

Appendix G: Band edge measurements

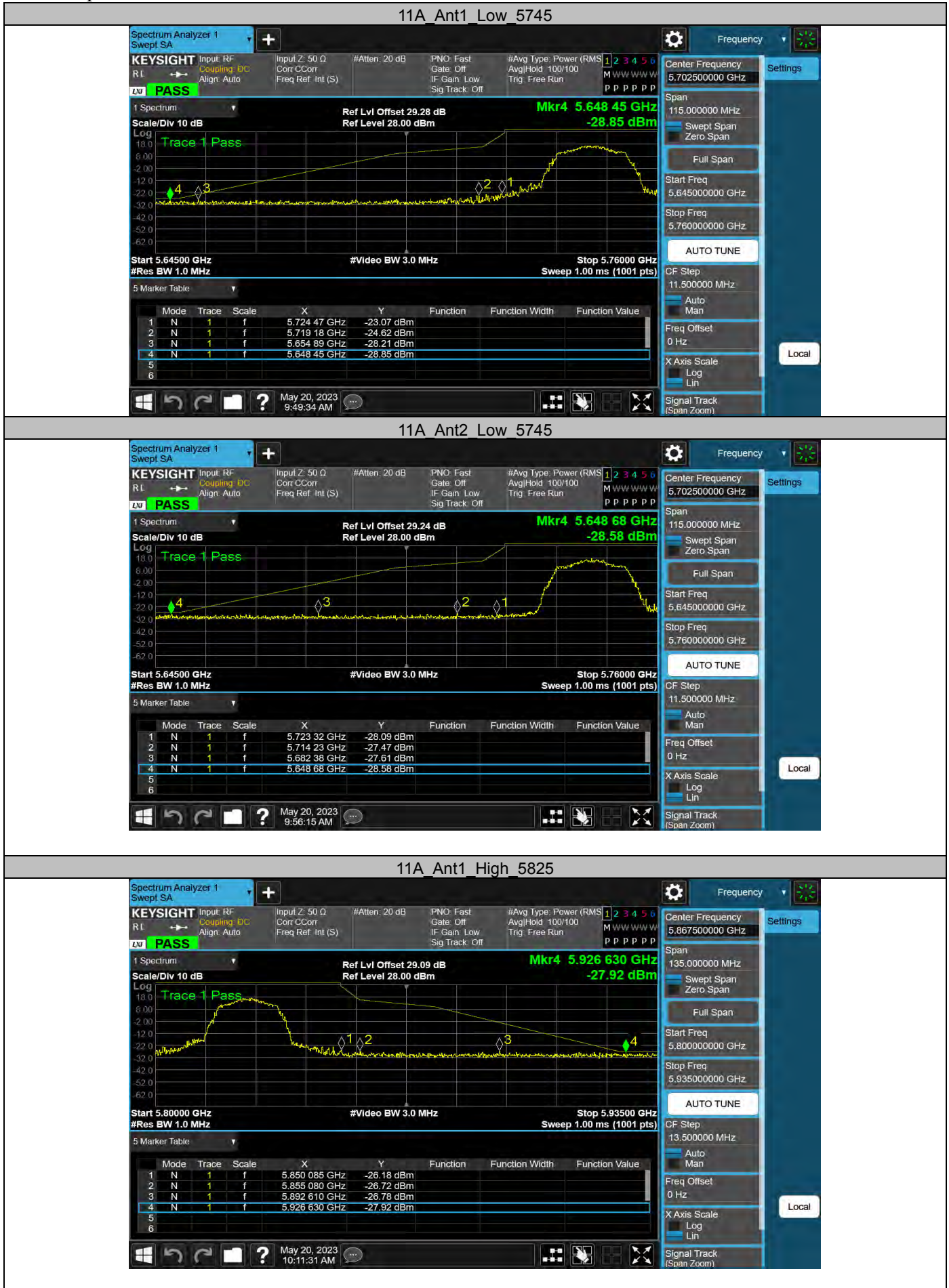
Test Result B4

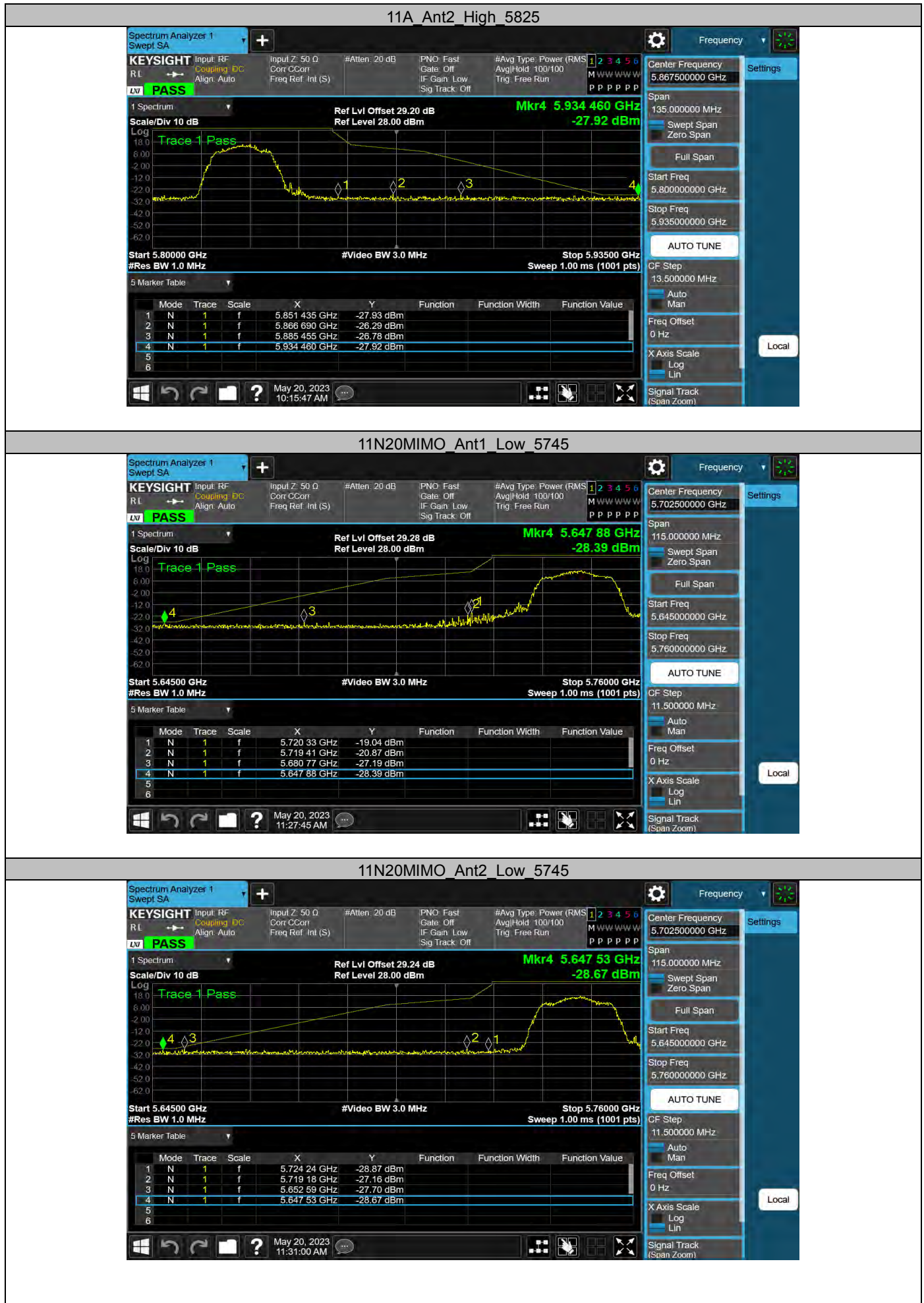
Test Mode	Antenna	Ch Name	Frequency [MHz]	Freq Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-28.21	≤-23.38	PASS
				5700~5720	-24.62	≤15.37	PASS
				5720~5725	-23.07	≤25.78	PASS
				5760~5650	-28.85	≤-27	PASS
	Ant2	Low	5745	5650~5700	-27.61	≤-3.04	PASS
				5700~5720	-27.47	≤13.98	PASS
				5720~5725	-28.09	≤23.16	PASS
				5760~5650	-28.58	≤-27	PASS
	Ant1	High	5825	5850~5855	-26.18	≤15.79	PASS
				5855~5875	-26.72	≤10.02	PASS
				5875~5925	-26.78	≤-13.97	PASS
				5925~5935	-27.92	≤-27	PASS
	Ant2	High	5825	5850~5855	-27.93	≤18.87	PASS
				5855~5875	-26.29	≤13.27	PASS
				5875~5925	-26.78	≤-19.26	PASS
				5925~5935	-27.92	≤-27	PASS
11N20MIMO	Ant1	Low	5745	5650~5700	-27.19	≤-4.23	PASS
				5700~5720	-20.87	≤15.43	PASS
				5720~5725	-19.04	≤16.34	PASS
				5760~5650	-28.39	≤-27	PASS
	Ant2	Low	5745	5650~5700	-27.71	≤-25.08	PASS
				5700~5720	-27.16	≤15.37	PASS
				5720~5725	-28.87	≤25.26	PASS
				5760~5650	-28.67	≤-27	PASS
	Ant1	High	5825	5850~5855	-26	≤26.87	PASS
				5855~5875	-25.82	≤10.02	PASS
				5875~5925	-27.46	≤-12.37	PASS
				5925~5935	-27.9	≤-27	PASS
	Ant2	High	5825	5850~5855	-27.7	≤25.03	PASS
				5855~5875	-27.11	≤12.78	PASS
				5875~5925	-27.81	≤-18.86	PASS
				5925~5935	-27.72	≤-27	PASS
11N40MIMO	Ant1	Low	5755	5650~5700	-27.72	≤4.56	PASS
				5700~5720	-20.94	≤14.67	PASS
				5720~5725	-19.21	≤26.82	PASS
				5780~5650	-28.85	≤-27	PASS
	Ant2	Low	5755	5650~5700	-36.77	≤-22.51	PASS
				5700~5720	-32.61	≤14.90	PASS
				5720~5725	-34.27	≤25.59	PASS
				5780~5650	-37.71	≤-27	PASS
	Ant1	High	5795	5850~5855	-28.07	≤24.69	PASS
				5855~5875	-26.63	≤10.04	PASS
				5875~5925	-28.1	≤-21.67	PASS
				5925~5935	-28.26	≤-27	PASS
	Ant2	High	5795	5850~5855	-27.96	≤21.30	PASS
				5855~5875	-27.51	≤13.97	PASS
				5875~5925	-27.95	≤-22.65	PASS
				5925~5935	-28.88	≤-27	PASS
11AC20MIMO	Ant1	Low	5745	5650~5700	-28.04	≤-21.51	PASS
				5700~5720	-21.83	≤14.60	PASS
				5720~5725	-16.78	≤26.57	PASS
				5760~5650	-28.92	≤-27	PASS
	Ant2	Low	5745	5650~5700	-27.53	≤-20.83	PASS

				5700~5720	-27.37	≤14.69	PASS
				5720~5725	-27.76	≤20.80	PASS
				5760~5650	-27.05	≤-27	PASS
				5850~5855	-26.41	≤21.03	PASS
	Ant1	High	5825	5855~5875	-27.4	≤13.92	PASS
				5875~5925	-27.17	≤-0.08	PASS
				5925~5935	-27.59	≤-27	PASS
	Ant2	High	5825	5850~5855	-27.87	≤21.33	PASS
				5855~5875	-27.61	≤10.36	PASS
				5875~5925	-27.17	≤-8.47	PASS
5925~5935				-29.02	≤-27	PASS	
11AC40MIM O	Ant1	Low	5755	5650~5700	-27.01	≤-9.42	PASS
				5700~5720	-20.84	≤14.79	PASS
				5720~5725	-20.2	≤23.74	PASS
				5780~5650	-28.69	≤-27	PASS
	Ant2	Low	5755	5650~5700	-27.74	≤-11.22	PASS
				5700~5720	-22.53	≤14.71	PASS
				5720~5725	-24.22	≤18.51	PASS
				5780~5650	-29.08	≤-27	PASS
	Ant1	High	5795	5850~5855	-28.55	≤23.93	PASS
				5855~5875	-28.37	≤11.43	PASS
				5875~5925	-27.73	≤9.59	PASS
				5925~5935	-28.07	≤-27	PASS
	Ant2	High	5795	5850~5855	-28.58	≤15.66	PASS
				5855~5875	-28.1	≤12.12	PASS
				5875~5925	-27.35	≤-10.93	PASS
				5925~5935	-28.06	≤-27	PASS
11AC80MIM O	Ant1	Low	5775	5650~5700	-25.25	≤9.90	PASS
				5700~5720	-24.43	≤15.17	PASS
				5720~5725	-22.72	≤23.77	PASS
				5800~5650	-28.61	≤-27	PASS
		High	5775	5850~5855	-23.3	≤16.64	PASS
				5855~5875	-24.39	≤10.33	PASS
				5875~5925	-26.37	≤-1.36	PASS
				5925~5935	-27.42	≤-27	PASS
	Ant2	Low	5775	5650~5700	-27.38	≤-10.74	PASS
				5700~5720	-24.58	≤14.30	PASS
				5720~5725	-25.15	≤17.06	PASS
				5800~5650	-27.68	≤-27	PASS
		High	5775	5850~5855	-25.47	≤26.34	PASS
				5855~5875	-24.51	≤10.59	PASS
				5875~5925	-27.35	≤-3.14	PASS
				5925~5935	-28.56	≤-27	PASS
11AX20MIM O	Ant1	Low	5745	5650~5700	-27.31	≤0.19	PASS
				5700~5720	-19.76	≤15.59	PASS
				5720~5725	-18.38	≤26.57	PASS
				5760~5650	-29.58	≤-27	PASS
	Ant2	Low	5745	5650~5700	-27.8	≤0.45	PASS
				5700~5720	-27.84	≤14.92	PASS
				5720~5725	-26.79	≤17.39	PASS
				5760~5650	-29.05	≤-27	PASS
	Ant1	High	5825	5850~5855	-26.89	≤16.10	PASS
				5855~5875	-27.49	≤12.82	PASS
				5875~5925	-26.73	≤-11.77	PASS
				5925~5935	-28.97	≤-27	PASS
	Ant2	High	5825	5850~5855	-24.65	≤15.79	PASS
				5855~5875	-28.14	≤10.93	PASS
				5875~5925	-27.01	≤9.91	PASS
				5925~5935	-27.16	≤-27	PASS

11AX40MIM O	Ant1	Low	5755	5650~5700	-28.44	≤ 7.66	PASS
				5700~5720	-19.98	≤ 14.79	PASS
				5720~5725	-19.65	≤ 16.04	PASS
				5780~5650	-28.37	≤ -27	PASS
	Ant2	Low	5755	5650~5700	-28.12	≤ 8.26	PASS
				5700~5720	-24.13	≤ 14.97	PASS
				5720~5725	-20.48	≤ 16.97	PASS
				5780~5650	-28.51	≤ -27	PASS
	Ant1	High	5795	5850~5855	-27.92	≤ 19.42	PASS
				5855~5875	-28.02	≤ 12.67	PASS
				5875~5925	-28.14	≤ -18.99	PASS
				5925~5935	-27.43	≤ -27	PASS
11AX80MIM O	Ant1	Low	5775	5650~5700	-24.7	≤ 9.90	PASS
				5700~5720	-19.99	≤ 12.87	PASS
				5720~5725	-22.5	≤ 26.95	PASS
				5800~5650	-28.41	≤ -27	PASS
		High	5775	5850~5855	-19.01	≤ 17.48	PASS
				5855~5875	-23.21	≤ 12.56	PASS
				5875~5925	-25.01	≤ -24.35	PASS
				5925~5935	-27.63	≤ -27	PASS
	Ant2	Low	5775	5650~5700	-25.51	≤ 0.96	PASS
				5700~5720	-22.11	≤ 14.48	PASS
				5720~5725	-22.54	≤ 17.41	PASS
				5800~5650	-28.97	≤ -27	PASS
		High	5775	5850~5855	-23.43	≤ 16.64	PASS
				5855~5875	-23.25	≤ 14.63	PASS
				5875~5925	-26.85	≤ -2.18	PASS
				5925~5935	-27.9	≤ -27	PASS

Test Graphs B4





11N20MIMO_Ant1_High_5825



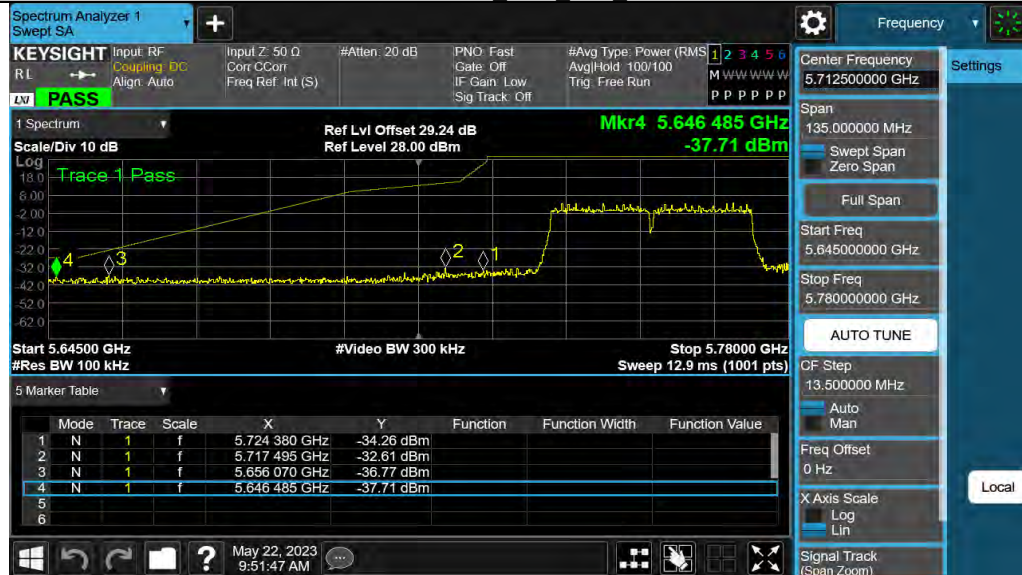
11N20MIMO_Ant2_High_5825



11N40MIMO_Ant1_Low_5755



11N40MIMO_Ant2_Low_5755



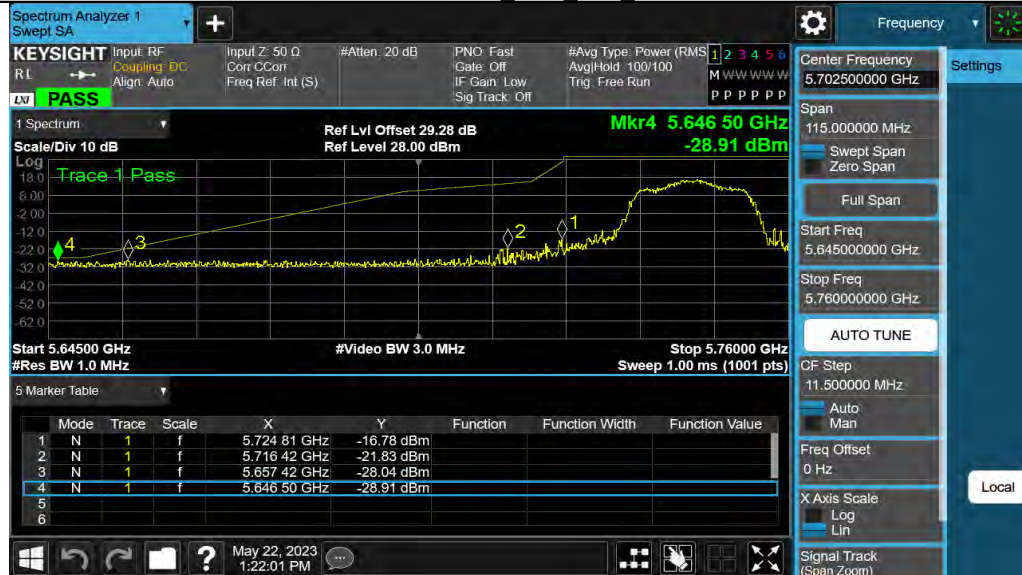
11N40MIMO_Ant1_High_5795



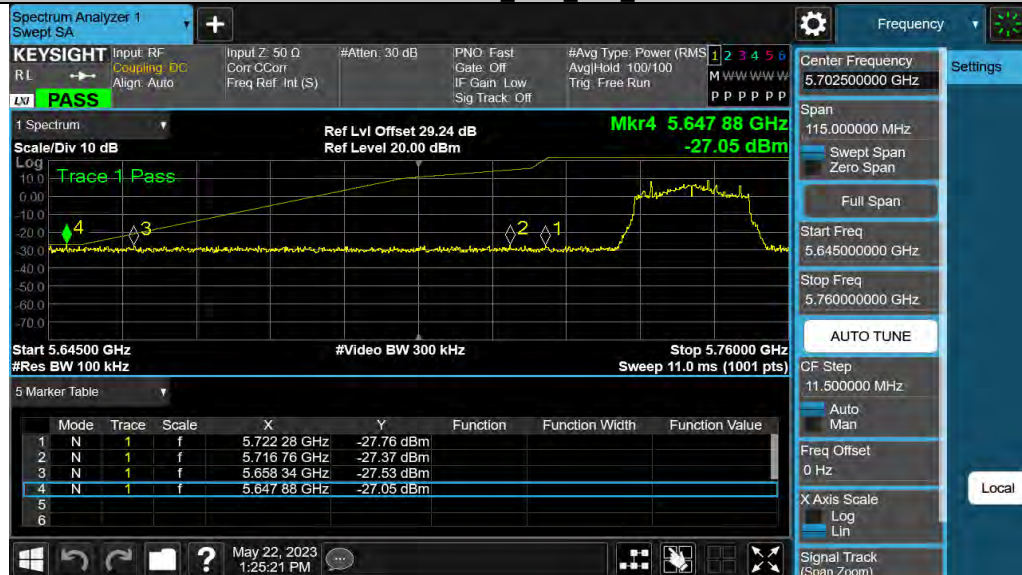
11N40MIMO_Ant2_High_5795



11AC20MIMO Ant1 Low 5745



11AC20MIMO Ant2 Low 5745



11AC20MIMO Ant1 High 5825



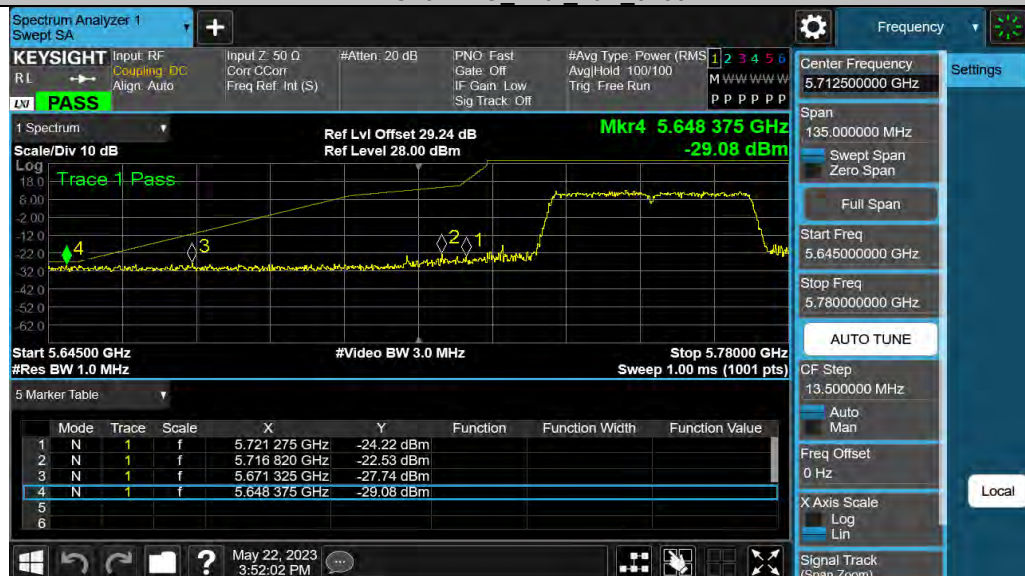
11AC20MIMO Ant2 High 5825



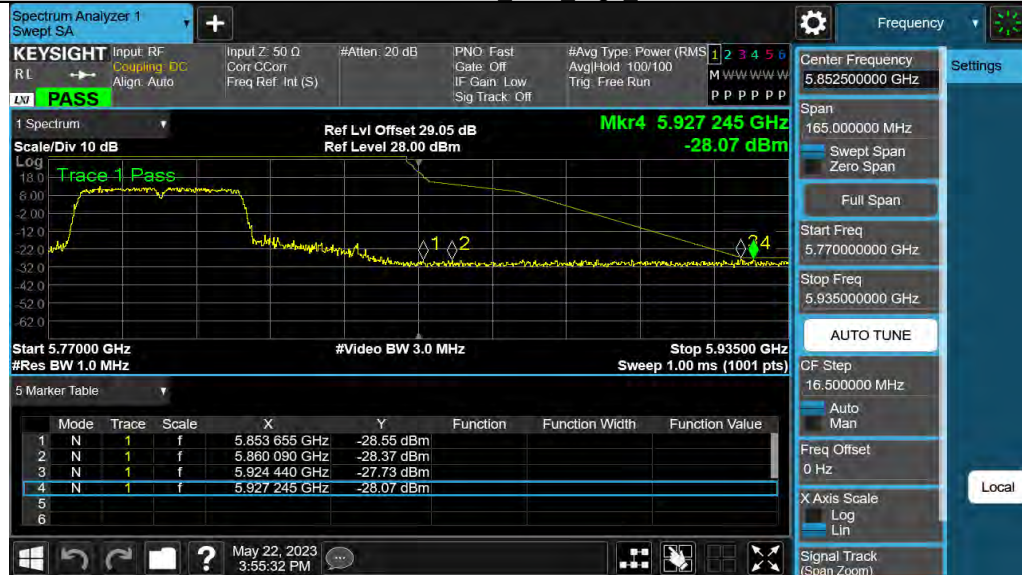
11AC40MIMO Ant1 Low 5755



11AC40MIMO Ant2 Low 5755



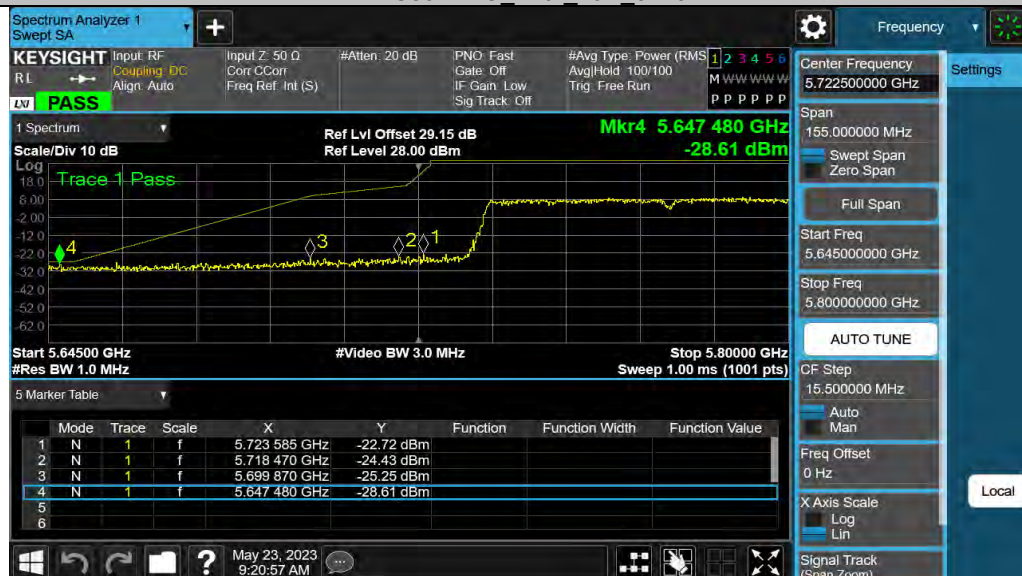
11AC40MIMO Ant1 High 5795

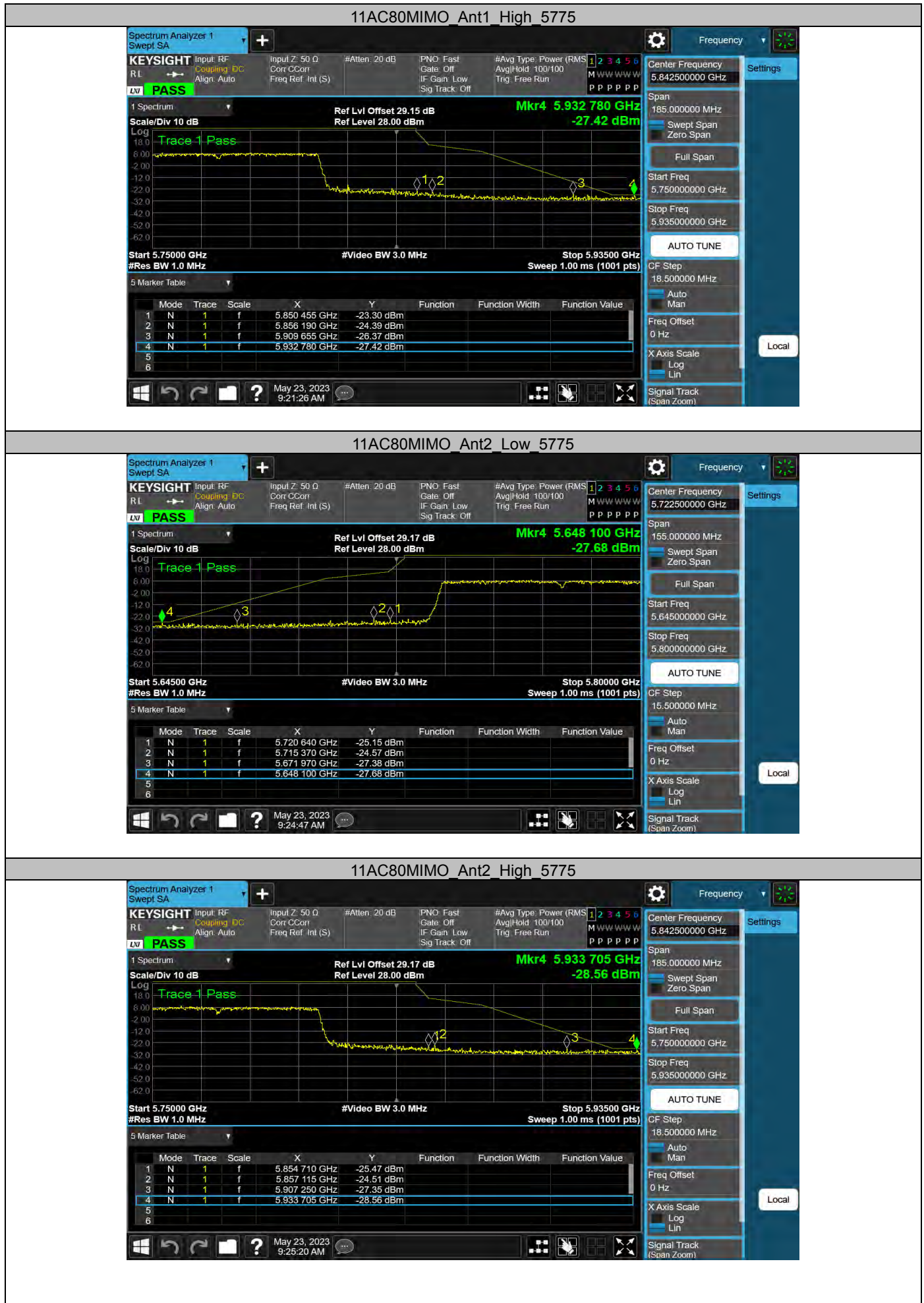


11AC40MIMO Ant2 High 5795

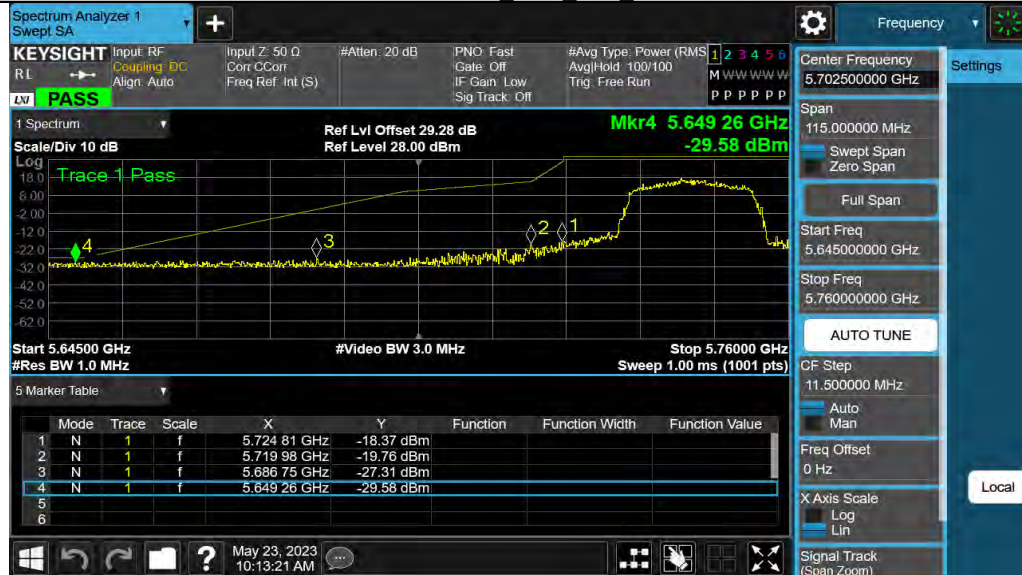


11AC80MIMO Ant1 Low 5775

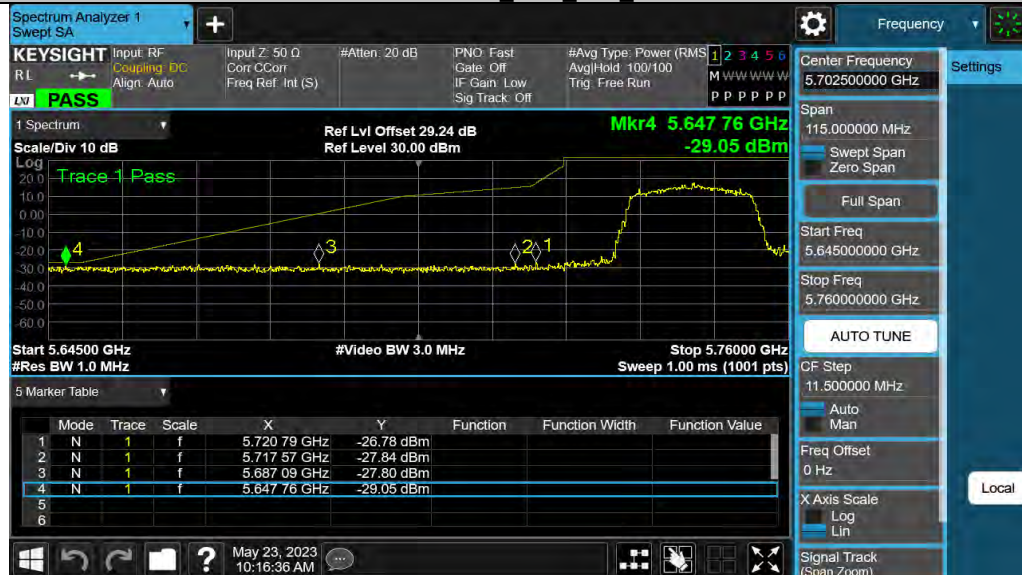




11AX20MIMO Ant1 Low 5745

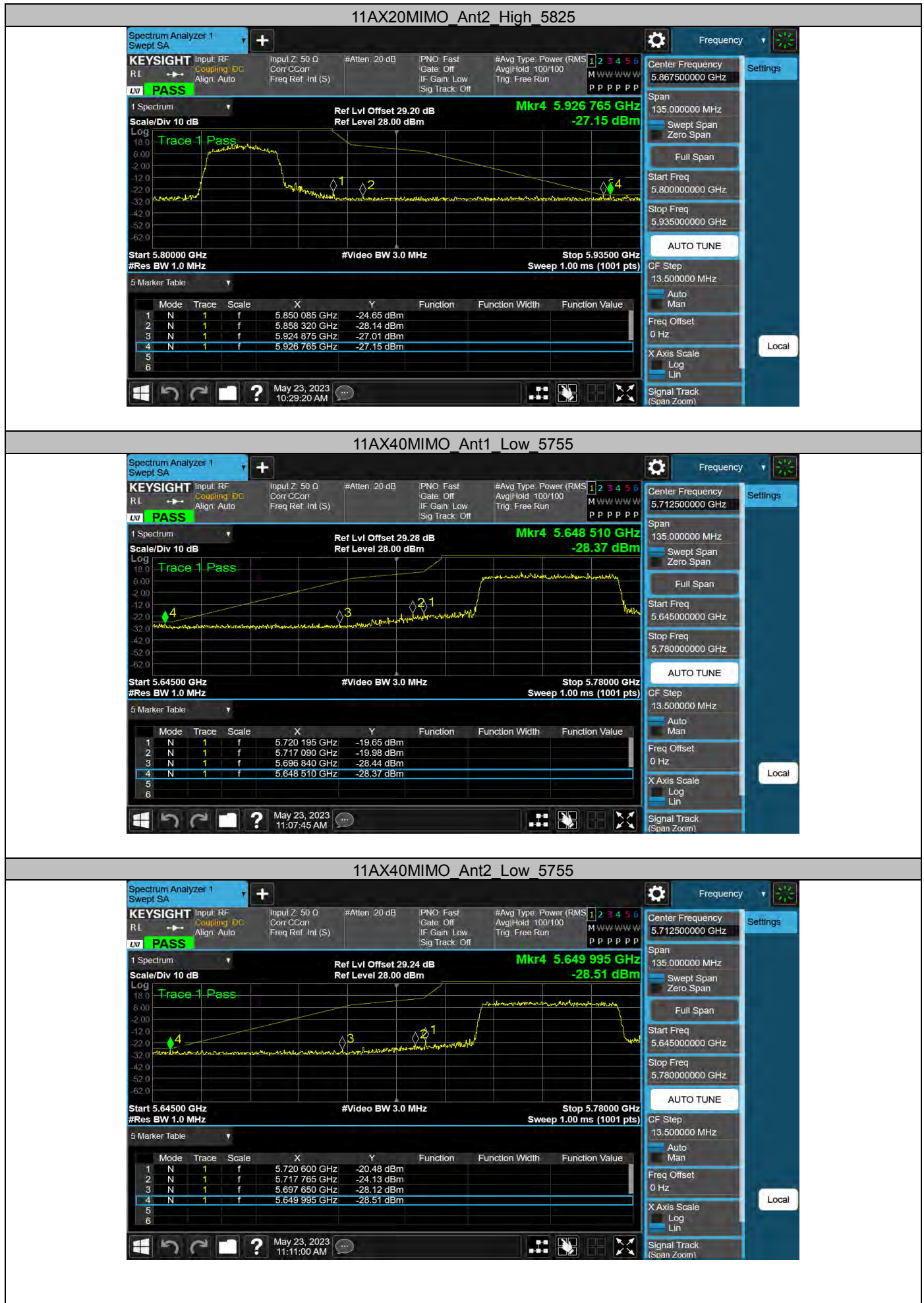


11AX20MIMO Ant2 Low 5745



11AX20MIMO Ant1 High 5825

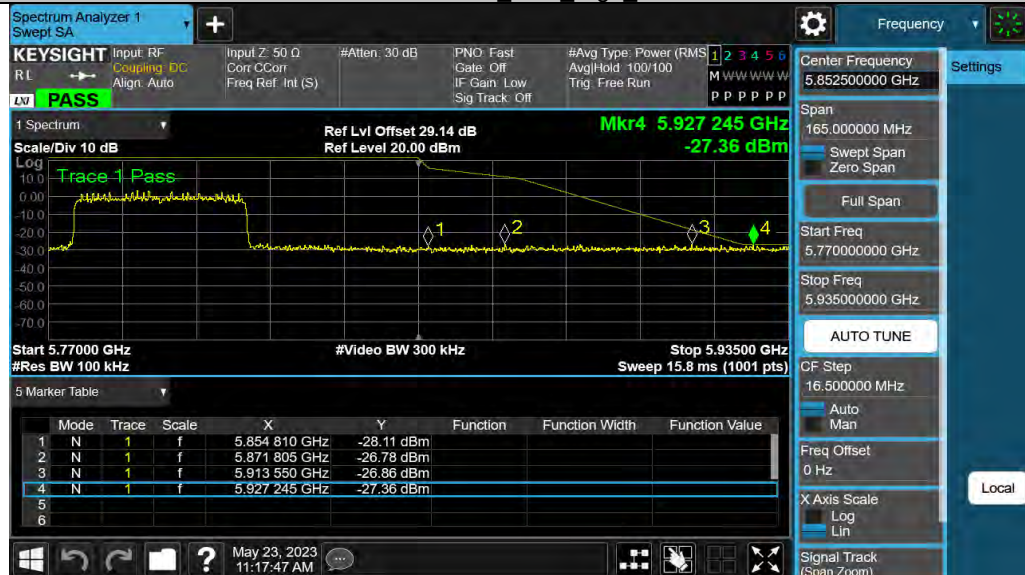




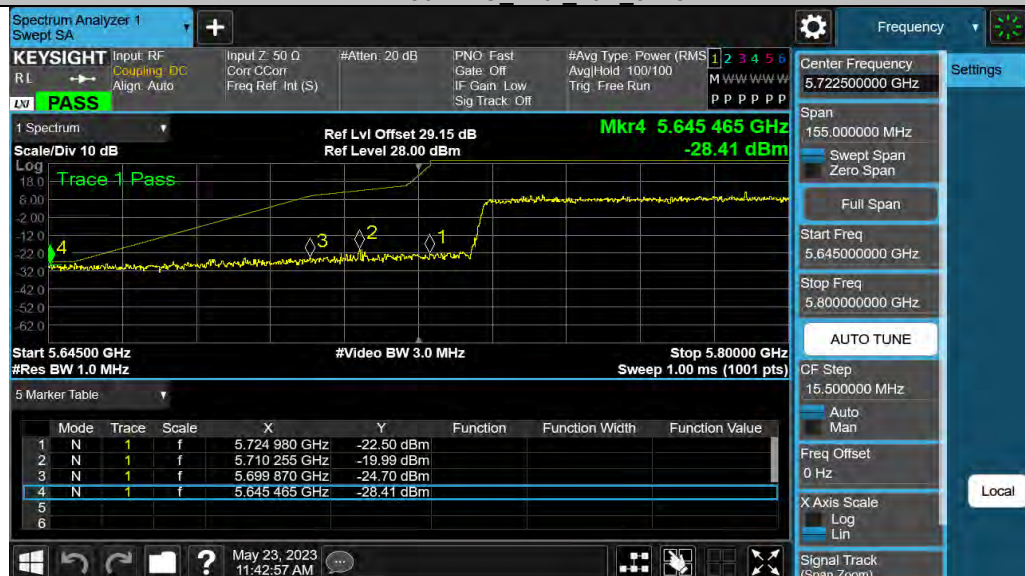
11AX40MIMO Ant1 High 5795

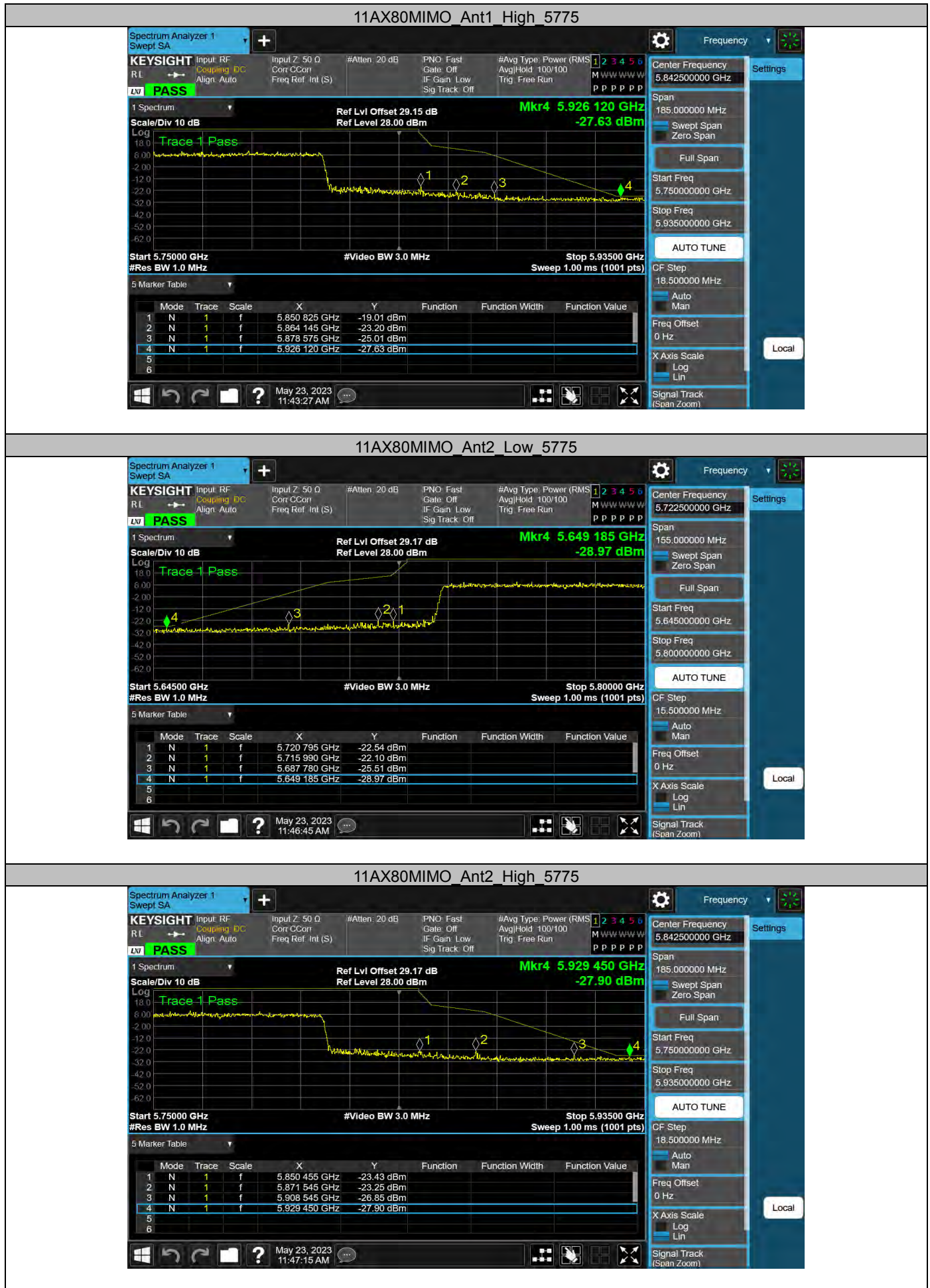


11AX40MIMO Ant2 High 5795



11AX80MIMO Ant1 Low 5775





Appendix H: Frequency Stability Test Result

Voltage								
Test Mode	Antenna	Frequency[M Hz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
		5260	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.802281	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5500	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5745	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.481288	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
Test Mode	Antenna	Frequency[M Hz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.861004	20	PASS
			NV	10	-20000.00	-3.861004	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	-20000.00	-3.861004	20	PASS
			NV	40	-20000.00	-3.861004	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5260	NV	-30	0.00	0.000000	20	PASS
			NV	-20	-20000.00	-3.802281	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.802281	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	20000.00	3.802281	20	PASS
		5500	NV	-30	20000.00	3.636364	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	20000.00	3.636364	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	20000.00	3.636364	20	PASS
			NV	40	20000.00	3.636364	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5745	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	20000.00	3.481288	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	0.00	0.000000	20	PASS
			NV	20	-20000.00	-3.481288	20	PASS
			NV	30	-20000.00	-3.481288	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.481288	20	PASS

11. TEST SETUP PHOTO

Conducted Test



Radiated Test (Below 1GHz)



Radiated Test (Above 1GHz)

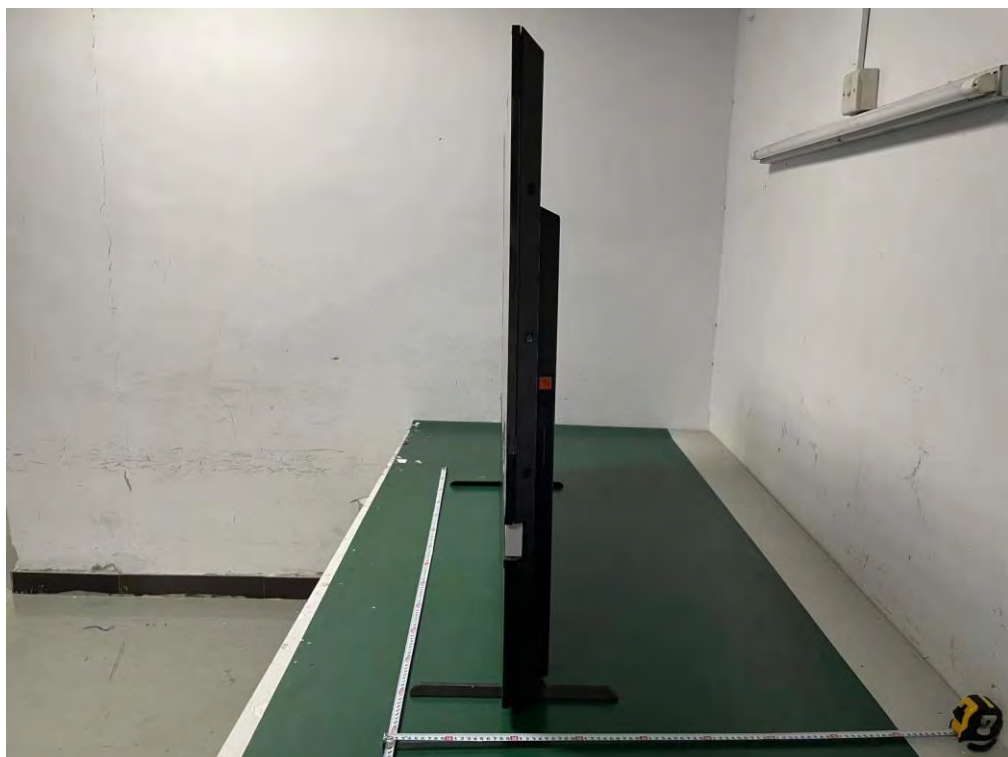


12. EUT PHOTO

External Photos
M/N: TY55-1



External Photos
M/N: TY55-1



External Photos
M/N: TY55-1



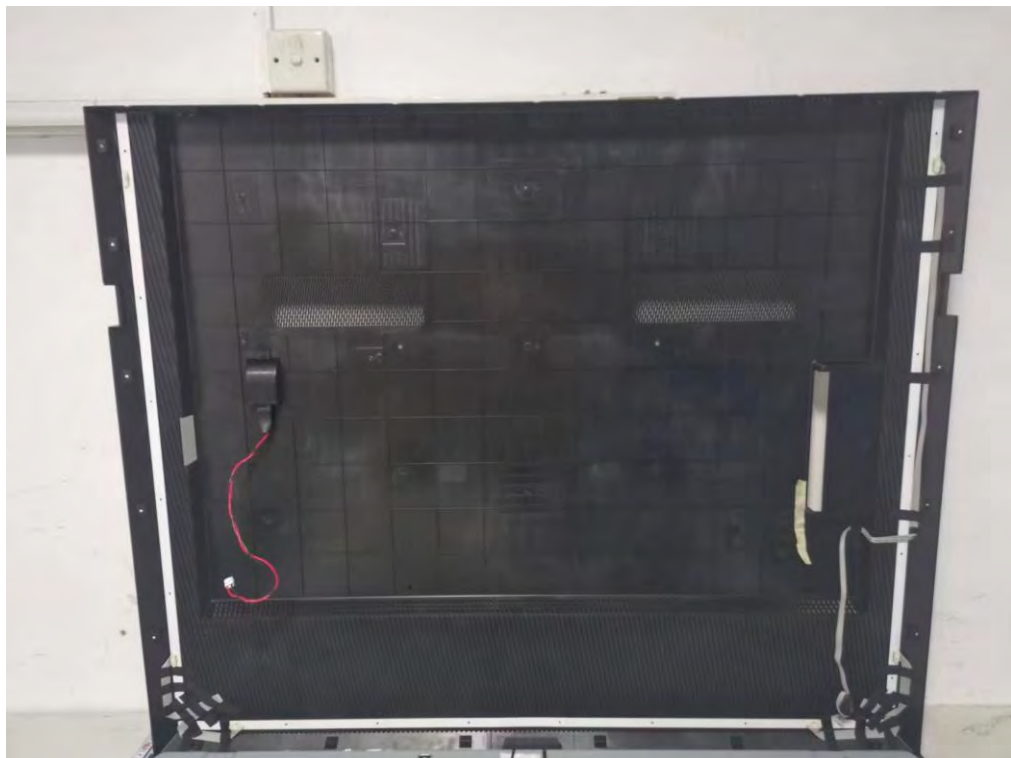
External Photos
M/N: TY55-1



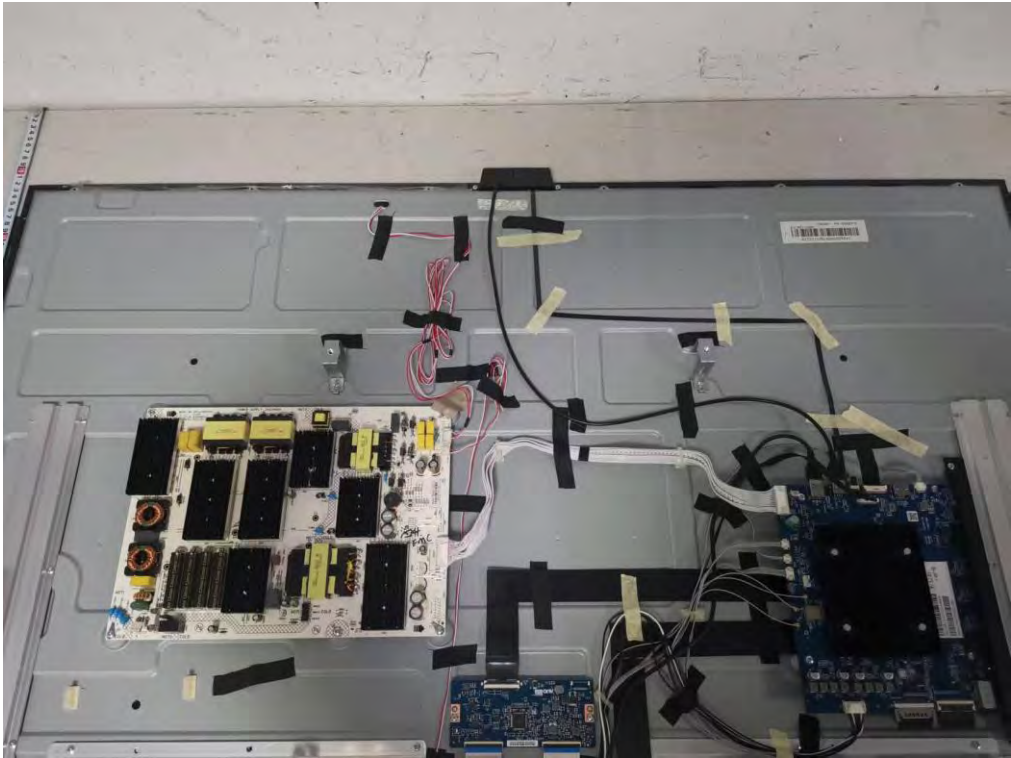
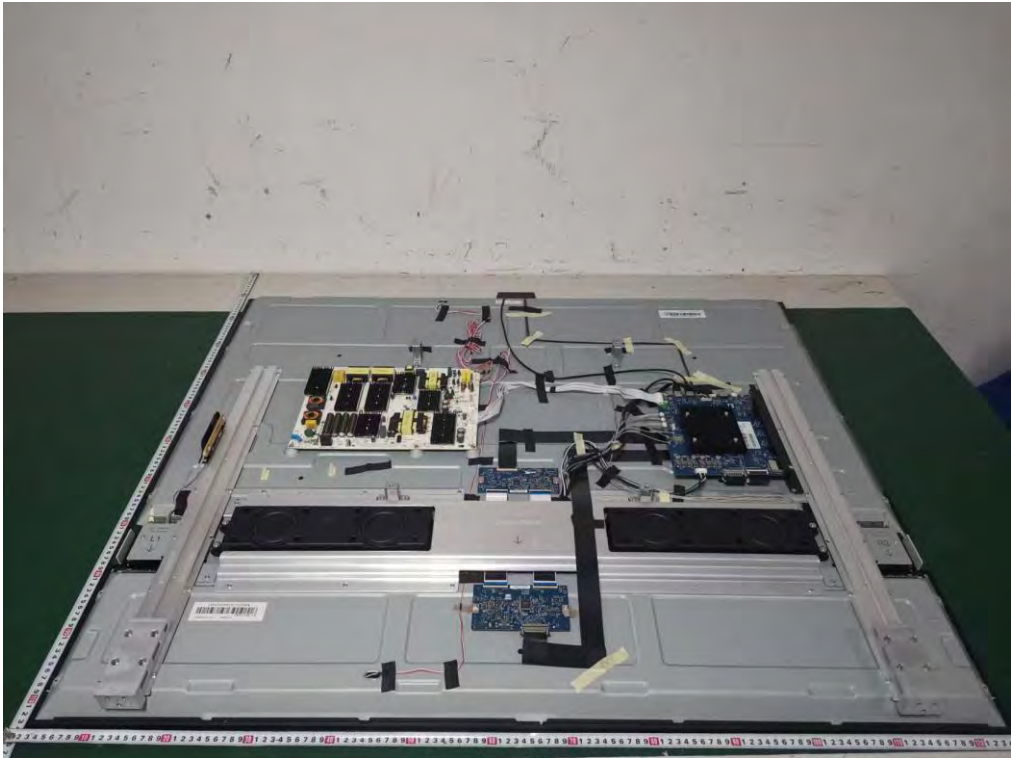
External Photos
M/N: TY55-1



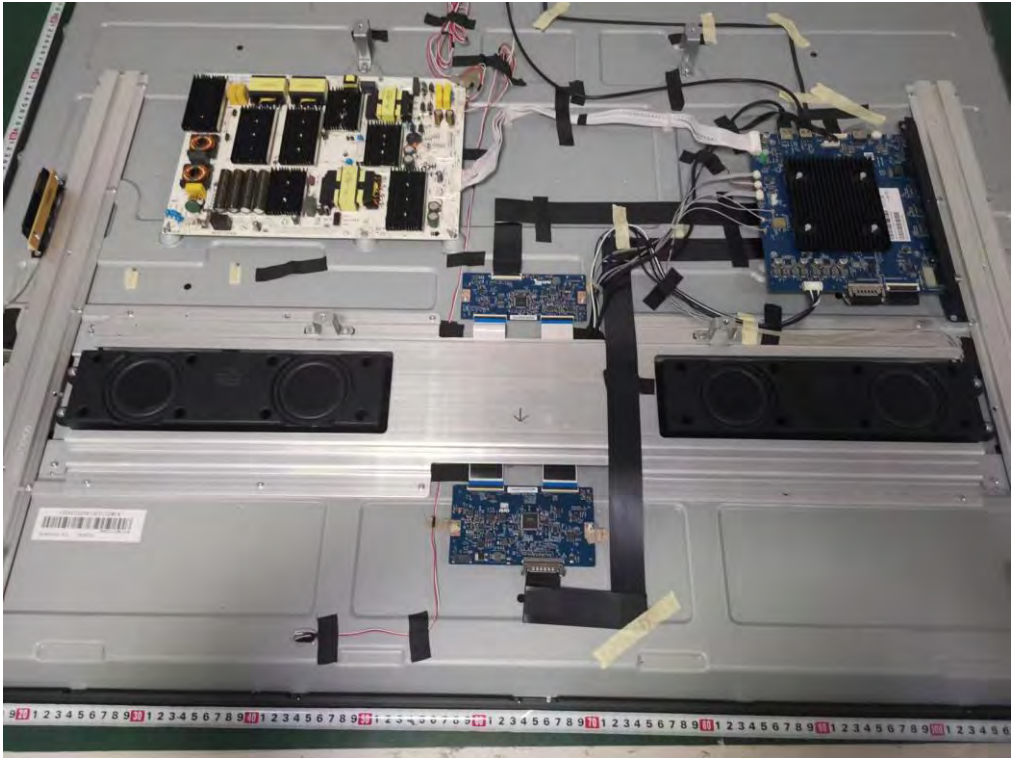
Internal Photos
M/N: TY55-1



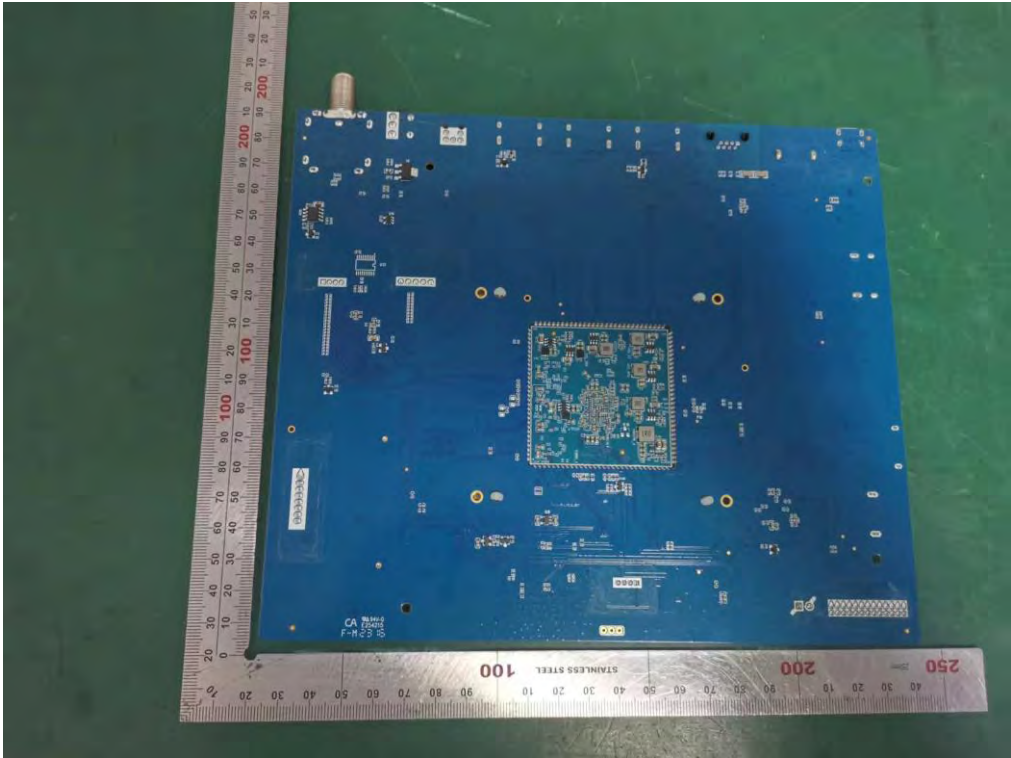
Internal Photos
M/N: TY55-1



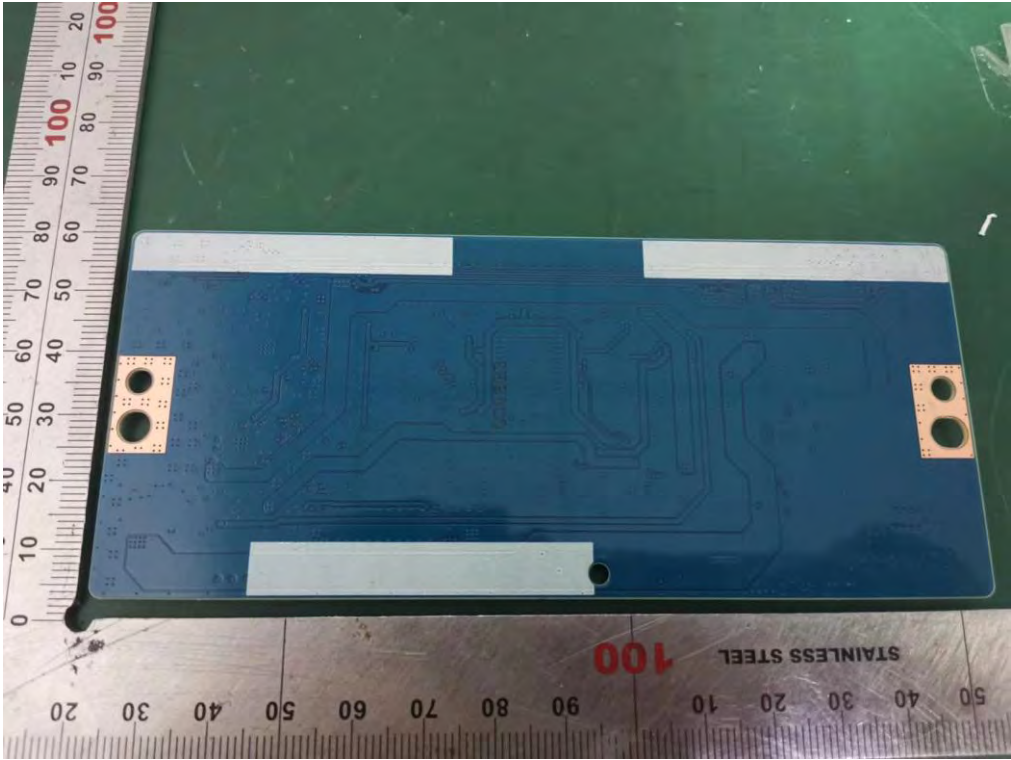
Internal Photos
M/N: TY55-1



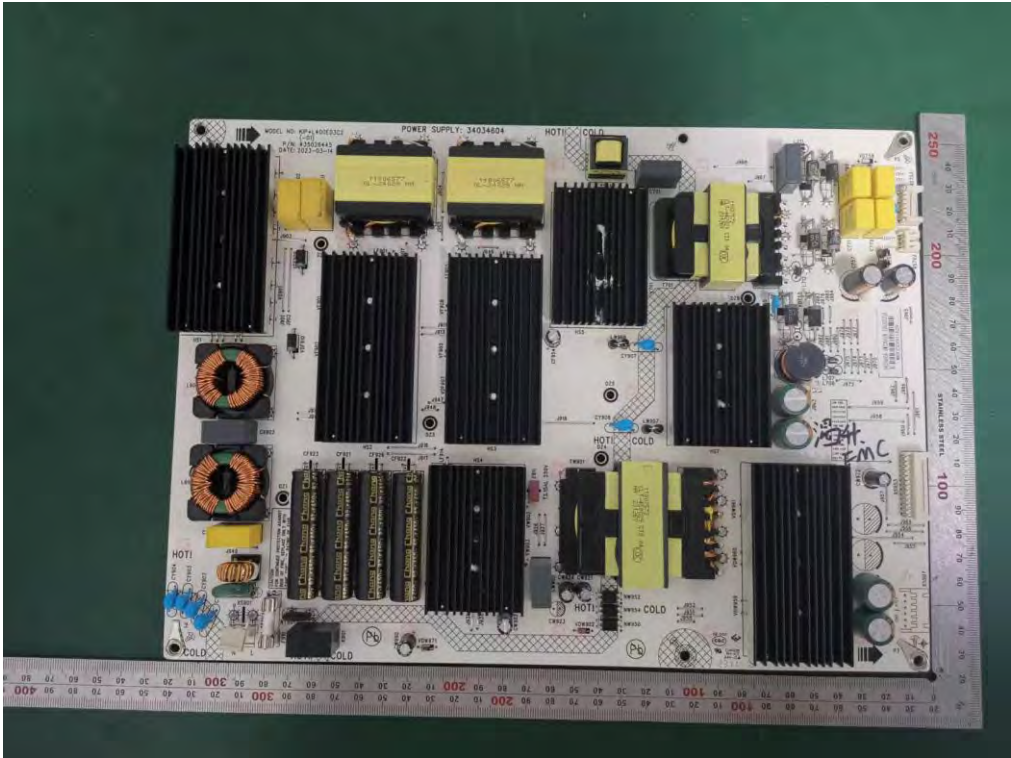
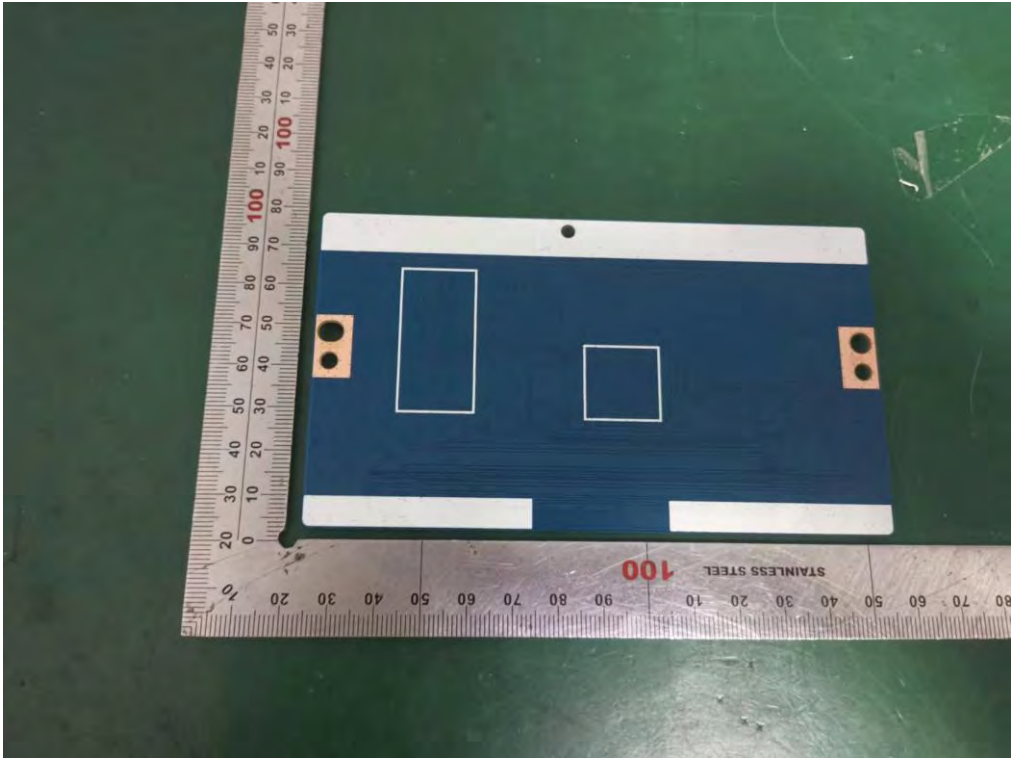
Internal Photos
M/N: TY55-1



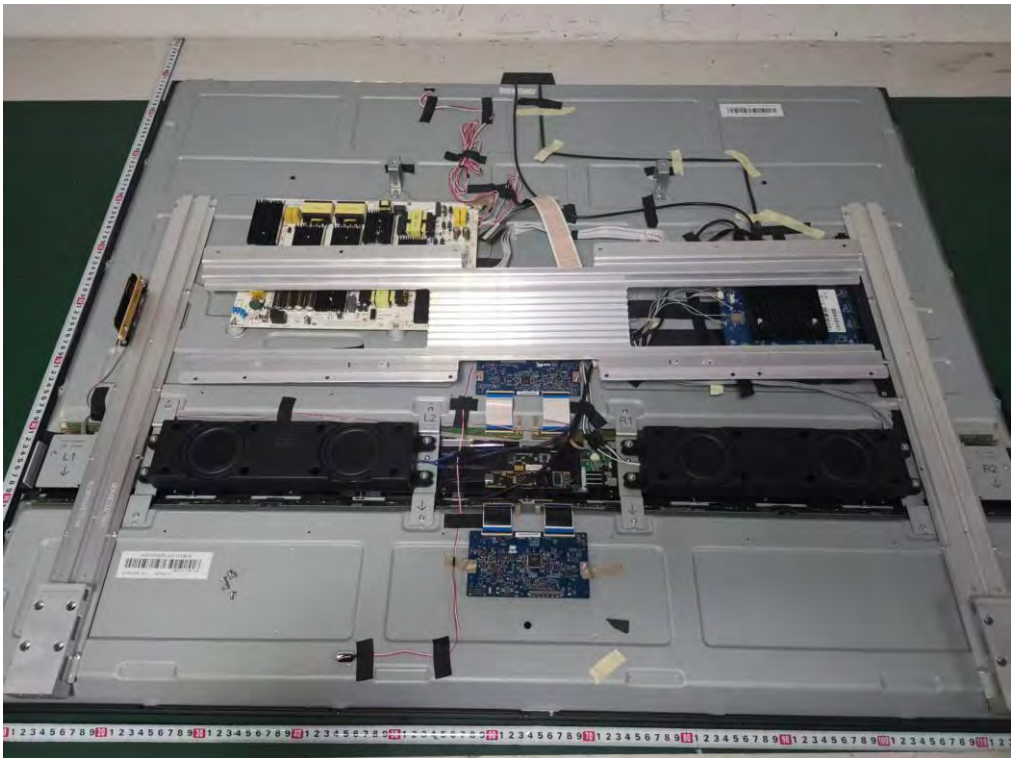
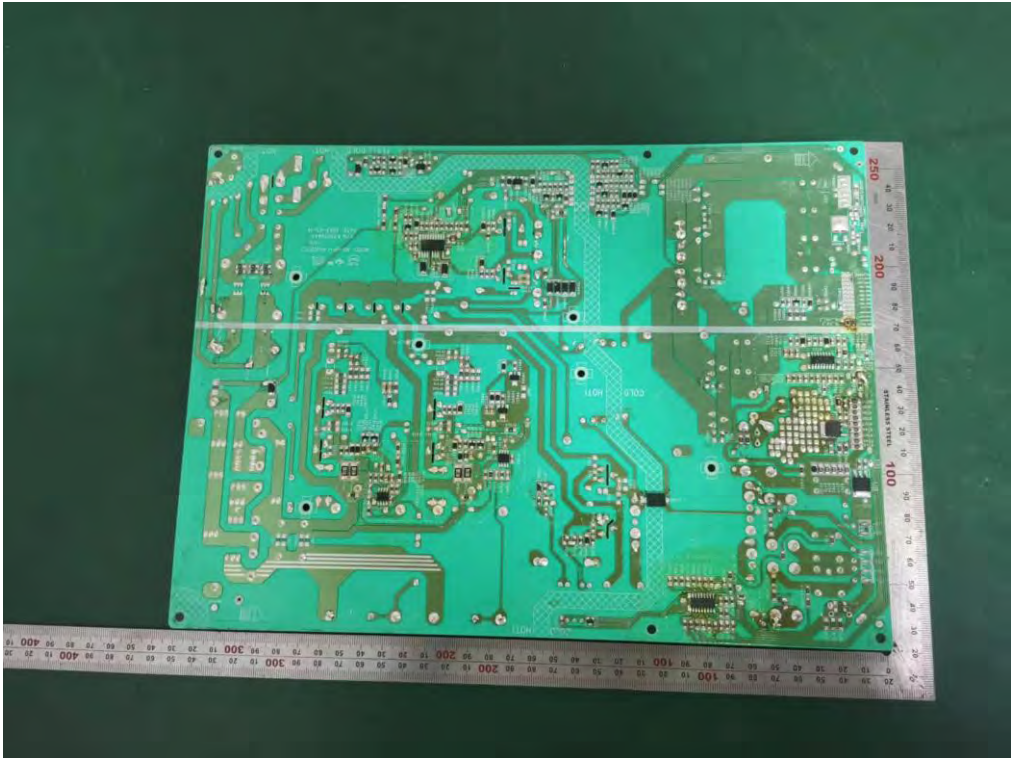
Internal Photos
M/N: TY55-1



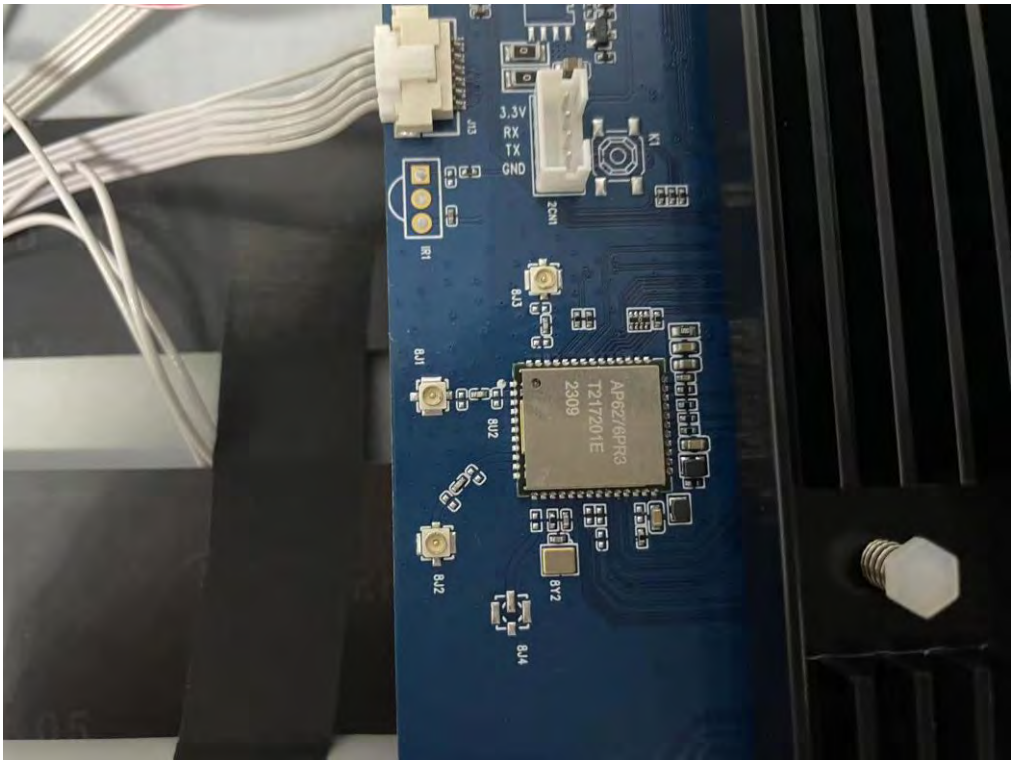
Internal Photos
M/N: TY55-1



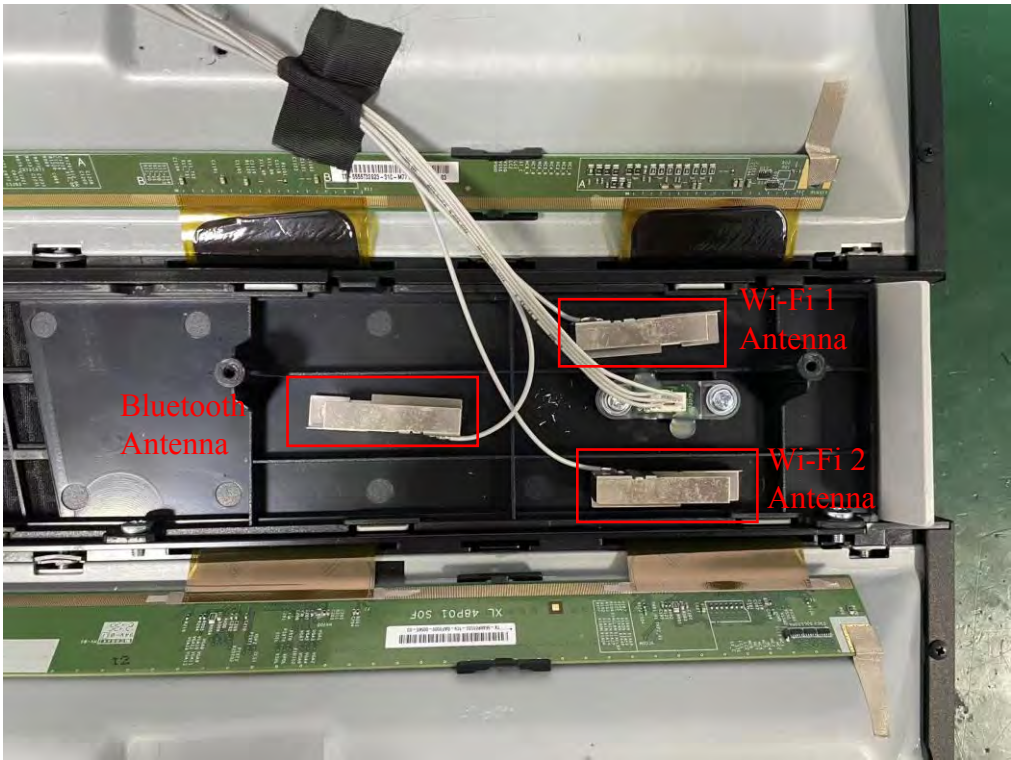
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M/N: TY55-1



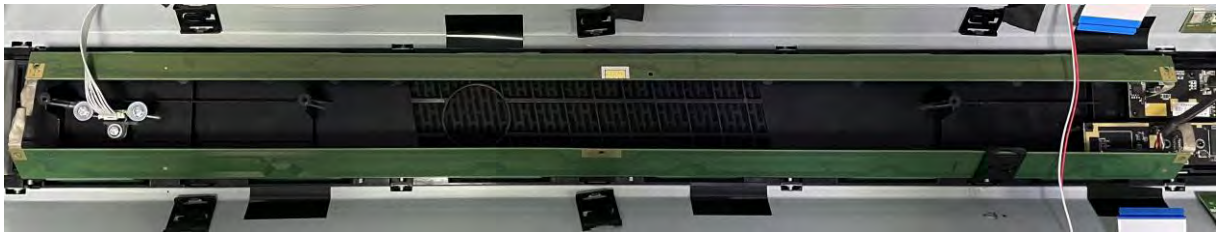
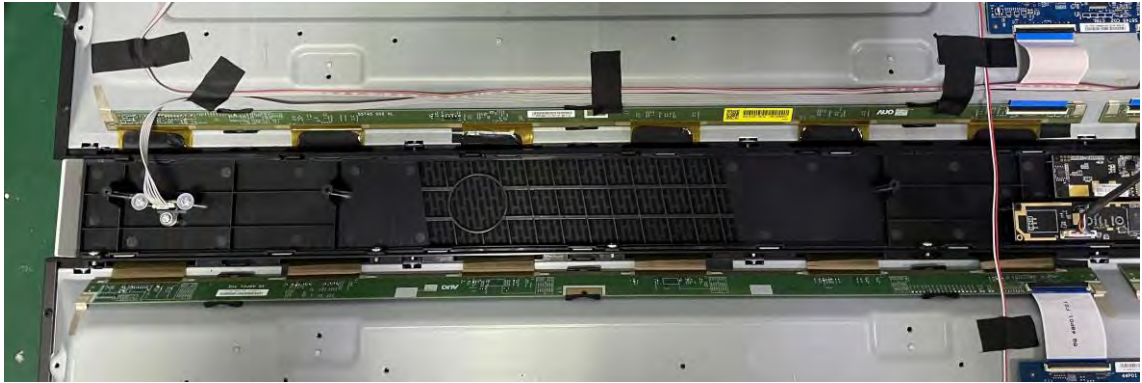
Internal Photos
M/N: TY55-1



Internal Photos
M/N: TY55-1



Internal Photos
M/N: TY55-1



Internal Photos
M/N: TY55-1



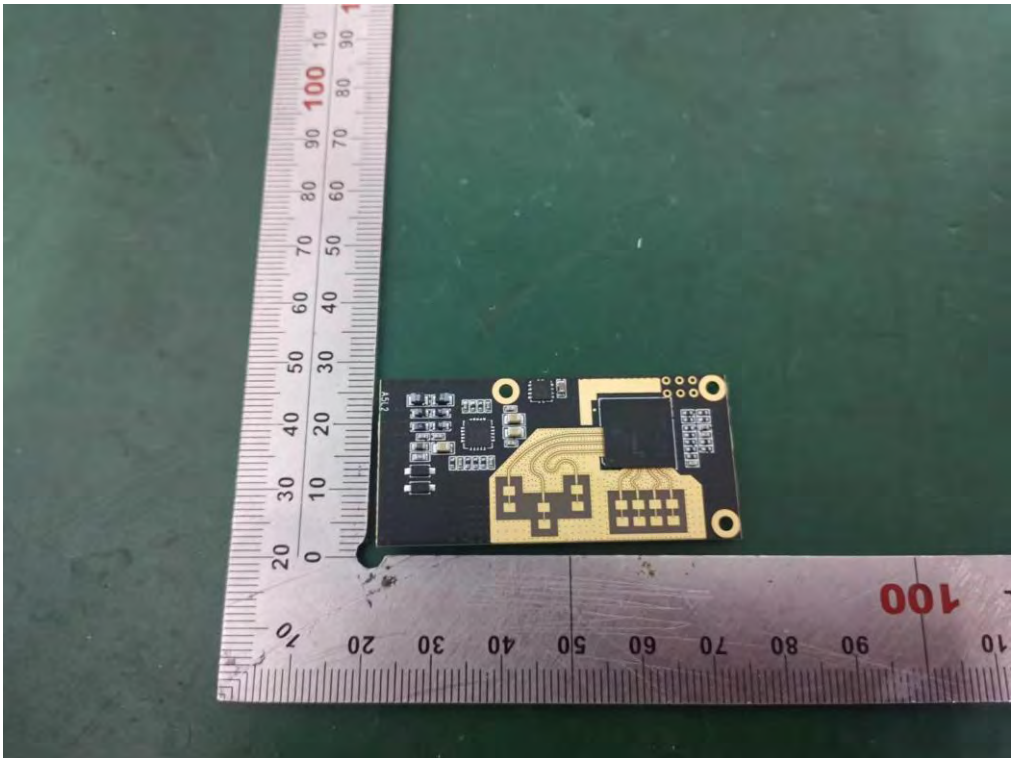
Internal Photos
M/N: TY55-1



Internal Photos
M/N: TY55-1



Internal Photos
M/N: TY55-1



End of Test Report