



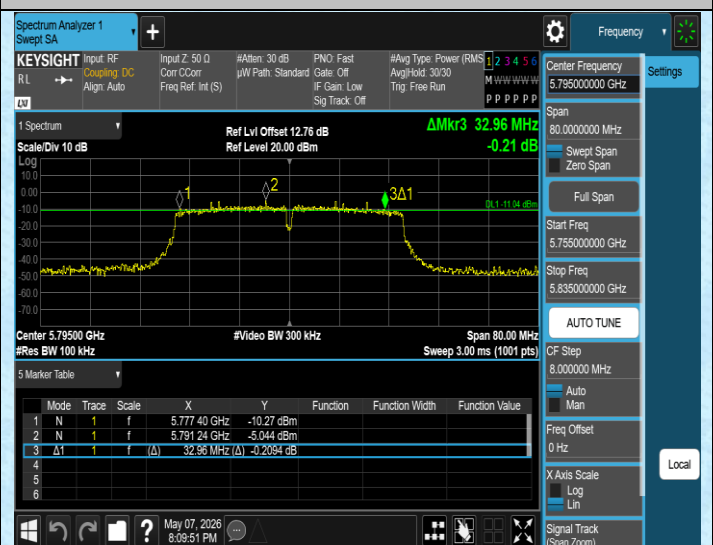
11AC40MIMO-Ant1-5755-PASS



11AC40MIMO-Ant2-5755-PASS



11AC40MIMO-Ant1-5795-PASS



11AC40MIMO-Ant2-5795-PASS



11AC80MIMO-Ant1-5775-PASS



11AC80MIMO-Ant2-5775-PASS

AppendixB: Duty Cycle

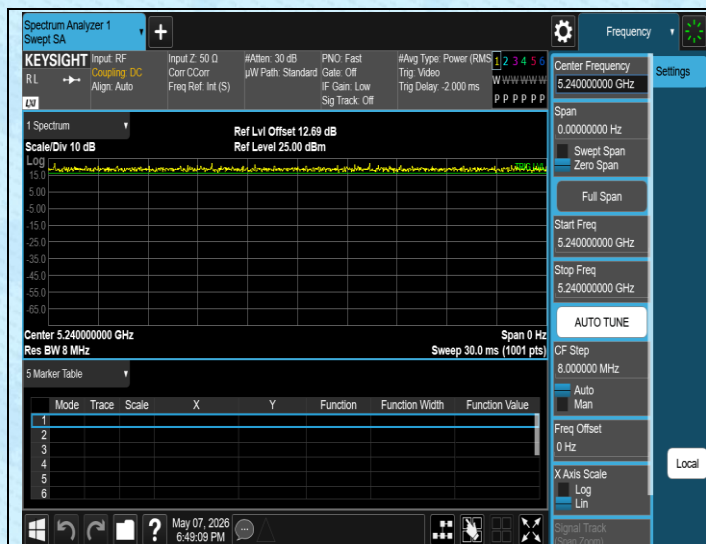
Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AC20SISO	Ant1	5180	MCS0	30.00	30.00	100.00
11AC20SISO	Ant2	5180	MCS0	30.00	30.00	100.00
11AC20SISO	Ant1	5200	MCS0	30.00	30.00	100.00
11AC20SISO	Ant2	5200	MCS0	30.00	30.00	100.00
11AC20SISO	Ant1	5240	MCS0	30.00	30.00	100.00
11AC20SISO	Ant2	5240	MCS0	30.00	30.00	100.00
11AC20SISO	Ant1	5745	MCS0	30.00	30.00	100.00
11AC20SISO	Ant2	5745	MCS0	30.00	30.00	100.00
11AC20SISO	Ant1	5785	MCS0	30.00	30.00	100.00
11AC20SISO	Ant2	5785	MCS0	30.00	30.00	100.00
11AC20SISO	Ant1	5805	MCS0	30.00	30.00	100.00
11AC20SISO	Ant2	5805	MCS0	30.00	30.00	100.00
11AC40SISO	Ant1	5190	MCS0	30.00	30.00	100.00
11AC40SISO	Ant2	5190	MCS0	30.00	30.00	100.00
11AC40SISO	Ant1	5230	MCS0	30.00	30.00	100.00
11AC40SISO	Ant2	5230	MCS0	30.00	30.00	100.00
11AC40SISO	Ant1	5755	MCS0	30.00	30.00	100.00
11AC40SISO	Ant2	5755	MCS0	30.00	30.00	100.00
11AC40SISO	Ant1	5795	MCS0	30.00	30.00	100.00
11AC40SISO	Ant2	5795	MCS0	30.00	30.00	100.00
11AC80SISO	Ant1	5210	MCS0	30.00	30.00	100.00
11AC80SISO	Ant2	5210	MCS0	30.00	30.00	100.00
11AC80SISO	Ant1	5775	MCS0	30.00	30.00	100.00
11AC80SISO	Ant2	5775	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant1	5180	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant2	5180	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant1	5200	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant2	5200	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant1	5240	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant2	5240	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant1	5745	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant2	5745	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant1	5785	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant2	5785	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant1	5805	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant2	5805	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant1	5190	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant2	5190	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant1	5230	MCS0	30.00	30.00	100.00

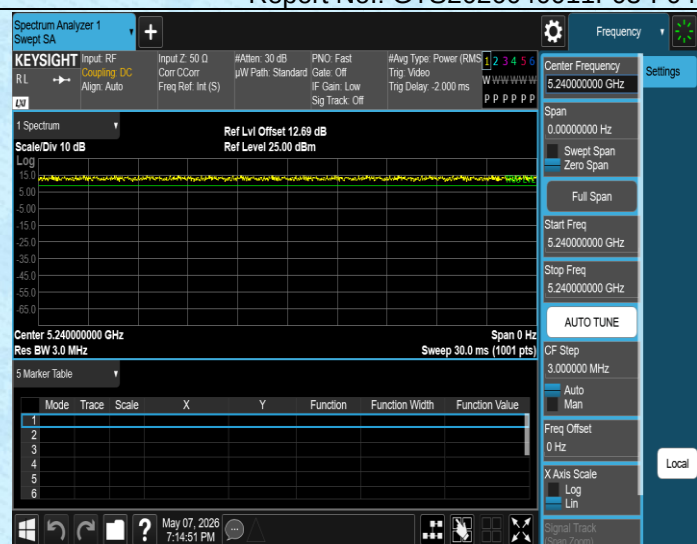
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11AC40MIMO	Ant2	5755	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant1	5795	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant2	5795	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant1	5210	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant2	5210	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant1	5775	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant2	5775	MCS0	30.00	30.00	100.00

Test Graphs

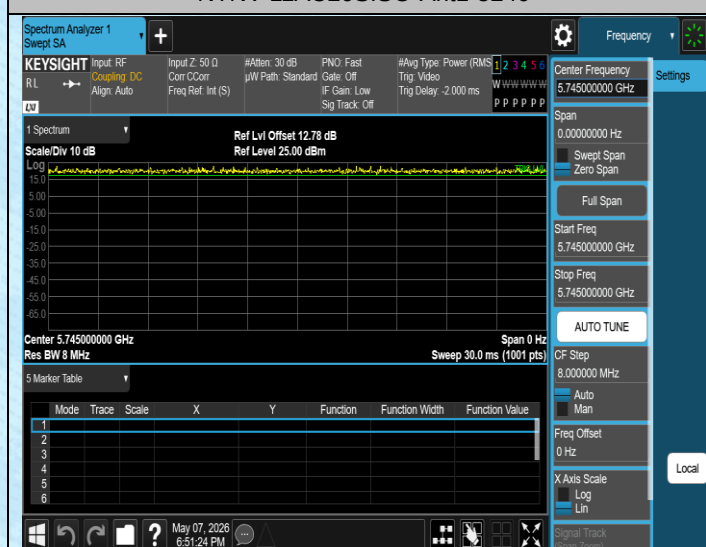




NTNV-11AC20SISO-Ant1-5240



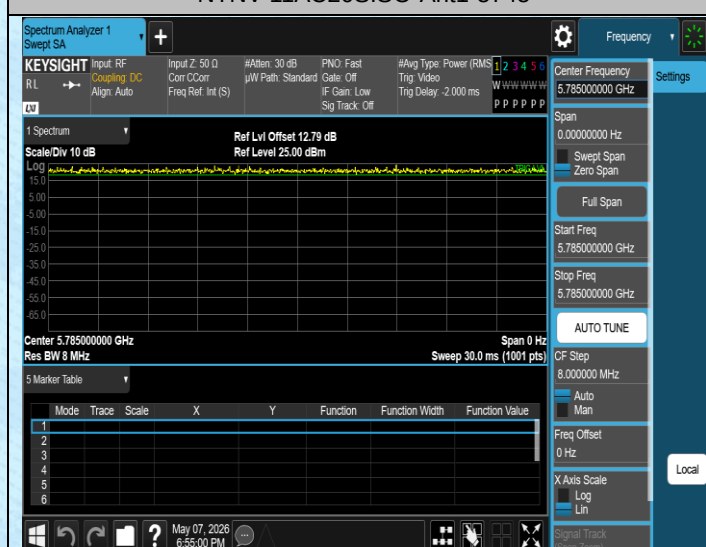
NTNV-11AC20SISO-Ant2-5240



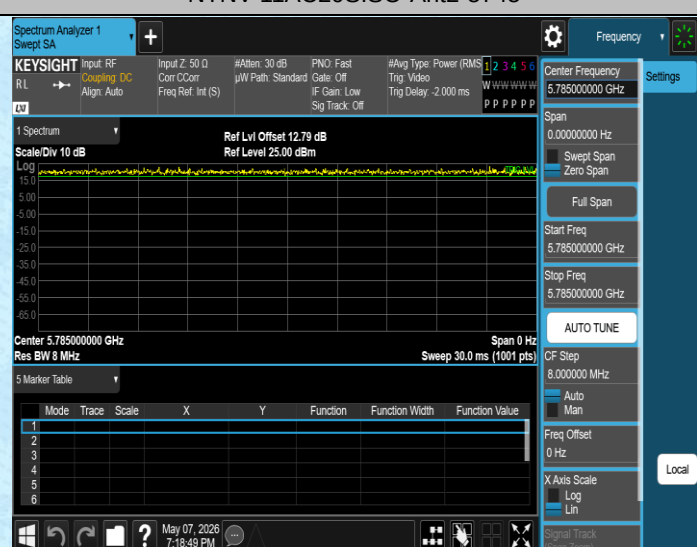
NTNV-11AC20SISO-Ant1-5745



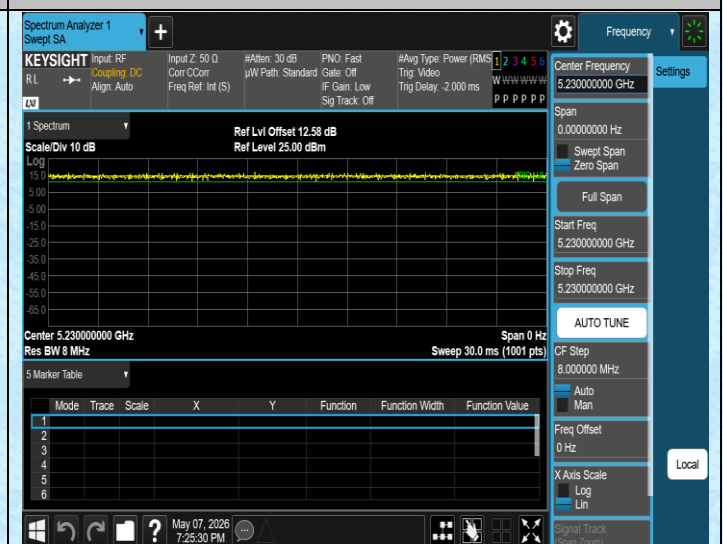
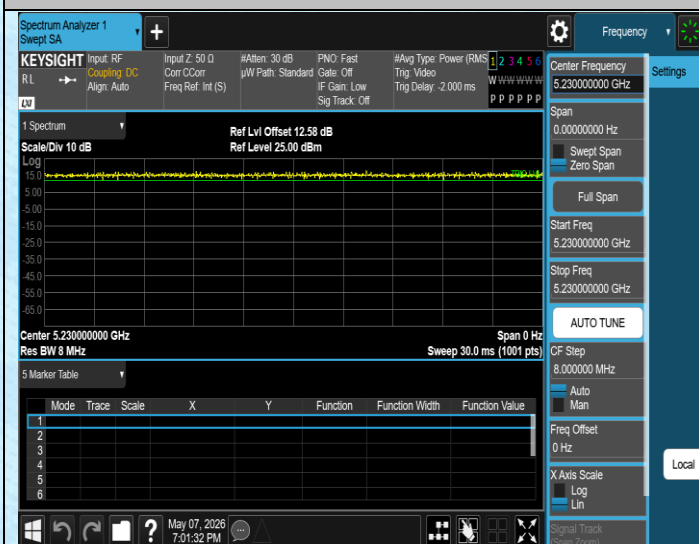
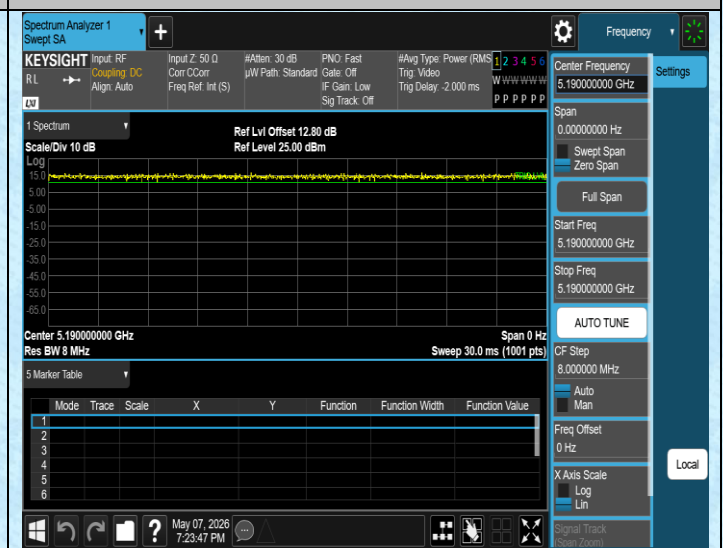
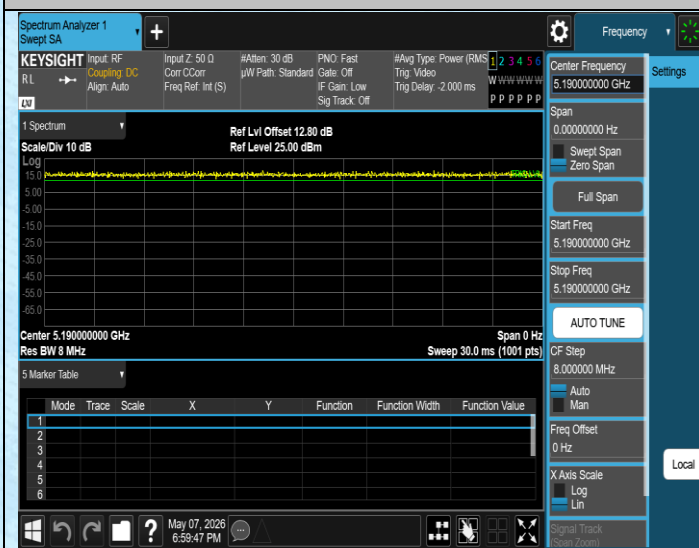
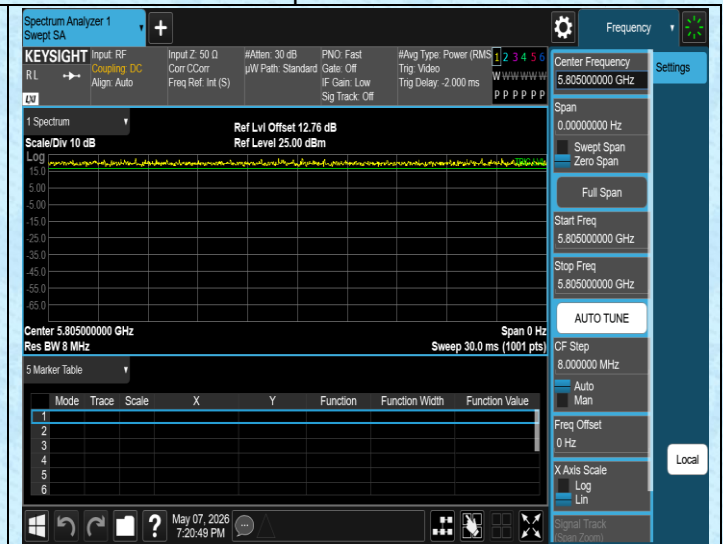
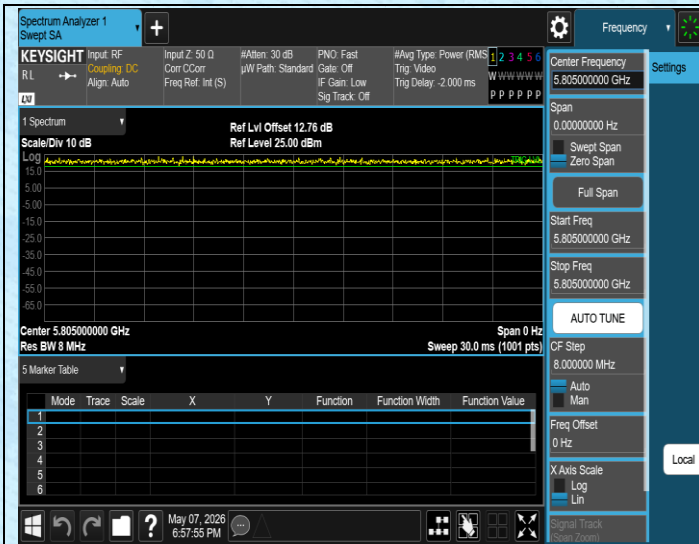
NTNV-11AC20SISO-Ant2-5745

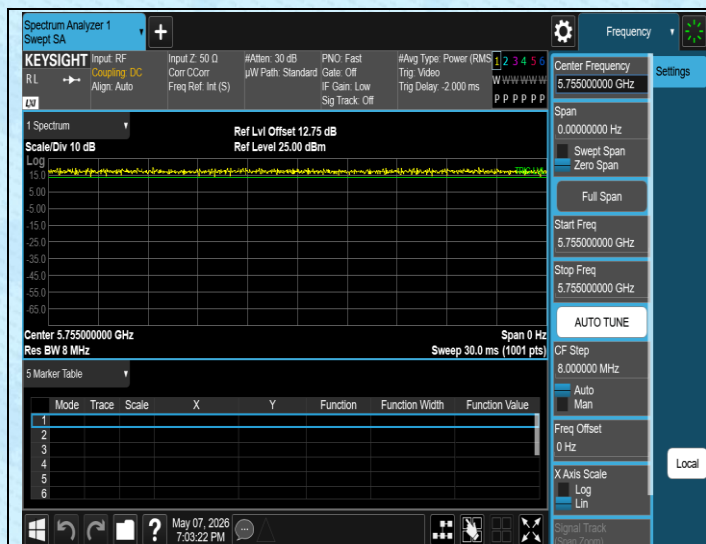


NTNV-11AC20SISO-Ant1-5785

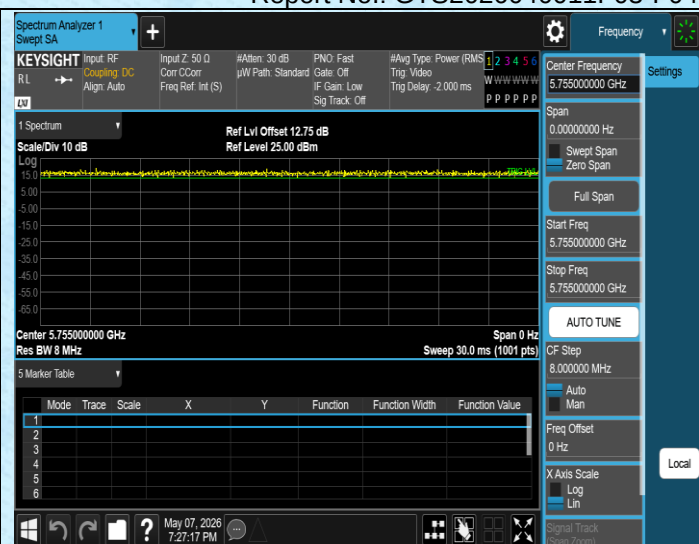


NTNV-11AC20SISO-Ant2-5785

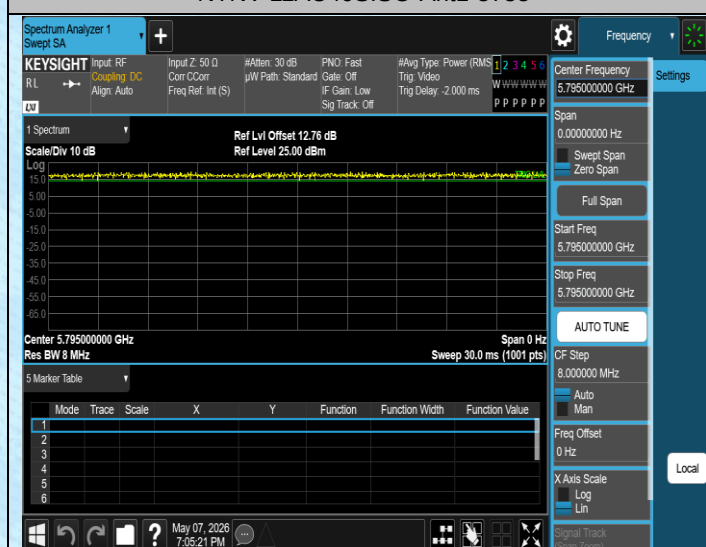




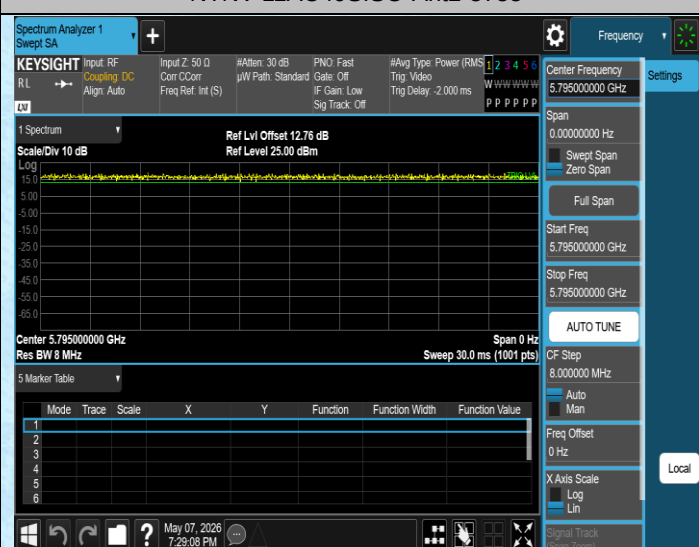
NTNV-11AC40SISO-Ant1-5755



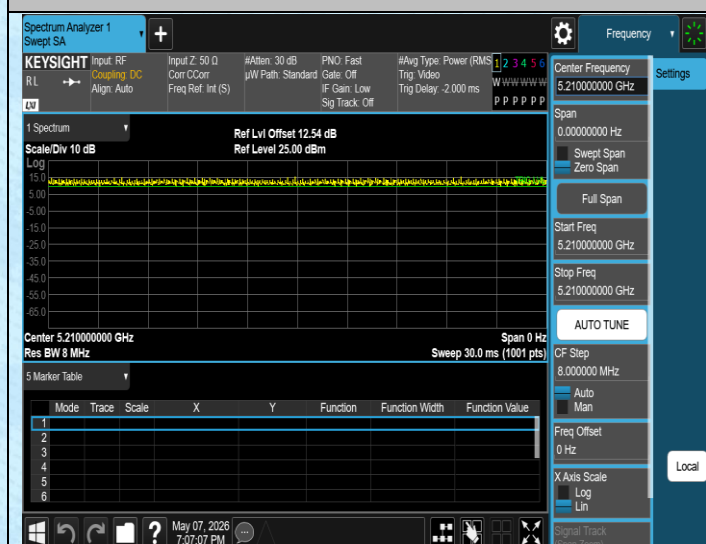
NTNV-11AC40SISO-Ant2-5755



NTNV-11AC40SISO-Ant1-5795



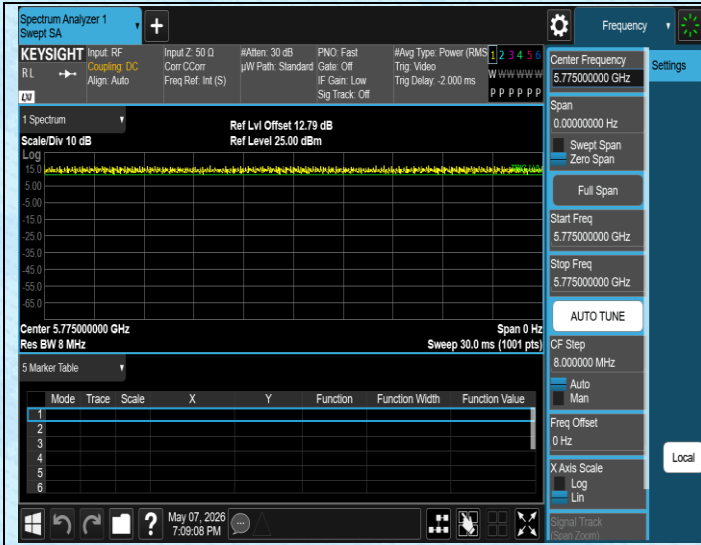
NTNV-11AC40SISO-Ant2-5795



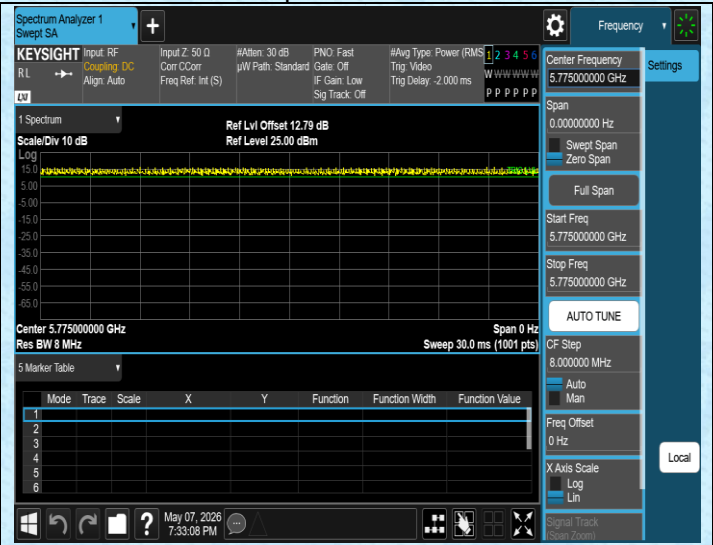
NTNV-11AC80SISO-Ant1-5210



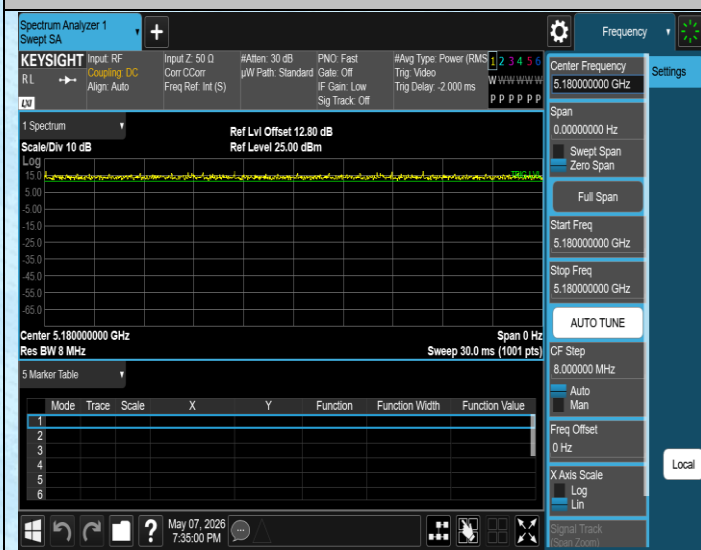
NTNV-11AC80SISO-Ant2-5210



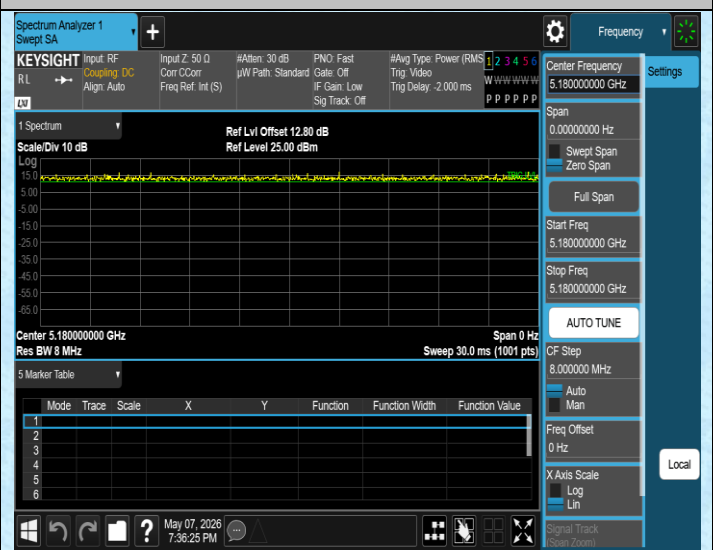
NTNV-11AC80SISO-Ant1-5775



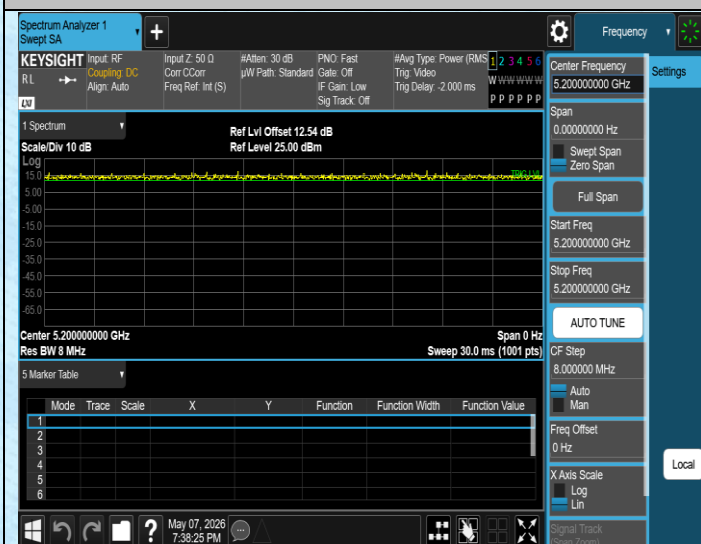
NTNV-11AC80SISO-Ant2-5775



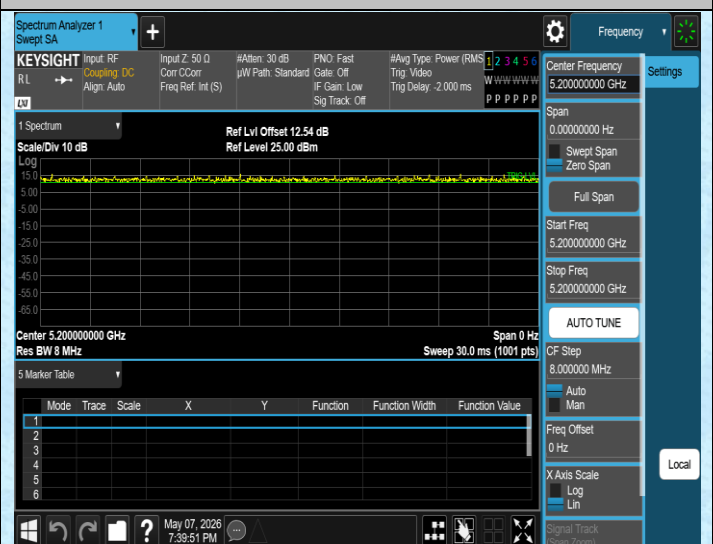
NTNV-11AC20MIMO-Ant1-5180



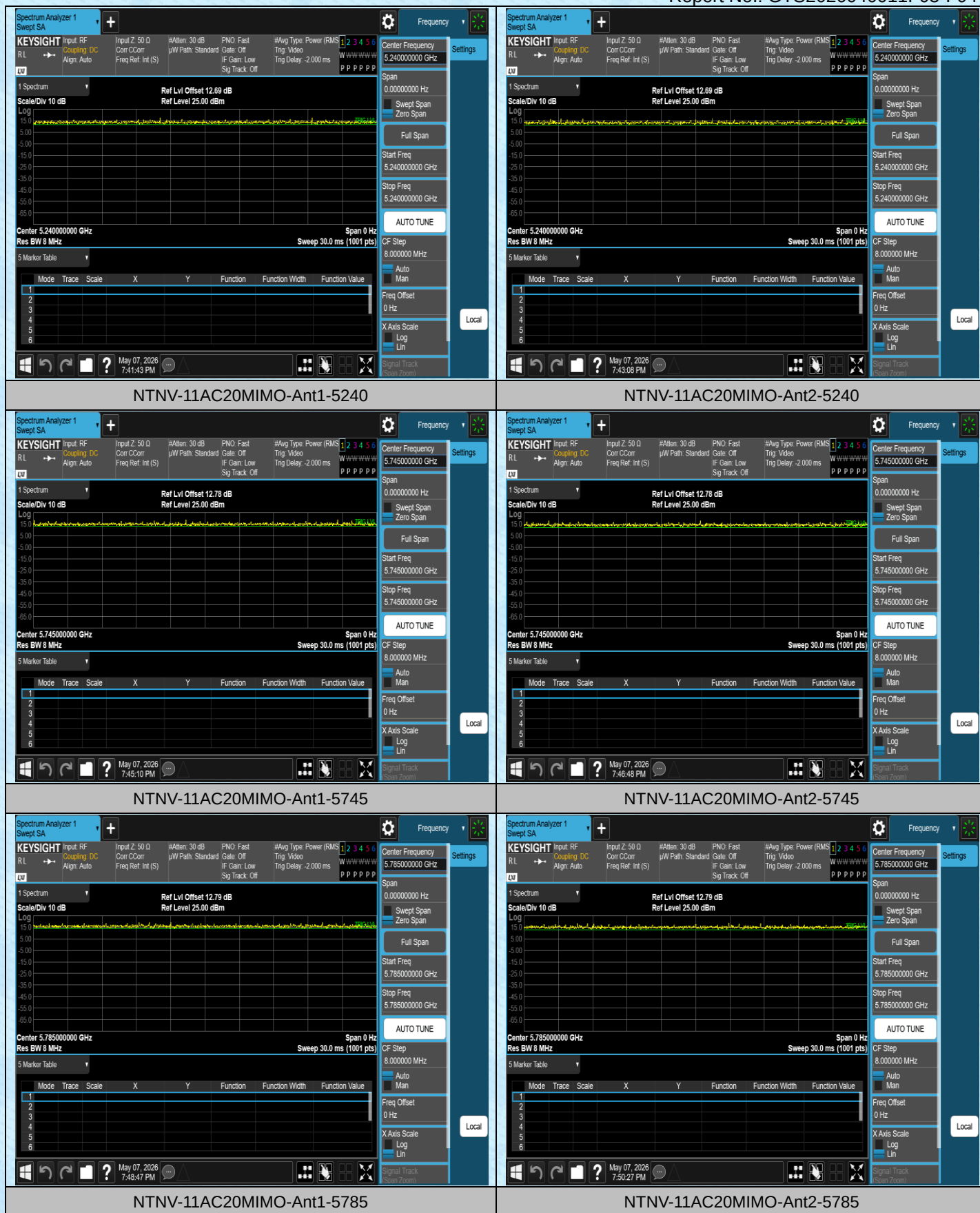
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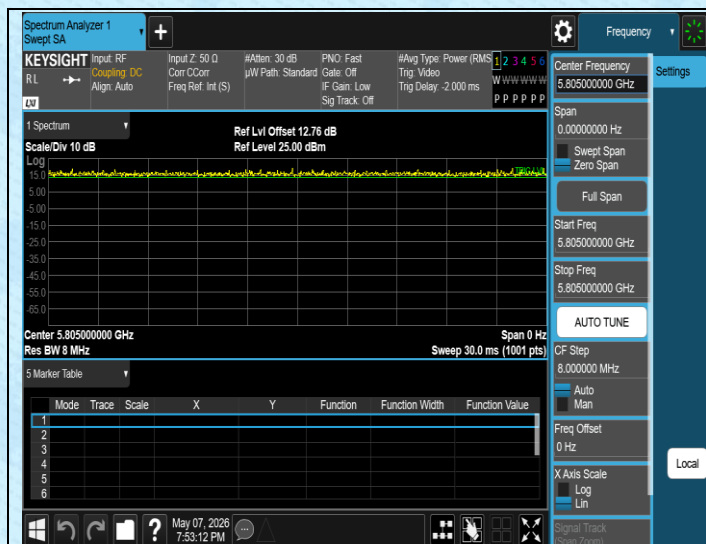


NTNV-11AC20MIMO-Ant1-5200

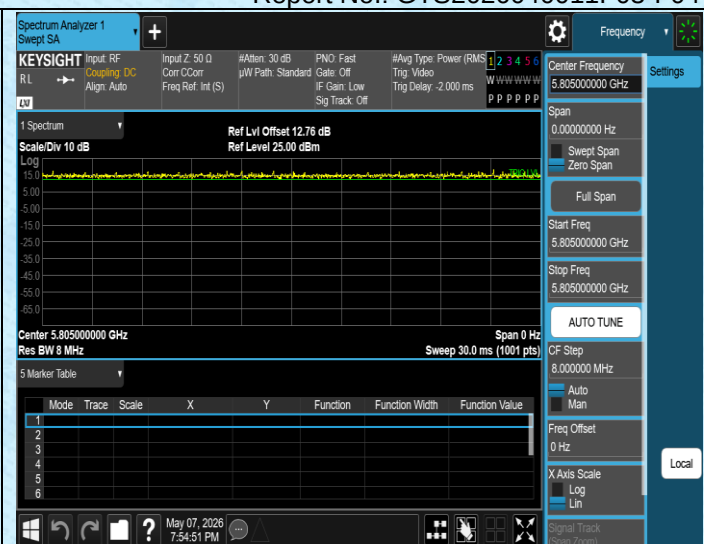


NTNV-11AC20MIMO-Ant2-5200

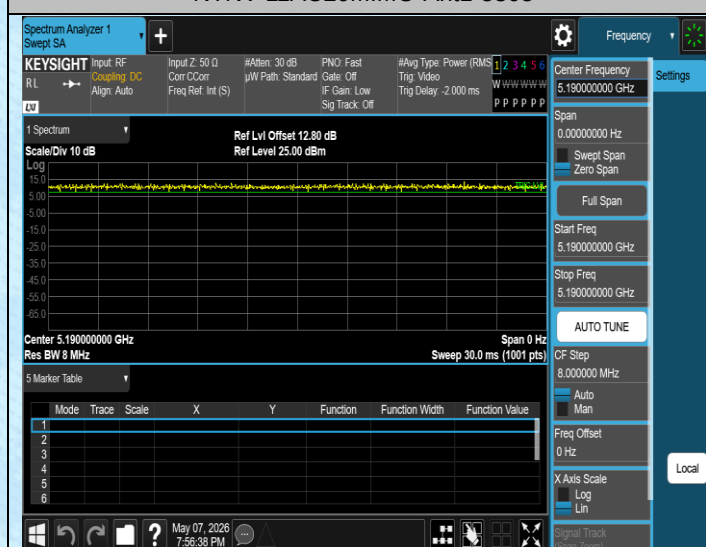




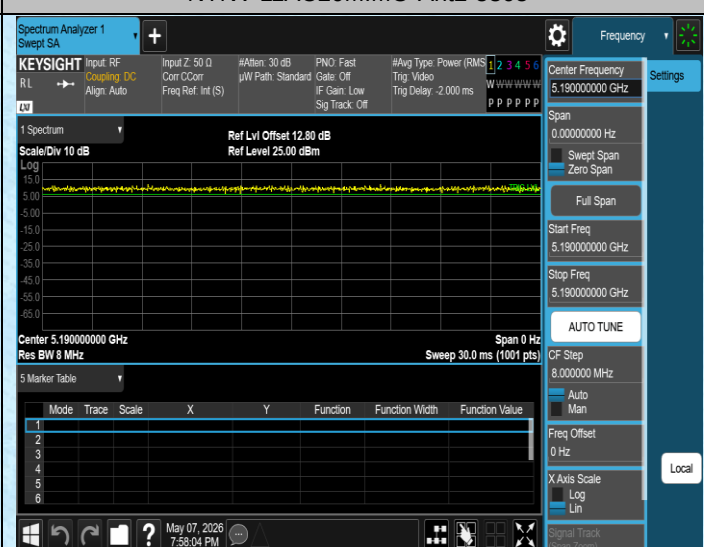
NTNV-11AC20MIMO-Ant1-5805



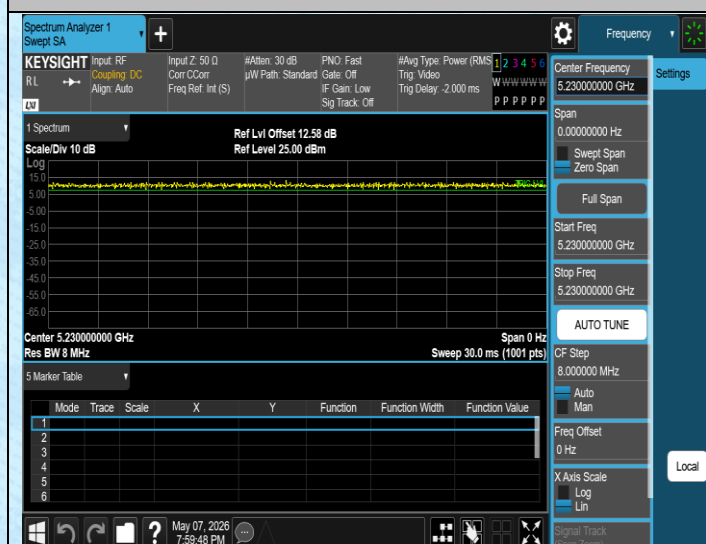
NTNV-11AC20MIMO-Ant2-5805



NTNV-11AC40MIMO-Ant1-5190



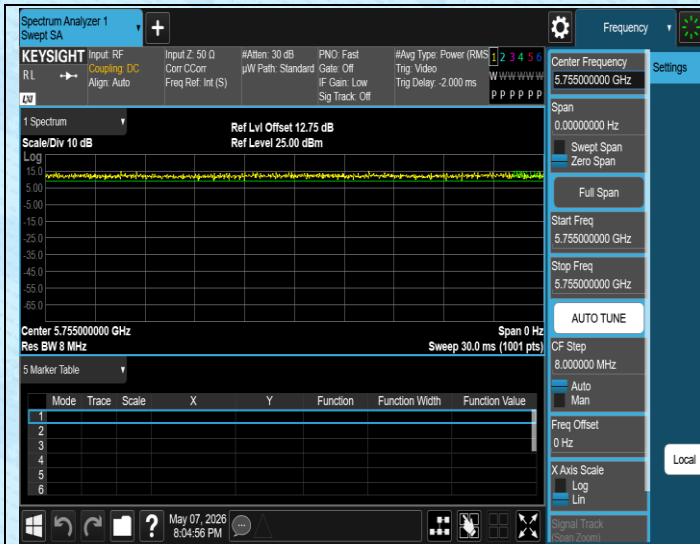
NTNV-11AC40MIMO-Ant2-5190



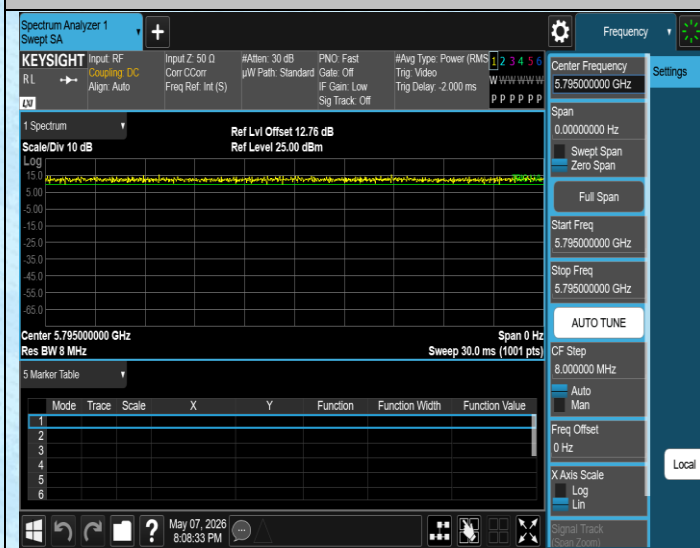
NTNV-11AC40MIMO-Ant1-5230



NTNV-11AC40MIMO-Ant2-5230



NTNV-11AC40MIMO-Ant1-5755



NTNV-11AC40MIMO-Ant2-5755



NTNV-11AC40MIMO-Ant1-5795



NTNV-11AC40MIMO-Ant2-5795

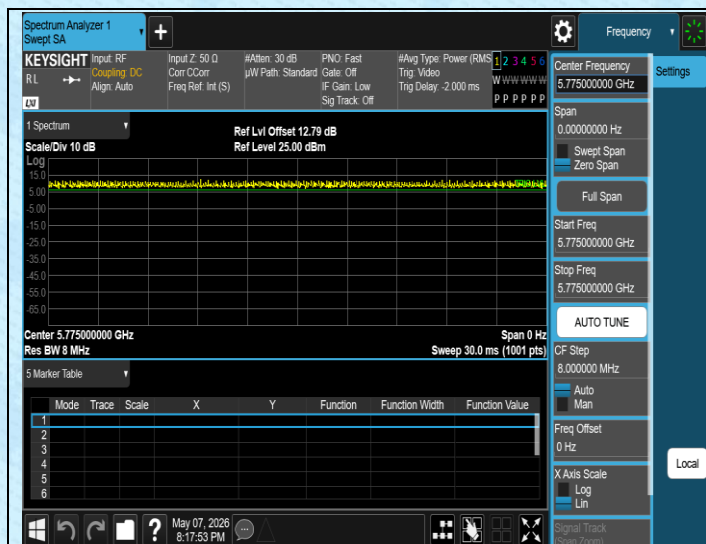


NTNV-11AC80MIMO-Ant1-5210

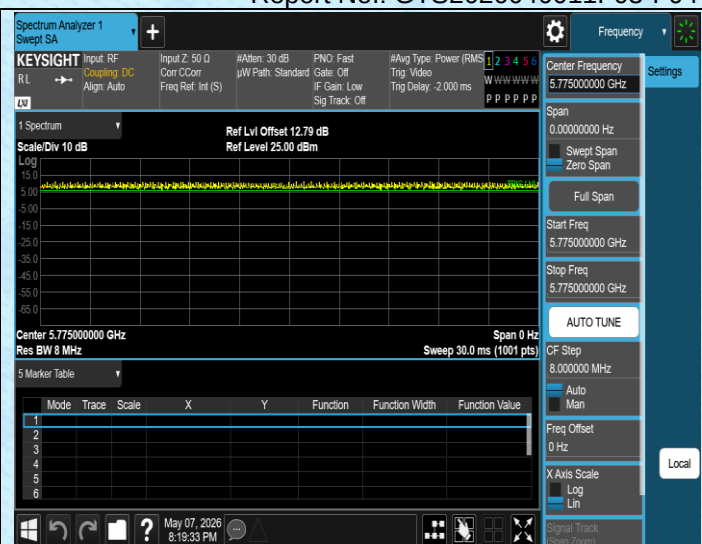


NTNV-11AC80MIMO-Ant2-5210





NTNV-11AC80MIMO-Ant1-5775



NTNV-11AC80MIMO-Ant2-5775

AppendixC: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11AC20SISO	Ant1	5180	MCS0	16.16	100.00	0.00	16.16	≤23.98	2.32	18.48	---	PASS
11AC20SISO	Ant2	5180	MCS0	15.54	100.00	0.00	15.54	≤23.98	2.46	18.00	---	PASS
11AC20SISO	Ant1	5200	MCS0	16.54	100.00	0.00	16.54	≤23.98	2.32	18.86	---	PASS
11AC20SISO	Ant2	5200	MCS0	15.10	100.00	0.00	15.10	≤23.98	2.46	17.56	---	PASS
11AC20SISO	Ant1	5240	MCS0	15.93	100.00	0.00	15.93	≤23.98	2.32	18.25	---	PASS
11AC20SISO	Ant2	5240	MCS0	15.70	100.00	0.00	15.70	≤23.98	2.46	18.16	---	PASS
11AC20SISO	Ant1	5745	MCS0	17.54	100.00	0.00	17.54	≤30.00	2.46	20.00	---	PASS
11AC20SISO	Ant2	5745	MCS0	16.67	100.00	0.00	16.67	≤30.00	2.40	19.07	---	PASS
11AC20SISO	Ant1	5785	MCS0	18.18	100.00	0.00	18.18	≤30.00	2.46	20.64	---	PASS
11AC20SISO	Ant2	5785	MCS0	17.44	100.00	0.00	17.44	≤30.00	2.40	19.84	---	PASS
11AC20SISO	Ant1	5805	MCS0	17.80	100.00	0.00	17.80	≤30.00	2.46	20.26	---	PASS
11AC20SISO	Ant2	5805	MCS0	16.76	100.00	0.00	16.76	≤30.00	2.40	19.16	---	PASS
11AC40SISO	Ant1	5190	MCS0	16.05	100.00	0.00	16.05	≤23.98	2.32	18.37	---	PASS
11AC40SISO	Ant2	5190	MCS0	15.19	100.00	0.00	15.19	≤23.98	2.46	17.65	---	PASS
11AC40SISO	Ant1	5230	MCS0	16.00	100.00	0.00	16.00	≤23.98	2.32	18.32	---	PASS
11AC40SISO	Ant2	5230	MCS0	15.48	100.00	0.00	15.48	≤23.98	2.46	17.94	---	PASS
11AC40SISO	Ant1	5755	MCS0	17.97	100.00	0.00	17.97	≤30.00	2.46	20.43	---	PASS
11AC40SISO	Ant2	5755	MCS0	17.17	100.00	0.00	17.17	≤30.00	2.40	19.57	---	PASS
11AC40SISO	Ant1	5795	MCS0	17.92	100.00	0.00	17.92	≤30.00	2.46	20.38	---	PASS
11AC40SISO	Ant2	5795	MCS0	17.08	100.00	0.00	17.08	≤30.00	2.40	19.48	---	PASS
11AC80SISO	Ant1	5210	MCS0	15.84	100.00	0.00	15.84	≤23.98	2.32	18.16	---	PASS
11AC80SISO	Ant2	5210	MCS0	15.07	100.00	0.00	15.07	≤23.98	2.46	17.53	---	PASS
11AC80SISO	Ant1	5775	MCS0	17.99	100.00	0.00	17.99	≤30.00	2.46	20.45	---	PASS
11AC80SISO	Ant2	5775	MCS0	17.18	100.00	0.00	17.18	≤30.00	2.40	19.58	---	PASS
11AC20MIMO	Ant1	5180	MCS0	11.37	100.00	0.00	11.37	≤23.98	2.32	13.69	---	PASS
11AC20MIMO	Ant2	5180	MCS0	10.89	100.00	0.00	10.89	≤23.98	2.46	13.35	---	PASS
11AC20MIMO	total	5180	MCS0	---	---	---	14.15	≤23.98	5.40	19.55	---	PASS
11AC20MIMO	Ant1	5200	MCS0	11.75	100.00	0.00	11.75	≤23.98	2.32	14.07	---	PASS
11AC20MIMO	Ant2	5200	MCS0	10.37	100.00	0.00	10.37	≤23.98	2.46	12.83	---	PASS
11AC20MIMO	total	5200	MCS0	---	---	---	14.12	≤23.98	5.40	19.52	---	PASS
11AC20MIMO	Ant1	5240	MCS0	11.07	100.00	0.00	11.07	≤23.98	2.32	13.39	---	PASS
11AC20MIMO	Ant2	5240	MCS0	10.94	100.00	0.00	10.94	≤23.98	2.46	13.40	---	PASS
11AC20MIMO	total	5240	MCS0	---	---	---	14.02	≤23.98	5.40	19.42	---	PASS
11AC20MIMO	Ant1	5745	MCS0	12.66	100.00	0.00	12.66	≤30.00	2.46	15.12	---	PASS
11AC20MIMO	Ant2	5745	MCS0	11.84	100.00	0.00	11.84	≤30.00	2.40	14.24	---	PASS
11AC20MIMO	total	5745	MCS0	---	---	---	15.28	≤30.00	5.44	20.72	---	PASS
11AC20MIMO	Ant1	5785	MCS0	13.47	100.00	0.00	13.47	≤30.00	2.46	15.93	---	PASS
11AC20MIMO	Ant2	5785	MCS0	12.62	100.00	0.00	12.62	≤30.00	2.40	15.02	---	PASS

11AC20MIMO	total	5785	MCS0	---	---	---	16.08	≤30.00	5.44	21.52	---	PASS
11AC20MIMO	Ant1	5805	MCS0	12.96	100.00	0.00	12.96	≤30.00	2.46	15.42	---	PASS
11AC20MIMO	Ant2	5805	MCS0	11.86	100.00	0.00	11.86	≤30.00	2.40	14.26	---	PASS
11AC20MIMO	total	5805	MCS0	---	---	---	15.46	≤30.00	5.44	20.90	---	PASS
11AC40MIMO	Ant1	5190	MCS0	11.18	100.00	0.00	11.18	≤23.98	2.32	13.50	---	PASS
11AC40MIMO	Ant2	5190	MCS0	10.34	100.00	0.00	10.34	≤23.98	2.46	12.80	---	PASS
11AC40MIMO	total	5190	MCS0	---	---	---	13.79	≤23.98	5.40	19.19	---	PASS
11AC40MIMO	Ant1	5230	MCS0	11.11	100.00	0.00	11.11	≤23.98	2.32	13.43	---	PASS
11AC40MIMO	Ant2	5230	MCS0	10.62	100.00	0.00	10.62	≤23.98	2.46	13.08	---	PASS
11AC40MIMO	total	5230	MCS0	---	---	---	13.88	≤23.98	5.40	19.28	---	PASS
11AC40MIMO	Ant1	5755	MCS0	12.94	100.00	0.00	12.94	≤30.00	2.46	15.40	---	PASS
11AC40MIMO	Ant2	5755	MCS0	12.12	100.00	0.00	12.12	≤30.00	2.40	14.52	---	PASS
11AC40MIMO	total	5755	MCS0	---	---	---	15.56	≤30.00	5.44	21.00	---	PASS
11AC40MIMO	Ant1	5795	MCS0	13.07	100.00	0.00	13.07	≤30.00	2.46	15.53	---	PASS
11AC40MIMO	Ant2	5795	MCS0	12.17	100.00	0.00	12.17	≤30.00	2.40	14.57	---	PASS
11AC40MIMO	total	5795	MCS0	---	---	---	15.65	≤30.00	5.44	21.09	---	PASS
11AC80MIMO	Ant1	5210	MCS0	11.02	100.00	0.00	11.02	≤23.98	2.32	13.34	---	PASS
11AC80MIMO	Ant2	5210	MCS0	10.26	100.00	0.00	10.26	≤23.98	2.46	12.72	---	PASS
11AC80MIMO	total	5210	MCS0	---	---	---	13.67	≤23.98	5.40	19.07	---	PASS
11AC80MIMO	Ant1	5775	MCS0	13.00	100.00	0.00	13.00	≤30.00	2.46	15.46	---	PASS
11AC80MIMO	Ant2	5775	MCS0	12.15	100.00	0.00	12.15	≤30.00	2.40	14.55	---	PASS
11AC80MIMO	total	5775	MCS0	---	---	---	15.61	≤30.00	5.44	21.05	---	PASS

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

AppendixD: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11AC20SISO	Ant1	5180	MCS0	2.62	≤11.00	PASS
11AC20SISO	Ant2	5180	MCS0	1.61	≤11.00	PASS
11AC20SISO	Ant1	5200	MCS0	2.80	≤11.00	PASS
11AC20SISO	Ant2	5200	MCS0	0.96	≤11.00	PASS
11AC20SISO	Ant1	5240	MCS0	2.41	≤11.00	PASS
11AC20SISO	Ant2	5240	MCS0	1.89	≤11.00	PASS
11AC20SISO	Ant1	5745	MCS0	1.09	≤30.00	PASS
11AC20SISO	Ant2	5745	MCS0	0.08	≤30.00	PASS
11AC20SISO	Ant1	5785	MCS0	1.67	≤30.00	PASS
11AC20SISO	Ant2	5785	MCS0	1.05	≤30.00	PASS
11AC20SISO	Ant1	5805	MCS0	1.40	≤30.00	PASS
11AC20SISO	Ant2	5805	MCS0	0.49	≤30.00	PASS
11AC40SISO	Ant1	5190	MCS0	-0.39	≤11.00	PASS
11AC40SISO	Ant2	5190	MCS0	-1.65	≤11.00	PASS
11AC40SISO	Ant1	5230	MCS0	-0.59	≤11.00	PASS
11AC40SISO	Ant2	5230	MCS0	-1.41	≤11.00	PASS
11AC40SISO	Ant1	5755	MCS0	-1.37	≤30.00	PASS
11AC40SISO	Ant2	5755	MCS0	-2.32	≤30.00	PASS
11AC40SISO	Ant1	5795	MCS0	-1.39	≤30.00	PASS
11AC40SISO	Ant2	5795	MCS0	-2.30	≤30.00	PASS
11AC80SISO	Ant1	5210	MCS0	-4.01	≤11.00	PASS
11AC80SISO	Ant2	5210	MCS0	-5.14	≤11.00	PASS
11AC80SISO	Ant1	5775	MCS0	-4.51	≤30.00	PASS
11AC80SISO	Ant2	5775	MCS0	-5.29	≤30.00	PASS
11AC20MIMO	Ant1	5180	MCS0	-2.37	≤11.00	PASS
11AC20MIMO	Ant2	5180	MCS0	-2.85	≤11.00	PASS
11AC20MIMO	total	5180	MCS0	0.41	≤11.00	PASS
11AC20MIMO	Ant1	5200	MCS0	-2.24	≤11.00	PASS
11AC20MIMO	Ant2	5200	MCS0	-3.72	≤11.00	PASS
11AC20MIMO	total	5200	MCS0	0.09	≤11.00	PASS
11AC20MIMO	Ant1	5240	MCS0	-2.47	≤11.00	PASS
11AC20MIMO	Ant2	5240	MCS0	-2.82	≤11.00	PASS
11AC20MIMO	total	5240	MCS0	0.37	≤11.00	PASS
11AC20MIMO	Ant1	5745	MCS0	-3.84	≤30.00	PASS
11AC20MIMO	Ant2	5745	MCS0	-4.65	≤30.00	PASS
11AC20MIMO	total	5745	MCS0	-1.22	≤30.00	PASS
11AC20MIMO	Ant1	5785	MCS0	-3.36	≤30.00	PASS
11AC20MIMO	Ant2	5785	MCS0	-4.19	≤30.00	PASS
11AC20MIMO	total	5785	MCS0	-0.74	≤30.00	PASS
11AC20MIMO	Ant1	5805	MCS0	-3.15	≤30.00	PASS

11AC20MIMO	Ant2	5805	MCS0	-4.30	≤30.00	PASS
11AC20MIMO	total	5805	MCS0	-0.68	≤30.00	PASS
11AC40MIMO	Ant1	5190	MCS0	-5.40	≤11.00	PASS
11AC40MIMO	Ant2	5190	MCS0	-6.22	≤11.00	PASS
11AC40MIMO	total	5190	MCS0	-2.78	≤11.00	PASS
11AC40MIMO	Ant1	5230	MCS0	-5.56	≤11.00	PASS
11AC40MIMO	Ant2	5230	MCS0	-6.11	≤11.00	PASS
11AC40MIMO	total	5230	MCS0	-2.82	≤11.00	PASS
11AC40MIMO	Ant1	5755	MCS0	-6.48	≤30.00	PASS
11AC40MIMO	Ant2	5755	MCS0	-7.35	≤30.00	PASS
11AC40MIMO	total	5755	MCS0	-3.88	≤30.00	PASS
11AC40MIMO	Ant1	5795	MCS0	-6.35	≤30.00	PASS
11AC40MIMO	Ant2	5795	MCS0	-7.21	≤30.00	PASS
11AC40MIMO	total	5795	MCS0	-3.75	≤30.00	PASS
11AC80MIMO	Ant1	5210	MCS0	-8.72	≤11.00	PASS
11AC80MIMO	Ant2	5210	MCS0	-9.68	≤11.00	PASS
11AC80MIMO	total	5210	MCS0	-6.16	≤11.00	PASS
11AC80MIMO	Ant1	5775	MCS0	-9.56	≤30.00	PASS
11AC80MIMO	Ant2	5775	MCS0	-10.21	≤30.00	PASS
11AC80MIMO	total	5775	MCS0	-6.86	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factorand RBW Factoriscompensatedinthegraph.