

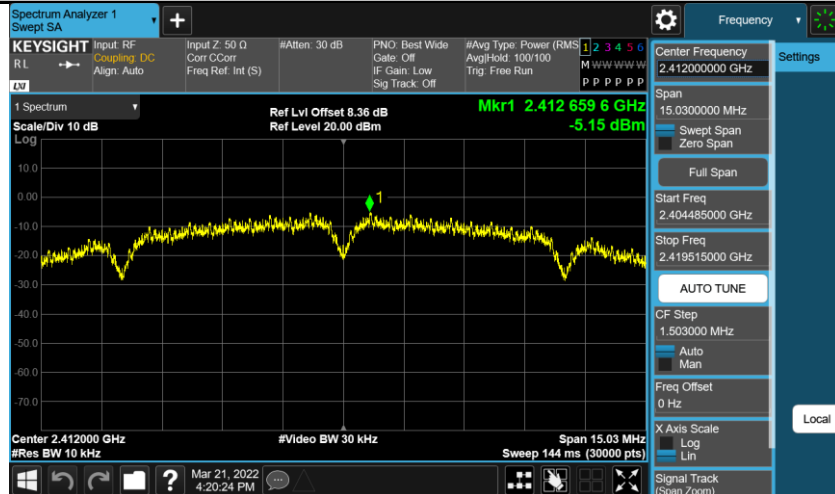
Appendix B: Test Results

APPENDIX B: TEST RESULTS.....	1
APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
APPENDIX B.2: TEST RESULTS OF 6dB BANDWIDTH	7
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH.....	12
APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH.....	17
<i>Conducted Spurious Emission.....</i>	<i>17</i>
<i>Band Edge.....</i>	<i>30</i>
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	33
30MHz - 1GHz (Worst case).....	33
1GHz - 18GHz.....	37
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	61
<i>Wi-Fi 802.11 b mode, 1 Mbps.....</i>	<i>61</i>
<i>Wi-Fi 802.11 g mode, 6 Mbps.....</i>	<i>65</i>
<i>Wi-Fi 802.11 n(HT20) mode, MCS0.....</i>	<i>69</i>
<i>Wi-Fi 802.11 n(HT40) mode, MCS0.....</i>	<i>73</i>
APPENDIX B.7: TEST RESULTS OF CONDUCTED EMISSION.....	77

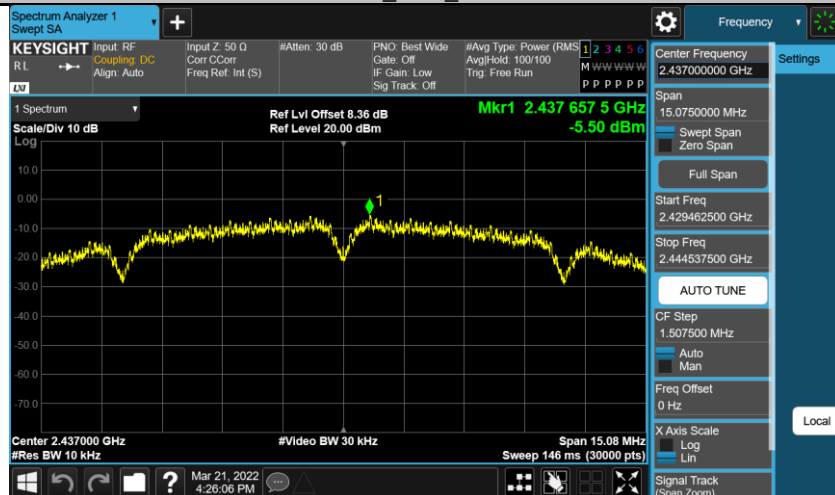
Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.15	≤8.00	PASS
		2437	-5.5	≤8.00	PASS
		2462	-6.05	≤8.00	PASS
11G	Ant1	2412	-7.13	≤8.00	PASS
		2437	-8.13	≤8.00	PASS
		2462	-8.77	≤8.00	PASS
11N20SISO	Ant1	2412	-7.25	≤8.00	PASS
		2437	-7.93	≤8.00	PASS
		2462	-8.10	≤8.00	PASS
11N40SISO	Ant1	2422	-11.94	≤8.00	PASS
		2437	-9.65	≤8.00	PASS
		2452	-12.91	≤8.00	PASS

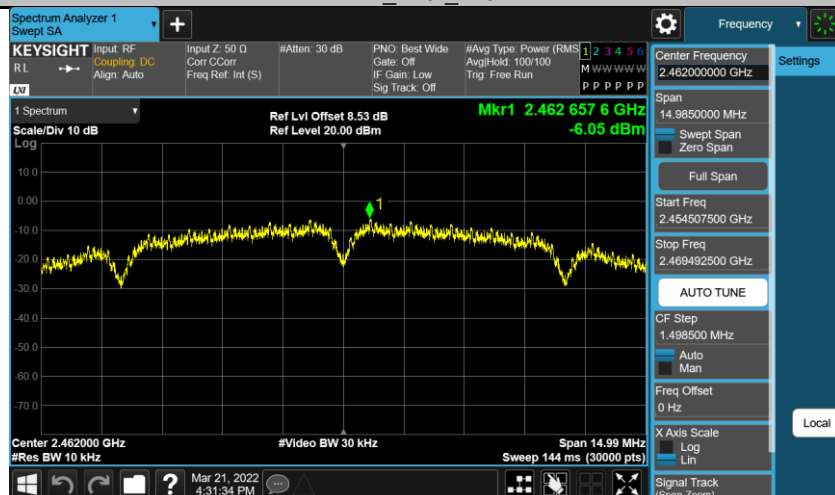
11B_Ant1_2412



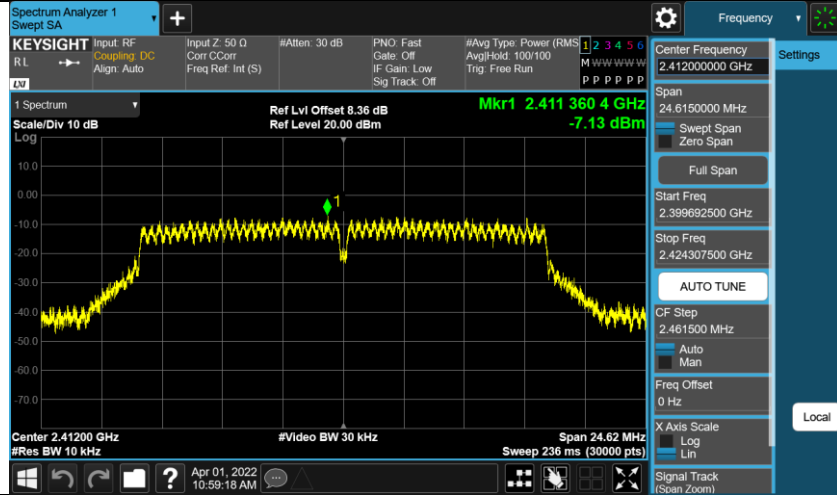
11B_Ant1_2437



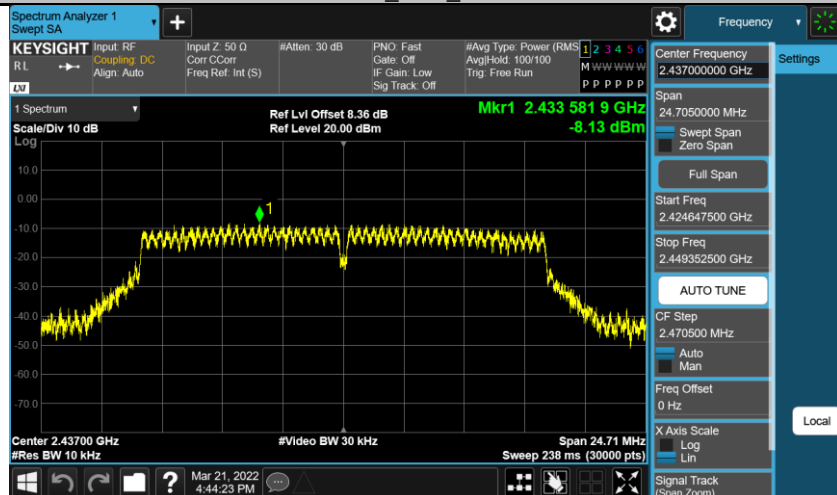
11B_Ant1_2462



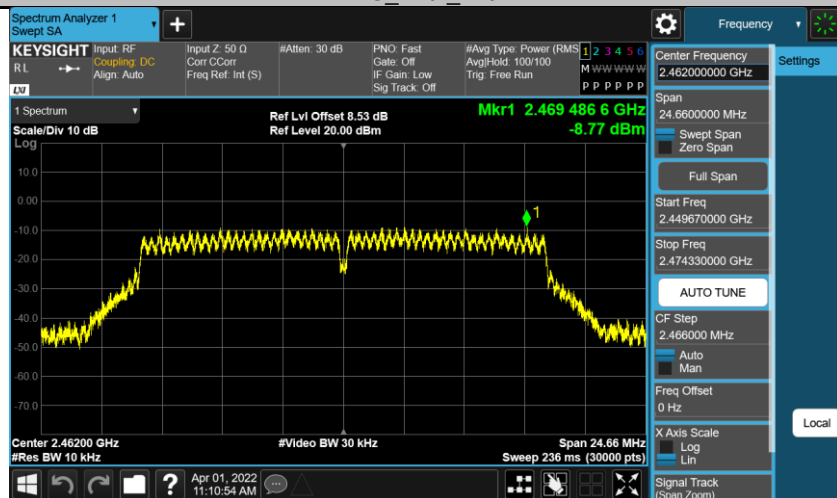
11G_Ant1_2412



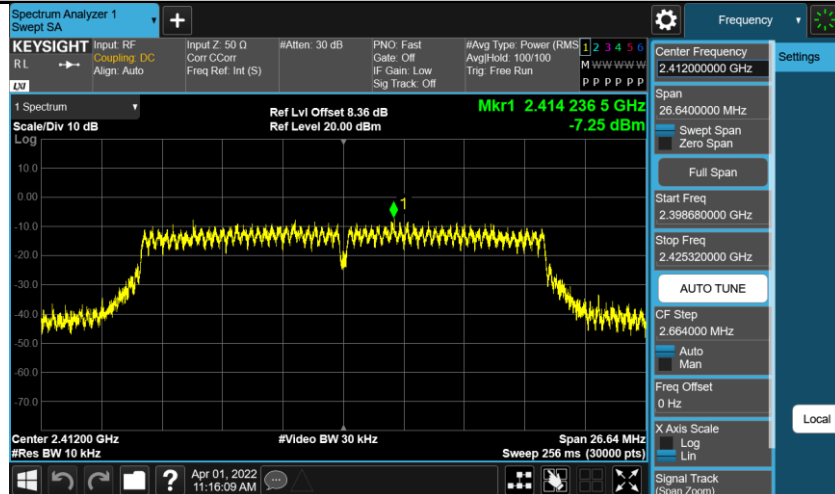
11G_Ant1_2437



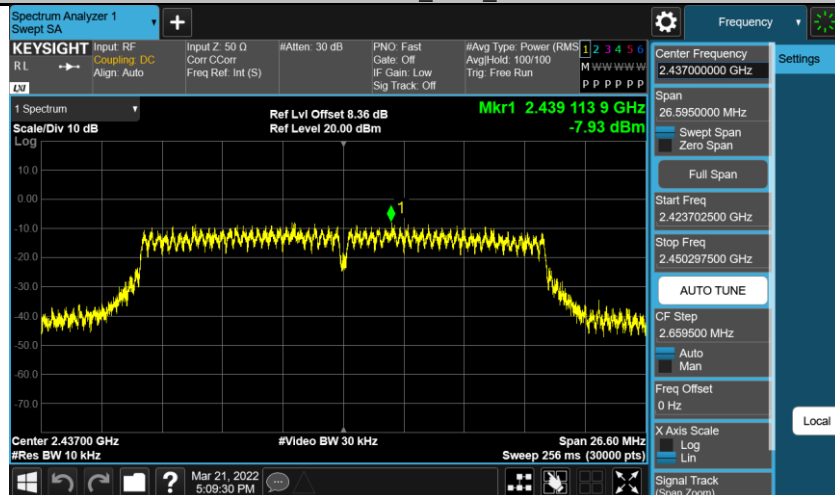
11G_Ant1_2462



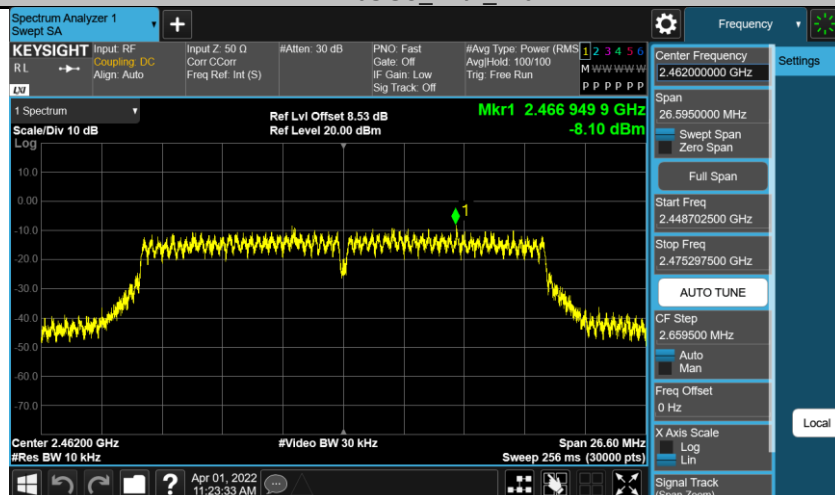
11N20SISO_Ant1_2412



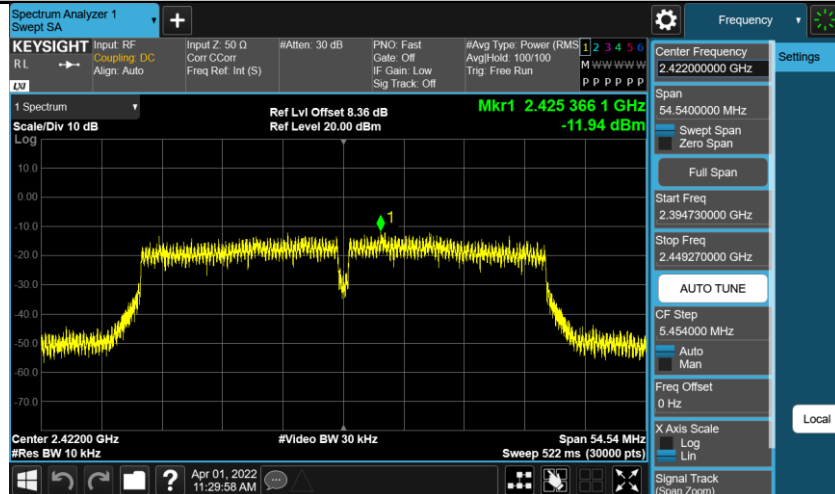
11N20SISO_Ant1_2437



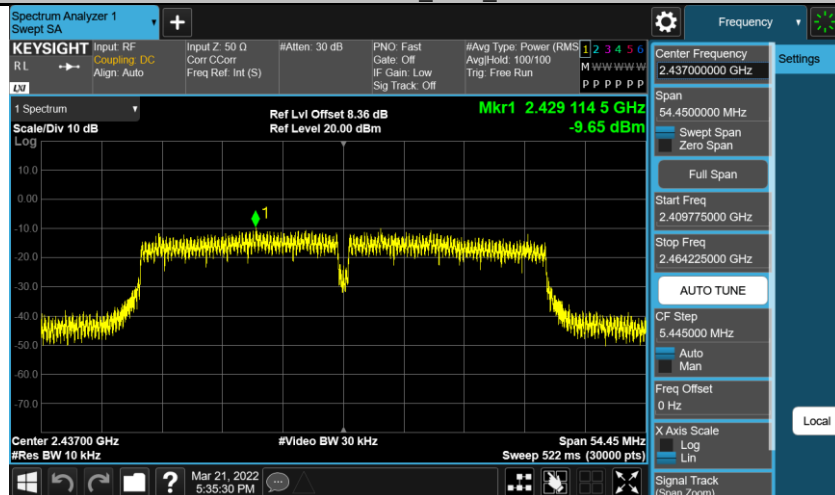
11N20SISO_Ant1_2462



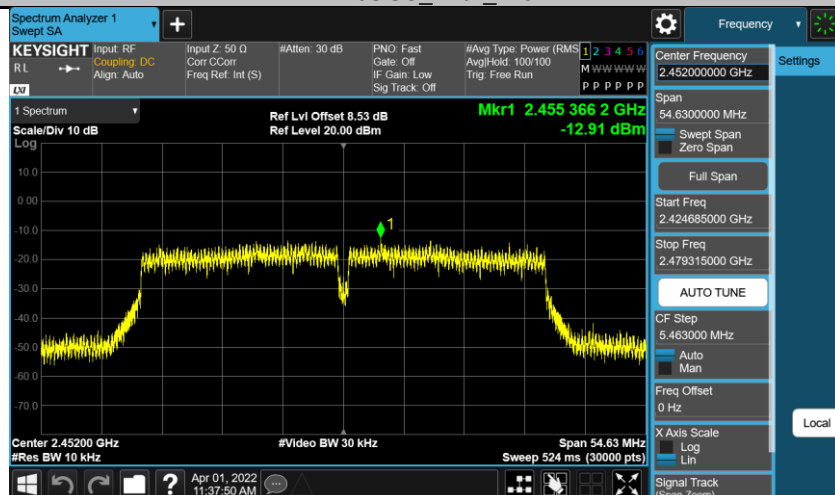
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.020	2406.990	2417.010	0.5	PASS
		2437	10.050	2431.960	2442.010	0.5	PASS
		2462	9.990	2457.020	2467.010	0.5	PASS
11G	Ant1	2412	16.410	2403.780	2420.190	0.5	PASS
		2437	16.470	2428.720	2445.190	0.5	PASS
		2462	16.440	2453.780	2470.220	0.5	PASS
11N20SISO	Ant1	2412	17.760	2403.090	2420.850	0.5	PASS
		2437	17.730	2428.120	2445.850	0.5	PASS
		2462	17.730	2453.120	2470.850	0.5	PASS
11N40SISO	Ant1	2422	36.360	2403.820	2440.180	0.5	PASS
		2437	36.300	2418.820	2455.120	0.5	PASS
		2452	36.420	2433.760	2470.180	0.5	PASS

11B_Ant1_2412



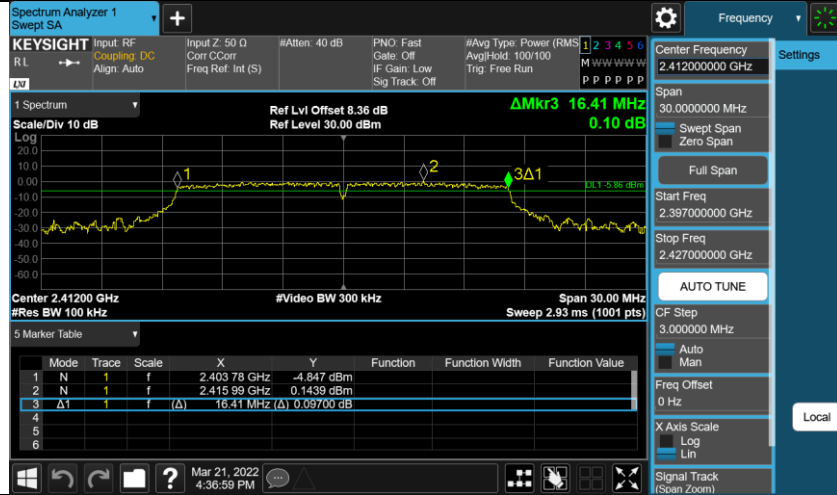
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



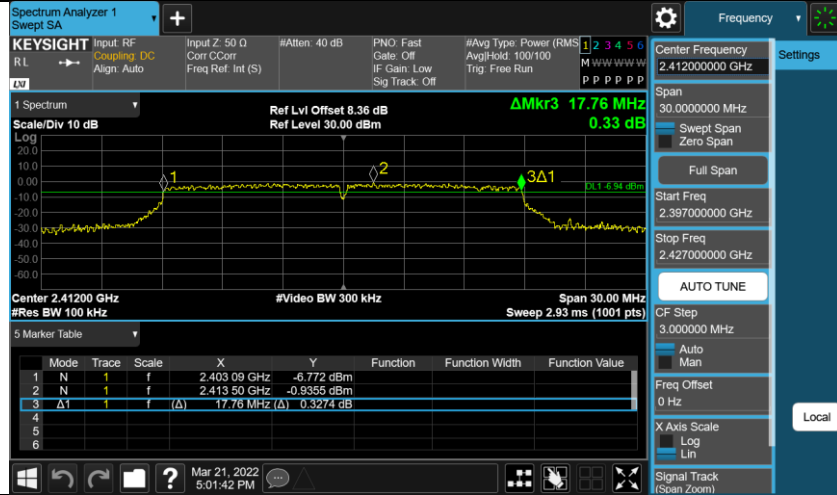
11G_Ant1_2437



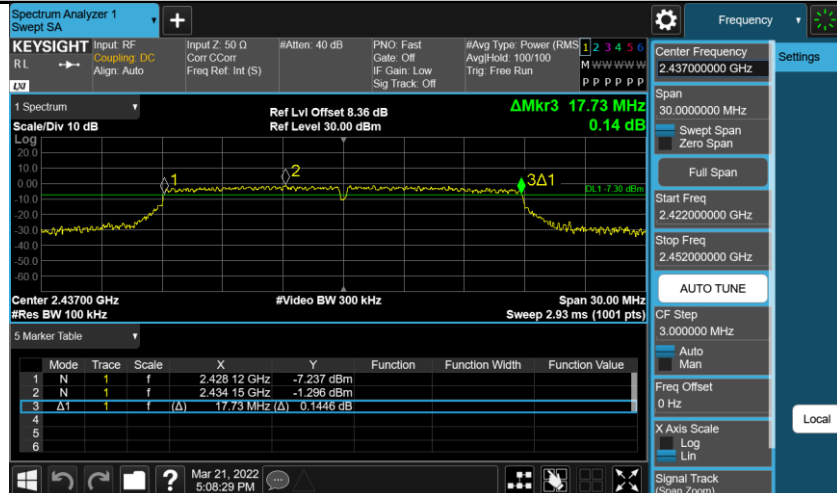
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



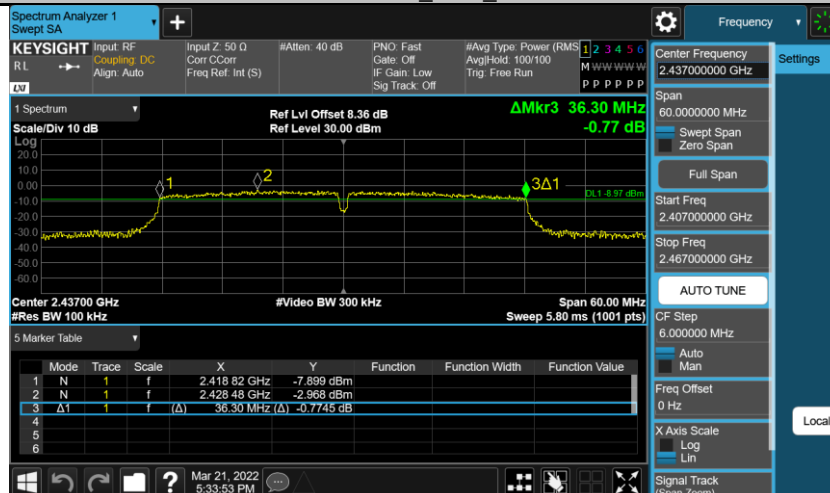
11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



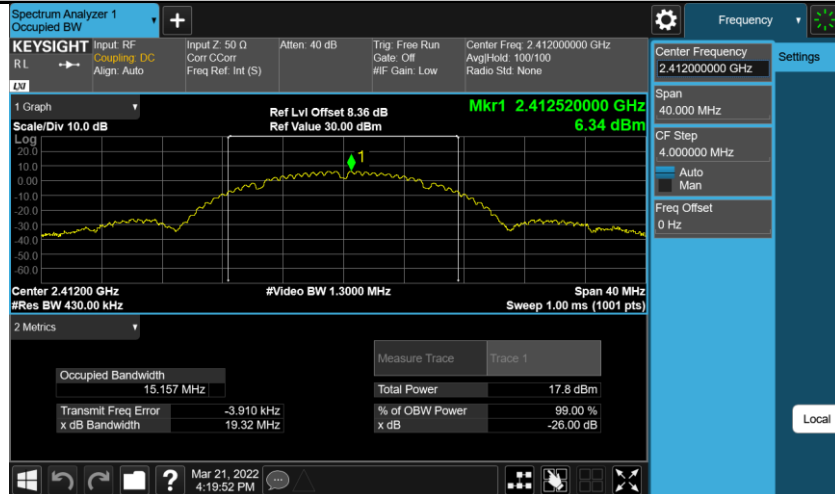
11N40SISO_Ant1_2452



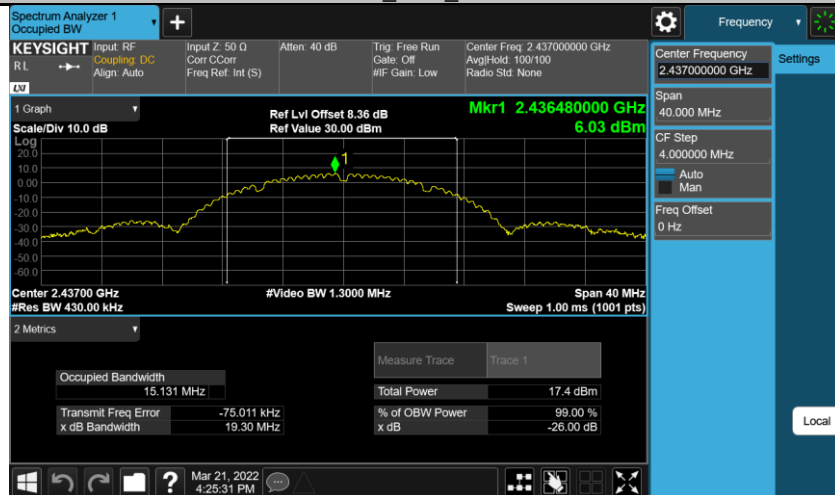
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.157	2404.418	2419.575	---	PASS
		2437	15.131	2429.359	2444.490	---	PASS
		2462	15.258	2454.419	2469.677	---	PASS
11G	Ant1	2412	17.322	2403.345	2420.667	---	PASS
		2437	17.263	2428.319	2445.582	---	PASS
		2462	17.506	2453.328	2470.834	---	PASS
11N20SISO	Ant1	2412	18.246	2402.882	2421.128	---	PASS
		2437	18.207	2427.875	2446.082	---	PASS
		2462	18.295	2452.914	2471.209	---	PASS
11N40SISO	Ant1	2422	36.404	2403.744	2440.148	---	PASS
		2437	36.360	2418.763	2455.123	---	PASS
		2452	36.732	2433.601	2470.333	---	PASS

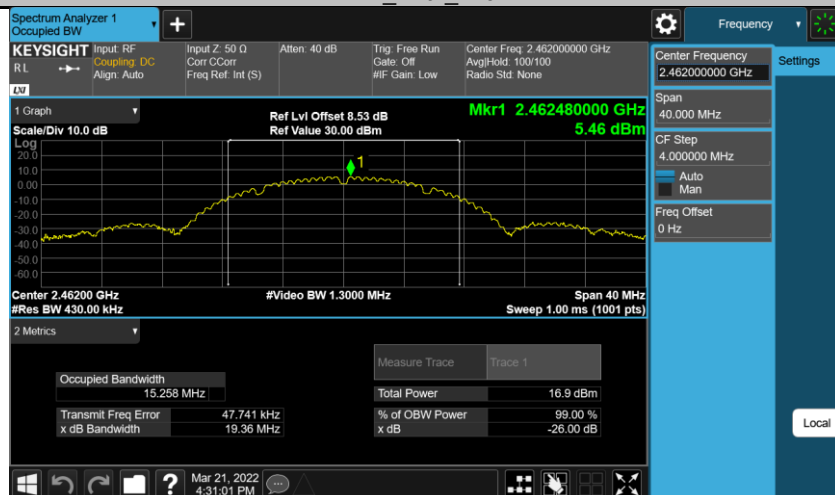
11B_Ant1_2412



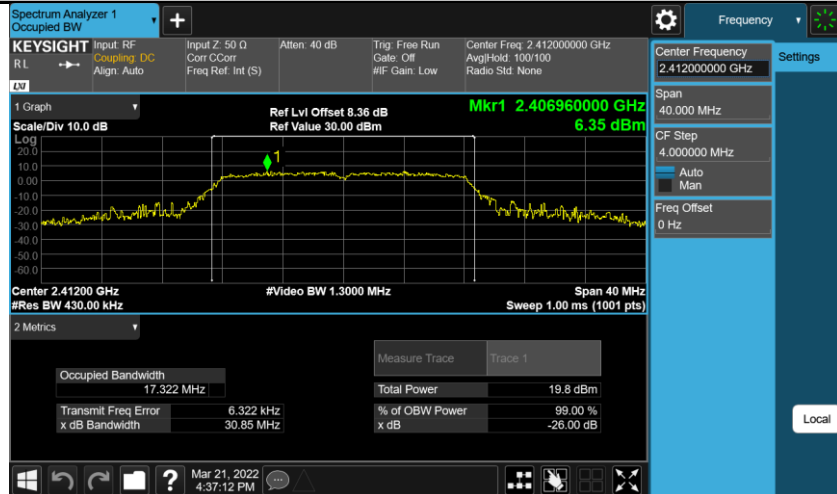
11B_Ant1_2437



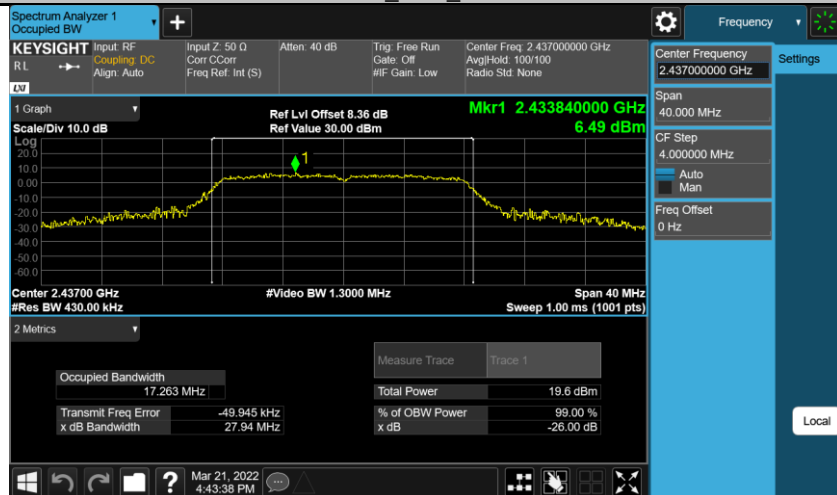
11B_Ant1_2462



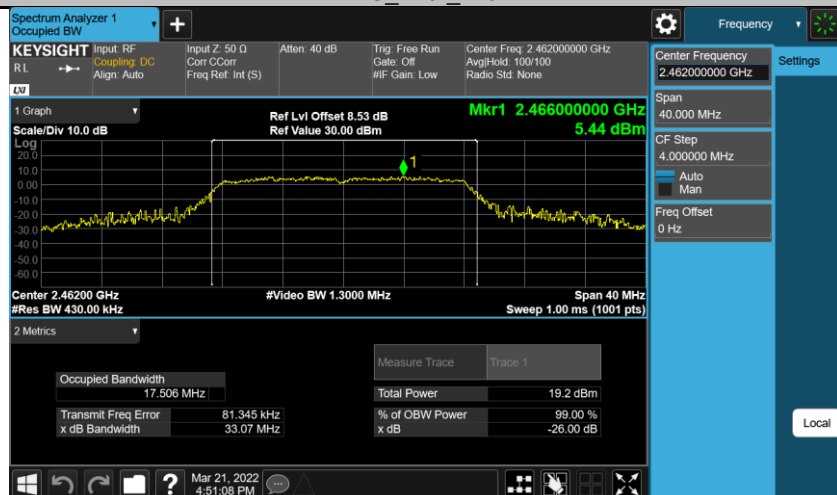
11G_Ant1_2412



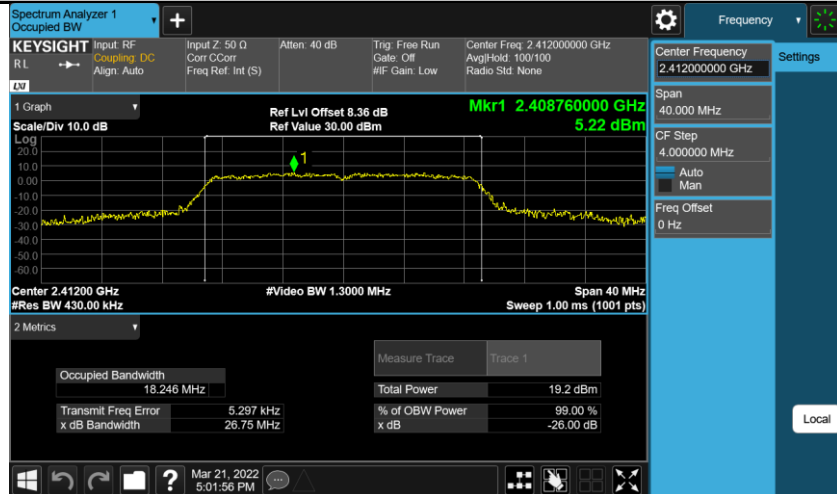
11G_Ant1_2437



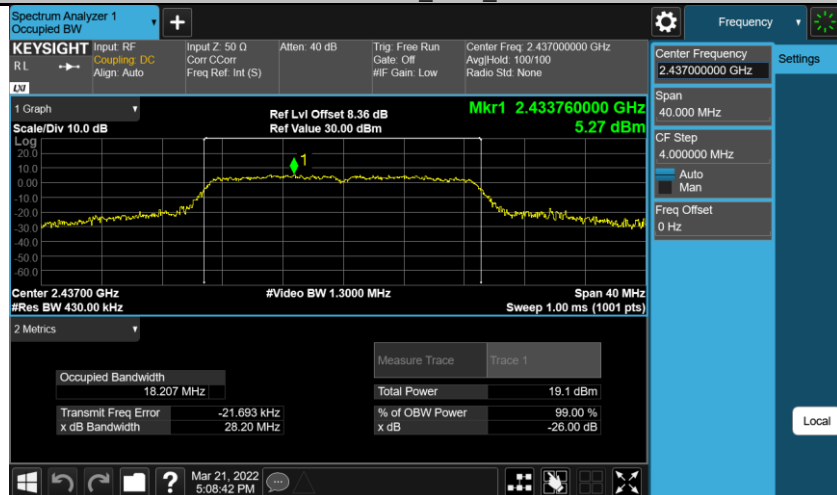
11G_Ant1_2462



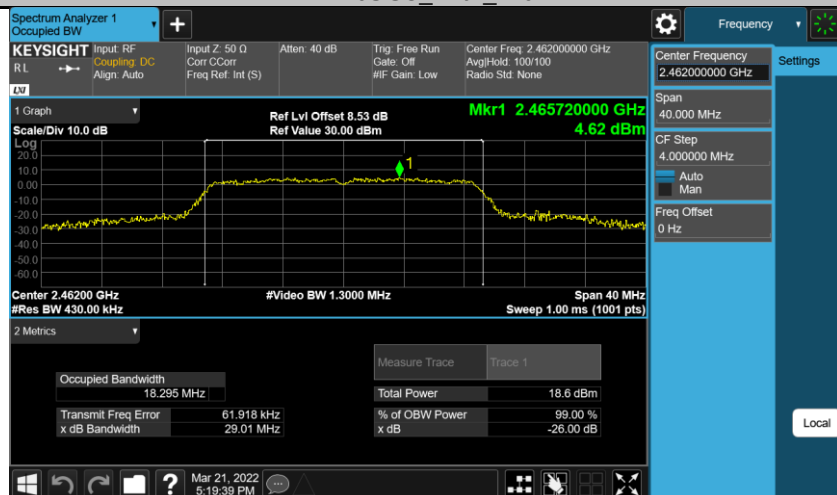
11N20SISO_Ant1_2412



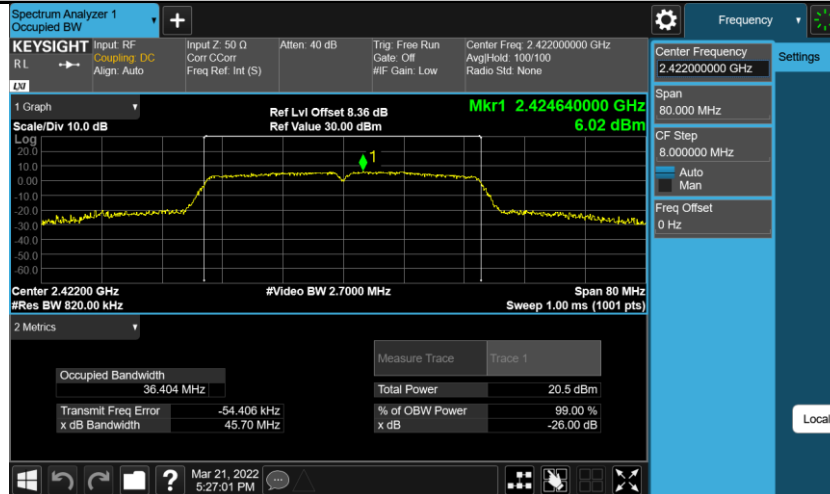
11N20SISO_Ant1_2437



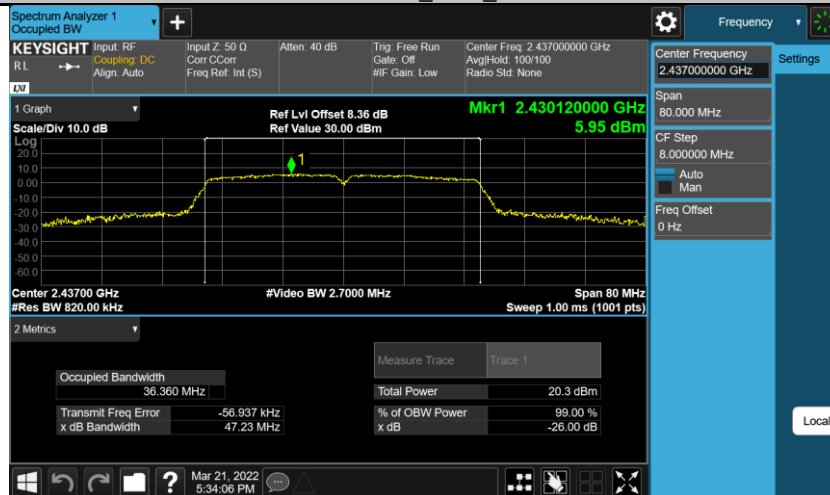
11N20SISO_Ant1_2462



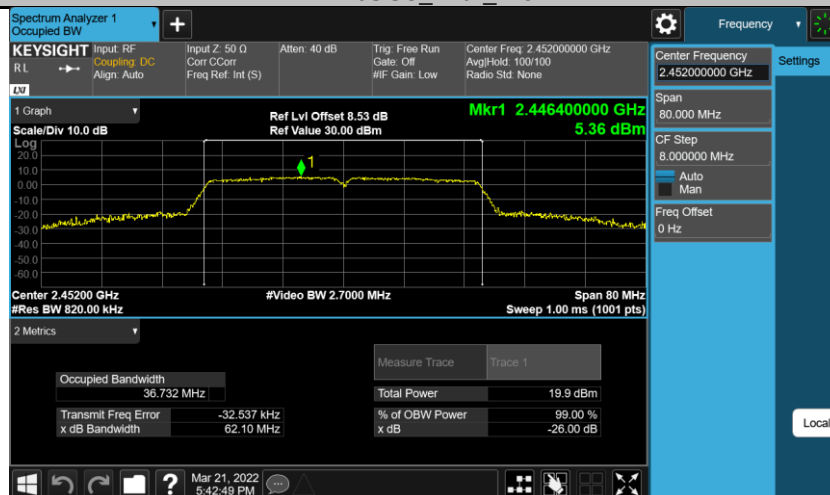
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

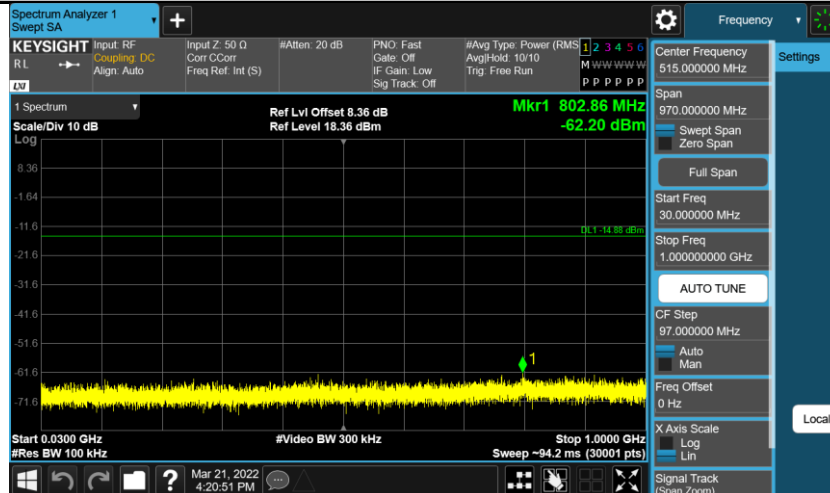
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.12	5.12	---	PASS
			30~1000	5.12	-62.2	≤-14.88	PASS
			1000~26500	5.12	-46.18	≤-14.88	PASS
		2437	Reference	3.95	3.95	---	PASS
			30~1000	3.95	-61.96	≤-16.05	PASS
			1000~26500	3.95	-48.85	≤-16.05	PASS
		2462	Reference	4.12	4.12	---	PASS
			30~1000	4.12	-62.5	≤-15.88	PASS
			1000~26500	4.12	-50.29	≤-15.88	PASS
11G	Ant1	2412	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-62.55	≤-20.61	PASS
			1000~26500	-0.61	-53.04	≤-20.61	PASS
		2437	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-62.72	≤-20.91	PASS
			1000~26500	-0.91	-51.5	≤-20.91	PASS
		2462	Reference	0.55	0.55	---	PASS
			30~1000	0.55	-62.31	≤-19.45	PASS
			1000~26500	0.55	-52.57	≤-19.45	PASS
11N20SISO	Ant1	2412	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-62.75	≤-21.33	PASS
			1000~26500	-1.33	-52.39	≤-21.33	PASS
		2437	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-63	≤-21.85	PASS
			1000~26500	-1.85	-52.95	≤-21.85	PASS
		2462	Reference	-0.96	-0.96	---	PASS
			30~1000	-0.96	-62.33	≤-20.96	PASS
			1000~26500	-0.96	-53.28	≤-20.96	PASS
11N40SISO	Ant1	2422	Reference	-5.61	-5.61	---	PASS
			30~1000	-5.61	-61.51	≤-25.61	PASS
			1000~26500	-5.61	-52.66	≤-25.61	PASS
		2437	Reference	-3.74	-3.74	---	PASS
			30~1000	-3.74	-62.55	≤-23.74	PASS
			1000~26500	-3.74	-53.04	≤-23.74	PASS
		2452	Reference	-7.06	-7.06	---	PASS
			30~1000	-7.06	-62.55	≤-27.06	PASS
			1000~26500	-7.06	-53.65	≤-27.06	PASS

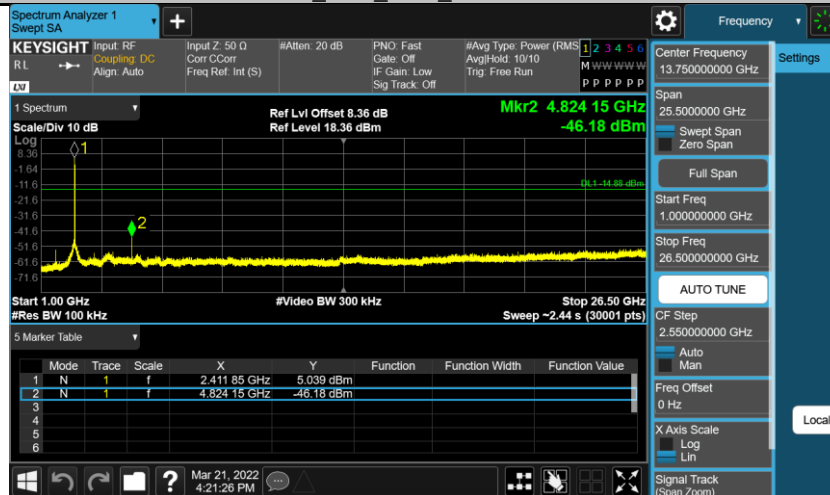
11B_Ant1_2412_0-Reference



11B_Ant1_2412_30-1000



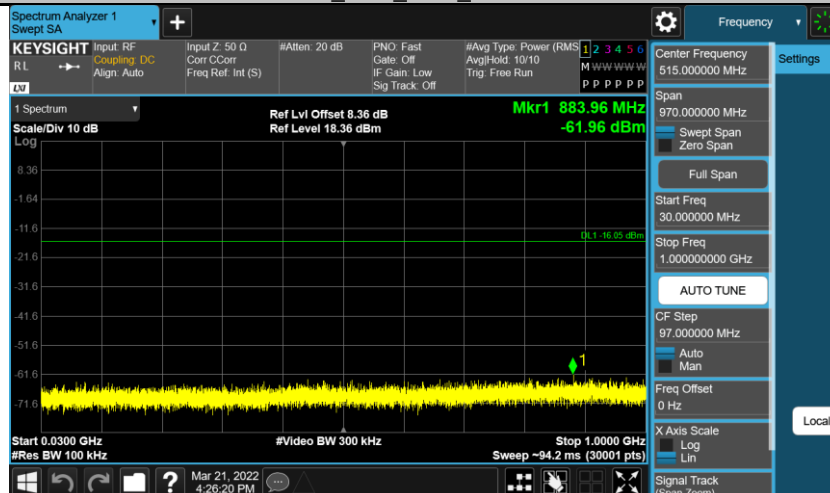
11B_Ant1_2412_1000-26500



11B_Ant1_2437_0-Reference



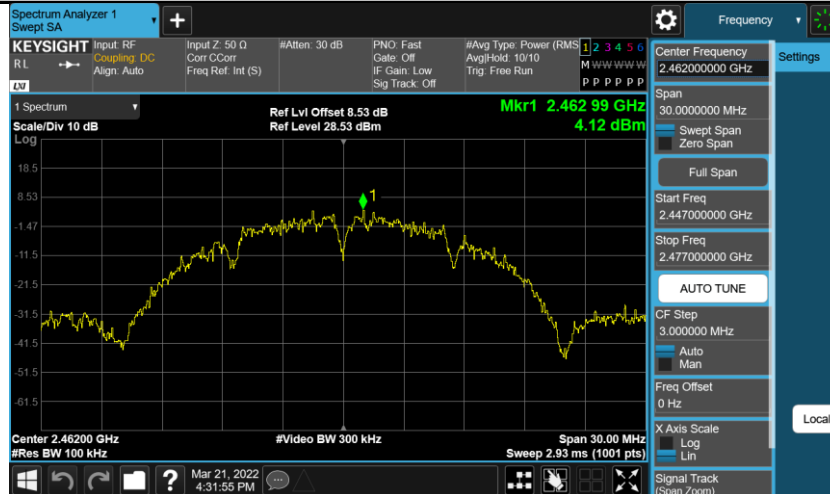
11B_Ant1_2437_30-1000



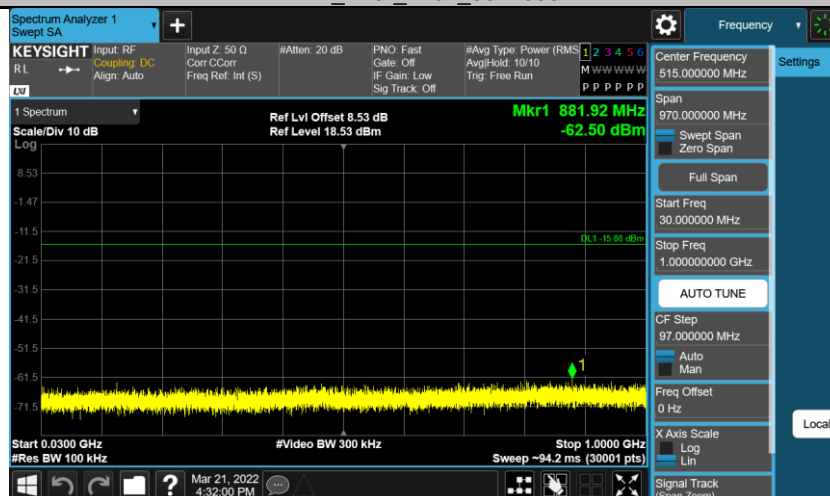
11B_Ant1_2437_1000-26500



11B_Ant1_2462_0-Reference



11B_Ant1_2462_30-1000



11B_Ant1_2462_1000-26500

