



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	8.120	2407.920	2416.040	---	PASS
		2437	8.640	2432.920	2441.560	---	PASS
		2462	8.080	2458.000	2466.080	---	PASS
11G	Ant1	2412	16.400	2403.800	2420.200	---	PASS
		2417	16.440	2408.800	2425.240	---	PASS
		2437	16.400	2428.840	2445.240	---	PASS
		2457	16.440	2448.800	2465.240	---	PASS
		2462	16.480	2453.760	2470.240	---	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	---	PASS
		2417	17.640	2408.200	2425.840	---	PASS
		2437	17.640	2428.200	2445.840	---	PASS
		2457	17.680	2448.160	2465.840	---	PASS
		2462	17.640	2453.200	2470.840	---	PASS
11N40SISO	Ant1	2422	35.760	2404.080	2439.840	---	PASS
		2427	36.160	2409.080	2445.240	---	PASS
		2437	35.440	2419.400	2454.840	---	PASS
		2447	34.400	2430.200	2464.600	---	PASS
		2452	35.280	2434.400	2469.680	---	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



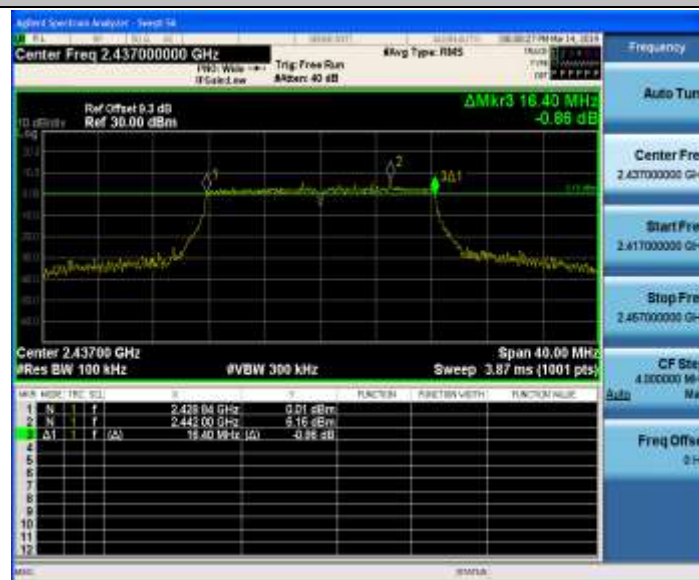
11G_Ant1_2412



11G_Ant1_2417



11G_Ant1_2437



11G_Ant1_2457



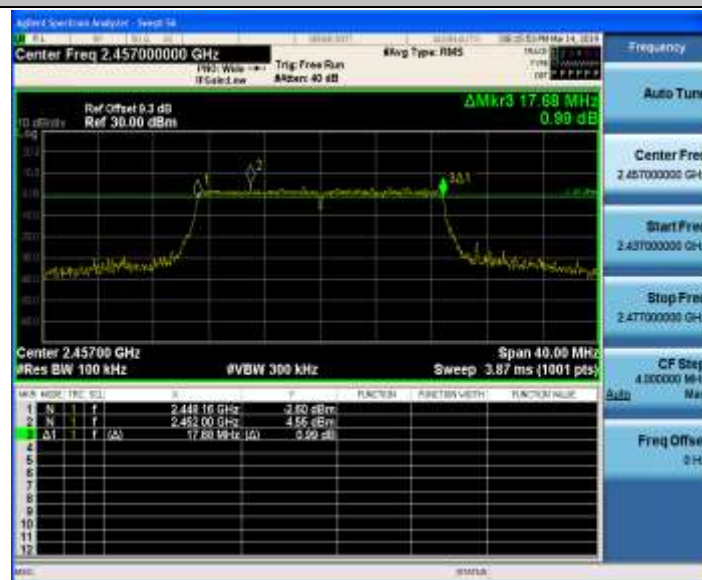
11G_Ant1_2462



11N20SISO_Ant1_2412



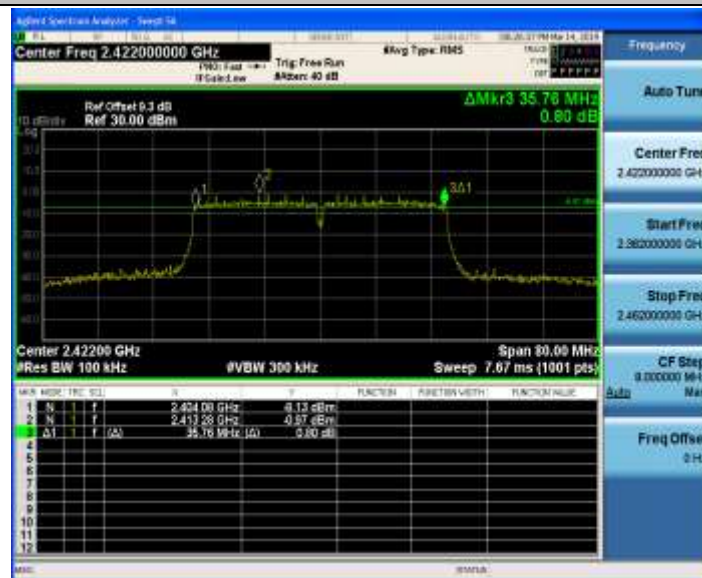
11N20SISO_Ant1_2457



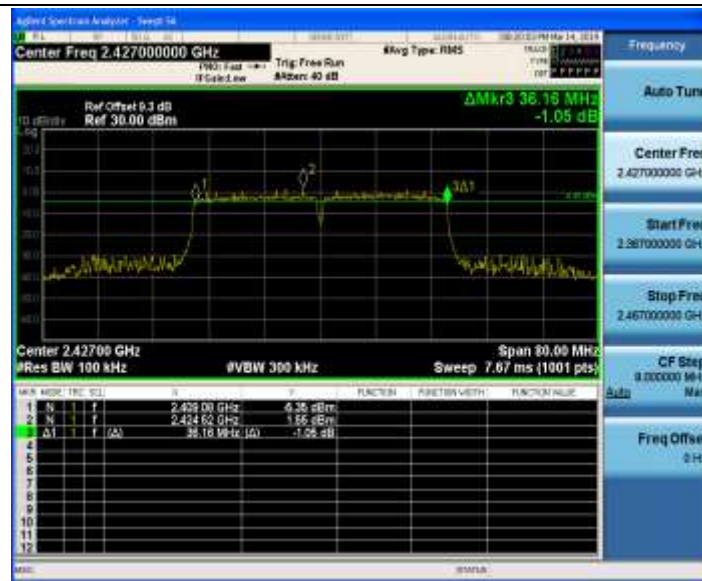
11N20SISO_Ant1_2462



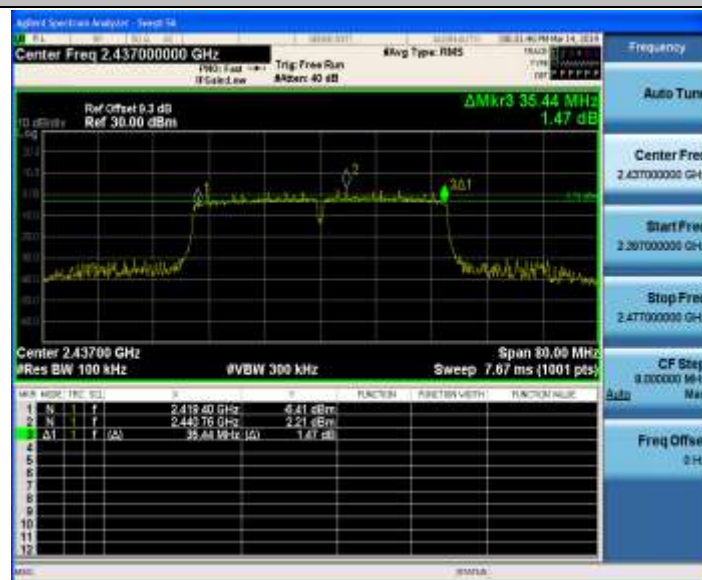
11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



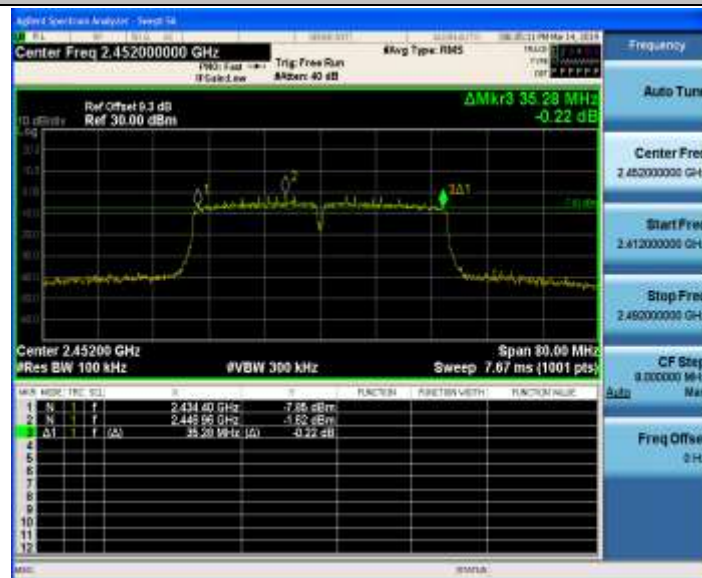
11N40SISO_Ant1_2437



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	11.202	2406.448	2417.650	---	PASS
		2437	11.098	2431.649	2442.747	---	PASS
		2462	11.254	2456.427	2467.681	---	PASS
11G	Ant1	2412	16.779	2403.637	2420.416	---	PASS
		2417	16.771	2408.673	2425.444	---	PASS
		2437	16.730	2428.747	2445.477	---	PASS
		2457	16.785	2448.634	2465.419	---	PASS
		2462	16.775	2453.633	2470.408	---	PASS
11N20SISO	Ant1	2412	17.750	2403.169	2420.919	---	PASS
		2417	17.781	2408.150	2425.931	---	PASS
		2437	17.780	2428.201	2445.981	---	PASS
		2457	17.766	2448.157	2465.923	---	PASS
		2462	17.773	2453.156	2470.929	---	PASS
11N40SISO	Ant1	2422	36.062	2404.050	2440.112	---	PASS
		2427	36.099	2409.092	2445.191	---	PASS
		2437	36.015	2419.146	2455.161	---	PASS
		2447	35.857	2429.196	2465.053	---	PASS
		2452	35.931	2434.137	2470.068	---	PASS



Test Graphs

11B_Ant1_2412



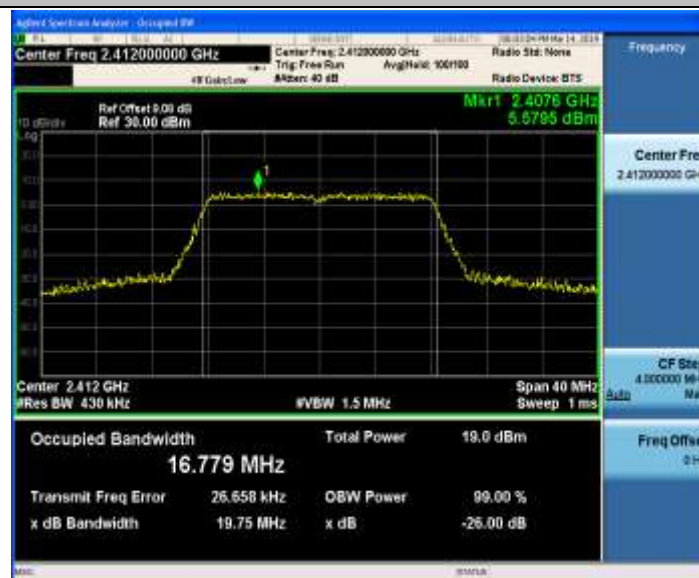
11B_Ant1_2437



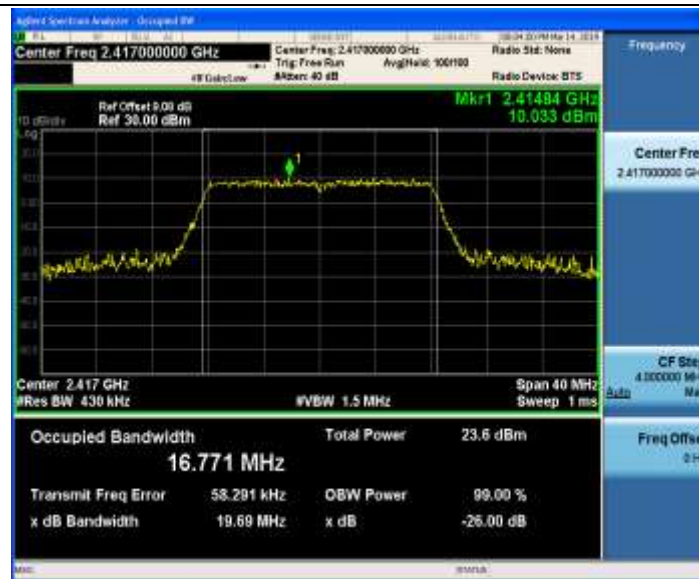
11B_Ant1_2462



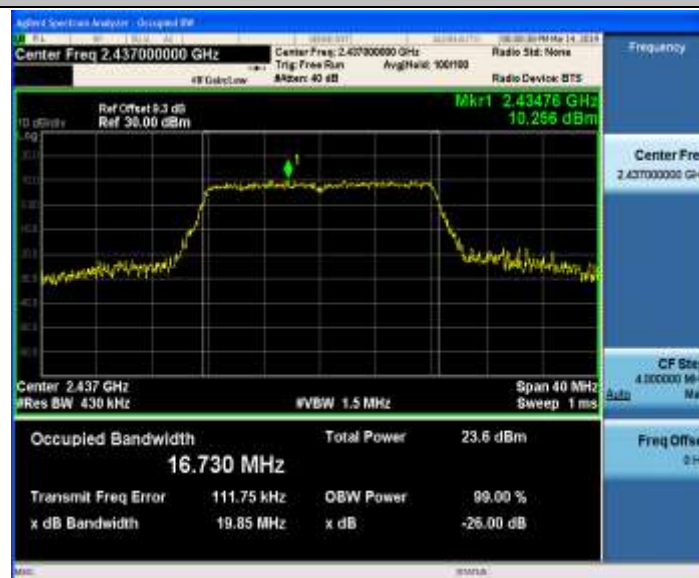
11G_Ant1_2412



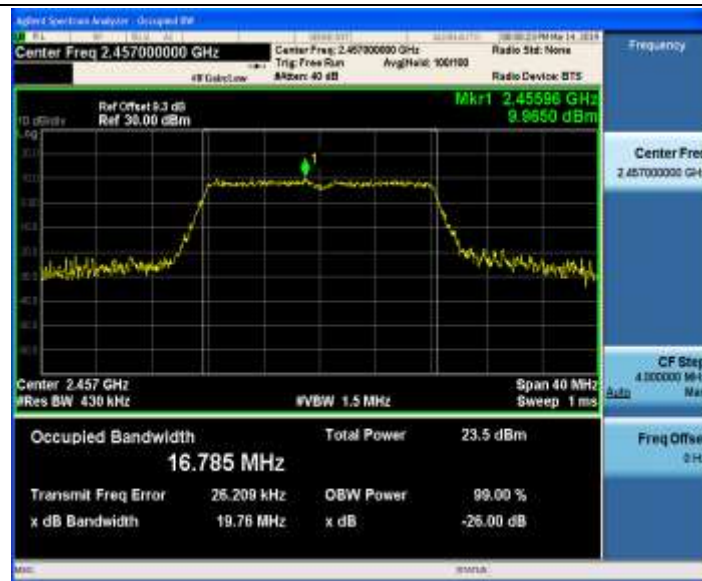
11G_Ant1_2417



11G_Ant1_2437



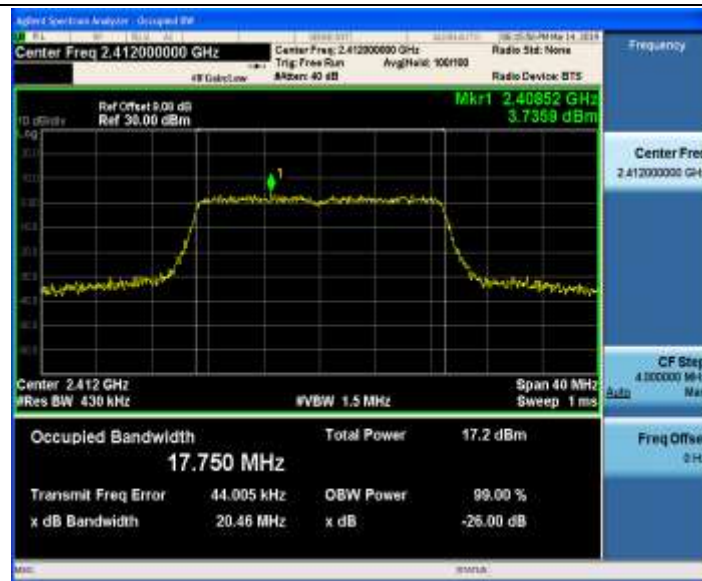
11G_Ant1_2457



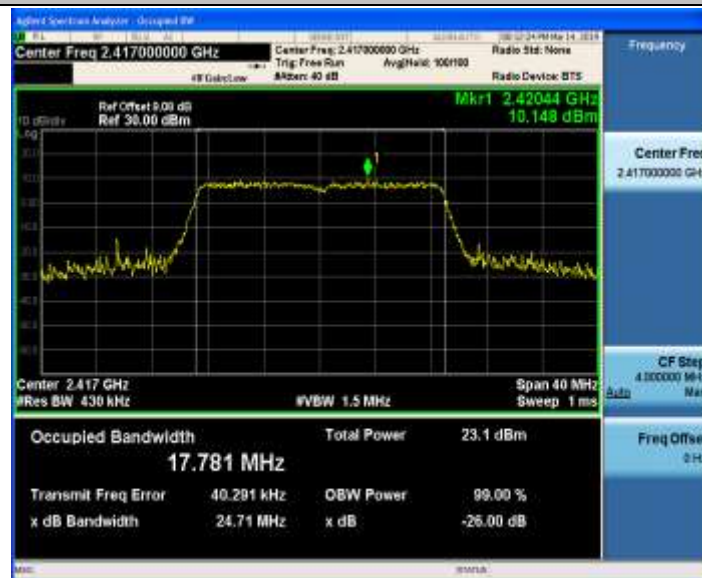
11G_Ant1_2462



11N20SISO_Ant1_2412



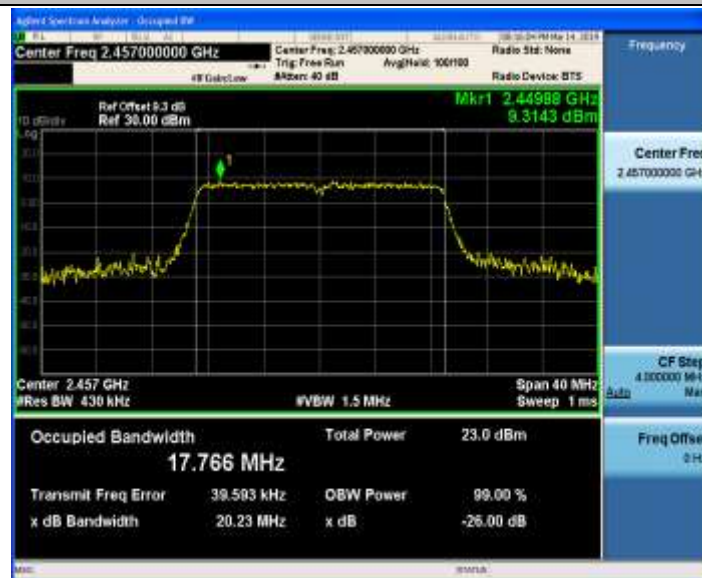
11N20SISO_Ant1_2417



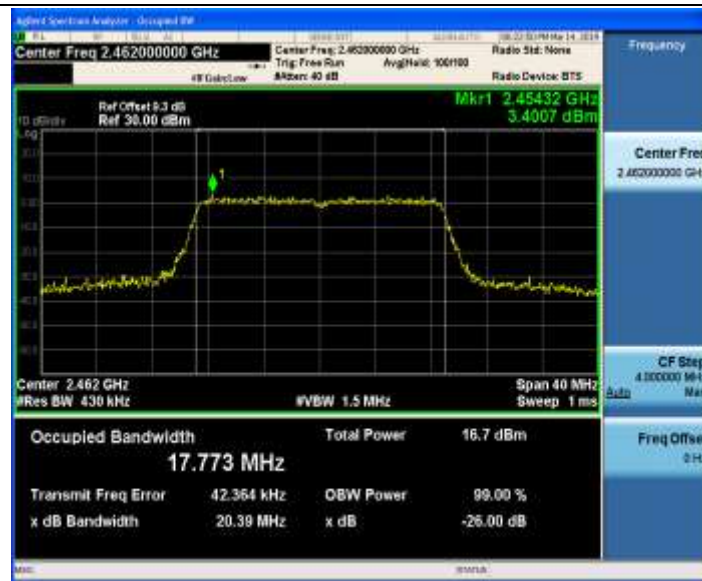
11N20SISO_Ant1_2437



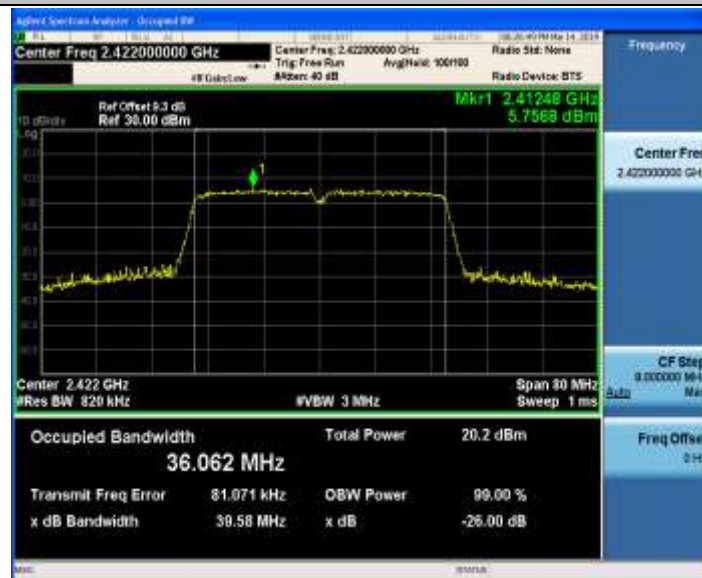
11N20SISO_Ant1_2457



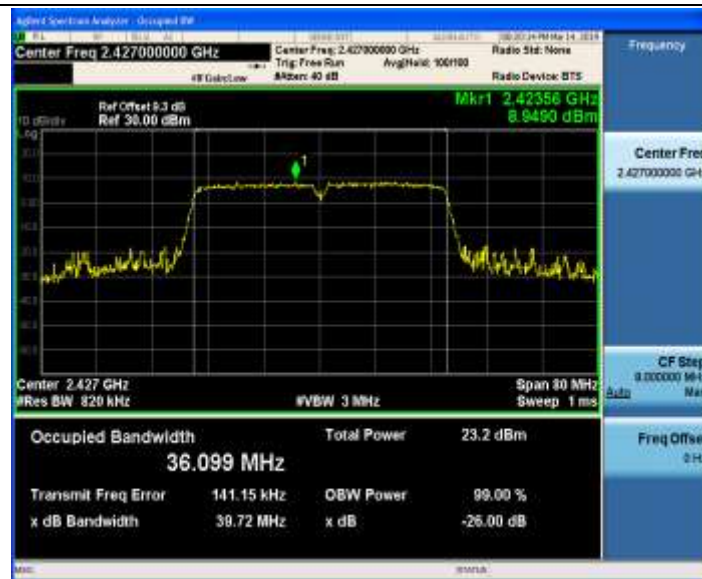
11N20SISO_Ant1_2462



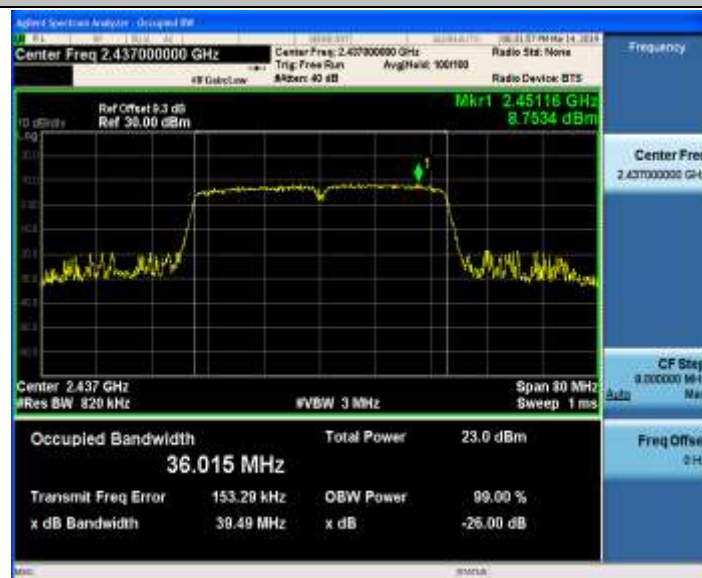
11N40SISO_Ant1_2422



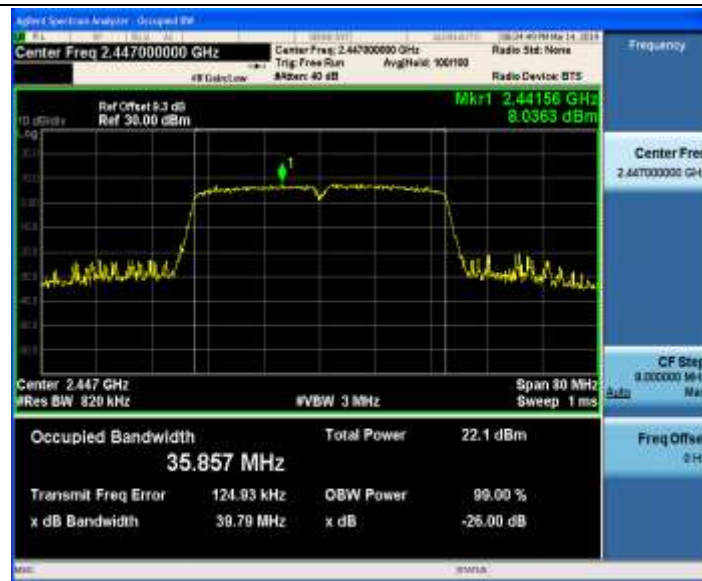
11N40SISO_Ant1_2427



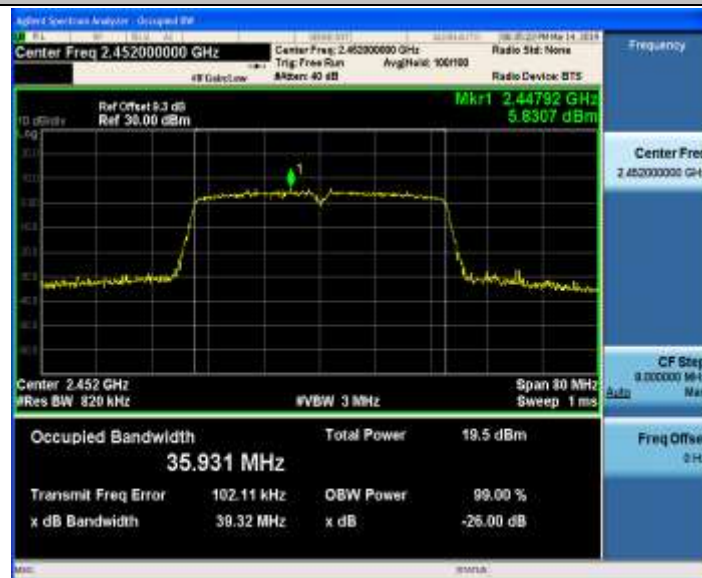
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





Appendix C: Duty Cycle

Test Result

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



Test Graphs

11B_Ant1_2412



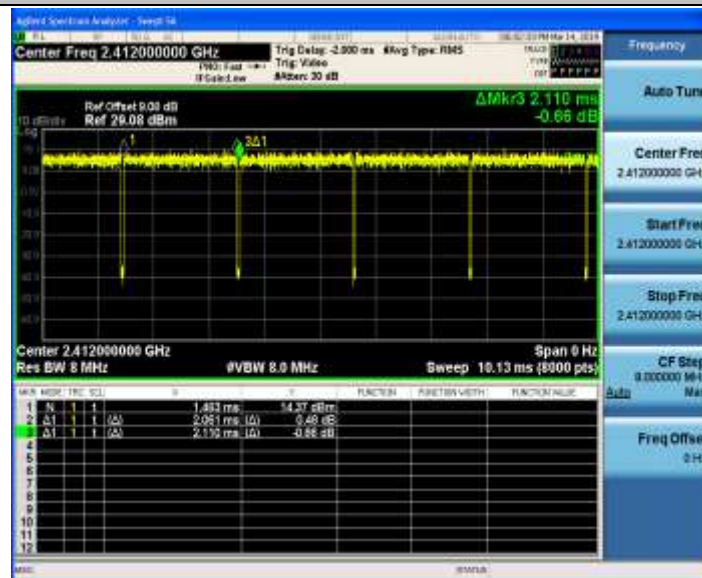
11B_Ant1_2437



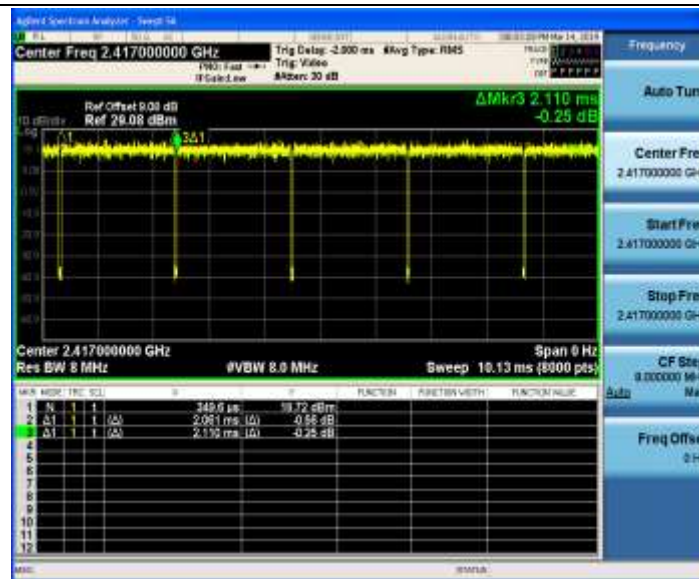
11B_Ant1_2462



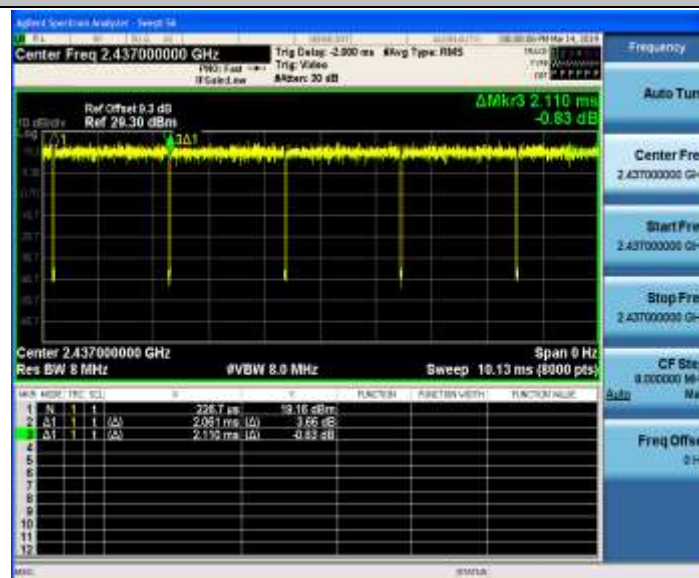
11G_Ant1_2412



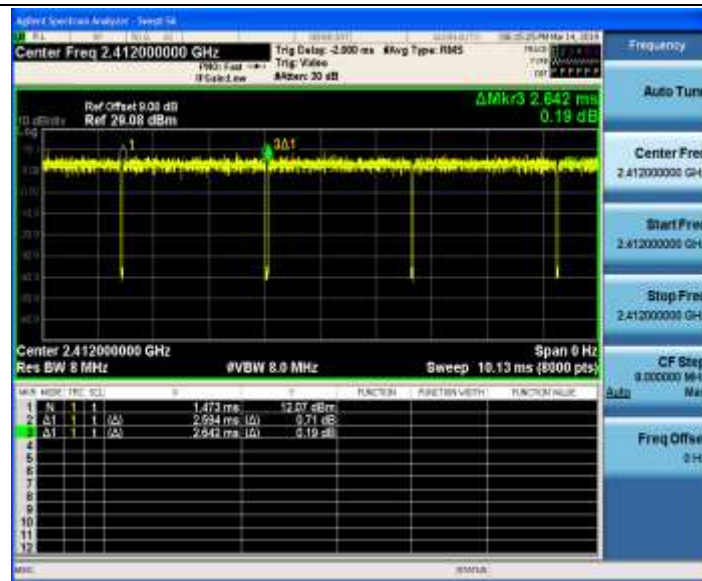
11G_Ant1_2417



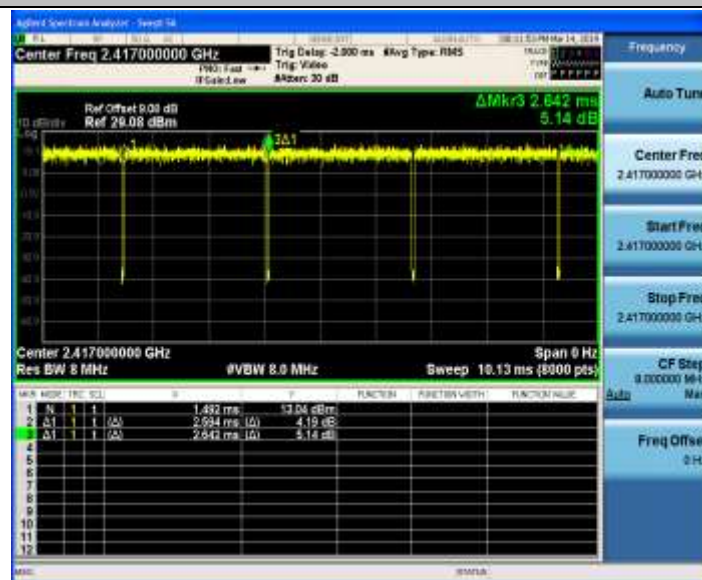
11G_Ant1_2437



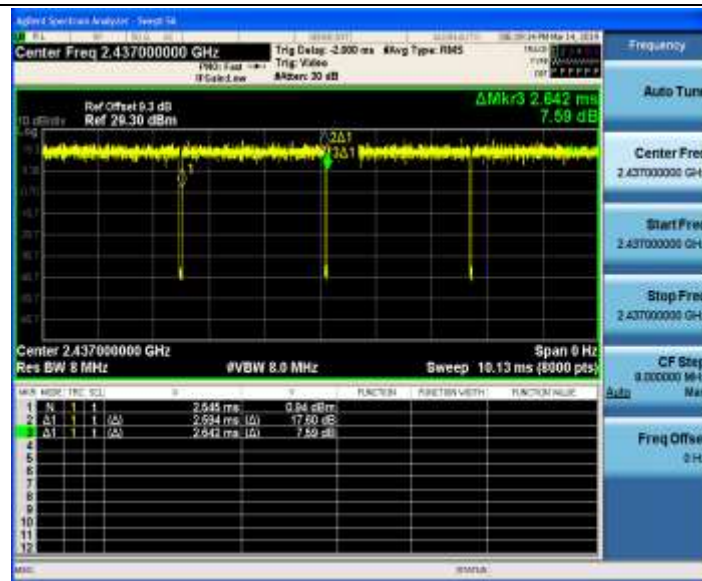
11G_Ant1_2457



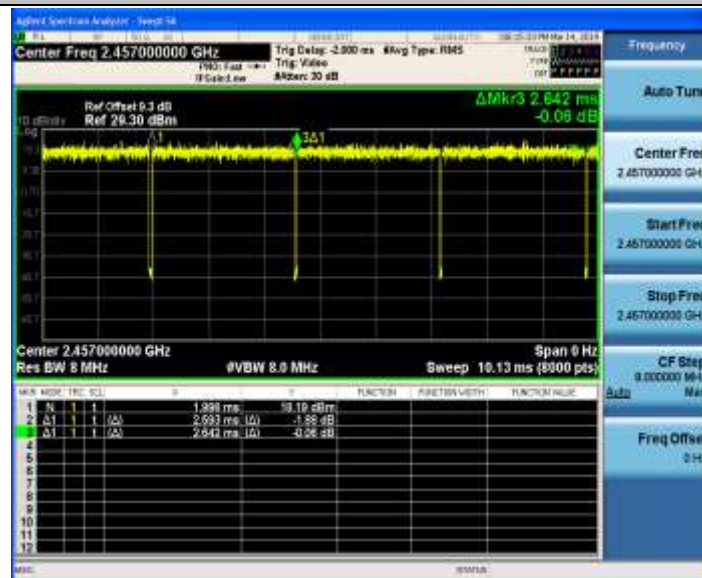
11N20SISO_Ant1_2417



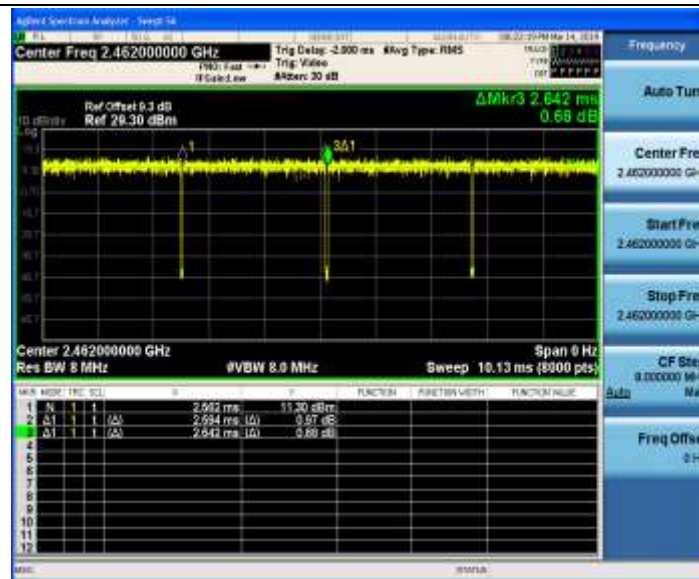
11N20SISO_Ant1_2437



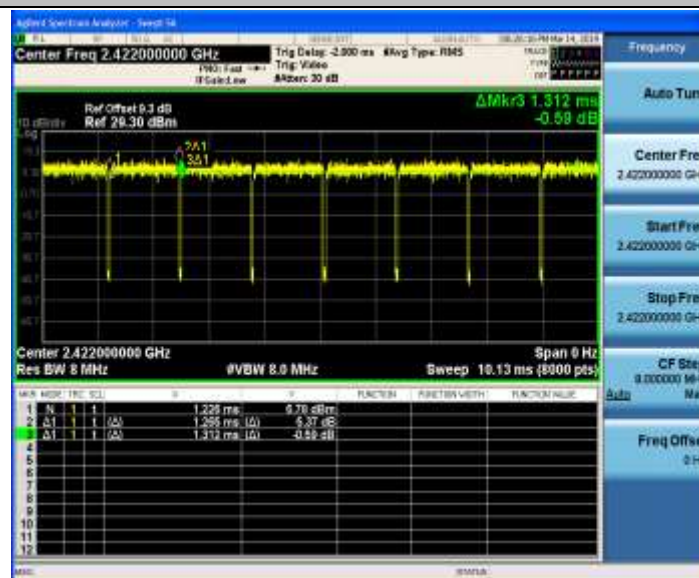
11N20SISO_Ant1_2457



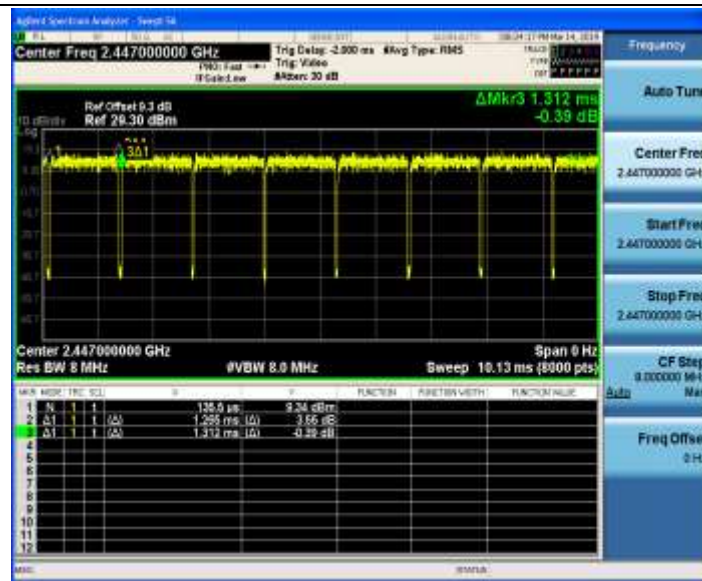
11N20SISO_Ant1_2462



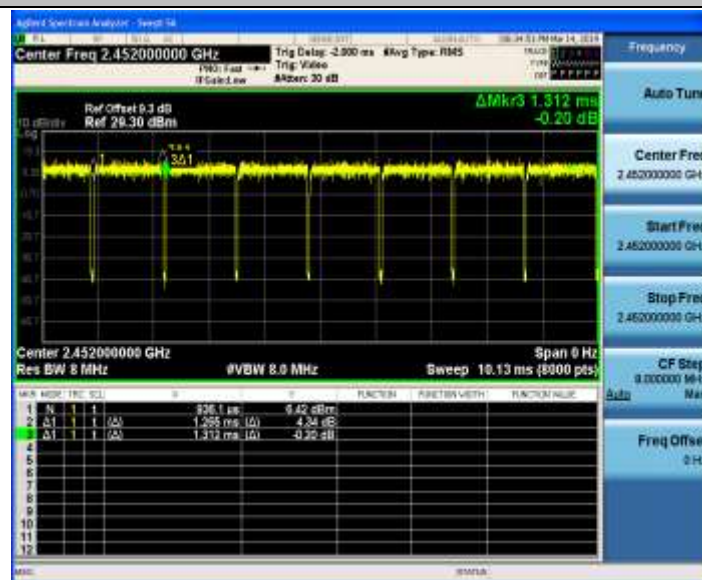
11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2452





Appendix D: Maximum Average conducted output power

Test Result

TestMode	Antenna	Channel	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	17.08	30	14.58	36	PASS
		2437	16.90	30	14.4	36	PASS
		2462	16.91	30	14.41	36	PASS
11G	Ant1	2412	12.99	30	10.49	36	PASS
		2417	17.50	30	15	36	PASS
		2437	17.56	30	15.06	36	PASS
		2457	17.37	30	14.87	36	PASS
		2462	12.92	30	10.42	36	PASS
11N20SISO	Ant1	2412	11.07	30	8.57	36	PASS
		2417	16.99	30	14.49	36	PASS
		2437	17.04	30	14.54	36	PASS
		2457	16.88	30	14.38	36	PASS
		2462	10.61	30	8.11	36	PASS
11N40SISO	Ant1	2422	13.28	30	10.78	36	PASS
		2427	16.30	30	13.8	36	PASS
		2437	16.05	30	13.55	36	PASS
		2447	15.21	30	12.71	36	PASS
		2452	12.57	30	10.07	36	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 E: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.74	8	PASS
		2437	-8.62	8	PASS
		2462	-8.98	8	PASS
11G	Ant1	2412	-16.49	8	PASS
		2417	-11.46	8	PASS
		2437	-11.51	8	PASS
		2457	-11.46	8	PASS
		2462	-16.38	8	PASS
11N20SISO	Ant1	2412	-18.45	8	PASS
		2417	-12.33	8	PASS
		2437	-12.17	8	PASS
		2457	-12.34	8	PASS
		2462	-18.83	8	PASS
11N40SISO	Ant1	2422	-18.82	8	PASS
		2427	-15.44	8	PASS
		2437	-15.33	8	PASS
		2447	-16.47	8	PASS
		2452	-18.98	8	PASS



Test Graphs

11B_Ant1_2412



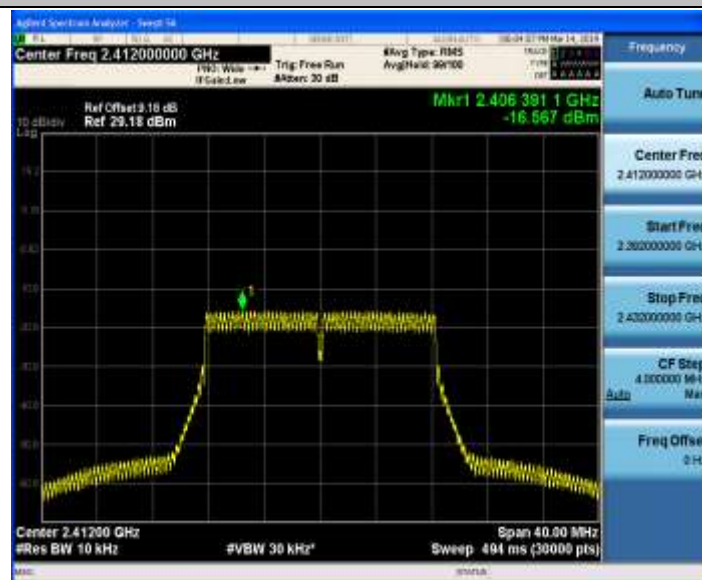
11B_Ant1_2437



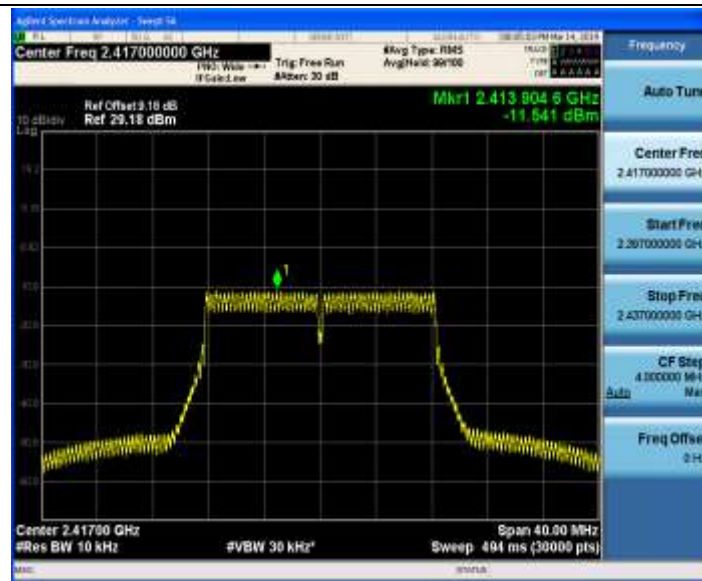
11B_Ant1_2462



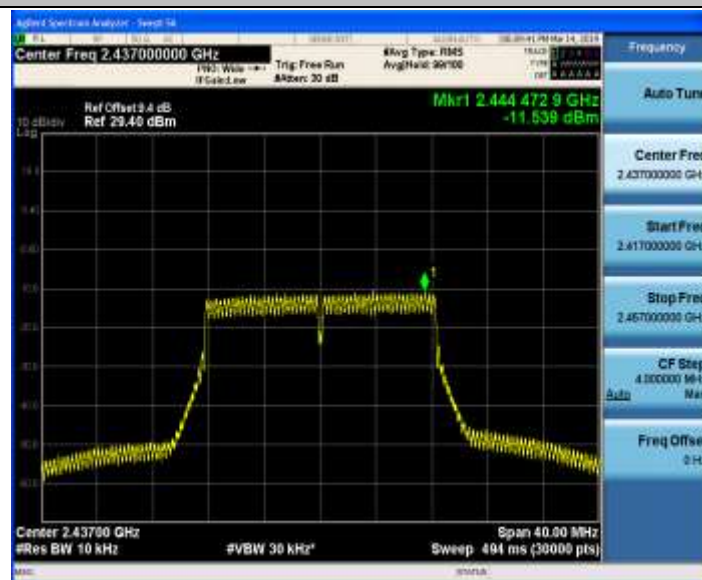
11G_Ant1_2412



11G_Ant1_2417



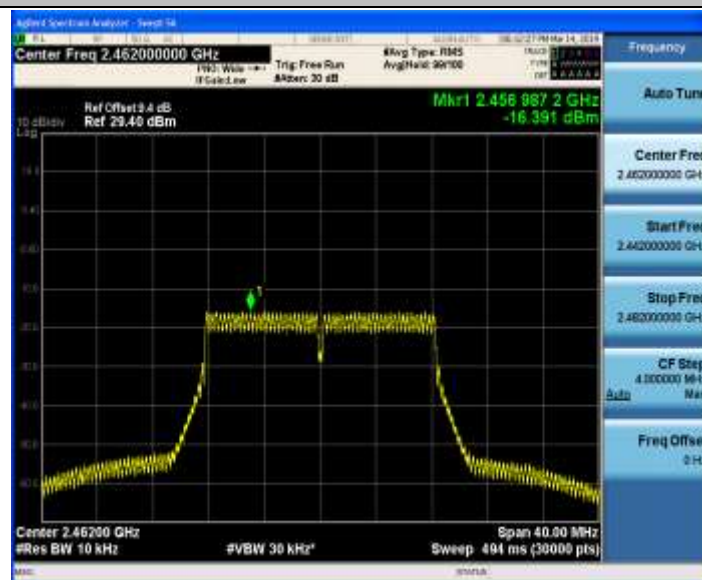
11G_Ant1_2437



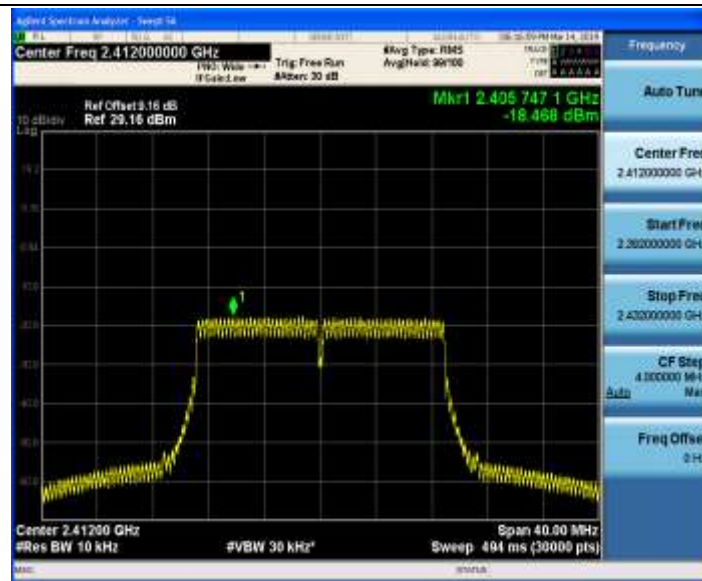
11G_Ant1_2457



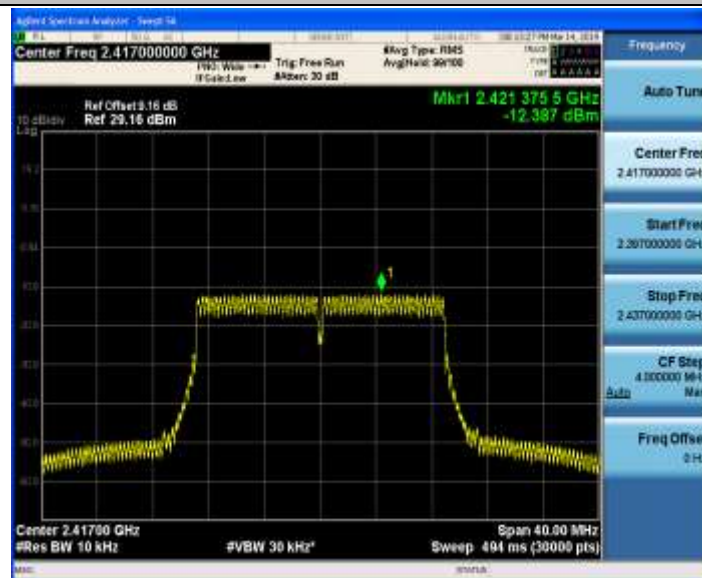
11G_Ant1_2462



11N20SISO_Ant1_2412



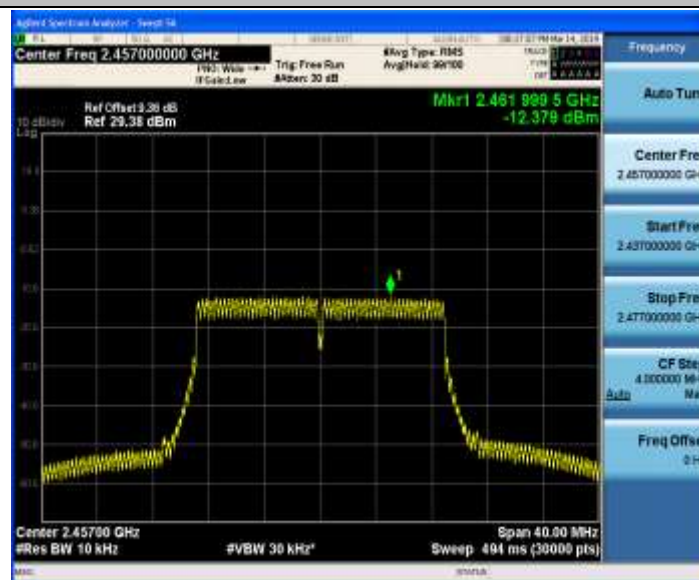
11N20SISO_Ant1_2417



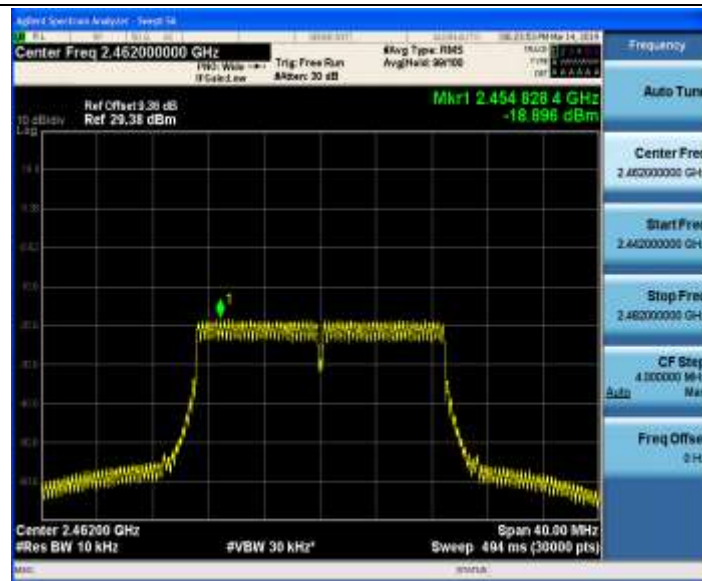
11N20SISO_Ant1_2437



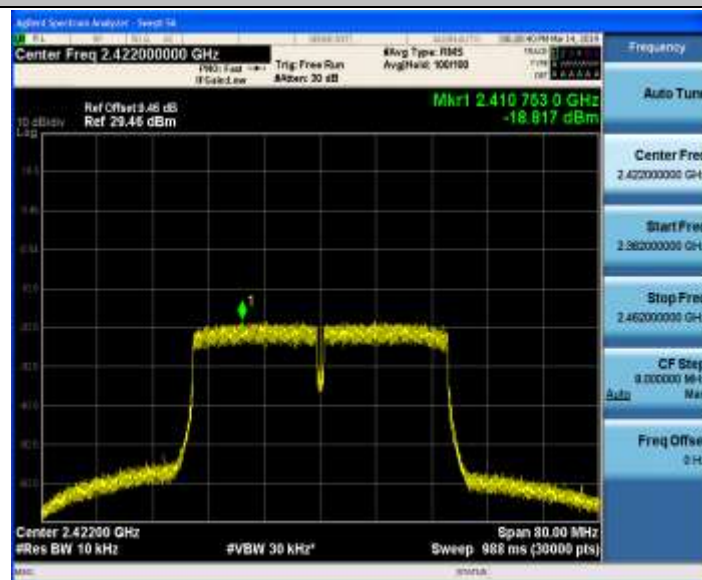
11N20SISO_Ant1_2457



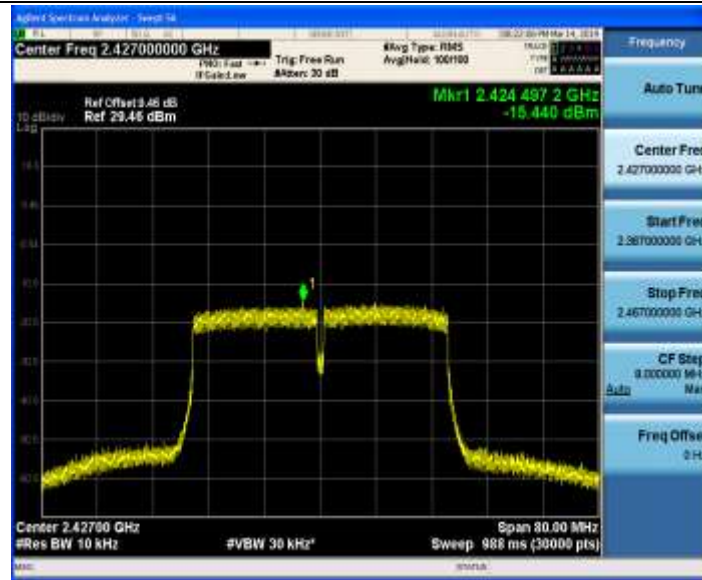
11N20SISO_Ant1_2462



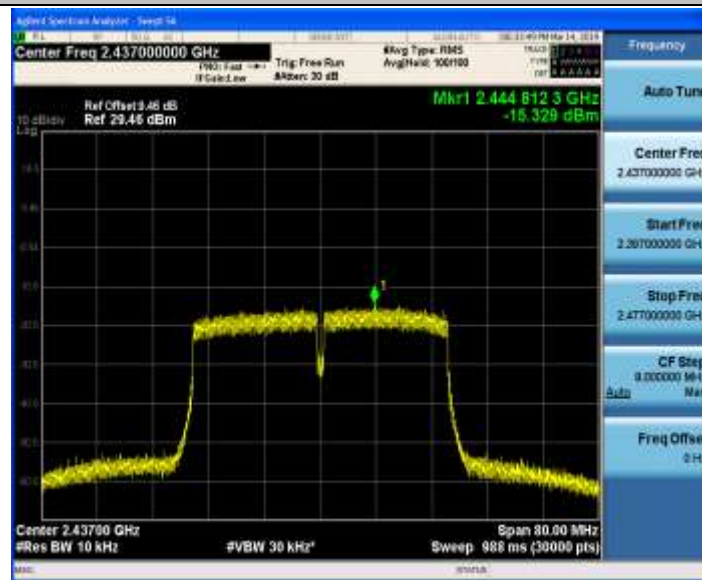
11N40SISO_Ant1_2422



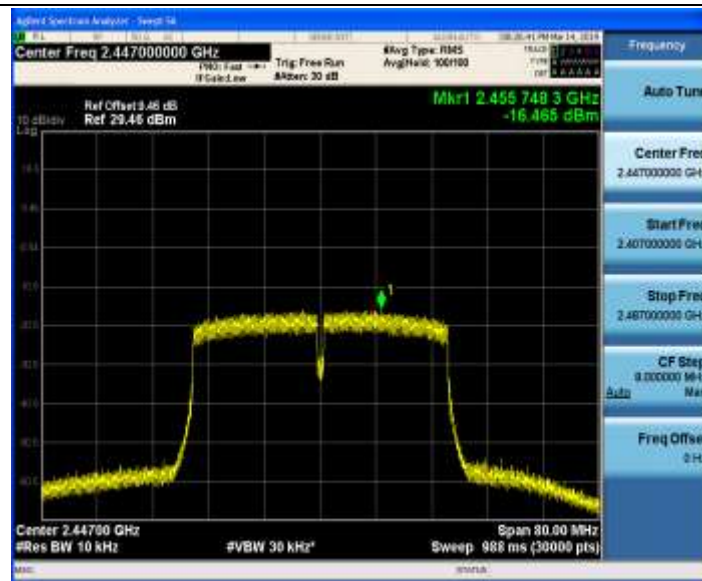
11N40SISO_Ant1_2427



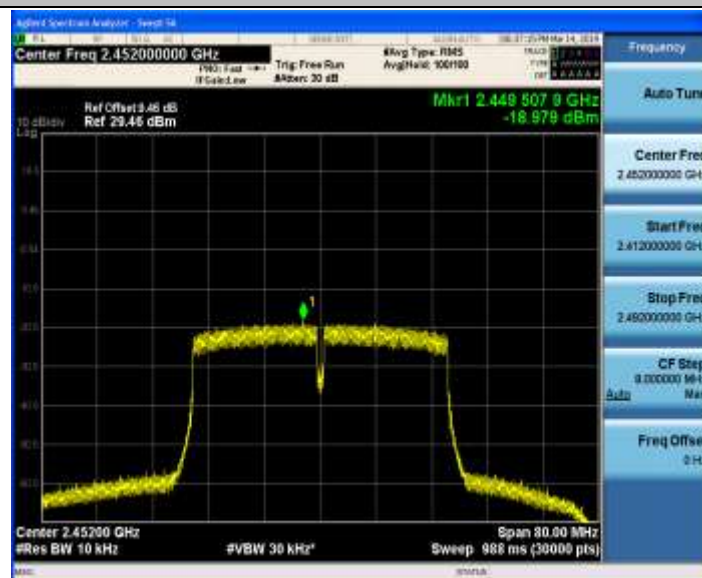
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452





Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	8.88	-36.98	-21.12	PASS
		High	2462	8.36	-47.58	-21.64	PASS
11G	Ant1	Low	2412	1.68	-34.46	-28.32	PASS
			2417	5.71	-30.83	-24.29	PASS
		High	2457	5.97	-45.88	-24.03	PASS
			2462	1.61	-46.33	-28.39	PASS
11N20SISO	Ant1	Low	2412	-0.40	-36.91	-30.4	PASS
			2417	5.46	-31.56	-24.54	PASS
		High	2457	5.42	-45.31	-24.58	PASS
			2462	-0.66	-46.76	-30.66	PASS
11N40SISO	Ant1	Low	2422	-0.91	-35.98	-30.91	PASS
			2427	1.83	-29.22	-28.17	PASS
		High	2447	1.56	-41.9	-28.44	PASS
			2452	-1.44	-42.05	-31.44	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: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	Reference	8.36	8.36	---	PASS
			0.009~30	0.009~30	-74.12	-31.64	PASS
			30~1000	30~1000	-62.18	-21.64	PASS
			1000~2650 0	1000~2650 0	-36.67	-21.64	PASS
		2437	Reference	8.52	8.52	---	PASS
			0.009~30	0.009~30	-74.74	-31.48	PASS
			30~1000	30~1000	-62.74	-21.48	PASS
			1000~2650 0	1000~2650 0	-36.31	-21.48	PASS
		2462	Reference	7.81	7.81	---	PASS
			0.009~30	0.009~30	-74.19	-32.19	PASS
			30~1000	30~1000	-62.83	-22.19	PASS
			1000~2650 0	1000~2650 0	-36.32	-22.19	PASS
11G	Ant1	2412	Reference	1.44	1.44	---	PASS
			0.009~30	0.009~30	-75.25	-38.56	PASS
			30~1000	30~1000	-62.55	-28.56	PASS
			1000~2650 0	1000~2650 0	-37.44	-28.56	PASS
		2417	Reference	5.97	5.97	---	PASS
			0.009~30	0.009~30	-74.85	-34.03	PASS
			30~1000	30~1000	-63.38	-24.03	PASS
			1000~2650 0	1000~2650 0	-37.44	-24.03	PASS
		2437	Reference	5.83	5.83	---	PASS
			0.009~30	0.009~30	-73.58	-34.17	PASS
			30~1000	30~1000	-62.91	-24.17	PASS
			1000~2650 0	1000~2650 0	-36.83	-24.17	PASS
		2457	Reference	6.00	6.00	---	PASS
			0.009~30	0.009~30	-74.69	-34	PASS
			30~1000	30~1000	-62.71	-24	PASS
			1000~2650	1000~2650	-36.62	-24	PASS



			0	0			
		2462	Reference	1.64	1.64	---	PASS
			0.009~30	0.009~30	-74.54	-38.36	PASS
			30~1000	30~1000	-62.74	-28.36	PASS
			1000~2650 0	1000~2650 0	-37.05	-28.36	PASS
11N20SIS O	Ant1	2412	Reference	-0.81	-0.81	---	PASS
			0.009~30	0.009~30	-75.25	-40.81	PASS
			30~1000	30~1000	-63.14	-30.81	PASS
			1000~2650 0	1000~2650 0	-37.13	-30.81	PASS
		2417	Reference	5.50	5.50	---	PASS
			0.009~30	0.009~30	-74.52	-34.5	PASS
			30~1000	30~1000	-62.75	-24.5	PASS
			1000~2650 0	1000~2650 0	-36.55	-24.5	PASS
		2437	Reference	5.84	5.84	---	PASS
			0.009~30	0.009~30	-74.57	-34.16	PASS
			30~1000	30~1000	-63.17	-24.16	PASS
			1000~2650 0	1000~2650 0	-36.78	-24.16	PASS
		2457	Reference	4.82	4.82	---	PASS
			0.009~30	0.009~30	-74.35	-35.18	PASS
			30~1000	30~1000	-62.1	-25.18	PASS
			1000~2650 0	1000~2650 0	-36.89	-25.18	PASS
		2462	Reference	-0.75	-0.75	---	PASS
			0.009~30	0.009~30	-74.14	-40.75	PASS
			30~1000	30~1000	-62.34	-30.75	PASS
			1000~2650 0	1000~2650 0	-35.84	-30.75	PASS
11N40SIS O	Ant1	2422	Reference	-1.17	-1.17	---	PASS
			0.009~30	0.009~30	-73.03	-41.17	PASS
			30~1000	30~1000	-62.36	-31.17	PASS
			1000~2650 0	1000~2650 0	-36.86	-31.17	PASS
		2427	Reference	2.41	2.41	---	PASS
			0.009~30	0.009~30	-74.6	-37.59	PASS
			30~1000	30~1000	-62.8	-27.59	PASS



			1000~2650 0	1000~2650 0	-36.75	-27.59	PASS
		2437	Reference	2.54	2.54	---	PASS
			0.009~30	0.009~30	-73.85	-37.46	PASS
			30~1000	30~1000	-63.1	-27.46	PASS
			1000~2650 0	1000~2650 0	-37.27	-27.46	PASS
		2447	Reference	1.47	1.47	---	PASS
			0.009~30	0.009~30	-74.53	-38.53	PASS
			30~1000	30~1000	-62.51	-28.53	PASS
			1000~2650 0	1000~2650 0	-37.13	-28.53	PASS
		2452	Reference	-1.60	-1.60	---	PASS
			0.009~30	0.009~30	-74.73	-41.6	PASS
			30~1000	30~1000	-62.49	-31.6	PASS
			1000~2650 0	1000~2650 0	-36.76	-31.6	PASS

Test Graphs





11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_0.009~30



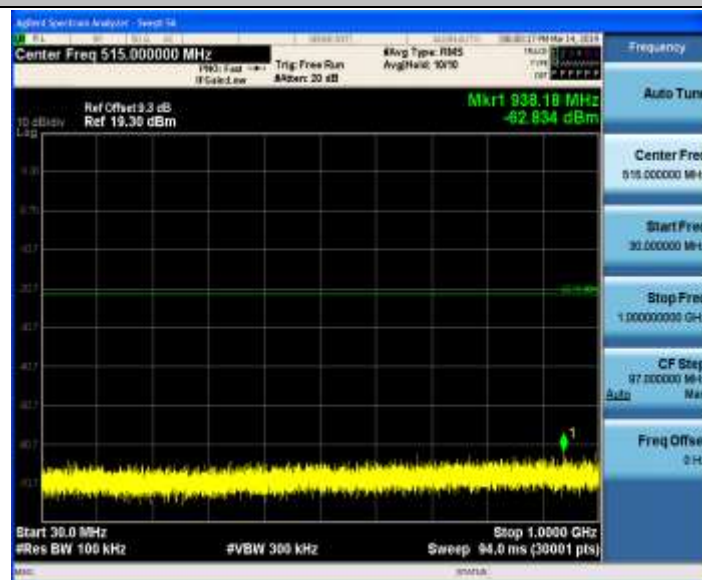
11B_Ant1_2462_0~Reference



11B_Ant1_2462_0.009~30



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



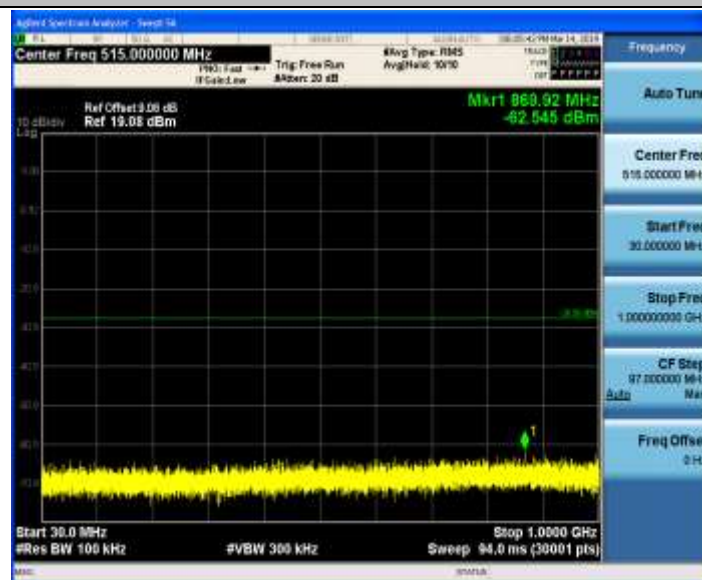
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11G_Ant1_2412_0.009~30



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



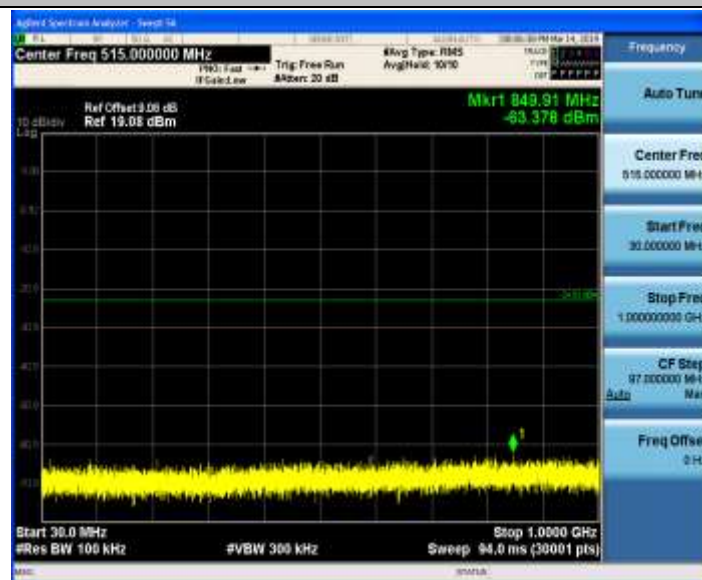
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11G_Ant1_2417_0.009~30



11G_Ant1_2417_30~1000



11G_Ant1_2417_1000~26500



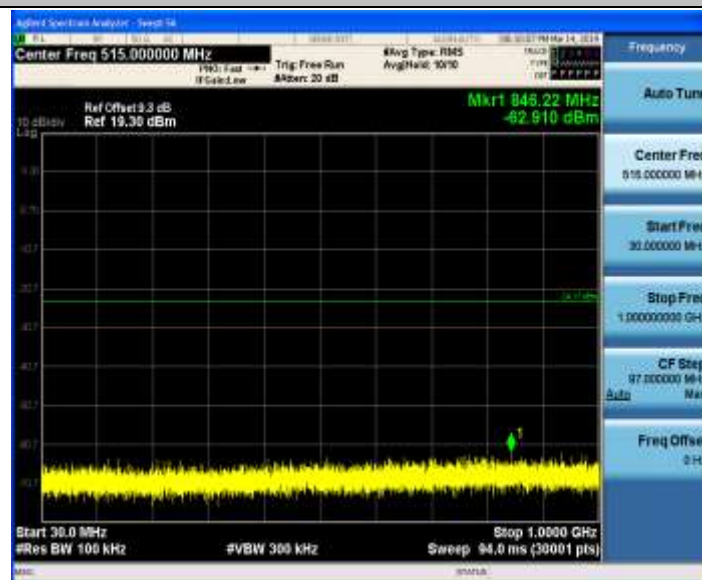
11G_Ant1_2437_0~Reference



11G_Ant1_2437_0.009~30



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



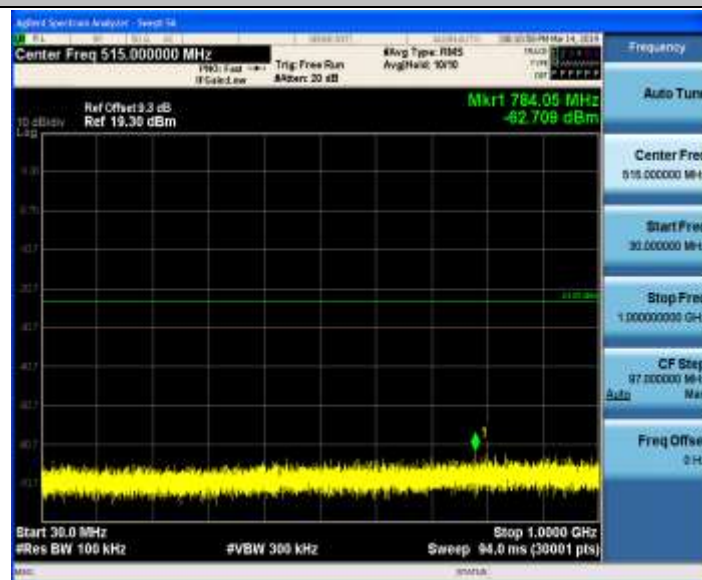
11G_Ant1_2457_0~Reference



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



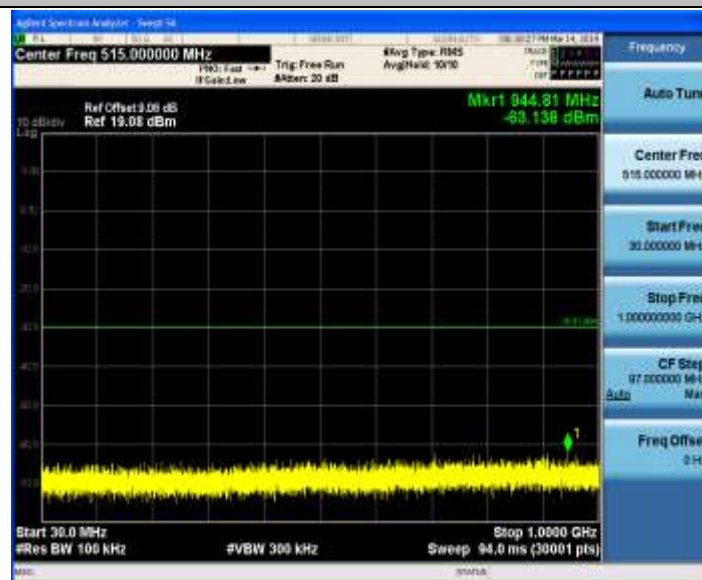
11N20SISO_Ant1_2412_0~Reference



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



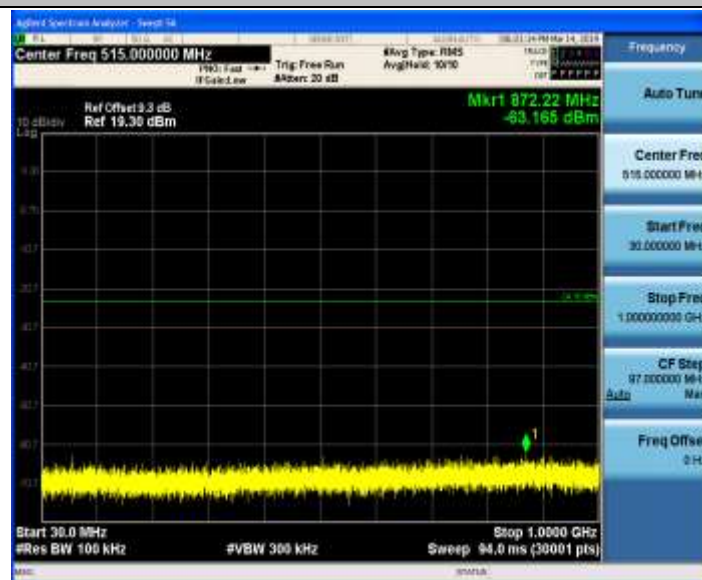
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_0.009~30



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



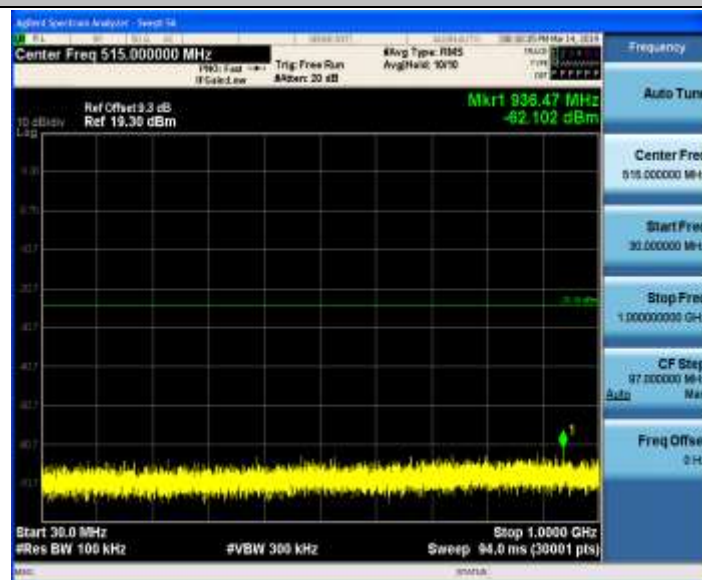
11N20SISO_Ant1_2457_0~Reference



11N20SISO_Ant1_2457_0.009~30



11N20SISO_Ant1_2457_30~1000



11N20SISO_Ant1_2457_1000~26500



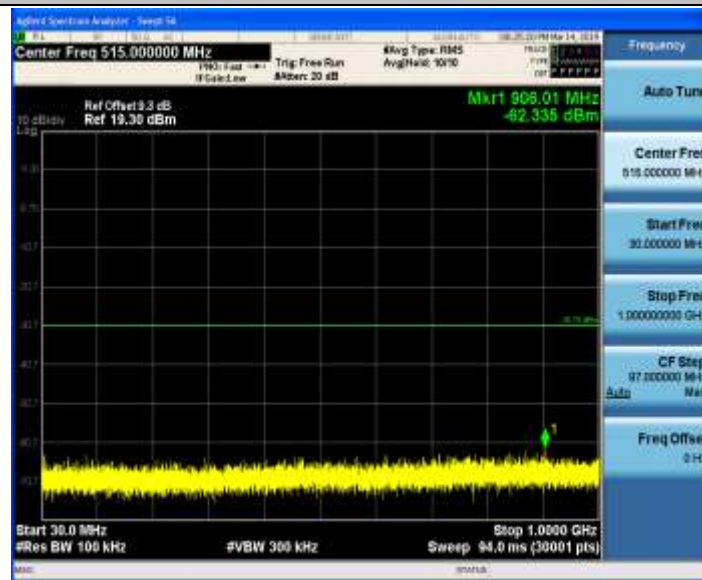
11N20SISO_Ant1_2462_0~Reference



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



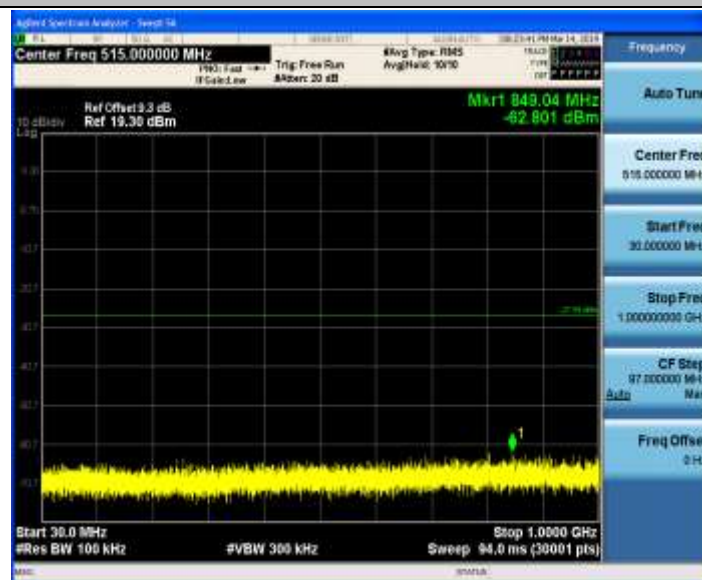
11N40SISO_Ant1_2427_0~Reference



11N40SISO_Ant1_2427_0.009~30



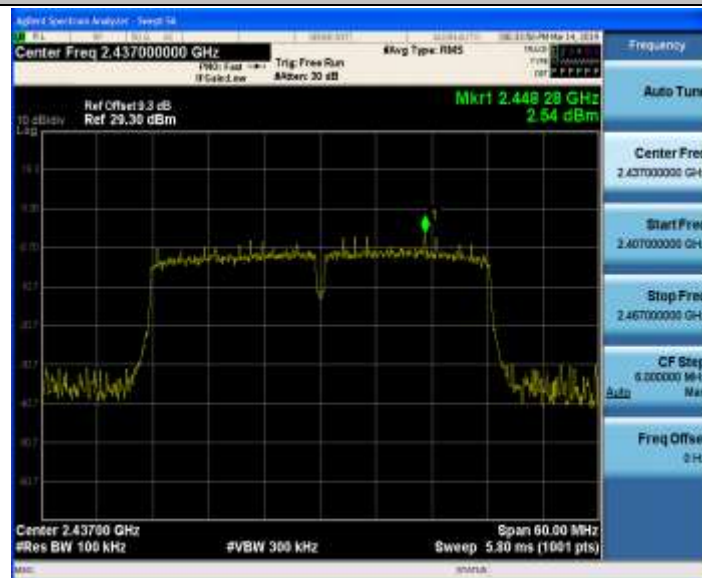
11N40SISO_Ant1_2427_30~1000



11N40SISO_Ant1_2427_1000~26500



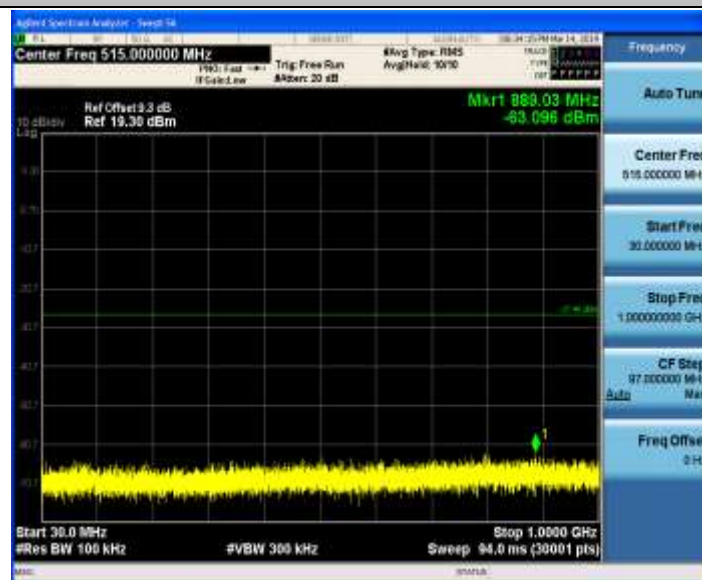
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_0.009~30



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



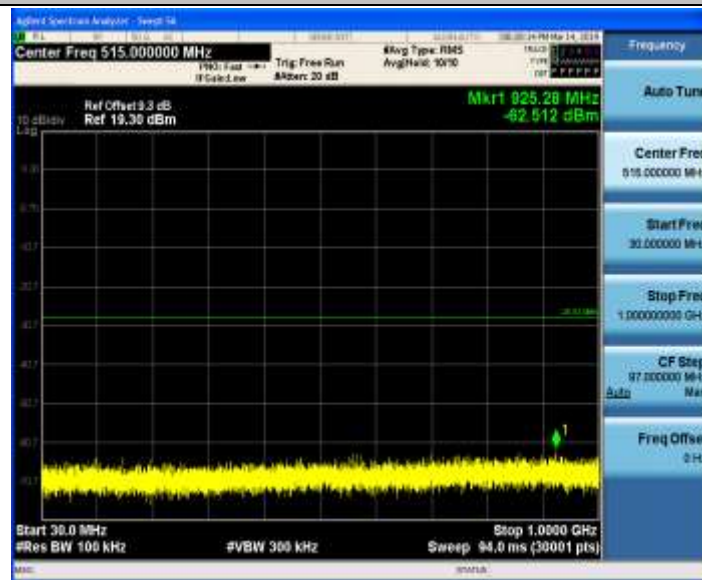
11N40SISO_Ant1_2447_0~Reference



11N40SISO_Ant1_2447_0.009~30



11N40SISO_Ant1_2447_30~1000



11N40SISO_Ant1_2447_1000~26500



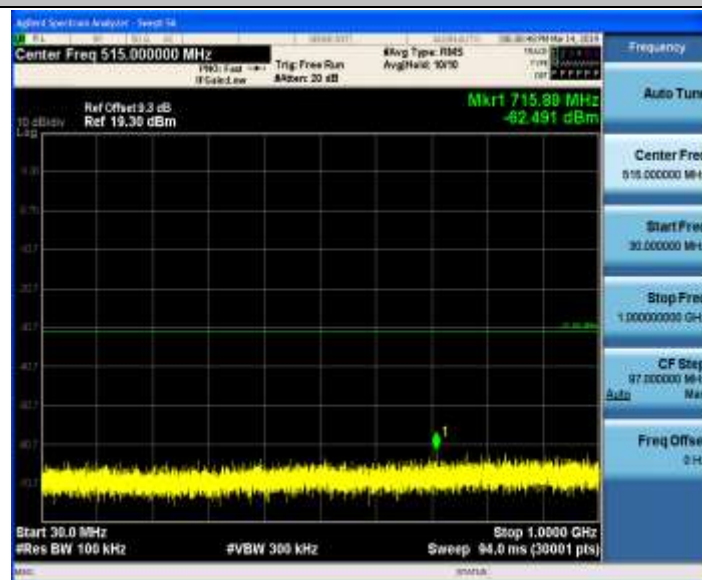
11N40ISO_Ant1_2452_0~Reference



11N40ISO_Ant1_2452_0.009~30



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500



END