

Case No. : <u>GTS20251018005-2-04</u>
Ambient Condition: <u>22</u> °C, <u>47</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.10.24-2025.11.17</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	25.080	5167.280	5192.360	---	---
		5200	24.960	5187.280	5212.240	---	---
		5240	25.560	5226.360	5251.920	---	---
11N20SISO	Ant1	5180	25.320	5167.240	5192.560	---	---
		5200	26.240	5186.720	5212.960	---	---
		5240	25.440	5227.240	5252.680	---	---
11N40SISO	Ant1	5190	46.080	5167.360	5213.440	---	---
		5230	46.000	5207.040	5253.040	---	---
11AC20SISO	Ant1	5180	26.800	5166.520	5193.320	---	---
		5200	25.960	5186.440	5212.400	---	---
		5240	26.520	5226.440	5252.960	---	---
11AC40SISO	Ant1	5190	46.240	5166.880	5213.120	---	---
		5230	45.760	5206.960	5252.720	---	---
11AC80SISO	Ant1	5210	87.520	5166.320	5253.840	---	---
11AX20SISO	Ant1	5180	25.160	5167.520	5192.680	---	---
		5200	24.760	5187.880	5212.640	---	---
		5240	24.520	5227.840	5252.360	---	---
11AX40SISO	Ant1	5190	44.880	5167.680	5212.560	---	---
		5230	45.040	5207.680	5252.720	---	---
11AX80SISO	Ant1	5210	85.440	5167.120	5252.560	---	---

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



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

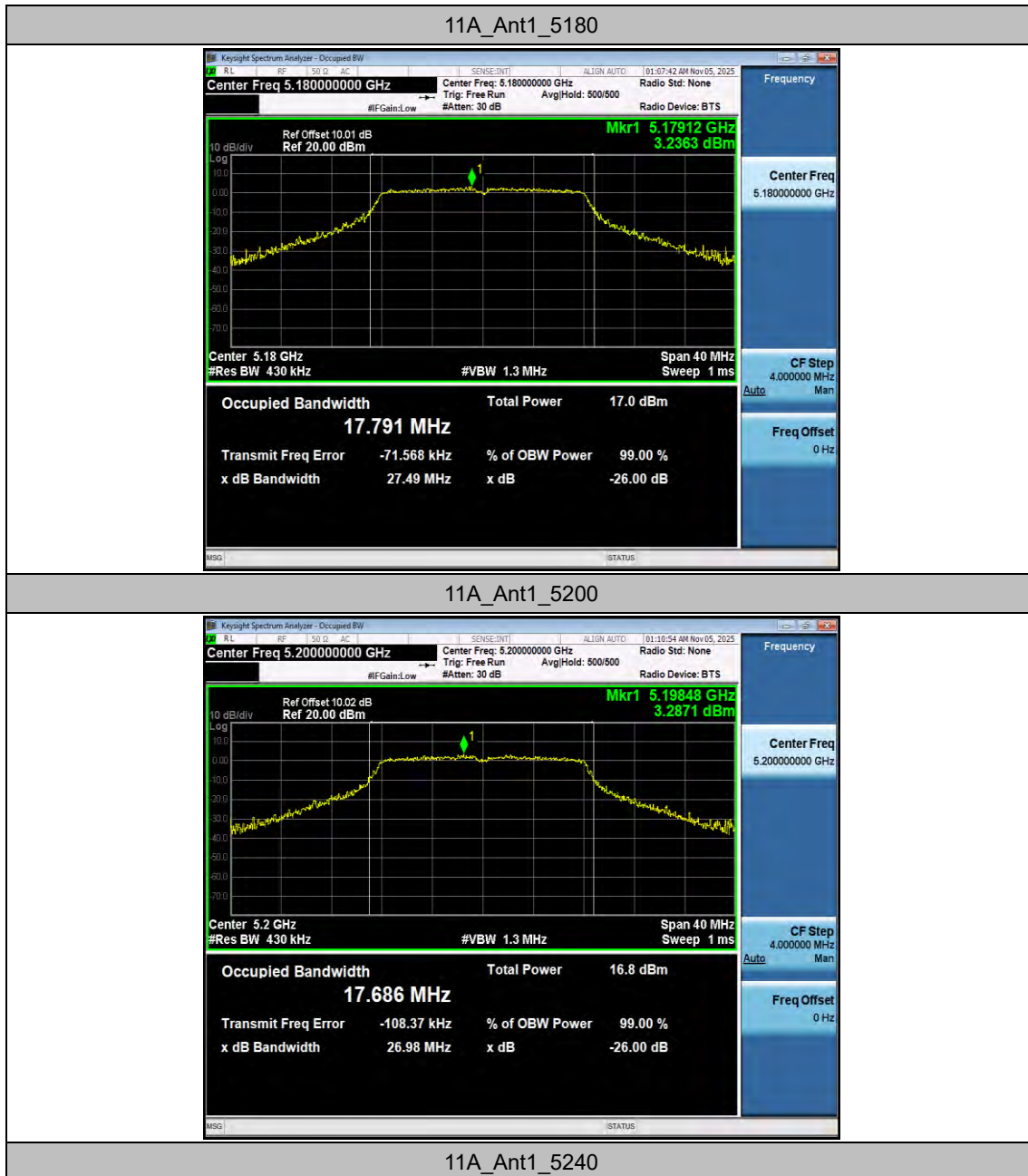


Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.791	5171.0329	5188.8239	---	---
		5200	17.686	5191.0486	5208.7346	---	---
		5240	17.620	5231.0690	5248.6890	---	---
11N20SISO	Ant1	5180	18.752	5170.5965	5189.3485	---	---
		5200	18.737	5190.5884	5209.3254	---	---
		5240	18.716	5230.5747	5249.2907	---	---
11N40SISO	Ant1	5190	37.040	5171.5129	5208.5529	---	---
		5230	37.169	5211.3737	5248.5427	---	---
11AC20SISO	Ant1	5180	18.737	5170.6227	5189.3597	---	---
		5200	18.813	5190.5826	5209.3956	---	---
		5240	18.756	5230.6005	5249.3565	---	---
11AC40SISO	Ant1	5190	37.298	5171.3566	5208.6546	---	---
		5230	37.361	5211.3164	5248.6774	---	---
11AC80SISO	Ant1	5210	76.311	5171.8453	5248.1563	---	---
11AX20SISO	Ant1	5180	19.487	5170.2338	5189.7208	---	---
		5200	19.589	5190.2176	5209.8066	---	---
		5240	19.471	5230.2781	5249.7491	---	---
11AX40SISO	Ant1	5190	38.297	5170.8557	5209.1527	---	---
		5230	38.214	5210.8236	5249.0376	---	---
11AX80SISO	Ant1	5210	77.786	5171.1242	5248.9102	---	---

Test Graphs

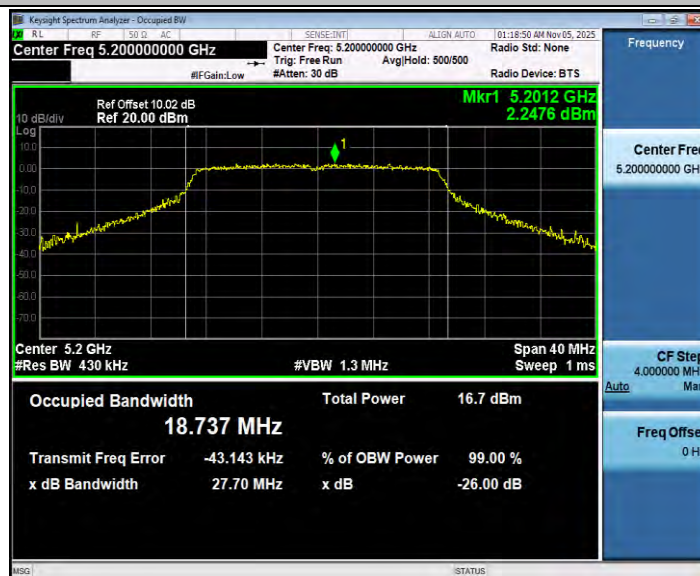




11N20SISO_Ant1_5180



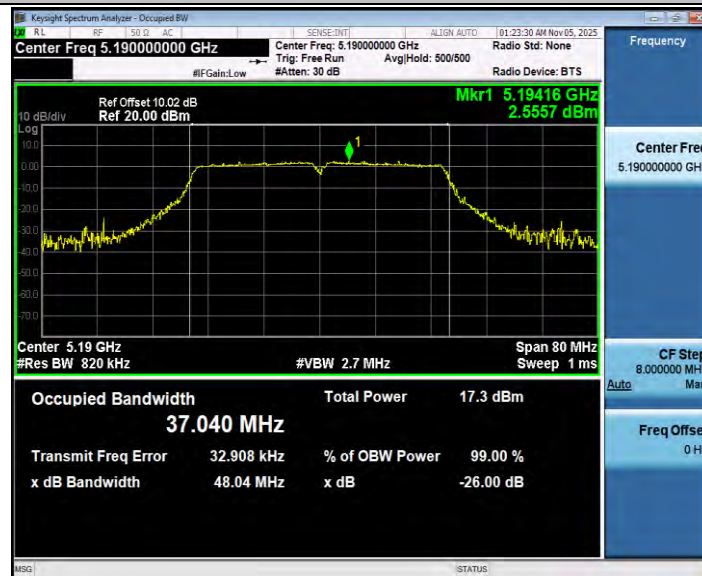
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11N20SISO_Ant1_5240



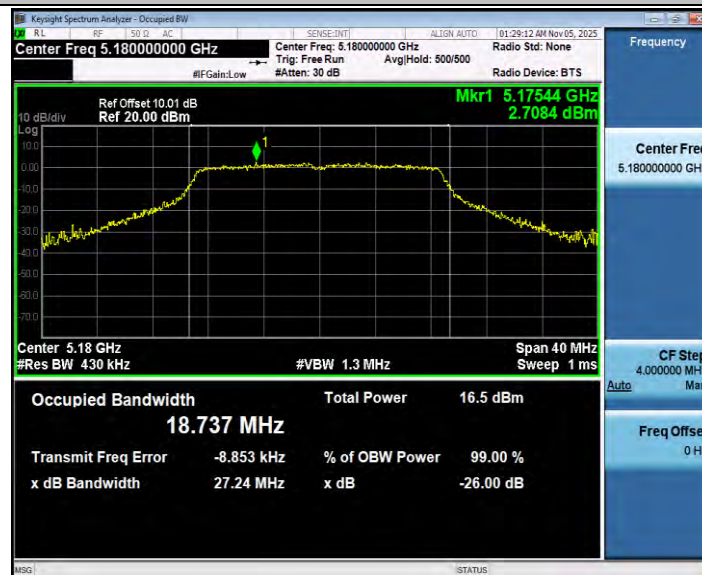
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11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



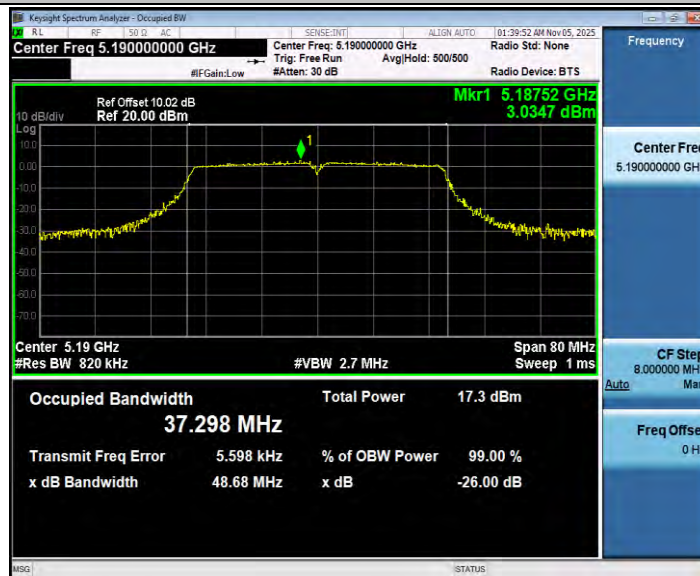
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11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



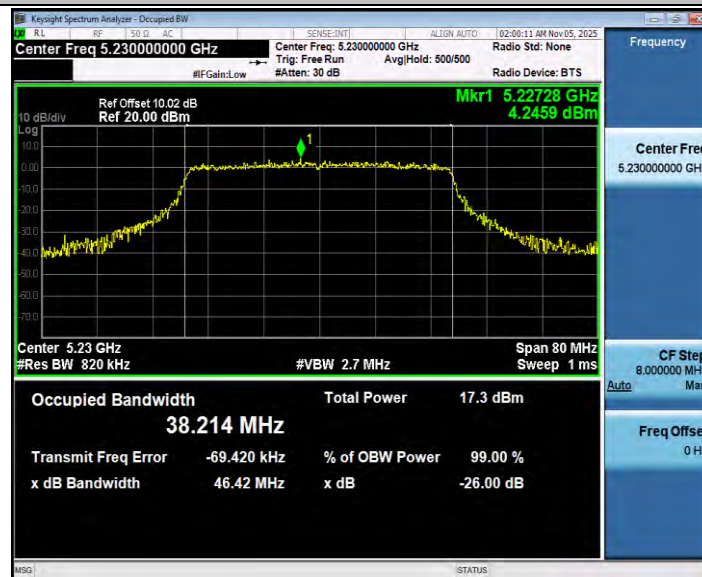
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11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

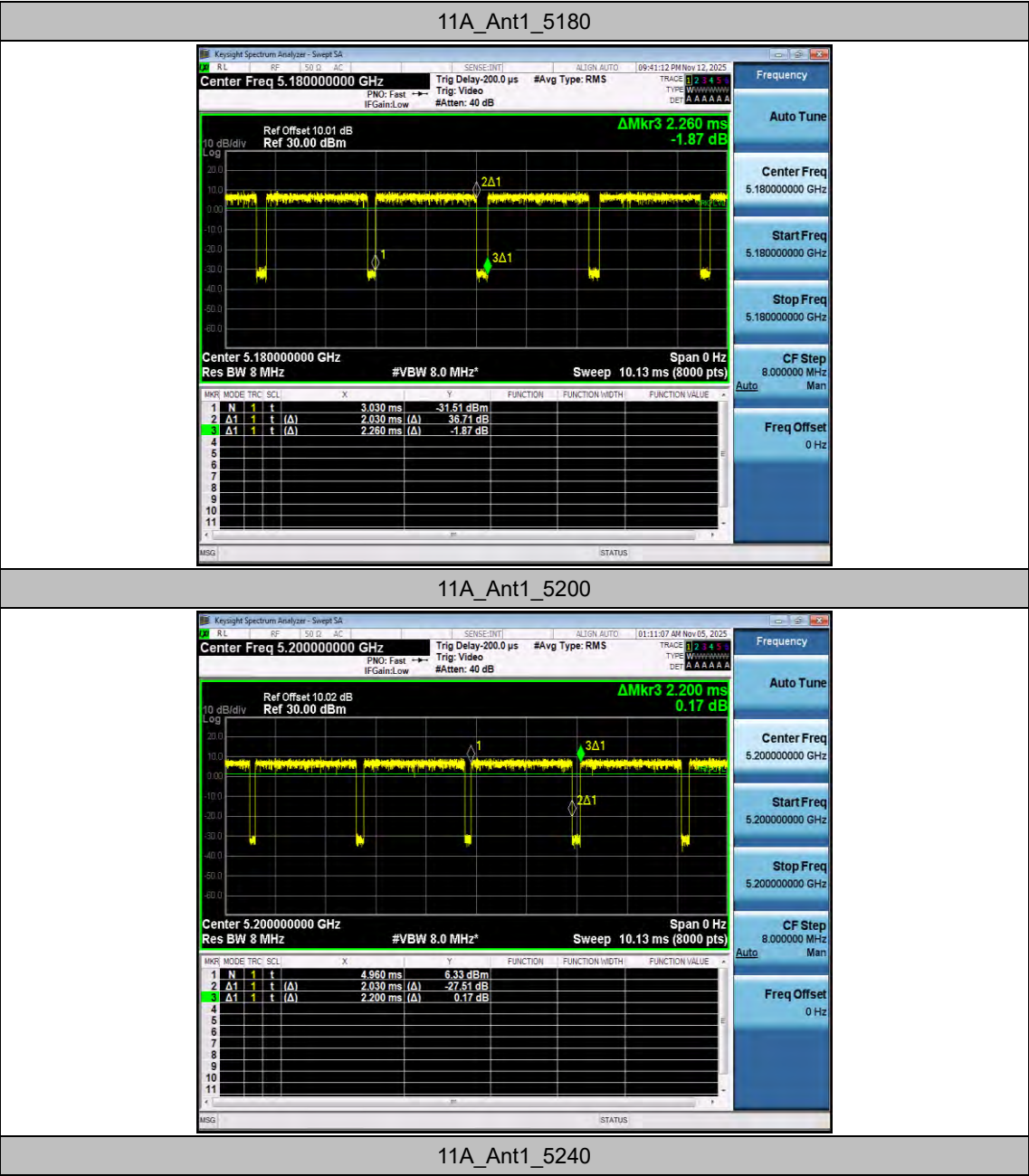


Appendix D.3: Duty Cycle

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	2.26	89.82	0.47	0.49
		5200	2.03	2.20	92.27	0.35	0.49
		5240	2.03	2.27	89.43	0.49	0.49
11N20SISO	Ant1	5180	1.89	2.11	89.57	0.48	0.53
		5200	1.89	2.05	92.20	0.35	0.53
		5240	1.89	2.07	91.30	0.40	0.53
11N40SISO	Ant1	5190	0.93	1.11	83.78	0.77	1.08
		5230	0.93	1.09	85.32	0.69	1.08
11AC20SISO	Ant1	5180	1.90	2.14	88.79	0.52	0.53
		5200	1.90	2.08	91.35	0.39	0.53
		5240	1.90	2.07	91.79	0.37	0.53
11AC40SISO	Ant1	5190	0.94	1.10	85.45	0.68	1.06
		5230	0.93	1.08	86.11	0.65	1.08
11AC80SISO	Ant1	5210	0.45	0.67	67.16	1.73	2.22
11AX20SISO	Ant1	5180	1.46	1.66	87.95	0.56	0.68
		5200	1.46	1.62	90.12	0.45	0.68
		5240	1.46	1.68	86.90	0.61	0.68
11AX40SISO	Ant1	5190	0.77	0.99	77.78	1.09	1.30
		5230	0.76	0.90	84.44	0.73	1.32
11AX80SISO	Ant1	5210	0.40	0.63	63.49	1.97	2.50

Test Graphs



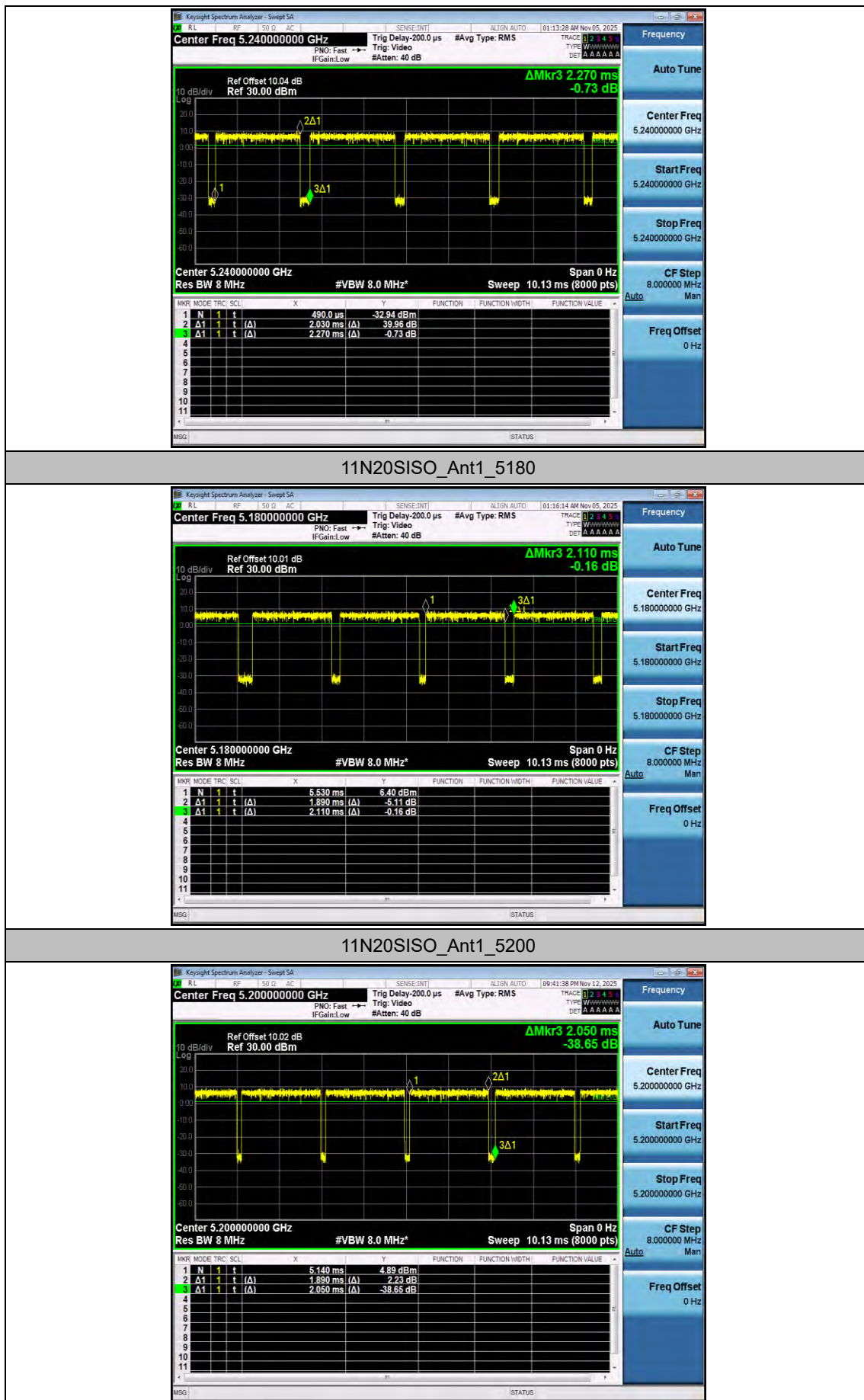
11A_Ant1_5200

Frequency

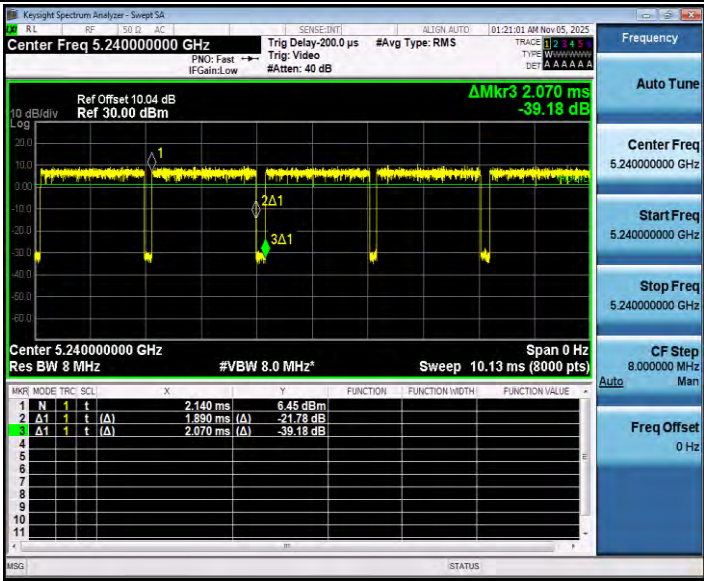
Auto Tune

Center Freq
5.200000000 GHzStart Freq
5.200000000 GHzStop Freq
5.200000000 GHzCF Step
8.0000000 MHzFreq Offset
0 Hz

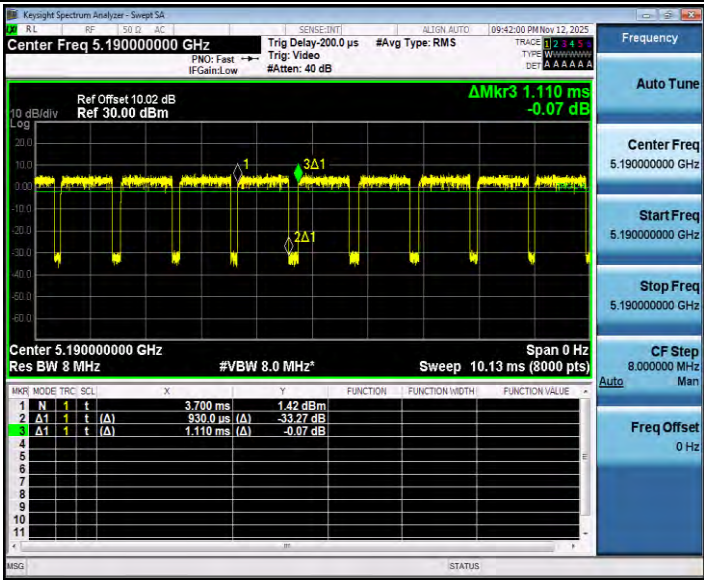
11A_Ant1_5240



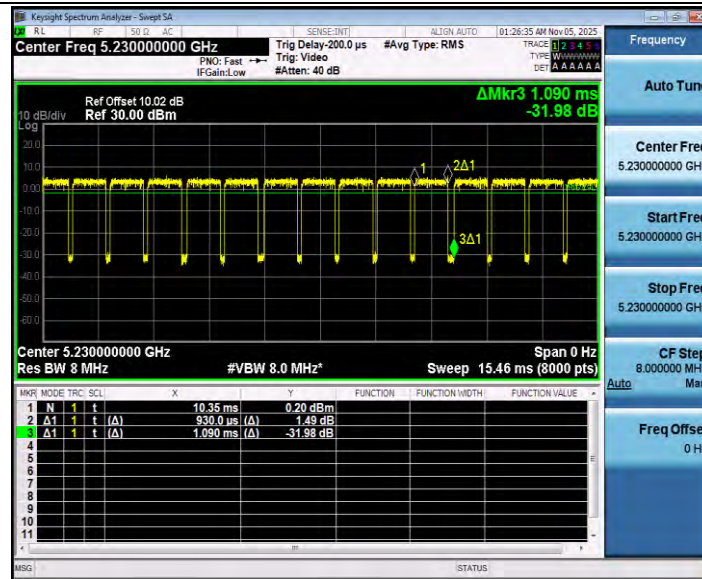
11N20SISO_Ant1_5240



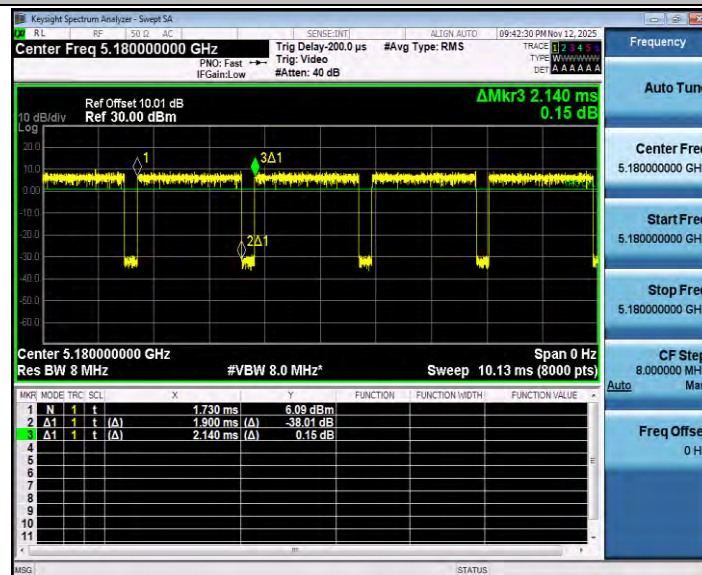
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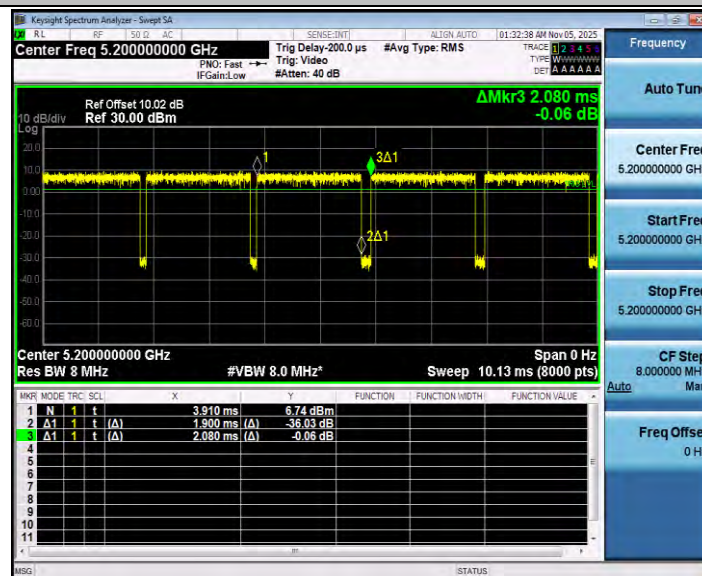
11N40SISO_Ant1_5230



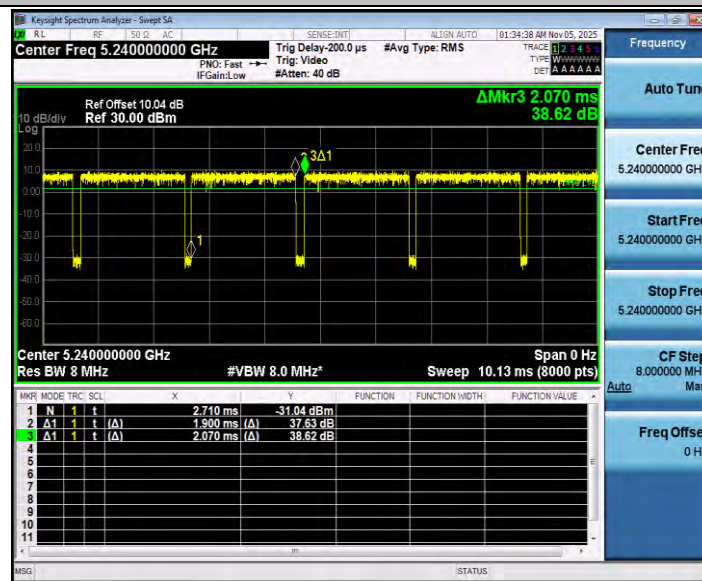
11AC20SISO_Ant1_5180



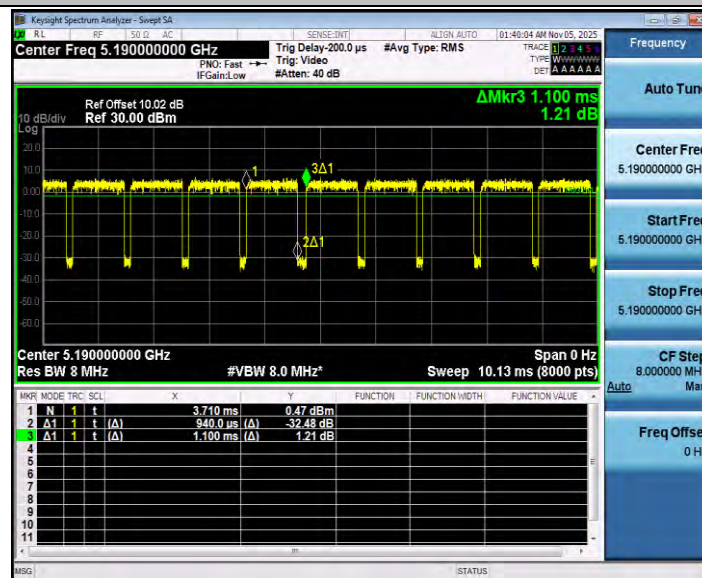
11AC20SISO_Ant1_5200



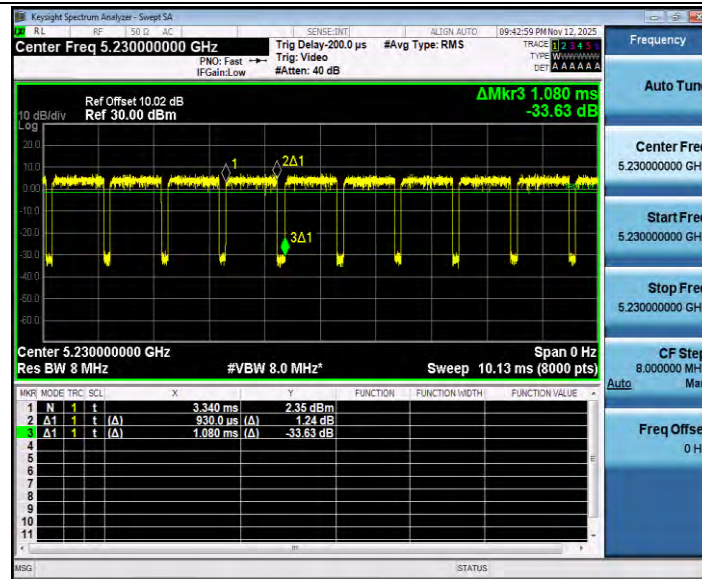
11AC20SISO_Ant1_5240



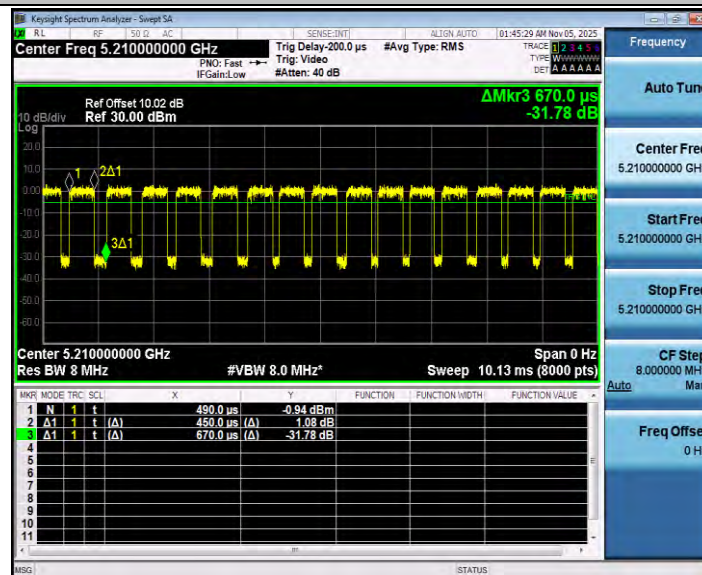
11AC40SISO_Ant1_5190



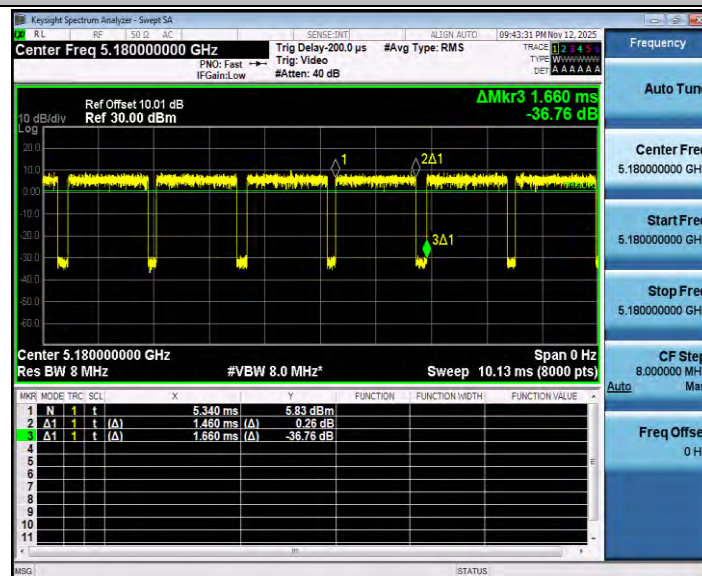
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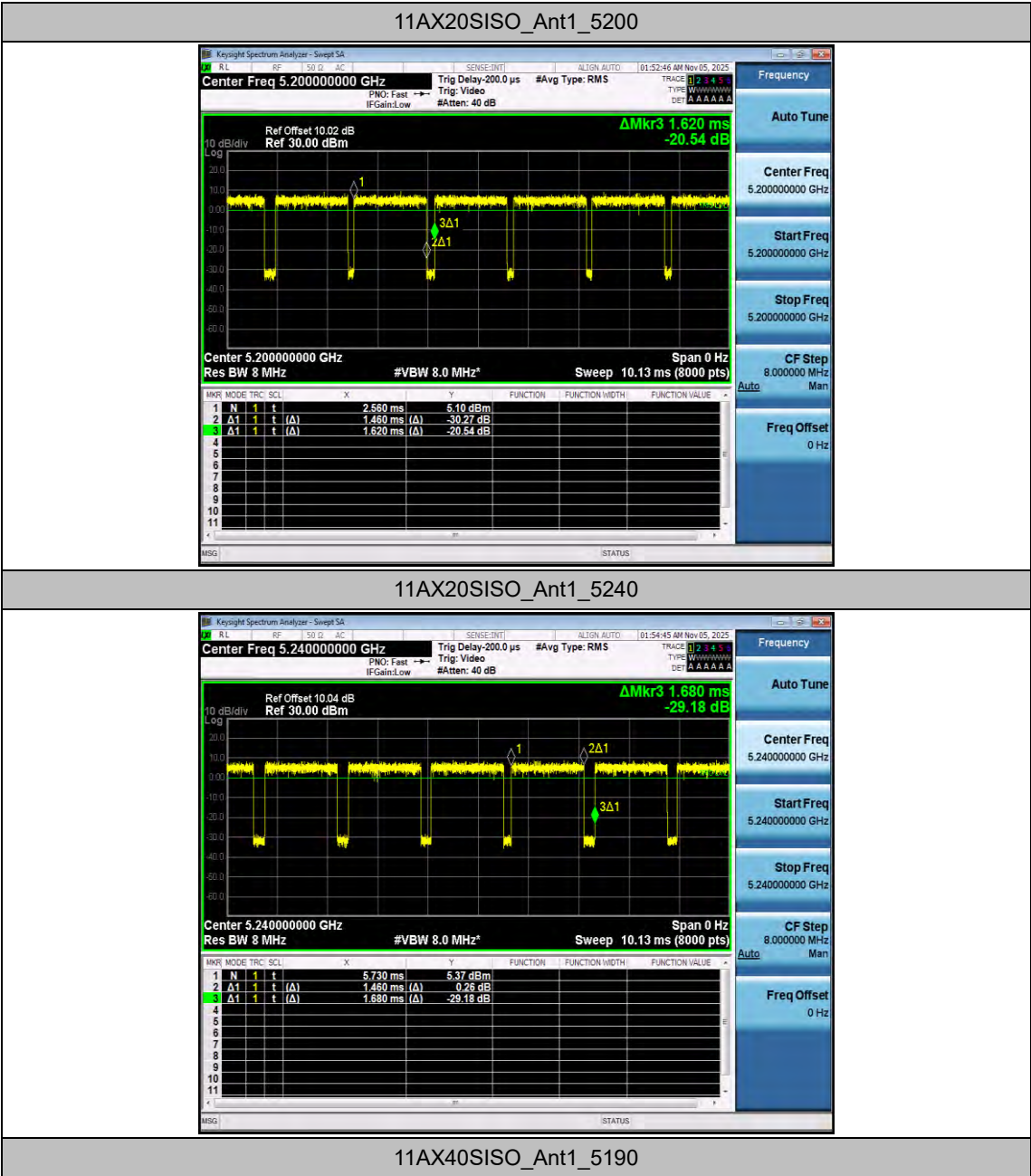


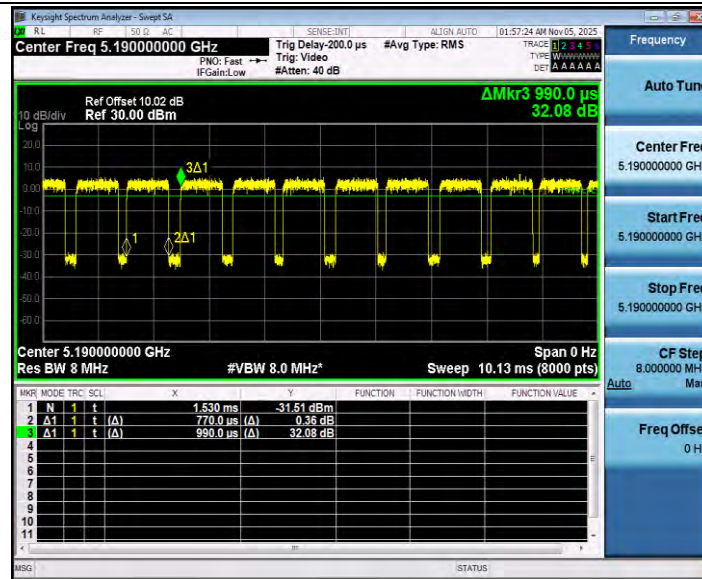
11AC80SISO_Ant1_5210



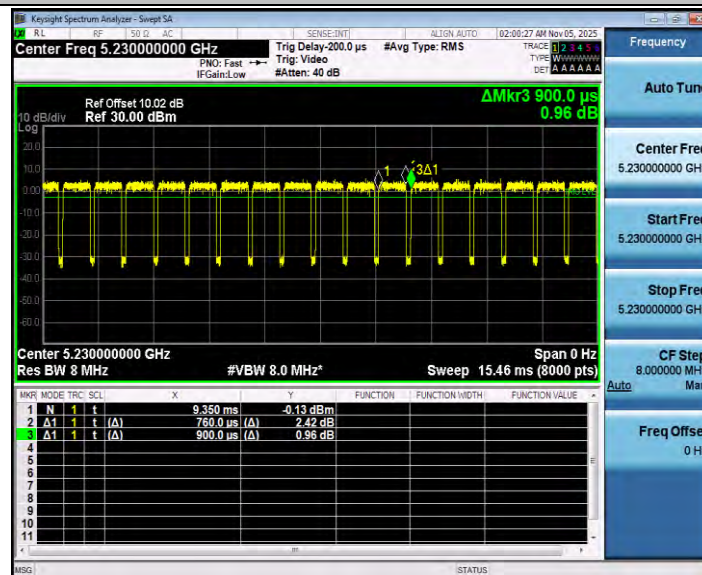
11AX20SISO_Ant1_5180



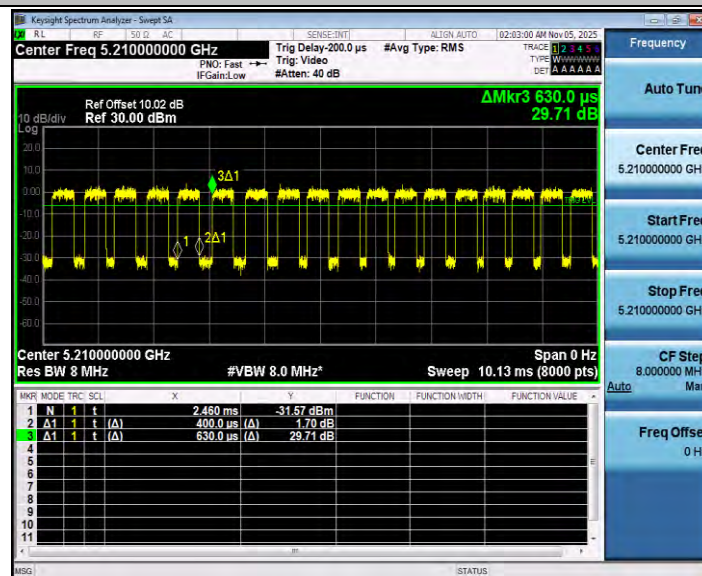




11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



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	9.58	89.82	0.47	10.05	≤23.98	PASS
		5200	8.88	92.27	0.35	9.23	≤23.98	PASS
		5240	7.60	89.43	0.49	8.09	≤23.98	PASS
11N20SISO	Ant1	5180	9.30	89.57	0.48	9.78	≤23.98	PASS
		5200	9.45	92.20	0.35	9.80	≤23.98	PASS
		5240	7.82	91.30	0.40	8.22	≤23.98	PASS
11N40SISO	Ant1	5190	10.52	83.78	0.77	11.29	≤23.98	PASS
		5230	8.54	85.32	0.69	9.23	≤23.98	PASS
11AC20SISO	Ant1	5180	11.35	88.79	0.52	11.87	≤23.98	PASS
		5200	9.70	91.35	0.39	10.09	≤23.98	PASS
		5240	9.80	91.79	0.37	10.17	≤23.98	PASS
11AC40SISO	Ant1	5190	9.29	85.45	0.68	9.97	≤23.98	PASS
		5230	11.02	86.11	0.65	11.67	≤23.98	PASS
11AC80SISO	Ant1	5210	8.10	67.16	1.73	9.83	≤23.98	PASS
11AX20SISO	Ant1	5180	8.30	87.95	0.56	8.86	≤23.98	PASS
		5200	8.15	90.12	0.45	8.60	≤23.98	PASS
		5240	8.27	86.90	0.61	8.88	≤23.98	PASS
11AX40SISO	Ant1	5190	7.49	77.78	1.09	8.58	≤23.98	PASS
		5230	7.41	84.44	0.73	8.14	≤23.98	PASS
11AX80SISO	Ant1	5210	7.11	63.49	1.97	9.08	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

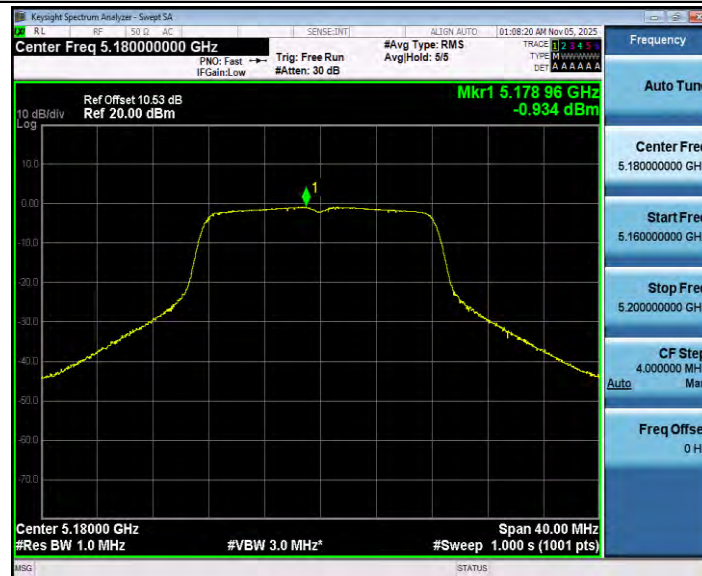
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-0.93	≤11.00	PASS
		5200	-0.66	≤11.00	PASS
		5240	-0.90	≤11.00	PASS
11N20SISO	Ant1	5180	-1.52	≤11.00	PASS
		5200	-1.07	≤11.00	PASS
		5240	-1.12	≤11.00	PASS
11N40SISO	Ant1	5190	-2.76	≤11.00	PASS
		5230	-4.24	≤11.00	PASS
11AC20SISO	Ant1	5180	1.01	≤11.00	PASS
		5200	-1.16	≤11.00	PASS
		5240	-1.00	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.19	≤11.00	PASS
		5230	-1.93	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.85	≤11.00	PASS
11AX20SISO	Ant1	5180	-2.79	≤11.00	PASS
		5200	-2.85	≤11.00	PASS
		5240	-2.56	≤11.00	PASS
11AX40SISO	Ant1	5190	-5.60	≤11.00	PASS
		5230	-5.65	≤11.00	PASS
11AX80SISO	Ant1	5210	-8.05	≤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 Factor and RBW Factor is compensated in the 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



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

