Appendix Test Data

Report No.:	18220WC20007702	Test Sample No.:	1-2-2
Start Test Date:	2022.1.12	Finish Test Date:	2022.1.20
Test Engineer:	Tony.He	Auditor:	Edward.Pan
Temperature:	23.3℃	Relative Humidity:	57 %
Pressure:	1012 hPa		

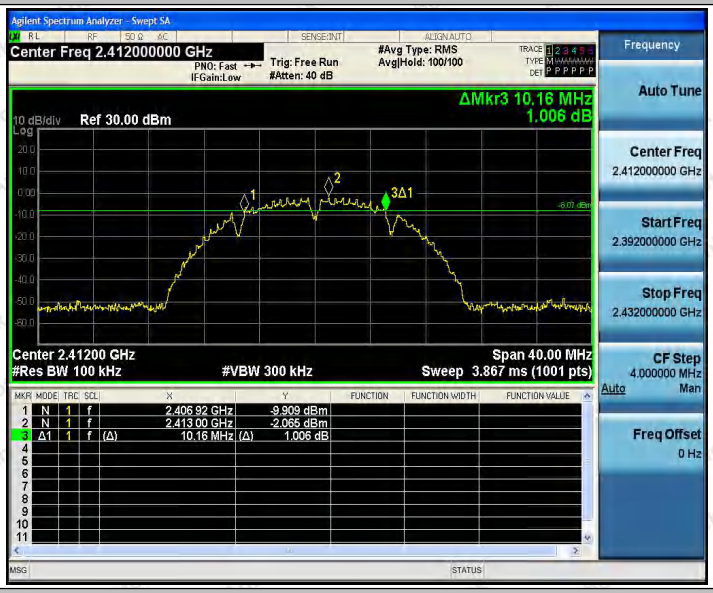
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.160	2406.920	2417.080	≥0.5	PASS
		2437	9.680	2432.400	2442.080	≥0.5	PASS
		2462	10.120	2456.920	2467.040	≥0.5	PASS
11G	Ant1	2412	16.480	2403.800	2420.280	≥0.5	PASS
		2437	16.400	2428.800	2445.200	≥0.5	PASS
		2462	16.400	2453.800	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.680	2403.200	2420.880	≥0.5	PASS
		2437	17.400	2428.440	2445.840	≥0.5	PASS
		2462	17.680	2453.160	2470.840	≥0.5	PASS

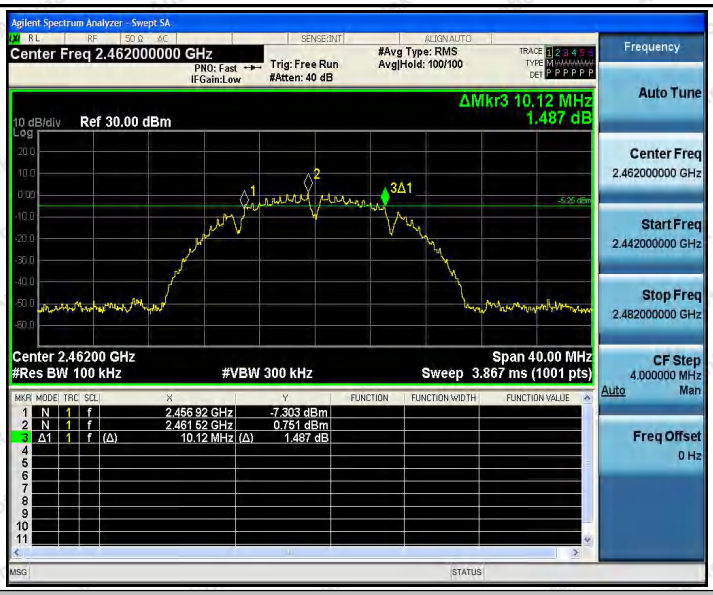
Test Graphs

11B_Ant1_2412

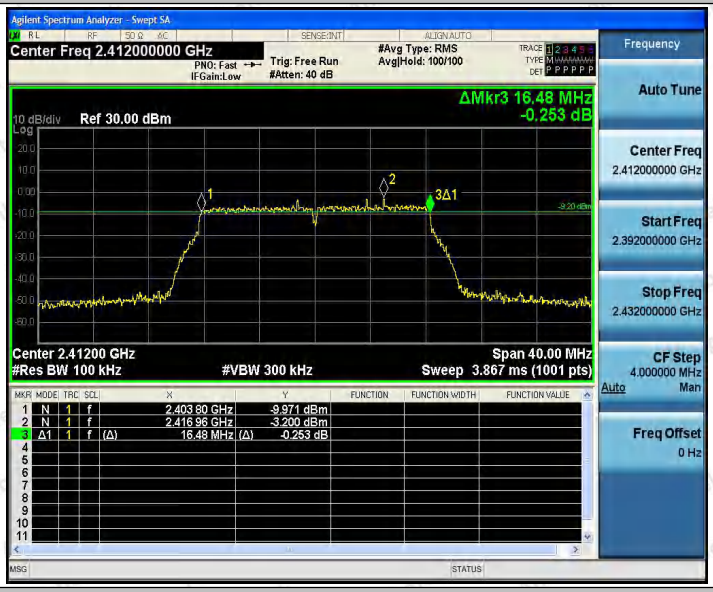


11B_Ant1_2437

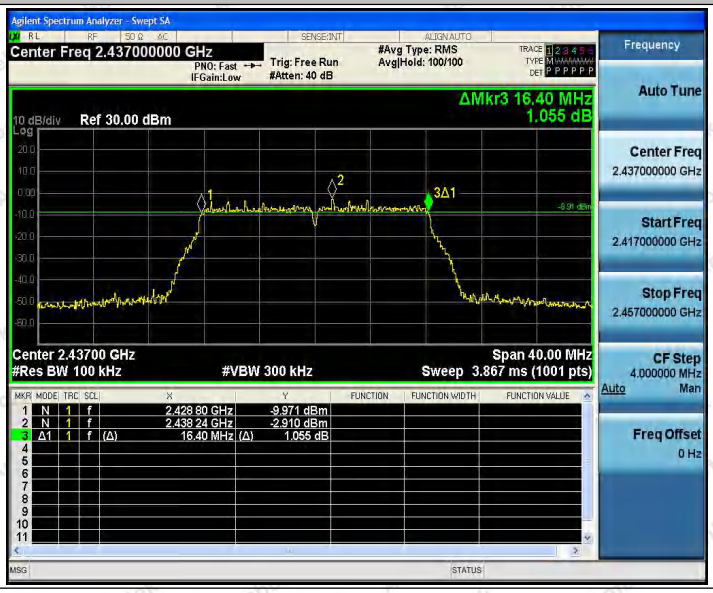
11B_Ant1_2462



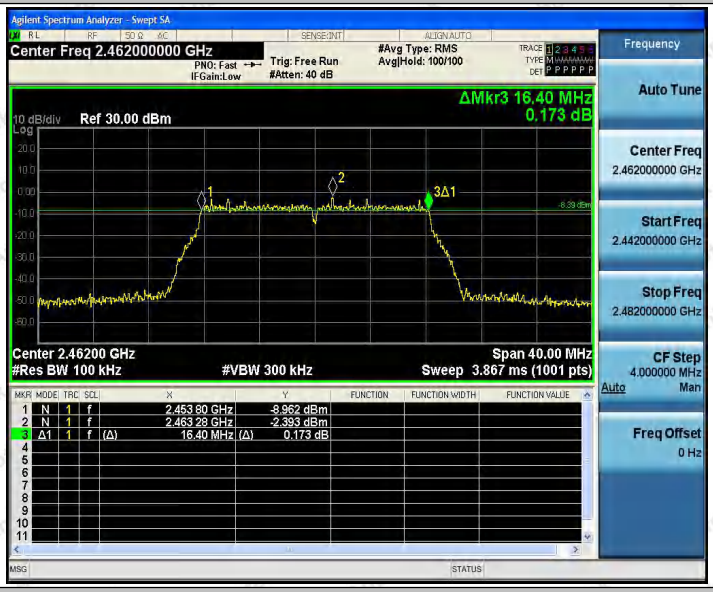
11G_Ant1_2412



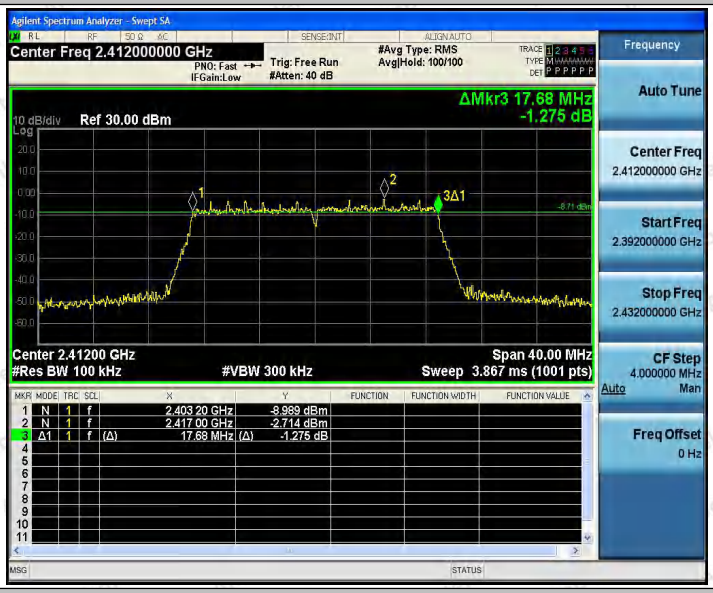
11G_Ant1_2437



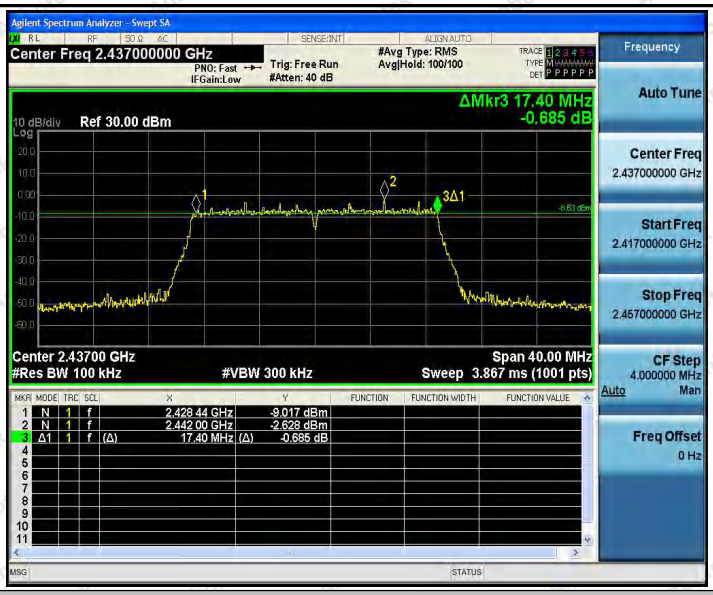
11G_Ant1_2462



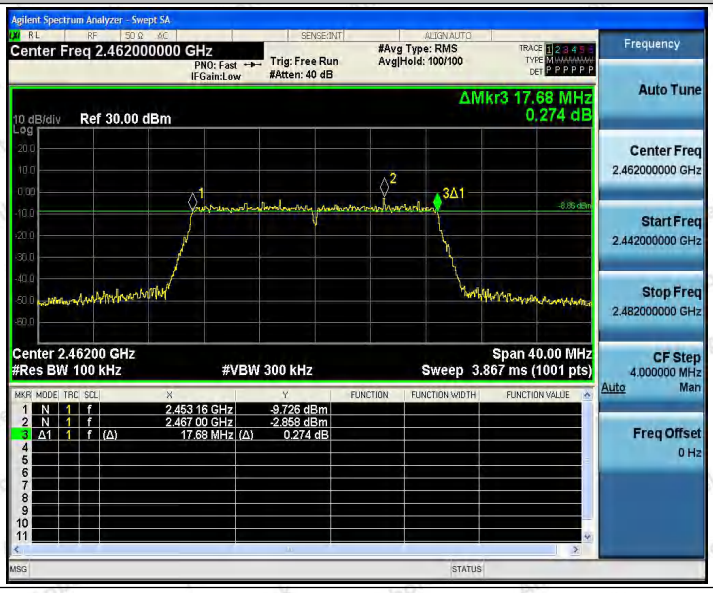
11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462



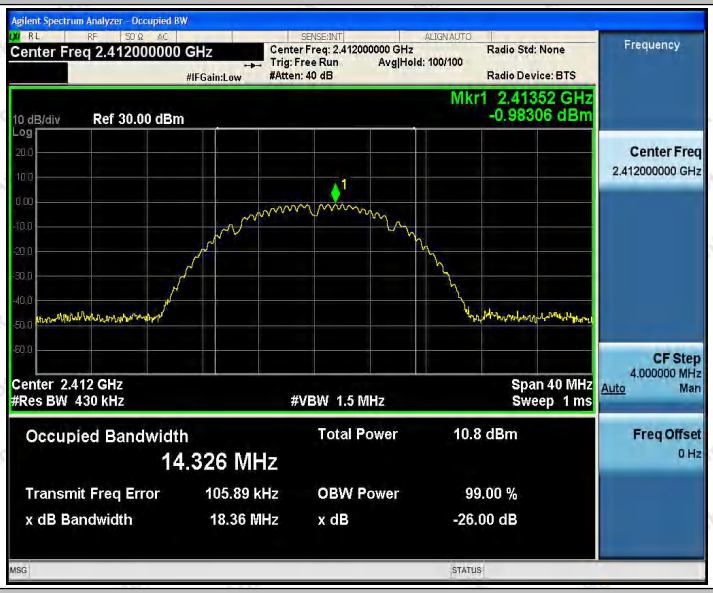
Appendix B: Occupied Channel Bandwidth

Test Result

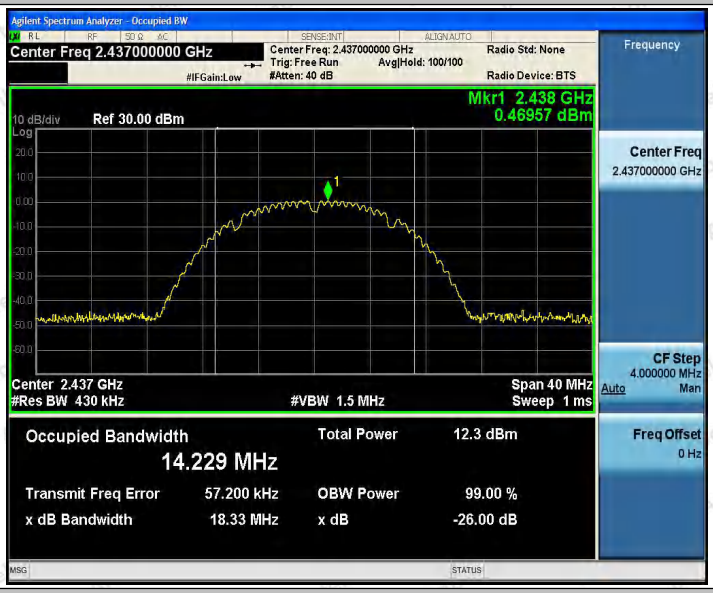
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.326	2404.943	2419.269	---	PASS
		2437	14.229	2429.943	2444.172	---	PASS
		2462	14.297	2454.846	2469.143	---	PASS
11G	Ant1	2412	17.120	2403.512	2420.632	---	PASS
		2437	16.987	2428.559	2445.546	---	PASS
		2462	17.166	2453.437	2470.603	---	PASS
11N20	Ant1	2412	18.007	2403.043	2421.050	---	PASS
		2437	17.899	2428.091	2445.990	---	PASS
		2462	17.977	2452.987	2470.964	---	PASS

Test Graphs

11B_Ant1_2412

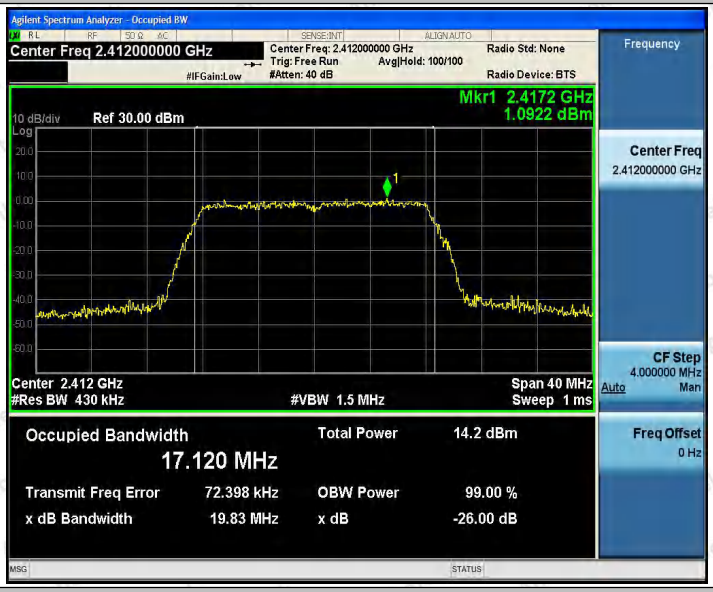


11B_Ant1_2437

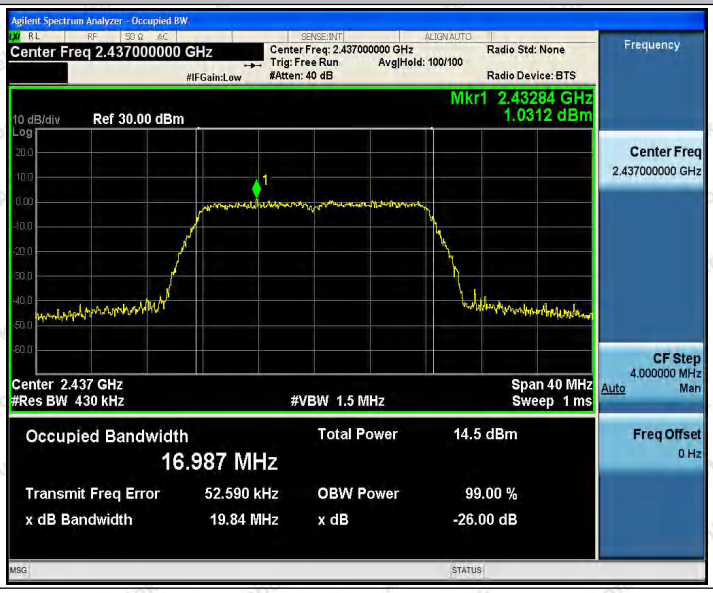


11B_Ant1_2462

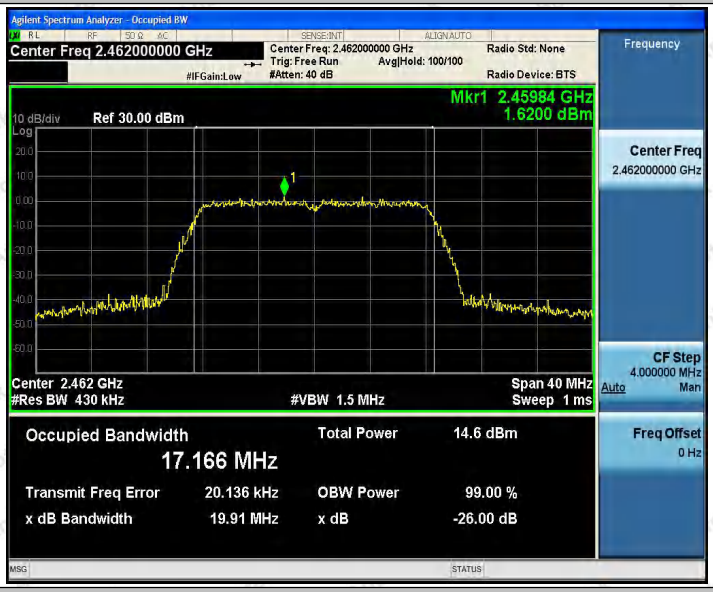
11G_Ant1_2412



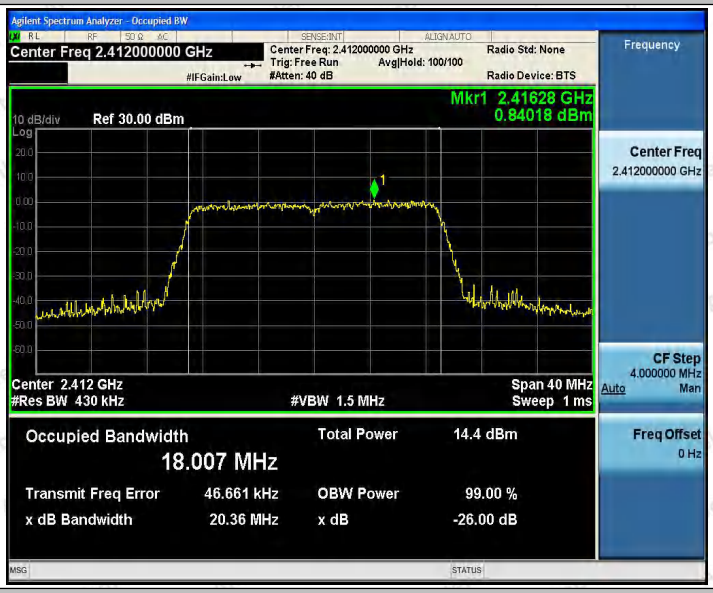
11G_Ant1_2437



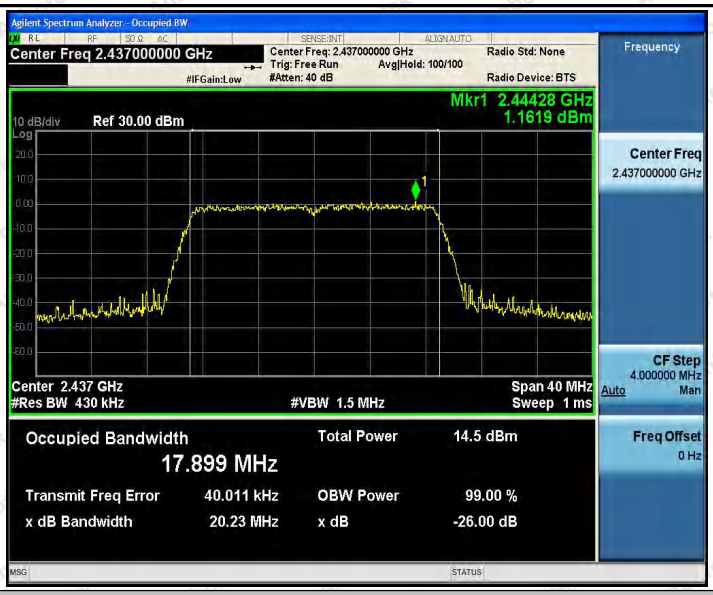
11G_Ant1_2462



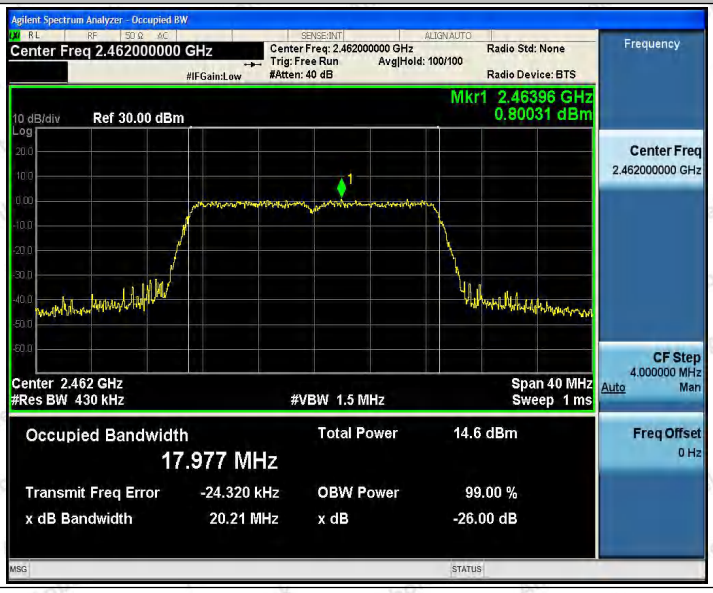
11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.93	≤30	PASS
		2437	15.54	≤30	PASS
		2462	15.41	≤30	PASS
11G	Ant1	2412	15.86	≤30	PASS
		2437	15.58	≤30	PASS
		2462	15.81	≤30	PASS
11N20	Ant1	2412	15.91	≤30	PASS
		2437	15.64	≤30	PASS
		2462	15.80	≤30	PASS

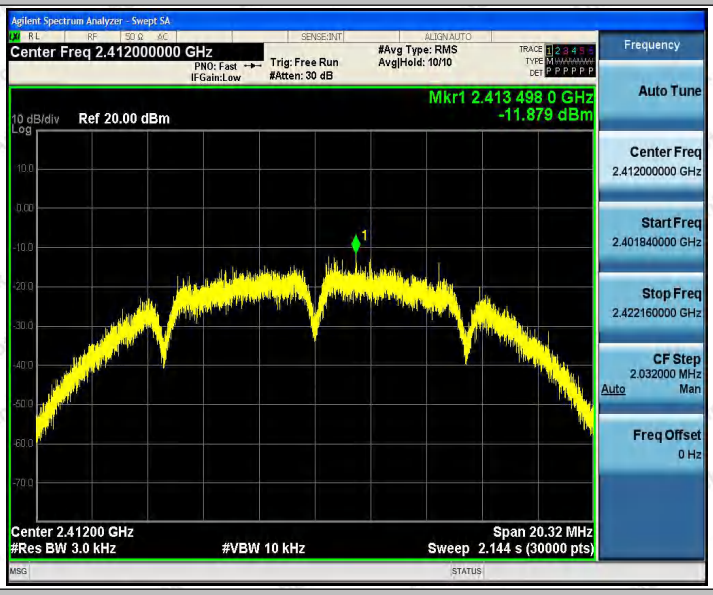
Appendix D: Maximum power spectral density

Test Result

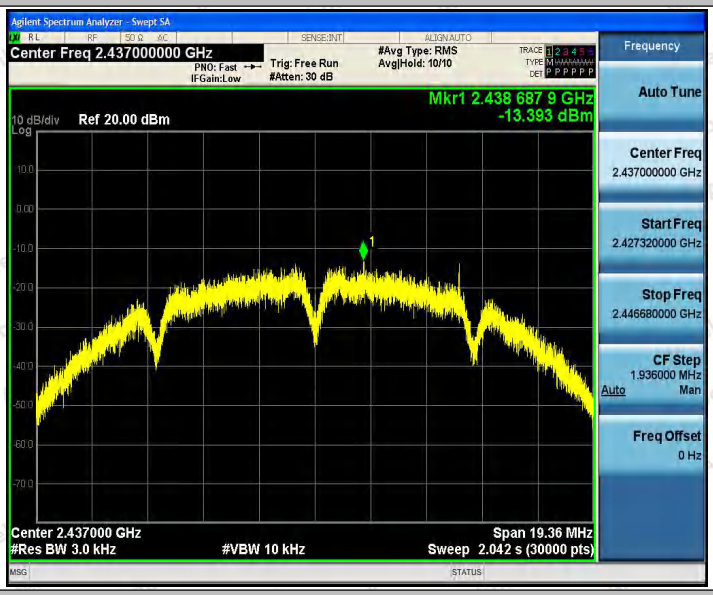
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-11.88	≤8	PASS
		2437	-13.39	≤8	PASS
		2462	-13.65	≤8	PASS
11G	Ant1	2412	-16.22	≤8	PASS
		2437	-16.71	≤8	PASS
		2462	-16.23	≤8	PASS
11N20	Ant1	2412	-15.98	≤8	PASS
		2437	-17.29	≤8	PASS
		2462	-16.21	≤8	PASS

Test Graphs

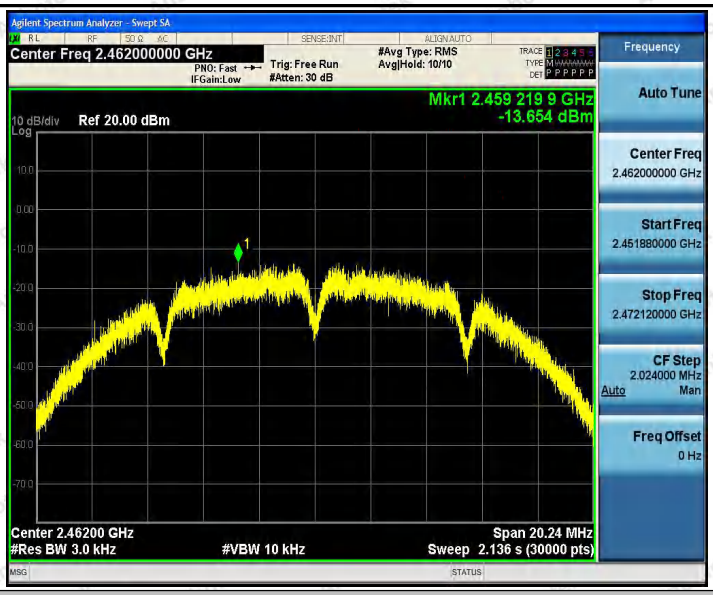
11B_Ant1_2412



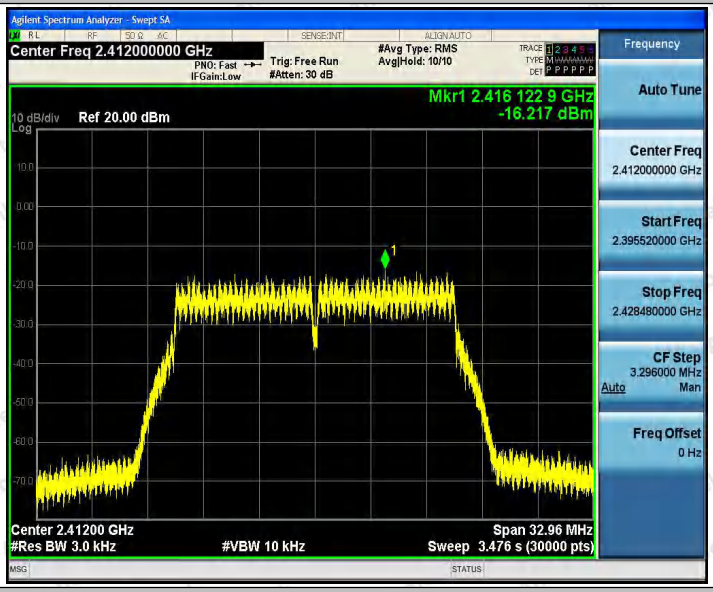
11B_Ant1_2437



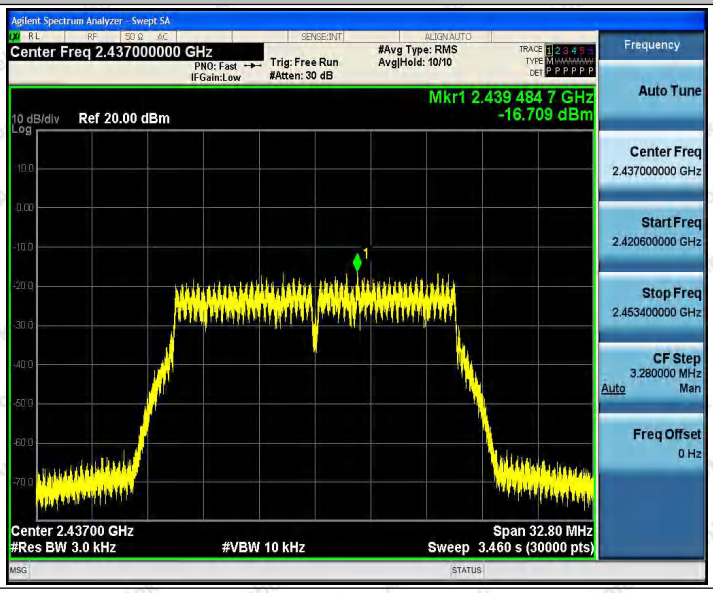
11B_Ant1_2462



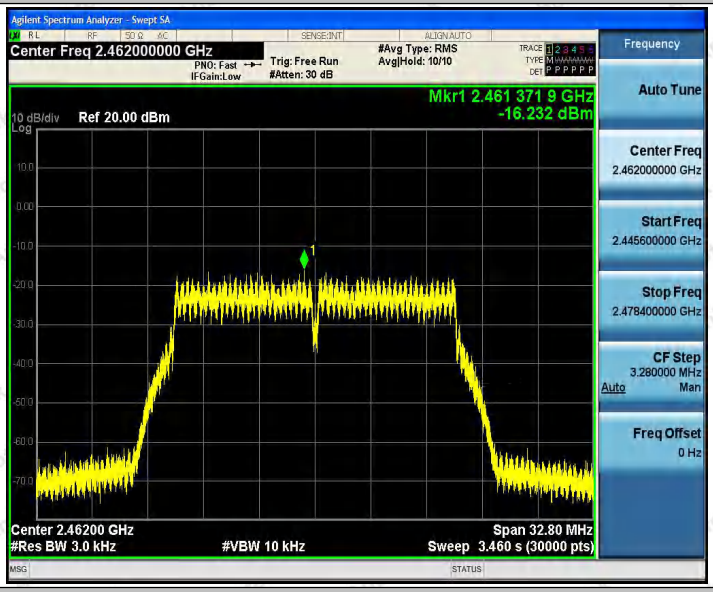
11G_Ant1_2412



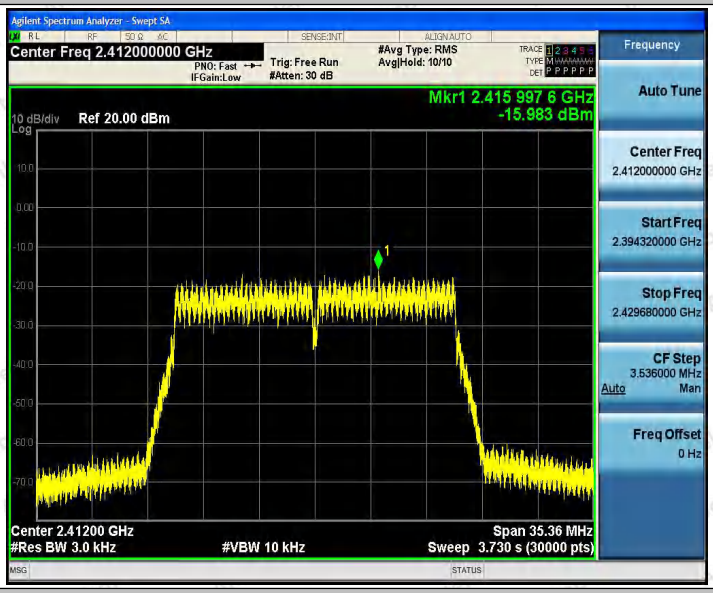
11G_Ant1_2437



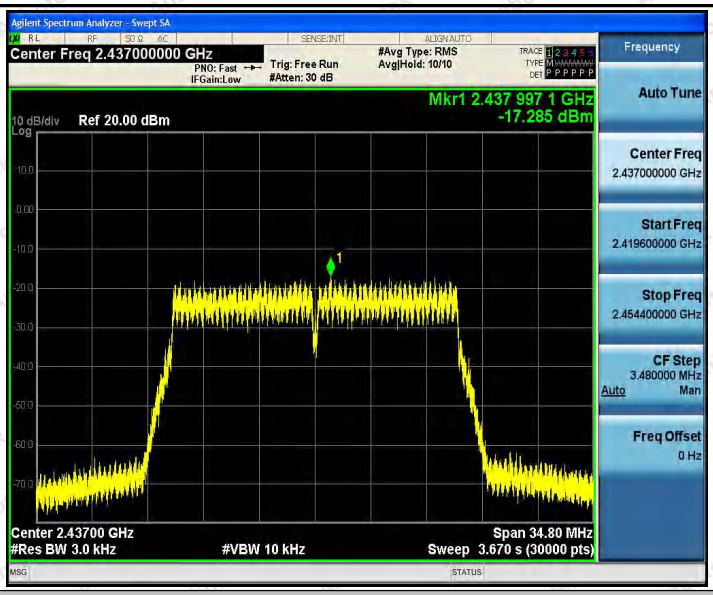
11G_Ant1_2462



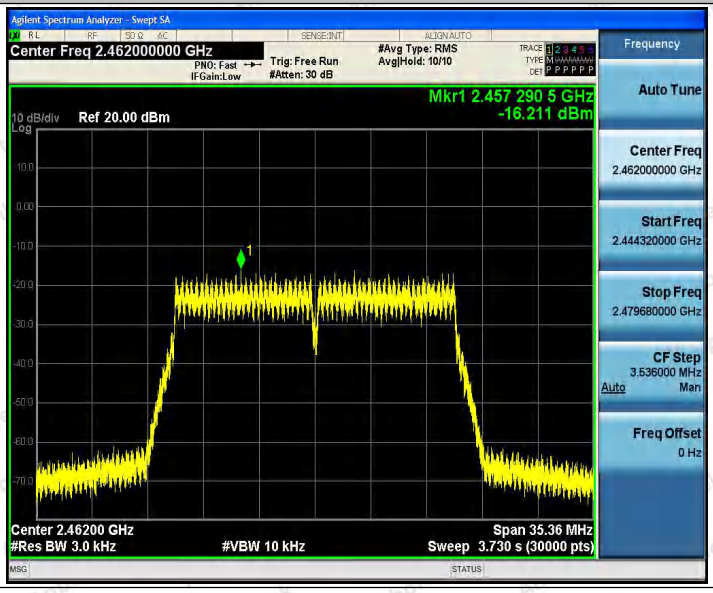
11N20_Ant1_2412



11N20_Ant1_2437



11N20_Ant1_2462



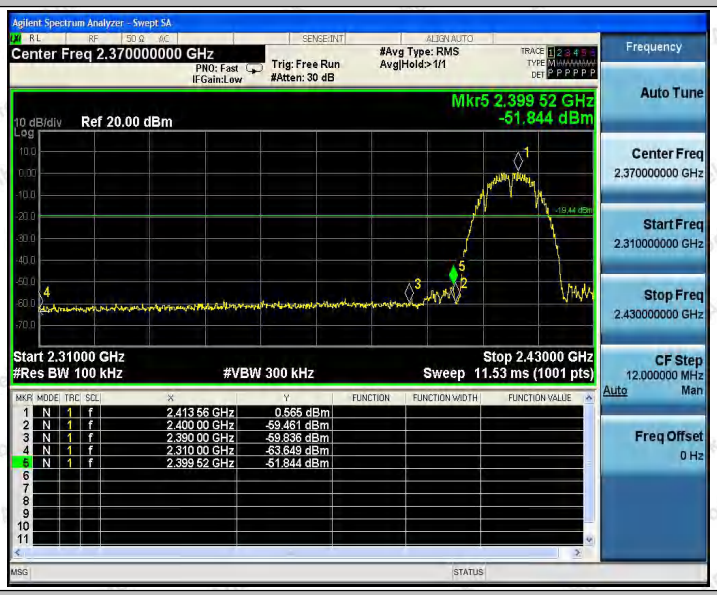
Appendix E: Band edge measurements

Test Result

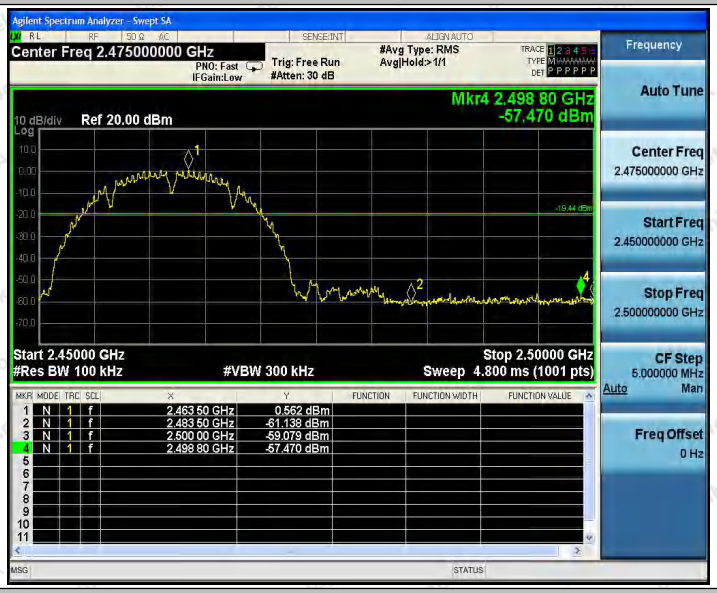
Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	0.57	-51.84	≤-19.44	PASS
		High	2462	0.56	-57.47	≤-19.44	PASS
11G	Ant1	Low	2412	-2.27	-47.16	≤-22.27	PASS
		High	2462	-3.04	-51.98	≤-23.04	PASS
11N20	Ant1	Low	2412	-2.28	-44.66	≤-22.28	PASS
		High	2462	-2.37	-51.69	≤-22.37	PASS

Test Graphs

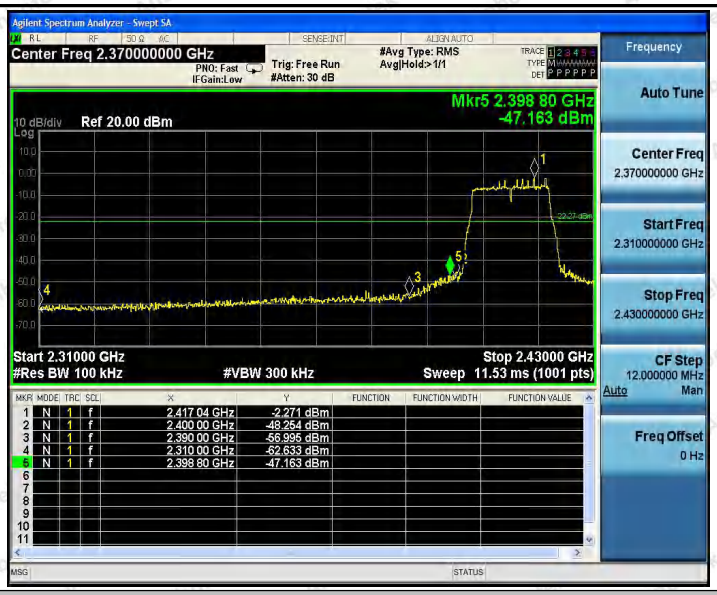
11B_Ant1_Low_2412



11B_Ant1_High_2462

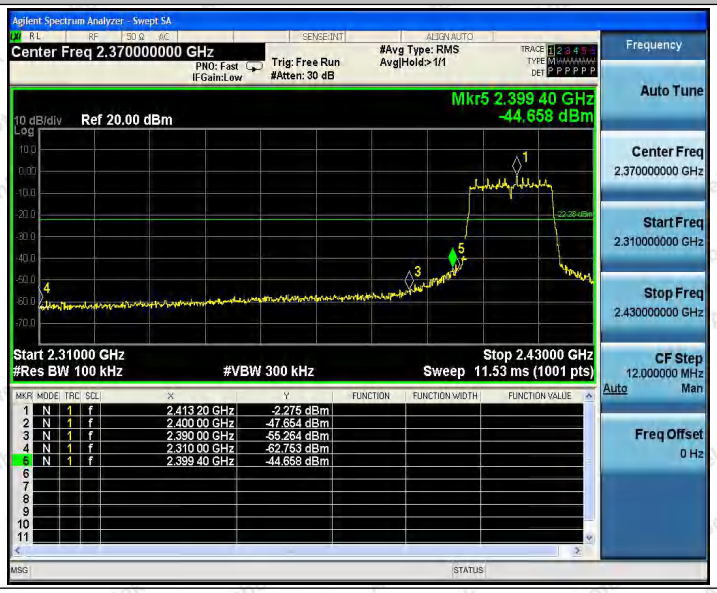


11G_Ant1_Low_2412



11G_Ant1_High_2462

11N20_Ant1_Low_2412



11N20_Ant1_High_2462

Appendix F: Conducted Spurious Emission

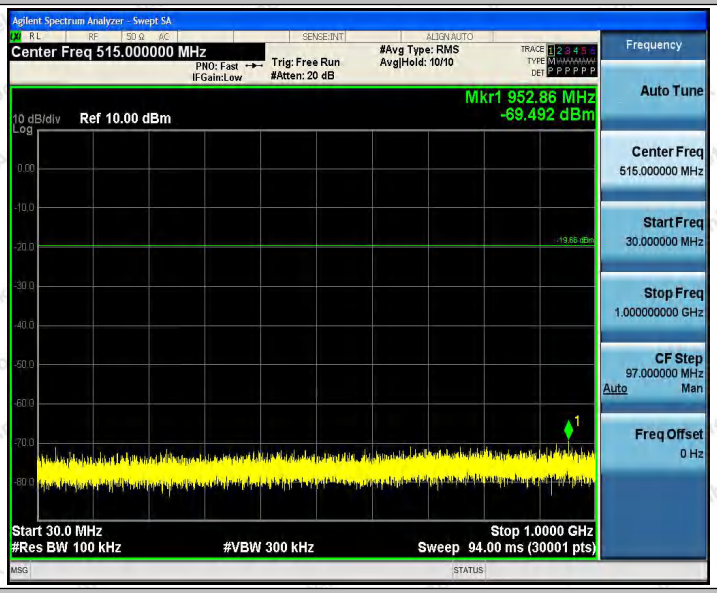
Test Result

Test Mode	Antenna	Channel	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-69.49	≤-19.66	PASS
			1000~26500	0.34	-55.82	≤-19.66	PASS
		2437	Reference	0.20	0.20	---	PASS
			30~1000	0.20	-69.79	≤-19.8	PASS
			1000~26500	0.20	-55.87	≤-19.8	PASS
		2462	Reference	0.76	0.76	---	PASS
			30~1000	0.76	-70.75	≤-19.24	PASS
			1000~26500	0.76	-55.2	≤-19.24	PASS
11G	Ant1	2412	Reference	-3.01	-3.01	---	PASS
			30~1000	-3.01	-70.06	≤-23.01	PASS
			1000~26500	-3.01	-55.83	≤-23.01	PASS
		2437	Reference	-3.49	-3.49	---	PASS
			30~1000	-3.49	-70.39	≤-23.49	PASS
			1000~26500	-3.49	-55.83	≤-23.49	PASS
		2462	Reference	-2.92	-2.92	---	PASS
			30~1000	-2.92	-69.68	≤-22.92	PASS
			1000~26500	-2.92	-55.56	≤-22.92	PASS
11N20	Ant1	2412	Reference	-2.72	-2.72	---	PASS
			30~1000	-2.72	-70.11	≤-22.72	PASS
			1000~26500	-2.72	-55.46	≤-22.72	PASS
		2437	Reference	-3.20	-3.20	---	PASS
			30~1000	-3.20	-70.04	≤-23.2	PASS
			1000~26500	-3.20	-55.65	≤-23.2	PASS
		2462	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-69.96	≤-22.94	PASS
			1000~26500	-2.94	-55.23	≤-22.94	PASS

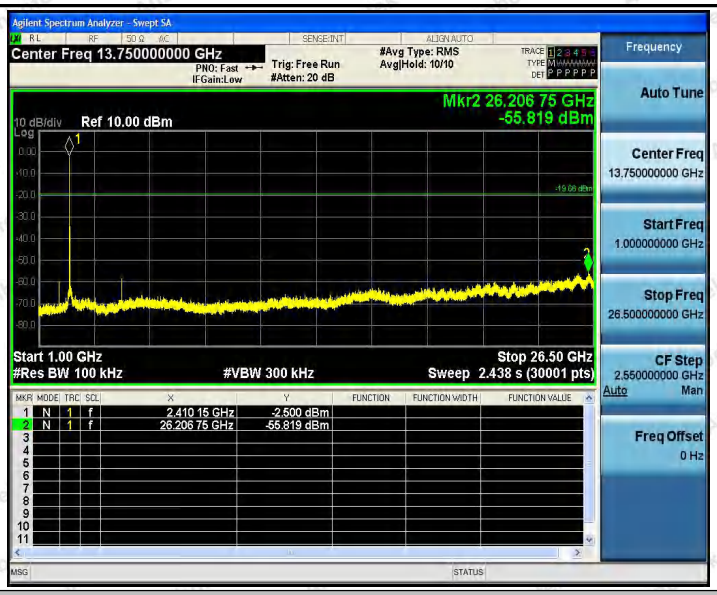
Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_30~1000

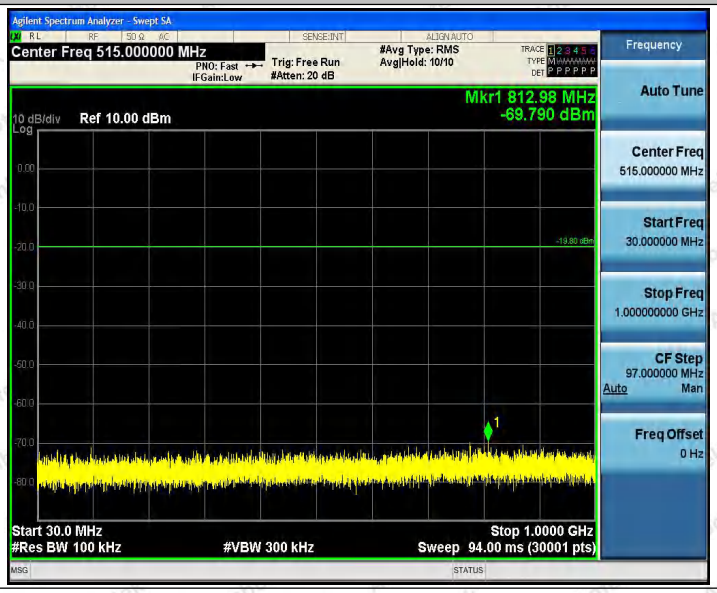


11B_Ant1_2412_1000~26500

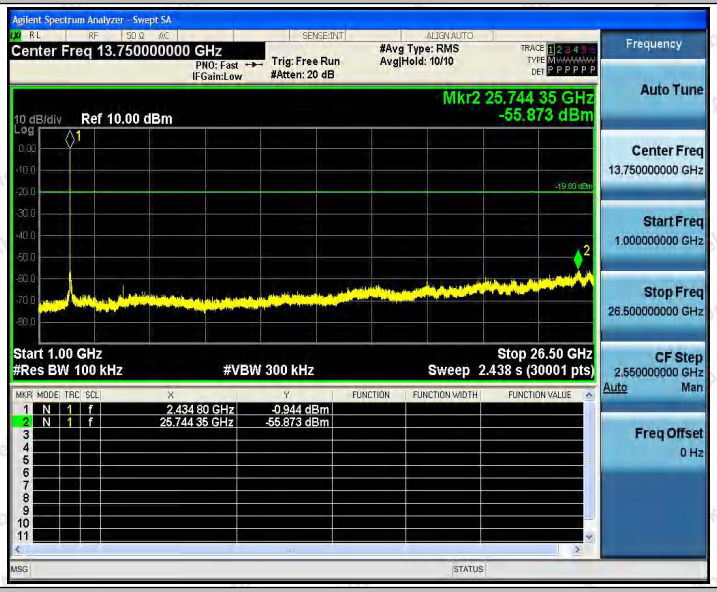


11B_Ant1_2437_0~Reference

11B_Ant1_2437_30~1000

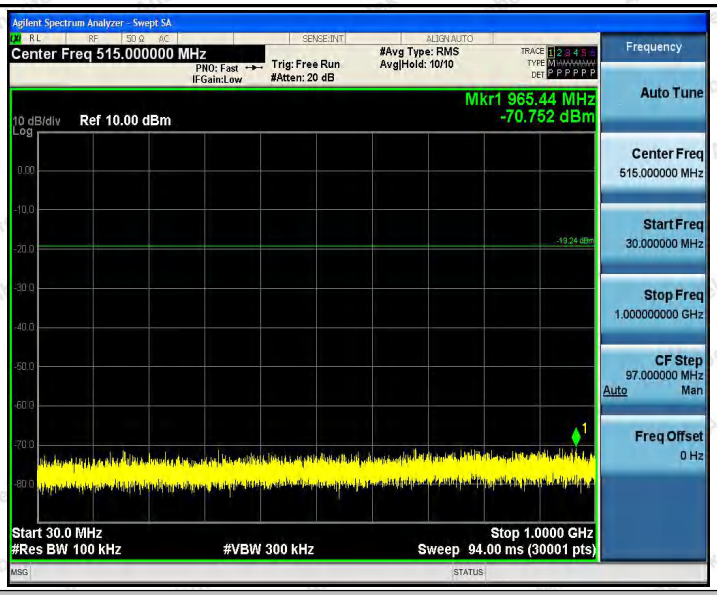


11B_Ant1_2437_1000~26500

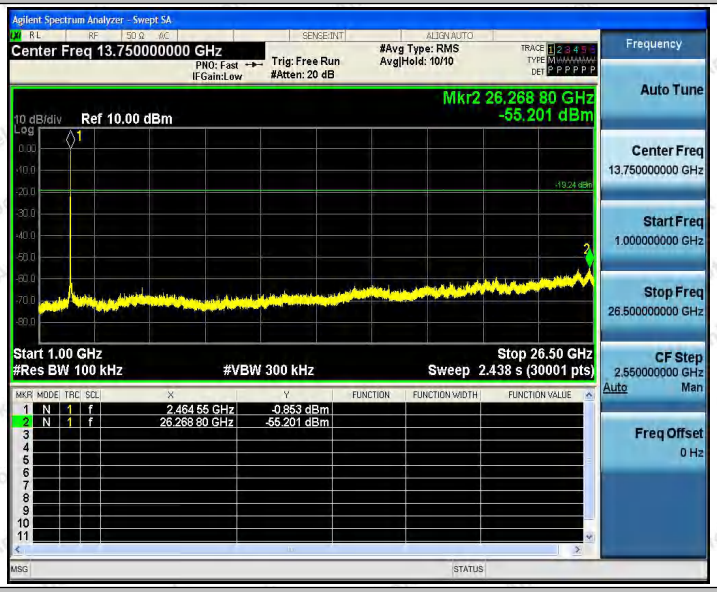


11B_Ant1_2462_0~Reference

11B_Ant1_2462_30~1000

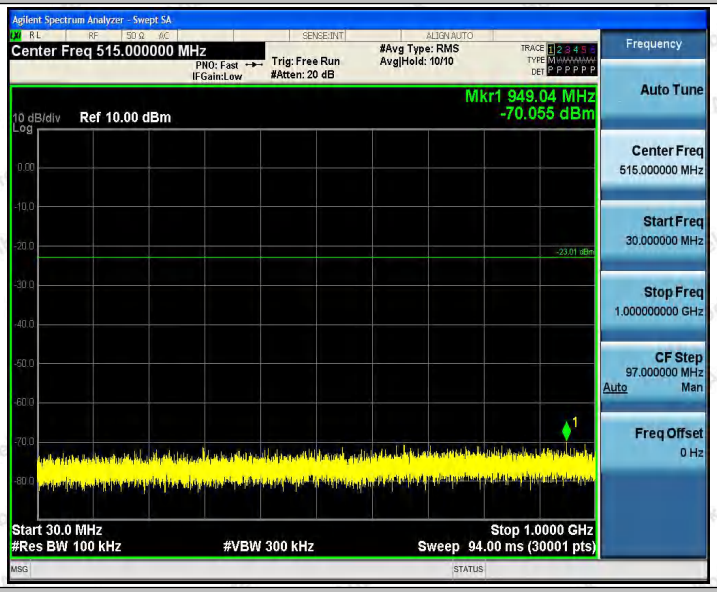


11B_Ant1_2462_1000~26500

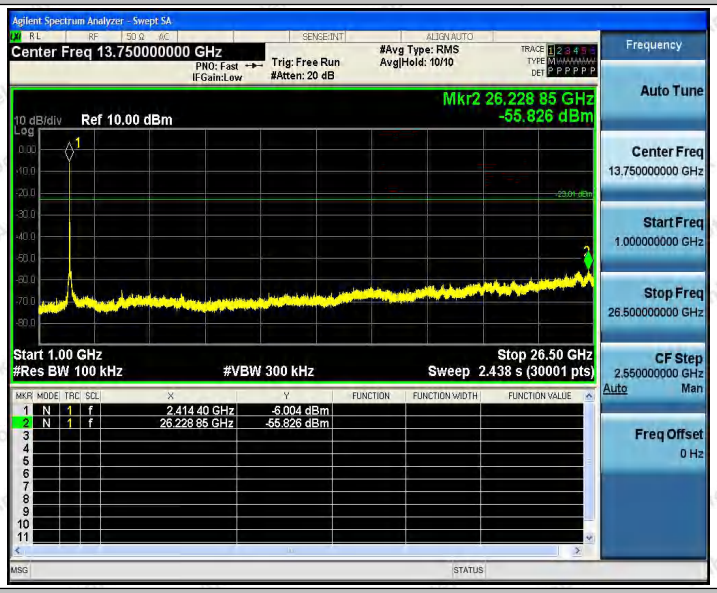


11G_Ant1_2412_0~Reference

11G_Ant1_2412_30~1000

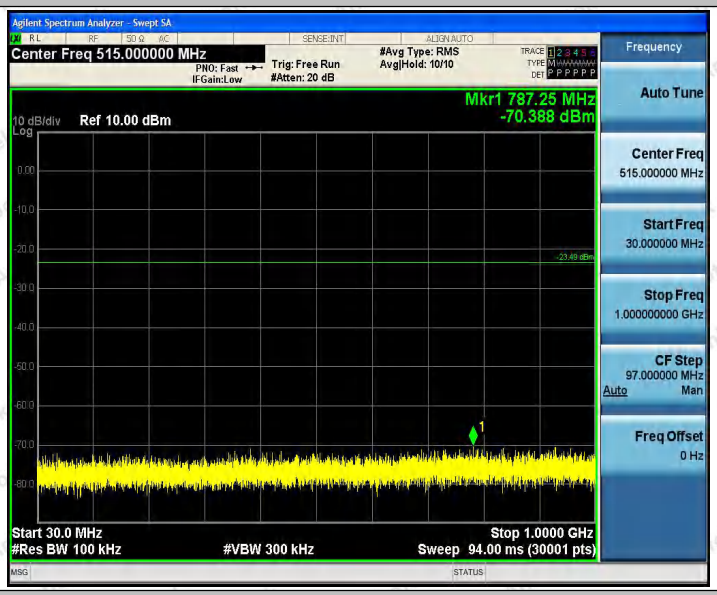


11G_Ant1_2412_1000~26500

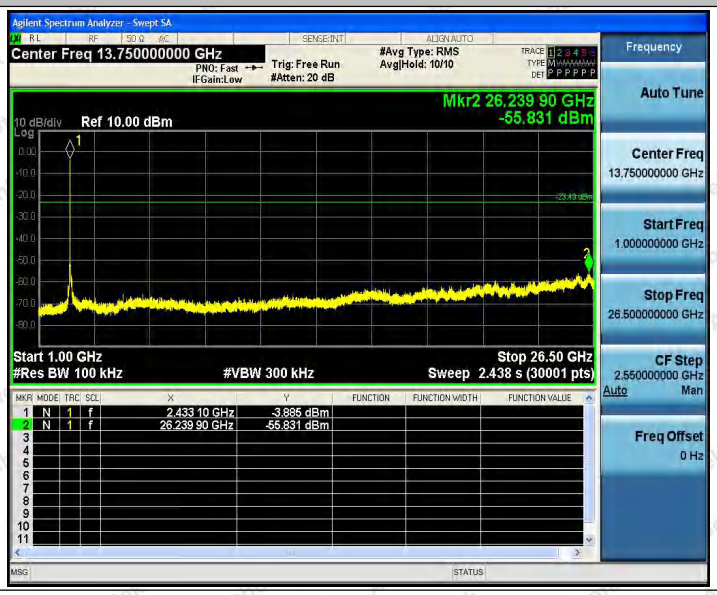


11G_Ant1_2437_0~Reference

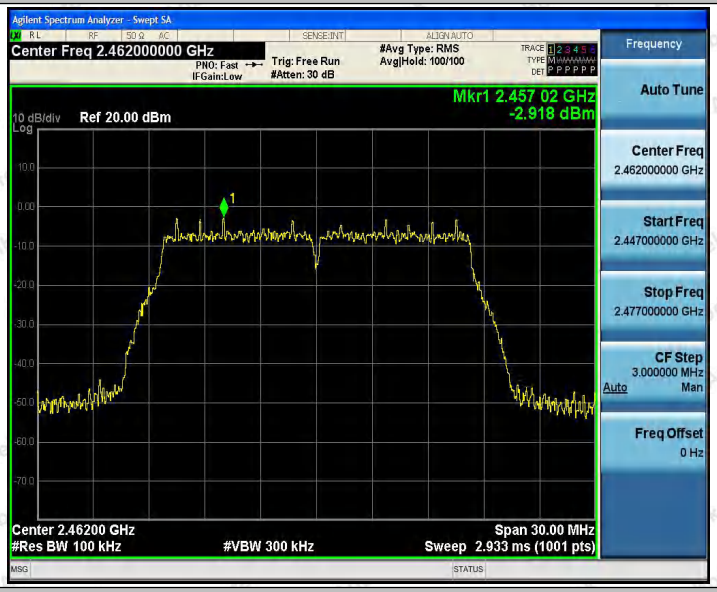
11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



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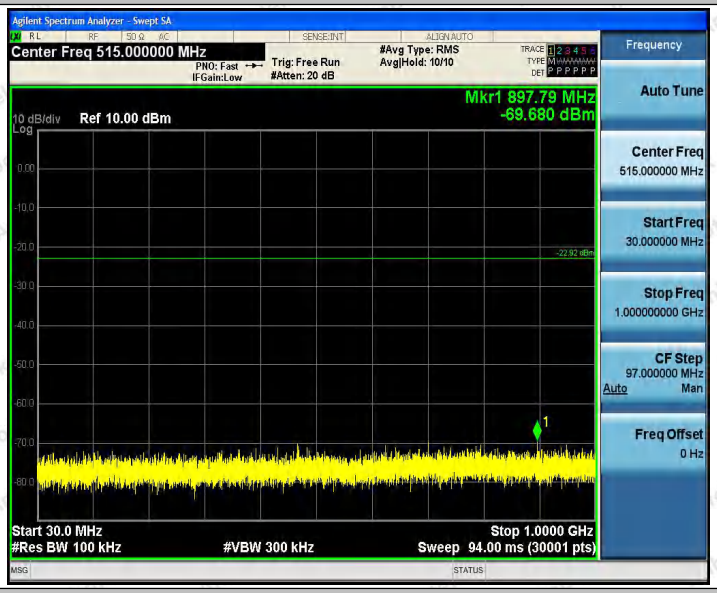

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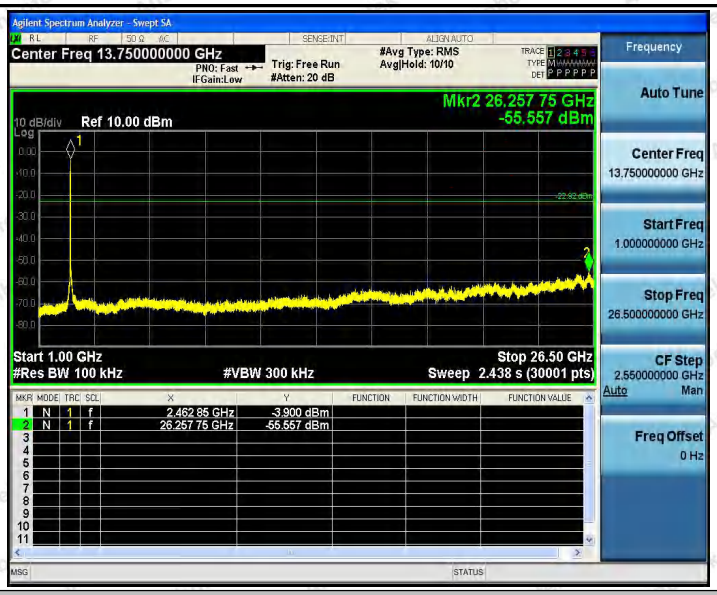

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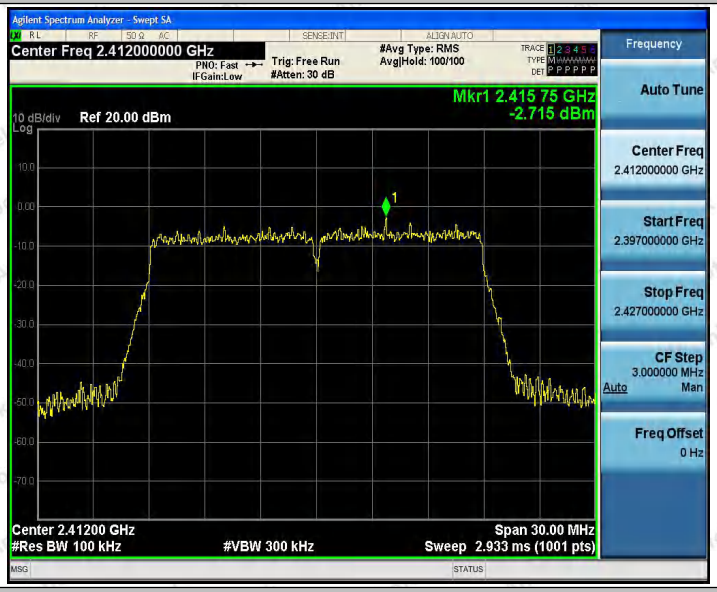

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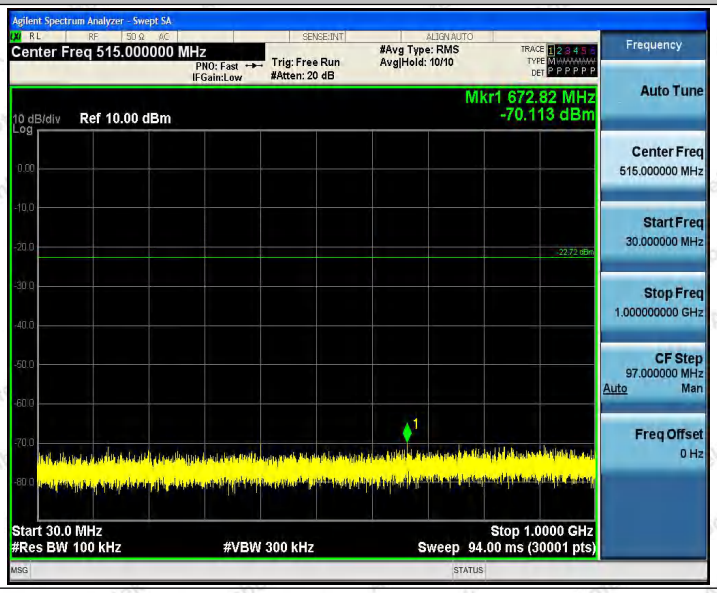

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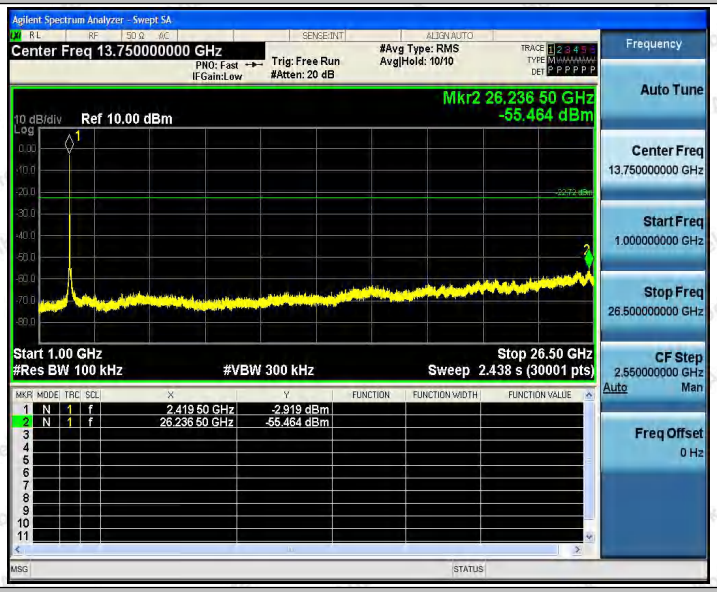

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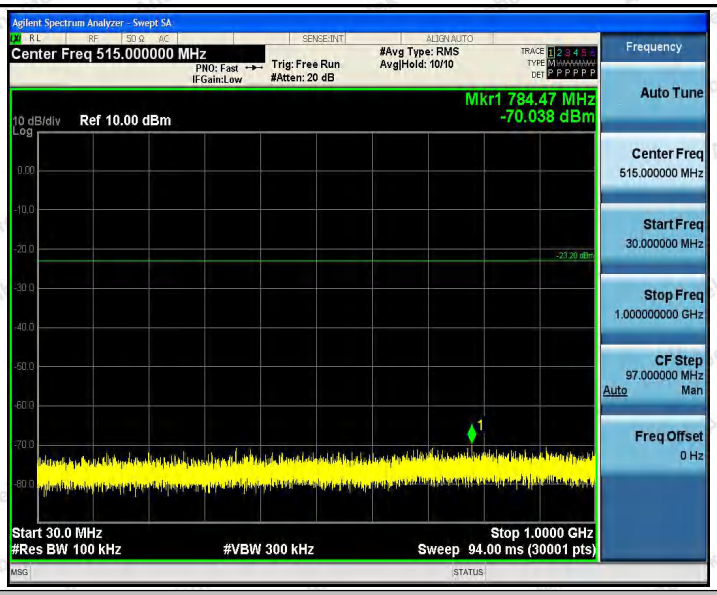

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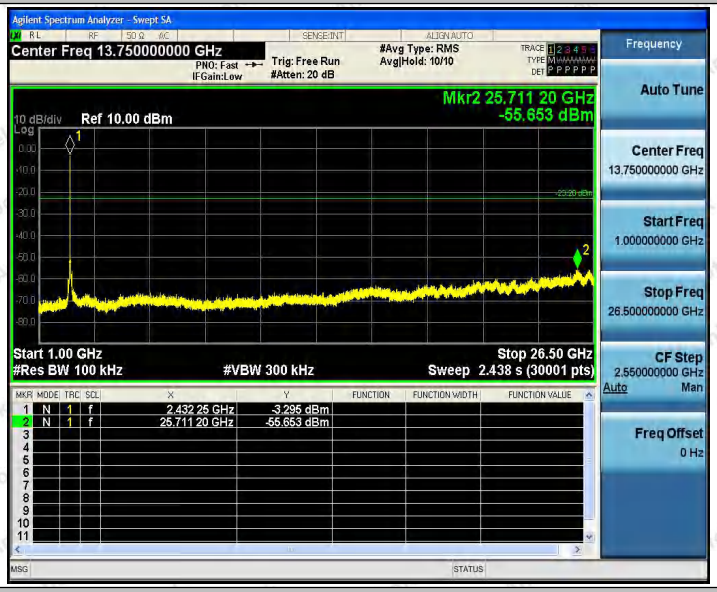

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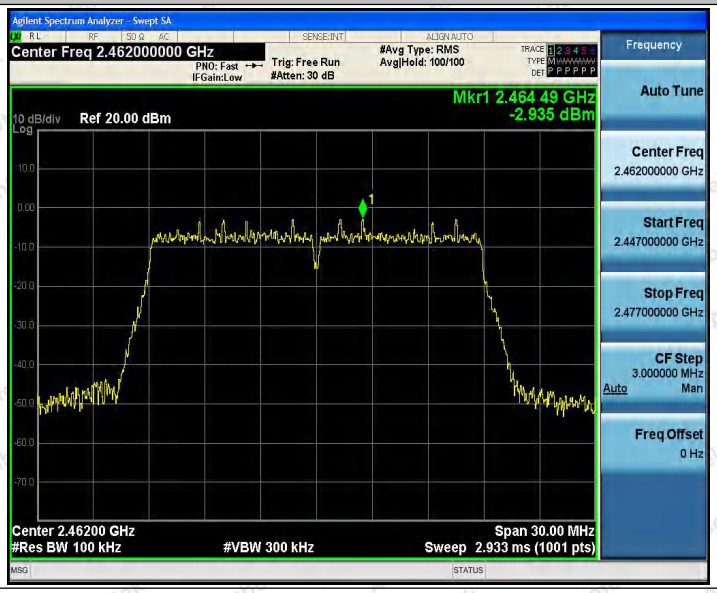

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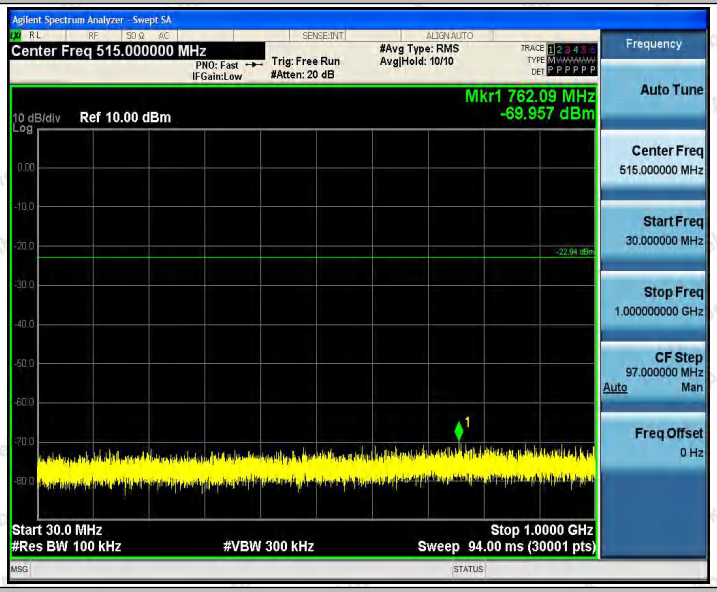

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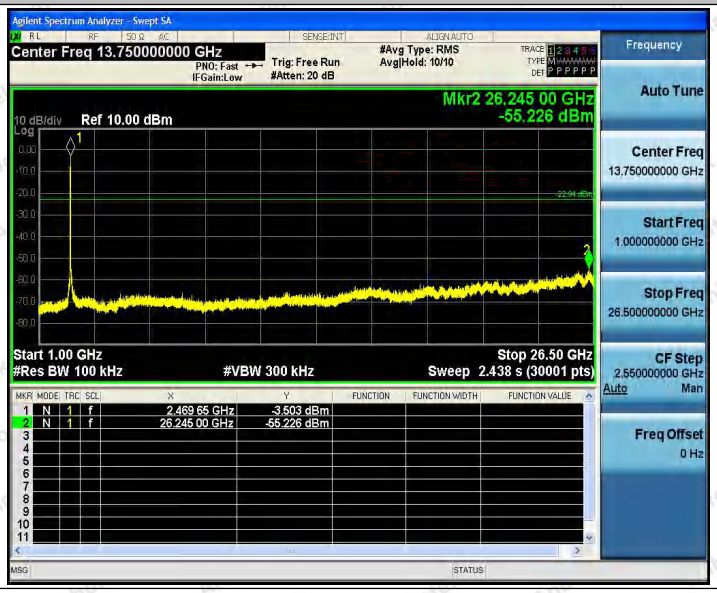


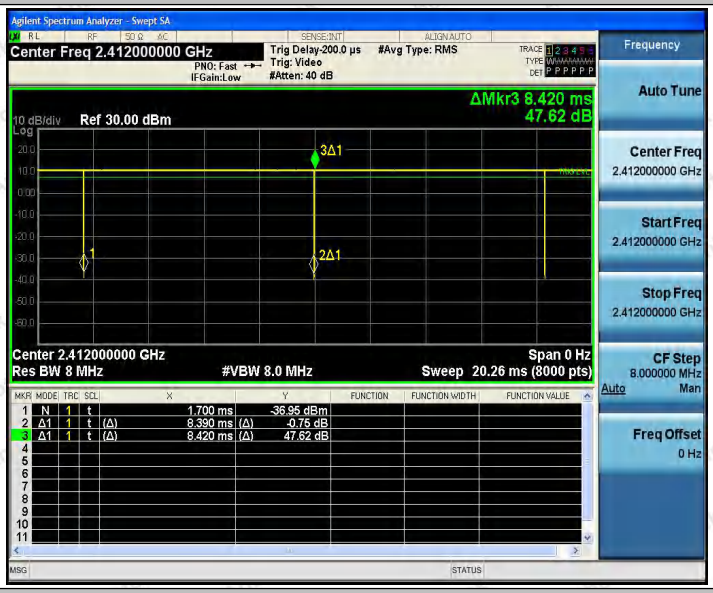
Appendix G: Duty Cycle

Test Result

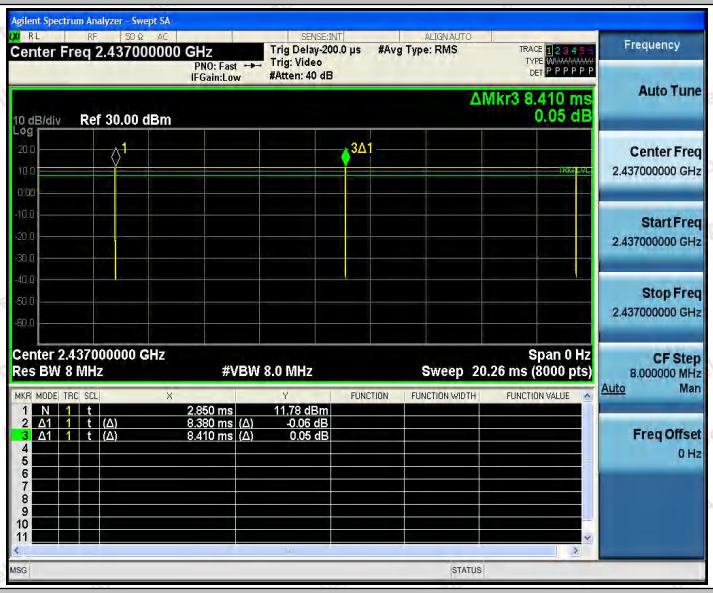
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.39	8.42	99.64	---	PASS
		2437	8.38	8.41	99.64	---	PASS
		2462	8.38	8.41	99.64	---	PASS
11G	Ant1	2412	1.39	1.43	97.20	---	PASS
		2437	1.40	1.43	97.90	---	PASS
		2462	1.40	1.43	97.90	---	PASS
11N20	Ant1	2412	1.30	1.34	97.01	---	PASS
		2437	1.30	1.34	97.01	---	PASS
		2462	1.30	1.33	97.74	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



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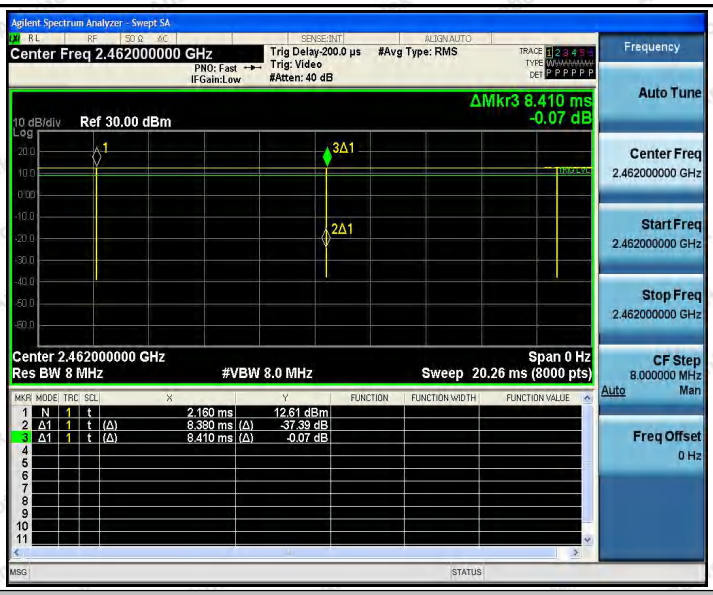

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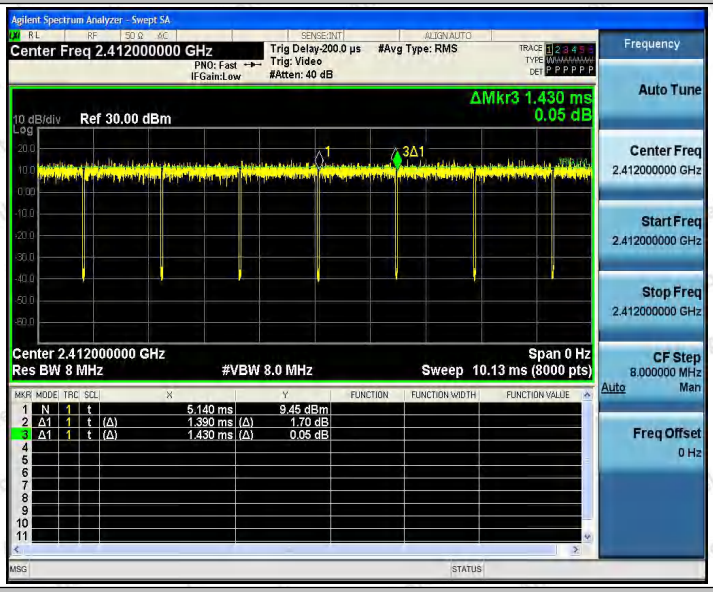

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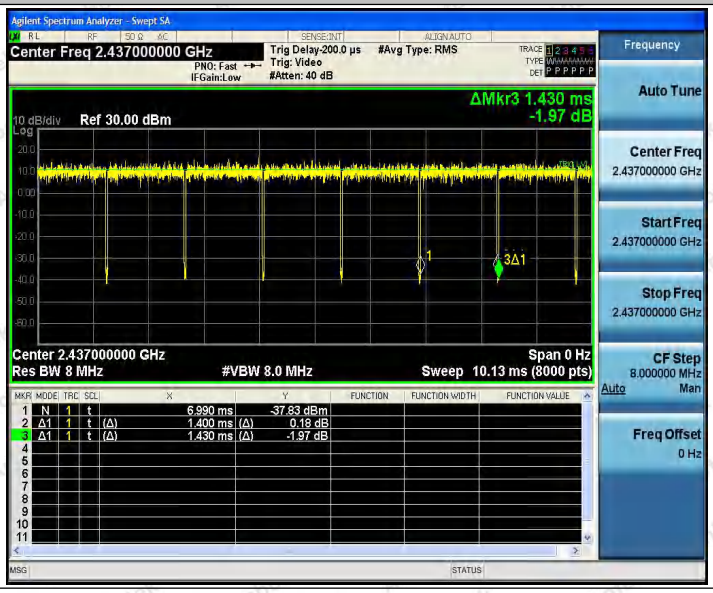

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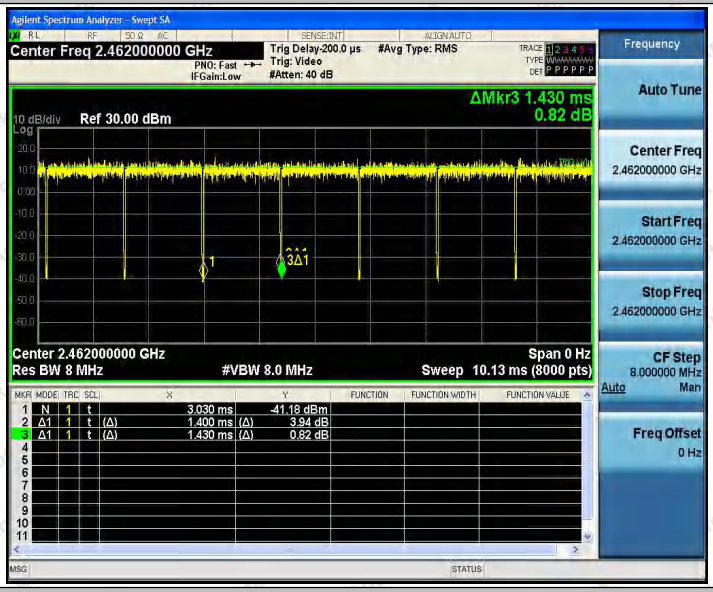

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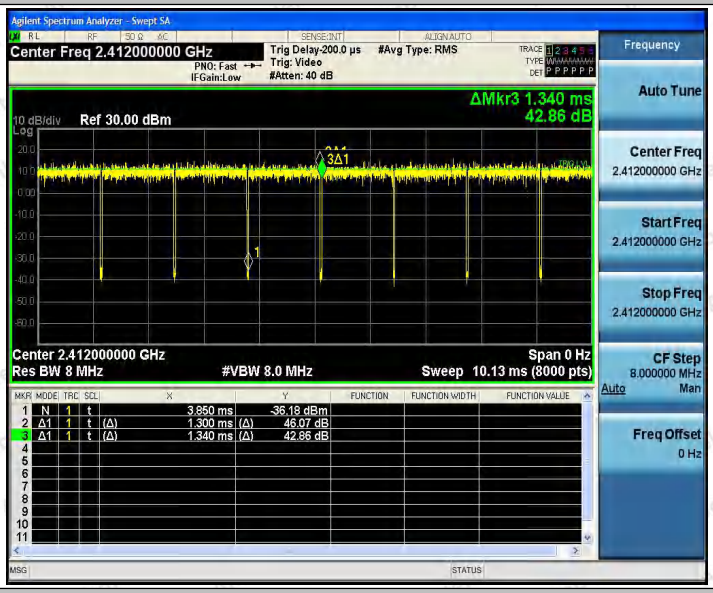

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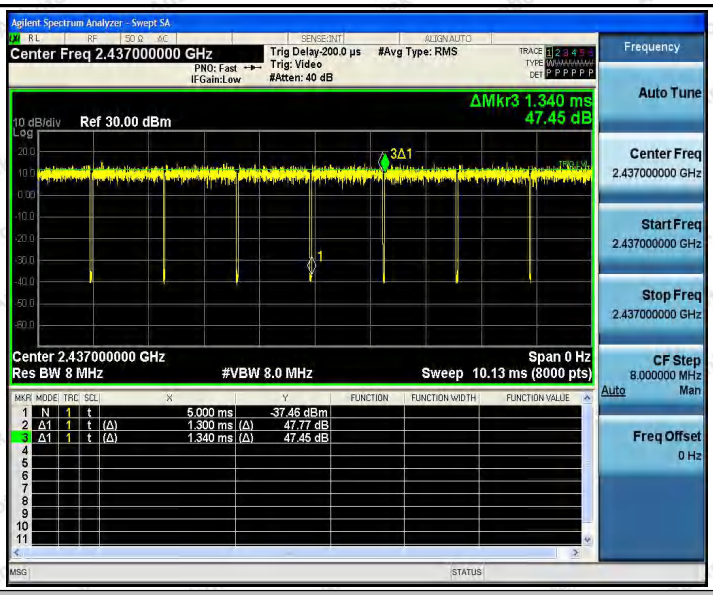

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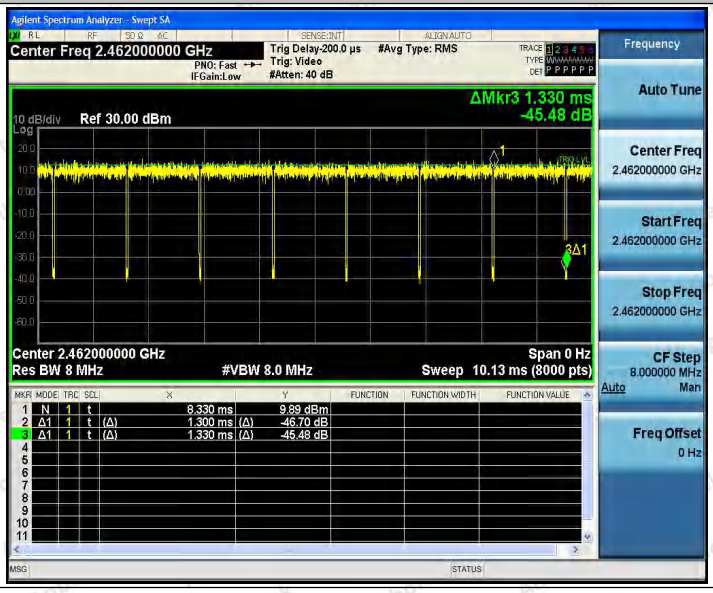

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