

Case No. : <u>GTS20250825004-1-14</u>
Ambient Condition: <u>23</u> °C, <u>51</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

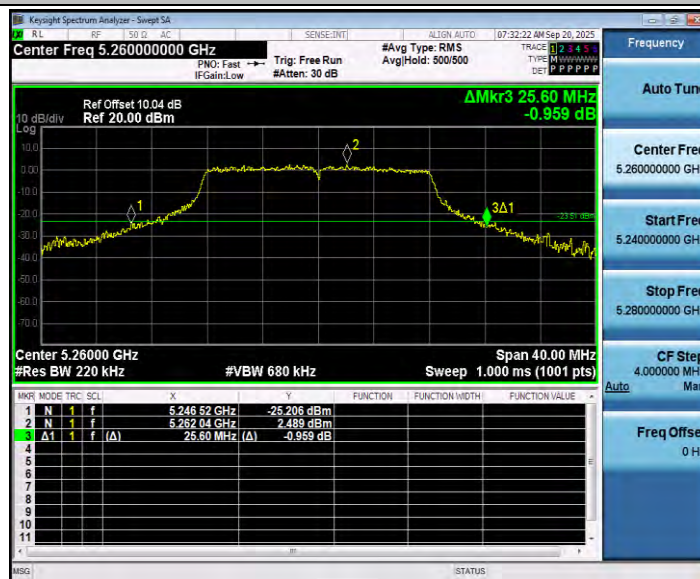
AppendixE.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	25.600	5246.520	5272.120	---	---
		5280	24.160	5267.160	5291.320	---	---
		5320	24.440	5307.480	5331.920	---	---
11N20SISO	Ant1	5260	25.400	5247.240	5272.640	---	---
		5280	26.360	5266.480	5292.840	---	---
		5320	25.520	5307.400	5332.920	---	---
11N40SISO	Ant1	5270	45.920	5246.800	5292.720	---	---
		5310	48.640	5286.560	5335.200	---	---
11AC20SISO	Ant1	5260	24.640	5247.400	5272.040	---	---
		5280	25.400	5267.000	5292.400	---	---
		5320	26.040	5306.840	5332.880	---	---
11AC40SISO	Ant1	5270	45.520	5246.880	5292.400	---	---
		5310	45.840	5287.120	5332.960	---	---
11AC80SISO	Ant1	5290	95.200	5238.480	5333.680	---	---
11AX20SISO	Ant1	5260	25.320	5247.600	5272.920	---	---
		5280	25.080	5267.680	5292.760	---	---
		5320	25.560	5307.160	5332.720	---	---
11AX40SISO	Ant1	5270	44.800	5246.960	5291.760	---	---
		5310	45.120	5287.120	5332.240	---	---
11AX80SISO	Ant1	5290	85.120	5246.960	5332.080	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

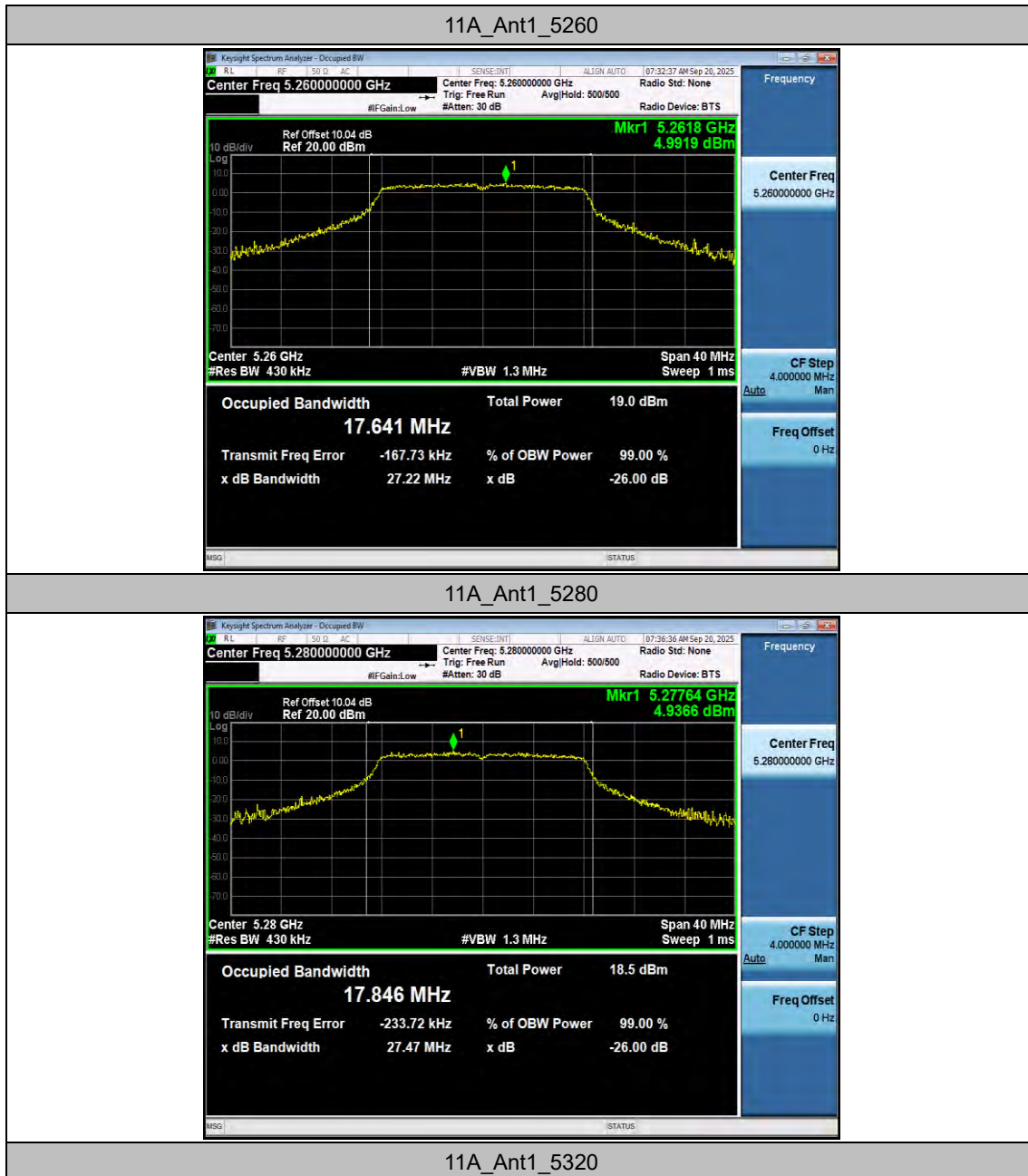


AppendixE.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.641	5251.0118	5268.6528	---	---
		5280	17.846	5270.8433	5288.6893	---	---
		5320	17.879	5310.9688	5328.8478	---	---
11N20SISO	Ant1	5260	18.676	5250.5541	5269.2301	---	---
		5280	18.843	5270.4030	5289.2460	---	---
		5320	18.825	5310.5915	5329.4165	---	---
11N40SISO	Ant1	5270	37.192	5251.2241	5288.4161	---	---
		5310	37.287	5291.3054	5328.5924	---	---
11AC20SISO	Ant1	5260	18.699	5250.5721	5269.2711	---	---
		5280	18.780	5270.5010	5289.2810	---	---
		5320	18.791	5310.5981	5329.3891	---	---
11AC40SISO	Ant1	5270	37.279	5251.2021	5288.4811	---	---
		5310	37.497	5291.1789	5328.6759	---	---
11AC80SISO	Ant1	5290	76.620	5251.4246	5328.0446	---	---
11AX20SISO	Ant1	5260	19.477	5250.2216	5269.6986	---	---
		5280	19.476	5270.2155	5289.6915	---	---
		5320	19.524	5310.2422	5329.7662	---	---
11AX40SISO	Ant1	5270	38.231	5250.7892	5289.0202	---	---
		5310	38.326	5290.8487	5329.1747	---	---
11AX80SISO	Ant1	5290	78.004	5250.8146	5328.8186	---	---

Test Graphs

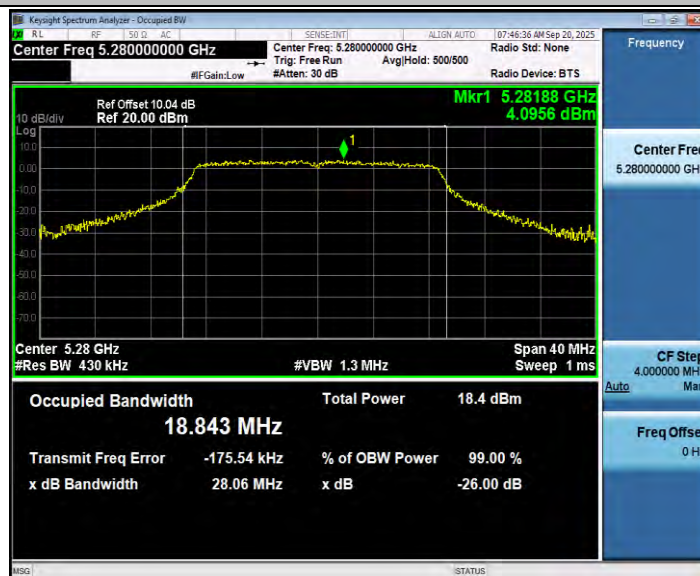




11N20SISO_Ant1_5260



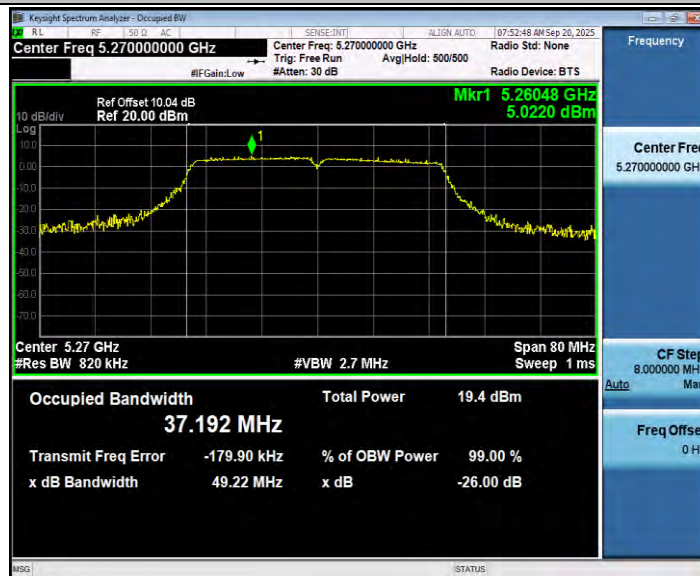
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11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



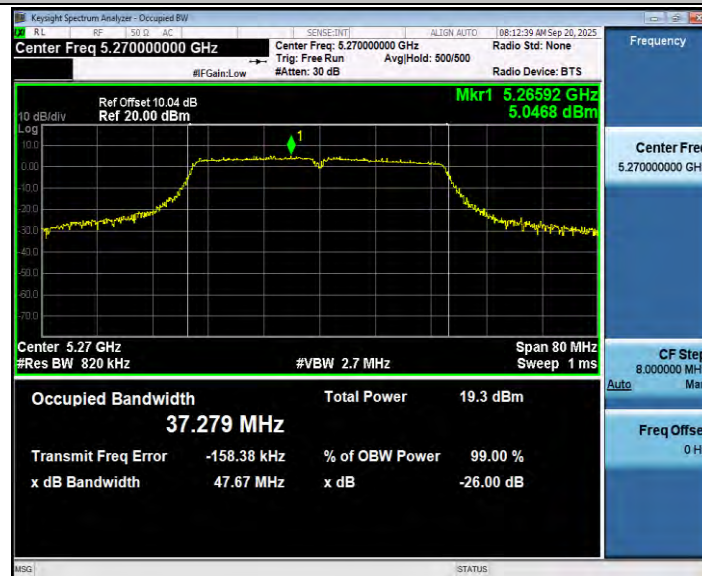
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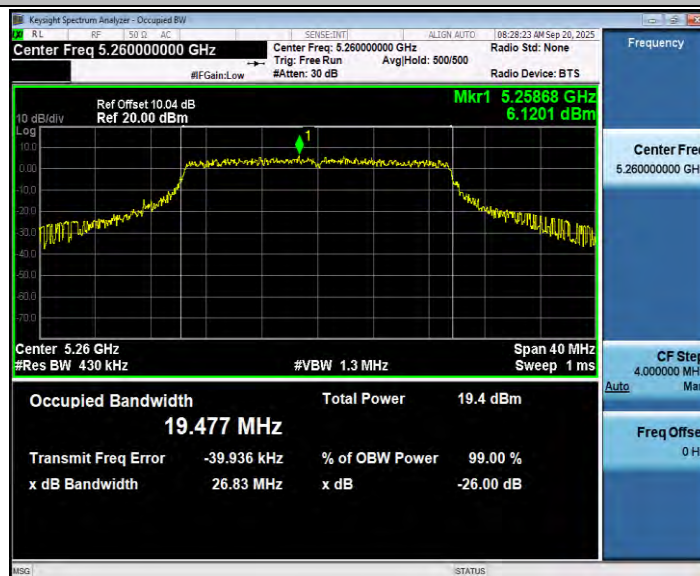
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11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



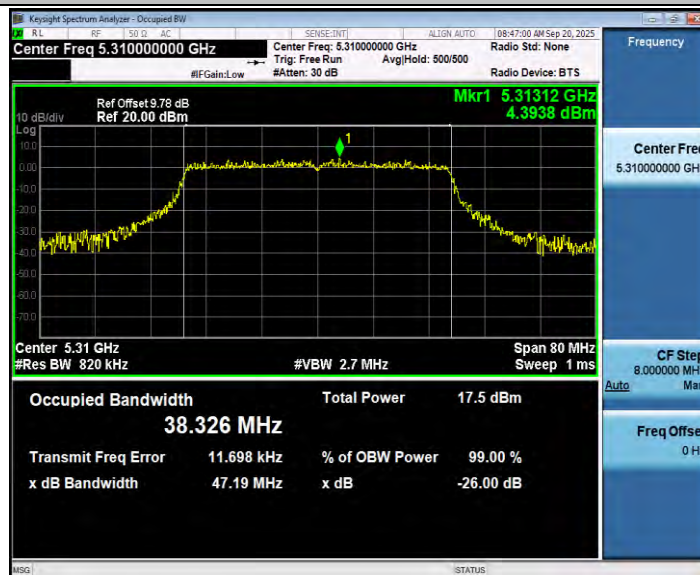
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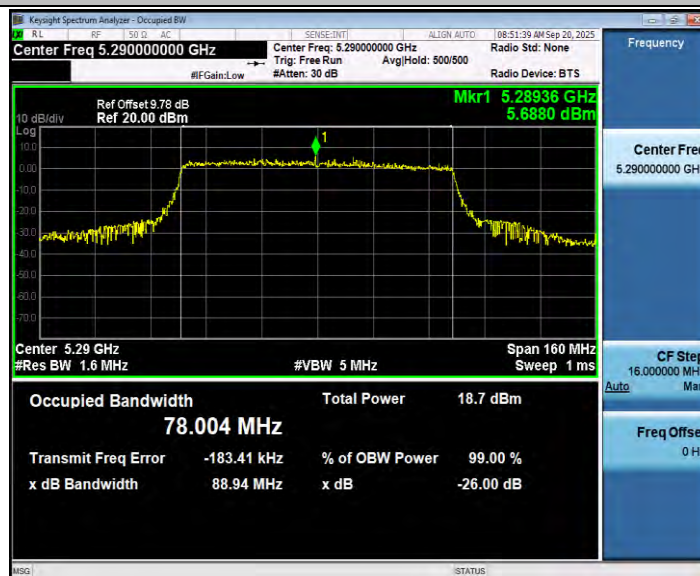
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

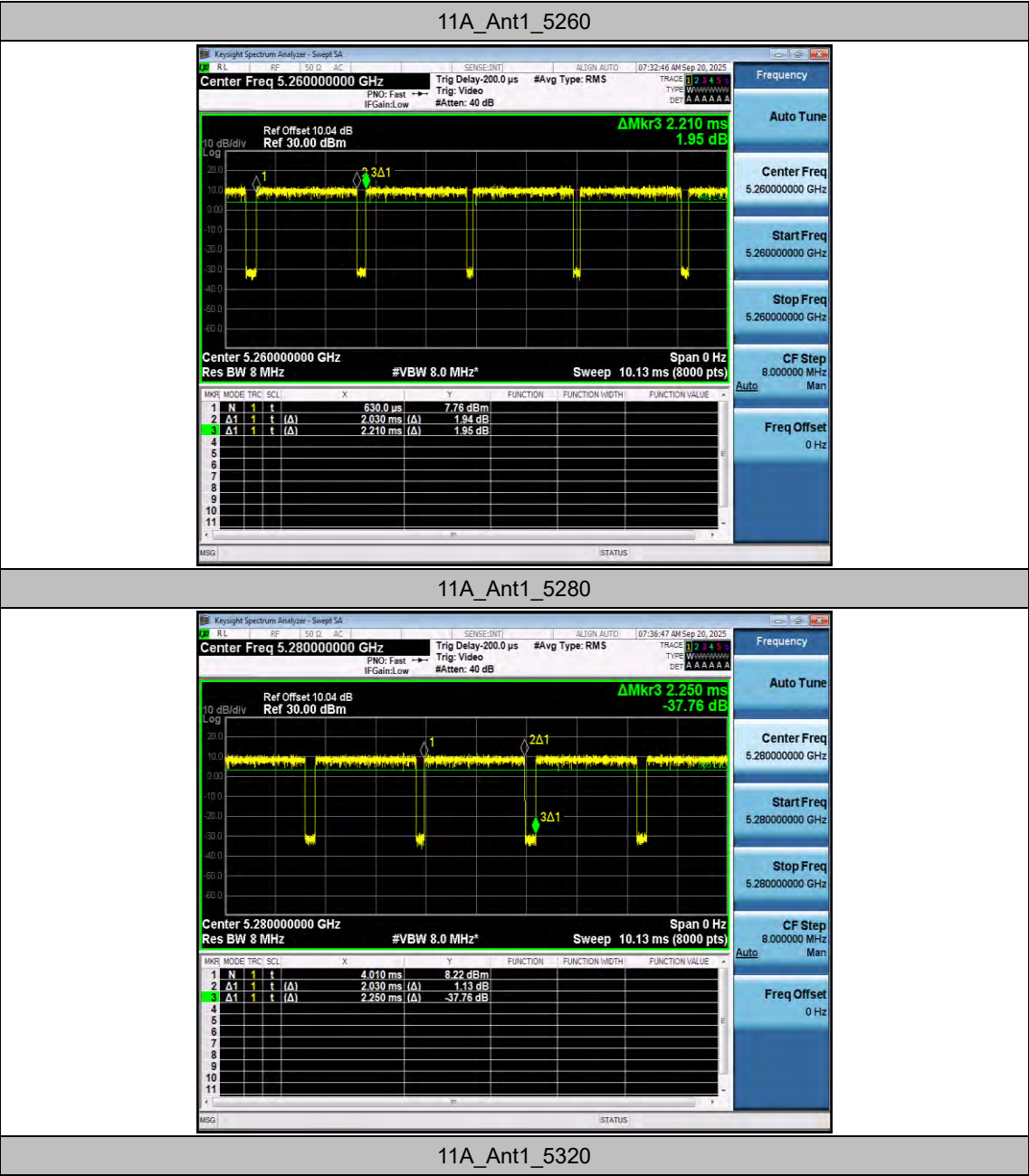


Appendix E.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	2.03	2.21	91.86	0.37	0.49
		5280	2.03	2.25	90.22	0.45	0.49
		5320	2.03	2.26	89.82	0.47	0.49
11N20SISO	Ant1	5260	1.89	2.09	90.43	0.44	0.53
		5280	1.89	2.08	90.87	0.42	0.53
		5320	1.89	2.12	89.15	0.50	0.53
11N40SISO	Ant1	5270	0.93	1.08	86.11	0.65	1.08
		5310	0.93	1.11	83.78	0.77	1.08
11AC20SISO	Ant1	5260	1.90	2.01	94.53	0.24	0.53
		5280	1.90	2.08	91.35	0.39	0.53
		5320	1.90	2.10	90.48	0.43	0.53
11AC40SISO	Ant1	5270	0.93	1.16	80.17	0.96	1.08
		5310	0.94	1.38	68.12	1.67	1.06
11AC80SISO	Ant1	5290	0.45	0.67	67.16	1.73	2.22
11AX20SISO	Ant1	5260	1.46	1.68	86.90	0.61	0.68
		5280	1.47	1.65	89.09	0.50	0.68
		5320	1.46	1.67	87.43	0.58	0.68
11AX40SISO	Ant1	5270	0.76	0.98	77.55	1.10	1.32
		5310	0.76	1.00	76.00	1.19	1.32
11AX80SISO	Ant1	5290	0.39	0.62	62.90	2.01	2.56

Test Graphs



11A_Ant1_5280

Frequency

Auto Tune

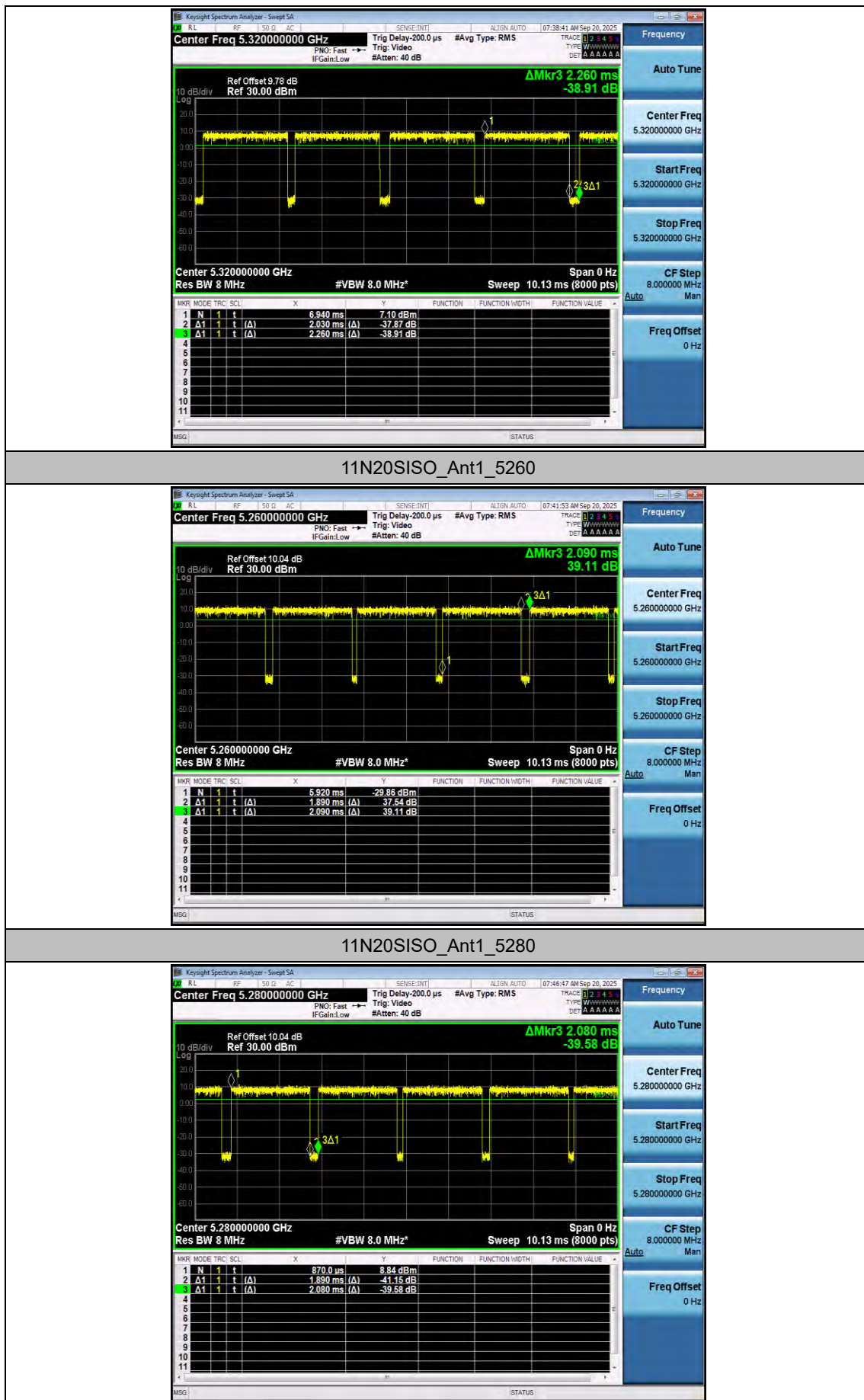
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5.280000000 GHzStop Freq
5.280000000 GHzCF Step
8.0000000 MHz

Auto

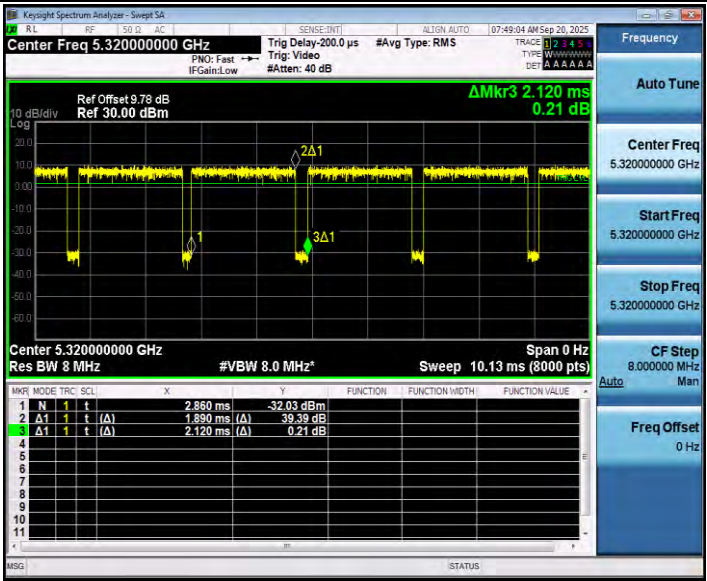
Man

Freq Offset
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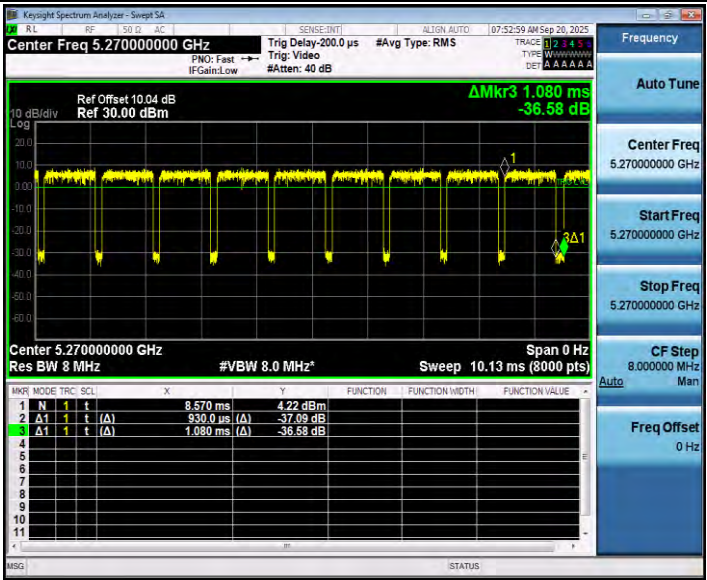
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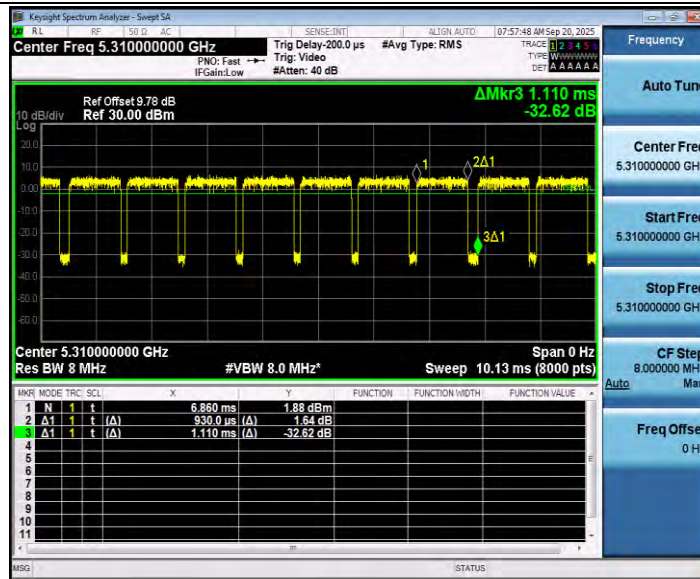
11N20SISO_Ant1_5320



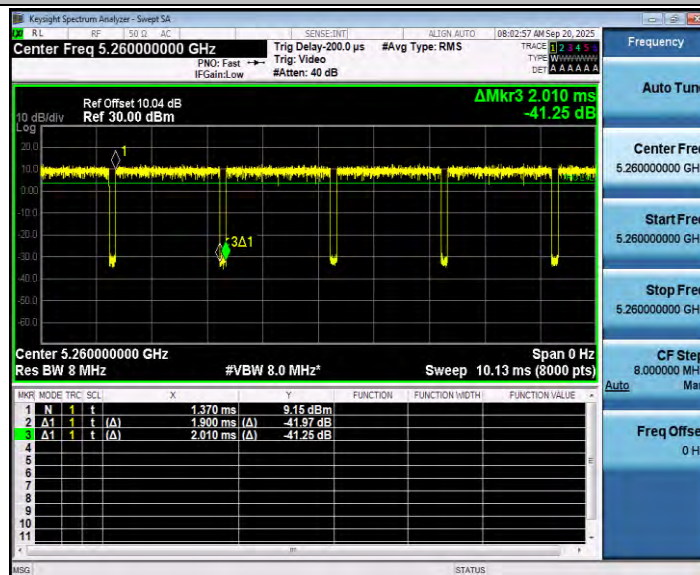
11N40SISO_Ant1_5270



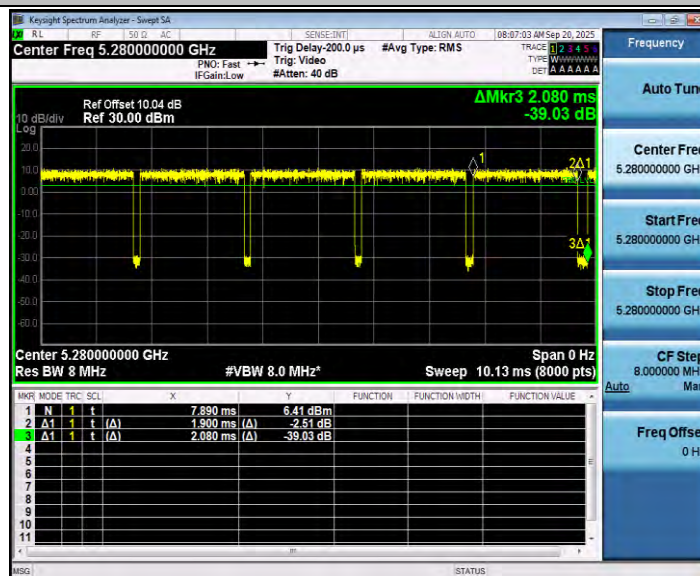
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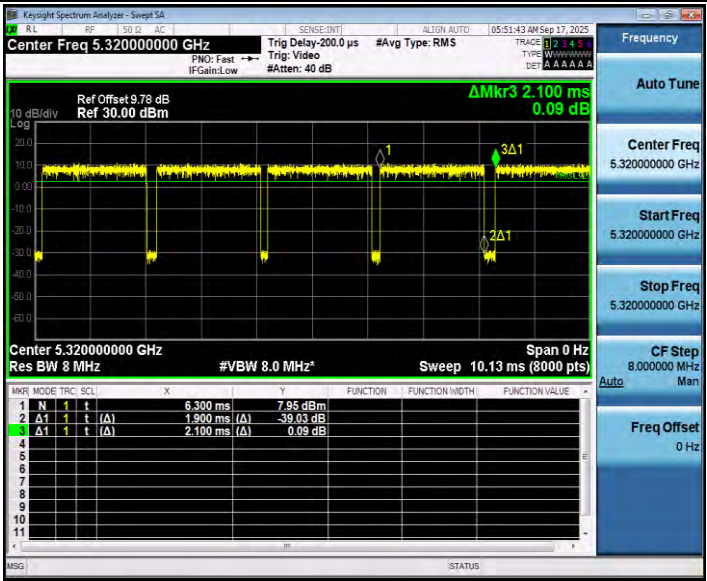
11AC20SISO_Ant1_5260



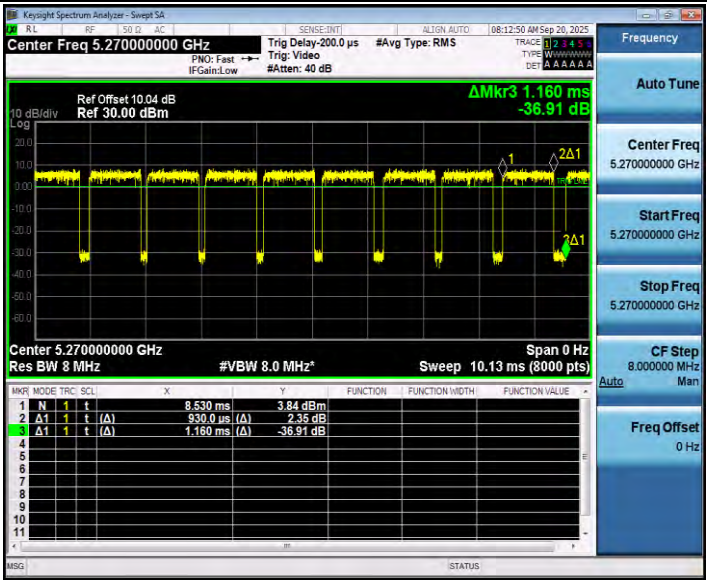
11AC20SISO_Ant1_5280



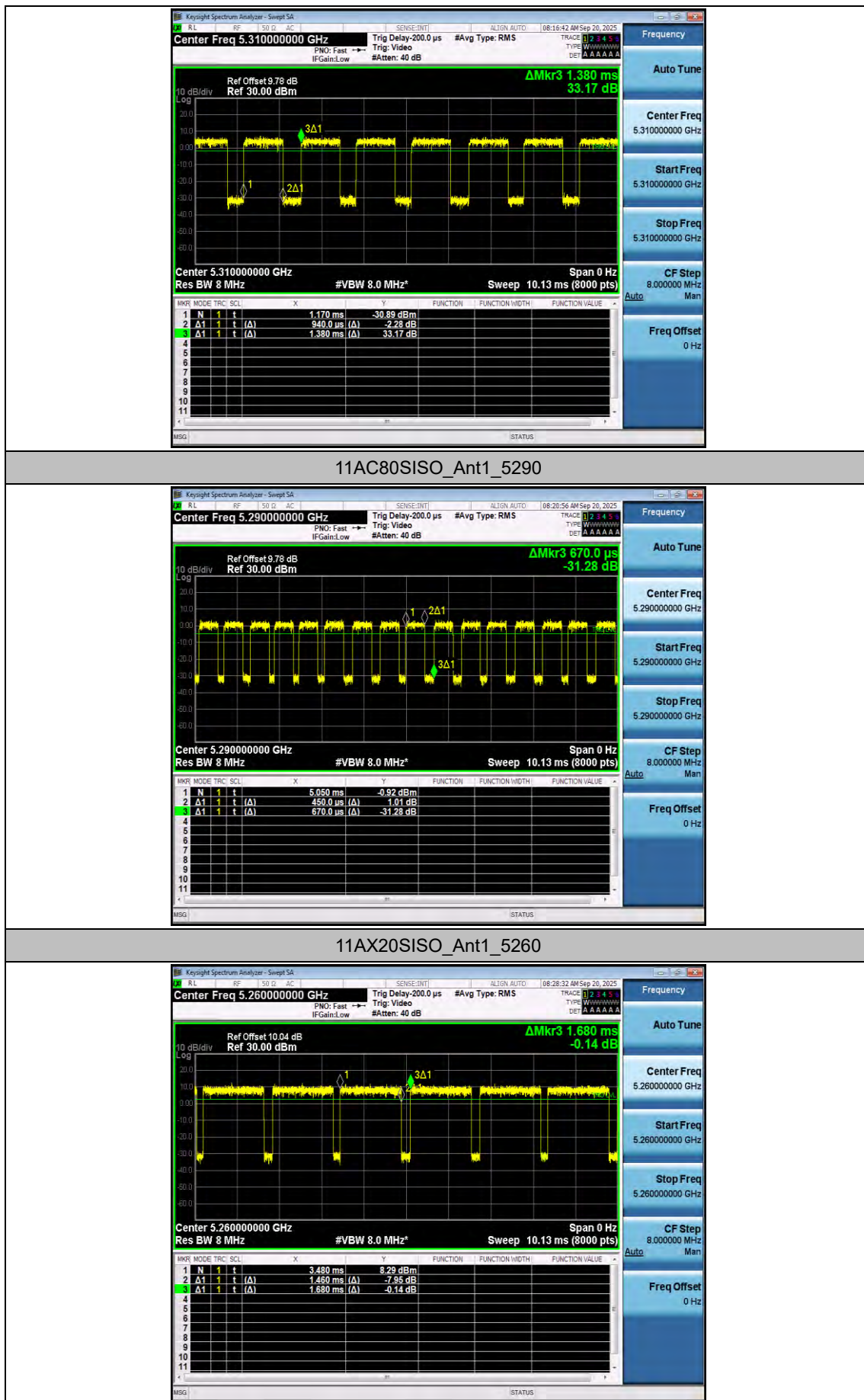
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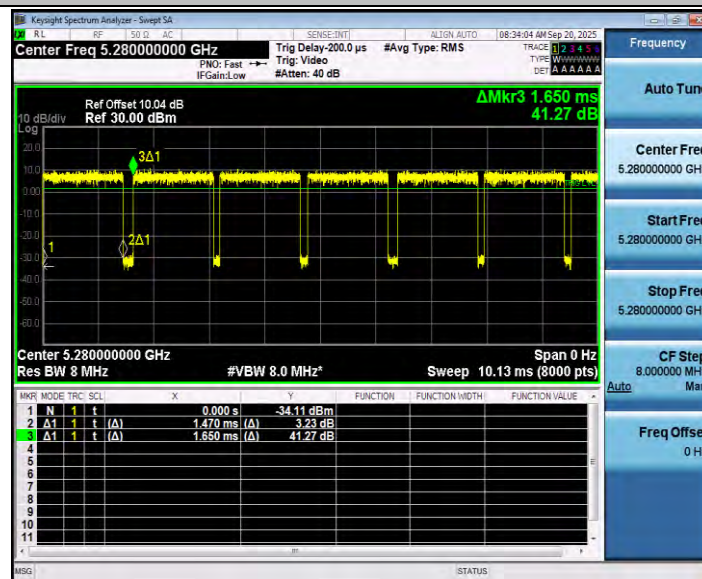
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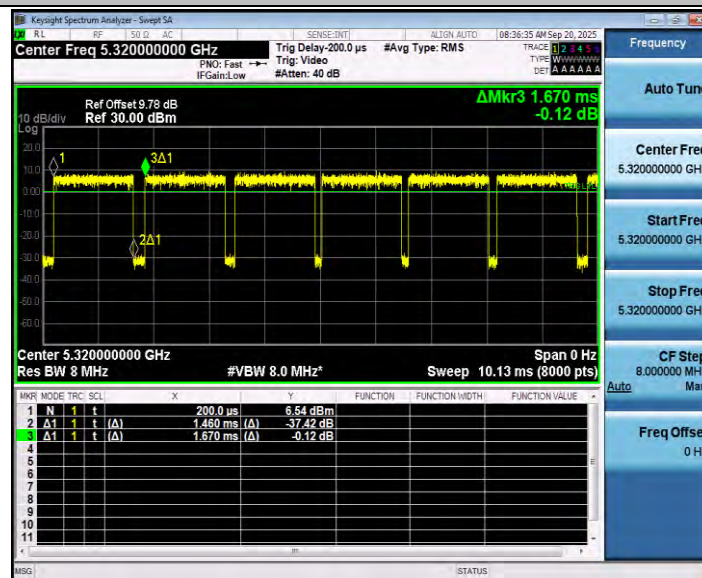
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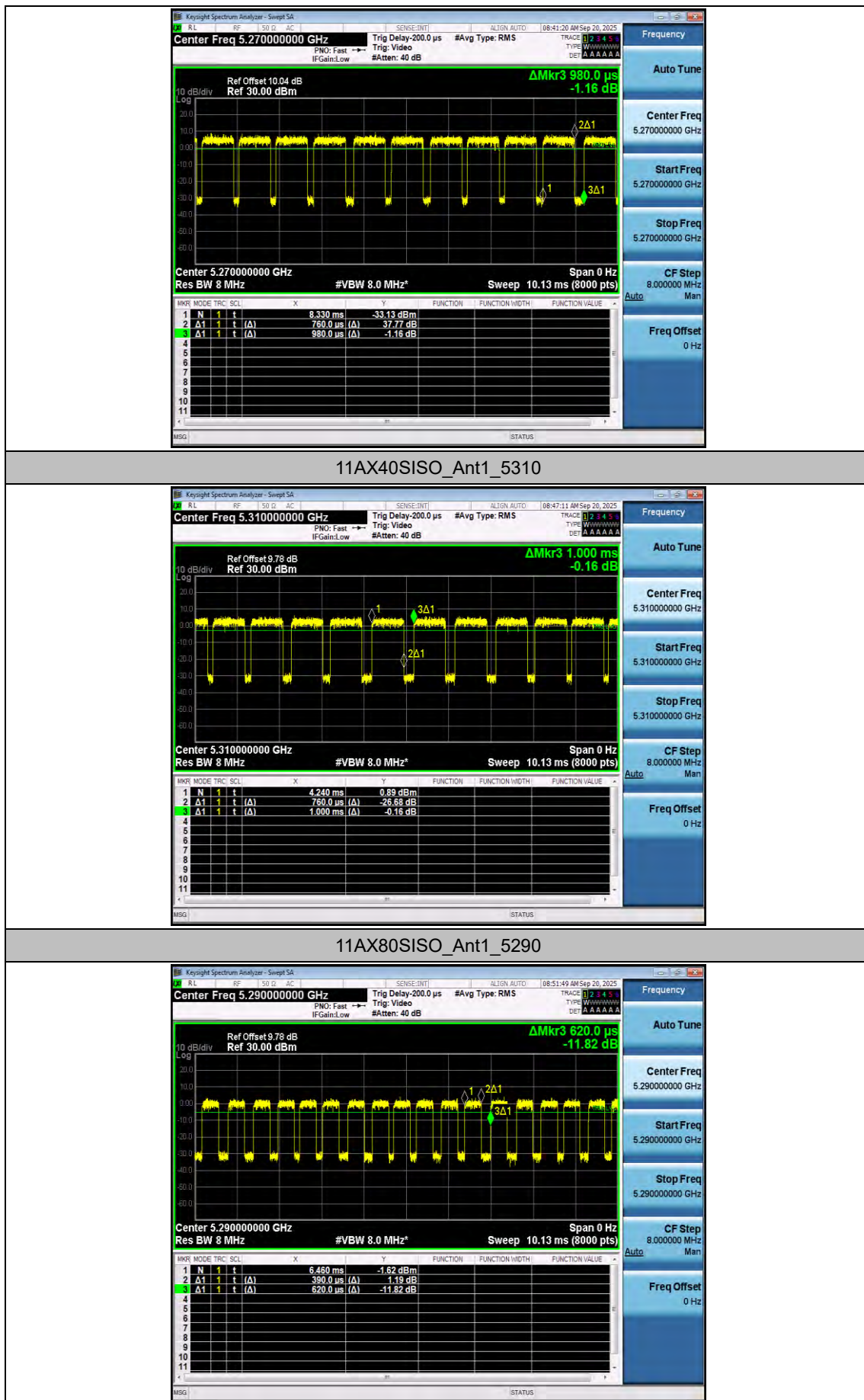
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	12.29	91.86	0.37	12.66	≤23.98	PASS
		5280	11.27	90.22	0.45	11.72	≤23.98	PASS
		5320	10.14	89.82	0.47	10.61	≤23.98	PASS
11N20SIS O	Ant1	5260	12.22	90.43	0.44	12.66	≤23.98	PASS
		5280	11.17	90.87	0.42	11.59	≤23.98	PASS
		5320	10.01	89.15	0.50	10.51	≤23.98	PASS
11N40SIS O	Ant1	5270	11.46	86.11	0.65	12.11	≤23.98	PASS
		5310	9.18	83.78	0.77	9.95	≤23.98	PASS
11AC20SIS O	Ant1	5260	12.19	94.53	0.24	12.43	≤23.98	PASS
		5280	11.18	91.35	0.39	11.57	≤23.98	PASS
		5320	10.94	90.48	0.43	11.37	≤23.98	PASS
11AC40SIS O	Ant1	5270	11.24	80.17	0.96	12.20	≤23.98	PASS
		5310	9.51	68.12	1.67	11.18	≤23.98	PASS
11AC80SIS O	Ant1	5290	8.87	67.16	1.73	10.60	≤23.98	PASS
11AX20SIS O	Ant1	5260	11.16	86.90	0.61	11.77	≤23.98	PASS
		5280	10.12	89.09	0.50	10.62	≤23.98	PASS
		5320	8.87	87.43	0.58	9.45	≤23.98	PASS
11AX40SIS O	Ant1	5270	10.04	77.55	1.10	11.14	≤23.98	PASS
		5310	8.10	76.00	1.19	9.29	≤23.98	PASS
11AX80SIS O	Ant1	5290	8.10	62.90	2.01	10.11	≤23.98	PASS

AppendixE.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.68	≤11.00	PASS
		5280	0.71	≤11.00	PASS
		5320	-0.51	≤11.00	PASS
11N20SISO	Ant1	5260	1.40	≤11.00	PASS
		5280	0.36	≤11.00	PASS
		5320	-0.83	≤11.00	PASS
11N40SISO	Ant1	5270	-1.93	≤11.00	PASS
		5310	-4.24	≤11.00	PASS
11AC20SISO	Ant1	5260	1.18	≤11.00	PASS
		5280	0.21	≤11.00	PASS
		5320	-0.02	≤11.00	PASS
11AC40SISO	Ant1	5270	-1.77	≤11.00	PASS
		5310	-2.96	≤11.00	PASS
11AC80SISO	Ant1	5290	-5.90	≤11.00	PASS
11AX20SISO	Ant1	5260	0.33	≤11.00	PASS
		5280	-0.86	≤11.00	PASS
		5320	-2.08	≤11.00	PASS
11AX40SISO	Ant1	5270	-3.06	≤11.00	PASS
		5310	-5.38	≤11.00	PASS
11AX80SISO	Ant1	5290	-7.12	≤11.00	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.

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



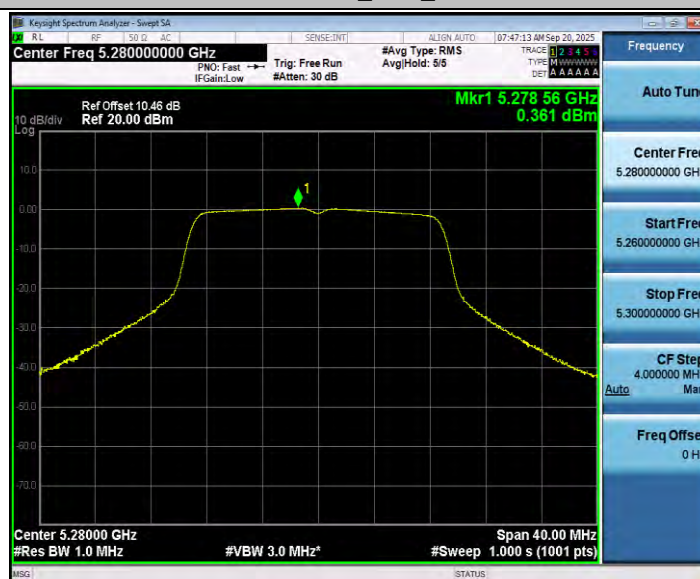
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



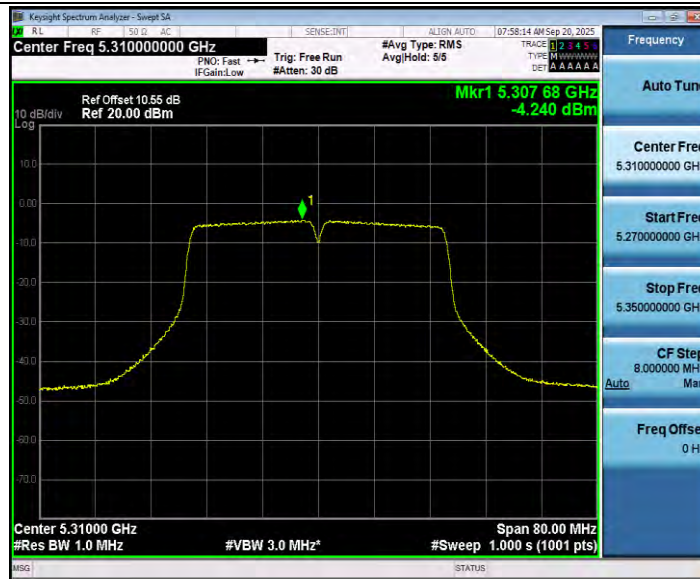
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11N40SISO_Ant1_5270



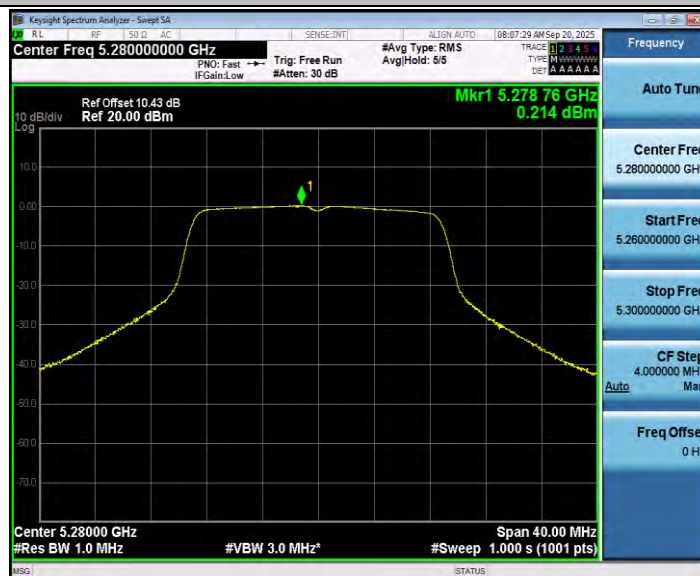
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11AC20SISO_Ant1_5260



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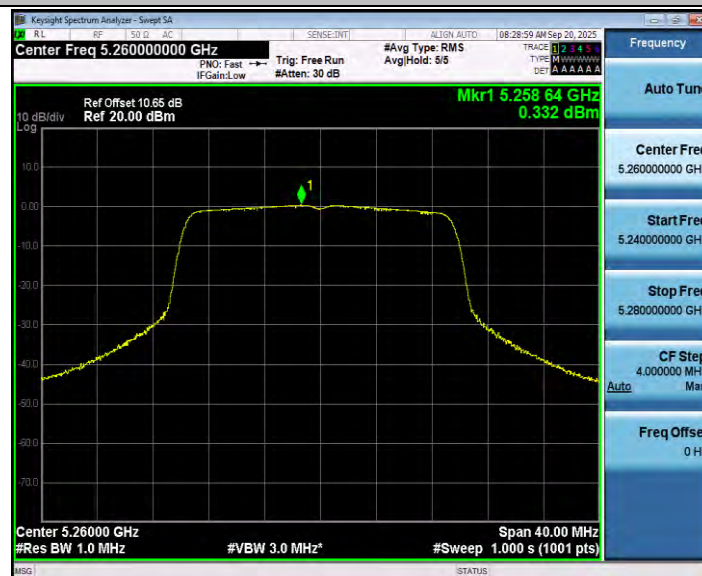
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11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



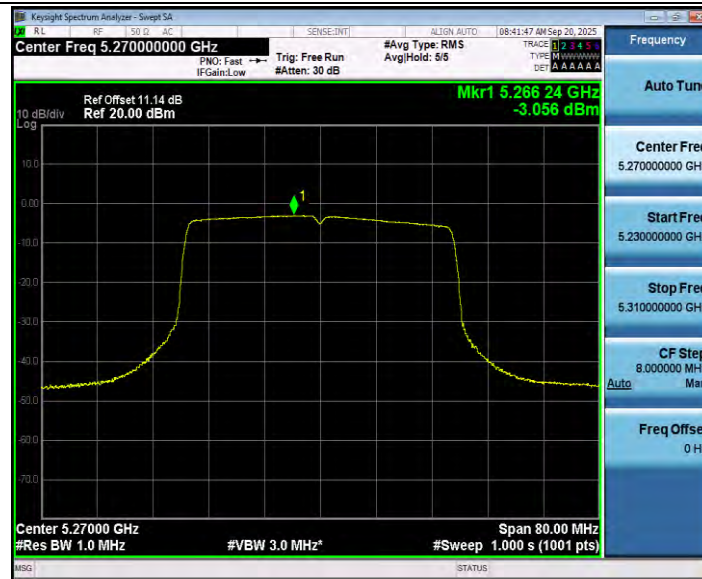
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11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

