

Appendix Test Data

Report No:	18220WC20239401	Test Sample NO:	1-2-2
Start Test Date:	2022.10.11	Finish Test Date:	2022.10.12
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	27.3°C	Relative Humidity:	46.2%
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	2404	1.304	2403.332	2404.636	0.5	PASS
		2416	1.436	2415.252	2416.688	0.5	PASS
		2430	1.280	2429.300	2430.580	0.5	PASS



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

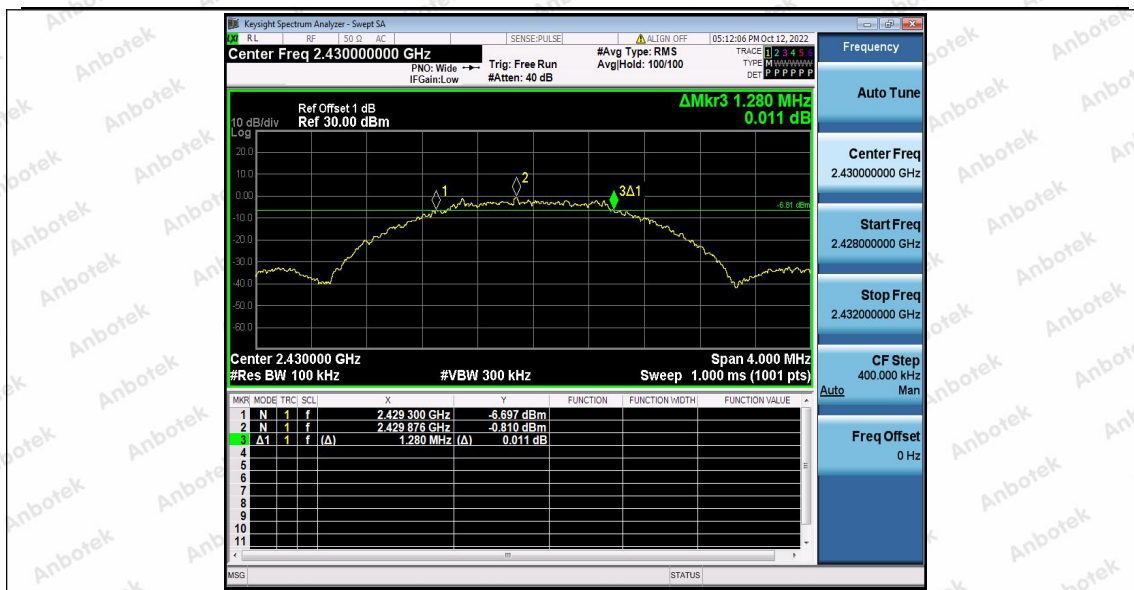
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2404	2.0623	2402.9585	2405.0208
		2416	2.0401	2414.9547	2416.9948
		2430	2.0313	2428.9701	2431.0014



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

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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	2404	1.18	≤30	PASS
		2416	1.07	≤30	PASS
		2430	0.99	≤30	PASS

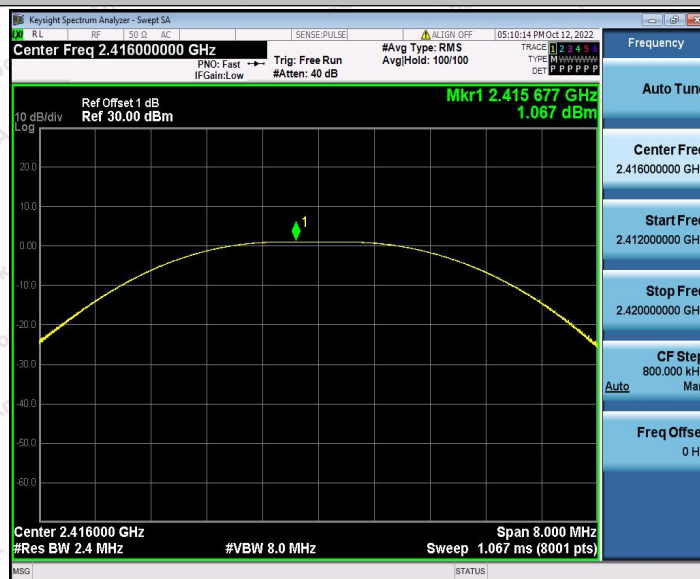


Test Graphs Peak

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

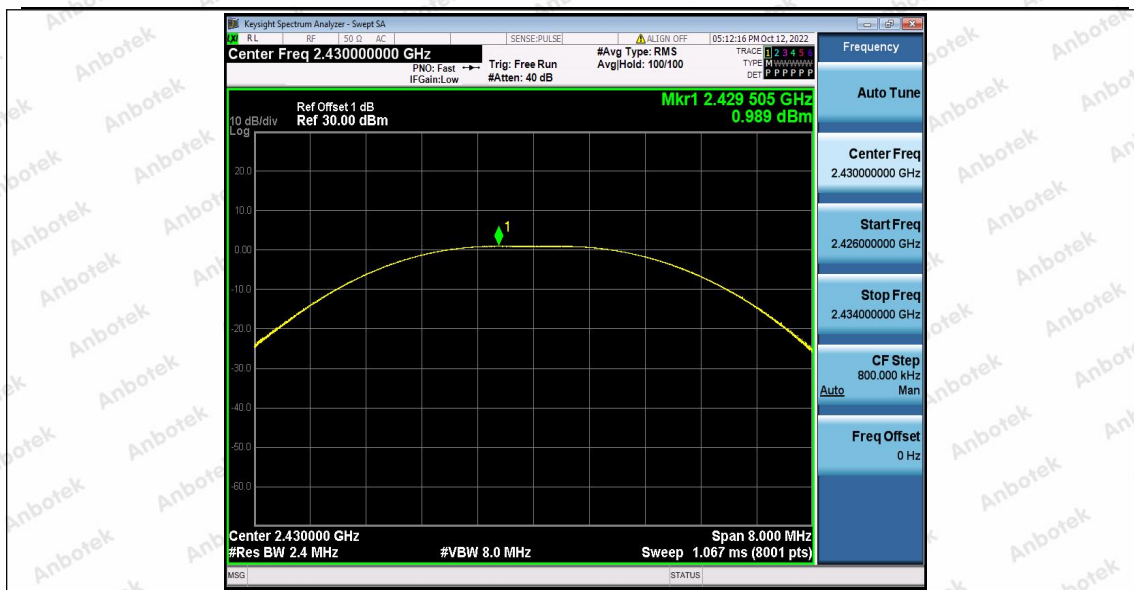
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Appendix D: Maximum power spectral density

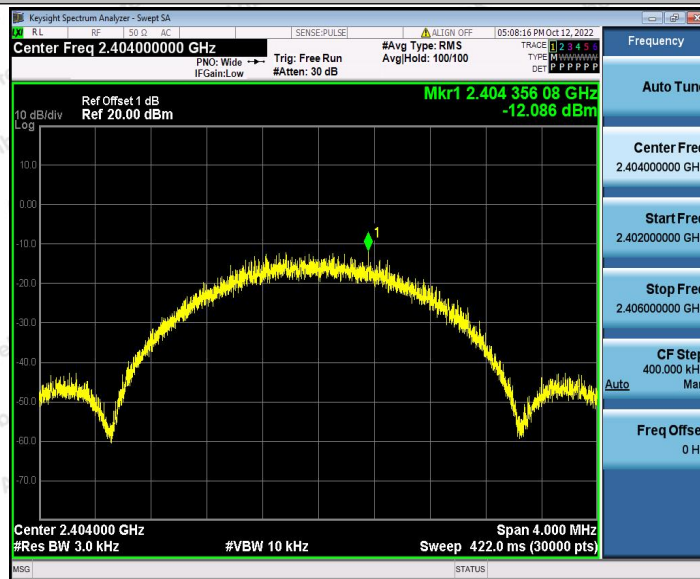
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2404	-12.09	≤8.00	PASS
		2416	-12.17	≤8.00	PASS
		2430	-12.1	≤8.00	PASS

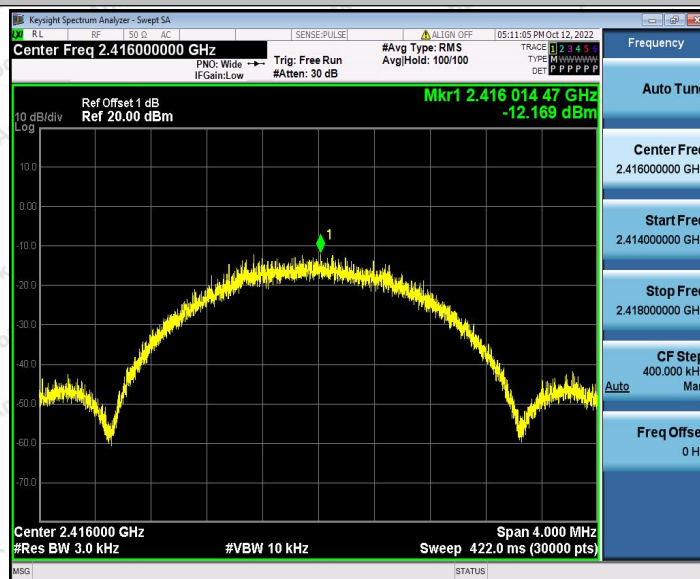


Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

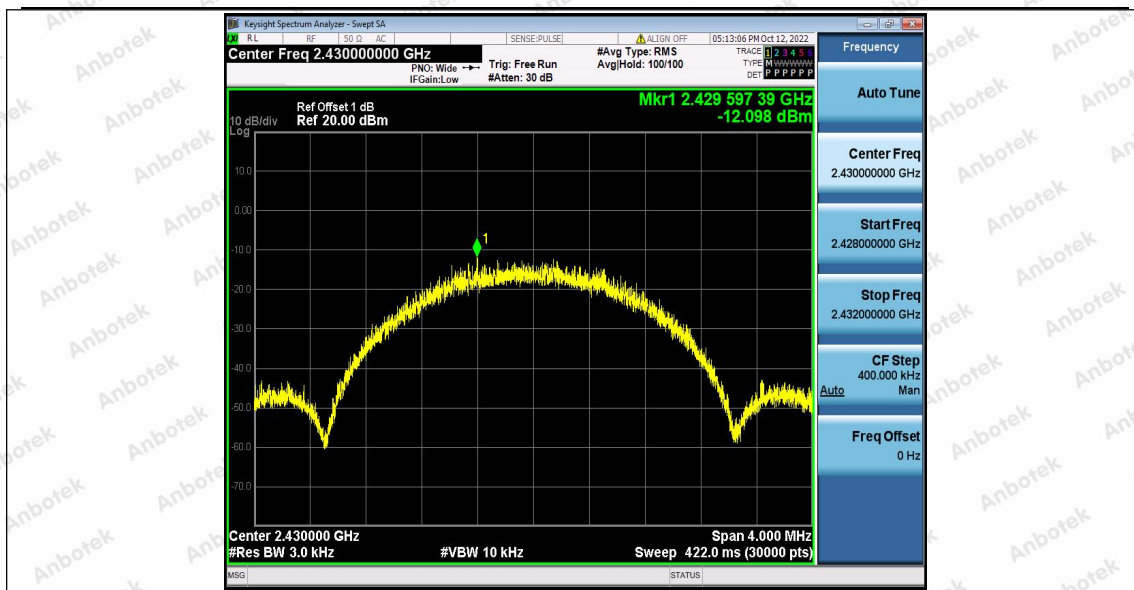
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Appendix E: Band edge measurements

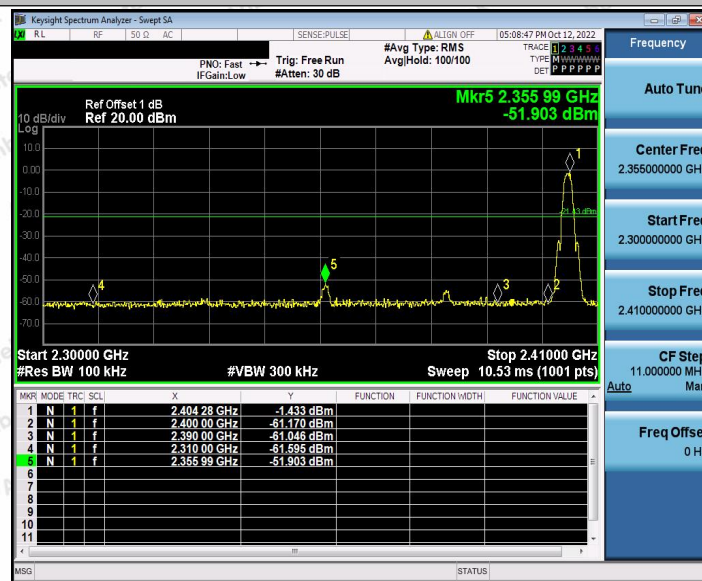
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2404	-1.433	-61.046	≤-21.43	PASS
	Ant1	High	2430	-0.621	-58.163	≤-19.38	PASS

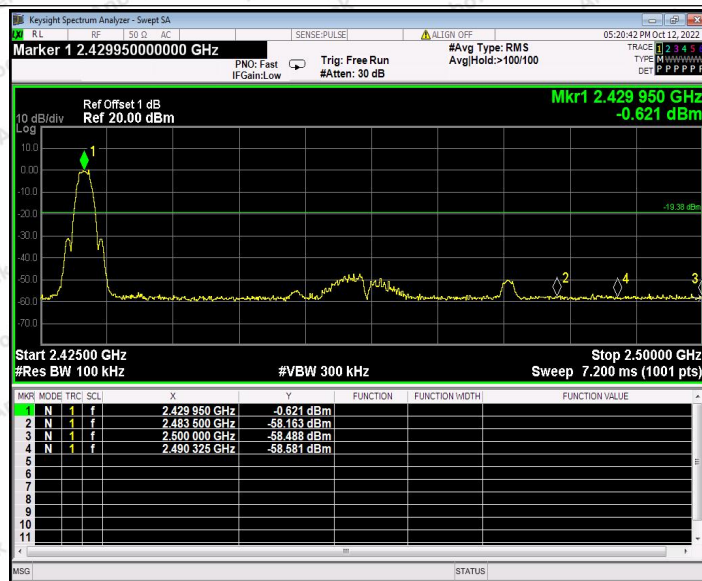


Test Graphs

2.4G_Ant1_Low



2.4G_Ant1_High



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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	2404	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-60.67	≤-21.32	PASS
			1000~26500	-1.32	-35.01	≤-21.32	PASS
		2416	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-61.09	≤-21.61	PASS
			1000~26500	-1.61	-34.23	≤-21.61	PASS
		2430	Reference	-1.96	-1.96	---	PASS
			30~1000	-1.96	-62.3	≤-21.96	PASS
			1000~26500	-1.96	-35.02	≤-21.96	PASS

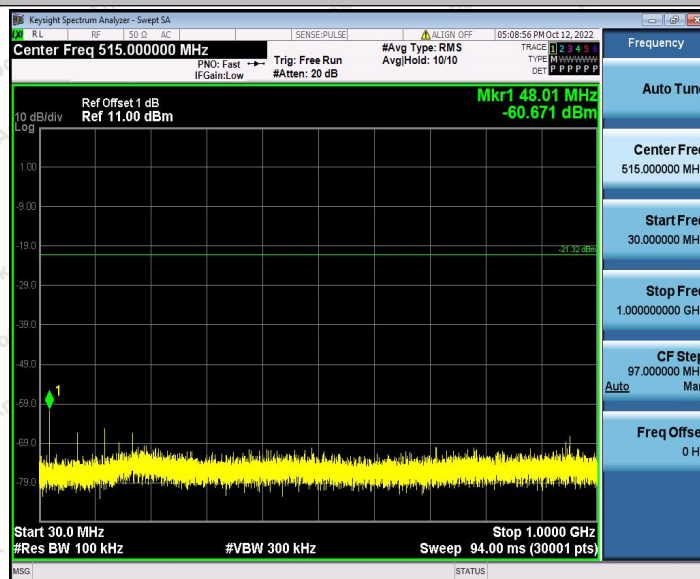


Test Graphs

2.4G_Ant1_2404_0~Reference



2.4G_Ant1_2404_30~1000



2.4G_Ant1_2404_1000~26500

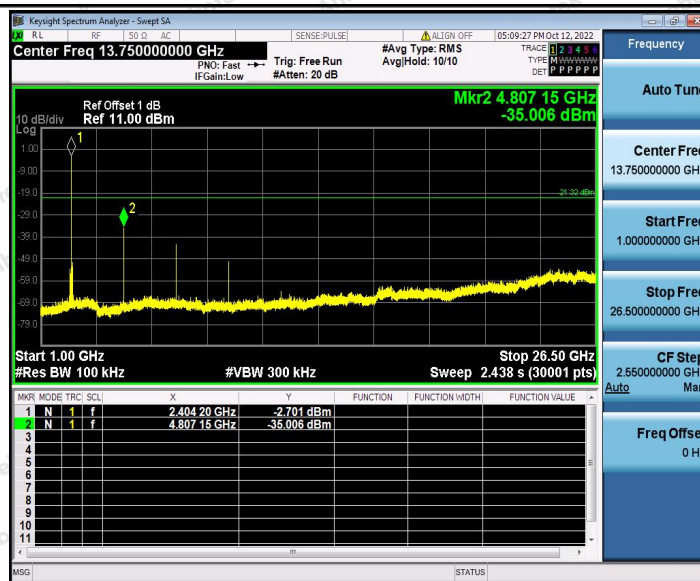
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2.4G_Ant1_2416_0~Reference



2.4G_Ant1_2416_30~1000

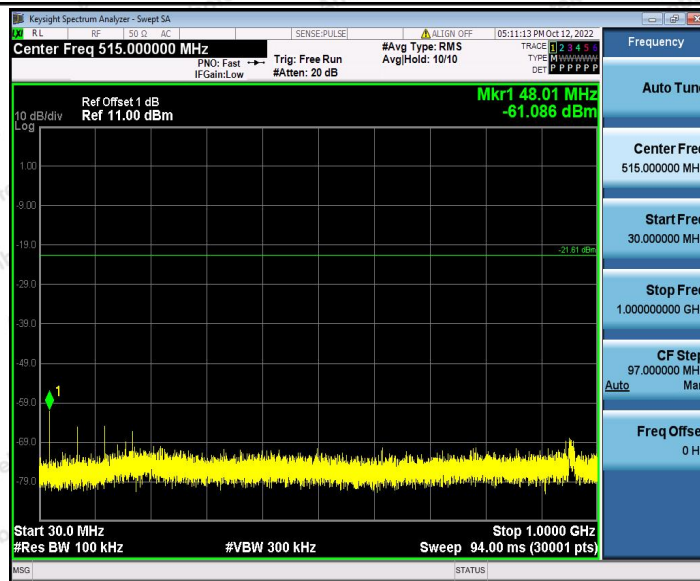
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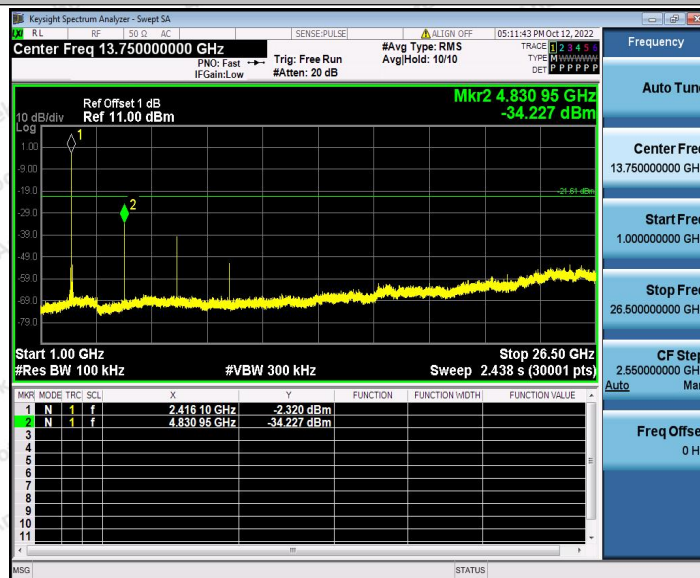


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2.4G_Ant1_2416_1000~26500



2.4G_Ant1_2430_0~Reference

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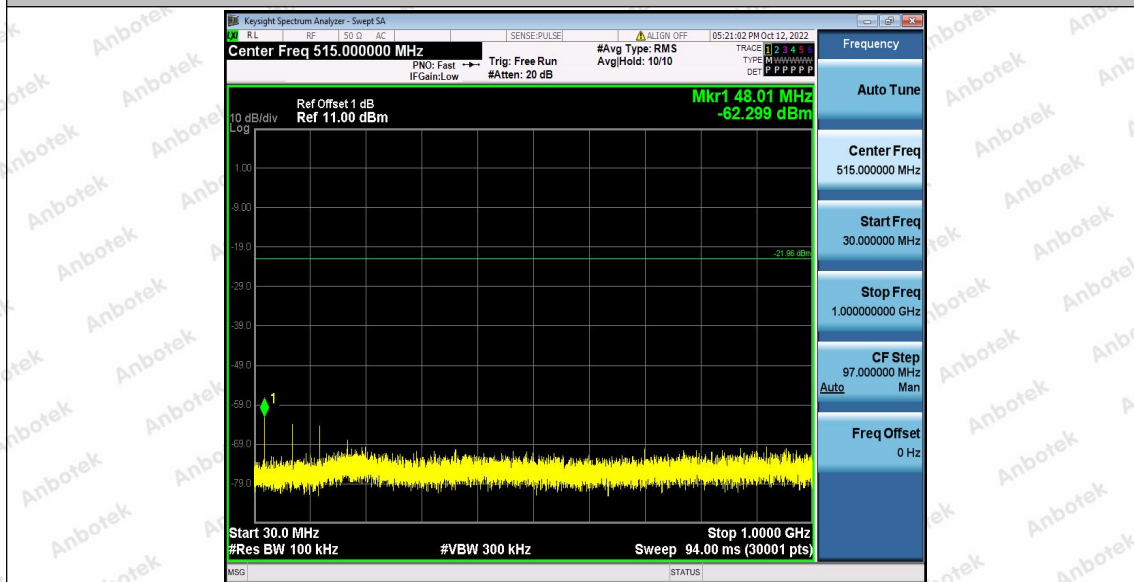


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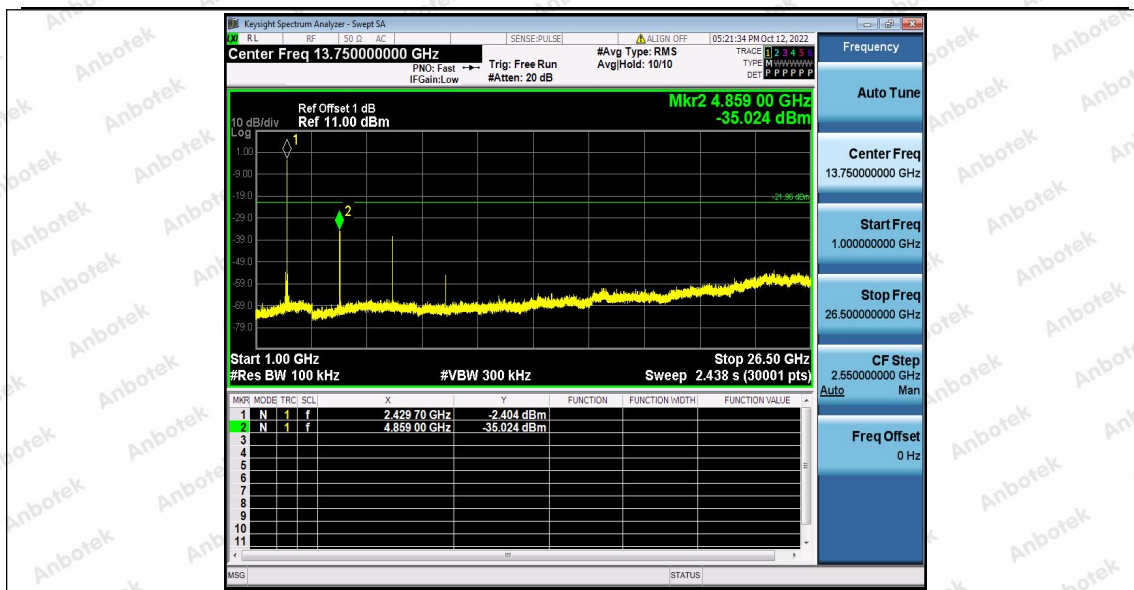


2.4G_Ant1_2430_30~1000



2.4G_Ant1_2430_1000~26500





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Appendix G: Duty Cycle

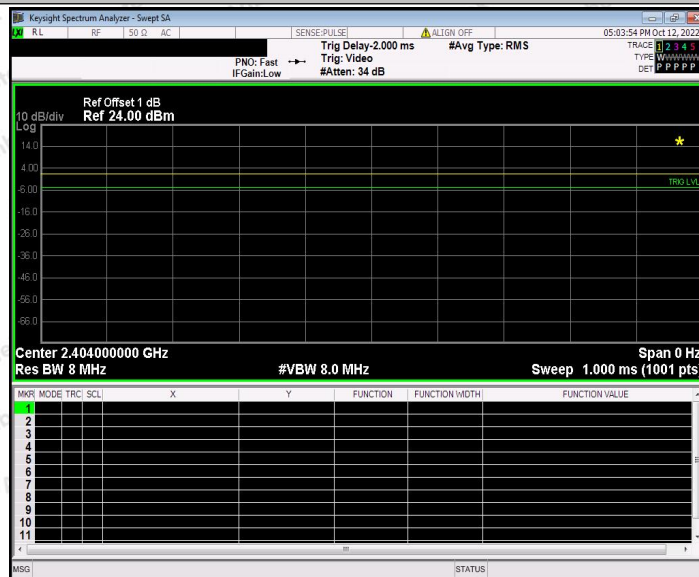
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
2.4G	Ant1	2404	1.000	1.000	100	0
2.4G	Ant1	2416	1.000	1.000	100	0
2.4G	Ant1	2430	1.000	1.000	100	0



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

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