



Appendix for Test Report



Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.600	2407.960	2416.560	---	PASS
	Ant2	2412	8.640	2407.920	2416.560	---	PASS
	Ant1	2417	8.120	2412.960	2421.080	---	PASS
	Ant2	2417	8.640	2412.920	2421.560	---	PASS
	Ant1	2437	8.160	2432.920	2441.080	---	PASS
	Ant2	2437	8.600	2432.960	2441.560	---	PASS
	Ant1	2457	8.160	2452.880	2461.040	---	PASS
	Ant2	2457	8.600	2452.440	2461.040	---	PASS
	Ant1	2462	8.240	2458.320	2466.560	---	PASS
	Ant2	2462	8.120	2457.960	2466.080	---	PASS
11G	Ant1	2412	15.880	2404.320	2420.200	---	PASS
	Ant2	2412	16.160	2404.080	2420.240	---	PASS
	Ant1	2417	16.400	2408.800	2425.200	---	PASS
	Ant2	2417	16.200	2409.040	2425.240	---	PASS
	Ant1	2422	16.440	2413.760	2430.200	---	PASS
	Ant2	2422	16.400	2413.800	2430.200	---	PASS
	Ant1	2437	16.440	2428.800	2445.240	---	PASS
	Ant2	2437	16.480	2428.760	2445.240	---	PASS
	Ant1	2457	16.400	2448.800	2465.200	---	PASS
	Ant2	2457	16.400	2448.800	2465.200	---	PASS
	Ant1	2462	16.400	2453.800	2470.200	---	PASS
	Ant2	2462	16.520	2453.720	2470.240	---	PASS
11N20SISO	Ant1	2412	17.400	2403.440	2420.840	---	PASS
	Ant2	2412	16.760	2404.080	2420.840	---	PASS
	Ant1	2417	17.360	2408.440	2425.800	---	PASS
	Ant2	2417	17.280	2408.560	2425.840	---	PASS
	Ant1	2422	17.240	2413.160	2430.400	---	PASS
	Ant2	2422	17.240	2413.560	2430.800	---	PASS
	Ant1	2437	17.640	2428.200	2445.840	---	PASS
	Ant2	2437	17.680	2428.160	2445.840	---	PASS
	Ant1	2457	17.640	2448.200	2465.840	---	PASS
	Ant2	2457	17.600	2448.200	2465.800	---	PASS
	Ant1	2462	17.680	2453.160	2470.840	---	PASS
	Ant2	2462	17.640	2453.200	2470.840	---	PASS



11N40SISO	Ant1	2422	34.160	2405.440	2439.600	---	PASS
	Ant2	2422	34.000	2405.600	2439.600	---	PASS
	Ant1	2427	35.360	2409.480	2444.840	---	PASS
	Ant2	2427	32.720	2411.880	2444.600	---	PASS
	Ant1	2432	35.920	2414.000	2449.920	---	PASS
	Ant2	2432	33.520	2415.600	2449.120	---	PASS
	Ant1	2437	35.840	2419.160	2455.000	---	PASS
	Ant2	2437	35.600	2419.000	2454.600	---	PASS
	Ant1	2442	35.440	2424.400	2459.840	---	PASS
	Ant2	2442	35.200	2424.400	2459.600	---	PASS
	Ant1	2447	34.240	2430.600	2464.840	---	PASS
	Ant2	2447	35.440	2429.400	2464.840	---	PASS
	Ant1	2452	34.160	2435.680	2469.840	---	PASS
	Ant2	2452	35.120	2434.480	2469.600	---	PASS
11G-CDD	Ant1	2412	16.000	2404.200	2420.200	---	PASS
	Ant2	2412	16.520	2403.800	2420.320	---	PASS
	Ant1	2417	16.440	2408.800	2425.240	---	PASS
	Ant2	2417	16.400	2408.840	2425.240	---	PASS
	Ant1	2422	16.400	2413.800	2430.200	---	PASS
	Ant2	2422	16.400	2413.840	2430.240	---	PASS
	Ant1	2437	16.520	2428.800	2445.320	---	PASS
	Ant2	2437	16.440	2428.800	2445.240	---	PASS
	Ant1	2457	16.440	2448.800	2465.240	---	PASS
	Ant2	2457	16.400	2448.800	2465.200	---	PASS
	Ant1	2462	16.480	2453.760	2470.240	---	PASS
	Ant2	2462	16.440	2453.800	2470.240	---	PASS
11N20MIMO	Ant1	2412	16.360	2404.440	2420.800	---	PASS
	Ant2	2412	17.280	2403.560	2420.840	---	PASS
	Ant1	2417	17.360	2408.440	2425.800	---	PASS
	Ant2	2417	16.600	2409.200	2425.800	---	PASS
	Ant1	2422	16.840	2413.360	2430.200	---	PASS
	Ant2	2422	17.280	2413.560	2430.840	---	PASS
	Ant1	2437	17.640	2428.200	2445.840	---	PASS
	Ant2	2437	17.640	2428.200	2445.840	---	PASS
	Ant1	2457	17.360	2448.200	2465.560	---	PASS
	Ant2	2457	17.640	2448.200	2465.840	---	PASS
	Ant1	2462	17.680	2453.160	2470.840	---	PASS
	Ant2	2462	17.600	2453.200	2470.800	---	PASS
11N40MIMO	Ant1	2422	33.920	2405.600	2439.520	---	PASS
	Ant2	2422	32.720	2406.880	2439.600	---	PASS
	Ant1	2427	35.120	2409.480	2444.600	---	PASS
	Ant2	2427	33.840	2410.680	2444.520	---	PASS
	Ant1	2432	35.840	2414.160	2450.000	---	PASS



	Ant2	2432	34.560	2415.040	2449.600	---	PASS
	Ant1	2437	35.520	2419.480	2455.000	---	PASS
	Ant2	2437	36.480	2418.760	2455.240	---	PASS
	Ant1	2442	34.240	2425.600	2459.840	---	PASS
	Ant2	2442	36.240	2423.760	2460.000	---	PASS
	Ant1	2447	33.920	2430.680	2464.600	---	PASS
	Ant2	2447	35.600	2429.400	2465.000	---	PASS
	Ant1	2452	34.000	2435.600	2469.600	---	PASS
	Ant2	2452	34.400	2435.600	2470.000	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2417



11B_Ant2_2417



11B_Ant1_2437



11B_Ant2_2437



11B_Ant1_2457



11B_Ant2_2457



11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2417



11G_Ant2_2417



11G_Ant1_2422



11G_Ant2_2422



11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2457



11G_Ant2_2457



11G_Ant1_2462



11G_Ant2_2462



11N20SISO_Ant1_2412



11N20SISO_Ant2_2412



11N20SISO_Ant1_2417



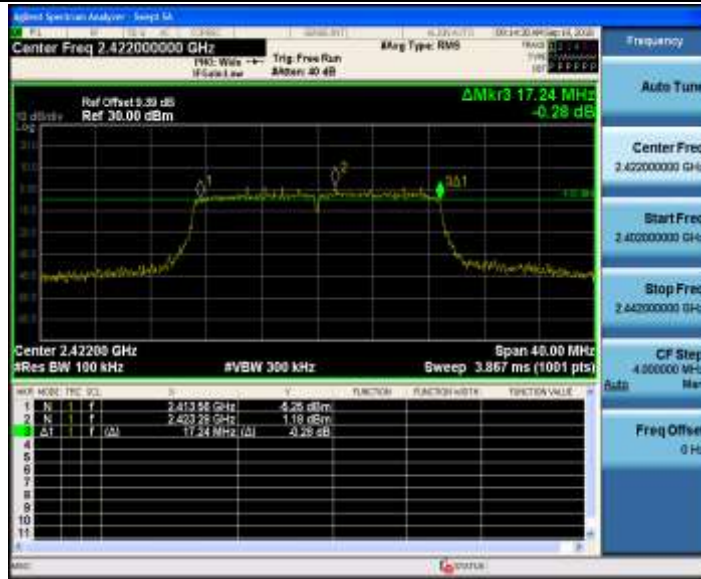
11N20SISO_Ant2_2417



11N20SISO_Ant1_2422



11N20SISO_Ant2_2422



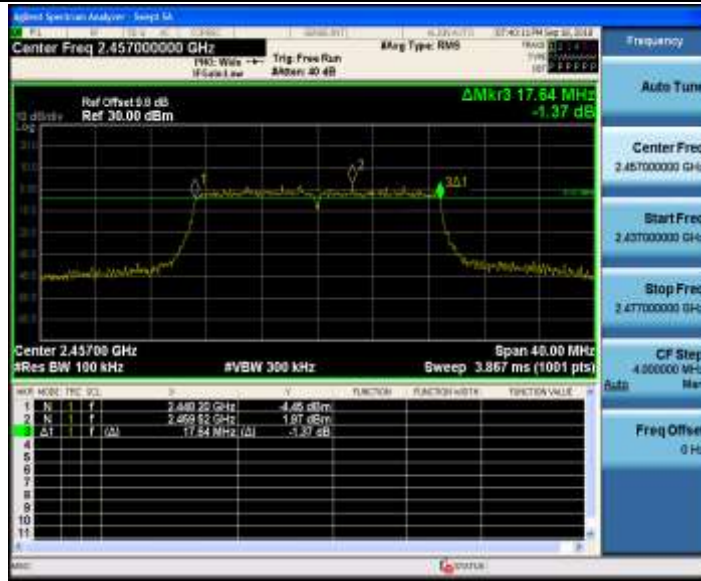
11N20SISO_Ant1_2437



11N20SISO_Ant2_2437



11N20SISO_Ant1_2457



11N20SISO_Ant2_2457



11N20SISO_Ant1_2462



11N20SISO_Ant2_2462



11N40SISO_Ant1_2422



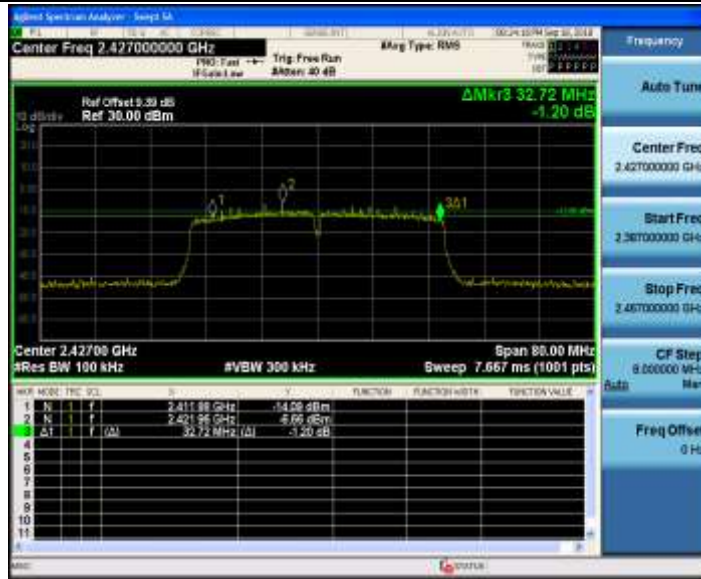
11N40SISO_Ant2_2422



11N40SISO_Ant1_2427



11N40SISO_Ant2_2427



11N40SISO_Ant1_2432



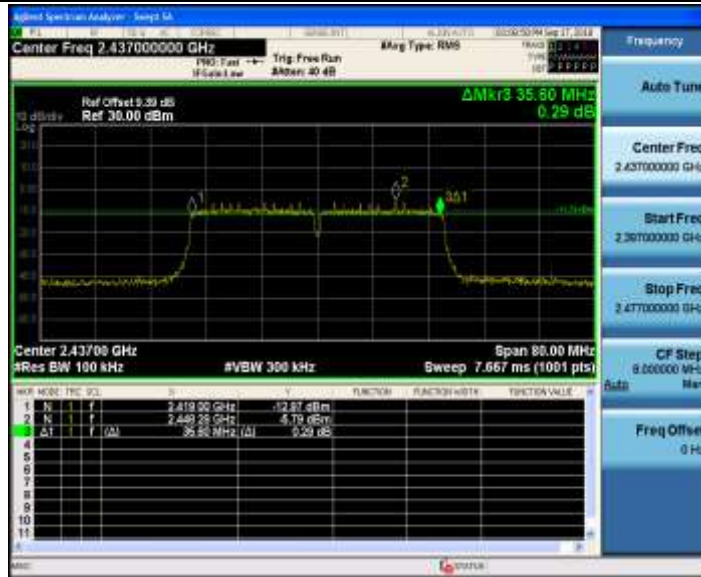
11N40SISO_Ant2_2432



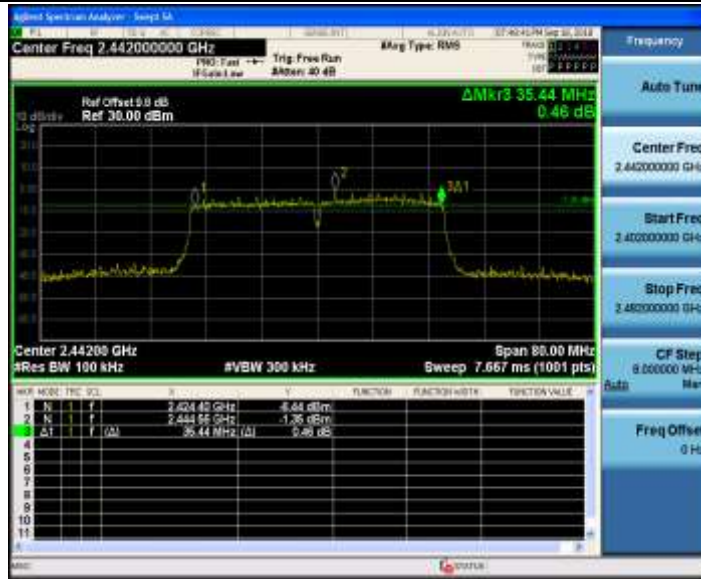
11N40SISO_Ant1_2437



11N40SISO_Ant2_2437



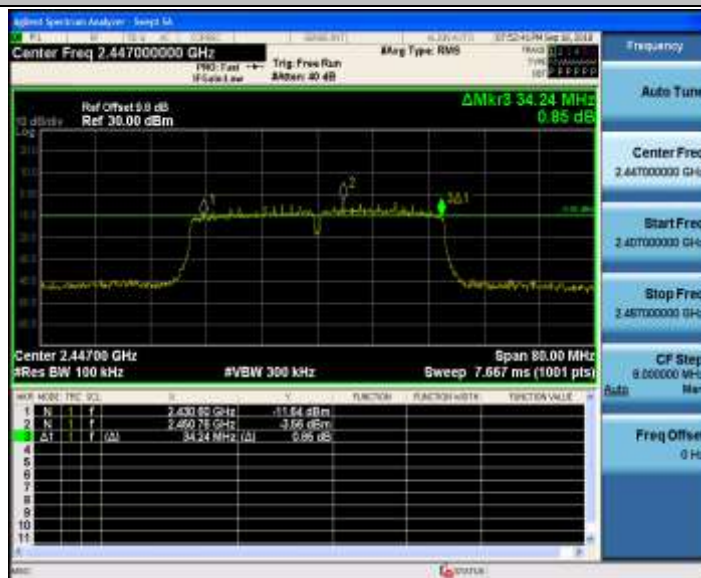
11N40SISO_Ant1_2442



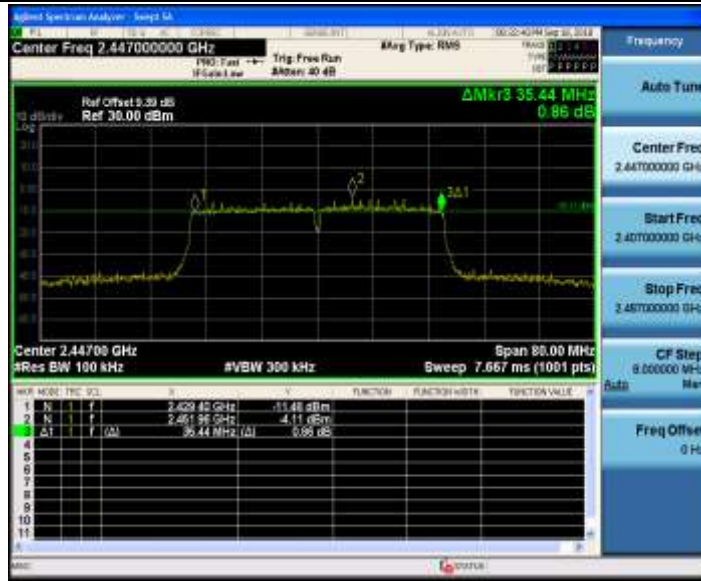
11N40SISO_Ant2_2442



11N40SISO_Ant1_2447



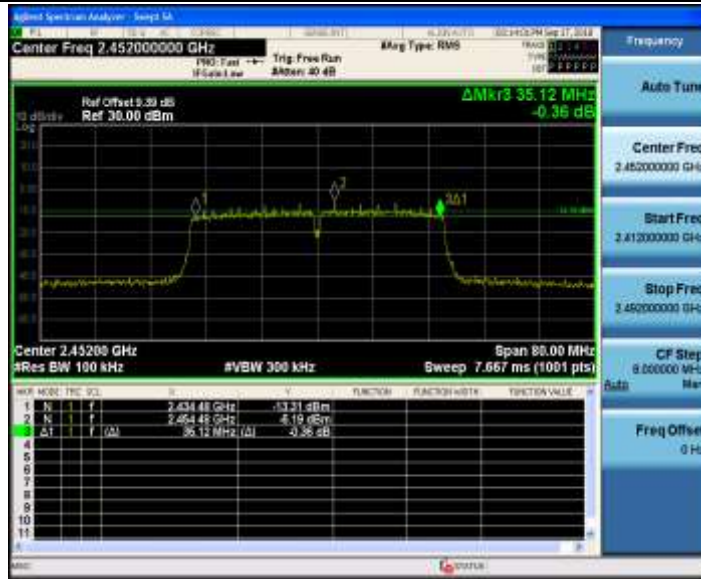
11N40SISO_Ant2_2447



11N40SISO_Ant1_2452



11N40SISO_Ant2_2452



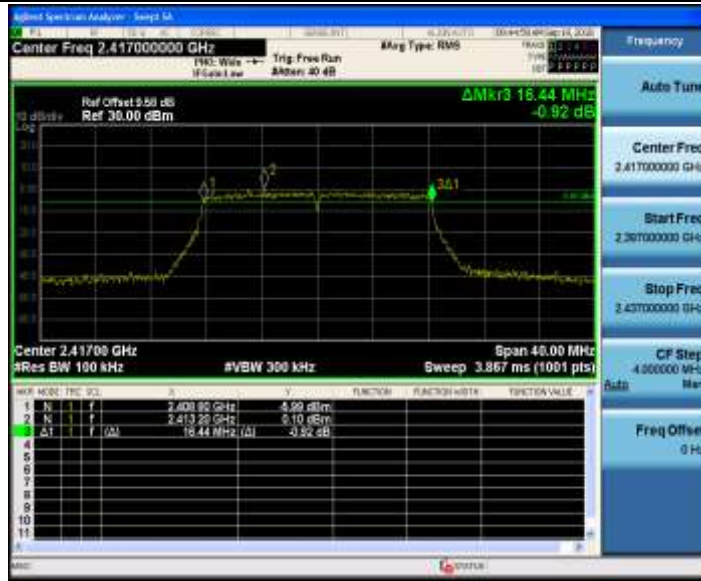
11G-CDD_Ant1_2412



11G-CDD_Ant2_2412



11G-CDD_Ant1_2417



11G-CDD_Ant2_2417



11G-CDD_Ant1_2422



11G-CDD_Ant2_2422



11G-CDD_Ant1_2437



11G-CDD_Ant2_2437



11G-CDD_Ant1_2457



11G-CDD_Ant2_2457



11G-CDD_Ant1_2462



11G-CDD_Ant2_2462



11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



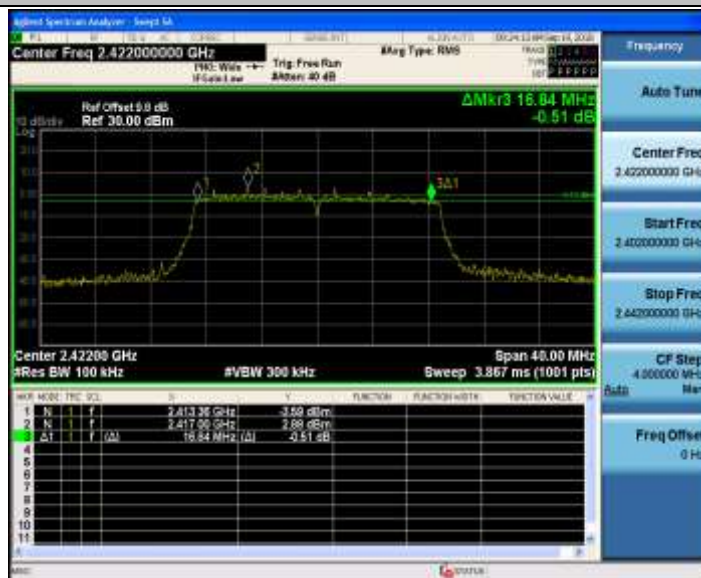
11N20MIMO_Ant1_2417



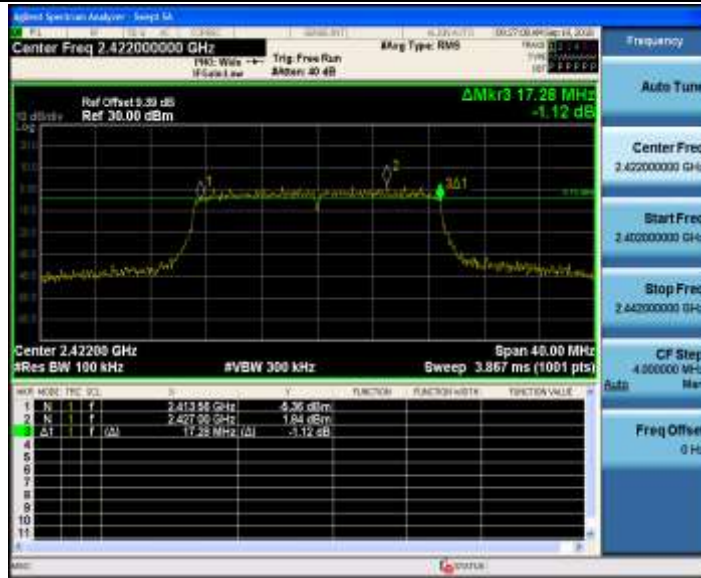
11N20MIMO_Ant2_2417



11N20MIMO_Ant1_2422



11N20MIMO_Ant2_2422



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437



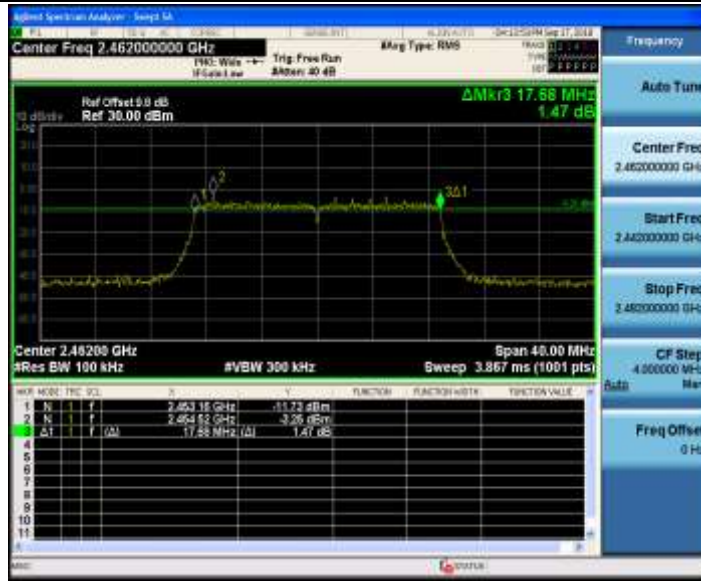
11N20MIMO_Ant1_2457



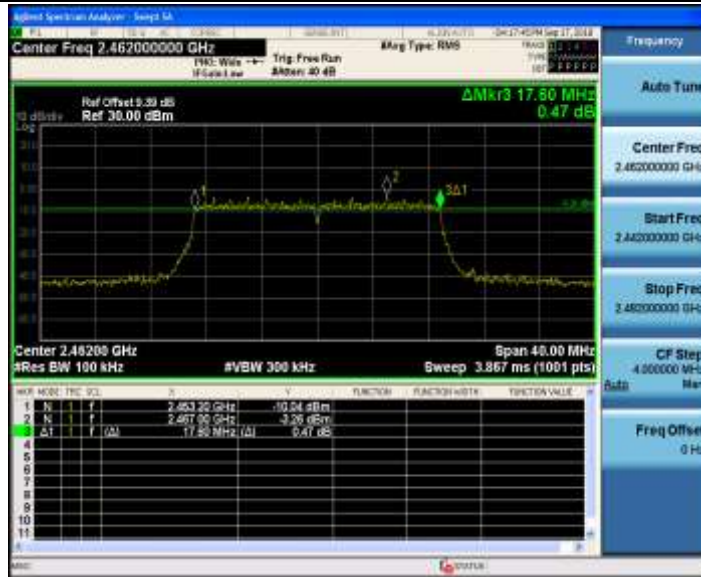
11N20MIMO_Ant2_2457



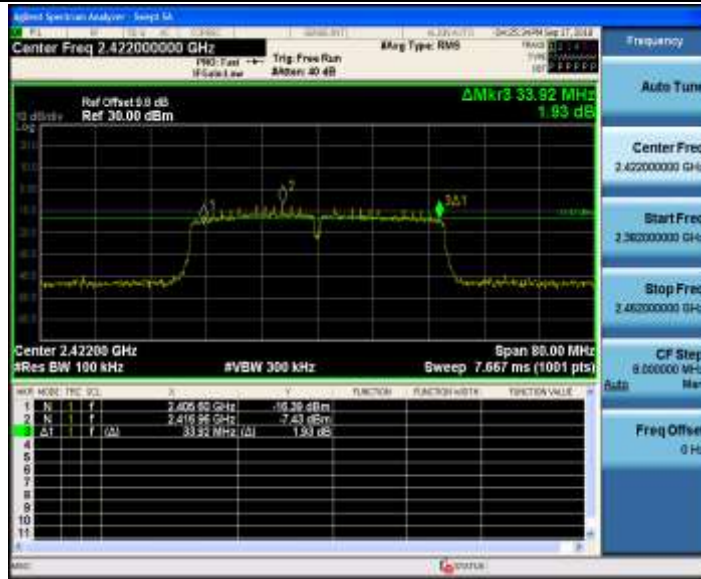
11N20MIMO_Ant1_2462



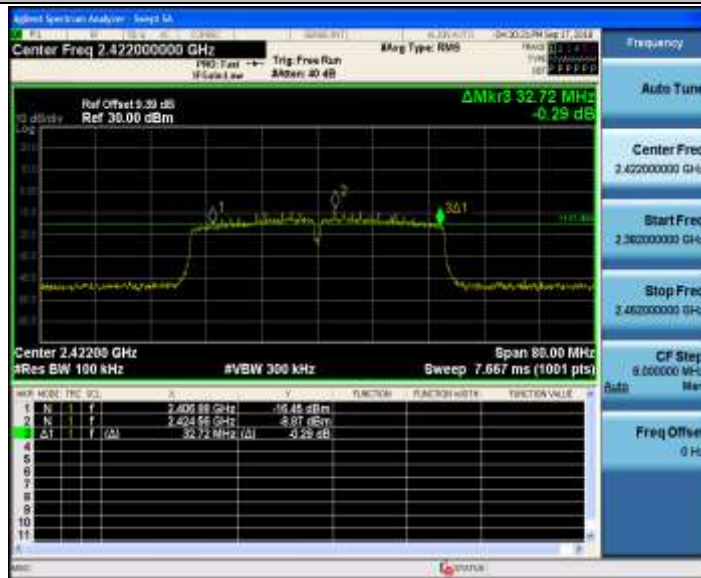
11N20MIMO_Ant2_2462



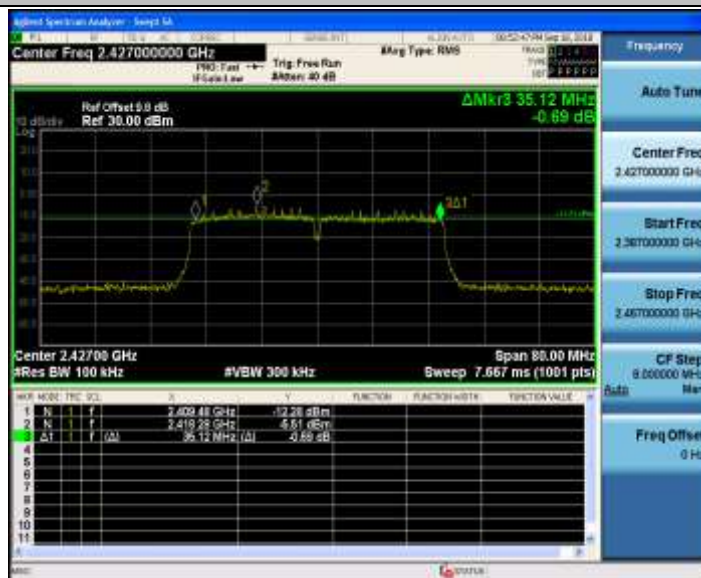
11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



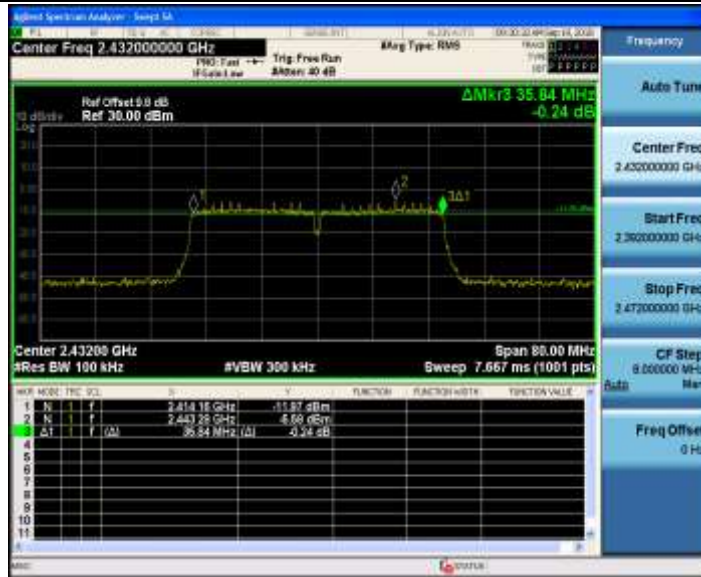
11N40MIMO_Ant1_2427



11N40MIMO_Ant2_2427



11N40MIMO_Ant1_2432



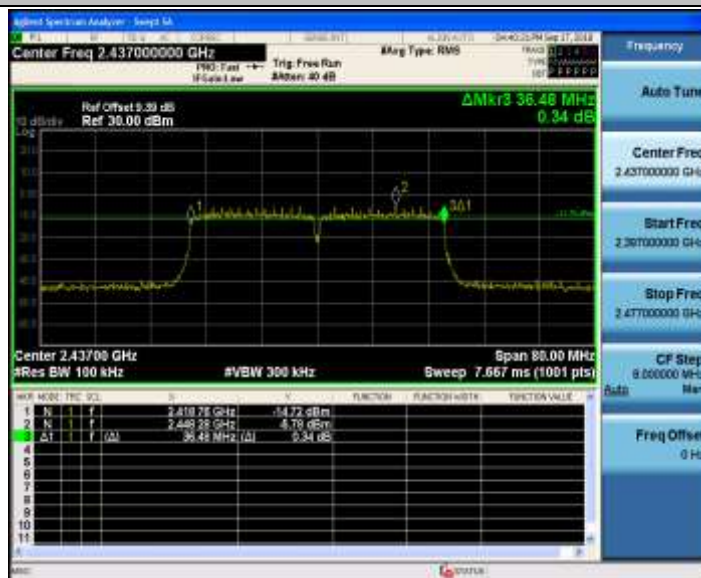
11N40MIMO_Ant2_2432



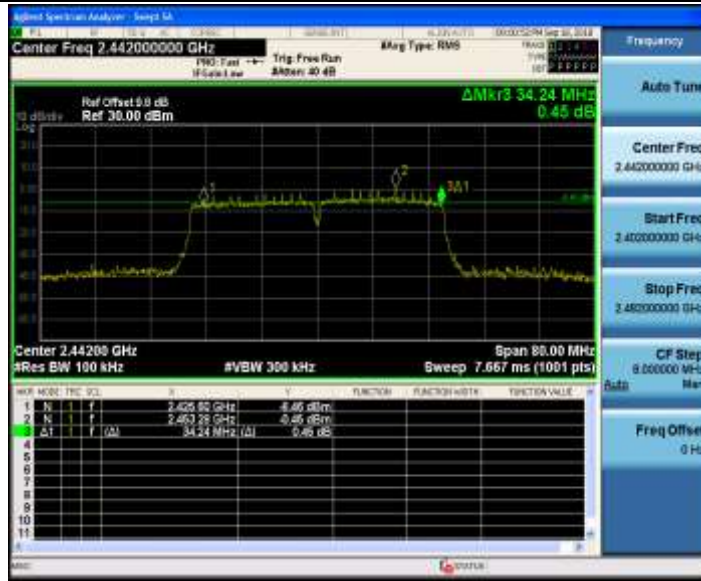
11N40MIMO_Ant1_2437



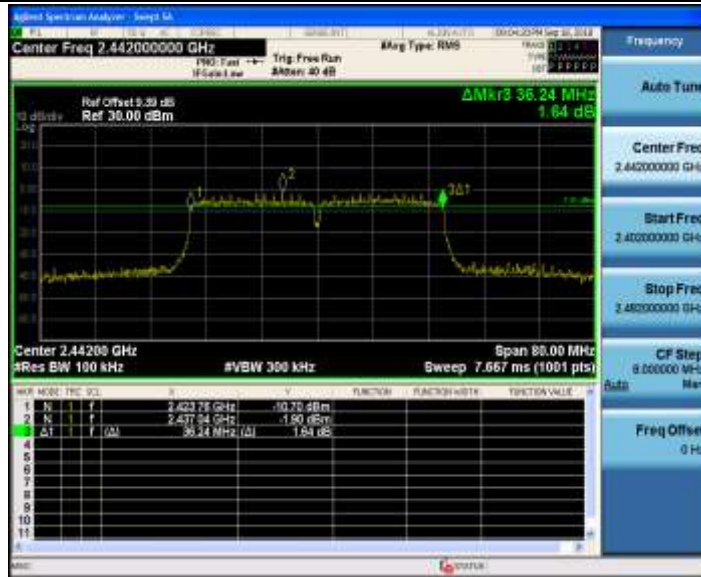
11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2442



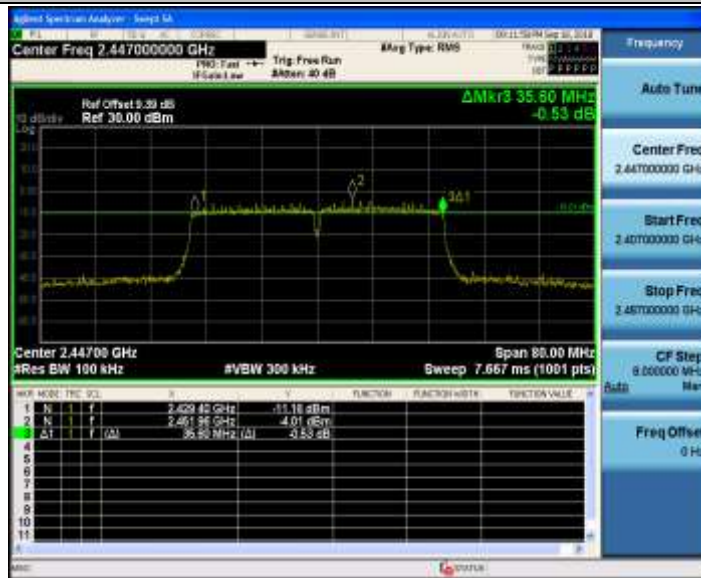
11N40MIMO_Ant2_2442



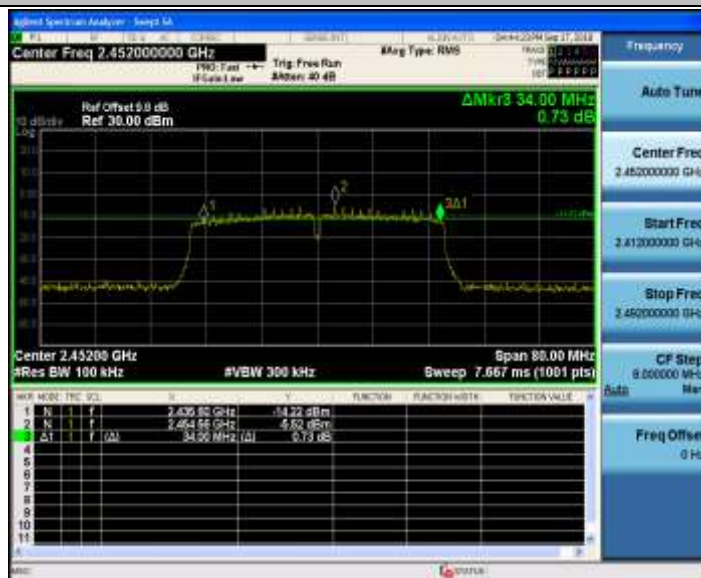
11N40MIMO_Ant1_2447



11N40MIMO_Ant2_2447



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.135	2406.696	2417.831	---	PASS
	Ant2	2412	11.481	2406.550	2418.031	---	PASS
	Ant1	2417	11.071	2411.578	2422.649	---	PASS
	Ant2	2417	11.587	2411.497	2423.084	---	PASS
	Ant1	2437	11.389	2431.438	2442.827	---	PASS
	Ant2	2437	11.779	2431.138	2442.917	---	PASS
	Ant1	2457	11.339	2451.322	2462.661	---	PASS
	Ant2	2457	11.744	2451.213	2462.957	---	PASS
	Ant1	2462	11.548	2456.232	2467.780	---	PASS
11G	Ant2	2462	11.612	2456.252	2467.864	---	PASS
	Ant1	2412	16.696	2403.750	2420.446	---	PASS
	Ant2	2412	16.833	2403.721	2420.554	---	PASS
	Ant1	2417	16.582	2408.739	2425.321	---	PASS
	Ant2	2417	16.683	2408.797	2425.480	---	PASS
	Ant1	2422	16.710	2413.609	2430.319	---	PASS
	Ant2	2422	16.645	2413.679	2430.324	---	PASS
	Ant1	2437	16.901	2428.634	2445.535	---	PASS
	Ant2	2437	16.897	2428.560	2445.457	---	PASS
	Ant1	2457	16.767	2448.657	2465.424	---	PASS
	Ant2	2457	16.782	2448.658	2465.440	---	PASS
11N20SISO	Ant1	2462	16.849	2453.585	2470.434	---	PASS
	Ant2	2462	16.761	2453.638	2470.399	---	PASS
	Ant1	2412	17.691	2403.237	2420.928	---	PASS
	Ant2	2412	17.767	2403.226	2420.993	---	PASS
	Ant1	2417	17.687	2408.209	2425.896	---	PASS
	Ant2	2417	17.716	2408.250	2425.966	---	PASS
	Ant1	2422	17.677	2413.100	2430.777	---	PASS
	Ant2	2422	17.638	2413.198	2430.836	---	PASS
	Ant1	2437	17.773	2428.173	2445.946	---	PASS
	Ant2	2437	17.824	2428.097	2445.921	---	PASS
	Ant1	2457	17.690	2448.166	2465.856	---	PASS
Ant2	2457	17.706	2448.189	2465.895	---	PASS	
Ant1	2462	17.789	2453.130	2470.919	---	PASS	



	Ant2	2462	17.739	2453.165	2470.904	---	PASS
11N40SISO	Ant1	2422	35.951	2404.134	2440.085	---	PASS
	Ant2	2422	35.968	2404.121	2440.089	---	PASS
	Ant1	2427	36.067	2409.056	2445.123	---	PASS
	Ant2	2427	35.901	2409.172	2445.073	---	PASS
	Ant1	2432	36.227	2413.879	2450.106	---	PASS
	Ant2	2432	35.951	2414.135	2450.086	---	PASS
	Ant1	2437	36.214	2418.989	2455.203	---	PASS
	Ant2	2437	36.176	2418.989	2455.165	---	PASS
	Ant1	2442	36.097	2424.067	2460.164	---	PASS
	Ant2	2442	36.185	2423.967	2460.152	---	PASS
	Ant1	2447	36.017	2429.135	2465.152	---	PASS
	Ant2	2447	36.102	2429.024	2465.126	---	PASS
	Ant1	2452	35.961	2434.168	2470.129	---	PASS
	Ant2	2452	36.067	2434.097	2470.164	---	PASS
11G-CDD	Ant1	2412	16.745	2403.724	2420.469	---	PASS
	Ant2	2412	16.712	2403.768	2420.480	---	PASS
	Ant1	2417	16.673	2408.688	2425.361	---	PASS
	Ant2	2417	16.625	2408.788	2425.413	---	PASS
	Ant1	2422	16.708	2413.646	2430.354	---	PASS
	Ant2	2422	16.541	2413.790	2430.331	---	PASS
	Ant1	2437	16.809	2428.685	2445.494	---	PASS
	Ant2	2437	16.792	2428.645	2445.437	---	PASS
	Ant1	2457	16.758	2448.652	2465.410	---	PASS
	Ant2	2457	16.694	2448.710	2465.404	---	PASS
	Ant1	2462	16.791	2453.649	2470.440	---	PASS
Ant2	2462	16.721	2453.715	2470.436	---	PASS	
11N20MIMO	Ant1	2412	17.662	2403.252	2420.914	---	PASS
	Ant2	2412	17.698	2403.261	2420.959	---	PASS
	Ant1	2417	17.624	2408.225	2425.849	---	PASS
	Ant2	2417	17.658	2408.262	2425.920	---	PASS
	Ant1	2422	17.681	2413.164	2430.845	---	PASS
	Ant2	2422	17.610	2413.248	2430.858	---	PASS
	Ant1	2437	17.794	2428.176	2445.970	---	PASS
	Ant2	2437	17.754	2428.142	2445.896	---	PASS
	Ant1	2457	17.691	2448.186	2465.877	---	PASS
	Ant2	2457	17.714	2448.189	2465.903	---	PASS
	Ant1	2462	17.821	2453.117	2470.938	---	PASS
Ant2	2462	17.712	2453.185	2470.897	---	PASS	
11N40MIMO	Ant1	2422	35.981	2404.129	2440.110	---	PASS
	Ant2	2422	35.862	2404.208	2440.070	---	PASS
	Ant1	2427	36.058	2409.065	2445.123	---	PASS
	Ant2	2427	35.832	2409.194	2445.026	---	PASS



	Ant1	2432	36.151	2414.004	2450.155	---	PASS
	Ant2	2432	35.947	2414.109	2450.056	---	PASS
	Ant1	2437	36.214	2418.980	2455.194	---	PASS
	Ant2	2437	36.147	2418.993	2455.140	---	PASS
	Ant1	2442	36.016	2424.093	2460.109	---	PASS
	Ant2	2442	36.212	2423.930	2460.142	---	PASS
	Ant1	2447	35.928	2429.169	2465.097	---	PASS
	Ant2	2447	36.127	2429.043	2465.170	---	PASS
	Ant1	2452	35.967	2434.160	2470.127	---	PASS
	Ant2	2452	36.036	2434.124	2470.160	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2417



11B_Ant2_2417



11B_Ant1_2437



11B_Ant2_2437



11B_Ant1_2457



11B_Ant2_2457



11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2417



11G_Ant2_2417



11G_Ant1_2422



11G_Ant2_2422



11G_Ant1_2437



11G_Ant2_2437



11G_Ant1_2457



11G_Ant2_2457



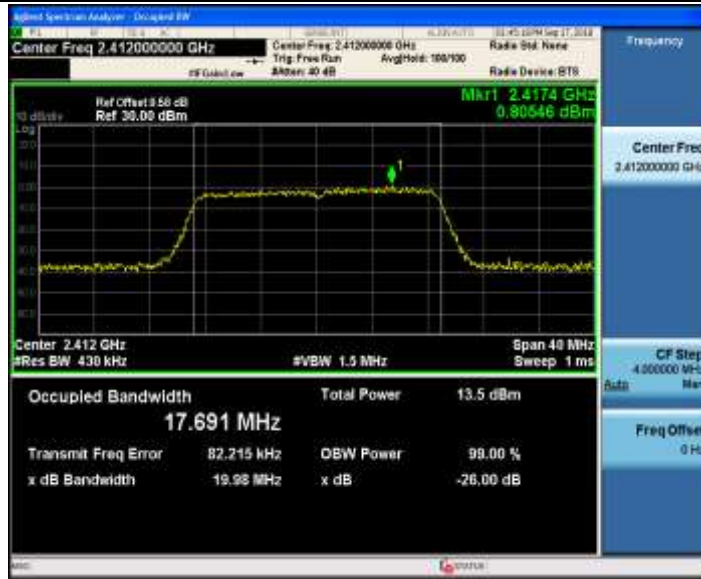
11G_Ant1_2462



11G_Ant2_2462



11N20SISO_Ant1_2412



11N20SISO_Ant2_2412



11N20SISO_Ant1_2417





11N20SISO_Ant2_2417



11N20SISO_Ant1_2422



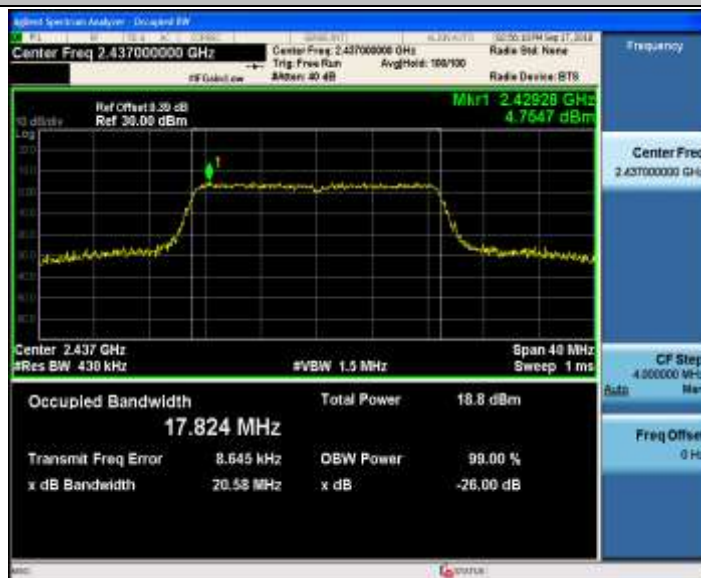
11N20SISO_Ant2_2422



11N20SISO_Ant1_2437



11N20SISO_Ant2_2437





11N20SISO_Ant1_2457



11N20SISO_Ant2_2457



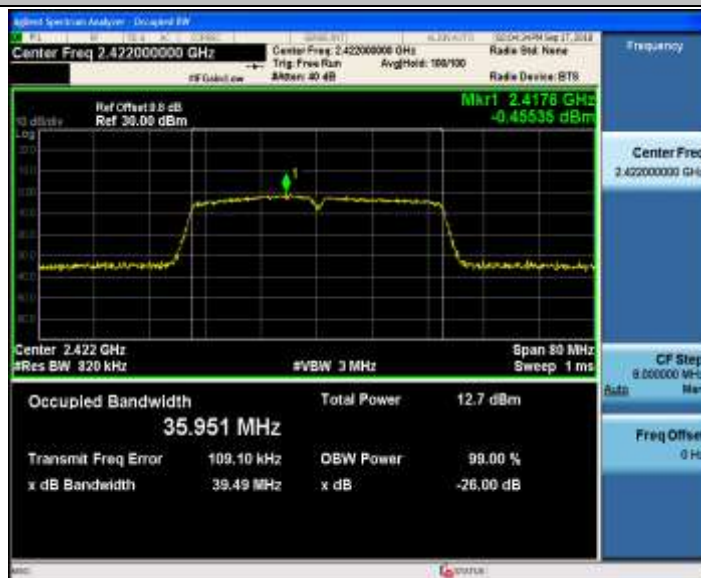
11N20SISO_Ant1_2462



11N20SISO_Ant2_2462

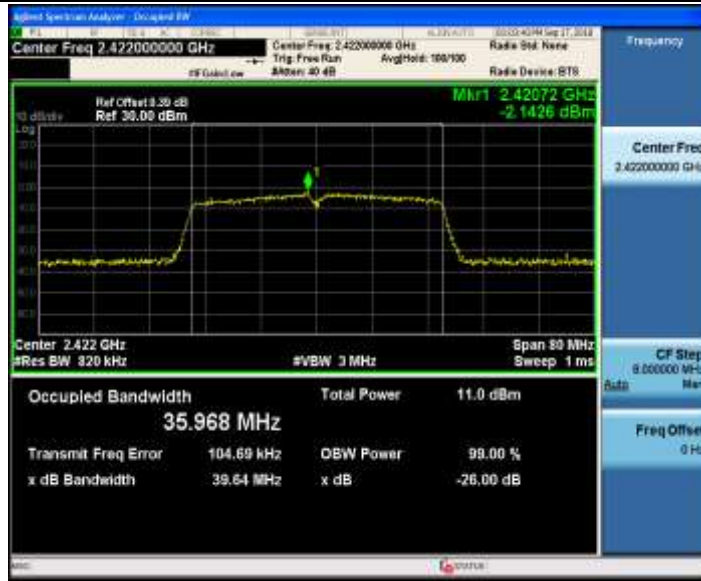


11N40SISO_Ant1_2422





11N40SISO_Ant2_2422



11N40SISO_Ant1_2427



11N40SISO_Ant2_2427



11N40SISO_Ant1_2432

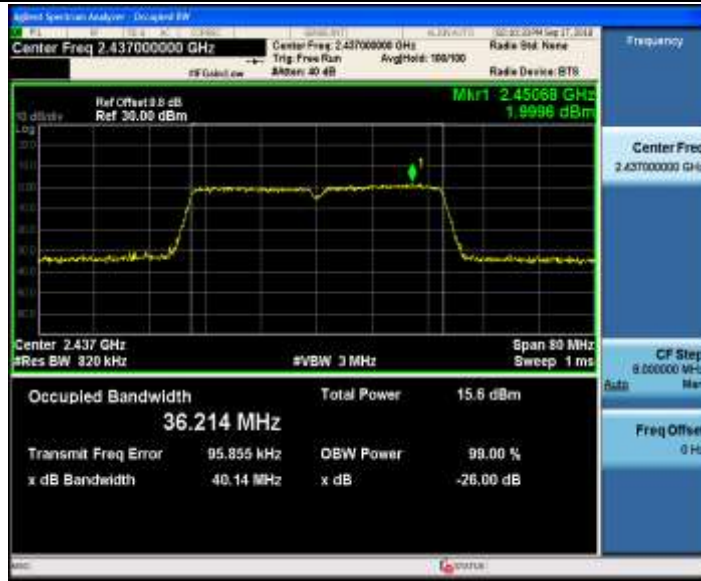


11N40SISO_Ant2_2432

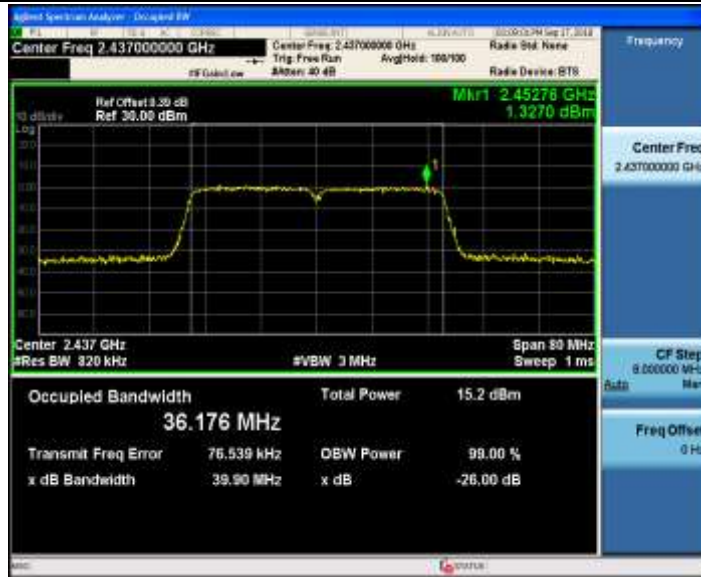




11N40SISO_Ant1_2437



11N40SISO_Ant2_2437



11N40SISO_Ant1_2442



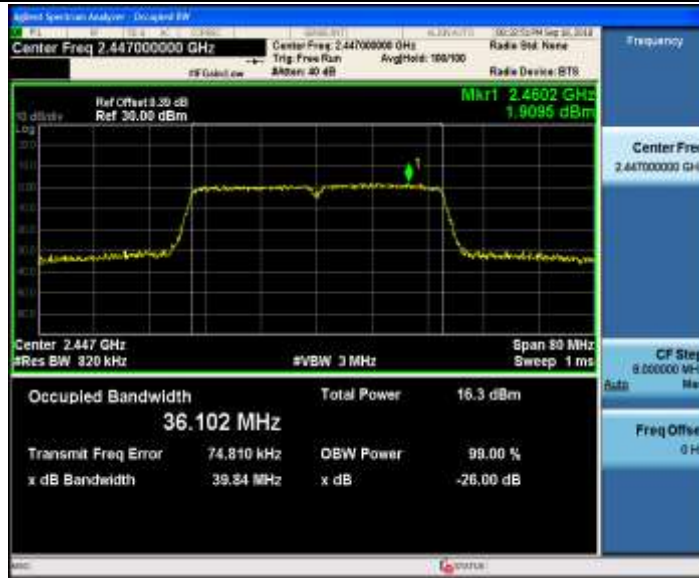
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11N40SISO_Ant1_2447



11N40SISO_Ant2_2447



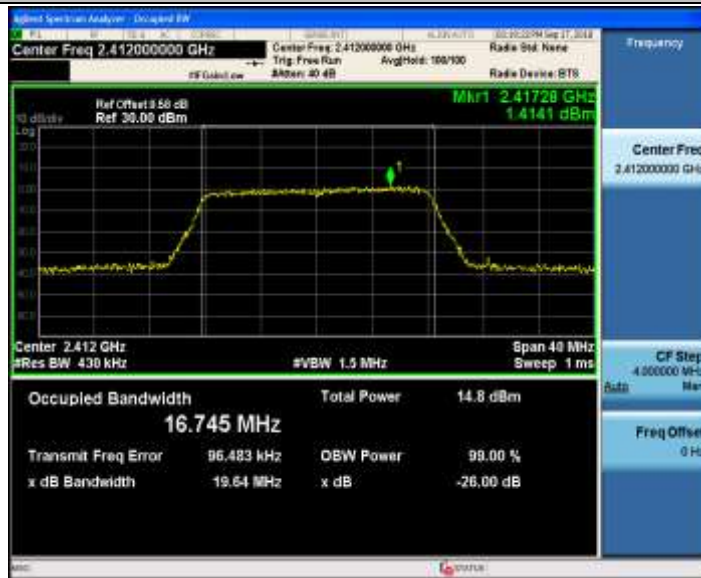
11N40SISO_Ant1_2452



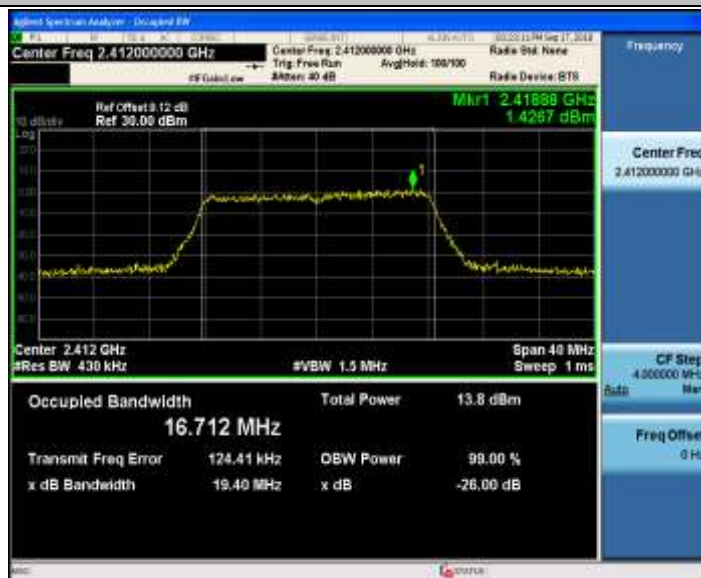
11N40SISO_Ant2_2452



11G-CDD_Ant1_2412



11G-CDD_Ant2_2412



11G-CDD_Ant1_2417



11G-CDD_Ant2_2417



11G-CDD_Ant1_2422



11G-CDD_Ant2_2422



11G-CDD_Ant1_2437





11G-CDD_Ant2_2437



11G-CDD_Ant1_2457



11G-CDD_Ant2_2457



11G-CDD_Ant1_2462



11G-CDD_Ant2_2462





11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



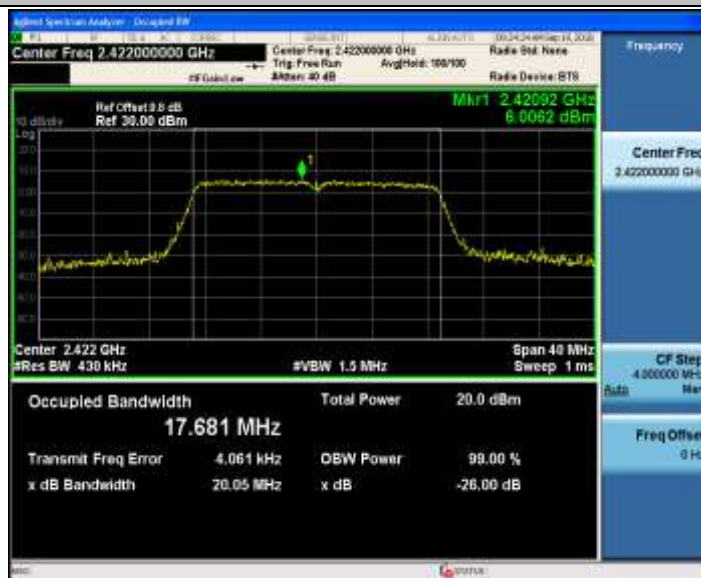
11N20MIMO_Ant1_2417



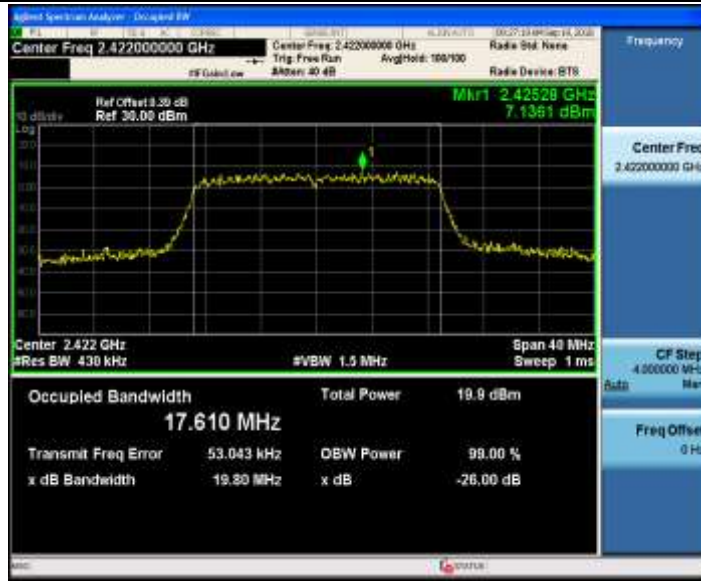
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11N20MIMO_Ant1_2422



11N20MIMO_Ant2_2422



11N20MIMO_Ant1_2437



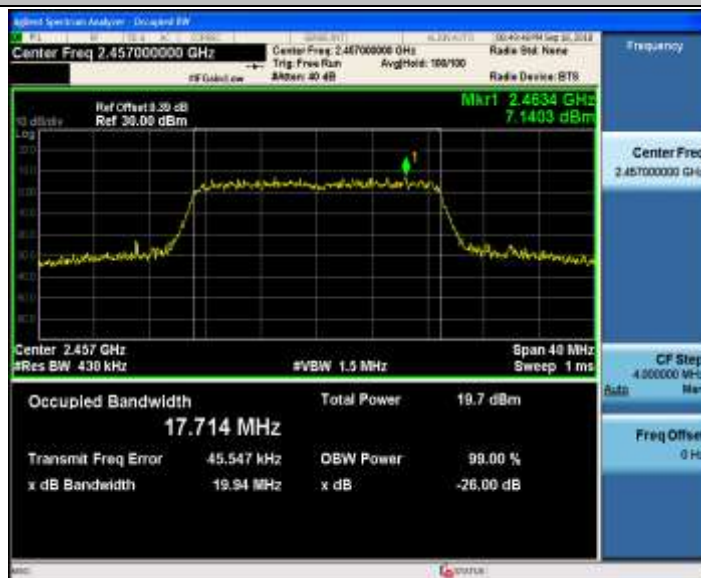
11N20MIMO_Ant2_2437



11N20MIMO_Ant1_2457

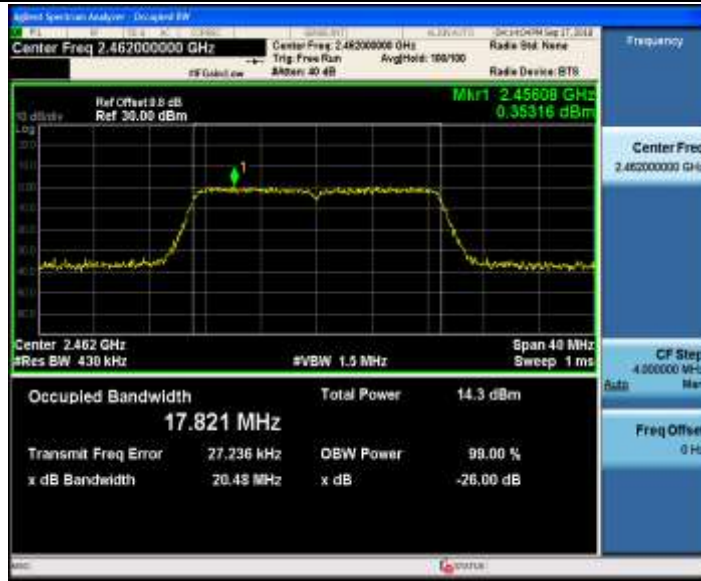


11N20MIMO_Ant2_2457





11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2427





11N40MIMO_Ant2_2427



11N40MIMO_Ant1_2432



11N40MIMO_Ant2_2432



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437





11N40MIMO_Ant1_2442



11N40MIMO_Ant2_2442



11N40MIMO_Ant1_2447



11N40MIMO_Ant2_2447



11N40MIMO_Ant1_2452





11N40MIMO_Ant2_2452





Appendix C: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.41	8.45	99.58
	Ant2	2412	8.41	8.45	99.58
	Ant1	2417	8.41	8.45	99.58
	Ant2	2417	8.41	8.45	99.58
	Ant1	2437	8.41	8.49	99.10
	Ant2	2437	8.41	8.45	99.58
	Ant1	2457	8.41	8.45	99.58
	Ant2	2457	8.41	8.49	99.10
	Ant1	2462	8.41	8.44	99.61
	Ant2	2462	8.41	8.45	99.61
11G	Ant1	2412	2.72	2.76	98.90
	Ant2	2412	2.72	2.76	98.85
	Ant1	2417	2.73	2.79	97.64
	Ant2	2417	2.72	2.76	98.90
	Ant1	2422	2.73	2.76	98.94
	Ant2	2422	2.73	2.76	98.85
	Ant1	2437	2.72	2.78	97.95
	Ant2	2437	2.73	2.79	97.68
	Ant1	2457	2.72	2.76	98.90
	Ant2	2457	2.73	2.76	98.94
	Ant1	2462	2.72	2.76	98.90
	Ant2	2462	2.72	2.76	98.90
11N20SISO	Ant1	2412	2.53	2.56	98.86
	Ant2	2412	2.53	2.57	98.81
	Ant1	2417	2.53	2.56	98.86
	Ant2	2417	2.53	2.56	98.86
	Ant1	2422	2.53	2.56	98.86
	Ant2	2422	2.53	2.57	98.81
	Ant1	2437	2.53	2.56	98.86
	Ant2	2437	2.53	2.56	98.81
	Ant1	2457	2.53	2.56	98.81
	Ant2	2457	2.53	2.56	98.86
	Ant1	2462	2.53	2.56	98.86
	Ant2	2462	2.53	2.56	98.86



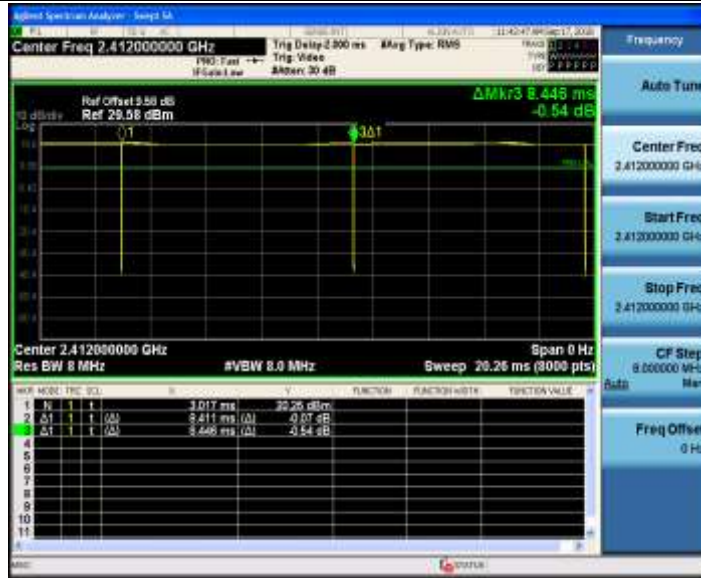
	Ant2	2462	2.53	2.56	98.81
11N40SISO	Ant1	2422	1.24	1.34	92.43
	Ant2	2422	1.24	1.28	96.64
	Ant1	2427	1.24	1.29	96.26
	Ant2	2427	1.24	1.28	96.64
	Ant1	2432	1.24	1.28	96.64
	Ant2	2432	1.24	1.28	96.64
	Ant1	2437	1.24	1.28	96.54
	Ant2	2437	1.24	1.28	96.54
	Ant1	2442	1.24	1.28	96.64
	Ant2	2442	1.24	1.28	96.54
	Ant1	2447	1.24	1.28	96.54
	Ant2	2447	1.24	1.28	96.64
	Ant1	2452	1.24	1.31	94.31
	Ant2	2452	1.24	1.28	96.64
11G-CDD	Ant1	2412	2.72	2.76	98.81
	Ant2	2412	2.72	2.75	98.90
	Ant1	2417	2.72	2.77	98.26
	Ant2	2417	2.73	2.76	98.90
	Ant1	2422	2.72	2.76	98.85
	Ant2	2422	2.73	2.80	97.33
	Ant1	2437	2.72	2.76	98.71
	Ant2	2437	2.72	2.76	98.71
	Ant1	2457	2.73	2.76	98.85
	Ant2	2457	2.73	2.76	98.90
	Ant1	2462	2.72	2.76	98.81
	Ant2	2462	2.72	2.76	98.81
11N20MIMO	Ant1	2412	1.29	1.31	98.07
	Ant2	2412	1.29	1.32	97.98
	Ant1	2417	1.29	1.31	98.07
	Ant2	2417	1.29	1.32	98.08
	Ant1	2422	1.29	1.31	98.07
	Ant2	2422	1.29	1.32	97.98
	Ant1	2437	1.29	1.36	94.52
	Ant2	2437	1.29	1.32	97.88
	Ant1	2457	1.29	1.32	97.88
	Ant2	2457	1.29	1.31	98.07
	Ant1	2462	1.29	1.32	97.88
	Ant2	2462	1.29	1.32	97.98
11N40MIMO	Ant1	2422	0.64	0.66	97.31
	Ant2	2422	0.64	0.69	93.72
	Ant1	2427	0.64	0.66	97.31
	Ant2	2427	0.64	0.69	93.54



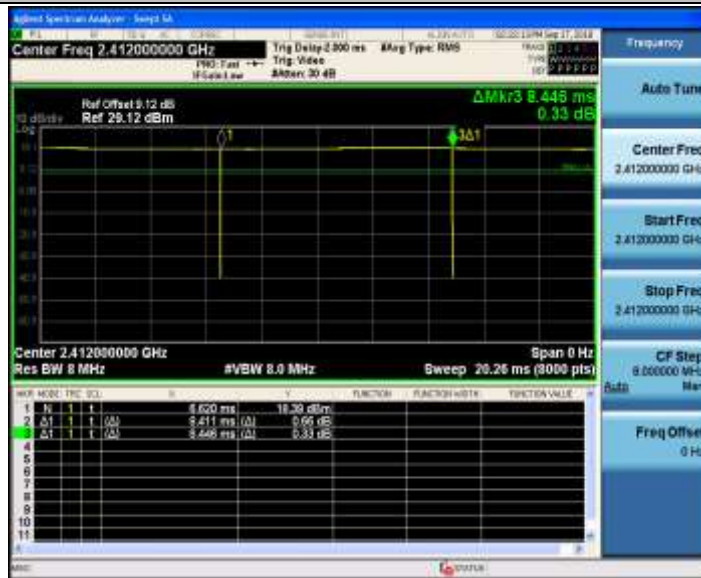
	Ant1	2432	0.64	0.66	97.31
	Ant2	2432	0.64	0.70	92.01
	Ant1	2437	0.64	0.66	97.31
	Ant2	2437	0.64	0.69	93.53
	Ant1	2442	0.64	0.66	97.31
	Ant2	2442	0.64	0.66	97.31
	Ant1	2447	0.64	0.71	90.68
	Ant2	2447	0.64	0.69	93.72
	Ant1	2452	0.64	0.70	92.01
	Ant2	2452	0.64	0.69	93.72

Test Graphs

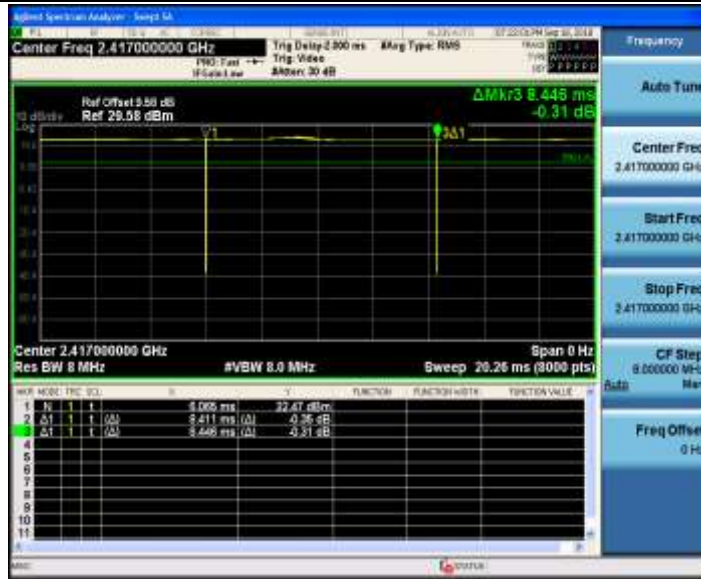
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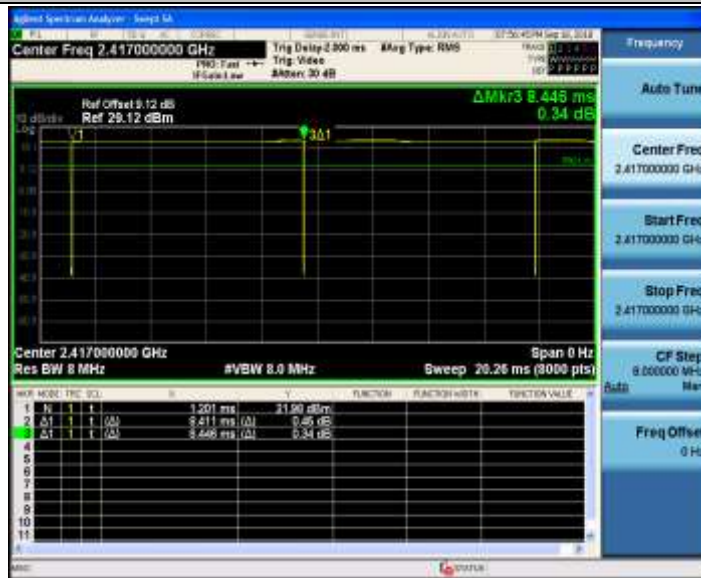
11B_Ant2_2412



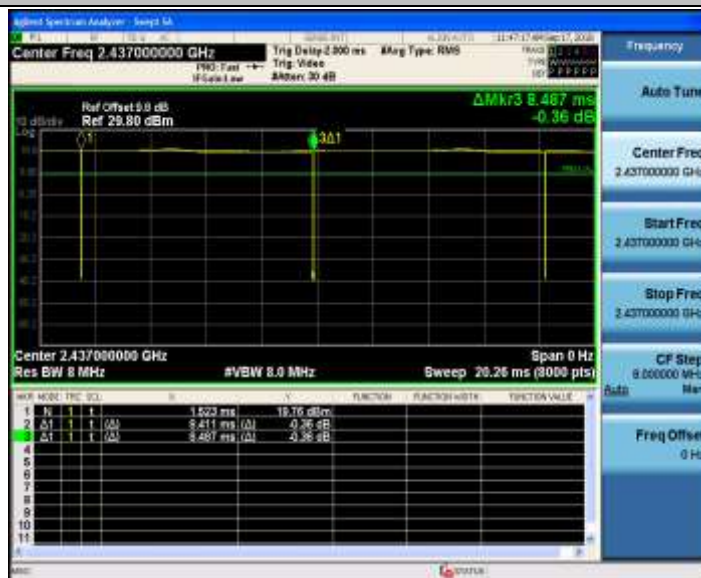
11B_Ant1_2417



11B_Ant2_2417

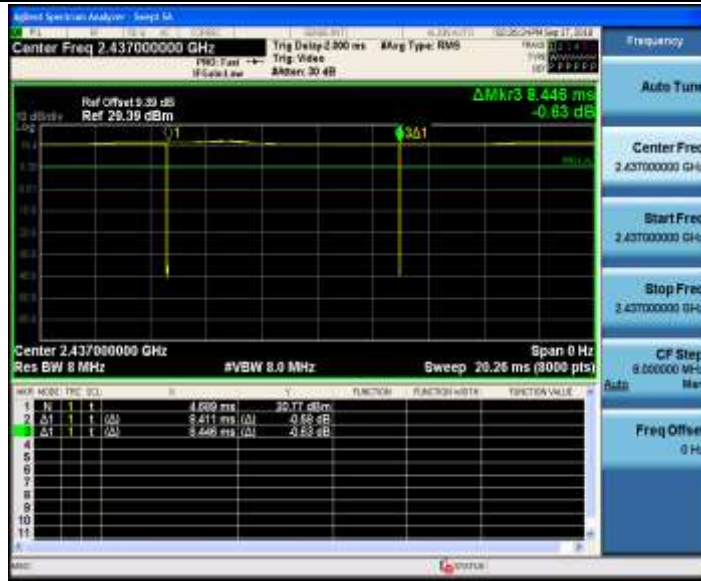


11B_Ant1_2437





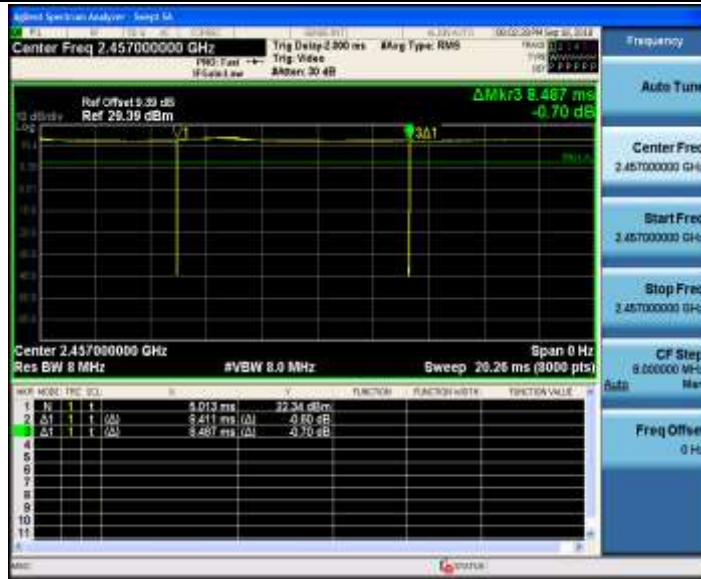
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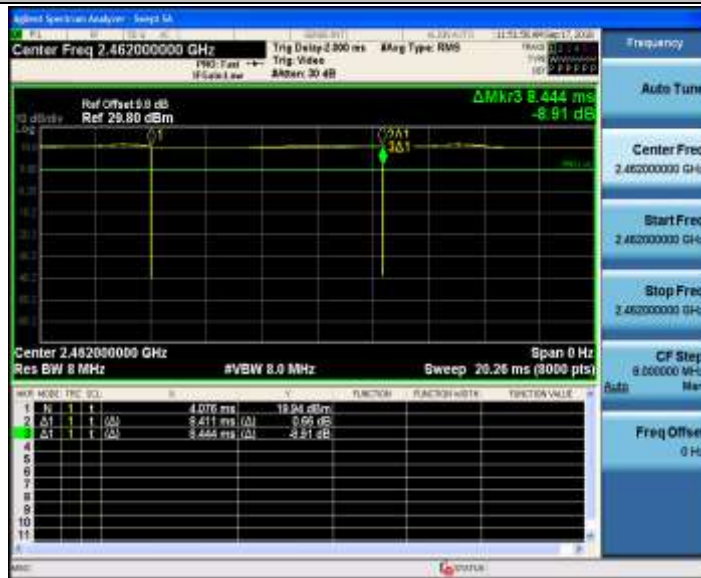
11B_Ant1_2457



11B_Ant2_2457



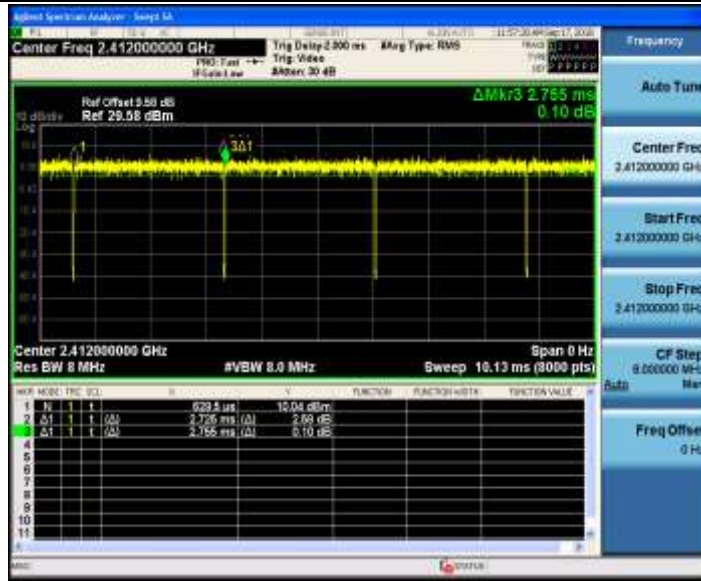
11B_Ant1_2462



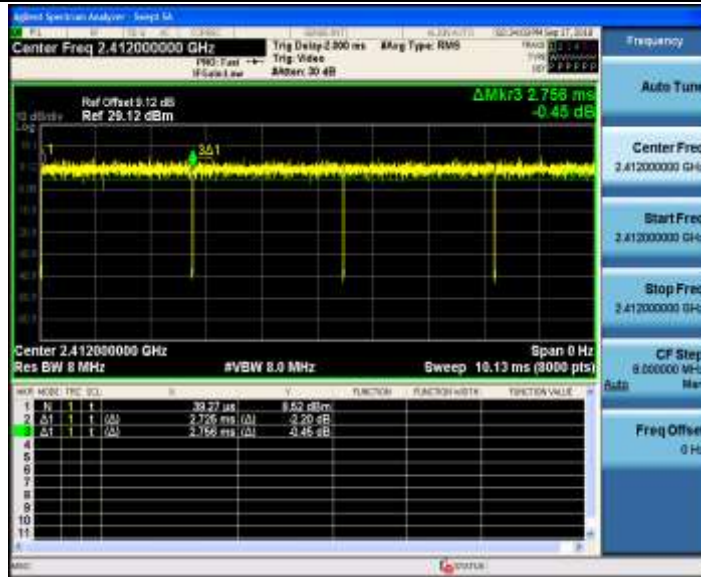
11B_Ant2_2462



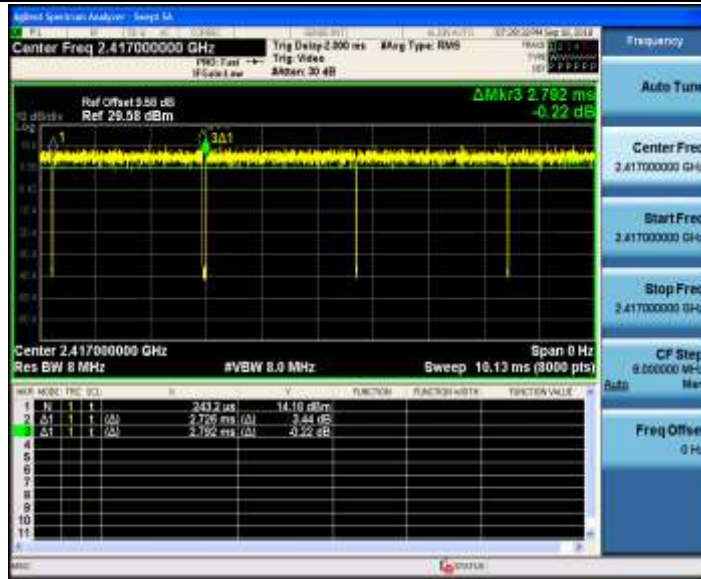
11G_Ant1_2412



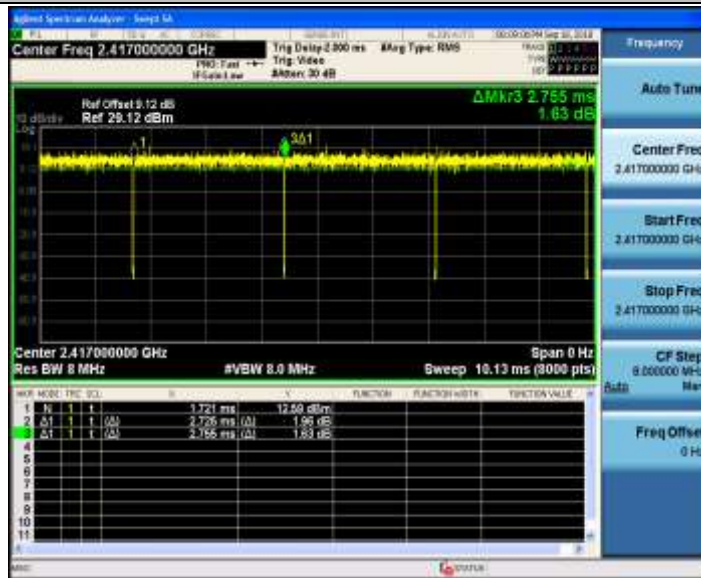
11G_Ant2_2412



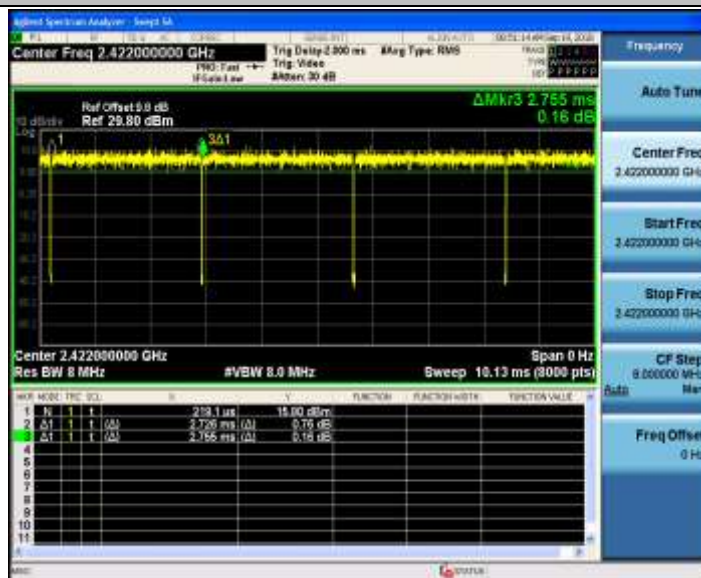
11G_Ant1_2417



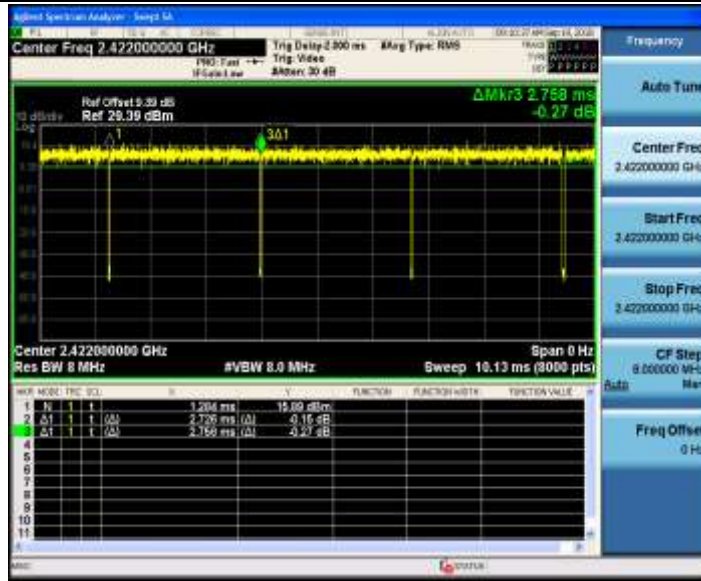
11G_Ant2_2417



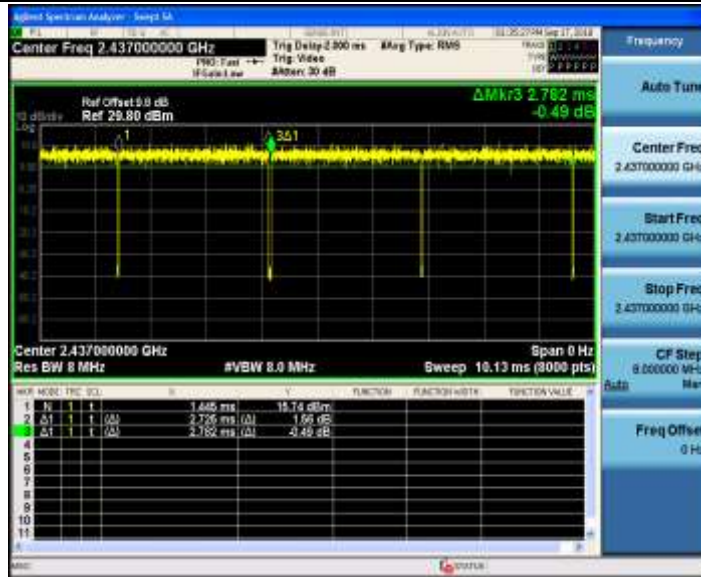
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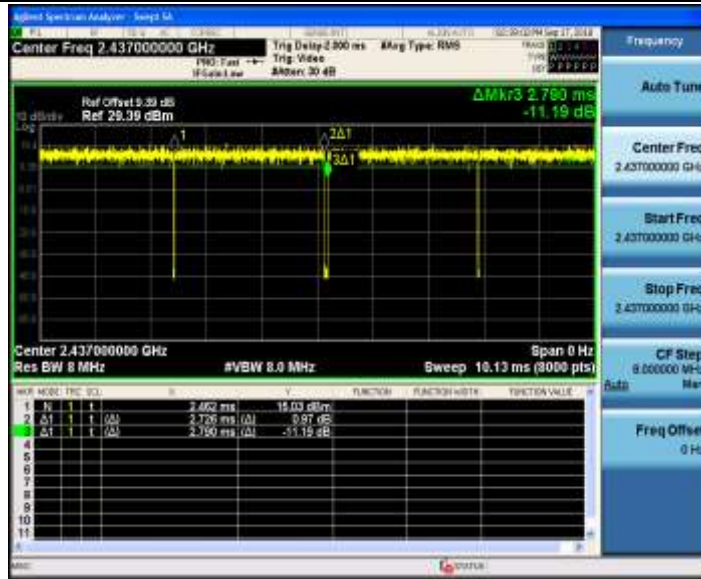
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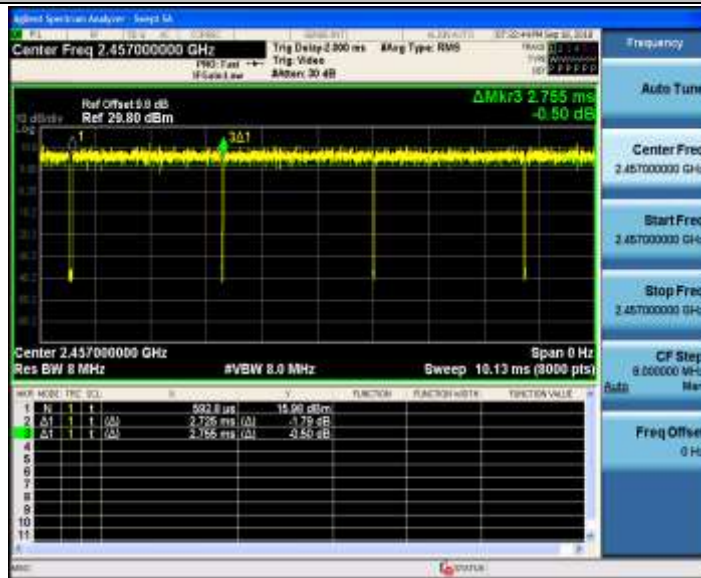
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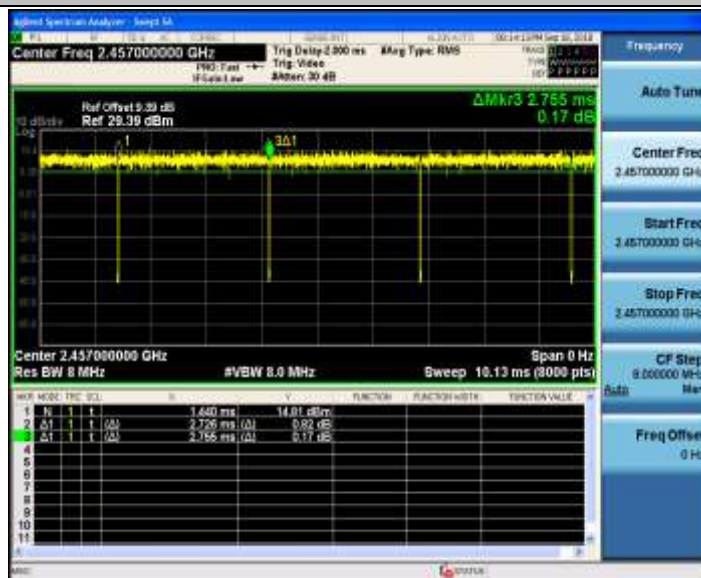
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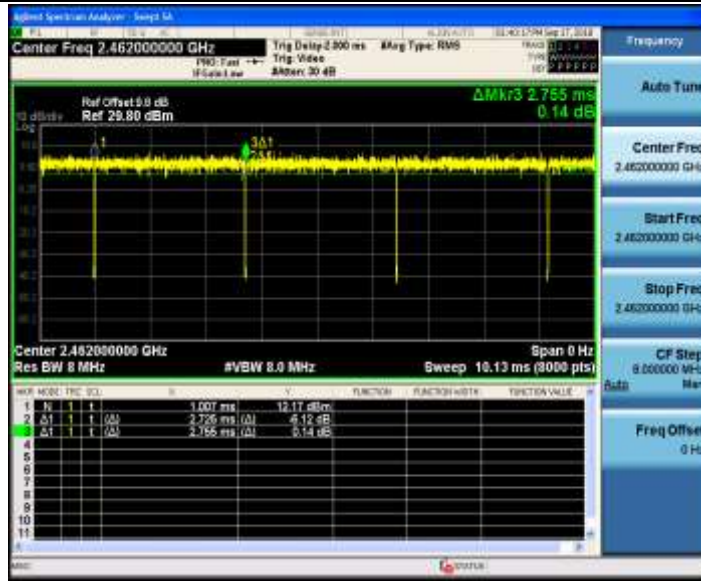
11G_Ant1_2457



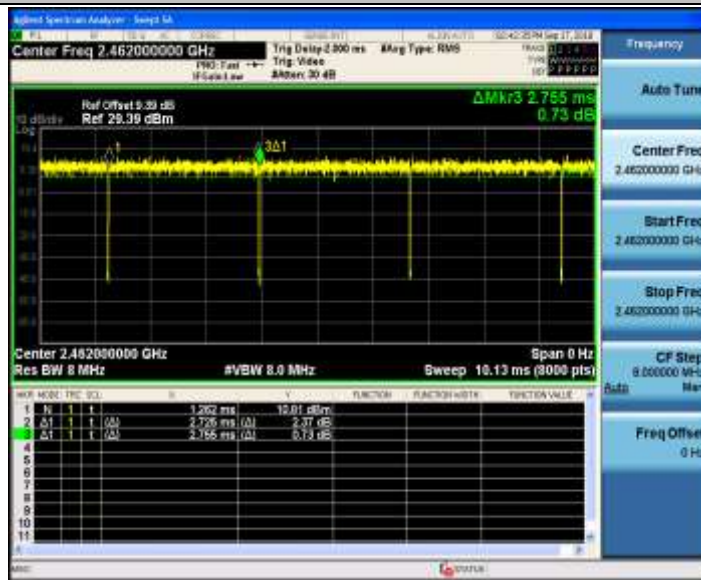
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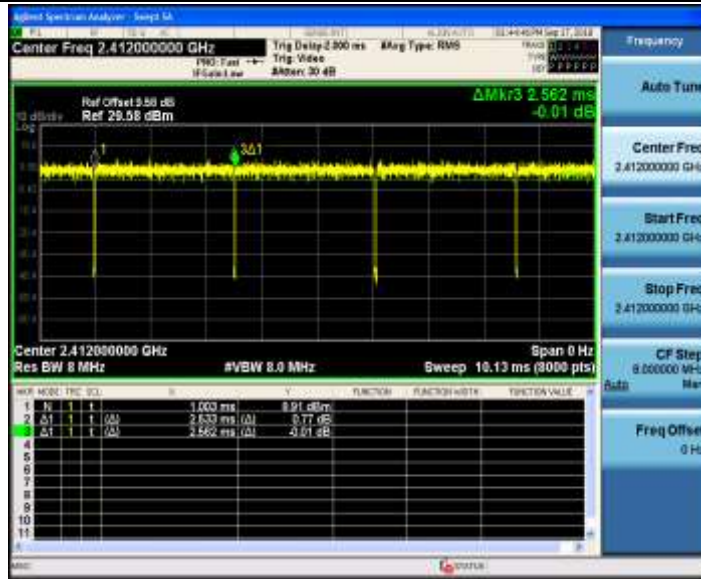
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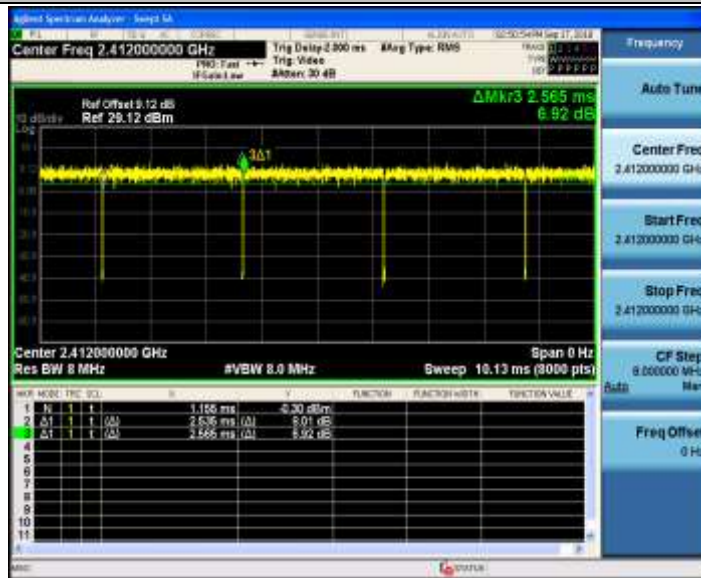
11G_Ant2_2462



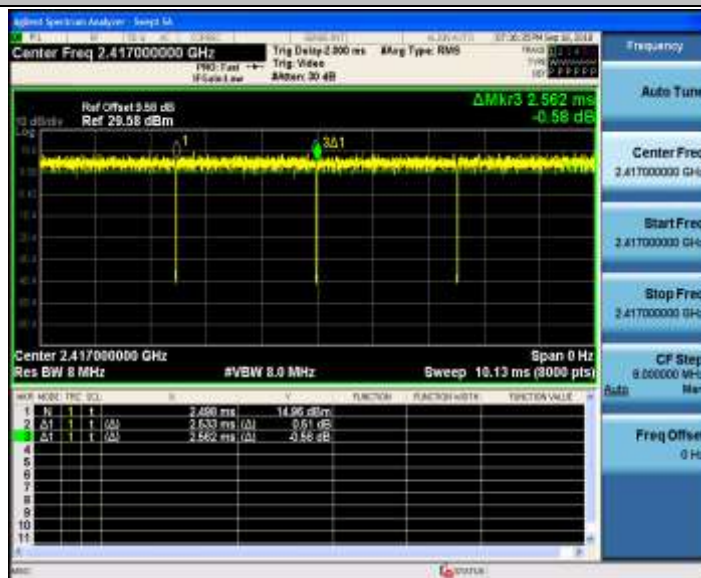
11N20SISO_Ant1_2412



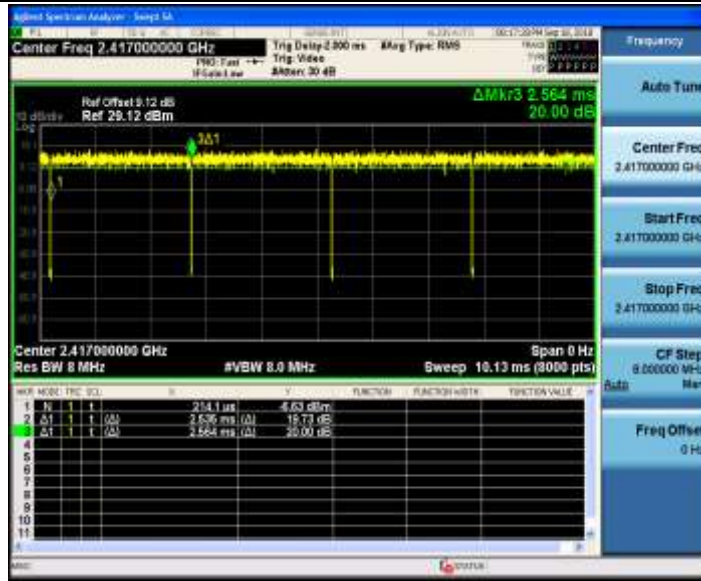
11N20SISO_Ant2_2412



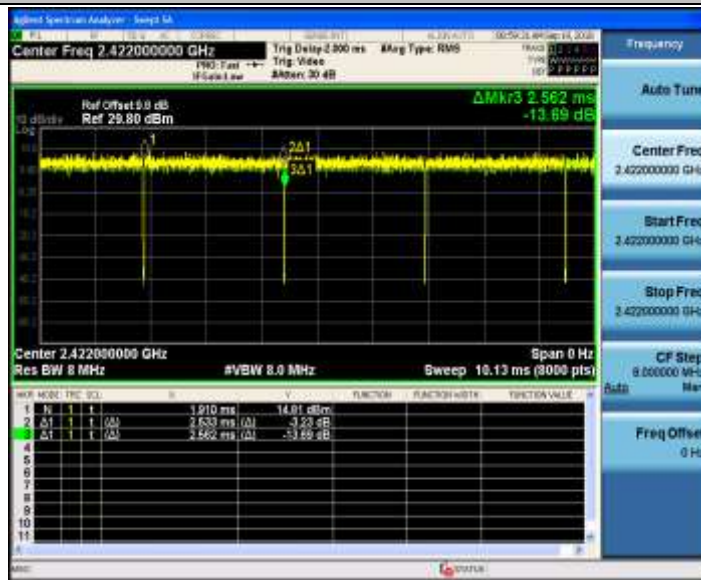
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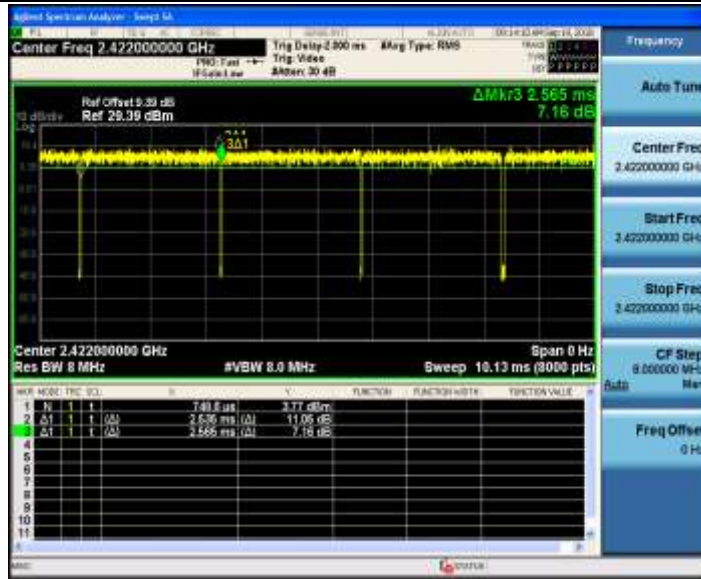
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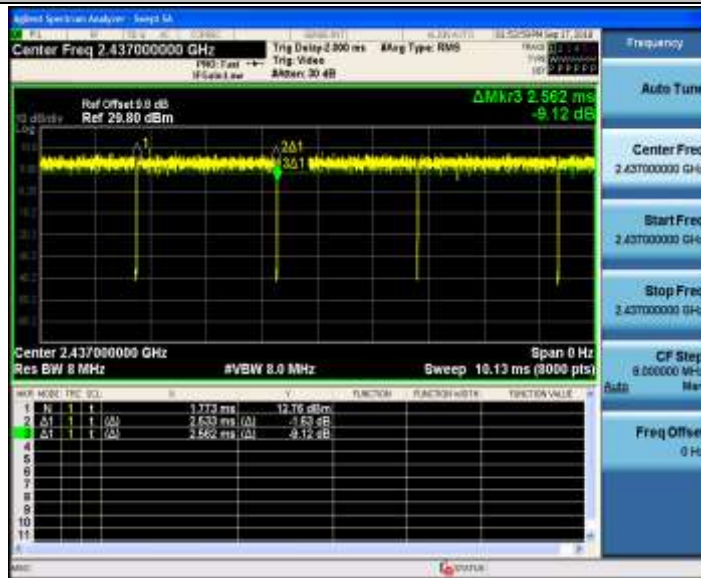
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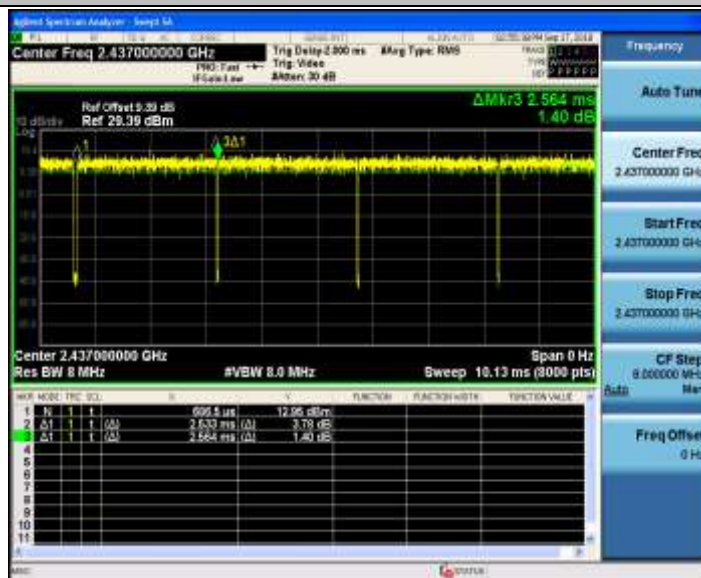
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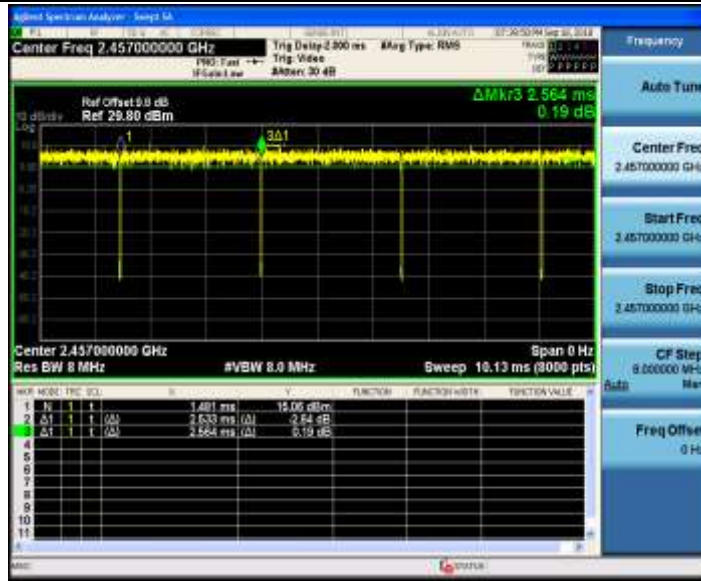
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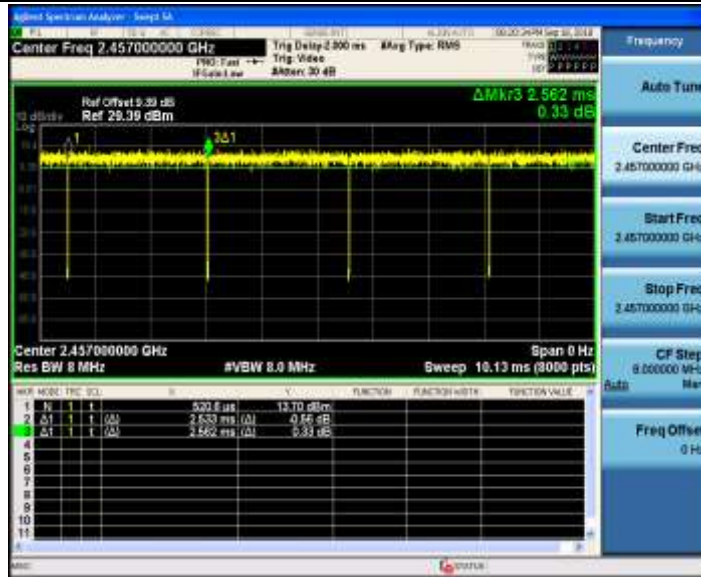
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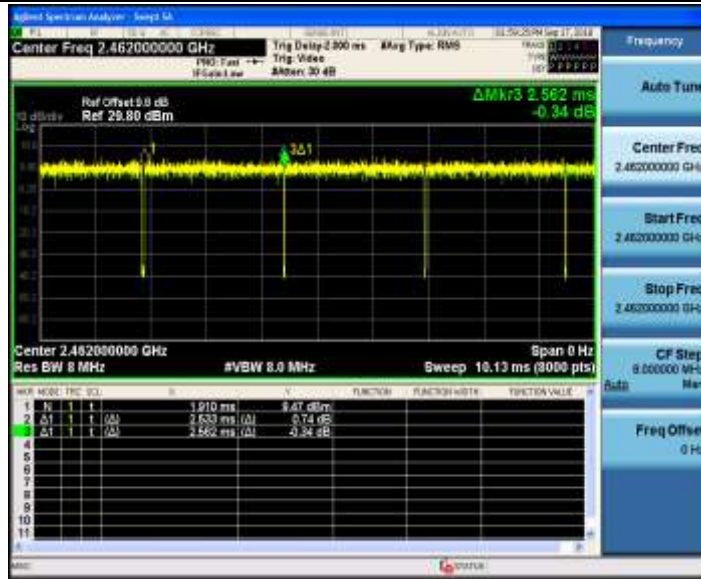
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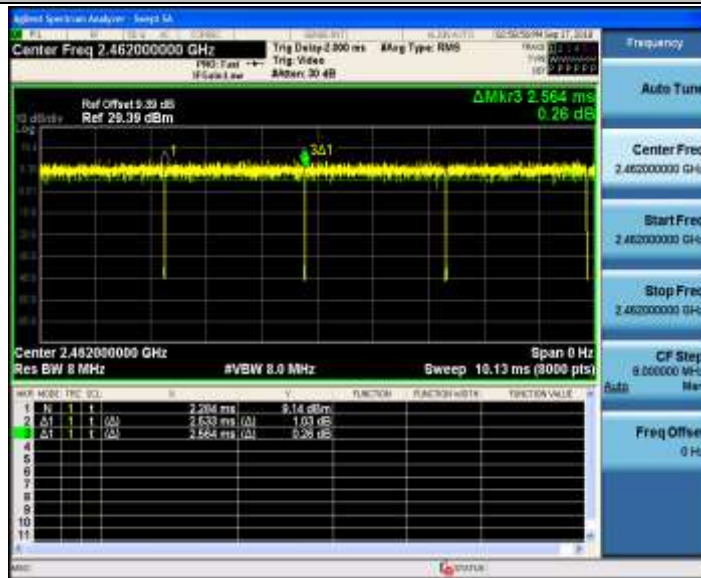
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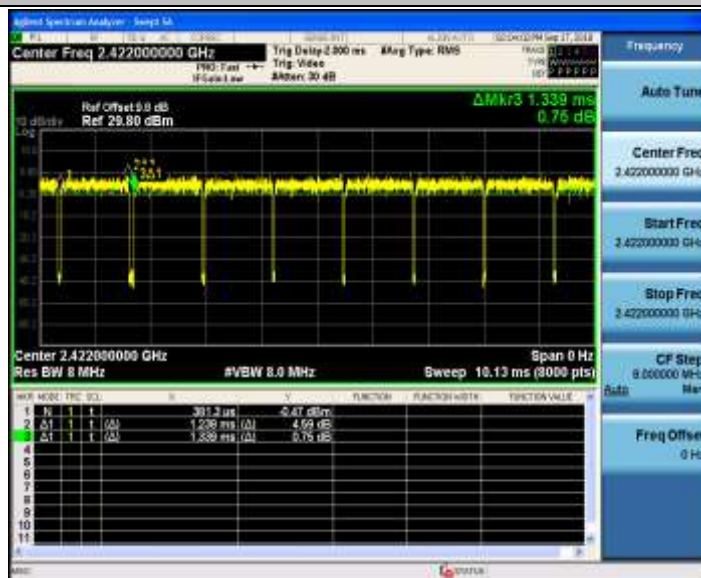
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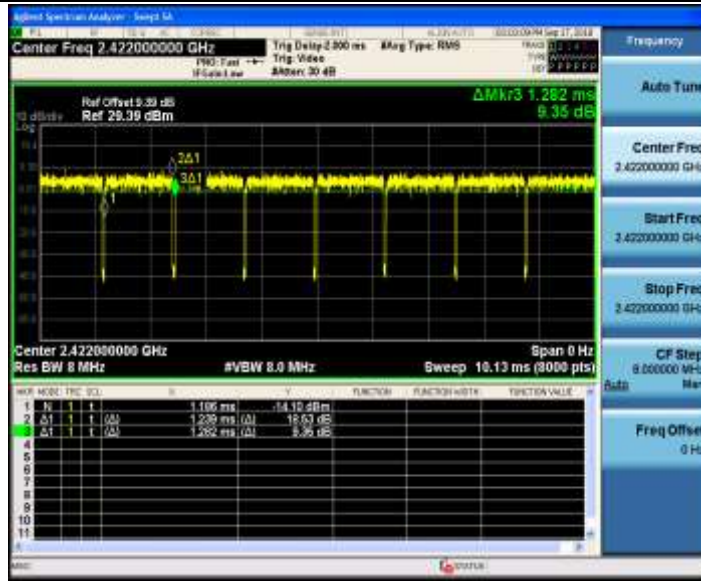
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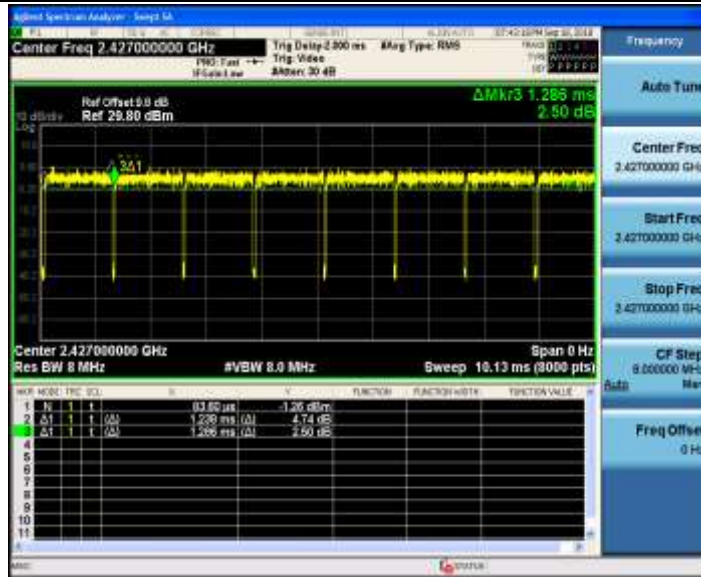
11N40SISO_Ant1_2422



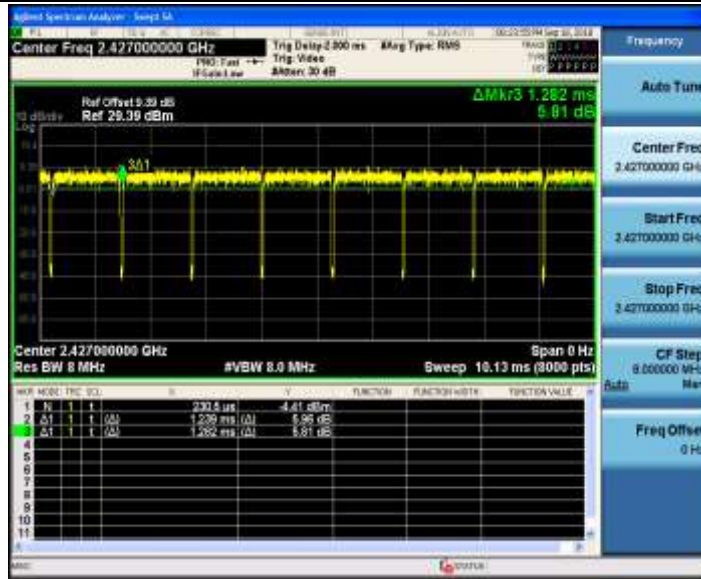
11N40SISO_Ant2_2422



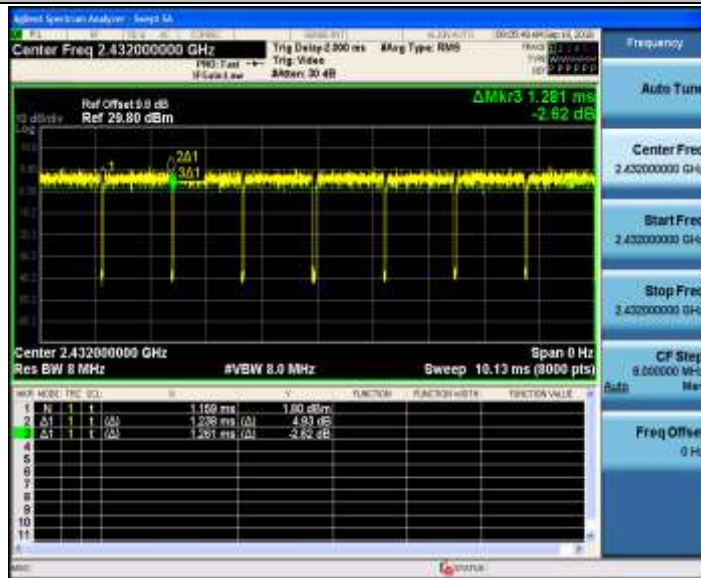
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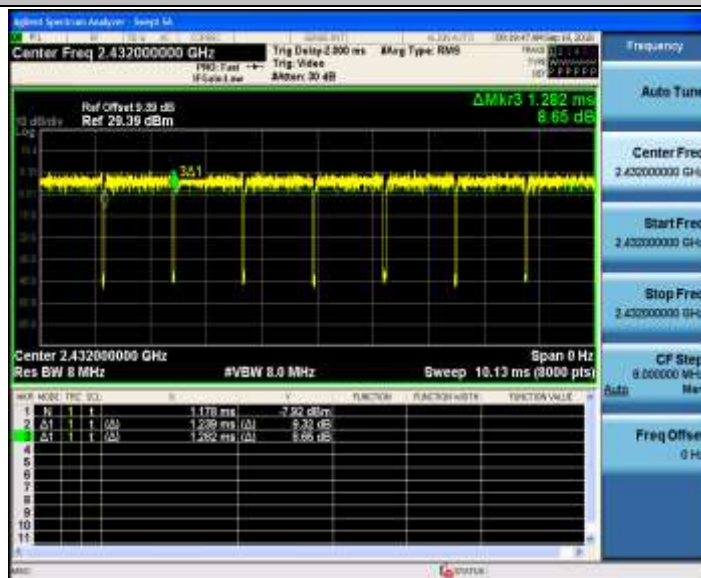
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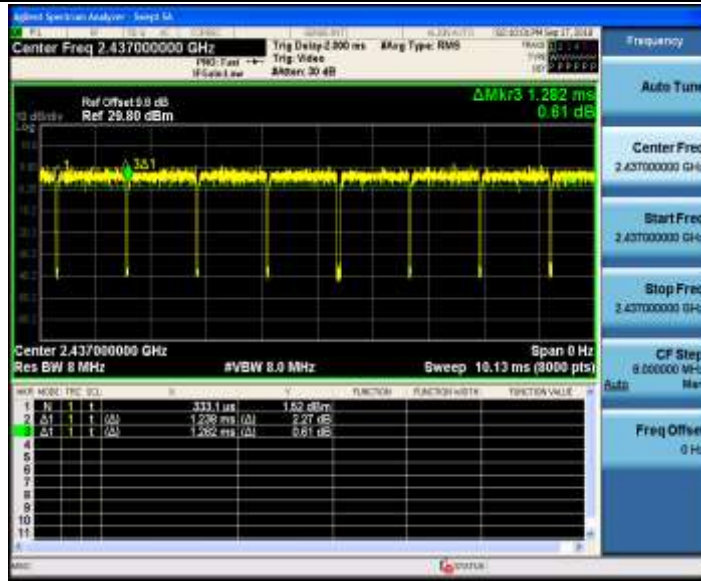
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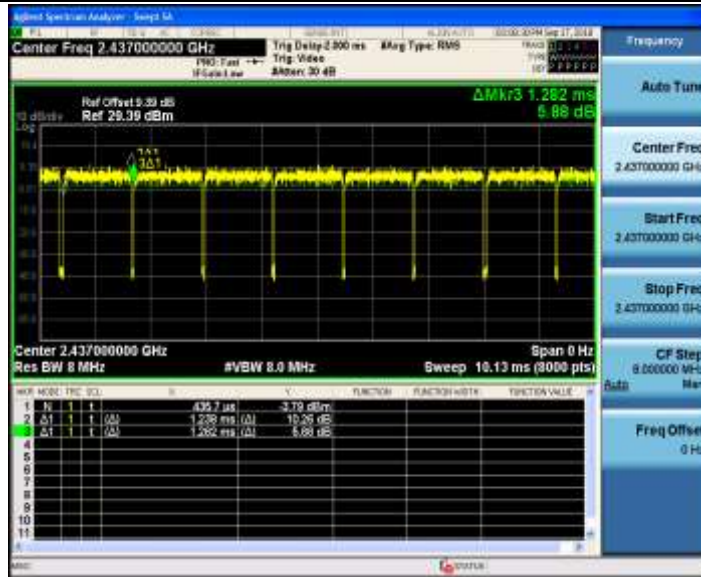
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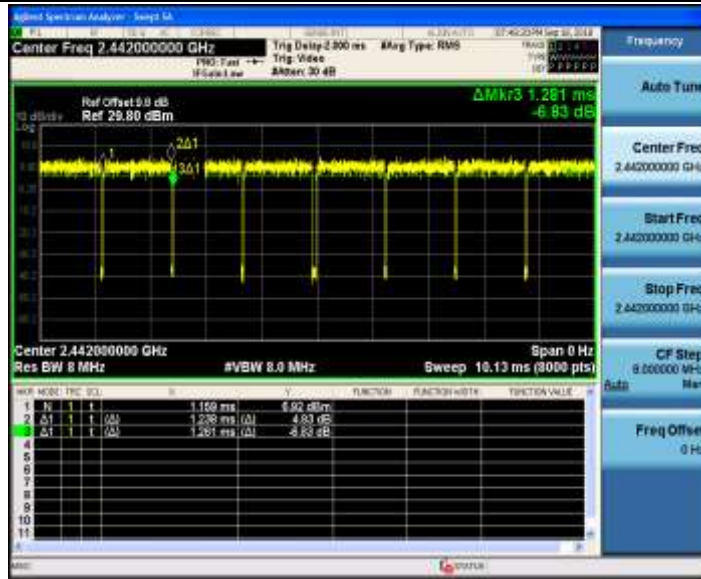
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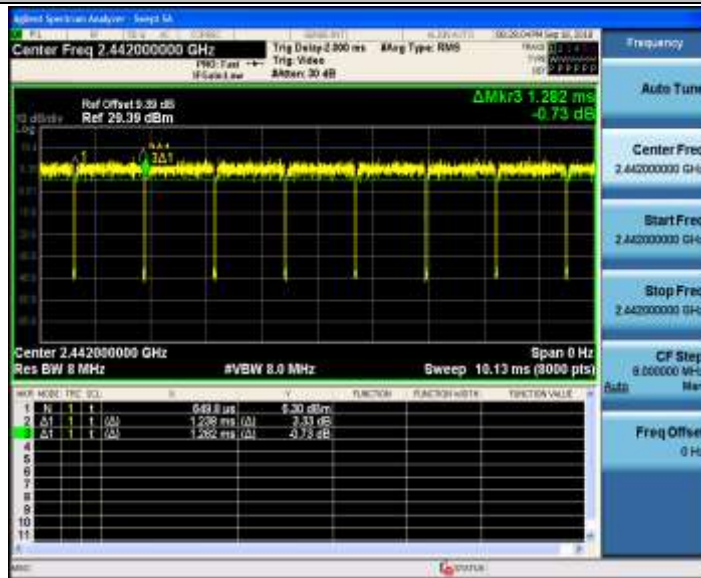
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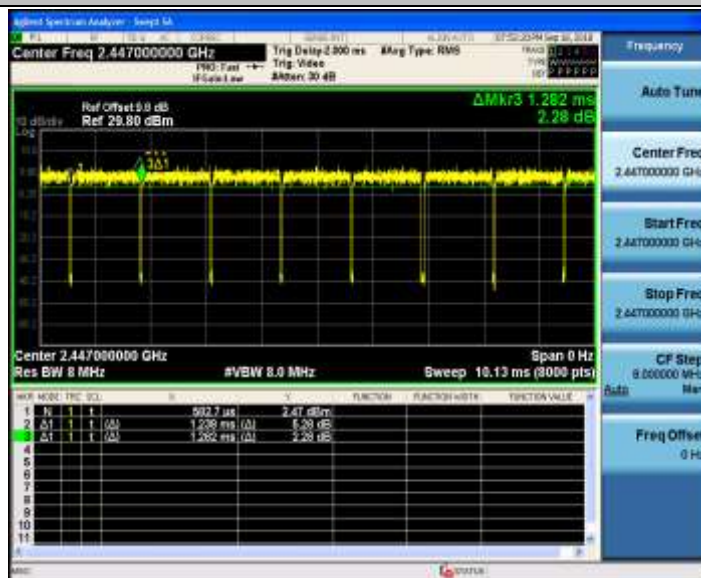
11N40SISO_Ant1_2442



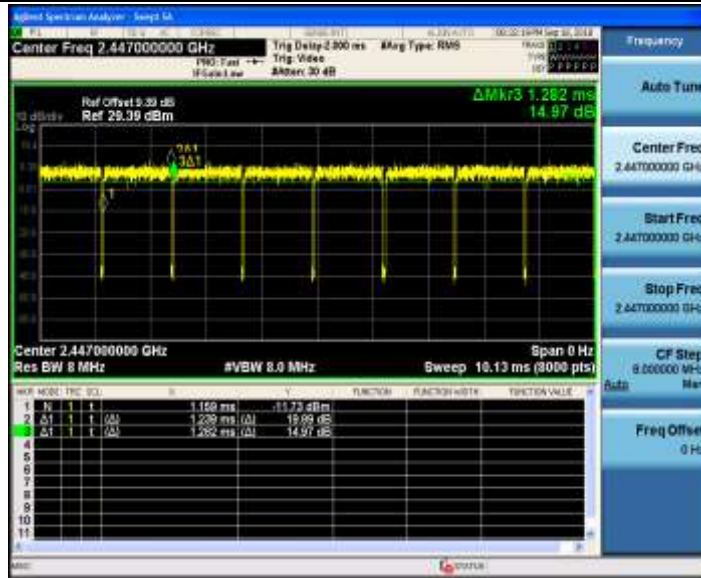
11N40SISO_Ant2_2442



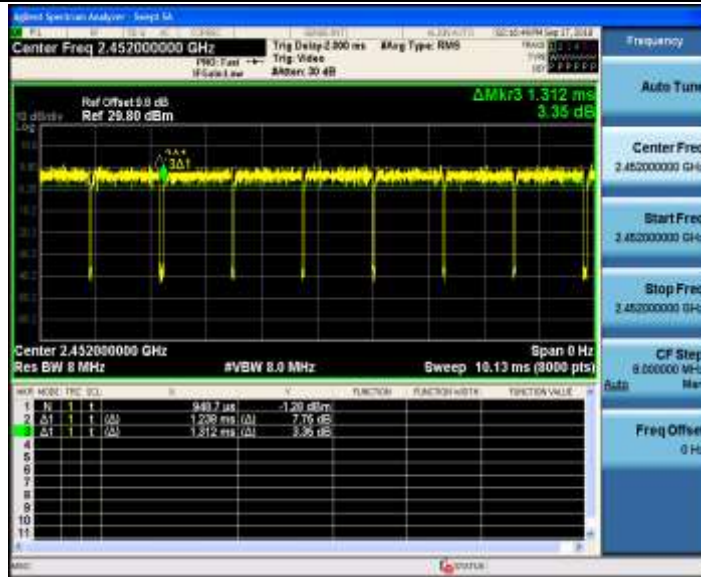
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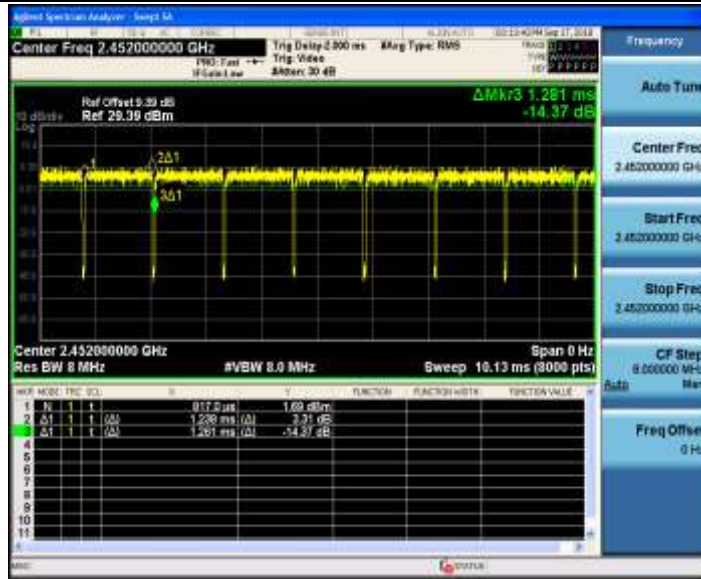
11N40SISO_Ant2_2447



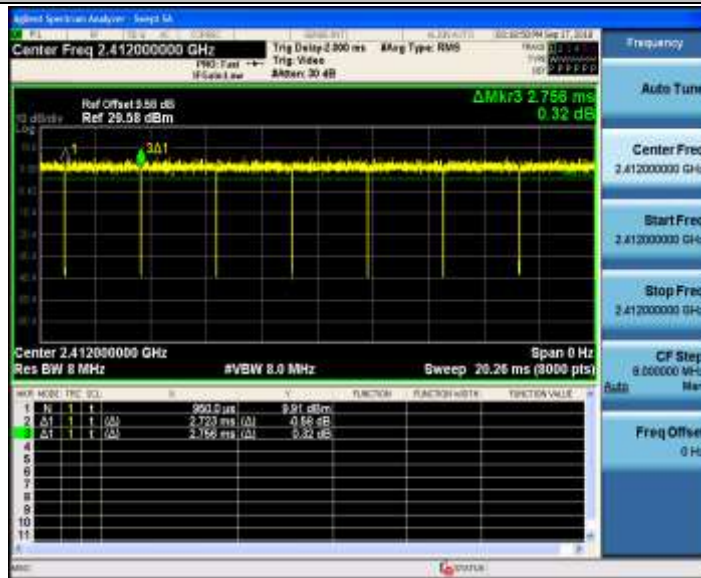
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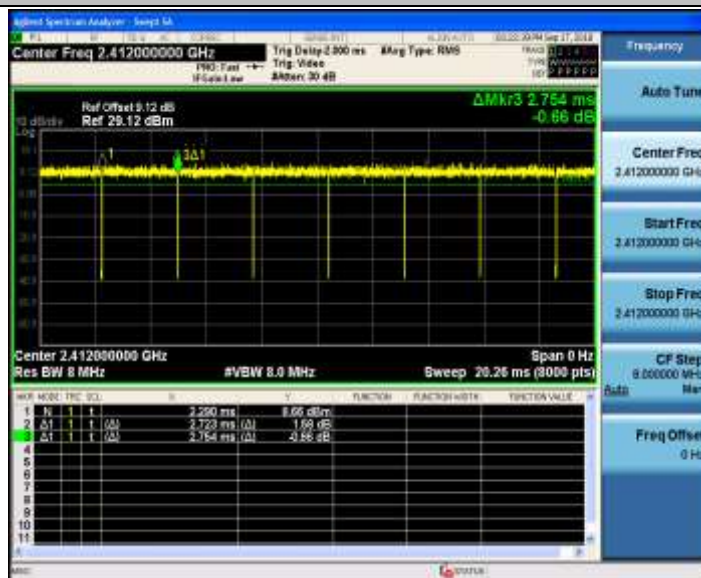
11N40SISO_Ant2_2452



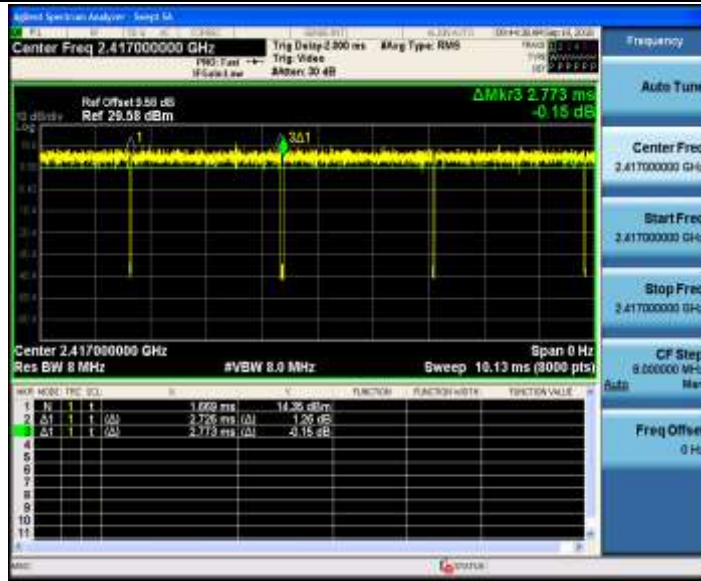
11G-CDD_Ant1_2412



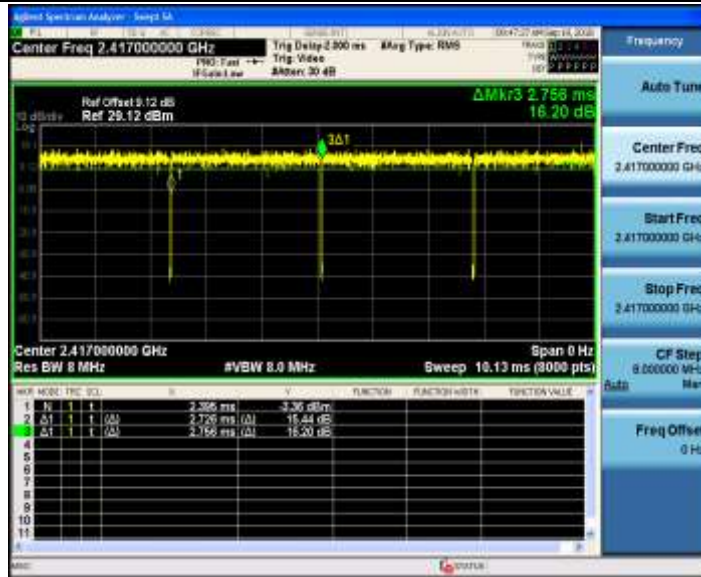
11G-CDD_Ant2_2412



11G-CDD_Ant1_2417



11G-CDD_Ant2_2417



11G-CDD_Ant1_2422