



SO				AV	5147.500	-52.76	≤-41.20	42.44	≤54	PASS
				AV	5150.000	-52.52	≤-41.20	42.68	≤54	PASS
				Peak	4500.000	-51.65	≤-21.20	43.55	≤74	PASS
				Peak	5097.100	-43.84	≤-21.20	51.36	≤74	PASS
				Peak	5150.000	-44.44	≤-21.20	50.76	≤74	PASS
		High	5240	AV	5350.000	-55.71	≤-41.20	39.49	≤54	PASS
				AV	5408.400	-55.11	≤-41.20	40.09	≤54	PASS
				AV	5460.000	-56.69	≤-41.20	38.51	≤54	PASS
				Peak	5350.000	-50.08	≤-21.20	45.12	≤74	PASS
				Peak	5350.560	-45.82	≤-21.20	49.38	≤74	PASS
				Peak	5460.000	-49.89	≤-21.20	45.31	≤74	PASS
11AC40SI SO	Ant1	Low	5190	AV	4500.000	-58.62	≤-41.20	36.58	≤54	PASS
				AV	5148.900	-53.19	≤-41.20	42.01	≤54	PASS
				AV	5150.000	-53.55	≤-41.20	41.65	≤54	PASS
				Peak	4500.000	-50.43	≤-21.20	44.77	≤74	PASS
				Peak	5057.200	-45.08	≤-21.20	50.12	≤74	PASS
				Peak	5150.000	-45.89	≤-21.20	49.31	≤74	PASS
		High	5230	AV	5350.000	-55.66	≤-41.20	39.54	≤54	PASS
				AV	5354.180	-55.23	≤-41.20	39.97	≤54	PASS
				AV	5460.000	-56.23	≤-41.20	38.97	≤54	PASS
				Peak	5350.000	-50.15	≤-21.20	45.05	≤74	PASS
				Peak	5407.480	-45.96	≤-21.20	49.24	≤74	PASS
Peak	5460.000	-49.2	≤-21.20	46.00	≤74	PASS				
11AC80SI SO	Ant1	Low	5210	AV	4500.000	-57.99	≤-41.20	37.21	≤54	PASS
				AV	5148.750	-53.13	≤-41.20	42.07	≤54	PASS
				AV	5150.000	-53.74	≤-41.20	41.46	≤54	PASS
				Peak	4500.000	-50.6	≤-21.20	44.60	≤74	PASS
				Peak	5145.750	-44.24	≤-21.20	50.96	≤74	PASS
				Peak	5150.000	-46.2	≤-21.20	49.00	≤74	PASS
		High	5210	AV	5350.000	-55.47	≤-41.20	39.73	≤54	PASS
				AV	5351.360	-55.04	≤-41.20	40.16	≤54	PASS
				AV	5460.000	-56.54	≤-41.20	38.66	≤54	PASS
				Peak	5350.000	-48.93	≤-21.20	46.27	≤74	PASS
				Peak	5363.120	-46.11	≤-21.20	49.09	≤74	PASS
Peak	5460.000	-49.57	≤-21.20	45.63	≤74	PASS				

Note:

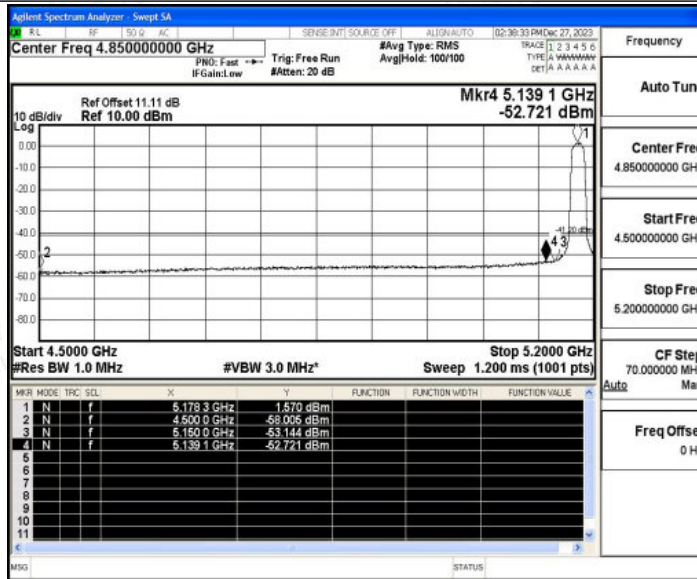
- The Antenna Gain is compensated in the graph. The Correction Factor is compensated in the graph.
- For transmitters operating in 5150-5350 GHz band and 5470-5725 GHz band: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.



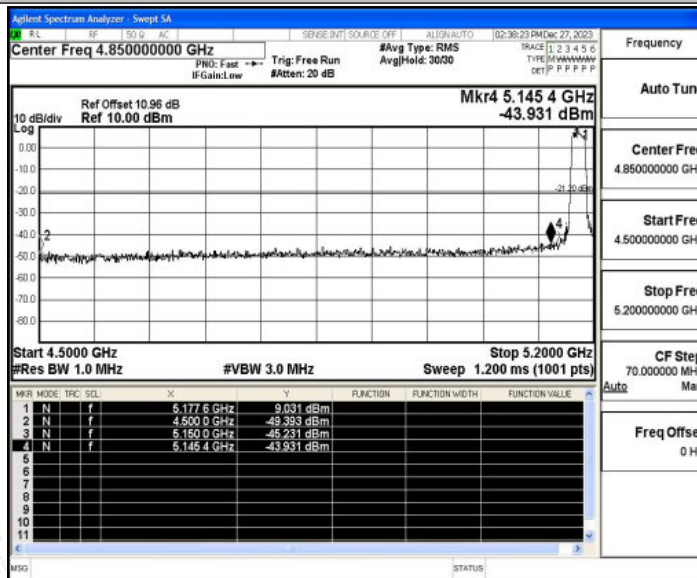


Test Graphs

11A_Ant1_Low_5180_AV

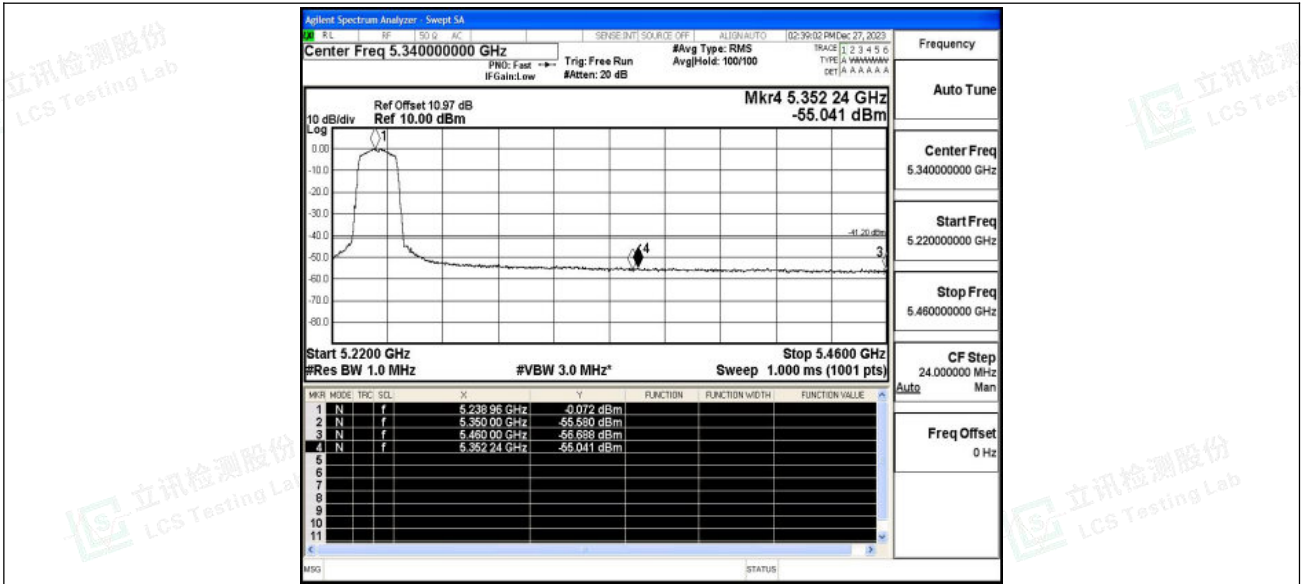


11A_Ant1_Low_5180_Peak

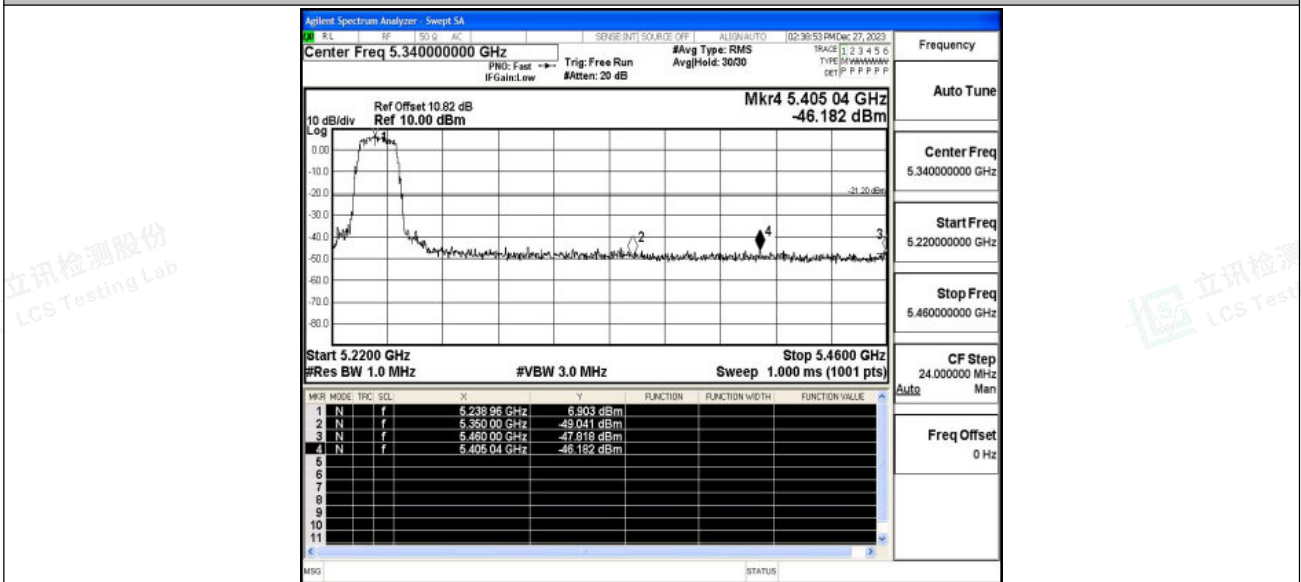


11A_Ant1_High_5240_AV



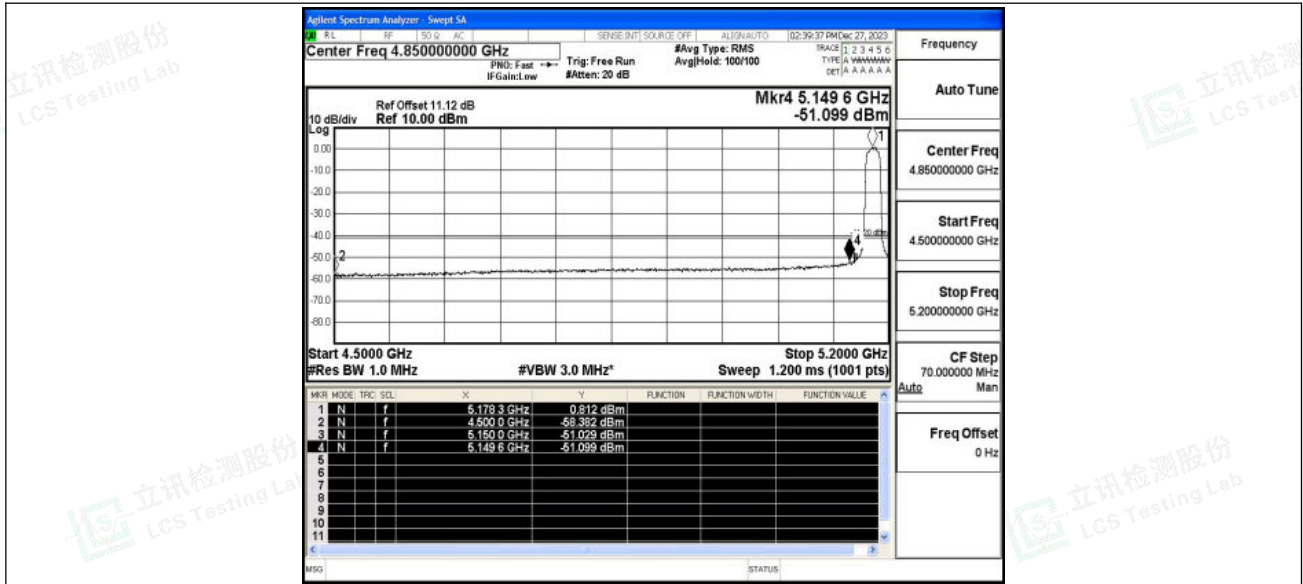


11A_Ant1_High_5240_Peak

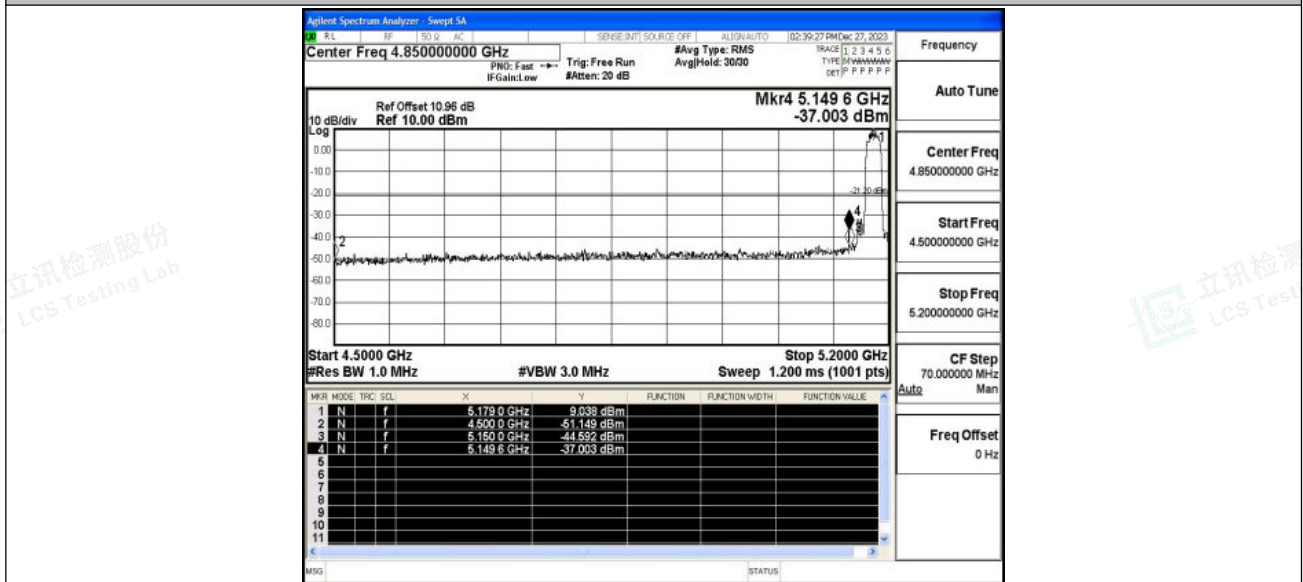


11N20SISO_Ant1_Low_5180_AV



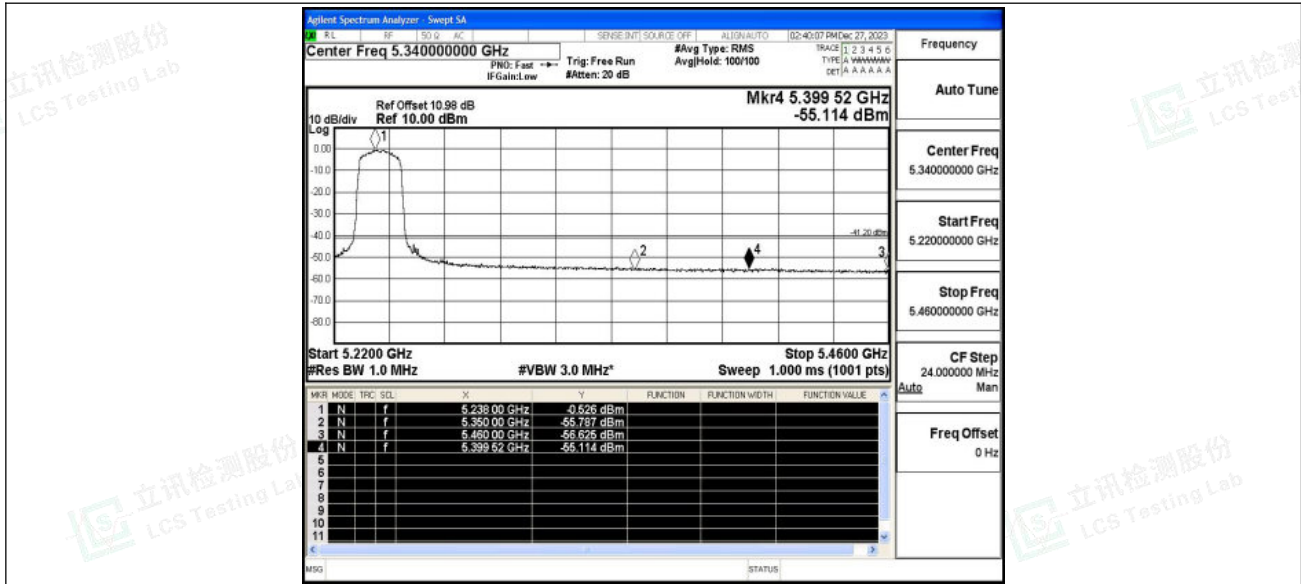


11N20SISO_Ant1_Low_5180_Peak

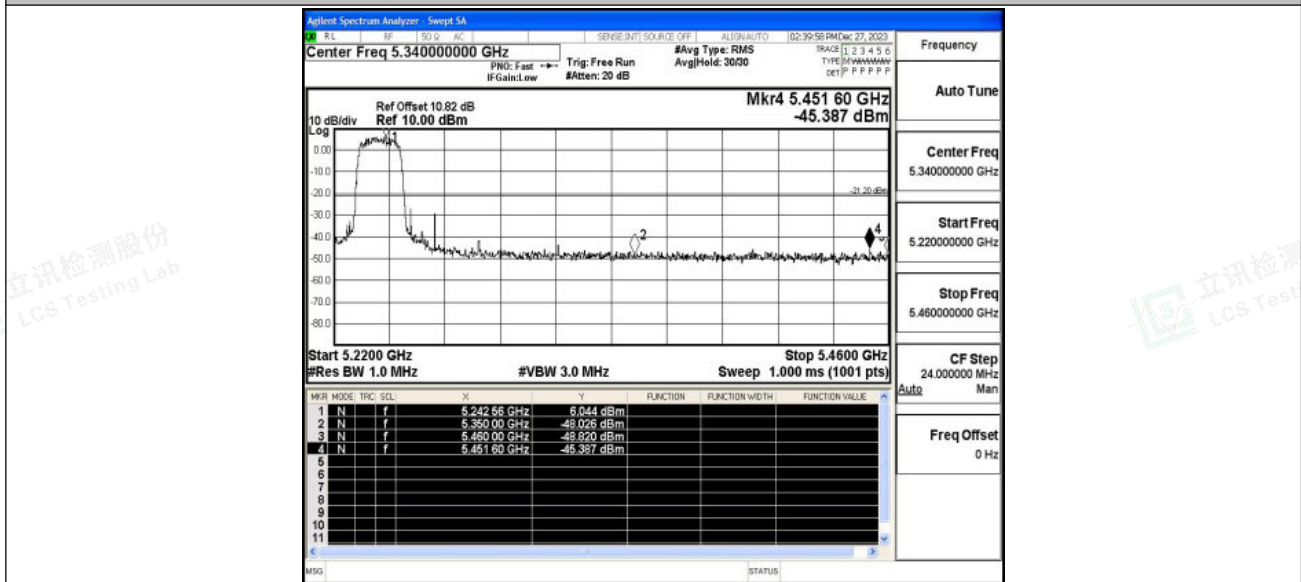


11N20SISO_Ant1_High_5240_AV



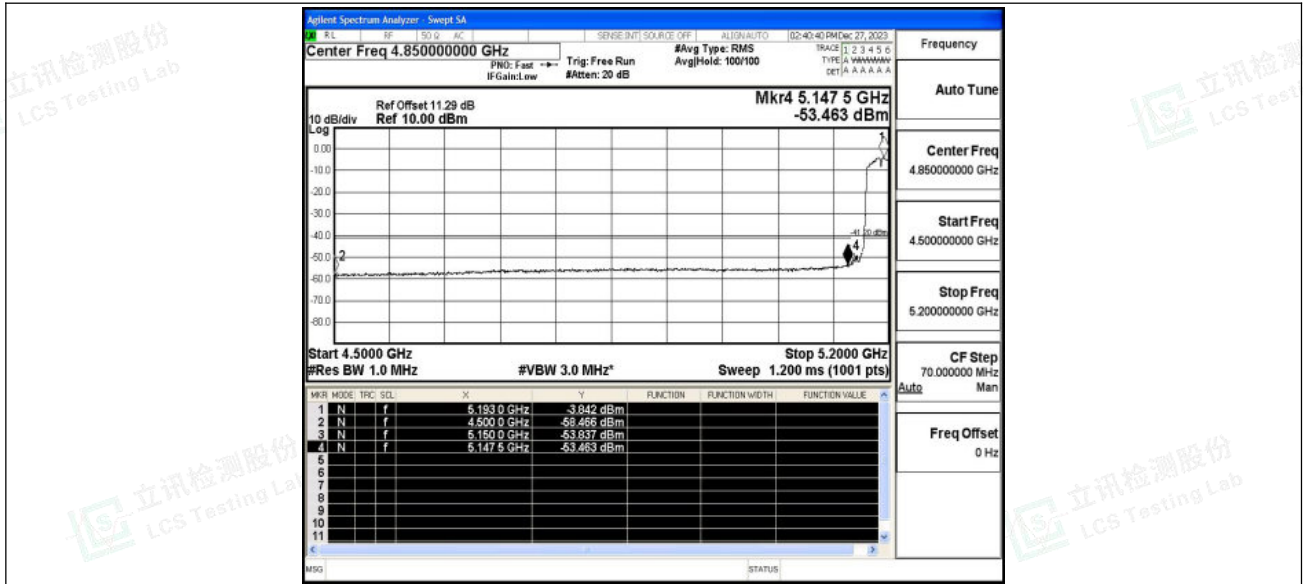


11N20SISO_Ant1_High_5240_Peak

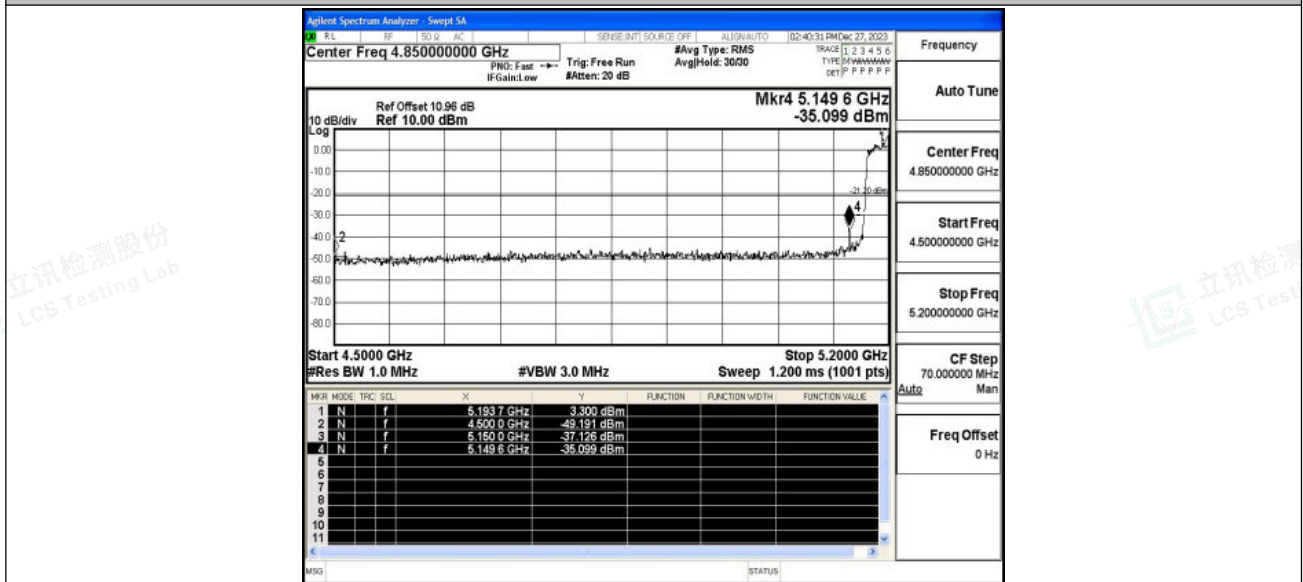


11N40SISO_Ant1_Low_5190_AV



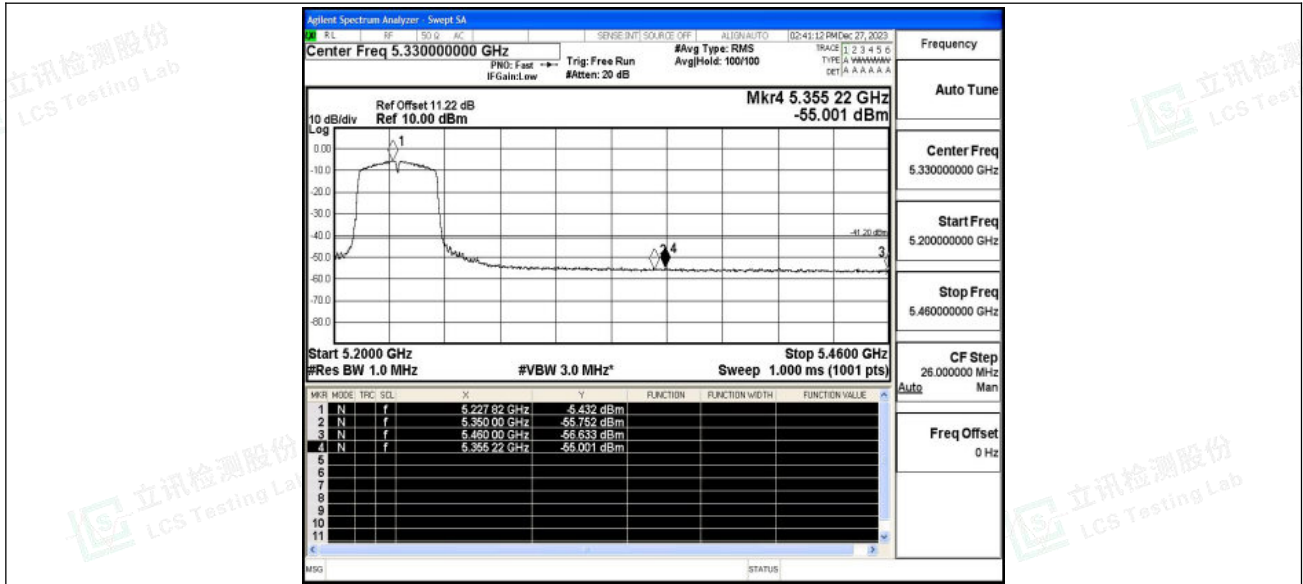


11N40SISO_Ant1_Low_5190_Peak

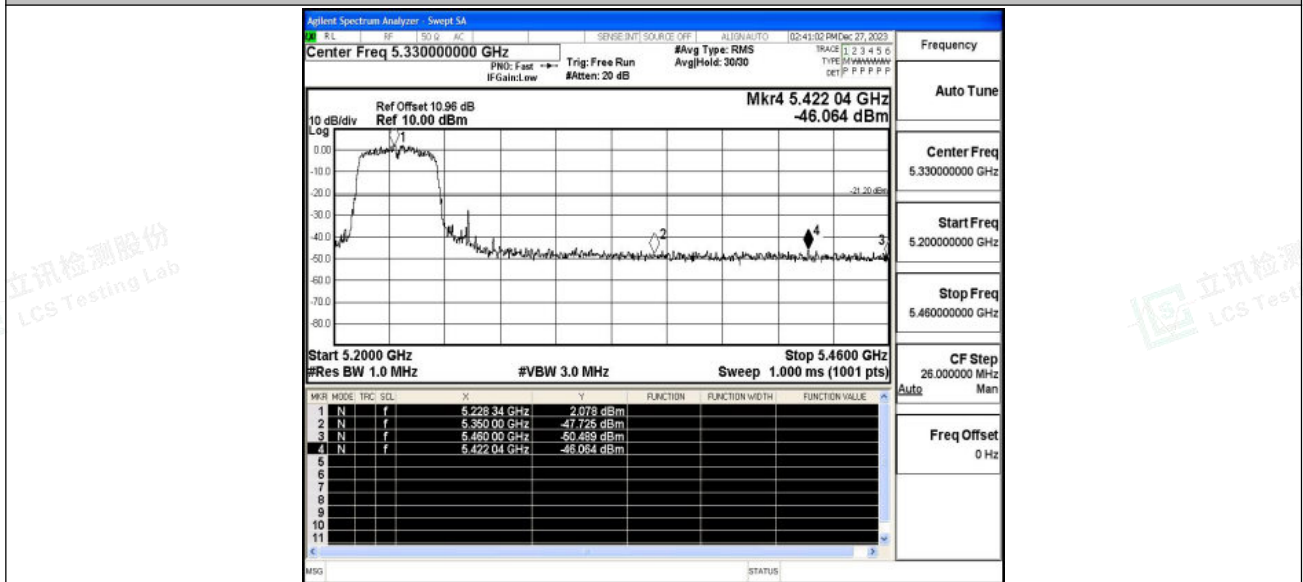


11N40SISO_Ant1_High_5230_AV



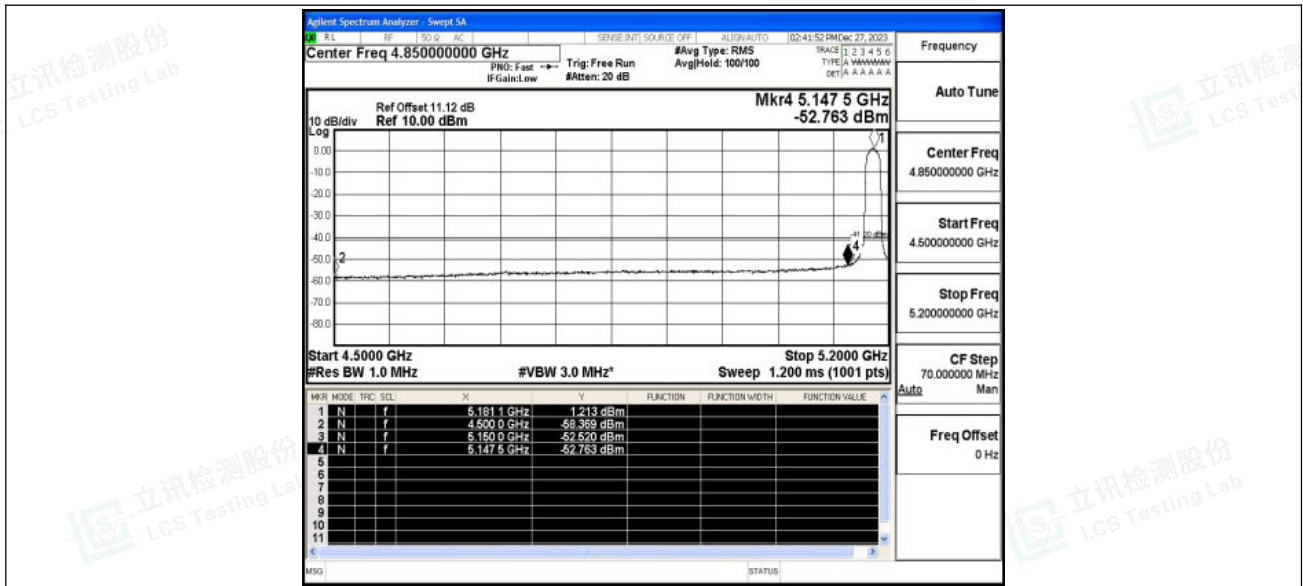


11N40SISO_Ant1_High_5230_Peak

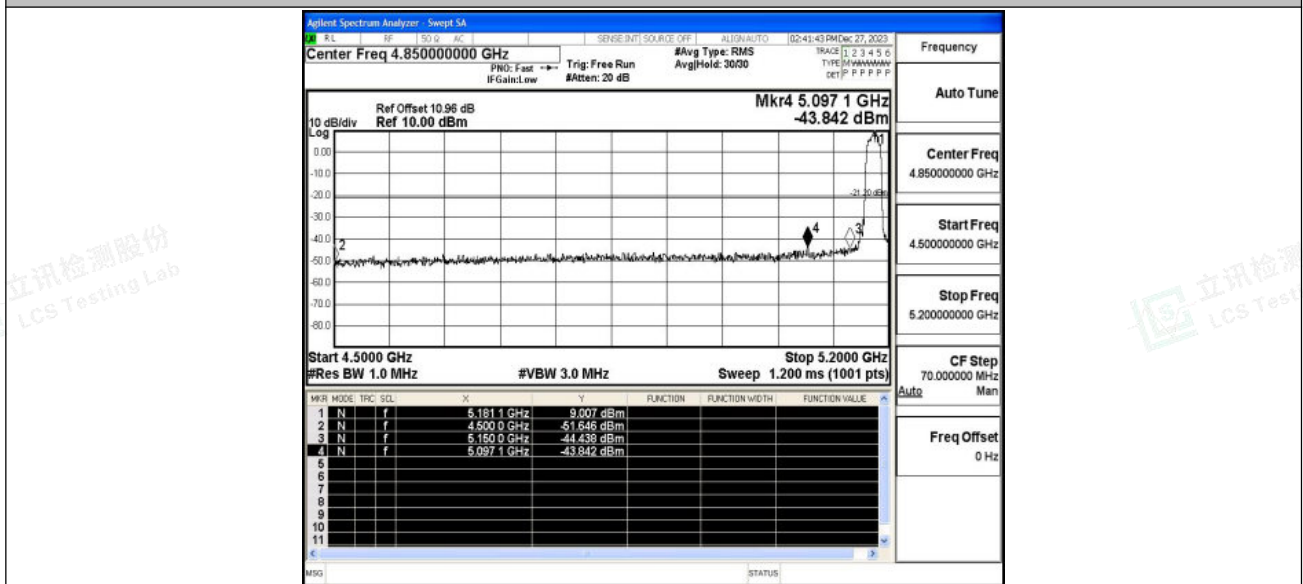


11AC20SISO_Ant1_Low_5180_AV



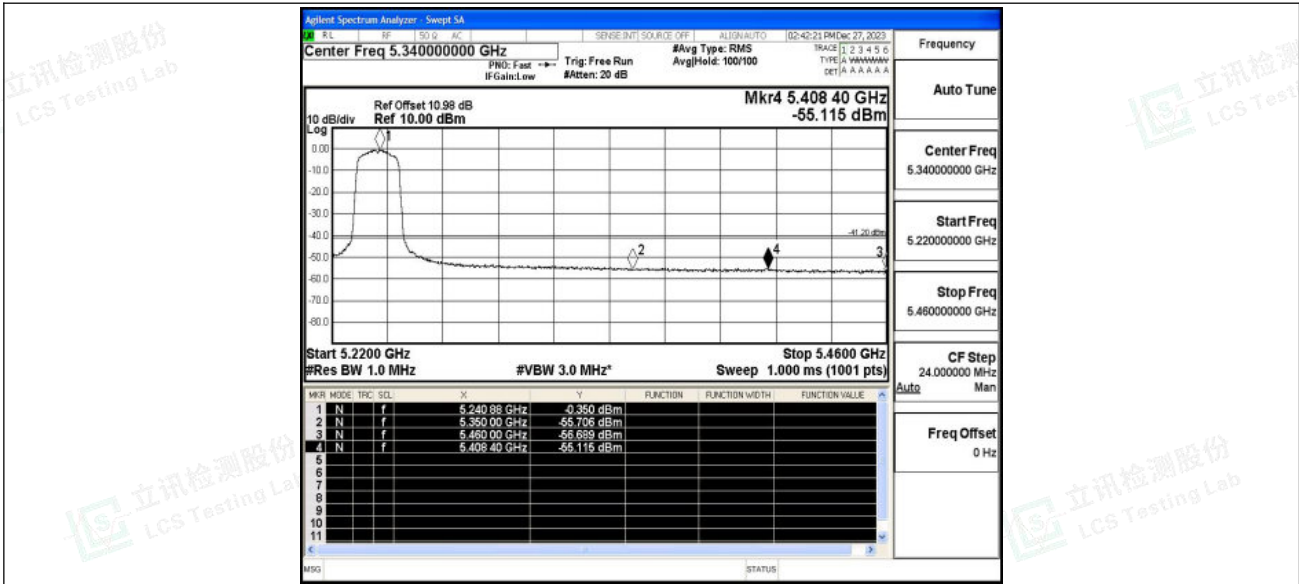


11AC20SISO_Ant1_Low_5180_Peak

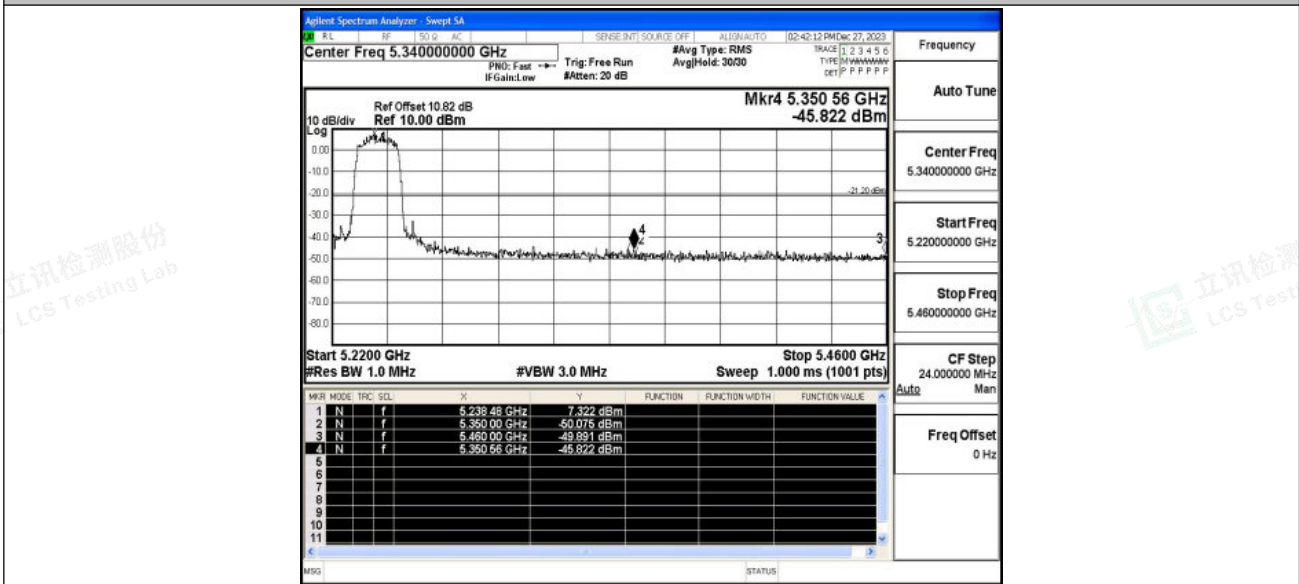


11AC20SISO_Ant1_High_5240_AV



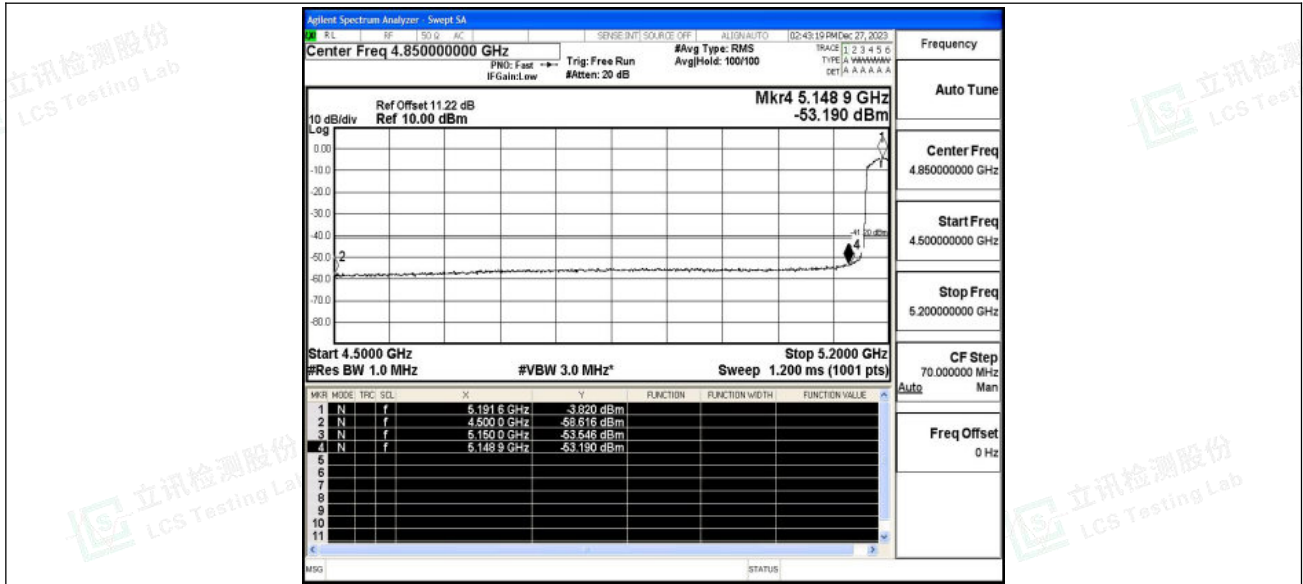


11AC20SISO_Ant1_High_5240_Peak

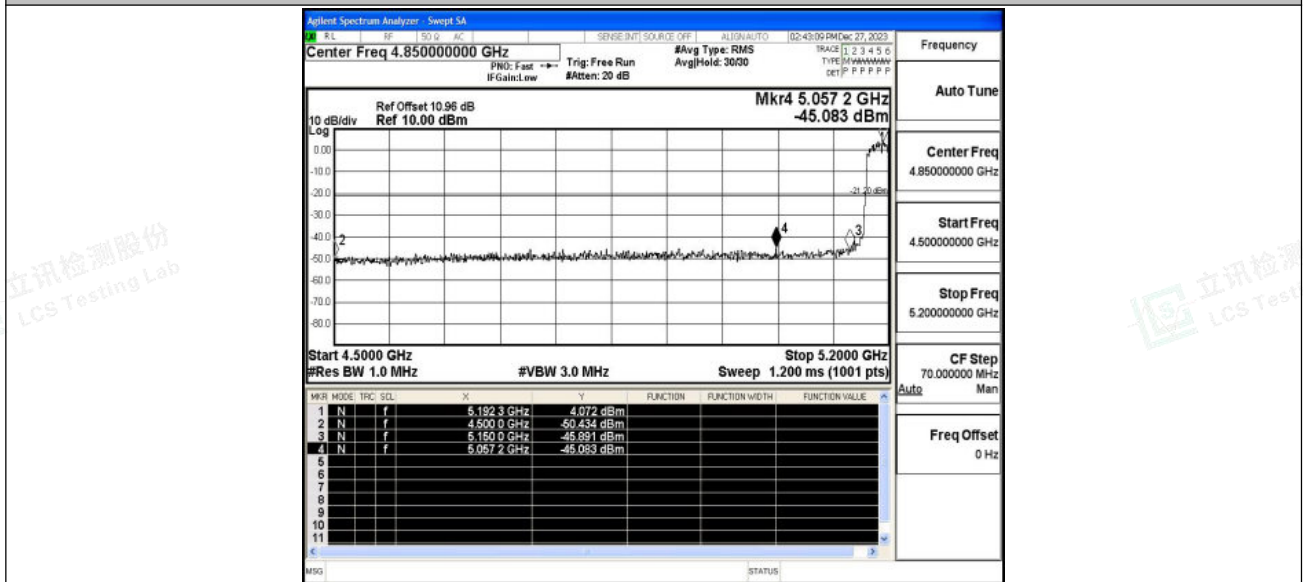


11AC40SISO_Ant1_Low_5190_AV



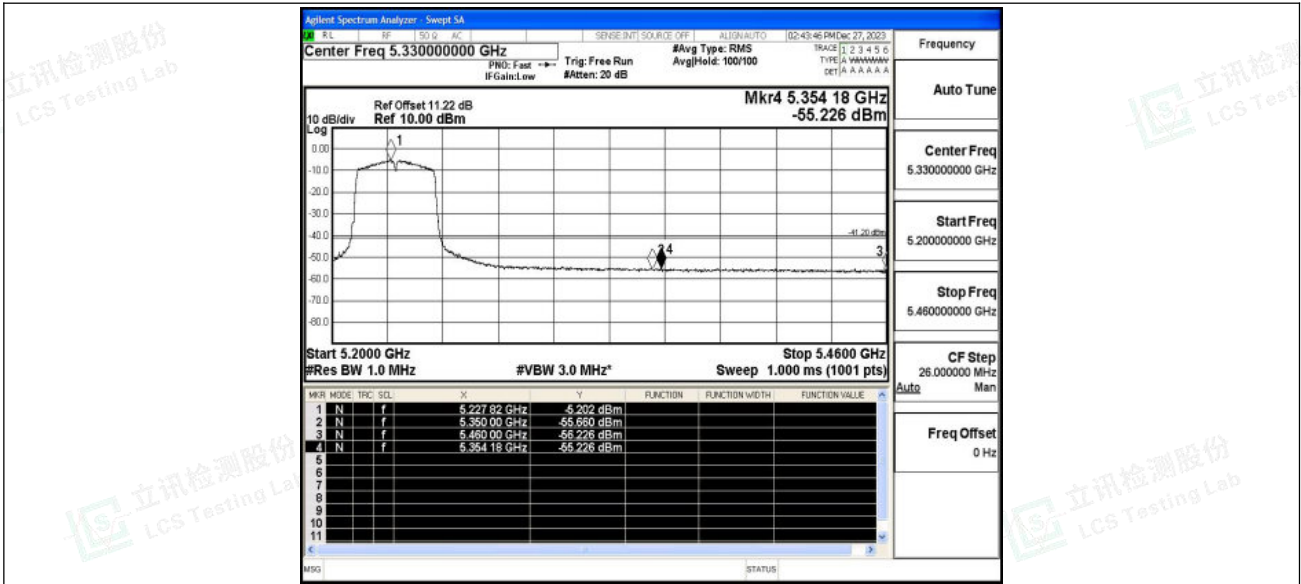


11AC40SISO_Ant1_Low_5190_Peak

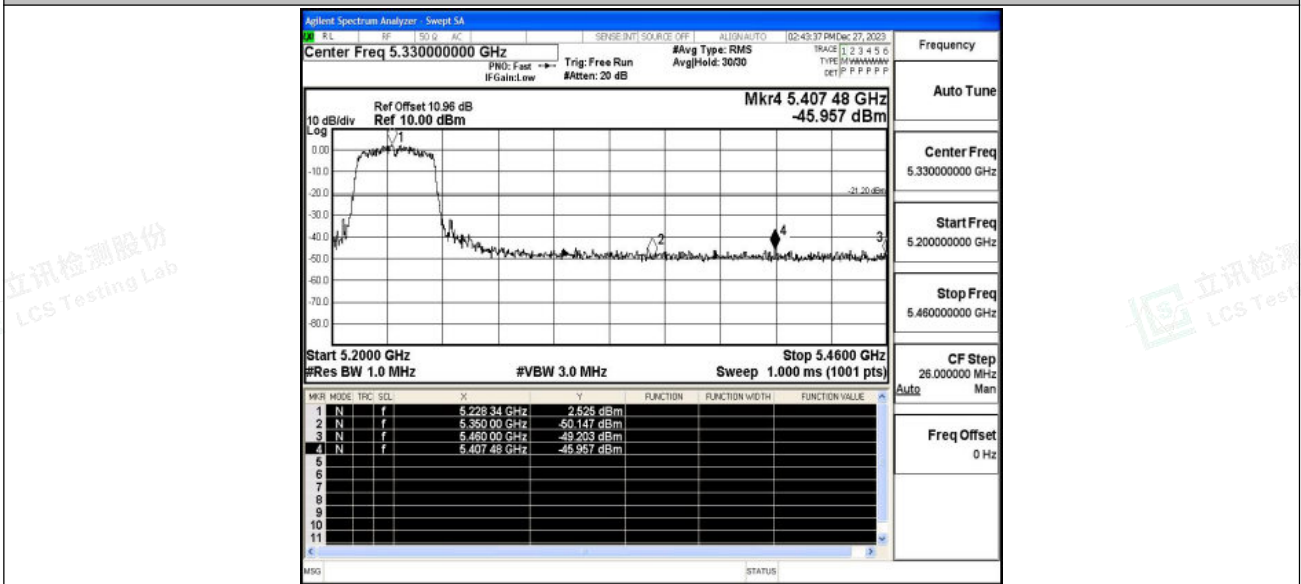


11AC40SISO_Ant1_High_5230_AV



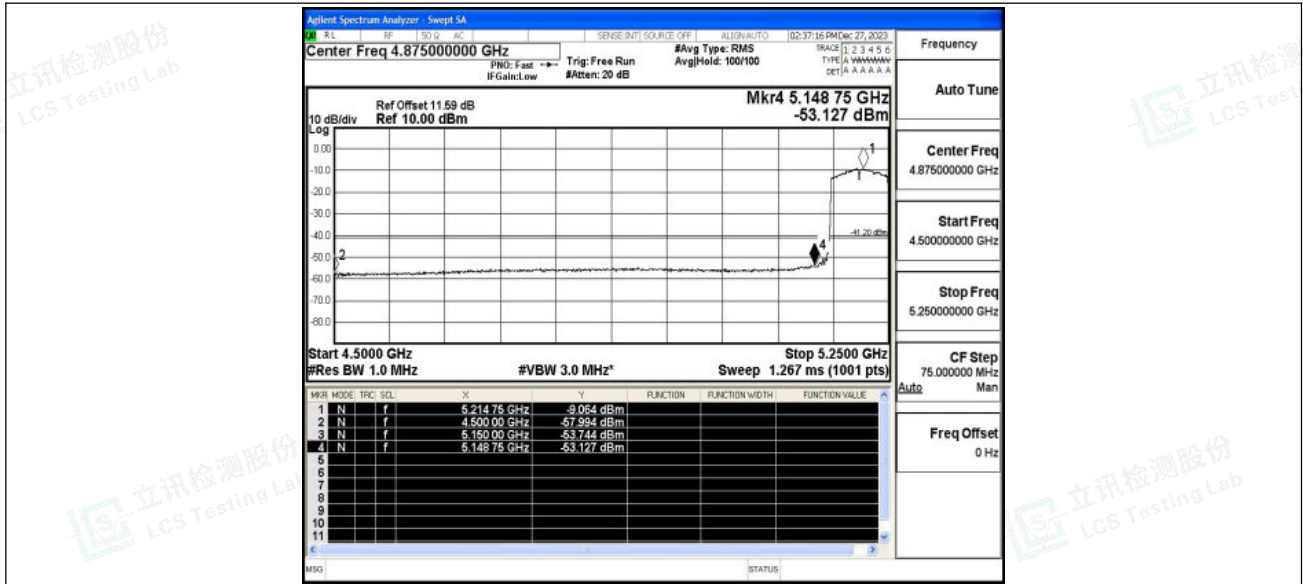


11AC40SISO_Ant1_High_5230_Peak

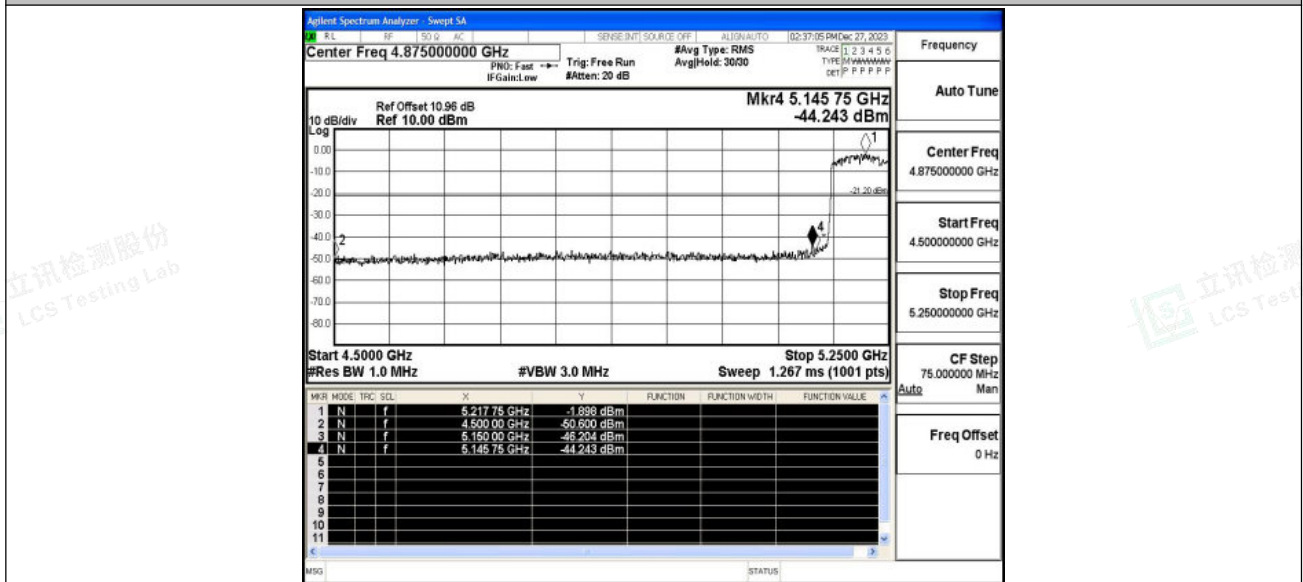


11AC80SISO_Ant1_Low_5210_AV



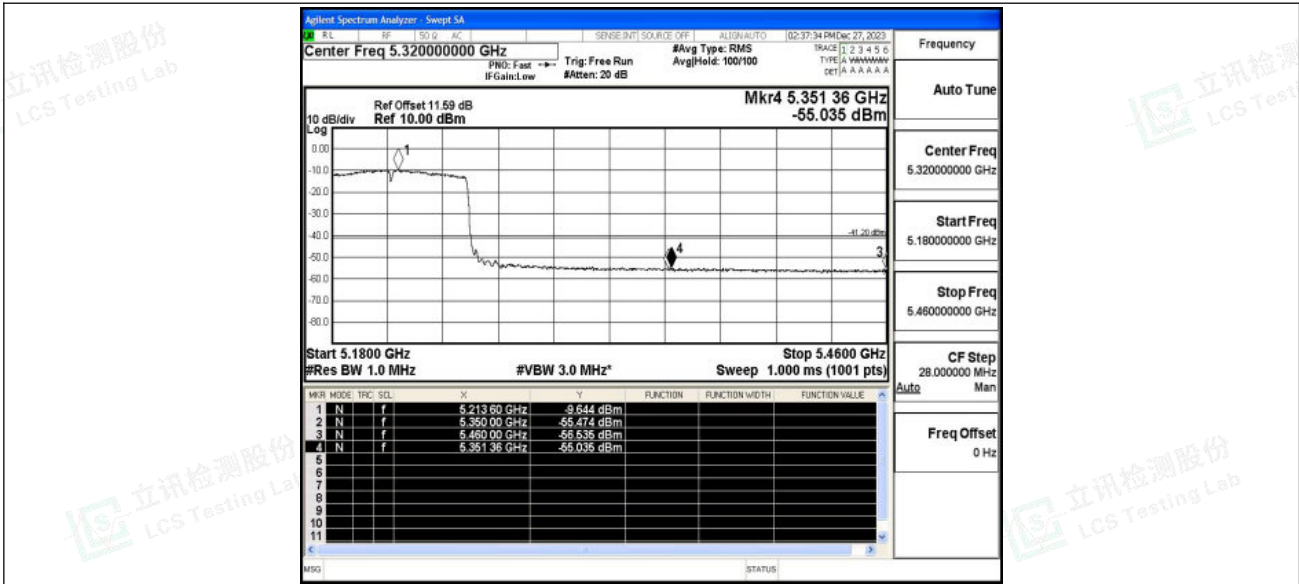


11AC80SISO_Ant1_Low_5210_Peak

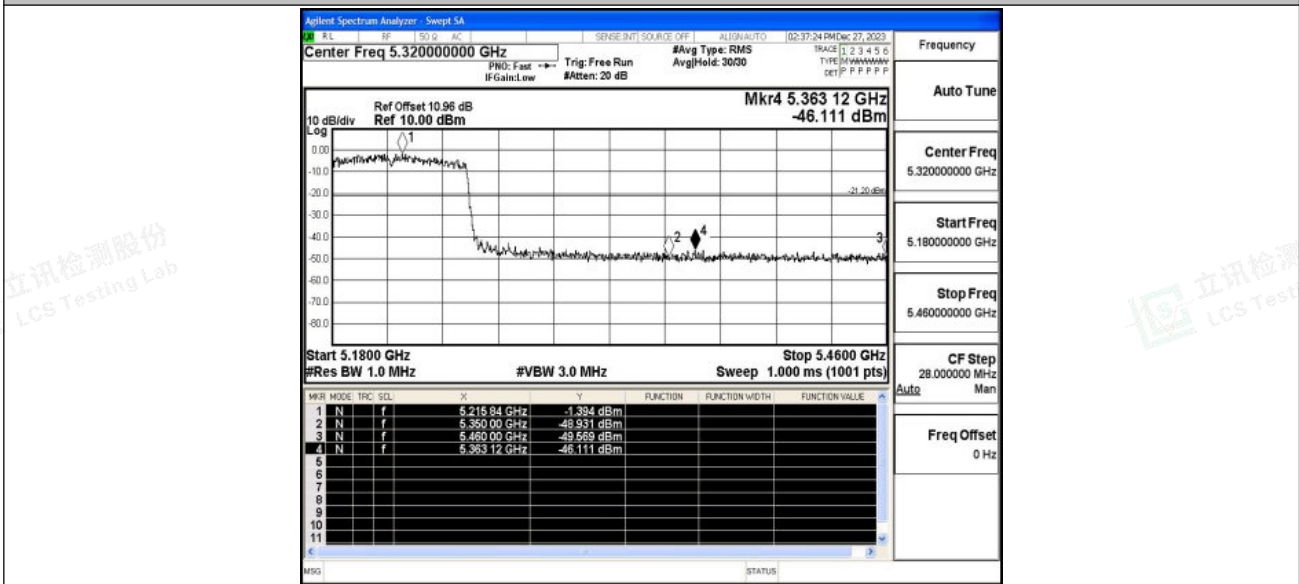


11AC80SISO_Ant1_High_5210_AV





11AC80SISO_Ant1_High_5210_Peak





MIMO

Condition	Mode	Frequency (MHz)	ANT0 Power (dBm)	ANT1 Power (dBm)	Total E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	n20	5180	-58.83	-58.38	39.64	AV	≤54	Pass
NVNT	n20	5180	-52.26	-51.1	46.60	AV	≤54	Pass
NVNT	n20	5180	-53.03	-51.03	46.32	AV	≤54	Pass
NVNT	n20	5180	-51.61	-51.15	46.86	Peak	≤74	Pass
NVNT	n20	5180	-43.71	-37	59.07	Peak	≤74	Pass
NVNT	n20	5180	-46.97	-44.59	52.62	Peak	≤74	Pass
NVNT	n20	5240	-55.17	-55.79	42.77	AV	≤54	Pass
NVNT	n20	5240	-54.86	-55.11	43.25	AV	≤54	Pass
NVNT	n20	5240	-56.59	-56.63	41.63	AV	≤54	Pass
NVNT	n20	5240	-46.62	-48.03	50.97	Peak	≤74	Pass
NVNT	n20	5240	-45.74	-45.39	52.68	Peak	≤74	Pass
NVNT	n20	5240	-49.32	-48.82	49.18	Peak	≤74	Pass
NVNT	n40	5190	-58.07	-58.47	39.97	AV	≤54	Pass
NVNT	n40	5190	-53.21	-53.46	44.90	AV	≤54	Pass
NVNT	n40	5190	-53.56	-53.84	44.54	AV	≤54	Pass
NVNT	n40	5190	-52.05	-49.19	47.85	Peak	≤74	Pass
NVNT	n40	5190	-44.91	-35.1	60.56	Peak	≤74	Pass
NVNT	n40	5190	-47.14	-37.13	58.51	Peak	≤74	Pass
NVNT	n40	5230	-55.66	-55.75	42.53	AV	≤54	Pass
NVNT	n40	5230	-55.11	-55	43.18	AV	≤54	Pass
NVNT	n40	5230	-56.55	-56.63	41.65	AV	≤54	Pass
NVNT	n40	5230	-48.2	-47.73	50.28	Peak	≤74	Pass
NVNT	n40	5230	-44.51	-46.06	53.02	Peak	≤74	Pass
NVNT	n40	5230	-50.16	-50.49	47.92	Peak	≤74	Pass
NVNT	ac20	5180	-57.98	-58.37	40.07	AV	≤54	Pass
NVNT	ac20	5180	-52.7	-52.76	45.51	AV	≤54	Pass
NVNT	ac20	5180	-53.19	-52.52	45.40	AV	≤54	Pass
NVNT	ac20	5180	-49.21	-51.65	47.98	Peak	≤74	Pass
NVNT	ac20	5180	-43.49	-43.84	54.58	Peak	≤74	Pass
NVNT	ac20	5180	-47.13	-44.44	52.66	Peak	≤74	Pass
NVNT	ac20	5240	-55.36	-55.71	42.71	AV	≤54	Pass
NVNT	ac20	5240	-54.91	-55.11	43.23	AV	≤54	Pass
NVNT	ac20	5240	-56.45	-56.69	41.67	AV	≤54	Pass
NVNT	ac20	5240	-49.21	-50.08	48.61	Peak	≤74	Pass
NVNT	ac20	5240	-45.81	-45.82	52.42	Peak	≤74	Pass
NVNT	ac20	5240	-51.1	-49.89	47.78	Peak	≤74	Pass
NVNT	ac40	5190	-58.29	-58.62	39.79	AV	≤54	Pass
NVNT	ac40	5190	-53.01	-53.19	45.14	AV	≤54	Pass
NVNT	ac40	5190	-53.14	-53.55	44.90	AV	≤54	Pass



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 Scan code to check authenticity



NVNT	ac40	5190	-51.32	-50.43	47.39	Peak	≤74	Pass
NVNT	ac40	5190	-44.64	-45.08	53.38	Peak	≤74	Pass
NVNT	ac40	5190	-46.72	-45.89	51.95	Peak	≤74	Pass
NVNT	ac40	5230	-55.4	-55.66	42.71	AV	≤54	Pass
NVNT	ac40	5230	-54.91	-55.23	43.17	AV	≤54	Pass
NVNT	ac40	5230	-56.72	-56.23	41.77	AV	≤54	Pass
NVNT	ac40	5230	-50.71	-50.15	47.82	Peak	≤74	Pass
NVNT	ac40	5230	-46.38	-45.96	52.07	Peak	≤74	Pass
NVNT	ac40	5230	-49.46	-49.2	48.91	Peak	≤74	Pass
NVNT	ac80	5210	-57.91	-57.99	40.29	AV	≤54	Pass
NVNT	ac80	5210	-53.17	-53.13	45.09	AV	≤54	Pass
NVNT	ac80	5210	-54.06	-53.74	44.34	AV	≤54	Pass
NVNT	ac80	5210	-50.9	-50.6	47.49	Peak	≤74	Pass
NVNT	ac80	5210	-44.41	-44.24	53.91	Peak	≤74	Pass
NVNT	ac80	5210	-48.13	-46.2	51.18	Peak	≤74	Pass
NVNT	ac80	5210	-55.79	-55.47	42.61	AV	≤54	Pass
NVNT	ac80	5210	-54.86	-55.04	43.29	AV	≤54	Pass
NVNT	ac80	5210	-56.04	-56.54	41.96	AV	≤54	Pass
NVNT	ac80	5210	-50.5	-48.93	48.59	Peak	≤74	Pass
NVNT	ac80	5210	-46.07	-46.11	52.15	Peak	≤74	Pass
NVNT	ac80	5210	-49.3	-49.57	48.80	Peak	≤74	Pass

Note: The Correction Factor is compensated in the graph.





D.5 Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant0	5180	NV	NT	0.00	0.000000	20	PASS
			LV	NT	-20000.00	-3.861004	20	PASS
			HV	NT	-20000.00	-3.861004	20	PASS
		5220	NV	NT	-20000.00	-3.831418	20	PASS
			LV	NT	-40000.00	-7.662835	20	PASS
			HV	NT	-20000.00	-3.831418	20	PASS
		5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	-40000.00	-7.633588	20	PASS
11N40SISO	Ant0	5190	NV	NT	-40000.00	-7.707129	20	PASS
			LV	NT	-40000.00	-7.707129	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5230	NV	NT	-40000.00	-7.648184	20	PASS
			LV	NT	0.00	0.000000	20	PASS
11AC80SISO	Ant0	5210	NV	NT	0.00	0.000000	20	PASS
			LV	NT	0.00	0.000000	20	PASS
			HV	NT	0.00	0.000000	20	PASS

Temperature								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant0	5180	NV	-30	-20000.00	-3.861004	20	PASS
			NV	-20	-20000.00	-3.861004	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	-20000.00	-3.861004	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	-20000.00	-3.831418	20	PASS
			NV	-20	-20000.00	-3.831418	20	PASS
			NV	-10	-20000.00	-3.831418	20	PASS
			NV	0	-20000.00	-3.831418	20	PASS
			NV	10	-20000.00	-3.831418	20	PASS





			NV	10	-40000.00	-7.662835	20	PASS		
			NV	20	0.00	0.000000	20	PASS		
			NV	30	40000.00	7.662835	20	PASS		
			NV	40	-40000.00	-7.662835	20	PASS		
			NV	50	-40000.00	-7.662835	20	PASS		
		5240	NV	-30	-20000.00	-3.816794	20	PASS		
			NV	-20	-20000.00	-3.816794	20	PASS		
			NV	-10	0.00	0.000000	20	PASS		
			NV	0	-40000.00	-7.633588	20	PASS		
			NV	10	-40000.00	-7.633588	20	PASS		
			NV	20	-20000.00	-3.816794	20	PASS		
			NV	30	-40000.00	-7.633588	20	PASS		
			NV	40	-20000.00	-3.816794	20	PASS		
			NV	50	0.00	0.000000	20	PASS		
		11N40SISO	Ant0	5190	NV	-30	40000.00	7.707129	20	PASS
					NV	-20	-40000.00	-7.707129	20	PASS
					NV	-10	40000.00	7.707129	20	PASS
					NV	0	40000.00	7.707129	20	PASS
					NV	10	-40000.00	-7.707129	20	PASS
NV	20				40000.00	7.707129	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	0.00	0.000000	20	PASS		
	NV			-10	-40000.00	-7.648184	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	-40000.00	-7.648184	20	PASS		
11AC80SIS O	Ant0	5210	NV	-30	-80000.00	-15.355086	20	PASS		
			NV	-20	80000.00	15.355086	20	PASS		
			NV	-10	-80000.00	-15.355086	20	PASS		
			NV	0	-80000.00	-15.355086	20	PASS		
			NV	10	0.00	0.000000	20	PASS		
			NV	20	-80000.00	-15.355086	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		





Test Result

Voltage								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-20000.00	-3.861004	20	PASS
			LV	NT	20000.00	3.861004	20	PASS
			HV	NT	0.00	0.000000	20	PASS
		5220	NV	NT	-20000.00	-3.831418	20	PASS
			LV	NT	-20000.00	-3.831418	20	PASS
			HV	NT	-20000.00	-3.831418	20	PASS
		5240	NV	NT	0.00	0.000000	20	PASS
			LV	NT	20000.00	3.816794	20	PASS
			HV	NT	-20000.00	-3.816794	20	PASS
11N40SISO	Ant1	5190	NV	NT	-40000.00	-7.707129	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	0.00	0.000000	20	PASS
11AC80SISO	Ant1	5210	NV	NT	-80000.00	-15.355086	20	PASS
			LV	NT	80000.00	15.355086	20	PASS
			HV	NT	80000.00	15.355086	20	PASS

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





		5240	NV	30	-20000.00	-3.831418	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
			NV	-30	0.00	0.000000	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	0.00	0.000000	20	PASS
			NV	20	0.00	0.000000	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
11N40SISO	Ant1	5190	NV	-30	-40000.00	-7.707129	20	PASS
			NV	-20	0.00	0.000000	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	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS
		5230	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	-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
11AC80SIS O	Ant1	5210	NV	-30	80000.00	15.355086	20	PASS
			NV	-20	0.00	0.000000	20	PASS
			NV	-10	-80000.00	-15.355086	20	PASS
			NV	0	0.00	0.000000	20	PASS
			NV	10	80000.00	15.355086	20	PASS
			NV	20	-80000.00	-15.355086	20	PASS
			NV	30	-80000.00	-15.355086	20	PASS
			NV	40	0.00	0.000000	20	PASS
			NV	50	0.00	0.000000	20	PASS





D.6 Duty Cycle

Test Result

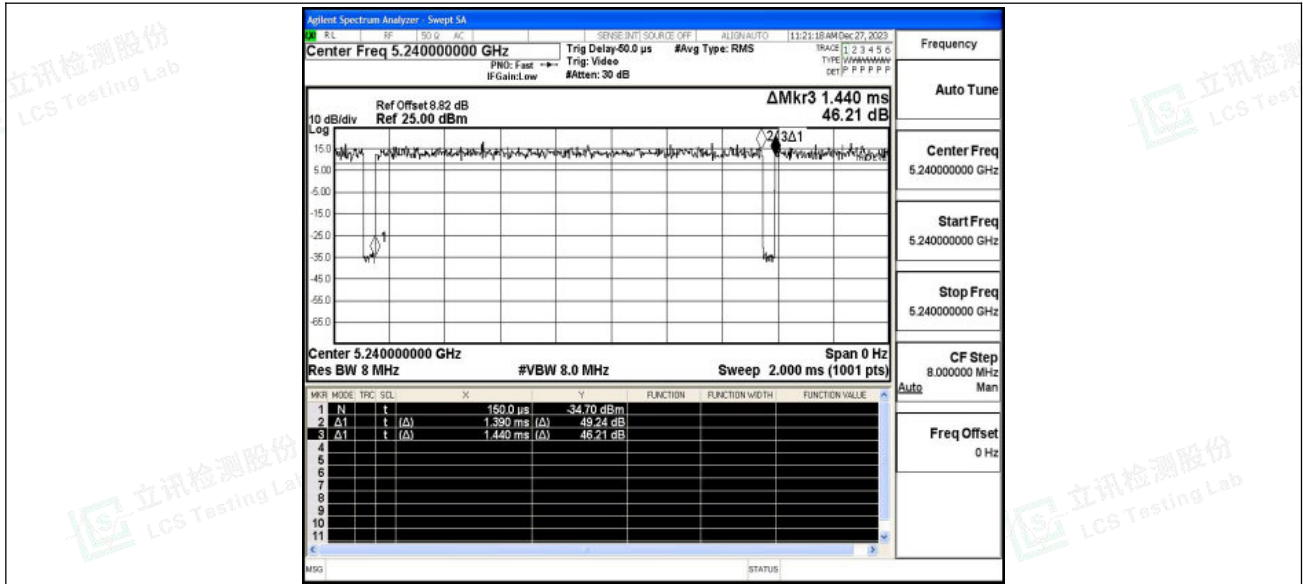
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Correction Factor (dB)
11A	Ant0	5180	1.38	1.43	96.50	0.15
		5220	1.39	1.44	96.53	0.15
		5240	1.39	1.44	96.53	0.15
11N20SISO	Ant0	5180	1.30	1.34	97.01	0.13
		5220	1.30	1.35	96.30	0.16
		5240	1.30	1.34	97.01	0.13
11N40SISO	Ant0	5190	0.64	0.69	92.75	0.33
		5230	0.65	0.70	92.86	0.32
11AC20SISO	Ant0	5180	1.31	1.36	96.32	0.16
		5220	1.31	1.36	96.32	0.16
		5240	1.31	1.36	96.32	0.16
11AC40SISO	Ant0	5190	0.65	0.69	94.20	0.26
		5230	0.65	0.70	92.86	0.32
11AC80SISO	Ant0	5210	0.32	0.37	86.49	0.63



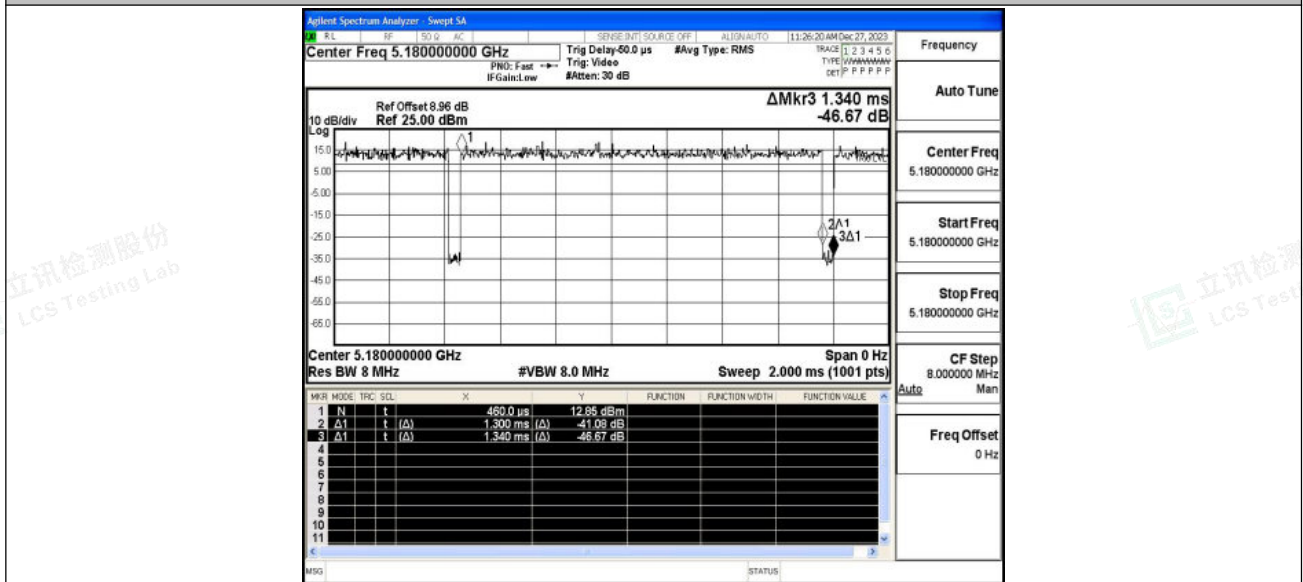


Test Graphs



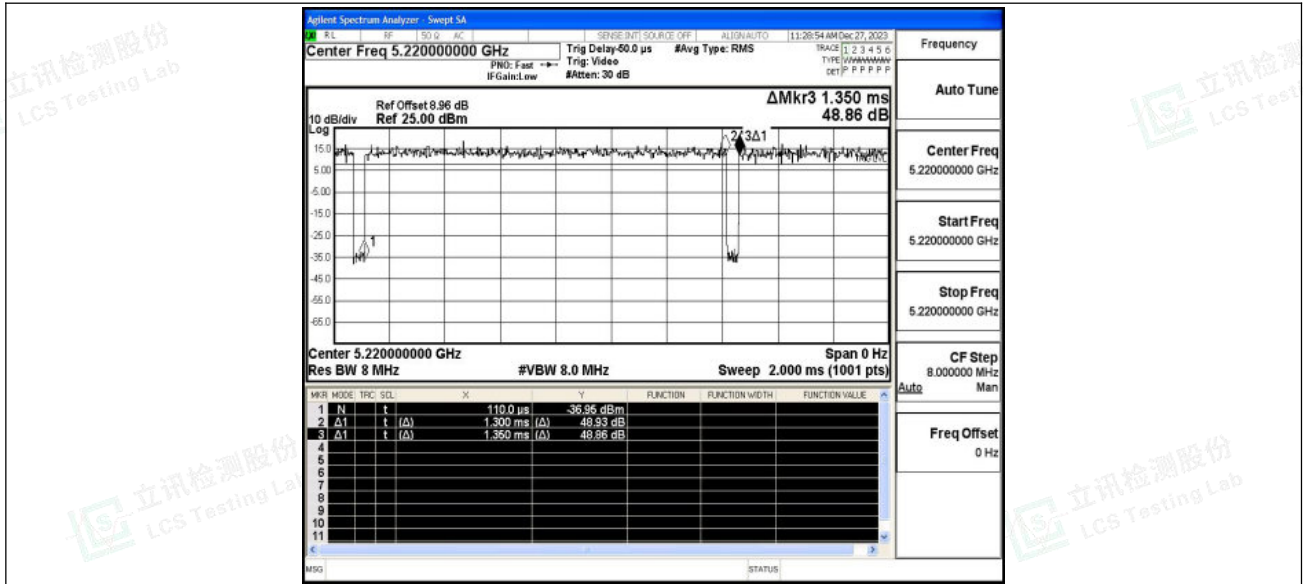


11N20SISO_Ant0_5180

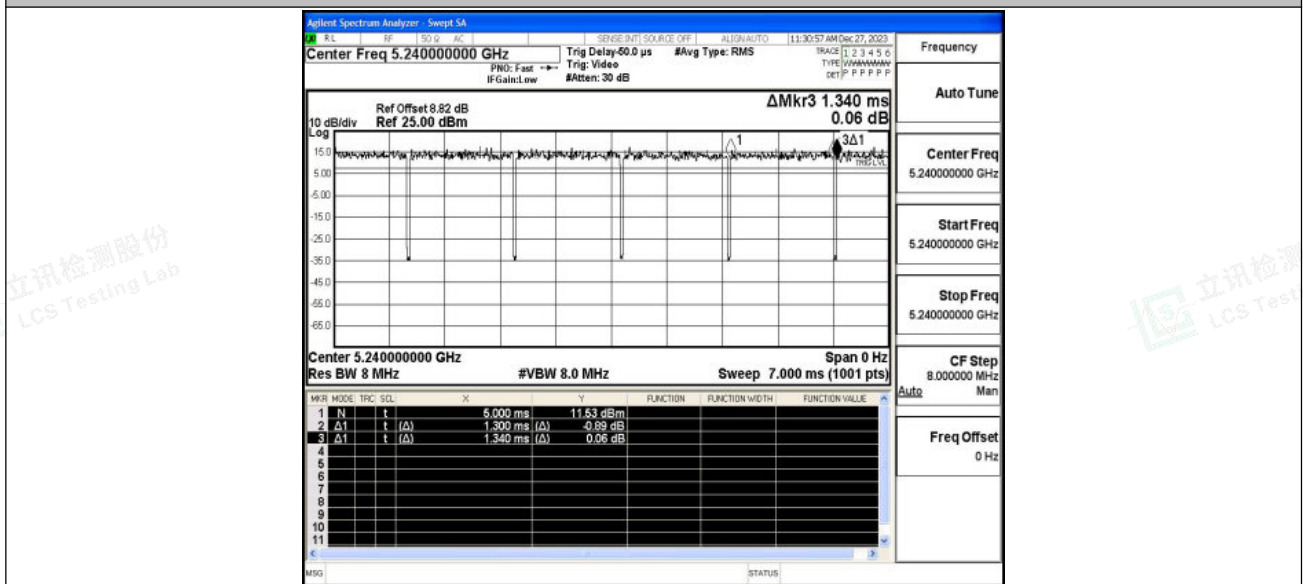


11N20SISO_Ant0_5220



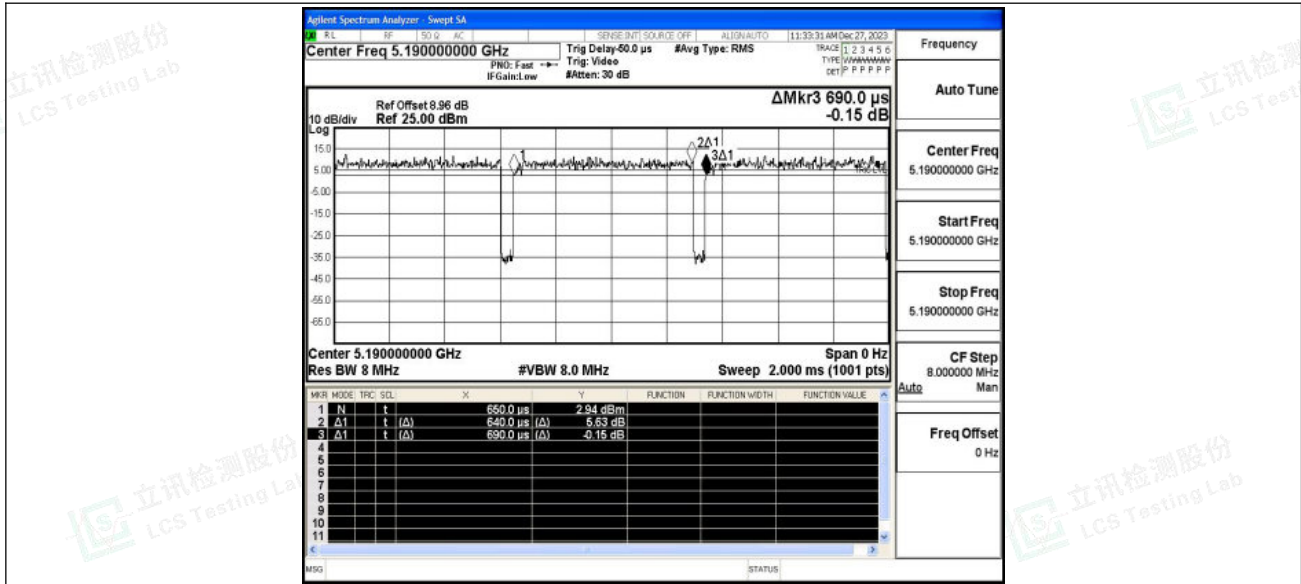


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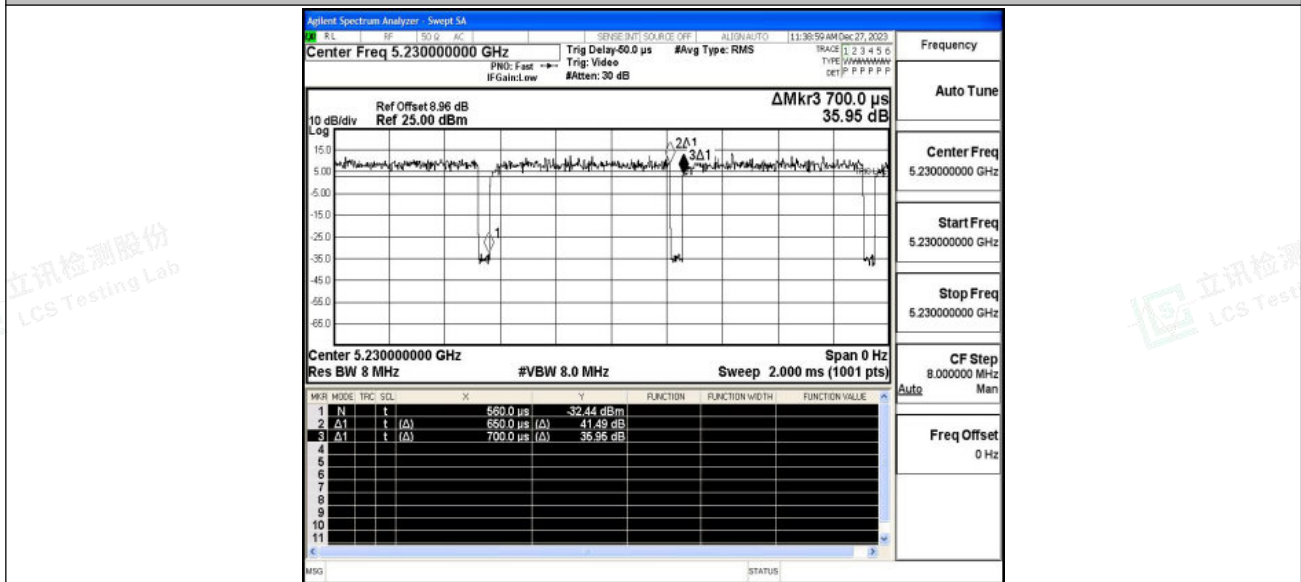


11N40SISO_Ant0_5190



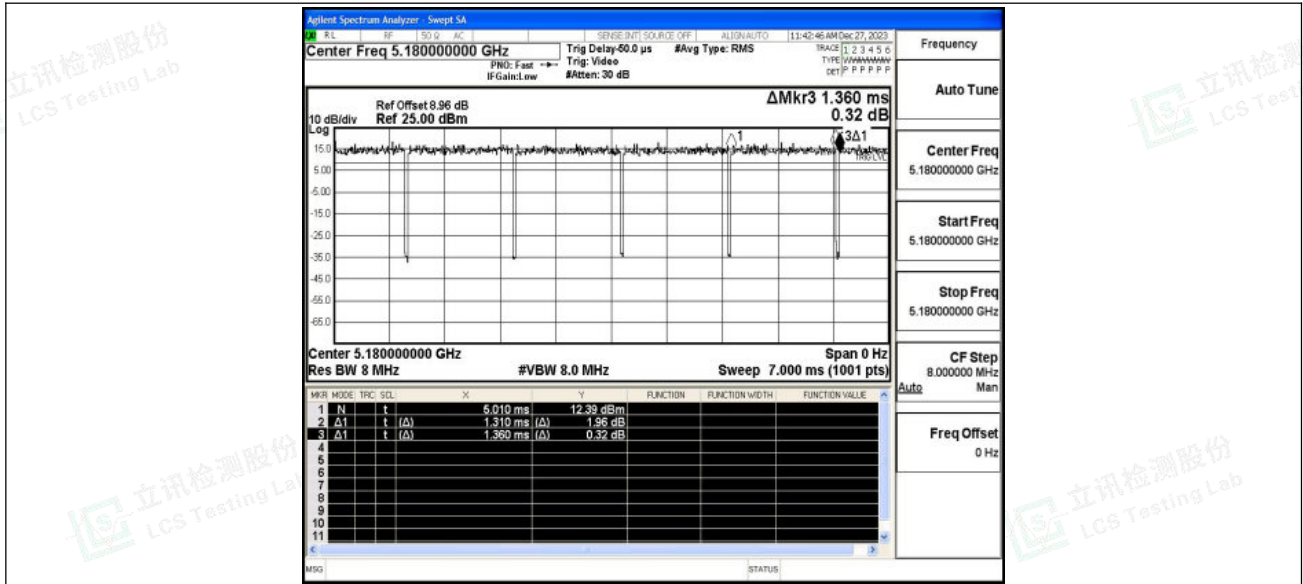


11N40SISO_Ant0_5230

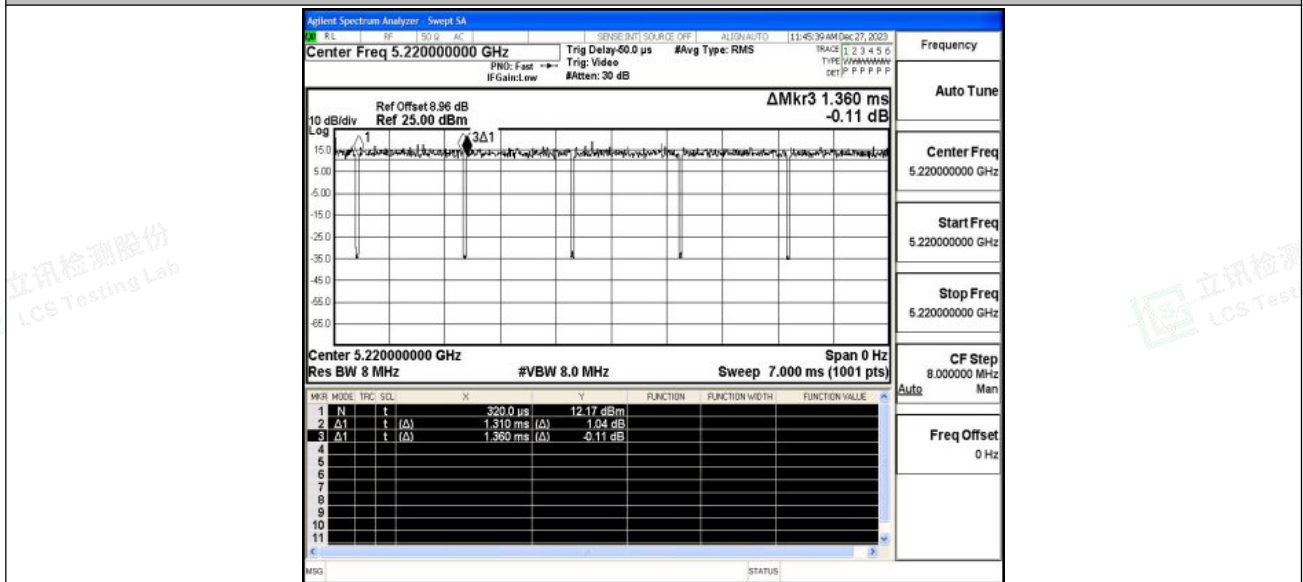


11AC20SISO_Ant0_5180



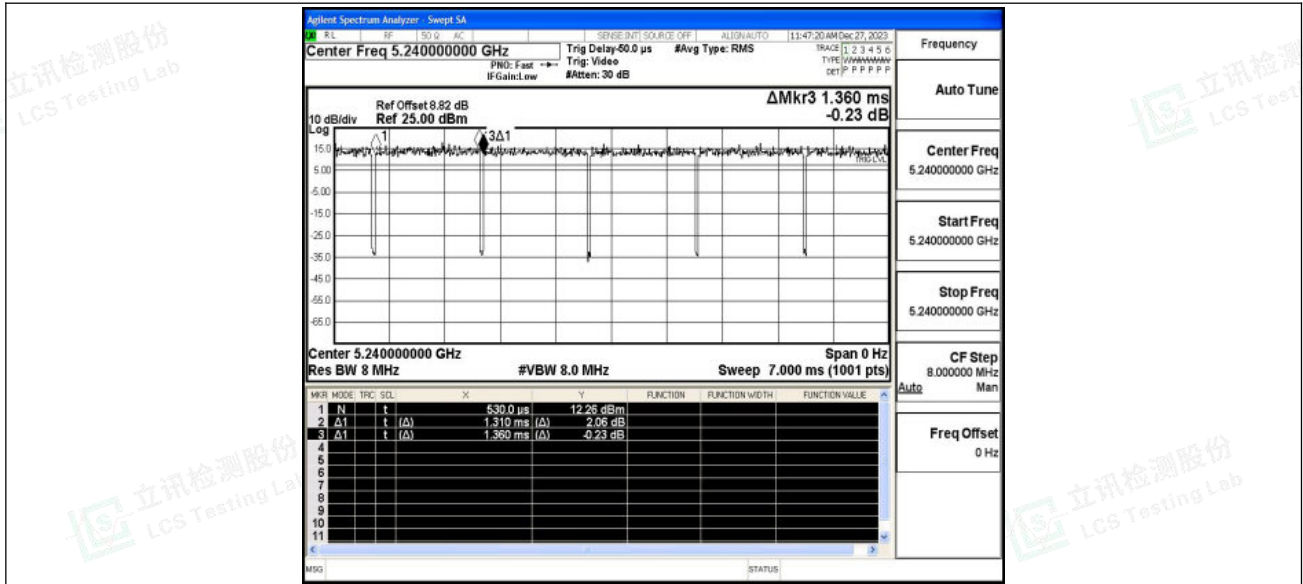


11AC20SISO_Ant0_5220

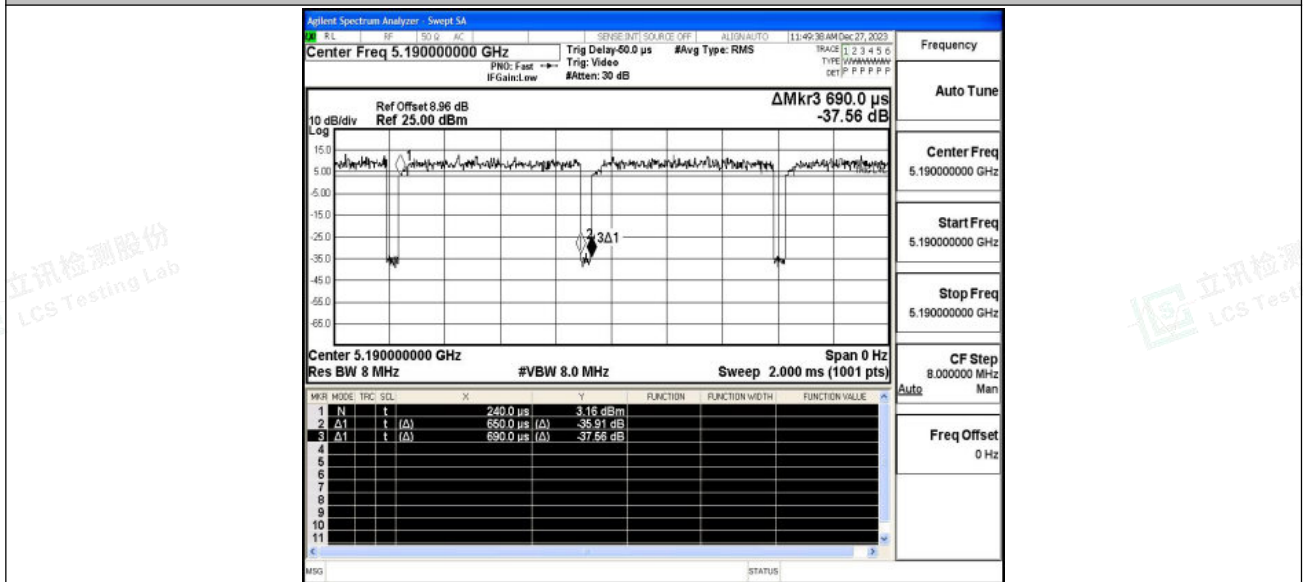


11AC20SISO_Ant0_5240



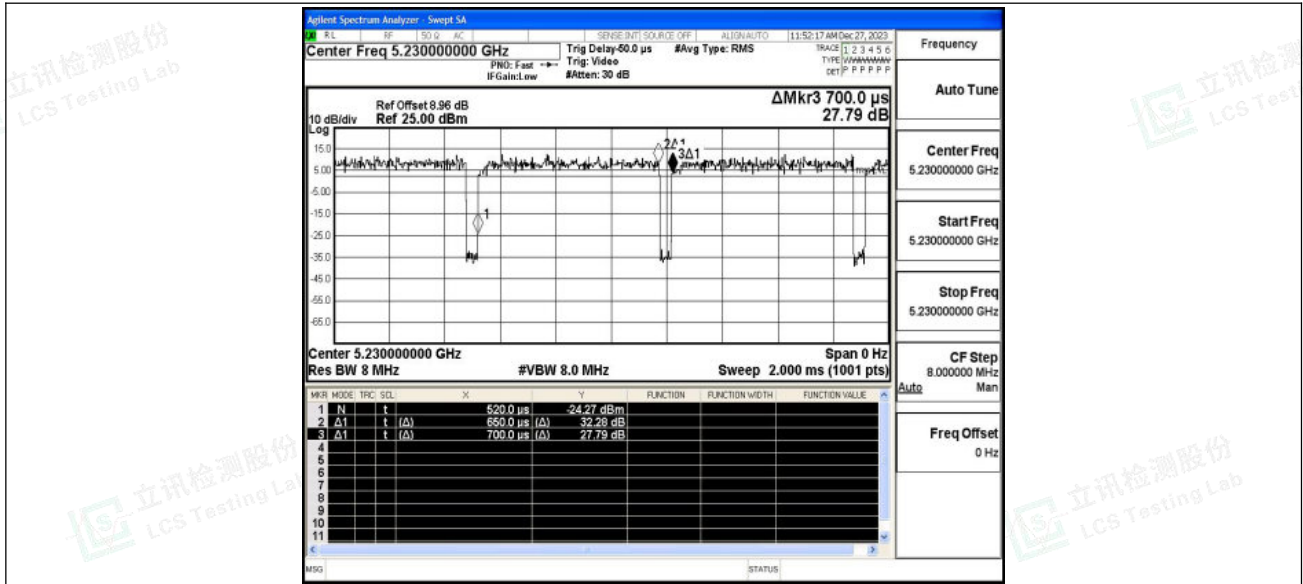


11AC40SISO_Ant0_5190

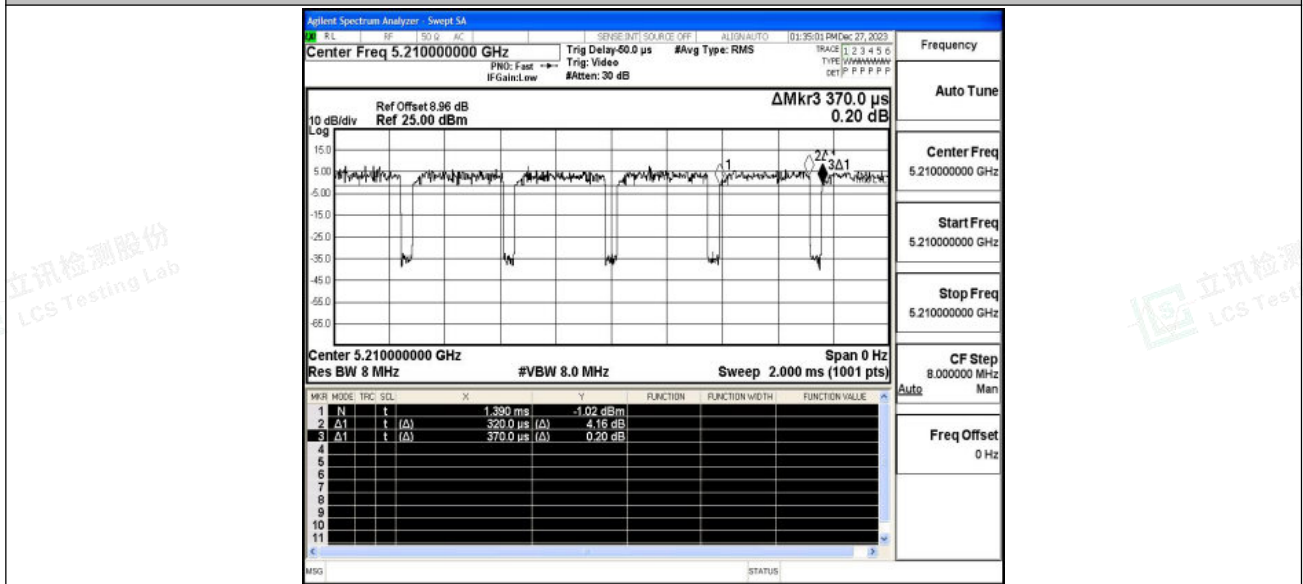


11AC40SISO_Ant0_5230





11AC80SISO_Ant0_5210





Test Result

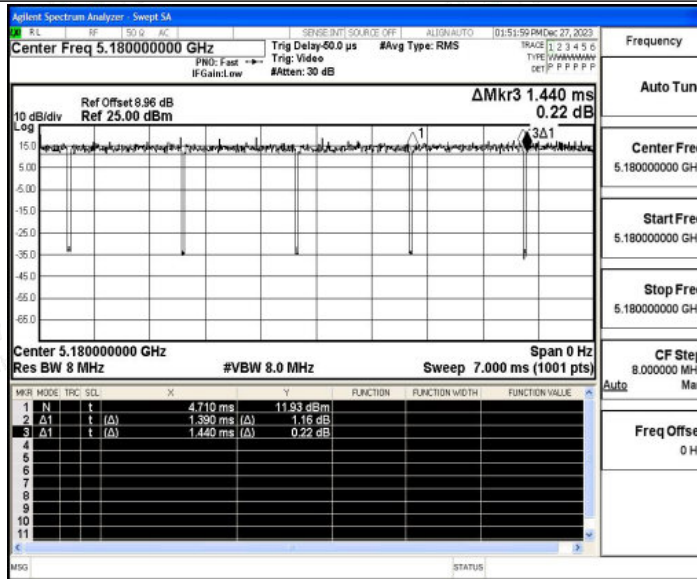
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Correction Factor (dB)
11A	Ant1	5180	1.39	1.44	96.53	0.15
		5220	1.39	1.44	96.53	0.15
		5240	1.40	1.45	96.55	0.15
11N20SISO	Ant1	5180	1.30	1.35	96.30	0.13
		5220	1.30	1.34	97.01	0.16
		5240	1.30	1.35	96.30	0.13
11N40SISO	Ant1	5190	0.64	0.69	92.75	0.33
		5230	0.65	0.69	94.20	0.32
11AC20SISO	Ant1	5180	1.31	1.36	96.32	0.16
		5220	1.31	1.36	96.32	0.16
		5240	1.31	1.36	96.32	0.16
11AC40SISO	Ant1	5190	0.65	0.69	94.20	0.26
		5230	0.66	0.70	94.29	0.32
11AC80SISO	Ant1	5210	0.32	0.37	86.49	0.63



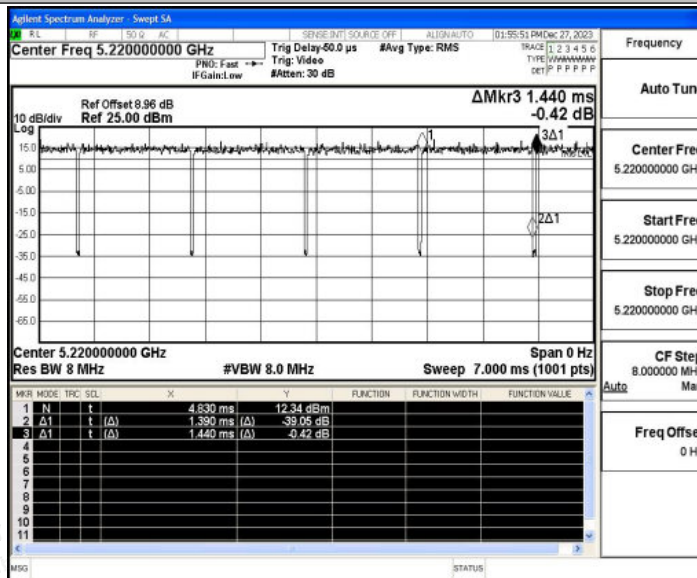


Test Graphs

11A_Ant1_5180

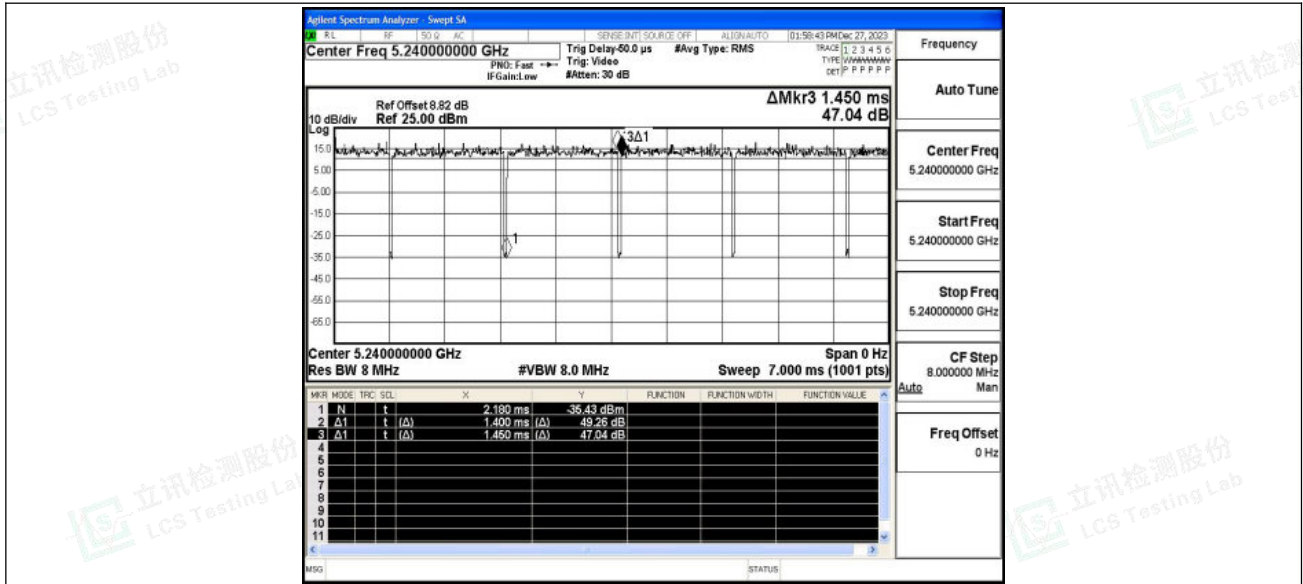


11A_Ant1_5220

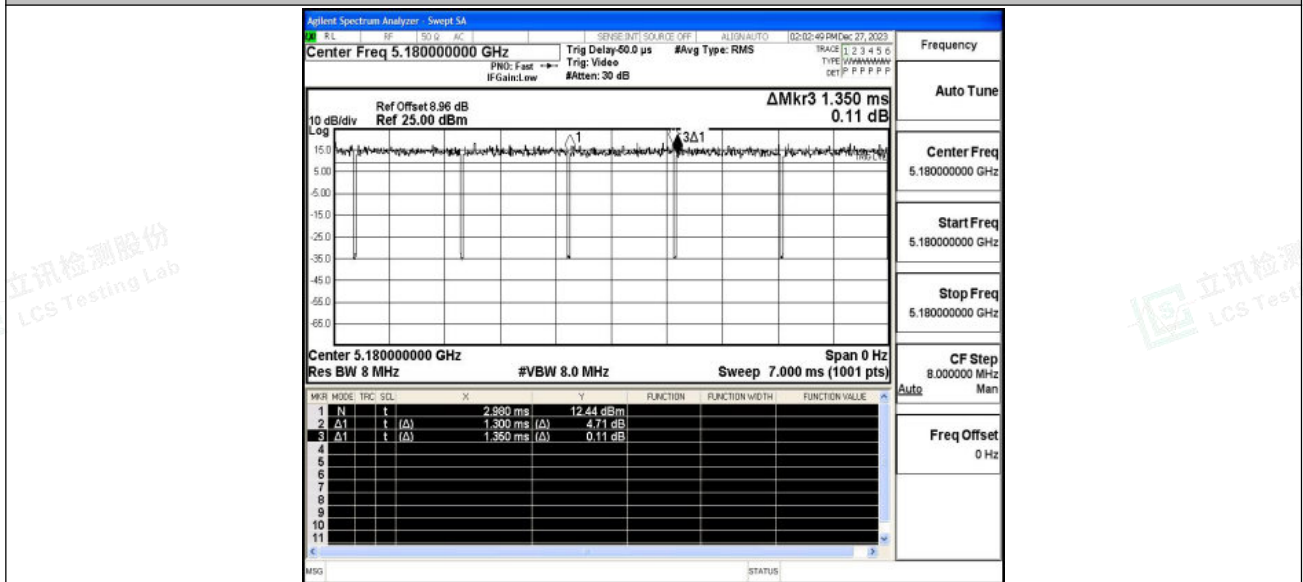


11A_Ant1_5240



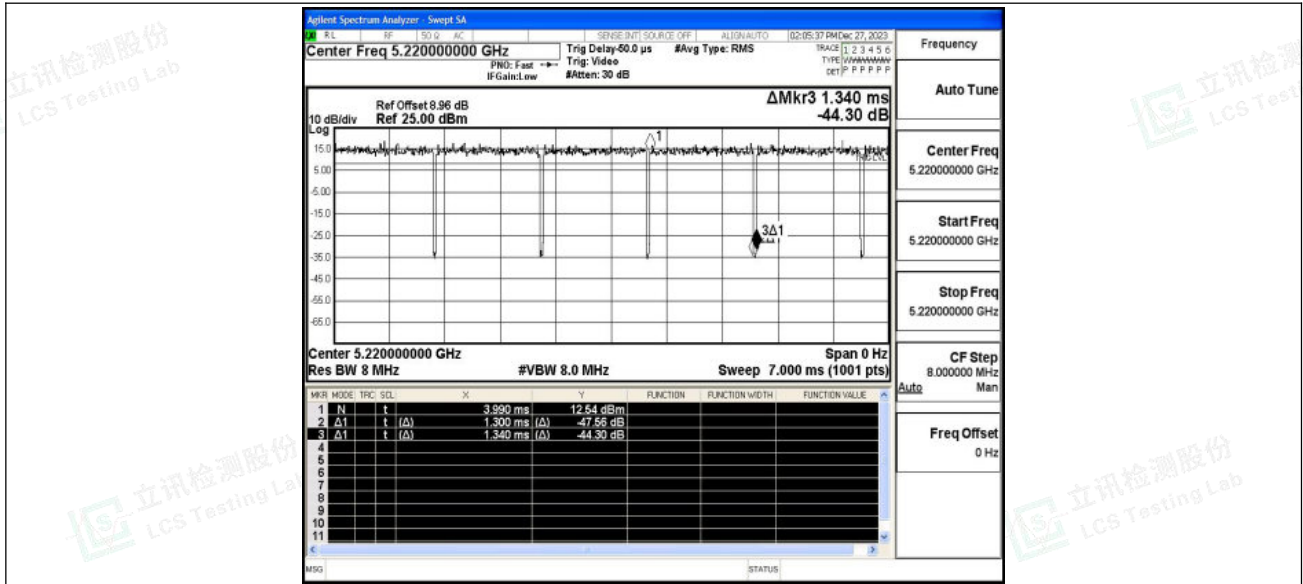


11N20SISO_Ant1_5180

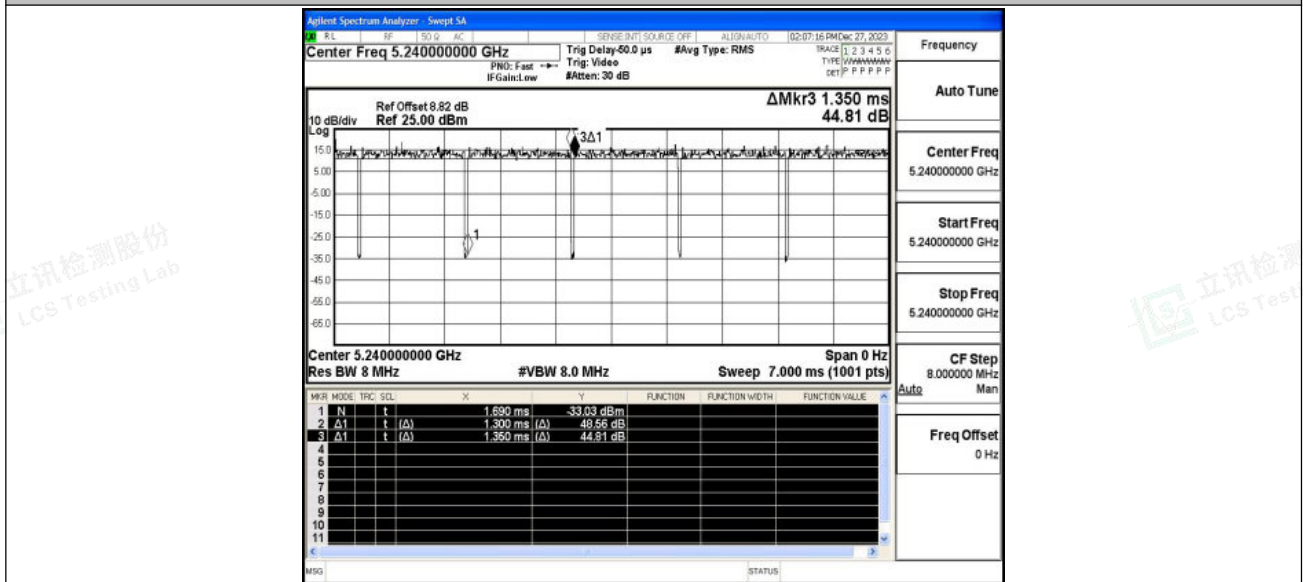


11N20SISO_Ant1_5220





11N20SISO_Ant1_5240

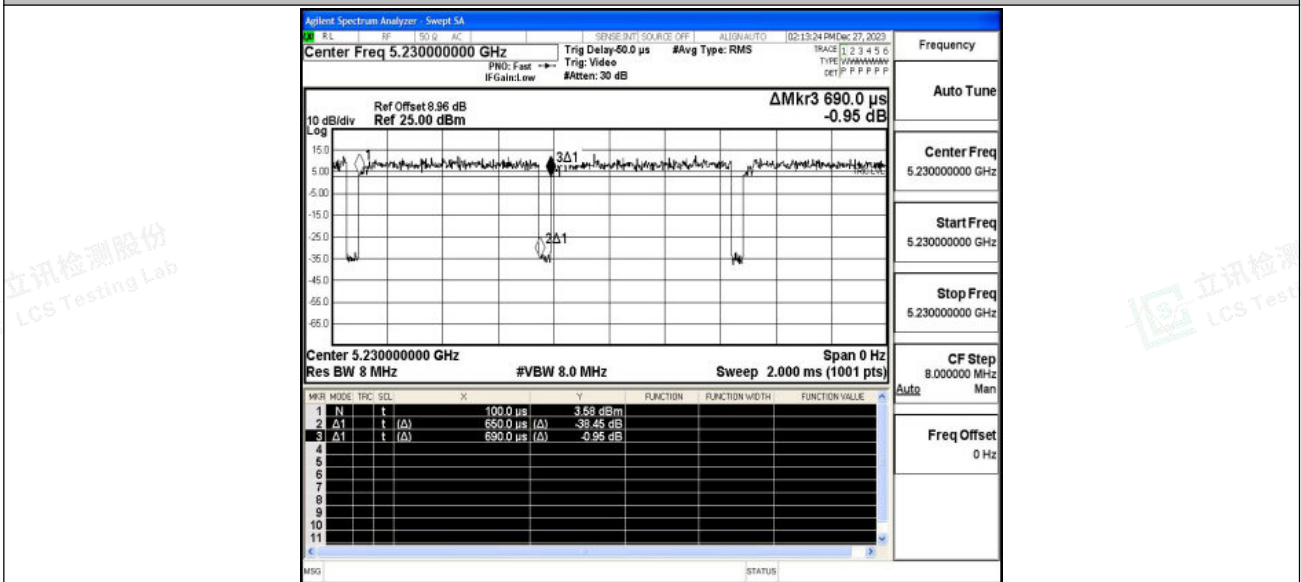


11N40SISO_Ant1_5190



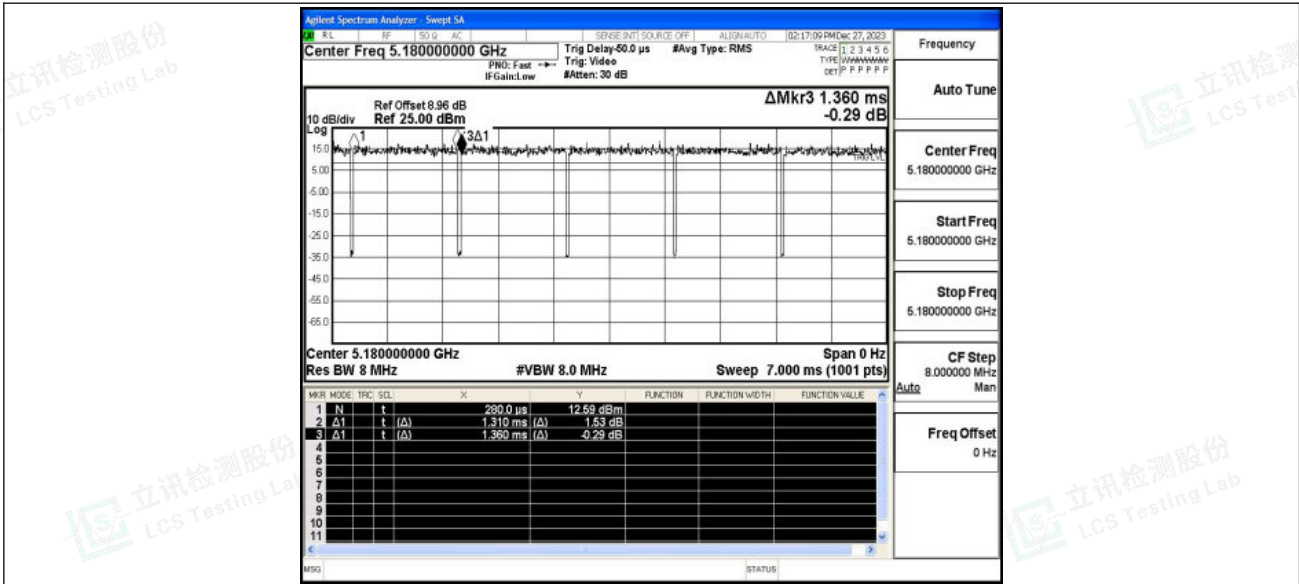


11N40SISO_Ant1_5230

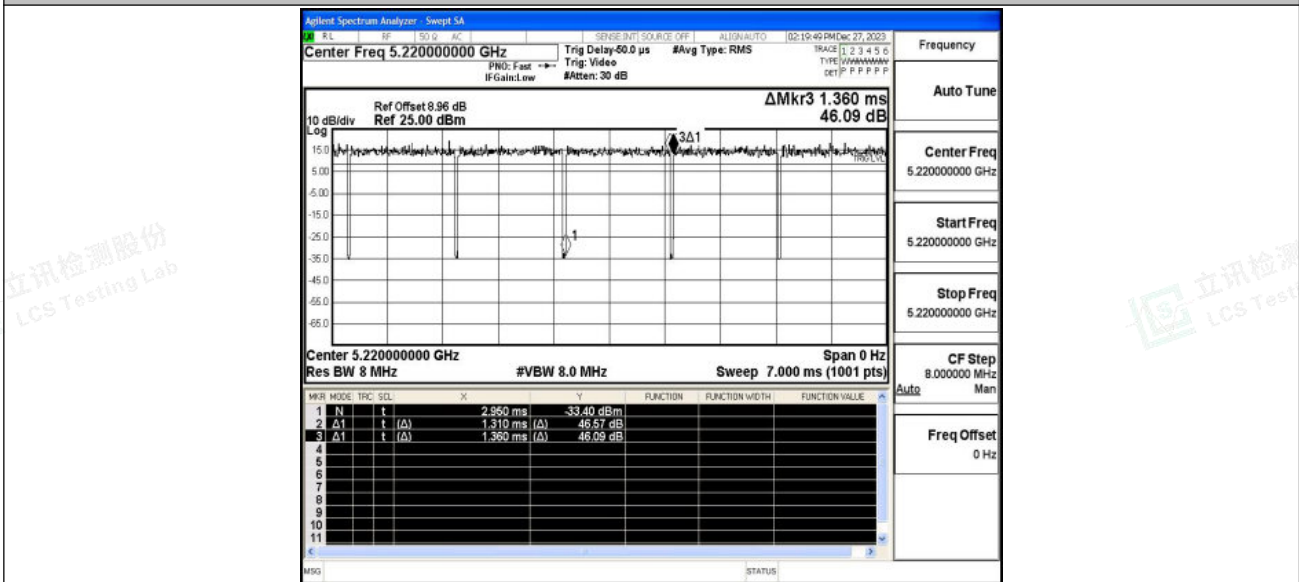


11AC20SISO_Ant1_5180



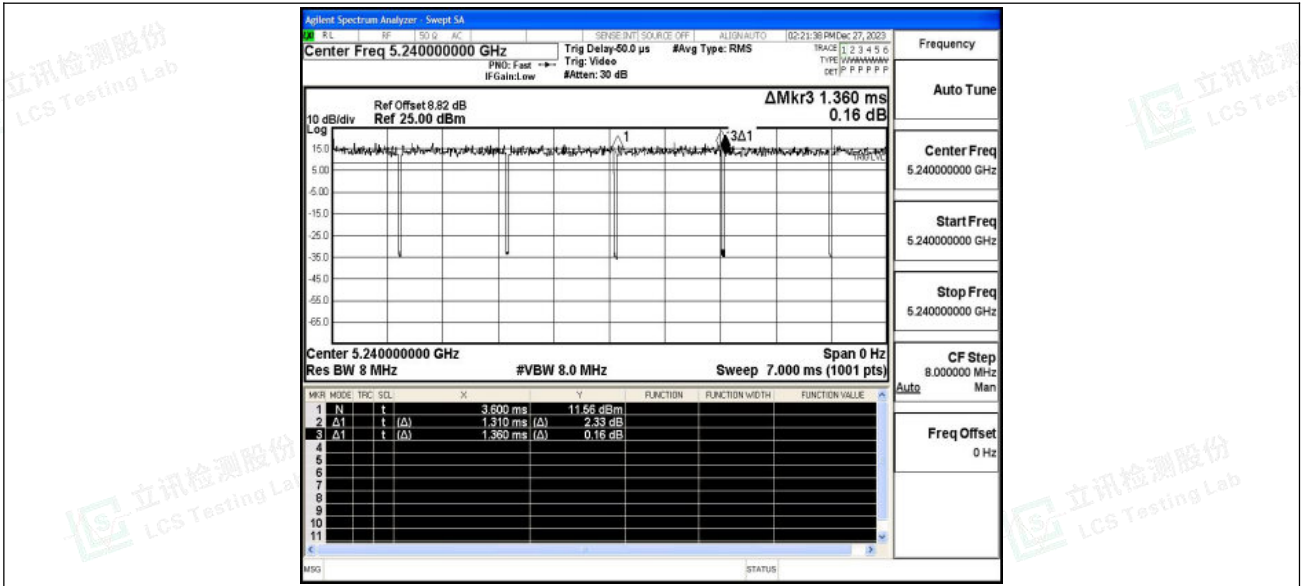


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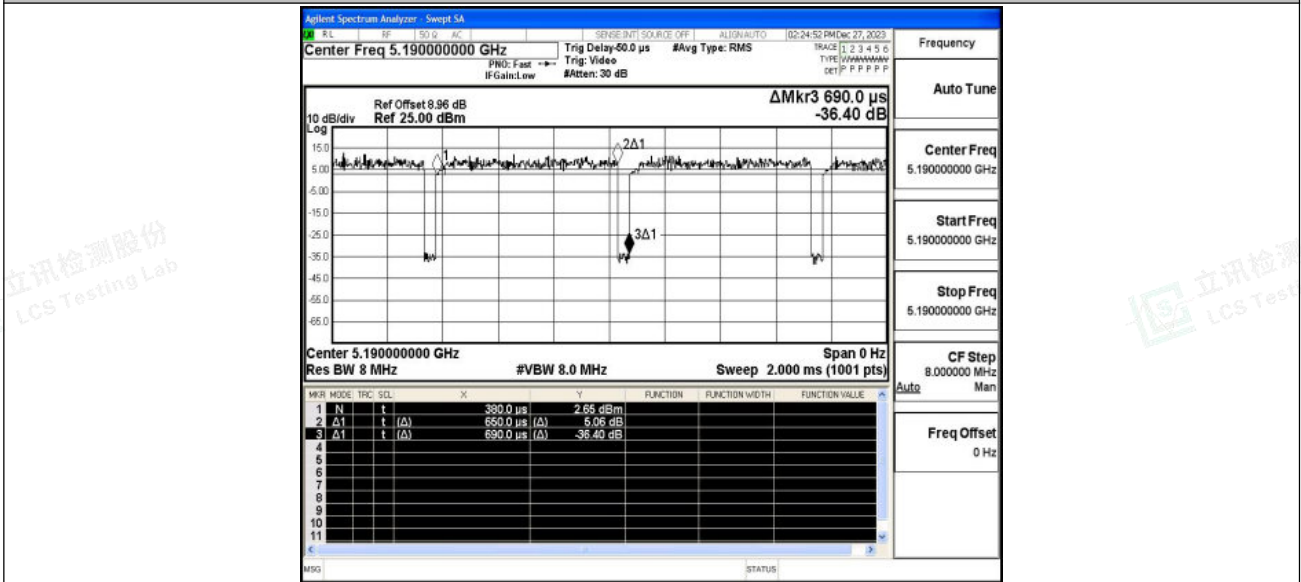


11AC20SISO_Ant1_5240



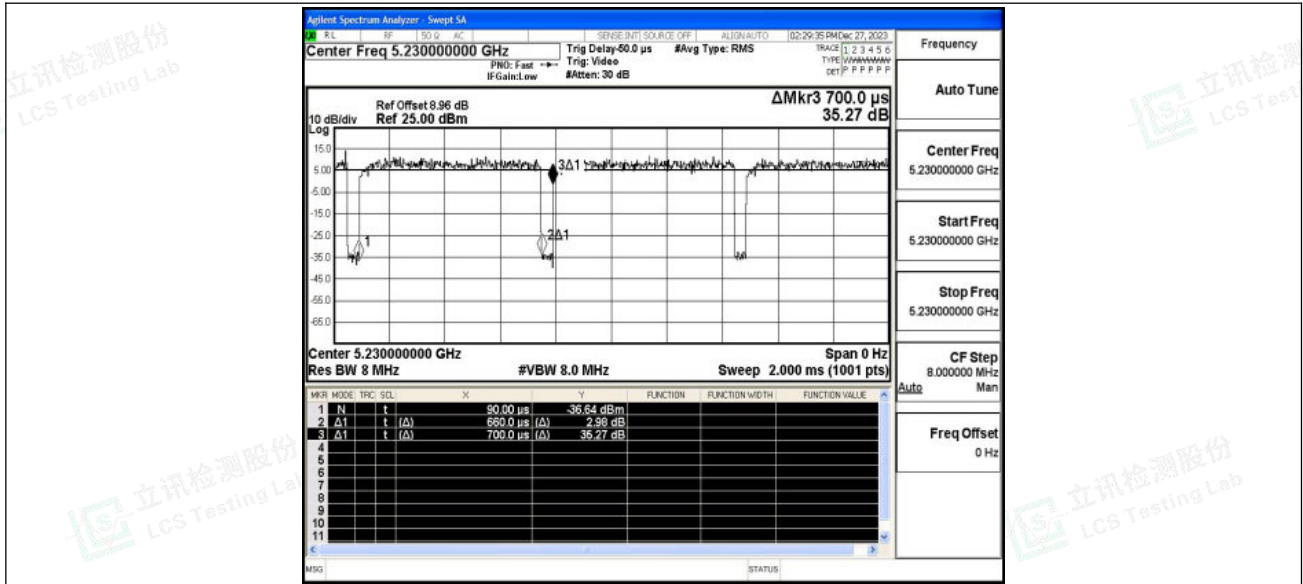


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230





11AC80SISO_Ant1_5210

