

Appendix Test Data

Report No.:	18220WC30051001	Test Sample No.:	1-2-2
Start Test Date:	2023.03.28	Finish Test Date:	2023.04.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.6℃	Relative Humidity:	43%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.032	2404.456	2405.488	0.5	PASS
		2430	1.044	2429.448	2430.492	0.5	PASS
		2470	1.032	2469.456	2470.488	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.0591	2403.9507	2406.0098
		2430	2.0505	2428.9483	2430.9988
		2470	2.0294	2468.9497	2470.9791





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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	0.46	≤30	PASS
		2430	-0.01	≤30	PASS
		2470	0.30	≤30	PASS



Test Graphs Peak

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

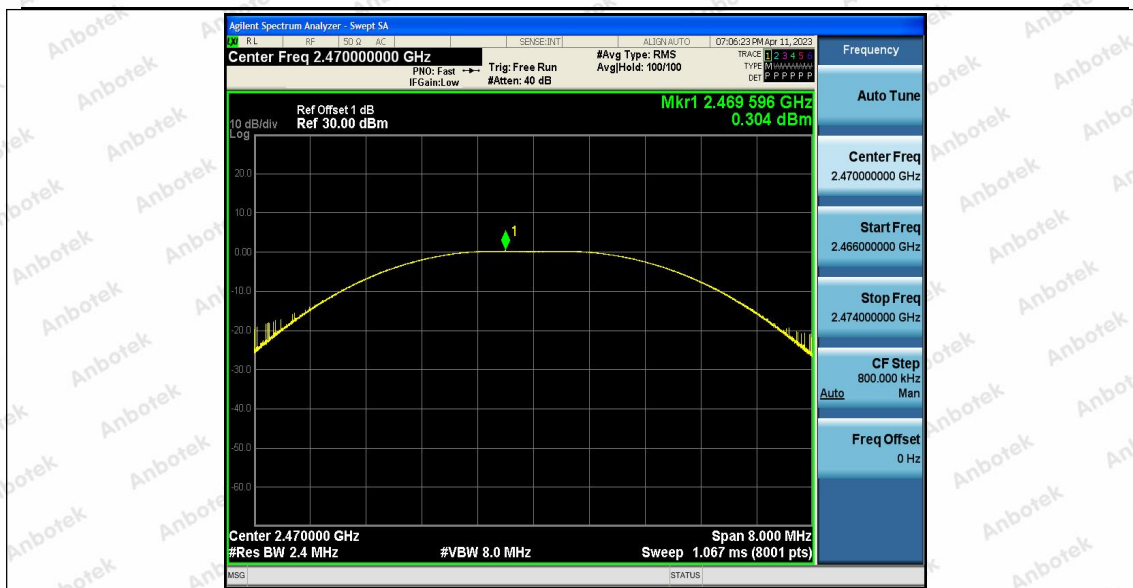
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-11.2	≤8.00	PASS
		2430	-11.64	≤8.00	PASS
		2470	-11.33	≤8.00	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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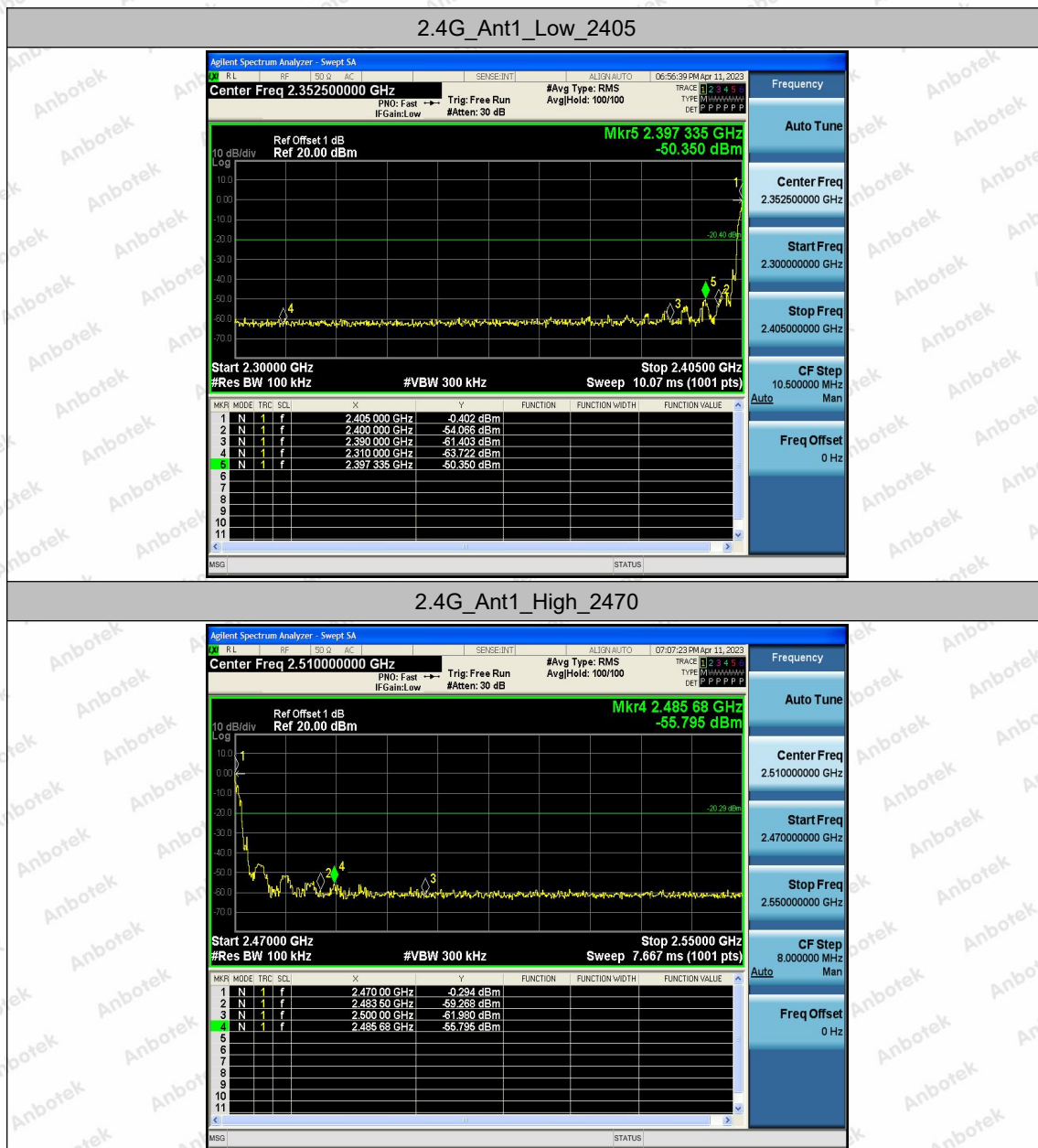


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-0.40	-50.35	≤-20.4	PASS
		High	2470	-0.29	-55.8	≤-20.29	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-65.31	≤-20.85	PASS
			1000~26500	-0.85	-37.64	≤-20.85	PASS
		2430	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-65.03	≤-20.66	PASS
			1000~26500	-0.66	-36.14	≤-20.66	PASS
		2470	Reference	-0.71	-0.71	---	PASS
			30~1000	-1.10	-63.95	≤-21.1	PASS
			1000~26500	-1.10	-36.63	≤-21.1	PASS



Test Graphs



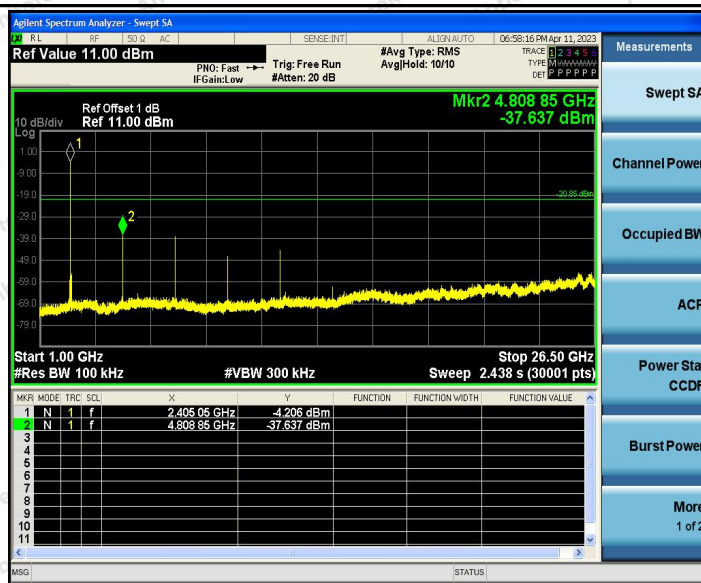
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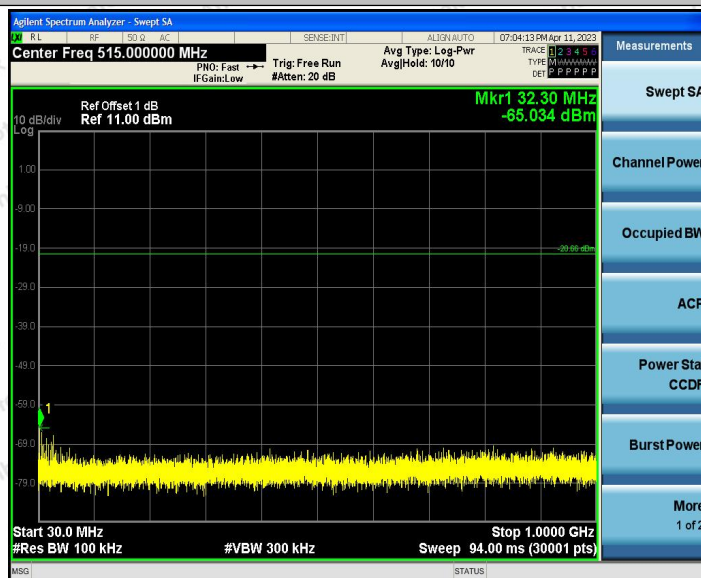




2.4G_Ant1_2430_0~Reference



2.4G_Ant1_2430_30~1000



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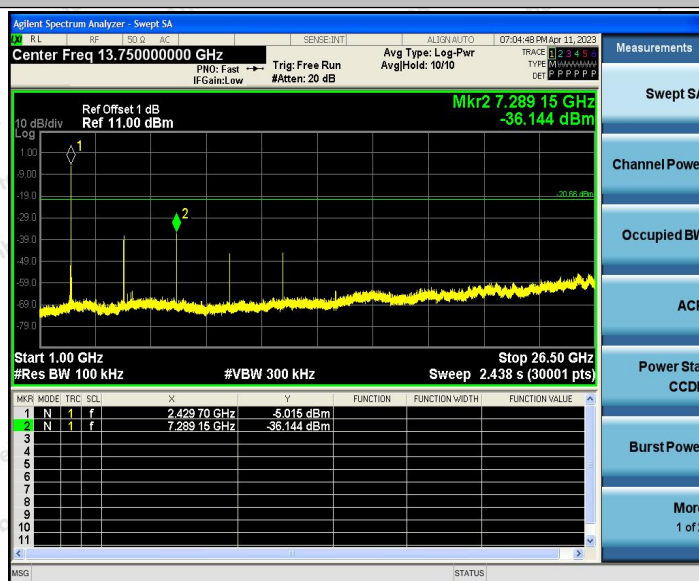
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2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference



2.4G_Ant1_2470_30~1000

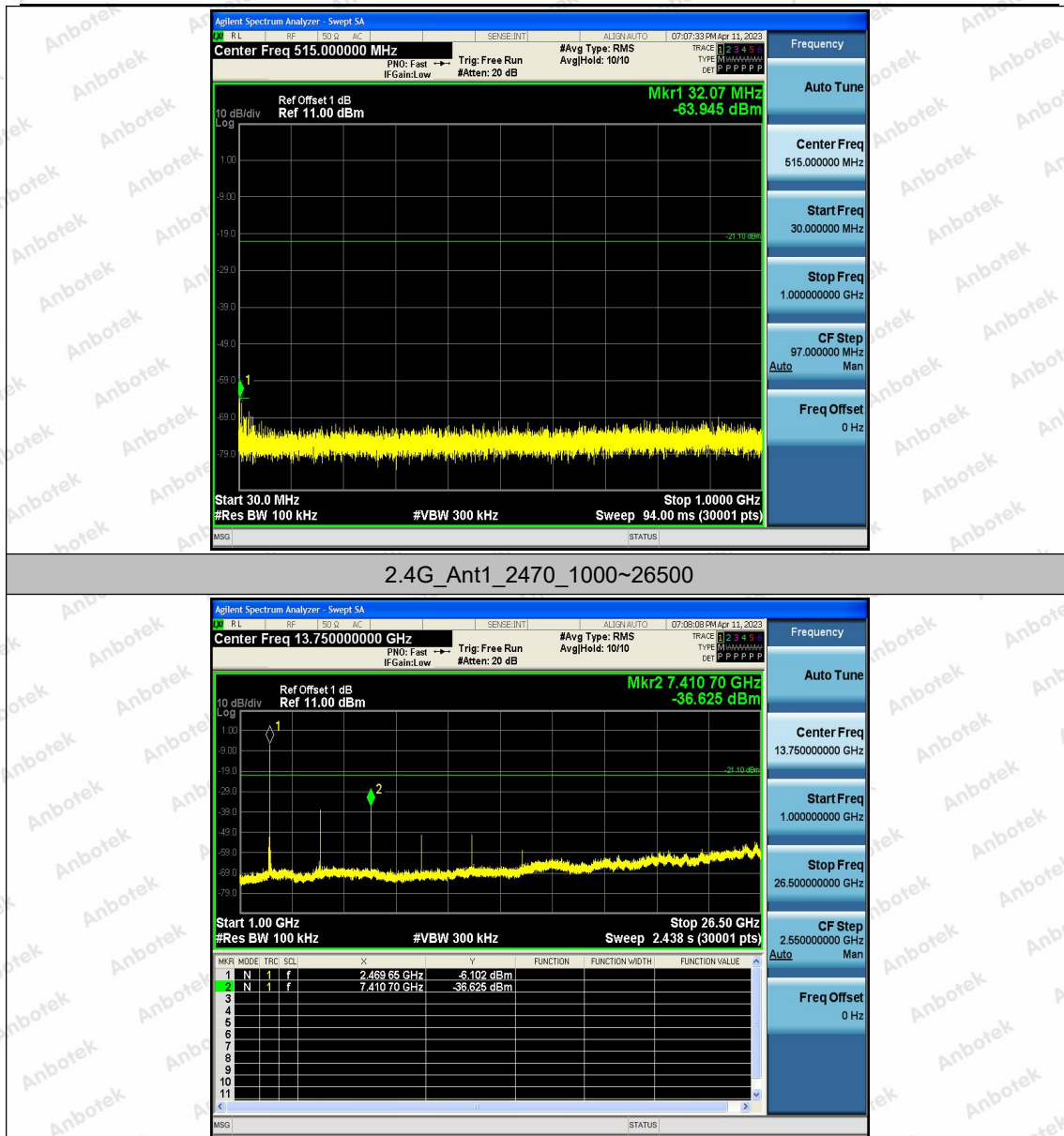
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Appendix G: Duty Cycle

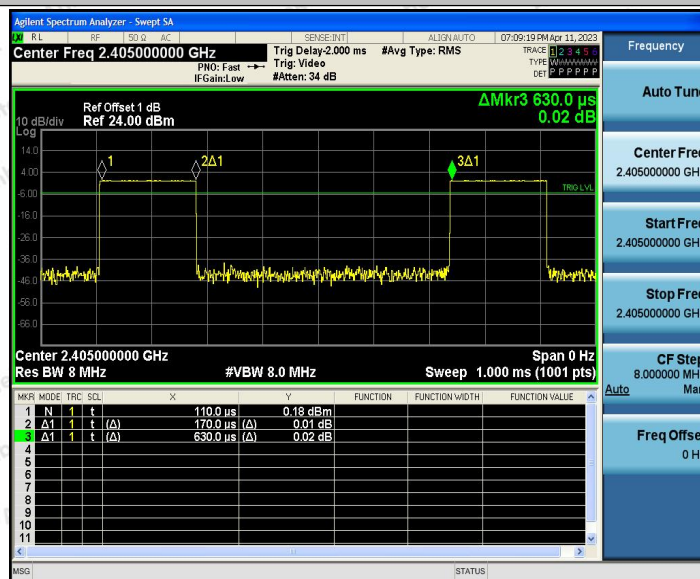
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	0.17	0.63	26.98	5.69
		2430	0.17	0.63	26.98	5.69
		2470	0.17	0.63	26.98	5.69

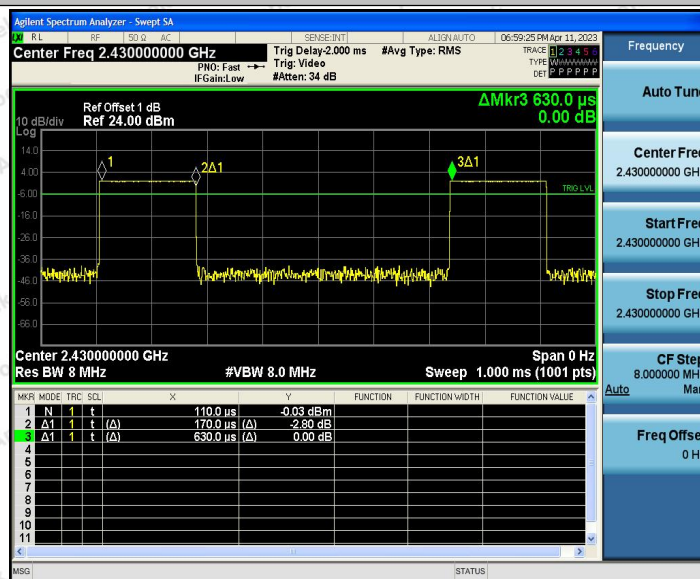


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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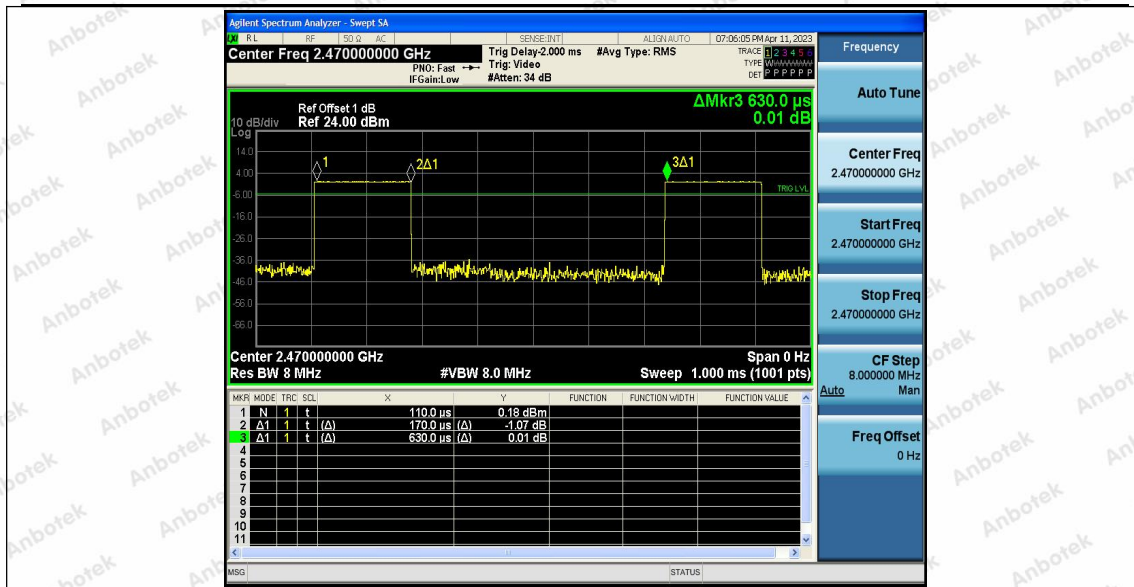


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