

Case No. : <u>GTS20250919018-2-12</u>
Ambient Condition: <u>22</u> °C, <u>49</u> %RH
According Standard: <u>■Part15E</u>
Test Date: <u>2025.9.30-2025.10.21</u> Test Engineer: <u>Evan ouyang</u>

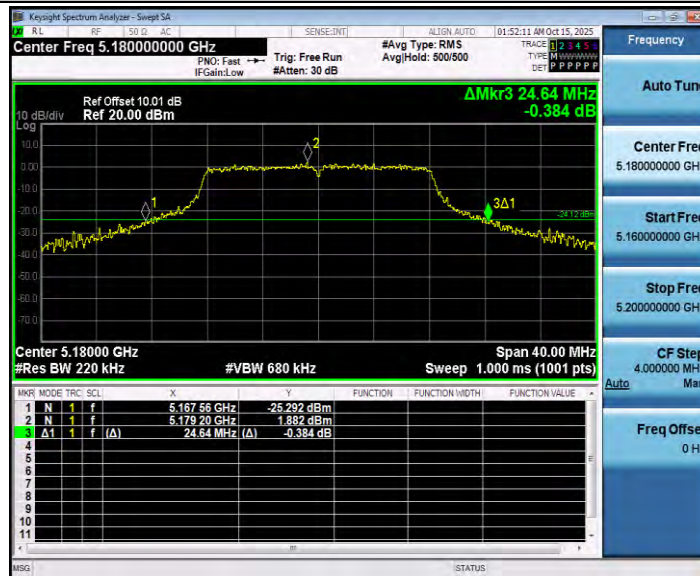
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	24.640	5167.560	5192.200	---	---
		5200	25.040	5187.760	5212.800	---	---
		5240	27.640	5226.960	5254.600	---	---
11N20SISO	Ant1	5180	26.760	5167.200	5193.960	---	---
		5200	25.640	5187.560	5213.200	---	---
		5240	26.200	5227.480	5253.680	---	---
11N40SISO	Ant1	5190	46.240	5166.960	5213.200	---	---
		5230	48.960	5206.480	5255.440	---	---
11AC20SISO	Ant1	5180	26.760	5167.080	5193.840	---	---
		5200	25.560	5187.560	5213.120	---	---
		5240	26.240	5227.120	5253.360	---	---
11AC40SISO	Ant1	5190	52.400	5167.360	5219.760	---	---
		5230	49.600	5205.120	5254.720	---	---
11AX20SISO	Ant1	5180	25.520	5167.240	5192.760	---	---
		5200	25.560	5187.800	5213.360	---	---
		5240	25.840	5227.640	5253.480	---	---
11AX40SISO	Ant1	5190	46.720	5167.120	5213.840	---	---
		5230	45.360	5208.320	5253.680	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



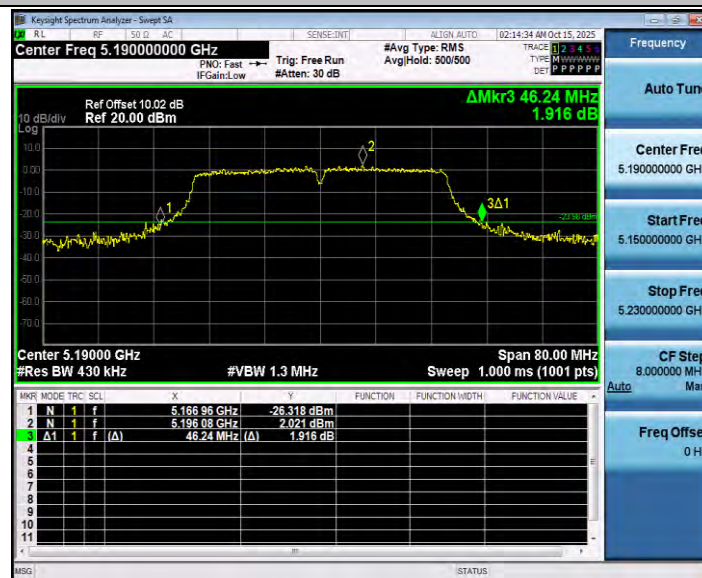
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



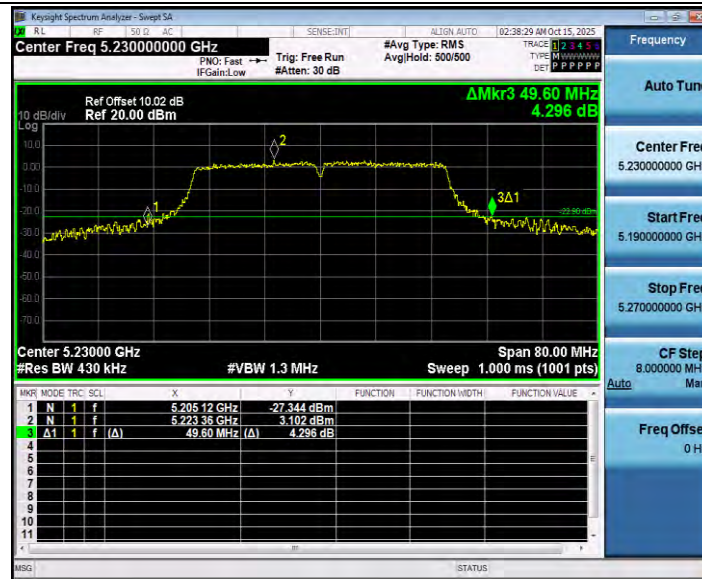
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11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



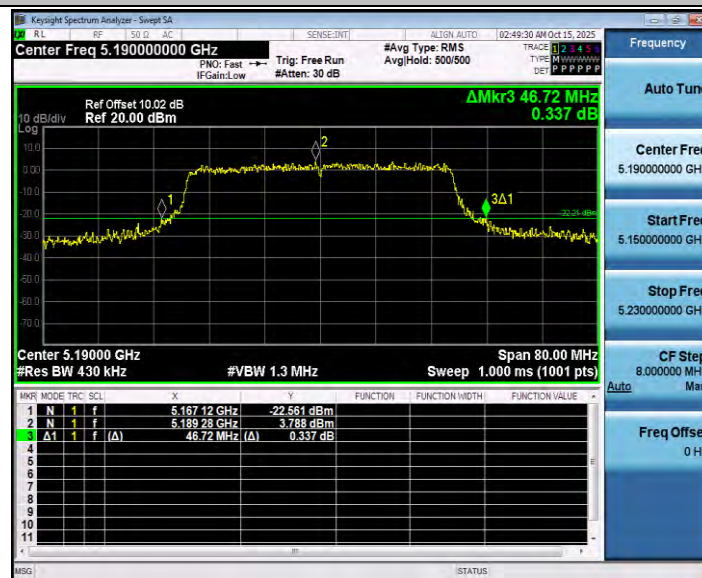
11AX20SISO_Ant1_5200



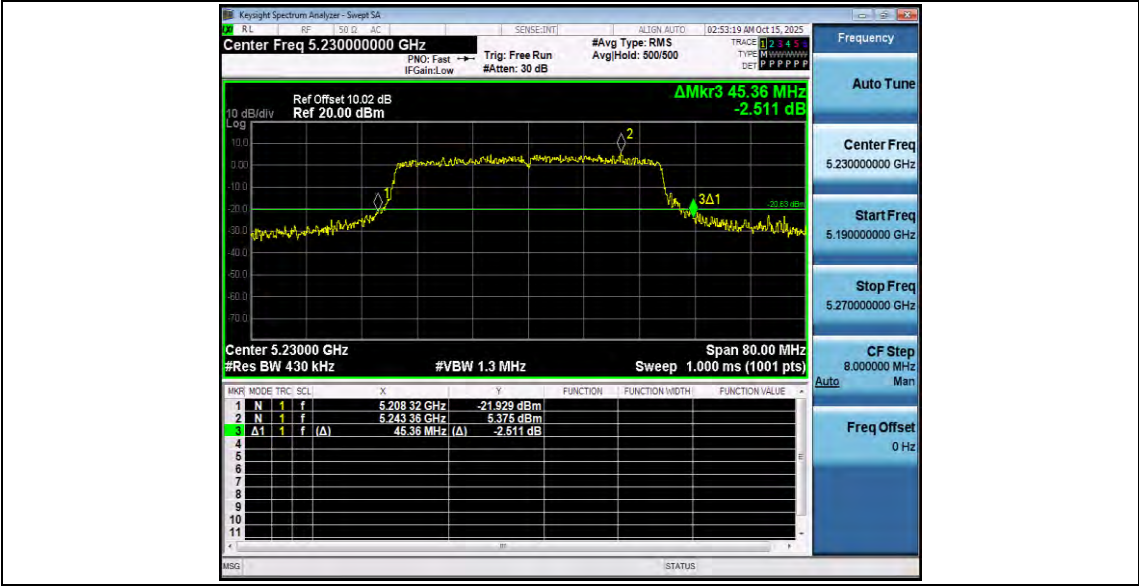
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

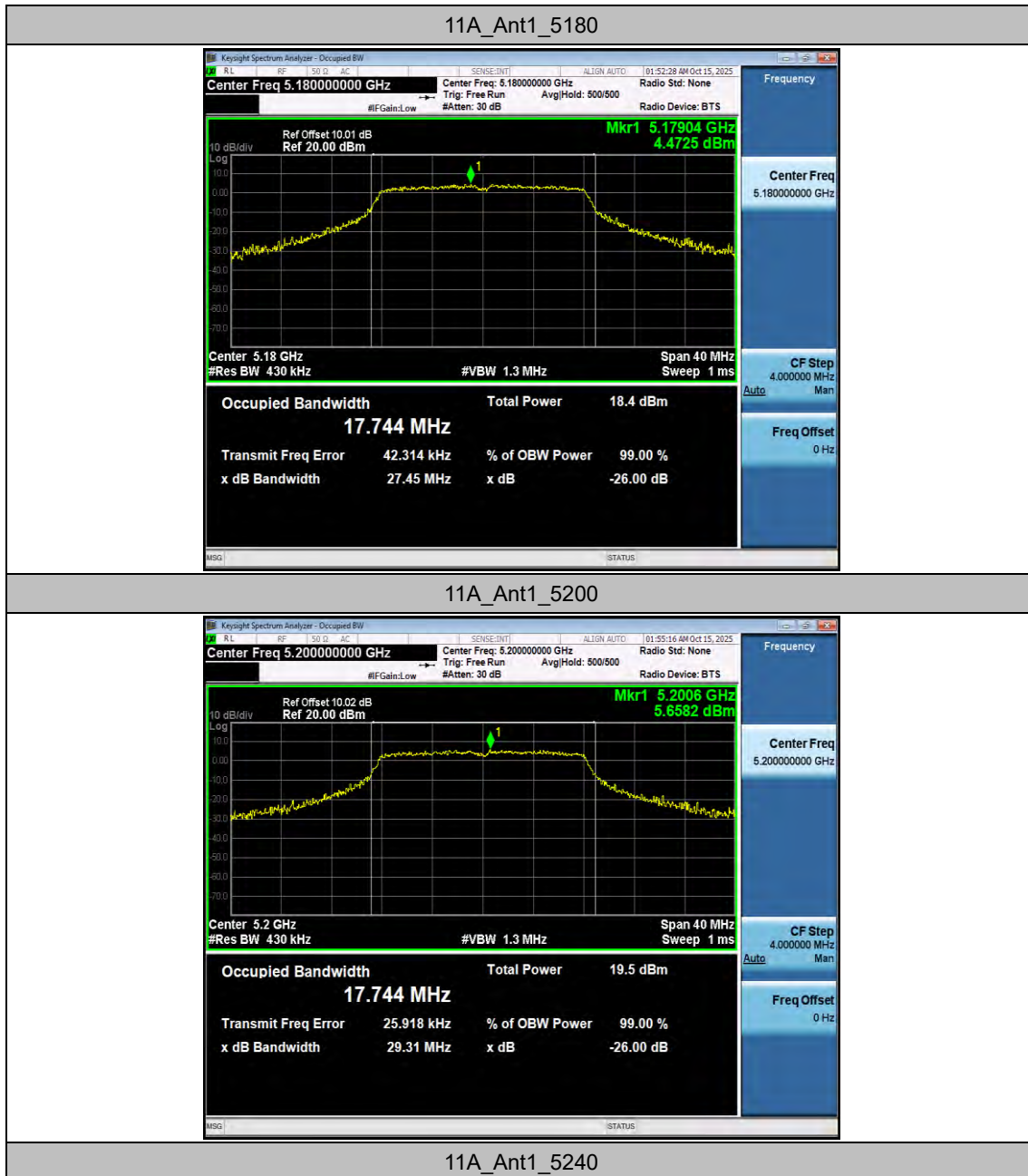


Appendix D.2: Occupied channel bandwidth

Test Result

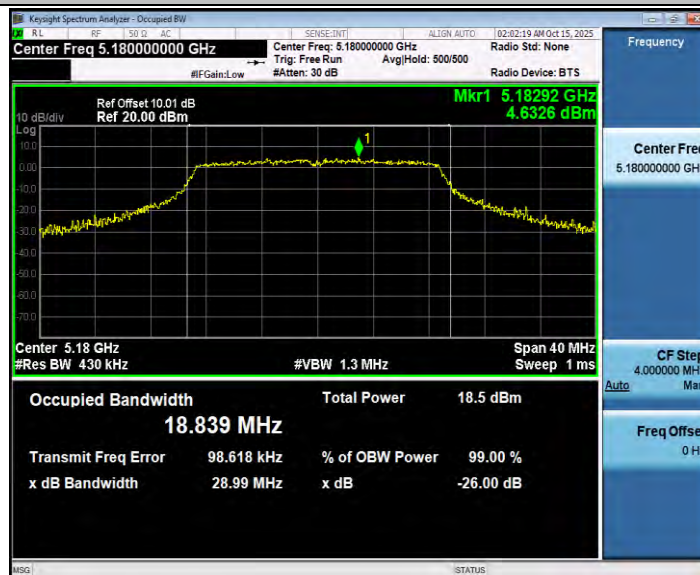
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.744	5171.1703	5188.9143	---	---
		5200	17.744	5191.1539	5208.8979	---	---
		5240	17.713	5231.1217	5248.8347	---	---
11N20SISO	Ant1	5180	18.839	5170.6791	5189.5181	---	---
		5200	18.780	5190.6771	5209.4571	---	---
		5240	18.806	5230.6466	5249.4526	---	---
11N40SISO	Ant1	5190	37.430	5171.4469	5208.8769	---	---
		5230	37.451	5211.4007	5248.8517	---	---
11AC20SISO	Ant1	5180	18.882	5170.6048	5189.4868	---	---
		5200	18.848	5190.6359	5209.4839	---	---
		5240	18.789	5230.6609	5249.4499	---	---
11AC40SISO	Ant1	5190	37.315	5171.5272	5208.8422	---	---
		5230	37.332	5211.4262	5248.7582	---	---
11AX20SISO	Ant1	5180	19.499	5170.2912	5189.7902	---	---
		5200	19.516	5190.2704	5209.7864	---	---
		5240	19.498	5230.3051	5249.8031	---	---
11AX40SISO	Ant1	5190	38.313	5170.9842	5209.2972	---	---
		5230	38.396	5210.9291	5249.3251	---	---

Test Graphs





11N20SISO_Ant1_5180



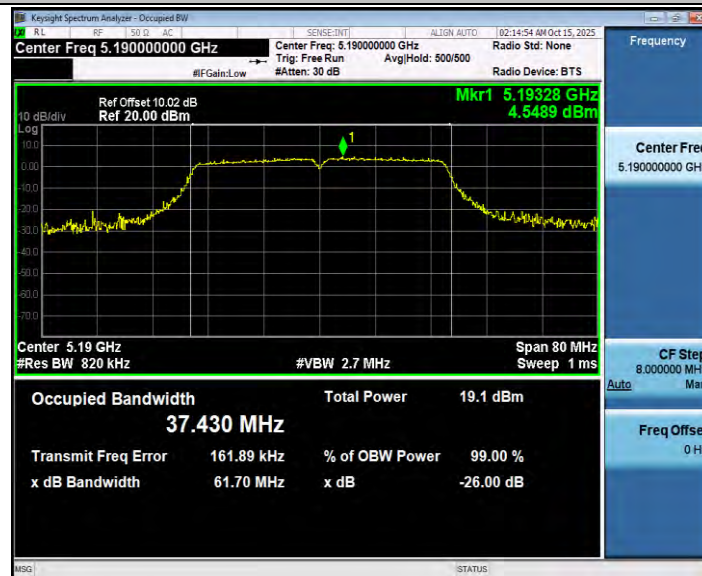
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



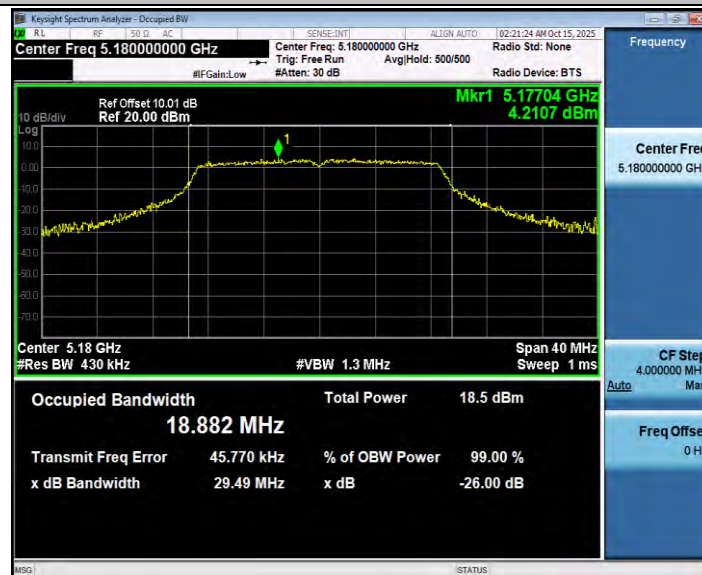
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



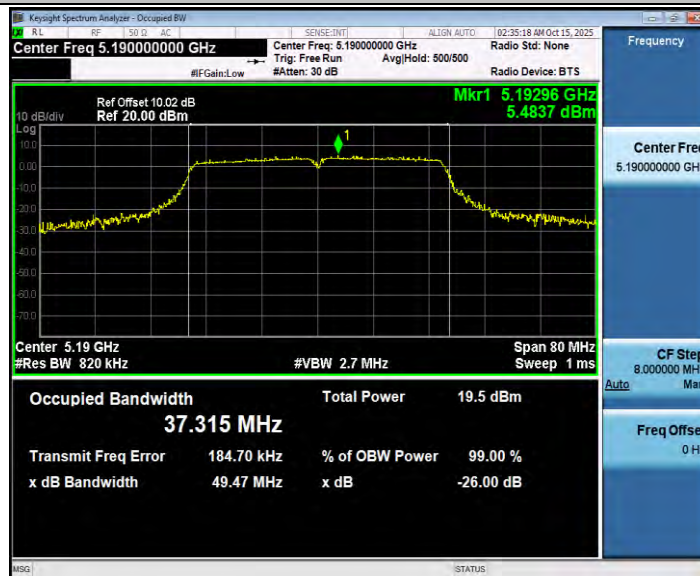
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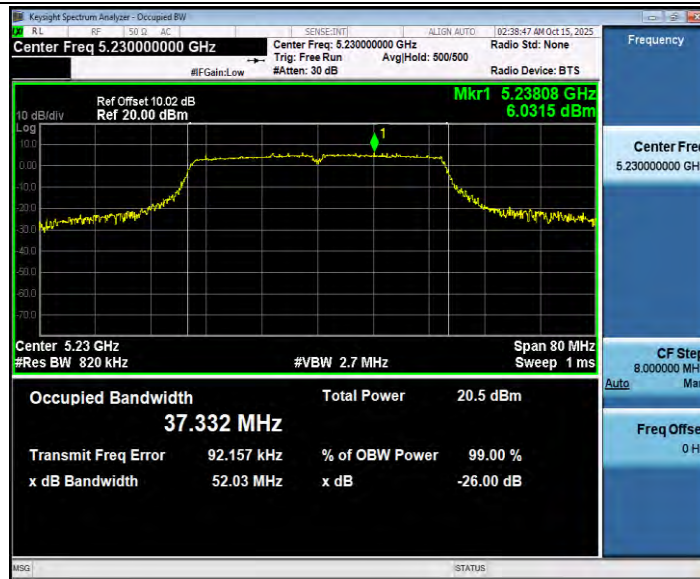
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



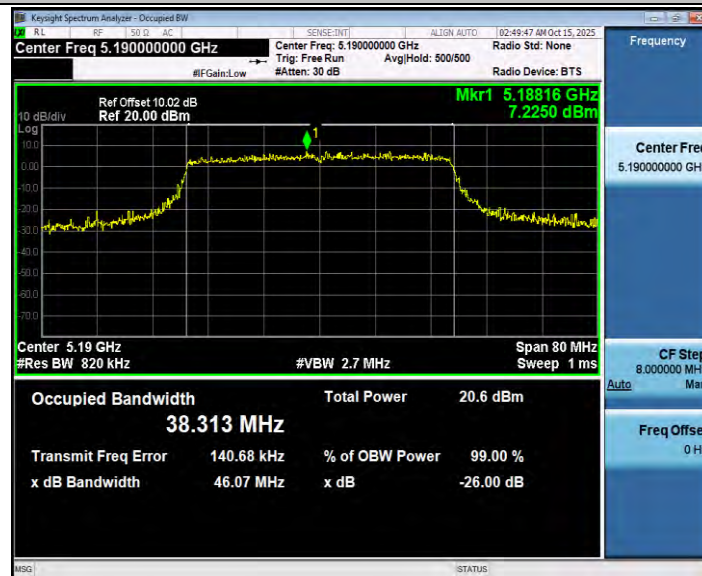
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

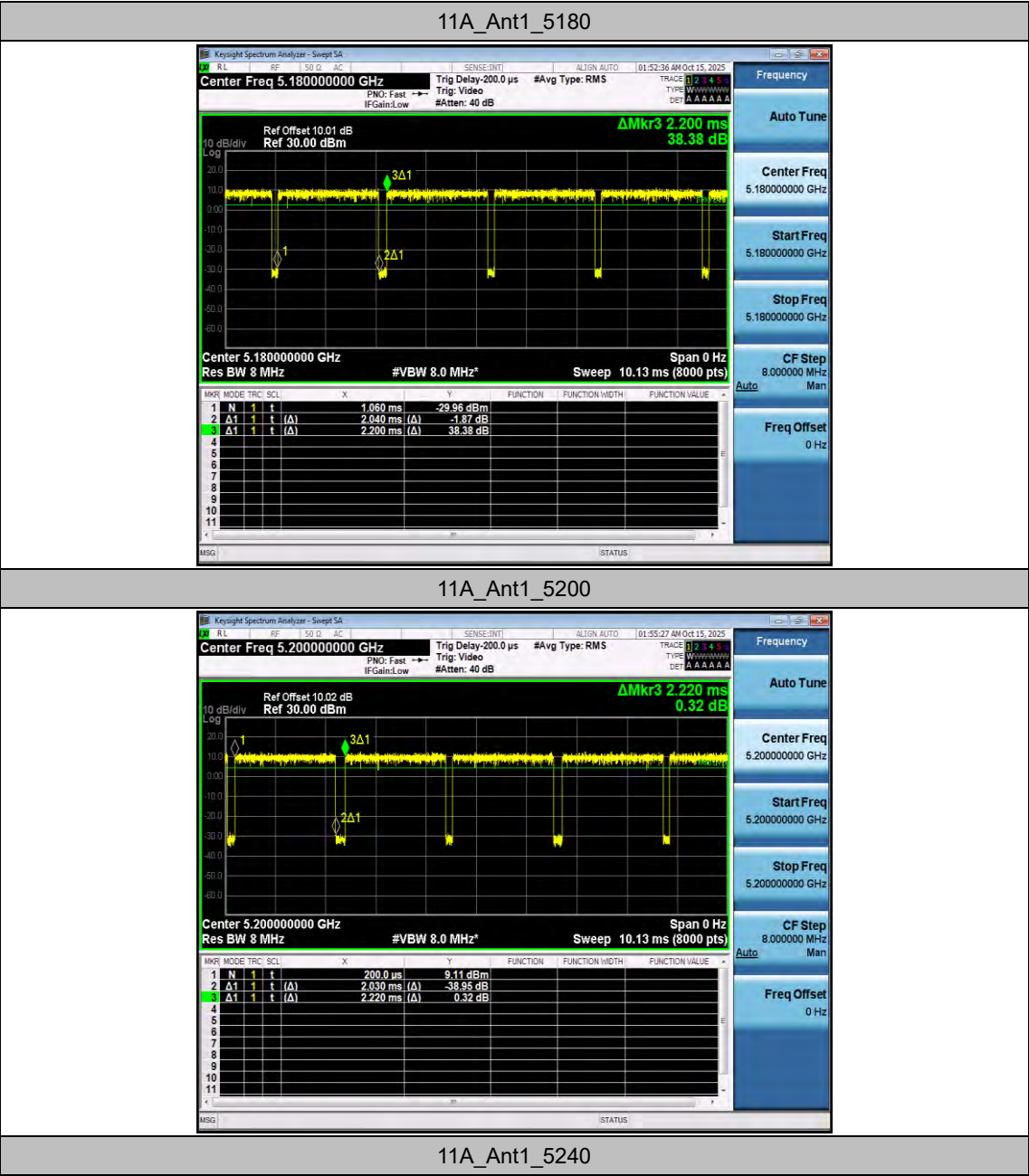


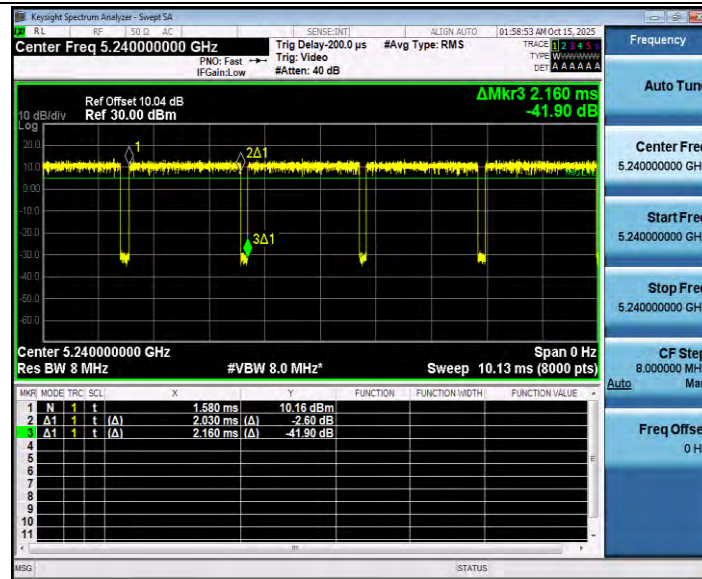
AppendixD.3: Duty Cycle

Test Result

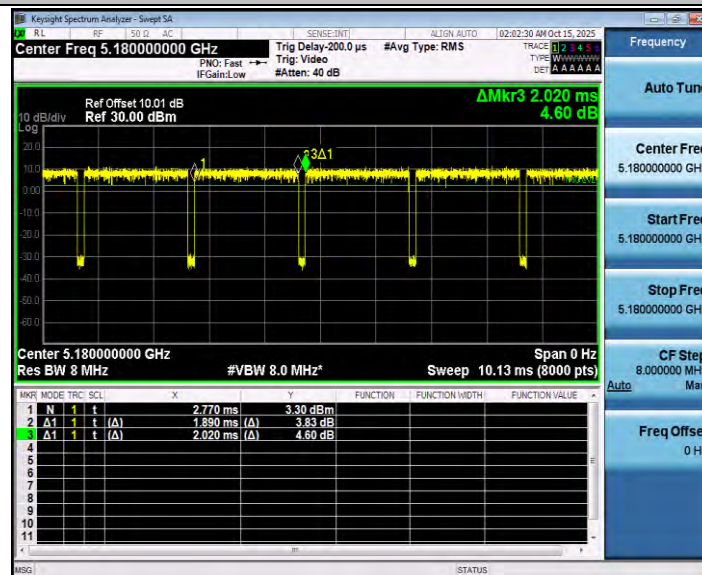
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	2.04	2.20	92.73	0.33	0.49
		5200	2.03	2.22	91.44	0.39	0.49
		5240	2.03	2.16	93.98	0.27	0.49
11N20SISO	Ant1	5180	1.89	2.02	93.56	0.29	0.53
		5200	1.89	2.10	90.00	0.46	0.53
		5240	1.89	2.07	91.30	0.40	0.53
11N40SISO	Ant1	5190	0.93	1.10	84.55	0.73	1.08
		5230	0.93	1.17	79.49	1.00	1.08
11AC20SISO	Ant1	5180	1.90	2.06	92.23	0.35	0.53
		5200	1.90	2.13	89.20	0.50	0.53
		5240	1.90	2.11	90.05	0.46	0.53
11AC40SISO	Ant1	5190	0.94	1.12	83.93	0.76	1.06
		5230	0.93	1.42	65.49	1.84	1.08
11AX20SISO	Ant1	5180	1.46	1.66	87.95	0.56	0.68
		5200	1.47	1.68	87.50	0.58	0.68
		5240	1.47	1.68	87.50	0.58	0.68
11AX40SISO	Ant1	5190	0.76	0.93	81.72	0.88	1.32
		5230	0.77	0.99	77.78	1.09	1.30

Test Graphs

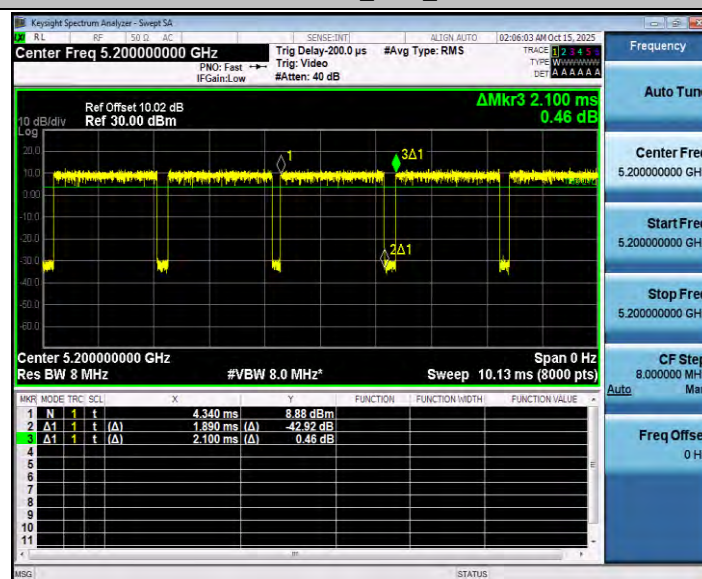




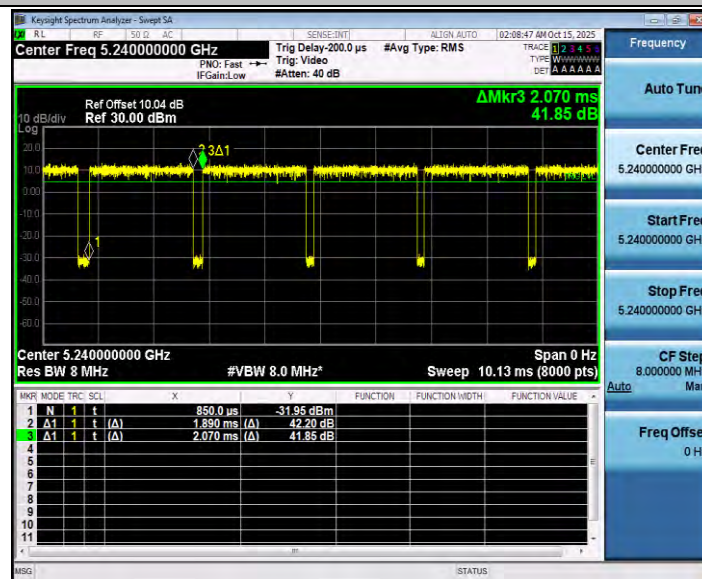
11N20SISO_Ant1_5180



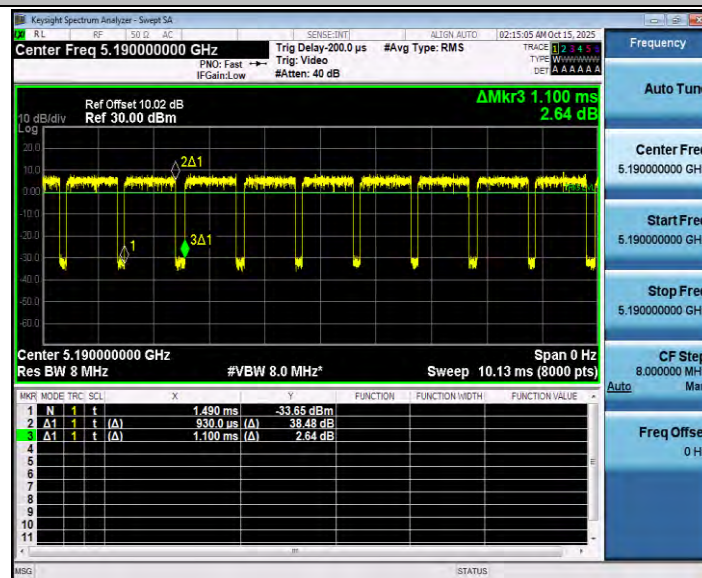
11N20SISO_Ant1_5200



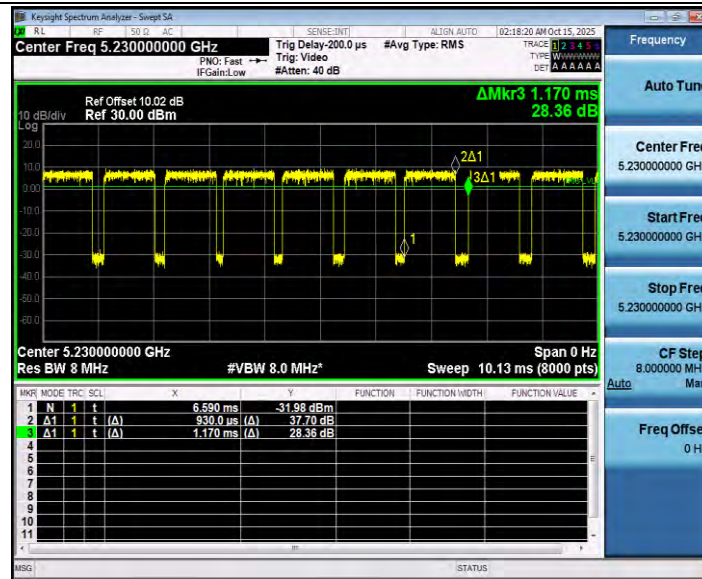
11N20SISO_Ant1_5240



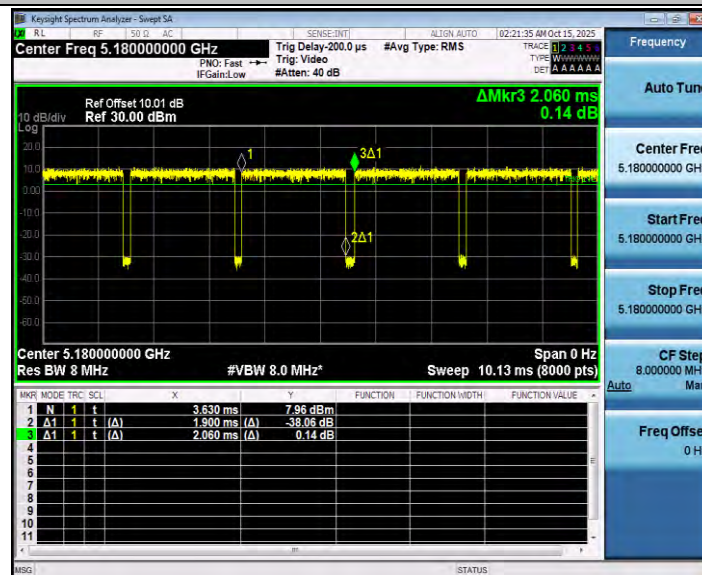
11N40SISO_Ant1_5190



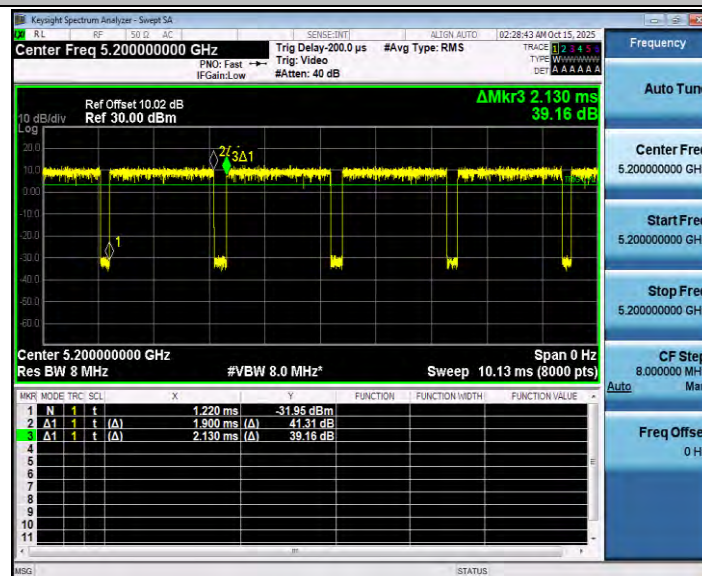
11N40SISO_Ant1_5230



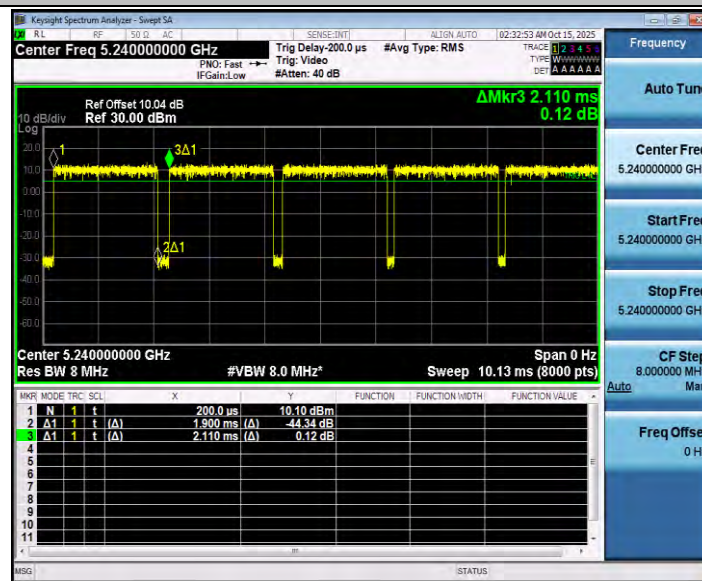
11AC20SISO_Ant1_5180



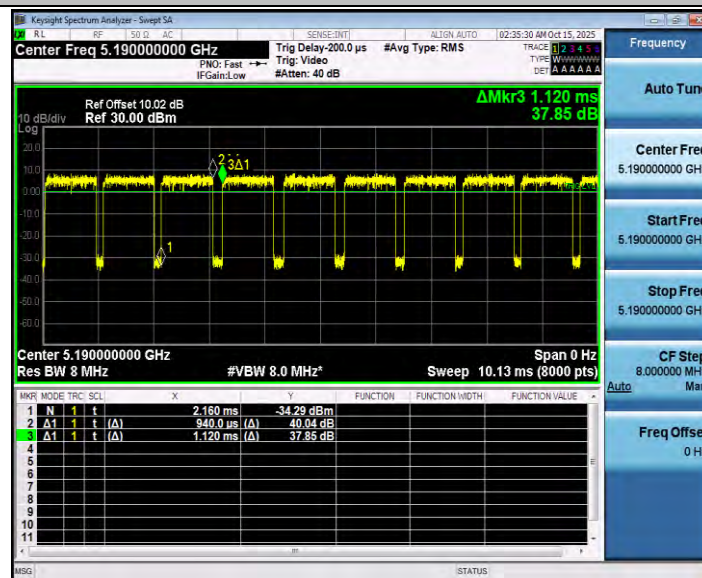
11AC20SISO_Ant1_5200



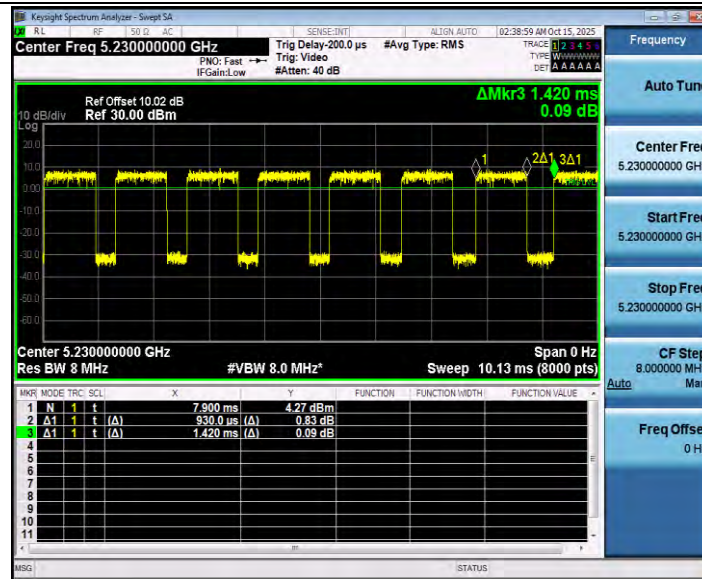
11AC20SISO_Ant1_5240



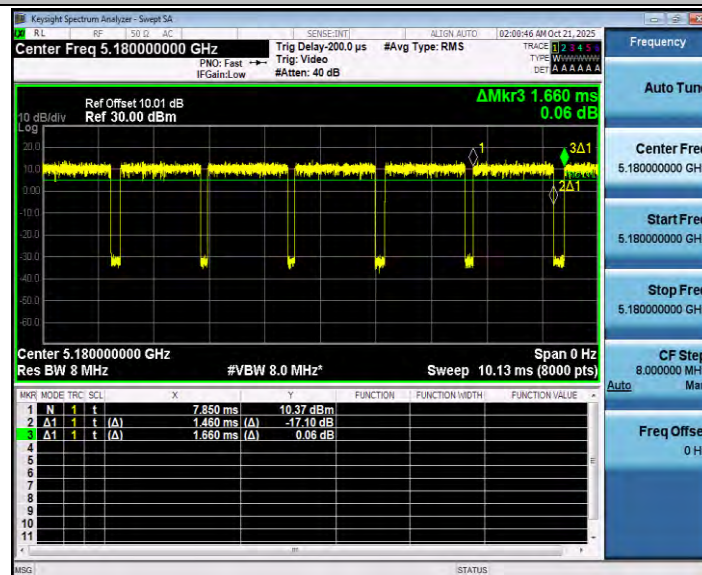
11AC40SISO_Ant1_5190



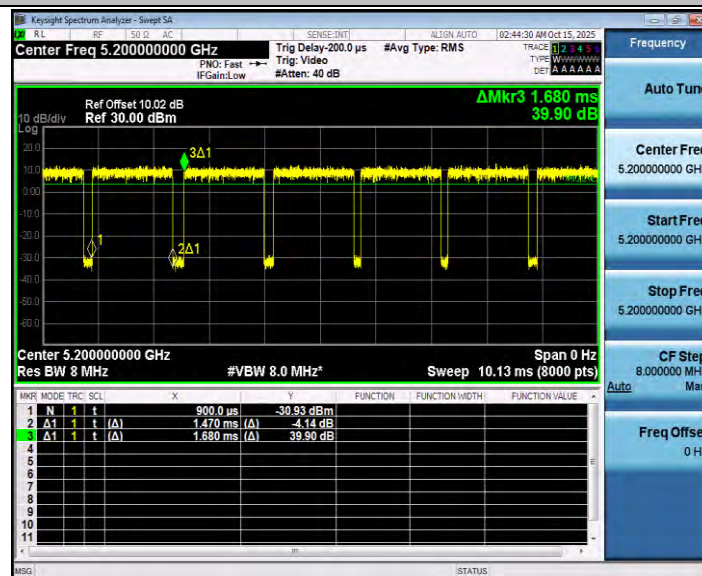
11AC40SISO_Ant1_5230

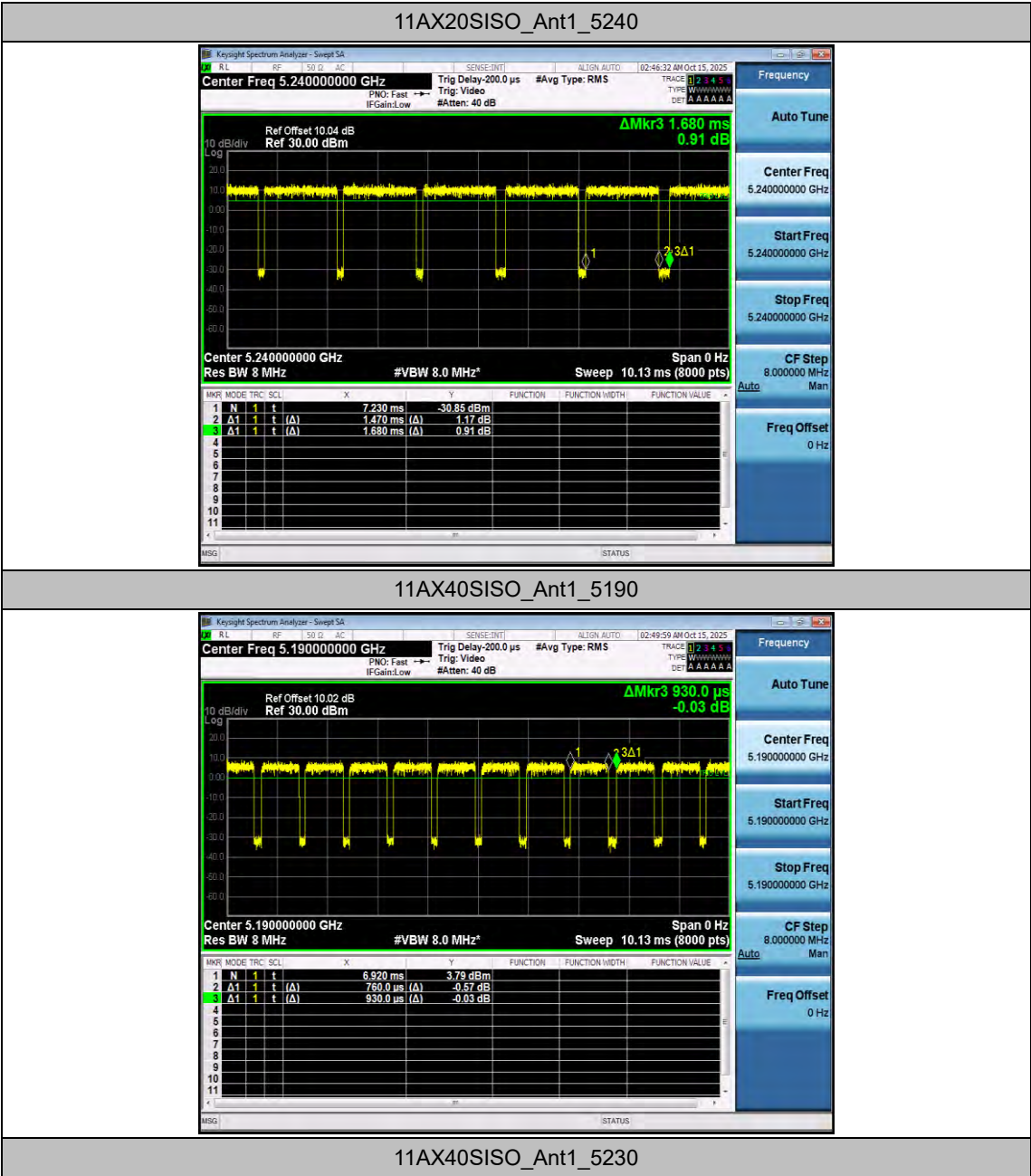


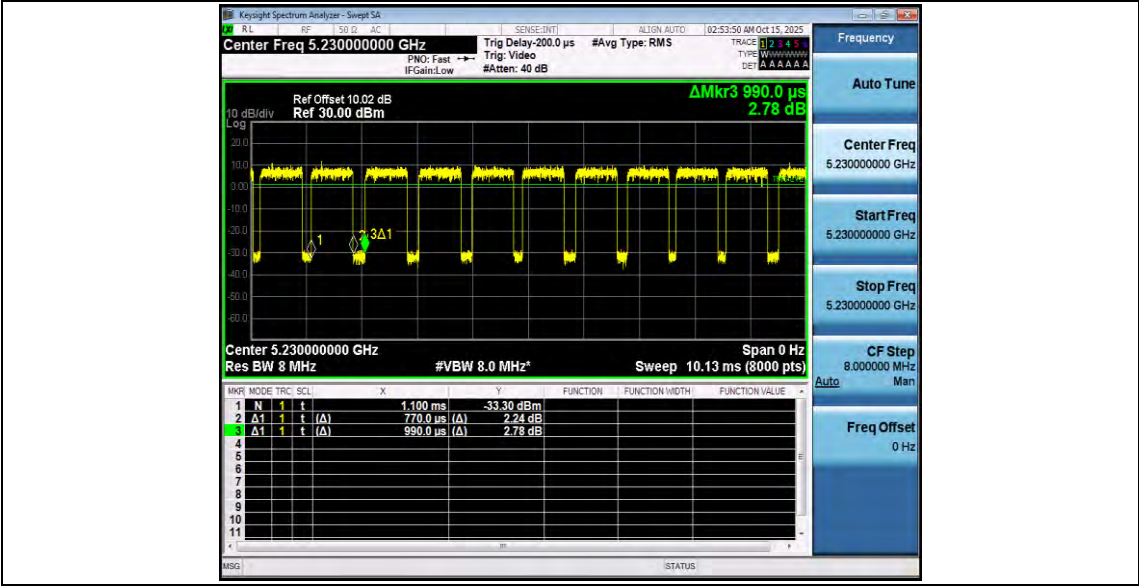
11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200







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	11.20	92.73	0.33	11.53	≤23.98	PASS
		5200	12.36	91.44	0.39	12.75	≤23.98	PASS
		5240	13.38	93.98	0.27	13.65	≤23.98	PASS
11N20SISO	Ant1	5180	11.24	93.56	0.29	11.53	≤23.98	PASS
		5200	12.14	90.00	0.46	12.60	≤23.98	PASS
		5240	13.01	91.30	0.40	13.41	≤23.98	PASS
11N40SISO	Ant1	5190	11.16	84.55	0.73	11.89	≤23.98	PASS
		5230	11.88	79.49	1.00	12.88	≤23.98	PASS
11AC20SISO	Ant1	5180	11.28	92.23	0.35	11.63	≤23.98	PASS
		5200	12.01	89.20	0.50	12.51	≤23.98	PASS
		5240	13.26	90.05	0.46	13.72	≤23.98	PASS
11AC40SISO	Ant1	5190	11.51	83.93	0.76	12.27	≤23.98	PASS
		5230	12.38	65.49	1.84	14.22	≤23.98	PASS
11AX20SISO	Ant1	5180	11.31	87.95	0.56	11.87	≤23.98	PASS
		5200	12.00	87.50	0.58	12.58	≤23.98	PASS
		5240	12.94	87.50	0.58	13.52	≤23.98	PASS
11AX40SISO	Ant1	5190	11.16	81.72	0.88	12.04	≤23.98	PASS
		5230	12.24	77.78	1.09	13.33	≤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	0.78	≤11.00	PASS
		5200	1.67	≤11.00	PASS
		5240	2.68	≤11.00	PASS
11N20SISO	Ant1	5180	0.19	≤11.00	PASS
		5200	1.24	≤11.00	PASS
		5240	2.26	≤11.00	PASS
11N40SISO	Ant1	5190	-2.23	≤11.00	PASS
		5230	-0.83	≤11.00	PASS
11AC20SISO	Ant1	5180	0.23	≤11.00	PASS
		5200	1.27	≤11.00	PASS
		5240	2.44	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.94	≤11.00	PASS
		5230	0.14	≤11.00	PASS
11AX20SISO	Ant1	5180	1.03	≤11.00	PASS
		5200	1.17	≤11.00	PASS
		5240	2.20	≤11.00	PASS
11AX40SISO	Ant1	5190	-2.48	≤11.00	PASS
		5230	-1.18	≤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



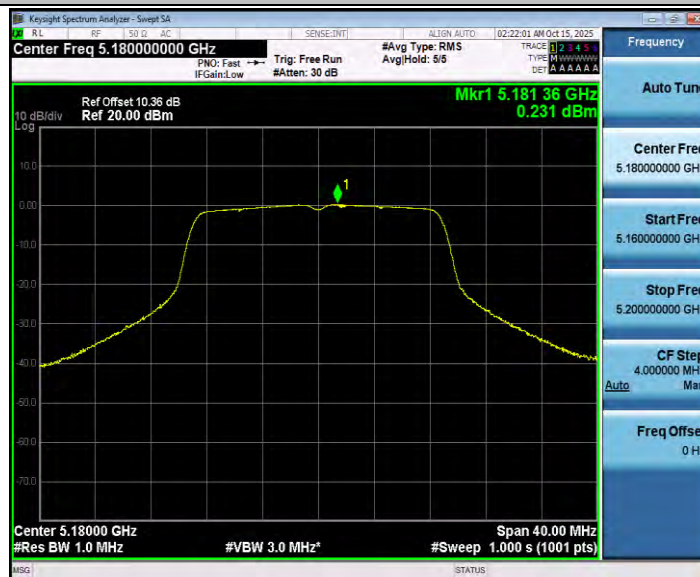
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

