

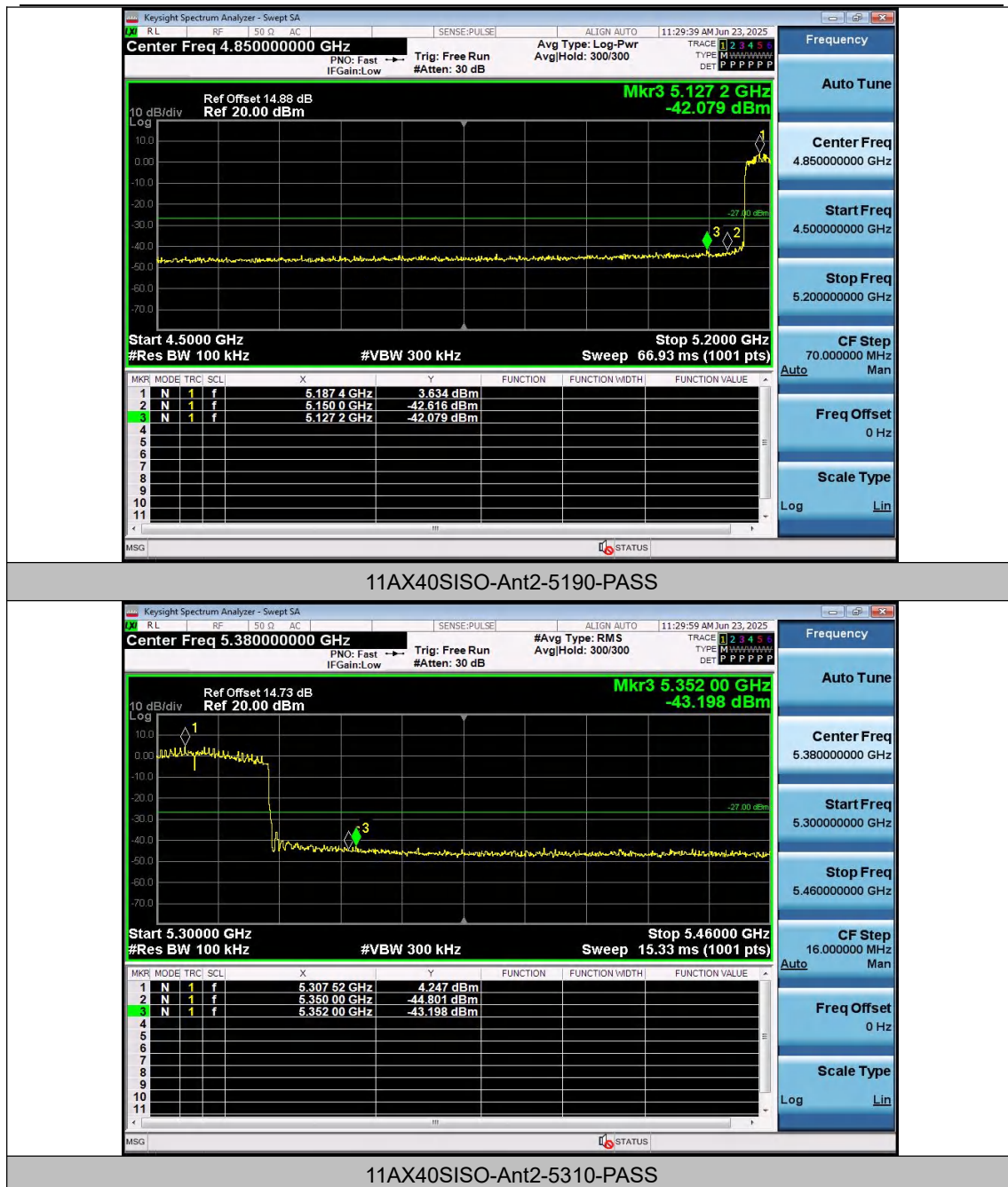


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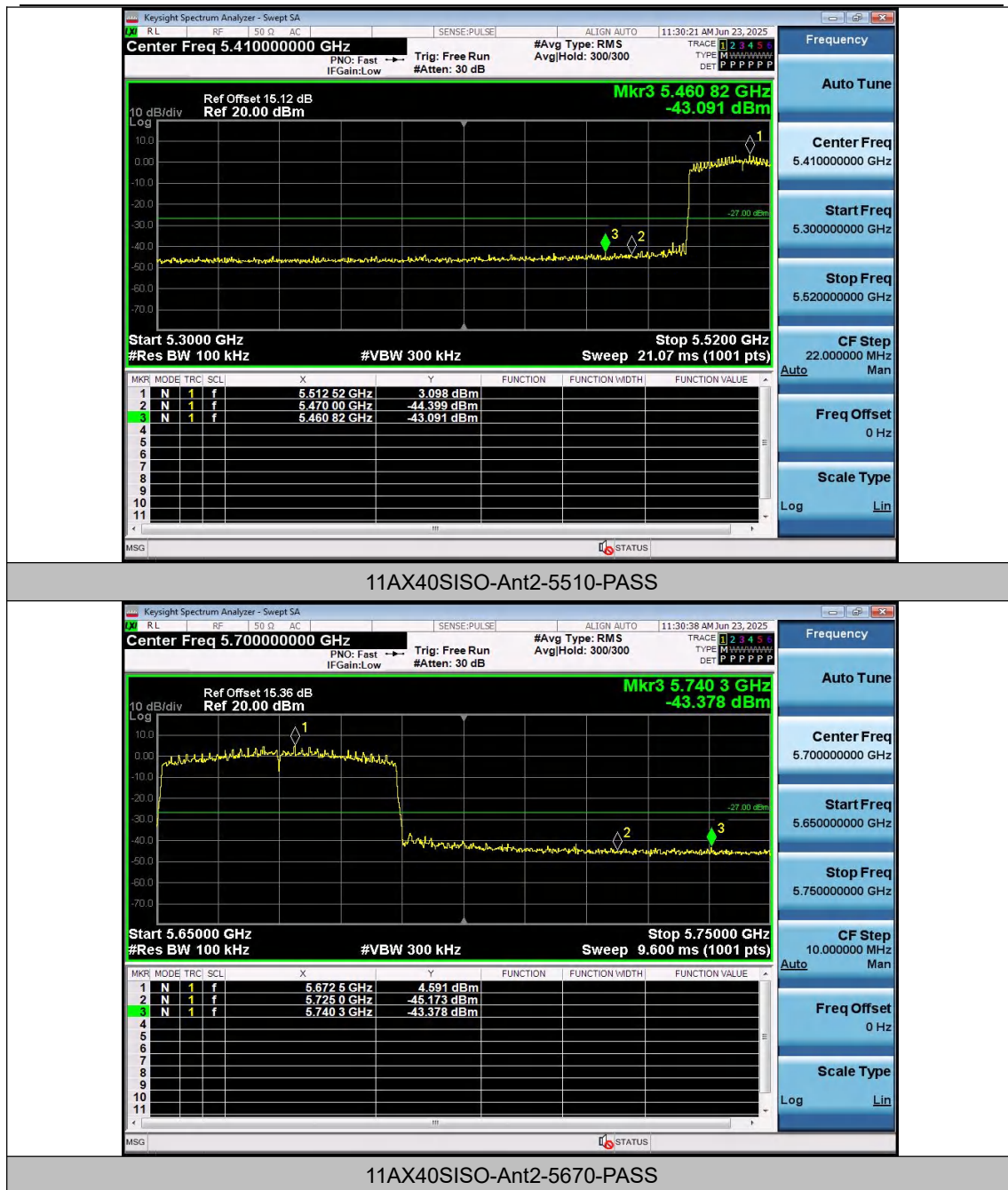


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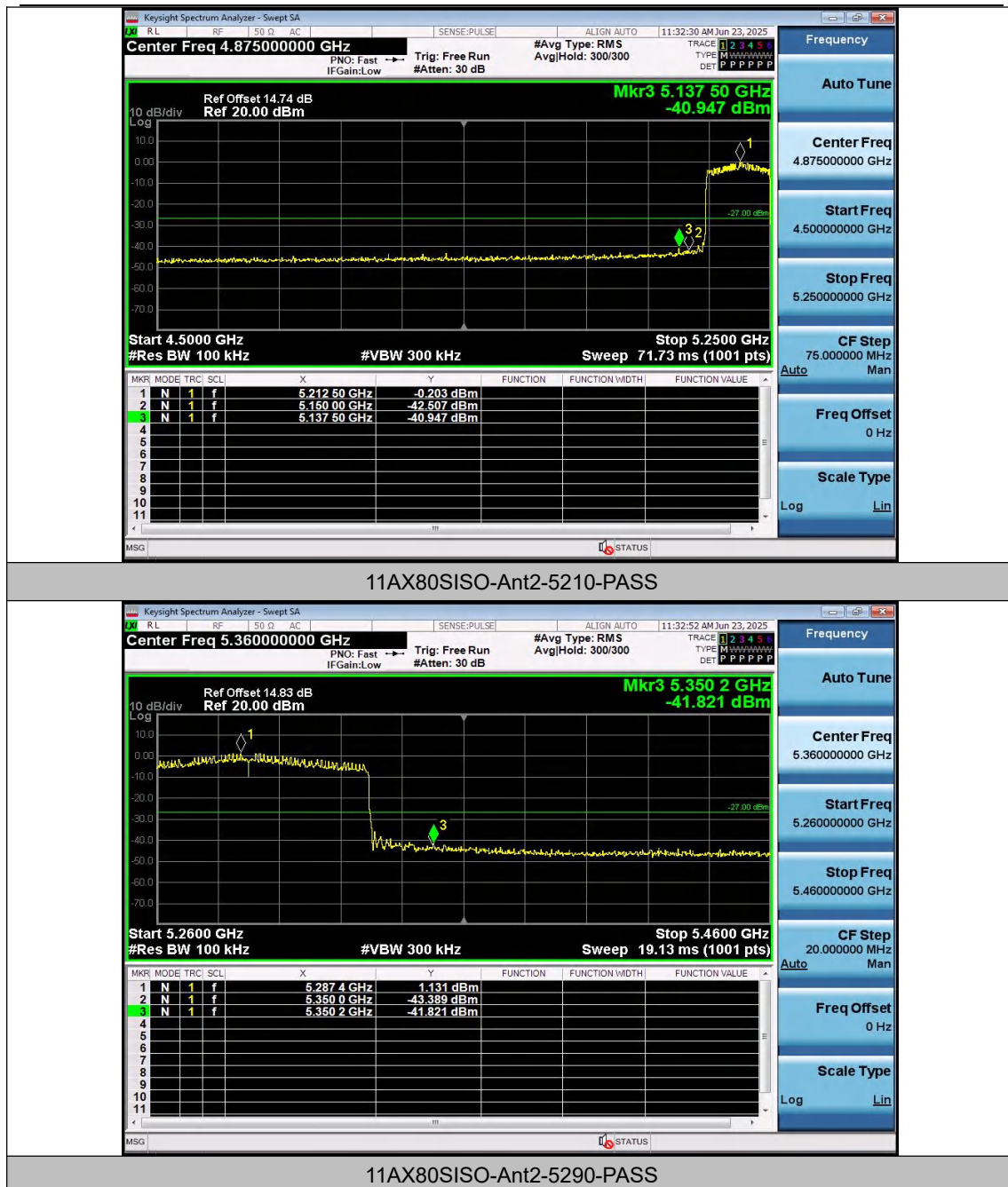


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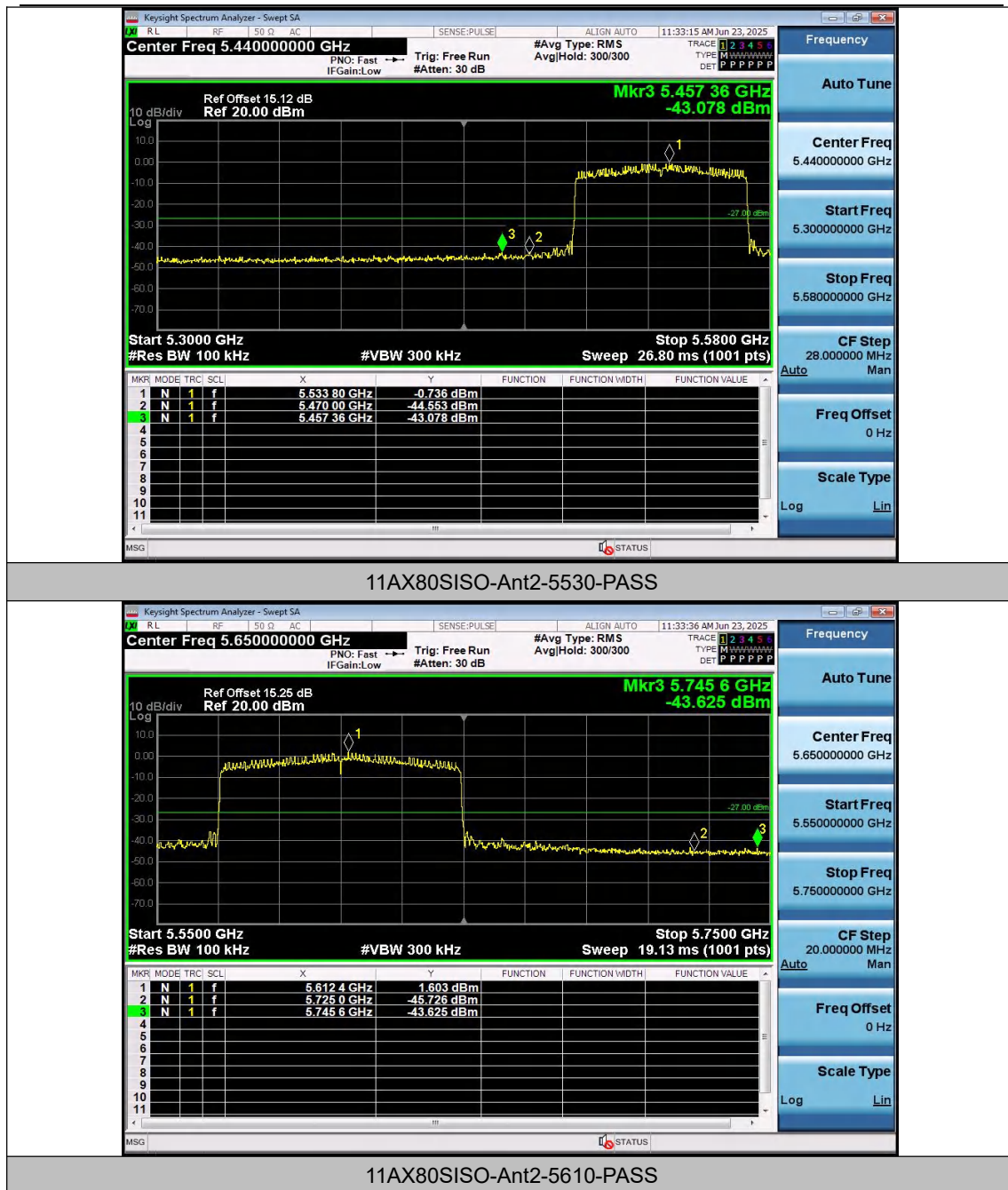


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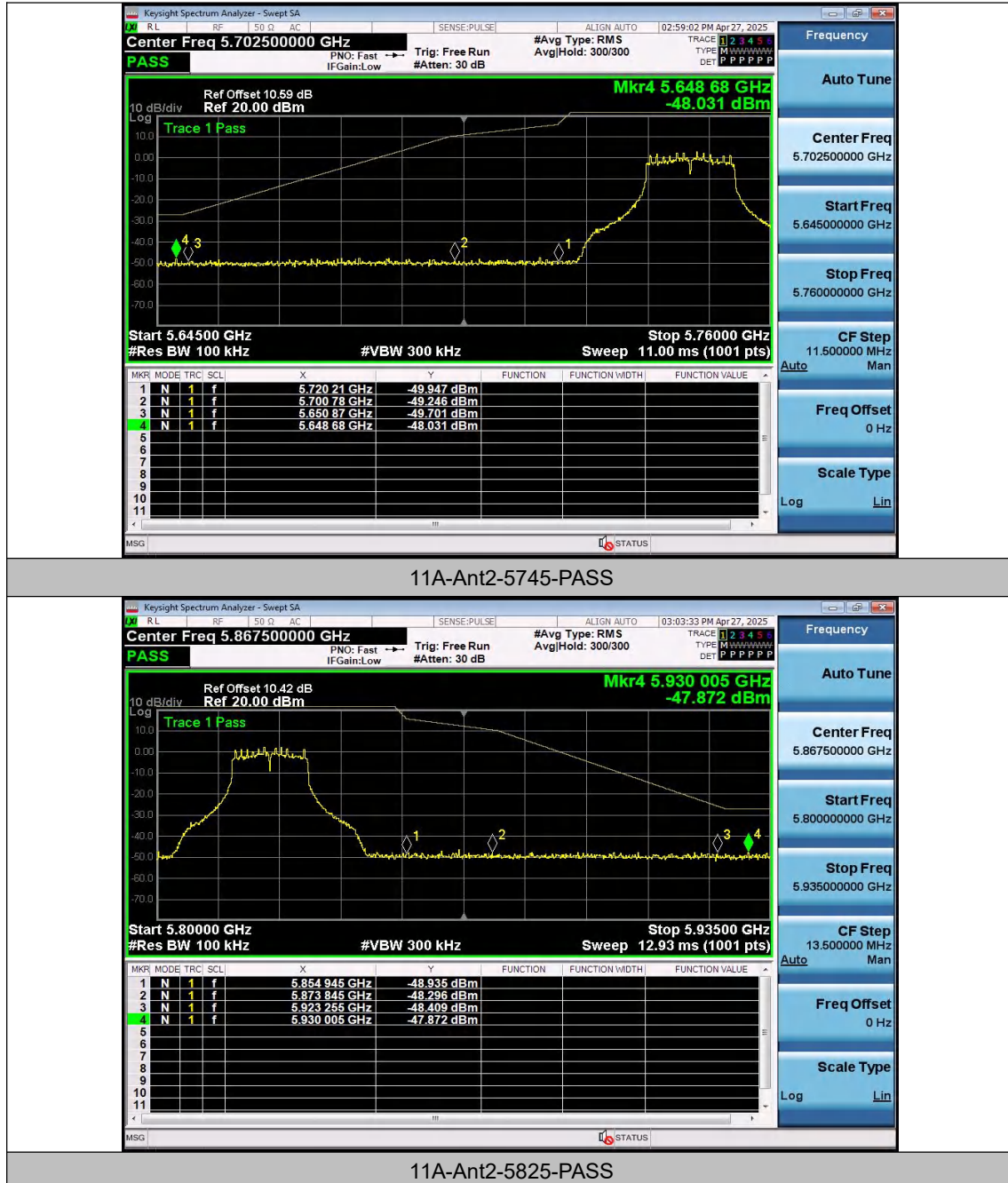
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Test Graphs B4



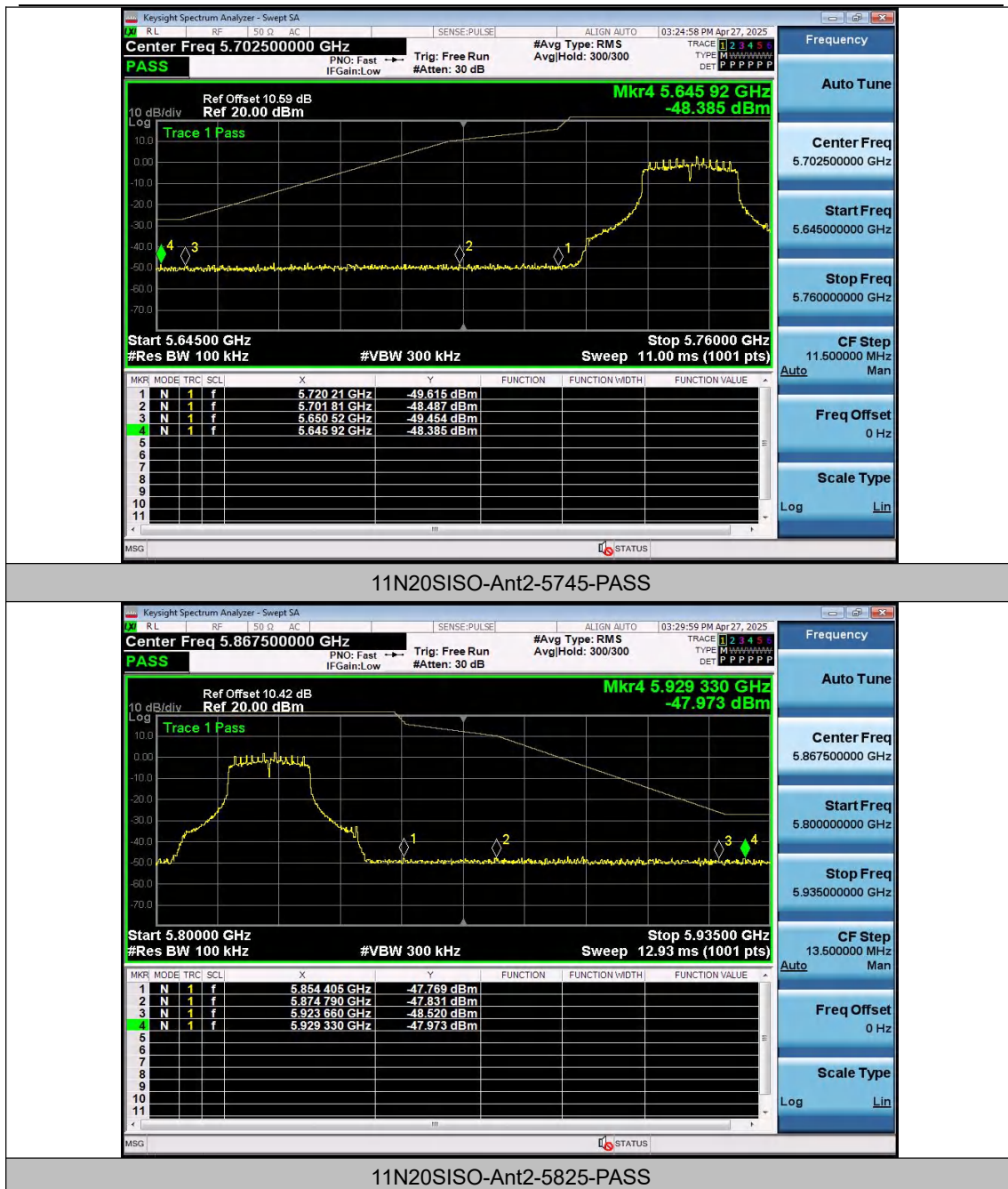


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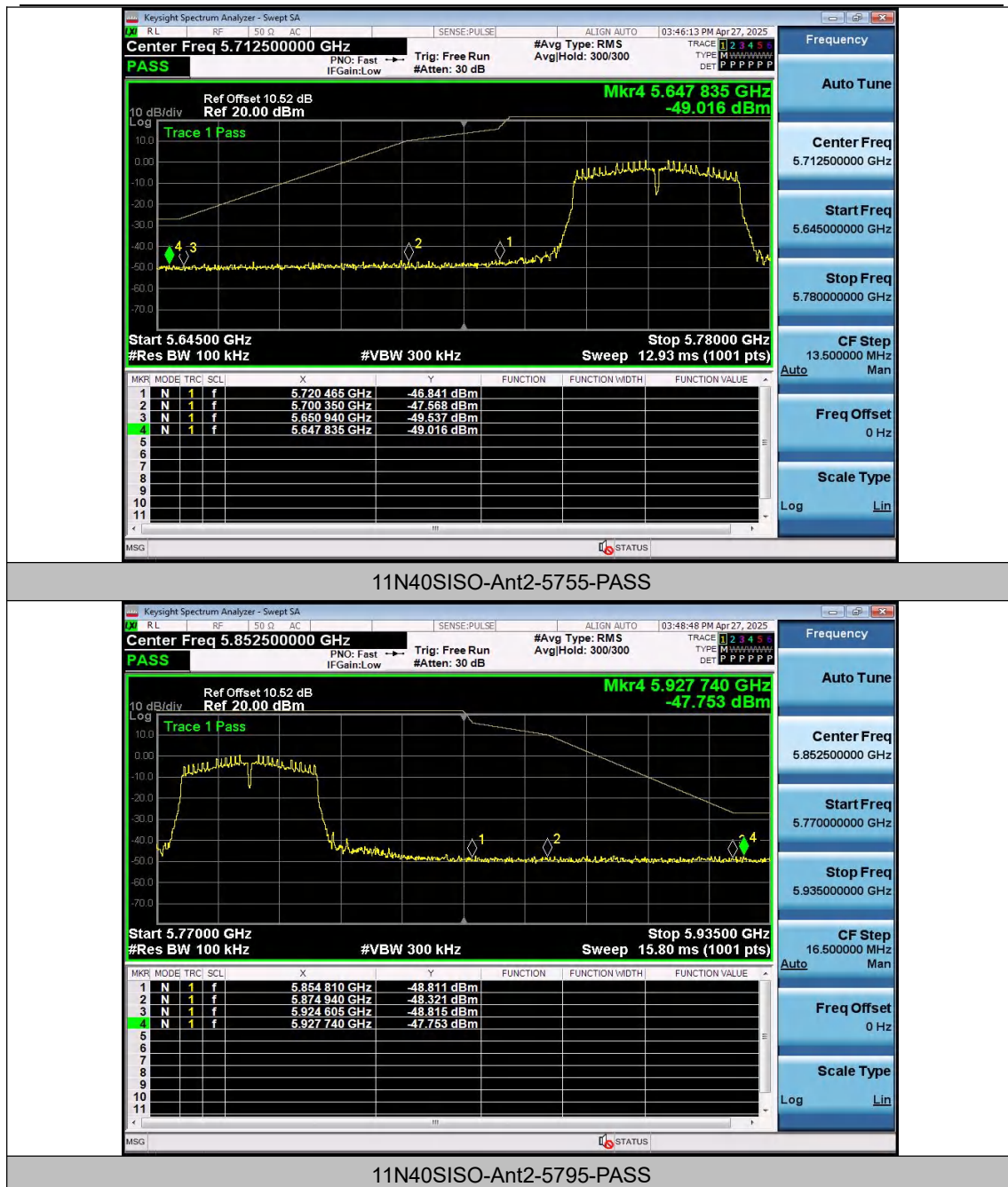


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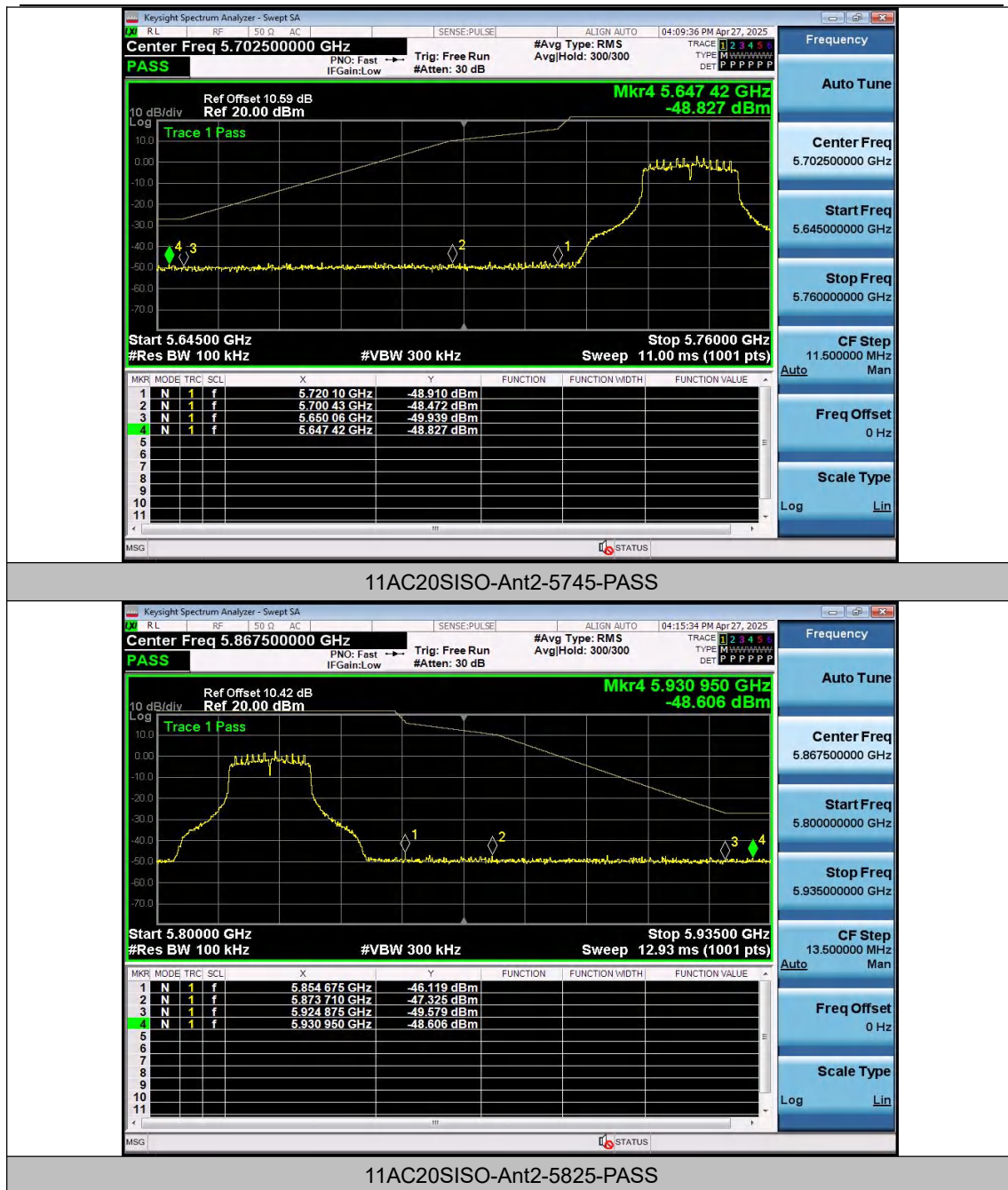


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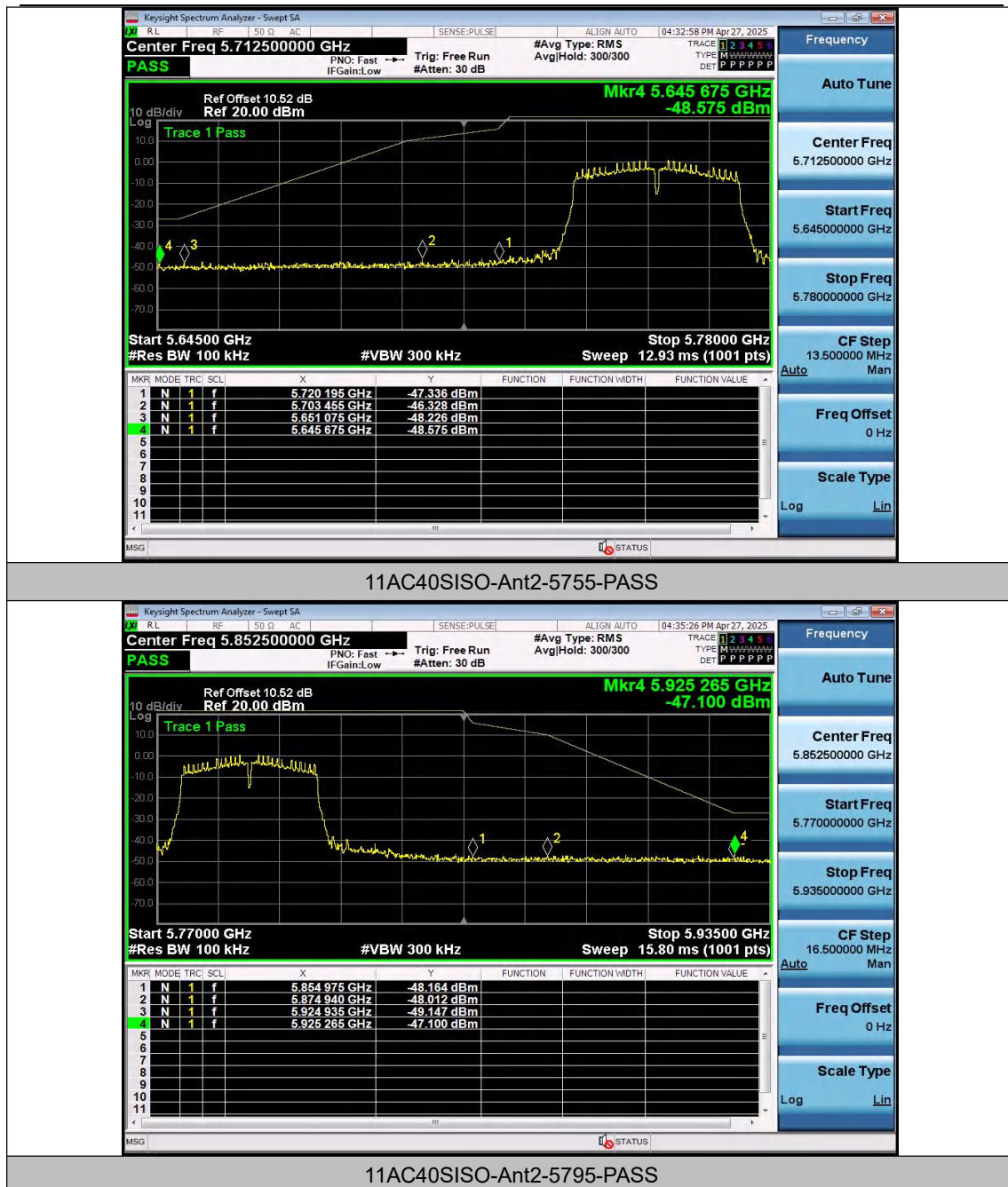


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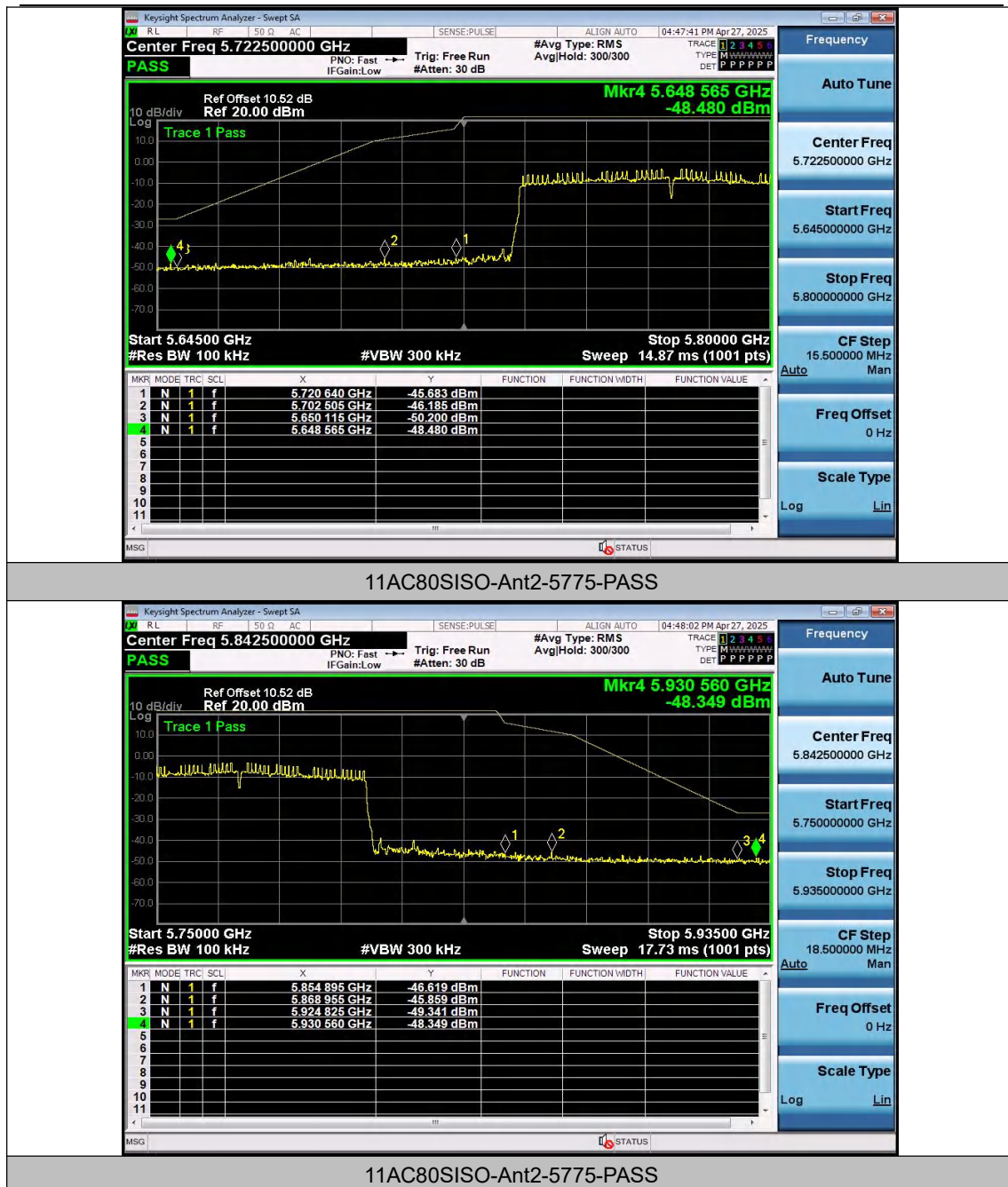


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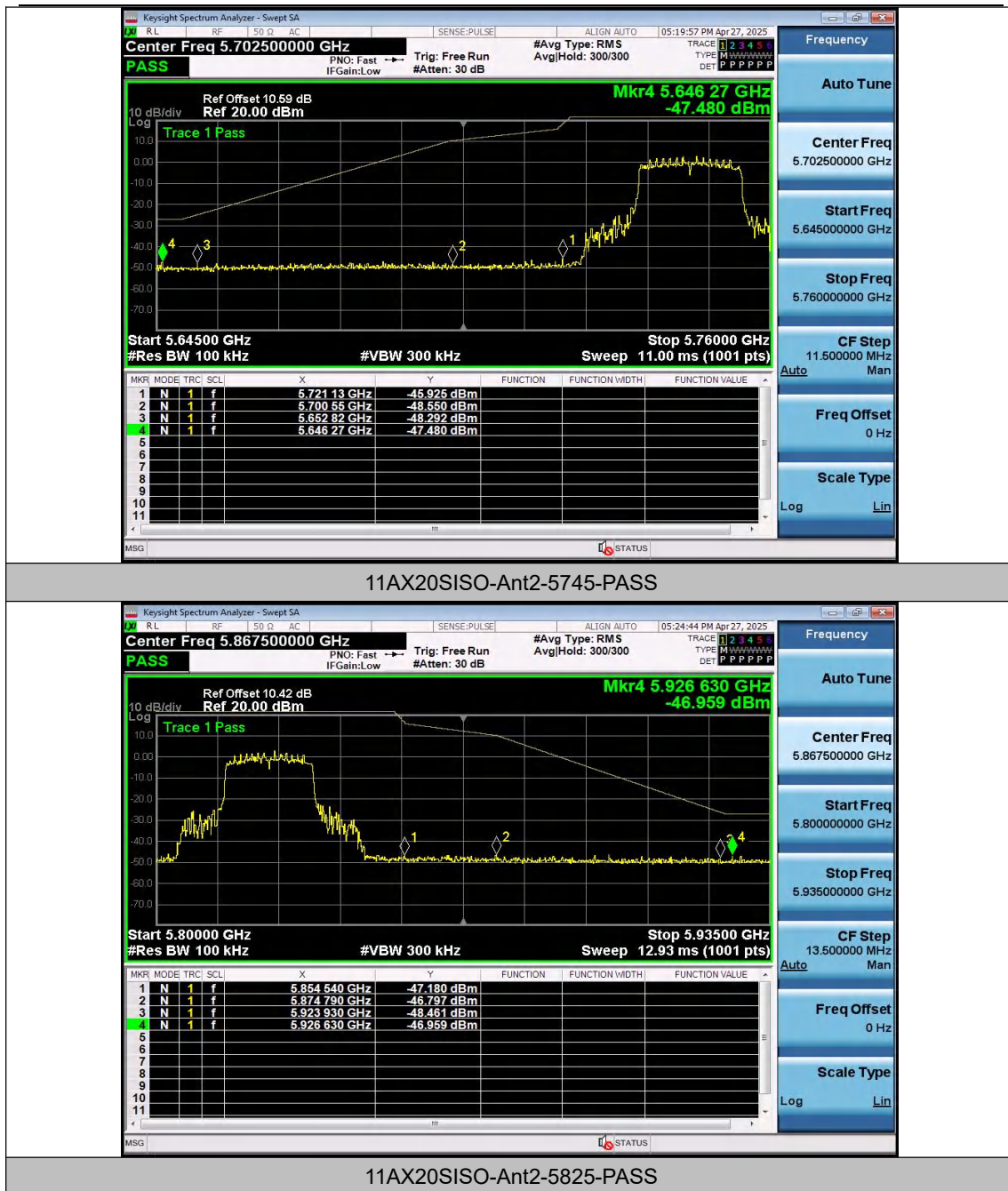


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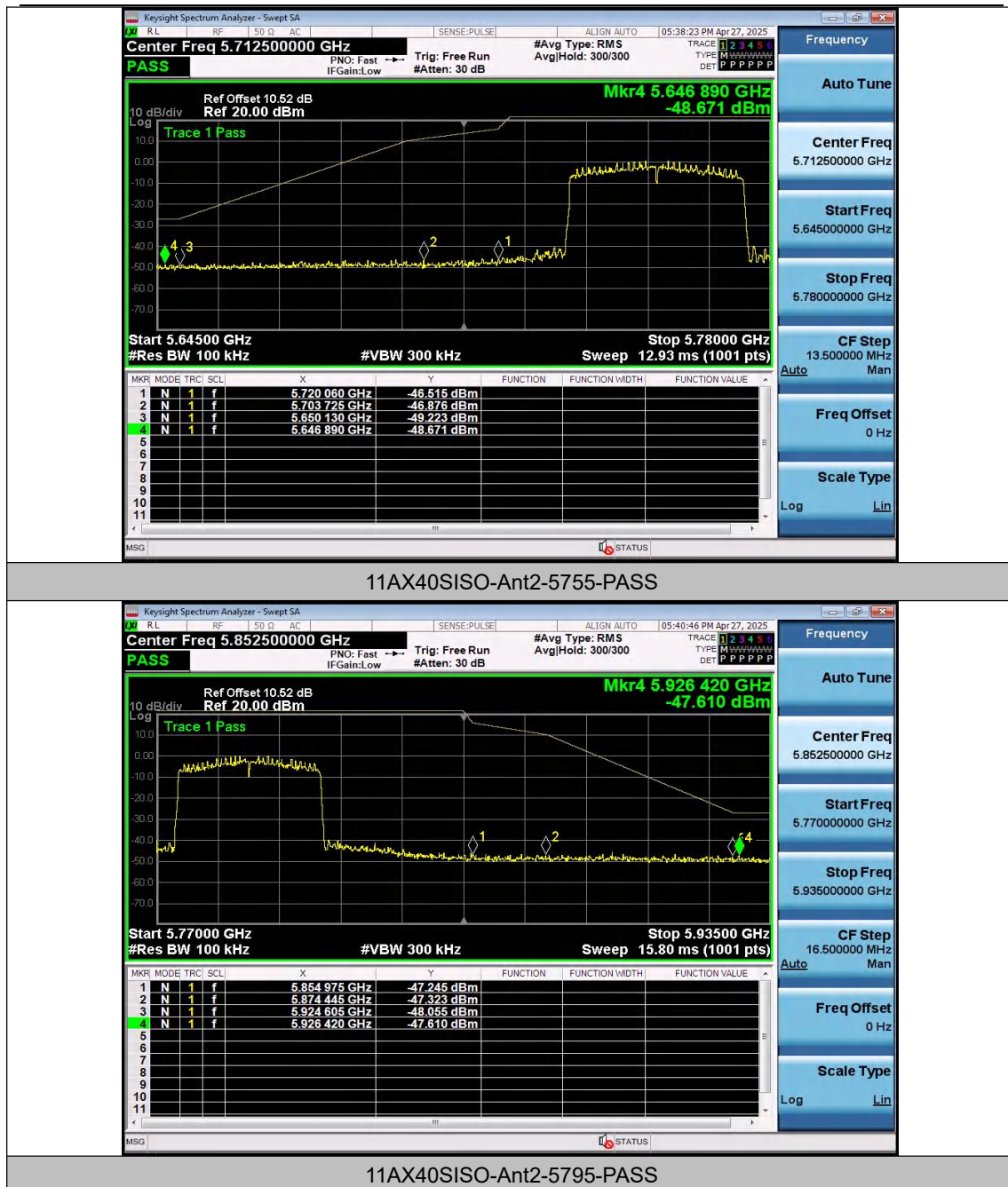


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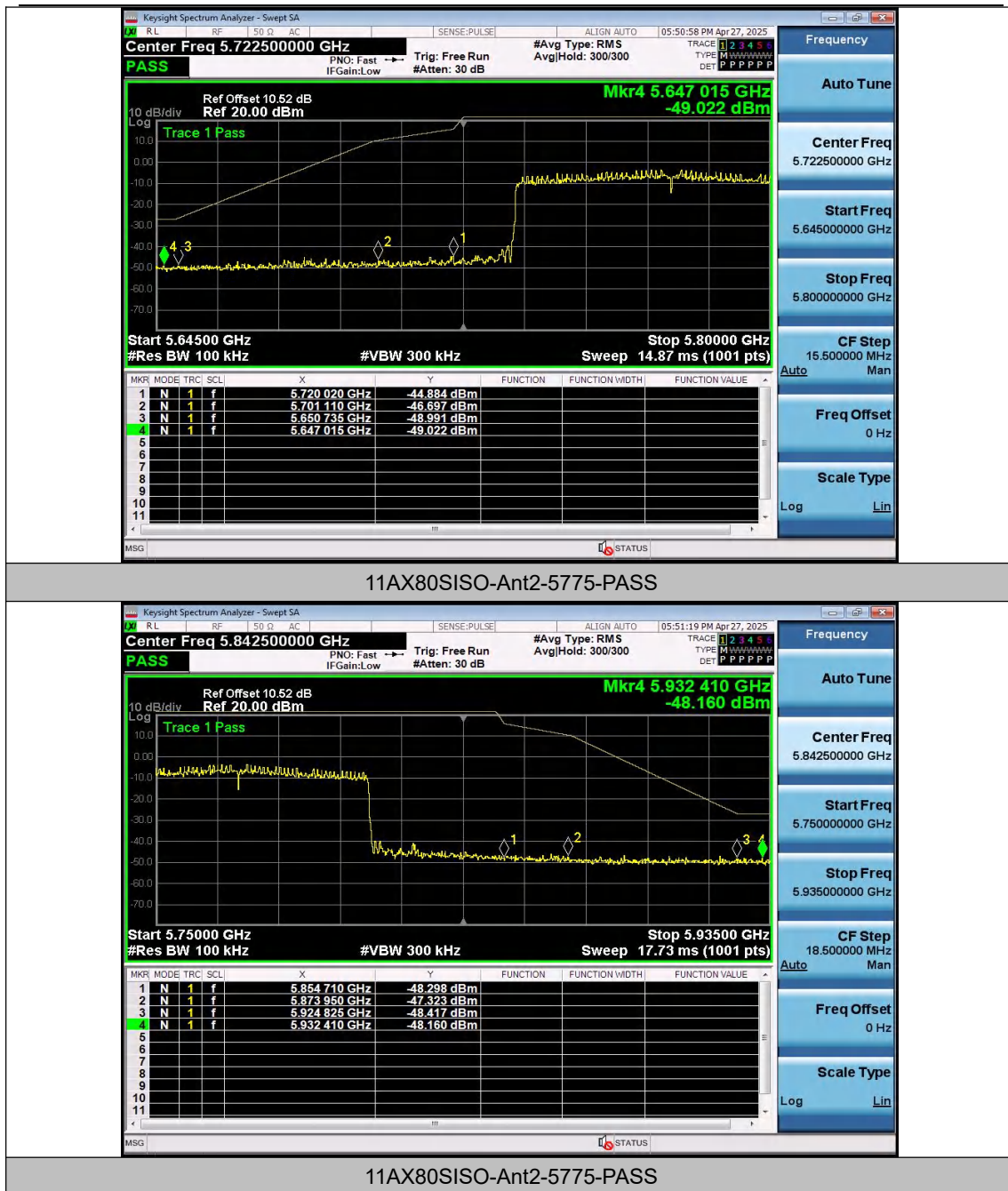


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Appendix G: Frequency Stability

Test Result

Ant 1

Reference Frequency: 802.11ac channel=36 frequency=5180MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	124.634	0.02406	Within the band of operation	Pass
	-20	132.780	0.02563		
	-10	111.642	0.02155		
	0	119.030	0.02298		
	10	171.661	0.03314		
	20	113.265	0.02187		
	30	158.272	0.03055		
	40	156.806	0.03027		
	50	173.359	0.03347		
26.4	20	157.942	0.03049	Within the band of operation	Pass
21.6	20	127.244	0.02456		

Reference Frequency: 802.11ac channel=52 frequency=5260MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	130.727	0.02485	Within the band of operation	Pass
	-20	133.614	0.02540		
	-10	126.109	0.02398		
	0	149.954	0.02851		
	10	131.577	0.02501		
	20	170.168	0.03235		
	30	151.175	0.02874		



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	40	120.191	0.02285		
	50	139.319	0.02649		
26.4	20	141.279	0.02686		
21.6	20	167.871	0.03191		

Reference Frequency: 802.11ac channel=100 frequency=5500MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	171.125	0.03111	Within the band of operation	Pass
	-20	151.594	0.02756		
	-10	121.887	0.02216		
	0	130.683	0.02376		
	10	175.497	0.03191		
	20	176.563	0.03210		
	30	112.985	0.02054		
	40	130.425	0.02371		
	50	165.489	0.03009		
26.4	20	153.374	0.02789		
21.6	20	126.653	0.02303		

Reference Frequency: 802.11ac channel=149 frequency=5745MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	154.450	0.02688	Within the band of operation	Pass
	-20	146.726	0.02554		
	-10	130.196	0.02266		
	0	126.702	0.02205		
	10	115.803	0.02016		
	20	149.335	0.02599		
	30	163.012	0.02837		



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	40	154.202	0.02684		
	50	143.782	0.02503		
26.4	20	169.308	0.02947		
21.6	20	178.155	0.03101		

Ant 2

Reference Frequency: 802.11ac channel=36 frequency=5180MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	133.664	0.02580	Within the band of operation	Pass
	-20	133.526	0.02578		
	-10	142.929	0.02759		
	0	132.202	0.02552		
	10	113.322	0.02188		
	20	139.375	0.02691		
	30	169.219	0.03267		
	40	123.748	0.02389		
	50	154.930	0.02991		
26.4	20	166.945	0.03223		
21.6	20	145.065	0.02800		

Reference Frequency: 802.11ac channel=52 frequency=5260MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	158.006	0.03004	Within the band of operation	Pass
	-20	113.213	0.02152		
	-10	179.163	0.03406		
	0	150.417	0.02860		



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	10	133.081	0.02530		
	20	138.800	0.02639		
	30	118.174	0.02247		
	40	163.615	0.03111		
	50	133.907	0.02546		
26.4	20	150.941	0.02870		
21.6	20	124.860	0.02374		

Reference Frequency: 802.11ac channel=100 frequency=5500MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	166.274	0.03023	Within the band of operation	Pass
	-20	128.084	0.02329		
	-10	125.564	0.02283		
	0	153.034	0.02782		
	10	111.381	0.02025		
	20	143.041	0.02601		
	30	176.632	0.03211		
	40	129.982	0.02363		
	50	168.617	0.03066		
26.4	20	141.875	0.02580		
21.6	20	123.972	0.02254		

Reference Frequency: 802.11ac channel=149 frequency=5745MHz					
Voltage (V)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24.0	-30	127.773	0.02224	Within the band of	Pass
	-20	156.749	0.02728		



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	-10	177.001	0.03081	operation	
	0	171.236	0.02981		
	10	135.061	0.02351		
	20	167.153	0.02910		
	30	142.533	0.02481		
	40	146.254	0.02546		
	50	139.184	0.02423		
26.4	20	137.716	0.02397	operation	
21.6	20	119.254	0.02076		