



Appendix for Test report



Appendix A: DTS(6 dB) Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.640	2407.480	2416.120	---	PASS
		2437	7.680	2433.440	2441.120	---	PASS
		2462	8.160	2457.920	2466.080	---	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	---	PASS
		2417	16.440	2408.800	2425.240	---	PASS
		2437	16.520	2428.800	2445.320	---	PASS
		2457	16.400	2448.800	2465.200	---	PASS
		2462	16.440	2453.800	2470.240	---	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	---	PASS
		2417	17.680	2408.160	2425.840	---	PASS
		2437	17.720	2428.160	2445.880	---	PASS
		2457	17.640	2448.200	2465.840	---	PASS
		2462	17.680	2453.160	2470.840	---	PASS
11N40SISO	Ant1	2422	36.000	2404.000	2440.000	---	PASS
		2427	35.840	2409.000	2444.840	---	PASS
		2437	35.600	2419.400	2455.000	---	PASS
		2447	34.160	2430.680	2464.840	---	PASS
		2452	34.000	2435.600	2469.600	---	PASS



Test Graphs

11B_Ant1_2412



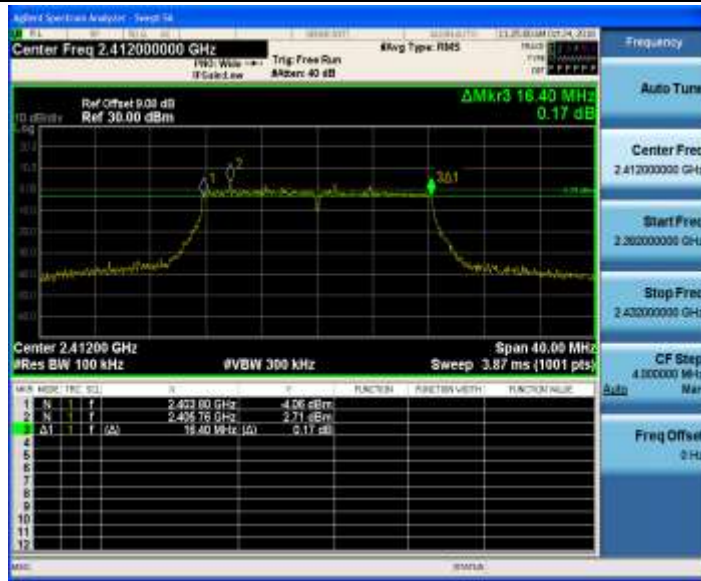
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2417



11G_Ant1_2437



11G_Ant1_2457



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2417



11N20SISO_Ant1_2437



11N20SISO_Ant1_2457



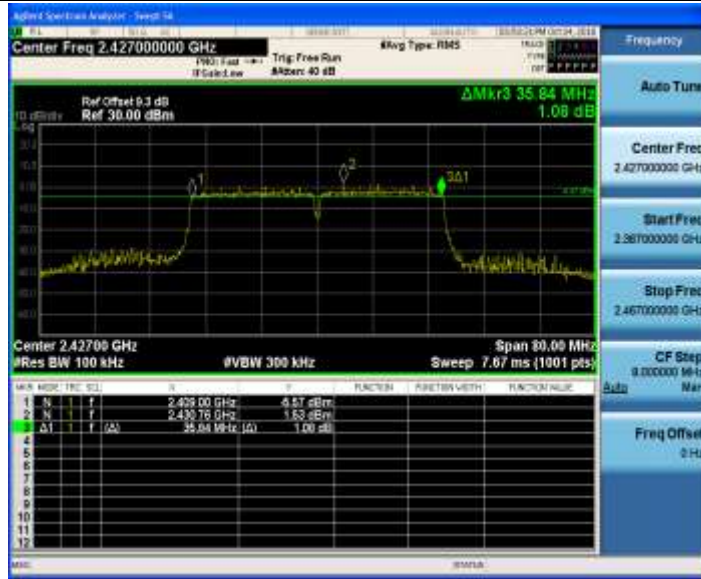
11N20SISO_Ant1_2462



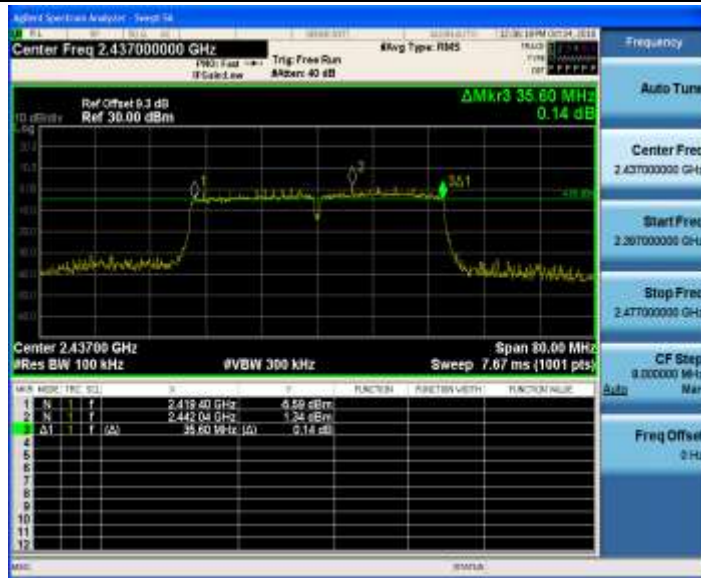
11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





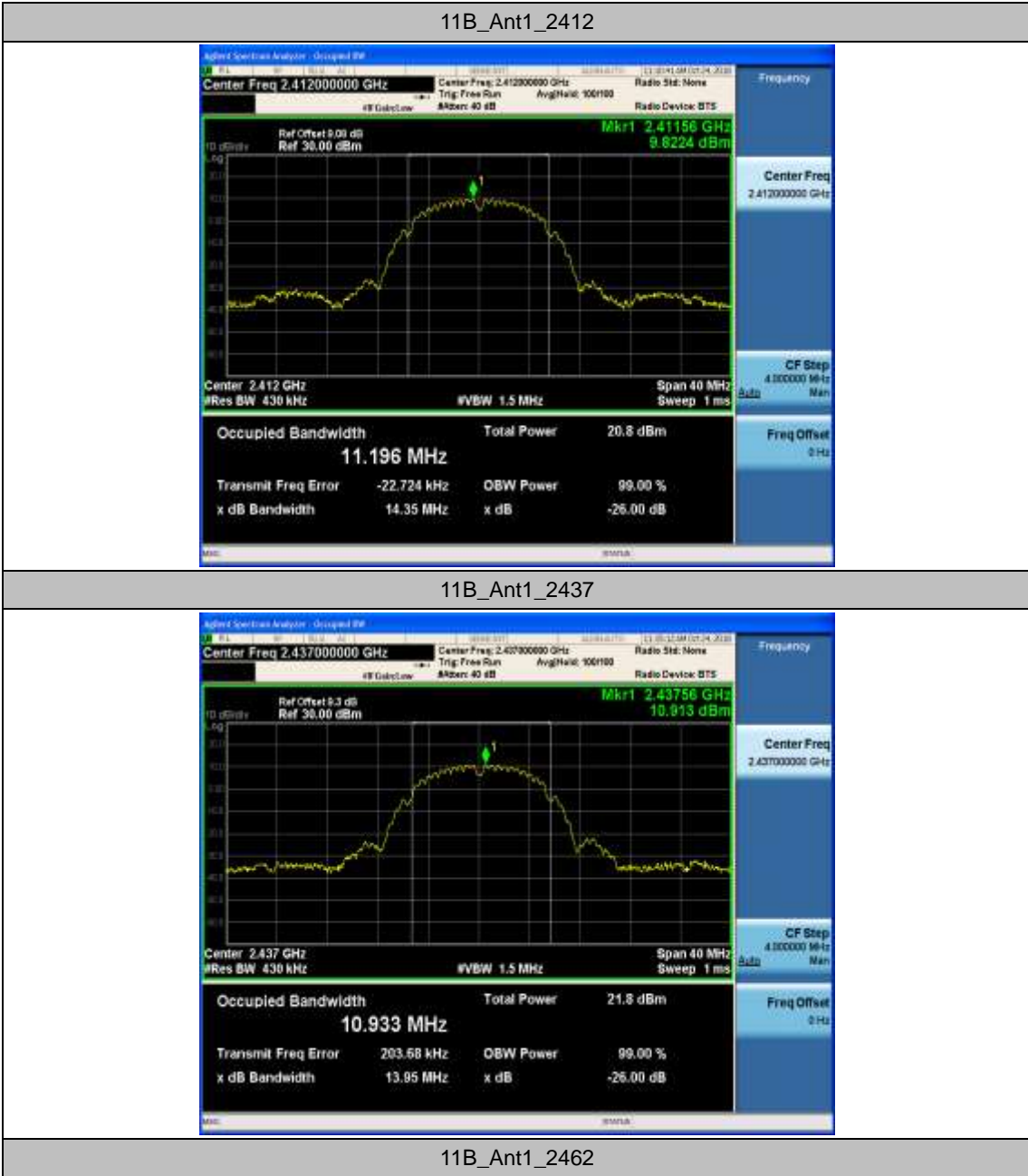
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.196	2406.379	2417.575	---	PASS
		2437	10.933	2431.737	2442.670	---	PASS
		2462	11.310	2456.298	2467.608	---	PASS
11G	Ant1	2412	16.778	2403.660	2420.438	---	PASS
		2417	16.874	2408.551	2425.425	---	PASS
		2437	16.746	2428.754	2445.500	---	PASS
		2457	16.729	2448.638	2465.367	---	PASS
		2462	16.774	2453.648	2470.422	---	PASS
11N20SISO	Ant1	2412	17.782	2403.141	2420.923	---	PASS
		2417	17.806	2408.118	2425.924	---	PASS
		2437	17.799	2428.216	2446.015	---	PASS
		2457	17.726	2448.169	2465.895	---	PASS
		2462	17.735	2453.156	2470.891	---	PASS
11N40SISO	Ant1	2422	36.166	2403.997	2440.163	---	PASS
		2427	36.094	2409.072	2445.166	---	PASS
		2437	36.054	2419.168	2455.222	---	PASS
		2447	35.785	2429.251	2465.036	---	PASS
		2452	35.834	2434.180	2470.014	---	PASS



Test Graphs

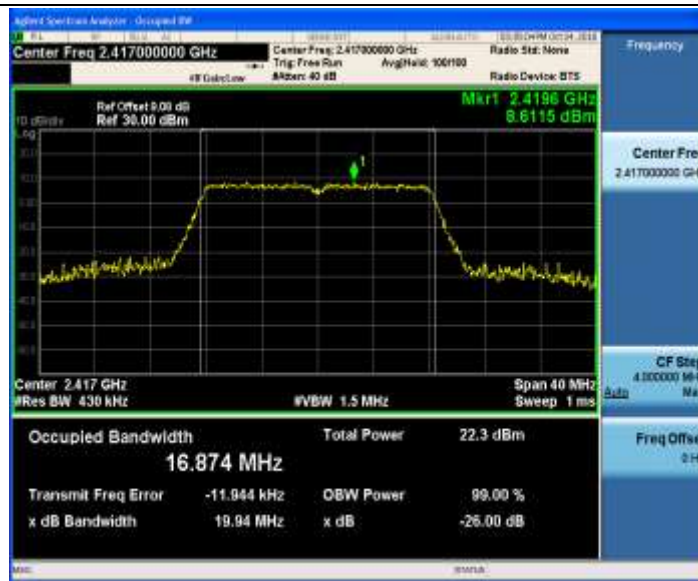




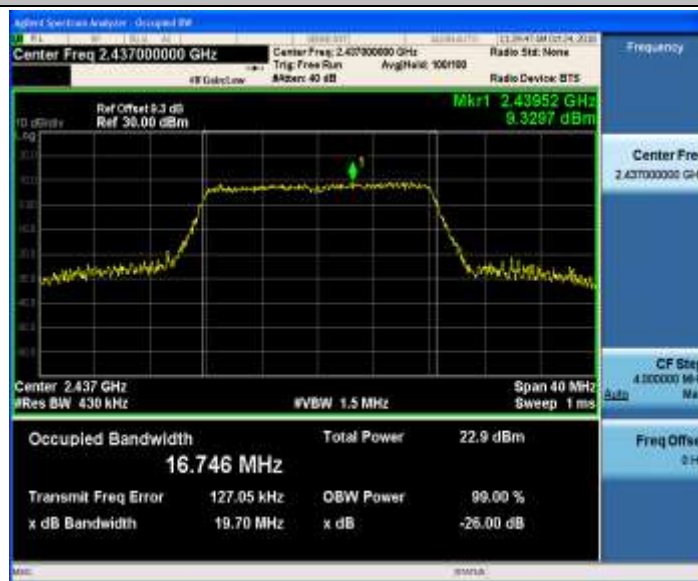
11G_Ant1_2412



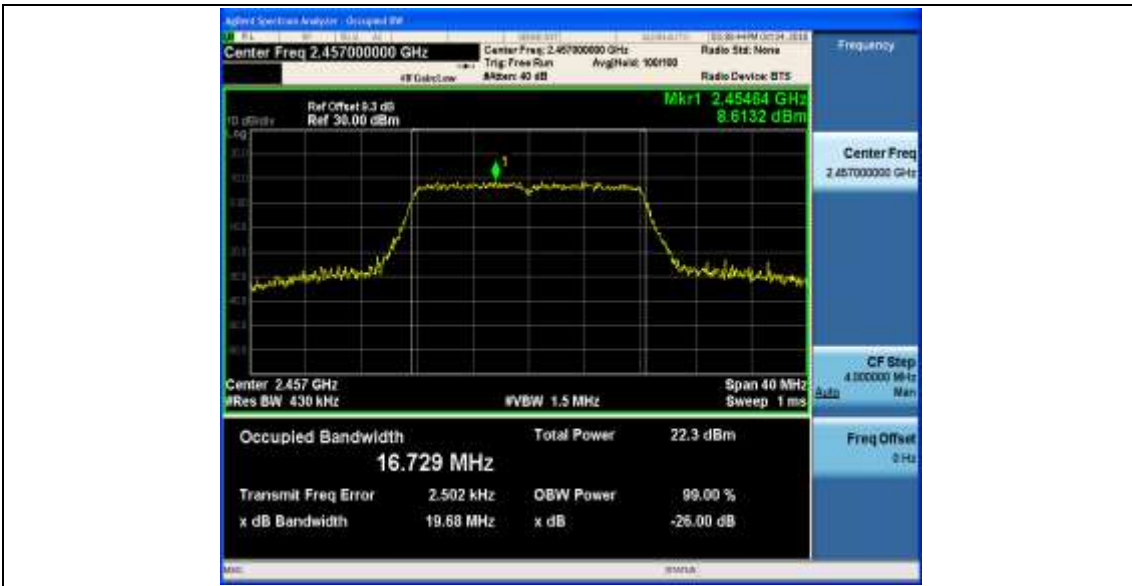
11G_Ant1_2417



11G_Ant1_2437



11G_Ant1_2457



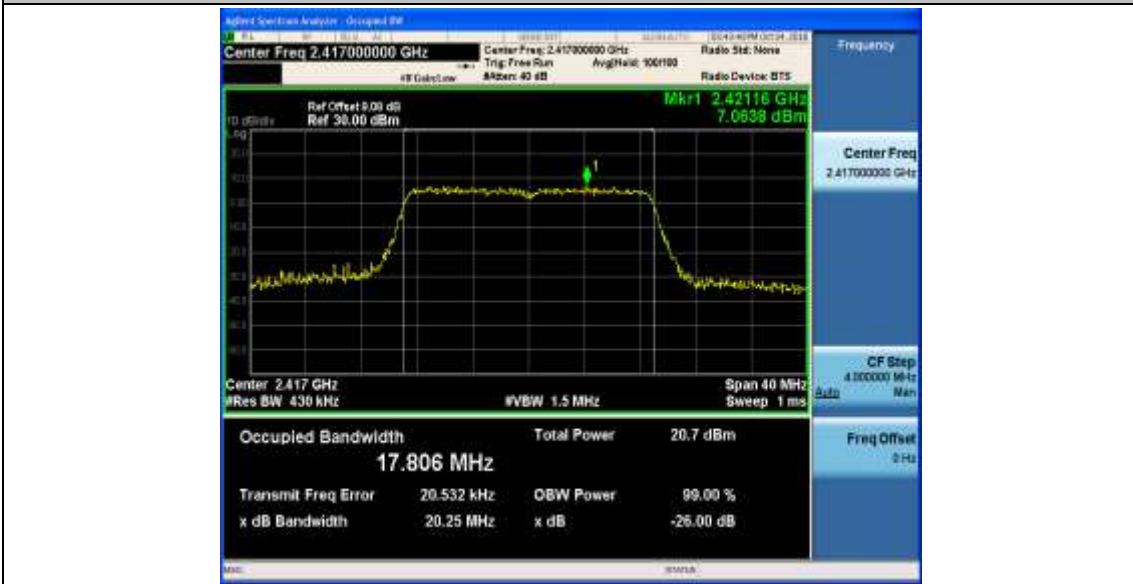
11G_Ant1_2462



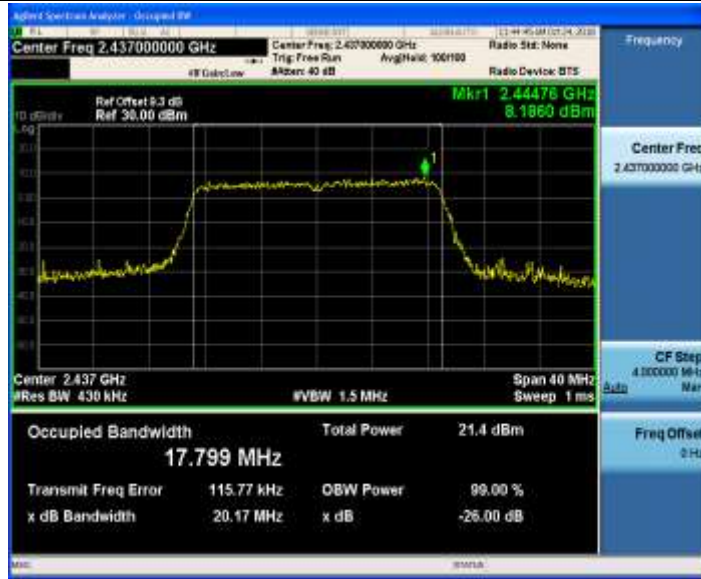
11N20SISO_Ant1_2412



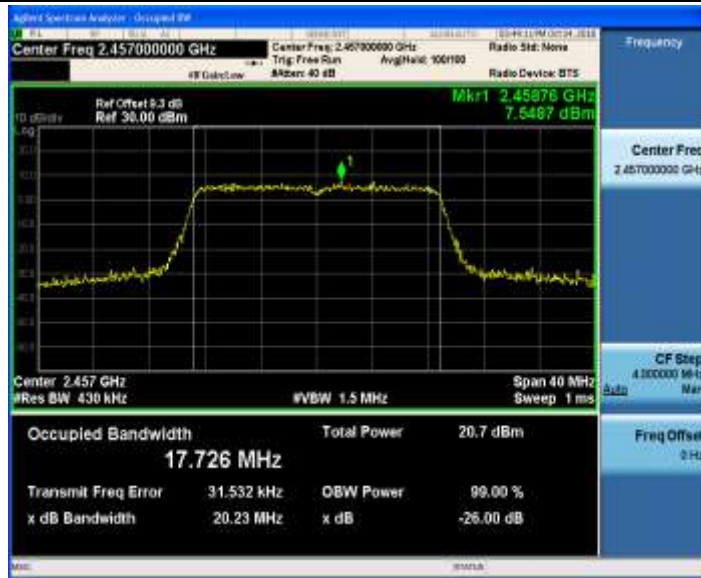
11N20SISO_Ant1_2417



11N20SISO_Ant1_2437



11N20SISO_Ant1_2457



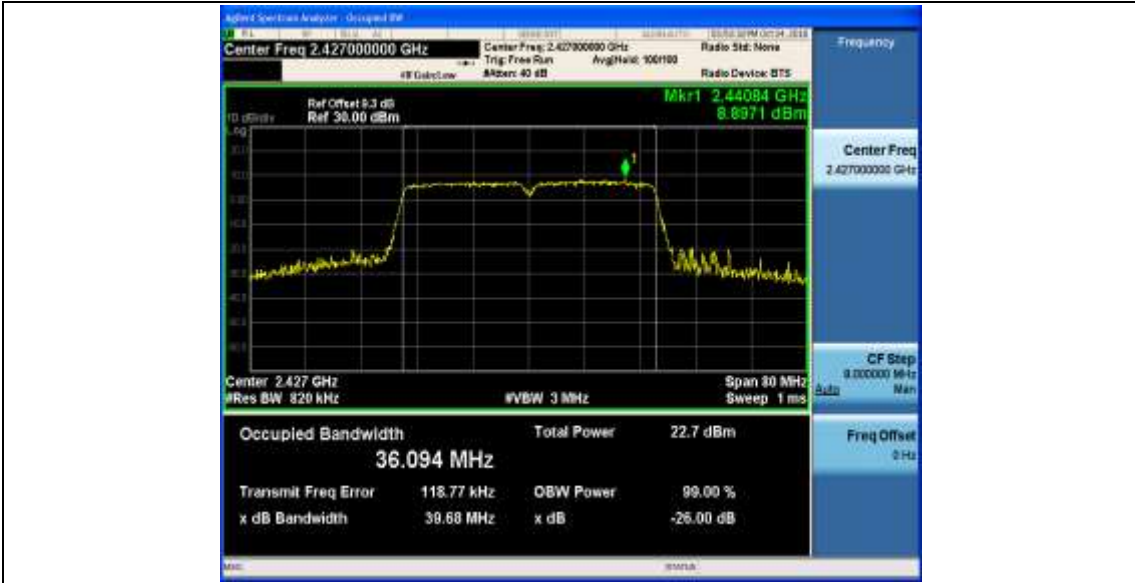
11N20SISO_Ant1_2462



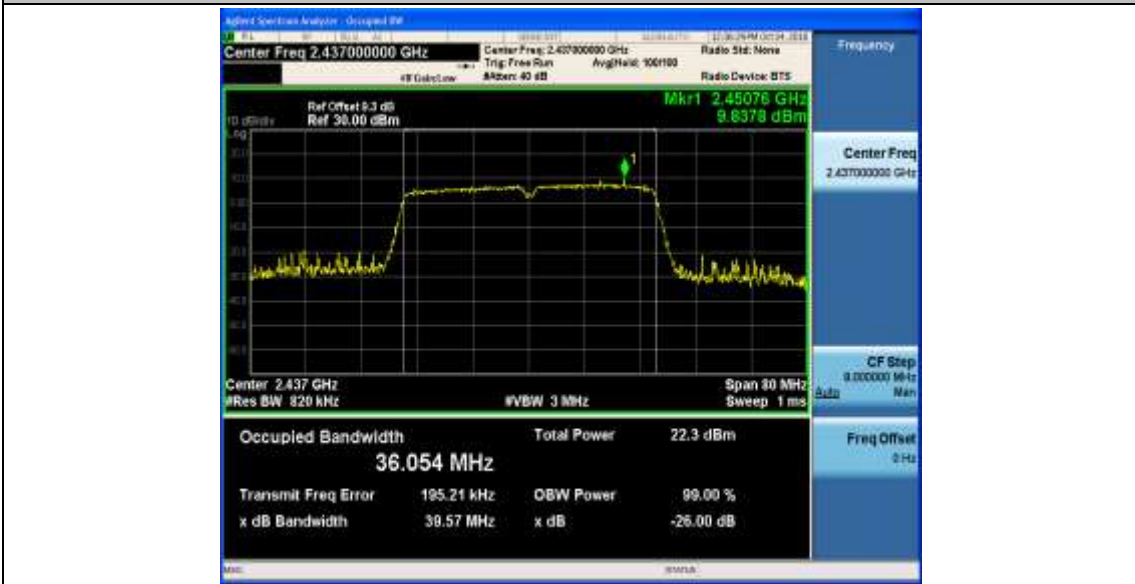
11N40SISO_Ant1_2422



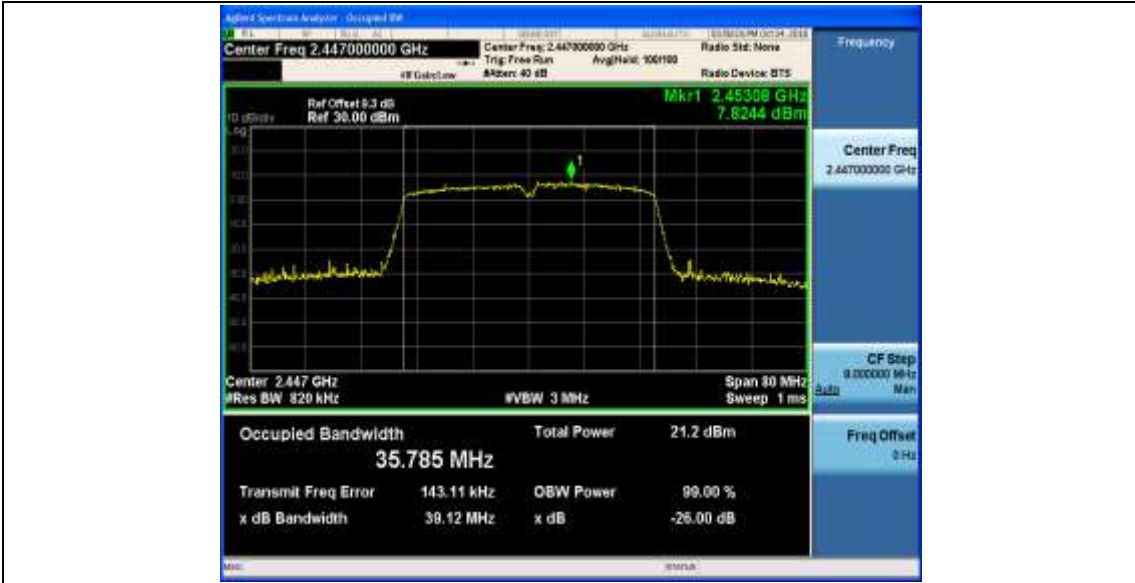
11N40SISO_Ant1_2427



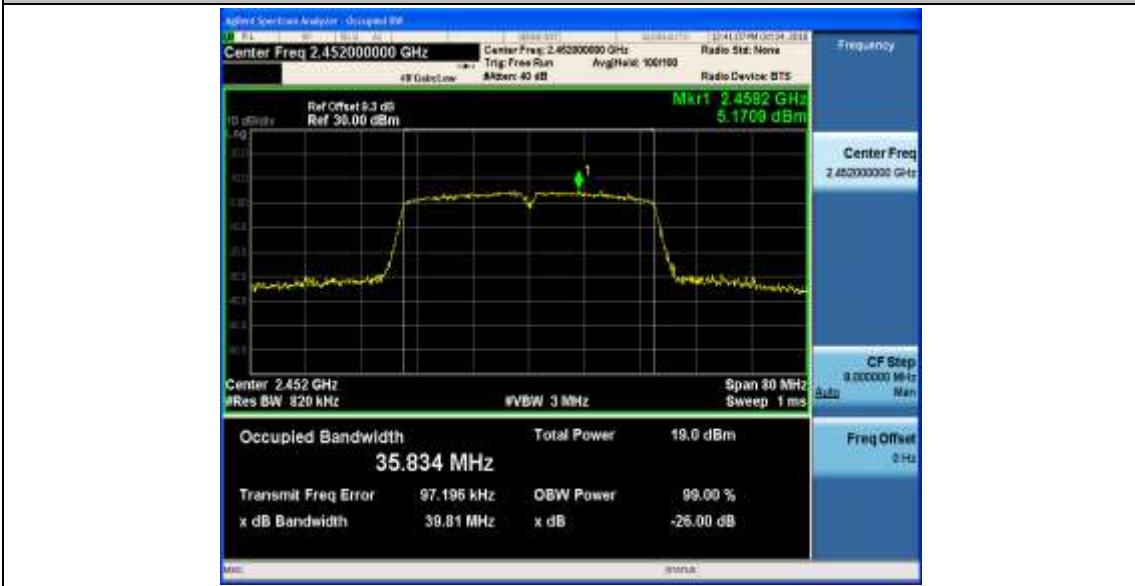
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





Appendix C: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.60	8.65	99.47
		2437	8.60	8.65	99.47
		2462	8.60	8.65	99.47
11G	Ant1	2412	2.06	2.11	97.66
		2417	2.06	2.11	97.66
		2437	2.06	2.11	97.72
		2457	2.06	2.11	97.72
		2462	2.06	2.11	97.72
11N20SISO	Ant1	2412	2.59	2.64	98.18
		2417	2.59	2.64	98.18
		2437	2.59	2.64	98.18
		2457	2.59	2.64	98.18
		2462	2.59	2.64	98.13
11N40SISO	Ant1	2422	1.27	1.31	96.43
		2427	1.27	1.31	96.43
		2437	1.27	1.31	96.43
		2447	1.27	1.31	96.43
		2452	1.27	1.31	96.43



Test Graphs

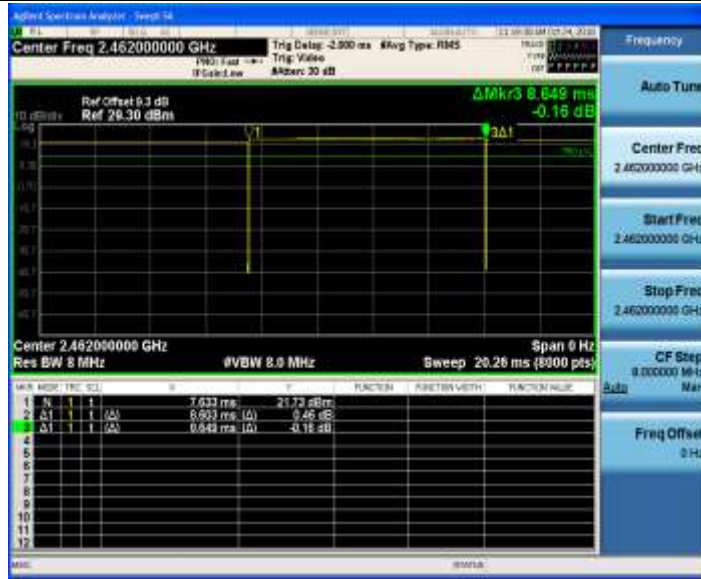
11B_Ant1_2412



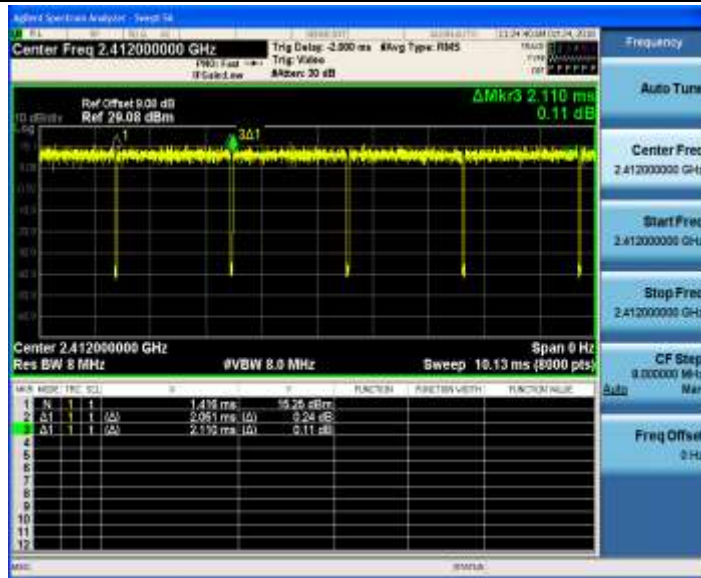
11B_Ant1_2437



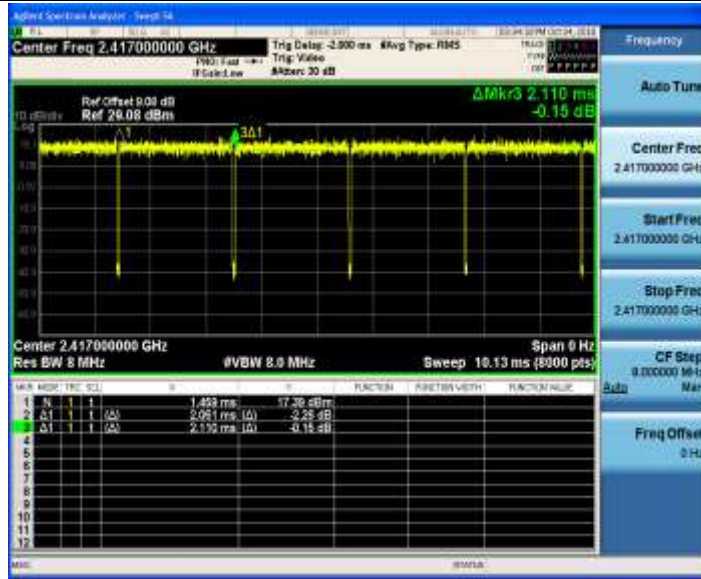
11B_Ant1_2462



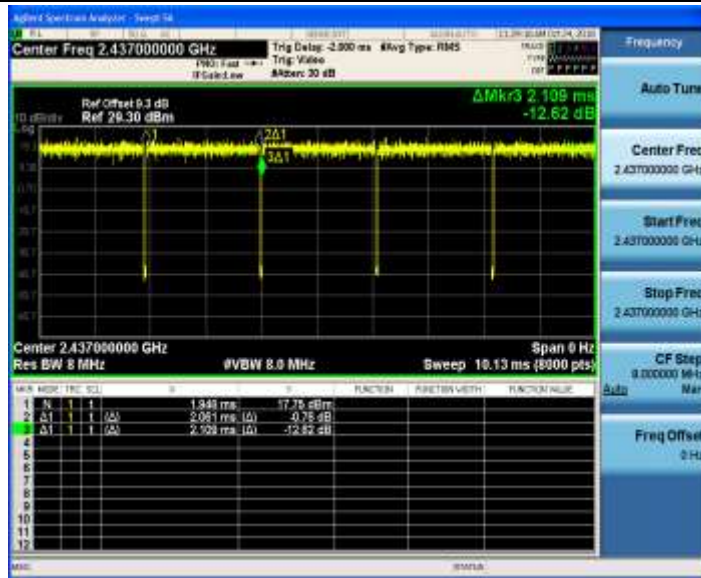
11G_Ant1_2412



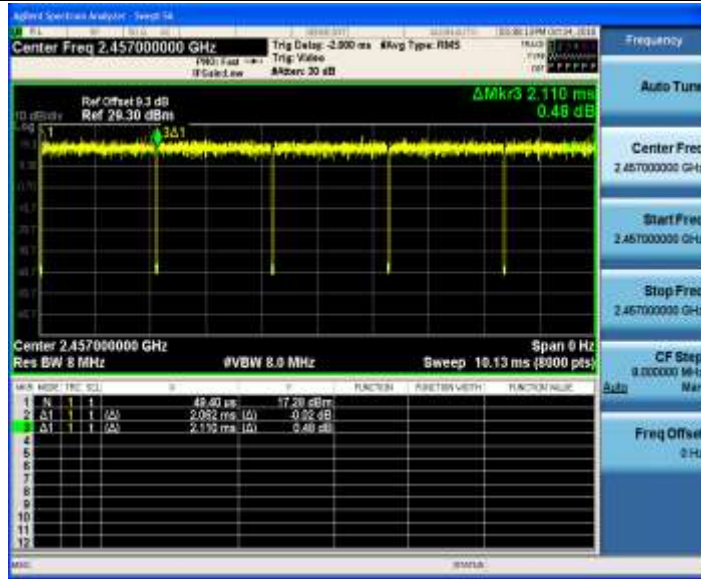
11G_Ant1_2417



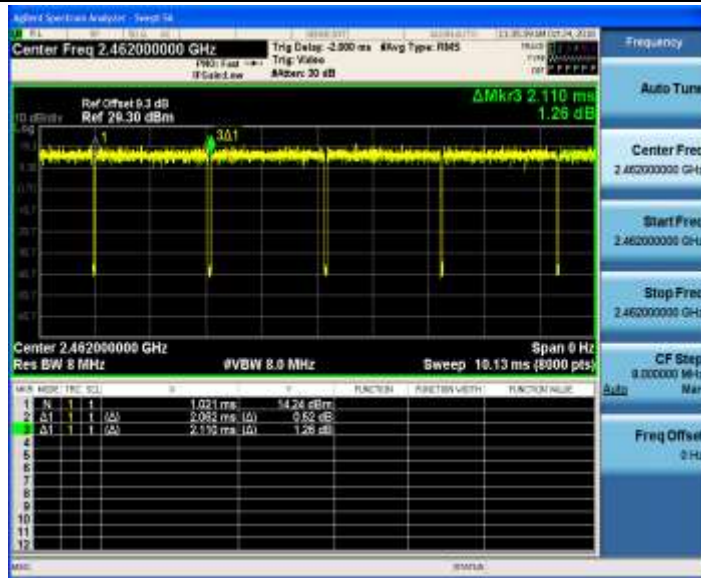
11G_Ant1_2437



11G_Ant1_2457



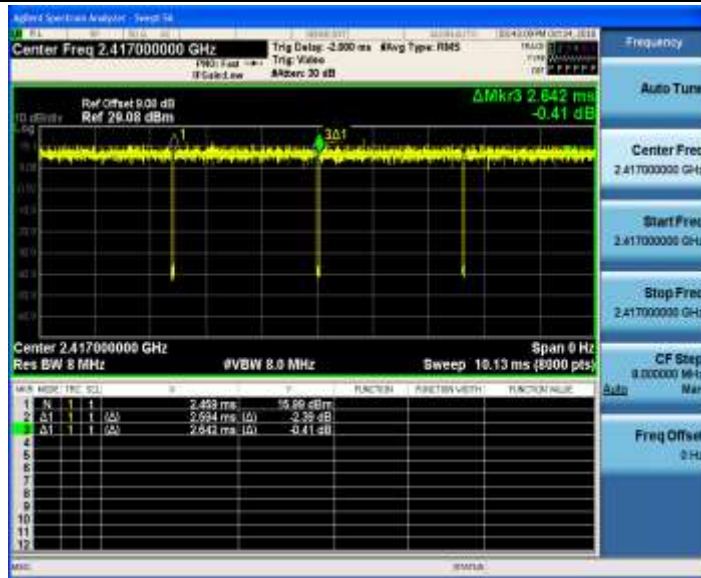
11G_Ant1_2462



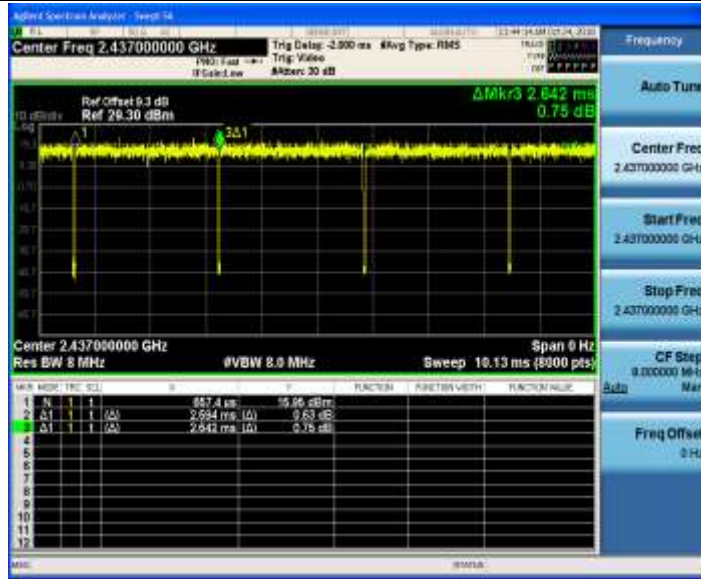
11N20SISO_Ant1_2412



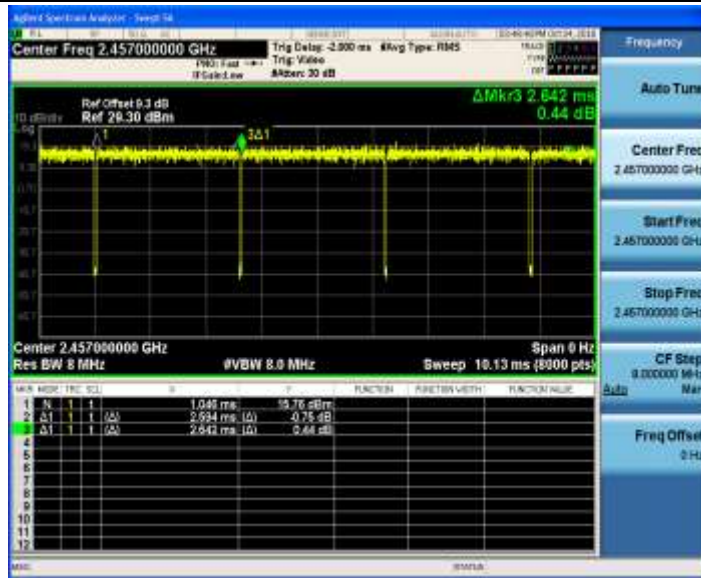
11N20SISO_Ant1_2417



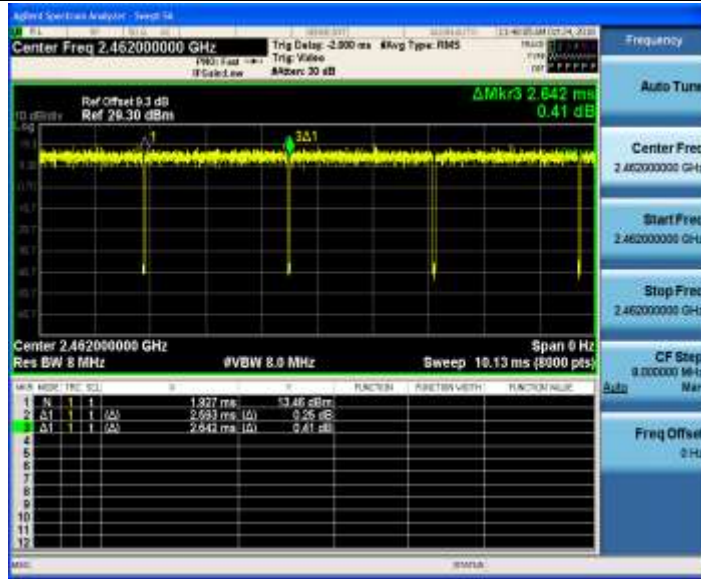
11N20SISO_Ant1_2437



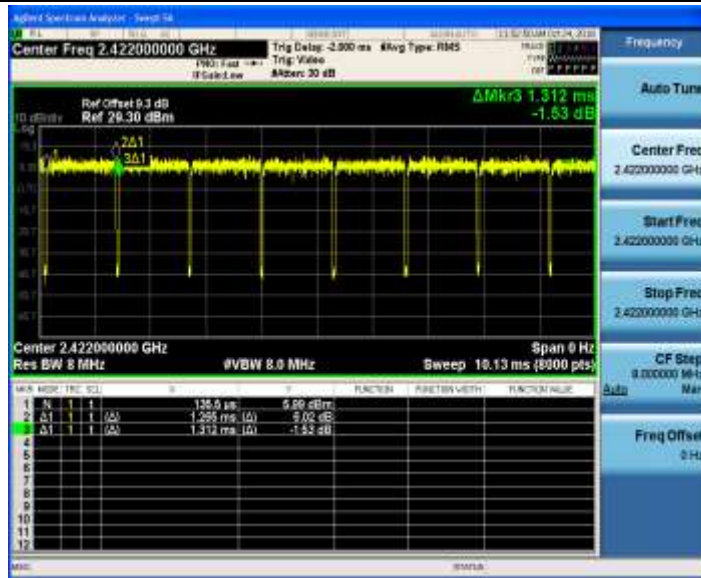
11N20SISO_Ant1_2457



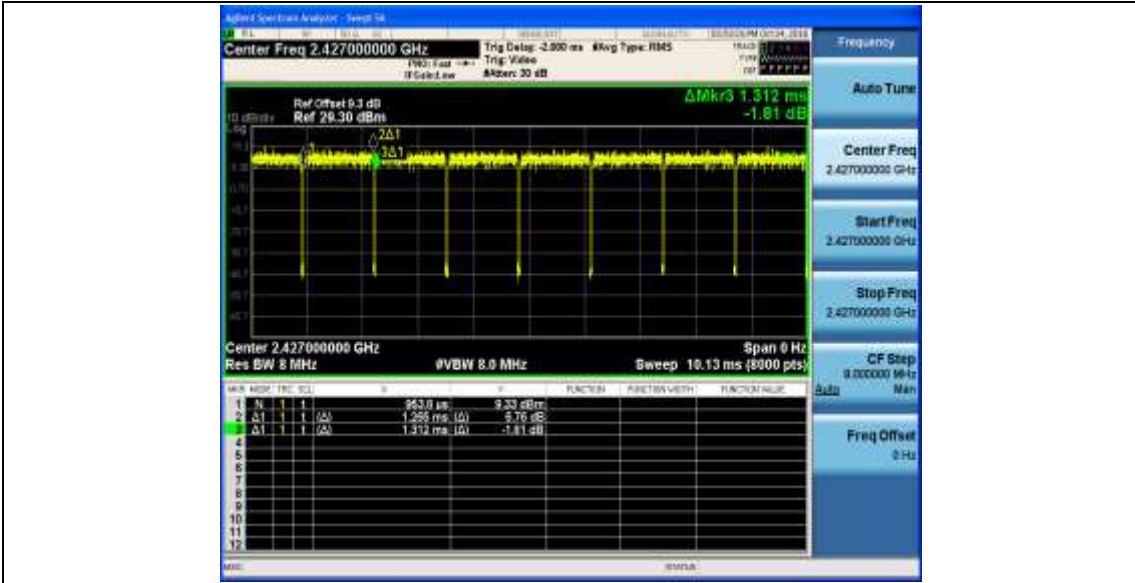
11N20SISO_Ant1_2462



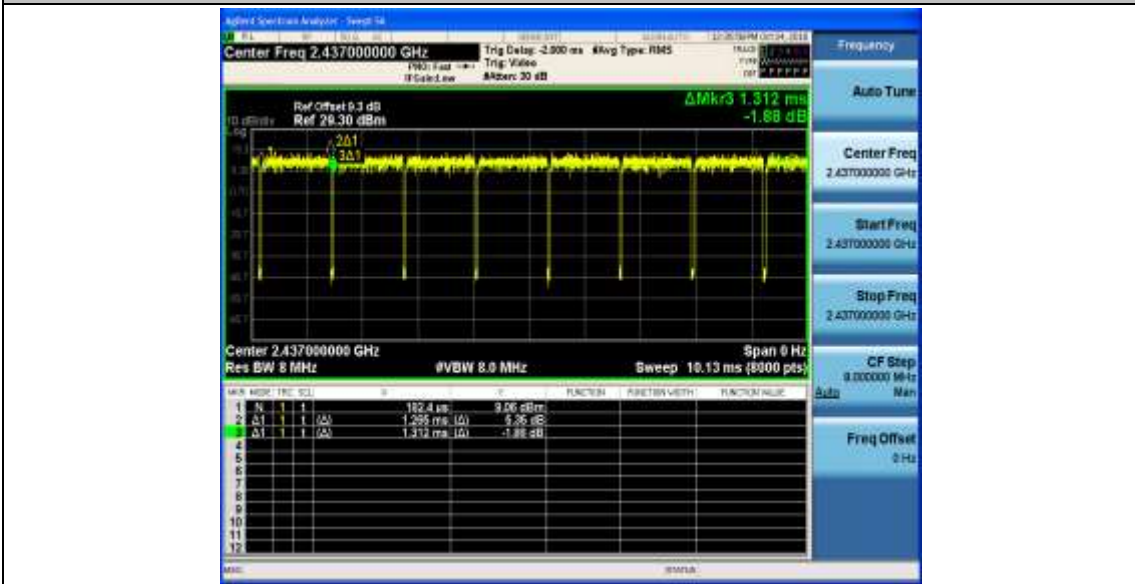
11N40SISO_Ant1_2422



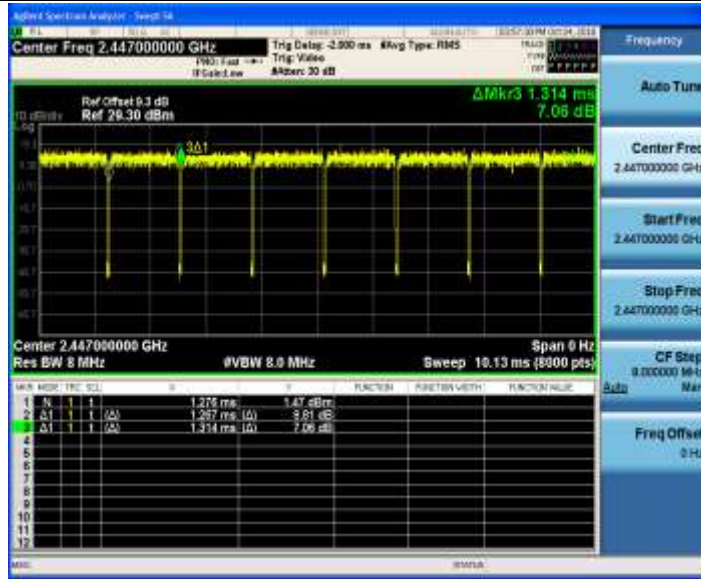
11N40SISO_Ant1_2427



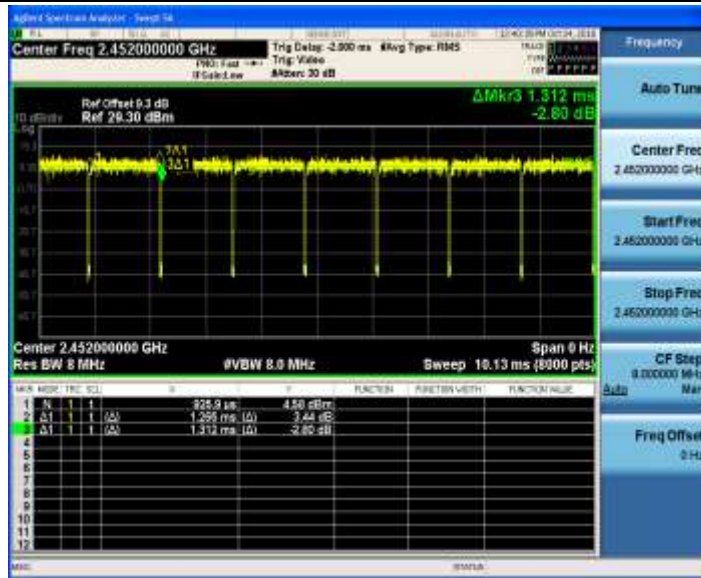
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





Appendix D: Maximum Conducted Average output power

Test Result

TestMode	Antenna	Channel	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.79	30	PASS
		2437	18.84	30	PASS
		2462	17.67	30	PASS
11G	Ant1	2412	13.82	30	PASS
		2417	16.26	30	PASS
		2437	16.75	30	PASS
		2457	16.20	30	PASS
		2462	13.94	30	PASS
11N20SISO	Ant1	2412	12.28	30	PASS
		2417	14.61	30	PASS
		2437	15.20	30	PASS
		2457	14.56	30	PASS
		2462	12.45	30	PASS
11N40SISO	Ant1	2422	12.73	30	PASS
		2427	15.76	30	PASS
		2437	15.37	30	PASS
		2447	14.23	30	PASS
		2452	12.15	30	PASS

Note: The Duty Cycle Factor is compensated in the graph.



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



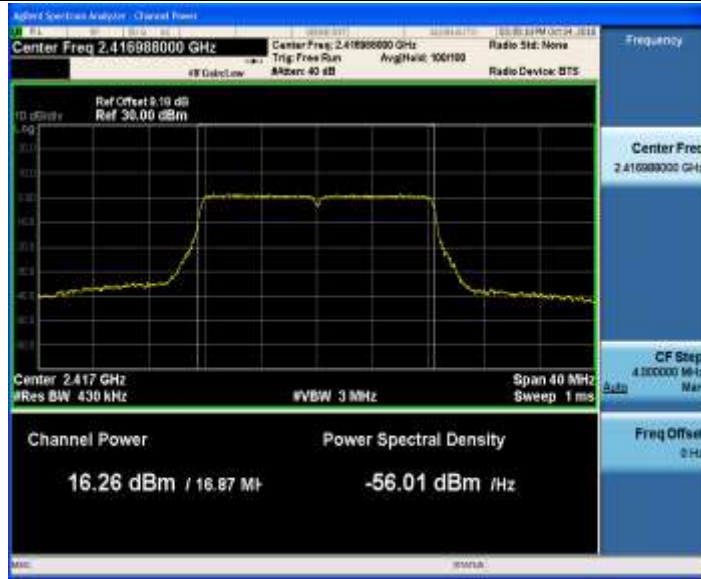
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2417



11G_Ant1_2437



11G_Ant1_2457



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2417



11N20SISO_Ant1_2437



11N20SISO_Ant1_2457



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





Appendix E: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result [dBm/10kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.82	8	PASS
		2437	-7.17	8	PASS
		2462	-8.12	8	PASS
11G	Ant1	2412	-14.65	8	PASS
		2417	-13.06	8	PASS
		2437	-11.84	8	PASS
		2457	-12.64	8	PASS
		2462	-14.64	8	PASS
11N20SISO	Ant1	2412	-16.71	8	PASS
		2417	-13.97	8	PASS
		2437	-13.53	8	PASS
		2457	-14.36	8	PASS
		2462	-16.53	8	PASS
11N40SISO	Ant1	2422	-18.82	8	PASS
		2427	-16.09	8	PASS
		2437	-16.06	8	PASS
		2447	-16.83	8	PASS
		2452	-19	8	PASS

Note: The Duty Cycle Factor is compensated in the graph.



Test Graphs

11B_Ant1_2412



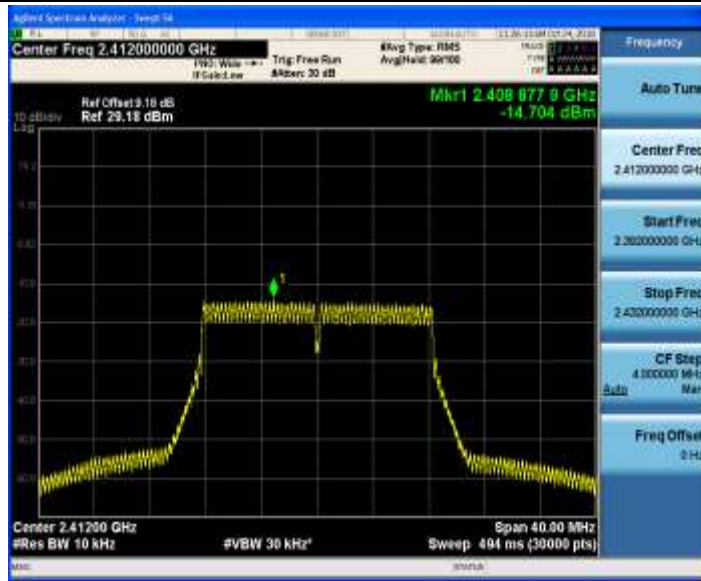
11B_Ant1_2437



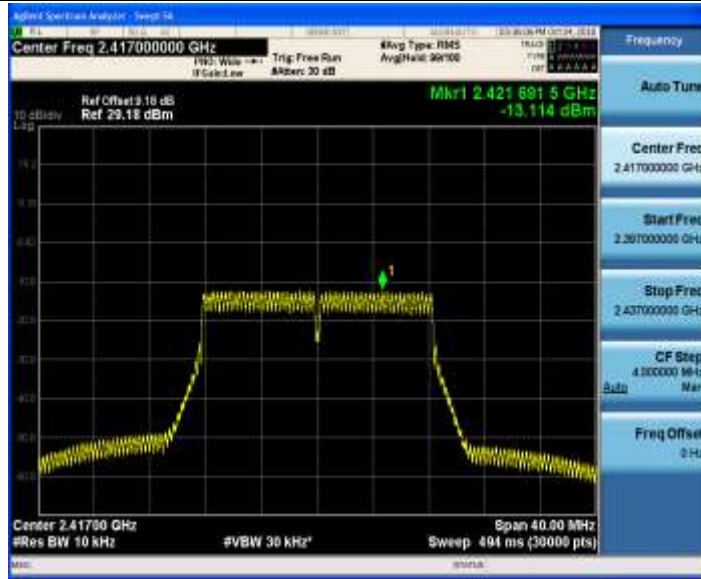
11B_Ant1_2462



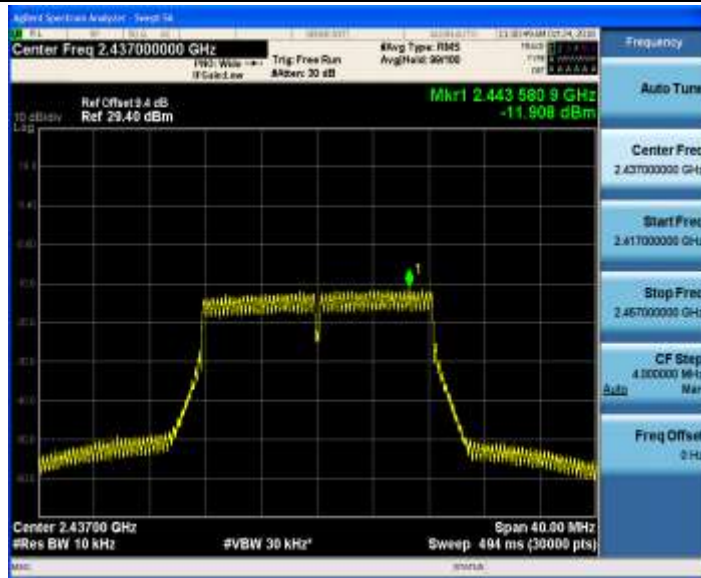
11G_Ant1_2412



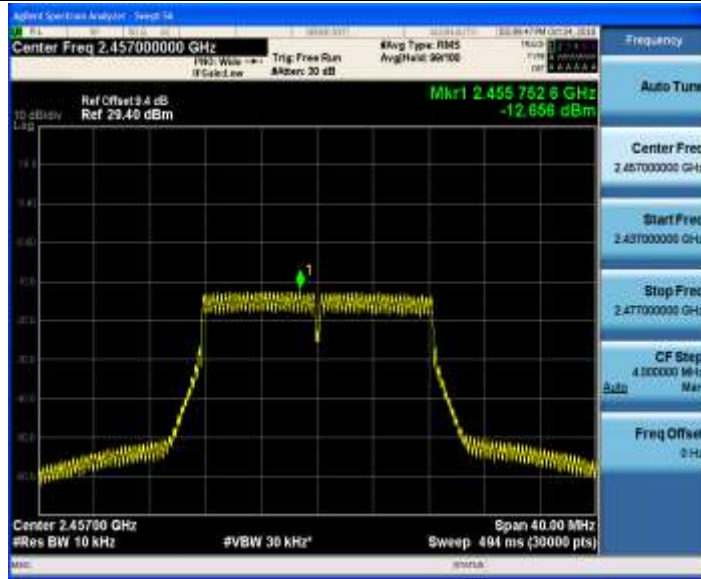
11G_Ant1_2417



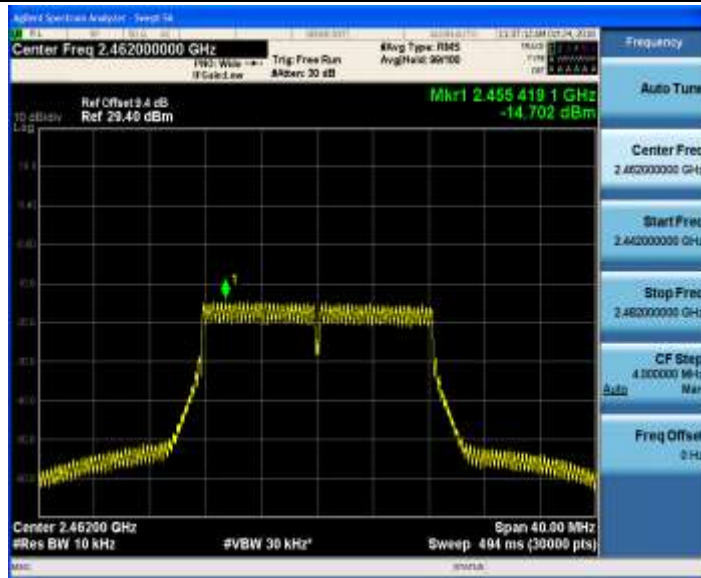
11G_Ant1_2437



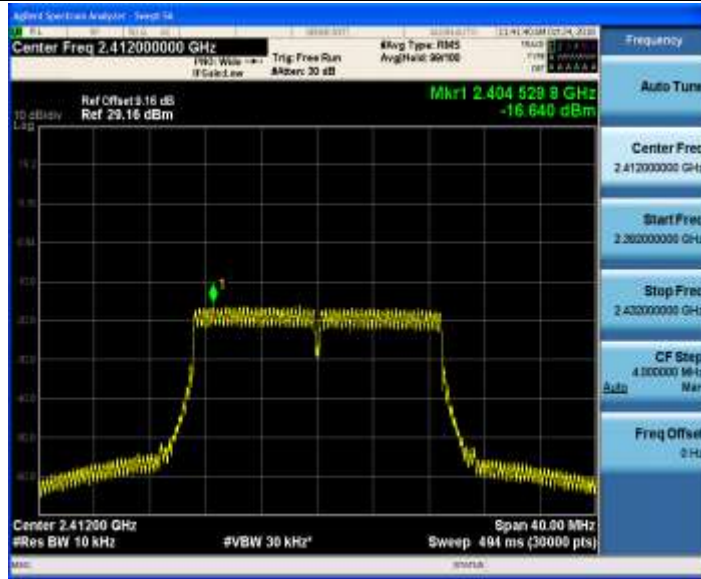
11G_Ant1_2457



11G_Ant1_2462



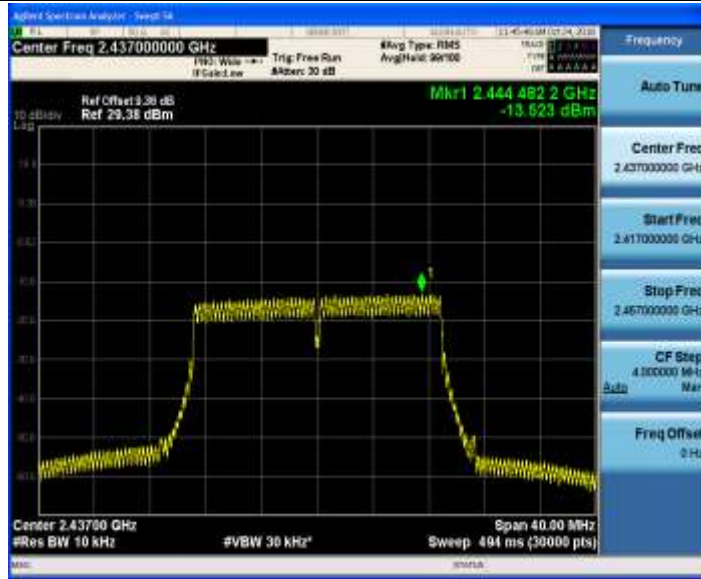
11N20SISO_Ant1_2412



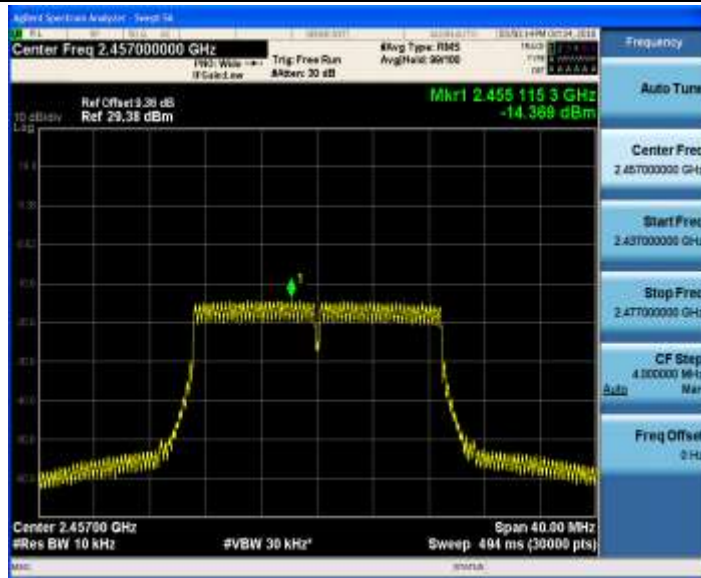
11N20SISO_Ant1_2417



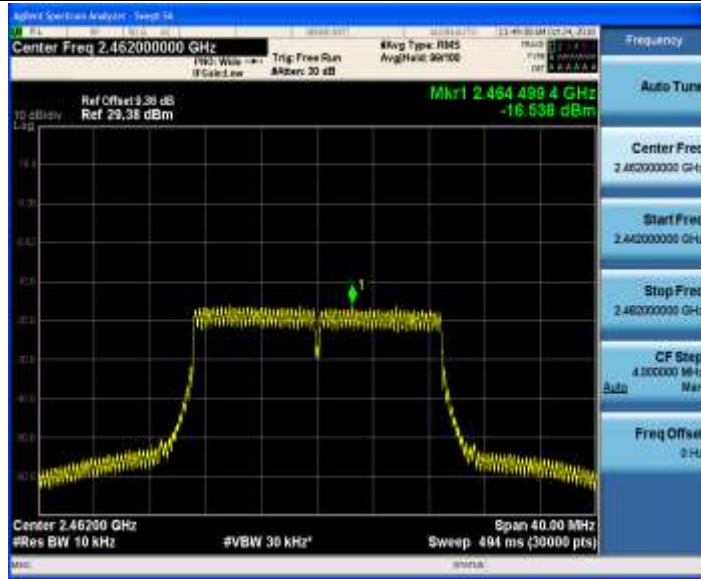
11N20SISO_Ant1_2437



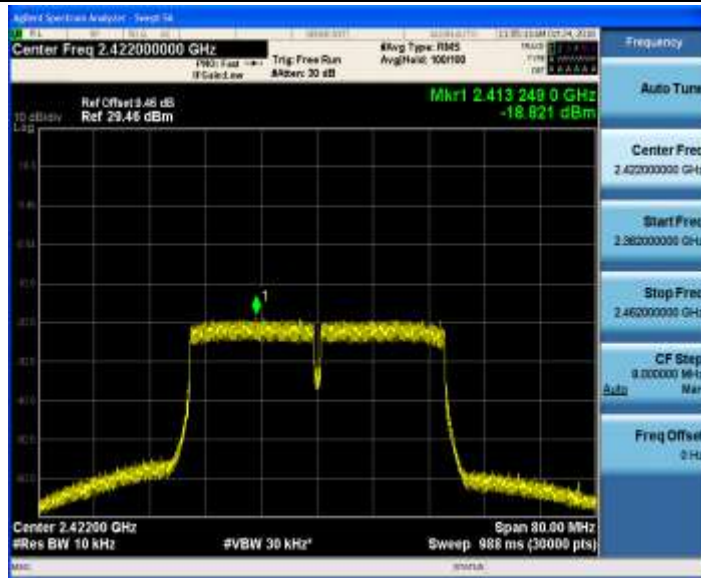
11N20SISO_Ant1_2457



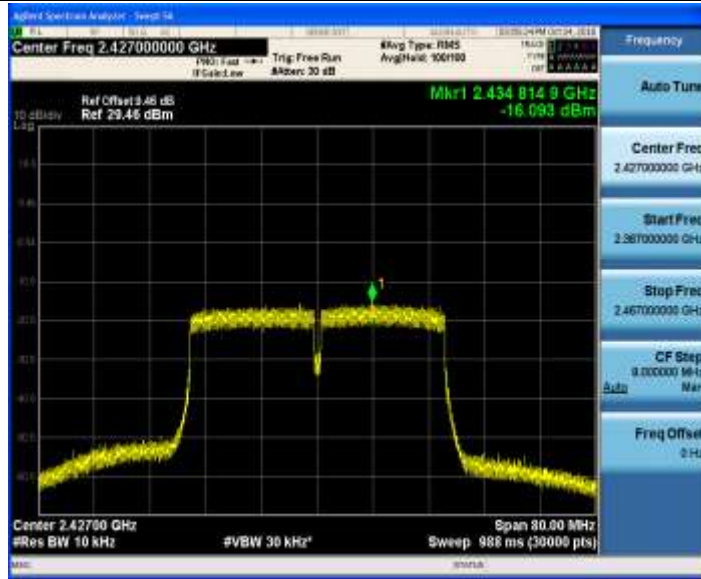
11N20SISO_Ant1_2462



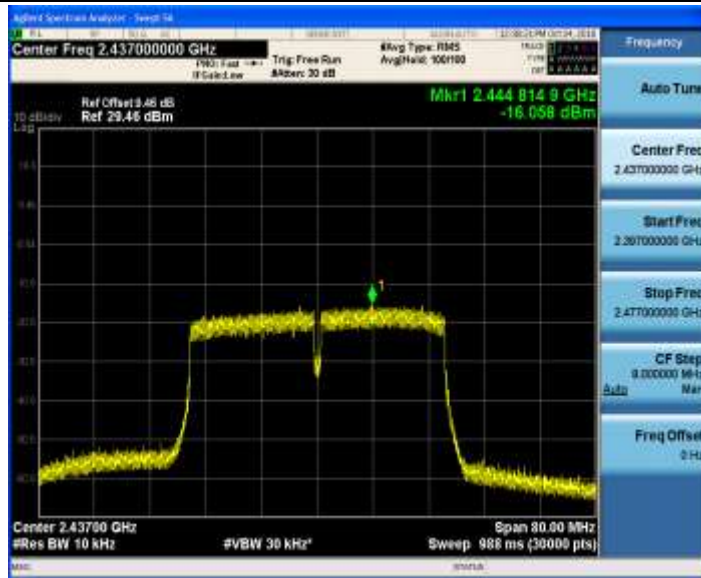
11N40SISO_Ant1_2422



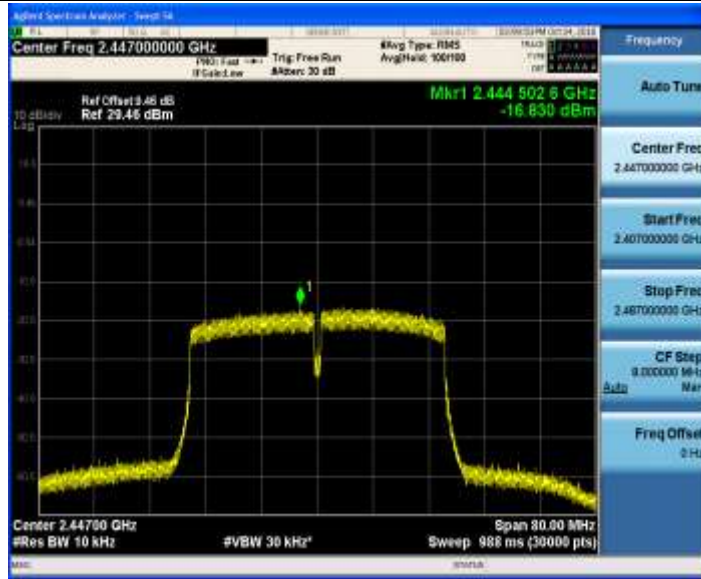
11N40SISO_Ant1_2427



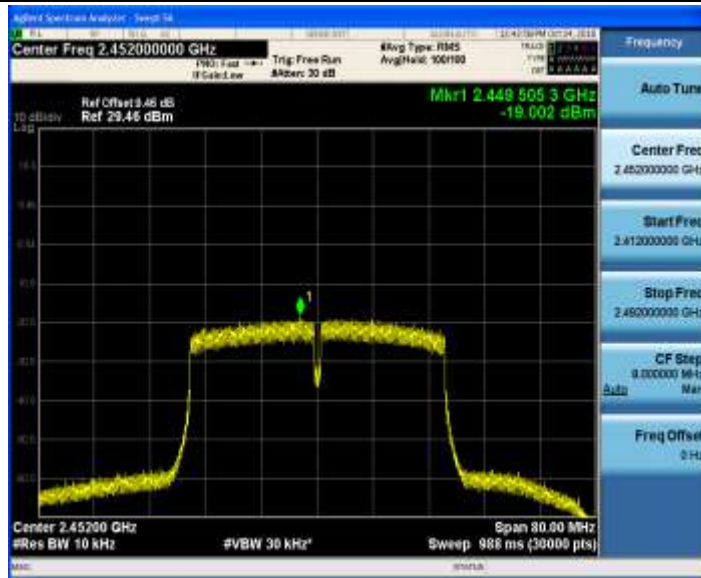
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.58	-34.76	-20.42	PASS
		High	2462	9.22	-44.21	-20.78	PASS
11G	Ant1	Low	2412	2.44	-33.73	-27.56	PASS
			2417	4.75	-33.12	-25.25	PASS
		High	2457	4.82	-44.35	-25.18	PASS
			2462	2.88	-42.89	-27.12	PASS
11N20SISO	Ant1	Low	2412	0.35	-36.35	-29.65	PASS
			2417	3.33	-36.37	-26.67	PASS
		High	2457	3.40	-46.78	-26.6	PASS
			2462	1.30	-42.83	-28.7	PASS
11N40SISO	Ant1	Low	2422	-1.79	-36.27	-31.79	PASS
			2427	1.32	-29.42	-28.68	PASS
		High	2447	0.89	-43.27	-29.11	PASS
			2452	-1.65	-40.5	-31.65	PASS



Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_Low_2417



11G_Ant1_High_2457



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_Low_2417



11N20SISO_Ant1_High_2457



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_Low_2427



11N40SISO_Ant1_High_2447



11N40SISO_Ant1_High_2452





Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	Reference	8.94	8.94	---	PASS
			0.009~30	0.009~30	-72.87	-31.06	PASS
			30~1000	30~1000	-62.8	-21.06	PASS
			1000~26500	1000~26500	-38.22	-21.06	PASS
		2437	Reference	10.50	10.50	---	PASS
			0.009~30	0.009~30	-72.11	-29.5	PASS
			30~1000	30~1000	-63.19	-19.5	PASS
			1000~26500	1000~26500	-36	-19.5	PASS
		2462	Reference	9.71	9.71	---	PASS
			0.009~30	0.009~30	-72.74	-30.29	PASS
			30~1000	30~1000	-62.9	-20.29	PASS
			1000~26500	1000~26500	-37.98	-20.29	PASS
11G	Ant1	2412	Reference	3.19	3.19	---	PASS
			0.009~30	0.009~30	-75.54	-36.81	PASS
			30~1000	30~1000	-62.4	-26.81	PASS
			1000~26500	1000~26500	-37.38	-26.81	PASS
		2417	Reference	4.78	4.78	---	PASS
			0.009~30	4.78	-74.59	-25.22	PASS
			30~1000	4.78	-62.75	-15.22	PASS
			1000~26500	4.78	-37.57	-15.22	PASS
		2437	Reference	6.69	6.69	---	PASS
			0.009~30	0.009~30	-74.39	-33.31	PASS
			30~1000	30~1000	-62.83	-23.31	PASS
			1000~26500	1000~26500	-37.44	-23.31	PASS



		2457	Reference	4.41	4.41	---	PASS
			0.009~30	4.41	-73.1	-25.59	PASS
			30~1000	4.41	-62.07	-15.59	PASS
			1000~2650 0	4.41	-37.03	-15.59	PASS
		2462	Reference	5.70	5.70	---	PASS
			0.009~30	0.009~30	-73.26	-34.3	PASS
			30~1000	30~1000	-62.67	-24.3	PASS
			1000~2650 0	1000~26500	-37.67	-24.3	PASS
11N20SIS O	Ant1	2412	Reference	3.69	3.69	---	PASS
			0.009~30	0.009~30	-75.76	-36.31	PASS
			30~1000	30~1000	-63.52	-26.31	PASS
			1000~2650 0	1000~26500	-37.3	-26.31	PASS
		2417	Reference	3.05	3.05	---	PASS
			0.009~30	3.05	-74.48	-26.95	PASS
			30~1000	3.05	-63.26	-16.95	PASS
			1000~2650 0	3.05	-37.88	-16.95	PASS
		2437	Reference	2.22	2.22	---	PASS
			0.009~30	0.009~30	-74.51	-37.78	PASS
			30~1000	30~1000	-62.33	-27.78	PASS
			1000~2650 0	1000~26500	-37.24	-27.78	PASS
		2457	Reference	2.56	2.56	---	PASS
			0.009~30	2.56	-73.92	-27.44	PASS
			30~1000	2.56	-62.94	-17.44	PASS
			1000~2650 0	2.56	-37.06	-17.44	PASS
		2462	Reference	3.53	3.53	---	PASS
			0.009~30	0.009~30	-75.19	-36.47	PASS
			30~1000	30~1000	-63.43	-26.47	PASS
			1000~2650 0	1000~26500	-37.55	-26.47	PASS
11N40SIS O	Ant1	2422	Reference	-1.25	-1.25	---	PASS
			0.009~30	0.009~30	-74.68	-41.25	PASS
			30~1000	30~1000	-62.73	-31.25	PASS

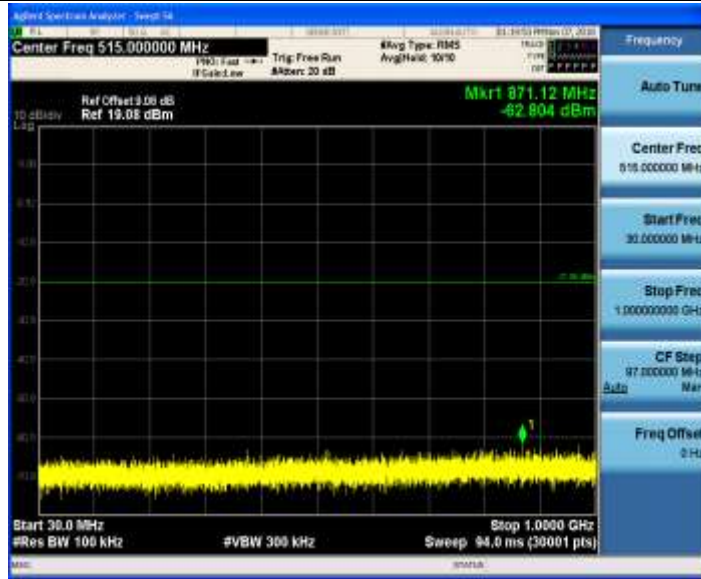


			1000~2650 0	1000~26500	-38.06	-31.25	PASS
		2427	Reference	1.09	1.09	---	PASS
			0.009~30	1.09	-73.69	-28.91	PASS
			30~1000	1.09	-63.2	-18.91	PASS
			1000~2650 0	1.09	-37.28	-18.91	PASS
		2437	Reference	3.42	3.42	---	PASS
			0.009~30	0.009~30	-74.63	-36.58	PASS
			30~1000	30~1000	-63.01	-26.58	PASS
			1000~2650 0	1000~26500	-37.11	-26.58	PASS
		2447	Reference	0.78	0.78	---	PASS
			0.009~30	0.78	-74.31	-29.22	PASS
			30~1000	0.78	-63.33	-19.22	PASS
			1000~2650 0	0.78	-37.45	-19.22	PASS
		2452	Reference	-0.85	-0.85	---	PASS
			0.009~30	0.009~30	-75.21	-40.85	PASS
			30~1000	30~1000	-62.57	-30.85	PASS
			1000~2650 0	1000~26500	-37.24	-30.85	PASS



Test Graphs





11B_Ant1_2412_1000~26500



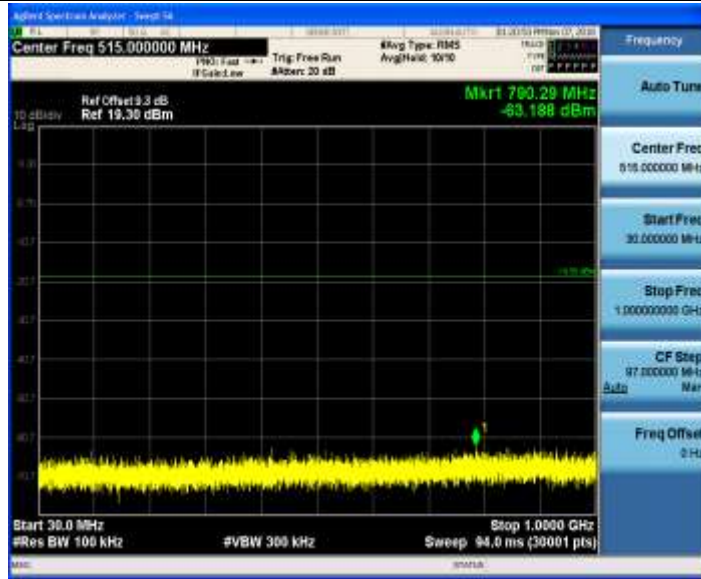
11B_Ant1_2437_0~Reference



11B_Ant1_2437_0.009~30



11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



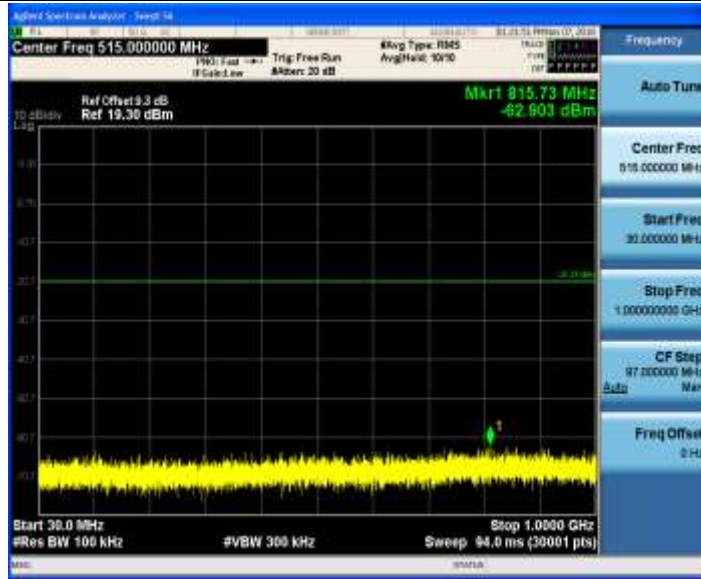
11B_Ant1_2462_0~Reference



11B_Ant1_2462_0.009~30



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



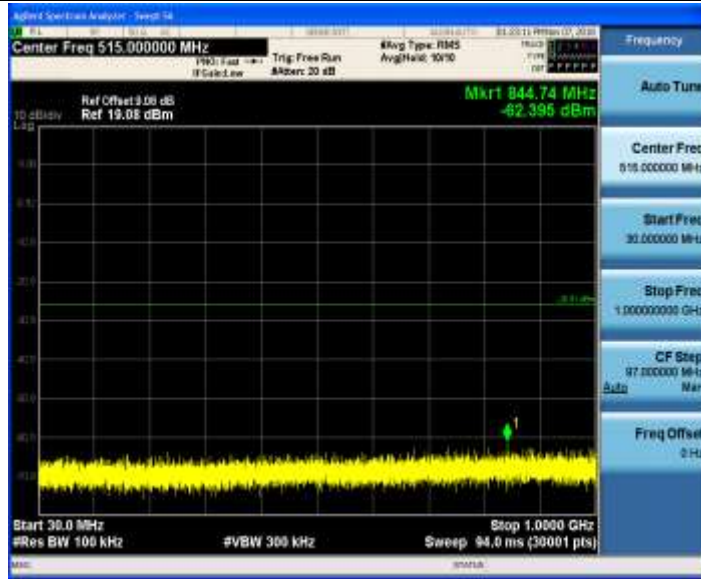
11G_Ant1_2412_0~Reference



11G_Ant1_2412_0.009~30



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



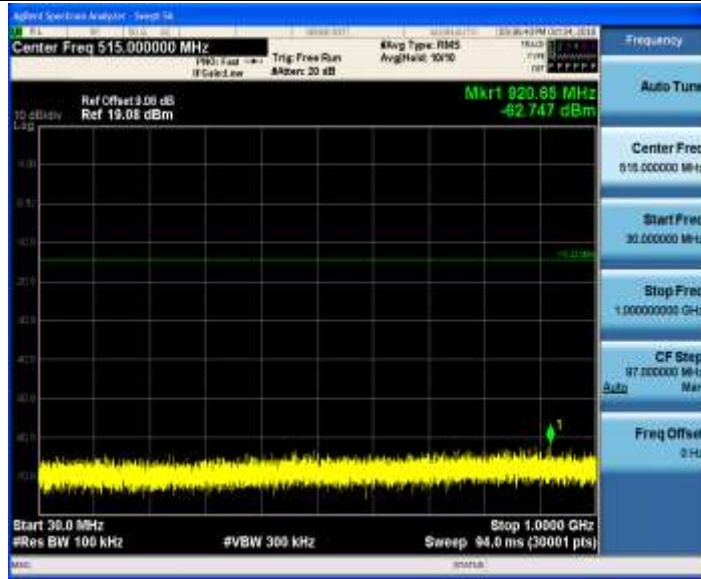
11G_Ant1_2417_0~Reference



11G_Ant1_2417_0.009~30



11G_Ant1_2417_30~1000



11G_Ant1_2417_1000~26500



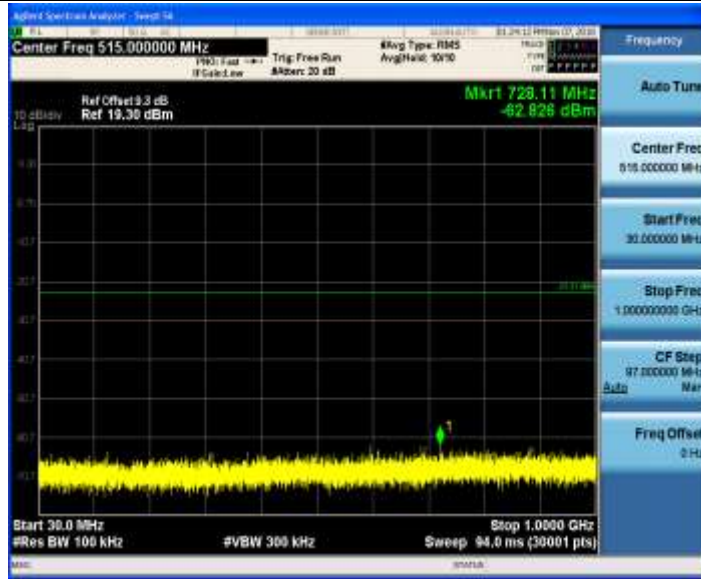
11G_Ant1_2437_0~Reference



11G_Ant1_2437_0.009~30



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



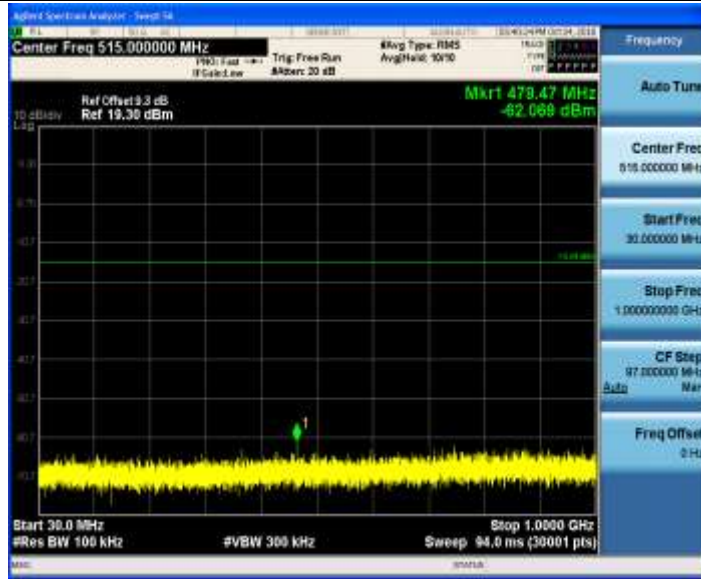
11G_Ant1_2457_0~Reference



11G_Ant1_2457_0.009~30



11G_Ant1_2457_30~1000



11G_Ant1_2457_1000~26500



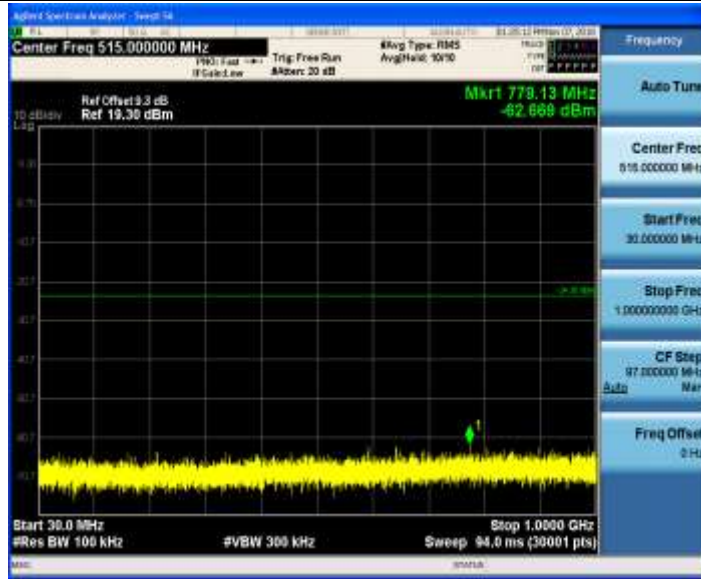
11G_Ant1_2462_0~Reference



11G_Ant1_2462_0.009~30



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



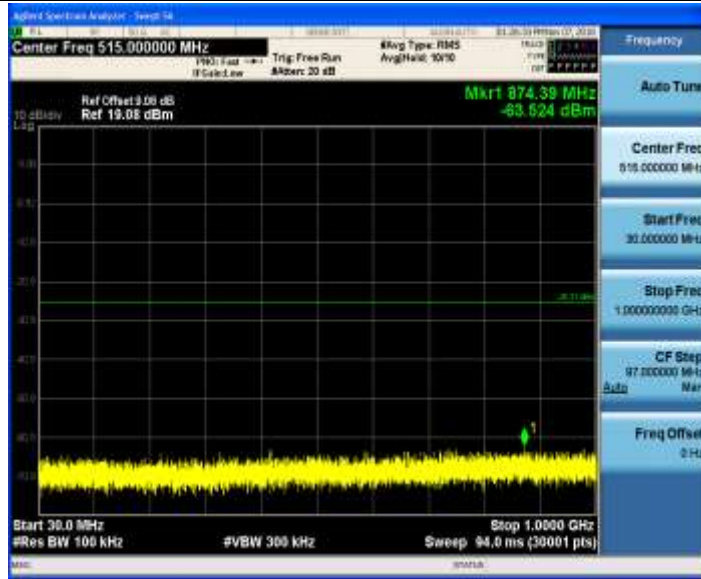
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_0.009~30



11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



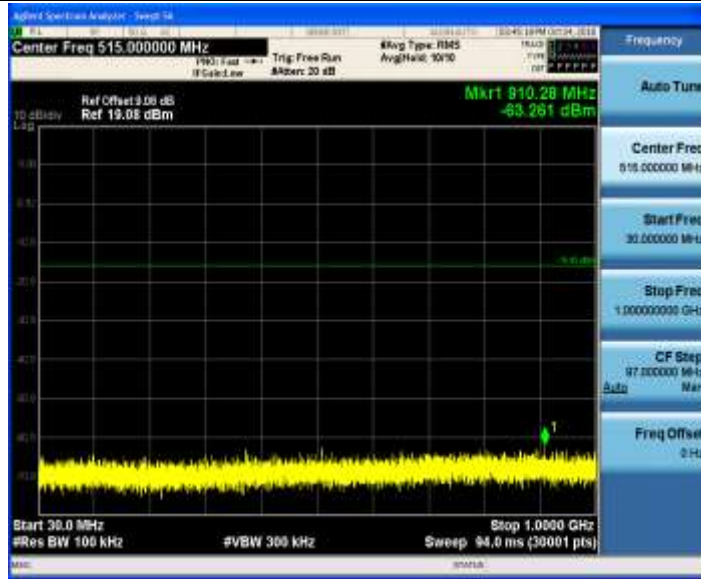
11N20SISO_Ant1_2417_0~Reference



11N20SISO_Ant1_2417_0.009~30



11N20SISO_Ant1_2417_30~1000



11N20SISO_Ant1_2417_1000~26500



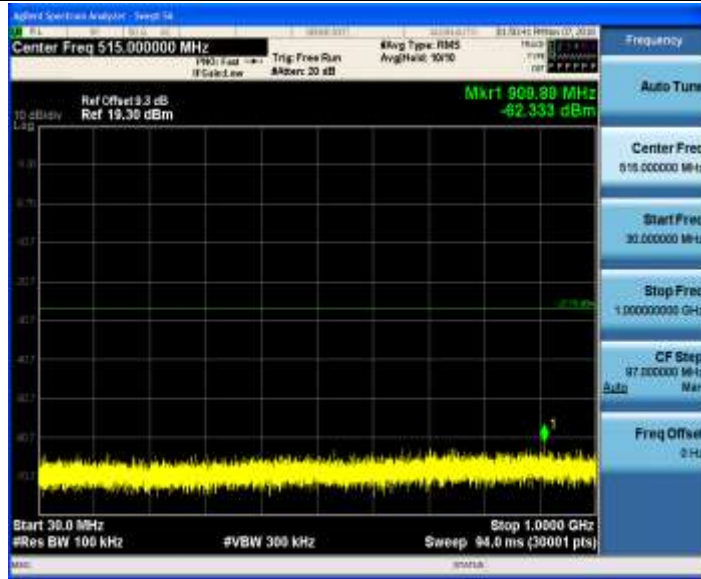
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_0.009~30



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



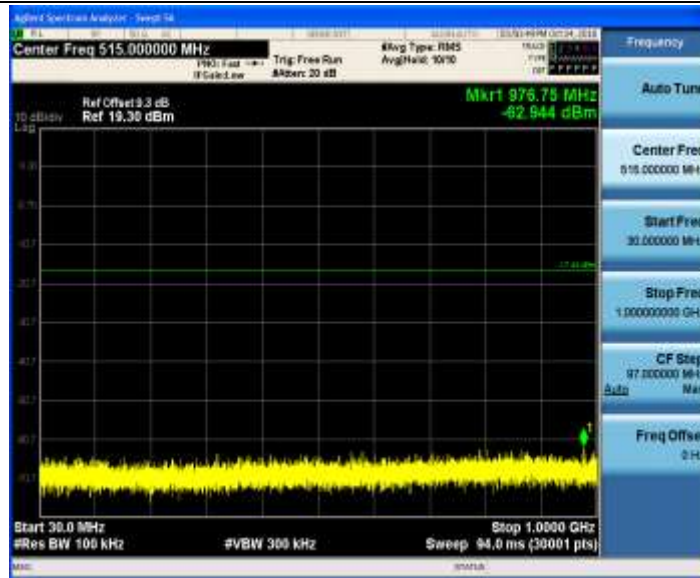
11N20SISO_Ant1_2457_0~Reference



11N20SISO_Ant1_2457_0.009~30



11N20SISO_Ant1_2457_30~1000



11N20SISO_Ant1_2457_1000~26500



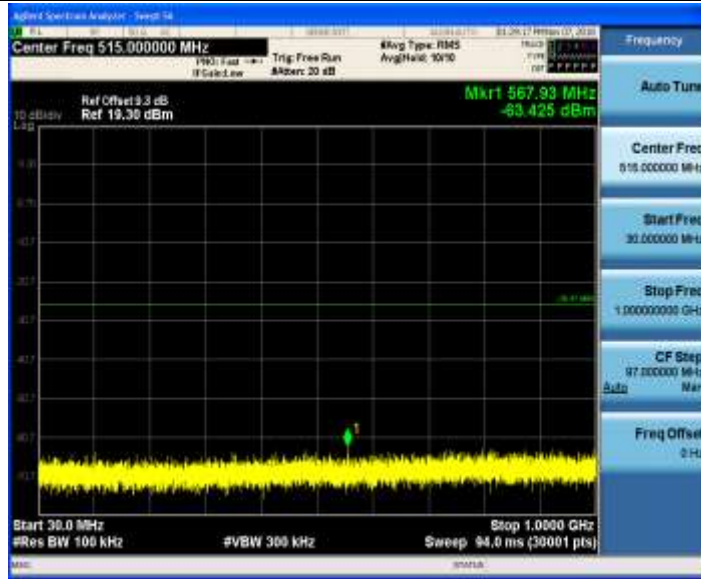
11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_0.009~30



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



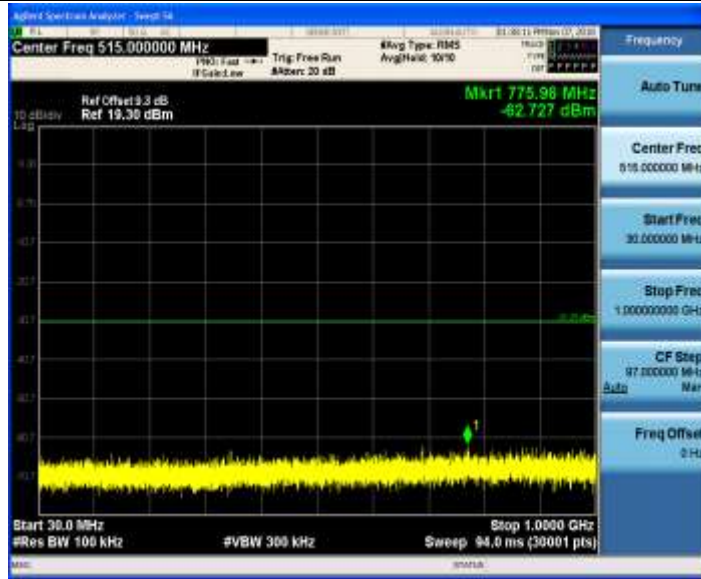
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_0.009~30



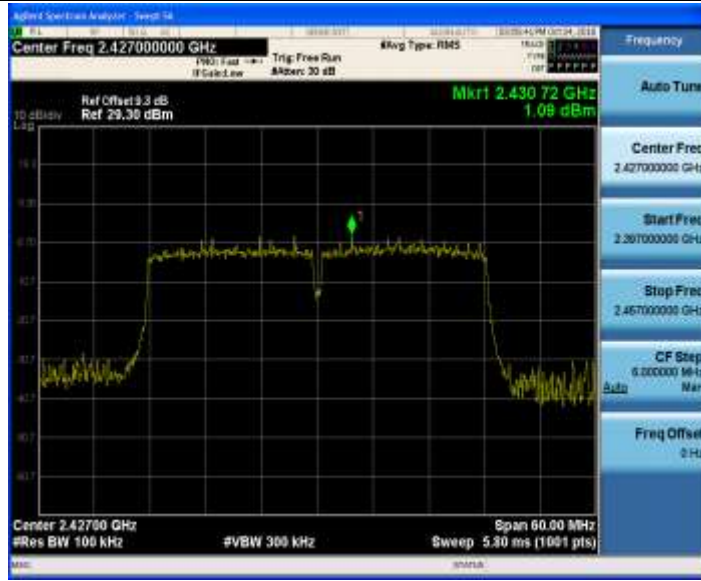
11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



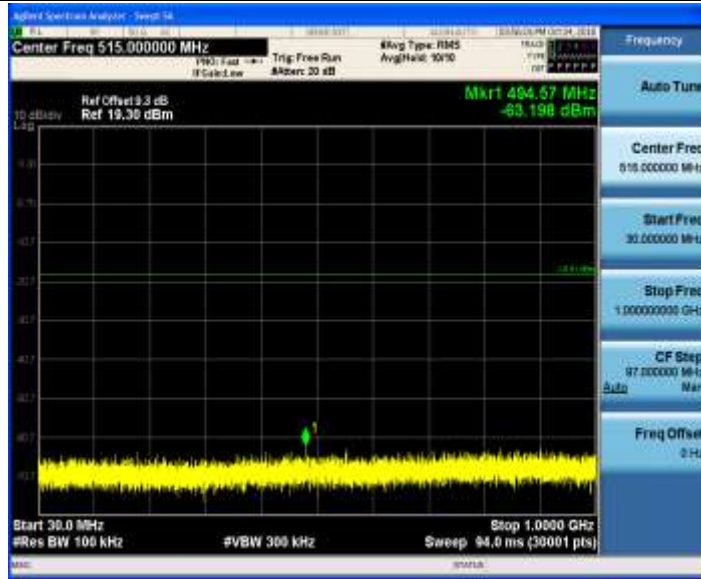
11N40SISO_Ant1_2427_0~Reference



11N40SISO_Ant1_2427_0.009~30



11N40SISO_Ant1_2427_30~1000



11N40SISO_Ant1_2427_1000~26500



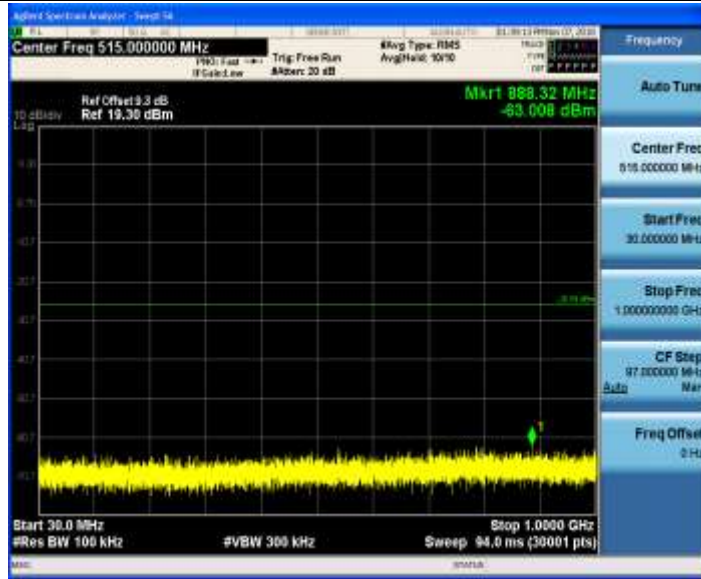
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_0.009~30



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



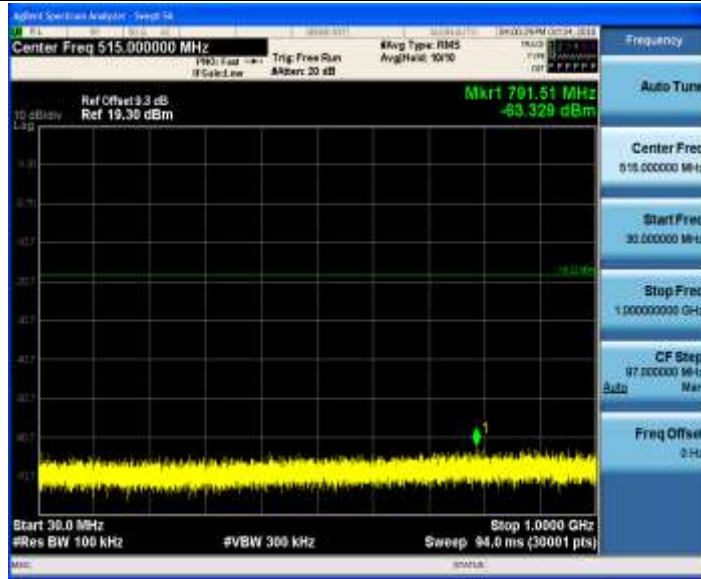
11N40SISO_Ant1_2447_0~Reference



11N40SISO_Ant1_2447_0.009~30



11N40SISO_Ant1_2447_30~1000



11N40SISO_Ant1_2447_1000~26500



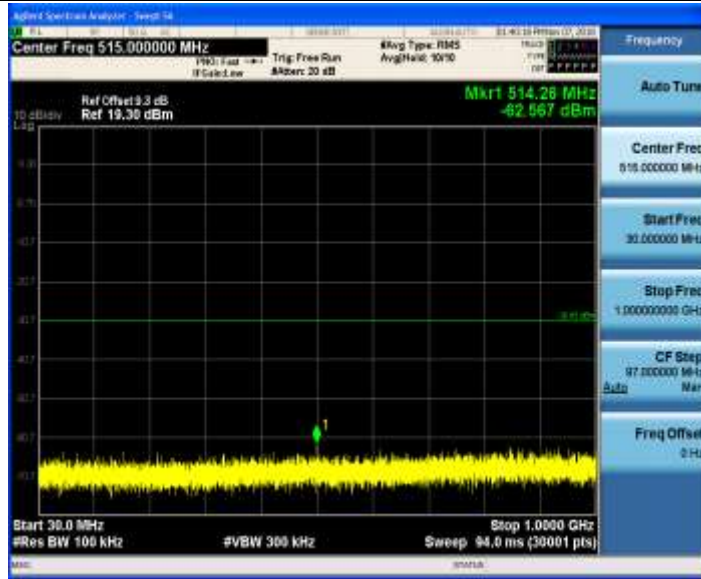
11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_0.009~30



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



END