

Appendix Test Data

Report No.:	18220WC20183701	Test Sample No.:	1-2-2
Start Test Date:	2022.9.27	Finish Test Date:	2022.10.10
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2404	1.268	2403.324	2404.592	0.5	PASS
		2416	1.360	2415.304	2416.664	0.5	PASS
		2430	1.344	2429.268	2430.612	0.5	PASS



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

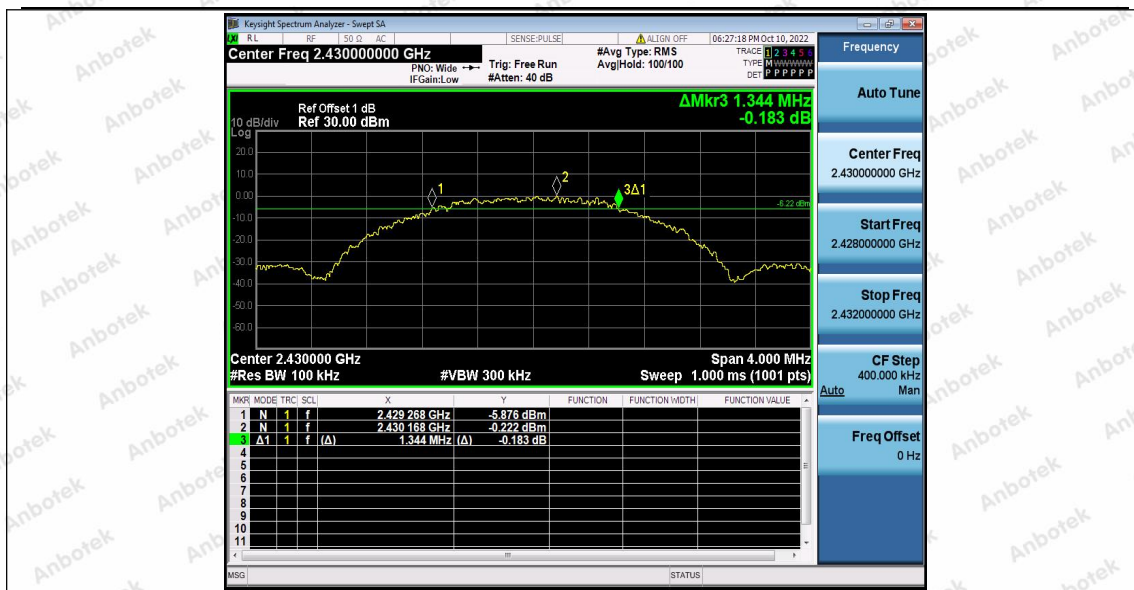
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2404	2.0550	2402.9470	2405.0020
		2416	2.0689	2414.9429	2417.0118
		2430	2.0272	2428.9536	2430.9808



Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

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Appendix C: Maximum conducted output power

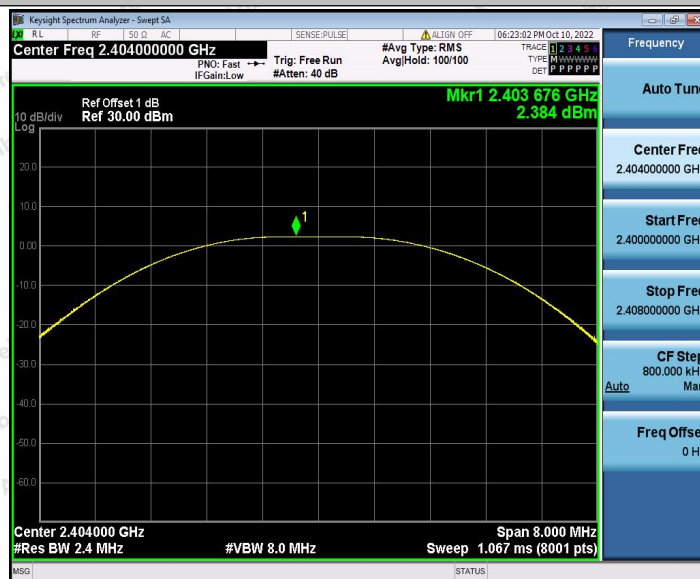
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2404	2.38	≤30	PASS
		2416	2.36	≤30	PASS
		2430	2.37	≤30	PASS

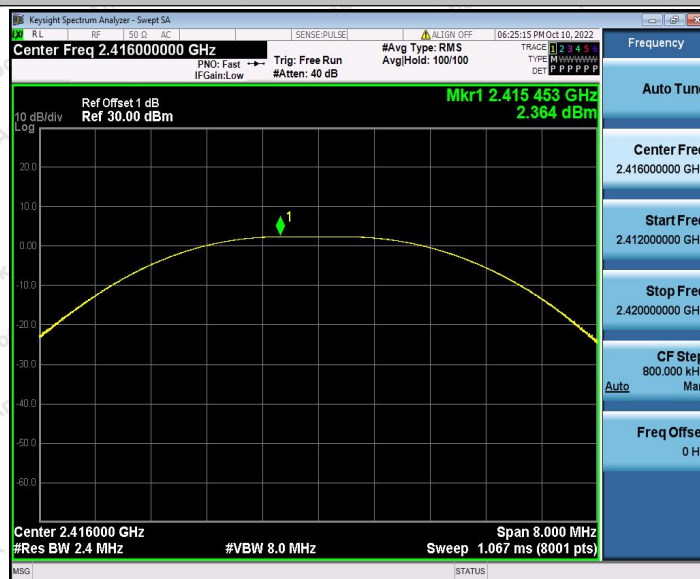


Test Graphs Peak

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

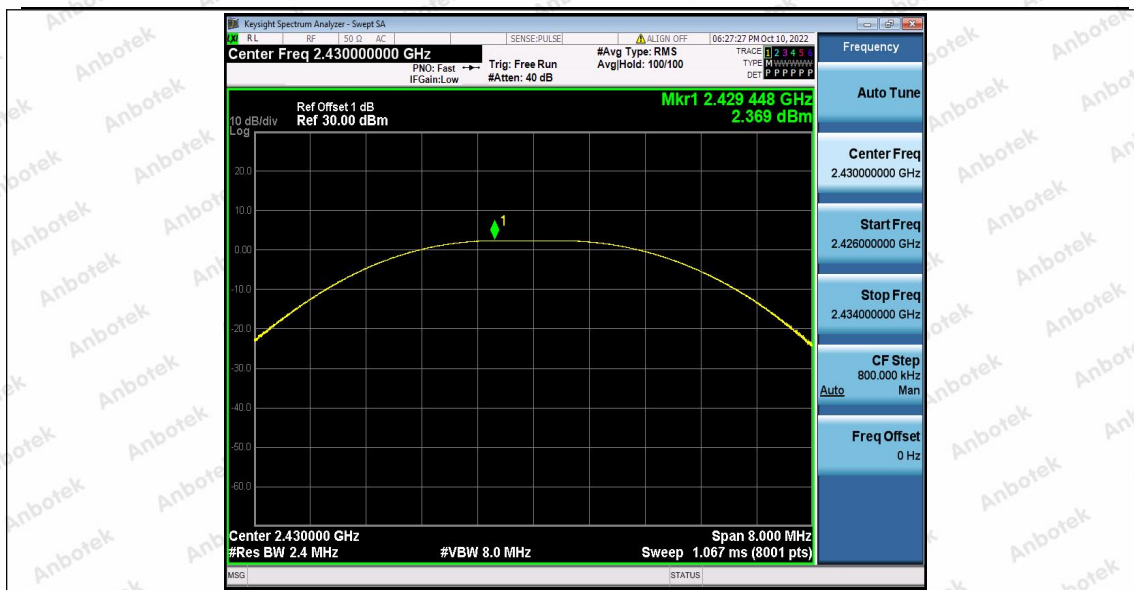
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Appendix D: Maximum power spectral density

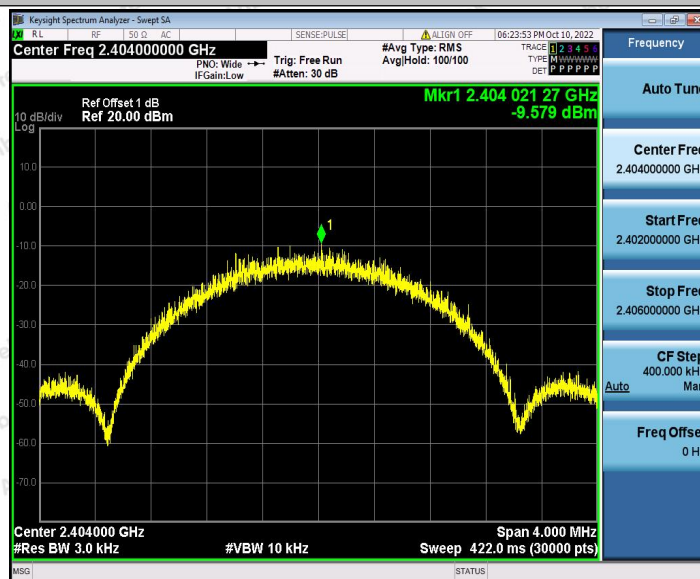
Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2404	-9.58	≤8.00	PASS
		2416	-10.6	≤8.00	PASS
		2430	-10.04	≤8.00	PASS

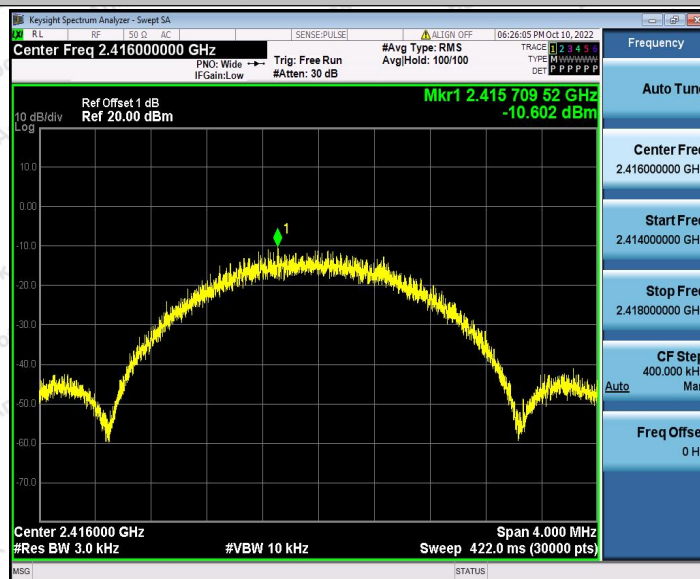


Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

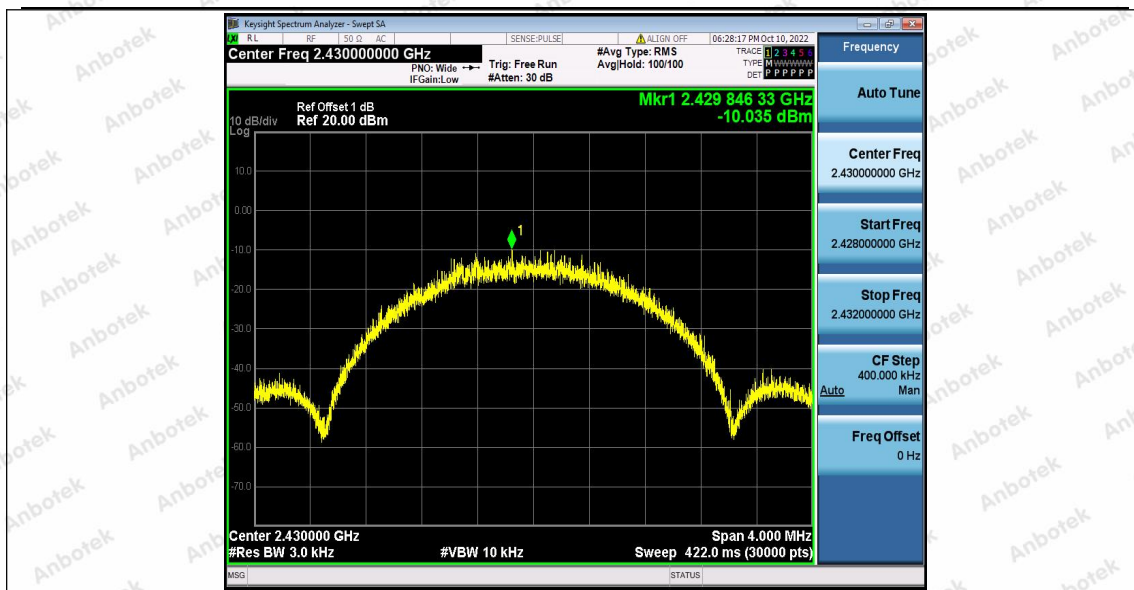
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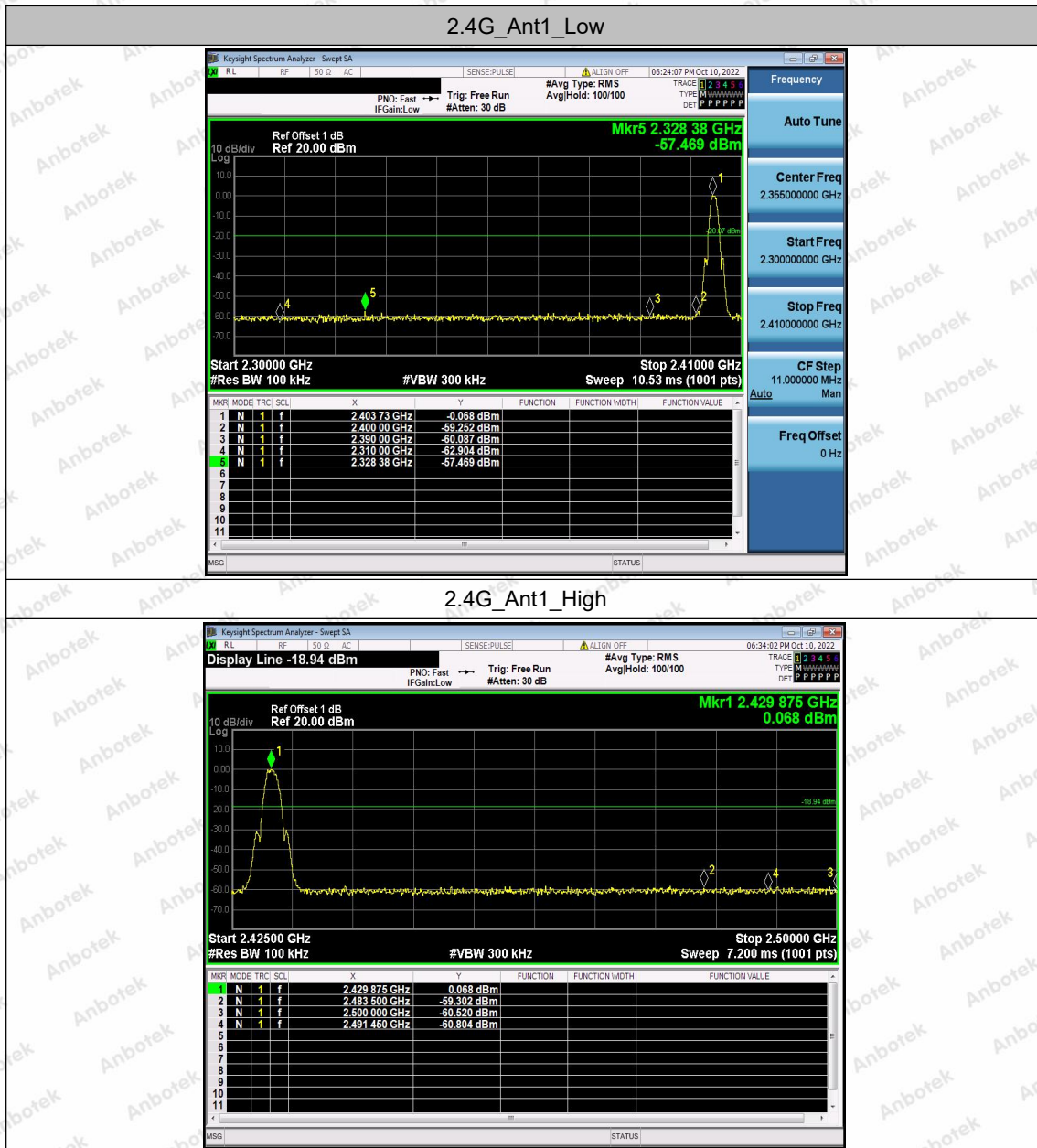
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2404	-0.068	-60.087	≤-20.07	PASS
	Ant1	High	2430	0.068	-59.302	≤-18.94	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2404	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-63.98	≤-19.45	PASS
			1000~26500	0.55	-24.73	≤-19.45	PASS
		2416	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-64.15	≤-21.32	PASS
			1000~26500	-1.32	-23.79	≤-21.32	PASS
		2430	Reference	-0.35	-0.35	---	PASS
			30~1000	-0.35	-64.33	≤-20.35	PASS
			1000~26500	-0.35	-22.77	≤-20.35	PASS

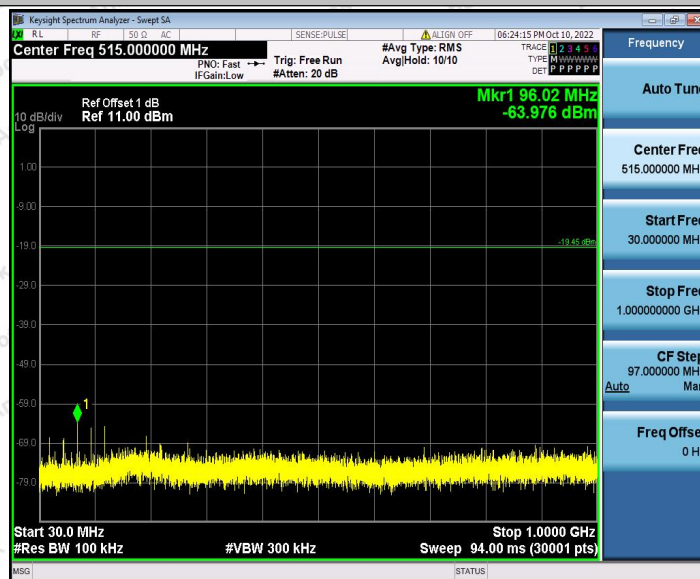


Test Graphs

2.4G_Ant1_2404_0~Reference



2.4G_Ant1_2404_30~1000



2.4G_Ant1_2404_1000~26500

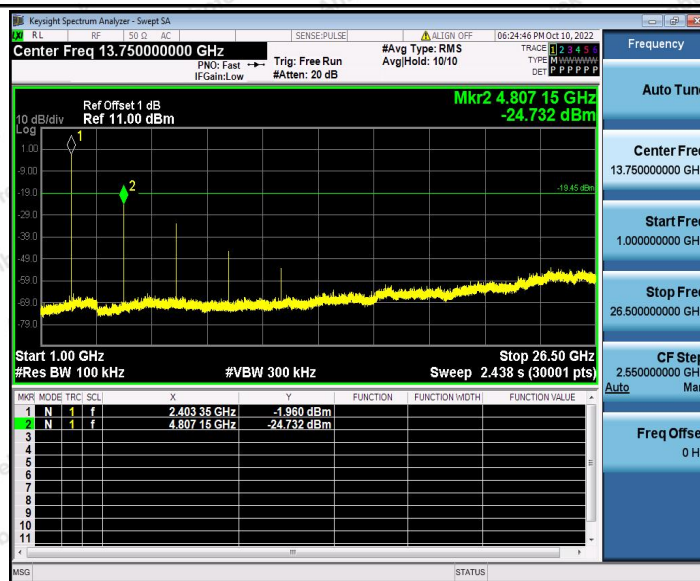
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2.4G_Ant1_2416_0~Reference



2.4G_Ant1_2416_30~1000

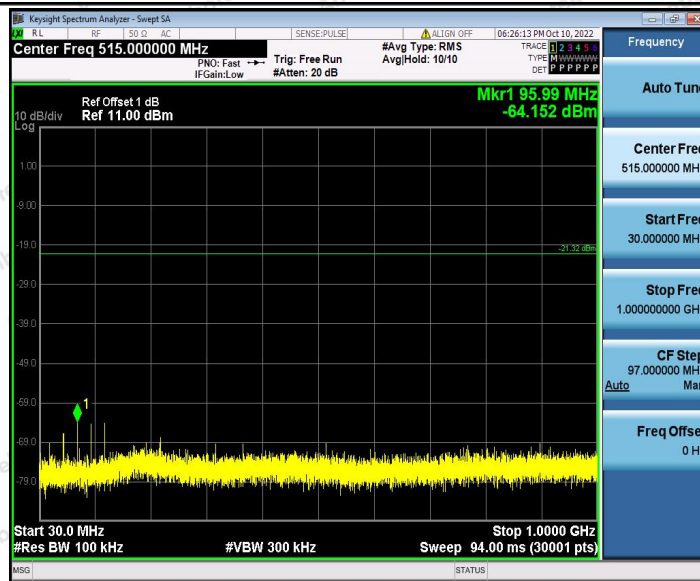
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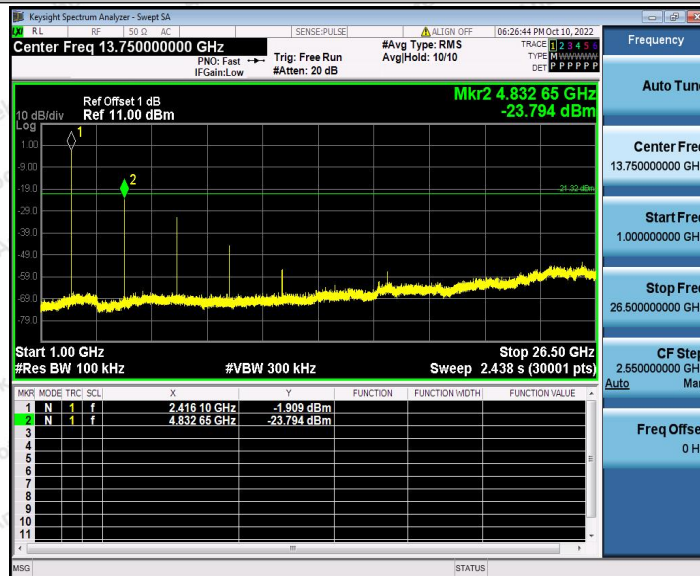


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2.4G_Ant1_2416_1000~26500



2.4G_Ant1_2430_0~Reference

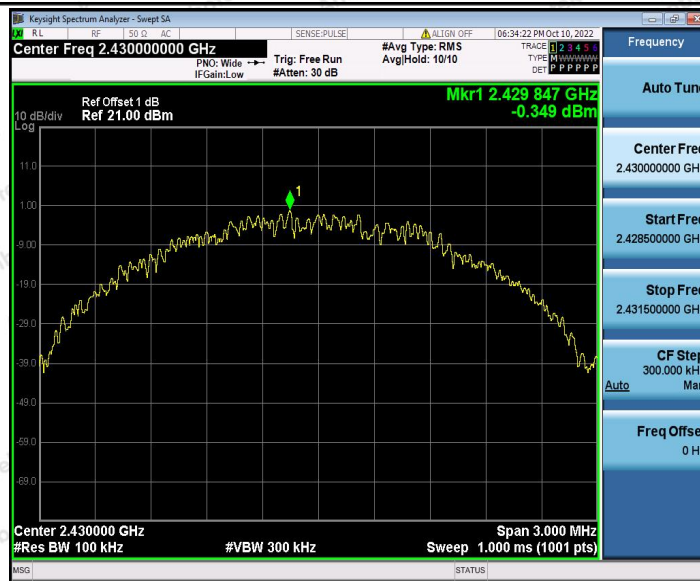
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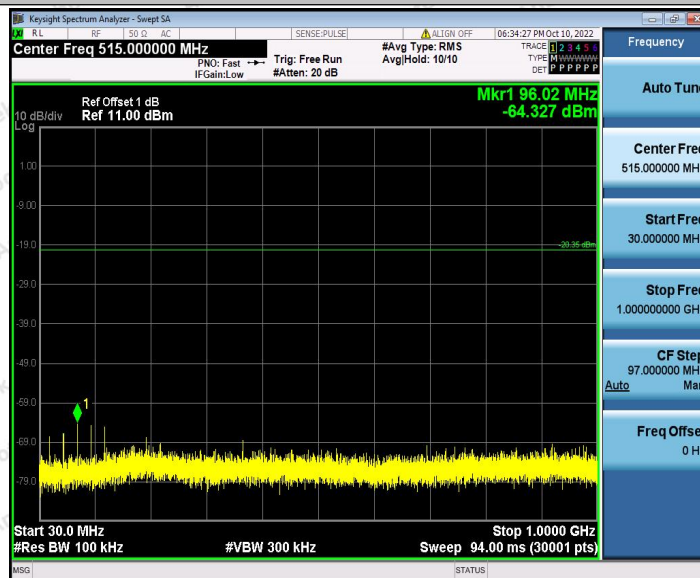


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2.4G_Ant1_2430_30~1000



2.4G_Ant1_2430_1000~26500

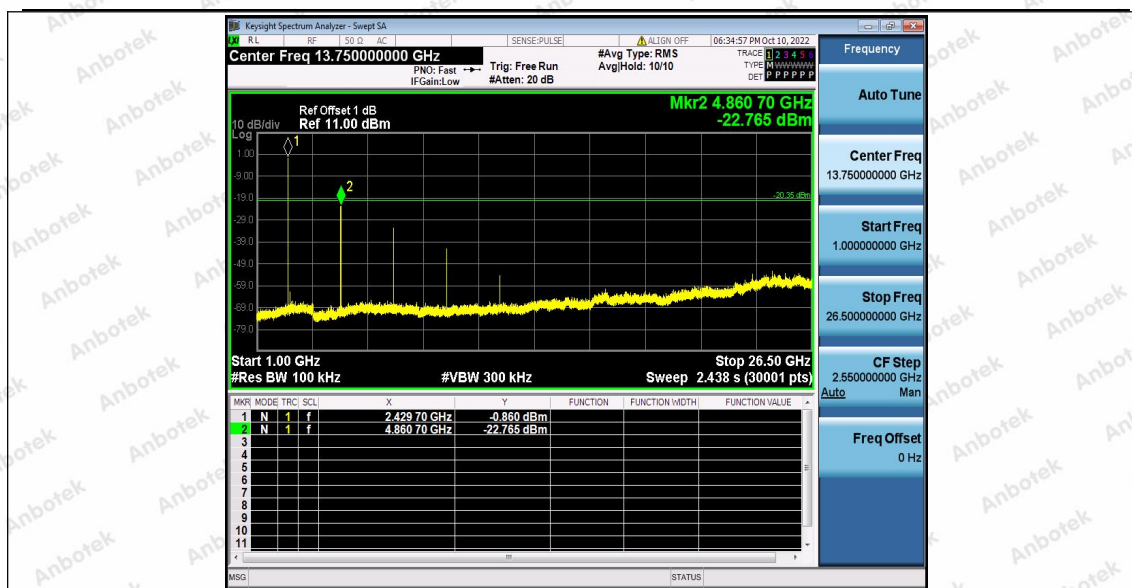
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Appendix G: Duty Cycle

Test Result

Test Mode	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

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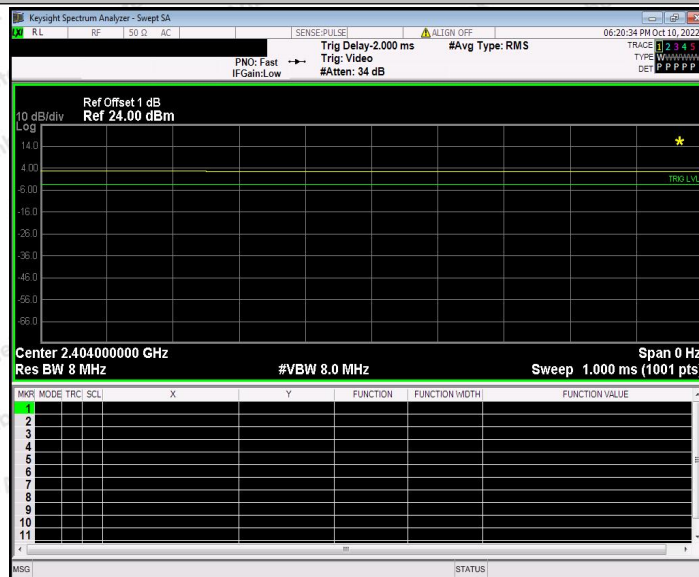


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Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

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