

Case No. : CTA24111401804	
Ambient Condition: 23 °C, 52 %RH	
According Standard: ■Part15E	
Test Date: 2024.9.13	Test Engineer: Lushan Kong

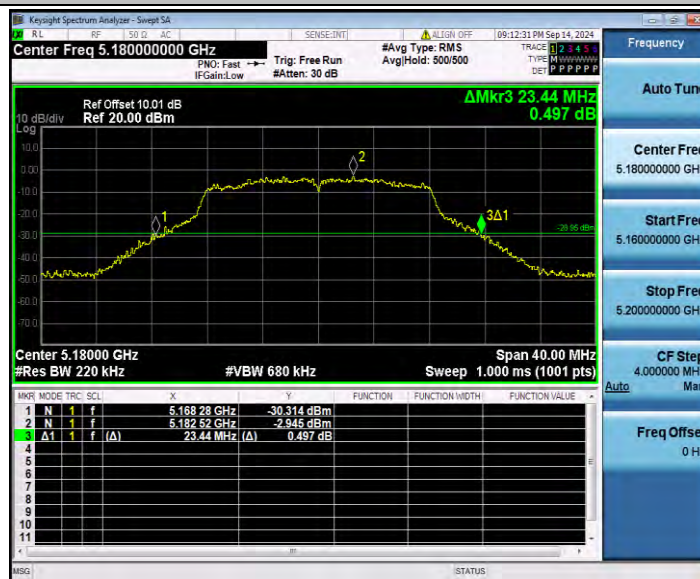
Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	23.440	5168.280	5191.720	---	---
		5200	23.080	5188.560	5211.640	---	---
		5240	23.720	5228.000	5251.720	---	---
11N20SISO	Ant2	5180	23.600	5168.400	5192.000	---	---
		5200	23.800	5188.120	5211.920	---	---
		5240	23.160	5228.280	5251.440	---	---
11N40SISO	Ant2	5190	43.520	5168.240	5211.760	---	---
		5230	43.360	5208.080	5251.440	---	---
11AC20SISO	Ant2	5180	23.600	5168.320	5191.920	---	---
		5200	23.360	5188.480	5211.840	---	---
		5240	23.640	5228.360	5252.000	---	---
11AC40SISO	Ant2	5190	43.120	5168.720	5211.840	---	---
		5230	42.400	5208.800	5251.200	---	---
11AC80SISO	Ant2	5210	85.120	5166.640	5251.760	---	---
11AX20SISO	Ant2	5180	22.880	5168.760	5191.640	---	---
		5200	22.960	5188.680	5211.640	---	---
		5240	23.040	5228.240	5251.280	---	---
11AX40SISO	Ant2	5190	42.720	5168.880	5211.600	---	---
		5230	42.960	5208.640	5251.600	---	---
11AX80SISO	Ant2	5210	83.200	5168.240	5251.440	---	---

Test Graphs

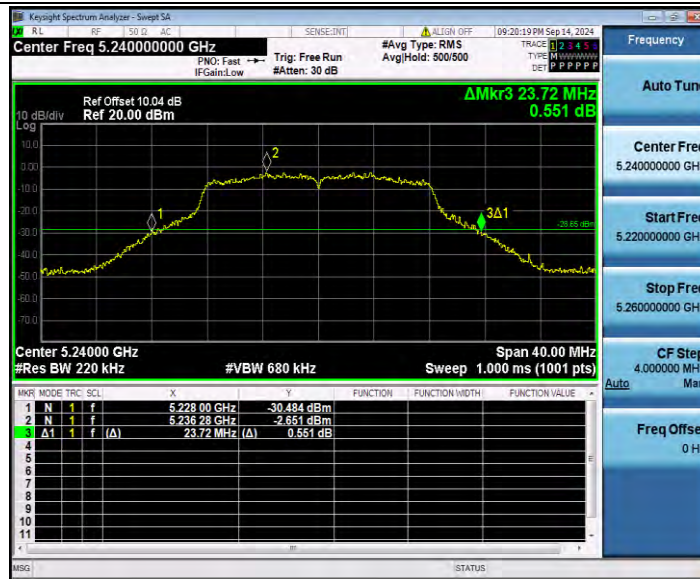
11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240

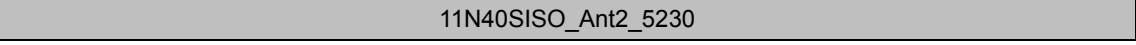
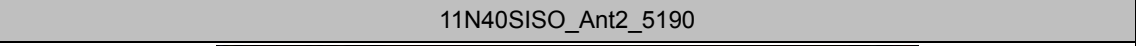


11N20SISO_Ant2_5180



11N20SISO_Ant2_5200







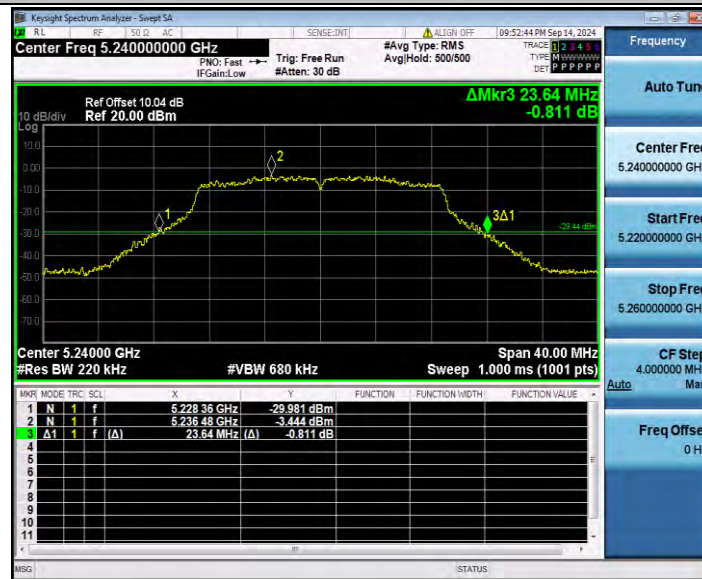
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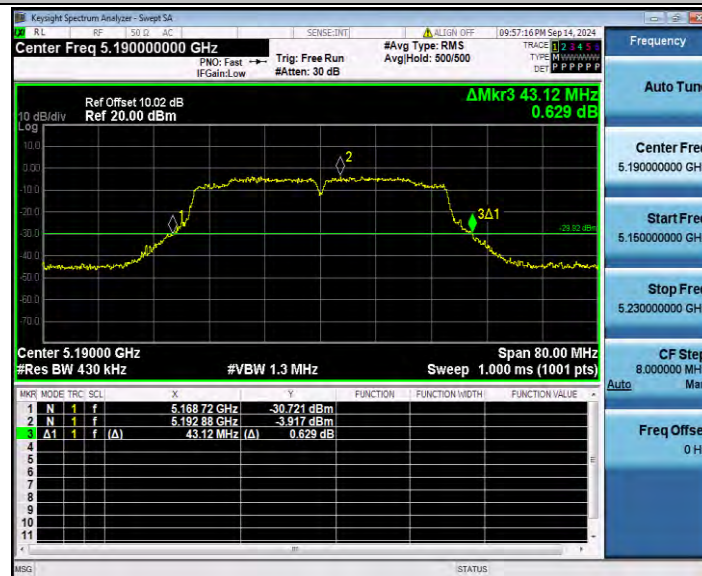
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11AC20SISO_Ant2_5240



11AC40SISO_Ant2_5190



11AC40SISO_Ant2_5230



11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



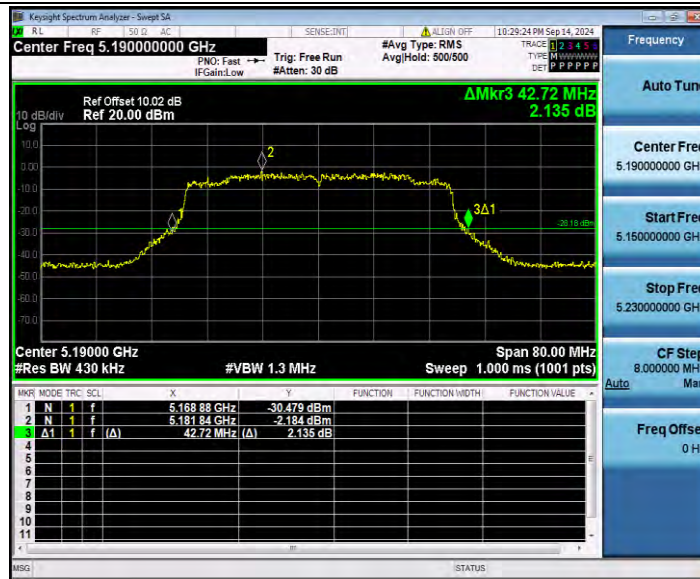
11AX20SISO_Ant2_5200



11AX20SISO_Ant2_5240



11AX40SISO_Ant2_5190



11AX40ISO_Ant2_5230



11AX80ISO_Ant2_5210



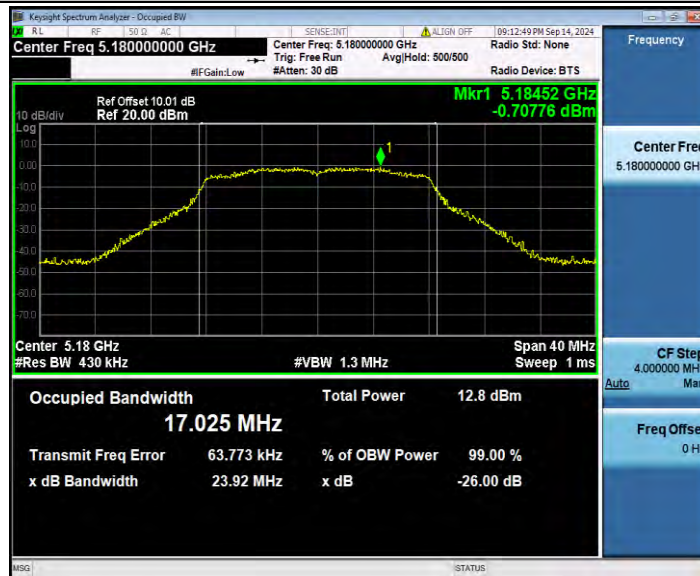
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5180	17.025	5171.5513	5188.5763	---	---
		5200	16.958	5191.5933	5208.5513	---	---
		5240	17.011	5231.4954	5248.5064	---	---
11N20SISO	Ant2	5180	18.035	5171.0554	5189.0904	---	---
		5200	18.057	5191.0211	5209.0781	---	---
		5240	17.969	5231.0250	5248.9940	---	---
11N40SISO	Ant2	5190	36.206	5171.9267	5208.1327	---	---
		5230	36.212	5211.9137	5248.1257	---	---
11AC20SISO	Ant2	5180	17.994	5171.0526	5189.0466	---	---
		5200	18.026	5191.0703	5209.0963	---	---
		5240	17.988	5230.9985	5248.9865	---	---
11AC40SISO	Ant2	5190	36.217	5171.9428	5208.1598	---	---
		5230	36.158	5211.9297	5248.0877	---	---
11AC80SISO	Ant2	5210	75.067	5172.5025	5247.5695	---	---
11AX20SISO	Ant2	5180	18.987	5170.5219	5189.5089	---	---
		5200	18.971	5190.5382	5209.5092	---	---
		5240	18.975	5230.5094	5249.4844	---	---
11AX40SISO	Ant2	5190	37.636	5171.2177	5208.8537	---	---
		5230	37.649	5211.2042	5248.8532	---	---
11AX80SISO	Ant2	5210	76.479	5171.7976	5248.2766	---	---

Test Graphs

11A_Ant2_5180



11A_Ant2_5200



11A_Ant2_5240



11N20SISO_Ant2_5180



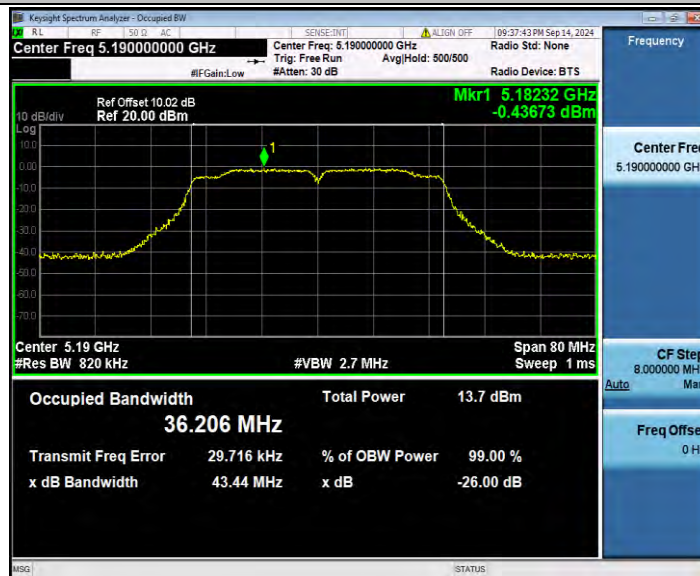
11N20SISO_Ant2_5200



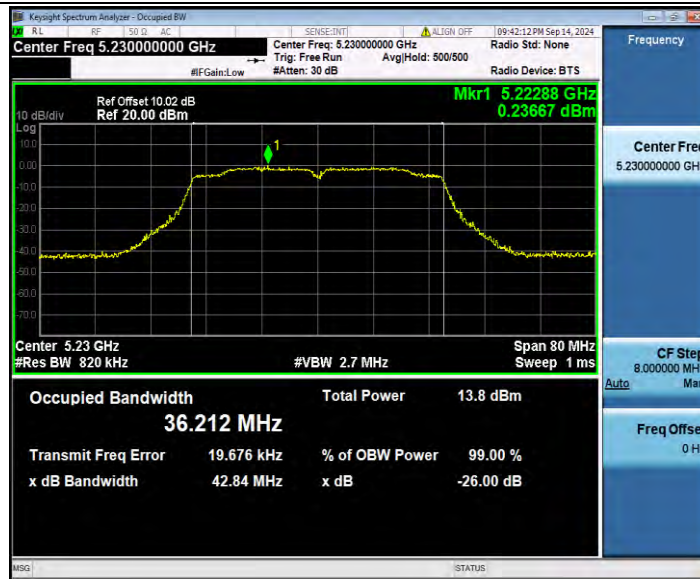
11N20SISO_Ant2_5240



11N40SISO_Ant2_5190



11N40SISO_Ant2_5230



11AC20SISO_Ant2_5180



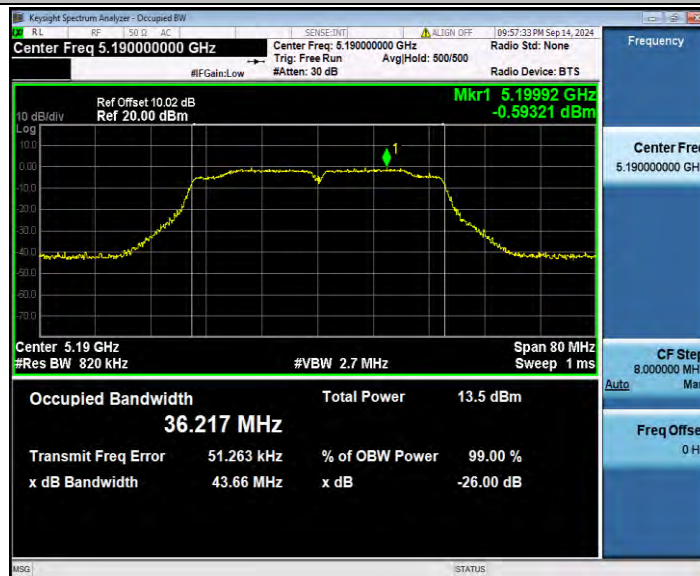
11AC20SISO_Ant2_5200



11AC20SISO_Ant2_5240



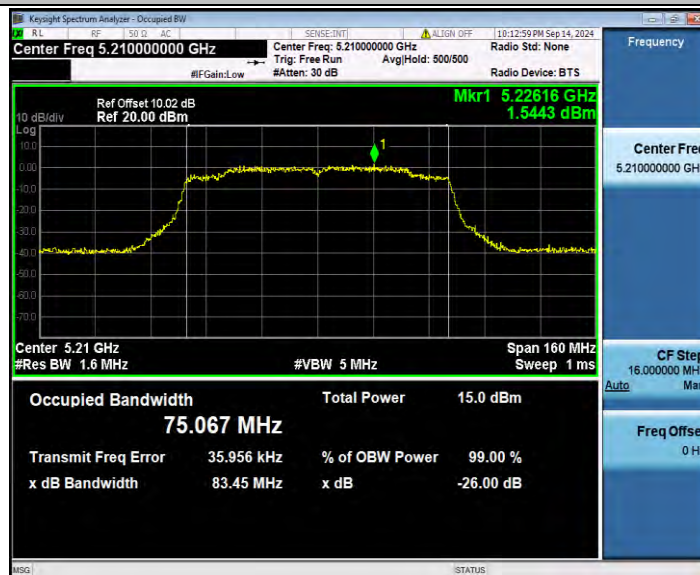
11AC40SISO_Ant2_5190



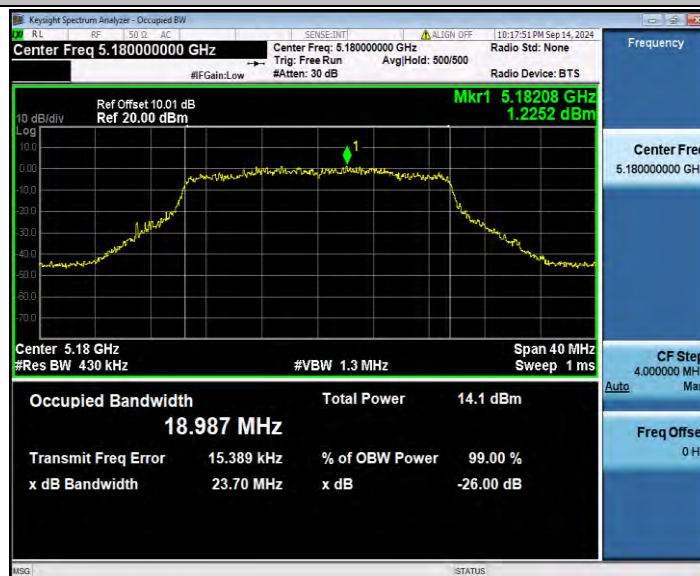
11AC40SISO_Ant2_5230

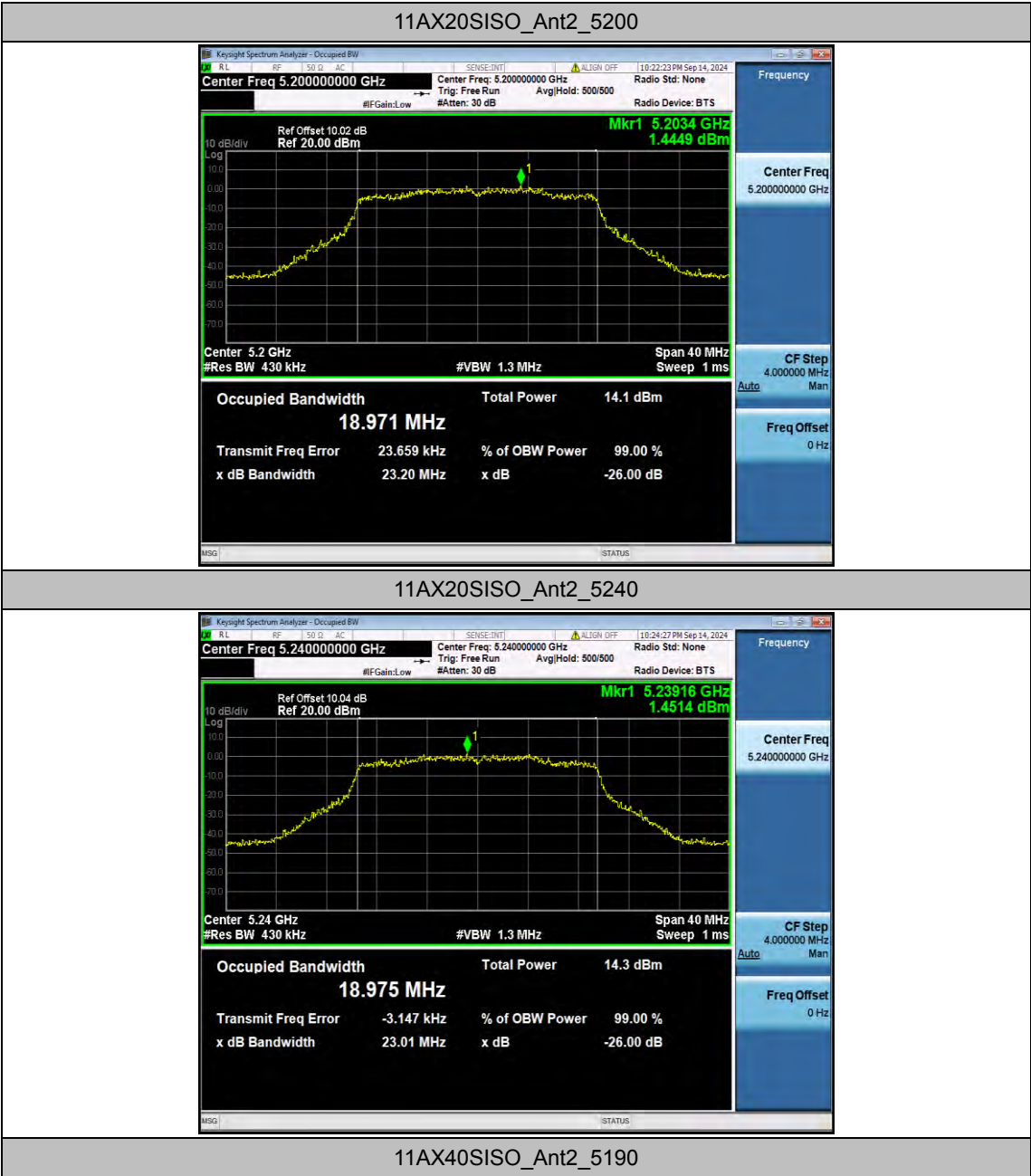


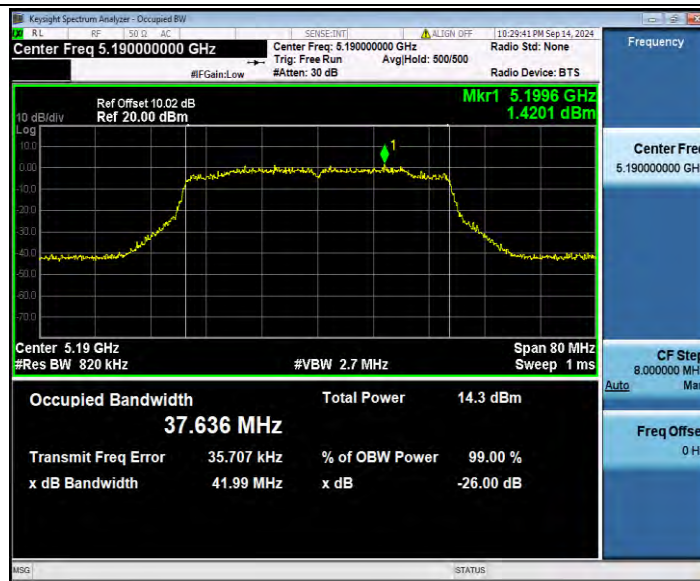
11AC80SISO_Ant2_5210



11AX20SISO_Ant2_5180



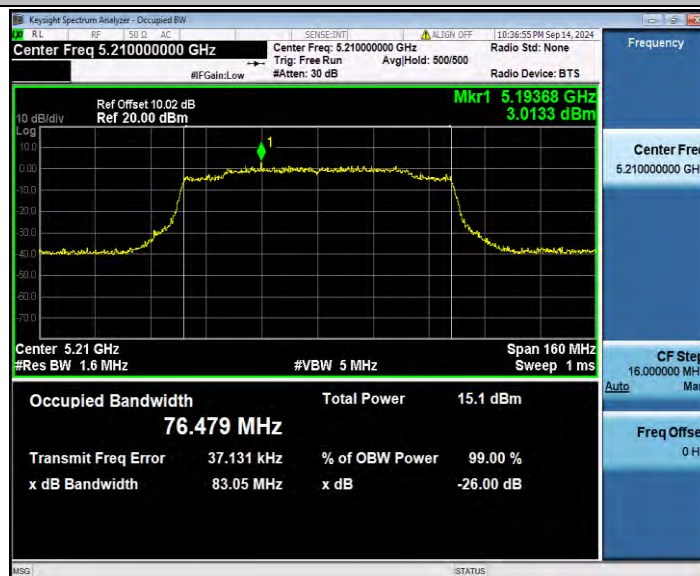




11AX40SISO_Ant2_5230



11AX80SISO_Ant2_5210



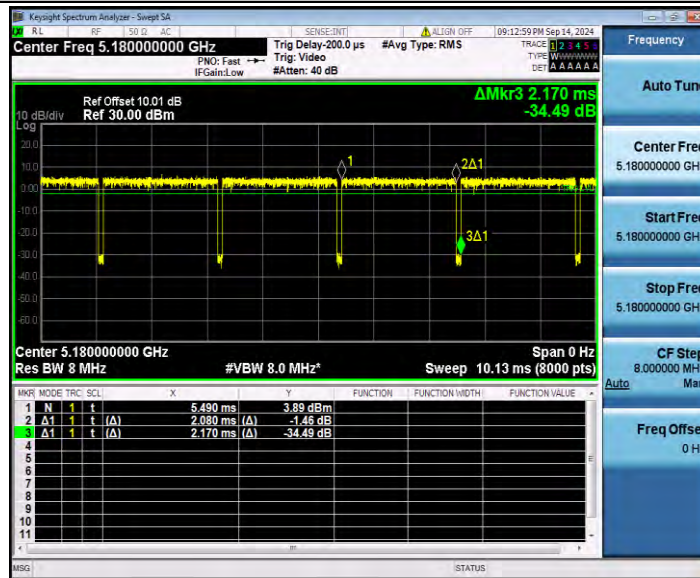
Appendix D.3: Duty Cycle

Test Result

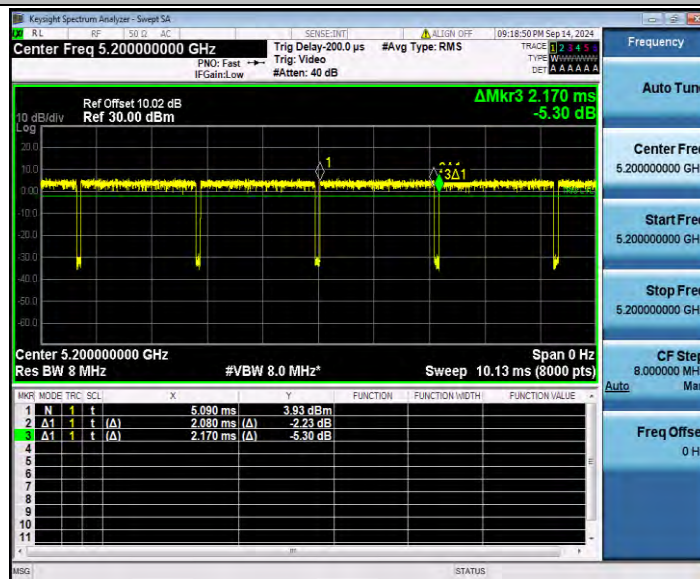
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5180	2.08	2.17	95.85	0.18	0.48
		5200	2.08	2.17	95.85	0.18	0.48
		5240	2.09	2.18	95.87	0.18	0.48
11N20SISO	Ant2	5180	7.93	8.02	98.88	0.05	0.13
		5200	7.93	8.02	98.88	0.05	0.13
		5240	7.93	8.02	98.88	0.05	0.13
11N40SISO	Ant2	5190	7.94	8.03	98.88	0.05	0.13
		5230	7.94	8.02	99.00	0.04	0.13
11AC20SISO	Ant2	5180	7.92	8.01	98.88	0.05	0.13
		5200	7.92	8.01	98.88	0.05	0.13
		5240	7.92	8.01	98.88	0.05	0.13
11AC40SISO	Ant2	5190	7.91	8.00	98.88	0.05	0.13
		5230	7.91	7.99	99.00	0.04	0.13
11AC80SISO	Ant2	5210	7.93	8.02	98.88	0.05	0.13
11AX20SISO	Ant2	5180	7.91	8.00	98.88	0.05	0.13
		5200	7.92	8.01	98.88	0.05	0.13
		5240	7.92	8.00	99.00	0.04	0.13
11AX40SISO	Ant2	5190	7.93	8.01	99.00	0.04	0.13
		5230	7.93	8.01	99.00	0.04	0.13
11AX80SISO	Ant2	5210	7.92	8.01	98.88	0.05	0.13

Test Graphs

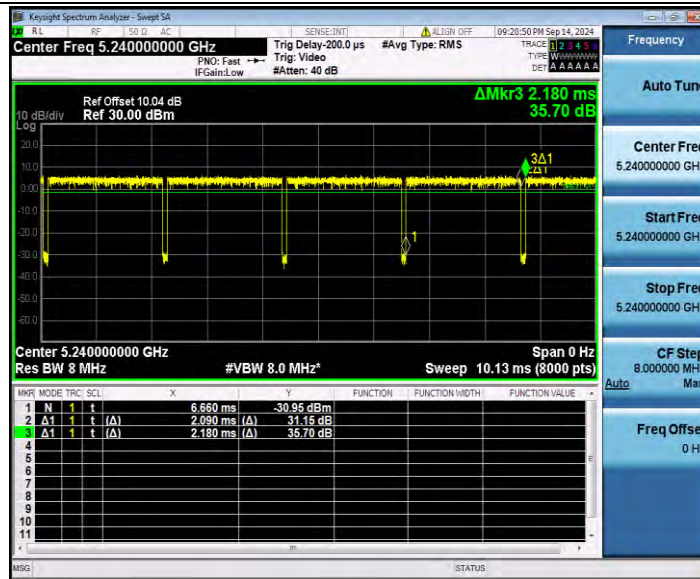
11A_Ant2_5180



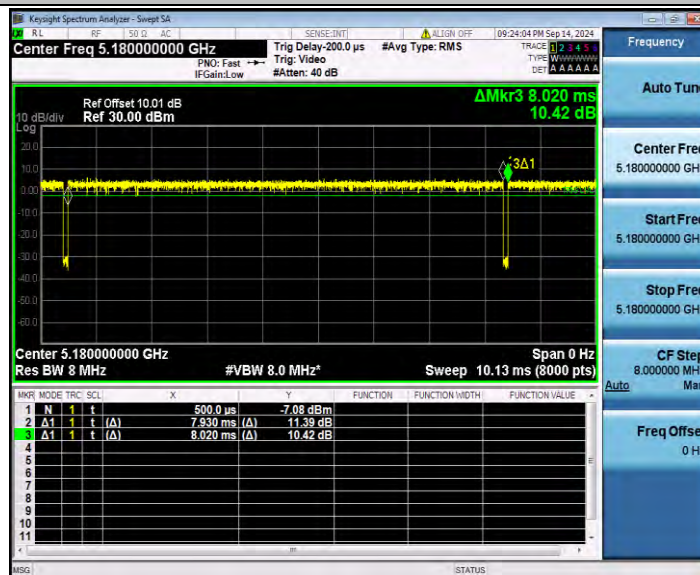
11A_Ant2_5200



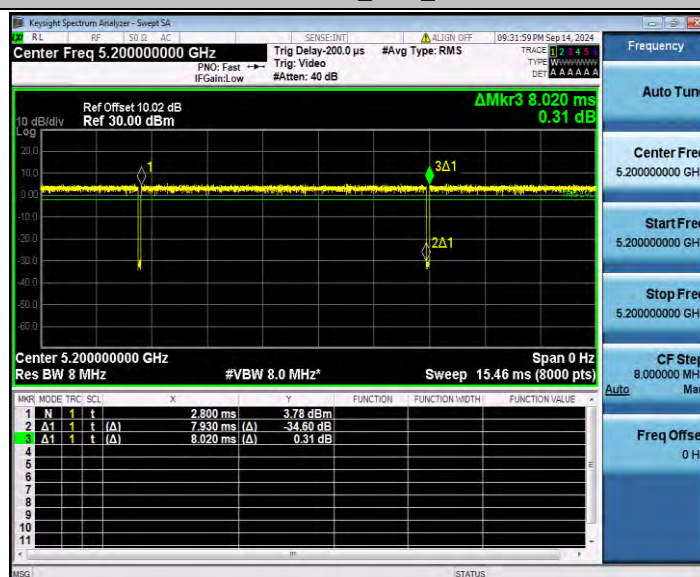
11A_Ant2_5240

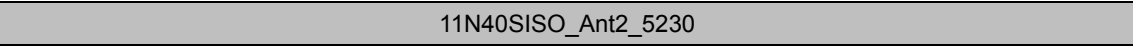
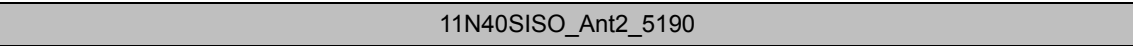


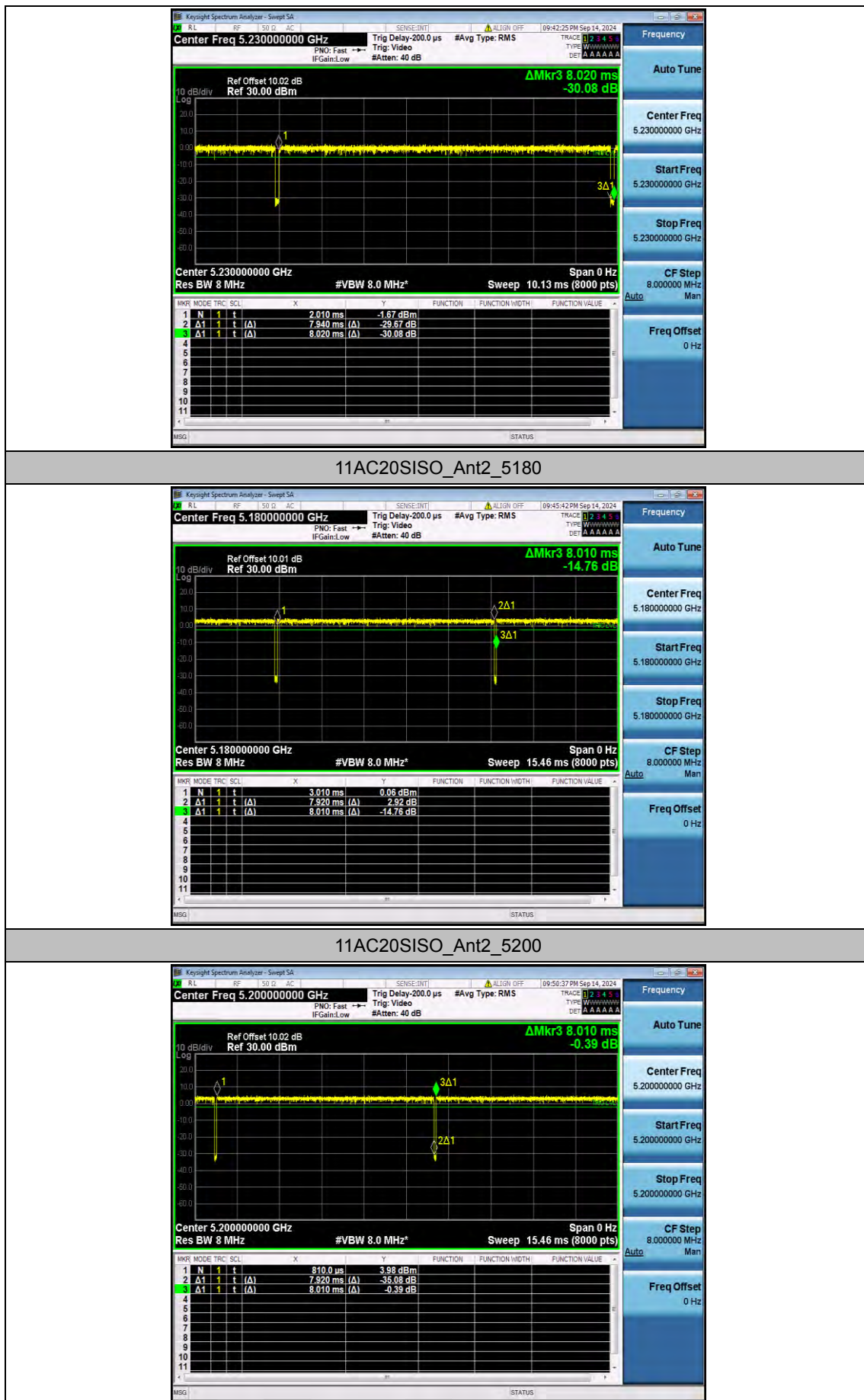
11N20SISO_Ant2_5180



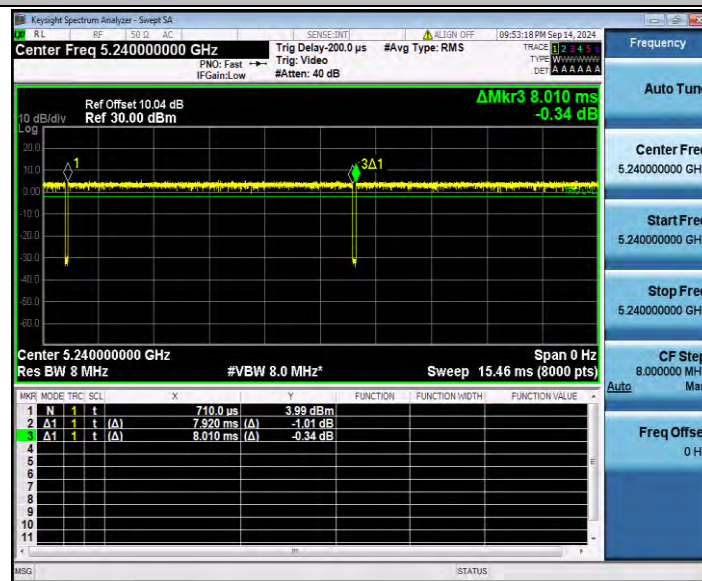
11N20SISO_Ant2_5200



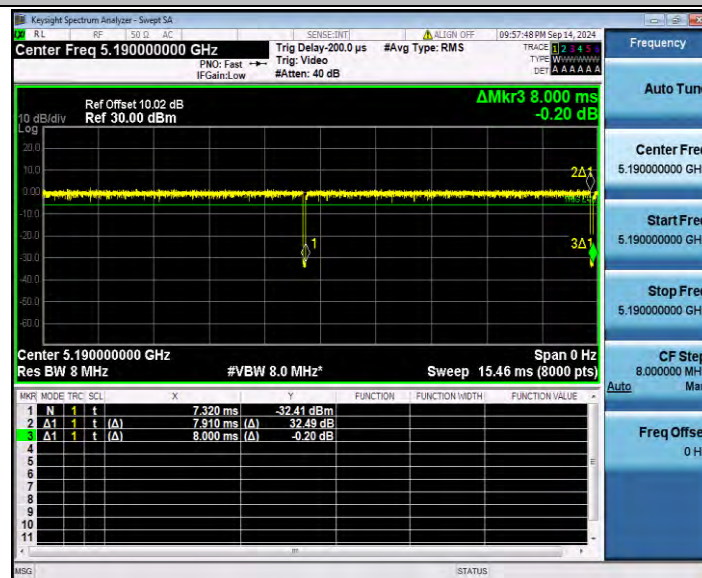




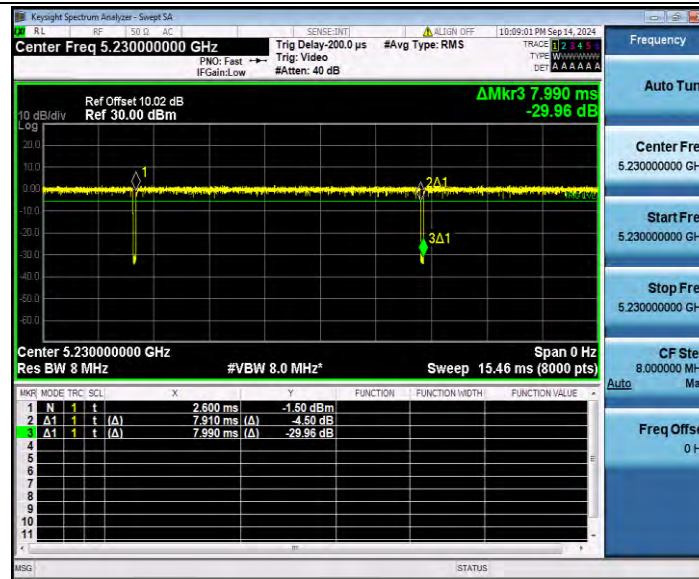
11AC20SISO_Ant2_5240



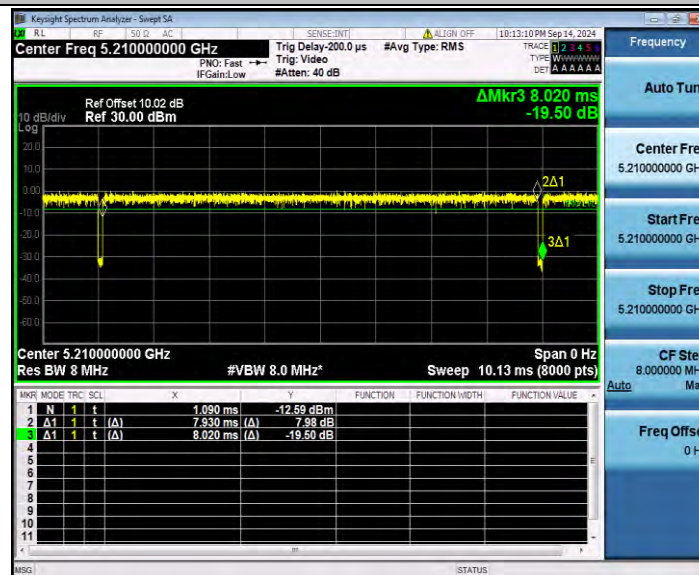
11AC40SISO_Ant2_5190



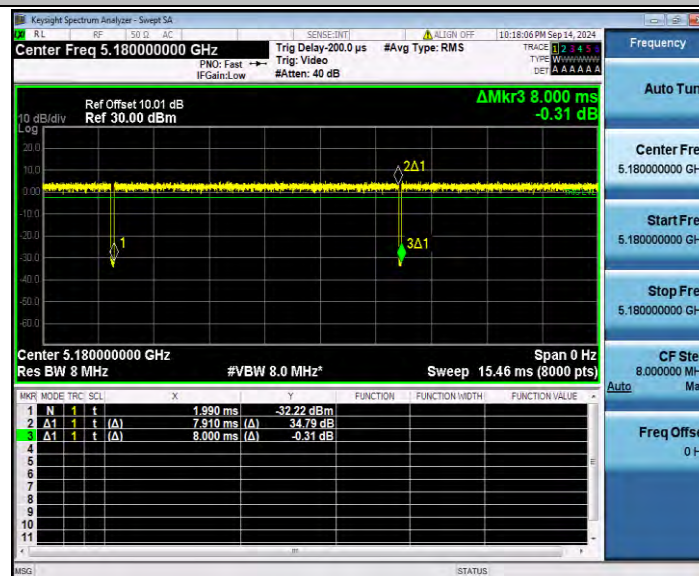
11AC40SISO_Ant2_5230

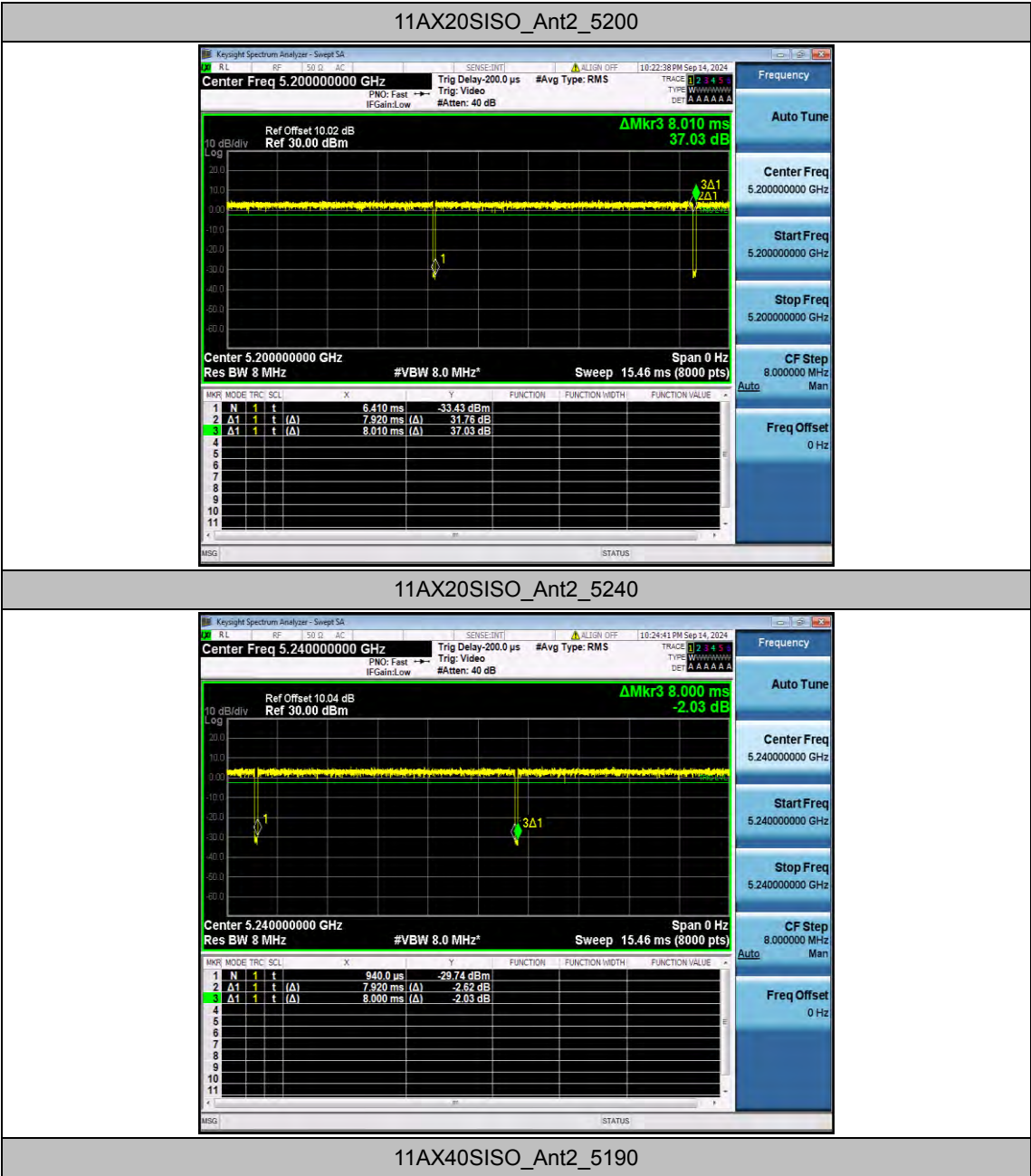


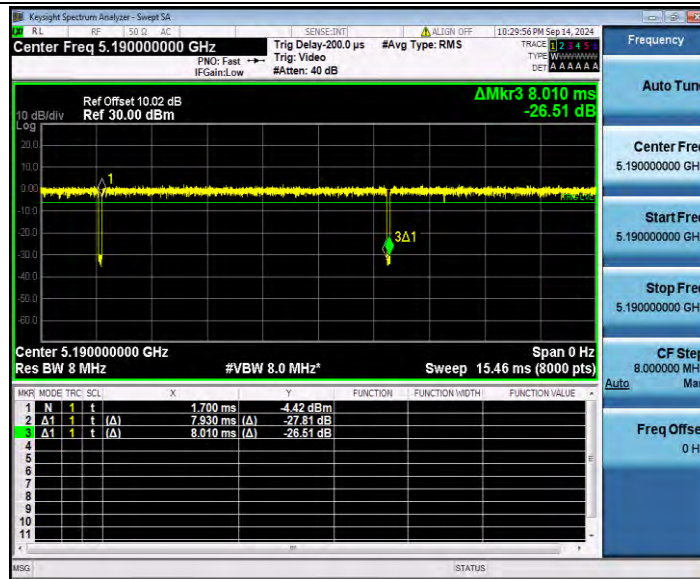
11AC80SISO_Ant2_5210



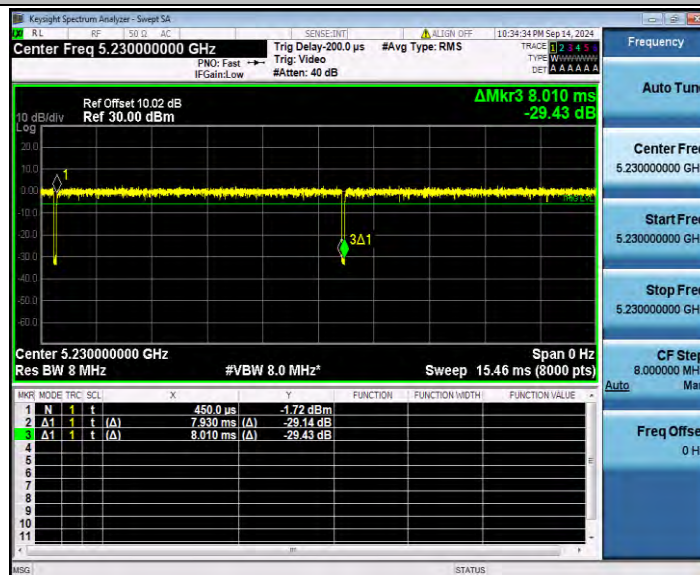
11AX20SISO_Ant2_5180







11AX40SISO_Ant2_5230



11AX80SISO_Ant2_5210

