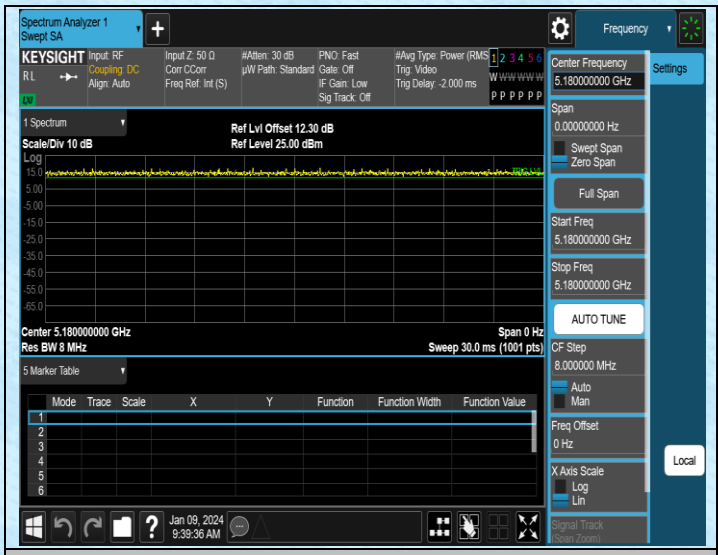
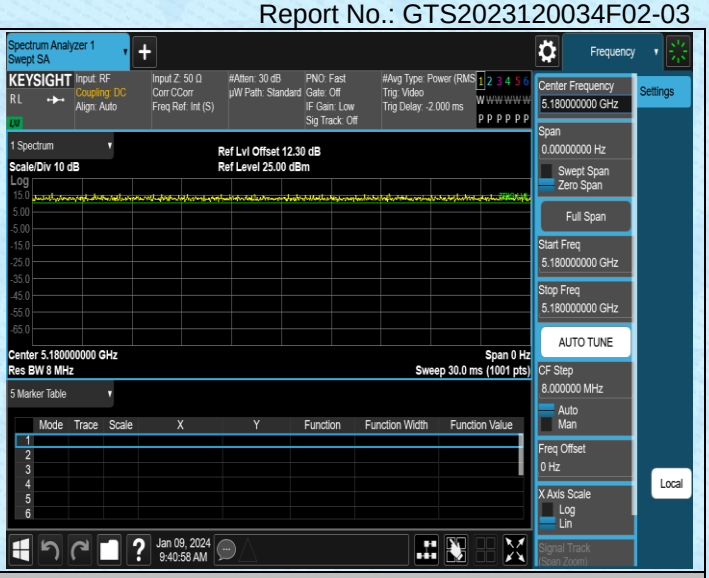
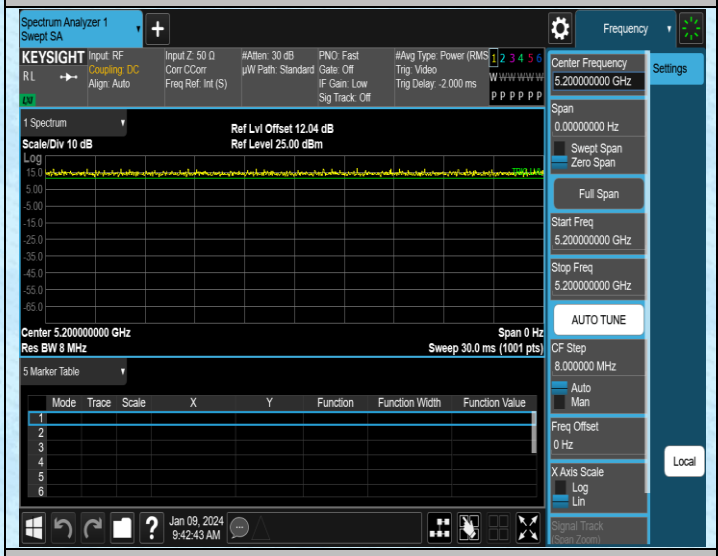


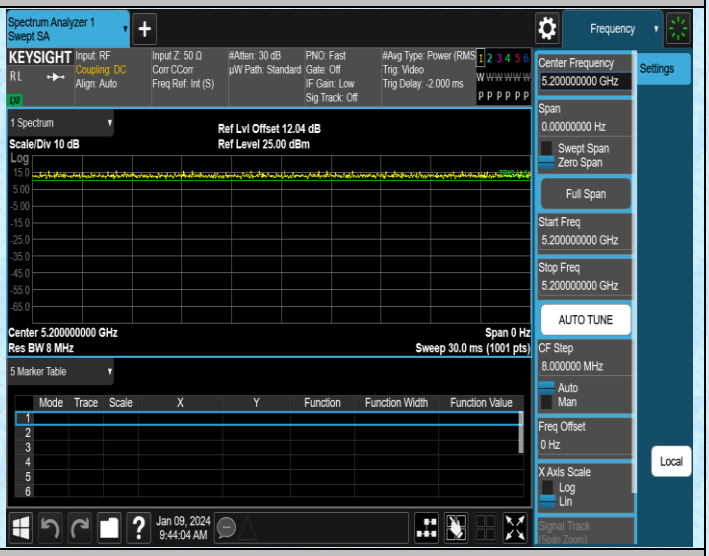
NTNV-11AC20MIMO-Ant3-5180



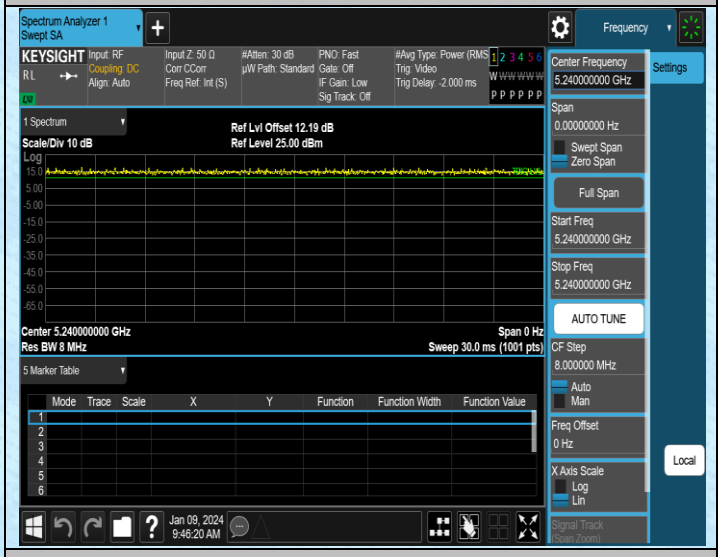
NTNV-11AC20MIMO-Ant4-5180



NTNV-11AC20MIMO-Ant3-5200

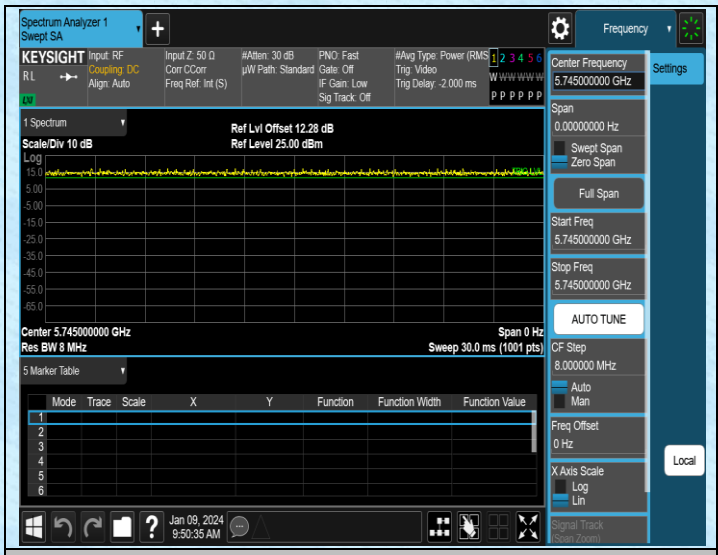


NTNV-11AC20MIMO-Ant4-5200

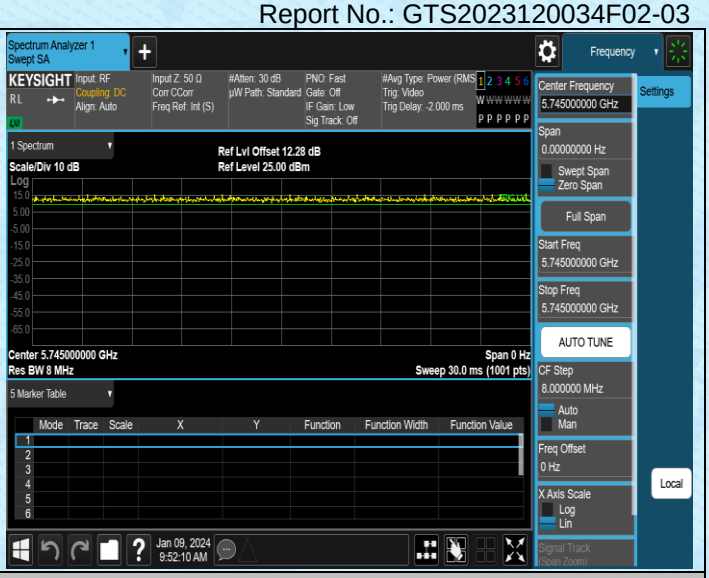


NTNV-11AC20MIMO-Ant3-5240

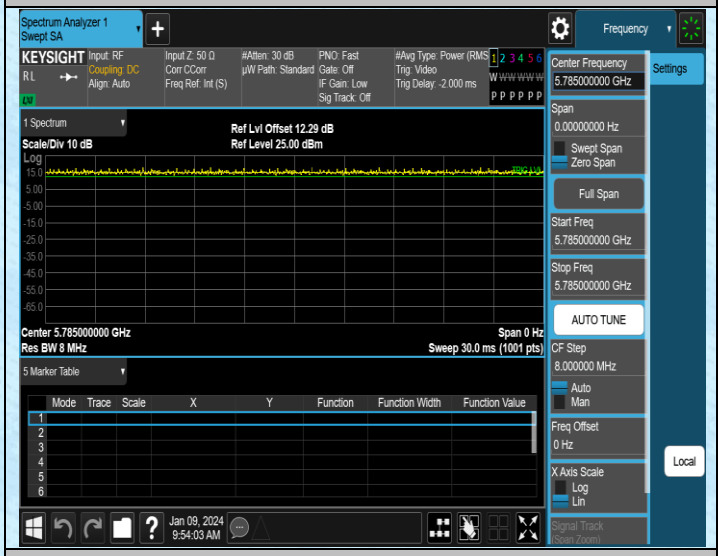
NTNV-11AC20MIMO-Ant4-5240



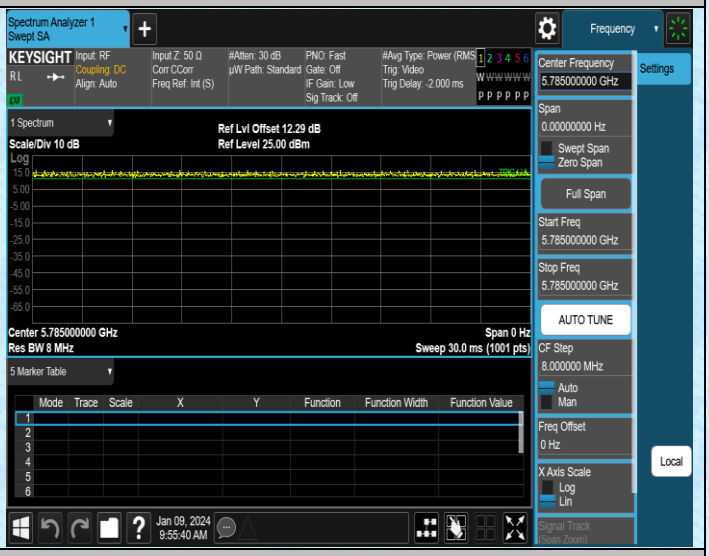
NTNV-11AC20MIMO-Ant3-5745



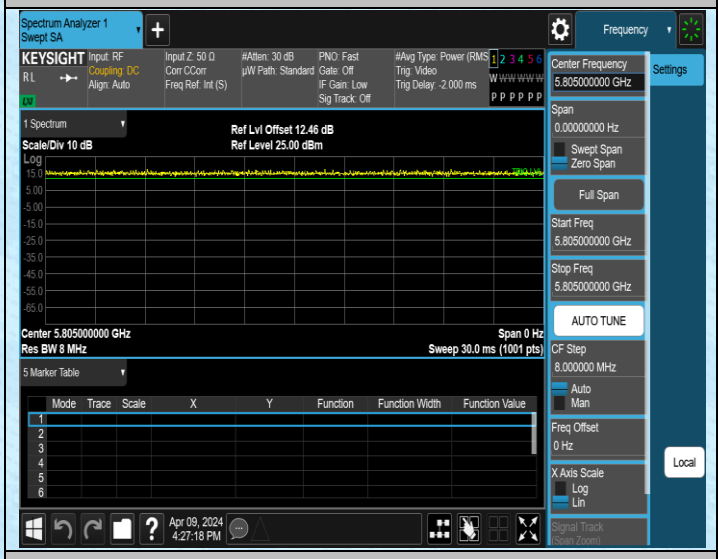
NTNV-11AC20MIMO-Ant4-5745



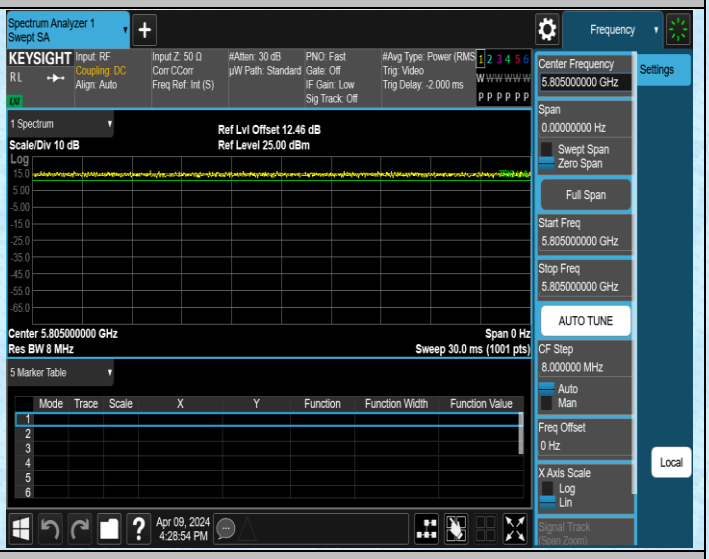
NTNV-11AC20MIMO-Ant3-5785



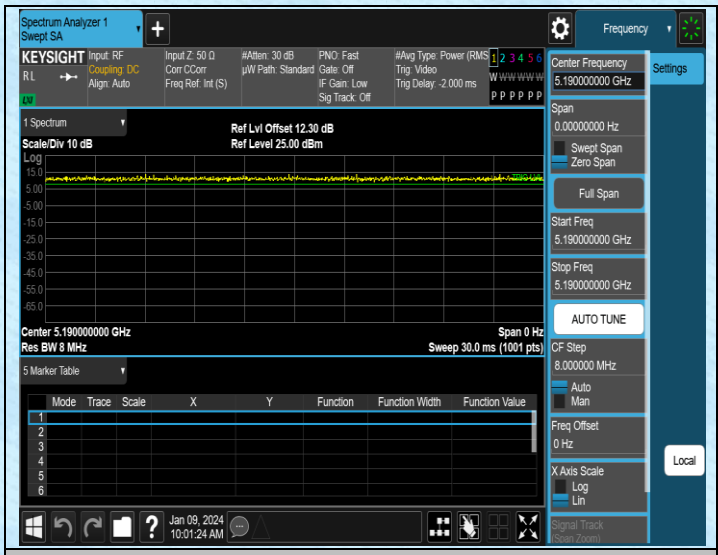
NTNV-11AC20MIMO-Ant4-5785



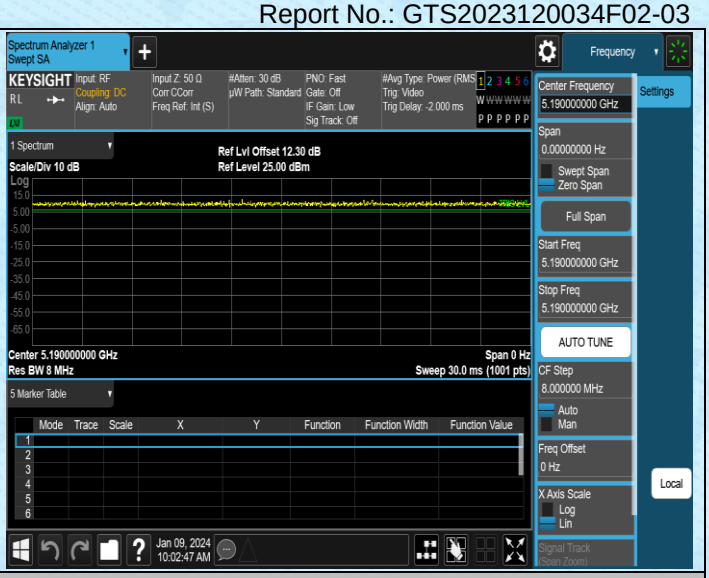
NTNV-11AC20MIMO-Ant3-5805



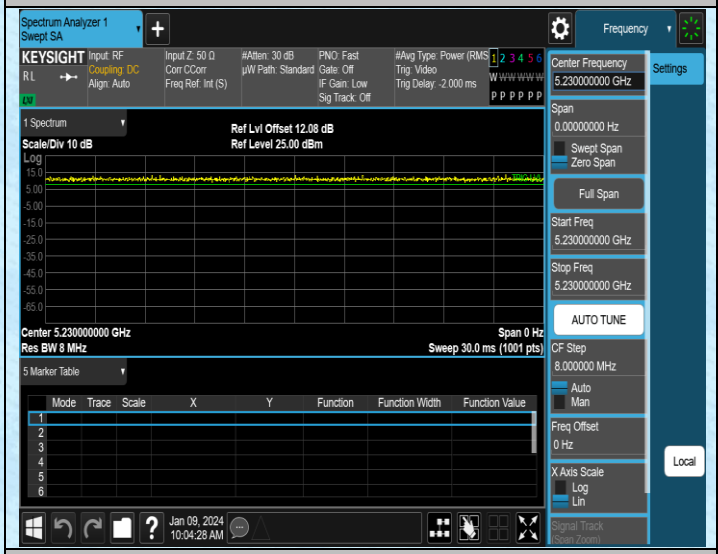
NTNV-11AC20MIMO-Ant4-5805



NTNV-11AC40MIMO-Ant3-5190

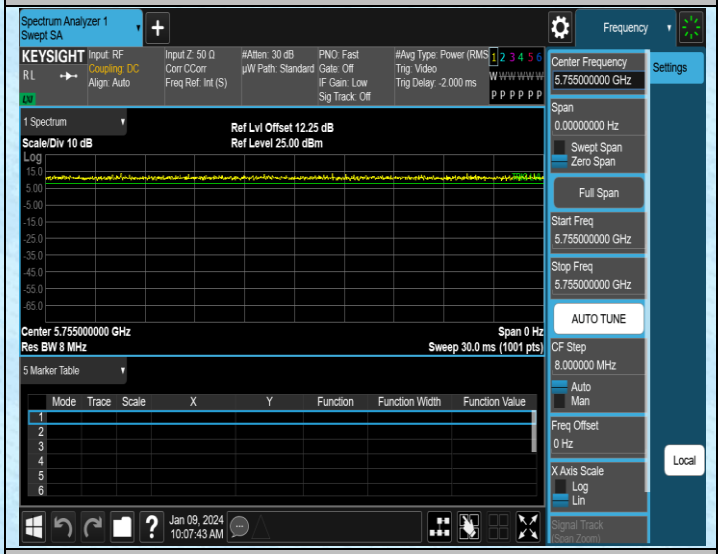


NTNV-11AC40MIMO-Ant4-5190



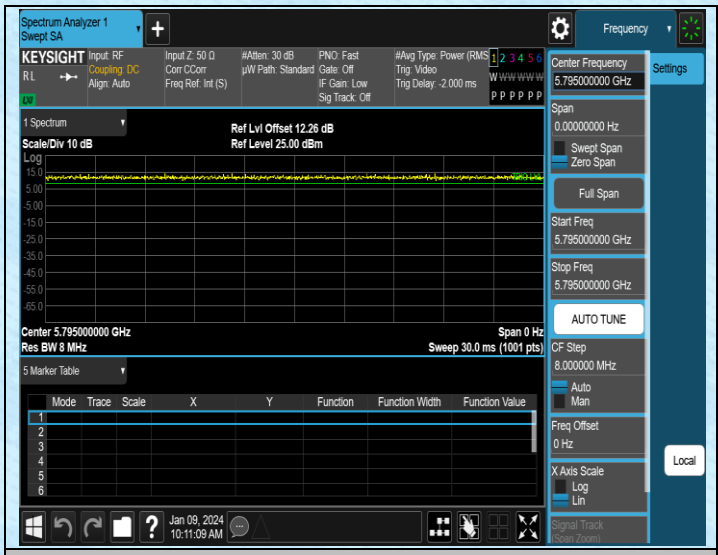
NTNV-11AC40MIMO-Ant3-5230

NTNV-11AC40MIMO-Ant4-5230

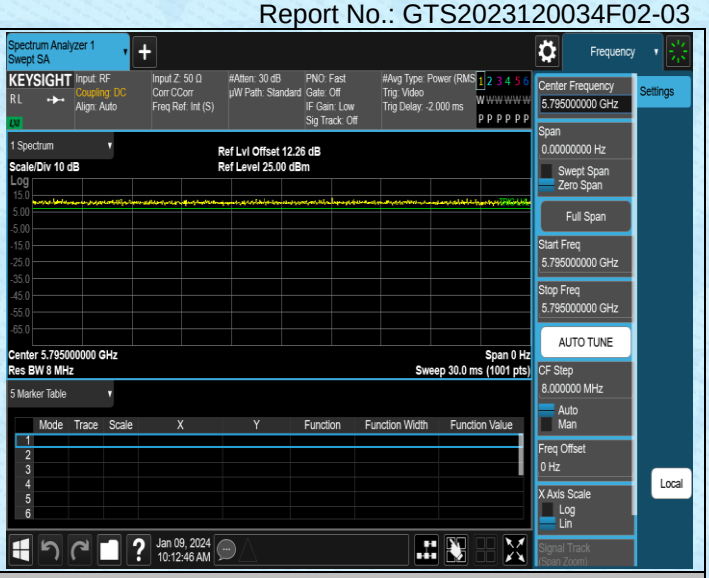


NTNV-11AC40MIMO-Ant3-5755

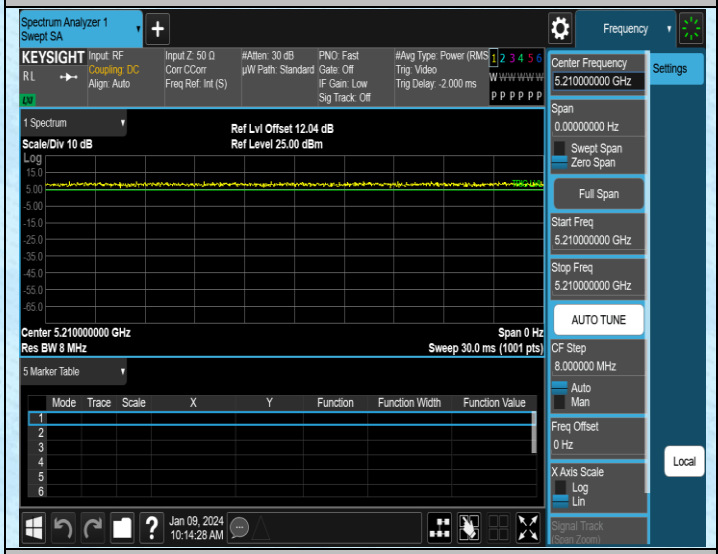
NTNV-11AC40MIMO-Ant4-5755



NTNV-11AC40MIMO-Ant3-5795

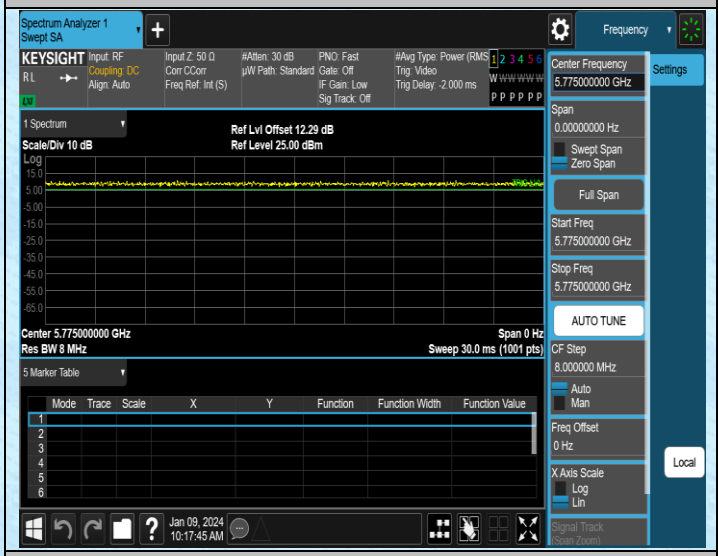


NTNV-11AC40MIMO-Ant4-5795



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 Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11N20SISO	Ant3	5180	MSC0	13.71	100	0	13.71	≤30.00	PASS
11N20SISO	Ant4	5180	MSC0	14.02	100	0	14.02	≤30.00	PASS
11N20SISO	Ant3	5200	MSC0	13.83	100	0	13.83	≤30.00	PASS
11N20SISO	Ant4	5200	MSC0	14.33	100	0	14.33	≤30.00	PASS
11N20SISO	Ant3	5240	MSC0	13.87	100	0	13.87	≤30.00	PASS
11N20SISO	Ant4	5240	MSC0	14.35	100	0	14.35	≤30.00	PASS
11N20SISO	Ant3	5745	MSC0	13.86	100	0	13.86	≤30.00	PASS
11N20SISO	Ant4	5745	MSC0	13.77	100	0	13.77	≤30.00	PASS
11N20SISO	Ant3	5785	MSC0	14.38	100	0	14.38	≤30.00	PASS
11N20SISO	Ant4	5785	MSC0	15.03	100	0	15.03	≤30.00	PASS
11N20SISO	Ant3	5805	MCS0	14.99	100	0	14.99	≤30.00	PASS
11N20SISO	Ant4	5805	MCS0	14.63	100	0	14.63	≤30.00	PASS
11AC20SISO	Ant3	5180	MSC0	14.22	100	0	14.22	≤30.00	PASS
11AC20SISO	Ant4	5180	MSC0	14.16	100	0	14.16	≤30.00	PASS
11AC20SISO	Ant3	5200	MSC0	14.36	100	0	14.36	≤30.00	PASS
11AC20SISO	Ant4	5200	MSC0	14.53	100	0	14.53	≤30.00	PASS
11AC20SISO	Ant3	5240	MSC0	14.46	100	0	14.46	≤30.00	PASS
11AC20SISO	Ant4	5240	MSC0	14.54	100	0	14.54	≤30.00	PASS
11AC20SISO	Ant3	5745	MSC0	14.61	100	0	14.61	≤30.00	PASS
11AC20SISO	Ant4	5745	MSC0	13.97	100	0	13.97	≤30.00	PASS
11AC20SISO	Ant3	5785	MSC0	15.12	100	0	15.12	≤30.00	PASS
11AC20SISO	Ant4	5785	MSC0	15.12	100	0	15.12	≤30.00	PASS
11AC20SISO	Ant3	5805	MCS0	14.90	100	0	14.90	≤30.00	PASS
11AC20SISO	Ant4	5805	MCS0	14.66	100	0	14.66	≤30.00	PASS
11AC40SISO	Ant3	5190	MSC0	14.67	100	0	14.67	≤30.00	PASS
11AC40SISO	Ant4	5190	MSC0	14.82	100	0	14.82	≤30.00	PASS
11AC40SISO	Ant3	5230	MSC0	14.84	100	0	14.84	≤30.00	PASS
11AC40SISO	Ant4	5230	MSC0	15.00	100	0	15.00	≤30.00	PASS
11AC40SISO	Ant3	5755	MSC0	15.18	100	0	15.18	≤30.00	PASS
11AC40SISO	Ant4	5755	MSC0	14.67	100	0	14.67	≤30.00	PASS
11AC40SISO	Ant3	5795	MSC0	15.68	100	0	15.68	≤30.00	PASS
11AC40SISO	Ant4	5795	MSC0	15.76	100	0	15.76	≤30.00	PASS
11AC80SISO	Ant3	5210	MSC0	14.51	100	0	14.51	≤30.00	PASS
11AC80SISO	Ant4	5210	MSC0	14.48	100	0	14.48	≤30.00	PASS
11AC80SISO	Ant3	5775	MSC0	15.13	100	0	15.13	≤30.00	PASS
11AC80SISO	Ant4	5775	MSC0	14.89	100	0	14.89	≤30.00	PASS
11N20MIMO	Ant3	5180	MSC0	12.02	100	0	12.02	≤30.00	PASS
11N20MIMO	Ant4	5180	MSC0	10.84	100	0	10.84	≤30.00	PASS

11N20MIMO	total	5180	---	---	---	---	14.48	≤30.00	PASS
11N20MIMO	Ant3	5200	MSC0	12.07	100	0	12.07	≤30.00	PASS
11N20MIMO	Ant4	5200	MSC0	10.92	100	0	10.92	≤30.00	PASS
11N20MIMO	total	5200	---	---	---	---	14.54	≤30.00	PASS
11N20MIMO	Ant3	5240	MSC0	12.21	100	0	12.21	≤30.00	PASS
11N20MIMO	Ant4	5240	MSC0	10.93	100	0	10.93	≤30.00	PASS
11N20MIMO	total	5240	---	---	---	---	14.63	≤30.00	PASS
11N20MIMO	Ant3	5745	MSC0	12.11	100	0	12.11	≤30.00	PASS
11N20MIMO	Ant4	5745	MSC0	10.18	100	0	10.18	≤30.00	PASS
11N20MIMO	total	5745	---	---	---	---	14.26	≤30.00	PASS
11N20MIMO	Ant3	5785	MSC0	12.69	100	0	12.69	≤30.00	PASS
11N20MIMO	Ant4	5785	MSC0	11.46	100	0	11.46	≤30.00	PASS
11N20MIMO	total	5785	---	---	---	---	15.13	≤30.00	PASS
11N20MIMO	Ant3	5805	MCS0	12.61	100	0	12.61	≤30.00	PASS
11N20MIMO	Ant4	5805	MCS0	11.53	100	0	11.53	≤30.00	PASS
11N20MIMO	total	5805	---	---	---	---	15.11	≤30.00	PASS
11AC20MIMO	Ant3	5180	MSC0	11.77	100	0	11.77	≤30.00	PASS
11AC20MIMO	Ant4	5180	MSC0	10.51	100	0	10.51	≤30.00	PASS
11AC20MIMO	total	5180	---	---	---	---	14.20	≤30.00	PASS
11AC20MIMO	Ant3	5200	MSC0	12.00	100	0	12.00	≤30.00	PASS
11AC20MIMO	Ant4	5200	MSC0	10.87	100	0	10.87	≤30.00	PASS
11AC20MIMO	total	5200	---	---	---	---	14.48	≤30.00	PASS
11AC20MIMO	Ant3	5240	MSC0	12.11	100	0	12.11	≤30.00	PASS
11AC20MIMO	Ant4	5240	MSC0	11.05	100	0	11.05	≤30.00	PASS
11AC20MIMO	total	5240	---	---	---	---	14.62	≤30.00	PASS
11AC20MIMO	Ant3	5745	MSC0	12.11	100	0	12.11	≤30.00	PASS
11AC20MIMO	Ant4	5745	MSC0	10.18	100	0	10.18	≤30.00	PASS
11AC20MIMO	total	5745	---	---	---	---	14.26	≤30.00	PASS
11AC20MIMO	Ant3	5785	MSC0	12.69	100	0	12.69	≤30.00	PASS
11AC20MIMO	Ant4	5785	MSC0	11.49	100	0	11.49	≤30.00	PASS
11AC20MIMO	total	5785	---	---	---	---	15.14	≤30.00	PASS
11AC20MIMO	Ant3	5805	MCS0	12.47	100	0	12.47	≤30.00	PASS
11AC20MIMO	Ant4	5805	MCS0	11.45	100	0	11.45	≤30.00	PASS
11AC20MIMO	total	5805	---	---	---	---	15.00	≤30.00	PASS
11AC40MIMO	Ant3	5190	MSC0	12.36	100	0	12.36	≤30.00	PASS
11AC40MIMO	Ant4	5190	MSC0	11.13	100	0	11.13	≤30.00	PASS
11AC40MIMO	total	5190	---	---	---	---	14.80	≤30.00	PASS
11AC40MIMO	Ant3	5230	MSC0	12.61	100	0	12.61	≤30.00	PASS
11AC40MIMO	Ant4	5230	MSC0	11.39	100	0	11.39	≤30.00	PASS
11AC40MIMO	total	5230	---	---	---	---	15.05	≤30.00	PASS
11AC40MIMO	Ant3	5755	MSC0	12.75	100	0	12.75	≤30.00	PASS
11AC40MIMO	Ant4	5755	MSC0	10.98	100	0	10.98	≤30.00	PASS
11AC40MIMO	total	5755	---	---	---	---	14.96	≤30.00	PASS
11AC40MIMO	Ant3	5795	MSC0	13.29	100	0	13.29	≤30.00	PASS
11AC40MIMO	Ant4	5795	MSC0	12.19	100	0	12.19	≤30.00	PASS

11AC40MIMO	total	5795	---	---	---	---	15.79	≤30.00	PASS
11AC80MIMO	Ant3	5210	MSC0	11.98	100	0	11.98	≤30.00	PASS
11AC80MIMO	Ant4	5210	MSC0	11.03	100	0	11.03	≤30.00	PASS
11AC80MIMO	total	5210	---	---	---	---	14.54	≤30.00	PASS
11AC80MIMO	Ant3	5775	MSC0	12.69	100	0	12.69	≤30.00	PASS
11AC80MIMO	Ant4	5775	MSC0	11.33	100	0	11.33	≤30.00	PASS
11AC80MIMO	total	5775	---	---	---	---	15.07	≤30.00	PASS

AppendixD: Maximum power spectral density

Test Result

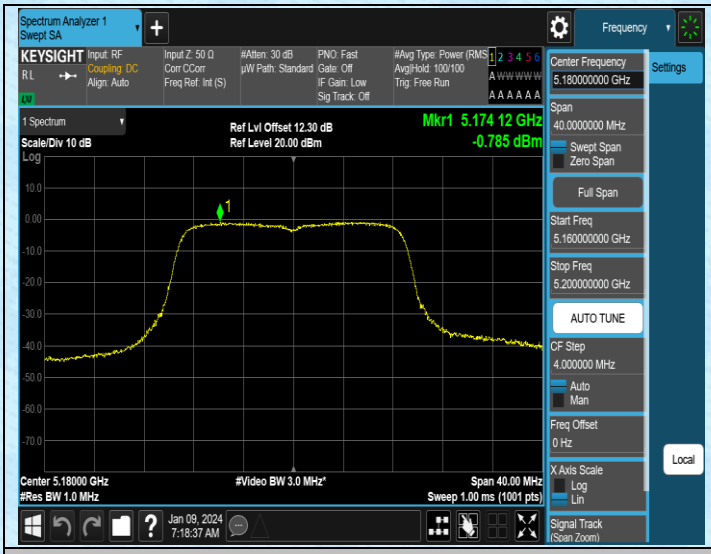
Test Mode	Antenna	Frequency[MHz]	Rate	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11N20SISO	Ant3	5180	MCS0	-0.79	≤17.00	PASS
11N20SISO	Ant4	5180	MCS0	0.61	≤17.00	PASS
11N20SISO	Ant3	5200	MCS0	-0.76	≤17.00	PASS
11N20SISO	Ant4	5200	MCS0	0.76	≤17.00	PASS
11N20SISO	Ant3	5240	MCS0	0.6	≤17.00	PASS
11N20SISO	Ant4	5240	MCS0	1.17	≤17.00	PASS
11N20SISO	Ant3	5745	MCS0	-2.33	≤30.00	PASS
11N20SISO	Ant4	5745	MCS0	-2.23	≤30.00	PASS
11N20SISO	Ant3	5785	MCS0	-1.99	≤30.00	PASS
11N20SISO	Ant4	5785	MCS0	-1.21	≤30.00	PASS
11N20SISO	Ant3	5805	MCS0	-1.47	≤30.00	PASS
11N20SISO	Ant4	5805	MCS0	-1.75	≤30.00	PASS
11AC20SISO	Ant3	5180	MCS0	0.77	≤17.00	PASS
11AC20SISO	Ant4	5180	MCS0	0.7	≤17.00	PASS
11AC20SISO	Ant3	5200	MCS0	0.68	≤17.00	PASS
11AC20SISO	Ant4	5200	MCS0	0.8	≤17.00	PASS
11AC20SISO	Ant3	5240	MCS0	1.3	≤17.00	PASS
11AC20SISO	Ant4	5240	MCS0	1.64	≤17.00	PASS
11AC20SISO	Ant3	5745	MCS0	-1.54	≤30.00	PASS
11AC20SISO	Ant4	5745	MCS0	-2.15	≤30.00	PASS
11AC20SISO	Ant3	5785	MCS0	-1.2	≤30.00	PASS
11AC20SISO	Ant4	5785	MCS0	-1.02	≤30.00	PASS
11AC20SISO	Ant3	5805	MCS0	-1.58	≤30.00	PASS
11AC20SISO	Ant4	5805	MCS0	-1.82	≤30.00	PASS
11AC40SISO	Ant3	5190	MCS0	-2.17	≤17.00	PASS
11AC40SISO	Ant4	5190	MCS0	-1.9	≤17.00	PASS
11AC40SISO	Ant3	5230	MCS0	-2.11	≤17.00	PASS
11AC40SISO	Ant4	5230	MCS0	-1.94	≤17.00	PASS
11AC40SISO	Ant3	5755	MCS0	-4.43	≤30.00	PASS
11AC40SISO	Ant4	5755	MCS0	-4.54	≤30.00	PASS
11AC40SISO	Ant3	5795	MCS0	-4.01	≤30.00	PASS
11AC40SISO	Ant4	5795	MCS0	-4.01	≤30.00	PASS

11AC80SISO	Ant3	5210	MCS0	-4.56	≤17.00	PASS
11AC80SISO	Ant4	5210	MCS0	-4.8	≤17.00	PASS
11AC80SISO	Ant3	5775	MCS0	-6.42	≤30.00	PASS
11AC80SISO	Ant4	5775	MCS0	-6.79	≤30.00	PASS
11N20MIMO	Ant3	5180	MCS0	-1.27	≤17.00	PASS
11N20MIMO	Ant4	5180	MCS0	-2.41	≤17.00	PASS
11N20MIMO	total	5180	MCS0	1.21	≤17.00	PASS
11N20MIMO	Ant3	5200	MCS0	-1.6	≤17.00	PASS
11N20MIMO	Ant4	5200	MCS0	-2.98	≤17.00	PASS
11N20MIMO	total	5200	MCS0	0.77	≤17.00	PASS
11N20MIMO	Ant3	5240	MCS0	-0.92	≤17.00	PASS
11N20MIMO	Ant4	5240	MCS0	-2.19	≤17.00	PASS
11N20MIMO	total	5240	MCS0	1.50	≤17.00	PASS
11N20MIMO	Ant3	5745	MCS0	-4.1	≤30.00	PASS
11N20MIMO	Ant4	5745	MCS0	-5.96	≤30.00	PASS
11N20MIMO	total	5745	MCS0	-1.92	≤30.00	PASS
11N20MIMO	Ant3	5785	MCS0	-3.62	≤30.00	PASS
11N20MIMO	Ant4	5785	MCS0	-5.04	≤30.00	PASS
11N20MIMO	total	5785	MCS0	-1.26	≤30.00	PASS
11N20MIMO	Ant3	5805	MCS0	-4.16	≤30.00	PASS
11N20MIMO	Ant4	5805	MCS0	-4.94	≤30.00	PASS
11N20MIMO	total	5805	MCS0	-1.52	≤30.00	PASS
11AC20MIMO	Ant3	5180	MCS0	-1.51	≤17.00	PASS
11AC20MIMO	Ant4	5180	MCS0	-3	≤17.00	PASS
11AC20MIMO	total	5180	MCS0	0.82	≤17.00	PASS
11AC20MIMO	Ant3	5200	MCS0	-1.47	≤17.00	PASS
11AC20MIMO	Ant4	5200	MCS0	-2.57	≤17.00	PASS
11AC20MIMO	total	5200	MCS0	1.03	≤17.00	PASS
11AC20MIMO	Ant3	5240	MCS0	-1.18	≤17.00	PASS
11AC20MIMO	Ant4	5240	MCS0	-1.95	≤17.00	PASS
11AC20MIMO	total	5240	MCS0	1.46	≤17.00	PASS
11AC20MIMO	Ant3	5745	MCS0	-3.97	≤30.00	PASS
11AC20MIMO	Ant4	5745	MCS0	-6.07	≤30.00	PASS
11AC20MIMO	total	5745	MCS0	-1.88	≤30.00	PASS
11AC20MIMO	Ant3	5785	MCS0	-3.55	≤30.00	PASS
11AC20MIMO	Ant4	5785	MCS0	-4.8	≤30.00	PASS
11AC20MIMO	total	5785	MCS0	-1.12	≤30.00	PASS
11AC20MIMO	Ant3	5805	MCS0	-4.18	≤30.00	PASS
11AC20MIMO	Ant4	5805	MCS0	-4.92	≤30.00	PASS
11AC20MIMO	total	5805	MCS0	-1.52	≤30.00	PASS
11AC40MIMO	Ant3	5190	MCS0	-4.25	≤17.00	PASS
11AC40MIMO	Ant4	5190	MCS0	-5.83	≤17.00	PASS
11AC40MIMO	total	5190	MCS0	-1.96	≤17.00	PASS
11AC40MIMO	Ant3	5230	MCS0	-4.55	≤17.00	PASS
11AC40MIMO	Ant4	5230	MCS0	-5.57	≤17.00	PASS

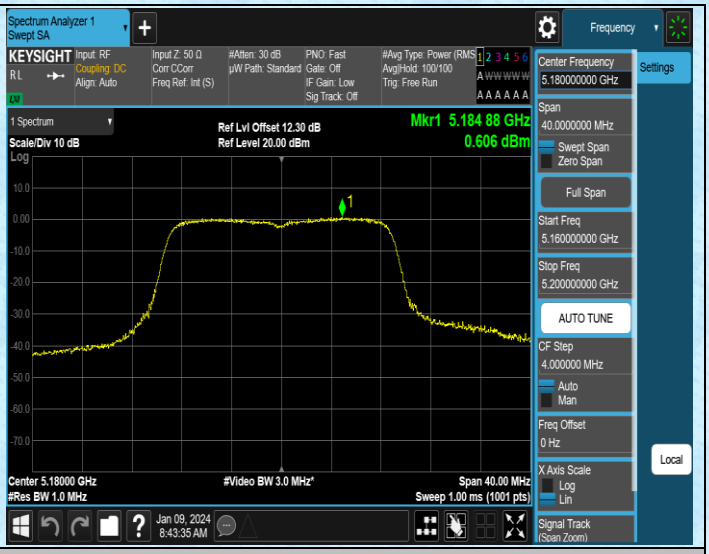
11AC40MIMO	total	5230	MCS0	-2.02	≤17.00	PASS
11AC40MIMO	Ant3	5755	MCS0	-6.83	≤30.00	PASS
11AC40MIMO	Ant4	5755	MCS0	-8.56	≤30.00	PASS
11AC40MIMO	total	5755	MCS0	-4.60	≤30.00	PASS
11AC40MIMO	Ant3	5795	MCS0	-6.5	≤30.00	PASS
11AC40MIMO	Ant4	5795	MCS0	-7.5	≤30.00	PASS
11AC40MIMO	total	5795	MCS0	-3.96	≤30.00	PASS
11AC80MIMO	Ant3	5210	MCS0	-7.12	≤17.00	PASS
11AC80MIMO	Ant4	5210	MCS0	-8.48	≤17.00	PASS
11AC80MIMO	total	5210	MCS0	-4.74	≤17.00	PASS
11AC80MIMO	Ant3	5775	MCS0	-9.11	≤30.00	PASS
11AC80MIMO	Ant4	5775	MCS0	-10.5	≤30.00	PASS
11AC80MIMO	total	5775	MCS0	-6.74	≤30.00	PASS

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

Test Graphs



11N20SISO-Ant3-5180-PASS



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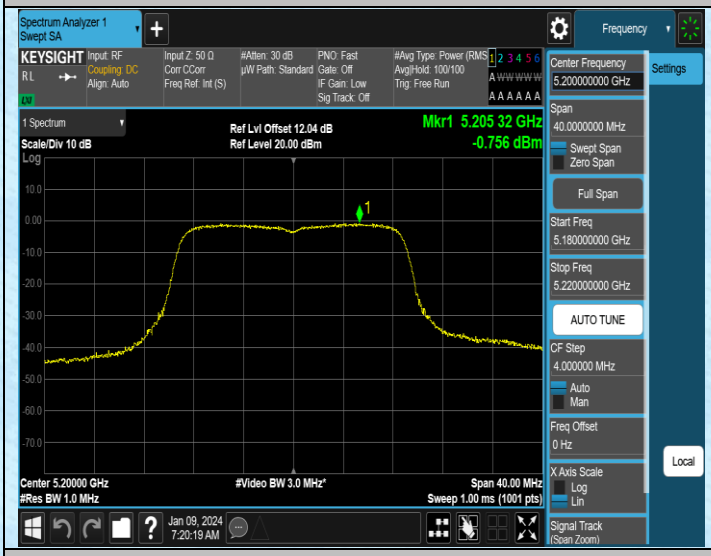

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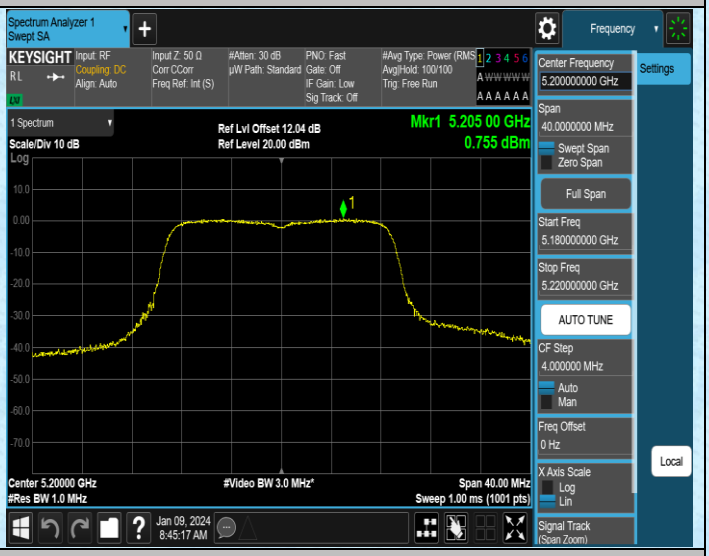

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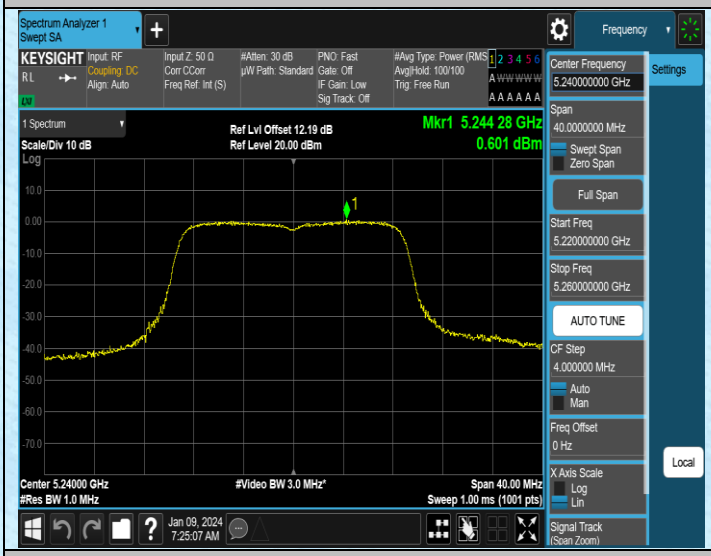

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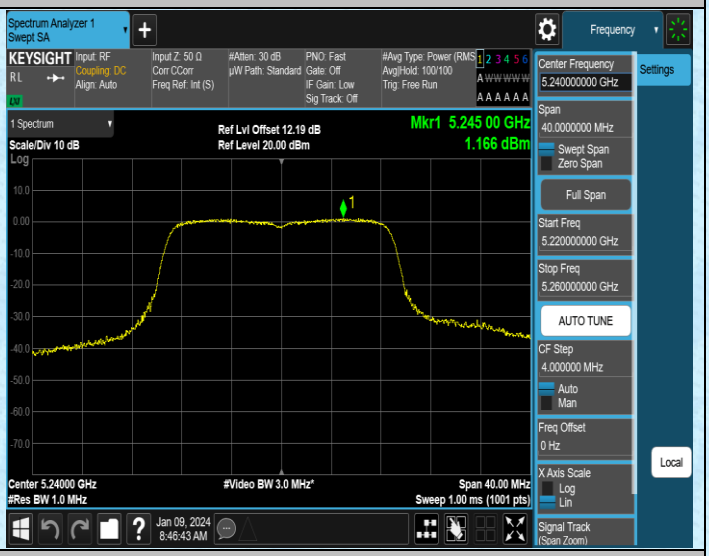

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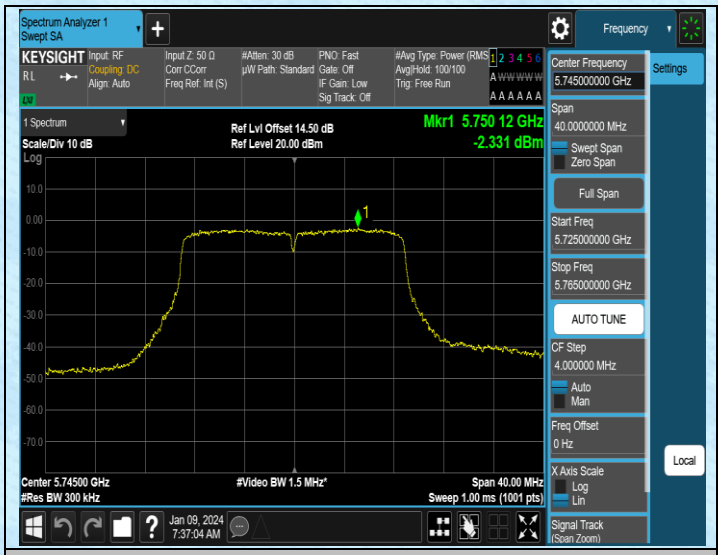

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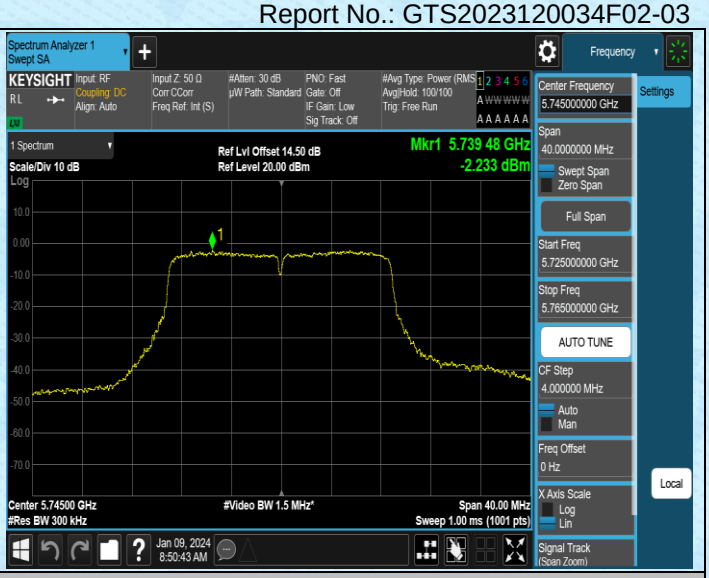

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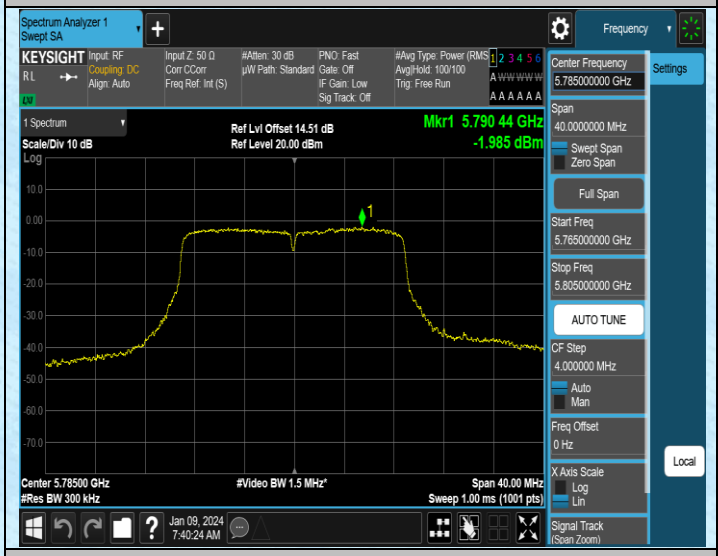

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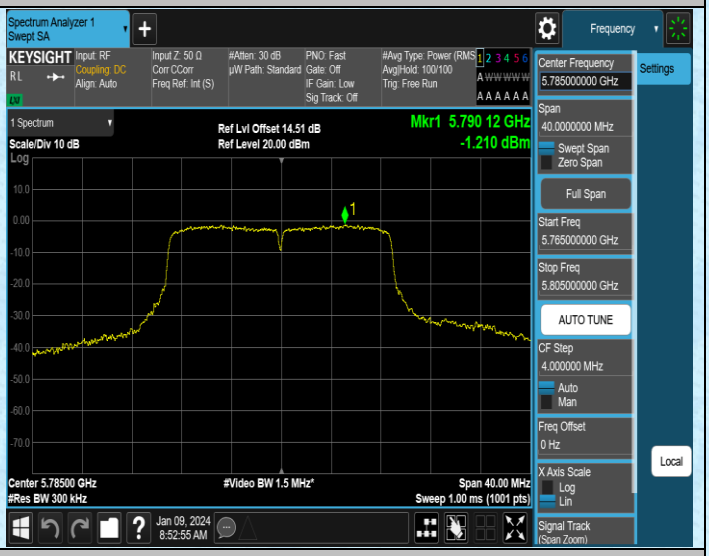

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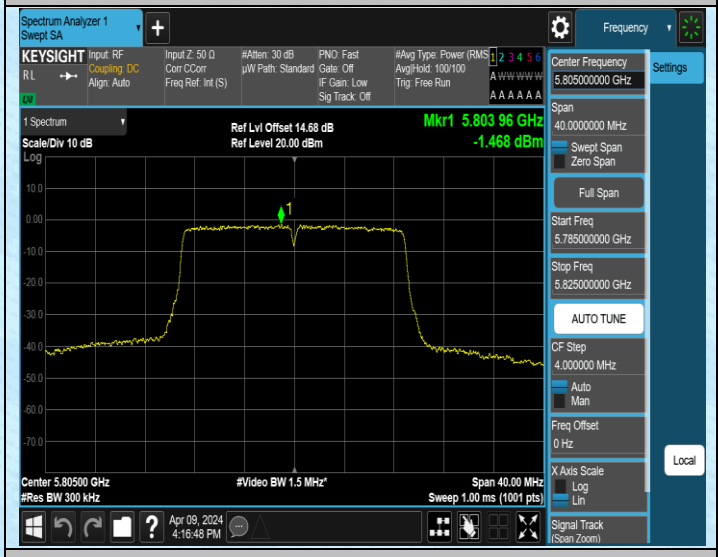

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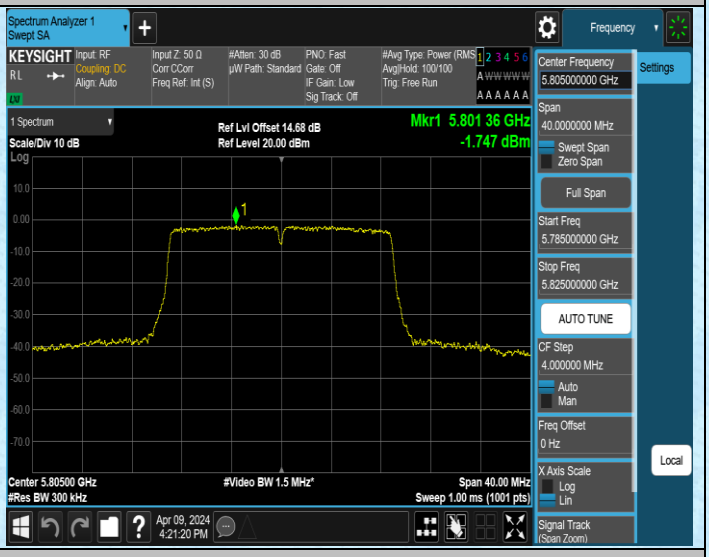

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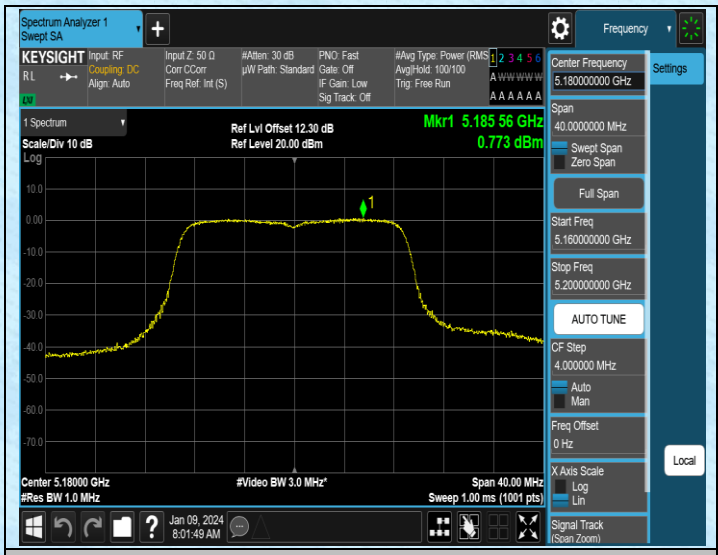

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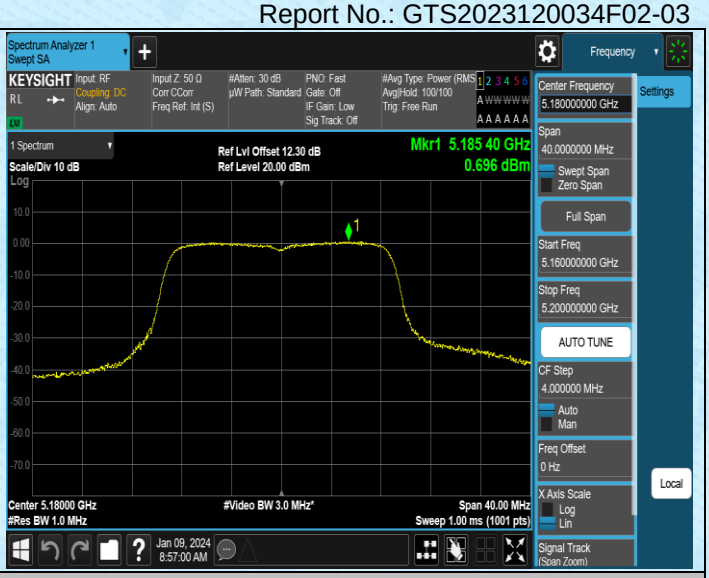

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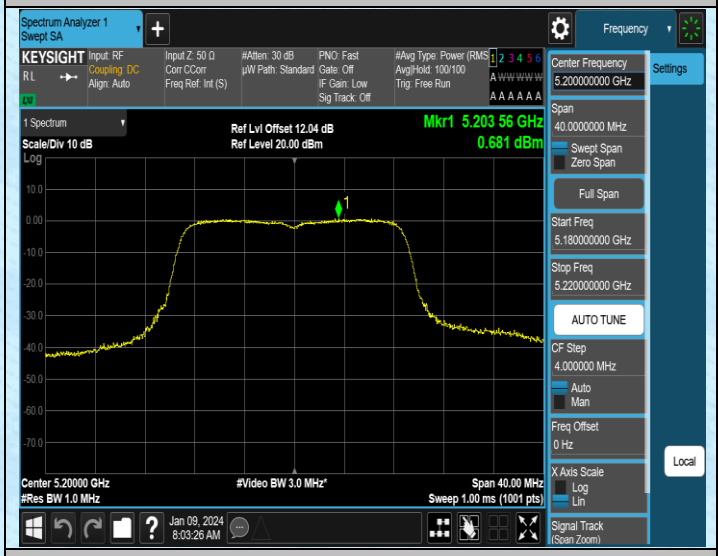

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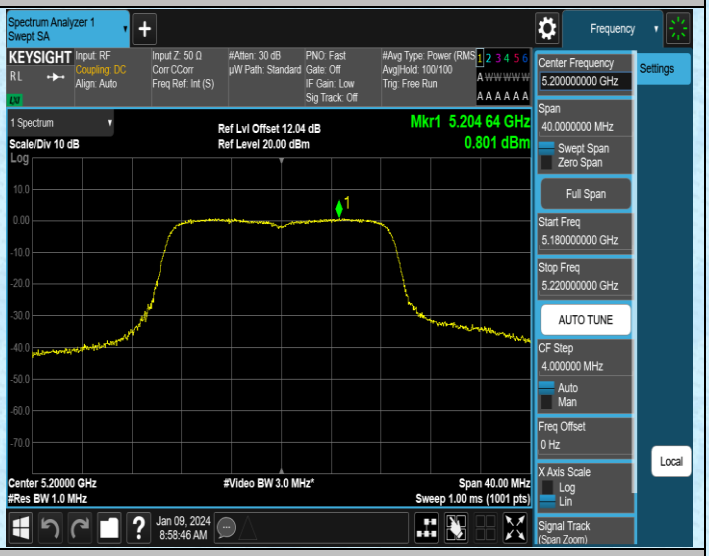

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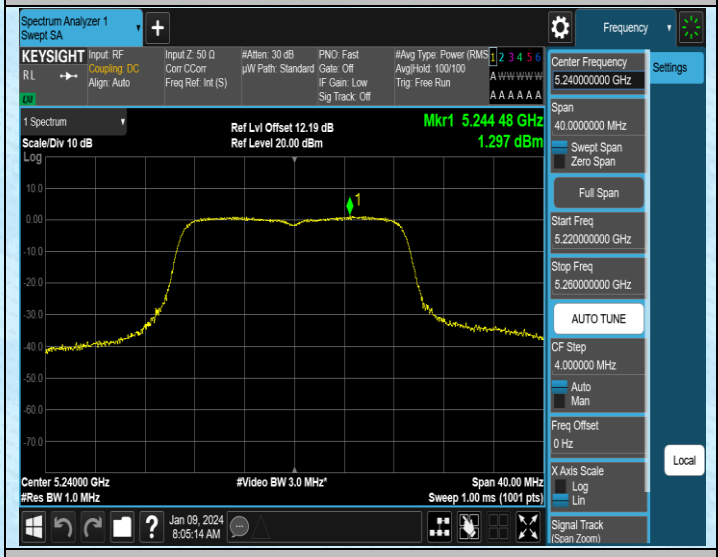

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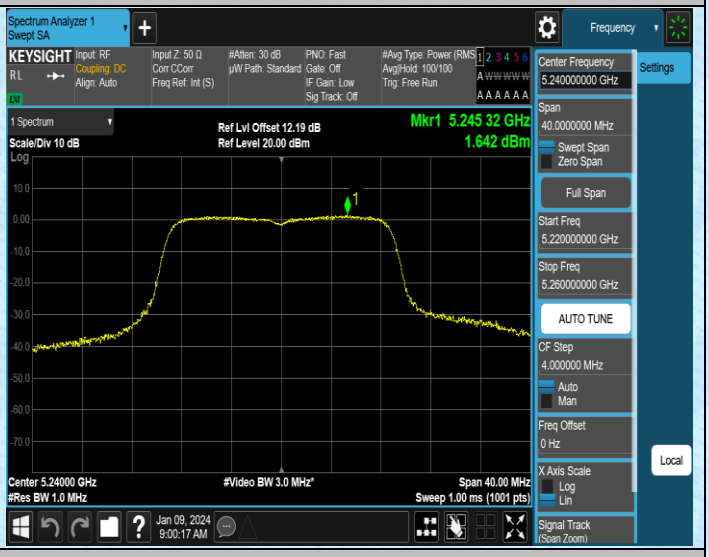

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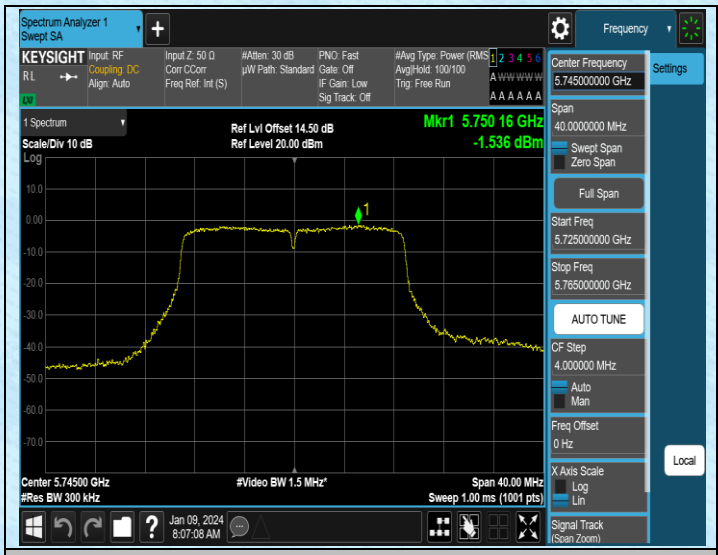

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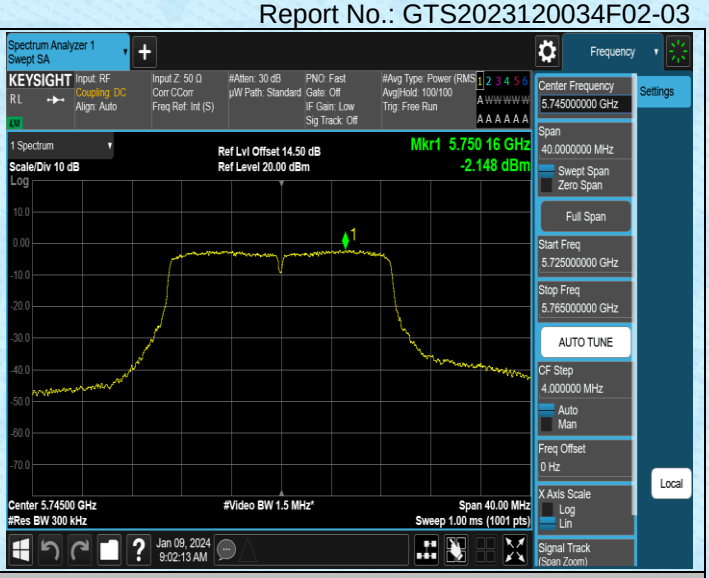

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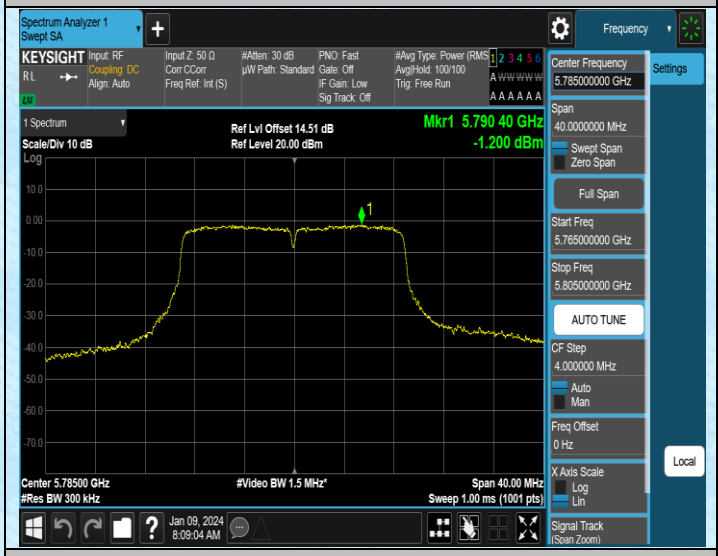

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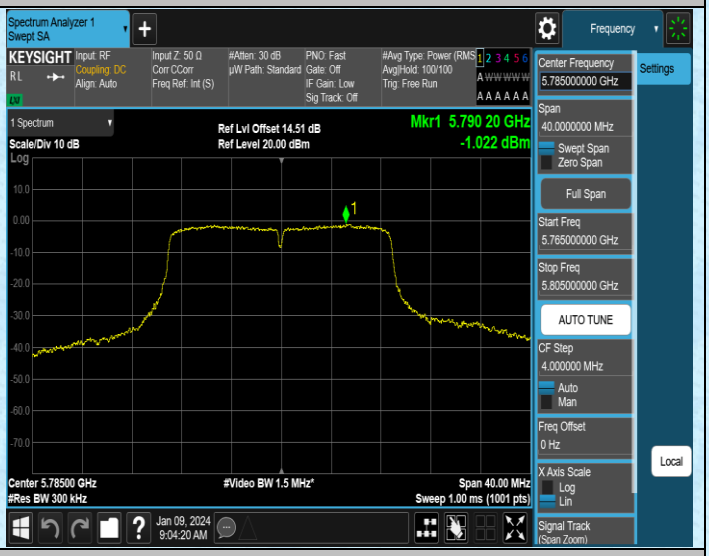

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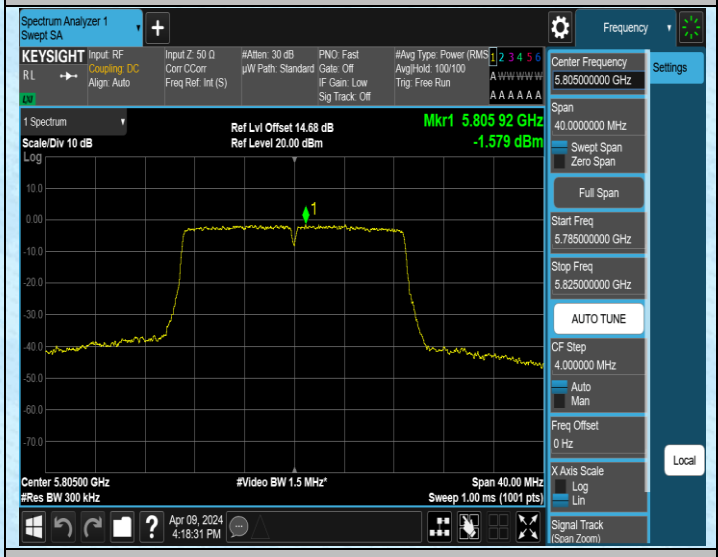

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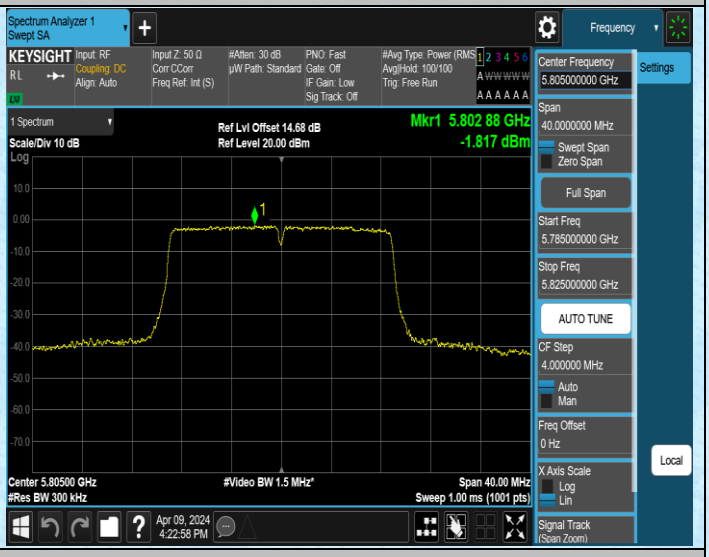

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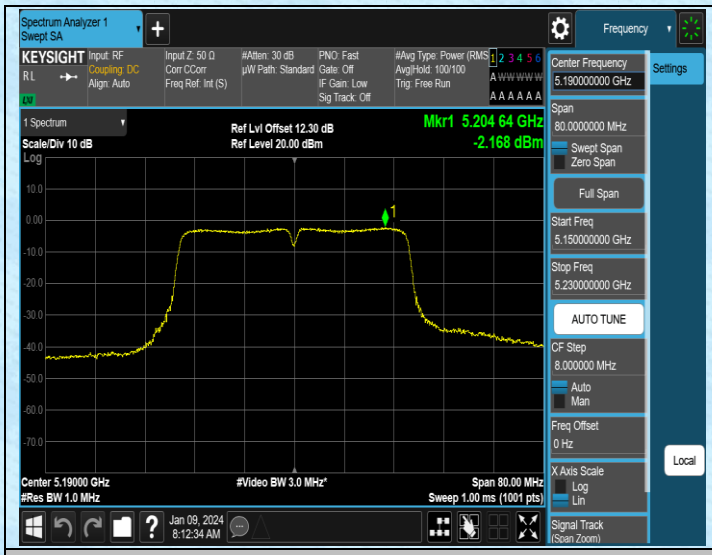

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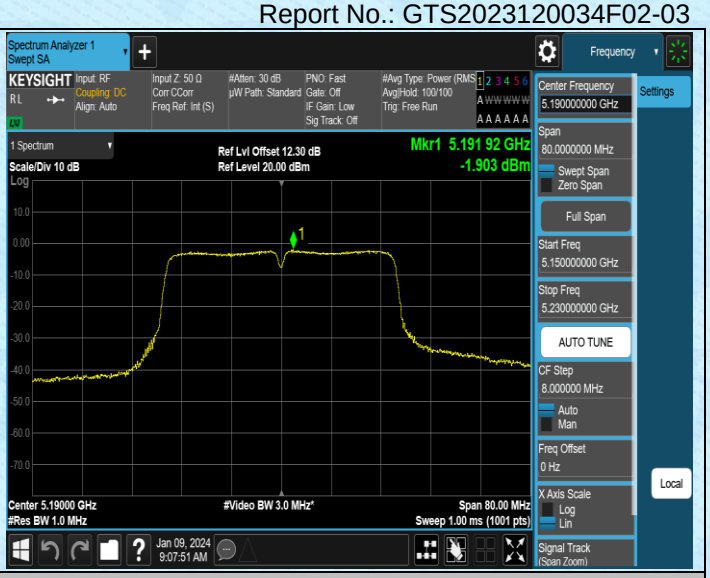

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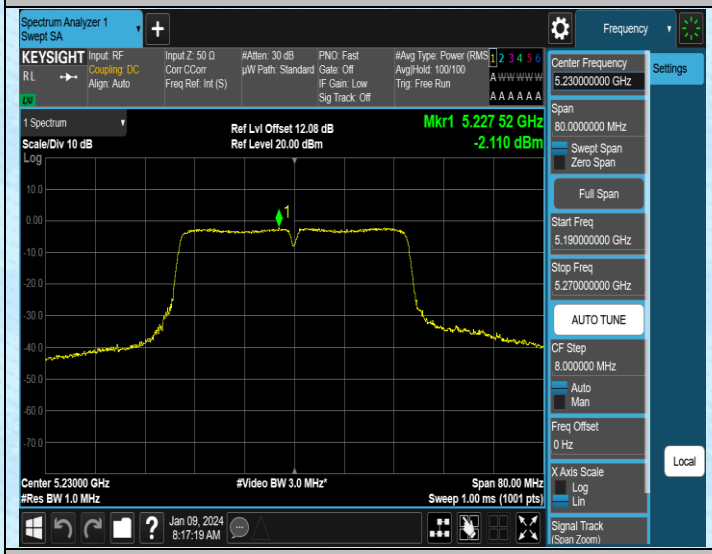

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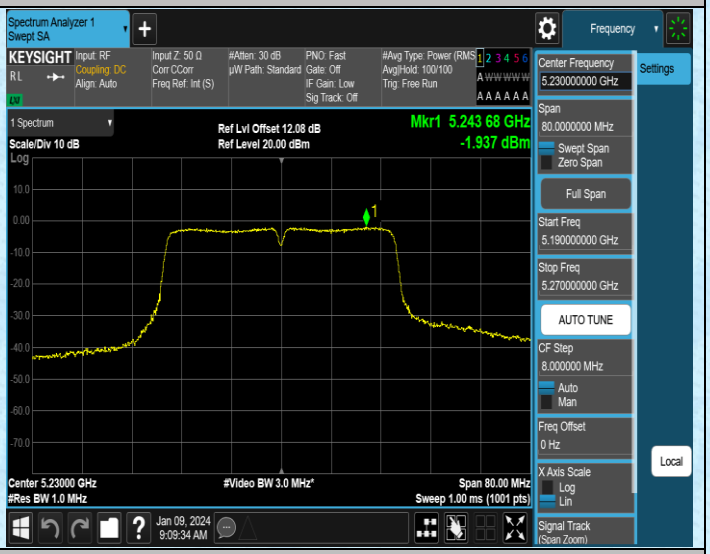

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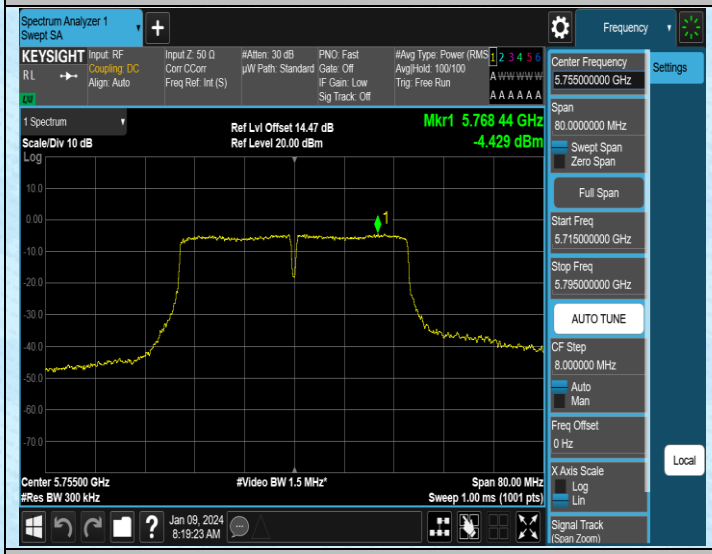

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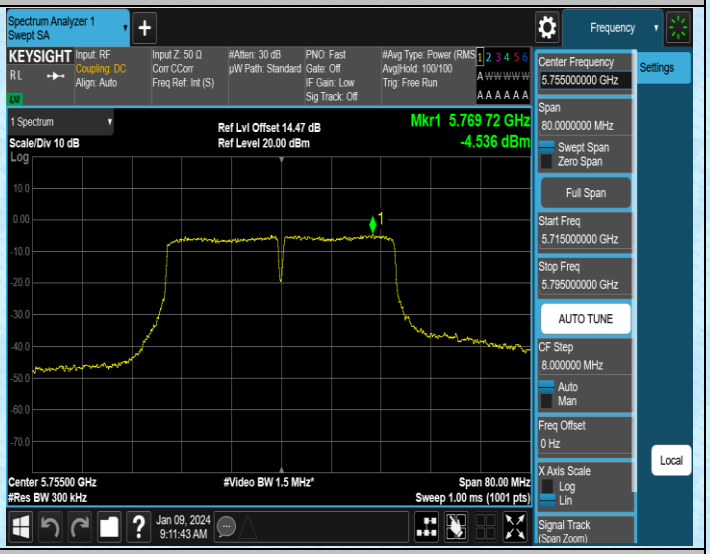

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