

Appendix Test Data

Report No.:	18220WC20182801	Test Sample No.:	1-2-2
Start Test Date:	2022.10.17	Finish Test Date:	2022.10.19
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	27.3°C	Relative Humidity:	47 %
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	1.356	2403.324	2404.680	0.5	PASS
		2416	1.404	2415.272	2416.676	0.5	PASS
		2430	1.244	2429.332	2430.576	0.5	PASS



Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

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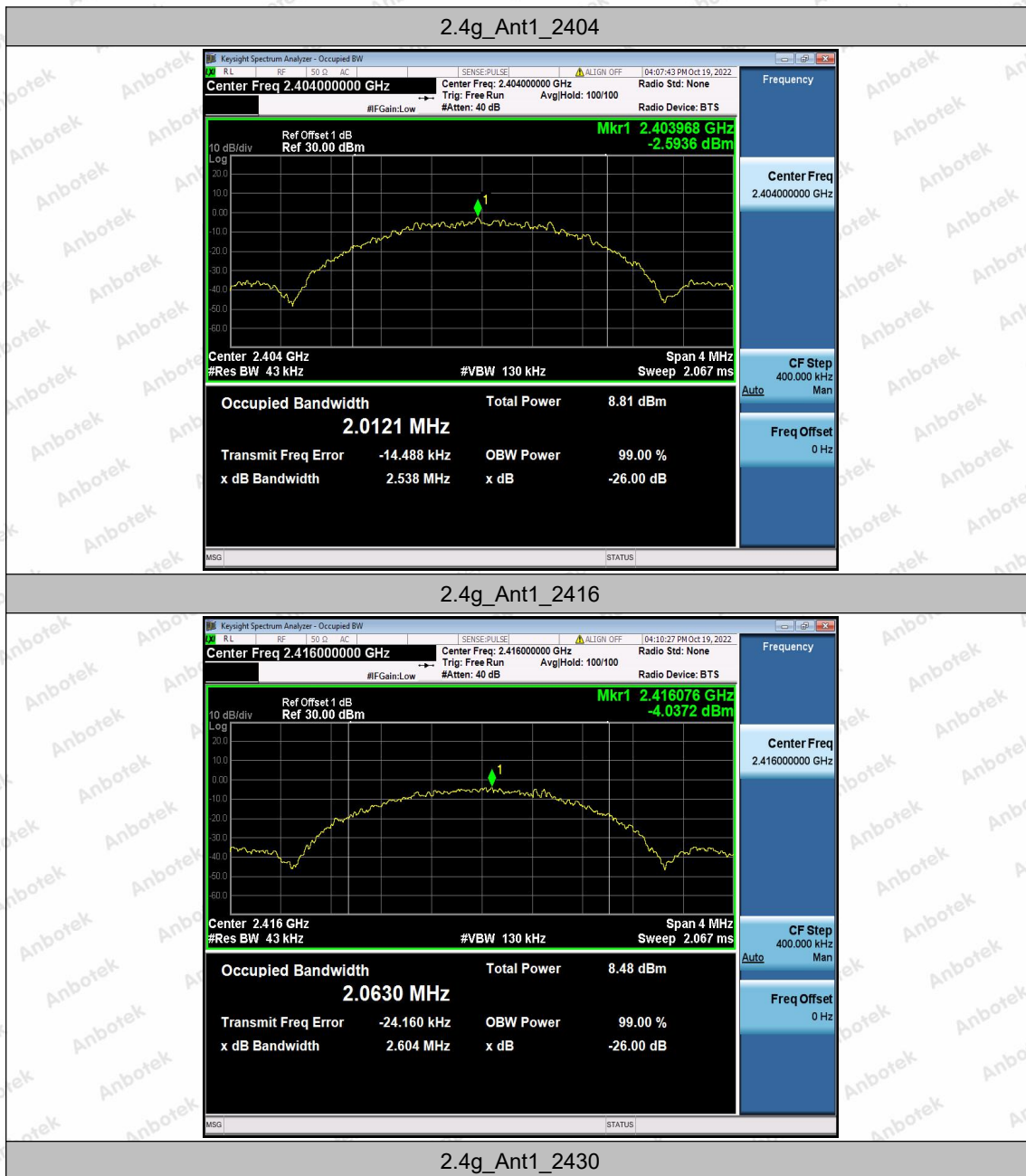
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4g	Ant1	2404	2.0121	2402.9795	2404.9916
		2416	2.0630	2414.9443	2417.0073
		2430	2.0615	2428.9566	2431.0181



Test Graphs



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Appendix C: Maximum conducted output power

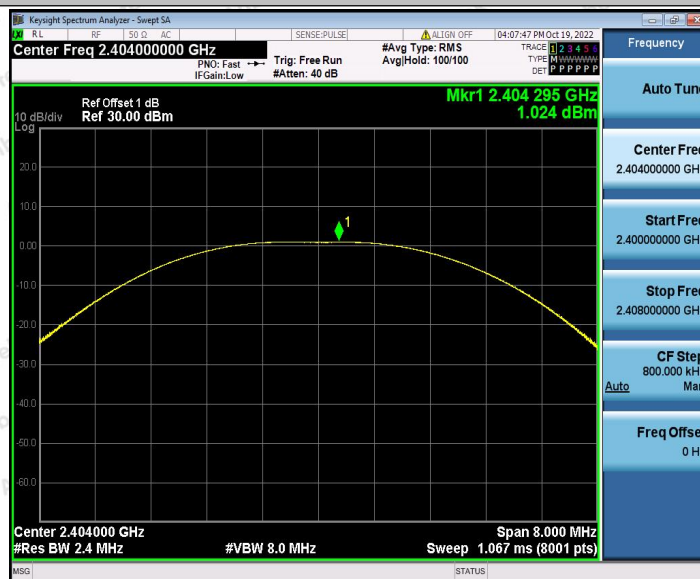
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4g	Ant1	2404	1.02	≤30	PASS
		2416	1	≤30	PASS
		2430	1	≤30	PASS

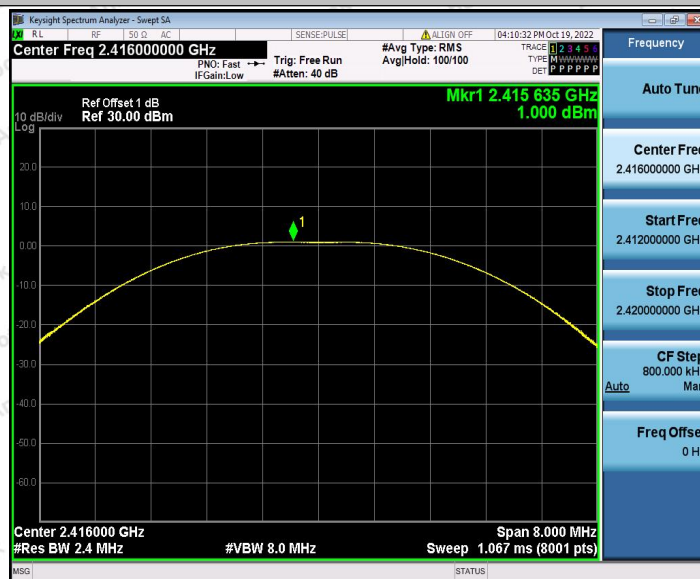


Test Graphs Peak

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

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Appendix D: Maximum power spectral density

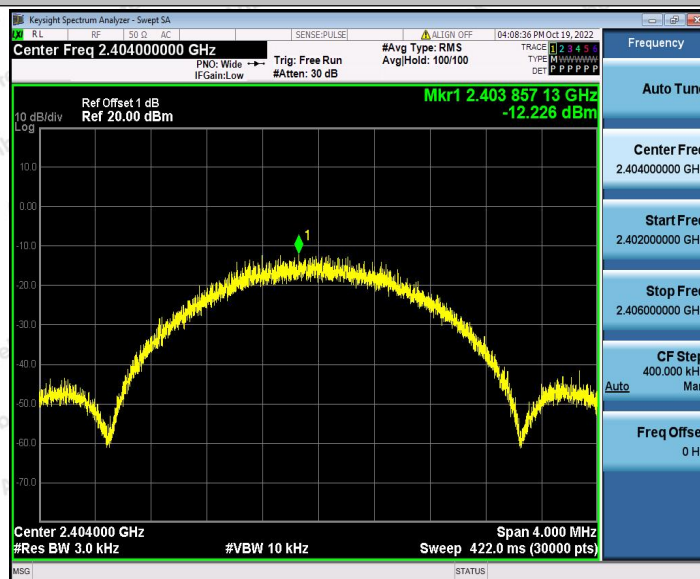
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2404	-12.23	≤8.00	PASS
		2416	-12.76	≤8.00	PASS
		2430	-12.11	≤8.00	PASS

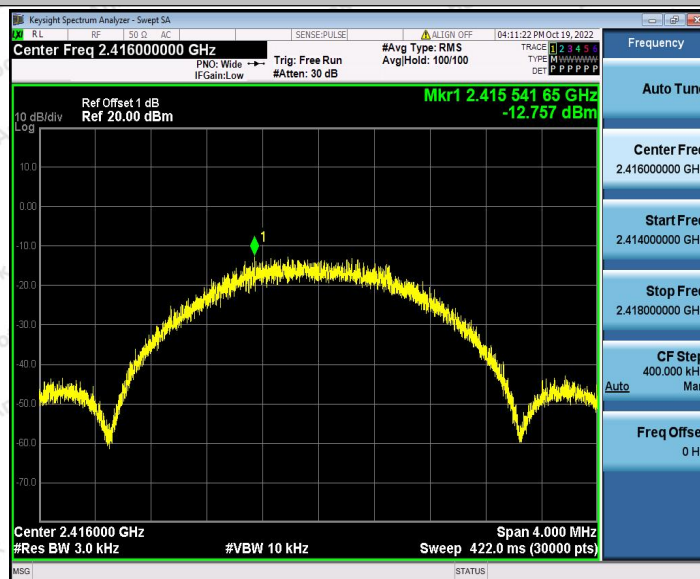


Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

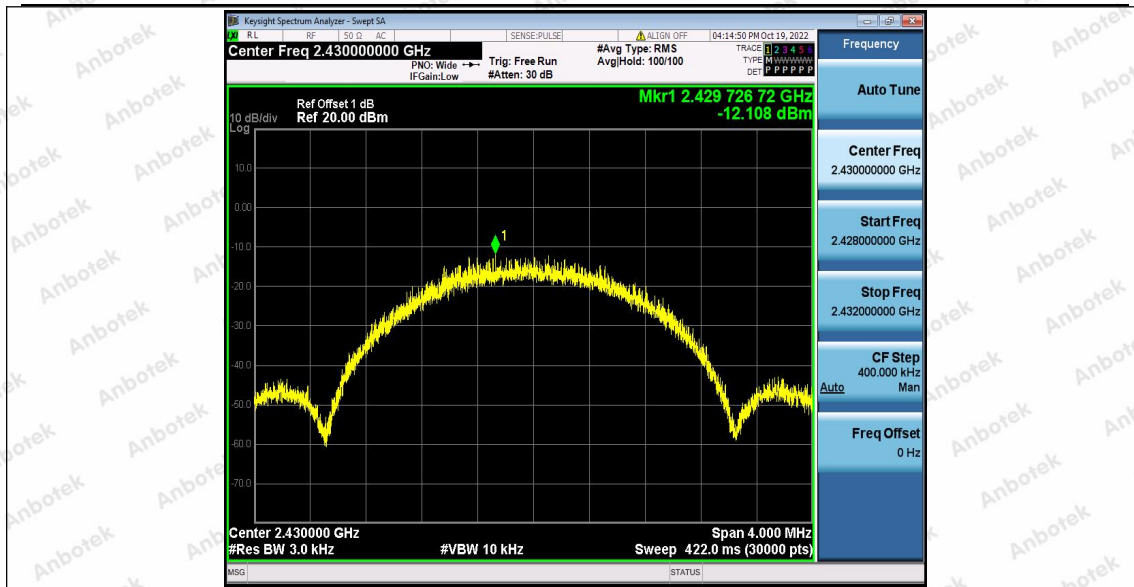
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Appendix E: Band edge measurements

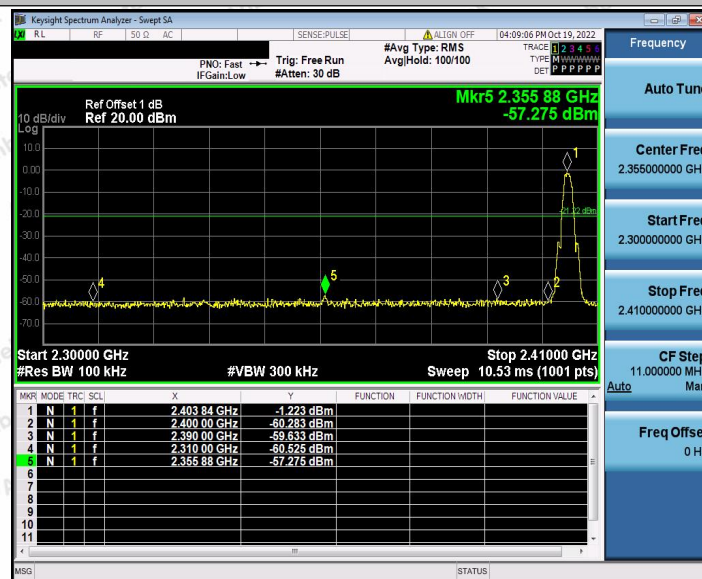
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2404	-1.22	-57.28	≤-21.22	PASS
			2430	-1.33	-60.04	≤-18.68	PASS

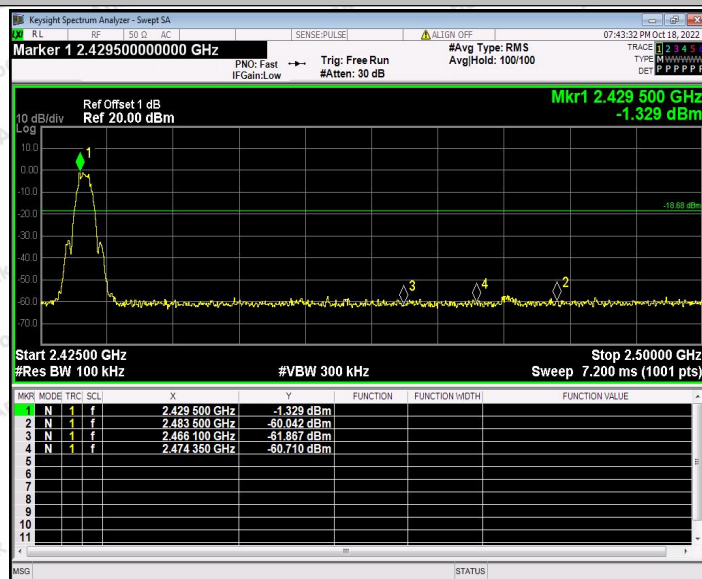


Test Graphs

2.4g_Ant1_Low_2404



2.4g_Ant1_Low_2430



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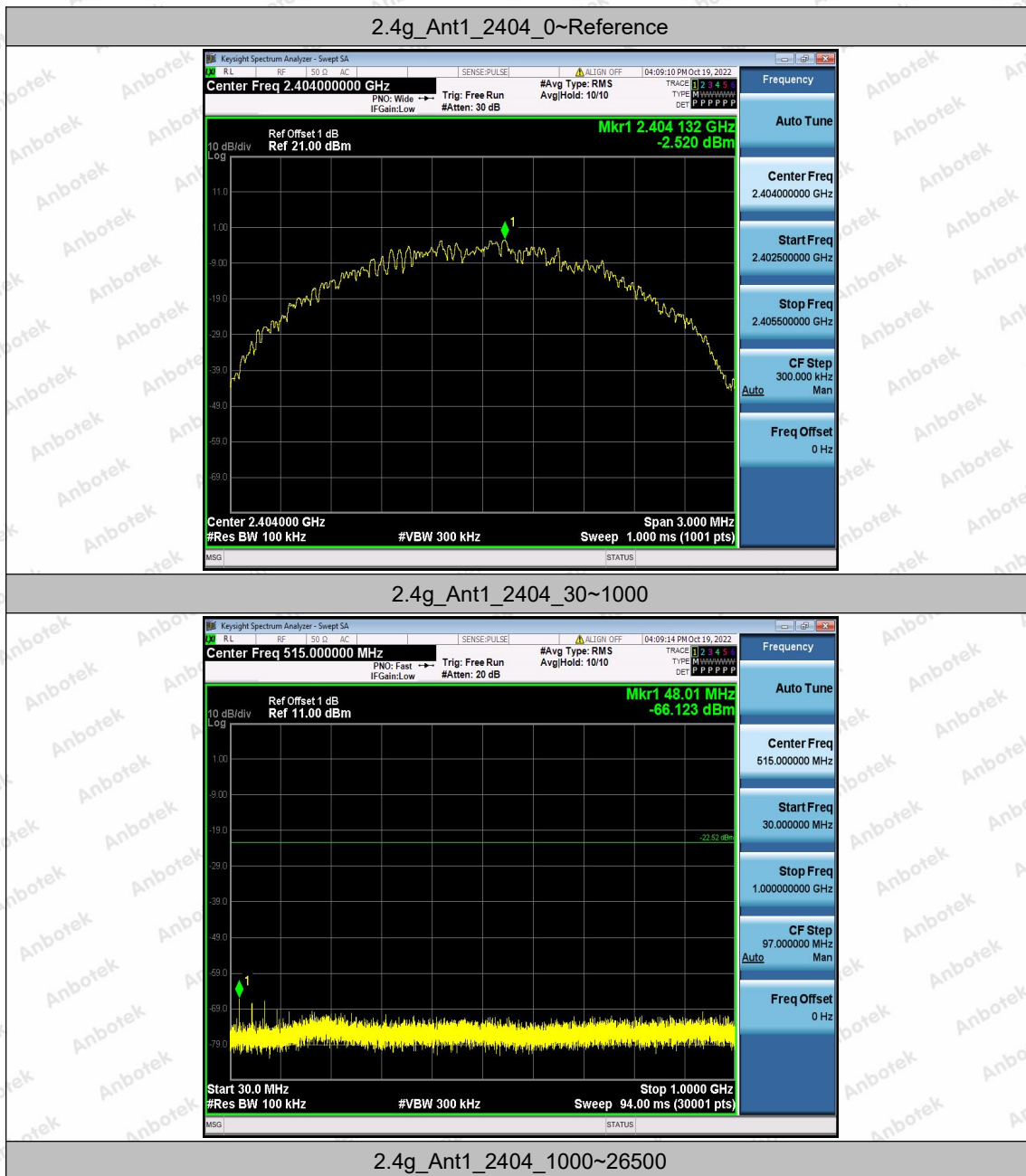
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	2404	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-66.12	≤-22.52	PASS
			1000~26500	-2.52	-24.12	≤-22.52	PASS
		2416	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-65.47	≤-21.47	PASS
			1000~26500	-1.47	-22.76	≤-21.47	PASS
		2430	Reference	-1.73	-1.73	---	PASS
			30~1000	-1.73	-66.74	≤-21.73	PASS
			1000~26500	-1.73	-23.22	≤-21.73	PASS



Test Graphs



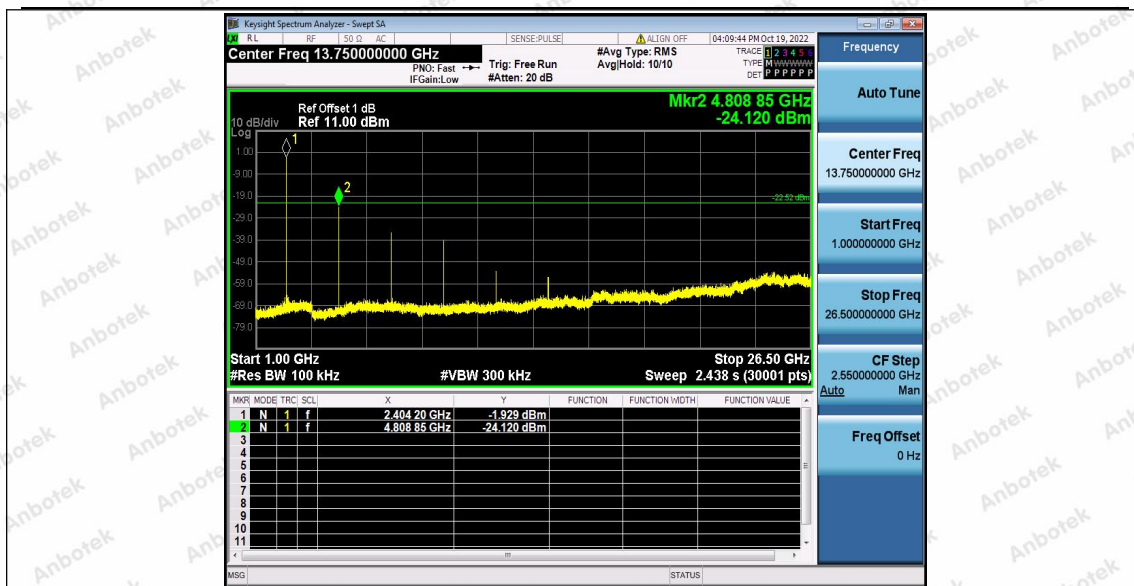
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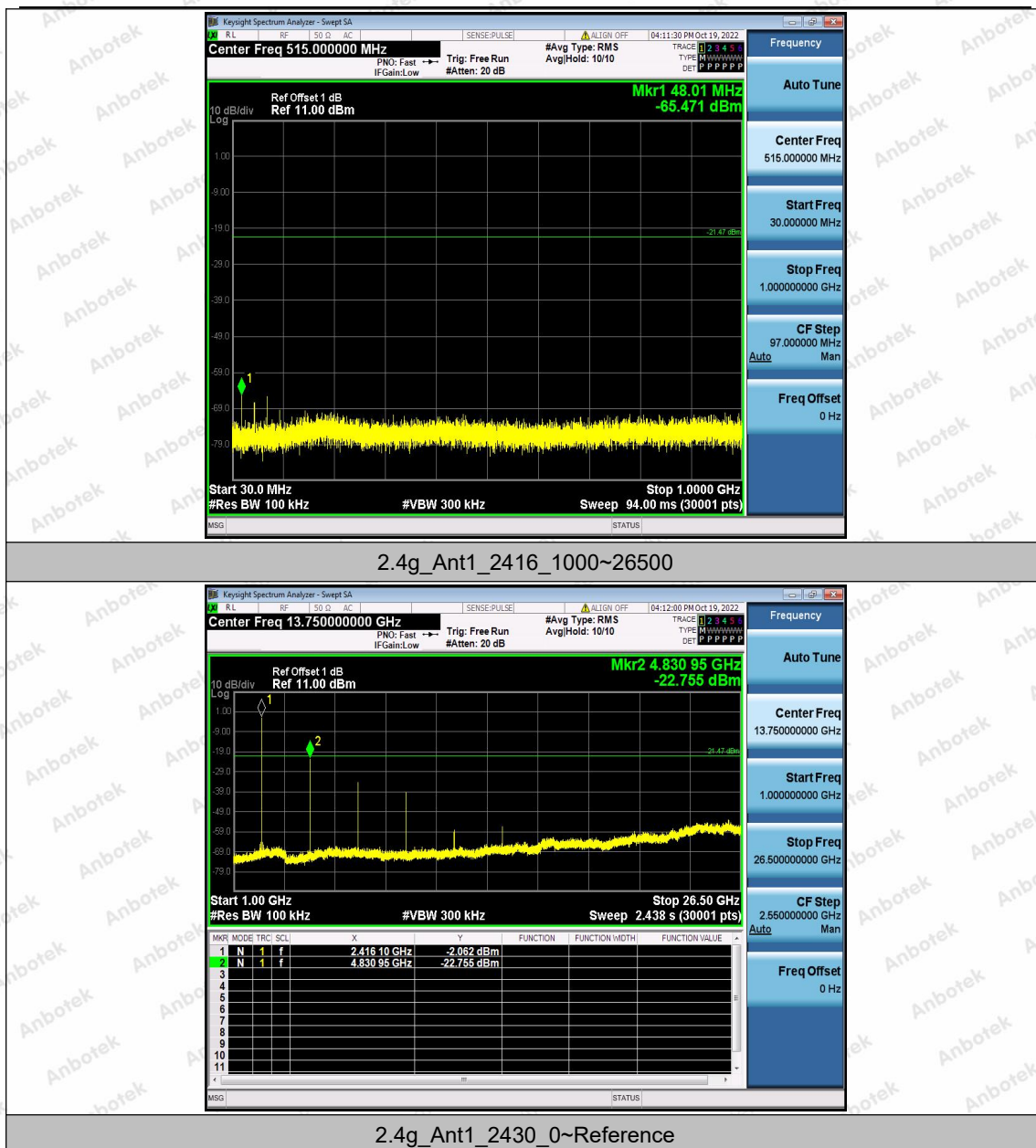


2.4g_Ant1_2416_0~Reference



2.4g_Ant1_2416_30~1000





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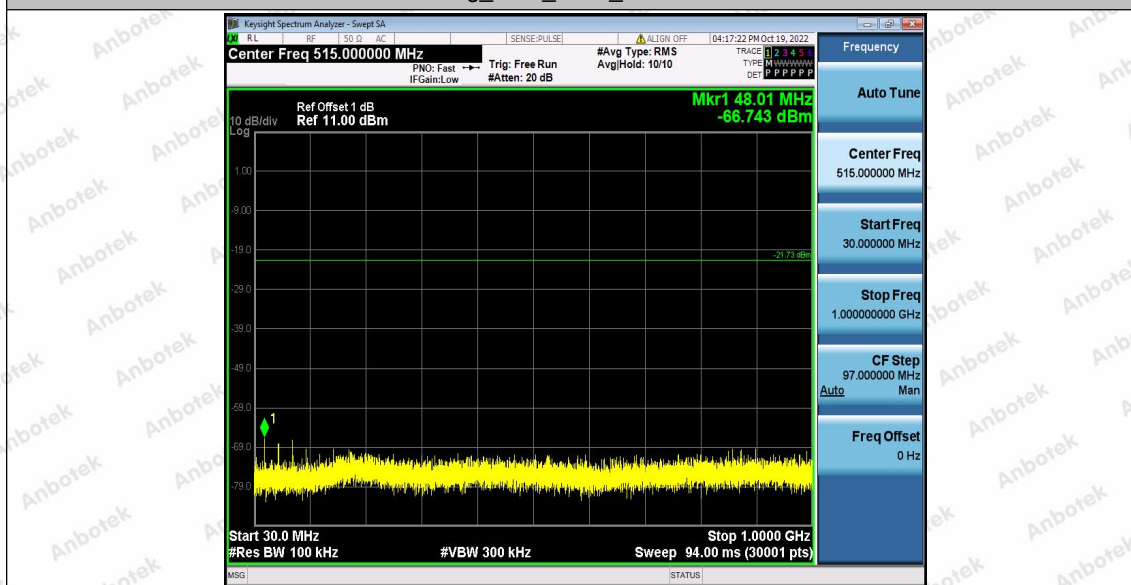


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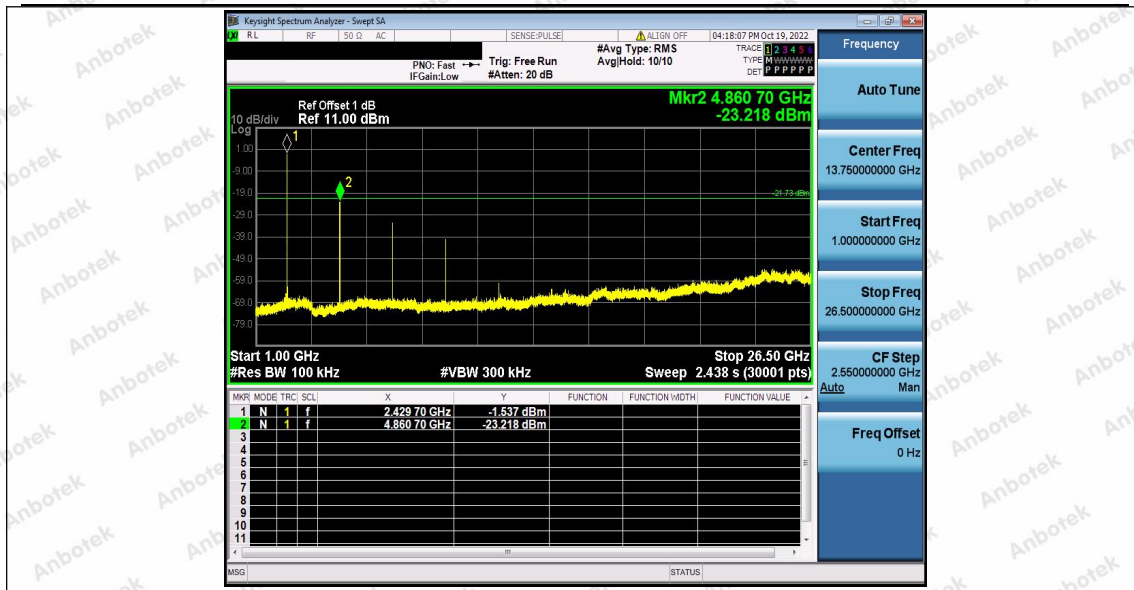


2.4g_Ant1_2430_30~1000



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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