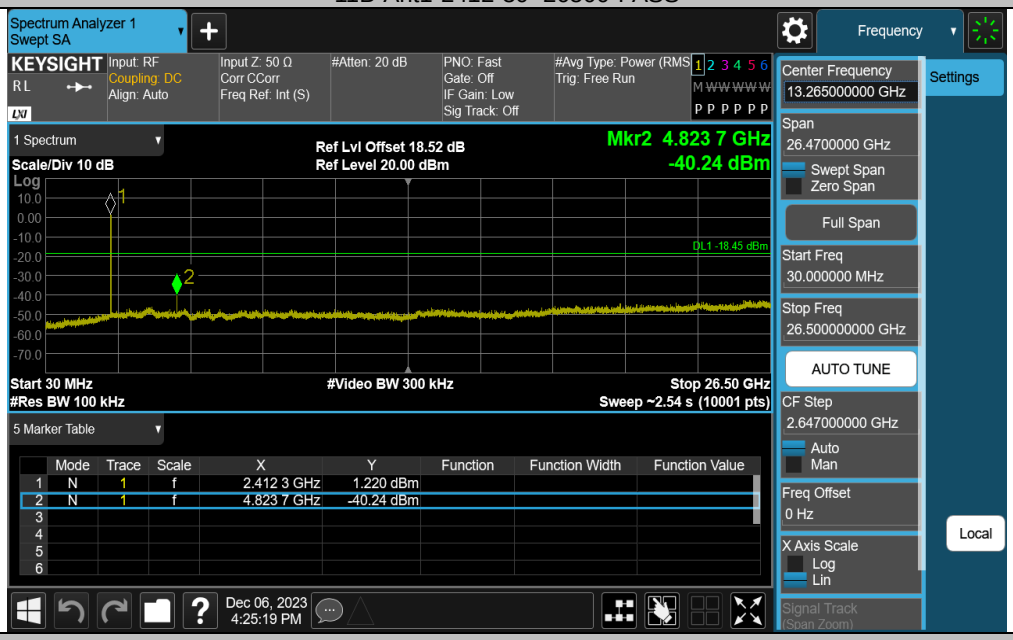
Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~26500	1.55	-40.24	≤-18.45	PASS
11B	Ant2	2412	30~26500	1.74	-42.47	≤-18.26	PASS
11B	Ant1	2437	30~26500	1.03	-38.63	≤-18.97	PASS
11B	Ant2	2437	30~26500	2.13	-41.56	≤-17.87	PASS
11B	Ant1	2462	30~26500	2.50	-41.01	≤-17.5	PASS
11B	Ant2	2462	30~26500	1.33	-42.58	≤-18.67	PASS
11G	Ant1	2412	30~26500	-4.00	-42.08	≤-24	PASS
11G	Ant2	2412	30~26500	-4.41	-42.24	≤-24.41	PASS
11G	Ant1	2437	30~26500	-3.83	-42.78	≤-23.83	PASS
11G	Ant2	2437	30~26500	-4.12	-42.22	≤-24.12	PASS
11G	Ant1	2462	30~26500	-3.75	-41.77	≤-23.75	PASS
11G	Ant2	2462	30~26500	-4.07	-42.41	≤-24.07	PASS
11N20MIMO	Ant1	2412	30~26500	-6.47	-42.45	≤-26.47	PASS
11N20MIMO	Ant2	2412	30~26500	-6.25	-41.76	≤-26.25	PASS
11N20MIMO	Ant1	2437	30~26500	-6.23	-41.92	≤-26.23	PASS
11N20MIMO	Ant2	2437	30~26500	-6.46	-41.62	≤-26.46	PASS
11N20MIMO	Ant1	2462	30~26500	-5.52	-42.25	≤-25.52	PASS
11N20MIMO	Ant2	2462	30~26500	-5.70	-42.75	≤-25.7	PASS
11N40MIMO	Ant1	2422	30~26500	-8.36	-42.54	≤-28.36	PASS
11N40MIMO	Ant2	2422	30~26500	-7.84	-42.48	≤-27.84	PASS
11N40MIMO	Ant1	2437	30~26500	-8.84	-42.12	≤-28.84	PASS
11N40MIMO	Ant2	2437	30~26500	-8.01	-42.42	≤-28.01	PASS
11N40MIMO	Ant1	2452	30~26500	-8.08	-42.37	≤-28.08	PASS
11N40MIMO	Ant2	2452	30~26500	-8.01	-42.28	≤-28.01	PASS
11AX20MIMO	Ant1	2412	30~26500	-6.87	-41.92	≤-26.87	PASS
11AX20MIMO	Ant2	2412	30~26500	-7.80	-42.82	≤-27.8	PASS
11AX20MIMO	Ant1	2437	30~26500	-8.02	-42.93	≤-28.02	PASS
11AX20MIMO	Ant2	2437	30~26500	-8.14	-42.74	≤-28.14	PASS
11AX20MIMO	Ant1	2462	30~26500	-7.49	-43.25	≤-27.49	PASS
11AX20MIMO	Ant2	2462	30~26500	-6.60	-42.97	≤-26.6	PASS
11AX40MIMO	Ant1	2422	30~26500	-10.24	-42.64	≤-30.24	PASS
11AX40MIMO	Ant2	2422	30~26500	-8.10	-42.5	≤-28.1	PASS
11AX40MIMO	Ant1	2437	30~26500	-10.55	-42.84	≤-30.55	PASS
11AX40MIMO	Ant2	2437	30~26500	-10.53	-42.21	≤-30.53	PASS
11AX40MIMO	Ant1	2452	30~26500	-10.43	-42.13	≤-30.43	PASS
11AX40MIMO	Ant2	2452	30~26500	-9.02	-42.33	≤-29.02	PASS

Test Graphs

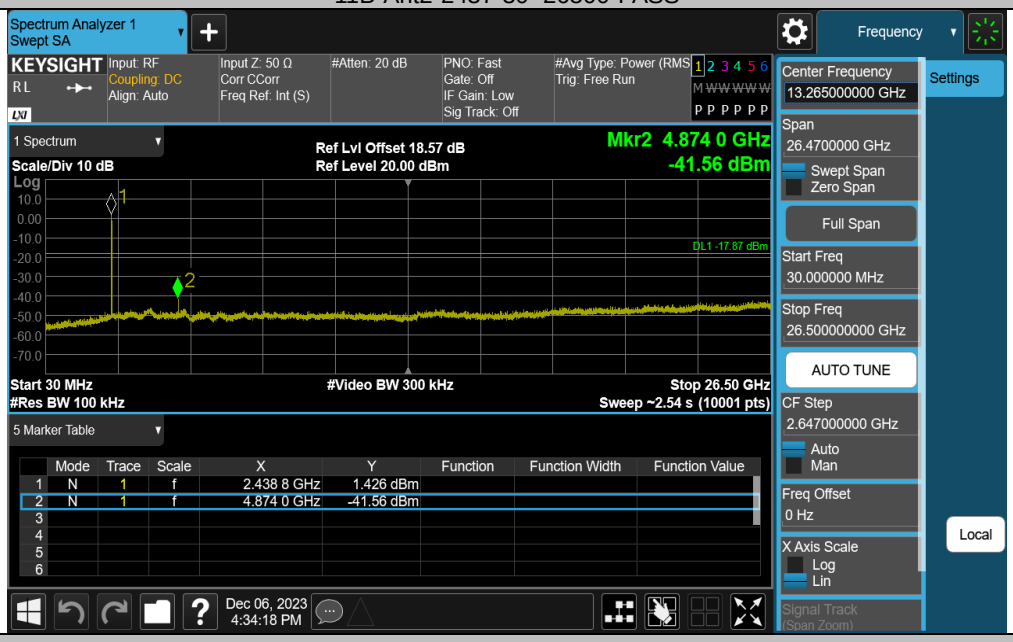
11B-Ant1-2412-30~26500-PASS



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

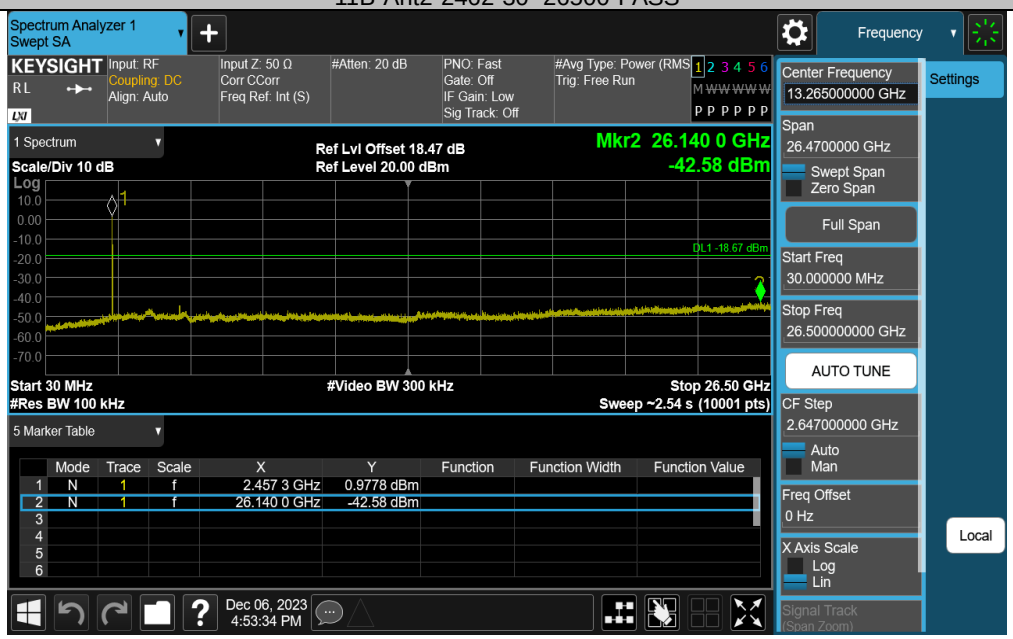
11B-Ant1-2437-30~26500-PASS

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

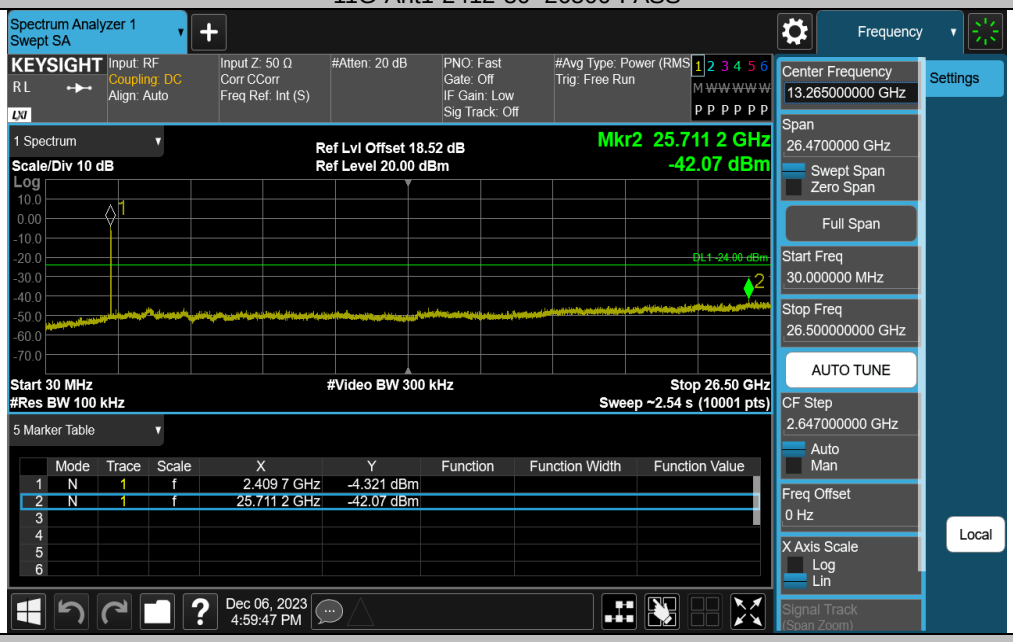


11B-Ant1-2462-30~26500-PASS

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

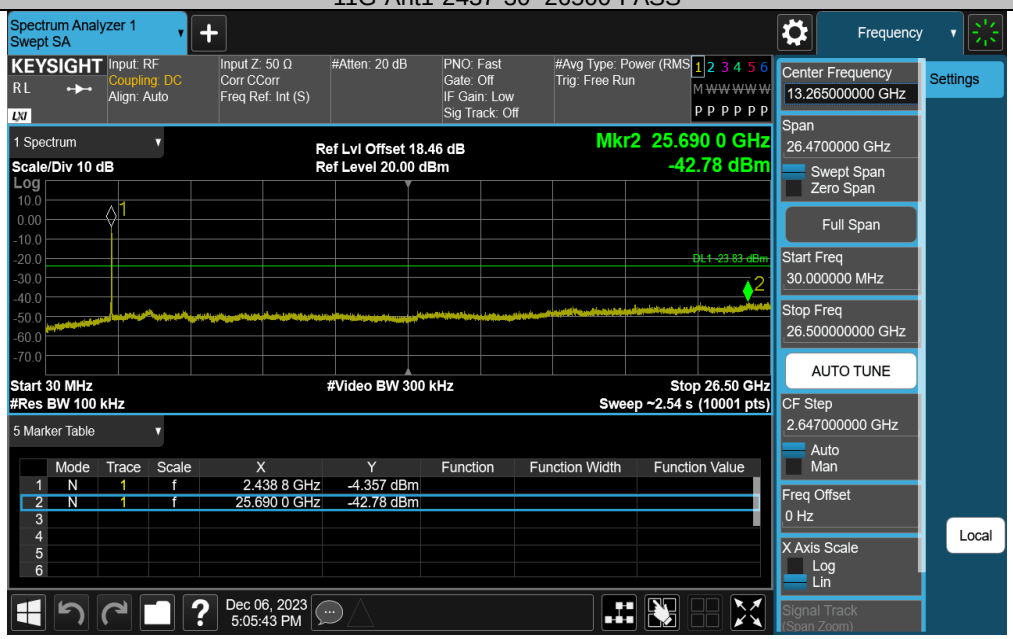


11G-Ant1-2412-30~26500-PASS

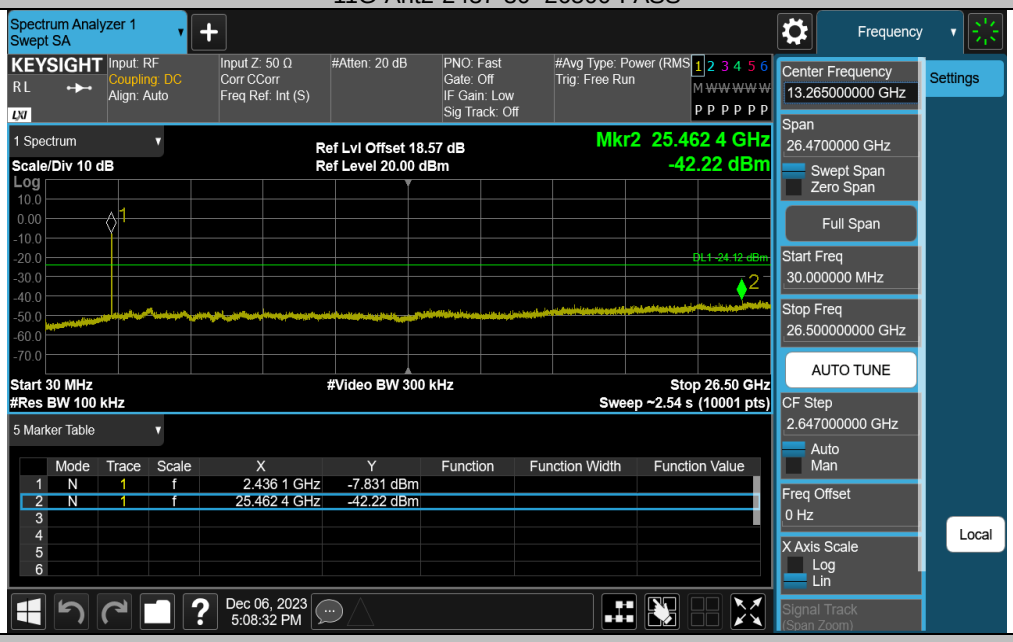


11G-Ant2-2412-30~26500-PASS

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

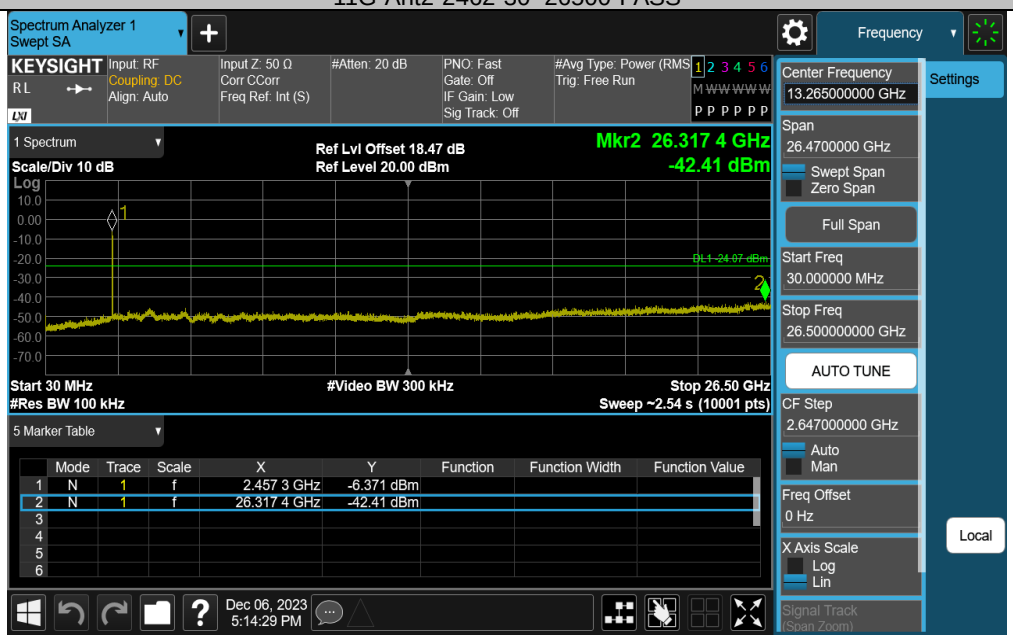


11G-Ant2-2437-30~26500-PASS

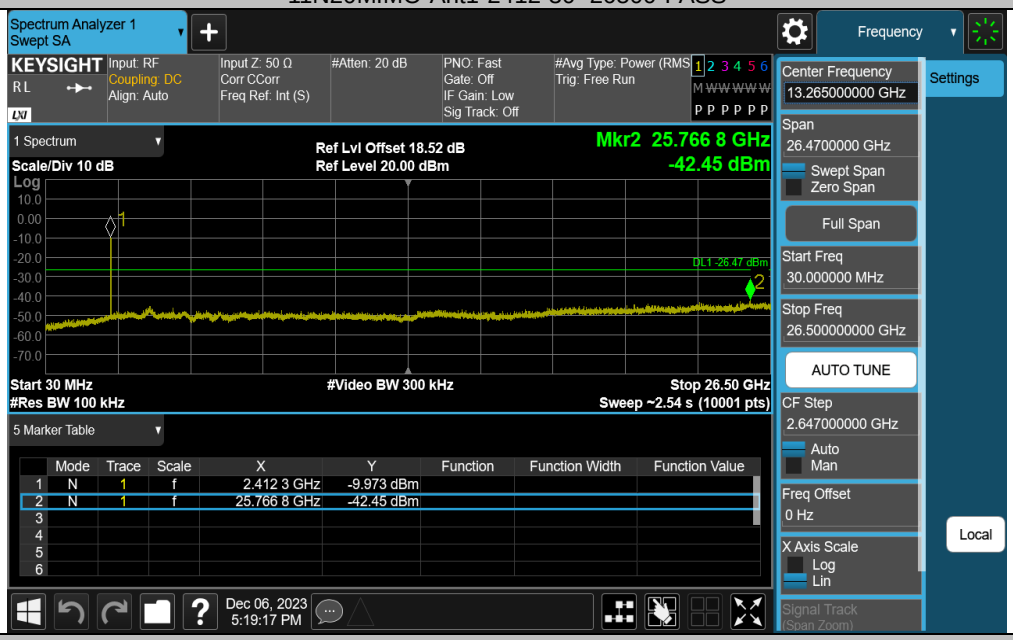


11G-Ant1-2462-30~26500-PASS

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

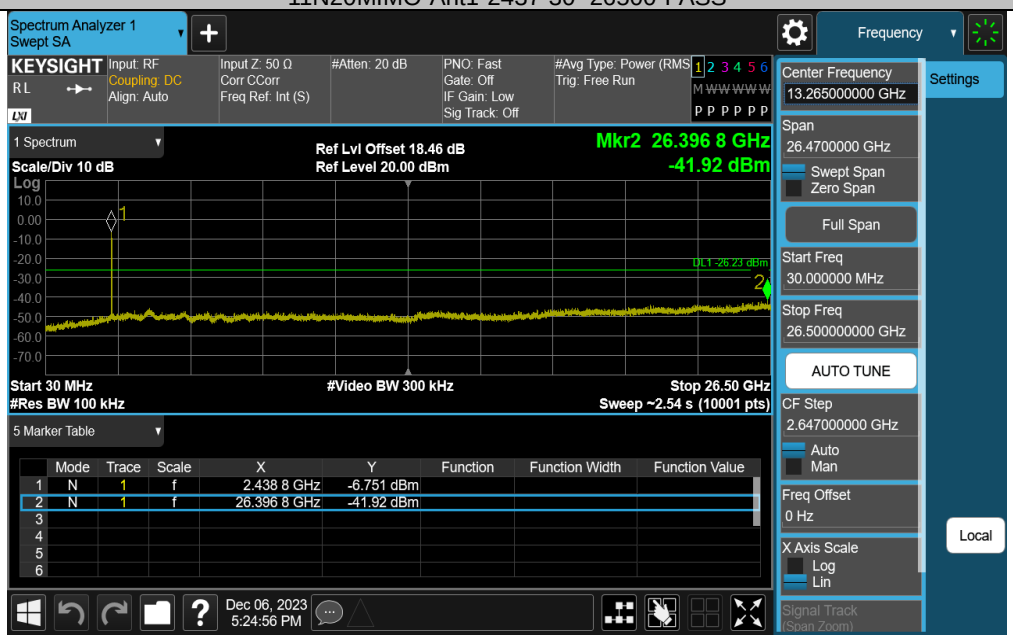


11N20MIMO-Ant1-2412-30~26500-PASS

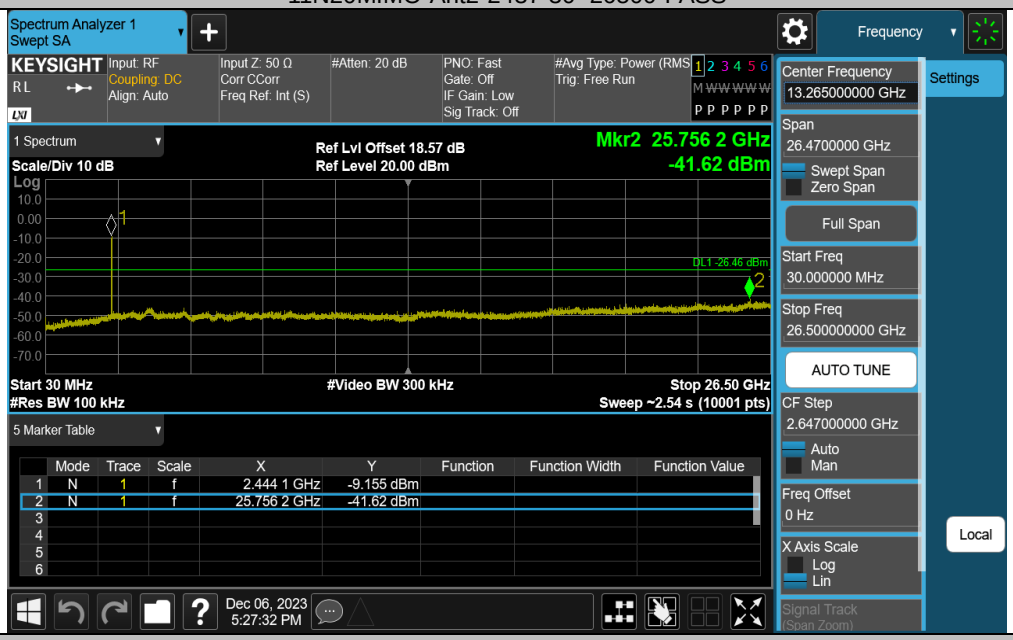


11N20MIMO-Ant2-2412-30~26500-PASS

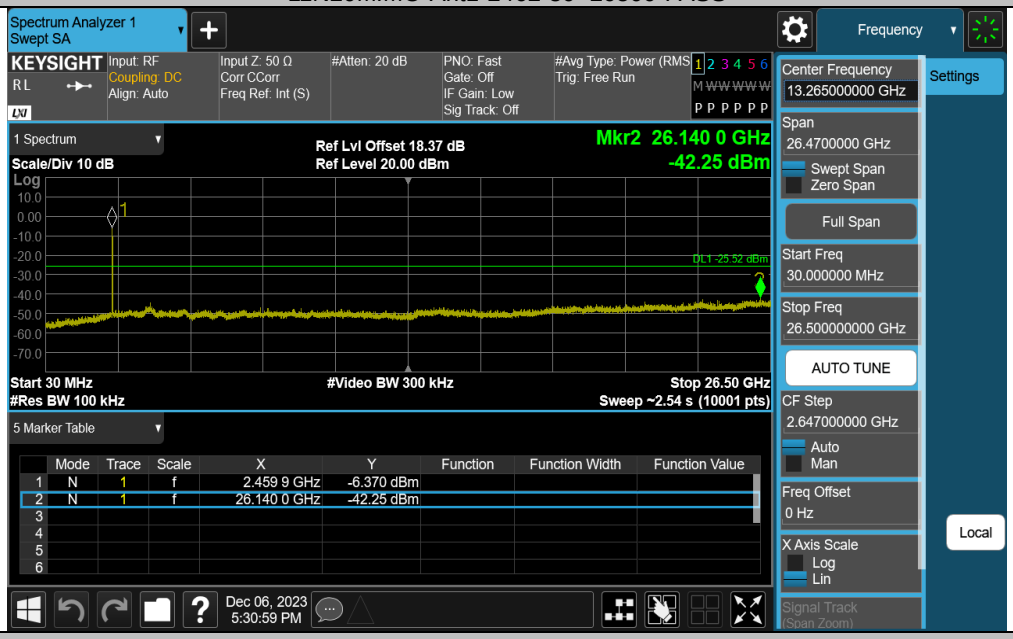
11N20MIMO-Ant1-2437-30~26500-PASS



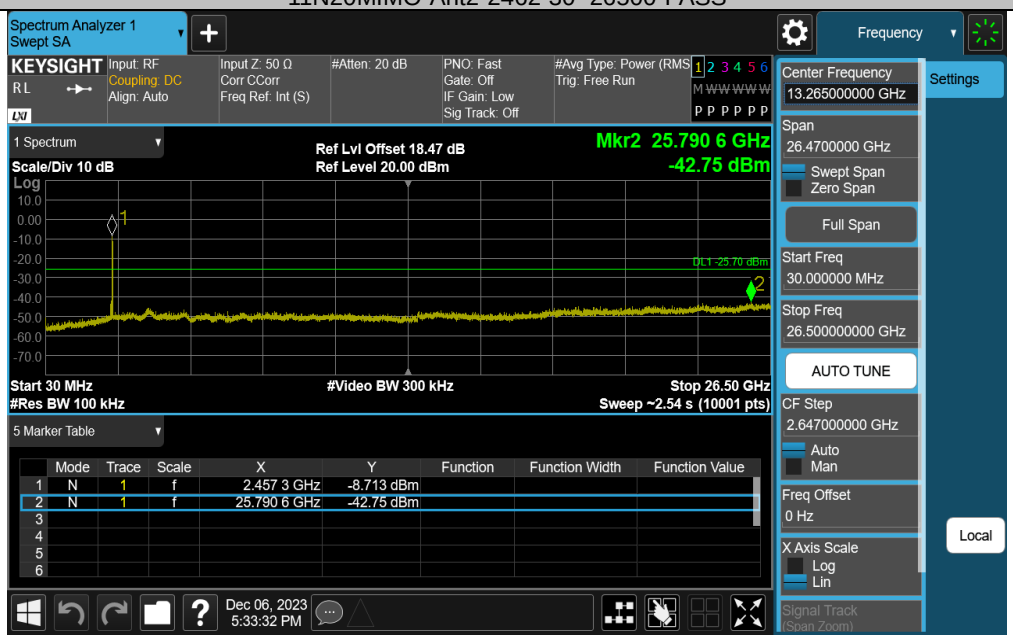
11N20MIMO-Ant2-2437-30~26500-PASS



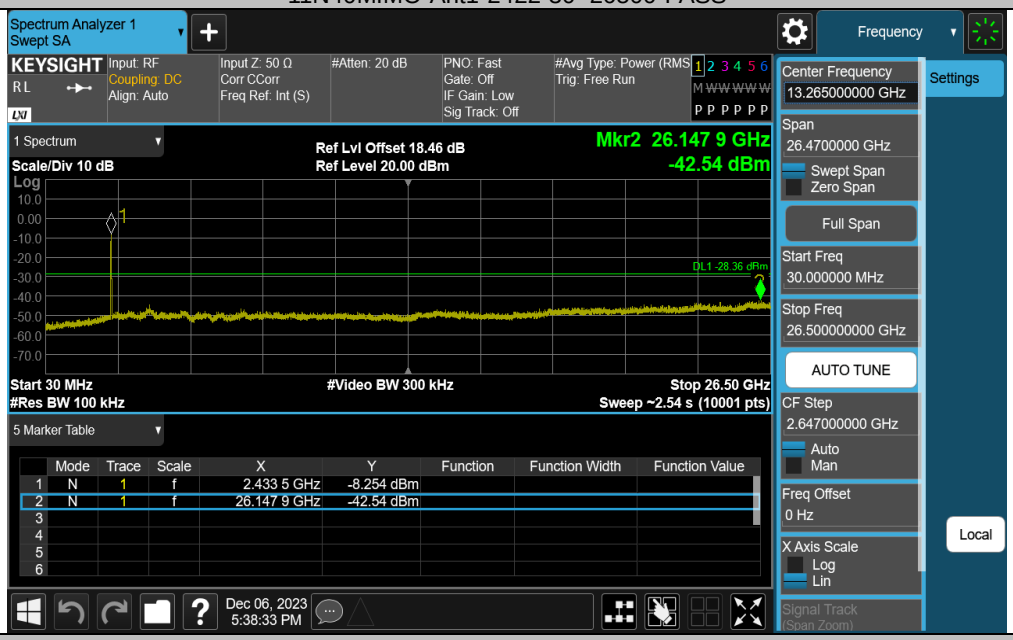
11N20MIMO-Ant1-2462-30~26500-PASS



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

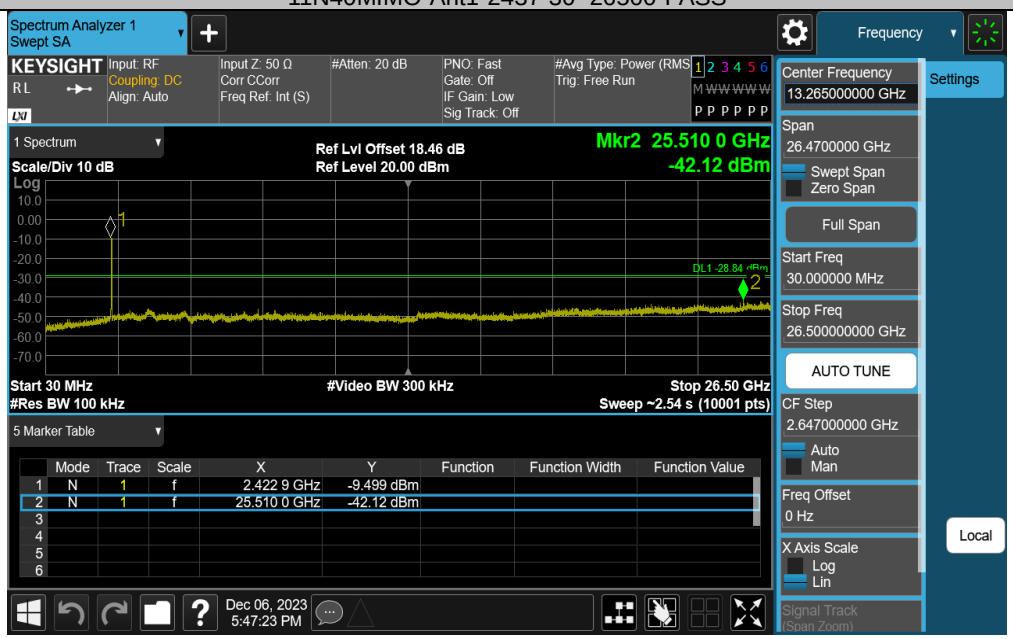


11N40MIMO-Ant1-2422-30~26500-PASS

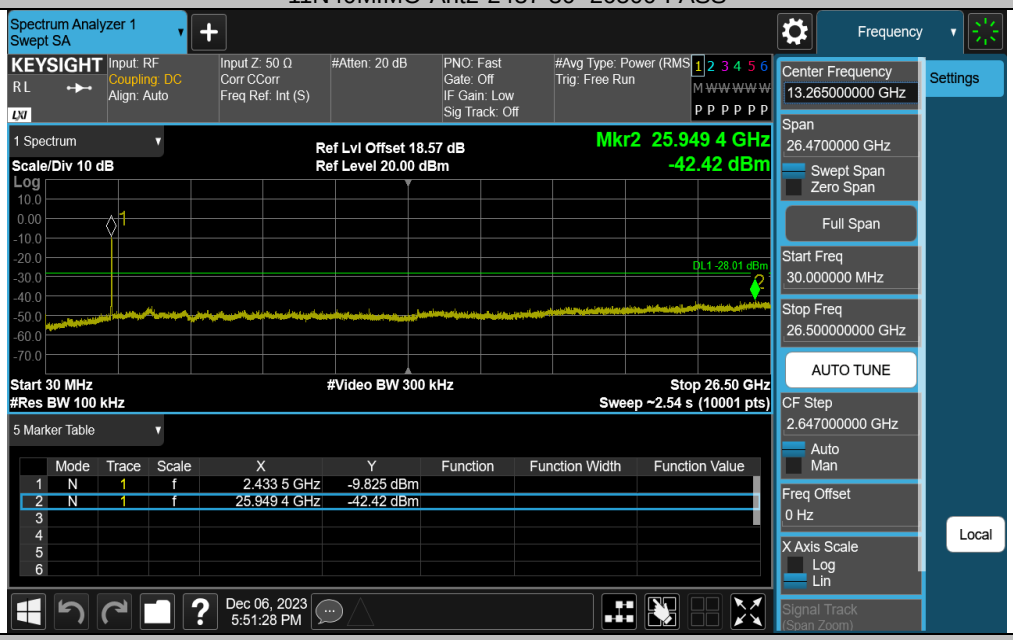


11N40MIMO-Ant2-2422-30~26500-PASS

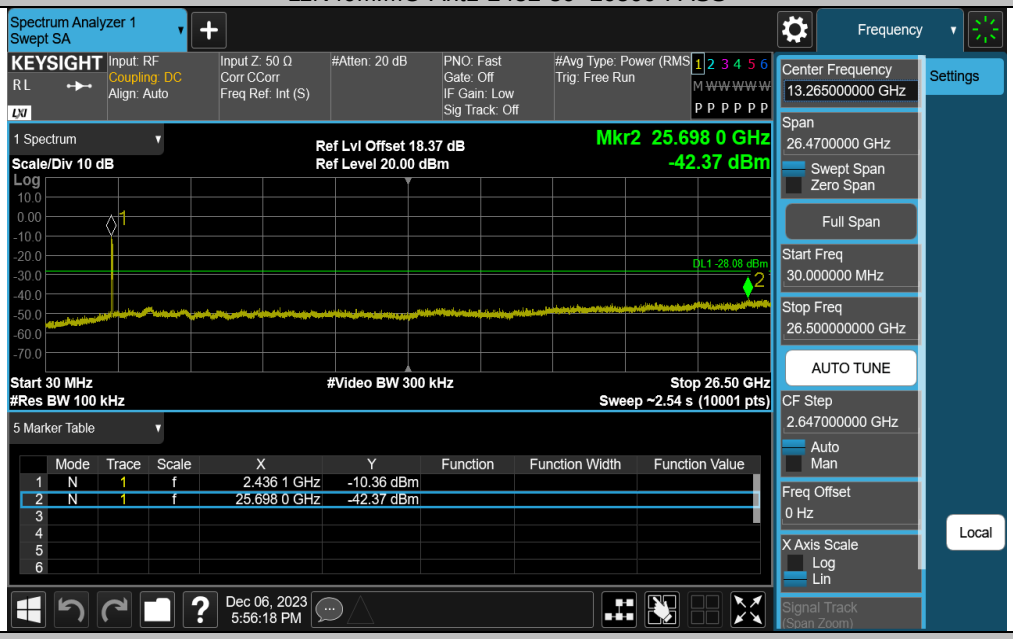
11N40MIMO-Ant1-2437-30~26500-PASS



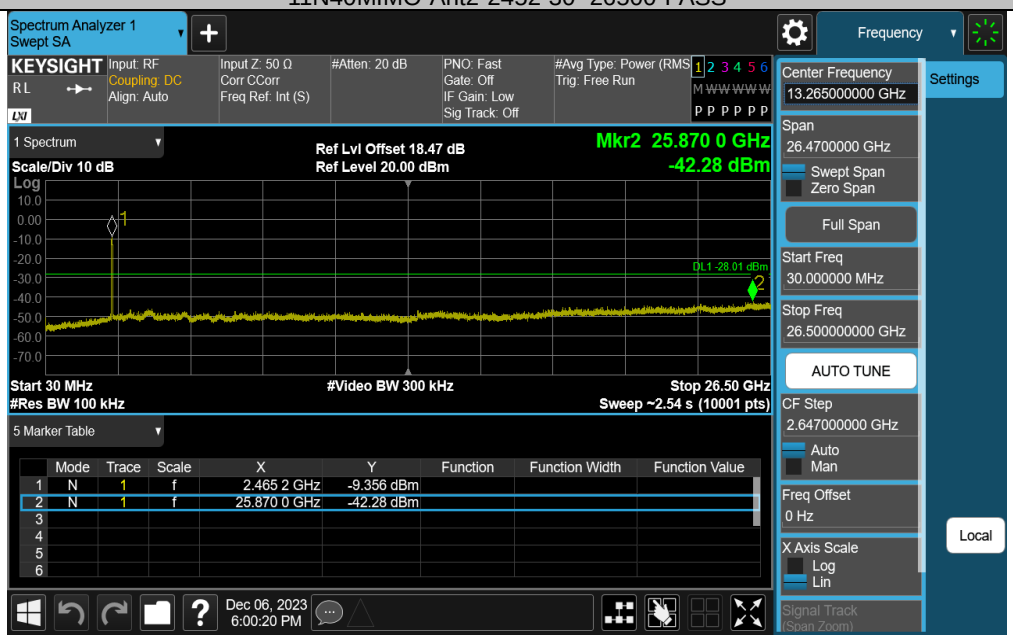
11N40MIMO-Ant2-2437-30~26500-PASS



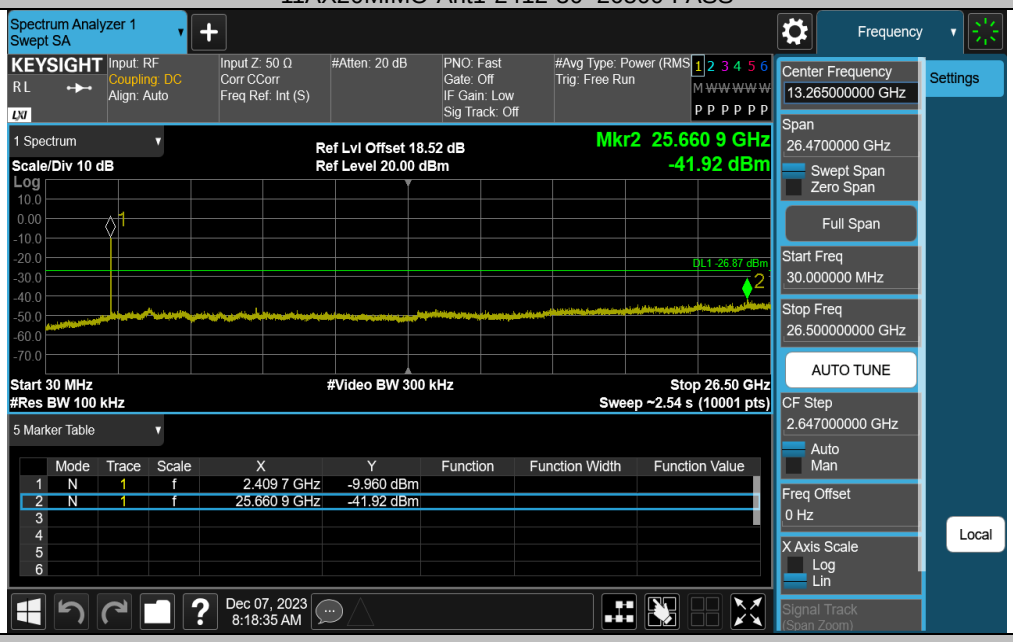
11N40MIMO-Ant1-2452-30~26500-PASS



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

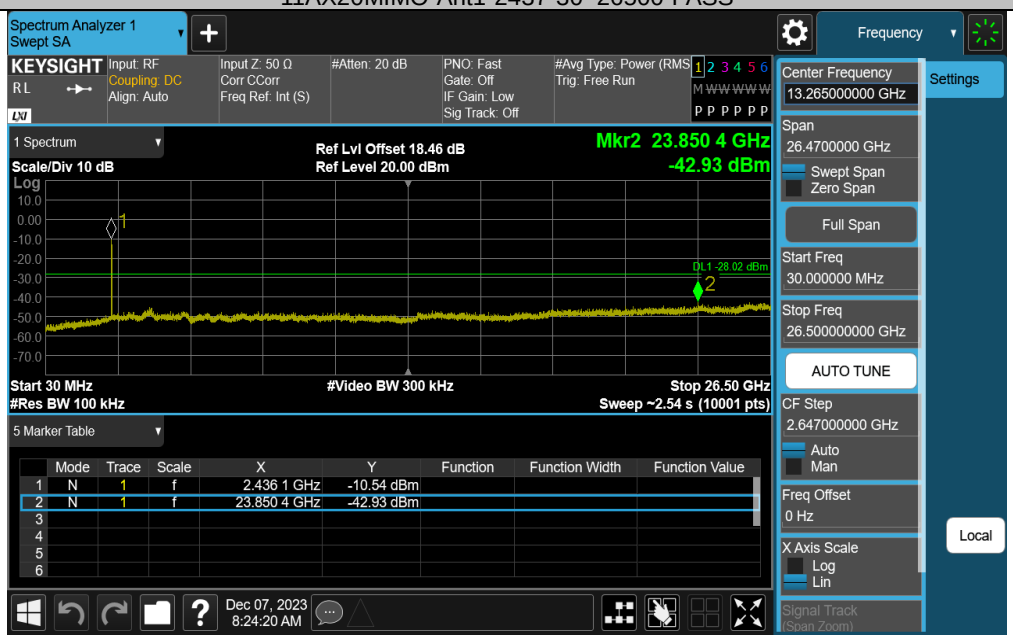


11AX20MIMO-Ant1-2412-30~26500-PASS

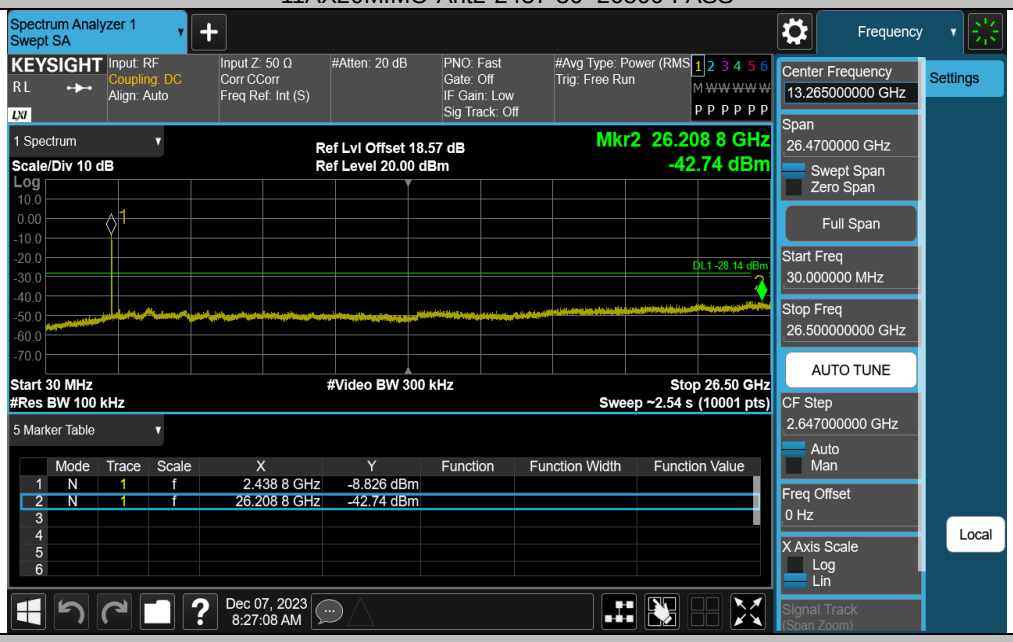


11AX20MIMO-Ant2-2412-30~26500-PASS

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

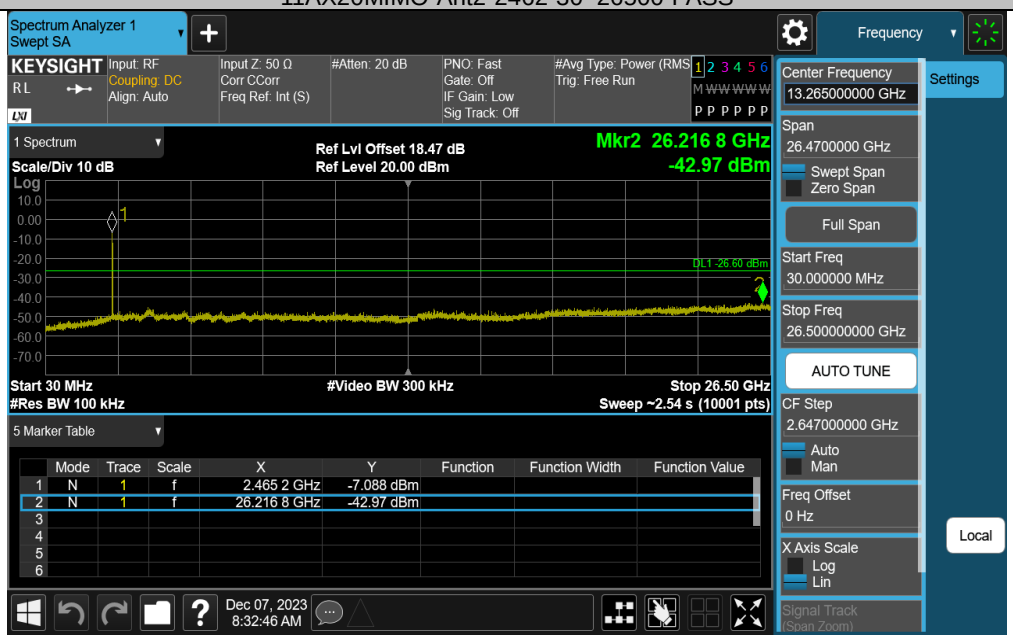


11AX20MIMO-Ant2-2437-30~26500-PASS

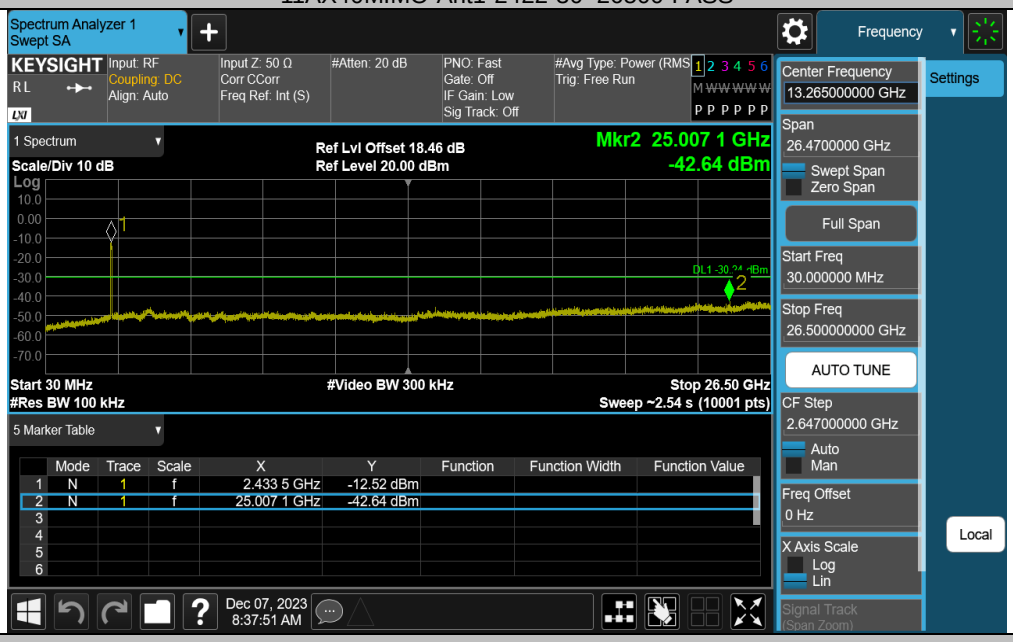


11AX20MIMO-Ant1-2462-30~26500-PASS

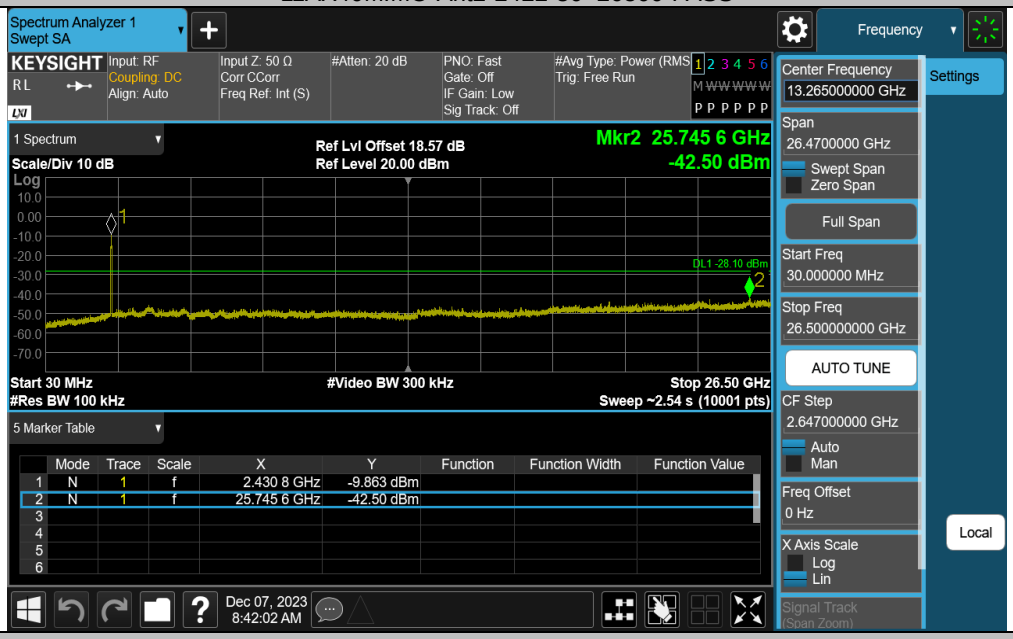
11AX20MIMO-Ant2-2462-30~26500-PASS



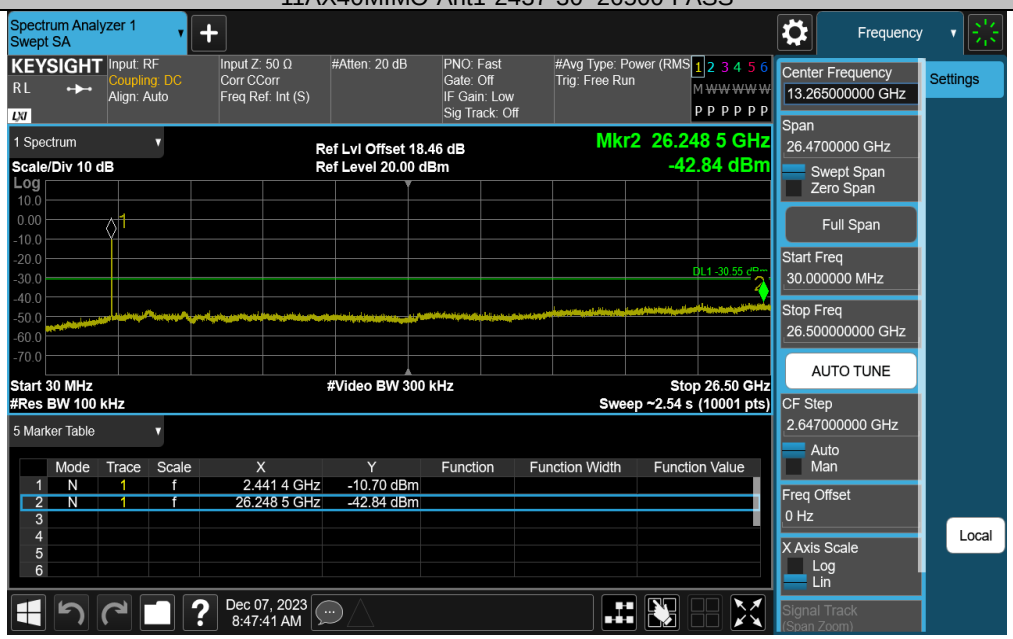
11AX40MIMO-Ant1-2422-30~26500-PASS



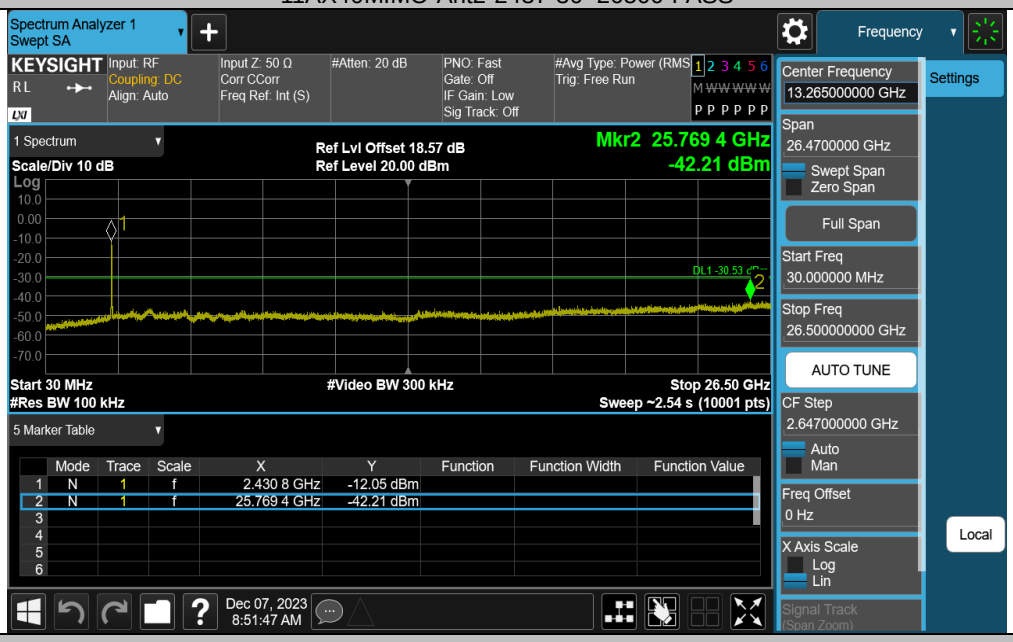
11AX40MIMO-Ant2-2422-30~26500-PASS



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

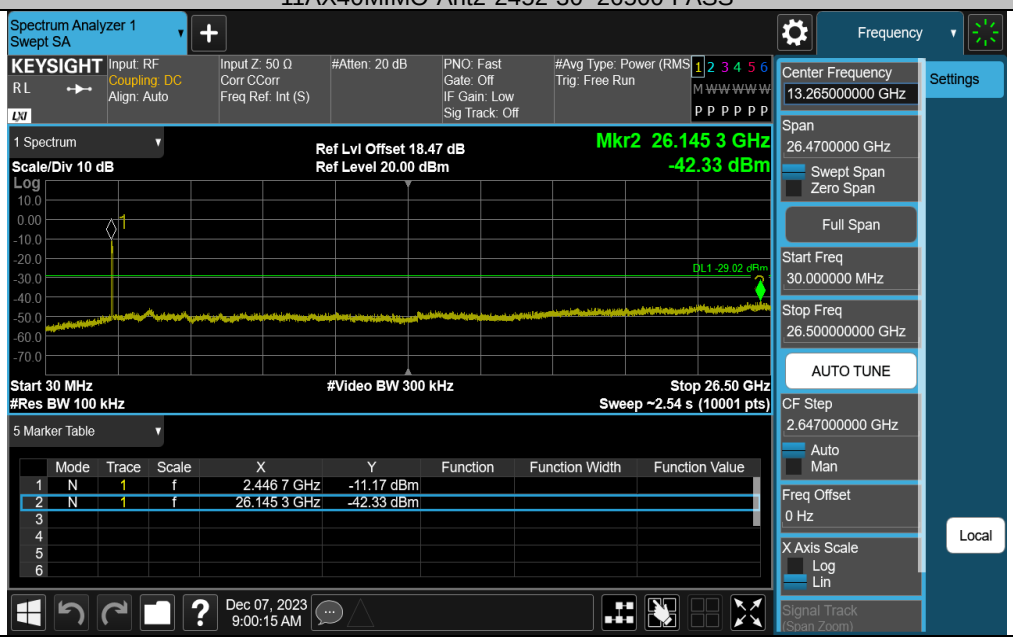


11AX40MIMO-Ant2-2437-30~26500-PASS



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

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



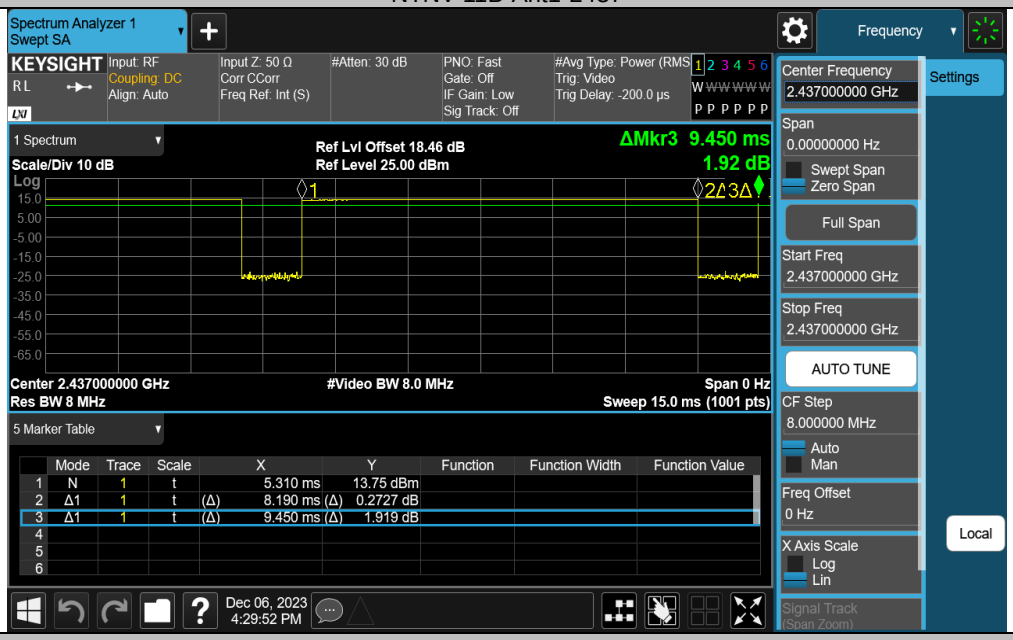
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	8.19	9.45	86.67
11B	Ant2	2437	8.19	9.45	86.67
11G	Ant1	2437	1.36	2.61	52.11
11G	Ant2	2437	1.36	2.62	51.91
11N20MIMO	Ant1	2437	1.15	2.40	47.92
11N20MIMO	Ant2	2437	1.14	2.40	47.50
11N40MIMO	Ant1	2437	0.57	1.82	31.32
11N40MIMO	Ant2	2437	0.57	1.82	31.32
11AX20MIMO	Ant1	2437	0.99	2.25	44.00
11AX20MIMO	Ant2	2437	0.99	2.25	44.00
11AX40MIMO	Ant1	2437	0.52	1.78	29.21
11AX40MIMO	Ant2	2437	0.52	1.78	29.21

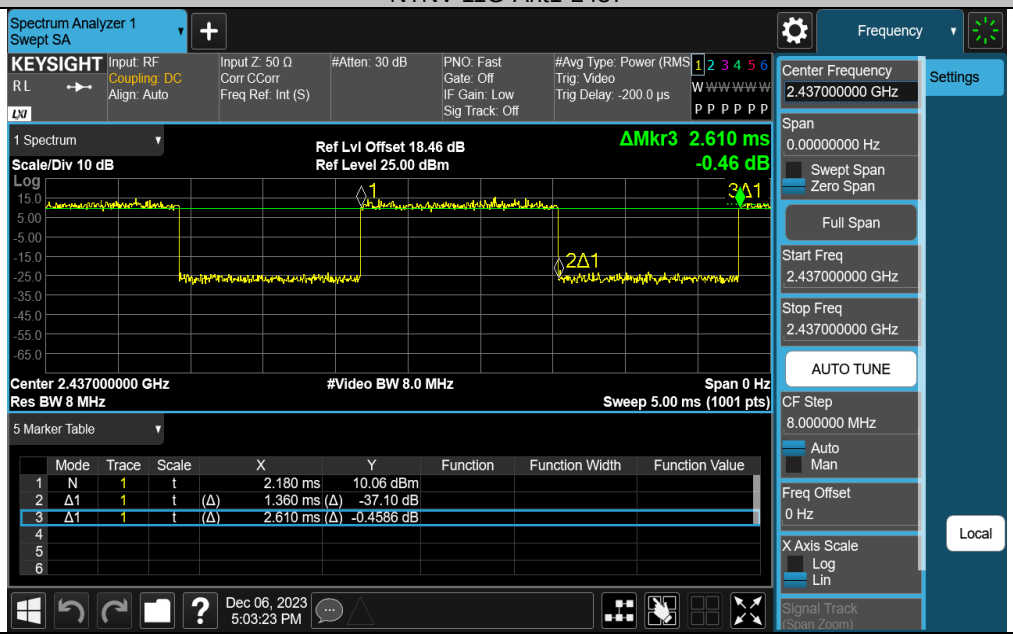
Test Graphs

NTNV-11B-Ant1-2437

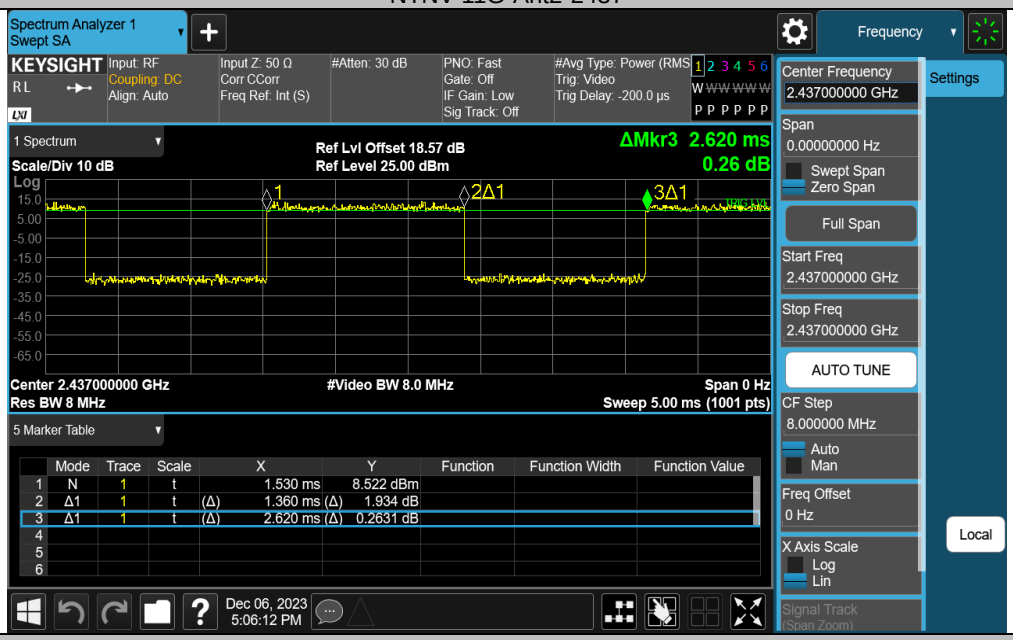


NTNV-11B-Ant2-2437

NTNV-11G-Ant1-2437

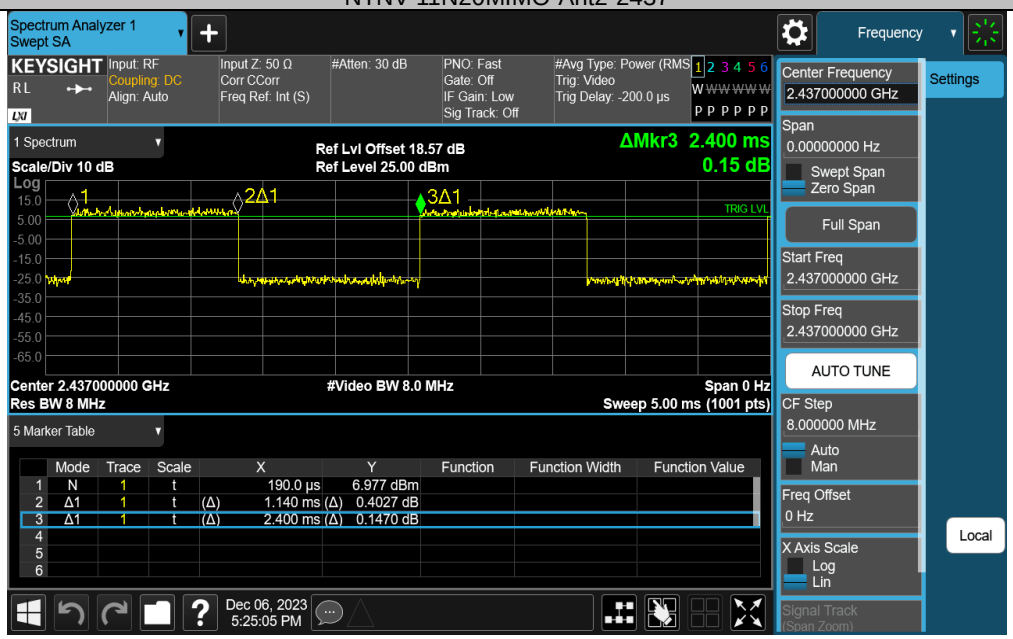


NTNV-11G-Ant2-2437



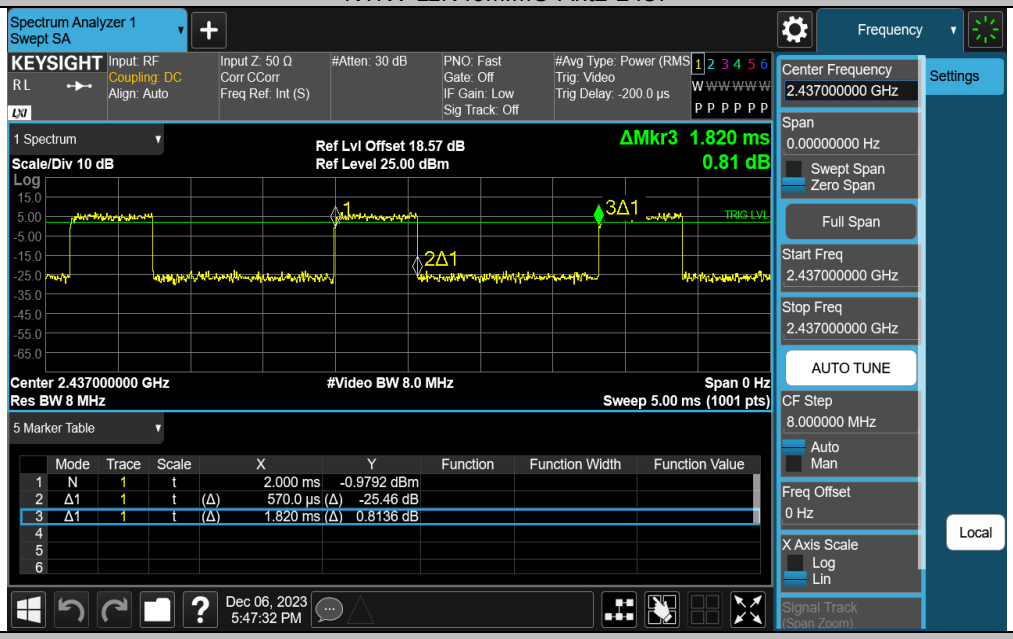
NTNV-11N20MIMO-Ant1-2437

NTNV-11N20MIMO-Ant2-2437



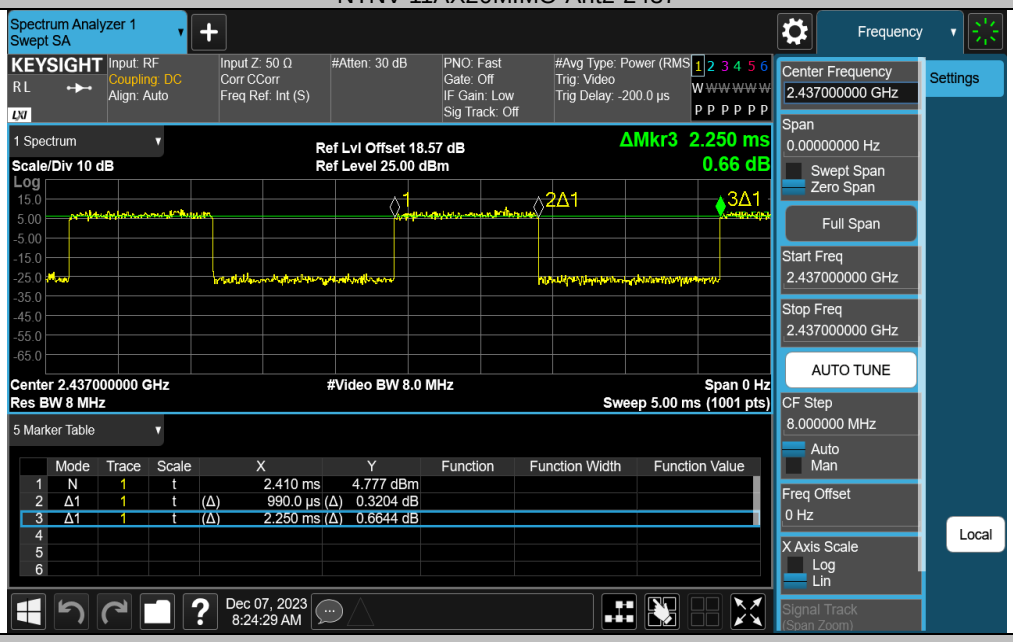
NTNV-11N40MIMO-Ant1-2437

NTNV-11N40MIMO-Ant2-2437



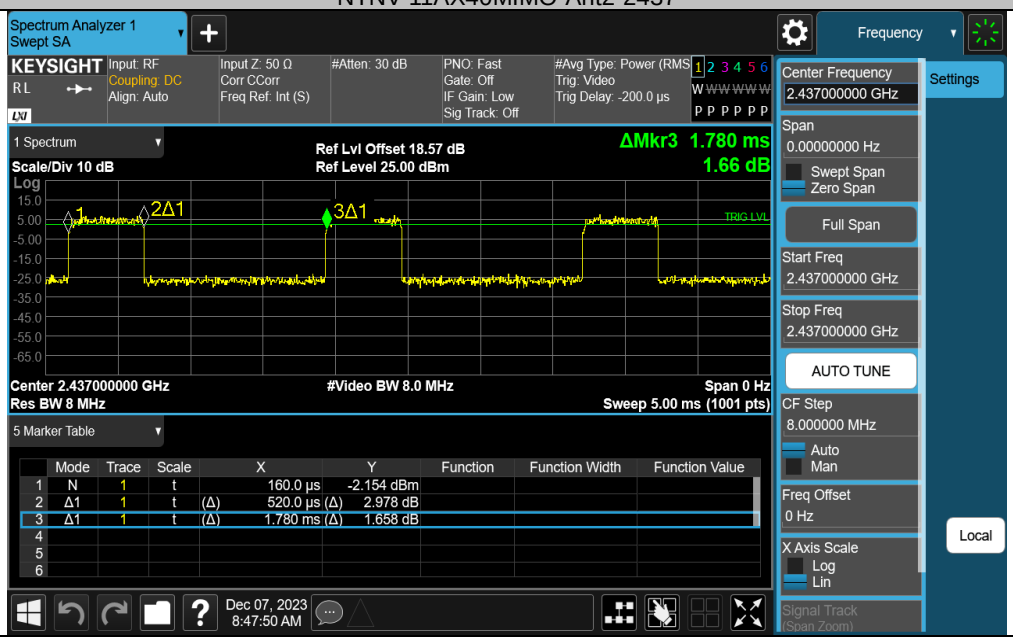
NTNV-11AX20MIMO-Ant1-2437

NTNV-11AX20MIMO-Ant2-2437



NTNV-11AX40MIMO-Ant1-2437

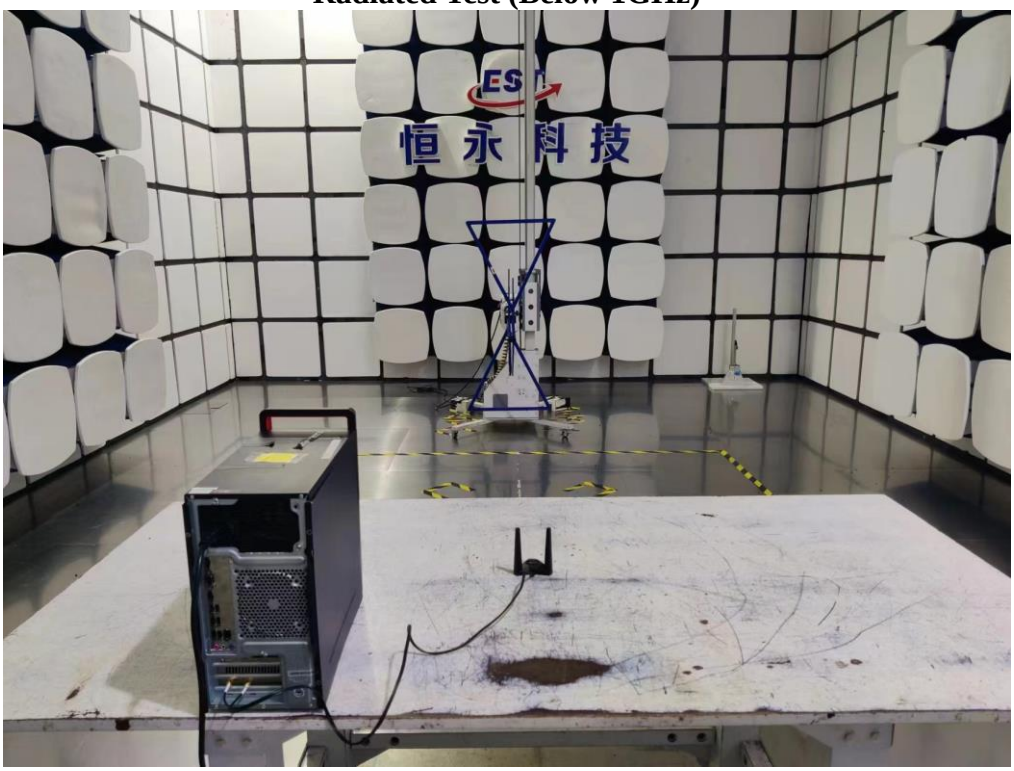
NTNV-11AX40MIMO-Ant2-2437



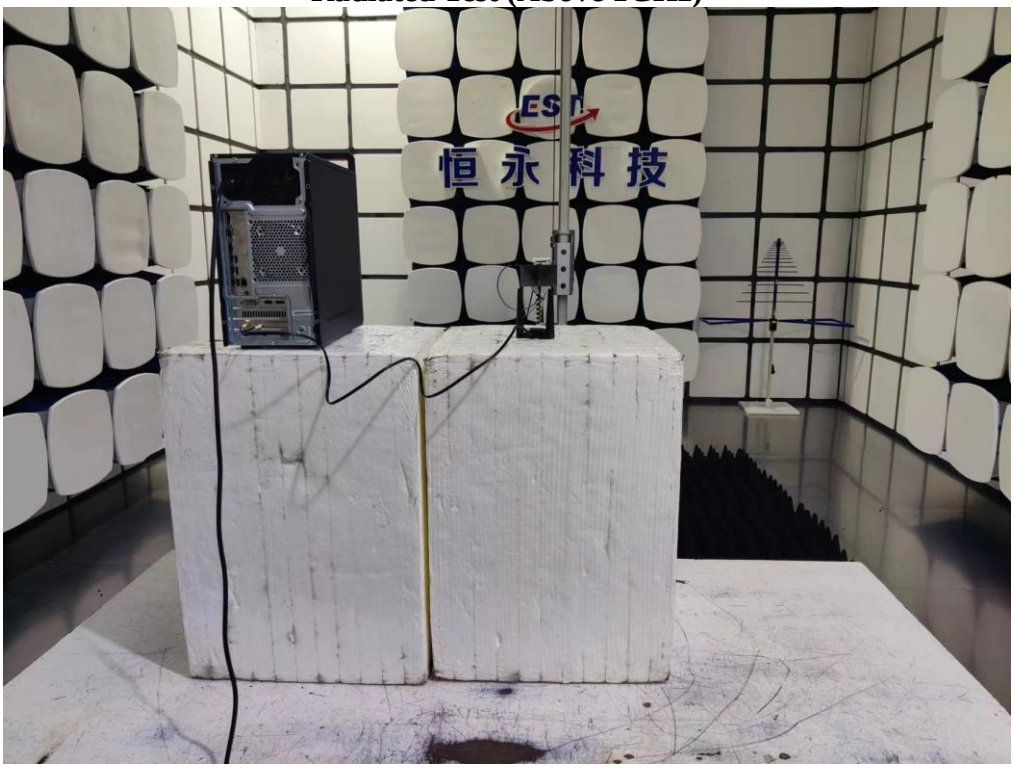
12. TEST SETUP PHOTO

Conducted Test

Radiated Test (Below 1GHz)



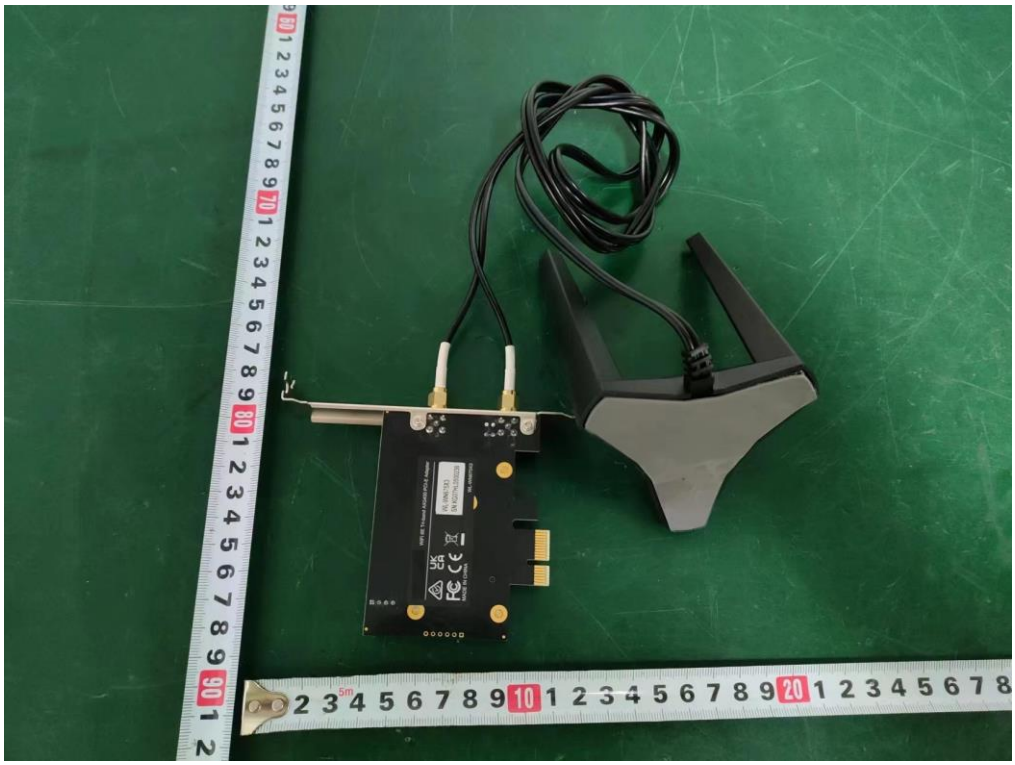
Radiated Test (Above 1GHz)



13. EUT PHOTO

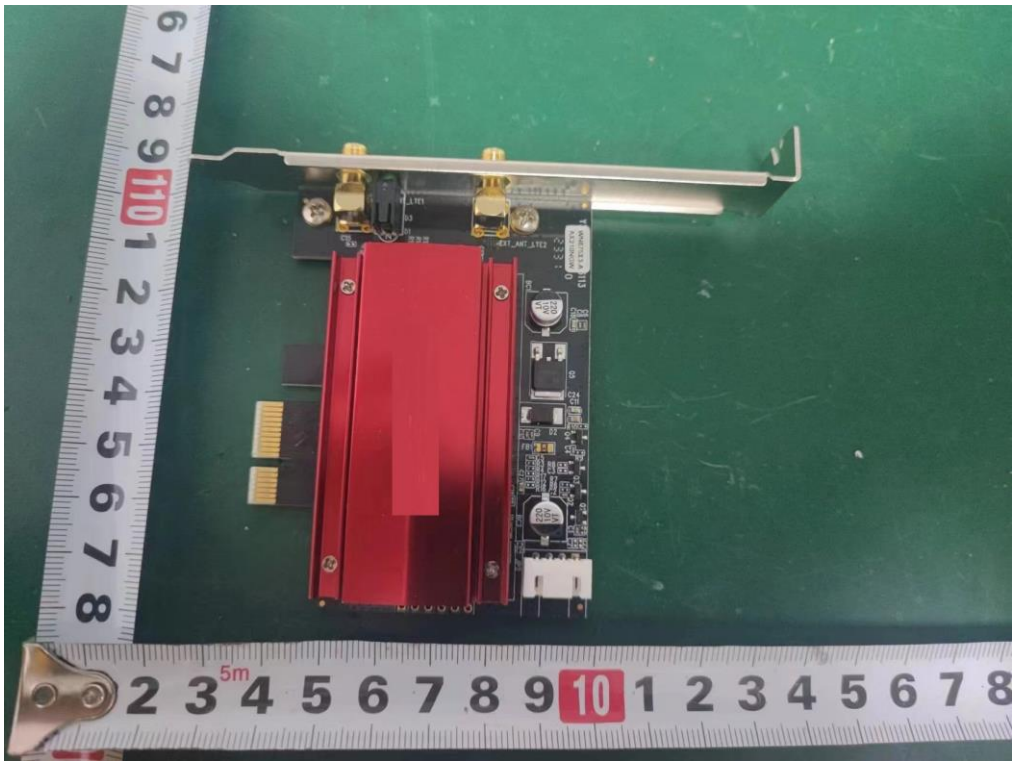
External Photos

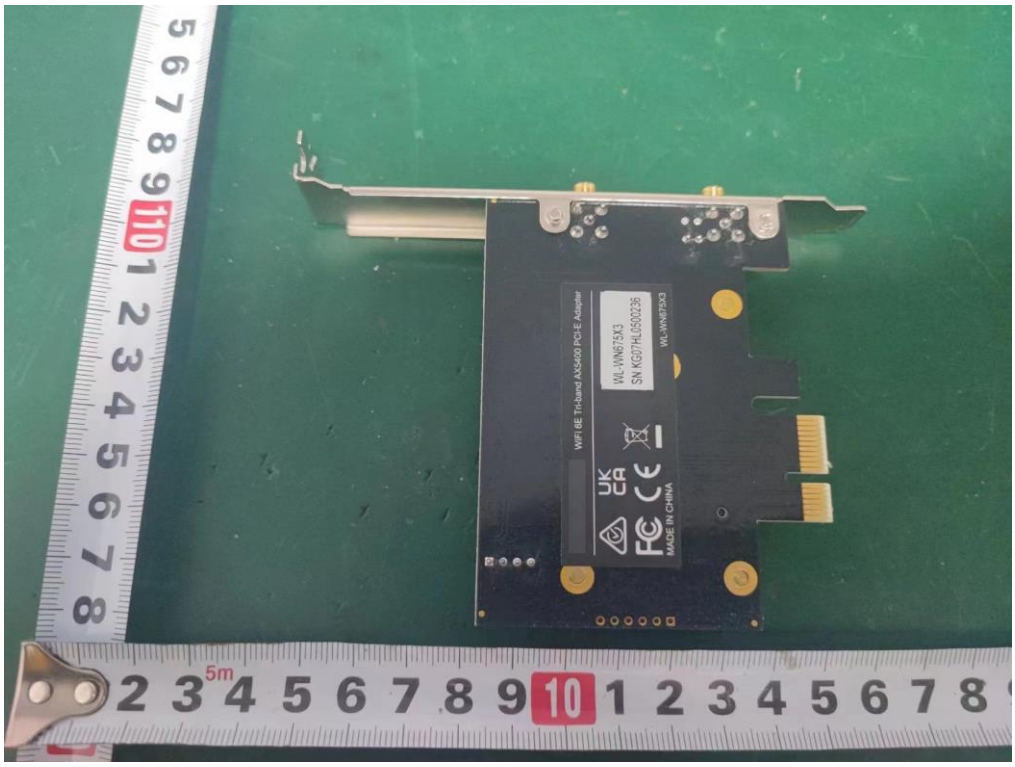
M/N: WS-WN675X3



Internal Photos

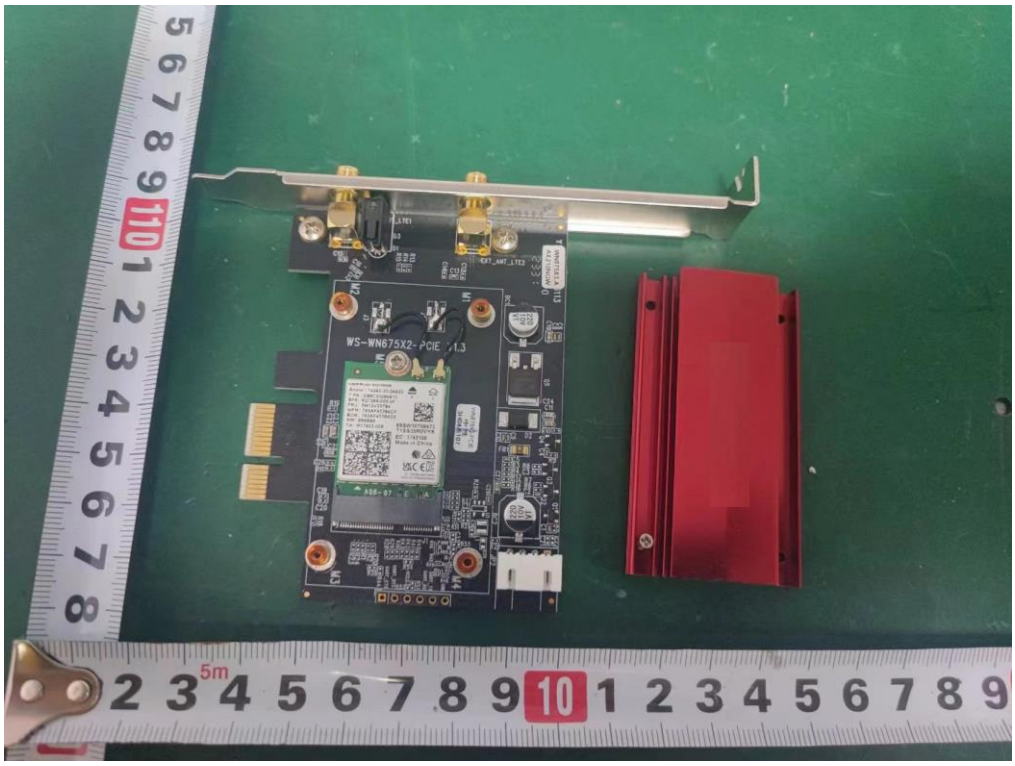
M/N: WS-WN675X3

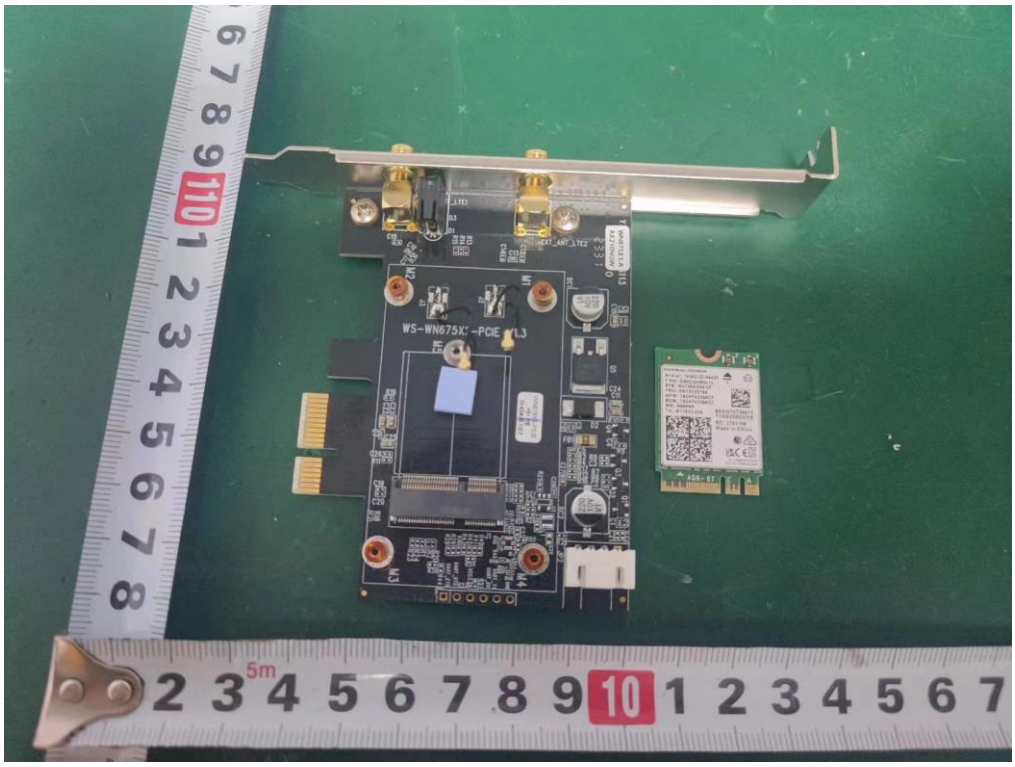




Internal Photos

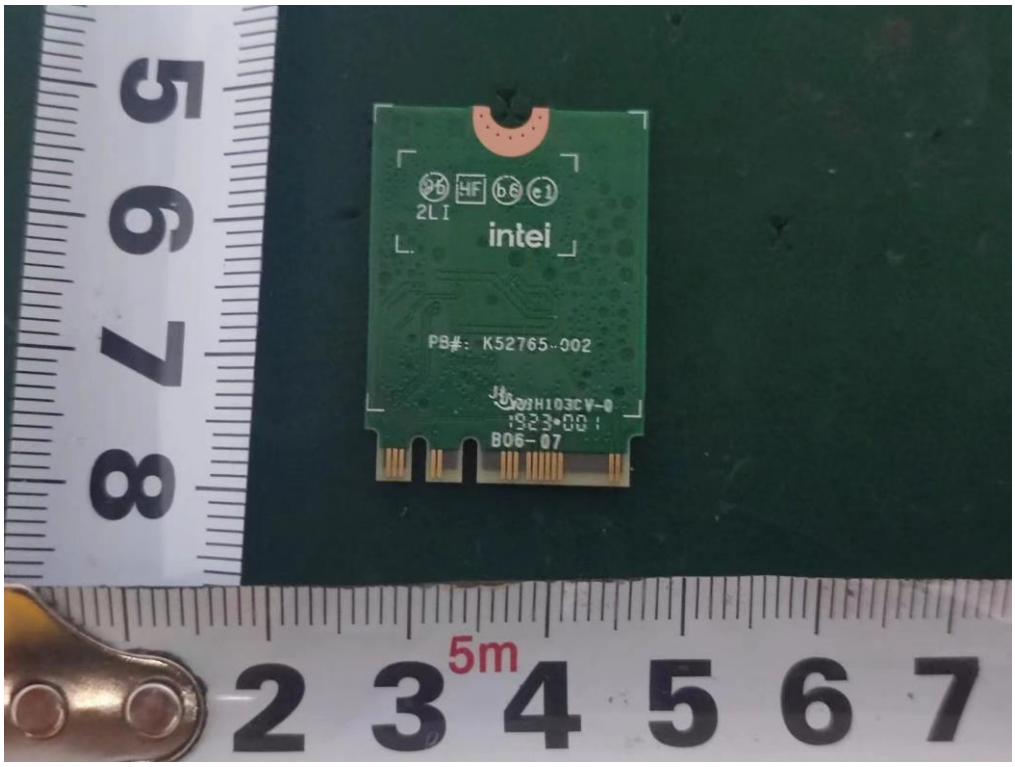
M/N: WS-WN675X3





Internal Photos

M/N: WS-WN675X3



Internal Photos

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Internal Photos

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End of Test Report