

Case No. : <u>CTA24103100104</u>	
Ambient Condition: <u>22</u> °C, <u>53</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.9.10</u>	Test Engineer: <u>Lushan Kong</u>

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	24.640	5487.680	5512.320	---	---
		5580	24.640	5567.560	5592.200	---	---
		5700	26.920	5686.400	5713.320	---	---
11N20SISO	Ant1	5500	26.760	5486.400	5513.160	---	---
		5580	26.880	5566.800	5593.680	---	---
		5700	28.880	5687.000	5715.880	---	---
11N40SISO	Ant1	5510	48.240	5486.720	5534.960	---	---
		5590	47.440	5567.360	5614.800	---	---
		5670	47.600	5646.400	5694.000	---	---
11AC20SISO	Ant1	5500	26.040	5487.240	5513.280	---	---
		5580	26.280	5566.800	5593.080	---	---
		5700	27.040	5686.520	5713.560	---	---
11AC40SISO	Ant1	5510	46.240	5486.960	5533.200	---	---
		5590	47.680	5567.040	5614.720	---	---
		5670	52.480	5646.560	5699.040	---	---
11AC80SISO	Ant1	5530	113.440	5477.840	5591.280	---	---
		5610	118.880	5562.320	5681.200	---	---
11AX20SISO	Ant1	5500	25.720	5487.360	5513.080	---	---
		5580	25.200	5567.760	5592.960	---	---
		5700	26.360	5687.520	5713.880	---	---
11AX40SISO	Ant1	5510	44.960	5488.160	5533.120	---	---
		5590	45.760	5568.000	5613.760	---	---
		5670	46.800	5646.560	5693.360	---	---
11AX80SISO	Ant1	5530	88.640	5486.800	5575.440	---	---
		5610	86.720	5567.440	5654.160	---	---

Test Graphs





11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



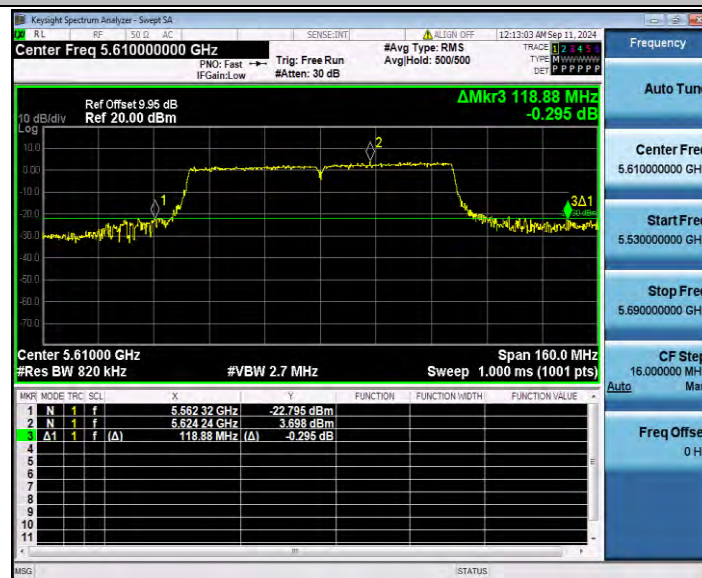
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



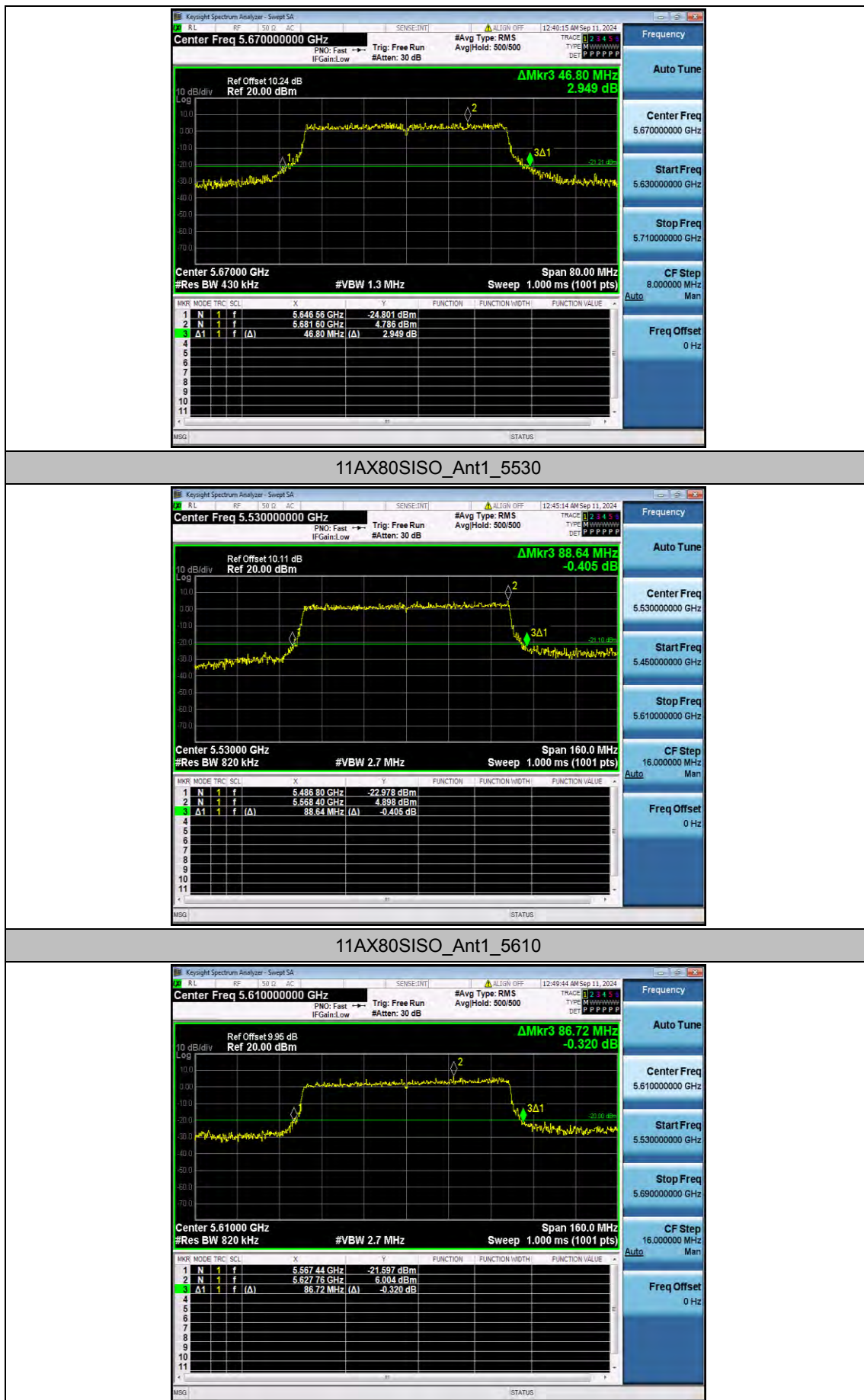
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11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

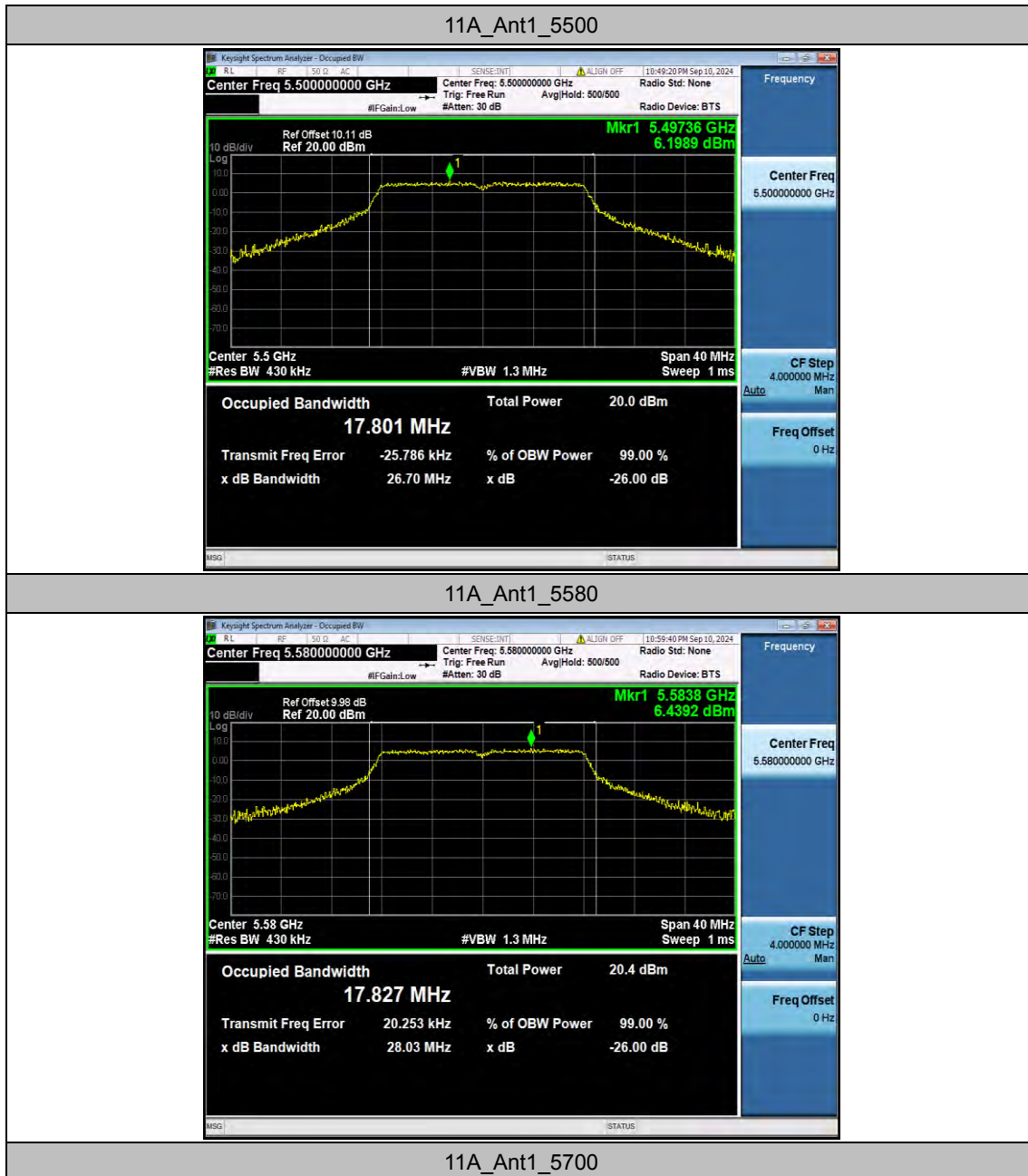


Appendix F.2: Occupied channel bandwidth

Test Result

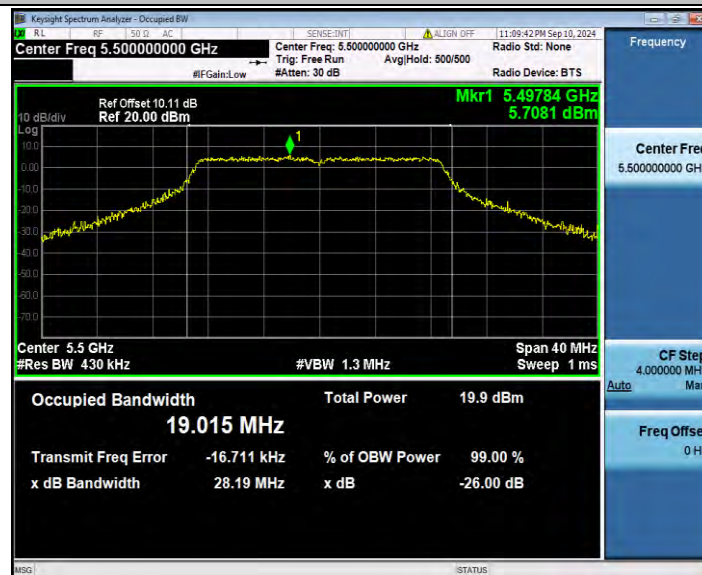
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	17.801	5491.0737	5508.8747	---	---
		5580	17.827	5571.1068	5588.9338	---	---
		5700	17.968	5690.9080	5708.8760	---	---
11N20SISO	Ant1	5500	19.015	5490.4758	5509.4908	---	---
		5580	19.077	5570.5049	5589.5819	---	---
		5700	18.984	5690.5472	5709.5312	---	---
11N40SISO	Ant1	5510	37.520	5491.3125	5528.8325	---	---
		5590	37.507	5571.4007	5608.9077	---	---
		5670	37.491	5651.2676	5688.7586	---	---
11AC20SISO	Ant1	5500	18.960	5490.5104	5509.4704	---	---
		5580	19.067	5570.5328	5589.5998	---	---
		5700	18.955	5690.5573	5709.5123	---	---
11AC40SISO	Ant1	5510	37.621	5491.2663	5528.8873	---	---
		5590	37.532	5571.3928	5608.9248	---	---
		5670	37.568	5651.3209	5688.8889	---	---
11AC80SISO	Ant1	5530	77.291	5491.7392	5569.0302	---	---
		5610	77.087	5571.8475	5648.9345	---	---
11AX20SISO	Ant1	5500	19.600	5490.2077	5509.8077	---	---
		5580	19.694	5570.1637	5589.8577	---	---
		5700	19.581	5690.1852	5709.7662	---	---
11AX40SISO	Ant1	5510	38.434	5490.7996	5529.2336	---	---
		5590	38.478	5570.8527	5609.3307	---	---
		5670	38.456	5650.8079	5689.2639	---	---
11AX80SISO	Ant1	5530	78.608	5490.8934	5569.5014	---	---
		5610	78.214	5571.2281	5649.4421	---	---

Test Graphs

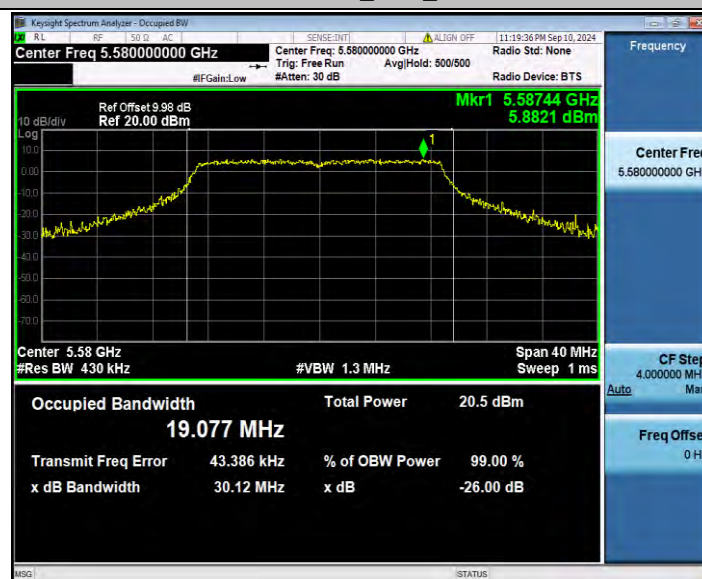




11N20SISO_Ant1_5500



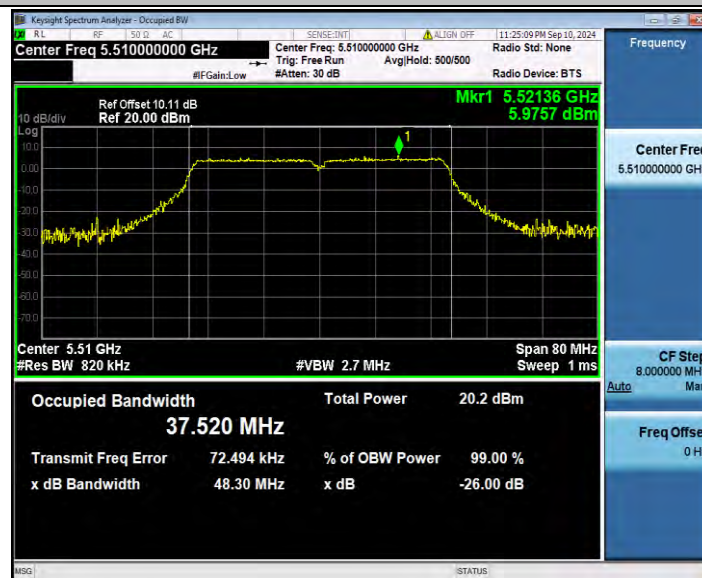
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11N20SISO_Ant1_5700



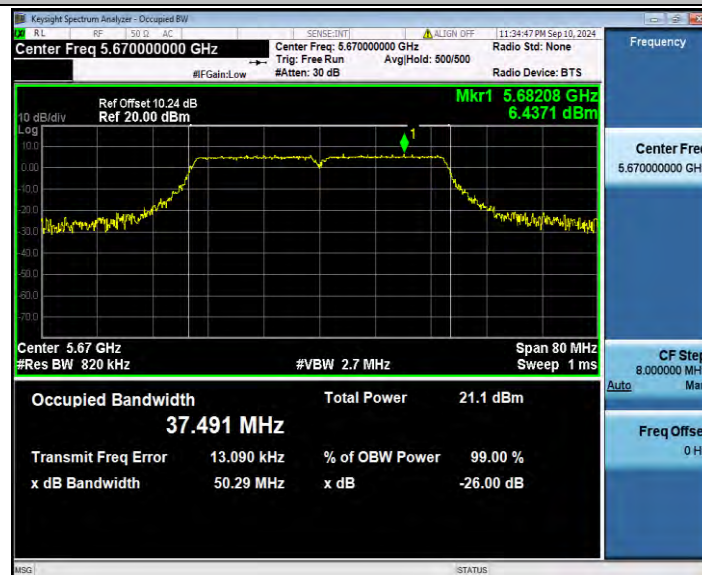
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11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



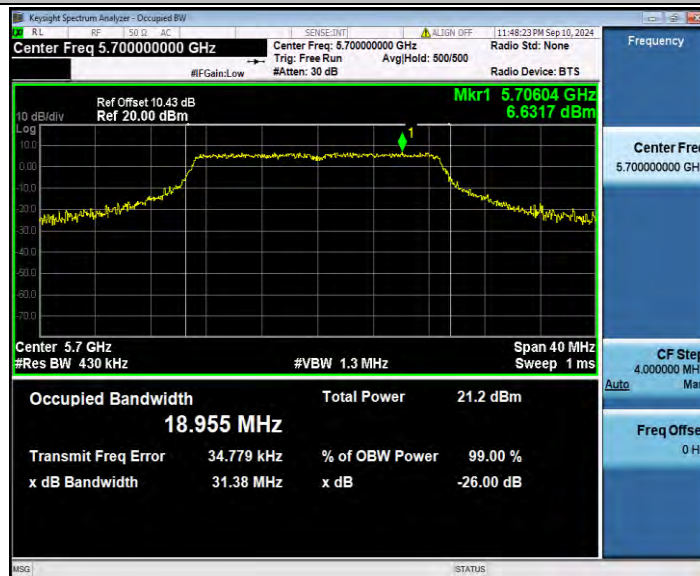
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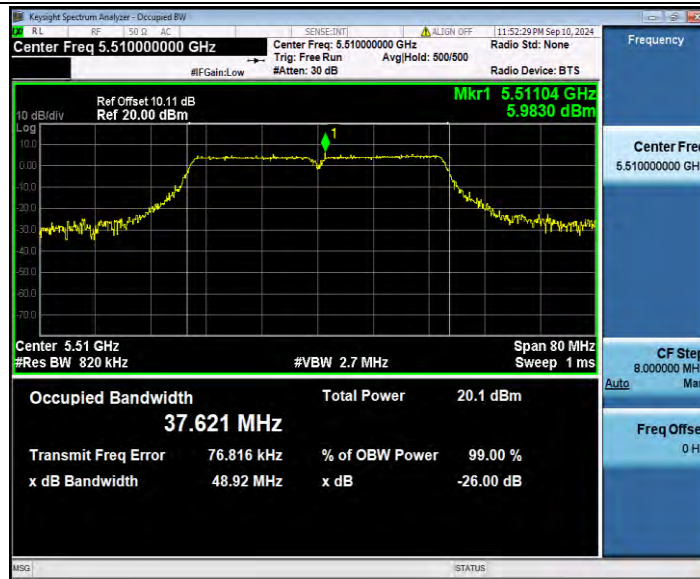
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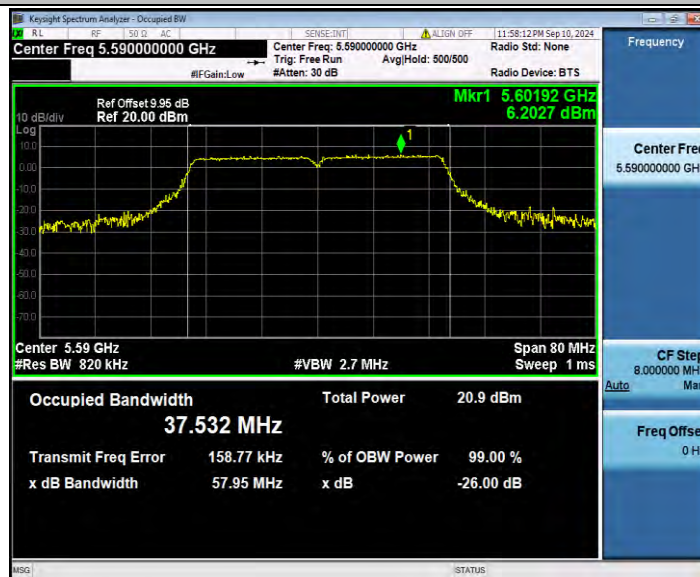
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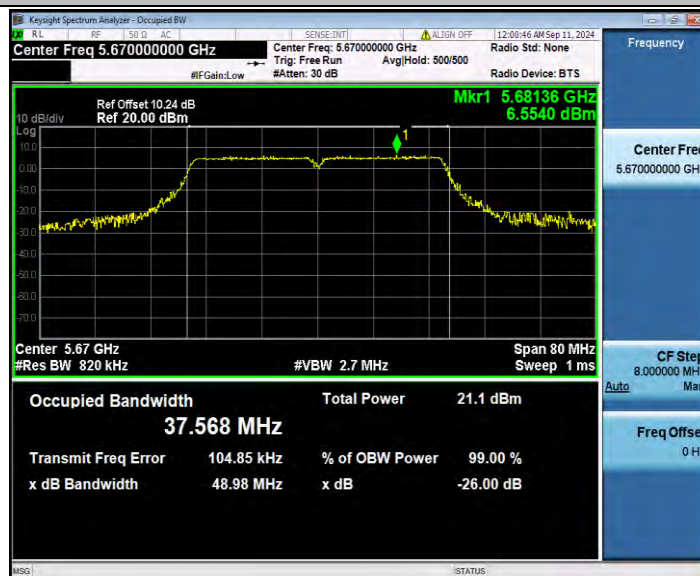
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11AC40SISO_Ant1_5590



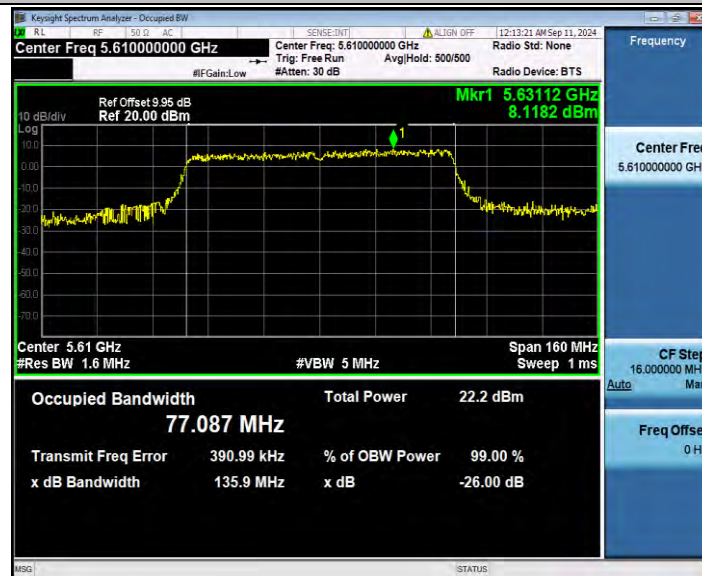
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11AC80SISO_Ant1_5530



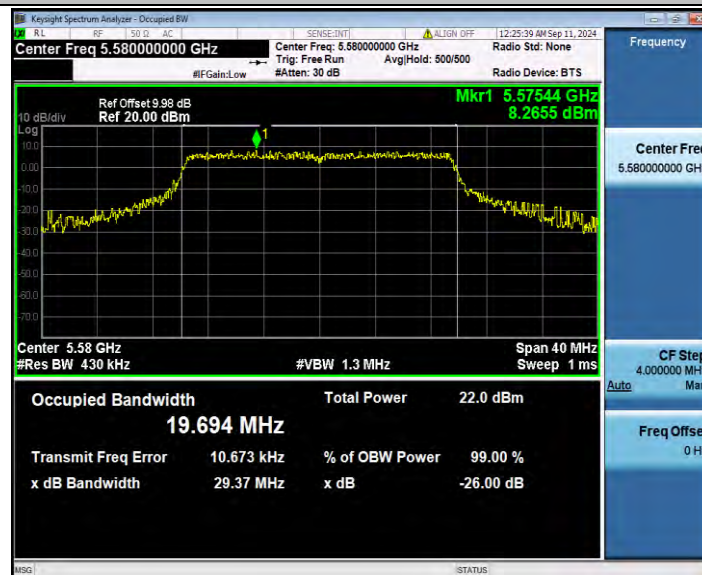
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



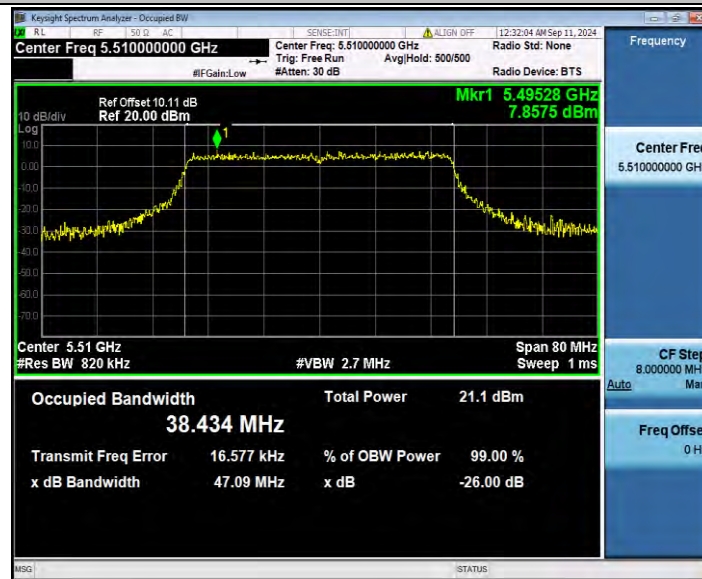
11AX20SISO_Ant1_5580



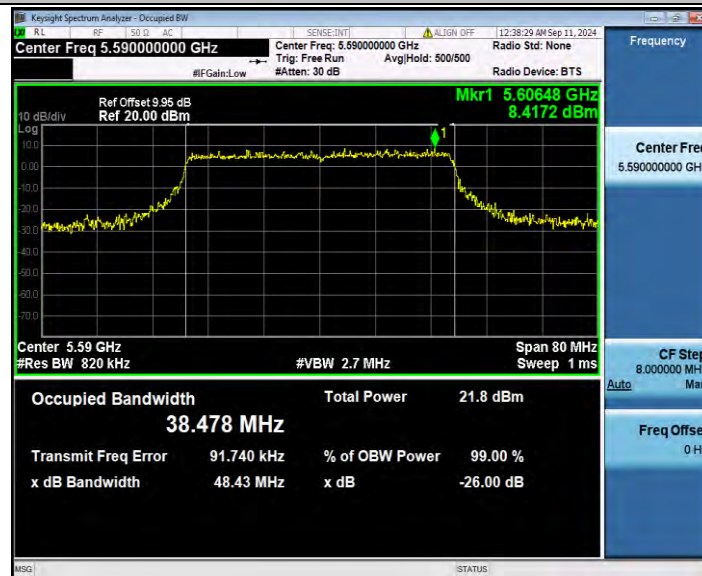
11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



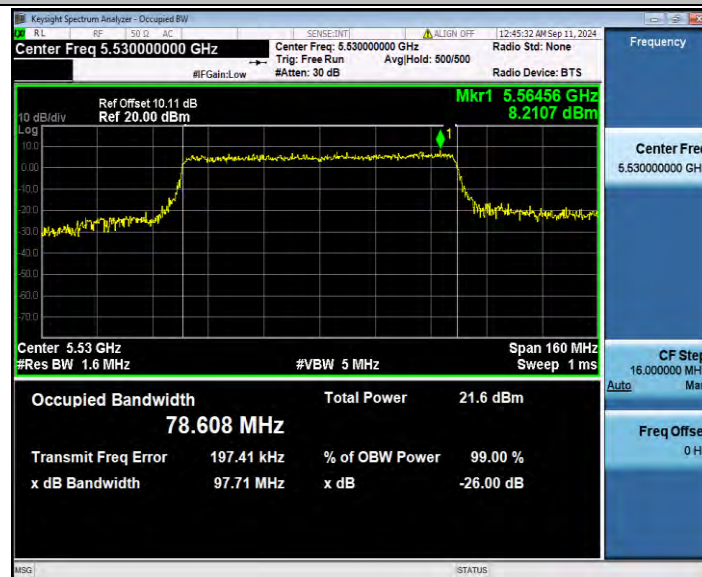
11AX40SISO_Ant1_5590



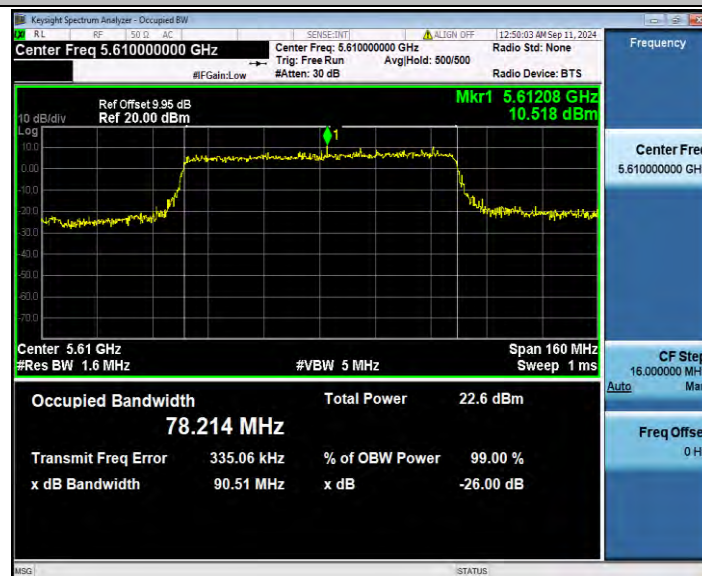
11AX40SISO_Ant1_5670



11AX80ISO_Ant1_5530



11AX80ISO_Ant1_5610

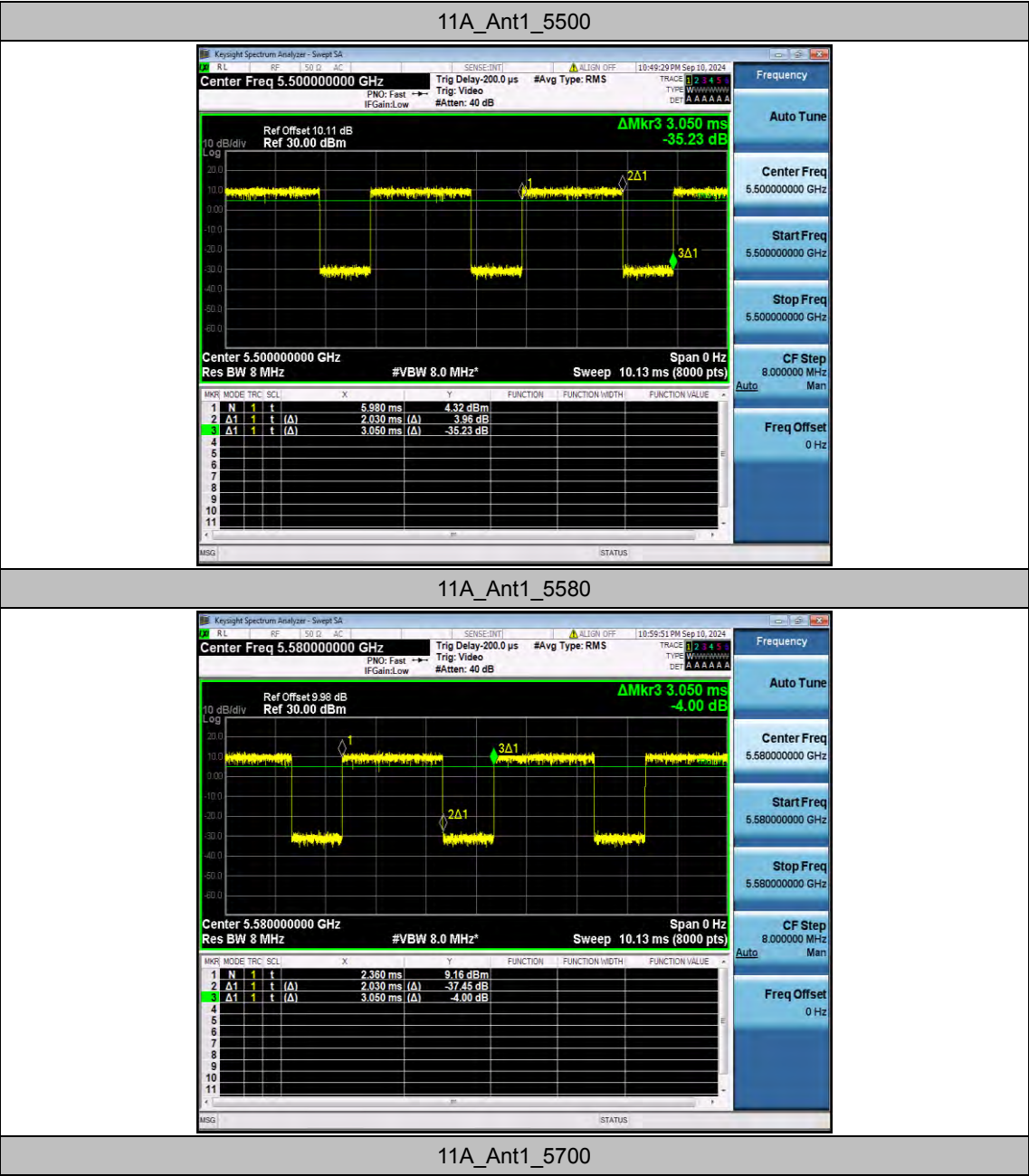


Appendix F.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.03	3.05	66.56	1.77	0.49
		5580	2.03	3.05	66.56	1.77	0.49
		5700	2.03	3.05	66.56	1.77	0.49
11N20SISO	Ant1	5500	1.89	2.91	64.95	1.87	0.53
		5580	1.90	2.92	65.07	1.87	0.53
		5700	1.89	2.91	64.95	1.87	0.53
11N40SISO	Ant1	5510	0.93	1.95	47.69	3.22	1.08
		5590	0.94	1.96	47.96	3.19	1.06
		5670	0.93	1.96	47.45	3.24	1.08
11AC20SISO	Ant1	5500	1.90	2.92	65.07	1.87	0.53
		5580	1.90	2.92	65.07	1.87	0.53
		5700	1.90	2.92	65.07	1.87	0.53
11AC40SISO	Ant1	5510	0.94	1.96	47.96	3.19	1.06
		5590	0.94	1.96	47.96	3.19	1.06
		5670	0.93	1.95	47.69	3.22	1.08
11AC80SISO	Ant1	5530	0.45	1.47	30.61	5.14	2.22
		5610	0.45	1.47	30.61	5.14	2.22
11AX20SISO	Ant1	5500	1.45	2.48	58.47	2.33	0.69
		5580	1.46	2.48	58.87	2.30	0.68
		5700	1.46	2.48	58.87	2.30	0.68
11AX40SISO	Ant1	5510	0.76	1.78	42.70	3.70	1.32
		5590	0.76	1.78	42.70	3.70	1.32
		5670	0.76	1.78	42.70	3.70	1.32
11AX80SISO	Ant1	5530	0.39	1.41	27.66	5.58	2.56
		5610	0.40	1.42	28.17	5.50	2.50

Test Graphs



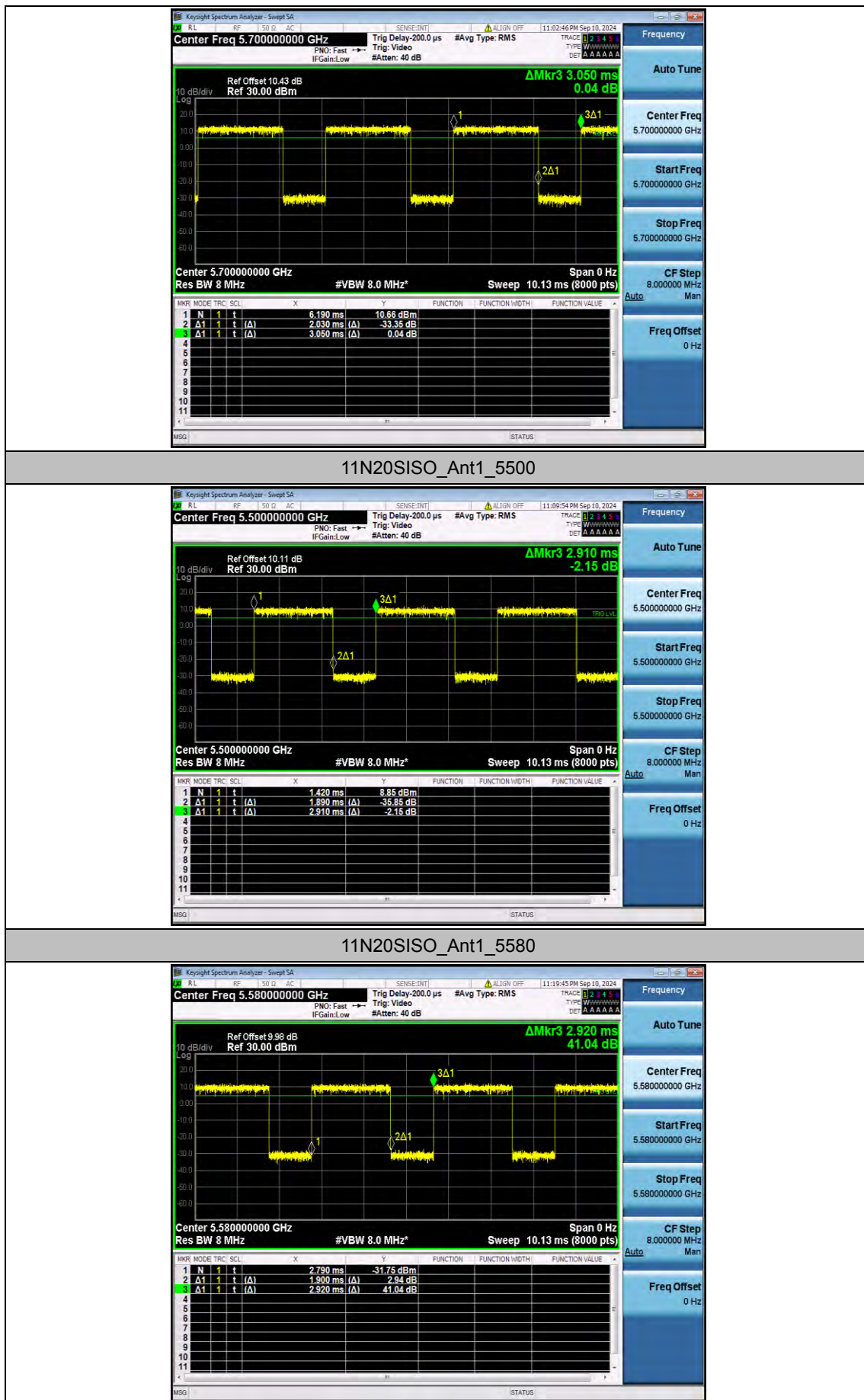
11A_Ant1_5580

Frequency

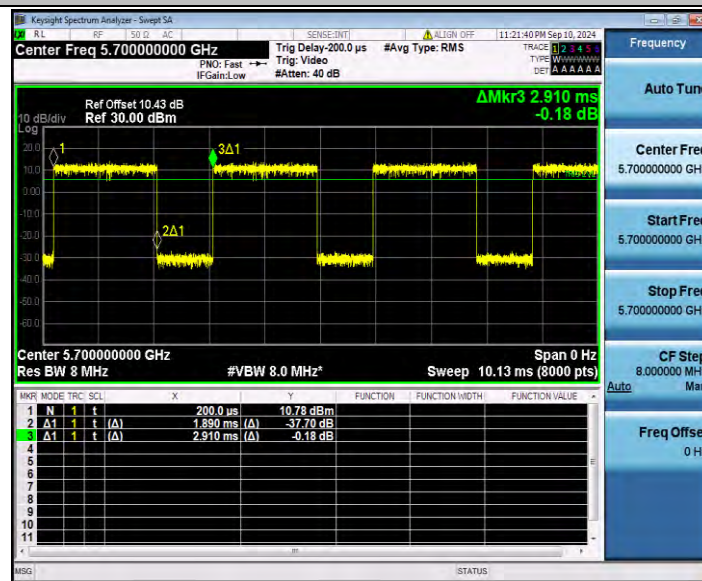
Auto Tune

Center Freq
5.580000000 GHzStart Freq
5.580000000 GHzStop Freq
5.580000000 GHzCF Step
8.000000000 MHzFreq Offset
0 Hz

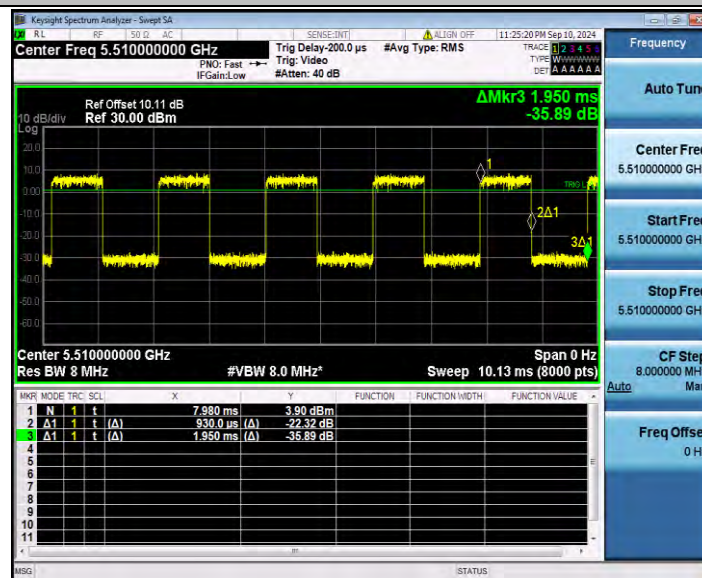
11A_Ant1_5700



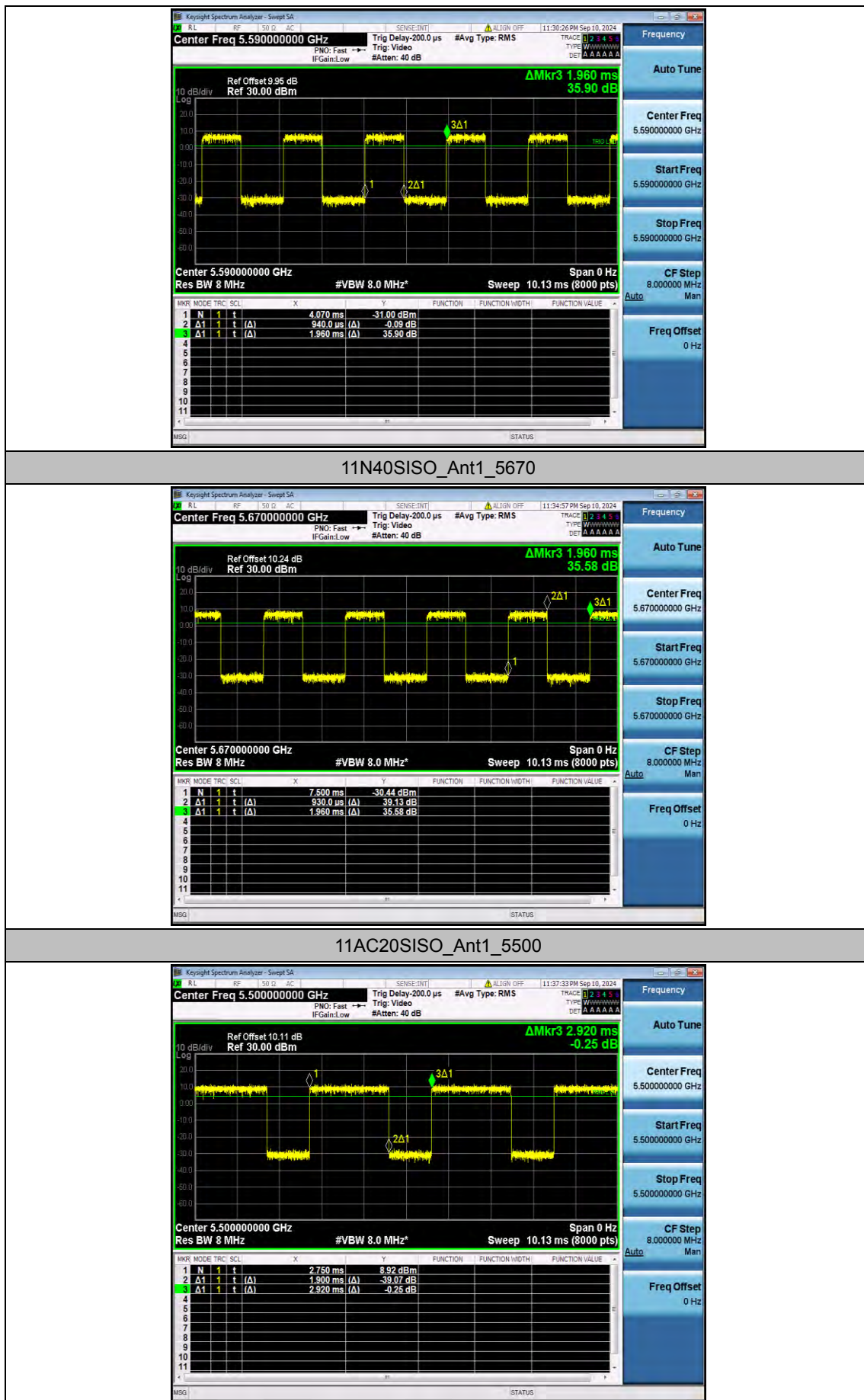
11N20SISO_Ant1_5700



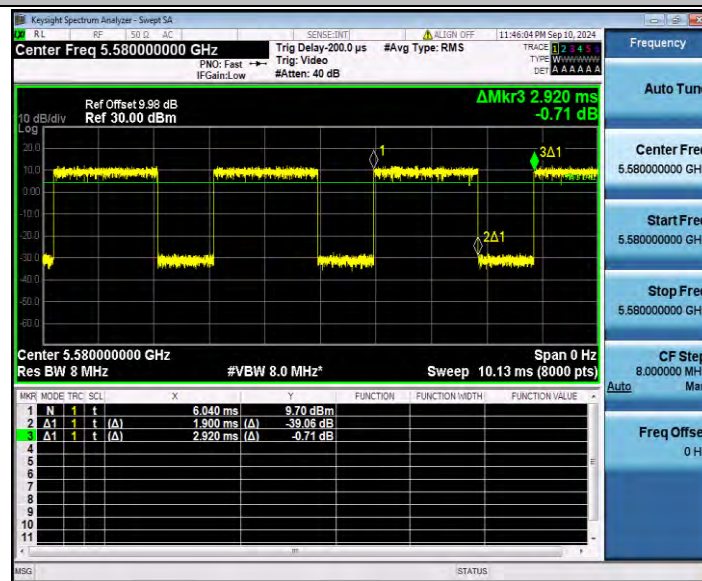
11N40SISO_Ant1_5510



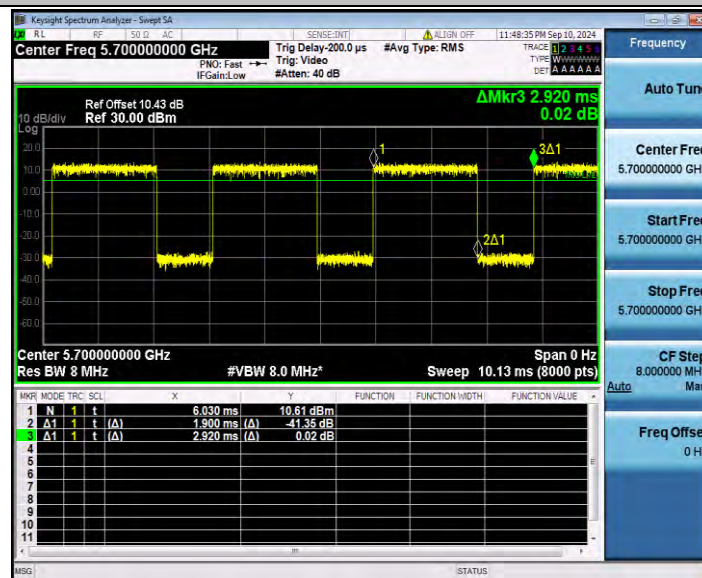
11N40SISO_Ant1_5590



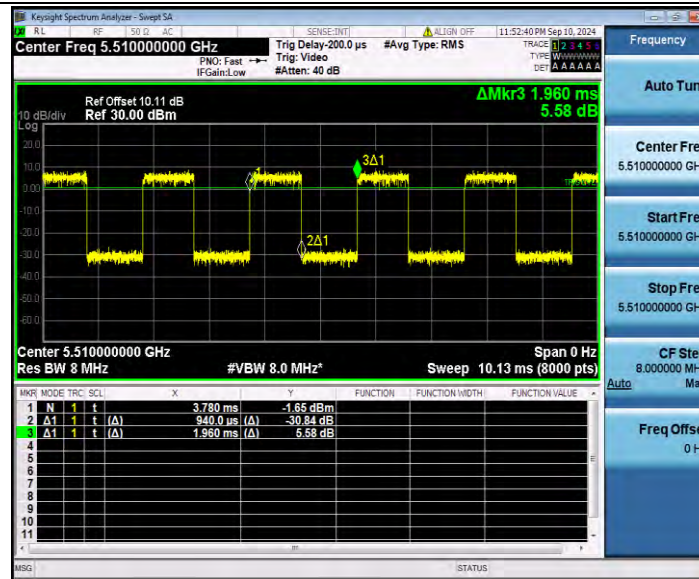
11AC20SISO_Ant1_5580



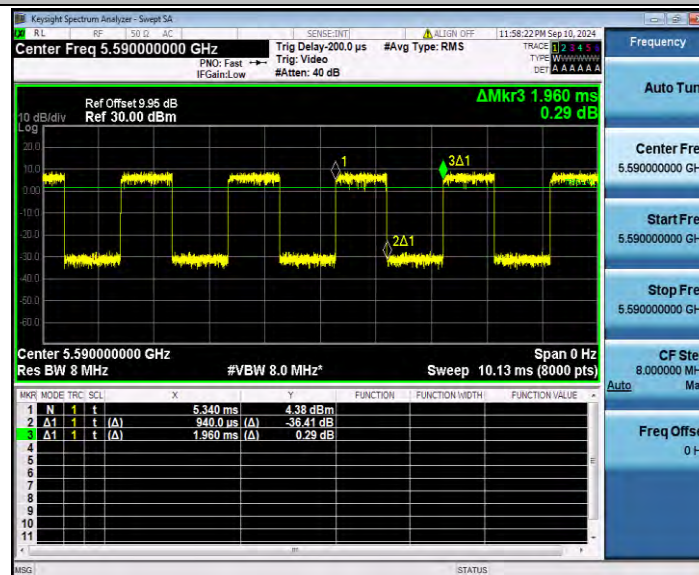
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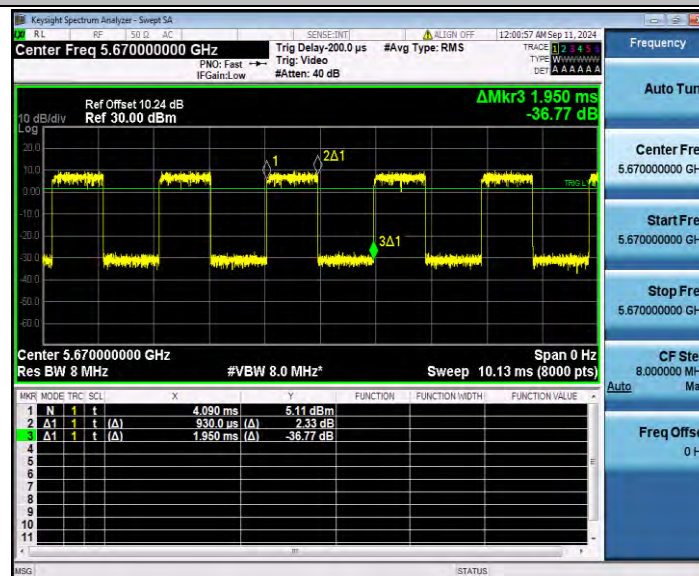
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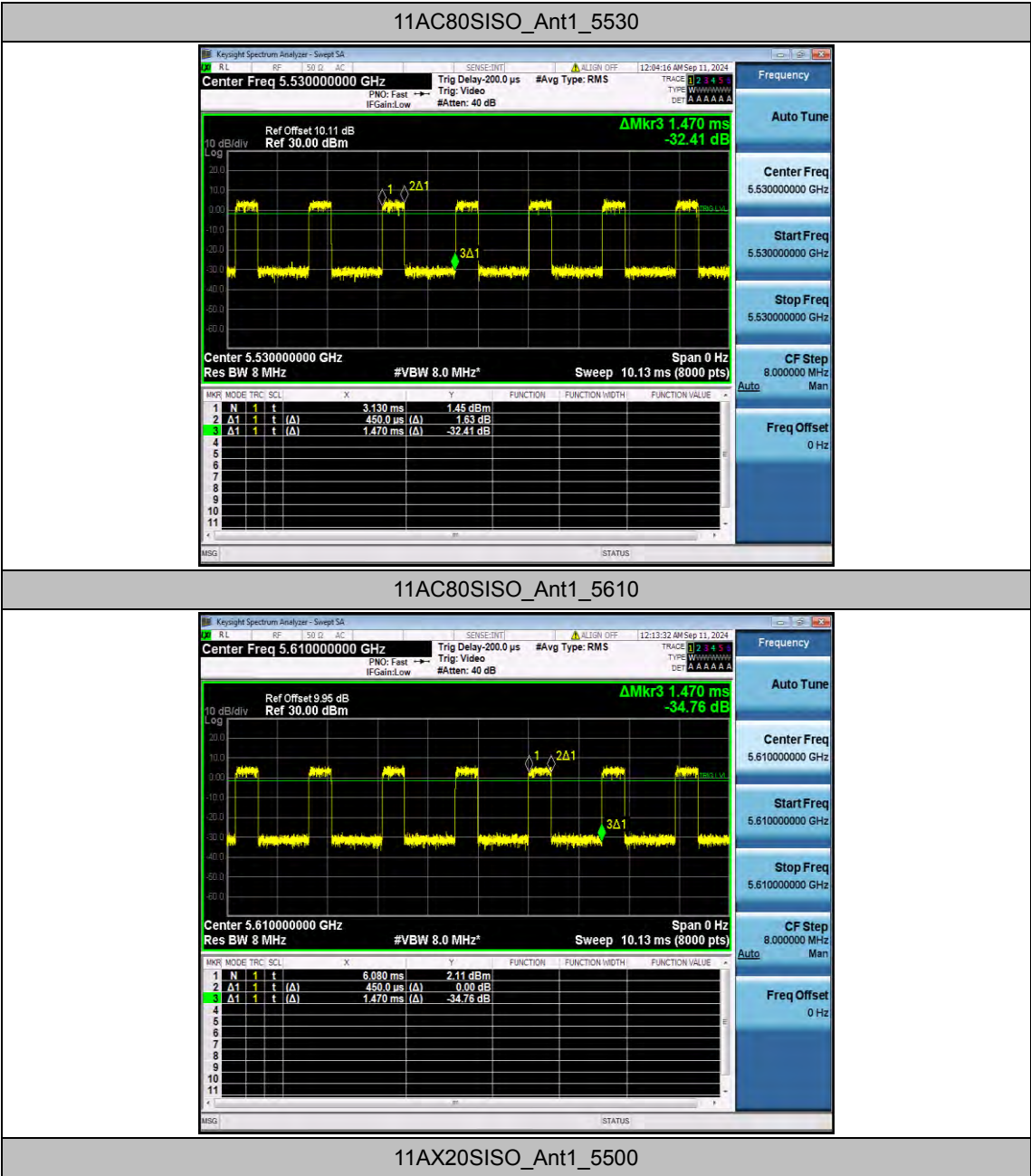


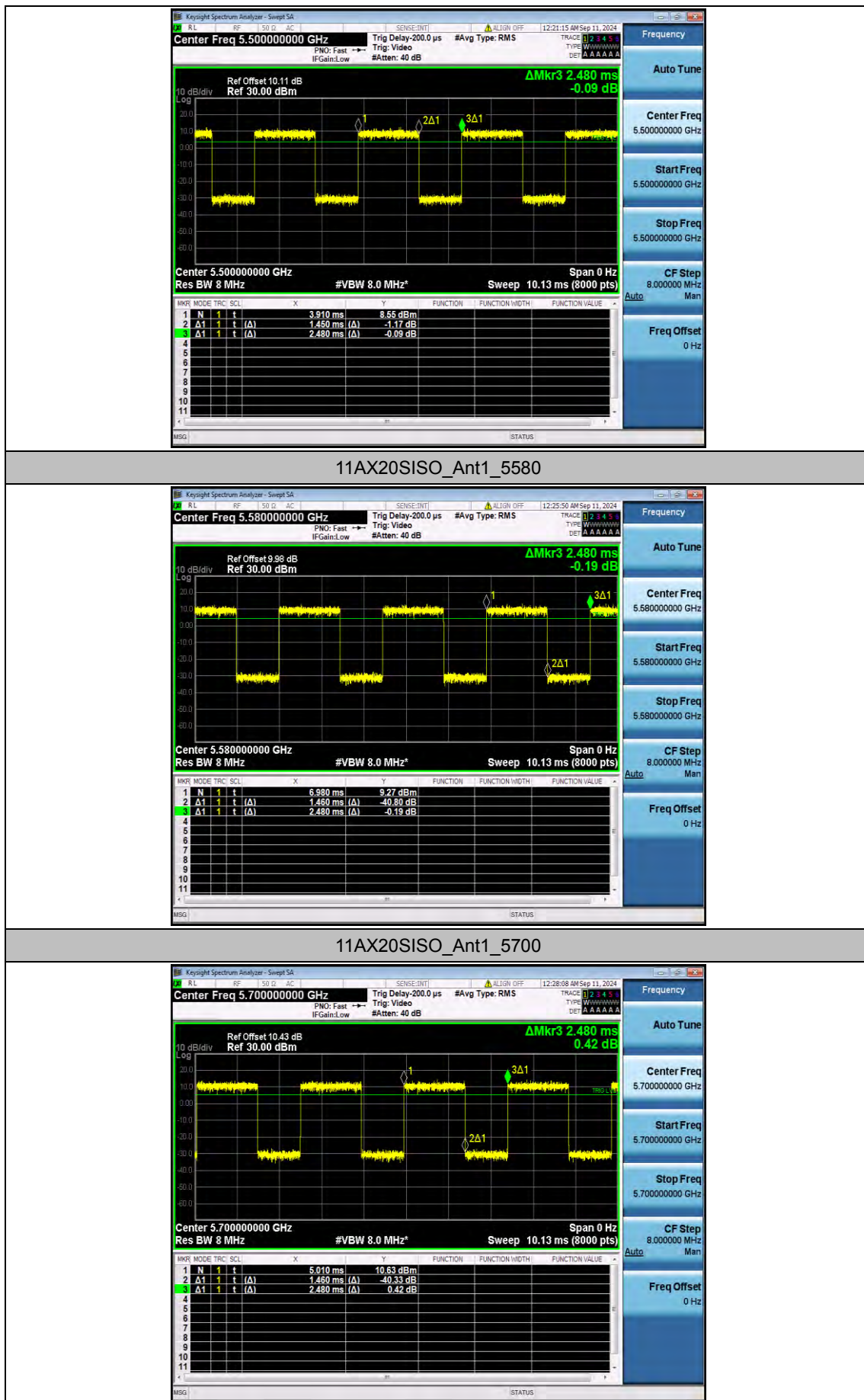
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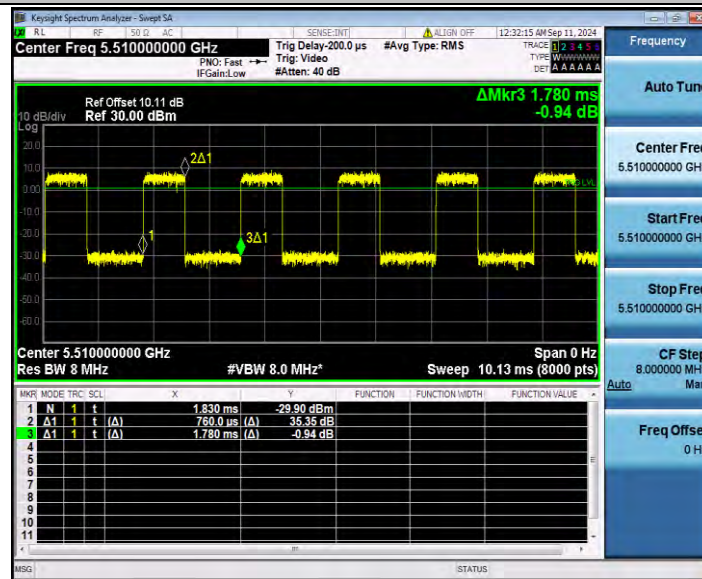
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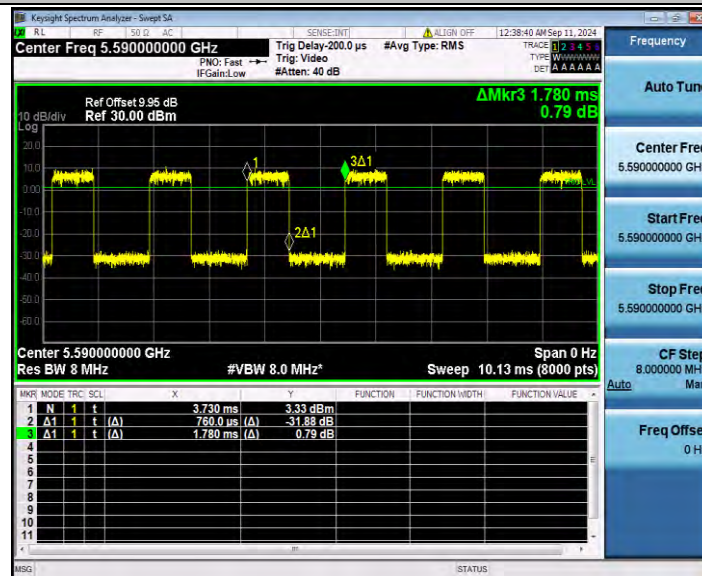




11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

