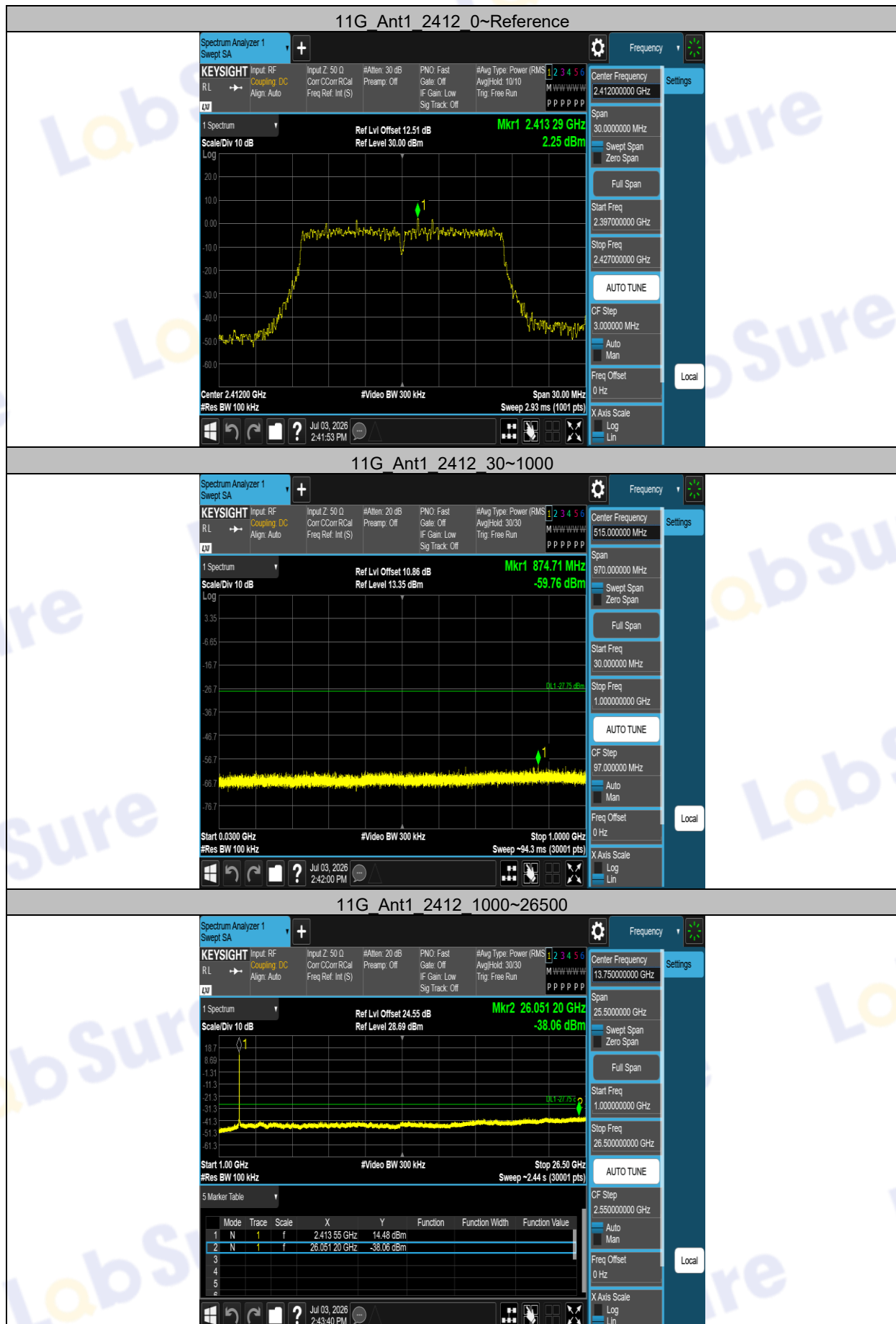
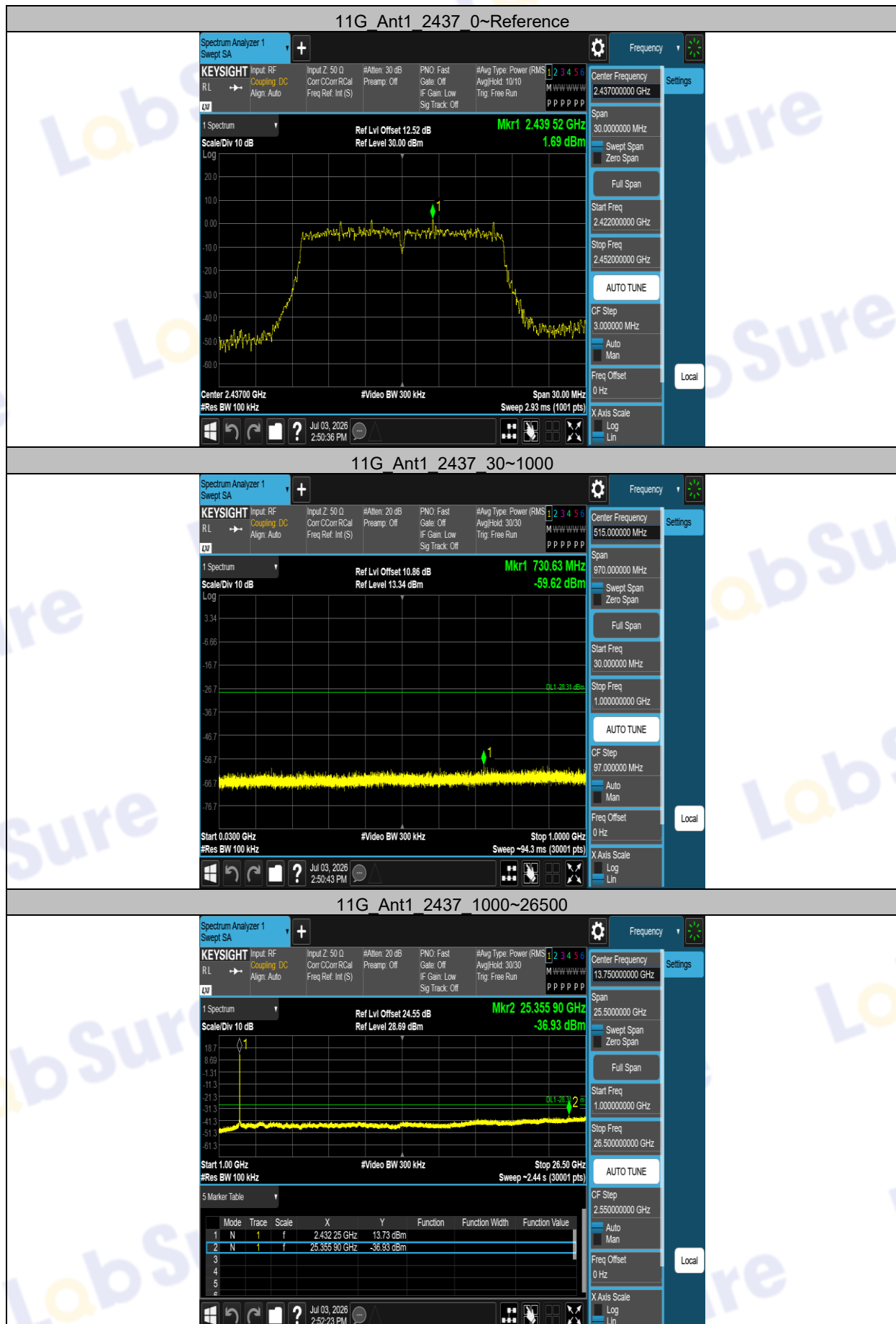
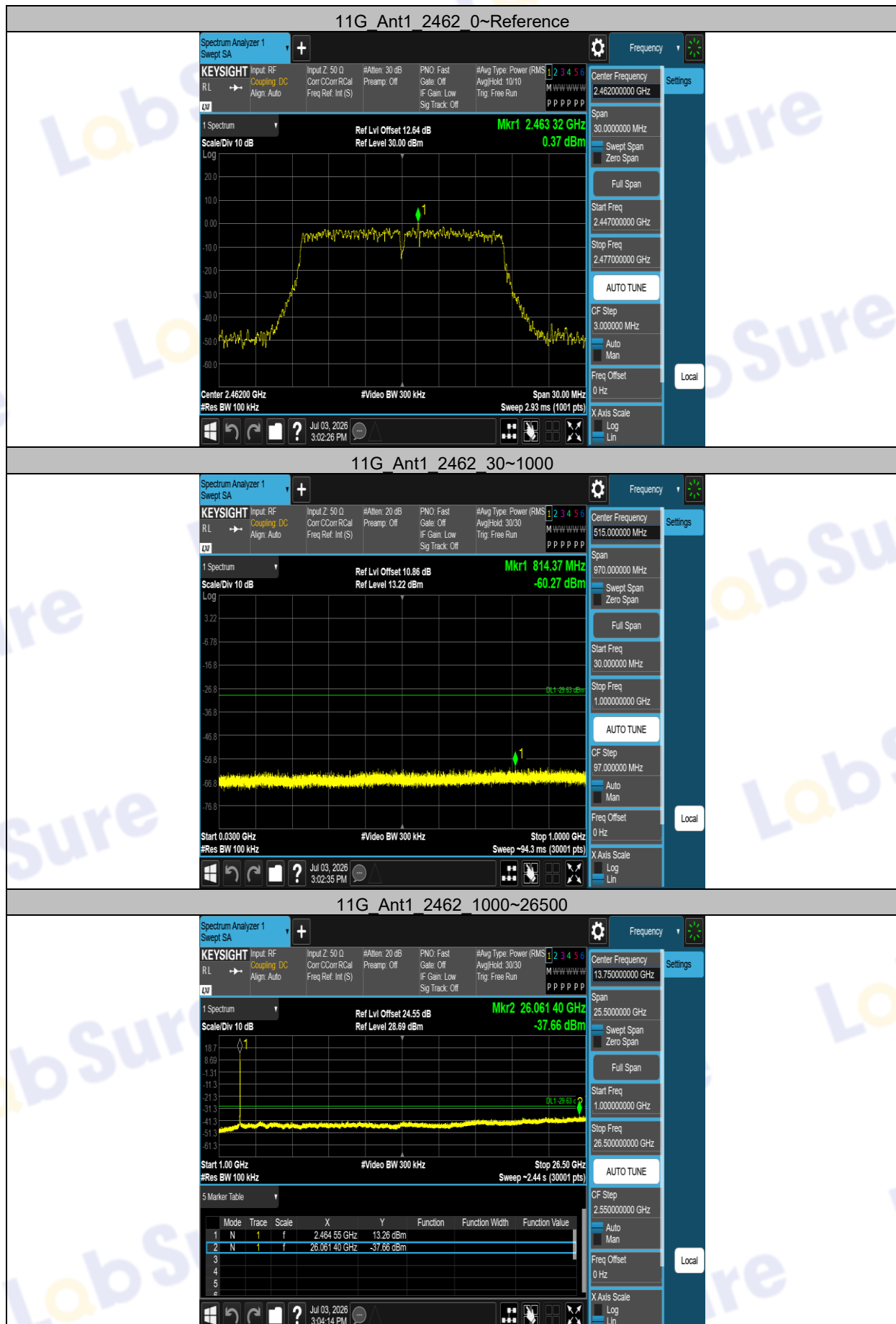
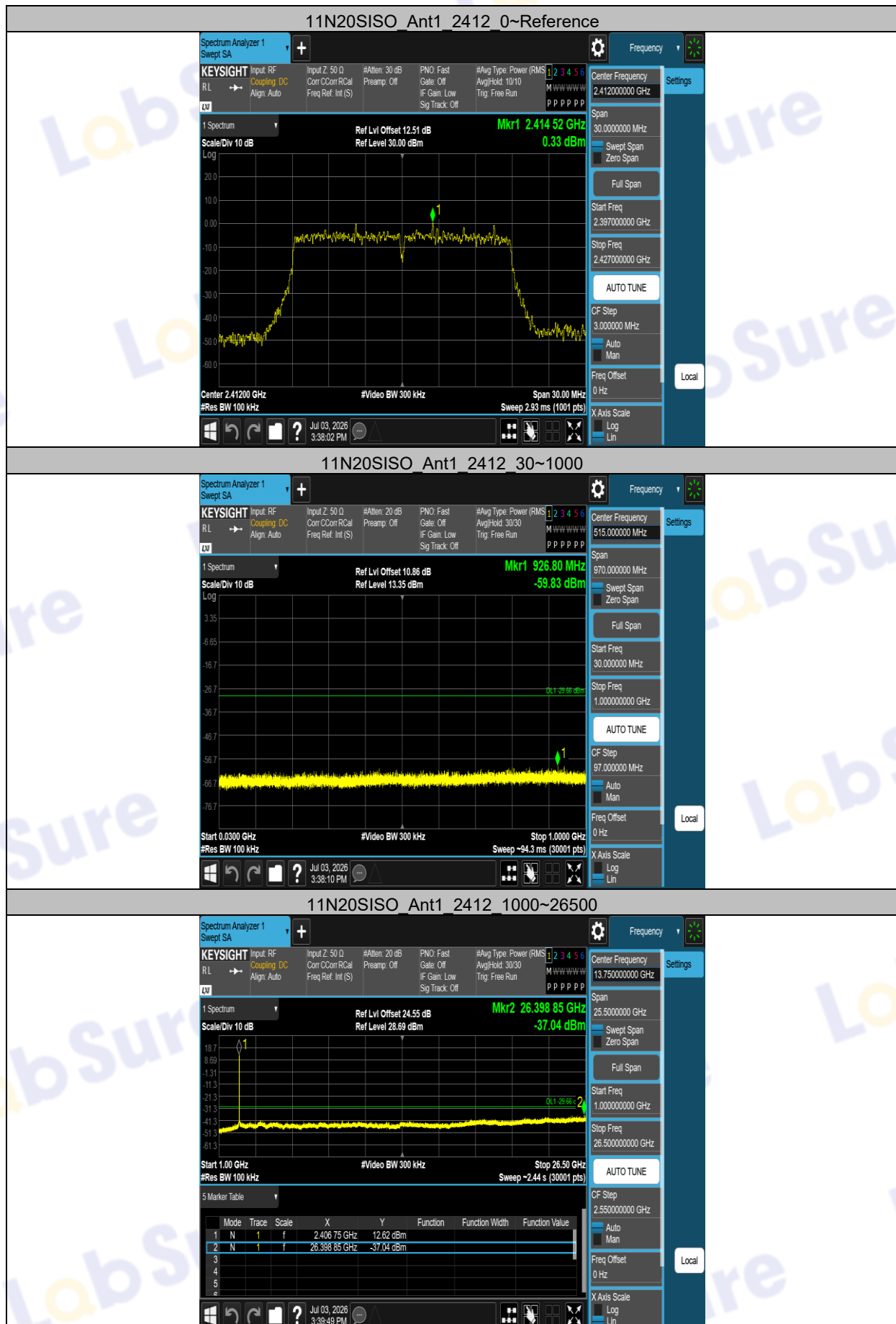
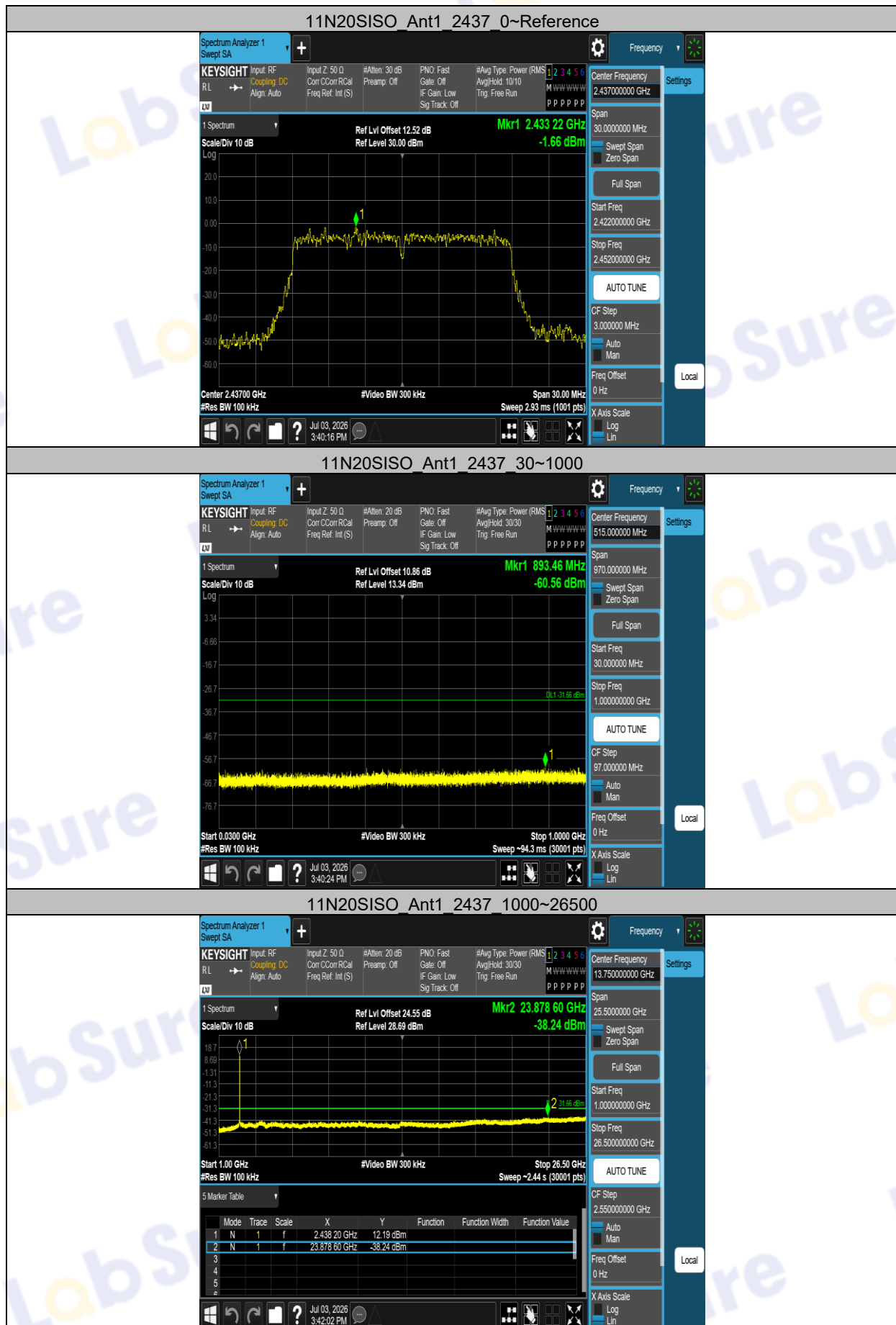


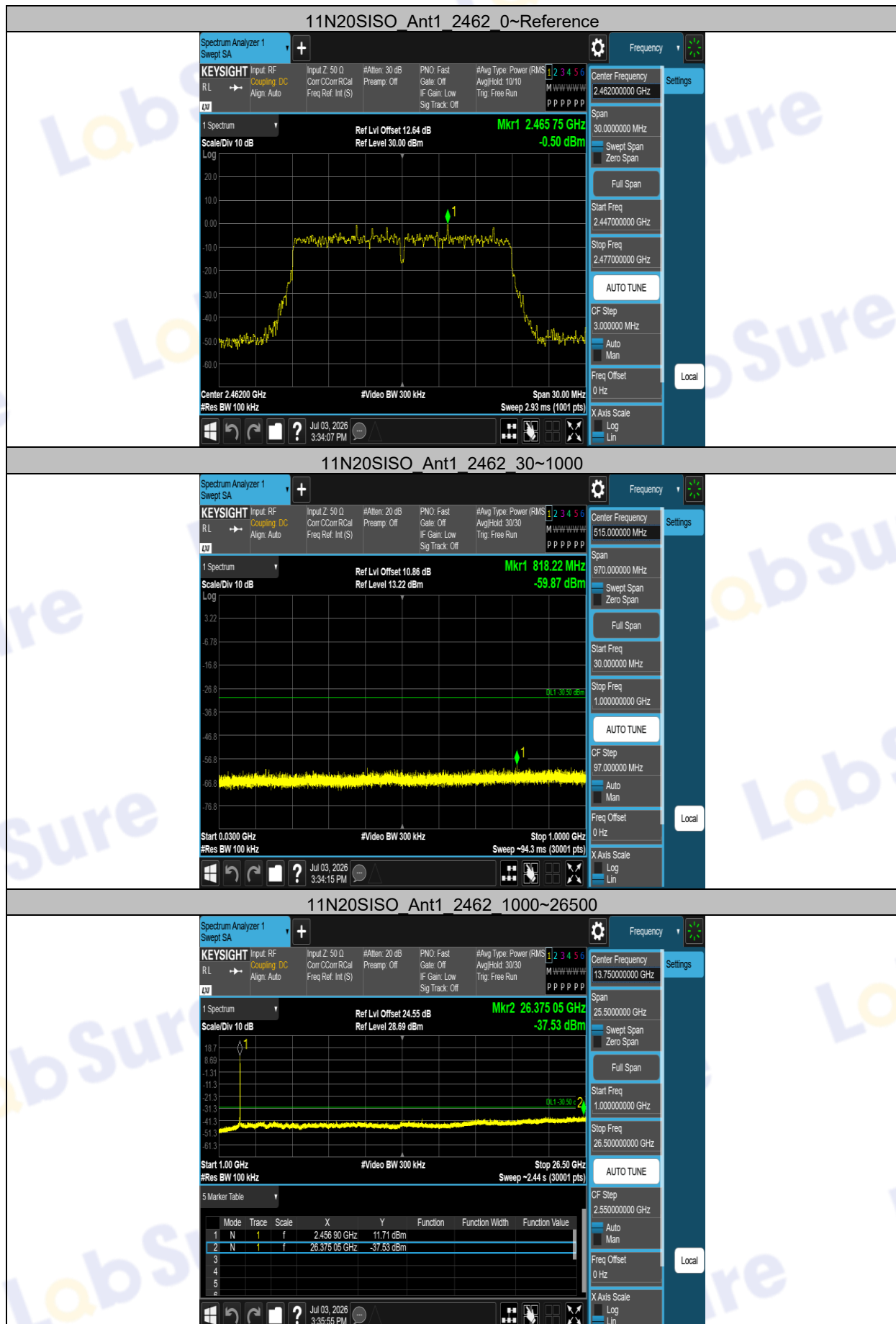


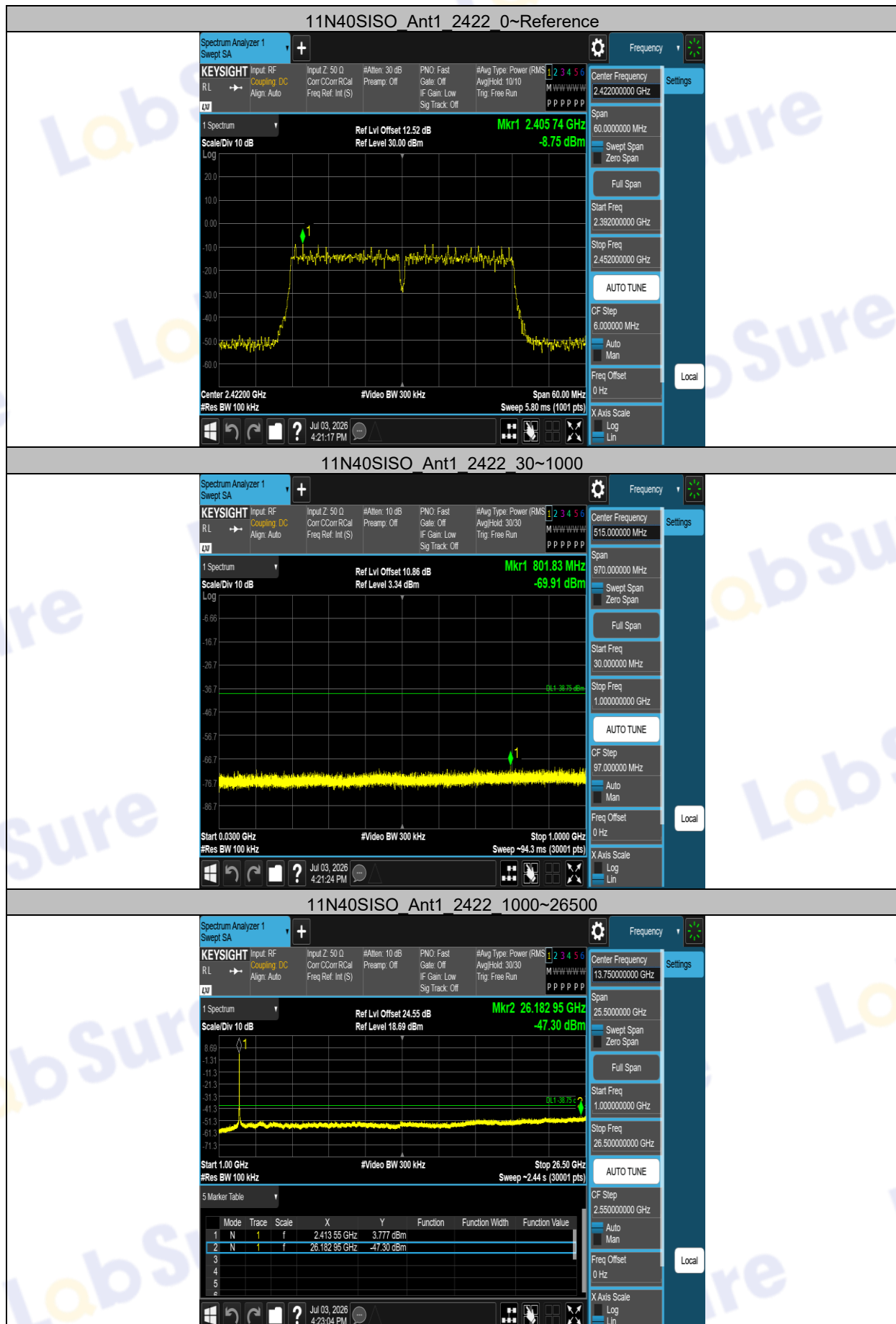


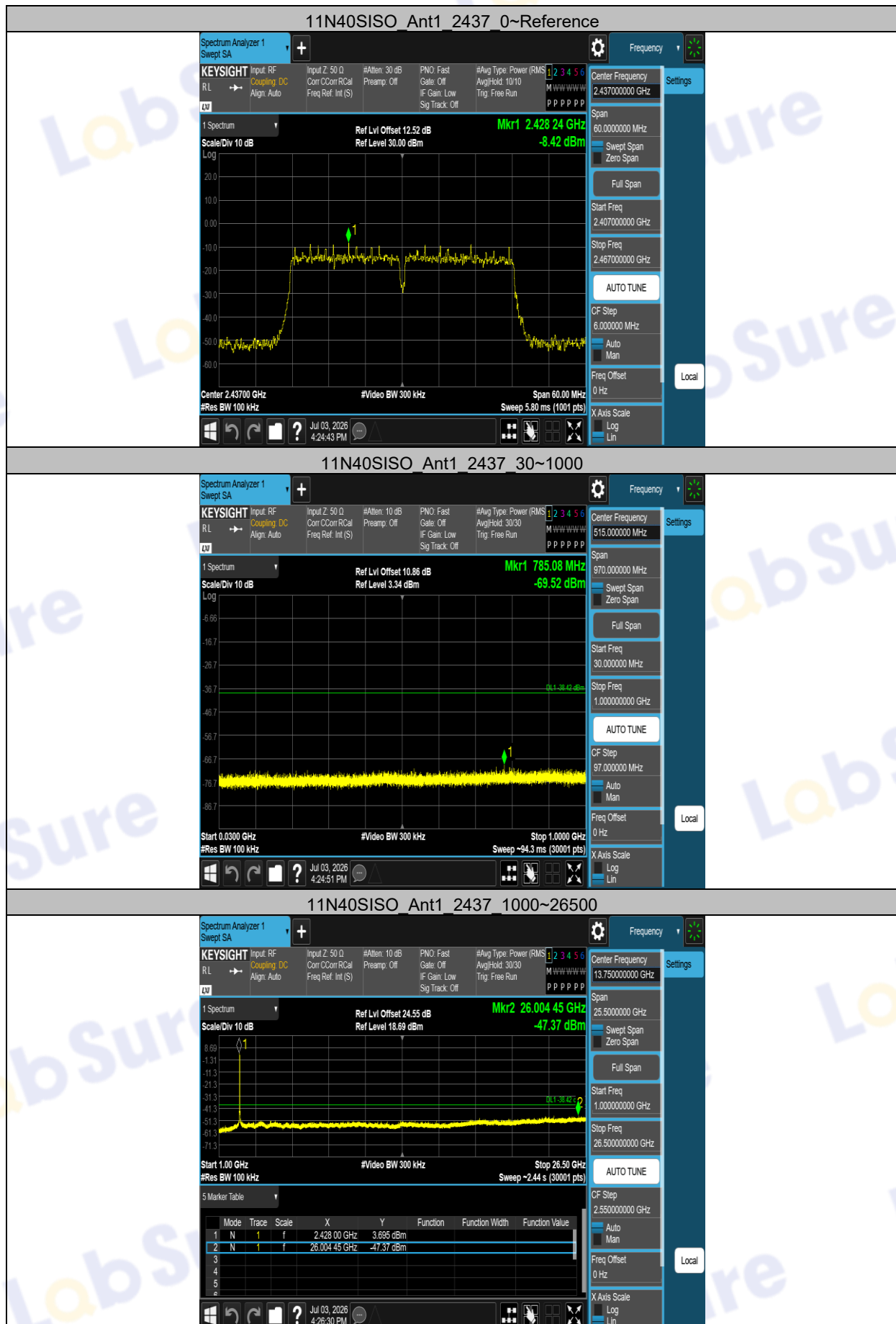


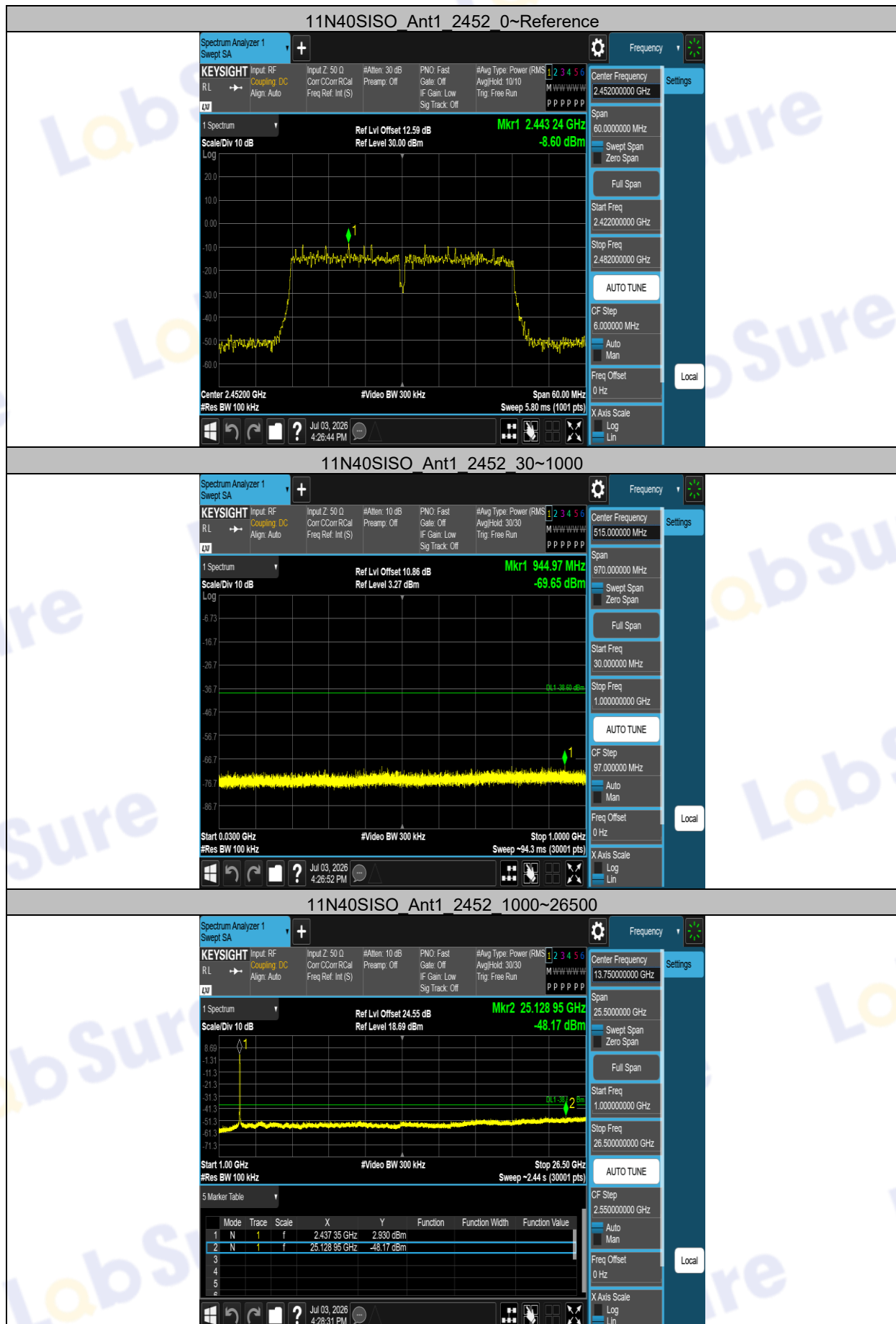


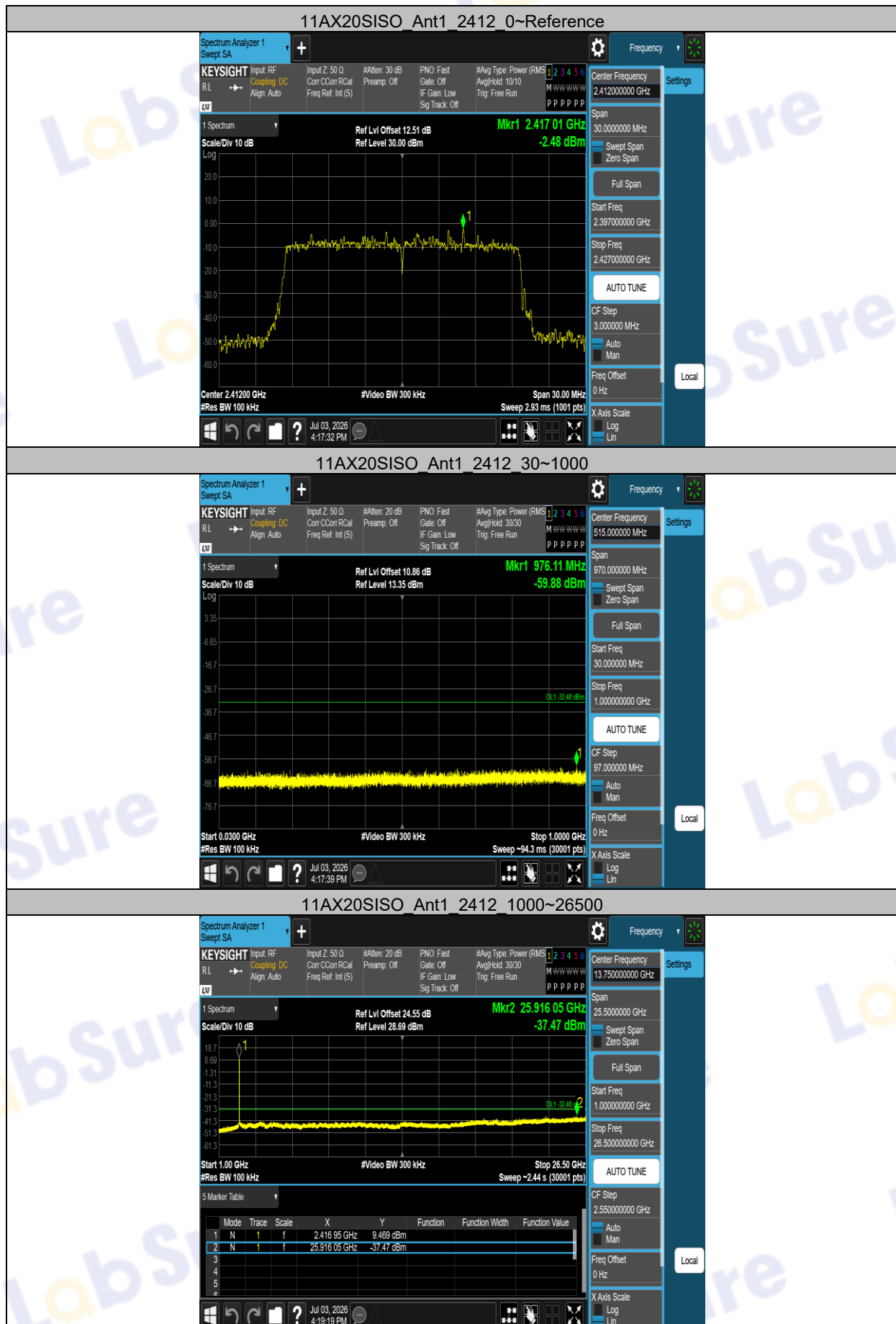


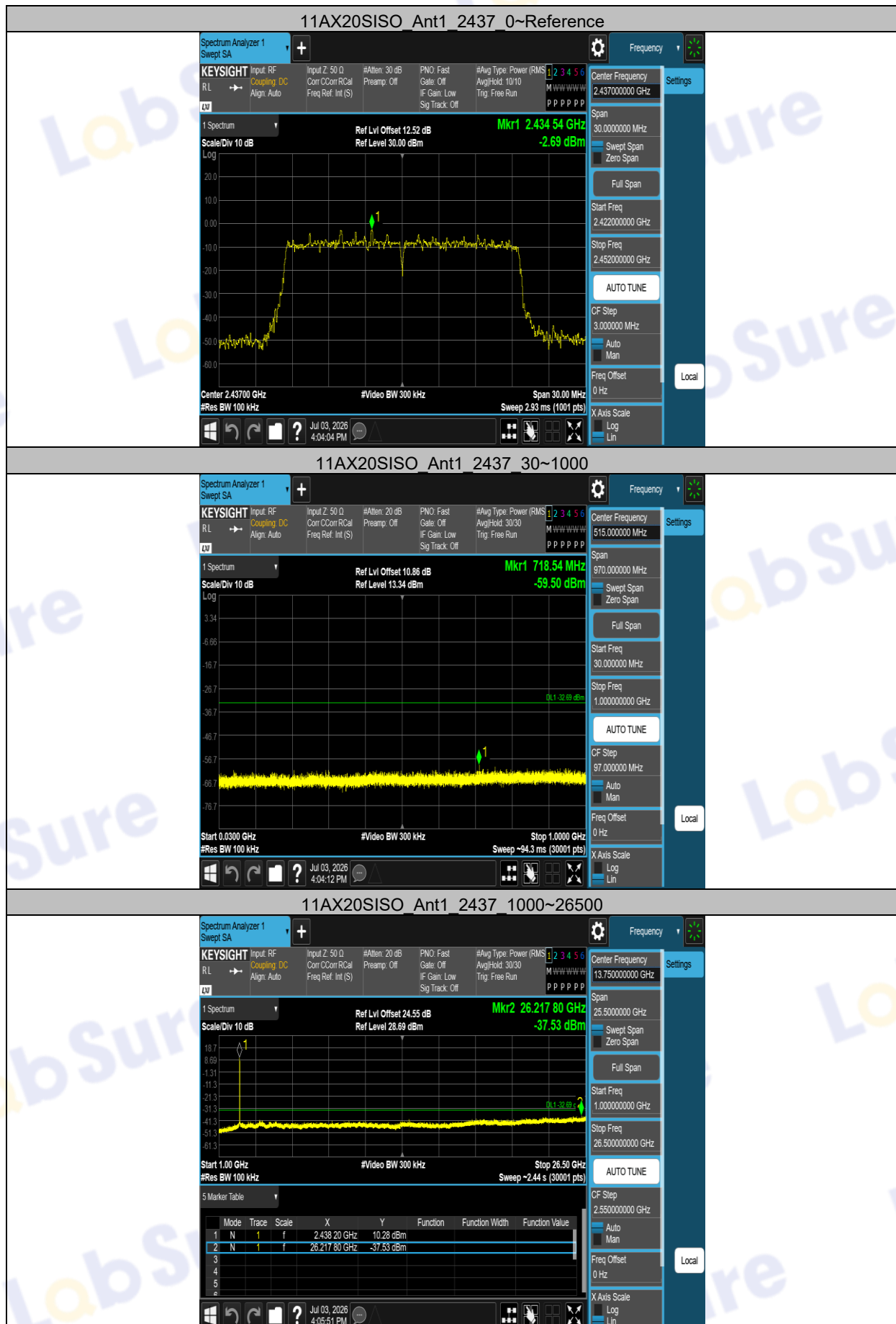


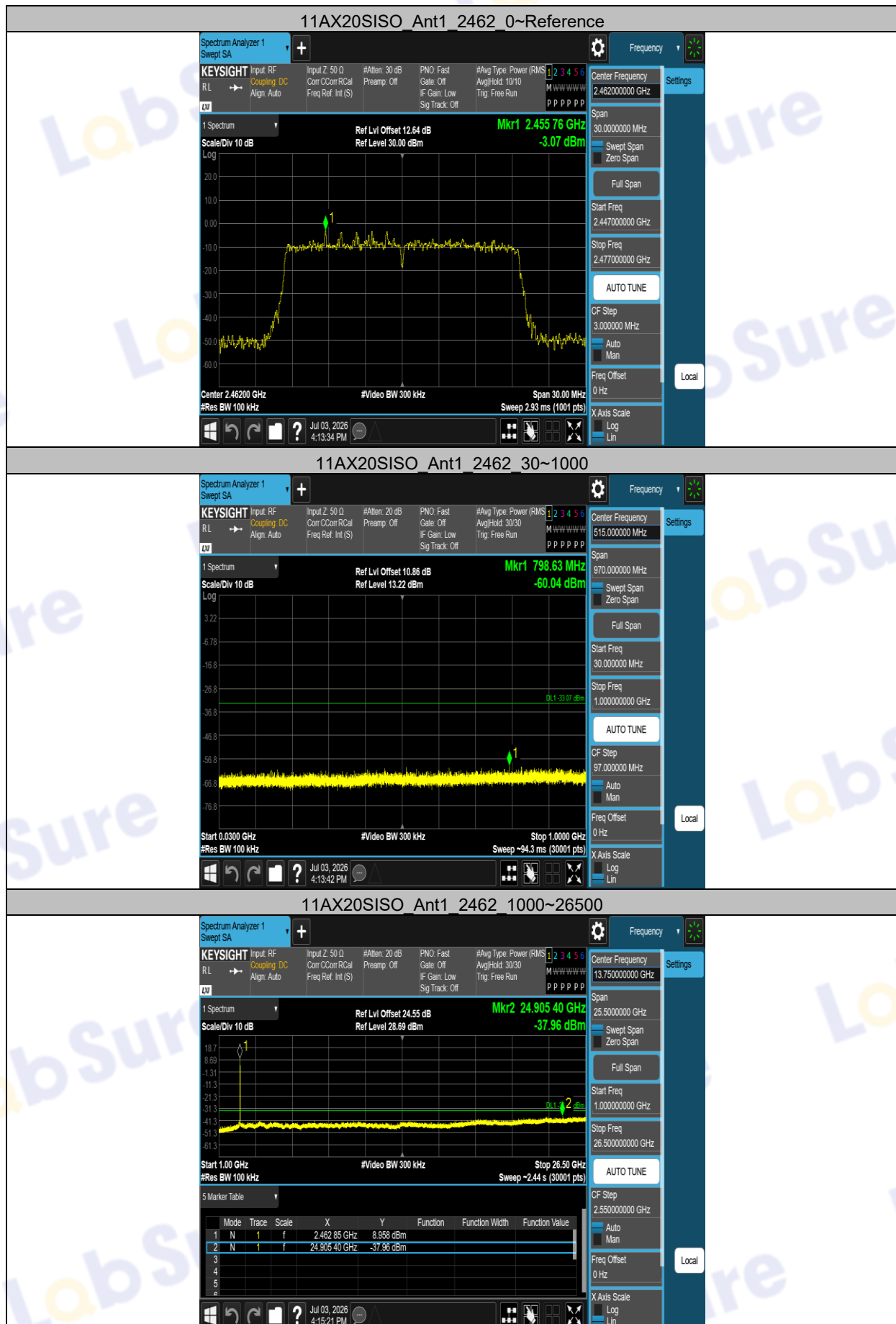


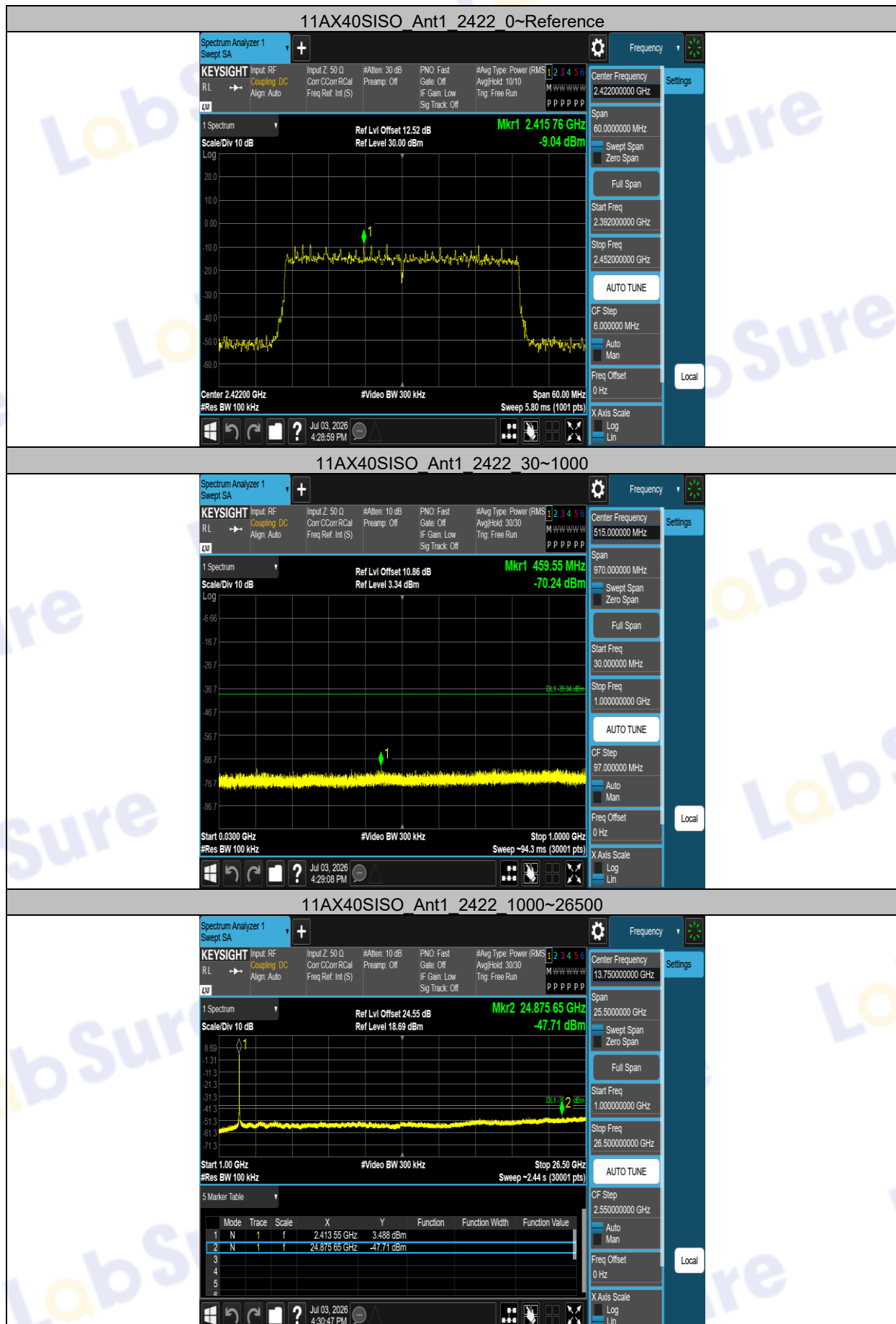


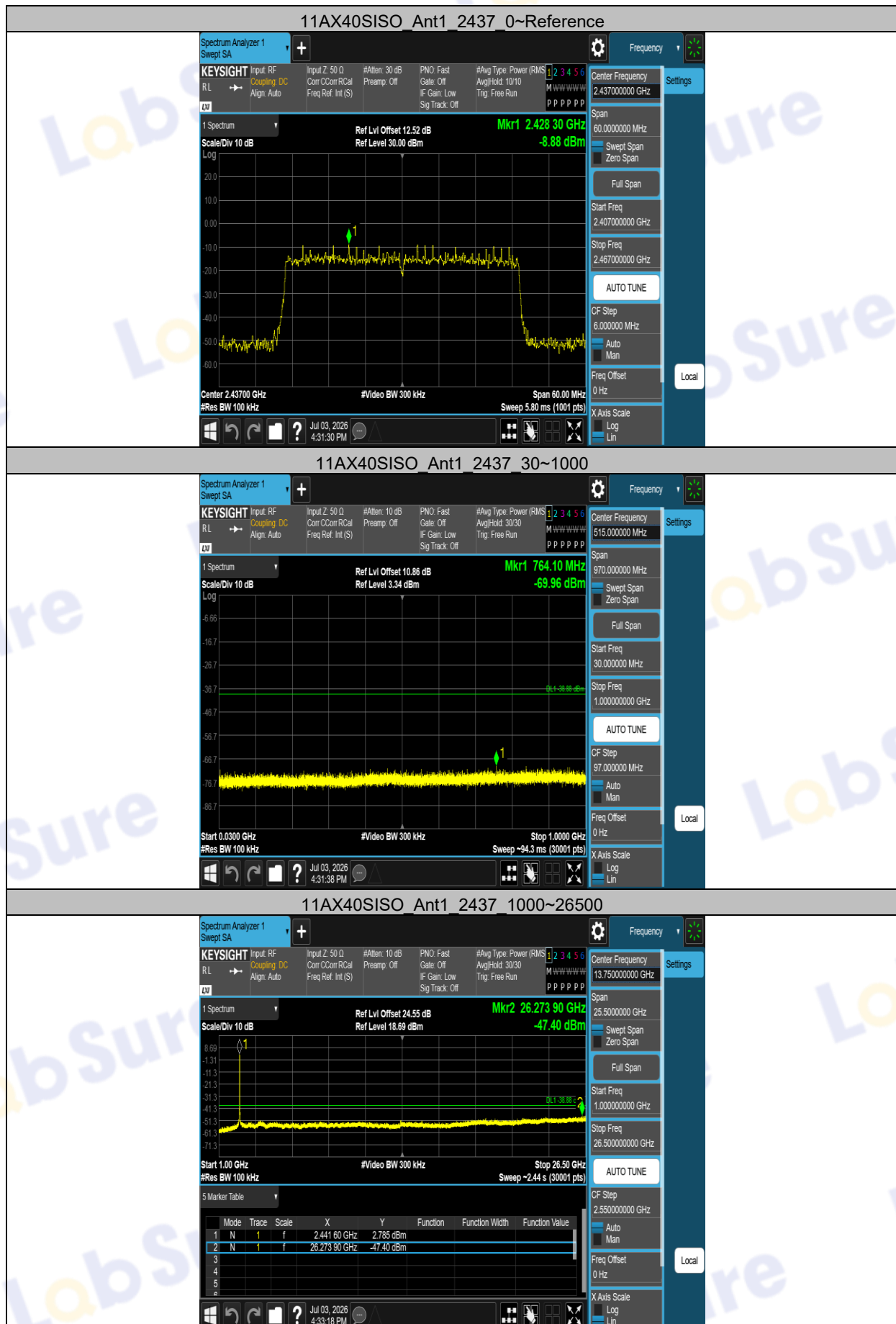


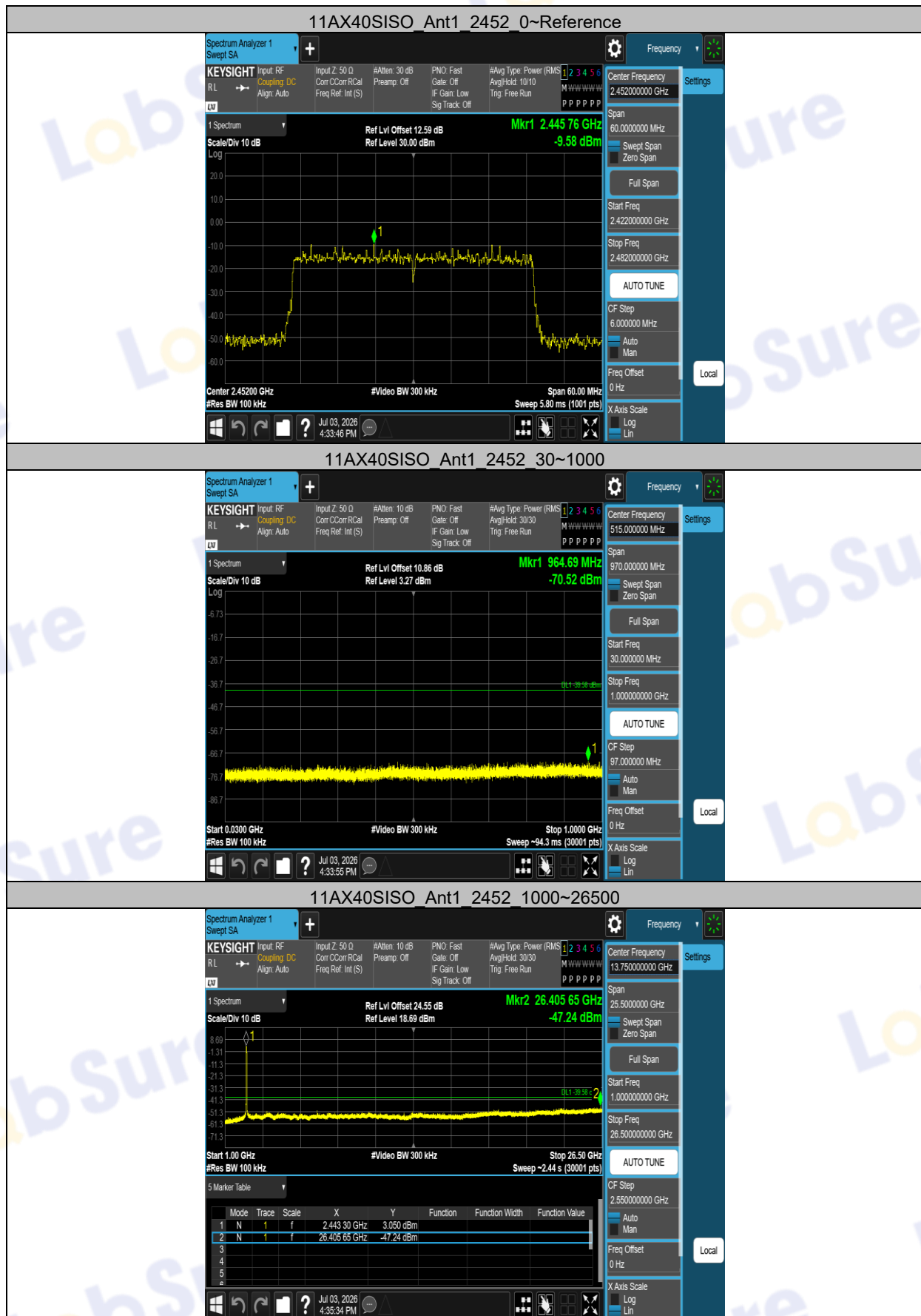








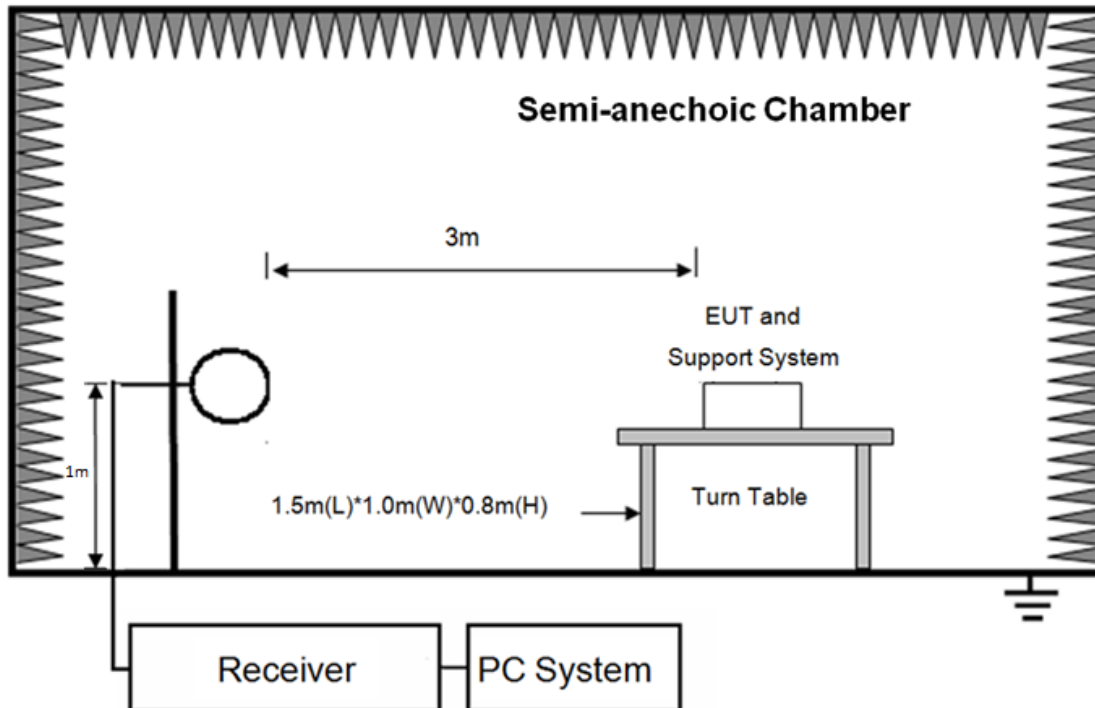




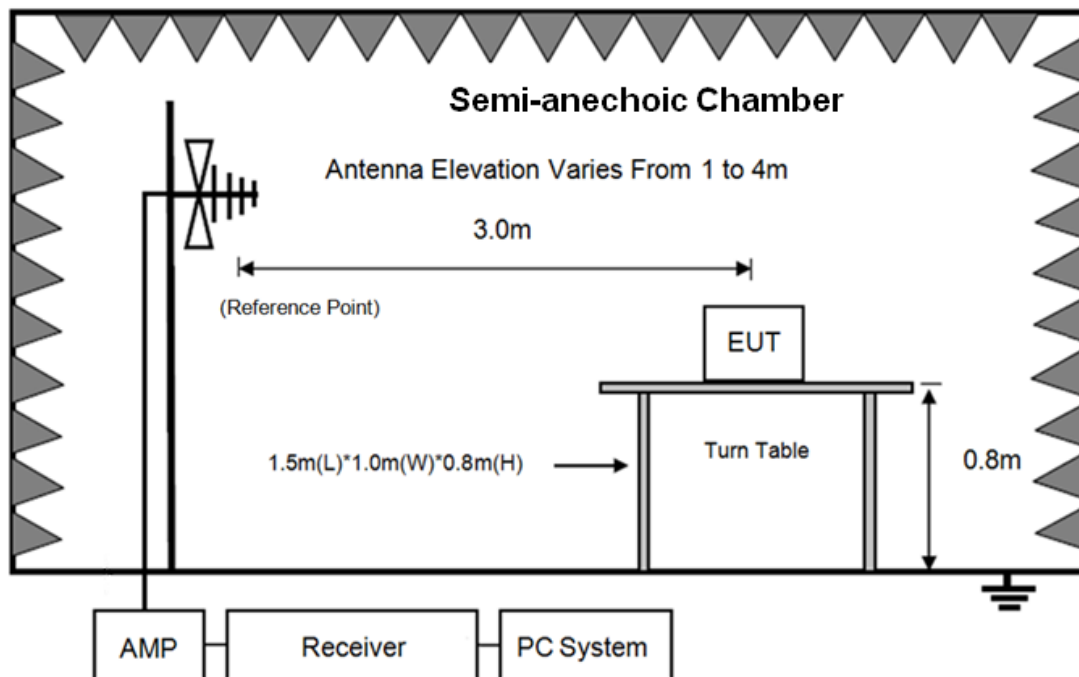
5. Radiated Spurious Emissions

5.1. Block diagram of test setup

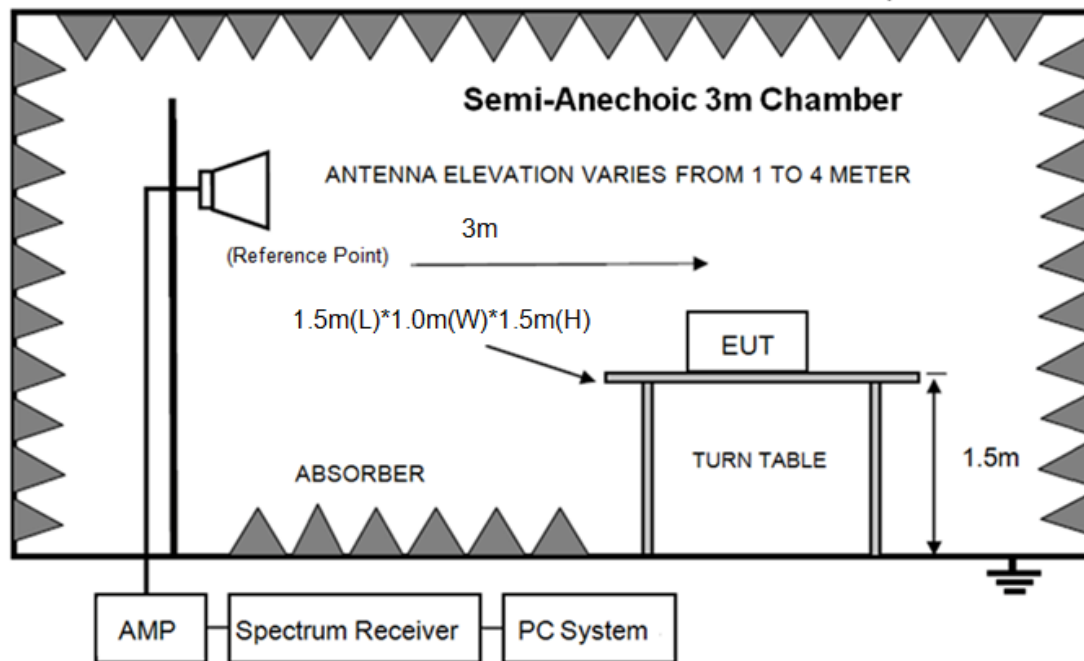
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz – 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

5.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

(2) RSS-GEN Restricted frequency band*

MHz	MHz	MHz	GHz
0.090-0.110	12.57675-12.57725	399.9-410	7.25-7.75
0.495-0.505	13.36-13.41	608-614	8.025-8.5
2.1735-2.1905	16.42-16.423	960-1427	9.0-9.2
3.020-3.026	16.69475-16.69525	1435-1626.5	9.3-9.5
4.125-4.128	16.80425-16.80475	1645.5-1646.5	10.6-12.7
4.17725-4.17775	25.5-25.67	1660-1710	13.25-13.4
4.20725-4.20775	37.5-38.25	1718.8-1722.2	14.47-14.5
5.677-5.683	73-74.6	2200-2300	15.35-16.2
6.215-6.218	74.8-75.2	2310-2390	17.7-21.4
6.26775-6.26825	108-138	2483.5-2500	22.01-23.12
6.31175-6.31225	149.9-150.05	2655-2900	23.6-24.0
8.291-8.294	156.52475-156.52525	3260-3267	31.2-31.8
8.362-8.366	156.7-156.9	3332-3339	36.43-36.5
8.37625-8.38675	162.0125-167.17	3345.8-3358	Above 38.6
8.41425-8.41475	167.72-173.2	3500-4400	
12.29-12.293	240-285	4.5-5.15	
12.51975-12.52025	322-335.4	5.35-5.46	

* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(3) FCC 15.209 & RSS-GEN Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\text{Log}(30m/3m)$$

(4) EUT Limit for this

All the emissions appearing within 15.205 & RSS-GEN restricted frequency bands shall not exceed the limits shown in 15.209 & RSS-GEN, all the other emissions shall be at least 20dB below the fundamental emissions or comply with 15.209 & RSS-GEN limits.

5.3. Test procedure

- (1) EUT height should be 0.8 m for below 1 GHz at a semi-anechoic chamber while EUT height should be 1.5 m for above 1 GHz at full chamber or semi-anechoic chamber ground with absorbers.
- (2) The antenna used as below table.

Test frequency range	Test antenna used	Measuring distance
9 kHz-30 MHz	Active Loop antenna	3 m
30 MHz-1 GHz	Trilog Broadband Antenna	10 m
1 GHz-18 GHz	Double Ridged Horn Antenna(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	3 m

According ANSI C63.10:2020 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna was located 10 m, Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

- (3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:
 - (a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degrees, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1m above ground.)
 - (b) Change work frequency or channel of device if practicable.
 - (c) Change modulation type of device if practicable.
 - (d) Change power supply range from 85% to 115% of the rated supply voltage.
 - (e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18GHz to 25GHz, so below final test was performed with frequency range from 9kHz to 18GHz.

- (4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10 2020 on Radiated Emission test.

- (5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz, for emissions from 9 kHz-90 kHz, 110 kHz-490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.
- (6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz-150 kHz	200 Hz
150 kHz-30 MHz	9 kHz
30 MHz-1 GHz	120 kHz

- (7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2020 clause 4.1.4.2.2 procedure for Average measure.
- (8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

5.4. Test result

Result Table:

1) For 1GHz~3GHz

Environment Parameter	Selected Values During Tests
Relative Humidity	58.5%
Atmospheric Pressure:	100.7kPa
Temperature	23.1°C
Test Date	2026-07-05

Test Mode	Channel	P _u w(dBm)	Verdict
11B	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11G	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N20	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N40	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11AX20	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11AX40	LCH	<Limit	PASS
	MCH	<Limit	PASS

Test Mode	Channel	Puw(dBm)	Verdict
	HCH	<Limit	PASS

2) For 3GHz~18GHz

Environment Parameter	Selected Values During Tests
Relative Humidity	58.5%
Atmospheric Pressure:	100.7kPa
Temperature	23.1°C
Test Date	2026-07-05

Test Mode	Channel	Puw(dBm)	Verdict
11B	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11G	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N20	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11N40	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11AX20	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS
11AX40	LCH	<Limit	PASS
	MCH	<Limit	PASS
	HCH	<Limit	PASS

3) For 18GHz~26.5GHz

Environment Parameter	Selected Values During Tests
Relative Humidity	58.5%
Atmospheric Pressure:	100.7kPa
Temperature	23.1°C
Test Date	2026-07-05

Test Mode	Channel	P _{uw} (dBm)	Verdict
11B	MCH	<Limit	PASS

Remark: Through pre-testing all the test channels, but only the data of the worst case is included in this test report.

4) For 30MHz~1GHz

Environment Parameter	Selected Values During Tests
Relative Humidity	64.3%
Atmospheric Pressure:	100.7kPa
Temperature	23.8°C
Test Date	2026-07-11

Test Mode	Channel	P _{uw} (dBm)	Verdict
11B	MCH	<Limit	PASS

Remark: Remark: Through pre-testing all the test channels, but only the data of the worst case is included in this test report.

5) For 9KHz~30MHz

Environment Parameter	Selected Values During Tests
Relative Humidity	64.3%
Atmospheric Pressure:	100.7kPa
Temperature	23.8°C
Test Date	2026-07-11

Test Mode	Channel	P _{uw} (dBm)	Verdict
11B	MCH	<Limit	PASS

Remark:

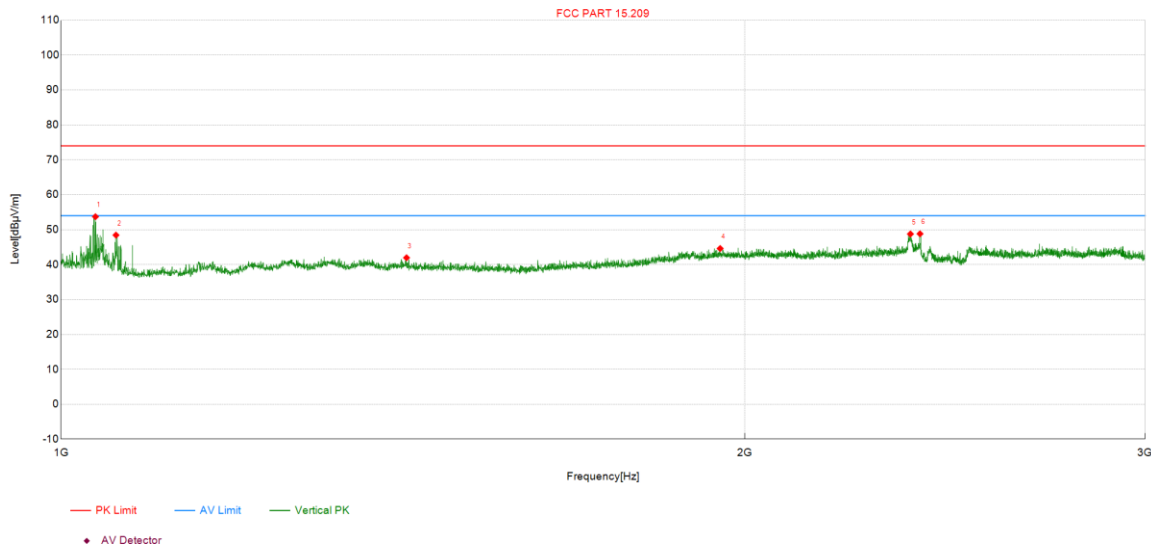
1) Through pre-testing all the test channels, but only the data of the worst case is included in this test report.

2) All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limit.

1) For Radiated Emission test (1GHz -3GHz)

Radiated Emission Test Result

Memo : 11B 2412MHz



Suspected Data List								
Item	Freq.	Read Level	Level	Factor	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBμV)	(dBμV/m)	[dB/m]	(dBμV/m)	(dB)		
1	1035.50	71.38	53.72	-17.66	74.00	20.28	Peak	VERTICAL
2	1057.25	66.54	48.45	-18.09	74.00	25.55	Peak	VERTICAL
3	1419.25	57.62	41.96	-15.66	74.00	32.04	Peak	VERTICAL
4	1950.25	56.70	44.61	-12.09	74.00	29.39	Peak	VERTICAL
5	2365.00	59.52	48.77	-10.75	74.00	25.23	Peak	VERTICAL
6	2388.00	59.34	48.82	-10.52	74.00	25.18	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

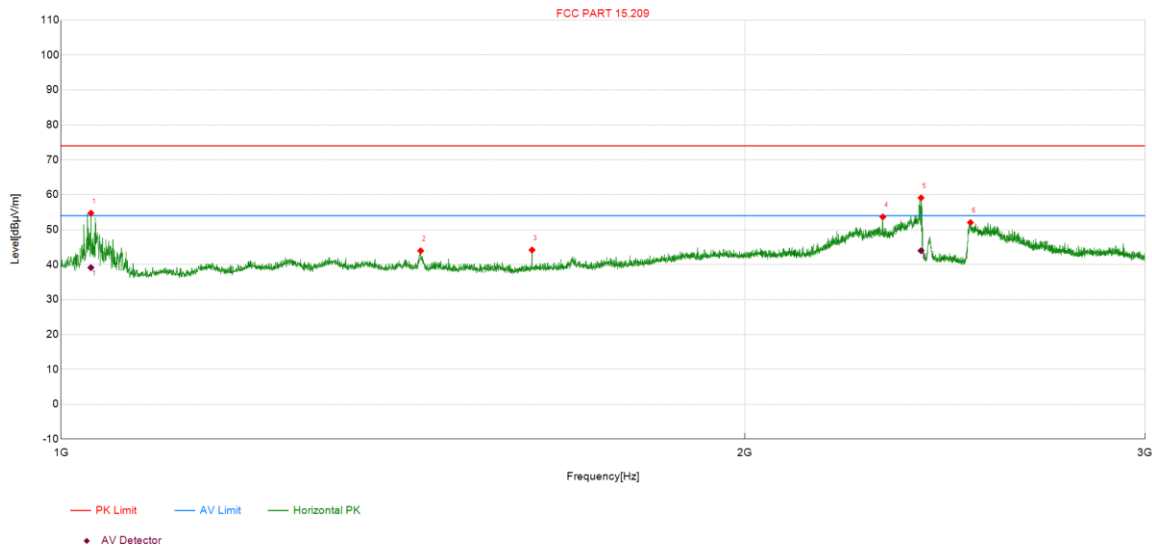
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11B 2412MHz



Suspected Data List

Item	Freq.	Read Level	Level	Factor	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBμV)	(dBμV/m)	[dB/m]	(dBμV/m)	(dB)		
1	1030.75	72.29	54.74	-17.55	74.00	19.26	Peak	HORIZONTAL
		56.68	39.13	-17.55	54.00	14.87	Av	HORIZONTAL
2	1439.75	59.84	43.96	-15.88	74.00	30.04	Peak	HORIZONTAL
3	1611.75	60.63	44.19	-16.44	74.00	29.81	Peak	HORIZONTAL
4	2299.75	64.81	53.66	-11.15	74.00	20.34	Peak	HORIZONTAL
5	2390.50	69.62	59.12	-10.50	74.00	14.88	Peak	HORIZONTAL
		54.48	43.98	-10.50	54.00	10.02	Av	HORIZONTAL
6	2513.25	62.74	52.05	-10.69	74.00	21.95	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

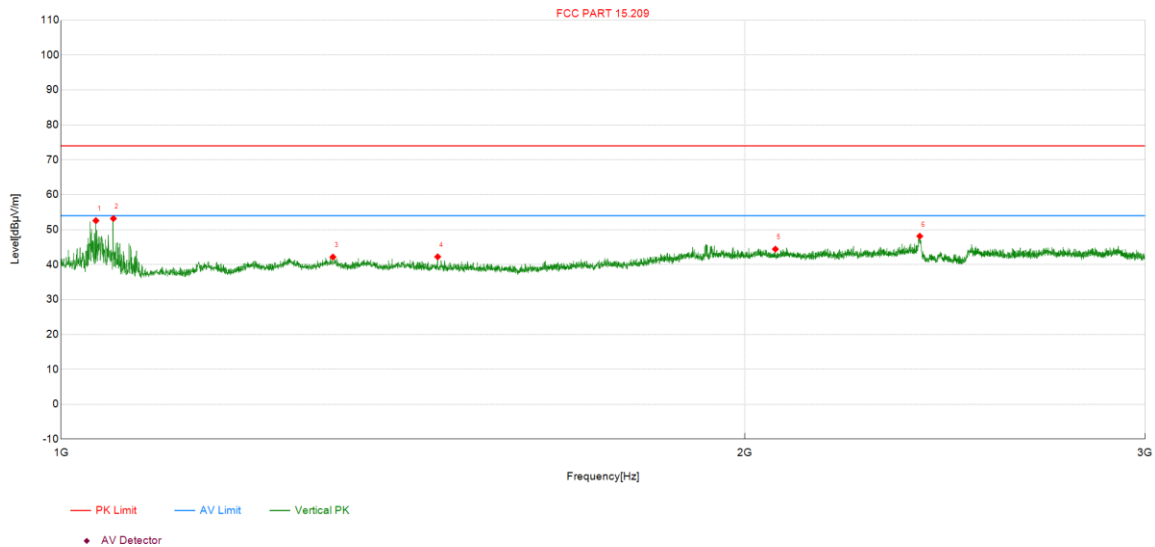
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11B 2437MHz



Suspected Data List								
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Level (dBμV/m)	Factor [dB/m]	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1036.00	70.27	52.59	-17.68	74.00	21.41	Peak	VERTICAL
2	1054.50	71.25	53.19	-18.06	74.00	20.81	Peak	VERTICAL
3	1317.25	57.07	42.17	-14.90	74.00	31.83	Peak	VERTICAL
4	1464.75	58.27	42.23	-16.04	74.00	31.77	Peak	VERTICAL
5	2062.50	56.20	44.43	-11.77	74.00	29.57	Peak	VERTICAL
6	2387.50	58.66	48.13	-10.53	74.00	25.87	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

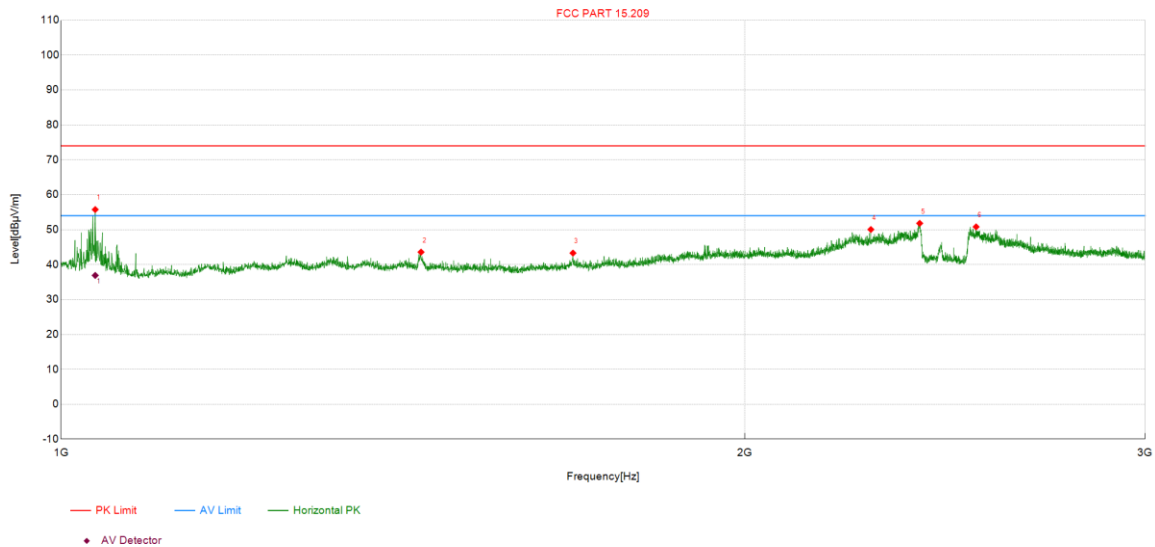
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11B 2437MHz



Suspected Data List								
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Level (dBμV/m)	Factor [dB/m]	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1035.25	73.43	55.77	-17.66	74.00	18.23	Peak	HORIZONTAL
		54.56	36.90	-17.66	54.00	17.10	Av	HORIZONTAL
2	1440.25	59.46	43.58	-15.88	74.00	30.42	Peak	HORIZONTAL
3	1680.00	58.84	43.30	-15.54	74.00	30.70	Peak	HORIZONTAL
4	2272.00	61.32	50.05	-11.27	74.00	23.95	Peak	HORIZONTAL
5	2387.25	62.34	51.82	-10.52	74.00	22.18	Peak	HORIZONTAL
6	2527.75	61.62	50.81	-10.81	74.00	23.19	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

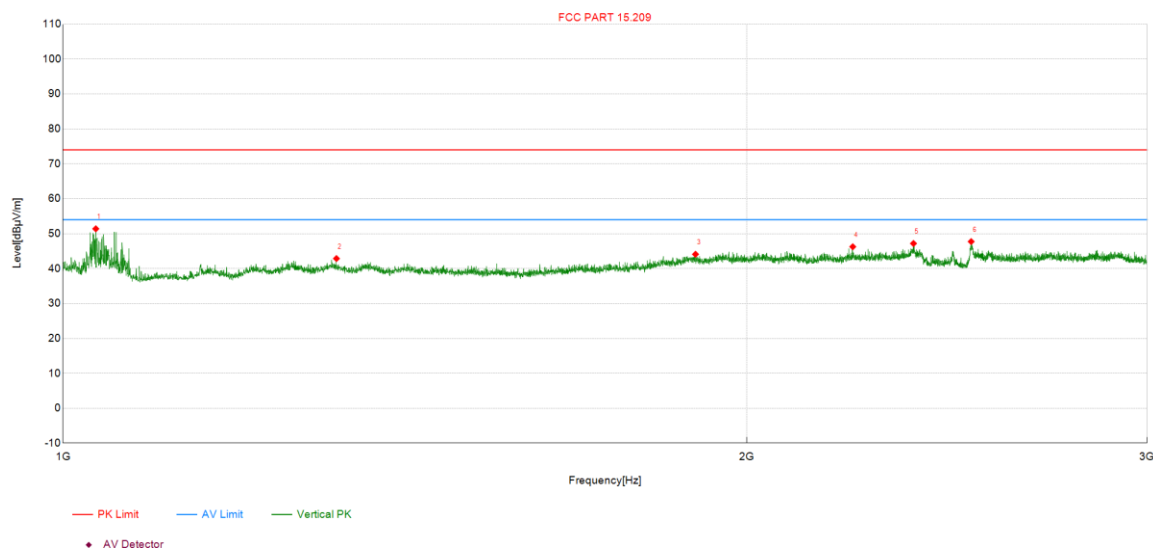
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11B 2462MHz



Suspected Data List								
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Level (dBμV/m)	Factor [dB/m]	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1033.75	69.02	51.40	-17.62	74.00	22.60	Peak	VERTICAL
2	1319.25	57.79	42.88	-14.91	74.00	31.12	Peak	VERTICAL
3	1898.25	56.60	44.11	-12.49	74.00	29.89	Peak	VERTICAL
4	2226.25	57.73	46.26	-11.47	74.00	27.74	Peak	VERTICAL
5	2367.50	57.93	47.20	-10.73	74.00	26.80	Peak	VERTICAL
6	2510.00	58.39	47.74	-10.65	74.00	26.26	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

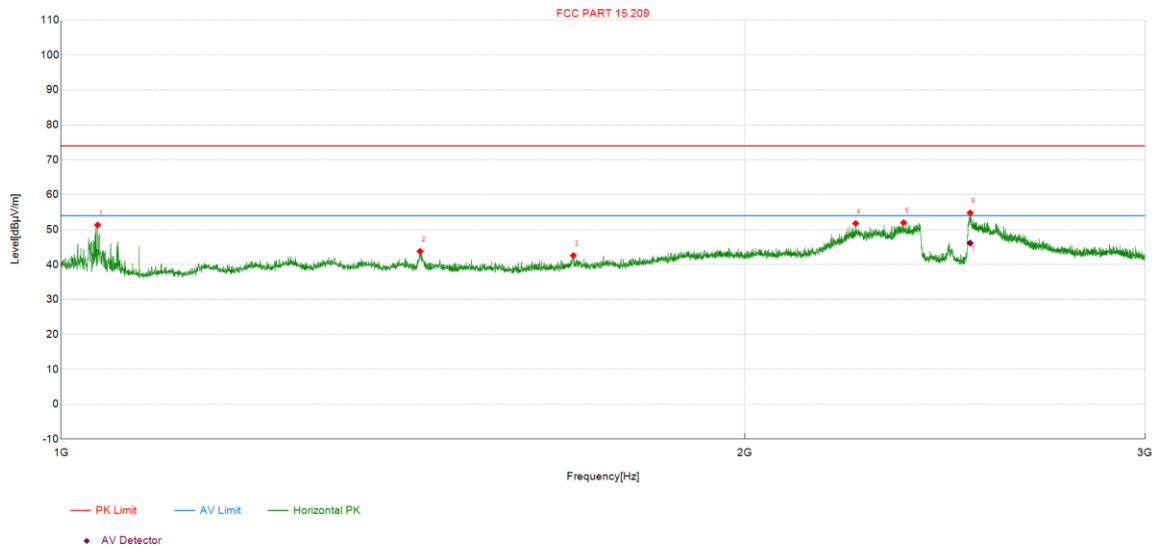
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11B 2462MHz



Suspected Data List								
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Level (dBμV/m)	Factor [dB/m]	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1037.75	69.05	51.33	-17.72	74.00	22.67	Peak	HORIZONTAL
2	1438.75	59.68	43.81	-15.87	74.00	30.19	Peak	HORIZONTAL
3	1680.50	58.13	42.60	-15.53	74.00	31.40	Peak	HORIZONTAL
4	2237.25	63.18	51.77	-11.41	74.00	22.23	Peak	HORIZONTAL
5	2348.75	62.93	52.02	-10.91	74.00	21.98	Peak	HORIZONTAL
6	2512.50	65.48	54.80	-10.68	74.00	19.20	Peak	HORIZONTAL
		56.84	46.16	-10.68	54.00	7.84	Av	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

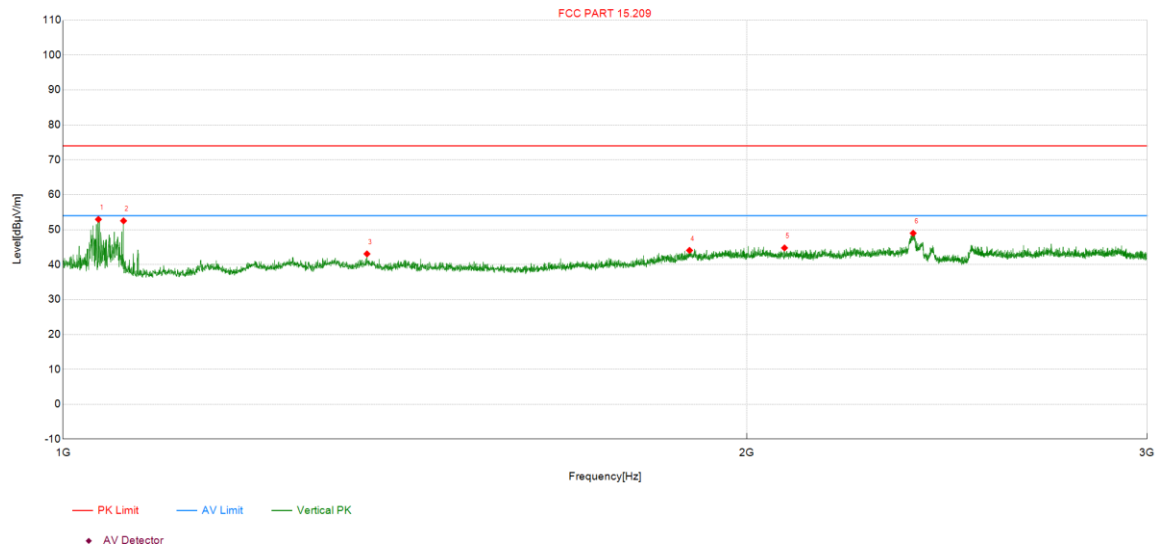
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11G 2412MHz



Suspected Data List								
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Level (dBμV/m)	Factor [dB/m]	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1036.50	70.64	52.95	-17.69	74.00	21.05	Peak	VERTICAL
2	1063.25	70.67	52.53	-18.14	74.00	21.47	Peak	VERTICAL
3	1360.75	58.27	43.07	-15.20	74.00	30.93	Peak	VERTICAL
4	1886.75	56.73	44.07	-12.66	74.00	29.93	Peak	VERTICAL
5	2077.50	56.52	44.78	-11.74	74.00	29.22	Peak	VERTICAL
6	2366.75	59.72	48.99	-10.73	74.00	25.01	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

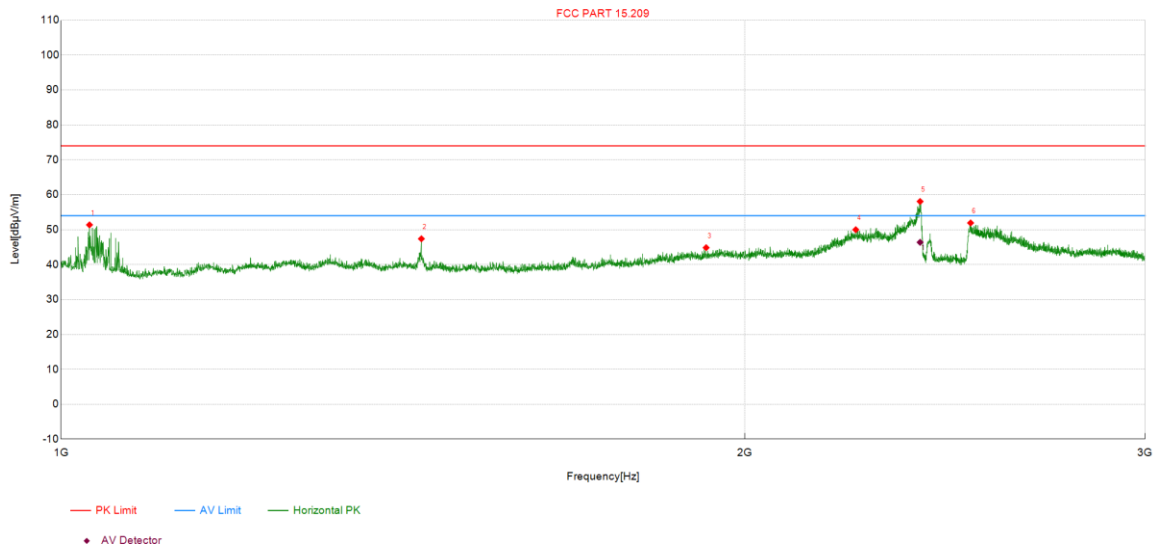
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.

Radiated Emission Test Result

Memo : 11G 2412MHz



Suspected Data List								
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Level (dBμV/m)	Factor [dB/m]	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	1029.25	68.88	51.38	-17.50	74.00	22.62	Peak	HORIZONTAL
2	1440.75	63.28	47.39	-15.89	74.00	26.61	Peak	HORIZONTAL
3	1922.75	57.14	44.85	-12.29	74.00	29.15	Peak	HORIZONTAL
4	2237.50	61.41	50.00	-11.41	74.00	24.00	Peak	HORIZONTAL
5	2388.25	68.60	58.08	-10.52	74.00	15.92	Peak	HORIZONTAL
		56.91	46.39	-10.52	54.00	7.61	Av	HORIZONTAL
6	2513.75	62.62	51.93	-10.69	74.00	22.07	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

4. Margin = Result Level - Limit.