



AppendixB: Duty Cycle

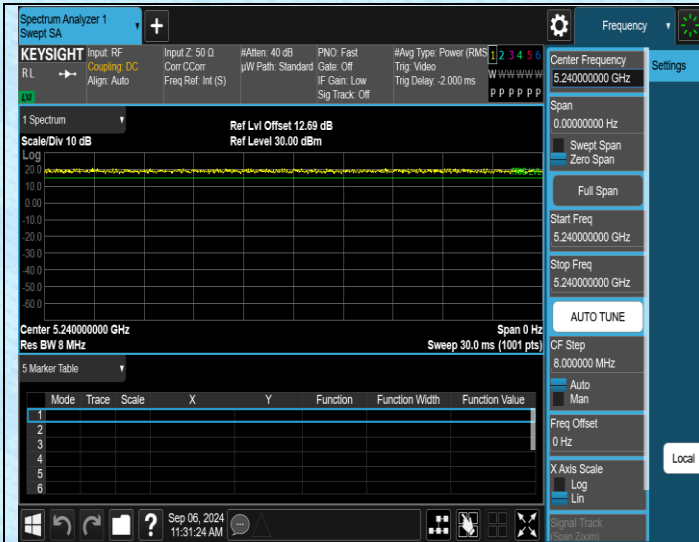
Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AC20SISO	Ant3	5180	MCS0	30.00	30.00	100.00
11AC20SISO	Ant4	5180	MCS0	30.00	30.00	100.00
11AC20SISO	Ant3	5200	MCS0	30.00	30.00	100.00
11AC20SISO	Ant4	5200	MCS0	30.00	30.00	100.00
11AC20SISO	Ant3	5240	MCS0	30.00	30.00	100.00
11AC20SISO	Ant4	5240	MCS0	30.00	30.00	100.00
11AC20SISO	Ant3	5745	MCS0	30.00	30.00	100.00
11AC20SISO	Ant4	5745	MCS0	30.00	30.00	100.00
11AC20SISO	Ant3	5785	MCS0	30.00	30.00	100.00
11AC20SISO	Ant4	5785	MCS0	30.00	30.00	100.00
11AC20SISO	Ant3	5805	MCS0	30.00	30.00	100.00
11AC20SISO	Ant4	5805	MCS0	30.00	30.00	100.00
11AC40SISO	Ant3	5190	MCS0	30.00	30.00	100.00
11AC40SISO	Ant4	5190	MCS0	30.00	30.00	100.00
11AC40SISO	Ant3	5230	MCS0	30.00	30.00	100.00
11AC40SISO	Ant4	5230	MCS0	30.00	30.00	100.00
11AC40SISO	Ant3	5755	MCS0	30.00	30.00	100.00
11AC40SISO	Ant4	5755	MCS0	30.00	30.00	100.00
11AC40SISO	Ant3	5795	MCS0	30.00	30.00	100.00
11AC40SISO	Ant4	5795	MCS0	30.00	30.00	100.00
11AC80SISO	Ant3	5210	MCS0	30.00	30.00	100.00
11AC80SISO	Ant4	5210	MCS0	30.00	30.00	100.00
11AC80SISO	Ant3	5775	MCS0	30.00	30.00	100.00
11AC80SISO	Ant4	5775	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant3	5180	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant4	5180	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant3	5200	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant4	5200	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant3	5240	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant4	5240	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant3	5745	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant4	5745	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant3	5785	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant4	5785	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant3	5805	MCS0	30.00	30.00	100.00
11AC20MIMO	Ant4	5805	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant3	5190	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant4	5190	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant3	5230	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant4	5230	MCS0	30.00	30.00	100.00

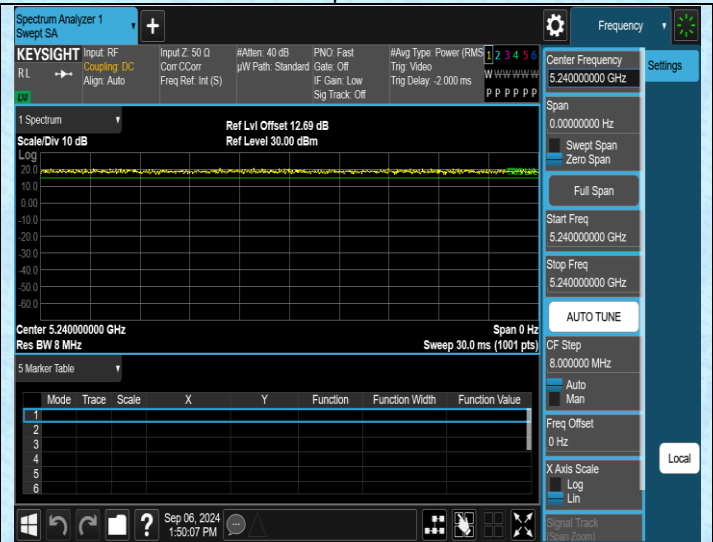
11AC40MIMO	Ant3	5755	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant4	5755	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant3	5795	MCS0	30.00	30.00	100.00
11AC40MIMO	Ant4	5795	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant3	5210	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant4	5210	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant3	5775	MCS0	30.00	30.00	100.00
11AC80MIMO	Ant4	5775	MCS0	30.00	30.00	100.00

Test Graphs

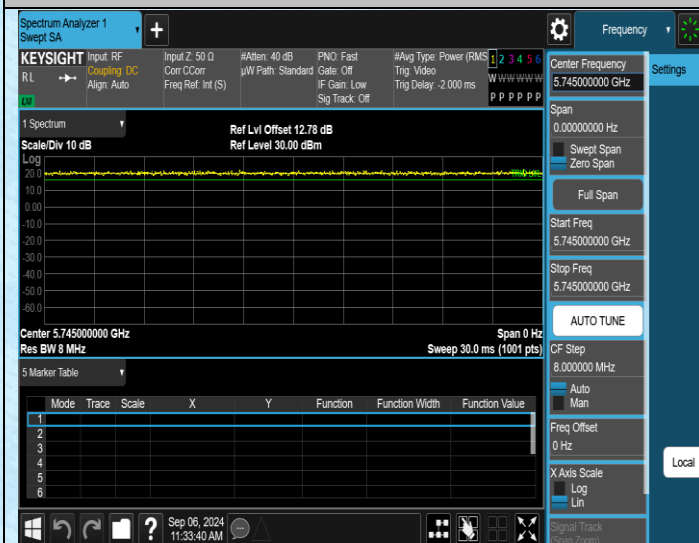




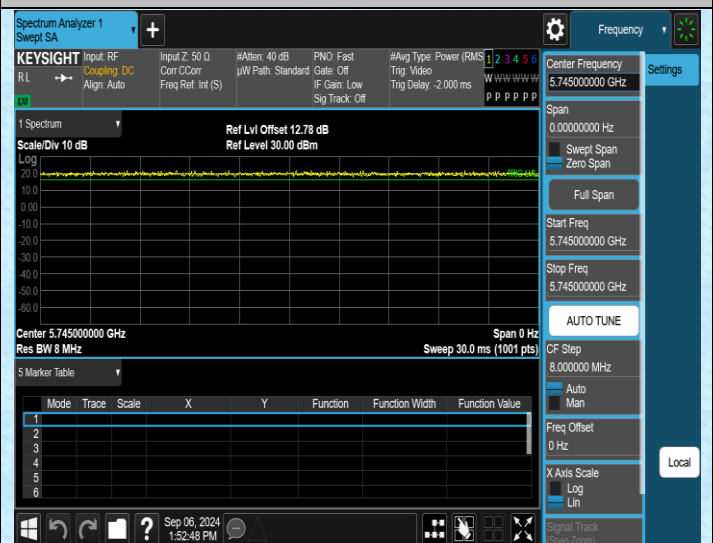
NTNV-11AC20SISO-Ant3-5240



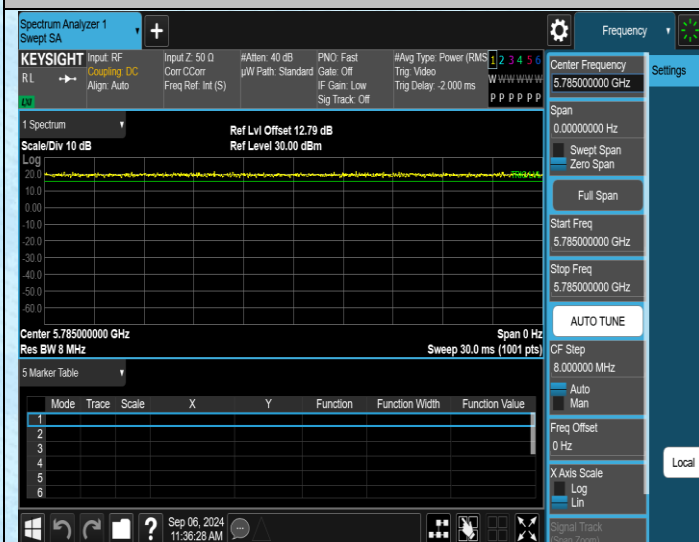
NTNV-11AC20SISO-Ant4-5240



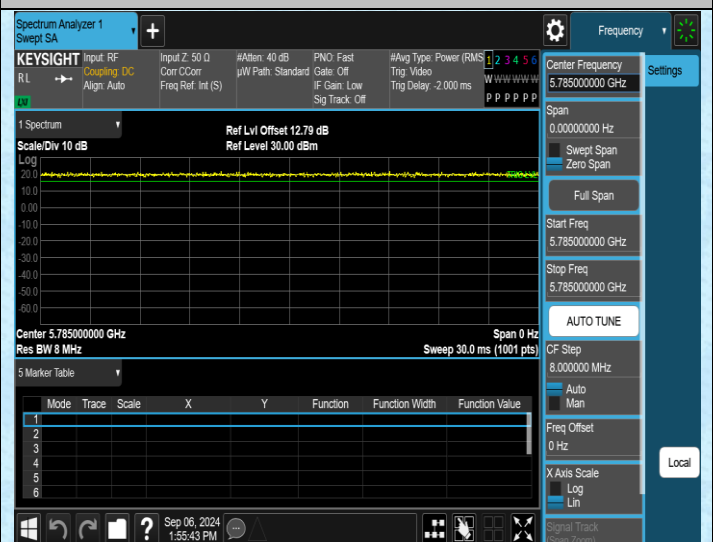
NTNV-11AC20SISO-Ant3-5745



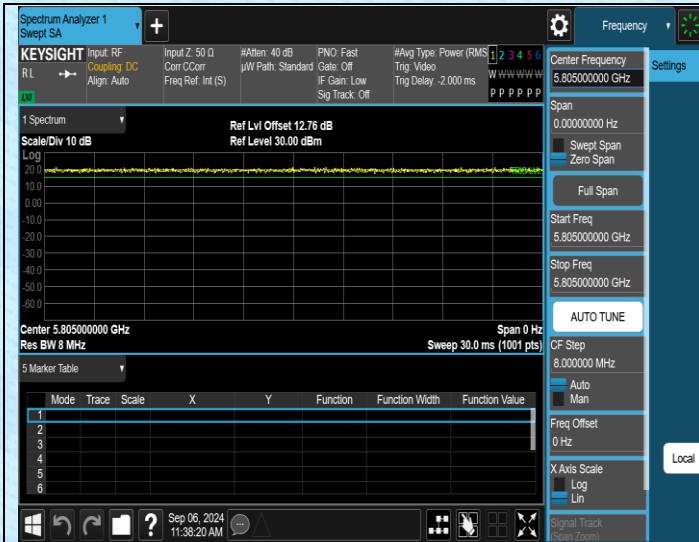
NTNV-11AC20SISO-Ant4-5745



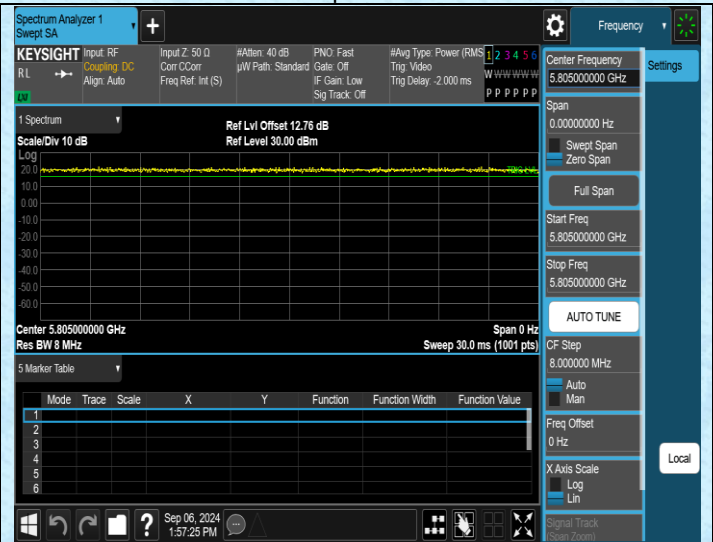
NTNV-11AC20SISO-Ant3-5785



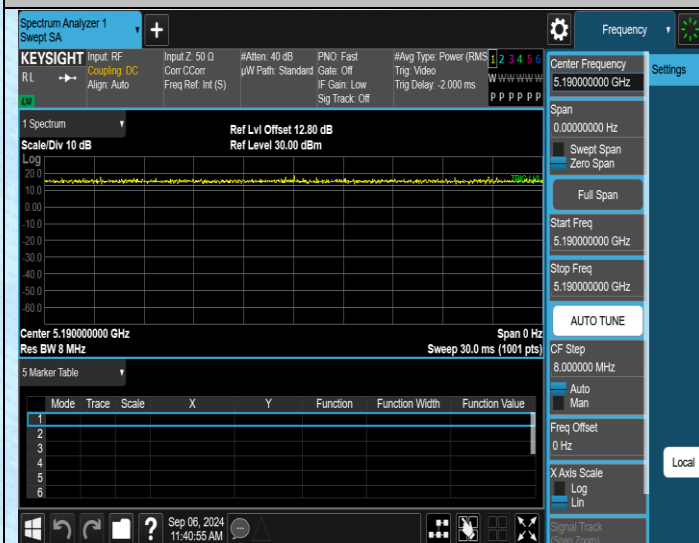
NTNV-11AC20SISO-Ant4-5785



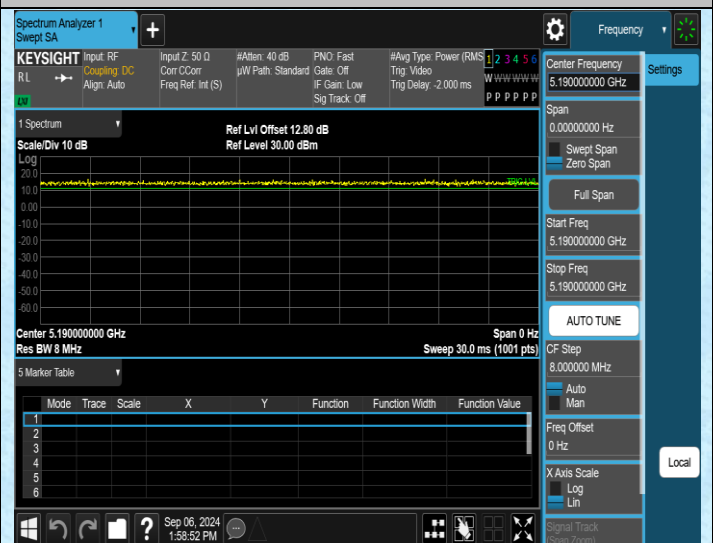
NTNV-11AC20SISO-Ant3-5805



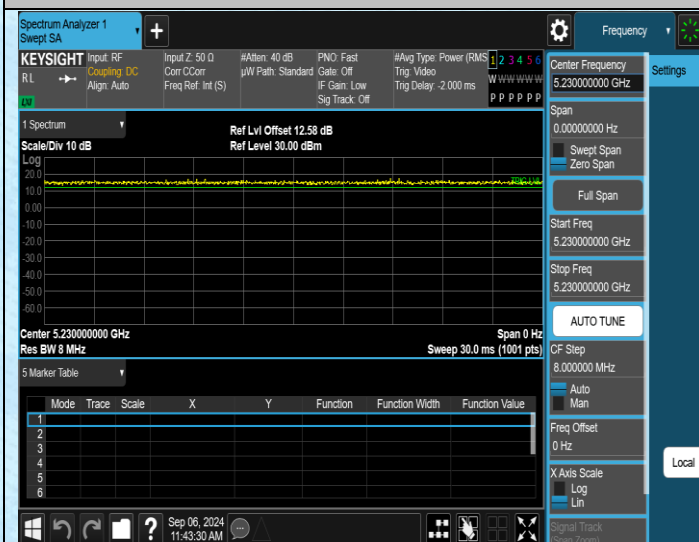
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NTNV-11AC40SISO-Ant3-5190



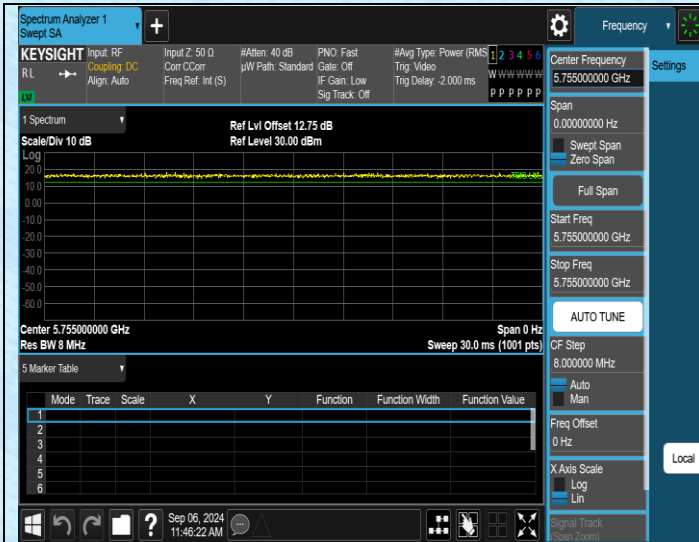
NTNV-11AC40SISO-Ant4-5190



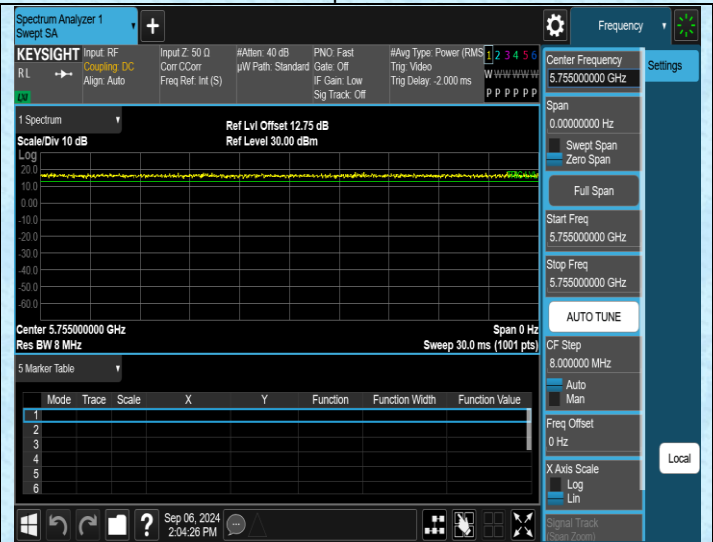
NTNV-11AC40SISO-Ant3-5230



NTNV-11AC40SISO-Ant4-5230



NTNV-11AC40SISO-Ant3-5755



NTNV-11AC40SISO-Ant4-5755



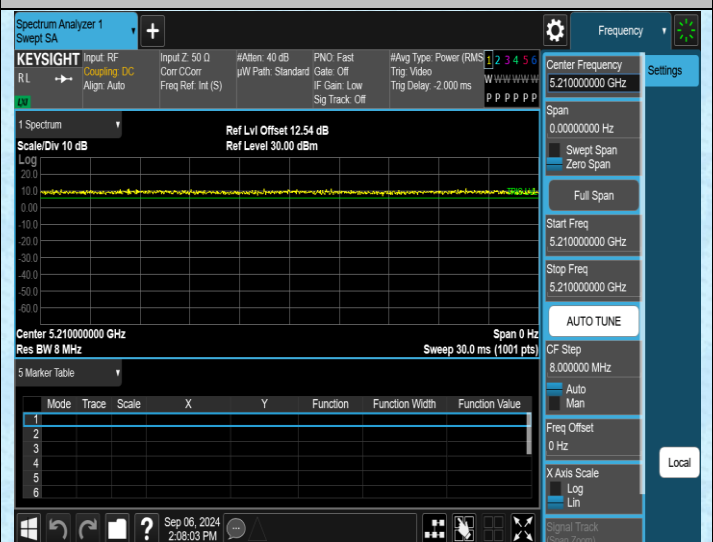
NTNV-11AC40SISO-Ant3-5795



NTNV-11AC40SISO-Ant4-5795



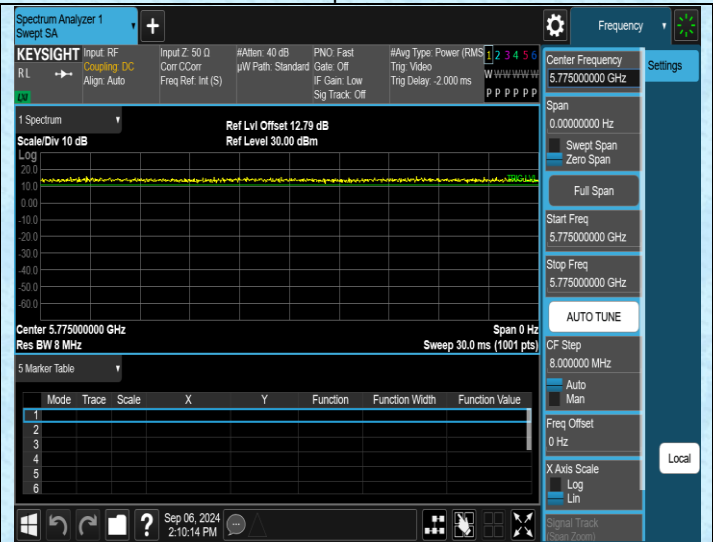
NTNV-11AC80SISO-Ant3-5210



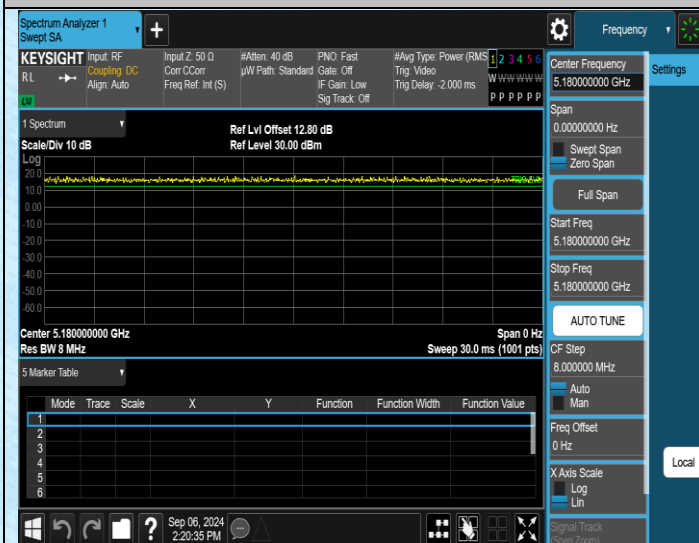
NTNV-11AC80SISO-Ant4-5210



NTNV-11AC80SISO-Ant3-5775



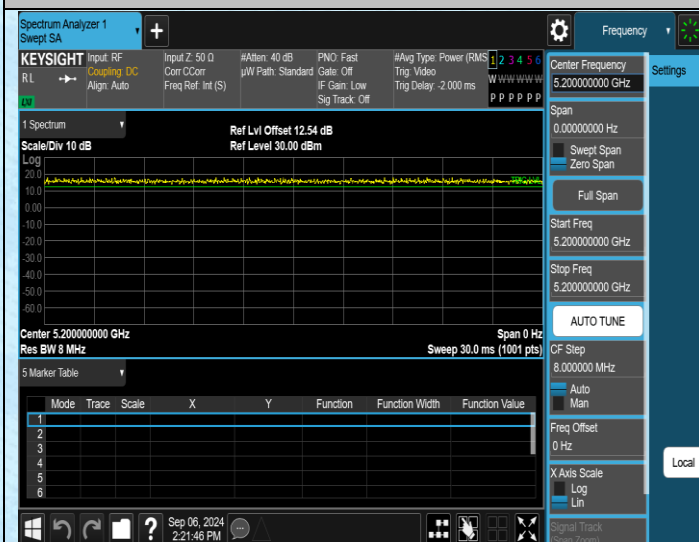
NTNV-11AC80SISO-Ant4-5775



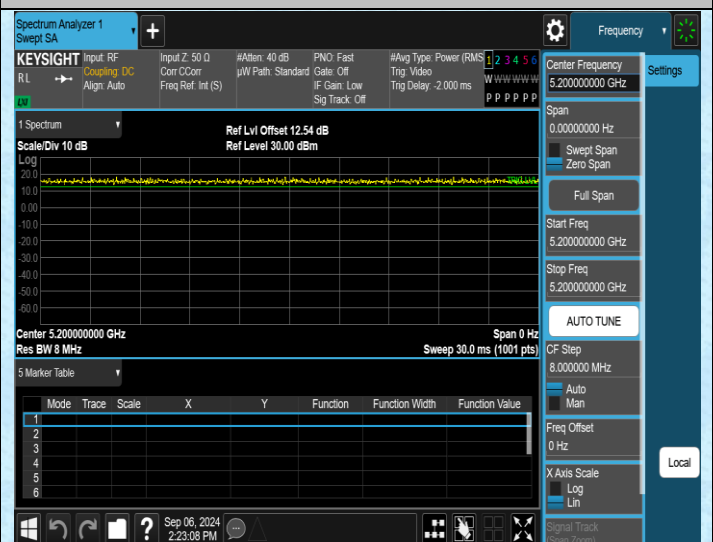
NTNV-11AC20MIMO-Ant3-5180



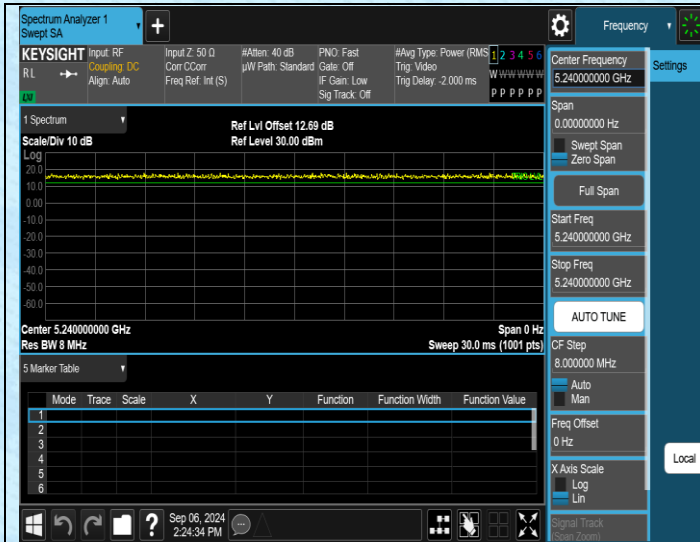
NTNV-11AC20MIMO-Ant4-5180



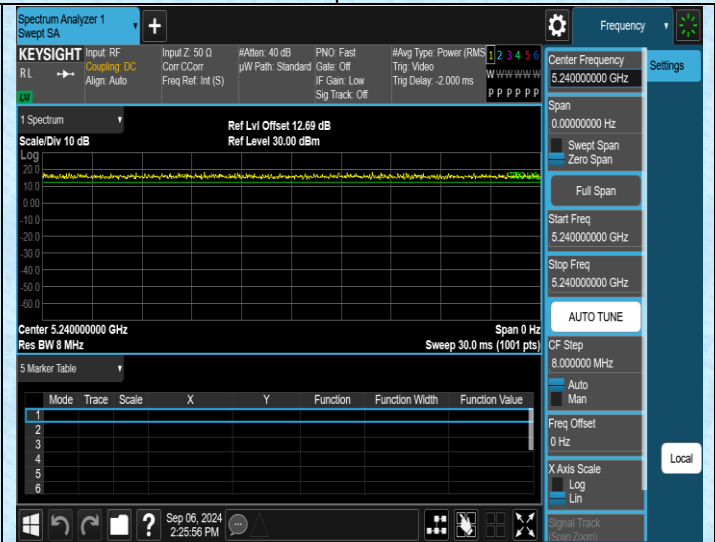
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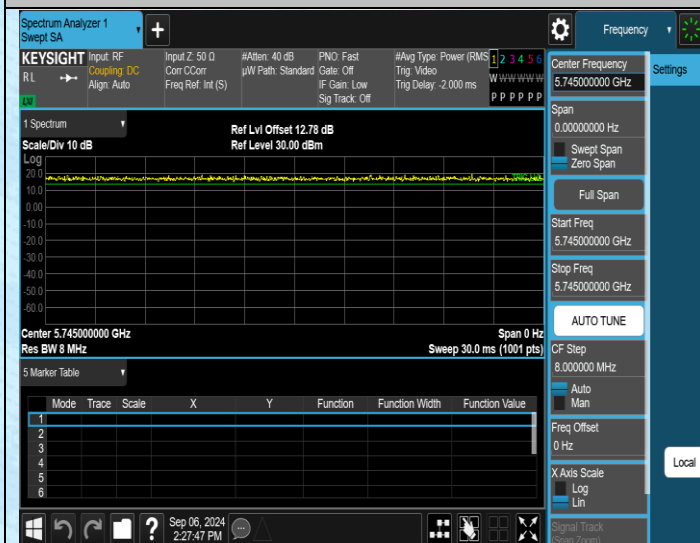
NTNV-11AC20MIMO-Ant4-5200



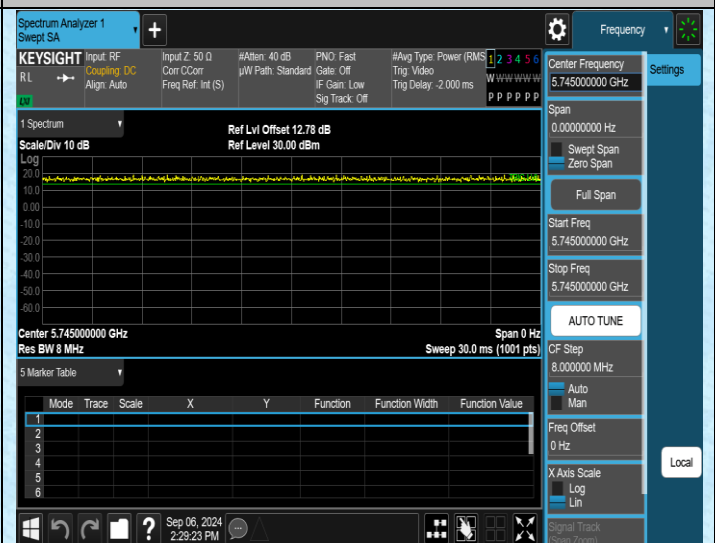
NTNV-11AC20MIMO-Ant3-5240



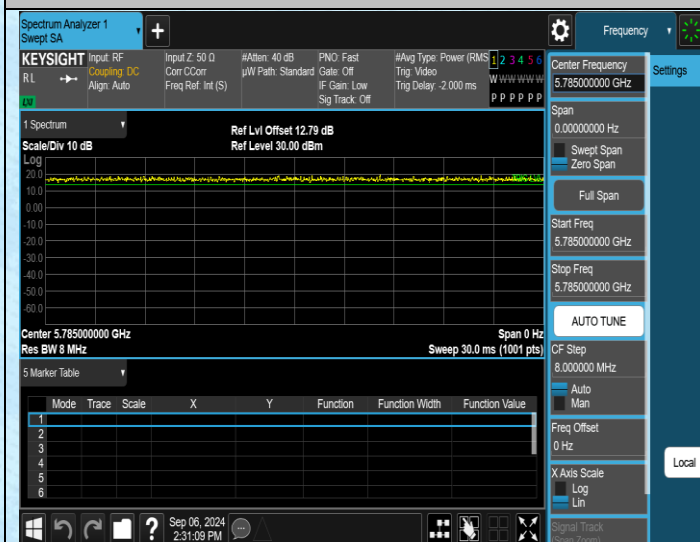
NTNV-11AC20MIMO-Ant4-5240



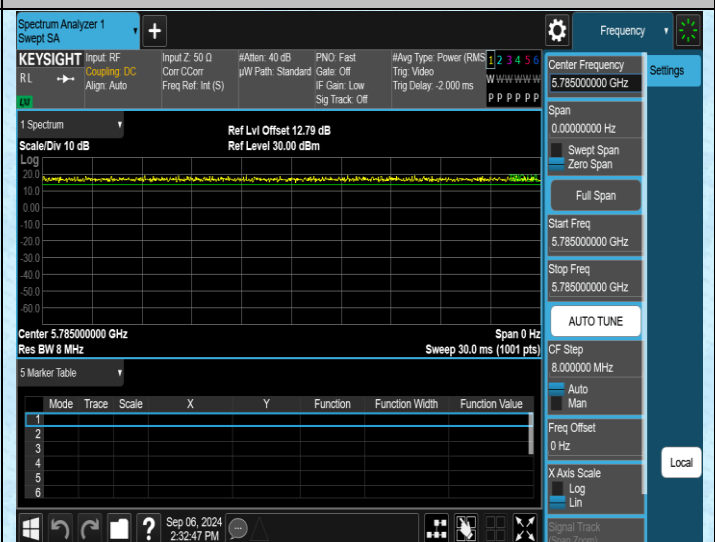
NTNV-11AC20MIMO-Ant3-5745



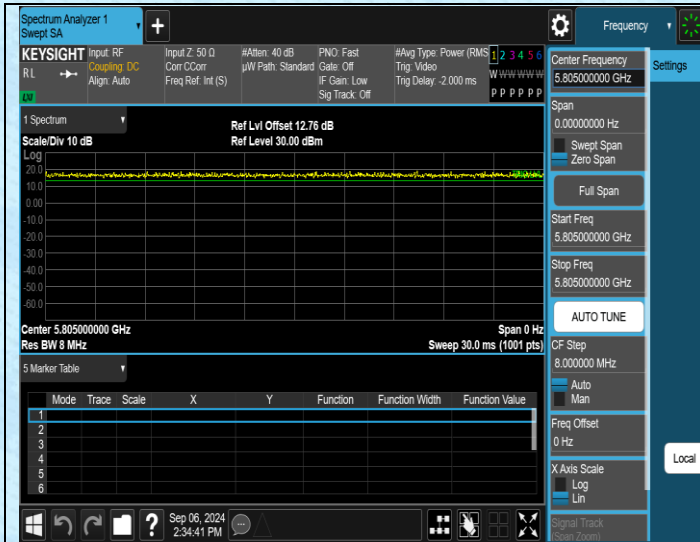
NTNV-11AC20MIMO-Ant4-5745



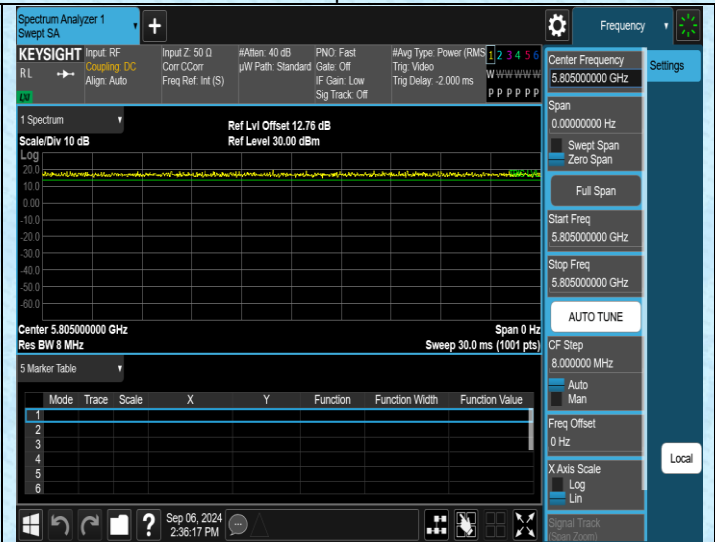
NTNV-11AC20MIMO-Ant3-5785



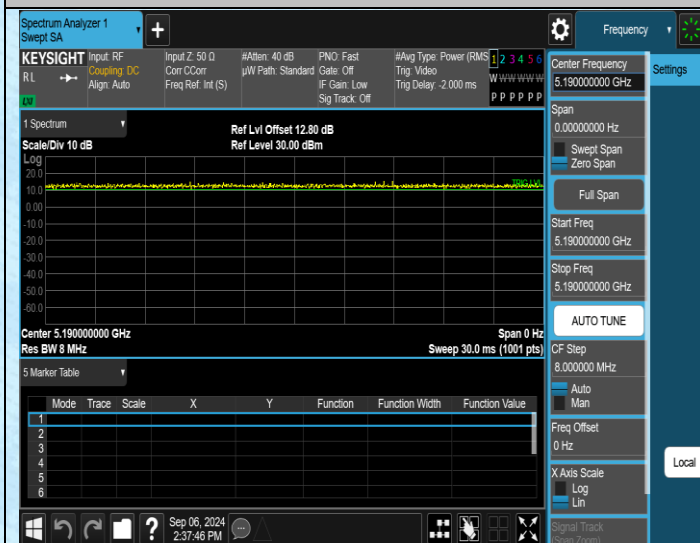
NTNV-11AC20MIMO-Ant4-5785



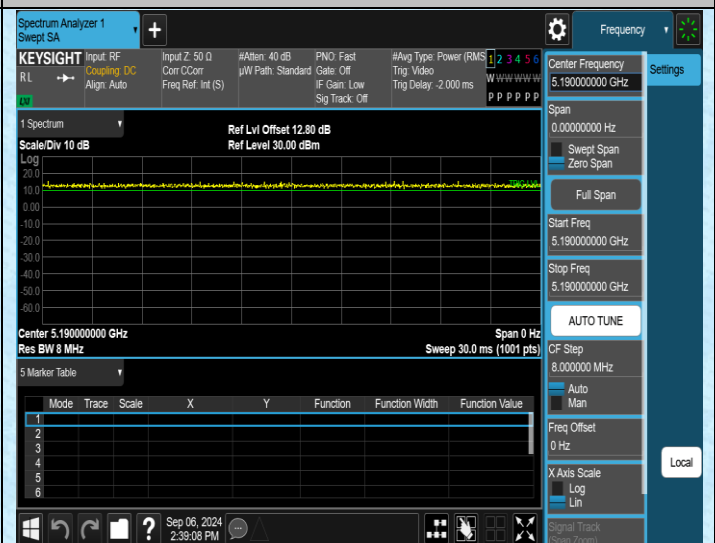
NTNV-11AC20MIMO-Ant3-5805



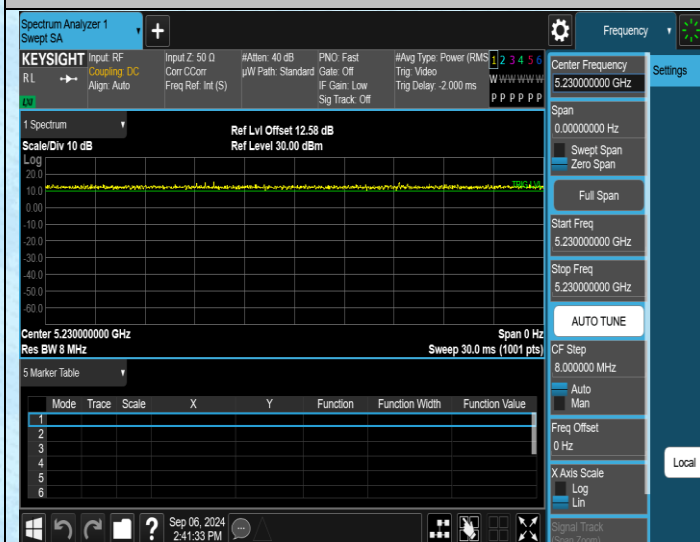
NTNV-11AC20MIMO-Ant4-5805



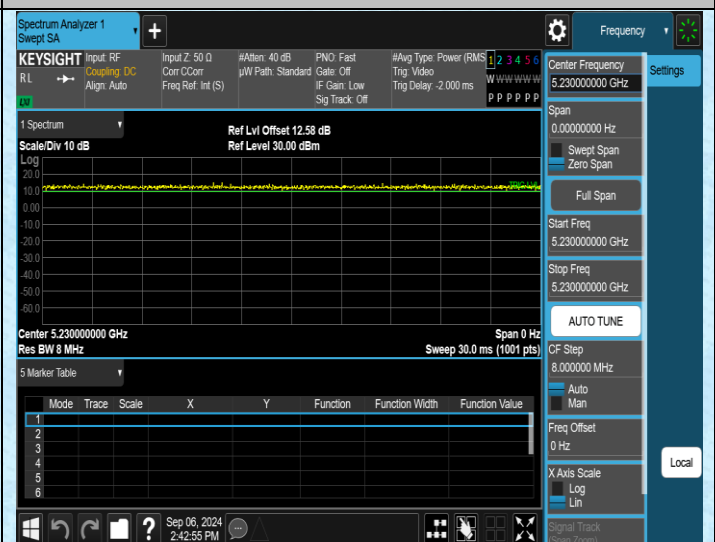
NTNV-11AC40MIMO-Ant3-5190



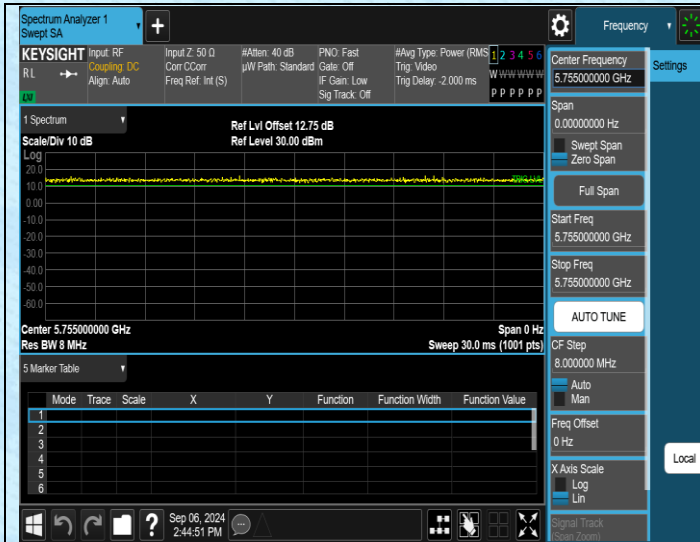
NTNV-11AC40MIMO-Ant4-5190



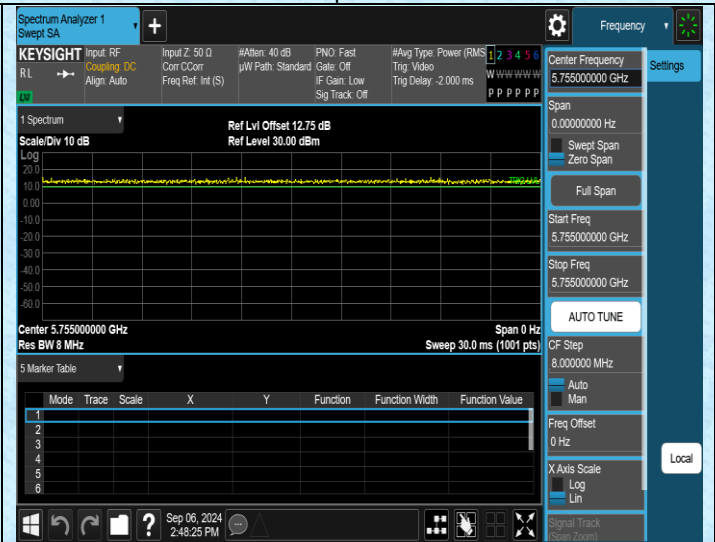
NTNV-11AC40MIMO-Ant3-5230



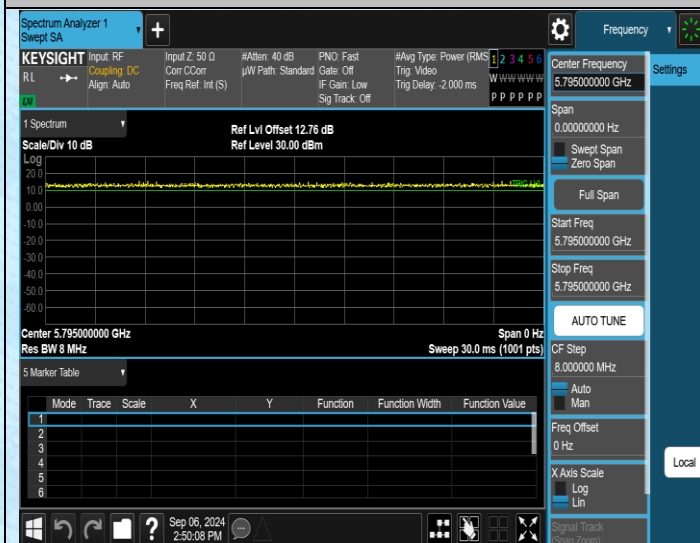
NTNV-11AC40MIMO-Ant4-5230



NTNV-11AC40MIMO-Ant3-5755



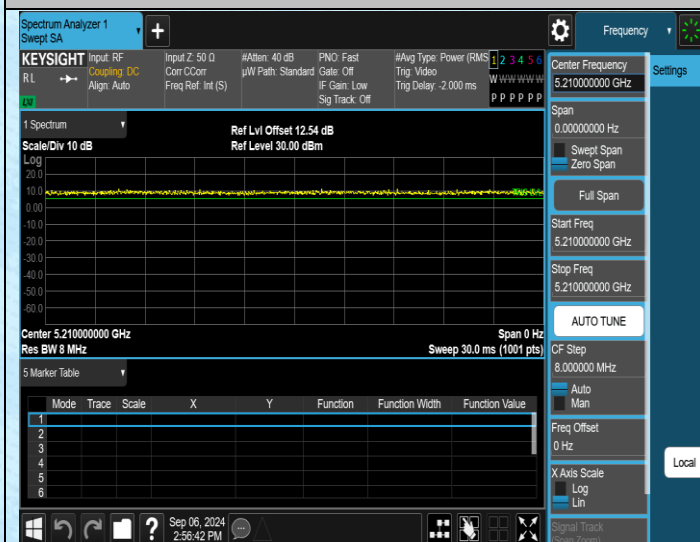
NTNV-11AC40MIMO-Ant4-5755



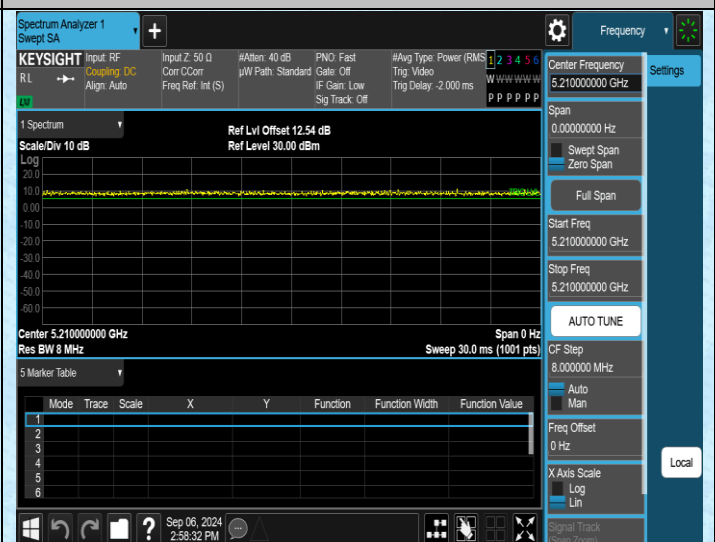
NTNV-11AC40MIMO-Ant3-5795



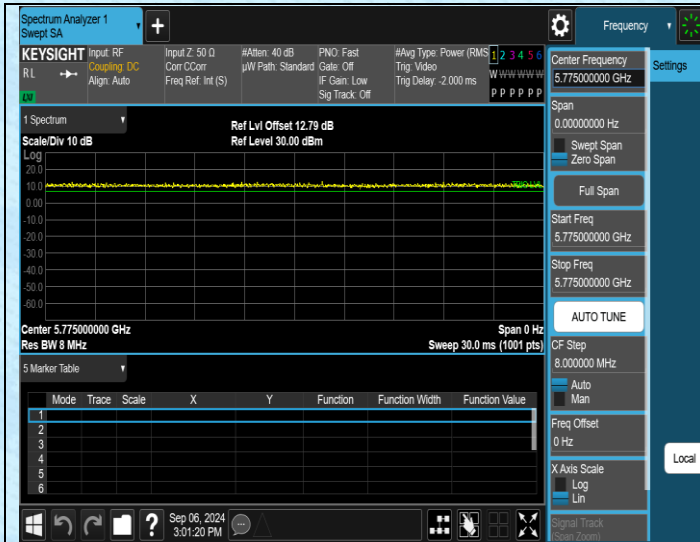
NTNV-11AC40MIMO-Ant4-5795



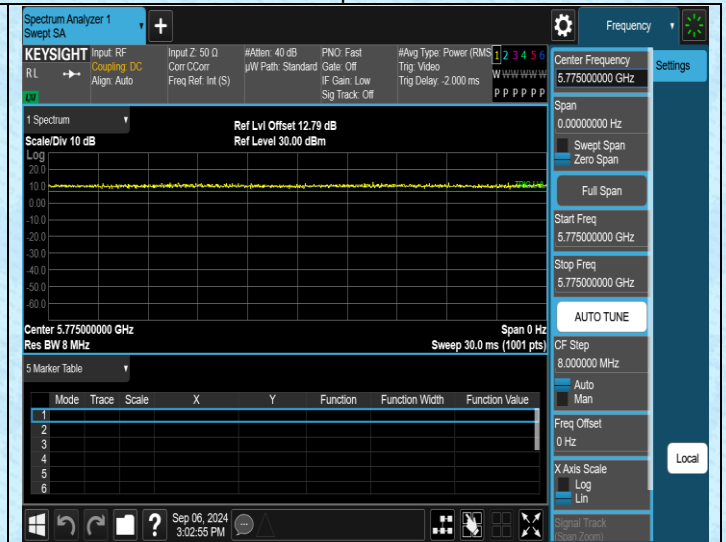
NTNV-11AC80MIMO-Ant3-5210



NTNV-11AC80MIMO-Ant4-5210



NTNV-11AC80MIMO-Ant3-5775



NTNV-11AC80MIMO-Ant4-5775

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]	Verdict
11AC20SISO	Ant3	5180	MCS0	17.38	100.00	0.00	17.38	≤30.00	PASS
11AC20SISO	Ant4	5180	MCS0	17.19	100.00	0.00	17.19	≤30.00	PASS
11AC20SISO	Ant3	5200	MCS0	17.26	100.00	0.00	17.26	≤30.00	PASS
11AC20SISO	Ant4	5200	MCS0	16.88	100.00	0.00	16.88	≤30.00	PASS
11AC20SISO	Ant3	5240	MCS0	17.21	100.00	0.00	17.21	≤30.00	PASS
11AC20SISO	Ant4	5240	MCS0	17.01	100.00	0.00	17.01	≤30.00	PASS
11AC20SISO	Ant3	5745	MCS0	17.58	100.00	0.00	17.58	≤30.00	PASS
11AC20SISO	Ant4	5745	MCS0	17.69	100.00	0.00	17.69	≤30.00	PASS
11AC20SISO	Ant3	5785	MCS0	17.31	100.00	0.00	17.31	≤30.00	PASS
11AC20SISO	Ant4	5785	MCS0	17.60	100.00	0.00	17.60	≤30.00	PASS
11AC20SISO	Ant3	5805	MCS0	17.15	100.00	0.00	17.15	≤30.00	PASS
11AC20SISO	Ant4	5805	MCS0	17.48	100.00	0.00	17.48	≤30.00	PASS
11AC40SISO	Ant3	5190	MCS0	16.81	100.00	0.00	16.81	≤30.00	PASS
11AC40SISO	Ant4	5190	MCS0	17.29	100.00	0.00	17.29	≤30.00	PASS
11AC40SISO	Ant3	5230	MCS0	16.74	100.00	0.00	16.74	≤30.00	PASS
11AC40SISO	Ant4	5230	MCS0	17.25	100.00	0.00	17.25	≤30.00	PASS
11AC40SISO	Ant3	5755	MCS0	17.79	100.00	0.00	17.79	≤30.00	PASS
11AC40SISO	Ant4	5755	MCS0	18.04	100.00	0.00	18.04	≤30.00	PASS
11AC40SISO	Ant3	5795	MCS0	17.40	100.00	0.00	17.40	≤30.00	PASS
11AC40SISO	Ant4	5795	MCS0	17.90	100.00	0.00	17.90	≤30.00	PASS
11AC80SISO	Ant3	5210	MCS0	16.59	100.00	0.00	16.59	≤30.00	PASS
11AC80SISO	Ant4	5210	MCS0	14.06	100.00	0.00	14.06	≤30.00	PASS
11AC80SISO	Ant3	5775	MCS0	17.31	100.00	0.00	17.31	≤30.00	PASS
11AC80SISO	Ant4	5775	MCS0	17.64	100.00	0.00	17.64	≤30.00	PASS
11AC20MIMO	Ant3	5180	MCS0	13.85	100.00	0.00	13.85	≤30.00	PASS
11AC20MIMO	Ant4	5180	MCS0	14.08	100.00	0.00	14.08	≤30.00	PASS
11AC20MIMO	total	5180	---	---	---	---	16.98	≤30.00	PASS
11AC20MIMO	Ant3	5200	MCS0	13.70	100.00	0.00	13.70	≤30.00	PASS
11AC20MIMO	Ant4	5200	MCS0	13.58	100.00	0.00	13.58	≤30.00	PASS
11AC20MIMO	total	5200	---	---	---	---	16.65	≤30.00	PASS
11AC20MIMO	Ant3	5240	MCS0	13.85	100.00	0.00	13.85	≤30.00	PASS
11AC20MIMO	Ant4	5240	MCS0	13.95	100.00	0.00	13.95	≤30.00	PASS
11AC20MIMO	total	5240	---	---	---	---	16.91	≤30.00	PASS
11AC20MIMO	Ant3	5745	MCS0	14.82	100.00	0.00	14.82	≤30.00	PASS
11AC20MIMO	Ant4	5745	MCS0	14.54	100.00	0.00	14.54	≤30.00	PASS
11AC20MIMO	total	5745	---	---	---	---	17.69	≤30.00	PASS
11AC20MIMO	Ant3	5785	MCS0	14.58	100.00	0.00	14.58	≤30.00	PASS
11AC20MIMO	Ant4	5785	MCS0	14.73	100.00	0.00	14.73	≤30.00	PASS
11AC20MIMO	total	5785	---	---	---	---	17.67	≤30.00	PASS

11AC20MIMO	Ant3	5805	MCS0	14.36	100.00	0.00	14.36	≤30.00	PASS
11AC20MIMO	Ant4	5805	MCS0	14.64	100.00	0.00	14.64	≤30.00	PASS
11AC20MIMO	total	5805	---	---	---	---	17.51	≤30.00	PASS
11AC40MIMO	Ant3	5190	MCS0	14.16	100.00	0.00	14.16	≤30.00	PASS
11AC40MIMO	Ant4	5190	MCS0	14.38	100.00	0.00	14.38	≤30.00	PASS
11AC40MIMO	total	5190	---	---	---	---	17.28	≤30.00	PASS
11AC40MIMO	Ant3	5230	MCS0	14.29	100.00	0.00	14.29	≤30.00	PASS
11AC40MIMO	Ant4	5230	MCS0	14.45	100.00	0.00	14.45	≤30.00	PASS
11AC40MIMO	total	5230	---	---	---	---	17.38	≤30.00	PASS
11AC40MIMO	Ant3	5755	MCS0	14.76	100.00	0.00	14.76	≤30.00	PASS
11AC40MIMO	Ant4	5755	MCS0	14.58	100.00	0.00	14.58	≤30.00	PASS
11AC40MIMO	total	5755	---	---	---	---	17.68	≤30.00	PASS
11AC40MIMO	Ant3	5795	MCS0	14.41	100.00	0.00	14.41	≤30.00	PASS
11AC40MIMO	Ant4	5795	MCS0	14.78	100.00	0.00	14.78	≤30.00	PASS
11AC40MIMO	total	5795	---	---	---	---	17.61	≤30.00	PASS
11AC80MIMO	Ant3	5210	MCS0	13.49	100.00	0.00	13.49	≤30.00	PASS
11AC80MIMO	Ant4	5210	MCS0	13.41	100.00	0.00	13.41	≤30.00	PASS
11AC80MIMO	total	5210	---	---	---	---	16.46	≤30.00	PASS
11AC80MIMO	Ant3	5775	MCS0	14.41	100.00	0.00	14.41	≤30.00	PASS
11AC80MIMO	Ant4	5775	MCS0	14.44	100.00	0.00	14.44	≤30.00	PASS
11AC80MIMO	total	5775	---	---	---	---	17.44	≤30.00	PASS

AppendixD: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11AC20SISO	Ant3	5180	MCS0	4.05	≤17.00	PASS
11AC20SISO	Ant4	5180	MCS0	3.69	≤17.00	PASS
11AC20SISO	Ant3	5200	MCS0	3.84	≤17.00	PASS
11AC20SISO	Ant4	5200	MCS0	3.22	≤17.00	PASS
11AC20SISO	Ant3	5240	MCS0	4.06	≤17.00	PASS
11AC20SISO	Ant4	5240	MCS0	3.58	≤17.00	PASS
11AC20SISO	Ant3	5745	MCS0	1.56	≤30.00	PASS
11AC20SISO	Ant4	5745	MCS0	1.52	≤30.00	PASS
11AC20SISO	Ant3	5785	MCS0	1.29	≤30.00	PASS
11AC20SISO	Ant4	5785	MCS0	1.56	≤30.00	PASS
11AC20SISO	Ant3	5805	MCS0	1.18	≤30.00	PASS
11AC20SISO	Ant4	5805	MCS0	1.73	≤30.00	PASS
11AC40SISO	Ant3	5190	MCS0	0.09	≤17.00	PASS
11AC40SISO	Ant4	5190	MCS0	0.41	≤17.00	PASS
11AC40SISO	Ant3	5230	MCS0	-0.14	≤17.00	PASS
11AC40SISO	Ant4	5230	MCS0	0.18	≤17.00	PASS
11AC40SISO	Ant3	5755	MCS0	-1.65	≤30.00	PASS
11AC40SISO	Ant4	5755	MCS0	-1.81	≤30.00	PASS
11AC40SISO	Ant3	5795	MCS0	-2.14	≤30.00	PASS
11AC40SISO	Ant4	5795	MCS0	-1.74	≤30.00	PASS
11AC80SISO	Ant3	5210	MCS0	-2.86	≤17.00	PASS
11AC80SISO	Ant4	5210	MCS0	-5.22	≤17.00	PASS
11AC80SISO	Ant3	5775	MCS0	-4.42	≤30.00	PASS
11AC80SISO	Ant4	5775	MCS0	-3.99	≤30.00	PASS
11AC20MIMO	Ant3	5180	MCS0	0.12	≤17.00	PASS
11AC20MIMO	Ant4	5180	MCS0	0.35	≤17.00	PASS
11AC20MIMO	total	5180	MCS0	3.25	≤17.00	PASS
11AC20MIMO	Ant3	5200	MCS0	-0.01	≤17.00	PASS
11AC20MIMO	Ant4	5200	MCS0	-0.15	≤17.00	PASS
11AC20MIMO	total	5200	MCS0	2.93	≤17.00	PASS
11AC20MIMO	Ant3	5240	MCS0	0.36	≤17.00	PASS
11AC20MIMO	Ant4	5240	MCS0	0.3	≤17.00	PASS
11AC20MIMO	total	5240	MCS0	3.34	≤17.00	PASS
11AC20MIMO	Ant3	5745	MCS0	-1.29	≤30.00	PASS
11AC20MIMO	Ant4	5745	MCS0	-1.79	≤30.00	PASS
11AC20MIMO	total	5745	MCS0	1.48	≤29.96	PASS
11AC20MIMO	Ant3	5785	MCS0	-1.49	≤30.00	PASS
11AC20MIMO	Ant4	5785	MCS0	-1.78	≤30.00	PASS
11AC20MIMO	total	5785	MCS0	1.38	≤29.96	PASS
11AC20MIMO	Ant3	5805	MCS0	-2.15	≤30.00	PASS
11AC20MIMO	Ant4	5805	MCS0	-1.63	≤30.00	PASS

11AC20MIMO	total	5805	MCS0	1.13	≤29.96	PASS
11AC40MIMO	Ant3	5190	MCS0	-2.59	≤17.00	PASS
11AC40MIMO	Ant4	5190	MCS0	-2.55	≤17.00	PASS
11AC40MIMO	total	5190	MCS0	0.44	≤17.00	PASS
11AC40MIMO	Ant3	5230	MCS0	-2.81	≤17.00	PASS
11AC40MIMO	Ant4	5230	MCS0	-2.38	≤17.00	PASS
11AC40MIMO	total	5230	MCS0	0.42	≤17.00	PASS
11AC40MIMO	Ant3	5755	MCS0	-4.81	≤30.00	PASS
11AC40MIMO	Ant4	5755	MCS0	-5.03	≤30.00	PASS
11AC40MIMO	total	5755	MCS0	-1.91	≤29.96	PASS
11AC40MIMO	Ant3	5795	MCS0	-5.07	≤30.00	PASS
11AC40MIMO	Ant4	5795	MCS0	-5.15	≤30.00	PASS
11AC40MIMO	total	5795	MCS0	-2.10	≤29.96	PASS
11AC80MIMO	Ant3	5210	MCS0	-5.92	≤17.00	PASS
11AC80MIMO	Ant4	5210	MCS0	-6.28	≤17.00	PASS
11AC80MIMO	total	5210	MCS0	-3.09	≤17.00	PASS
11AC80MIMO	Ant3	5775	MCS0	-7.27	≤30.00	PASS
11AC80MIMO	Ant4	5775	MCS0	-7.59	≤30.00	PASS
11AC80MIMO	total	5775	MCS0	-4.42	≤29.96	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 Factoriscompensatedinthe graph.