Appendix Test Data for WLAN(2.4G) (Conducted Measurement)

Product Name: 4G Mobile Phone

Trade Mark: GYRO

Test Model: S6001

FCC ID: 2AYVXFIRTSS6001

Environmental Conditions

Temperature:	24.3℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Purchase Director:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

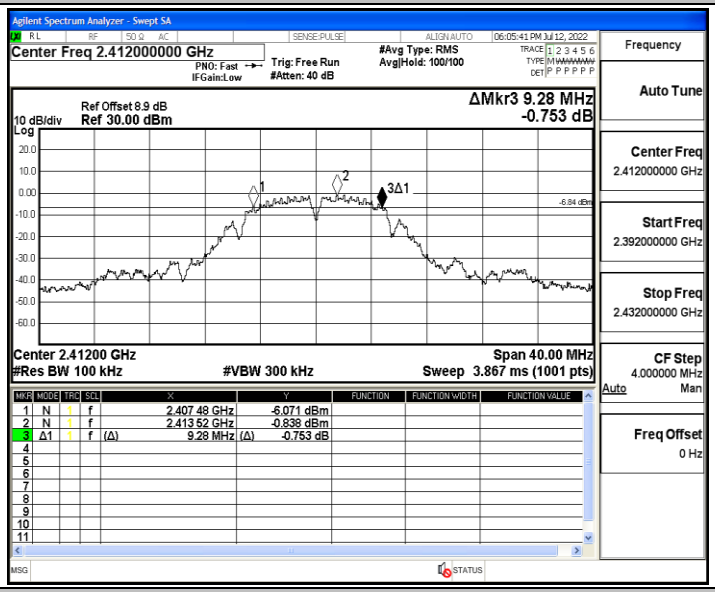
Appendix A: DTS Bandwidth

Test Result

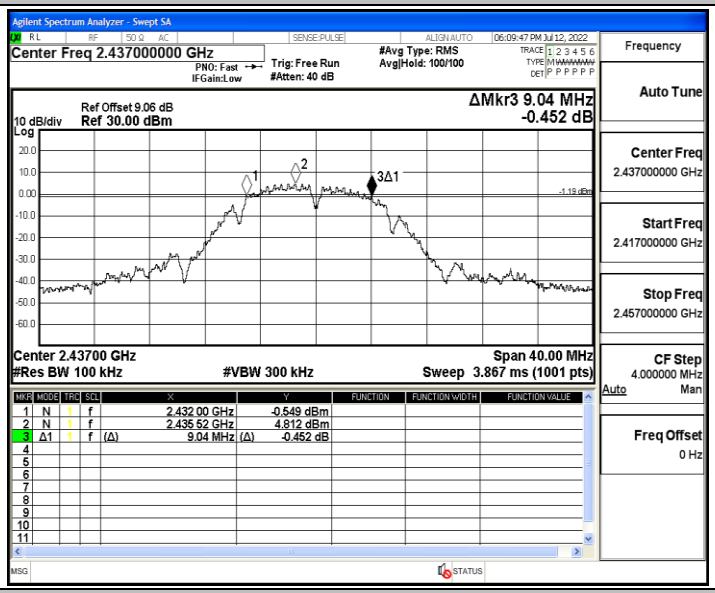
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.280	2407.480	2416.760	0.5	PASS
		2437	9.040	2432.000	2441.040	0.5	PASS
		2462	8.600	2457.960	2466.560	0.5	PASS
11G	Ant1	2412	16.320	2403.880	2420.200	0.5	PASS
		2437	15.760	2428.800	2444.560	0.5	PASS
		2462	14.600	2455.680	2470.280	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.240	2420.880	0.5	PASS
		2437	16.440	2428.120	2444.560	0.5	PASS
		2462	16.320	2454.480	2470.800	0.5	PASS

Test Graphs

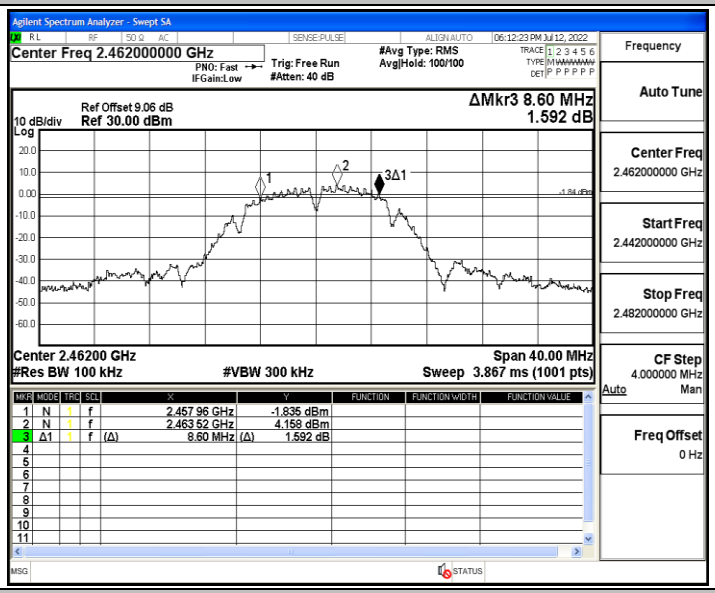
11B_Ant1_2412



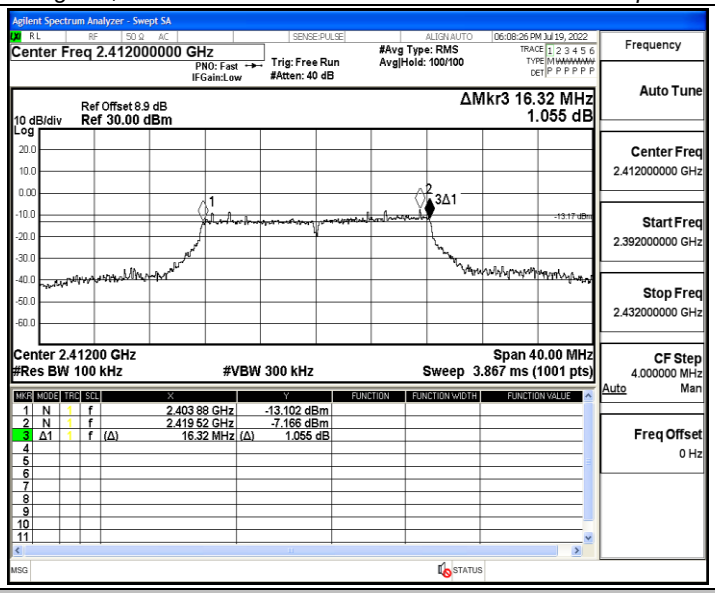
11B_Ant1_2437



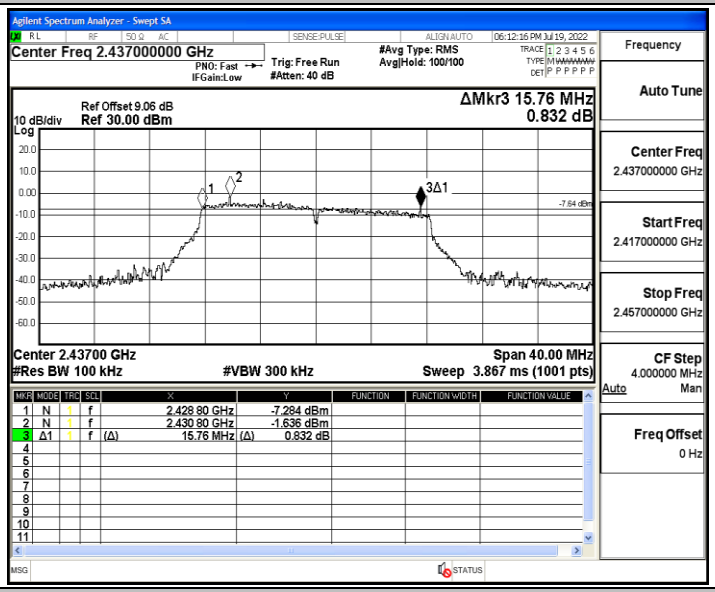
11B_Ant1_2462



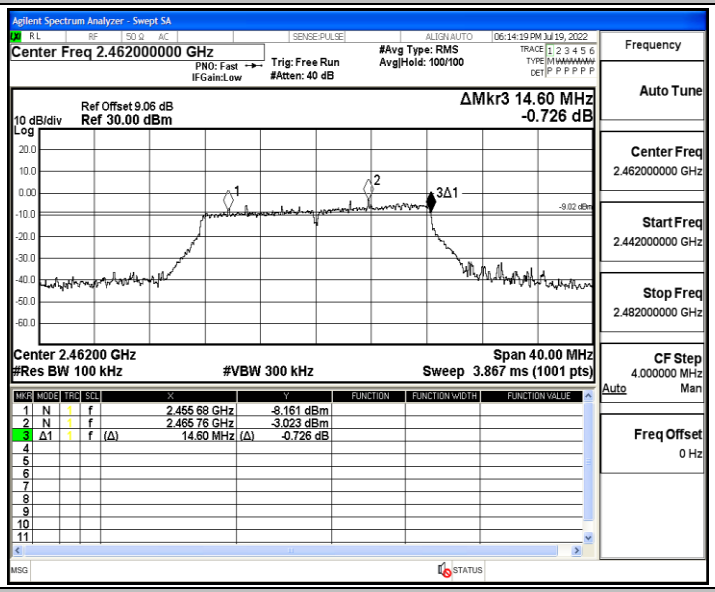
11G_Ant1_2412



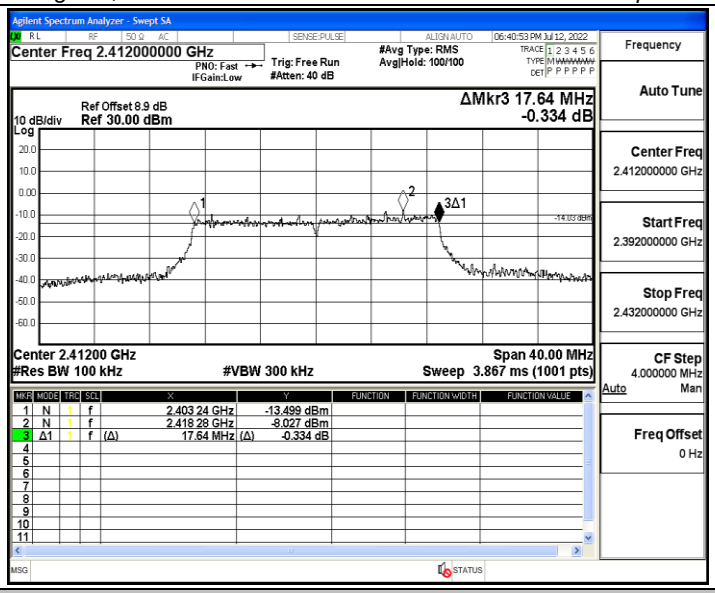
11G_Ant1_2437



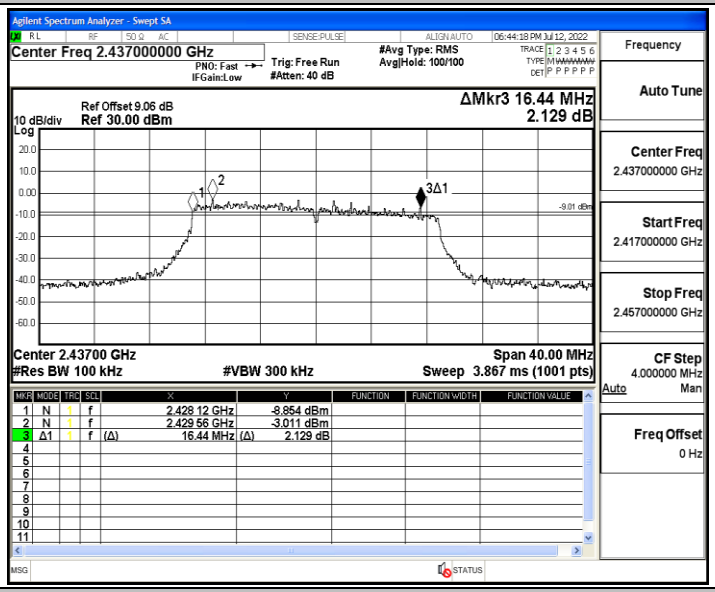
11G_Ant1_2462



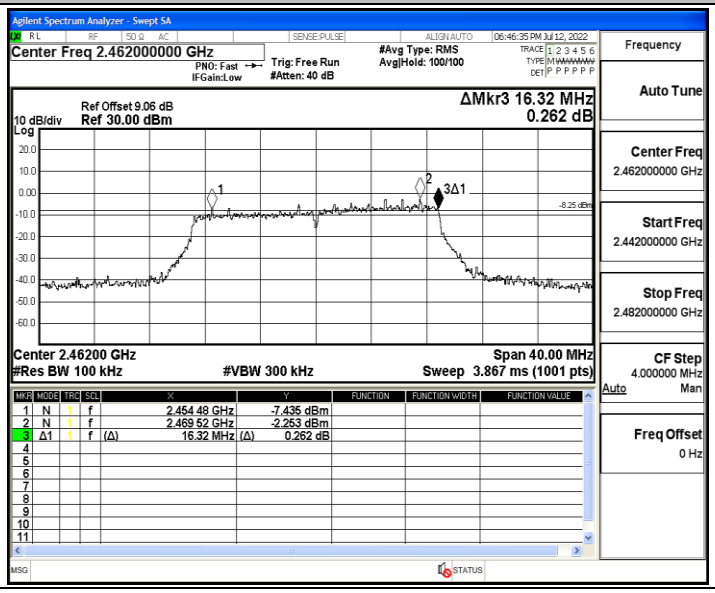
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



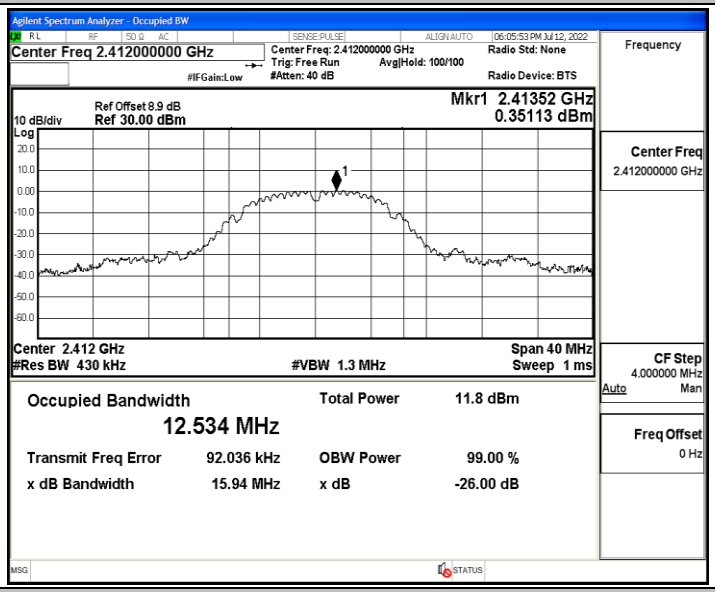
Appendix B: Occupied Channel Bandwidth

Test Result

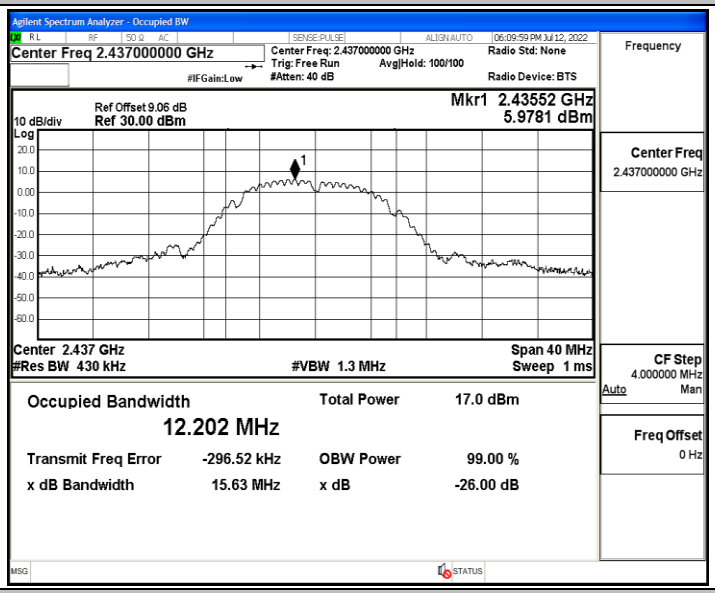
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.534	2405.825	2418.359	---	---
		2437	12.202	2430.602	2442.804	---	---
		2462	12.159	2456.182	2468.341	---	---
11G	Ant1	2412	18.123	2403.210	2421.333	---	---
		2437	17.195	2428.172	2445.367	---	---
		2462	17.433	2453.568	2471.001	---	---
11N20SISO	Ant1	2412	18.624	2402.893	2421.517	---	---
		2437	17.987	2427.820	2445.807	---	---
		2462	18.091	2453.166	2471.257	---	---

Test Graphs

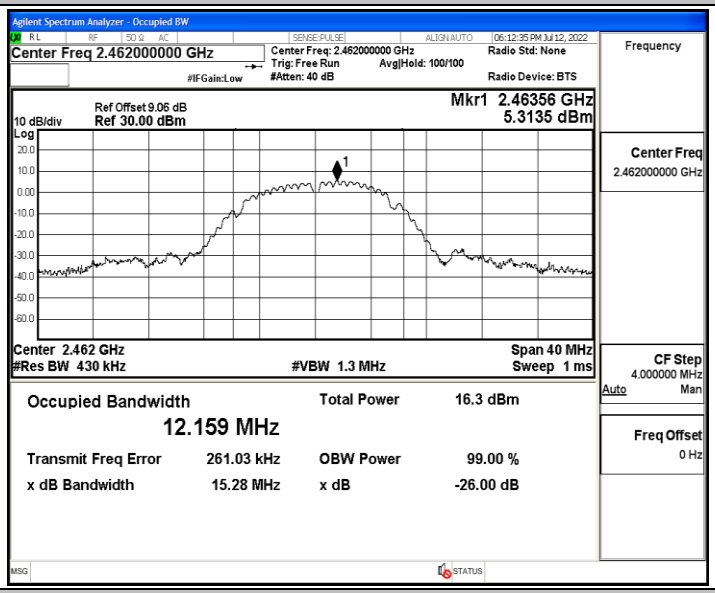
11B_Ant1_2412



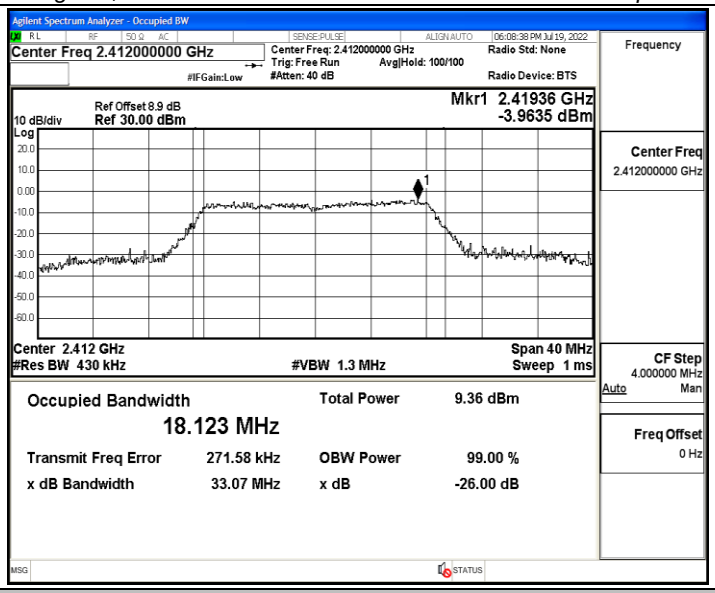
11B_Ant1_2437



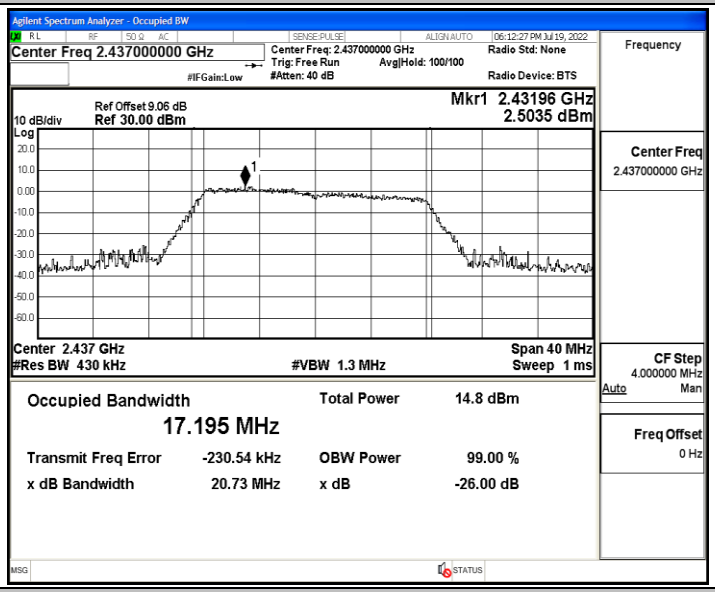
11B_Ant1_2462



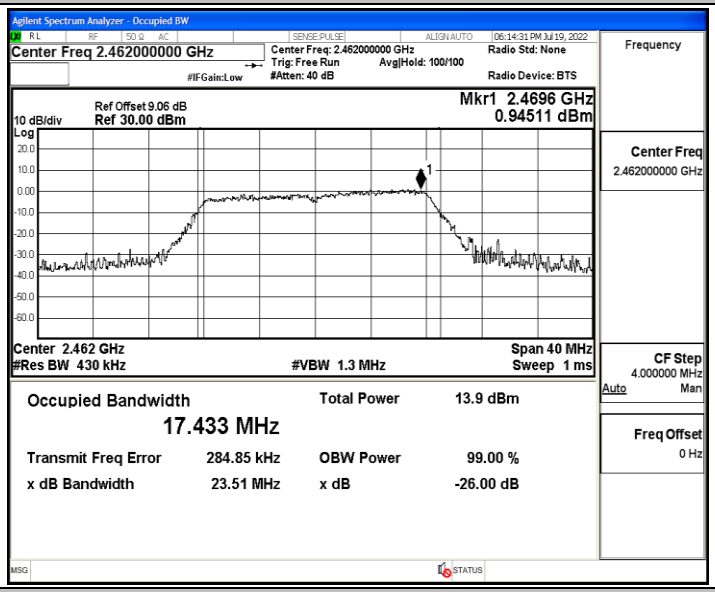
11G_Ant1_2412



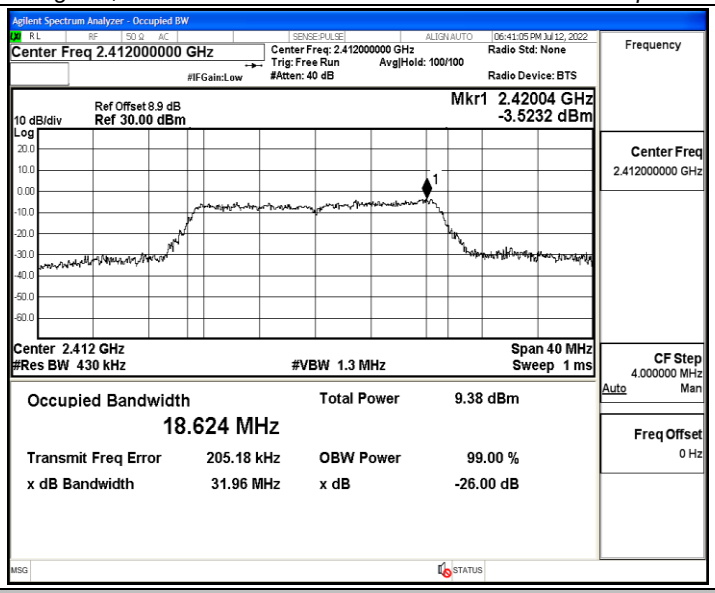
11G_Ant1_2437



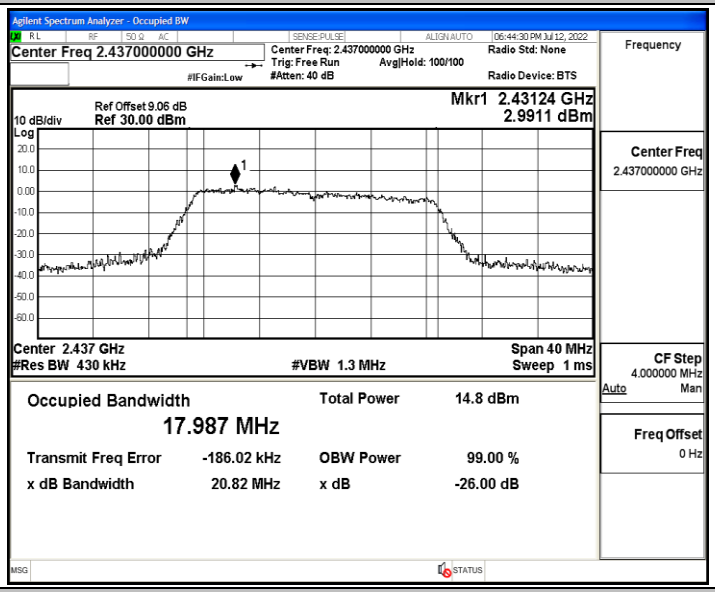
11G_Ant1_2462



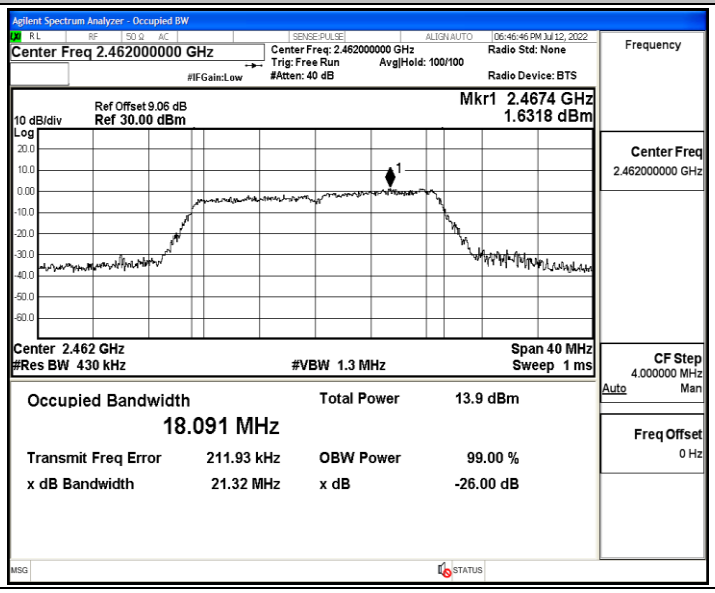
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	11.48	≤30.00	PASS
		2437	16.65	≤30.00	PASS
		2462	15.87	≤30.00	PASS
11G	Ant1	2412	10.42	≤30.00	PASS
		2437	15.89	≤30.00	PASS
		2462	14.70	≤30.00	PASS
11N20SISO	Ant1	2412	10.55	≤30.00	PASS
		2437	15.77	≤30.00	PASS
		2462	14.94	≤30.00	PASS

Note：The Duty Cycle Factor is compensated in the test result.

Appendix D: Maximum power spectral density

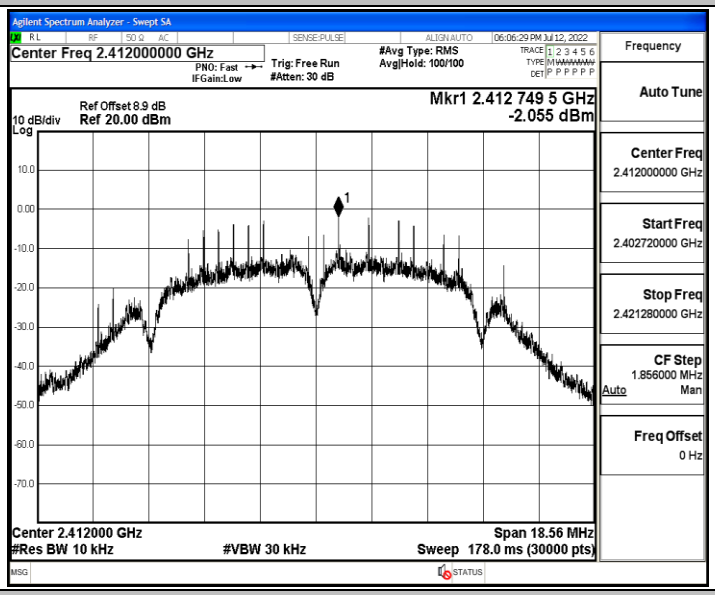
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-2.06	≤8.00	PASS
		2437	3.33	≤8.00	PASS
		2462	2.74	≤8.00	PASS
11G	Ant1	2412	-16.98	≤8.00	PASS
		2437	-11.66	≤8.00	PASS
		2462	-12.33	≤8.00	PASS
11N20SISO	Ant1	2412	-15.79	≤8.00	PASS
		2437	-9.93	≤8.00	PASS
		2462	-10.94	≤8.00	PASS

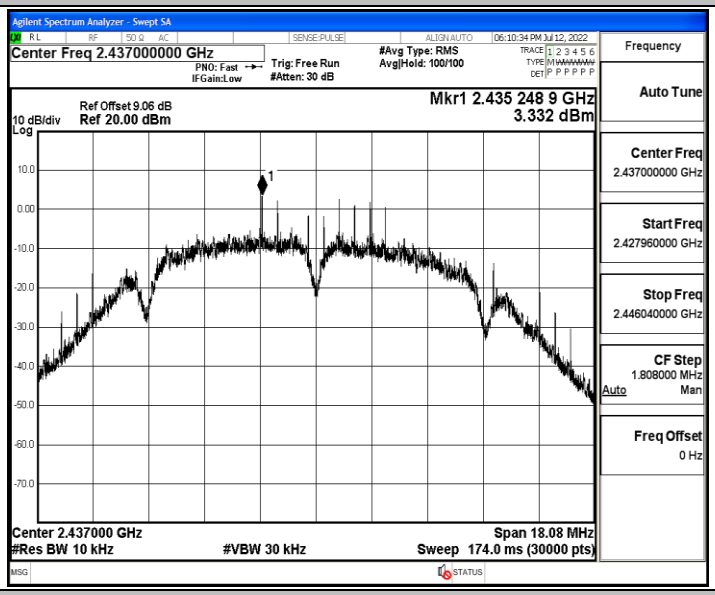
Note：The Duty Cycle Factor is compensated in the test result.

Test Graphs

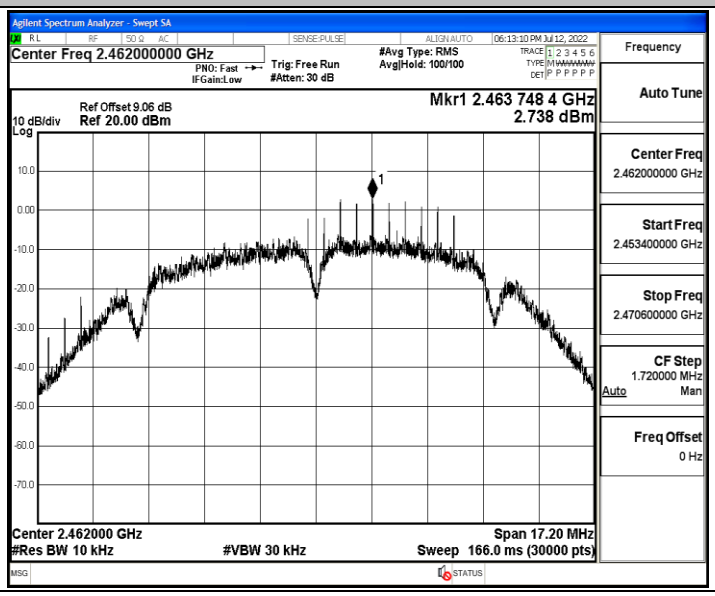
11B_Ant1_2412



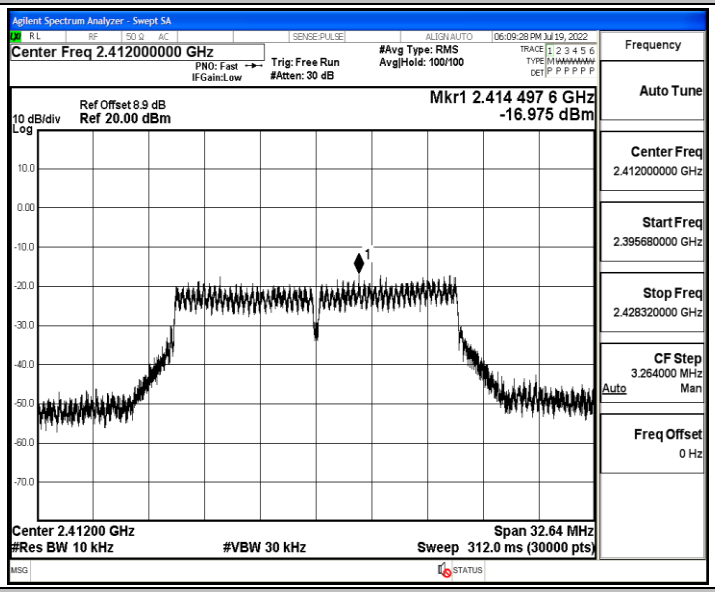
11B_Ant1_2437



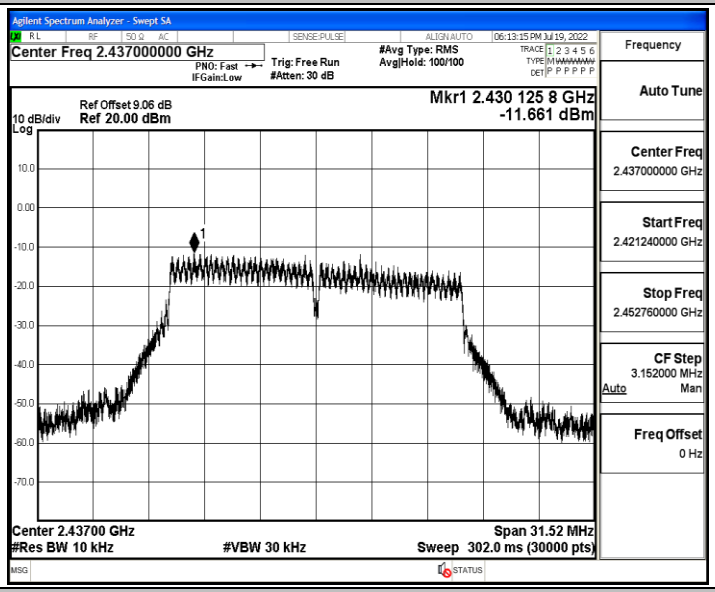
11B_Ant1_2462



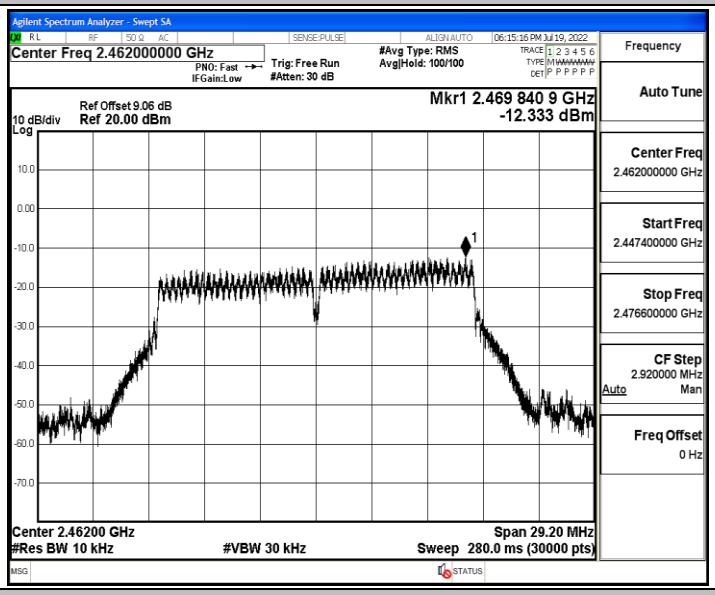
11G_Ant1_2412



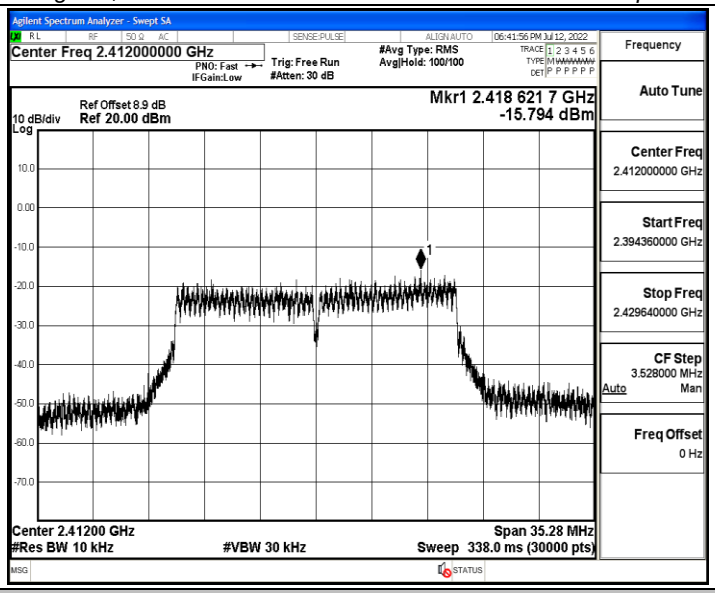
11G_Ant1_2437



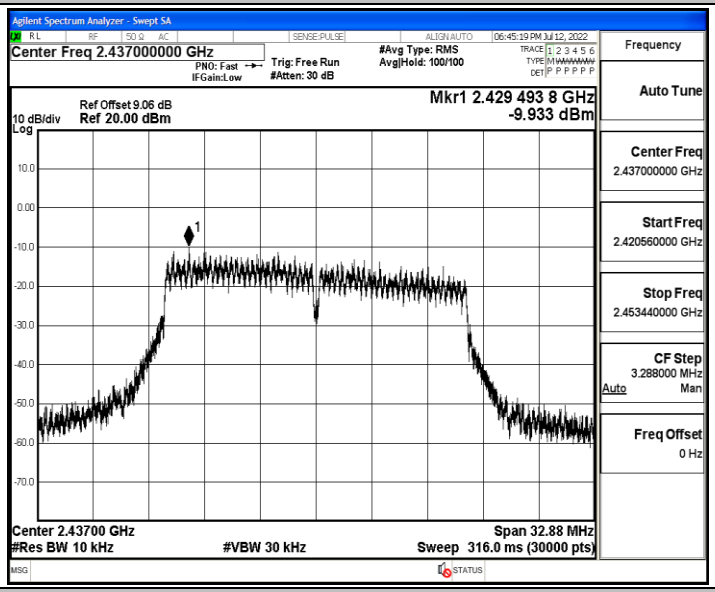
11G_Ant1_2462



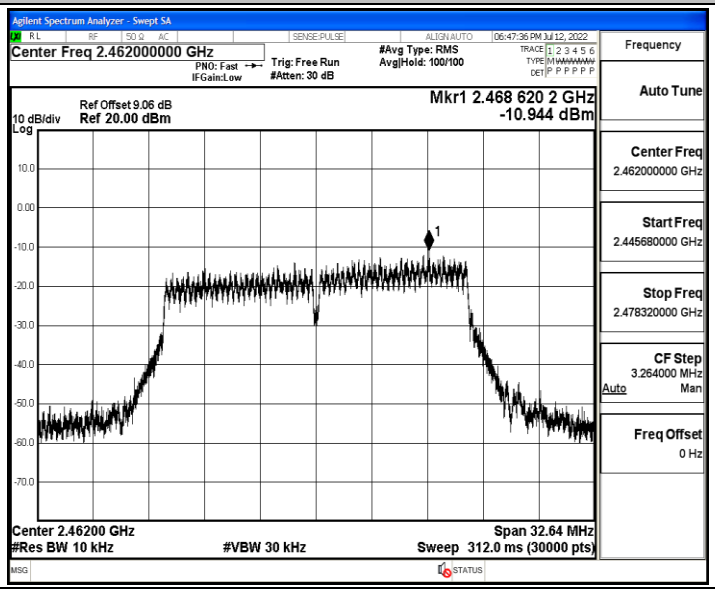
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



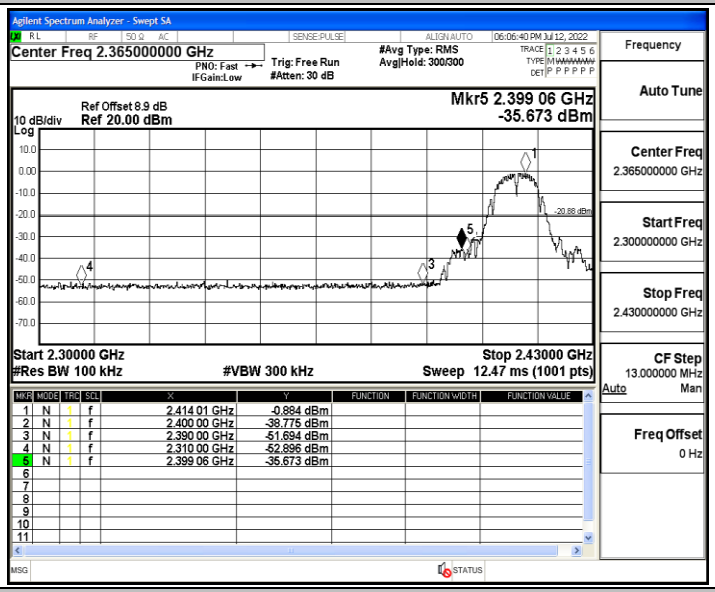
Appendix E: Band edge measurements

Test Result

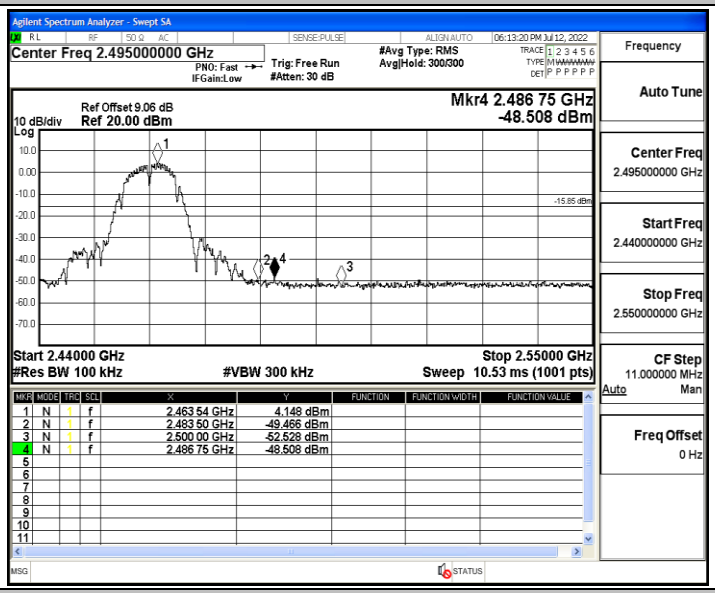
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-0.88	-35.67	≤-20.88	PASS
		High	2462	4.15	-48.51	≤-15.85	PASS
11G	Ant1	Low	2412	-7.63	-35.83	≤-27.63	PASS
		High	2462	-2.43	-45.36	≤-22.43	PASS
11N20SISO	Ant1	Low	2412	-7.71	-37.18	≤-27.71	PASS
		High	2462	-2.53	-46.28	≤-22.53	PASS

Test Graphs

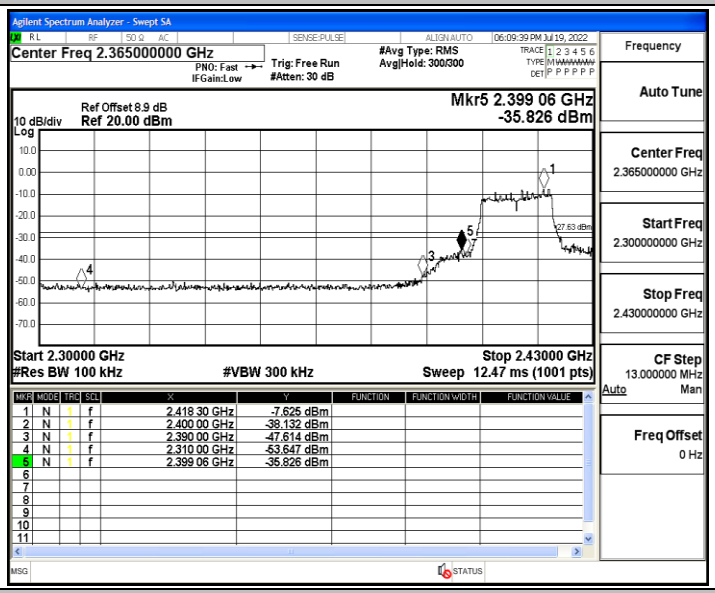
11B_Ant1_Low_2412



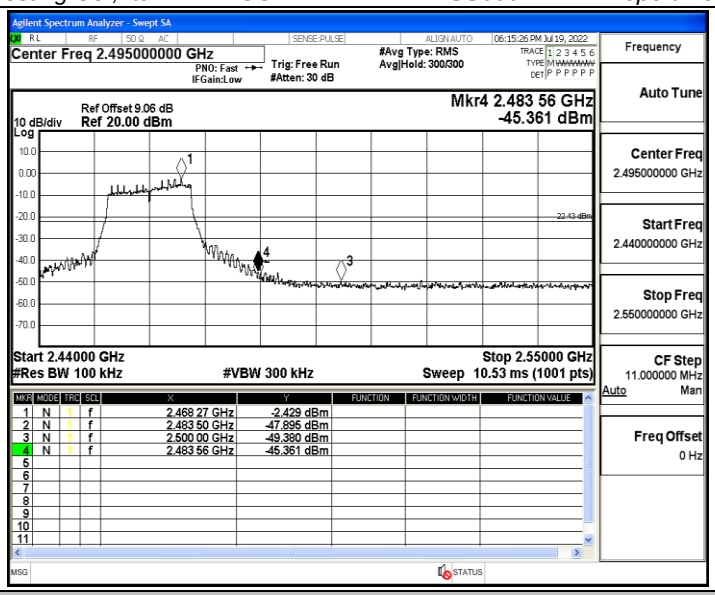
11B_Ant1_High_2462



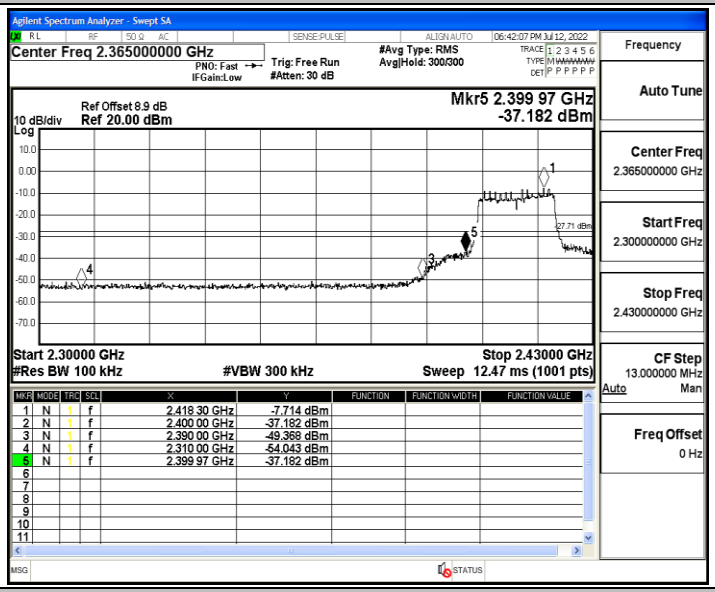
11G_Ant1_Low_2412



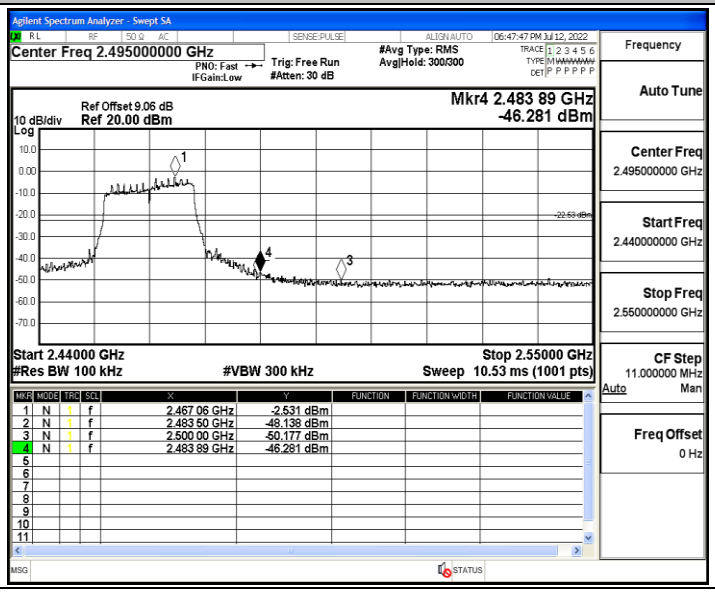
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



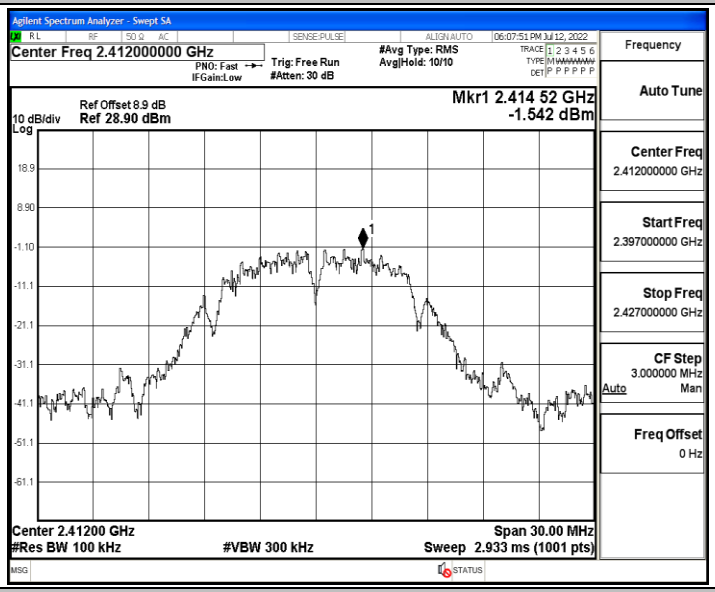
Appendix F: Conducted Spurious Emission

Test Result

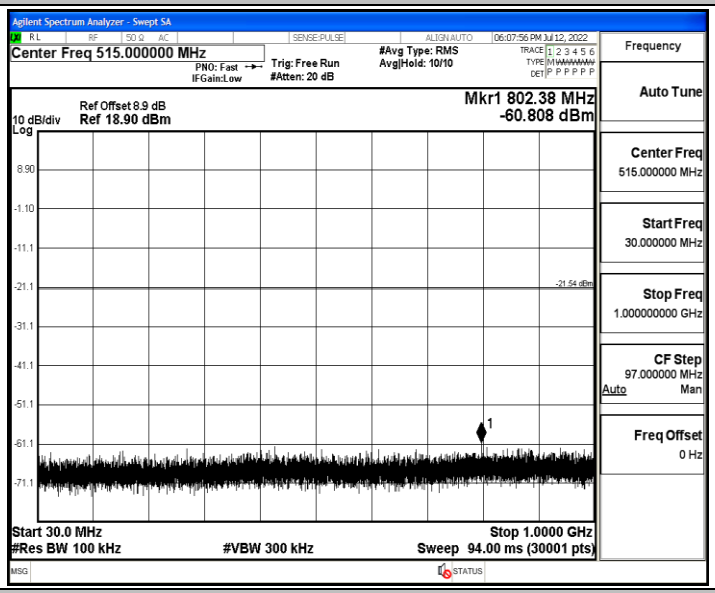
TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-60.81	≤-21.54	PASS
			1000~26500	-1.54	-50.51	≤-21.54	PASS
		2437	Reference	3.98	3.98	---	PASS
			30~1000	3.98	-61.03	≤-16.02	PASS
			1000~26500	3.98	-51.17	≤-16.02	PASS
		2462	Reference	3.32	3.32	---	PASS
			30~1000	3.32	-61.49	≤-16.68	PASS
			1000~26500	3.32	-51.02	≤-16.68	PASS
11G	Ant1	2412	Reference	-10.06	-10.06	---	PASS
			30~1000	-10.06	-61.48	≤-30.06	PASS
			1000~26500	-10.06	-50.71	≤-30.06	PASS
		2437	Reference	-3.59	-3.59	---	PASS
			30~1000	-3.59	-61.08	≤-23.59	PASS
			1000~26500	-3.59	-50.3	≤-23.59	PASS
		2462	Reference	-2.39	-2.39	---	PASS
			30~1000	-2.39	-60.78	≤-22.39	PASS
			1000~26500	-2.39	-51.16	≤-22.39	PASS
11N20SISO	Ant1	2412	Reference	-9.76	-9.76	---	PASS
			30~1000	-9.76	-61.26	≤-29.76	PASS
			1000~26500	-9.76	-50.53	≤-29.76	PASS
		2437	Reference	-1.38	-1.38	---	PASS
			30~1000	-1.38	-61.24	≤-21.38	PASS
			1000~26500	-1.38	-50.64	≤-21.38	PASS
		2462	Reference	-2.59	-2.59	---	PASS
			30~1000	-2.59	-61.6	≤-22.59	PASS
			1000~26500	-2.59	-50.59	≤-22.59	PASS

Test Graphs

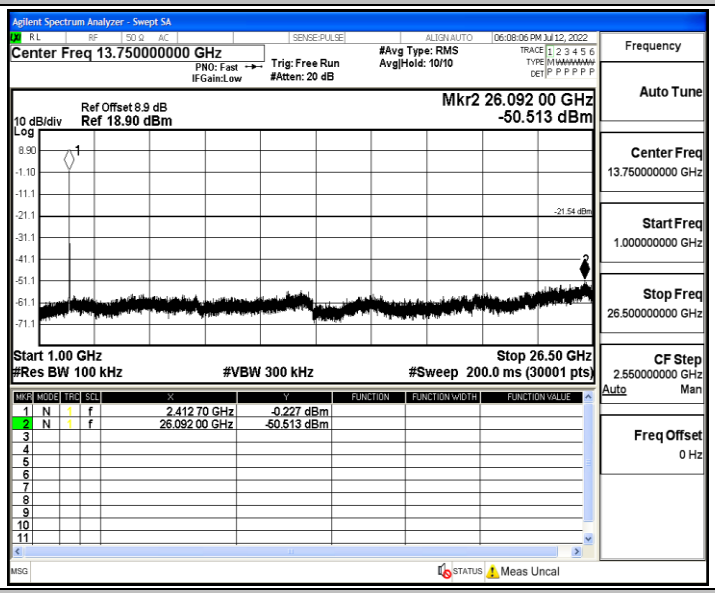
11B_Ant1_2412_0~Reference



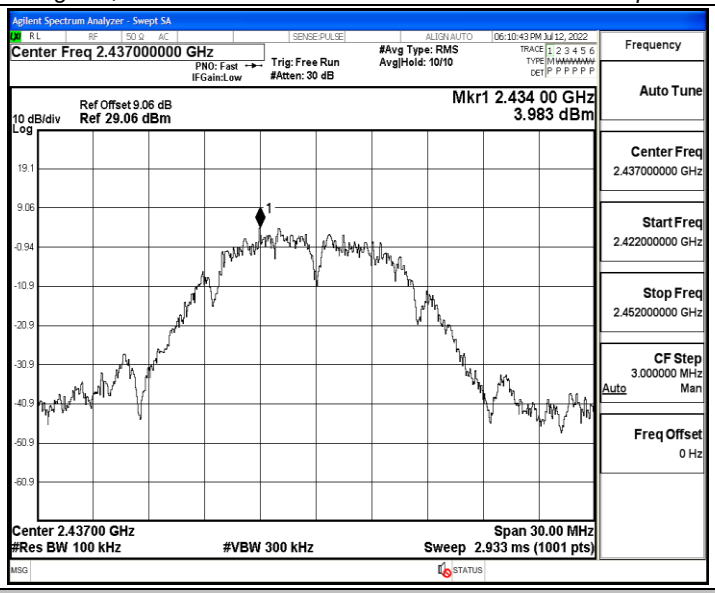
11B_Ant1_2412_30~1000



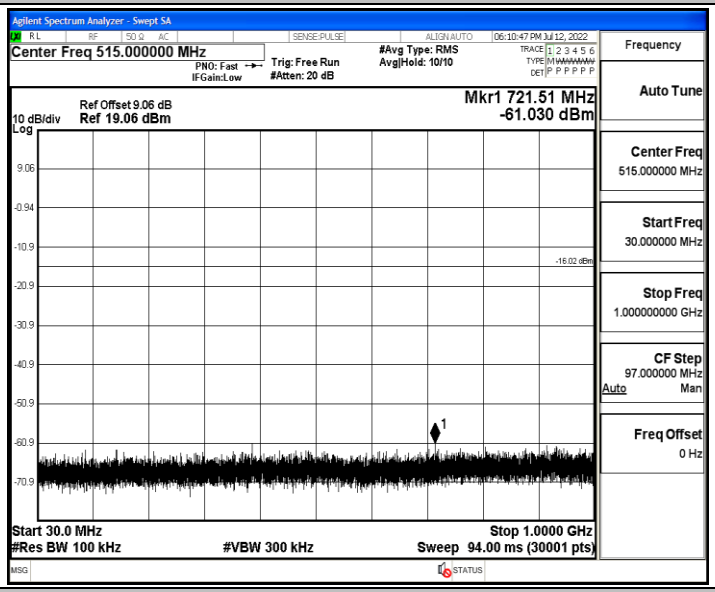
11B_Ant1_2412_1000~26500



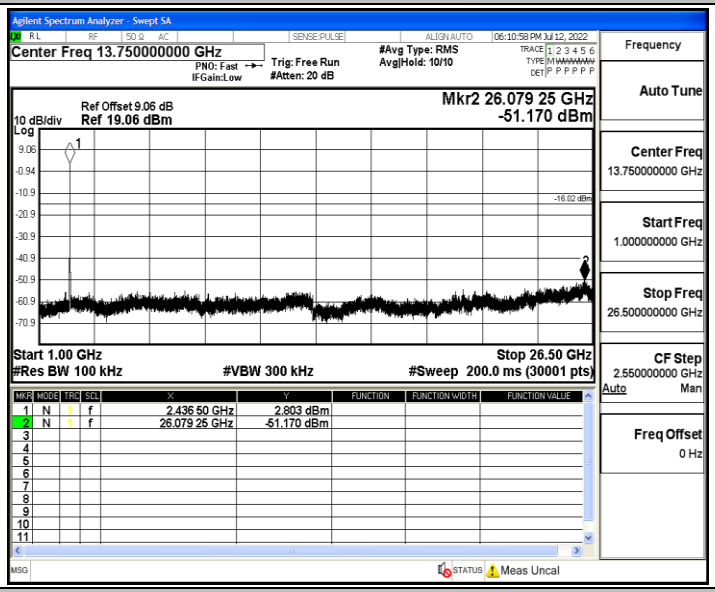
11B_Ant1_2437_0~Reference



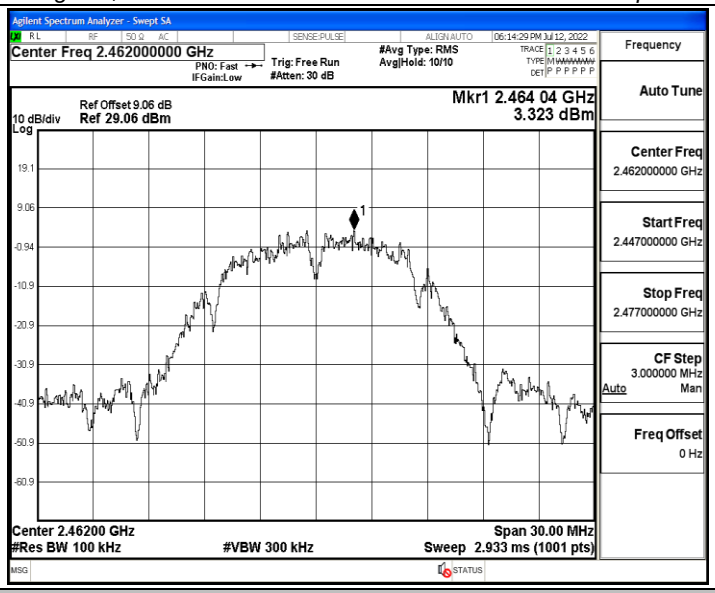
11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



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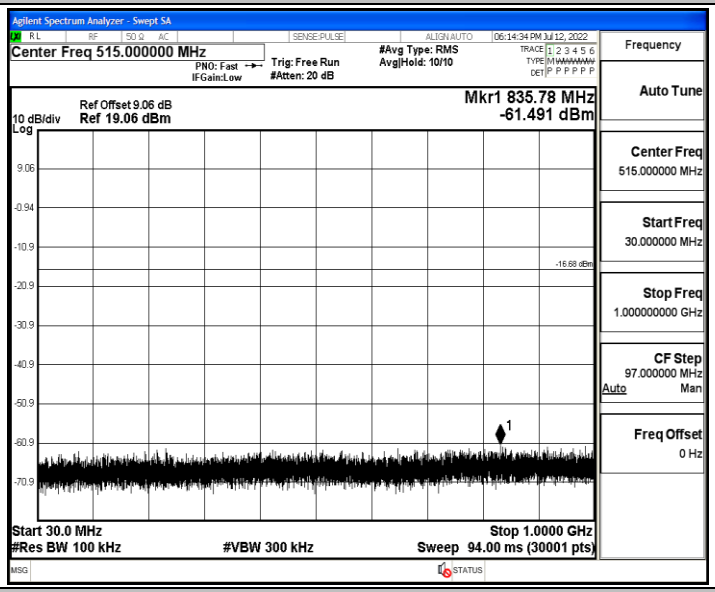

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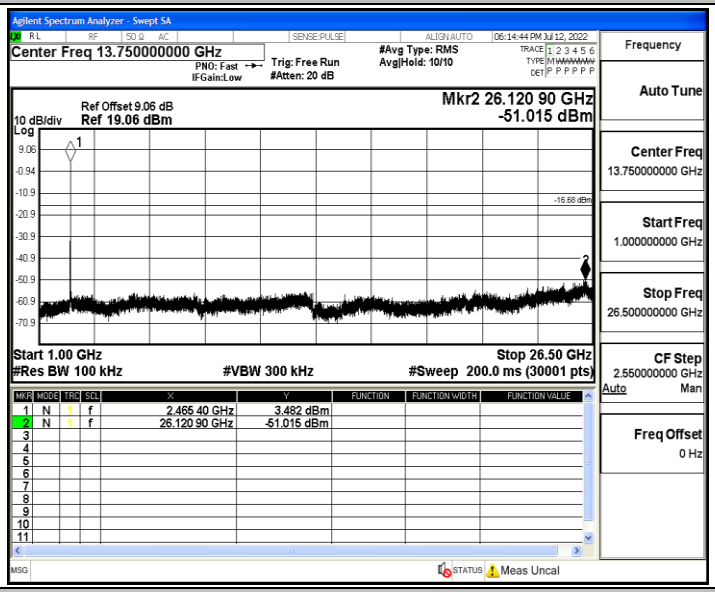

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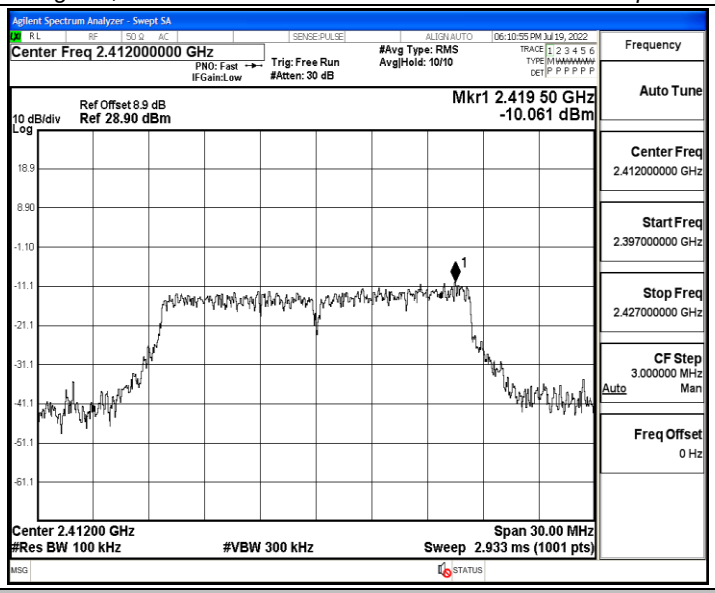

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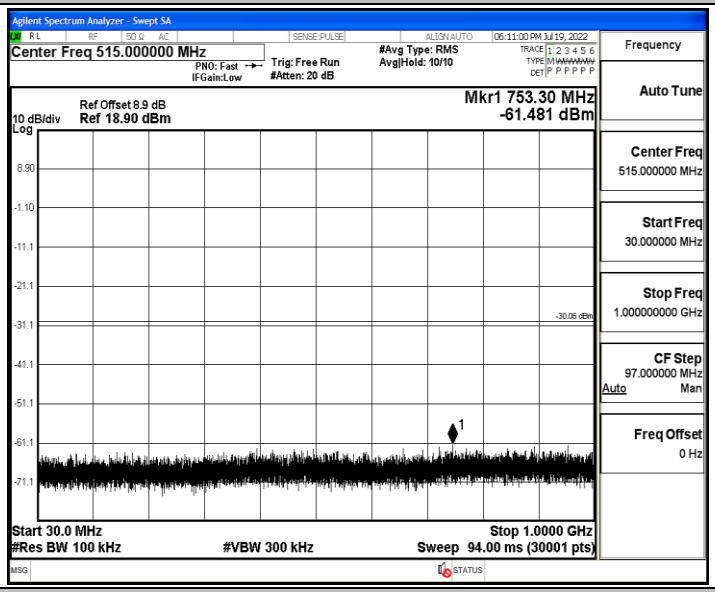

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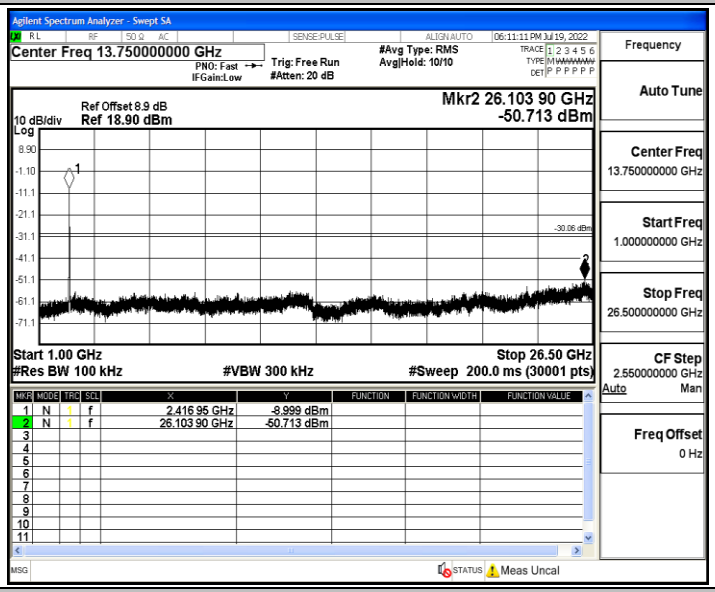

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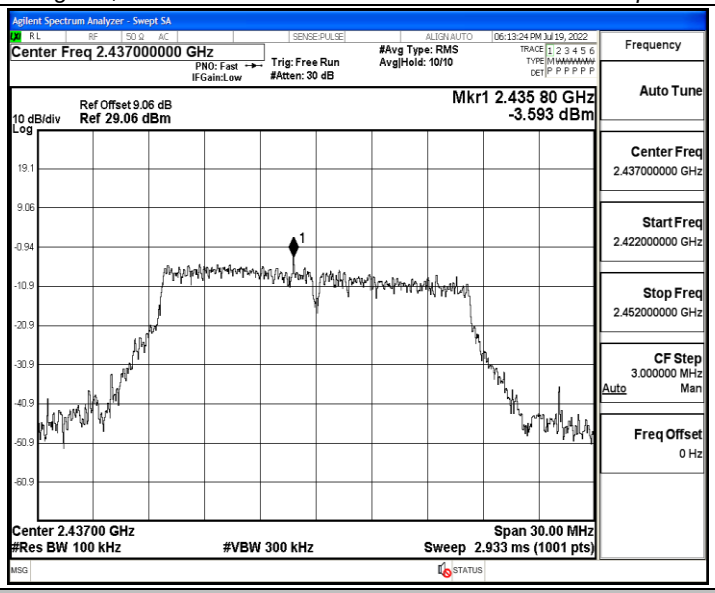

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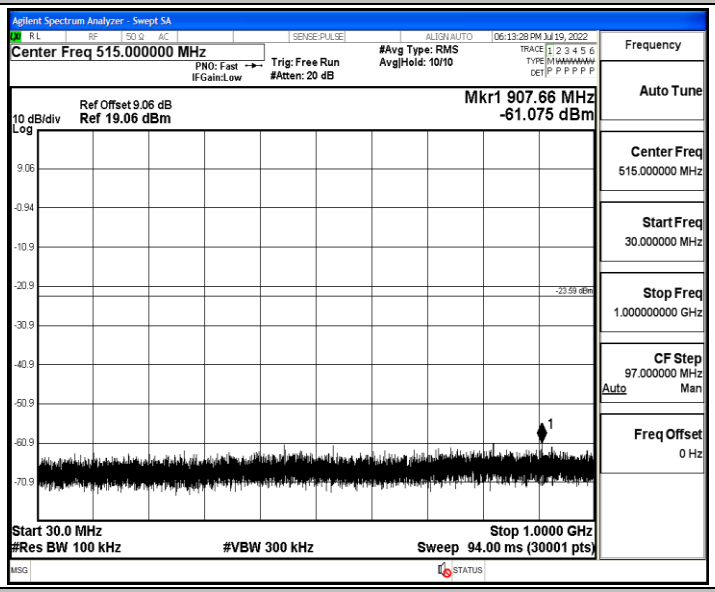

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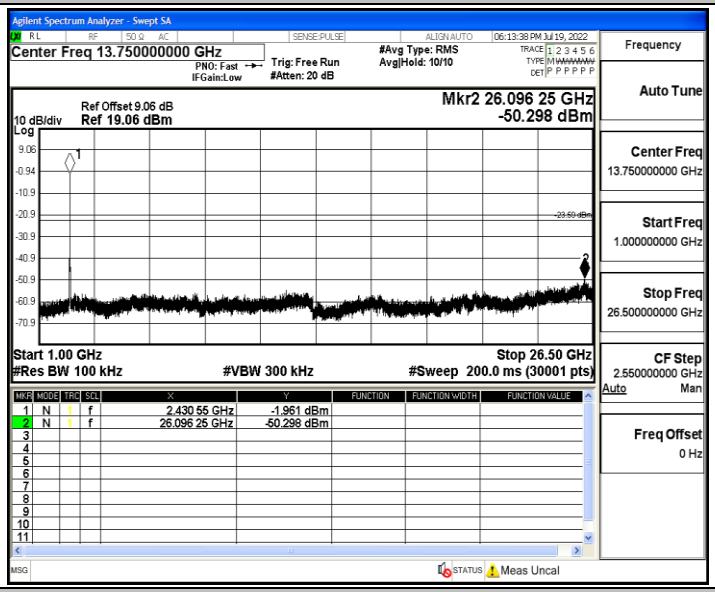

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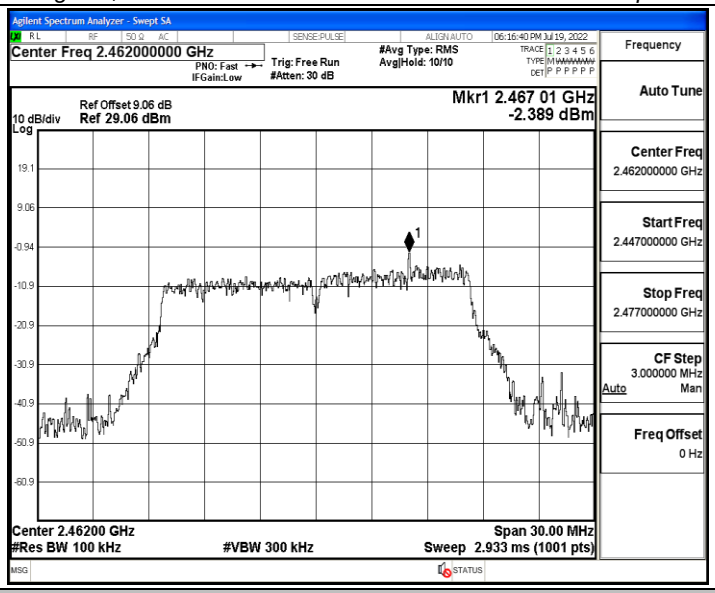

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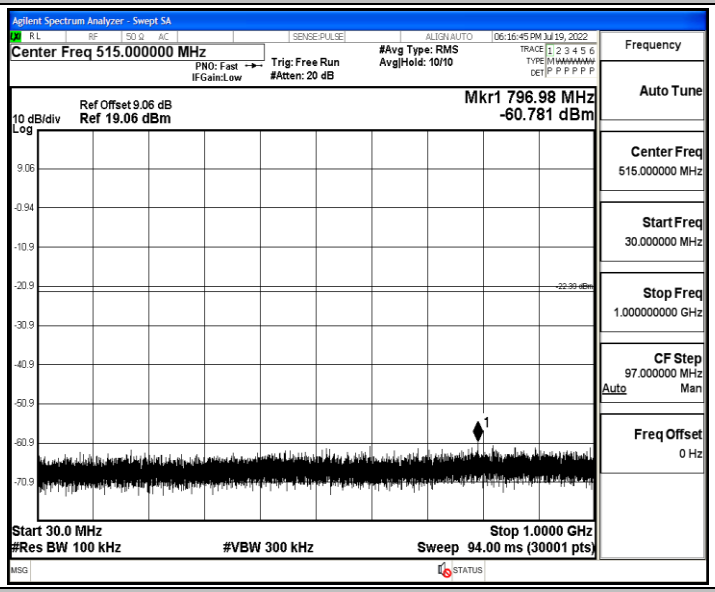

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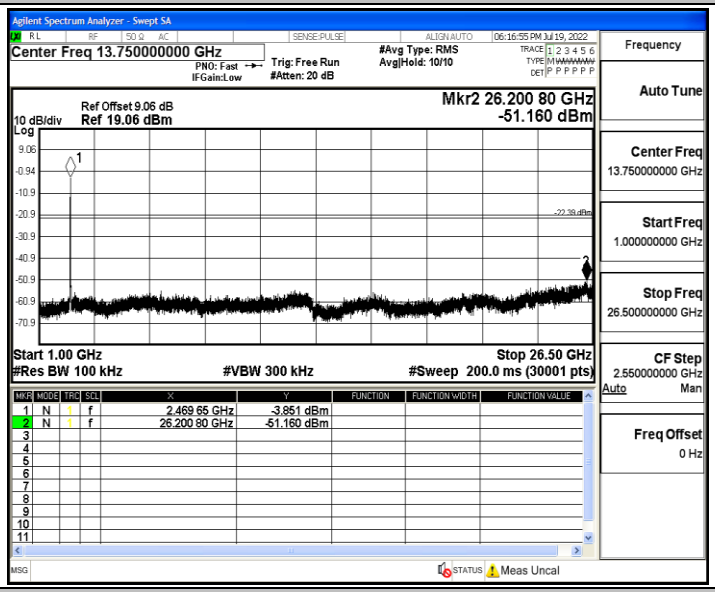

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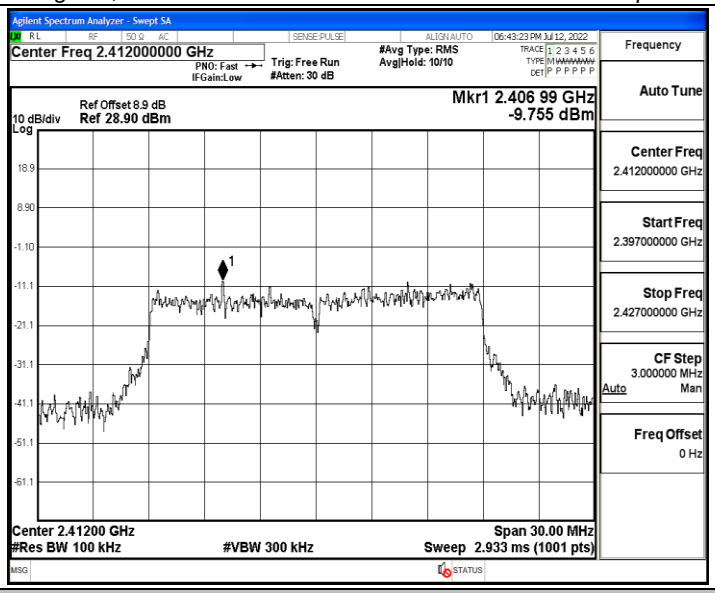

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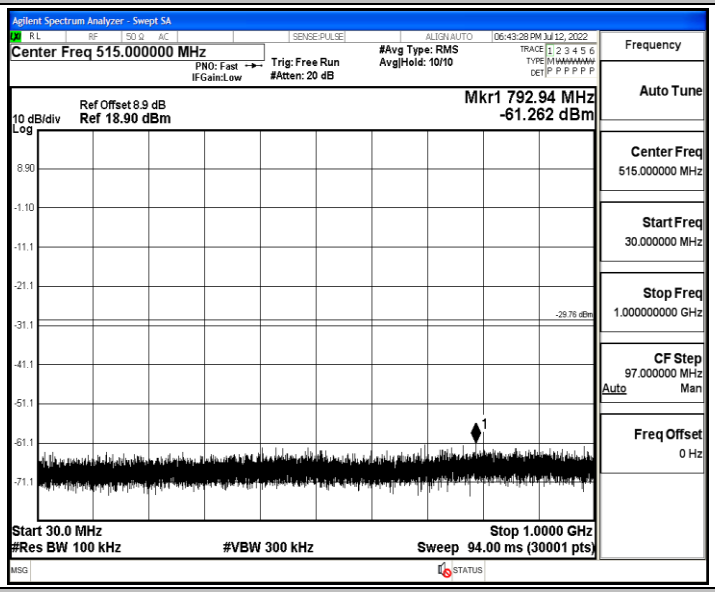

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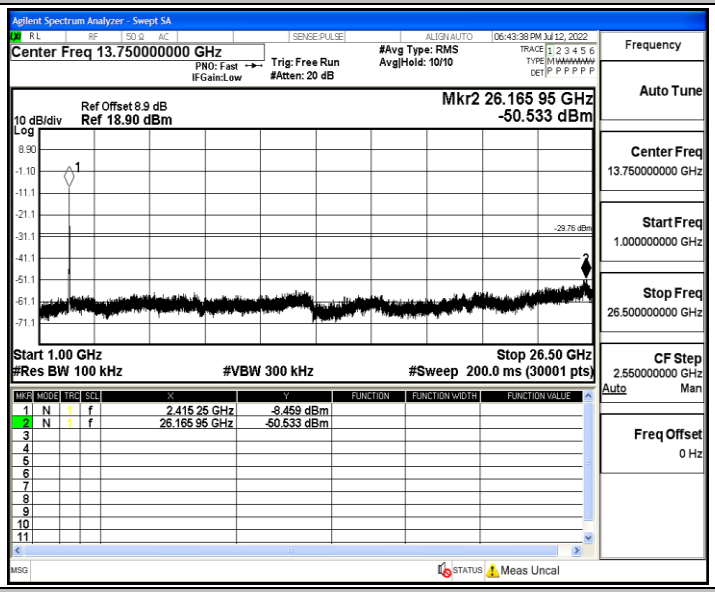

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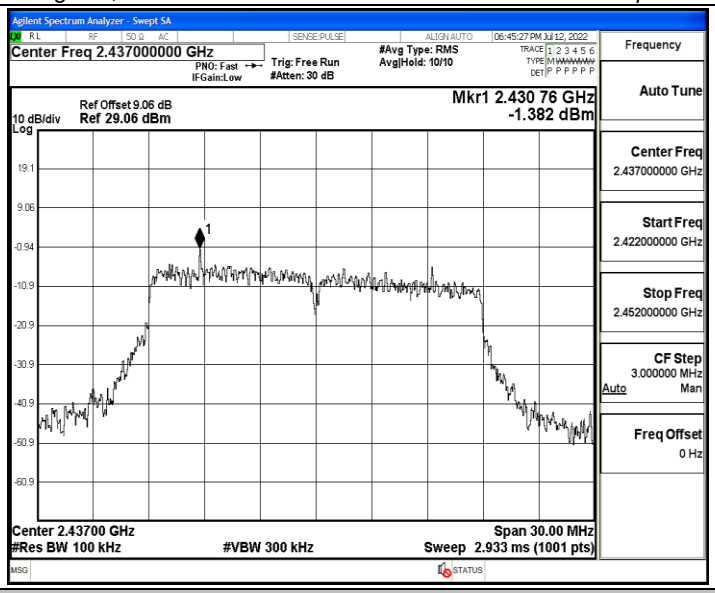

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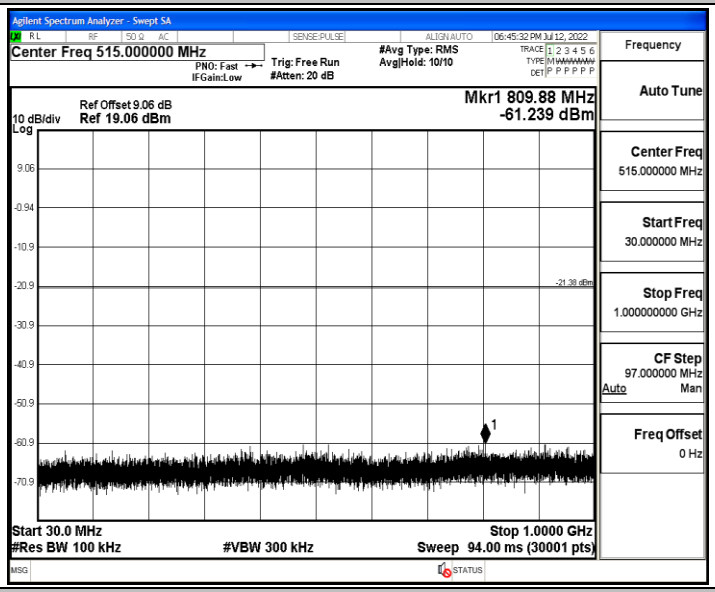

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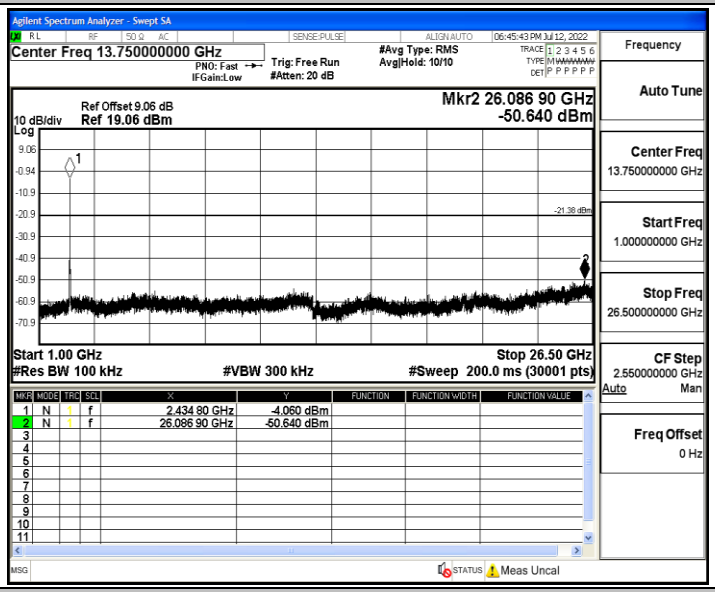

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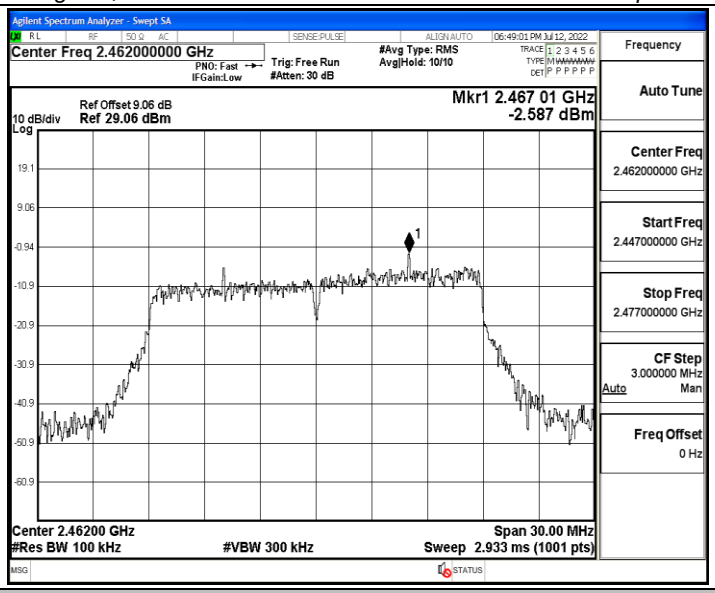

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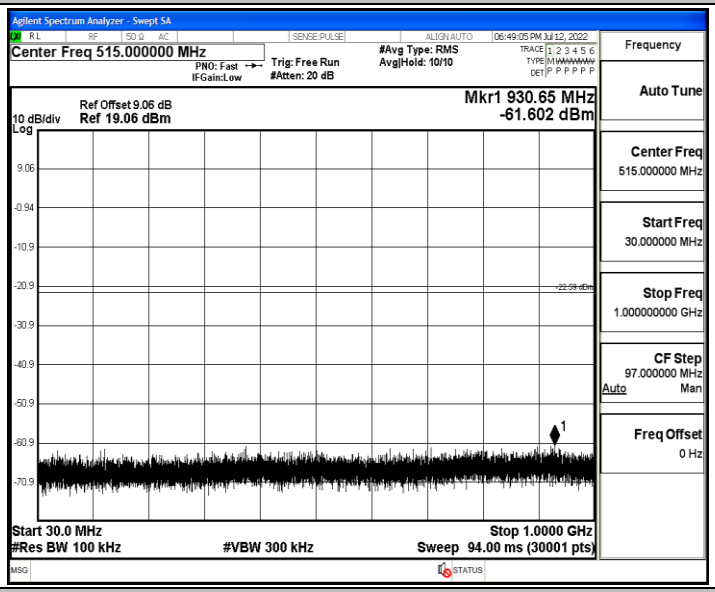

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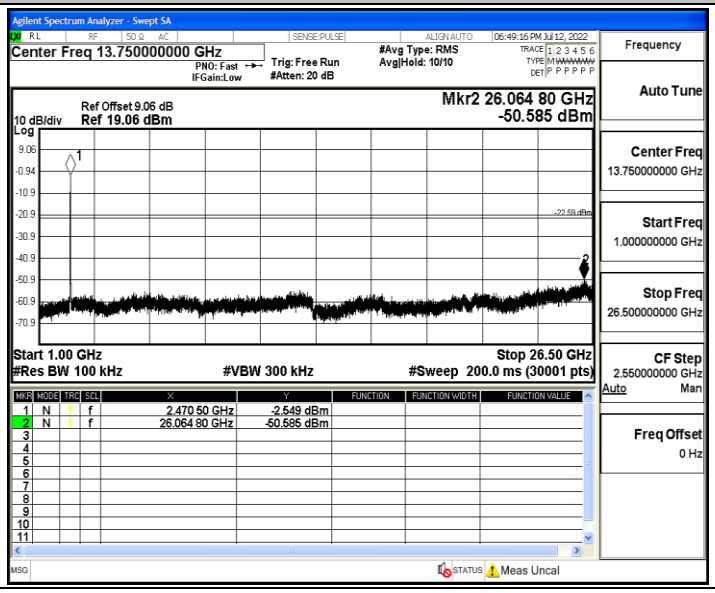


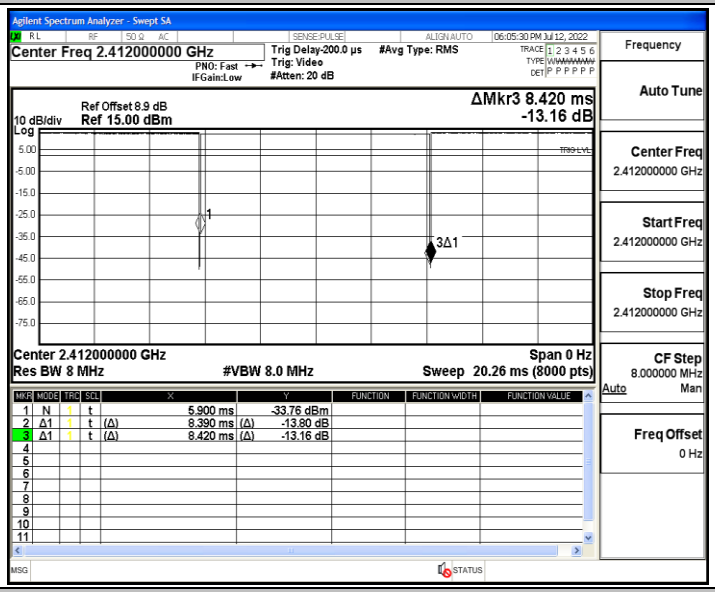
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
11B	Ant1	2412	8.39	8.42	99.64	0.12
		2437	8.39	8.42	99.64	0.12
		2462	8.39	8.43	99.53	0.12
11G	Ant1	2412	1.39	1.45	95.86	0.72
		2437	1.40	1.44	97.22	0.71
		2462	1.39	1.44	96.53	0.72
11N20SISO	Ant1	2412	1.30	1.35	96.30	0.77
		2437	1.30	1.35	96.30	0.77
		2462	1.30	1.35	96.30	0.77

Test Graphs

11B_Ant1_2412



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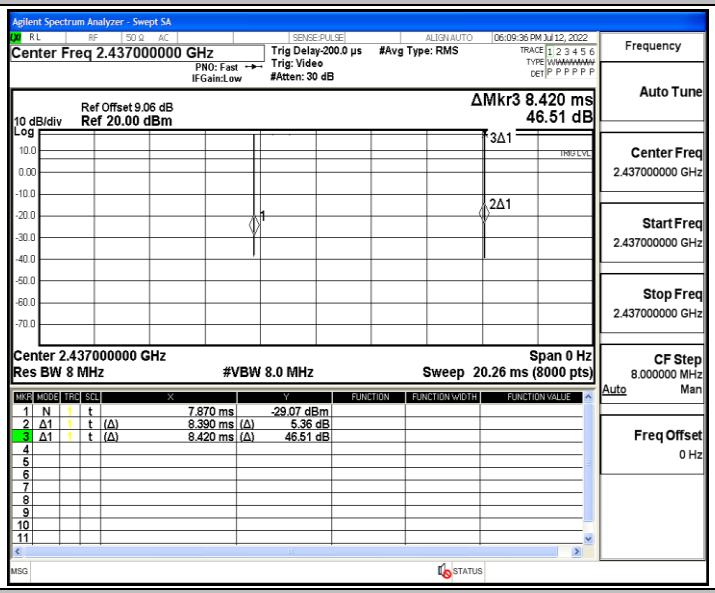

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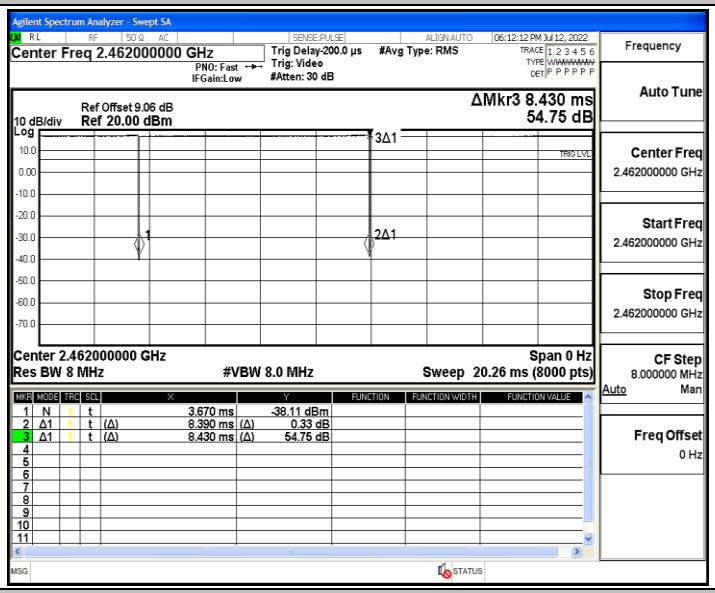

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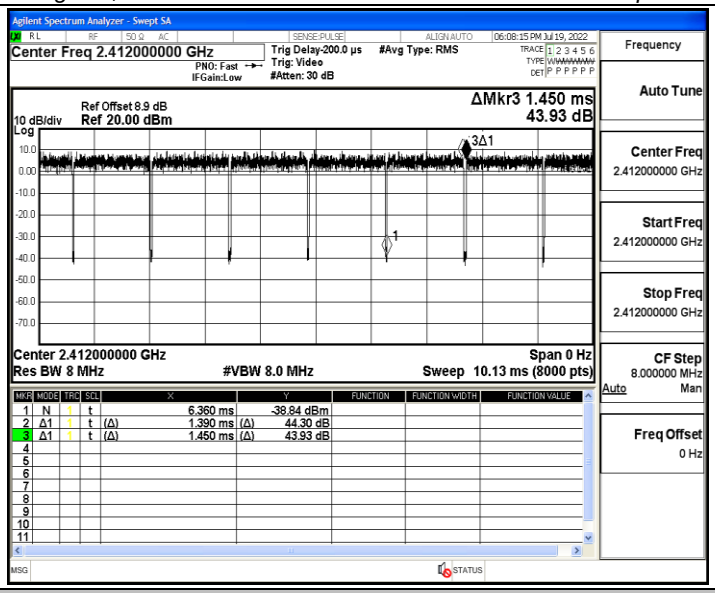

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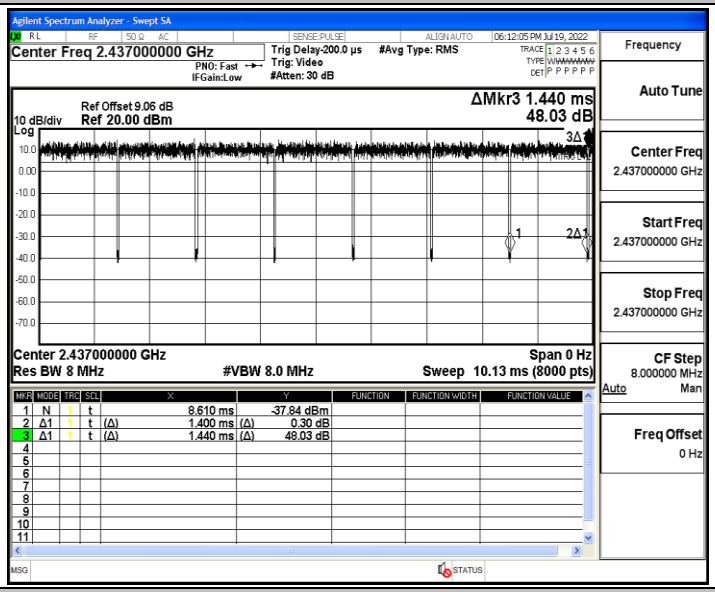

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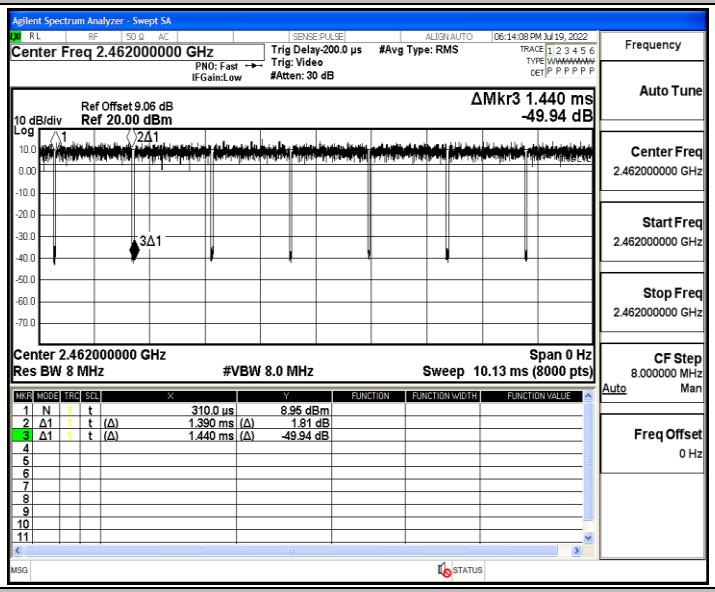

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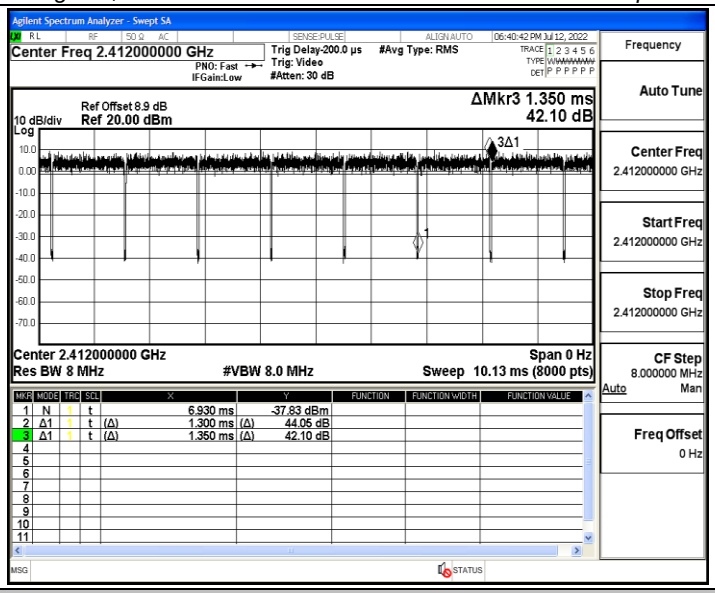

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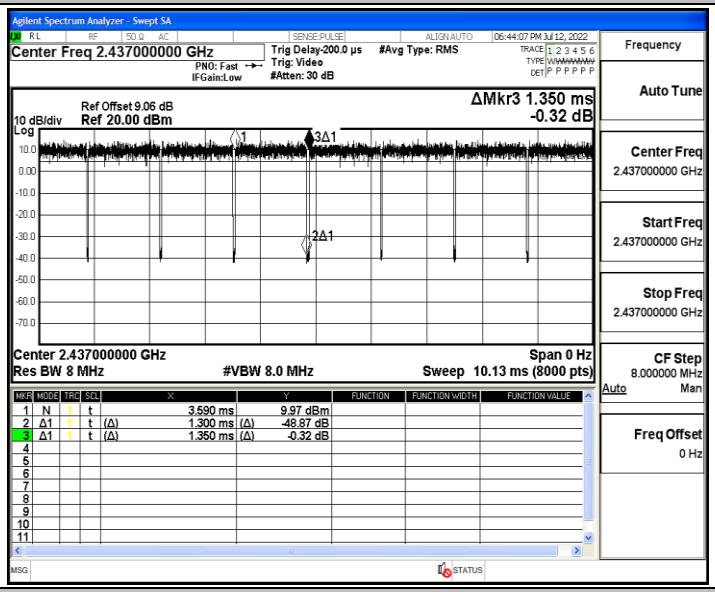
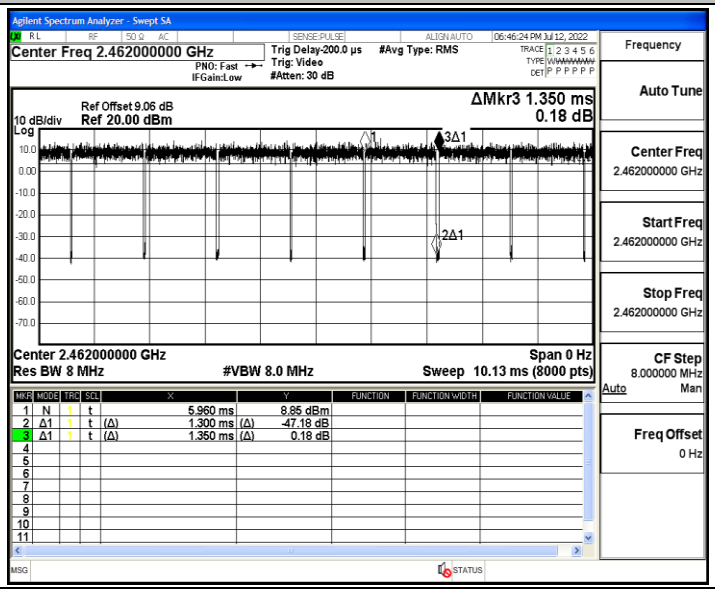
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