

Appendix C: Test Results of 2.4GHz Wi-Fi

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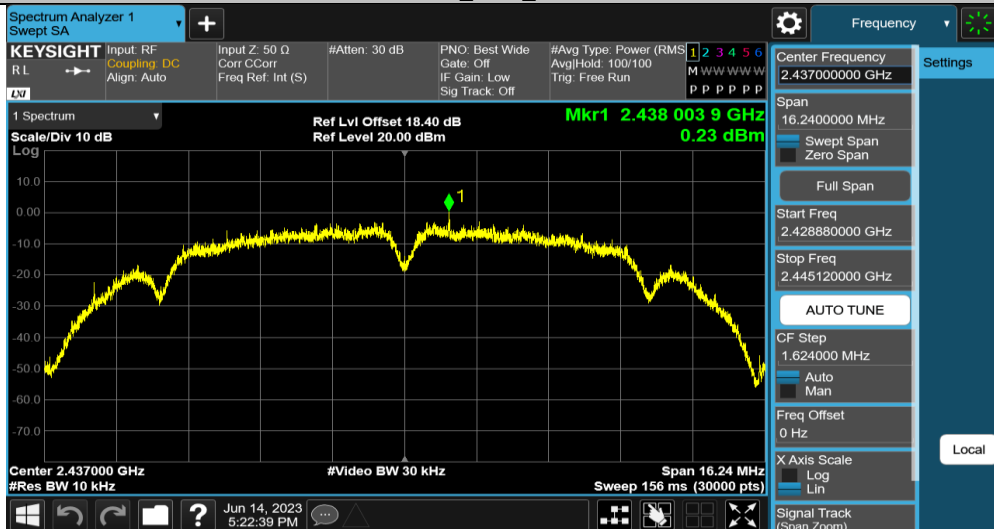
Appendix C.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.65	≤8.00	PASS
		2437	0.23	≤8.00	PASS
		2462	-6.99	≤8.00	PASS
11G	Ant1	2412	-11.43	≤8.00	PASS
		2437	-4.69	≤8.00	PASS
		2462	-9.92	≤8.00	PASS
11N20SISO	Ant1	2412	-9.75	≤8.00	PASS
		2437	-4.9	≤8.00	PASS
		2462	-9.06	≤8.00	PASS
11N40SISO	Ant1	2422	-10.72	≤8.00	PASS
		2437	-9.5	≤8.00	PASS
		2452	-14.04	≤8.00	PASS

11B_Ant1_2412



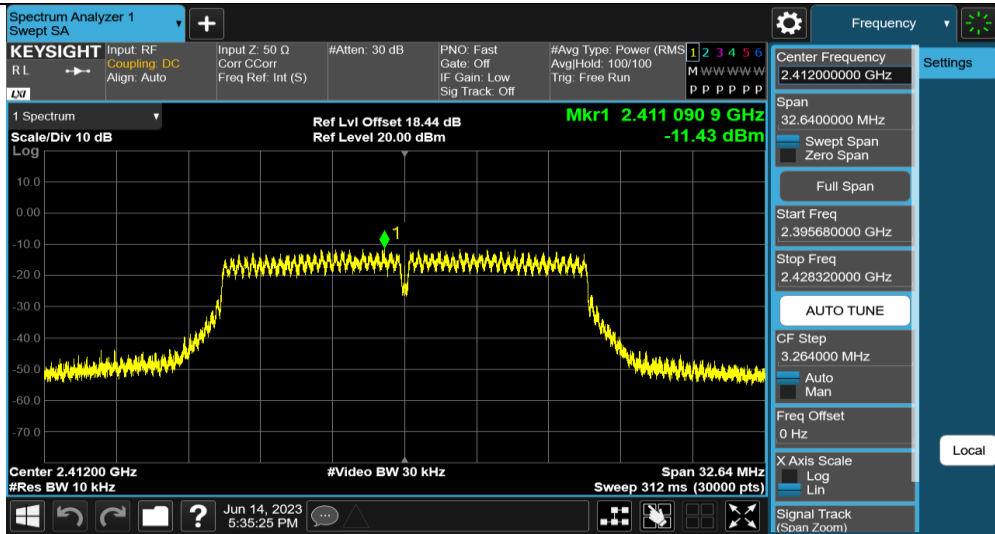
11B_Ant1_2437



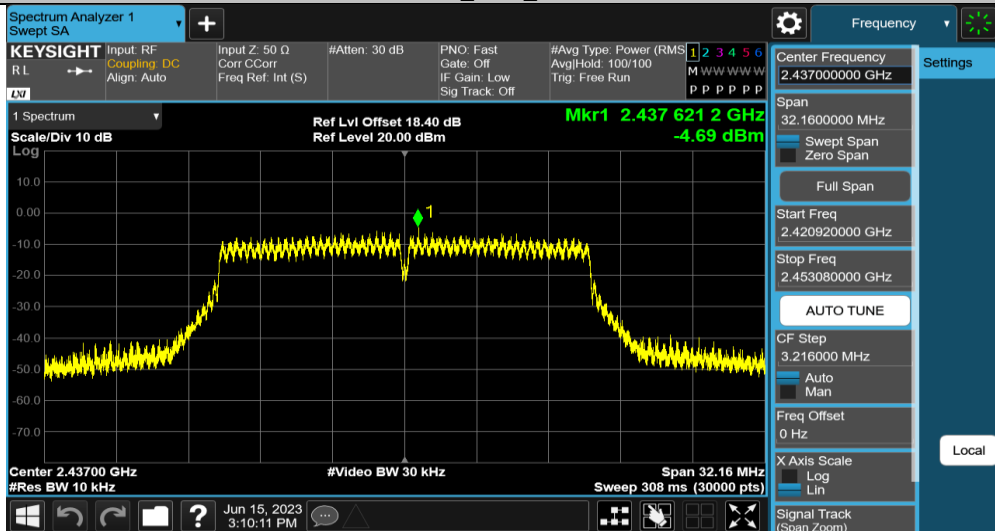
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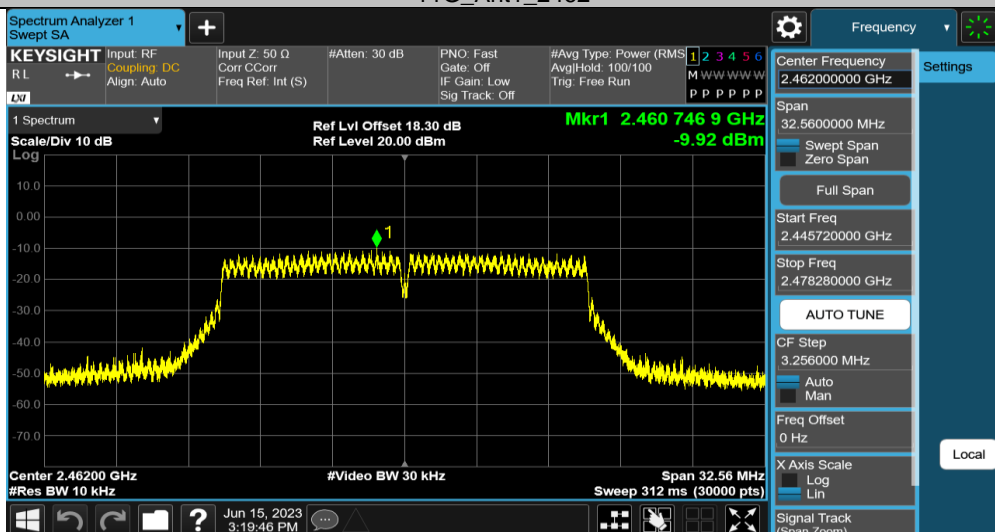
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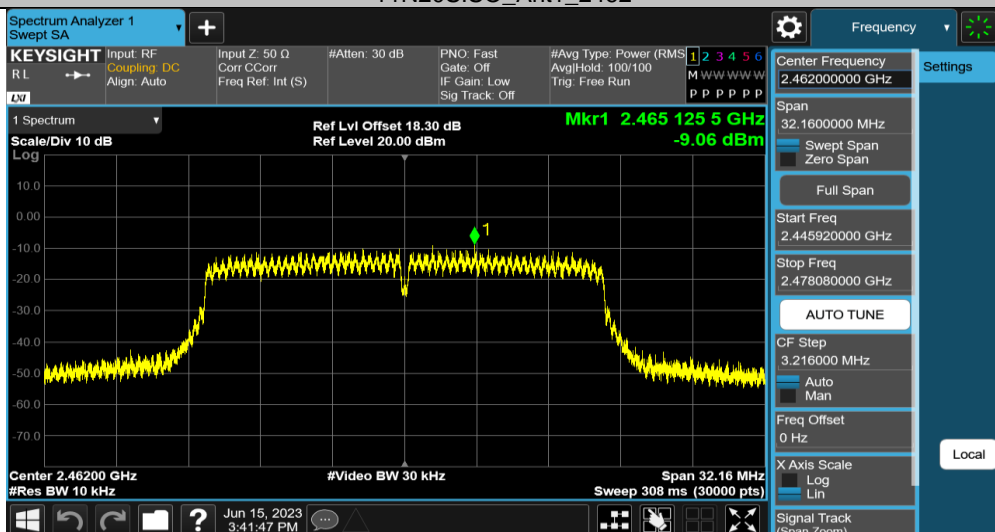
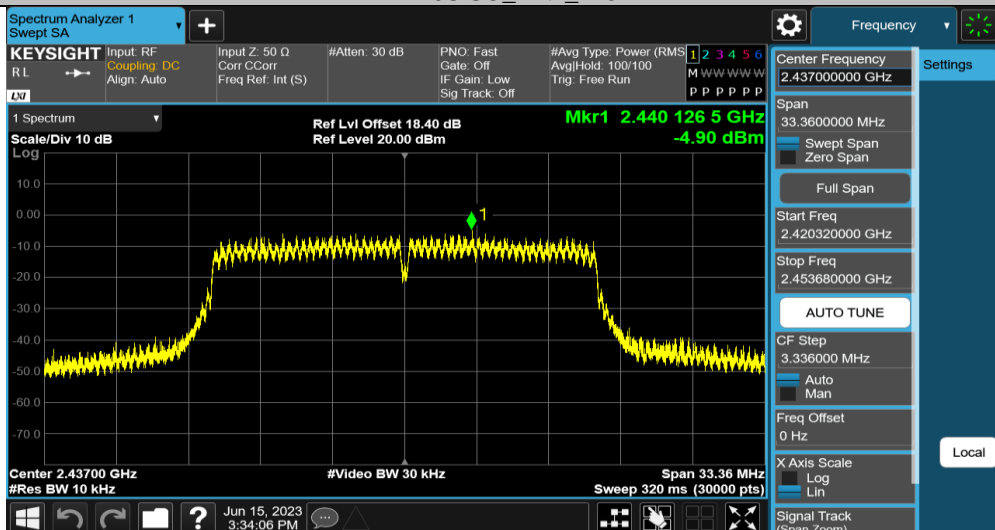
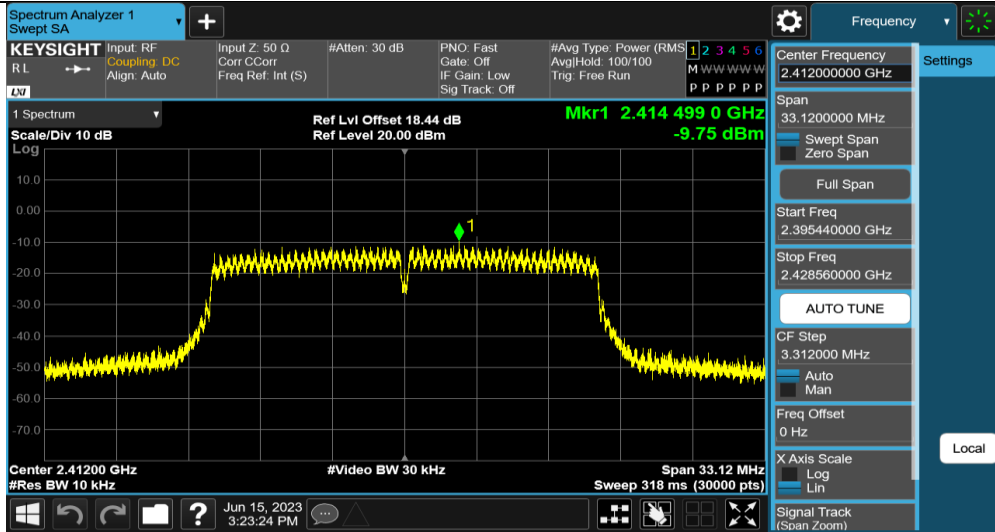
11G_Ant1_2437

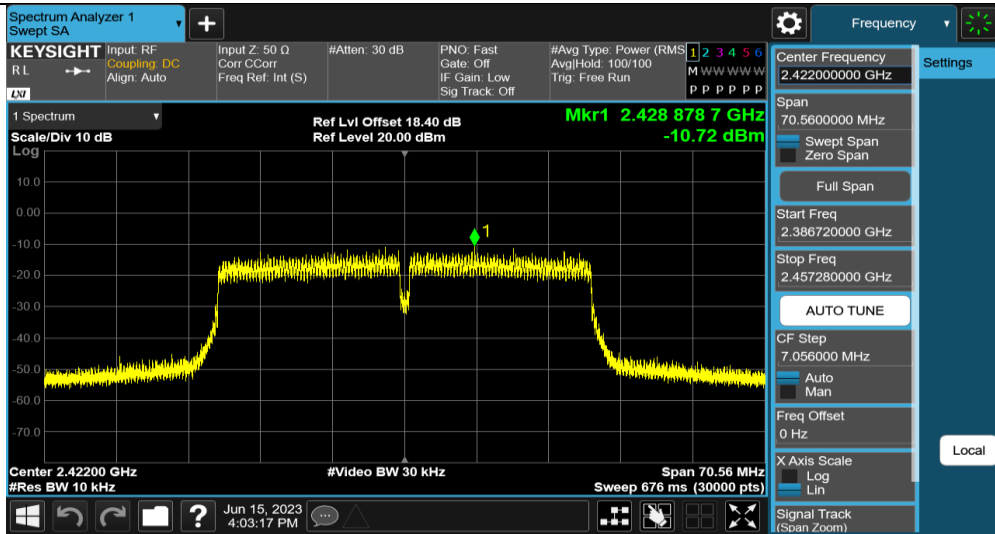


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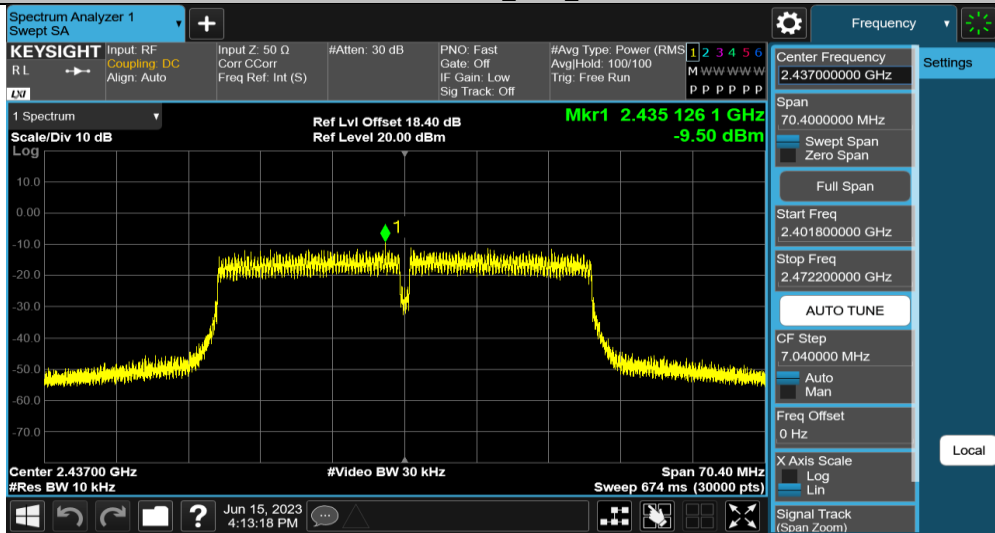


11N20SISO_Ant1_2412

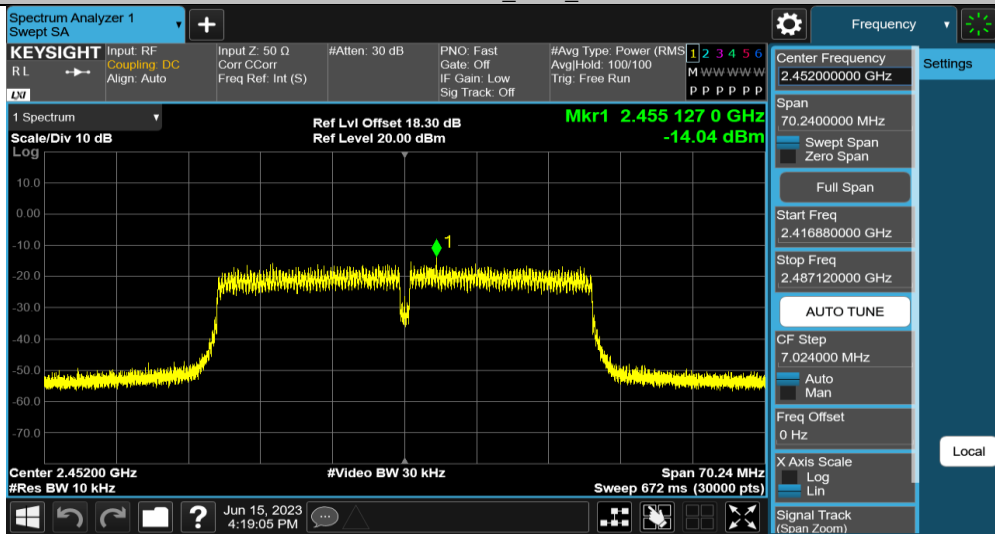




11N40SISO_Ant1_2437



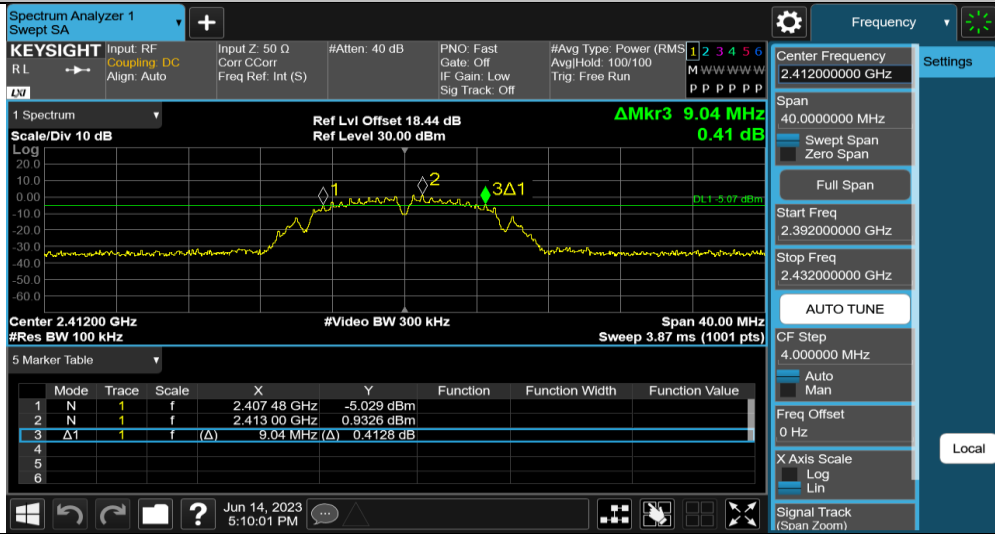
11N40SISO_Ant1_2452



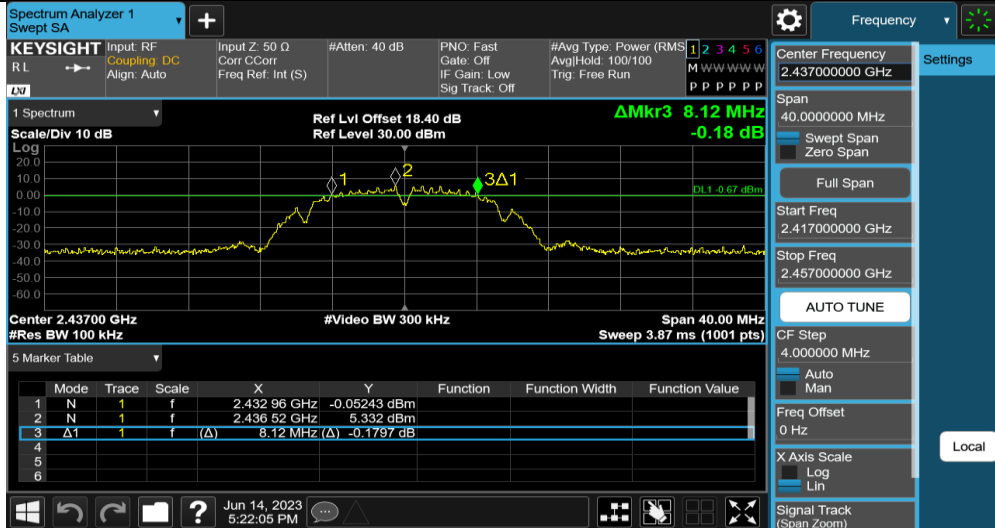
Appendix C.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.040	2407.480	2416.520	0.5	PASS
		2437	8.120	2432.960	2441.080	0.5	PASS
		2462	8.120	2457.960	2466.080	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.080	2429.080	2445.160	0.5	PASS
		2462	16.280	2453.880	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.560	2403.840	2420.400	0.5	PASS
		2437	16.680	2428.720	2445.400	0.5	PASS
		2462	16.080	2454.080	2470.160	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.480	2439.760	0.5	PASS
		2437	35.200	2419.560	2454.760	0.5	PASS
		2452	35.120	2434.400	2469.520	0.5	PASS

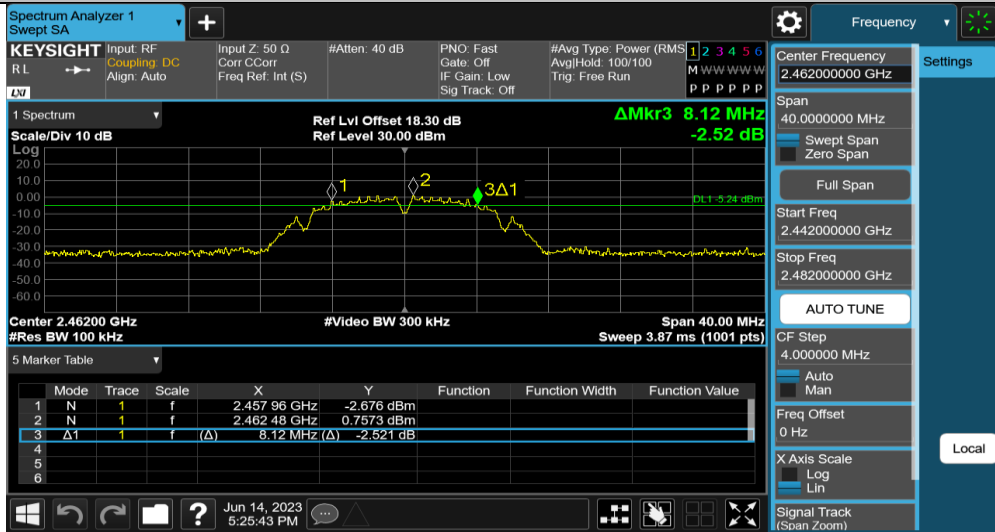
11B_Ant1_2412



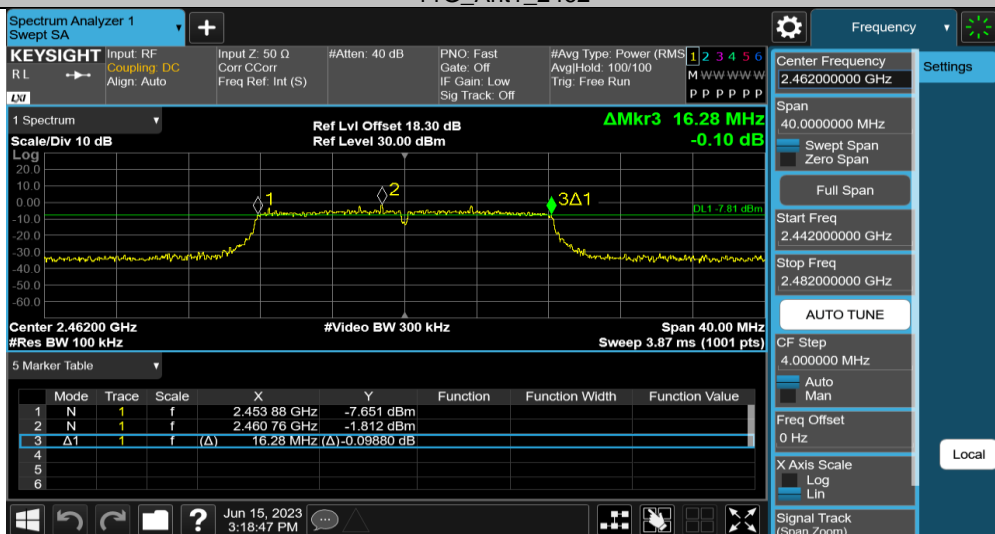
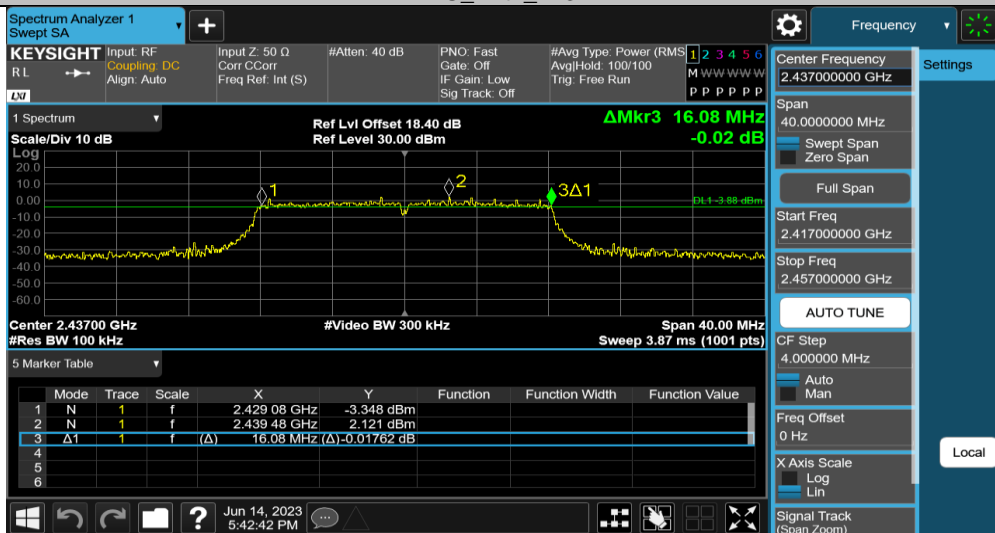
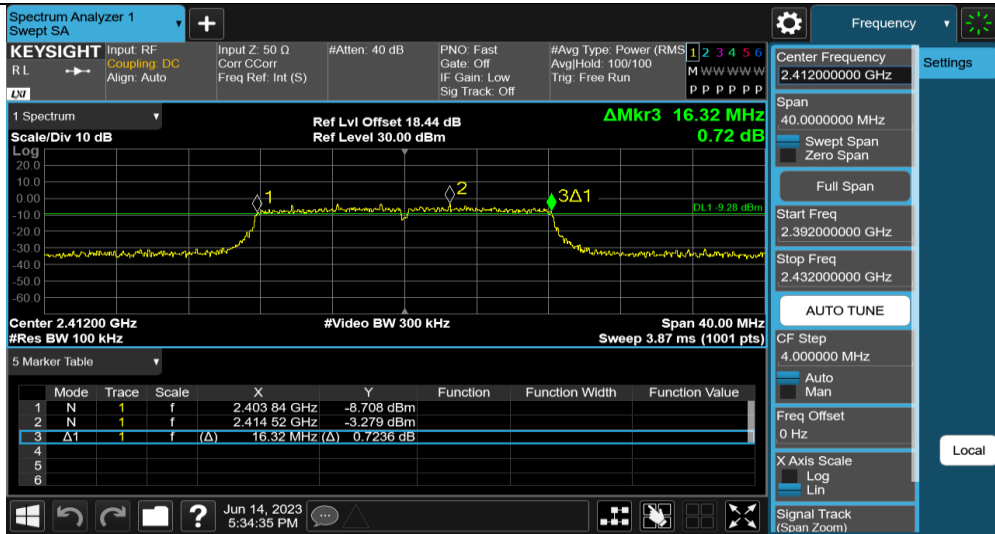
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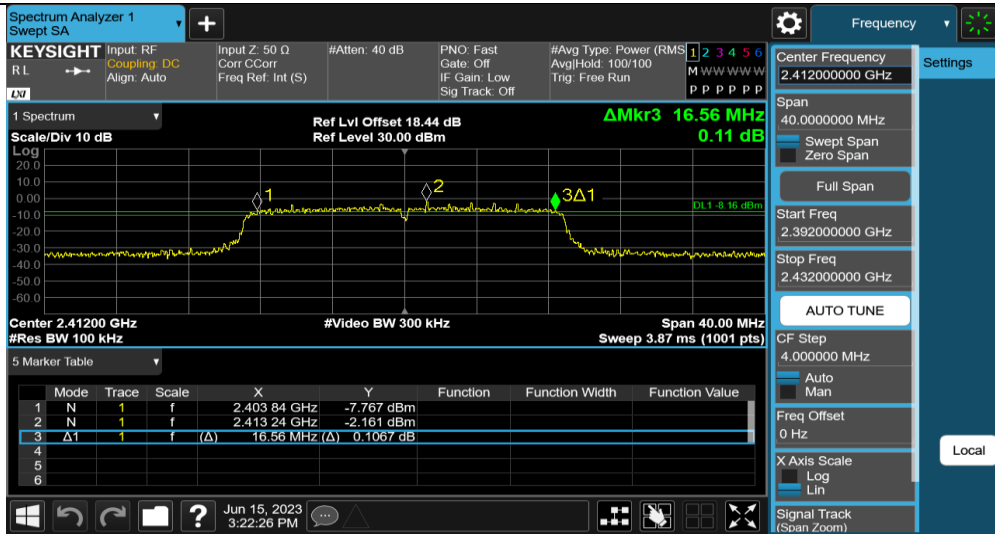


11B_Ant1_2462

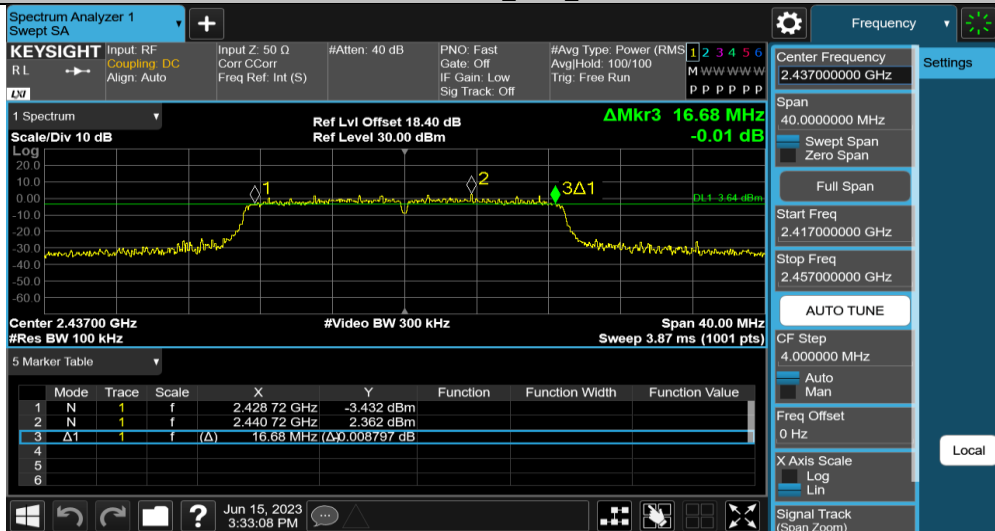


11G_Ant1_2412

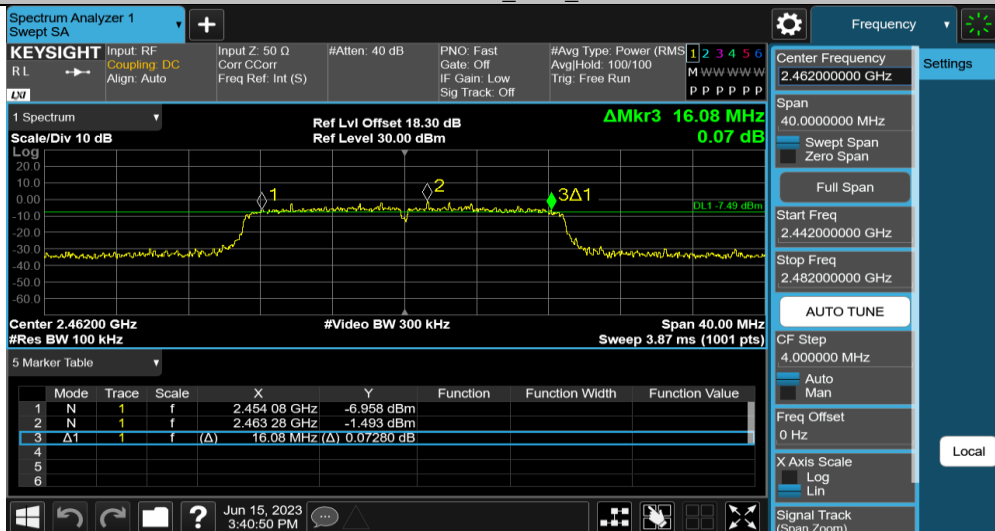




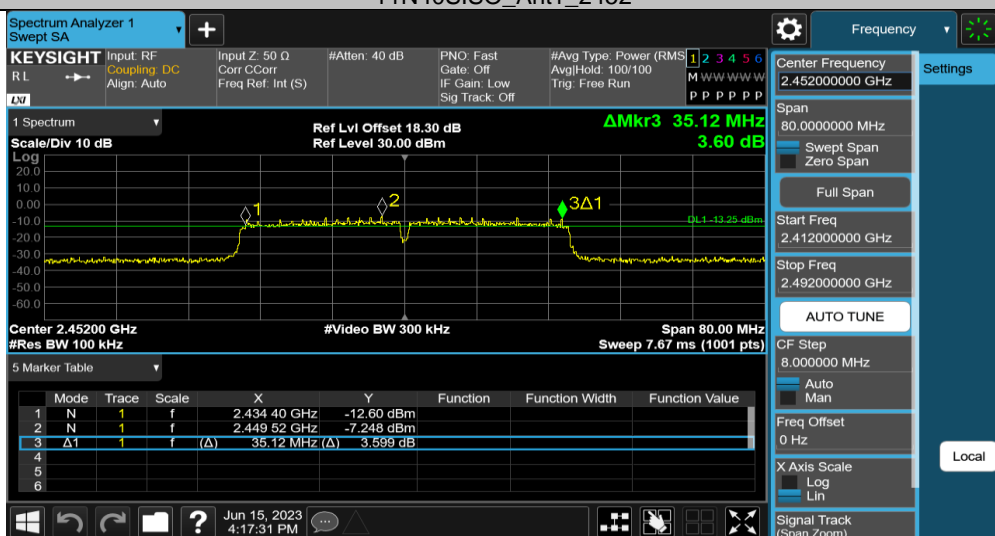
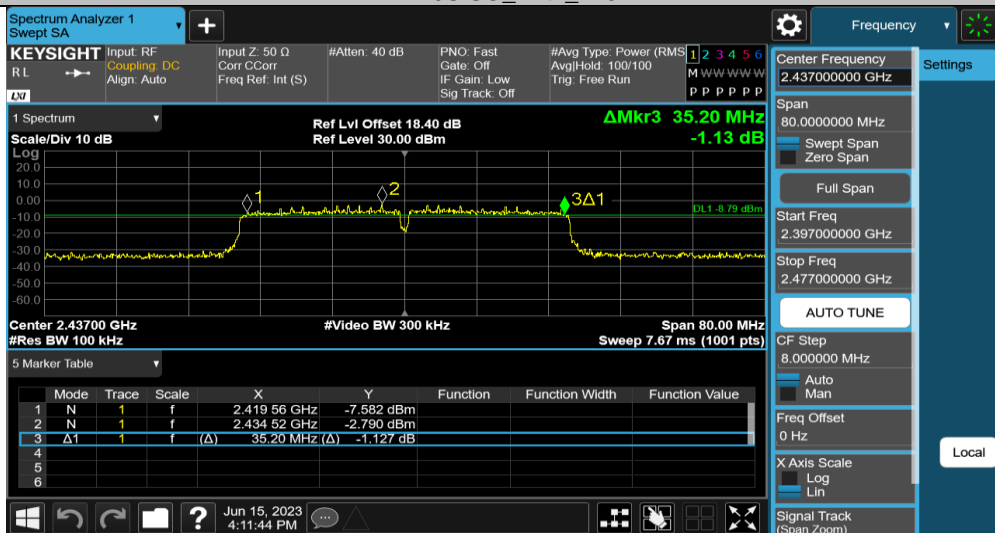
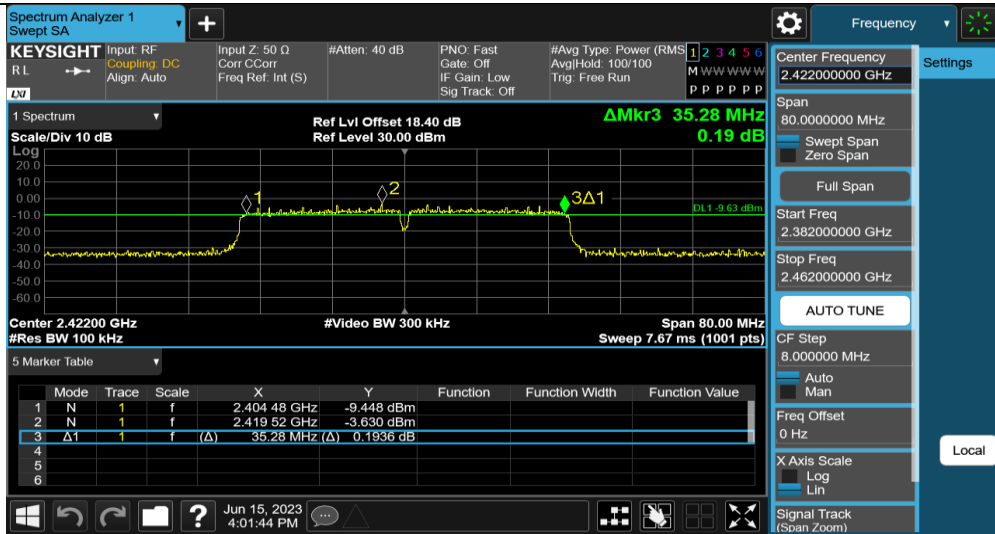
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462

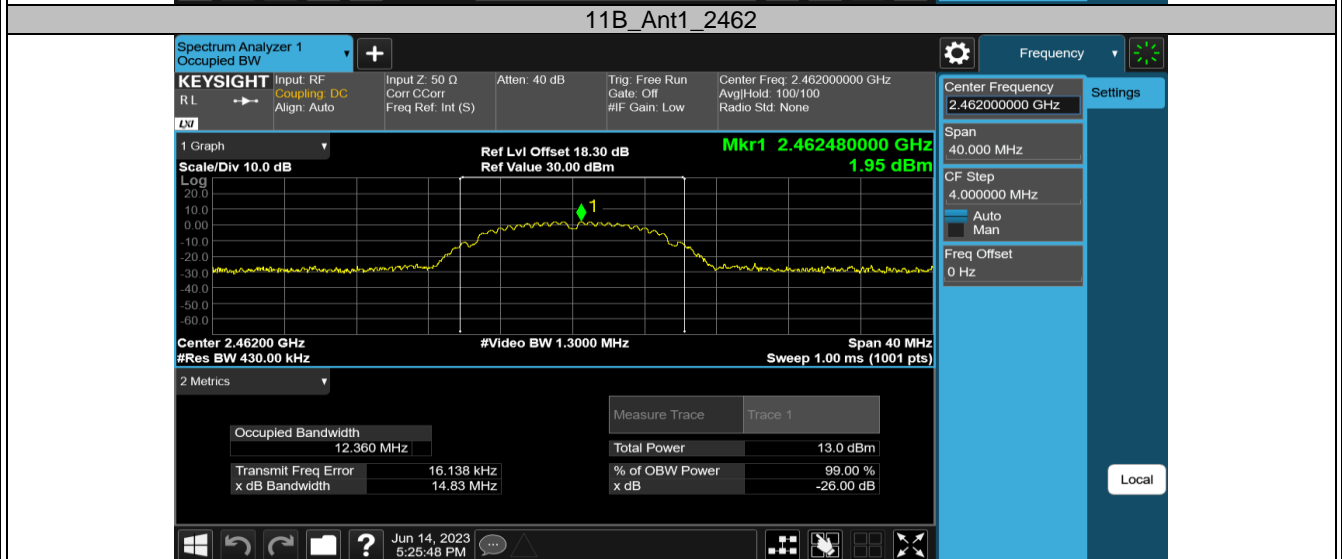
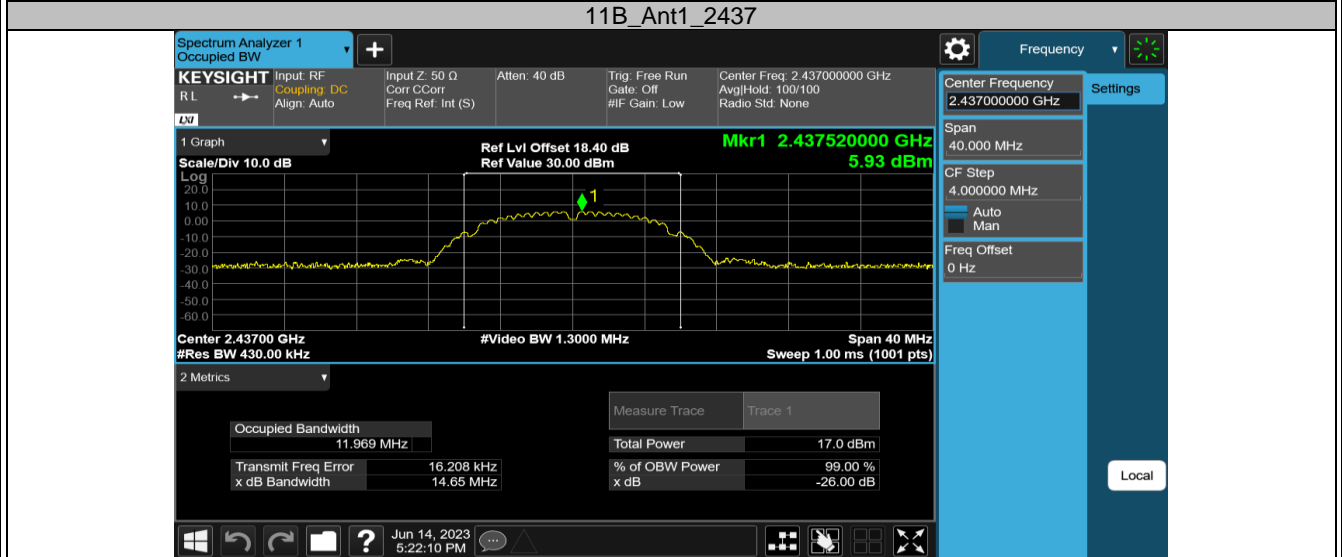
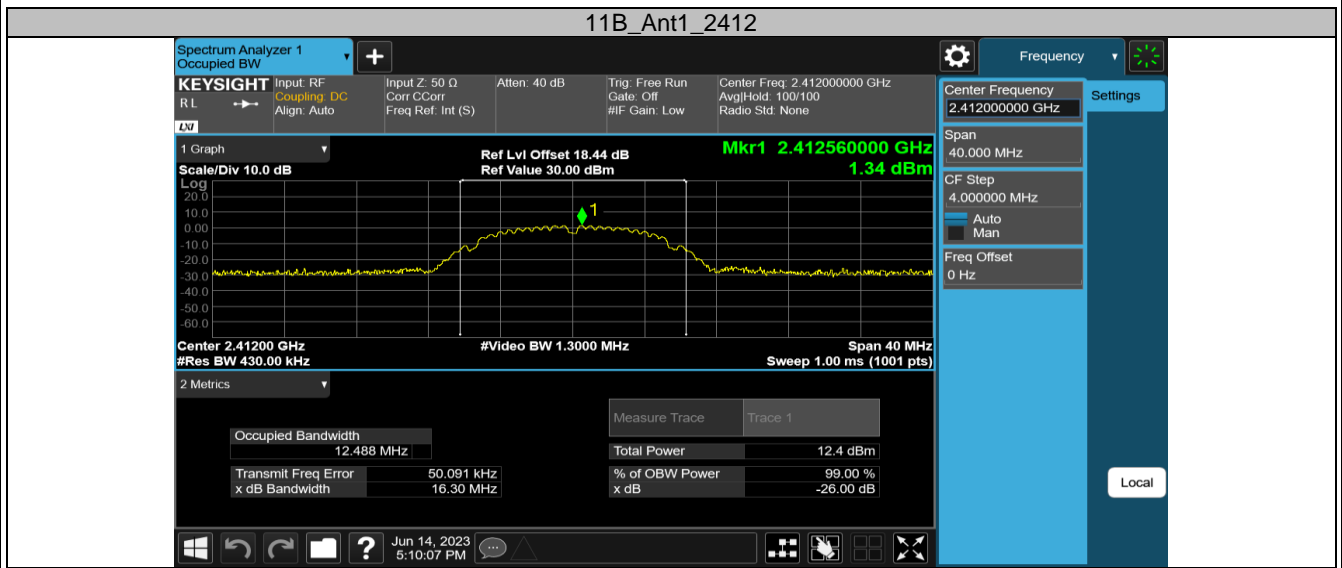


11N40SISO_Ant1_2422

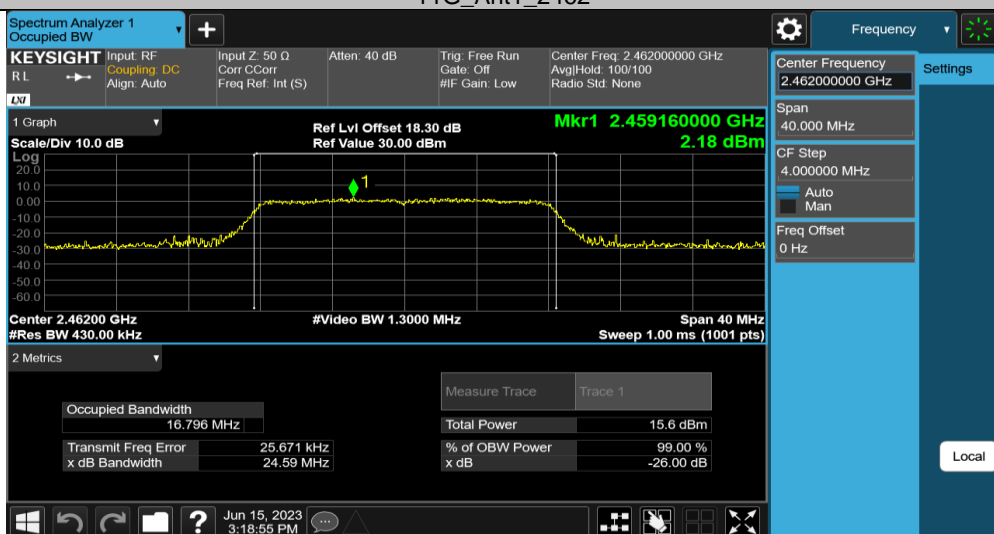
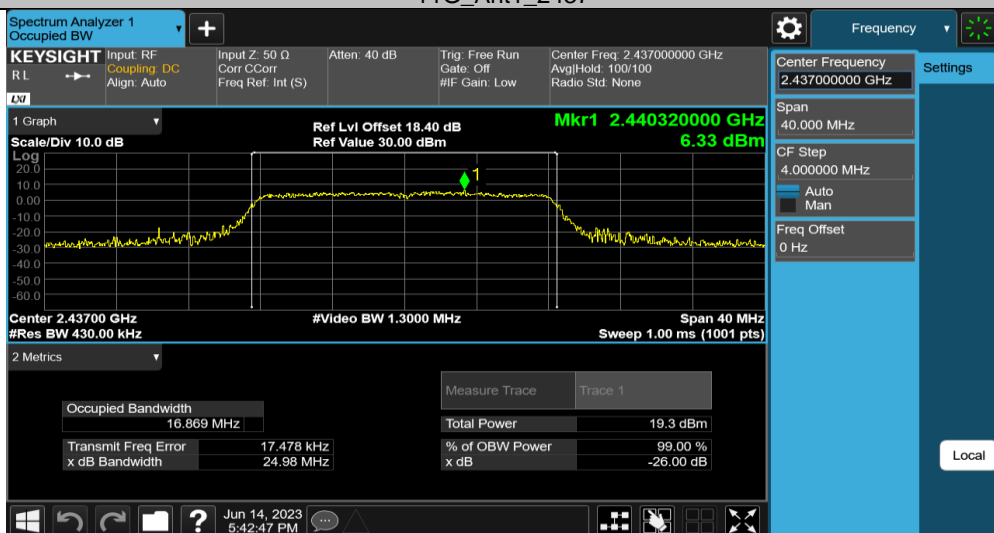
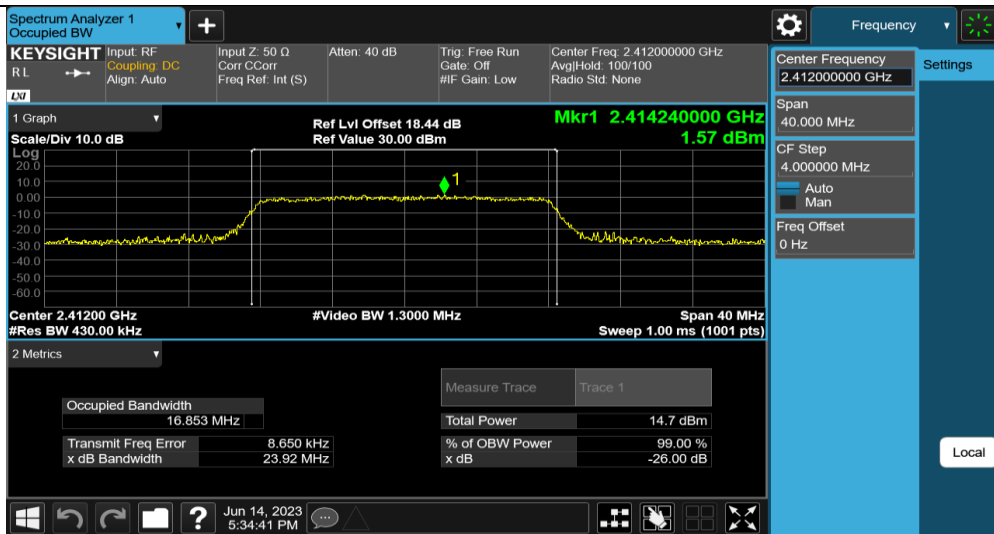


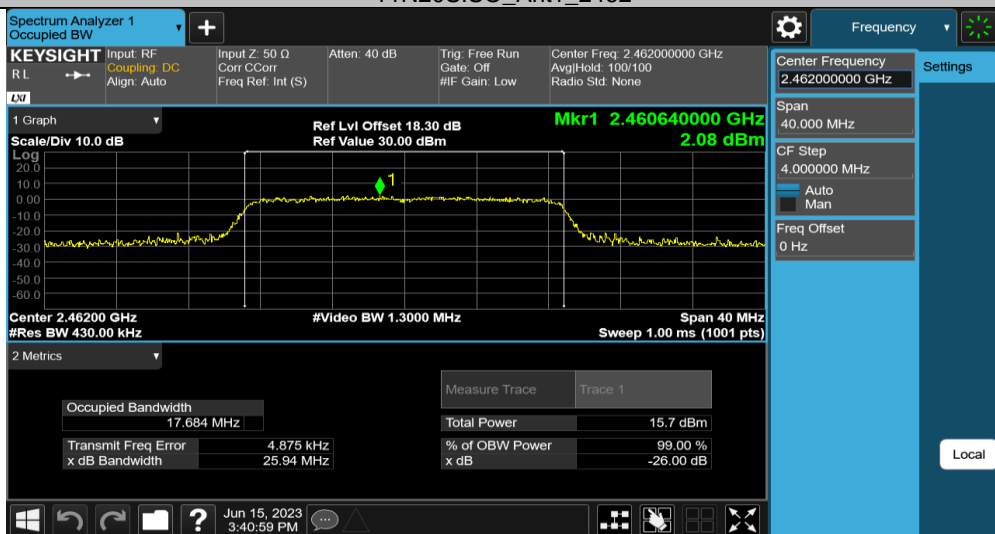
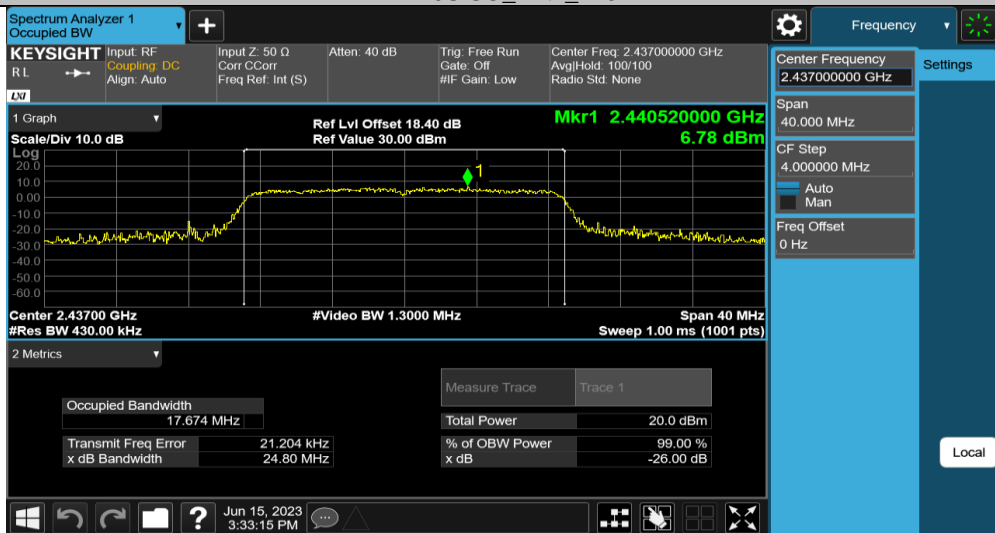
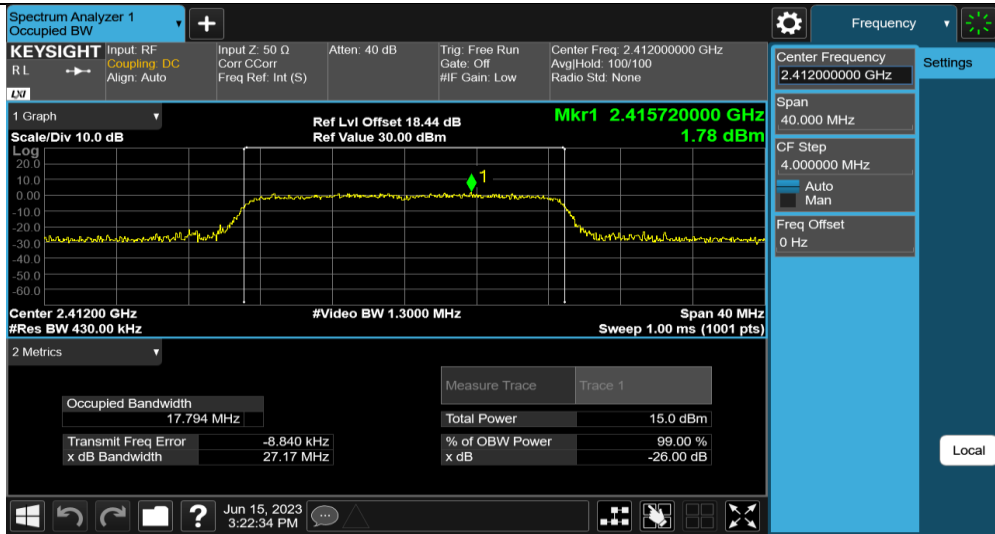
Appendix C.3: Test Results of 99% Bandwidth

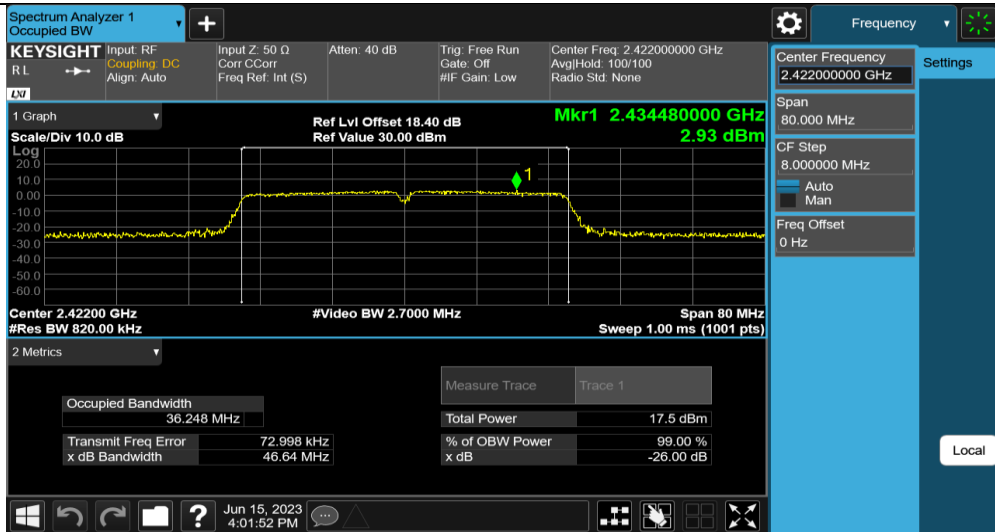
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.488	2405.8061	2418.2941	---	PASS
		2437	11.969	2431.0317	2443.0007	---	PASS
		2462	12.360	2455.8361	2468.1961	---	PASS
11G	Ant1	2412	16.853	2403.5822	2420.4352	---	PASS
		2437	16.869	2428.5830	2445.4520	---	PASS
		2462	16.796	2453.6277	2470.4237	---	PASS
11N20SISO	Ant1	2412	17.794	2403.0942	2420.8882	---	PASS
		2437	17.674	2428.1842	2445.8582	---	PASS
		2462	17.684	2453.1629	2470.8469	---	PASS
11N40SISO	Ant1	2422	36.248	2403.9490	2440.1970	---	PASS
		2437	36.298	2418.8981	2455.1961	---	PASS
		2452	36.850	2433.6522	2470.5022	---	PASS



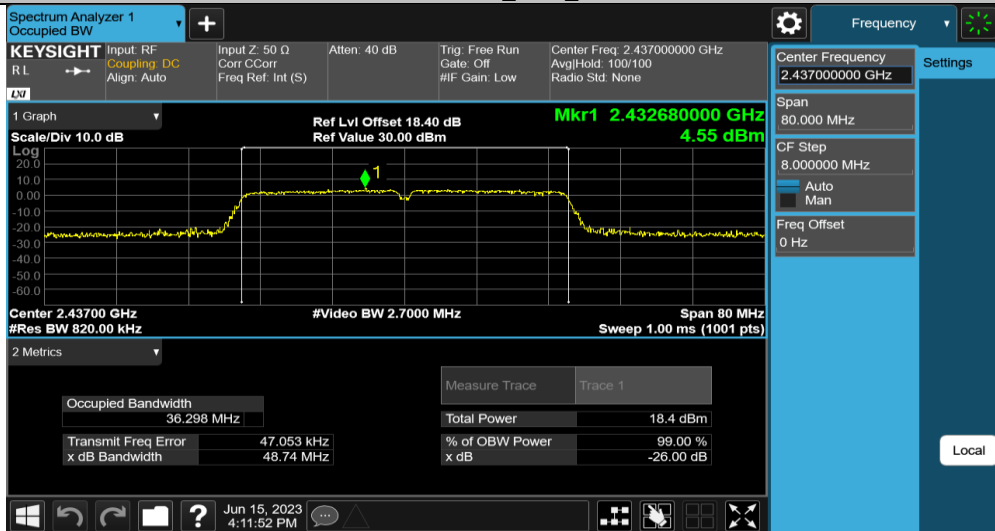
11G_Ant1_2412



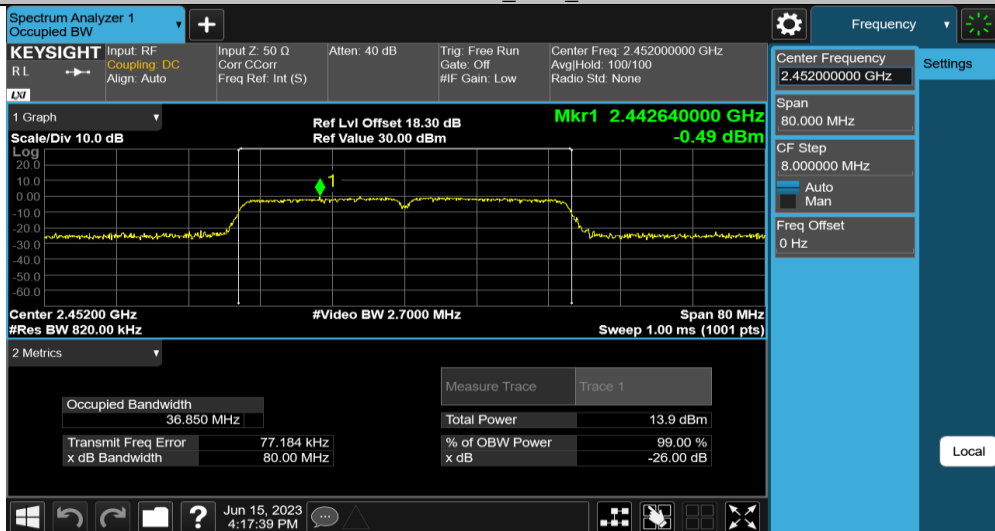




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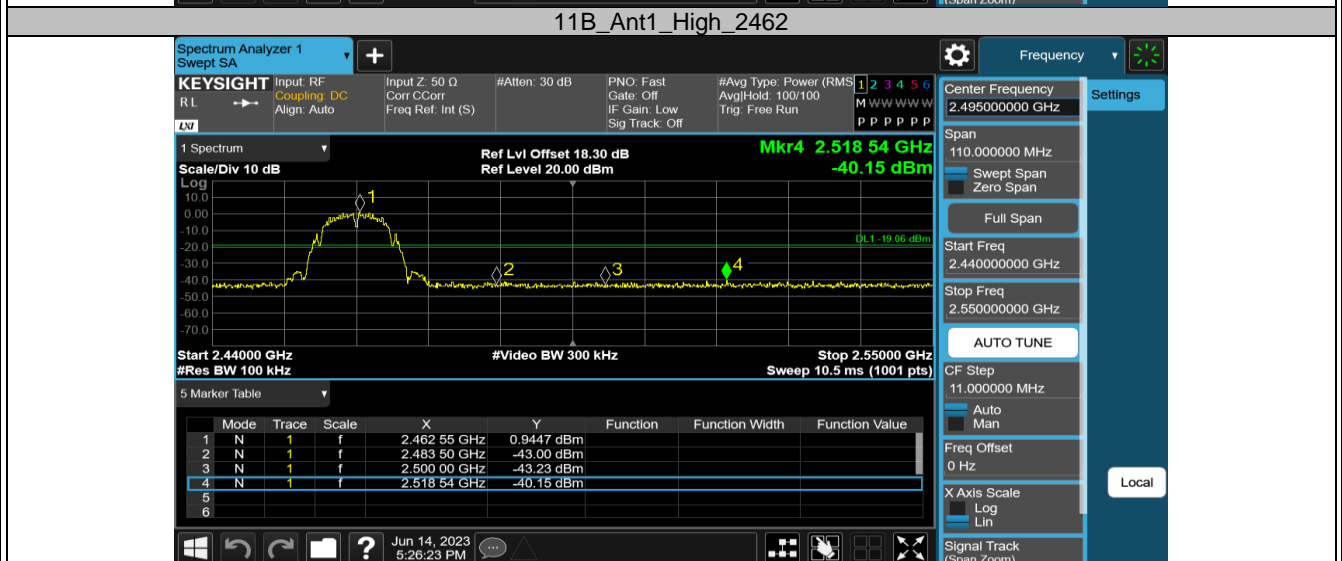
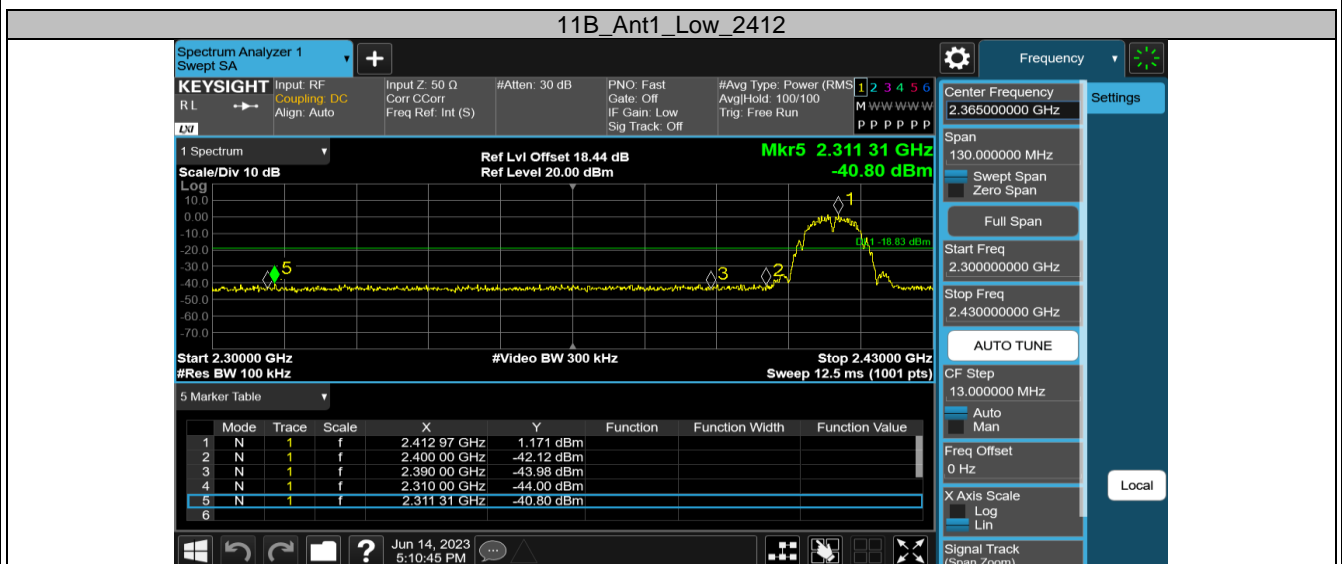
11N40SISO_Ant1_2452

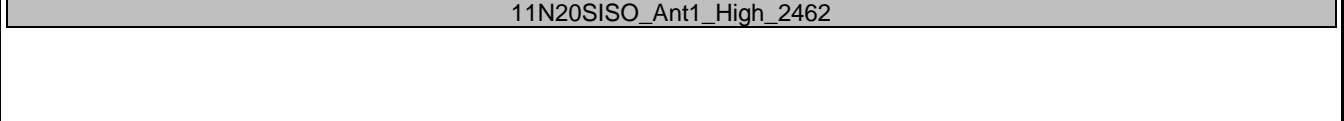
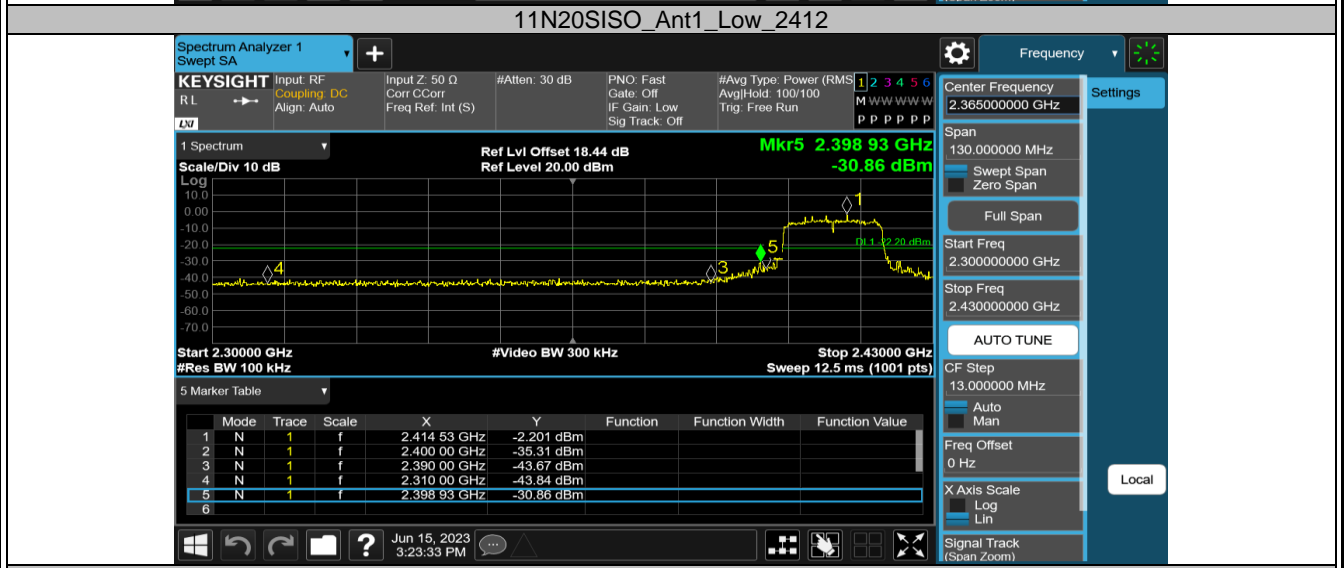
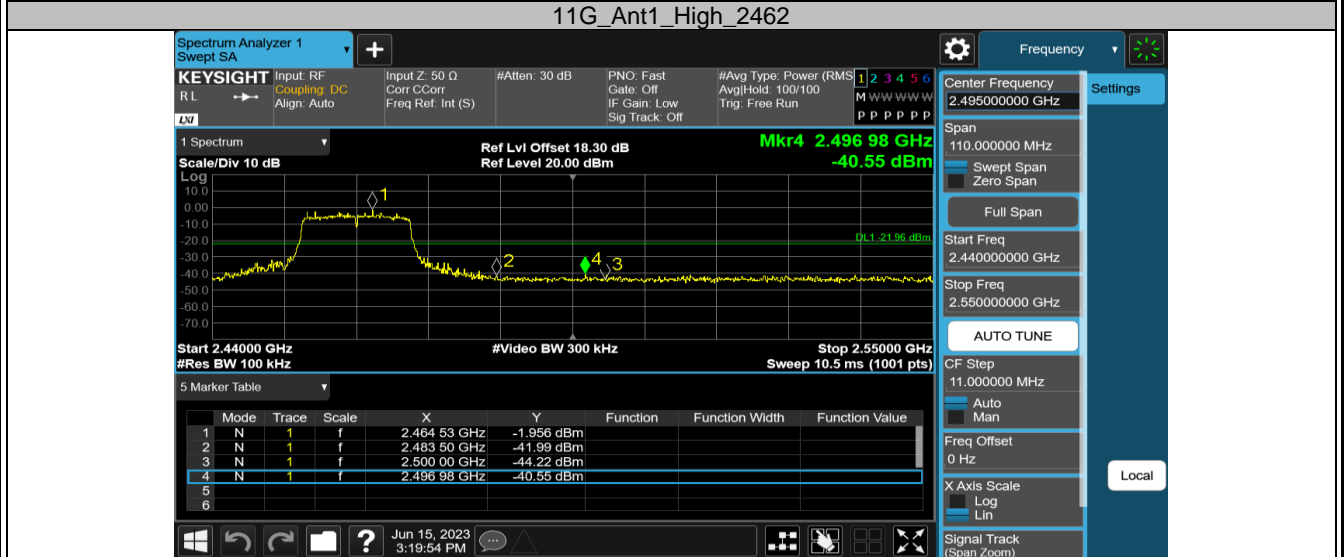
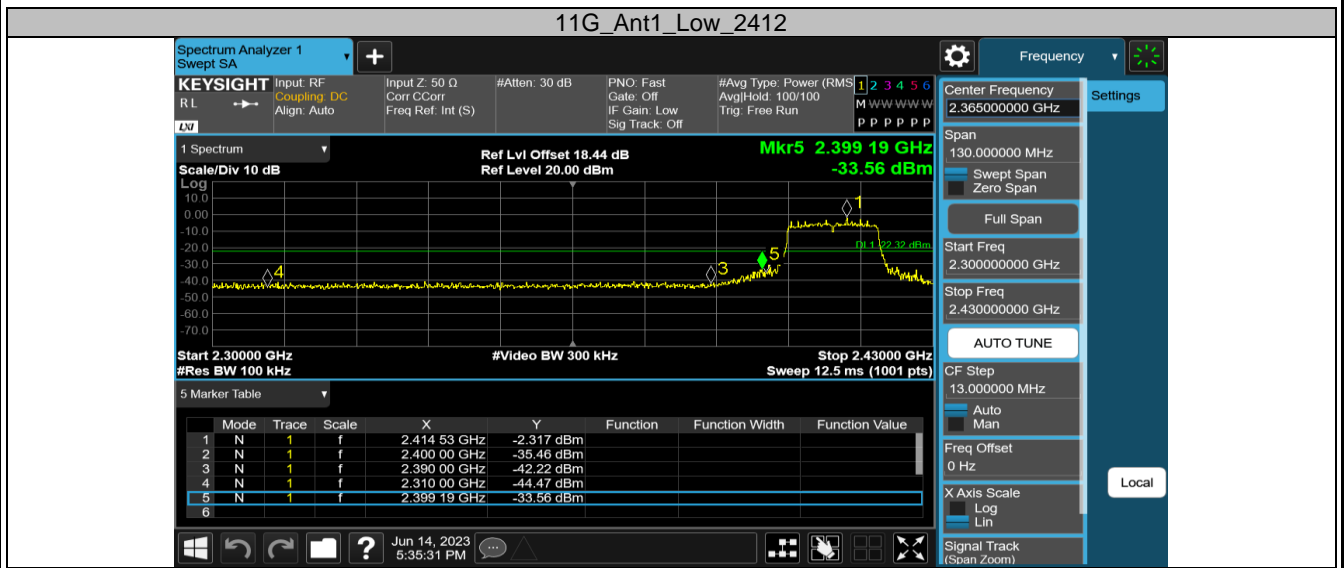


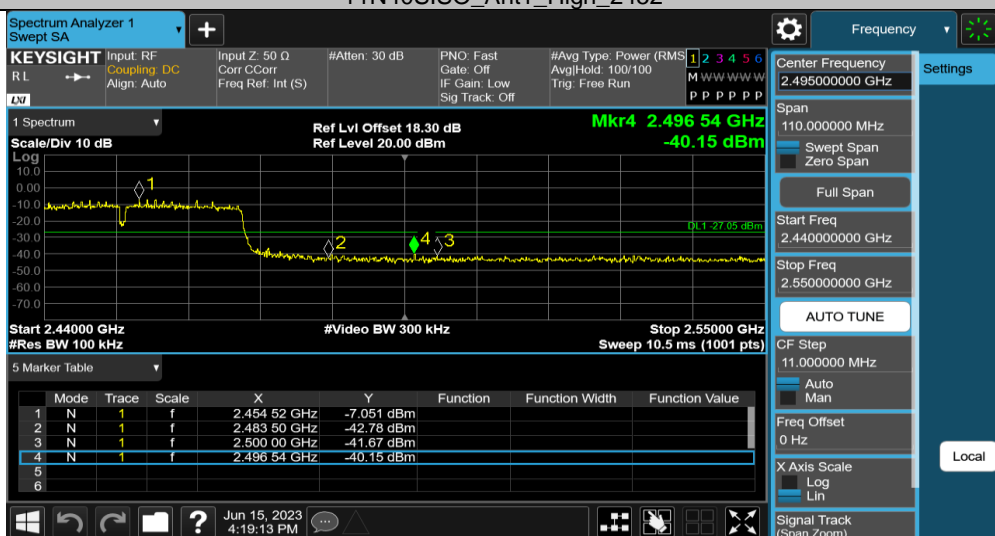
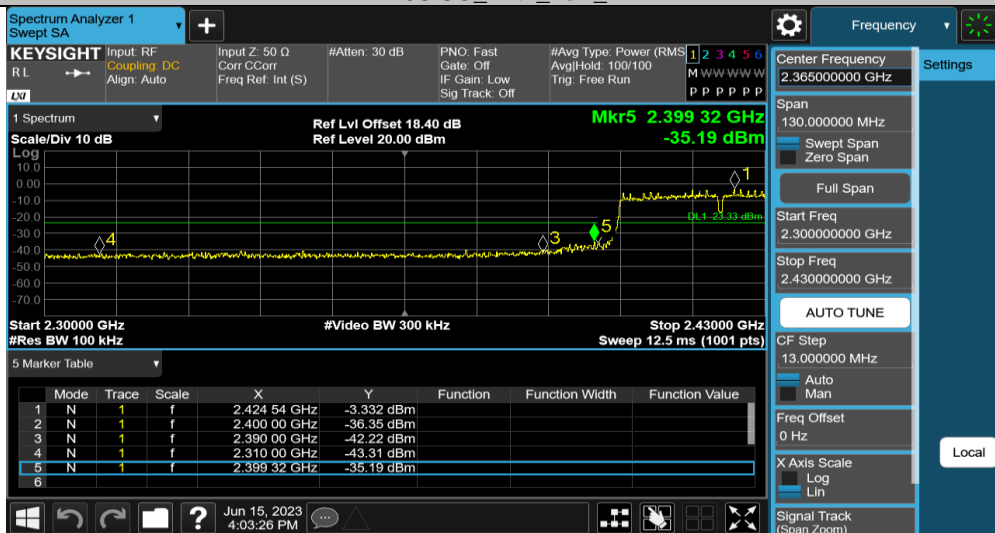
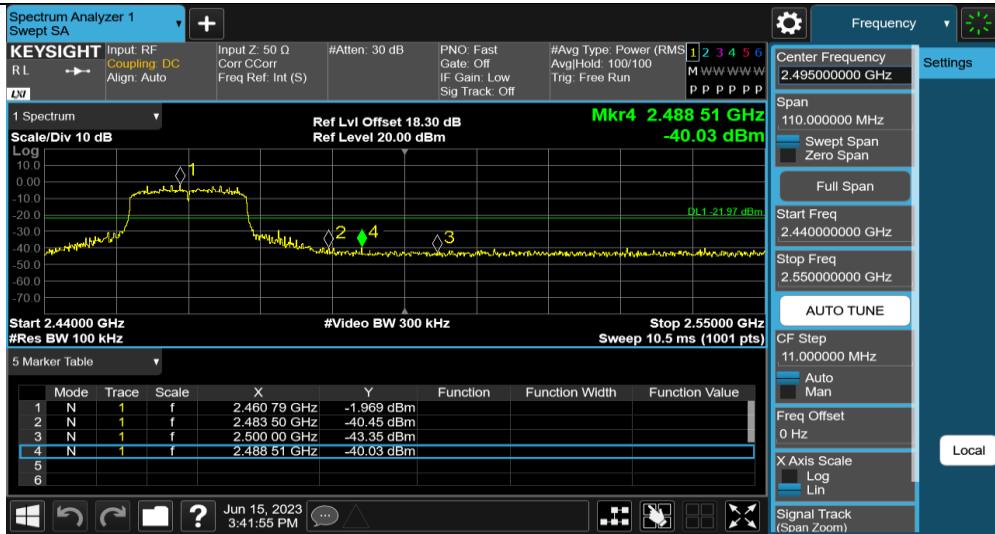
Appendix C.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.17	-40.8	≤-18.83	PASS
		High	2462	0.95	-40.15	≤-19.06	PASS
11G	Ant1	Low	2412	-2.32	-33.56	≤-22.32	PASS
		High	2462	-1.96	-40.55	≤-21.96	PASS
11N20SISO	Ant1	Low	2412	-2.20	-30.86	≤-22.2	PASS
		High	2462	-1.97	-40.03	≤-21.97	PASS
11N40SISO	Ant1	Low	2422	-3.33	-35.19	≤-23.33	PASS
		High	2452	-7.05	-40.15	≤-27.05	PASS







Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-51.88	≤-21.01	PASS
			1000~26500	-1.01	-42.95	≤-21.01	PASS
		2437	Reference	5.14	5.14	---	PASS
			30~1000	5.14	-51.52	≤-14.86	PASS
			1000~26500	5.14	-42.18	≤-14.86	PASS
		2462	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-52.09	≤-19.4	PASS
			1000~26500	0.60	-41.74	≤-19.4	PASS
11G	Ant1	2412	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-51.72	≤-22.87	PASS
			1000~26500	-2.87	-42.01	≤-22.87	PASS
		2437	Reference	-0.17	-0.17	---	PASS
			30~1000	-0.17	-51.74	≤-20.17	PASS
			1000~26500	-0.17	-42.34	≤-20.17	PASS
		2462	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-52.01	≤-22.94	PASS
			1000~26500	-2.94	-43	≤-22.94	PASS
11N20SISO	Ant1	2412	Reference	-2.87	-2.87	---	PASS
			30~1000	-2.87	-51.16	≤-22.87	PASS
			1000~26500	-2.87	-42.92	≤-22.87	PASS
		2437	Reference	1.82	1.82	---	PASS
			30~1000	1.82	-51.55	≤-18.18	PASS
			1000~26500	1.82	-43.36	≤-18.18	PASS
		2462	Reference	-4.32	-4.32	---	PASS
			30~1000	-4.32	-52.34	≤-24.32	PASS
			1000~26500	-4.32	-43.03	≤-24.32	PASS
11N40SISO	Ant1	2422	Reference	-4.26	-4.26	---	PASS
			30~1000	-4.26	-52.08	≤-24.26	PASS
			1000~26500	-4.26	-43	≤-24.26	PASS
		2437	Reference	-3.19	-3.19	---	PASS
			30~1000	-3.19	-51.66	≤-23.19	PASS
			1000~26500	-3.19	-43	≤-23.19	PASS
		2452	Reference	-7.46	-7.46	---	PASS
			30~1000	-7.46	-52.34	≤-27.46	PASS
			1000~26500	-7.46	-42.56	≤-27.46	PASS