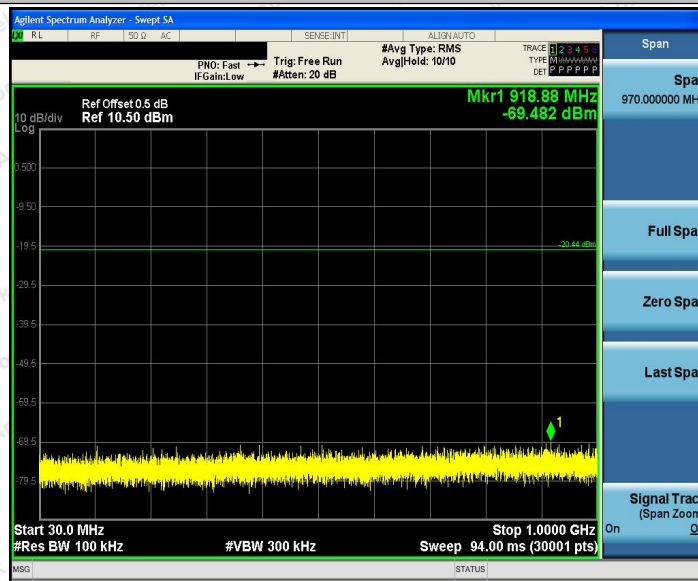
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2402	Reference	-0.44	-0.44	---	PASS
			30~1000	-0.44	-69.48	≤-20.44	PASS
			1000~26500	-0.44	-53.56	≤-20.44	PASS
		2440	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-68.93	≤-19.6	PASS
			1000~26500	0.40	-52.74	≤-19.6	PASS
		2480	Reference	-0.32	-0.32	---	PASS
			30~1000	-0.32	-69.58	≤-20.32	PASS
			1000~26500	-0.32	-53.63	≤-20.32	PASS

Test Graphs

2.4_Ant1_2402_0~Reference



2.4_Ant1_2402_30~1000



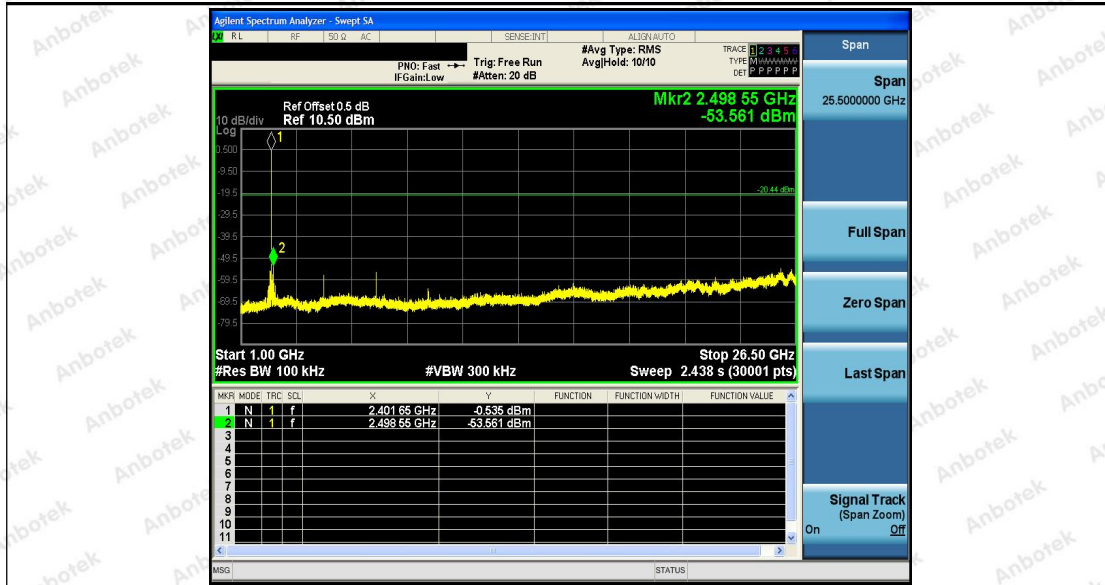
2.4_Ant1_2402_1000~26500

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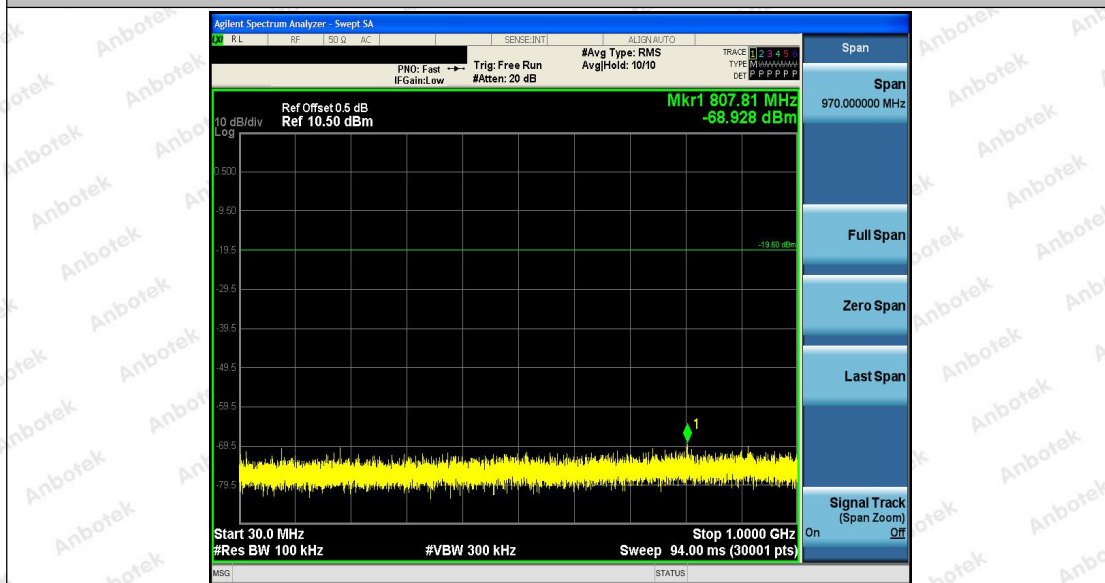
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2.4_Ant1_2440_0~Reference



2.4_Ant1_2440_30~1000

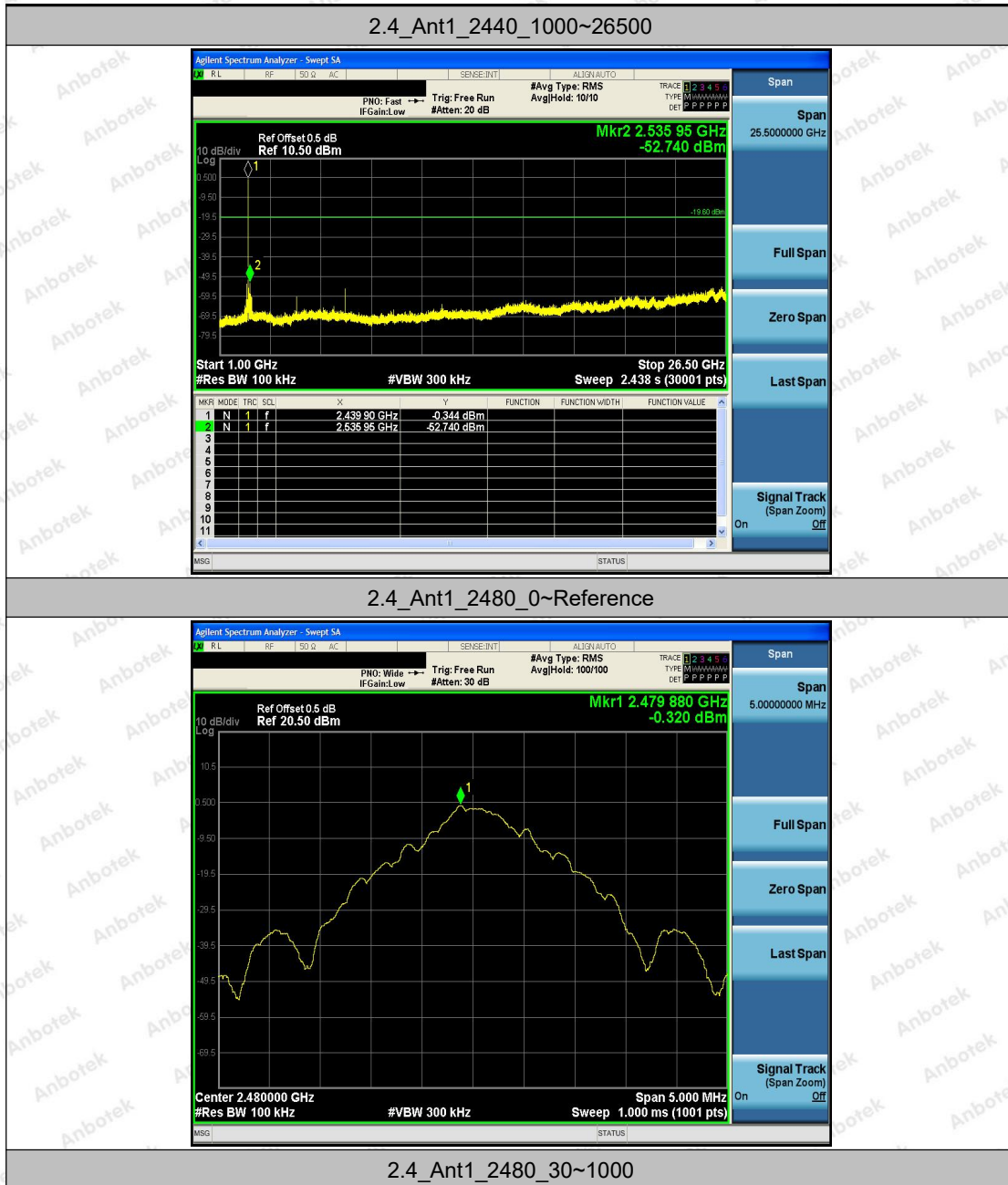


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2.4_Ant1_2480_1000~26500



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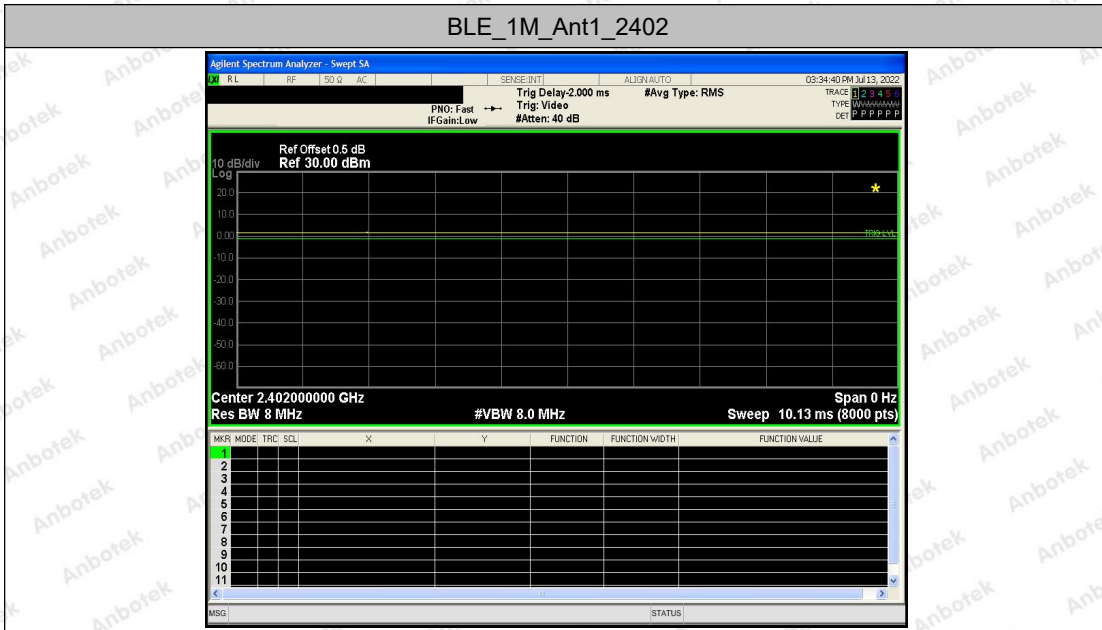
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2402	10.13	10.13	1	100	0	---	PASS

Test Graphs



---End---