



11AC40MIMO-Ant3-5755-PASS



11AC40MIMO-Ant4-5755-PASS



11AC40MIMO-Ant3-5795-PASS



11AC40MIMO-Ant4-5795-PASS



11AC80MIMO-Ant3-5775-PASS



11AC80MIMO-Ant4-5775-PASS

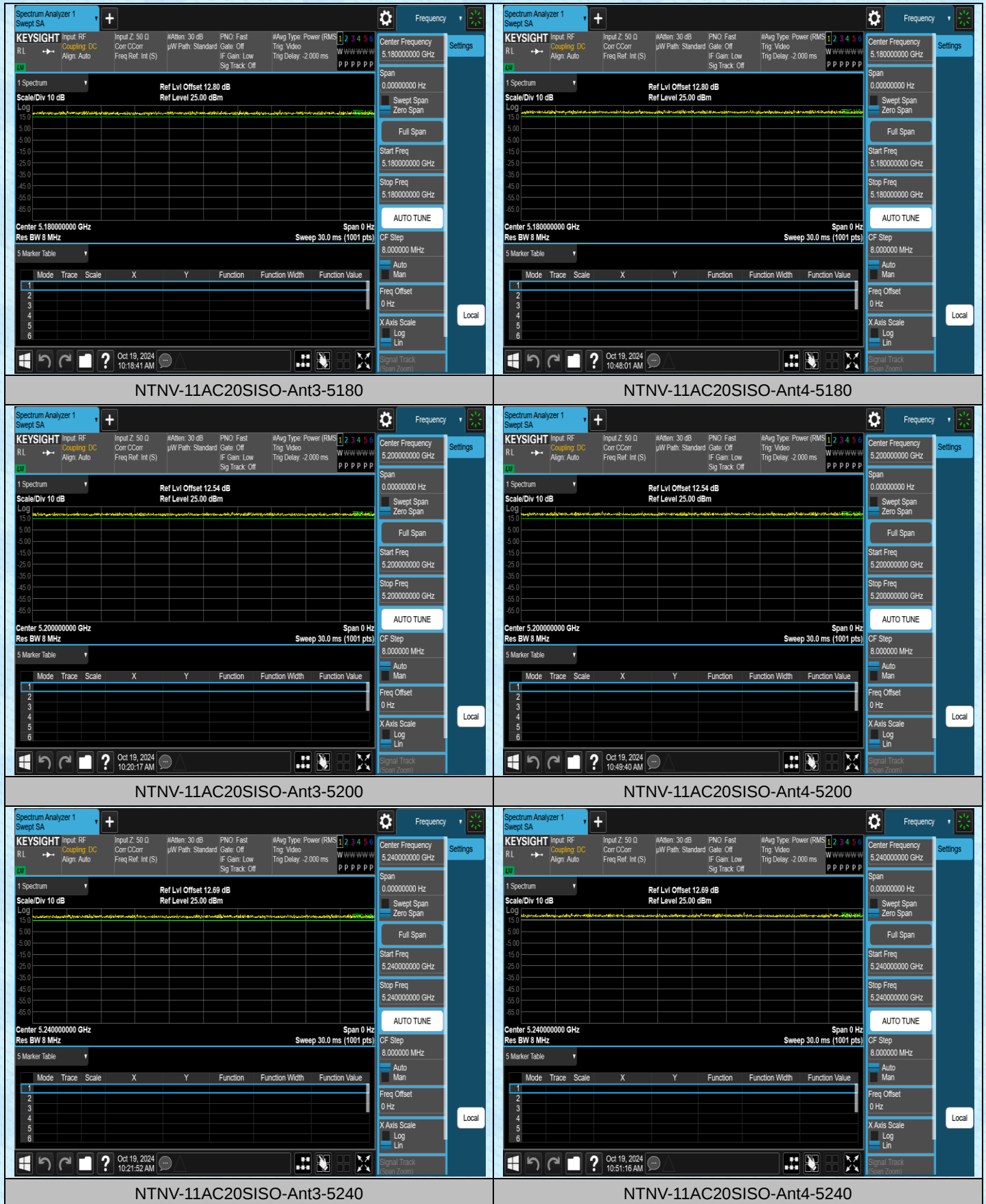
AppendixB: Duty Cycle

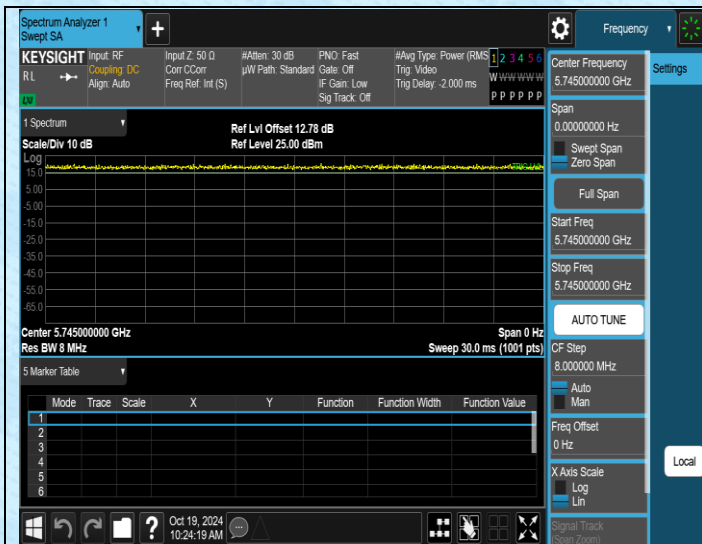
Test Result

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

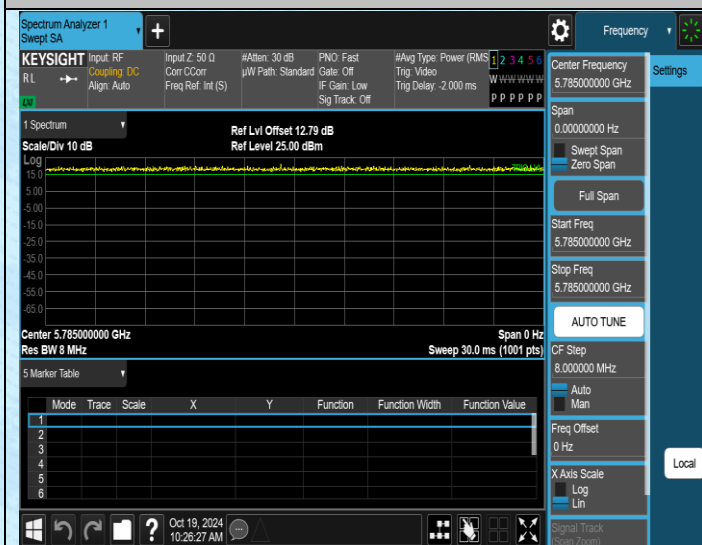




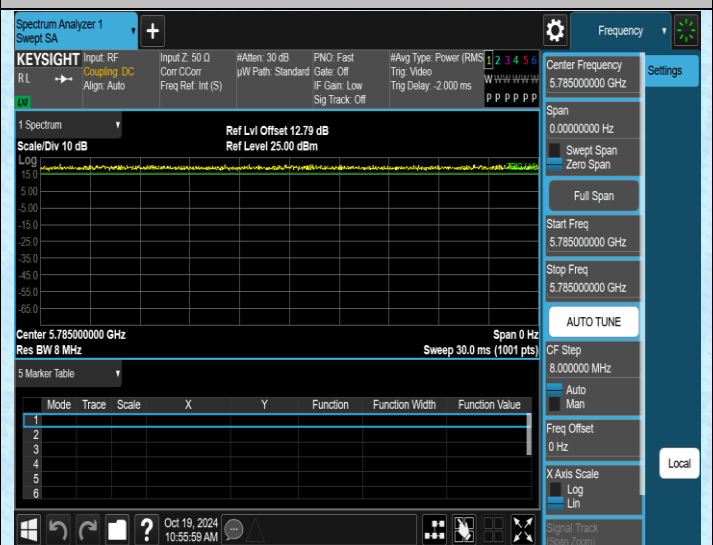
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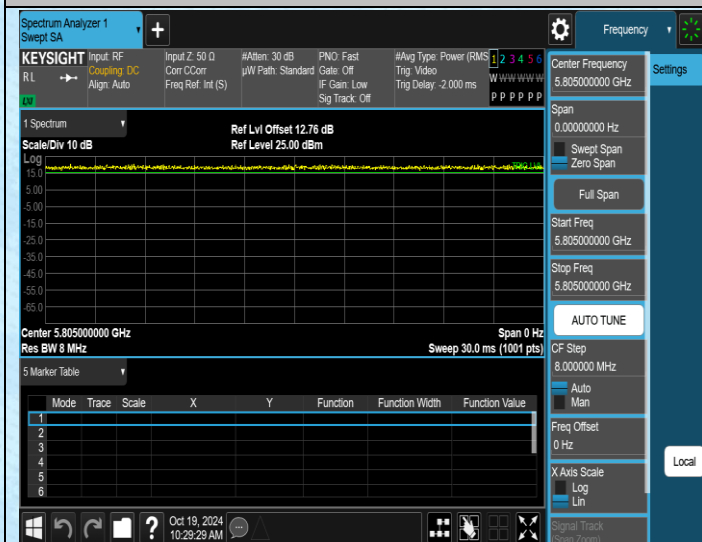
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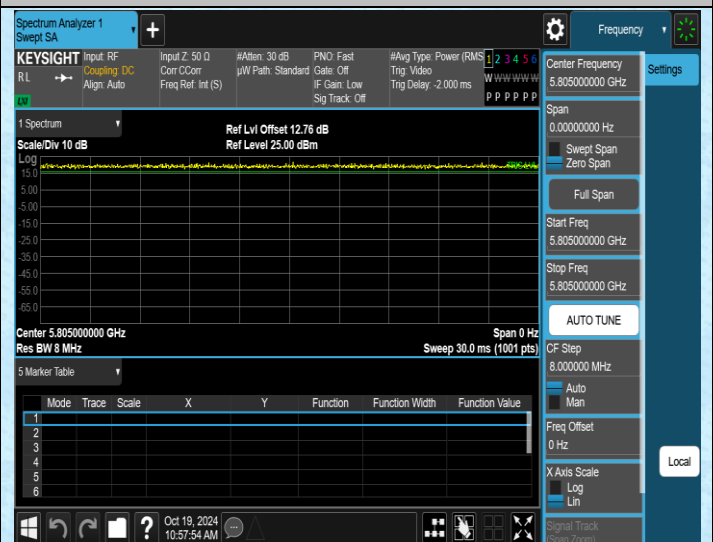
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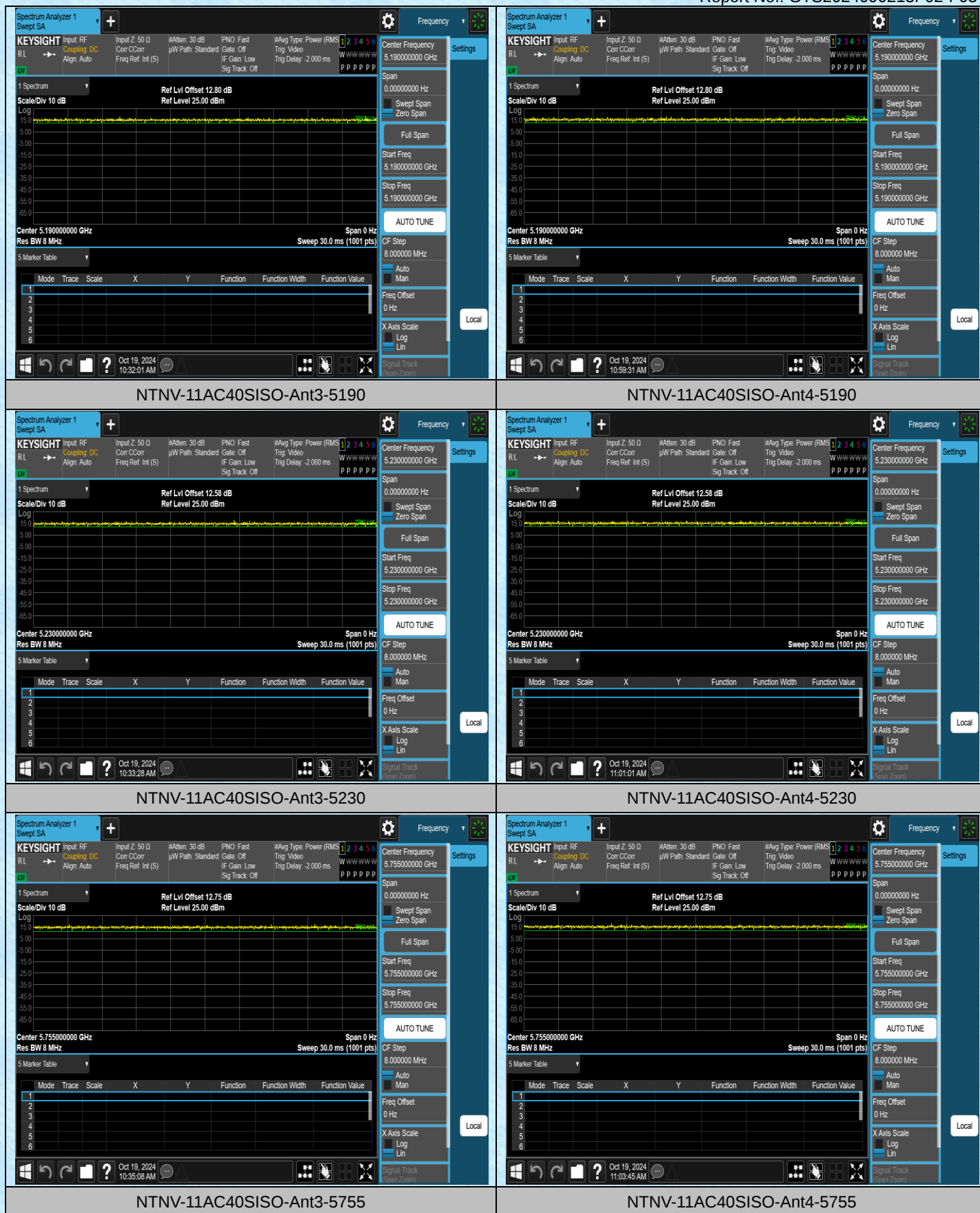
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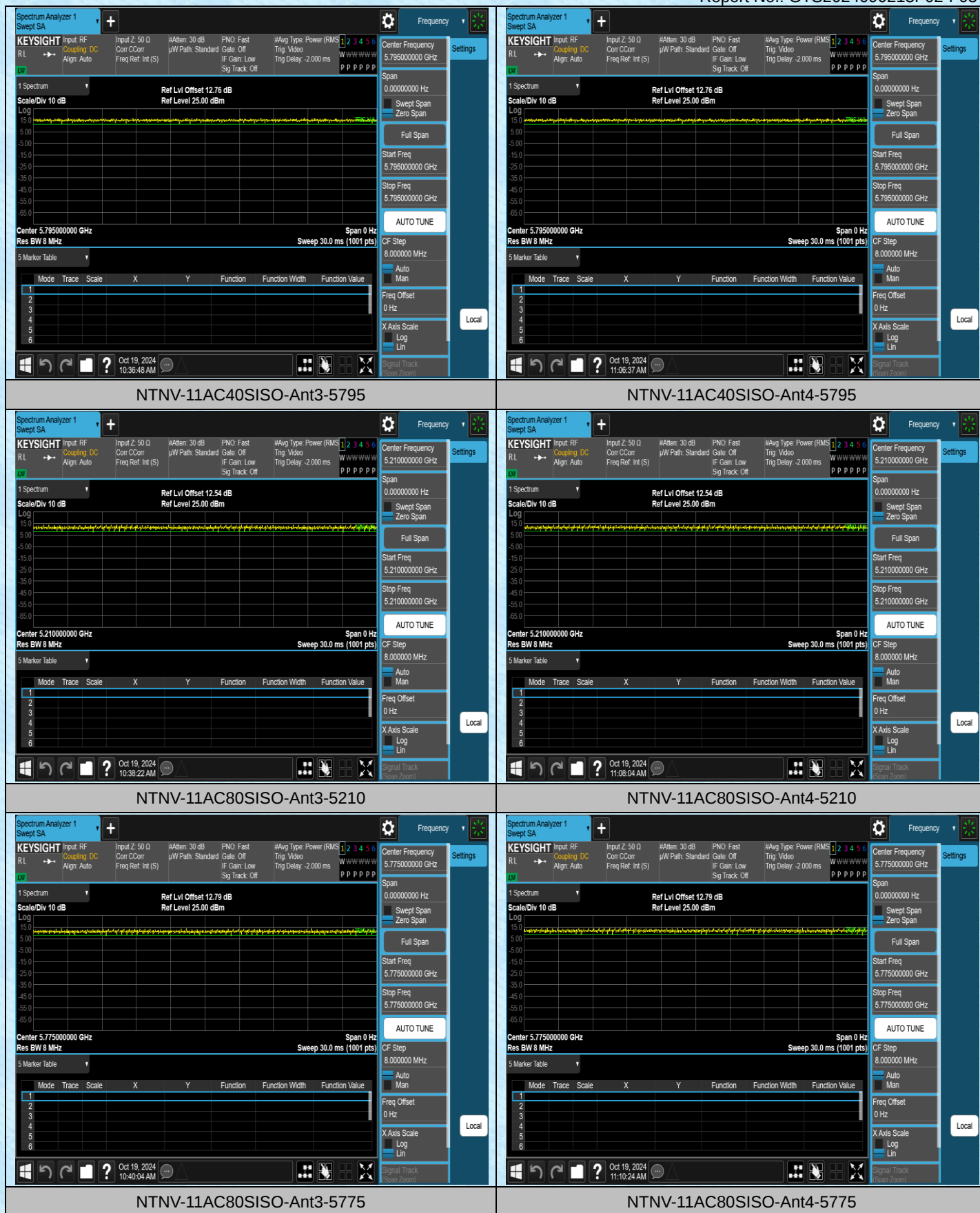


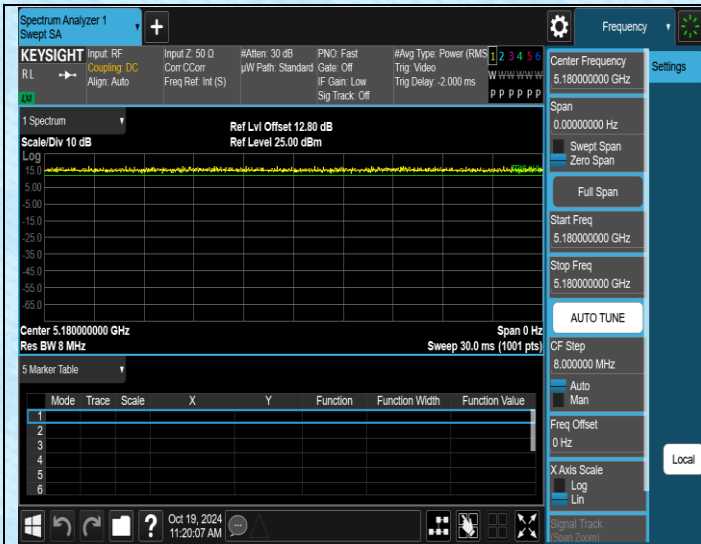
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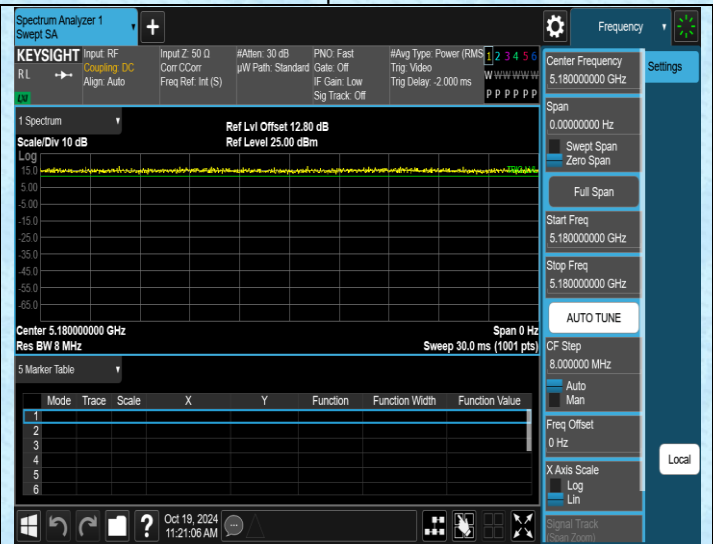
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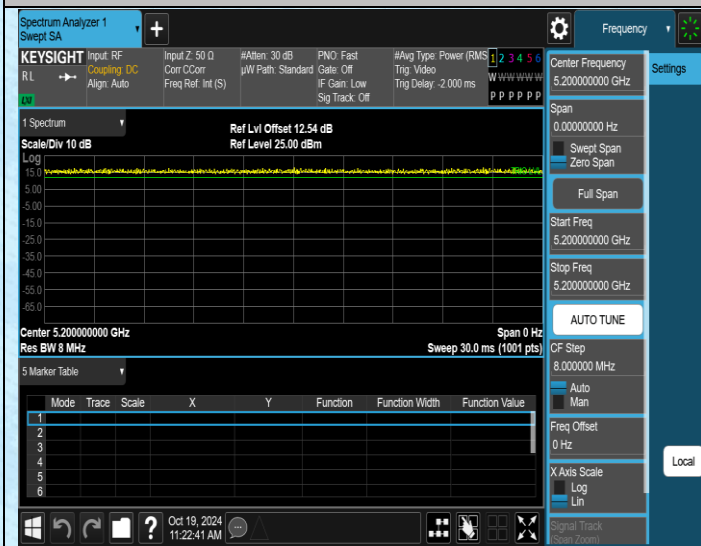




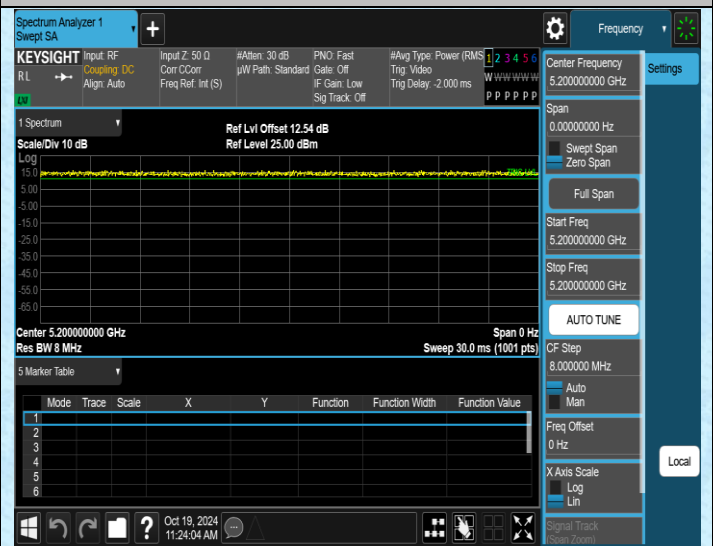
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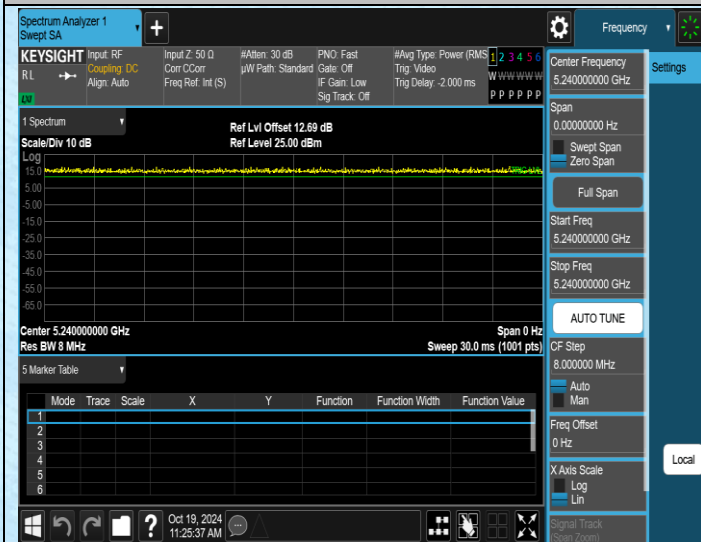
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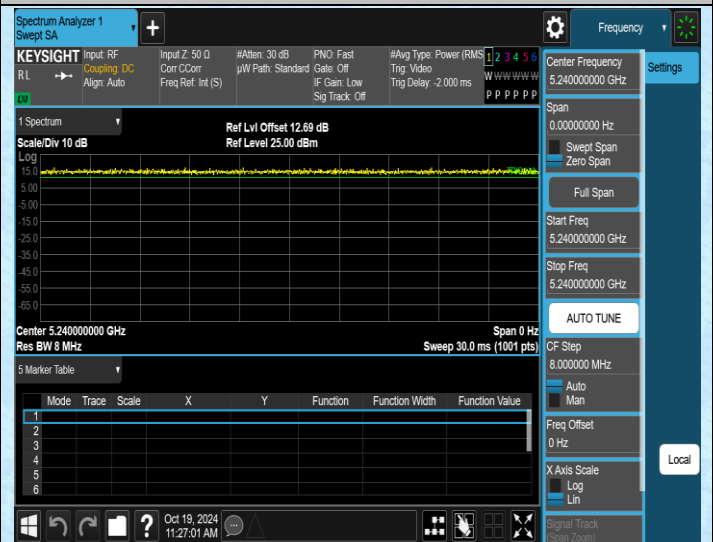
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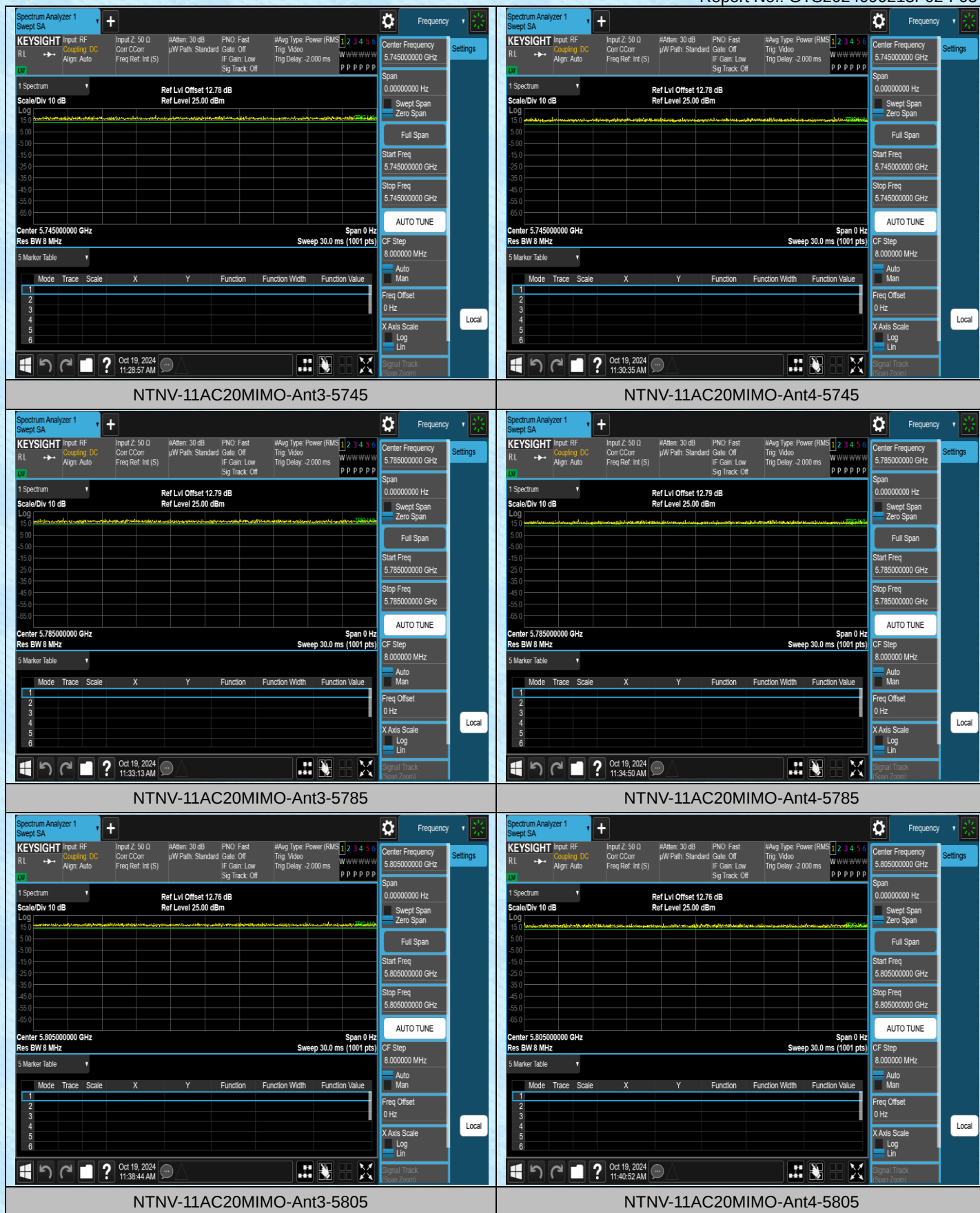
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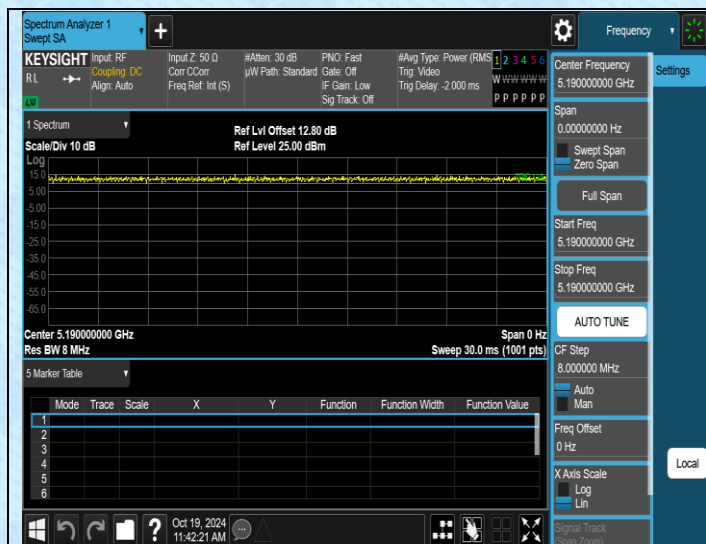


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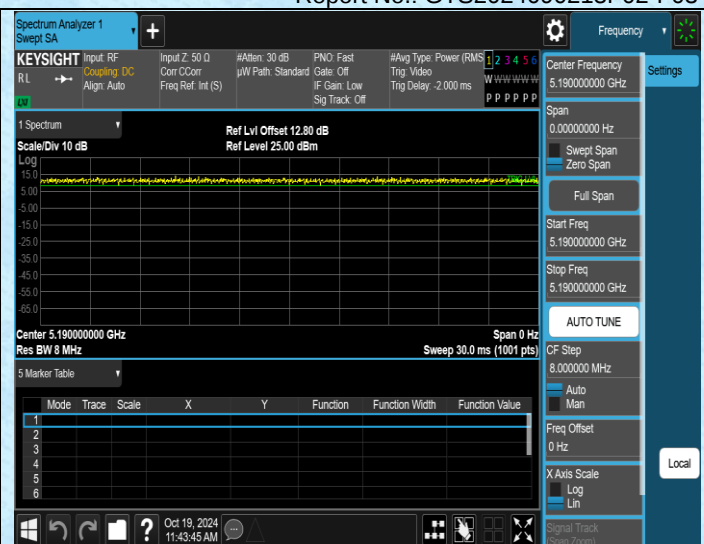


NTNV-11AC20MIMO-Ant4-5240

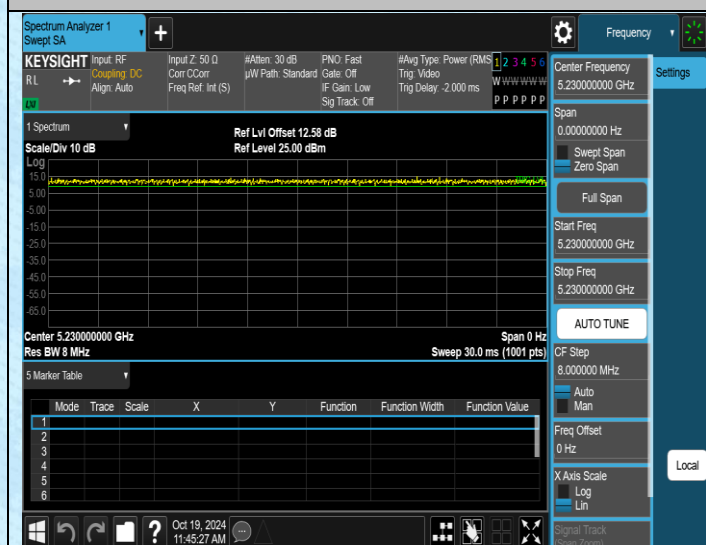




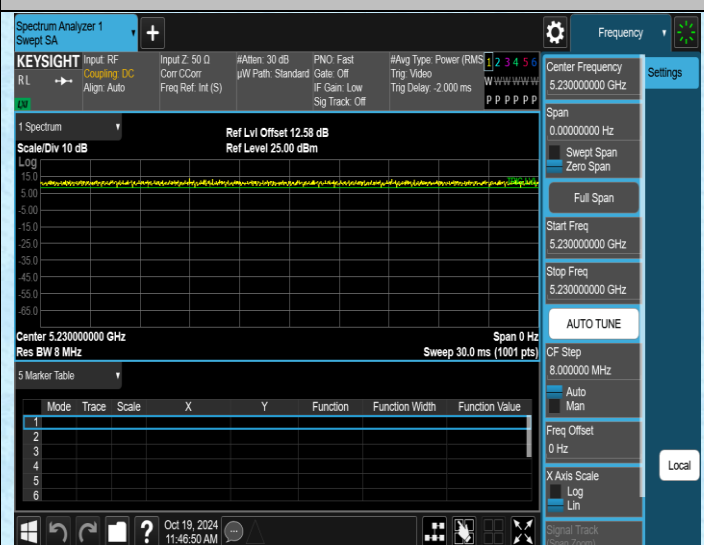
NTNV-11AC40MIMO-Ant3-5190



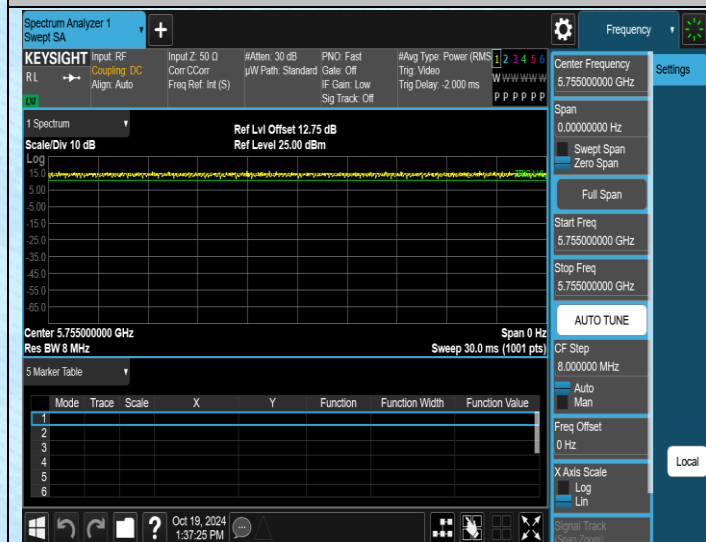
NTNV-11AC40MIMO-Ant4-5190



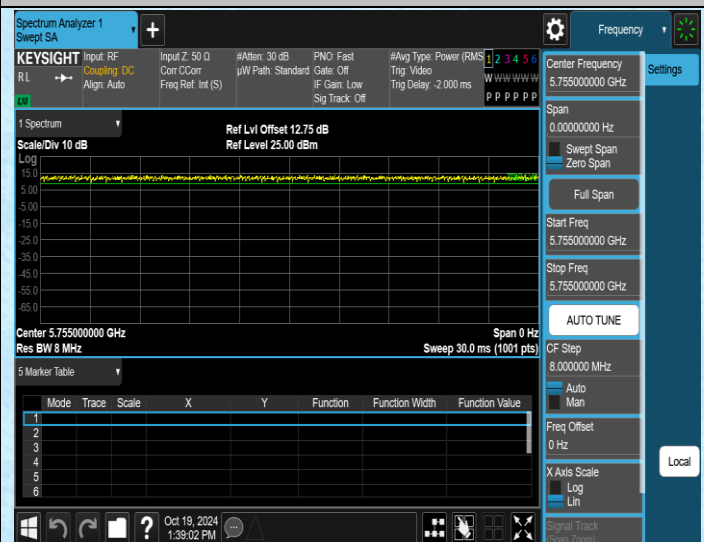
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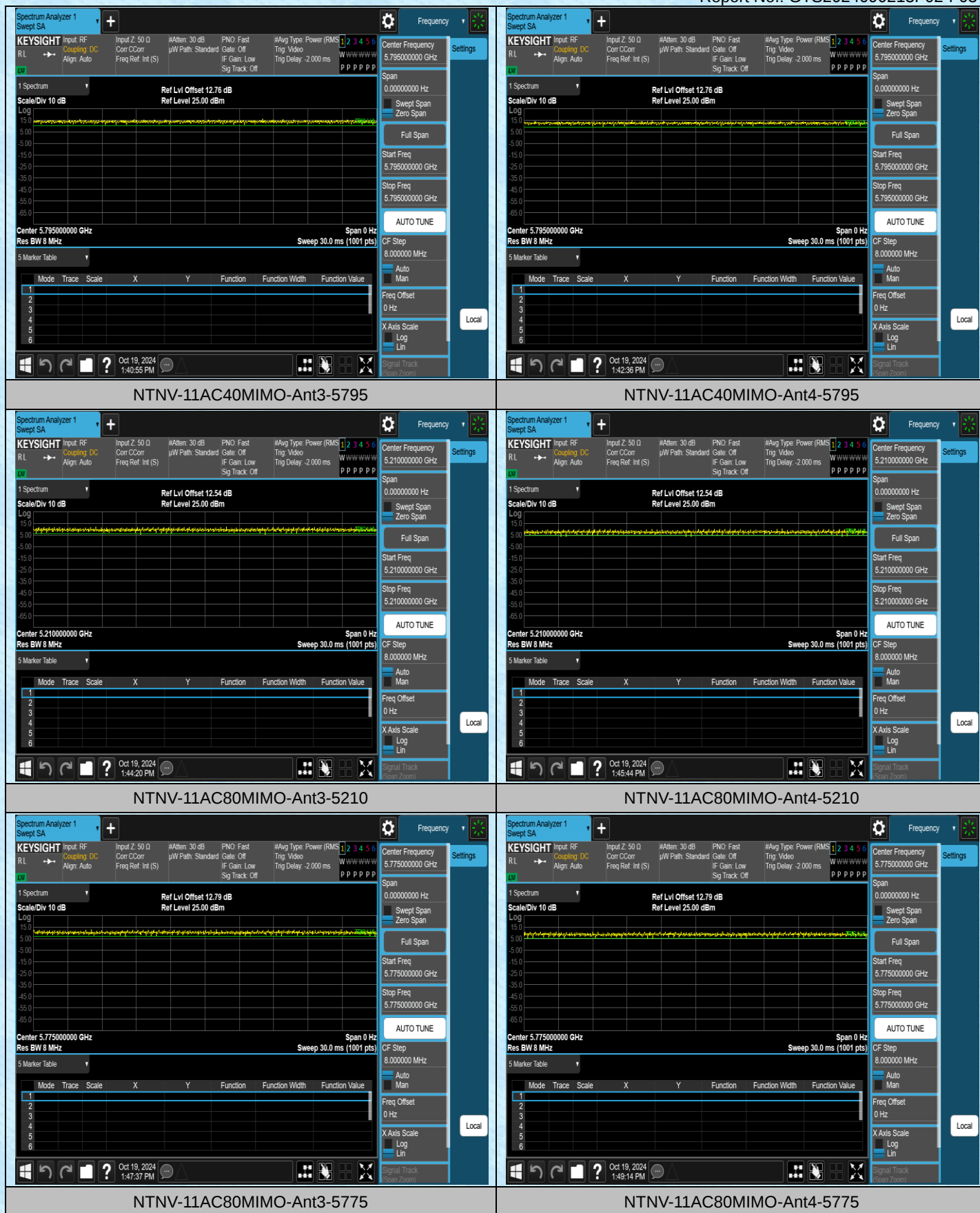
NTNV-11AC40MIMO-Ant4-5230



NTNV-11AC40MIMO-Ant3-5755



NTNV-11AC40MIMO-Ant4-5755



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	15.94	100.00	0.00	15.94	≤30.00	PASS
11AC20SISO	Ant4	5180	MCS0	16.94	100.00	0.00	16.94	≤30.00	PASS
11AC20SISO	Ant3	5200	MCS0	16.33	100.00	0.00	16.33	≤30.00	PASS
11AC20SISO	Ant4	5200	MCS0	16.59	100.00	0.00	16.59	≤30.00	PASS
11AC20SISO	Ant3	5240	MCS0	15.83	100.00	0.00	15.83	≤30.00	PASS
11AC20SISO	Ant4	5240	MCS0	16.87	100.00	0.00	16.87	≤30.00	PASS
11AC20SISO	Ant3	5745	MCS0	15.90	100.00	0.00	15.90	≤30.00	PASS
11AC20SISO	Ant4	5745	MCS0	17.41	100.00	0.00	17.41	≤30.00	PASS
11AC20SISO	Ant3	5785	MCS0	15.76	100.00	0.00	15.76	≤30.00	PASS
11AC20SISO	Ant4	5785	MCS0	16.80	100.00	0.00	16.80	≤30.00	PASS
11AC20SISO	Ant3	5805	MCS0	15.86	100.00	0.00	15.86	≤30.00	PASS
11AC20SISO	Ant4	5805	MCS0	16.98	100.00	0.00	16.98	≤30.00	PASS
11AC40SISO	Ant3	5190	MCS0	16.70	100.00	0.00	16.70	≤30.00	PASS
11AC40SISO	Ant4	5190	MCS0	17.33	100.00	0.00	17.33	≤30.00	PASS
11AC40SISO	Ant3	5230	MCS0	16.59	100.00	0.00	16.59	≤30.00	PASS
11AC40SISO	Ant4	5230	MCS0	17.33	100.00	0.00	17.33	≤30.00	PASS
11AC40SISO	Ant3	5755	MCS0	16.35	100.00	0.00	16.35	≤30.00	PASS
11AC40SISO	Ant4	5755	MCS0	17.18	100.00	0.00	17.18	≤30.00	PASS
11AC40SISO	Ant3	5795	MCS0	16.36	100.00	0.00	16.36	≤30.00	PASS
11AC40SISO	Ant4	5795	MCS0	16.68	100.00	0.00	16.68	≤30.00	PASS
11AC80SISO	Ant3	5210	MCS0	15.38	100.00	0.00	15.38	≤30.00	PASS
11AC80SISO	Ant4	5210	MCS0	16.16	100.00	0.00	16.16	≤30.00	PASS
11AC80SISO	Ant3	5775	MCS0	15.98	100.00	0.00	15.98	≤30.00	PASS
11AC80SISO	Ant4	5775	MCS0	16.10	100.00	0.00	16.10	≤30.00	PASS
11AC20MIMO	Ant3	5180	MCS0	12.97	100.00	0.00	12.97	≤30.00	PASS
11AC20MIMO	Ant4	5180	MCS0	12.47	100.00	0.00	12.47	≤30.00	PASS
11AC20MIMO	total	5180	MCS0	---	---	---	15.74	≤30.00	PASS
11AC20MIMO	Ant3	5200	MCS0	13.48	100.00	0.00	13.48	≤30.00	PASS
11AC20MIMO	Ant4	5200	MCS0	12.08	100.00	0.00	12.08	≤30.00	PASS
11AC20MIMO	total	5200	MCS0	---	---	---	15.85	≤30.00	PASS
11AC20MIMO	Ant3	5240	MCS0	12.97	100.00	0.00	12.97	≤30.00	PASS
11AC20MIMO	Ant4	5240	MCS0	12.53	100.00	0.00	12.53	≤30.00	PASS
11AC20MIMO	total	5240	MCS0	---	---	---	15.77	≤30.00	PASS
11AC20MIMO	Ant3	5745	MCS0	14.30	100.00	0.00	14.30	≤30.00	PASS
11AC20MIMO	Ant4	5745	MCS0	12.92	100.00	0.00	12.92	≤30.00	PASS
11AC20MIMO	total	5745	MCS0	---	---	---	16.67	≤30.00	PASS
11AC20MIMO	Ant3	5785	MCS0	14.16	100.00	0.00	14.16	≤30.00	PASS
11AC20MIMO	Ant4	5785	MCS0	13.28	100.00	0.00	13.28	≤30.00	PASS
11AC20MIMO	total	5785	MCS0	---	---	---	16.75	≤30.00	PASS

11AC20MIMO	Ant3	5805	MCS0	14.32	100.00	0.00	14.32	≤30.00	PASS
11AC20MIMO	Ant4	5805	MCS0	13.62	100.00	0.00	13.62	≤30.00	PASS
11AC20MIMO	total	5805	MCS0	---	---	---	16.99	≤30.00	PASS
11AC40MIMO	Ant3	5190	MCS0	13.73	100.00	0.00	13.73	≤30.00	PASS
11AC40MIMO	Ant4	5190	MCS0	12.82	100.00	0.00	12.82	≤30.00	PASS
11AC40MIMO	total	5190	MCS0	---	---	---	16.31	≤30.00	PASS
11AC40MIMO	Ant3	5230	MCS0	13.77	100.00	0.00	13.77	≤30.00	PASS
11AC40MIMO	Ant4	5230	MCS0	12.98	100.00	0.00	12.98	≤30.00	PASS
11AC40MIMO	total	5230	MCS0	---	---	---	16.40	≤30.00	PASS
11AC40MIMO	Ant3	5755	MCS0	15.64	100.00	0.00	15.64	≤30.00	PASS
11AC40MIMO	Ant4	5755	MCS0	14.02	100.00	0.00	14.02	≤30.00	PASS
11AC40MIMO	total	5755	MCS0	---	---	---	17.92	≤30.00	PASS
11AC40MIMO	Ant3	5795	MCS0	15.25	100.00	0.00	15.25	≤30.00	PASS
11AC40MIMO	Ant4	5795	MCS0	14.26	100.00	0.00	14.26	≤30.00	PASS
11AC40MIMO	total	5795	MCS0	---	---	---	17.79	≤30.00	PASS
11AC80MIMO	Ant3	5210	MCS0	13.59	100.00	0.00	13.59	≤30.00	PASS
11AC80MIMO	Ant4	5210	MCS0	12.40	100.00	0.00	12.40	≤30.00	PASS
11AC80MIMO	total	5210	MCS0	---	---	---	16.05	≤30.00	PASS
11AC80MIMO	Ant3	5775	MCS0	14.40	100.00	0.00	14.40	≤30.00	PASS
11AC80MIMO	Ant4	5775	MCS0	13.16	100.00	0.00	13.16	≤30.00	PASS
11AC80MIMO	total	5775	MCS0	---	---	---	16.83	≤30.00	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	Ant3	5180	MCS0	2.79	≤17.00	PASS
11AC20SISO	Ant4	5180	MCS0	3.75	≤17.00	PASS
11AC20SISO	Ant3	5200	MCS0	2.85	≤17.00	PASS
11AC20SISO	Ant4	5200	MCS0	3.03	≤17.00	PASS
11AC20SISO	Ant3	5240	MCS0	2.68	≤17.00	PASS
11AC20SISO	Ant4	5240	MCS0	3.54	≤17.00	PASS
11AC20SISO	Ant3	5745	MCS0	0.01	≤30.00	PASS
11AC20SISO	Ant4	5745	MCS0	1.47	≤30.00	PASS
11AC20SISO	Ant3	5785	MCS0	-0.16	≤30.00	PASS
11AC20SISO	Ant4	5785	MCS0	0.71	≤30.00	PASS
11AC20SISO	Ant3	5805	MCS0	-0.18	≤30.00	PASS
11AC20SISO	Ant4	5805	MCS0	0.62	≤30.00	PASS
11AC40SISO	Ant3	5190	MCS0	0.18	≤17.00	PASS
11AC40SISO	Ant4	5190	MCS0	0.62	≤17.00	PASS
11AC40SISO	Ant3	5230	MCS0	-0.26	≤17.00	PASS
11AC40SISO	Ant4	5230	MCS0	0.81	≤17.00	PASS
11AC40SISO	Ant3	5755	MCS0	-2.91	≤30.00	PASS
11AC40SISO	Ant4	5755	MCS0	-2.24	≤30.00	PASS
11AC40SISO	Ant3	5795	MCS0	-3.14	≤30.00	PASS
11AC40SISO	Ant4	5795	MCS0	-3.24	≤30.00	PASS
11AC80SISO	Ant3	5210	MCS0	-3.75	≤17.00	PASS
11AC80SISO	Ant4	5210	MCS0	-3.29	≤17.00	PASS
11AC80SISO	Ant3	5775	MCS0	-5.49	≤30.00	PASS
11AC80SISO	Ant4	5775	MCS0	-5.86	≤30.00	PASS
11AC20MIMO	Ant3	5180	MCS0	-0.49	≤17.00	PASS
11AC20MIMO	Ant4	5180	MCS0	-0.98	≤17.00	PASS
11AC20MIMO	total	5180	MCS0	2.28	≤15.62	PASS
11AC20MIMO	Ant3	5200	MCS0	-0.04	≤17.00	PASS
11AC20MIMO	Ant4	5200	MCS0	-1.6	≤17.00	PASS
11AC20MIMO	total	5200	MCS0	2.26	≤15.62	PASS
11AC20MIMO	Ant3	5240	MCS0	-0.32	≤17.00	PASS
11AC20MIMO	Ant4	5240	MCS0	-0.84	≤17.00	PASS
11AC20MIMO	total	5240	MCS0	2.44	≤15.62	PASS
11AC20MIMO	Ant3	5745	MCS0	-1.58	≤30.00	PASS
11AC20MIMO	Ant4	5745	MCS0	-3.13	≤30.00	PASS
11AC20MIMO	total	5745	MCS0	0.72	≤29.31	PASS
11AC20MIMO	Ant3	5785	MCS0	-1.77	≤30.00	PASS
11AC20MIMO	Ant4	5785	MCS0	-3.03	≤30.00	PASS
11AC20MIMO	total	5785	MCS0	0.66	≤29.31	PASS
11AC20MIMO	Ant3	5805	MCS0	-1.81	≤30.00	PASS

11AC20MIMO	Ant4	5805	MCS0	-2.77	≤30.00	PASS
11AC20MIMO	total	5805	MCS0	0.75	≤29.31	PASS
11AC40MIMO	Ant3	5190	MCS0	-2.82	≤17.00	PASS
11AC40MIMO	Ant4	5190	MCS0	-3.88	≤17.00	PASS
11AC40MIMO	total	5190	MCS0	-0.31	≤15.62	PASS
11AC40MIMO	Ant3	5230	MCS0	-3.12	≤17.00	PASS
11AC40MIMO	Ant4	5230	MCS0	-3.79	≤17.00	PASS
11AC40MIMO	total	5230	MCS0	-0.43	≤15.62	PASS
11AC40MIMO	Ant3	5755	MCS0	-3.43	≤30.00	PASS
11AC40MIMO	Ant4	5755	MCS0	-5.66	≤30.00	PASS
11AC40MIMO	total	5755	MCS0	-1.39	≤29.31	PASS
11AC40MIMO	Ant3	5795	MCS0	-4.32	≤30.00	PASS
11AC40MIMO	Ant4	5795	MCS0	-5.66	≤30.00	PASS
11AC40MIMO	total	5795	MCS0	-1.93	≤29.31	PASS
11AC80MIMO	Ant3	5210	MCS0	-5.66	≤17.00	PASS
11AC80MIMO	Ant4	5210	MCS0	-7.2	≤17.00	PASS
11AC80MIMO	total	5210	MCS0	-3.35	≤15.62	PASS
11AC80MIMO	Ant3	5775	MCS0	-7	≤30.00	PASS
11AC80MIMO	Ant4	5775	MCS0	-8.9	≤30.00	PASS
11AC80MIMO	total	5775	MCS0	-4.84	≤29.31	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 Factor is compensated in the graph.