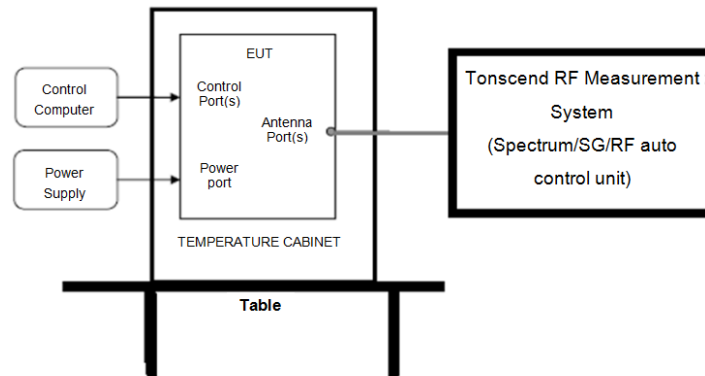


5. Maximum Conducted Output Power

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	For FCC client devices: 250 mW (24 dBm)	5150-5250
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5250-5350
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5470 - 5725
	1 Watt (30 dBm)	5725-5850
Note 1: For FCC: B=26 bandwidth; For ISSED: B=99% bandwidth.		

5.3. Test procedure

- (1) Connect each EUT's antenna output to spectrum analyzer by RF cable and attenuator
- (2) According ANSI C63.10:2020 clause 12.4.2.4 Method SA-2.
- (3) Add each antenna port's results to get the total output power of EUT.

5.4. Test Environment

Temperature	24.6°C	Relative Humidity	54.1%
Atmosphere Pressure	100.9kPa	Test Voltage	DC 5V

5.5. Test result_Test Data

1) Duty Cycle

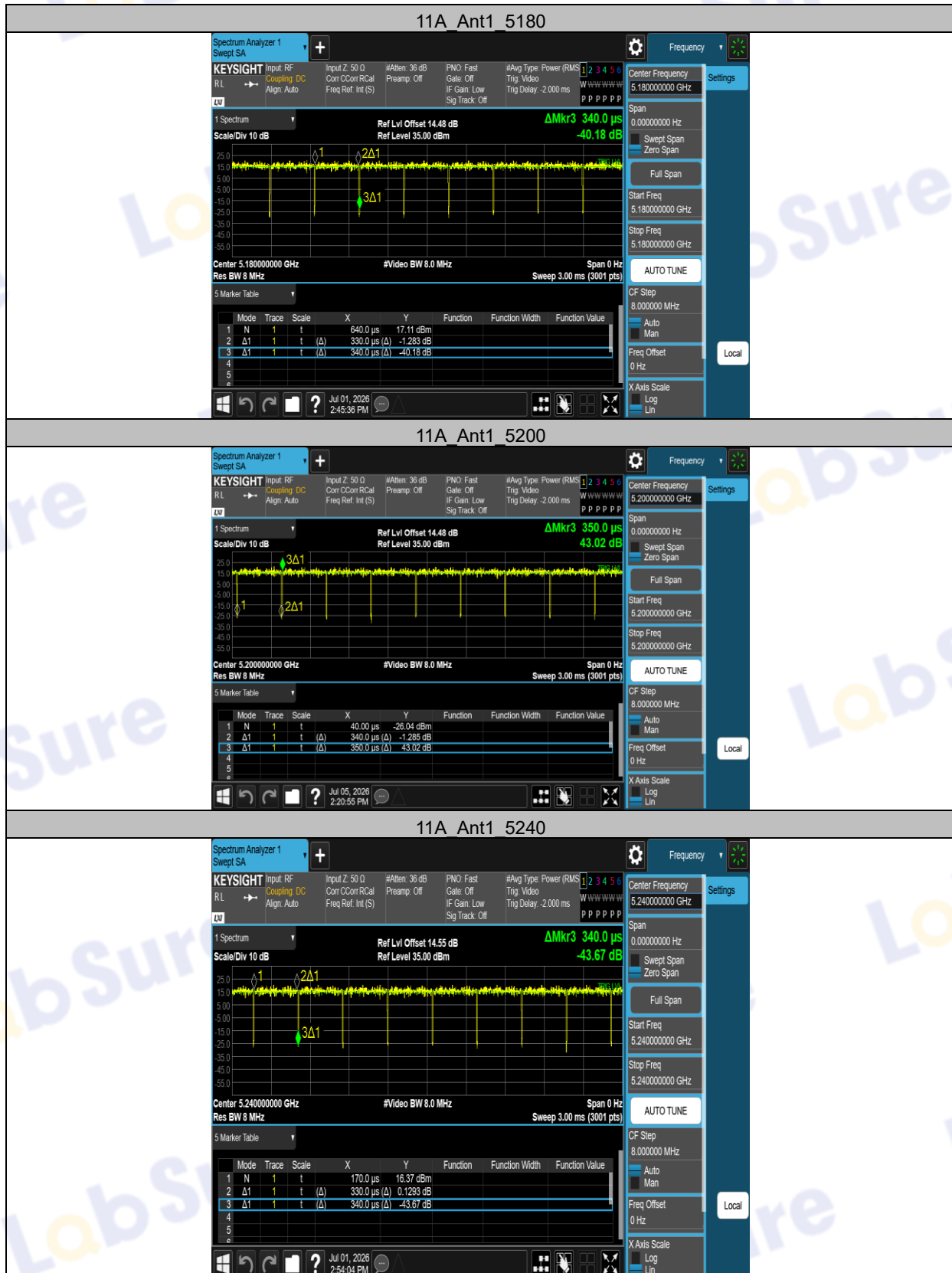
Test Mode	Freq (MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	5180	0.33	0.34	97.06
	5200	0.34	0.35	97.14
	5240	0.33	0.34	97.06
	5745	0.33	0.34	97.06
	5785	0.34	0.35	97.14
	5825	0.33	0.34	97.06
11N20SISO	5180	0.32	0.33	96.97
	5200	0.32	0.33	96.97
	5240	0.33	0.34	97.06
	5745	0.32	0.33	96.97
	5785	0.33	0.34	97.06
	5825	0.32	0.33	96.97
11N40SISO	5190	0.18	0.19	94.74
	5230	0.18	0.19	94.74
	5755	0.17	0.18	94.44
	5795	0.18	0.19	94.74
11AC20SISO	5180	0.33	0.34	97.06
	5200	0.33	0.34	97.06
	5240	0.33	0.34	97.06
	5745	0.33	0.34	97.06
	5785	0.33	0.34	97.06
	5825	0.33	0.34	97.06
11AC40SISO	5190	0.18	0.19	94.74
	5230	0.18	0.19	94.74
	5755	0.18	0.19	94.74
	5795	0.18	0.19	94.74
11AC80SISO	5210	0.11	0.12	91.67
	5775	0.10	0.11	90.91
11AX20SISO	5180	0.27	0.28	96.43
	5200	0.27	0.28	96.43
	5240	0.27	0.28	96.43
	5745	0.27	0.28	96.43
	5785	0.27	0.28	96.43
	5825	0.27	0.28	96.43
11AX40SISO	5190	0.16	0.17	94.12
	5230	0.16	0.17	94.12
	5755	0.16	0.17	94.12
	5795	0.16	0.17	94.12
11AX80SISO	5210	0.11	0.12	91.67
	5775	0.11	0.12	91.67

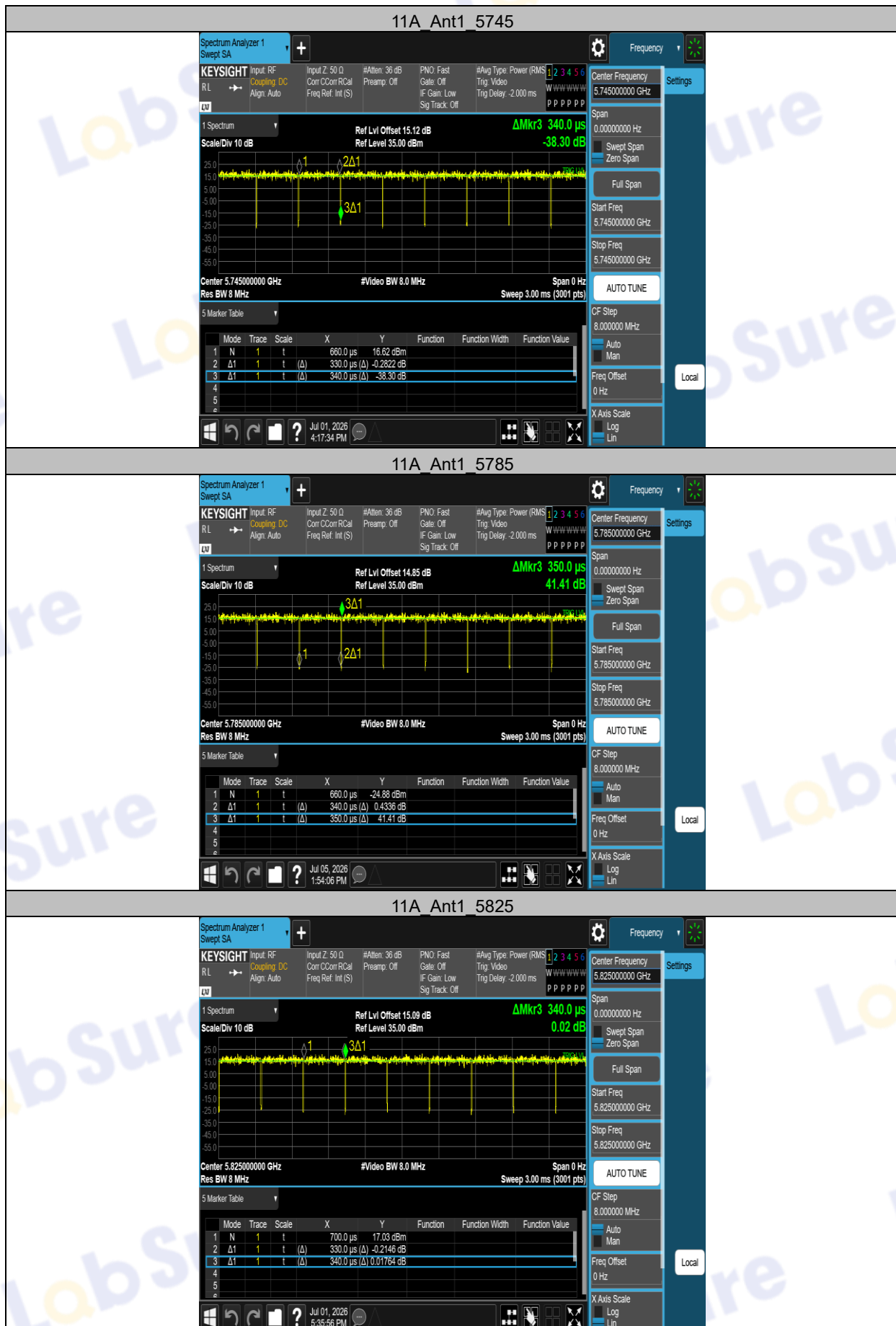
2) Maximum Conducted Output Power

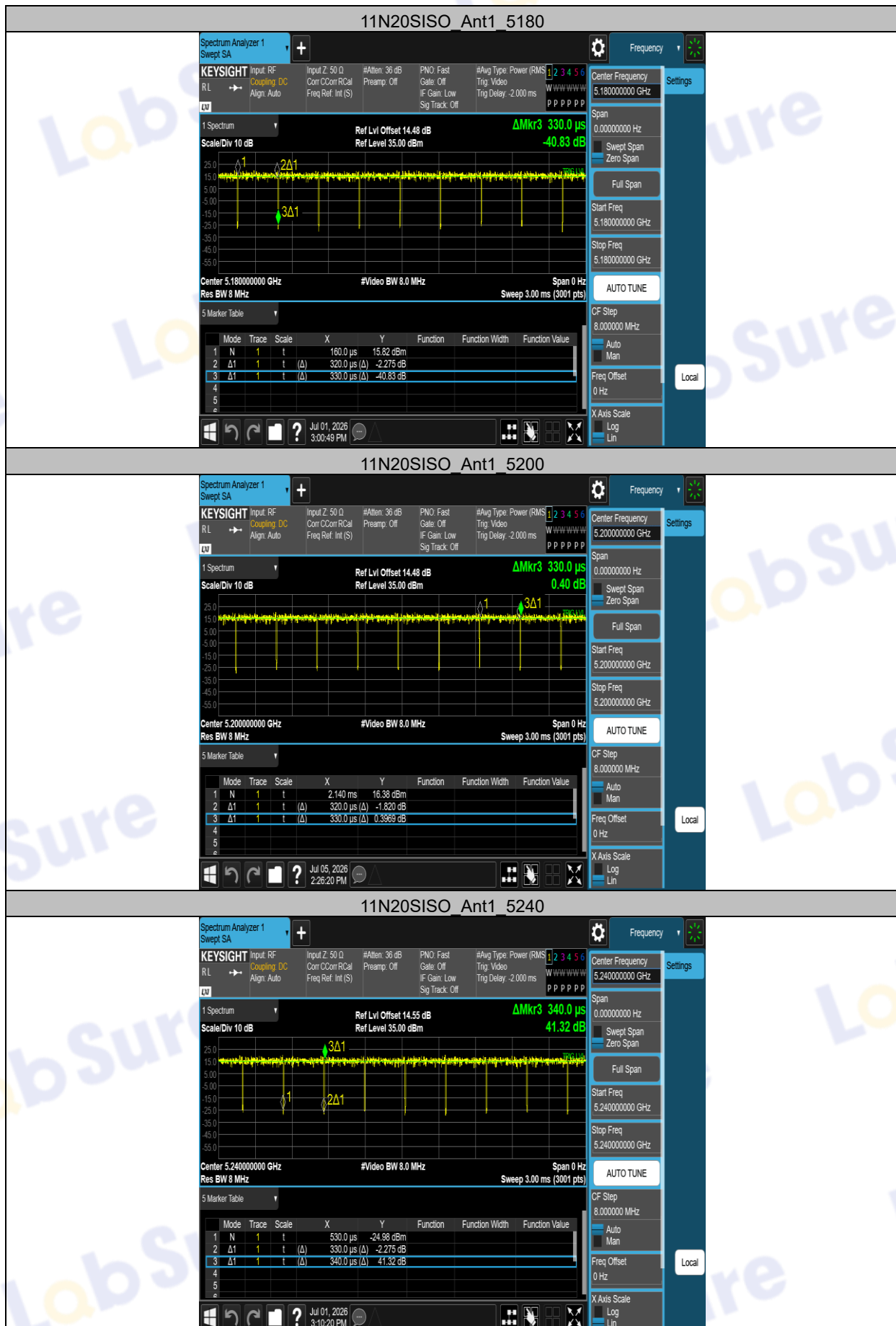
Test Mode	Freq (MHz)	Conducted Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11A	5180	14.64	97.06	0.13	14.77	≤23.98	-0.18	14.59	PASS
	5200	14.84	97.14	0.13	14.97	≤23.98	-0.18	14.79	PASS
	5240	14.46	97.06	0.13	14.59	≤23.98	-0.18	14.41	PASS
	5745	14.74	97.06	0.13	14.87	≤30.00	0.19	15.06	PASS
	5785	14.56	97.14	0.13	14.69	≤30.00	0.19	14.88	PASS
	5825	15.12	97.06	0.13	15.25	≤30.00	0.19	15.44	PASS
11N20SISO	5180	14.54	96.97	0.13	14.67	≤23.98	-0.18	14.49	PASS
	5200	14.68	96.97	0.13	14.81	≤23.98	-0.18	14.63	PASS
	5240	14.41	97.06	0.13	14.54	≤23.98	-0.18	14.36	PASS
	5745	14.63	96.97	0.13	14.76	≤30.00	0.19	14.95	PASS
	5785	14.43	97.06	0.13	14.56	≤30.00	0.19	14.75	PASS
	5825	14.81	96.97	0.13	14.94	≤30.00	0.19	15.13	PASS
11N40SISO	5190	12.73	94.74	0.23	12.96	≤23.98	-0.18	12.78	PASS
	5230	12.15	94.74	0.23	12.38	≤23.98	-0.18	12.20	PASS
	5755	14.64	94.44	0.25	14.89	≤30.00	0.19	15.08	PASS
	5795	14.90	94.74	0.23	15.13	≤30.00	0.19	15.32	PASS
11AC20SISO	5180	14.43	97.06	0.13	14.56	≤23.98	-0.18	14.38	PASS
	5200	14.53	97.06	0.13	14.66	≤23.98	-0.18	14.48	PASS
	5240	14.41	97.06	0.13	14.54	≤23.98	-0.18	14.36	PASS
	5745	14.71	97.06	0.13	14.84	≤30.00	0.19	15.03	PASS
	5785	14.39	97.06	0.13	14.52	≤30.00	0.19	14.71	PASS
	5825	14.85	97.06	0.13	14.98	≤30.00	0.19	15.17	PASS
11AC40SISO	5190	12.63	94.74	0.23	12.86	≤23.98	-0.18	12.68	PASS
	5230	12.06	94.74	0.23	12.29	≤23.98	-0.18	12.11	PASS
	5755	14.66	94.74	0.23	14.89	≤30.00	0.19	15.08	PASS
	5795	14.91	94.74	0.23	15.14	≤30.00	0.19	15.33	PASS
11AC80SISO	5210	12.71	91.67	0.38	13.09	≤23.98	-0.18	12.91	PASS
	5775	14.53	90.91	0.41	14.94	≤30.00	0.19	15.13	PASS
11AX20SISO	5180	14.42	96.43	0.16	14.58	≤23.98	-0.18	14.40	PASS
	5200	14.43	96.43	0.16	14.59	≤23.98	-0.18	14.41	PASS
	5240	14.30	96.43	0.16	14.46	≤23.98	-0.18	14.28	PASS
	5745	14.57	96.43	0.16	14.73	≤30.00	0.19	14.92	PASS
	5785	14.27	96.43	0.16	14.43	≤30.00	0.19	14.62	PASS
	5825	14.77	96.43	0.16	14.93	≤30.00	0.19	15.12	PASS
11AX40SISO	5190	12.59	94.12	0.26	12.85	≤23.98	-0.18	12.67	PASS
	5230	12.07	94.12	0.26	12.33	≤23.98	-0.18	12.15	PASS
	5755	14.55	94.12	0.26	14.81	≤30.00	0.19	15.00	PASS
	5795	14.85	94.12	0.26	15.11	≤30.00	0.19	15.30	PASS
11AX80SISO	5210	12.61	91.67	0.38	12.99	≤23.98	-0.18	12.81	PASS
	5775	14.62	91.67	0.38	15.00	≤30.00	0.19	15.19	PASS

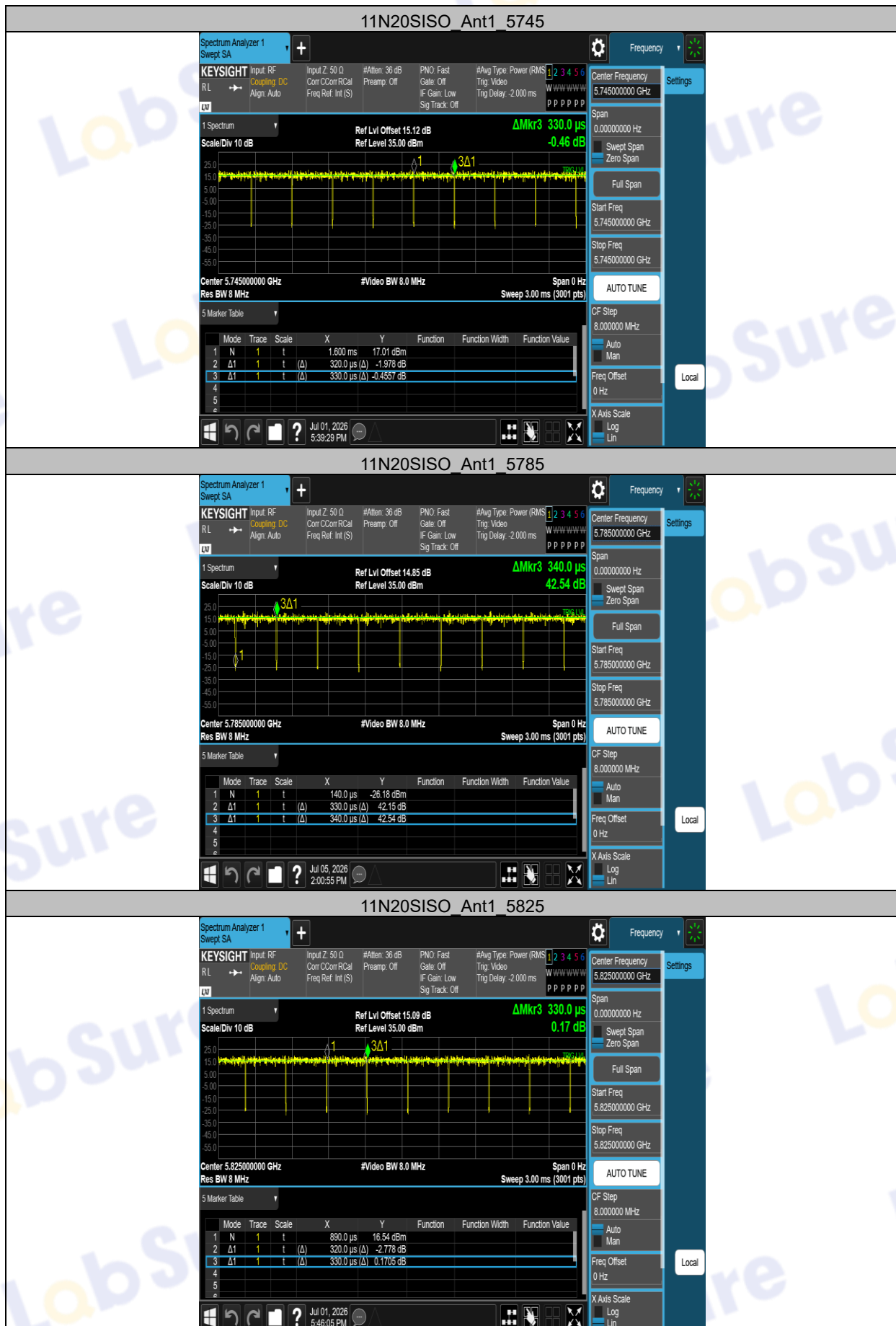
5.6. Original test data

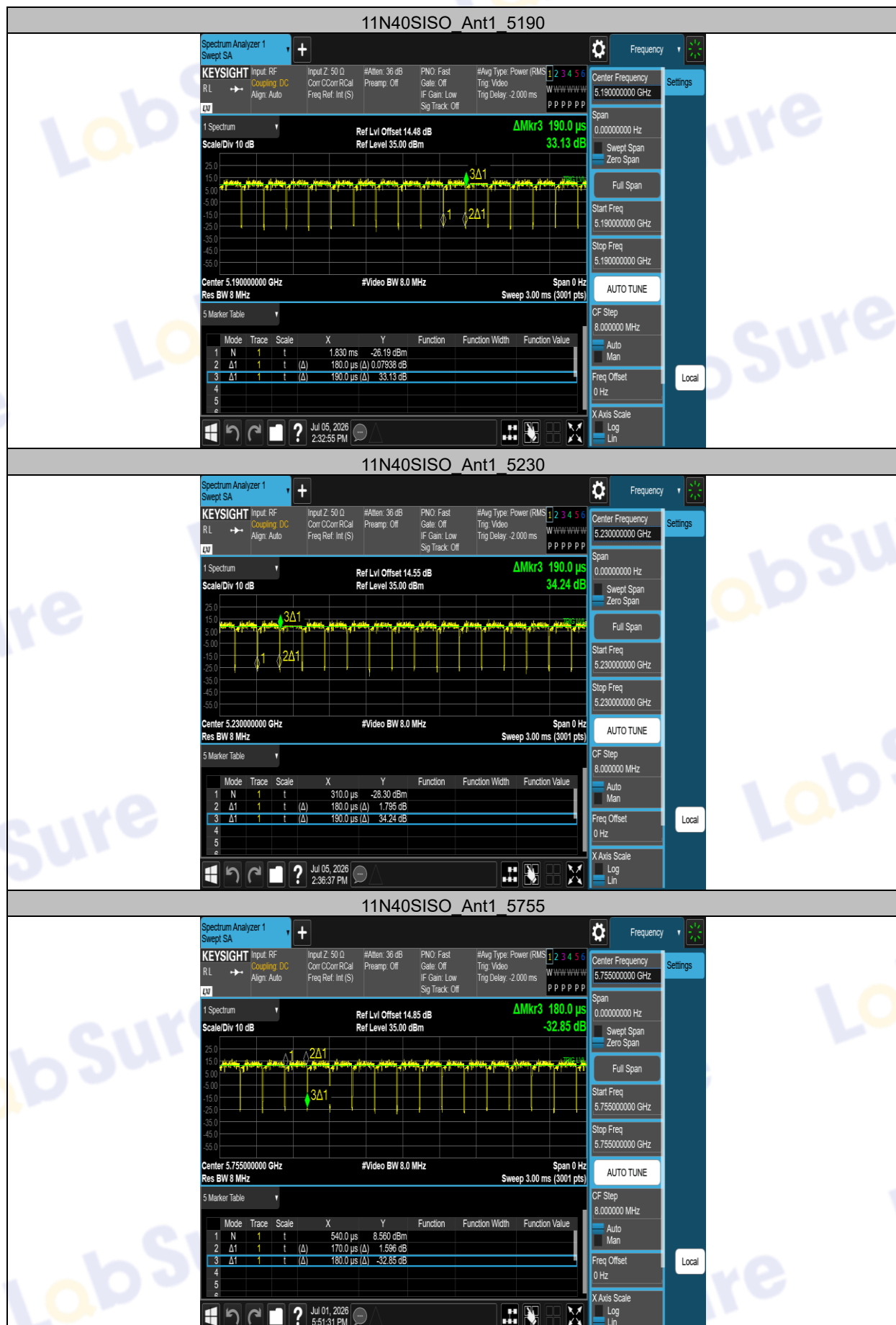
1) For Duty Cycle Part:

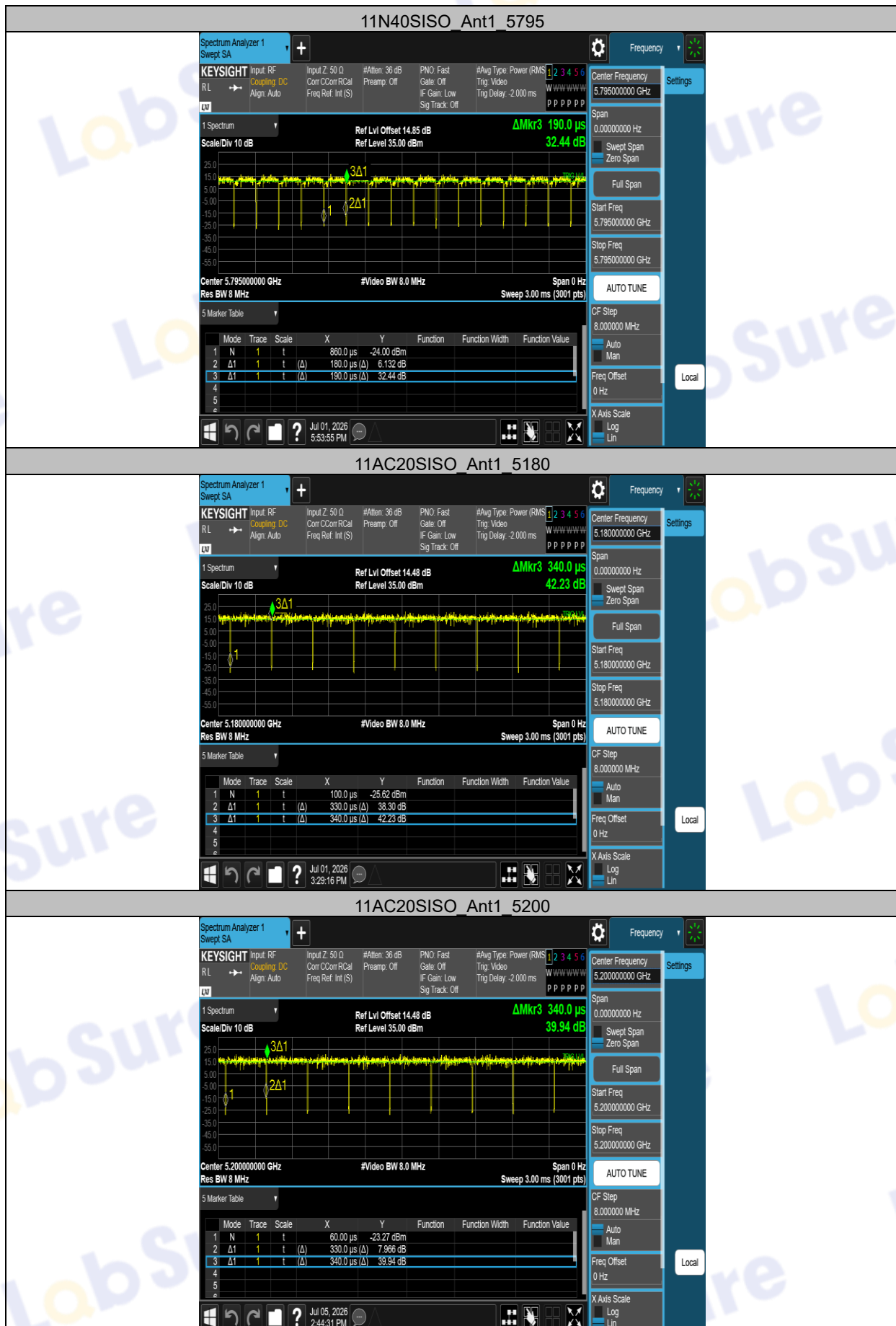


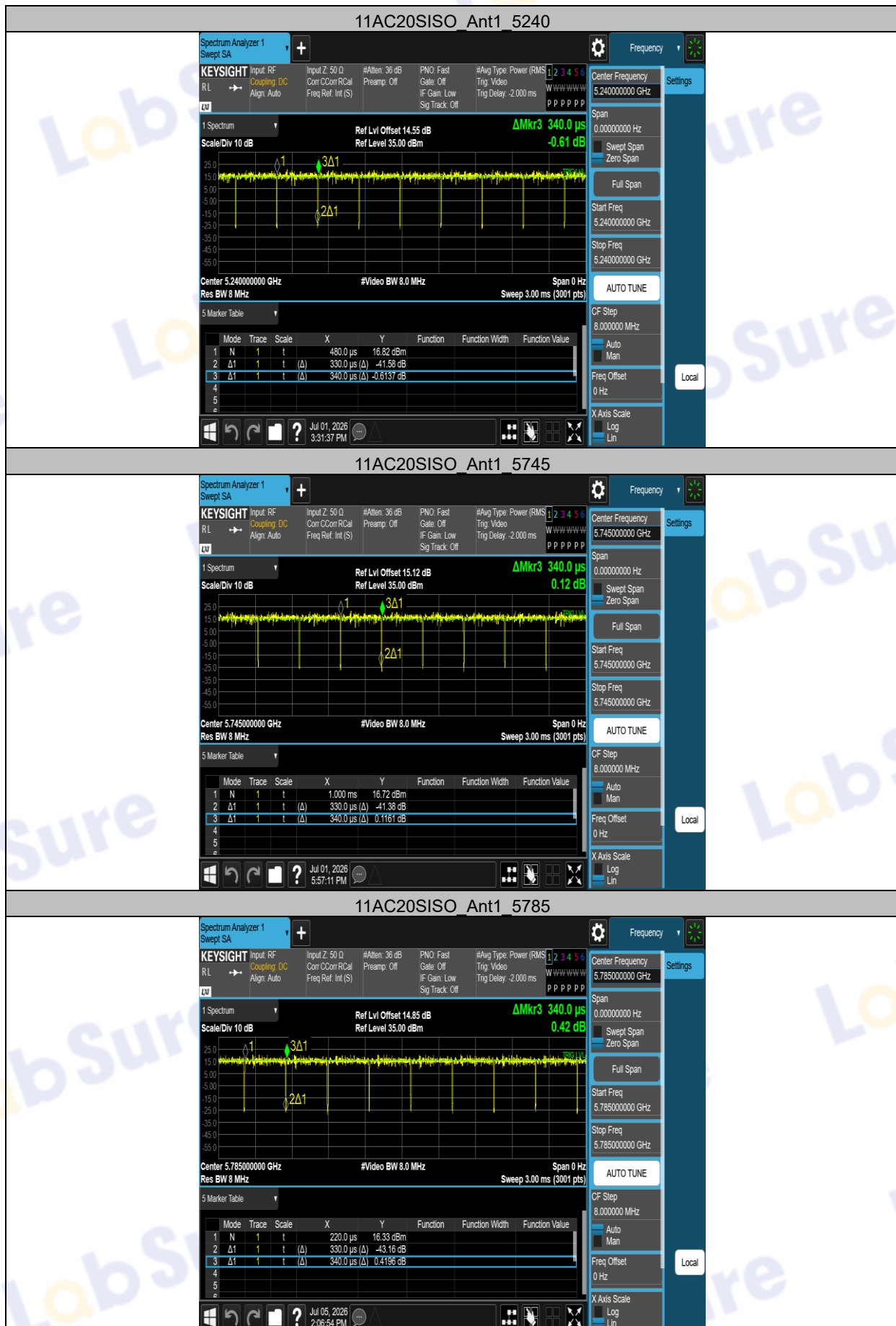


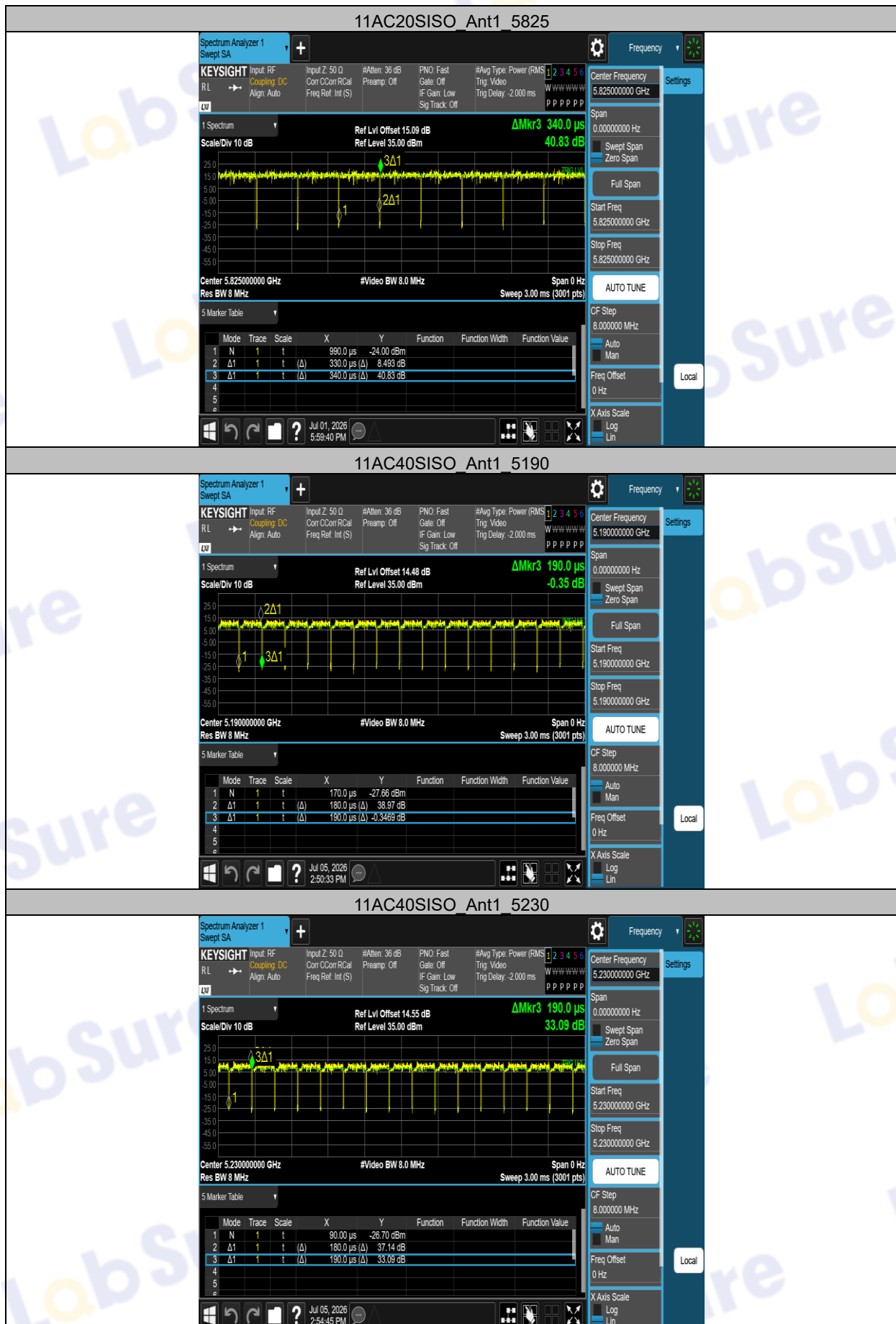


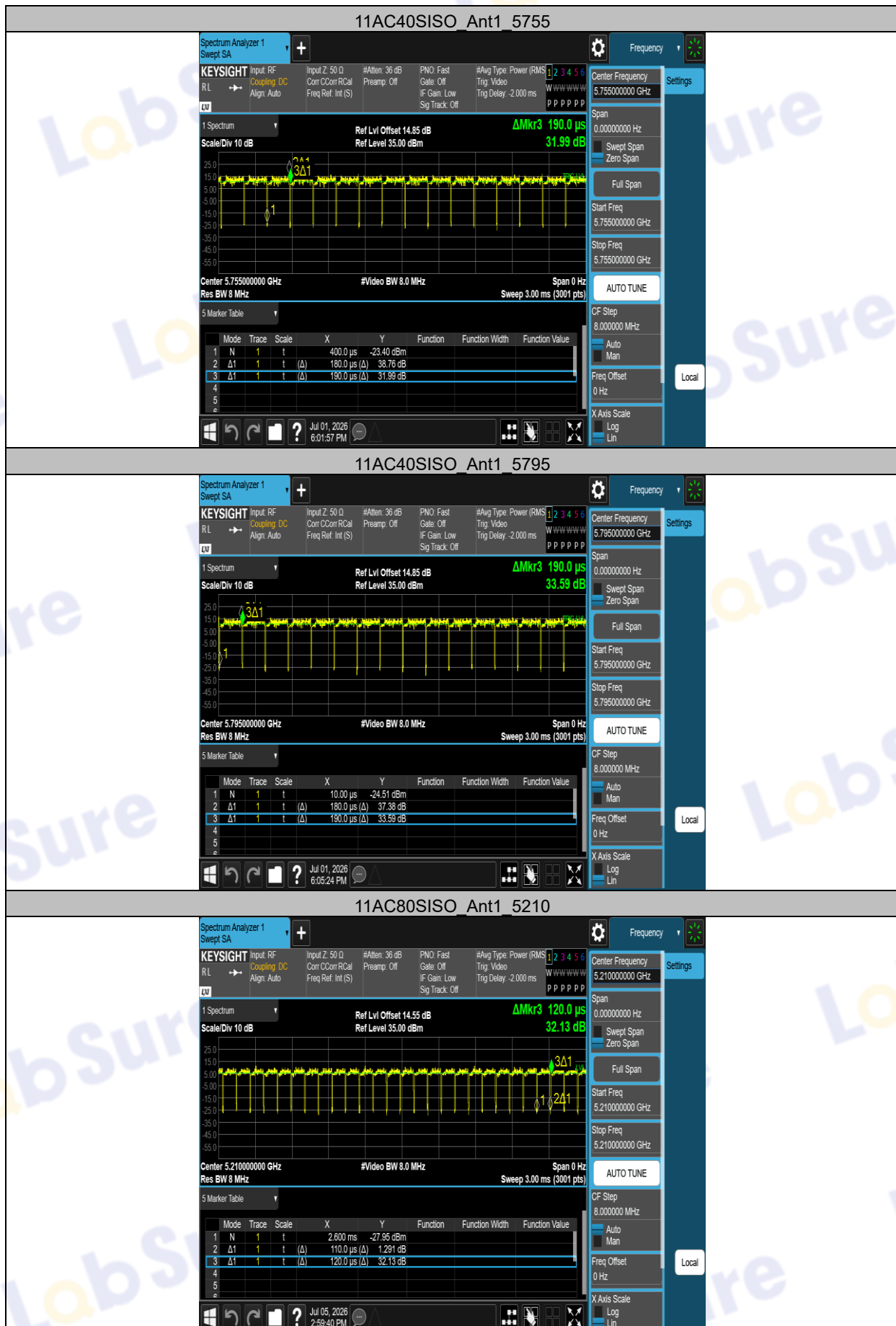


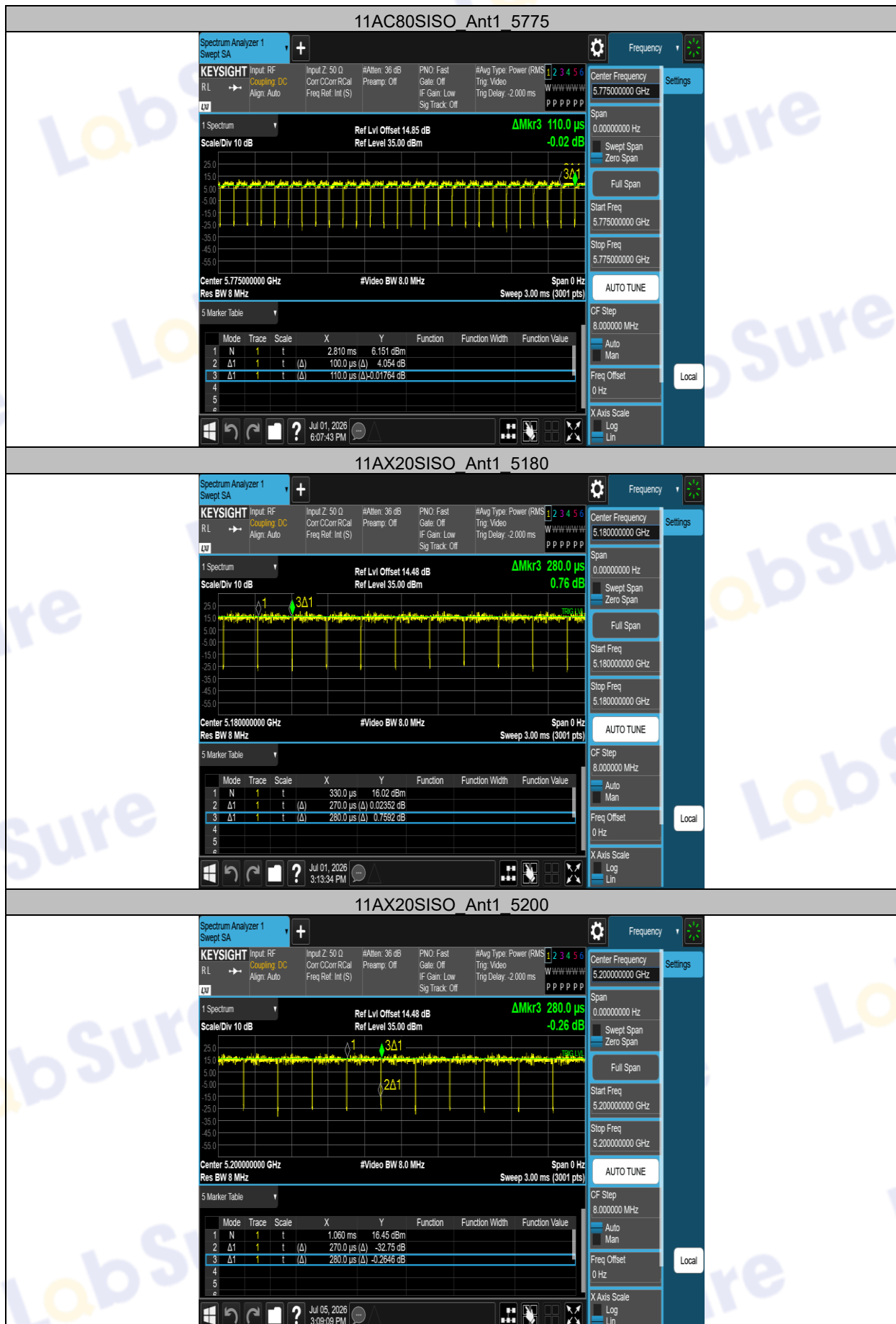


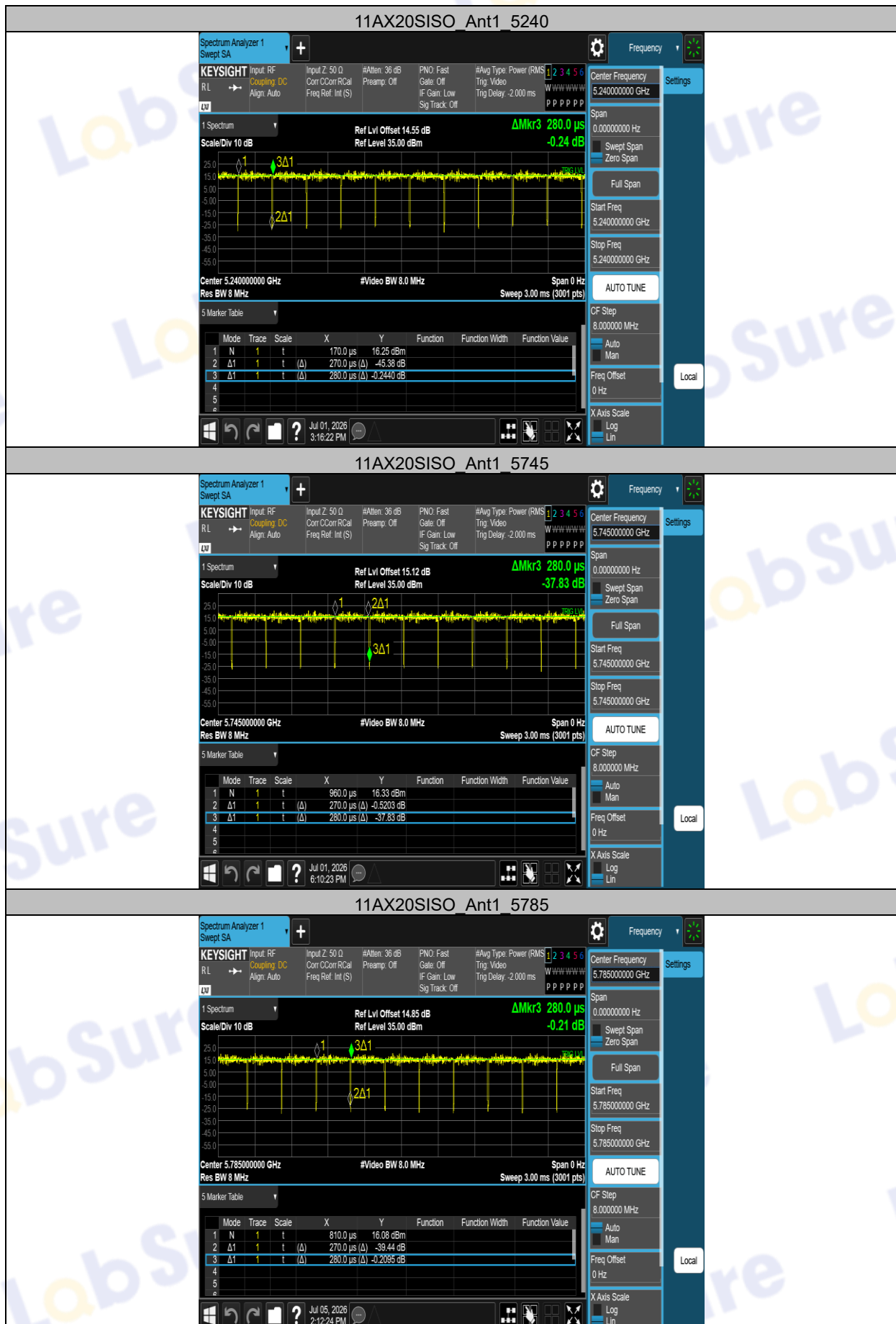


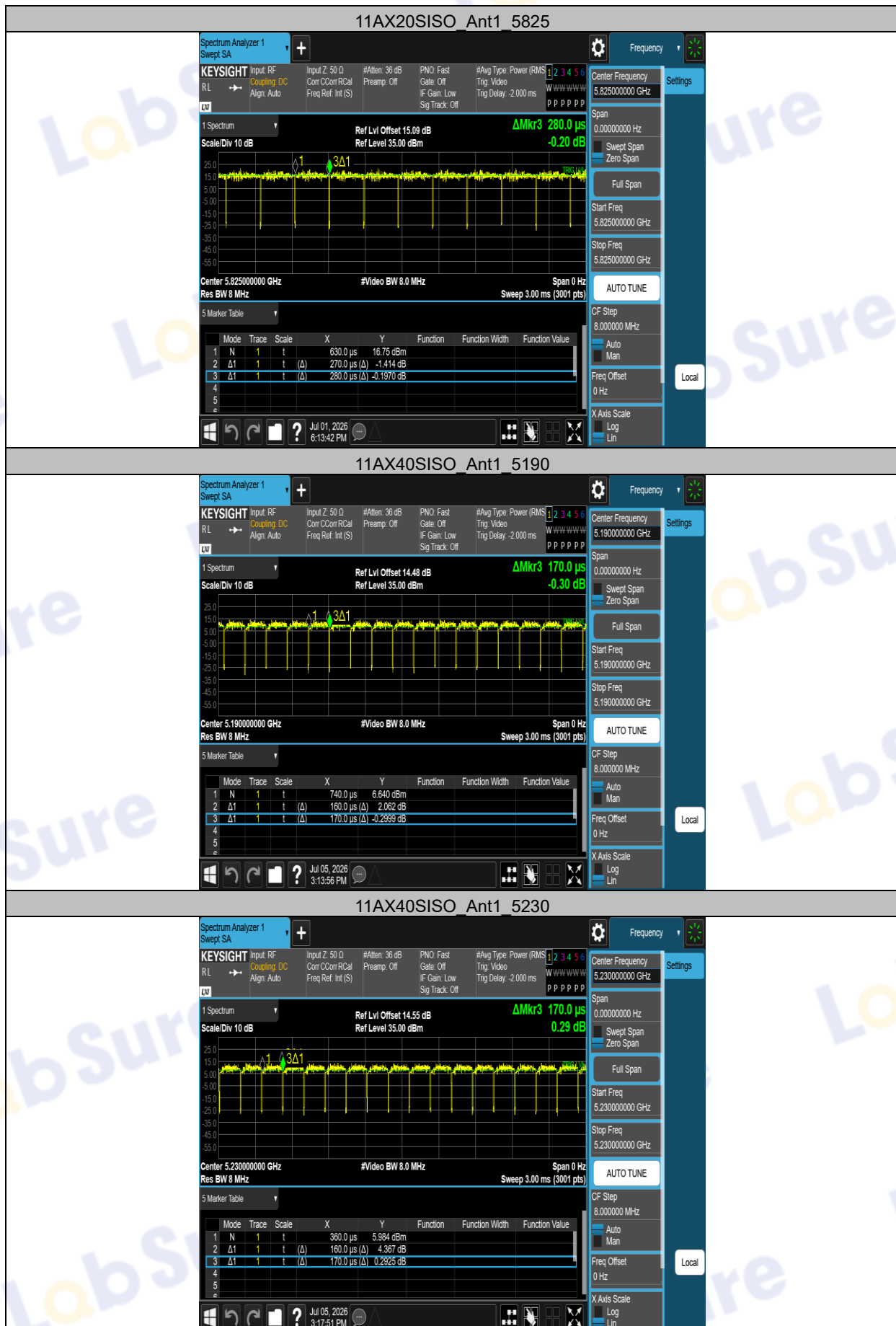


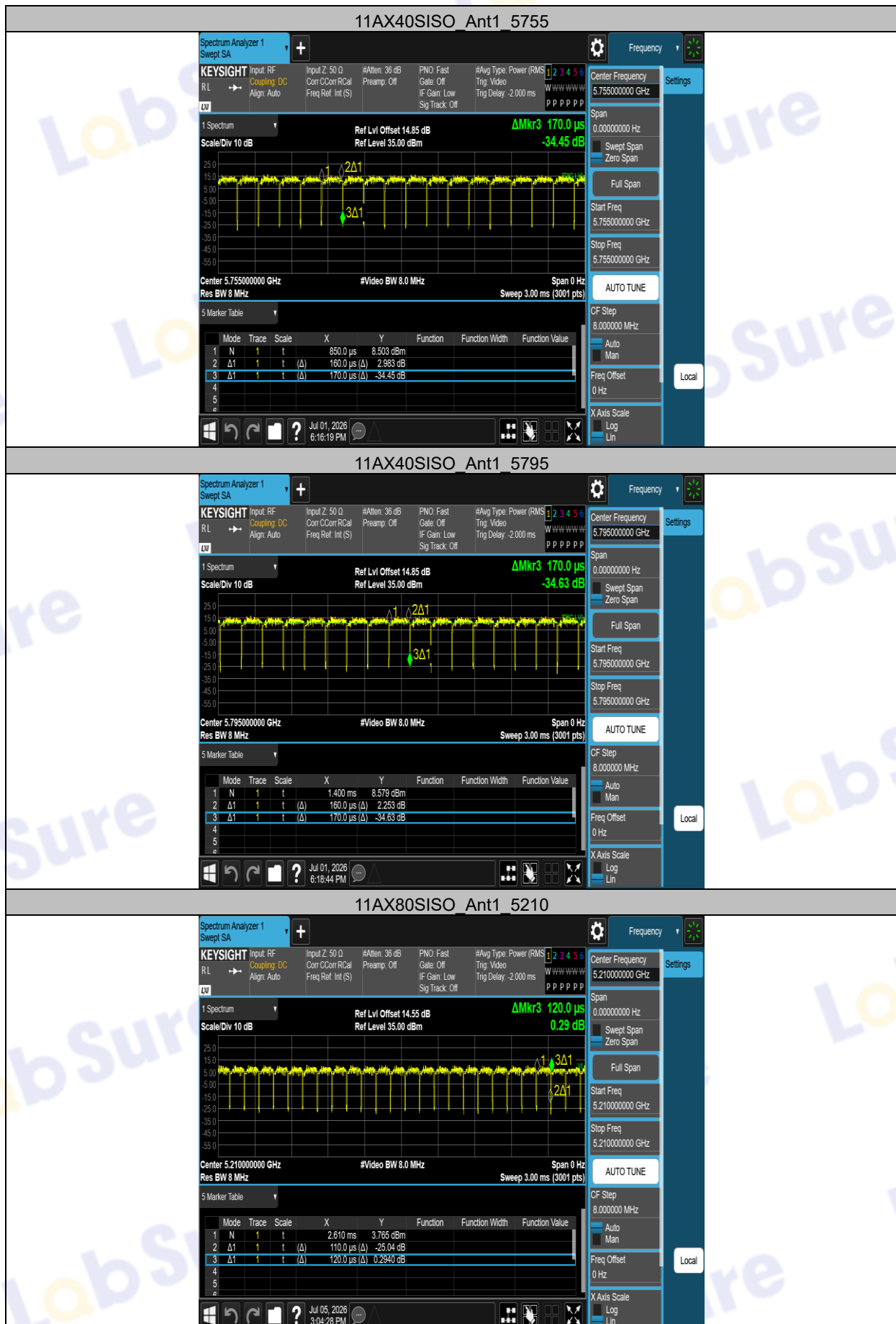


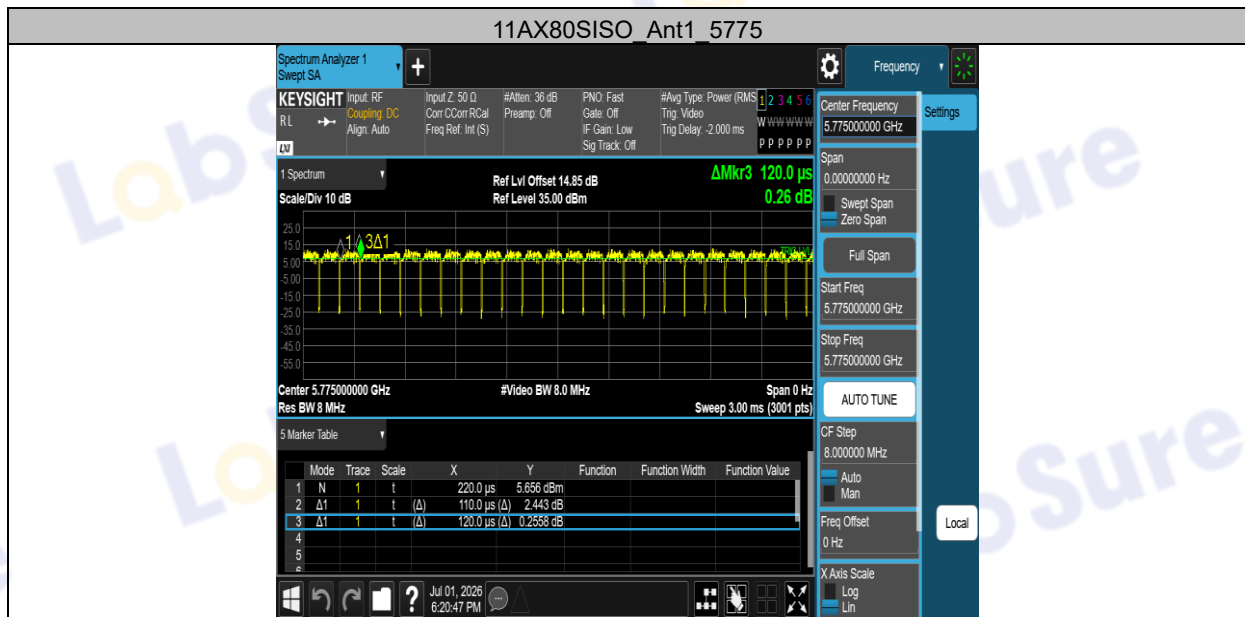












2) For Maximum Conducted Output Power part:

