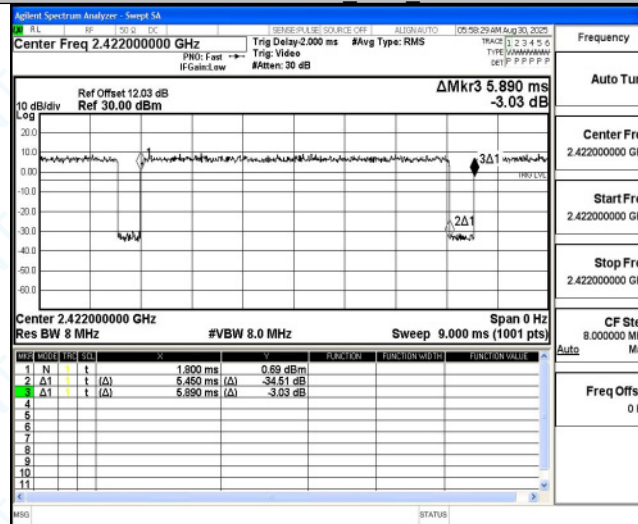
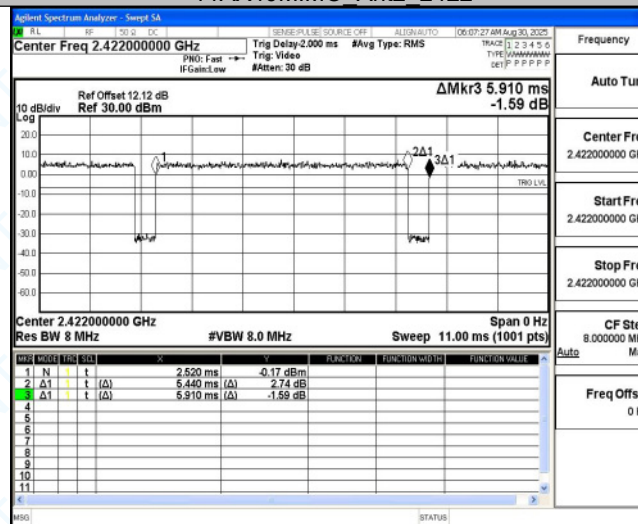




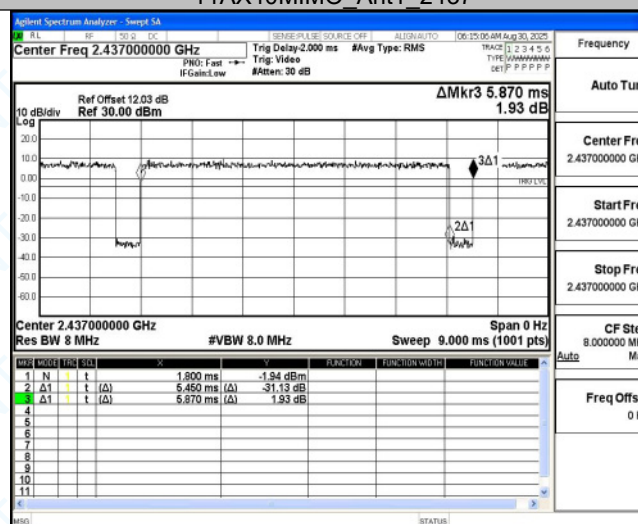
11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422

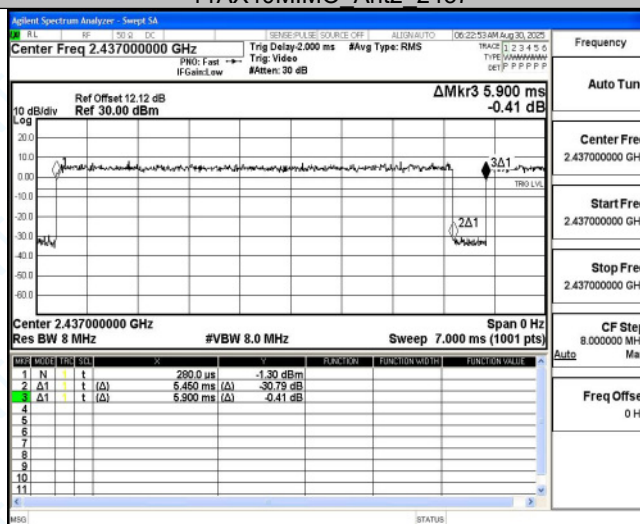


11AX40MIMO_Ant1_2437

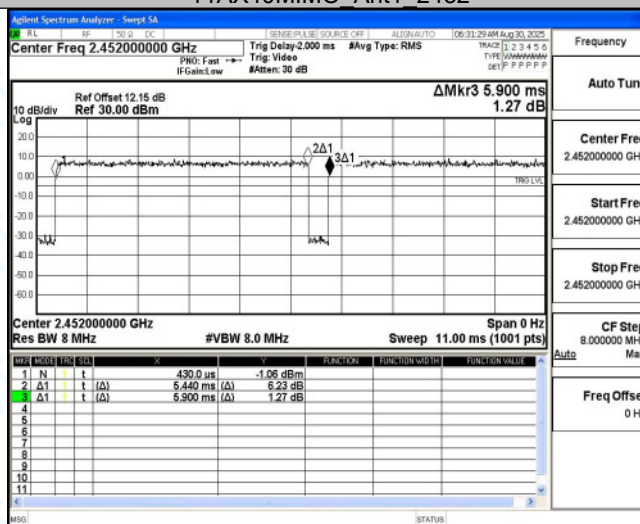




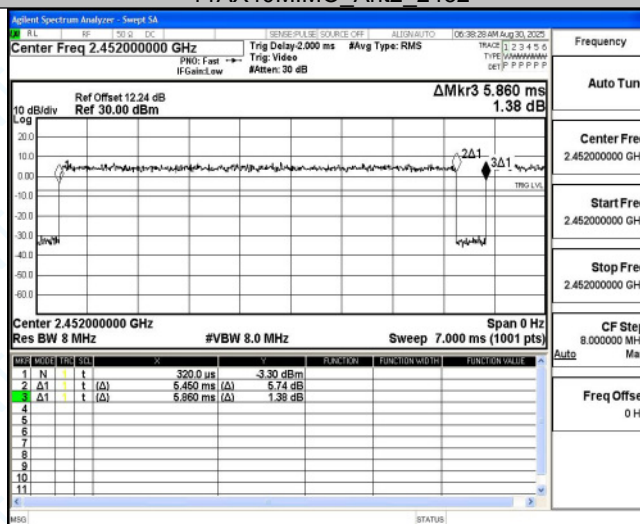
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452





Appendix B: DTS Bandwidth

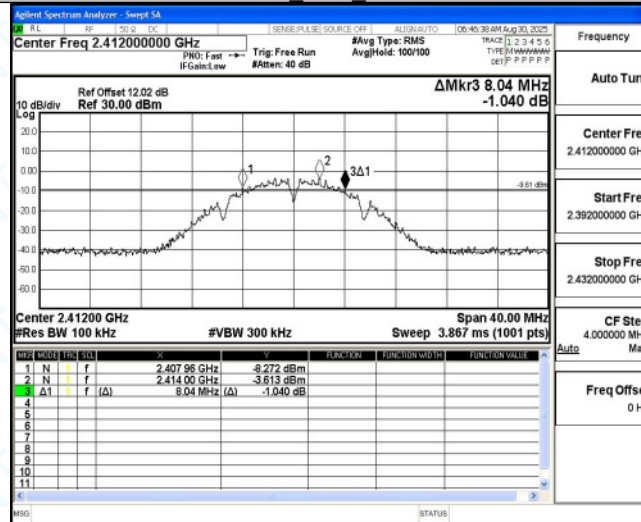
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.040	2407.960	2416.000	0.5	PASS
	Ant2	2412	7.560	2408.000	2415.560	0.5	PASS
	Ant1	2437	7.600	2433.440	2441.040	0.5	PASS
	Ant2	2437	8.040	2433.000	2441.040	0.5	PASS
	Ant1	2462	7.040	2458.480	2465.520	0.5	PASS
	Ant2	2462	7.760	2458.240	2466.000	0.5	PASS
11G	Ant1	2412	11.240	2405.760	2417.000	0.5	PASS
	Ant2	2412	12.640	2405.680	2418.320	0.5	PASS
	Ant1	2437	15.040	2429.480	2444.520	0.5	PASS
	Ant2	2437	15.040	2429.480	2444.520	0.5	PASS
	Ant1	2462	11.320	2455.720	2467.040	0.5	PASS
	Ant2	2462	10.160	2458.160	2468.320	0.5	PASS
11N20MIMO	Ant1	2412	8.120	2407.880	2416.000	0.5	PASS
	Ant2	2412	13.760	2405.760	2419.520	0.5	PASS
	Ant1	2437	14.960	2429.560	2444.520	0.5	PASS
	Ant2	2437	13.720	2429.560	2443.280	0.5	PASS
	Ant1	2462	12.600	2454.480	2467.080	0.5	PASS
	Ant2	2462	7.760	2458.240	2466.000	0.5	PASS
11N40MIMO	Ant1	2422	27.280	2409.760	2437.040	0.5	PASS
	Ant2	2422	32.480	2405.760	2438.240	0.5	PASS
	Ant1	2437	32.880	2421.640	2454.520	0.5	PASS
	Ant2	2437	29.440	2421.960	2451.400	0.5	PASS
	Ant1	2452	32.480	2434.560	2467.040	0.5	PASS
	Ant2	2452	27.440	2437.040	2464.480	0.5	PASS
11AX20MIMO	Ant1	2412	15.240	2404.280	2419.520	0.5	PASS
	Ant2	2412	14.920	2404.640	2419.560	0.5	PASS
	Ant1	2437	15.400	2429.080	2444.480	0.5	PASS
	Ant2	2437	11.480	2430.800	2442.280	0.5	PASS
	Ant1	2462	16.960	2453.480	2470.440	0.5	PASS
	Ant2	2462	11.320	2454.480	2465.800	0.5	PASS
11AX40MIMO	Ant1	2422	33.200	2406.000	2439.200	0.5	PASS
	Ant2	2422	19.520	2413.120	2432.640	0.5	PASS
	Ant1	2437	32.880	2421.640	2454.520	0.5	PASS
	Ant2	2437	26.720	2423.960	2450.680	0.5	PASS
	Ant1	2452	28.240	2436.640	2464.880	0.5	PASS
	Ant2	2452	30.000	2435.760	2465.760	0.5	PASS

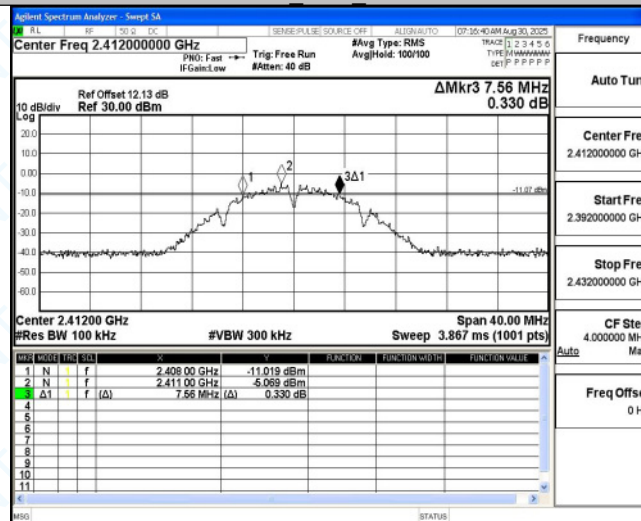


Test Graphs

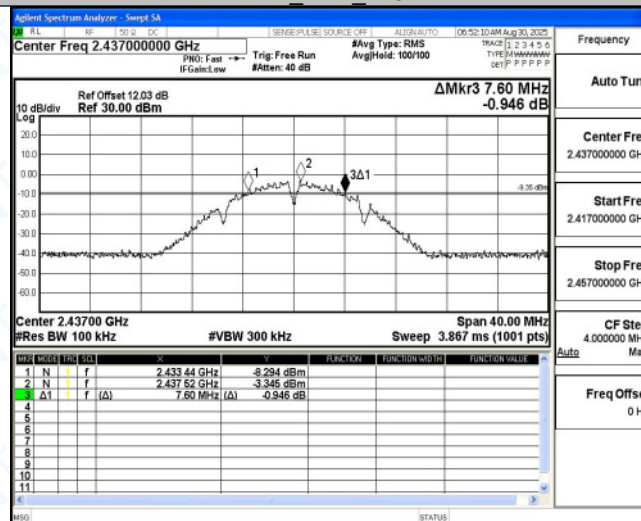
11B Ant1 2412



11B Ant2 2412

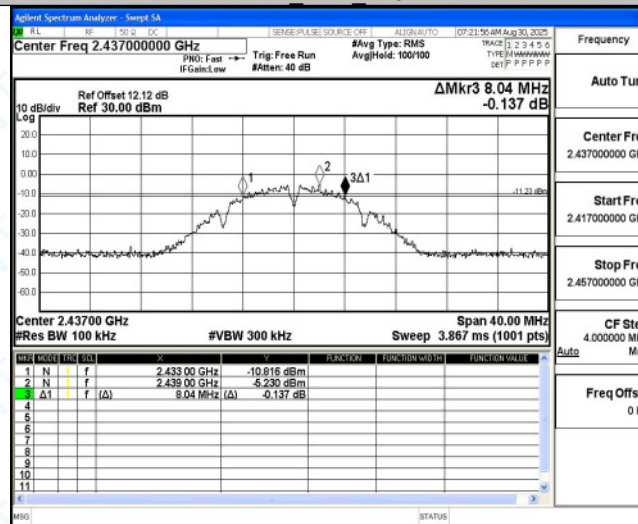


11B Ant1 2437

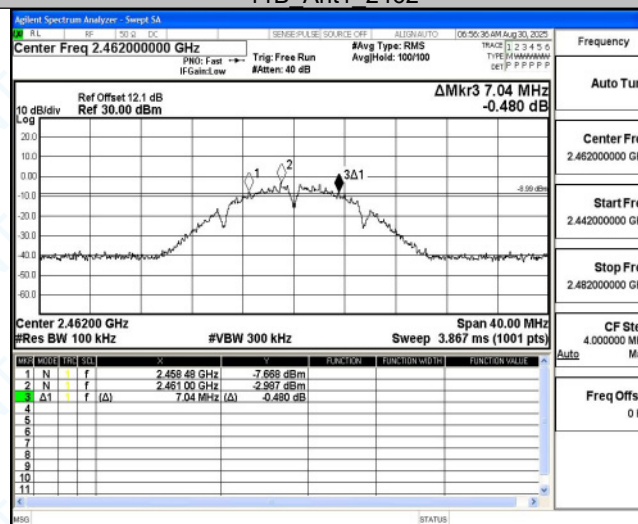




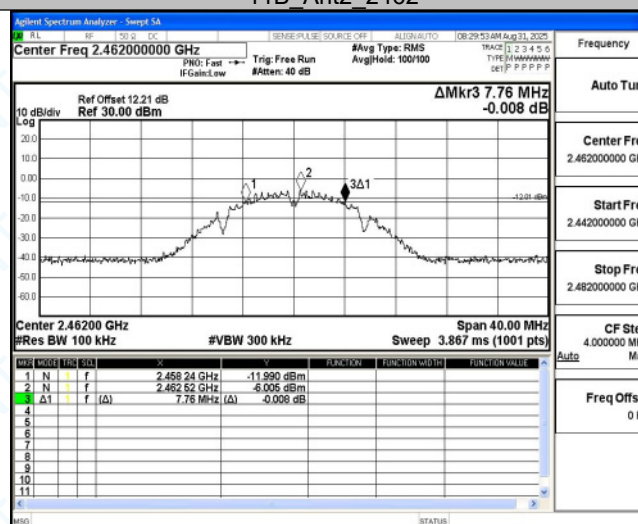
11B_Ant2_2437



11B_Ant1_2462

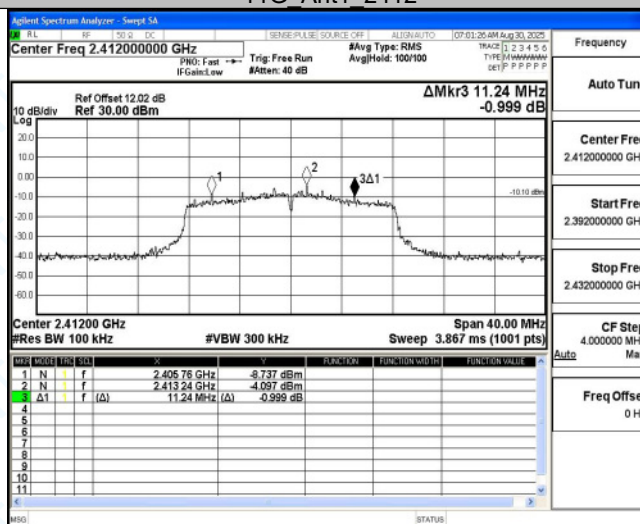


11B_Ant2_2462

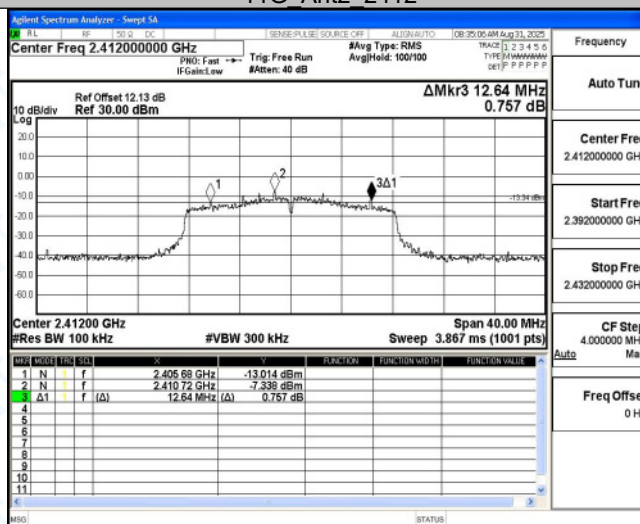




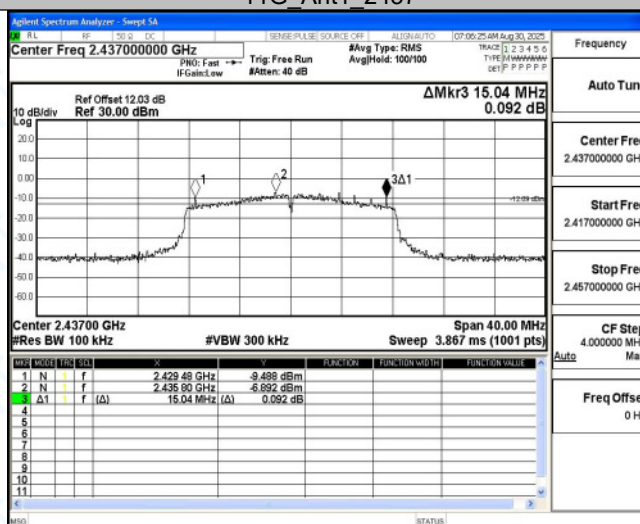
11G_Ant1_2412



11G_Ant2_2412

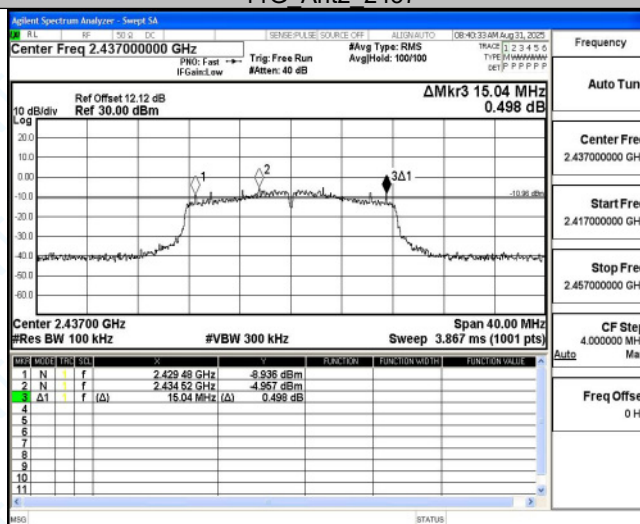


11G_Ant1_2437

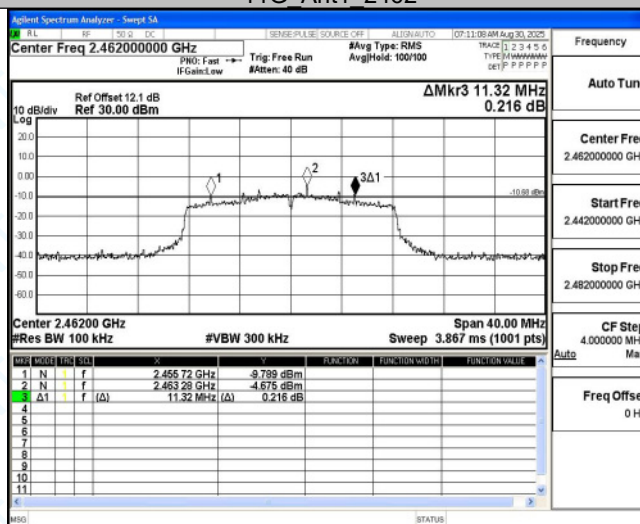




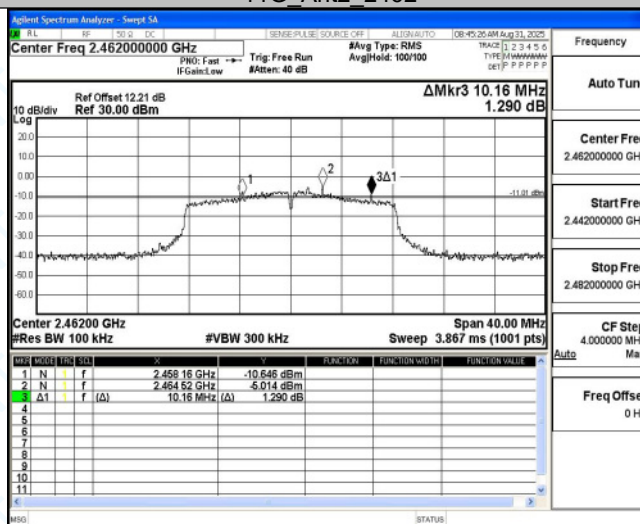
11G_Ant2_2437



11G_Ant1_2462

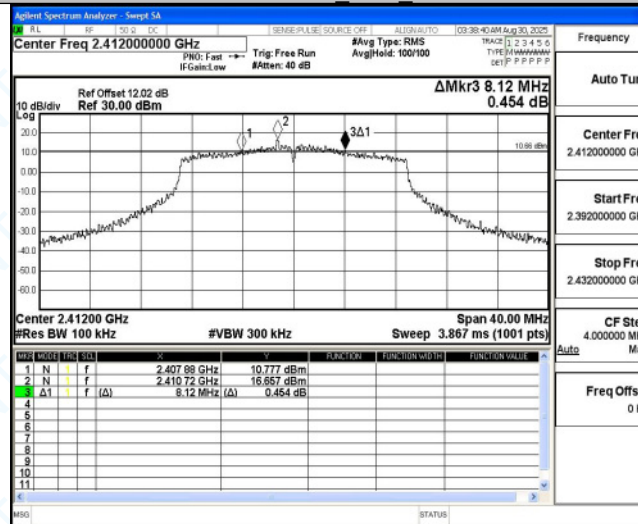


11G_Ant2_2462

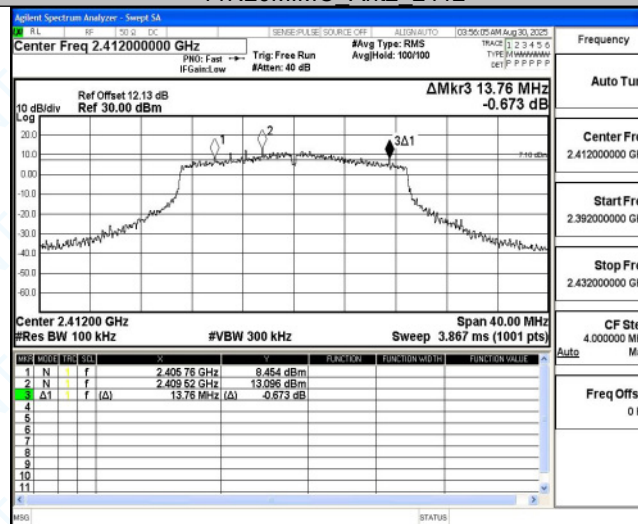




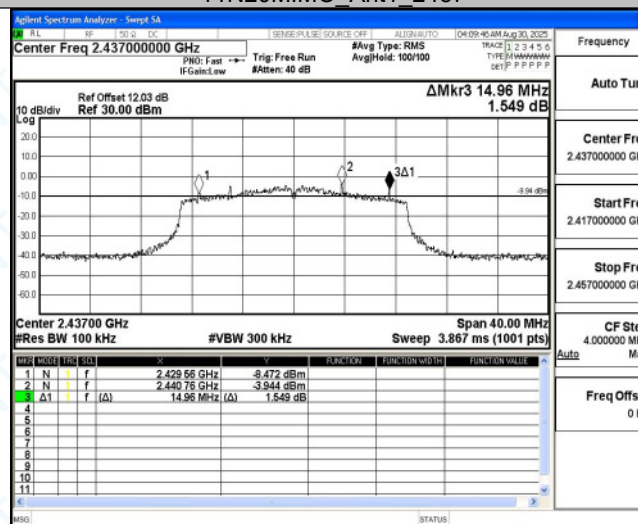
11N20MIMO Ant1 2412



11N20MIMO Ant2 2412

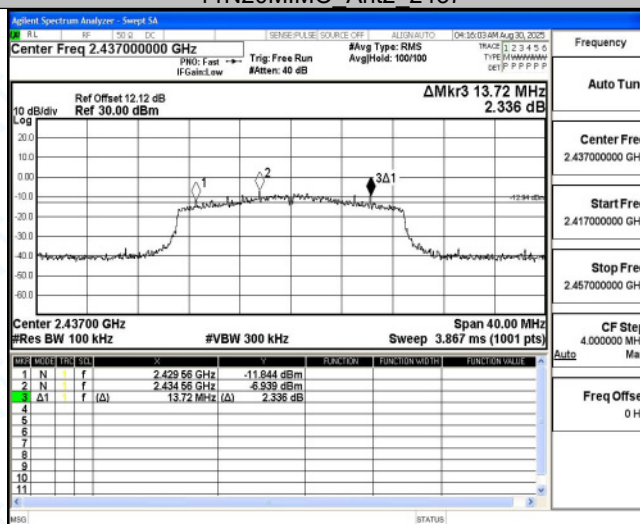


11N20MIMO Ant1 2437

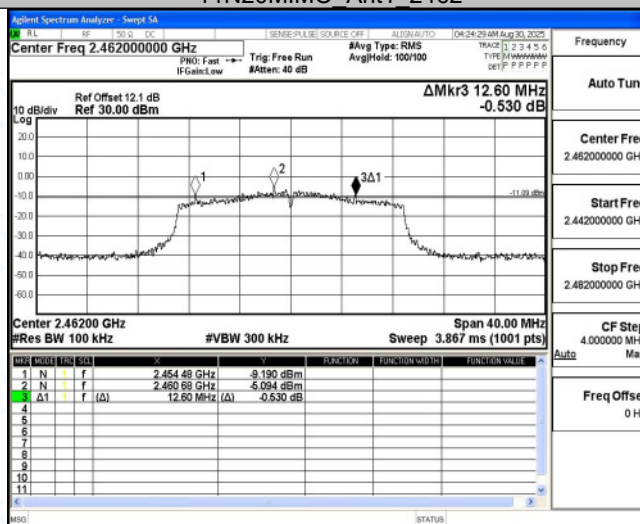




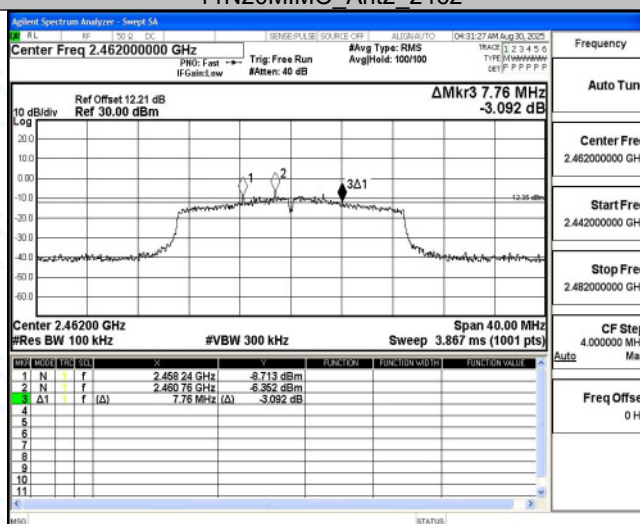
11N20MIMO Ant2 2437



11N20MIMO Ant1 2462

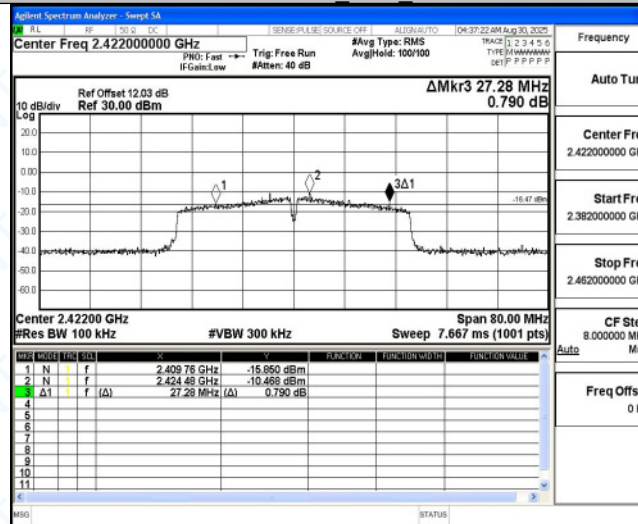


11N20MIMO Ant2 2462

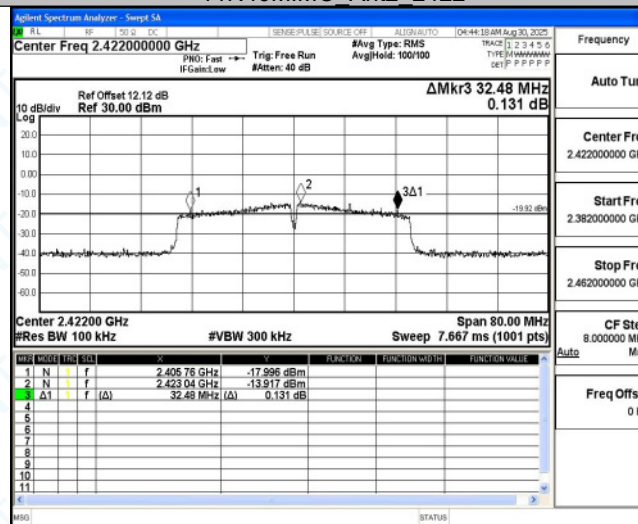




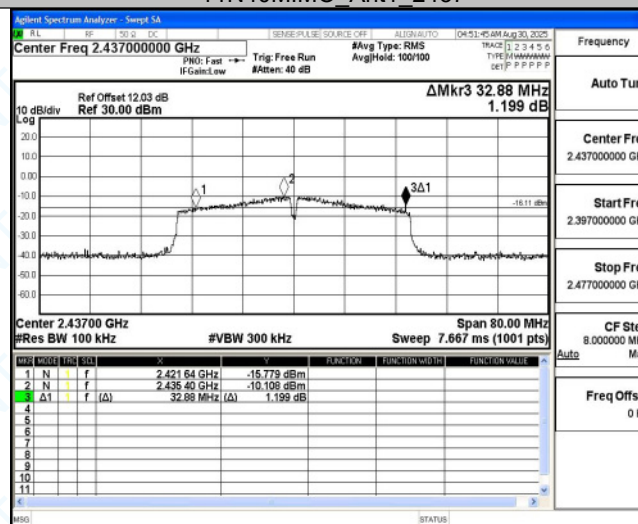
11N40MIMO Ant1 2422



11N40MIMO Ant2 2422

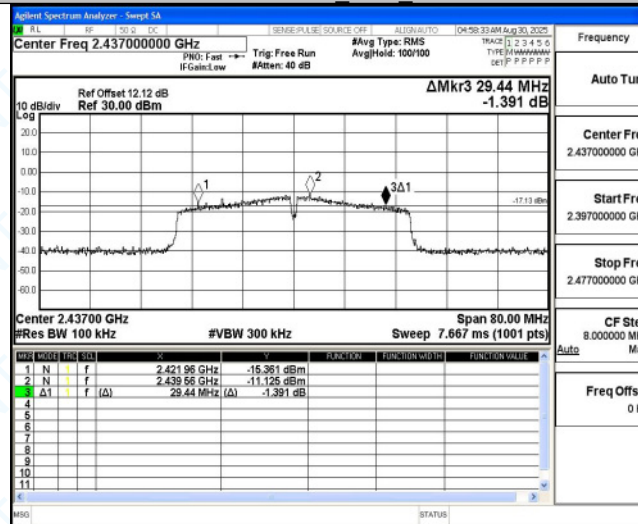


11N40MIMO Ant1 2437

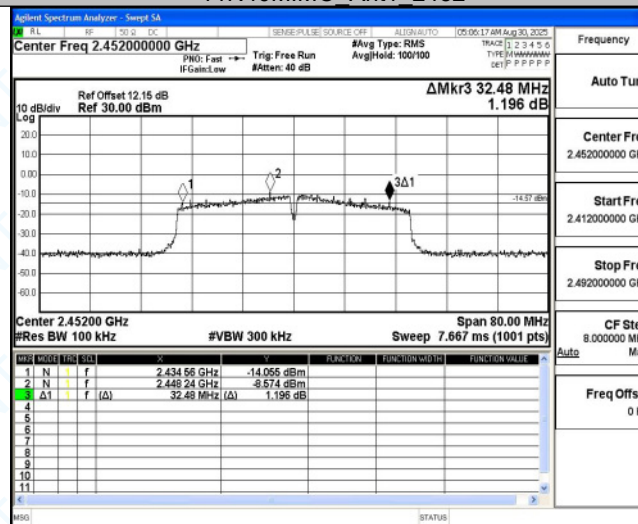




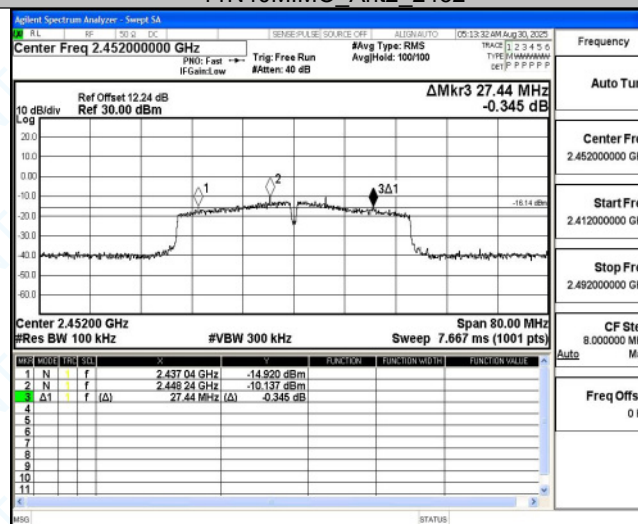
11N40MIMO Ant2 2437



11N40MIMO Ant1 2452

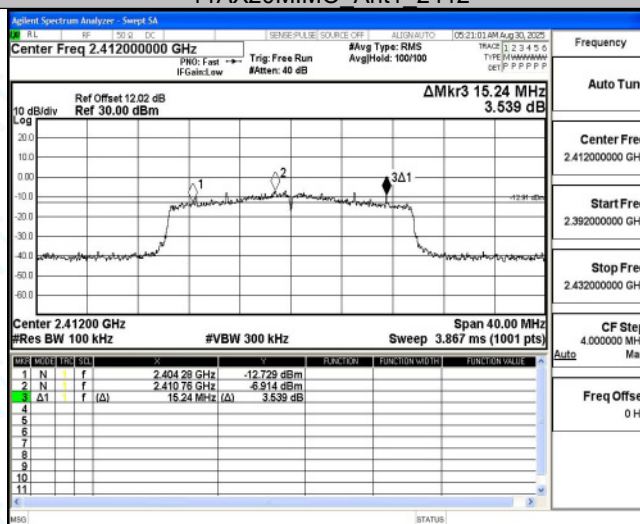


11N40MIMO Ant2 2452

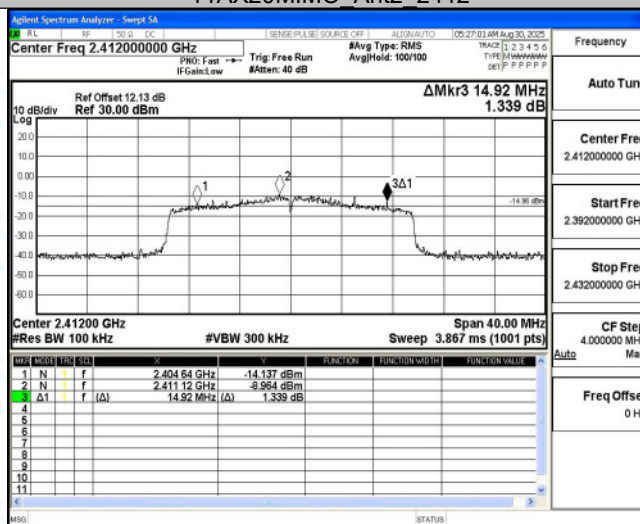




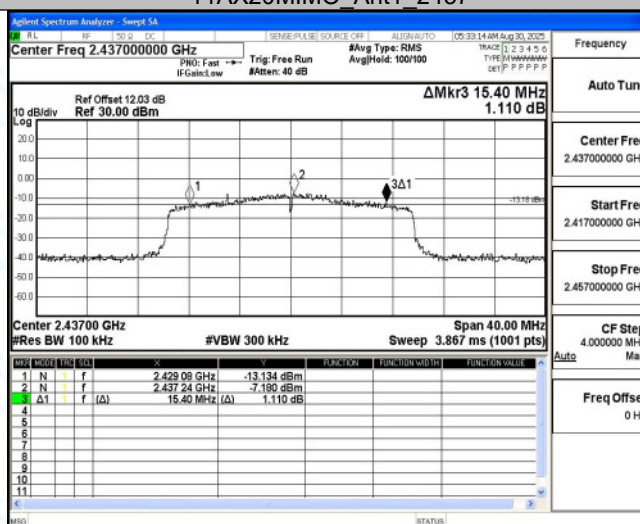
11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412

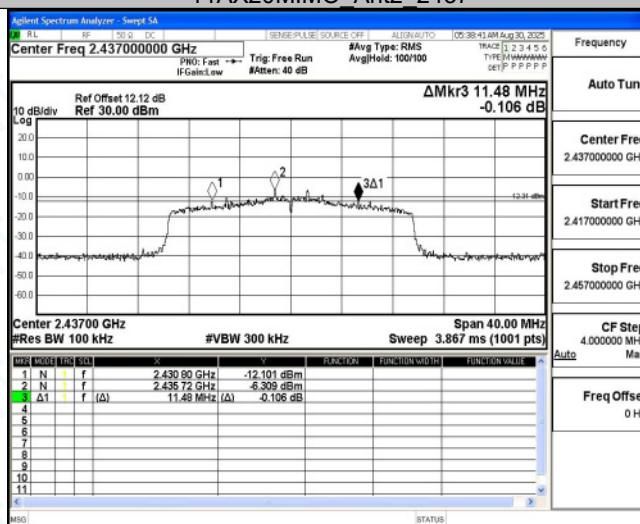


11AX20MIMO_Ant1_2437

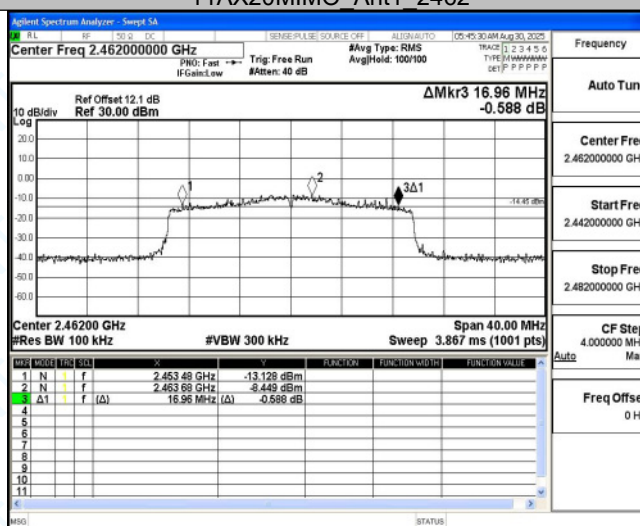




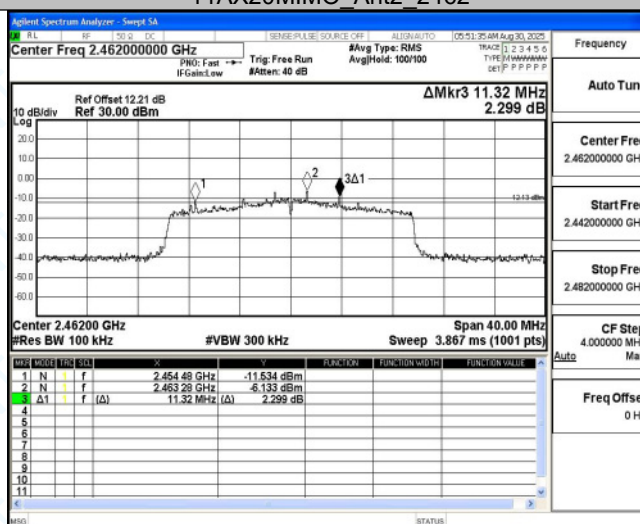
11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462

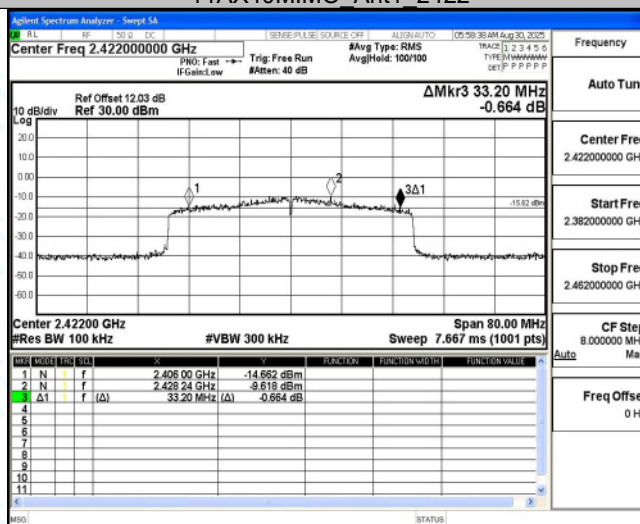


11AX20MIMO_Ant2_2462

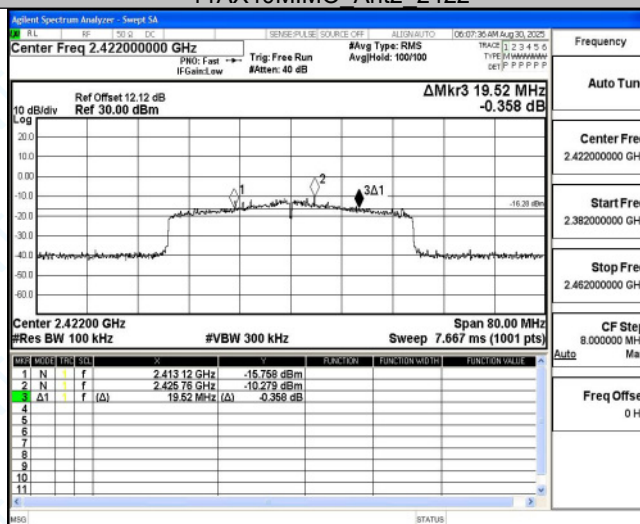




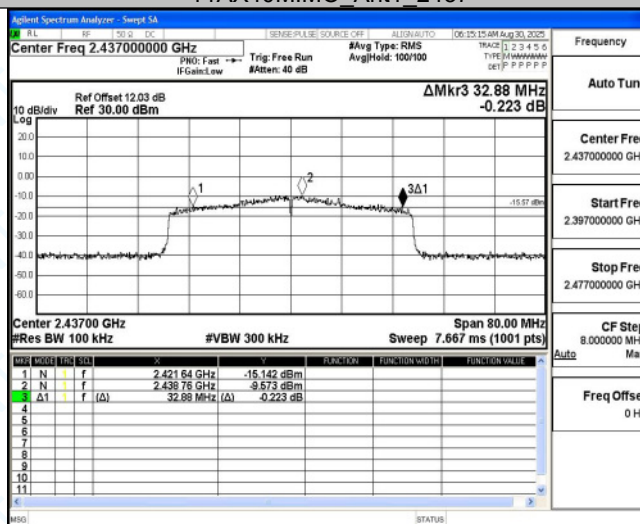
11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422

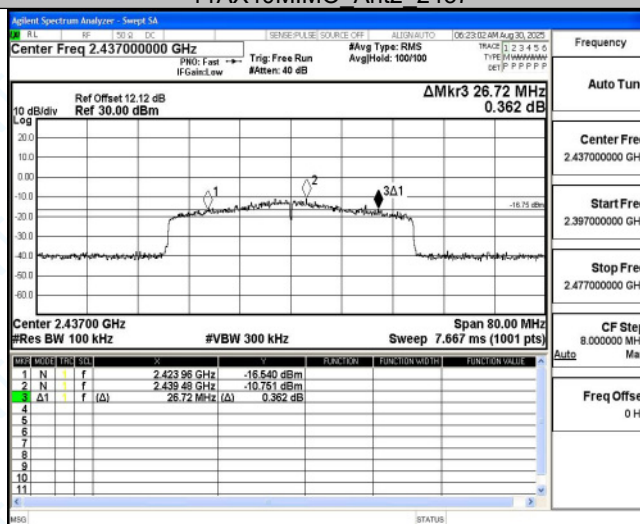


11AX40MIMO_Ant1_2437

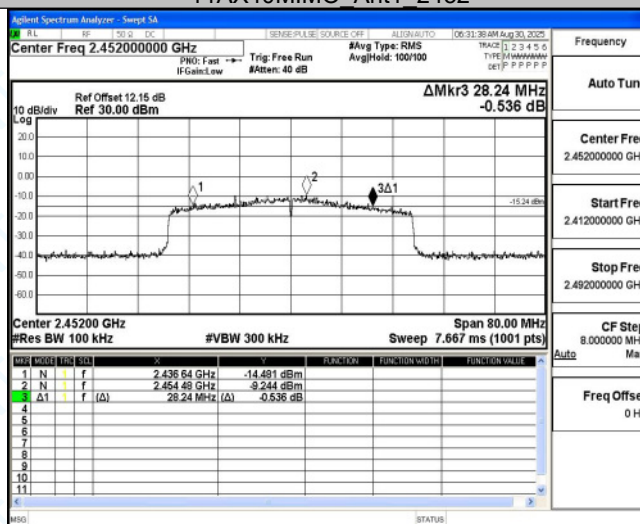




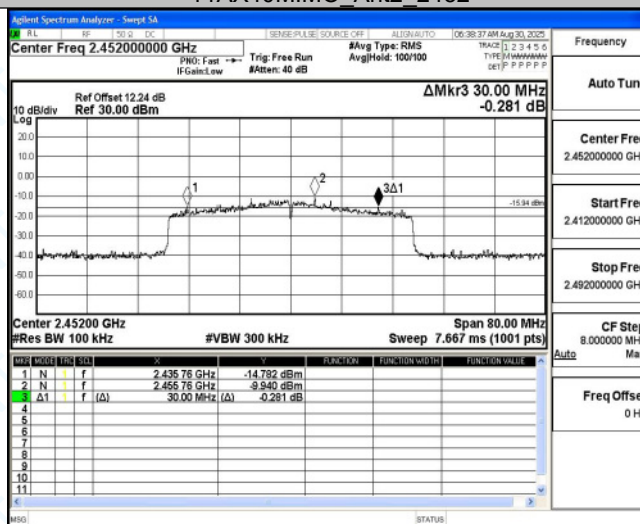
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



**Appendix C: Maximum conducted output power****Test Result**

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	13.49	65.35	1.85	15.34	≤26.00	PASS
	Ant2	2412	11.45	55.93	2.52	13.97	≤26.00	PASS
	Ant1	2437	13.52	56.30	2.49	16.01	≤26.00	PASS
	Ant2	2437	11.65	56.78	2.46	14.11	≤26.00	PASS
	Ant1	2462	12.88	57.76	2.38	15.26	≤26.00	PASS
	Ant2	2462	10.78	64.71	1.89	12.67	≤26.00	PASS
11G	Ant1	2412	13.94	94.71	0.24	14.18	≤26.00	PASS
	Ant2	2412	11.58	93.84	0.28	11.86	≤26.00	PASS
	Ant1	2437	14.16	91.67	0.38	14.54	≤26.00	PASS
	Ant2	2437	15.04	95.65	0.19	15.23	≤26.00	PASS
	Ant1	2462	13.39	94.74	0.23	13.62	≤26.00	PASS
	Ant2	2462	11.58	93.36	0.30	11.88	≤26.00	PASS
11N20M IMO	Ant1	2412	12.81	91.57	0.38	13.19	≤26.00	PASS
	Ant2	2412	11.79	91.25	0.40	12.19	≤26.00	PASS
	total	2412	---	---	---	16.65	≤26.00	PASS
	Ant1	2437	16.49	92.65	0.33	16.82	≤26.00	PASS
	Ant2	2437	13.08	91.57	0.38	13.46	≤26.00	PASS
	total	2437	---	---	---	18.47	≤26.00	PASS
	Ant1	2462	14.35	91.86	0.37	14.72	≤26.00	PASS
	Ant2	2462	12.58	92.50	0.34	12.92	≤26.00	PASS
	total	2462	---	---	---	16.92	≤26.00	PASS
11N40M IMO	Ant1	2422	12.1	90.33	0.44	12.54	≤26.00	PASS
	Ant2	2422	10.08	92.35	0.35	10.43	≤26.00	PASS
	total	2422	---	---	---	14.62	≤26.00	PASS
	Ant1	2437	14.12	90.82	0.42	14.54	≤26.00	PASS
	Ant2	2437	12.22	89.44	0.48	12.70	≤26.00	PASS
	total	2437	---	---	---	16.73	≤26.00	PASS
	Ant1	2452	13.96	90.20	0.45	14.41	≤26.00	PASS
	Ant2	2452	12.18	90.03	0.46	12.64	≤26.00	PASS
	total	2452	---	---	---	16.62	≤26.00	PASS
11AX20 MIMO	Ant1	2412	13.98	92.37	0.34	14.32	≤26.00	PASS
	Ant2	2412	11.98	91.74	0.37	12.35	≤26.00	PASS
	total	2412	---	---	---	16.46	≤26.00	PASS
	Ant1	2437	14.14	92.84	0.32	14.46	≤26.00	PASS
	Ant2	2437	12.1	92.83	0.32	12.42	≤26.00	PASS
	total	2437	---	---	---	16.57	≤26.00	PASS
	Ant1	2462	13.27	91.89	0.37	13.64	≤26.00	PASS
	Ant2	2462	11.59	92.83	0.32	11.91	≤26.00	PASS
	total	2462	---	---	---	15.87	≤26.00	PASS
11AX40 MIMO	Ant1	2422	14.31	92.53	0.34	14.65	≤26.00	PASS
	Ant2	2422	12.18	92.05	0.36	12.54	≤26.00	PASS
	total	2422	---	---	---	16.73	≤26.00	PASS
	Ant1	2437	14.26	92.84	0.32	14.58	≤26.00	PASS
	Ant2	2437	12.33	92.37	0.34	12.67	≤26.00	PASS
	total	2437	---	---	---	16.74	≤26.00	PASS
	Ant1	2452	14.09	92.20	0.35	14.44	≤26.00	PASS
	Ant2	2452	12.17	93.00	0.32	12.49	≤26.00	PASS
	total	2452	---	---	---	16.58	≤26.00	PASS

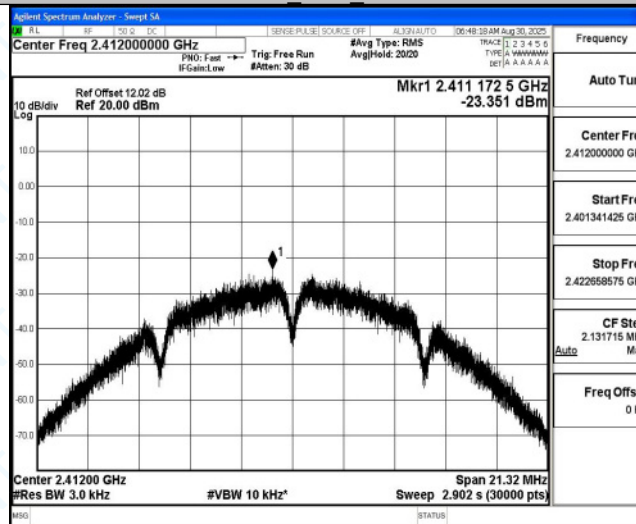
**Appendix D: Maximum power spectral density****Test Result**

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	DC Factor	Result {dBm}	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-21.50	1.85	-19.65	≤4.00	PASS
	Ant2	2412	-23.16	2.52	-20.64	≤4.00	PASS
	Ant1	2437	-21.67	2.49	-19.18	≤4.00	PASS
	Ant2	2437	-22.80	2.46	-20.34	≤4.00	PASS
	Ant1	2462	-22.03	2.38	-19.65	≤4.00	PASS
	Ant2	2462	-18.54	1.89	-16.65	≤4.00	PASS
11G	Ant1	2412	-25.28	0.24	-25.04	≤4.00	PASS
	Ant2	2412	-27.96	0.28	-27.68	≤4.00	PASS
	Ant1	2437	-25.20	0.38	-24.82	≤4.00	PASS
	Ant2	2437	-24.65	0.19	-25.01	≤4.00	PASS
	Ant1	2462	-26.08	0.23	-24.42	≤4.00	PASS
	Ant2	2462	-25.13	0.30	-25.78	≤4.00	PASS
11N20MIMO	Ant1	2412	-6.57	0.38	-6.19	≤4.00	PASS
	Ant2	2412	-5.87	0.40	-5.47	≤4.00	PASS
	total	2412	---	---	-2.80	≤4.00	PASS
	Ant1	2437	-14.06	0.33	-13.73	≤4.00	PASS
	Ant2	2437	-14.86	0.38	-14.48	≤4.00	PASS
	total	2437	---	---	-11.08	≤4.00	PASS
	Ant1	2462	-26.06	0.37	-25.69	≤4.00	PASS
	Ant2	2462	-28.04	0.34	-27.7	≤4.00	PASS
11N40MIMO	total	2462	---	---	-23.57	≤4.00	PASS
	Ant1	2422	-31.41	0.44	-30.97	≤4.00	PASS
	Ant2	2422	-33.55	0.35	-33.2	≤4.00	PASS
	total	2422	---	---	-28.93	≤4.00	PASS
	Ant1	2437	-28.36	0.42	-27.94	≤4.00	PASS
	Ant2	2437	-30.75	0.48	-30.27	≤4.00	PASS
	total	2437	---	---	-25.94	≤4.00	PASS
	Ant1	2452	-29.54	0.45	-29.09	≤4.00	PASS
11AX20MIMO	Ant2	2452	-31.55	0.46	-31.09	≤4.00	PASS
	total	2452	---	---	-25.94	≤4.00	PASS
	Ant1	2412	-27.91	0.34	-27.57	≤4.00	PASS
	Ant2	2412	-29.78	0.37	-29.41	≤4.00	PASS
	total	2412	---	---	-25.38	≤4.00	PASS
	Ant1	2437	-27.58	0.32	-27.26	≤4.00	PASS
	Ant2	2437	-29.42	0.32	-29.1	≤4.00	PASS
	total	2437	---	---	-25.07	≤4.00	PASS
11AX40MIMO	Ant1	2462	-28.11	0.37	-27.74	≤4.00	PASS
	Ant2	2462	-30.43	0.32	-30.11	≤4.00	PASS
	total	2462	---	---	-25.75	≤4.00	PASS
	Ant1	2422	-30.00	0.34	-29.66	≤4.00	PASS
	Ant2	2422	-32.31	0.36	-31.95	≤4.00	PASS
	total	2422	---	---	-27.65	≤4.00	PASS
	Ant1	2437	-29.44	0.32	-29.12	≤4.00	PASS
	Ant2	2437	-32.42	0.34	-32.08	≤4.00	PASS
11AX40MIMO	total	2437	---	---	-27.34	≤4.00	PASS
	Ant1	2452	-30.50	0.35	-30.15	≤4.00	PASS
	Ant2	2452	-32.56	0.32	-32.24	≤4.00	PASS
	total	2452	---	---	-28.06	≤4.00	PASS

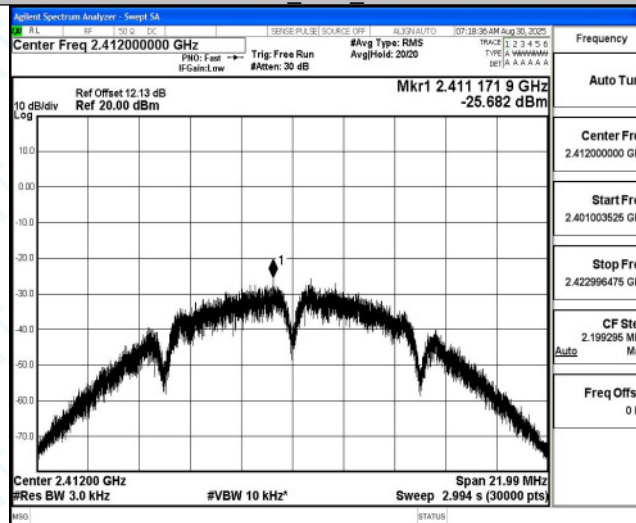


Test Graphs

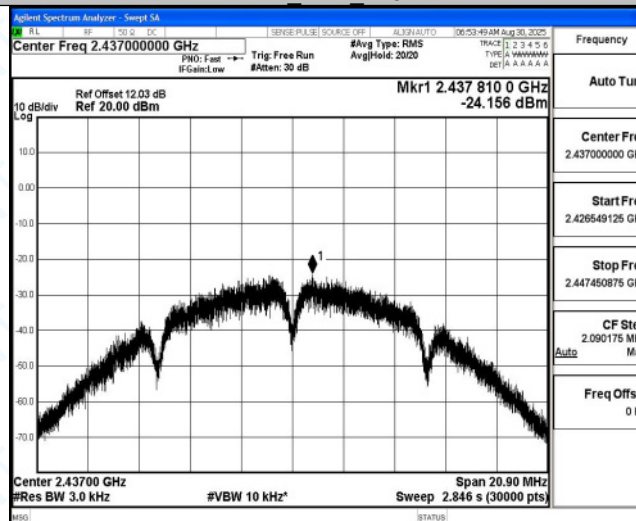
11B_Ant1_2412



11B_Ant2_2412

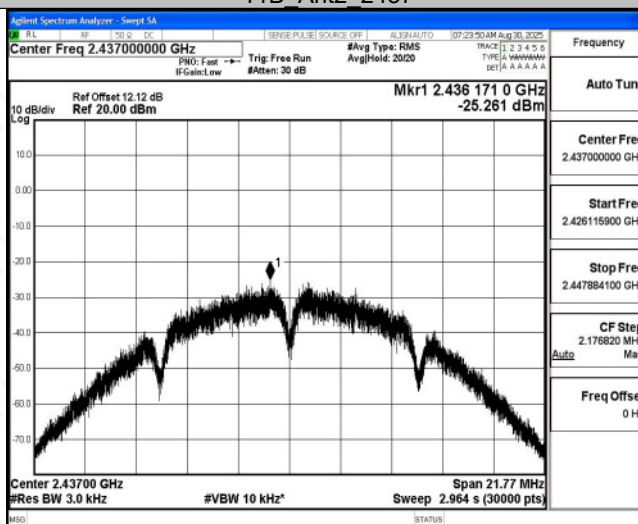


11B_Ant1_2437

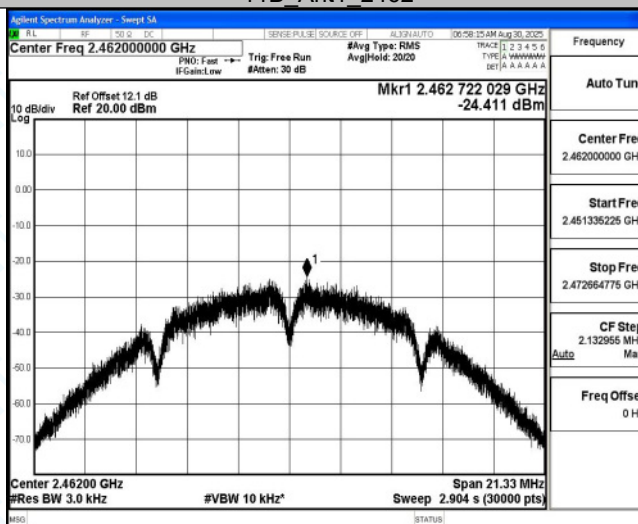




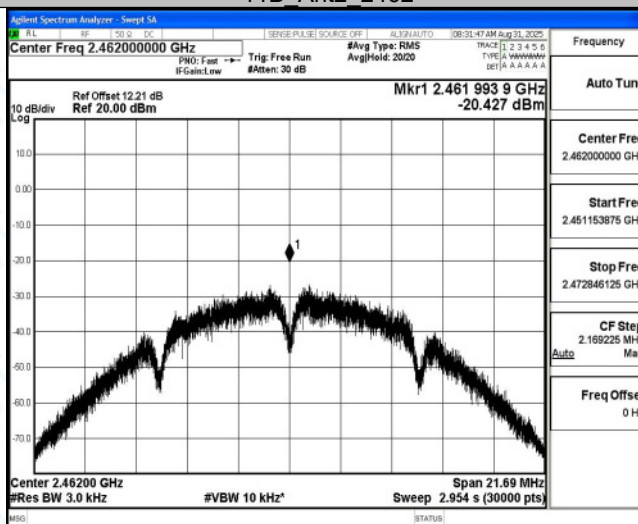
11B Ant2 2437



11B Ant1 2462

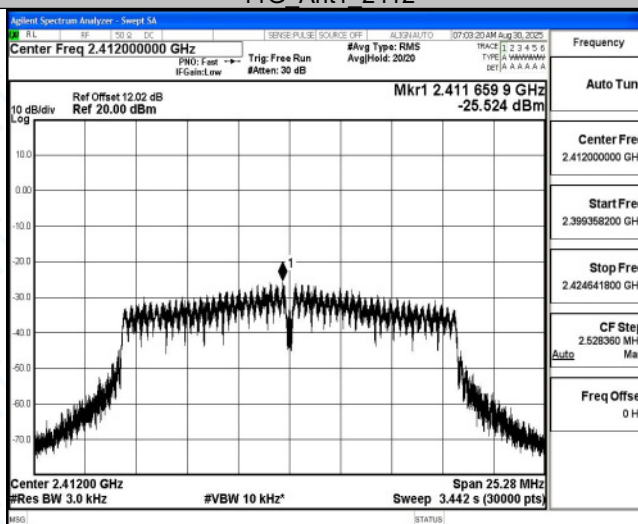


11B Ant2 2462

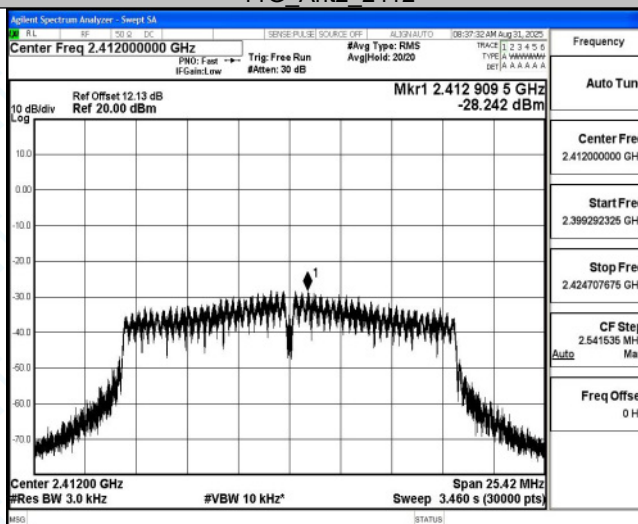




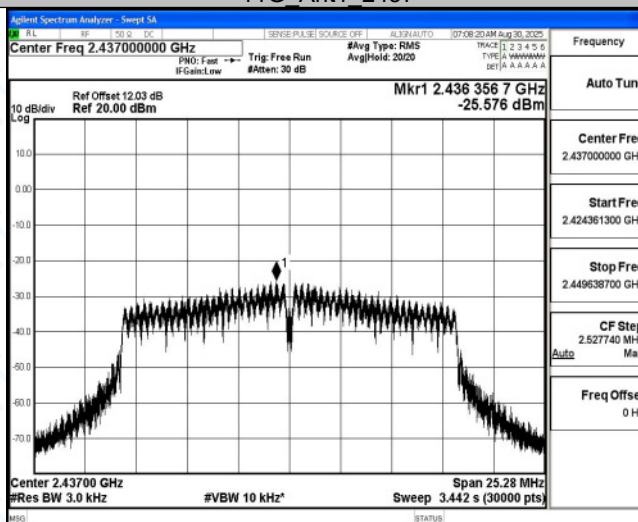
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11G_Ant2_2412

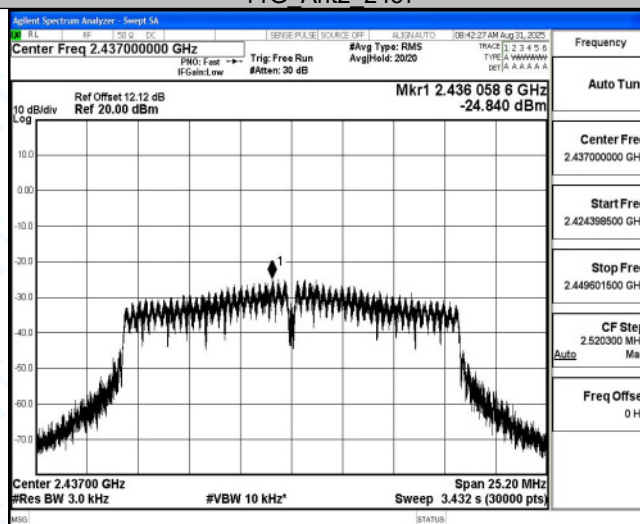


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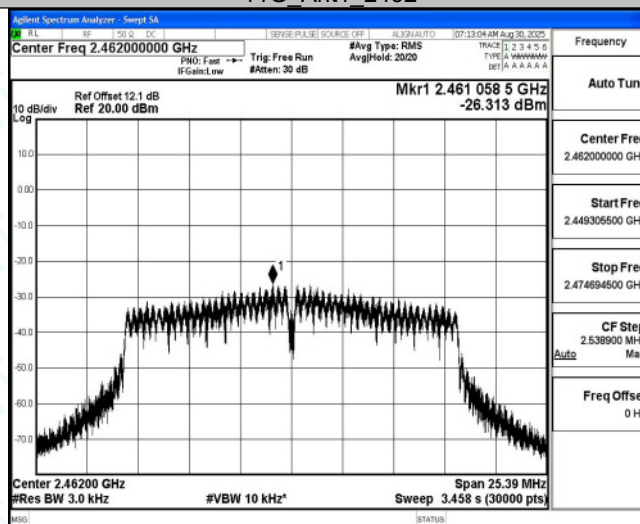




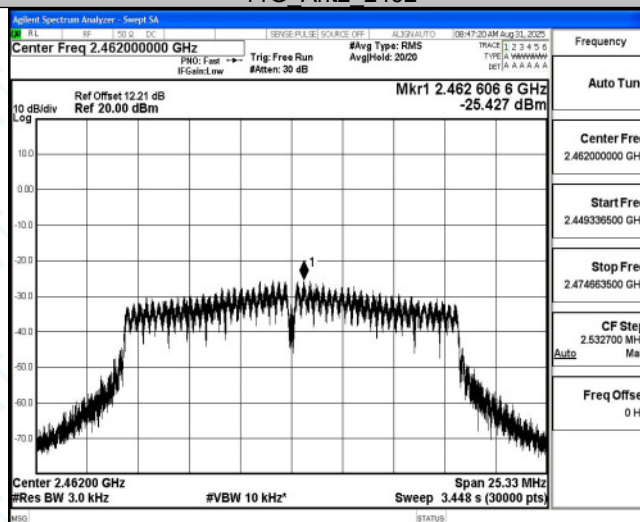
11G Ant2 2437



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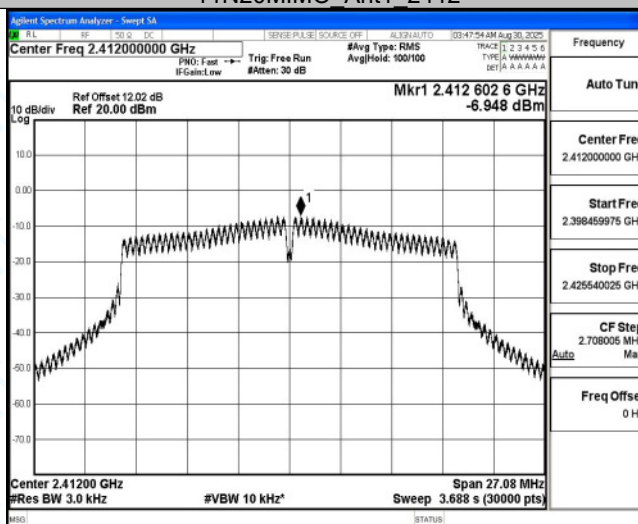


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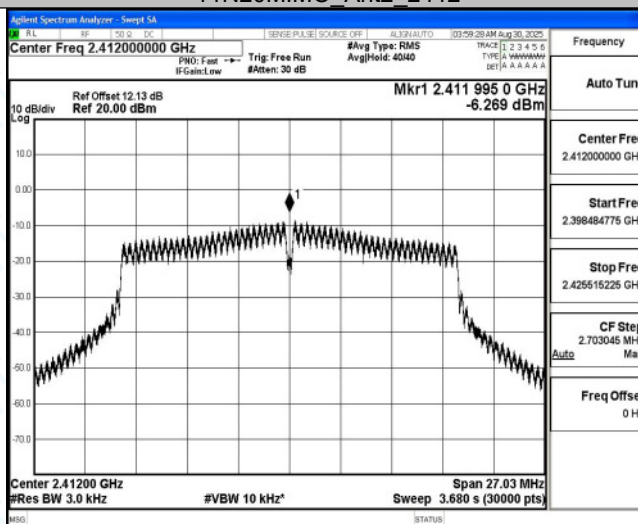




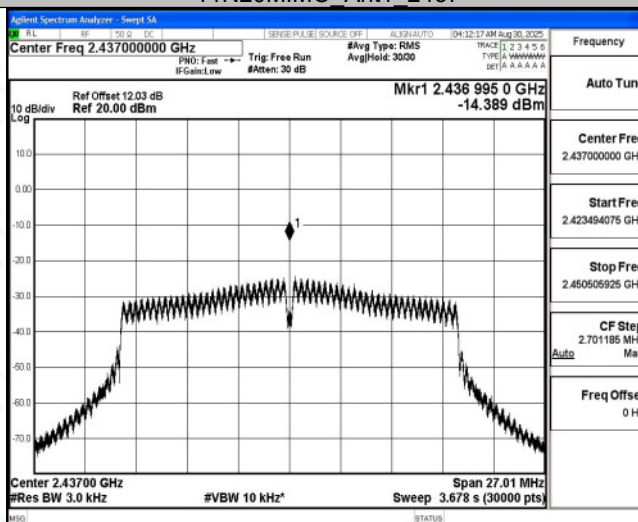
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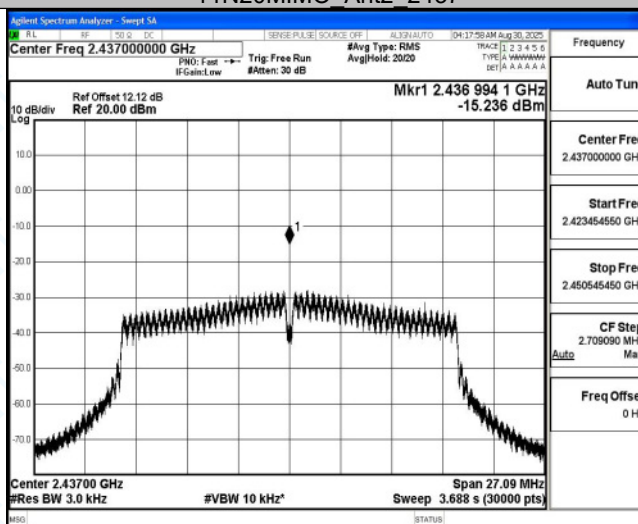


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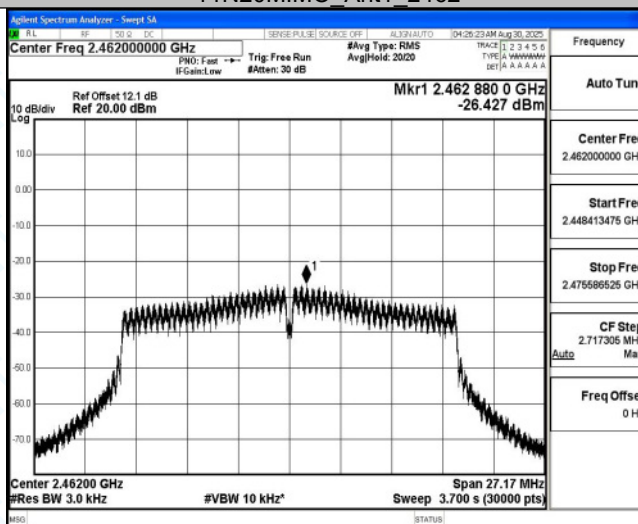




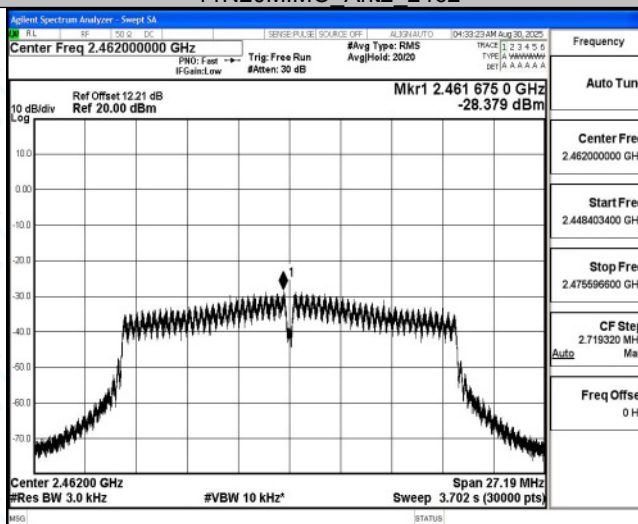
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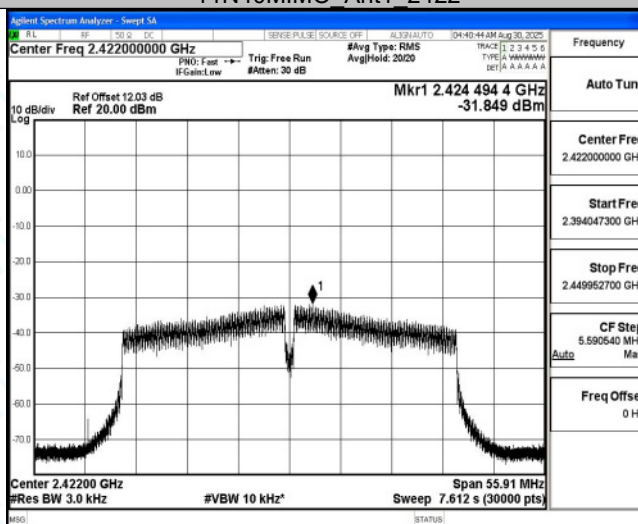


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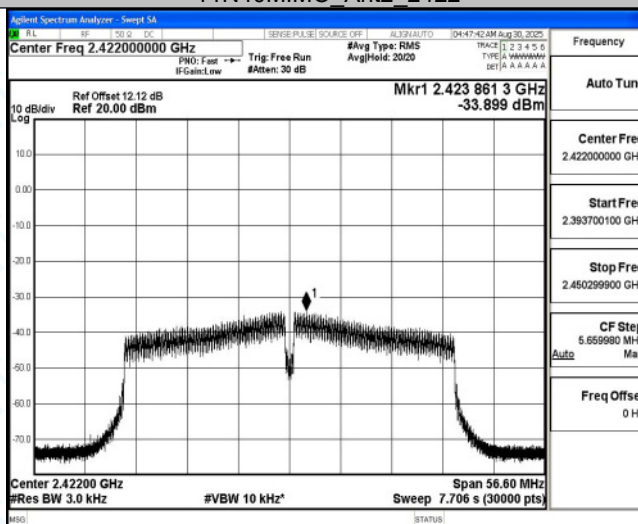




11N40MIMO Ant1 2422



11N40MIMO Ant2 2422



11N40MIMO Ant1 2437

