



Appendix for Test report

Appendix A: DTS (6 dB) Bandwidth

Part I - Test Results

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.25	2408.06	2416.31	---	PASS
11B	Ant1	2437	8.12	2432.92	2441.04	---	PASS
11B	Ant1	2462	8.09	2458.07	2466.16	---	PASS
11G	Ant1	2412	16.38	2403.83	2420.21	---	PASS
11G	Ant1	2417	16.37	2408.82	2425.19	---	PASS
11G	Ant1	2437	16.37	2428.82	2445.2	---	PASS
11G	Ant1	2457	16.39	2448.83	2465.22	---	PASS
11G	Ant1	2462	16.38	2453.82	2470.2	---	PASS
11N20SISO	Ant1	2412	17.56	2403.24	2420.8	---	PASS
11N20SISO	Ant1	2417	17.58	2408.22	2425.8	---	PASS
11N20SISO	Ant1	2437	17.6	2428.21	2445.81	---	PASS
11N20SISO	Ant1	2457	17.59	2448.21	2465.8	---	PASS
11N20SISO	Ant1	2462	17.57	2453.23	2470.8	---	PASS
11N40SISO	Ant1	2422	35.46	2404.13	2439.58	---	PASS
11N40SISO	Ant1	2427	35.63	2409.13	2444.77	---	PASS
11N40SISO	Ant1	2437	35.8	2419.08	2454.88	---	PASS
11N40SISO	Ant1	2447	35.33	2429.44	2464.77	---	PASS
11N40SISO	Ant1	2452	35.2	2434.58	2469.79	---	PASS



Part II - Test Graphs

1.1 11B_Ant1_2412





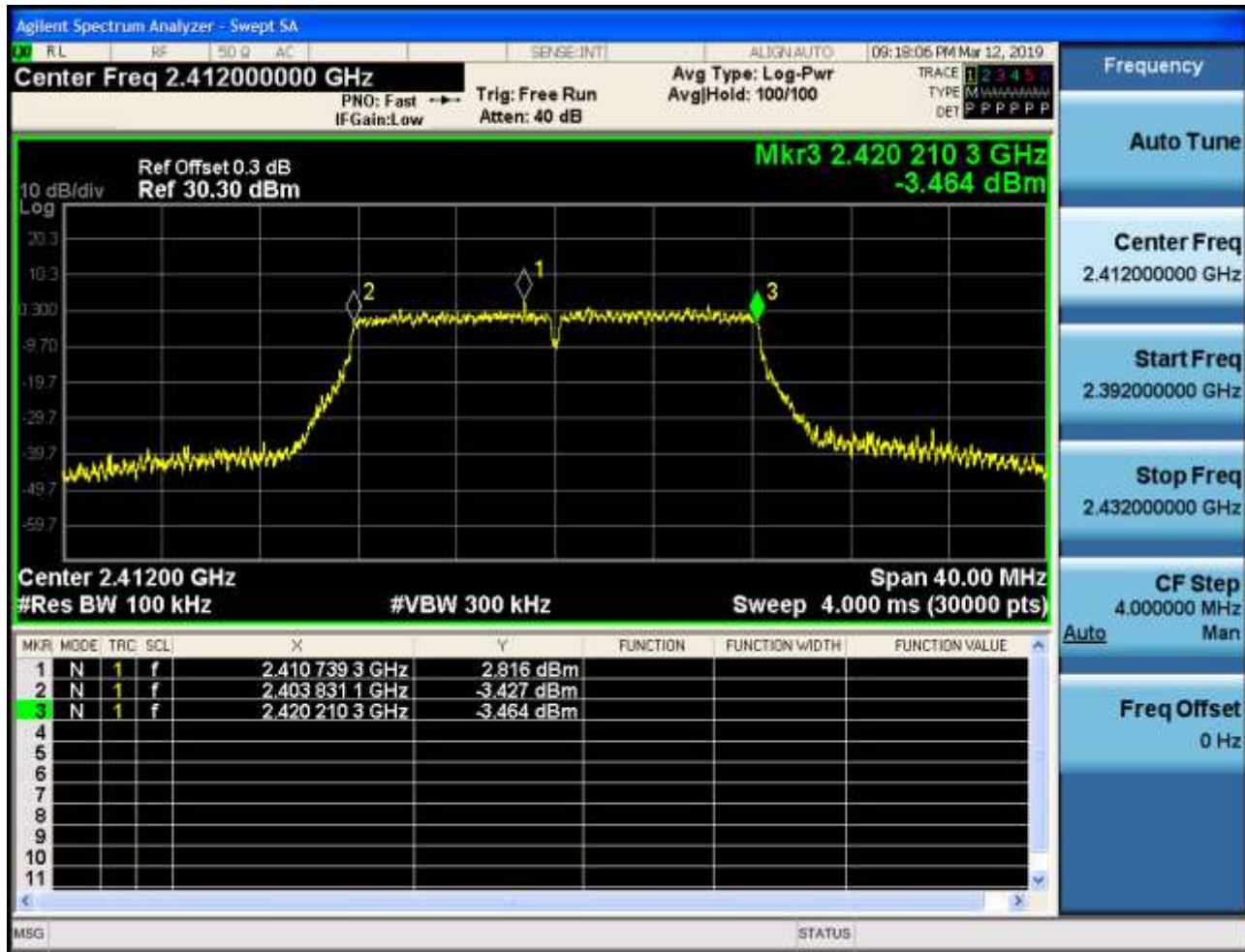
1.2 11B_Ant1_2437



1.3 11B_Ant1_2462

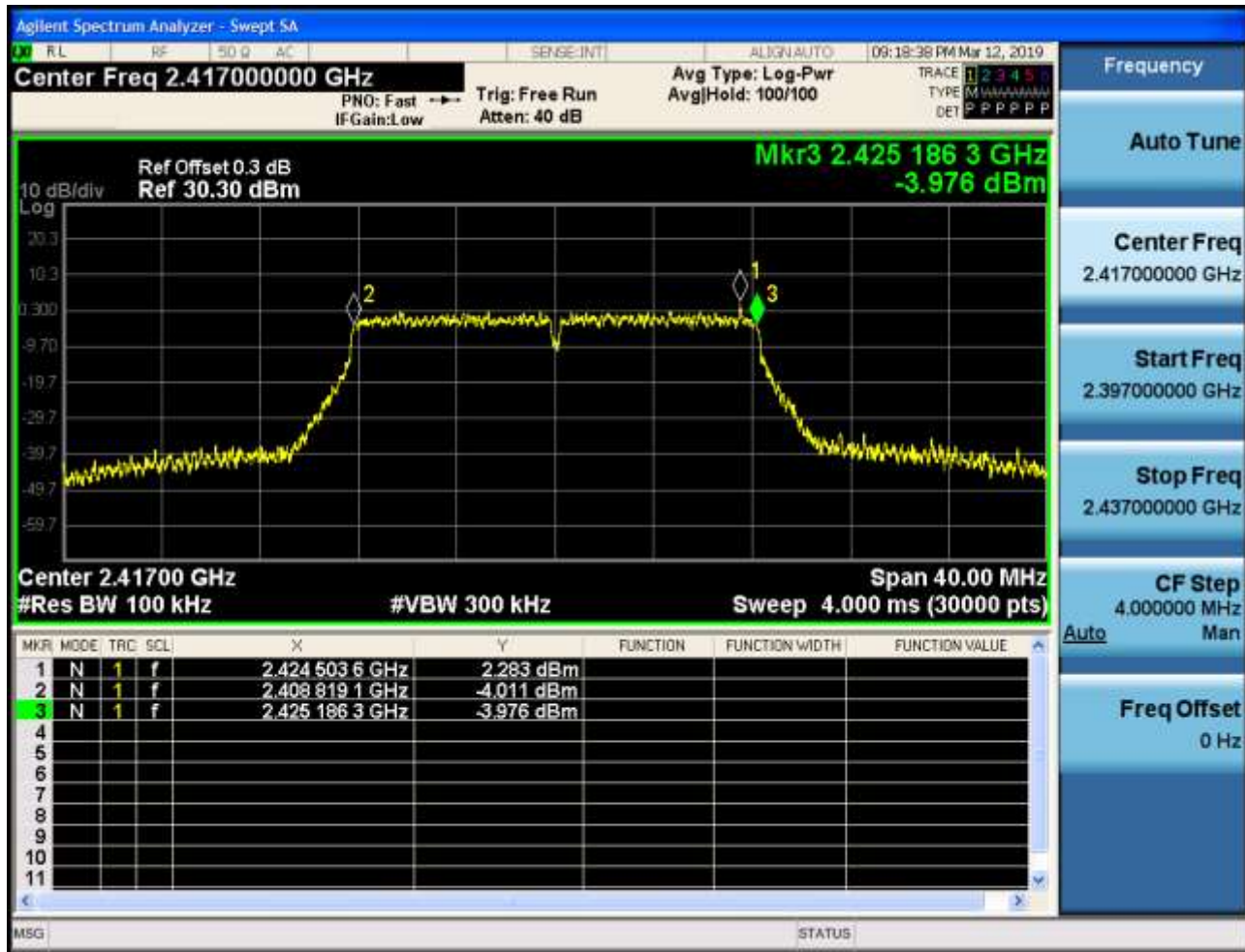


1.4 11G_Ant1_2412

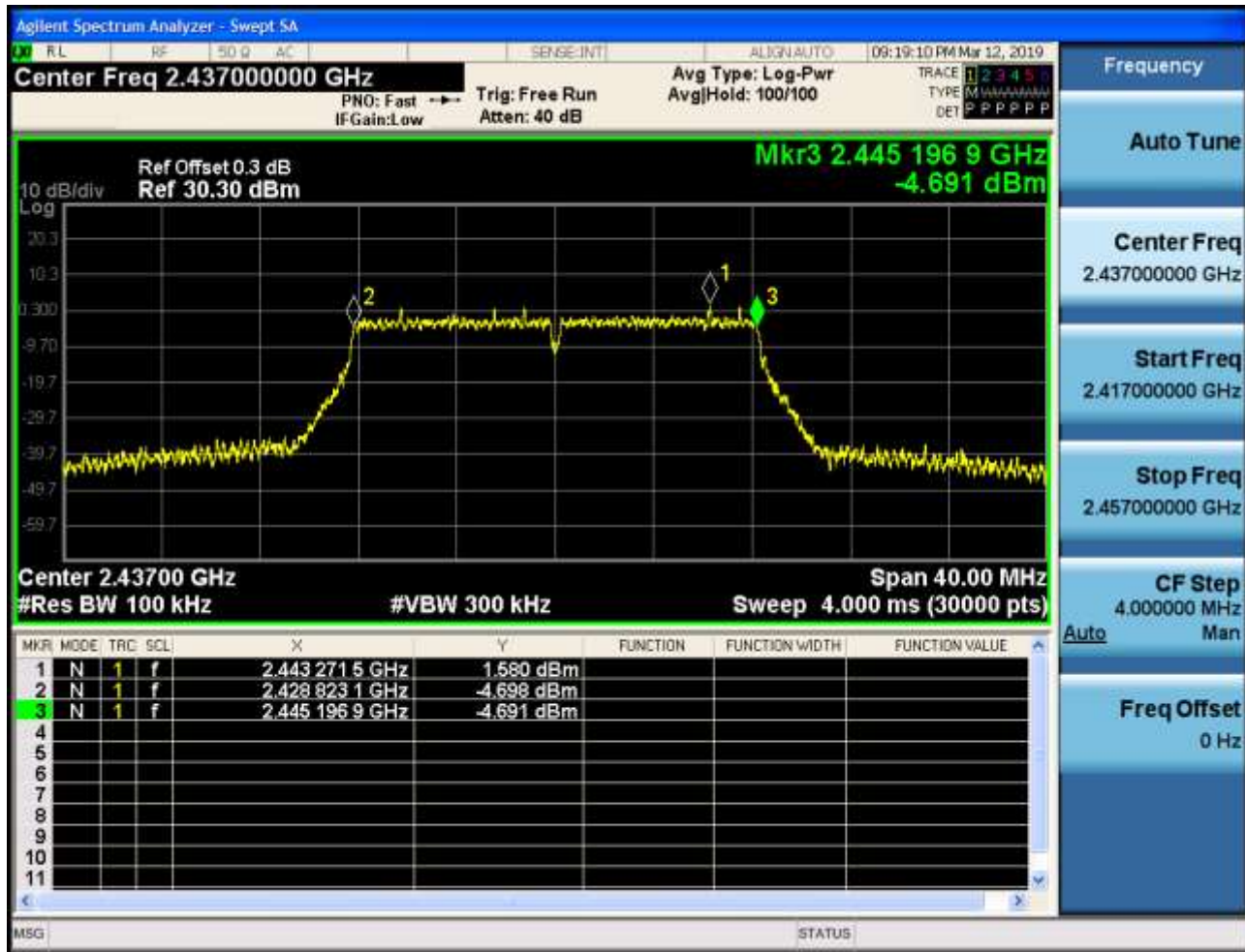




1.5 11G_Ant1_2417



1.6 11G_Ant1_2437

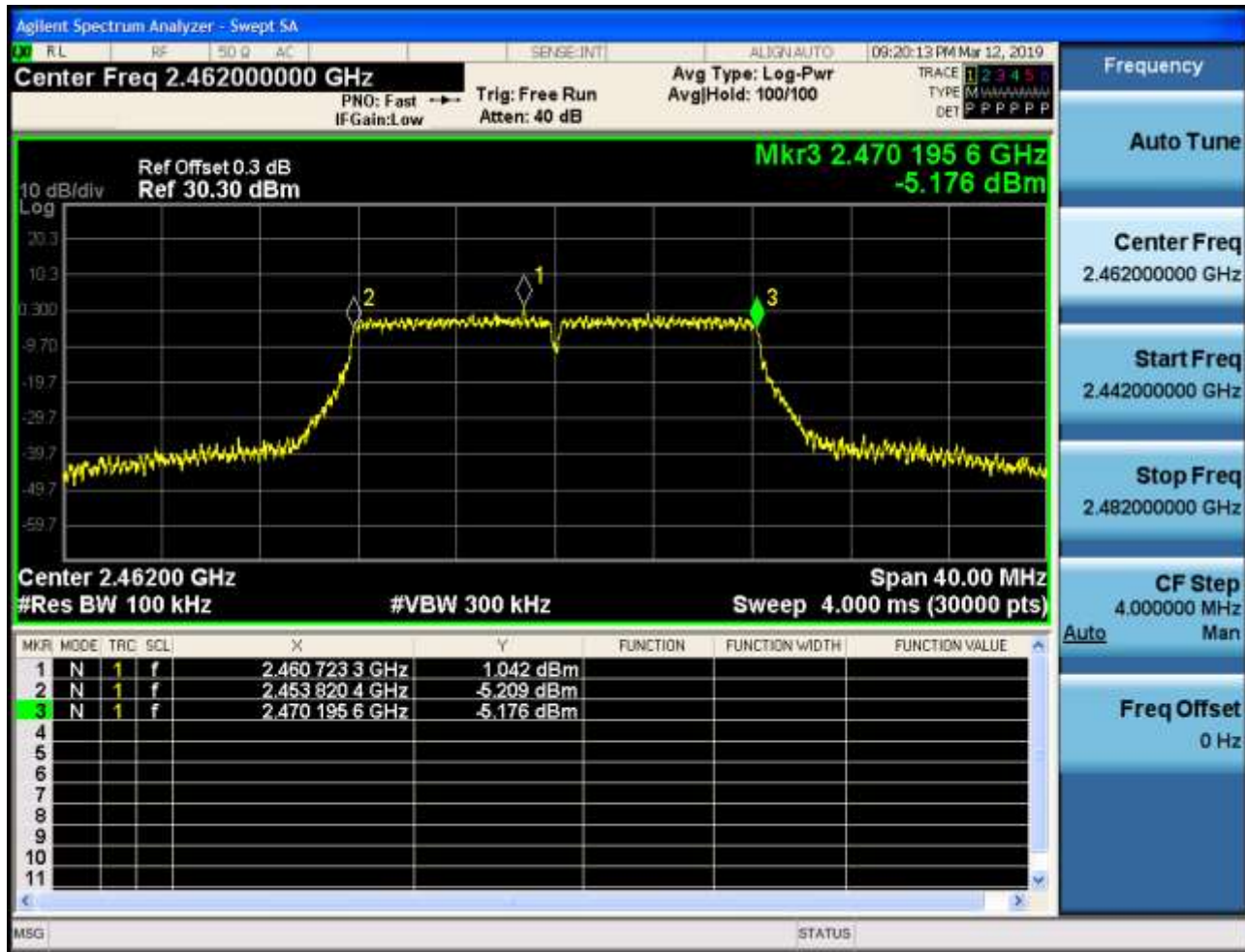


1.7 11G_Ant1_2457





1.8 11G_Ant1_2462



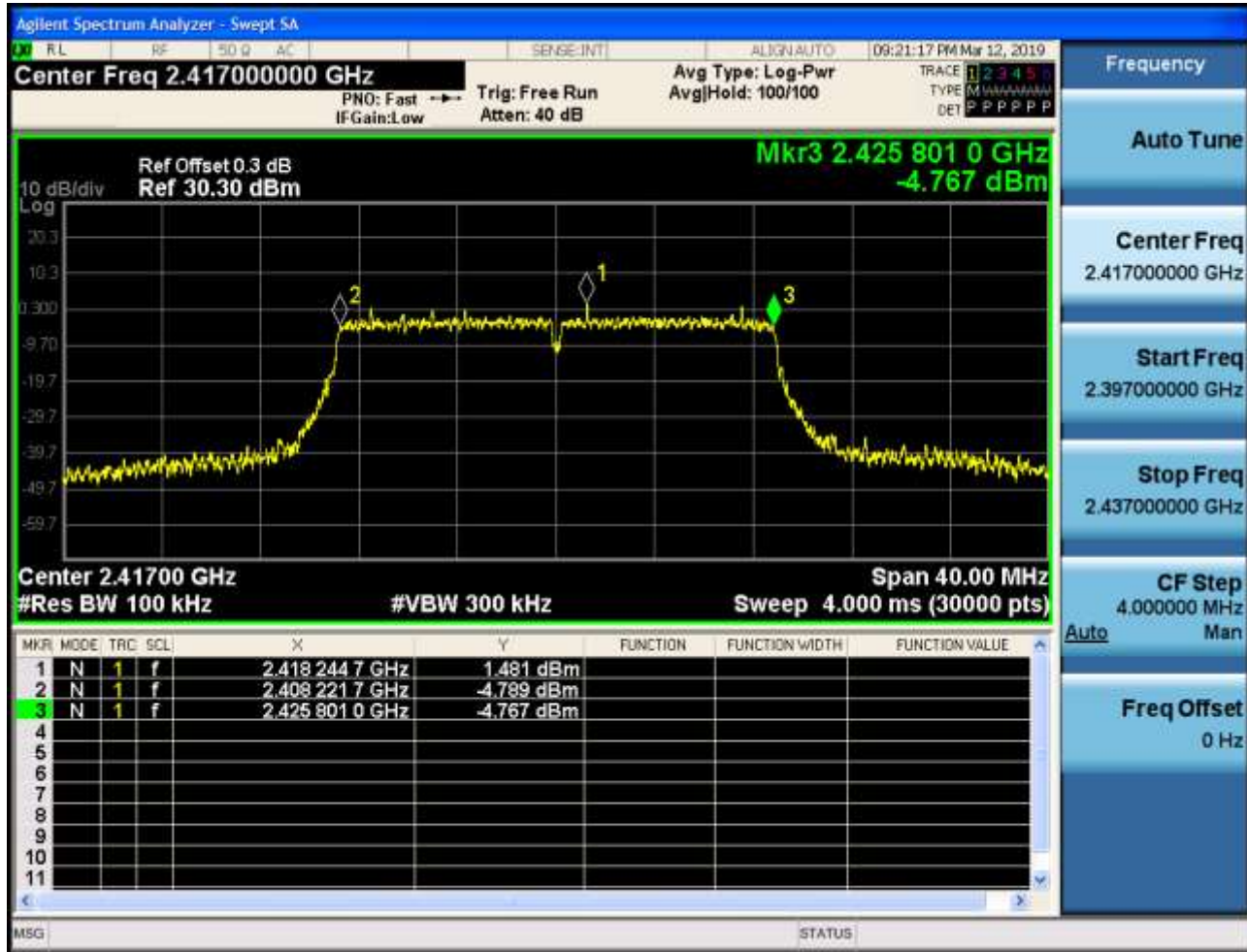


1.9 11N20SISO_Ant1_2412



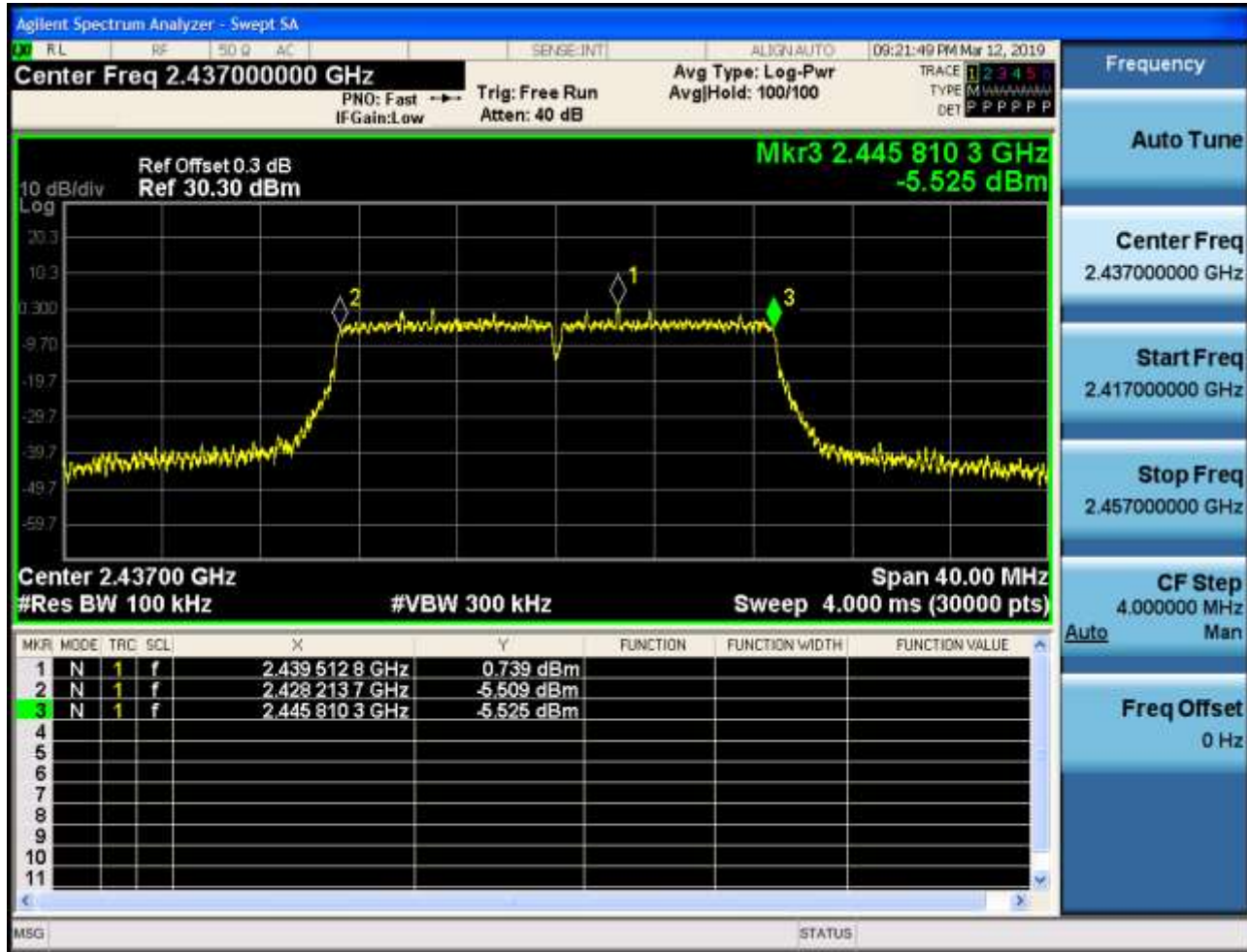


1.10 11N20SISO_Ant1_2417

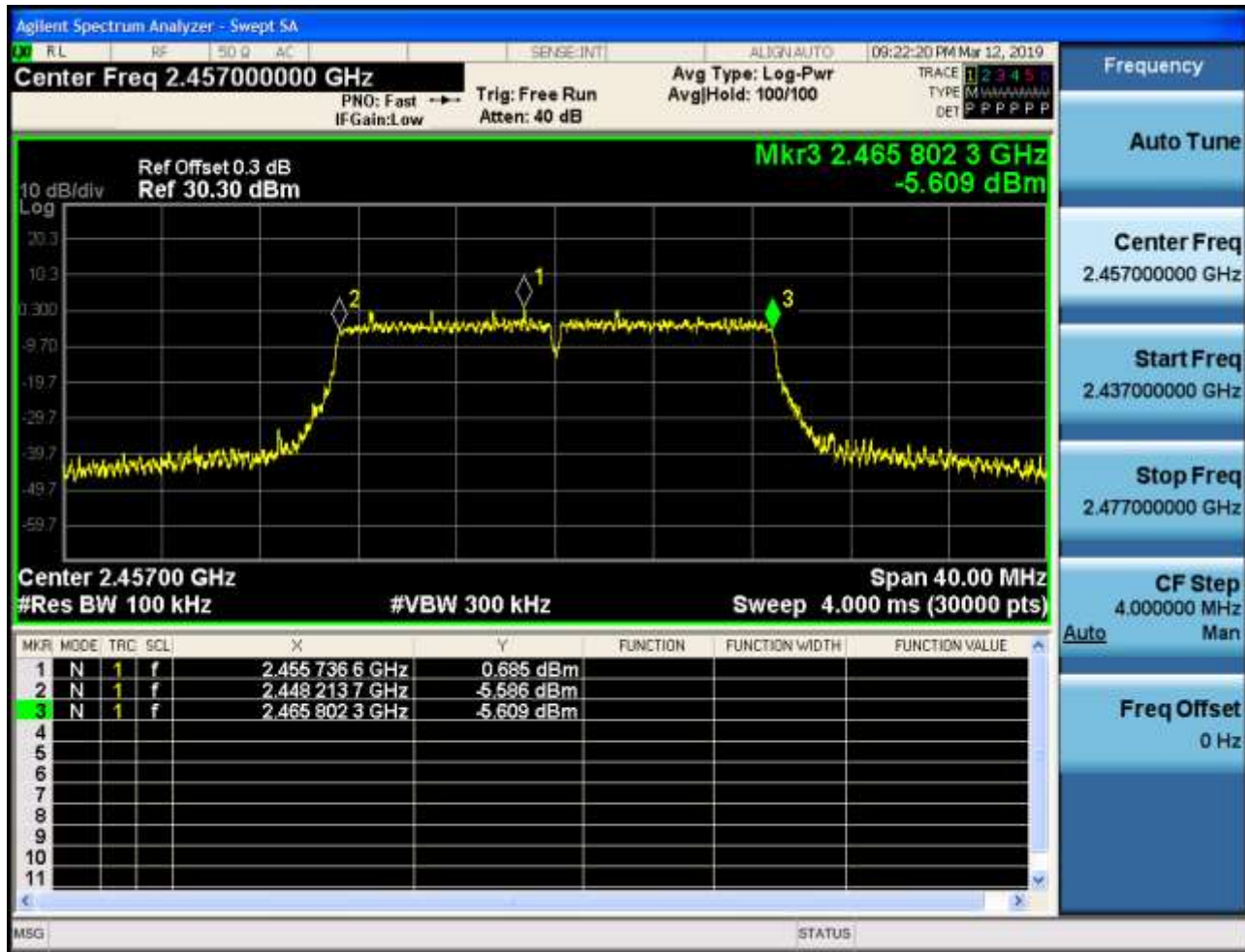




1.11 11N20SISO_Ant1_2437



1.12 11N20SISO_Ant1_2457



1.13 11N20SISO_Ant1_2462



1.14 11N40SISO_Ant1_2422

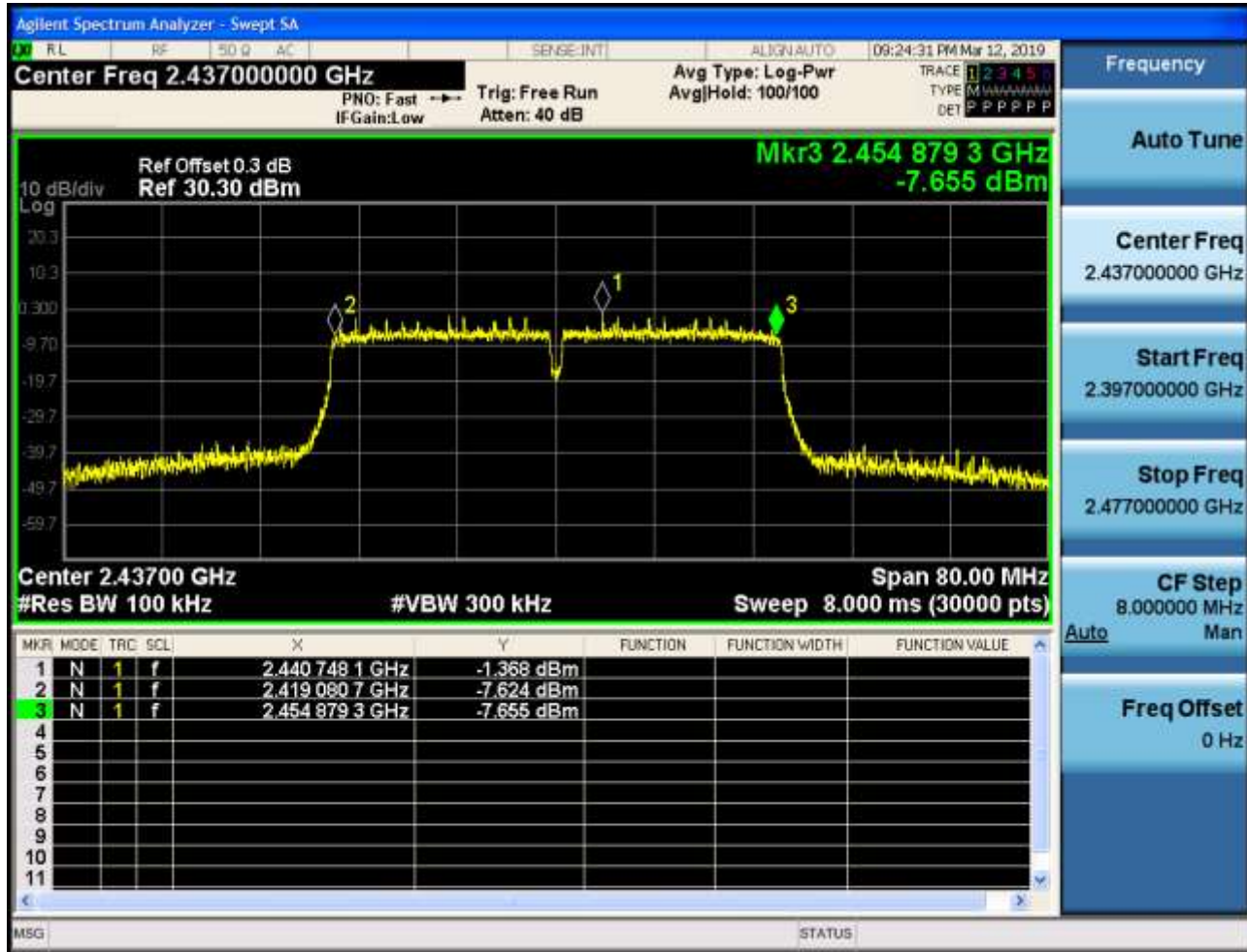




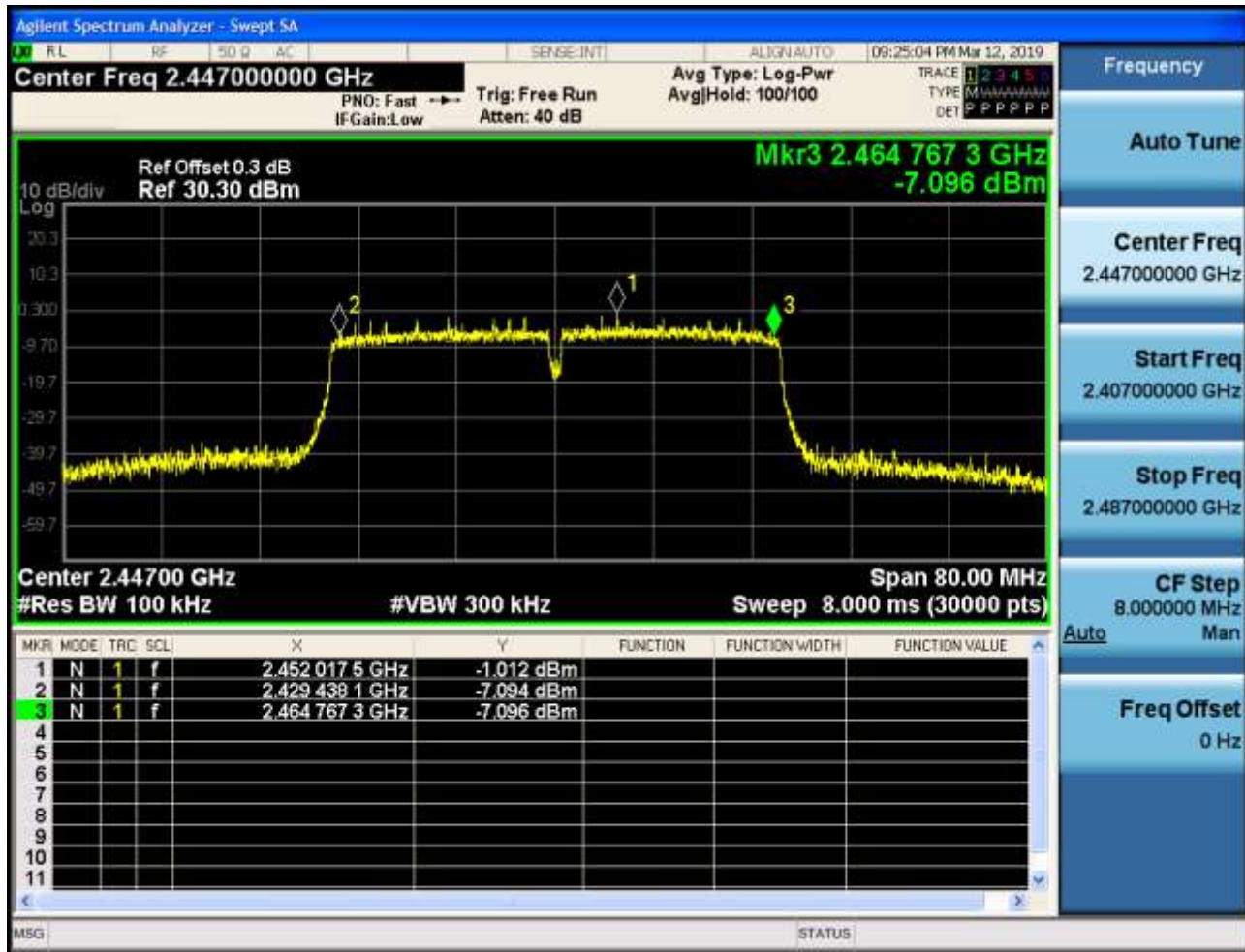
1.15 11N40SISO_Ant1_2427



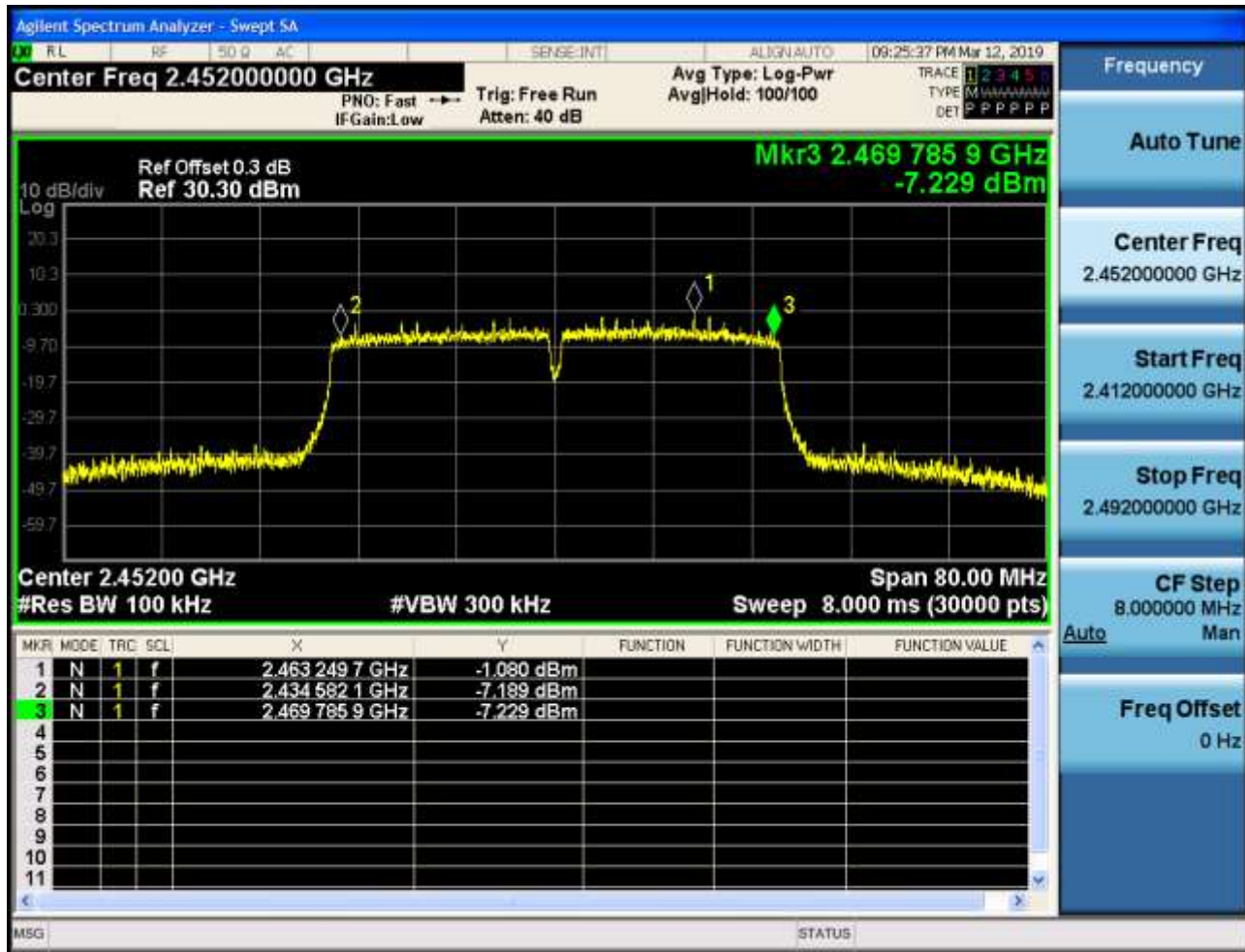
1.16 11N40SISO_Ant1_2437



1.17 11N40SISO_Ant1_2447



1.18 11N40SISO_Ant1_2452



Appendix B: Occupied Bandwidth

Part I - Test Results

Test Mode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	10.99	2406.68	2417.67	---	PASS
11B	Ant1	2437	11.06	2431.58	2442.64	---	PASS
11B	Ant1	2462	11.2	2456.49	2467.69	---	PASS
11G	Ant1	2412	16.77	2403.69	2420.46	---	PASS
11G	Ant1	2417	16.79	2408.65	2425.44	---	PASS
11G	Ant1	2437	16.81	2428.63	2445.44	---	PASS
11G	Ant1	2457	16.79	2448.63	2465.42	---	PASS
11G	Ant1	2462	16.78	2453.65	2470.43	---	PASS
11N20SISO	Ant1	2412	17.73	2403.18	2420.91	---	PASS
11N20SISO	Ant1	2417	17.75	2408.16	2425.91	---	PASS
11N20SISO	Ant1	2437	17.82	2428.11	2445.93	---	PASS
11N20SISO	Ant1	2457	17.76	2448.16	2465.92	---	PASS
11N20SISO	Ant1	2462	17.75	2453.14	2470.89	---	PASS
11N40SISO	Ant1	2422	35.98	2404.06	2440.04	---	PASS
11N40SISO	Ant1	2427	36.03	2409.0	2445.03	---	PASS
11N40SISO	Ant1	2437	36.12	2418.98	2455.1	---	PASS
11N40SISO	Ant1	2447	36.01	2429.05	2465.06	---	PASS
11N40SISO	Ant1	2452	36.0	2434.05	2470.05	---	PASS



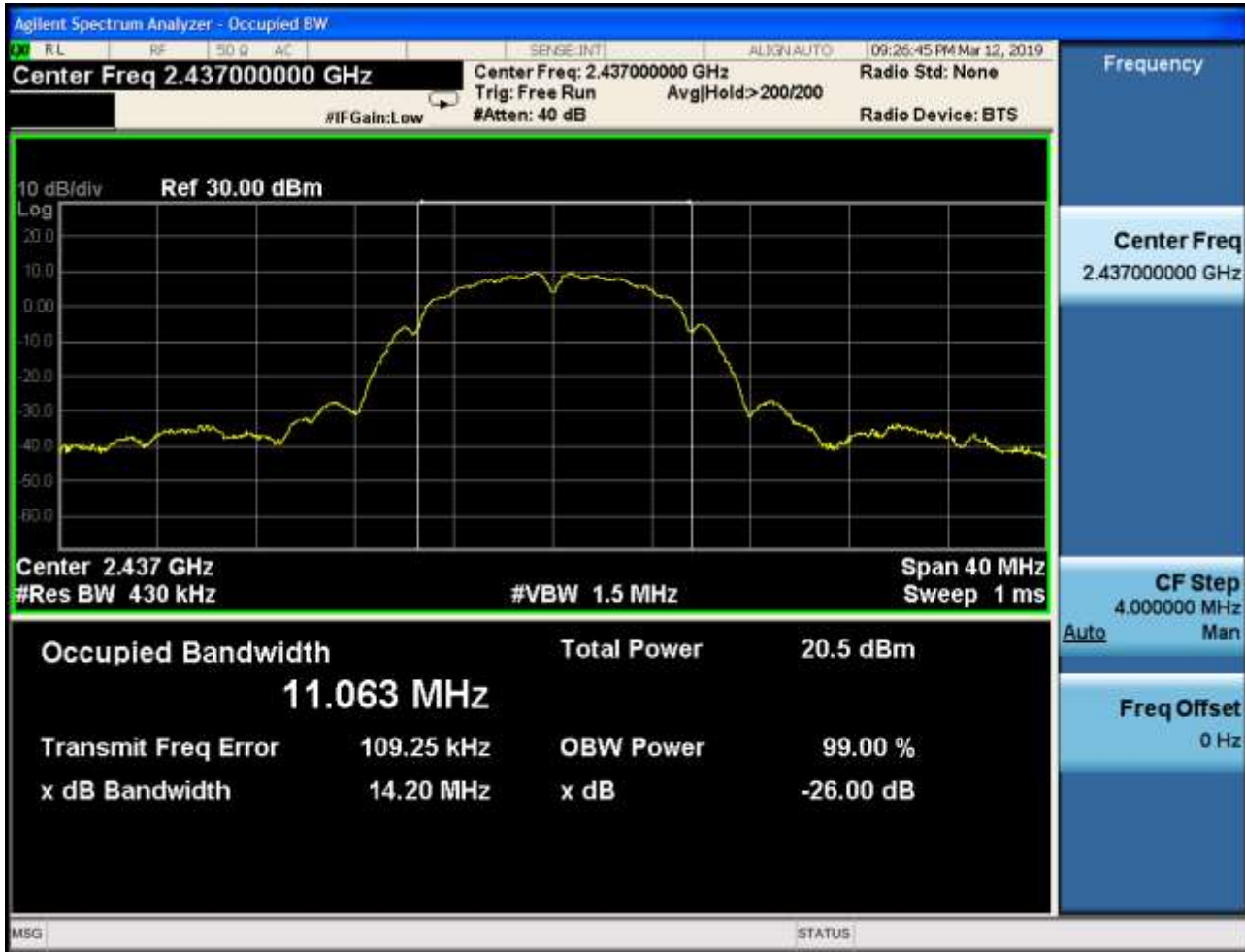
Part II - Test Graphs

1.1 11B_Ant1_2412



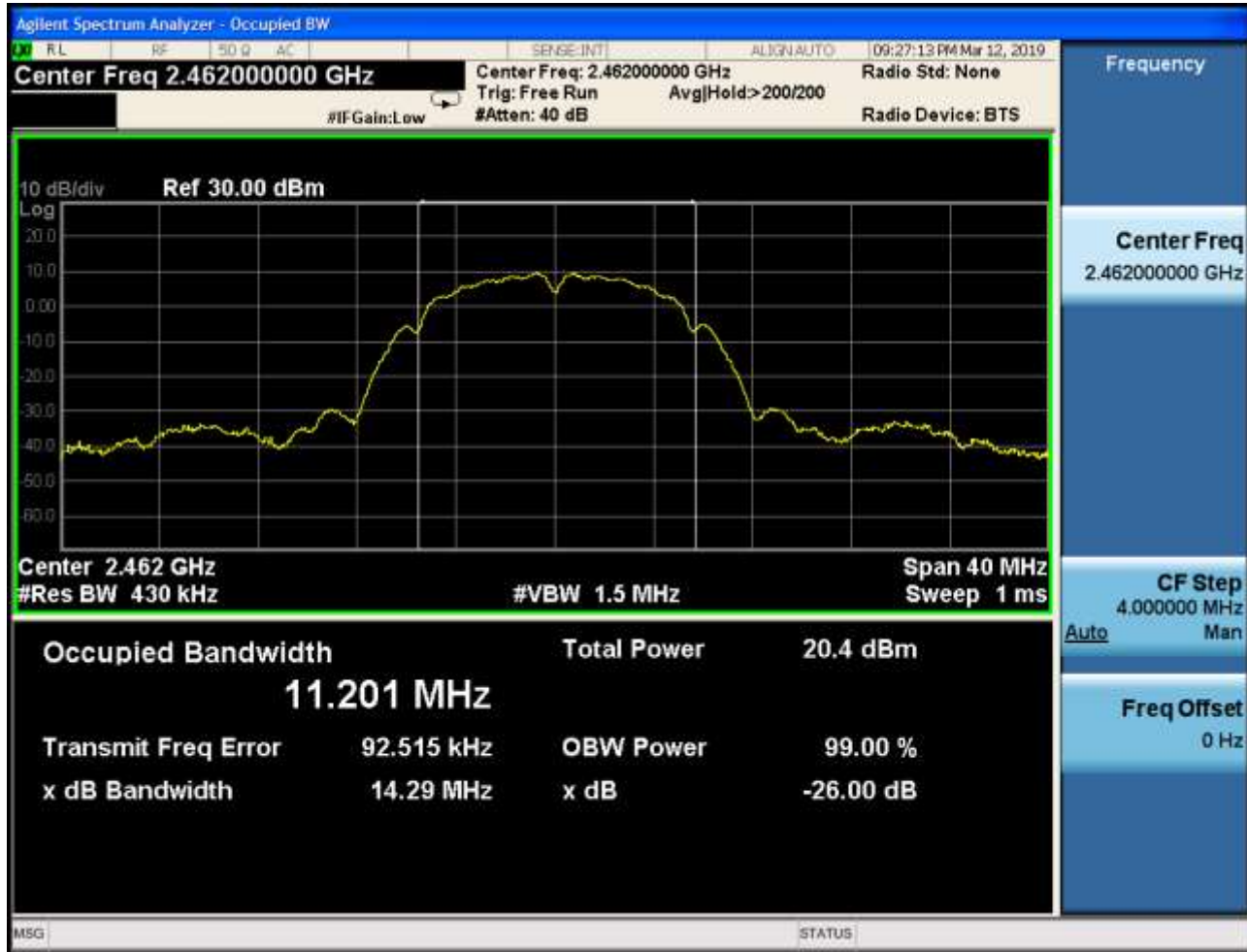


1.2 11B_Ant1_2437



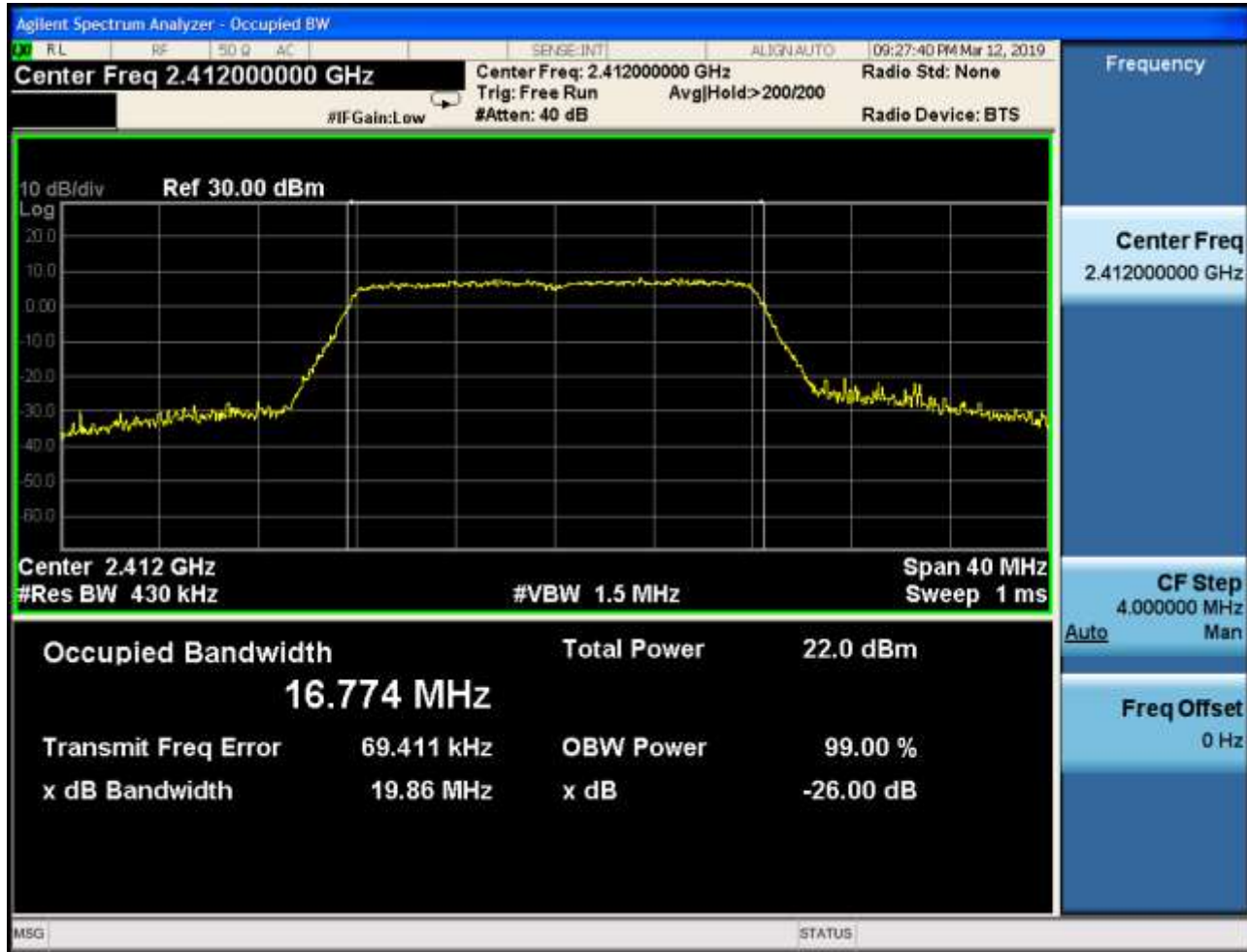


1.3 11B_Ant1_2462





1.4 11G_Ant1_2412



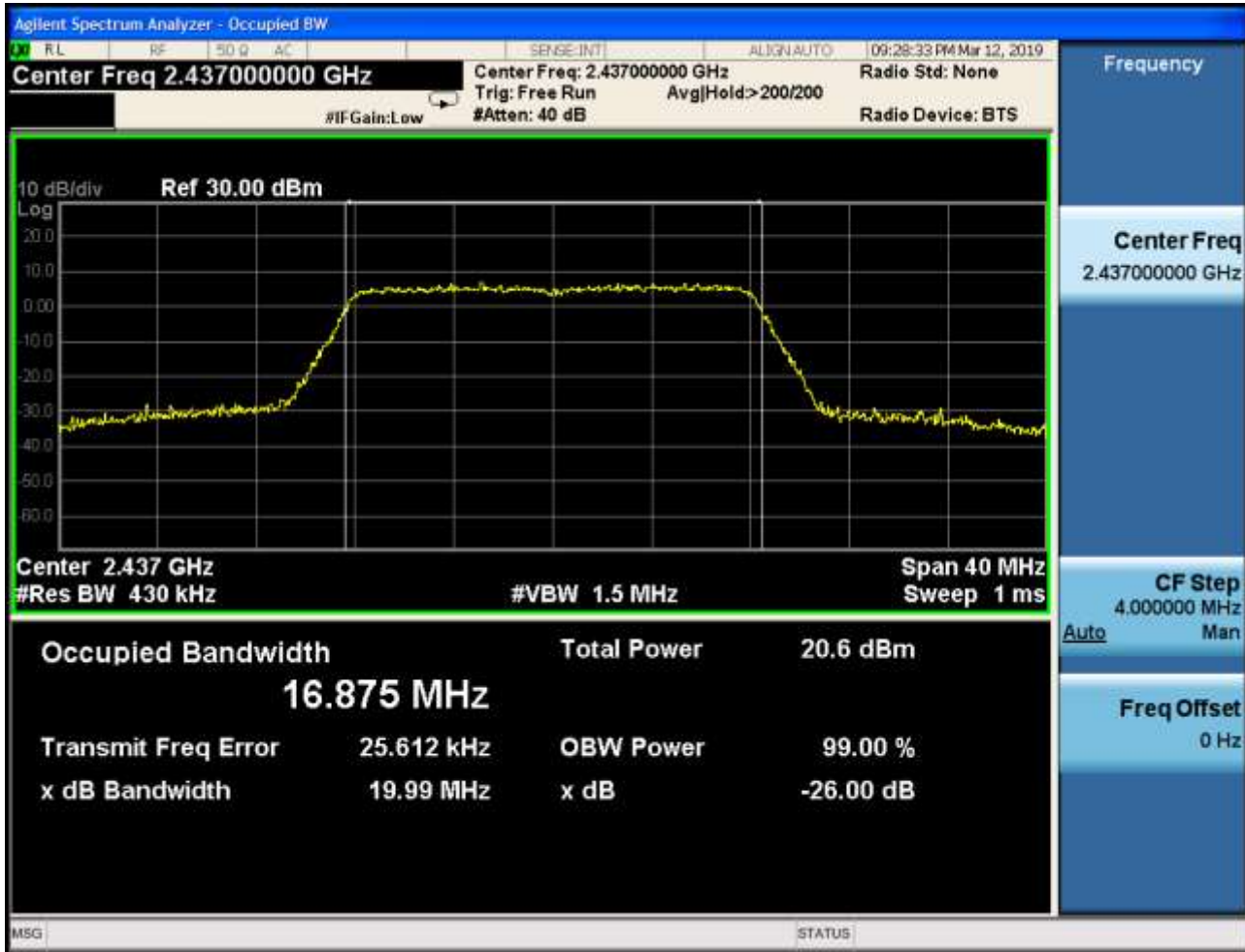


1.5 11G_Ant1_2417





1.6 11G_Ant1_2437





1.7 11G_Ant1_2457



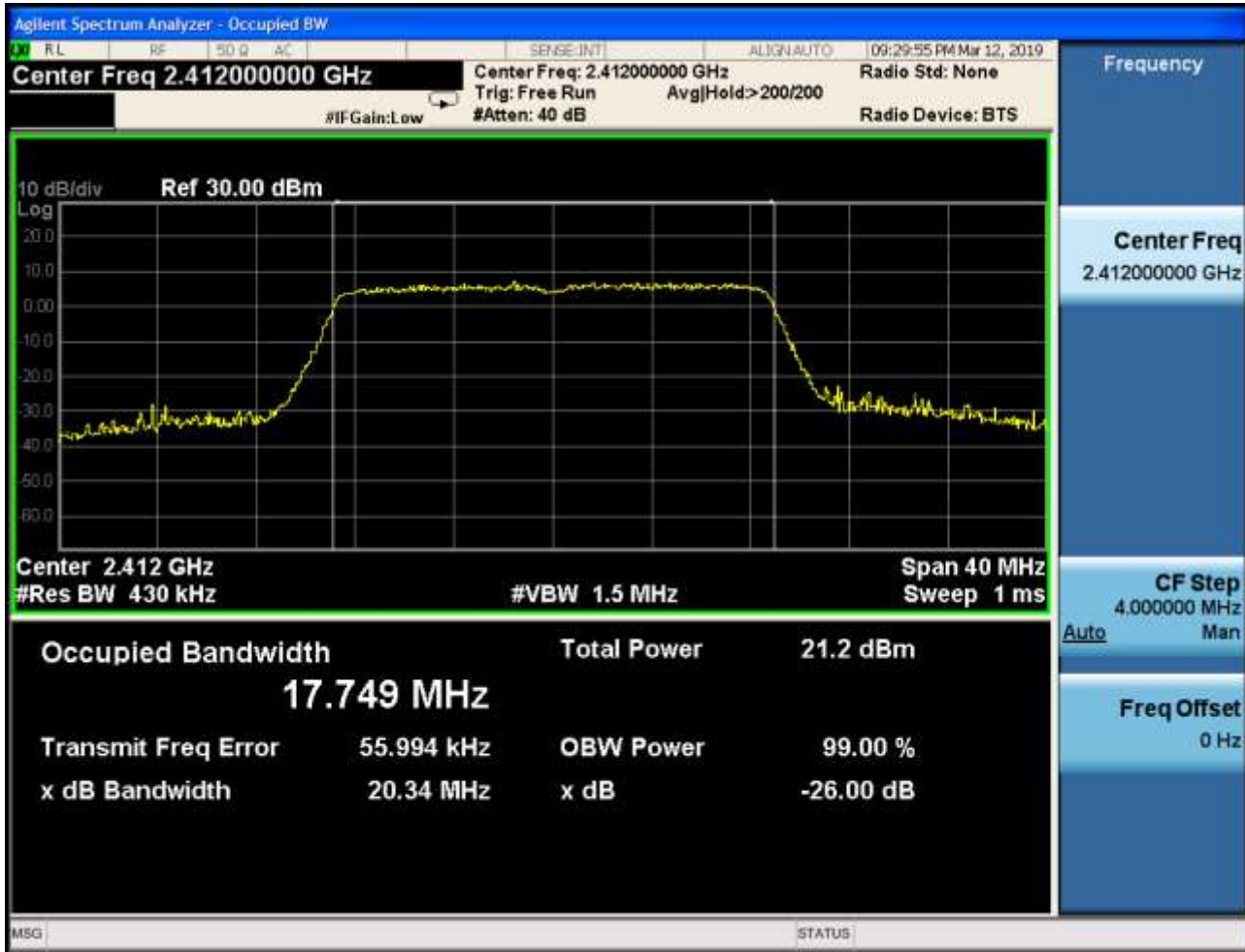


1.8 11G_Ant1_2462





1.9 11N20SISO_Ant1_2412



1.10 11N20SISO_Ant1_2417





1.11 11N20SISO_Ant1_2437





1.12 11N20SISO_Ant1_2457

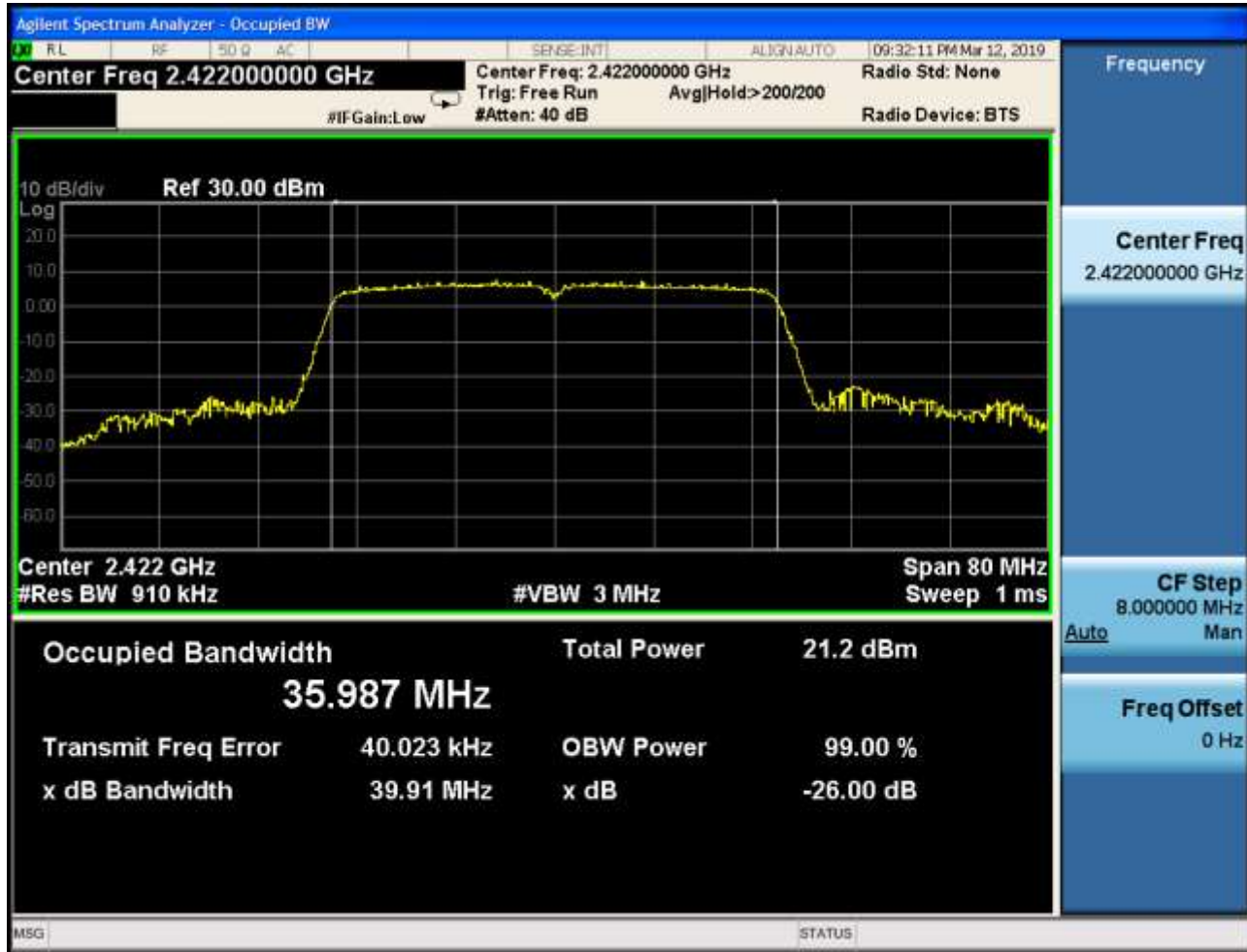


1.13 11N20SISO_Ant1_2462





1.14 11N40SISO_Ant1_2422

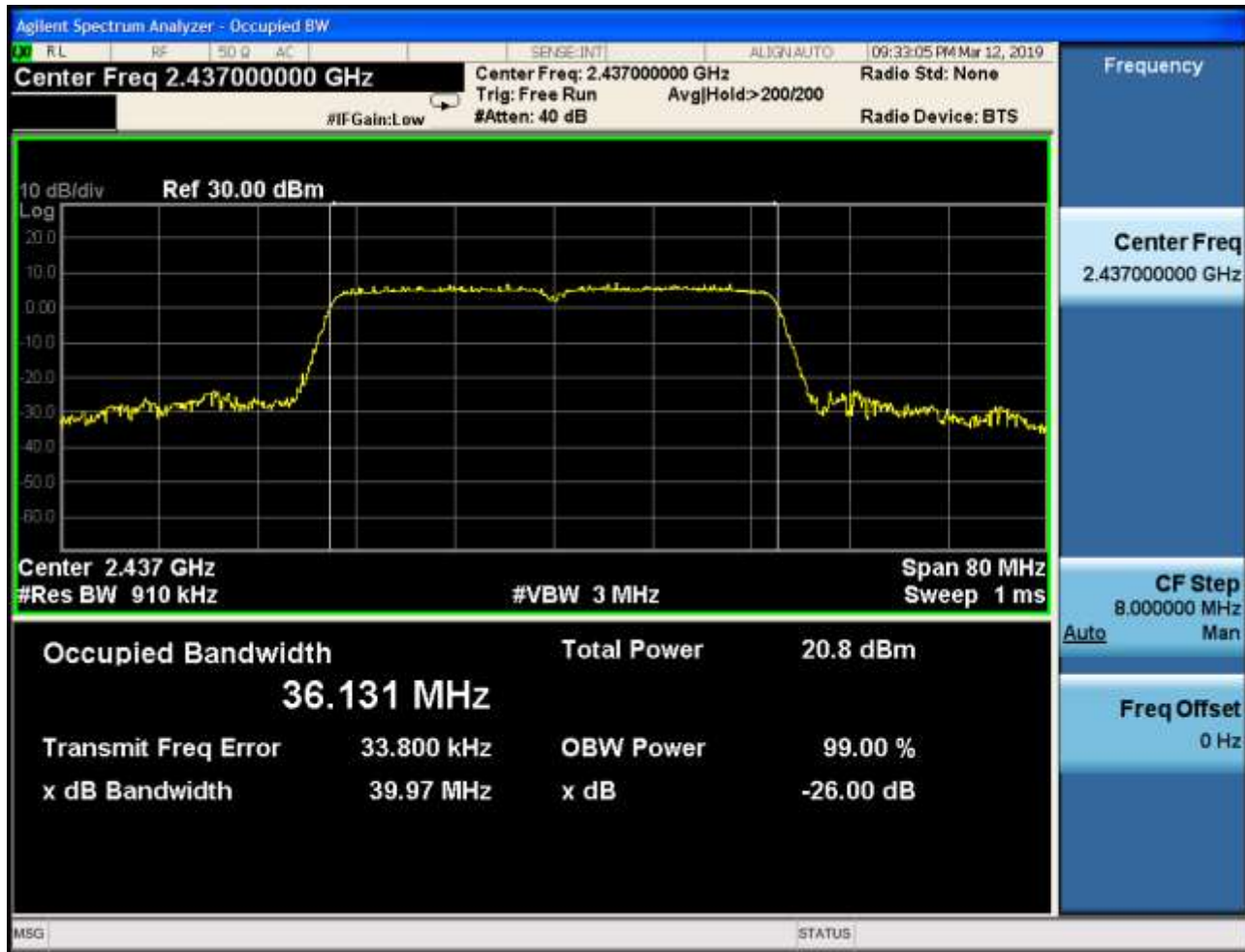




1.15 11N40SISO_Ant1_2427



1.16 11N40SISO_Ant1_2437





1.17 11N40SISO_Ant1_2447





1.18 11N40SISO_Ant1_2452



Appendix C: Duty Cycle

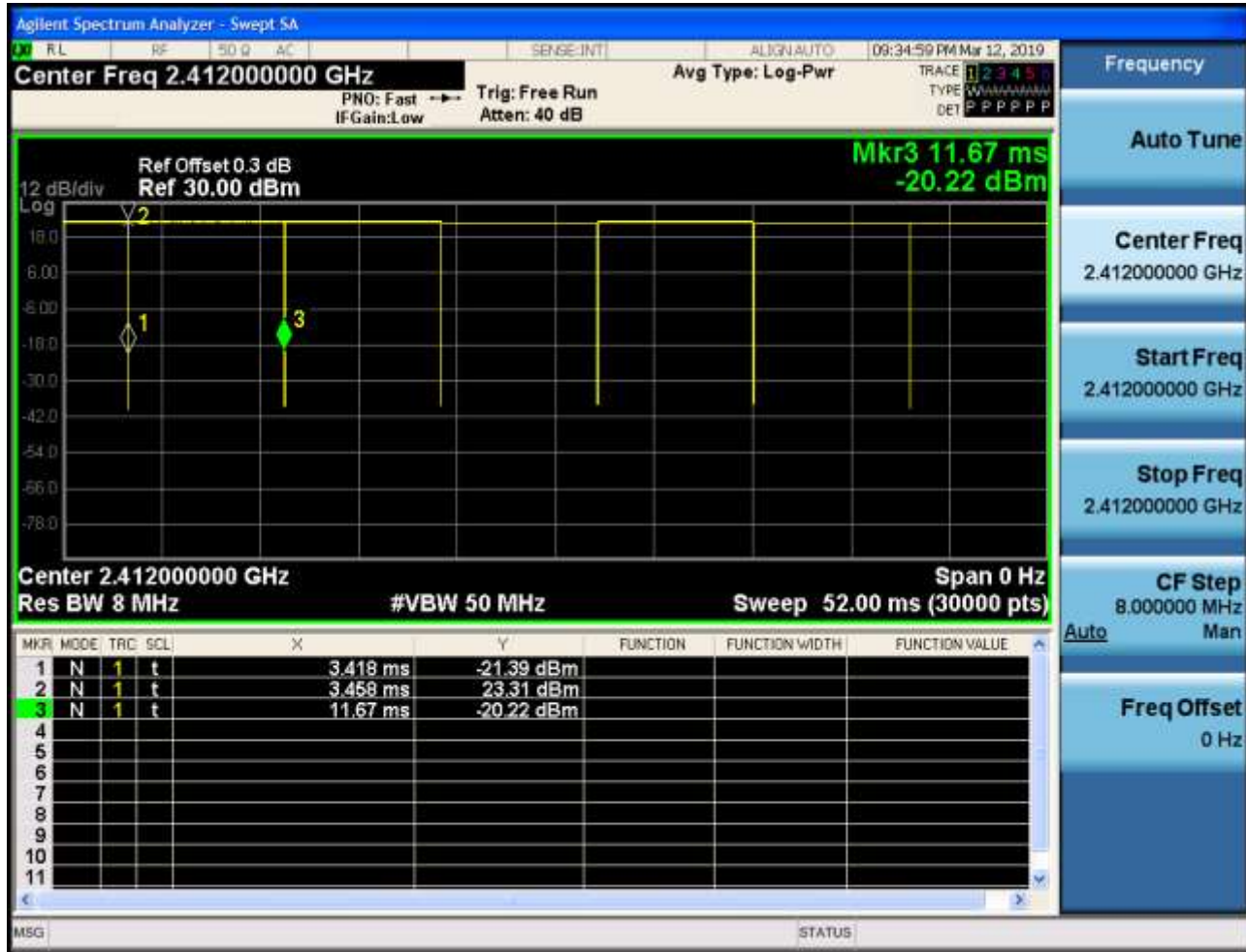
Part I - Test Results

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11B	Ant1	2412	8.209	8.249	99.52	---	PASS
11B	Ant1	2437	8.209	8.249	99.52	---	PASS
11B	Ant1	2462	8.21	8.25	99.52	---	PASS
11G	Ant1	2412	2.729	2.774	98.35	---	PASS
11G	Ant1	2417	2.729	2.774	98.35	---	PASS
11G	Ant1	2437	2.728	2.773	98.38	---	PASS
11G	Ant1	2457	2.728	2.773	98.38	---	PASS
11G	Ant1	2462	2.728	2.773	98.38	---	PASS
11N20SISO	Ant1	2412	2.536	2.581	98.26	---	PASS
11N20SISO	Ant1	2417	2.536	2.582	98.22	---	PASS
11N20SISO	Ant1	2437	2.536	2.582	98.22	---	PASS
11N20SISO	Ant1	2457	2.536	2.582	98.22	---	PASS
11N20SISO	Ant1	2462	2.536	2.581	98.26	---	PASS
11N40SISO	Ant1	2422	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2427	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2437	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2447	1.24	1.284	96.59	---	PASS
11N40SISO	Ant1	2452	1.24	1.284	96.59	---	PASS



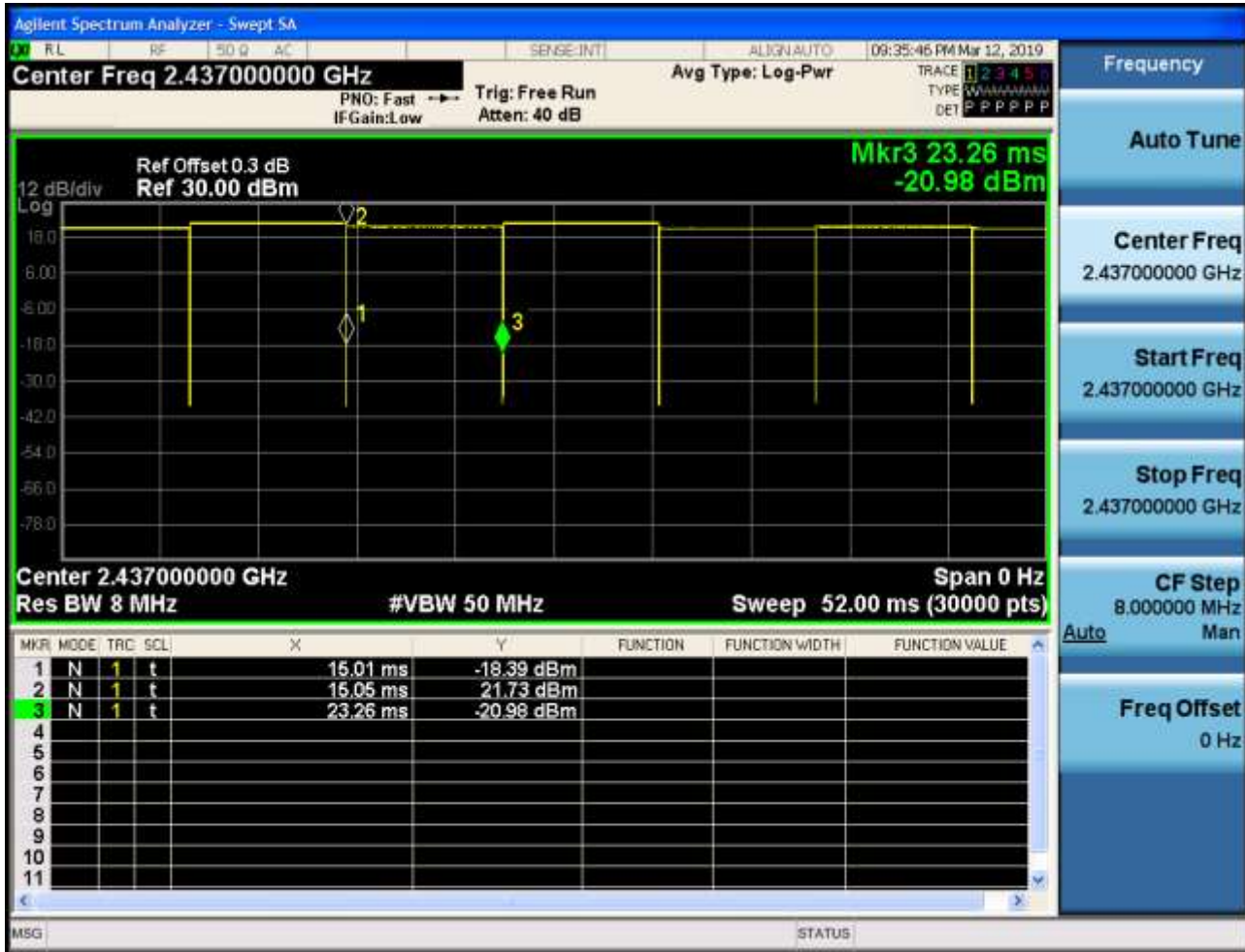
Part II - Test Graphs

1.1 11B_Ant1_2412



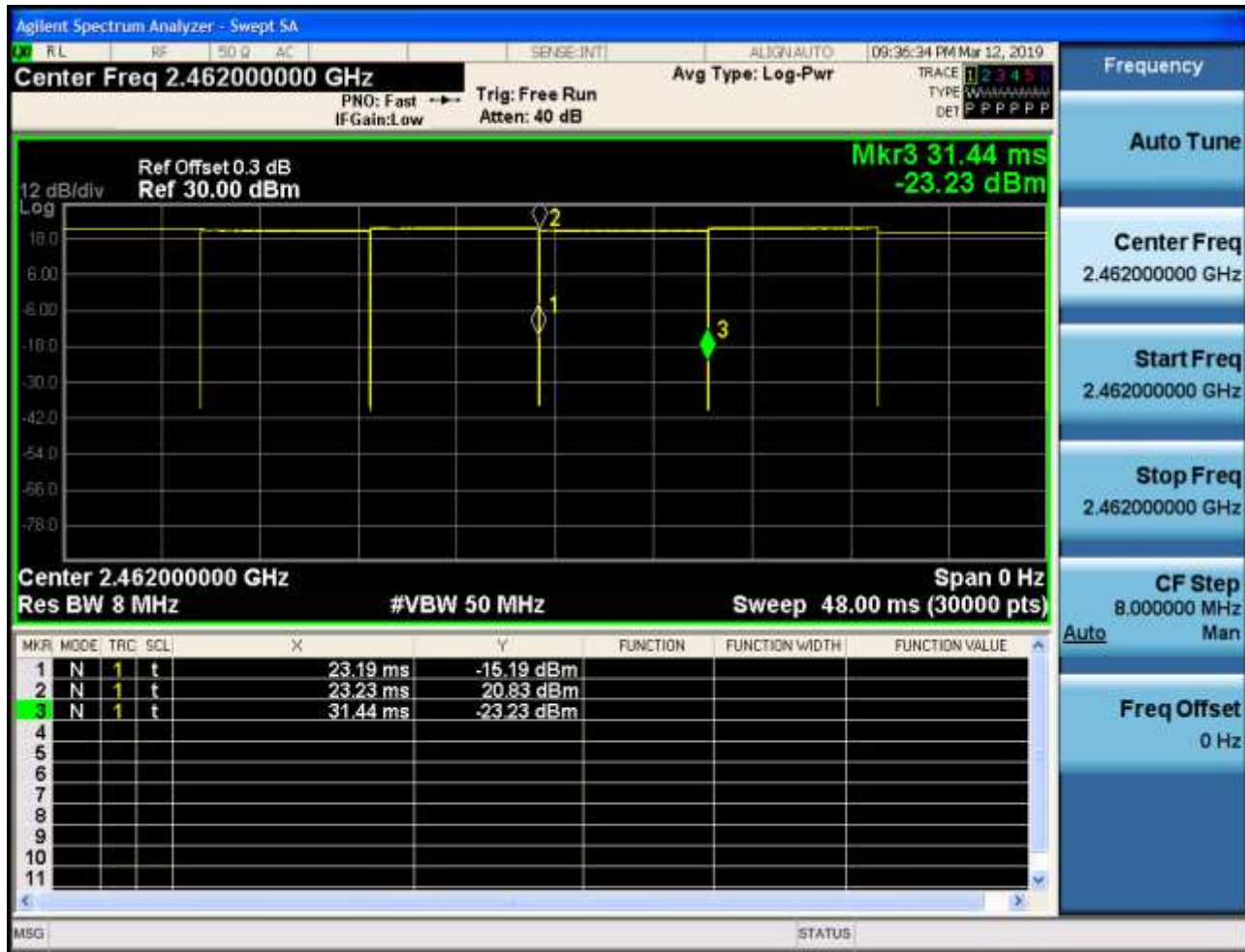


1.2 11B_Ant1_2437





1.3 11B_Ant1_2462



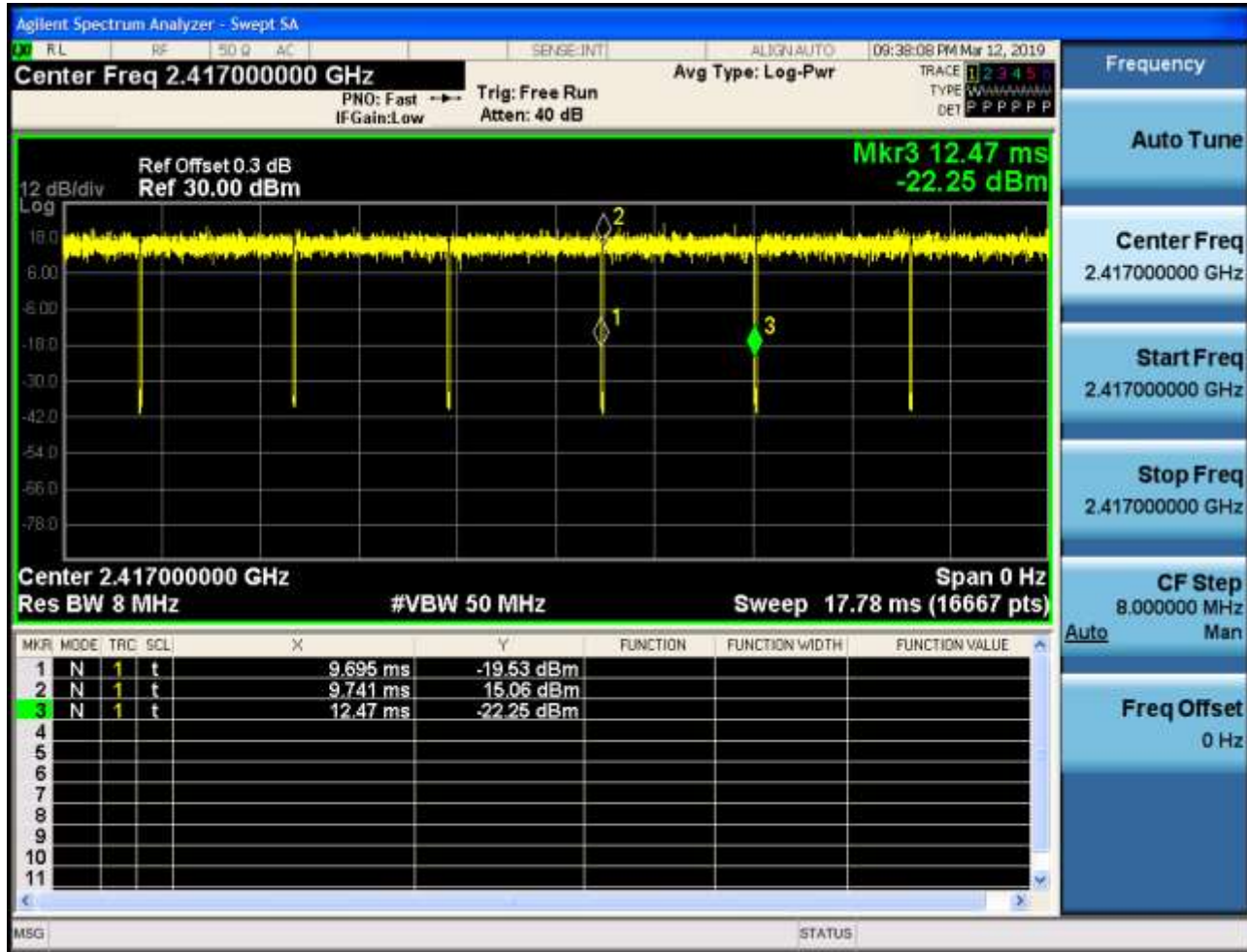


1.4 11G_Ant1_2412



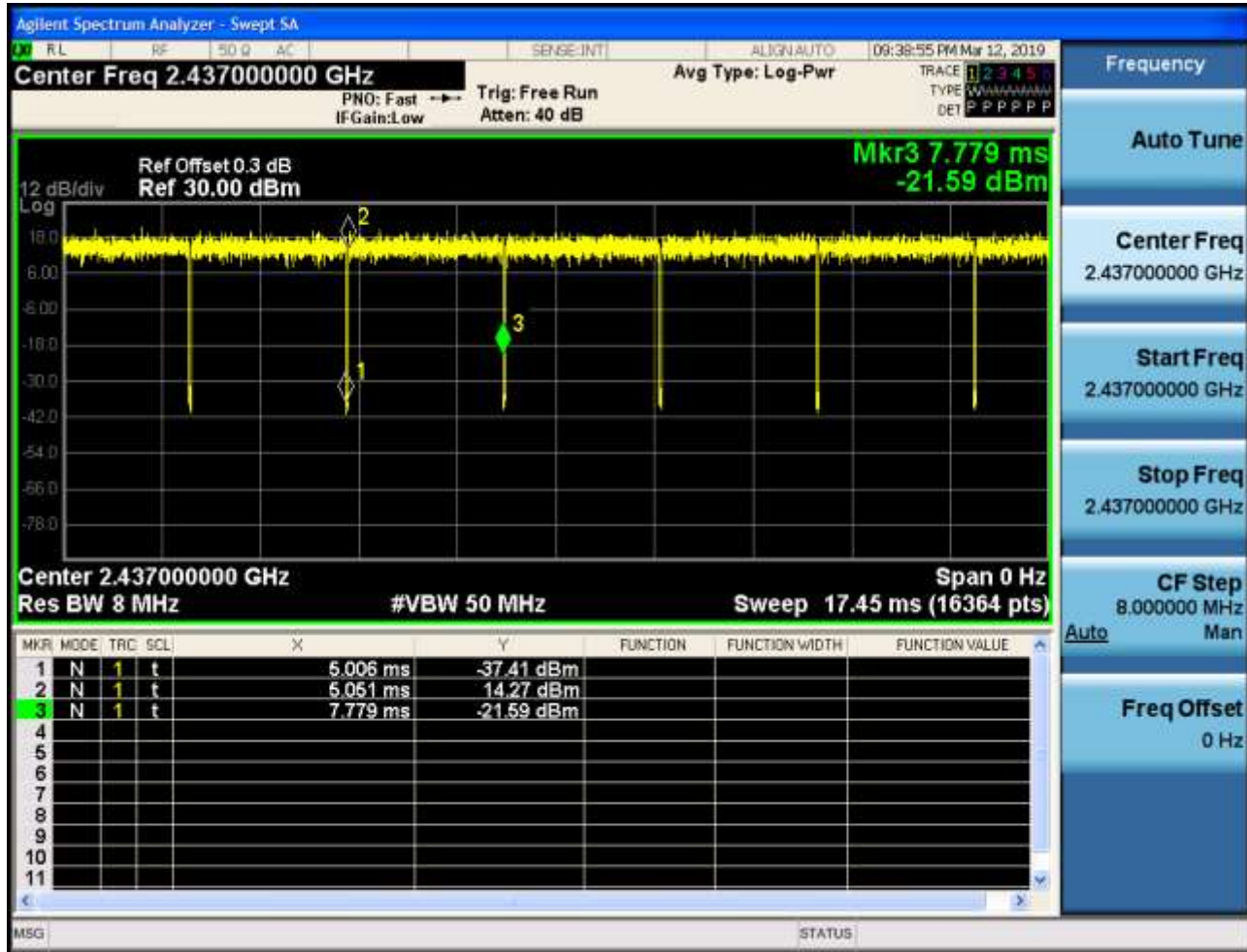


1.5 11G_Ant1_2417

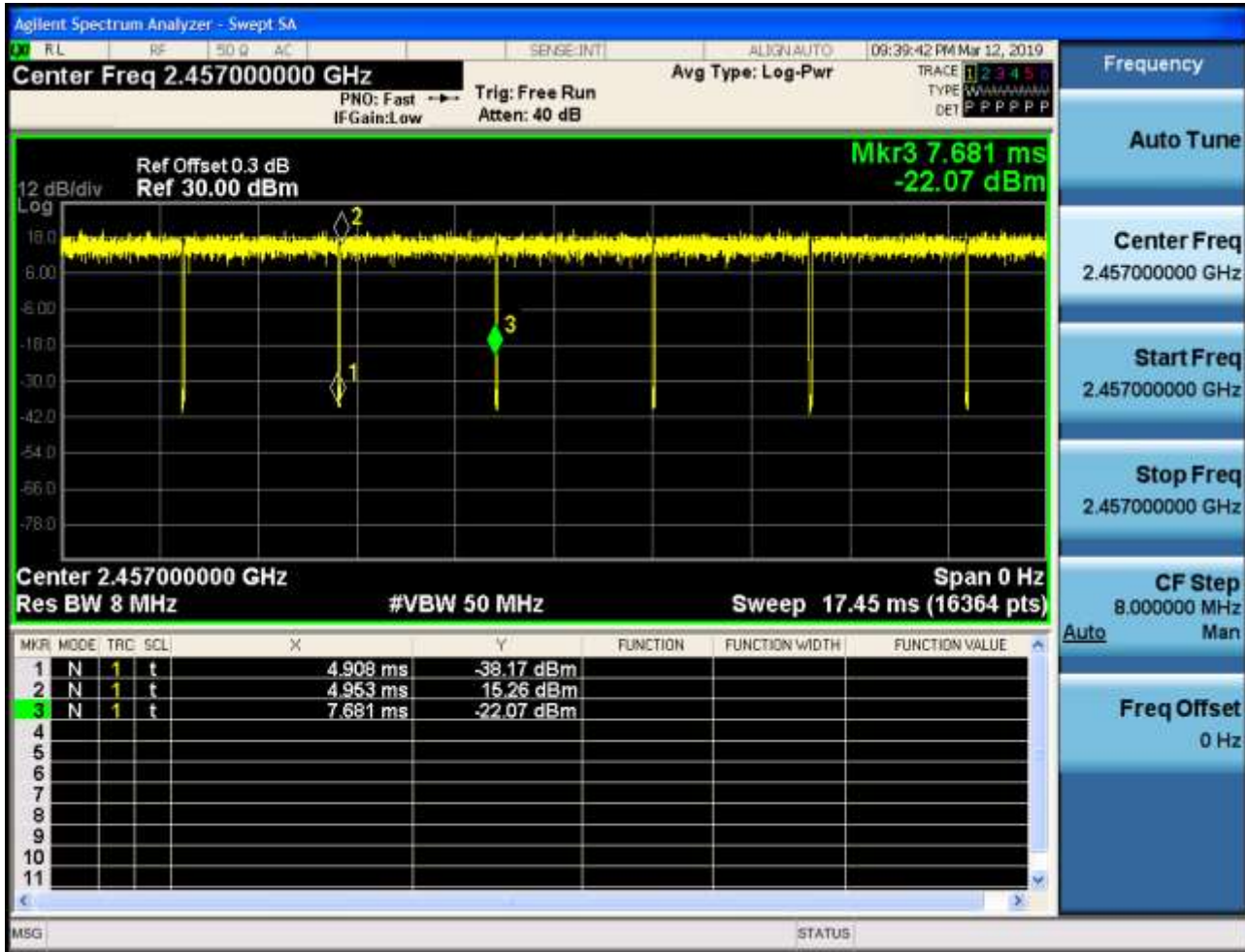




1.6 11G_Ant1_2437

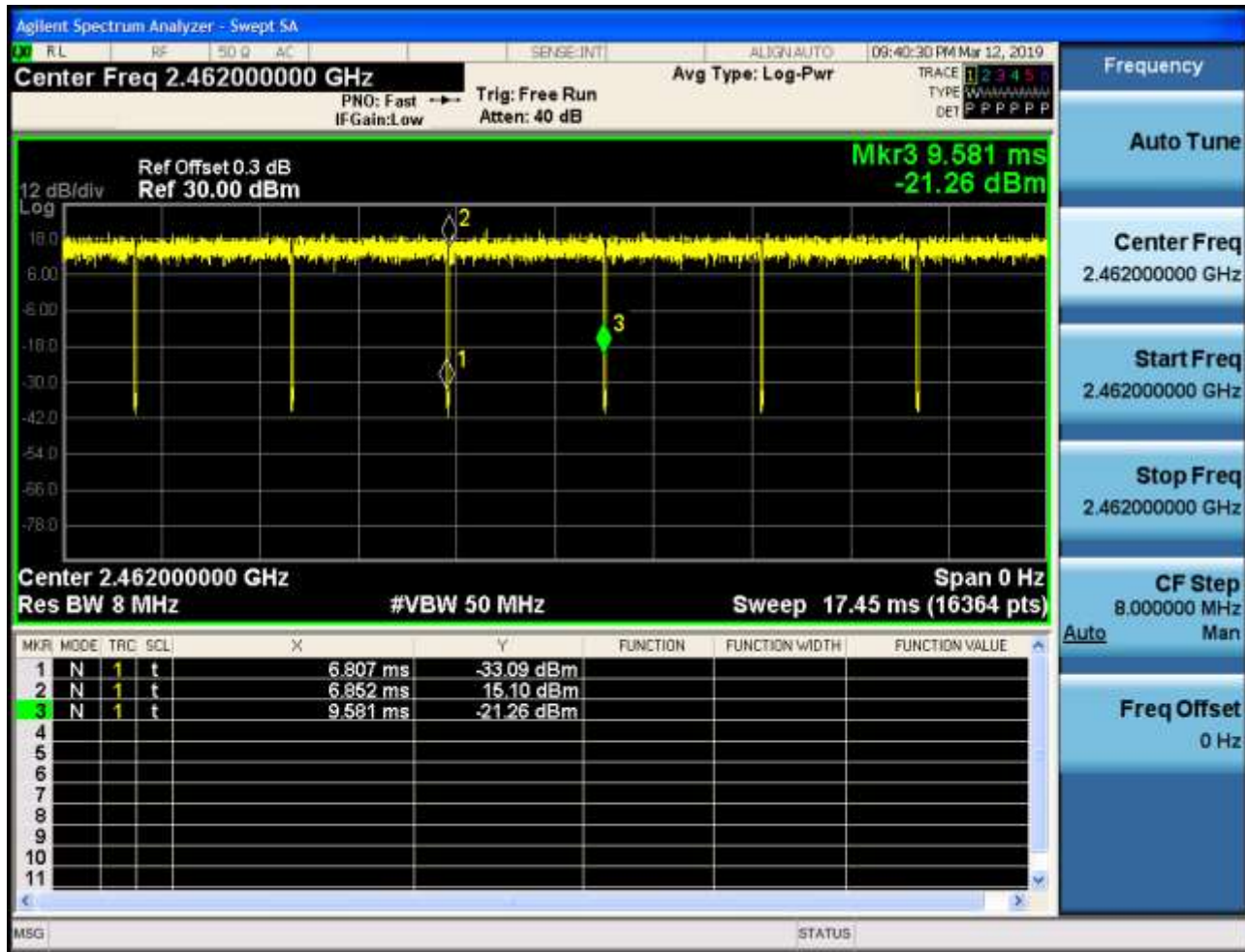


1.7 11G_Ant1_2457



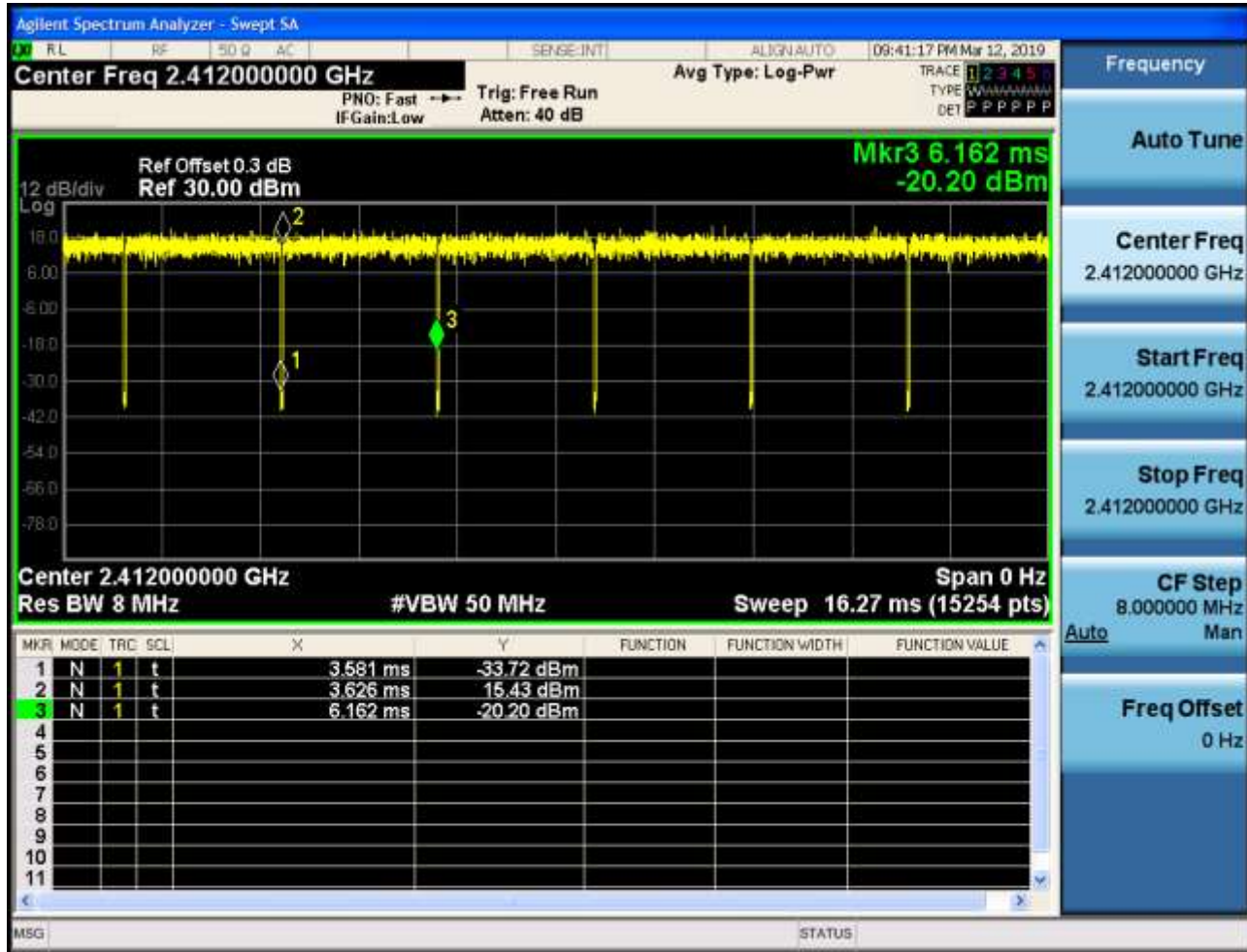


1.8 11G_Ant1_2462

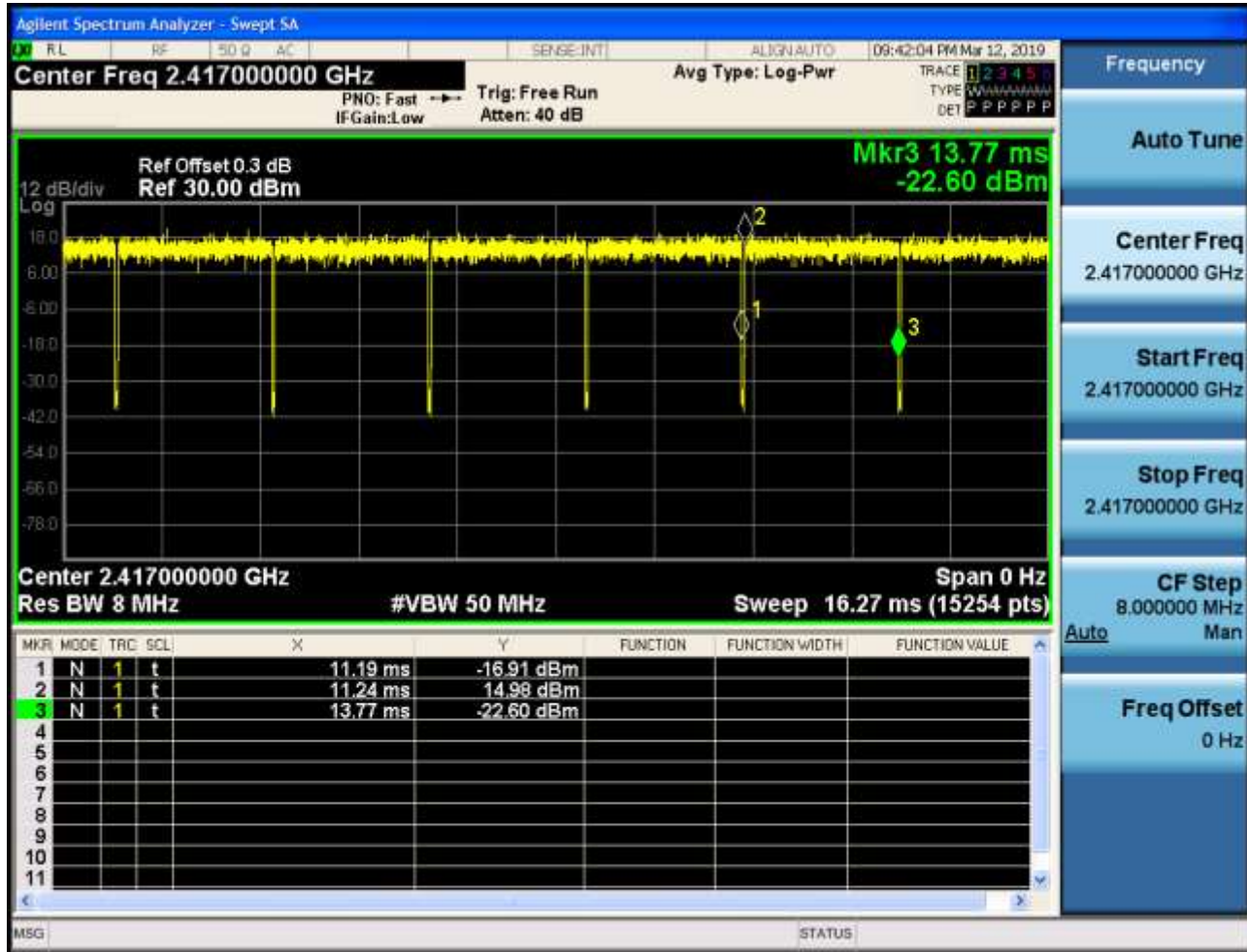




1.9 11N20SISO_Ant1_2412



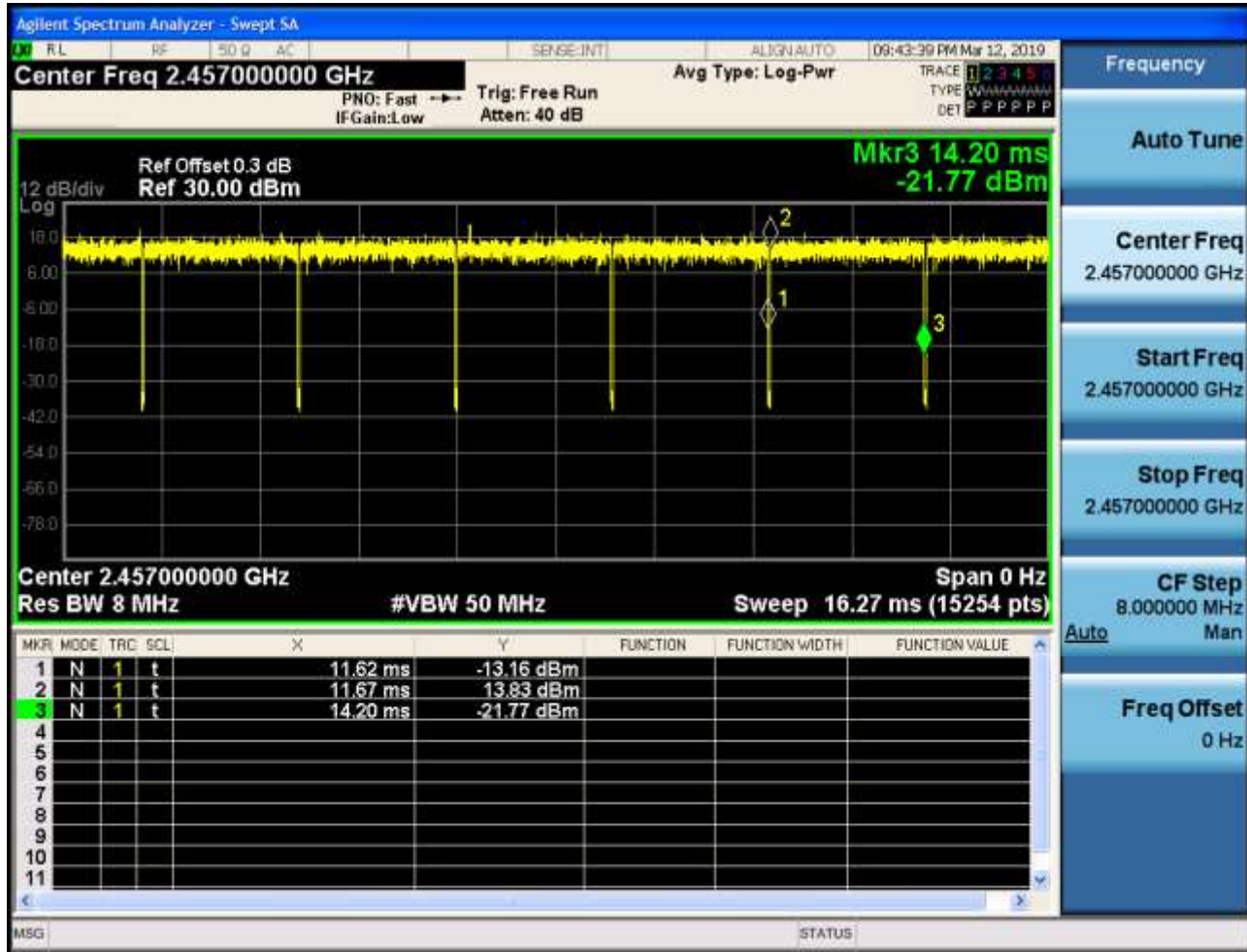
1.10 11N20SISO_Ant1_2417



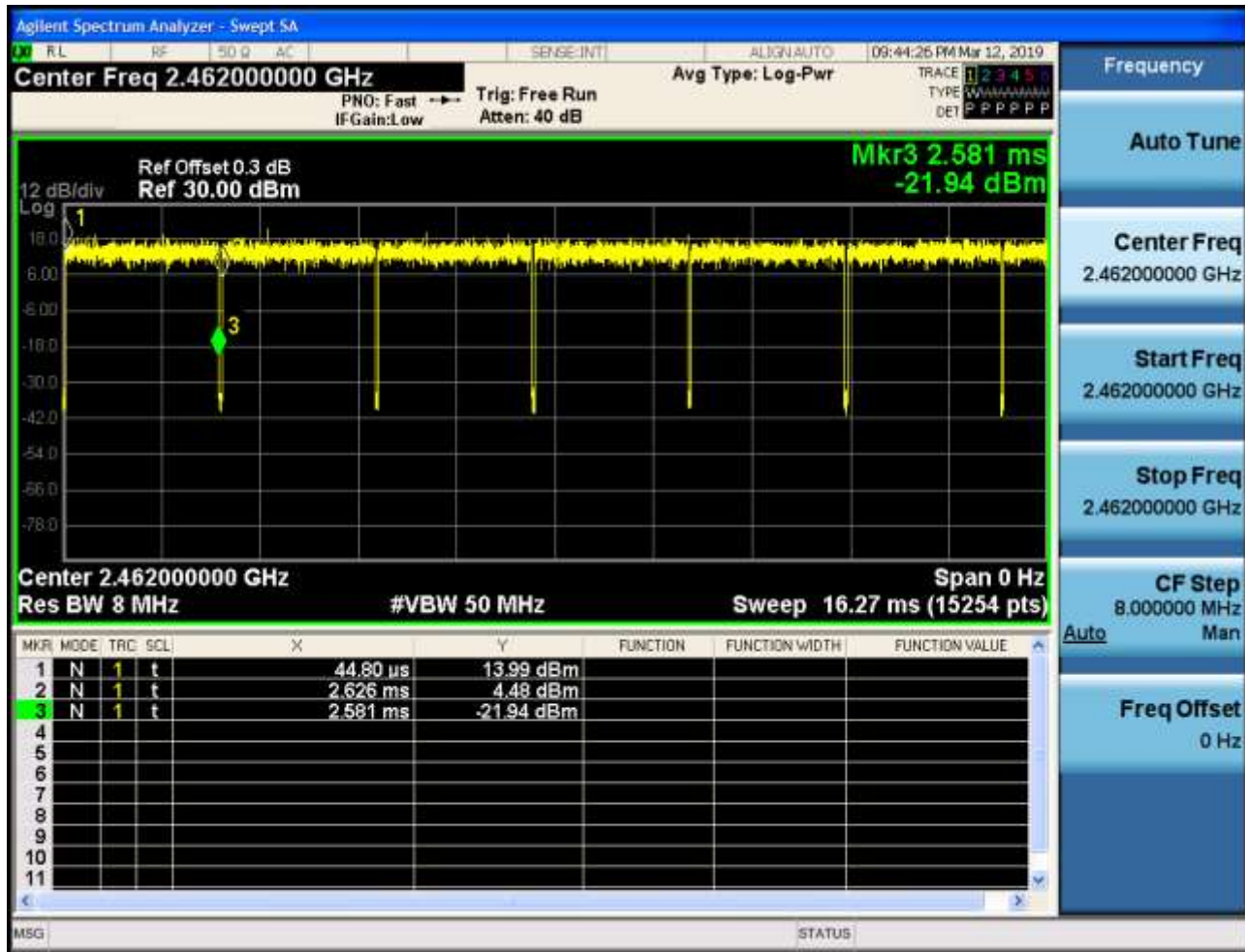
1.11 11N20SISO_Ant1_2437



1.12 11N20SISO_Ant1_2457

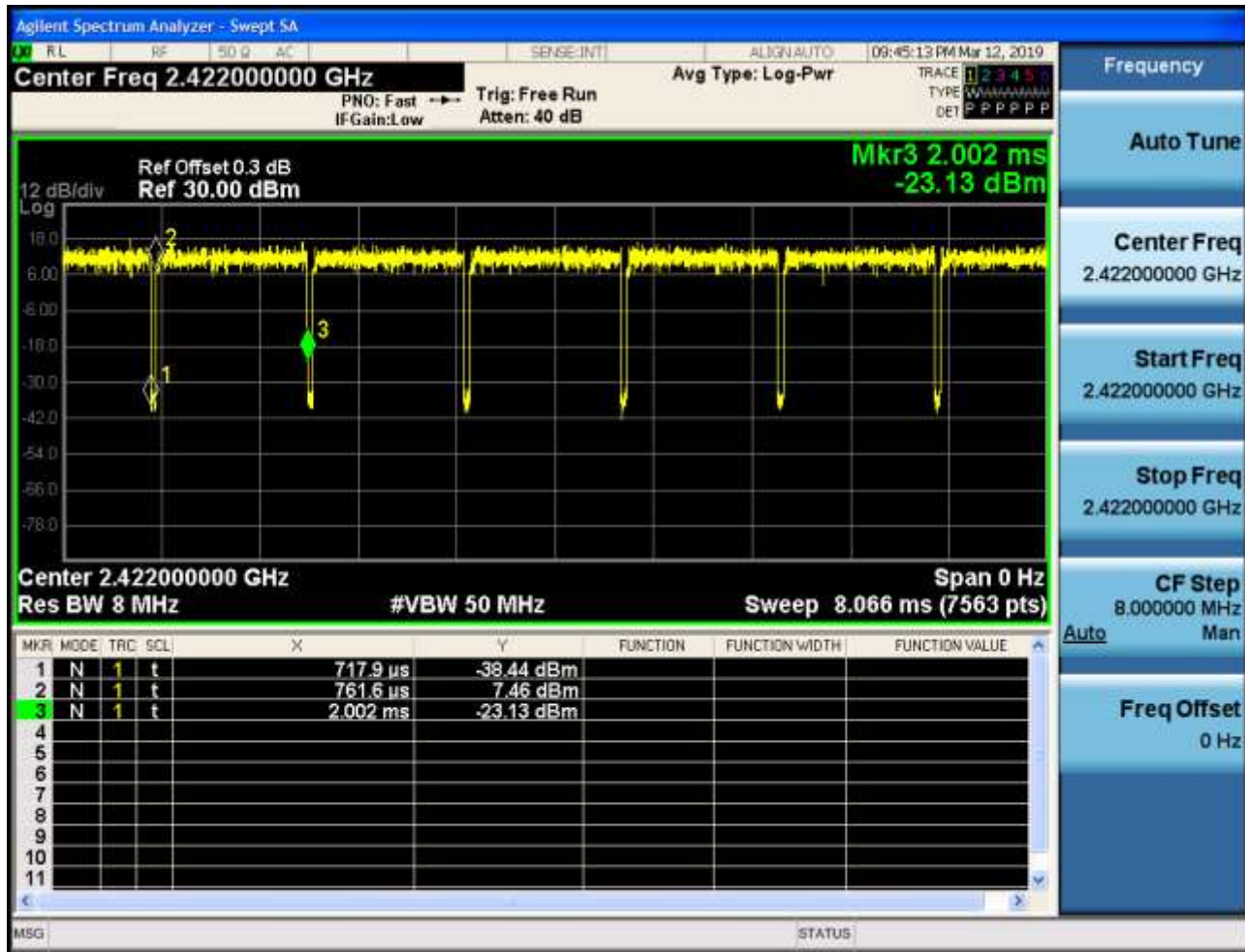


1.13 11N20SISO_Ant1_2462



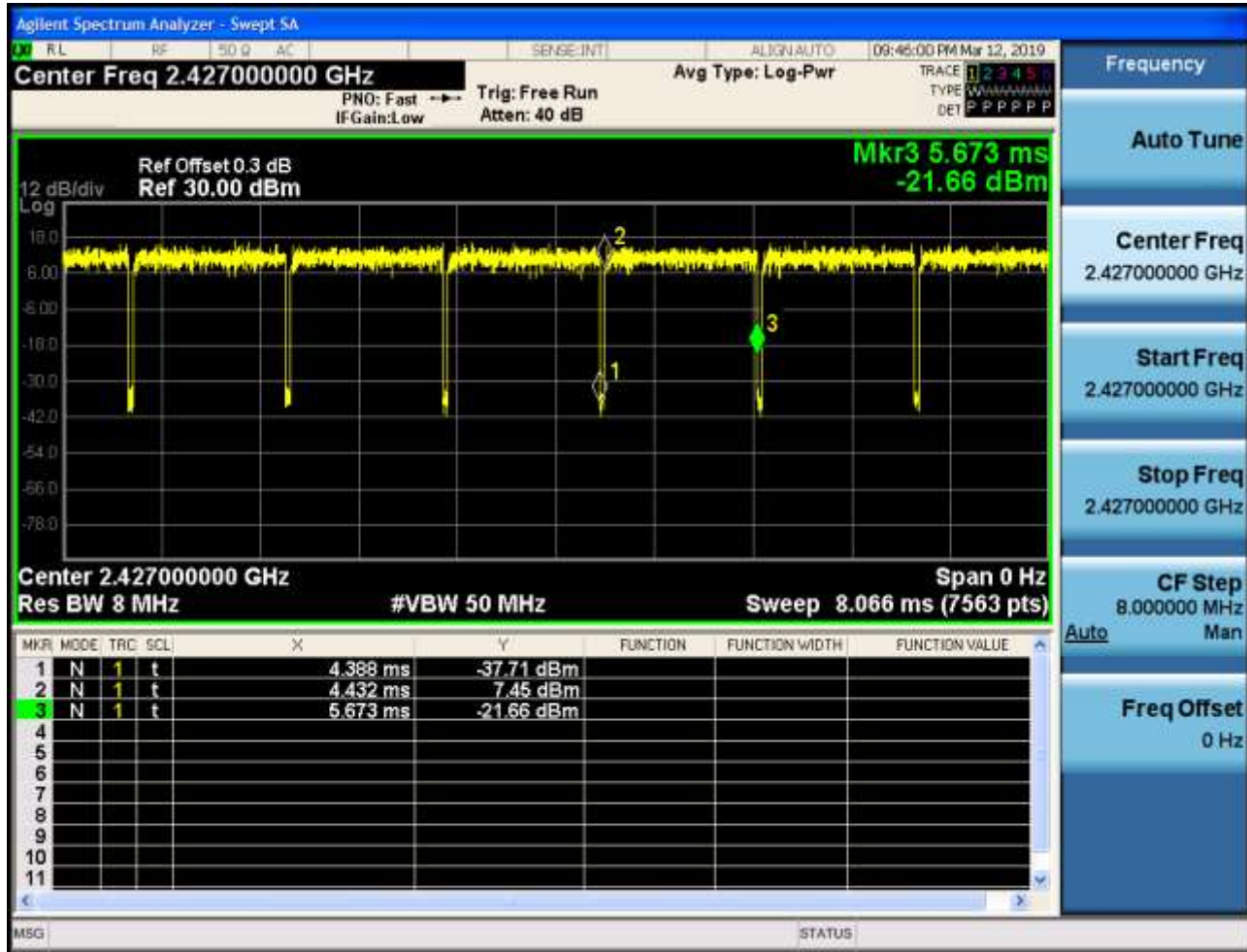


1.14 11N40SISO_Ant1_2422

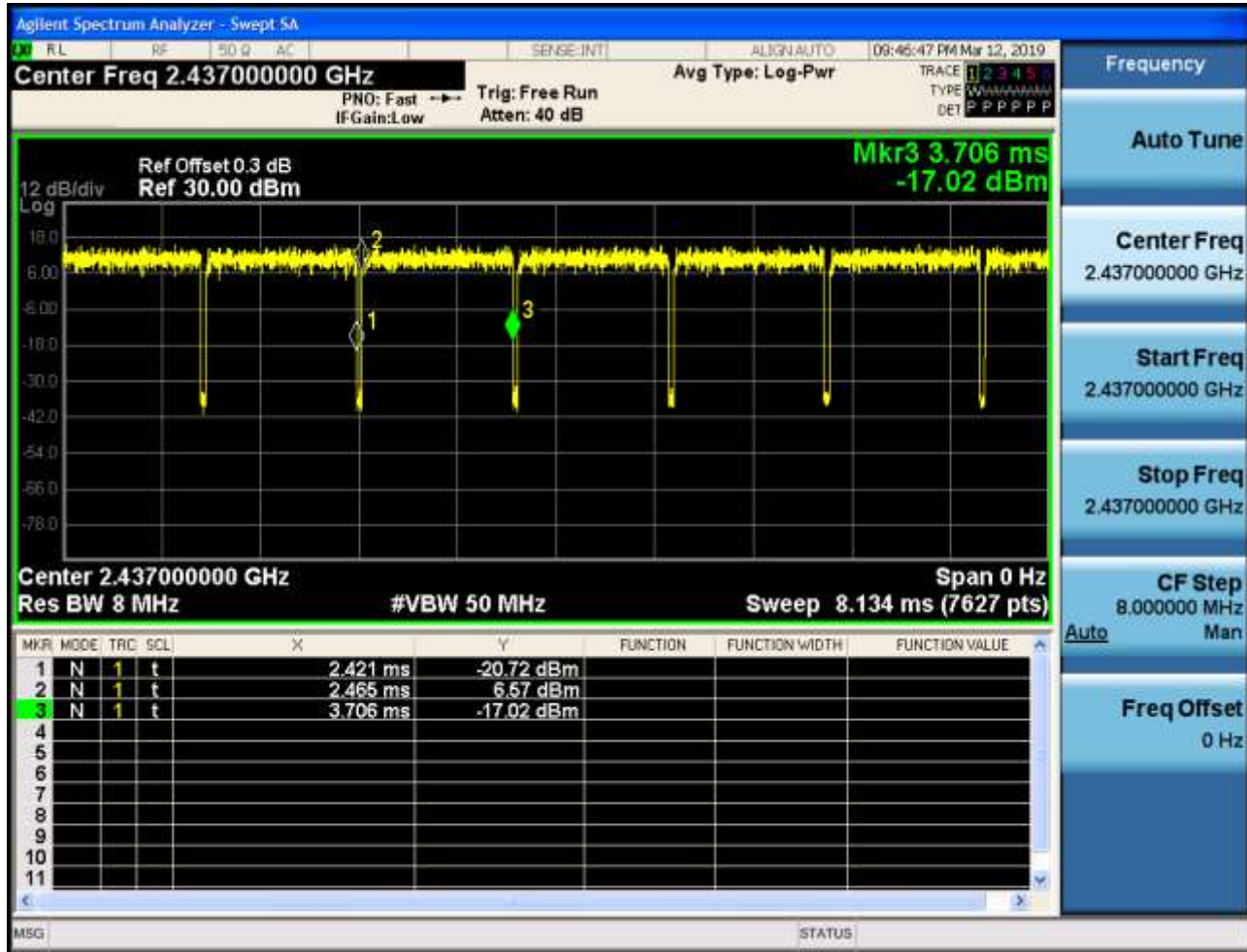




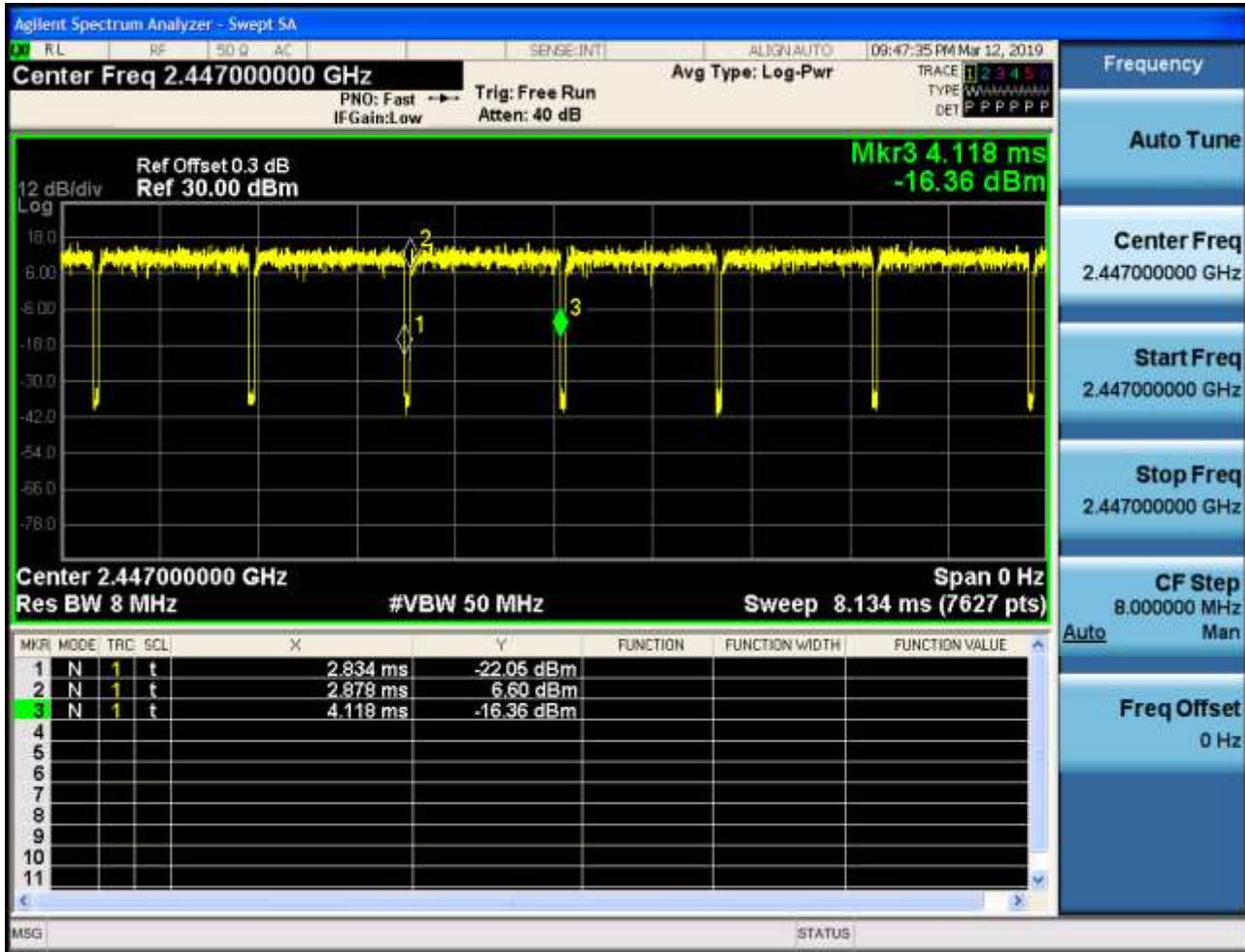
1.15 11N40SISO_Ant1_2427



1.16 11N40SISO_Ant1_2437

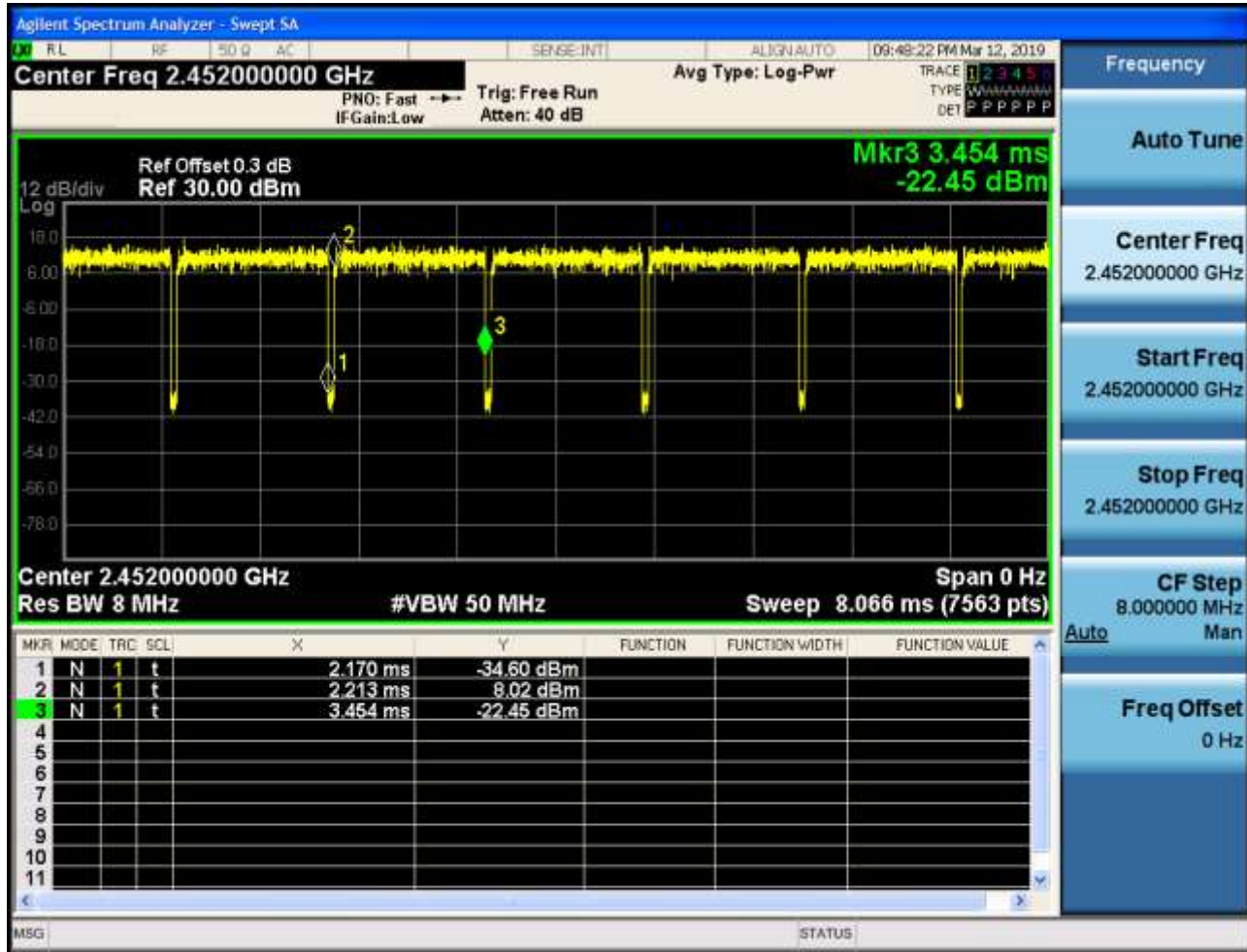


1.17 11N40SISO_Ant1_2447





1.18 11N40SISO_Ant1_2452



Appendix D: Maximum Average Output Power

Part I - Test Results

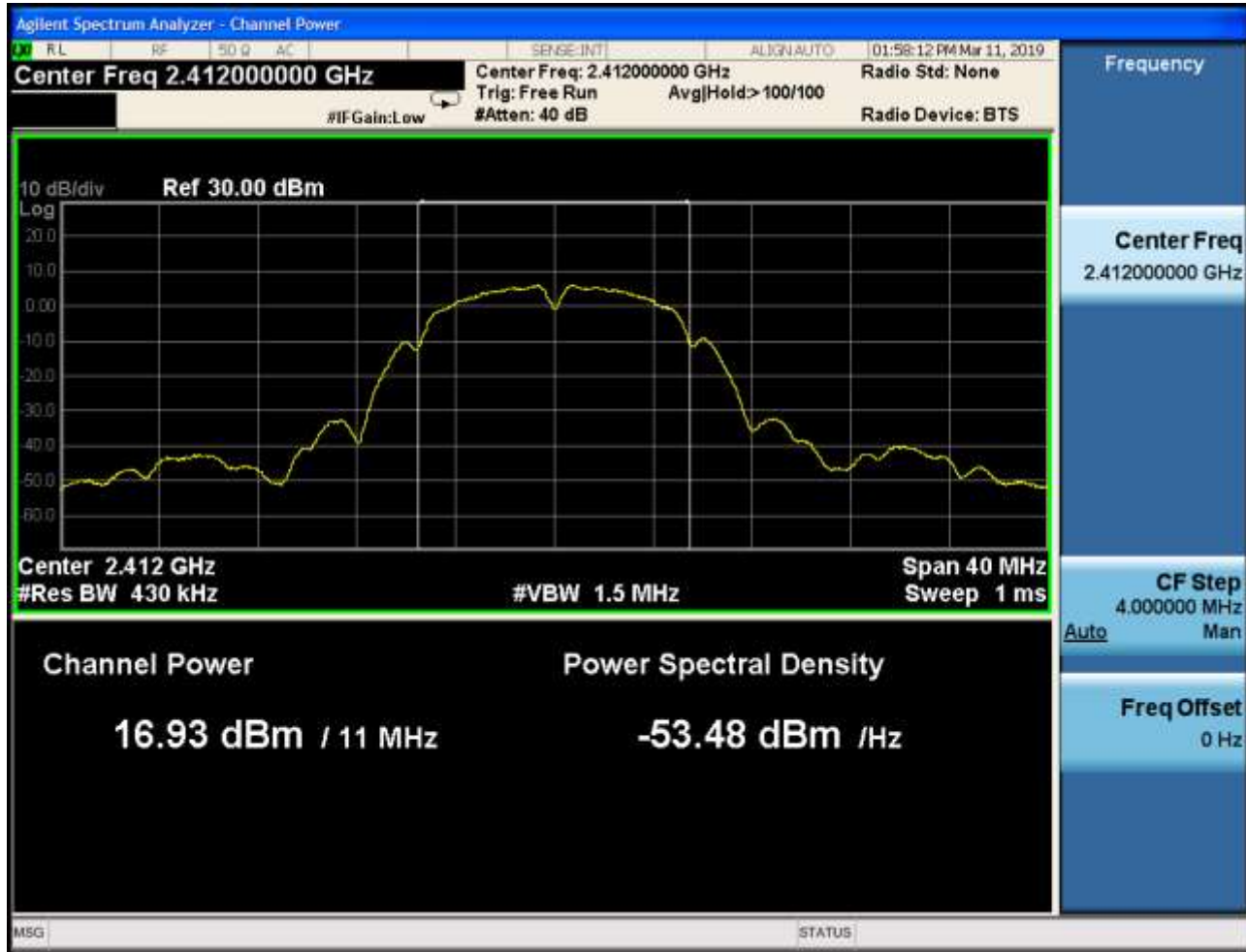
Test Mode	Antenna	Channel	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	16.93	30	14.53	36	PASS
11B	Ant1	2437	17.61	30	15.21	36	PASS
11B	Ant1	2462	16.71	30	14.31	36	PASS
11G	Ant1	2412	14.71	30	12.31	36	PASS
11G	Ant1	2417	13.85	30	11.45	36	PASS
11G	Ant1	2437	13.25	30	10.85	36	PASS
11G	Ant1	2457	13.53	30	11.13	36	PASS
11G	Ant1	2462	13.24	30	10.84	36	PASS
11N20SISO	Ant1	2412	13.76	30	11.36	36	PASS
11N20SISO	Ant1	2417	12.99	30	10.59	36	PASS
11N20SISO	Ant1	2437	12.33	30	9.93	36	PASS
11N20SISO	Ant1	2457	12.57	30	10.17	36	PASS
11N20SISO	Ant1	2462	12.32	30	9.92	36	PASS
11N40SISO	Ant1	2422	11.17	30	10.88	36	PASS
11N40SISO	Ant1	2427	13.13	30	10.73	36	PASS
11N40SISO	Ant1	2437	12.84	30	10.44	36	PASS
11N40SISO	Ant1	2447	12.99	30	10.59	36	PASS
11N40SISO	Ant1	2452	11.02	30	10.4	36	PASS

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



Part II - Test Graphs

1.1 11B_Ant1_2412





1.2 11B_Ant1_2437



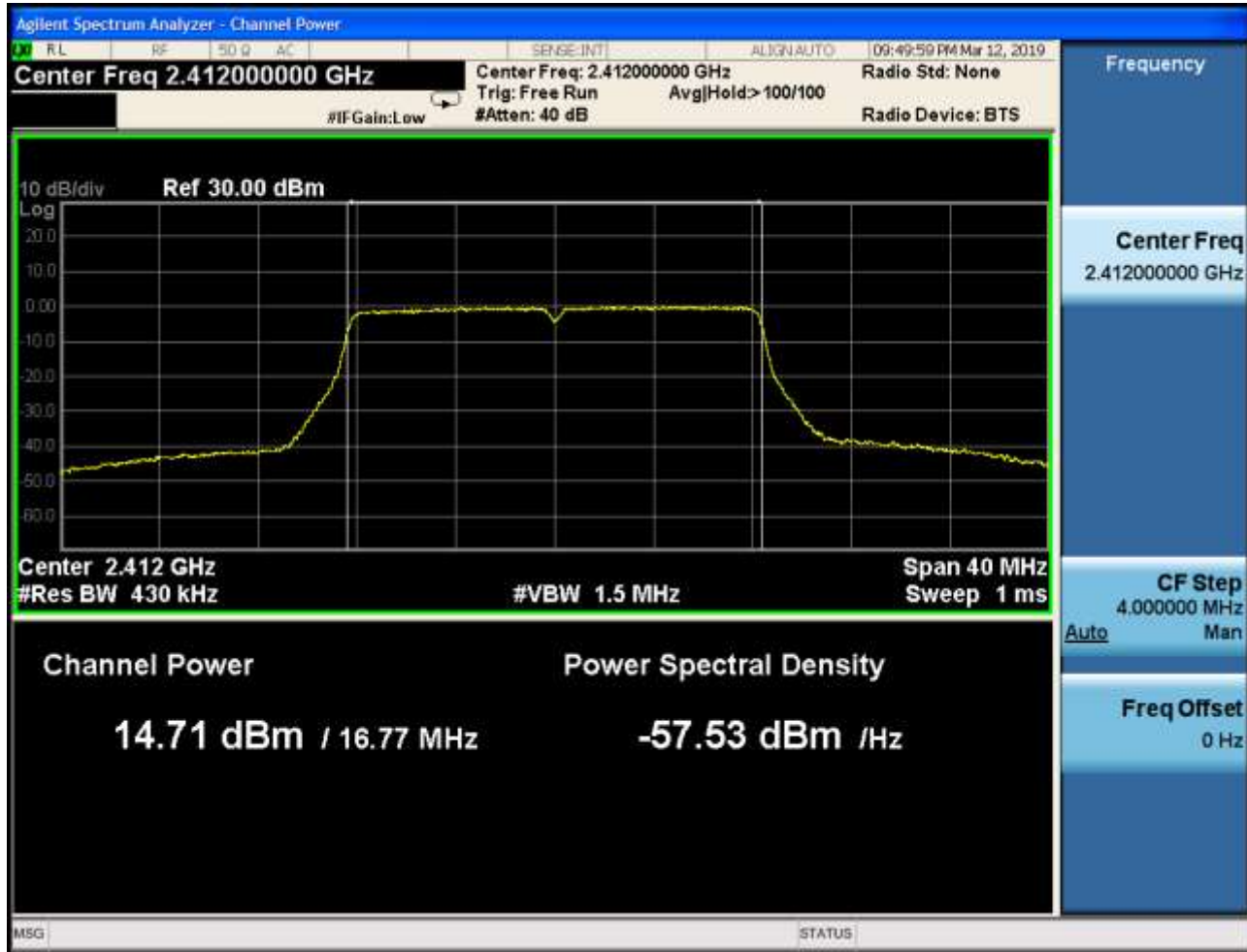


1.3 11B_Ant1_2462



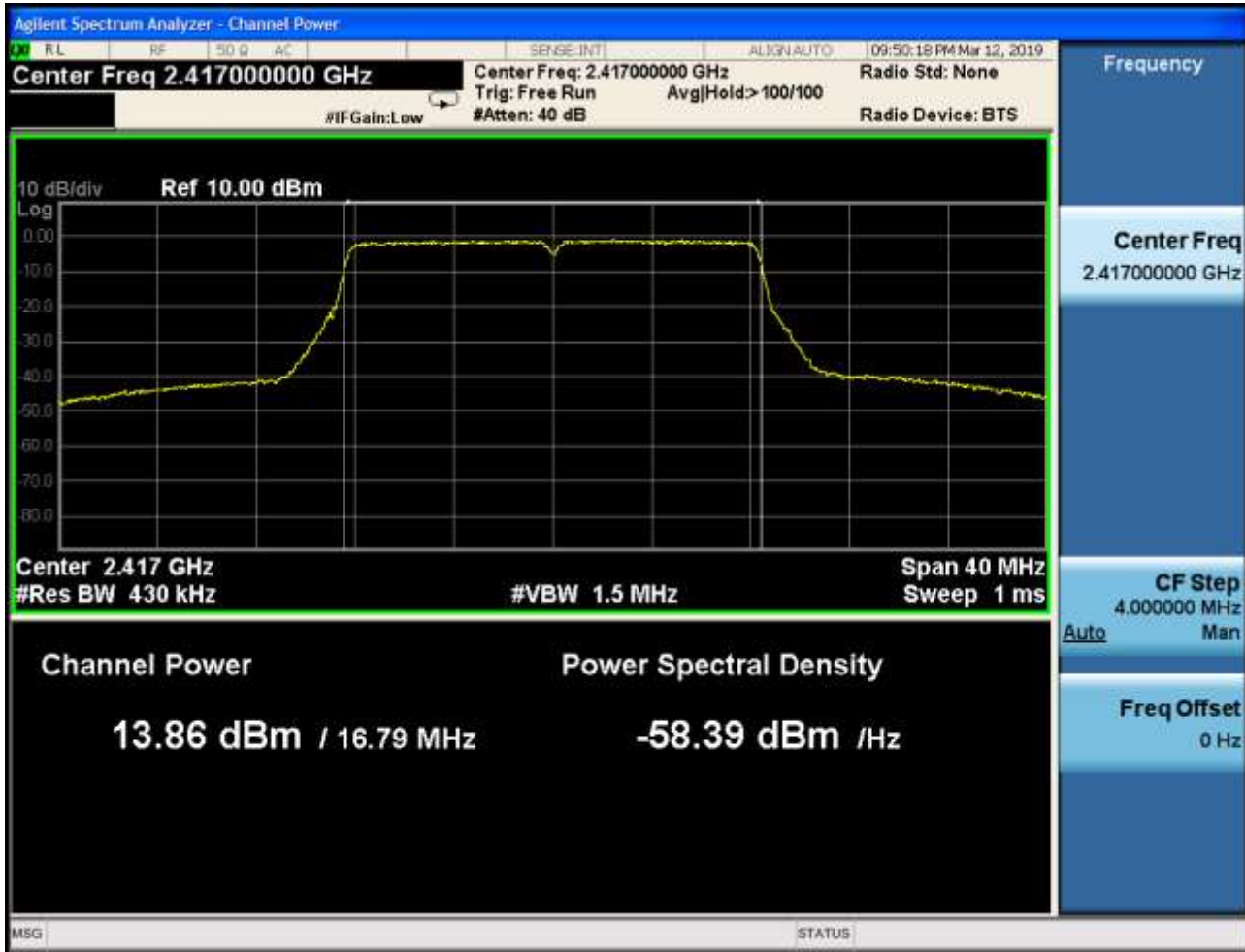


1.4 11G_Ant1_2412





1.5 11G_Ant1_2417





1.6 11G_Ant1_2437



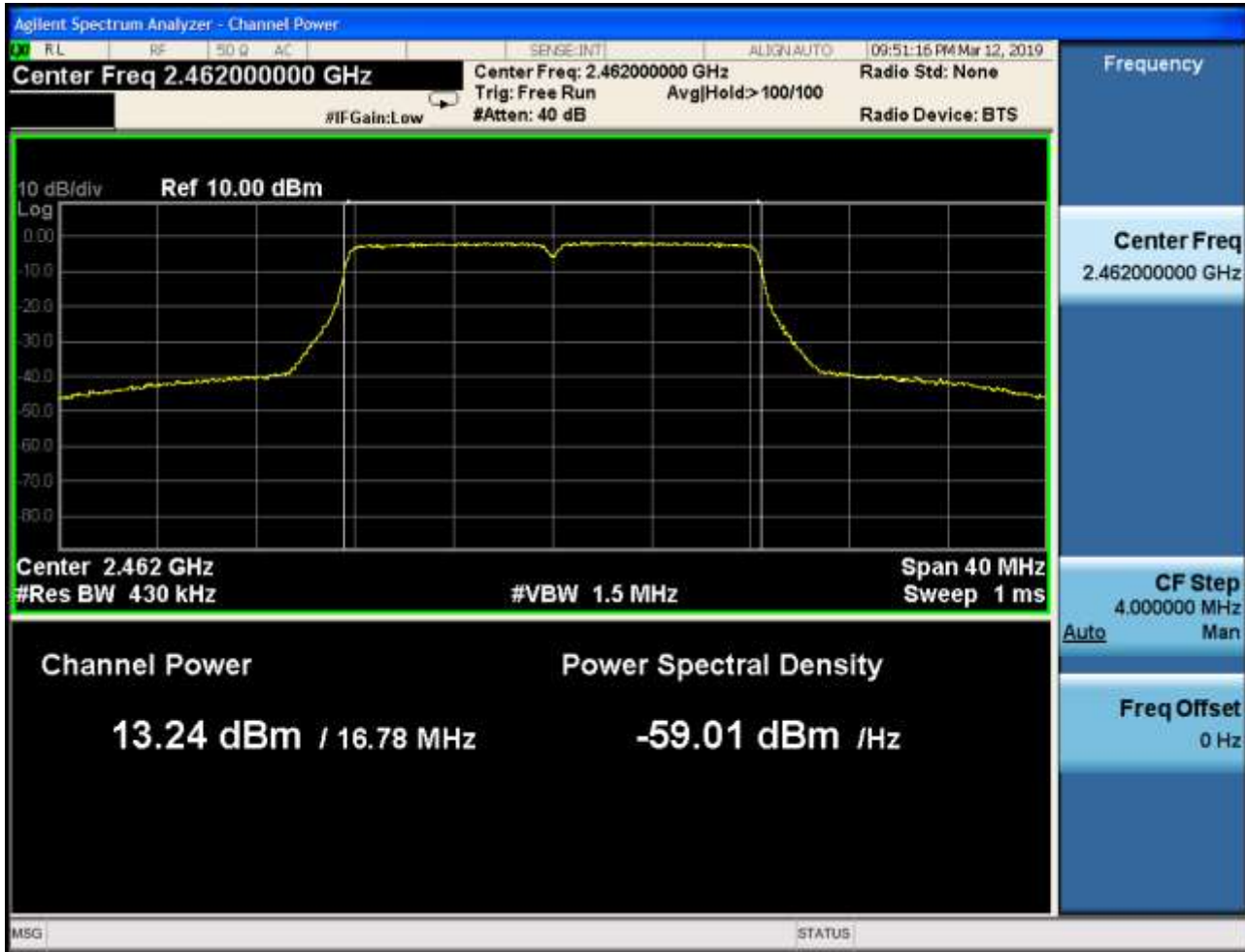


1.7 11G_Ant1_2457





1.8 11G_Ant1_2462





1.9 11N20SISO_Ant1_2412



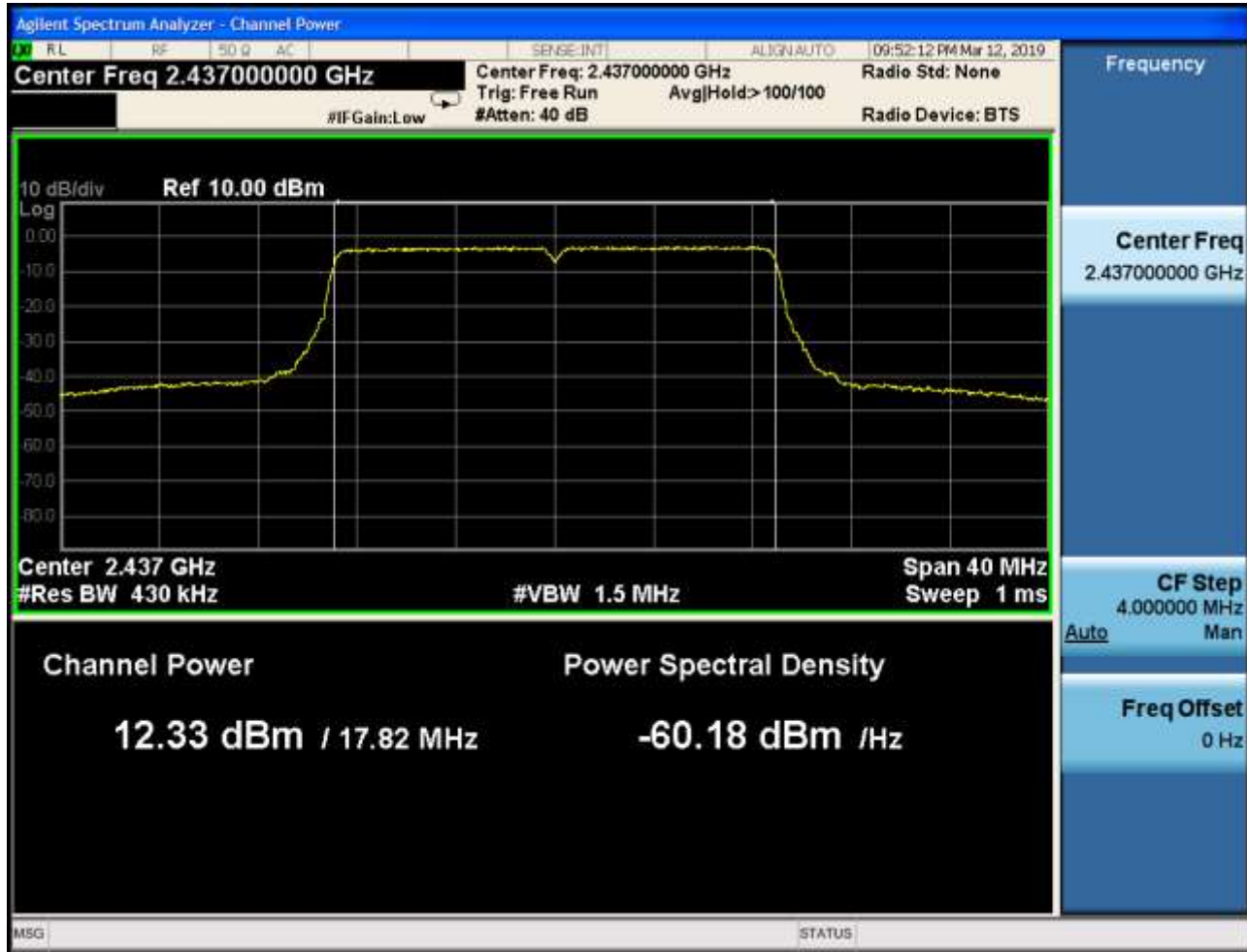


1.10 11N20SISO_Ant1_2417



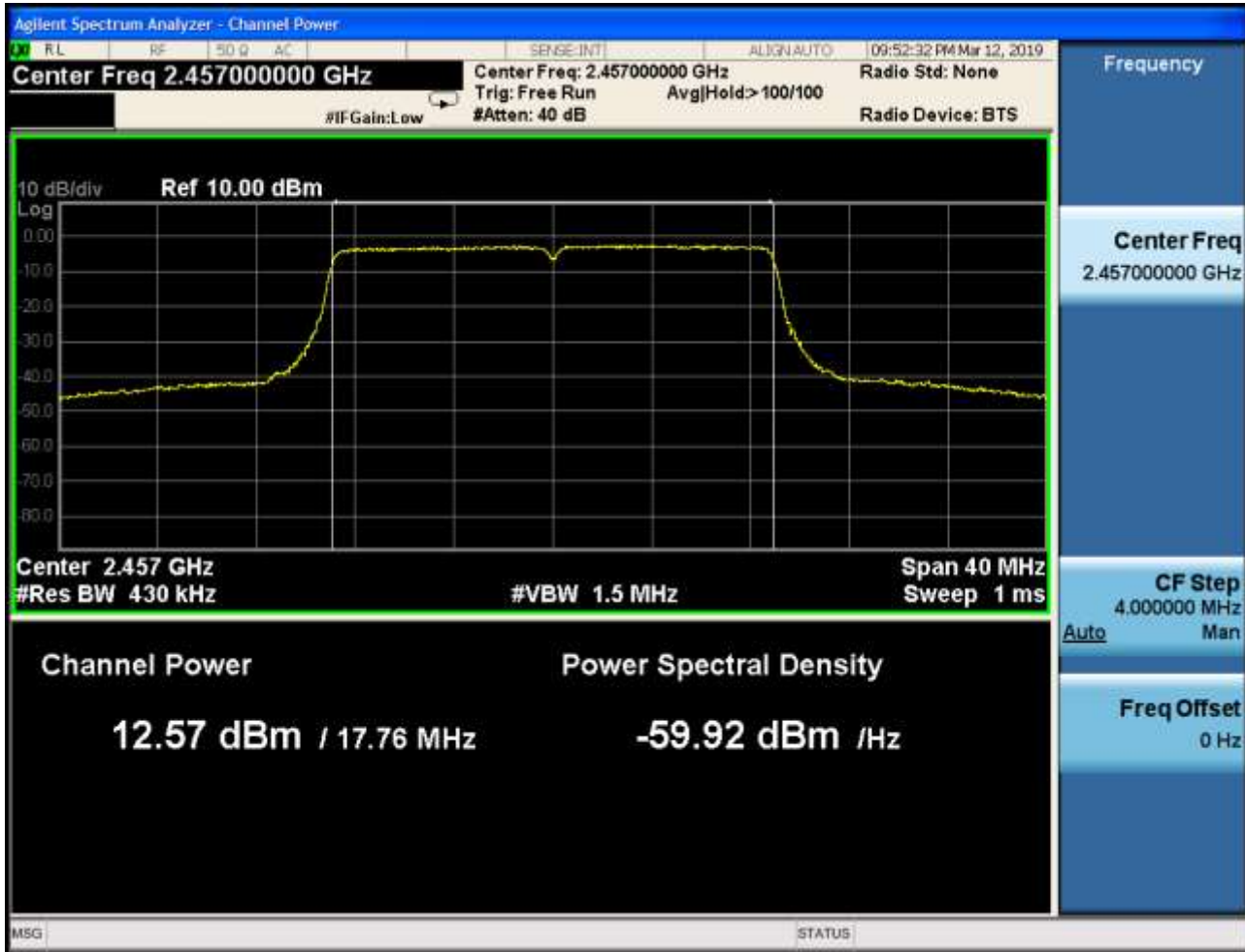


1.11 11N20SISO_Ant1_2437

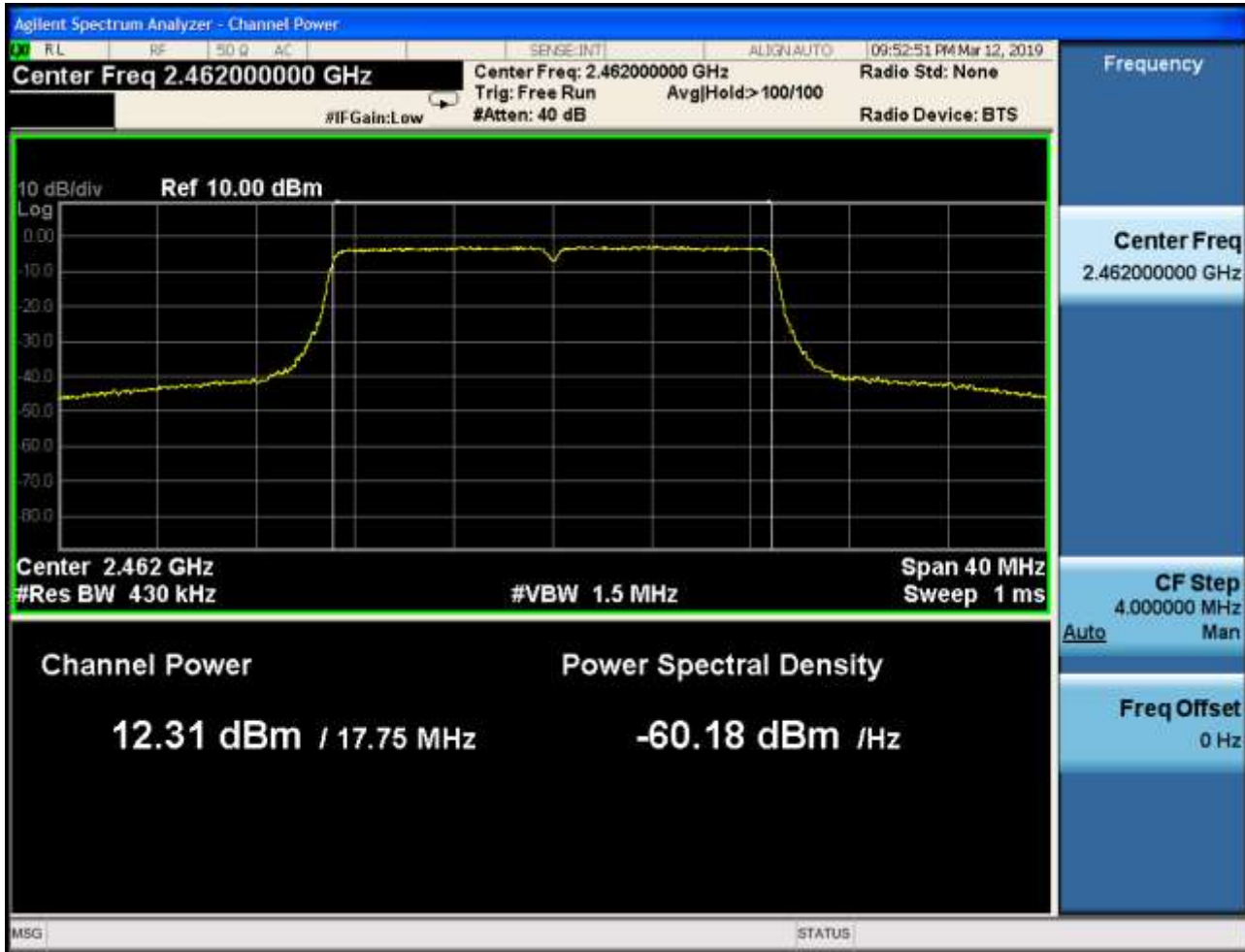




1.12 11N20SISO_Ant1_2457



1.13 11N20SISO_Ant1_2462





1.14 11N40SISO_Ant1_2422



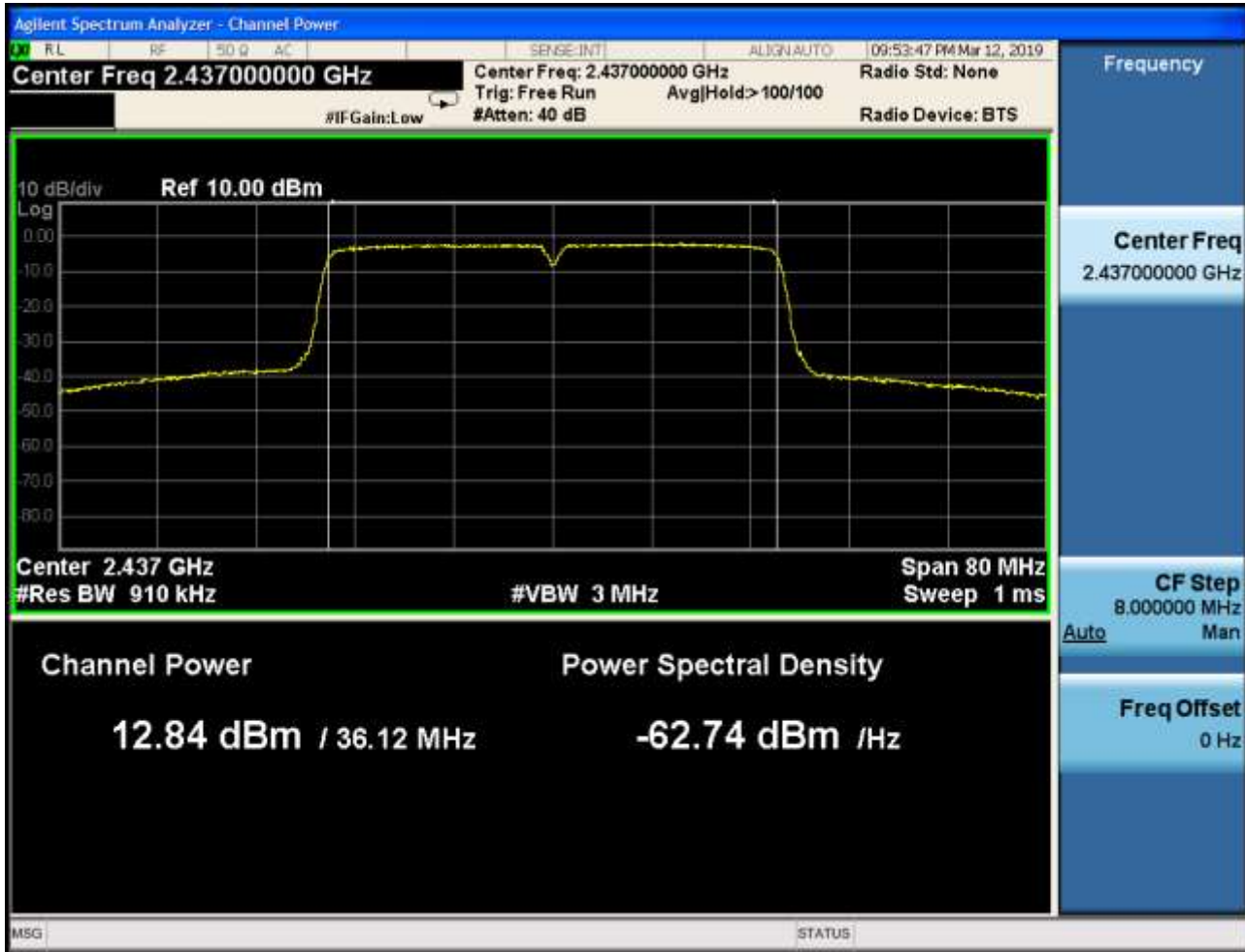


1.15 11N40SISO_Ant1_2427



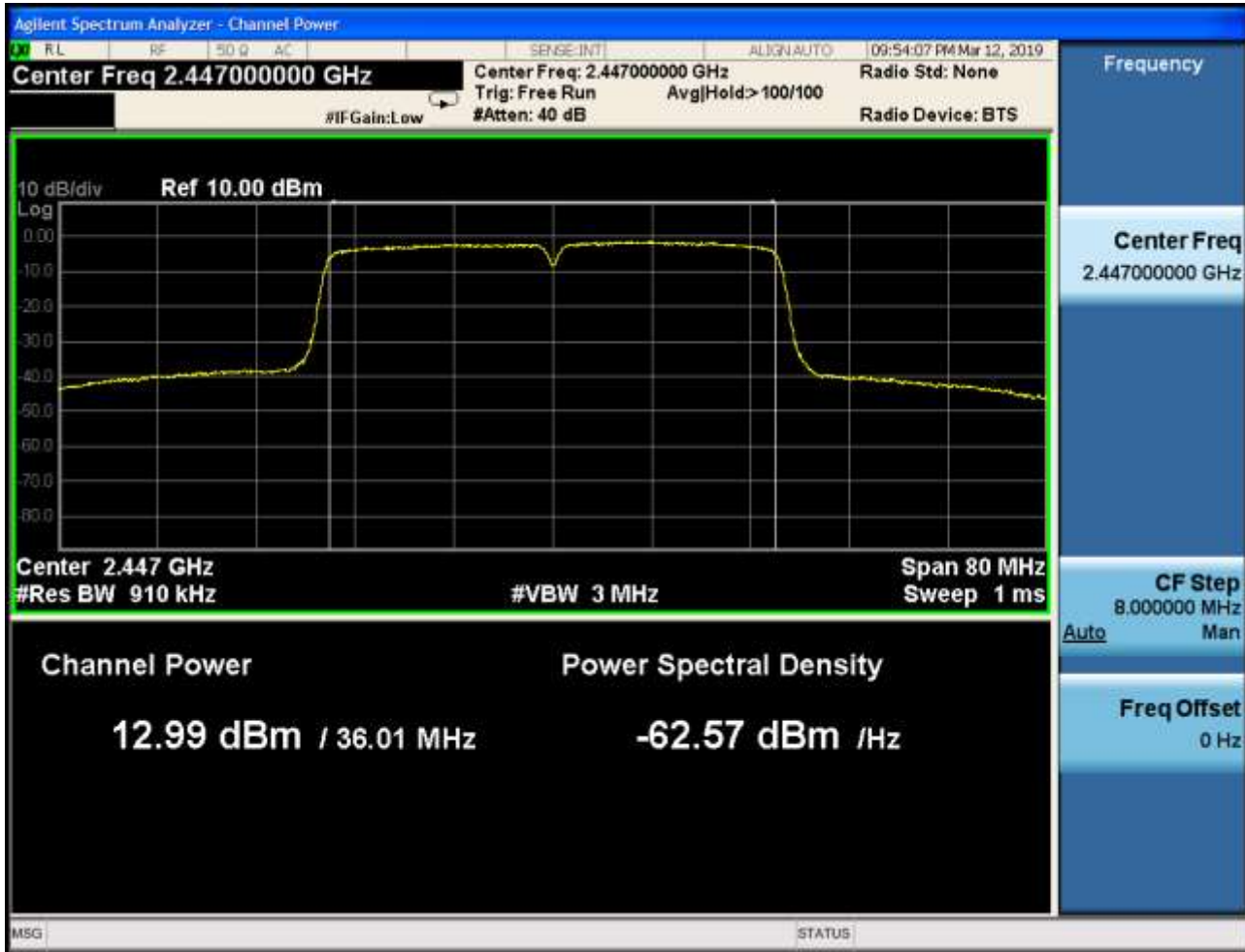


1.16 11N40SISO_Ant1_2437





1.17 11N40SISO_Ant1_2447





1.18 11N40SISO_Ant1_2452



Appendix E: Maximum Power Spectral Density Level

Part I - Test Results

Test Mode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.62	8	PASS
11B	Ant1	2437	-8.5	8	PASS
11B	Ant1	2462	-9.36	8	PASS
11G	Ant1	2412	-14.03	8	PASS
11G	Ant1	2417	-15.13	8	PASS
11G	Ant1	2437	-15.84	8	PASS
11G	Ant1	2457	-15.38	8	PASS
11G	Ant1	2462	-15.65	8	PASS
11N20SISO	Ant1	2412	-15.51	8	PASS
11N20SISO	Ant1	2417	-16.18	8	PASS
11N20SISO	Ant1	2437	-16.8	8	PASS
11N20SISO	Ant1	2457	-16.04	8	PASS
11N20SISO	Ant1	2462	-16.94	8	PASS
11N40SISO	Ant1	2422	-18.1	8	PASS
11N40SISO	Ant1	2427	-18.58	8	PASS
11N40SISO	Ant1	2437	-19.17	8	PASS
11N40SISO	Ant1	2447	-18.28	8	PASS
11N40SISO	Ant1	2452	-18.5	8	PASS

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



Part II - Test Graphs

1.1 11B_Ant1_2412



1.2 11B_Ant1_2437



1.3 11B_Ant1_2462



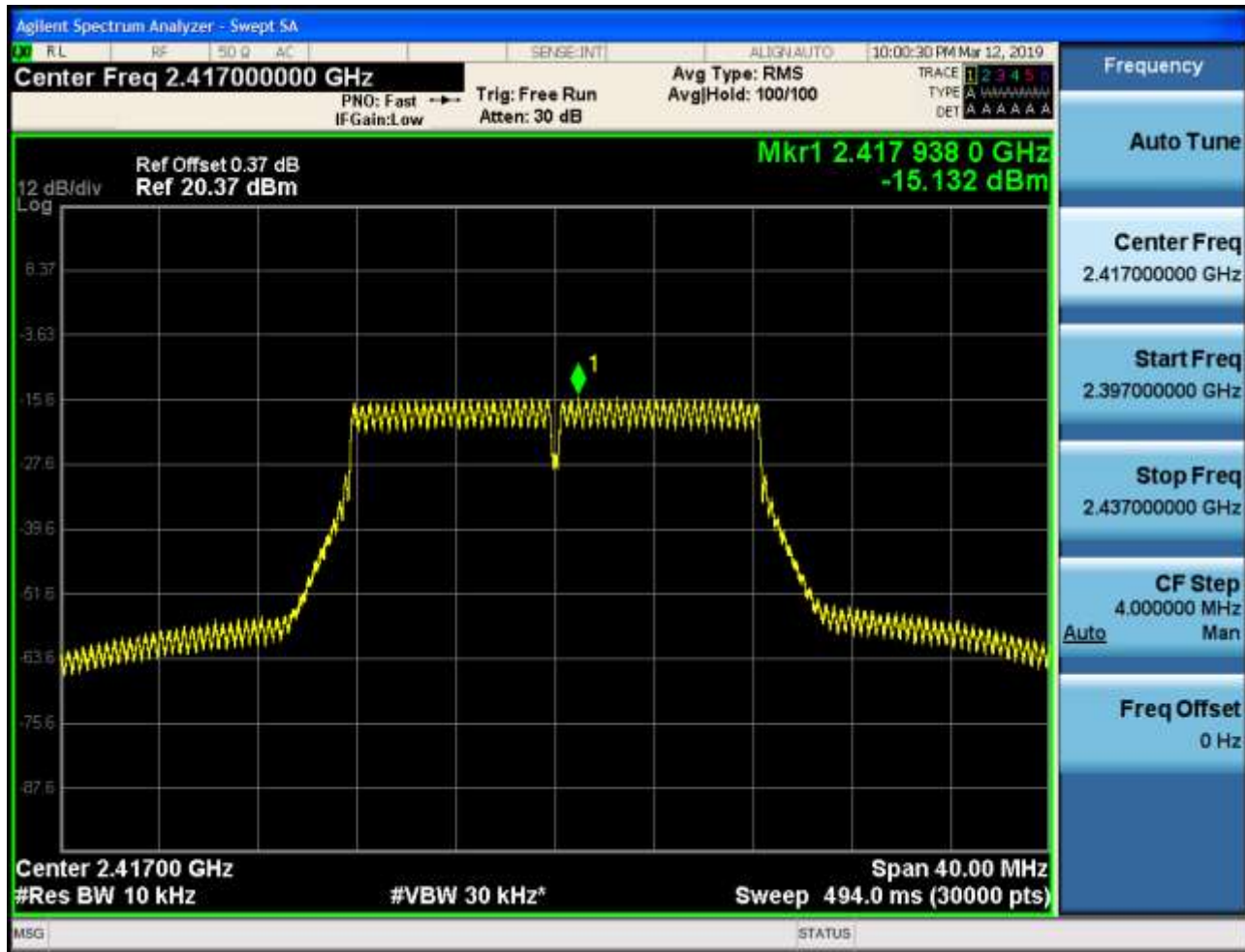


1.4 11G_Ant1_2412

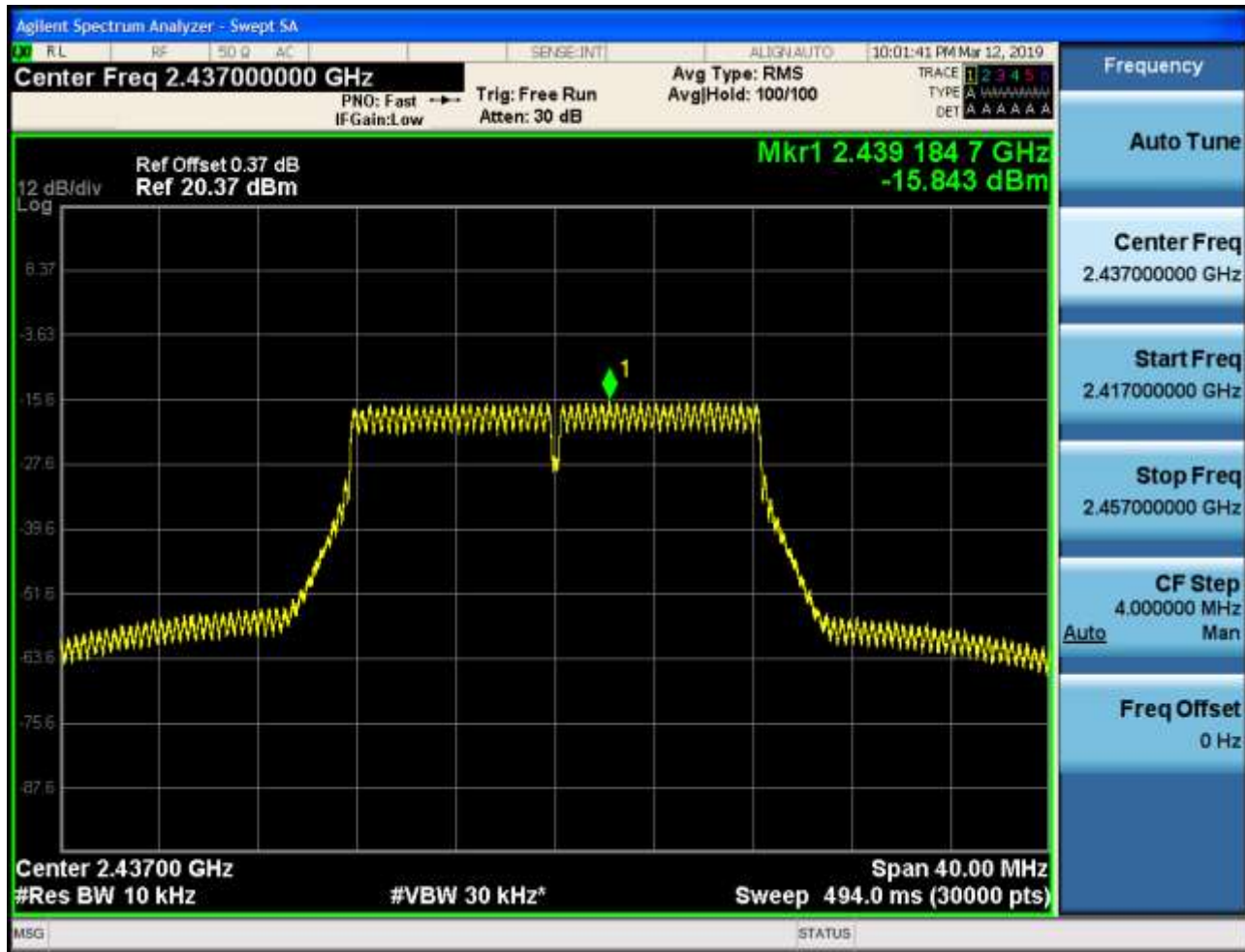




1.5 11G_Ant1_2417



1.6 11G_Ant1_2437



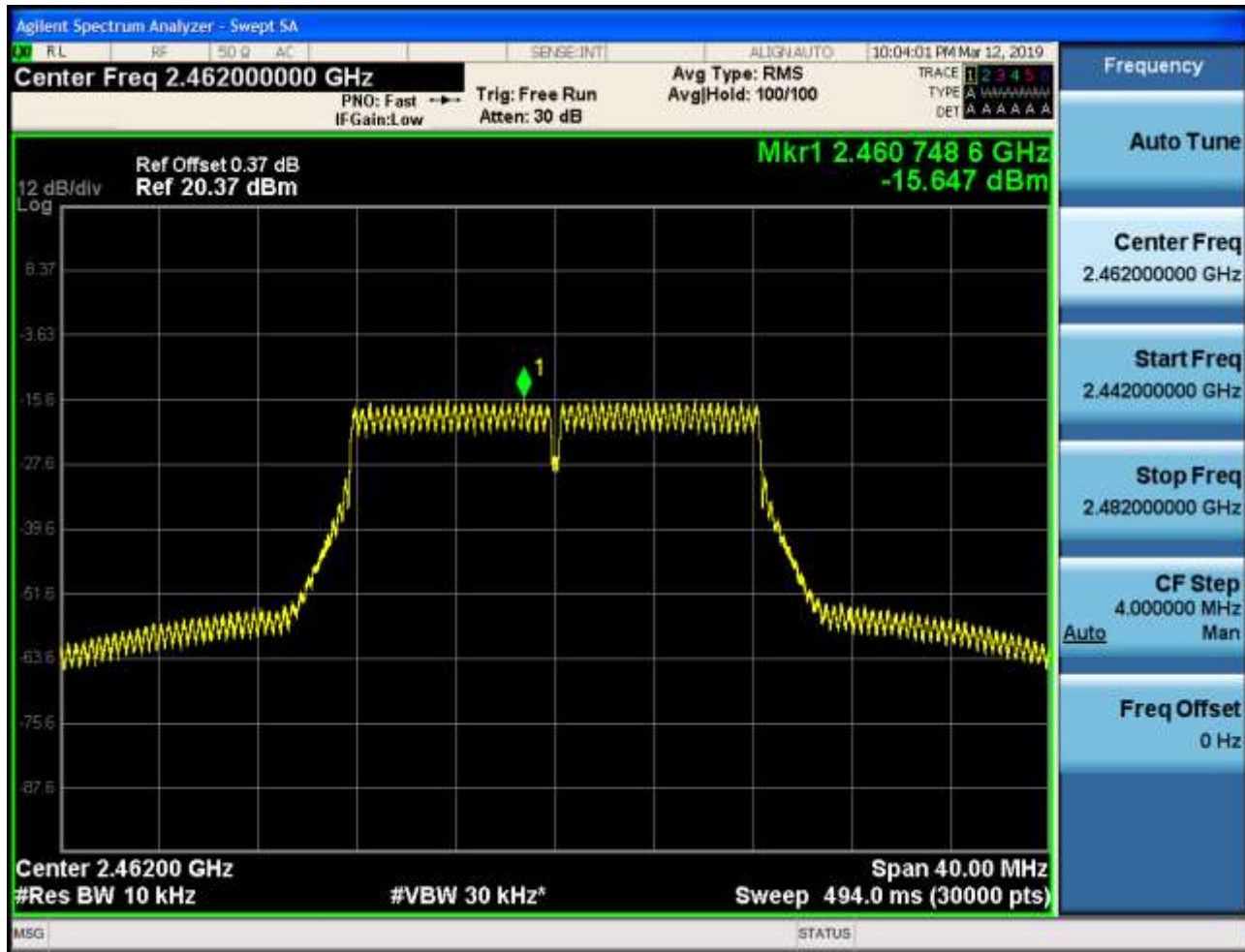


1.7 11G_Ant1_2457





1.8 11G_Ant1_2462

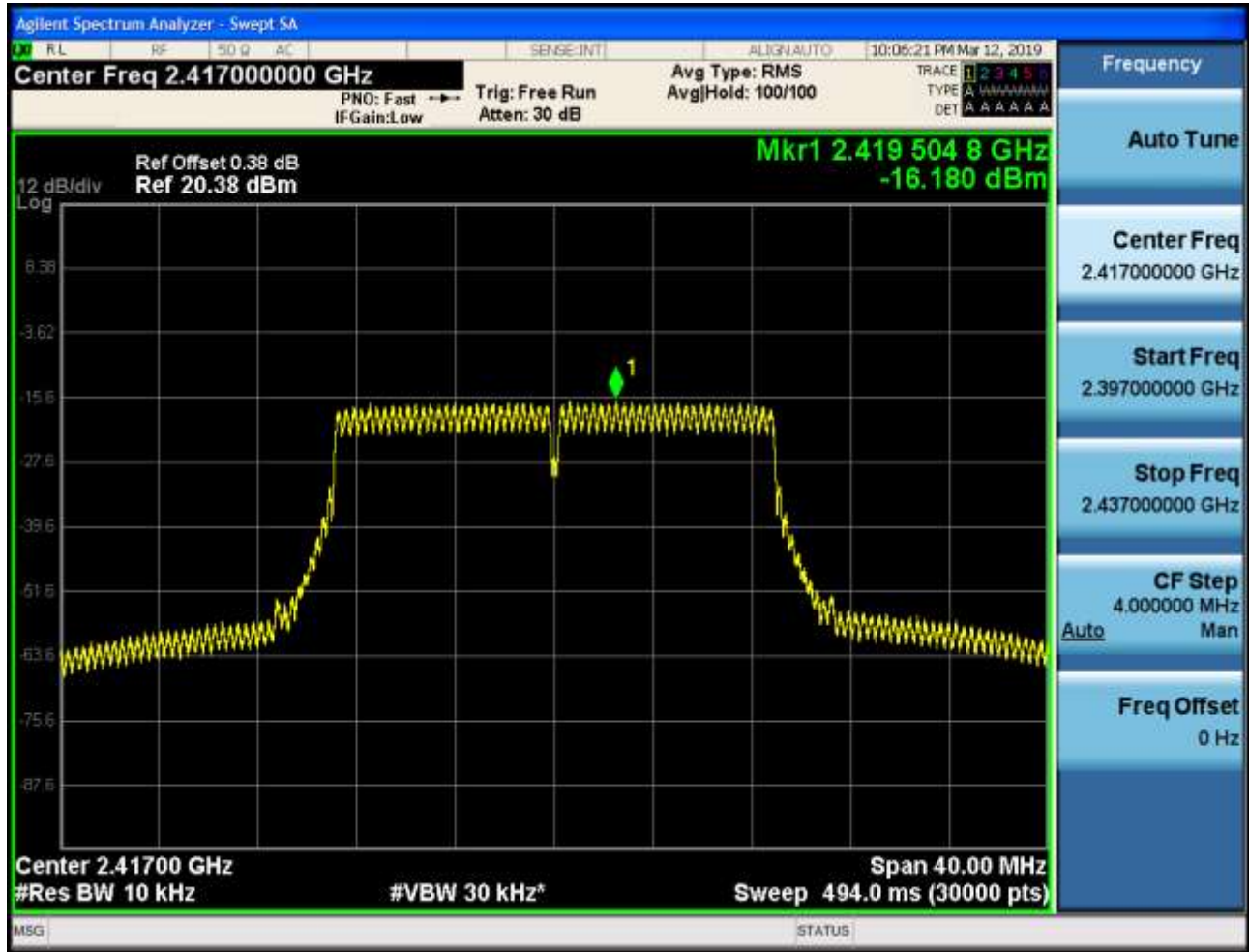


1.9 11N20SISO_Ant1_2412



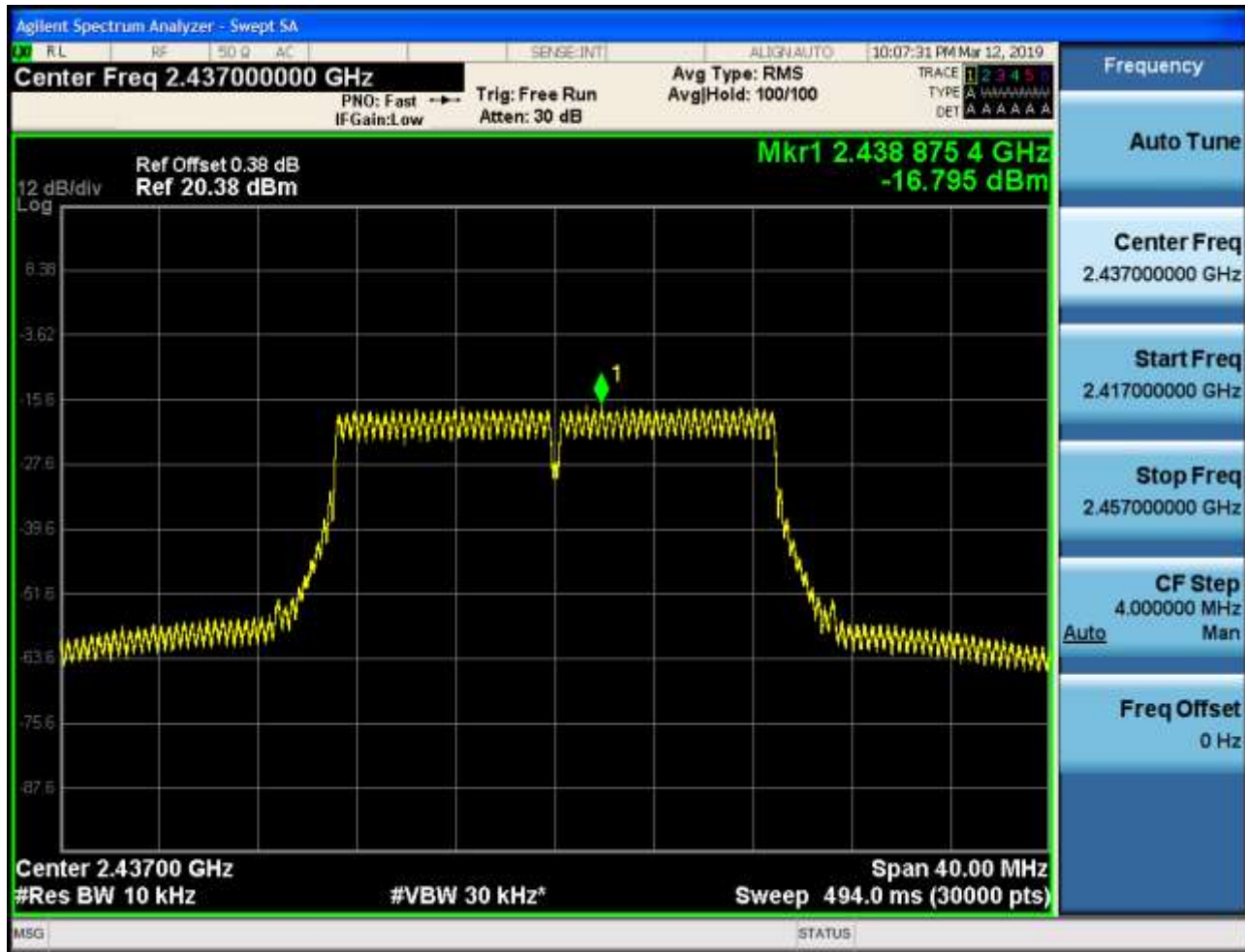


1.10 11N20SISO_Ant1_2417

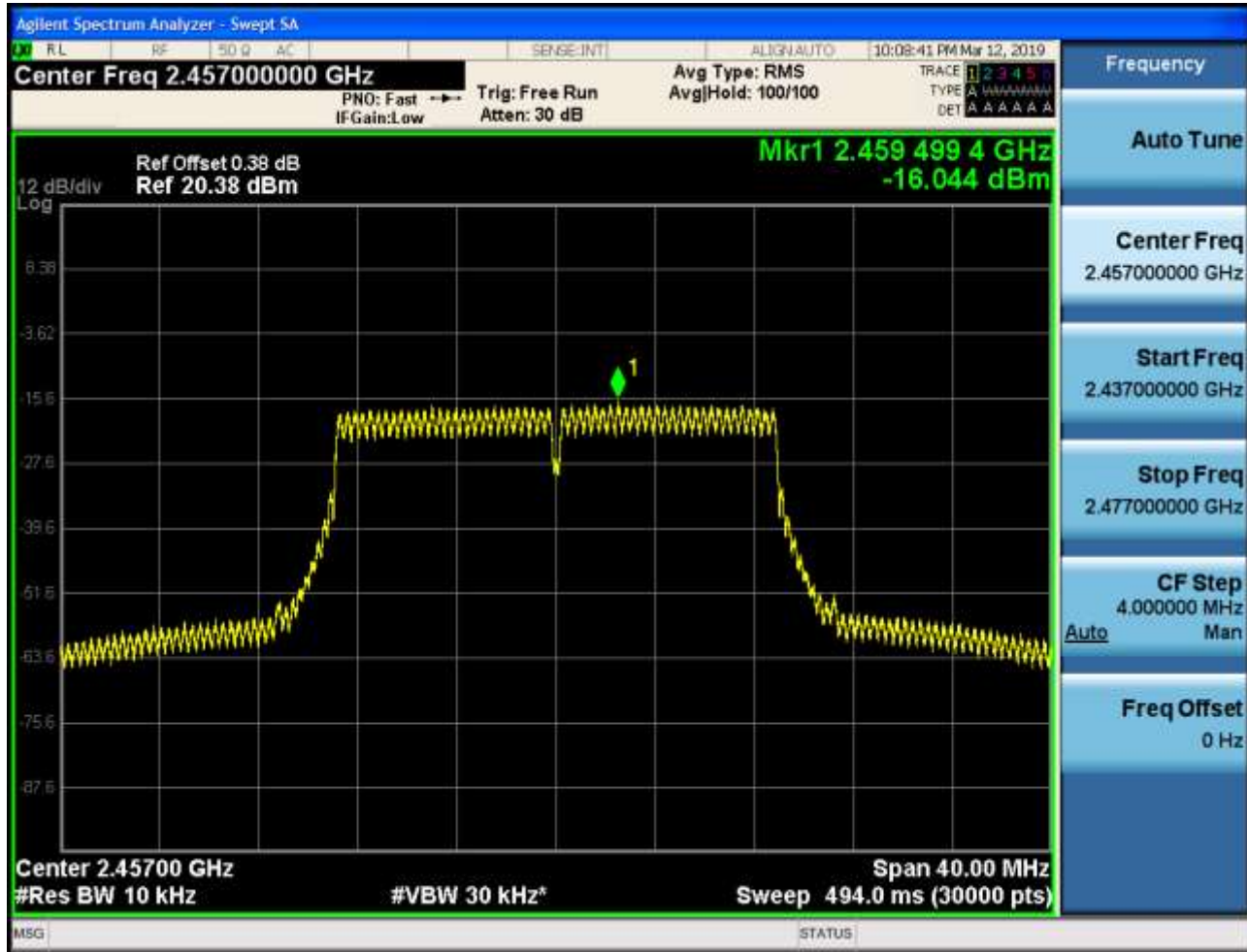




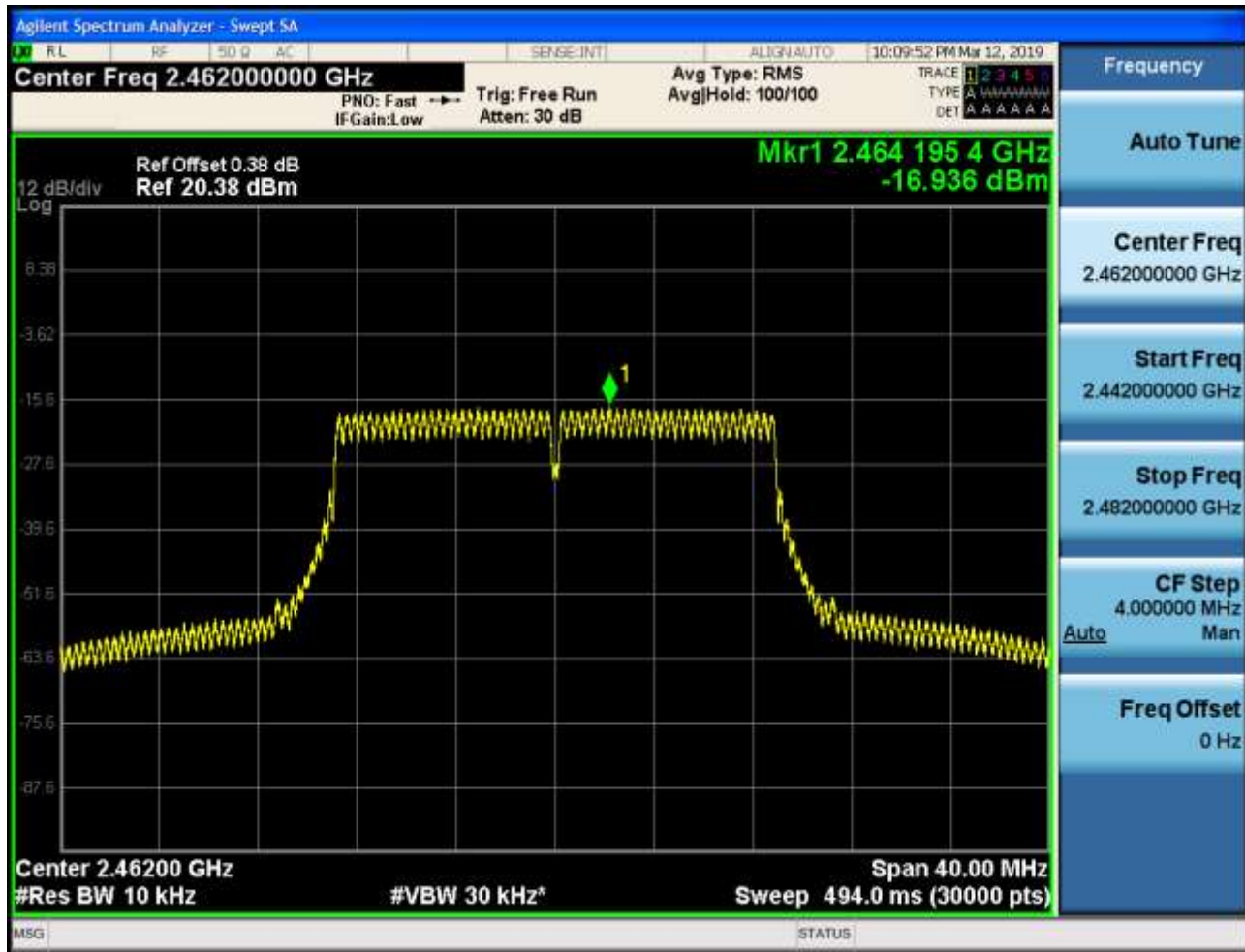
1.11 11N20SISO_Ant1_2437



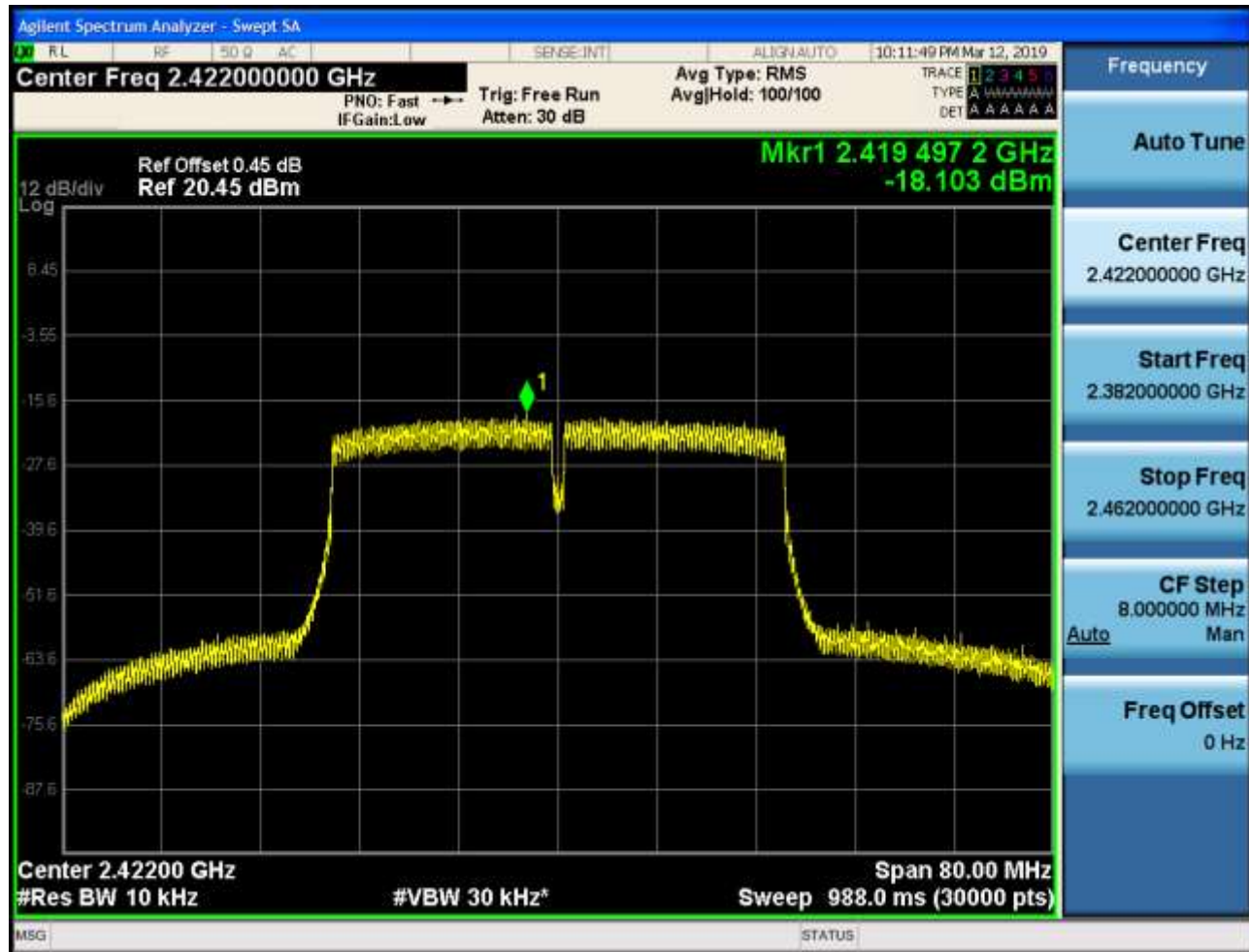
1.12 11N20SISO_Ant1_2457



1.13 11N20SISO_Ant1_2462



1.14 11N40SISO_Ant1_2422



1.15 11N40SISO_Ant1_2427



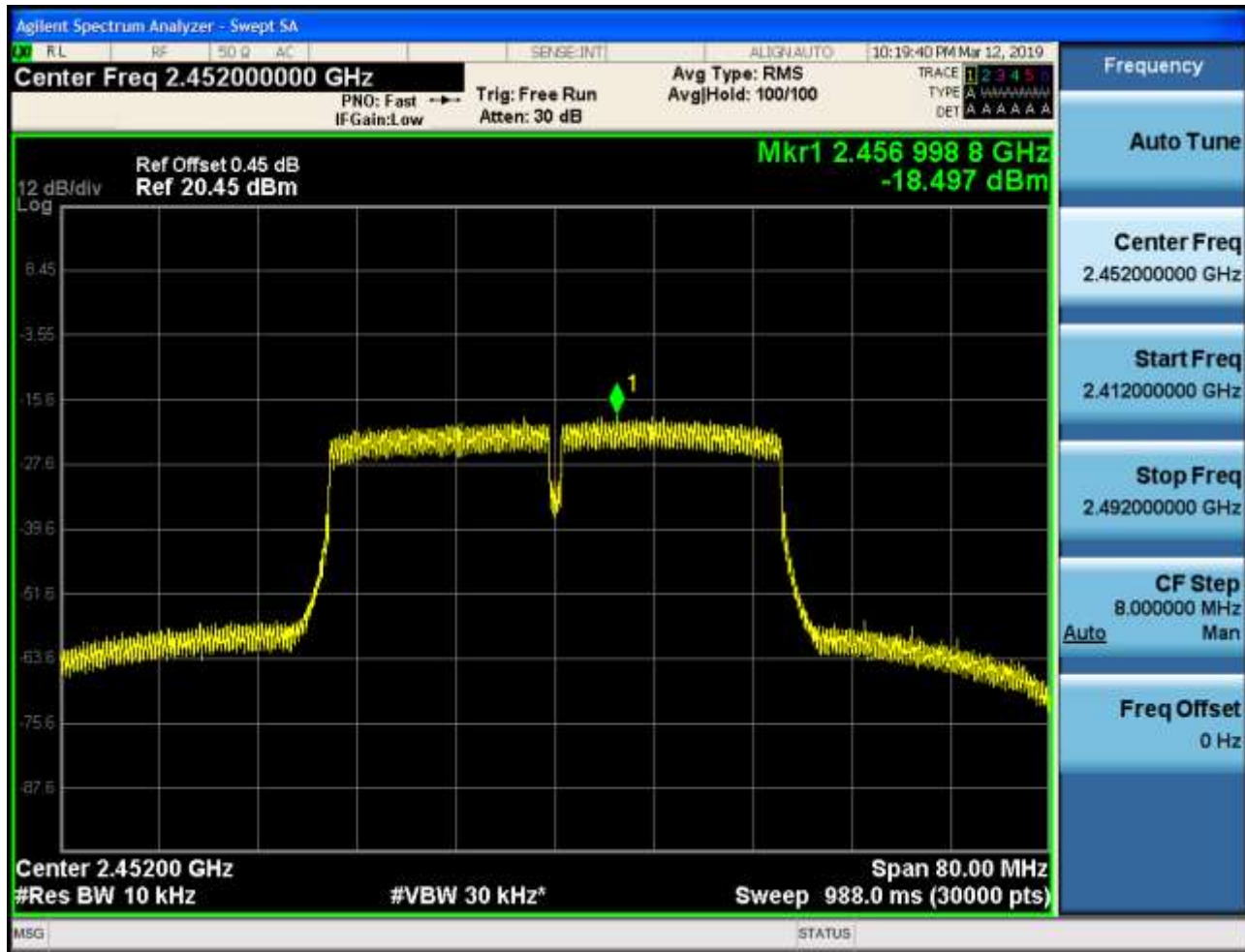
1.16 11N40SISO_Ant1_2437



1.17 11N40SISO_Ant1_2447



1.18 11N40SISO_Ant1_2452



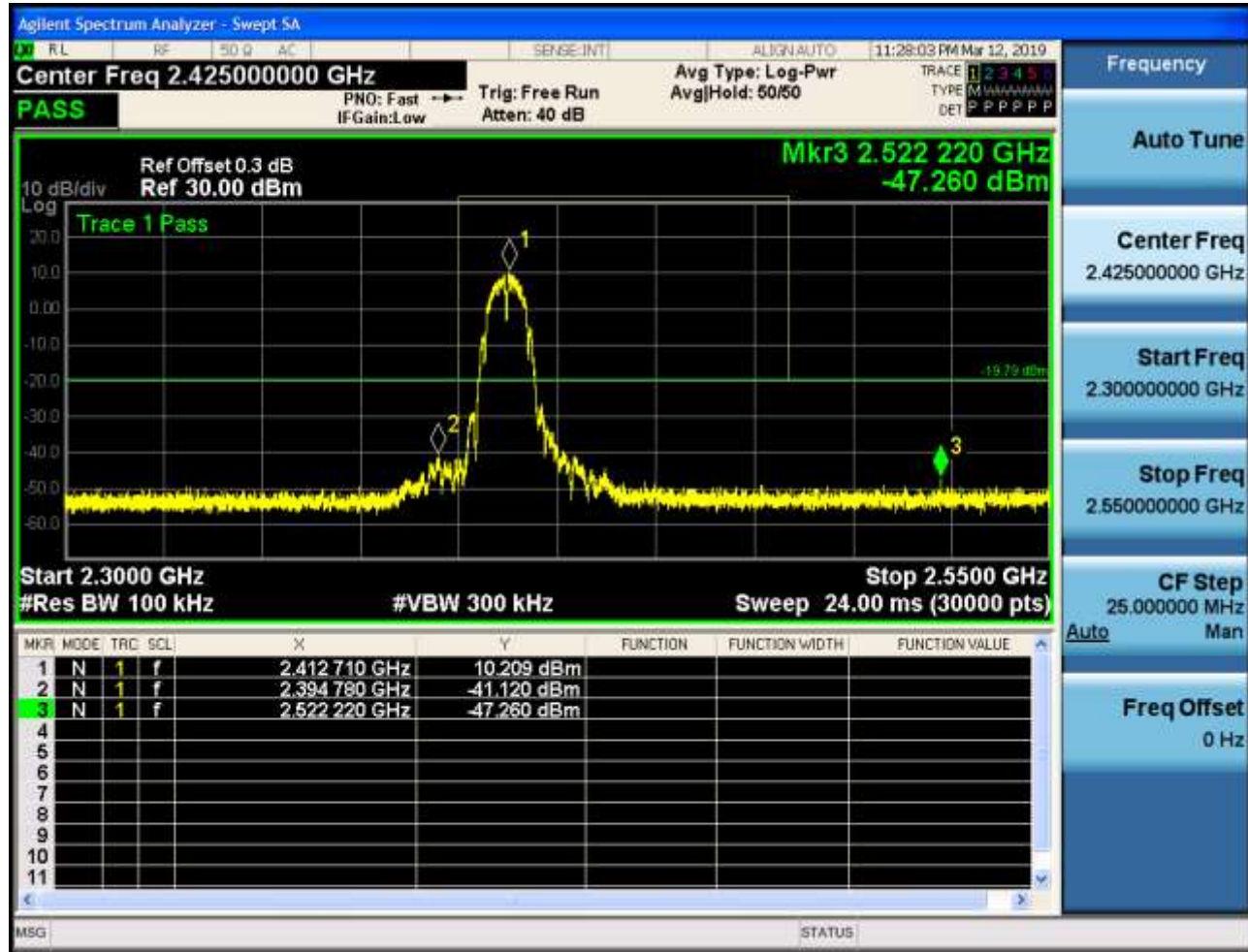
Appendix F: Band Edges Compliance

Part I - Test Results

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.21	-41.12	-19.79	PASS
11B	Ant1	High	2462	7.12	-47.57	-22.88	PASS
11G	Ant1	Low	2412	3.37	-36.94	-26.63	PASS
11G	Ant1	High	2417	2.38	-48.61	-27.62	PASS
11G	Ant1	High	2457	0.82	-48.72	-29.18	PASS
11G	Ant1	High	2462	1.56	-45.41	-28.44	PASS
11N20SISO	Ant1	Low	2412	2.33	-39.16	-27.67	PASS
11N20SISO	Ant1	High	2417	1.34	-48.62	-28.66	PASS
11N20SISO	Ant1	High	2457	1.13	-48.64	-28.87	PASS
11N20SISO	Ant1	High	2462	0.23	-43.33	-29.77	PASS
11N40SISO	Ant1	Low	2422	-1.03	-38.71	-31.03	PASS
11N40SISO	Ant1	High	2427	-1.25	-48.5	-31.25	PASS
11N40SISO	Ant1	High	2447	-1.03	-43.91	-31.03	PASS
11N40SISO	Ant1	High	2452	-0.9	-42.07	-30.9	PASS

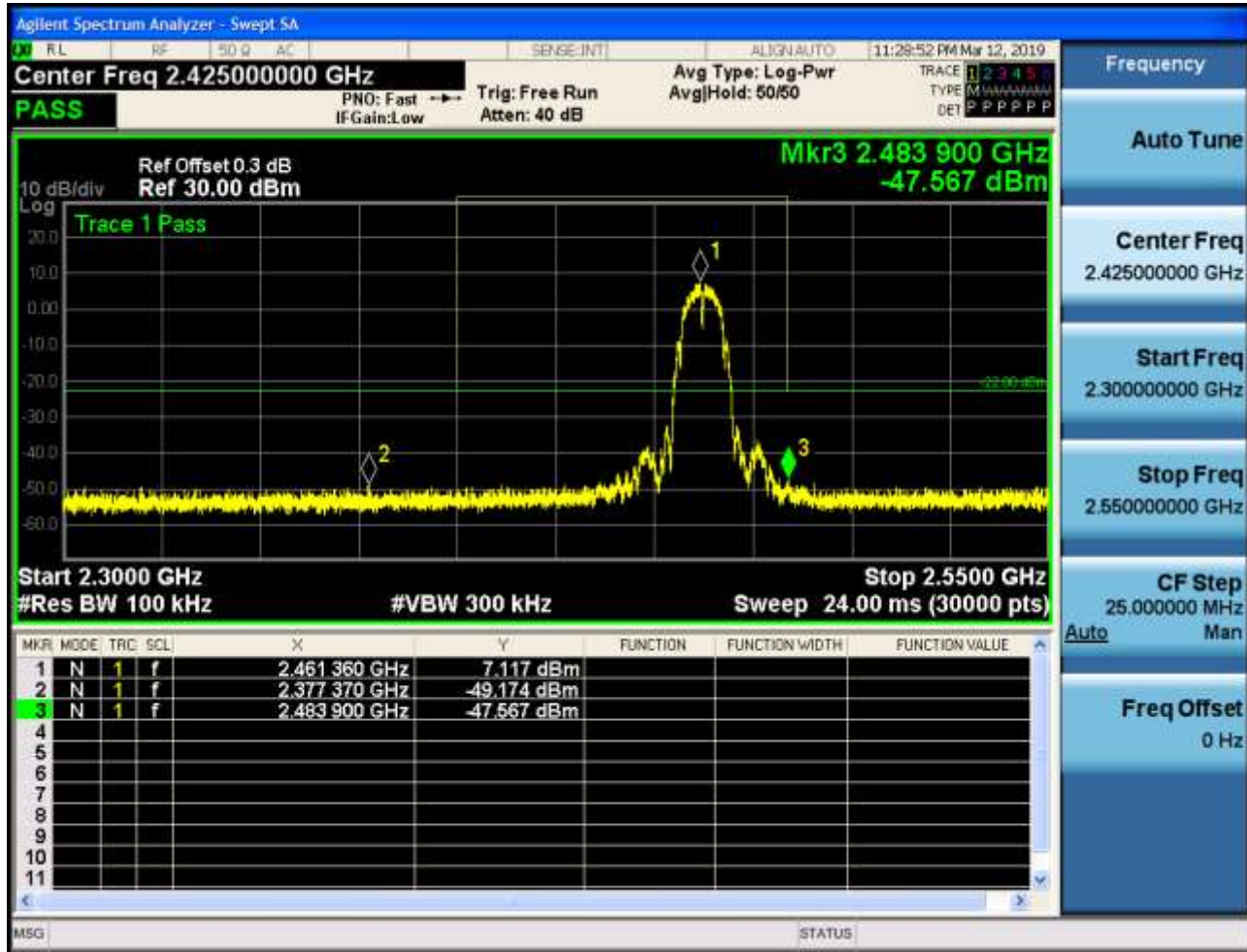
Part II - Test Graphs

1.1 11B_Ant1_2412



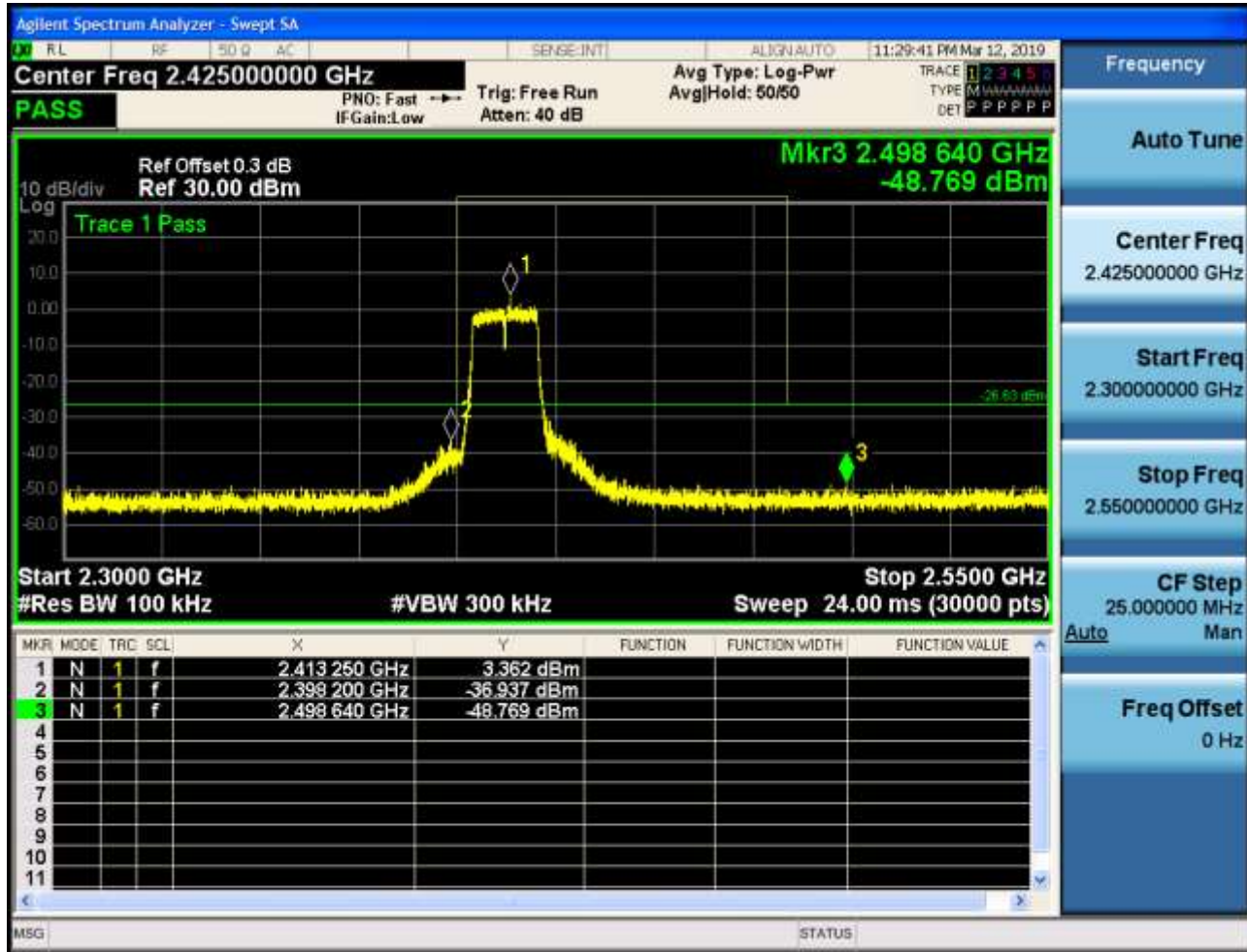


1.2 11B_Ant1_2462



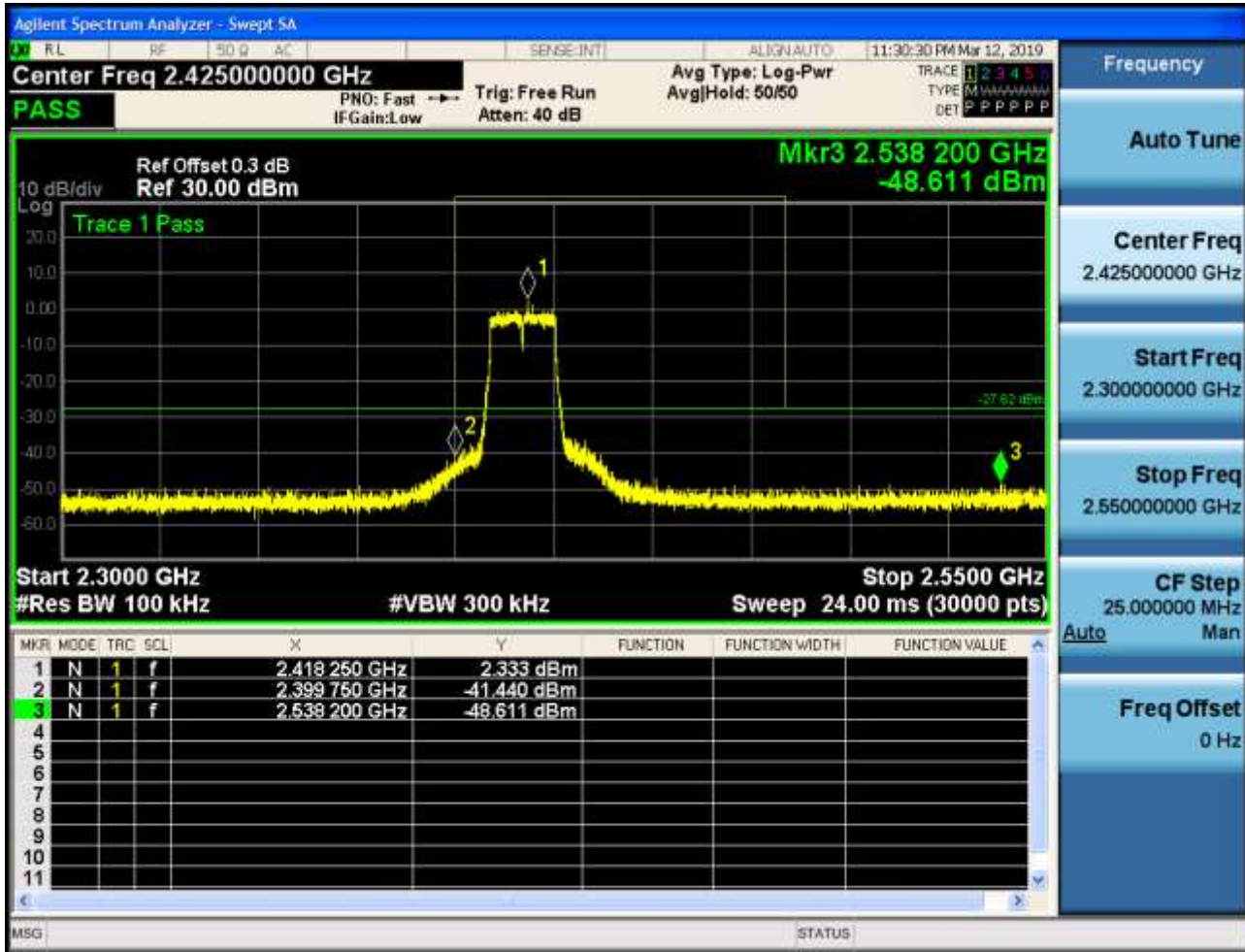


1.3 11G_Ant1_2412



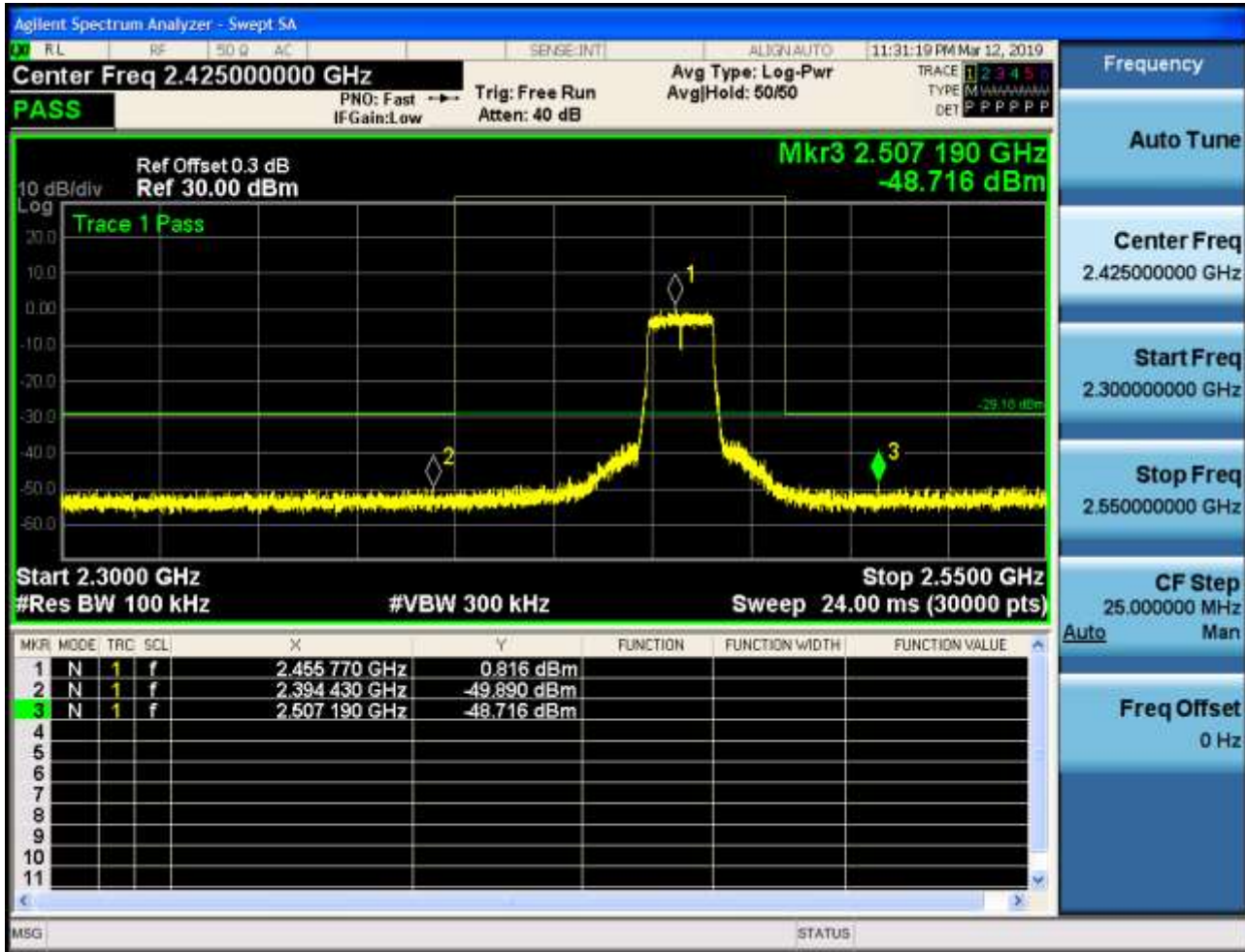


1.4 11G_Ant1_2417



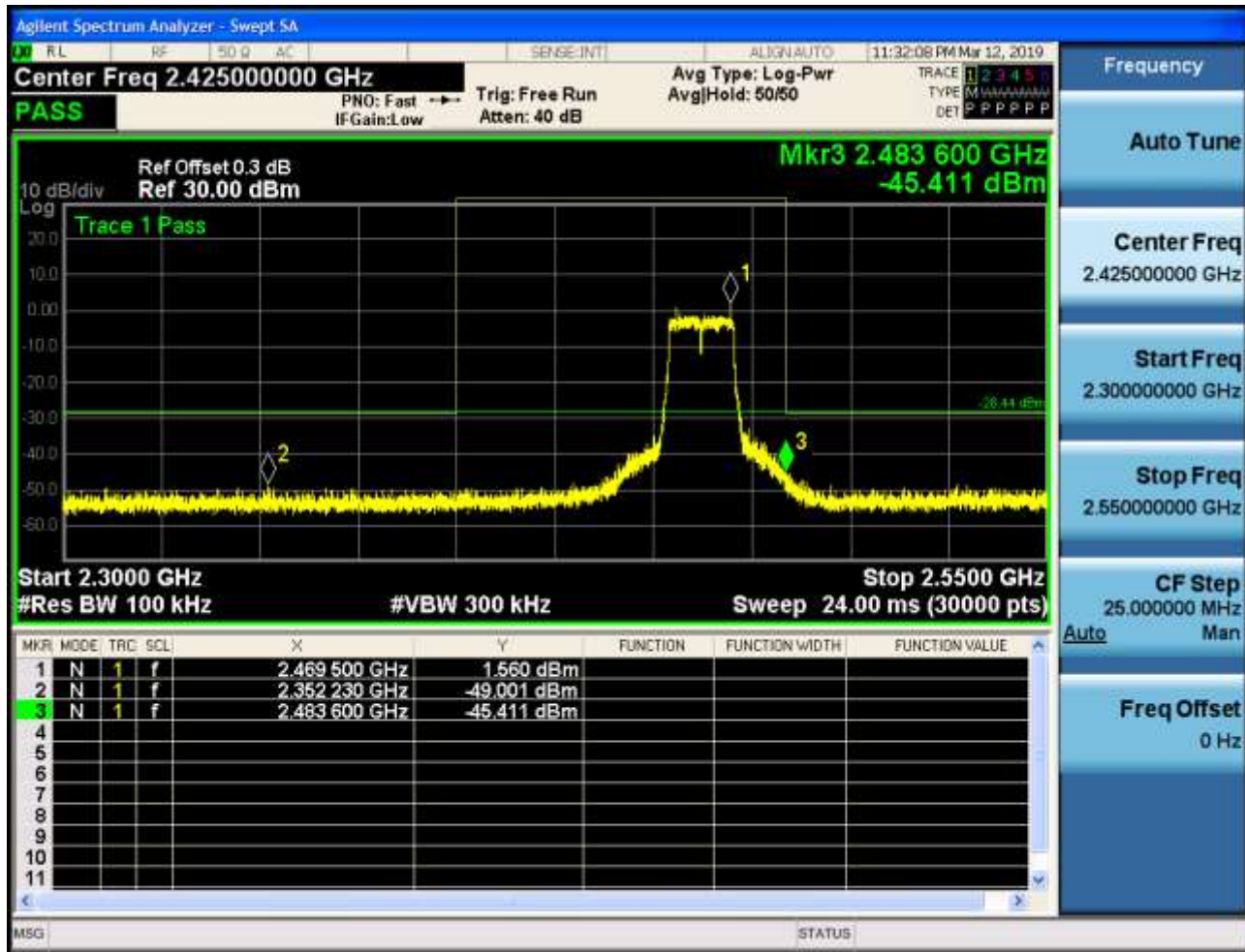


1.5 11G_Ant1_2457



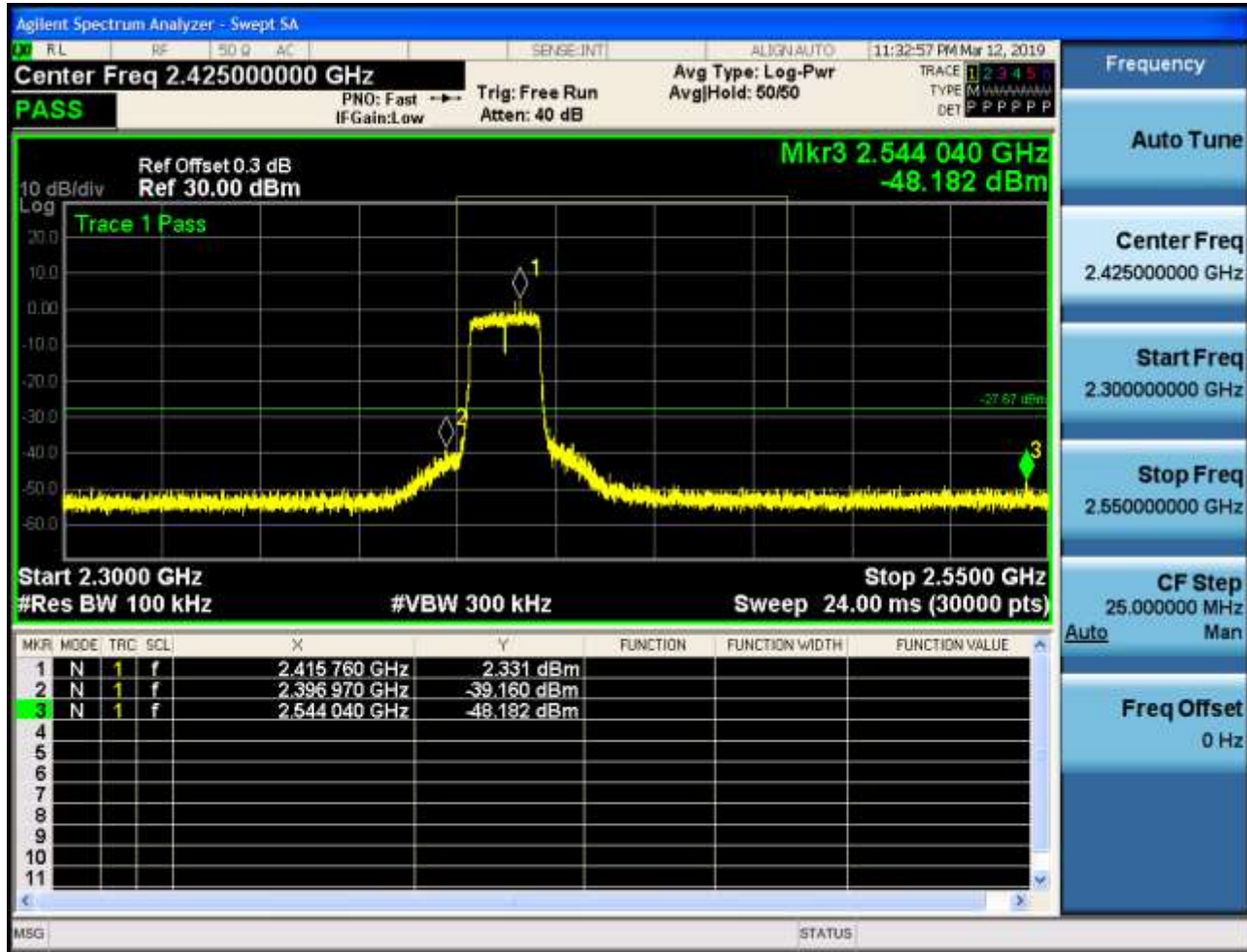


1.6 11G_Ant1_2462



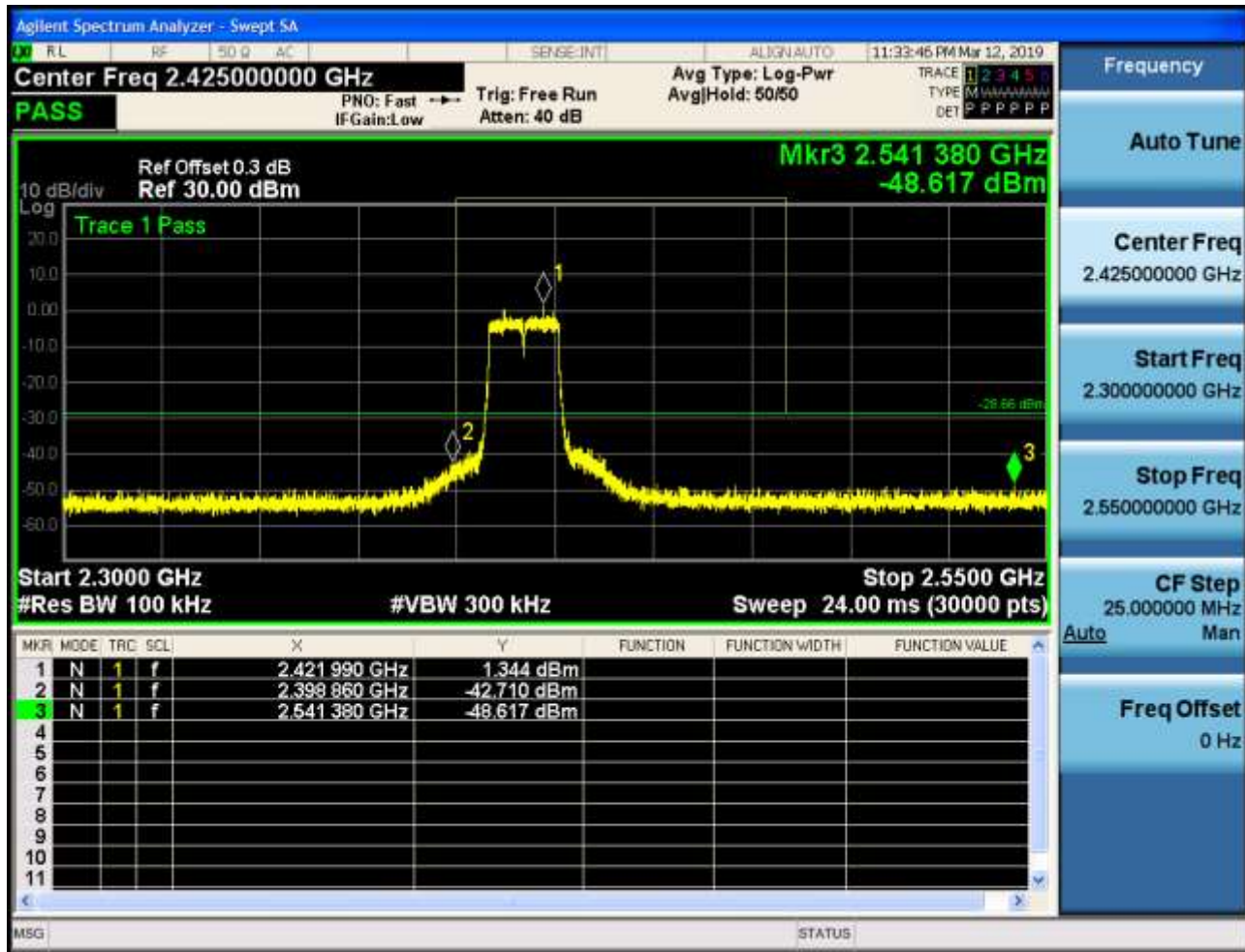


1.7 11N20SISO_Ant1_2412



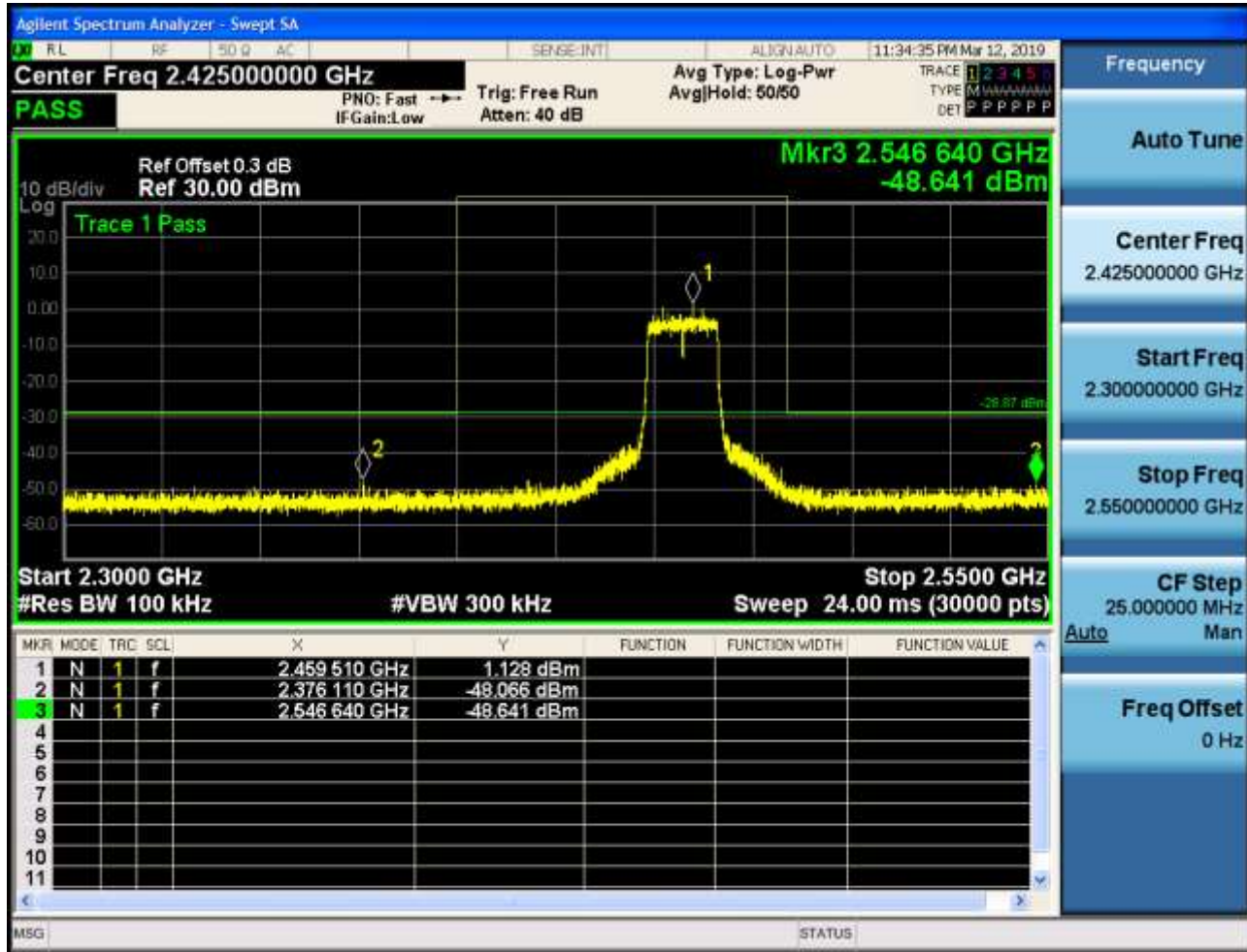


1.8 11N20SISO_Ant1_2417



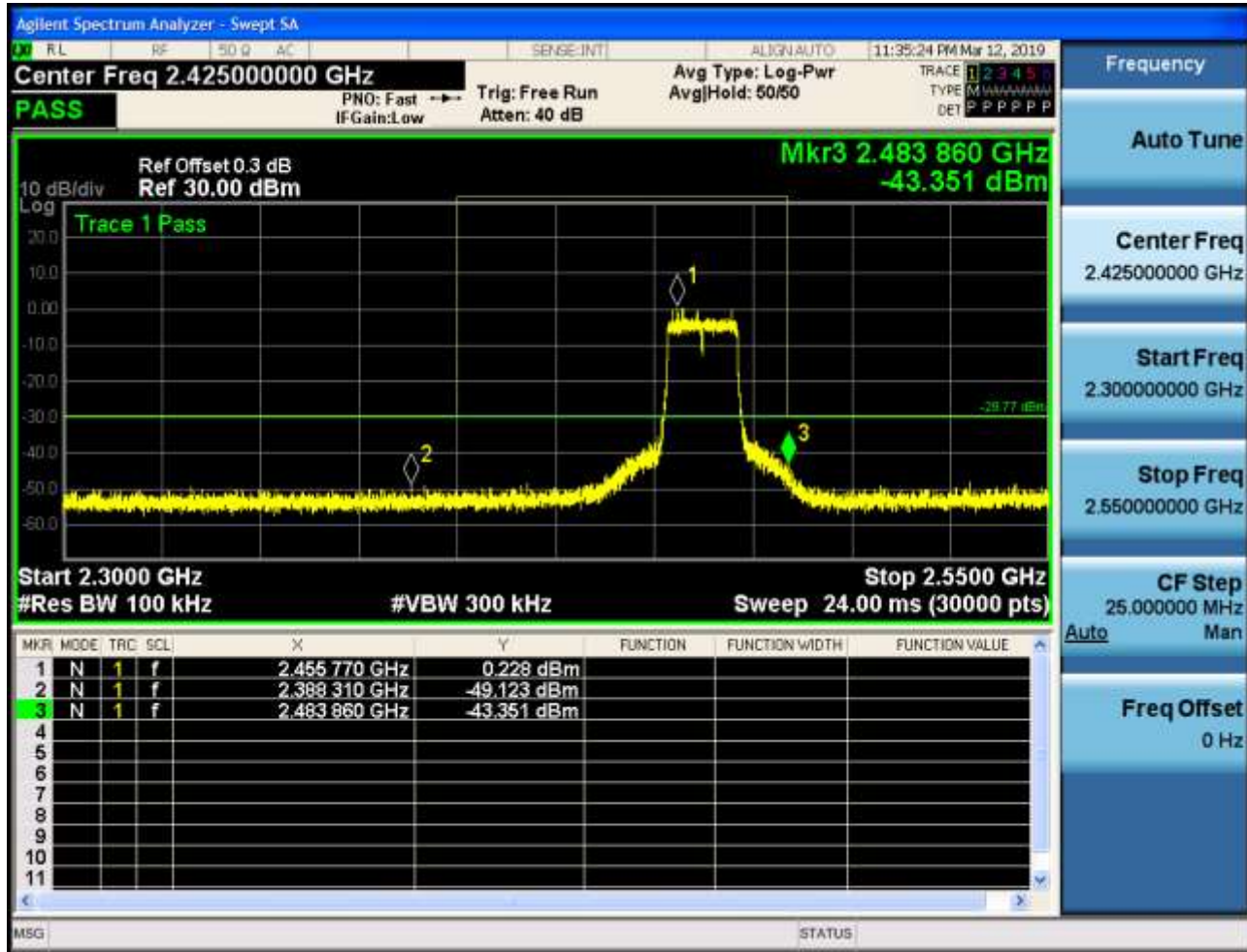


1.9 11N20SISO_Ant1_2457



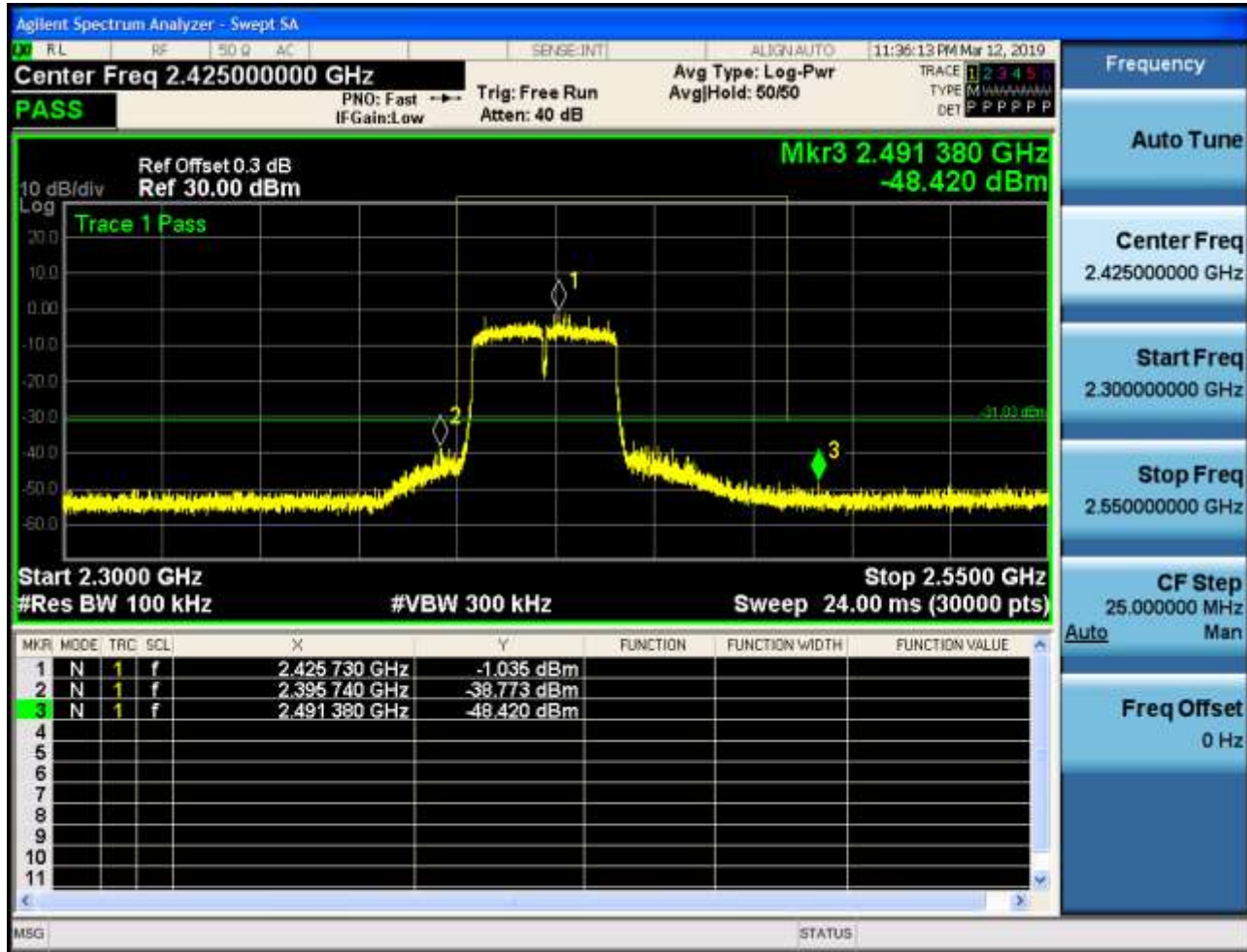


1.10 11N20SISO_Ant1_2462



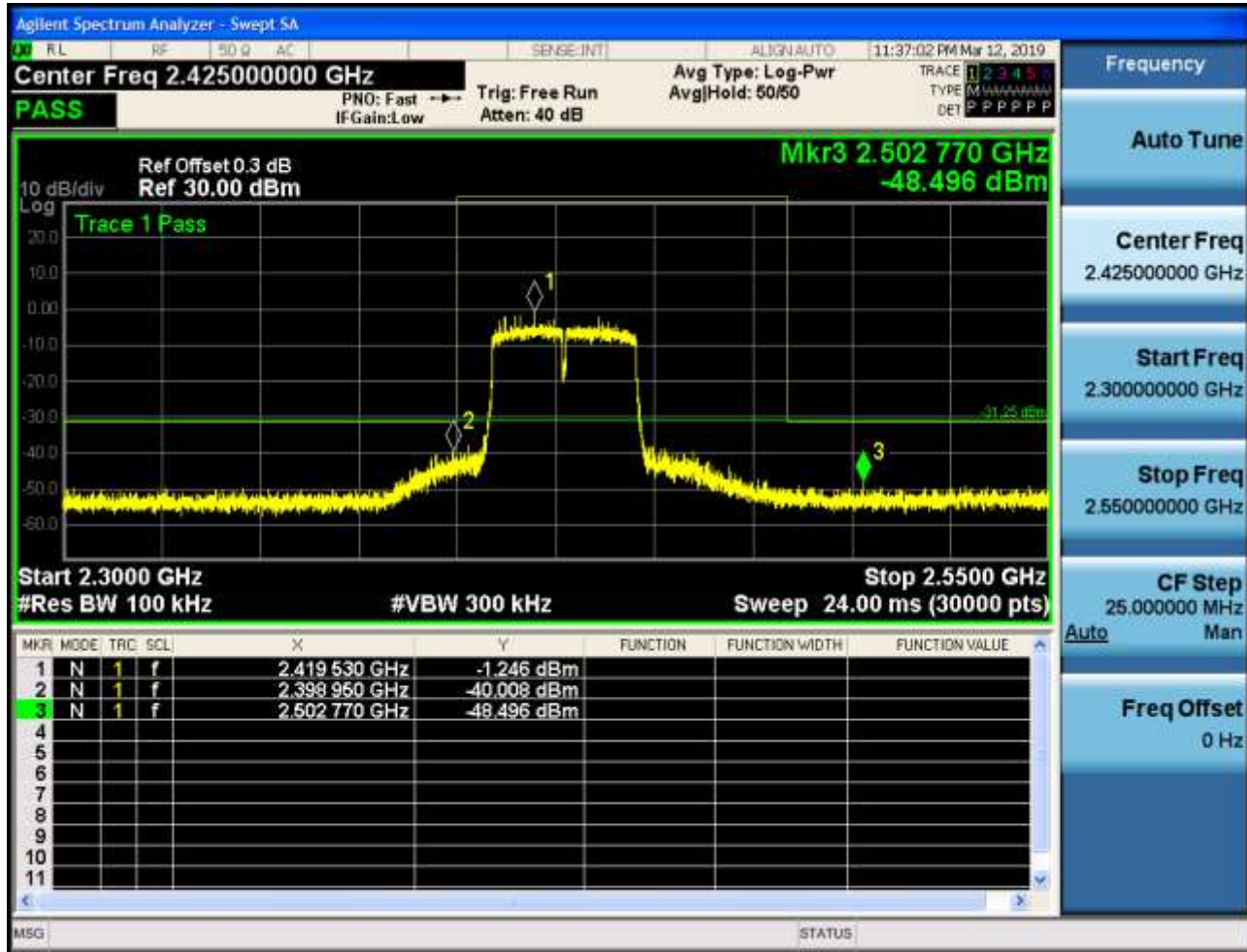


1.11 11N40SISO_Ant1_2422



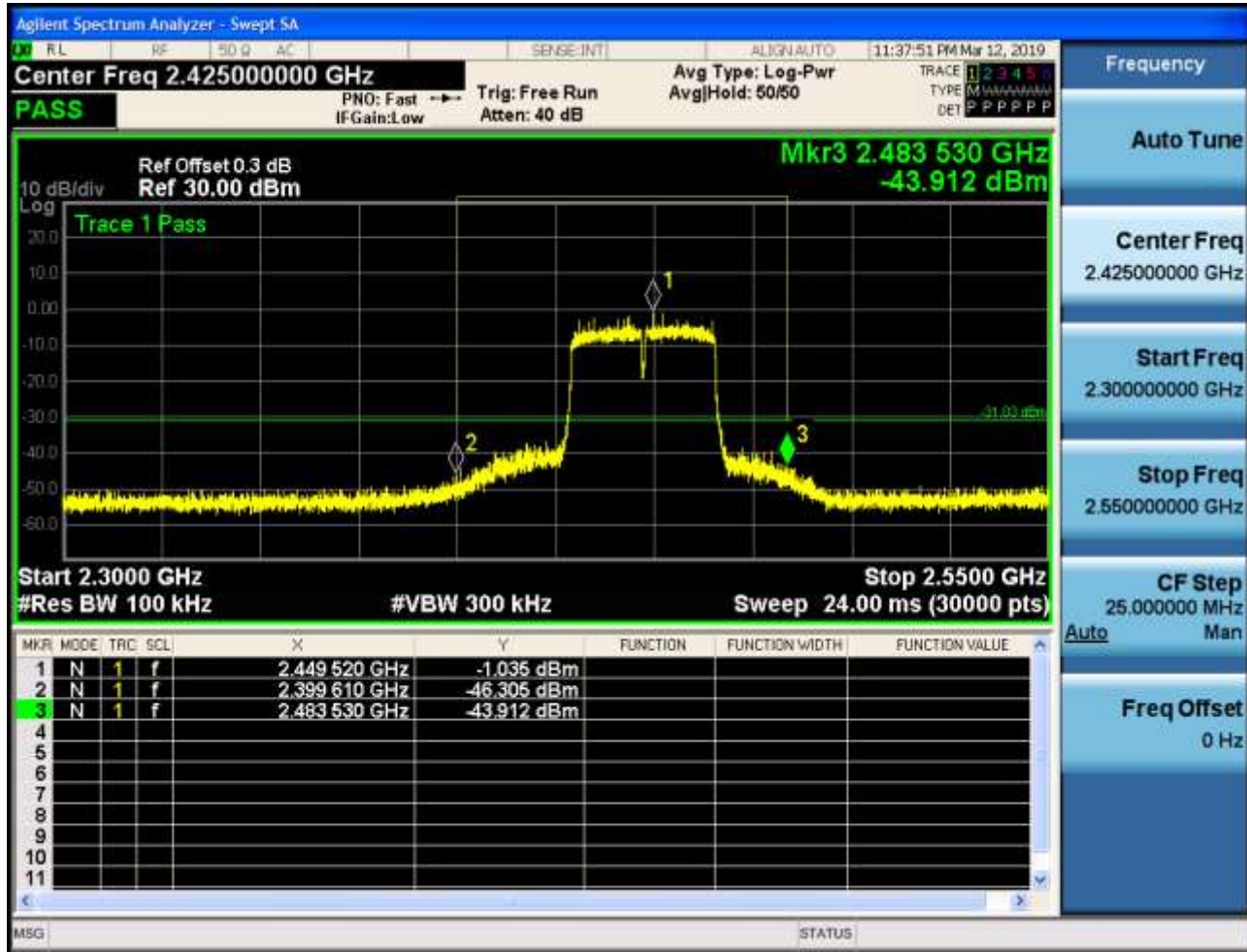


1.12 11N40SISO_Ant1_2427



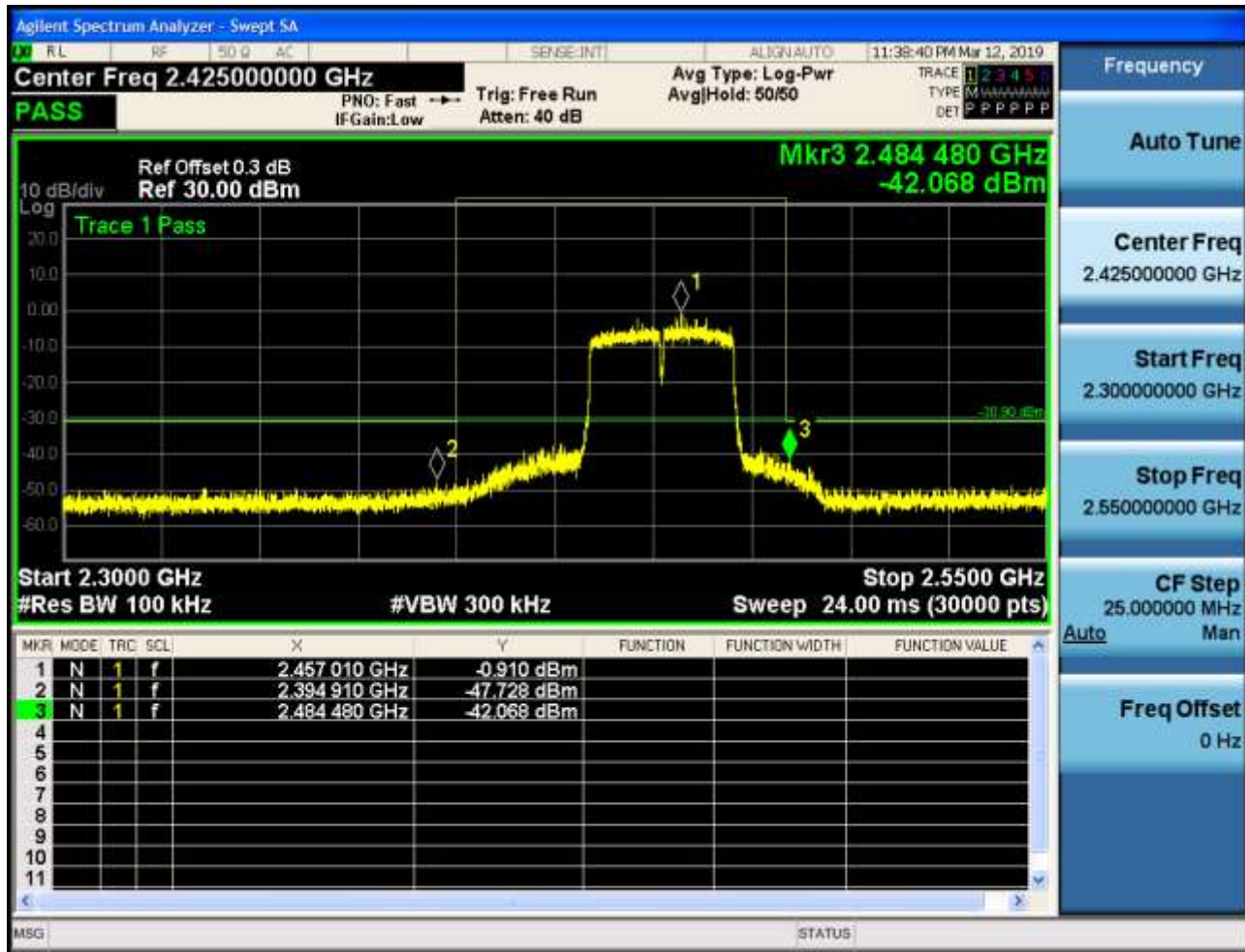


1.13 11N40SISO_Ant1_2447





1.14 11N40SISO_Ant1_2452



Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

Part I - Test Results

Test Mode	Antenna	Channel	RefLevel[dBm/100kHz]	Result[dBm]	Limit[dBm/100kHz]	Verdict
11B	Ant1	2412	9.91	<limit	-20.09	PASS
11B	Ant1	2462	7.61	<limit	-22.39	PASS
11G	Ant1	2412	0.61	<limit	-29.39	PASS
11G	Ant1	2417	1.71	<limit	-28.29	PASS
11G	Ant1	2457	1.8	<limit	-28.2	PASS
11G	Ant1	2462	0.7	<limit	-29.3	PASS
11N20SISO	Ant1	2412	-0.32	<limit	-30.32	PASS
11N20SISO	Ant1	2417	1.56	<limit	-28.44	PASS
11N20SISO	Ant1	2457	0.36	<limit	-29.64	PASS
11N20SISO	Ant1	2462	-0.16	<limit	-30.16	PASS
11N40SISO	Ant1	2422	-0.66	<limit	-30.66	PASS
11N40SISO	Ant1	2427	-0.77	<limit	-30.77	PASS
11N40SISO	Ant1	2447	-1.54	<limit	-31.54	PASS
11N40SISO	Ant1	2452	-1.6	<limit	-31.6	PASS

Part II - Test Graphs

1.1 11B_Ant1_2462

Pref:





P_uw:



