

Case No. : <u>GTS20251122004-2-15</u>
Ambient Condition: <u>25</u> °C, <u>49</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.12.15-2026.3.31</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	Ant0	5180	20.960	5169.480	5190.440	---	---
		5200	21.200	5189.320	5210.520	---	---
		5240	21.160	5229.560	5250.720	---	---
11N20SISO	Ant0	5180	21.600	5169.200	5190.800	---	---
		5200	21.520	5189.280	5210.800	---	---
		5240	21.720	5229.080	5250.800	---	---
11N40SISO	Ant0	5190	55.520	5154.880	5210.400	---	---
		5230	40.160	5210.000	5250.160	---	---
11AC20SISO	Ant0	5180	21.520	5169.160	5190.680	---	---
		5200	21.560	5189.200	5210.760	---	---
		5240	21.560	5229.040	5250.600	---	---
11AC40SISO	Ant0	5190	40.560	5169.840	5210.400	---	---
		5230	40.320	5209.840	5250.160	---	---
11AC80SISO	Ant0	5210	80.640	5169.840	5250.480	---	---
11AX20SISO	Ant0	5180	22.280	5168.720	5191.000	---	---
		5200	22.080	5188.960	5211.040	---	---
		5240	22.000	5229.080	5251.080	---	---
11AX40SISO	Ant0	5190	40.800	5169.600	5210.400	---	---
		5230	40.720	5209.600	5250.320	---	---
11AX80SISO	Ant0	5210	82.400	5169.040	5251.440	---	---

Test Graphs



11A_Ant0_5200

Frequency

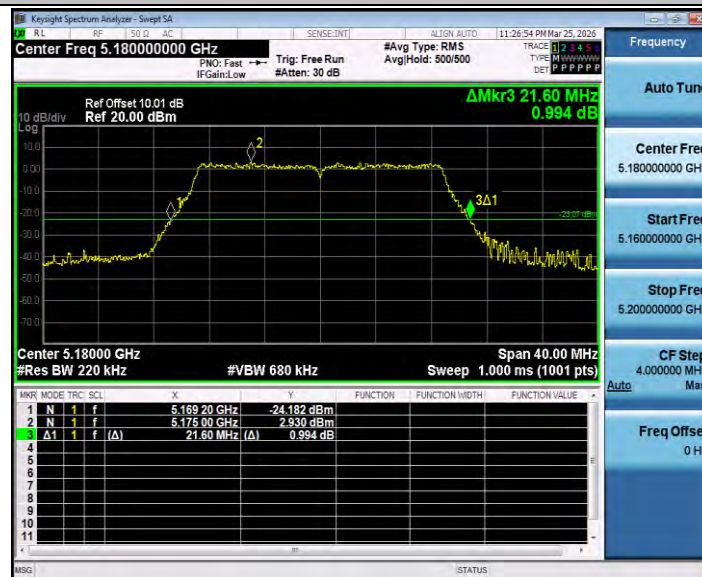
Auto Tune

Center Freq
5.20000000 GHzStart Freq
5.18000000 GHzStop Freq
5.22000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

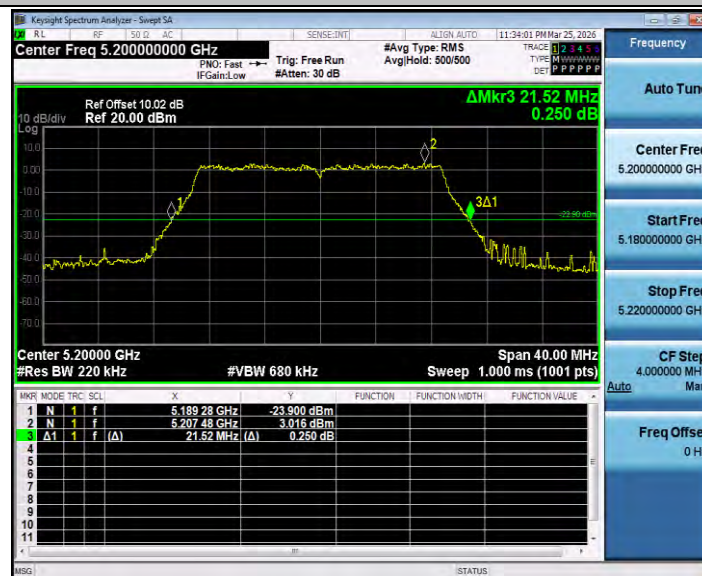
11A_Ant0_5240



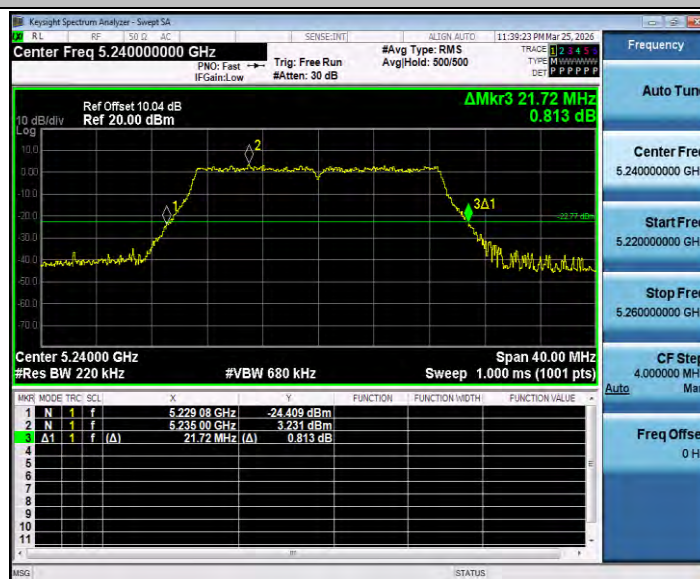
11N20SISO_Ant0_5180



11N20SISO_Ant0_5200



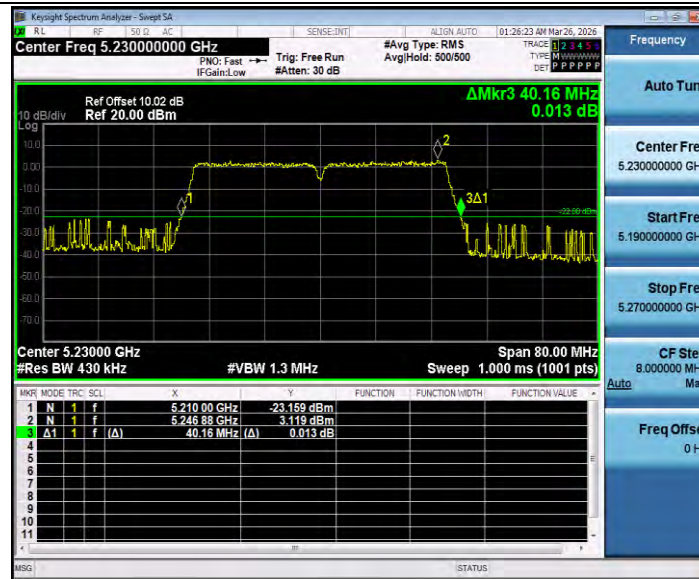
11N20SISO Ant0 5240



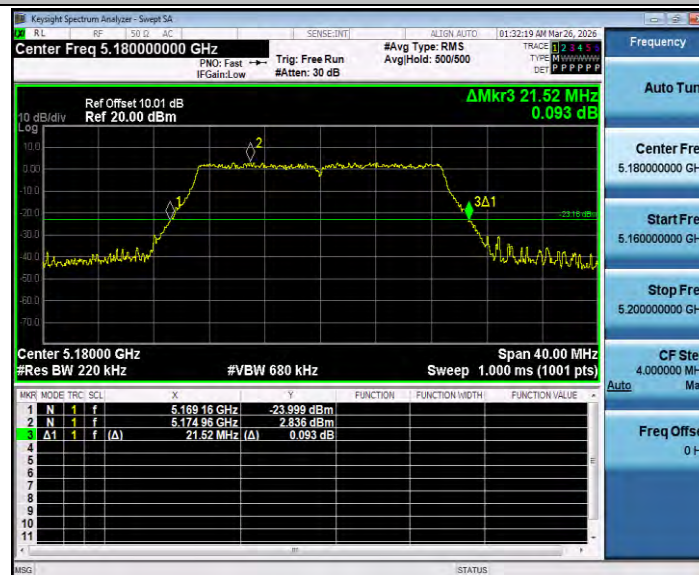
11N40SISO Ant0 5190



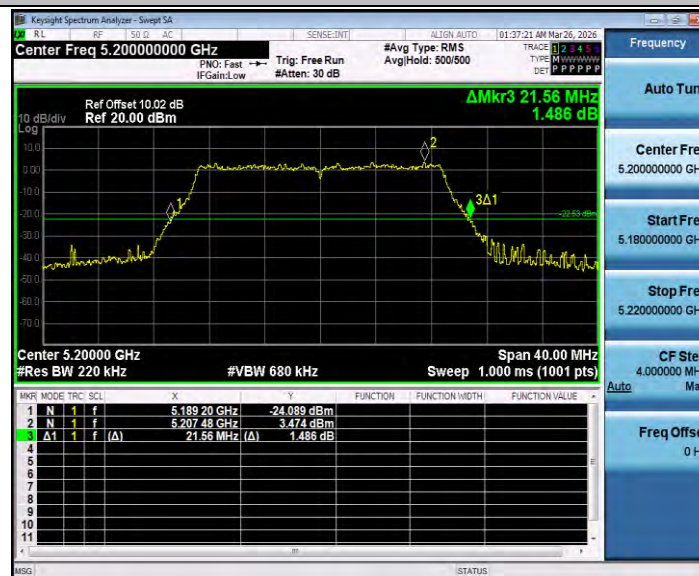
11N40SISO Ant0 5230



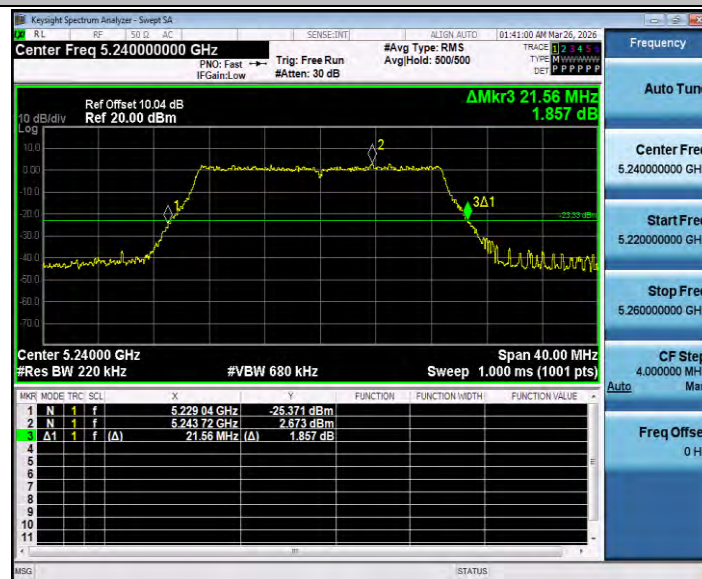
11AC20SISO_Ant0_5180



11AC20SISO_Ant0_5200



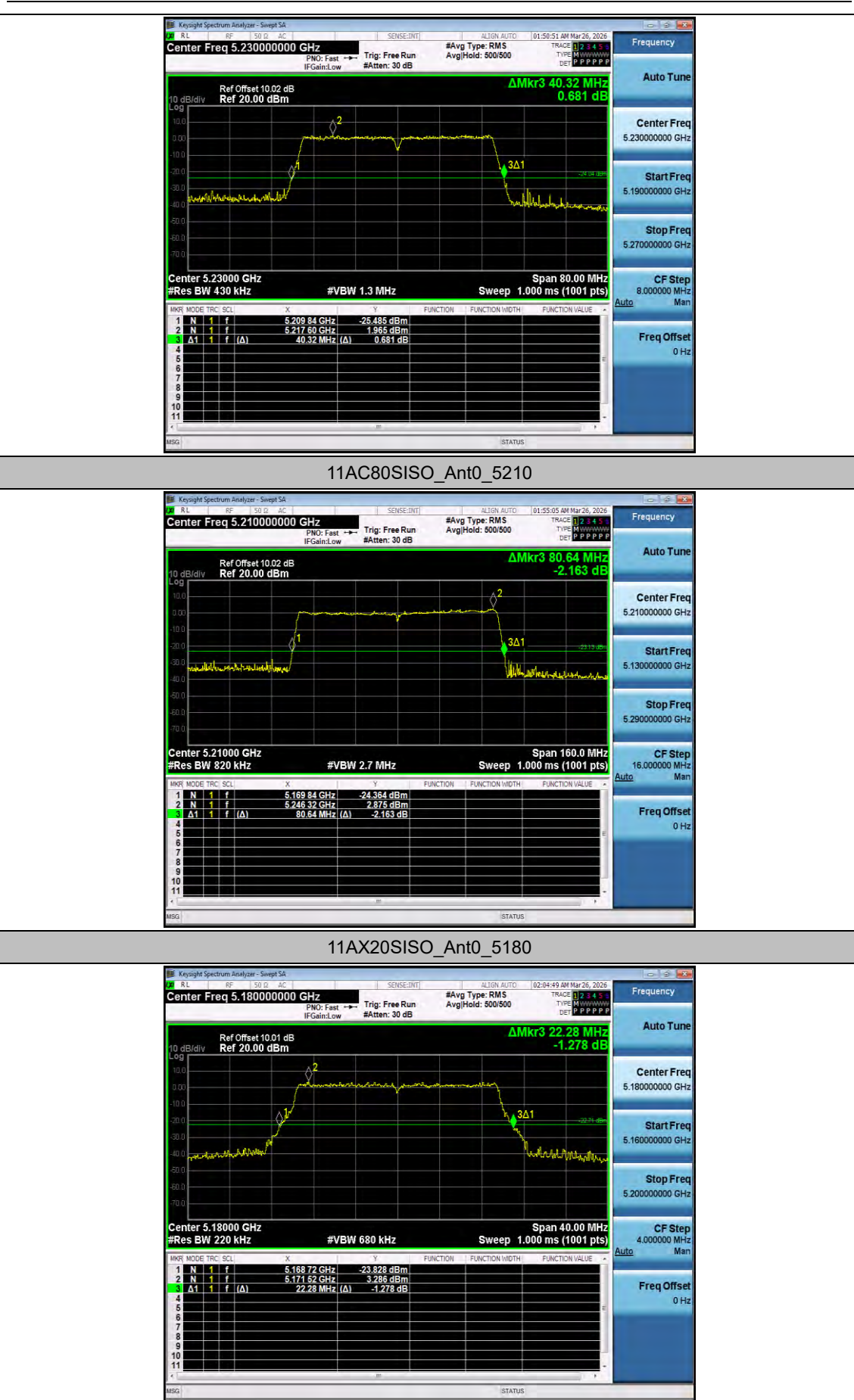
11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



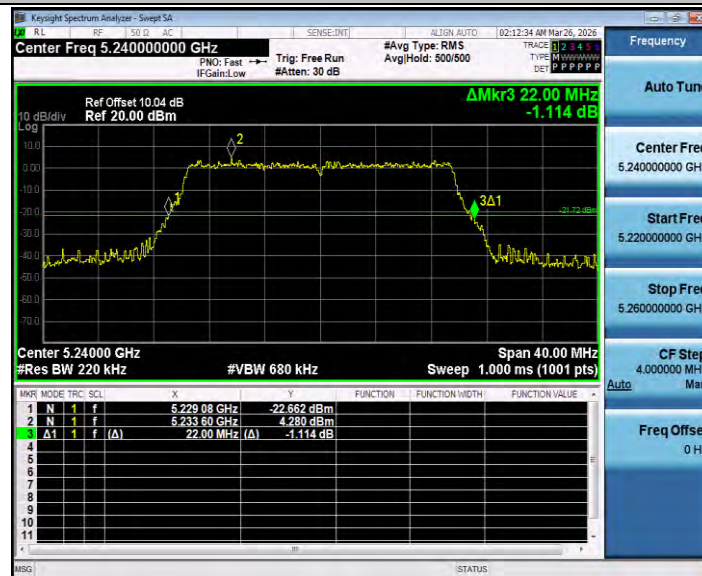
11AC40SISO_Ant0_5230



11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210



Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant0	5180	17.374	5171.2810	5188.6550	---	---
		5200	17.452	5191.2751	5208.7271	---	---
		5240	17.372	5231.2796	5248.6516	---	---
11N20SISO	Ant0	5180	18.351	5170.8103	5189.1613	---	---
		5200	18.420	5190.8076	5209.2276	---	---
		5240	18.381	5230.7953	5249.1763	---	---
11N40SISO	Ant0	5190	37.013	5171.5103	5208.5233	---	---
		5230	36.875	5211.5544	5248.4294	---	---
11AC20SISO	Ant0	5180	18.372	5170.7783	5189.1503	---	---
		5200	18.406	5190.8003	5209.2063	---	---
		5240	18.360	5230.7991	5249.1591	---	---
11AC40SISO	Ant0	5190	36.907	5171.5286	5208.4356	---	---
		5230	36.813	5211.6146	5248.4276	---	---
11AC80SISO	Ant0	5210	75.877	5172.1612	5248.0382	---	---
11AX20SISO	Ant0	5180	19.377	5170.3350	5189.7120	---	---
		5200	19.330	5190.3351	5209.6651	---	---
		5240	19.297	5230.3486	5249.6456	---	---
11AX40SISO	Ant0	5190	38.225	5170.9131	5209.1381	---	---
		5230	38.067	5210.9829	5249.0499	---	---
11AX80SISO	Ant0	5210	78.048	5171.0769	5249.1249	---	---

Test Graphs

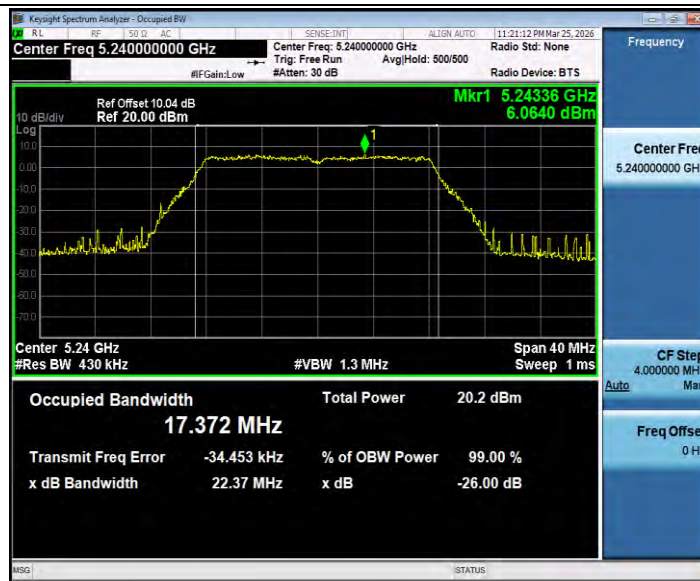
11A_Ant0_5180



11A_Ant0_5200



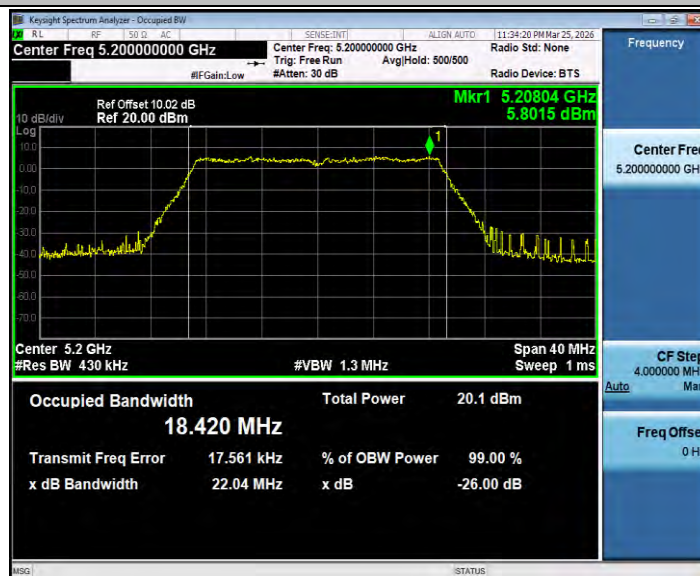
11A_Ant0_5240



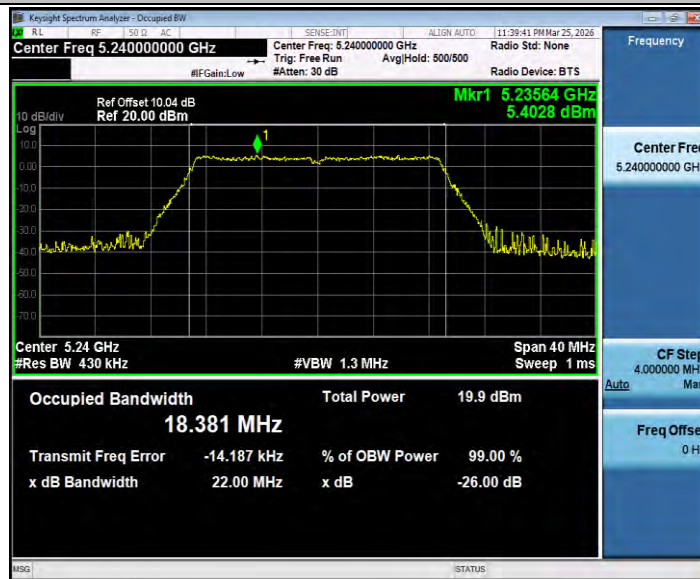
11N20SISO_Ant0_5180



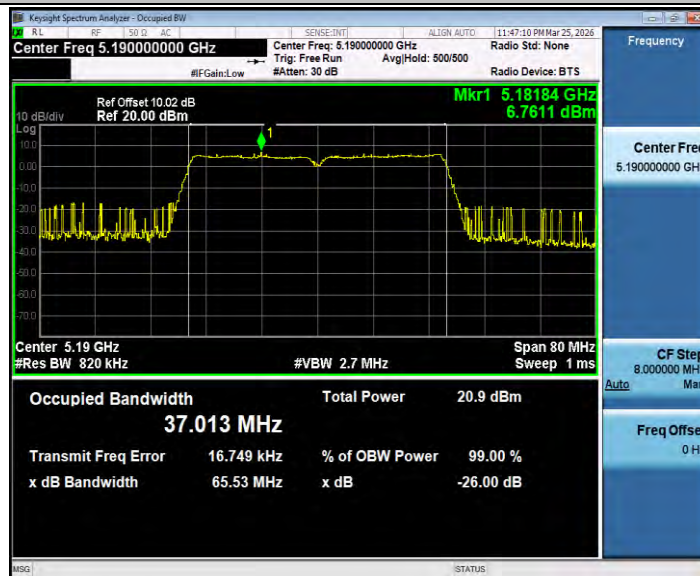
11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



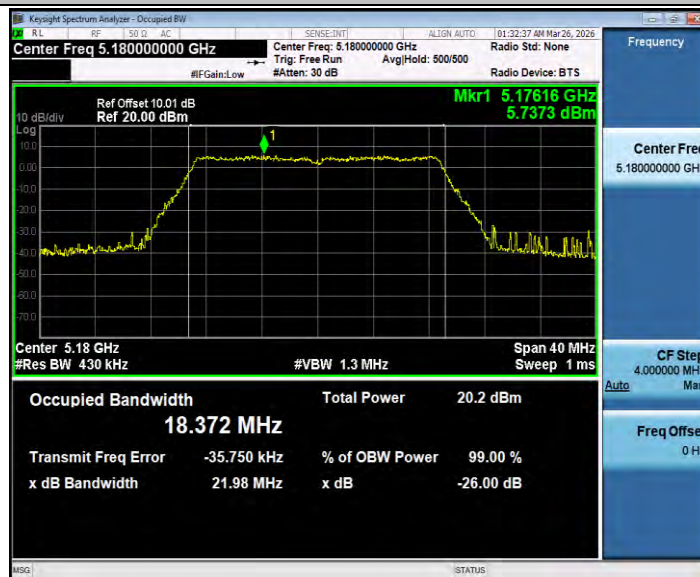
11N40SISO_Ant0_5190



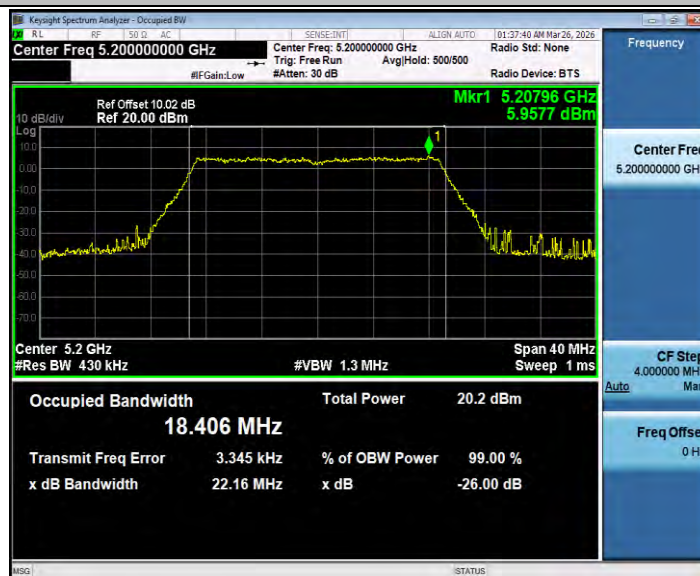
11N40SISO_Ant0_5230



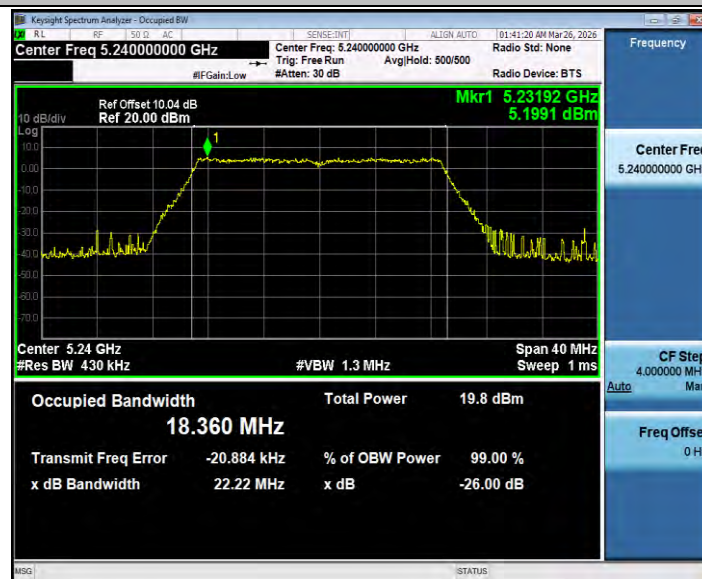
11AC20SISO_Ant0_5180



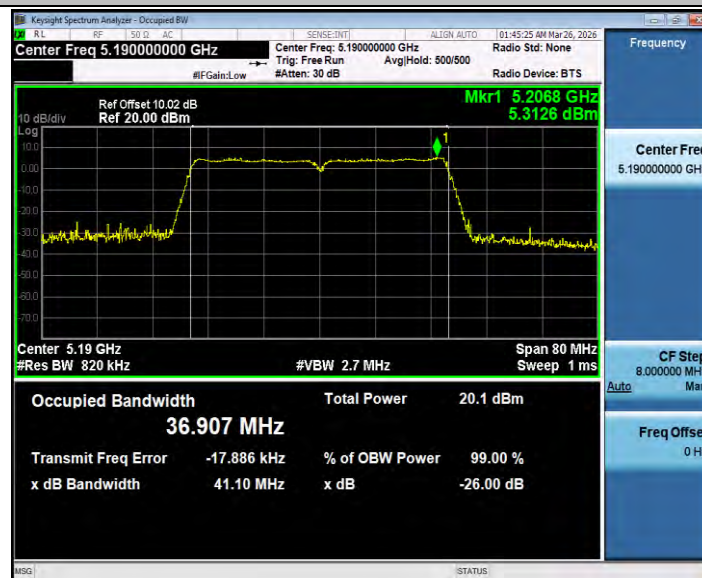
11AC20SISO_Ant0_5200



11AC20SISO_Ant0_5240



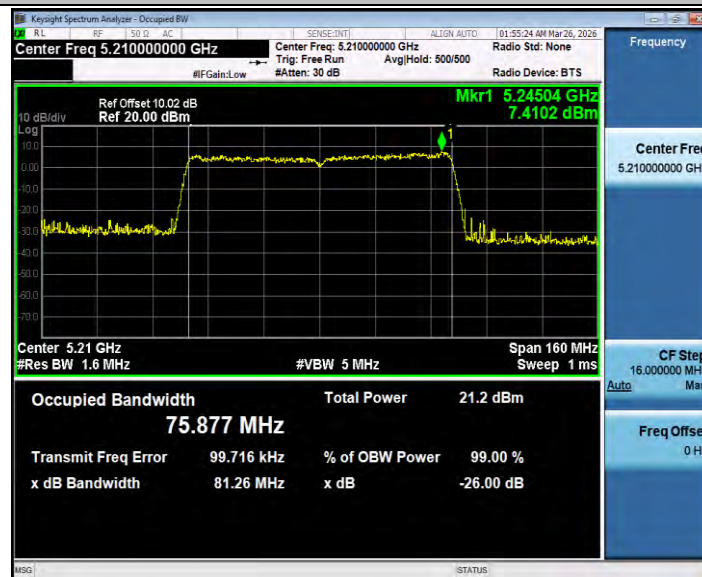
11AC40SISO_Ant0_5190



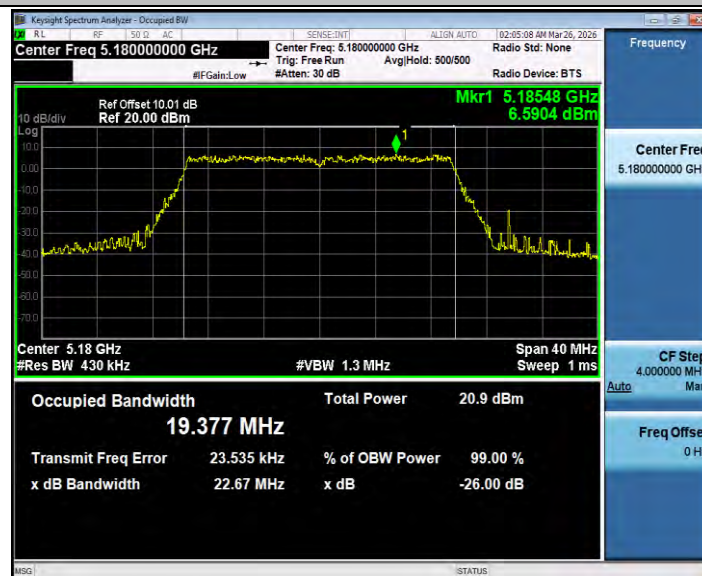
11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



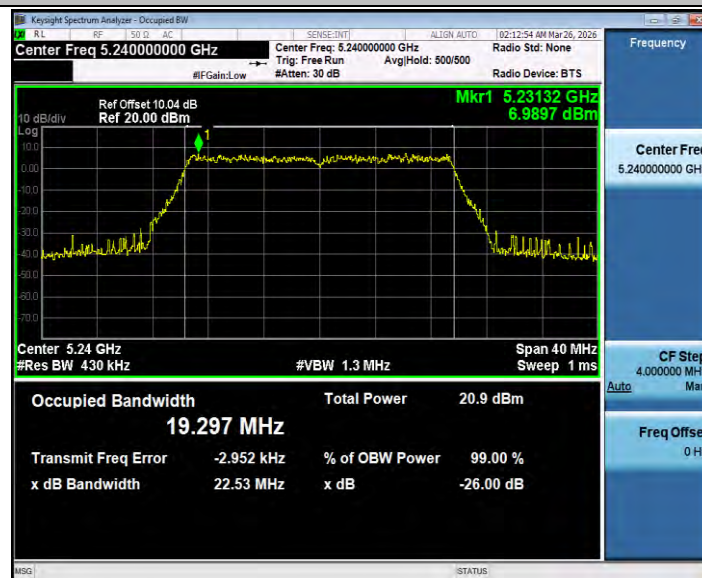
11AX20SISO_Ant0_5180



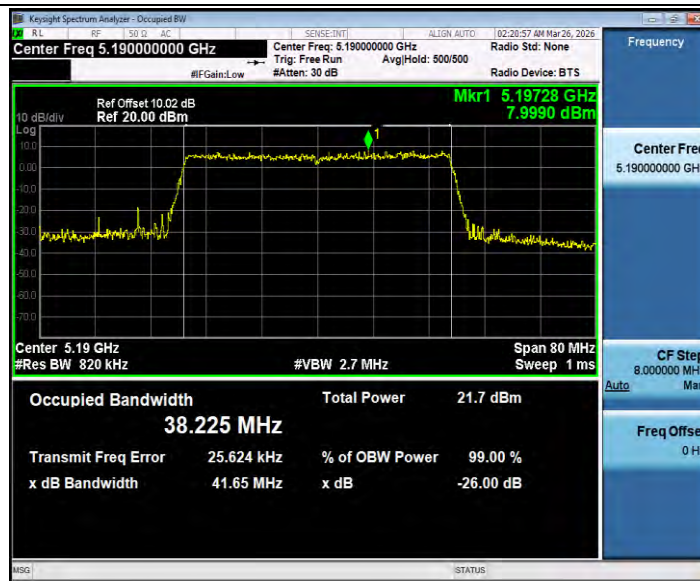
11AX20SISO_Ant0_5200



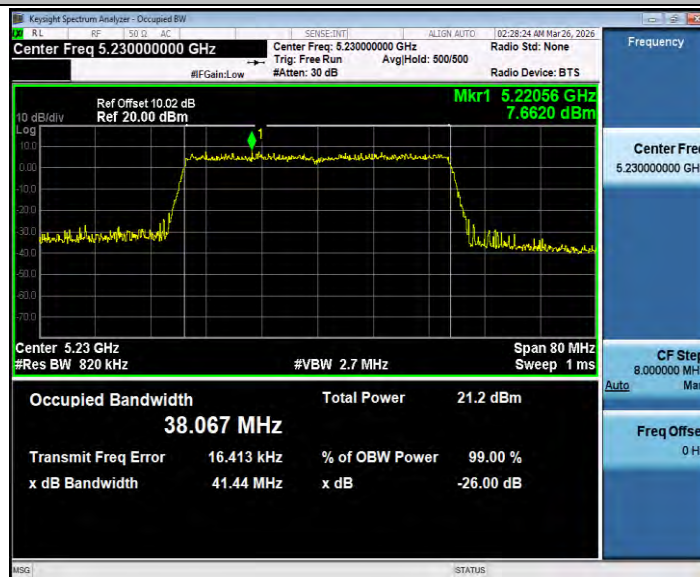
11AX20SISO_Ant0_5240



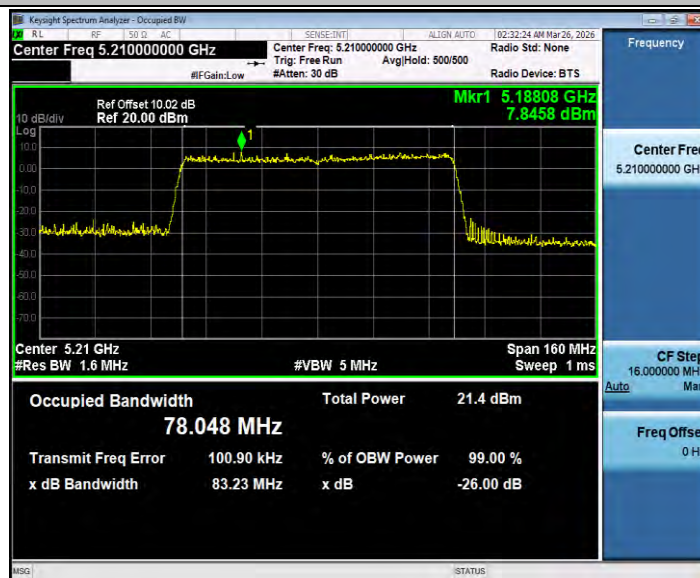
11AX40SISO_Ant0_5190



11AX40ISO_Ant0_5230



11AX80ISO_Ant0_5210

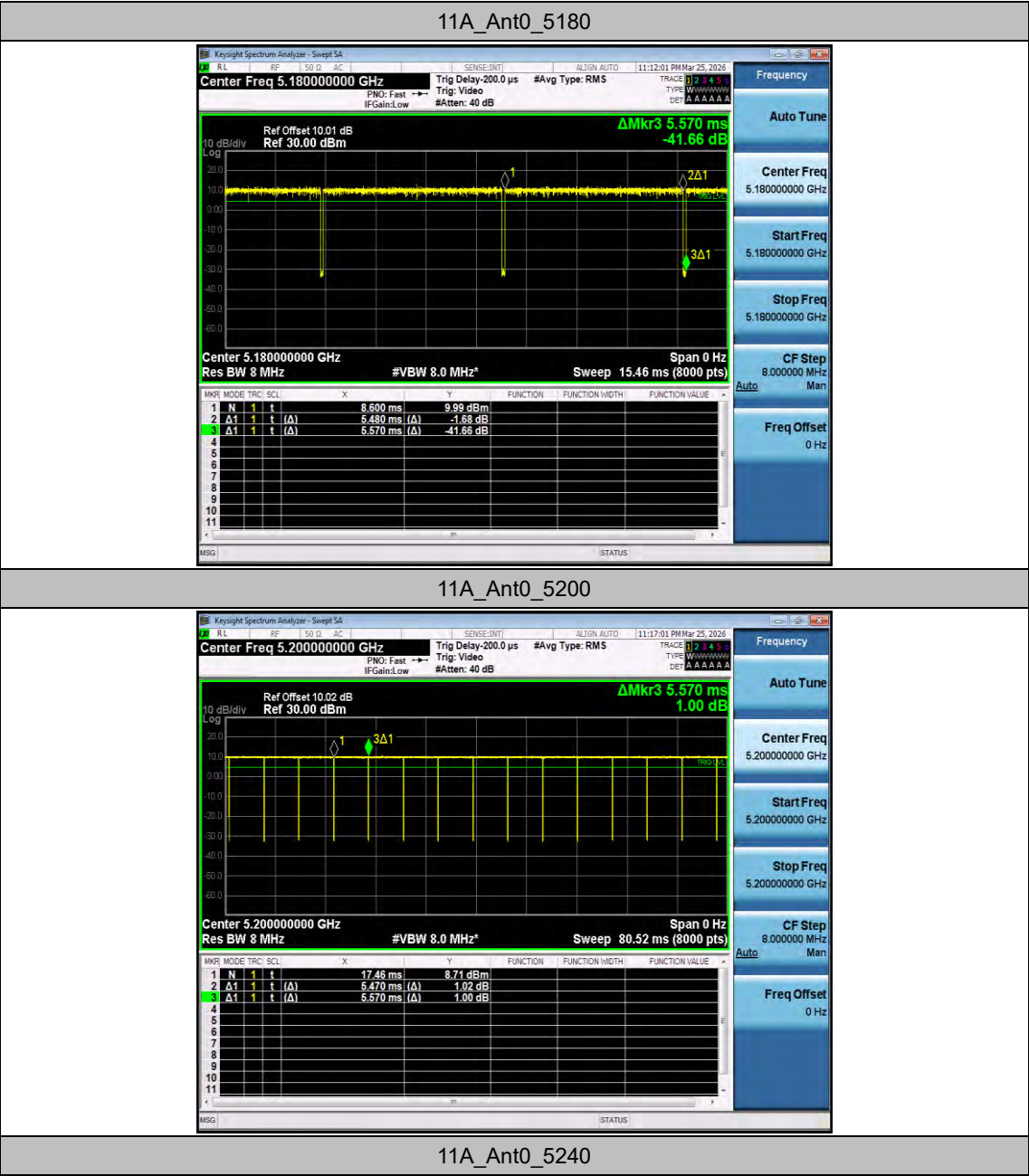


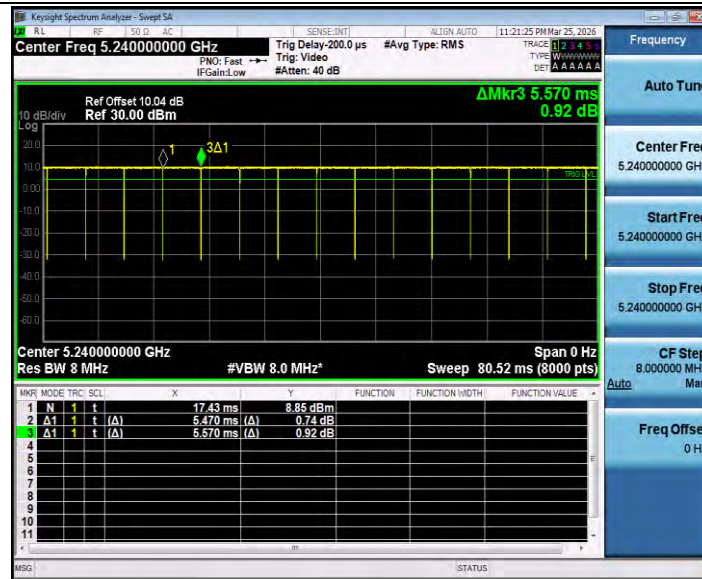
AppendixD.3: Duty Cycle

Test Result

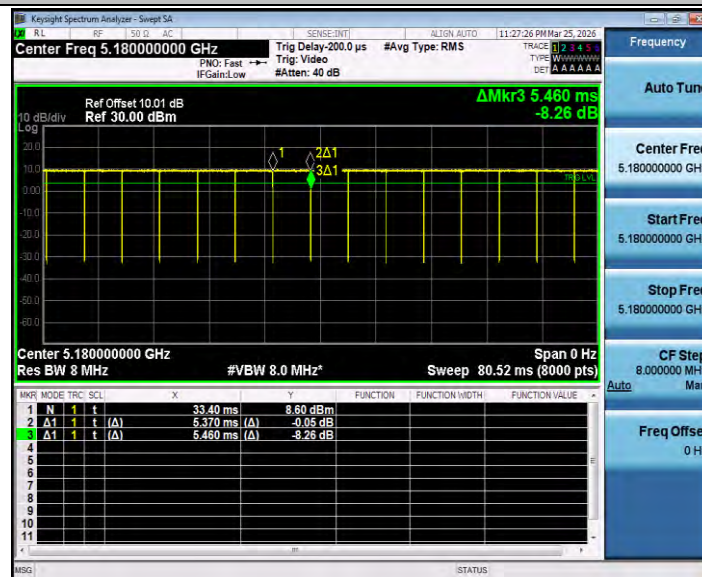
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant0	5180	5.48	5.57	98.38	0.07	0.18
		5200	5.47	5.57	98.20	0.08	0.18
		5240	5.47	5.57	98.20	0.08	0.18
11N20SISO	Ant0	5180	5.37	5.46	98.35	0.07	0.19
		5200	5.37	5.47	98.17	0.08	0.19
		5240	5.36	5.46	98.17	0.08	0.19
11N40SISO	Ant0	5190	5.14	5.23	98.28	0.08	0.19
		5230	5.15	5.24	98.28	0.08	0.19
11AC20SISO	Ant0	5180	5.37	5.46	98.35	0.07	0.19
		5200	5.38	5.47	98.35	0.07	0.19
		5240	5.37	5.46	98.35	0.07	0.19
11AC40SISO	Ant0	5190	5.16	5.26	98.10	0.08	0.19
		5230	5.15	5.25	98.10	0.08	0.19
11AC80SISO	Ant0	5210	4.75	4.84	98.14	0.08	0.21
11AX20SISO	Ant0	5180	4.64	4.73	98.10	0.08	0.22
		5200	4.64	4.73	98.10	0.08	0.22
		5240	4.64	4.73	98.10	0.08	0.22
11AX40SISO	Ant0	5190	4.63	4.72	98.09	0.08	0.22
		5230	4.63	4.72	98.09	0.08	0.22
11AX80SISO	Ant0	5210	4.42	4.51	98.00	0.09	0.23

Test Graphs

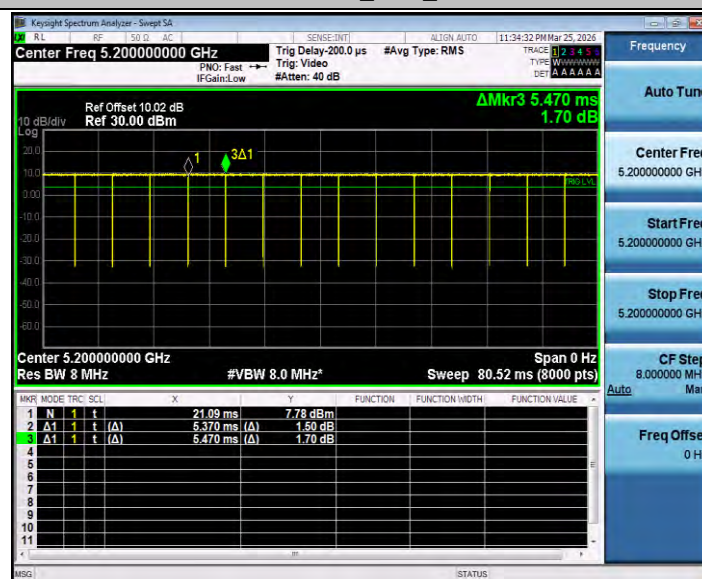




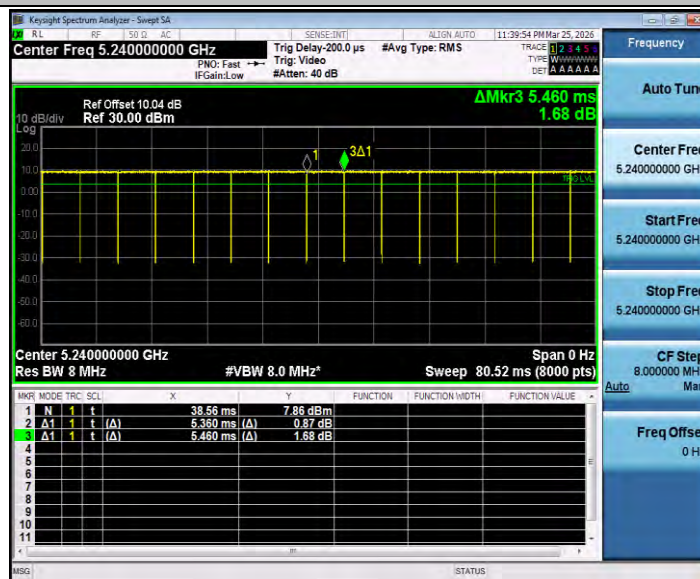
11N20SISO_Ant0_5180



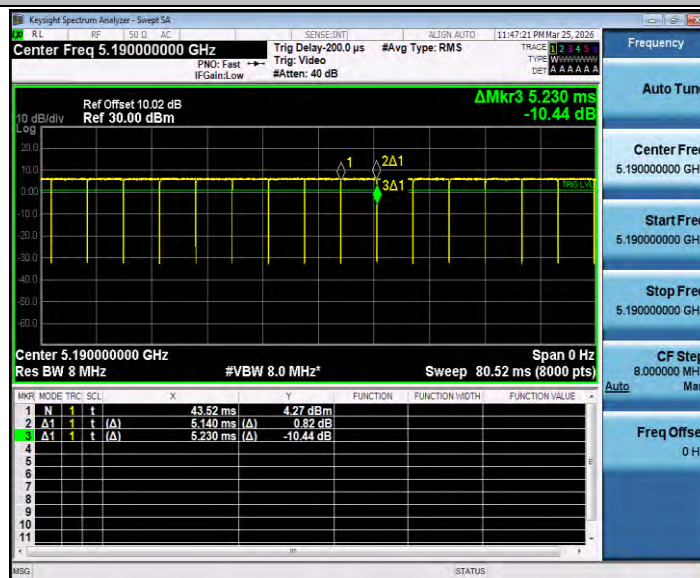
11N20SISO_Ant0_5200



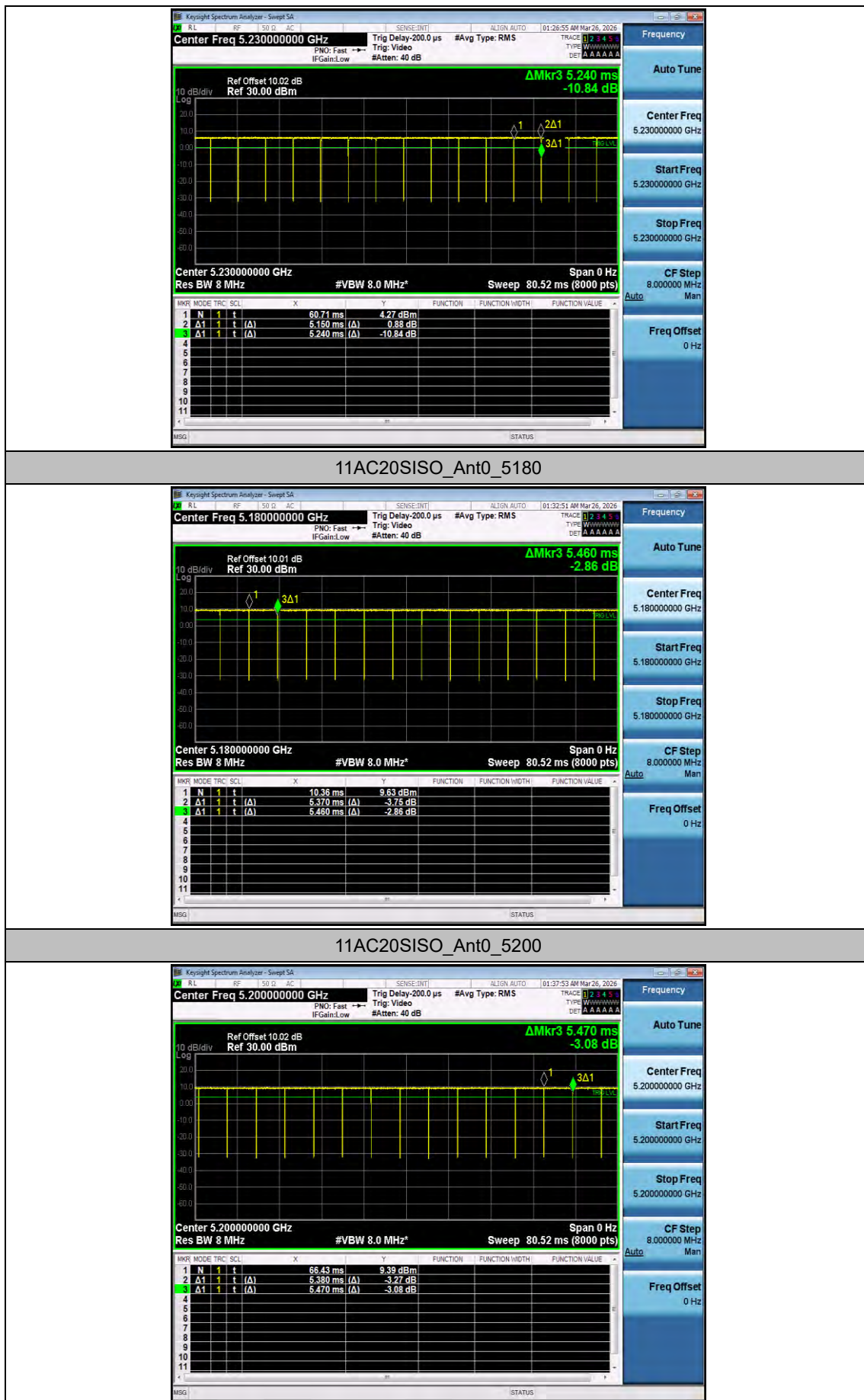
11N20SISO_Ant0_5240



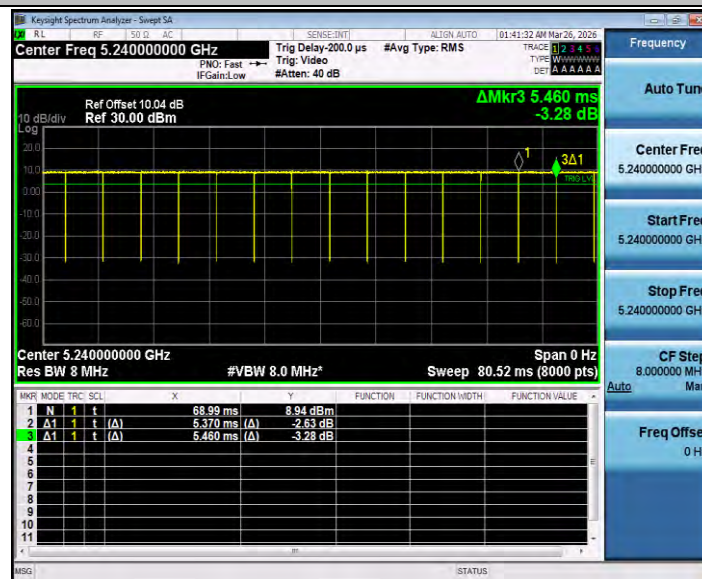
11N40SISO_Ant0_5190



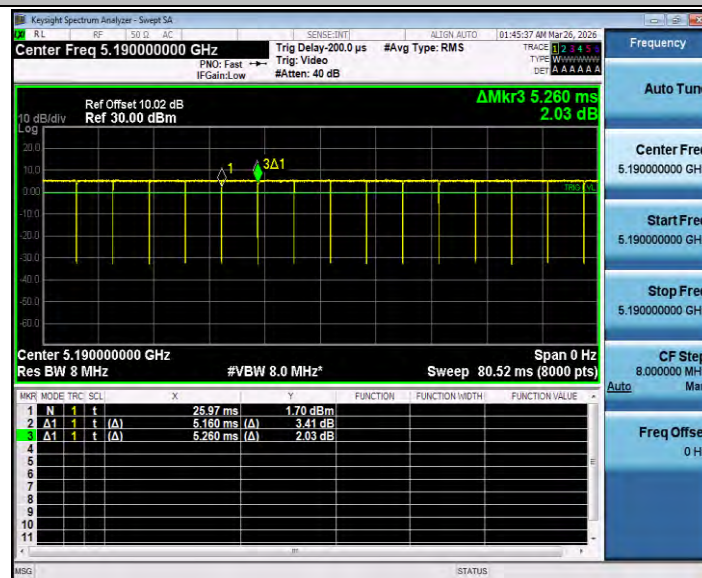
11N40SISO_Ant0_5230



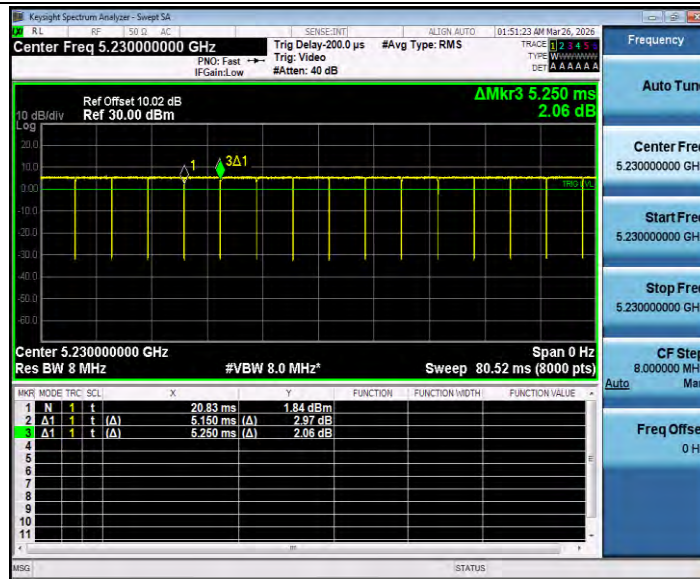
11AC20SISO_Ant0_5240



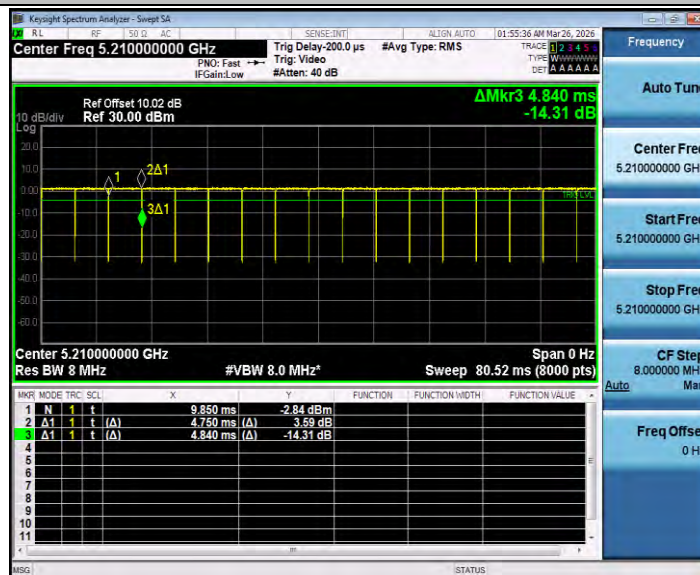
11AC40SISO_Ant0_5190



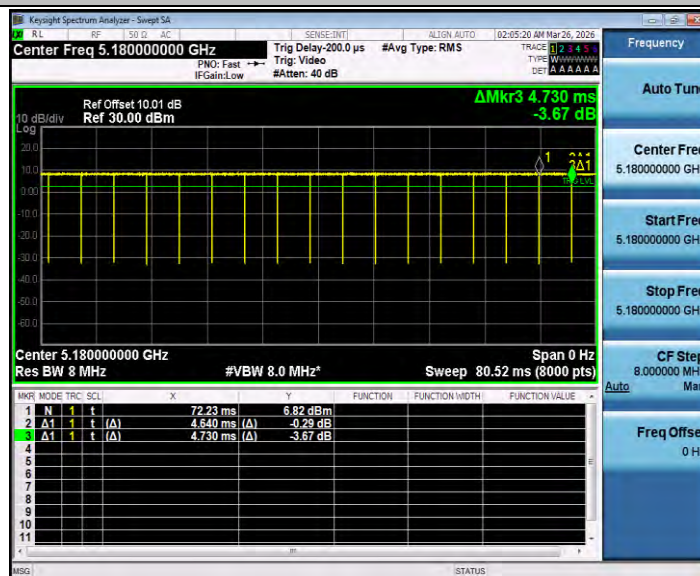
11AC40SISO_Ant0_5230



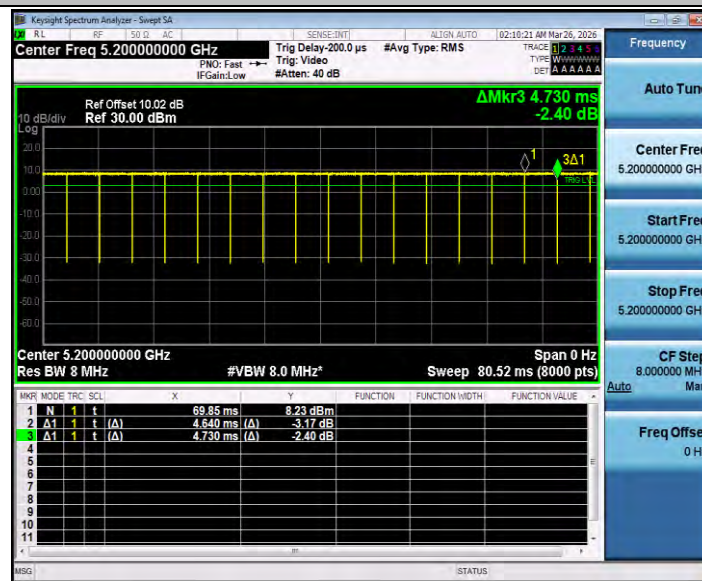
11AC80SISO_Ant0_5210



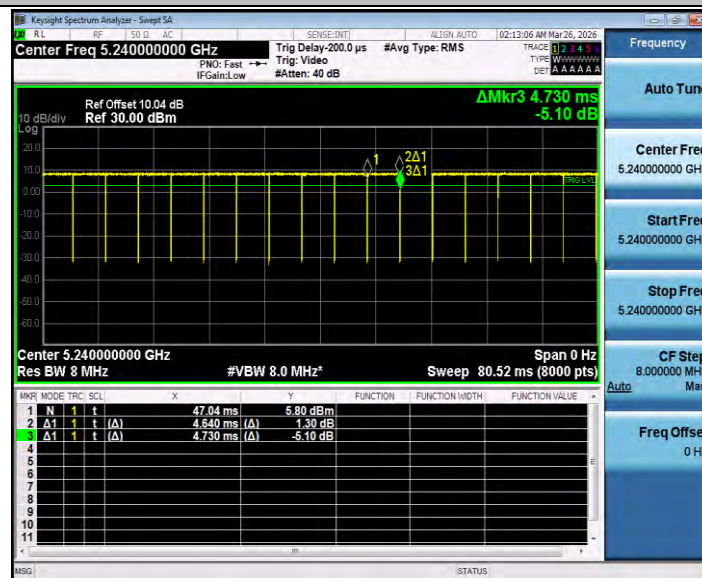
11AX20SISO_Ant0_5180



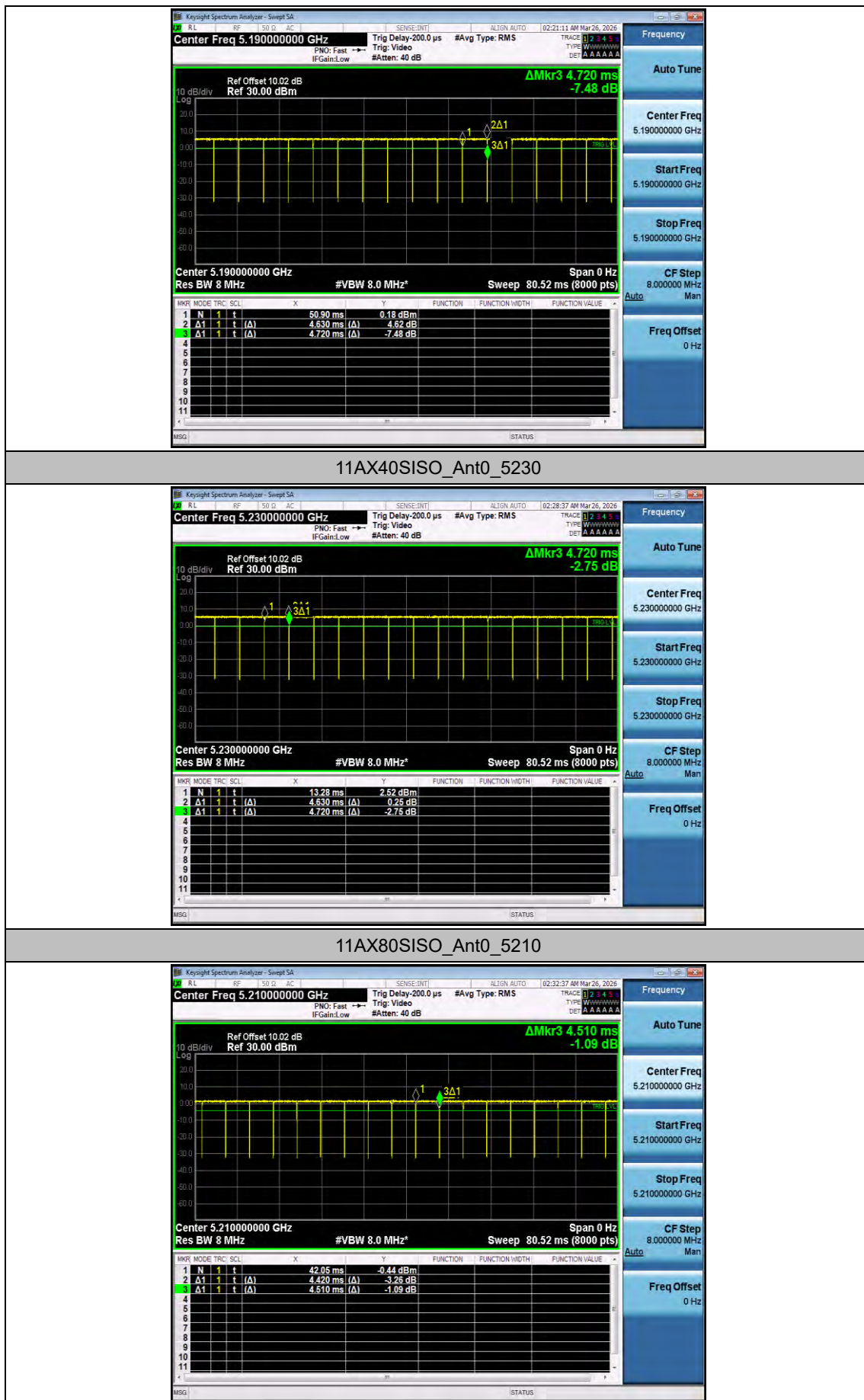
11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



Appendix D.4: Maximum conducted output power

Test Result Channel Power

TestMode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant0	5180	13.51	98.38	0.07	13.58	≤23.98	PASS
		5200	13.43	98.20	0.08	13.51	≤23.98	PASS
		5240	13.27	98.20	0.08	13.35	≤23.98	PASS
11N20SISO	Ant0	5180	13.31	98.35	0.07	13.38	≤23.98	PASS
		5200	13.23	98.17	0.08	13.31	≤23.98	PASS
		5240	13.11	98.17	0.08	13.19	≤23.98	PASS
11N40SISO	Ant0	5190	13.52	98.28	0.08	13.60	≤23.98	PASS
		5230	13.23	98.28	0.08	13.31	≤23.98	PASS
11AC20SISO	Ant0	5180	13.45	98.35	0.07	13.52	≤23.98	PASS
		5200	13.33	98.35	0.07	13.40	≤23.98	PASS
		5240	12.92	98.35	0.07	12.99	≤23.98	PASS
11AC40SISO	Ant0	5190	12.71	98.10	0.08	12.79	≤23.98	PASS
		5230	12.50	98.10	0.08	12.58	≤23.98	PASS
11AC80SISO	Ant0	5210	12.04	98.14	0.08	12.12	≤23.98	PASS
11AX20SISO	Ant0	5180	12.51	98.10	0.08	12.59	≤23.98	PASS
		5200	12.70	98.10	0.08	12.78	≤23.98	PASS
		5240	12.45	98.10	0.08	12.53	≤23.98	PASS
11AX40SISO	Ant0	5190	12.84	98.09	0.08	12.92	≤23.98	PASS
		5230	12.32	98.09	0.08	12.40	≤23.98	PASS
11AX80SISO	Ant0	5210	12.08	98.00	0.09	12.17	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant0	5180	1.81	≤11.00	PASS
		5200	1.84	≤11.00	PASS
		5240	1.70	≤11.00	PASS
11N20SISO	Ant0	5180	1.45	≤11.00	PASS
		5200	1.69	≤11.00	PASS
		5240	1.31	≤11.00	PASS
11N40SISO	Ant0	5190	-0.52	≤11.00	PASS
		5230	-1.01	≤11.00	PASS
11AC20SISO	Ant0	5180	1.59	≤11.00	PASS
		5200	1.71	≤11.00	PASS
		5240	1.15	≤11.00	PASS
11AC40SISO	Ant0	5190	-1.13	≤11.00	PASS
		5230	-1.80	≤11.00	PASS
11AC80SISO	Ant0	5210	-4.23	≤11.00	PASS
11AX20SISO	Ant0	5180	0.24	≤11.00	PASS
		5200	0.77	≤11.00	PASS
		5240	0.25	≤11.00	PASS
11AX40SISO	Ant0	5190	-1.62	≤11.00	PASS
		5230	-2.28	≤11.00	PASS
11AX80SISO	Ant0	5210	-4.95	≤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_Ant0_5180



11A_Ant0_5200



11A_Ant0_5240



11N20SISO_Ant0_5180



11N20SISO_Ant0_5200



11N20SISO_Ant0_5240



11N40SISO_Ant0_5190



11N40SISO_Ant0_5230



11AC20SISO_Ant0_5180



11AC20SISO_Ant0_5200



11AC20SISO_Ant0_5240



11AC40SISO_Ant0_5190



11AC40SISO_Ant0_5230



11AC80SISO_Ant0_5210



11AX20SISO_Ant0_5180



11AX20SISO_Ant0_5200



11AX20SISO_Ant0_5240



11AX40SISO_Ant0_5190



11AX40SISO_Ant0_5230



11AX80SISO_Ant0_5210

