Appendix Test Data

Report No.:	18220WC10186801	Test Date:	2021.9.8
Test Engineer:	Tony.He	Auditor:	Edward.Pan
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	1012 hPa		

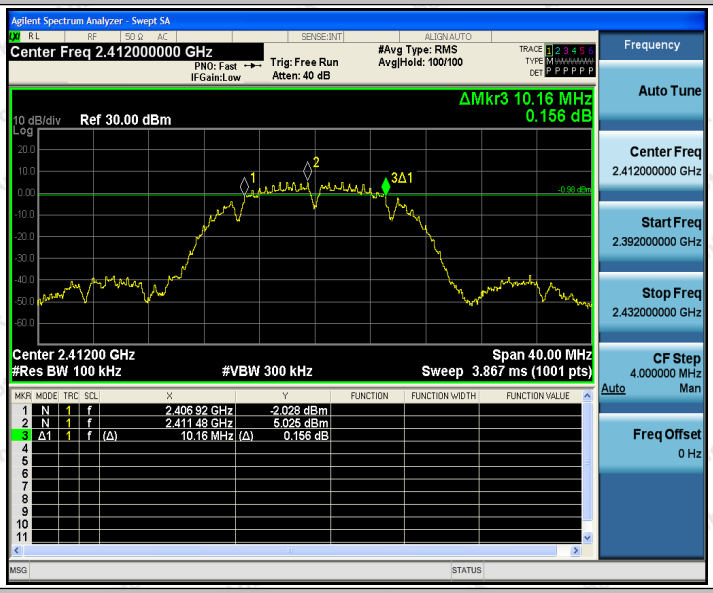
Appendix A: DTS Bandwidth

Test Result

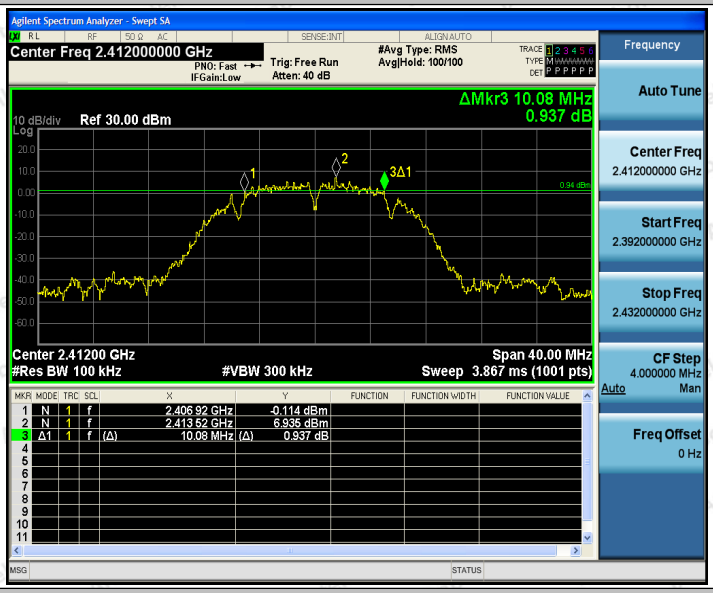
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.160	2406.920	2417.080	≥0.5	PASS
	Ant2	2412	10.080	2406.920	2417.000	≥0.5	PASS
	Ant1	2437	10.120	2431.960	2442.080	≥0.5	PASS
	Ant2	2437	10.160	2431.920	2442.080	≥0.5	PASS
	Ant1	2462	10.160	2456.920	2467.080	≥0.5	PASS
	Ant2	2462	10.160	2456.920	2467.080	≥0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	≥0.5	PASS
	Ant2	2412	16.480	2403.760	2420.240	≥0.5	PASS
	Ant1	2437	16.400	2428.800	2445.200	≥0.5	PASS
	Ant2	2437	16.400	2428.800	2445.200	≥0.5	PASS
	Ant1	2462	16.360	2453.800	2470.160	≥0.5	PASS
	Ant2	2462	16.440	2453.760	2470.200	≥0.5	PASS
11N20	Ant1	2412	17.360	2403.200	2420.560	≥0.5	PASS
	Ant2	2412	17.320	2403.480	2420.800	≥0.5	PASS
	Ant1	2437	17.200	2428.200	2445.400	≥0.5	PASS
	Ant2	2437	17.600	2428.200	2445.800	≥0.5	PASS
	Ant1	2462	17.600	2453.200	2470.800	≥0.5	PASS
	Ant2	2462	17.640	2453.160	2470.800	≥0.5	PASS
11n40	Ant1	2422	35.440	2404.400	2439.840	≥0.5	PASS
	Ant2	2422	35.520	2404.320	2439.840	≥0.5	PASS
	Ant1	2437	35.360	2419.320	2454.680	≥0.5	PASS
	Ant2	2437	35.360	2419.320	2454.680	≥0.5	PASS
	Ant1	2452	35.840	2433.760	2469.600	≥0.5	PASS
	Ant2	2452	36.080	2433.760	2469.840	≥0.5	PASS

Test Graphs

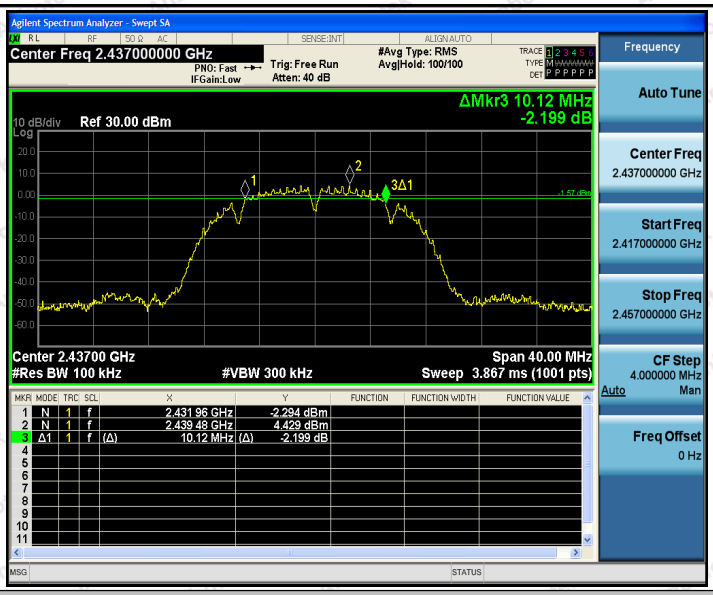
11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



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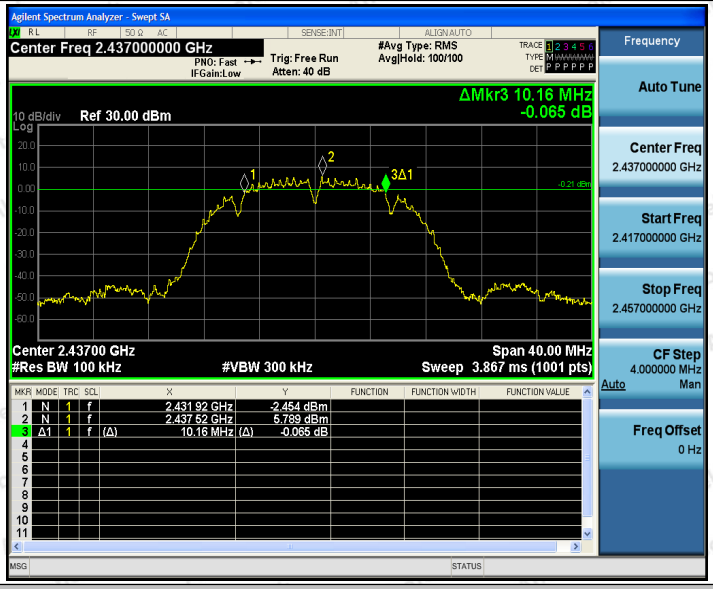

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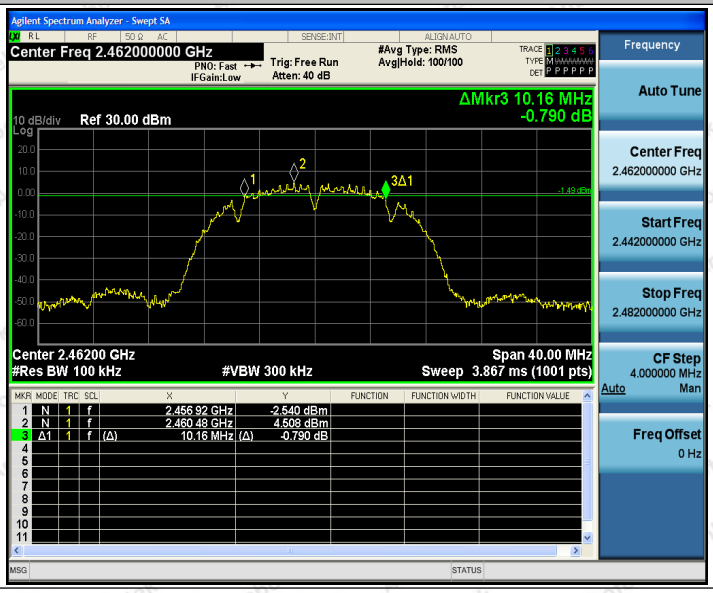

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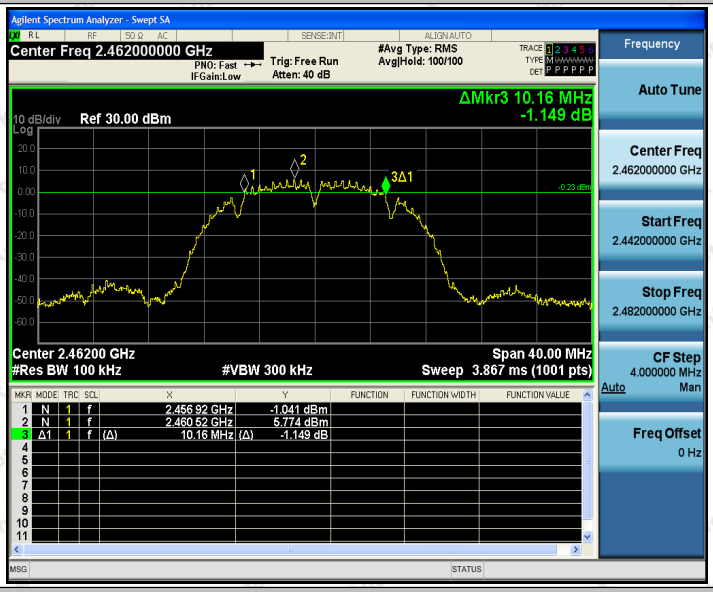

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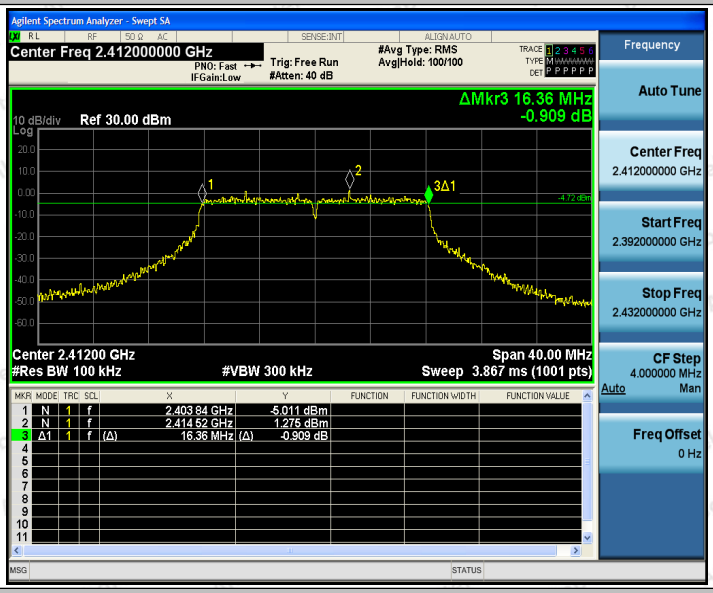

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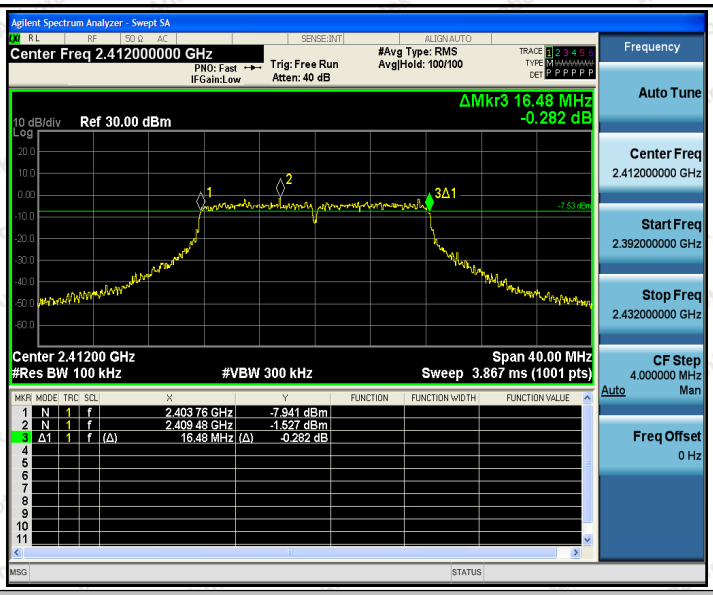

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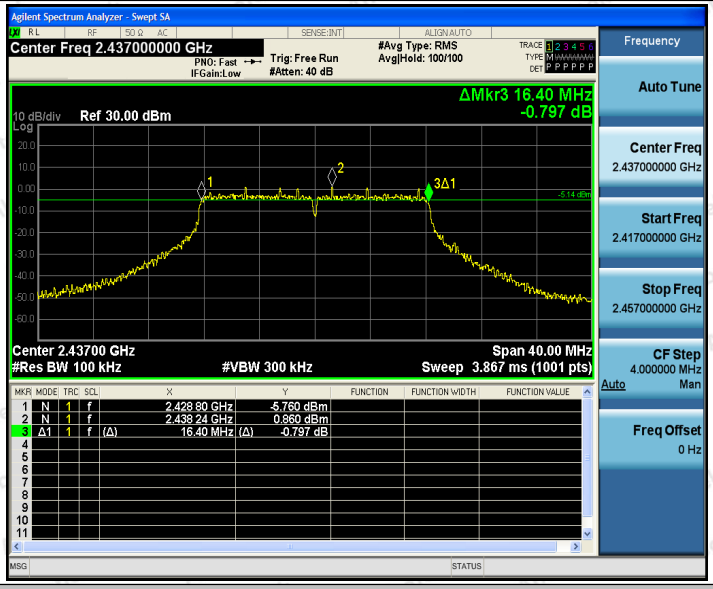

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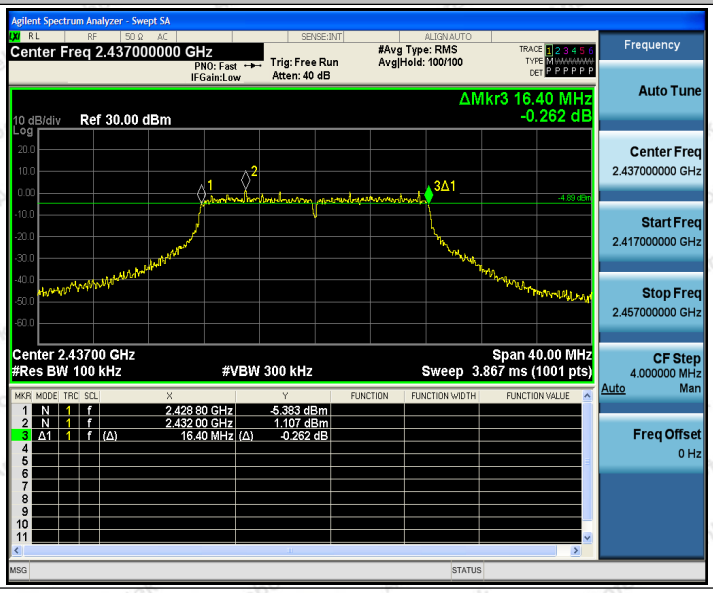

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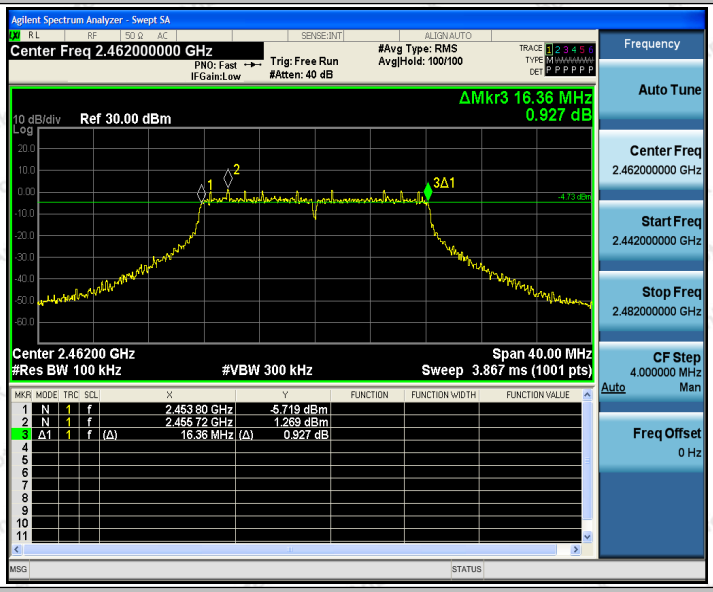

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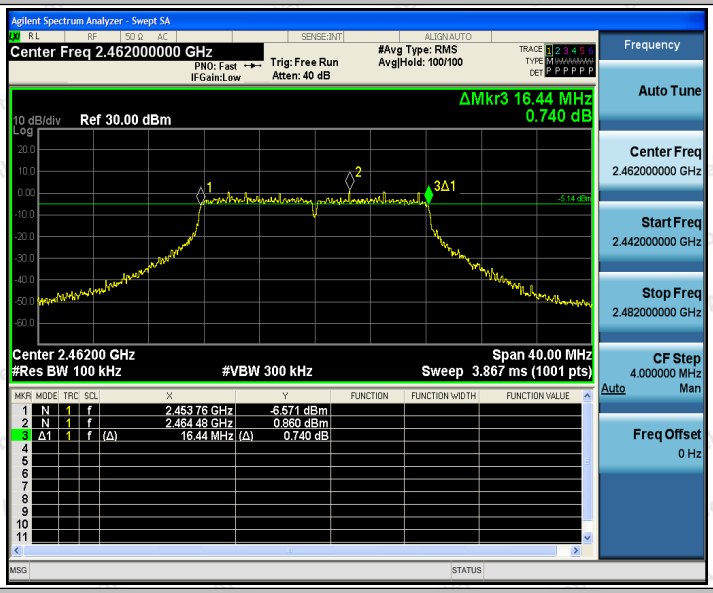

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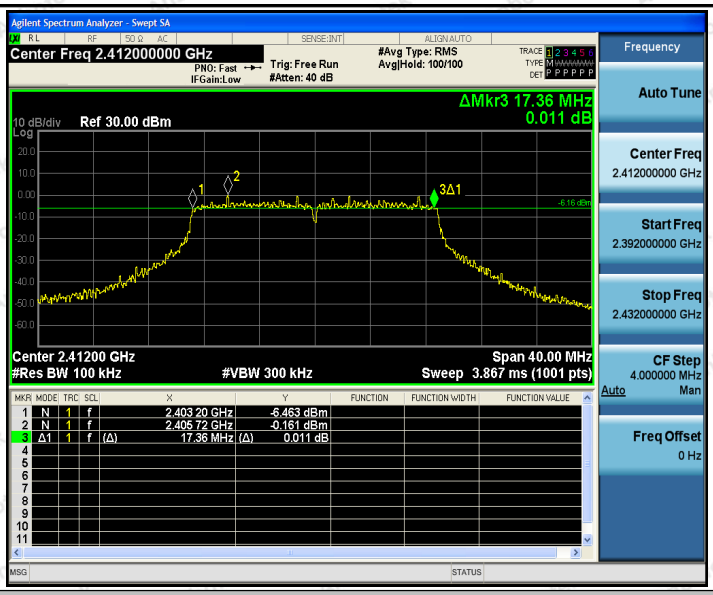

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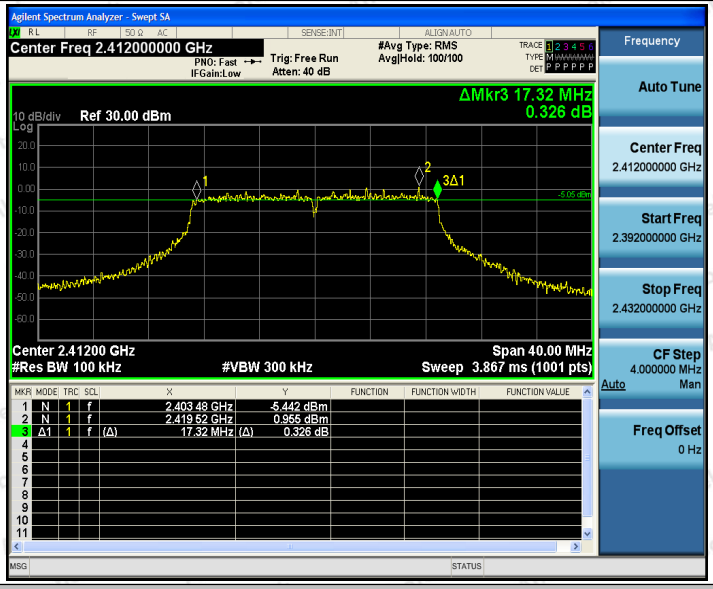

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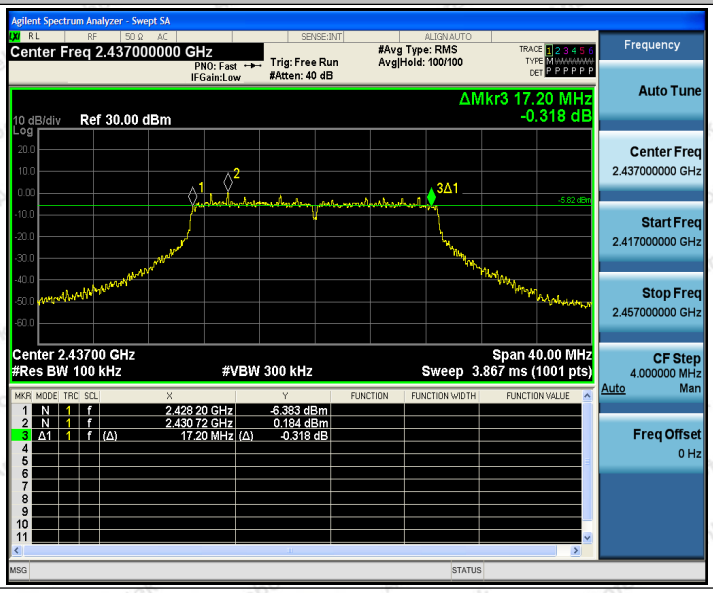

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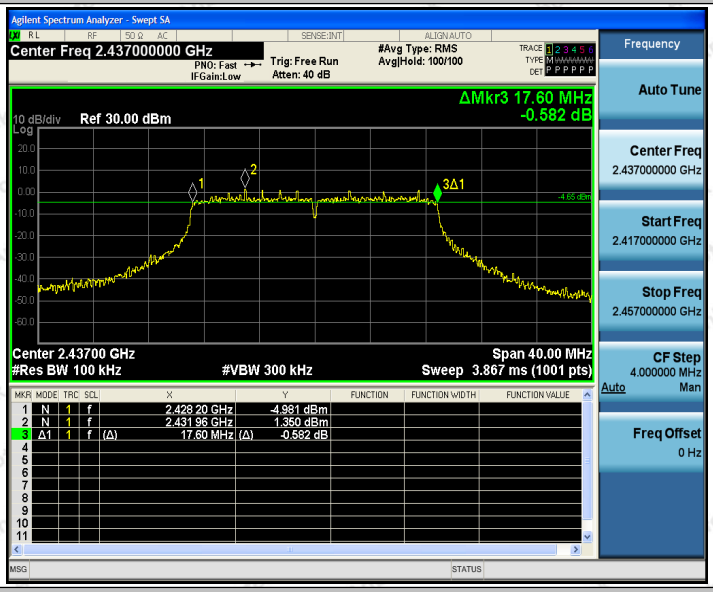

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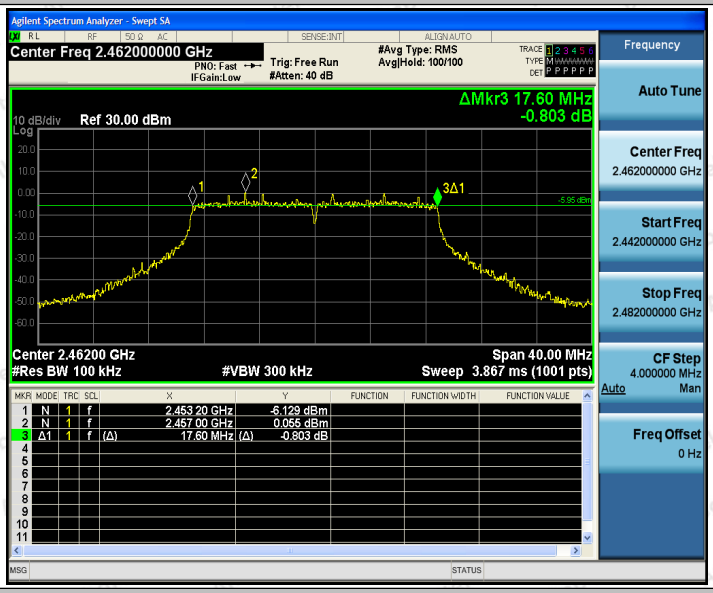

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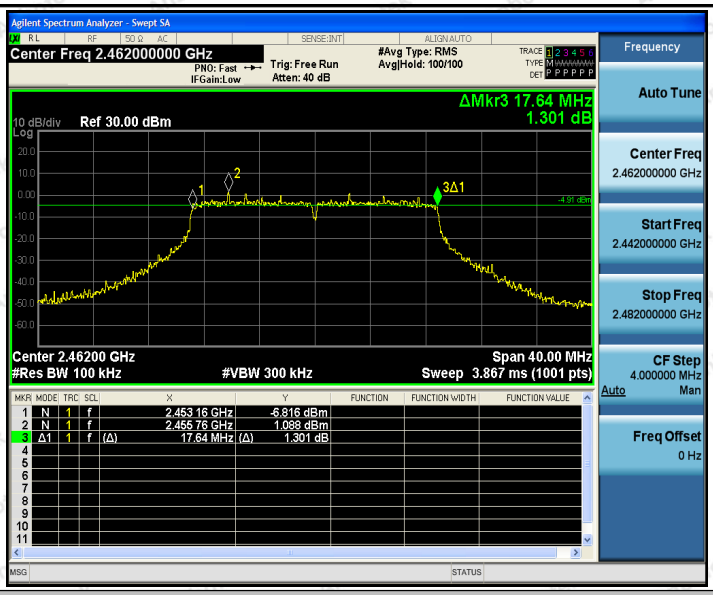

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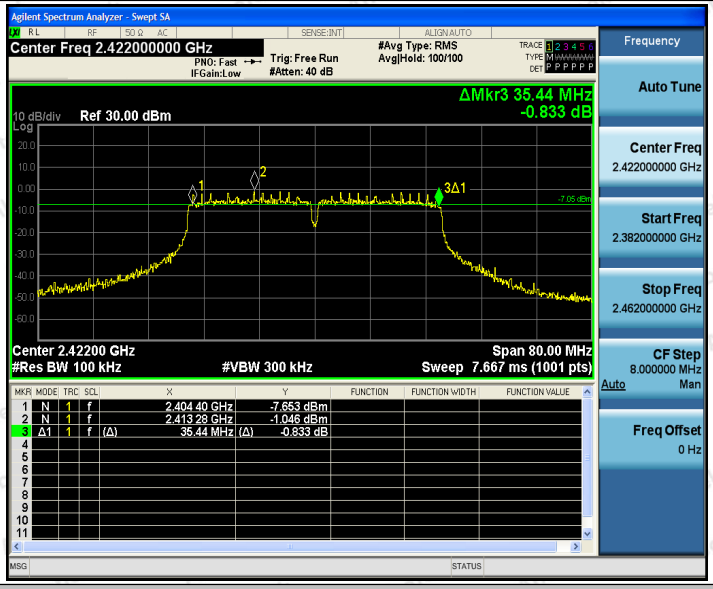

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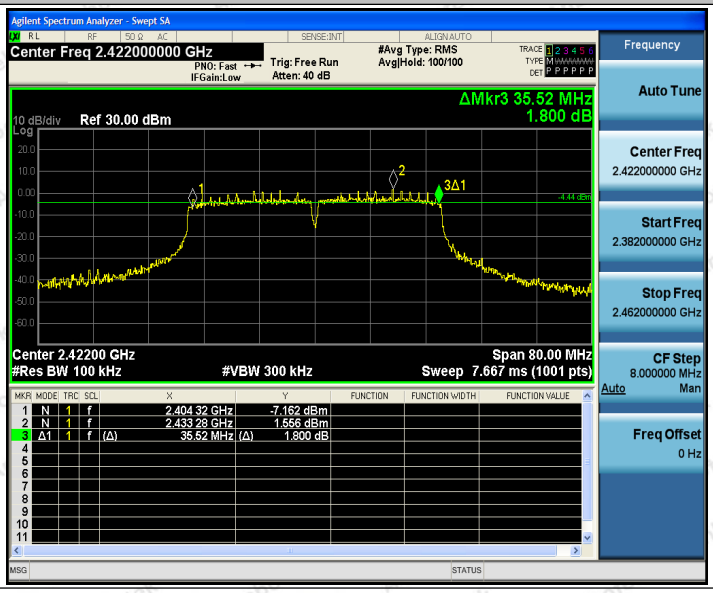

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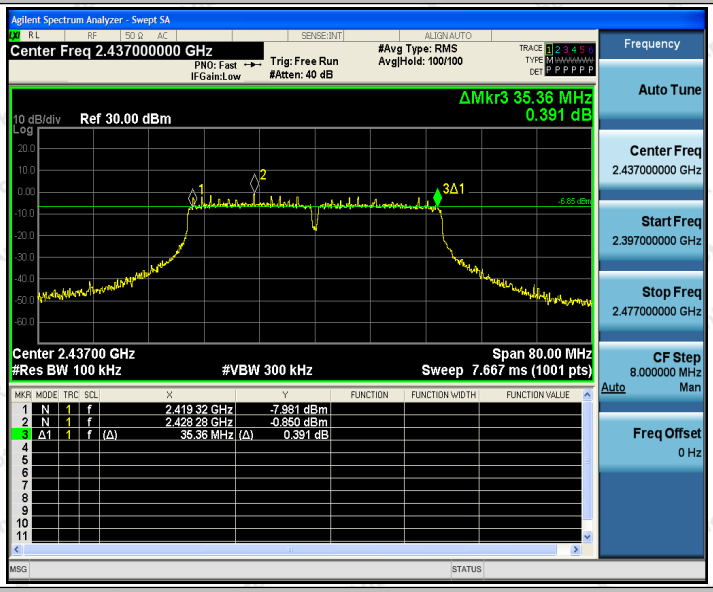

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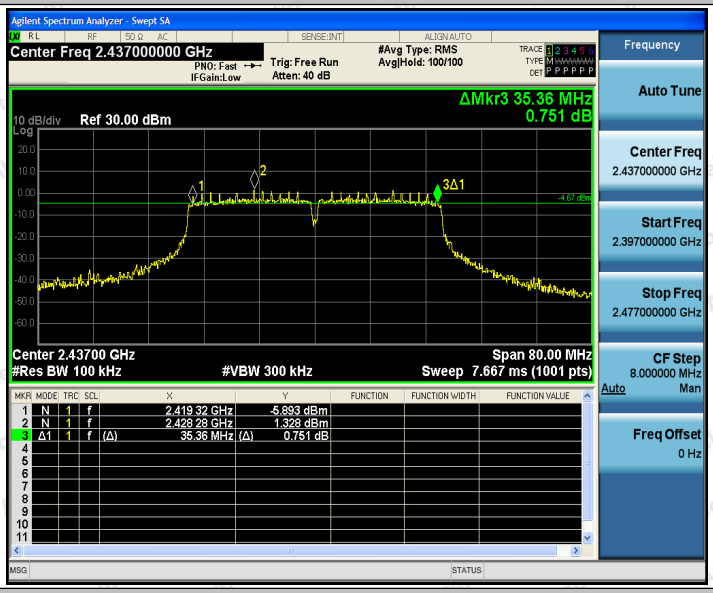

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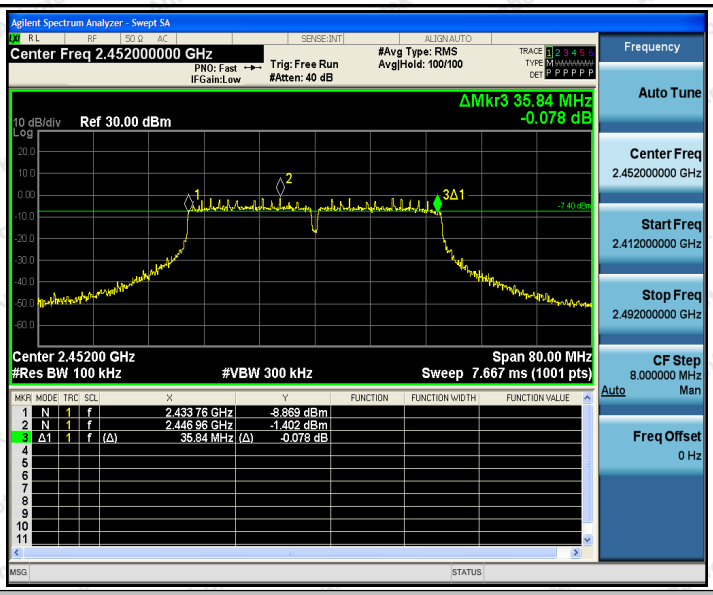

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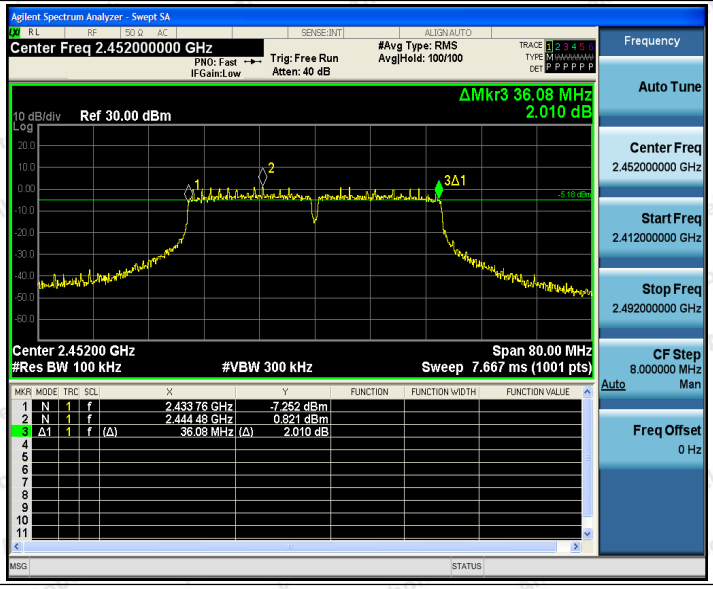


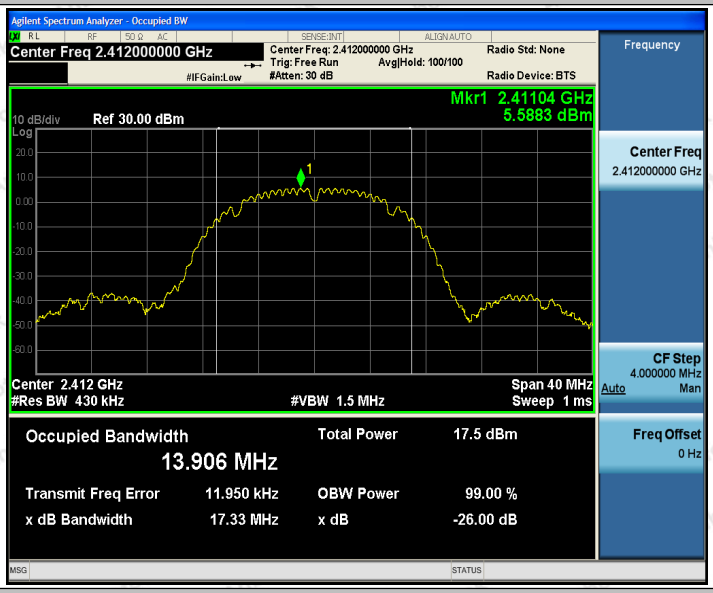
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.906	2405.059	2418.965	---	PASS
	Ant2	2412	14.066	2404.961	2419.027	---	PASS
	Ant1	2437	13.890	2430.043	2443.933	---	PASS
	Ant2	2437	13.911	2430.033	2443.944	---	PASS
	Ant1	2462	13.844	2455.072	2468.916	---	PASS
	Ant2	2462	13.842	2455.071	2468.913	---	PASS
11G	Ant1	2412	16.788	2403.611	2420.399	---	PASS
	Ant2	2412	16.796	2403.620	2420.416	---	PASS
	Ant1	2437	16.838	2428.574	2445.412	---	PASS
	Ant2	2437	16.829	2428.581	2445.410	---	PASS
	Ant1	2462	16.899	2453.531	2470.430	---	PASS
	Ant2	2462	16.843	2453.555	2470.398	---	PASS
11N20	Ant1	2412	17.948	2403.037	2420.985	---	PASS
	Ant2	2412	18.016	2403.037	2421.053	---	PASS
	Ant1	2437	18.007	2427.984	2445.991	---	PASS
	Ant2	2437	17.963	2428.025	2445.988	---	PASS
	Ant1	2462	17.994	2452.982	2470.976	---	PASS
	Ant2	2462	18.033	2452.959	2470.992	---	PASS
11n40	Ant1	2422	36.225	2403.876	2440.101	---	PASS
	Ant2	2422	36.217	2403.961	2440.178	---	PASS
	Ant1	2437	36.303	2418.835	2455.138	---	PASS
	Ant2	2437	36.269	2418.833	2455.102	---	PASS
	Ant1	2452	36.285	2433.840	2470.125	---	PASS
	Ant2	2452	36.267	2433.849	2470.116	---	PASS

Test Graphs

11B_Ant1_2412



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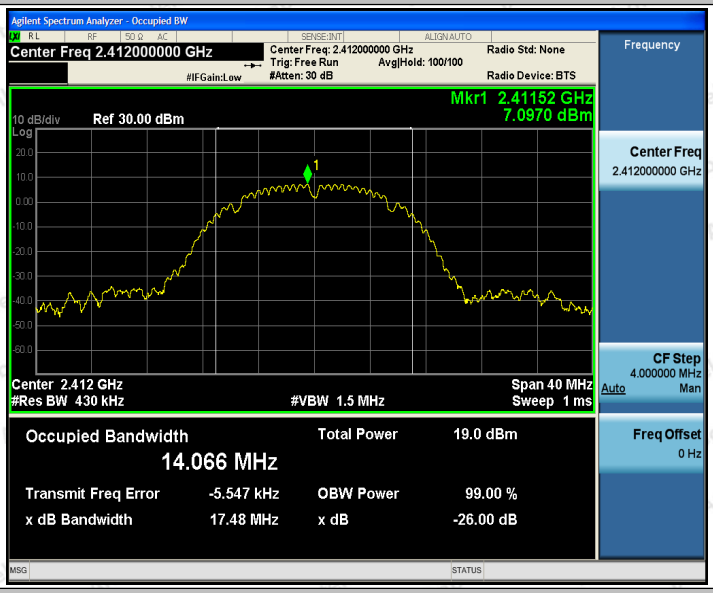
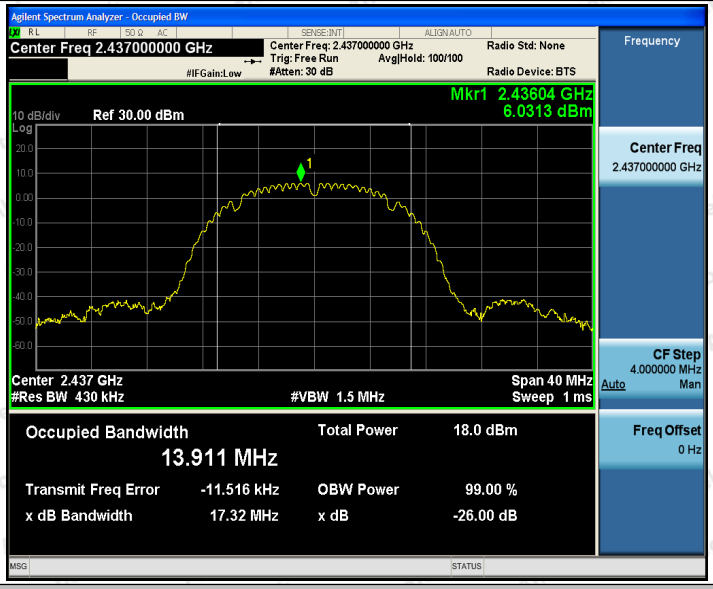


11B_Ant1_2437

11B_Ant2_2437



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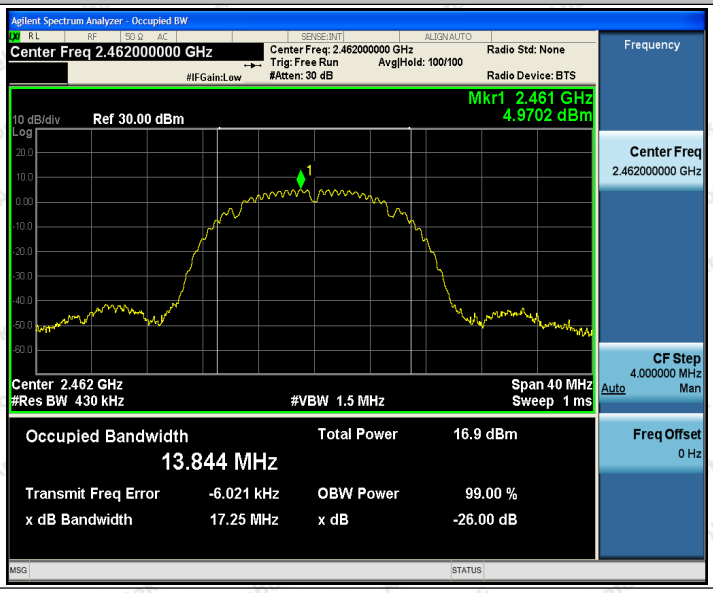

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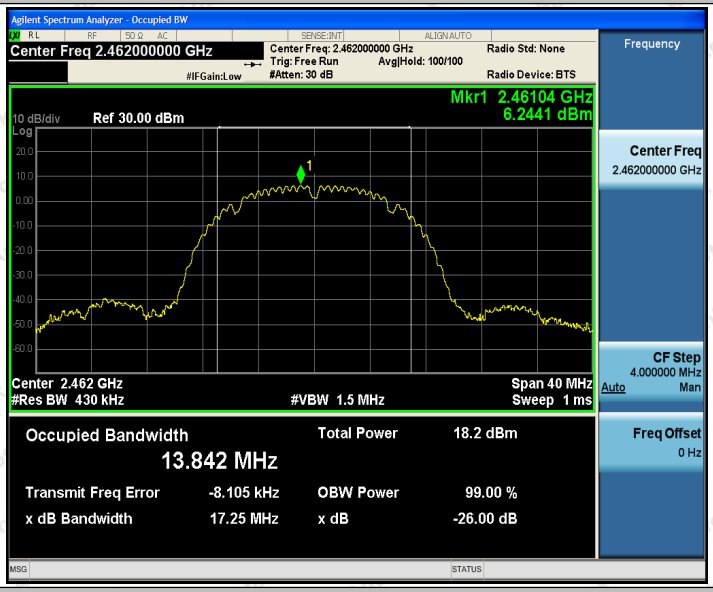

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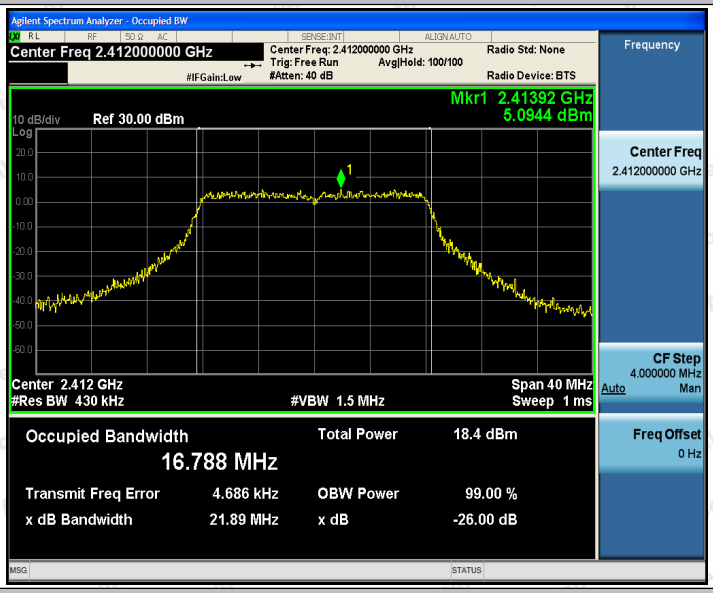
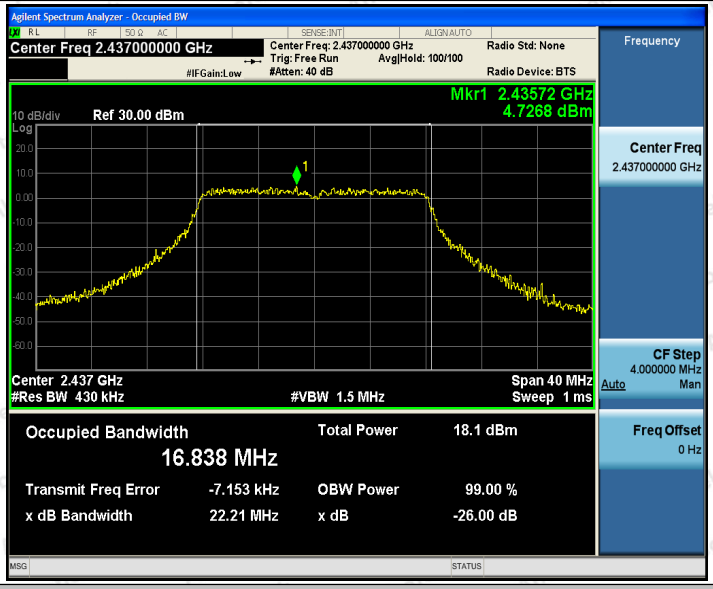


11G_Ant2_2412

11G_Ant1_2437



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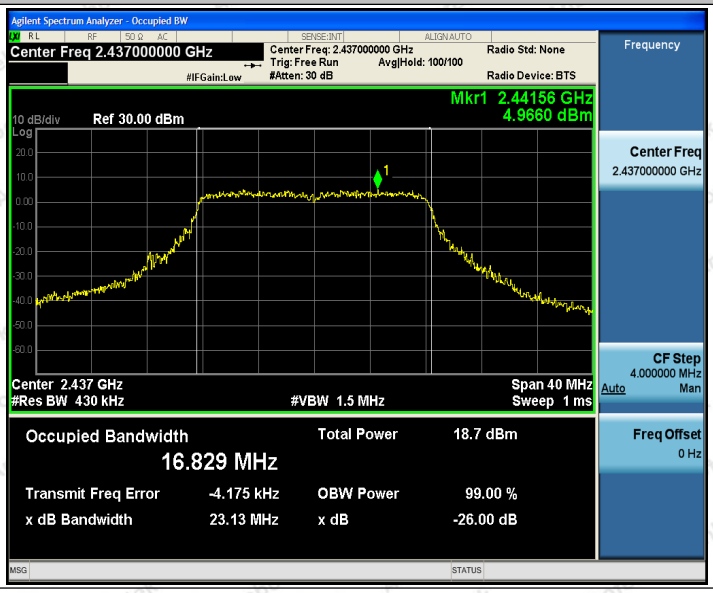

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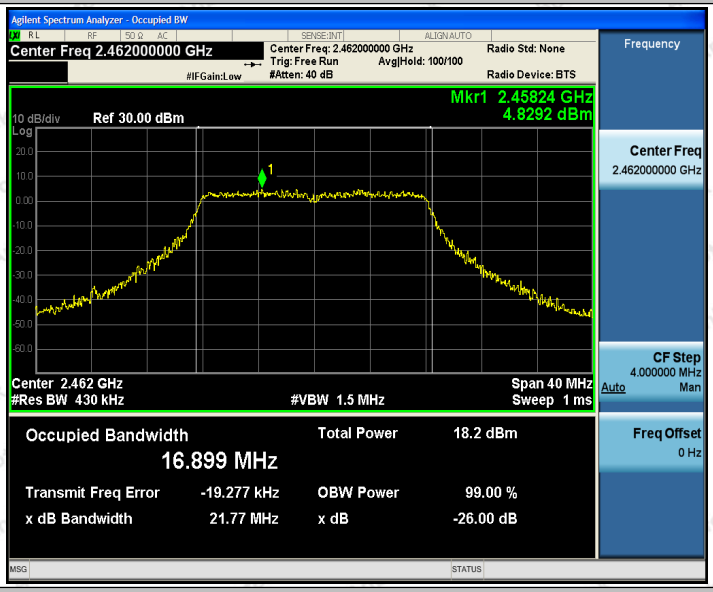

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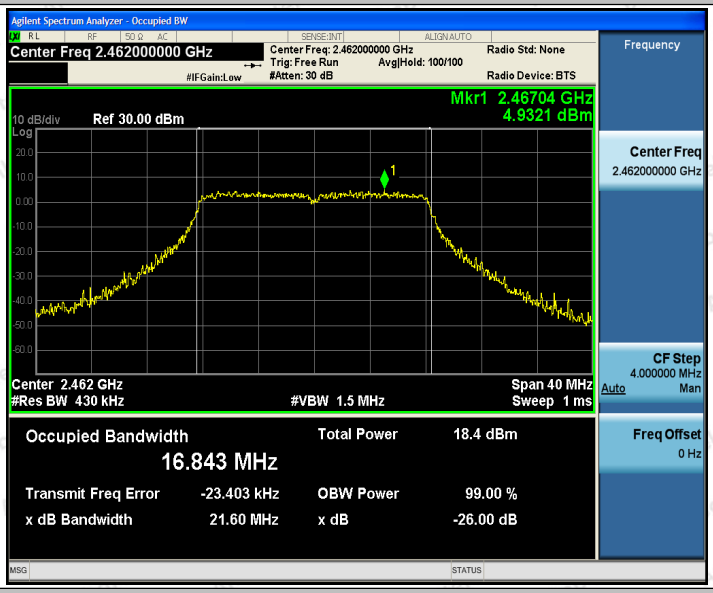

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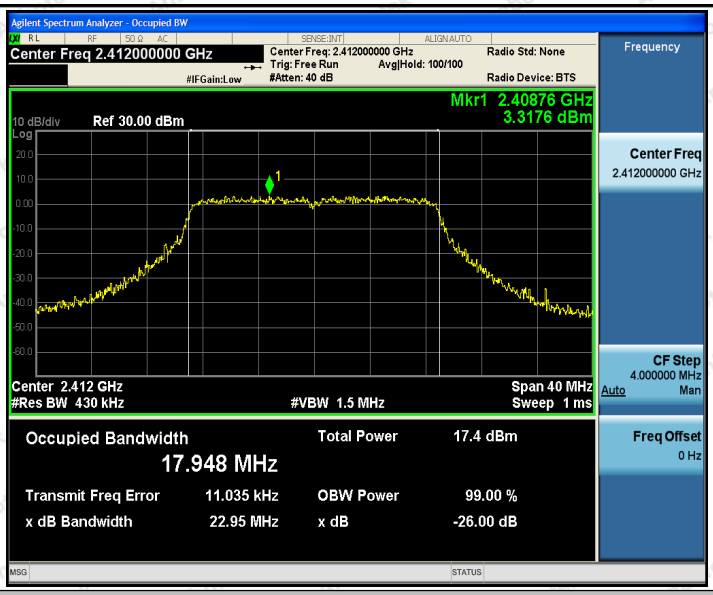

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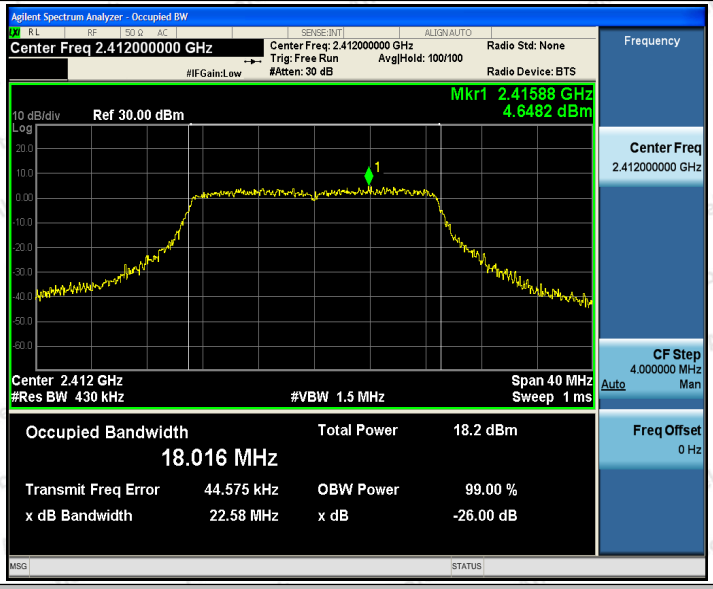

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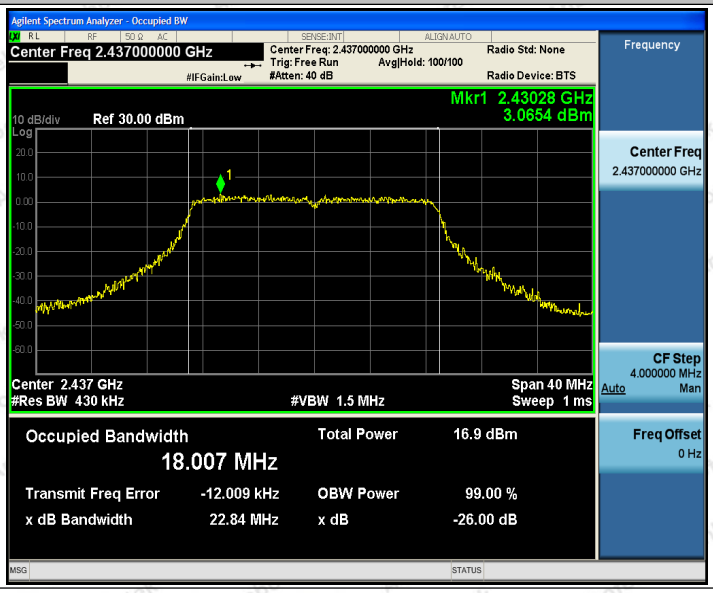

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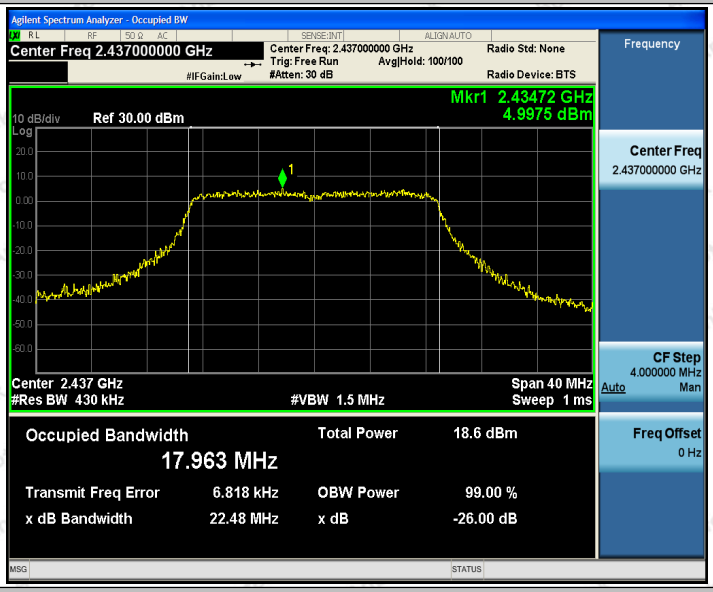

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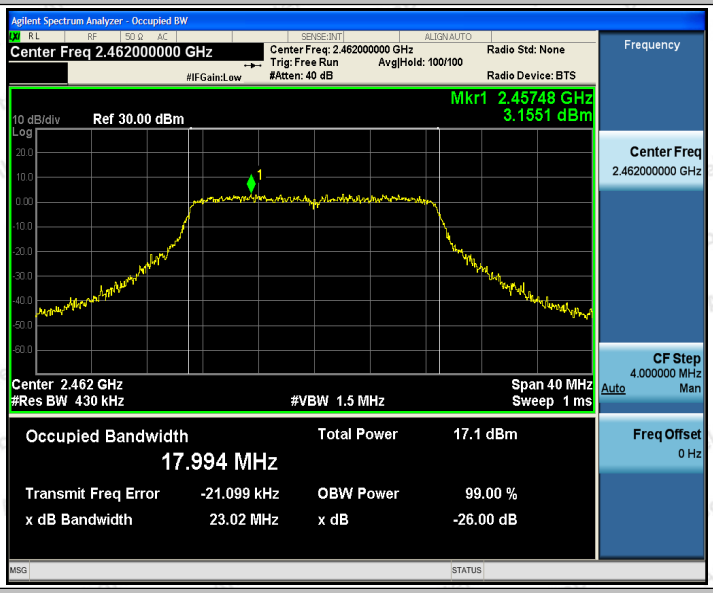
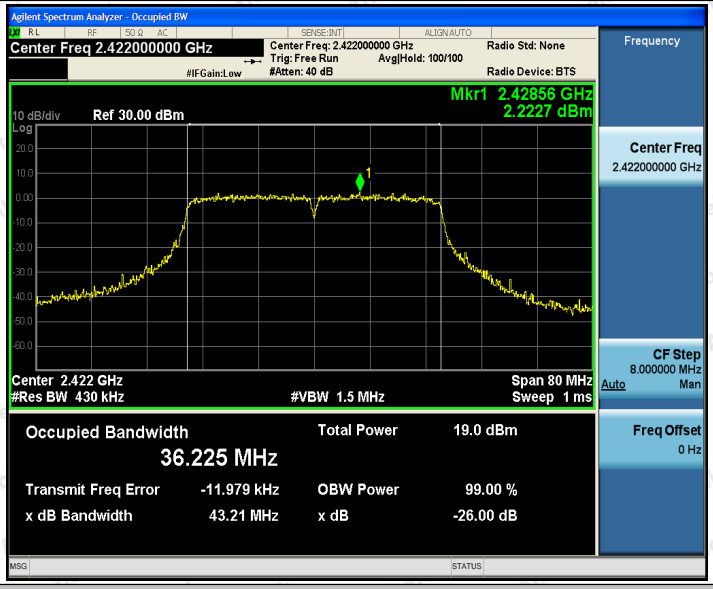


11N20_Ant2_2462

11n40_Ant1_2422



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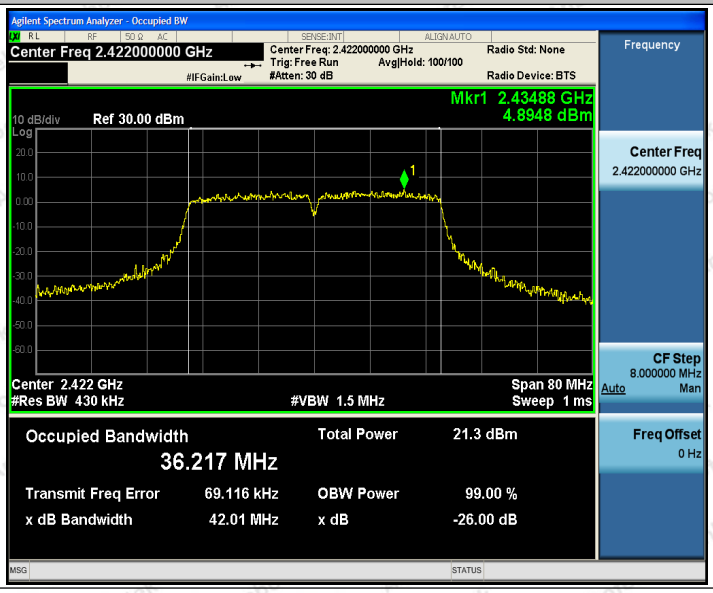

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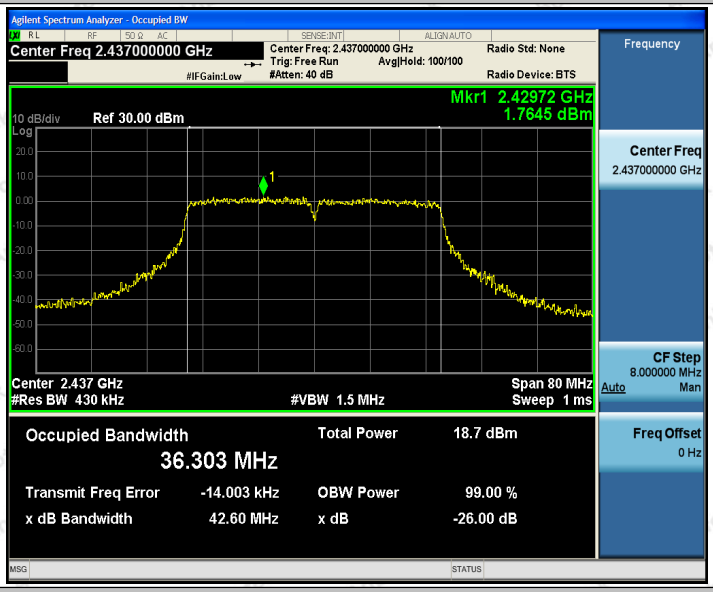

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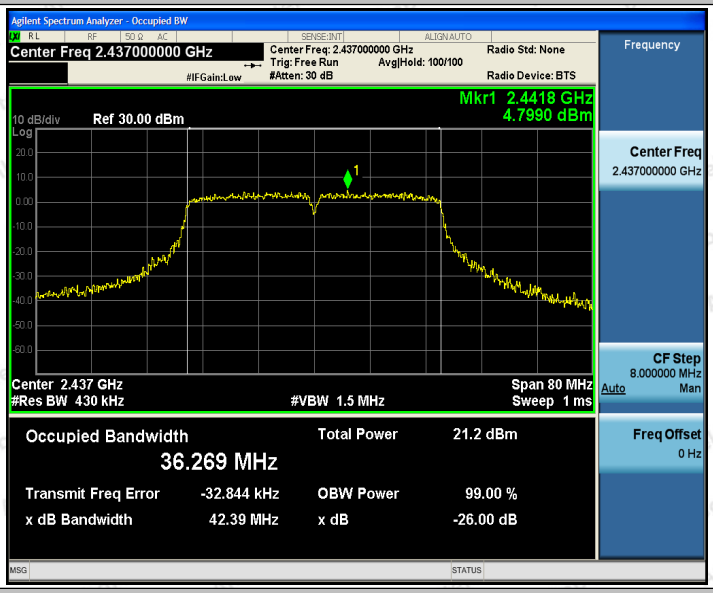
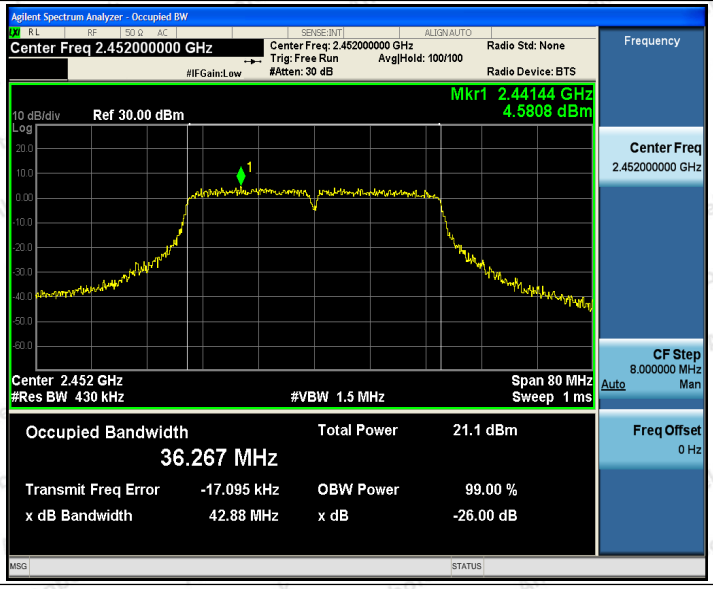


11n40_Ant1_2452

11n40_Ant2_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.54	≤30	PASS
	Ant2	2412	19.16	≤30	PASS
	Ant1	2437	16.91	≤30	PASS
	Ant2	2437	18.10	≤30	PASS
	Ant1	2462	16.95	≤30	PASS
	Ant2	2462	18.26	≤30	PASS
11G	Ant1	2412	19.19	≤30	PASS
	Ant2	2412	18.06	≤30	PASS
	Ant1	2437	19.12	≤30	PASS
	Ant2	2437	19.64	≤30	PASS
	Ant1	2462	19.21	≤30	PASS
	Ant2	2462	19.43	≤30	PASS
11N20	Ant1	2412	18.33	≤30	PASS
	Ant2	2412	19.16	≤30	PASS
	Ant1	2437	18.01	≤30	PASS
	Ant2	2437	19.68	≤30	PASS
	Ant1	2462	18.05	≤30	PASS
	Ant2	2462	19.35	≤30	PASS
11n40	Ant1	2422	17.51	≤30	PASS
	Ant2	2422	19.68	≤30	PASS
	Ant1	2437	17.25	≤30	PASS
	Ant2	2437	19.81	≤30	PASS
	Ant1	2452	17.26	≤30	PASS
	Ant2	2452	19.71	≤30	PASS

MIMO

TestMode	Channel	Result[dBm]	Limit[dBm]	Verdict
11N20	2412	21.775	≤30	PASS
	2437	21.935	≤30	PASS
	2462	21.759	≤30	PASS
11n40	2422	21.739	≤30	PASS
	2437	21.726	≤30	PASS
	2452	21.666	≤30	PASS

Appendix D: Maximum power spectral density

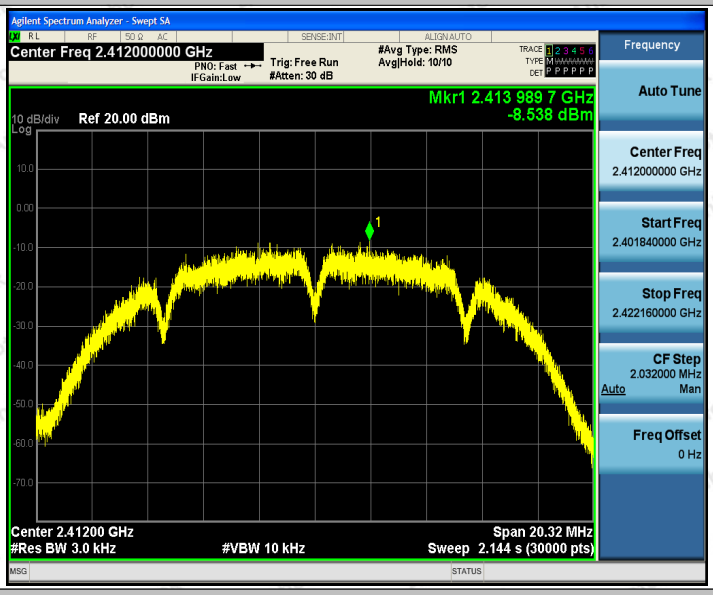
Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.54	≤8	PASS
	Ant2	2412	-6.85	≤8	PASS
	Ant1	2437	-9.16	≤8	PASS
	Ant2	2437	-7.91	≤8	PASS
	Ant1	2462	-8.88	≤8	PASS
	Ant2	2462	-7.2	≤8	PASS
11G	Ant1	2412	-12.65	≤8	PASS
	Ant2	2412	-12.85	≤8	PASS
	Ant1	2437	-13.04	≤8	PASS
	Ant2	2437	-11.11	≤8	PASS
	Ant1	2462	-12.01	≤8	PASS
	Ant2	2462	-12.17	≤8	PASS
11N20	Ant1	2412	-14.02	≤8	PASS
	Ant2	2412	-12.89	≤8	PASS
	Ant1	2437	-14.02	≤8	PASS
	Ant2	2437	-12.4	≤8	PASS
	Ant1	2462	-14.69	≤8	PASS
	Ant2	2462	-12.63	≤8	PASS
11n40	Ant1	2422	-14.99	≤8	PASS
	Ant2	2422	-12.7	≤8	PASS
	Ant1	2437	-14.74	≤8	PASS
	Ant2	2437	-11.75	≤8	PASS
	Ant1	2452	-16.24	≤8	PASS
	Ant2	2452	-12.93	≤8	PASS

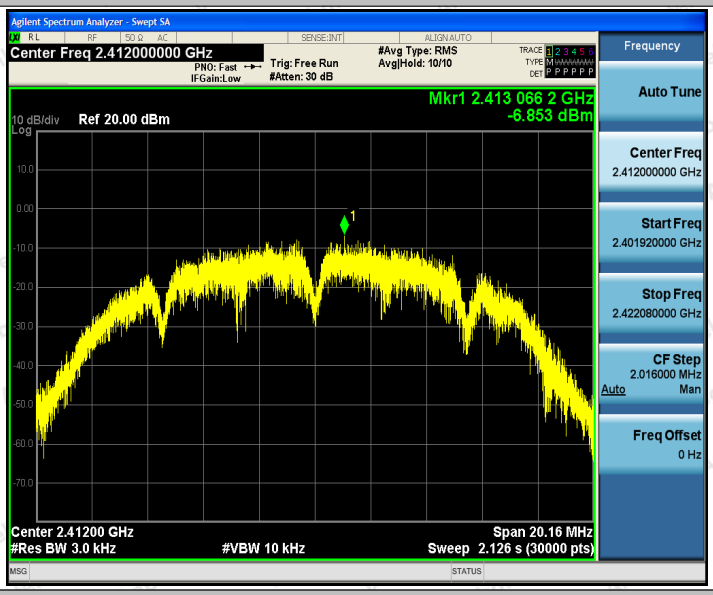
TestMode	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11N20	2412	-10.408	≤8	PASS
	2437	-10.125	≤8	PASS
	2462	-10.529	≤8	PASS
11n40	2422	-10.685	≤8	PASS
	2437	-9.982	≤8	PASS
	2452	-11.267	≤8	PASS

Test Graphs

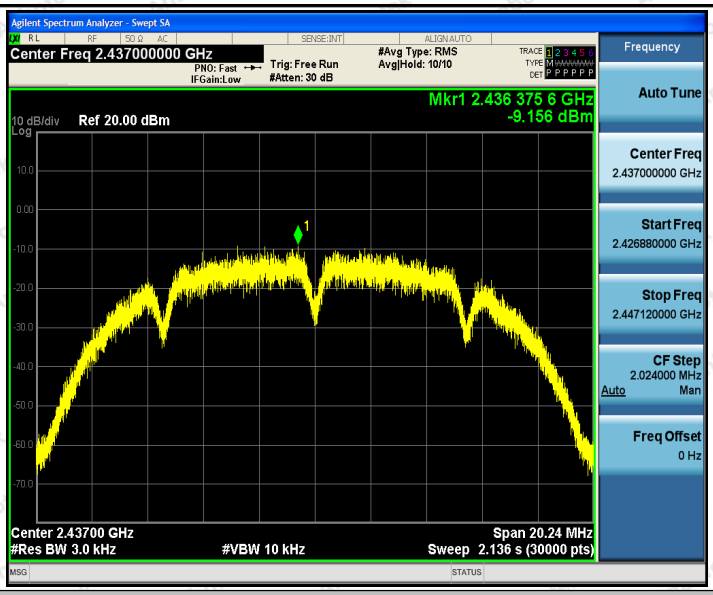
11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



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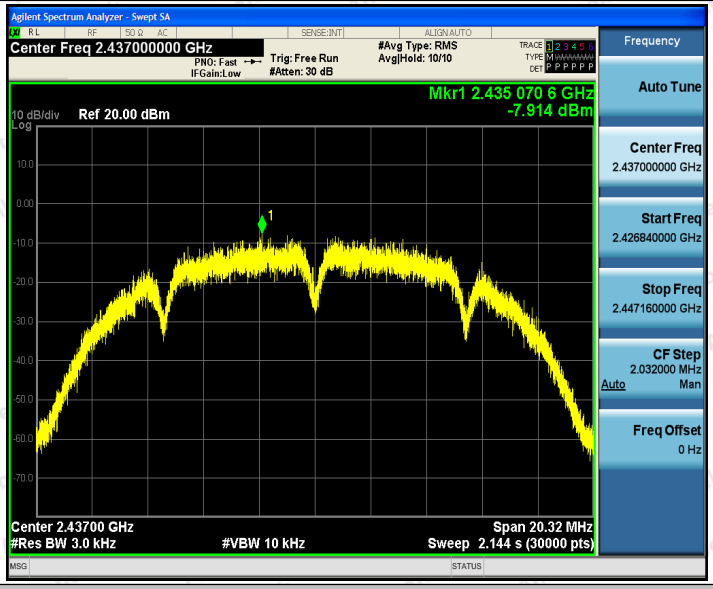
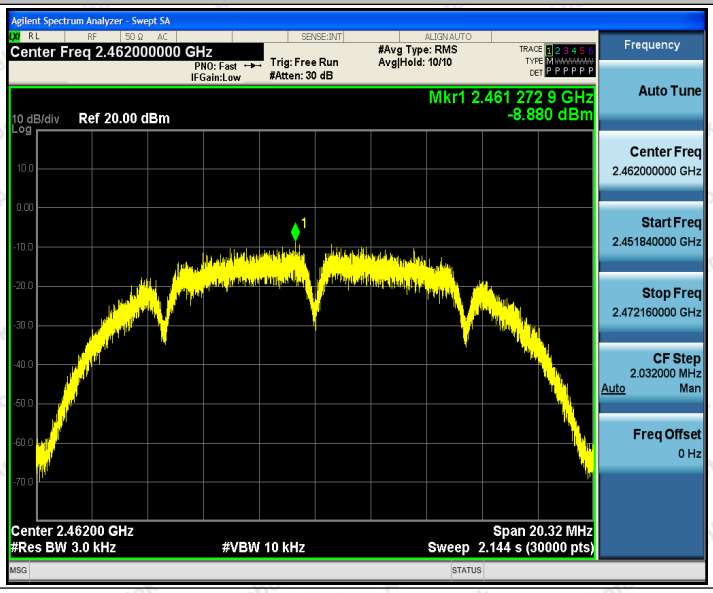


11B_Ant1_2462



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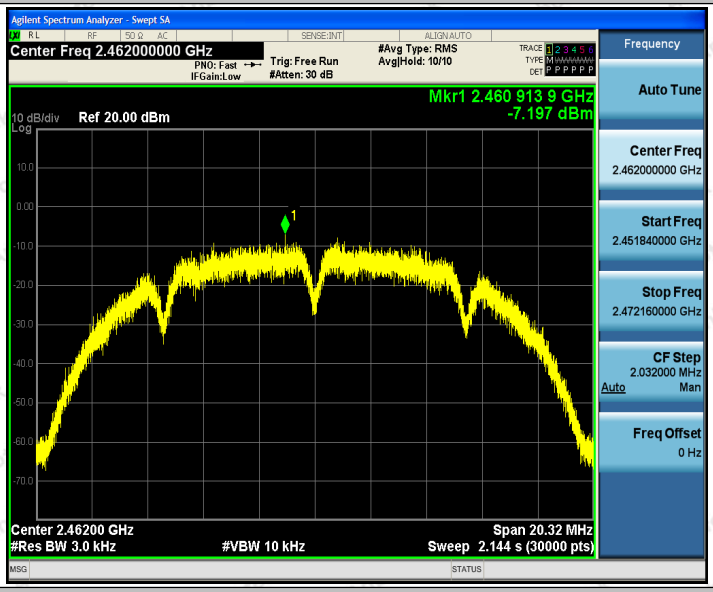

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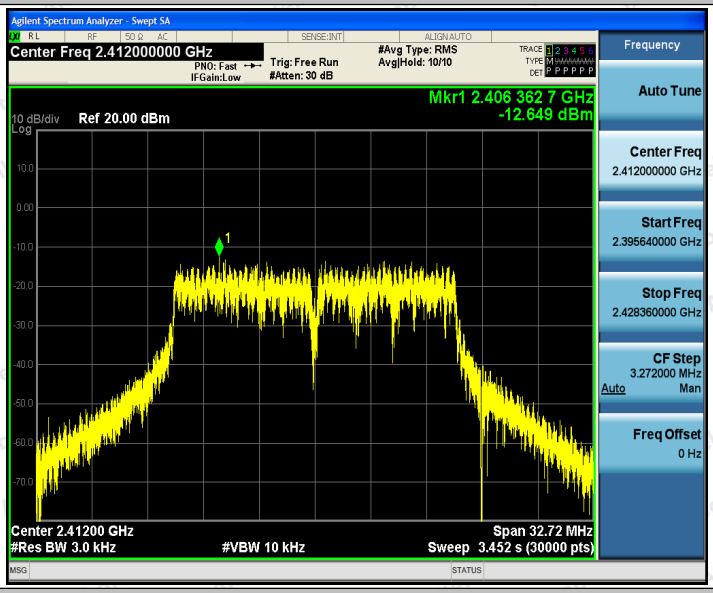

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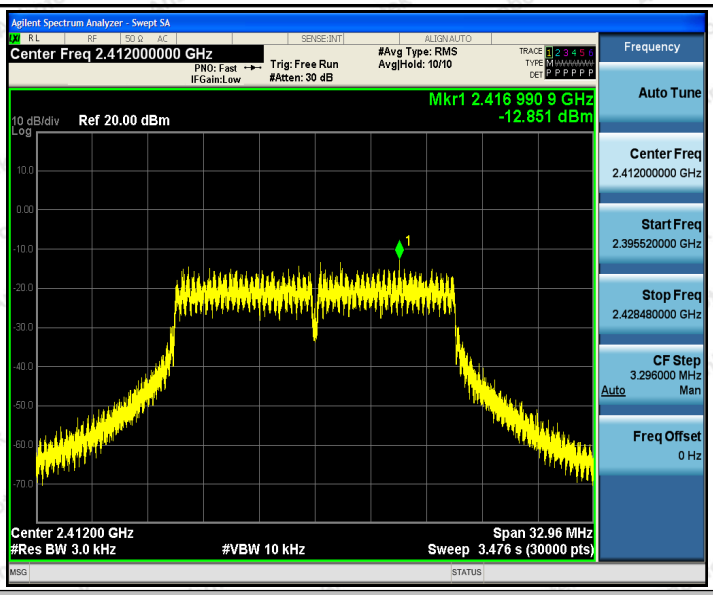

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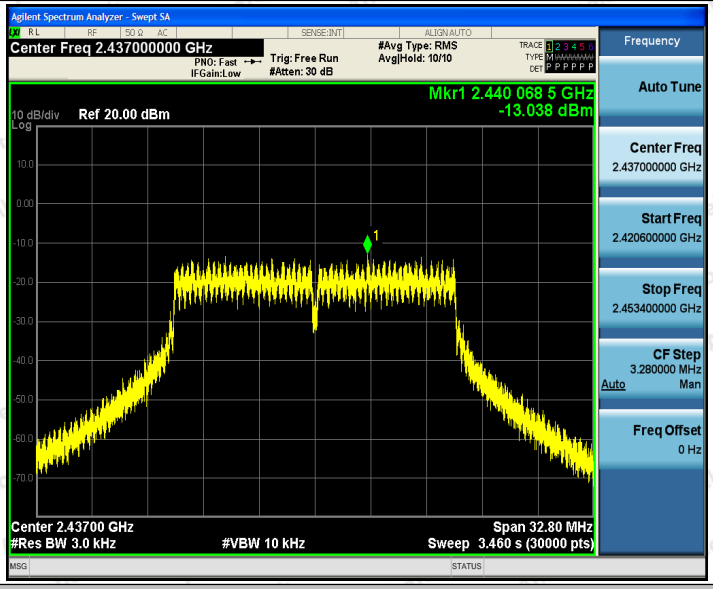

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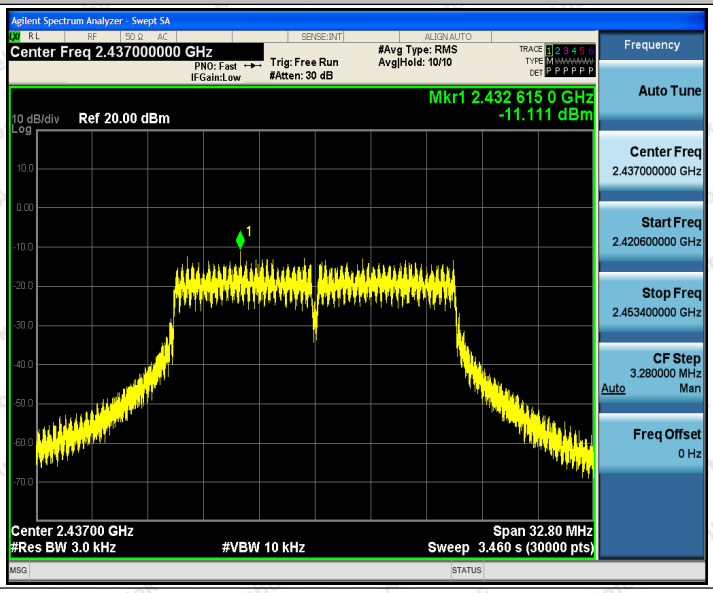

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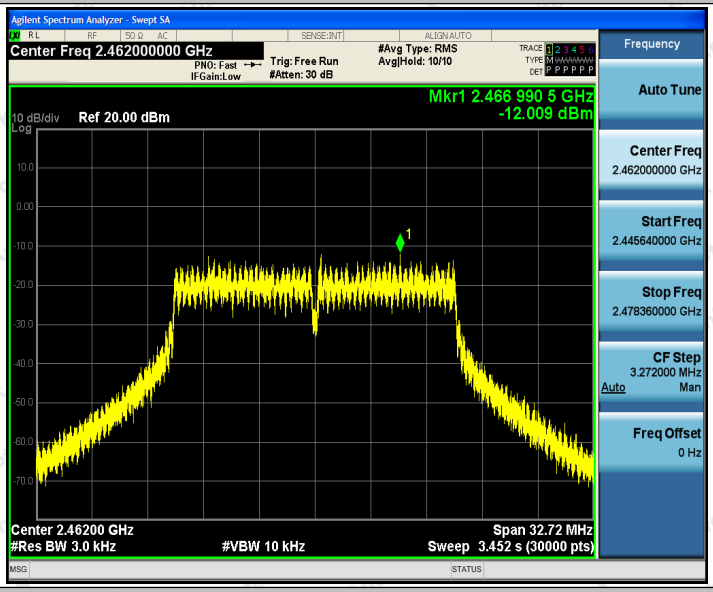

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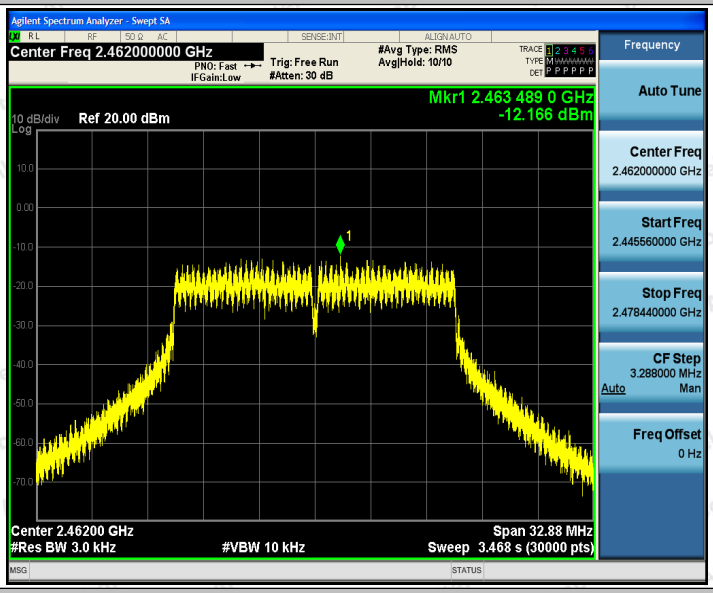
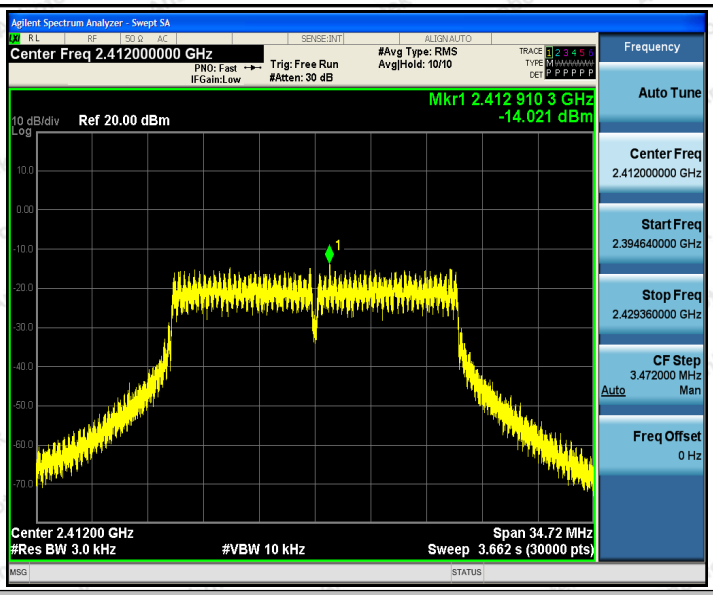


11N20_Ant1_2412



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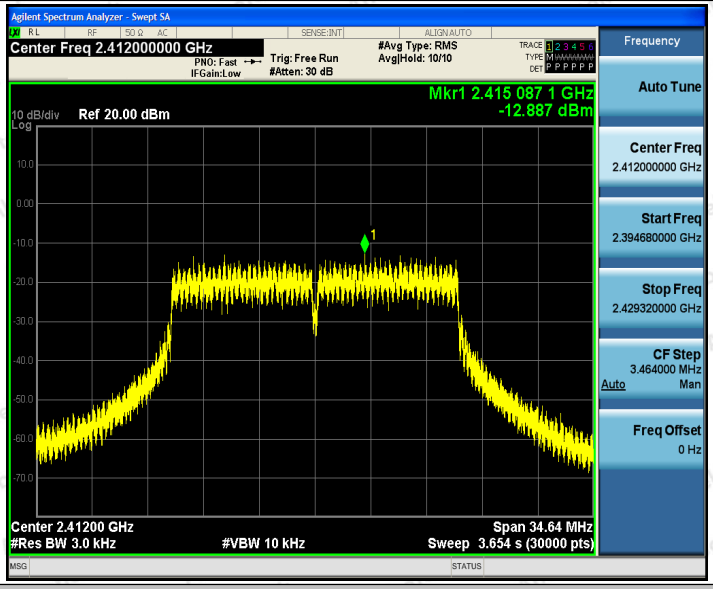

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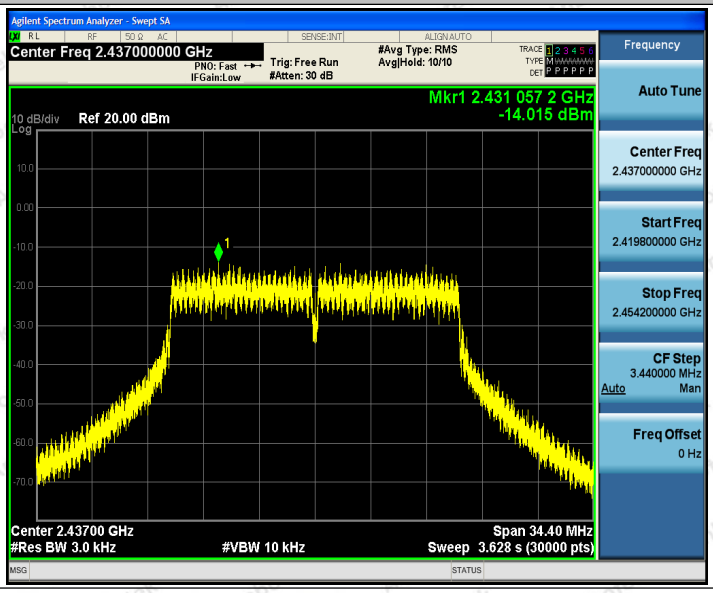

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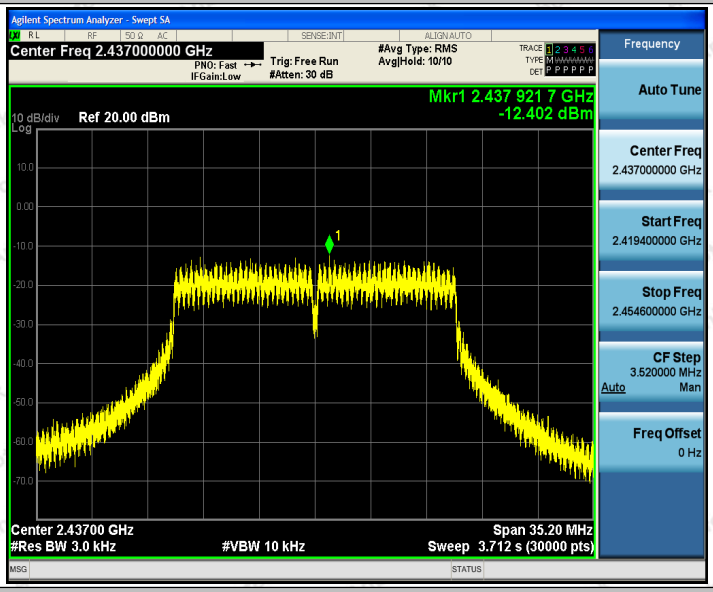

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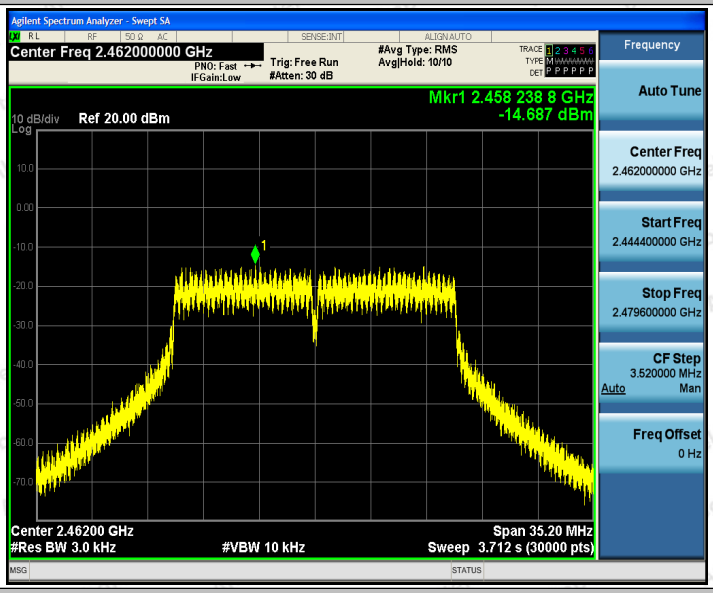

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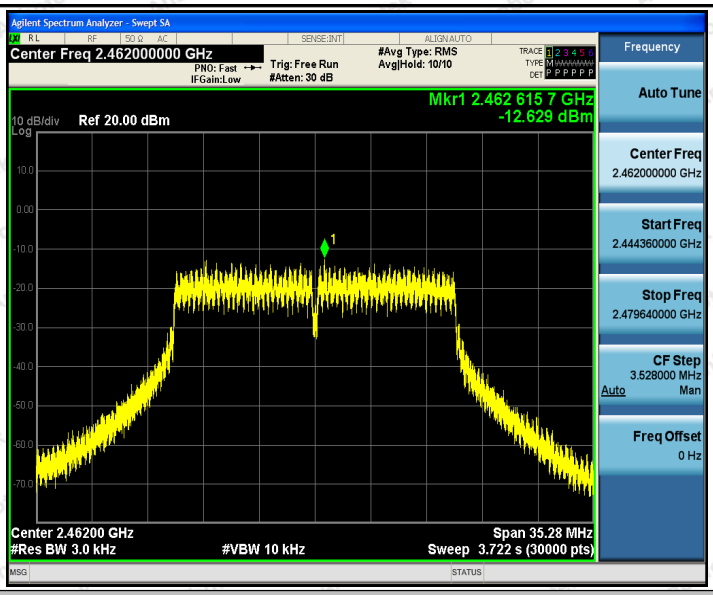
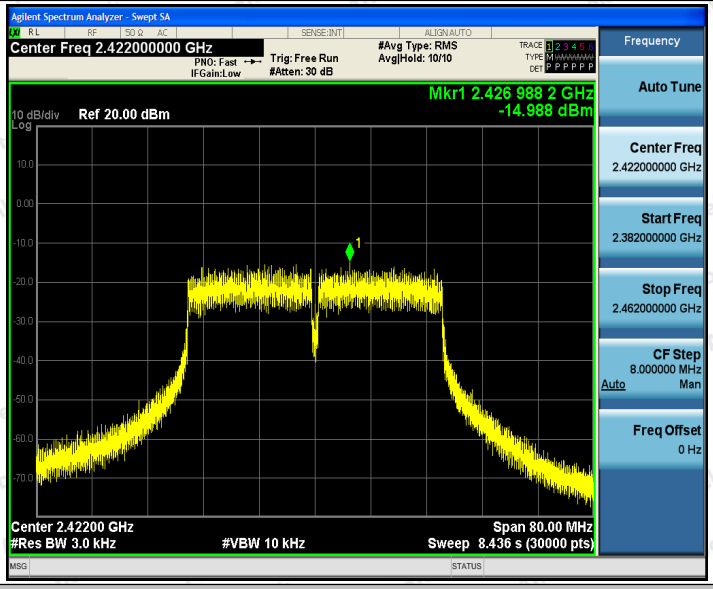
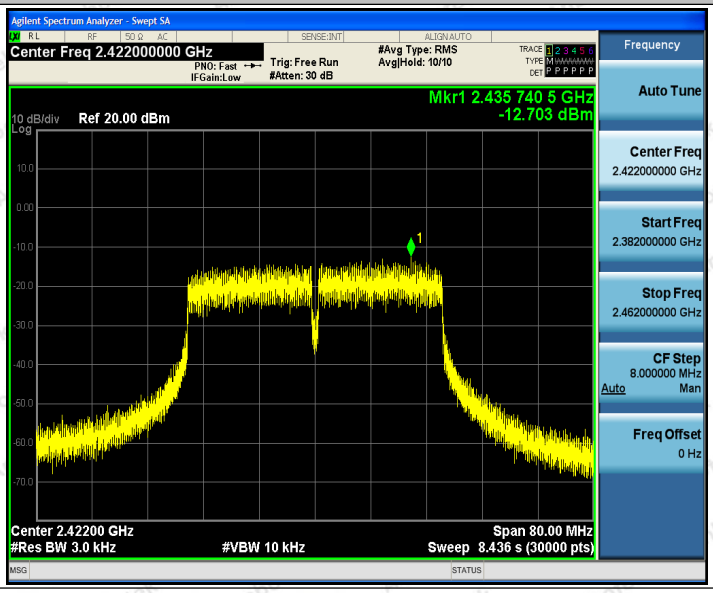


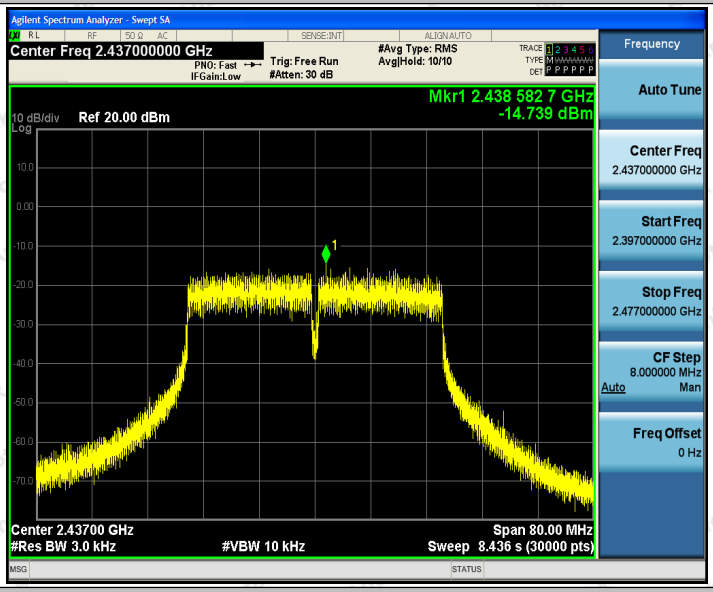
11n40_Ant1_2422



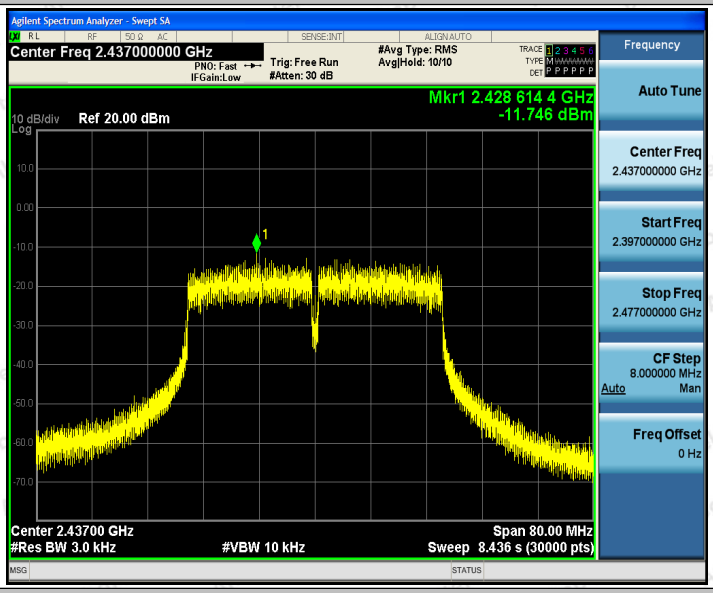
11n40_Ant2_2422



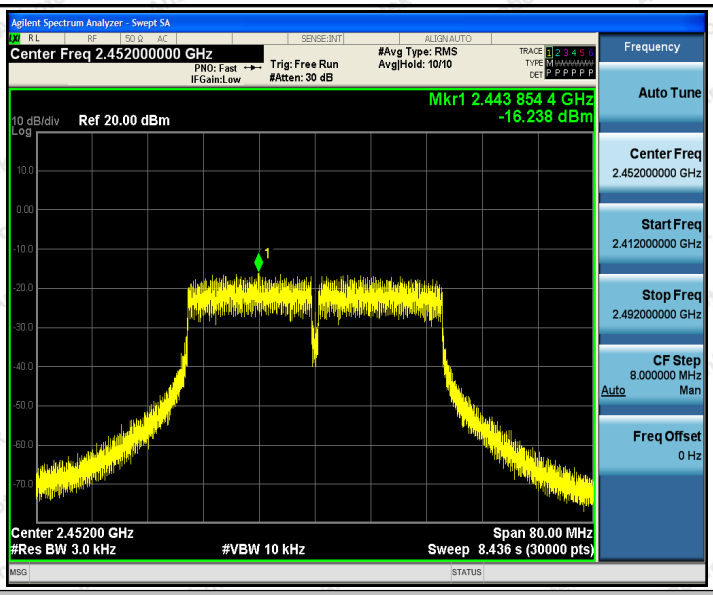
11n40_Ant1_2437



11n40_Ant2_2437



11n40_Ant1_2452



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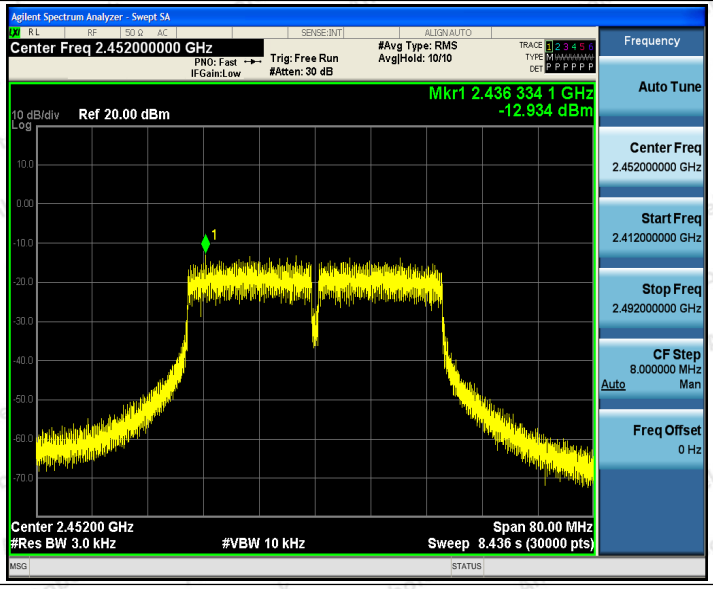


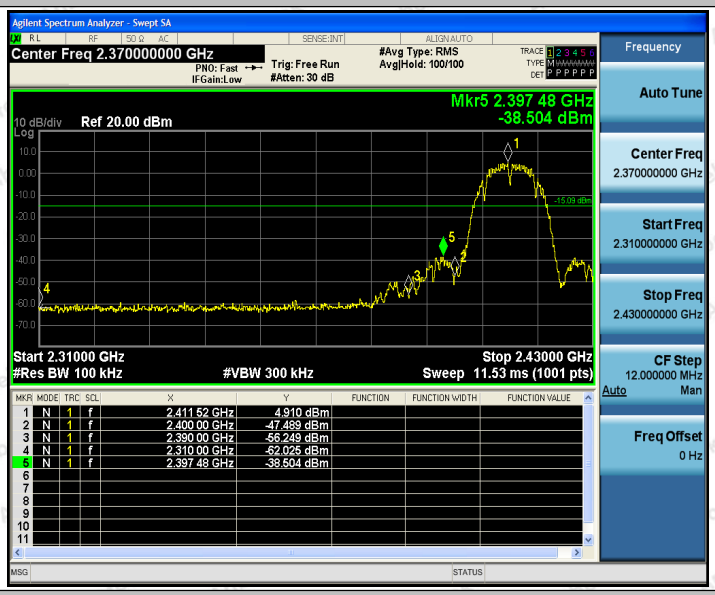
Appendix E: Band edge measurements

Test Result

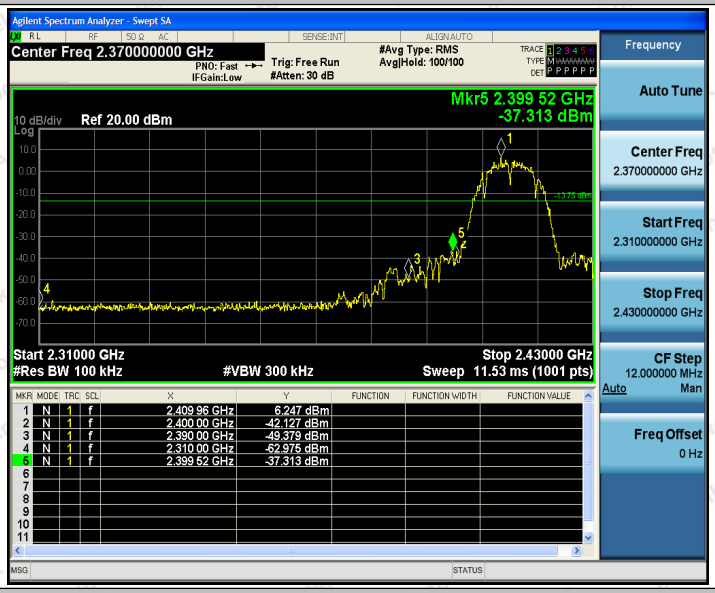
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.91	-38.5	≤-15.09	PASS
	Ant2	Low	2412	6.25	-37.31	≤-13.75	PASS
	Ant1	High	2462	4.42	-56.24	≤-15.58	PASS
	Ant2	High	2462	5.63	-56.53	≤-14.37	PASS
11G	Ant1	Low	2412	1.44	-32.92	≤-18.57	PASS
	Ant2	Low	2412	-0.34	-34.6	≤-20.34	PASS
	Ant1	High	2462	0.83	-55.98	≤-19.17	PASS
	Ant2	High	2462	0.59	-54.94	≤-19.41	PASS
11N20	Ant1	Low	2412	0.19	-34.05	≤-19.81	PASS
	Ant2	Low	2412	0.92	-33.01	≤-19.08	PASS
	Ant1	High	2462	0.20	-55.98	≤-19.8	PASS
	Ant2	High	2462	1.05	-53.05	≤-18.95	PASS
11n40	Ant1	Low	2422	-0.87	-32.1	≤-20.87	PASS
	Ant2	Low	2422	1.24	-30.47	≤-18.76	PASS
	Ant1	High	2452	-1.69	-42.67	≤-21.69	PASS
	Ant2	High	2452	0.98	-39	≤-19.02	PASS

Test Graphs

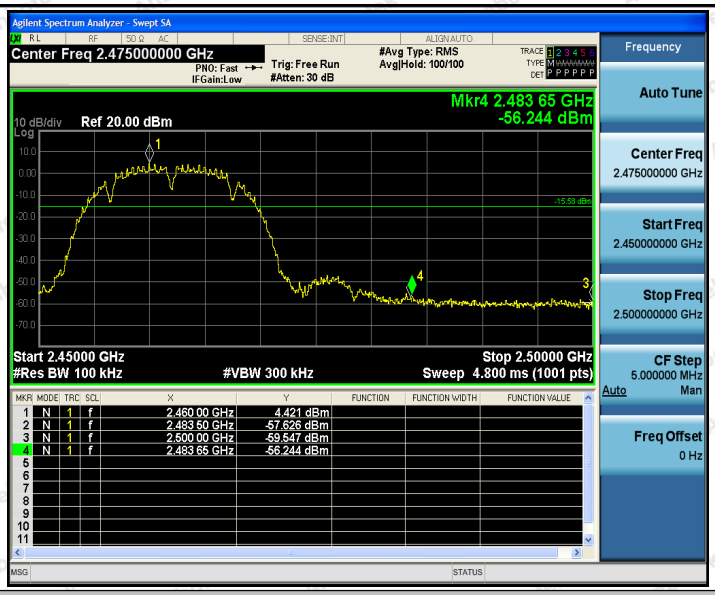
11B_Ant1_Low_2412



11B_Ant2_Low_2412



11B_Ant1_High_2462



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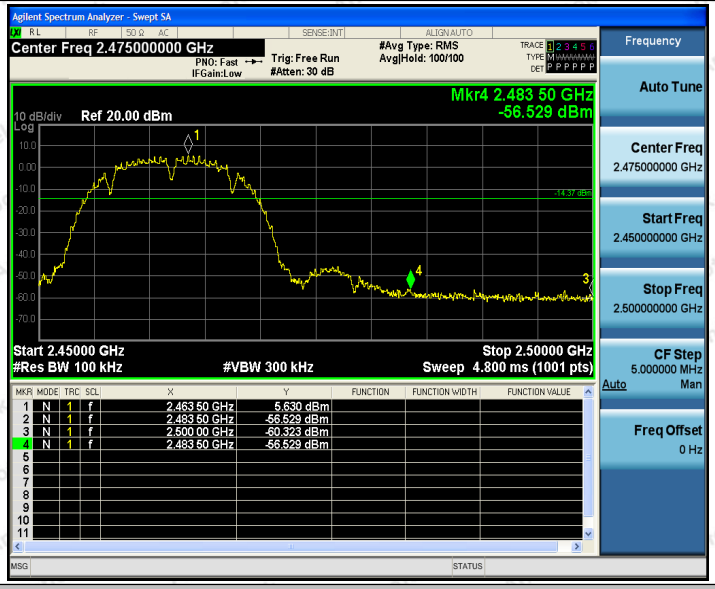
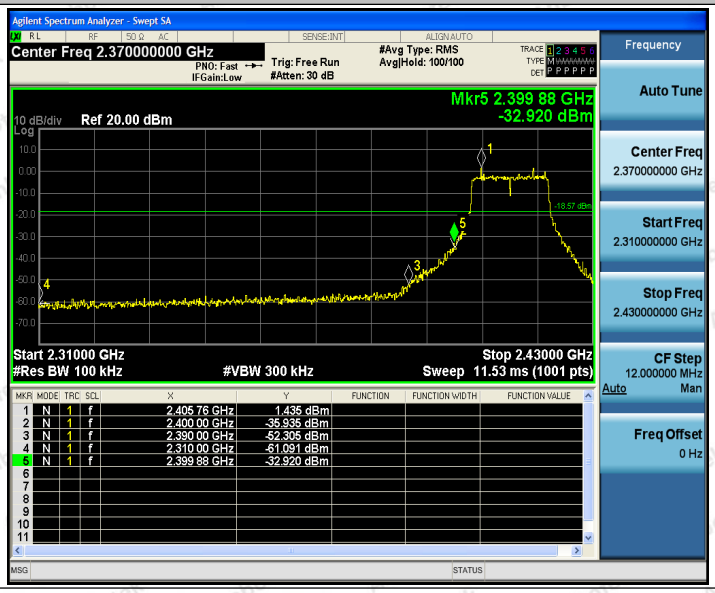
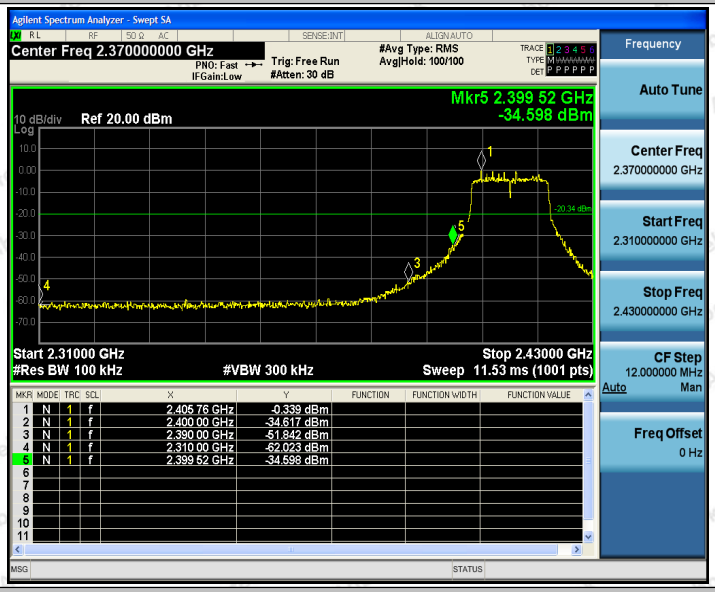


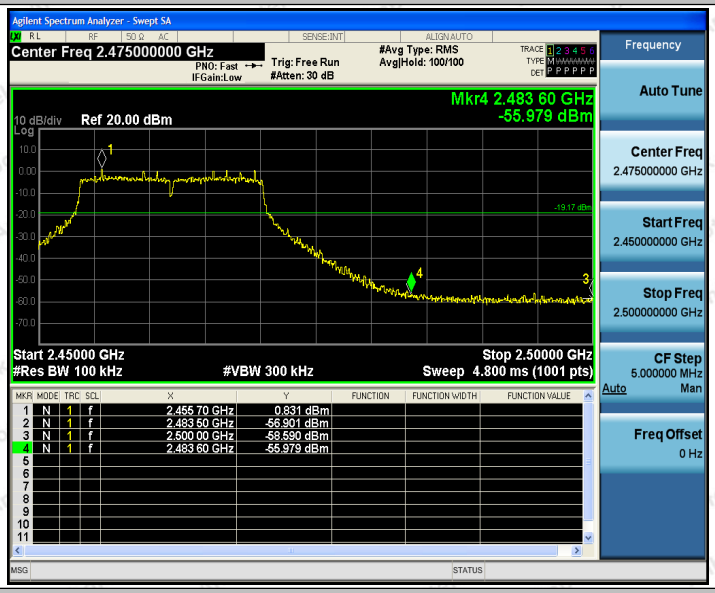
11G_Ant1_Low_2412



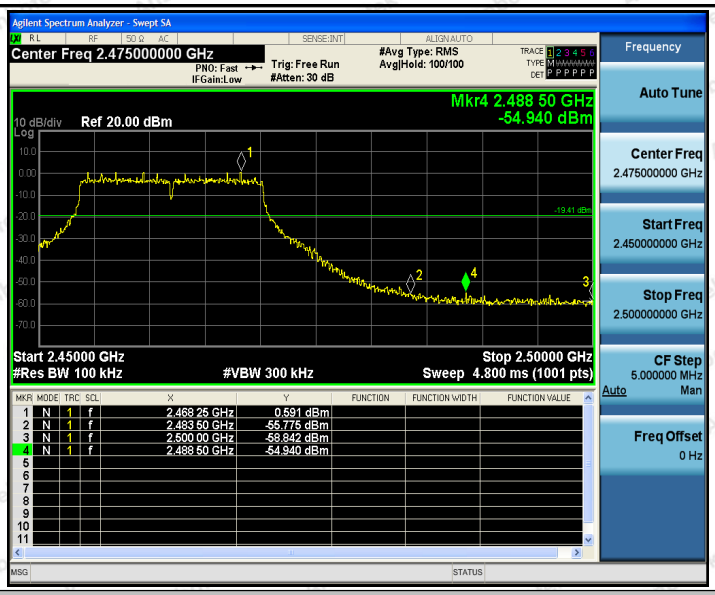
11G_Ant2_Low_2412



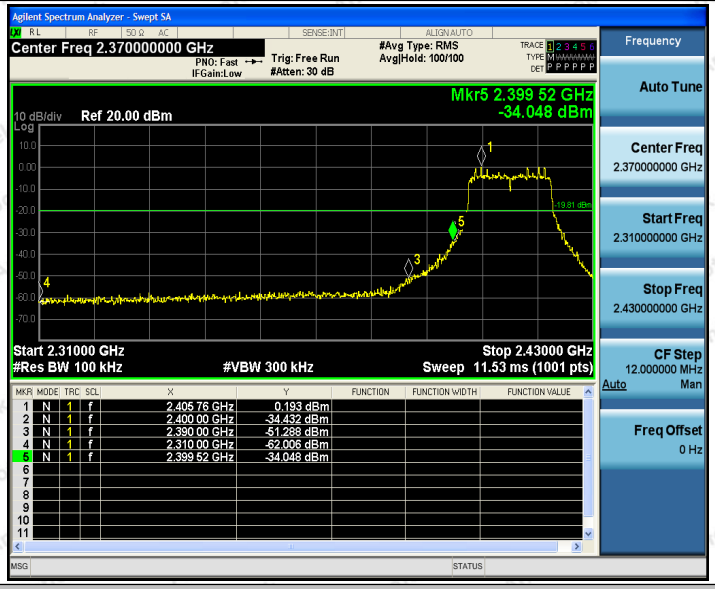
11G_Ant1_High_2462



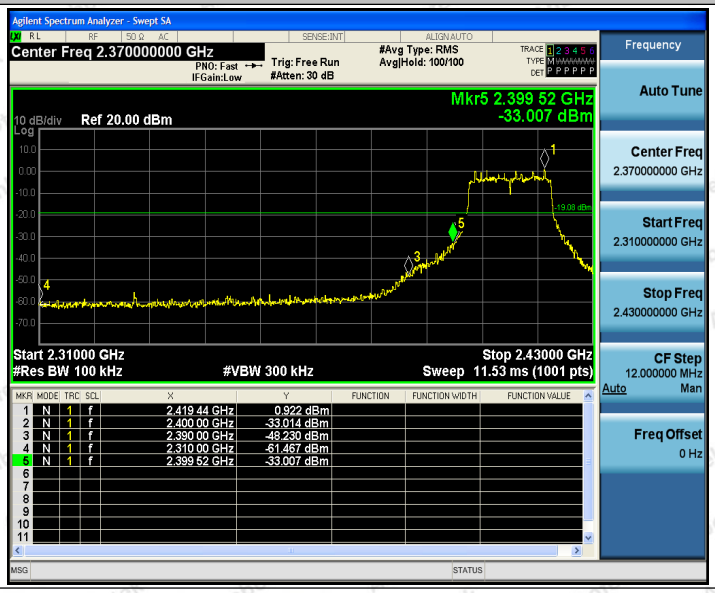
11G_Ant2_High_2462



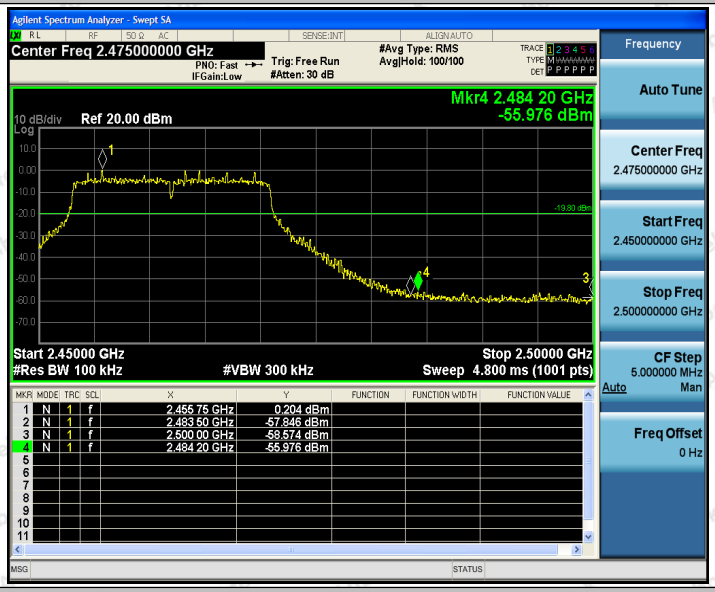
11N20_Ant1_Low_2412



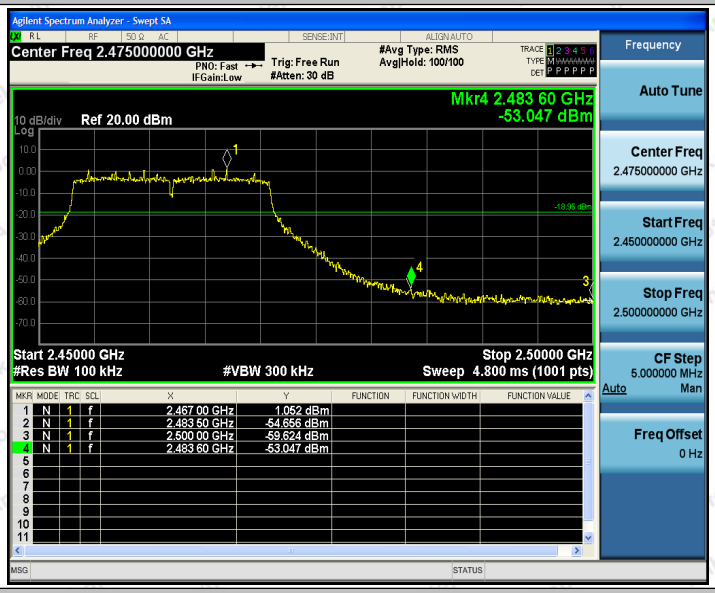
11N20_Ant2_Low_2412



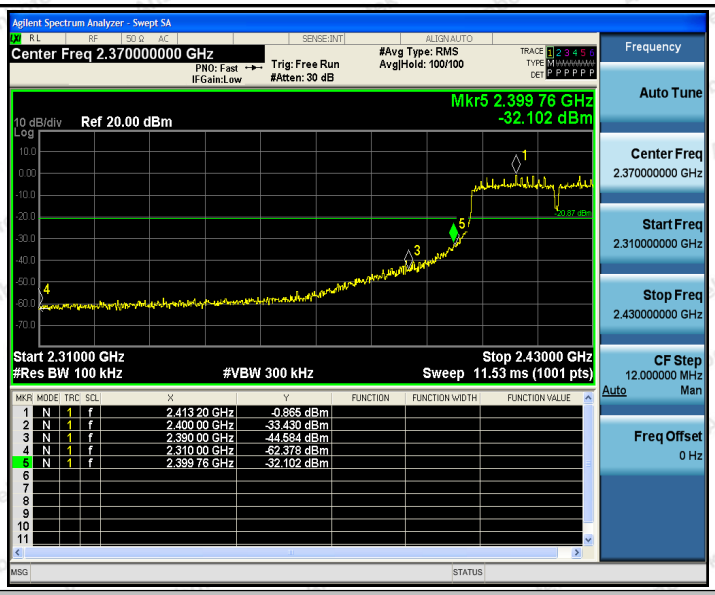
11N20_Ant1_High_2462



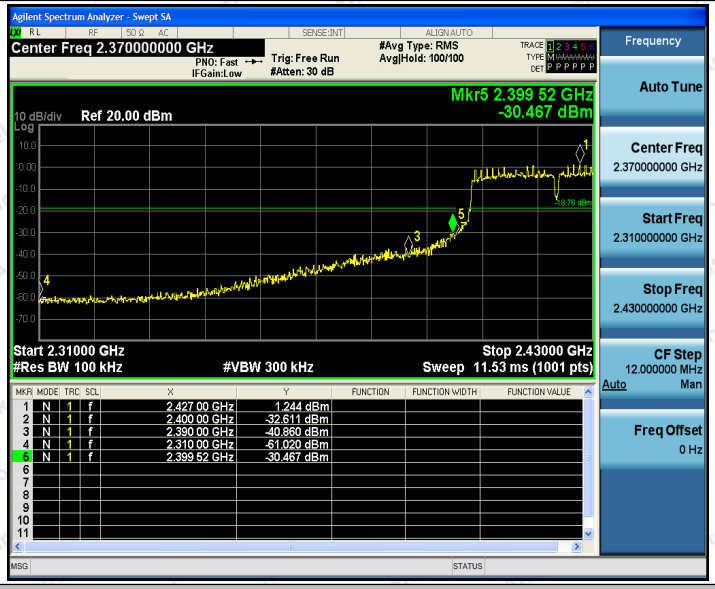
11N20_Ant2_High_2462



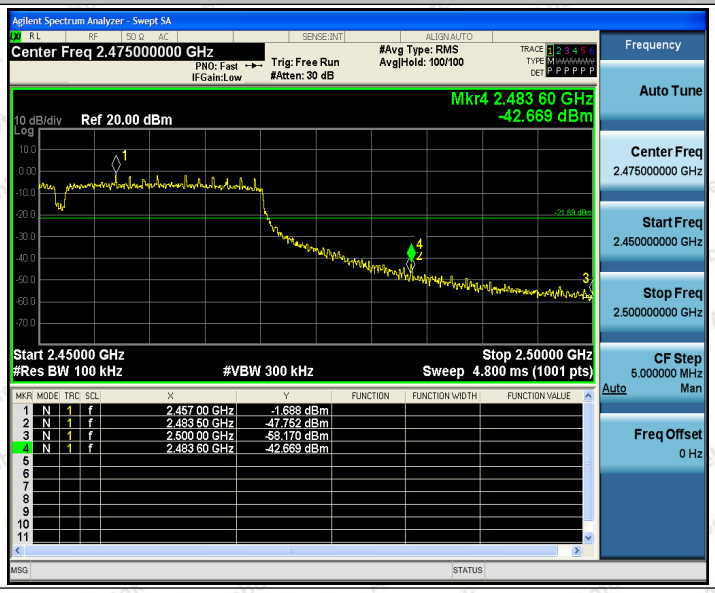
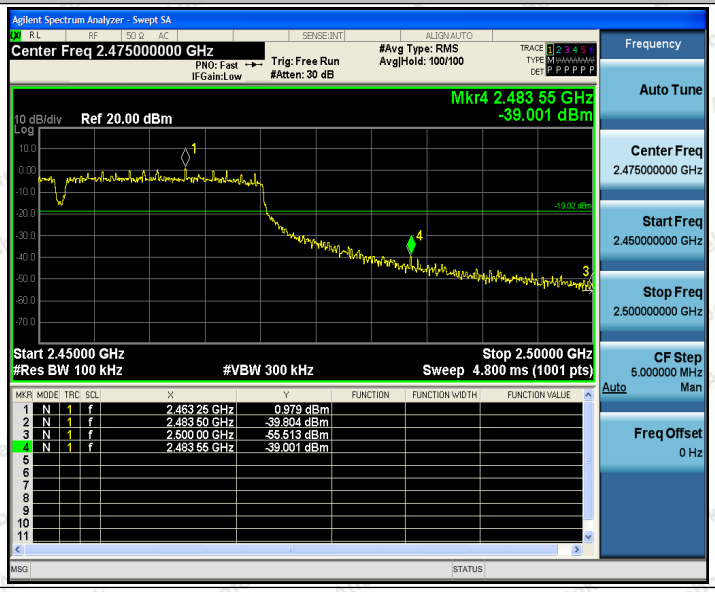
11n40_Ant1_Low_2422



11n40_Ant2_Low_2422



11n40_Ant1_High_2452



11n40_Ant2_High_2452