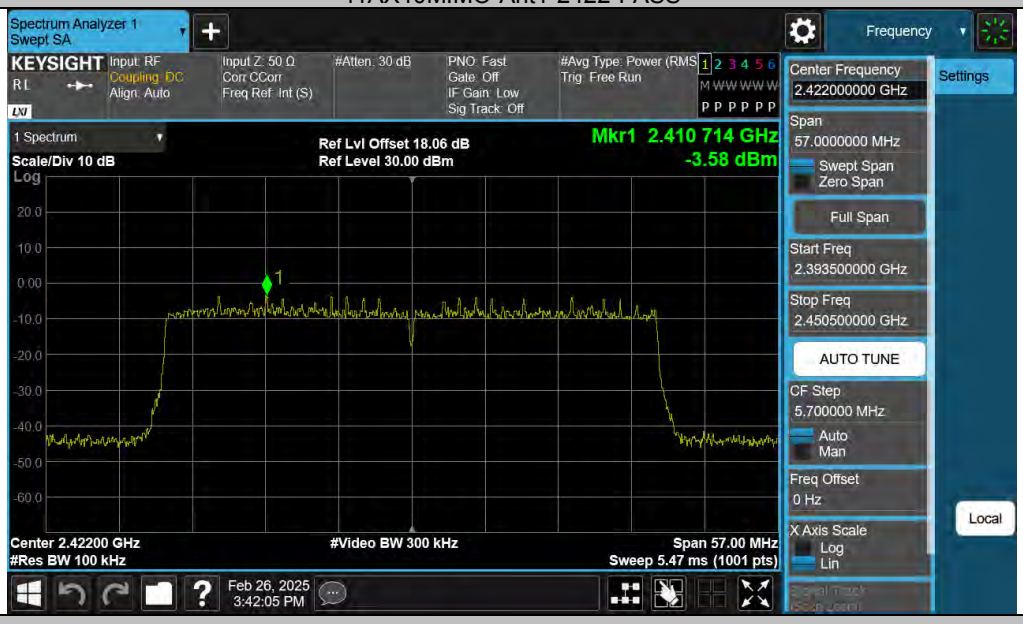
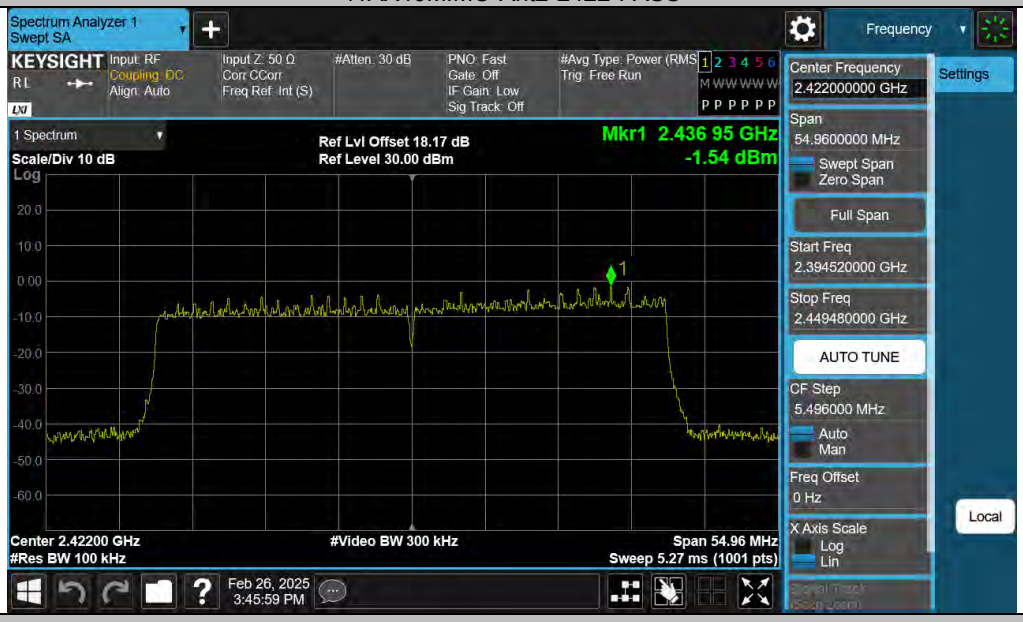
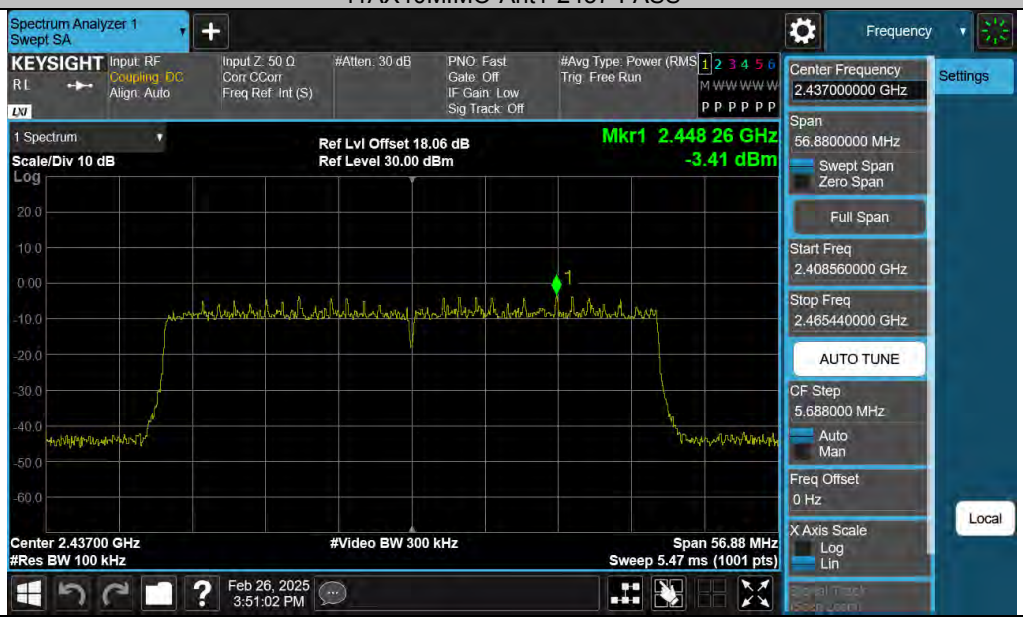
11AX40MIMO-Ant1-2422-PASS



11AX40MIMO-Ant2-2422-PASS



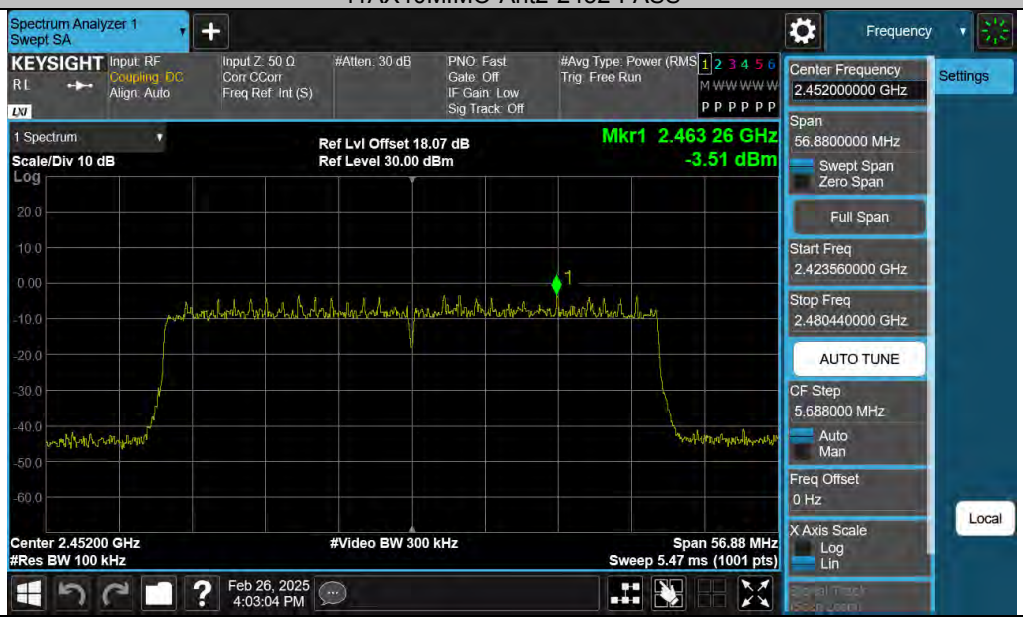
11AX40MIMO-Ant1-2437-PASS



11AX40MIMO-Ant2-2437-PASS

11AX40MIMO-Ant1-2452-PASS

11AX40MIMO-Ant2-2452-PASS



Appendix F: Band edge measurements

Test Result

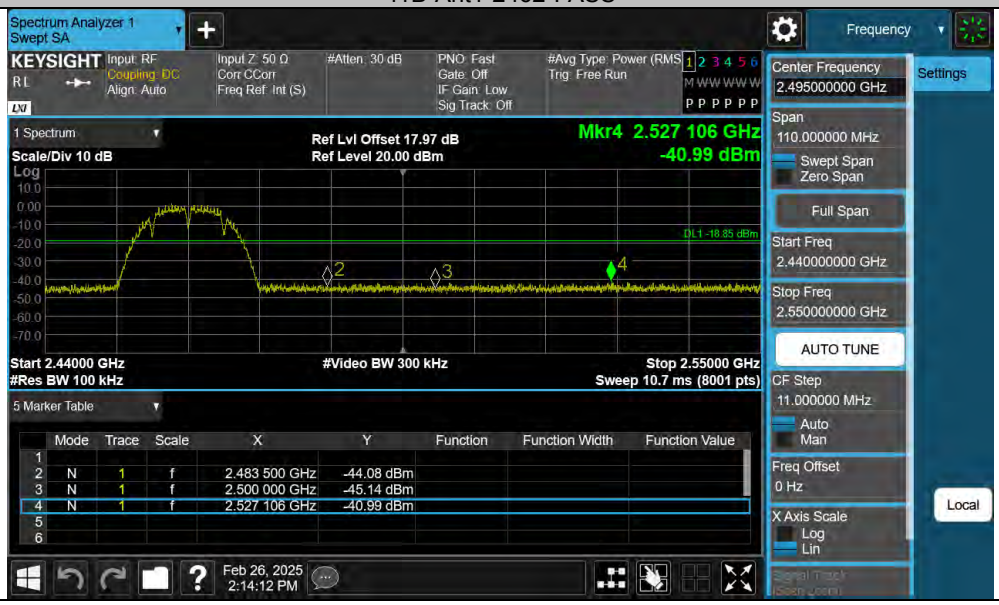
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1.67	-41.42	≤-18.33	PASS
11B	Ant2	Low	2412	2.94	-40.64	≤-17.06	PASS
11B	Ant1	High	2462	1.15	-40.99	≤-18.85	PASS
11B	Ant2	High	2462	2.26	-41.05	≤-17.74	PASS
11G	Ant1	Low	2412	-0.43	-40.59	≤-20.43	PASS
11G	Ant2	Low	2412	0.52	-41.21	≤-19.48	PASS
11G	Ant1	High	2462	-1.21	-41.16	≤-21.21	PASS
11G	Ant2	High	2462	-0.30	-40.78	≤-20.3	PASS
11N20MIMO	Ant1	Low	2412	0.13	-41.07	≤-19.87	PASS
11N20MIMO	Ant2	Low	2412	0.35	-40.76	≤-19.65	PASS
11N20MIMO	Ant1	High	2462	-1.20	-40.38	≤-21.2	PASS
11N20MIMO	Ant2	High	2462	-0.63	-41.12	≤-20.63	PASS
11N40MIMO	Ant1	Low	2422	-3.14	-40.26	≤-23.14	PASS
11N40MIMO	Ant2	Low	2422	-2.36	-41.35	≤-22.36	PASS
11N40MIMO	Ant1	High	2452	-3.61	-41.38	≤-23.61	PASS
11N40MIMO	Ant2	High	2452	-1.88	-40.42	≤-21.88	PASS
11AX20MIMO	Ant1	Low	2412	-0.50	-41.45	≤-20.5	PASS
11AX20MIMO	Ant2	Low	2412	-0.05	-41.15	≤-20.05	PASS
11AX20MIMO	Ant1	High	2462	-1.72	-41.04	≤-21.72	PASS
11AX20MIMO	Ant2	High	2462	-0.64	-40.06	≤-20.64	PASS
11AX40MIMO	Ant1	Low	2422	-3.58	-41.16	≤-23.58	PASS
11AX40MIMO	Ant2	Low	2422	-1.54	-40.34	≤-21.54	PASS
11AX40MIMO	Ant1	High	2452	-4.12	-40.89	≤-24.12	PASS
11AX40MIMO	Ant2	High	2452	-3.51	-40.02	≤-23.51	PASS

Test Graphs

11B-Ant1-2412-PASS

11B-Ant2-2412-PASS

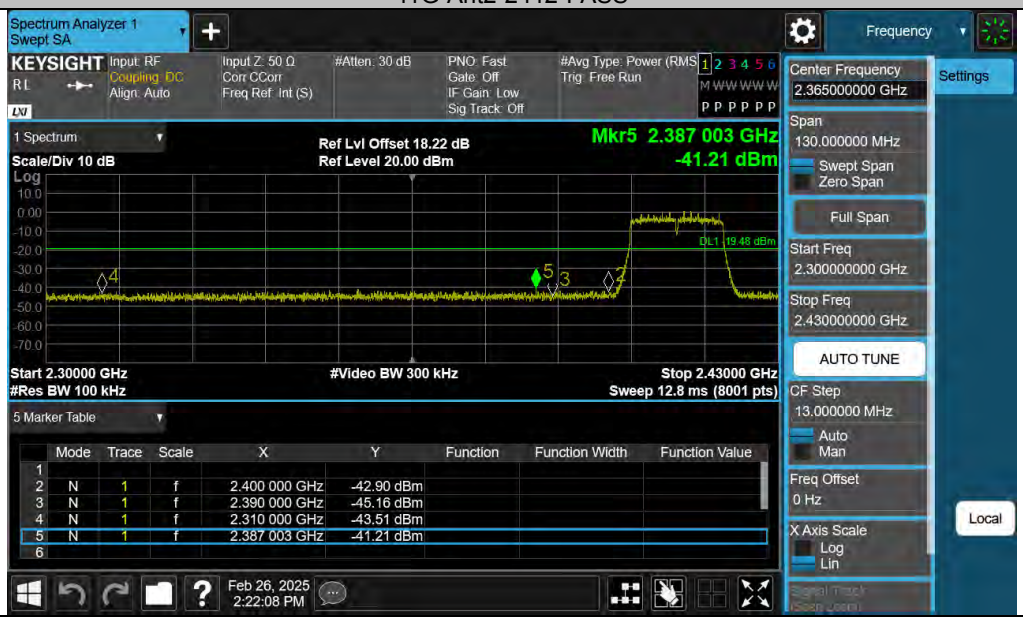
11B-Ant1-2462-PASS



11B-Ant2-2462-PASS

11G-Ant1-2412-PASS

11G-Ant2-2412-PASS



11G-Ant1-2462-PASS

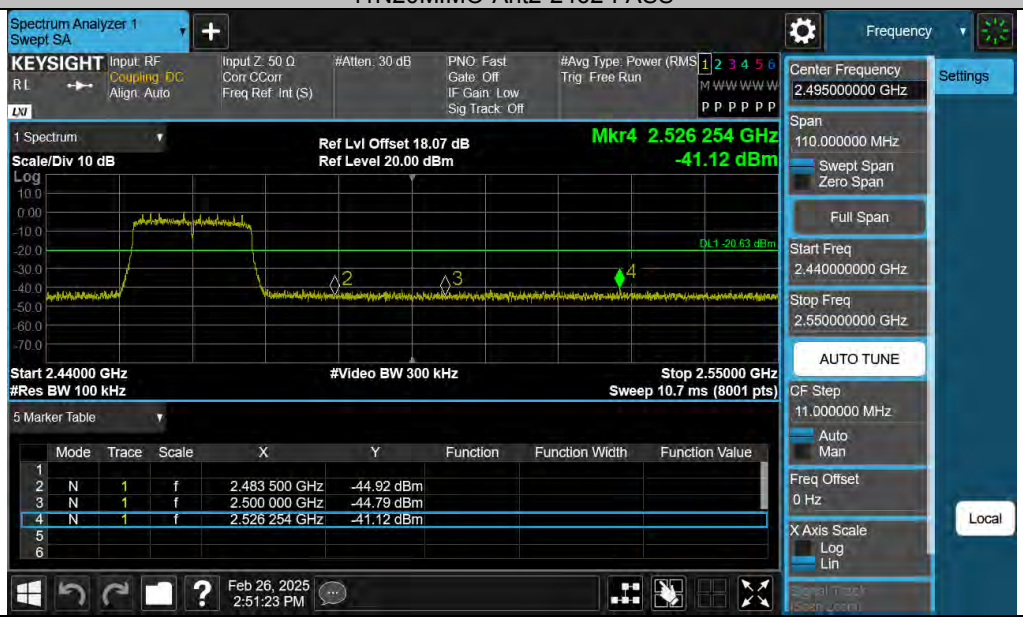
11G-Ant2-2462-PASS

11N20MIMO-Ant1-2412-PASS

11N20MIMO-Ant2-2412-PASS

11N20MIMO-Ant1-2462-PASS

11N20MIMO-Ant2-2462-PASS



11N40MIMO-Ant1-2422-PASS

11N40MIMO-Ant2-2422-PASS

11N40MIMO-Ant1-2452-PASS

11N40MIMO-Ant2-2452-PASS

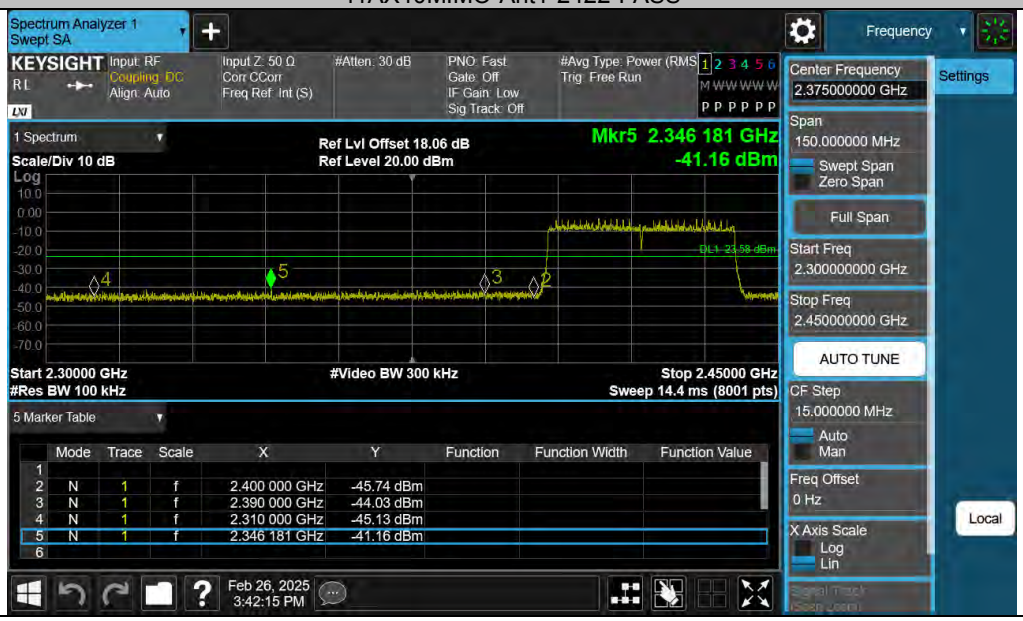
11AX20MIMO-Ant1-2412-PASS

11AX20MIMO-Ant2-2412-PASS

11AX20MIMO-Ant1-2462-PASS

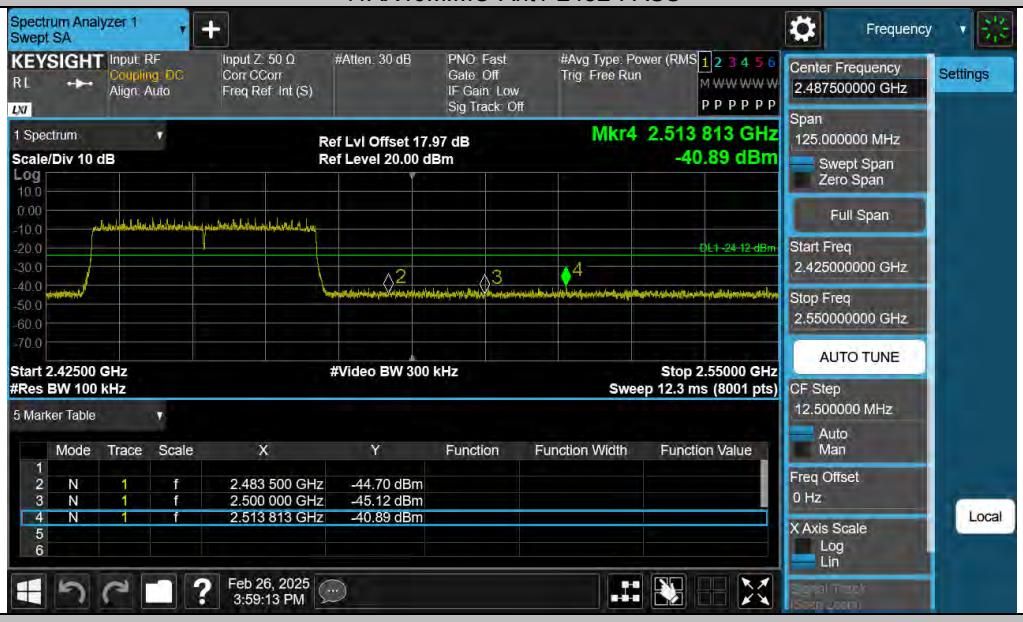
11AX20MIMO-Ant2-2462-PASS

11AX40MIMO-Ant1-2422-PASS

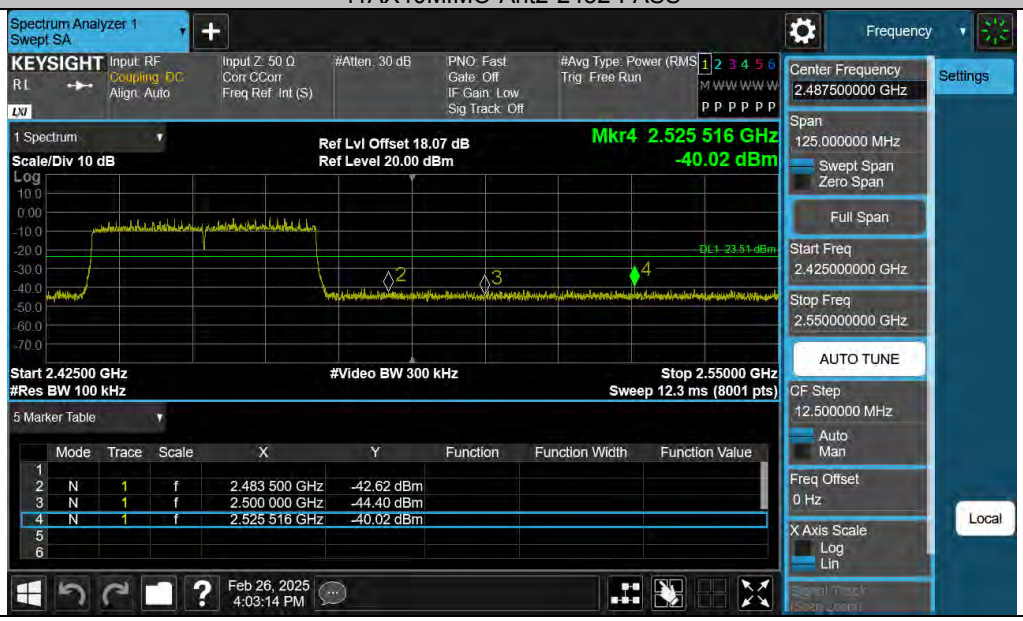


11AX40MIMO-Ant2-2422-PASS

11AX40MIMO-Ant1-2452-PASS



11AX40MIMO-Ant2-2452-PASS



Appendix G: Conducted Spurious Emission
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	1.67	-42.01	≤-18.33	PASS
11B	Ant2	2412	30~26500	2.94	-42.77	≤-17.06	PASS
11B	Ant1	2437	30~26500	1.21	-42.22	≤-18.79	PASS
11B	Ant2	2437	30~26500	2.14	-42.55	≤-17.86	PASS
11B	Ant1	2462	30~26500	1.15	-43.53	≤-18.85	PASS
11B	Ant2	2462	30~26500	2.26	-43.26	≤-17.74	PASS
11G	Ant1	2412	30~26500	-0.43	-42.89	≤-20.43	PASS
11G	Ant2	2412	30~26500	0.52	-42.47	≤-19.48	PASS
11G	Ant1	2437	30~26500	-0.54	-42.87	≤-20.54	PASS
11G	Ant2	2437	30~26500	-0.42	-42.57	≤-20.42	PASS
11G	Ant1	2462	30~26500	-1.21	-43.28	≤-21.21	PASS
11G	Ant2	2462	30~26500	-0.30	-43.11	≤-20.3	PASS
11N20MIMO	Ant1	2412	30~26500	0.13	-42.9	≤-19.87	PASS
11N20MIMO	Ant2	2412	30~26500	0.35	-43.01	≤-19.65	PASS
11N20MIMO	Ant1	2437	30~26500	-0.47	-43.13	≤-20.47	PASS
11N20MIMO	Ant2	2437	30~26500	0.02	-43.41	≤-19.98	PASS
11N20MIMO	Ant1	2462	30~26500	-1.20	-43.32	≤-21.2	PASS
11N20MIMO	Ant2	2462	30~26500	-0.63	-41.56	≤-20.63	PASS
11N40MIMO	Ant1	2422	30~26500	-3.14	-43.18	≤-23.14	PASS
11N40MIMO	Ant2	2422	30~26500	-2.36	-42.75	≤-22.36	PASS
11N40MIMO	Ant1	2437	30~26500	-3.49	-43.15	≤-23.49	PASS
11N40MIMO	Ant2	2437	30~26500	-2.26	-42.73	≤-22.26	PASS
11N40MIMO	Ant1	2452	30~26500	-3.61	-42.74	≤-23.61	PASS
11N40MIMO	Ant2	2452	30~26500	-1.88	-43.15	≤-21.88	PASS
11AX20MIMO	Ant1	2412	30~26500	-0.50	-43	≤-20.5	PASS
11AX20MIMO	Ant2	2412	30~26500	-0.05	-43.28	≤-20.05	PASS
11AX20MIMO	Ant1	2437	30~26500	-1.10	-43.12	≤-21.1	PASS
11AX20MIMO	Ant2	2437	30~26500	-0.72	-42.82	≤-20.72	PASS
11AX20MIMO	Ant1	2462	30~26500	-1.72	-42.75	≤-21.72	PASS
11AX20MIMO	Ant2	2462	30~26500	-0.64	-43.24	≤-20.64	PASS
11AX40MIMO	Ant1	2422	30~26500	-3.58	-42.99	≤-23.58	PASS
11AX40MIMO	Ant2	2422	30~26500	-1.54	-42.84	≤-21.54	PASS
11AX40MIMO	Ant1	2437	30~26500	-3.41	-43.54	≤-23.41	PASS
11AX40MIMO	Ant2	2437	30~26500	-3.37	-43.47	≤-23.37	PASS
11AX40MIMO	Ant1	2452	30~26500	-4.12	-43.22	≤-24.12	PASS
11AX40MIMO	Ant2	2452	30~26500	-3.51	-43.16	≤-23.51	PASS

Test Graphs

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

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

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

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

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

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

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

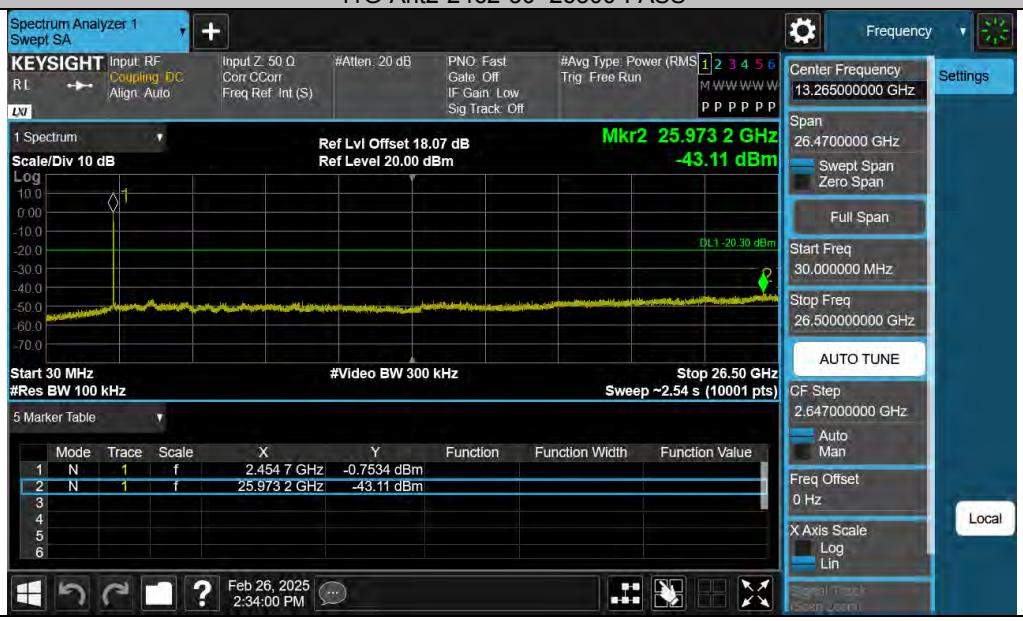
11G-Ant2-2412-30~26500-PASS

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

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

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

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



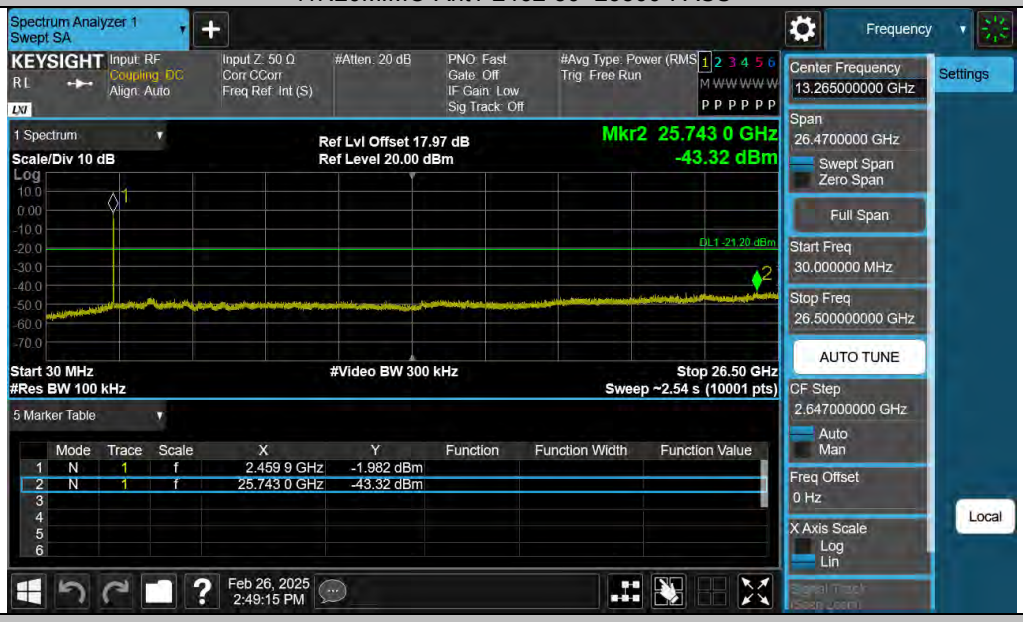
11N20MIMO-Ant1-2412-30~26500-PASS

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

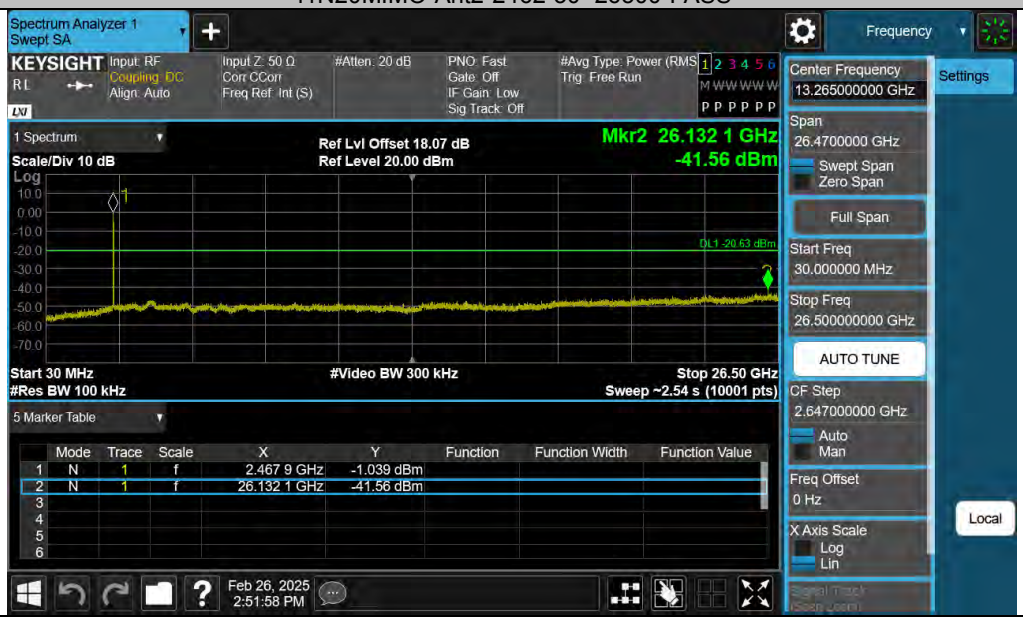
11N20MIMO-Ant1-2437-30~26500-PASS

11N20MIMO-Ant2-2437-30~26500-PASS

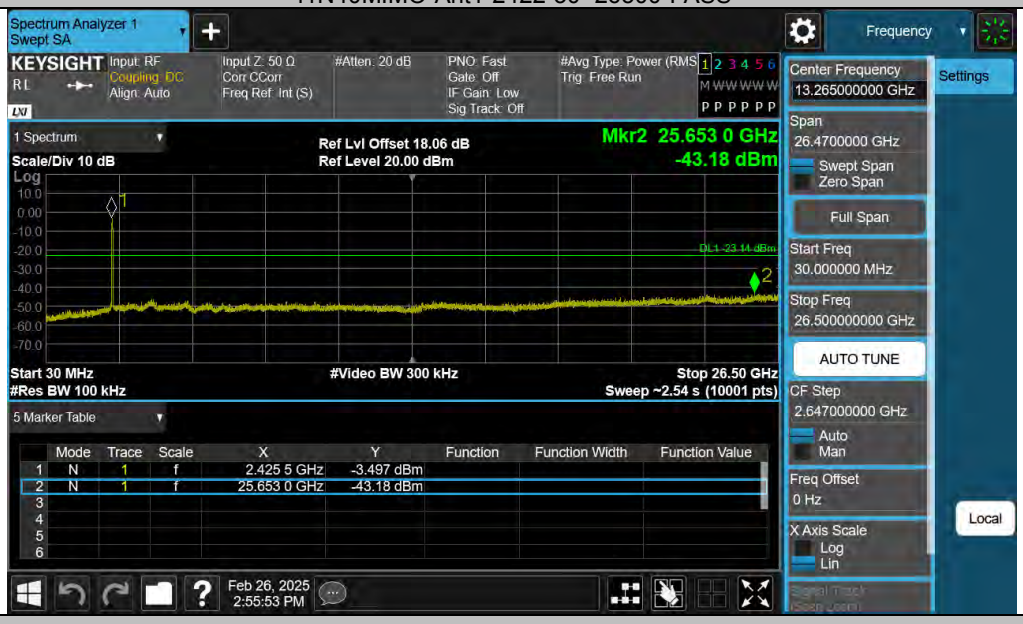
11N20MIMO-Ant1-2462-30~26500-PASS



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

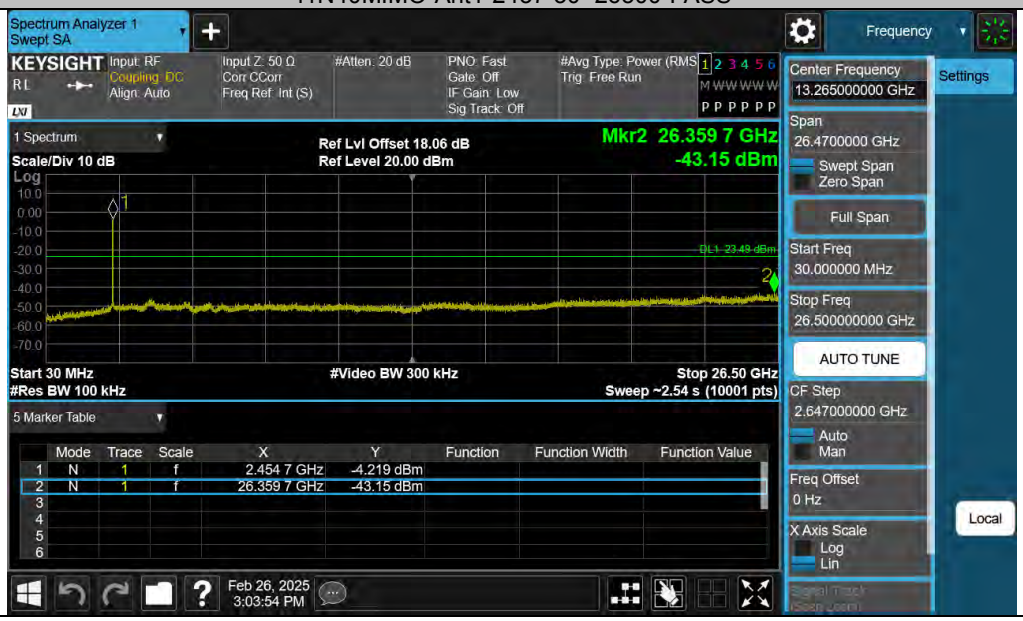


11N40MIMO-Ant1-2422-30~26500-PASS



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

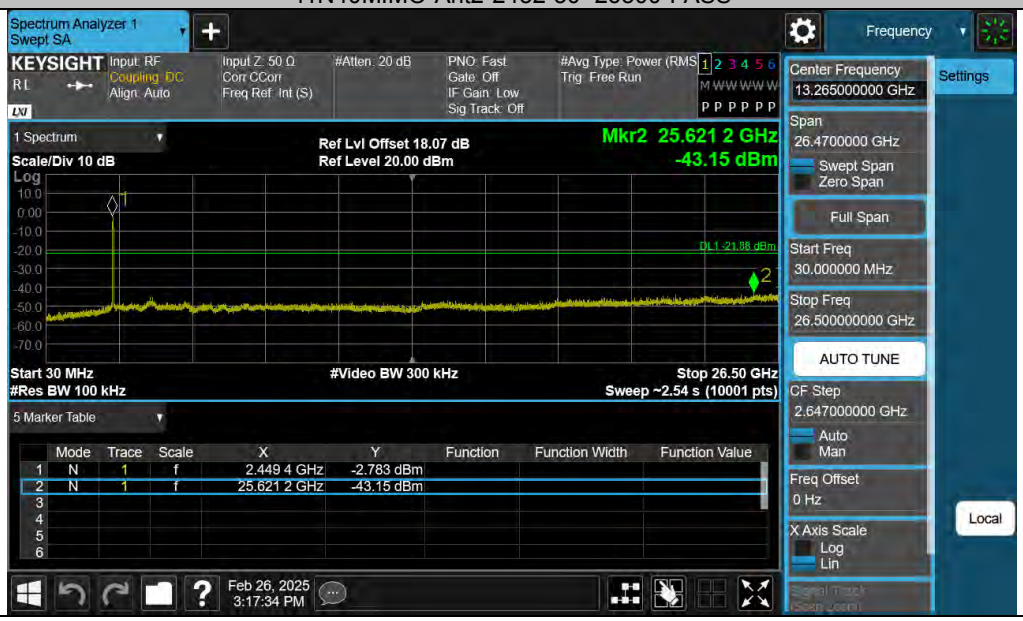
11N40MIMO-Ant1-2437-30~26500-PASS



11N40MIMO-Ant2-2437-30~26500-PASS

11N40MIMO-Ant1-2452-30~26500-PASS

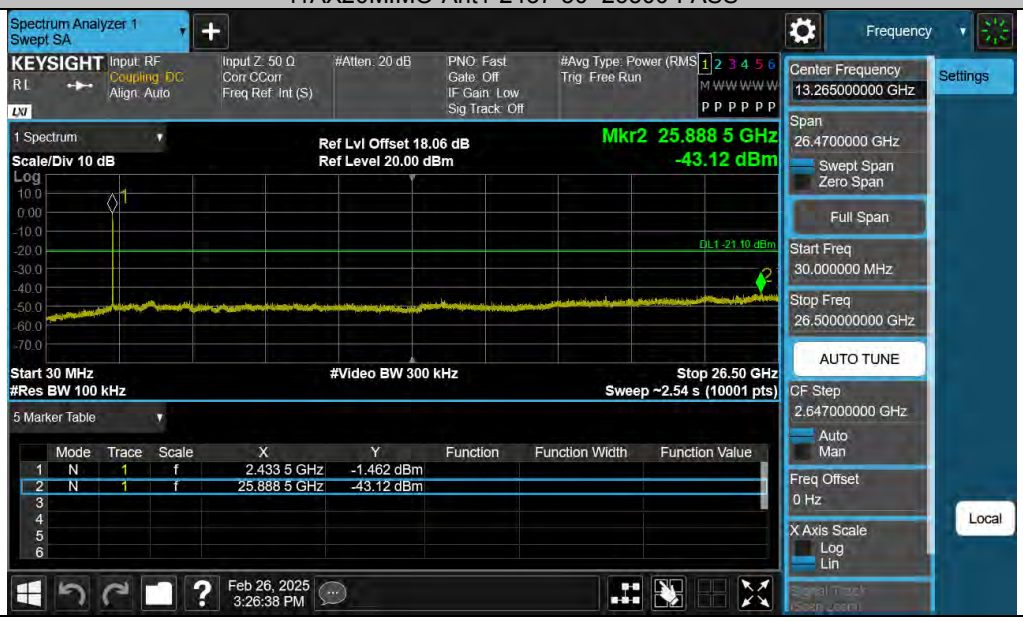
11N40MIMO-Ant2-2452-30~26500-PASS



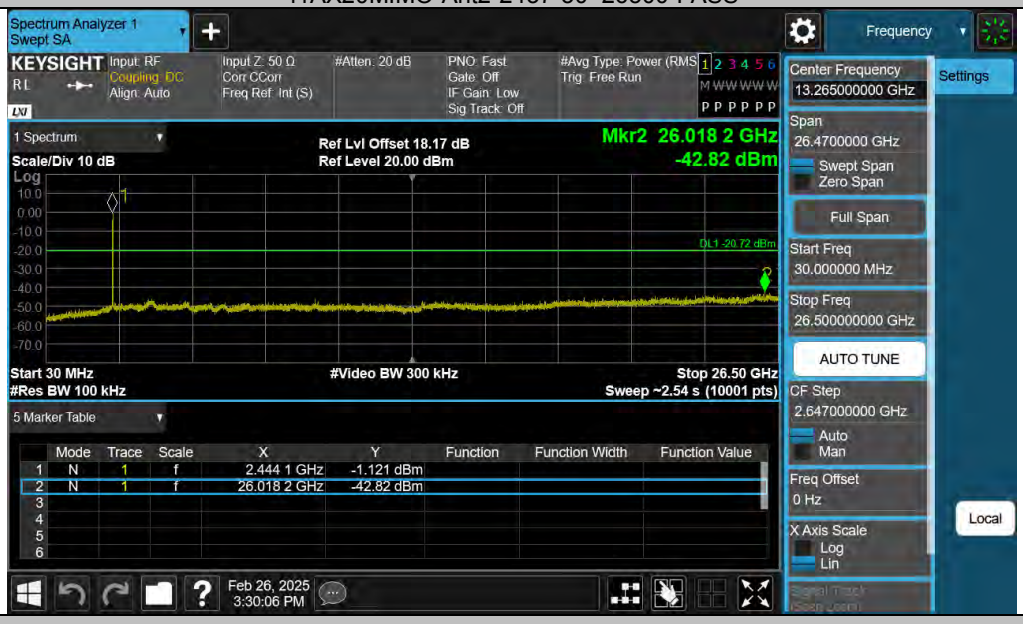
11AX20MIMO-Ant1-2412-30~26500-PASS

11AX20MIMO-Ant2-2412-30~26500-PASS

11AX20MIMO-Ant1-2437-30~26500-PASS



11AX20MIMO-Ant2-2437-30~26500-PASS



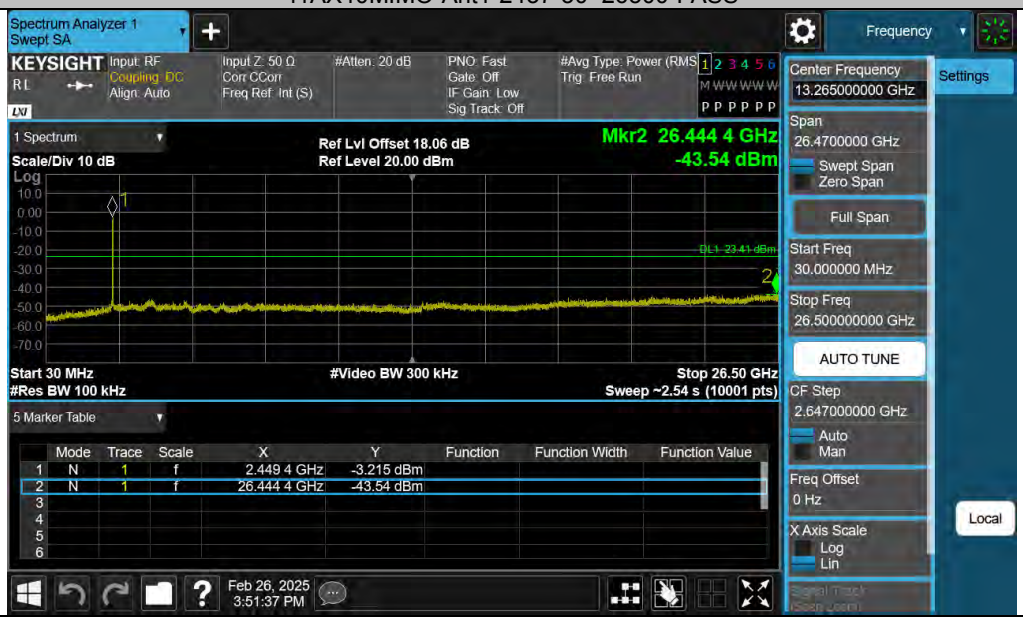
11AX20MIMO-Ant1-2462-30~26500-PASS

11AX20MIMO-Ant2-2462-30~26500-PASS

11AX40MIMO-Ant1-2422-30~26500-PASS

11AX40MIMO-Ant2-2422-30~26500-PASS

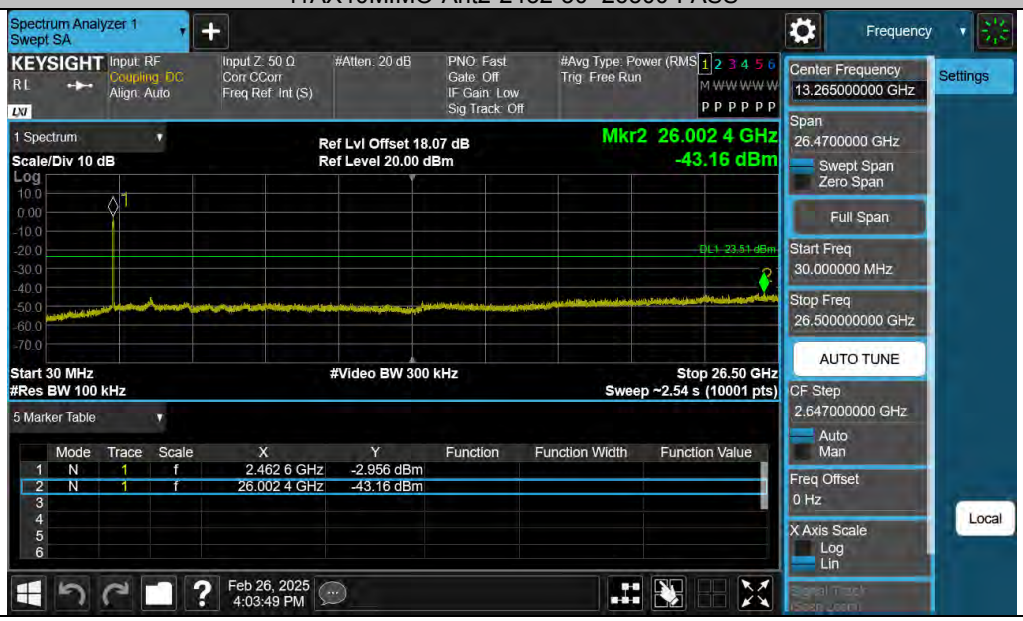
11AX40MIMO-Ant1-2437-30~26500-PASS



11AX40MIMO-Ant2-2437-30~26500-PASS

11AX40MIMO-Ant1-2452-30~26500-PASS

11AX40MIMO-Ant2-2452-30~26500-PASS



Appendix H: Duty Cycle

Test Result

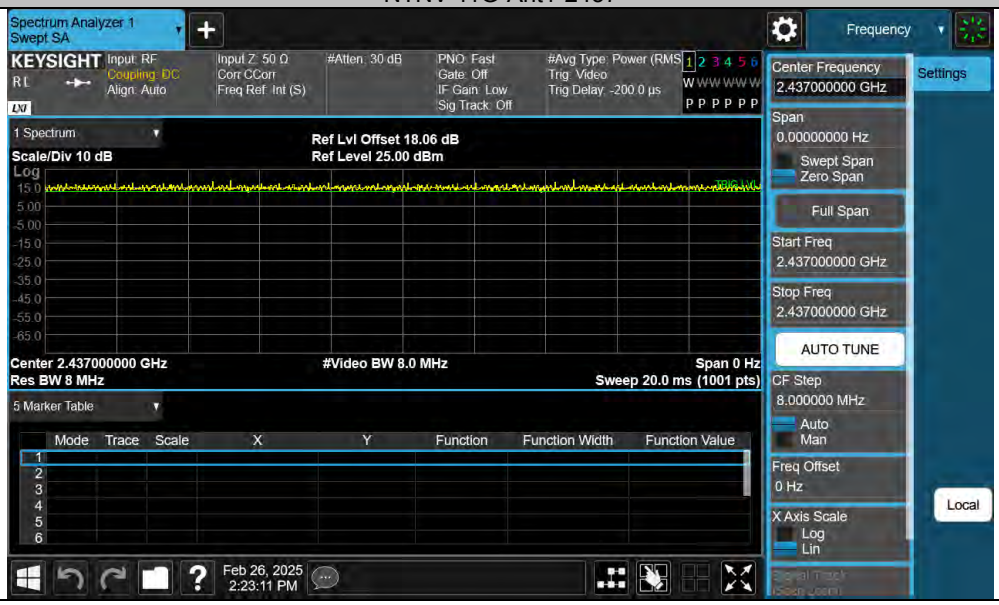
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	30.00	30.00	100.00
11B	Ant2	2437	20.00	20.00	100.00
11G	Ant1	2437	20.00	20.00	100.00
11G	Ant2	2437	2.73	2.74	99.64
11N20MIMO	Ant1	2437	1.27	1.28	99.22
11N20MIMO	Ant2	2437	1.27	1.28	99.22
11N40MIMO	Ant1	2437	20.00	20.00	100.00
11N40MIMO	Ant2	2437	0.63	0.64	98.44
11AX20MIMO	Ant1	2437	3.96	3.97	99.75
11AX20MIMO	Ant2	2437	0.98	0.99	98.99
11AX40MIMO	Ant1	2437	1.04	1.05	99.05
11AX40MIMO	Ant2	2437	1.05	1.06	99.06

Test Graphs

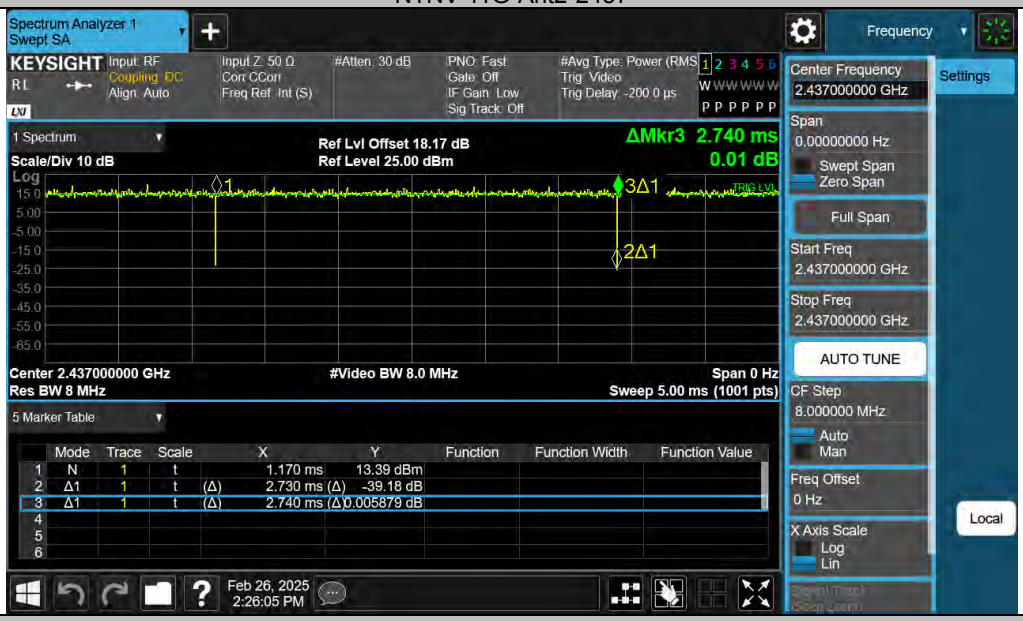
NTNV-11B-Ant1-2437

NTNV-11B-Ant2-2437

NTNV-11G-Ant1-2437

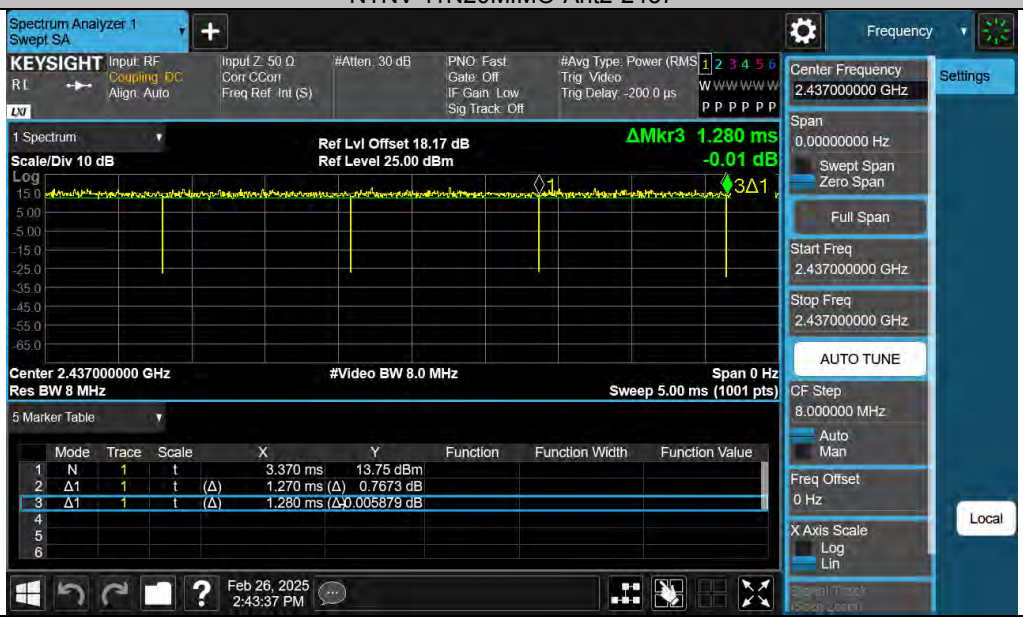


NTNV-11G-Ant2-2437

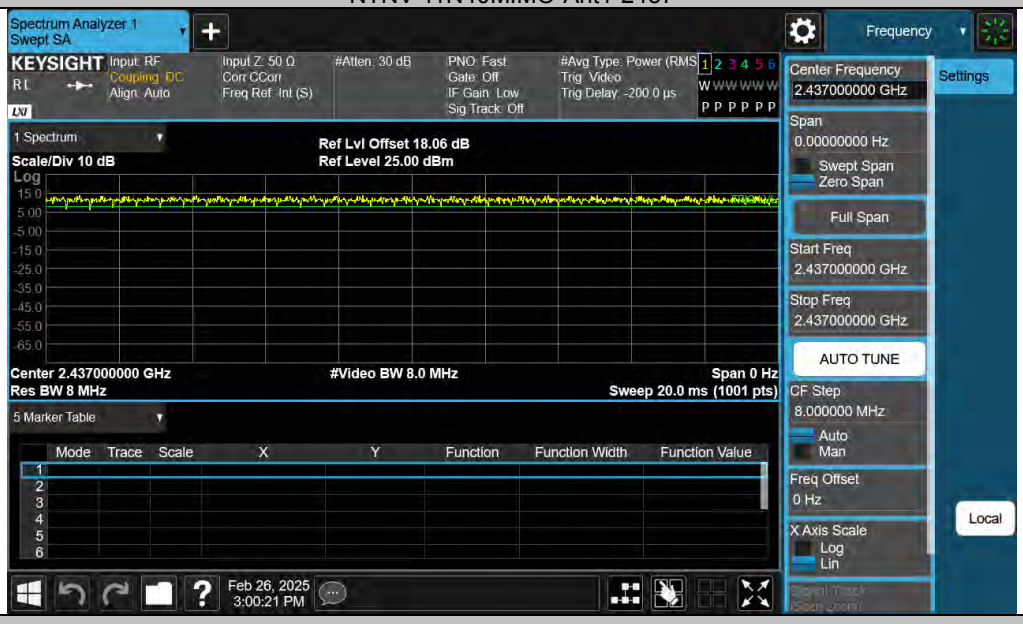


NTNV-11N20MIMO-Ant1-2437

NTNV-11N20MIMO-Ant2-2437



NTNV-11N40MIMO-Ant1-2437



NTNV-11N40MIMO-Ant2-2437

NTNV-11AX20MIMO-Ant1-2437

NTNV-11AX20MIMO-Ant2-2437

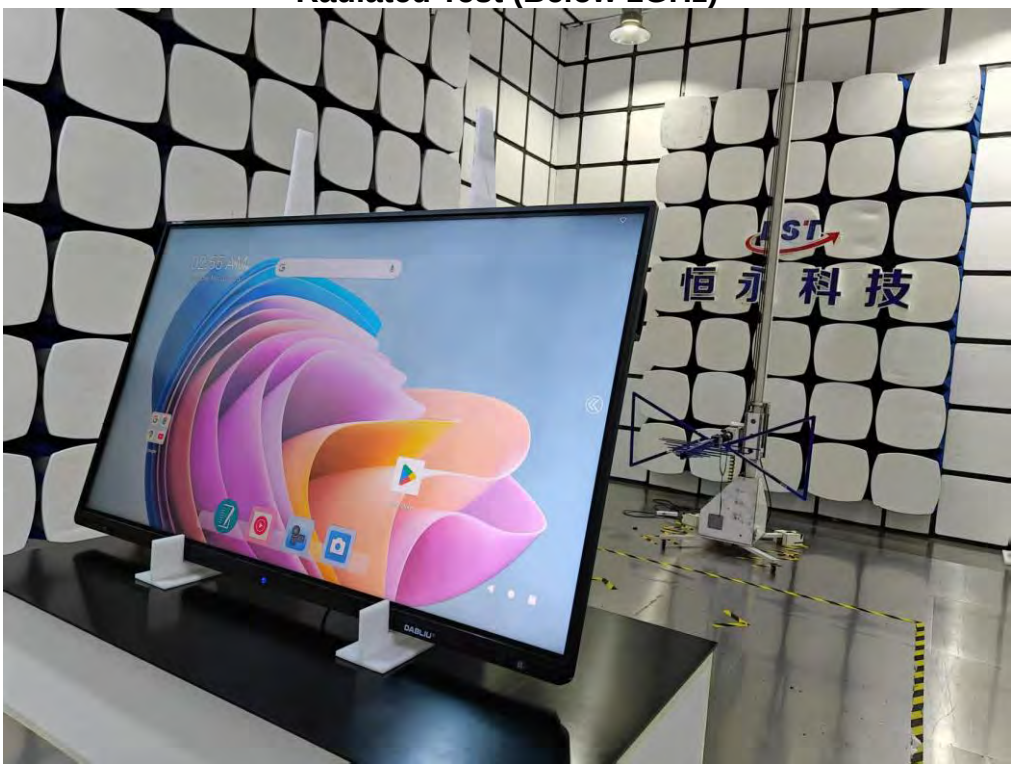
NTNV-11AX40MIMO-Ant1-2437

NTNV-11AX40MIMO-Ant2-2437

12. TEST SETUP PHOTO

Conducted Test

Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)

13. EUT PHOTO

Refer to report no. ESTE-R2503271

End of Test Report