

Appendix Test Data

Report No.:	18220WC30246801	Test Sample No.:	1-2-2
Start Test Date:	2023.11.20	Finish Test Date:	2023.11.22
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.4°C	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2405	1.656	2404.268	2405.924	0.5	PASS
		2430	1.640	2429.276	2430.916	0.5	PASS
		2470	1.508	2469.336	2470.844	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

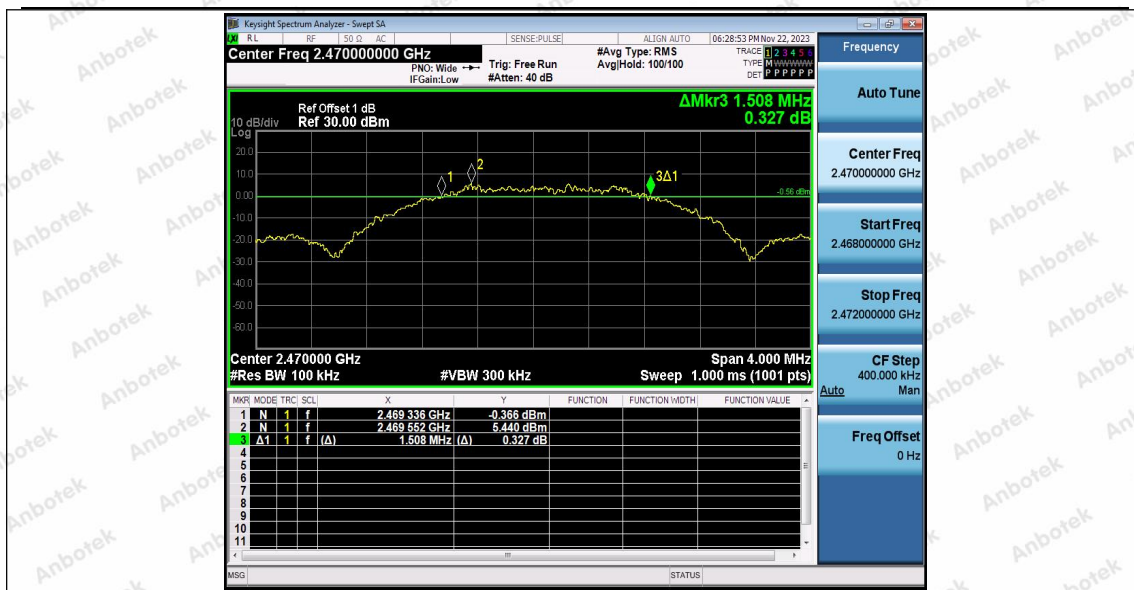
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.2725	2403.9376	2406.2101
		2430	2.3384	2428.8907	2431.2291
		2470	2.2913	2468.9117	2471.2030



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

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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	8.65	≤30	PASS
		2430	8.49	≤30	PASS
		2470	8.18	≤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

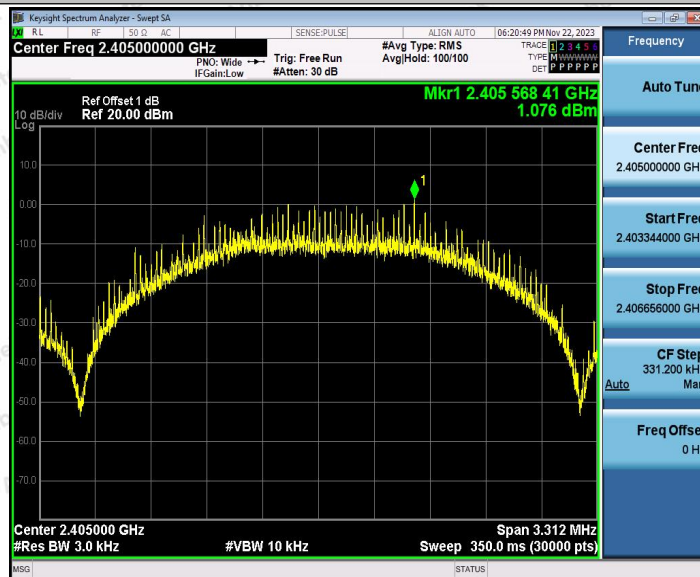
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	1.08	≤8.00	PASS
		2430	1.18	≤8.00	PASS
		2470	1.48	≤8.00	PASS

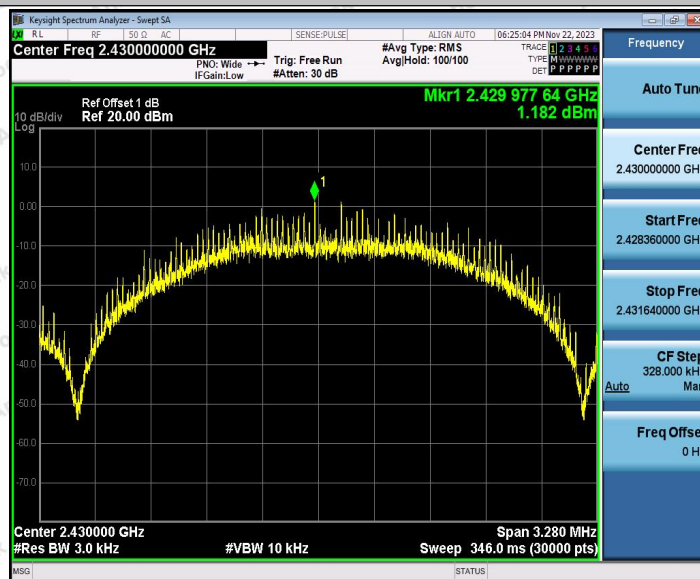


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

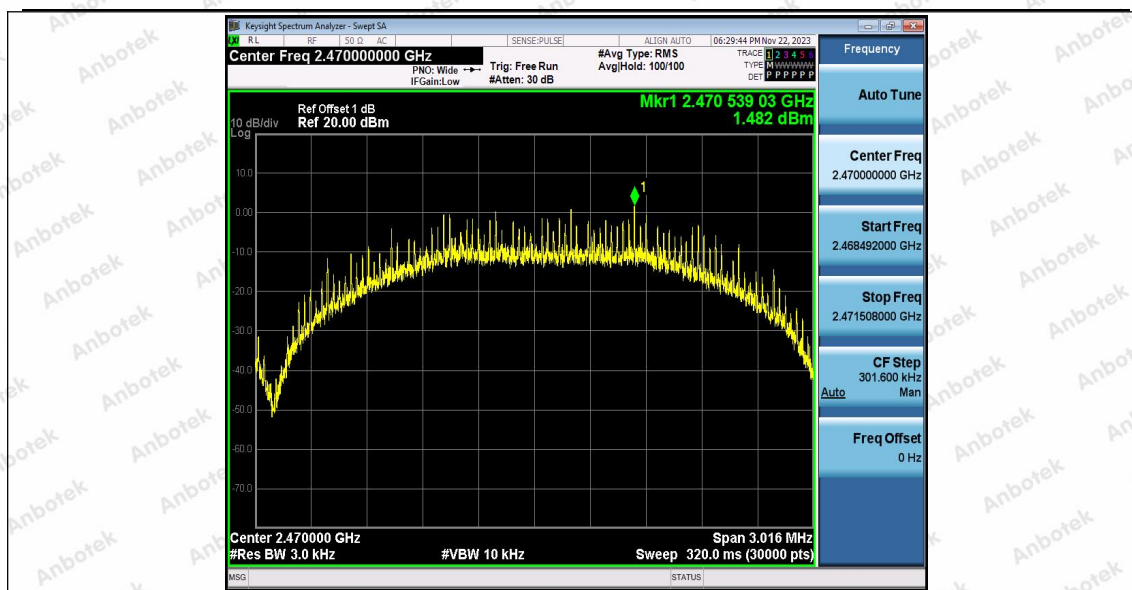
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Appendix E: Band edge measurements

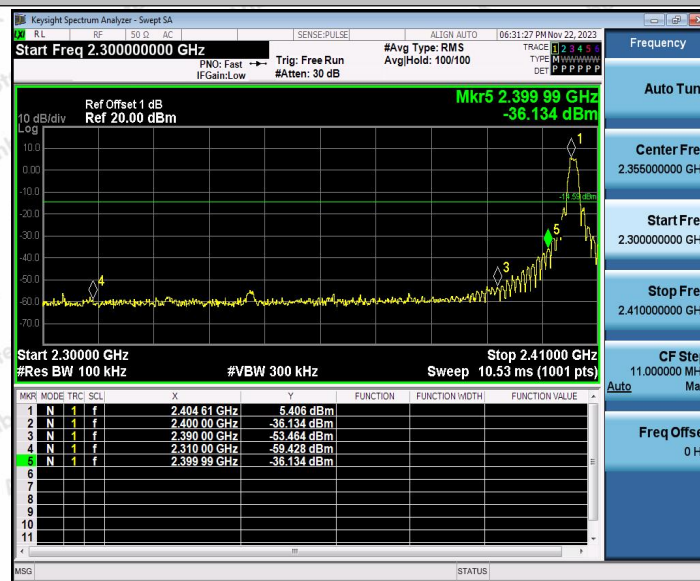
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	5.41	-36.13	≤-14.59	PASS
		High	2470	6.48	-49.97	≤-13.52	PASS



Test Graphs

2.4G_Ant1_Low_2405



2.4G_Ant1_High_2470



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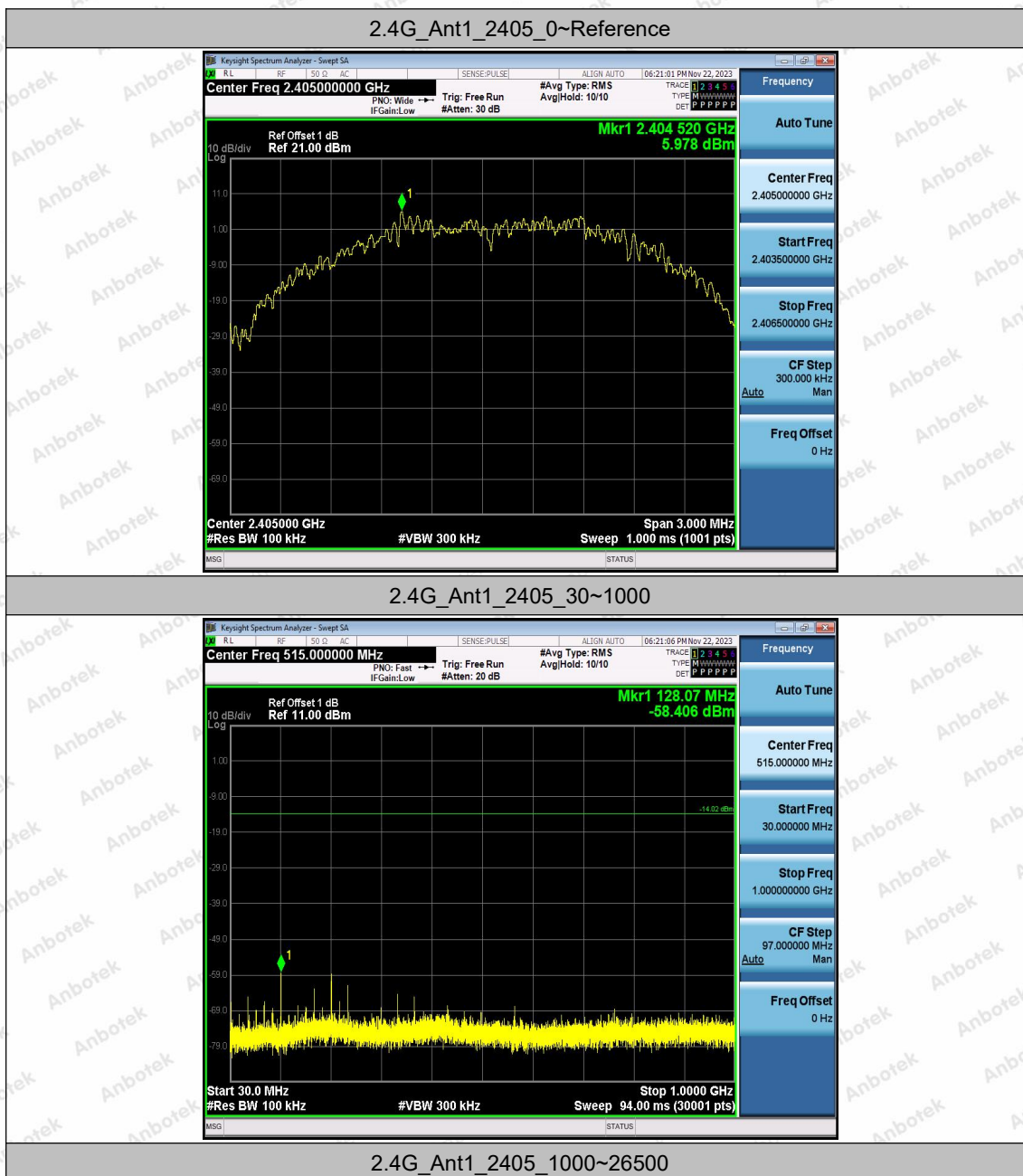
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2405	Reference	5.98	5.98	---	PASS
			30~1000	5.98	-58.41	≤-14.02	PASS
			1000~26500	5.98	-30.01	≤-14.02	PASS
		2430	Reference	4.80	4.80	---	PASS
			30~1000	4.80	-57.57	≤-15.2	PASS
			1000~26500	4.80	-28.47	≤-15.2	PASS
		2470	Reference	6.52	6.52	---	PASS
			30~1000	6.52	-57.64	≤-13.48	PASS
			1000~26500	6.52	-31.26	≤-13.48	PASS



Test Graphs



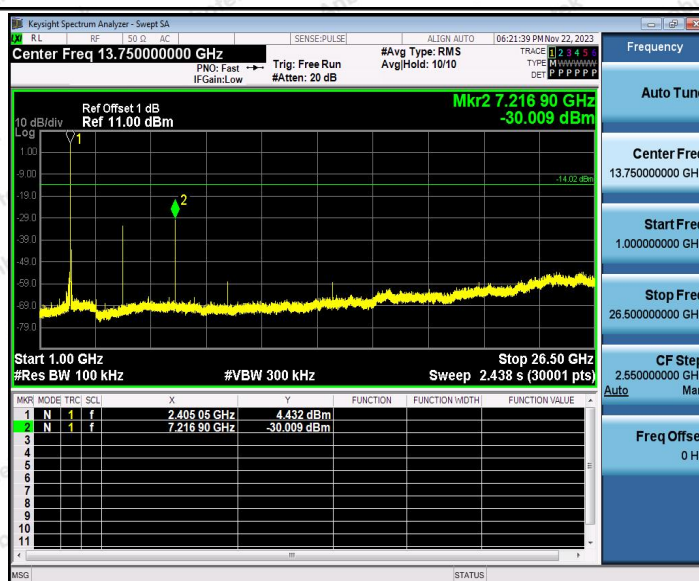
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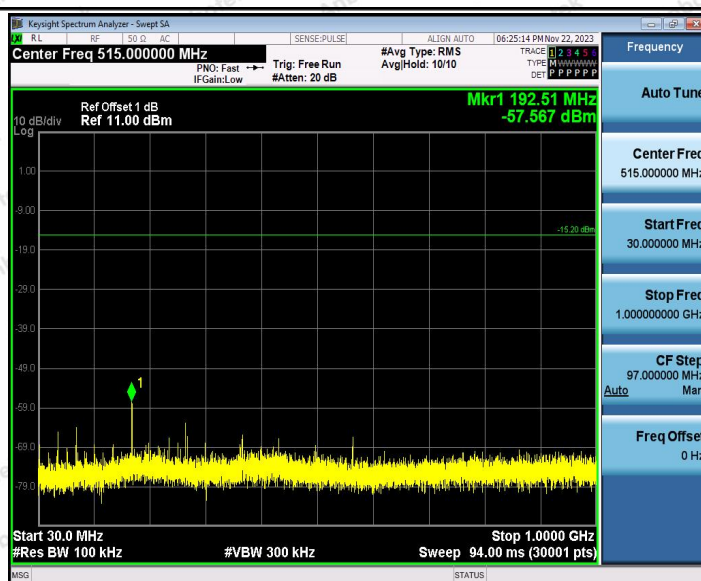


2.4G_Ant1_2430_0~Reference

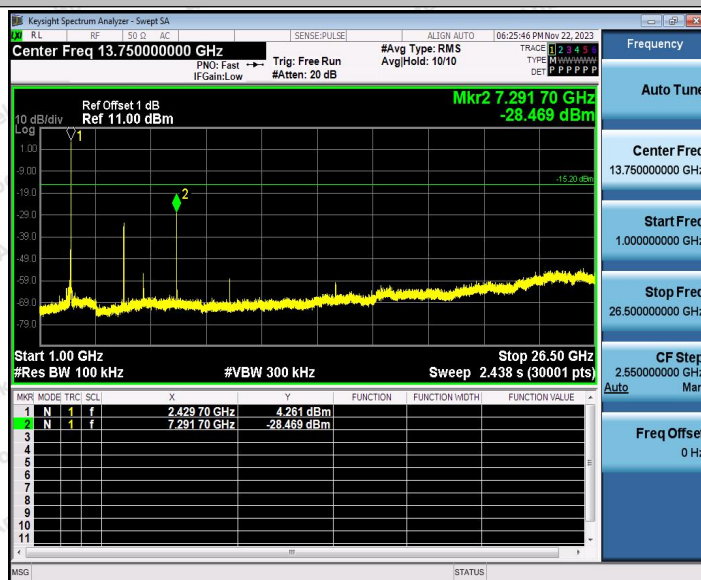


2.4G_Ant1_2430_30~1000





2.4G_Ant1_2430_1000~26500



2.4G_Ant1_2470_0~Reference

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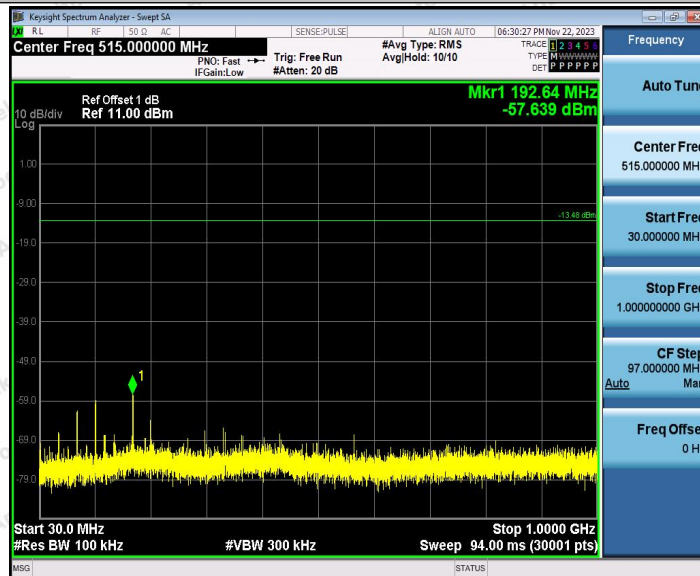


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2.4G_Ant1_2470_30~1000



2.4G_Ant1_2470_1000~26500

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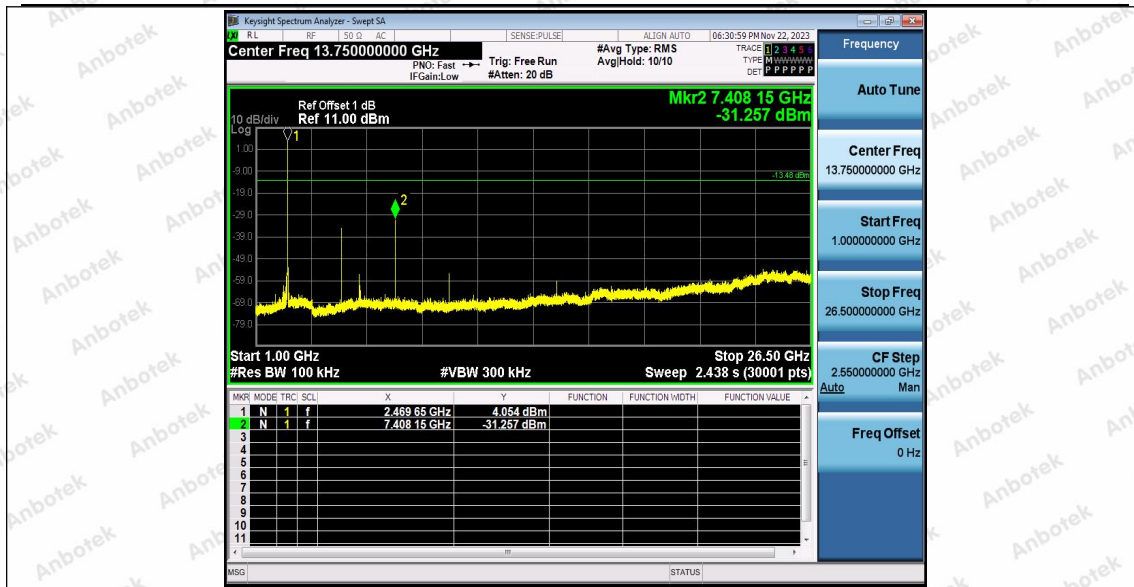


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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	19.00	19.00	100	0.00
		2430	19.00	19.00	100	0.00
		2470	19.00	19.00	100	0.00

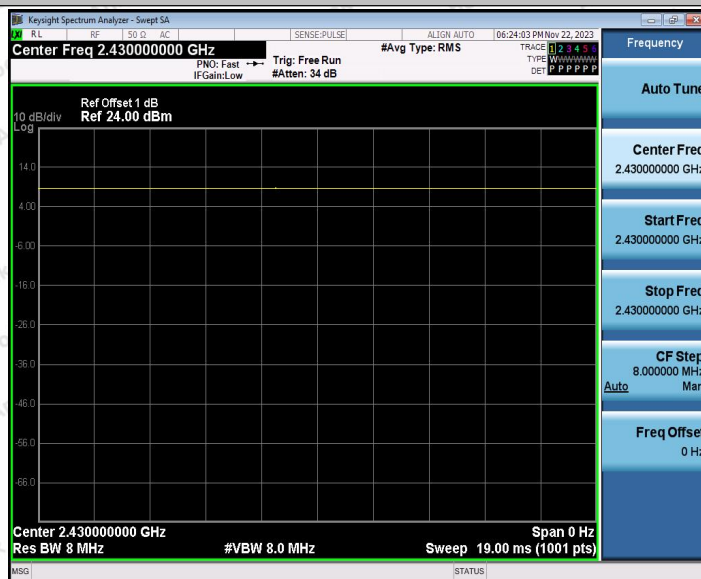


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2430



2.4G_Ant1_2470

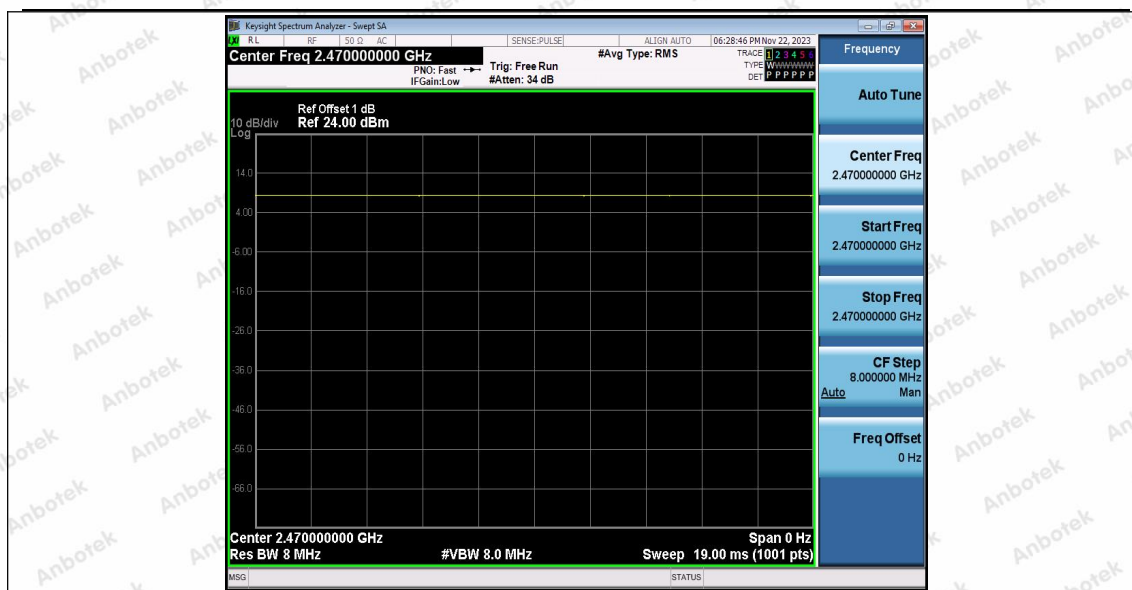
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