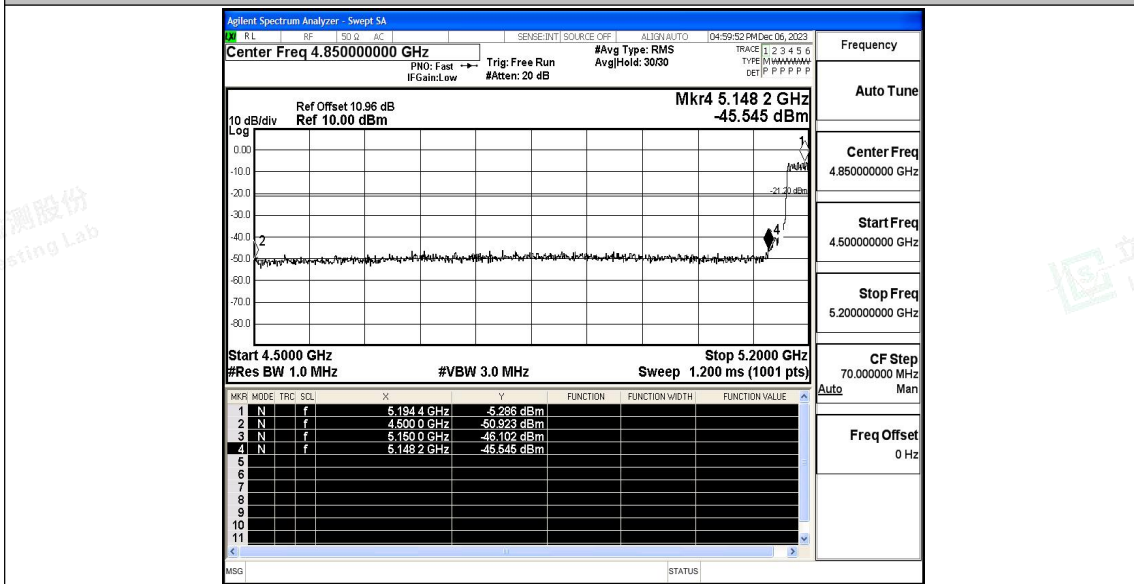
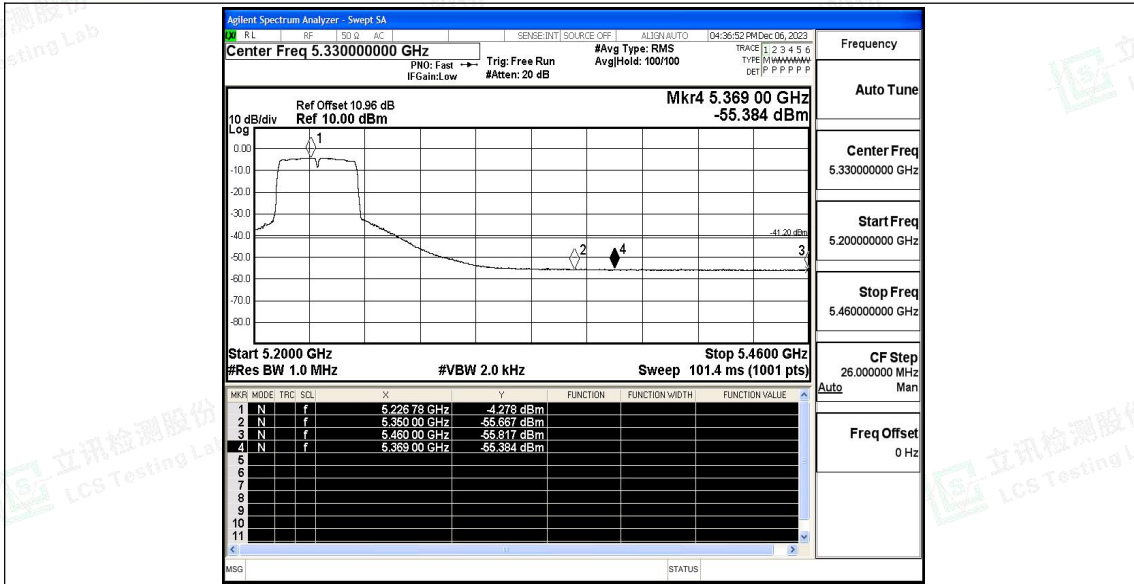


11N40SISO_Ant1_Low_5190_Peak

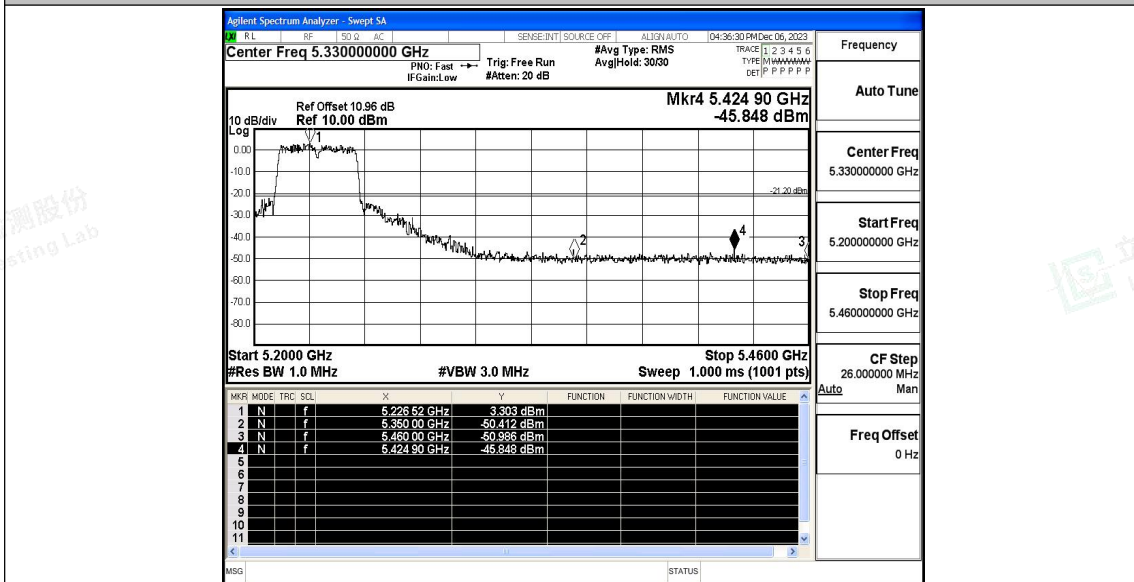


11N40SISO_Ant1_High_5230_AV



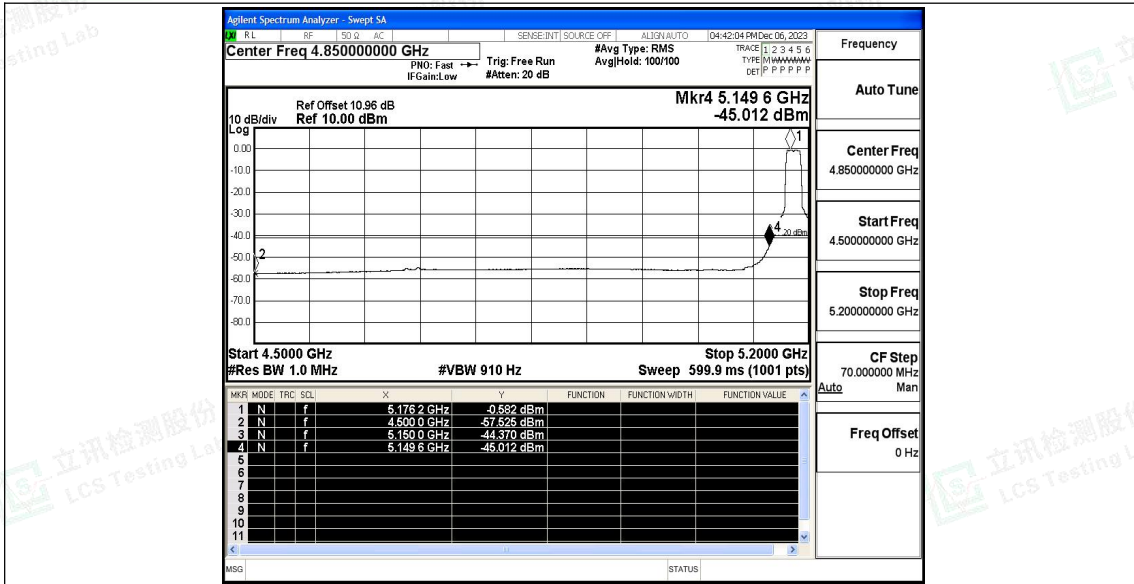


11N40SISO_Ant1_High_5230_Peak

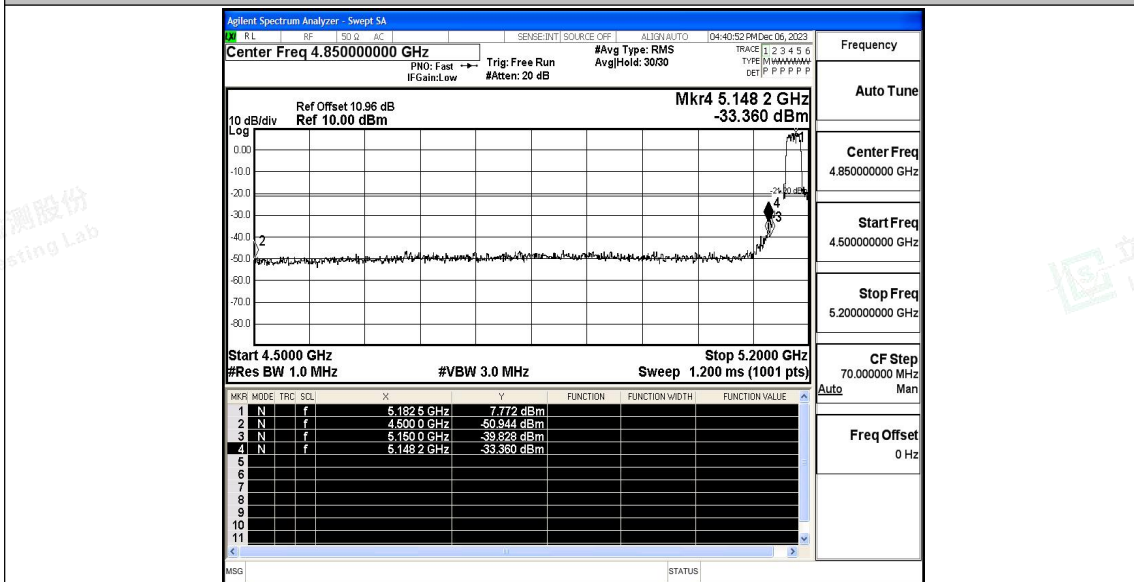


11AC20SISO_Ant1_Low_5180_AV



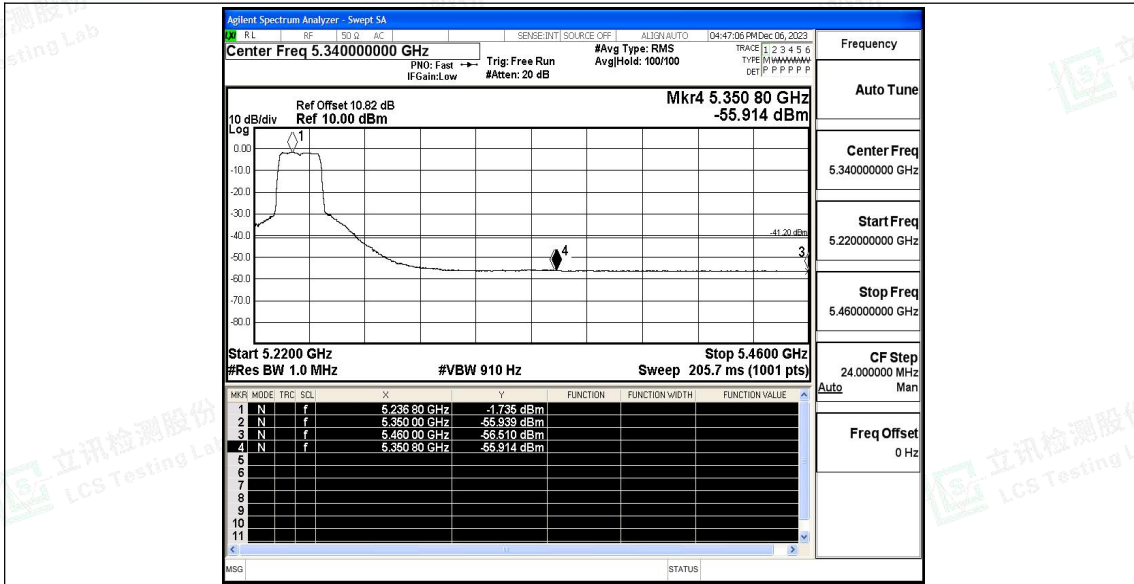


11AC20SISO_Ant1_Low_5180_Peak

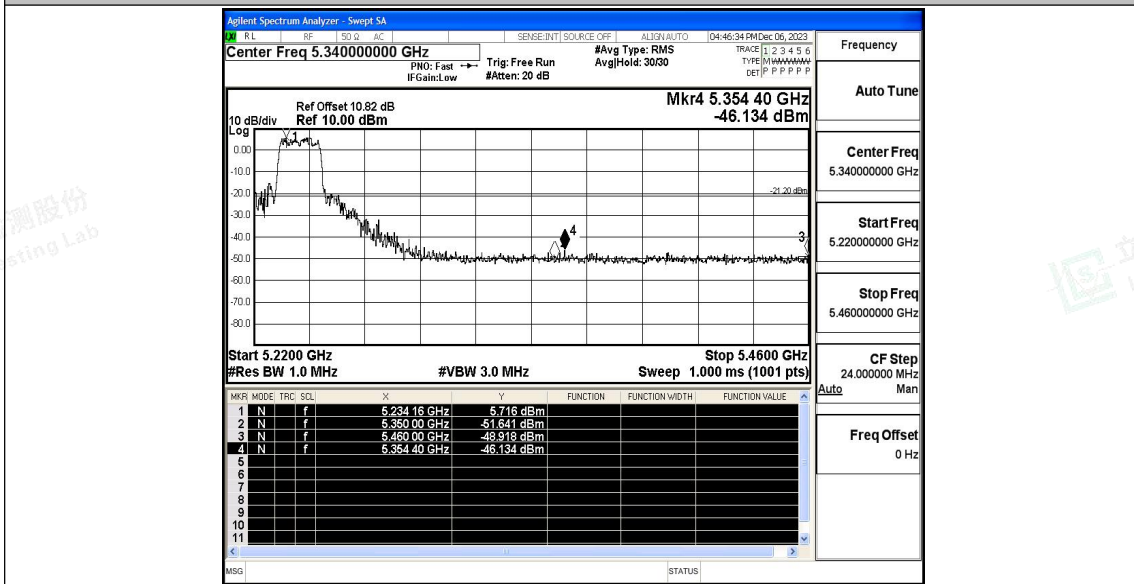


11AC20SISO_Ant1_High_5240_AV



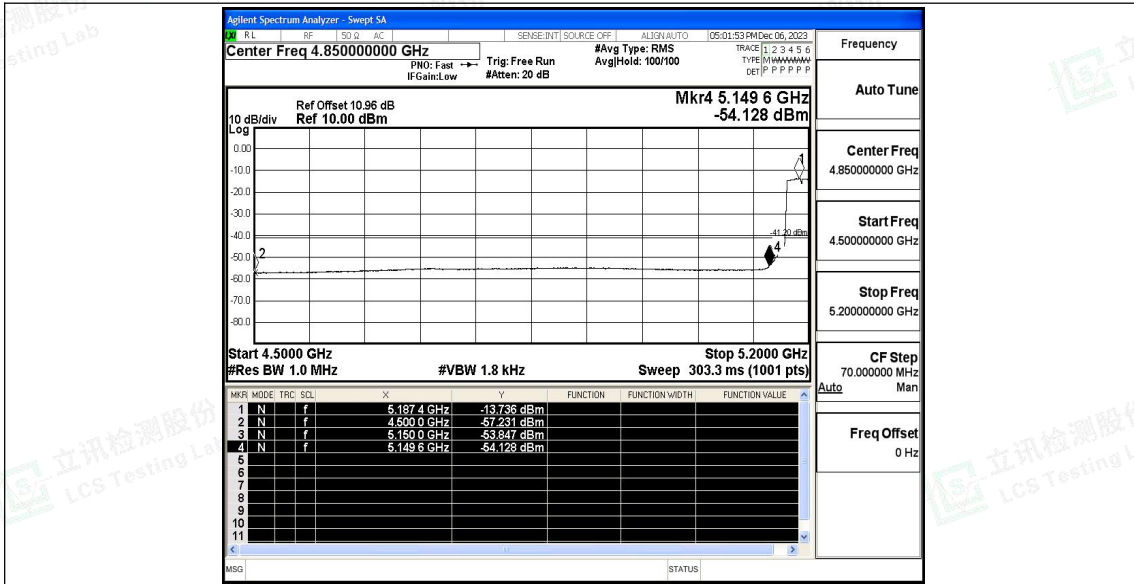


11AC20SISO_Ant1_High_5240_Peak

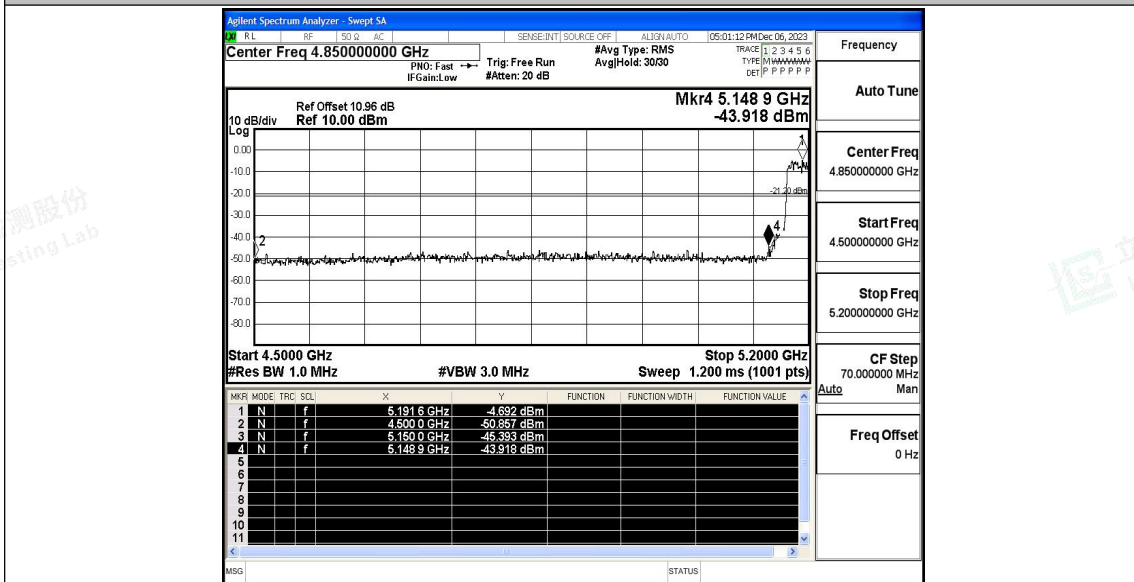


11AC40SISO_Ant1_Low_5190_AV



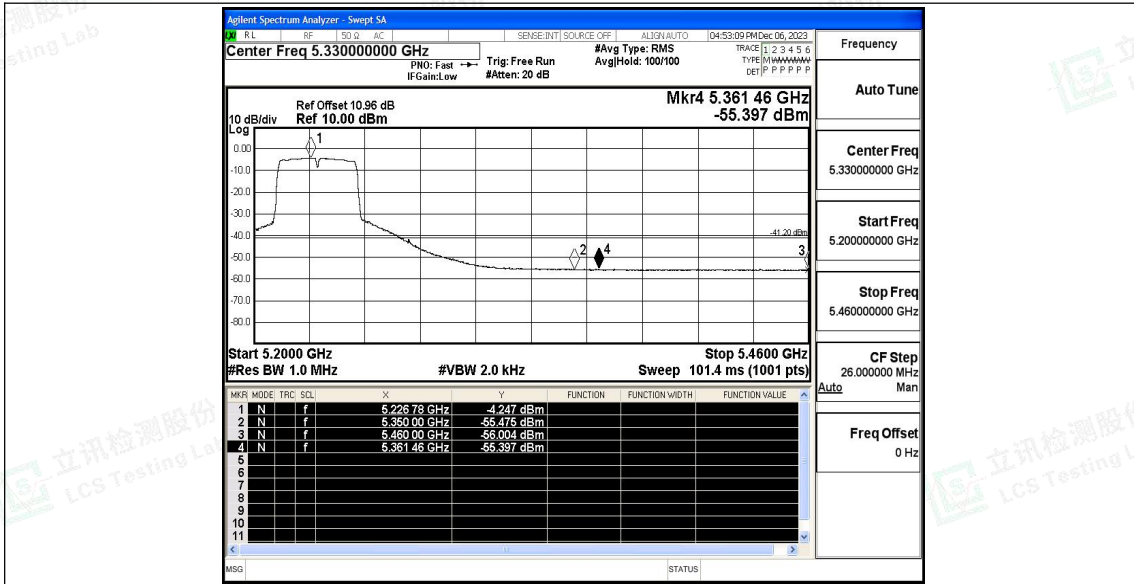


11AC40SISO_Ant1_Low_5190_Peak

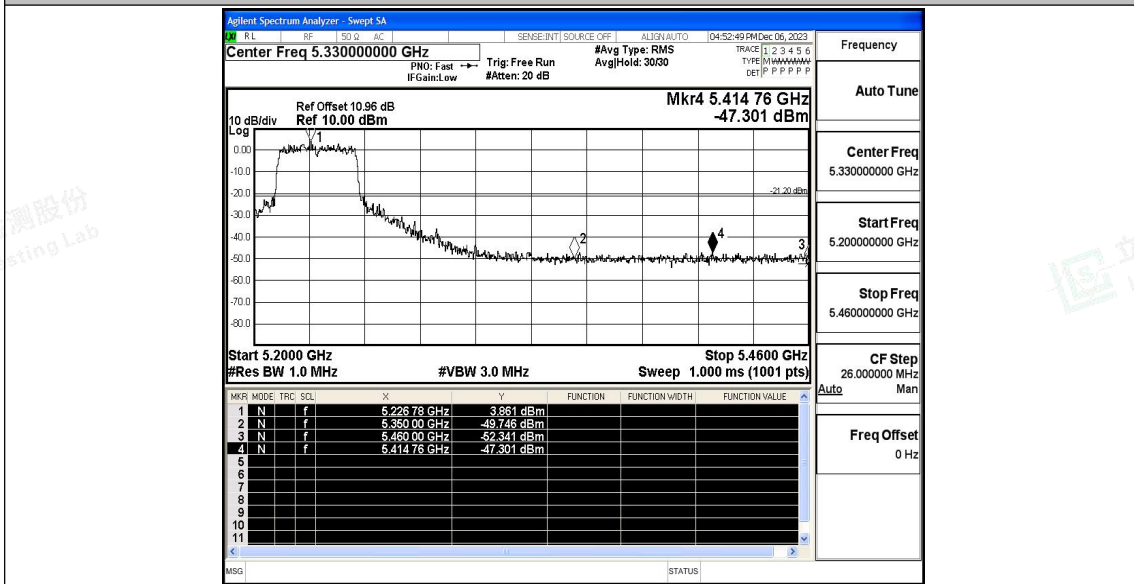


11AC40SISO_Ant1_High_5230_AV



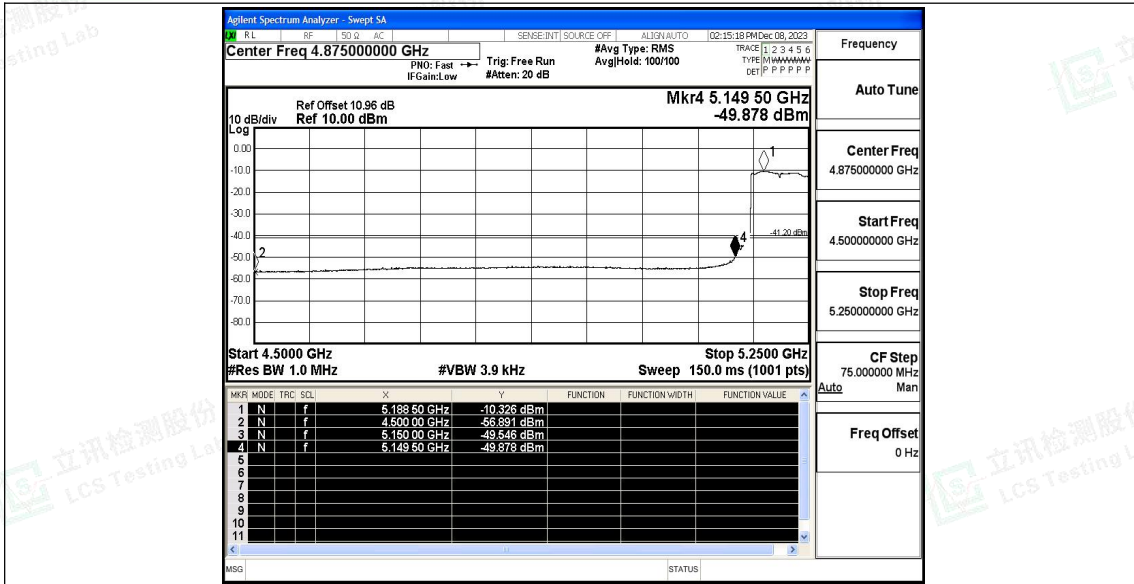


11AC40SISO_Ant1_High_5230_Peak

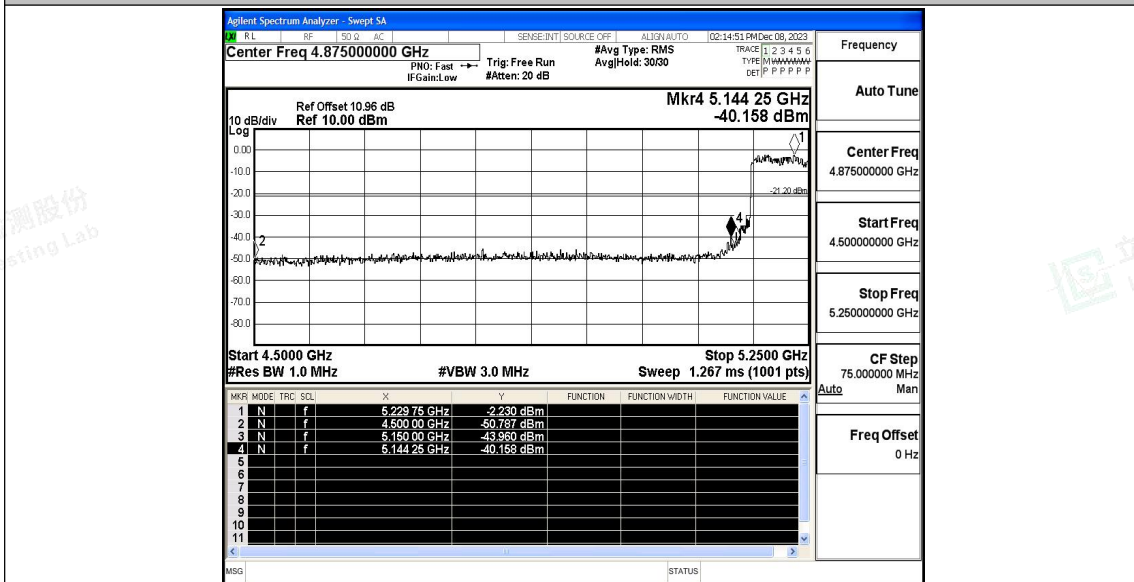


11AC80SISO_Ant1_Low_5210_AV



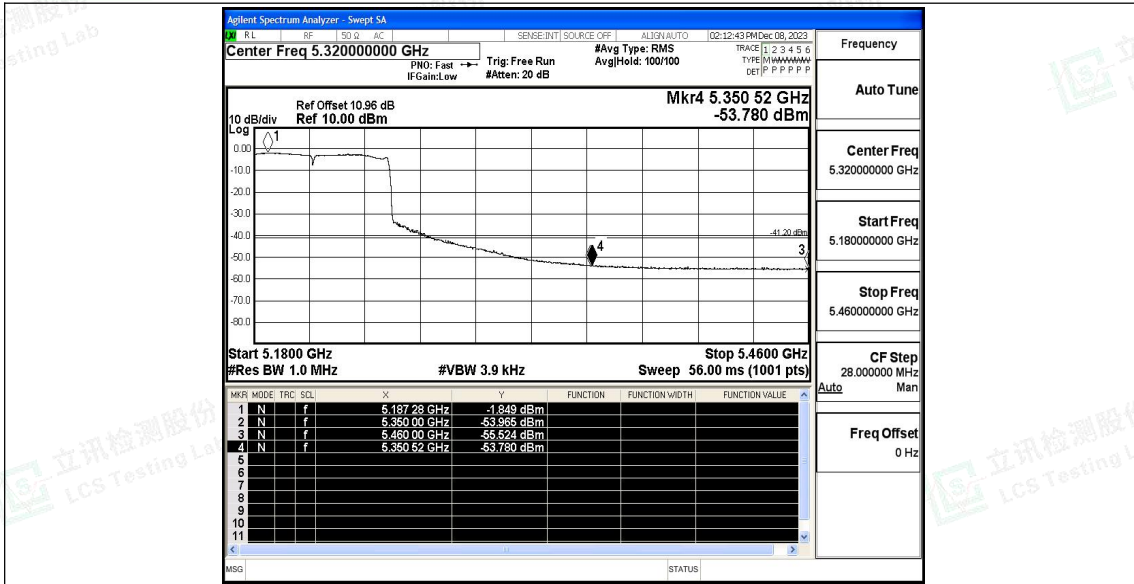


11AC80SISO_Ant1_Low_5210_Peak

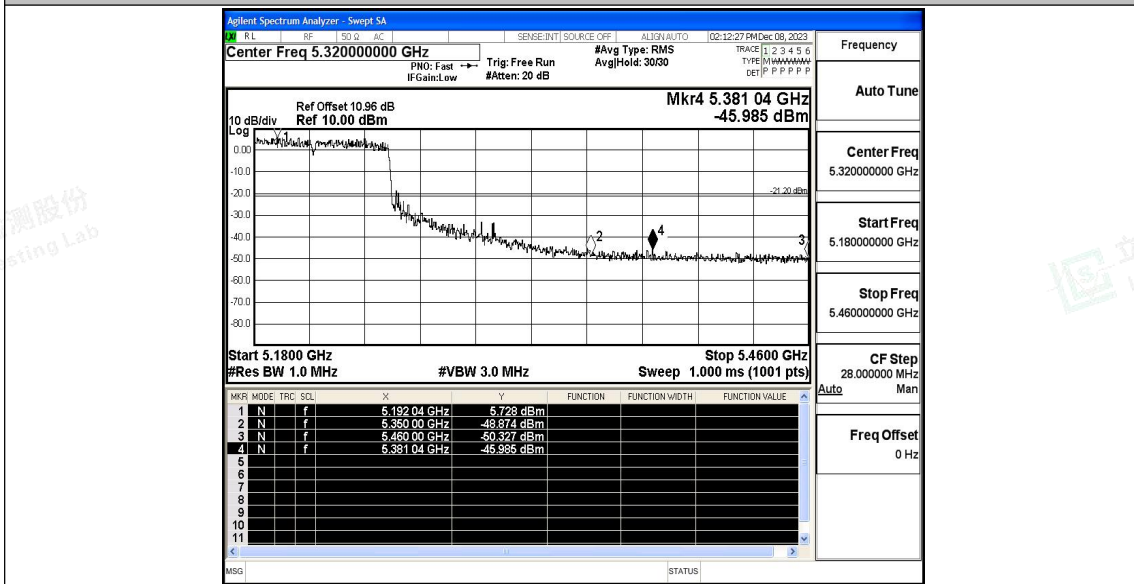


11AC80SISO_Ant1_High_5210_AV





11AC80SISO_Ant1_High_5210_Peak



D.5 Frequency Stability

Test Result

TestMode	Antenna	Frequency [MHz]	Voltage					Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)			
11A	Ant1	5180	NV	NT	0.00	0.000000	20	PASS	
			LV	NT	0.00	0.000000	20	PASS	
			HV	NT	-20000.00	-3.861004	20	PASS	
		5220	NV	NT	-20000.00	-3.831418	20	PASS	





		5240	LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS
			NV	NT	-40000.00	-7.633588	20	PASS
			LV	NT	-20000.00	-3.816794	20	PASS
			HV	NT	0.00	0.000000	20	PASS
11N40SI SO	Ant1	5190	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.707129	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	-40000.00	-7.648184	20	PASS
			HV	NT	-80000.00	-15.296367	20	PASS
11AC80S ISO	Ant1	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-80000.00	-15.355086	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature										
TestMode	Antenna	Frequen cy[MHz]	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict		
11A	Ant1	5180	NV	-30	-20000.00	-3.861004	20	PASS		
			NV	-20	0.00	0.000000	20	PASS		
			NV	-10	0.00	0.000000	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	-20000.00	-3.861004	20	PASS		
			NV	40	-20000.00	-3.861004	20	PASS		
		5220	NV	50	-20000.00	-3.861004	20	PASS		
			NV	-30	0.00	0.000000	20	PASS		
			NV	-20	-20000.00	-3.831418	20	PASS		
			NV	-10	-40000.00	-7.662835	20	PASS		
			NV	0	-20000.00	-3.831418	20	PASS		
			NV	10	-20000.00	-3.831418	20	PASS		
			NV	20	-20000.00	-3.831418	20	PASS		
			NV	30	-20000.00	-3.831418	20	PASS		
		5240	NV	40	-40000.00	-7.662835	20	PASS		
			NV	50	-20000.00	-3.831418	20	PASS		
			NV	-30	-20000.00	-3.816794	20	PASS		
			NV	-20	-20000.00	-3.816794	20	PASS		
					NV	-10	-20000.00	-3.816794	20	PASS
					NV	0	-40000.00	-7.633588	20	PASS





			NV	10	-20000.00	-3.816794	20	PASS
			NV	20	-20000.00	-3.816794	20	PASS
			NV	30	-20000.00	-3.816794	20	PASS
			NV	40	-20000.00	-3.816794	20	PASS
			NV	50	-20000.00	-3.816794	20	PASS
11N40SI SO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-40000.00	-7.707129	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-40000.00	-7.707129	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	-40000.00	-7.707129	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5230	NV	-30	-40000.00	-7.648184	20	PASS
			NV	-20	-40000.00	-7.648184	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	-40000.00	-7.648184	20	PASS
			NV	10	-40000.00	-7.648184	20	PASS
			NV	20	-40000.00	-7.648184	20	PASS
			NV	30	-40000.00	-7.648184	20	PASS
			NV	40	-40000.00	-7.648184	20	PASS
			NV	50	0.00	0.000000	20	PASS
11AC80S ISO	Ant1	5210	NV	-30	0.00	0.000000	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	0.00	0.000000	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	-80000.00	-15.355086	20	PASS
			NV	20	0.00	0.000000	20	PASS
			NV	30	0.00	0.000000	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS





D.6 Duty Cycle

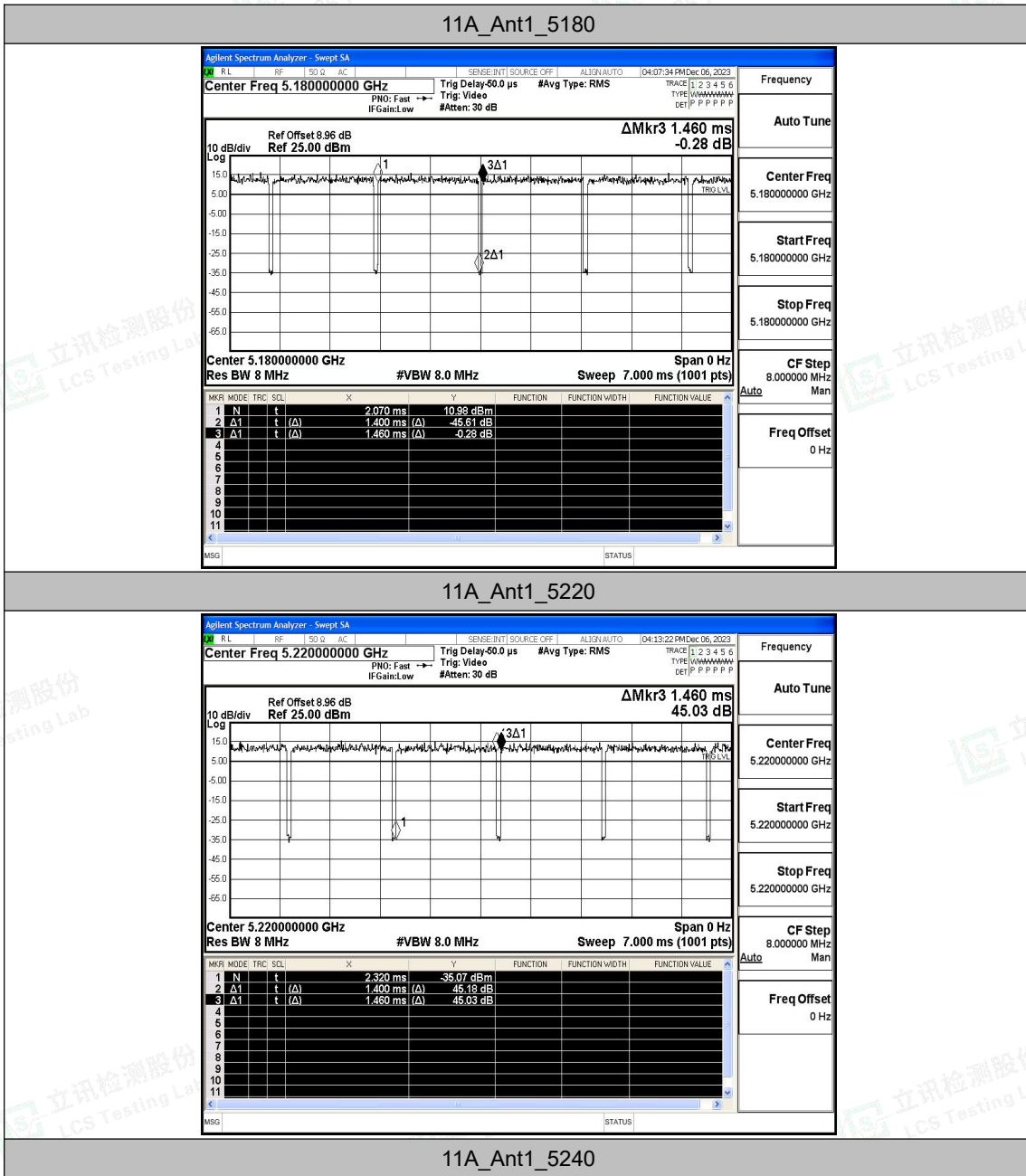
Test Result

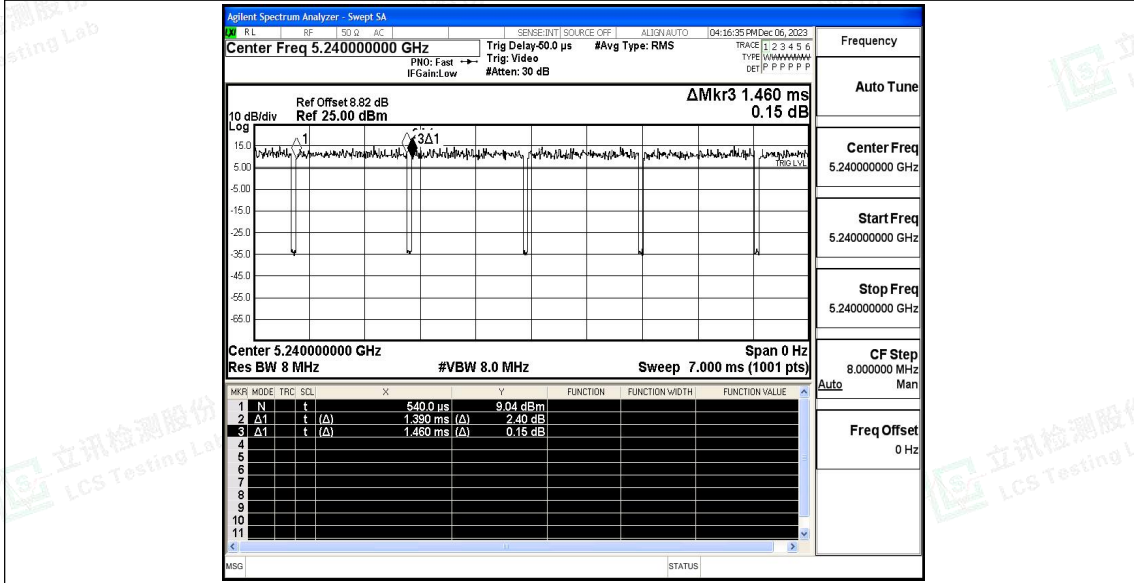
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T [kHz]
11A	Ant1	5180	1.40	1.46	95.89	0.71
		5220	1.40	1.46	95.89	0.71
		5240	1.39	1.46	95.21	0.72
11N20SISO	Ant1	5180	1.18	1.24	95.16	0.85
		5220	1.18	1.24	95.16	0.85
		5240	1.18	1.24	95.16	0.85
11N40SISO	Ant1	5190	0.59	0.65	90.77	1.69
		5230	0.58	0.64	90.63	1.72
11AC20SISO	Ant1	5180	1.18	1.25	94.40	0.85
		5220	1.19	1.25	95.20	0.84
		5240	1.19	1.25	95.20	0.84
11AC40SISO	Ant1	5190	0.60	0.66	90.91	1.67
		5230	0.59	0.66	89.39	1.69
11AC80SISO	Ant1	5210	0.29	0.36	80.56	3.45



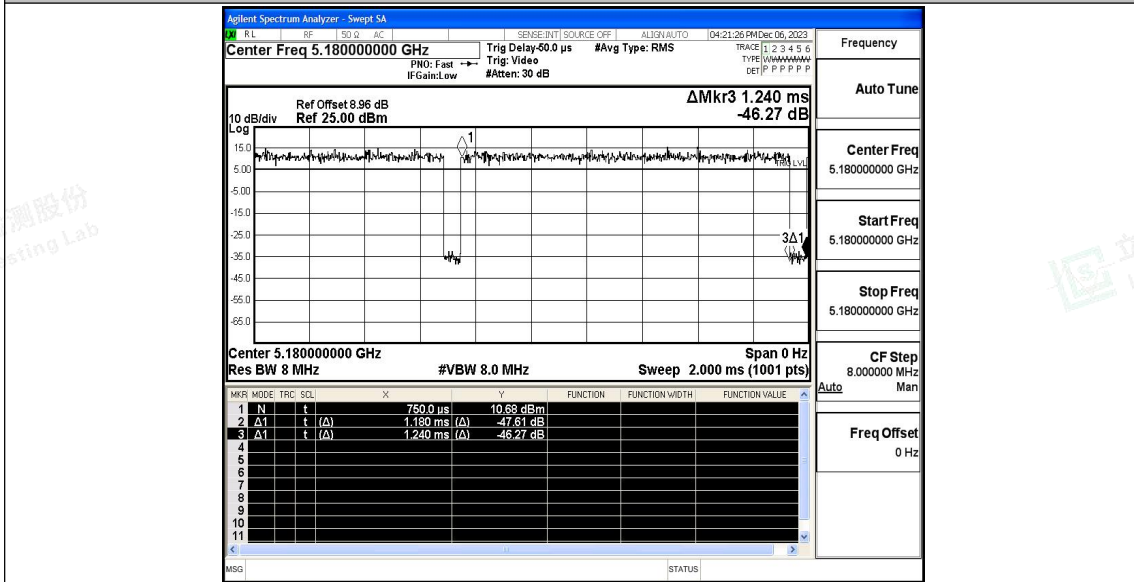


Test Graphs



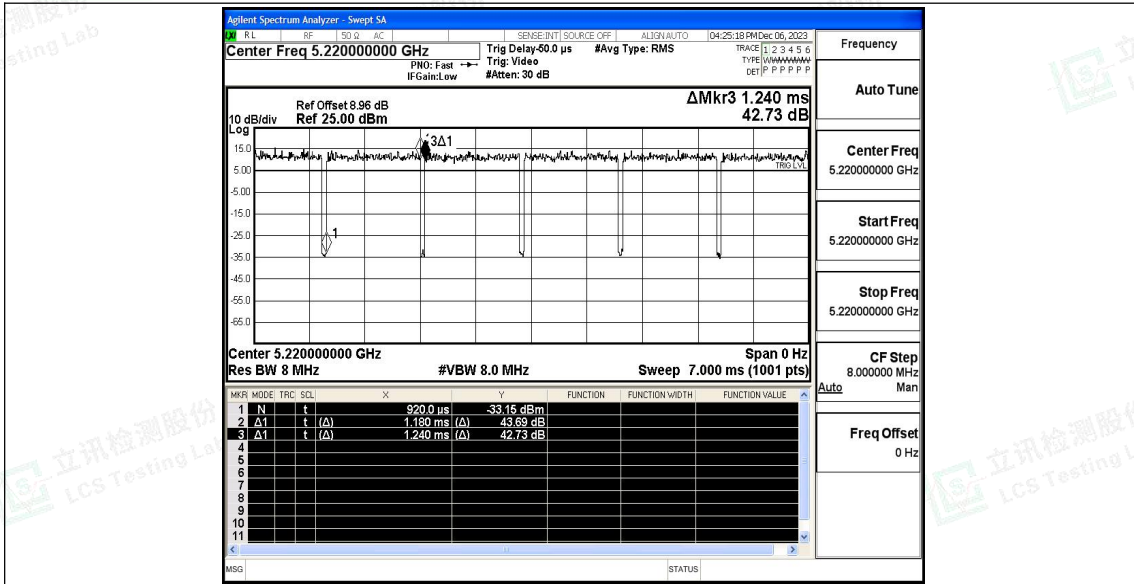


11N20SISO_Ant1_5180

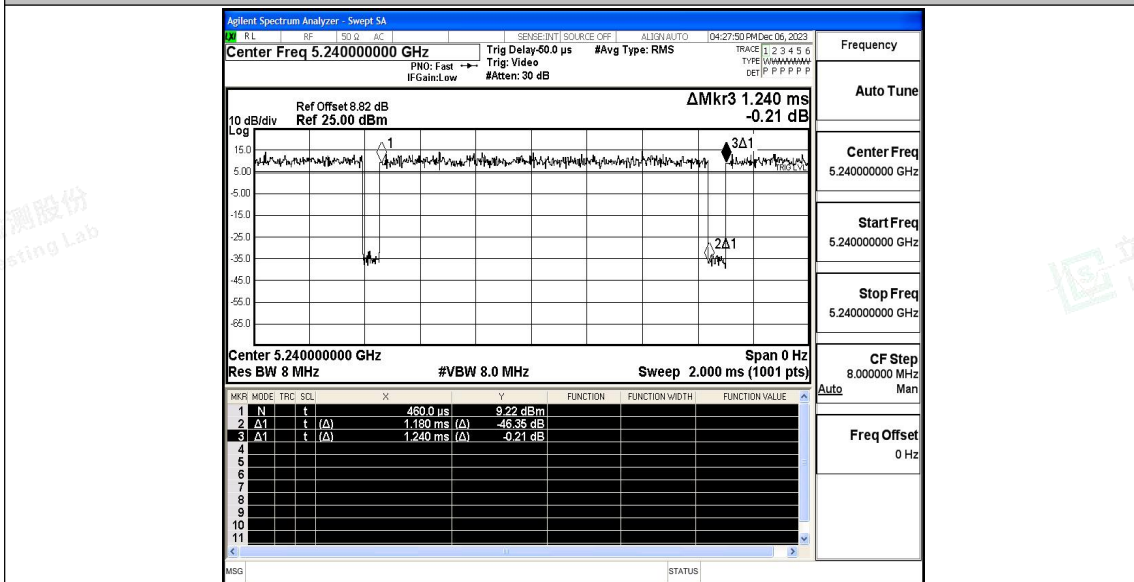


11N20SISO_Ant1_5220



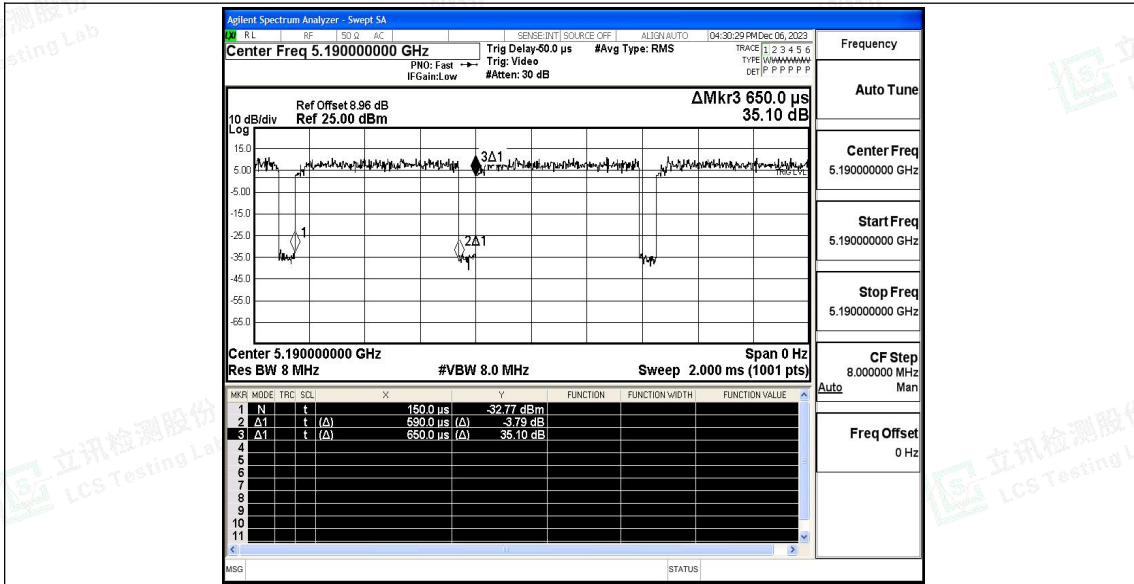


11N20SISO_Ant1_5240

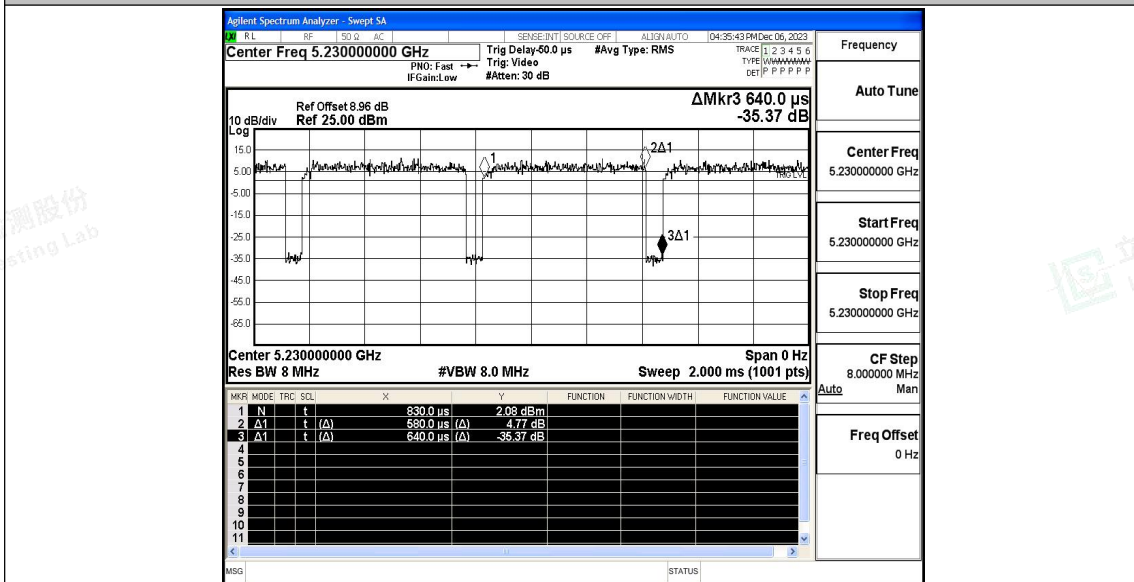


11N40SISO_Ant1_5190



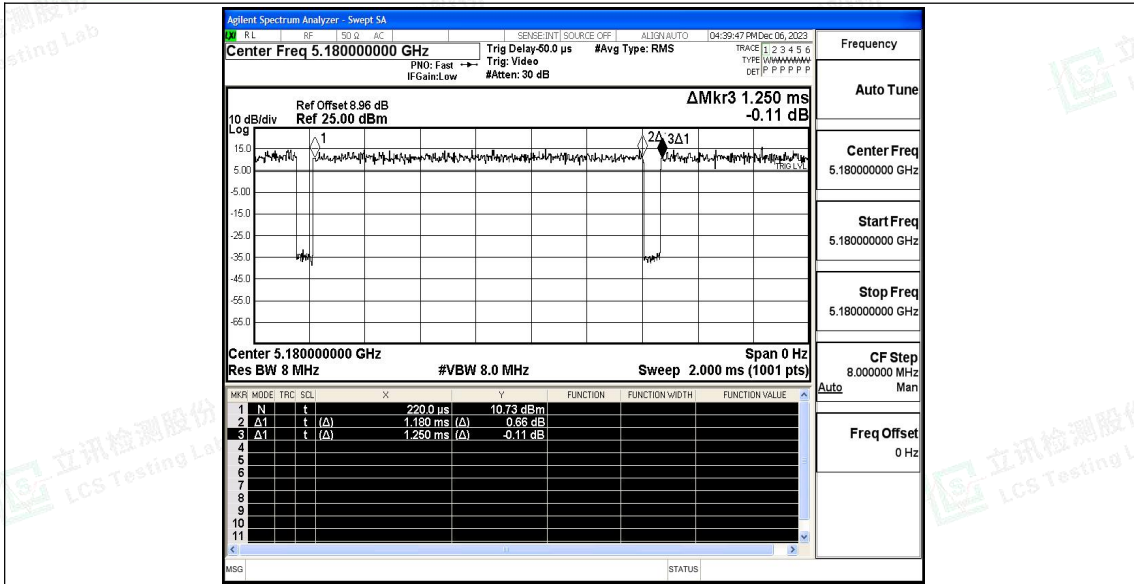


11N40SISO_Ant1_5230

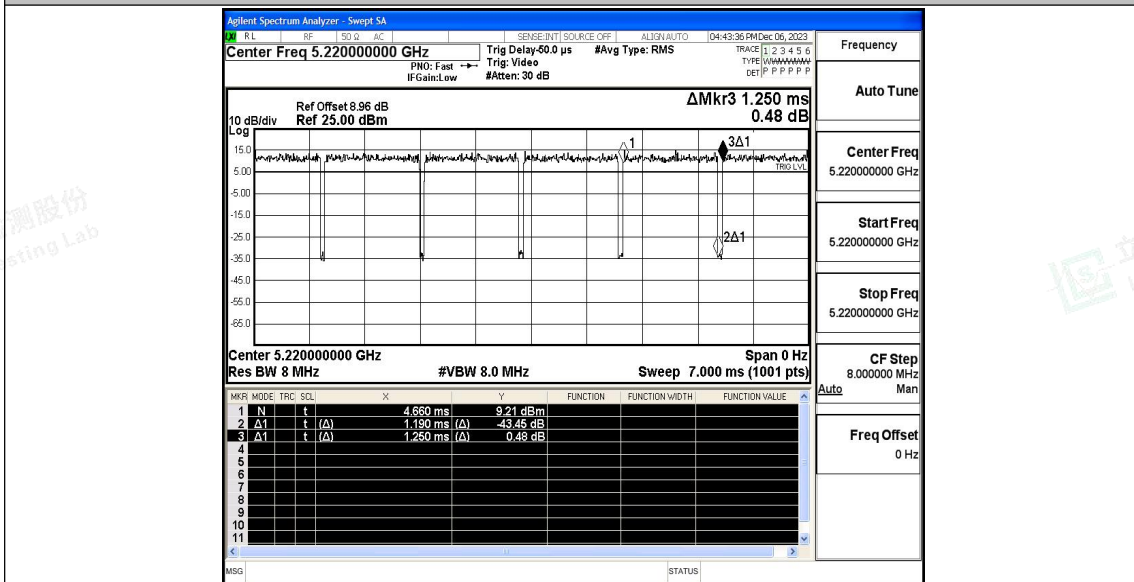


11A20SISO_Ant1_5180



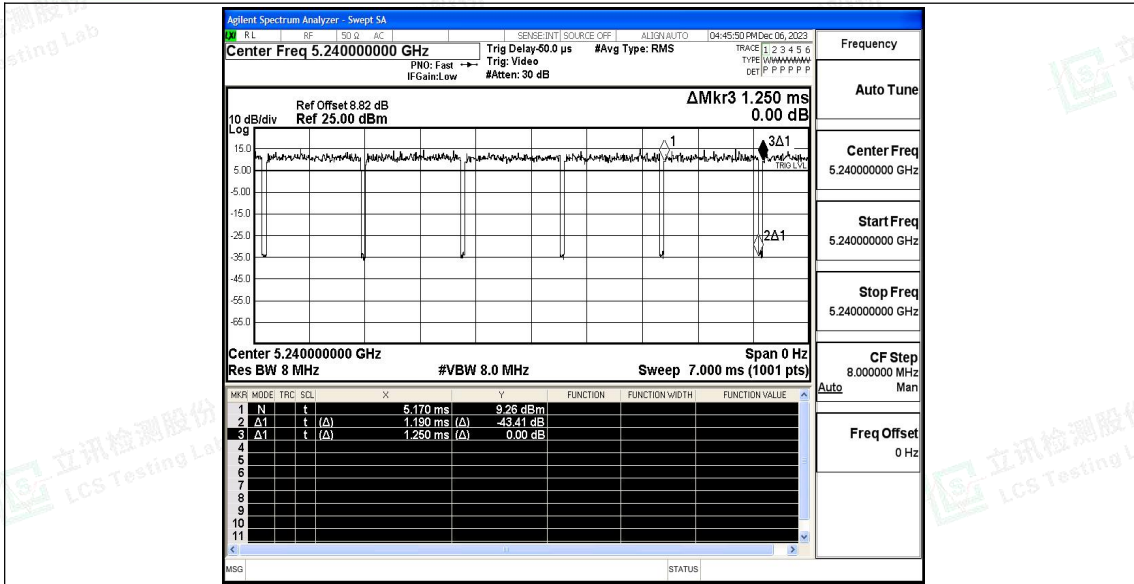


11AC20SISO_Ant1_5220

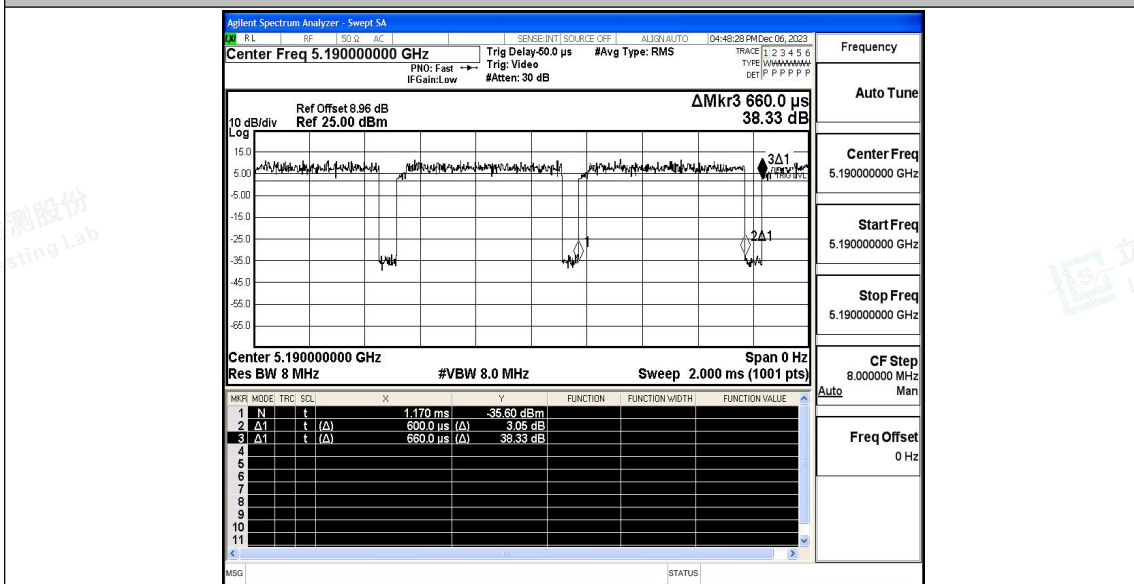


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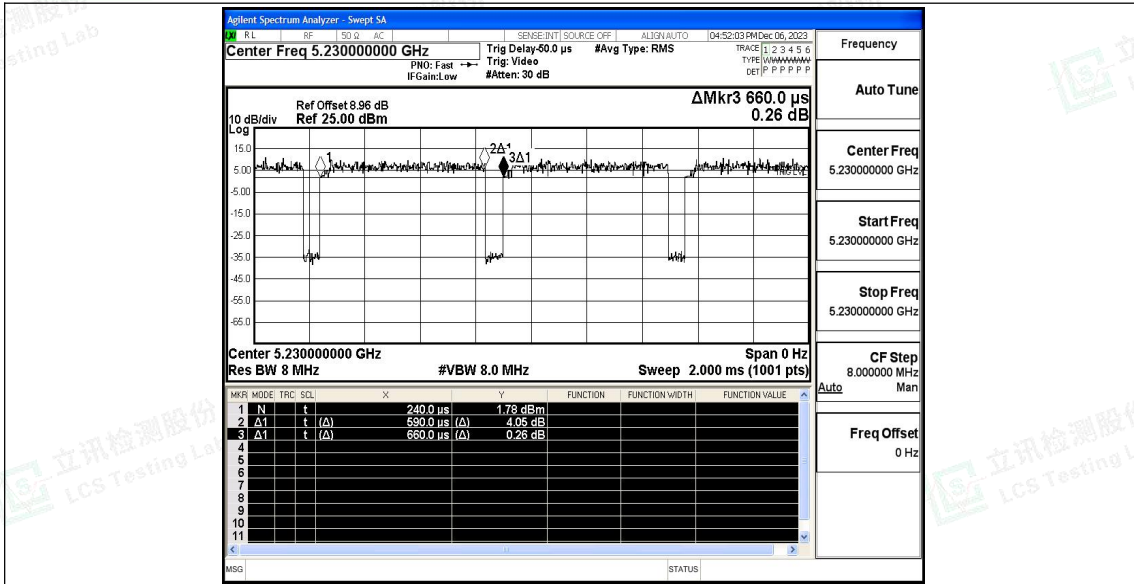


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230





11AC80SISO_Ant1_5210

