

Case No. : <u>GTS20250825004-1-14</u>
Ambient Condition: <u>23</u> °C, <u>45</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

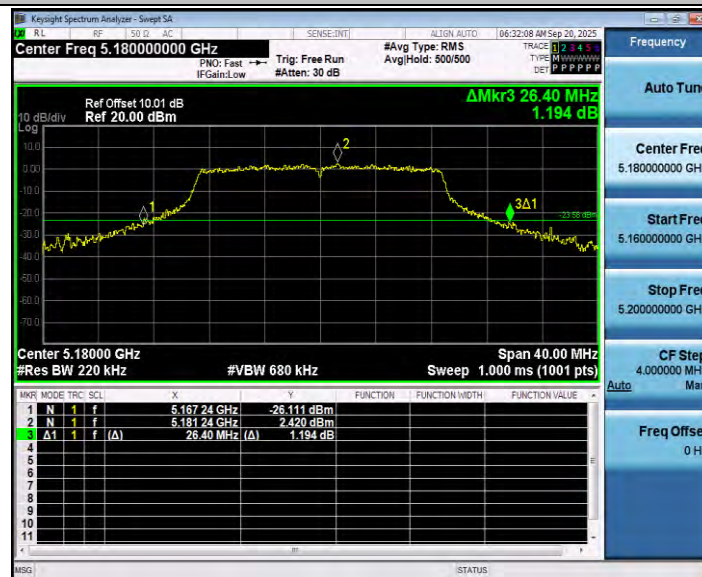
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.400	5168.160	5192.560	---	---
		5200	24.560	5187.560	5212.120	---	---
		5240	24.920	5227.760	5252.680	---	---
11N20SISO	Ant1	5180	26.400	5167.240	5193.640	---	---
		5200	25.640	5187.200	5212.840	---	---
		5240	25.840	5227.400	5253.240	---	---
11N40SISO	Ant1	5190	44.800	5168.000	5212.800	---	---
		5230	45.920	5207.120	5253.040	---	---
11AC20SISO	Ant1	5180	25.240	5167.760	5193.000	---	---
		5200	25.520	5187.360	5212.880	---	---
		5240	25.680	5226.880	5252.560	---	---
11AC40SISO	Ant1	5190	47.760	5166.320	5214.080	---	---
		5230	47.040	5206.480	5253.520	---	---
11AC80SISO	Ant1	5210	87.200	5166.320	5253.520	---	---
11AX20SISO	Ant1	5180	24.320	5168.240	5192.560	---	---
		5200	19.520	5190.200	5209.720	---	---
		5240	24.480	5227.760	5252.240	---	---
11AX40SISO	Ant1	5190	44.800	5167.440	5212.240	---	---
		5230	44.960	5207.840	5252.800	---	---
11AX80SISO	Ant1	5210	85.920	5167.120	5253.040	---	---

Test Graphs





11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



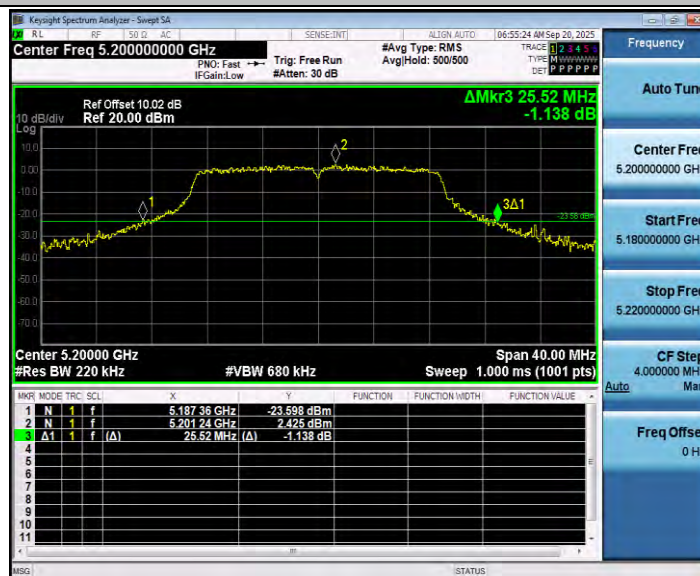
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



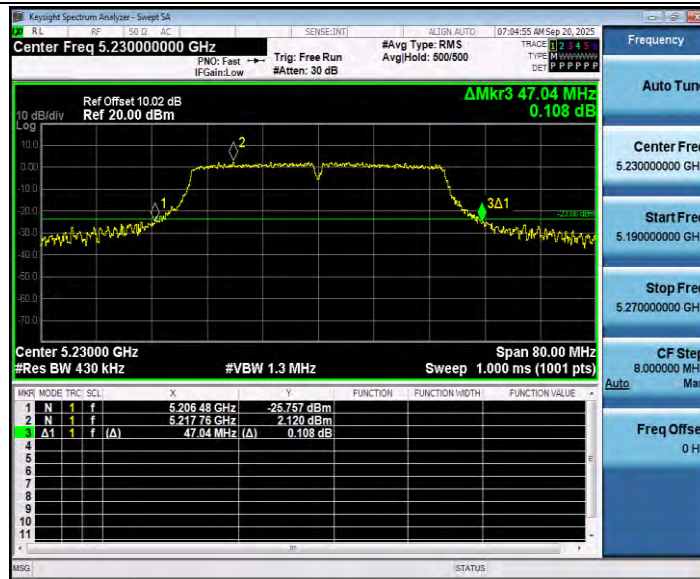
11AC20SISO_Ant1_5240



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



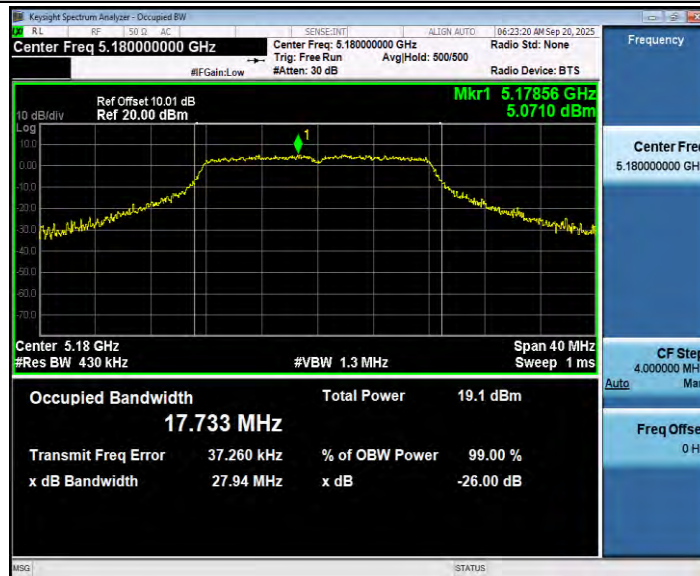
AppendixD.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.733	5171.1708	5188.9038	---	---
		5200	17.655	5191.1204	5208.7754	---	---
		5240	17.797	5231.0166	5248.8136	---	---
11N20SISO	Ant1	5180	18.686	5170.6659	5189.3519	---	---
		5200	18.698	5190.6216	5209.3196	---	---
		5240	18.763	5230.5285	5249.2915	---	---
11N40SISO	Ant1	5190	37.182	5171.4886	5208.6706	---	---
		5230	37.207	5211.3199	5248.5269	---	---
11AC20SISO	Ant1	5180	18.699	5170.6855	5189.3845	---	---
		5200	18.705	5190.6616	5209.3666	---	---
		5240	18.733	5230.6098	5249.3428	---	---
11AC40SISO	Ant1	5190	37.283	5171.4683	5208.7513	---	---
		5230	37.331	5211.2743	5248.6053	---	---
11AC80SISO	Ant1	5210	76.270	5172.0673	5248.3373	---	---
11AX20SISO	Ant1	5180	19.410	5170.3356	5189.7456	---	---
		5200	19.409	5190.2727	5209.6817	---	---
		5240	19.487	5230.2291	5249.7161	---	---
11AX40SISO	Ant1	5190	38.280	5170.8520	5209.1320	---	---
		5230	38.244	5210.8663	5249.1103	---	---
11AX80SISO	Ant1	5210	77.676	5171.3821	5249.0581	---	---

Test Graphs

11A_Ant1_5180



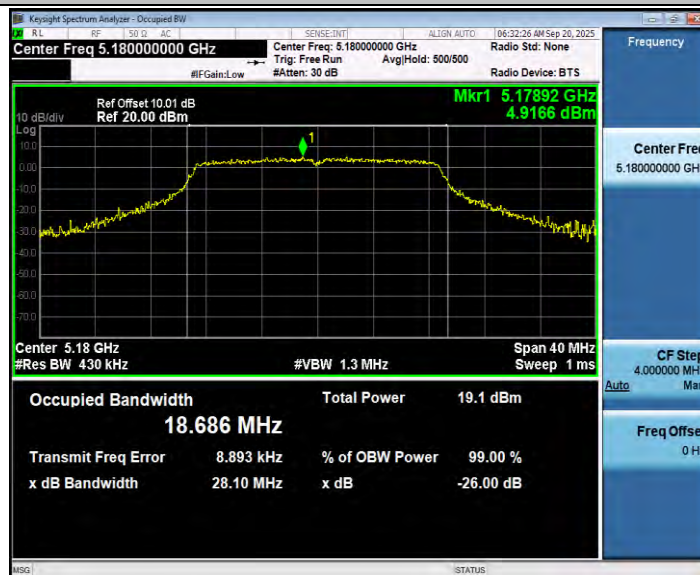
11A_Ant1_5200



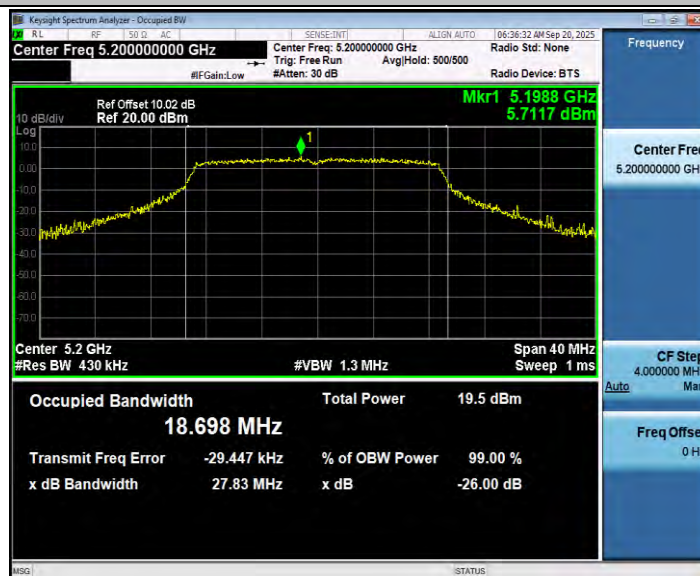
11A_Ant1_5240



11N20SISO_Ant1_5180



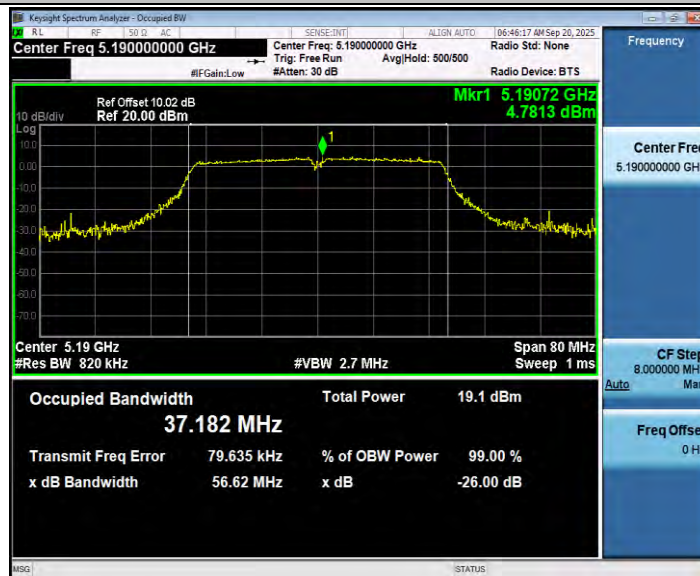
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



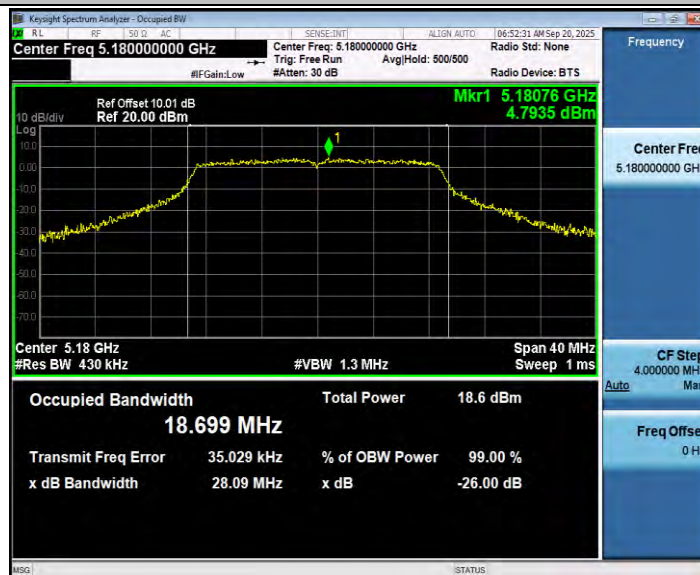
11N40SISO_Ant1_5190



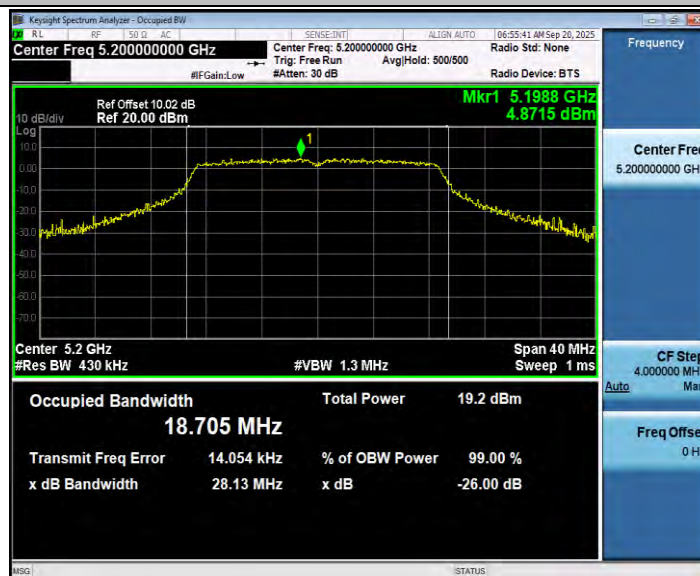
11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



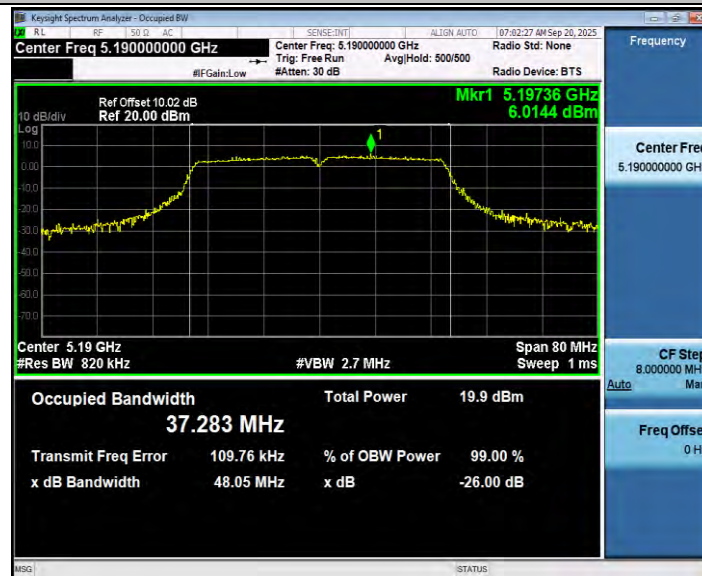
11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



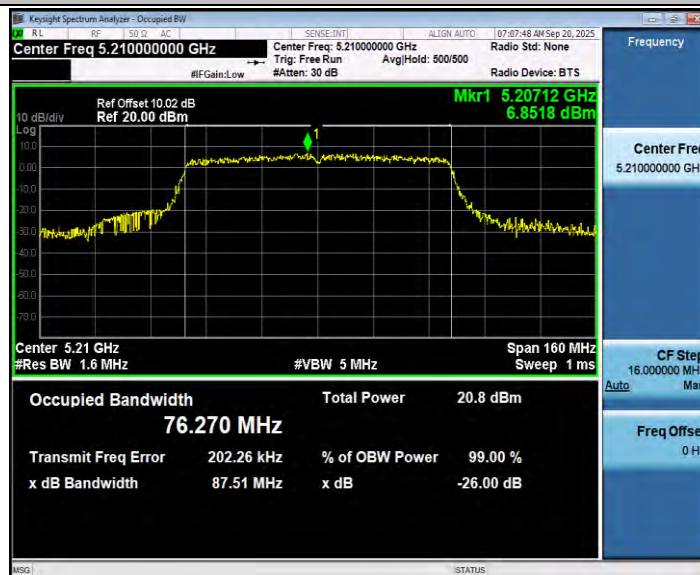
11AC40SISO_Ant1_5190



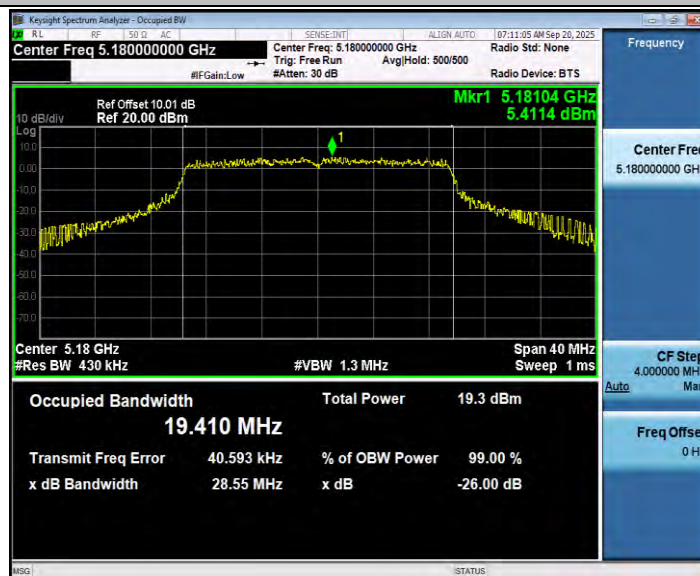
11AC40SISO_Ant1_5230



11AC80SISO_Ant1_5210



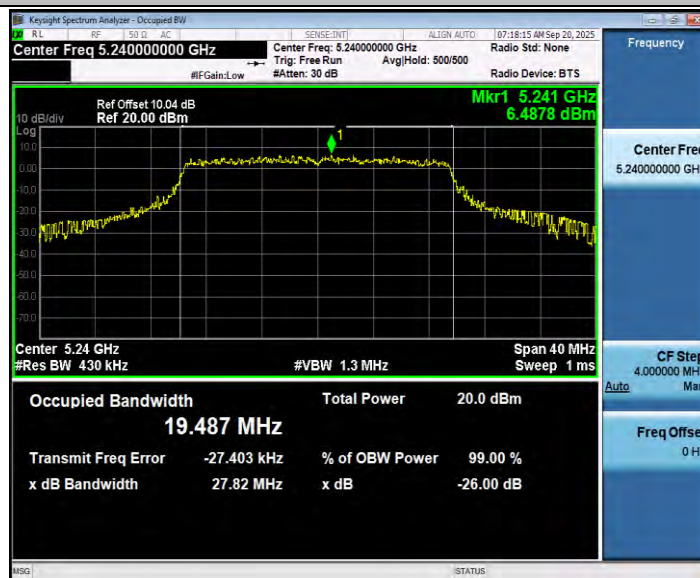
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



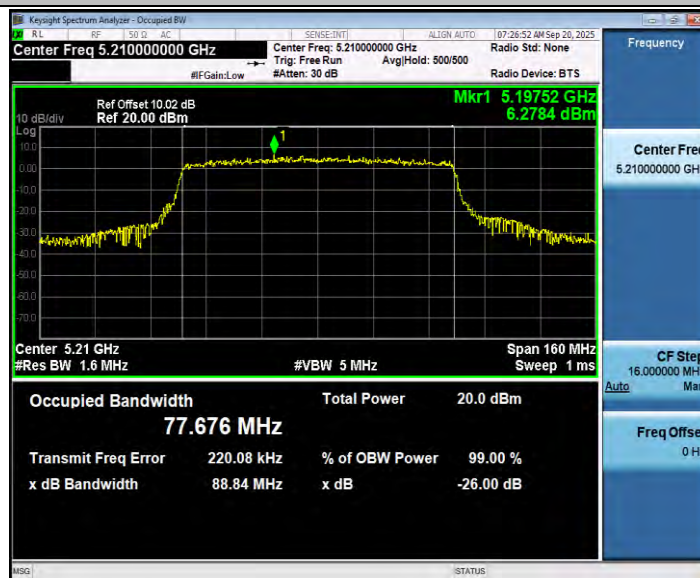
11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

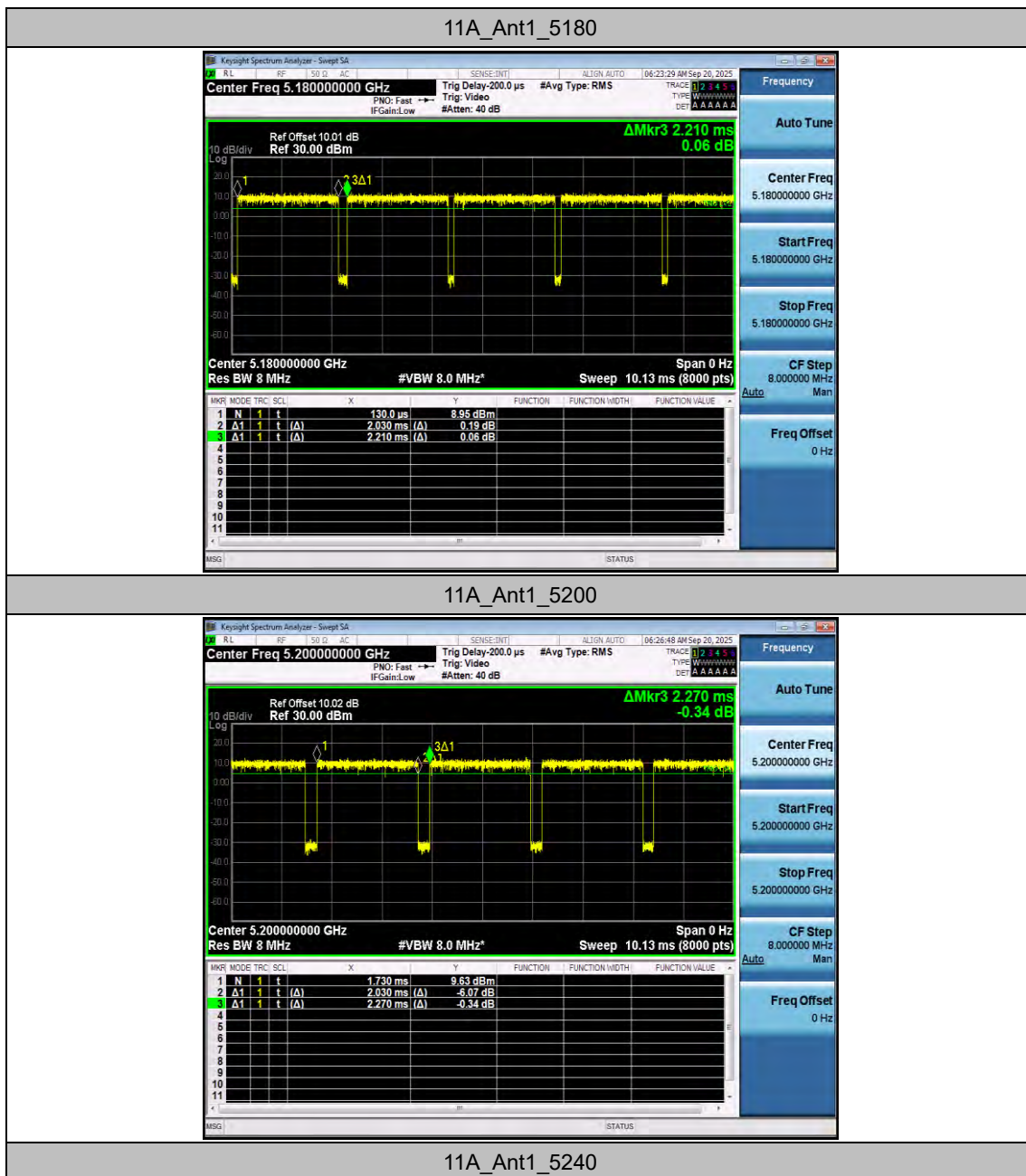


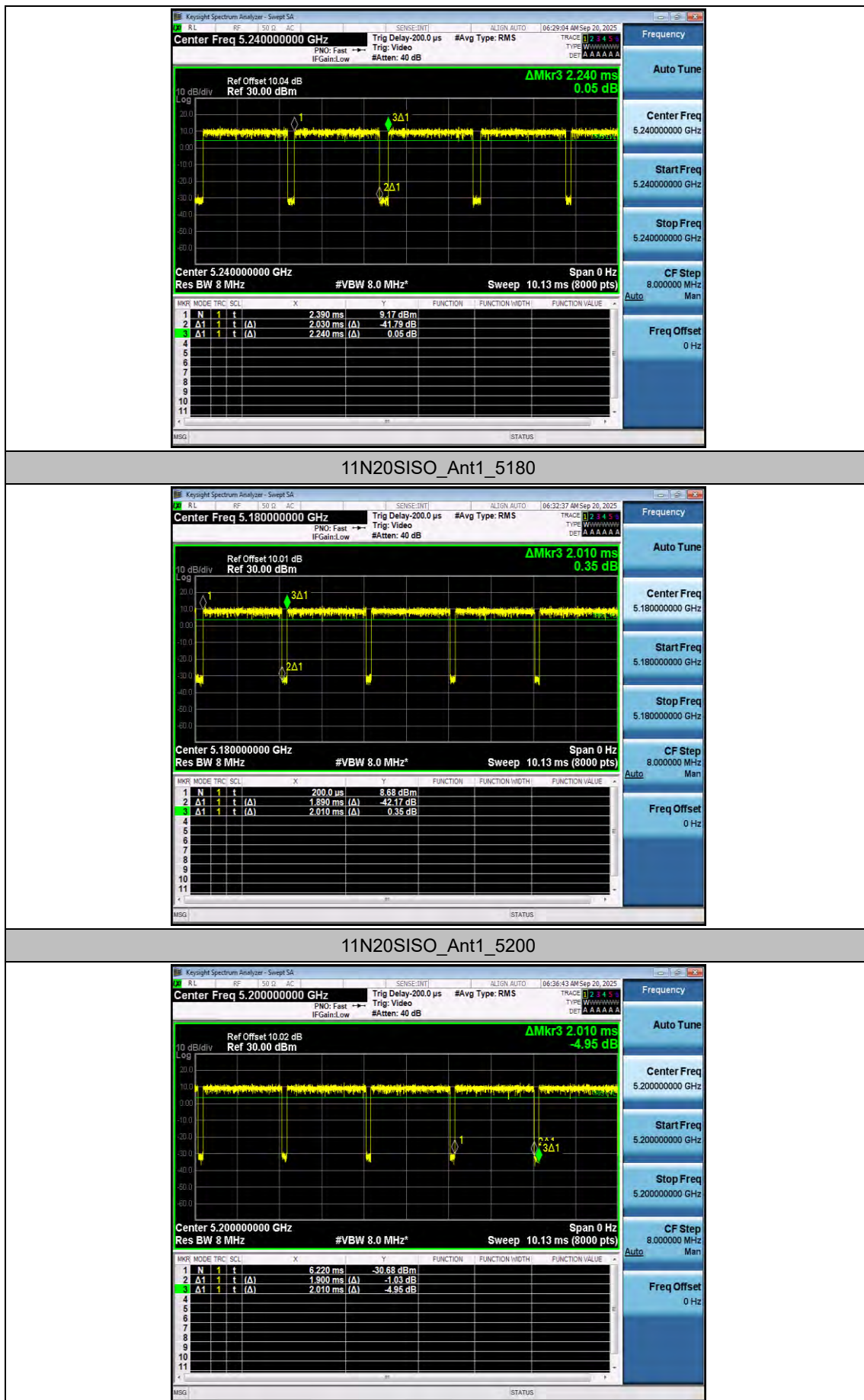
AppendixD.3: Duty Cycle

Test Result

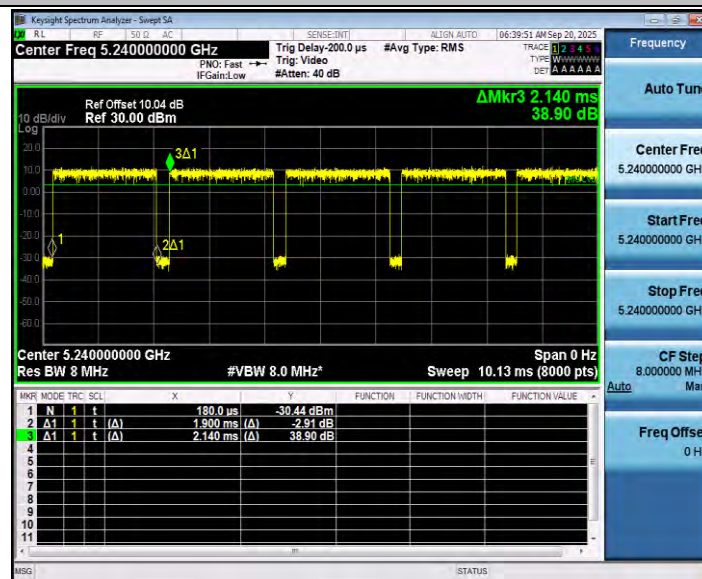
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.03	2.21	91.86	0.37	0.49
		5200	2.03	2.27	89.43	0.49	0.49
		5240	2.03	2.24	90.63	0.43	0.49
11N20SISO	Ant1	5180	1.89	2.01	94.03	0.27	0.53
		5200	1.90	2.01	94.53	0.24	0.53
		5240	1.90	2.14	88.79	0.52	0.53
11N40SISO	Ant1	5190	0.94	1.10	85.45	0.68	1.06
		5230	0.93	1.15	80.87	0.92	1.08
11AC20SISO	Ant1	5180	1.90	2.14	88.79	0.52	0.53
		5200	1.90	2.07	91.79	0.37	0.53
		5240	1.90	2.07	91.79	0.37	0.53
11AC40SISO	Ant1	5190	0.94	1.12	83.93	0.76	1.06
		5230	0.94	1.18	79.66	0.99	1.06
11AC80SISO	Ant1	5210	0.46	0.67	68.66	1.63	2.17
11AX20SISO	Ant1	5180	1.47	1.69	86.98	0.61	0.68
		5200	1.46	1.65	88.48	0.53	0.68
		5240	1.46	1.69	86.39	0.64	0.68
11AX40SISO	Ant1	5190	0.76	1.26	60.32	2.20	1.32
		5230	0.76	1.21	62.81	2.02	1.32
11AX80SISO	Ant1	5210	0.40	0.62	64.52	1.90	2.50

Test Graphs

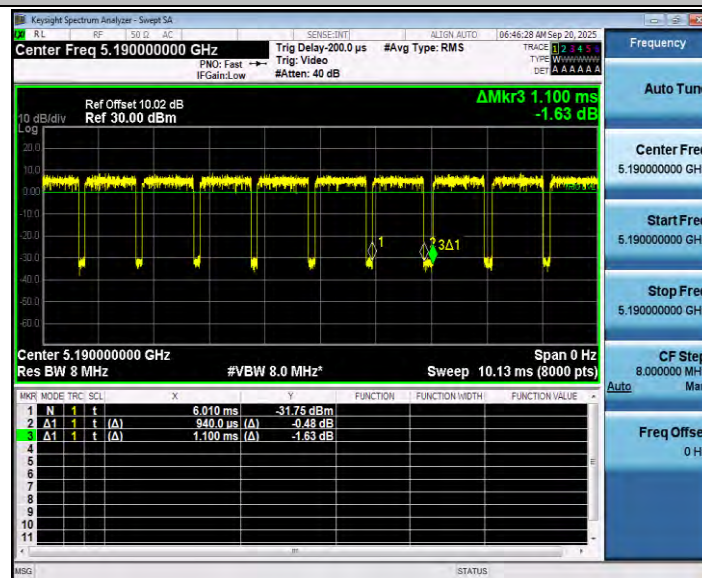




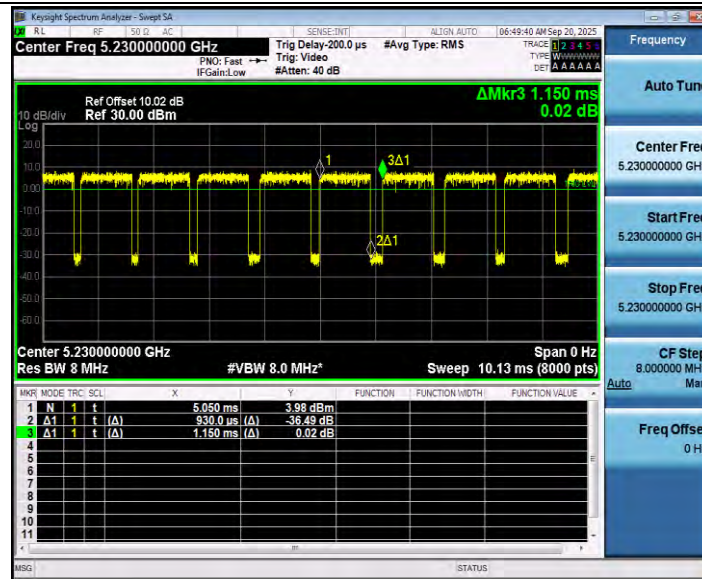
11N20SISO_Ant1_5240



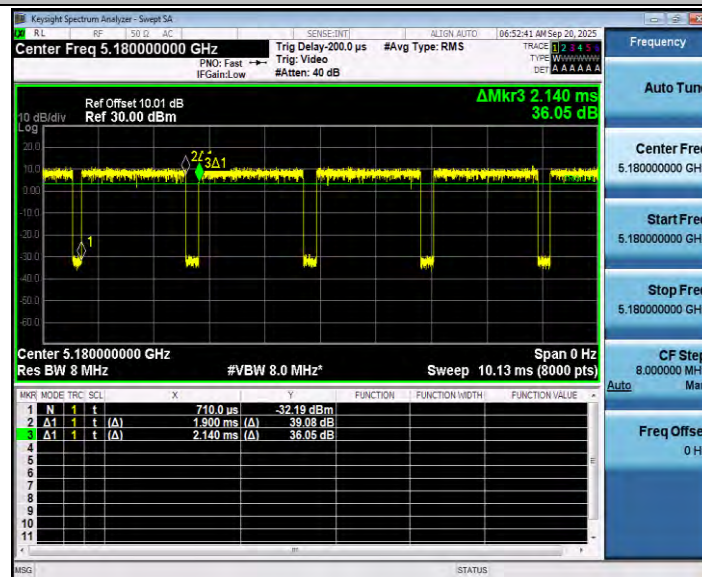
11N40SISO_Ant1_5190



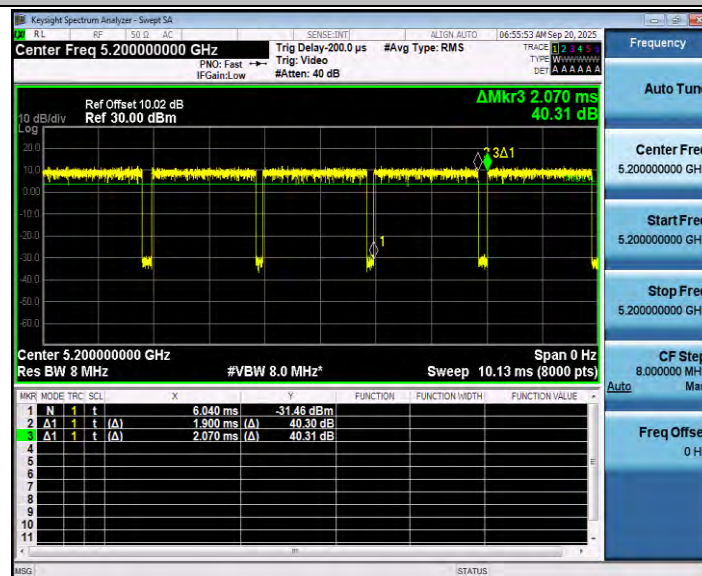
11N40SISO_Ant1_5230



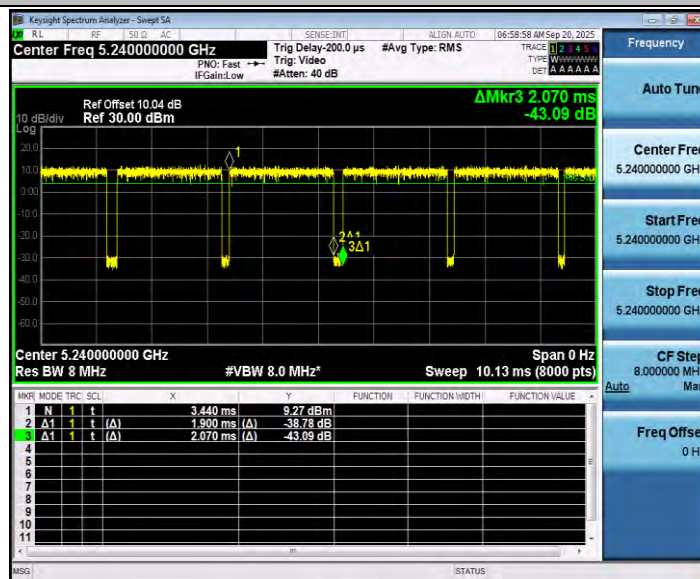
11AC20SISO_Ant1_5180



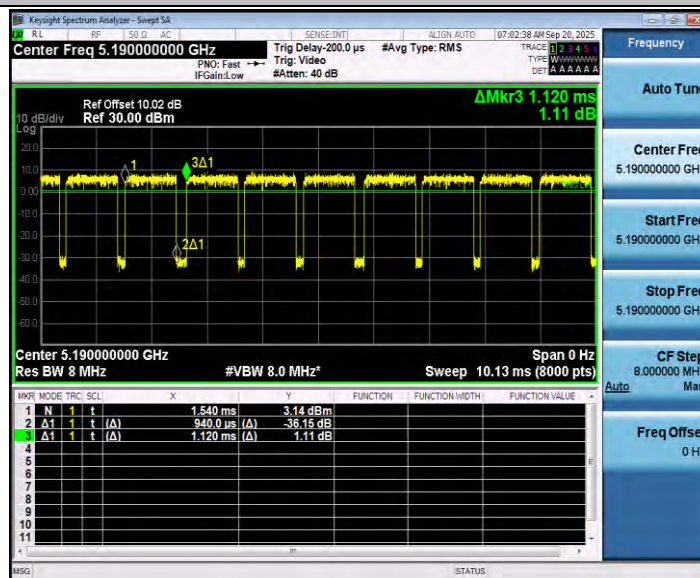
11AC20SISO_Ant1_5200



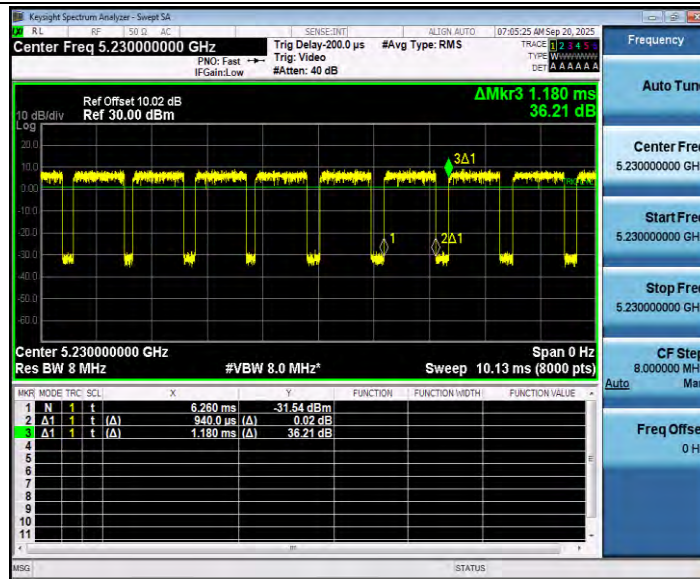
11AC20SISO_Ant1_5240



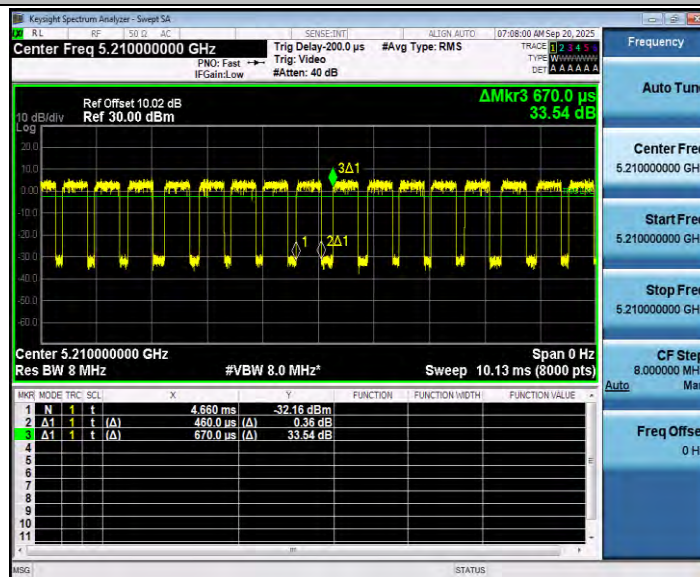
11AC40SISO_Ant1_5190



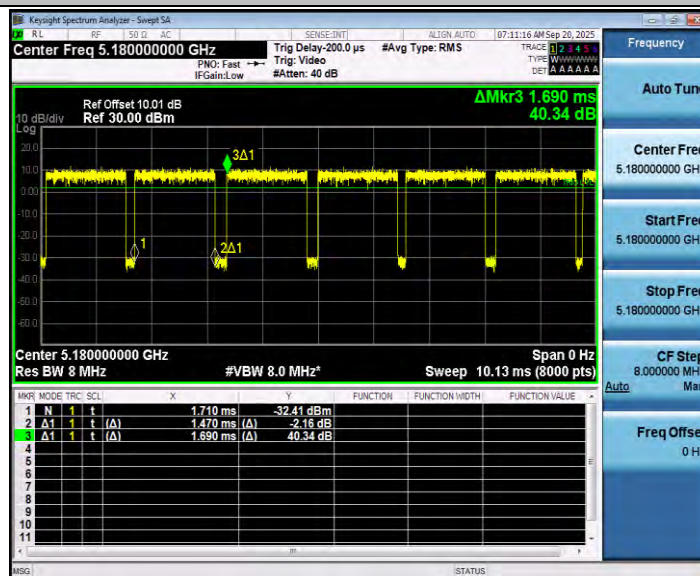
11AC40SISO_Ant1_5230



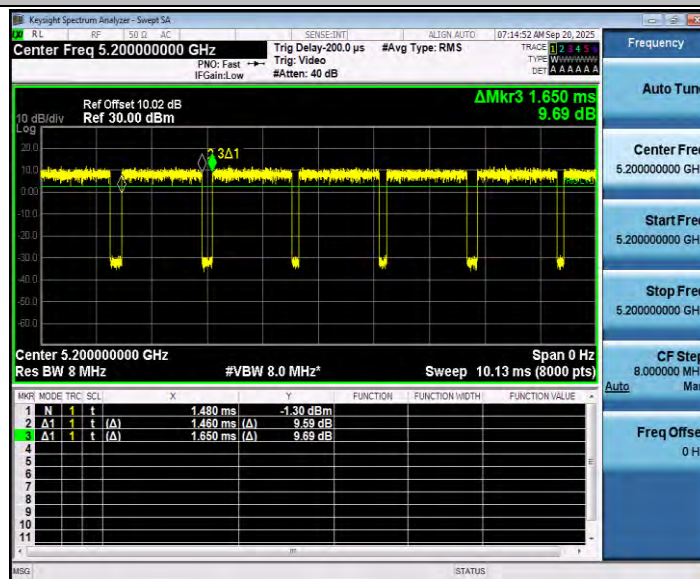
11AC80SISO_Ant1_5210



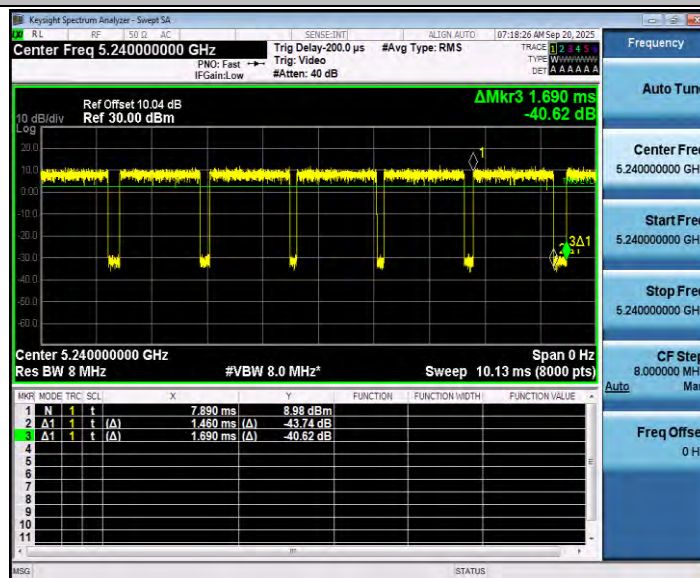
11AX20SISO_Ant1_5180



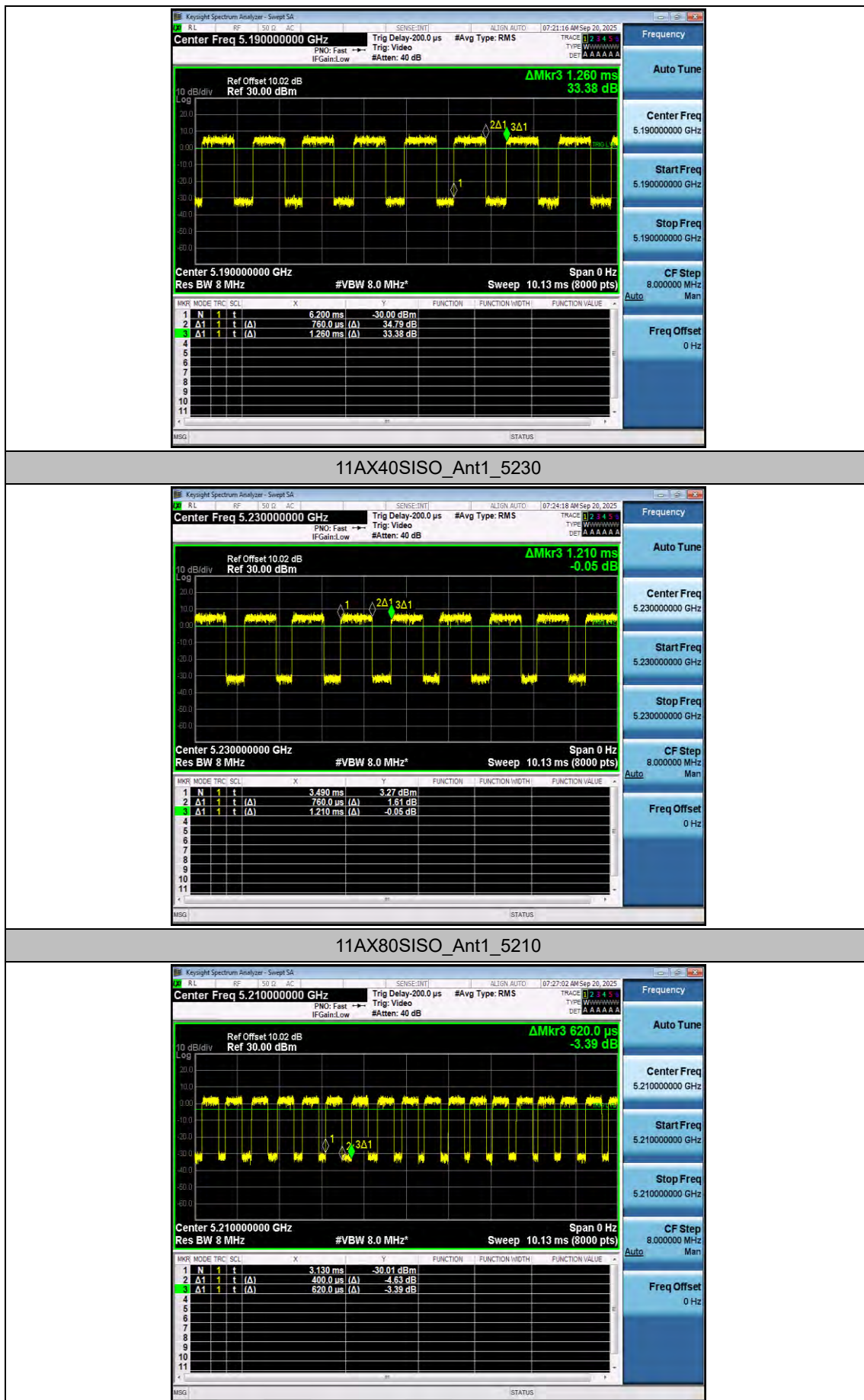
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



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	12.05	91.86	0.37	12.42	≤23.98	PASS
		5200	12.50	89.43	0.49	12.99	≤23.98	PASS
		5240	12.39	90.63	0.43	12.82	≤23.98	PASS
11N20SISO	Ant1	5180	11.93	94.03	0.27	12.20	≤23.98	PASS
		5200	12.34	94.53	0.24	12.58	≤23.98	PASS
		5240	11.67	88.79	0.52	12.19	≤23.98	PASS
11N40SISO	Ant1	5190	10.89	85.45	0.68	11.57	≤23.98	PASS
		5230	10.98	80.87	0.92	11.90	≤23.98	PASS
11AC20SISO	Ant1	5180	11.46	88.79	0.52	11.98	≤23.98	PASS
		5200	11.89	91.79	0.37	12.26	≤23.98	PASS
		5240	12.32	91.79	0.37	12.69	≤23.98	PASS
11AC40SISO	Ant1	5190	11.79	83.93	0.76	12.55	≤23.98	PASS
		5230	11.96	79.66	0.99	12.95	≤23.98	PASS
11AC80SISO	Ant1	5210	10.02	68.66	1.63	11.65	≤23.98	PASS
11AX20SISO	Ant1	5180	11.03	86.98	0.61	11.64	≤23.98	PASS
		5200	11.35	88.48	0.53	11.88	≤23.98	PASS
		5240	11.24	86.39	0.64	11.88	≤23.98	PASS
11AX40SISO	Ant1	5190	10.38	60.32	2.20	12.58	≤23.98	PASS
		5230	10.34	62.81	2.02	12.36	≤23.98	PASS
11AX80SISO	Ant1	5210	9.52	64.52	1.90	11.42	≤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	1.20	≤11.00	PASS
		5200	1.85	≤11.00	PASS
		5240	1.61	≤11.00	PASS
11N20SISO	Ant1	5180	0.77	≤11.00	PASS
		5200	1.27	≤11.00	PASS
		5240	0.85	≤11.00	PASS
11N40SISO	Ant1	5190	-2.28	≤11.00	PASS
		5230	-1.94	≤11.00	PASS
11AC20SISO	Ant1	5180	0.48	≤11.00	PASS
		5200	0.93	≤11.00	PASS
		5240	1.36	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.46	≤11.00	PASS
		5230	-1.27	≤11.00	PASS
11AC80SISO	Ant1	5210	-4.25	≤11.00	PASS
11AX20SISO	Ant1	5180	0.04	≤11.00	PASS
		5200	0.38	≤11.00	PASS
		5240	0.36	≤11.00	PASS
11AX40SISO	Ant1	5190	-2.05	≤11.00	PASS
		5230	-2.14	≤11.00	PASS
11AX80SISO	Ant1	5210	-5.55	≤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



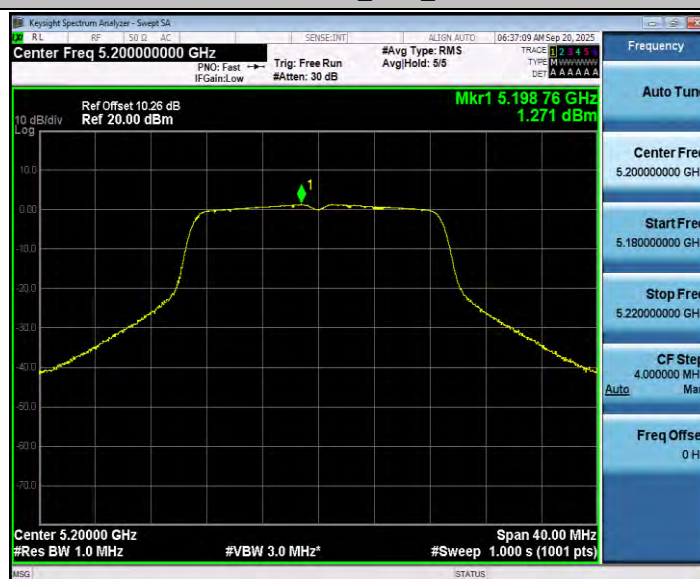
11A_Ant1_5240



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



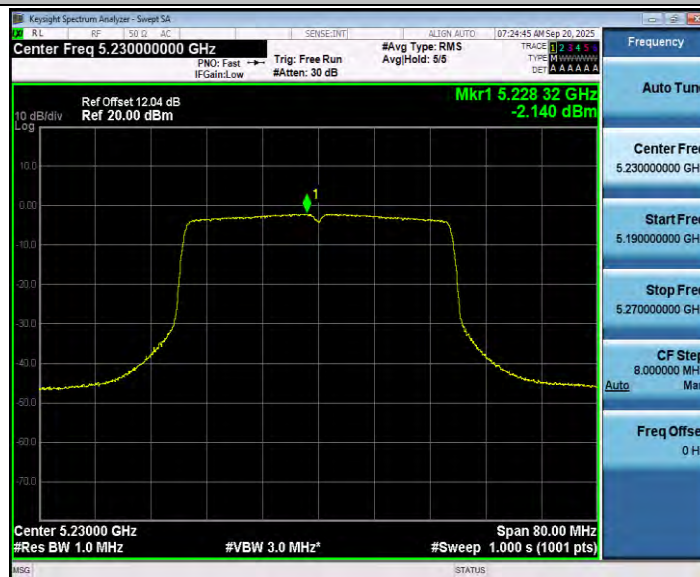
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



11AX80SISO_Ant1_5210

