

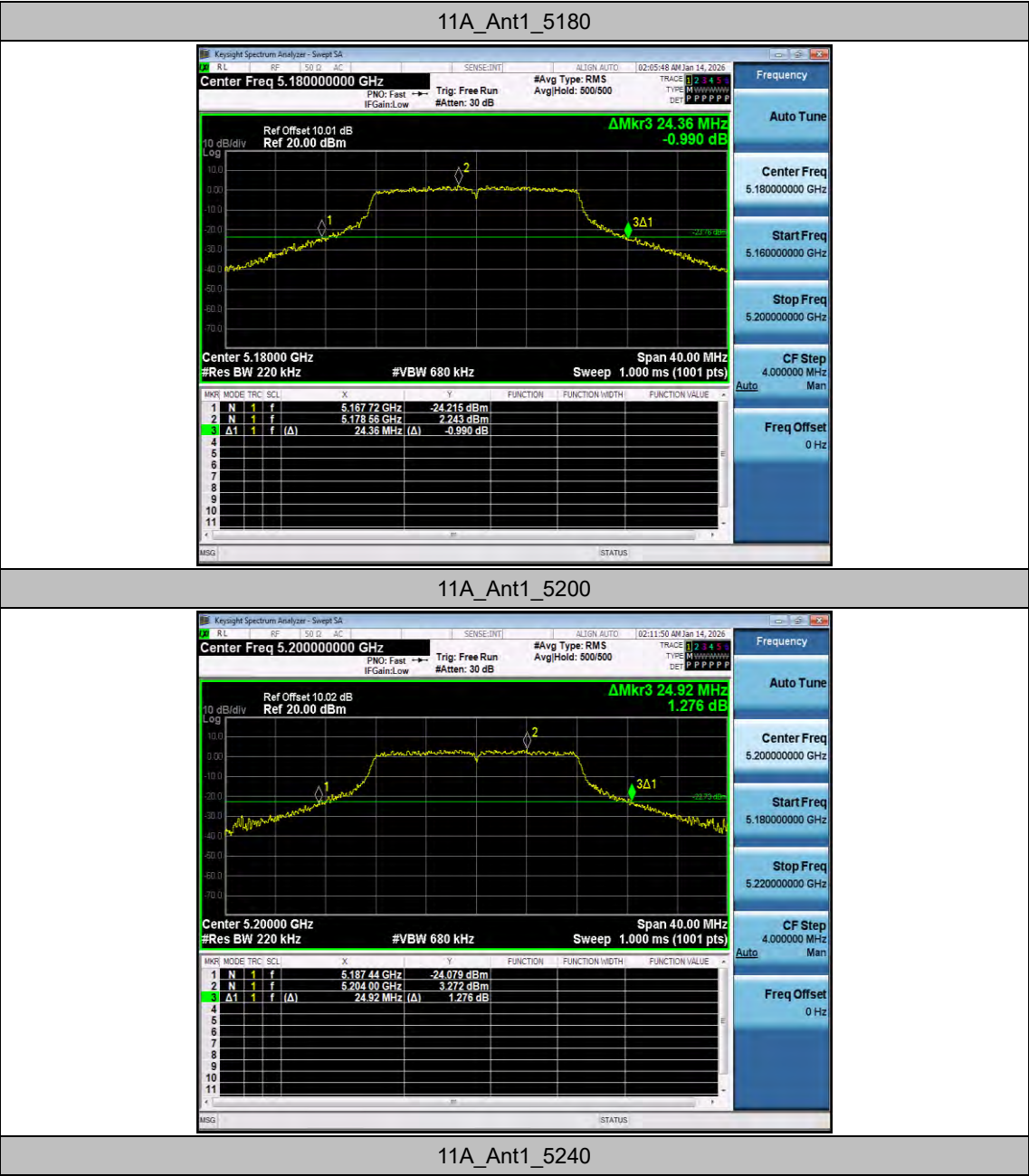
Case No. : <u>GTS20250825004-12-05</u>
Ambient Condition: <u>22</u> °C, <u>48</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.12.20-2026.1.22</u> Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.360	5167.720	5192.080	---	---
		5200	24.920	5187.440	5212.360	---	---
		5240	24.360	5227.480	5251.840	---	---
11N20SISO	Ant1	5180	25.800	5167.320	5193.120	---	---
		5200	26.200	5186.920	5213.120	---	---
		5240	25.520	5227.080	5252.600	---	---
11N40SISO	Ant1	5190	45.760	5167.120	5212.880	---	---
		5230	44.640	5207.920	5252.560	---	---
11AC20SISO	Ant1	5180	24.720	5167.560	5192.280	---	---
		5200	24.840	5187.760	5212.600	---	---
		5240	25.560	5227.440	5253.000	---	---
11AC40SISO	Ant1	5190	45.600	5166.960	5212.560	---	---
		5230	47.280	5207.040	5254.320	---	---
11AC80SISO	Ant1	5210	91.520	5165.360	5256.880	---	---
11AX20SISO	Ant1	5180	25.360	5167.760	5193.120	---	---
		5200	24.560	5188.160	5212.720	---	---
		5240	24.360	5227.640	5252.000	---	---
11AX40SISO	Ant1	5190	44.880	5167.840	5212.720	---	---
		5230	44.880	5207.840	5252.720	---	---
11AX80SISO	Ant1	5210	85.120	5167.920	5253.040	---	---

Test Graphs



11A_Ant1_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_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



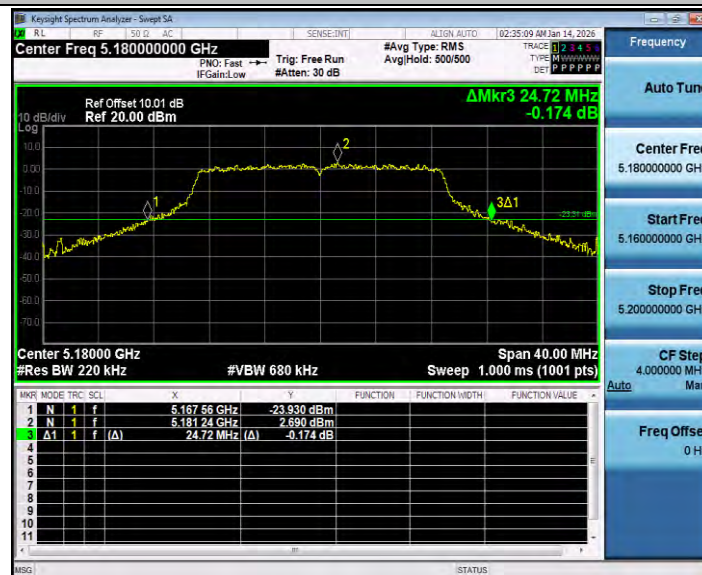
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



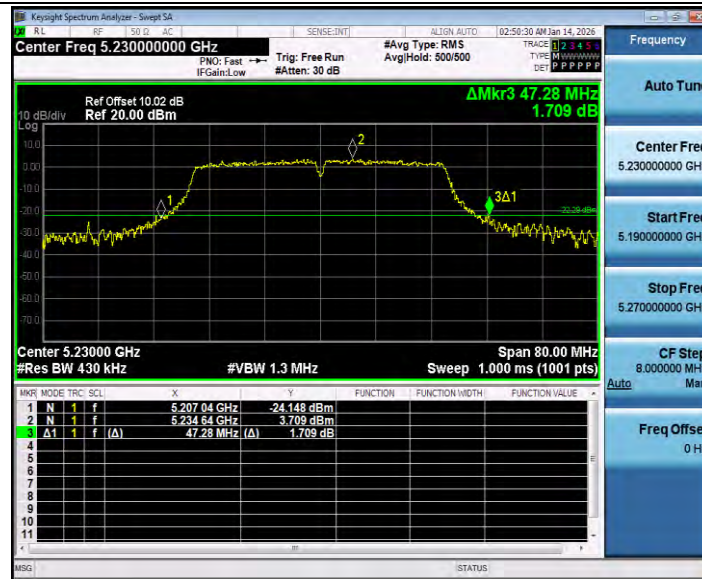
11AC20SISO_Ant1_5240



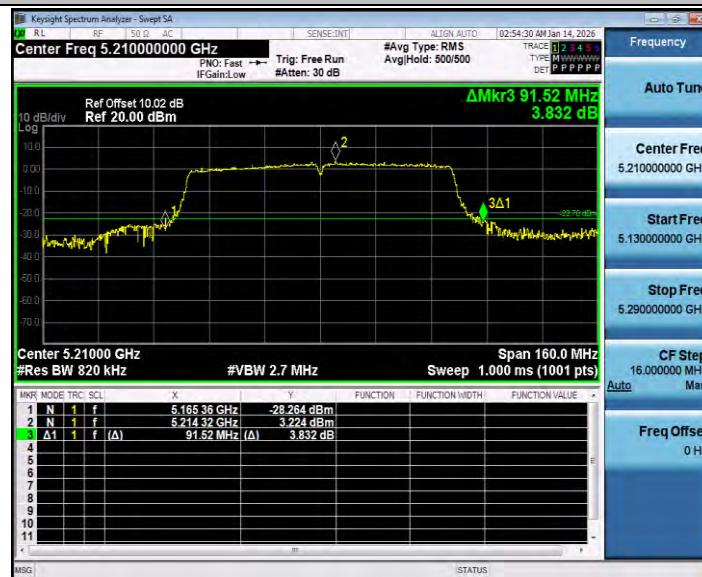
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

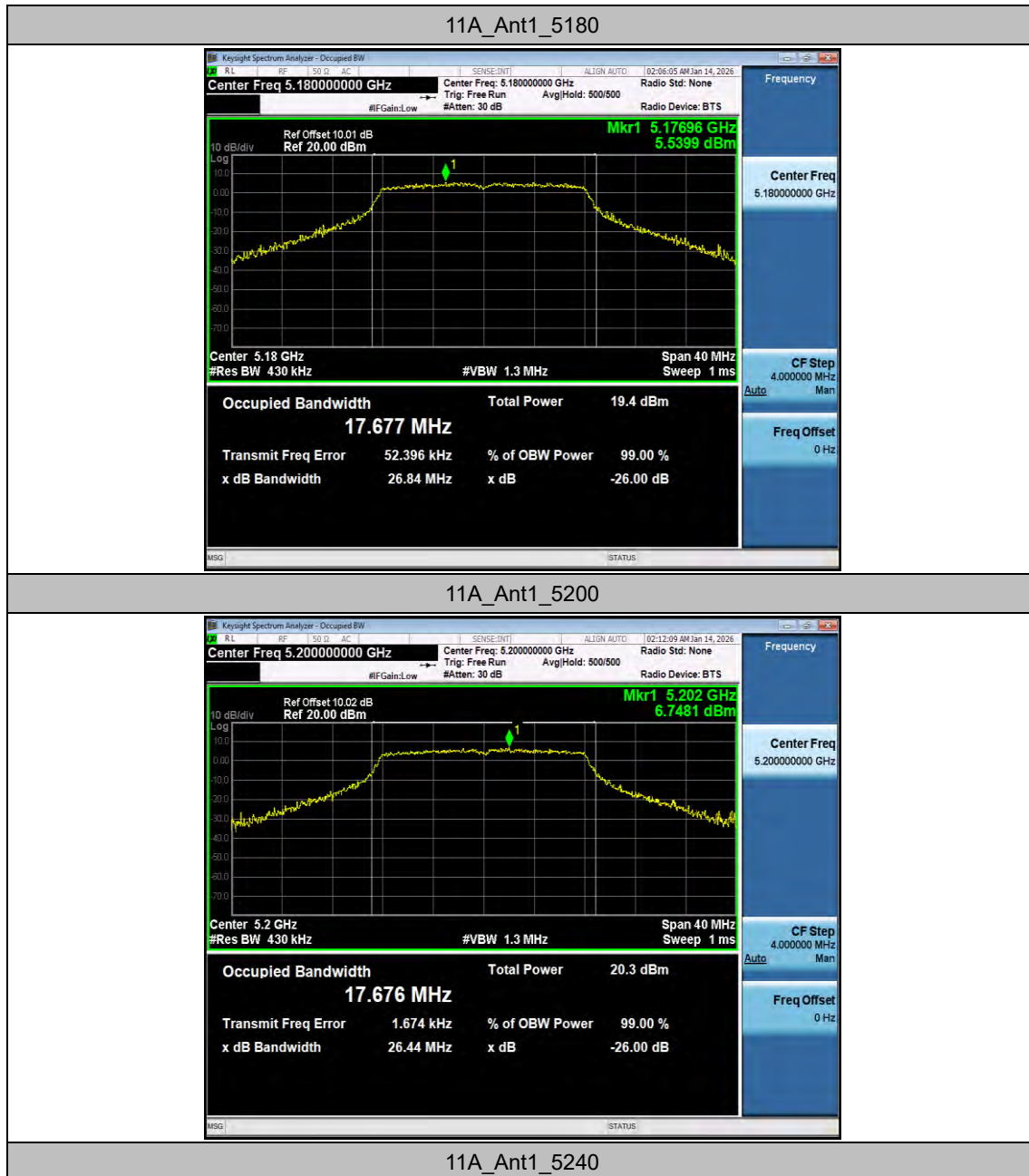


Appendix D.2: Occupied channel bandwidth

Test Result

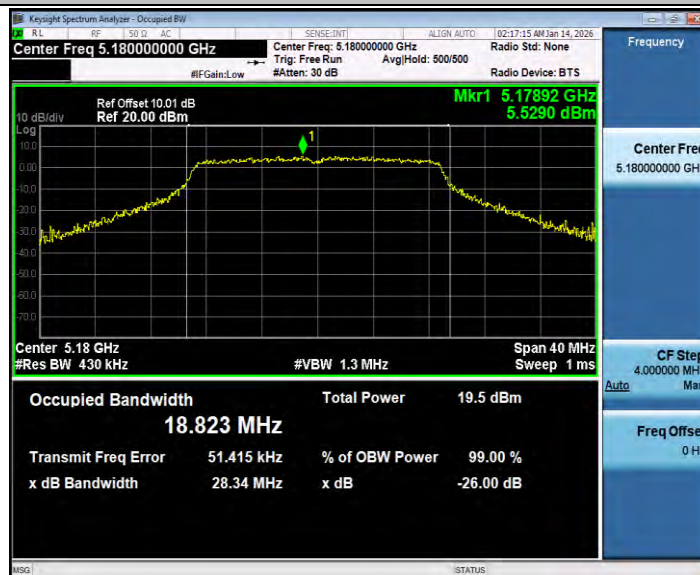
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.677	5171.2139	5188.8909	---	---
		5200	17.676	5191.1637	5208.8397	---	---
		5240	17.719	5231.0993	5248.8183	---	---
11N20SISO	Ant1	5180	18.823	5170.6399	5189.4629	---	---
		5200	18.724	5190.6964	5209.4204	---	---
		5240	18.768	5230.5876	5249.3556	---	---
11N40SISO	Ant1	5190	37.215	5171.5192	5208.7342	---	---
		5230	37.297	5211.4147	5248.7117	---	---
11AC20SISO	Ant1	5180	18.736	5170.6737	5189.4097	---	---
		5200	18.677	5190.7227	5209.3997	---	---
		5240	18.714	5230.6255	5249.3395	---	---
11AC40SISO	Ant1	5190	37.260	5171.5417	5208.8017	---	---
		5230	37.294	5211.4332	5248.7272	---	---
11AC80SISO	Ant1	5210	76.311	5172.2154	5248.5264	---	---
11AX20SISO	Ant1	5180	19.470	5170.3656	5189.8356	---	---
		5200	19.516	5190.2844	5209.8004	---	---
		5240	19.481	5230.2442	5249.7252	---	---
11AX40SISO	Ant1	5190	38.322	5170.9895	5209.3115	---	---
		5230	38.203	5210.9214	5249.1244	---	---
11AX80SISO	Ant1	5210	77.845	5171.3755	5249.2205	---	---

Test Graphs





11N20SISO_Ant1_5180



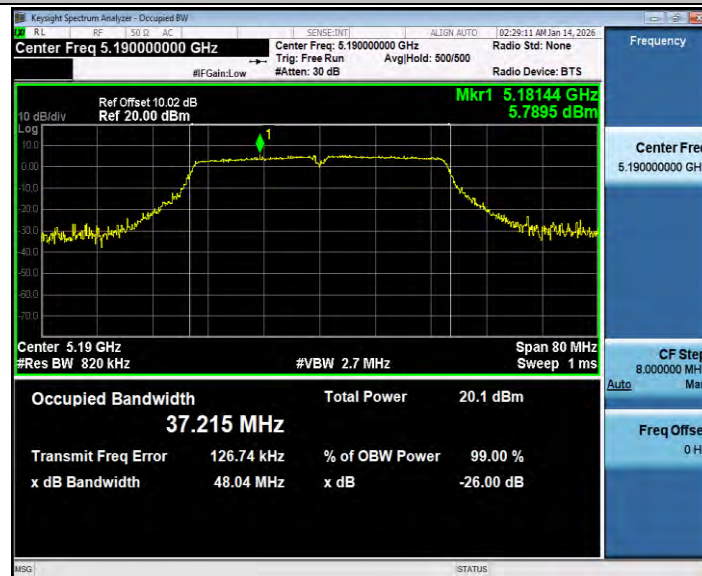
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



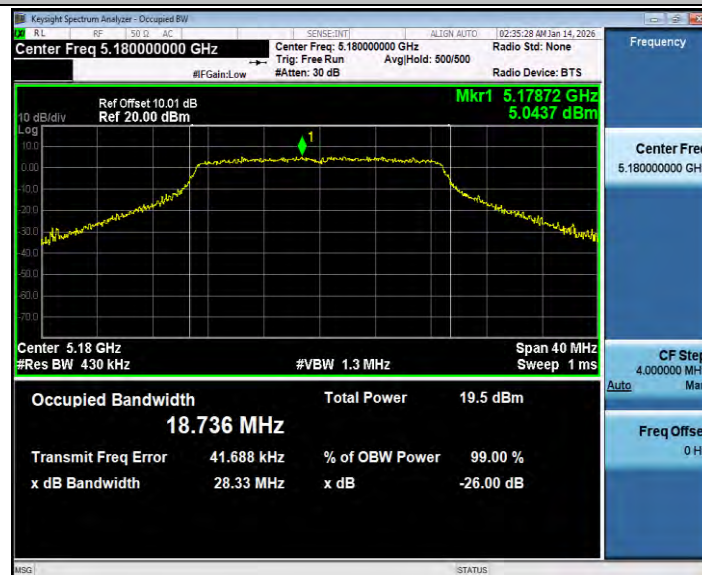
11N40SISO_Ant1_5190



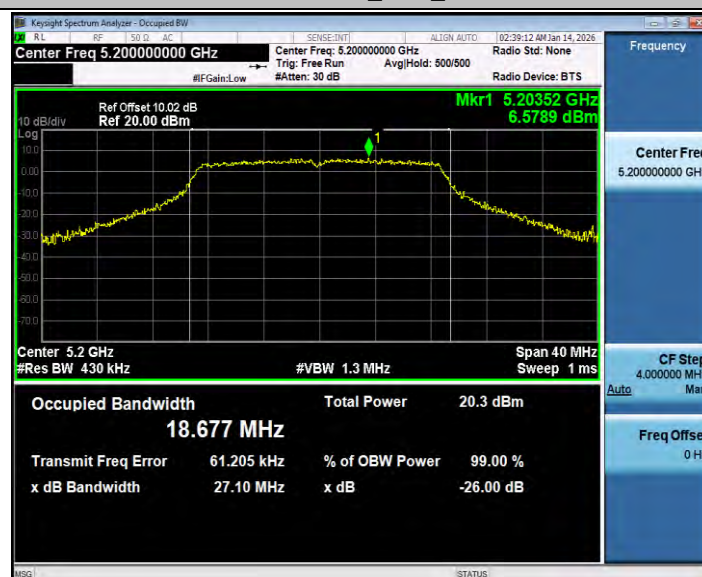
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



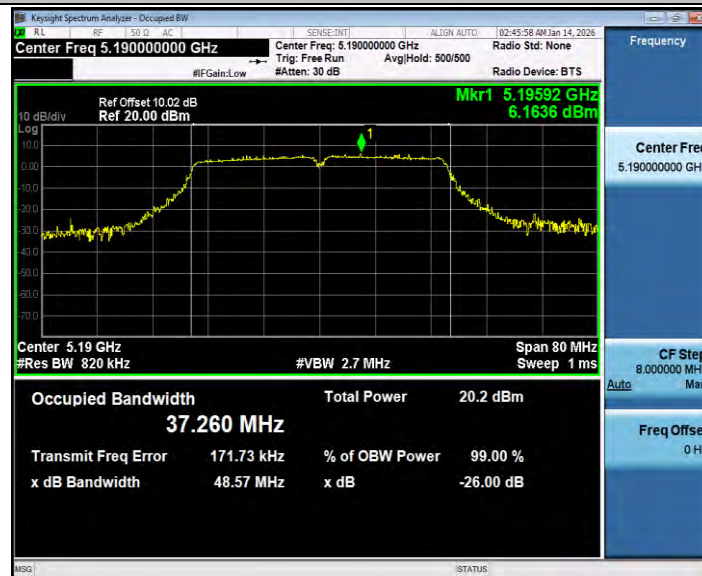
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



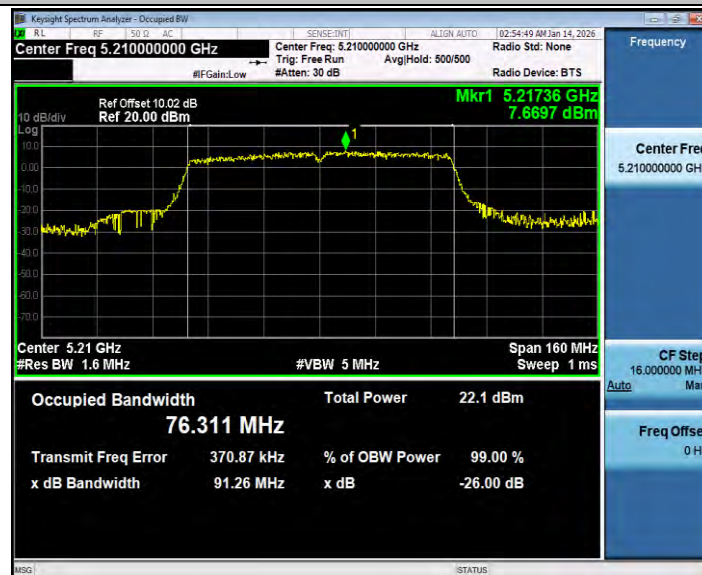
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



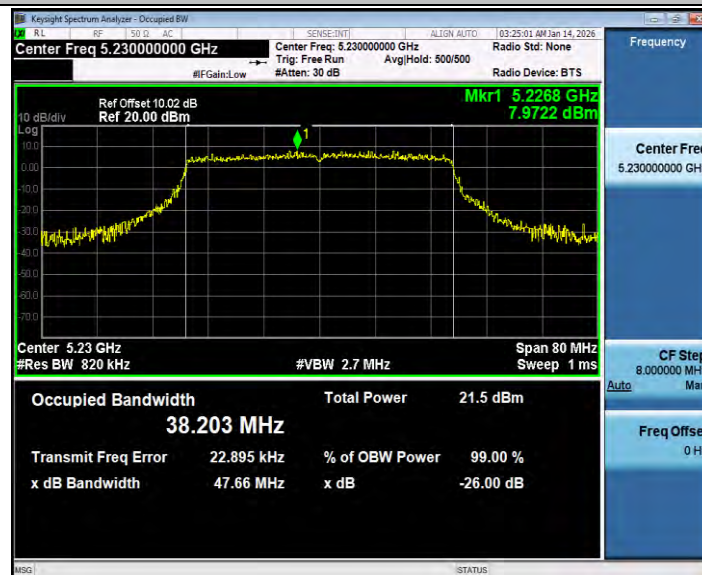
11AX20SISO_Ant1_5240



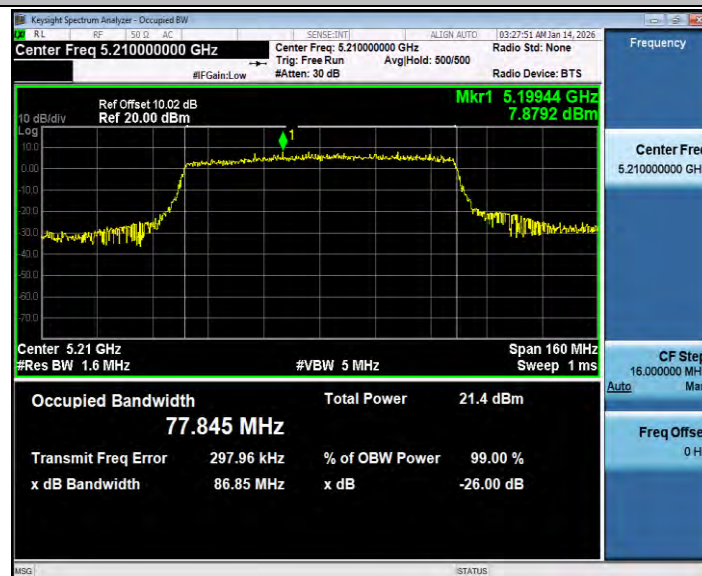
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

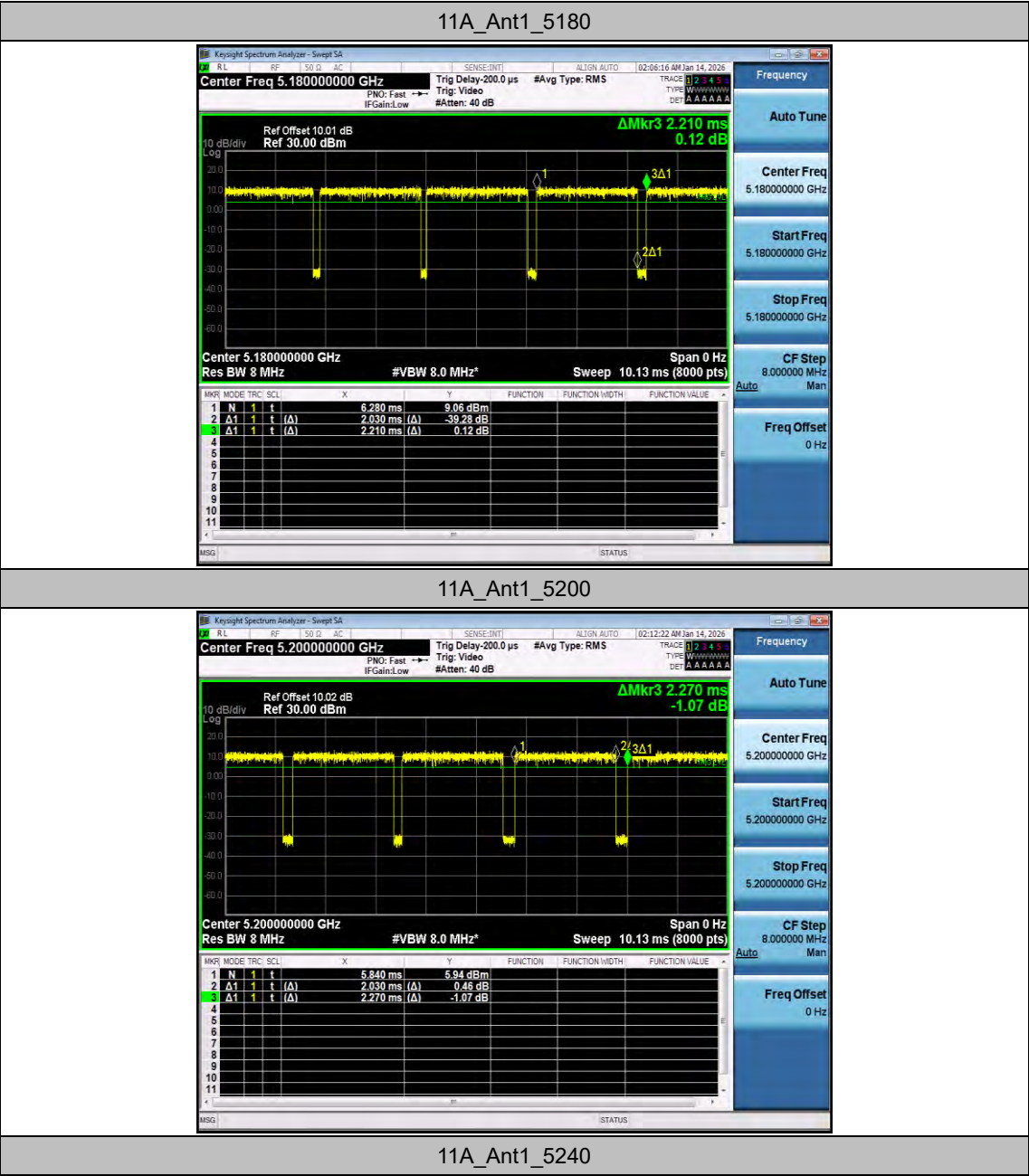


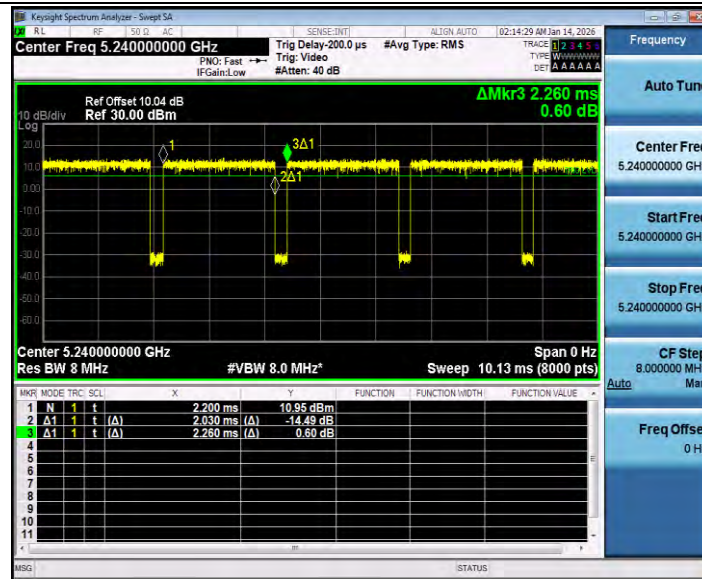
AppendixD.3: Duty Cycle

Test Result

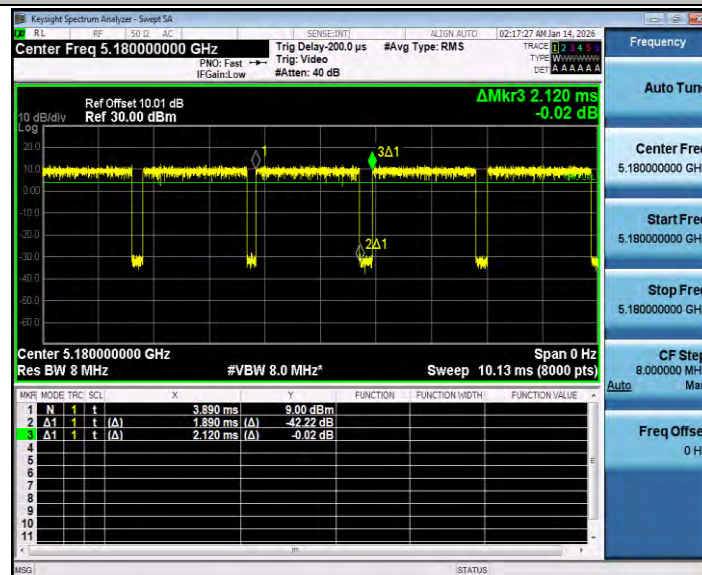
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.21	91.86	0.37	0.49
		5200	2.03	2.27	89.43	0.49	0.49
		5240	2.03	2.26	89.82	0.47	0.49
11N20SISO	Ant1	5180	1.89	2.12	89.15	0.50	0.53
		5200	1.89	2.09	90.43	0.44	0.53
		5240	1.89	2.05	92.20	0.35	0.53
11N40SISO	Ant1	5190	0.93	1.11	83.78	0.77	1.08
		5230	0.94	1.11	84.68	0.72	1.06
11AC20SISO	Ant1	5180	1.90	2.10	90.48	0.43	0.53
		5200	1.90	2.23	85.20	0.70	0.53
		5240	1.90	2.09	90.91	0.41	0.53
11AC40SISO	Ant1	5190	0.93	1.11	83.78	0.77	1.08
		5230	0.93	1.11	83.78	0.77	1.08
11AC80SISO	Ant1	5210	0.46	0.92	50.00	3.01	2.17
11AX20SISO	Ant1	5180	1.46	1.70	85.88	0.66	0.68
		5200	1.46	1.70	85.88	0.66	0.68
		5240	1.46	1.69	86.39	0.64	0.68
11AX40SISO	Ant1	5190	0.76	0.90	84.44	0.73	1.32
		5230	0.76	0.92	82.61	0.83	1.32
11AX80SISO	Ant1	5210	0.40	0.62	64.52	1.90	2.50

Test Graphs

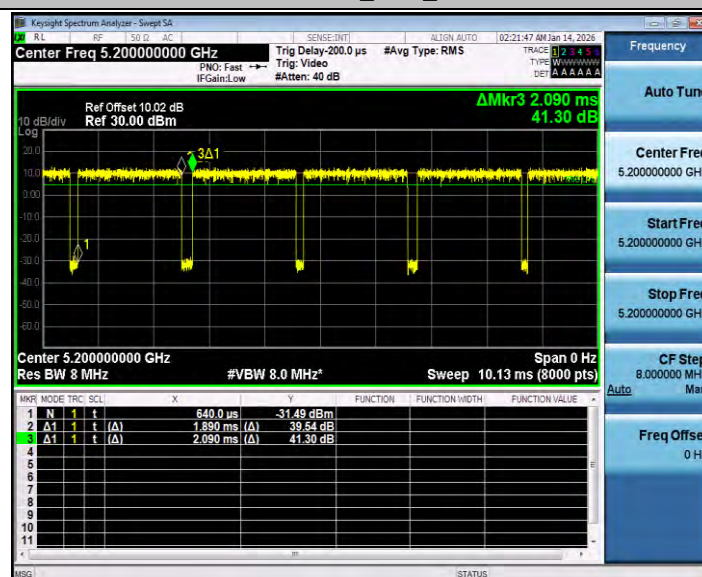




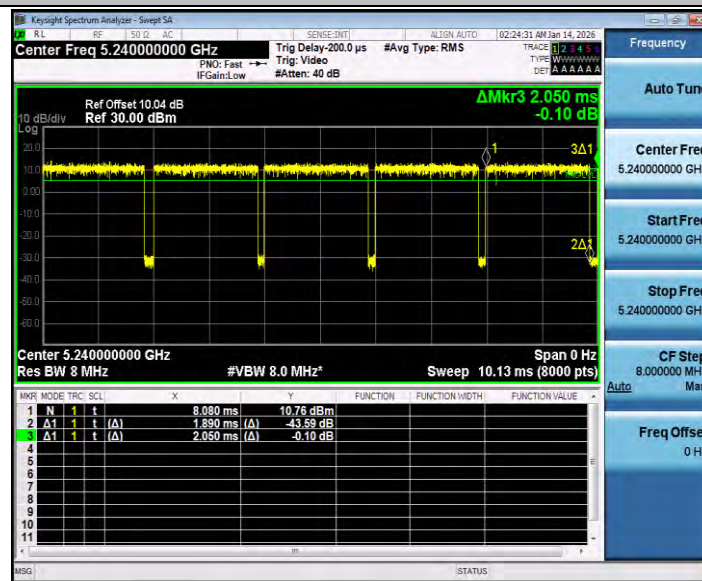
11N20SISO_Ant1_5180



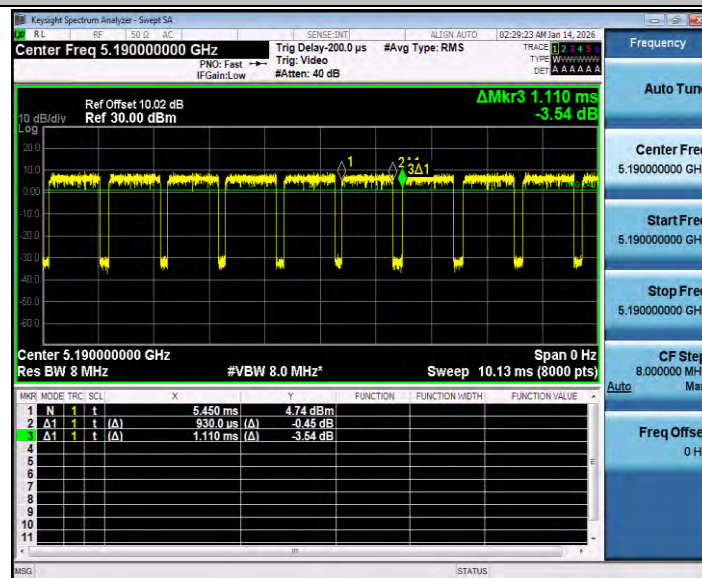
11N20SISO_Ant1_5200



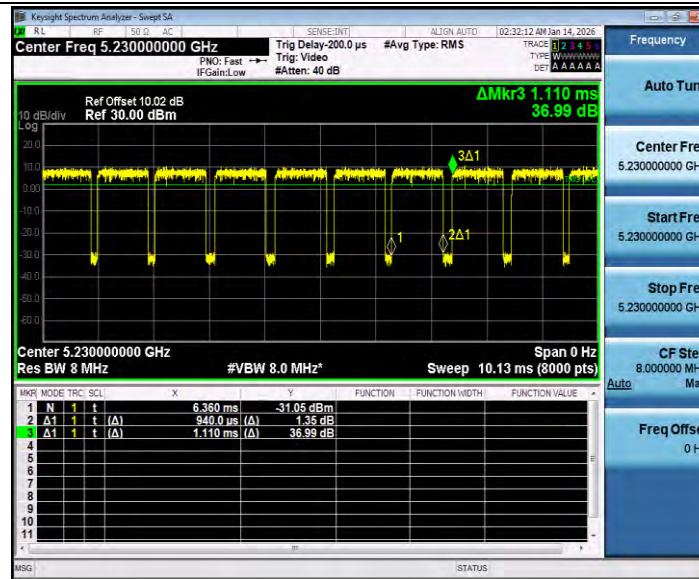
11N20SISO_Ant1_5240



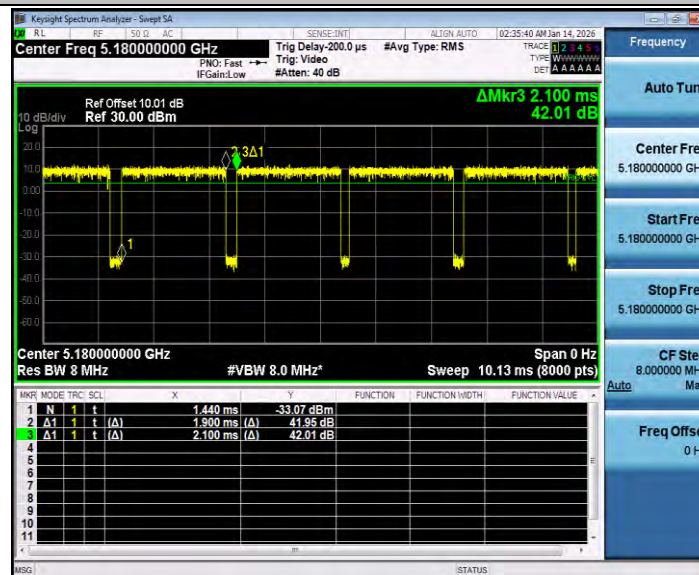
11N40SISO_Ant1_5190



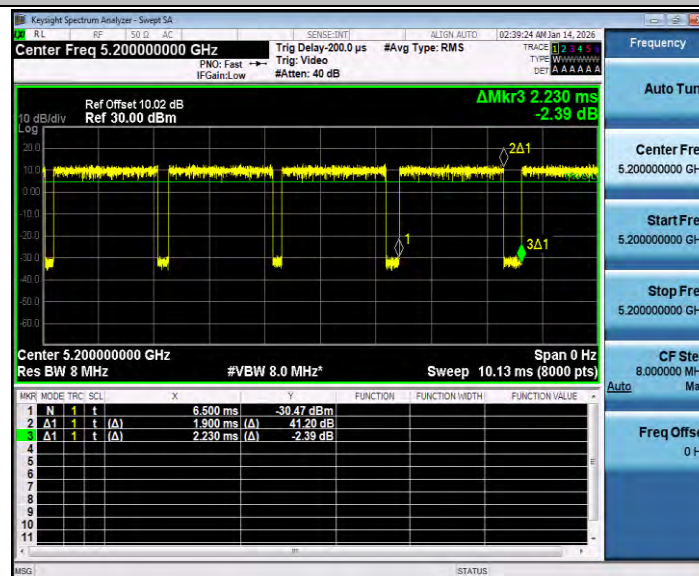
11N40SISO_Ant1_5230



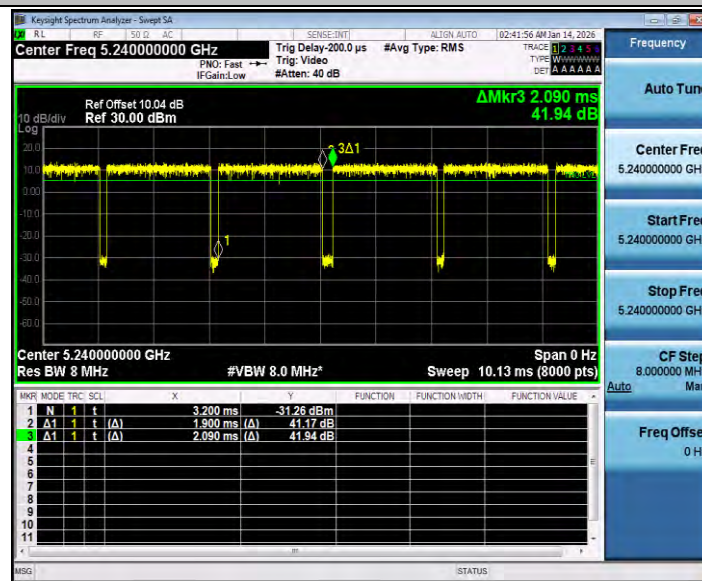
11AC20SISO_Ant1_5180



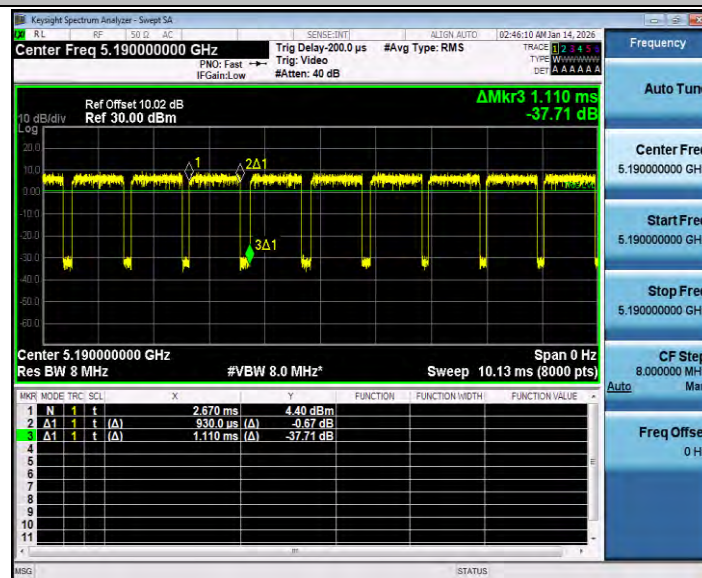
11AC20SISO_Ant1_5200



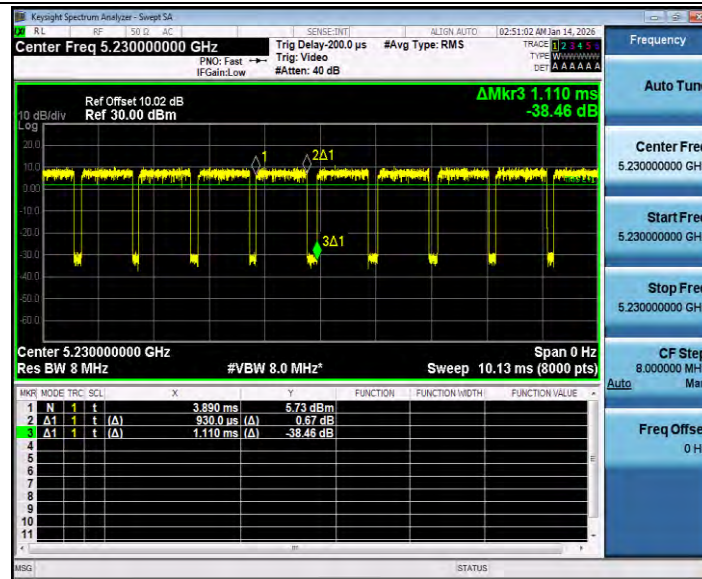
11AC20SISO_Ant1_5240



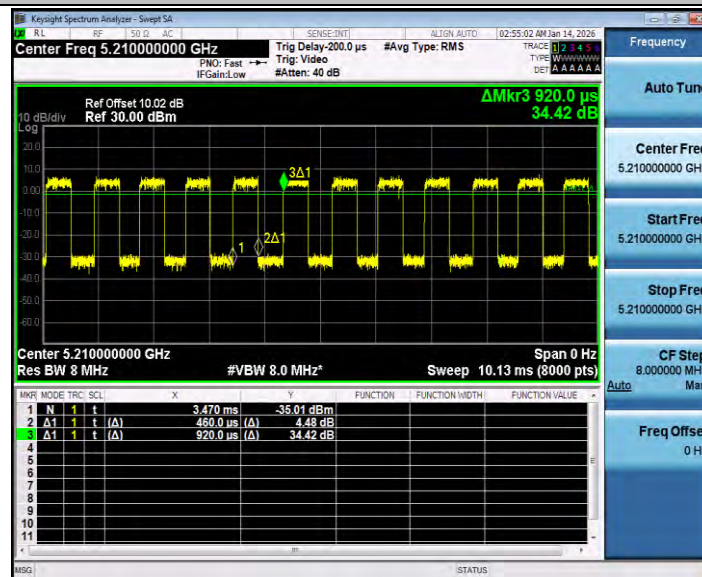
11AC40SISO_Ant1_5190



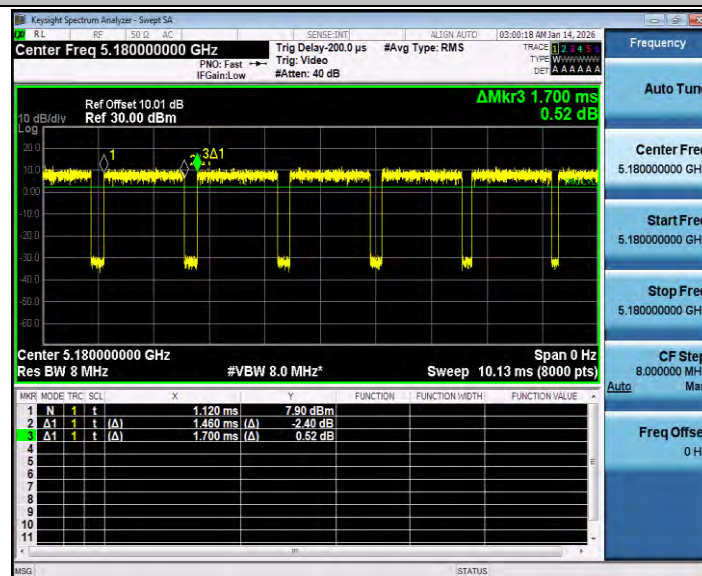
11AC40SISO_Ant1_5230



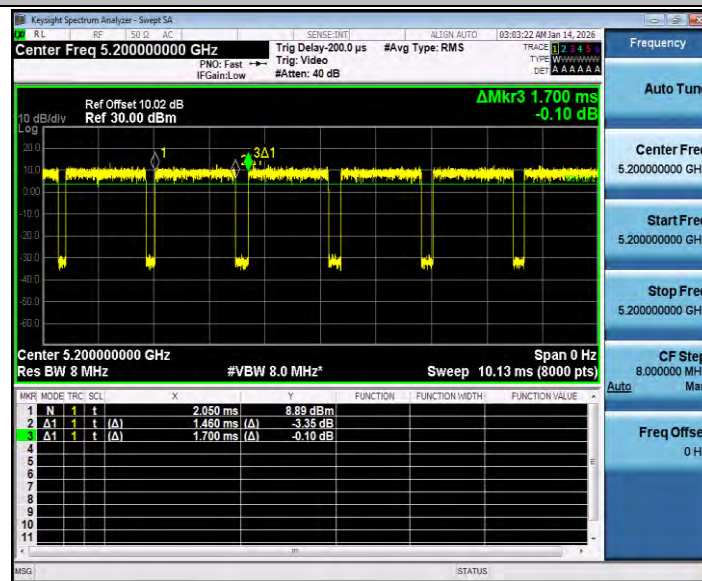
11AC80SISO_Ant1_5210



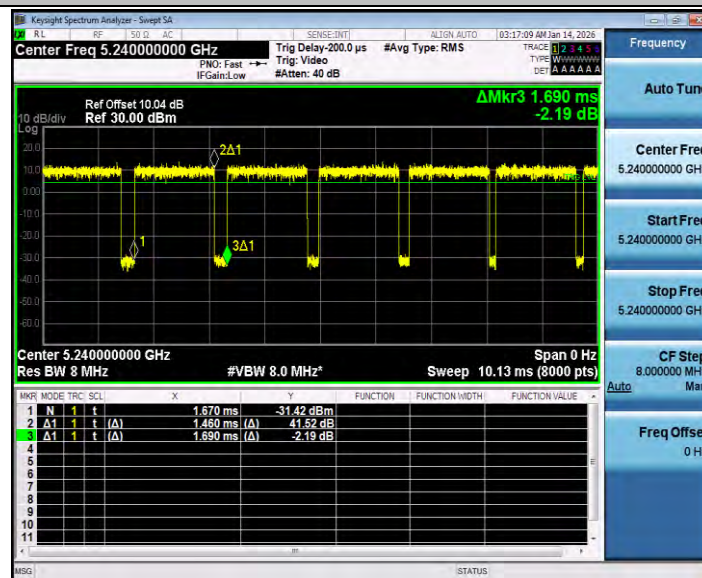
11AX20SISO_Ant1_5180



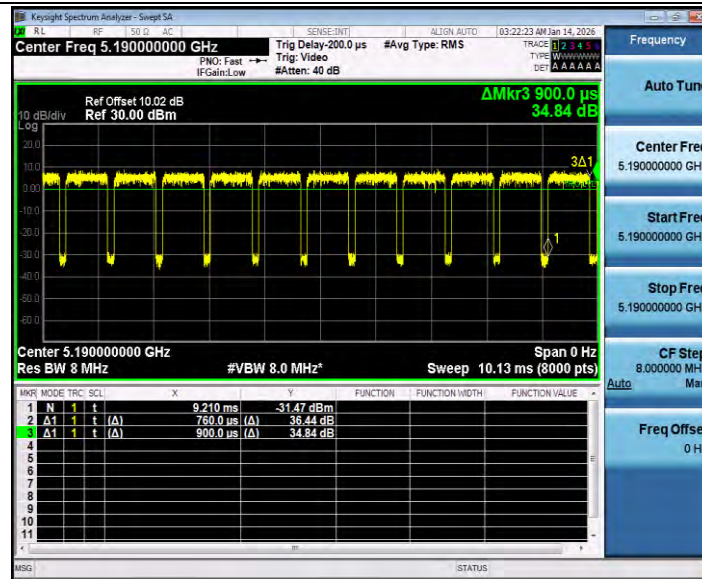
11AX20SISO_Ant1_5200



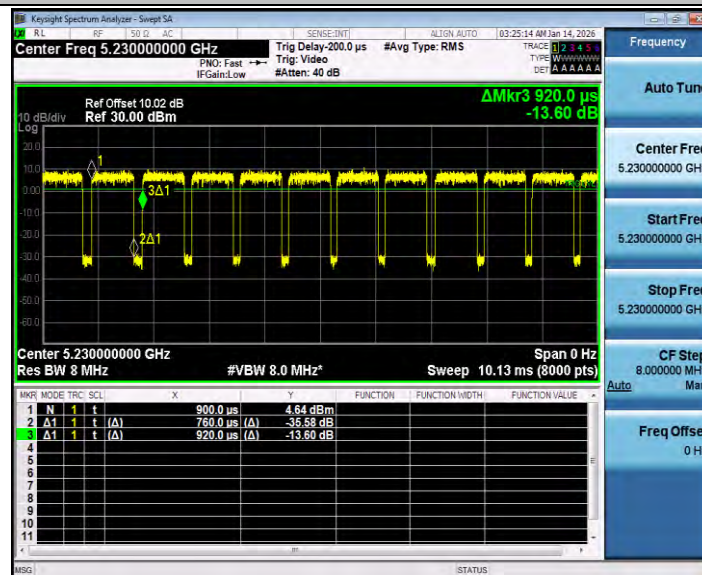
11AX20SISO_Ant1_5240



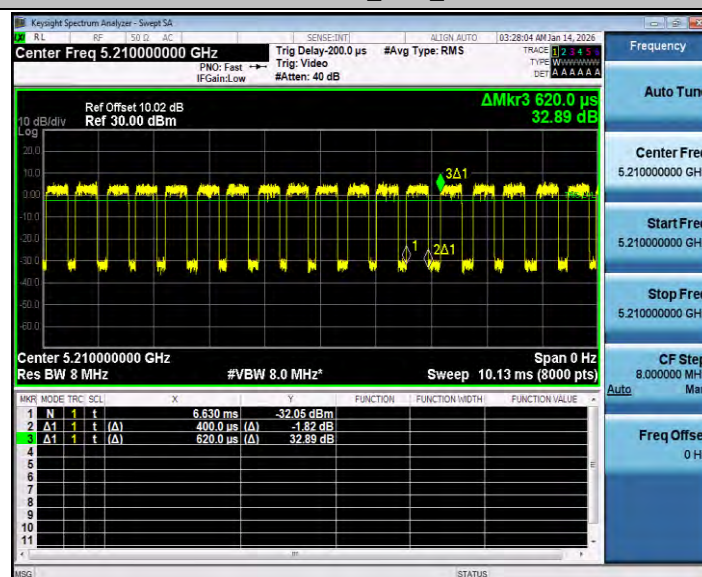
11AX40SISO_Ant1_5190



11AX40ISO_Ant1_5230



11AX80ISO_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	12.43	91.86	0.37	12.80	≤23.98	PASS
		5200	13.05	89.43	0.49	13.54	≤23.98	PASS
		5240	14.11	89.82	0.47	14.58	≤23.98	PASS
11N20SISO	Ant1	5180	12.38	89.15	0.50	12.88	≤23.98	PASS
		5200	12.98	90.43	0.44	13.42	≤23.98	PASS
		5240	13.94	92.20	0.35	14.29	≤23.98	PASS
11N40SISO	Ant1	5190	12.04	83.78	0.77	12.81	≤23.98	PASS
		5230	13.31	84.68	0.72	14.03	≤23.98	PASS
11AC20SISO	Ant1	5180	12.31	90.48	0.43	12.74	≤23.98	PASS
		5200	13.02	85.20	0.70	13.72	≤23.98	PASS
		5240	13.81	90.91	0.41	14.22	≤23.98	PASS
11AC40SISO	Ant1	5190	12.10	83.78	0.77	12.87	≤23.98	PASS
		5230	13.18	83.78	0.77	13.95	≤23.98	PASS
11AC80SISO	Ant1	5210	11.85	50.00	3.01	14.86	≤23.98	PASS
11AX20SISO	Ant1	5180	11.16	85.88	0.66	11.82	≤23.98	PASS
		5200	11.87	85.88	0.66	12.53	≤23.98	PASS
		5240	12.68	86.39	0.64	13.32	≤23.98	PASS
11AX40SISO	Ant1	5190	10.91	84.44	0.73	11.64	≤23.98	PASS
		5230	12.17	82.61	0.83	13.00	≤23.98	PASS
11AX80SISO	Ant1	5210	10.31	64.52	1.90	12.21	≤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	1.65	≤11.00	PASS
		5200	2.48	≤11.00	PASS
		5240	3.52	≤11.00	PASS
11N20SISO	Ant1	5180	1.48	≤11.00	PASS
		5200	2.14	≤11.00	PASS
		5240	2.92	≤11.00	PASS
11N40SISO	Ant1	5190	-1.30	≤11.00	PASS
		5230	-0.24	≤11.00	PASS
11AC20SISO	Ant1	5180	1.32	≤11.00	PASS
		5200	2.38	≤11.00	PASS
		5240	2.89	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.23	≤11.00	PASS
		5230	-0.21	≤11.00	PASS
11AC80SISO	Ant1	5210	-1.76	≤11.00	PASS
11AX20SISO	Ant1	5180	0.19	≤11.00	PASS
		5200	1.02	≤11.00	PASS
		5240	1.86	≤11.00	PASS
11AX40SISO	Ant1	5190	-2.81	≤11.00	PASS
		5230	-1.56	≤11.00	PASS
11AX80SISO	Ant1	5210	-4.21	≤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

