

Case No. : <u>GTS20250724007-3-04</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: <u>■Part15E</u>	
Test Date: <u>2025.8.4-2025.8.29</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	25.280	5167.080	5192.360	---	---
		5200	24.800	5187.680	5212.480	---	---
		5240	24.200	5227.880	5252.080	---	---
11N20SISO	Ant1	5180	25.920	5166.880	5192.800	---	---
		5200	26.280	5186.840	5213.120	---	---
		5240	25.160	5227.520	5252.680	---	---
11N40SISO	Ant1	5190	46.160	5167.120	5213.280	---	---
		5230	46.800	5207.040	5253.840	---	---
11AC20SISO	Ant1	5180	25.800	5167.400	5193.200	---	---
		5200	26.240	5187.400	5213.640	---	---
		5240	24.840	5227.640	5252.480	---	---
11AC40SISO	Ant1	5190	45.360	5167.760	5213.120	---	---
		5230	45.520	5207.680	5253.200	---	---
11AX20SISO	Ant1	5180	24.520	5168.040	5192.560	---	---
		5200	24.680	5187.600	5212.280	---	---
		5240	26.480	5226.280	5252.760	---	---
11AX40SISO	Ant1	5190	44.480	5167.840	5212.320	---	---
		5230	44.480	5207.760	5252.240	---	---

Test Graphs





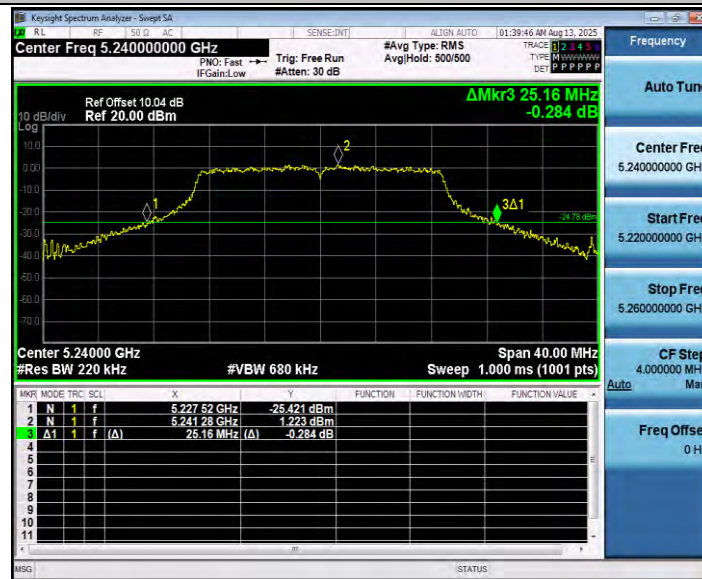
11N20SISO_Ant1_5180



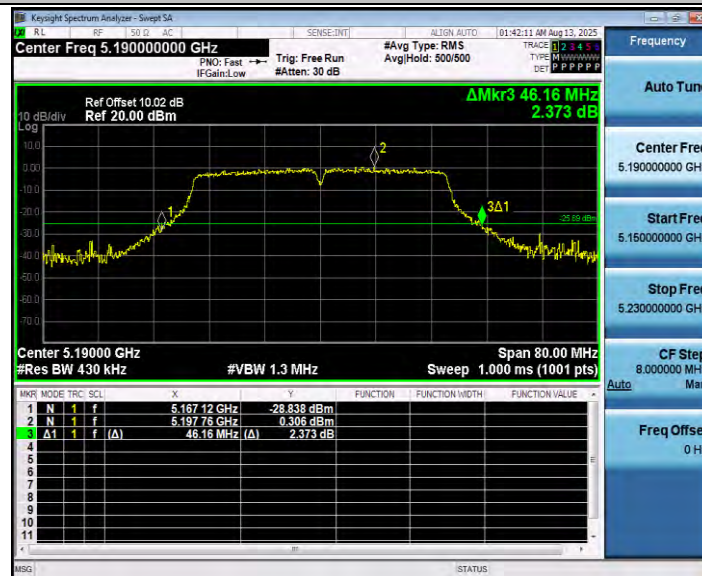
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11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



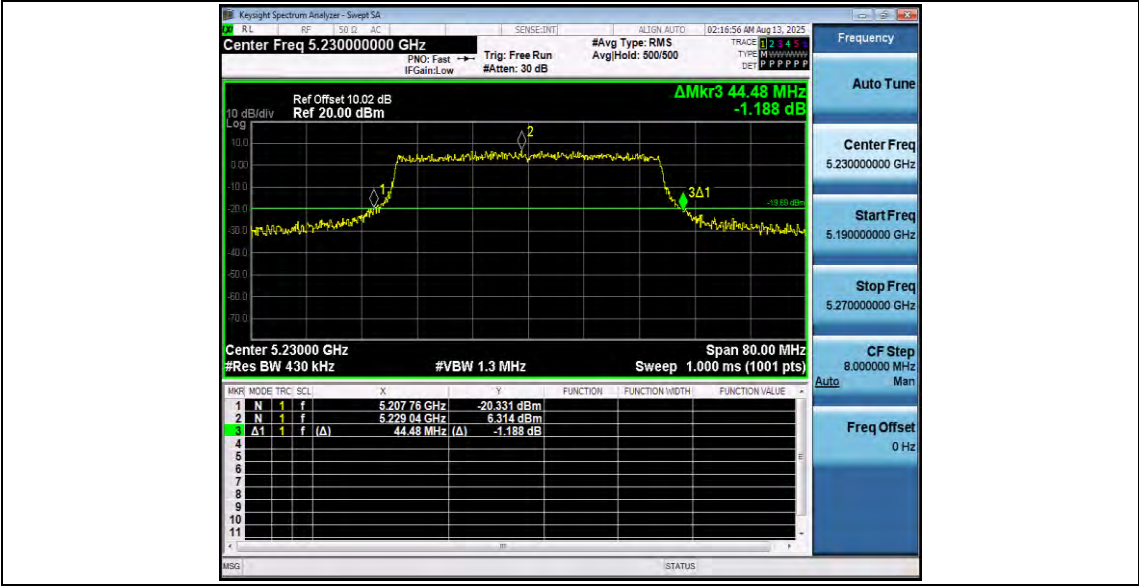
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11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

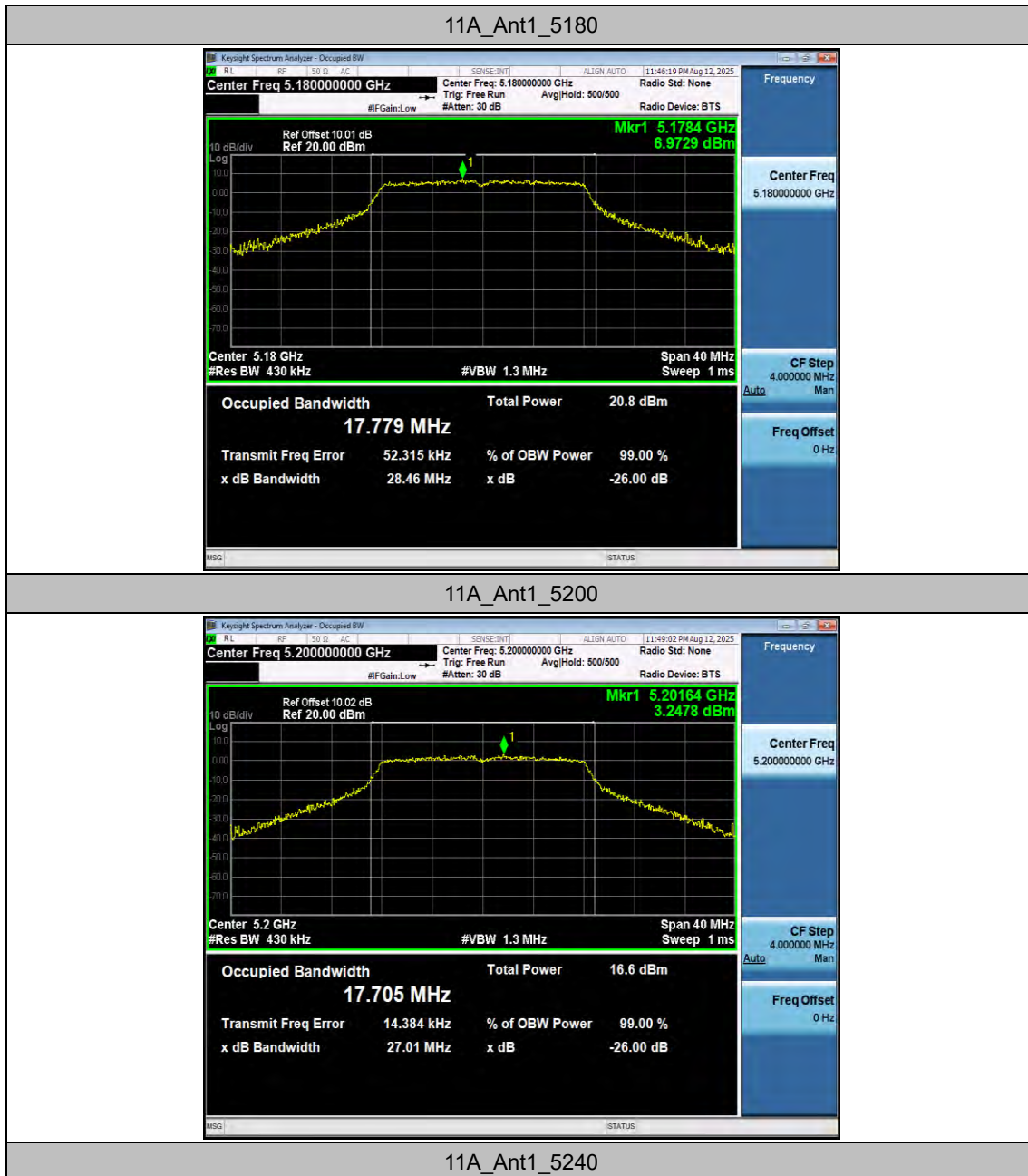


Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.779	5171.1628	5188.9418	---	---
		5200	17.705	5191.1619	5208.8669	---	---
		5240	17.605	5231.2010	5248.8060	---	---
11N20SISO	Ant1	5180	18.759	5170.6965	5189.4555	---	---
		5200	18.739	5190.6871	5209.4261	---	---
		5240	18.761	5230.6254	5249.3864	---	---
11N40SISO	Ant1	5190	37.237	5171.4962	5208.7332	---	---
		5230	37.142	5211.5062	5248.6482	---	---
11AC20SISO	Ant1	5180	18.719	5170.6914	5189.4104	---	---
		5200	18.736	5190.6788	5209.4148	---	---
		5240	18.732	5230.6481	5249.3801	---	---
11AC40SISO	Ant1	5190	37.292	5171.5033	5208.7953	---	---
		5230	37.224	5211.4714	5248.6954	---	---
11AX20SISO	Ant1	5180	19.429	5170.3541	5189.7831	---	---
		5200	19.501	5190.3018	5209.8028	---	---
		5240	19.411	5230.3138	5249.7248	---	---
11AX40SISO	Ant1	5190	38.253	5170.9139	5209.1669	---	---
		5230	38.269	5210.8939	5249.1629	---	---

Test Graphs





11N20SISO_Ant1_5180



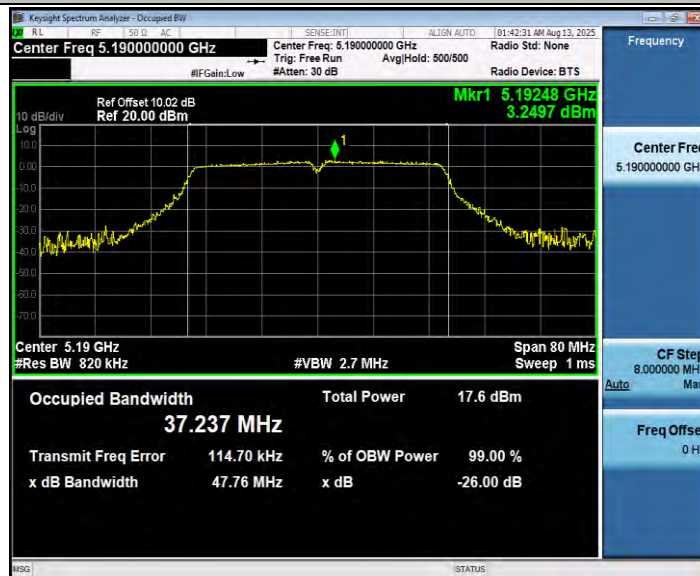
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



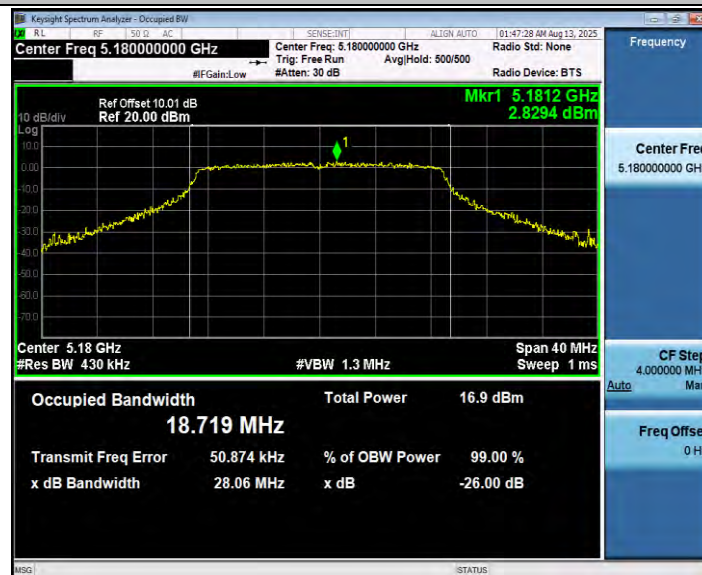
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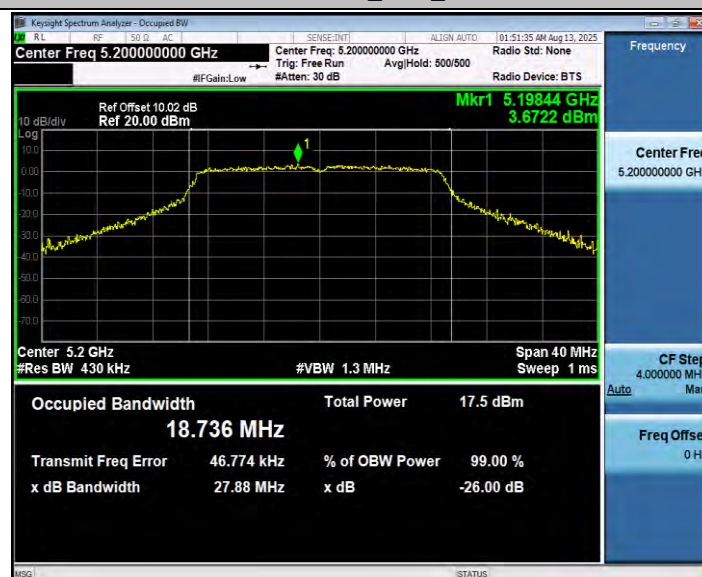
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



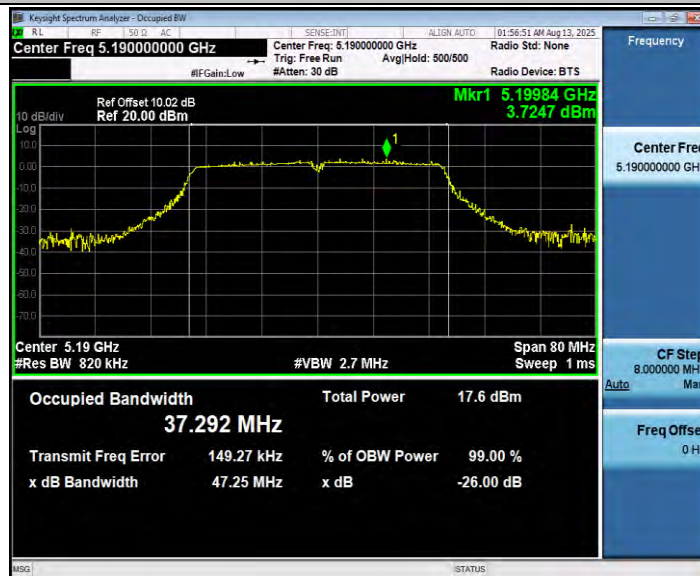
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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



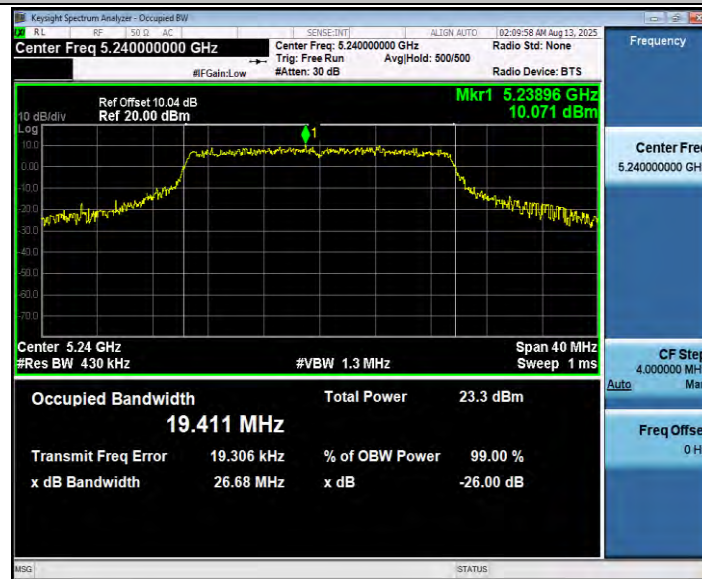
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



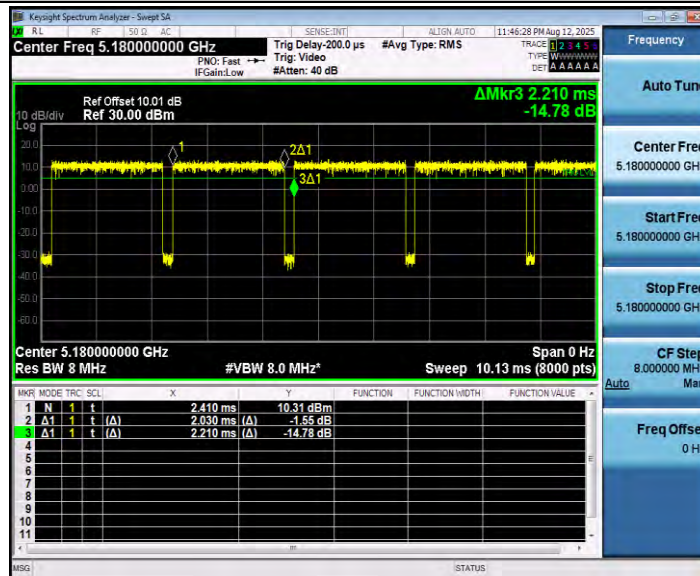
AppendixD.3: Duty Cycle

Test Result

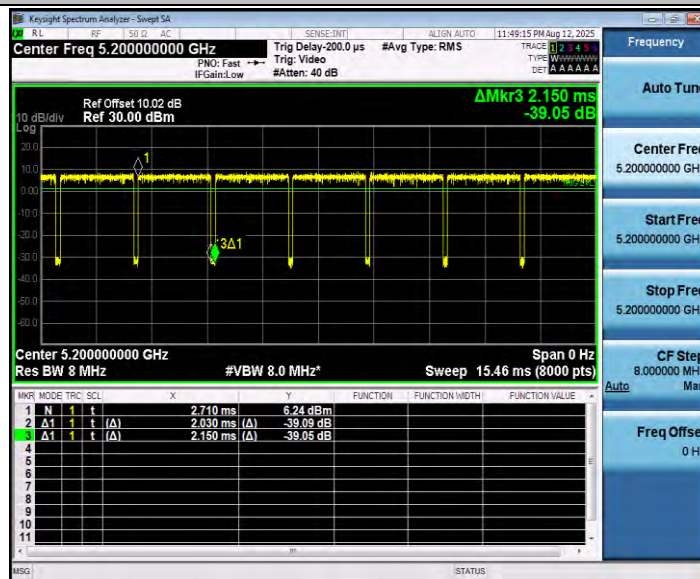
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.21	91.86	0.37	0.49
		5200	2.03	2.15	94.42	0.25	0.49
		5240	2.03	2.16	93.98	0.27	0.49
11N20SISO	Ant1	5180	1.89	2.03	93.10	0.31	0.53
		5200	1.89	2.08	90.87	0.42	0.53
		5240	1.89	2.16	87.50	0.58	0.53
11N40SISO	Ant1	5190	0.93	1.15	80.87	0.92	1.08
		5230	0.93	1.07	86.92	0.61	1.08
11AC20SISO	Ant1	5180	1.90	2.31	82.25	0.85	0.53
		5200	1.90	2.07	91.79	0.37	0.53
		5240	1.46	1.65	88.48	0.53	0.53
11AC40SISO	Ant1	5190	0.94	1.12	83.93	0.76	1.06
		5230	0.94	1.09	86.24	0.64	1.06
11AX20SISO	Ant1	5180	1.46	1.70	85.88	0.66	0.68
		5200	1.46	1.74	83.91	0.76	0.68
		5240	1.46	1.65	88.48	0.53	0.68
11AX40SISO	Ant1	5190	0.76	0.98	77.55	1.10	1.32
		5230	0.94	1.09	86.24	0.64	1.32

Test Graphs

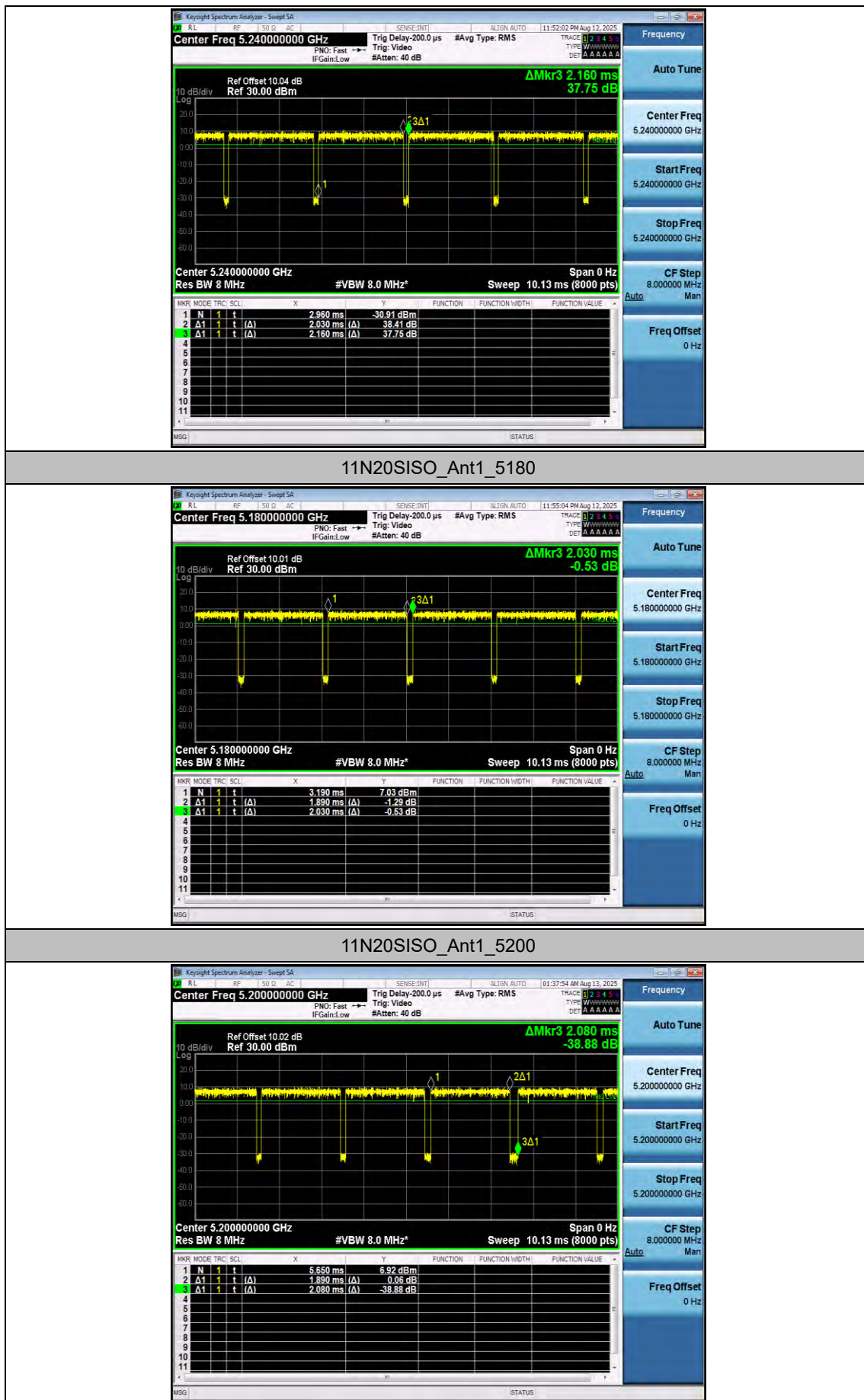
11A_Ant1_5180



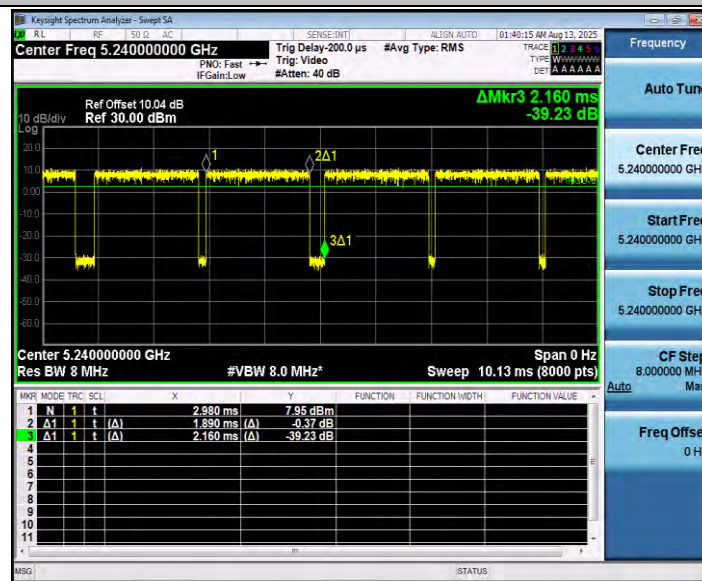
11A_Ant1_5200



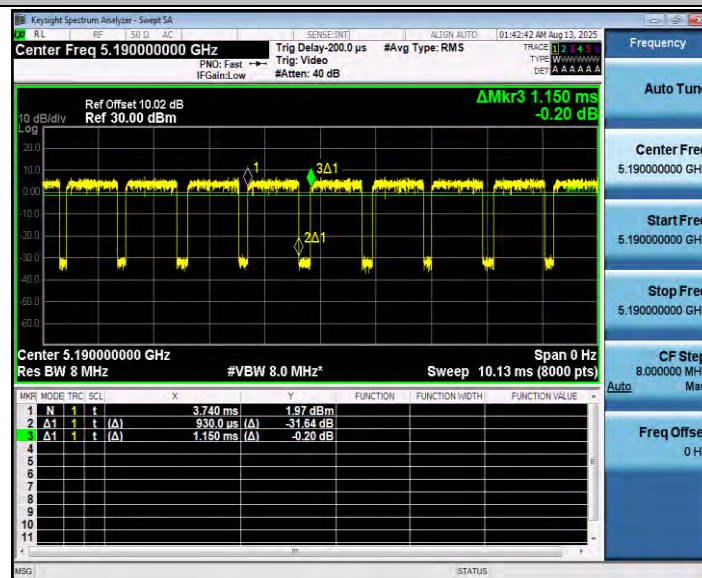
11A_Ant1_5240



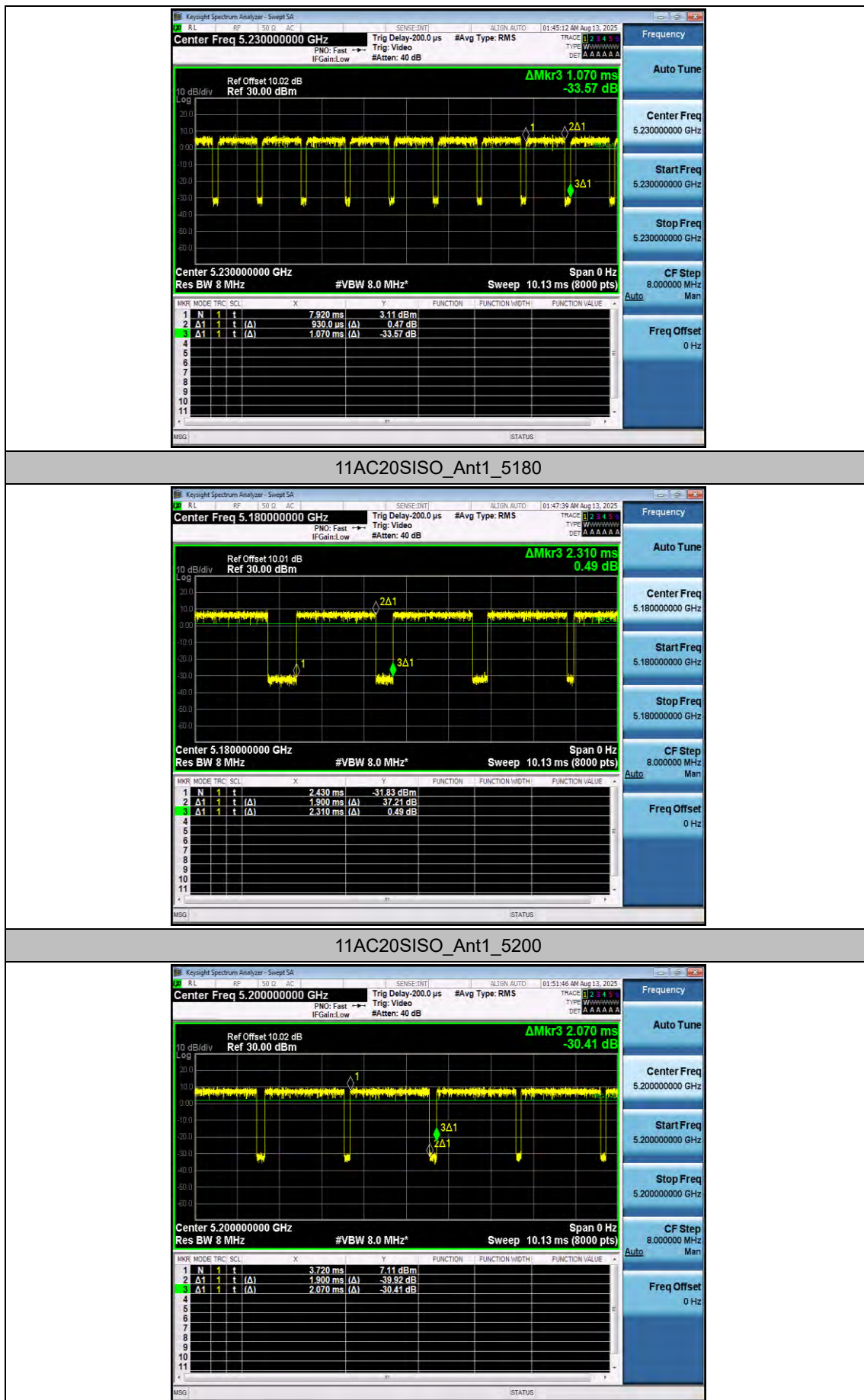
11N20SISO_Ant1_5240

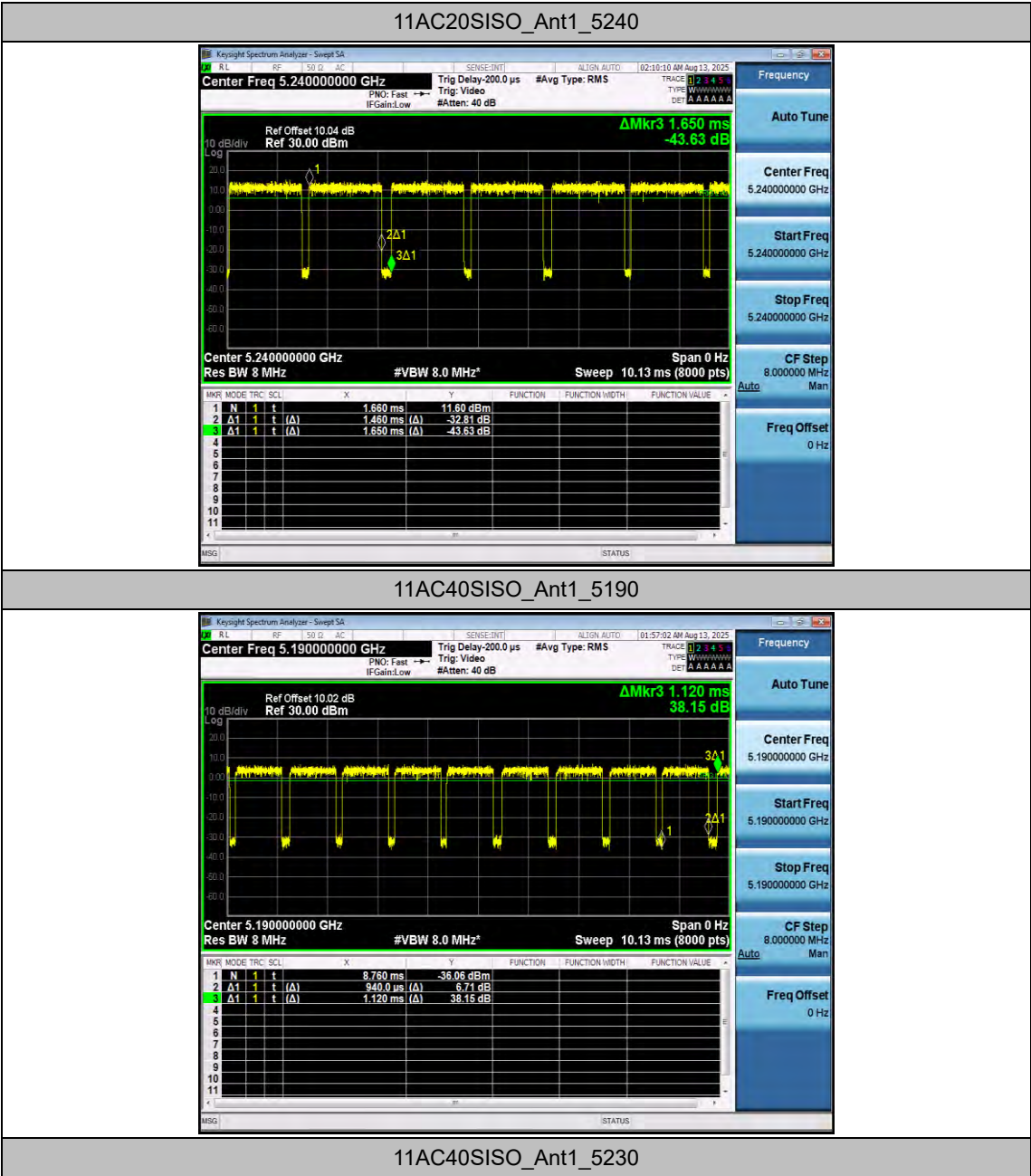


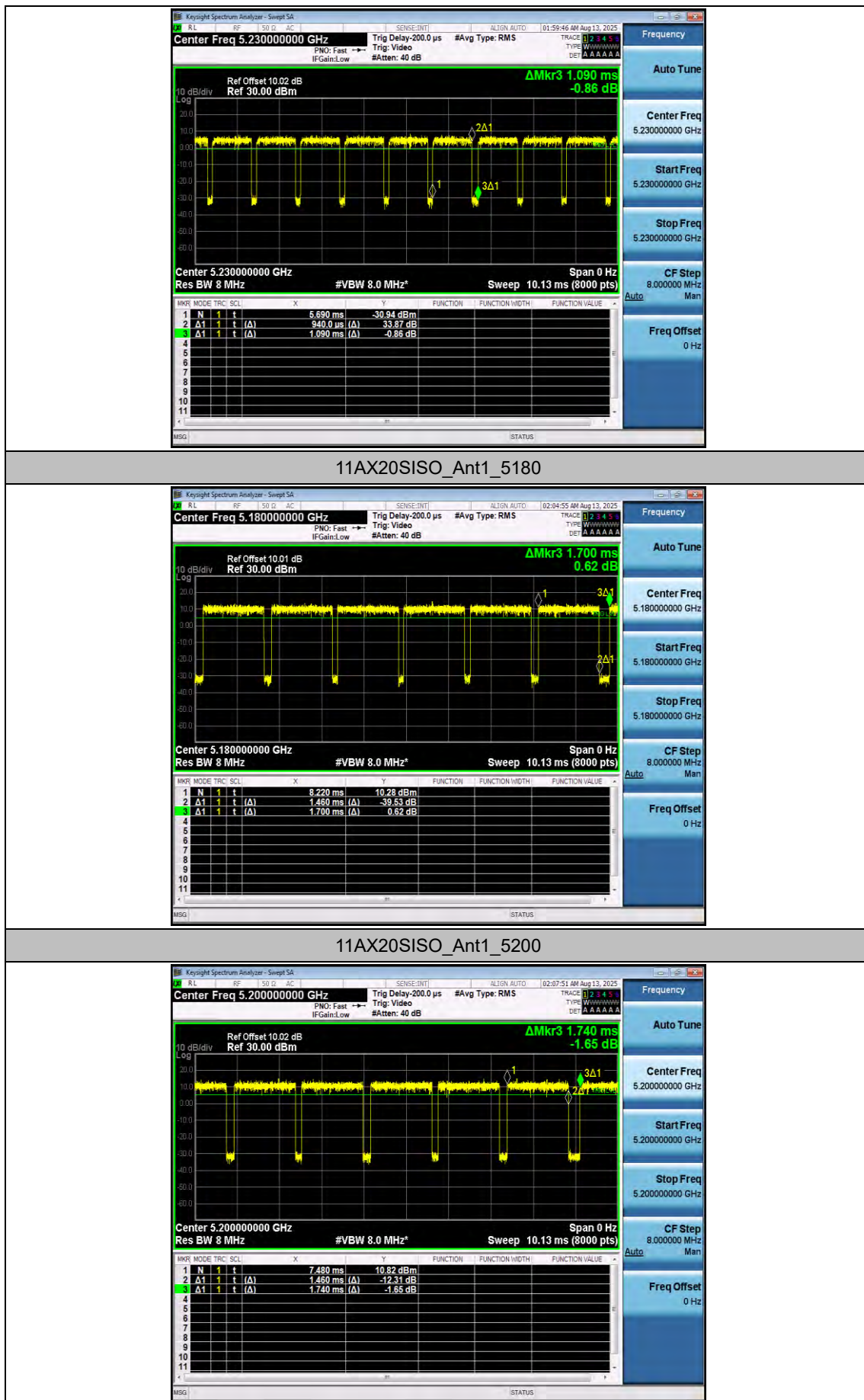
11N40SISO_Ant1_5190

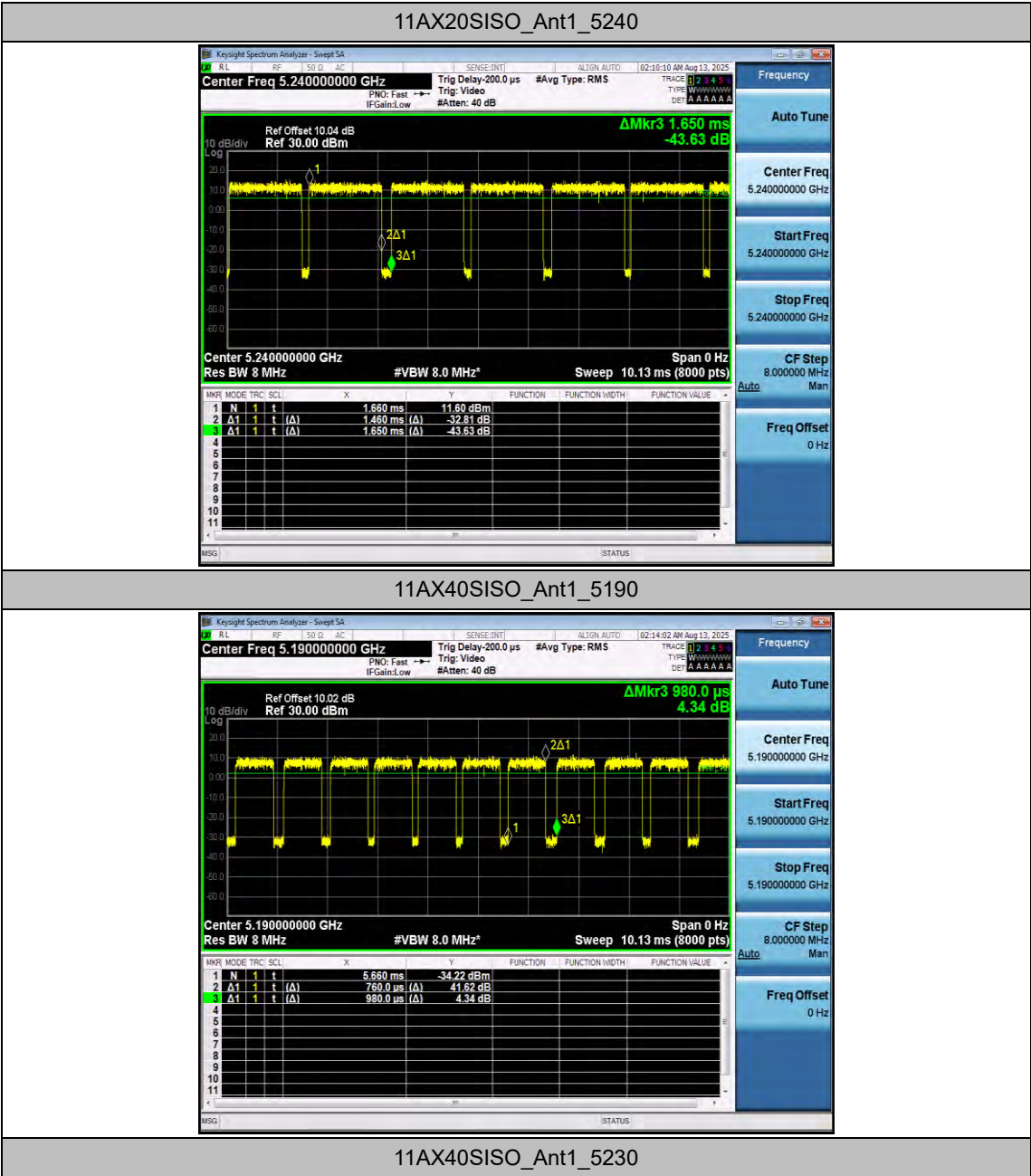


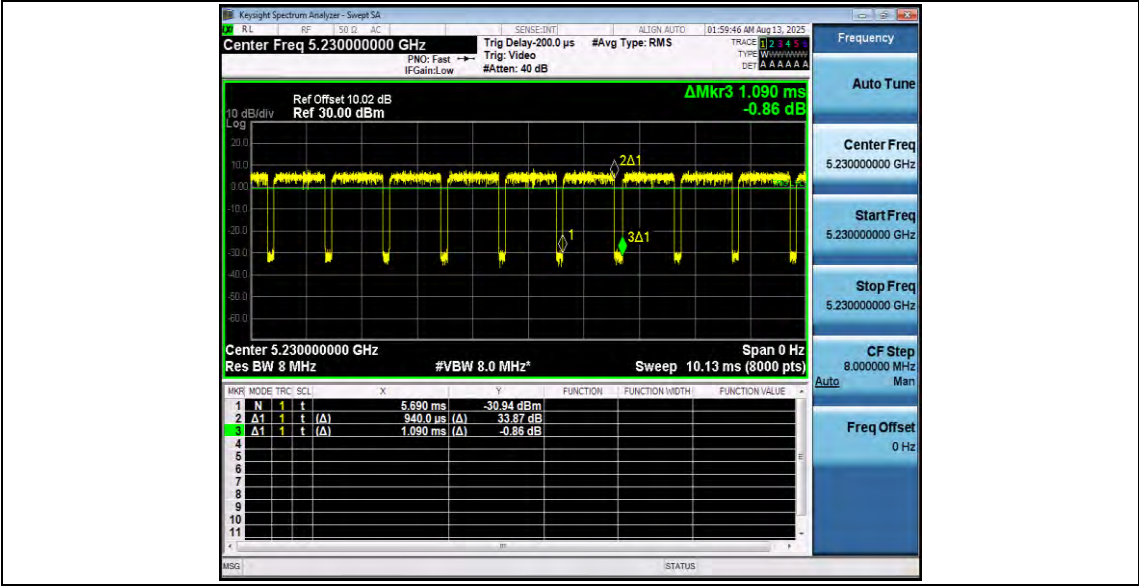
11N40SISO_Ant1_5230











Appendix D.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	5180	13.57	91.86	0.37	13.94	≤23.98	PASS
		5200	9.30	94.42	0.25	9.55	≤23.98	PASS
		5240	10.18	93.98	0.27	10.45	≤23.98	PASS
11N20SISO	Ant1	5180	9.60	93.10	0.31	9.91	≤23.98	PASS
		5200	10.24	90.87	0.42	10.66	≤23.98	PASS
		5240	10.88	87.50	0.58	11.46	≤23.98	PASS
11N40SISO	Ant1	5190	9.54	80.87	0.92	10.46	≤23.98	PASS
		5230	10.45	86.92	0.61	11.06	≤23.98	PASS
11AC20SISO	Ant1	5180	9.73	82.25	0.85	10.58	≤23.98	PASS
		5200	10.35	91.79	0.37	10.72	≤23.98	PASS
		5240	10.86	88.48	0.53	11.39	≤23.98	PASS
11AC40SISO	Ant1	5190	9.49	83.93	0.76	10.25	≤23.98	PASS
		5230	10.42	86.24	0.64	11.06	≤23.98	PASS
11AX20SISO	Ant1	5180	13.29	85.88	0.66	13.95	≤23.98	PASS
		5200	13.74	83.91	0.76	14.50	≤23.98	PASS
		5240	14.14	88.48	0.53	14.67	≤23.98	PASS
11AX40SISO	Ant1	5190	12.87	77.55	1.10	13.97	≤23.98	PASS
		5230	13.38	86.24	0.64	14.02	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.71	≤11.00	PASS
		5200	-1.46	≤11.00	PASS
		5240	-0.62	≤11.00	PASS
11N20SISO	Ant1	5180	-1.25	≤11.00	PASS
		5200	-0.48	≤11.00	PASS
		5240	0.33	≤11.00	PASS
11N40SISO	Ant1	5190	-3.64	≤11.00	PASS
		5230	-3.11	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.74	≤11.00	PASS
		5200	-0.51	≤11.00	PASS
		5240	0.21	≤11.00	PASS
11AC40SISO	Ant1	5190	-3.81	≤11.00	PASS
		5230	-3.03	≤11.00	PASS
11AX20SISO	Ant1	5180	2.40	≤11.00	PASS
		5200	3.09	≤11.00	PASS
		5240	3.55	≤11.00	PASS
11AX40SISO	Ant1	5190	-0.24	≤11.00	PASS
		5230	2.84	≤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 Factoriscompensatedinthe graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



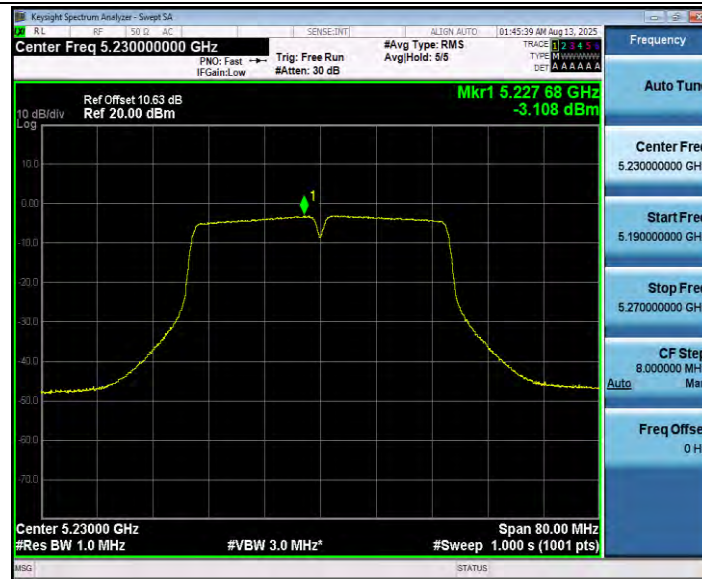
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



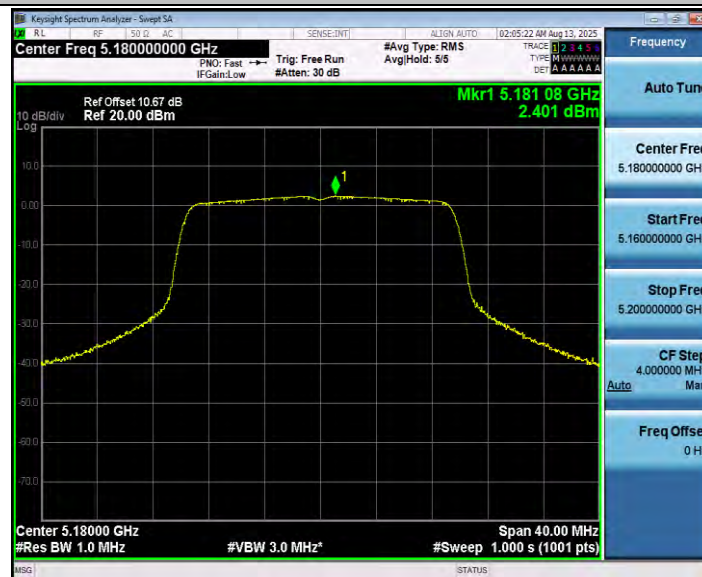
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



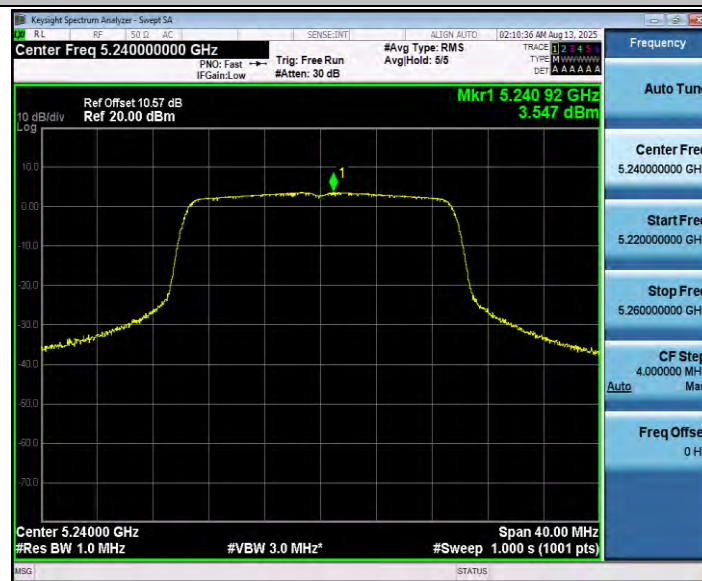
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11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

