



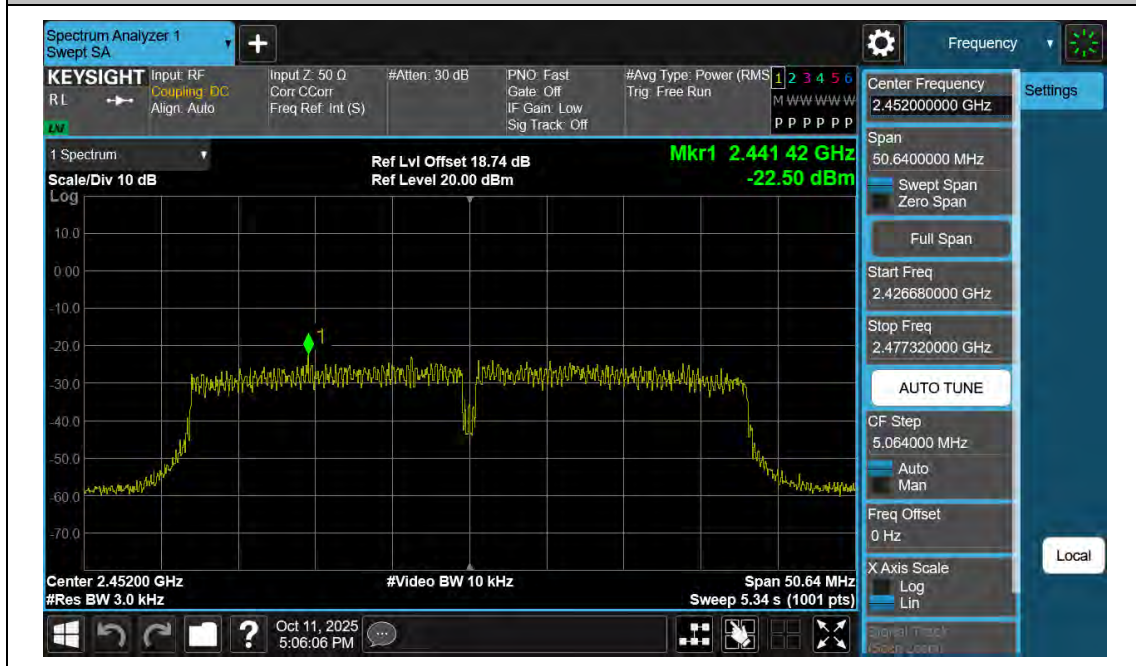
11N40MIMO-Ant2-2437-PASS



11N40MIMO-Ant1-2452-PASS



11N40MIMO-Ant2-2452-PASS

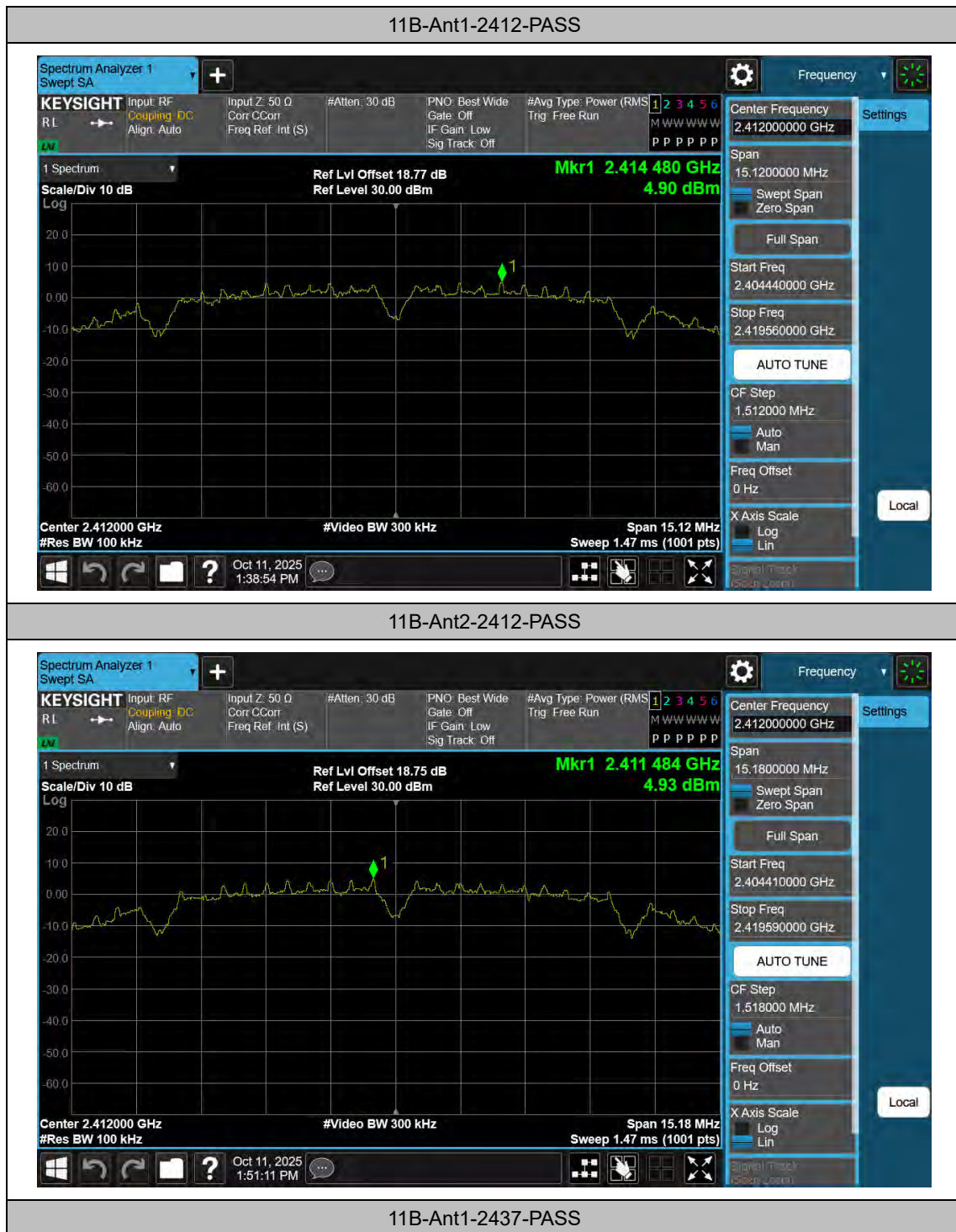


Appendix D: Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2414.48	4.90
11B	Ant2	2412	2411.48	4.93
11B	Ant1	2437	2438.48	4.41
11B	Ant2	2437	2437.47	4.47
11B	Ant1	2462	2463.99	5.52
11B	Ant2	2462	2460.47	5.20
11G	Ant1	2412	2414.49	-1.21
11G	Ant2	2412	2410.72	-1.54
11G	Ant1	2437	2441.99	-2.00
11G	Ant2	2437	2441.99	-2.15
11G	Ant1	2462	2459.52	-1.90
11G	Ant2	2462	2458.24	-2.18
11N20MIMO	Ant1	2412	2405.72	-3.90
11N20MIMO	Ant2	2412	2410.73	-5.18
11N20MIMO	Ant1	2437	2439.48	-2.60
11N20MIMO	Ant2	2437	2441.95	-5.69
11N20MIMO	Ant1	2462	2463.22	-2.49
11N20MIMO	Ant2	2462	2463.21	-5.54
11N40MIMO	Ant1	2422	2426.96	-6.48
11N40MIMO	Ant2	2422	2419.49	-8.33
11N40MIMO	Ant1	2437	2441.97	-6.27
11N40MIMO	Ant2	2437	2434.50	-8.76
11N40MIMO	Ant1	2452	2455.74	-6.07
11N40MIMO	Ant2	2452	2454.48	-8.52

Test Graphs





11B-Ant2-2437-PASS



11B-Ant1-2462-PASS



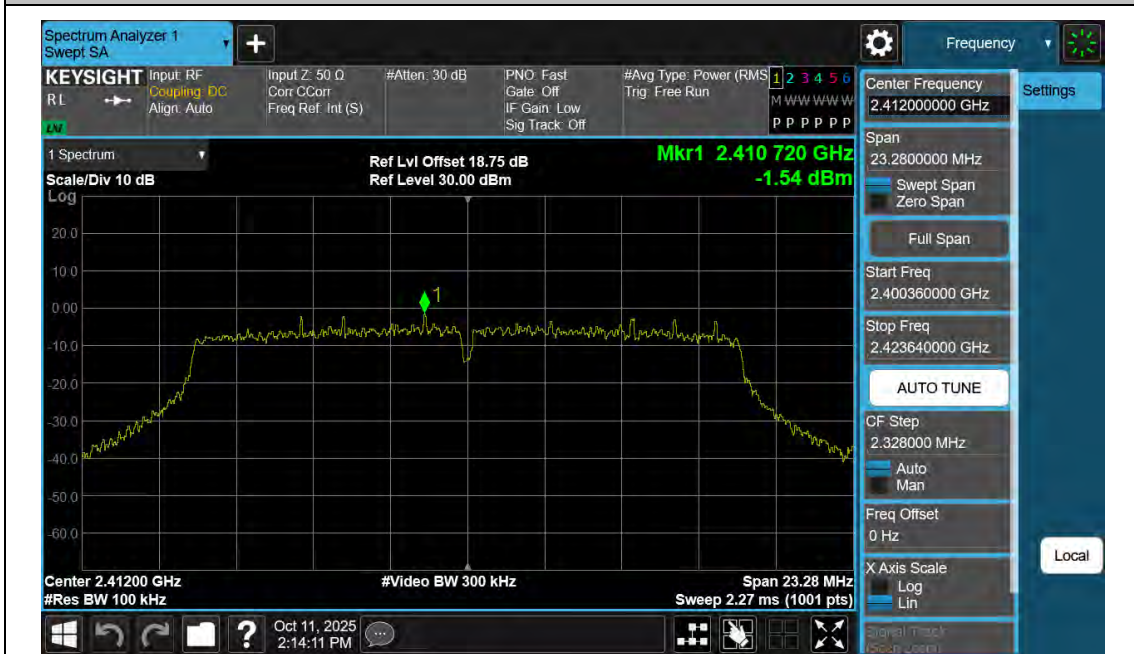
11B-Ant2-2462-PASS



11G-Ant1-2412-PASS



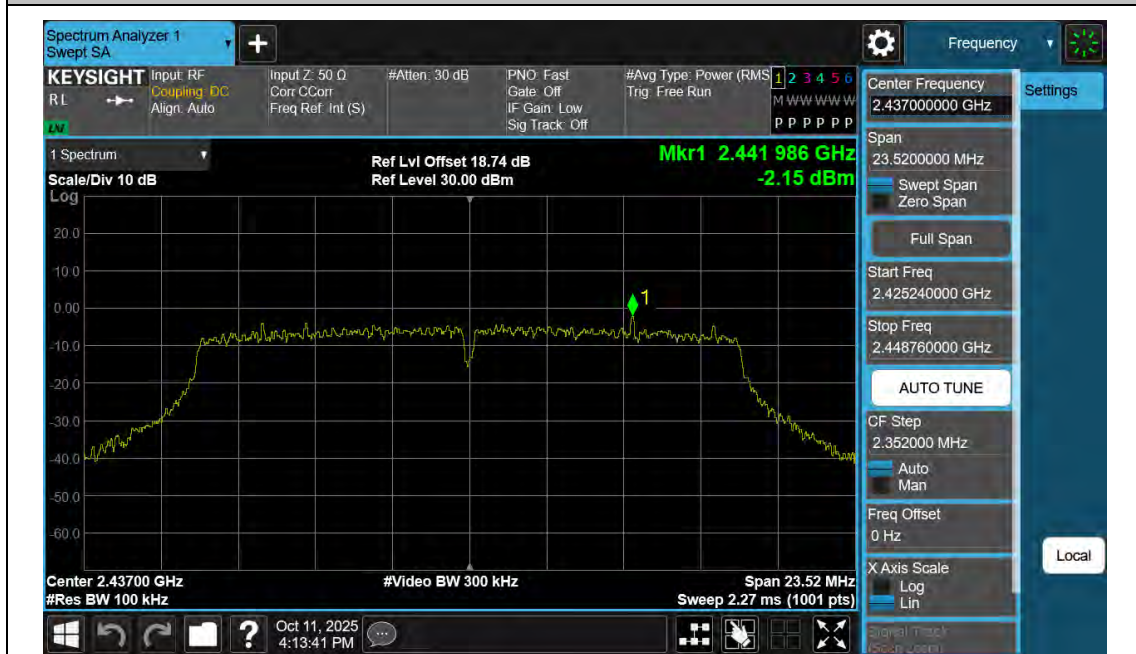
11G-Ant2-2412-PASS



11G-Ant1-2437-PASS



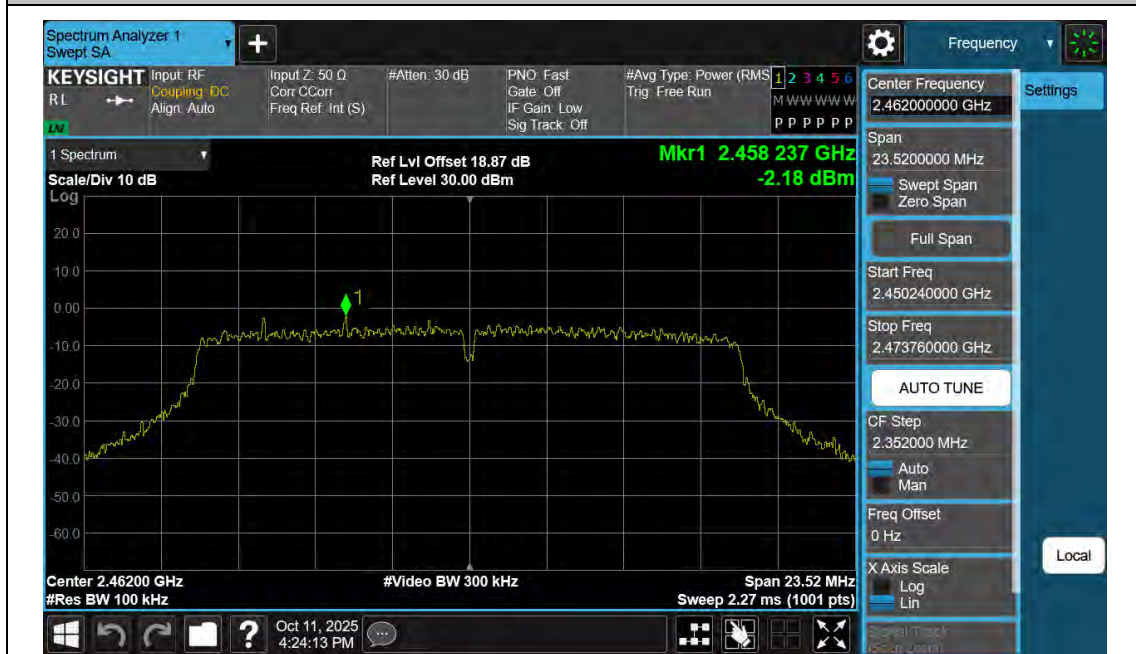
11G-Ant2-2437-PASS



11G-Ant1-2462-PASS



11G-Ant2-2462-PASS



11N20MIMO-Ant1-2412-PASS



11N20MIMO-Ant2-2412-PASS



11N20MIMO-Ant1-2437-PASS



11N20MIMO-Ant2-2437-PASS



11N20MIMO-Ant1-2462-PASS



11N20MIMO-Ant2-2462-PASS



11N40MIMO-Ant1-2422-PASS



11N40MIMO-Ant2-2422-PASS



11N40MIMO-Ant1-2437-PASS



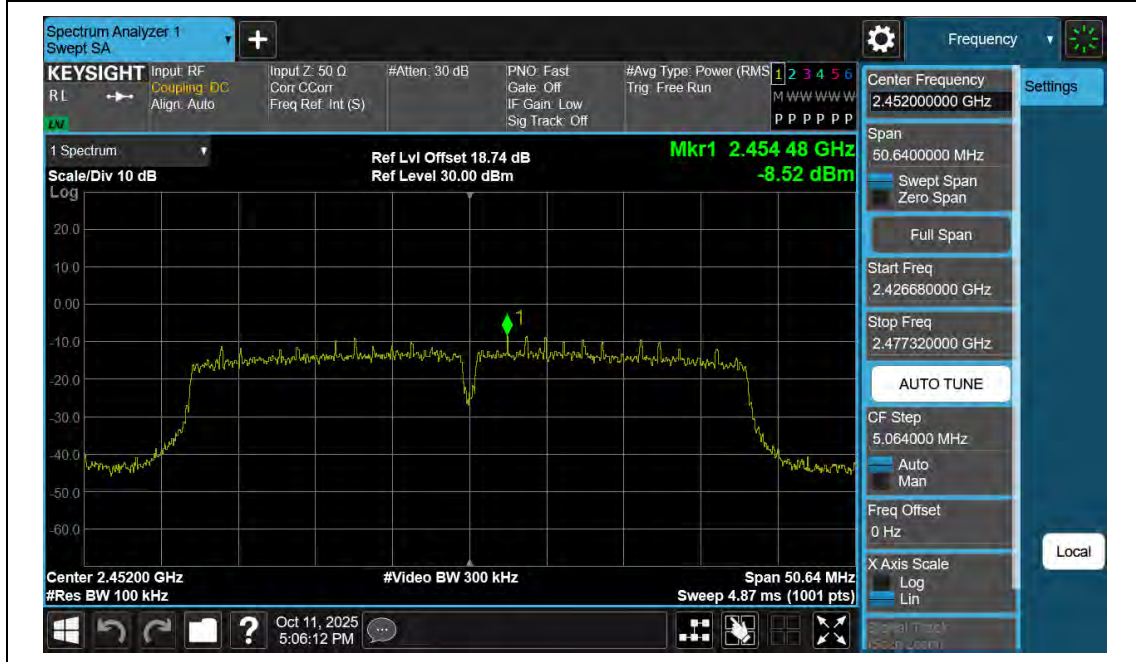
11N40MIMO-Ant2-2437-PASS



11N40MIMO-Ant1-2452-PASS



11N40MIMO-Ant2-2452-PASS

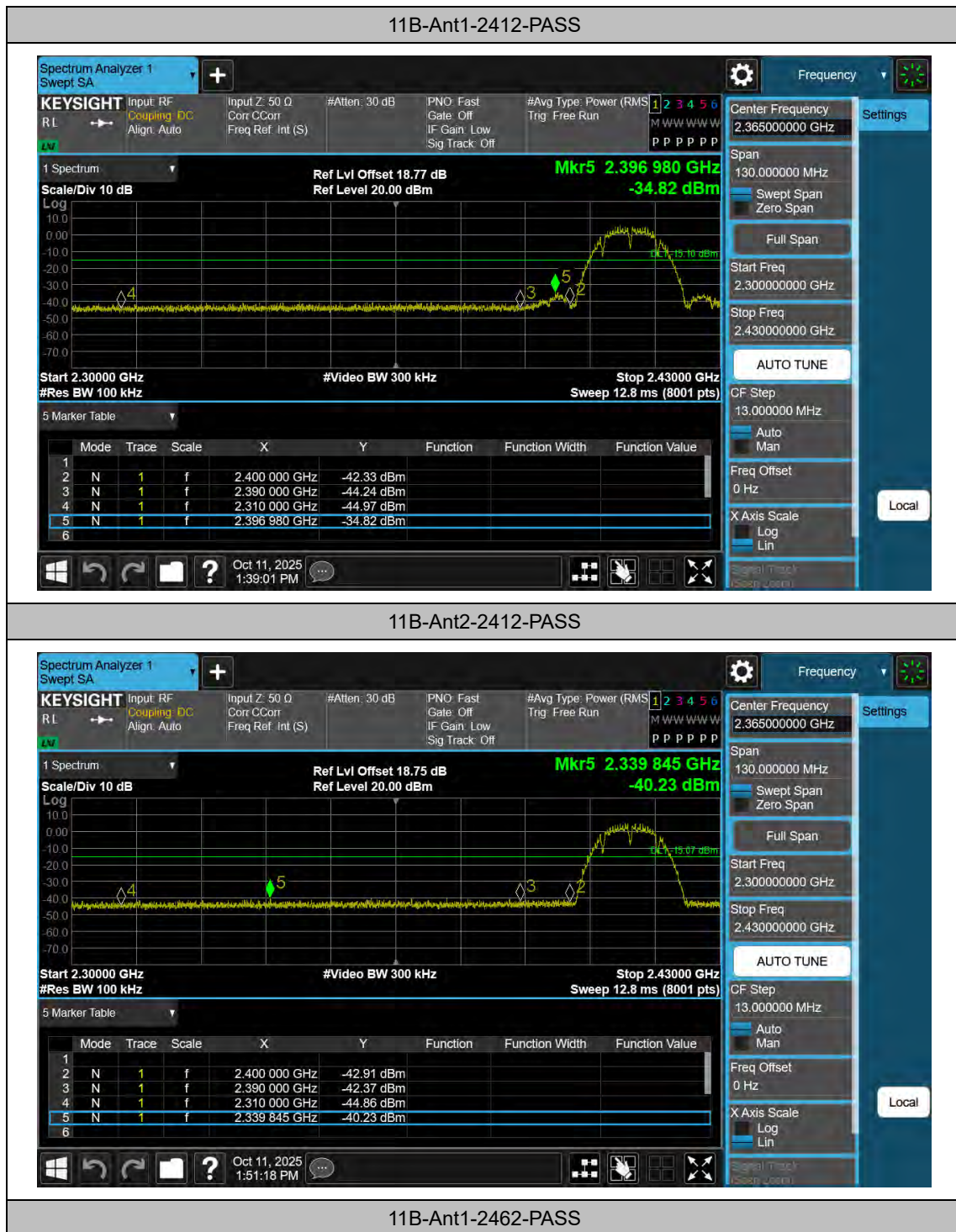


Appendix E: Band edge measurements

Test Result

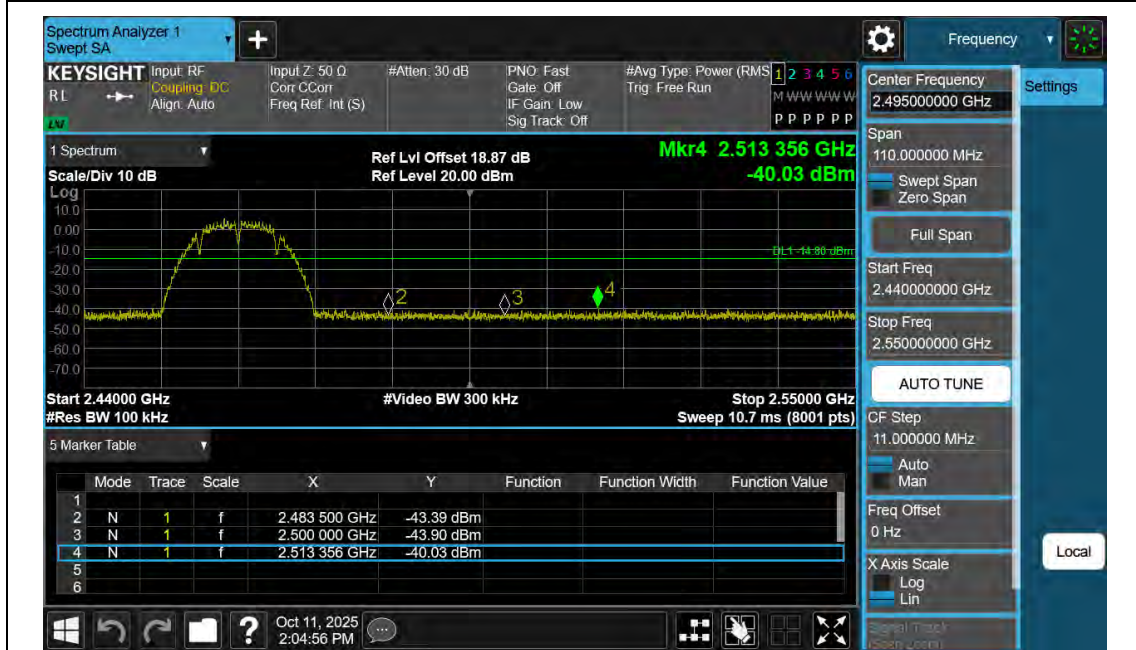
TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.90	-34.82	≤-15.1	PASS
11B	Ant2	Low	2412	4.93	-40.23	≤-15.07	PASS
11B	Ant1	High	2462	5.52	-39.85	≤-14.48	PASS
11B	Ant2	High	2462	5.20	-40.03	≤-14.8	PASS
11G	Ant1	Low	2412	-1.21	-38.75	≤-21.21	PASS
11G	Ant2	Low	2412	-1.54	-39.02	≤-21.54	PASS
11G	Ant1	High	2462	-1.90	-40.09	≤-21.9	PASS
11G	Ant2	High	2462	-2.18	-39.5	≤-22.18	PASS
11N20MIMO	Ant1	Low	2412	-3.90	-37.39	≤-23.9	PASS
11N20MIMO	Ant2	Low	2412	-5.18	-39.02	≤-25.18	PASS
11N20MIMO	Ant1	High	2462	-2.49	-40.36	≤-22.49	PASS
11N20MIMO	Ant2	High	2462	-5.54	-39.89	≤-25.54	PASS
11N40MIMO	Ant1	Low	2422	-6.48	-40.36	≤-26.48	PASS
11N40MIMO	Ant2	Low	2422	-8.33	-39.55	≤-28.33	PASS
11N40MIMO	Ant1	High	2452	-6.07	-40.03	≤-26.07	PASS
11N40MIMO	Ant2	High	2452	-8.52	-40.22	≤-28.52	PASS

Test Graphs

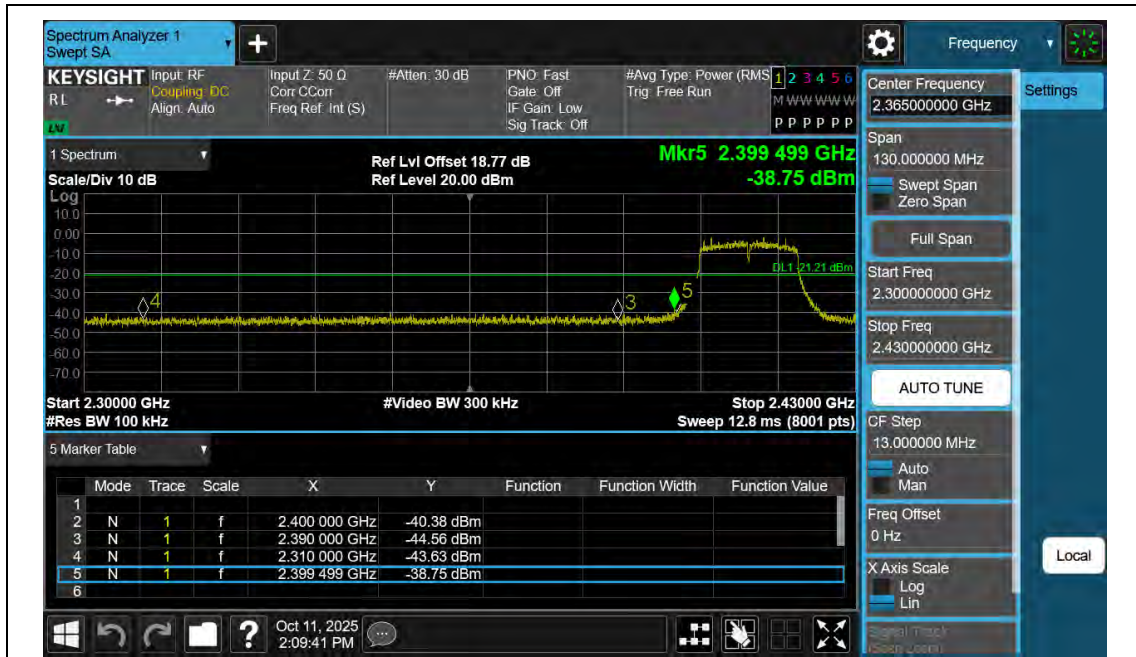




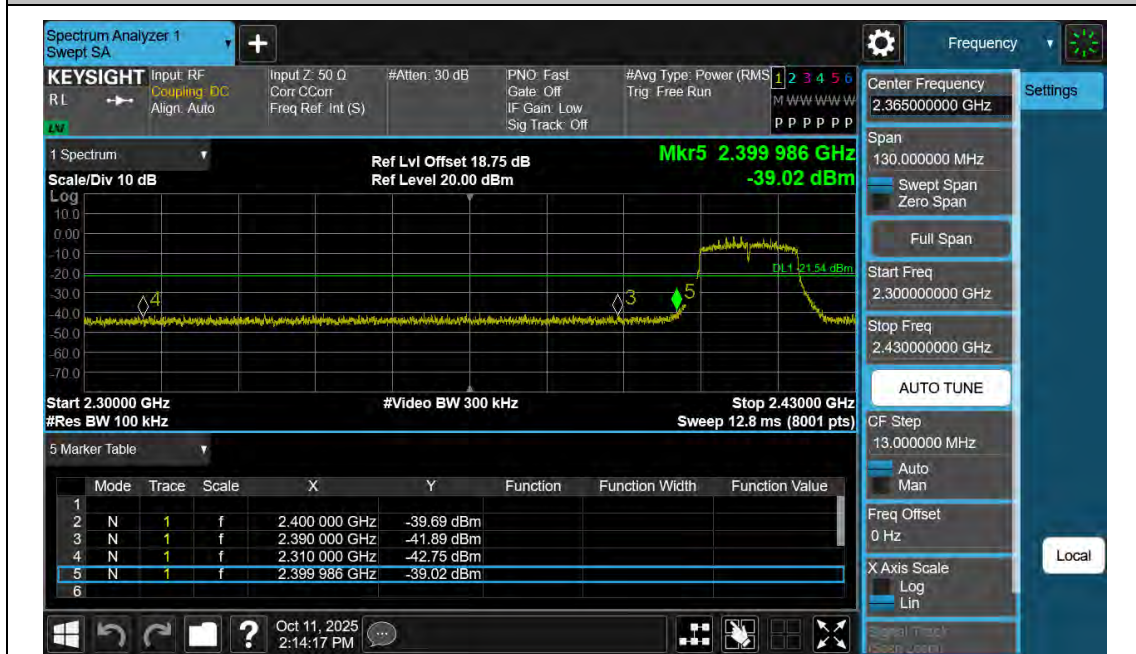
11B-Ant2-2462-PASS



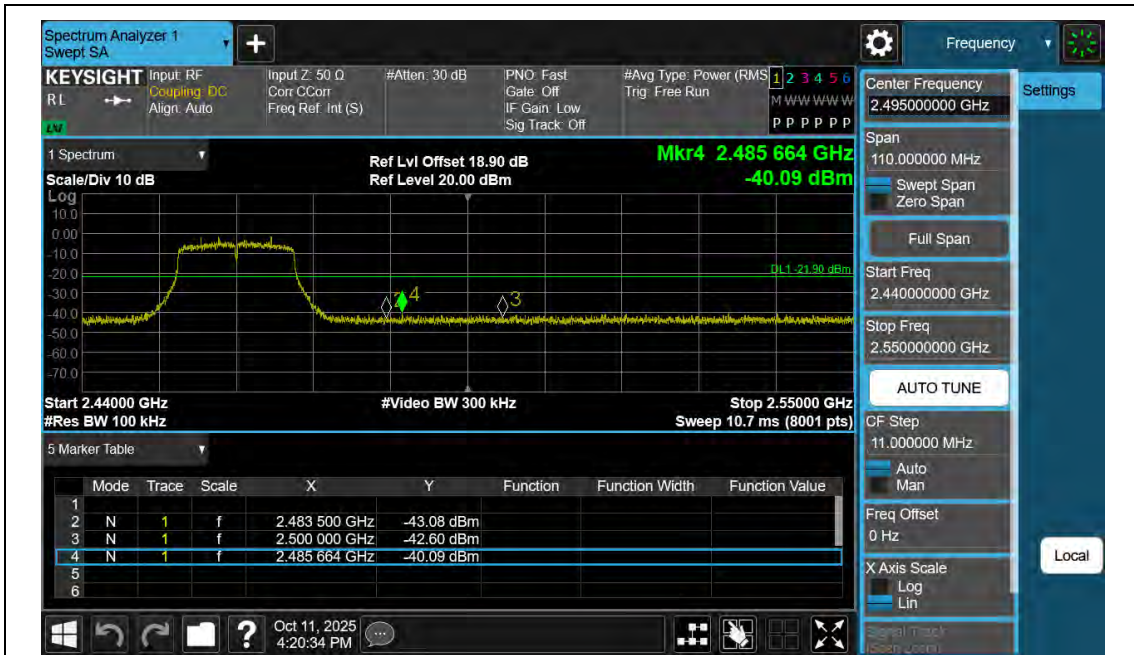
11G-Ant1-2412-PASS



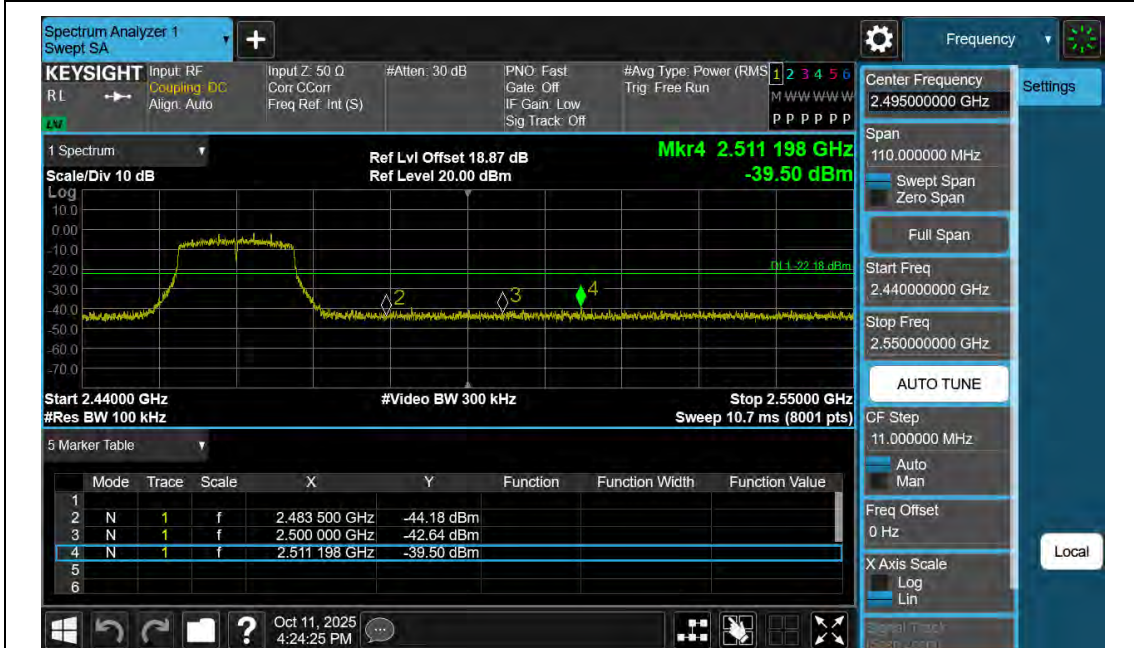
11G-Ant2-2412-PASS



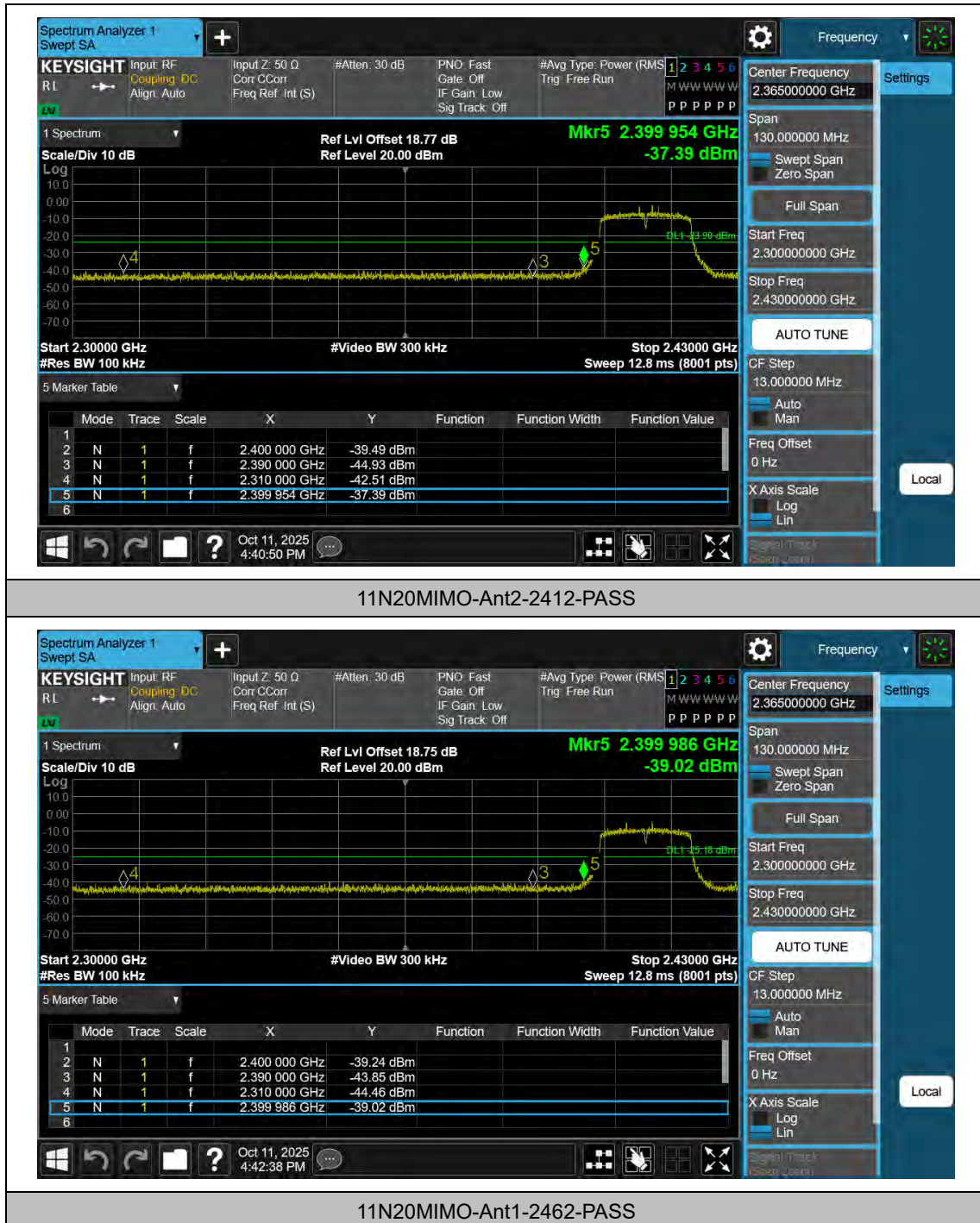
11G-Ant1-2462-PASS

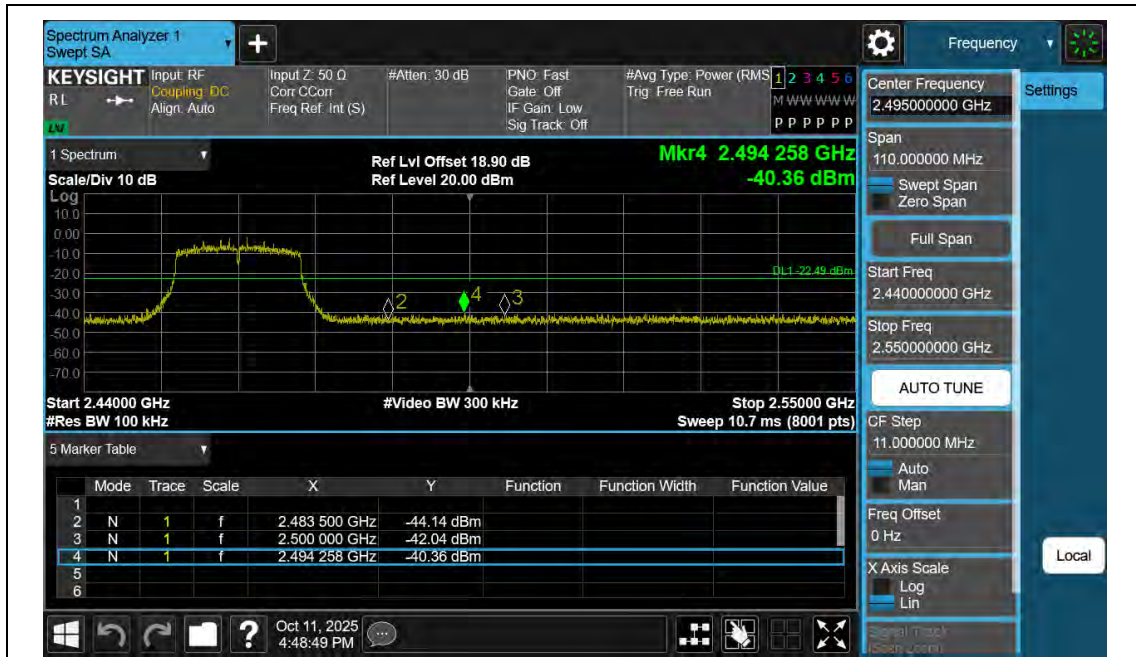


11G-Ant2-2462-PASS

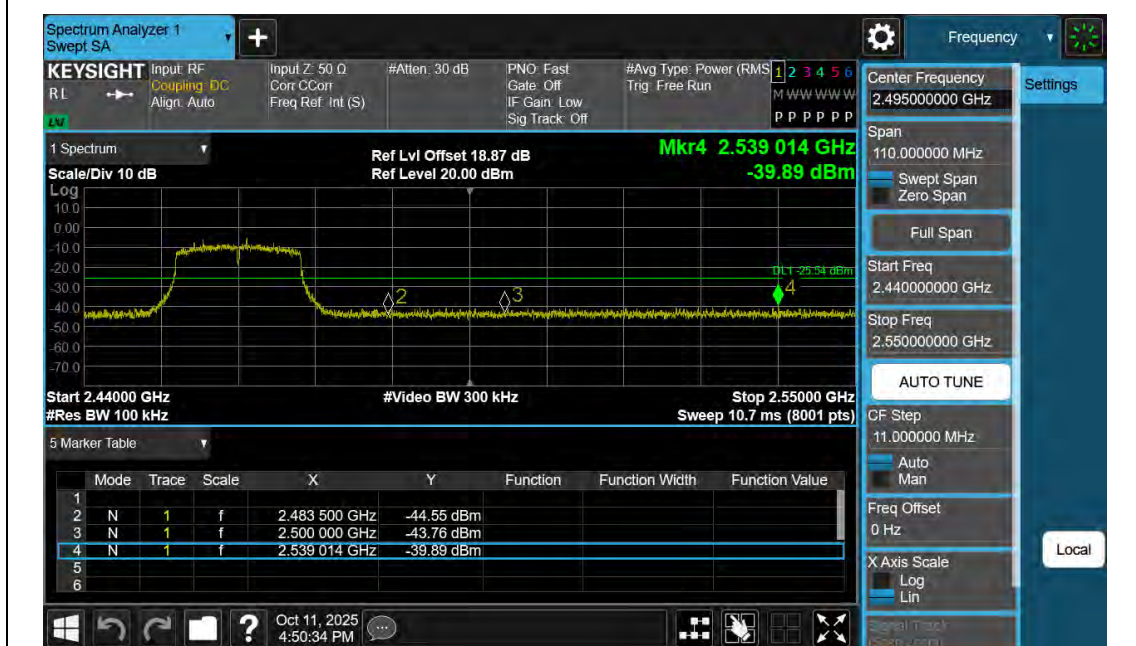


11N20MIMO-Ant1-2412-PASS

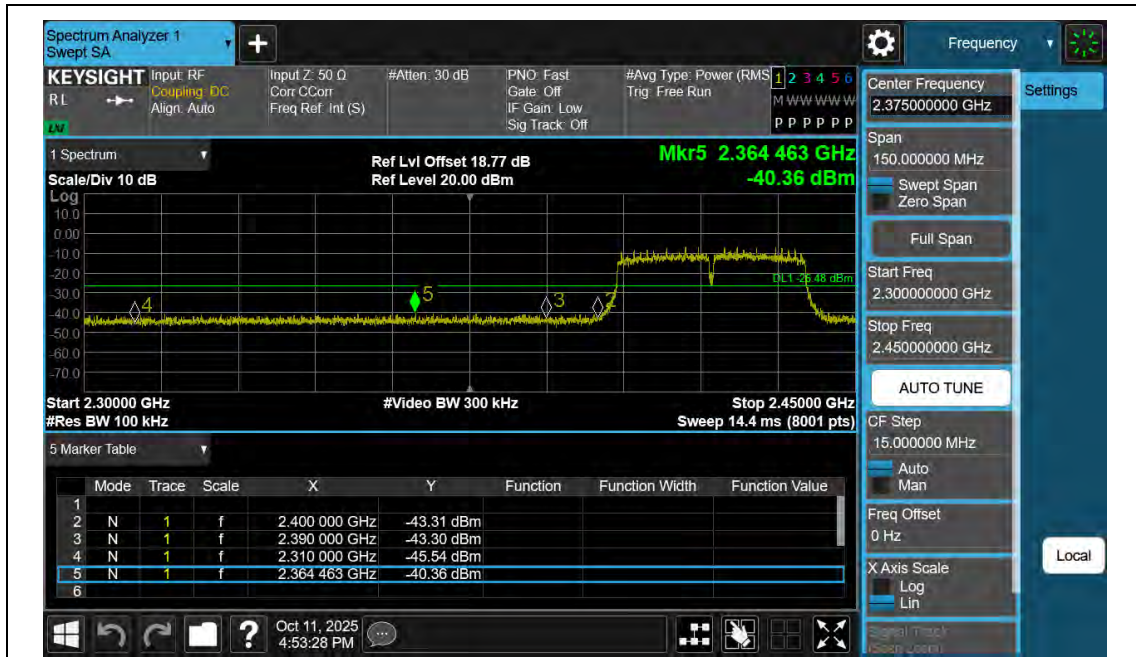




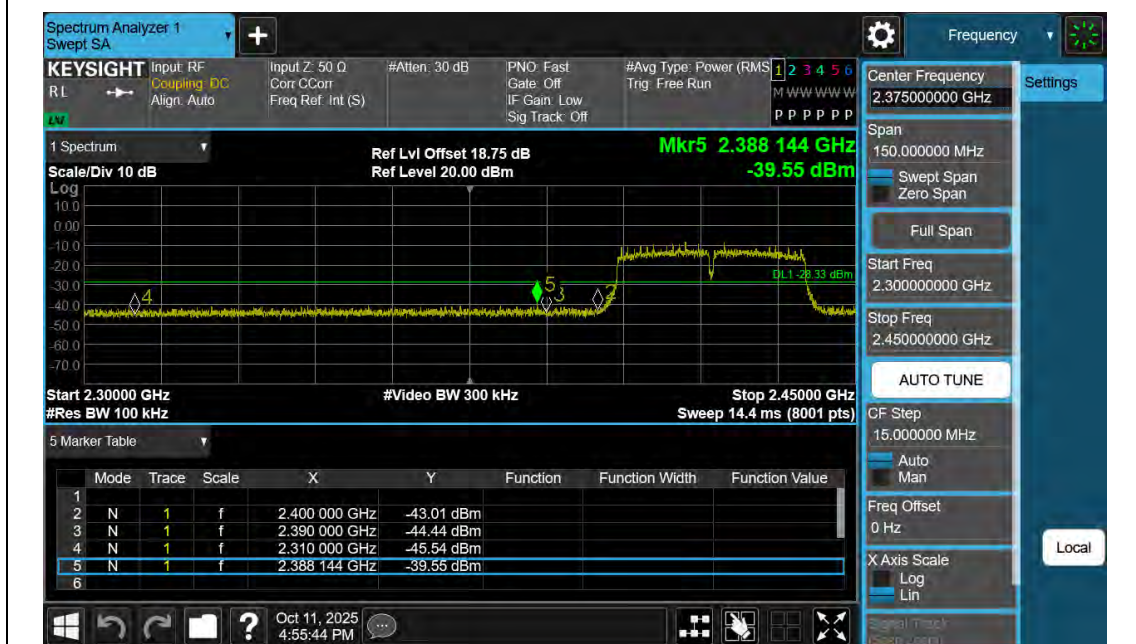
11N20MIMO-Ant2-2462-PASS



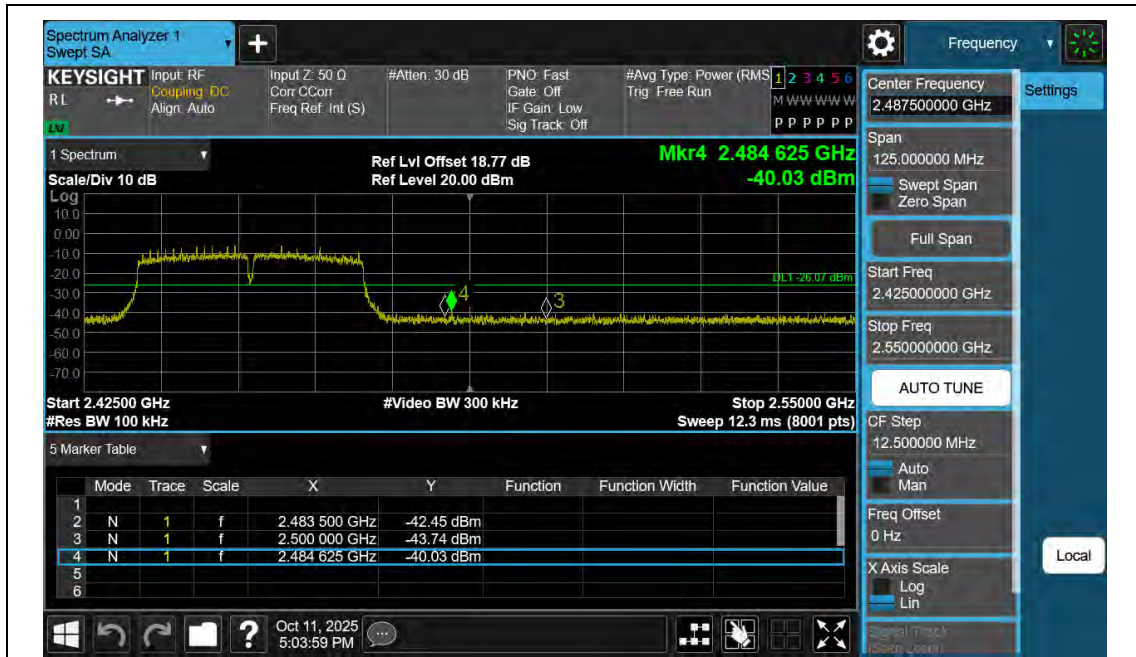
11N40MIMO-Ant1-2422-PASS



11N40MIMO-Ant2-2422-PASS



11N40MIMO-Ant1-2452-PASS



11N40MIMO-Ant2-2452-PASS

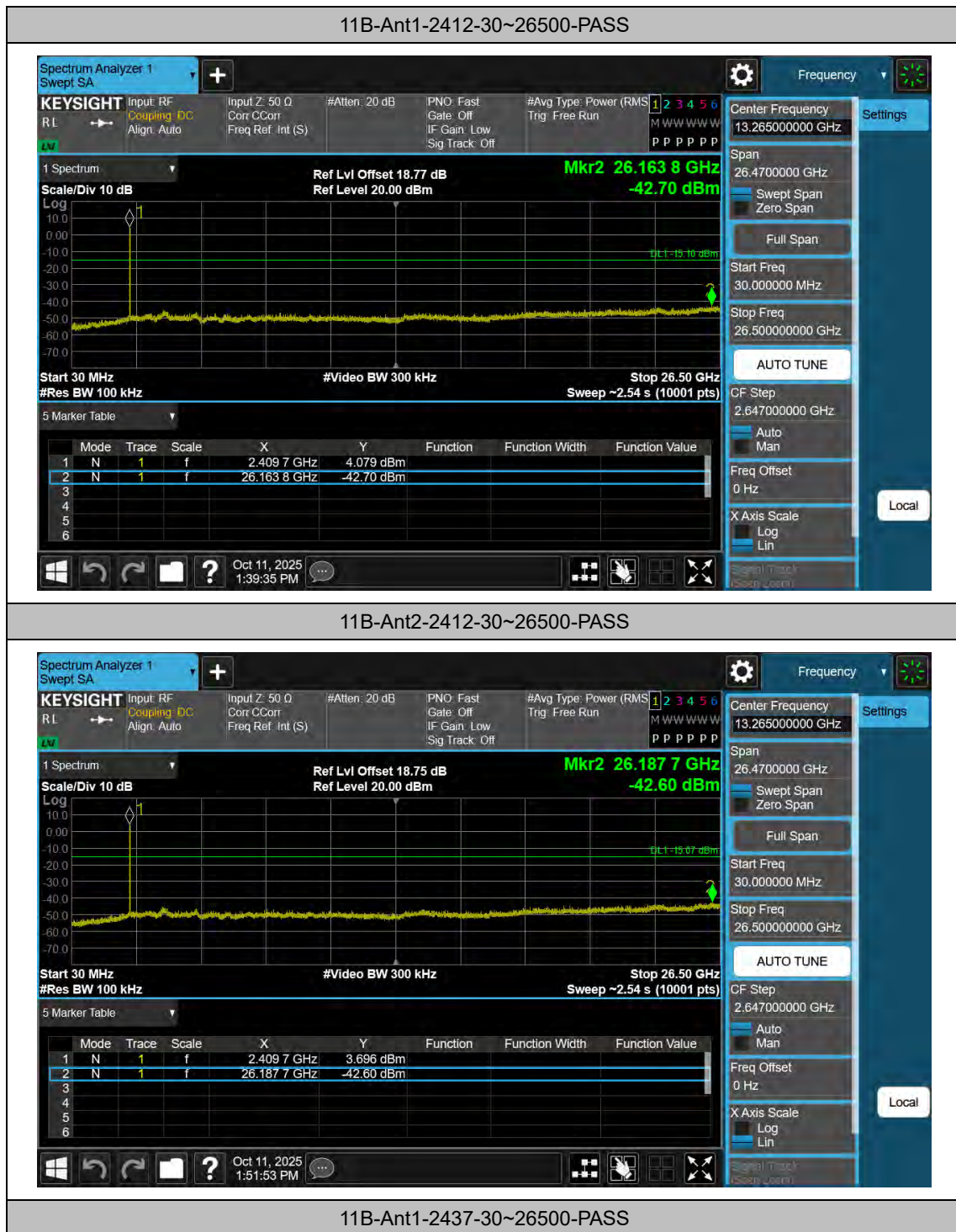


Appendix F: Conducted Spurious Emission

Test Result

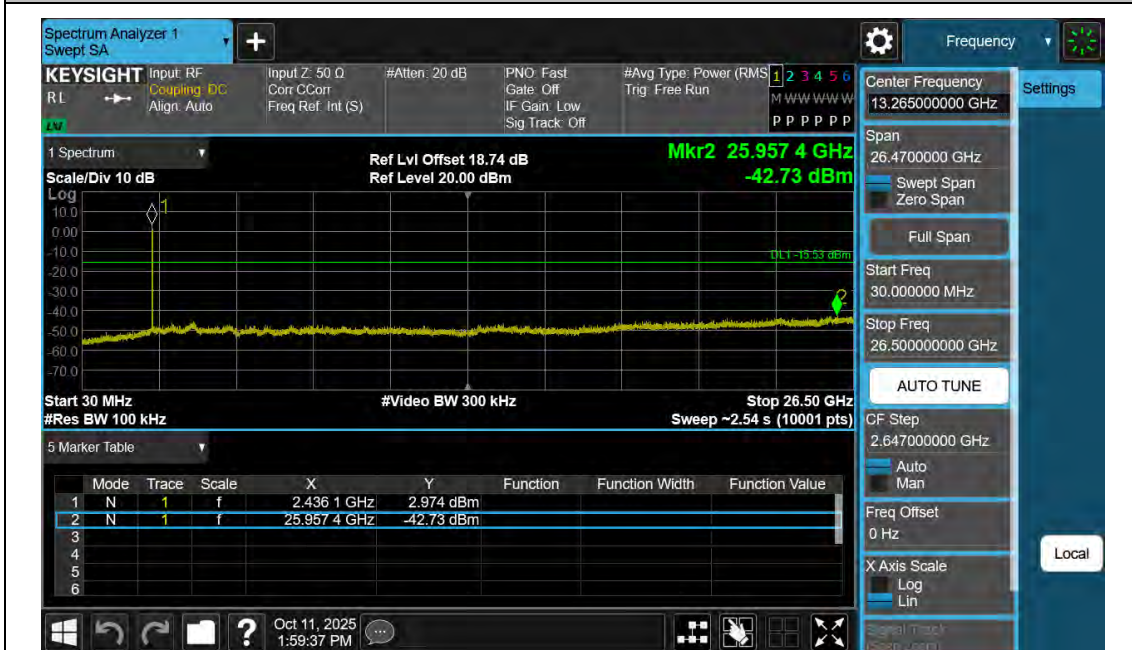
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	4.90	-42.7	≤-15.1	PASS
11B	Ant2	2412	30~26500	4.93	-42.6	≤-15.07	PASS
11B	Ant1	2437	30~26500	4.41	-42.4	≤-15.59	PASS
11B	Ant2	2437	30~26500	4.47	-42.73	≤-15.53	PASS
11B	Ant1	2462	30~26500	5.52	-42.6	≤-14.48	PASS
11B	Ant2	2462	30~26500	5.20	-42.35	≤-14.8	PASS
11G	Ant1	2412	30~26500	-1.21	-41.85	≤-21.21	PASS
11G	Ant2	2412	30~26500	-1.54	-41.77	≤-21.54	PASS
11G	Ant1	2437	30~26500	-2.00	-42.69	≤-22	PASS
11G	Ant2	2437	30~26500	-2.15	-42.71	≤-22.15	PASS
11G	Ant1	2462	30~26500	-1.90	-42.64	≤-21.9	PASS
11G	Ant2	2462	30~26500	-2.18	-42.23	≤-22.18	PASS
11N20MIMO	Ant1	2412	30~26500	-3.90	-42.04	≤-23.9	PASS
11N20MIMO	Ant2	2412	30~26500	-5.18	-42.59	≤-25.18	PASS
11N20MIMO	Ant1	2437	30~26500	-2.60	-41.92	≤-22.6	PASS
11N20MIMO	Ant2	2437	30~26500	-5.69	-42.35	≤-25.69	PASS
11N20MIMO	Ant1	2462	30~26500	-2.49	-42.31	≤-22.49	PASS
11N20MIMO	Ant2	2462	30~26500	-5.54	-42.94	≤-25.54	PASS
11N40MIMO	Ant1	2422	30~26500	-6.48	-42.27	≤-26.48	PASS
11N40MIMO	Ant2	2422	30~26500	-8.33	-42.55	≤-28.33	PASS
11N40MIMO	Ant1	2437	30~26500	-6.27	-42.6	≤-26.27	PASS
11N40MIMO	Ant2	2437	30~26500	-8.76	-42.78	≤-28.76	PASS
11N40MIMO	Ant1	2452	30~26500	-6.07	-42.36	≤-26.07	PASS
11N40MIMO	Ant2	2452	30~26500	-8.52	-42.36	≤-28.52	PASS

Test Graphs





11B-Ant2-2437-30~26500-PASS



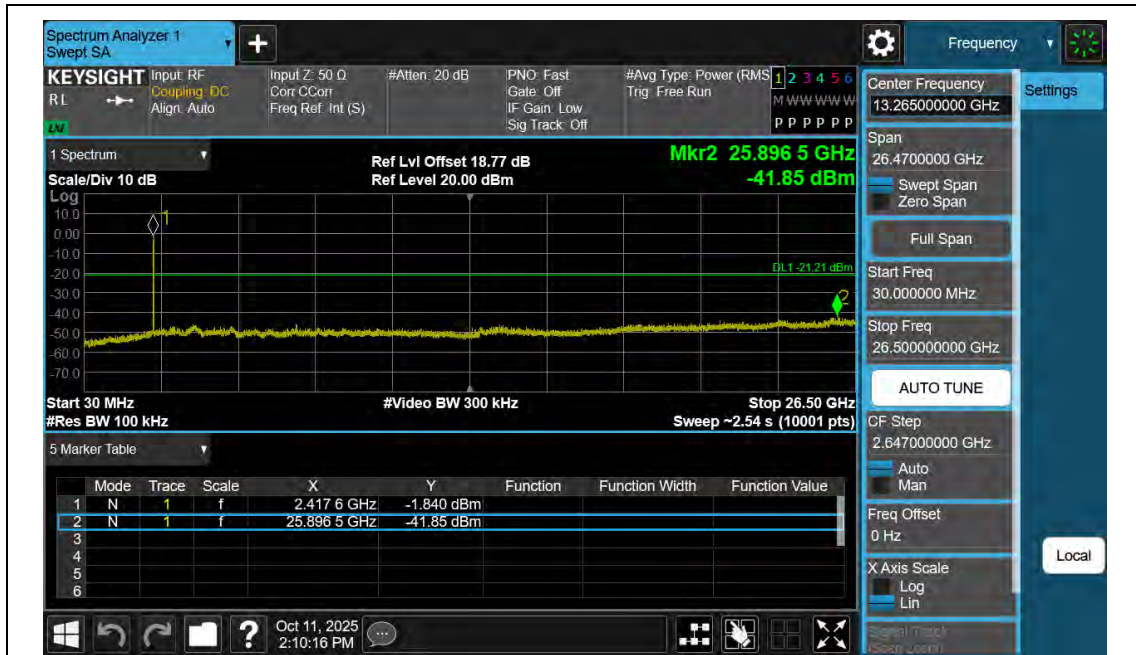
11B-Ant1-2462-30~26500-PASS



11B-Ant2-2462-30~26500-PASS



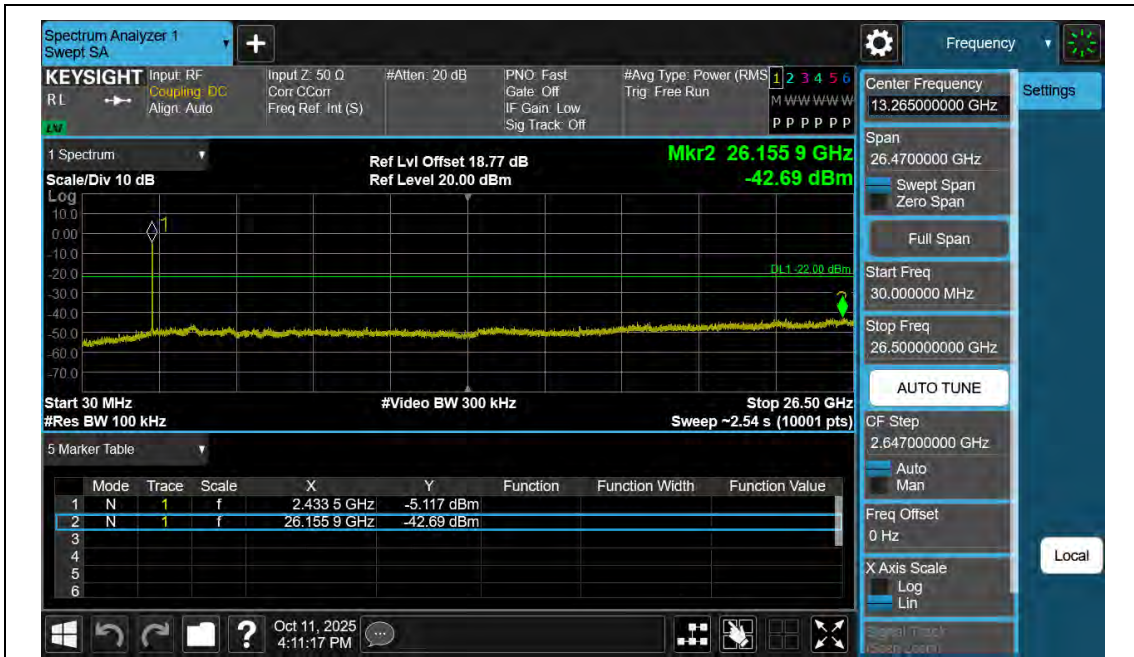
11G-Ant1-2412-30~26500-PASS



11G-Ant2-2412-30~26500-PASS



11G-Ant1-2437-30~26500-PASS



11G-Ant2-2437-30~26500-PASS



11G-Ant1-2462-30~26500-PASS



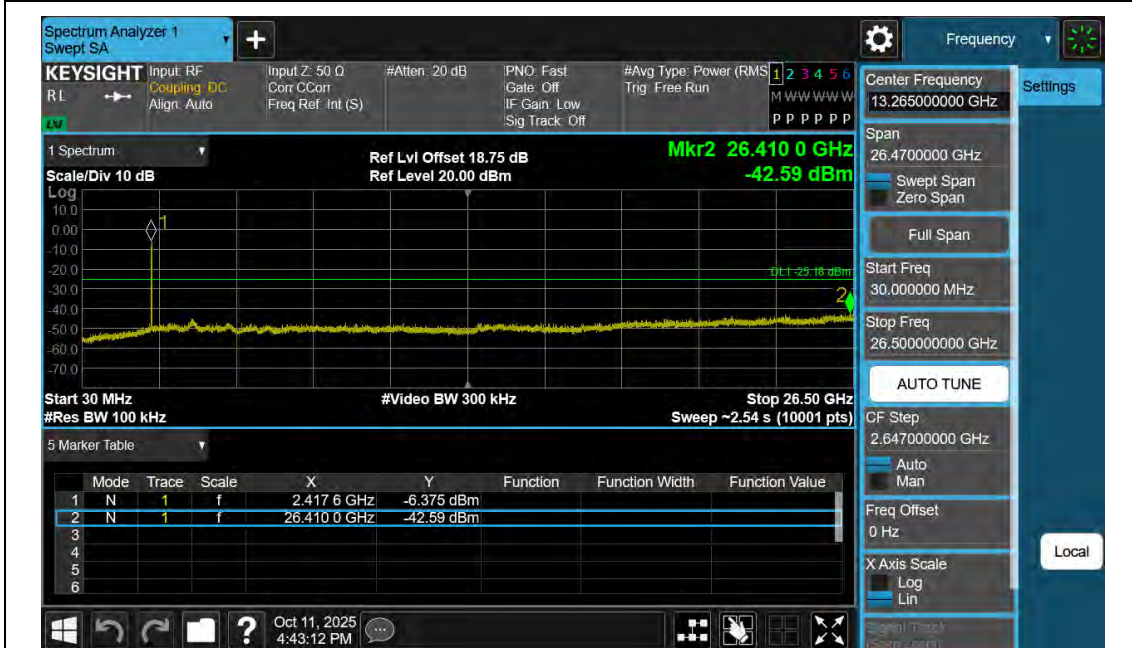
11G-Ant2-2462-30~26500-PASS



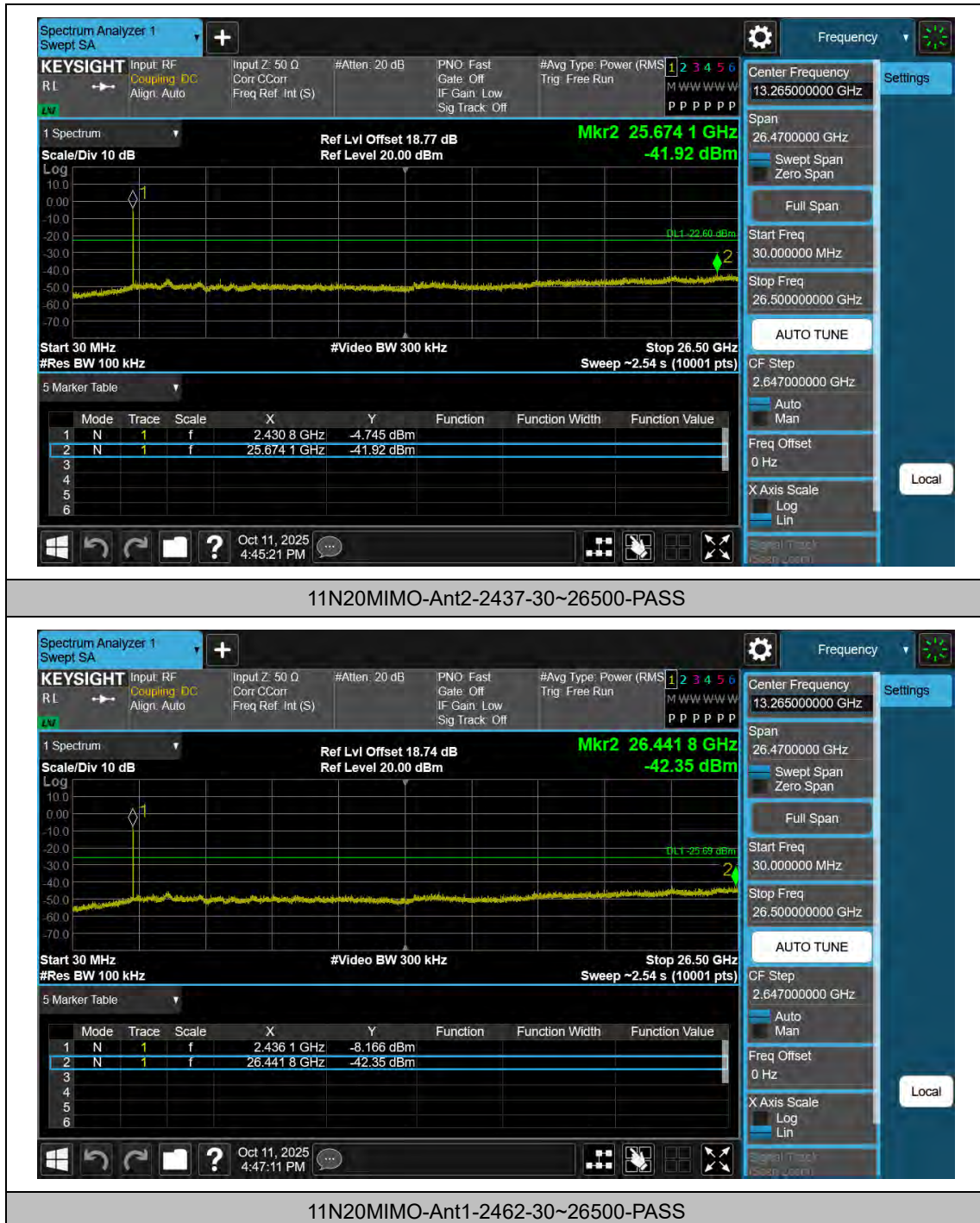
11N20MIMO-Ant1-2412-30~26500-PASS



11N20MIMO-Ant2-2412-30~26500-PASS

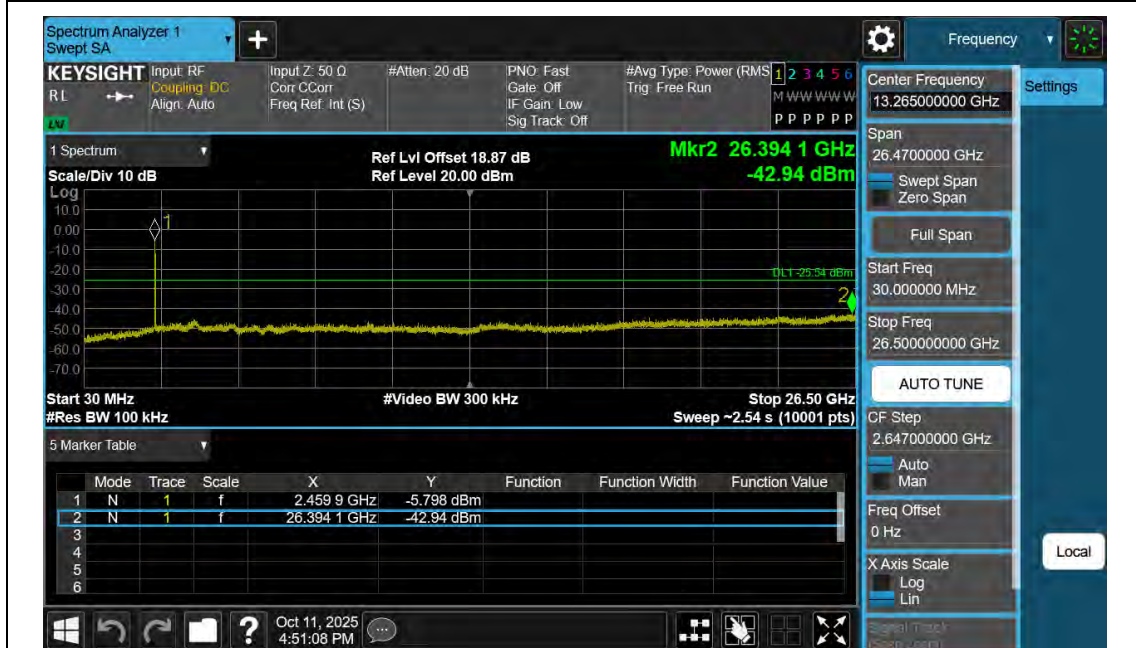


11N20MIMO-Ant1-2437-30~26500-PASS





11N20MIMO-Ant2-2462-30~26500-PASS



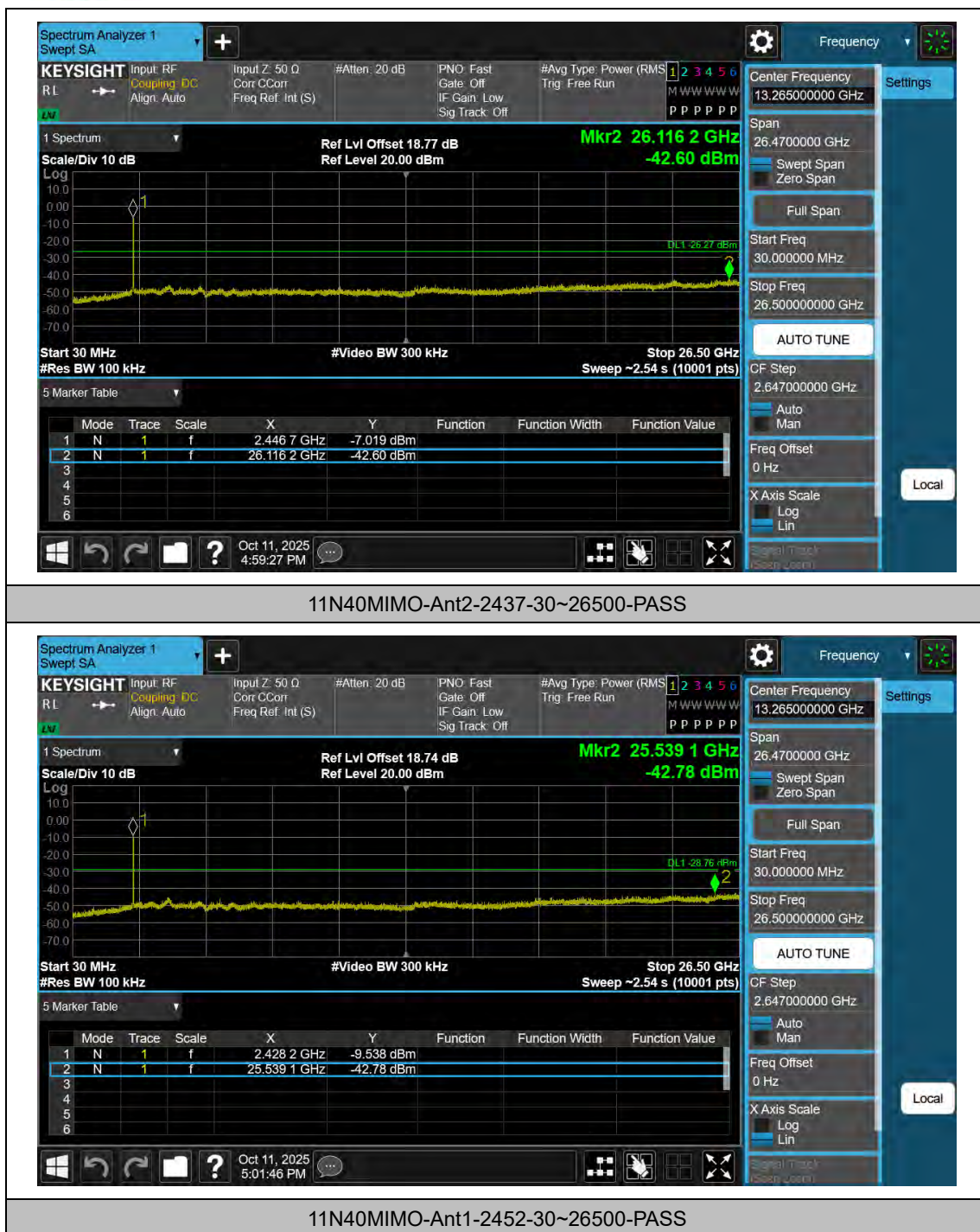
11N40MIMO-Ant1-2422-30~26500-PASS

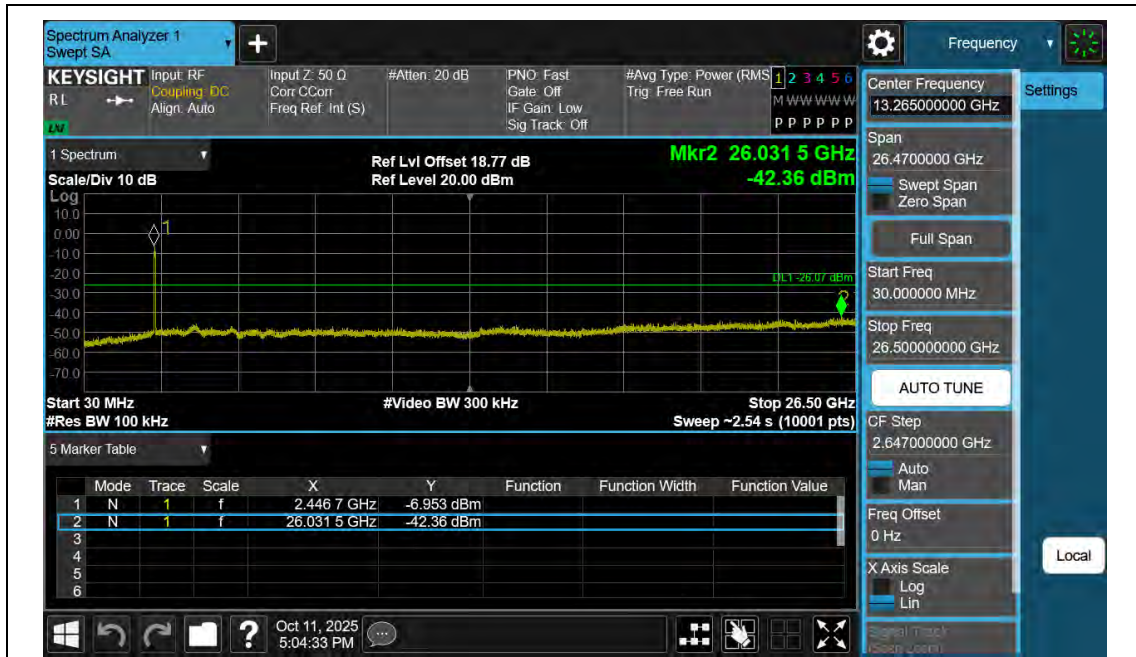


11N40MIMO-Ant2-2422-30~26500-PASS



11N40MIMO-Ant1-2437-30~26500-PASS





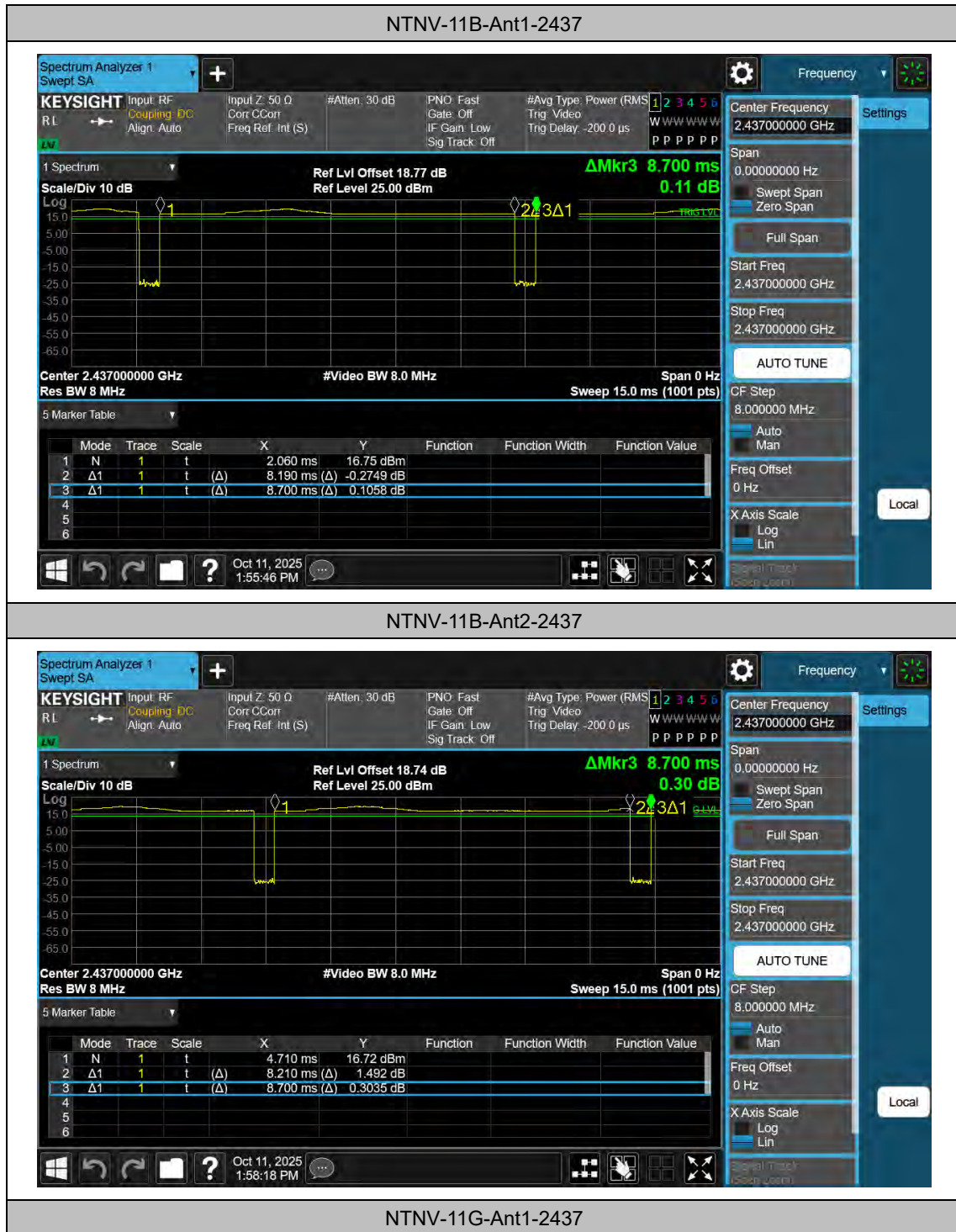
11N40MIMO-Ant2-2452-30~26500-PASS

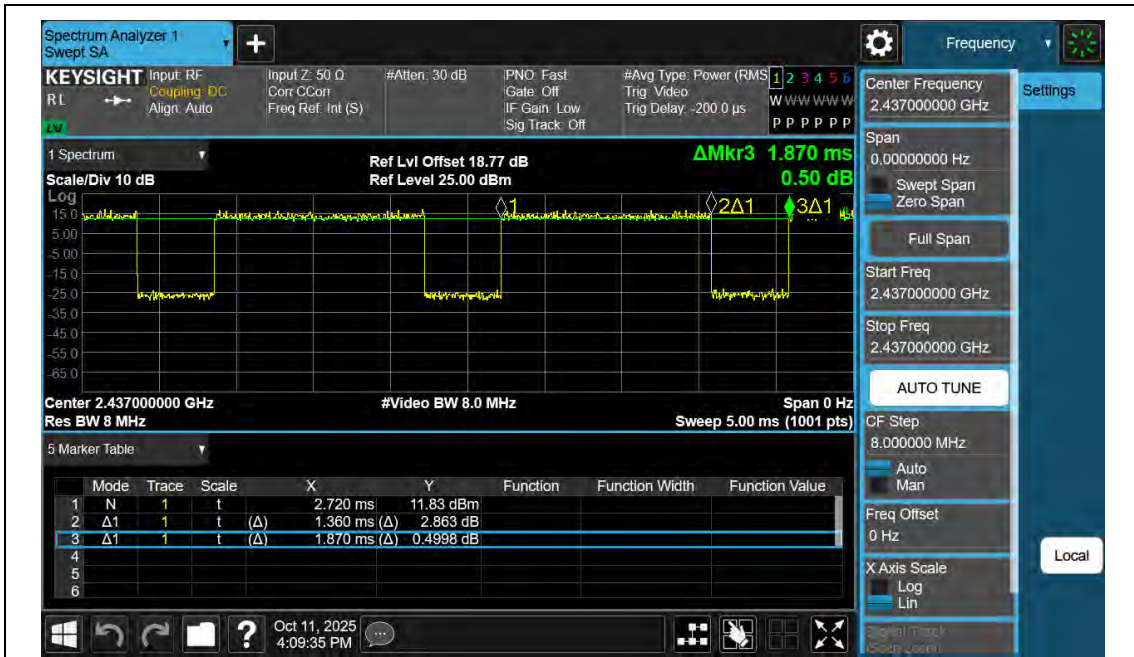


Appendix G: Duty Cycle

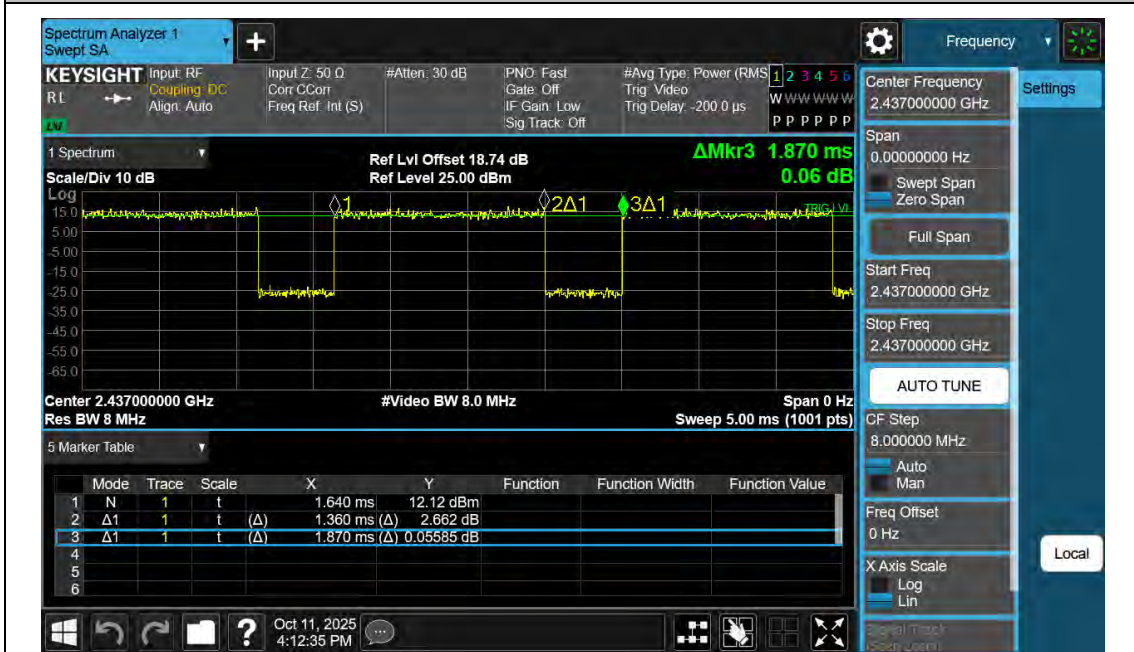
Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	8.19	8.70	94.14
11B	Ant2	2437	8.21	8.70	94.37
11G	Ant1	2437	1.36	1.87	72.73
11G	Ant2	2437	1.36	1.87	72.73
11N20MIMO	Ant1	2437	1.27	1.77	71.75
11N20MIMO	Ant2	2437	1.27	1.78	71.35
11N40MIMO	Ant1	2437	0.63	1.13	55.75
11N40MIMO	Ant2	2437	0.63	1.13	55.75

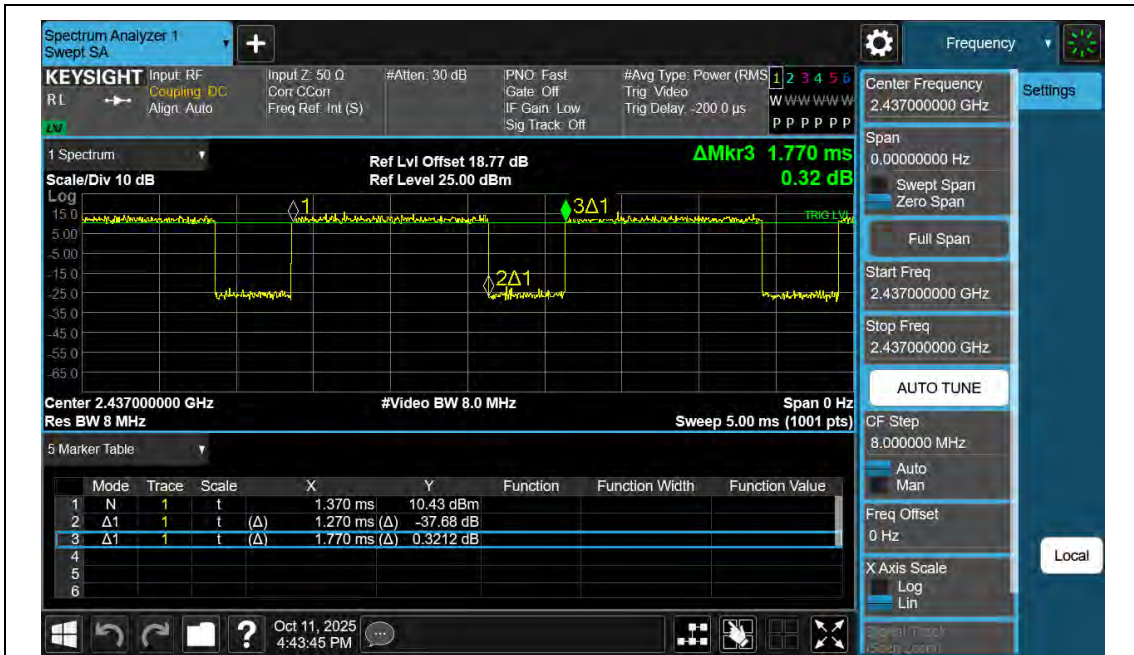




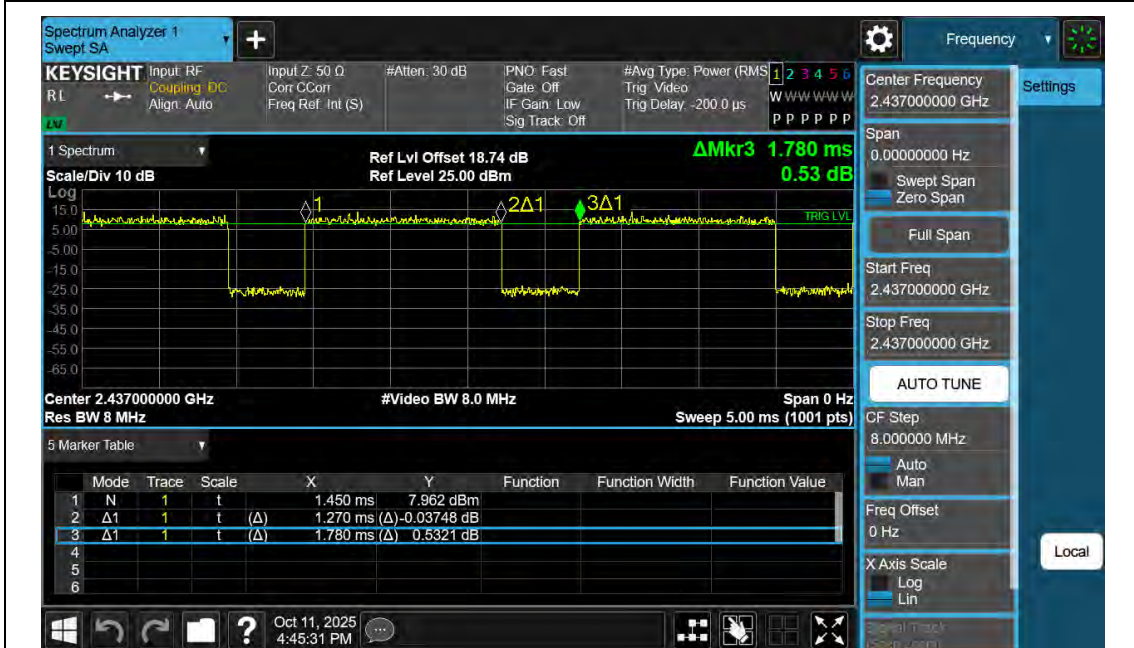
NTNV-11G-Ant2-2437



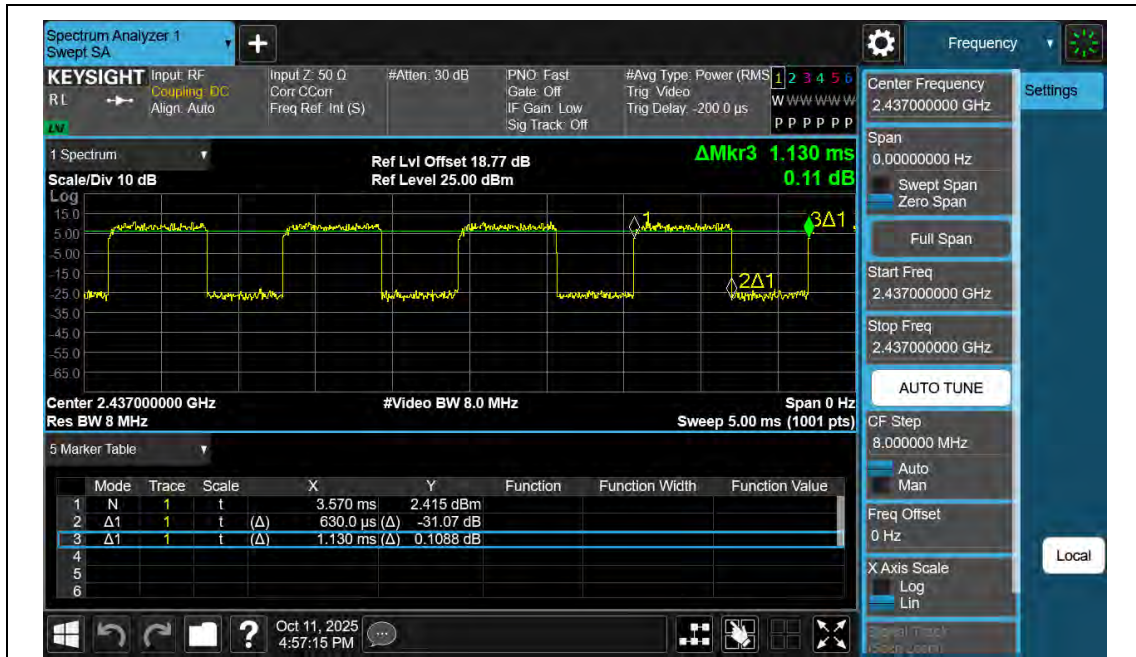
NTNV-11N20MIMO-Ant1-2437



NTNV-11N20MIMO-Ant2-2437



NTNV-11N40MIMO-Ant1-2437



NTNV-11N40MIMO-Ant2-2437

