

Case No. : <u>GTS20250825004-3-14</u>
Ambient Condition: <u>24</u> °C, <u>48</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.09.03-2025.09.26</u> Test Engineer: <u>Evan ouyang</u>

AppendixD.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.160	5168.120	5192.280	---	---
		5200	24.600	5187.560	5212.160	---	---
		5240	24.480	5227.560	5252.040	---	---
11N20SISO	Ant1	5180	25.680	5167.440	5193.120	---	---
		5200	25.840	5186.960	5212.800	---	---
		5240	25.480	5227.000	5252.480	---	---
11N40SISO	Ant1	5190	44.800	5167.680	5212.480	---	---
		5230	55.760	5206.560	5262.320	---	---
11AC20SISO	Ant1	5180	25.480	5167.880	5193.360	---	---
		5200	25.720	5187.880	5213.600	---	---
		5240	25.640	5227.480	5253.120	---	---
11AC40SISO	Ant1	5190	45.600	5167.680	5213.280	---	---
		5230	51.280	5207.120	5258.400	---	---
11AC80SISO	Ant1	5210	125.440	5163.600	5289.040	---	---
11AX20SISO	Ant1	5180	25.560	5167.160	5192.720	---	---
		5200	26.160	5186.520	5212.680	---	---
		5240	24.320	5228.040	5252.360	---	---
11AX40SISO	Ant1	5190	44.480	5168.160	5212.640	---	---
		5230	44.640	5207.840	5252.480	---	---
11AX80SISO	Ant1	5210	85.440	5167.600	5253.040	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



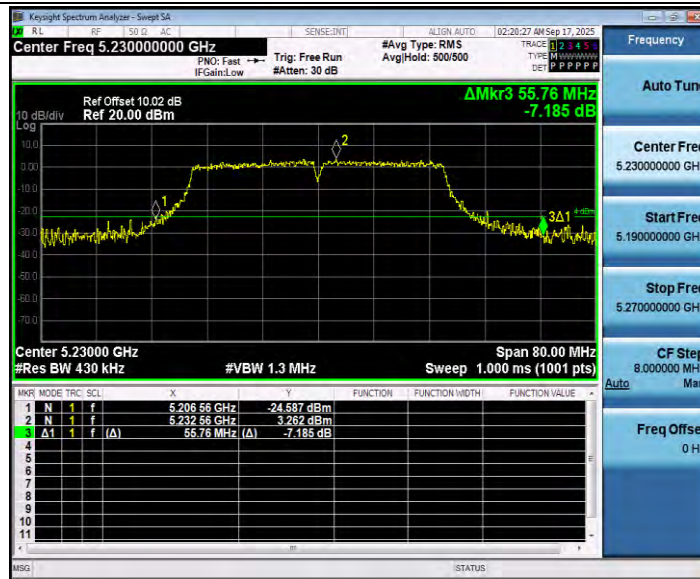
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



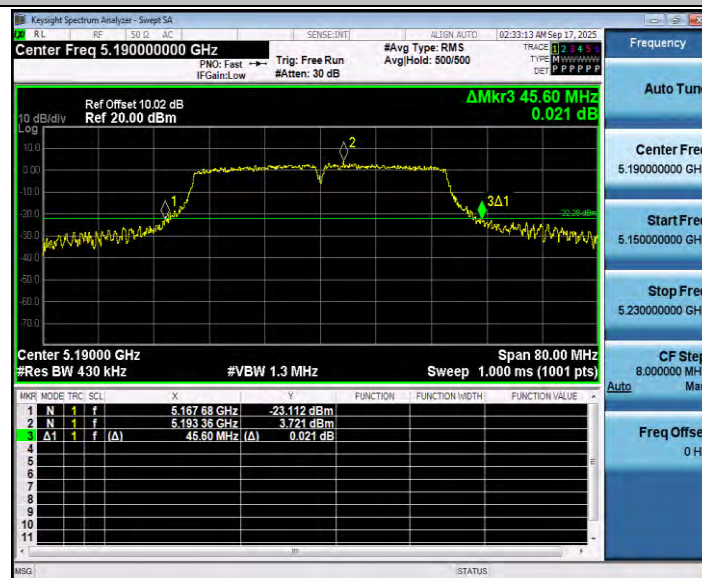
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



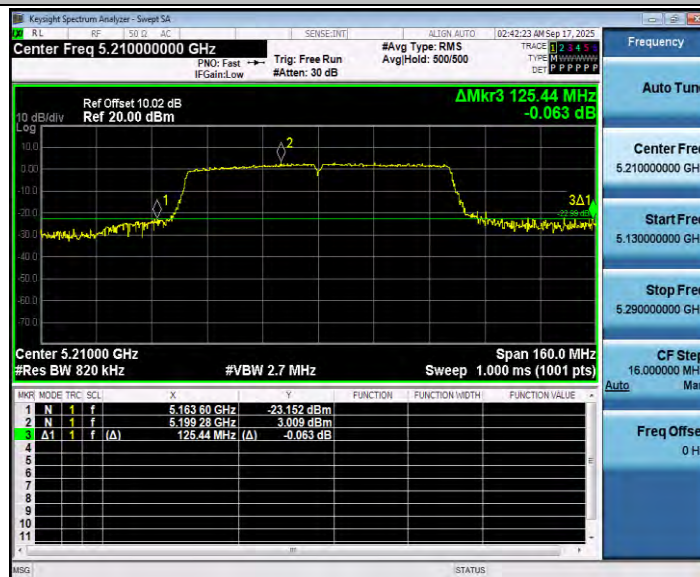
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

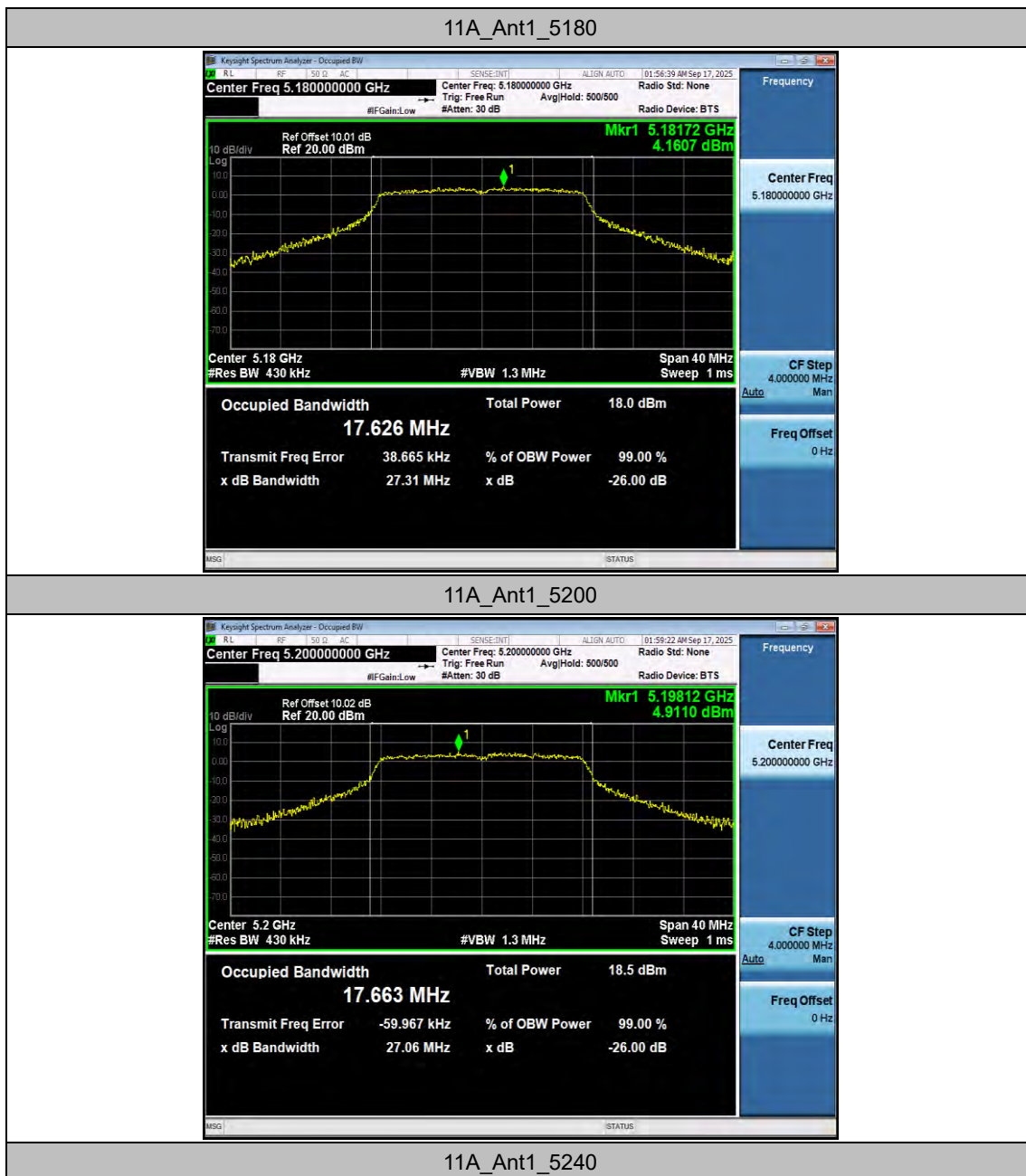


AppendixD.2: Occupied channel bandwidth

Test Result

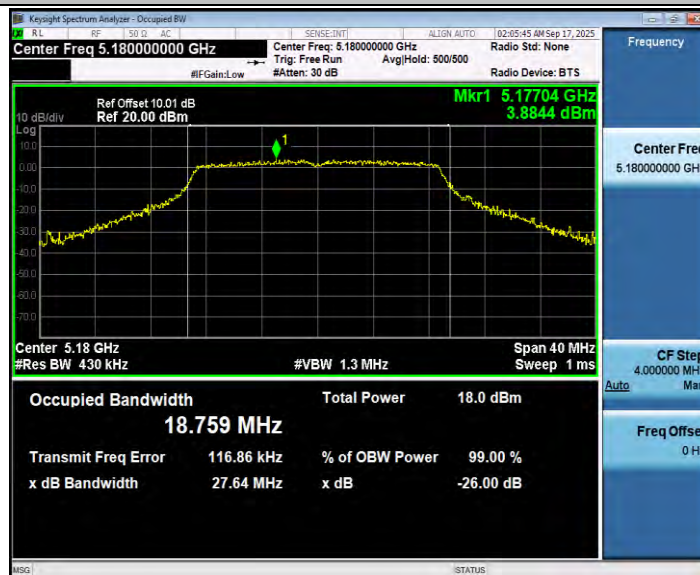
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.626	5171.2257	5188.8517	---	---
		5200	17.663	5191.1085	5208.7715	---	---
		5240	17.772	5231.1154	5248.8874	---	---
11N20SISO	Ant1	5180	18.759	5170.7374	5189.4964	---	---
		5200	18.742	5190.6296	5209.3716	---	---
		5240	18.759	5230.6846	5249.4436	---	---
11N40SISO	Ant1	5190	37.098	5171.5866	5208.6846	---	---
		5230	37.356	5211.4205	5248.7765	---	---
11AC20SISO	Ant1	5180	18.726	5170.7493	5189.4753	---	---
		5200	18.781	5190.6272	5209.4082	---	---
		5240	18.700	5230.7071	5249.4071	---	---
11AC40SISO	Ant1	5190	37.196	5171.5603	5208.7563	---	---
		5230	37.394	5211.4191	5248.8131	---	---
11AC80SISO	Ant1	5210	76.489	5172.1228	5248.6118	---	---
11AX20SISO	Ant1	5180	19.454	5170.3472	5189.8012	---	---
		5200	19.492	5190.2435	5209.7355	---	---
		5240	19.499	5230.3119	5249.8109	---	---
11AX40SISO	Ant1	5190	38.158	5171.0126	5209.1706	---	---
		5230	38.317	5210.9220	5249.2390	---	---
11AX80SISO	Ant1	5210	77.741	5171.5374	5249.2784	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



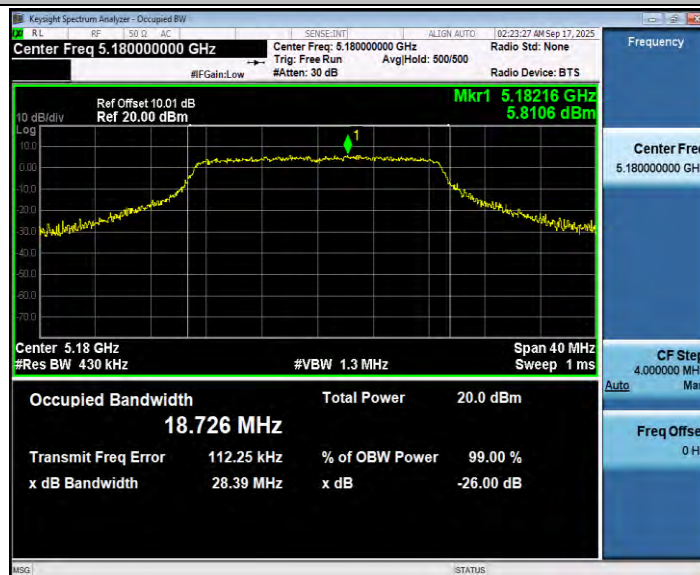
11N40SISO_Ant1_5190



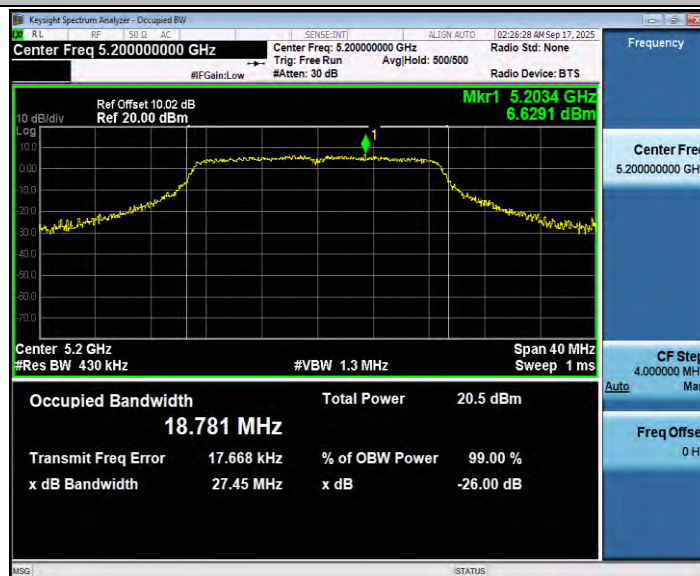
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



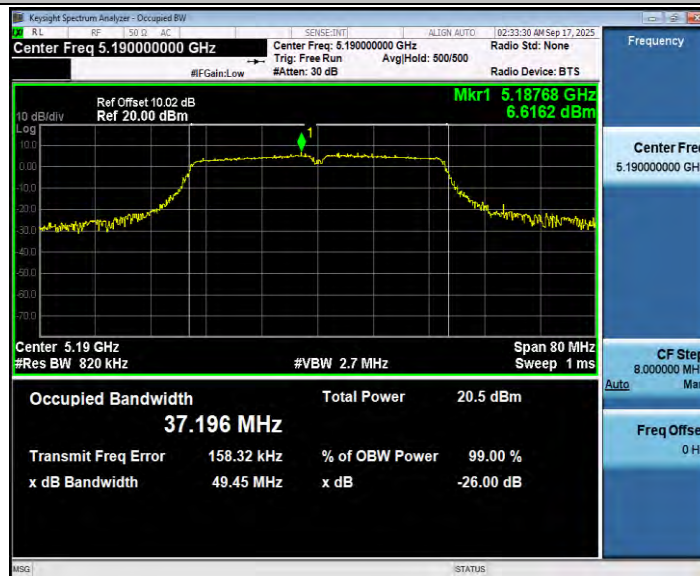
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



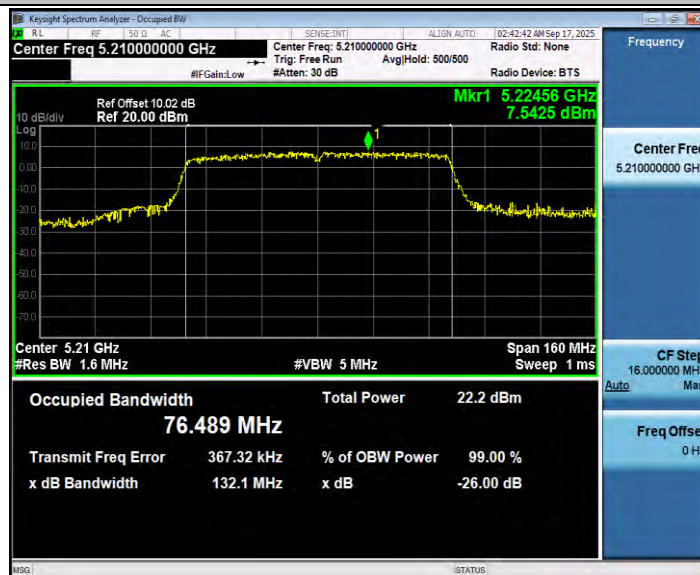
11AC40SISO_Ant1_5190



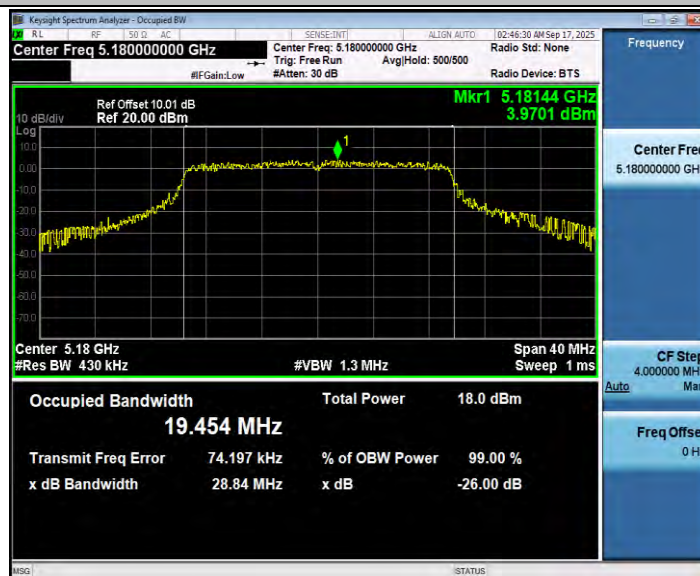
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



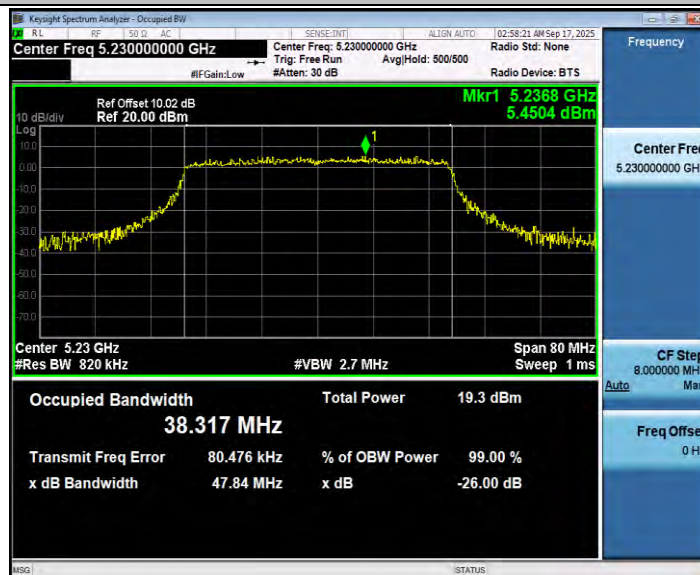
11AX20SISO_Ant1_5240



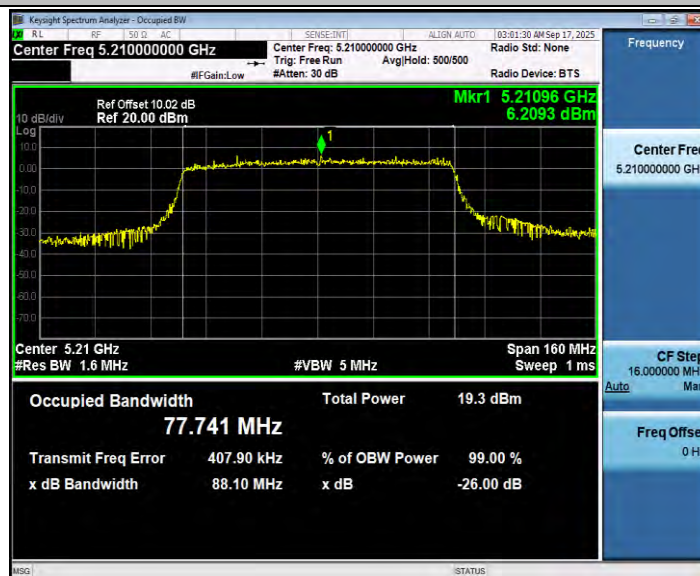
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



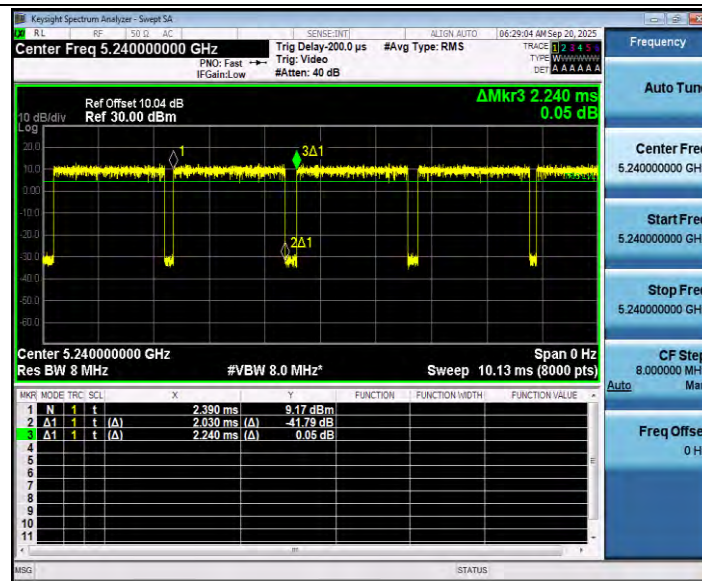
11AX80SISO_Ant1_5210



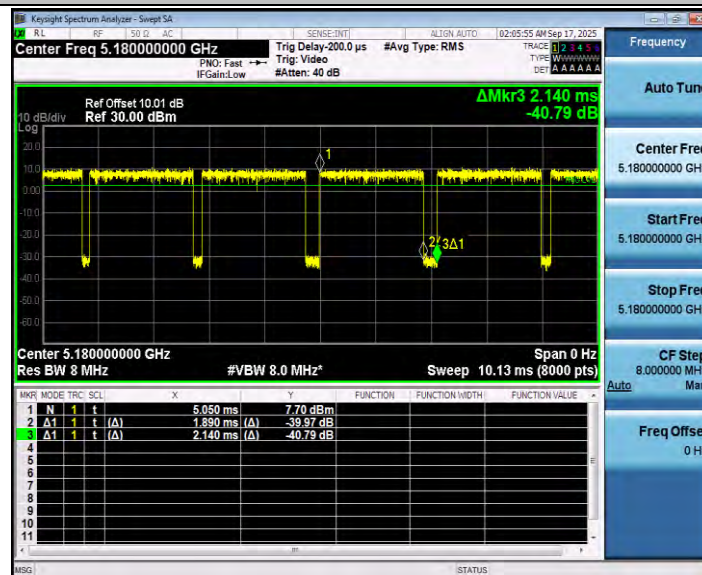
AppendixD.3: Duty Cycle

Test Result

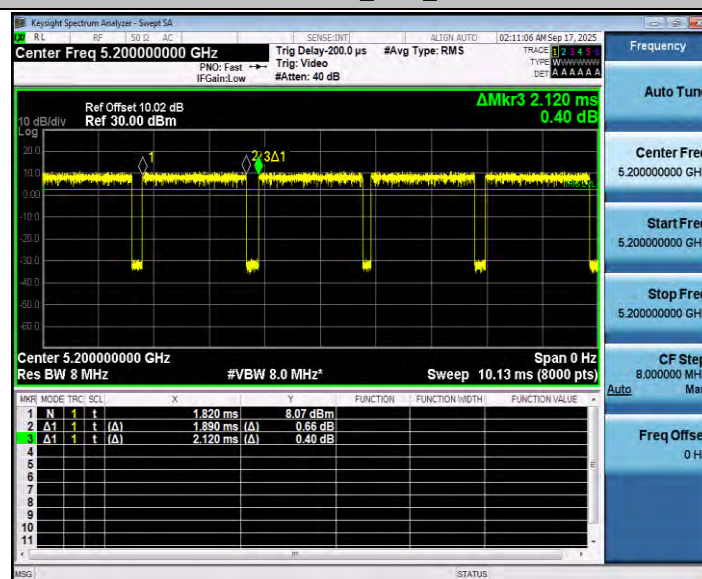
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.35	86.38	0.64	0.49
		5200	2.03	2.26	89.82	0.47	0.49
		5240	2.03	2.20	92.27	0.35	0.49
11N20SISO	Ant1	5180	1.89	2.14	88.32	0.54	0.53
		5200	1.89	2.12	89.15	0.50	0.53
		5240	1.89	2.35	80.43	0.95	0.53
11N40SISO	Ant1	5190	1.86	3.70	50.27	2.99	0.54
		5230	0.93	1.19	78.15	1.07	1.08
11AC20SISO	Ant1	5180	1.90	2.11	90.05	0.46	0.53
		5200	1.90	2.20	86.36	0.64	0.53
		5240	1.90	2.06	92.23	0.35	0.53
11AC40SISO	Ant1	5190	0.93	1.21	76.86	1.14	1.08
		5230	0.93	1.17	79.49	1.00	1.08
11AC80SISO	Ant1	5210	0.46	0.79	58.23	2.35	2.17
11AX20SISO	Ant1	5180	1.46	1.73	84.39	0.74	0.68
		5200	1.46	1.65	88.48	0.53	0.68
		5240	1.47	1.75	84.00	0.76	0.68
11AX40SISO	Ant1	5190	0.76	1.12	67.86	1.68	1.32
		5230	0.76	1.05	72.38	1.40	1.32
11AX80SISO	Ant1	5210	0.39	0.88	44.32	3.53	2.56



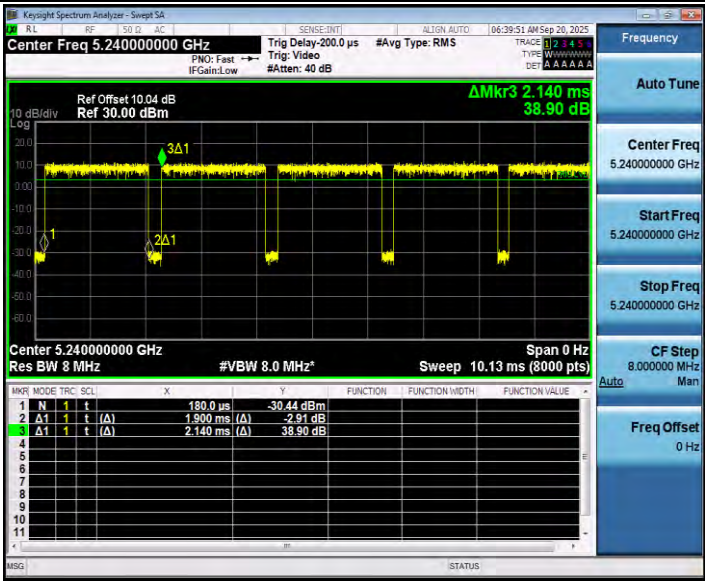
11N20SISO_Ant1_5180



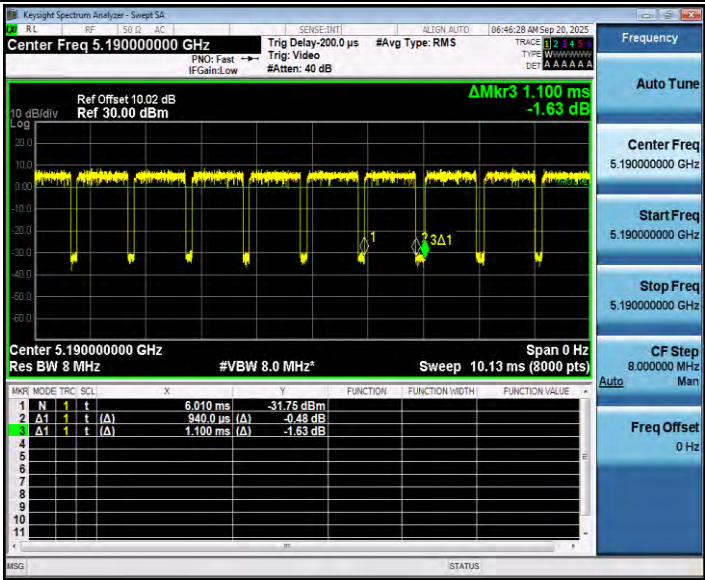
11N20SISO_Ant1_5200



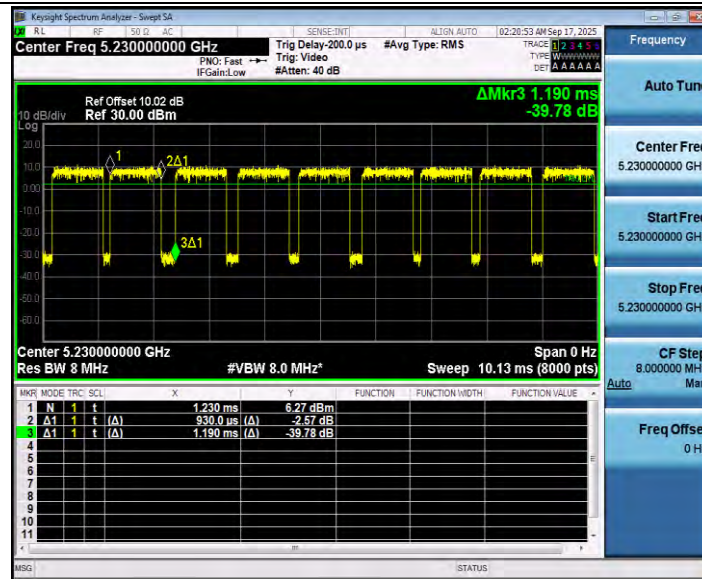
11N20SISO_Ant1_5240



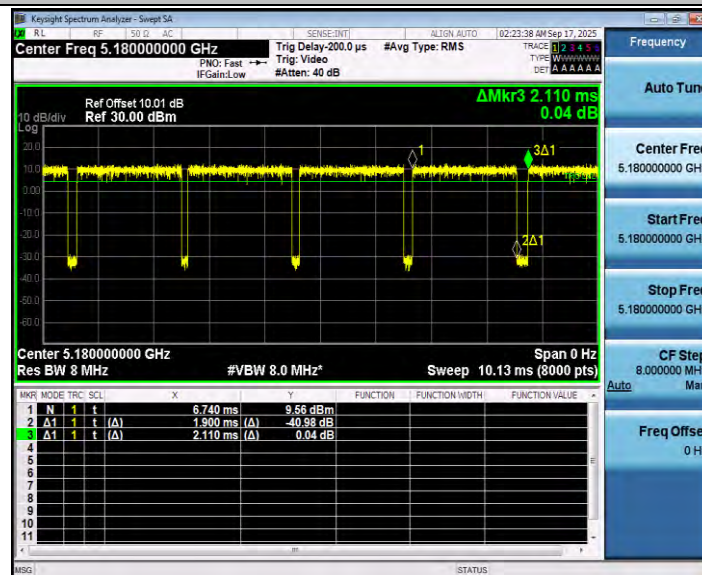
11N40SISO_Ant1_5190



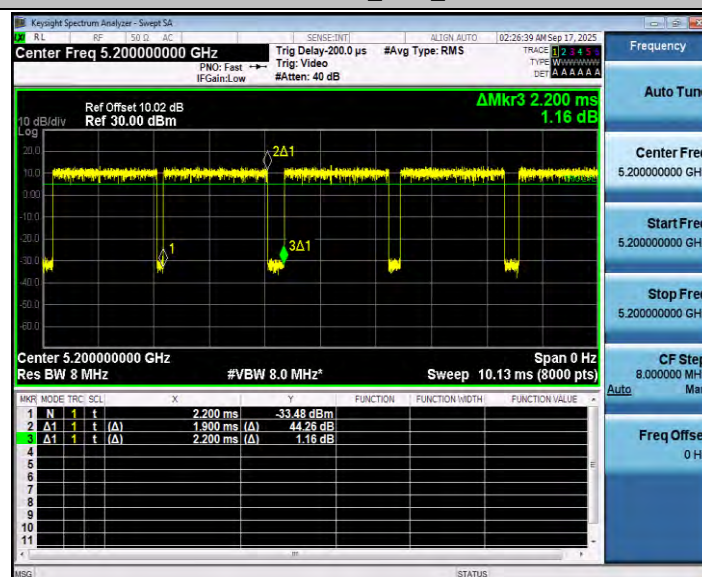
11N40SISO_Ant1_5230

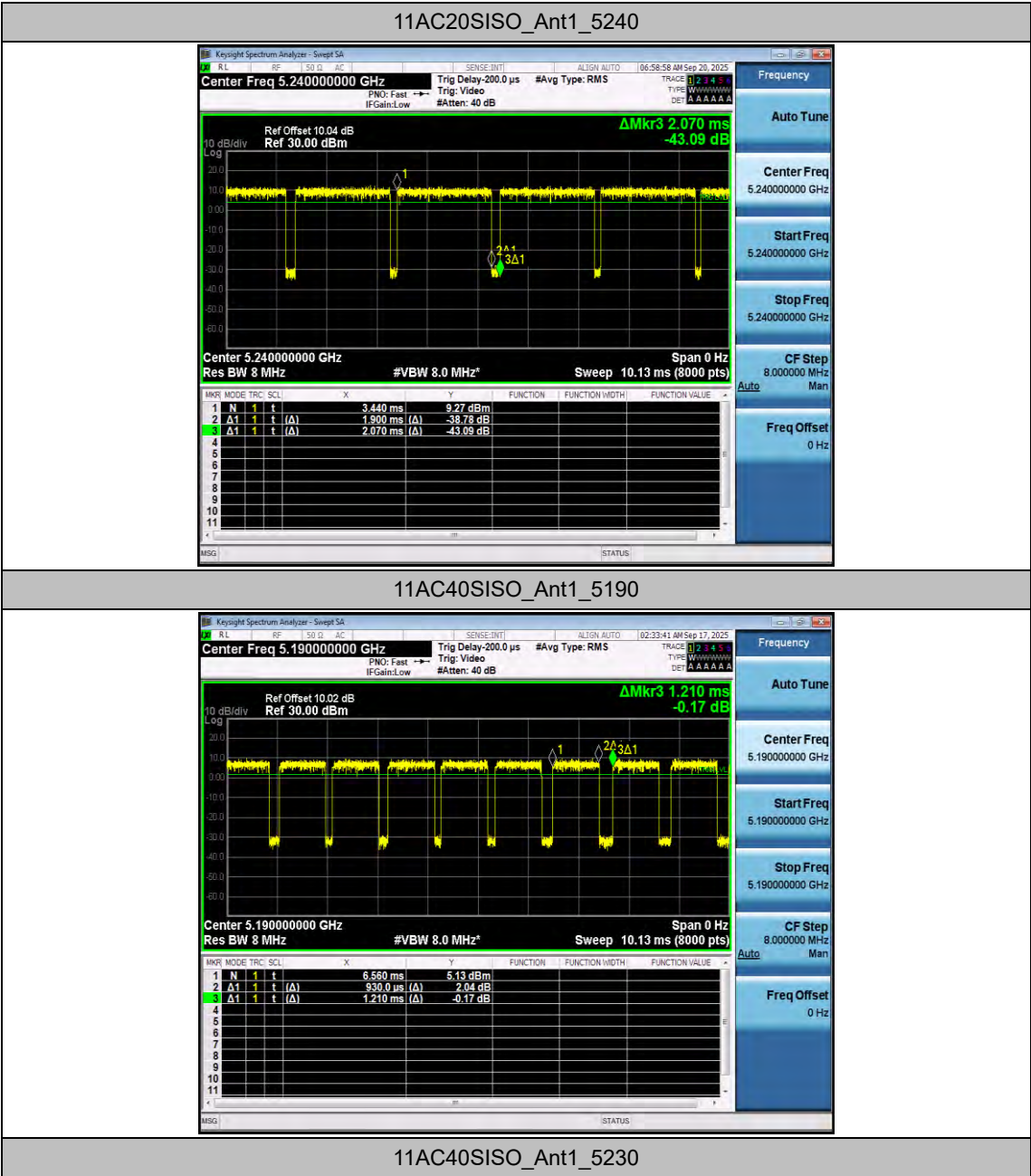


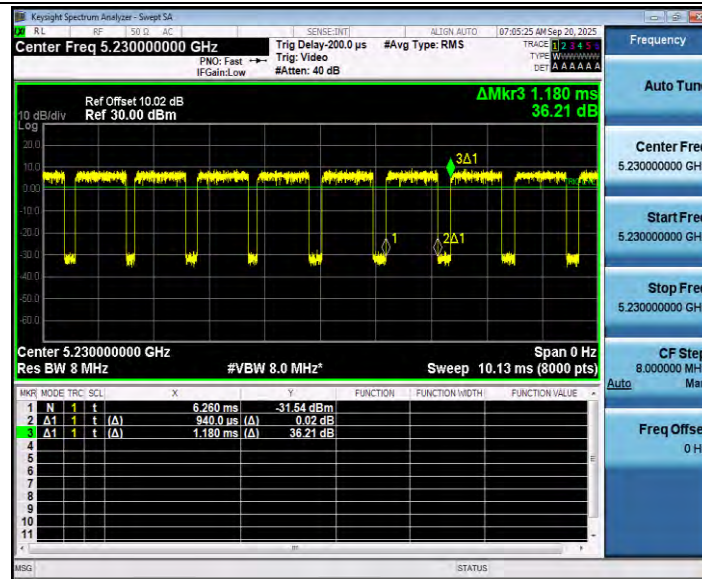
11AC20SISO_Ant1_5180



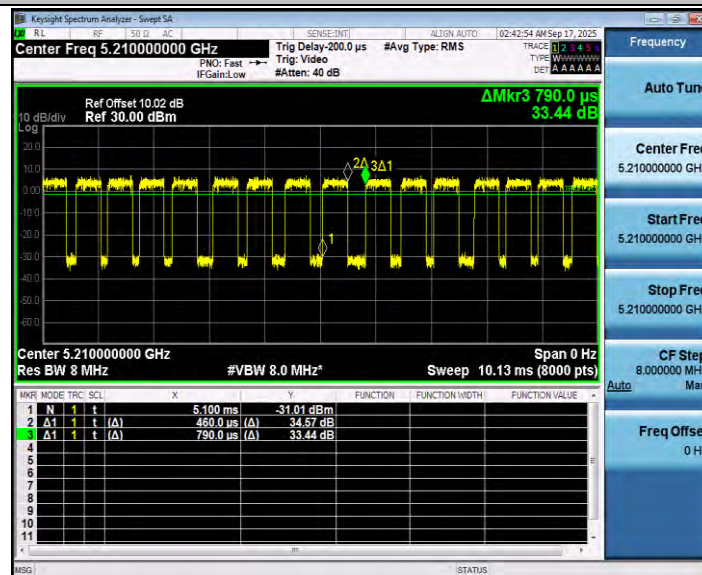
11AC20SISO_Ant1_5200



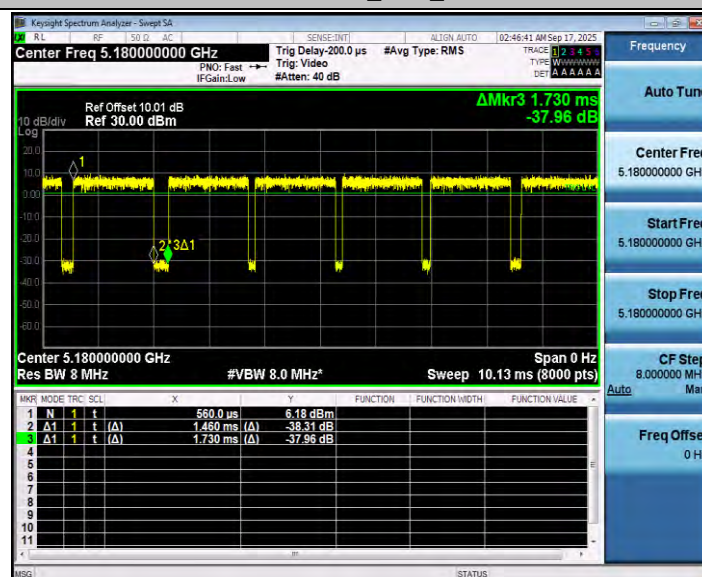




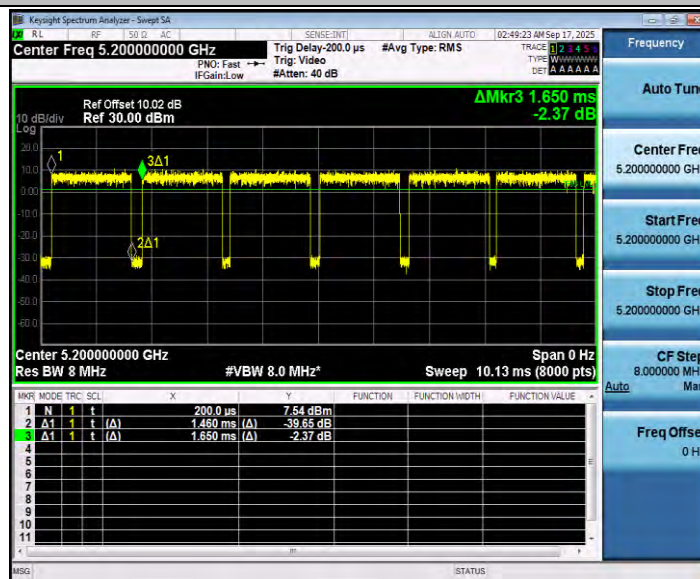
11AC80SISO_Ant1_5210



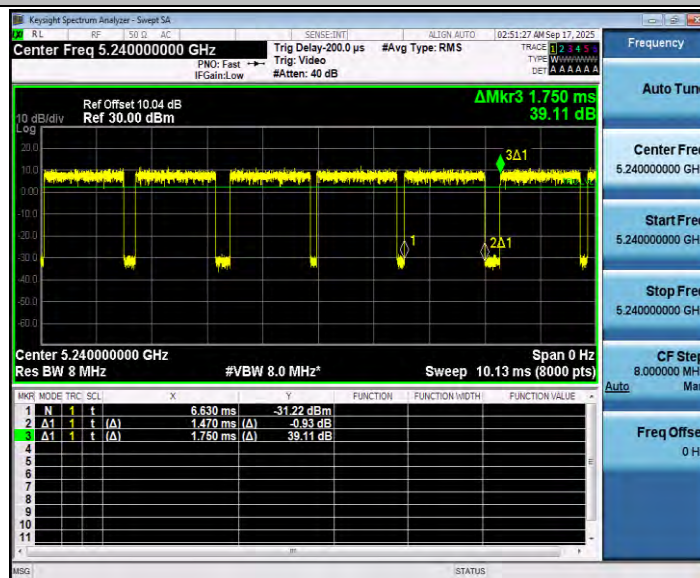
11AX20SISO_Ant1_5180



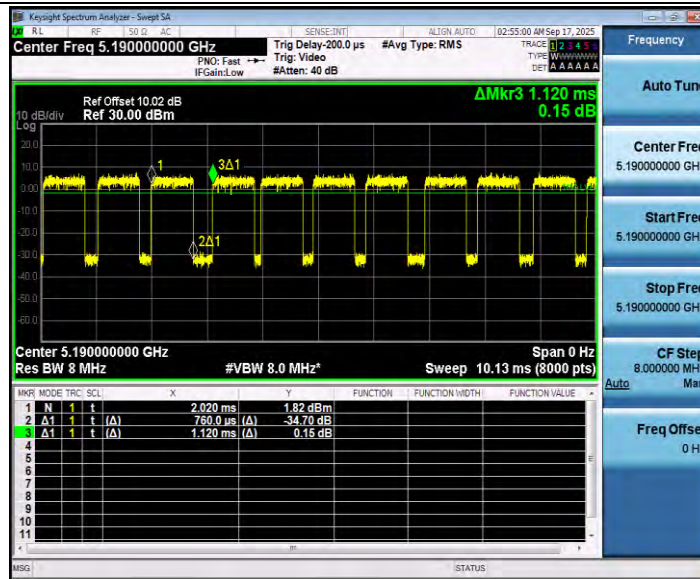
11AX20SISO_Ant1_5200



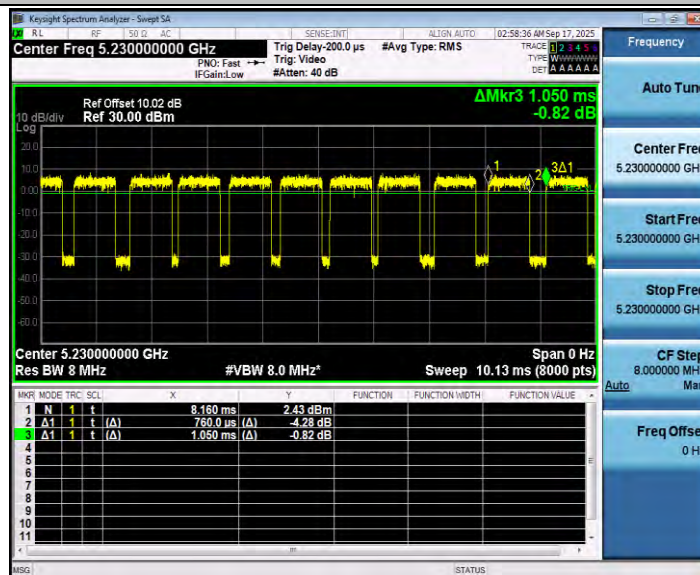
11AX20SISO_Ant1_5240



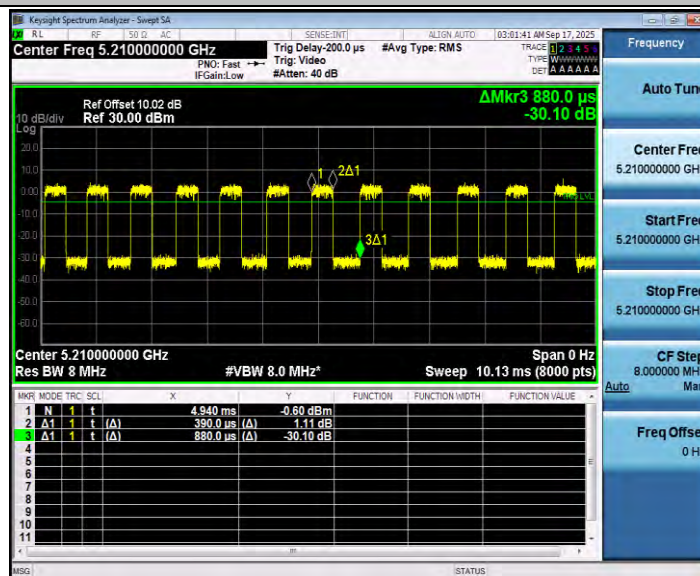
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210



AppendixD.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	10.72	86.38	0.64	11.36	≤23.98	PASS
		5200	10.85	89.82	0.47	11.32	≤23.98	PASS
		5240	11.62	92.27	0.35	11.97	≤23.98	PASS
11N20SISO	Ant1	5180	10.60	88.32	0.54	11.14	≤23.98	PASS
		5200	10.79	89.15	0.50	11.29	≤23.98	PASS
		5240	11.78	80.43	0.95	12.73	≤23.98	PASS
11N40SISO	Ant1	5190	9.97	50.27	2.99	12.96	≤23.98	PASS
		5230	12.25	78.15	1.07	13.32	≤23.98	PASS
11AC20SISO	Ant1	5180	12.24	90.05	0.46	12.70	≤23.98	PASS
		5200	12.93	86.36	0.64	13.57	≤23.98	PASS
		5240	13.76	92.23	0.35	14.11	≤23.98	PASS
11AC40SISO	Ant1	5190	11.65	76.86	1.14	12.79	≤23.98	PASS
		5230	11.79	79.49	1.00	12.79	≤23.98	PASS
11AC80SISO	Ant1	5210	11.96	58.23	2.35	14.31	≤23.98	PASS
11AX20SISO	Ant1	5180	9.24	84.39	0.74	9.98	≤23.98	PASS
		5200	9.69	88.48	0.53	10.22	≤23.98	PASS
		5240	10.50	84.00	0.76	11.26	≤23.98	PASS
11AX40SISO	Ant1	5190	8.85	67.86	1.68	10.53	≤23.98	PASS
		5230	9.65	72.38	1.40	11.05	≤23.98	PASS
11AX80SISO	Ant1	5210	8.88	44.32	3.53	12.41	≤23.98	PASS

AppendixD.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.32	≤11.00	PASS
		5200	0.69	≤11.00	PASS
		5240	1.49	≤11.00	PASS
11N20SISO	Ant1	5180	0.09	≤11.00	PASS
		5200	0.36	≤11.00	PASS
		5240	1.75	≤11.00	PASS
11N40SISO	Ant1	5190	-0.49	≤11.00	PASS
		5230	0.55	≤11.00	PASS
11AC20SISO	Ant1	5180	1.84	≤11.00	PASS
		5200	2.50	≤11.00	PASS
		5240	3.03	≤11.00	PASS
11AC40SISO	Ant1	5190	-0.34	≤11.00	PASS
		5230	0.19	≤11.00	PASS
11AC80SISO	Ant1	5210	-2.54	≤11.00	PASS
11AX20SISO	Ant1	5180	-1.56	≤11.00	PASS
		5200	-1.13	≤11.00	PASS
		5240	0.05	≤11.00	PASS
11AX40SISO	Ant1	5190	-3.41	≤11.00	PASS
		5230	-3.14	≤11.00	PASS
11AX80SISO	Ant1	5210	-4.86	≤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_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

