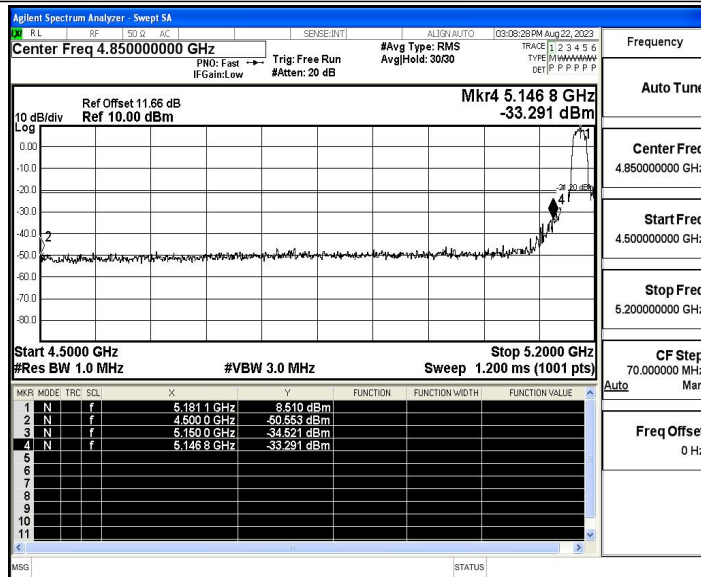
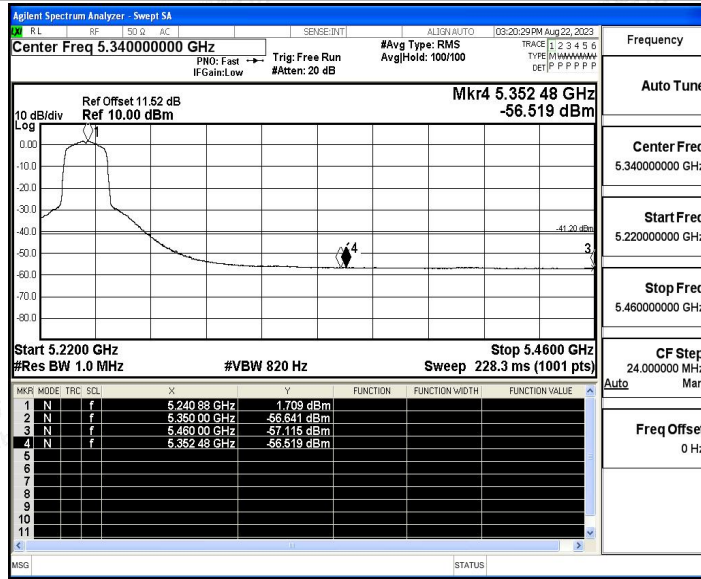


11AC20SISO_Ant1_Low_5180_Peak

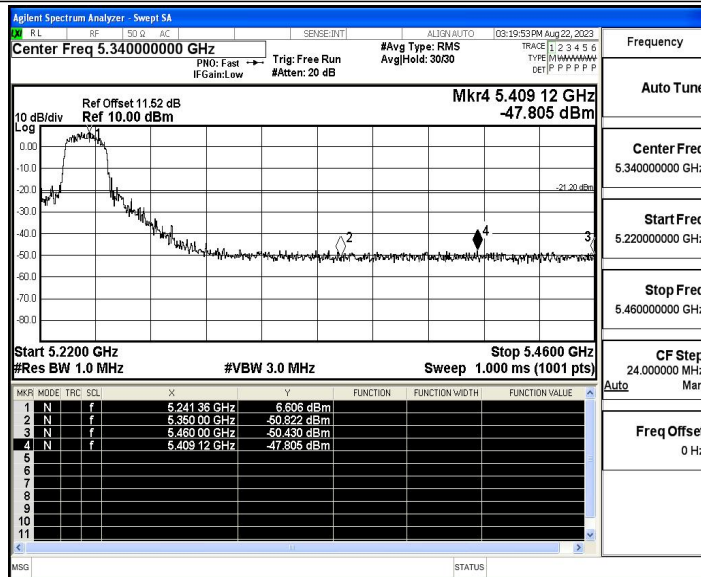


11AC20SISO_Ant1_High_5240_AV



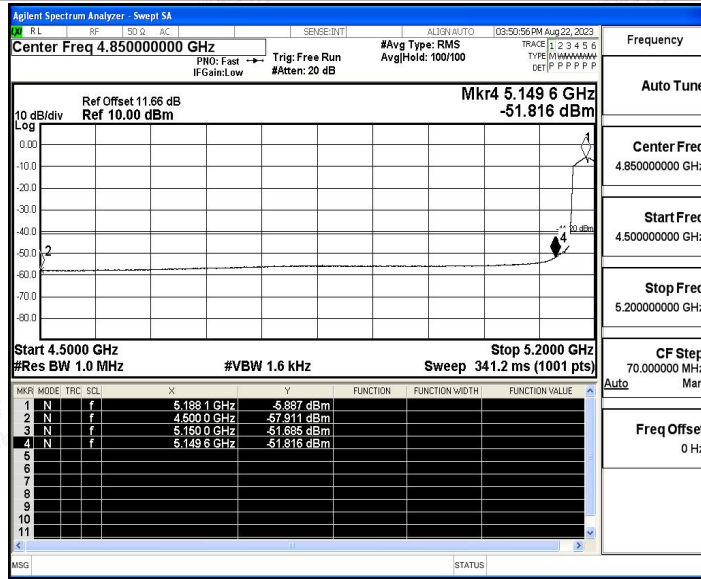


11AC20SISO_Ant1_High_5240_Peak

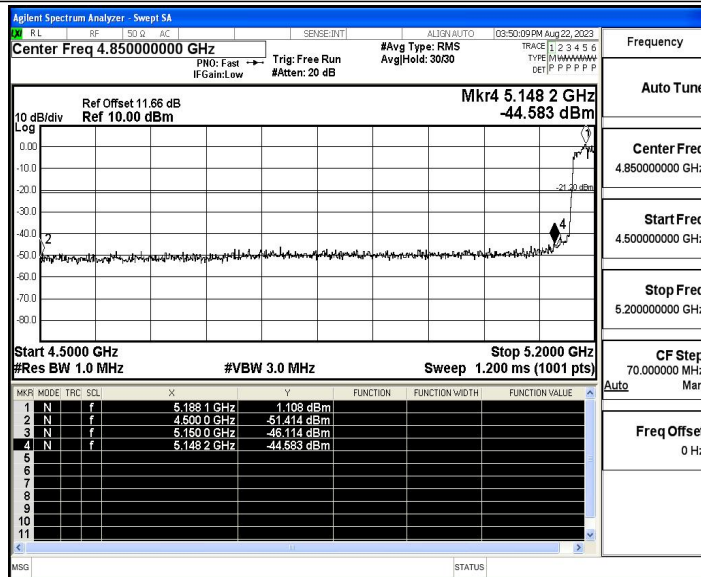


11AC40SISO_Ant1_Low_5190_AV



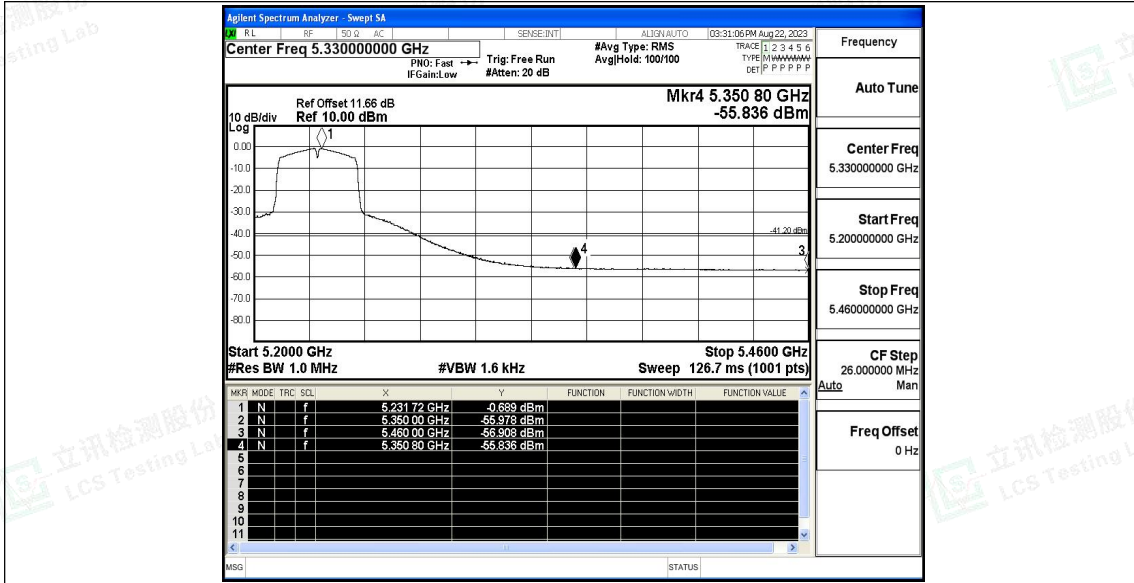


11AC40SISO_Ant1_Low_5190_Peak

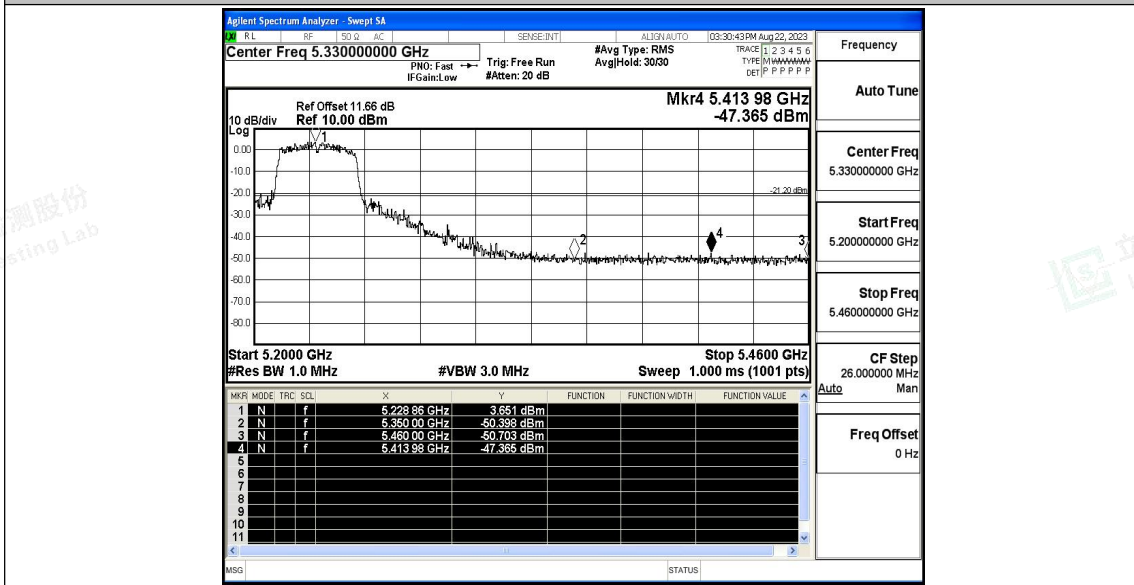


11AC40SISO_Ant1_High_5230_AV





11AC40SISO_Ant1_High_5230_Peak





D.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20S ISO	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	-40000.00	-7.722008	20	PASS
			HV	NT	-40000.00	-7.722008	20	PASS
		5220	NV	NT	-20000.00	-3.831418	20	PASS
			LV	NT	-60000.00	-11.494253	20	PASS
			HV	NT	-20000.00	-3.831418	20	PASS
		5240	NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
11AC40S ISO	Ant1	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.648184	20	PASS

Temperature								
TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20S ISO	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-20000.00	-3.861004	20	PASS
			NV	-10	-40000.00	-7.722008	20	PASS
			NV	0	-40000.00	-7.722008	20	PASS
			NV	10	-40000.00	-7.722008	20	PASS
			NV	20	-20000.00	-3.861004	20	PASS
			NV	30	-20000.00	-3.861004	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.861004	20	PASS
		5220	NV	-30	-20000.00	-3.831418	20	PASS
			NV	-20	-20000.00	-3.831418	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-20000.00	-3.831418	20	PASS
			NV	10	-20000.00	-3.831418	20	PASS





11AC40S ISO	Ant1	5240	NV	20	-60000.00	-11.494253	20	PASS
			NV	30	-40000.00	-7.662835	20	PASS
			NV	40	-20000.00	-3.831418	20	PASS
			NV	50	-20000.00	-3.831418	20	PASS
		5190	NV	-30	-40000.00	-7.633588	20	PASS
			NV	-20	-40000.00	-7.633588	20	PASS
			NV	-10	-40000.00	-7.633588	20	PASS
			NV	0	-40000.00	-7.633588	20	PASS
			NV	10	-40000.00	-7.633588	20	PASS
			NV	20	-40000.00	-7.633588	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
			5230	NV	-30	-40000.00	-7.707129	20
NV	-20	-40000.00		-7.707129	20	PASS		
NV	-10	0.00		0.000000	20	PASS		
NV	0	-40000.00		-7.707129	20	PASS		
NV	10	-40000.00		-7.707129	20	PASS		
NV	20	0.00		0.000000	20	PASS		
NV	30	-40000.00		-7.707129	20	PASS		
NV	40	-40000.00		-7.707129	20	PASS		
NV	50	-40000.00		-7.707129	20	PASS		
NV	-30	0.00		0.000000	20	PASS		
NV	-20	-40000.00	-7.648184	20	PASS			
NV	-10	-40000.00	-7.648184	20	PASS			
NV	0	0.00	0.000000	20	PASS			
NV	10	0.00	0.000000	20	PASS			
NV	20	0.00	0.000000	20	PASS			
NV	30	0.00	0.000000	20	PASS			
NV	40	-80000.00	-15.296367	20	PASS			
NV	50	0.00	0.000000	20	PASS			





D.6 Duty Cycle

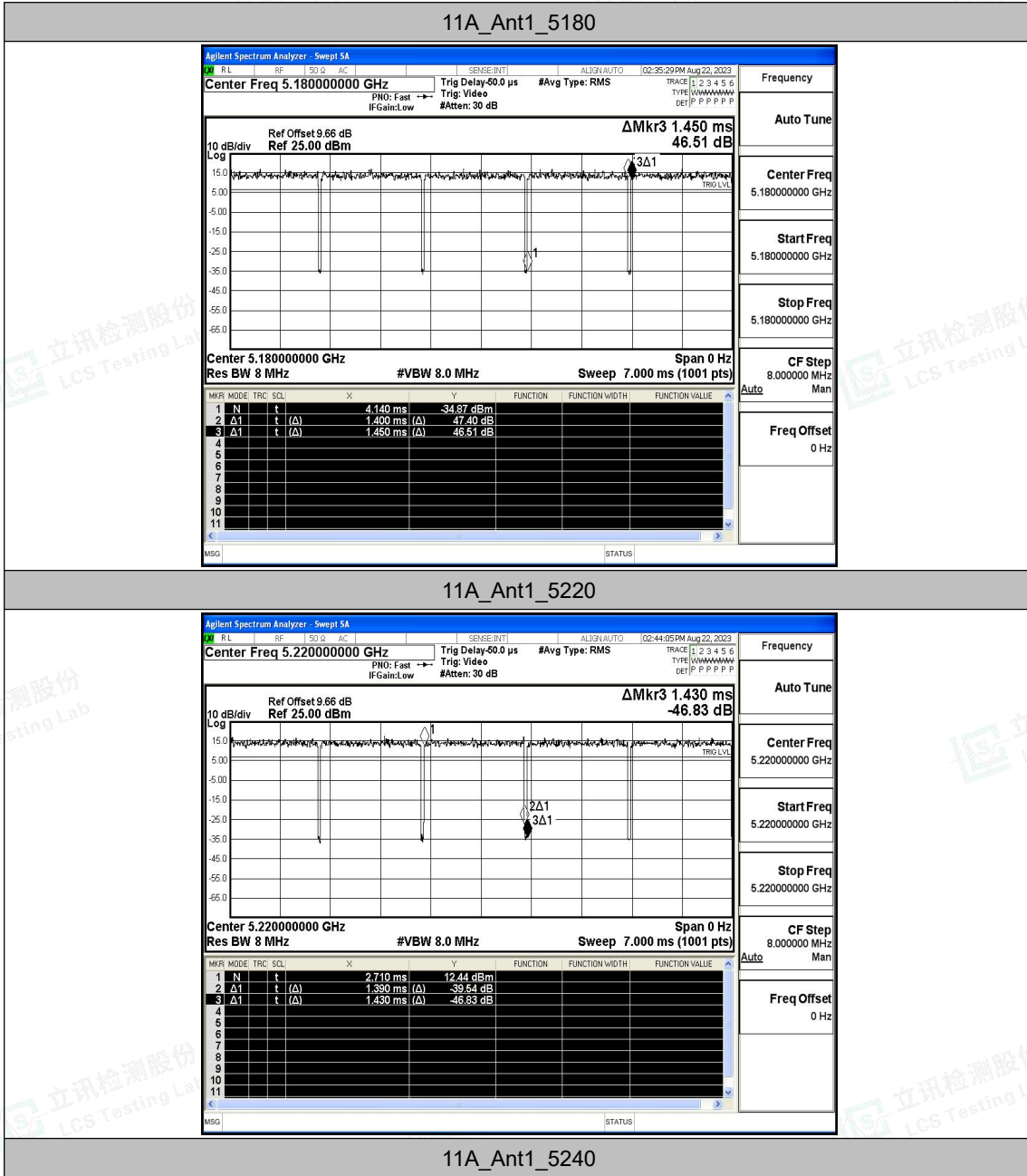
Test Result

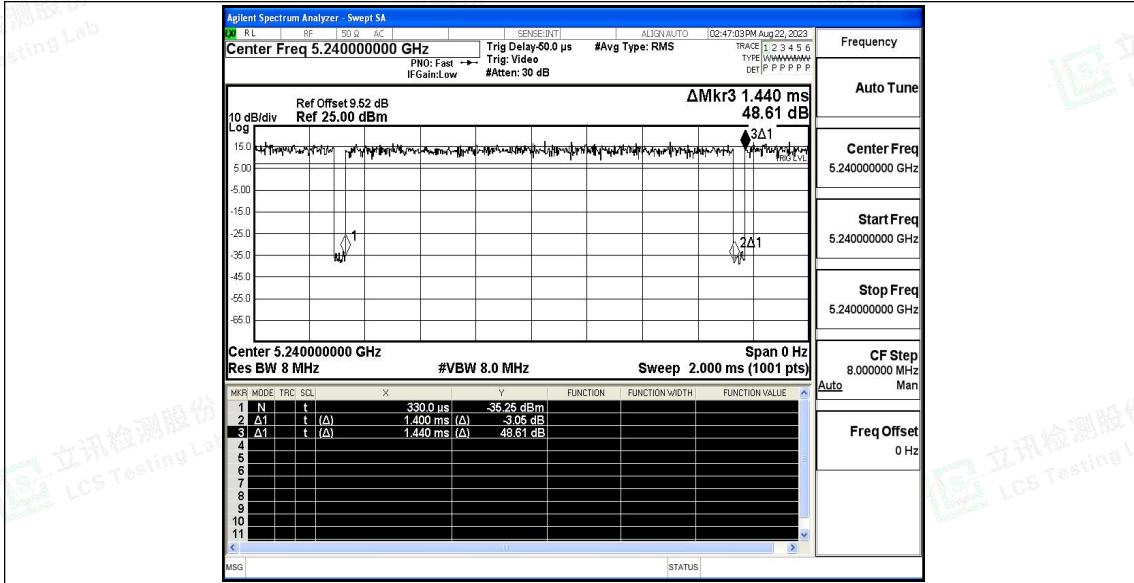
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T
11A	Ant1	5180	1.40	1.45	96.55	0.71
		5220	1.39	1.43	97.20	0.72
		5240	1.40	1.44	97.22	0.71
11N20SISO	Ant1	5180	1.29	1.34	96.27	0.75
		5220	1.29	1.33	96.99	0.78
		5240	1.29	1.33	96.99	0.78
11N40SISO	Ant1	5190	0.63	0.68	92.65	1.47
		5230	0.63	0.68	92.65	1.47
11AC20SISO	Ant1	5180	1.31	1.35	97.04	0.74
		5220	1.32	1.36	97.06	0.76
		5240	1.31	1.36	96.32	0.74
11AC40SISO	Ant1	5190	0.66	0.70	94.29	1.52
		5230	0.65	0.70	92.86	1.54



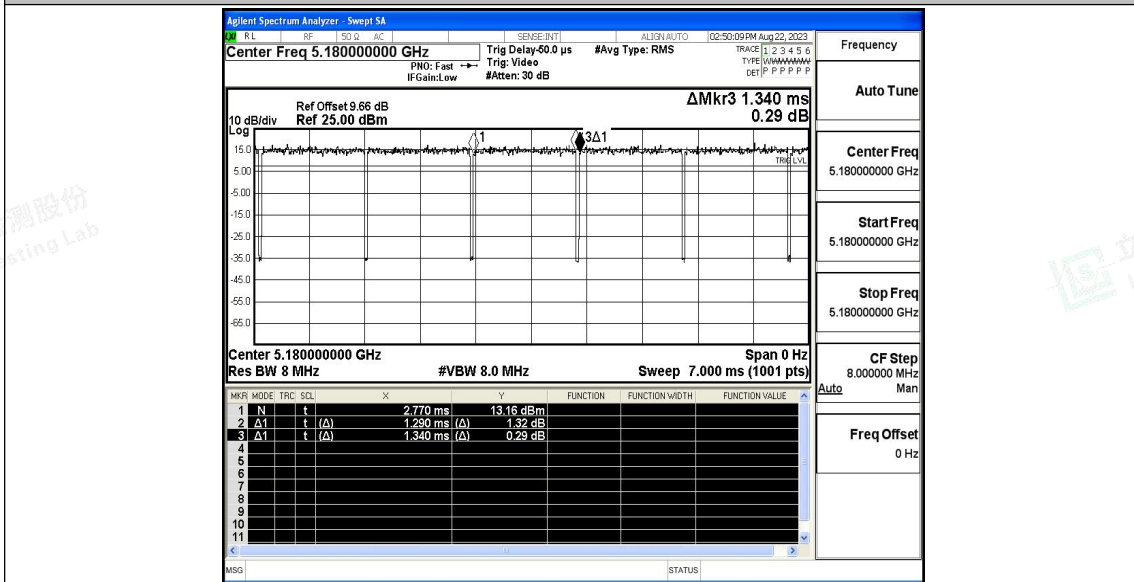


Test Graphs



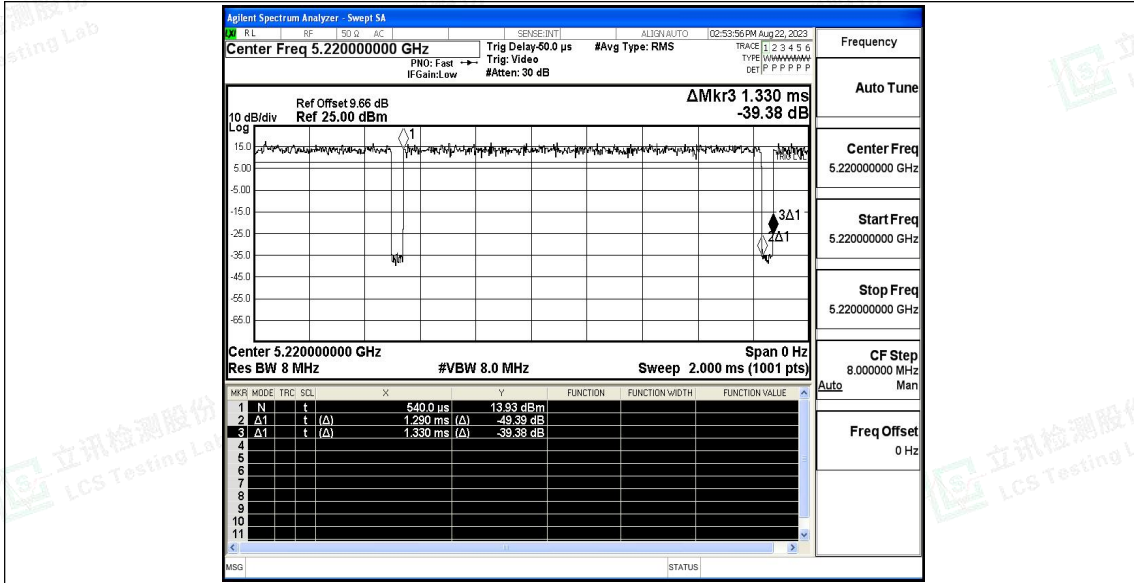


11N20SISO_Ant1_5180

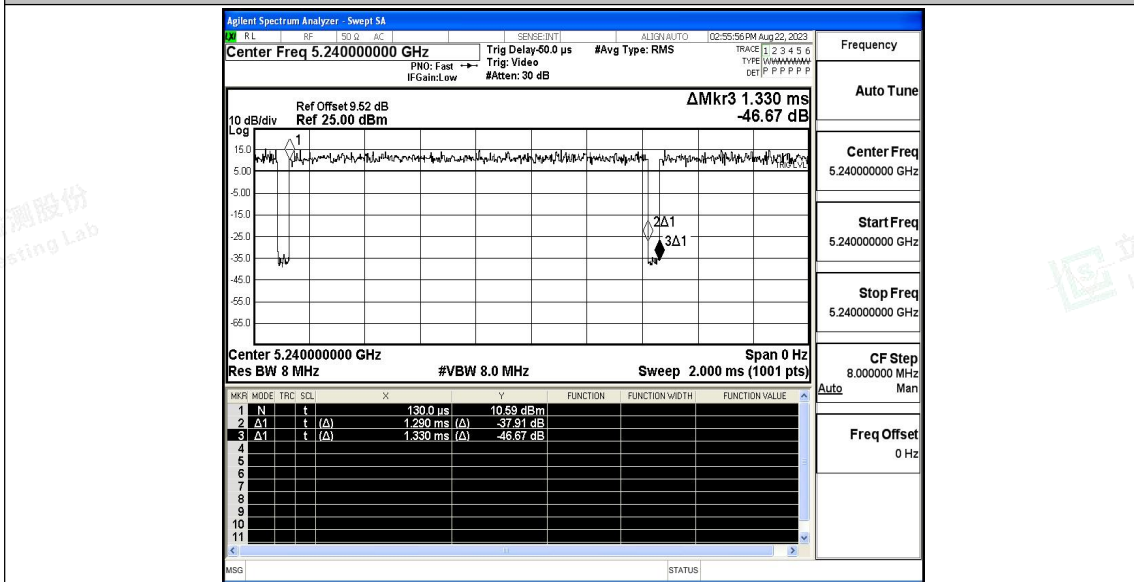


11N20SISO_Ant1_5220



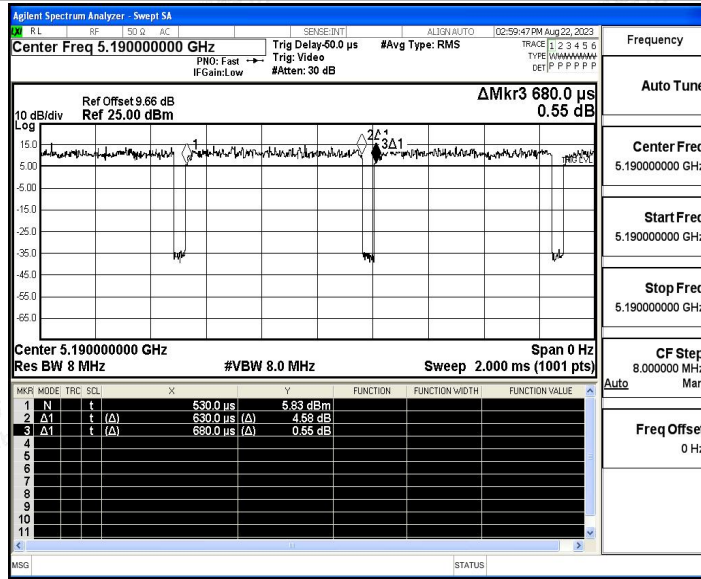


11N20SISO_Ant1_5240

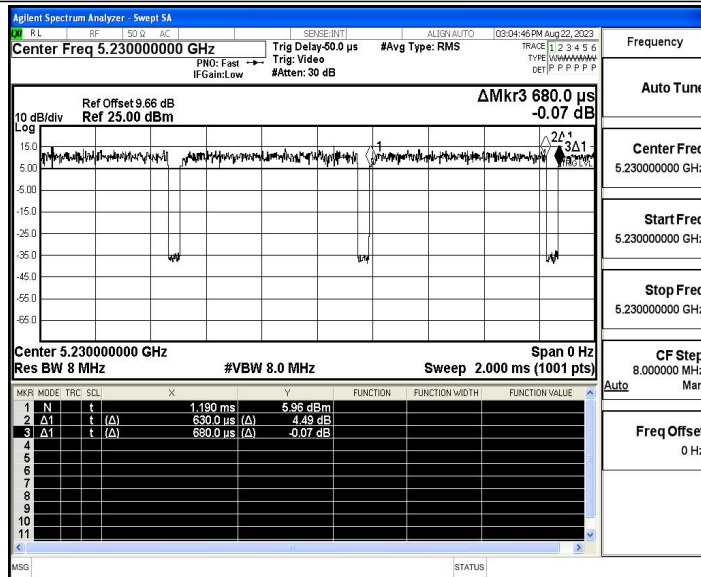


11N40SISO_Ant1_5190



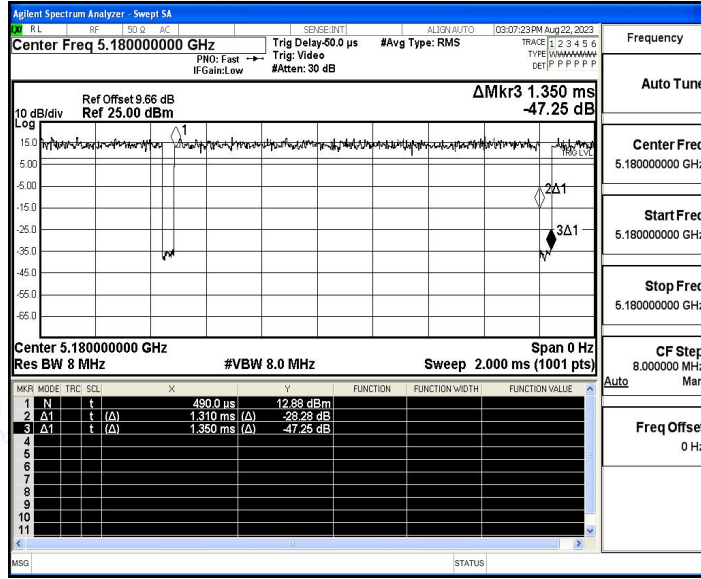


11N40SISO_Ant1_5230

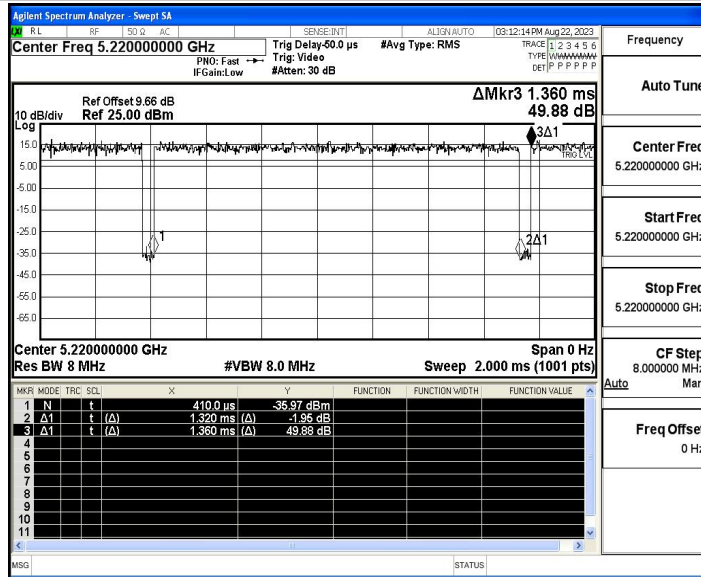


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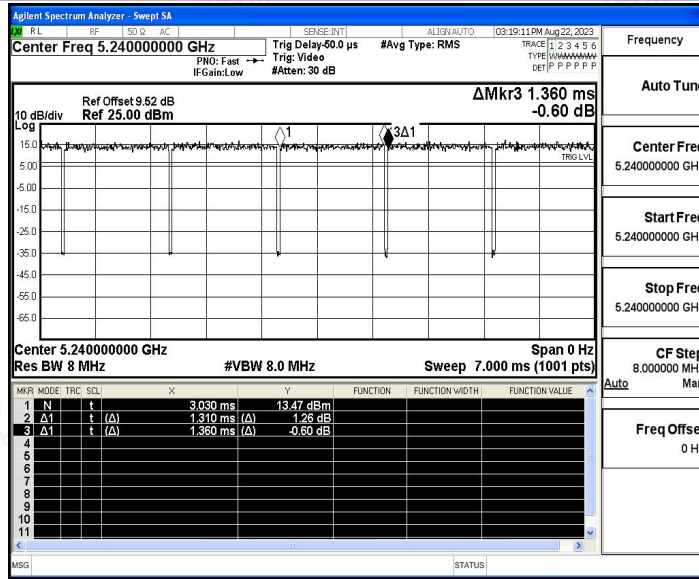


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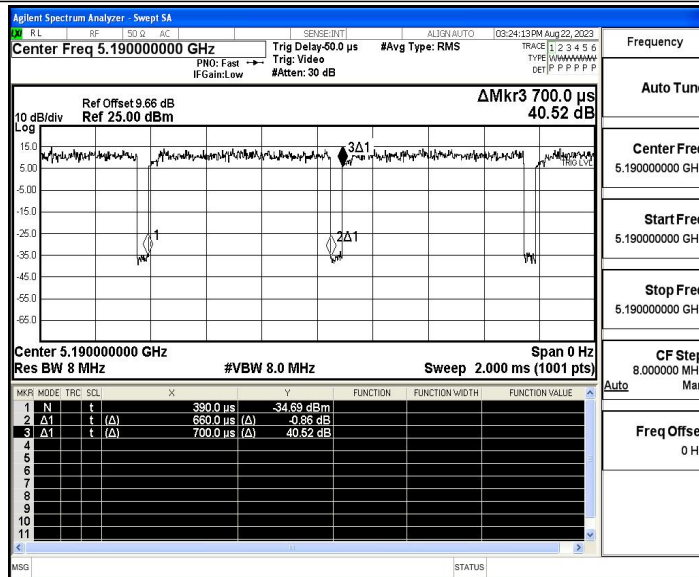


11AC20SISO_Ant1_5240





11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



