



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: IP PHONE

Test Model: CIP291PLUS

Environmental Conditions

Temperature:	23.2°C
Relative Humidity:	53.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun





C.1 DTS Bandwidth

Test Result

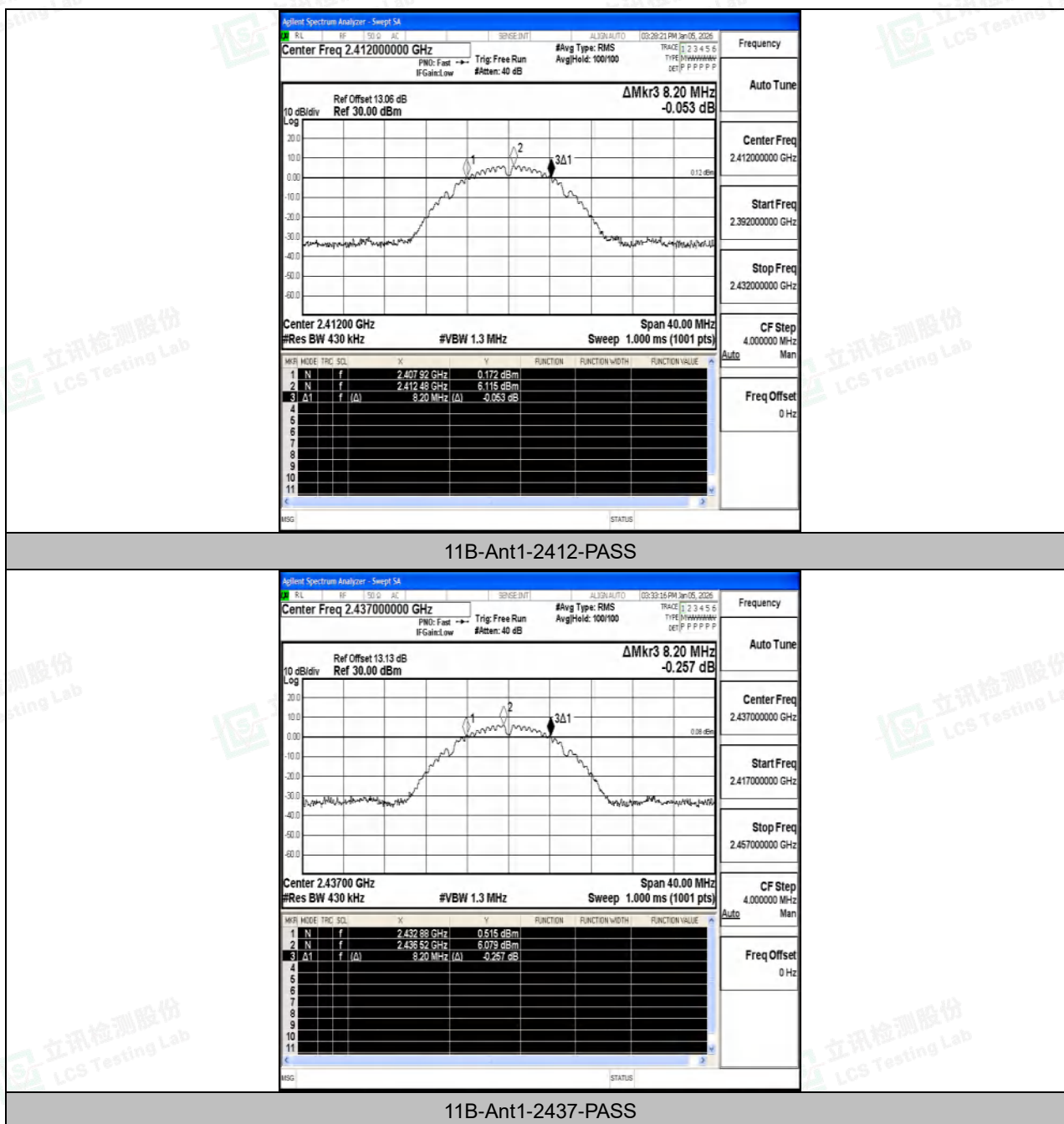
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.200	2407.920	2416.120	0.5	PASS
11B	Ant1	2437	8.200	2432.880	2441.080	0.5	PASS
11B	Ant1	2462	8.160	2457.840	2466.000	0.5	PASS
11G	Ant1	2412	15.960	2404.120	2420.080	0.5	PASS
11G	Ant1	2437	16.400	2428.800	2445.200	0.5	PASS
11G	Ant1	2462	16.280	2453.800	2470.080	0.5	PASS
11N20SISO	Ant1	2412	16.720	2403.640	2420.360	0.5	PASS
11N20SISO	Ant1	2437	17.360	2428.320	2445.680	0.5	PASS
11N20SISO	Ant1	2462	17.200	2453.320	2470.520	0.5	PASS
11N40SISO	Ant1	2422	31.680	2406.240	2437.920	0.5	PASS
11N40SISO	Ant1	2437	35.600	2419.240	2454.840	0.5	PASS
11N40SISO	Ant1	2452	33.760	2434.560	2468.320	0.5	PASS

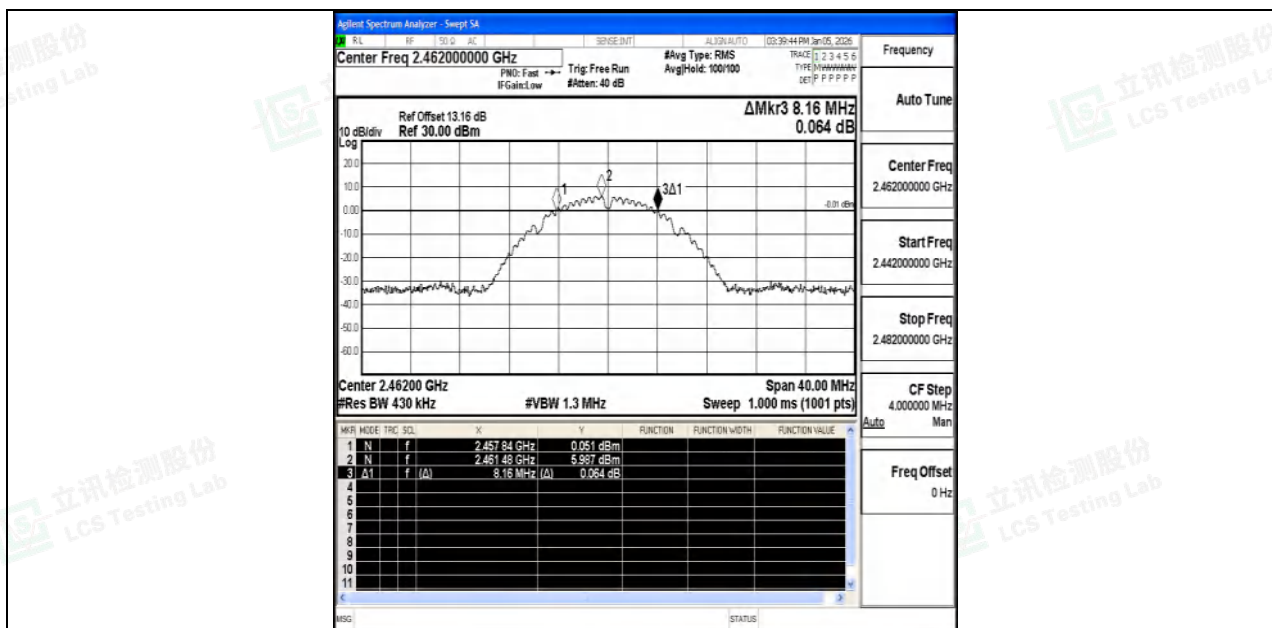
Note :offset=System attenuation +cabal loss



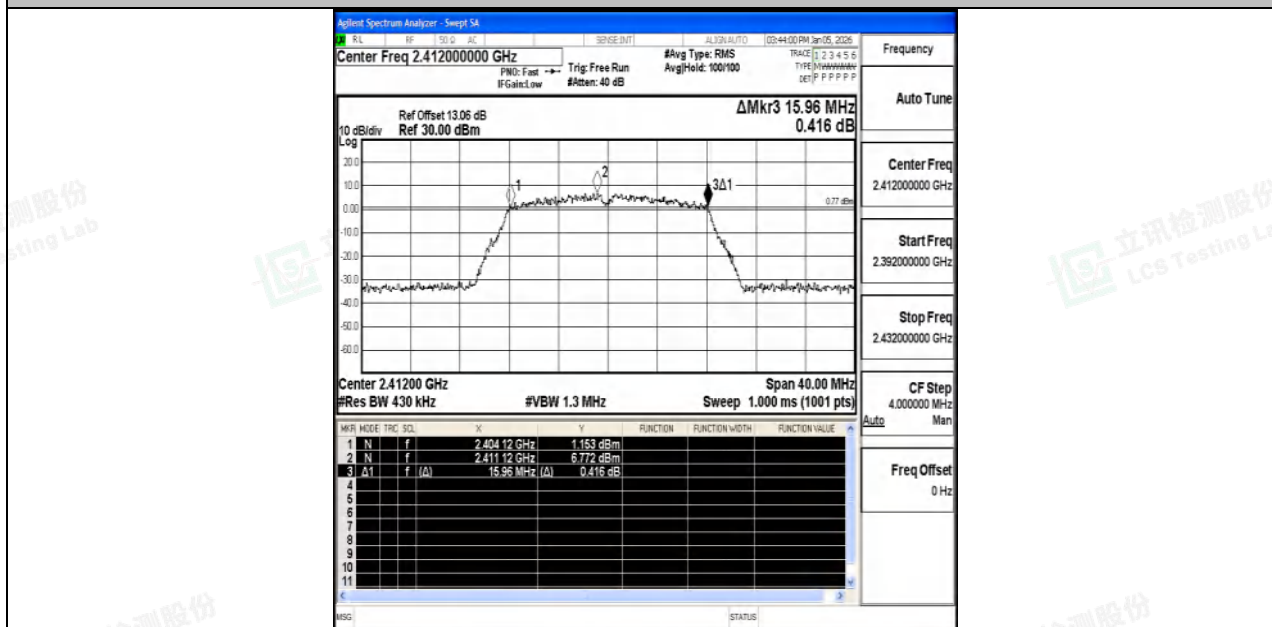


Test Graphs



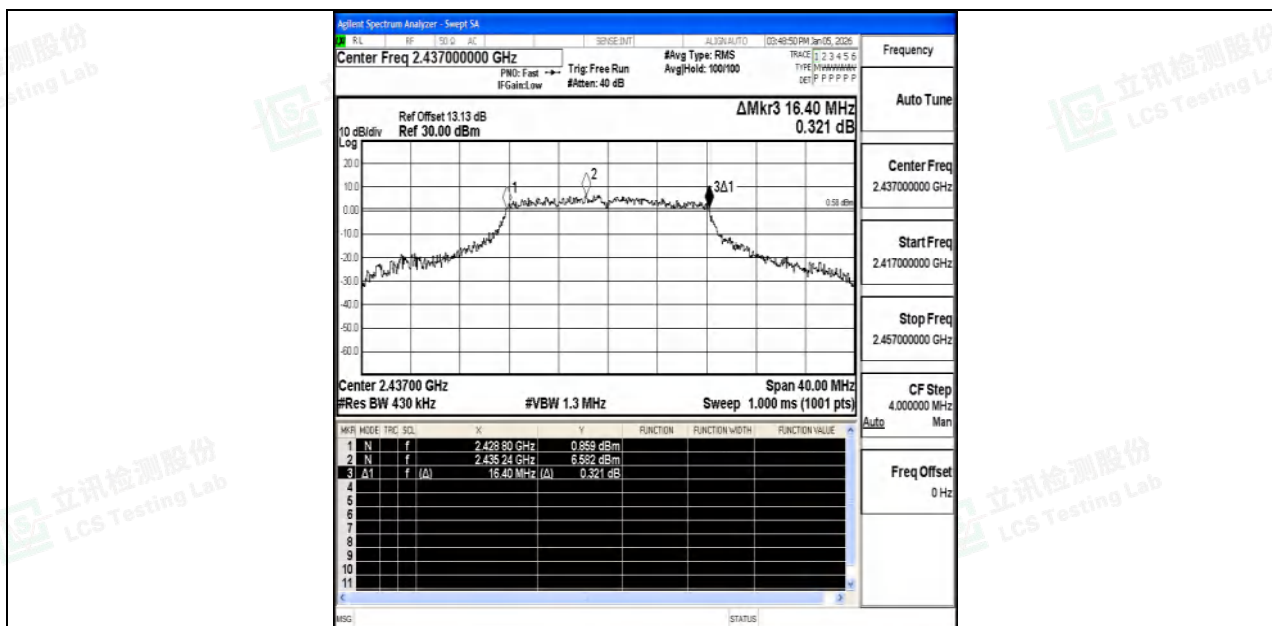


11B-Ant1-2462-PASS

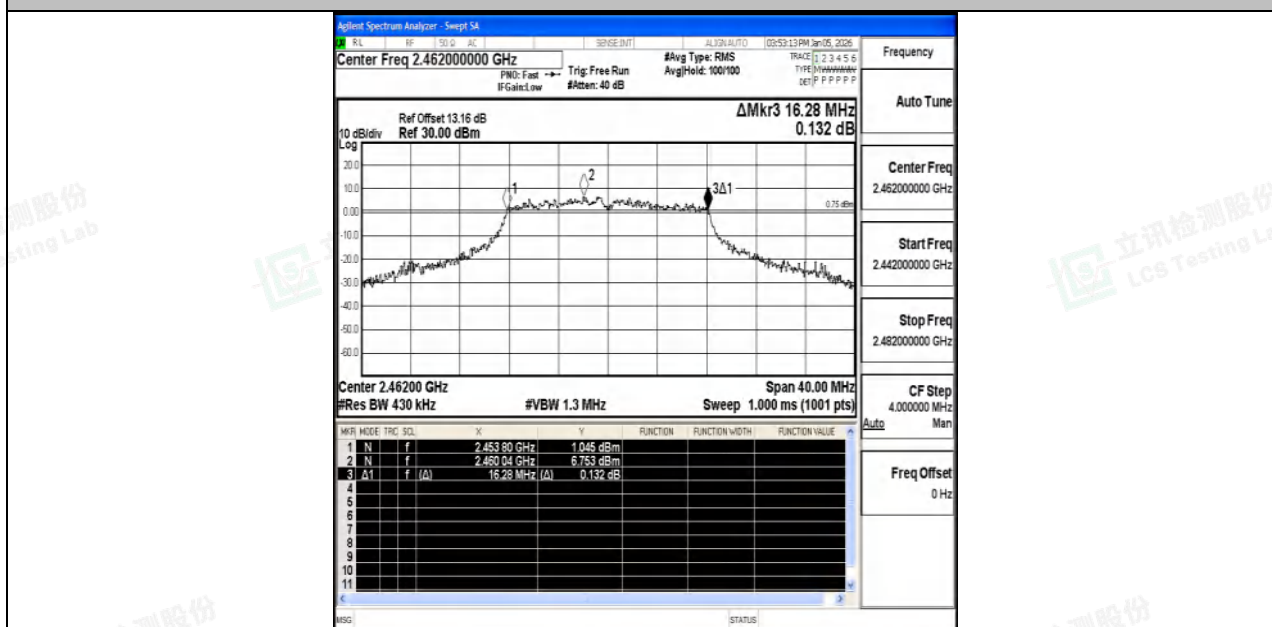


11G-Ant1-2412-PASS



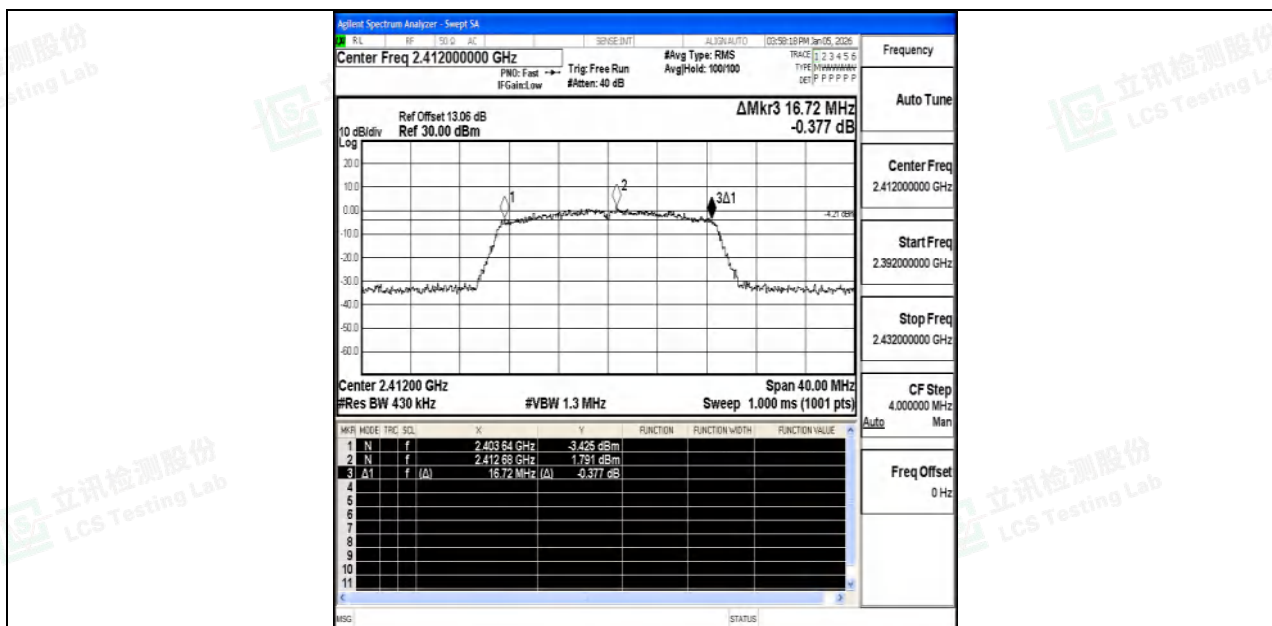


11G-Ant1-2437-PASS

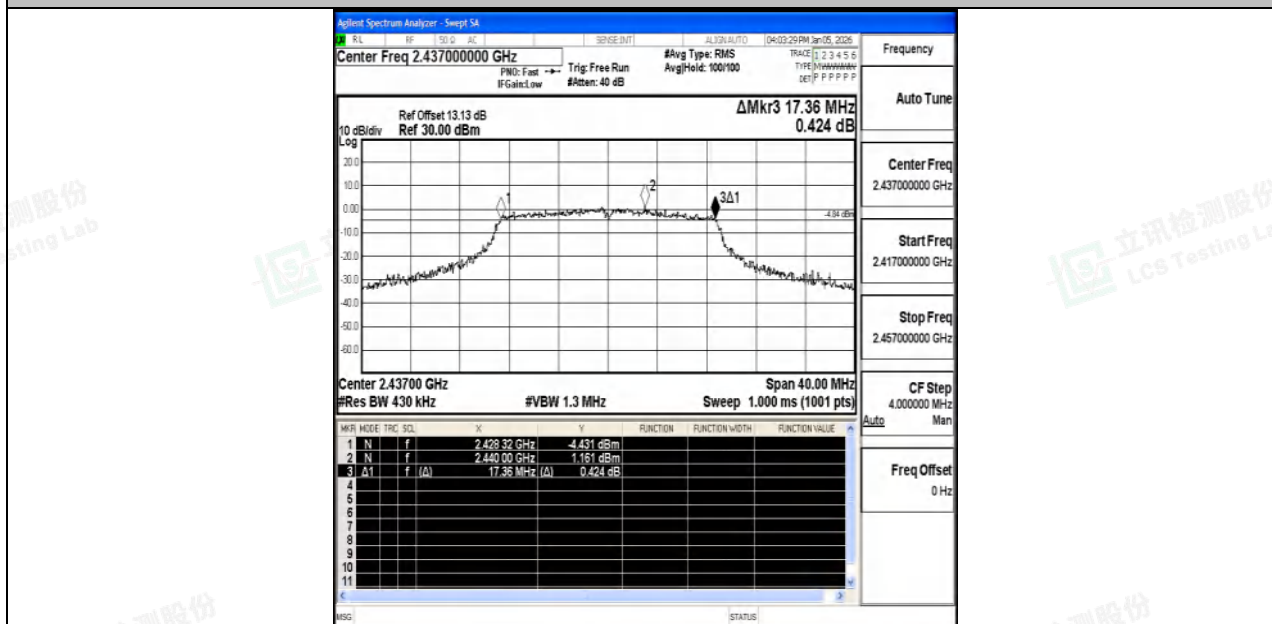


11G-Ant1-2462-PASS



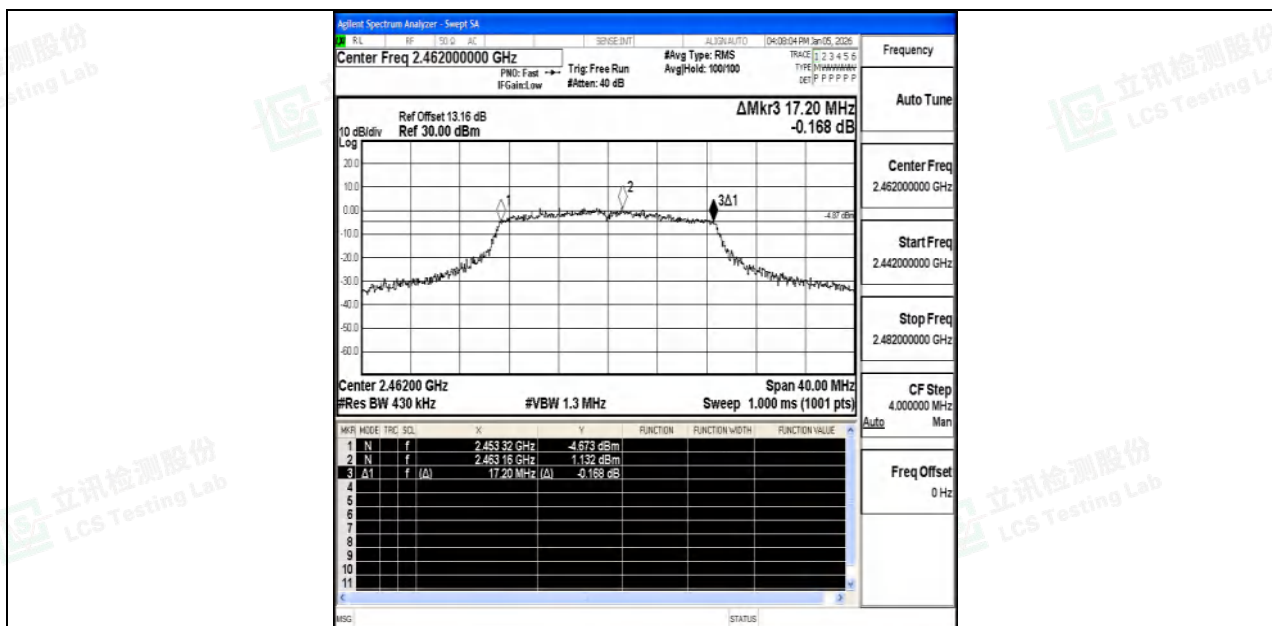


11N20SISO-Ant1-2412-PASS

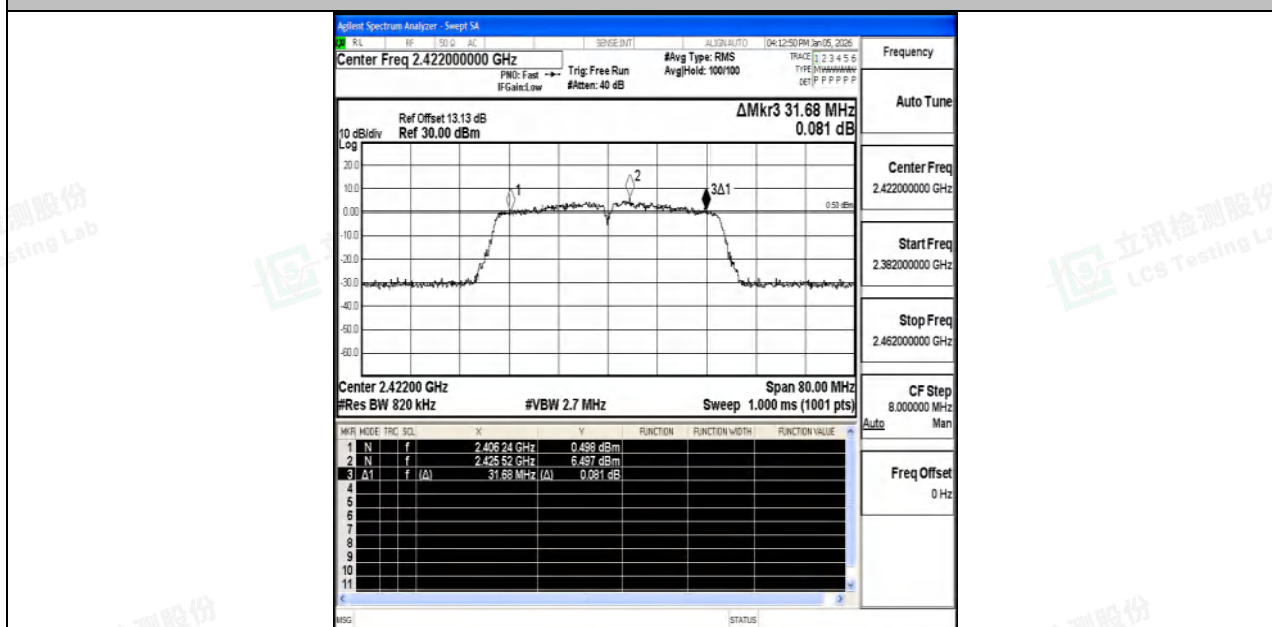


11N20SISO-Ant1-2437-PASS



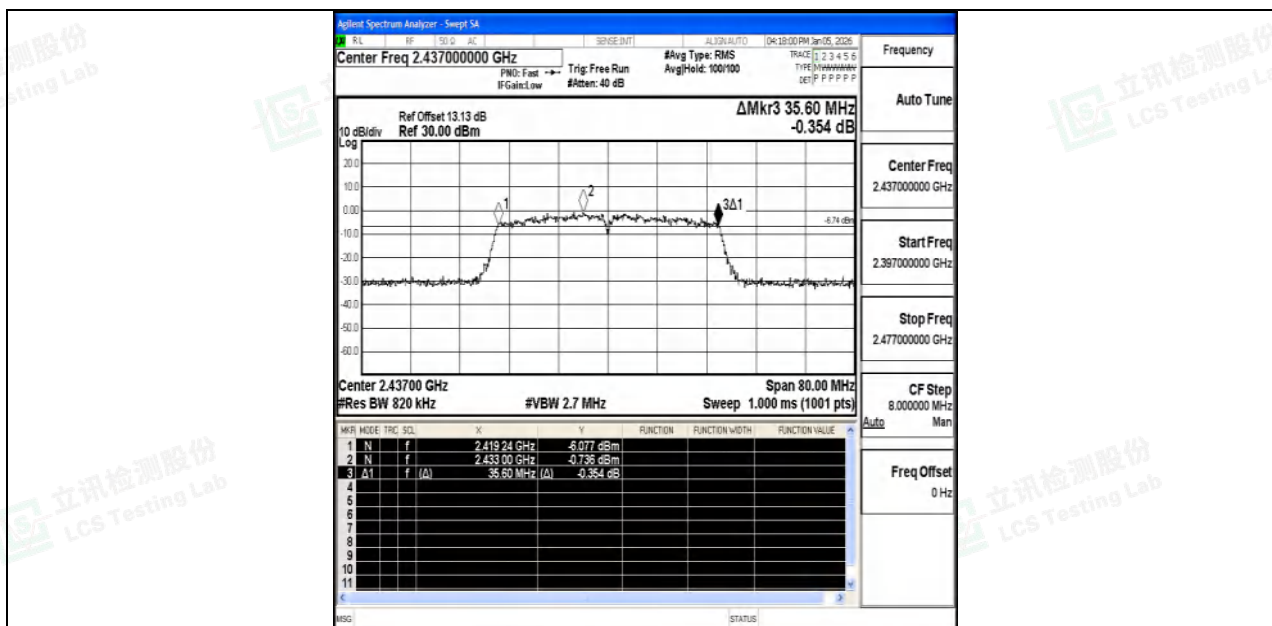


11N20SISO-Ant1-2462-PASS

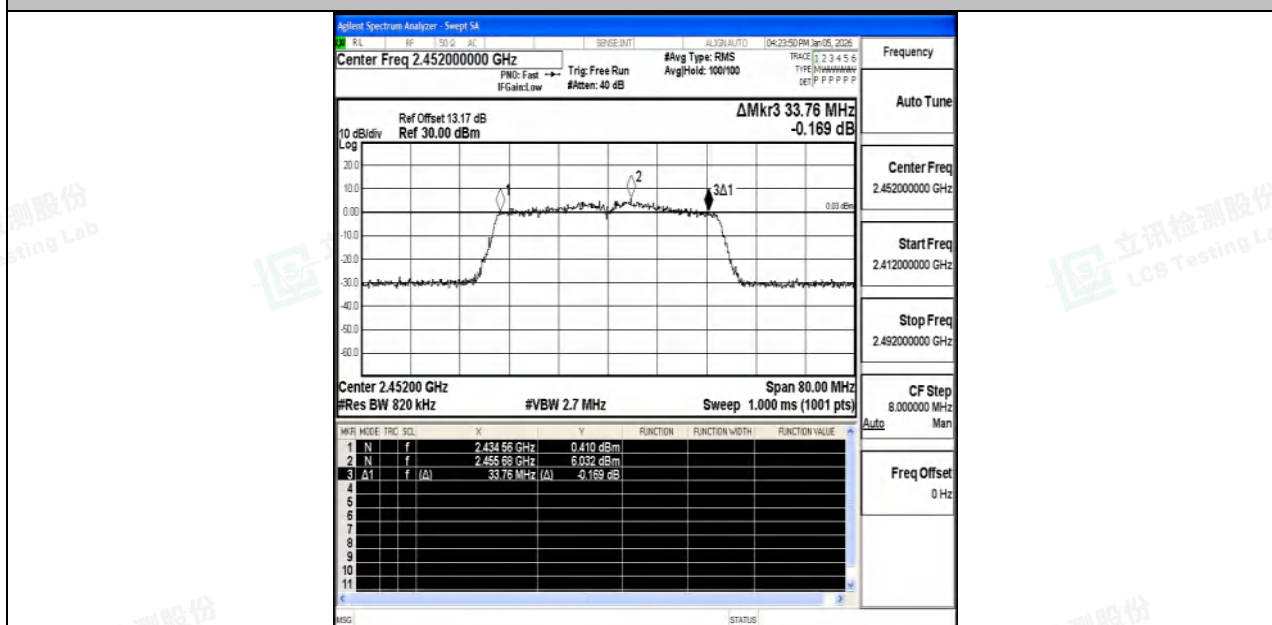


11N40SISO-Ant1-2422-PASS





11N40SISO-Ant1-2437-PASS



11N40SISO-Ant1-2452-PASS





Test Result

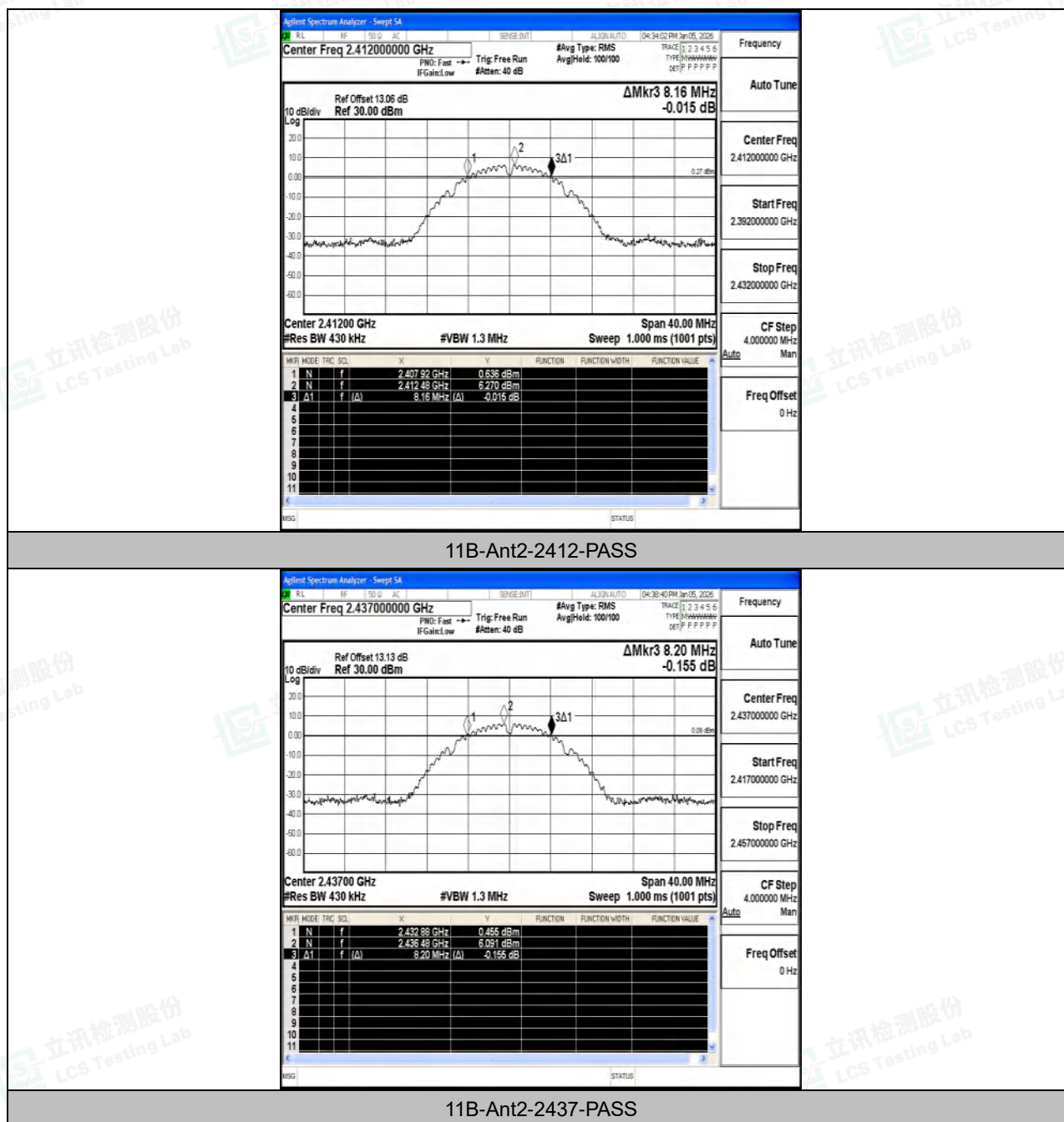
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant2	2412	8.160	2407.920	2416.080	0.5	PASS
11B	Ant2	2437	8.200	2432.880	2441.080	0.5	PASS
11B	Ant2	2462	8.200	2457.840	2466.040	0.5	PASS
11G	Ant2	2412	15.480	2404.400	2419.880	0.5	PASS
11G	Ant2	2437	16.240	2428.920	2445.160	0.5	PASS
11G	Ant2	2462	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant2	2412	16.520	2403.720	2420.240	0.5	PASS
11N20SISO	Ant2	2437	17.720	2428.120	2445.840	0.5	PASS
11N20SISO	Ant2	2462	17.240	2453.320	2470.560	0.5	PASS
11N40SISO	Ant2	2422	34.480	2404.560	2439.040	0.5	PASS
11N40SISO	Ant2	2437	35.840	2418.920	2454.760	0.5	PASS
11N40SISO	Ant2	2452	33.920	2434.400	2468.320	0.5	PASS

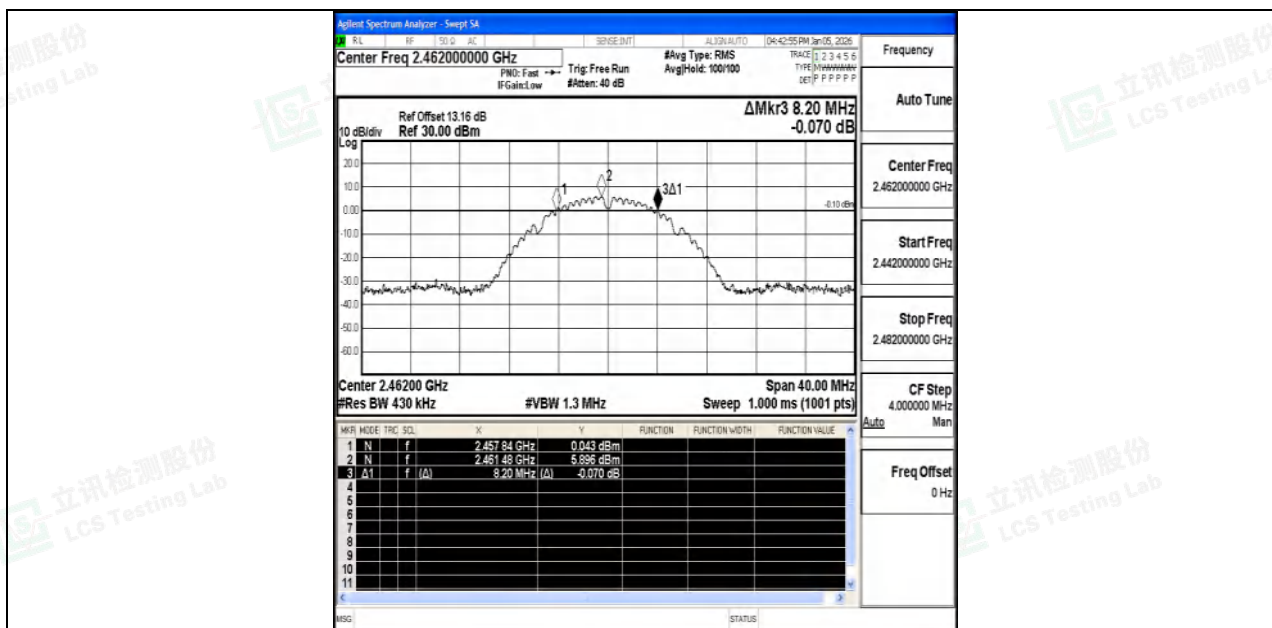
Note :offset=System attenuation +cabal loss



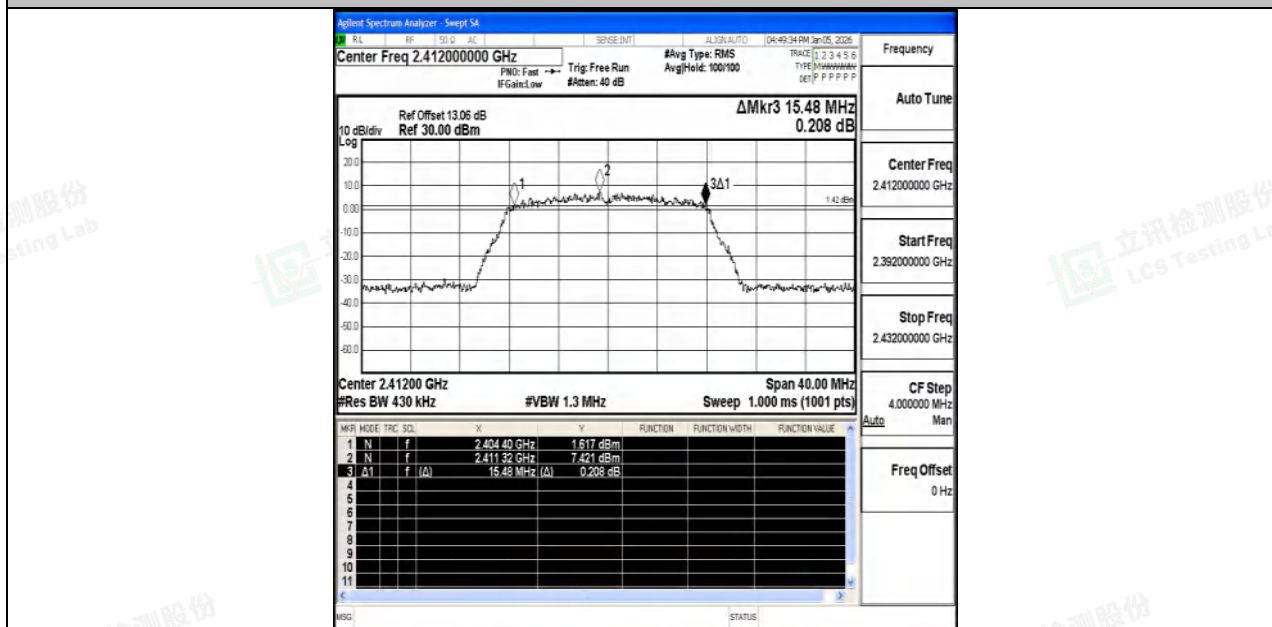


Test Graphs



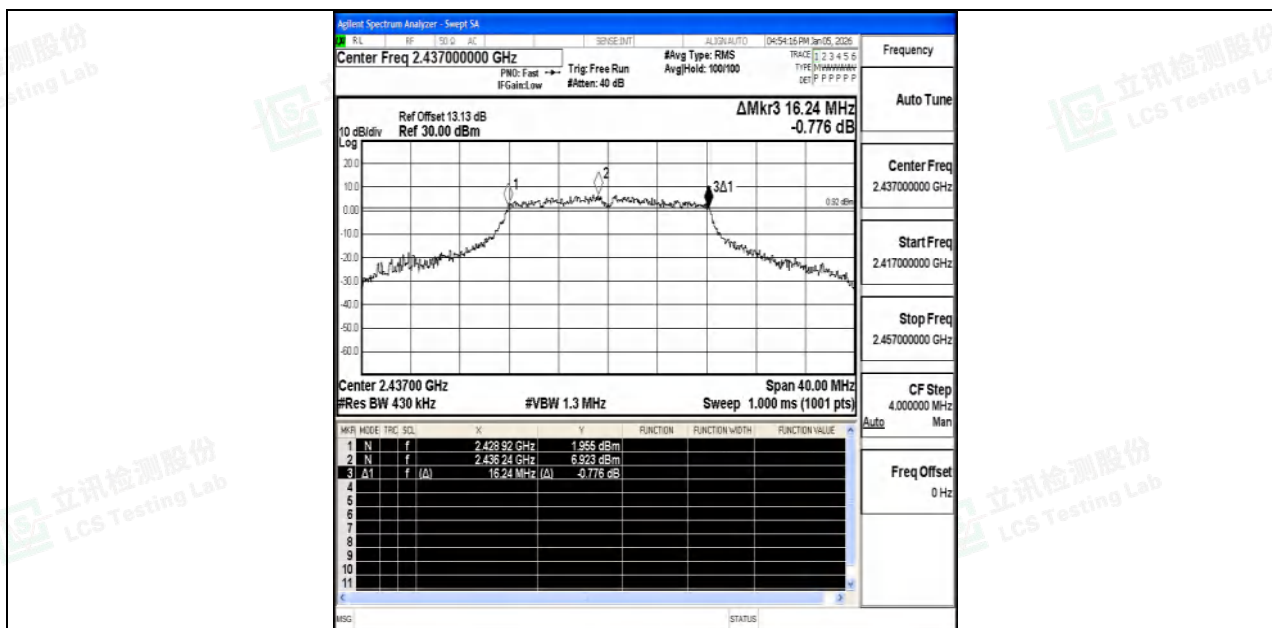


11B-Ant2-2462-PASS

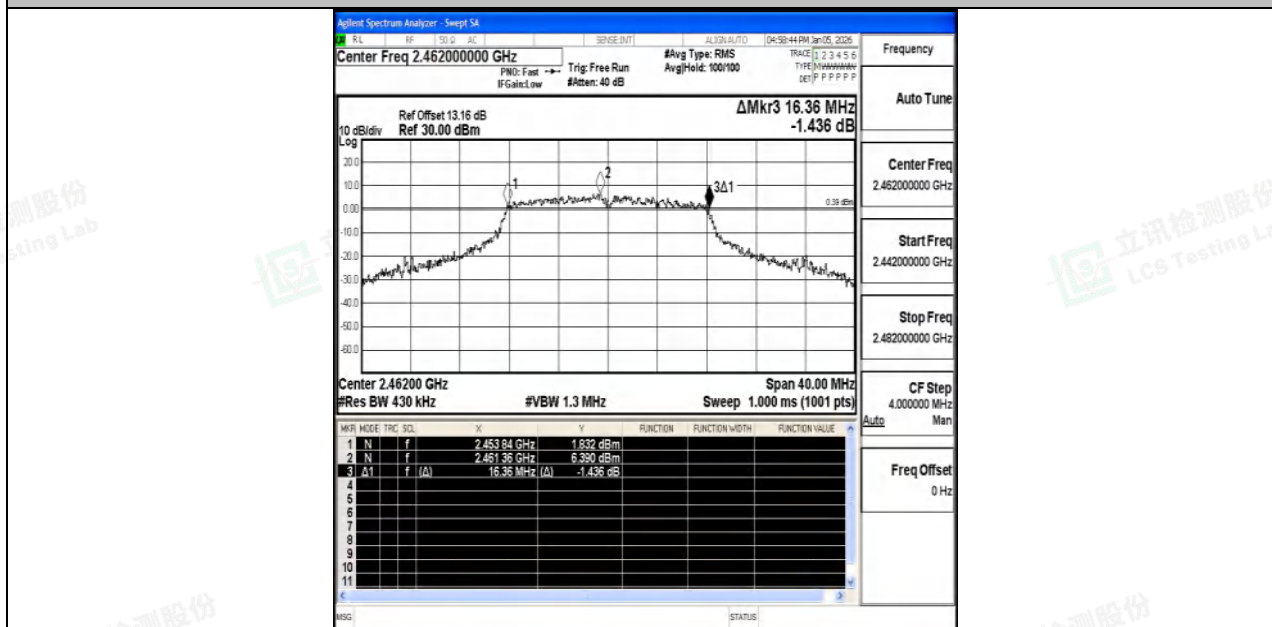


11G-Ant2-2412-PASS



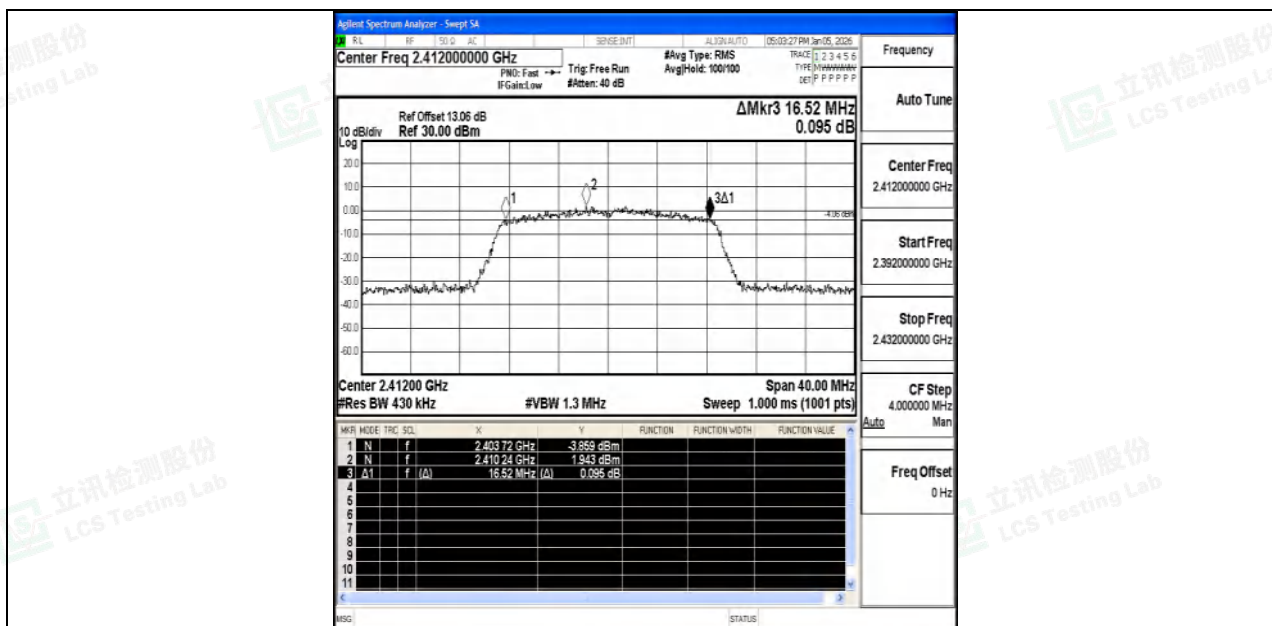


11G-Ant2-2437-PASS

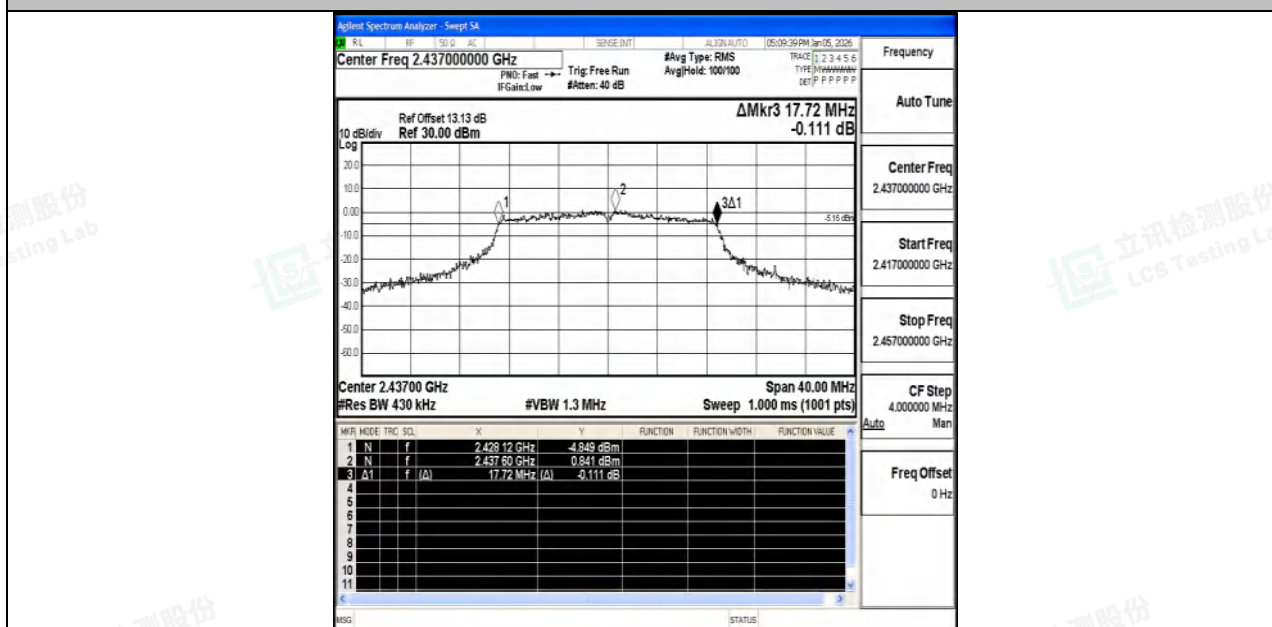


11G-Ant2-2462-PASS



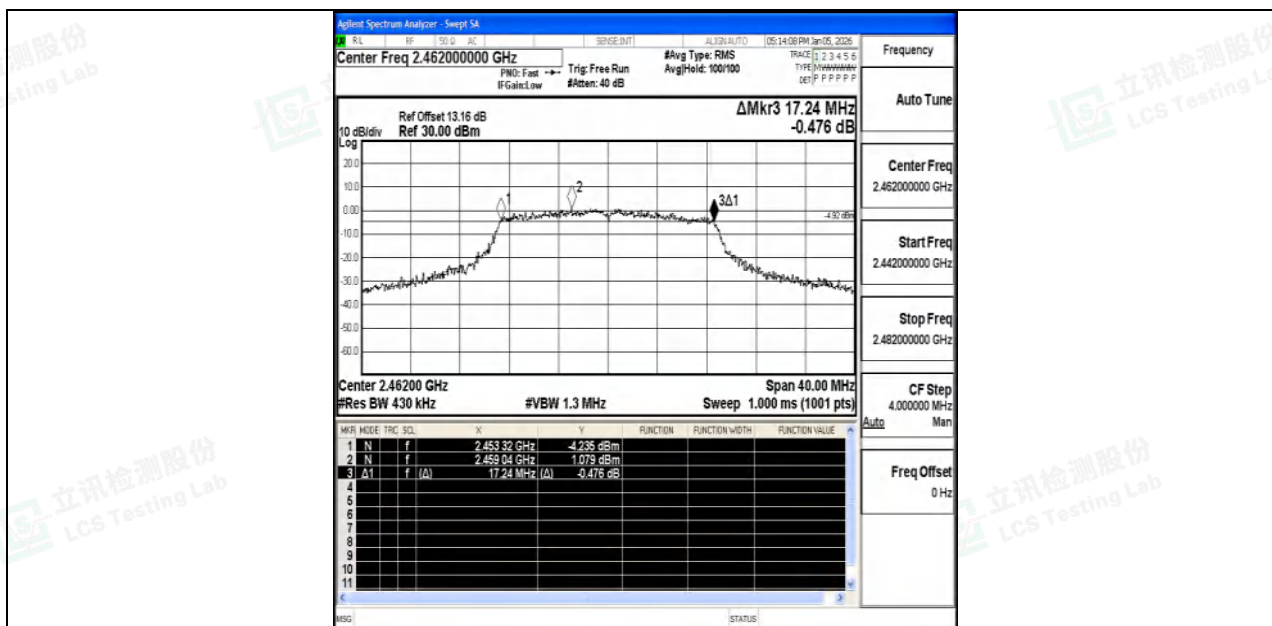


11N20SISO-Ant2-2412-PASS

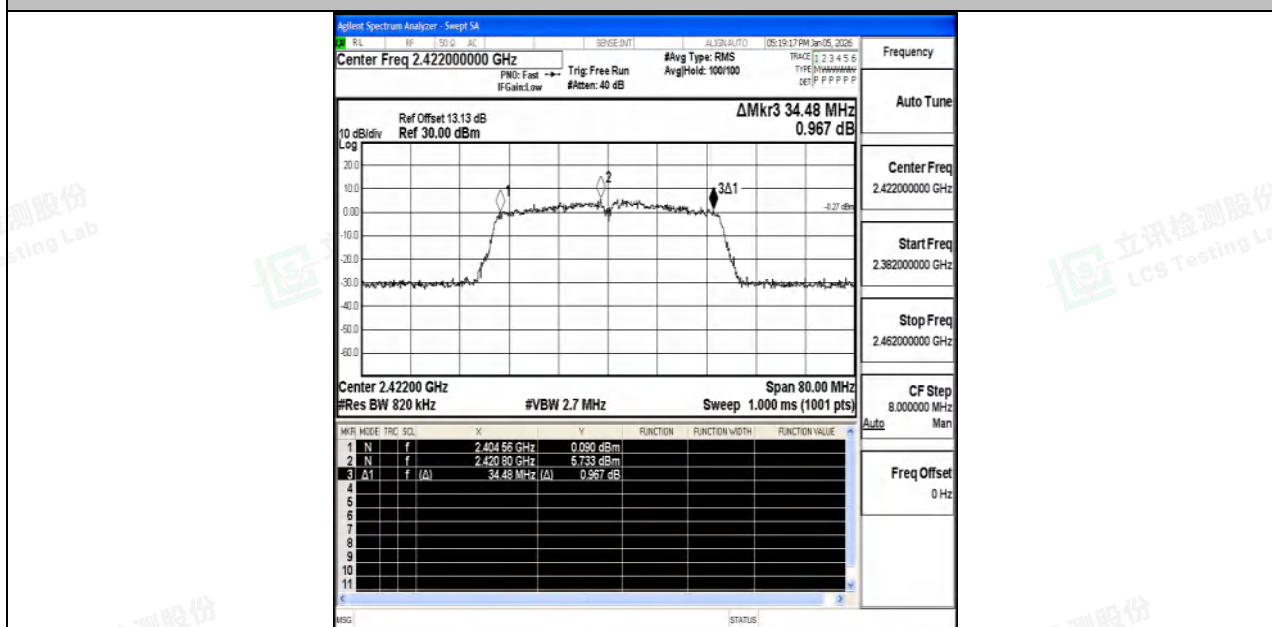


11N20SISO-Ant2-2437-PASS



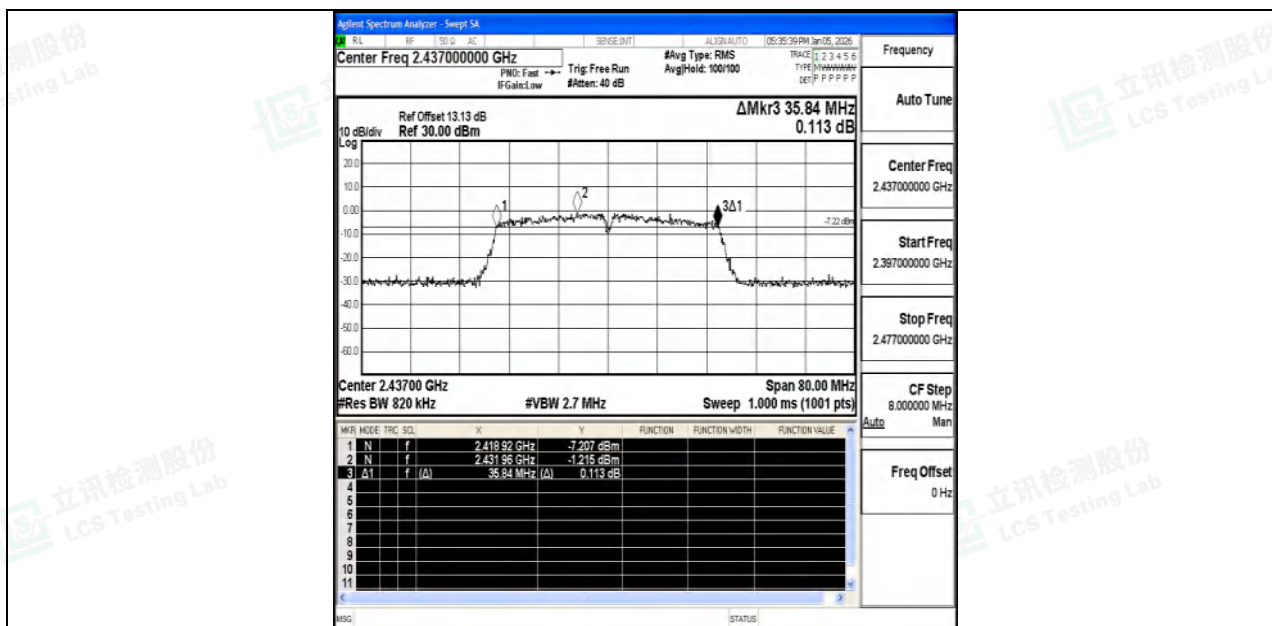


11N20SISO-Ant2-2462-PASS

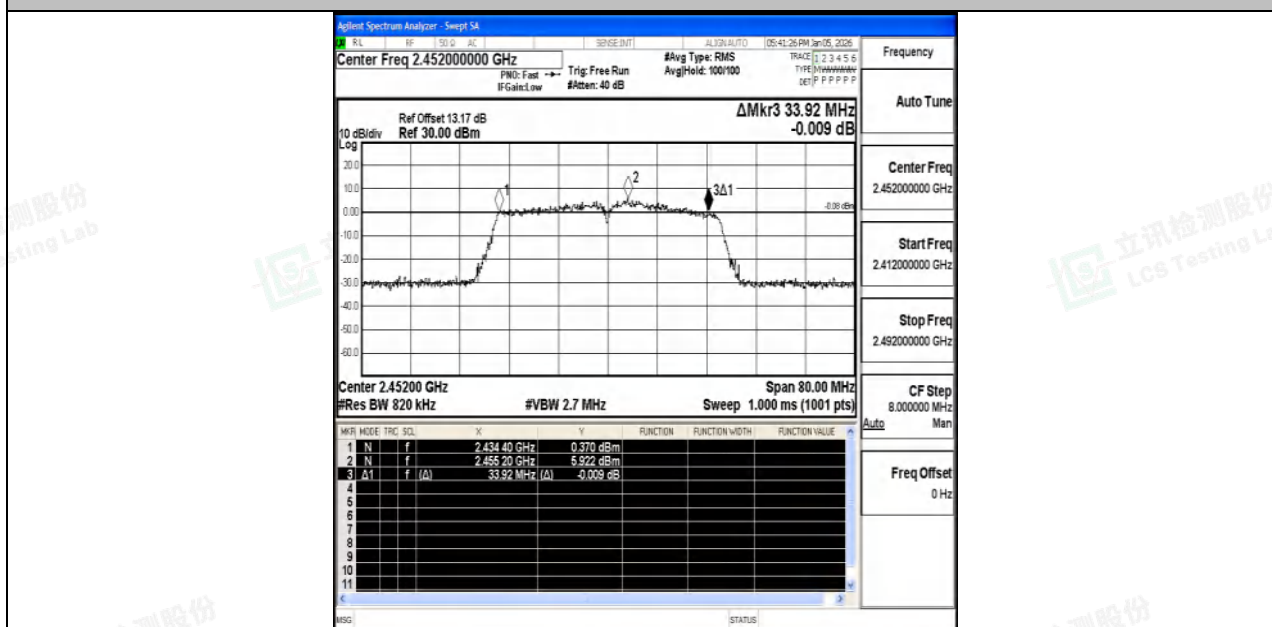


11N40SISO-Ant2-2422-PASS





11N40SISO-Ant2-2437-PASS



11N40SISO-Ant2-2452-PASS





C.2 Maximum Average Conducted Output Power

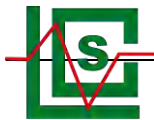
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Maximum Average	Limit (dBm)	Verdict
NVNT	11B	2412	Ant1	14.04	0.32	14.36	30	Pass
NVNT	11B	2437	Ant1	14.20	0.02	14.22	30	Pass
NVNT	11B	2462	Ant1	12.88	0.02	12.9	30	Pass
NVNT	11G	2412	Ant1	13.68	0.12	13.8	30	Pass
NVNT	11G	2437	Ant1	14.02	0.12	14.14	30	Pass
NVNT	11G	2462	Ant1	13.69	0.09	13.78	30	Pass
NVNT	11N20SISO	2412	Ant1	14.93	0.10	15.03	30	Pass
NVNT	11N20SISO	2437	Ant1	14.34	0.10	14.44	30	Pass
NVNT	11N20SISO	2462	Ant1	14.04	0.10	14.14	30	Pass
NVNT	11N40SISO	2422	Ant1	13.79	2.73	16.52	30	Pass
NVNT	11N40SISO	2437	Ant1	13.46	3.01	16.47	30	Pass
NVNT	11N40SISO	2452	Ant1	13.79	3.01	16.8	30	Pass

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Maximum Average	Limit (dBm)	Verdict
NVNT	11B	2412	Ant2	13.83	0.02	13.85	30	Pass
NVNT	11B	2437	Ant2	14.14	0.02	14.16	30	Pass
NVNT	11B	2462	Ant2	13.82	0.02	13.84	30	Pass
NVNT	11G	2412	Ant2	13.59	0.09	13.68	30	Pass
NVNT	11G	2437	Ant2	14.11	0.09	14.2	30	Pass
NVNT	11G	2462	Ant2	13.55	0.09	13.64	30	Pass
NVNT	11N20SISO	2412	Ant2	13.86	0.13	13.99	30	Pass
NVNT	11N20SISO	2437	Ant2	13.40	0.10	13.5	30	Pass
NVNT	11N20SISO	2462	Ant2	13.11	0.13	13.24	30	Pass
NVNT	11N40SISO	2422	Ant2	12.06	3.01	15.07	30	Pass
NVNT	11N40SISO	2437	Ant2	12.46	3.01	15.47	30	Pass
NVNT	11N40SISO	2452	Ant2	12.82	3.01	15.83	30	Pass

MIMO

Condition	Mode	Frequency (MHz)	Total Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	11N20SISO	2412	15.03	13.99	17.55	30	Pass
NVNT	11N20SISO	2437	14.44	13.5	17.01	30	Pass
NVNT	11N20SISO	2462	14.14	13.24	16.72	30	Pass
NVNT	11N40SISO	2422	16.52	15.07	18.87	30	Pass
NVNT	11N40SISO	2437	16.47	15.47	19.01	30	Pass
NVNT	11N40SISO	2452	16.8	15.83	19.35	30	Pass





Note :offset=System attenuation +cabal loss

C.3 Maximum power spectral density

Test Result

TestMode	Antenn a	Frequency[MH z]	Result[dBm/3-100kH z]	Duty Factor (dB)	Total PSD (dBm/30kHz)	Limit[dBm/3k Hz]	Verdict
11B	Ant1	2412	-16.10	0.32	-15.78	≤8.00	PASS
11B	Ant1	2437	-6.72	0.02	-6.7	≤8.00	PASS
11B	Ant1	2462	-9.98	0.02	-9.96	≤8.00	PASS
11G	Ant1	2412	-17.26	0.12	-17.14	≤8.00	PASS
11G	Ant1	2437	-18.20	0.12	-18.08	≤8.00	PASS
11G	Ant1	2462	-17.85	0.09	-17.76	≤8.00	PASS
11N20SIS O	Ant1	2412	-23.87	0.10	-23.77	≤8.00	PASS
11N20SIS O	Ant1	2437	-24.06	0.10	-23.96	≤8.00	PASS
11N20SIS O	Ant1	2462	-23.94	0.10	-23.84	≤8.00	PASS
11N40SIS O	Ant1	2422	-15.83	2.73	-13.1	≤8.00	PASS
11N40SIS O	Ant1	2437	-22.94	3.01	-19.93	≤8.00	PASS
11N40SIS O	Ant1	2452	-16.75	3.01	-13.74	≤8.00	PASS

TestMode	Antenn a	Frequency[MH z]	Result[dBm/3-100kH z]	Duty Factor (dB)	Total PSD (dBm/30kHz)	Limit[dBm/3k Hz]	Verdict
11B	Ant2	2412	-13.94	0.02	-13.92	≤8.00	PASS
11B	Ant2	2437	-9.14	0.02	-9.12	≤8.00	PASS
11B	Ant2	2462	-10.34	0.02	-10.32	≤8.00	PASS
11G	Ant2	2412	-17.36	0.09	-17.27	≤8.00	PASS
11G	Ant2	2437	-18.00	0.09	-17.91	≤8.00	PASS
11G	Ant2	2462	-18.70	0.09	-18.61	≤8.00	PASS
11N20SIS O	Ant2	2412	-23.71	0.13	-23.58	≤8.00	PASS
11N20SIS O	Ant2	2437	-24.10	0.10	-24	≤8.00	PASS
11N20SIS O	Ant2	2462	-23.67	0.13	-23.54	≤8.00	PASS





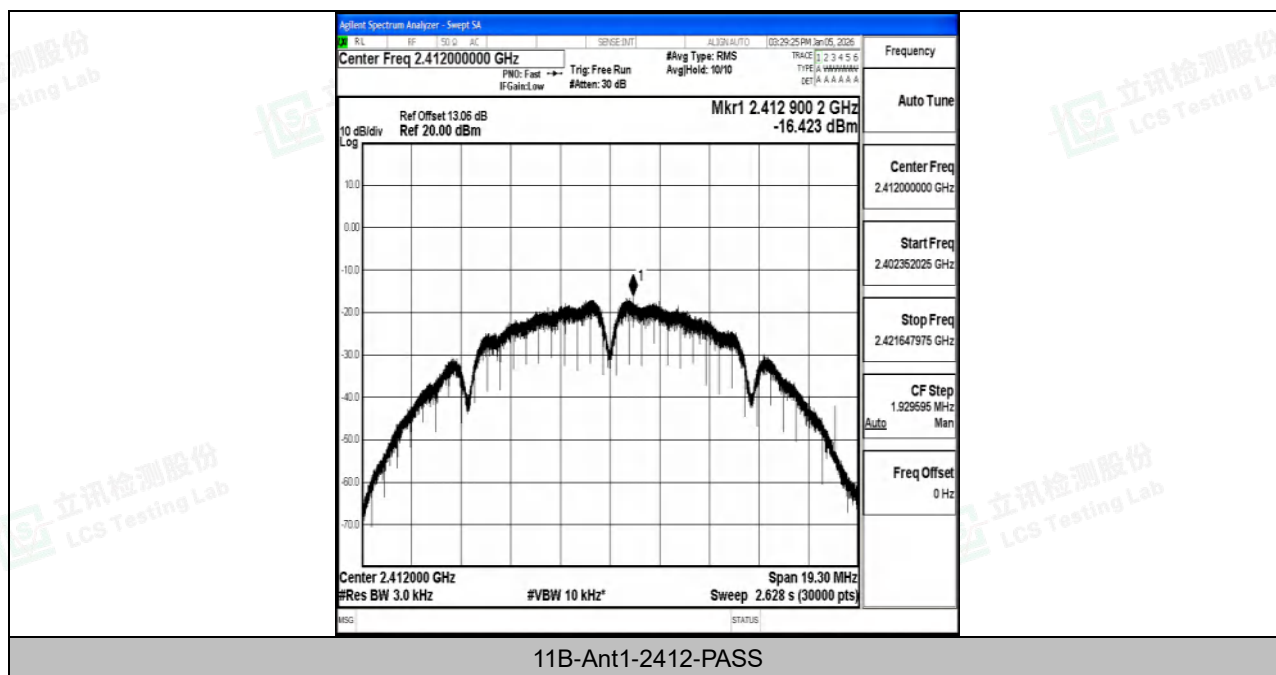
11N40SIS O	Ant2	2422	-16.35	3.01	-13.34	≤8.00	PASS
11N40SIS O	Ant2	2437	-21.19	3.01	-18.18	≤8.00	PASS
11N40SIS O	Ant2	2452	-16.12	3.01	-13.11	≤8.00	PASS

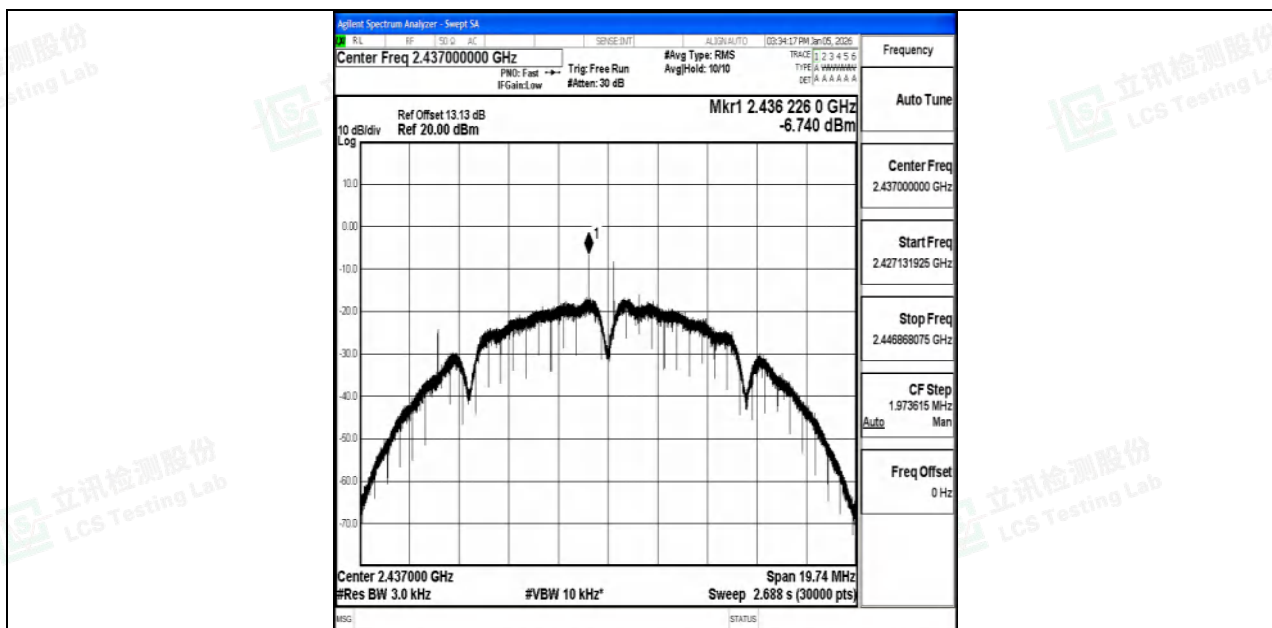
MIMO

Condition	Mode	Frequency (MHz)	Total PSD (dBm/3kHz)			Limit (dBm)	Verdict
			Ant1	Ant2	Ant1+Ant2		
NVNT	11N20SISO	2412	-23.77	-23.58	-20.66	5.99	Pass
NVNT	11N20SISO	2437	-23.96	-24	-20.97	5.99	Pass
NVNT	11N20SISO	2462	-23.84	-23.54	-20.68	5.99	Pass
NVNT	11N40SISO	2412	-13.1	-13.34	-10.21	5.99	Pass
NVNT	11N40SISO	2437	-19.93	-18.18	-15.96	5.99	Pass
NVNT	11N40SISO	2462	-13.74	-13.11	-10.40	5.99	Pass

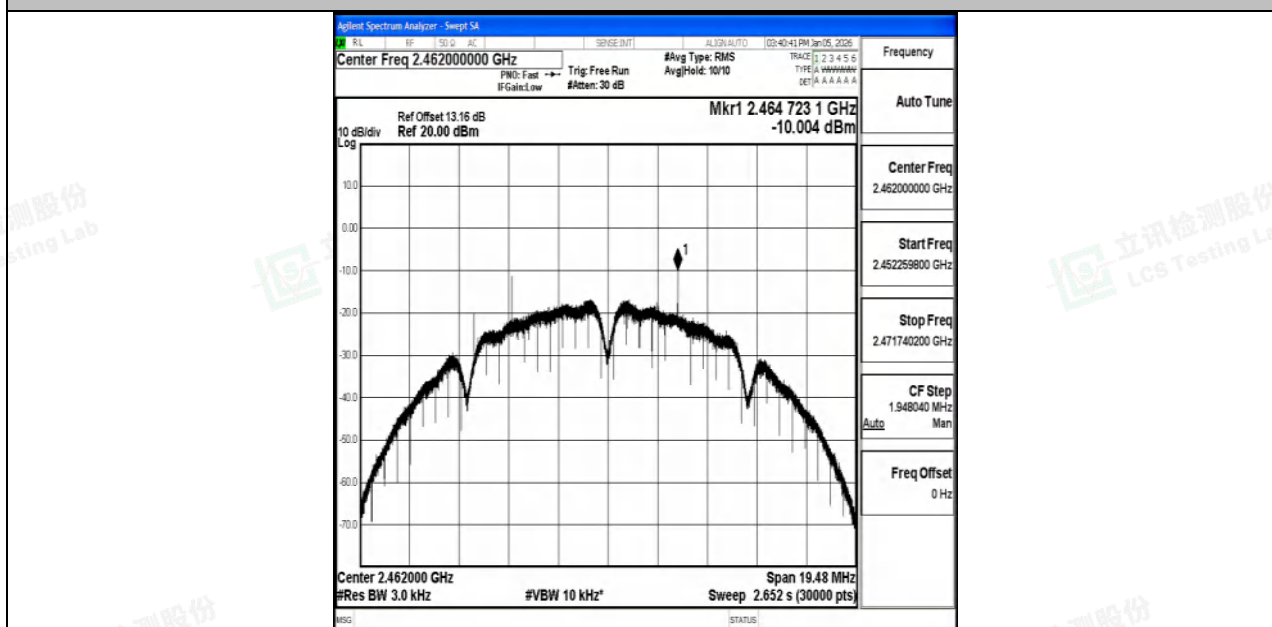
Note :offset=System attenuation +cabal loss

Test Graphs



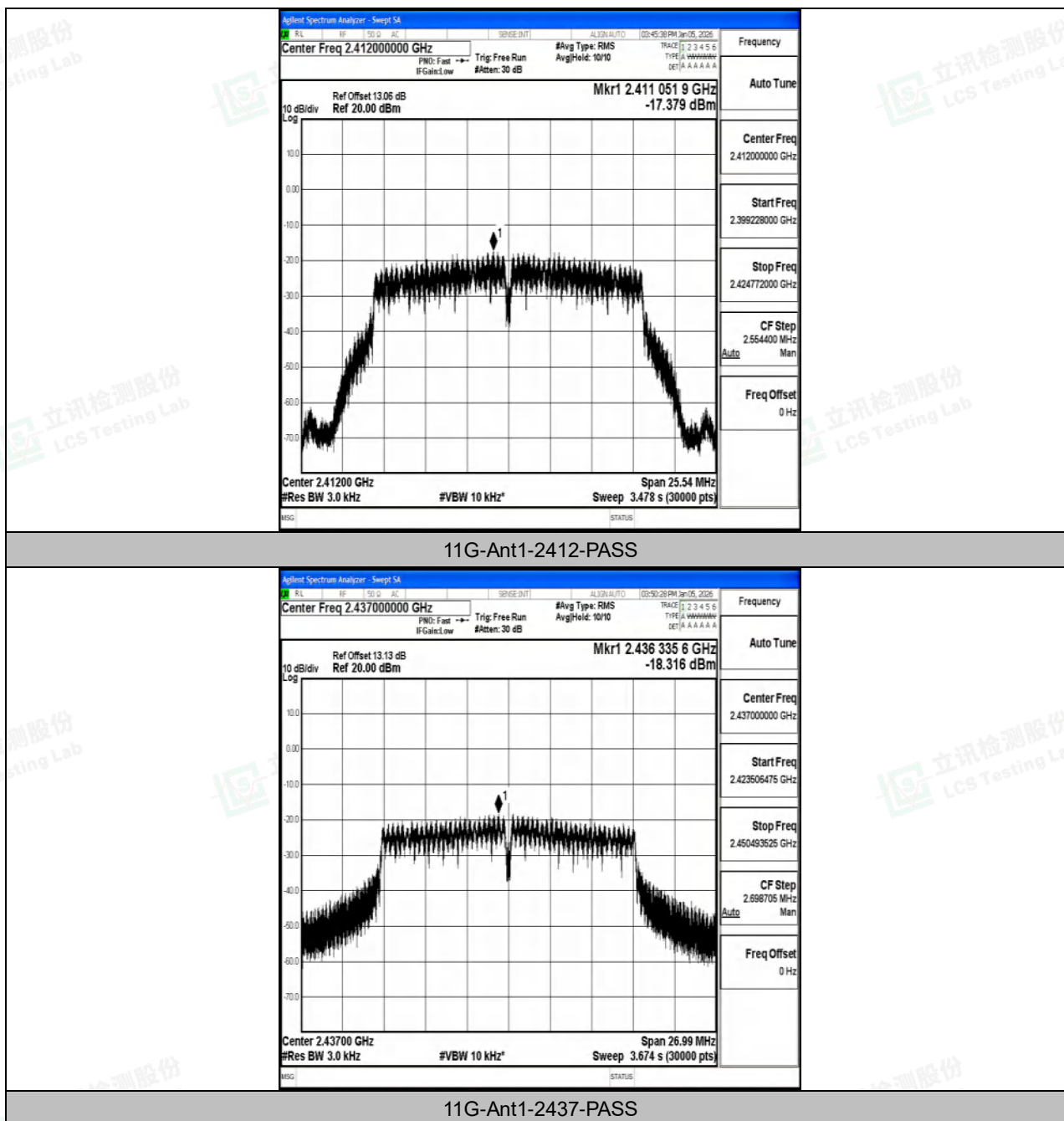


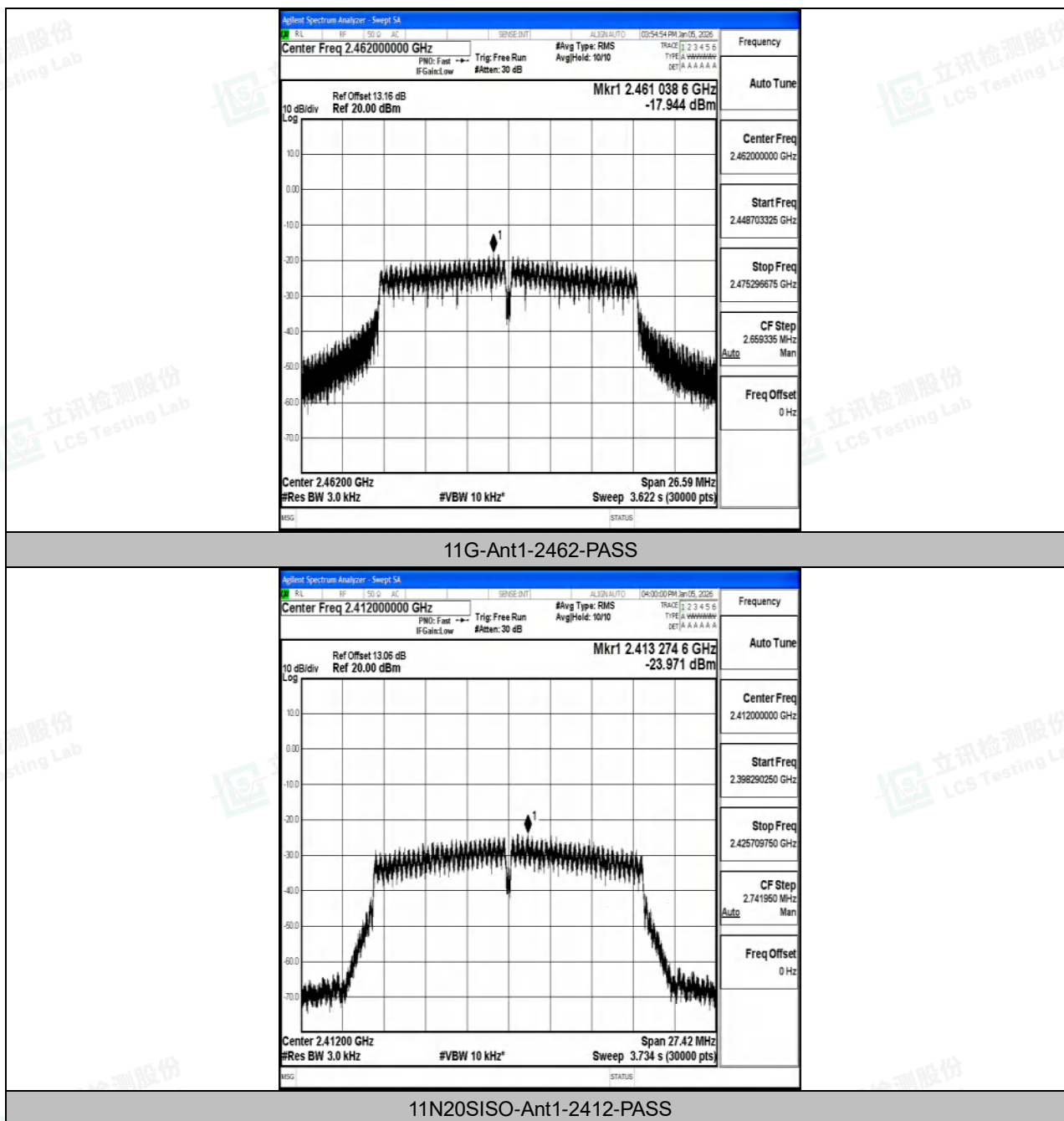
11B-Ant1-2437-PASS

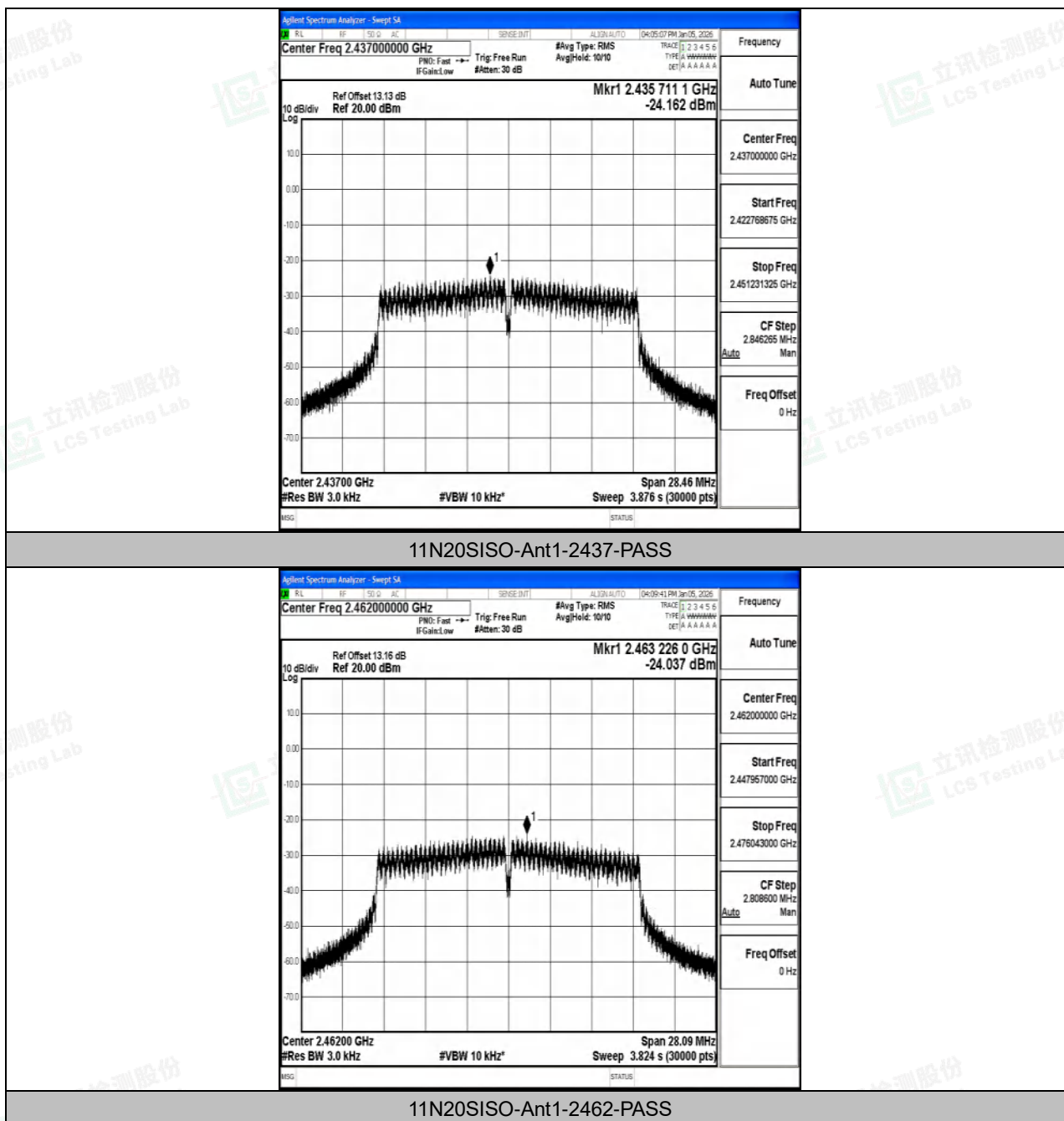


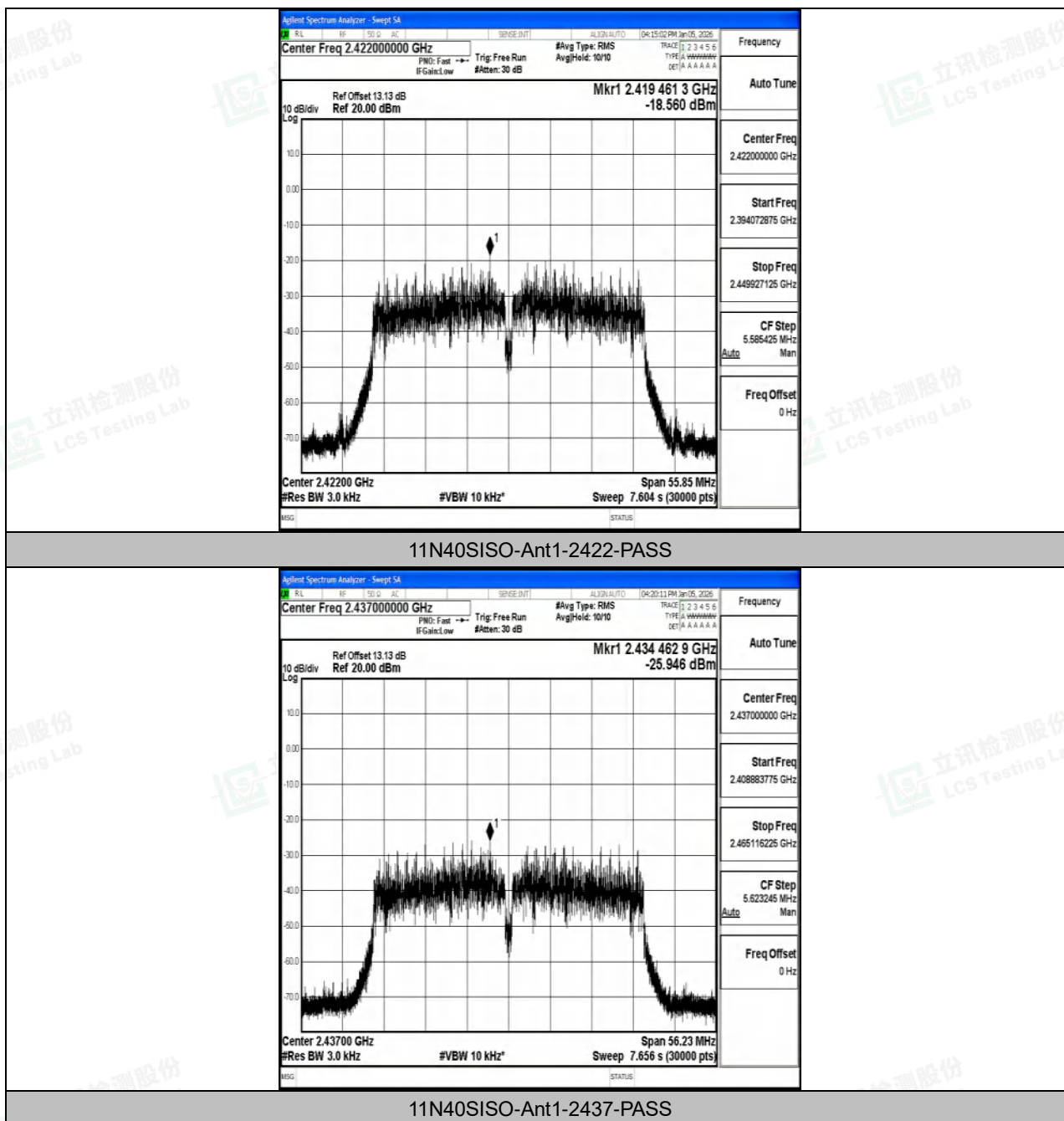
11B-Ant1-2462-PASS

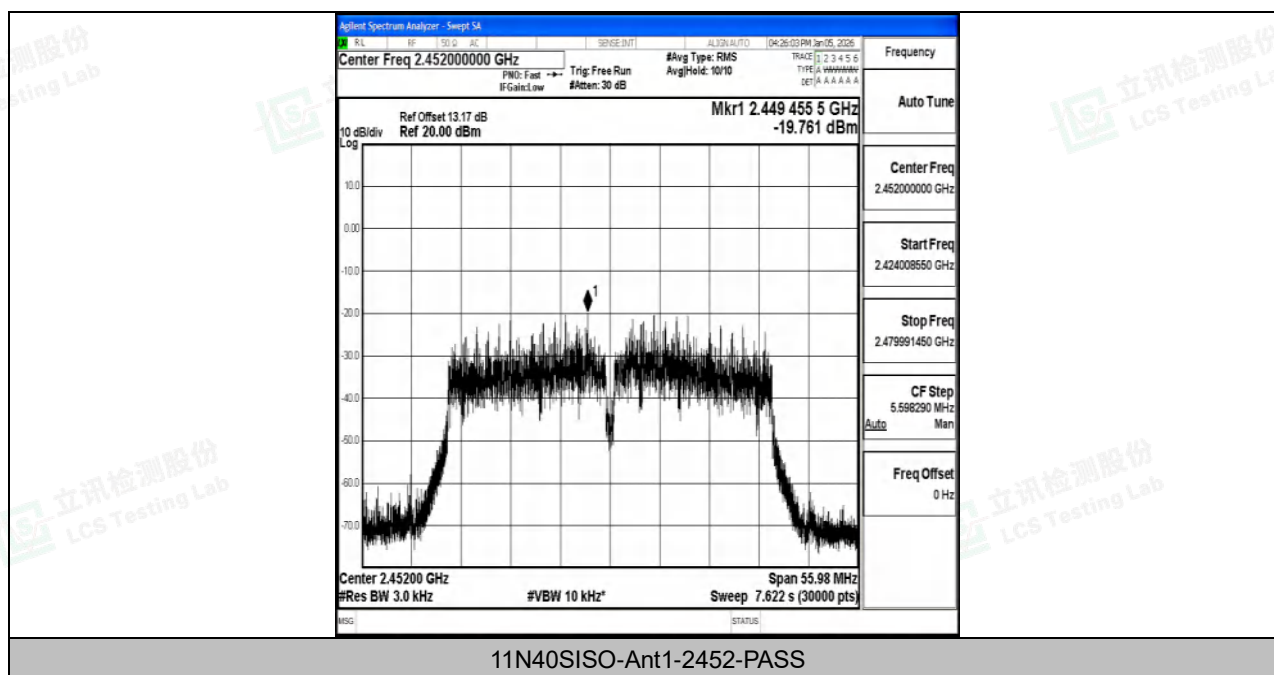






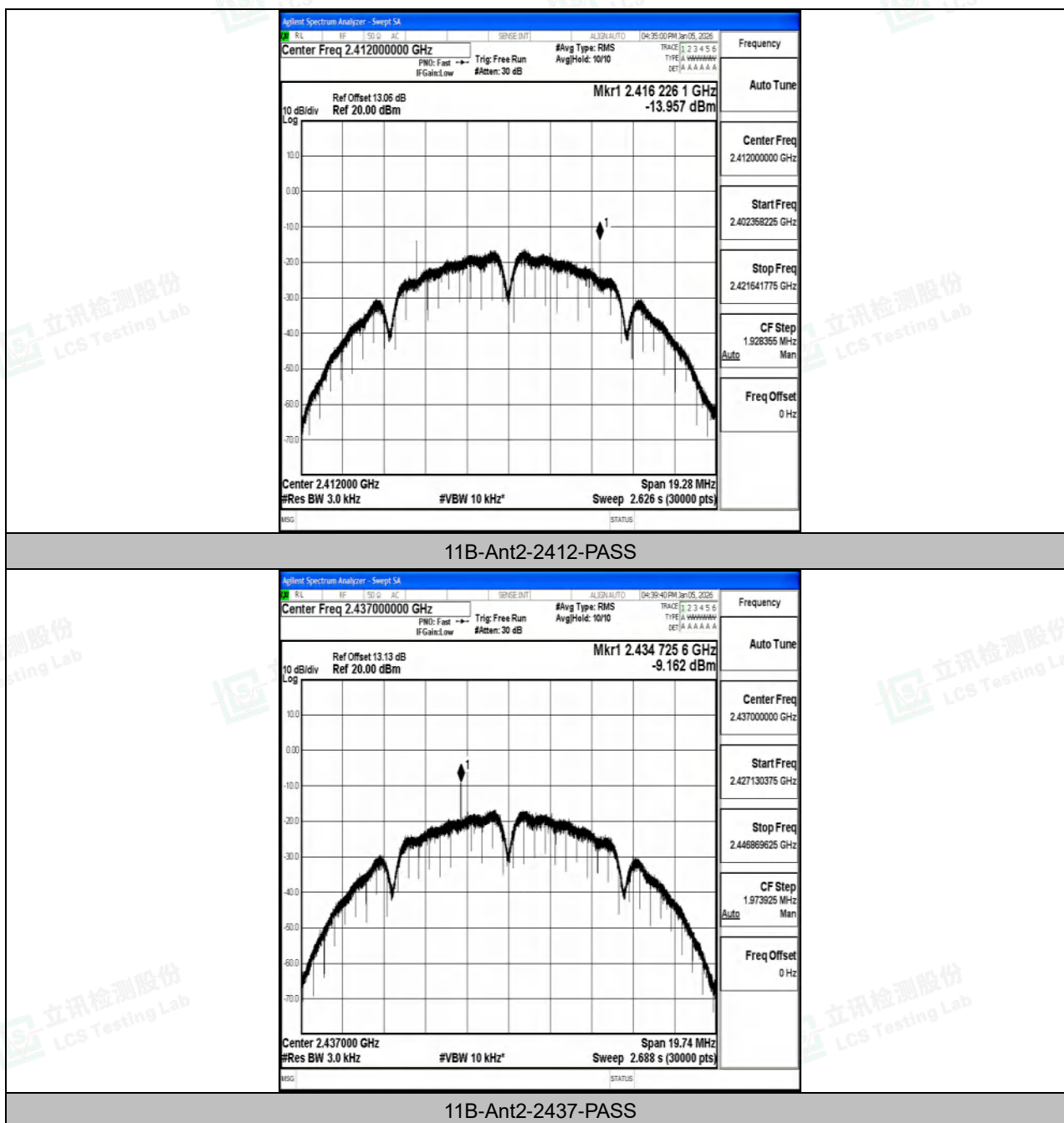


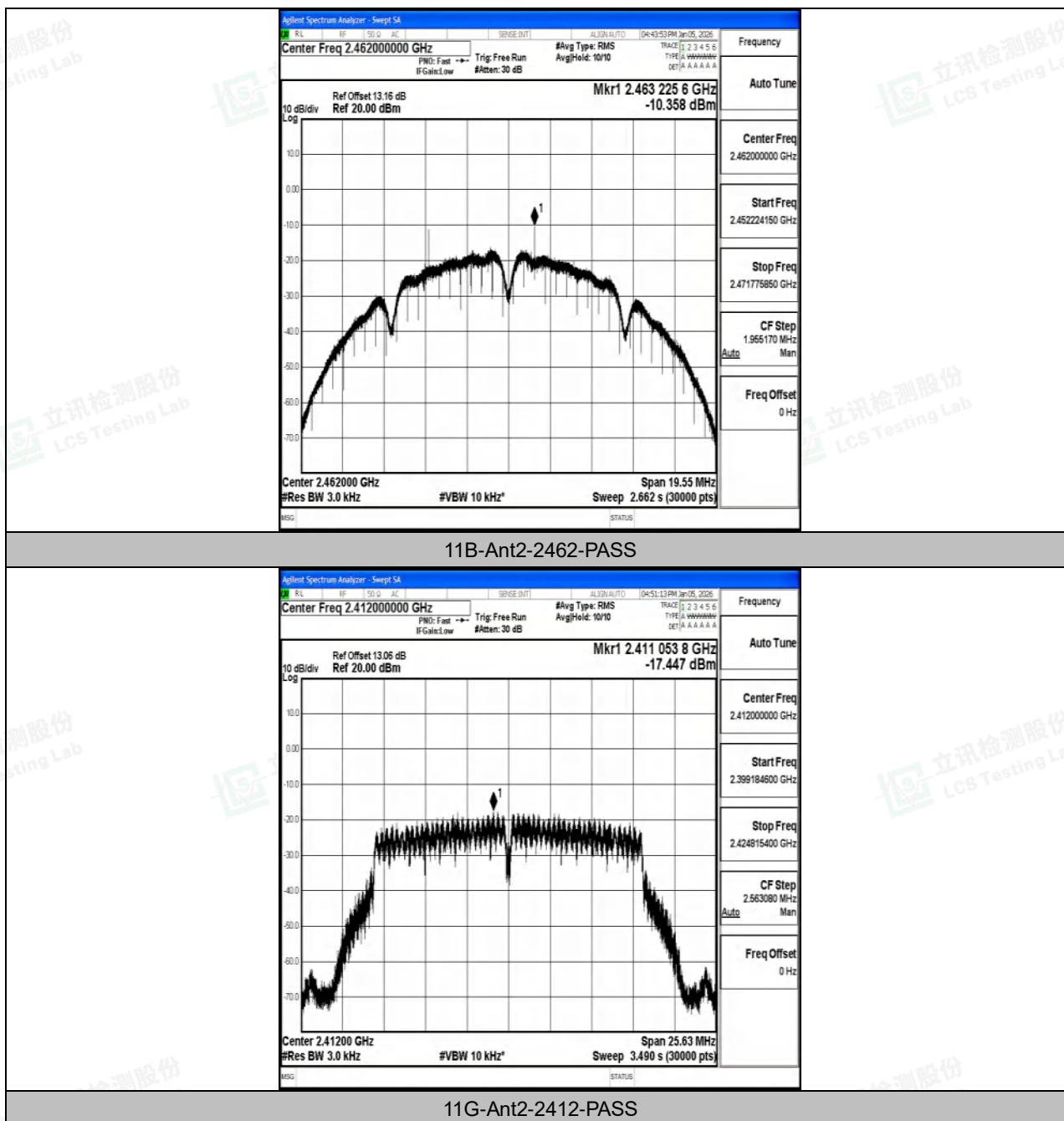


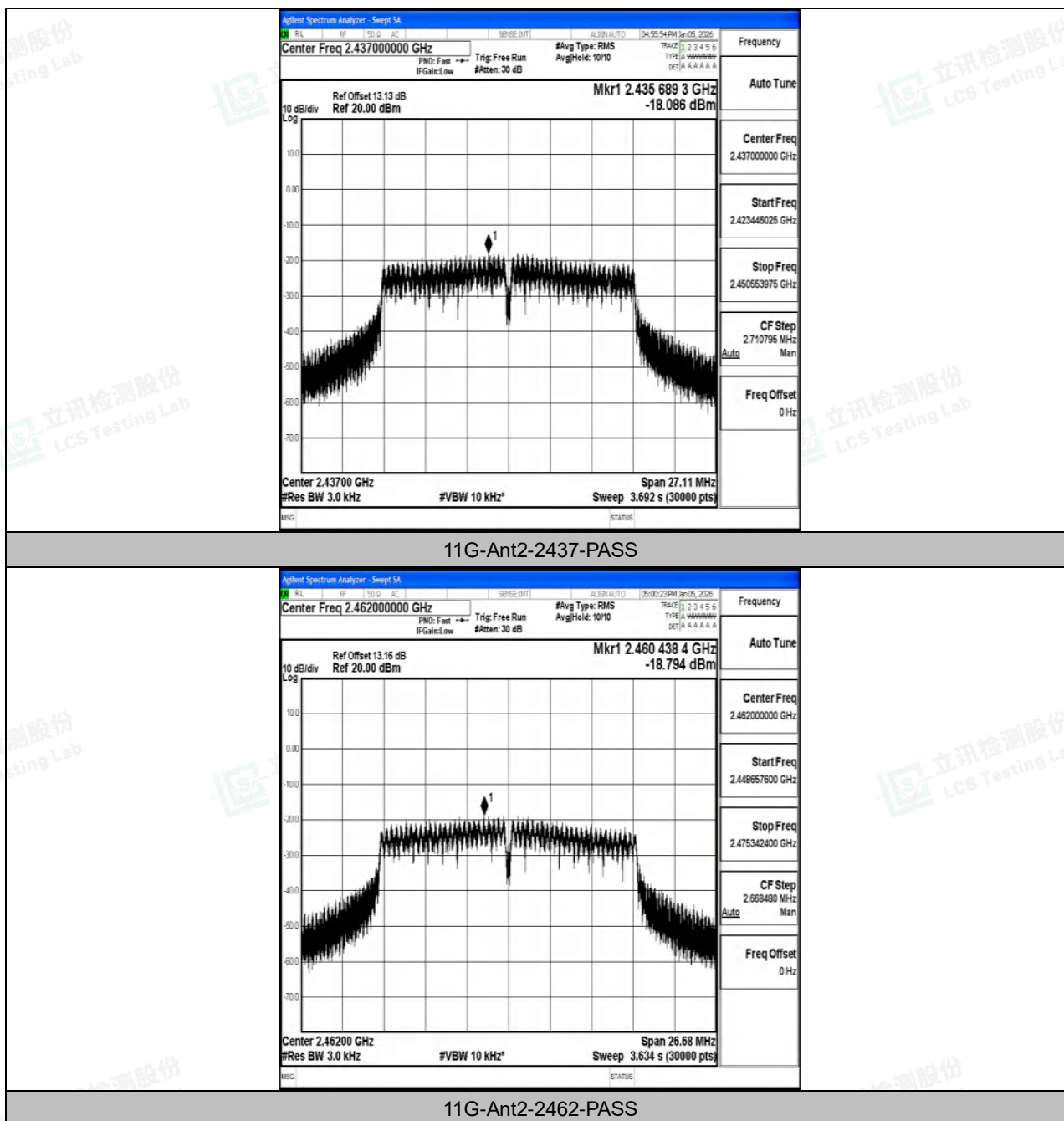


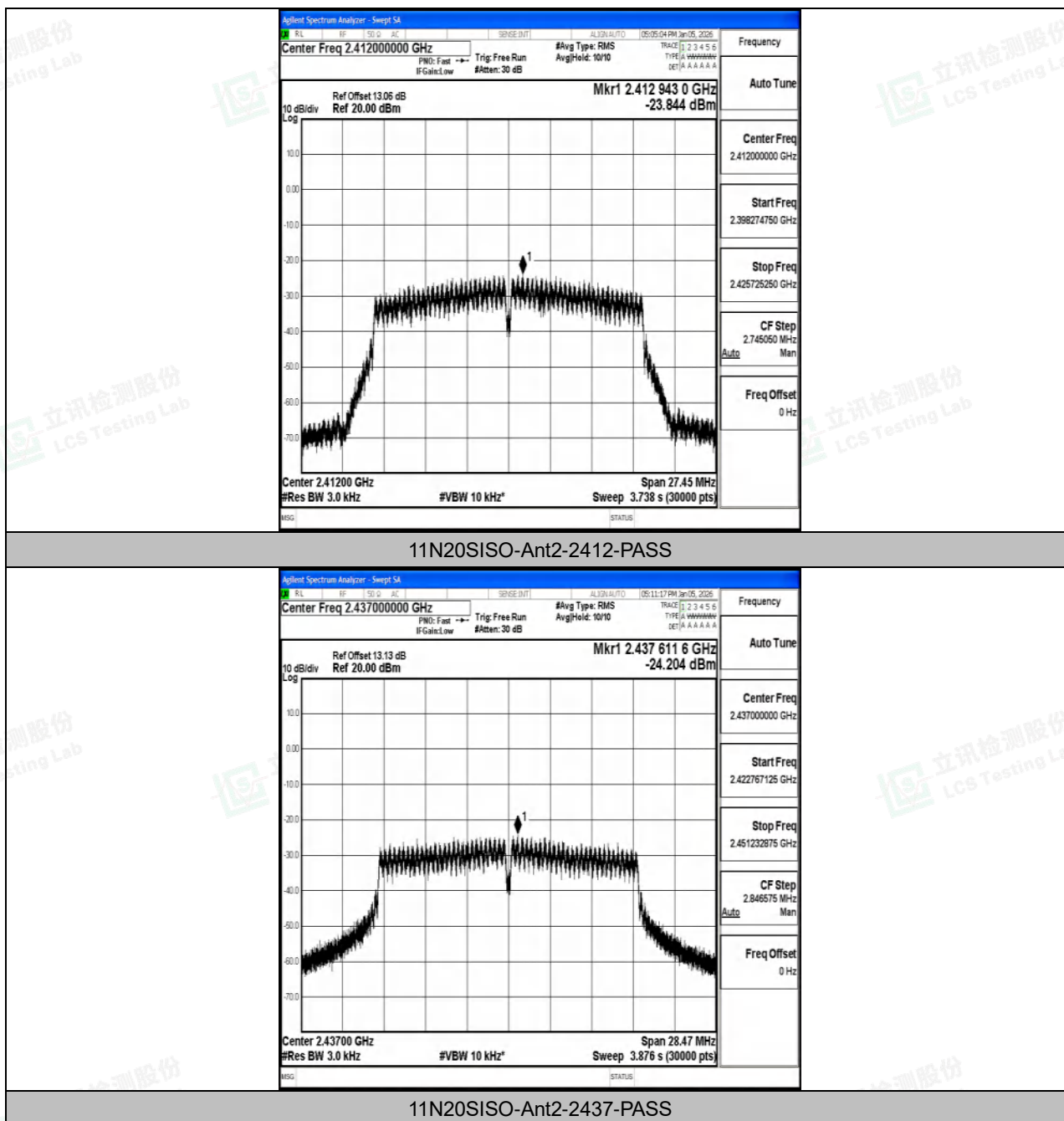


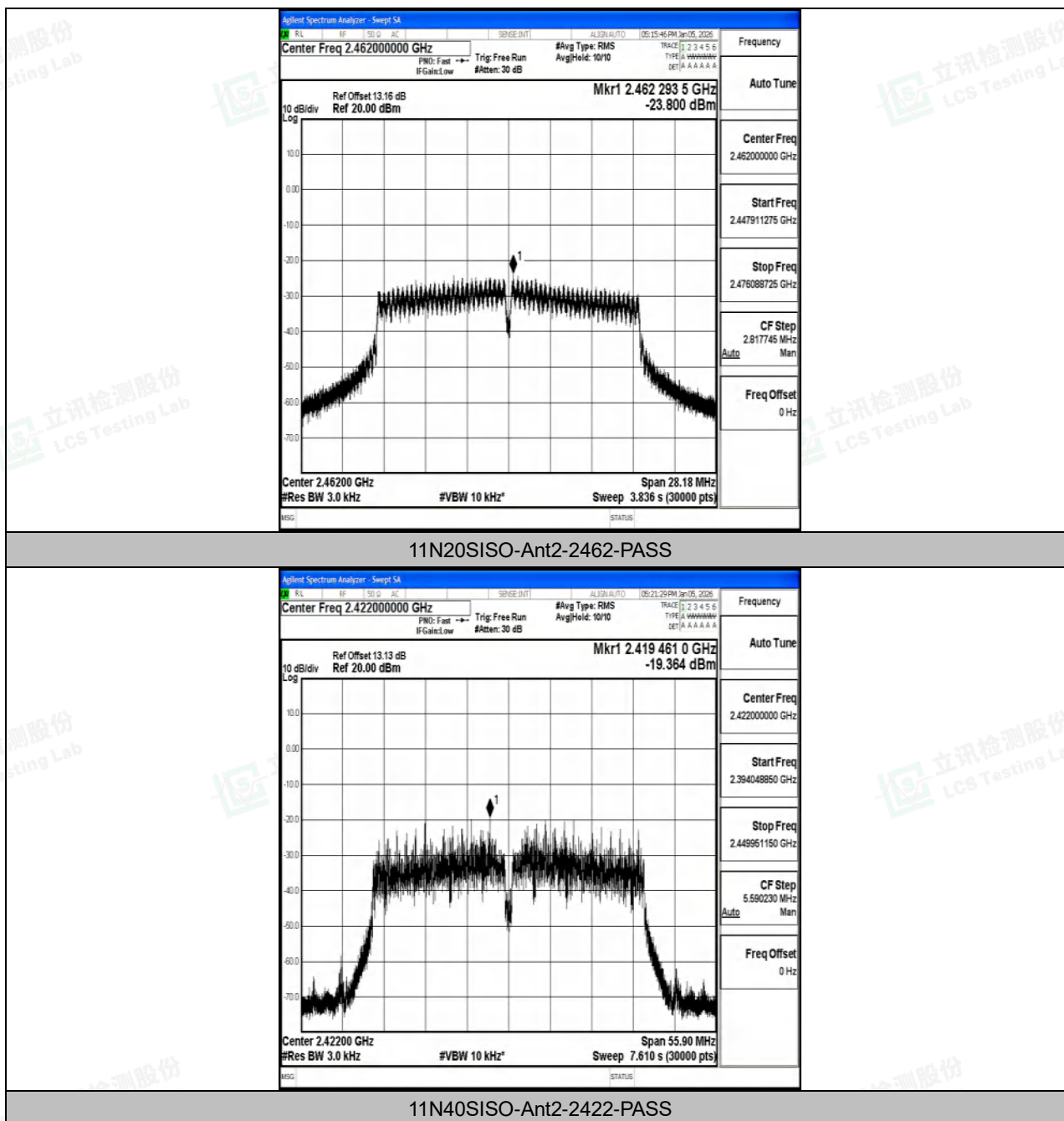
Test Graphs

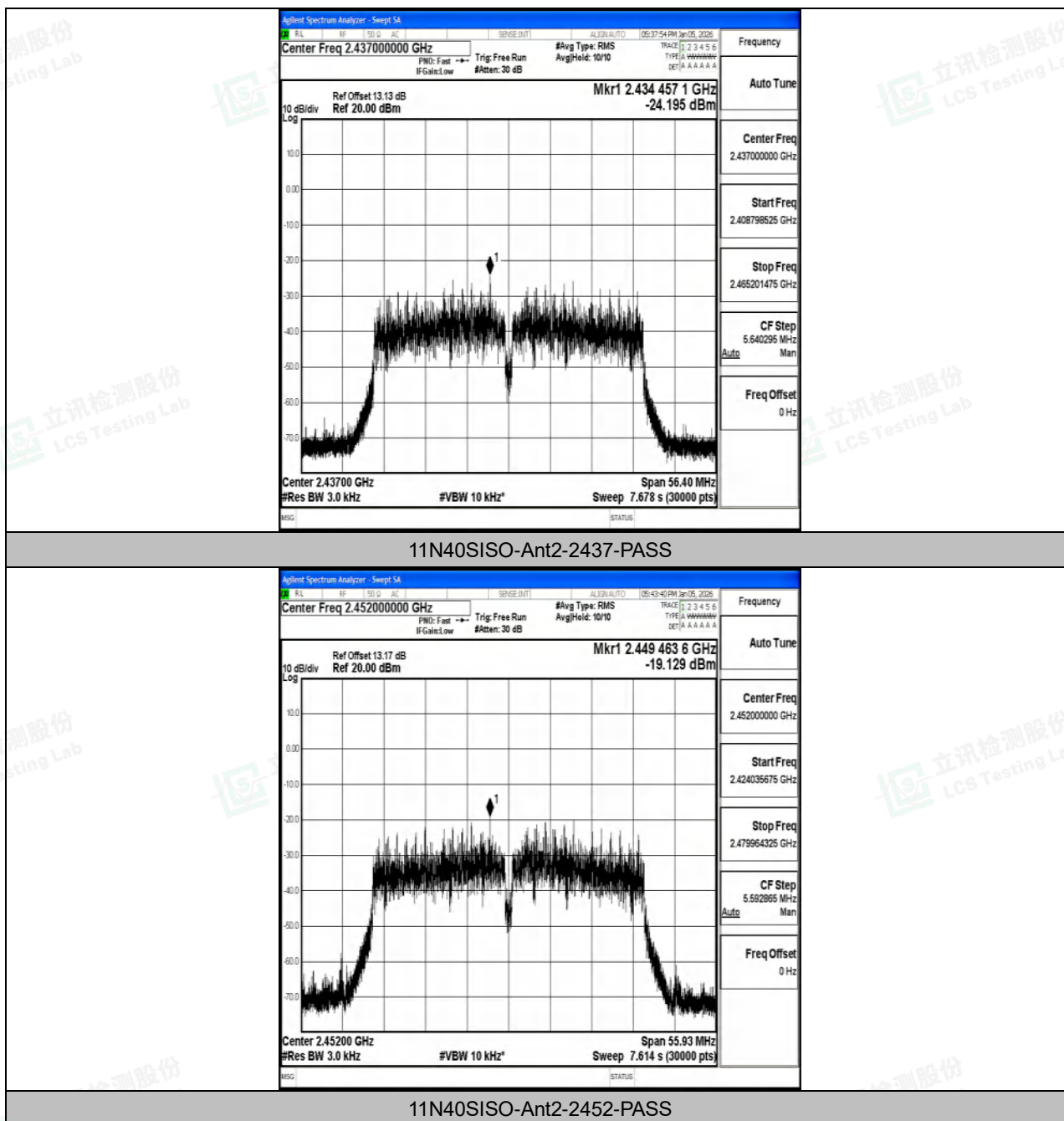














C.4 Band edge measurements

Test Result

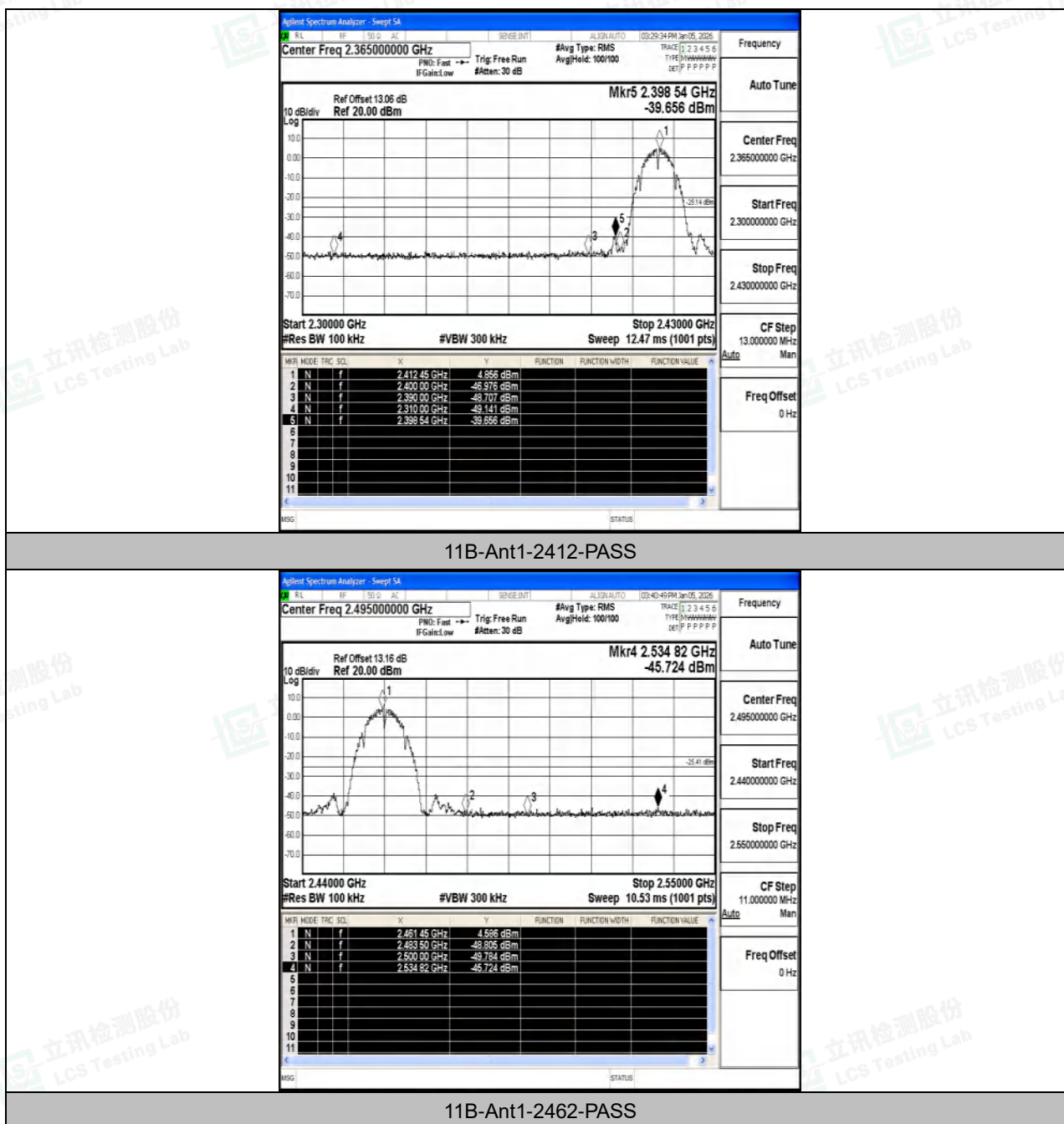
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.86	-39.66	≤-25.14	PASS
11B	Ant1	High	2462	4.59	-45.72	≤-25.41	PASS
11G	Ant1	Low	2412	2.59	-40.42	≤-27.41	PASS
11G	Ant1	High	2462	1.16	-45.85	≤-28.84	PASS
11N20SISO	Ant1	Low	2412	-3.57	-43.18	≤-33.57	PASS
11N20SISO	Ant1	High	2462	-3.26	-46.74	≤-33.26	PASS
11N40SISO	Ant1	Low	2422	-1.34	-40.24	≤-31.34	PASS
11N40SISO	Ant1	High	2452	-1.64	-45.94	≤-31.64	PASS

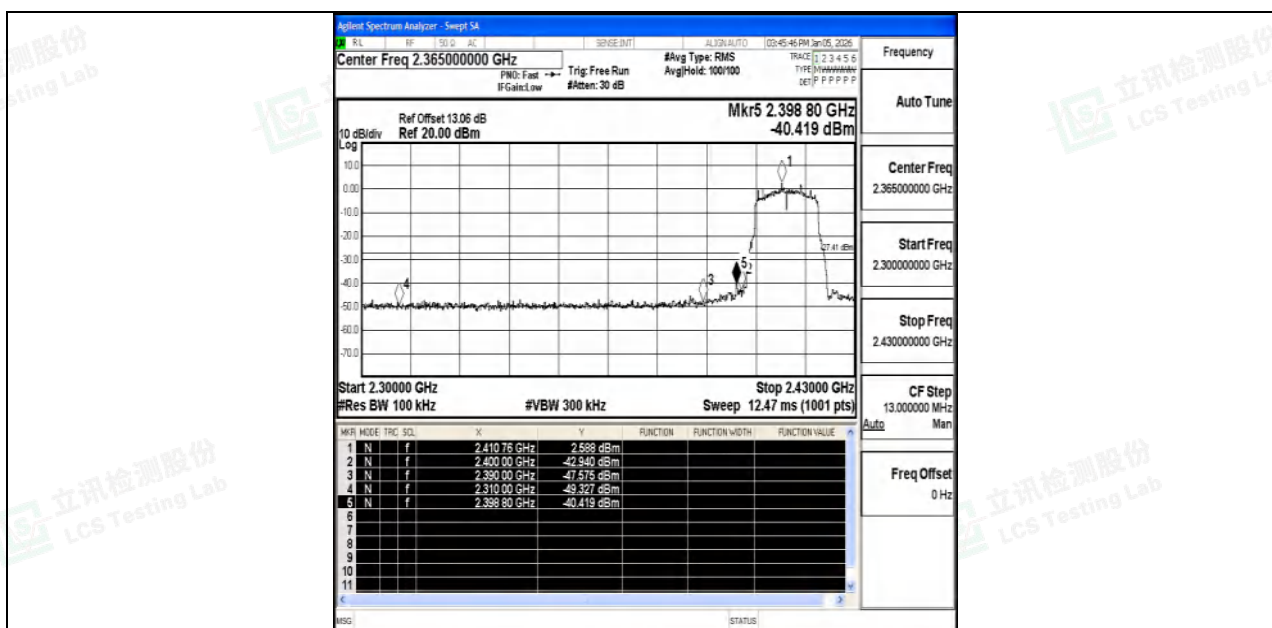
Note :offset=System attenuation +cabal loss



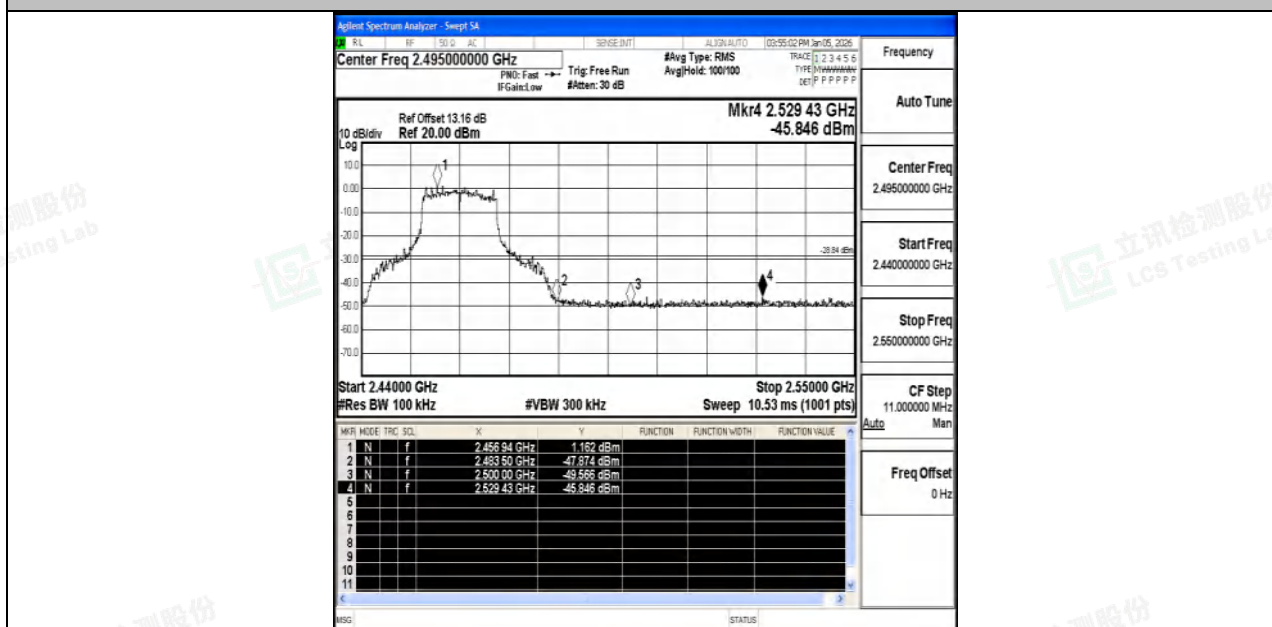


Test Graphs



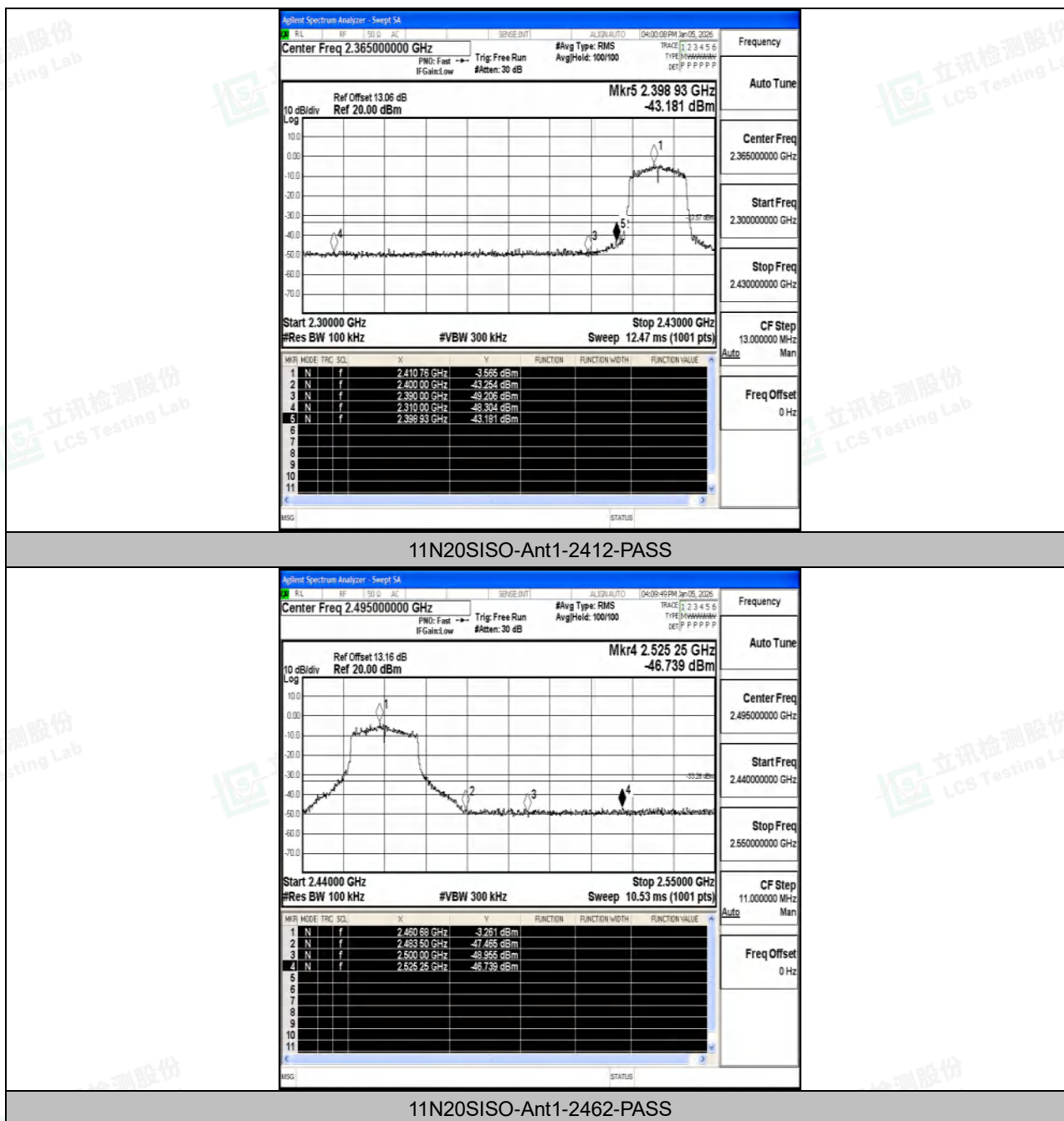


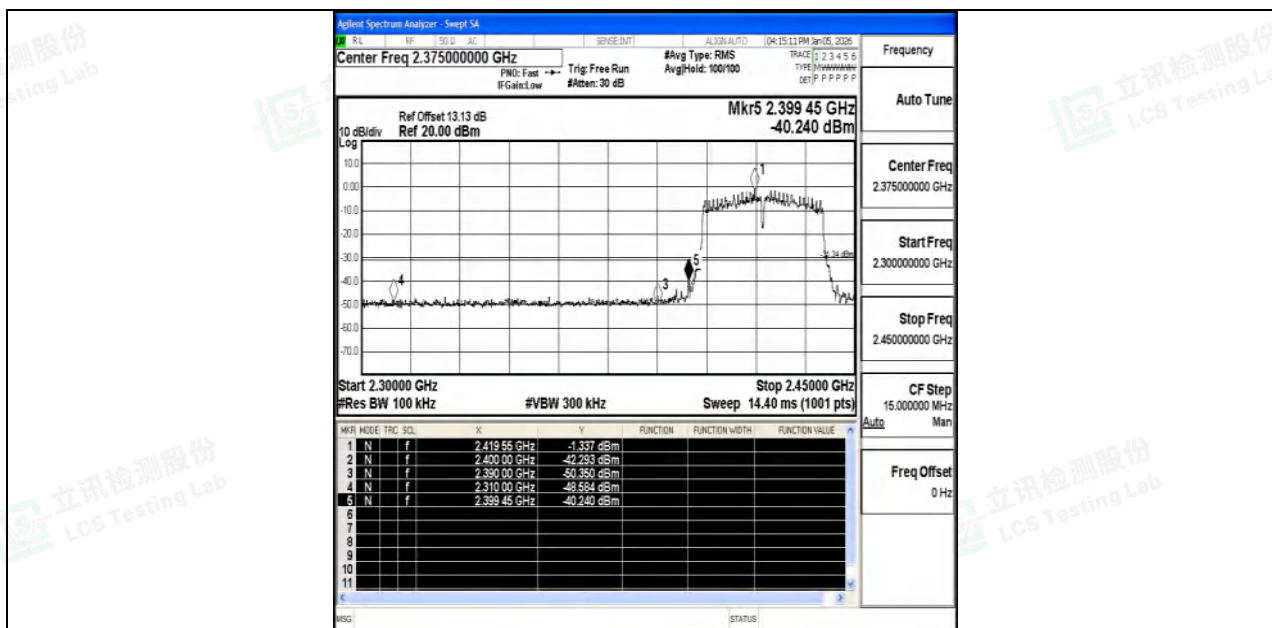
11G-Ant1-2412-PASS



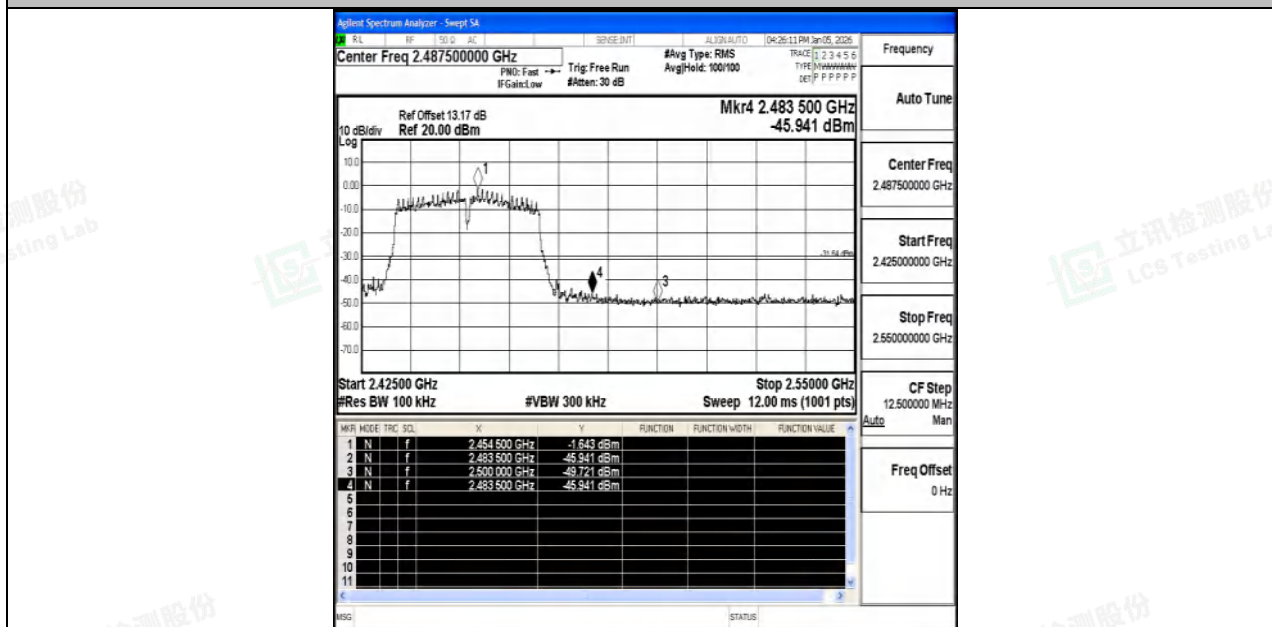
11G-Ant1-2462-PASS







11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2452-PASS





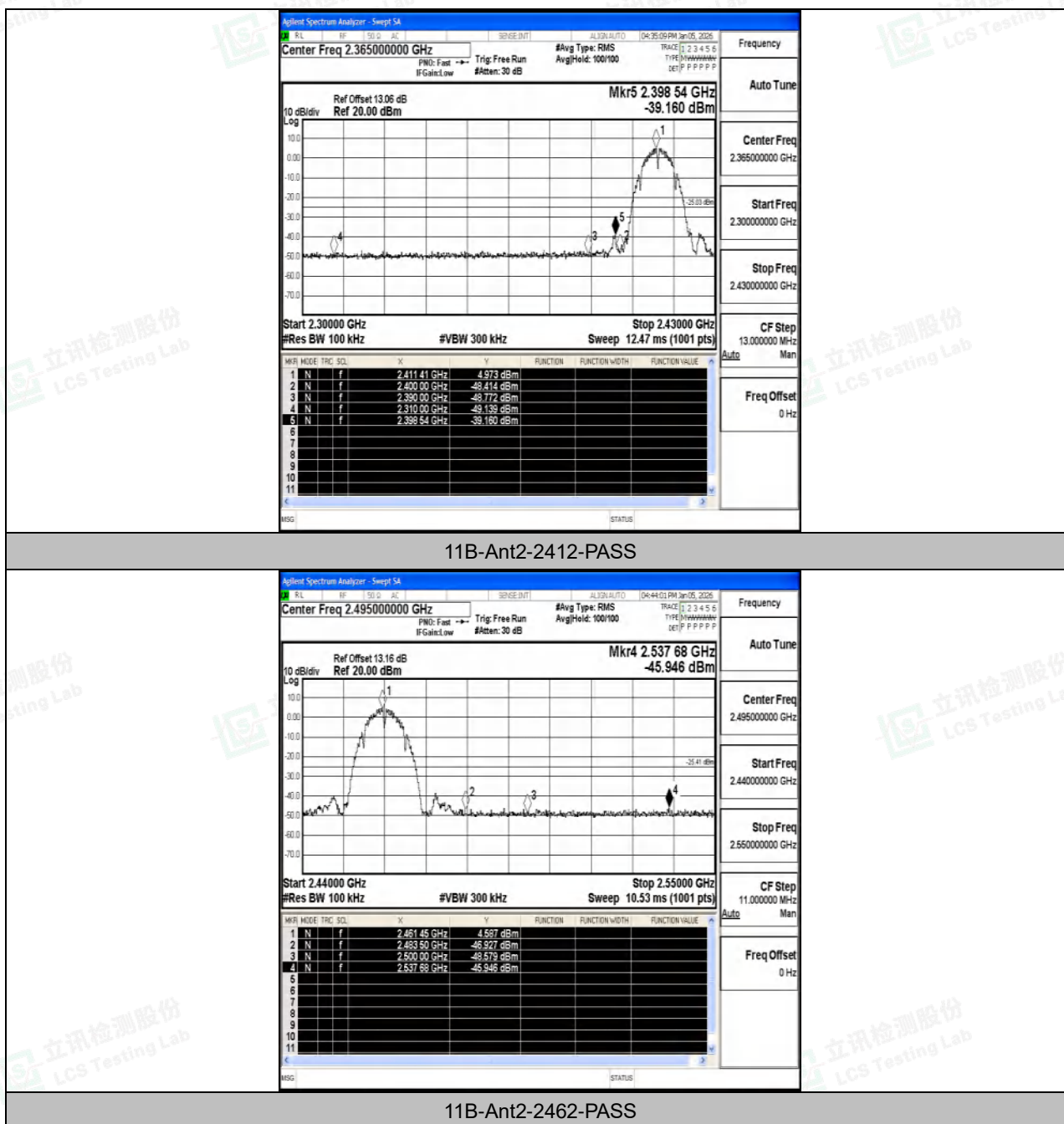
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.97	-39.16	≤-25.03	PASS
11B	Ant2	High	2462	4.59	-45.95	≤-25.41	PASS
11G	Ant2	Low	2412	3.23	-41.7	≤-26.77	PASS
11G	Ant2	High	2462	2.19	-44.95	≤-27.81	PASS
11N20SISO	Ant2	Low	2412	-3.94	-42.6	≤-33.94	PASS
11N20SISO	Ant2	High	2462	-3.18	-46.21	≤-33.18	PASS
11N40SISO	Ant2	Low	2422	-1.09	-39.51	≤-31.09	PASS
11N40SISO	Ant2	High	2452	-1.60	-46.27	≤-31.6	PASS

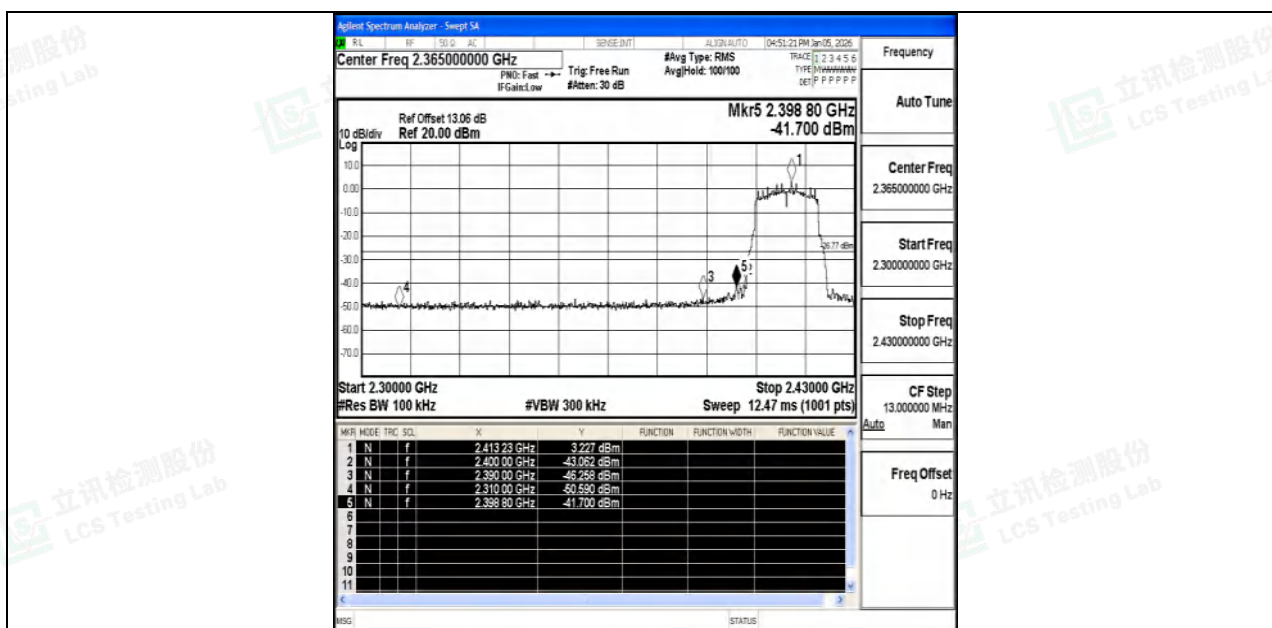
Note :offset=System attenuation +cabal loss



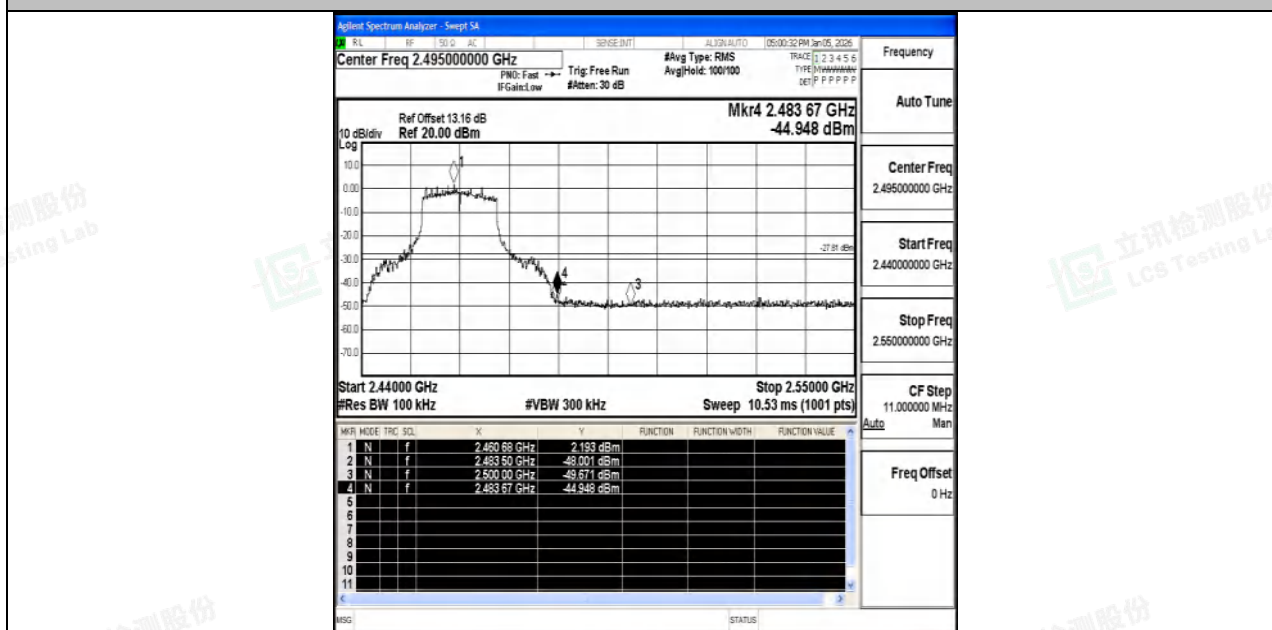
Test Graphs



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

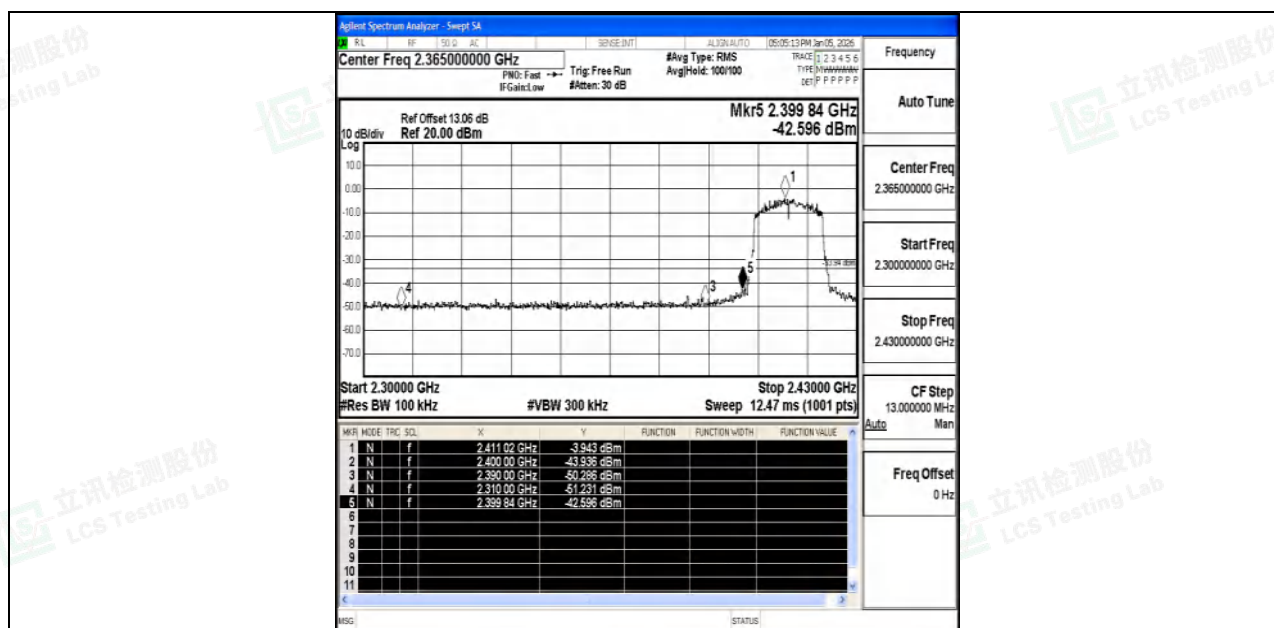


11G-Ant2-2412-PASS

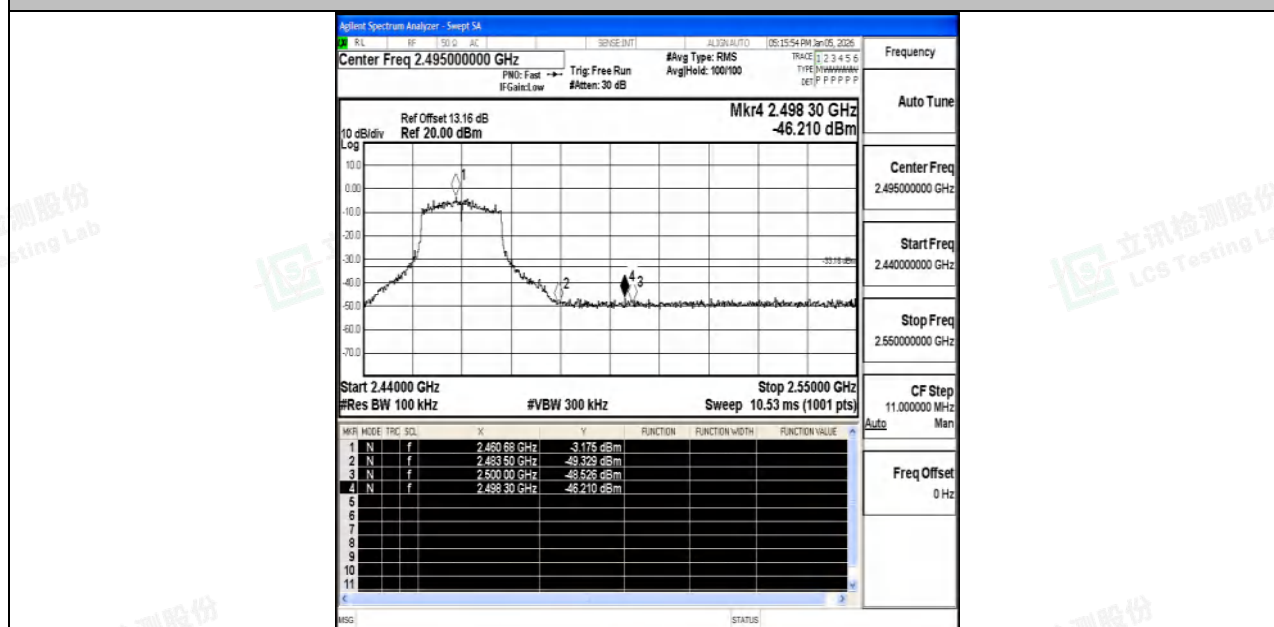


11G-Ant2-2462-PASS



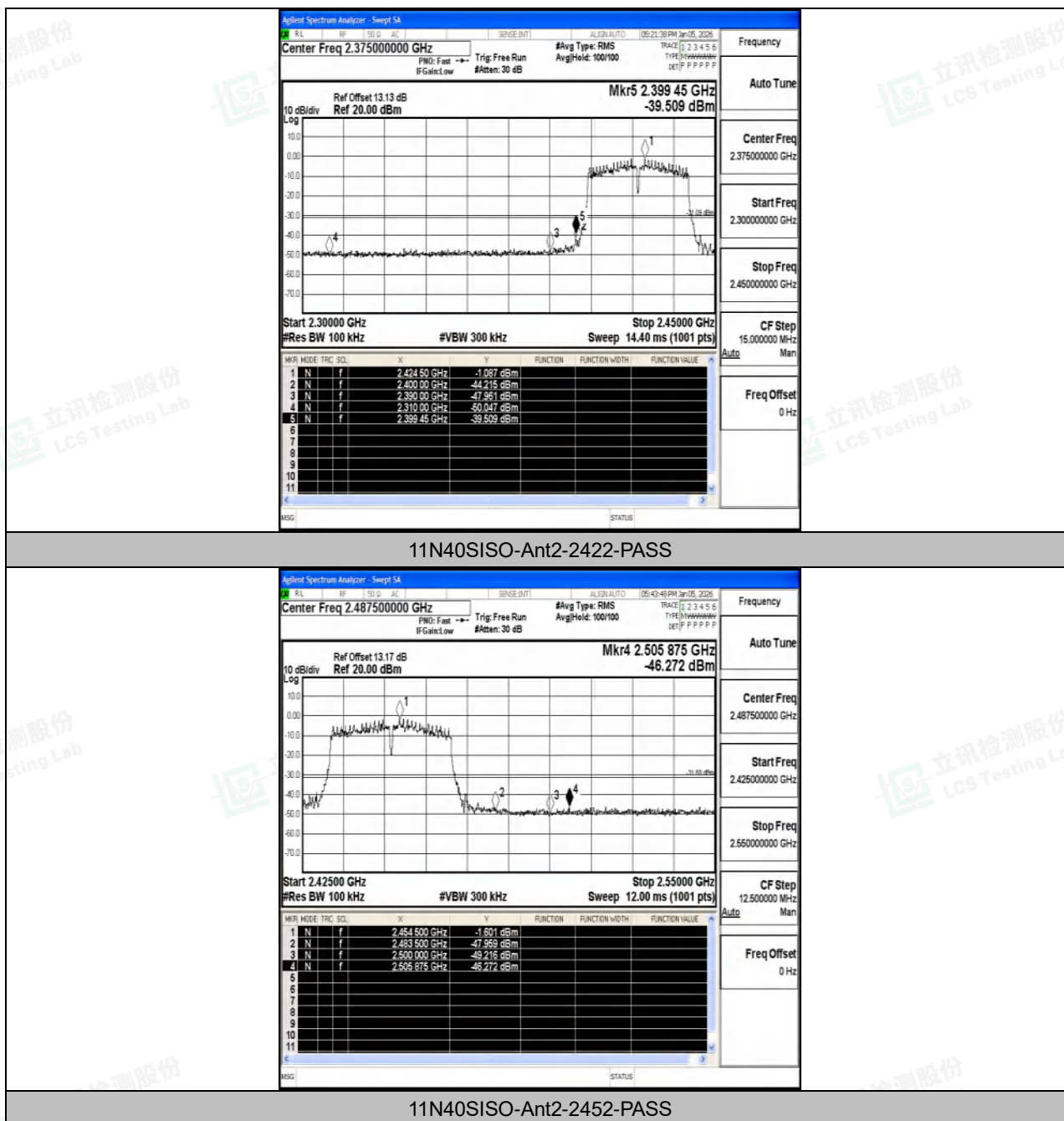


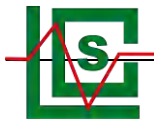
11N20SISO-Ant2-2412-PASS



11N20SISO-Ant2-2462-PASS







C.5 Conducted Spurious Emission

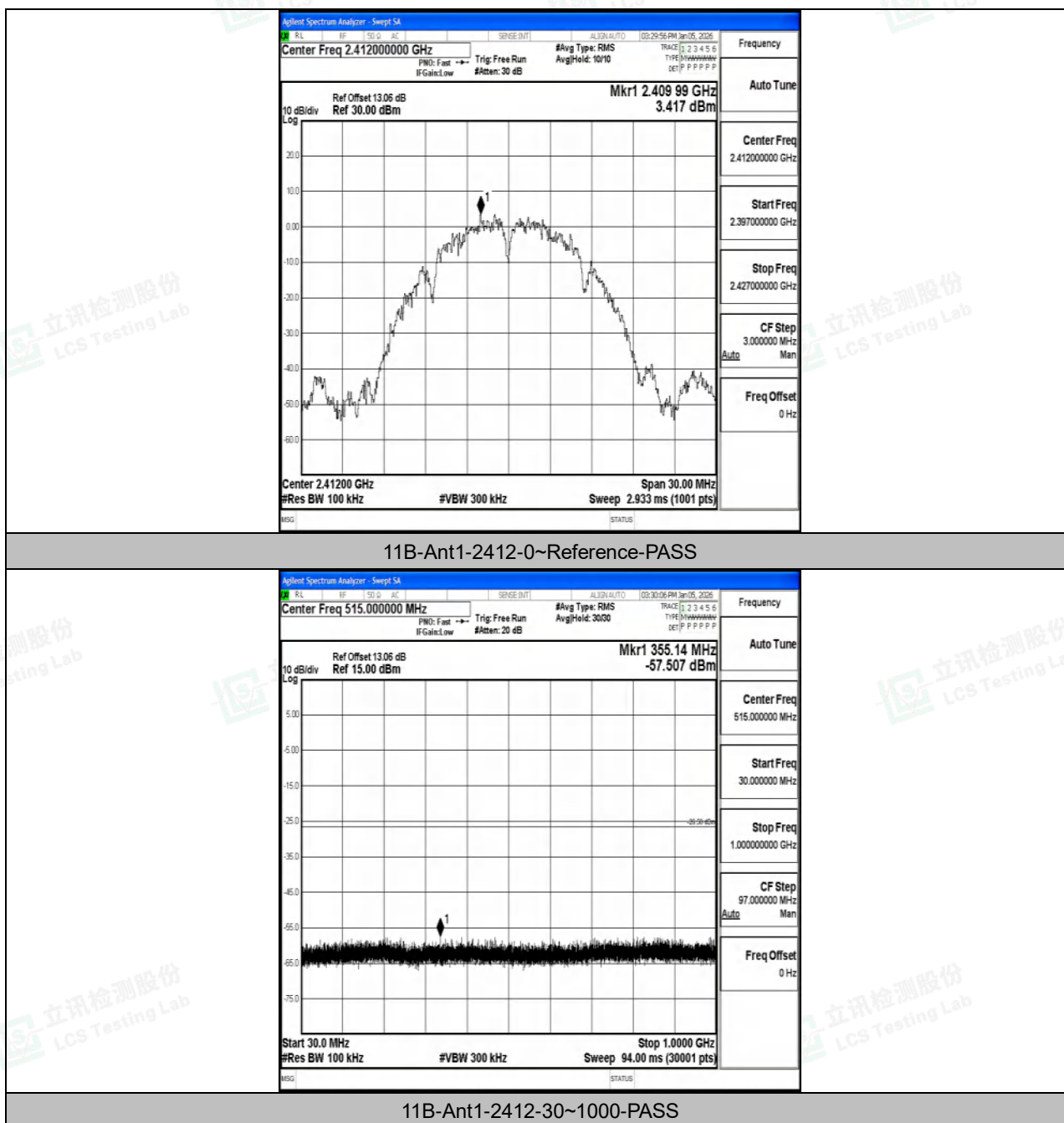
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	3.42	3.42	---	PASS
11B	Ant1	2412	30~1000	3.42	-57.51	≤-26.58	PASS
11B	Ant1	2412	1000~26500	3.42	-44.66	≤-26.58	PASS
11B	Ant1	2437	0~Reference	4.29	4.29	---	PASS
11B	Ant1	2437	30~1000	4.29	-56.98	≤-25.71	PASS
11B	Ant1	2437	1000~26500	4.29	-44.5	≤-25.71	PASS
11B	Ant1	2462	0~Reference	4.73	4.73	---	PASS
11B	Ant1	2462	30~1000	4.73	-56.95	≤-25.27	PASS
11B	Ant1	2462	1000~26500	4.73	-44.29	≤-25.27	PASS
11G	Ant1	2412	0~Reference	1.10	1.10	---	PASS
11G	Ant1	2412	30~1000	1.10	-56.78	≤-28.9	PASS
11G	Ant1	2412	1000~26500	1.10	-44.2	≤-28.9	PASS
11G	Ant1	2437	0~Reference	0.24	0.24	---	PASS
11G	Ant1	2437	30~1000	0.24	-57.32	≤-29.76	PASS
11G	Ant1	2437	1000~26500	0.24	-43.91	≤-29.76	PASS
11G	Ant1	2462	0~Reference	0.41	0.41	---	PASS
11G	Ant1	2462	30~1000	0.41	-55.59	≤-29.59	PASS
11G	Ant1	2462	1000~26500	0.41	-44.03	≤-29.59	PASS
11N20SISO	Ant1	2412	0~Reference	-5.15	-5.15	---	PASS
11N20SISO	Ant1	2412	30~1000	-5.15	-56.65	≤-35.15	PASS
11N20SISO	Ant1	2412	1000~26500	-5.15	-44.23	≤-35.15	PASS
11N20SISO	Ant1	2437	0~Reference	-5.79	-5.79	---	PASS
11N20SISO	Ant1	2437	30~1000	-5.79	-57.11	≤-35.79	PASS
11N20SISO	Ant1	2437	1000~26500	-5.79	-44.11	≤-35.79	PASS
11N20SISO	Ant1	2462	0~Reference	-4.47	-4.47	---	PASS
11N20SISO	Ant1	2462	30~1000	-4.47	-56.58	≤-34.47	PASS
11N20SISO	Ant1	2462	1000~26500	-4.47	-43.56	≤-34.47	PASS
11N40SISO	Ant1	2422	0~Reference	-1.02	-1.02	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.02	-38.59	≤-31.02	PASS
11N40SISO	Ant1	2422	1000~26500	-1.02	-43.8	≤-31.02	PASS
11N40SISO	Ant1	2437	0~Reference	-7.96	-7.96	---	PASS
11N40SISO	Ant1	2437	30~1000	-7.96	-56.97	≤-37.96	PASS
11N40SISO	Ant1	2437	1000~26500	-7.96	-44.14	≤-37.96	PASS
11N40SISO	Ant1	2452	0~Reference	-1.54	-1.54	---	PASS
11N40SISO	Ant1	2452	30~1000	-1.54	-56.81	≤-31.54	PASS
11N40SISO	Ant1	2452	1000~26500	-1.54	-44.16	≤-31.54	PASS

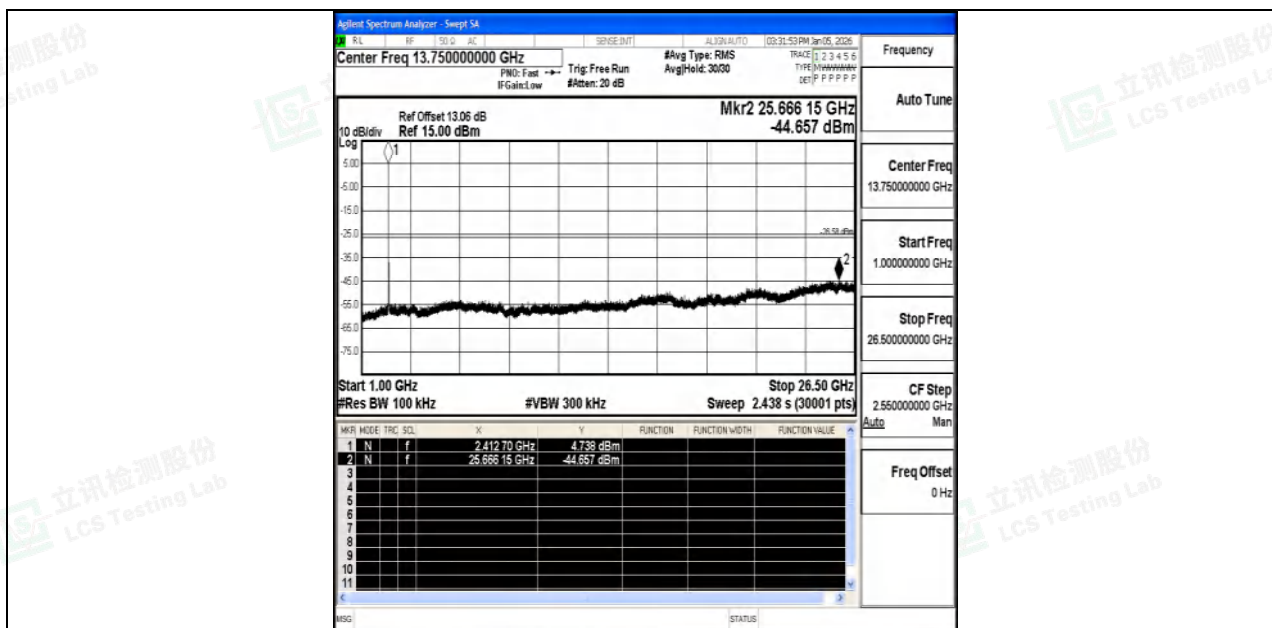
Note :Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the CORREC' of the Spectrum Analyzer during the test.



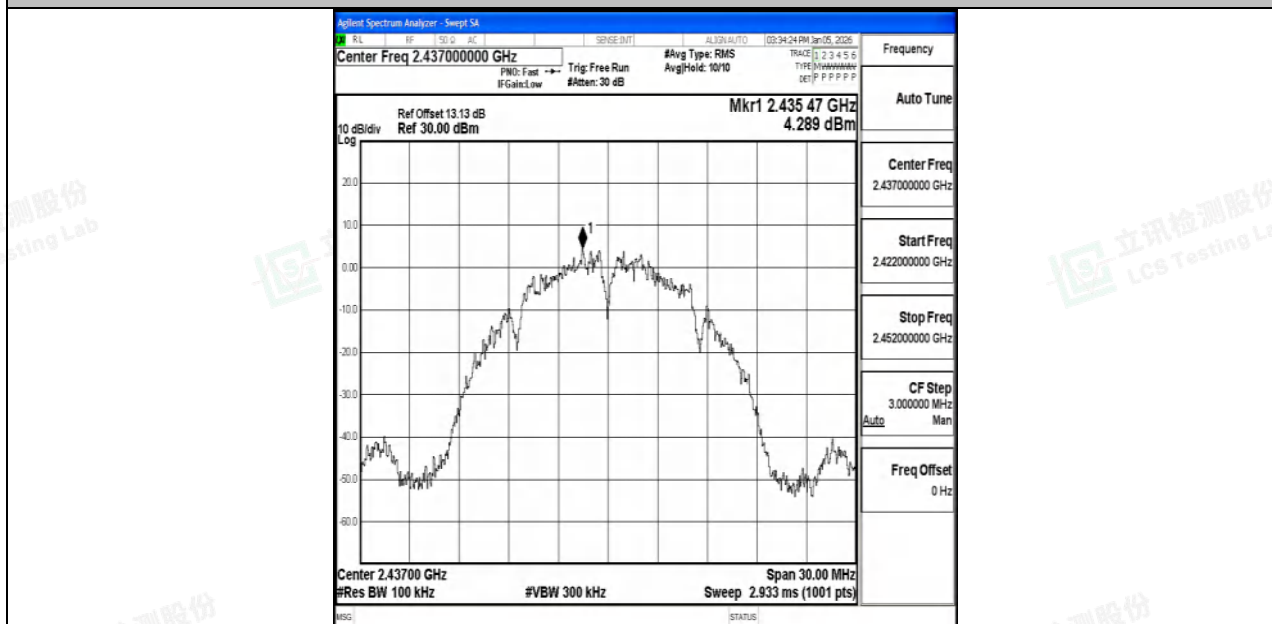


Test Graphs



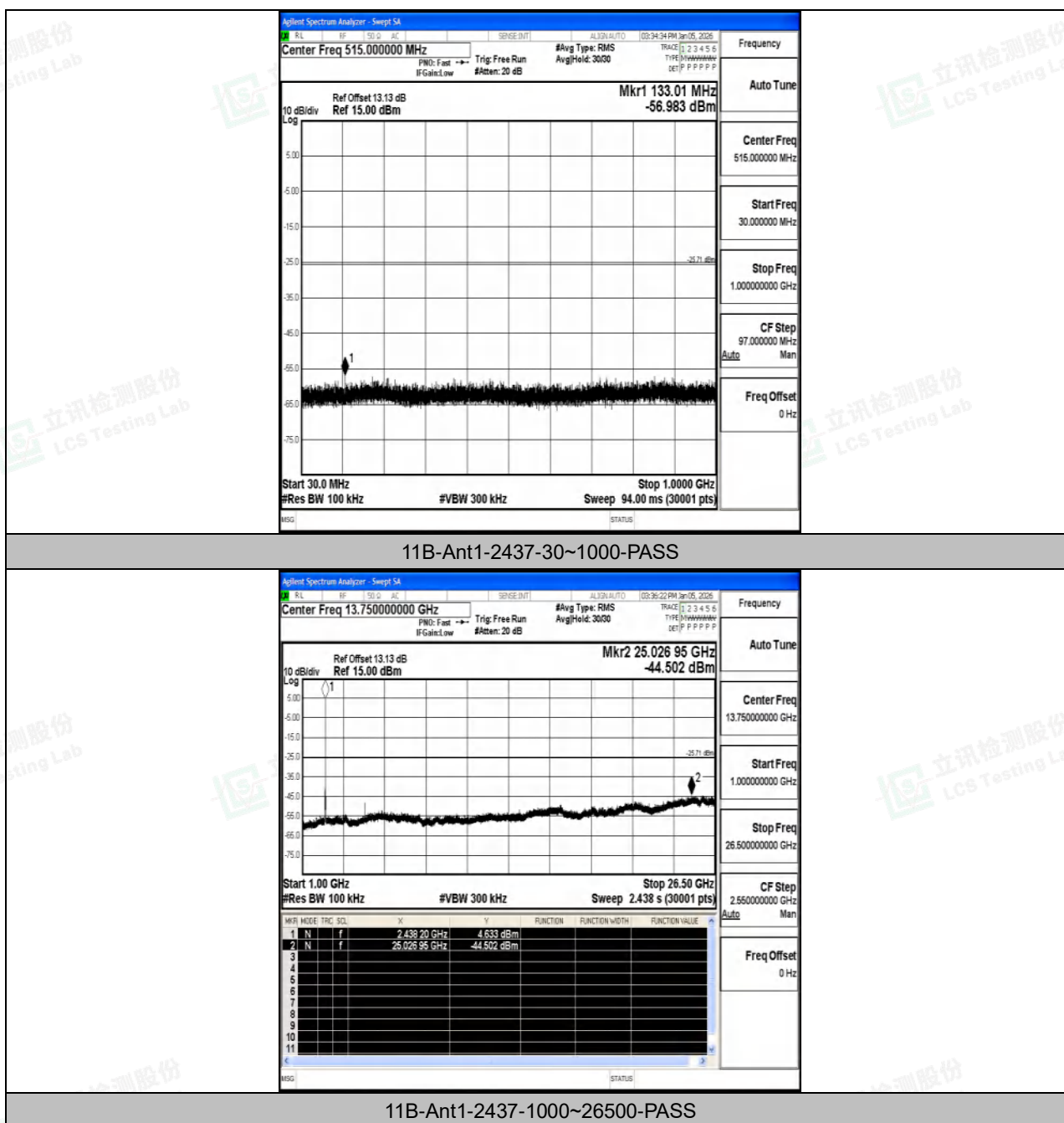


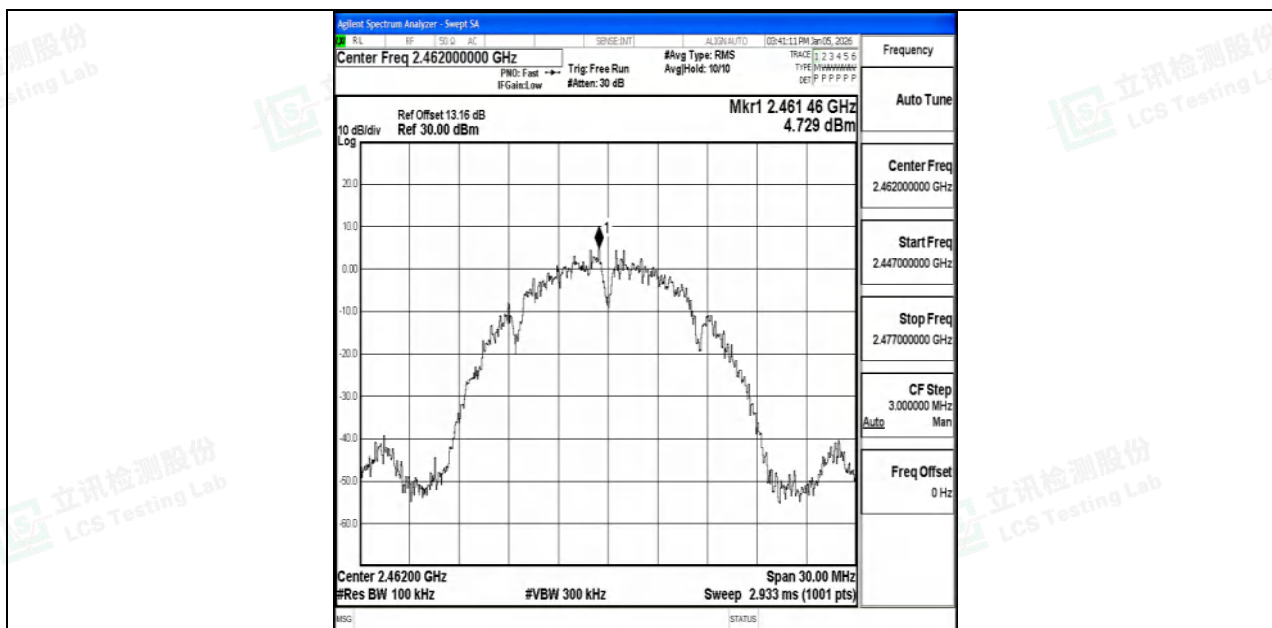
11B-Ant1-2412-1000~26500-PASS



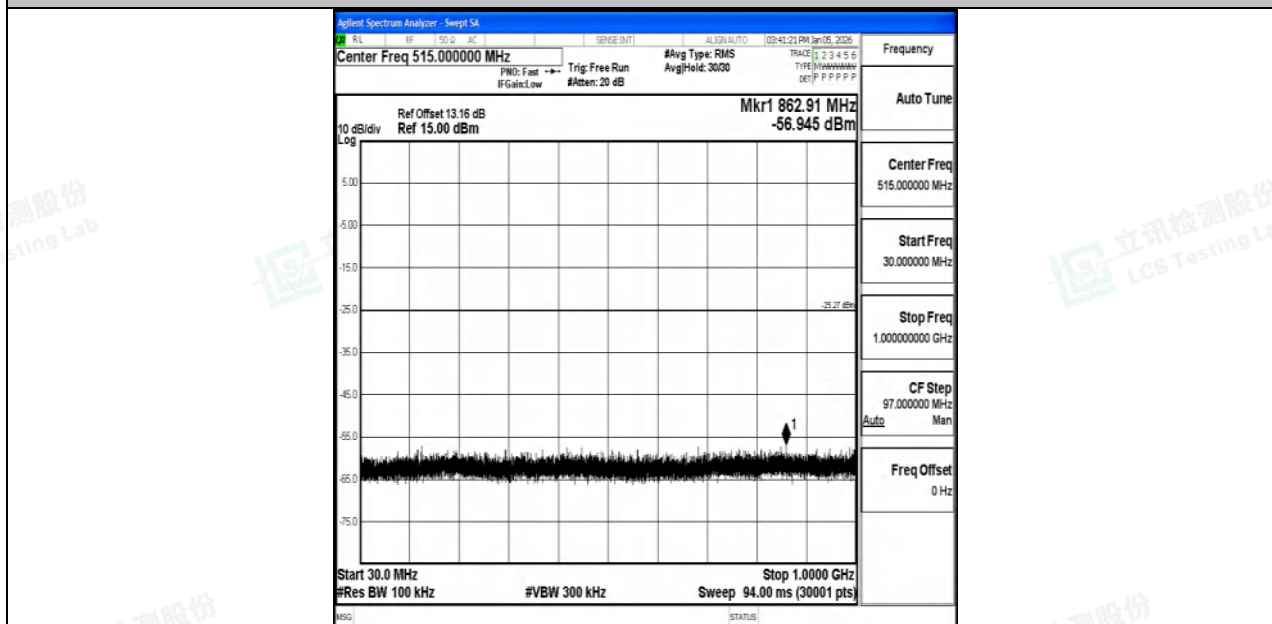
11B-Ant1-2437-0~Reference-PASS





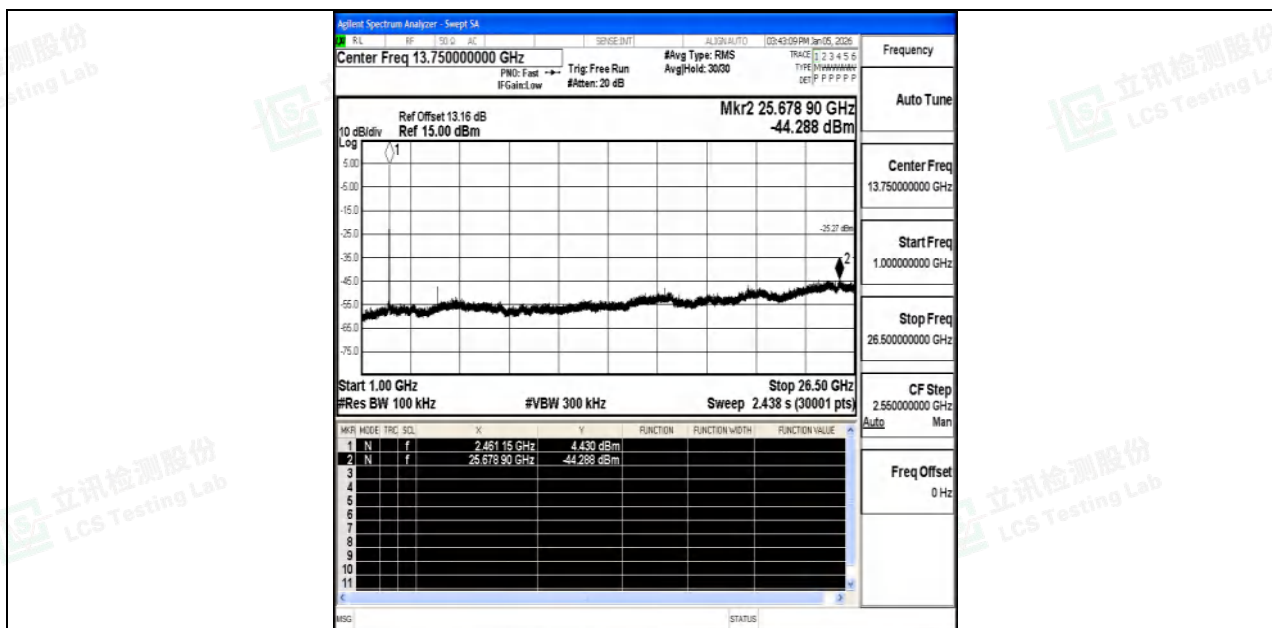


11B-Ant1-2462-0~Reference-PASS

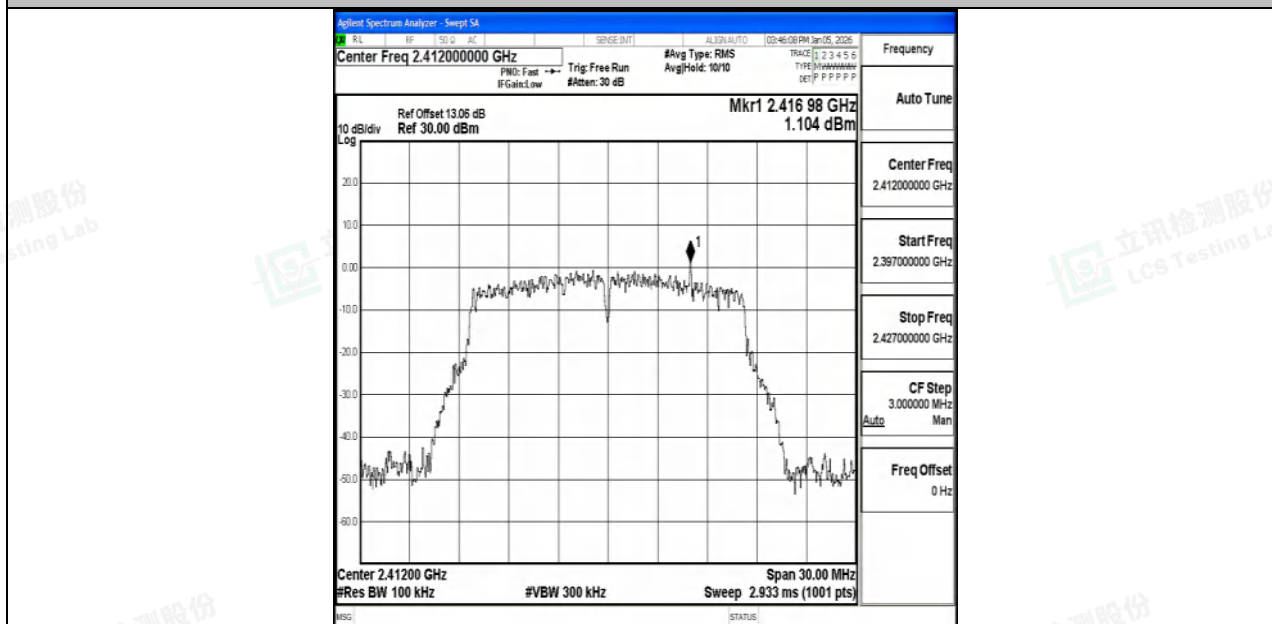


11B-Ant1-2462-30~1000-PASS



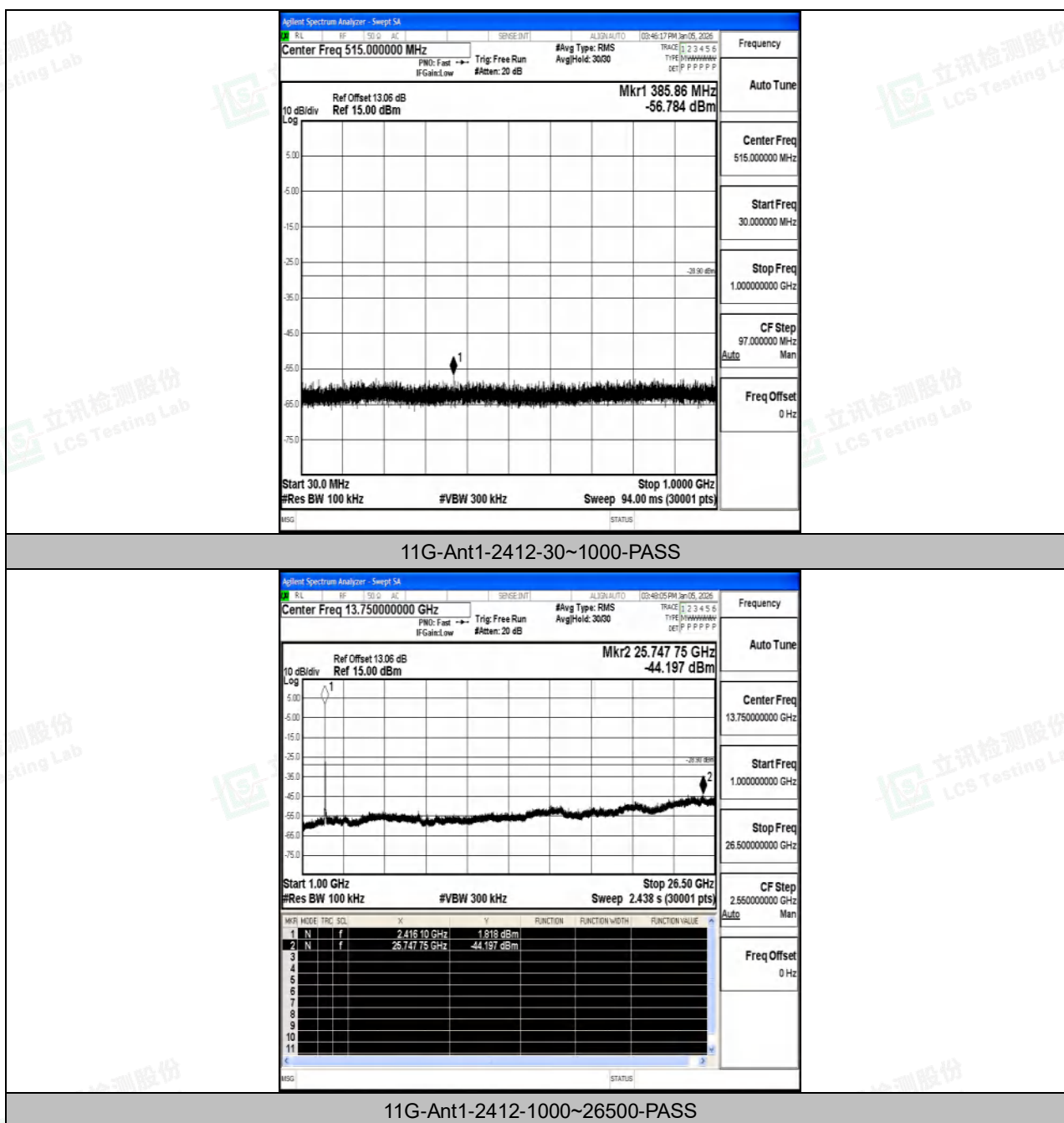


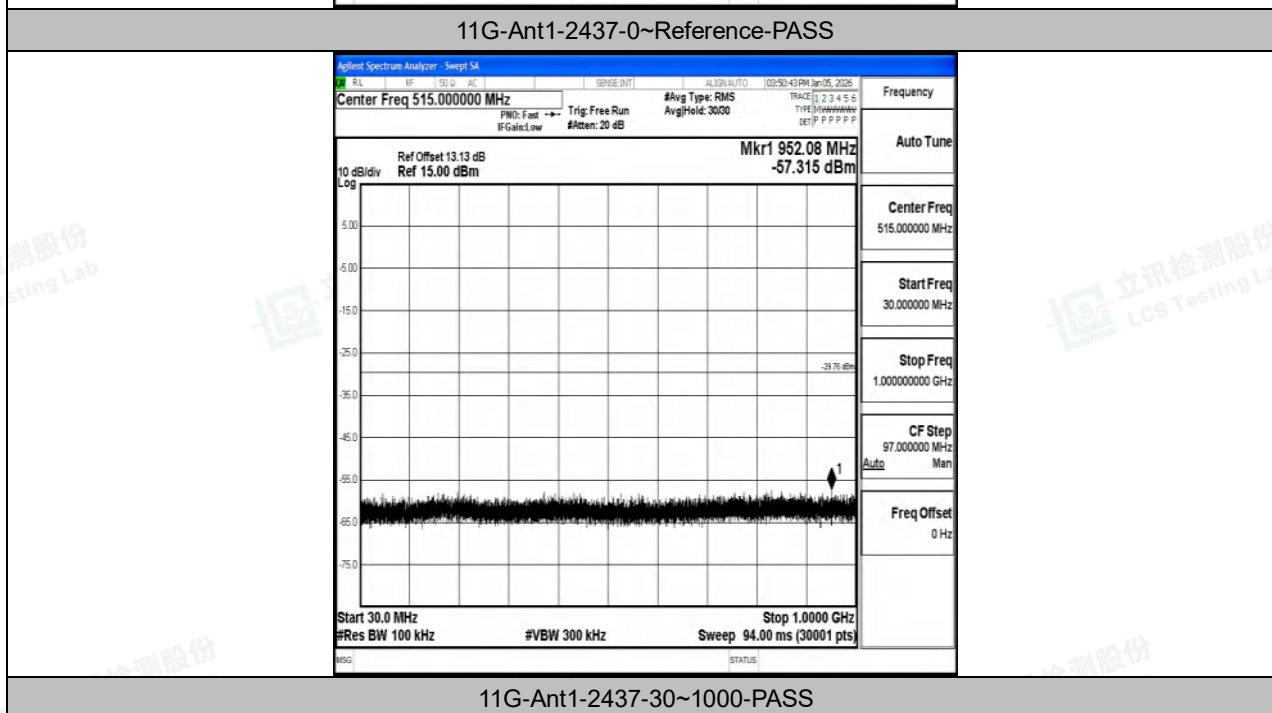
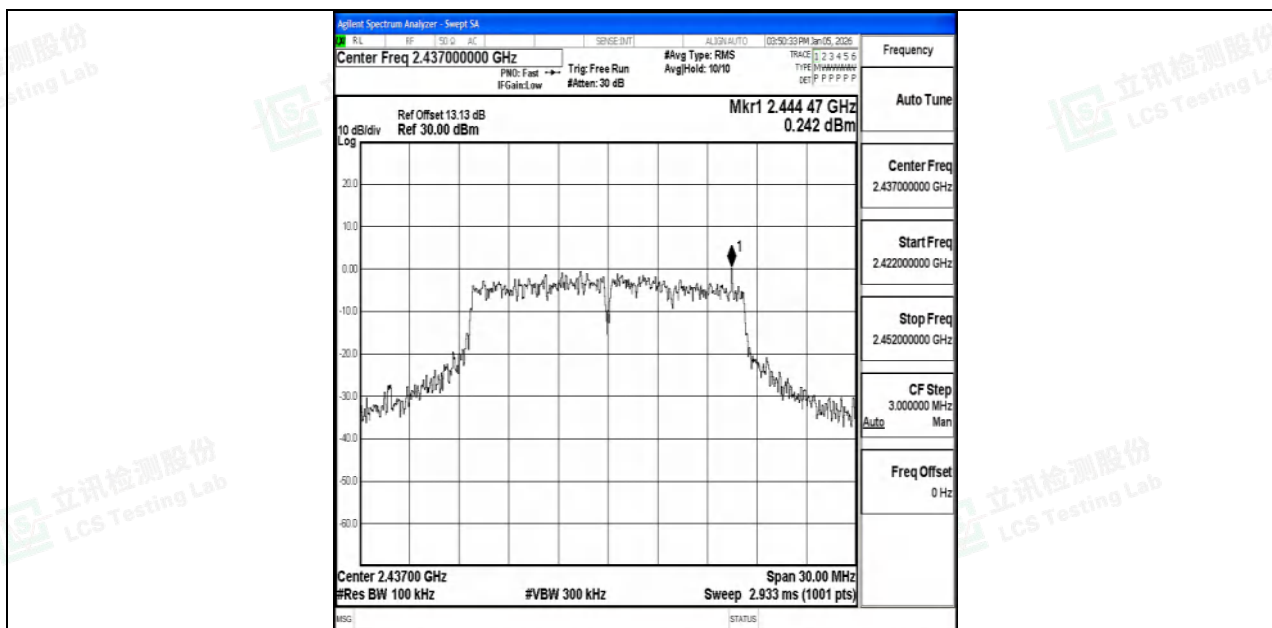
11B-Ant1-2462-1000~26500-PASS

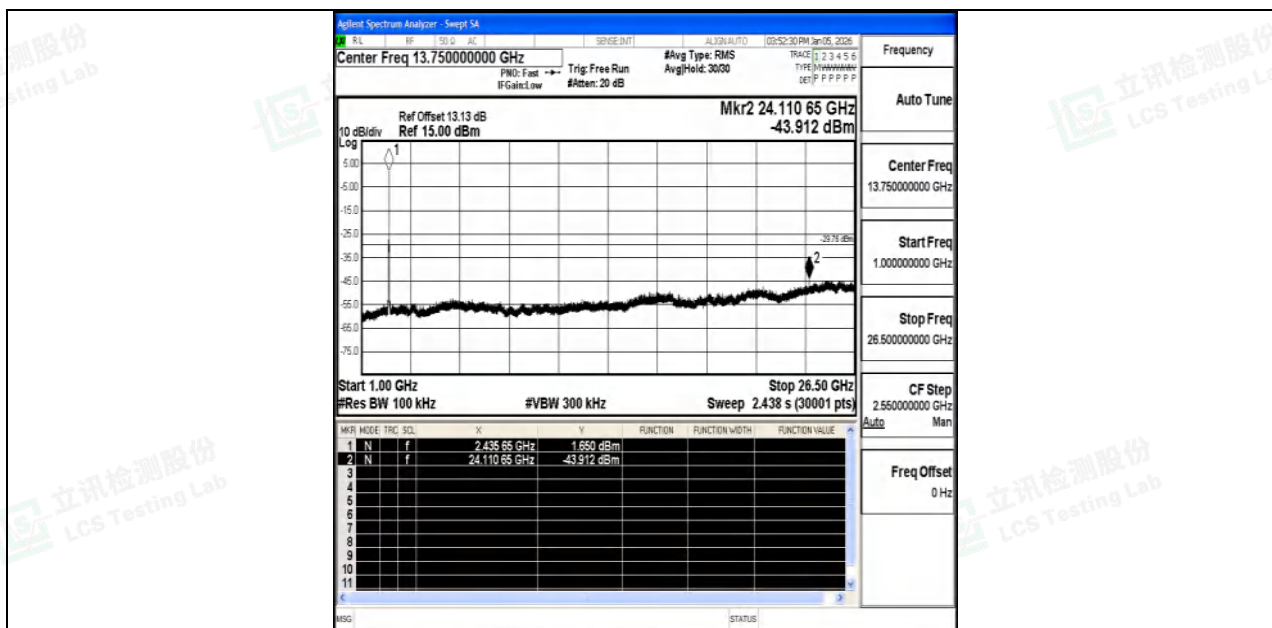


11G-Ant1-2412-0~Reference-PASS

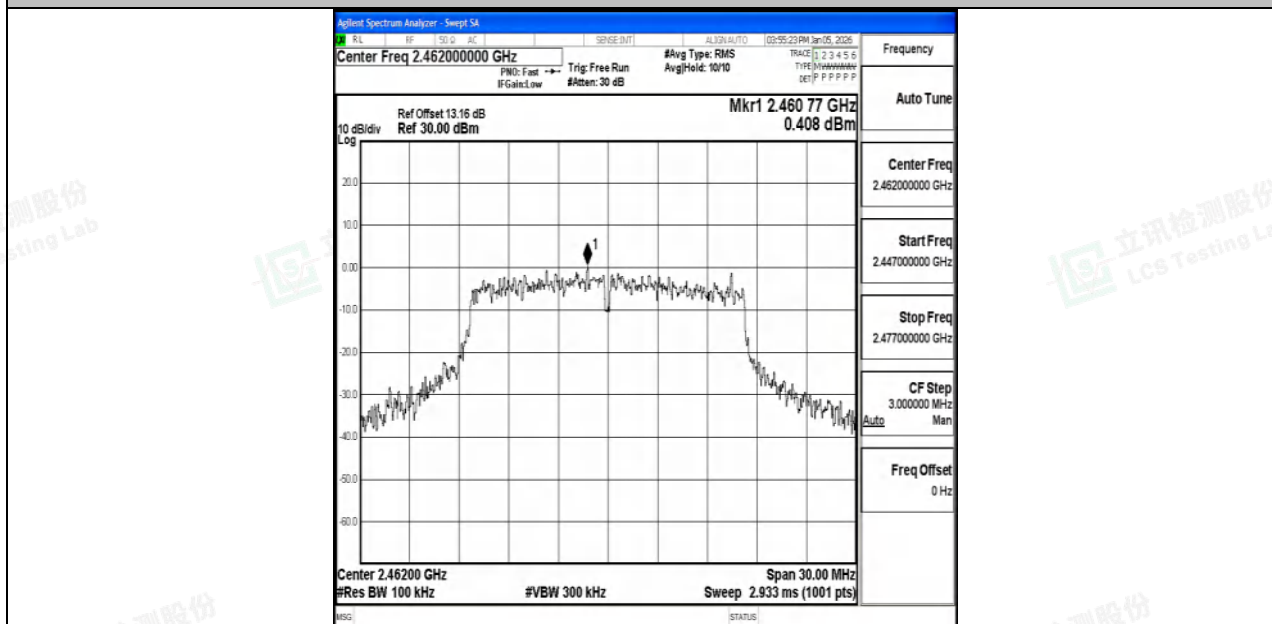






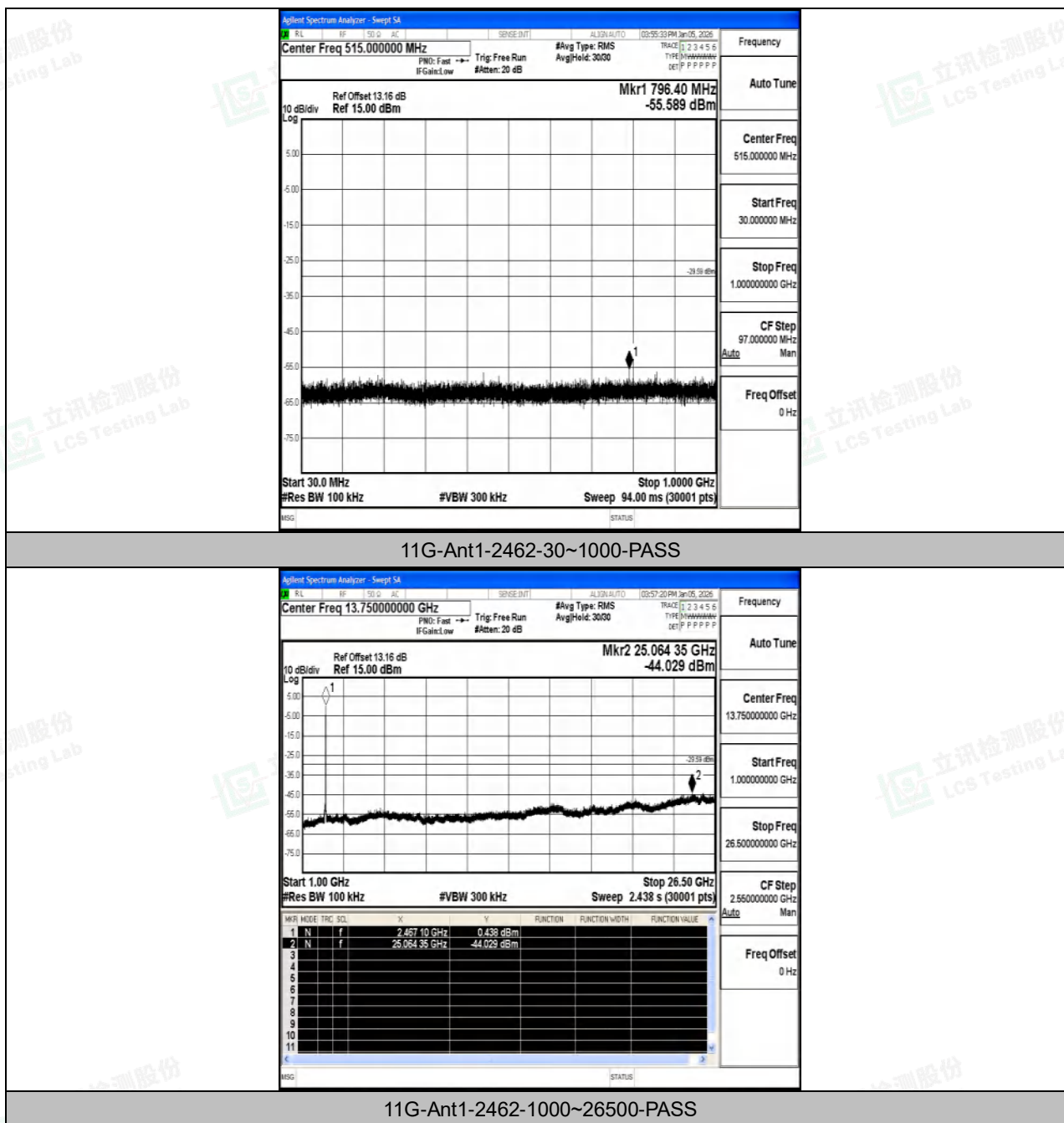


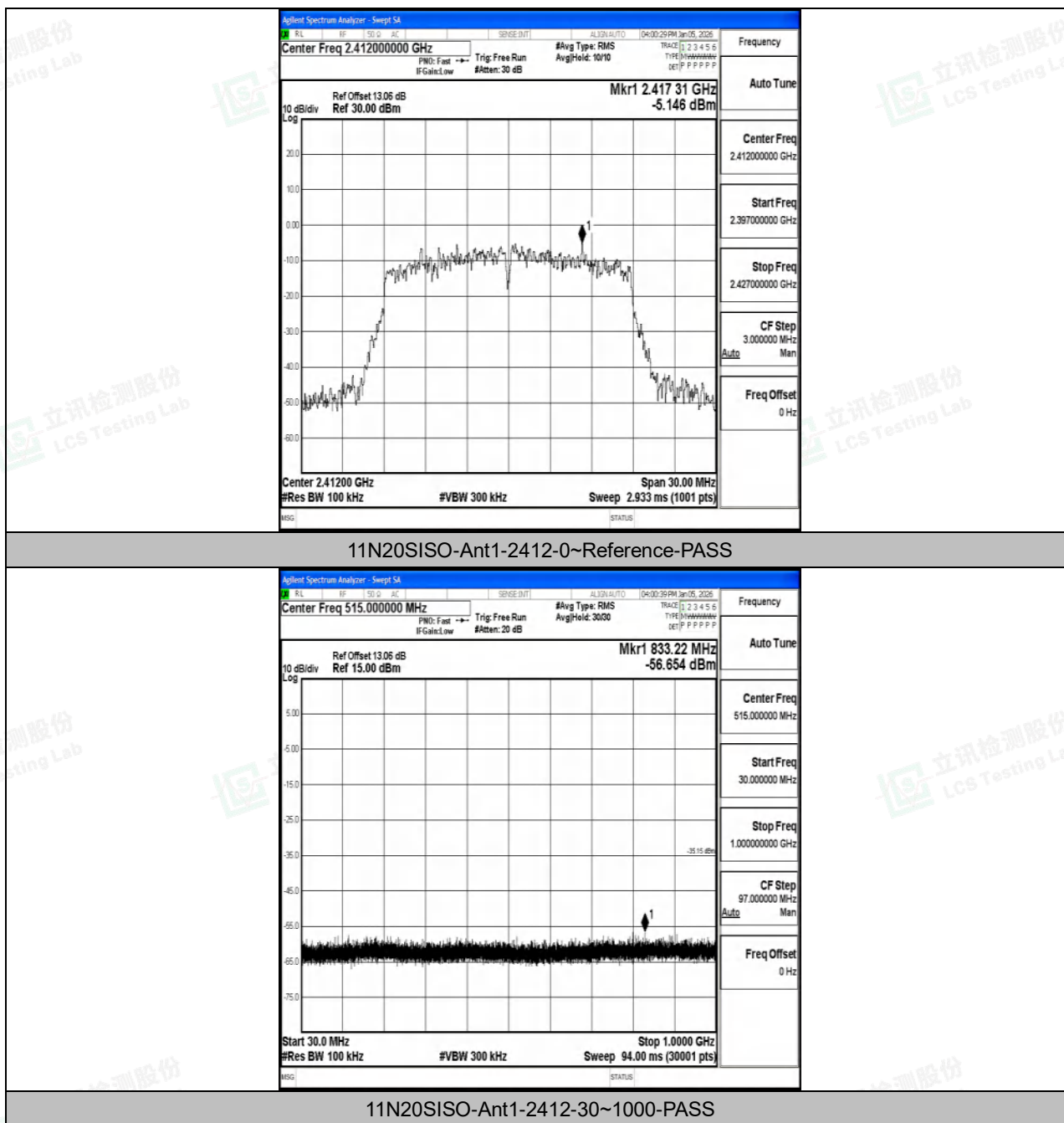
11G-Ant1-2437-1000~26500-PASS

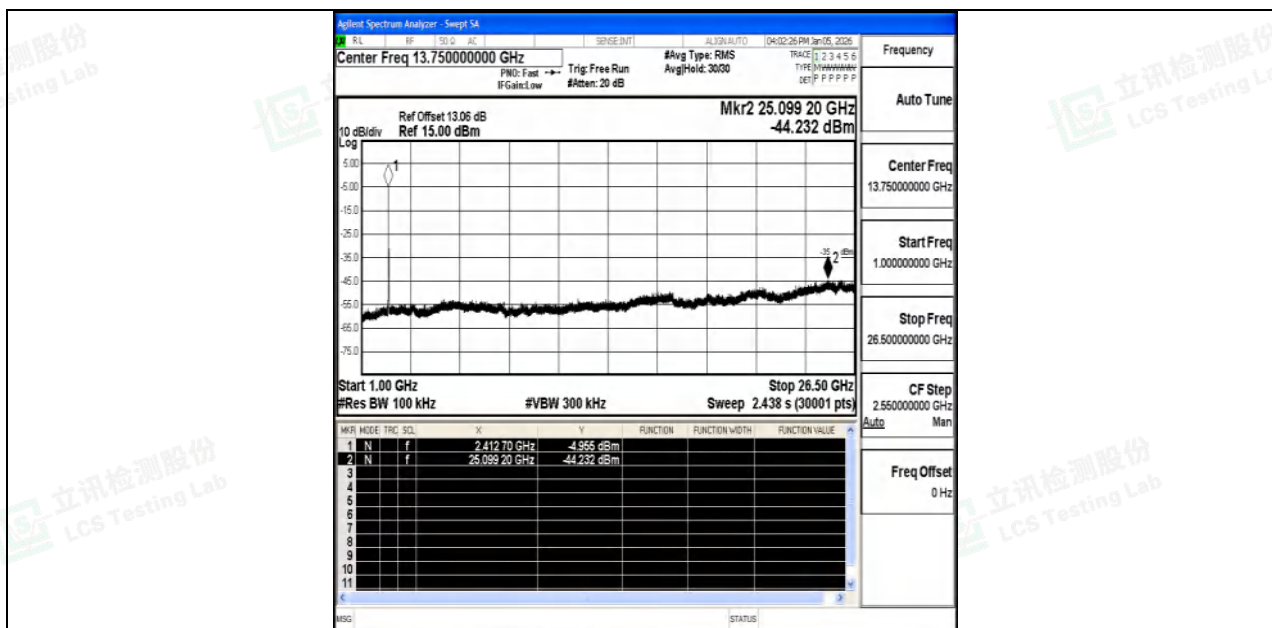


11G-Ant1-2462-0~Reference-PASS

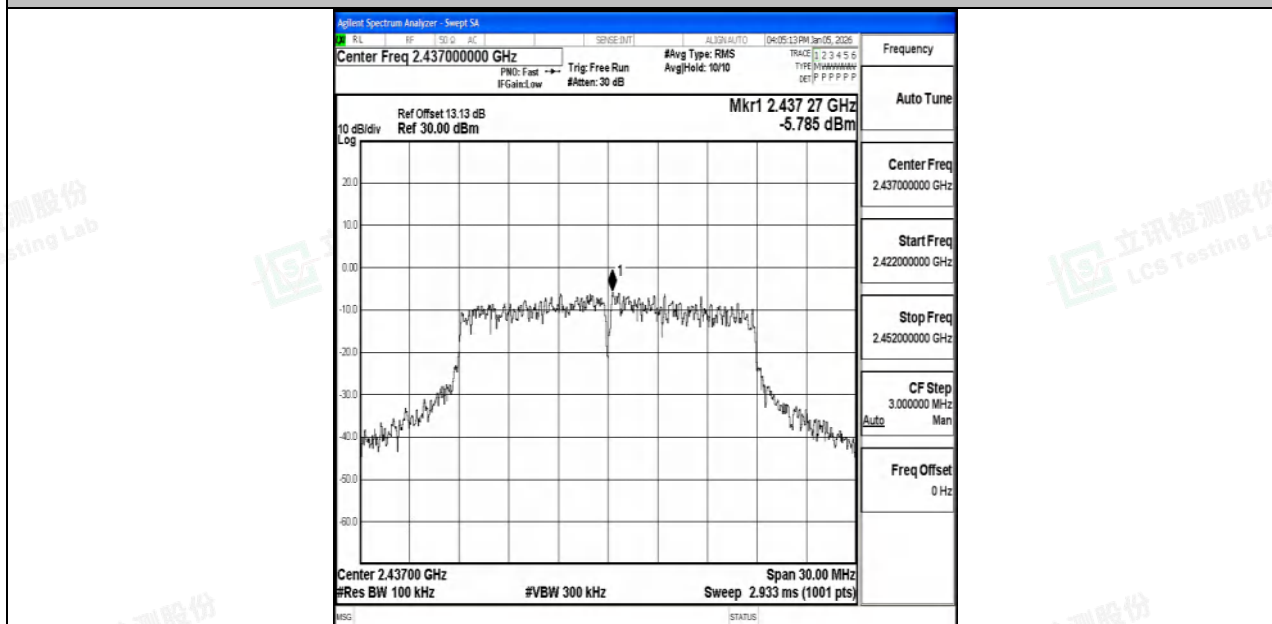






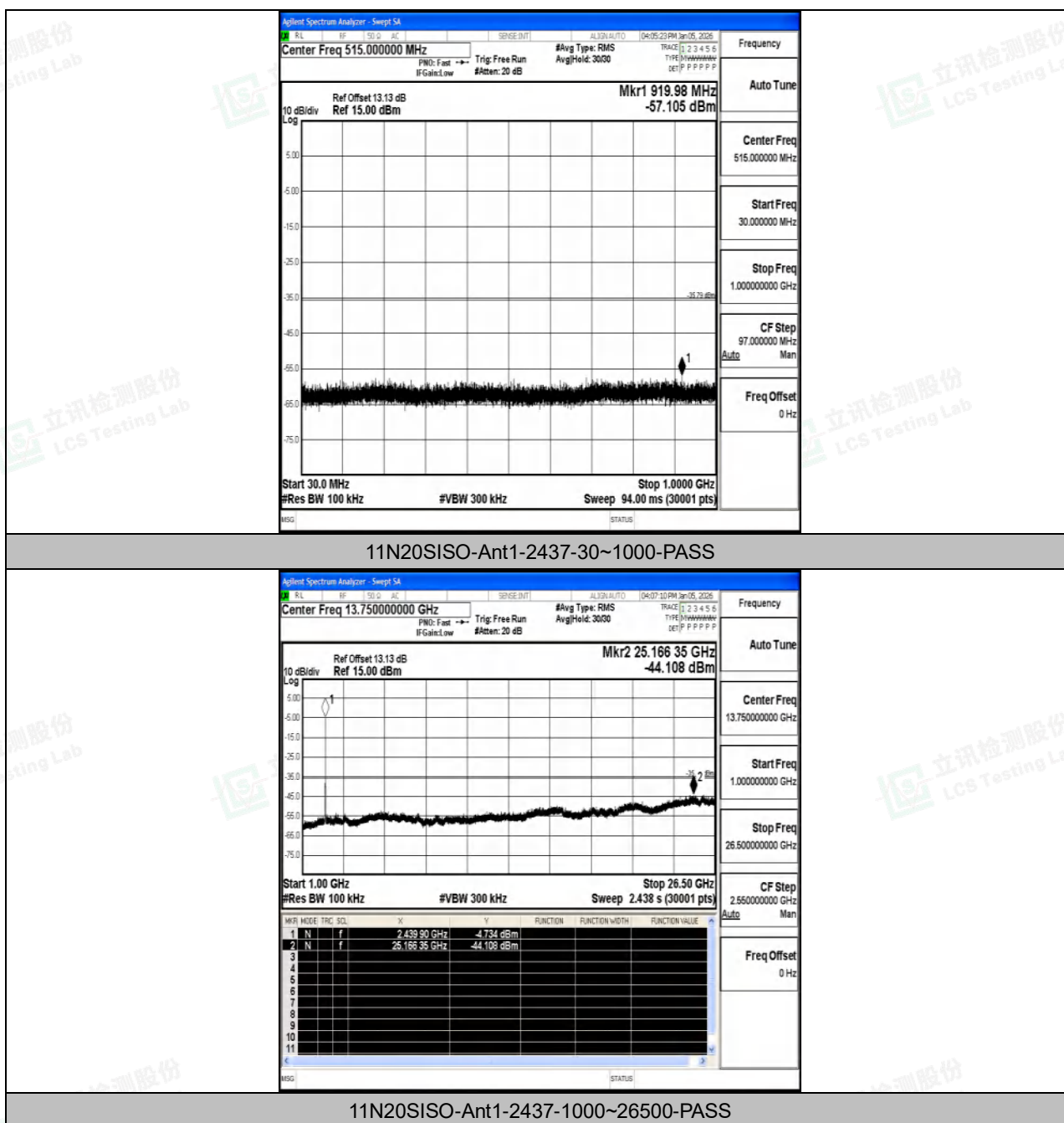


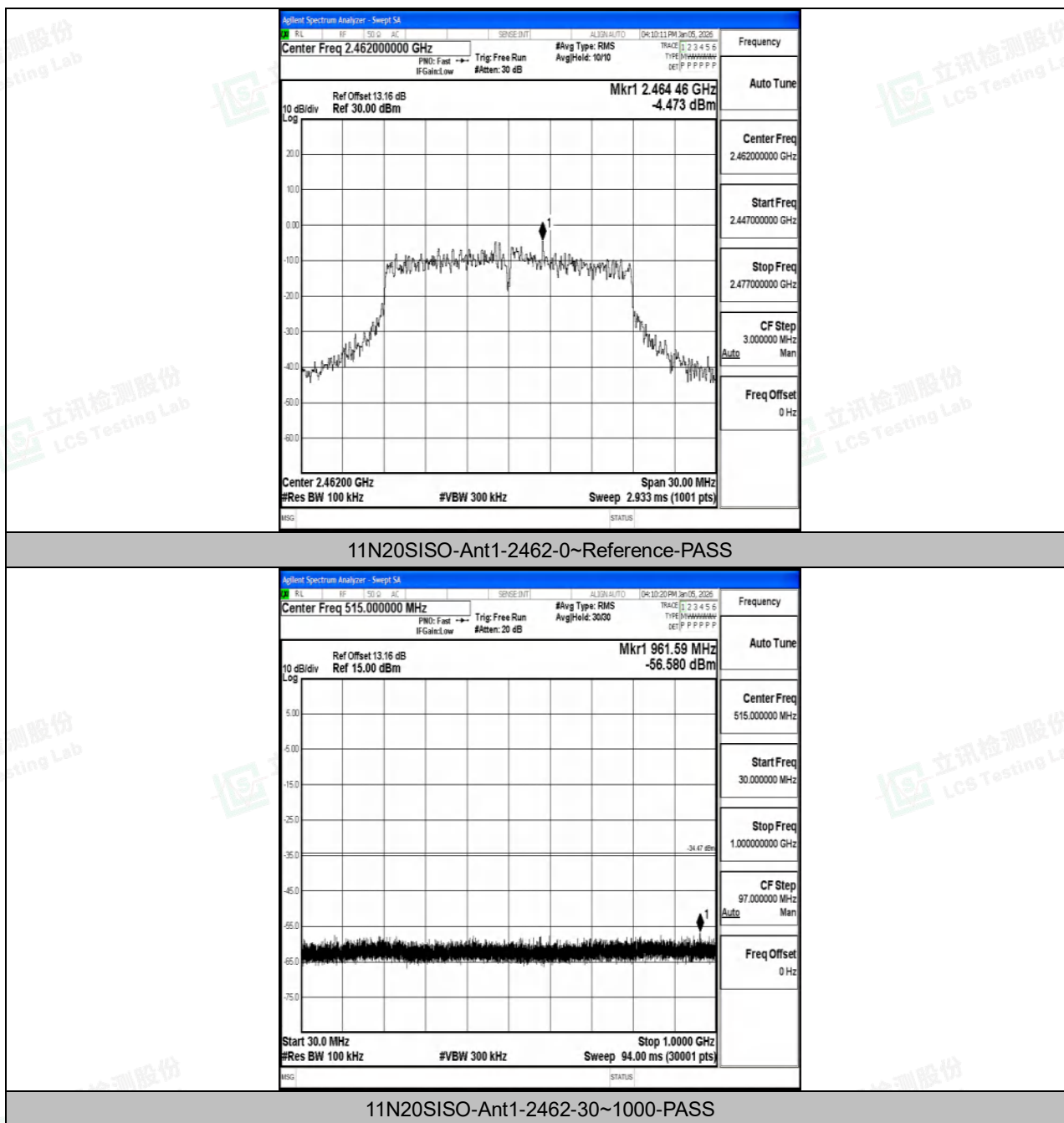
11N20SISO-Ant1-2412-1000~26500-PASS

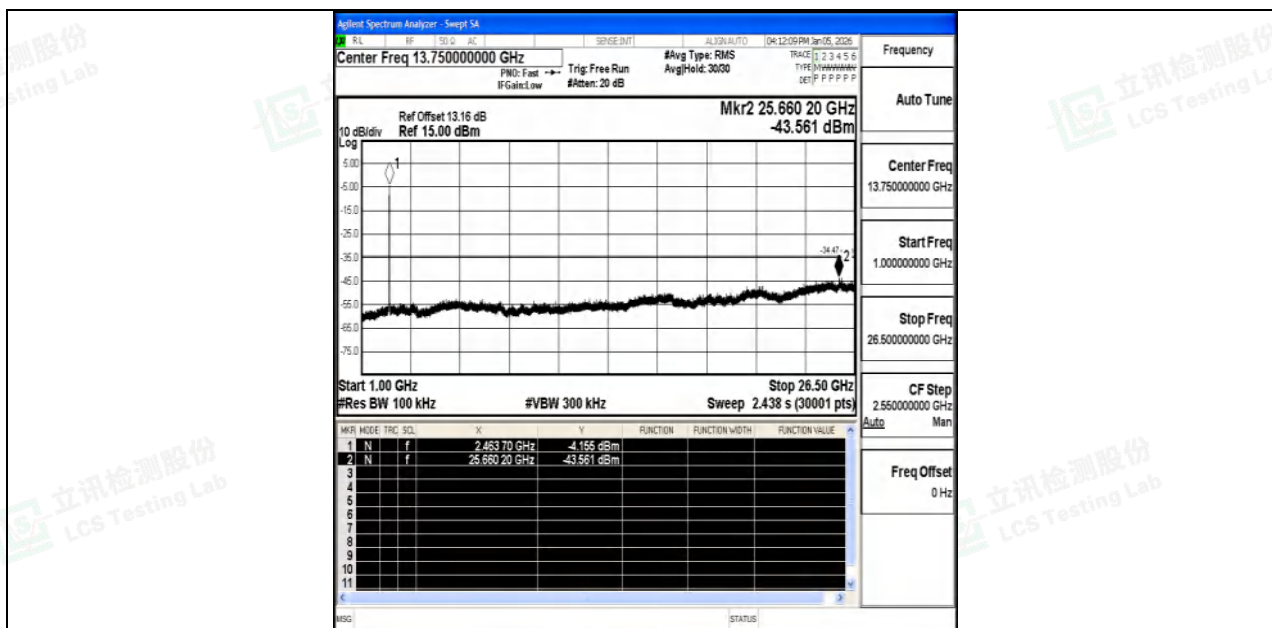


11N20SISO-Ant1-2437-0~Reference-PASS

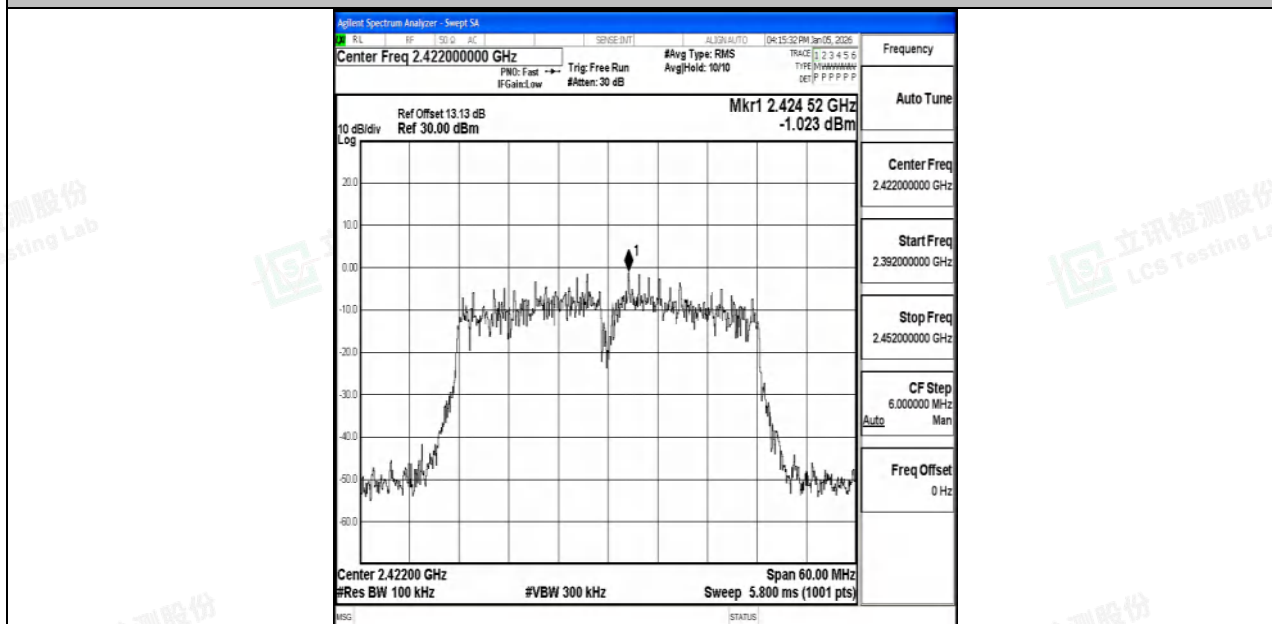






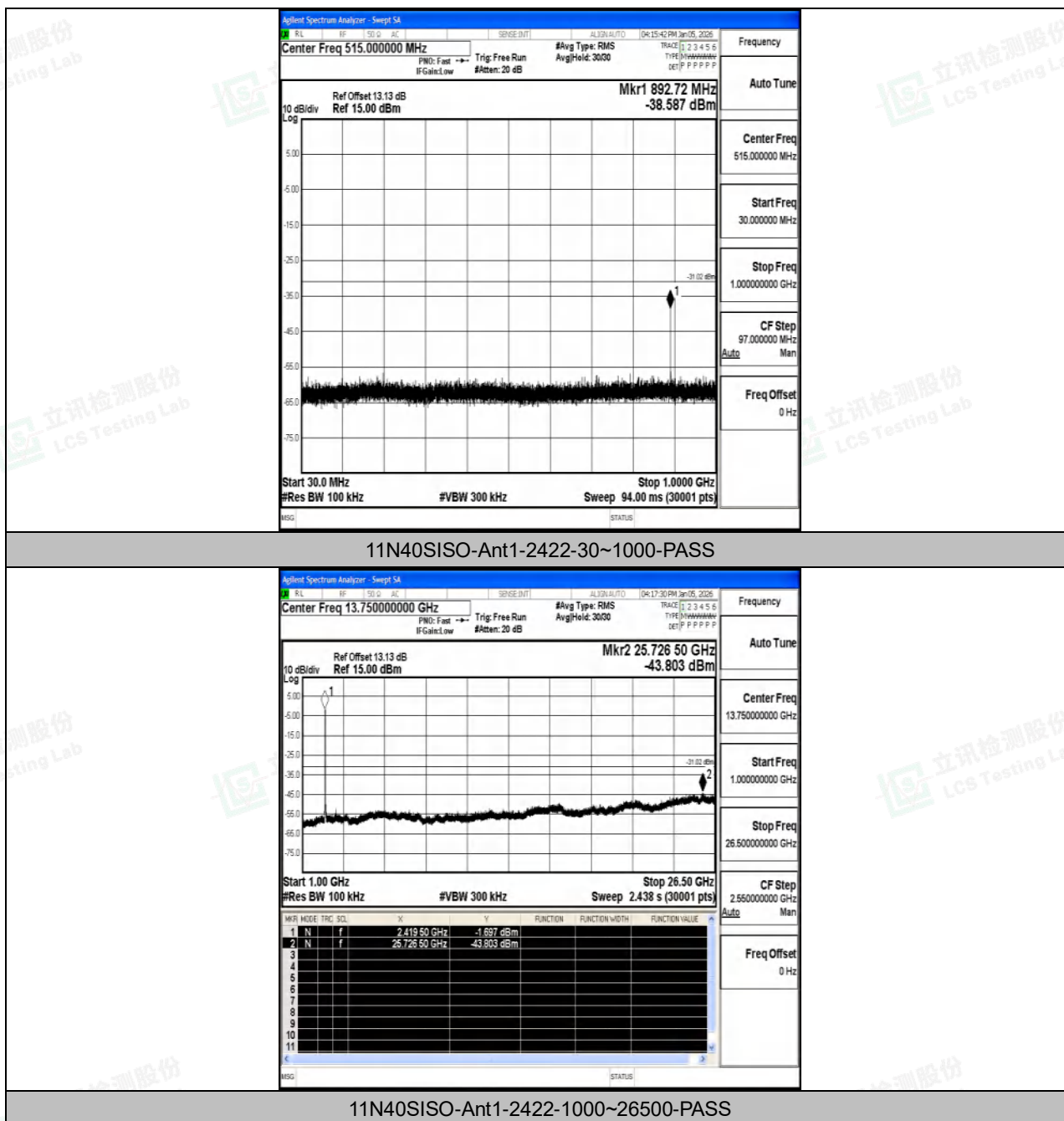


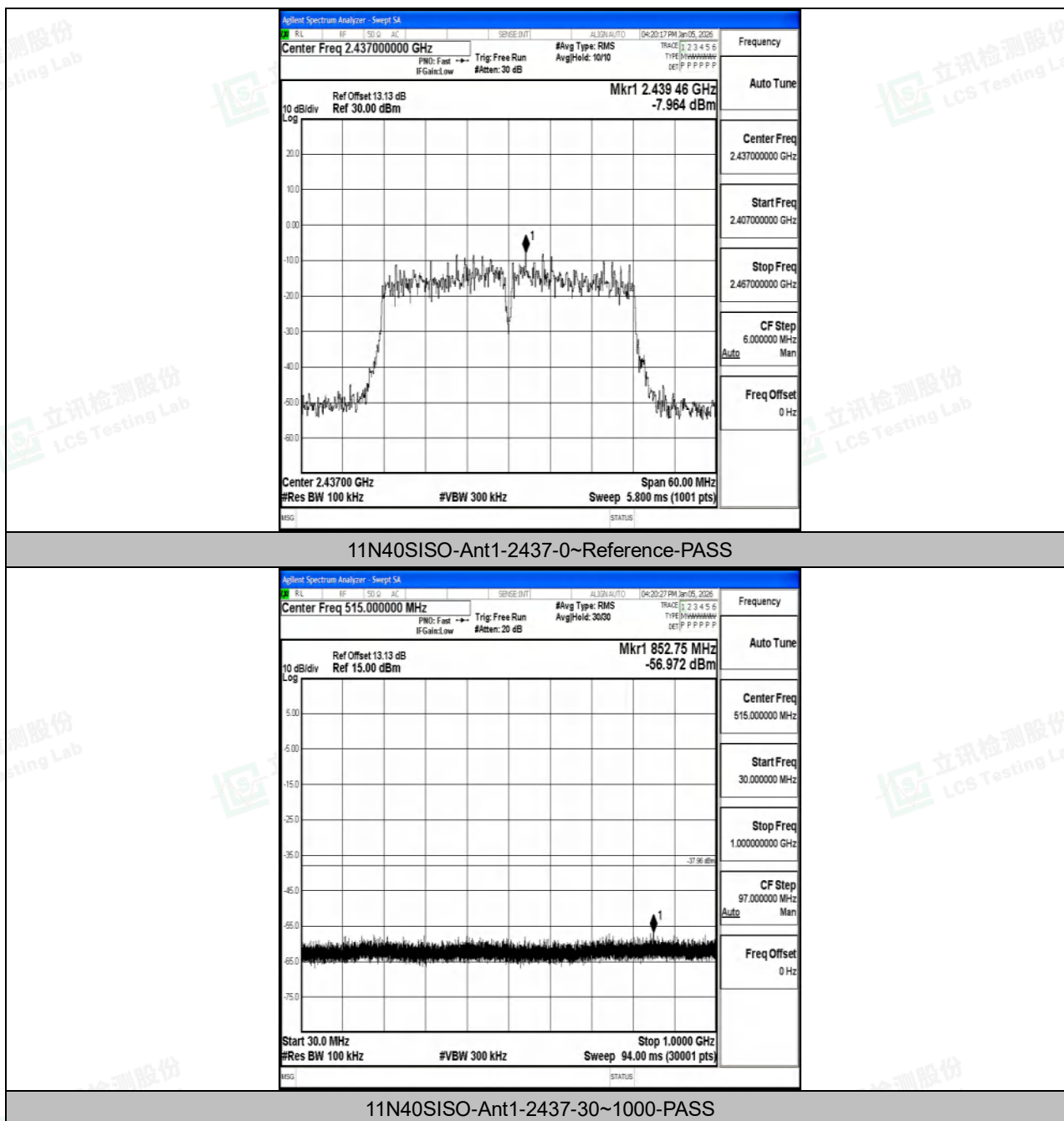
11N20SISO-Ant1-2462-1000~26500-PASS

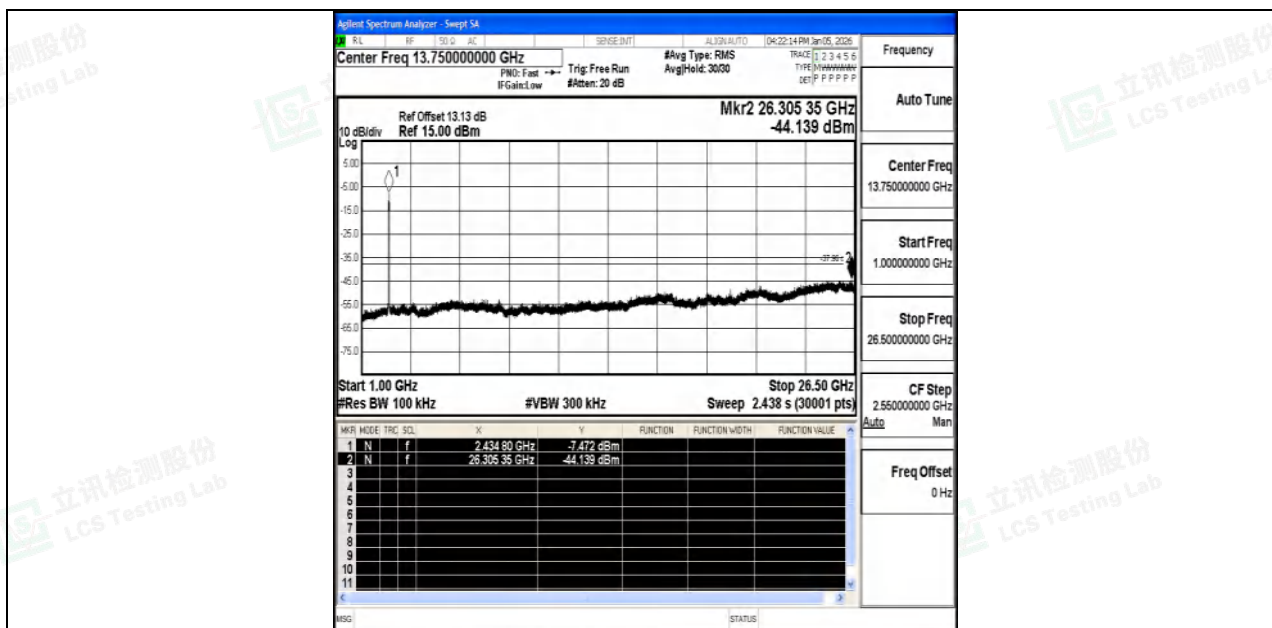


11N40SISO-Ant1-2422-0~Reference-PASS

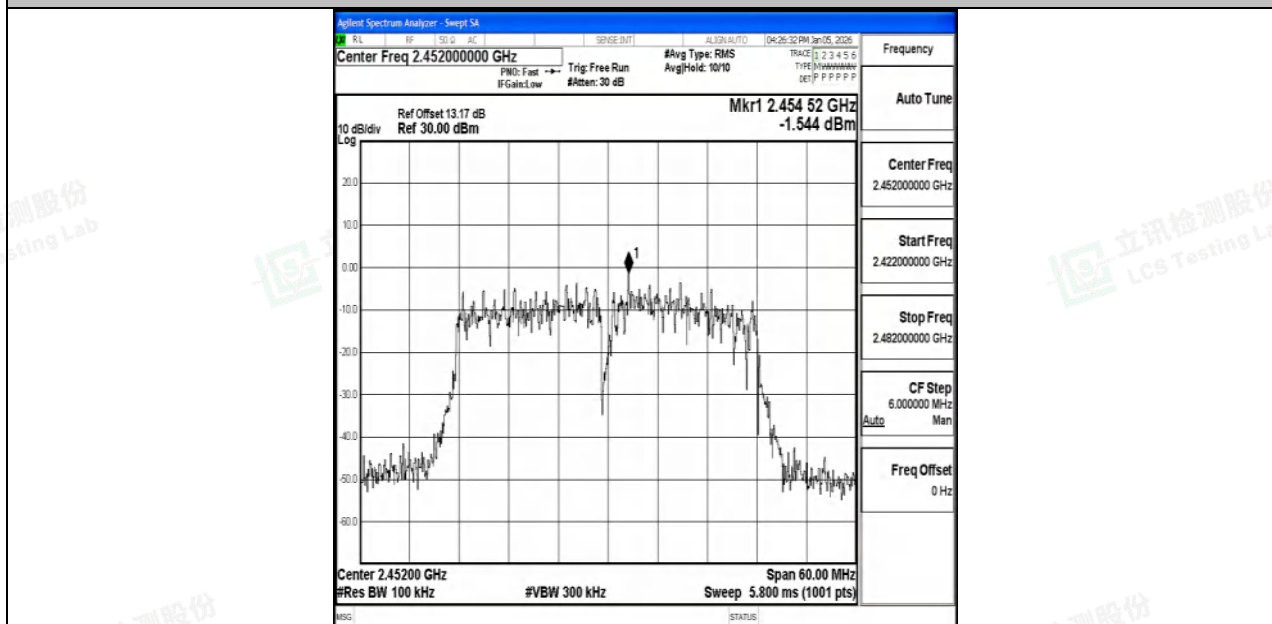






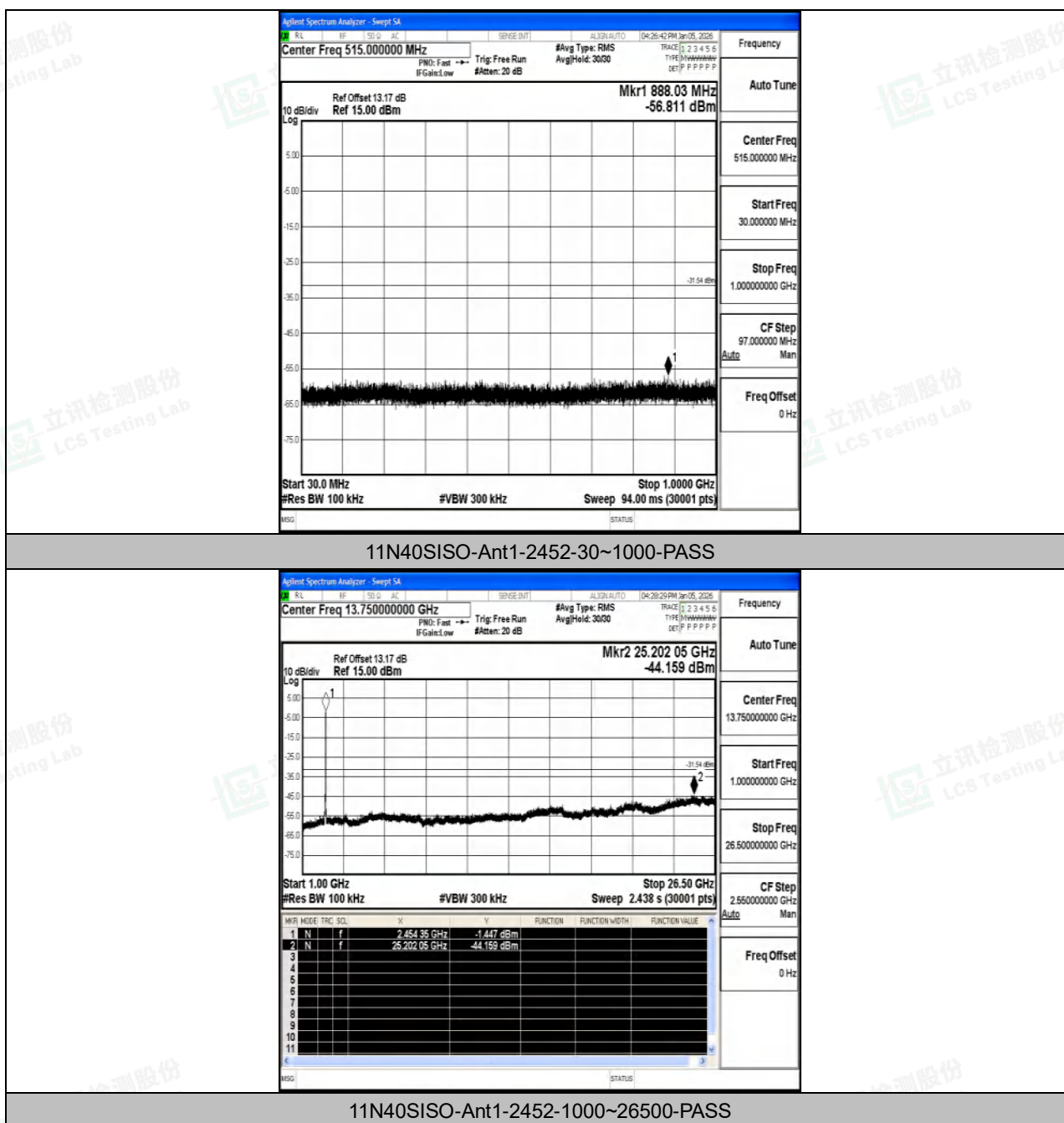


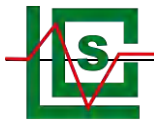
11N40SISO-Ant1-2437-1000~26500-PASS



11N40SISO-Ant1-2452-0~Reference-PASS







Test Result

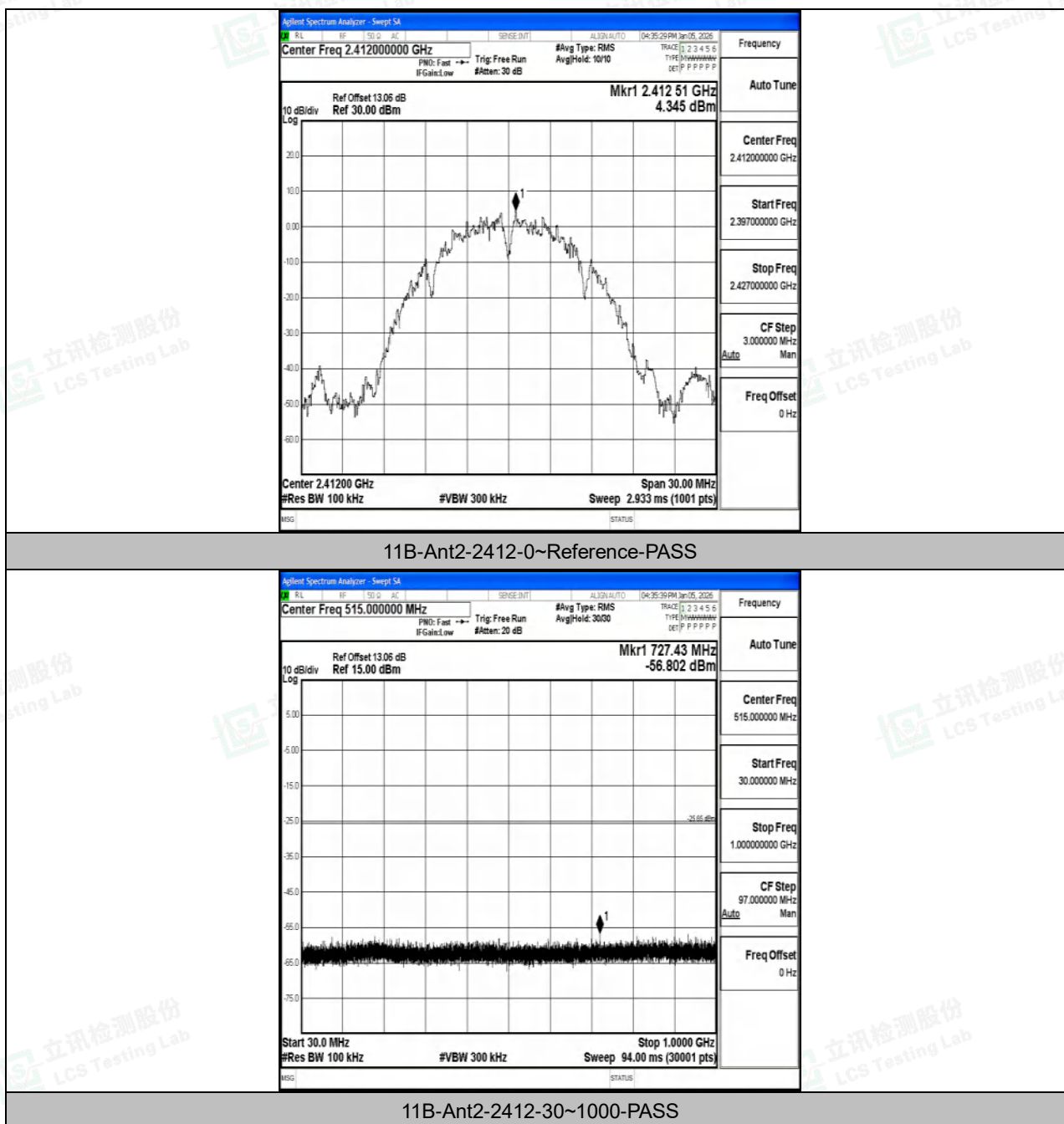
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant2	2412	0~Reference	4.35	4.35	---	PASS
11B	Ant2	2412	30~1000	4.35	-56.8	≤-25.65	PASS
11B	Ant2	2412	1000~26500	4.35	-43.42	≤-25.65	PASS
11B	Ant2	2437	0~Reference	4.50	4.50	---	PASS
11B	Ant2	2437	30~1000	4.50	-57.13	≤-25.5	PASS
11B	Ant2	2437	1000~26500	4.50	-44.83	≤-25.5	PASS
11B	Ant2	2462	0~Reference	4.55	4.55	---	PASS
11B	Ant2	2462	30~1000	4.55	-49.38	≤-25.45	PASS
11B	Ant2	2462	1000~26500	4.55	-44.45	≤-25.45	PASS
11G	Ant2	2412	0~Reference	-0.51	-0.51	---	PASS
11G	Ant2	2412	30~1000	-0.51	-56.3	≤-30.51	PASS
11G	Ant2	2412	1000~26500	-0.51	-44.05	≤-30.51	PASS
11G	Ant2	2437	0~Reference	-0.23	-0.23	---	PASS
11G	Ant2	2437	30~1000	-0.23	-56.26	≤-30.23	PASS
11G	Ant2	2437	1000~26500	-0.23	-43.84	≤-30.23	PASS
11G	Ant2	2462	0~Reference	0.83	0.83	---	PASS
11G	Ant2	2462	30~1000	0.83	-55.16	≤-29.17	PASS
11G	Ant2	2462	1000~26500	0.83	-44.34	≤-29.17	PASS
11N20SISO	Ant2	2412	0~Reference	-3.60	-3.60	---	PASS
11N20SISO	Ant2	2412	30~1000	-3.60	-57.43	≤-33.6	PASS
11N20SISO	Ant2	2412	1000~26500	-3.60	-44.78	≤-33.6	PASS
11N20SISO	Ant2	2437	0~Reference	-5.54	-5.54	---	PASS
11N20SISO	Ant2	2437	30~1000	-5.54	-49.62	≤-35.54	PASS
11N20SISO	Ant2	2437	1000~26500	-5.54	-43.94	≤-35.54	PASS
11N20SISO	Ant2	2462	0~Reference	-6.02	-6.02	---	PASS
11N20SISO	Ant2	2462	30~1000	-6.02	-57.25	≤-36.02	PASS
11N20SISO	Ant2	2462	1000~26500	-6.02	-44.04	≤-36.02	PASS
11N40SISO	Ant2	2422	0~Reference	-1.29	-1.29	---	PASS
11N40SISO	Ant2	2422	30~1000	-1.29	-56.24	≤-31.29	PASS
11N40SISO	Ant2	2422	1000~26500	-1.29	-44.17	≤-31.29	PASS
11N40SISO	Ant2	2437	0~Reference	-7.51	-7.51	---	PASS
11N40SISO	Ant2	2437	30~1000	-7.51	-57.33	≤-37.51	PASS
11N40SISO	Ant2	2437	1000~26500	-7.51	-44.08	≤-37.51	PASS
11N40SISO	Ant2	2452	0~Reference	-1.85	-1.85	---	PASS
11N40SISO	Ant2	2452	30~1000	-1.85	-57.38	≤-31.85	PASS
11N40SISO	Ant2	2452	1000~26500	-1.85	-44.32	≤-31.85	PASS

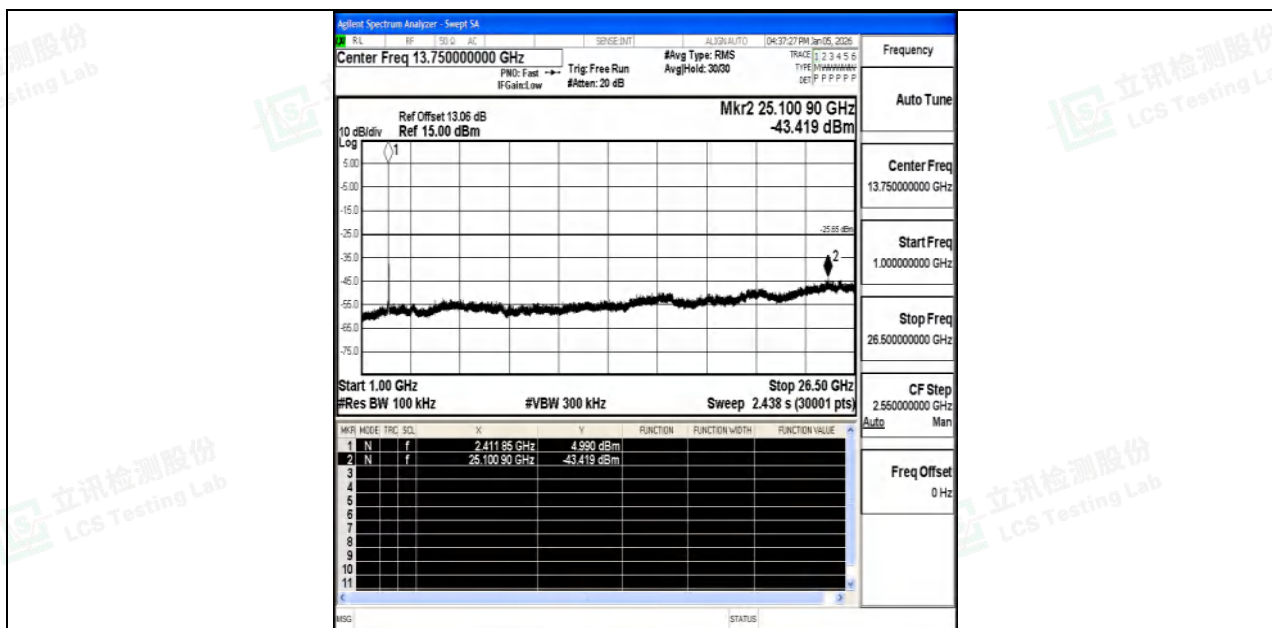
Note :Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the CORREC' of the Spectrum Analyzer during the test.



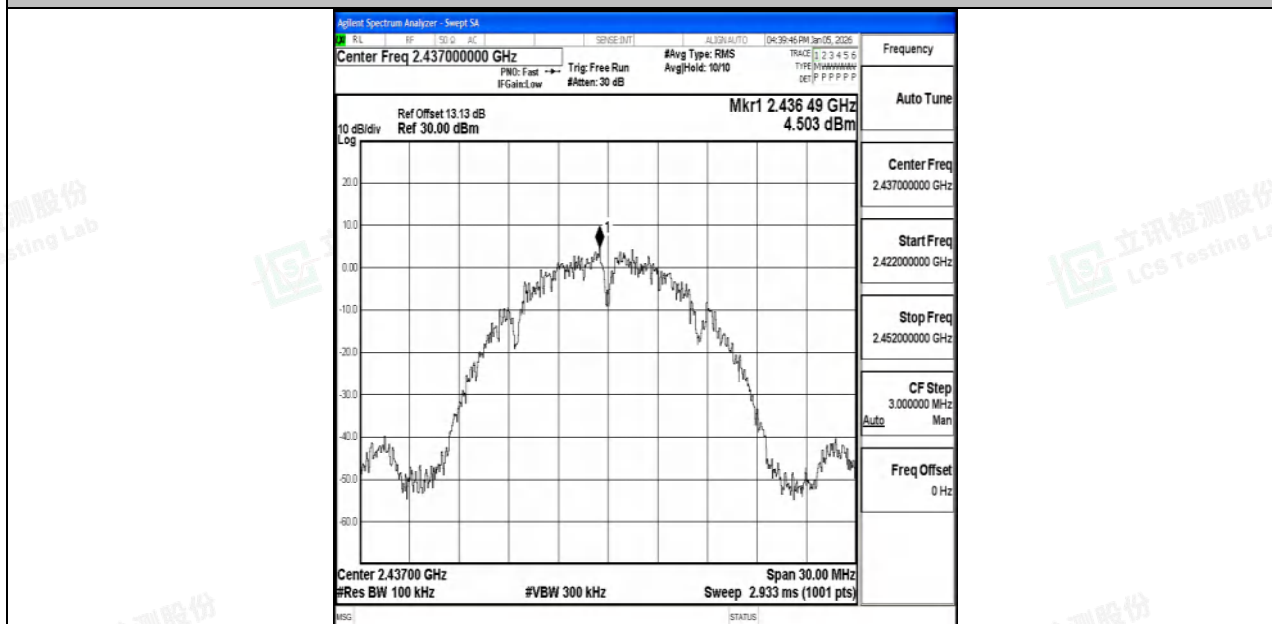


Test Graphs



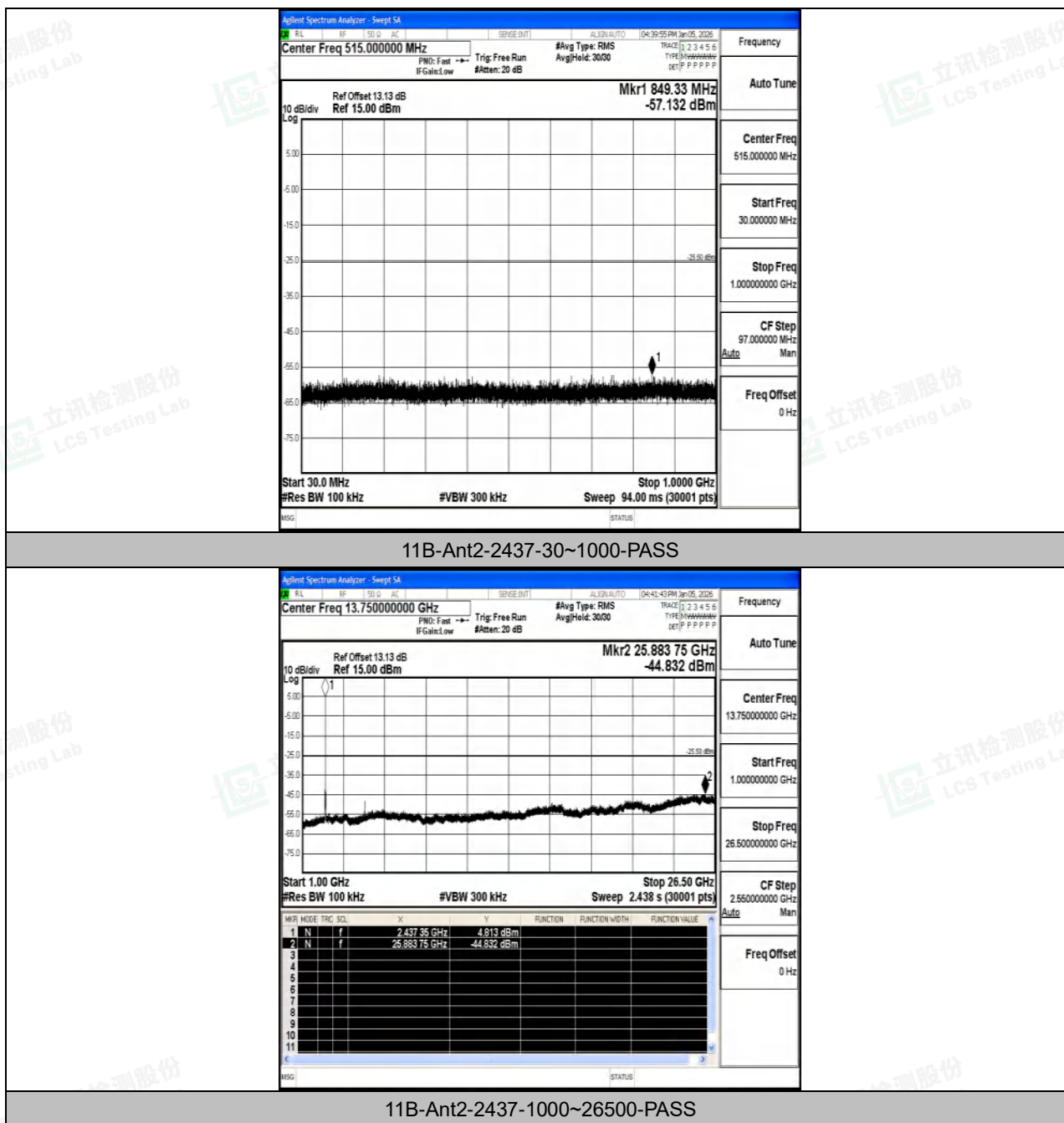


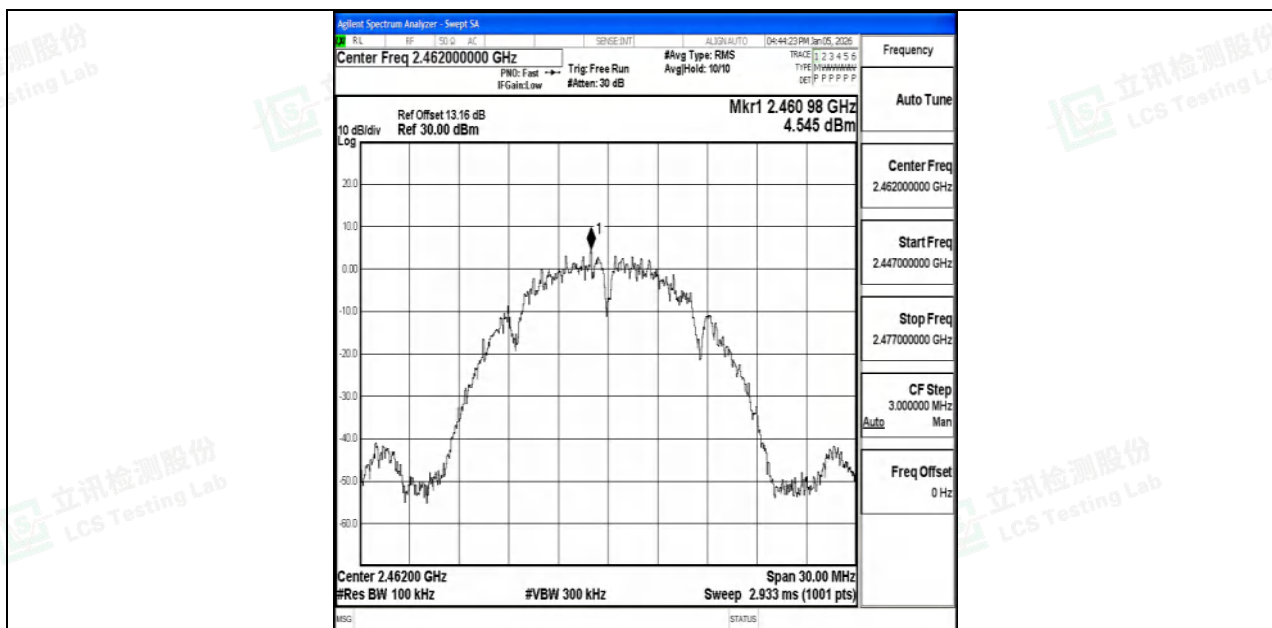
11B-Ant2-2412-1000~26500-PASS



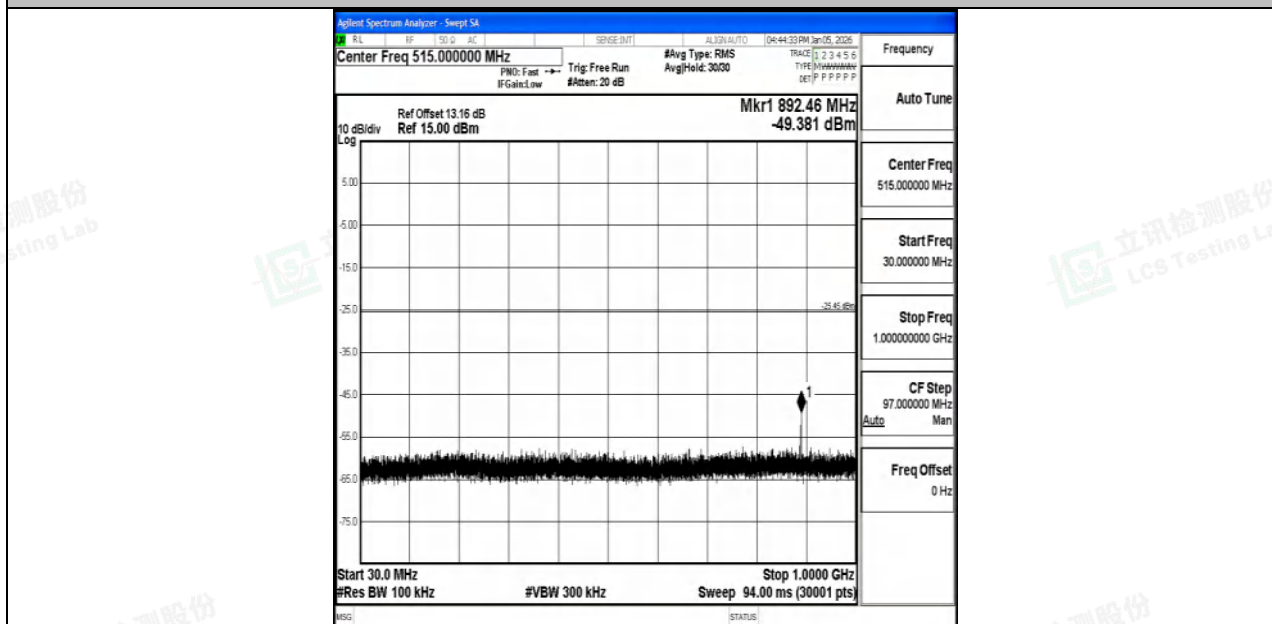
11B-Ant2-2437-0~Reference-PASS





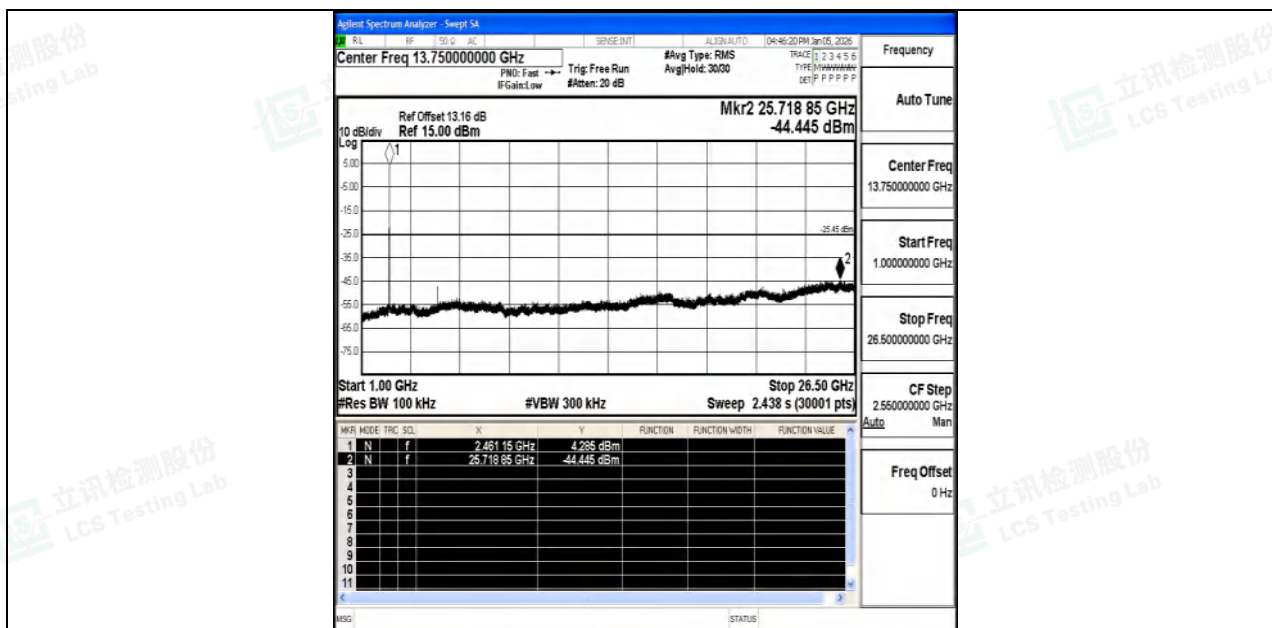


11B-Ant2-2462-0~Reference-PASS

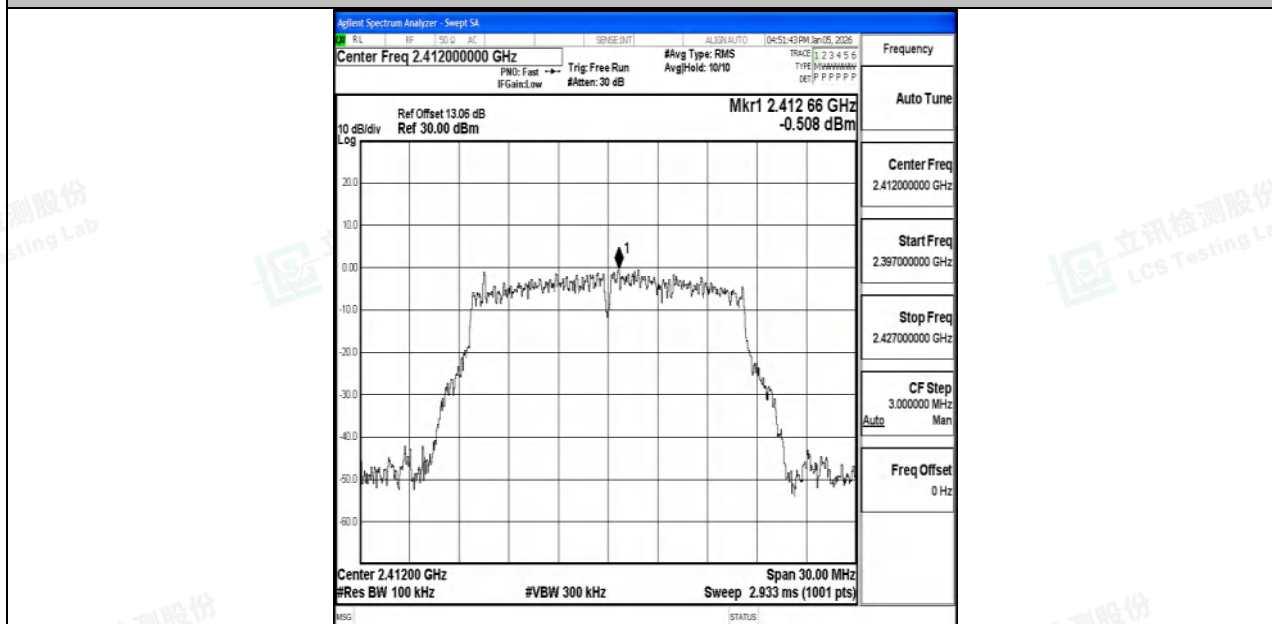


11B-Ant2-2462-30~1000-PASS



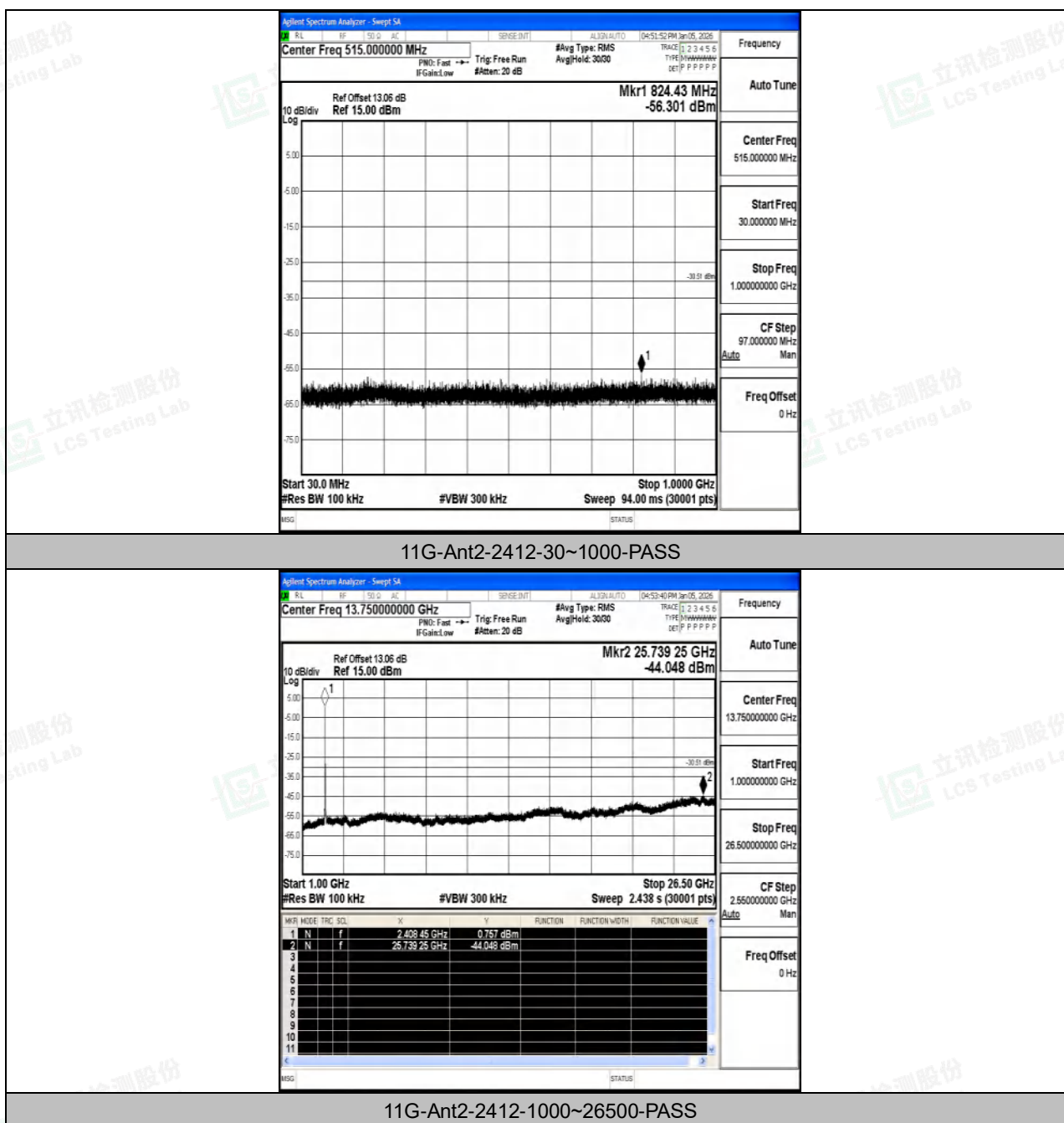


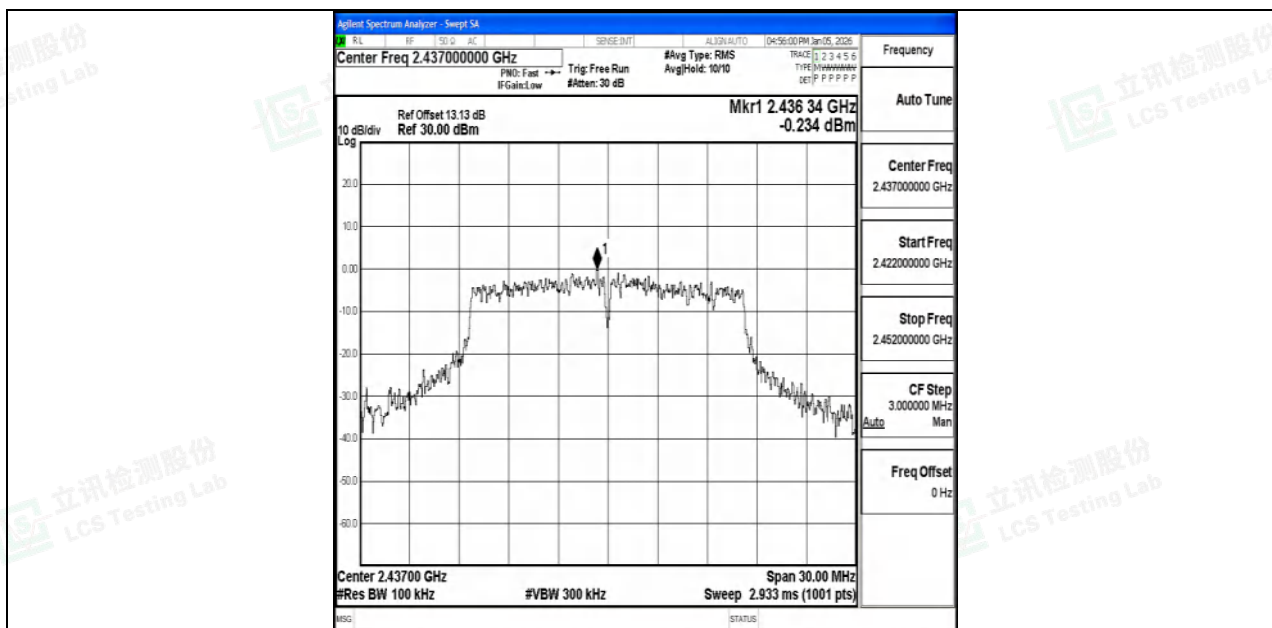
11B-Ant2-2462-1000~26500-PASS



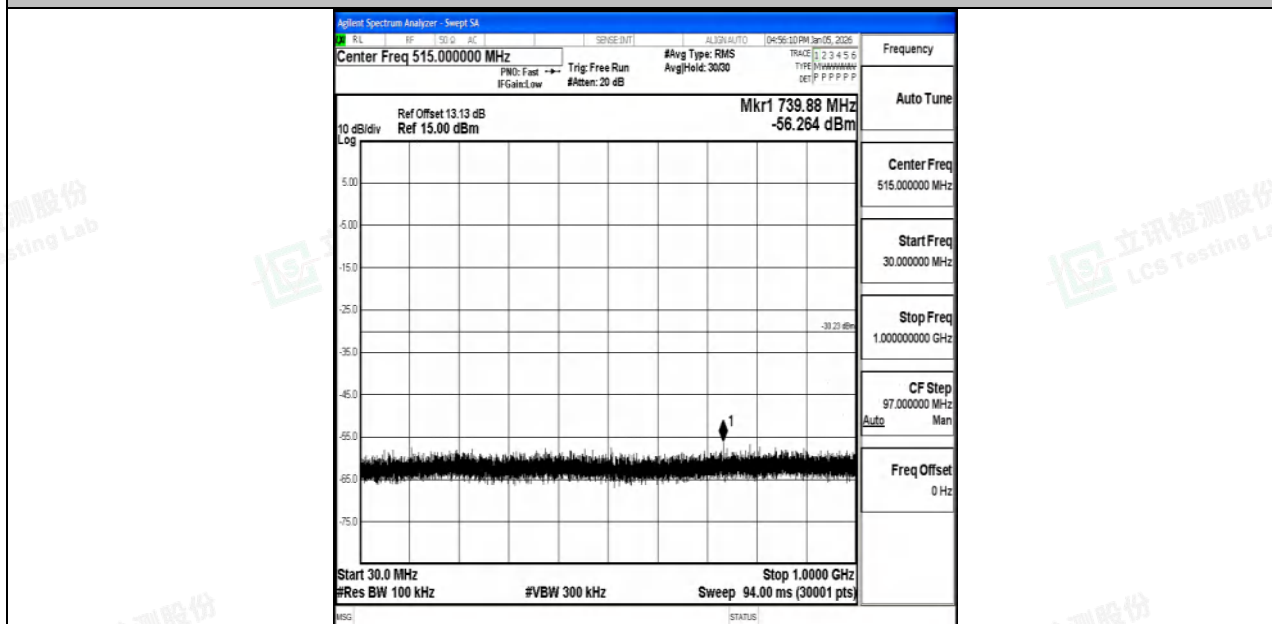
11G-Ant2-2412-0~Reference-PASS





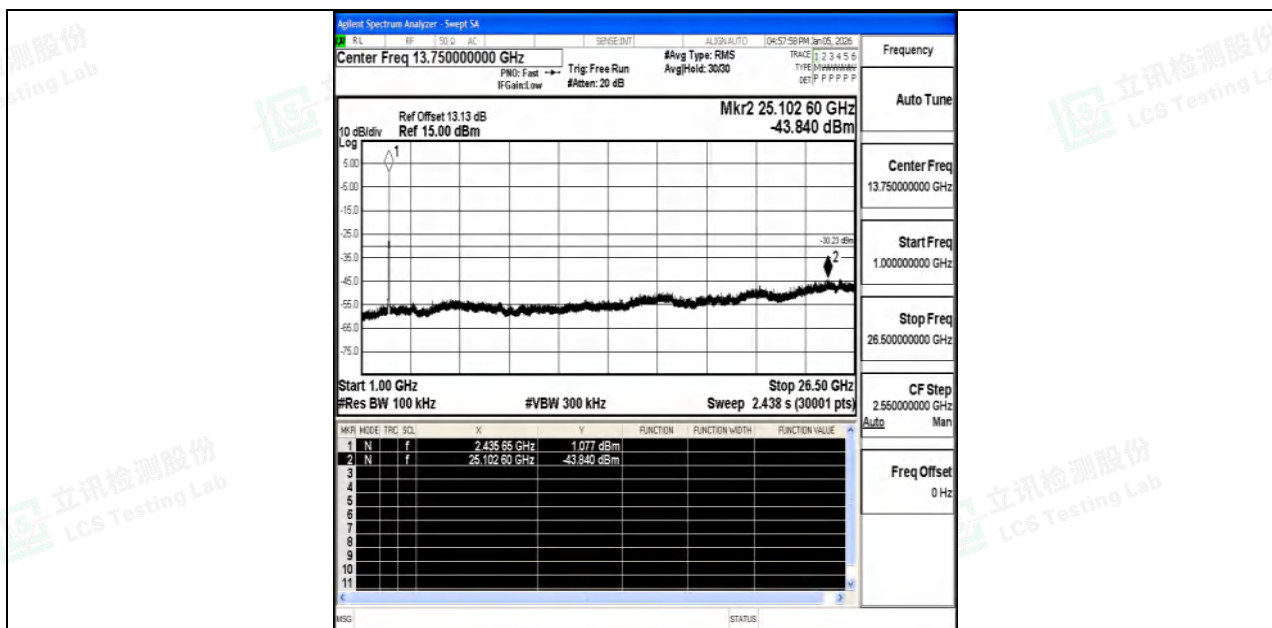


11G-Ant2-2437-0~Reference-PASS

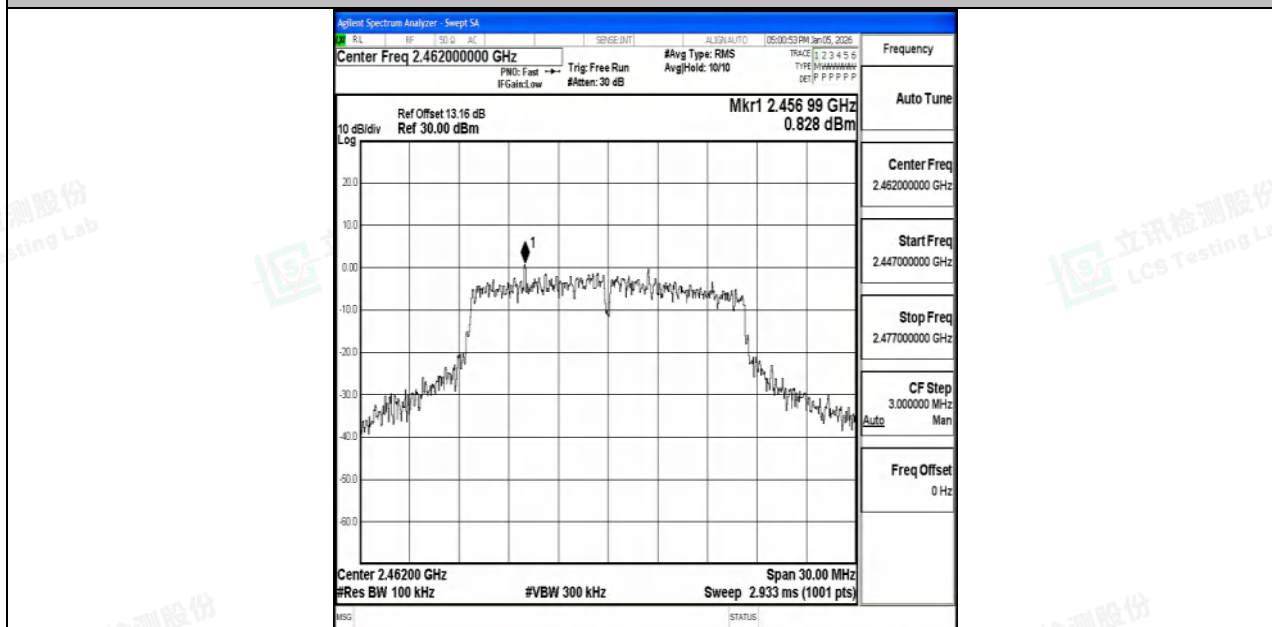


11G-Ant2-2437-30~1000-PASS



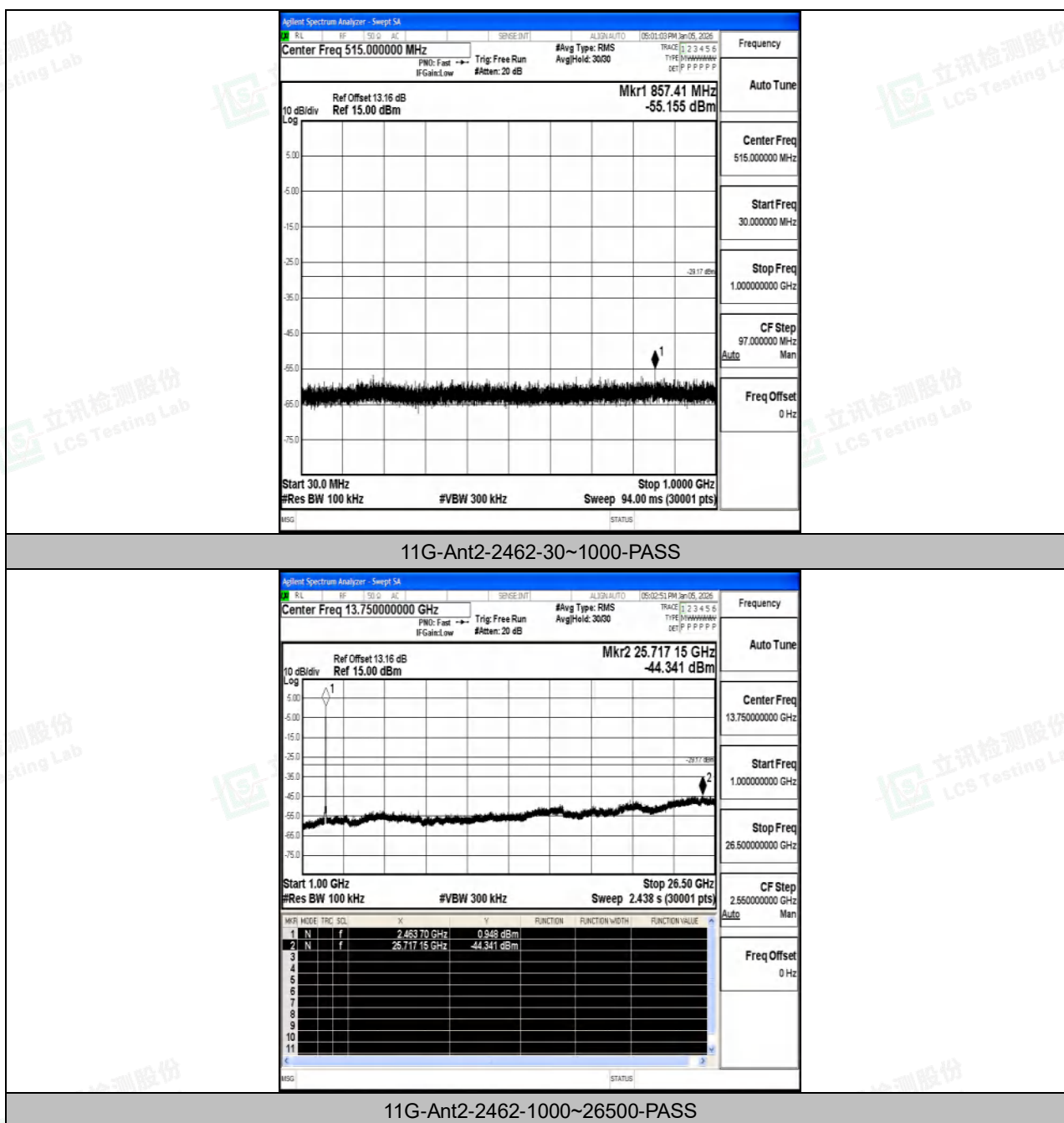


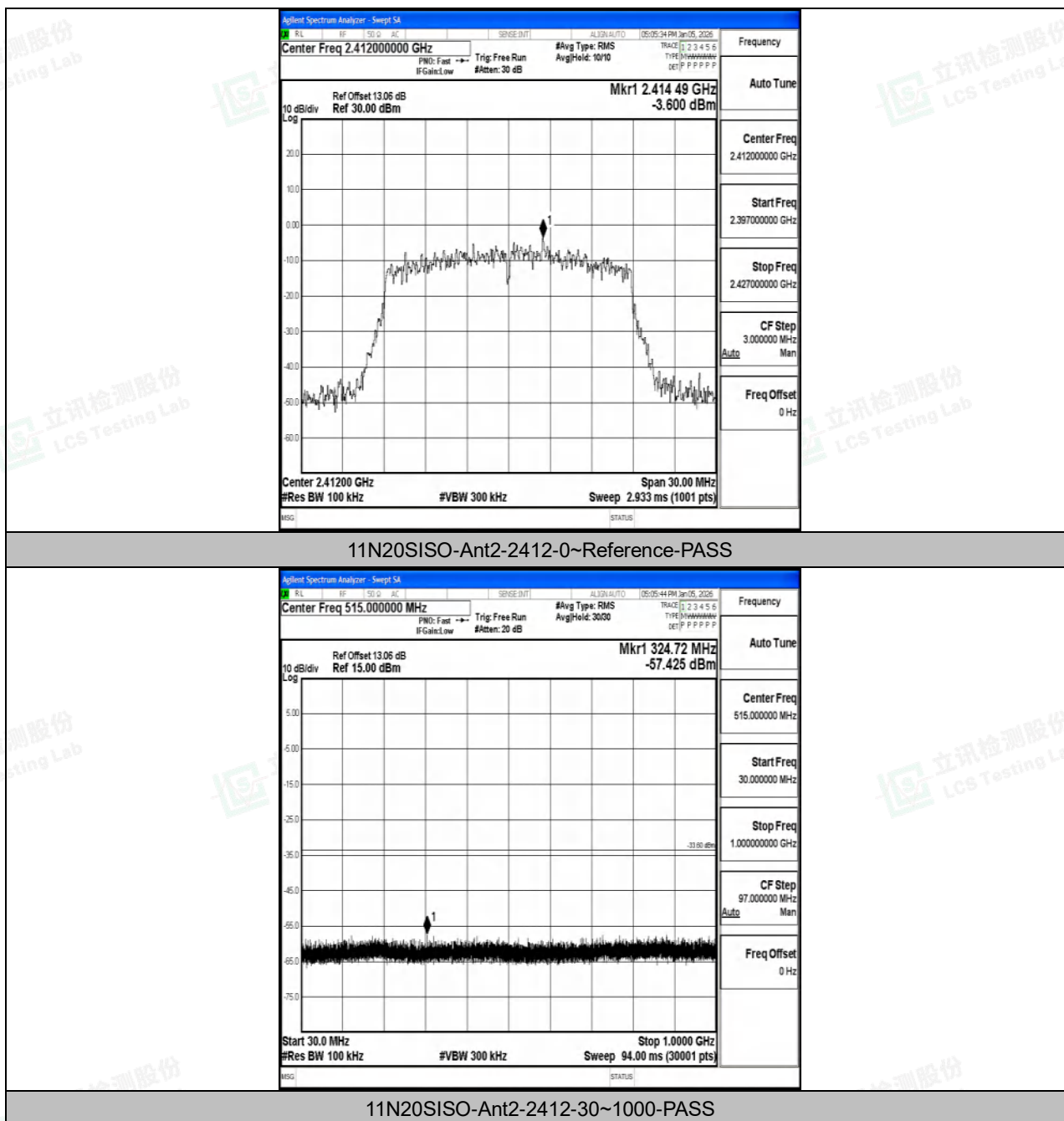
11G-Ant2-2437-1000~26500-PASS

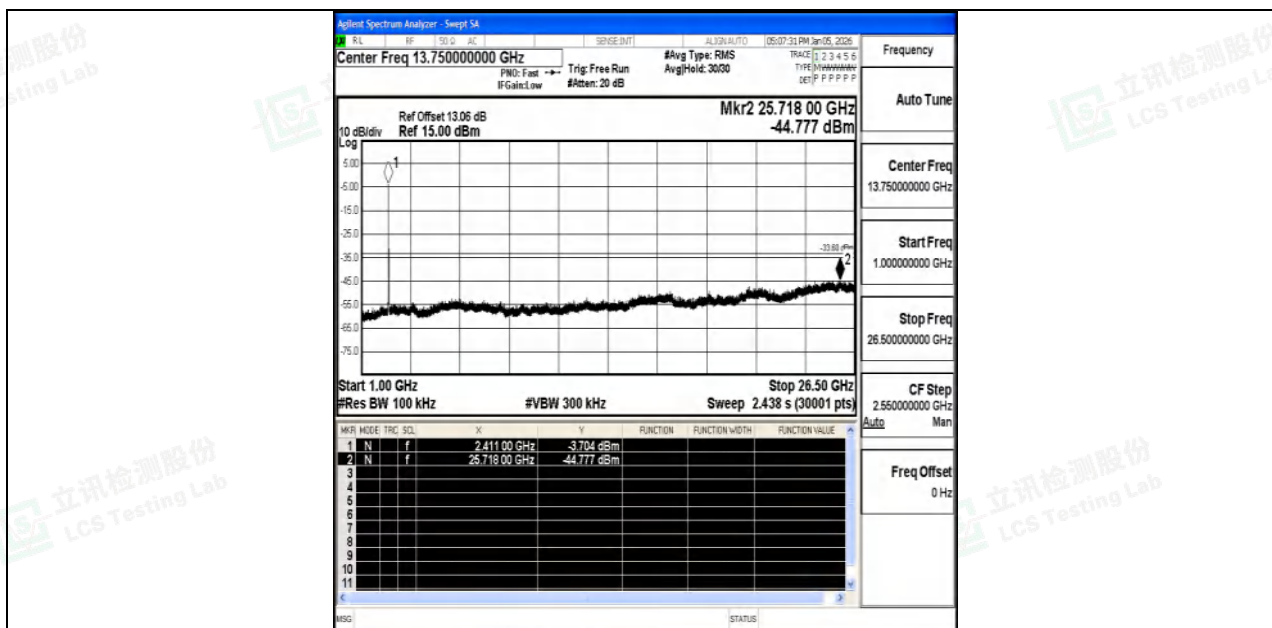


11G-Ant2-2462-0~Reference-PASS

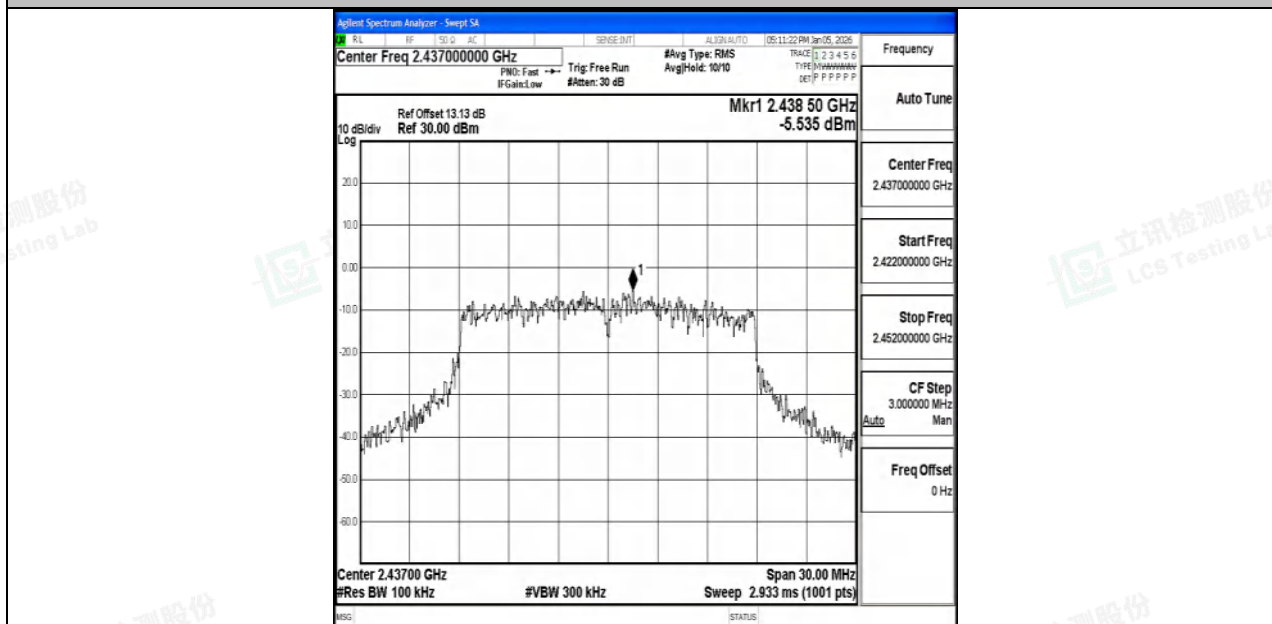






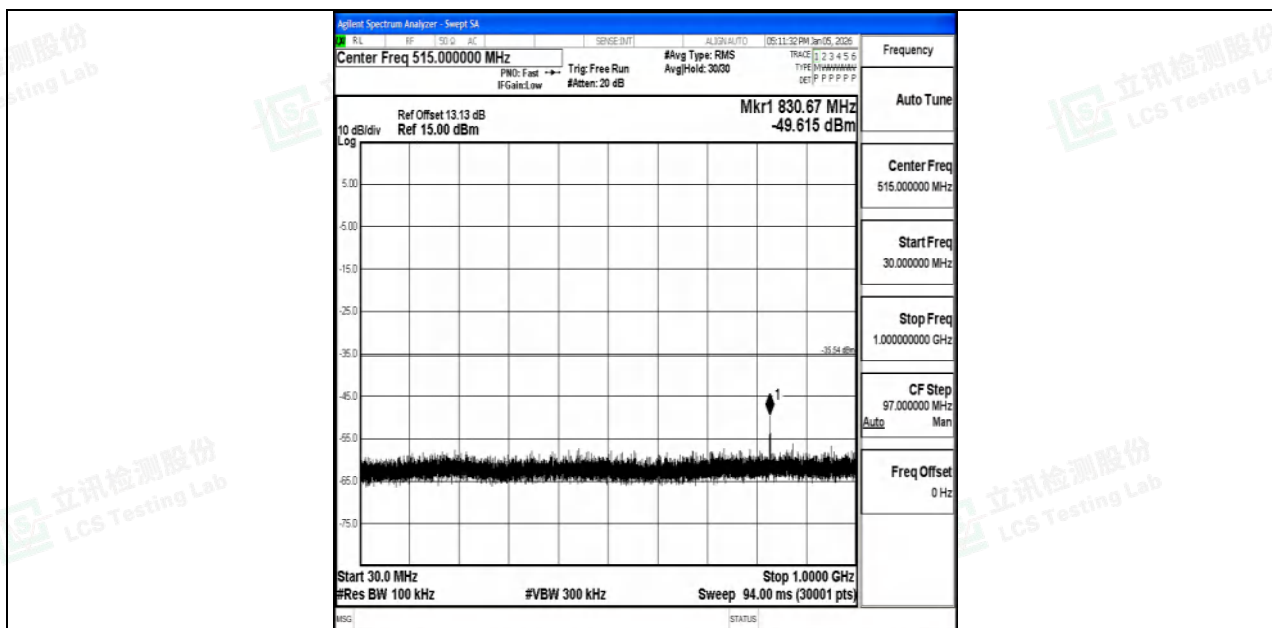


11N20SISO-Ant2-2412-1000~26500-PASS

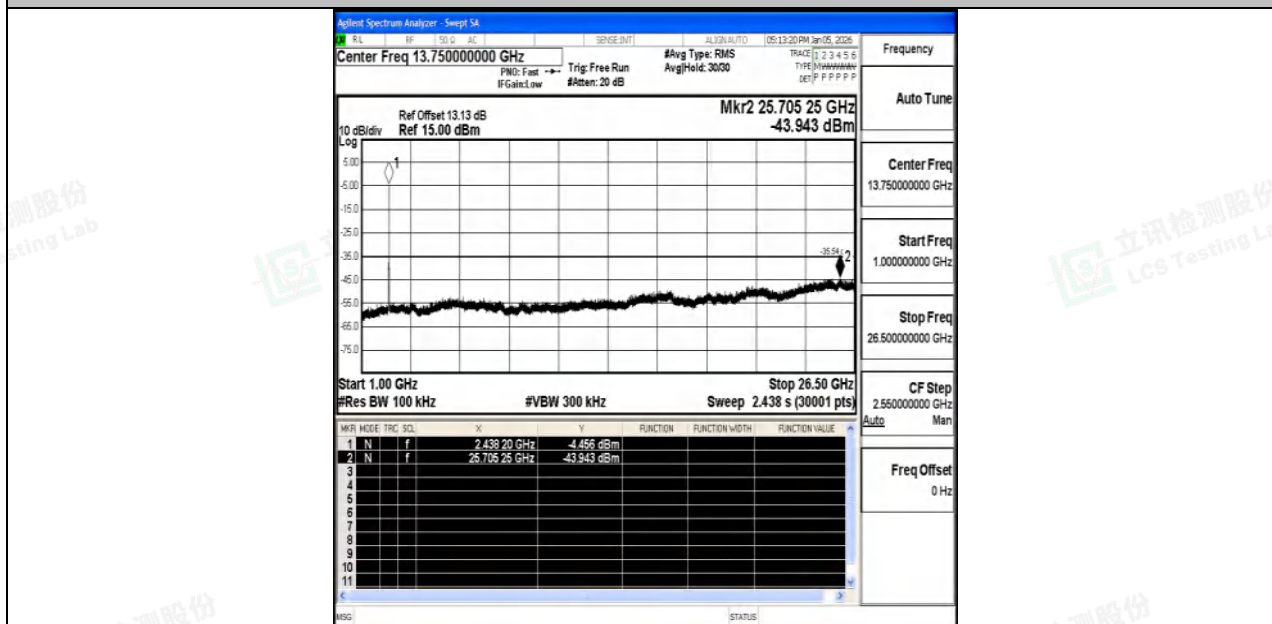


11N20SISO-Ant2-2437-0~Reference-PASS



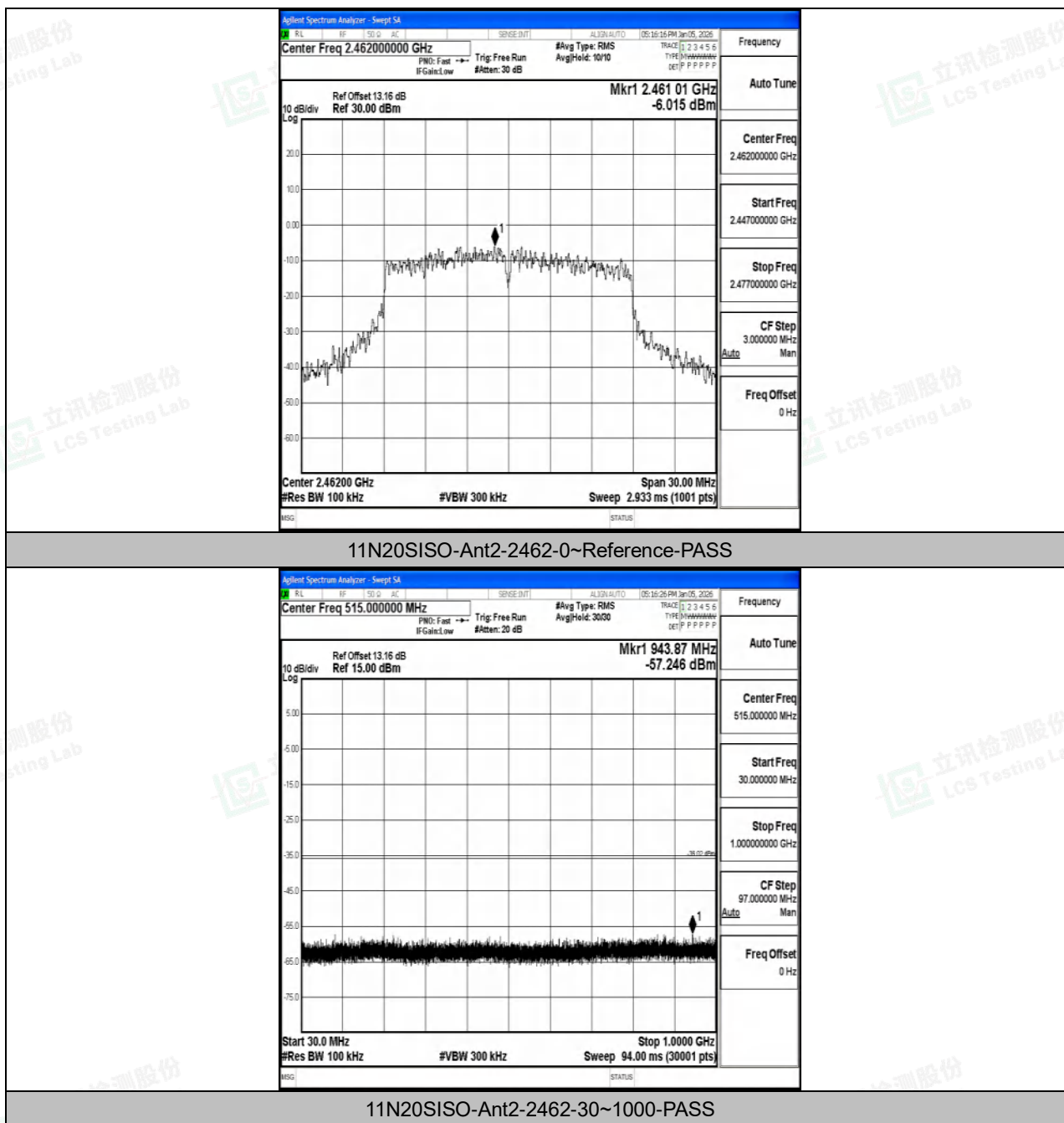


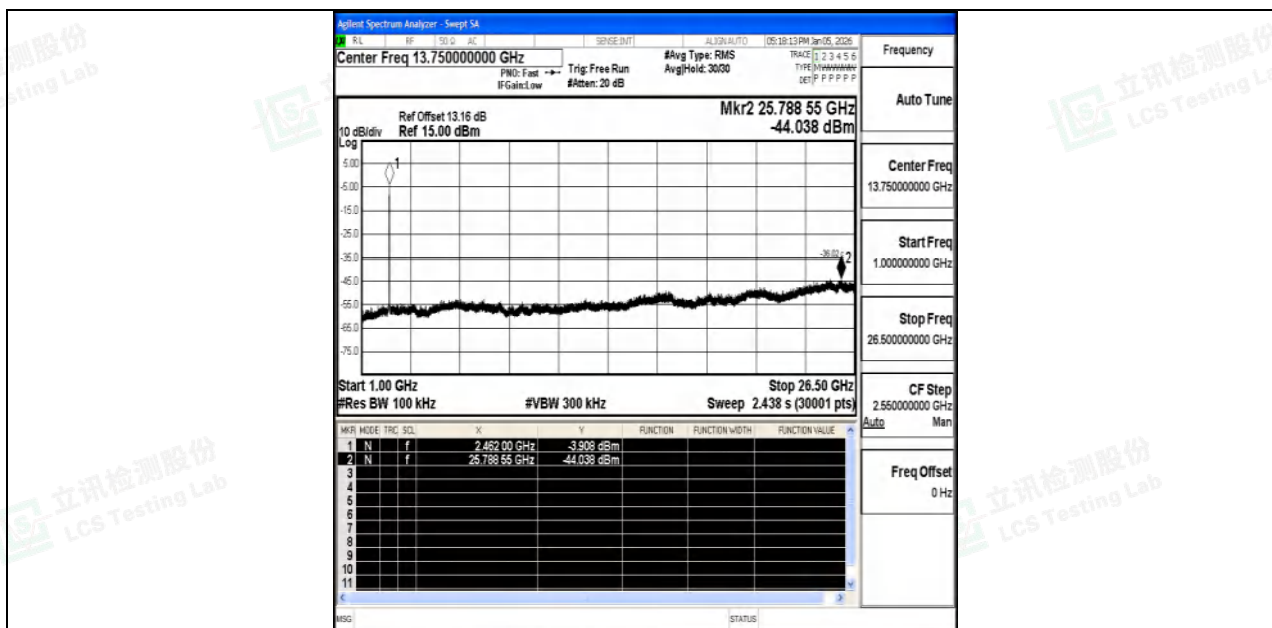
11N20SISO-Ant2-2437-30~1000-PASS



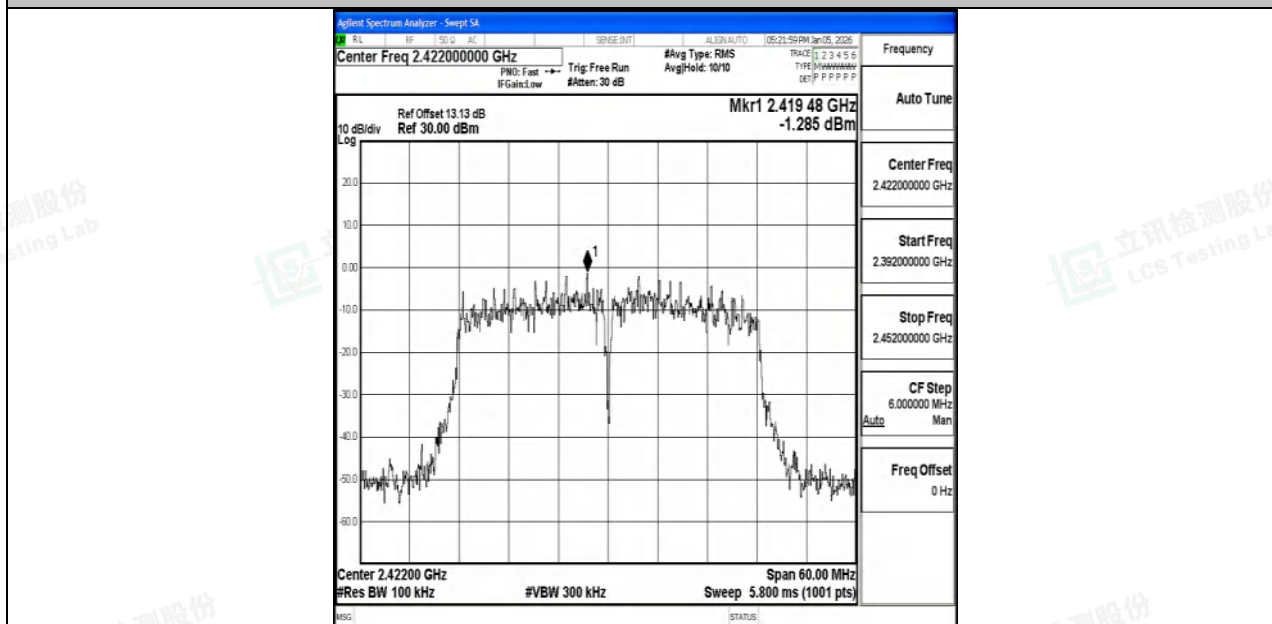
11N20SISO-Ant2-2437-1000~26500-PASS





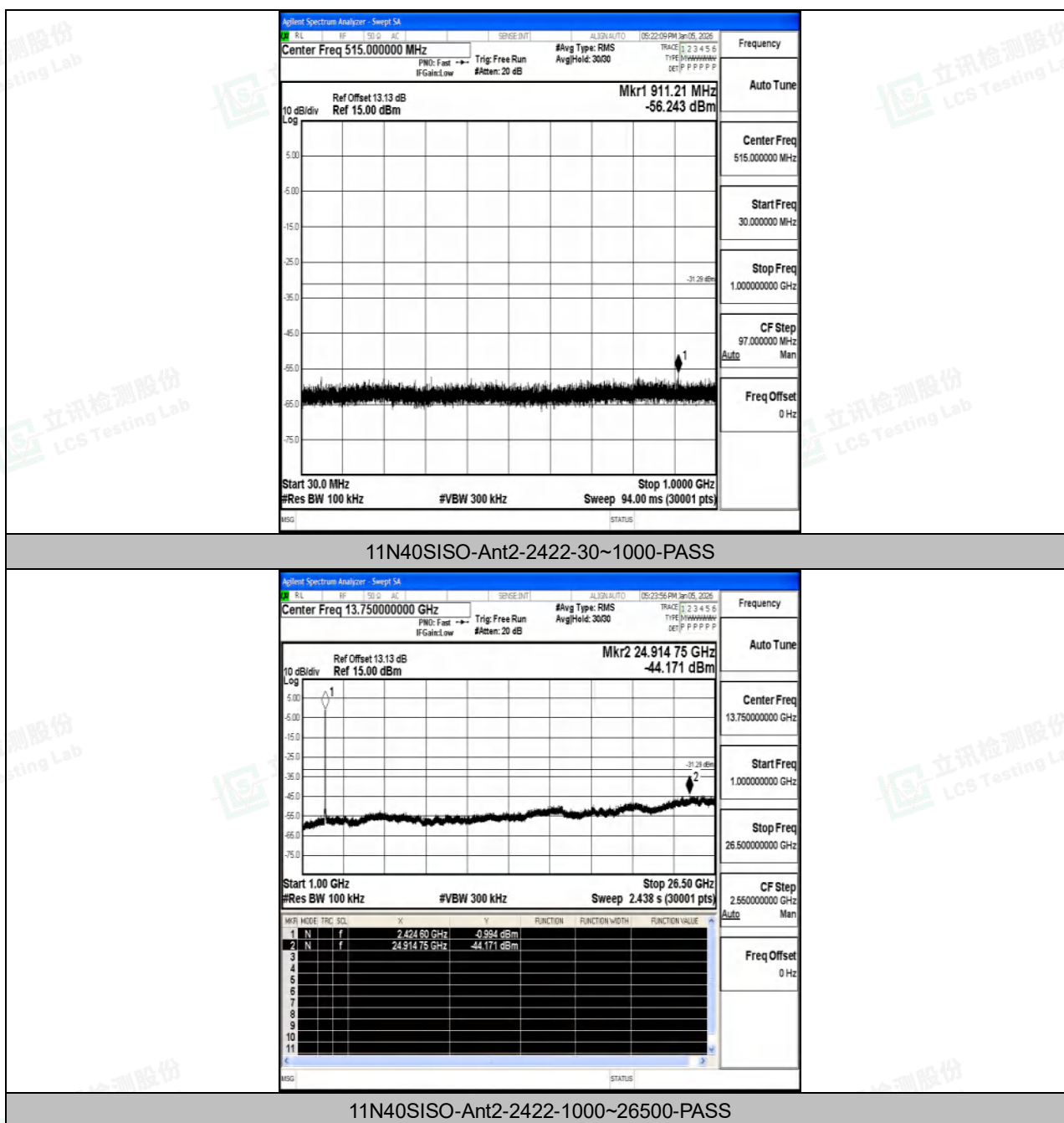


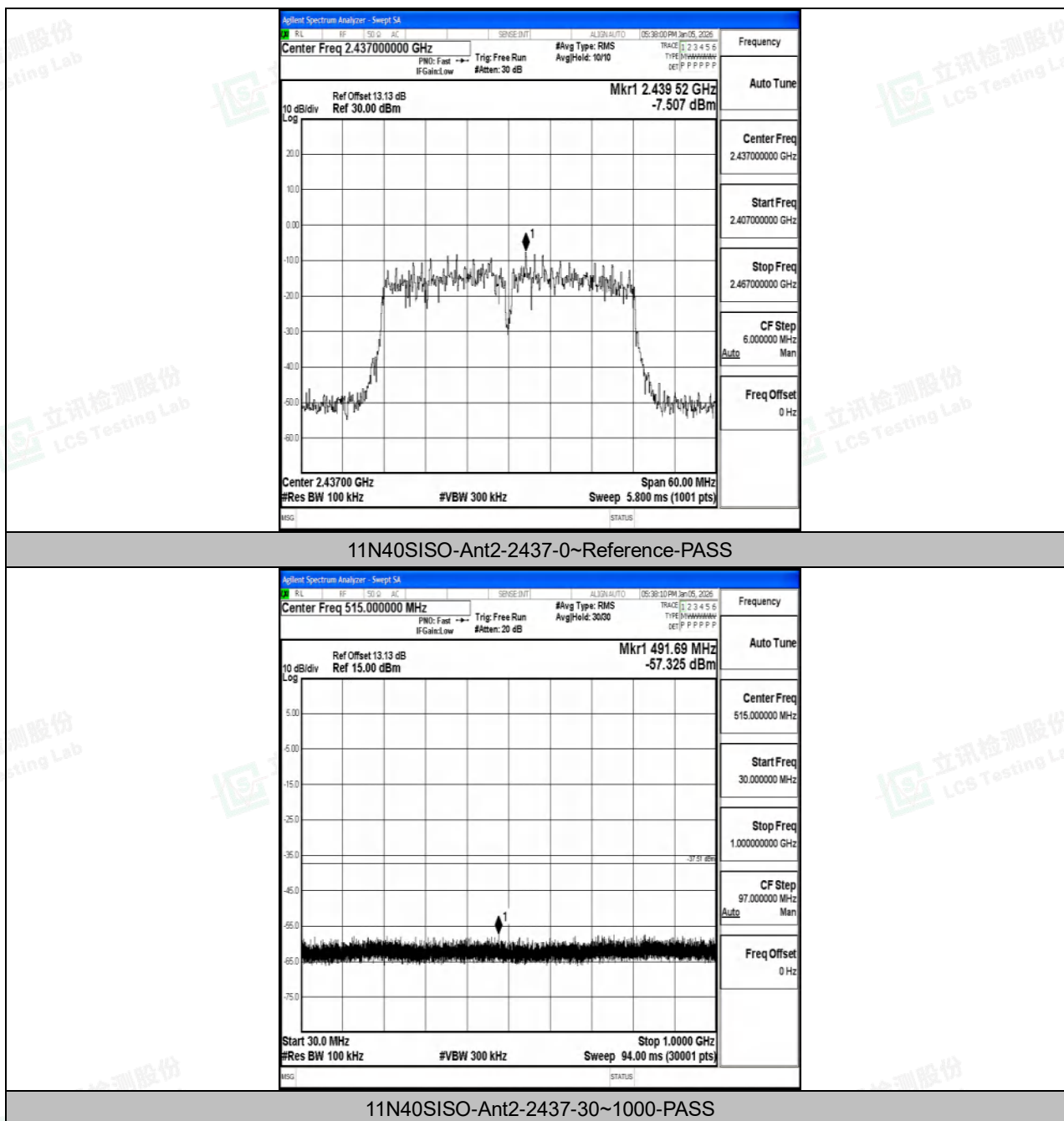
11N20SISO-Ant2-2462-1000~26500-PASS

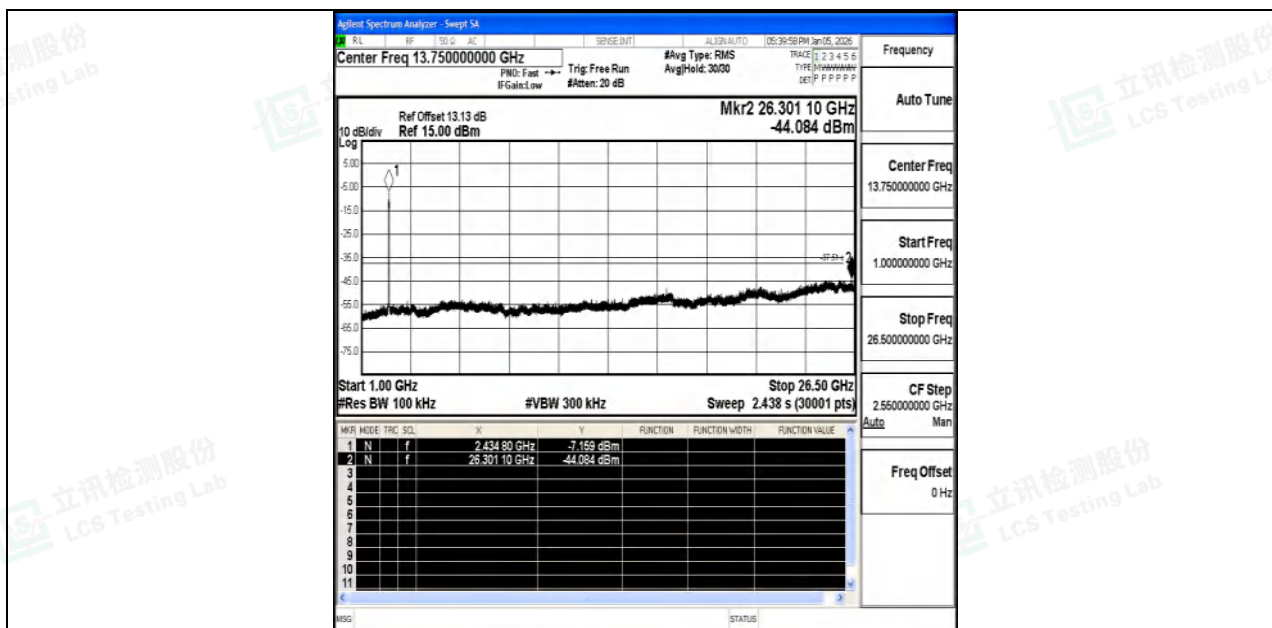


11N40SISO-Ant2-2422-0~Reference-PASS

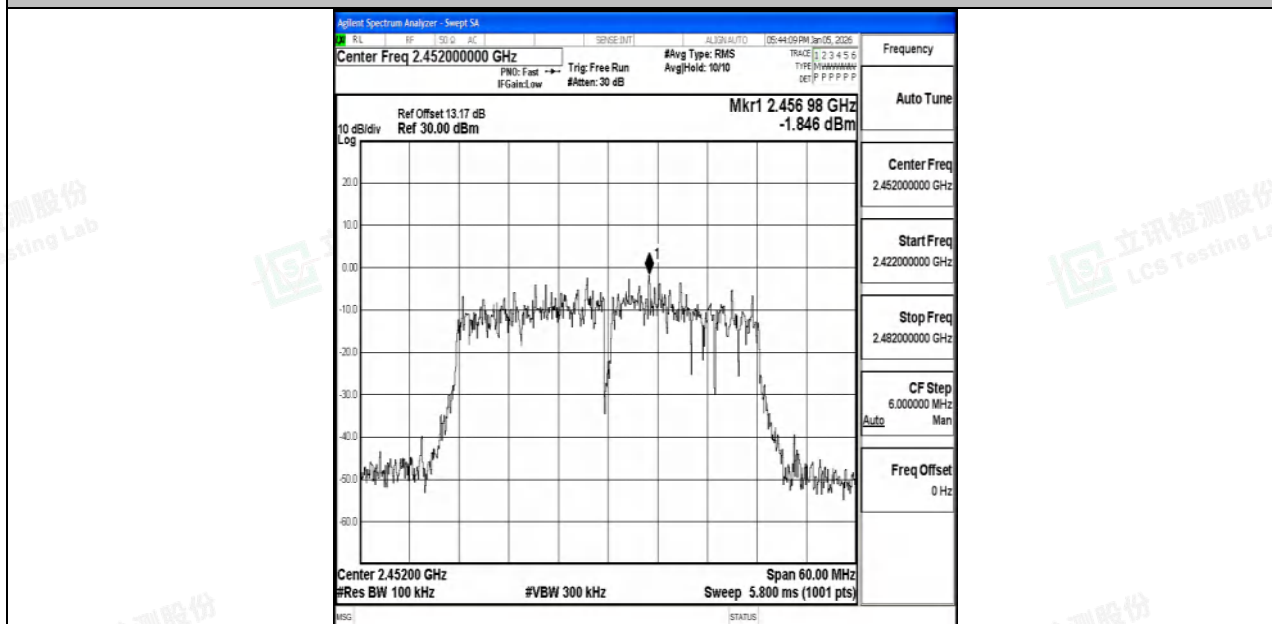






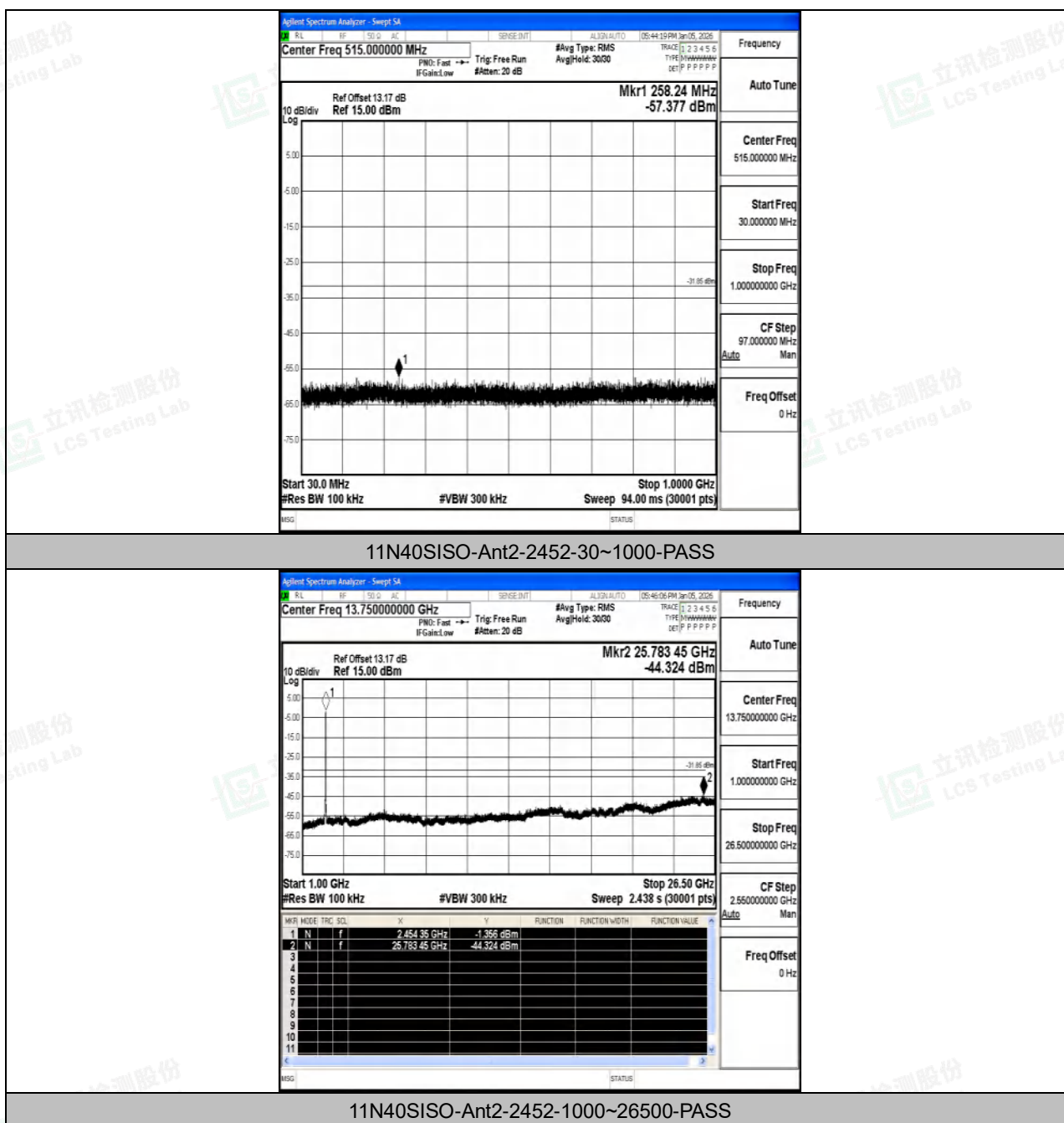


11N40SISO-Ant2-2437-1000~26500-PASS



11N40SISO-Ant2-2452-0~Reference-PASS







C.6 Duty Cycle

Test Result

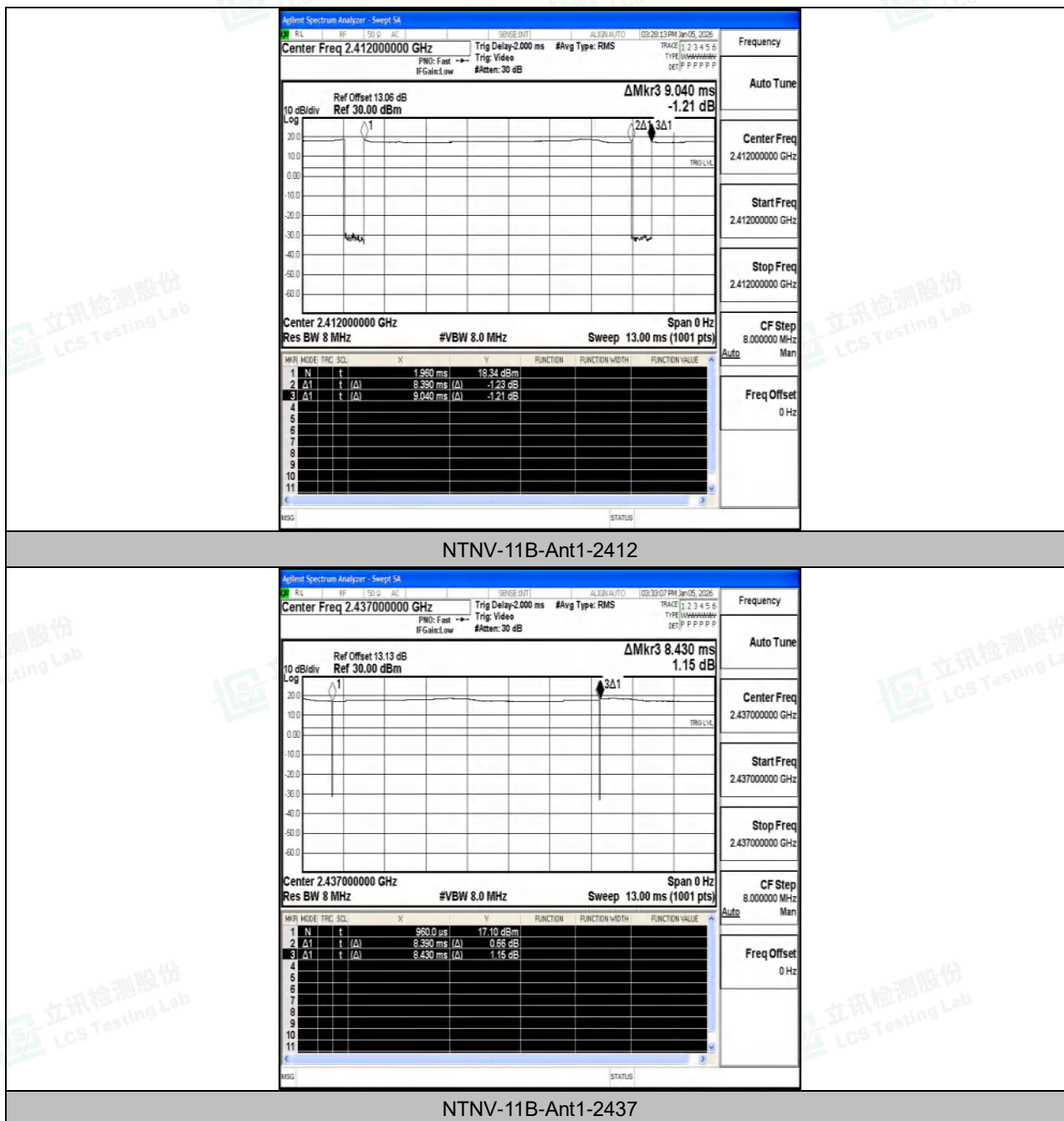
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	8.39	9.04	92.81	0.32
11B	Ant1	2437	8.39	8.43	99.53	0.02
11B	Ant1	2462	8.38	8.41	99.64	0.02
11G	Ant1	2412	1.39	1.43	97.20	0.12
11G	Ant1	2437	1.39	1.43	97.20	0.12
11G	Ant1	2462	1.39	1.42	97.89	0.09
11N20SISO	Ant1	2412	1.31	1.34	97.76	0.10
11N20SISO	Ant1	2437	1.31	1.34	97.76	0.10
11N20SISO	Ant1	2462	1.32	1.35	97.78	0.10
11N40SISO	Ant1	2422	0.08	0.15	53.33	2.73
11N40SISO	Ant1	2437	0.07	0.14	50.00	3.01
11N40SISO	Ant1	2452	0.07	0.14	50.00	3.01

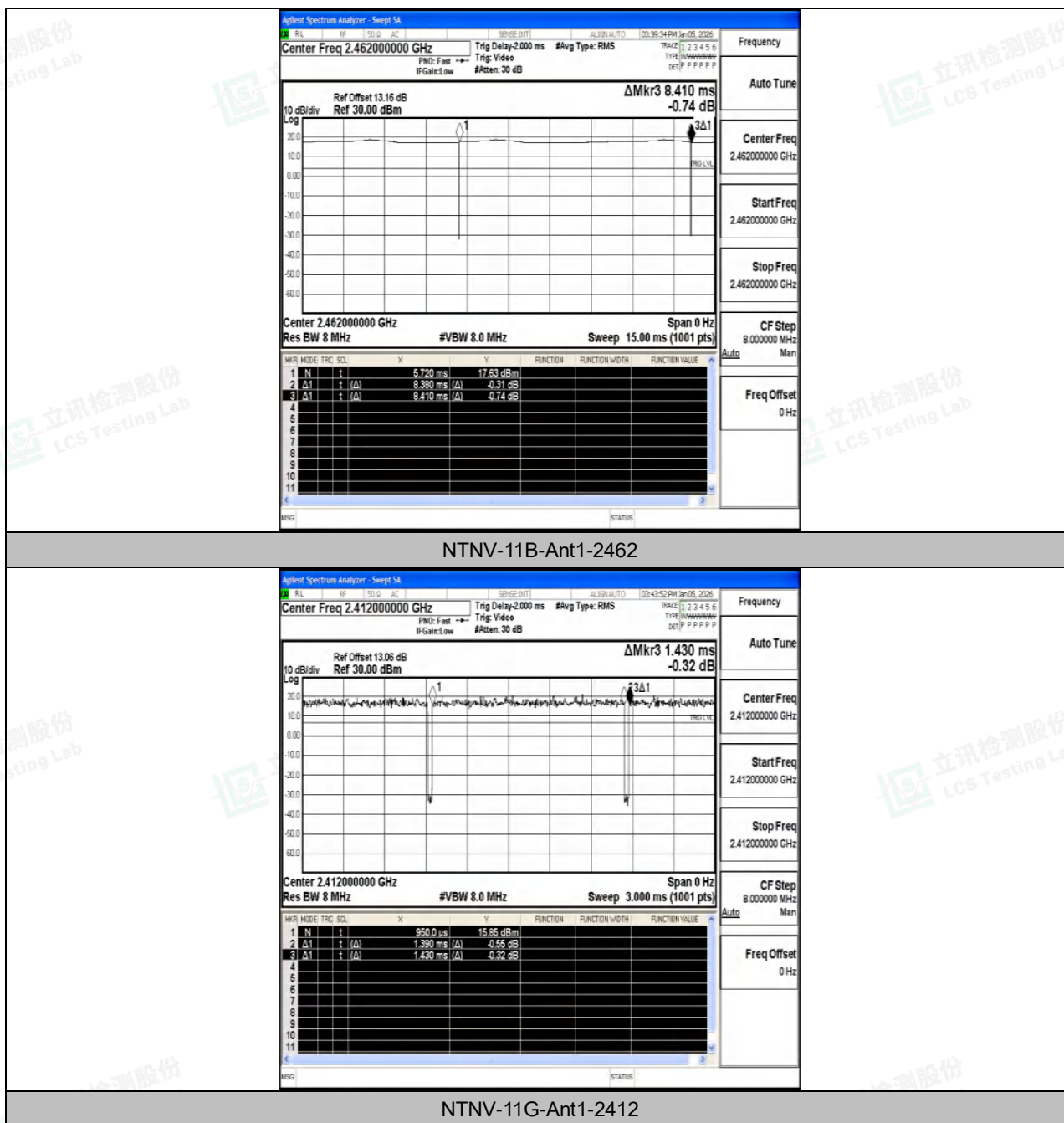
Note :offset=System attenuation +cabal loss

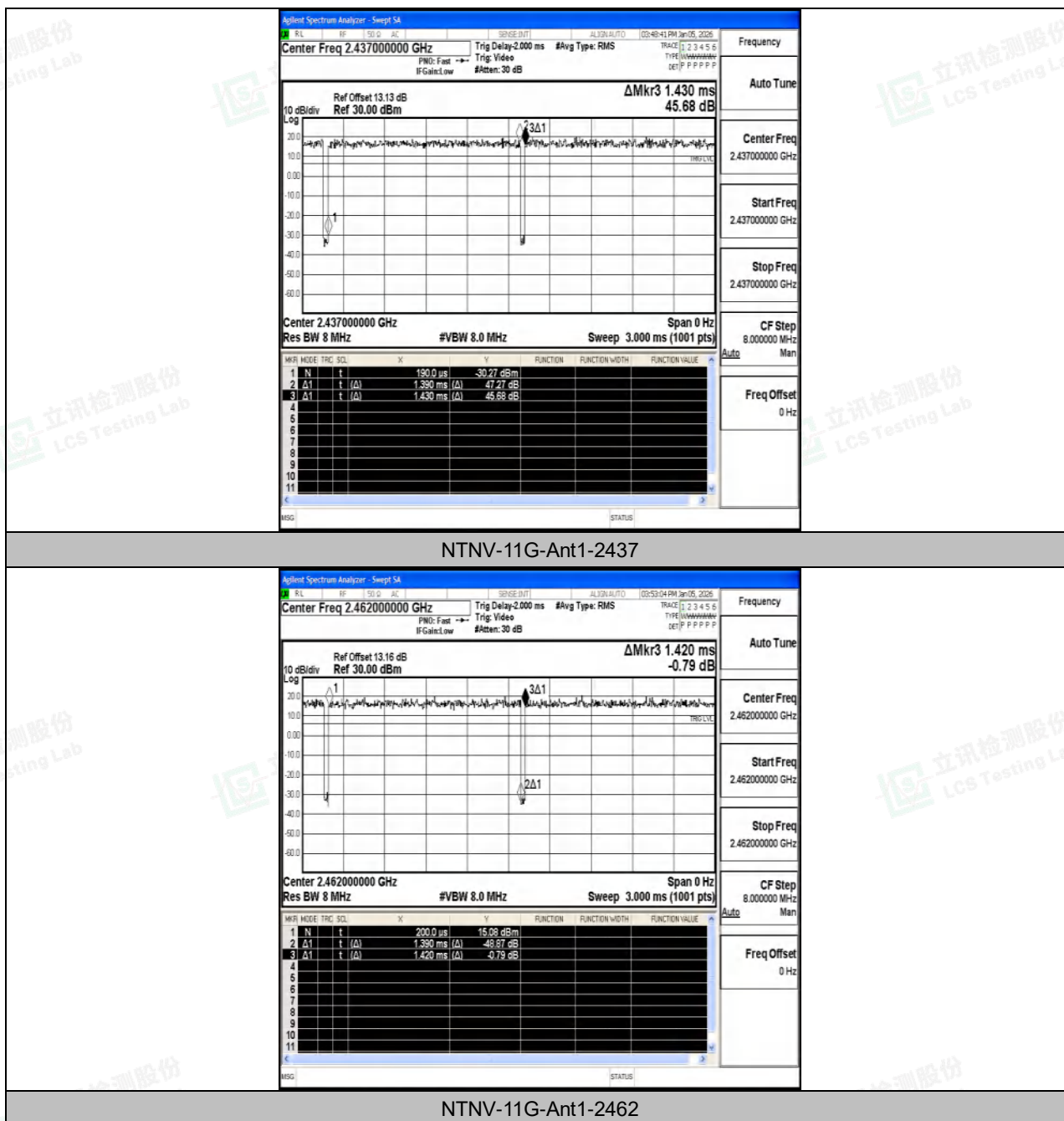


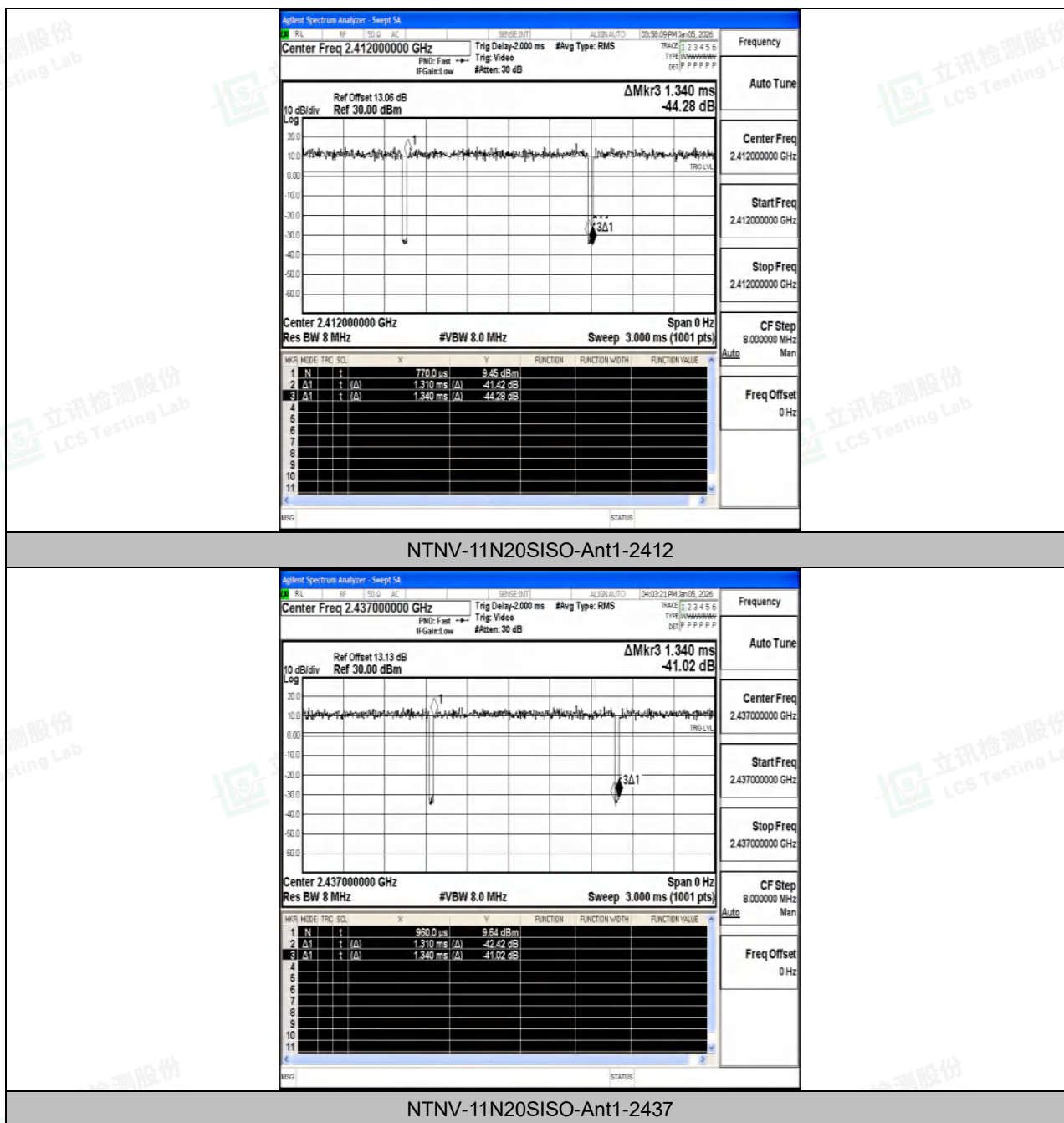


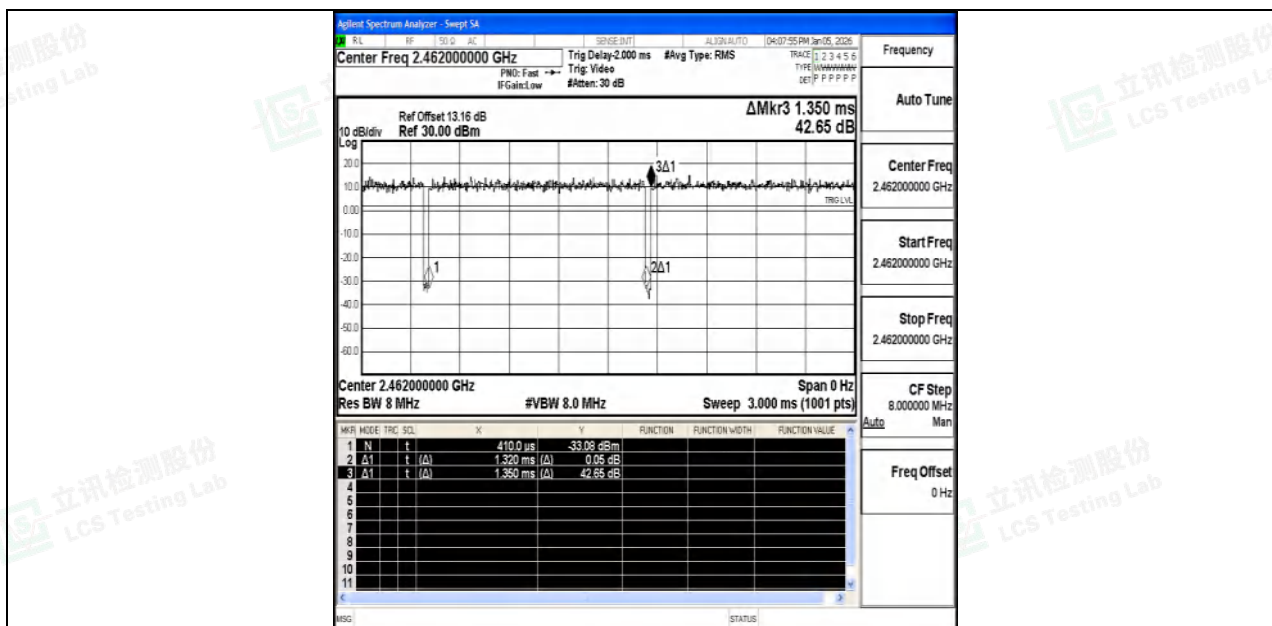
Test Graphs



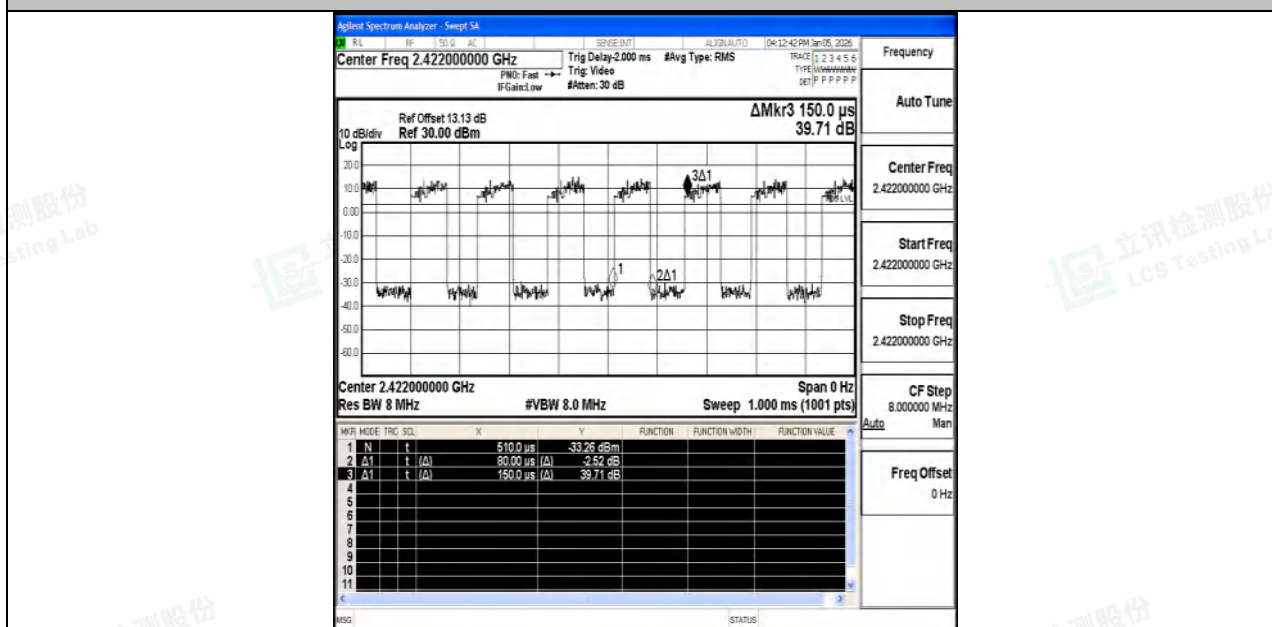






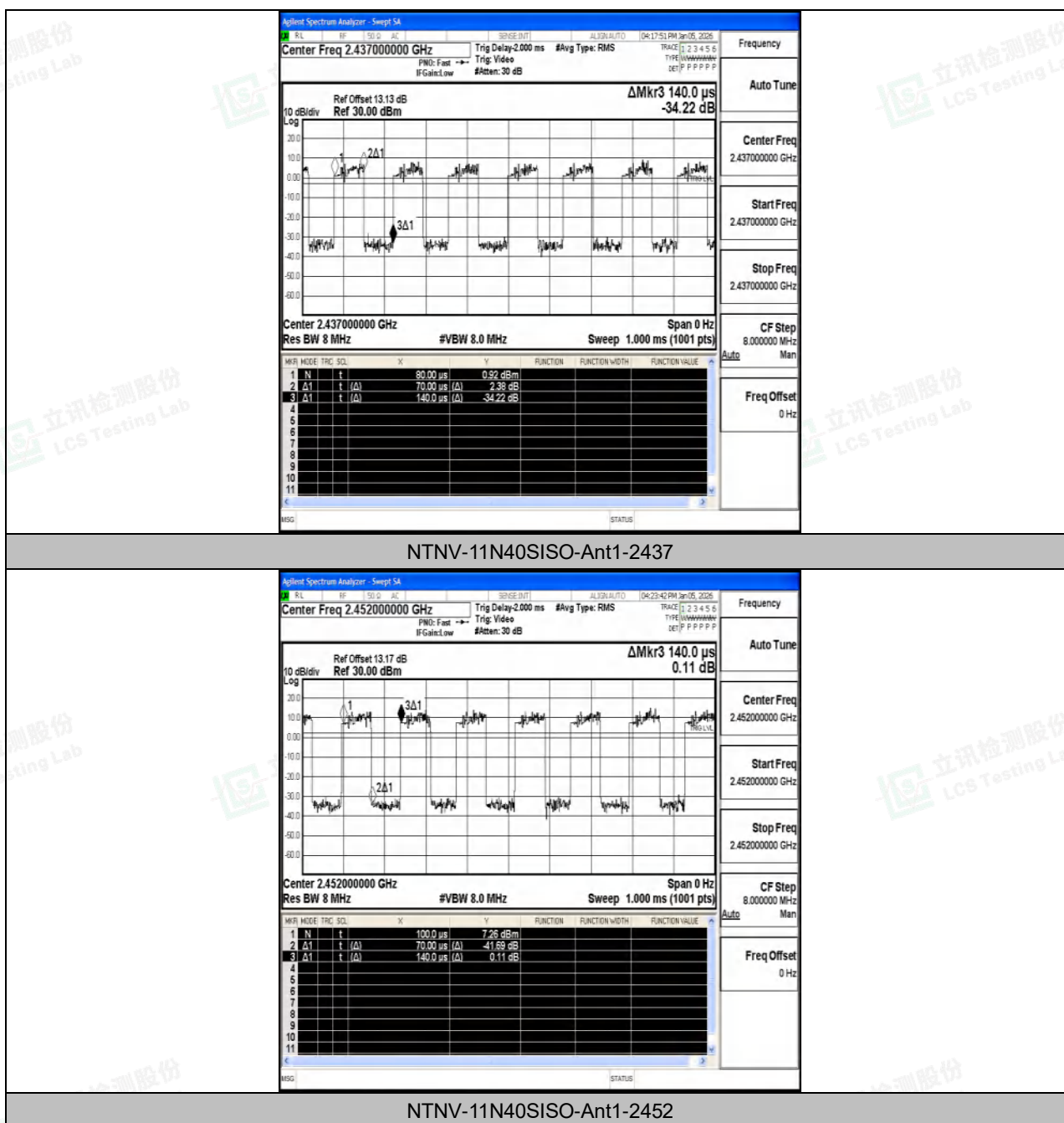


NTNV-11N20SISO-Ant1-2462



NTNV-11N40SISO-Ant1-2422







Test Result

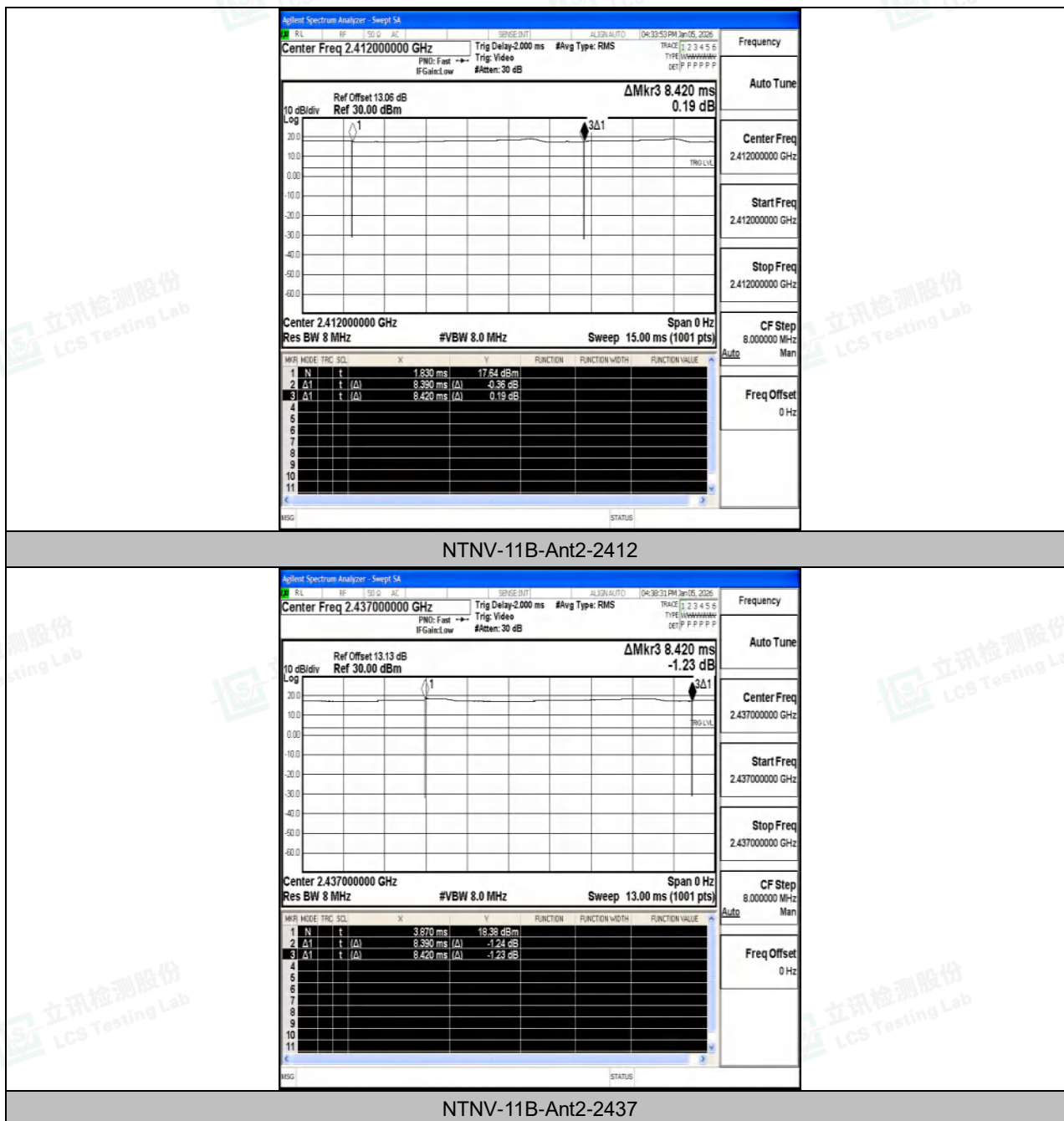
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant2	2412	8.39	8.42	99.64	0.02
11B	Ant2	2437	8.39	8.42	99.64	0.02
11B	Ant2	2462	8.38	8.41	99.64	0.02
11G	Ant2	2412	1.39	1.42	97.89	0.09
11G	Ant2	2437	1.39	1.42	97.89	0.09
11G	Ant2	2462	1.40	1.43	97.90	0.09
11N20SISO	Ant2	2412	1.31	1.35	97.04	0.13
11N20SISO	Ant2	2437	1.31	1.34	97.76	0.10
11N20SISO	Ant2	2462	1.31	1.35	97.04	0.13
11N40SISO	Ant2	2422	0.07	0.14	50.00	3.01
11N40SISO	Ant2	2437	0.07	0.14	50.00	3.01
11N40SISO	Ant2	2452	0.07	0.14	50.00	3.01

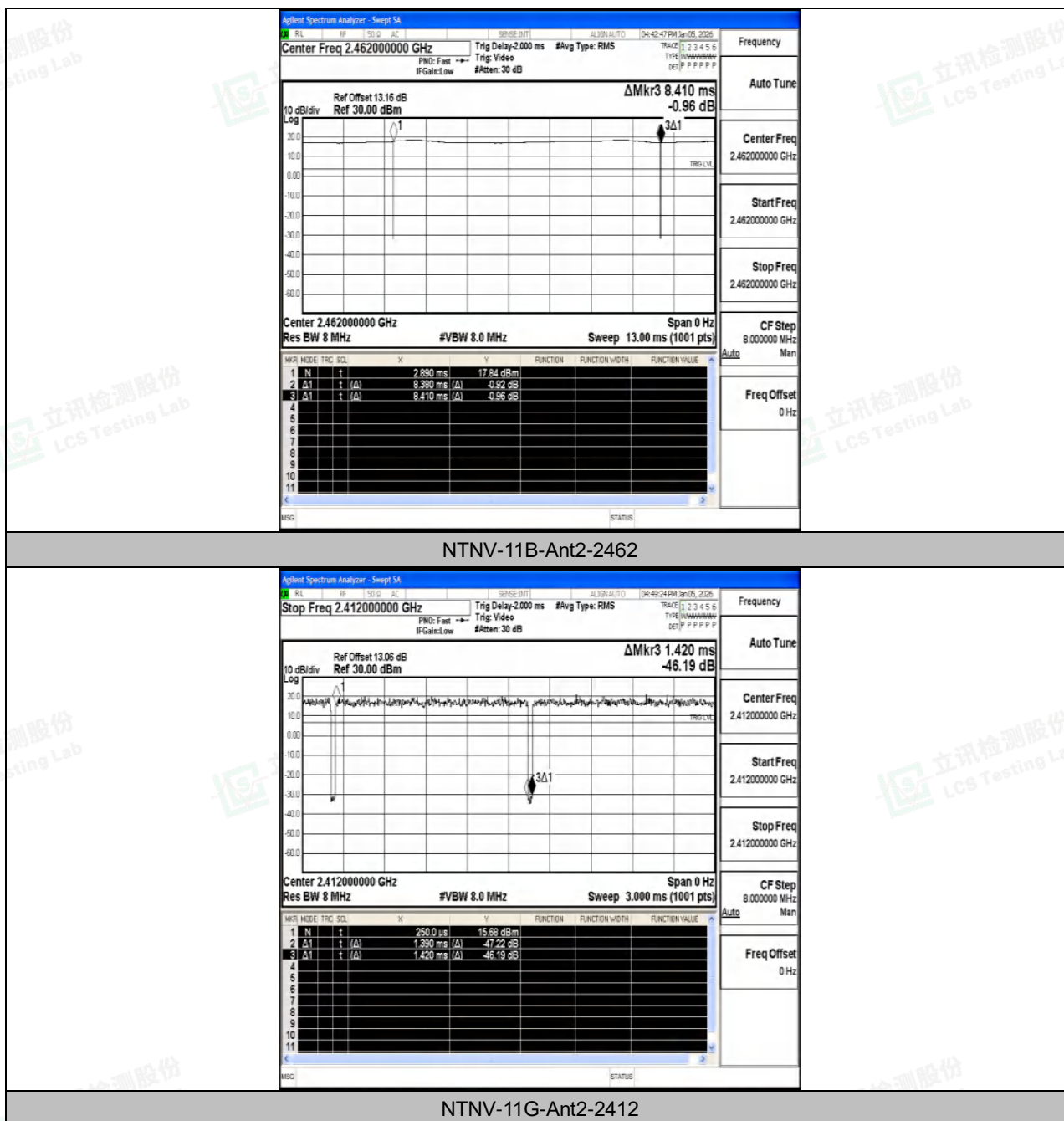
Note :offset=System attenuation +cabal loss

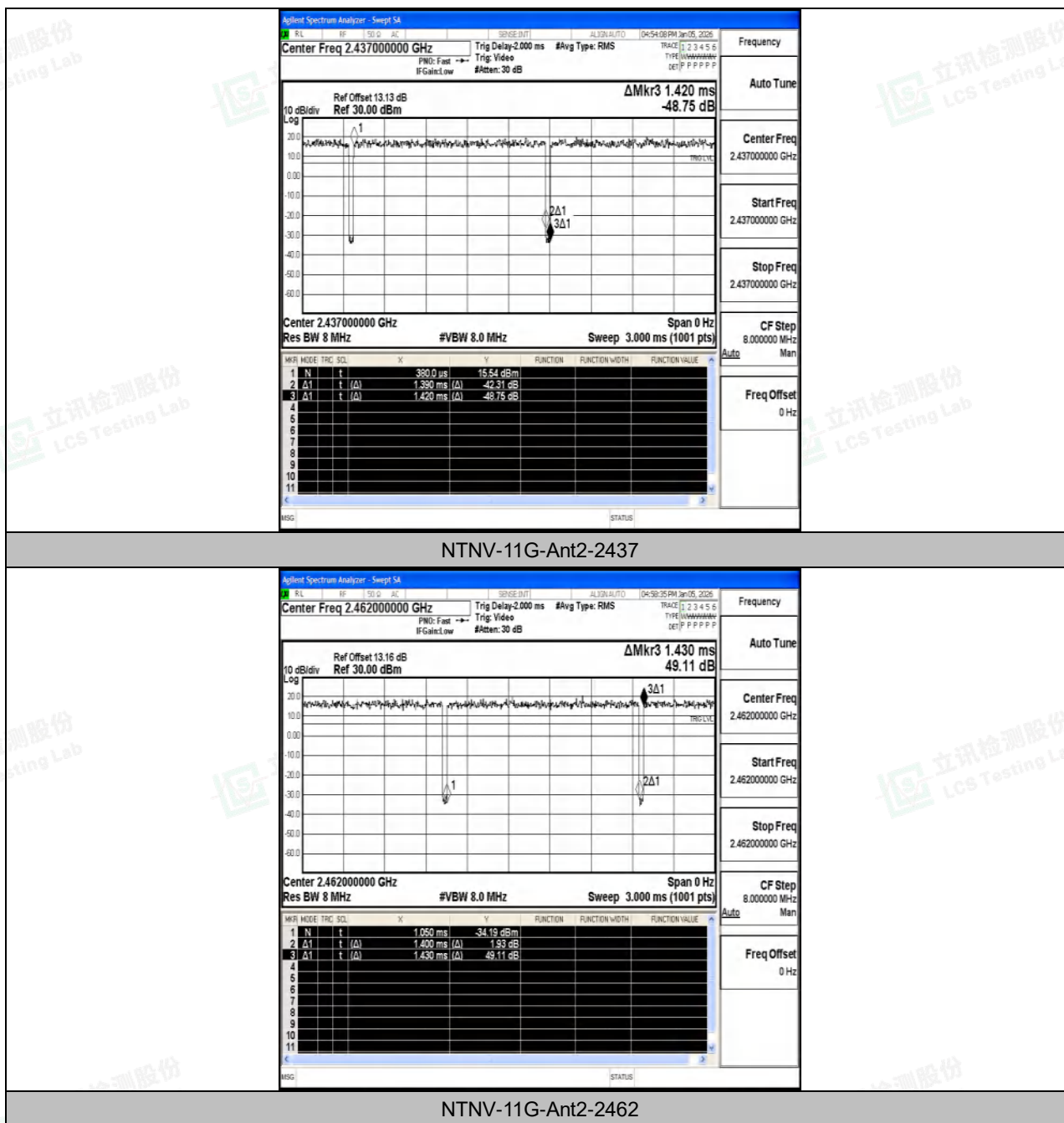


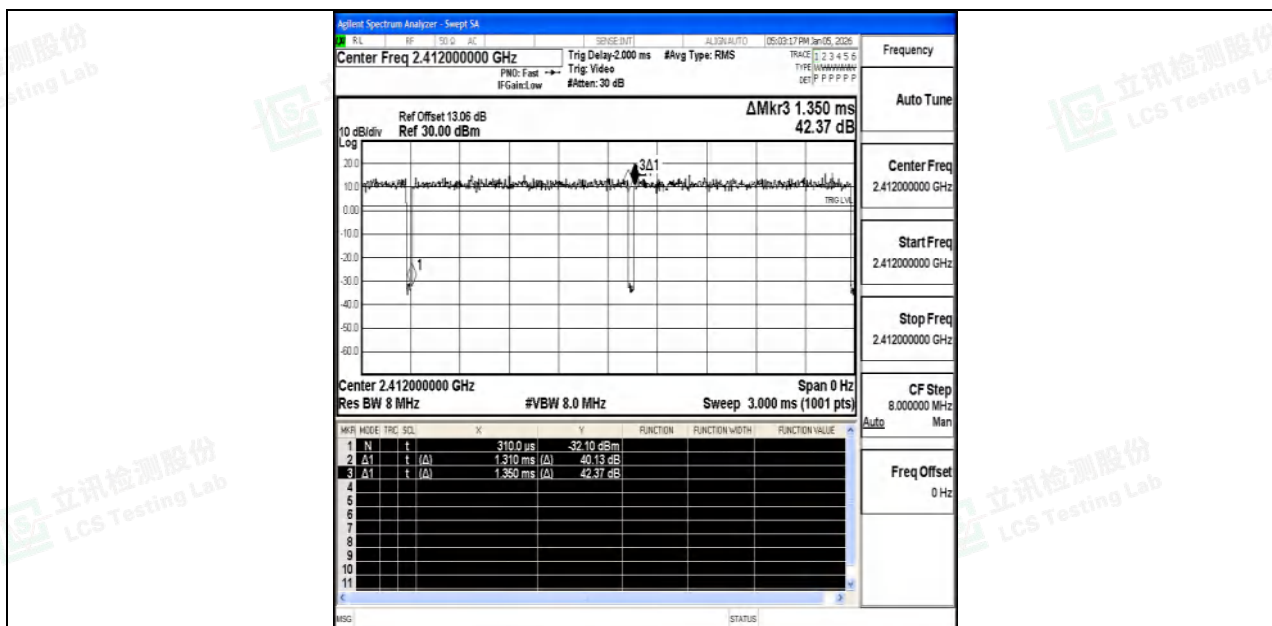


Test Graphs

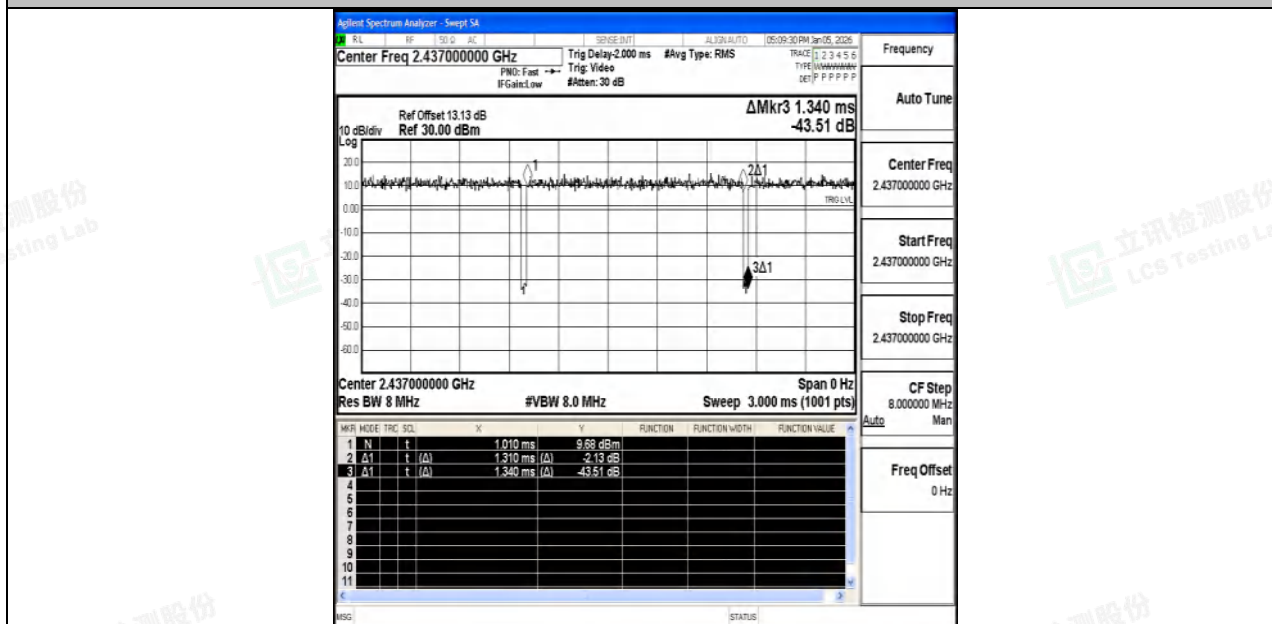






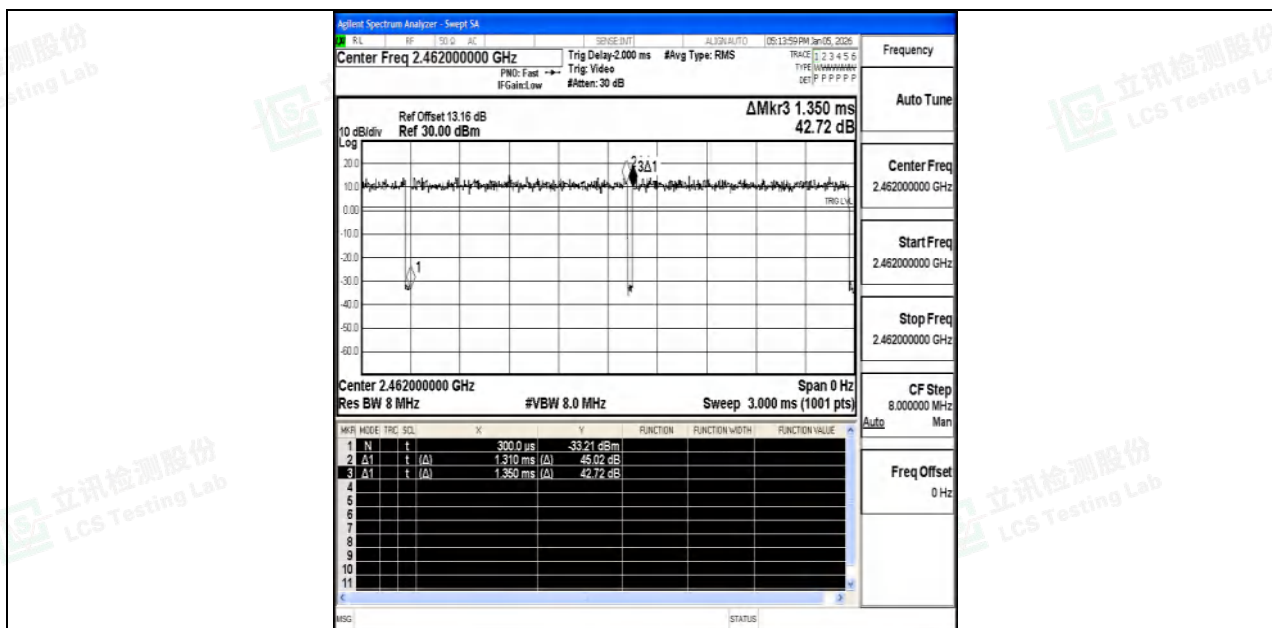


NTNV-11N20SISO-Ant2-2412

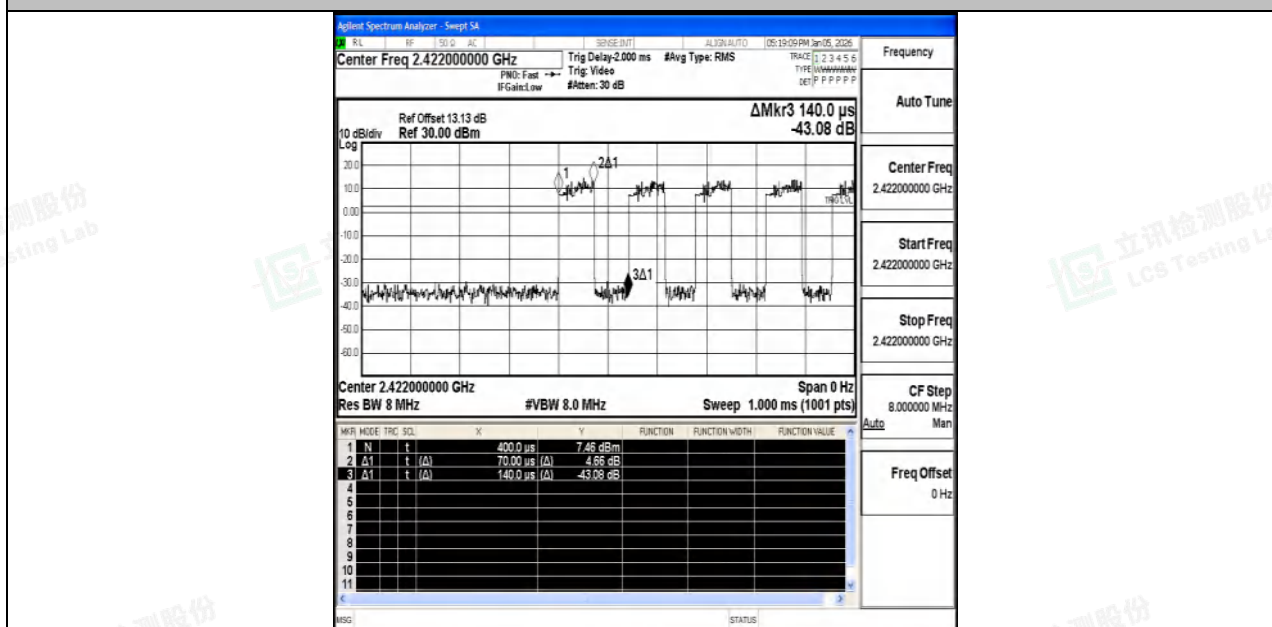


NTNV-11N20SISO-Ant2-2437



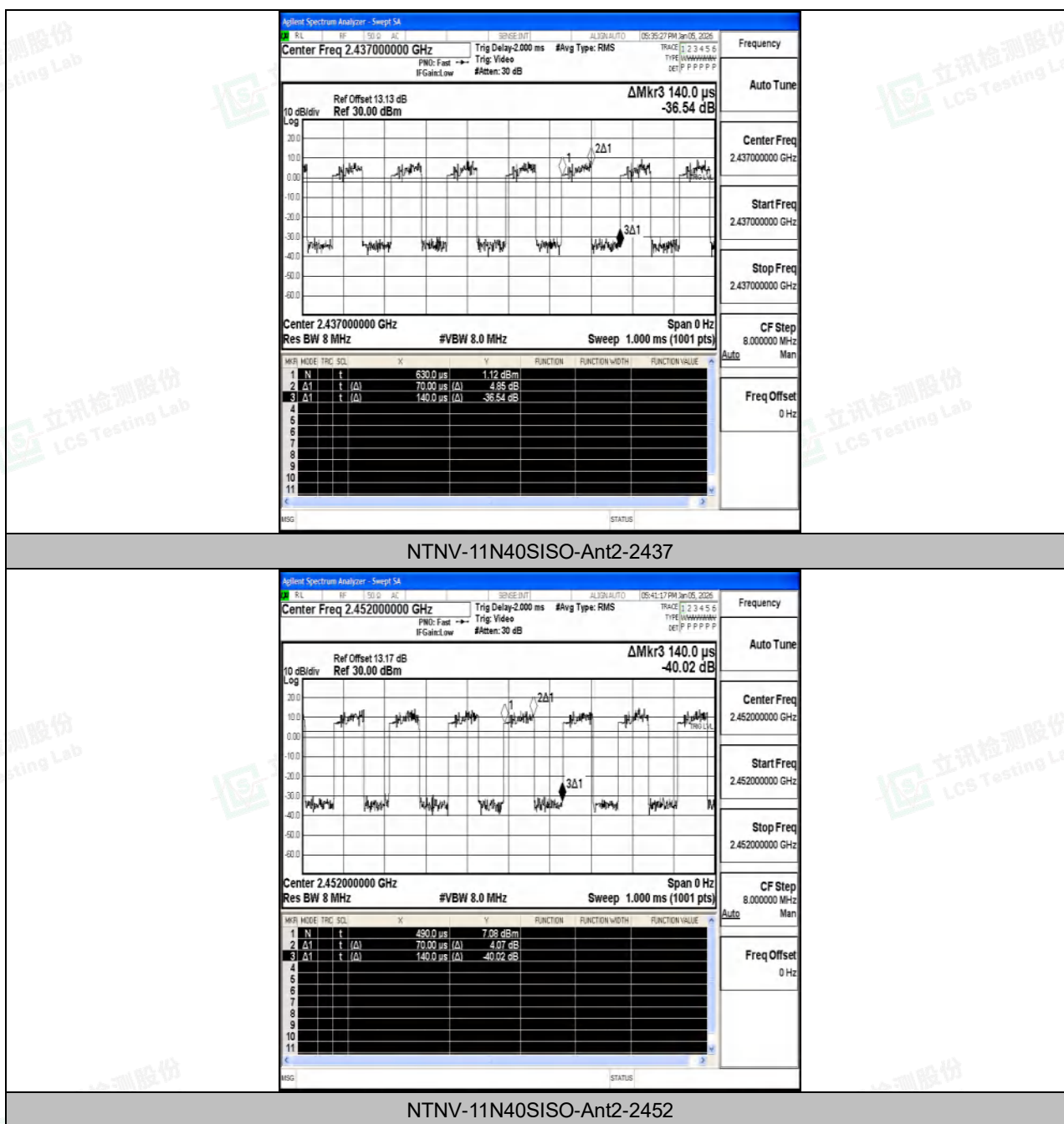


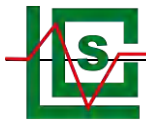
NTNV-11N20SISO-Ant2-2462



NTNV-11N40SISO-Ant2-2422







C.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	Peak	2390.000	-47.51	≤-21.20	47.69	≤74	PASS
11B	Ant1	Low	2412	Peak	2310.000	-48.01	≤-21.20	47.19	≤74	PASS
11B	Ant1	Low	2412	Peak	2386.970	-43.43	≤-21.20	51.77	≤74	PASS
11B	Ant1	Low	2412	AV	2390.000	-54.16	≤-41.20	41.04	≤54	PASS
11B	Ant1	Low	2412	AV	2310.000	-56.09	≤-41.20	39.11	≤54	PASS
11B	Ant1	Low	2412	AV	2387.360	-51.16	≤-41.20	44.04	≤54	PASS
11B	Ant1	High	2462	Peak	2483.500	-48.48	≤-21.20	46.72	≤74	PASS
11B	Ant1	High	2462	Peak	2500.000	-48.52	≤-21.20	46.68	≤74	PASS
11B	Ant1	High	2462	Peak	2484.440	-44.13	≤-21.20	51.07	≤74	PASS
11B	Ant1	High	2462	AV	2483.500	-53.49	≤-41.20	41.71	≤54	PASS
11B	Ant1	High	2462	AV	2500.000	-55.9	≤-41.20	39.30	≤54	PASS
11B	Ant1	High	2462	AV	2483.560	-52.93	≤-41.20	42.27	≤54	PASS
11G	Ant1	Low	2412	Peak	2390.000	-42.72	≤-21.20	52.48	≤74	PASS
11G	Ant1	Low	2412	Peak	2310.000	-49.05	≤-21.20	46.15	≤74	PASS
11G	Ant1	Low	2412	Peak	2389.050	-39.09	≤-21.20	56.11	≤74	PASS
11G	Ant1	Low	2412	AV	2390.000	-49.79	≤-41.20	45.41	≤54	PASS
11G	Ant1	Low	2412	AV	2310.000	-55.48	≤-41.20	39.72	≤54	PASS
11G	Ant1	Low	2412	AV	2389.700	-49.37	≤-41.20	45.83	≤54	PASS
11G	Ant1	High	2462	Peak	2483.500	-37.39	≤-21.20	57.81	≤74	PASS
11G	Ant1	High	2462	Peak	2500.000	-49.28	≤-21.20	45.92	≤74	PASS
11G	Ant1	High	2462	Peak	2483.560	-35.43	≤-21.20	59.77	≤74	PASS
11G	Ant1	High	2462	AV	2483.500	-47.6	≤-41.20	47.60	≤54	PASS
11G	Ant1	High	2462	AV	2500.000	-55.82	≤-41.20	39.38	≤54	PASS
11G	Ant1	High	2462	AV	2483.560	-48.38	≤-41.20	46.82	≤54	PASS
11N20SISO	Ant1	Low	2412	Peak	2390.000	-44.04	≤-21.20	51.16	≤74	PASS
11N20SISO	Ant1	Low	2412	Peak	2310.000	-48.42	≤-21.20	46.78	≤74	PASS
11N20SISO	Ant1	Low	2412	Peak	2388.660	-43.36	≤-21.20	51.84	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2390.000	-53.16	≤-41.20	42.04	≤54	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-56.71	≤-41.20	38.49	≤54	PASS
11N20SISO	Ant1	Low	2412	AV	2388.530	-52.2	≤-41.20	43.00	≤54	PASS
11N20SISO	Ant1	High	2462	Peak	2483.500	-41.5	≤-21.20	53.70	≤74	PASS
11N20SISO	Ant1	High	2462	Peak	2500.000	-47.78	≤-21.20	47.42	≤74	PASS
11N20SISO	Ant1	High	2462	Peak	2484.990	-40.68	≤-21.20	54.52	≤74	PASS
11N20SISO	Ant1	High	2462	AV	2483.500	-51.39	≤-41.20	43.81	≤54	PASS
11N20SISO	Ant1	High	2462	AV	2500.000	-55.1	≤-41.20	40.10	≤54	PASS

