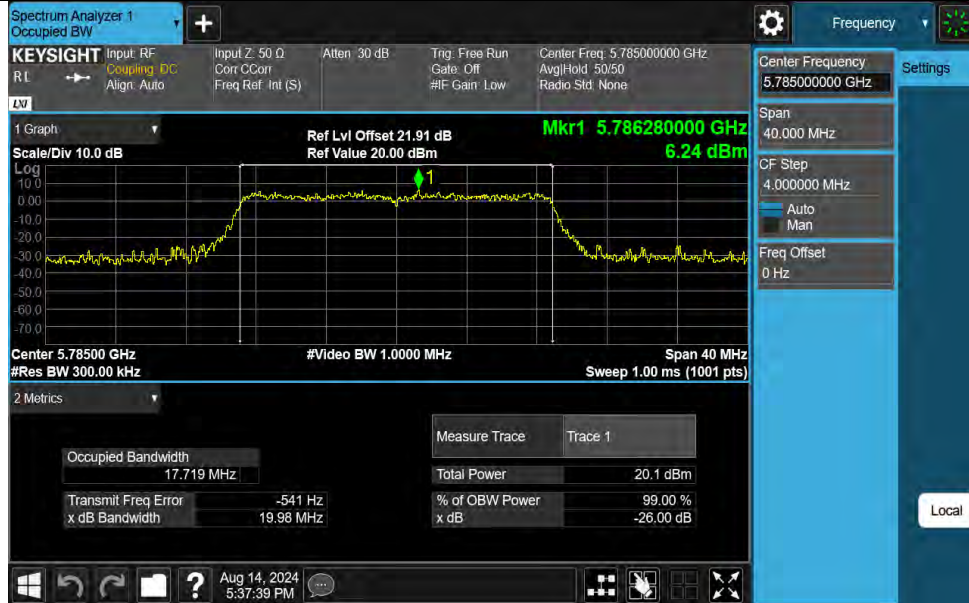
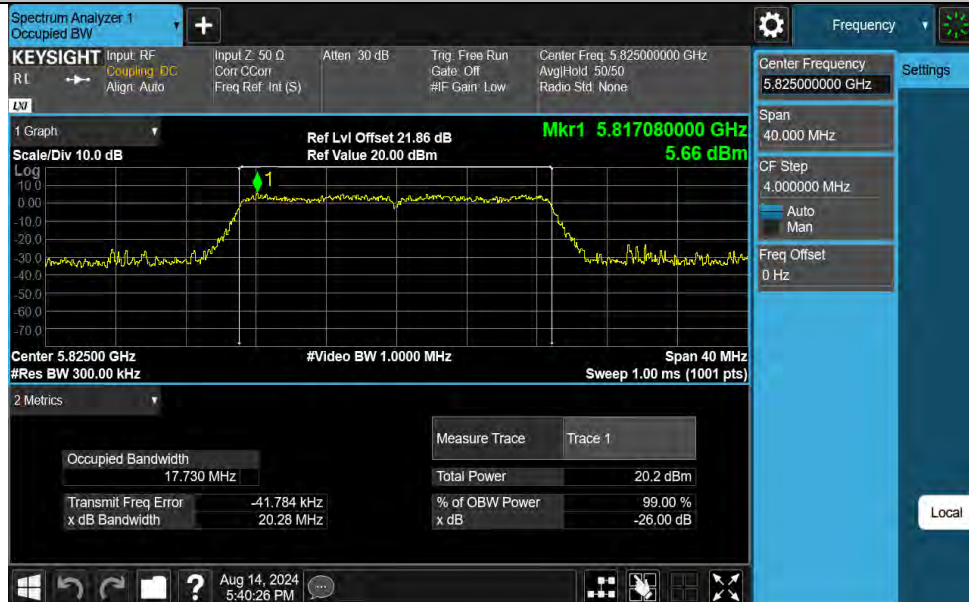


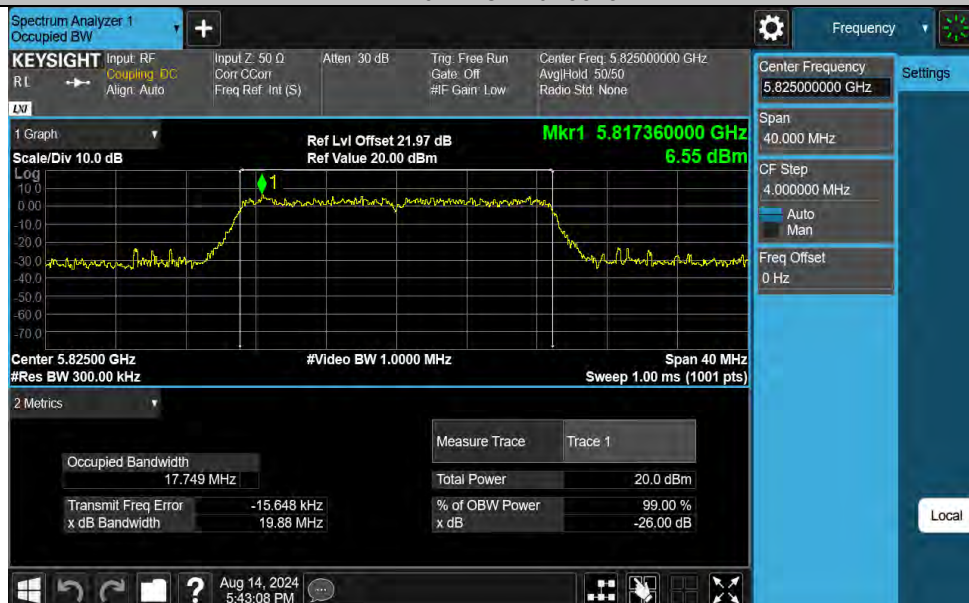
11N20MIMO-Ant2-5785



11N20MIMO-Ant1-5825



11N20MIMO-Ant2-5825



11N40MIMO-Ant1-5190



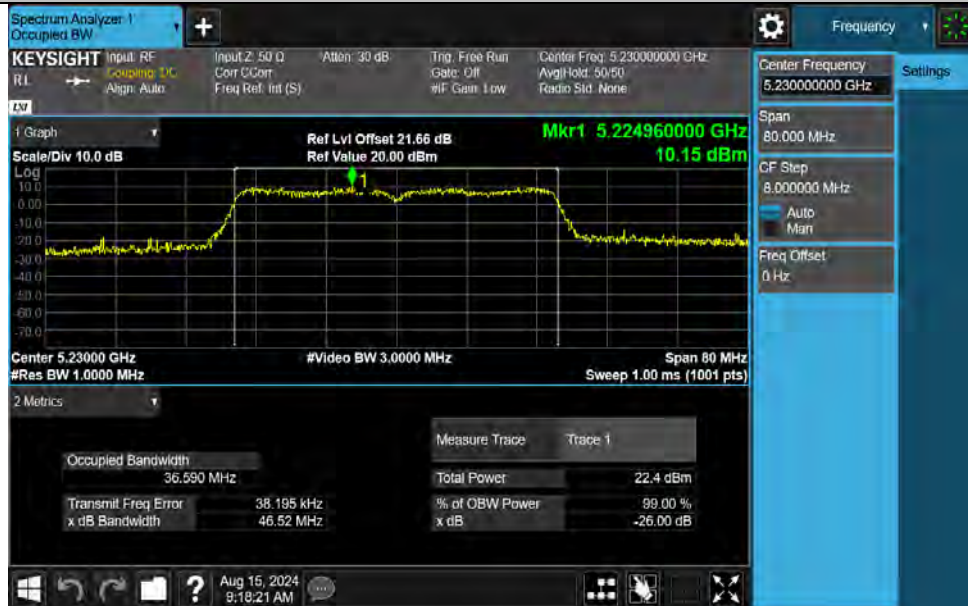
11N40MIMO-Ant2-5190



11N40MIMO-Ant1-5230



11N40MIMO-Ant2-5230



11N40MIMO-Ant1-5755



11N40MIMO-Ant2-5755



11N40MIMO-Ant1-5795



11N40MIMO-Ant2-5795



11AC20MIMO-Ant1-5180



11AC20MIMO-Ant2-5180



11AC20MIMO-Ant1-5200



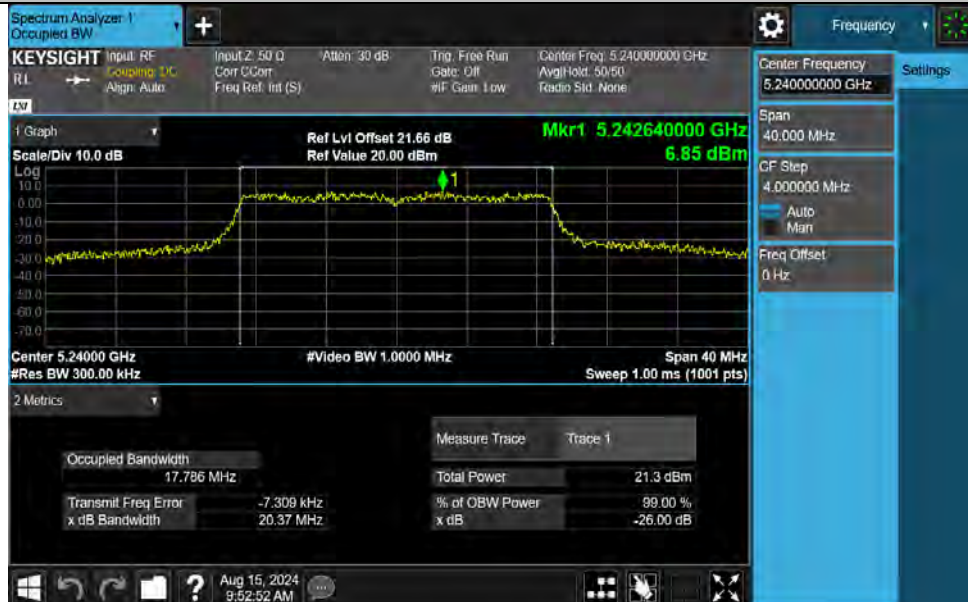
11AC20MIMO-Ant2-5200



11AC20MIMO-Ant1-5240



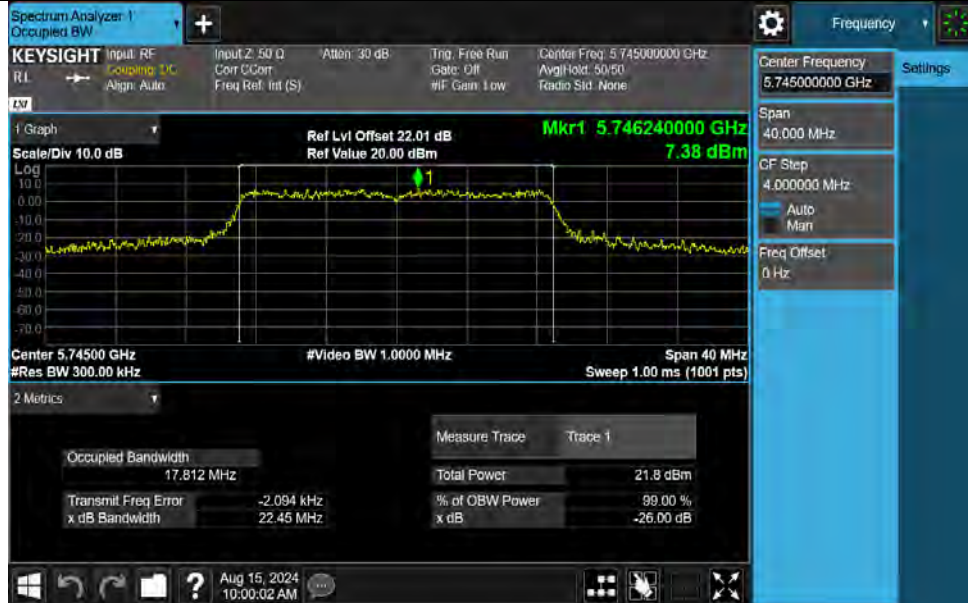
11AC20MIMO-Ant2-5240



11AC20MIMO-Ant1-5745



11AC20MIMO-Ant2-5745



11AC20MIMO-Ant1-5785



11AC20MIMO-Ant2-5785



11AC20MIMO-Ant1-5825



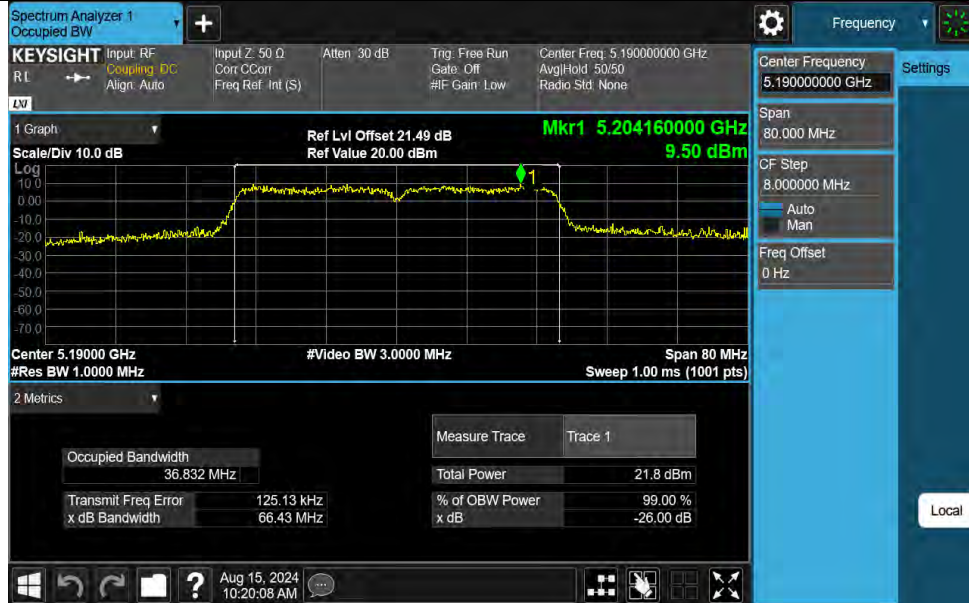
11AC20MIMO-Ant2-5825



11AC40MIMO-Ant1-5190



11AC40MIMO-Ant2-5190



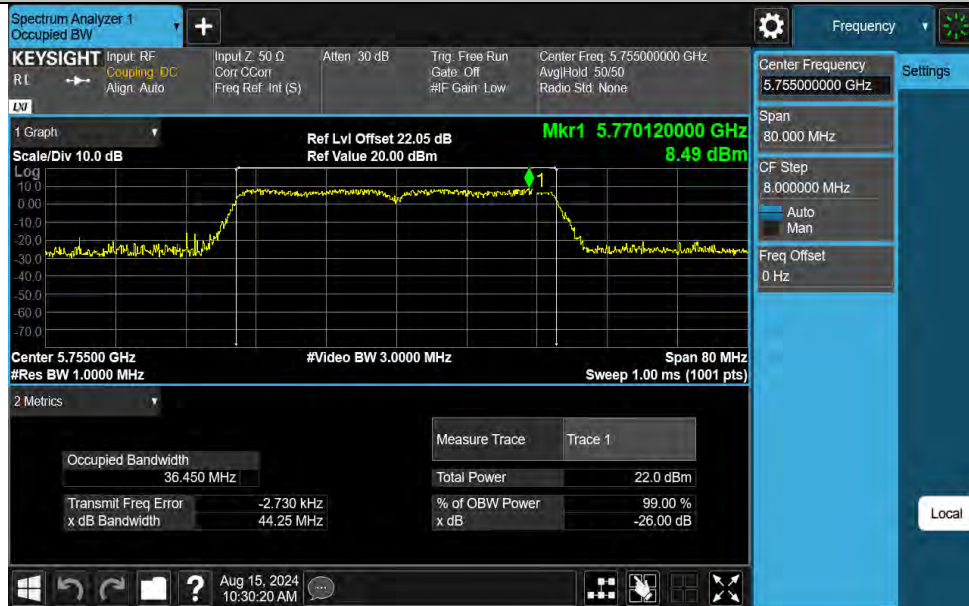
11AC40MIMO-Ant1-5230



11AC40MIMO-Ant2-5230



11AC40MIMO-Ant1-5755



11AC40MIMO-Ant2-5755



11AC40MIMO-Ant1-5795



11AC40MIMO-Ant2-5795



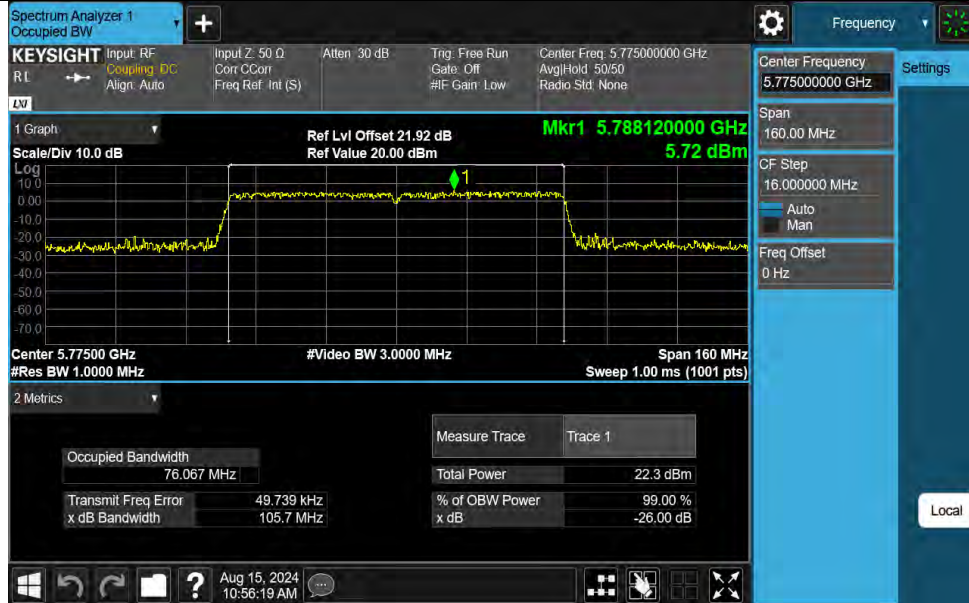
11AC80MIMO-Ant1-5210



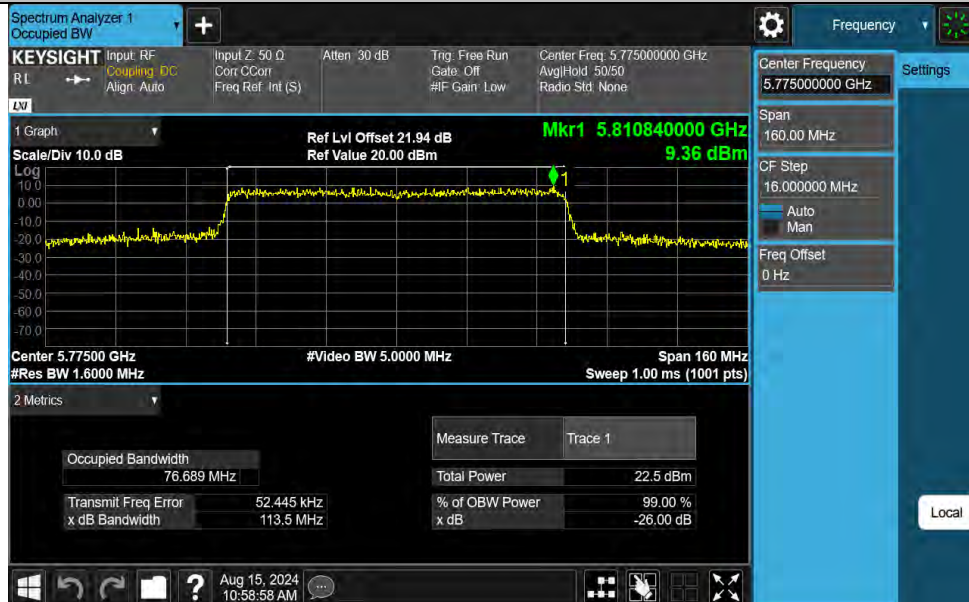
11AC80MIMO-Ant2-5210



11AC80MIMO-Ant1-5775



11AC80MIMO-Ant2-5775



Appendix A3: Min emission bandwidth Test Result B4

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.480	5736.760	5753.240	0.5	PASS
11A	Ant2	5745	16.480	5736.760	5753.240	0.5	PASS
11A	Ant1	5785	16.400	5776.800	5793.200	0.5	PASS
11A	Ant2	5785	16.520	5776.720	5793.240	0.5	PASS
11A	Ant1	5825	16.360	5816.800	5833.160	0.5	PASS
11A	Ant2	5825	16.400	5816.800	5833.200	0.5	PASS
11N20MIMO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
11N20MIMO	Ant2	5745	17.680	5736.120	5753.800	0.5	PASS
11N20MIMO	Ant1	5785	17.640	5776.160	5793.800	0.5	PASS
11N20MIMO	Ant2	5785	17.600	5776.160	5793.760	0.5	PASS
11N20MIMO	Ant1	5825	17.600	5816.160	5833.760	0.5	PASS
11N20MIMO	Ant2	5825	17.600	5816.160	5833.760	0.5	PASS
11N40MIMO	Ant1	5755	36.080	5736.840	5772.920	0.5	PASS
11N40MIMO	Ant2	5755	36.240	5736.840	5773.080	0.5	PASS
11N40MIMO	Ant1	5795	35.600	5777.160	5812.760	0.5	PASS
11N40MIMO	Ant2	5795	36.080	5776.760	5812.840	0.5	PASS
11AC20MIMO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
11AC20MIMO	Ant2	5745	17.600	5736.200	5753.800	0.5	PASS
11AC20MIMO	Ant1	5785	17.560	5776.200	5793.760	0.5	PASS
11AC20MIMO	Ant2	5785	17.640	5776.160	5793.800	0.5	PASS
11AC20MIMO	Ant1	5825	17.640	5816.160	5833.800	0.5	PASS
11AC20MIMO	Ant2	5825	17.720	5816.080	5833.800	0.5	PASS
11AC40MIMO	Ant1	5755	36.080	5737.080	5773.160	0.5	PASS
11AC40MIMO	Ant2	5755	35.840	5737.080	5772.920	0.5	PASS
11AC40MIMO	Ant1	5795	36.160	5777.000	5813.160	0.5	PASS
11AC40MIMO	Ant2	5795	36.240	5776.840	5813.080	0.5	PASS
11AC80MIMO	Ant1	5775	76.320	5736.760	5813.080	0.5	PASS
11AC80MIMO	Ant2	5775	76.160	5736.920	5813.080	0.5	PASS

Test Graphs B4

11A-Ant1-5745-PASS



11A-Ant2-5745-PASS



11A-Ant1-5785-PASS



11A-Ant2-5785-PASS



11A-Ant1-5825-PASS



11A-Ant2-5825-PASS



11N20MIMO-Ant1-5745-PASS



11N20MIMO-Ant2-5745-PASS



11N20MIMO-Ant1-5785-PASS



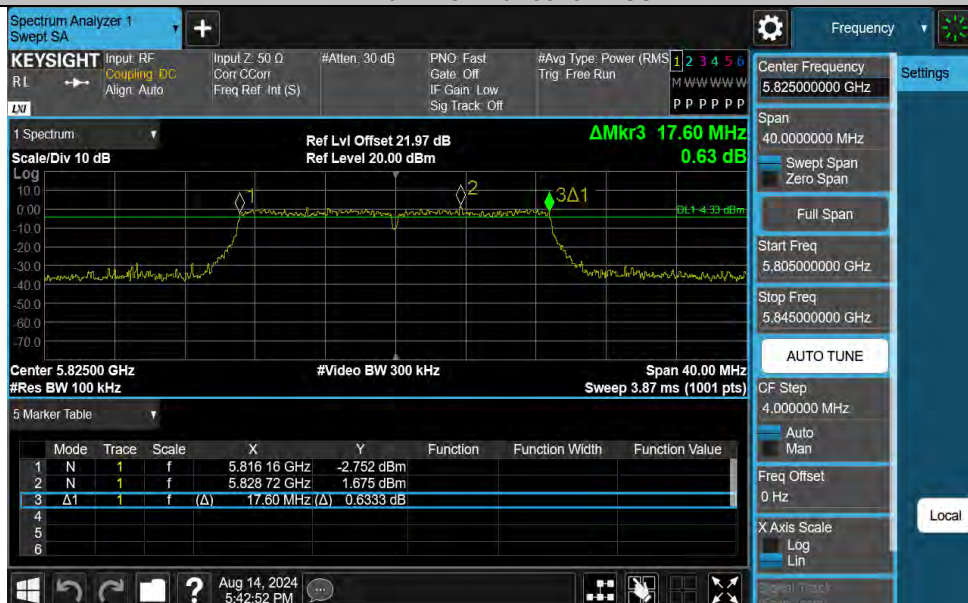
11N20MIMO-Ant2-5785-PASS



11N20MIMO-Ant1-5825-PASS



11N20MIMO-Ant2-5825-PASS



11N40MIMO-Ant1-5755-PASS



11N40MIMO-Ant2-5755-PASS



11N40MIMO-Ant1-5795-PASS



11N40MIMO-Ant2-5795-PASS



11AC20MIMO-Ant1-5745-PASS



11AC20MIMO-Ant2-5745-PASS



11AC20MIMO-Ant1-5785-PASS



11AC20MIMO-Ant2-5785-PASS



11AC20MIMO-Ant1-5825-PASS



11AC20MIMO-Ant2-5825-PASS



11AC40MIMO-Ant1-5755-PASS



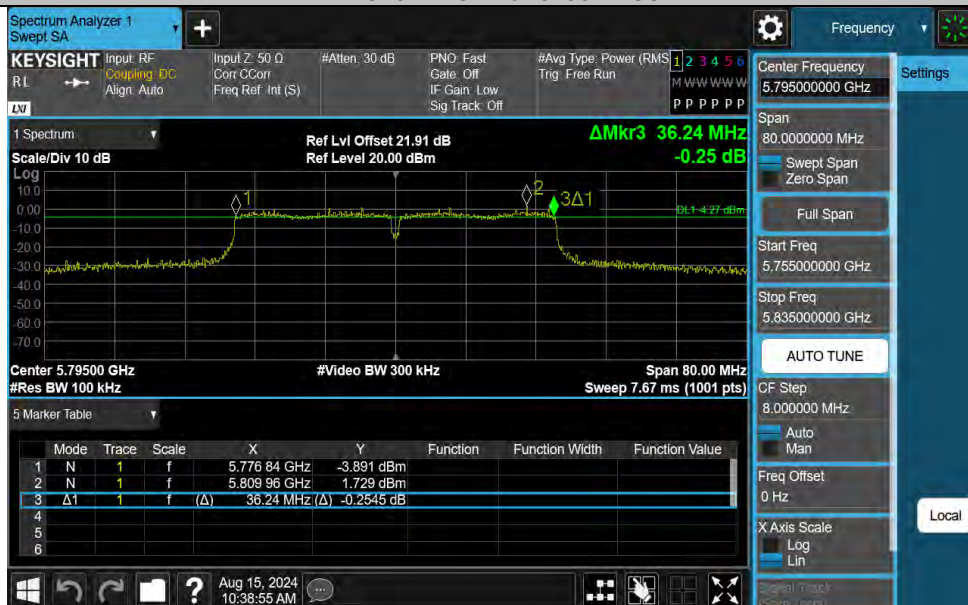
11AC40MIMO-Ant2-5755-PASS



11AC40MIMO-Ant1-5795-PASS

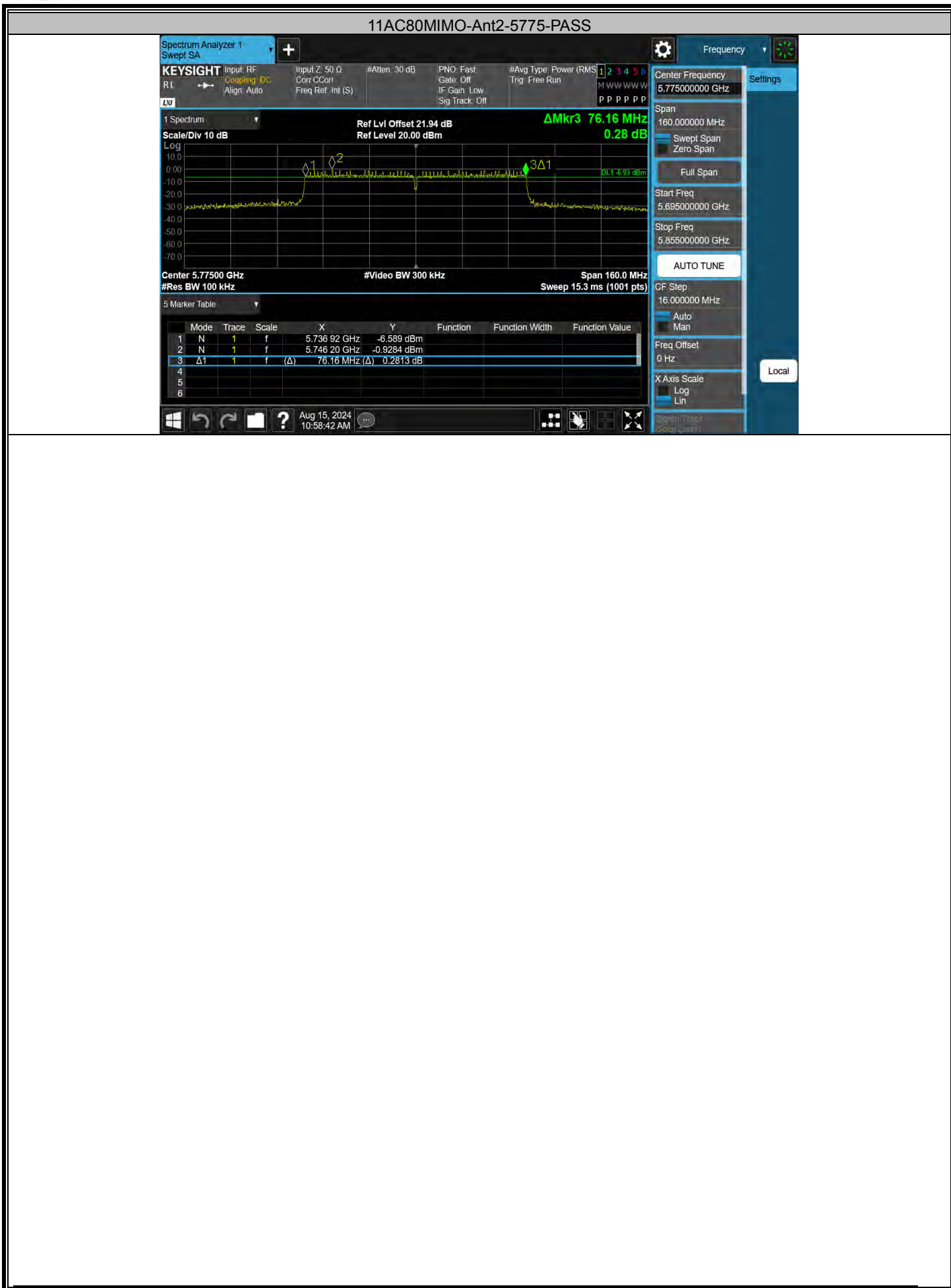


11AC40MIMO-Ant2-5795-PASS



11AC80MIMO-Ant1-5775-PASS





Appendix B: Duty Cycle Test Result

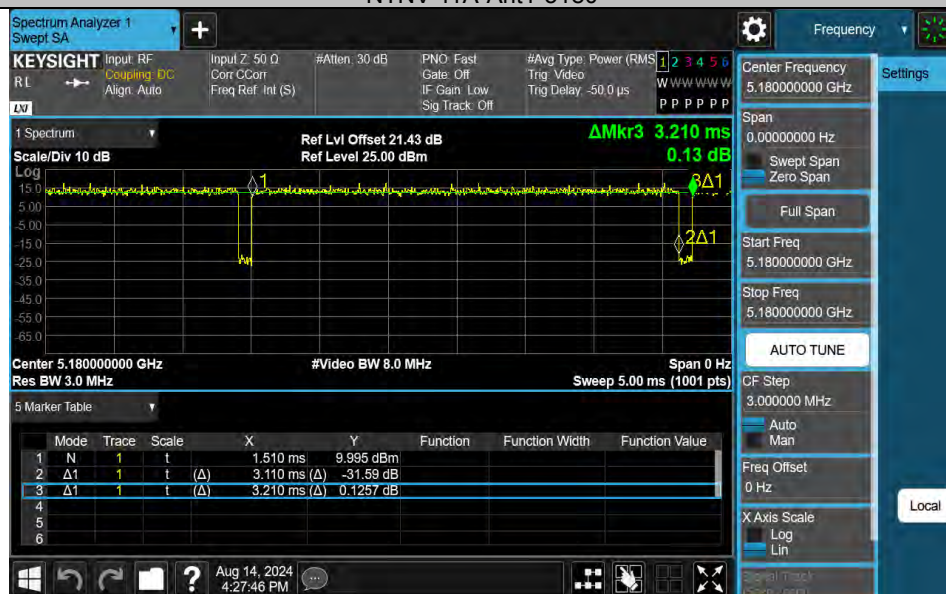
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	3.11	3.21	96.88
11A	Ant2	5180	3.11	3.21	96.88
11A	Ant1	5200	3.11	3.21	96.88
11A	Ant2	5200	3.11	3.21	96.88
11A	Ant1	5240	3.10	3.21	96.57
11A	Ant2	5240	3.11	3.21	96.88
11A	Ant1	5745	3.11	3.21	96.88
11A	Ant2	5745	3.11	3.21	96.88
11A	Ant1	5785	3.11	3.22	96.58
11A	Ant2	5785	3.11	3.21	96.88
11A	Ant1	5825	3.11	3.22	96.58
11A	Ant2	5825	3.11	3.21	96.88
11N20MIMO	Ant1	5180	4.77	4.87	97.95
11N20MIMO	Ant2	5180	4.77	4.87	97.95
11N20MIMO	Ant1	5200	4.76	4.87	97.74
11N20MIMO	Ant2	5200	4.77	4.87	97.95
11N20MIMO	Ant1	5240	4.77	4.87	97.95
11N20MIMO	Ant2	5240	4.77	4.87	97.95
11N20MIMO	Ant1	5745	4.77	4.87	97.95
11N20MIMO	Ant2	5745	4.77	4.88	97.75
11N20MIMO	Ant1	5785	4.76	4.87	97.74
11N20MIMO	Ant2	5785	4.77	4.87	97.95
11N20MIMO	Ant1	5825	4.77	4.87	97.95
11N20MIMO	Ant2	5825	4.77	4.87	97.95
11N40MIMO	Ant1	5190	2.32	2.42	95.87
11N40MIMO	Ant2	5190	2.32	2.43	95.47
11N40MIMO	Ant1	5230	2.32	2.42	95.87
11N40MIMO	Ant2	5230	2.32	2.42	95.87
11N40MIMO	Ant1	5755	2.32	2.42	95.87
11N40MIMO	Ant2	5755	2.32	2.42	95.87
11N40MIMO	Ant1	5795	2.32	2.42	95.87
11N40MIMO	Ant2	5795	2.31	2.41	95.85
11AC20MIMO	Ant1	5180	4.78	4.88	97.95
11AC20MIMO	Ant2	5180	4.78	4.88	97.95
11AC20MIMO	Ant1	5200	4.78	4.88	97.95
11AC20MIMO	Ant2	5200	4.78	4.88	97.95
11AC20MIMO	Ant1	5240	4.78	4.89	97.75
11AC20MIMO	Ant2	5240	4.78	4.89	97.75
11AC20MIMO	Ant1	5745	4.78	4.88	97.95
11AC20MIMO	Ant2	5745	4.78	4.88	97.95
11AC20MIMO	Ant1	5785	4.78	4.88	97.95
11AC20MIMO	Ant2	5785	4.78	4.88	97.95
11AC20MIMO	Ant1	5825	4.78	4.89	97.75
11AC20MIMO	Ant2	5825	4.78	4.88	97.95
11AC40MIMO	Ant1	5190	2.33	2.43	95.88
11AC40MIMO	Ant2	5190	2.33	2.43	95.88
11AC40MIMO	Ant1	5230	2.32	2.43	95.47
11AC40MIMO	Ant2	5230	2.32	2.42	95.87
11AC40MIMO	Ant1	5755	2.32	2.42	95.87
11AC40MIMO	Ant2	5755	2.33	2.43	95.88
11AC40MIMO	Ant1	5795	2.32	2.43	95.47
11AC40MIMO	Ant2	5795	2.32	2.43	95.47



11AC80MIMO	Ant1	5210	1.09	1.20	90.83
11AC80MIMO	Ant2	5210	1.10	1.20	91.67
11AC80MIMO	Ant1	5775	1.09	1.19	91.60
11AC80MIMO	Ant2	5775	1.10	1.20	91.67

Test Graphs

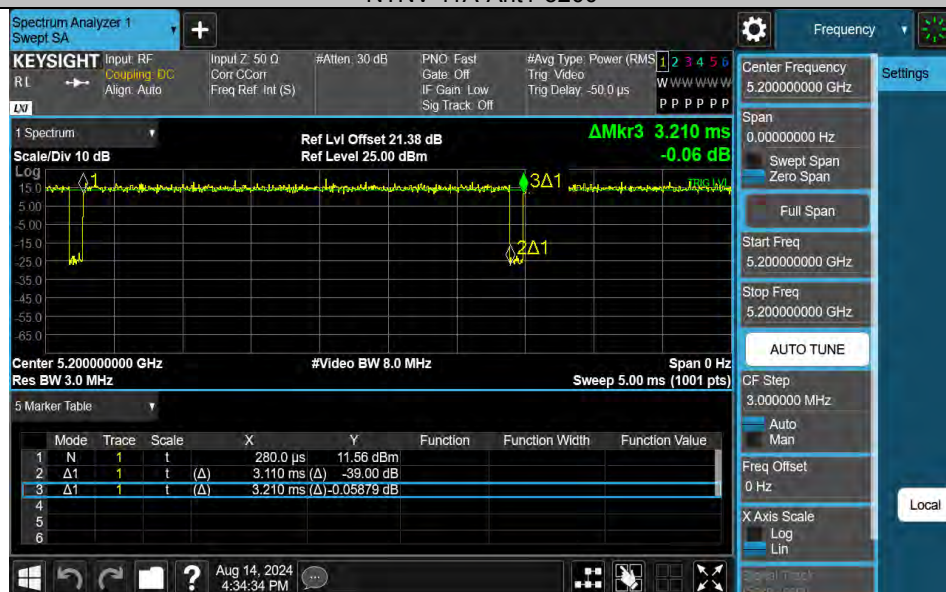
NTNV-11A-Ant1-5180



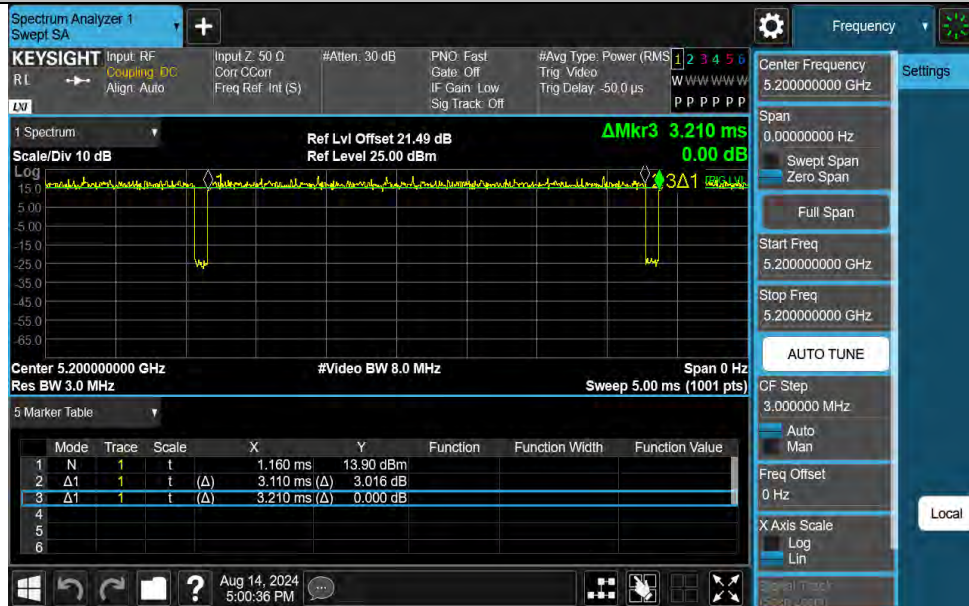
NTNV-11A-Ant2-5180



NTNV-11A-Ant1-5200



NTNV-11A-Ant2-5200



NTNV-11A-Ant1-5240



NTNV-11A-Ant2-5240



NTNV-11A-Ant1-5745



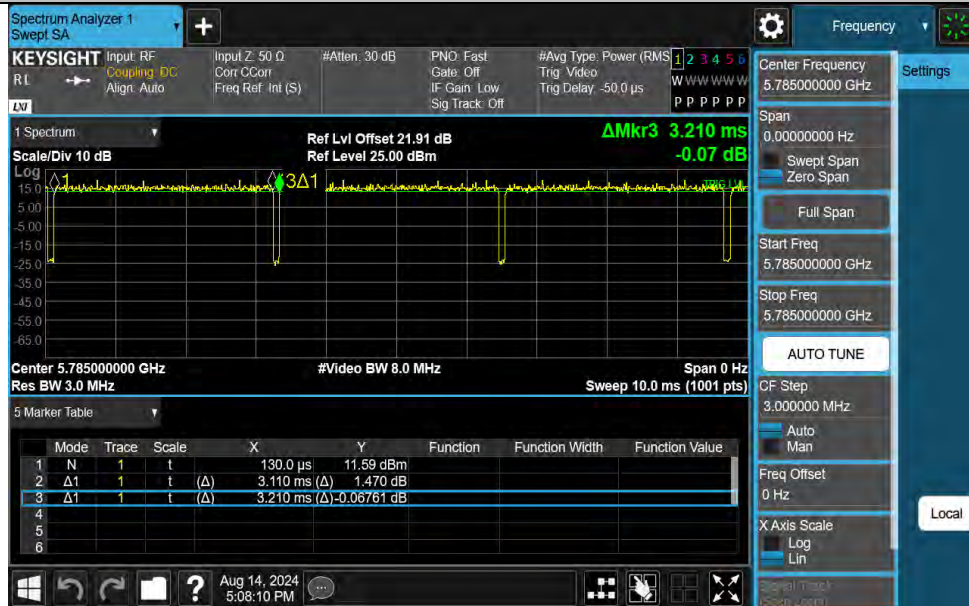
NTNV-11A-Ant2-5745



NTNV-11A-Ant1-5785



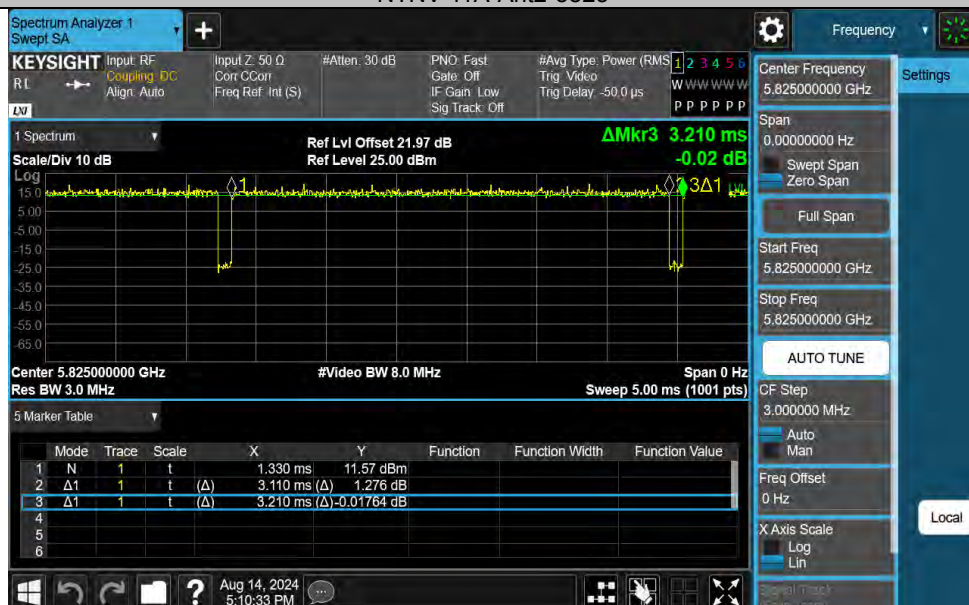
NTNV-11A-Ant2-5785



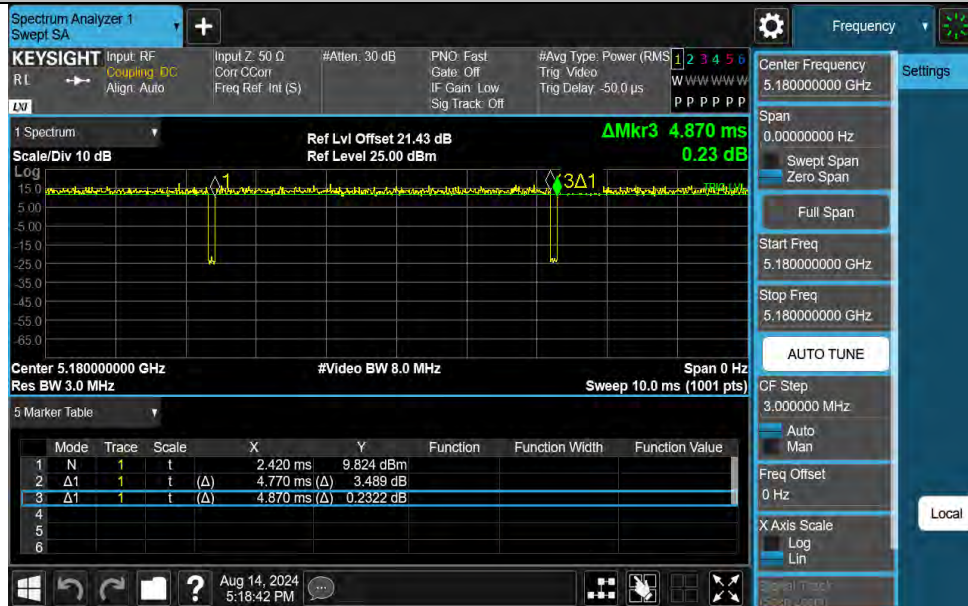
NTNV-11A-Ant1-5825



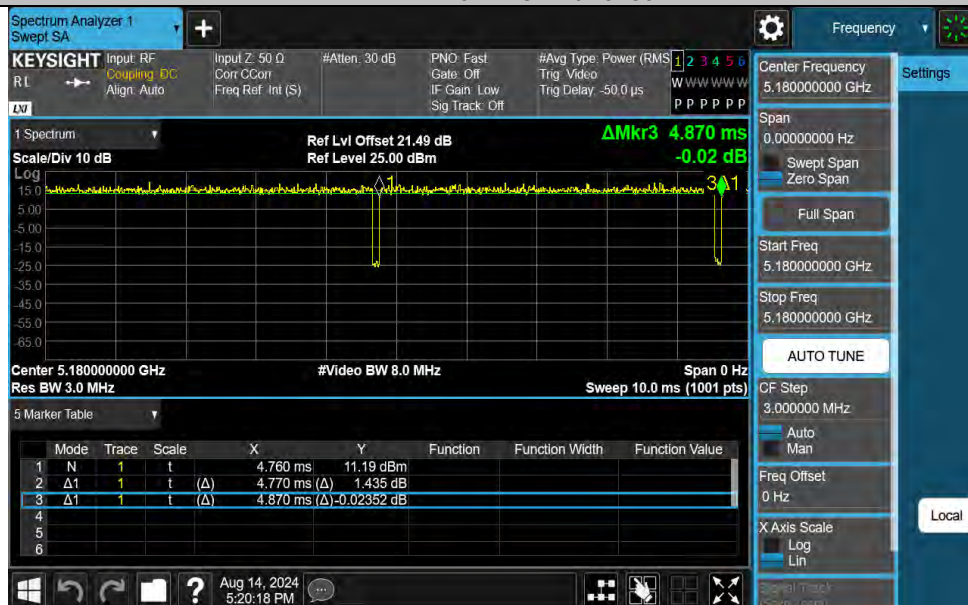
NTNV-11A-Ant2-5825



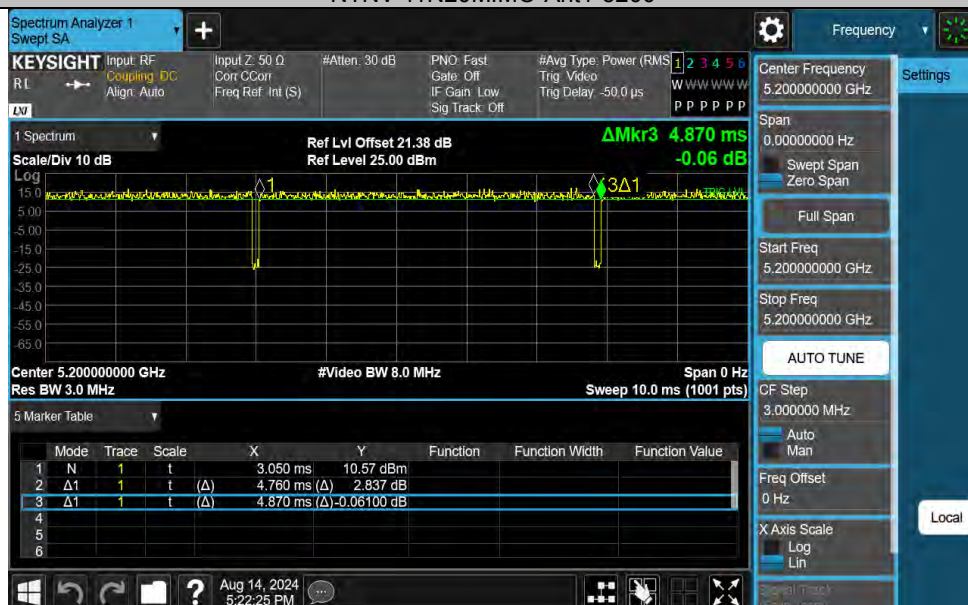
NTNV-11N20MIMO-Ant1-5180



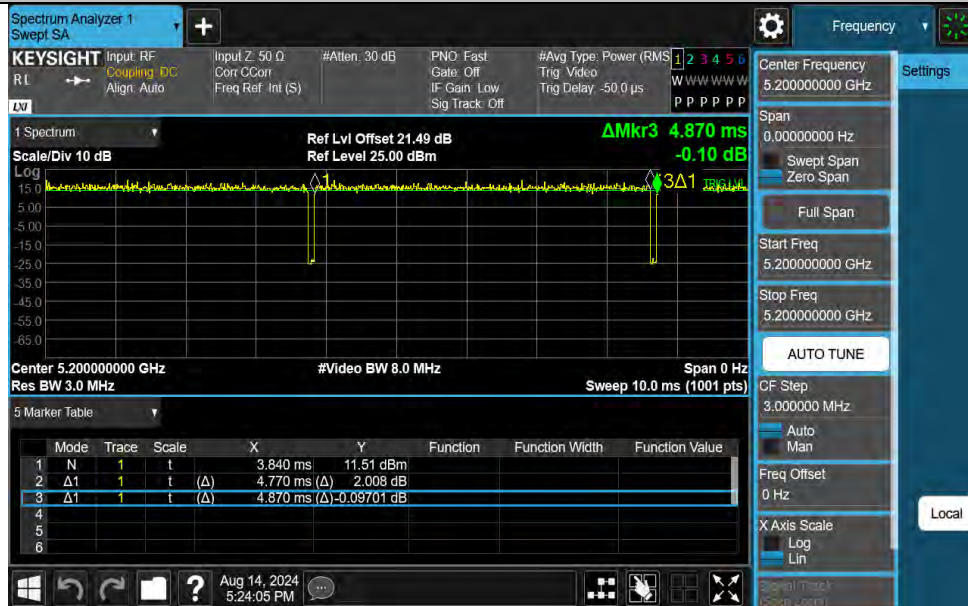
NTNV-11N20MIMO-Ant2-5180



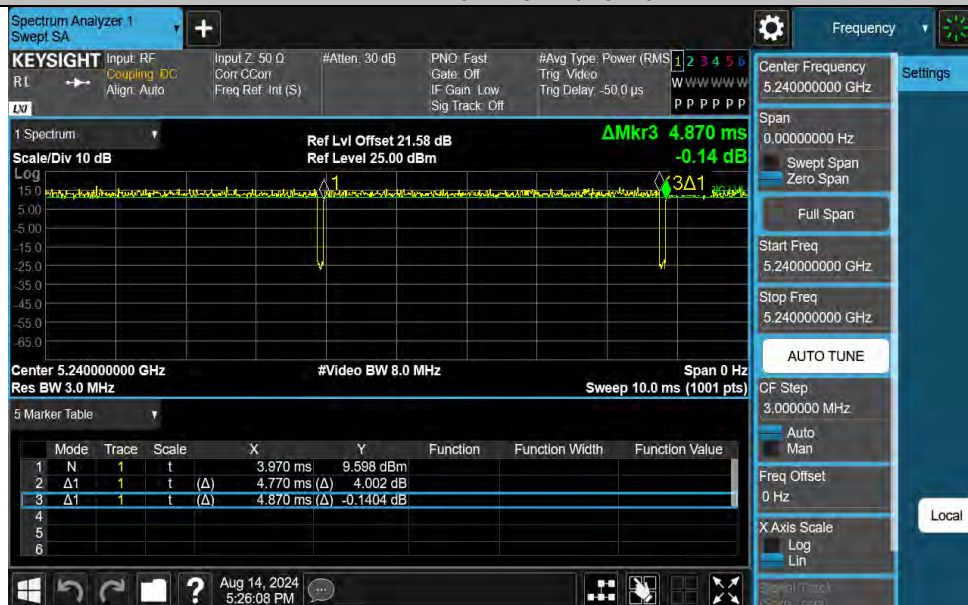
NTNV-11N20MIMO-Ant1-5200



NTNV-11N20MIMO-Ant2-5200



NTNV-11N20MIMO-Ant1-5240



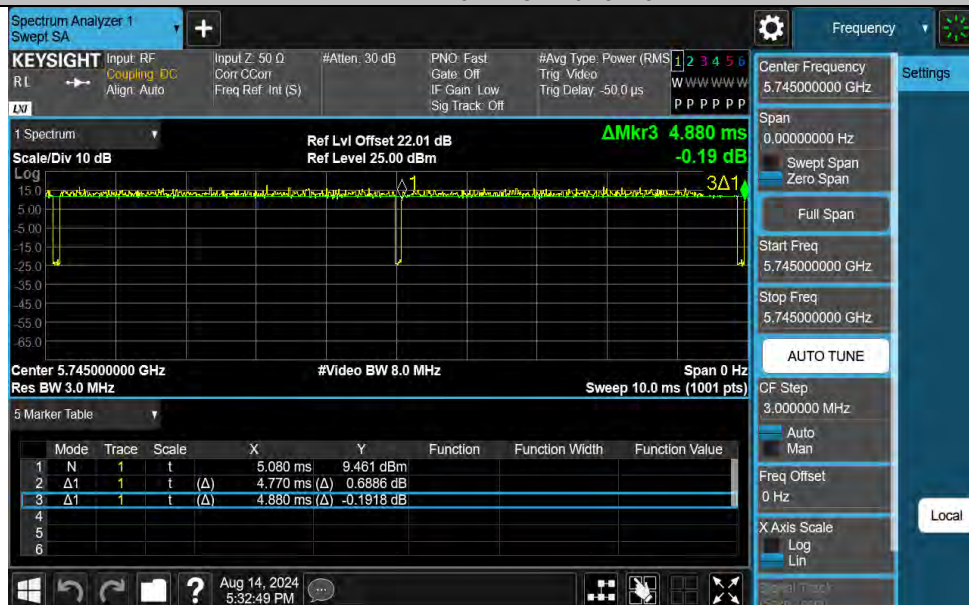
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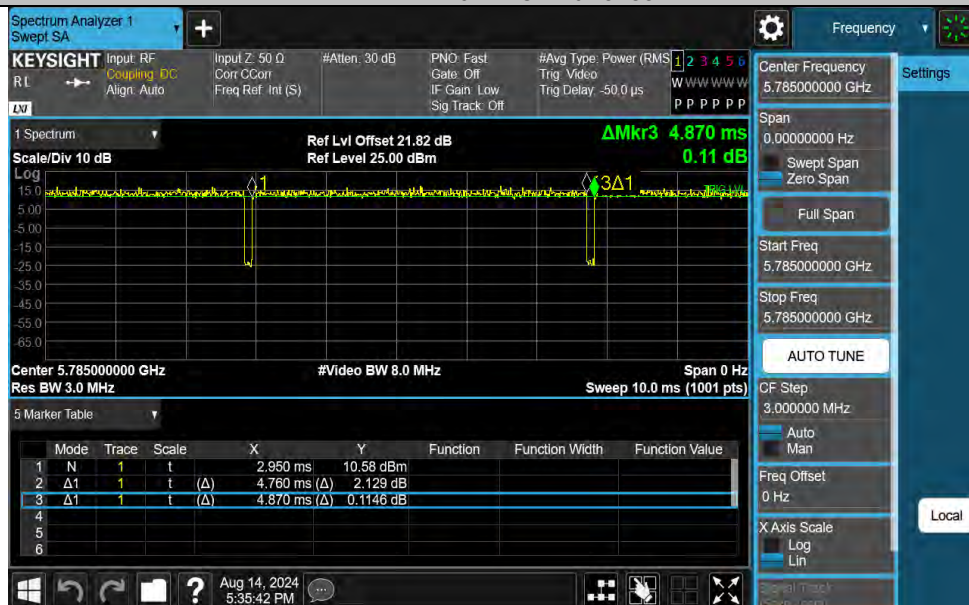
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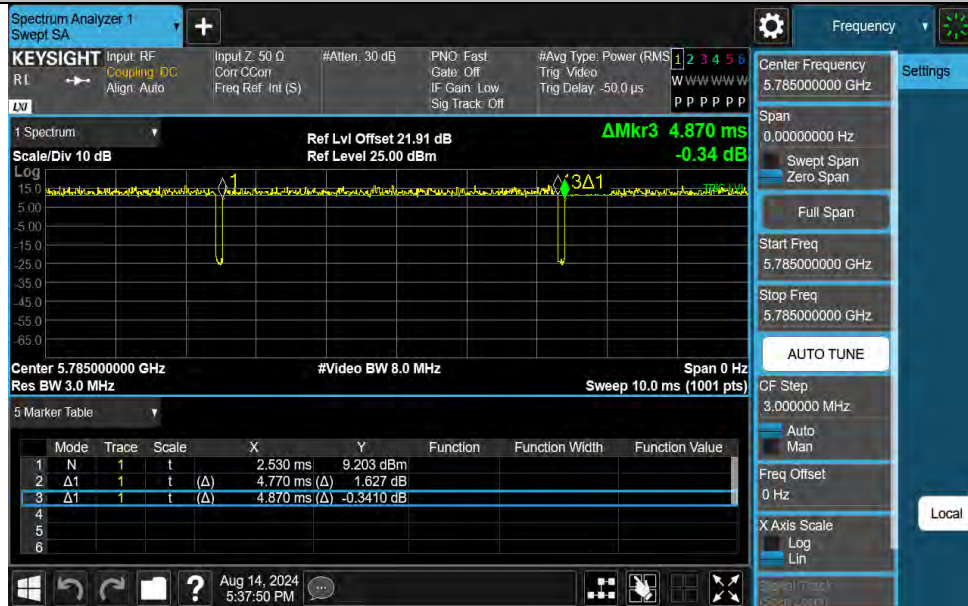
NTNV-11N20MIMO-Ant2-5745



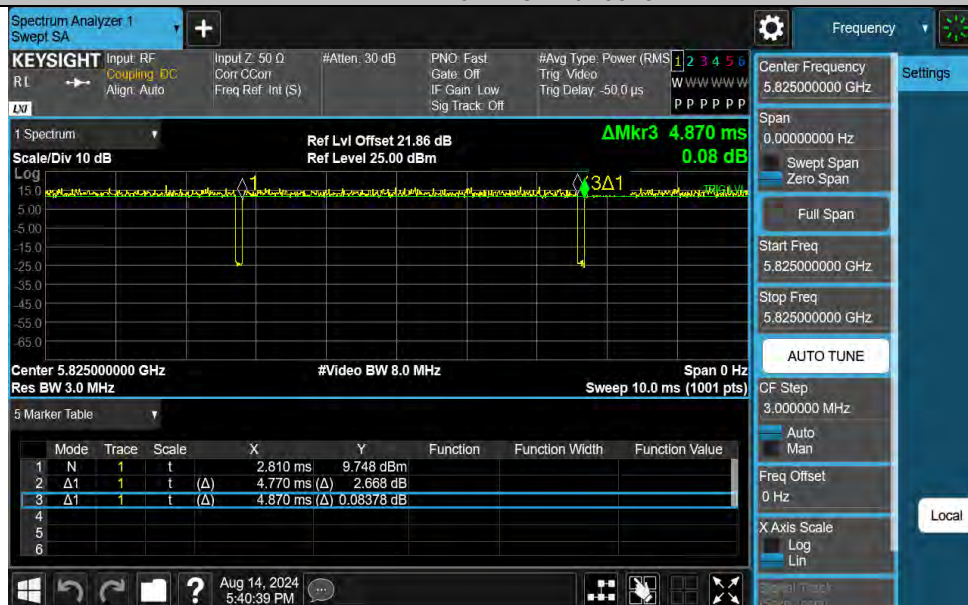
NTNV-11N20MIMO-Ant1-5785



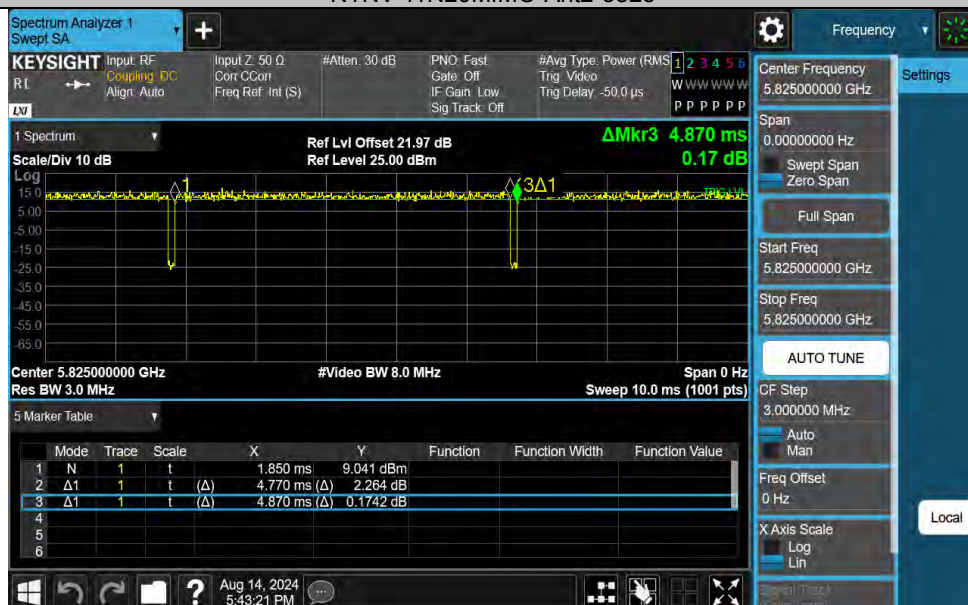
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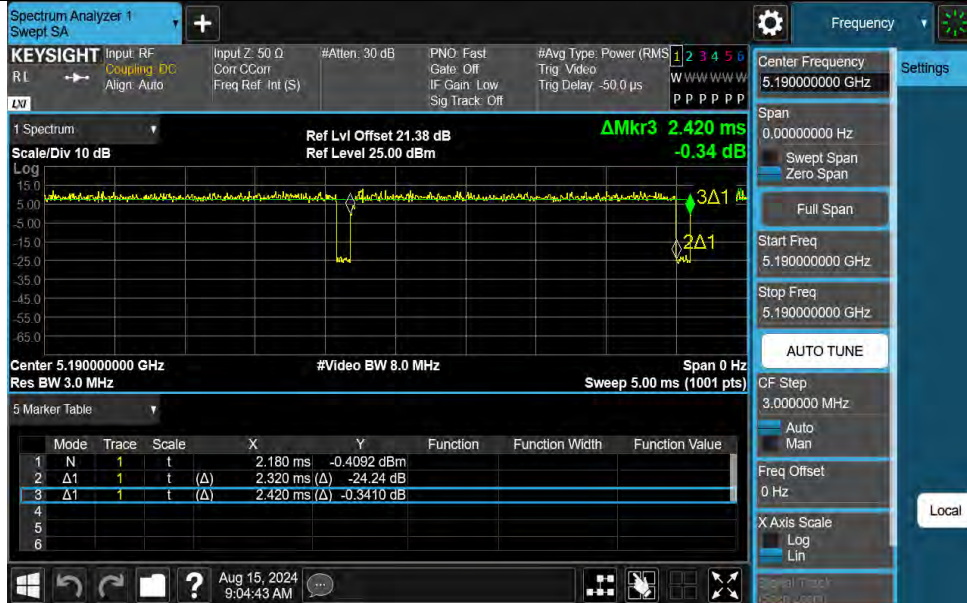
NTNV-11N20MIMO-Ant1-5825



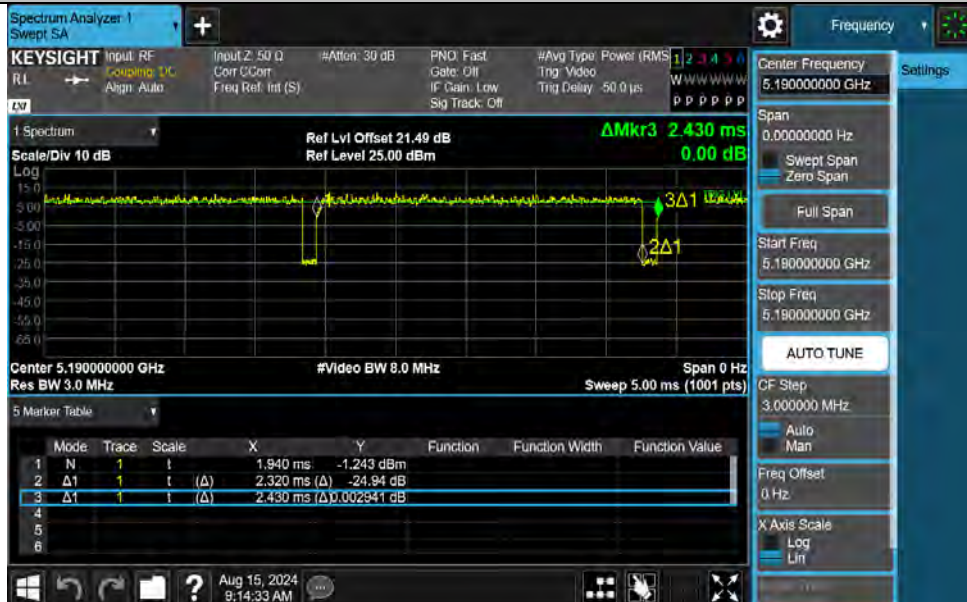
NTNV-11N20MIMO-Ant2-5825



NTNV-11N40MIMO-Ant1-5190



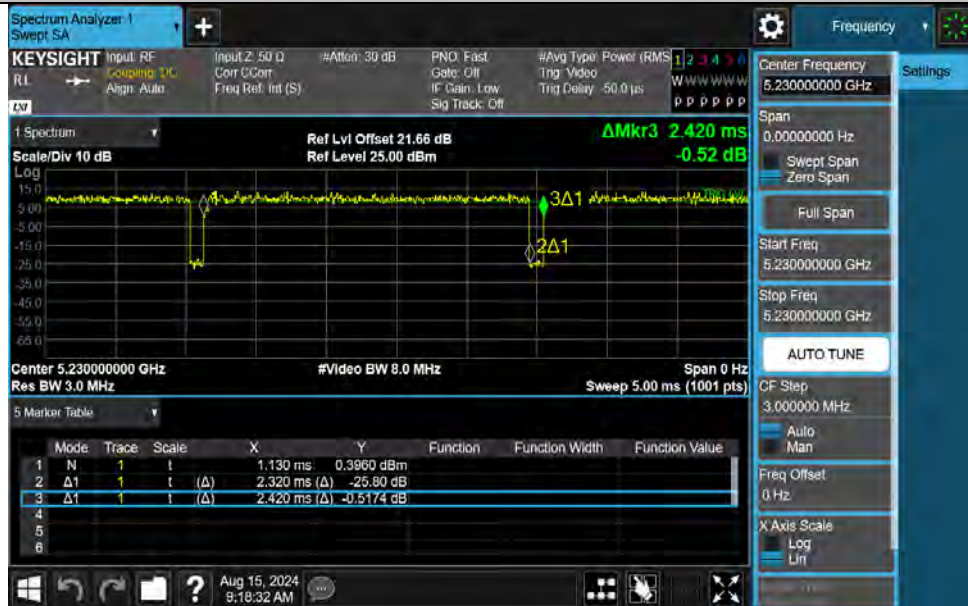
NTNV-11N40MIMO-Ant2-5190



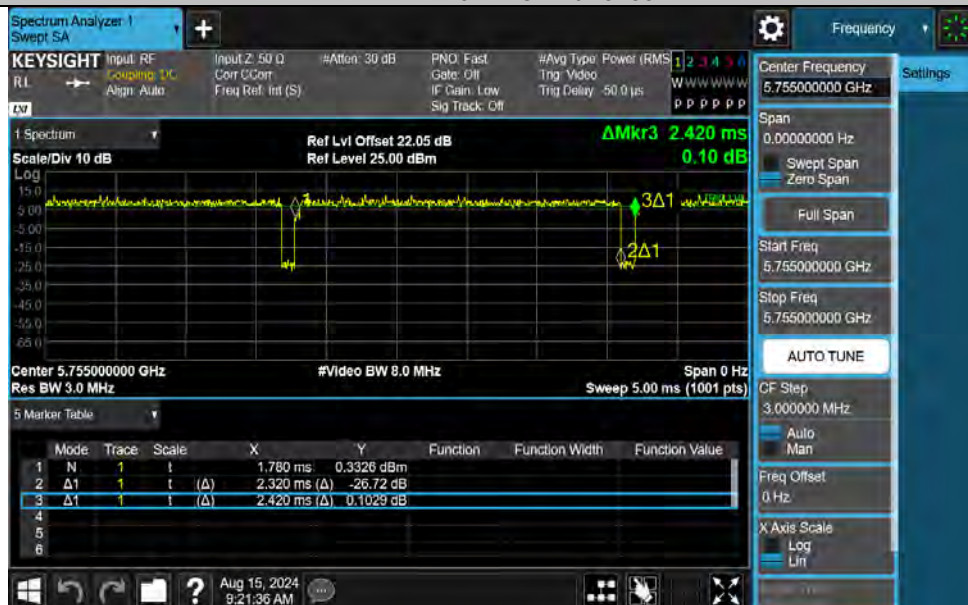
NTNV-11N40MIMO-Ant1-5230



NTNV-11N40MIMO-Ant2-5230



NTNV-11N40MIMO-Ant1-5755



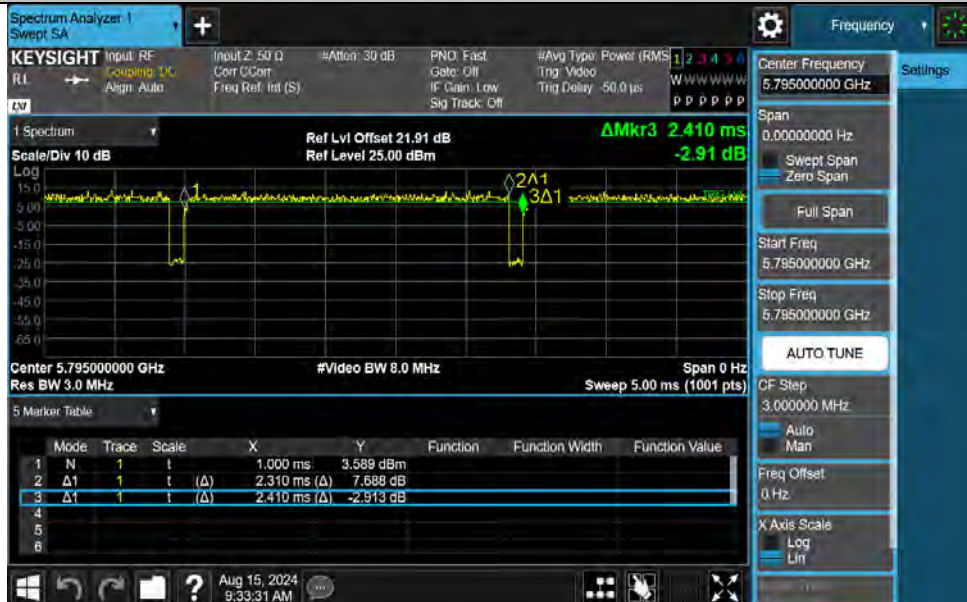
NTNV-11N40MIMO-Ant2-5755



NTNV-11N40MIMO-Ant1-5795



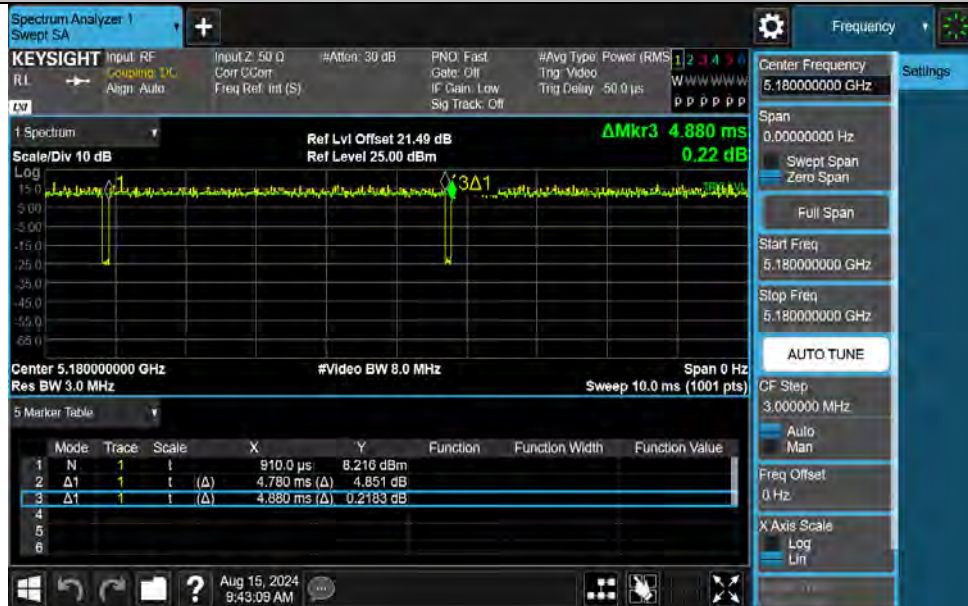
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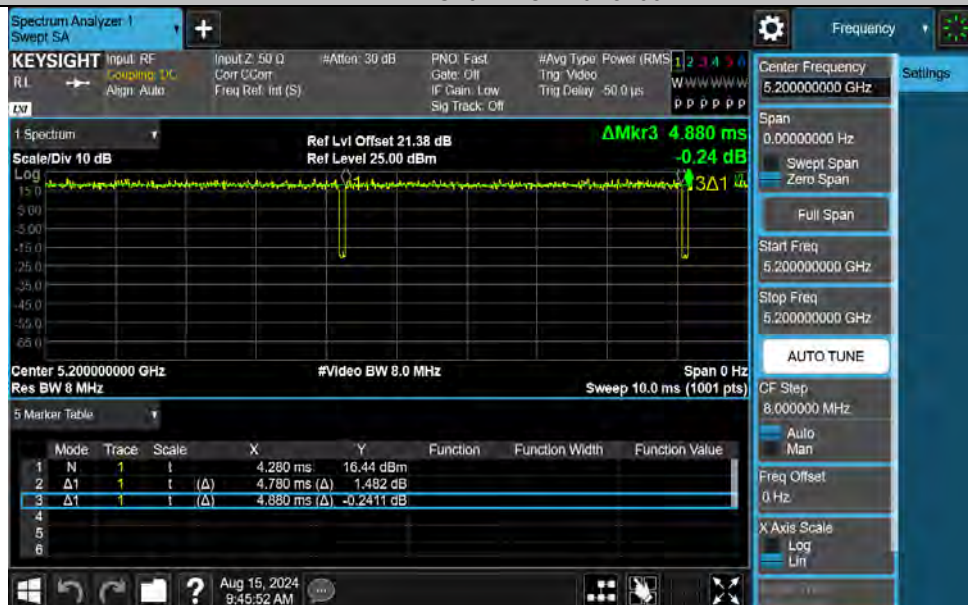
NTNV-11AC20MIMO-Ant1-5180



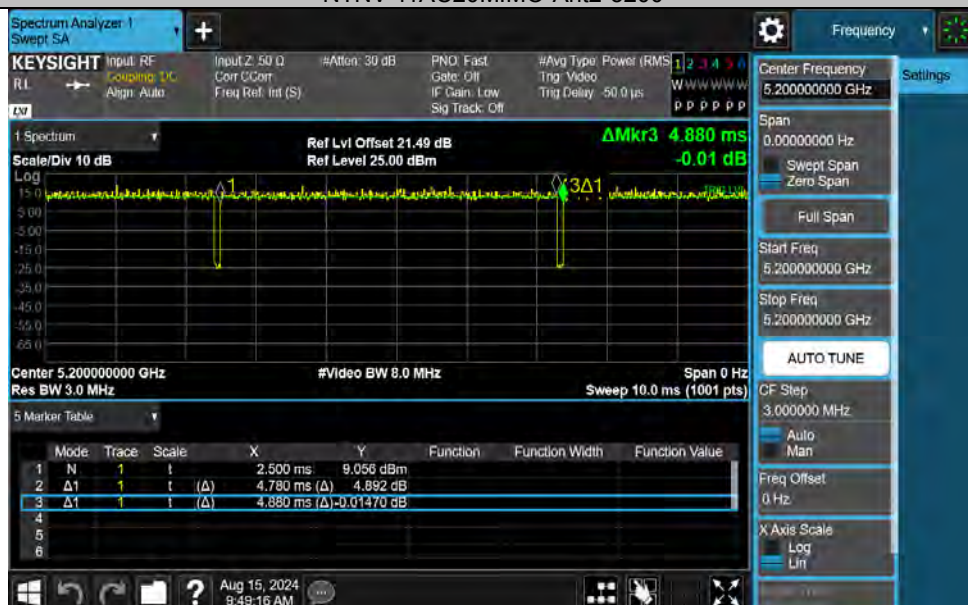
NTNV-11AC20MIMO-Ant2-5180



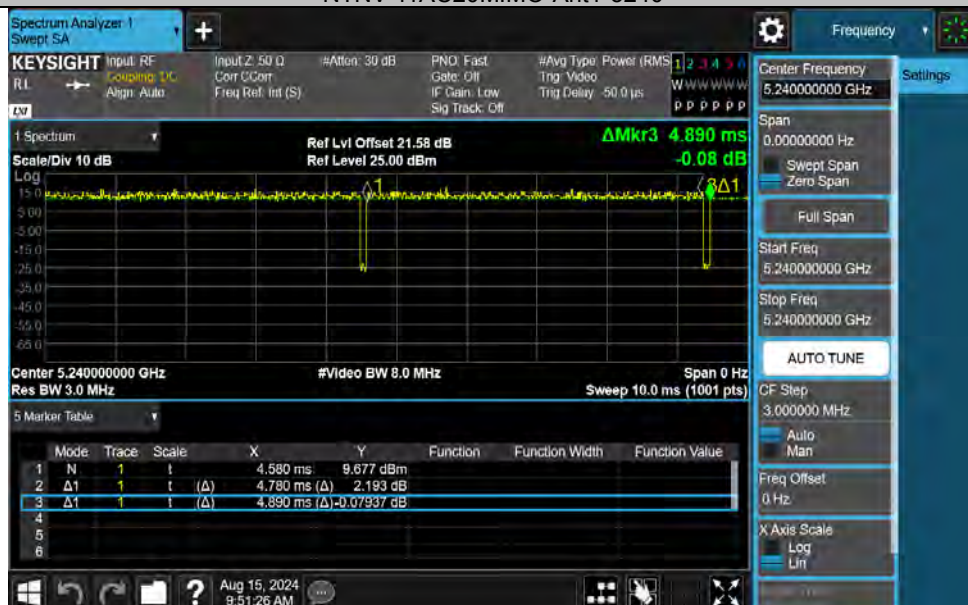
NTNV-11AC20MIMO-Ant1-5200



NTNV-11AC20MIMO-Ant2-5200



NTNV-11AC20MIMO-Ant1-5240



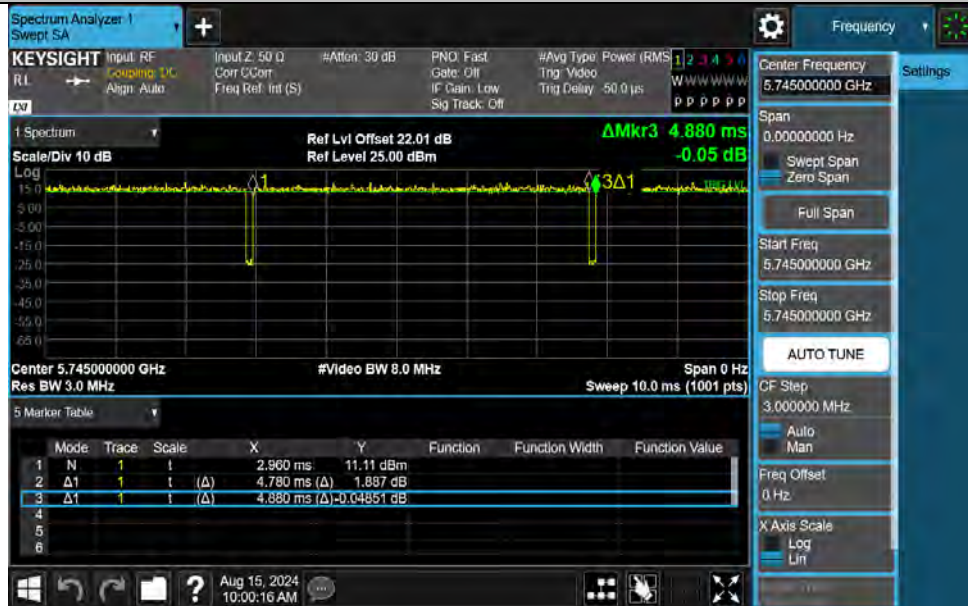
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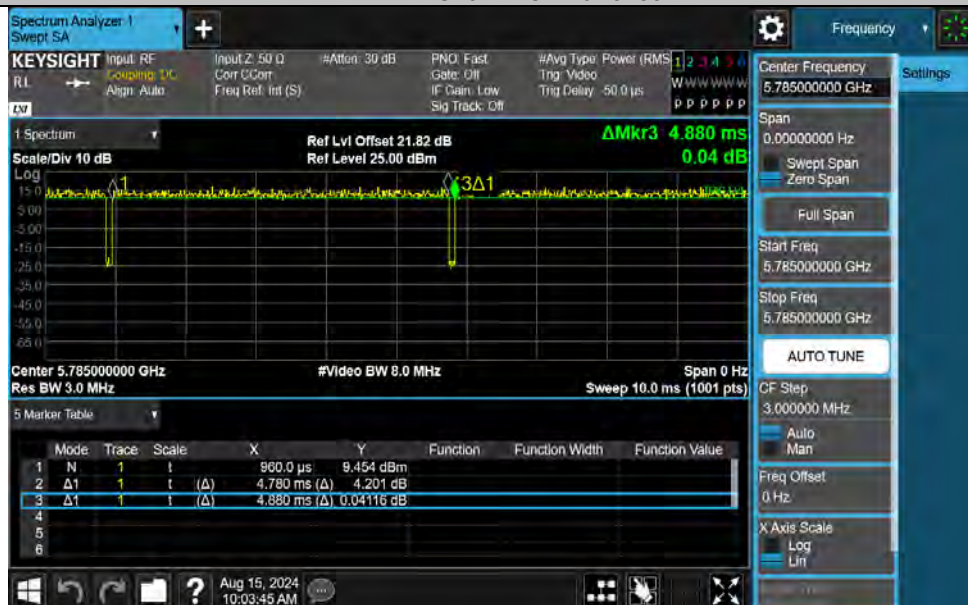
NTNV-11AC20MIMO-Ant1-5745



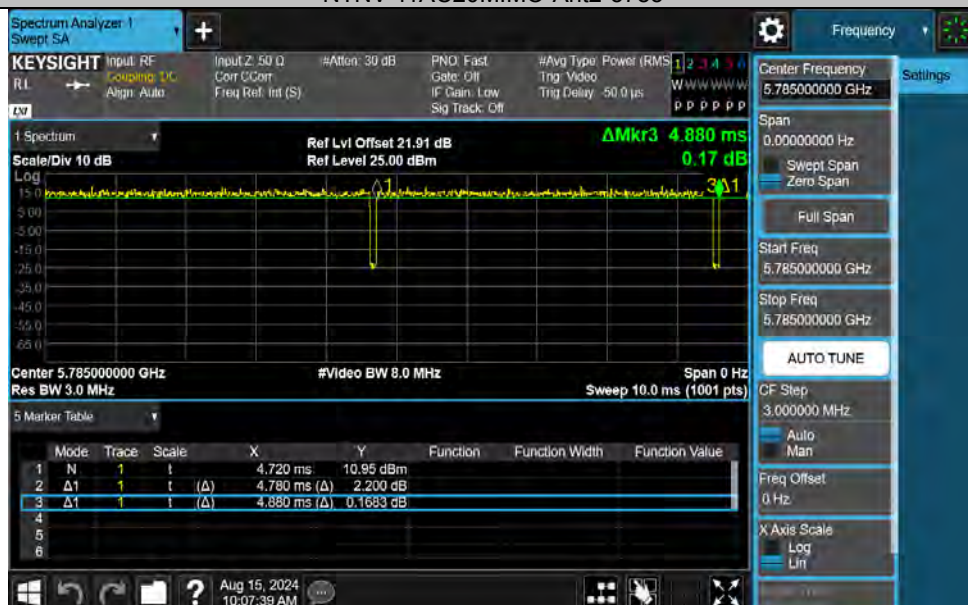
NTNV-11AC20MIMO-Ant2-5745



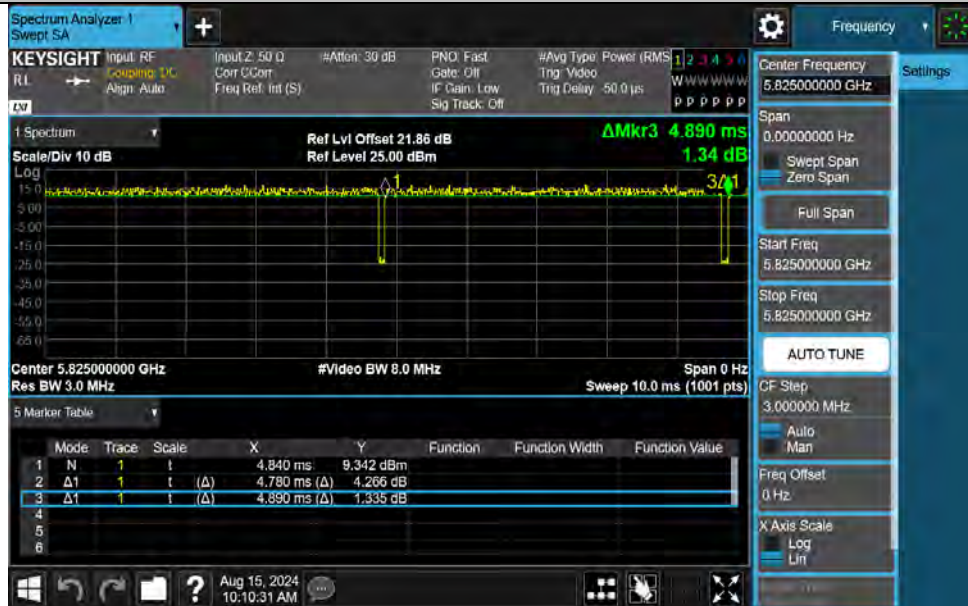
NTNV-11AC20MIMO-Ant1-5785



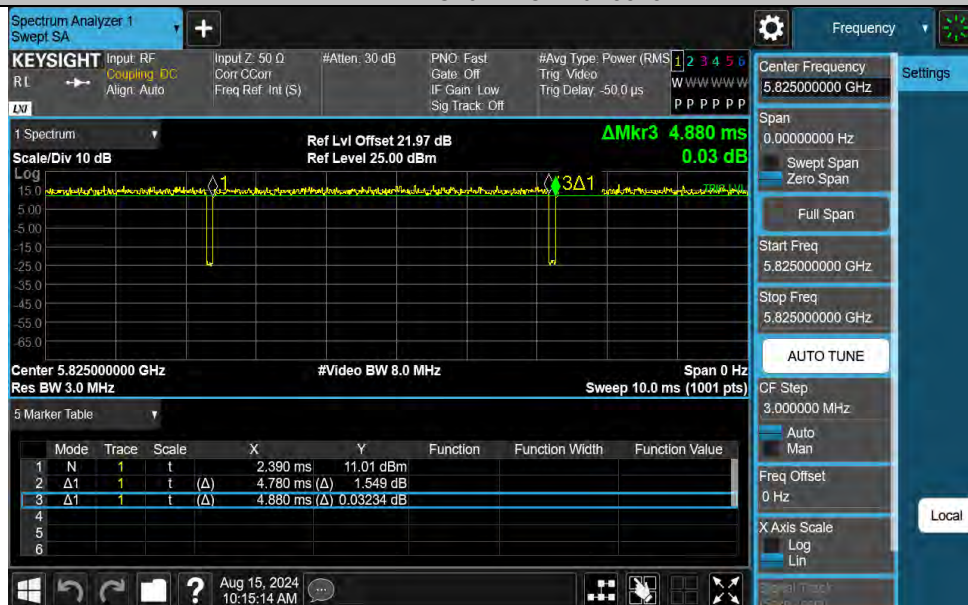
NTNV-11AC20MIMO-Ant2-5785



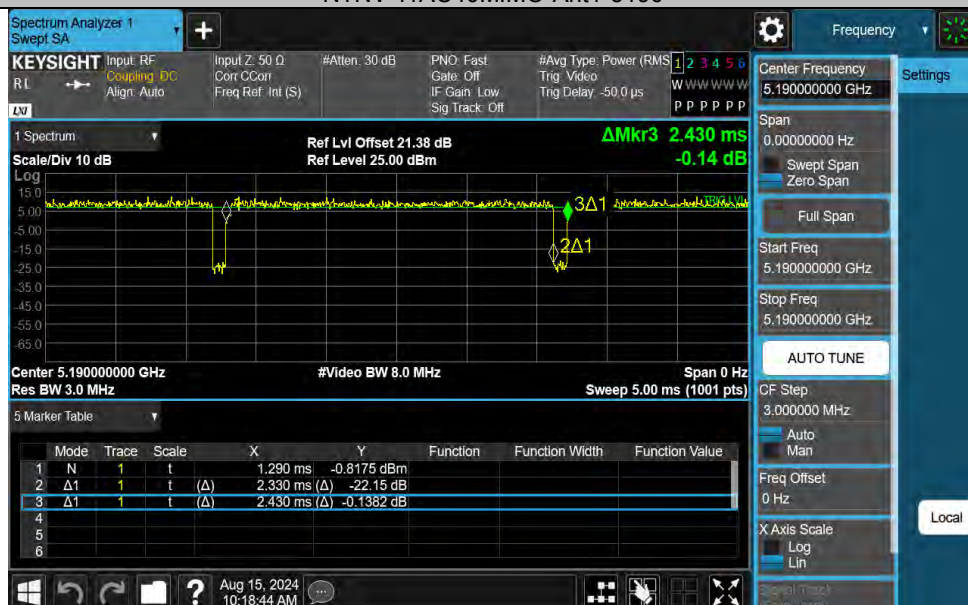
NTNV-11AC20MIMO-Ant1-5825



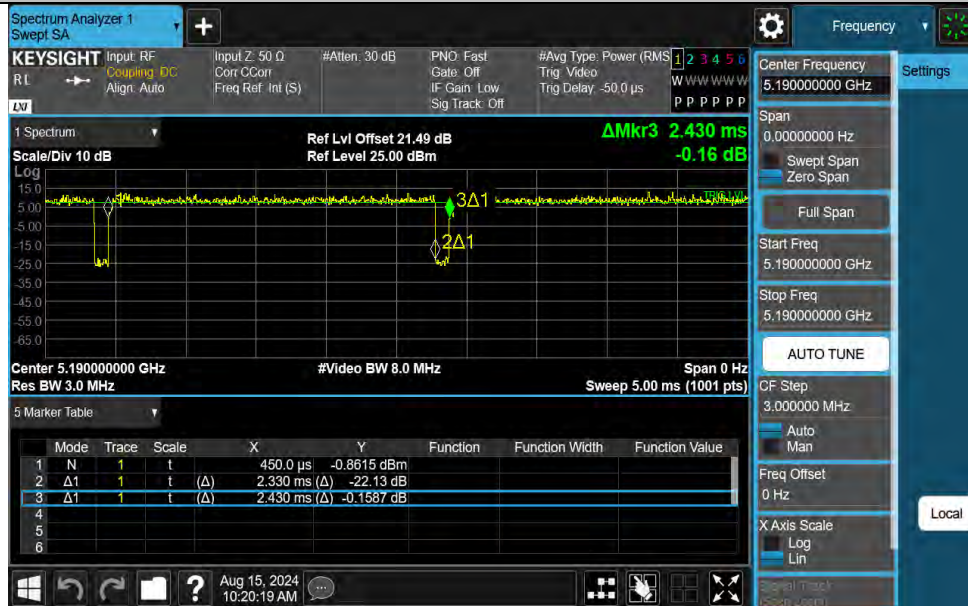
NTNV-11AC20MIMO-Ant2-5825



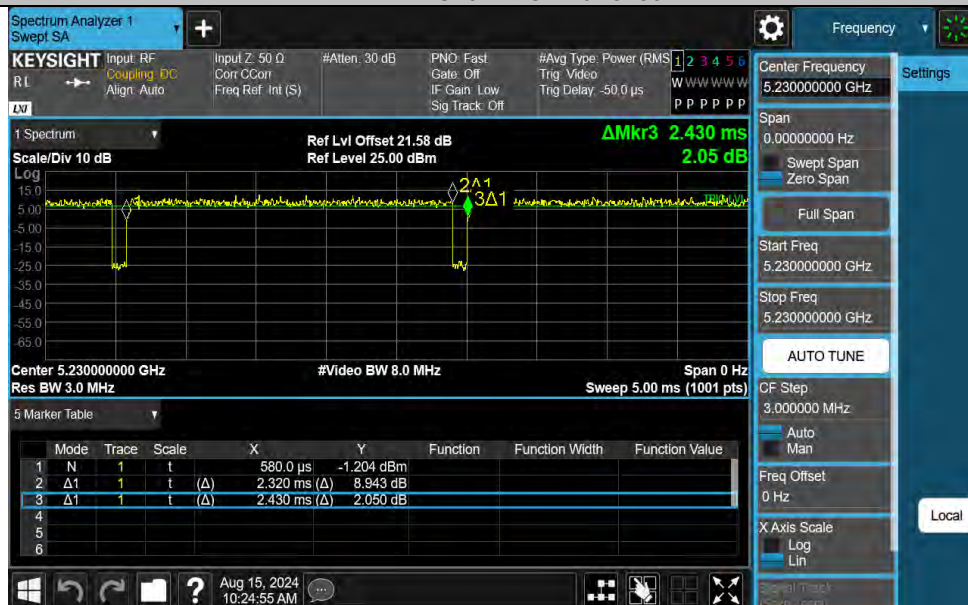
NTNV-11AC40MIMO-Ant1-5190



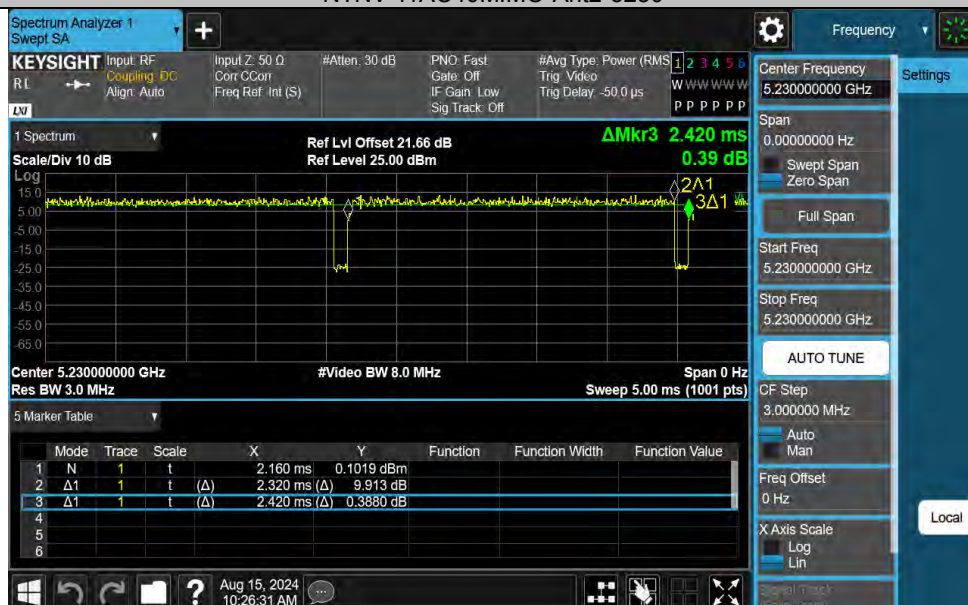
NTNV-11AC40MIMO-Ant2-5190



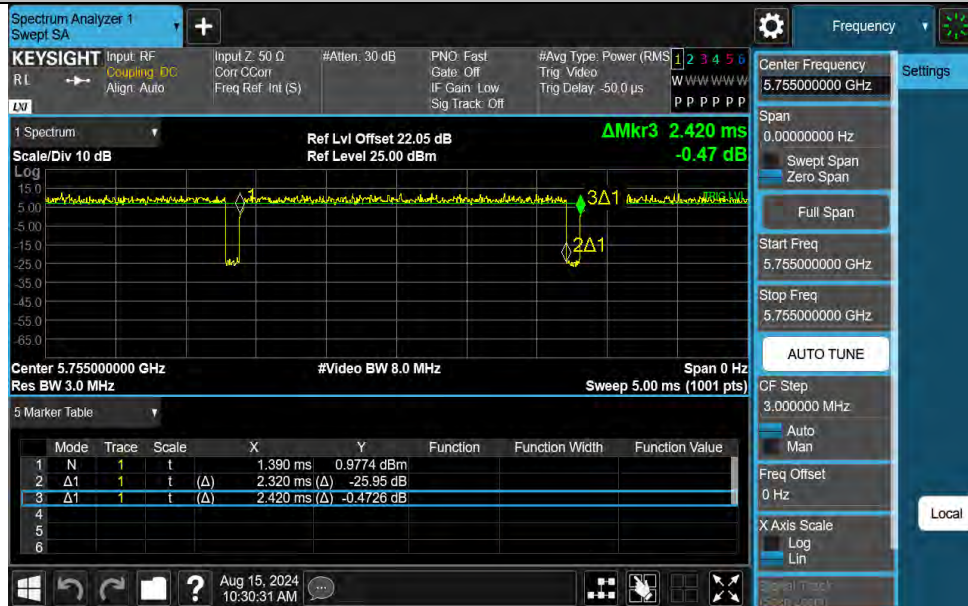
NTNV-11AC40MIMO-Ant1-5230



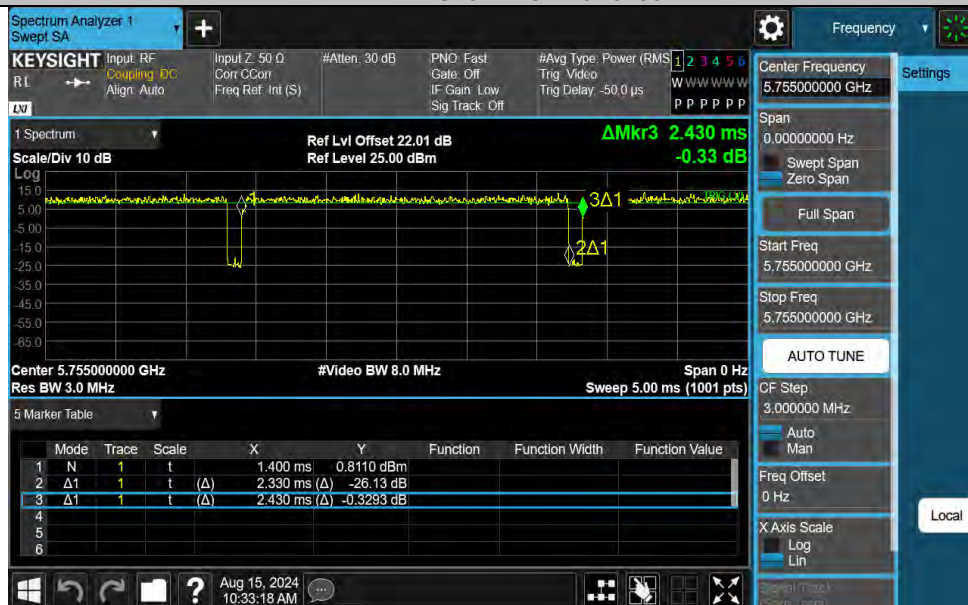
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NTNV-11AC40MIMO-Ant1-5755



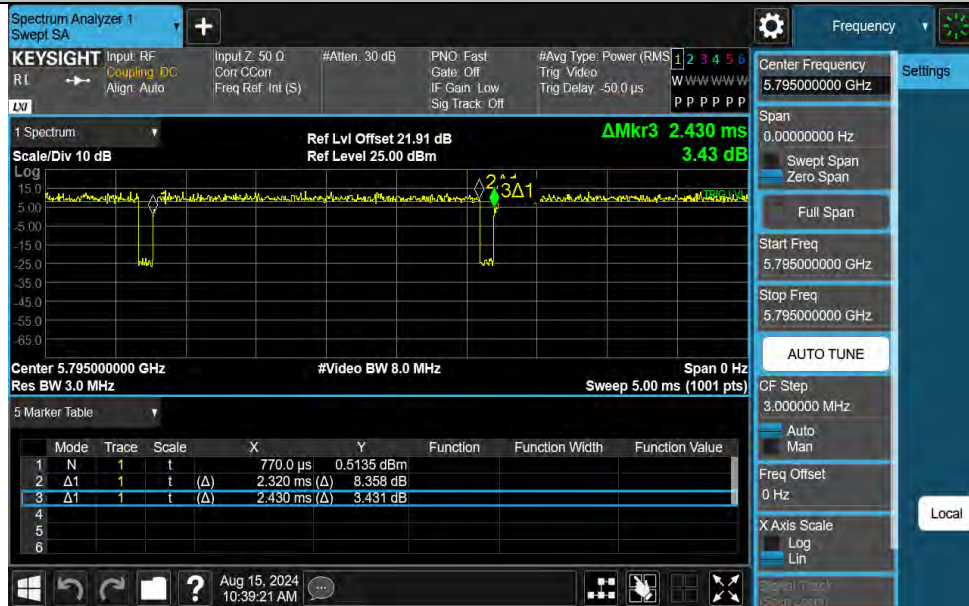
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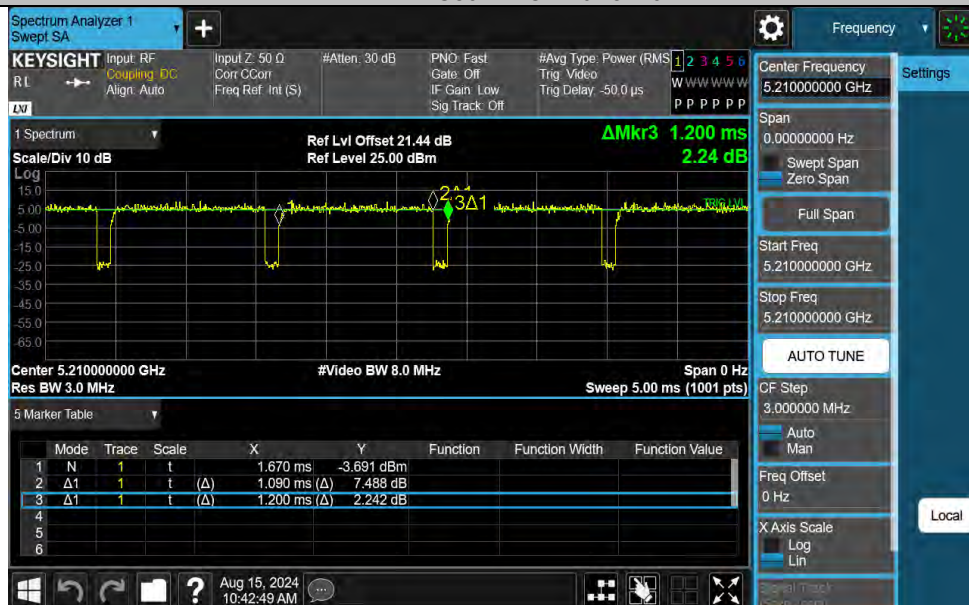
NTNV-11AC40MIMO-Ant1-5795



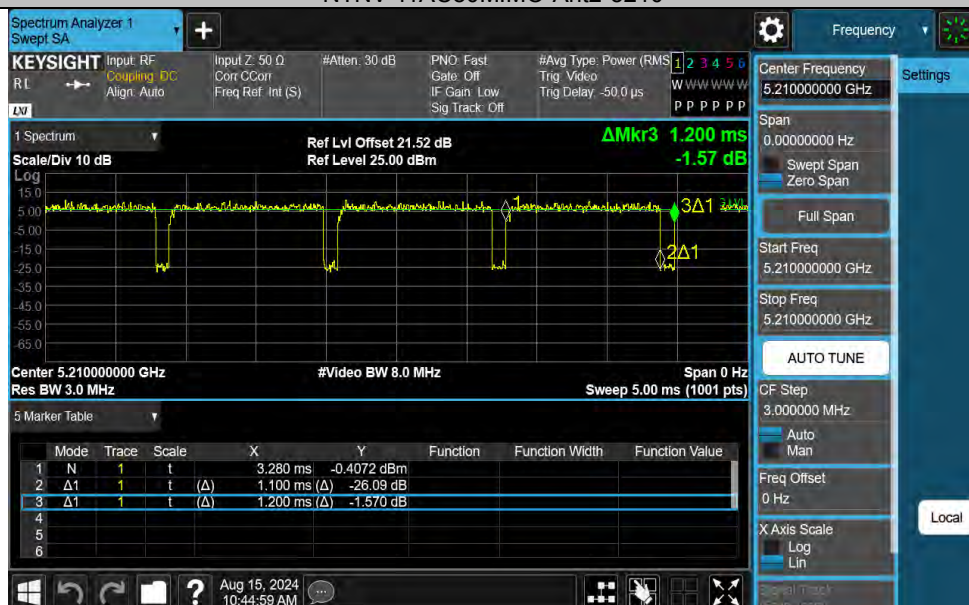
NTNV-11AC40MIMO-Ant2-5795



NTNV-11AC80MIMO-Ant1-5210



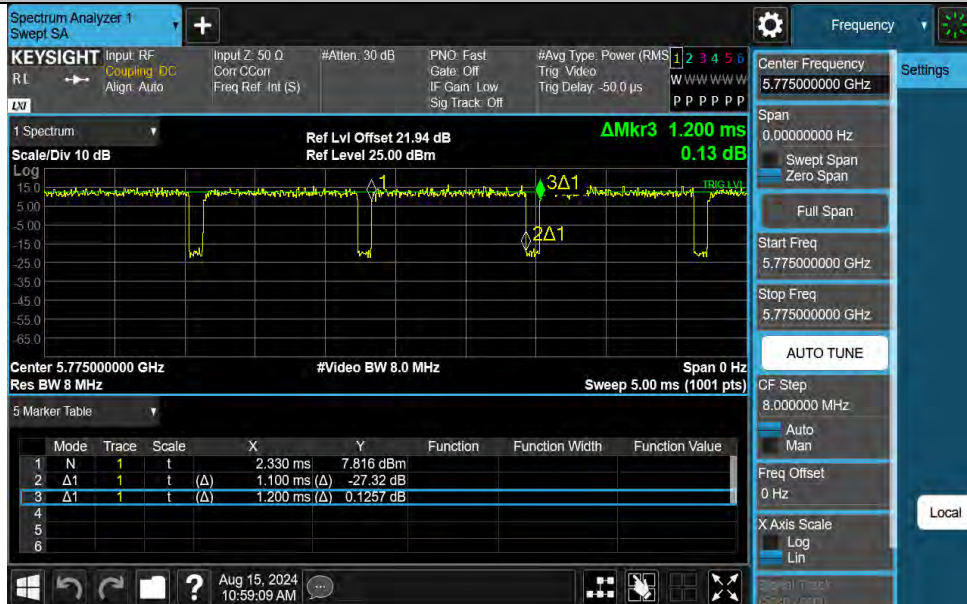
NTNV-11AC80MIMO-Ant2-5210



NTNV-11AC80MIMO-Ant1-5775



NTNV-11AC80MIMO-Ant2-5775



Appendix C: Maximum conducted output power

Test Result Channel Power

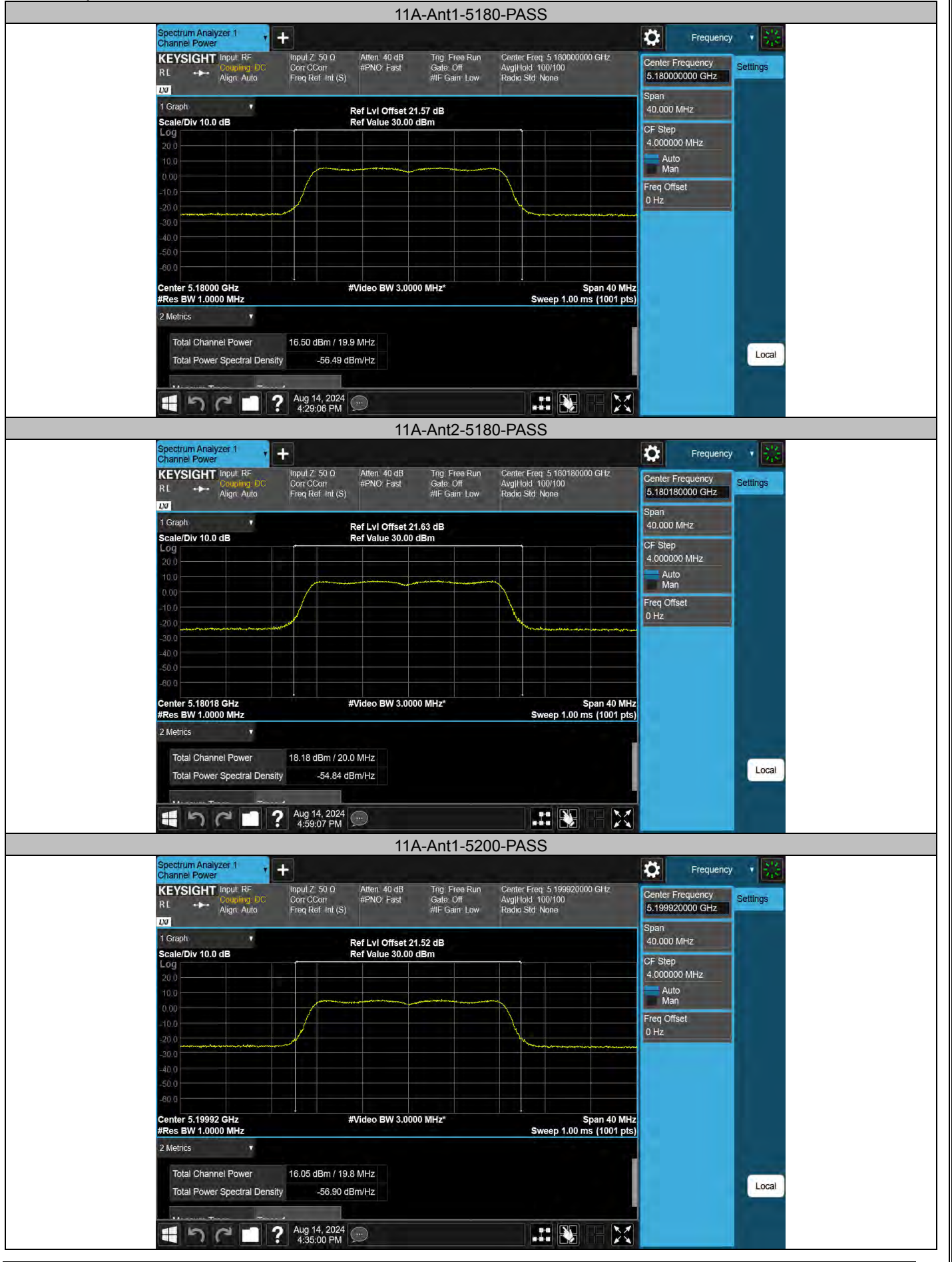
Test Mode	Antenna	Frequency[M Hz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	16.36	96.88	0.14	16.50	≤23.98	PASS
11A	Ant2	5180	18.04	96.88	0.14	18.18	≤23.98	PASS
11A	Ant1	5200	15.91	96.88	0.14	16.05	≤23.98	PASS
11A	Ant2	5200	18.14	96.88	0.14	18.28	≤23.98	PASS
11A	Ant1	5240	15.75	96.57	0.15	15.90	≤23.98	PASS
11A	Ant2	5240	17.99	96.88	0.14	18.13	≤23.98	PASS
11A	Ant1	5745	16.79	96.88	0.14	16.93	≤30.00	PASS
11A	Ant2	5745	16.44	96.88	0.14	16.58	≤30.00	PASS
11A	Ant1	5785	16.39	96.58	0.15	16.54	≤30.00	PASS
11A	Ant2	5785	16.21	96.88	0.14	16.35	≤30.00	PASS
11A	Ant1	5825	16.32	96.58	0.15	16.47	≤30.00	PASS
11A	Ant2	5825	16.06	96.88	0.14	16.20	≤30.00	PASS
11N20MIMO	Ant1	5180	14.59	97.95	0.09	14.68	≤23.98	PASS
11N20MIMO	Ant2	5180	16.06	97.95	0.09	16.15	≤23.98	PASS
11N20MIMO	total	5180	---	---	---	18.49	≤23.98	PASS
11N20MIMO	Ant1	5200	14.09	97.74	0.10	14.19	≤23.98	PASS
11N20MIMO	Ant2	5200	16.24	97.95	0.09	16.33	≤23.98	PASS
11N20MIMO	total	5200	---	---	---	18.40	≤23.98	PASS
11N20MIMO	Ant1	5240	13.92	97.95	0.09	14.01	≤23.98	PASS
11N20MIMO	Ant2	5240	16.16	97.95	0.09	16.25	≤23.98	PASS
11N20MIMO	total	5240	---	---	---	18.28	≤23.98	PASS
11N20MIMO	Ant1	5745	15.06	97.95	0.09	15.15	≤30.00	PASS
11N20MIMO	Ant2	5745	14.50	97.75	0.10	14.60	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	17.89	≤30.00	PASS
11N20MIMO	Ant1	5785	14.63	97.74	0.10	14.73	≤30.00	PASS
11N20MIMO	Ant2	5785	14.20	97.95	0.09	14.29	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	17.53	≤30.00	PASS
11N20MIMO	Ant1	5825	14.64	97.95	0.09	14.73	≤30.00	PASS
11N20MIMO	Ant2	5825	14.22	97.95	0.09	14.31	≤30.00	PASS
11N20MIMO	total	5825	---	---	---	17.54	≤30.00	PASS
11N40MIMO	Ant1	5190	14.18	95.87	0.18	14.36	≤23.98	PASS
11N40MIMO	Ant2	5190	13.84	95.47	0.20	14.04	≤23.98	PASS
11N40MIMO	total	5190	---	---	---	17.21	≤23.98	PASS
11N40MIMO	Ant1	5230	13.93	95.87	0.18	14.11	≤23.98	PASS
11N40MIMO	Ant2	5230	14.98	95.87	0.18	15.16	≤23.98	PASS
11N40MIMO	total	5230	---	---	---	17.68	≤23.98	PASS
11N40MIMO	Ant1	5755	14.63	95.87	0.18	14.81	≤30.00	PASS
11N40MIMO	Ant2	5755	15.74	95.87	0.18	15.92	≤30.00	PASS
11N40MIMO	total	5755	---	---	---	18.41	≤30.00	PASS
11N40MIMO	Ant1	5795	14.41	95.87	0.18	14.59	≤30.00	PASS
11N40MIMO	Ant2	5795	15.63	95.85	0.18	15.81	≤30.00	PASS
11N40MIMO	total	5795	---	---	---	18.25	≤30.00	PASS
11AC20MIMO	Ant1	5180	14.40	97.95	0.09	14.49	≤23.98	PASS
11AC20MIMO	Ant2	5180	13.52	97.95	0.09	13.61	≤23.98	PASS
11AC20MIMO	total	5180	---	---	---	17.08	≤23.98	PASS
11AC20MIMO	Ant1	5200	14.15	97.95	0.09	14.24	≤23.98	PASS
11AC20MIMO	Ant2	5200	14.05	97.95	0.09	14.14	≤23.98	PASS

O								
11AC20MIM O	total	5200	---	---	---	17.20	≤23.98	PASS
11AC20MIM O	Ant1	5240	13.99	97.75	0.10	14.09	≤23.98	PASS
11AC20MIM O	Ant2	5240	15.26	97.75	0.10	15.36	≤23.98	PASS
11AC20MIM O	total	5240	---	---	---	17.78	≤23.98	PASS
11AC20MIM O	Ant1	5745	14.88	97.95	0.09	14.97	≤30.00	PASS
11AC20MIM O	Ant2	5745	16.05	97.95	0.09	16.14	≤30.00	PASS
11AC20MIM O	total	5745	---	---	---	18.60	≤30.00	PASS
11AC20MIM O	Ant1	5785	14.53	97.95	0.09	14.62	≤30.00	PASS
11AC20MIM O	Ant2	5785	15.79	97.95	0.09	15.88	≤30.00	PASS
11AC20MIM O	total	5785	---	---	---	18.31	≤30.00	PASS
11AC20MIM O	Ant1	5825	14.57	97.75	0.10	14.67	≤30.00	PASS
11AC20MIM O	Ant2	5825	15.71	97.95	0.09	15.80	≤30.00	PASS
11AC20MIM O	total	5825	---	---	---	18.28	≤30.00	PASS
11AC40MIM O	Ant1	5190	14.43	95.88	0.18	14.61	≤23.98	PASS
11AC40MIM O	Ant2	5190	14.20	95.88	0.18	14.38	≤23.98	PASS
11AC40MIM O	total	5190	---	---	---	17.51	≤23.98	PASS
11AC40MIM O	Ant1	5230	14.13	95.47	0.20	14.33	≤23.98	PASS
11AC40MIM O	Ant2	5230	15.37	95.87	0.18	15.55	≤23.98	PASS
11AC40MIM O	total	5230	---	---	---	17.99	≤23.98	PASS
11AC40MIM O	Ant1	5755	14.87	95.87	0.18	15.05	≤30.00	PASS
11AC40MIM O	Ant2	5755	15.83	95.88	0.18	16.01	≤30.00	PASS
11AC40MIM O	total	5755	---	---	---	18.57	≤30.00	PASS
11AC40MIM O	Ant1	5795	14.56	95.47	0.20	14.76	≤30.00	PASS
11AC40MIM O	Ant2	5795	15.74	95.47	0.20	15.94	≤30.00	PASS
11AC40MIM O	total	5795	---	---	---	18.40	≤30.00	PASS
11AC80MIM O	Ant1	5210	14.30	90.83	0.42	14.72	≤23.98	PASS
11AC80MIM O	Ant2	5210	15.85	91.67	0.38	16.23	≤23.98	PASS
11AC80MIM O	total	5210	---	---	---	18.55	≤23.98	PASS
11AC80MIM O	Ant1	5775	14.99	91.60	0.38	15.37	≤30.00	PASS

11AC80MIM O	Ant2	5775	16.11	91.67	0.38	16.49	≤30.00	PASS
11AC80MIM O	total	5775	---	---	---	18.98	≤30.00	PASS

Note : The Duty Cycle Factor is compensated in the graph.

Test Graphs Channel Power



11A-Ant2-5200-PASS



11A-Ant1-5240-PASS



11A-Ant2-5240-PASS



11A-Ant1-5745-PASS



11A-Ant2-5745-PASS



11A-Ant1-5785-PASS

