

Appendix Test Data

Report No.:	18220WC20165601	Test Sample No.:	1-2-2
Start Test Date:	2022.7.25	Finish Test Date:	2022.8.2
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	26.3C°	Relative Humidity:	45 %
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	2402.4	1.101	2401.872	2402.973	---	PASS
		2441.4	1.128	2440.860	2441.988	---	PASS
		2479.4	1.140	2478.848	2479.988	---	PASS

Test Graphs

2.4G_Ant1_2402.4



2.4G_Ant1_2441.4



2.4G_Ant1_2479.4

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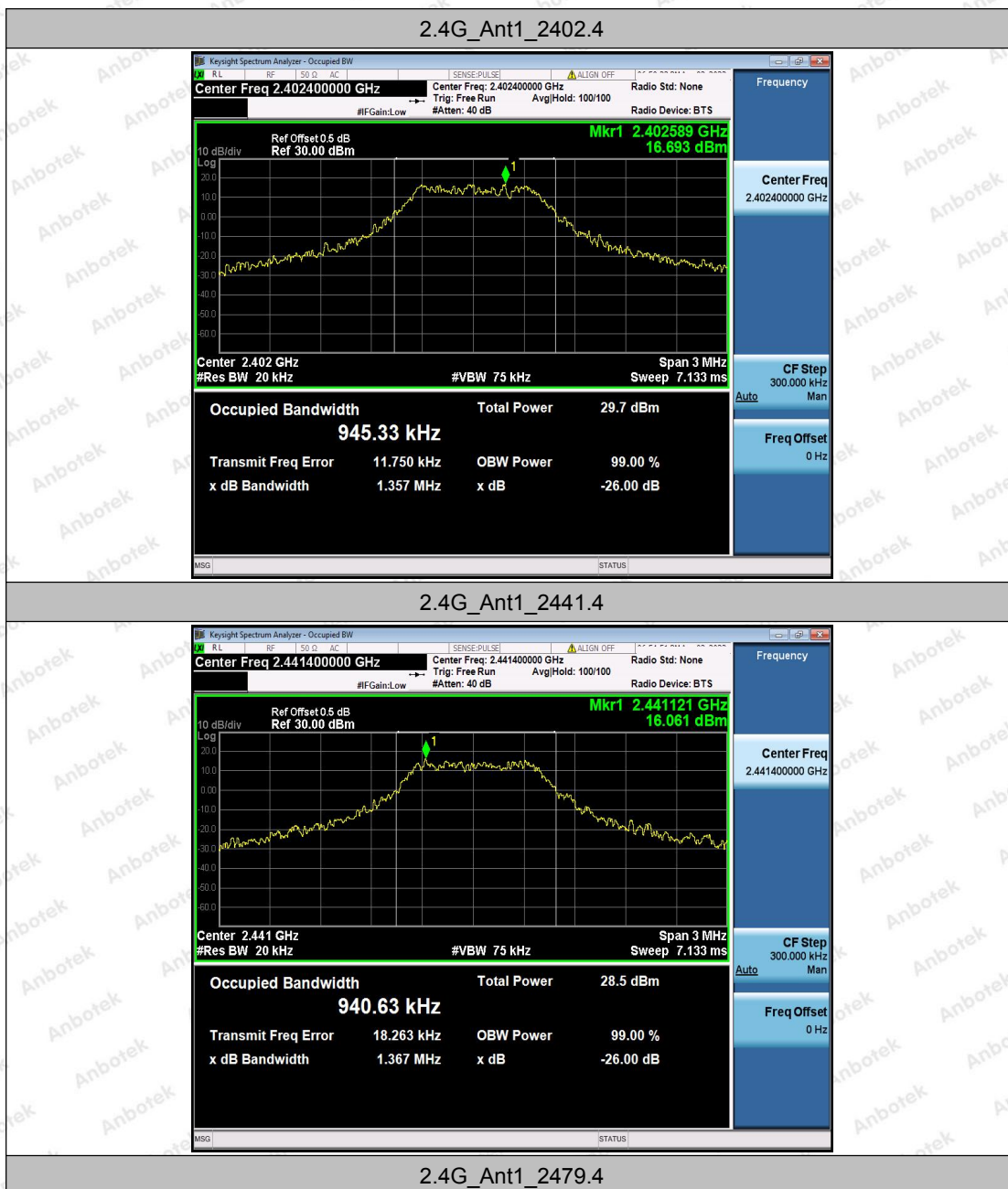
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402.4	0.94533	2401.93 9	2402.884	---	PASS
		2441.4	0.94063	2440.94 8	2441.889	---	PASS
		2479.4	0.97417	2478.92 1	2479.895	---	PASS

Test Graphs



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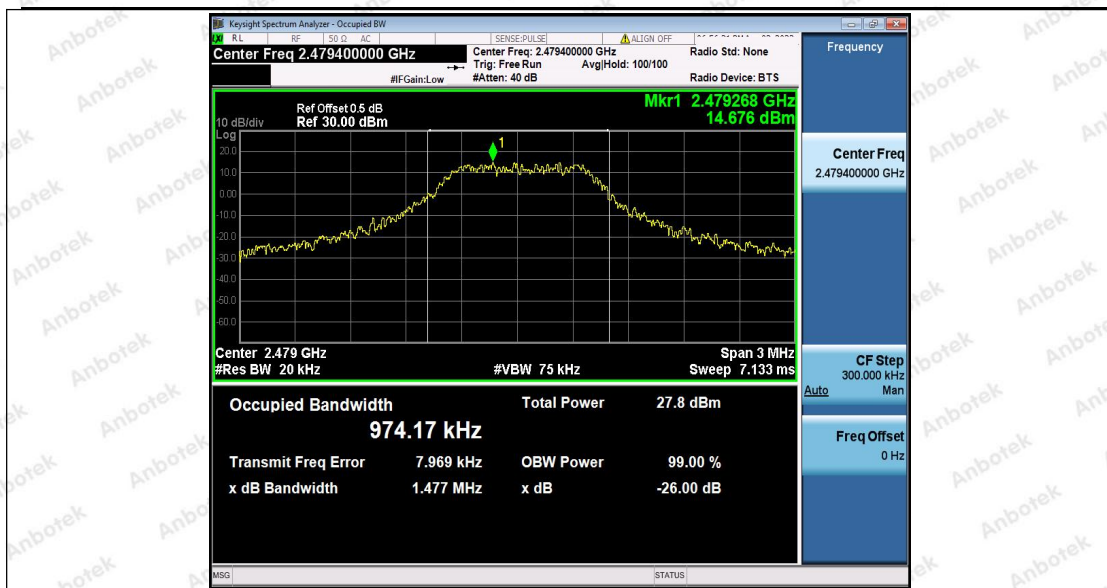
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Appendix C: Maximum conducted output power

Test Result

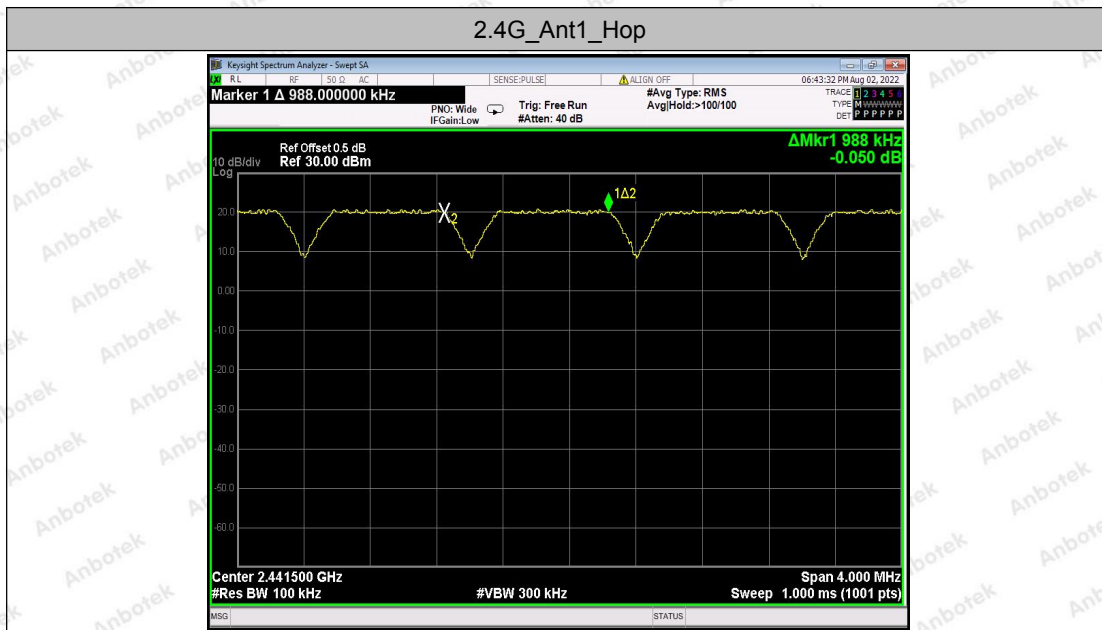
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402.4	19.26	≤20.97	PASS
		2441.4	20.11	≤20.97	PASS
		2479.4	20.76	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	0.988	≥0.76	PASS

Test Graphs



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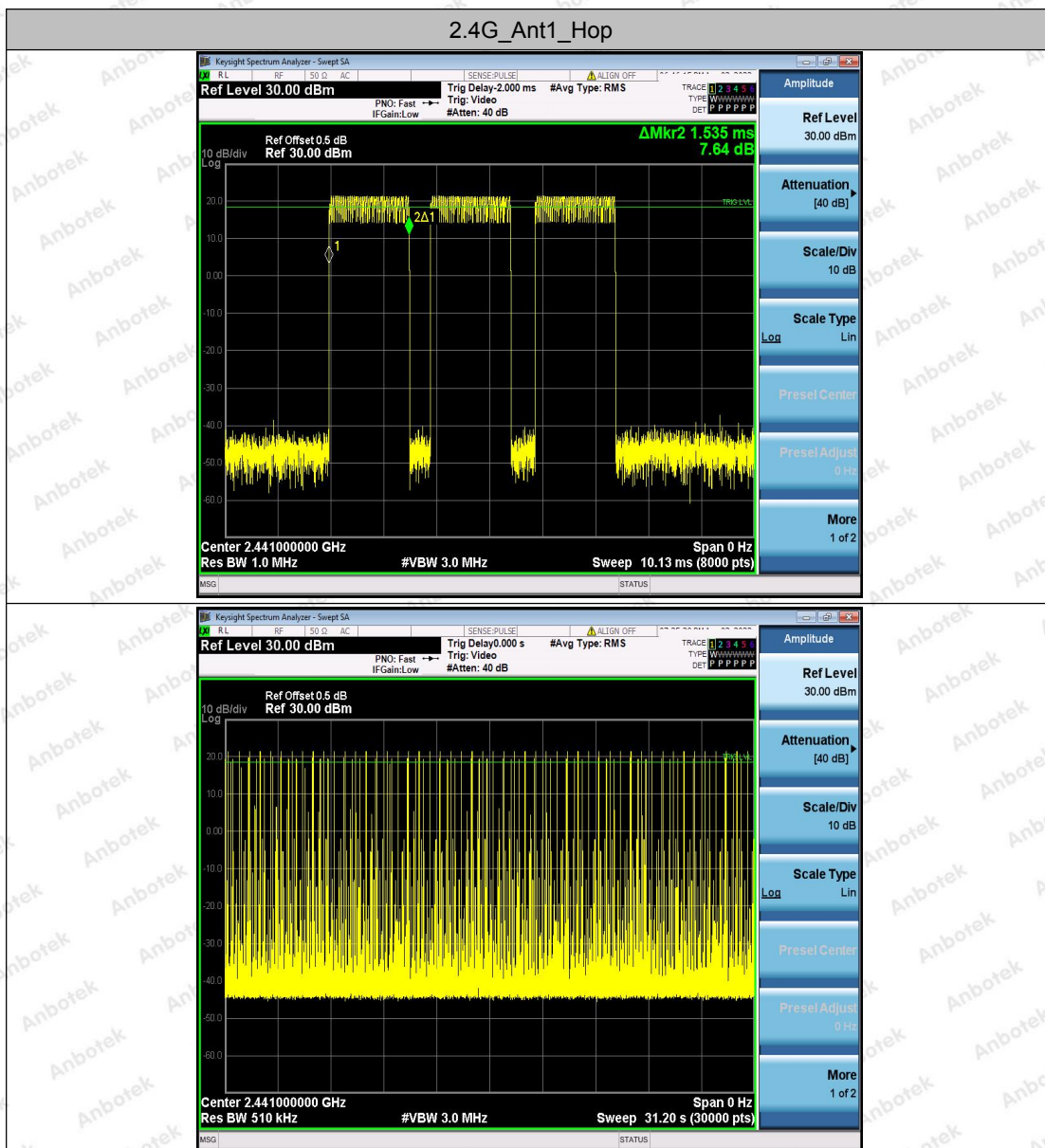
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	1.54	102	0.157	≤0.4	PASS

Test Graphs



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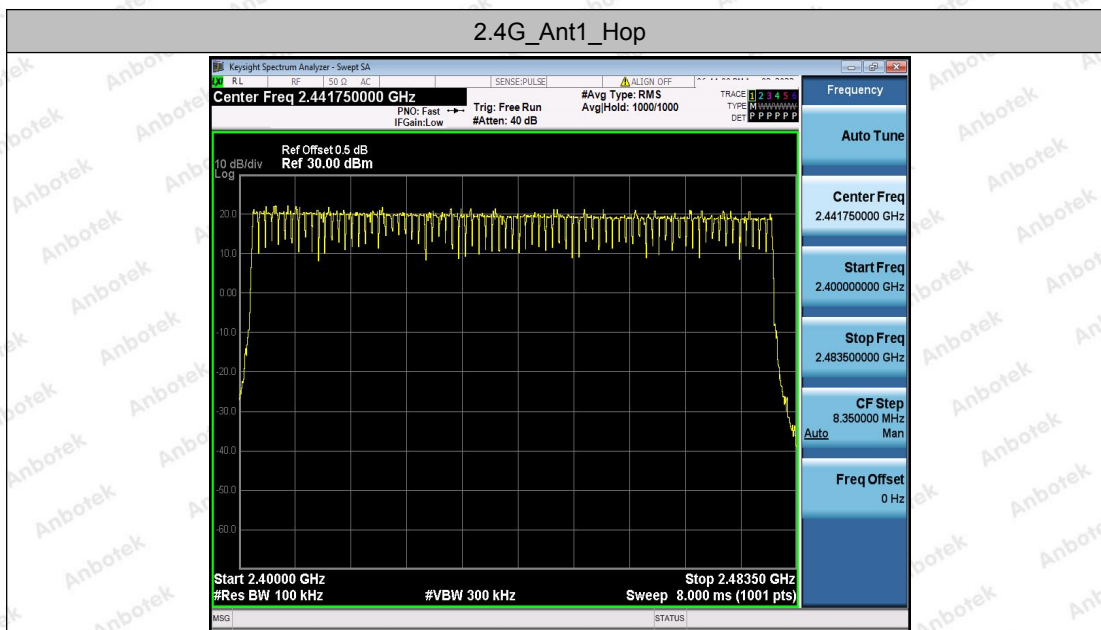
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	78	≥15	PASS

Test Graphs



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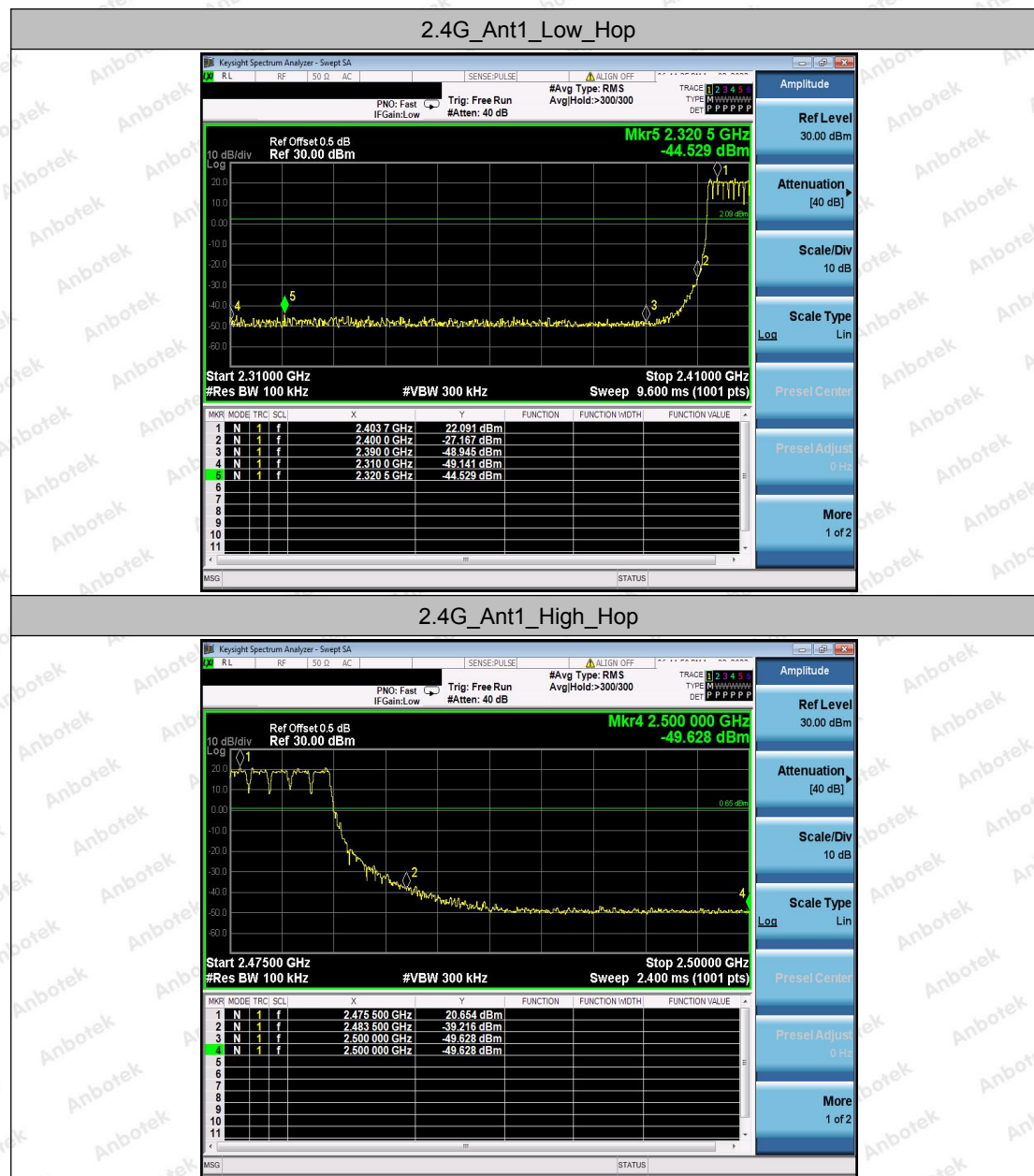
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Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	Hop	22.09	-44.53	≤2.09	PASS
		High	Hop	20.65	-49.65	≤0.65	PASS

Test Graphs



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Appendix H: Conducted Spurious Emission

Test Result

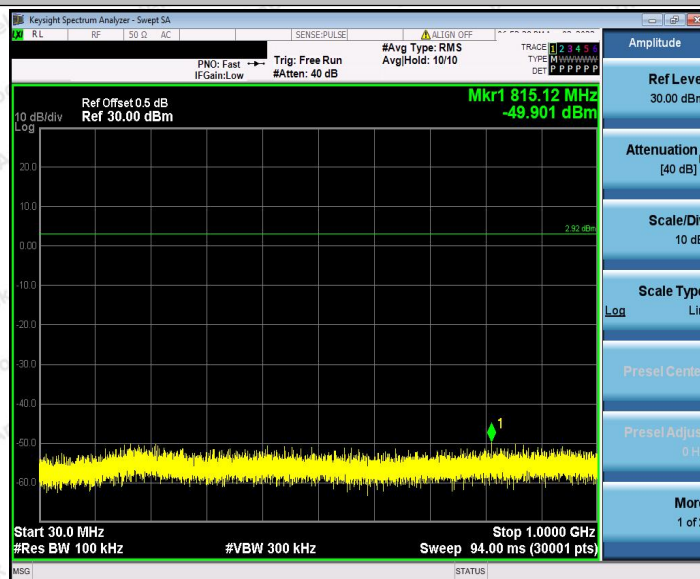
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2402.4	Reference	22.92	22.92	---	PASS
			30~1000	22.92	-49.90	≤2.92	PASS
			1000~26500	22.92	-29.35	≤2.92	PASS
		2441.4	Reference	22.10	22.10	---	PASS
			30~1000	22.10	-50.04	≤2.1	PASS
			1000~26500	22.10	-31.11	≤2.1	PASS
		2479.4	Reference	21.52	21.52	---	PASS
			30~1000	21.52	-48.38	≤1.52	PASS
			1000~26500	21.52	-31.08	≤1.52	PASS

Test Graphs

2.4G_Ant1_2402.4_0~Reference



2.4G_Ant1_2402.4_30~1000



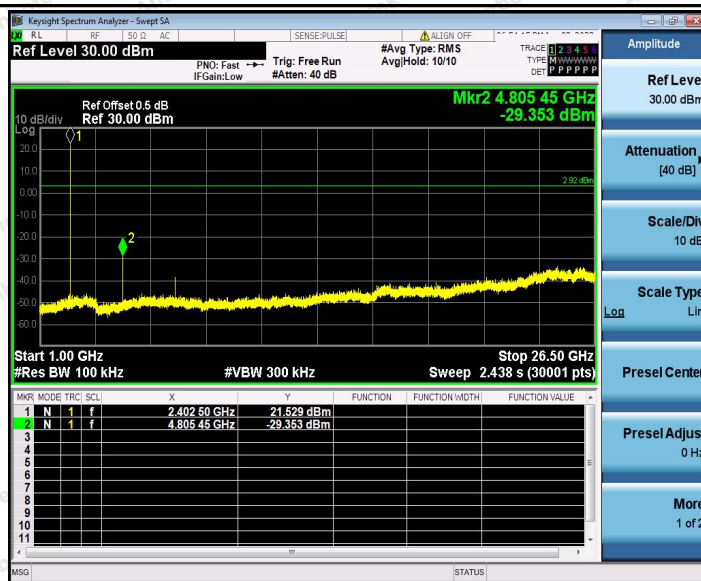
2.4G_Ant1_2402.4_1000~26500

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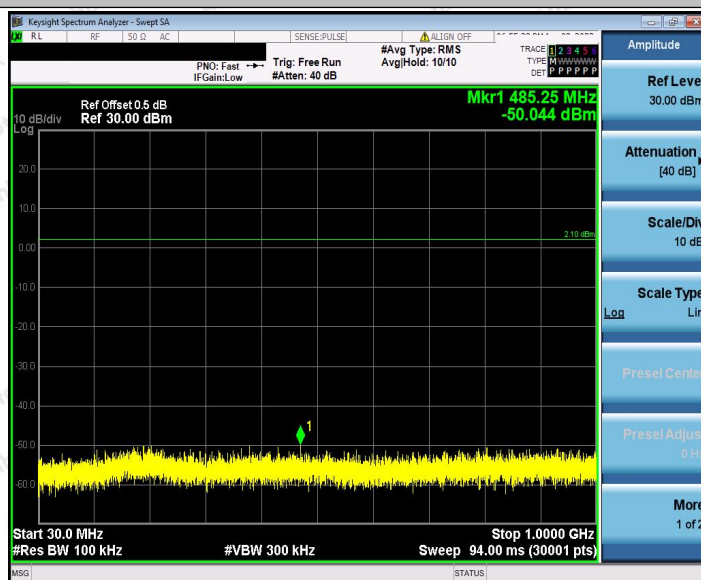
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2.4G_Ant1_2441.4_0~Reference



2.4G_Ant1_2441.4_30~1000



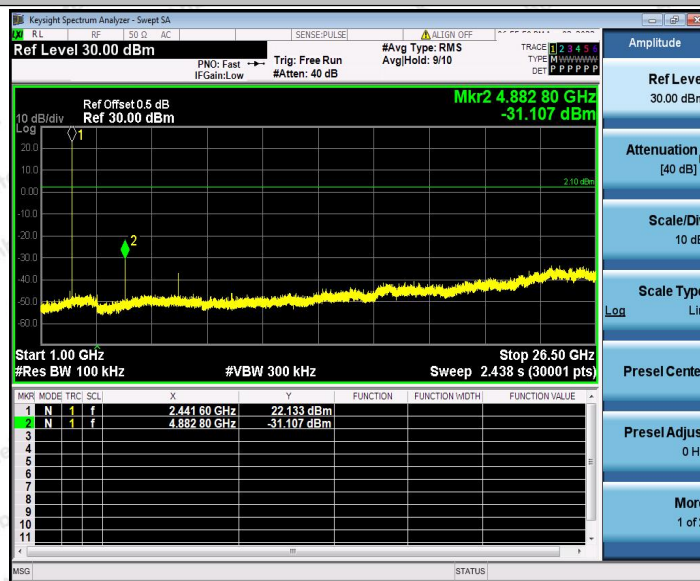
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2.4G_Ant1_2441.4_1000~26500



2.4G_Ant1_2479.4_0~Reference



2.4G_Ant1_2479.4_30~1000

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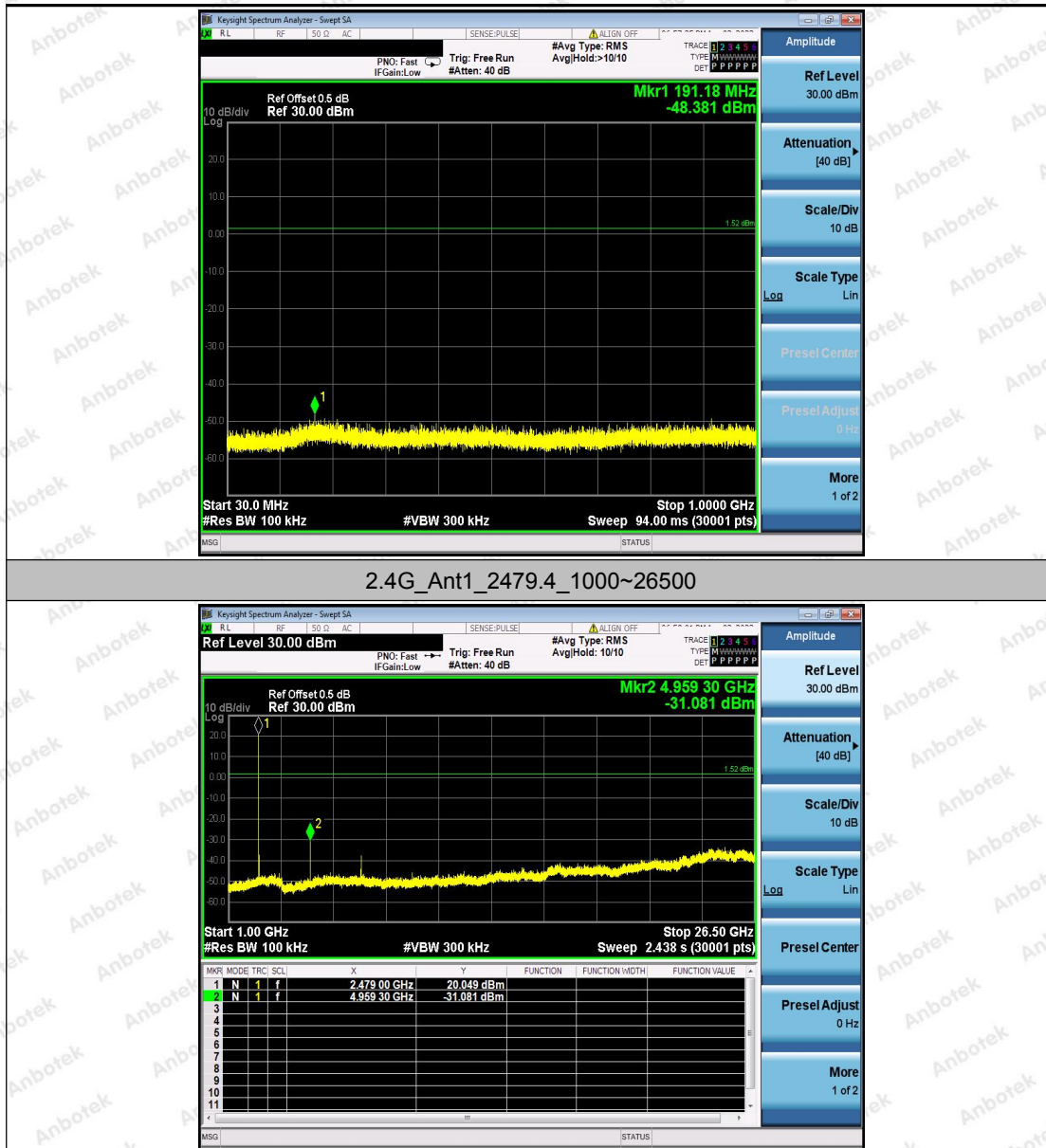
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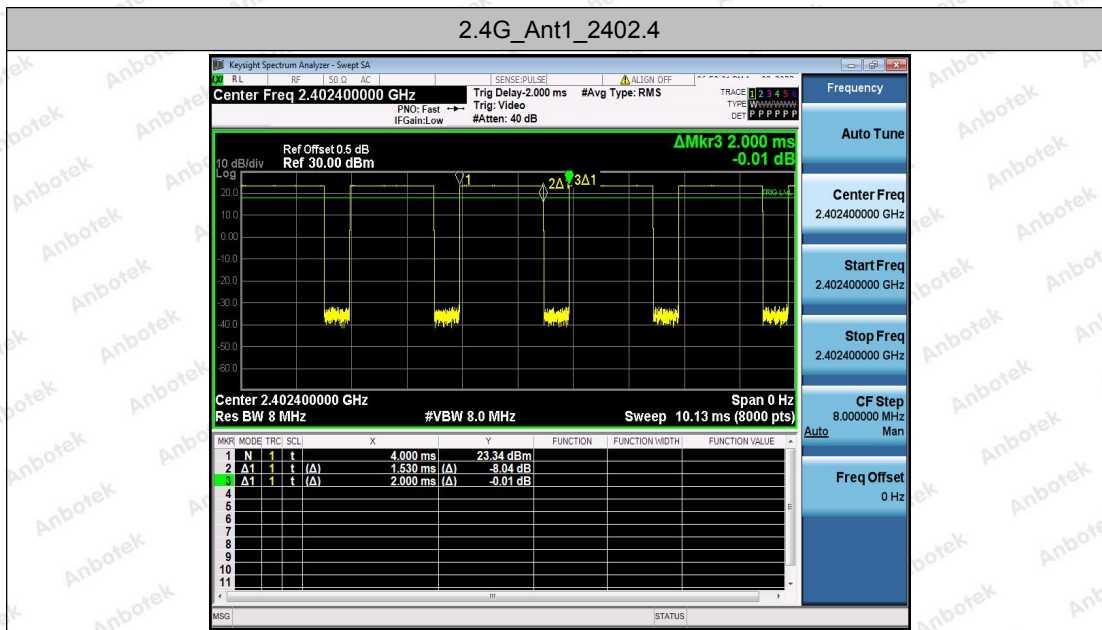
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4G	Ant1	2402.4	1.53	2.00	0.765 0	76.50	-2.32	---	PASS

Test Graphs



---End---