

Case No. : <u>GTS20250409003-5-04</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.5.21</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	24.440	5167.800	5192.240	---	---
		5200	27.800	5186.040	5213.840	---	---
		5240	24.880	5227.080	5251.960	---	---
11N20SISO	Ant1	5180	27.040	5166.360	5193.400	---	---
		5200	25.720	5186.880	5212.600	---	---
		5240	25.320	5227.080	5252.400	---	---
11N40SISO	Ant1	5190	48.320	5167.200	5215.520	---	---
		5230	47.520	5207.120	5254.640	---	---
11AC20SISO	Ant1	5180	26.120	5166.760	5192.880	---	---
		5200	24.960	5187.480	5212.440	---	---
		5240	25.920	5226.480	5252.400	---	---
11AC40SISO	Ant1	5190	47.440	5167.120	5214.560	---	---
		5230	46.880	5205.920	5252.800	---	---
11AX20SISO	Ant1	5180	24.280	5168.040	5192.320	---	---
		5200	25.160	5187.800	5212.960	---	---
		5240	25.160	5227.200	5252.360	---	---
11AX40SISO	Ant1	5190	44.560	5167.440	5212.000	---	---
		5230	44.800	5207.600	5252.400	---	---

Test Graphs

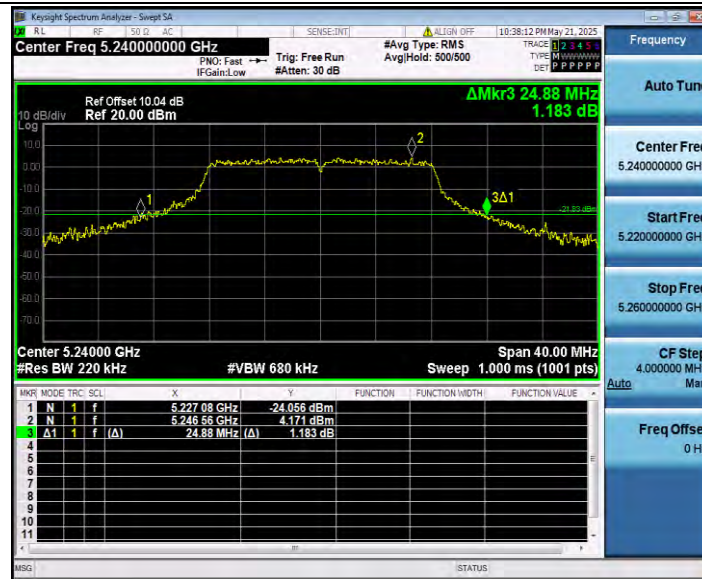
11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



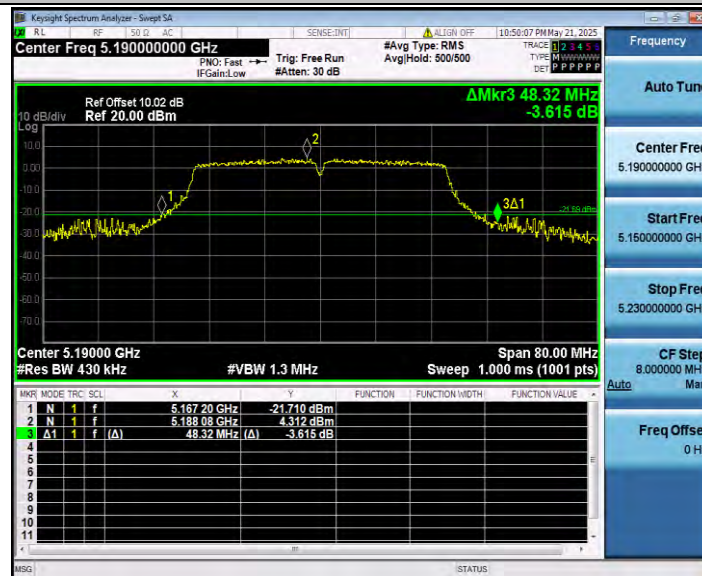
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



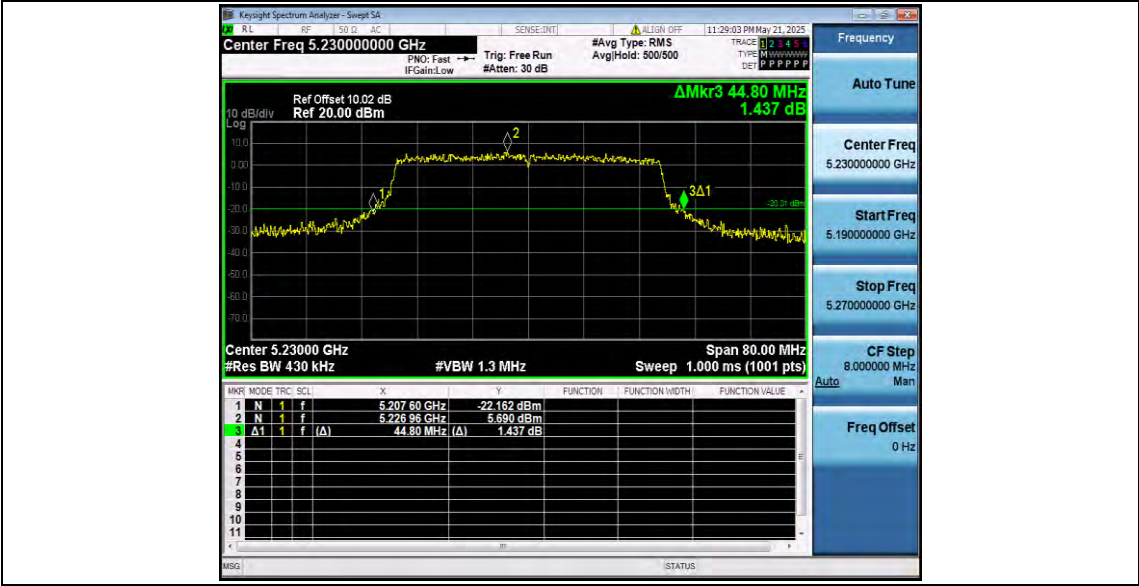
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200







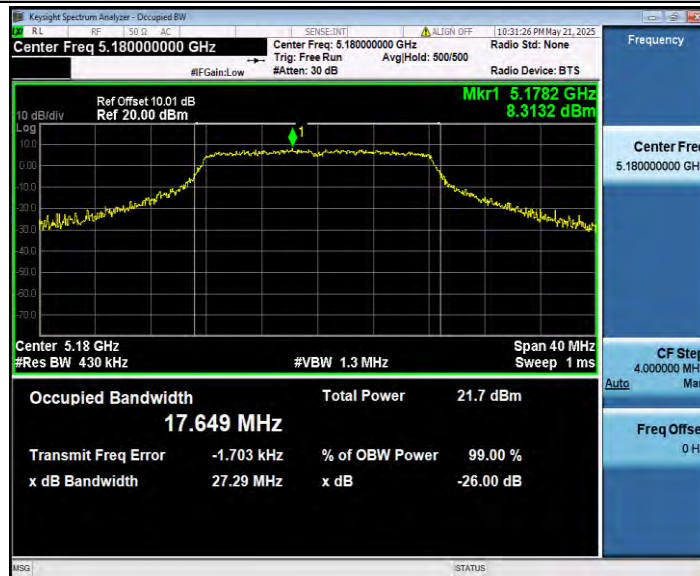
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.649	5171.1738	5188.8228	---	---
		5200	17.561	5191.2142	5208.7752	---	---
		5240	17.692	5231.1027	5248.7947	---	---
11N20SISO	Ant1	5180	18.796	5170.6156	5189.4116	---	---
		5200	18.753	5190.5724	5209.3254	---	---
		5240	18.769	5230.5444	5249.3134	---	---
11N40SISO	Ant1	5190	37.328	5171.3328	5208.6608	---	---
		5230	37.472	5211.0833	5248.5553	---	---
11AC20SISO	Ant1	5180	18.832	5170.5132	5189.3452	---	---
		5200	18.694	5190.5826	5209.2766	---	---
		5240	18.776	5230.4803	5249.2563	---	---
11AC40SISO	Ant1	5190	37.293	5171.2723	5208.5653	---	---
		5230	37.413	5211.1261	5248.5391	---	---
11AX20SISO	Ant1	5180	19.436	5170.2536	5189.6896	---	---
		5200	19.446	5190.2341	5209.6801	---	---
		5240	19.452	5230.2358	5249.6878	---	---
11AX40SISO	Ant1	5190	38.309	5170.8148	5209.1238	---	---
		5230	38.288	5210.7865	5249.0745	---	---

Test Graphs

11A_Ant1_5180



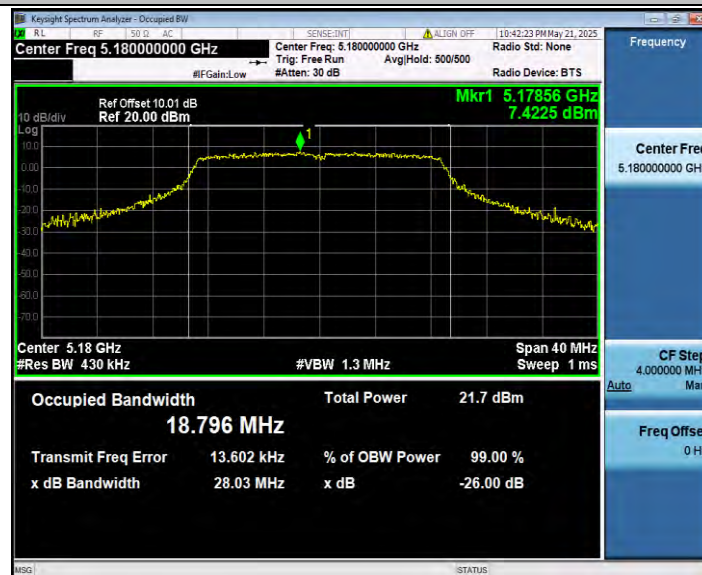
11A_Ant1_5200



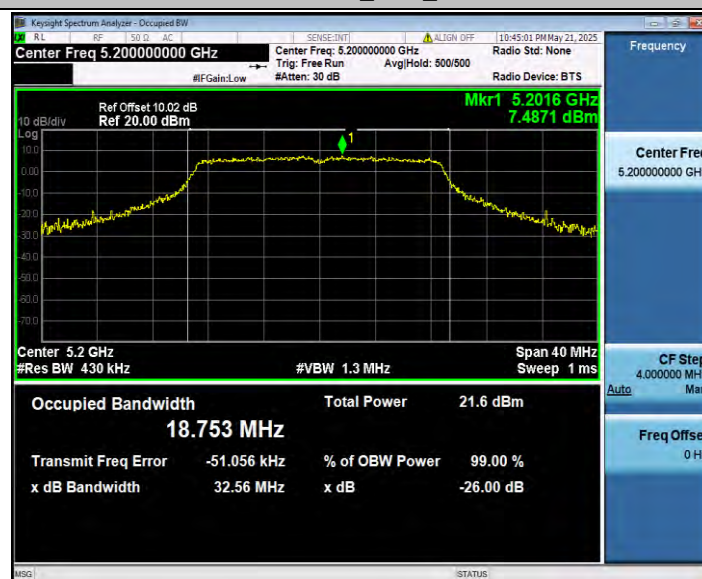
11A_Ant1_5240



11N20SISO_Ant1_5180



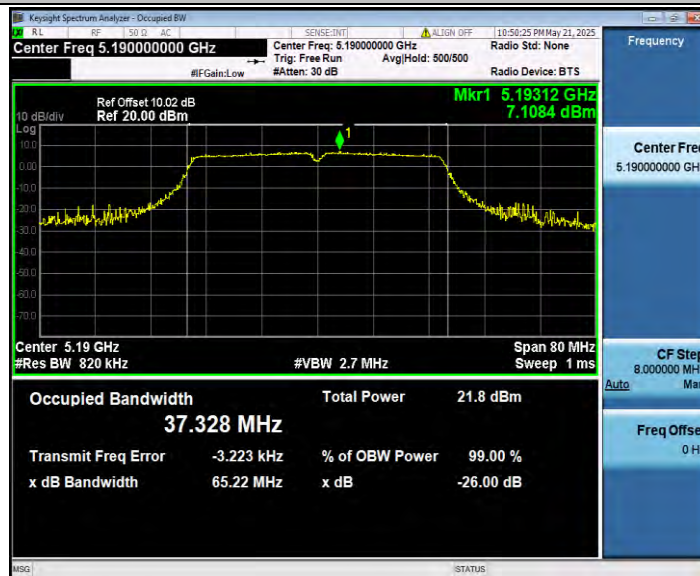
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



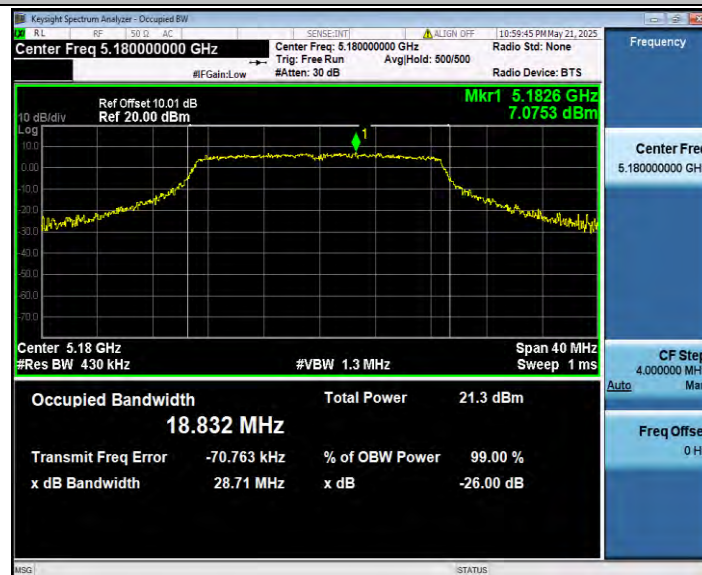
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



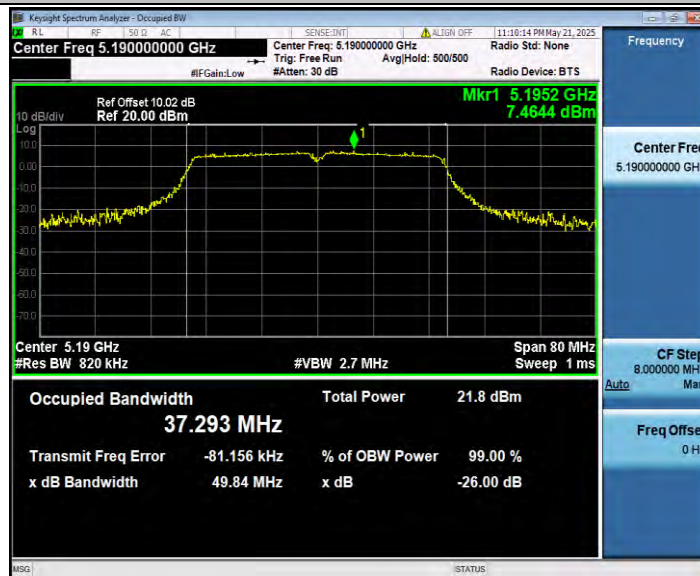
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



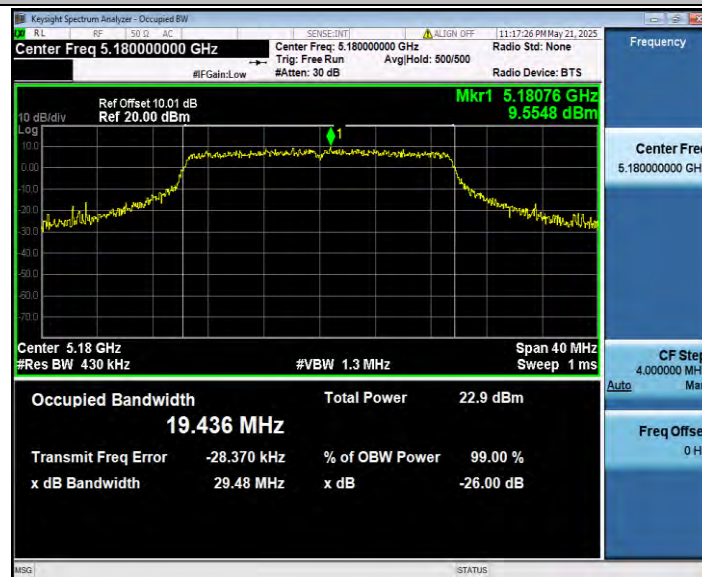
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



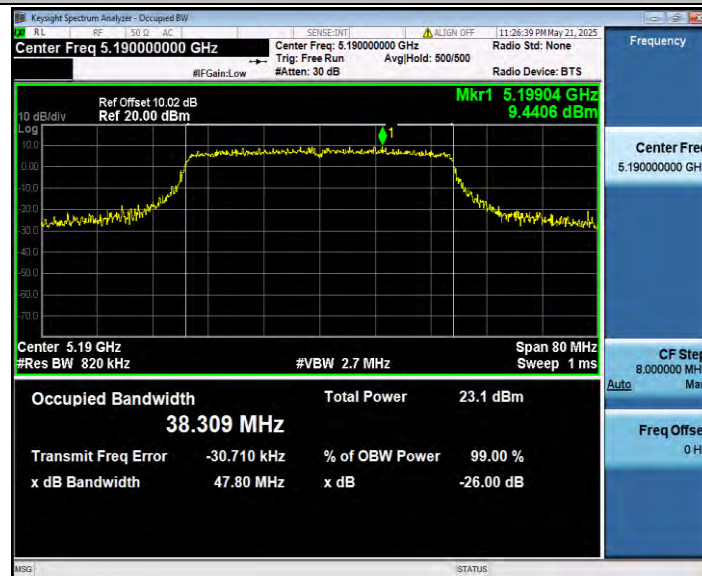
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



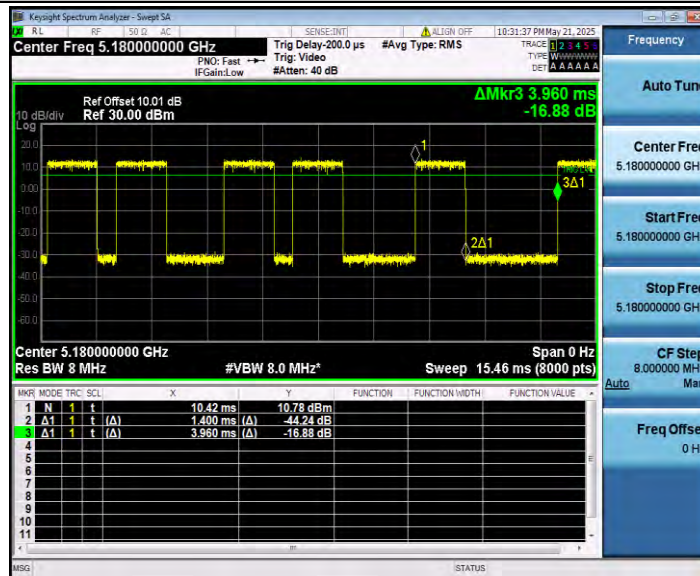
Appendix D.3: Duty Cycle

Test Result

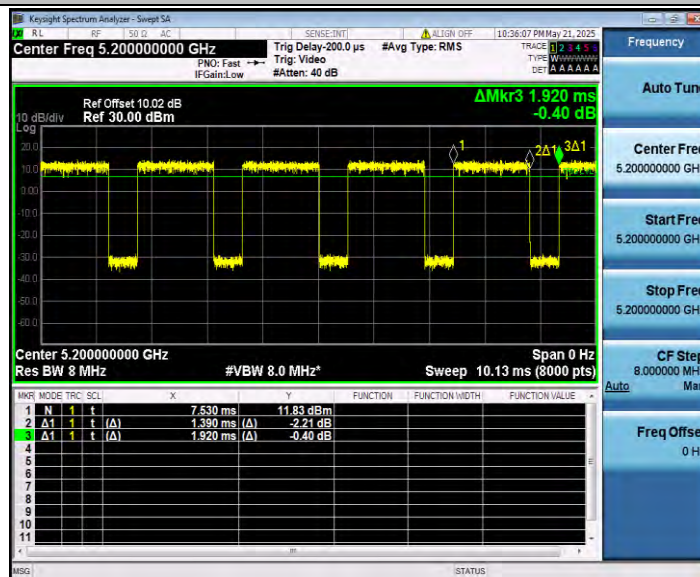
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	1.40	3.96	35.35	4.52	0.71
		5200	1.39	1.92	72.40	1.40	0.72
		5240	1.40	1.91	73.30	1.35	0.71
11N20SISO	Ant1	5180	5.09	5.61	90.73	0.42	0.20
		5200	5.09	5.61	90.73	0.42	0.20
		5240	5.09	5.61	90.73	0.42	0.20
11N40SISO	Ant1	5190	4.90	5.41	90.57	0.43	0.20
		5230	4.90	5.41	90.57	0.43	0.20
11AC20SISO	Ant1	5180	5.10	5.62	90.75	0.42	0.20
		5200	5.09	5.61	90.73	0.42	0.20
		5240	5.10	5.62	90.75	0.42	0.20
11AC40SISO	Ant1	5190	4.91	5.43	90.42	0.44	0.20
		5230	4.90	5.42	90.41	0.44	0.20
11AX20SISO	Ant1	5180	3.88	4.40	88.18	0.55	0.26
		5200	3.88	4.39	88.38	0.54	0.26
		5240	3.88	4.40	88.18	0.55	0.26
11AX40SISO	Ant1	5190	3.88	4.39	88.38	0.54	0.26
		5230	3.88	4.40	88.18	0.55	0.26

Test Graphs

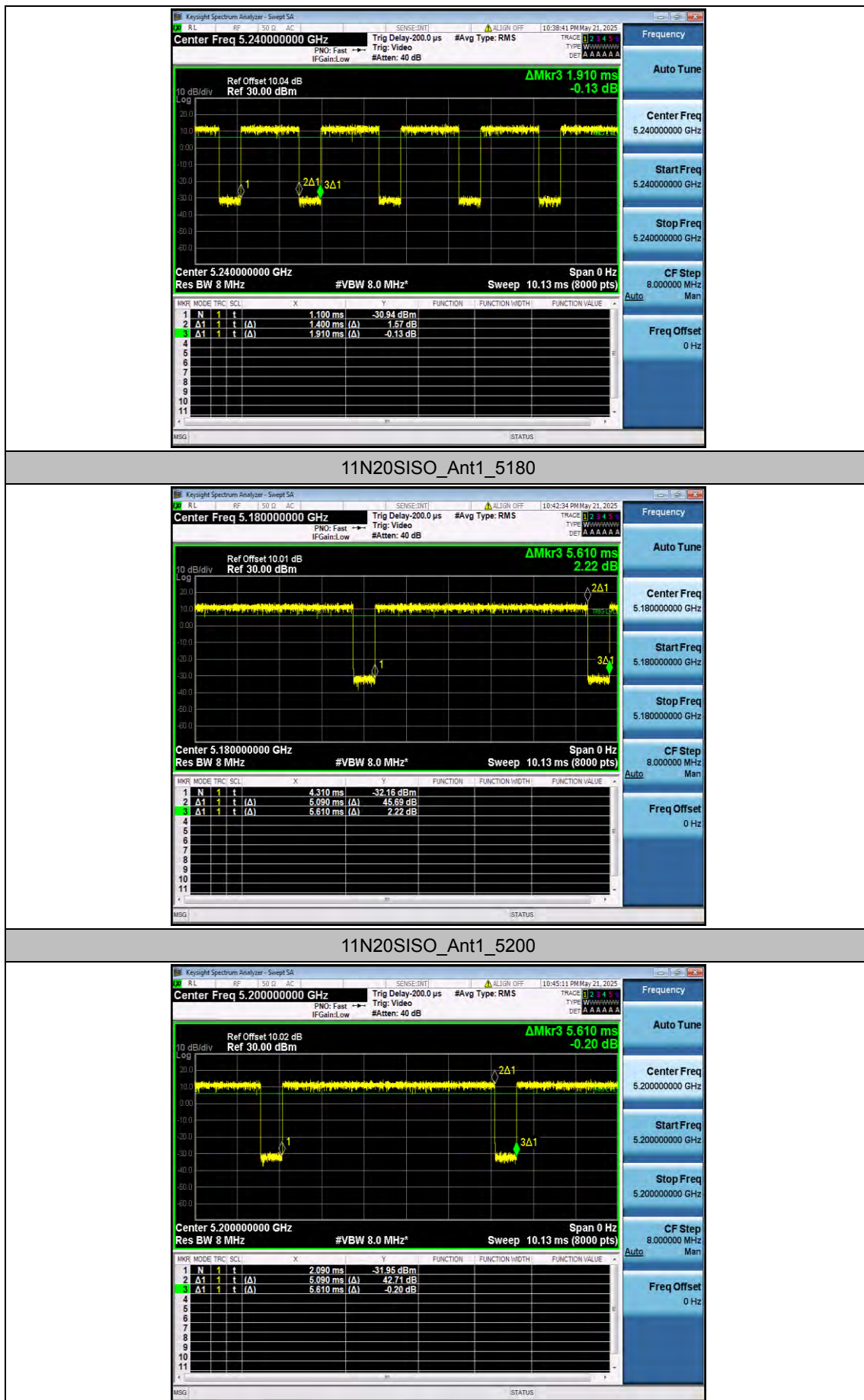
11A_Ant1_5180

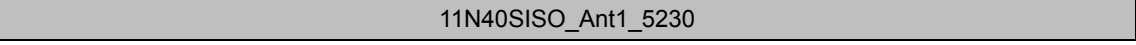
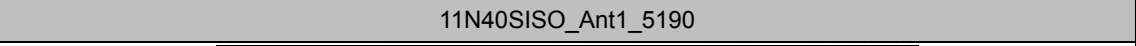


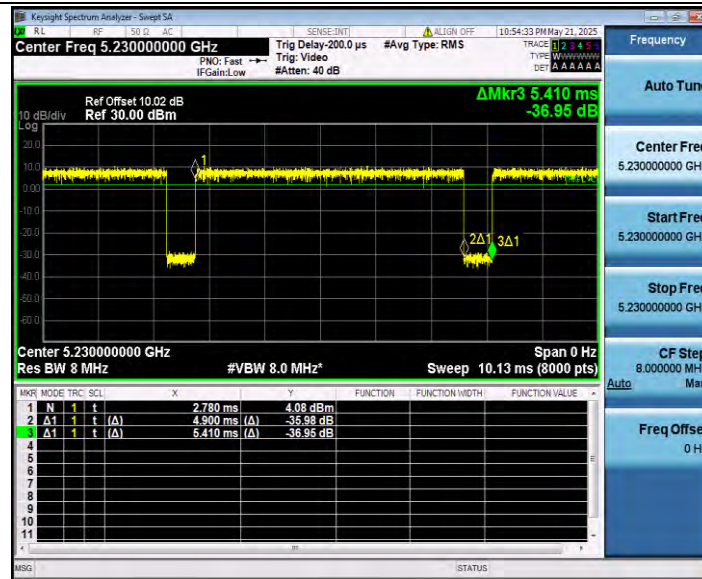
11A_Ant1_5200



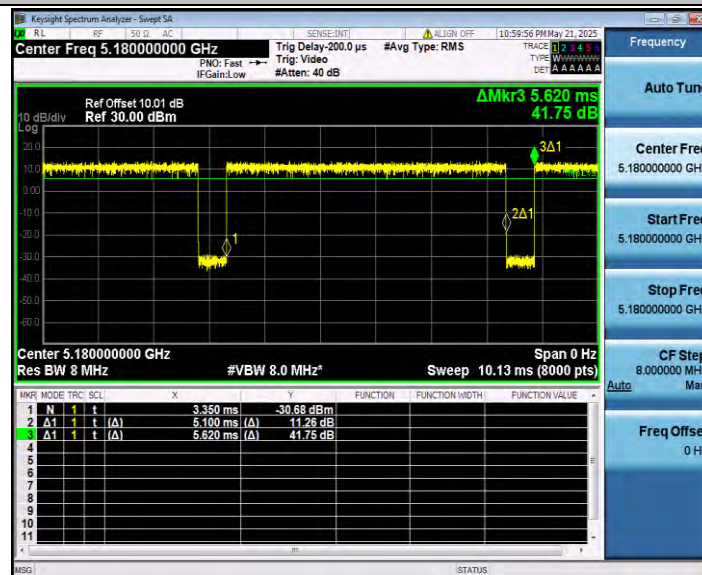
11A_Ant1_5240



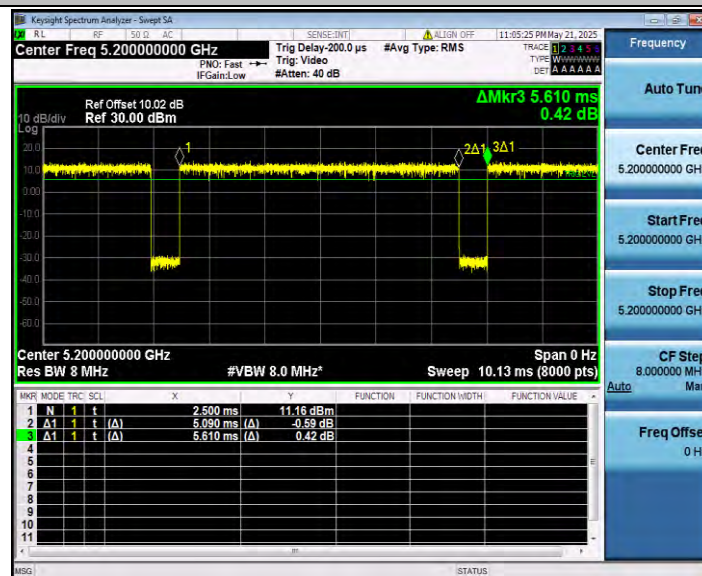




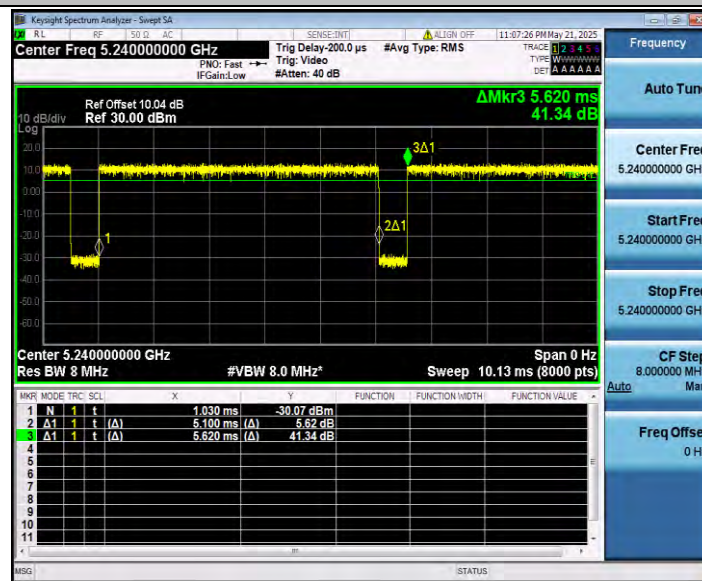
11AC20SISO_Ant1_5180



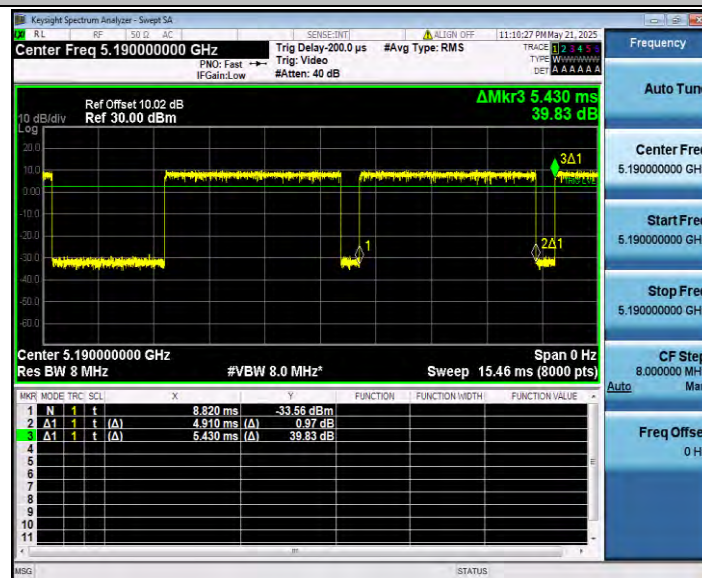
11AC20SISO_Ant1_5200



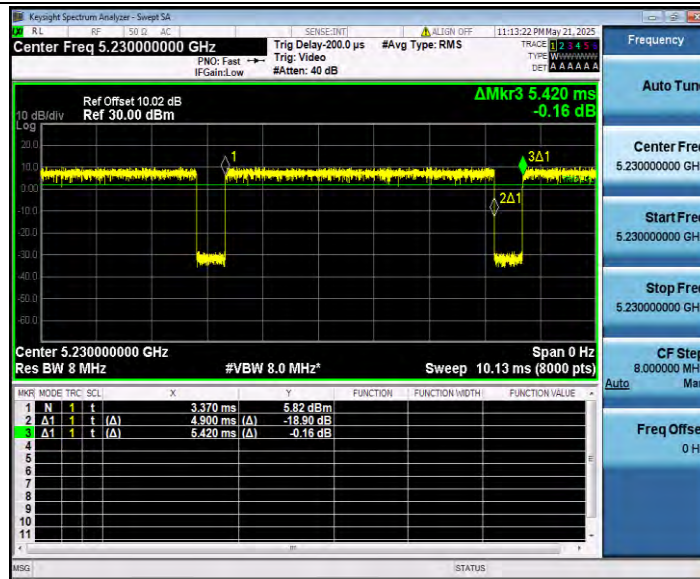
11AC20SISO_Ant1_5240



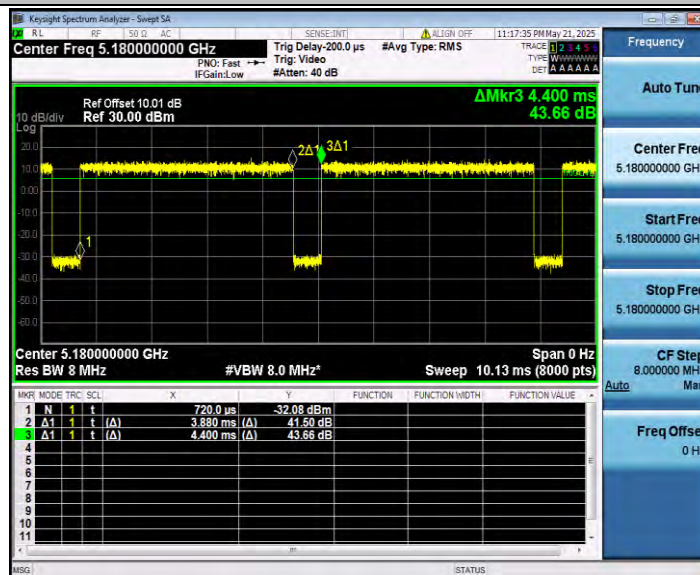
11AC40SISO_Ant1_5190



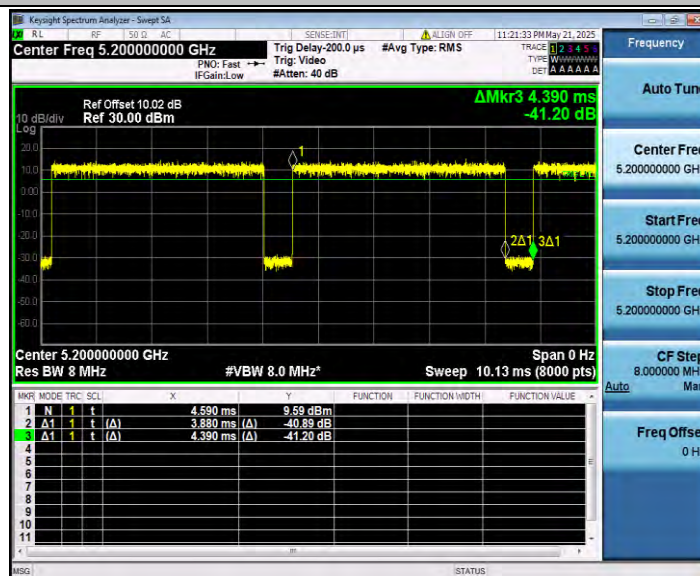
11AC40SISO_Ant1_5230



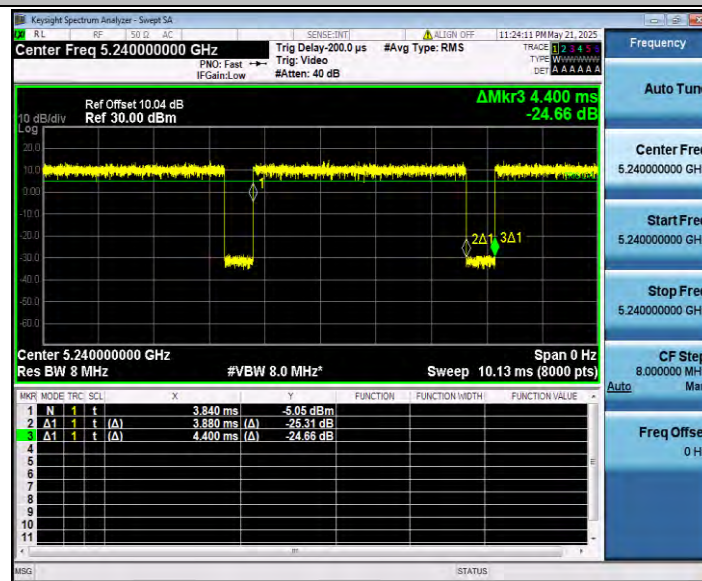
11AX20SISO_Ant1_5180



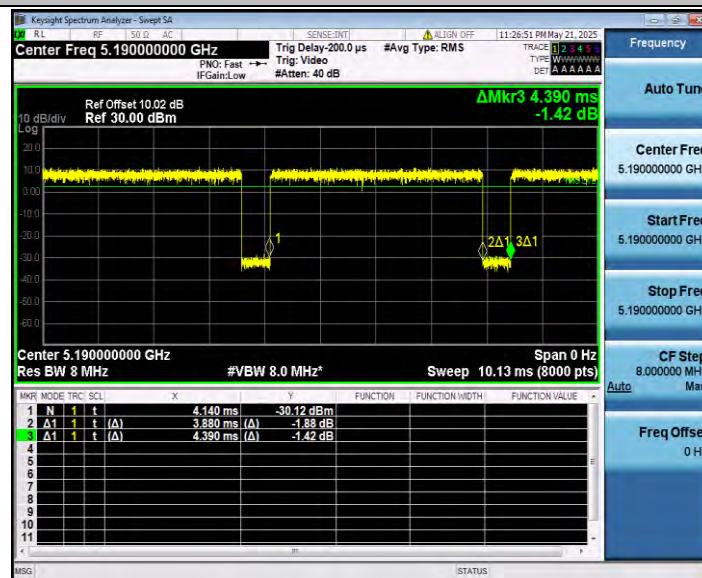
11AX20SISO_Ant1_5200



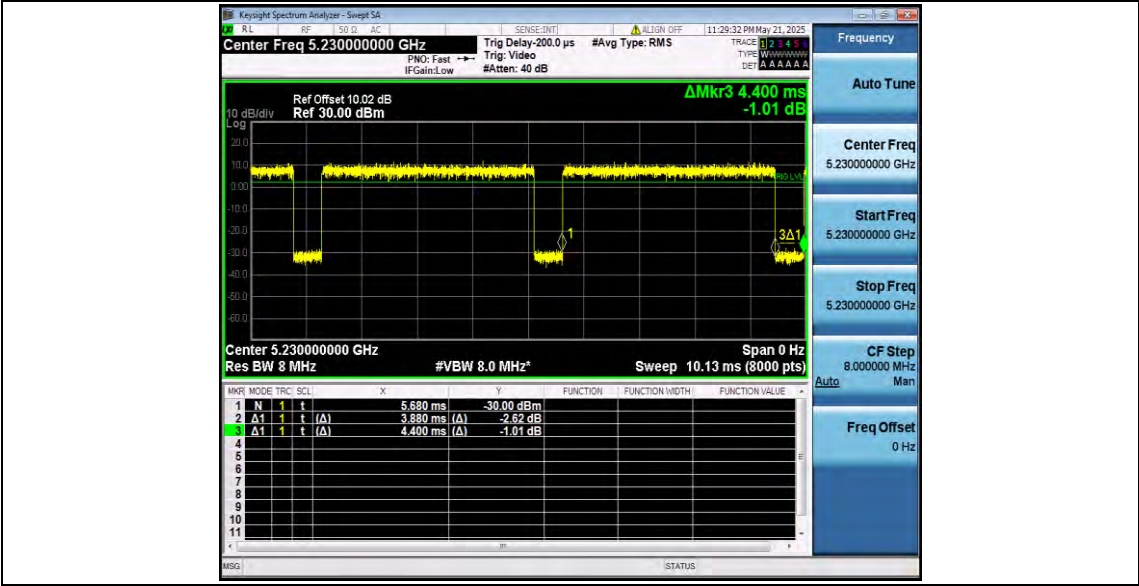
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_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	13.21	35.35	4.52	17.73	≤23.98	PASS
		5200	12.90	72.40	1.40	14.30	≤23.98	PASS
		5240	13.11	73.30	1.35	14.46	≤23.98	PASS
11N20SISO	Ant1	5180	14.34	90.73	0.42	14.76	≤23.98	PASS
		5200	14.32	90.73	0.42	14.74	≤23.98	PASS
		5240	13.51	90.73	0.42	13.93	≤23.98	PASS
11N40SISO	Ant1	5190	13.88	90.57	0.43	14.31	≤23.98	PASS
		5230	12.85	90.57	0.43	13.28	≤23.98	PASS
11AC20SISO	Ant1	5180	14.01	90.75	0.42	14.43	≤23.98	PASS
		5200	14.05	90.73	0.42	14.47	≤23.98	PASS
		5240	13.38	90.75	0.42	13.80	≤23.98	PASS
11AC40SISO	Ant1	5190	13.90	90.42	0.44	14.34	≤23.98	PASS
		5230	13.40	90.41	0.44	13.84	≤23.98	PASS
11AX20SISO	Ant1	5180	14.03	88.18	0.55	14.58	≤23.98	PASS
		5200	14.09	88.38	0.54	14.63	≤23.98	PASS
		5240	13.20	88.18	0.55	13.75	≤23.98	PASS
11AX40SISO	Ant1	5190	13.87	88.38	0.54	14.41	≤23.98	PASS
		5230	13.25	88.18	0.55	13.80	≤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	7.94	≤11.00	PASS
		5200	4.86	≤11.00	PASS
		5240	4.47	≤11.00	PASS
11N20SISO	Ant1	5180	3.40	≤11.00	PASS
		5200	3.51	≤11.00	PASS
		5240	2.68	≤11.00	PASS
11N40SISO	Ant1	5190	0.57	≤11.00	PASS
		5230	-0.14	≤11.00	PASS
11AC20SISO	Ant1	5180	3.12	≤11.00	PASS
		5200	3.41	≤11.00	PASS
		5240	2.73	≤11.00	PASS
11AC40SISO	Ant1	5190	0.33	≤11.00	PASS
		5230	-0.11	≤11.00	PASS
11AX20SISO	Ant1	5180	3.14	≤11.00	PASS
		5200	3.13	≤11.00	PASS
		5240	2.44	≤11.00	PASS
11AX40SISO	Ant1	5190	0.22	≤11.00	PASS
		5230	-0.33	≤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



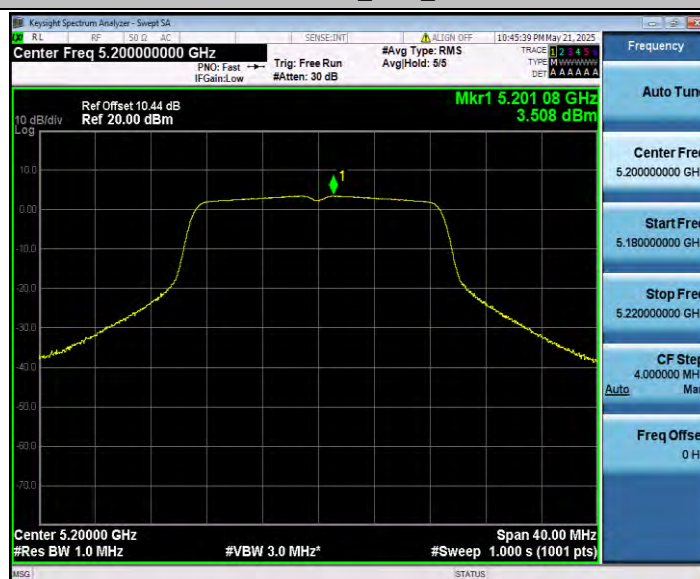
11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



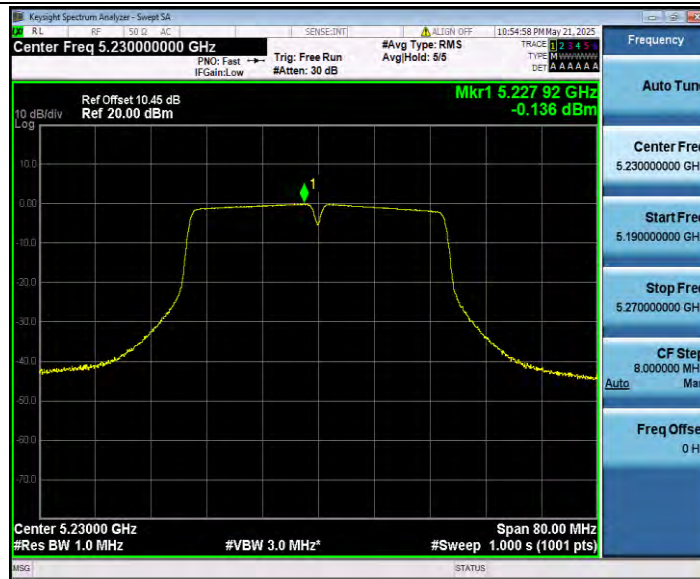
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



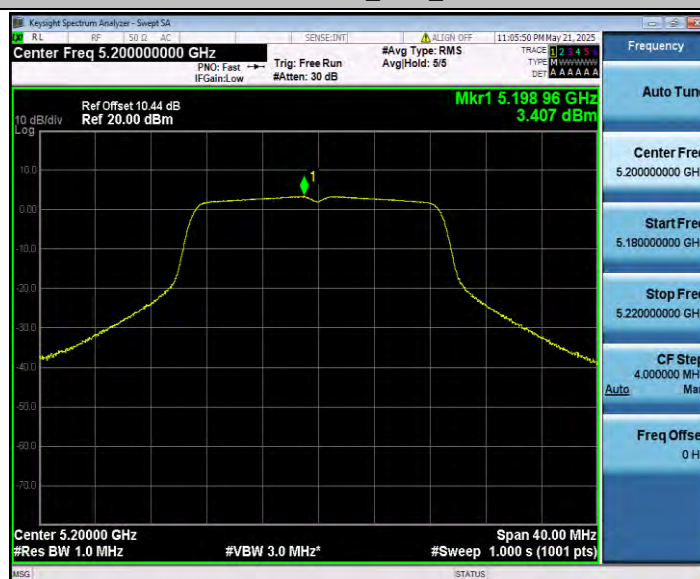
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



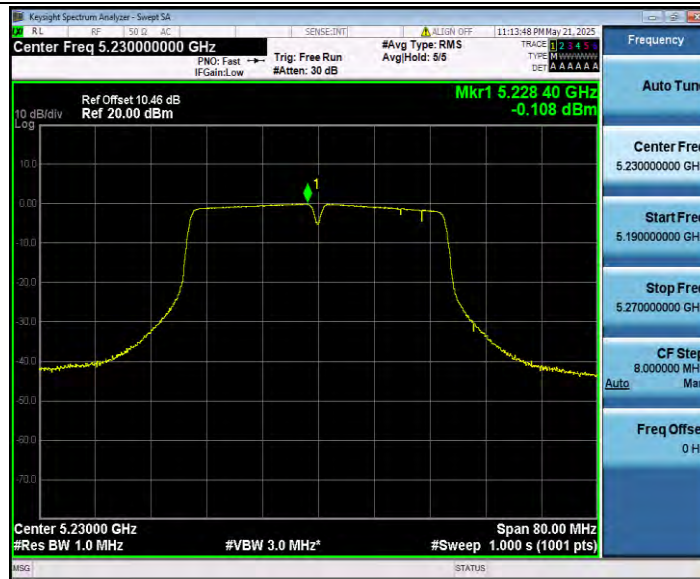
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



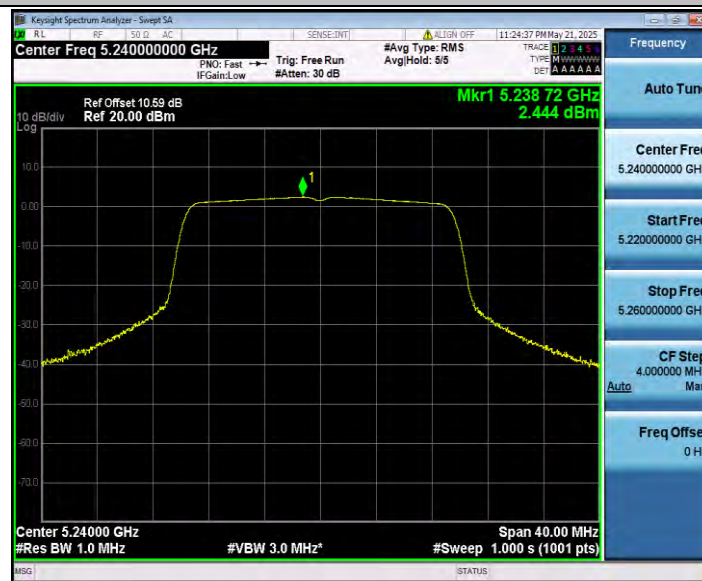
11AX20SISO_Ant1_5180



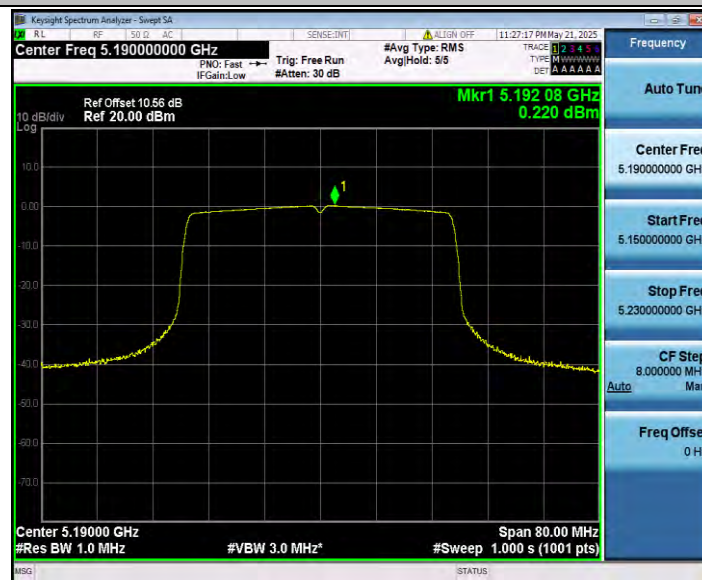
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

