

Case No. : <u>GTS20241108022-2-04</u>	
Ambient Condition: <u>22</u> °C, <u>48</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.23</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	24.960	5167.240	5192.200	---	---
		5200	24.920	5187.480	5212.400	---	---
		5240	24.640	5227.560	5252.200	---	---
11N20SISO	Ant1	5180	25.720	5167.400	5193.120	---	---
		5200	25.640	5187.280	5212.920	---	---
		5240	25.760	5227.040	5252.800	---	---
11N40SISO	Ant1	5190	45.680	5167.440	5213.120	---	---
		5230	45.280	5206.880	5252.160	---	---
11AC20SISO	Ant1	5180	25.400	5167.160	5192.560	---	---
		5200	25.200	5187.280	5212.480	---	---
		5240	25.320	5227.600	5252.920	---	---
11AC40SISO	Ant1	5190	45.840	5167.200	5213.040	---	---
		5230	46.400	5206.880	5253.280	---	---
11AC80SISO	Ant1	5210	88.000	5166.480	5254.480	---	---
11AX20SISO	Ant1	5180	24.760	5167.640	5192.400	---	---
		5200	25.040	5187.640	5212.680	---	---
		5240	25.520	5227.200	5252.720	---	---
11AX40SISO	Ant1	5190	44.080	5167.840	5211.920	---	---
		5230	43.760	5208.240	5252.000	---	---
11AX80SISO	Ant1	5210	87.040	5166.960	5254.000	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



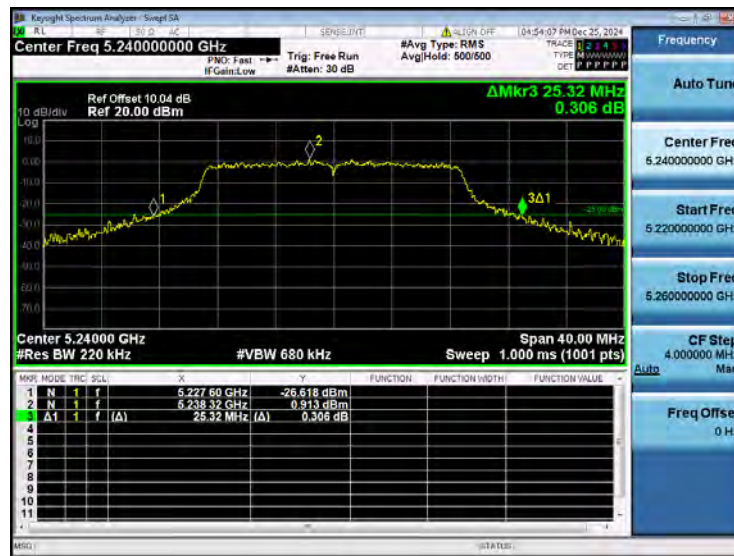
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180







11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



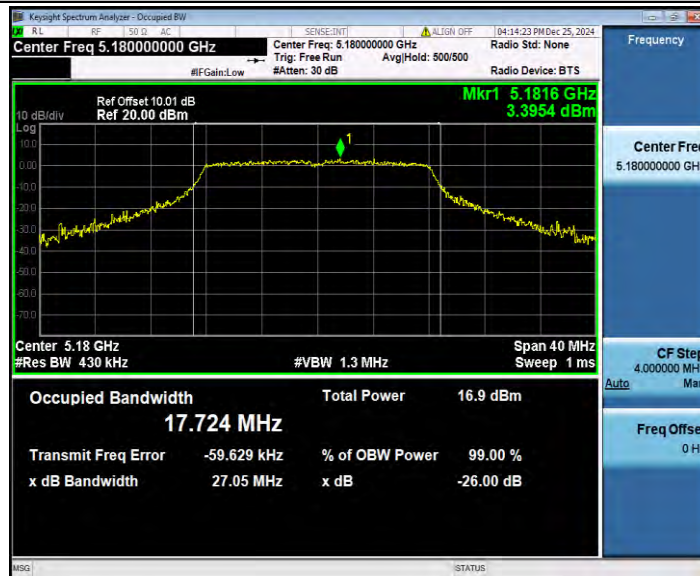
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.724	5171.0784	5188.8024	---	---
		5200	17.711	5191.0734	5208.7844	---	---
		5240	17.693	5230.9991	5248.6921	---	---
11N20SISO	Ant1	5180	18.778	5170.5934	5189.3714	---	---
		5200	18.762	5190.6350	5209.3970	---	---
		5240	18.734	5230.5688	5249.3028	---	---
11N40SISO	Ant1	5190	37.208	5171.4580	5208.6660	---	---
		5230	37.225	5211.4012	5248.6262	---	---
11AC20SISO	Ant1	5180	18.737	5170.6395	5189.3765	---	---
		5200	18.739	5190.6405	5209.3795	---	---
		5240	18.679	5230.6097	5249.2887	---	---
11AC40SISO	Ant1	5190	37.208	5171.4627	5208.6707	---	---
		5230	37.366	5211.3329	5248.6989	---	---
11AC80SISO	Ant1	5210	76.583	5171.8696	5248.4526	---	---
11AX20SISO	Ant1	5180	19.462	5170.2937	5189.7557	---	---
		5200	19.451	5190.3060	5209.7570	---	---
		5240	19.499	5230.2561	5249.7551	---	---
11AX40SISO	Ant1	5190	38.294	5170.9166	5209.2106	---	---
		5230	38.322	5210.7976	5249.1196	---	---
11AX80SISO	Ant1	5210	77.655	5171.2765	5248.9315	---	---

Test Graphs

11A_Ant1_5180



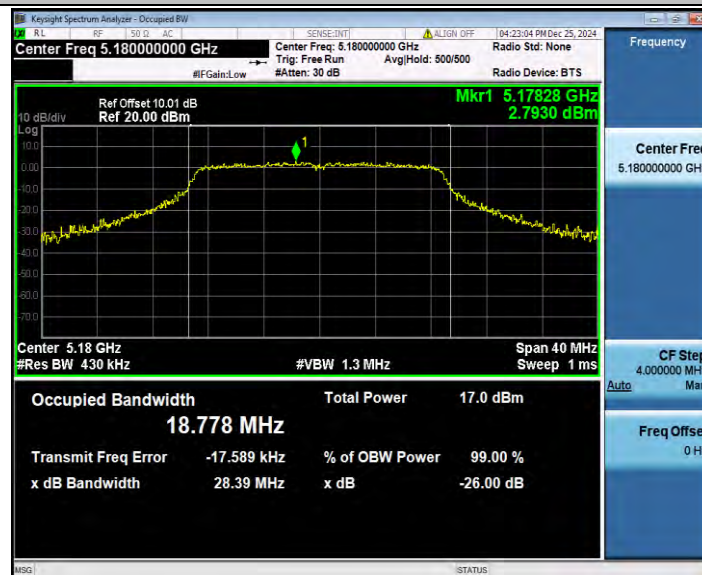
11A_Ant1_5200



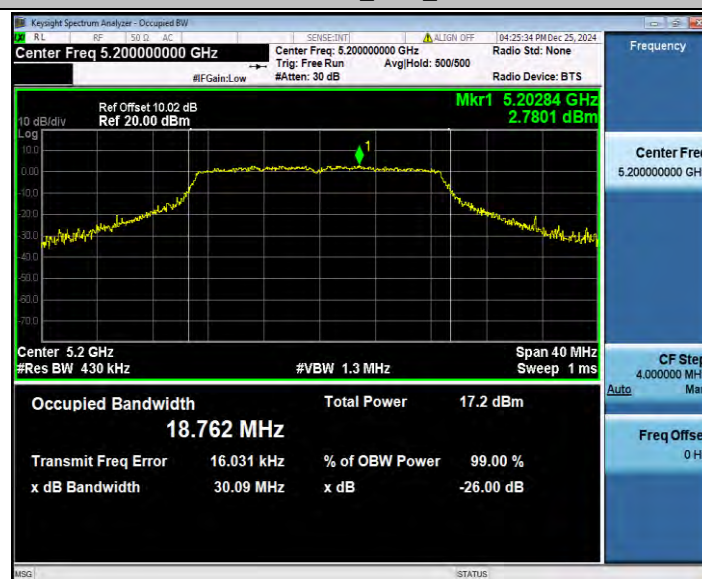
11A_Ant1_5240



11N20SISO_Ant1_5180



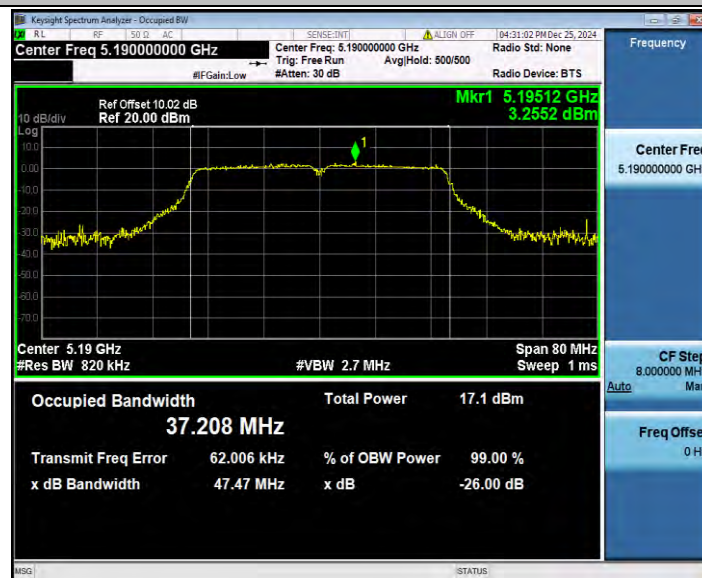
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



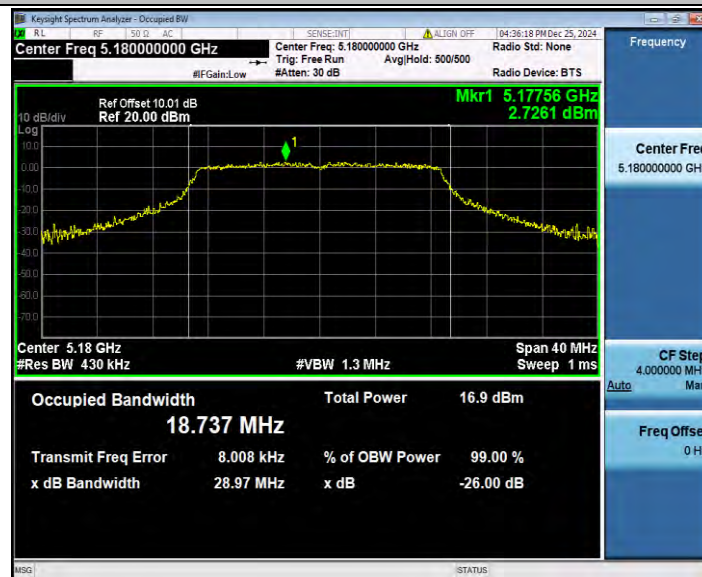
11N40SISO_Ant1_5190



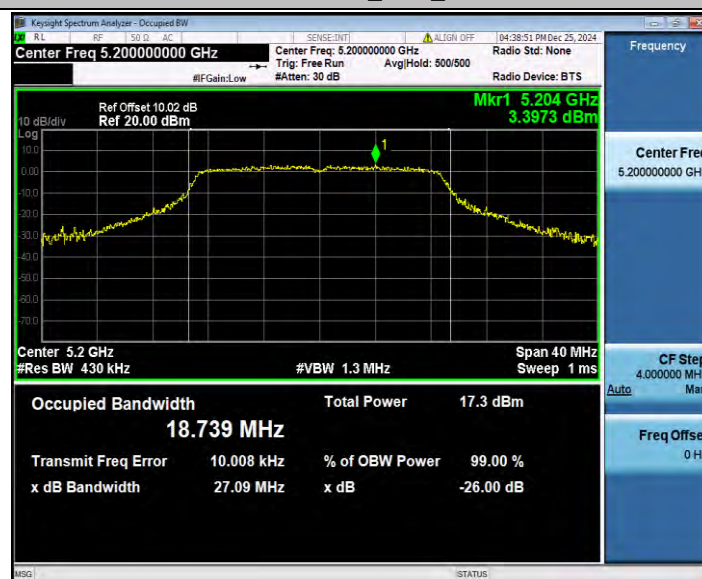
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



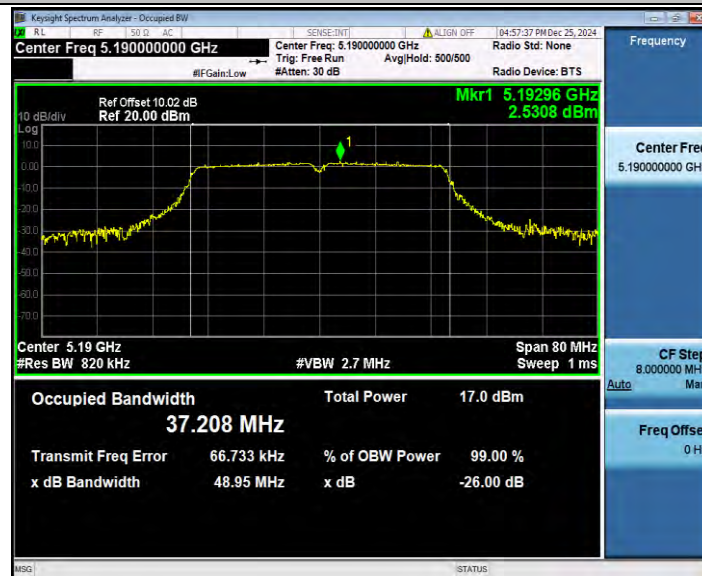
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



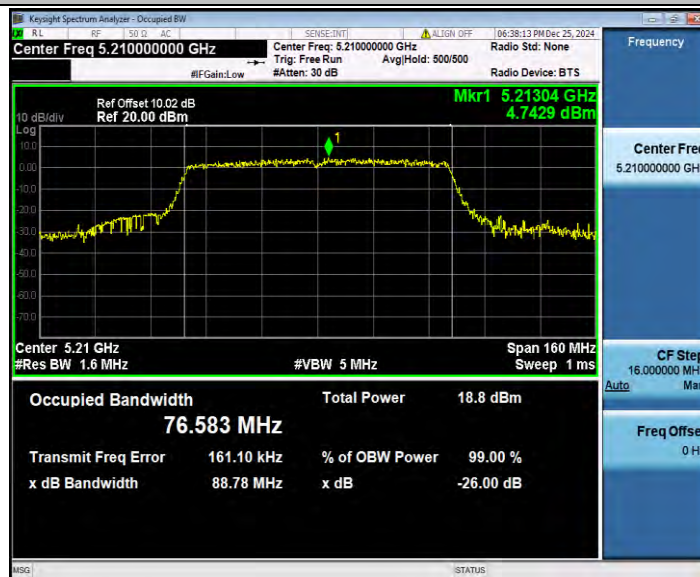
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



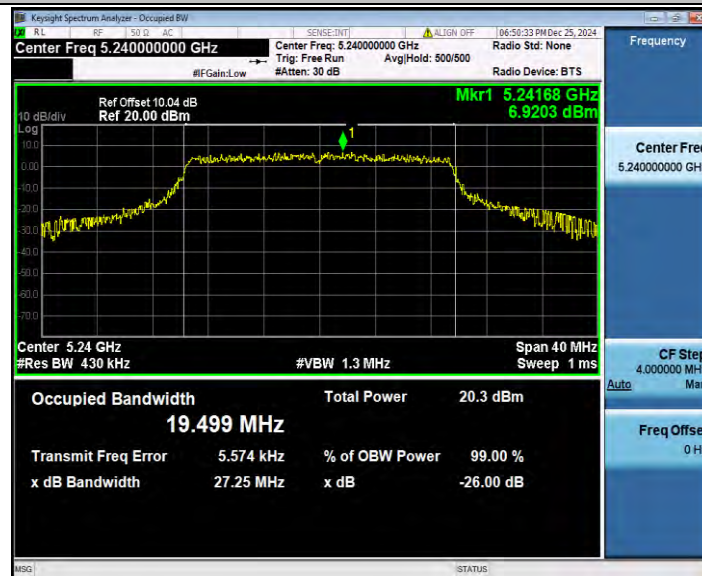
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



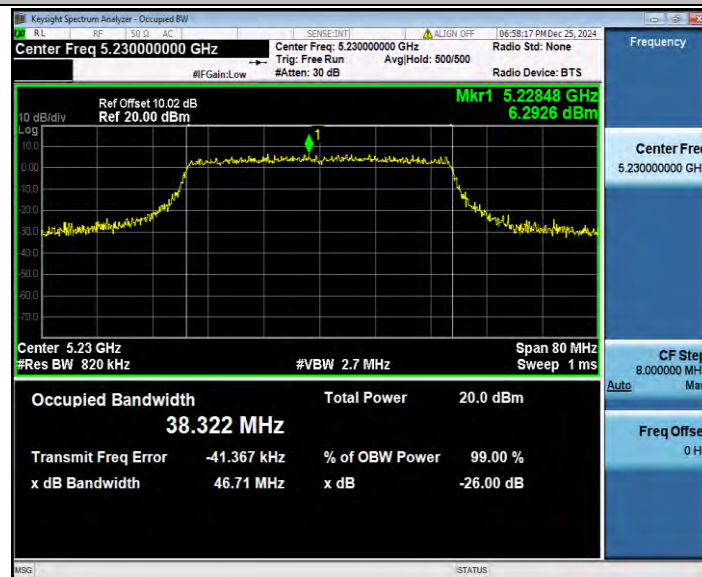
11AX20SISO_Ant1_5240



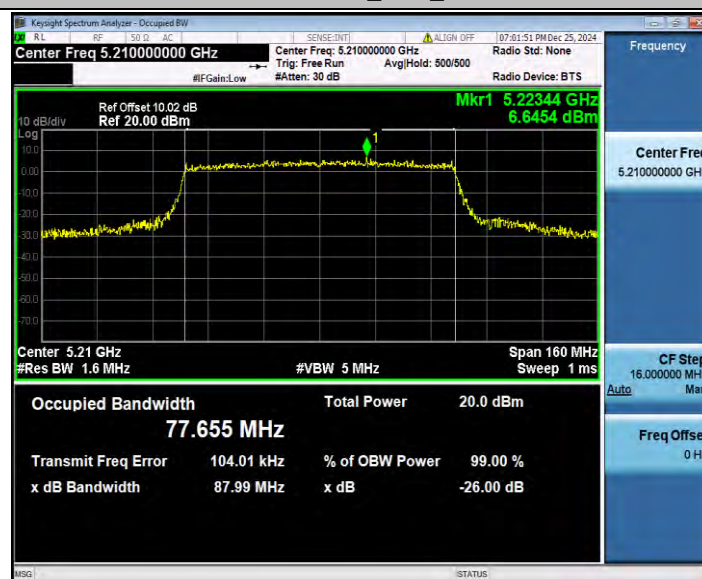
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

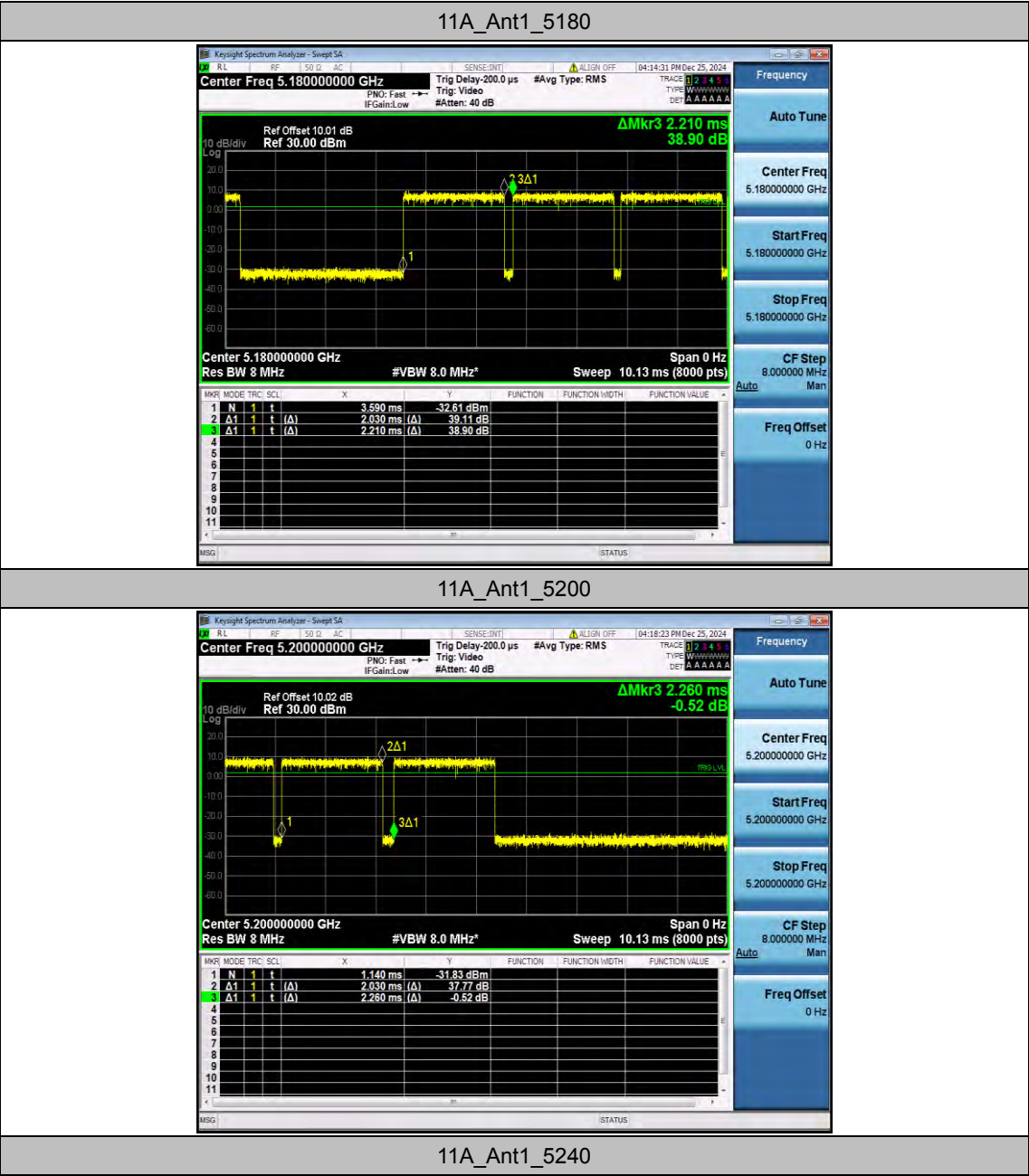


Appendix D.3: Duty Cycle

Test Result

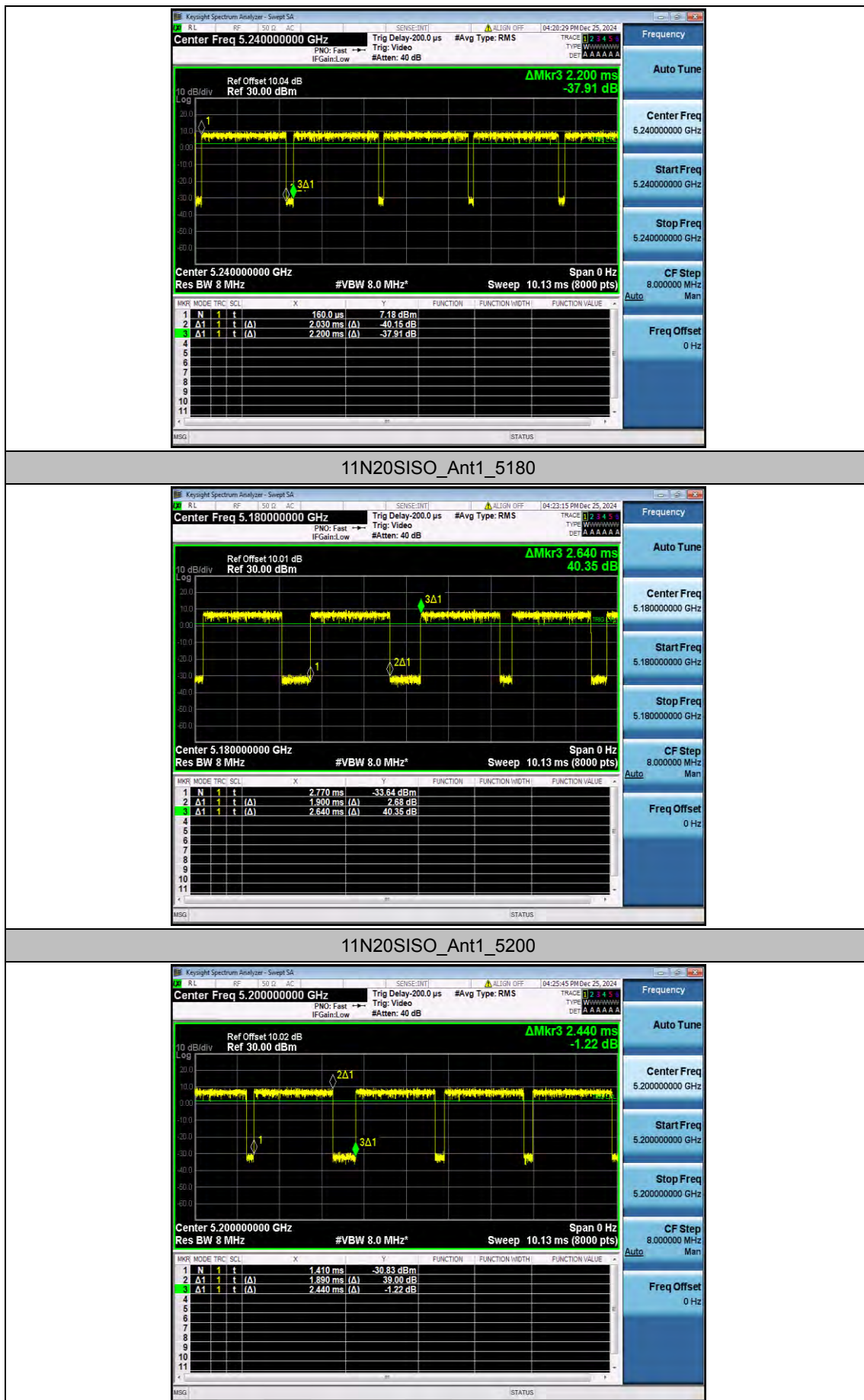
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.21	91.86	0.37	0.49
		5200	2.03	2.26	89.82	0.47	0.49
		5240	2.03	2.20	92.27	0.35	0.49
11N20SISO	Ant1	5180	1.90	2.64	71.97	1.43	0.53
		5200	1.89	2.44	77.46	1.11	0.53
		5240	1.89	2.42	78.10	1.07	0.53
11N40SISO	Ant1	5190	0.93	1.40	66.43	1.78	1.08
		5230	0.93	1.58	58.86	2.30	1.08
11AC20SISO	Ant1	5180	1.90	2.18	87.16	0.60	0.53
		5200	1.90	3.35	56.72	2.46	0.53
		5240	1.90	2.14	88.79	0.52	0.53
11AC40SISO	Ant1	5190	0.93	1.11	83.78	0.77	1.08
		5230	0.93	1.10	84.55	0.73	1.08
11AC80SISO	Ant1	5210	0.46	0.67	68.66	1.63	2.17
11AX20SISO	Ant1	5180	1.46	2.10	69.52	1.58	0.68
		5200	1.47	2.95	49.83	3.03	0.68
		5240	1.47	1.62	90.74	0.42	0.68
11AX40SISO	Ant1	5190	0.76	1.00	76.00	1.19	1.32
		5230	0.76	0.93	81.72	0.88	1.32
11AX80SISO	Ant1	5210	1.98	10.41	19.02	7.21	0.51

Test Graphs

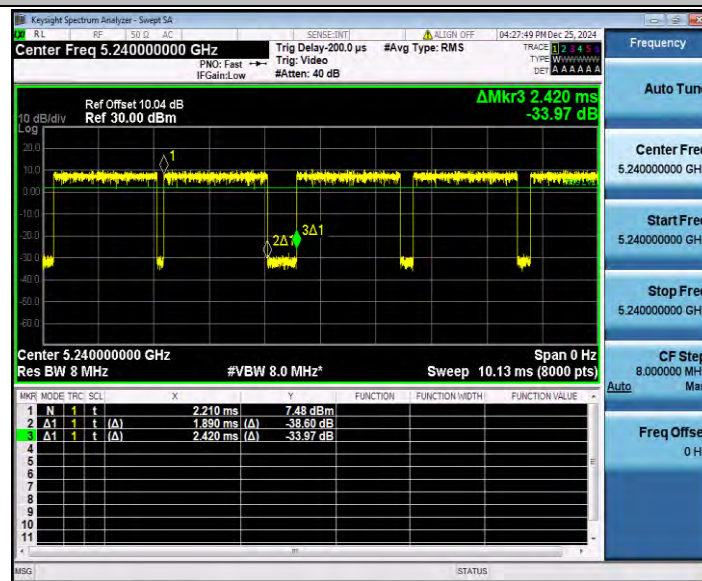


11A_Ant1_5200

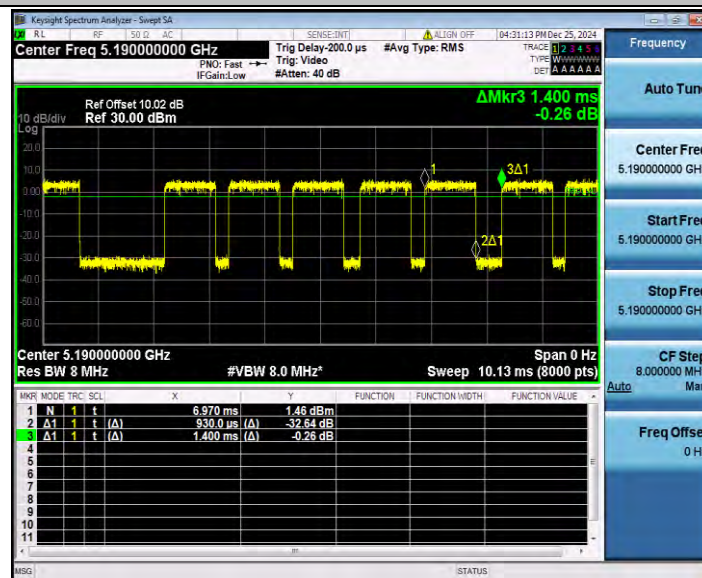
11A_Ant1_5240



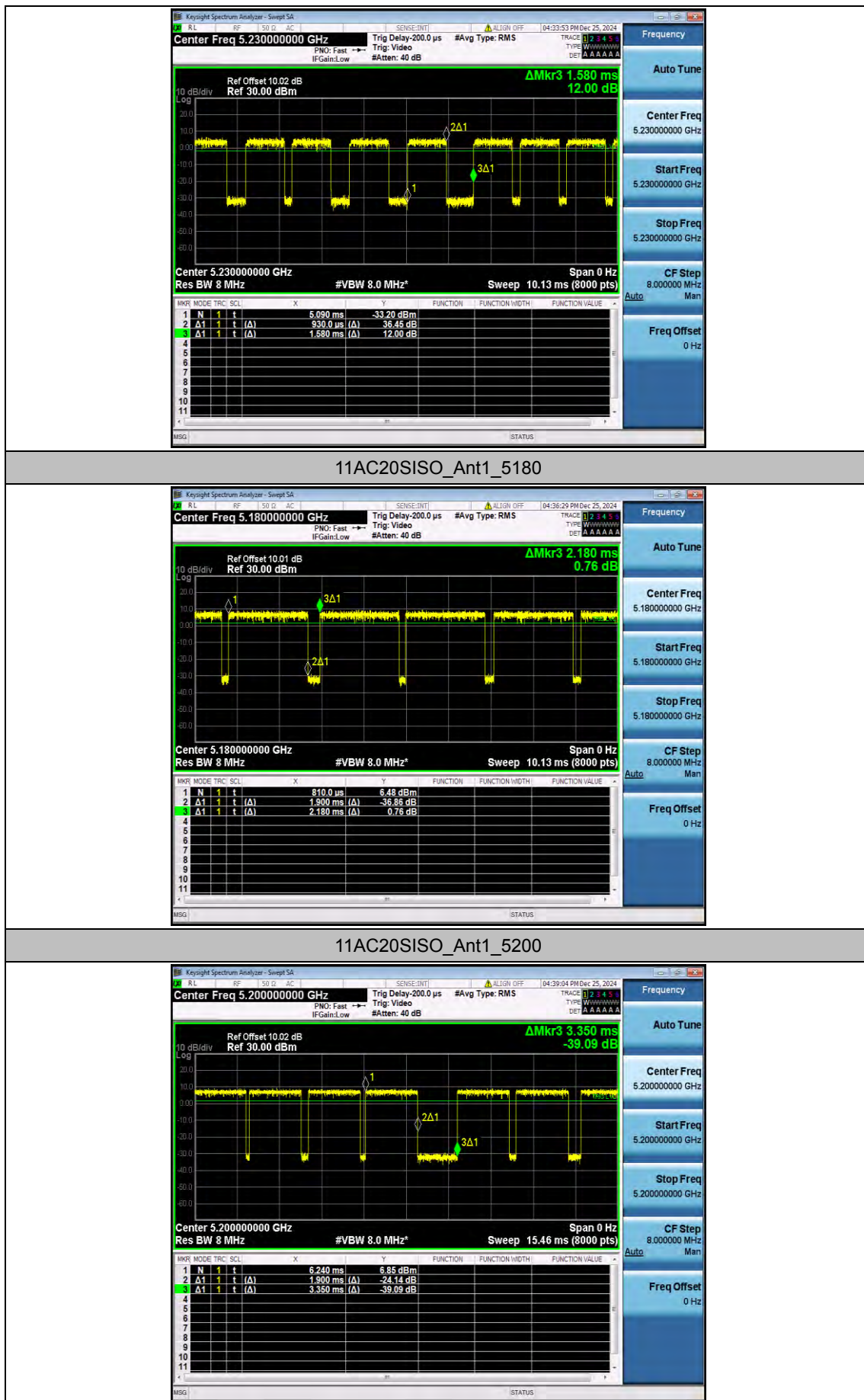
11N20SISO_Ant1_5240



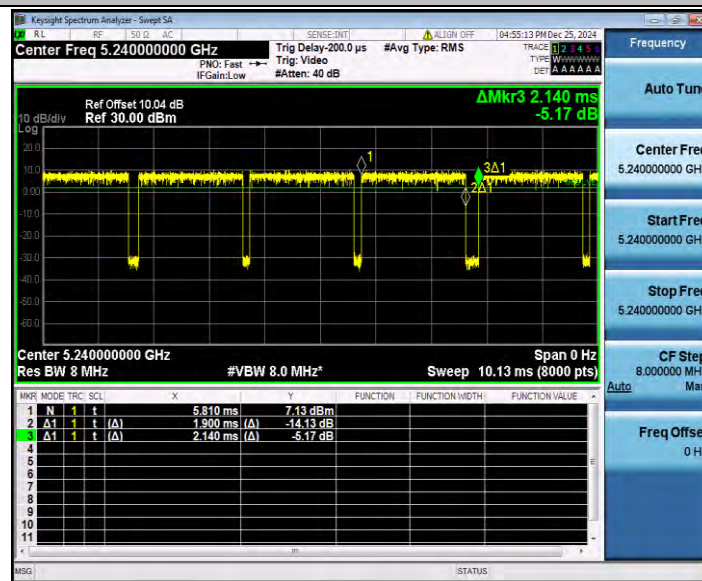
11N40SISO_Ant1_5190



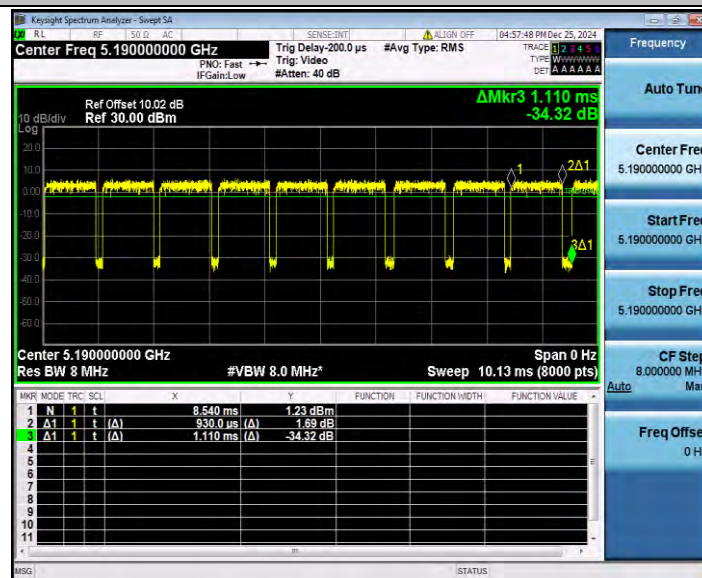
11N40SISO_Ant1_5230



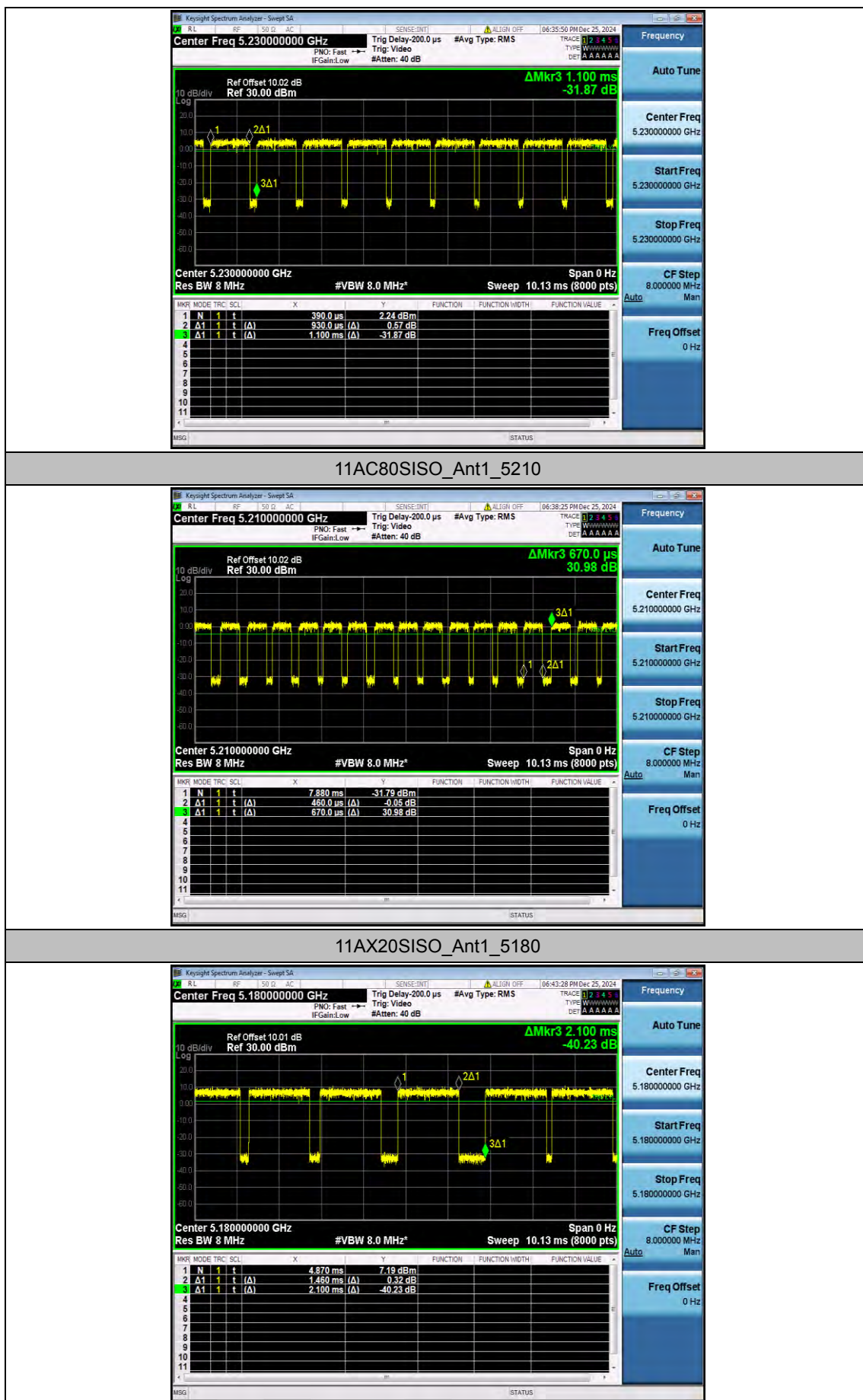
11AC20SISO_Ant1_5240

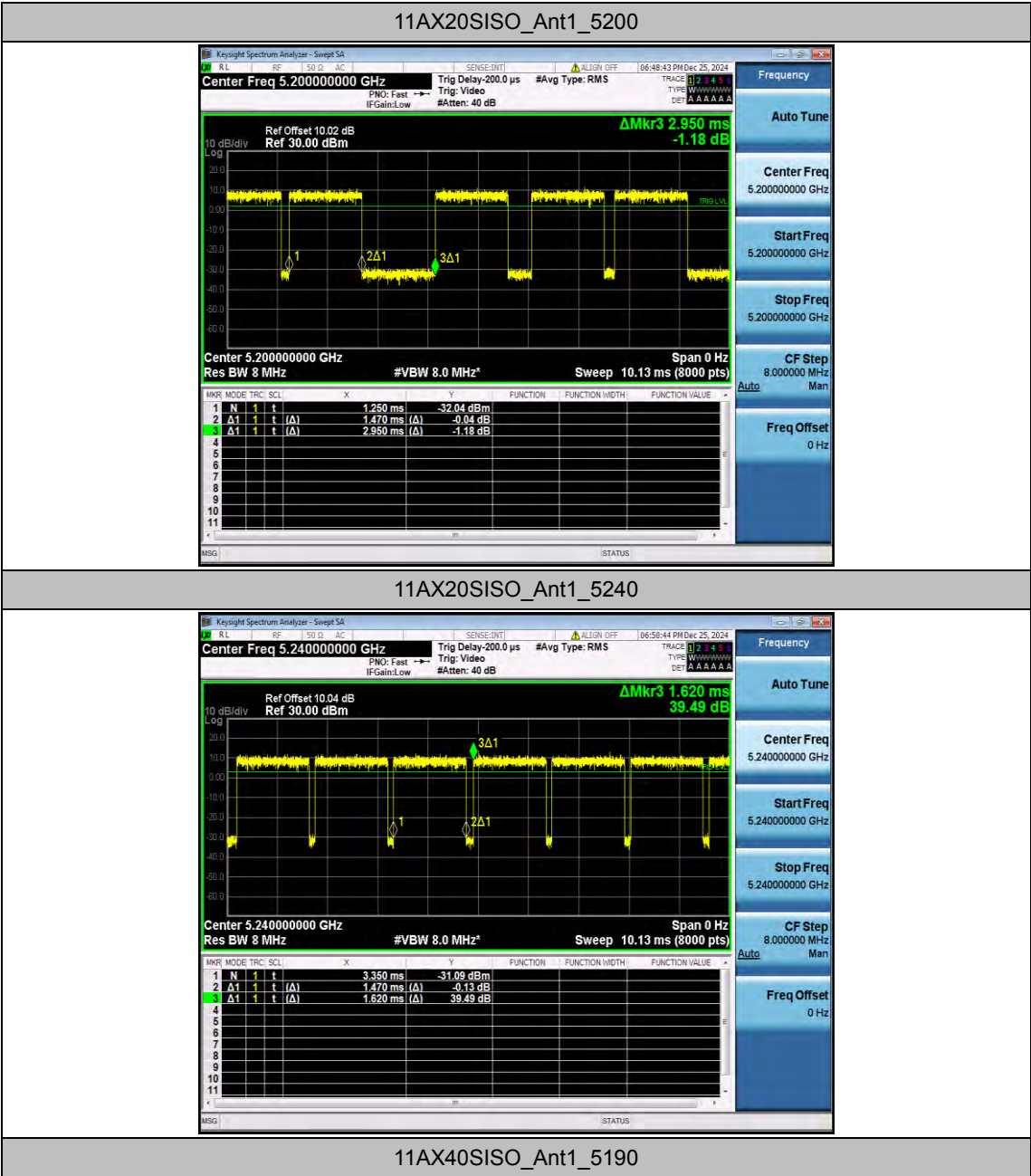


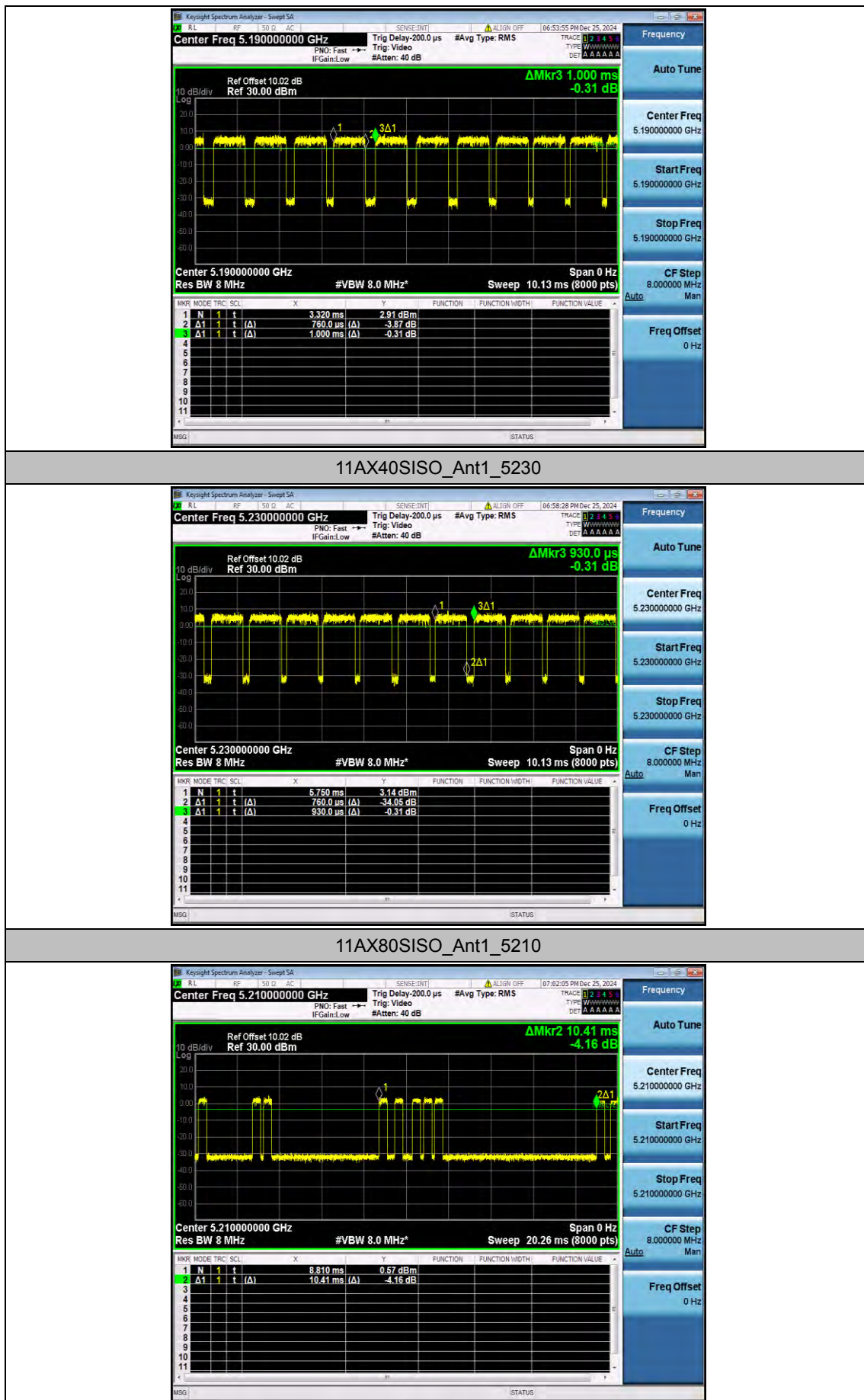
11AC40SISO_Ant1_5190



11AC40SISO_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	9.30	91.86	0.37	9.67	≤23.98	PASS
		5200	9.74	89.82	0.47	10.21	≤23.98	PASS
		5240	9.81	92.27	0.35	10.16	≤23.98	PASS
11N20SISO	Ant1	5180	9.29	71.97	1.43	10.72	≤23.98	PASS
		5200	9.52	77.46	1.11	10.63	≤23.98	PASS
		5240	9.65	78.10	1.07	10.72	≤23.98	PASS
11N40SISO	Ant1	5190	7.62	66.43	1.78	9.40	≤23.98	PASS
		5230	8.89	58.86	2.30	11.19	≤23.98	PASS
11AC20SISO	Ant1	5180	9.41	87.16	0.60	10.01	≤23.98	PASS
		5200	9.60	56.72	2.46	12.06	≤23.98	PASS
		5240	9.96	88.79	0.52	10.48	≤23.98	PASS
11AC40SISO	Ant1	5190	7.53	83.78	0.77	8.30	≤23.98	PASS
		5230	9.54	84.55	0.73	10.27	≤23.98	PASS
11AC80SISO	Ant1	5210	8.53	68.66	1.63	10.16	≤23.98	PASS
11AX20SISO	Ant1	5180	10.24	69.52	1.58	11.82	≤23.98	PASS
		5200	9.92	49.83	3.03	12.95	≤23.98	PASS
		5240	11.47	90.74	0.42	11.89	≤23.98	PASS
11AX40SISO	Ant1	5190	10.47	76.00	1.19	11.66	≤23.98	PASS
		5230	9.90	81.72	0.88	10.78	≤23.98	PASS
11AX80SISO	Ant1	5210	8.37	19.02	7.21	15.58	≤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	-1.31	≤11.00	PASS
		5200	-0.61	≤11.00	PASS
		5240	-0.34	≤11.00	PASS
11N20SISO	Ant1	5180	-0.18	≤11.00	PASS
		5200	-0.22	≤11.00	PASS
		5240	0.20	≤11.00	PASS
11N40SISO	Ant1	5190	-3.33	≤11.00	PASS
		5230	-2.44	≤11.00	PASS
11AC20SISO	Ant1	5180	-0.99	≤11.00	PASS
		5200	1.12	≤11.00	PASS
		5240	-0.54	≤11.00	PASS
11AC40SISO	Ant1	5190	-4.40	≤11.00	PASS
		5230	-3.58	≤11.00	PASS
11AC80SISO	Ant1	5210	-6.15	≤11.00	PASS
11AX20SISO	Ant1	5180	0.25	≤11.00	PASS
		5200	2.07	≤11.00	PASS
		5240	0.39	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.04	≤11.00	PASS
		5230	-3.24	≤11.00	PASS
11AX80SISO	Ant1	5210	-0.37	≤11.00	PASS

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

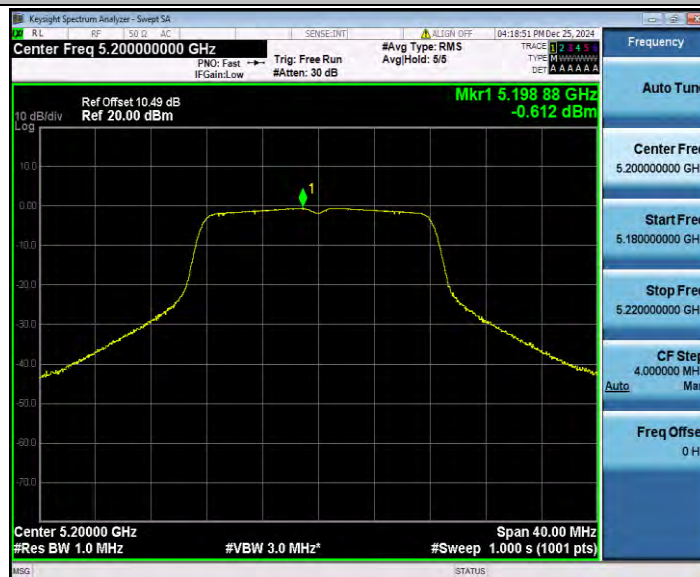
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

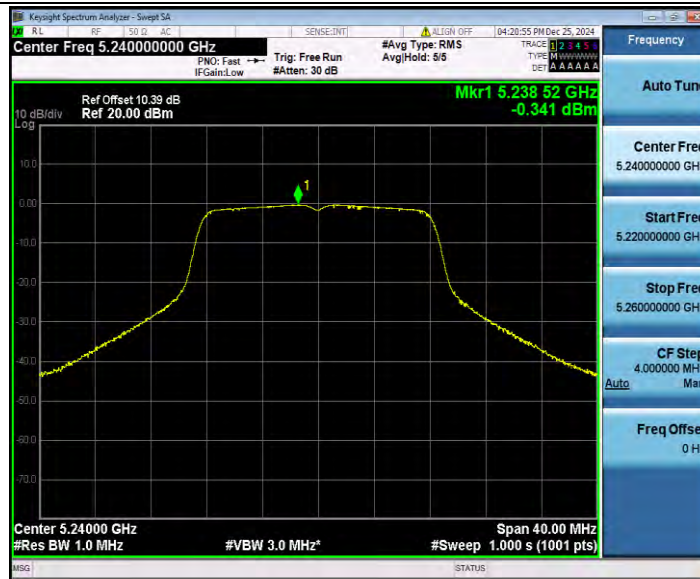
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



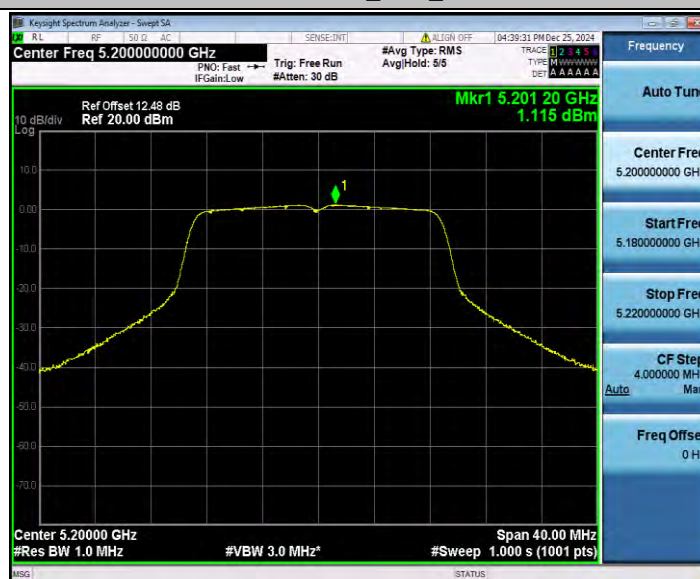
11N40SISO_Ant1_5230



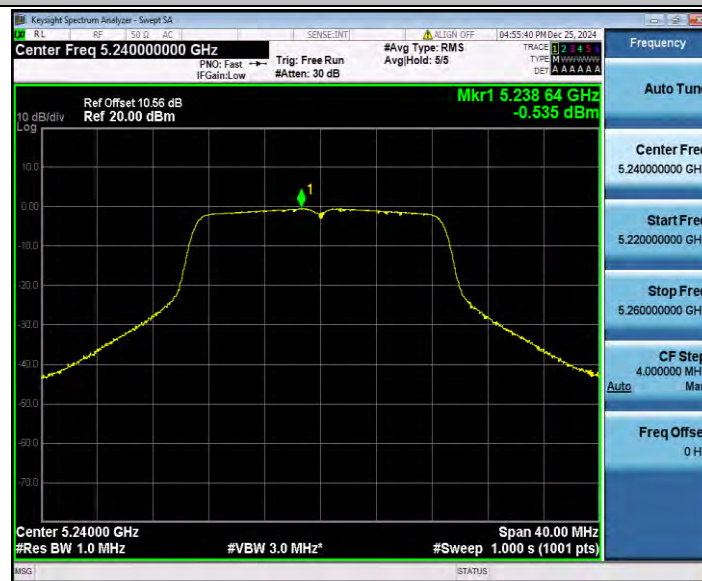
11AC20SISO_Ant1_5180



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

