

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.....	6
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH.....	10
APPENDIX B.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH.....	14
<i>Conducted Spurious Emission.....</i>	<i>14</i>
<i>Band Edge.....</i>	<i>24</i>
APPENDIX B.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS.....	27
30MHz - 1GHz (Worst case).....	27
1GHz - 18GHz.....	31
APPENDIX B.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....	51
<i>Wi-Fi 802.11 b mode, 1 Mbps.....</i>	<i>51</i>
<i>Wi-Fi 802.11 g mode, 6 Mbps.....</i>	<i>55</i>
<i>Wi-Fi 802.11 n(HT20) mode, MCS0.....</i>	<i>59</i>
APPENDIX B.7: TEST RESULTS OF CONDUCTED EMISSION.....	63

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

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-4.21	≤8.00	PASS
		2437	2.41	≤8.00	PASS
		2462	-2.05	≤8.00	PASS
11G	Ant1	2412	-10.31	≤8.00	PASS
		2437	0.91	≤8.00	PASS
		2462	-7.27	≤8.00	PASS
11N20SISO	Ant1	2412	-10.54	≤8.00	PASS
		2437	0.32	≤8.00	PASS
		2462	-7.19	≤8.00	PASS

11B_Ant1_2412



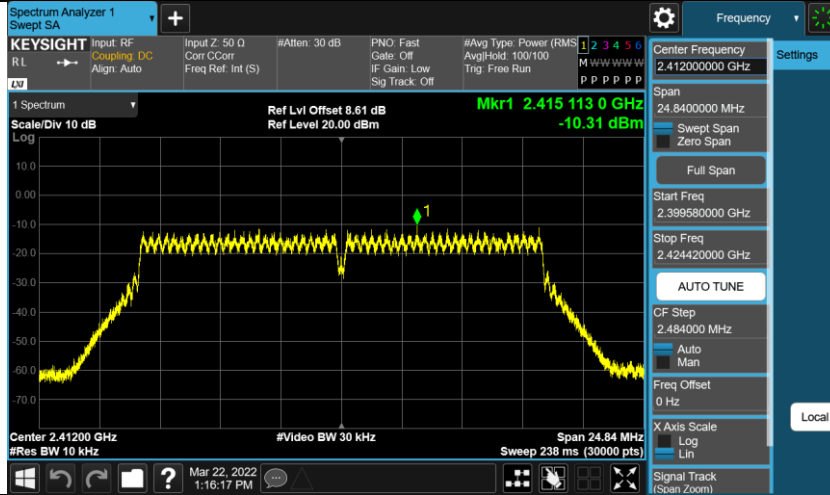
11B_Ant1_2437



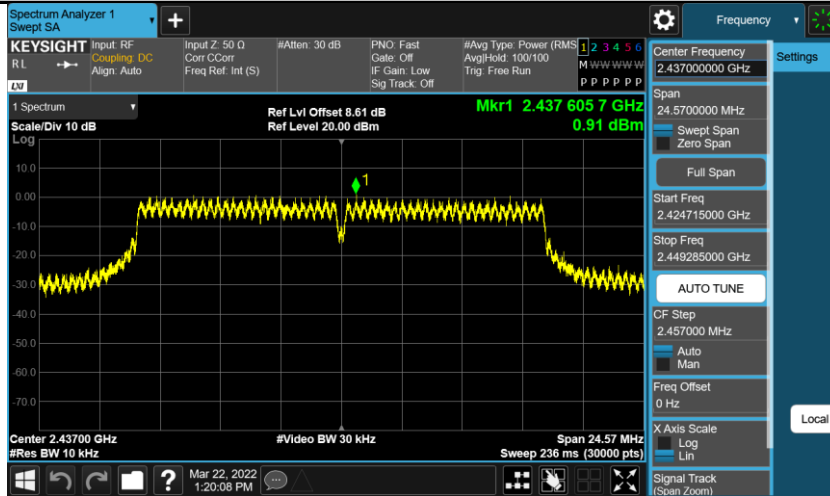
11B_Ant1_2462



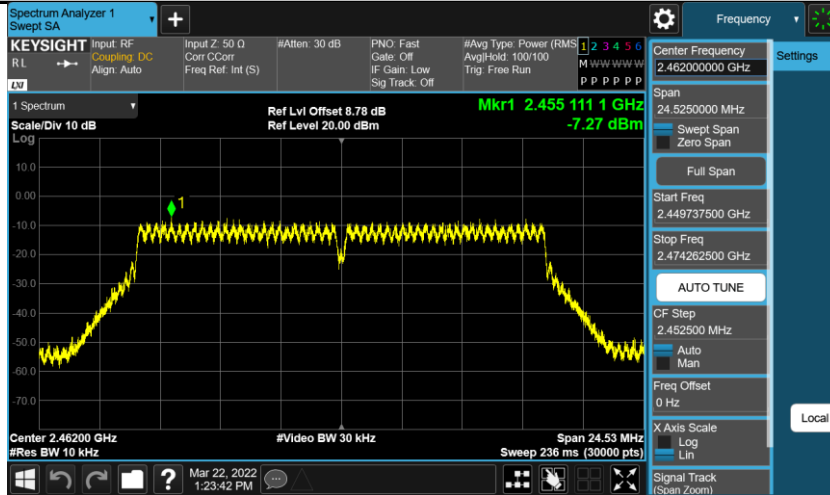
11G_Ant1_2412



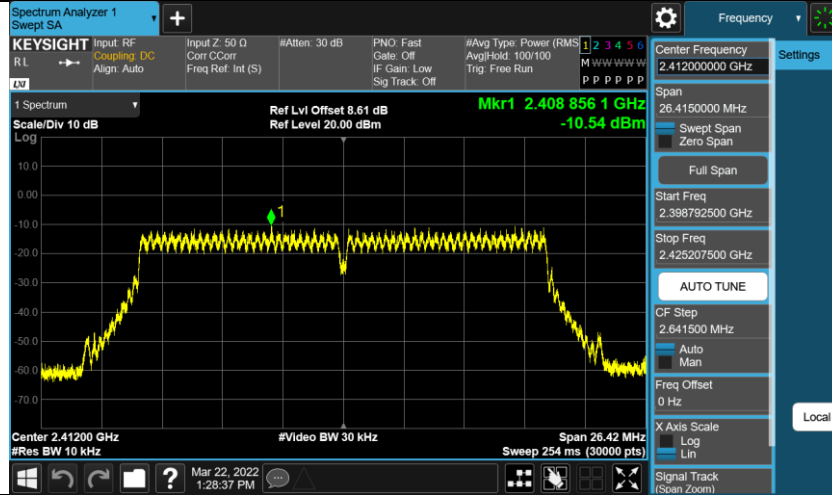
11G_Ant1_2437



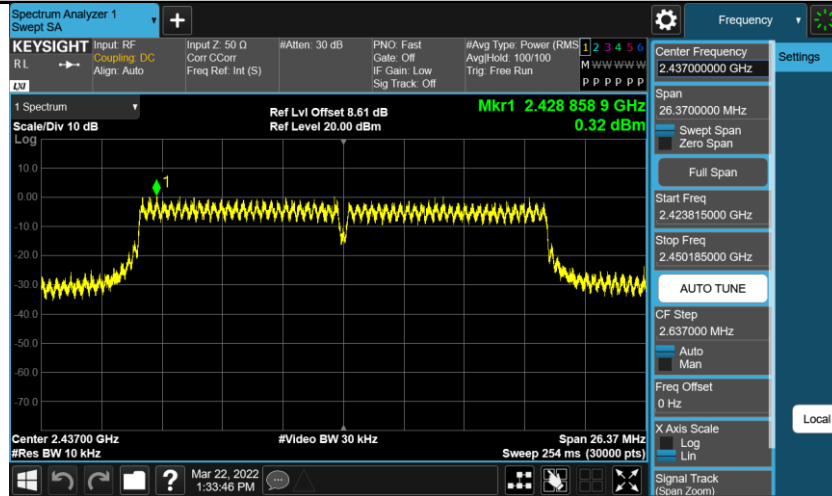
11G_Ant1_2462



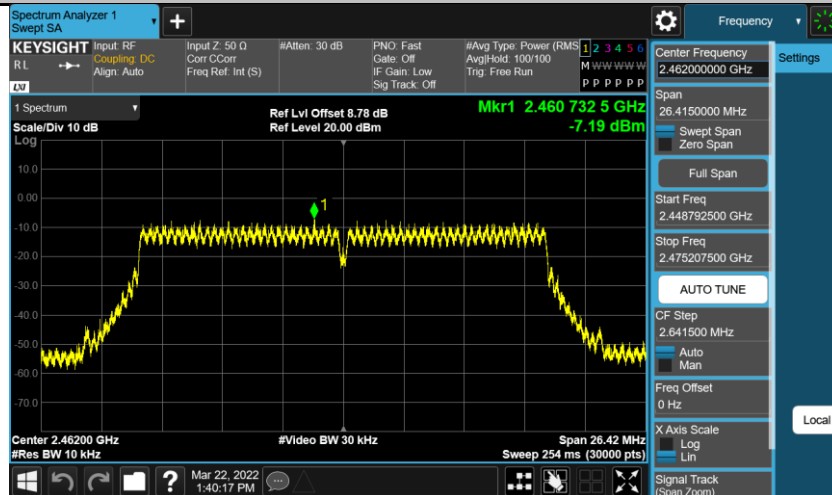
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



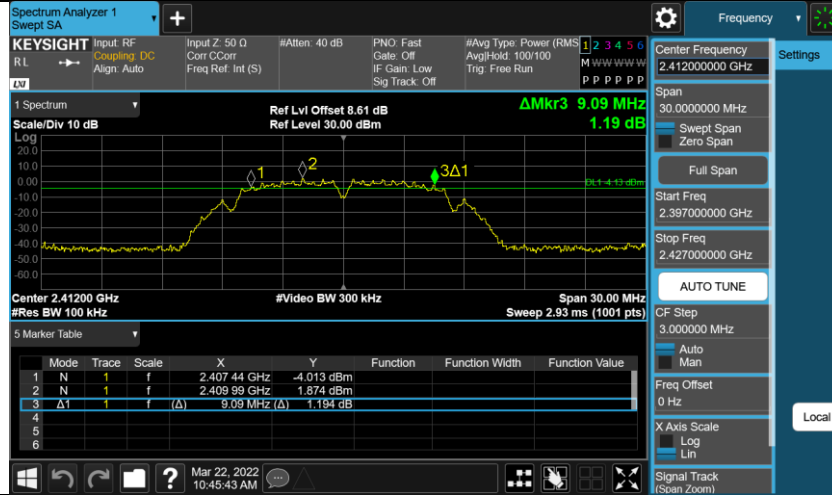
11N20SISO_Ant1_2462



Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.090	2407.440	2416.530	0.5	PASS
		2437	9.120	2432.410	2441.530	0.5	PASS
		2462	9.090	2457.440	2466.530	0.5	PASS
11G	Ant1	2412	16.560	2403.690	2420.250	0.5	PASS
		2437	16.380	2428.780	2445.160	0.5	PASS
		2462	16.350	2453.810	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.610	2403.180	2420.790	0.5	PASS
		2437	17.580	2428.180	2445.760	0.5	PASS
		2462	17.610	2453.180	2470.790	0.5	PASS

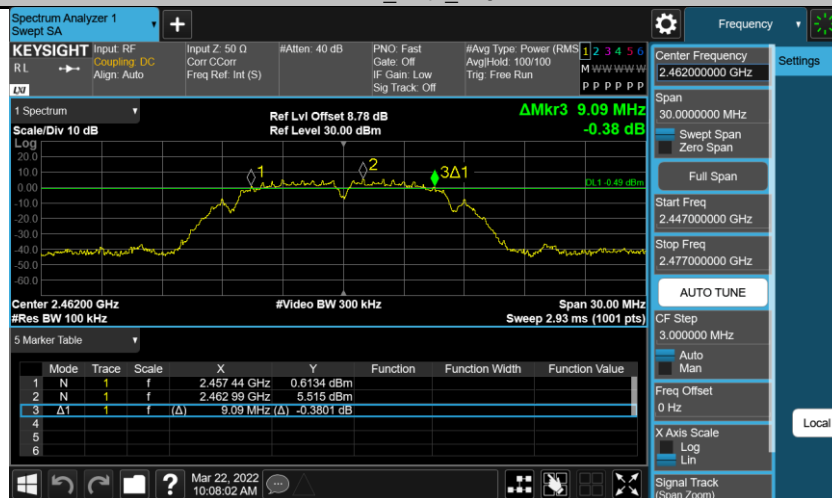
11B_Ant1_2412



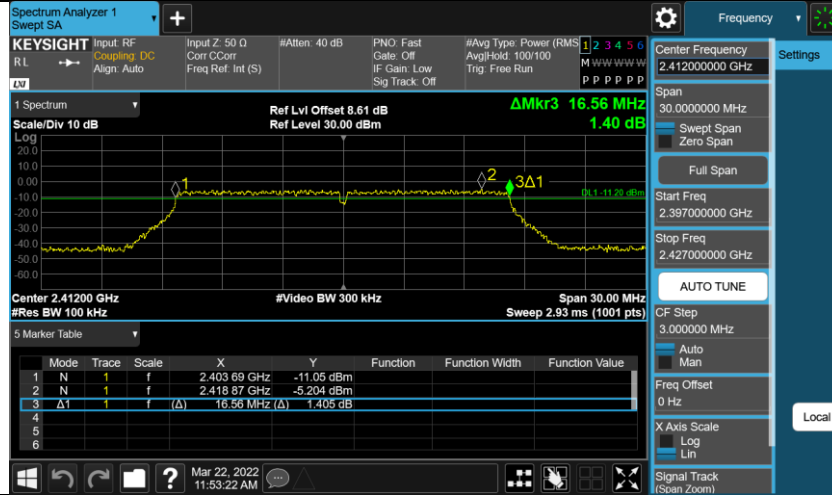
11B_Ant1_2437



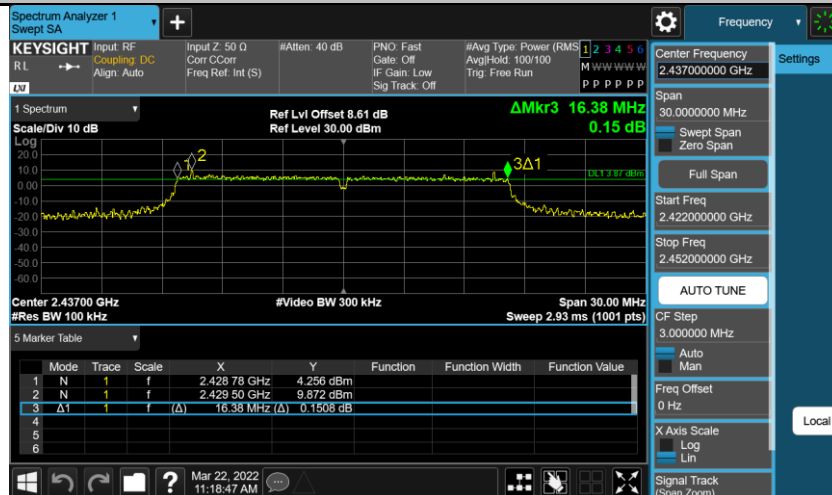
11B_Ant1_2462



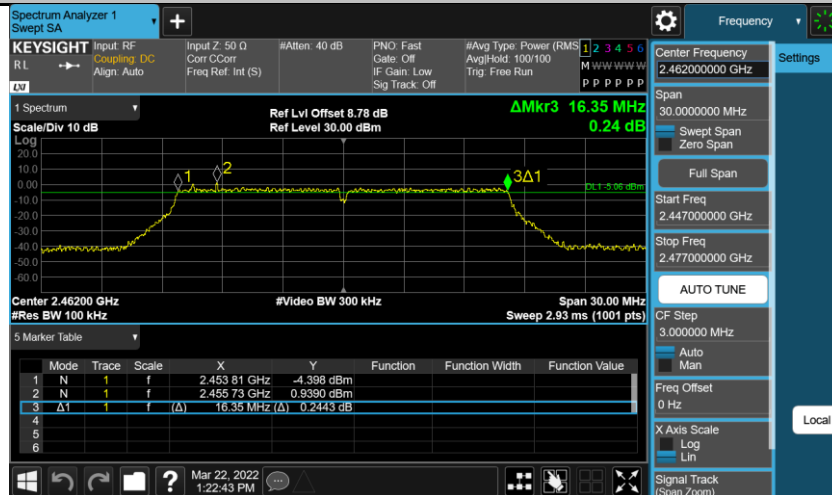
11G_Ant1_2412



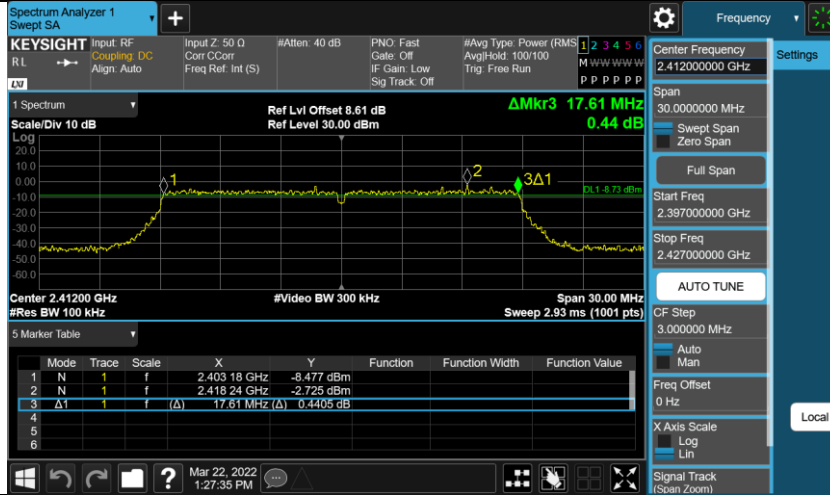
11G_Ant1_2437



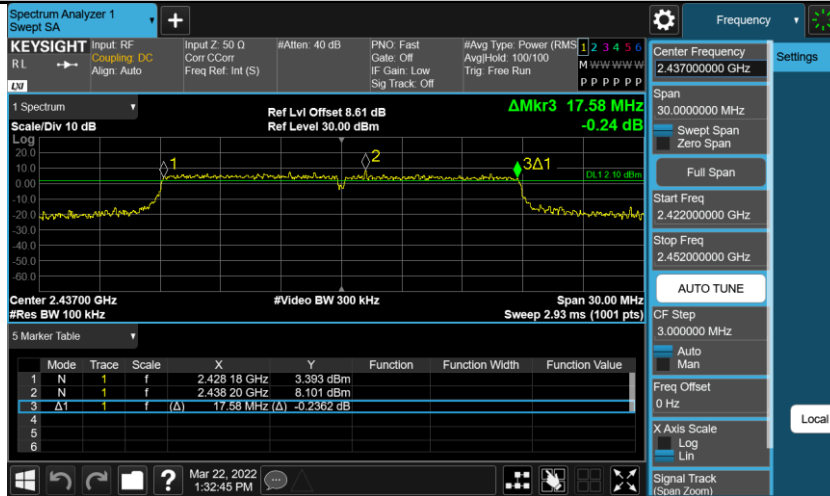
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



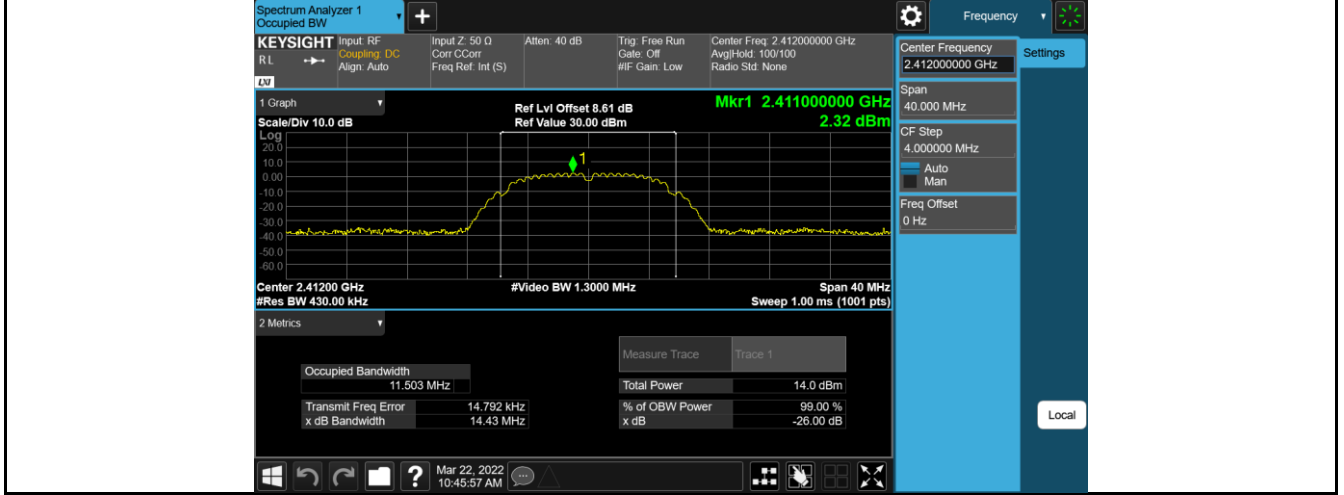
11N20SISO_Ant1_2462



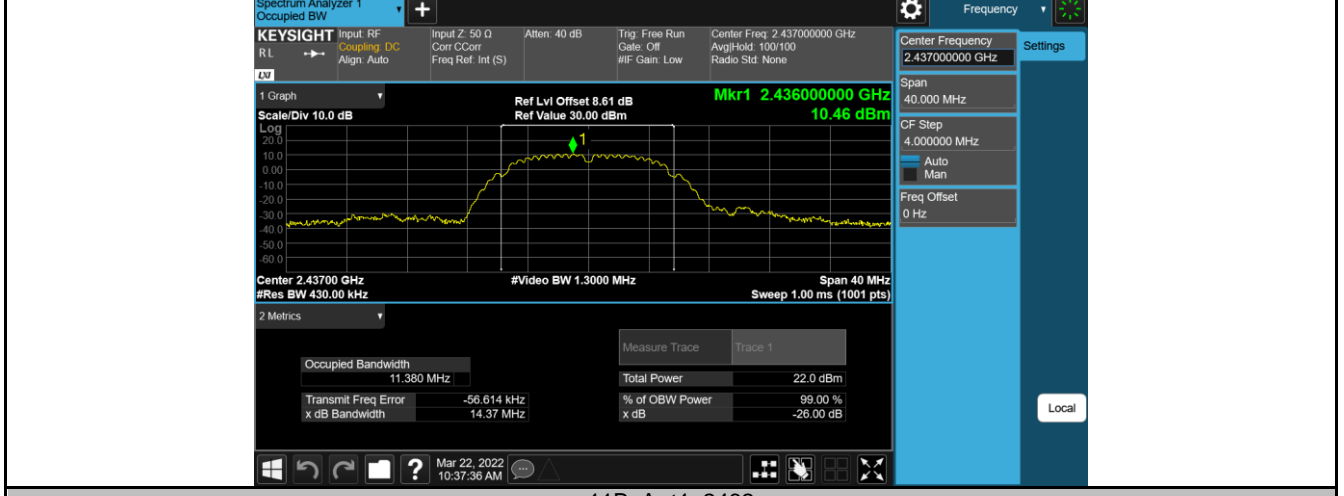
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	11.503	2406.263	2417.766	---	PASS
		2437	11.380	2431.253	2442.633	---	PASS
		2462	11.582	2456.198	2467.780	---	PASS
11G	Ant1	2412	16.823	2403.587	2420.410	---	PASS
		2437	17.293	2428.301	2445.594	---	PASS
		2462	16.863	2453.567	2470.430	---	PASS
11N20SISO	Ant1	2412	17.798	2403.113	2420.911	---	PASS
		2437	18.142	2427.911	2446.053	---	PASS
		2462	17.835	2453.084	2470.919	---	PASS

11B_Ant1_2412



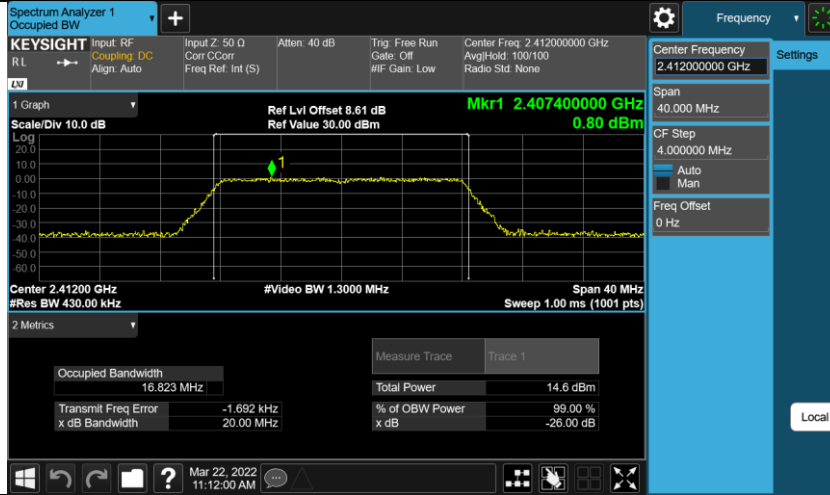
11B_Ant1_2437



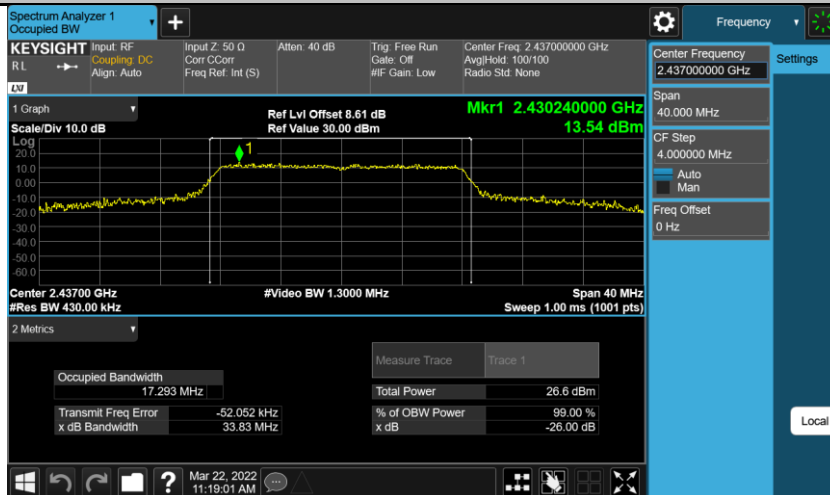
11B_Ant1_2462



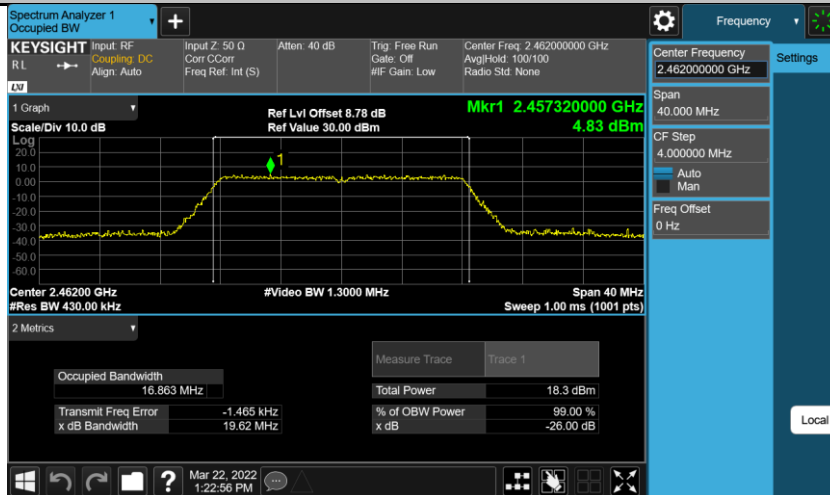
11G_Ant1_2412



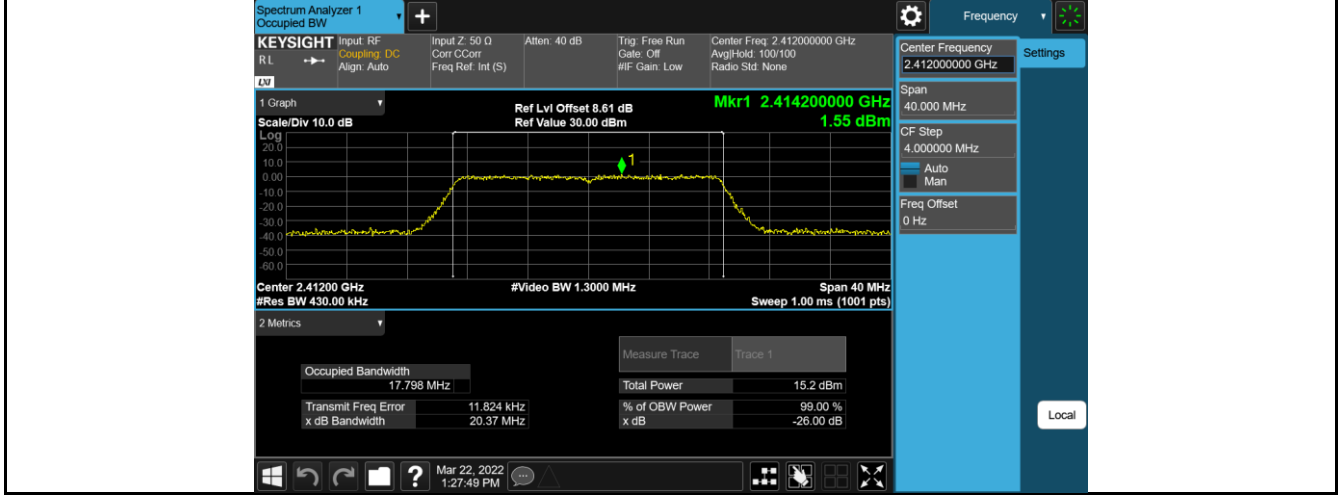
11G_Ant1_2437



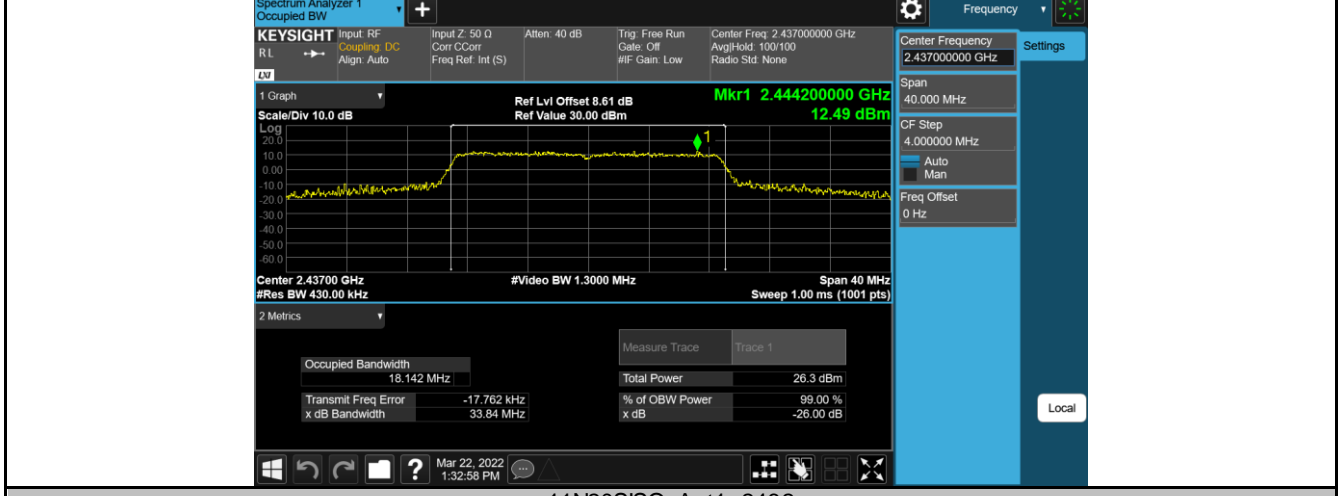
11G_Ant1_2462



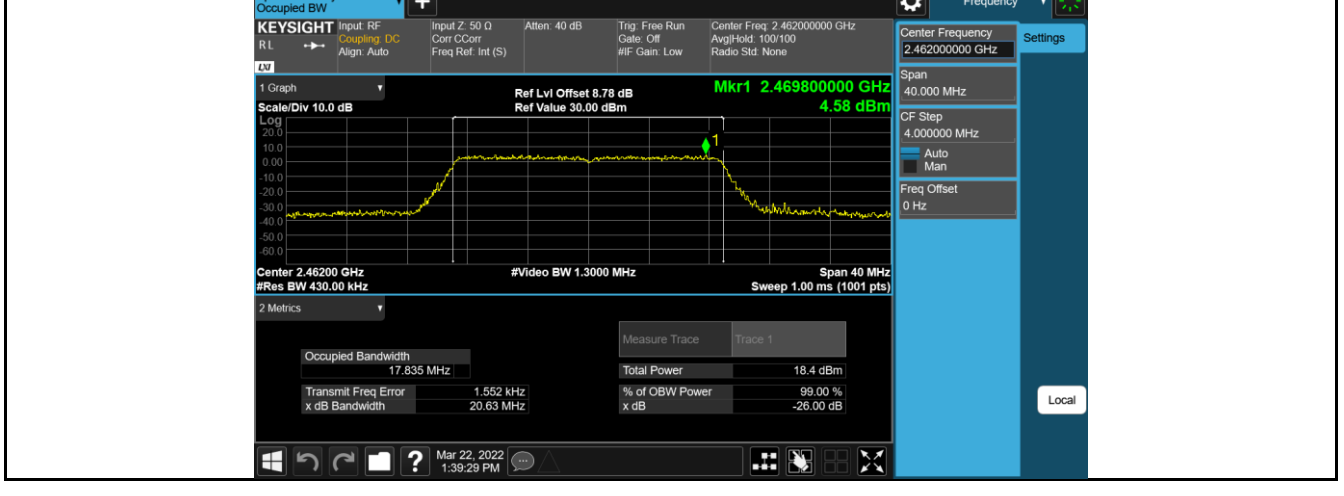
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



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

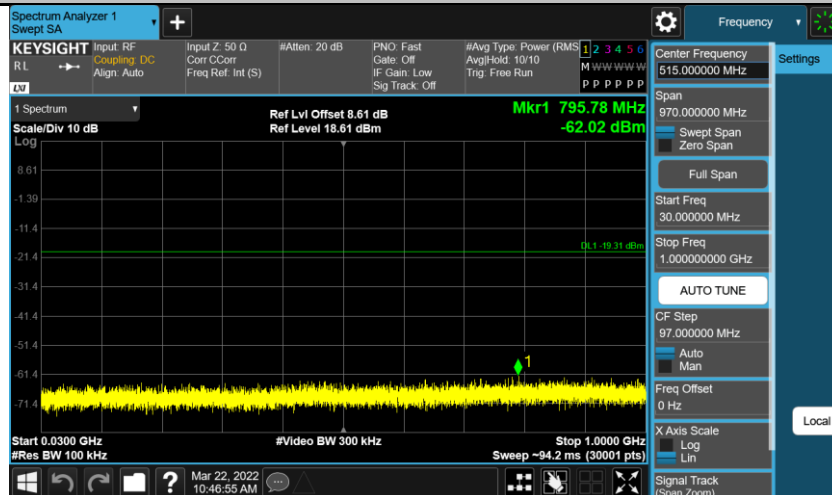
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-62.02	≤-19.31	PASS
			1000~26500	0.69	-52.14	≤-19.31	PASS
		2437	Reference	9.45	9.45	---	PASS
			30~1000	9.45	-61.92	≤-10.55	PASS
			1000~26500	9.45	-43.09	≤-10.55	PASS
		2462	Reference	5.27	5.27	---	PASS
			30~1000	5.27	-61.76	≤-14.73	PASS
			1000~26500	5.27	-48.59	≤-14.73	PASS
11G	Ant1	2412	Reference	-3.15	-3.15	---	PASS
			30~1000	-3.15	-62.66	≤-23.15	PASS
			1000~26500	-3.15	-52.93	≤-23.15	PASS
		2437	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-62.14	≤-13.76	PASS
			1000~26500	6.24	-51.63	≤-13.76	PASS
		2462	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-61.78	≤-21.14	PASS
			1000~26500	-1.14	-52.99	≤-21.14	PASS
11N20SISO	Ant1	2412	Reference	-5.77	-5.77	---	PASS
			30~1000	-5.77	-62.17	≤-25.77	PASS
			1000~26500	-5.77	-53.02	≤-25.77	PASS
		2437	Reference	8.42	8.42	---	PASS
			30~1000	8.42	-62.28	≤-11.58	PASS
			1000~26500	8.42	-51.67	≤-11.58	PASS
		2462	Reference	-2.41	-2.41	---	PASS
			30~1000	-2.41	-61.65	≤-22.41	PASS
			1000~26500	-2.41	-52.96	≤-22.41	PASS

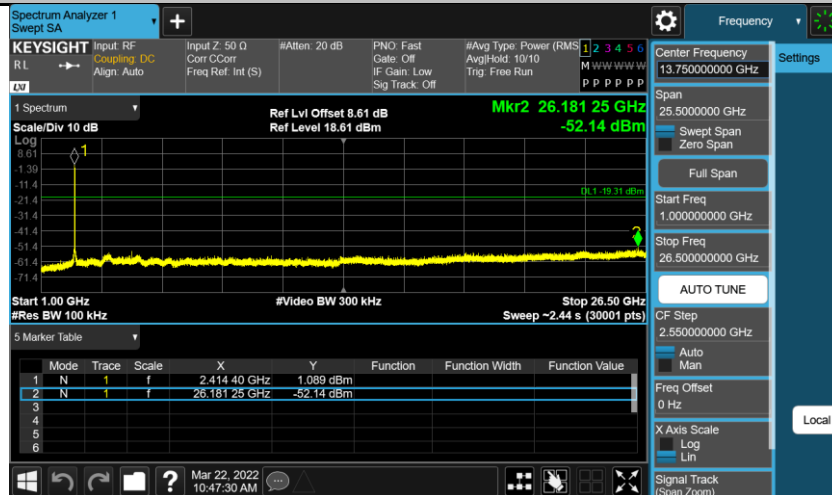
11B_Ant1_2412_0-Reference



11B_Ant1_2412_30-1000



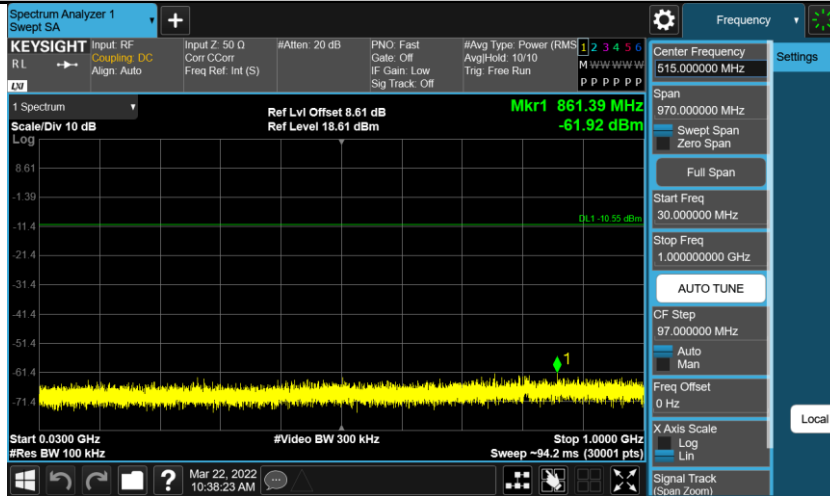
11B_Ant1_2412_1000-26500



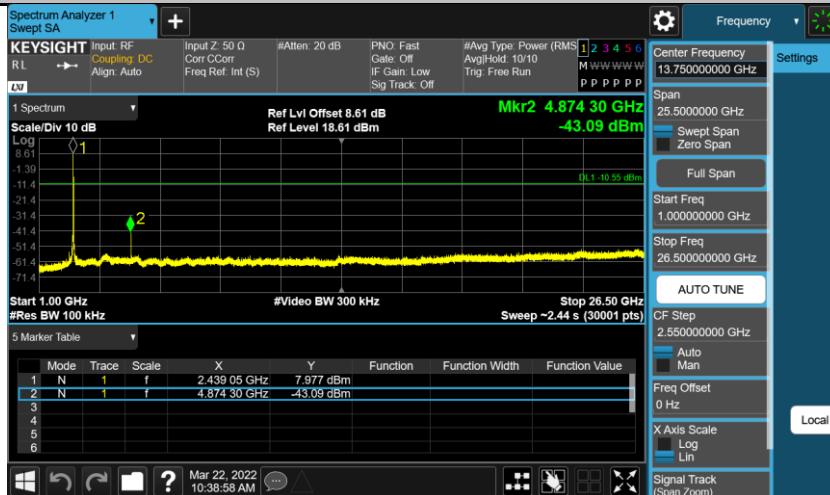
11B_Ant1_2437_0-Reference



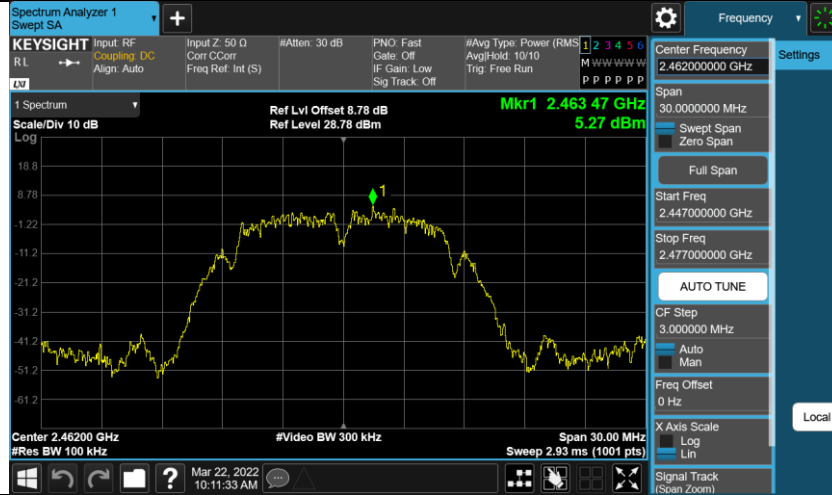
11B_Ant1_2437_30-1000



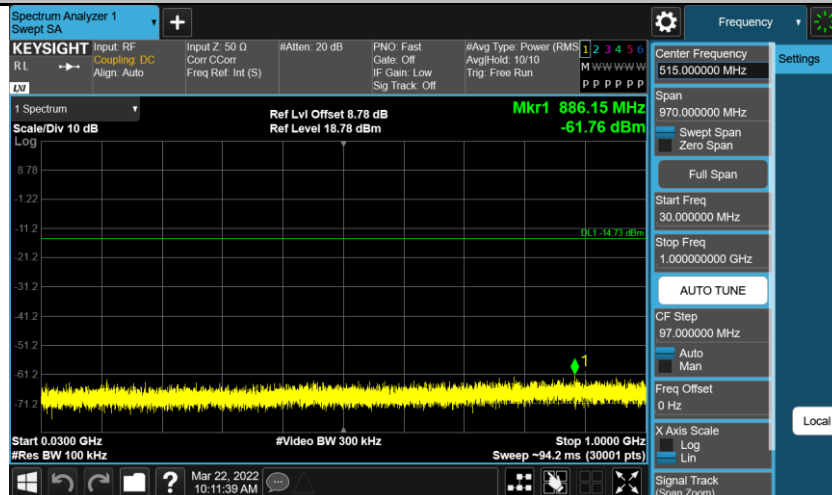
11B_Ant1_2437_1000-26500



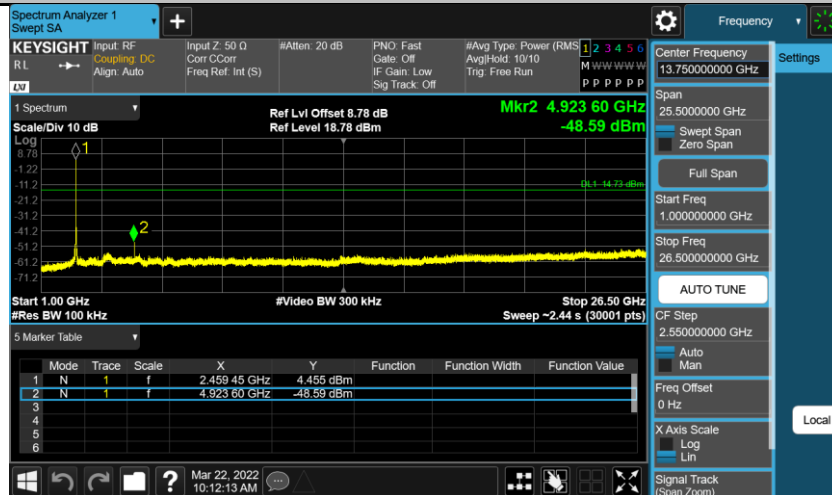
11B_Ant1_2462_0-Reference



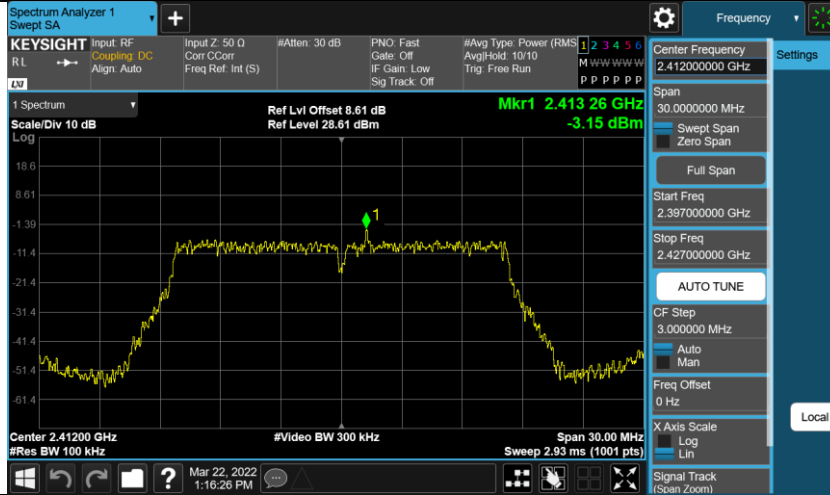
11B_Ant1_2462_30-1000



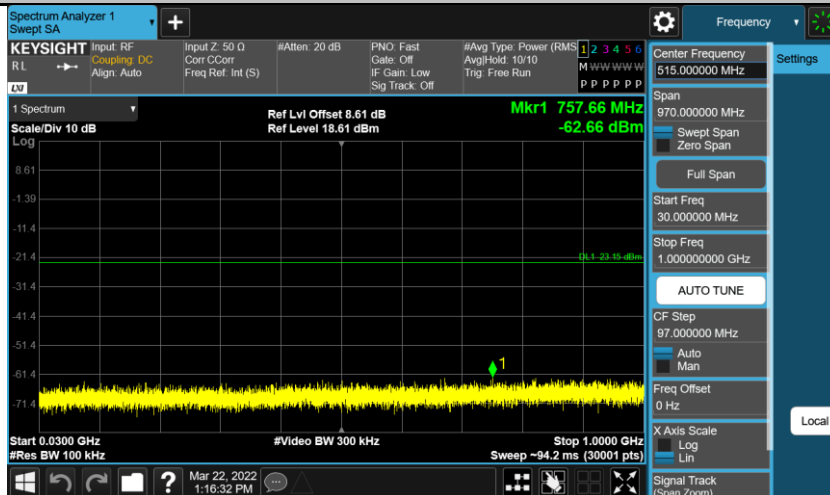
11B_Ant1_2462_1000-26500



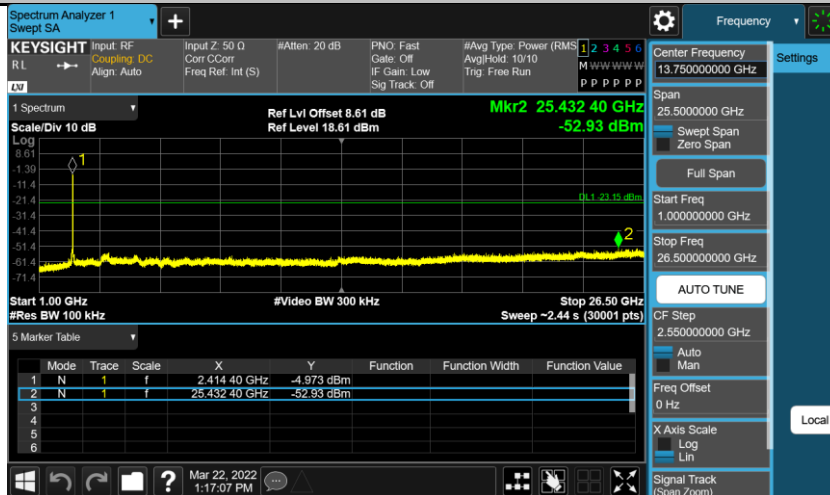
11G_Ant1_2412_0-Reference



11G_Ant1_2412_30-1000



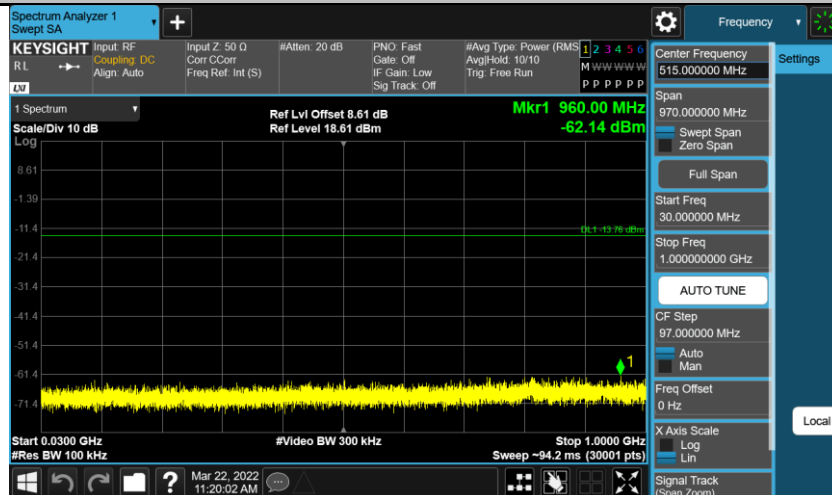
11G_Ant1_2412_1000-26500



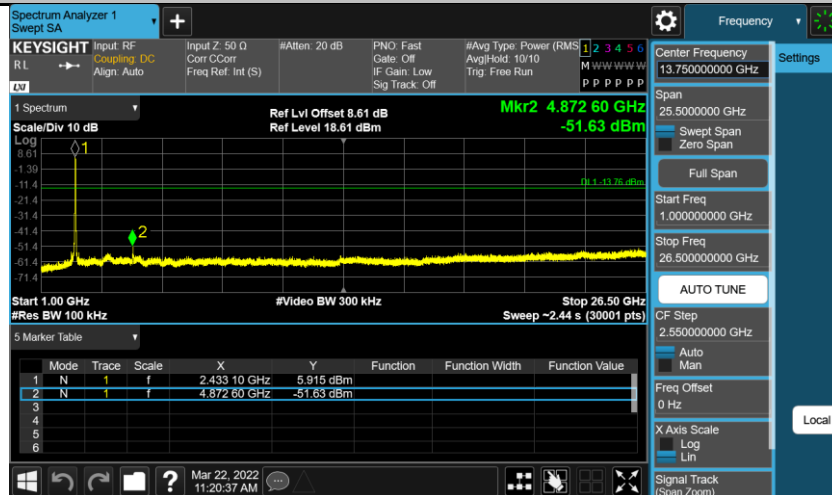
11G_Ant1_2437_0-Reference



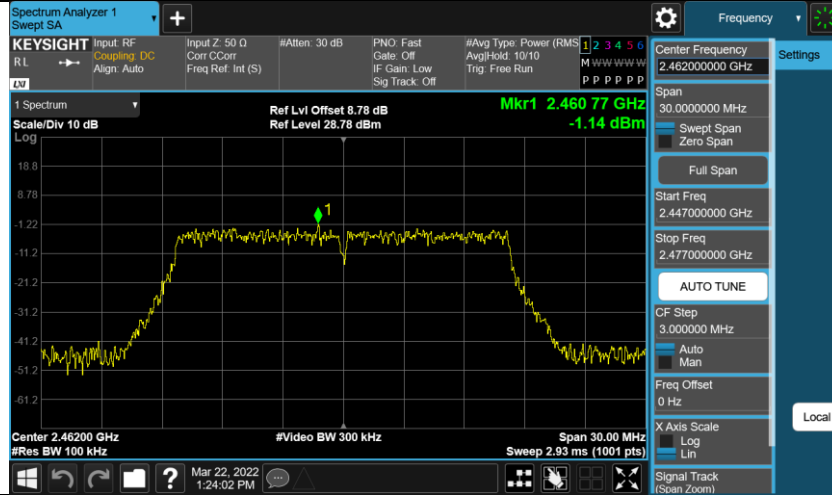
11G_Ant1_2437_30-1000



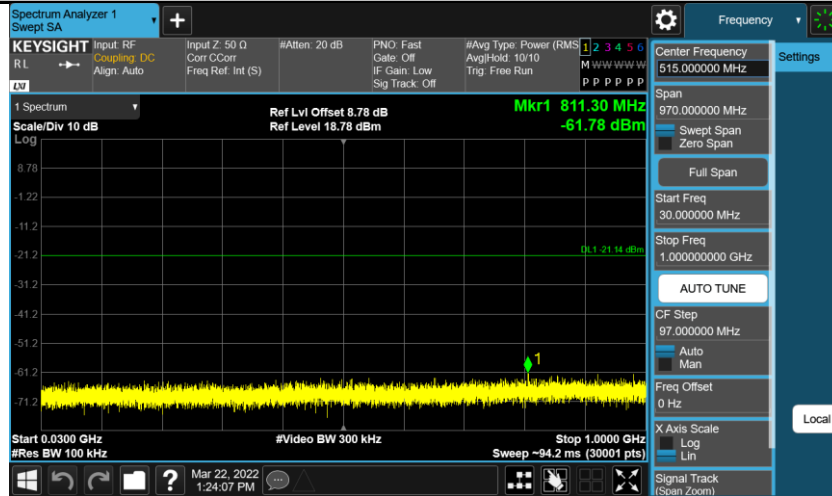
11G_Ant1_2437_1000-26500



11G_Ant1_2462_0-Reference



11G_Ant1_2462_30-1000



11G_Ant1_2462_1000-26500

