Appendix Q1

Test Information:

Sample No.:	34AK-1	**Test Date:**	2025/07/02~2025/09/04
Test Site:	RF	**Test Mode:**	Transmitting
Tester:	Leo Lin	**Test Result:**	Pass

Environmental Conditions:

Temperature: (°C)	25.5-26.8	**Relative Humidity: (%)**	47-58	**ATM Pressure: (kPa)**	99.1-100.6

Out of band emission, Band Edge

FCC For 90S

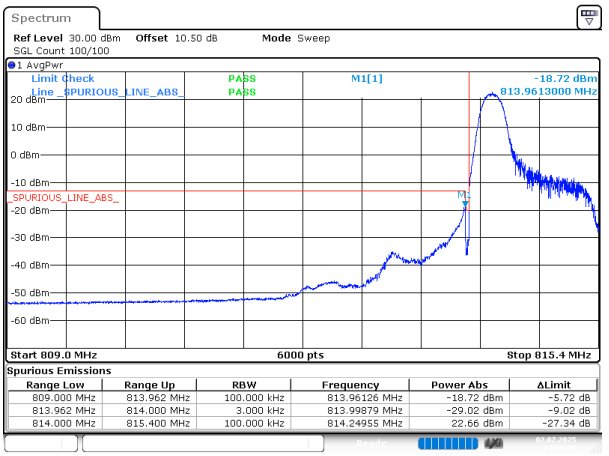
LTE B26_1, Normal

Mode	Result (dBm)	Limit	Verdict
1.4MHz_Low_QPSK_1@0	-18.72	See Graphs	Pass
1.4MHz_Low_QPSK_6@0	-18.09	See Graphs	Pass
1.4MHz_Low_16QAM_1@0	-30.76	See Graphs	Pass
1.4MHz_Low_16QAM_6@0	-22.61	See Graphs	Pass
1.4MHz_High_QPSK_1@5	-18.72	See Graphs	Pass
1.4MHz_High_QPSK_6@0	-26.52	See Graphs	Pass
1.4MHz_High_16QAM_1@5	-17.42	See Graphs	Pass
1.4MHz_High_16QAM_6@0	-26.06	See Graphs	Pass
3MHz_Low_QPSK_1@0	-20.09	See Graphs	Pass
3MHz_Low_QPSK_15@0	-20.83	See Graphs	Pass
3MHz_Low_16QAM_1@0	-19.05	See Graphs	Pass
3MHz_Low_16QAM_15@0	-22.30	See Graphs	Pass
3MHz_High_QPSK_1@14	-32.83	See Graphs	Pass
3MHz_High_QPSK_15@0	-21.92	See Graphs	Pass
3MHz_High_16QAM_1@14	**-13.18**	See Graphs	Pass
3MHz_High_16QAM_15@0	-22.44	See Graphs	Pass
5MHz_Low_QPSK_1@0	-18.82	See Graphs	Pass
5MHz_Low_QPSK_25@0	-24.07	See Graphs	Pass
5MHz_Low_16QAM_1@0	-20.12	See Graphs	Pass
5MHz_Low_16QAM_25@0	-26.00	See Graphs	Pass
5MHz_High_QPSK_1@24	-19.50	See Graphs	Pass
5MHz_High_QPSK_25@0	-28.85	See Graphs	Pass
5MHz_High_16QAM_1@24	-20.81	See Graphs	Pass
5MHz_High_16QAM_25@0	-30.11	See Graphs	Pass
10MHz_Low_QPSK_1@0	-22.91	See Graphs	Pass
10MHz_Low_QPSK_50@0	-28.51	See Graphs	Pass
10MHz_Low_16QAM_1@0	-24.14	See Graphs	Pass
10MHz_Low_16QAM_50@0	-29.95	See Graphs	Pass
10MHz_High_QPSK_1@49	-24.44	See Graphs	Pass
10MHz_High_QPSK_50@0	-29.43	See Graphs	Pass

Mode	Result (dBm)	Limit	Verdict
10MHz_High_16QAM_1@49	-23.21	See Graphs	Pass
10MHz_High_16QAM_50@0	-30.98	See Graphs	Pass
15MHz_Low_QPSK_1@0	-23.47	See Graphs	Pass
15MHz_Low_QPSK_75@0	-30.45	See Graphs	Pass
15MHz_Low_16QAM_1@0	-24.02	See Graphs	Pass
15MHz_Low_16QAM_75@0	-33.84	See Graphs	Pass

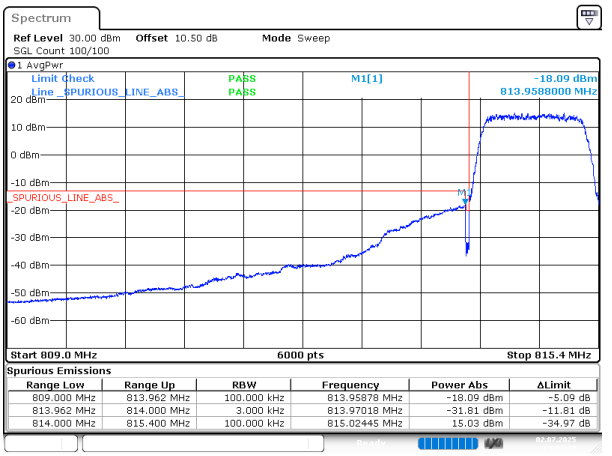
LTE B26_1, Normal

1.4MHz_Low_QPSK_1@0



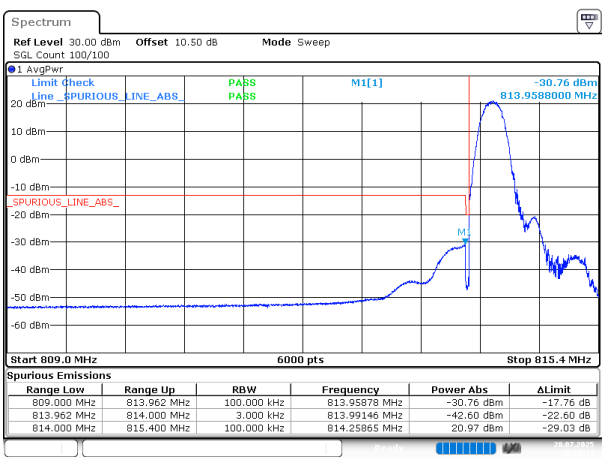
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:53:08

1.4MHz_Low_QPSK_6@0



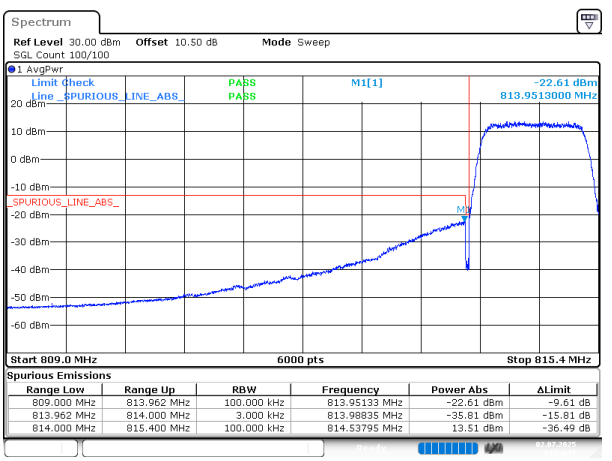
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:53:31

1.4MHz_Low_16QAM_1@0



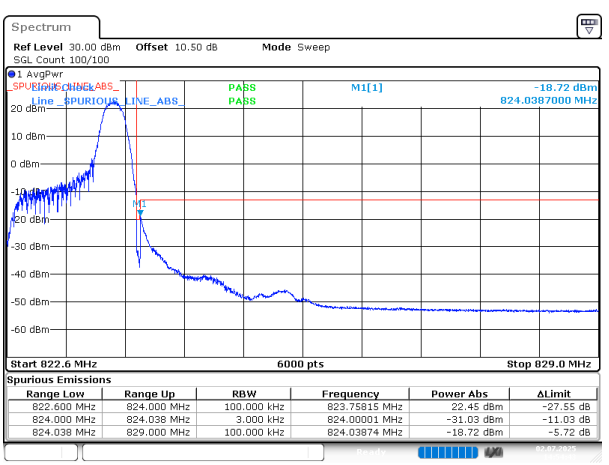
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 28.JUL.2025 16:26:12

1.4MHz_Low_16QAM_6@0



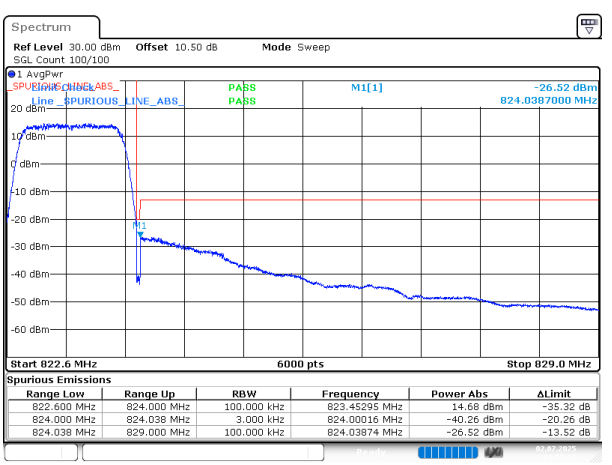
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:54:18

1.4MHz_High_QPSK_1@5



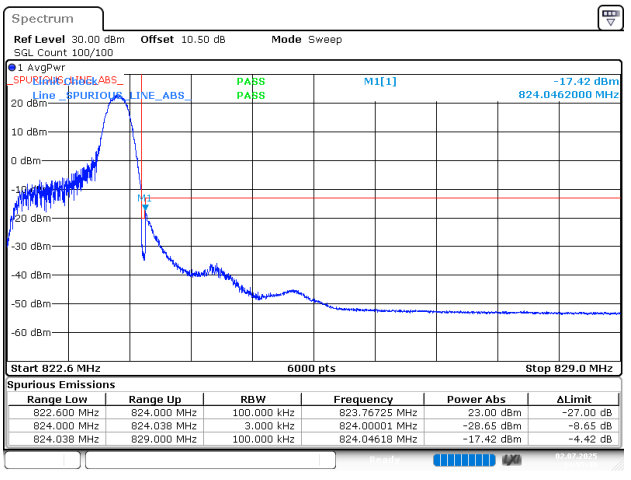
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:54:44

1.4MHz_High_QPSK_6@0



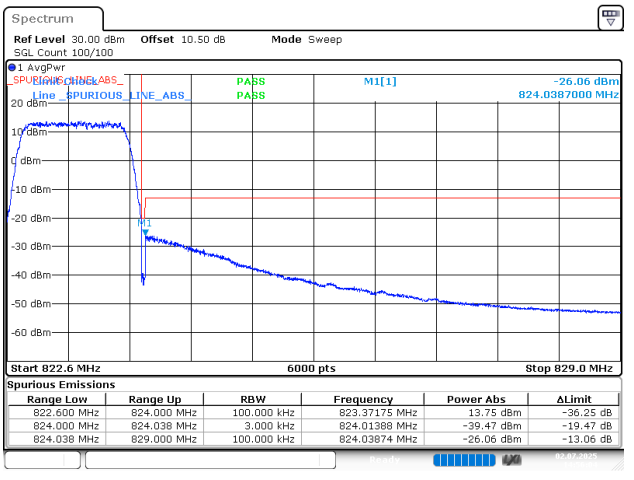
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:55:19

1.4MHz_High_16QAM_1@5



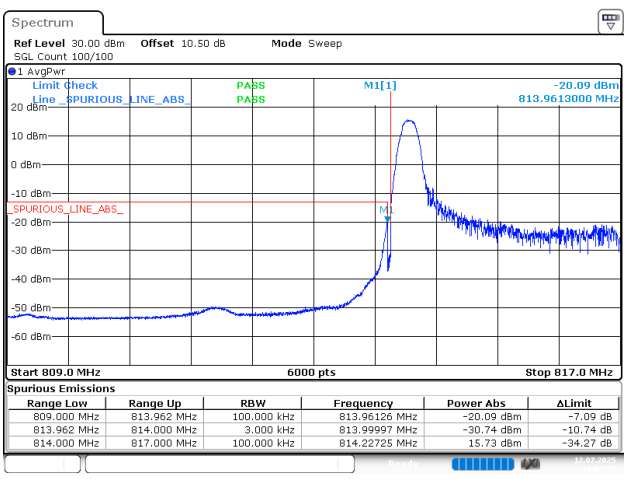
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:55:41

1.4MHz_High_16QAM_6@0



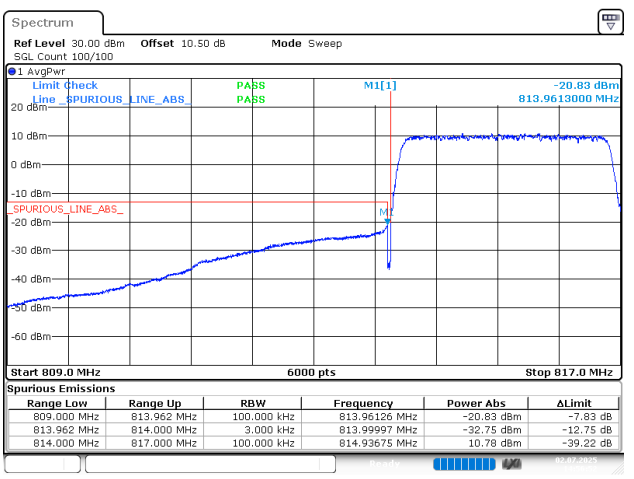
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:56:04

3MHz_Low_QPSK_1@0



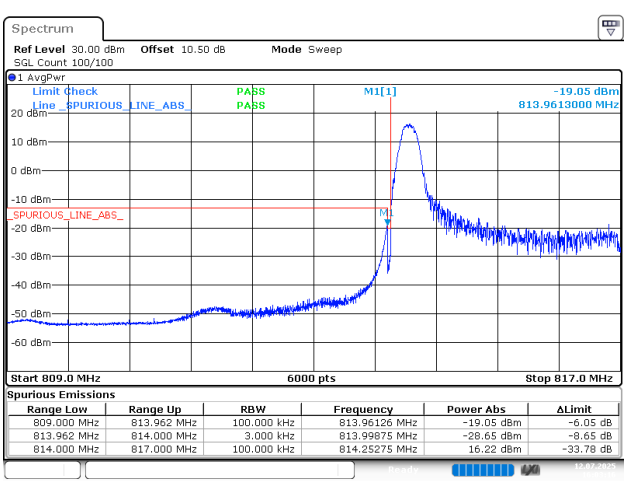
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:02:57

3MHz_Low_QPSK_15@0



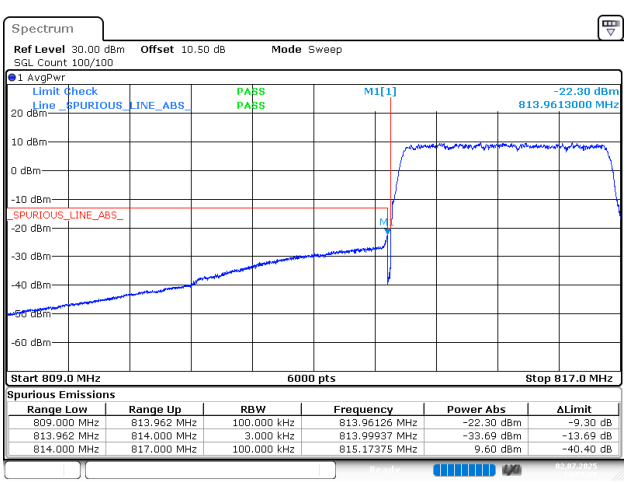
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:56:53

3MHz_Low_16QAM_1@0



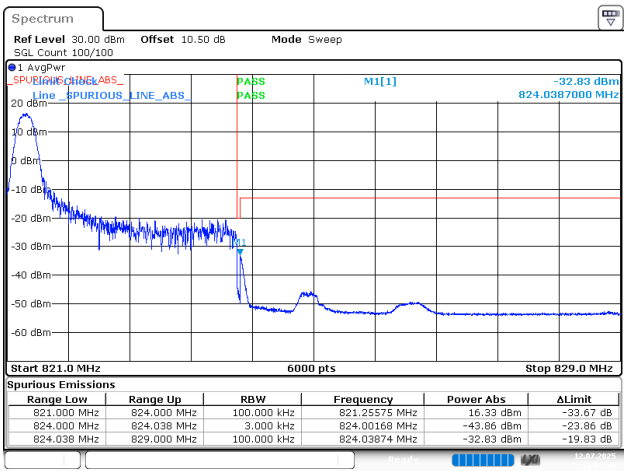
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:03:17

3MHz_Low_16QAM_15@0



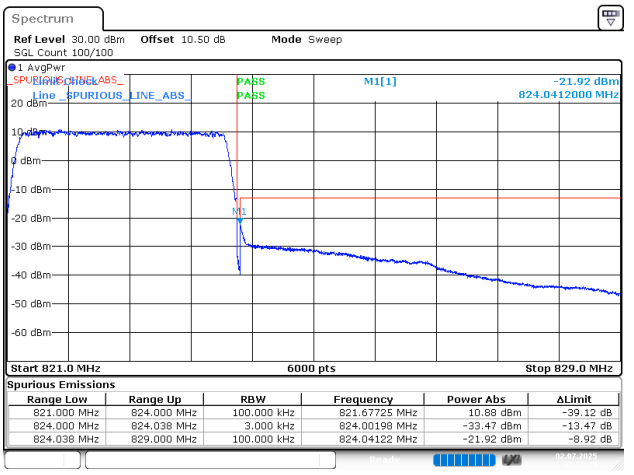
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:57:39

3MHz_High_QPSK_1@14



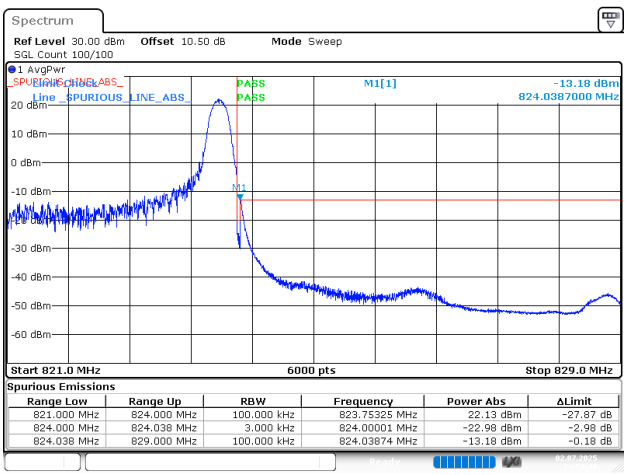
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:03:36

3MHz_High_QPSK_15@0



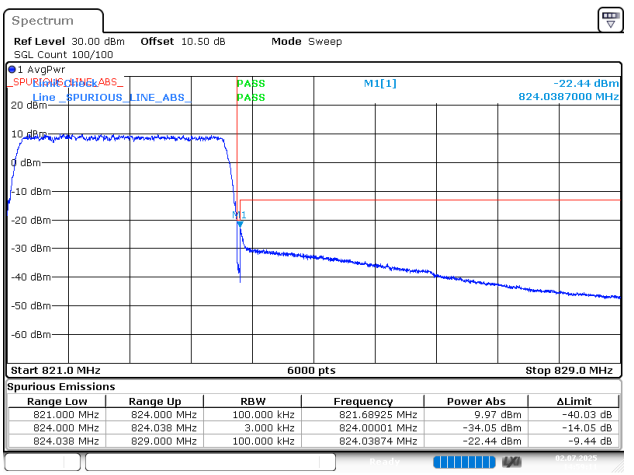
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:58:25

3MHz_High_16QAM_1@14



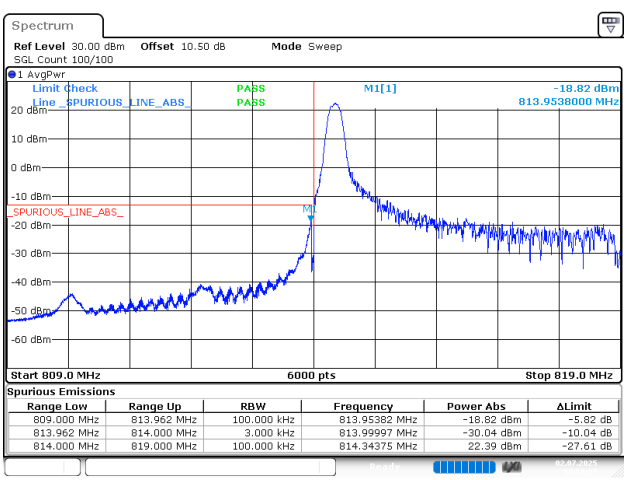
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:58:49

3MHz_High_16QAM_15@0



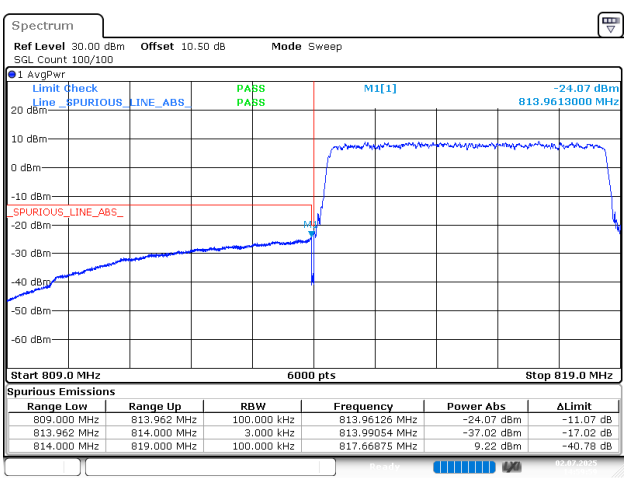
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:59:11

5MHz_Low_QPSK_1@0



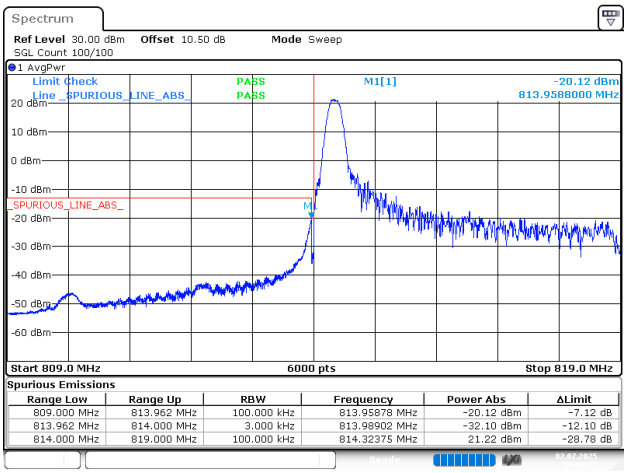
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 14:59:38

5MHz_Low_QPSK_25@0



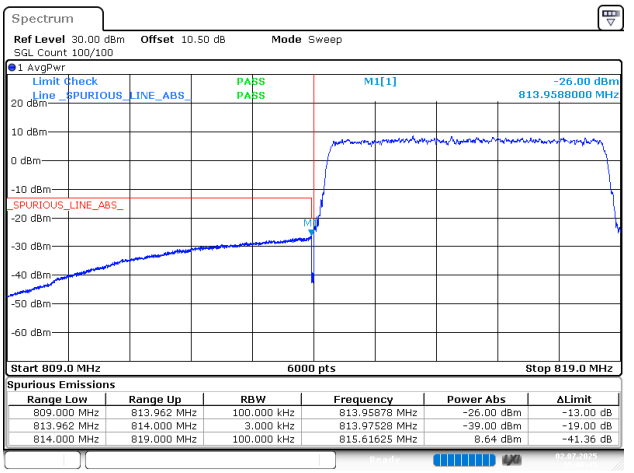
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:00:00

5MHz_Low_16QAM_1@0



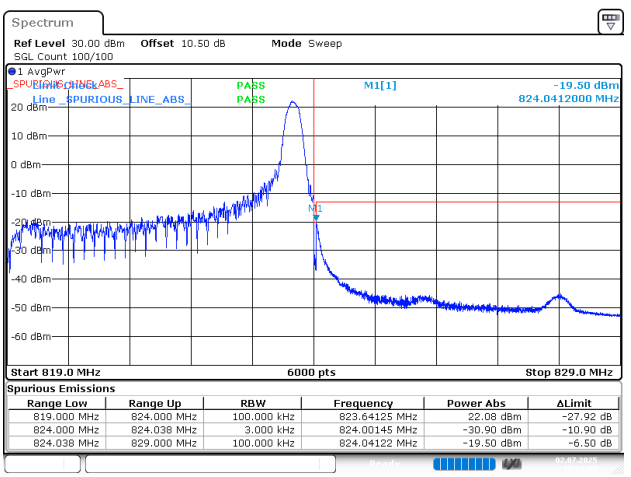
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:00:23

5MHz_Low_16QAM_25@0



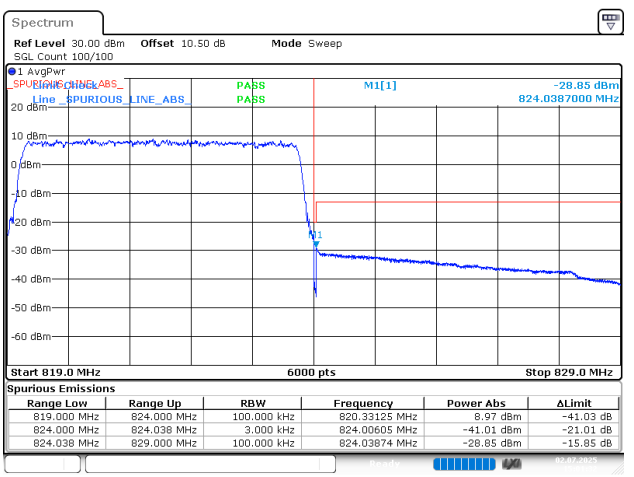
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:00:46

5MHz_High_QPSK_1@24



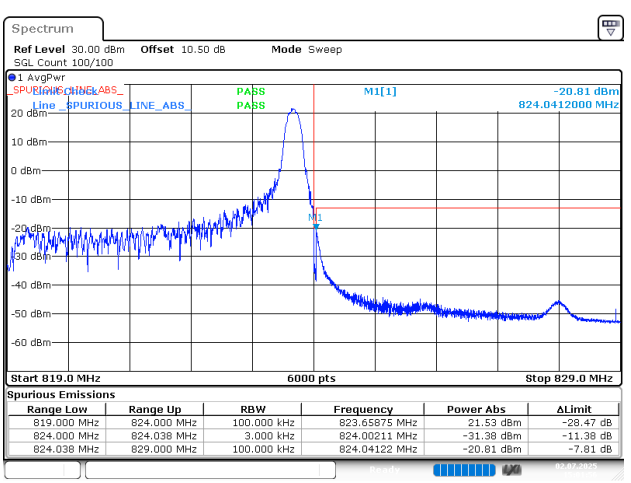
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:01:09

5MHz_High_QPSK_25@0



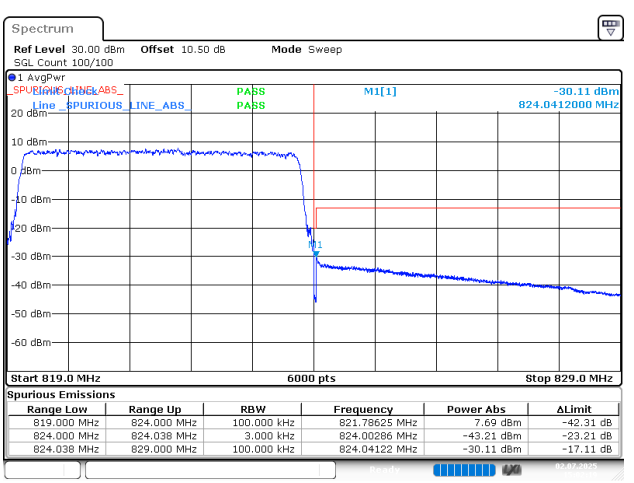
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:01:33

5MHz_High_16QAM_1@24



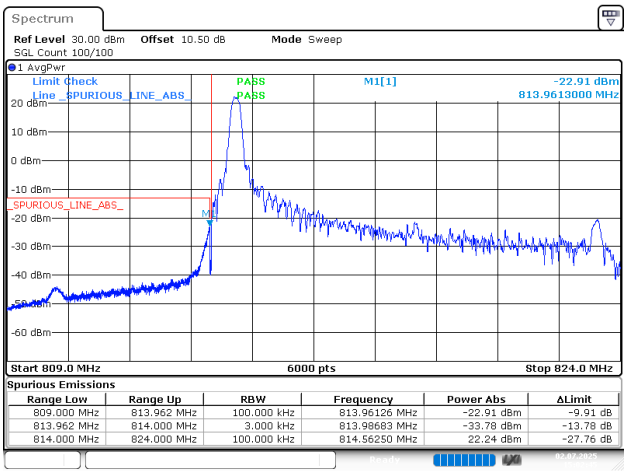
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:01:56

5MHz_High_16QAM_25@0



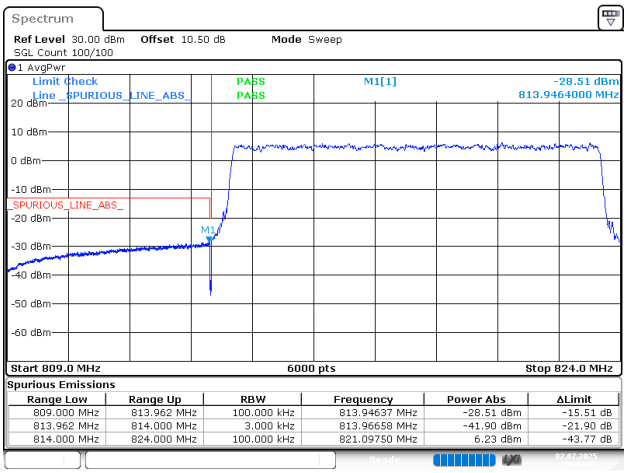
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:02:20

10MHz_Low_QPSK_1@0



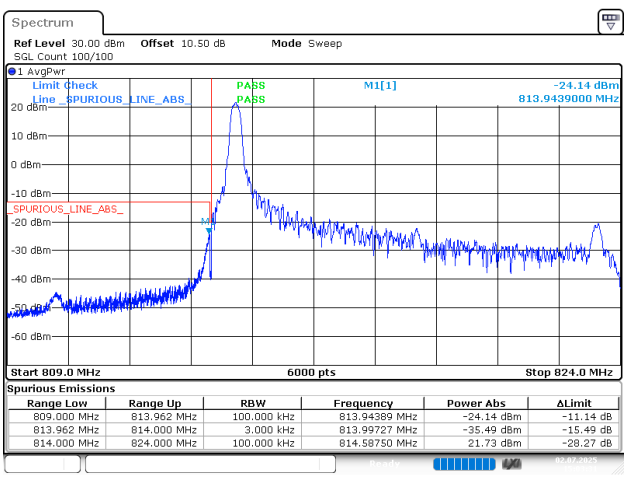
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:02:46

10MHz_Low_QPSK_50@0



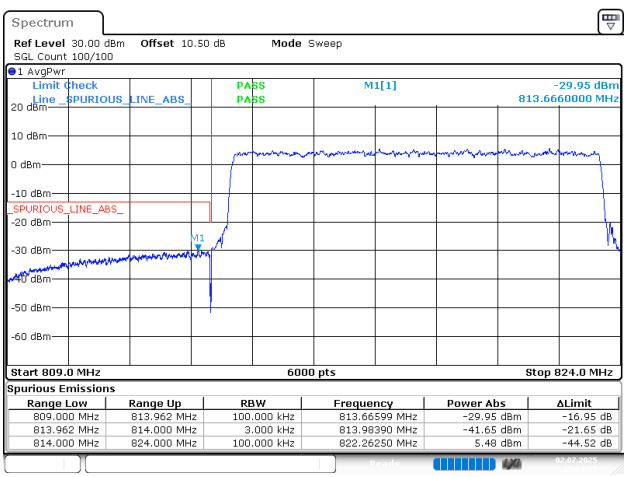
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:03:09

10MHz_Low_16QAM_1@0



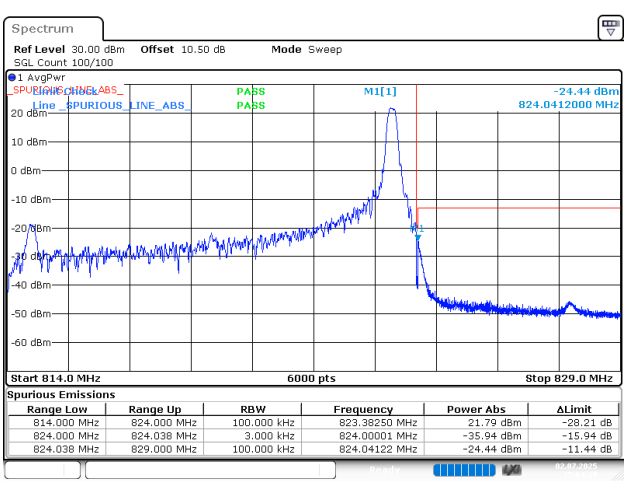
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:03:32

10MHz_Low_16QAM_50@0



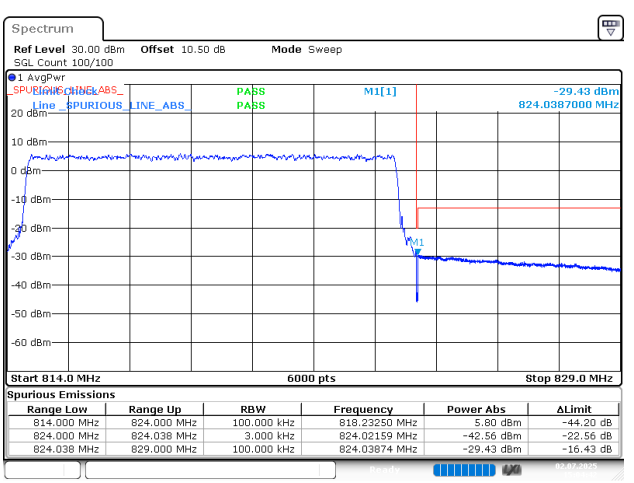
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:03:55

10MHz_High_QPSK_1@49



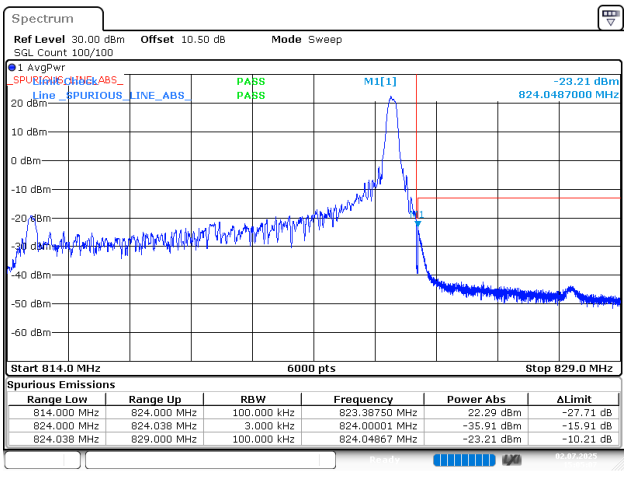
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:04:19

10MHz_High_QPSK_50@0



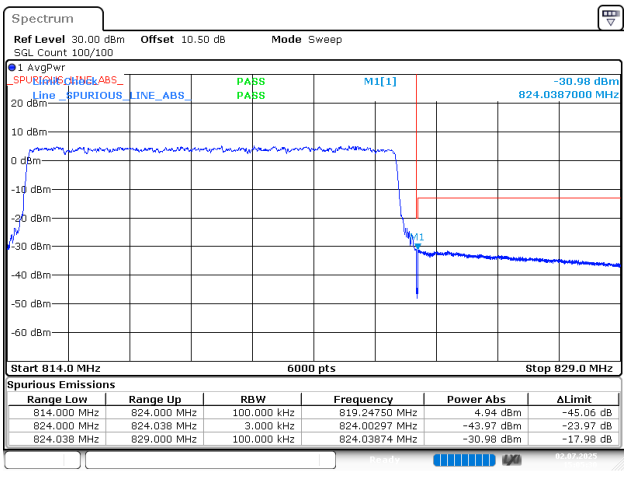
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:04:43

10MHz_High_16QAM_1@49



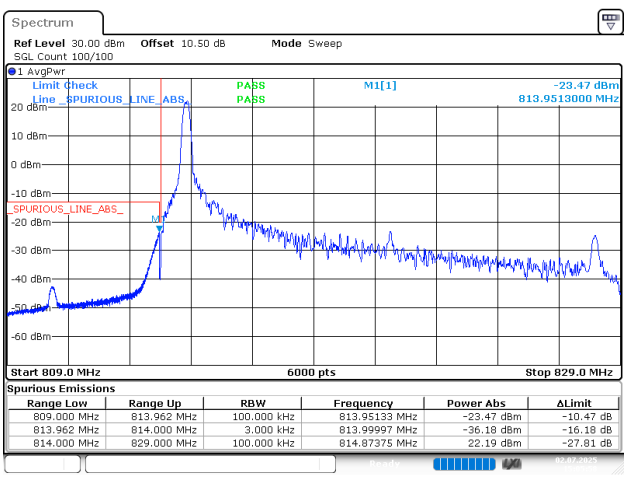
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:05:07

10MHz_High_16QAM_50@0



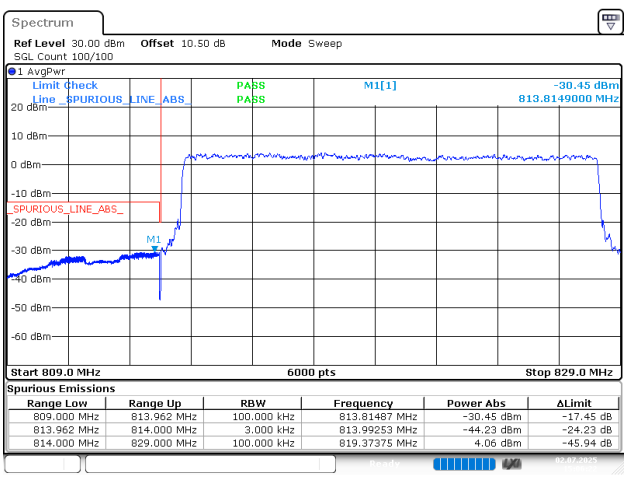
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:05:31

15MHz_Low_QPSK_1@0



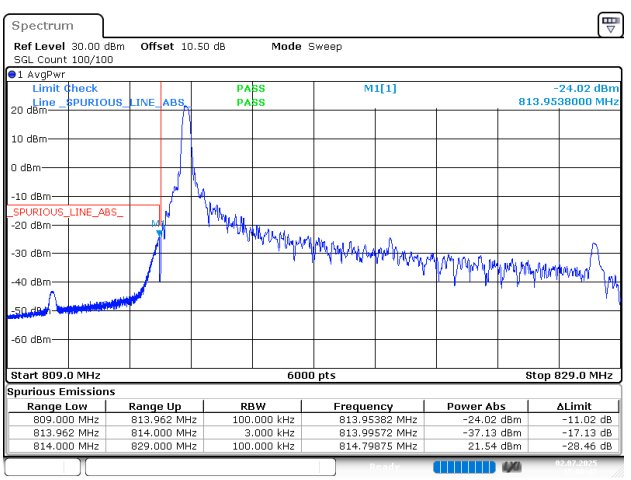
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:05:59

15MHz_Low_QPSK_75@0



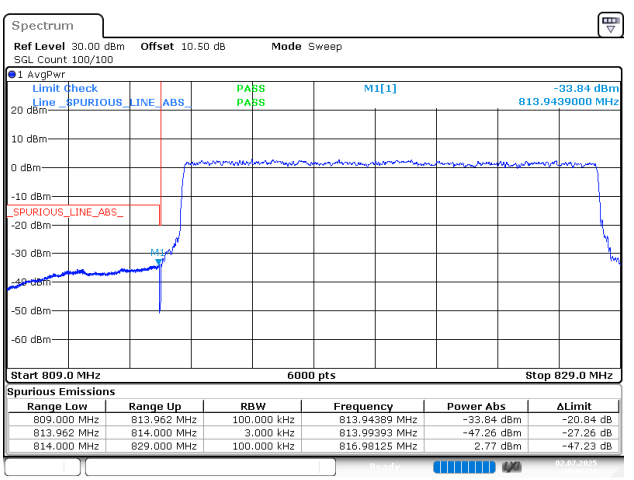
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:06:23

15MHz_Low_16QAM_1@0



ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:06:47

15MHz_Low_16QAM_75@0



ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:07:11

FCC Part 22H

LTE Band 5, Normal

Mode	Result (dBm)	Limit	Verdict
1.4MHz_Low_QPSK_1@0	-20.79	See Graphs	Pass
1.4MHz_Low_QPSK_6@0	-31.28	See Graphs	Pass
1.4MHz_Low_16QAM_1@0	-19.54	See Graphs	Pass
1.4MHz_Low_16QAM_6@0	-31.58	See Graphs	Pass
1.4MHz_High_QPSK_1@5	-18.33	See Graphs	Pass
1.4MHz_High_QPSK_6@0	-27.28	See Graphs	Pass
1.4MHz_High_16QAM_1@5	-18.33	See Graphs	Pass
1.4MHz_High_16QAM_6@0	-27.57	See Graphs	Pass
3MHz_Low_QPSK_1@0	-18.54	See Graphs	Pass
3MHz_Low_QPSK_15@0	-21.67	See Graphs	Pass
3MHz_Low_16QAM_1@0	-18.76	See Graphs	Pass
3MHz_Low_16QAM_15@0	-22.02	See Graphs	Pass
3MHz_High_QPSK_1@14	-32.37	See Graphs	Pass
3MHz_High_QPSK_15@0	-21.58	See Graphs	Pass
3MHz_High_16QAM_1@14	-33.42	See Graphs	Pass
3MHz_High_16QAM_15@0	-21.83	See Graphs	Pass
5MHz_Low_QPSK_1@0	**-13.64**	See Graphs	Pass
5MHz_Low_QPSK_25@0	-26.04	See Graphs	Pass
5MHz_Low_16QAM_1@0	-15.19	See Graphs	Pass
5MHz_Low_16QAM_25@0	-26.44	See Graphs	Pass
5MHz_High_QPSK_1@24	-16.40	See Graphs	Pass
5MHz_High_QPSK_25@0	-27.61	See Graphs	Pass
5MHz_High_16QAM_1@24	-16.44	See Graphs	Pass
5MHz_High_16QAM_25@0	-29.50	See Graphs	Pass
10MHz_Low_QPSK_1@0	-22.97	See Graphs	Pass
10MHz_Low_QPSK_50@0	-35.24	See Graphs	Pass
10MHz_Low_16QAM_1@0	-21.99	See Graphs	Pass
10MHz_Low_16QAM_50@0	-36.49	See Graphs	Pass
10MHz_High_QPSK_1@49	-19.77	See Graphs	Pass
10MHz_High_QPSK_50@0	-30.56	See Graphs	Pass
10MHz_High_16QAM_1@49	-18.66	See Graphs	Pass
10MHz_High_16QAM_50@0	-31.61	See Graphs	Pass

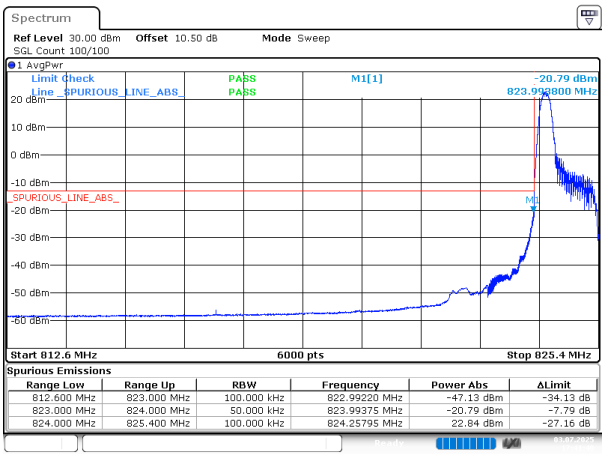
LTE B26_2, Normal

Mode	Result (dBm)	Limit	Verdict
1.4MHz_Low_QPSK_1@0	-18.94	See Graphs	Pass
1.4MHz_Low_QPSK_6@0	-28.51	See Graphs	Pass
1.4MHz_Low_16QAM_1@0	-17.51	See Graphs	Pass
1.4MHz_Low_16QAM_6@0	-29.43	See Graphs	Pass
1.4MHz_High_QPSK_1@5	-19.46	See Graphs	Pass
1.4MHz_High_QPSK_6@0	-26.39	See Graphs	Pass
1.4MHz_High_16QAM_1@5	-20.56	See Graphs	Pass
1.4MHz_High_16QAM_6@0	-27.31	See Graphs	Pass
3MHz_Low_QPSK_1@0	-19.46	See Graphs	Pass
3MHz_Low_QPSK_15@0	-21.54	See Graphs	Pass
3MHz_Low_16QAM_1@0	-18.86	See Graphs	Pass
3MHz_Low_16QAM_15@0	-22.22	See Graphs	Pass
3MHz_High_QPSK_1@14	-32.79	See Graphs	Pass
3MHz_High_QPSK_15@0	-21.74	See Graphs	Pass
3MHz_High_16QAM_1@14	-32.45	See Graphs	Pass
3MHz_High_16QAM_15@0	-22.32	See Graphs	Pass
5MHz_Low_QPSK_1@0	-15.29	See Graphs	Pass
5MHz_Low_QPSK_25@0	-24.75	See Graphs	Pass
5MHz_Low_16QAM_1@0	-14.94	See Graphs	Pass
5MHz_Low_16QAM_25@0	-25.25	See Graphs	Pass
5MHz_High_QPSK_1@24	**-14.07**	See Graphs	Pass
5MHz_High_QPSK_25@0	-26.21	See Graphs	Pass
5MHz_High_16QAM_1@24	-14.43	See Graphs	Pass
5MHz_High_16QAM_25@0	-26.35	See Graphs	Pass
10MHz_Low_QPSK_1@0	-20.00	See Graphs	Pass
10MHz_Low_QPSK_50@0	-32.04	See Graphs	Pass
10MHz_Low_16QAM_1@0	-21.51	See Graphs	Pass
10MHz_Low_16QAM_50@0	-32.35	See Graphs	Pass
10MHz_High_QPSK_1@49	-19.69	See Graphs	Pass

Mode	Result (dBm)	Limit	Verdict
10MHz_High_QPSK_50@0	-31.87	See Graphs	Pass
10MHz_High_16QAM_1@49	-19.22	See Graphs	Pass
10MHz_High_16QAM_50@0	-31.85	See Graphs	Pass
15MHz_Low_QPSK_1@0	-17.05	See Graphs	Pass
15MHz_Low_QPSK_75@0	-28.88	See Graphs	Pass
15MHz_Low_16QAM_1@0	-16.59	See Graphs	Pass
15MHz_Low_16QAM_75@0	-29.44	See Graphs	Pass
15MHz_High_QPSK_1@74	-17.31	See Graphs	Pass
15MHz_High_QPSK_75@0	-29.33	See Graphs	Pass
15MHz_High_16QAM_1@74	-17.34	See Graphs	Pass
15MHz_High_16QAM_75@0	-29.89	See Graphs	Pass

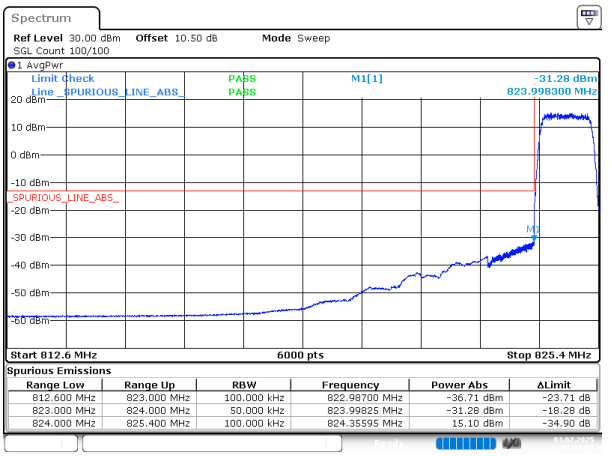
LTE Band 5, Normal

1.4MHz_Low_QPSK_1@0



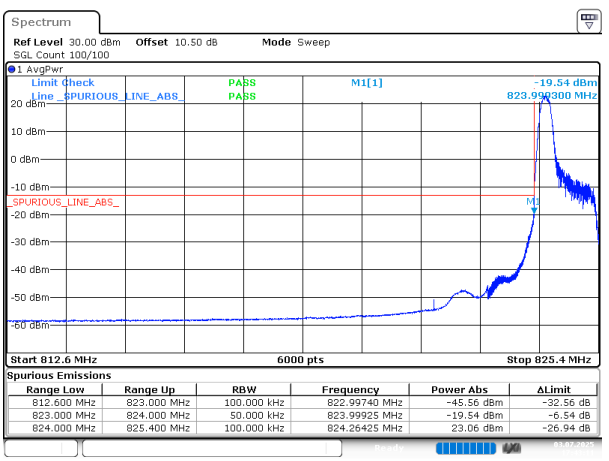
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:41:41

1.4MHz_Low_QPSK_6@0



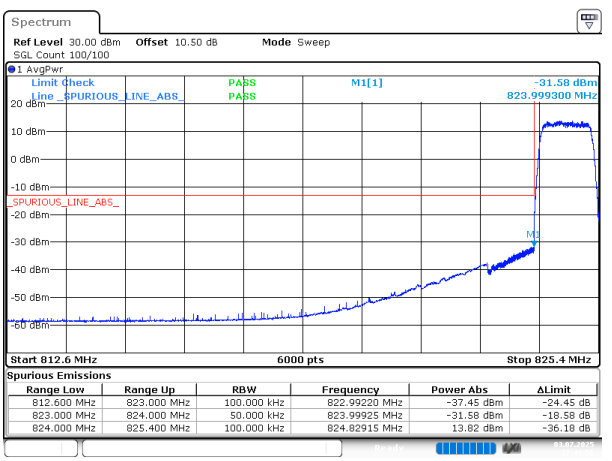
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:42:26

1.4MHz_Low_16QAM_1@0



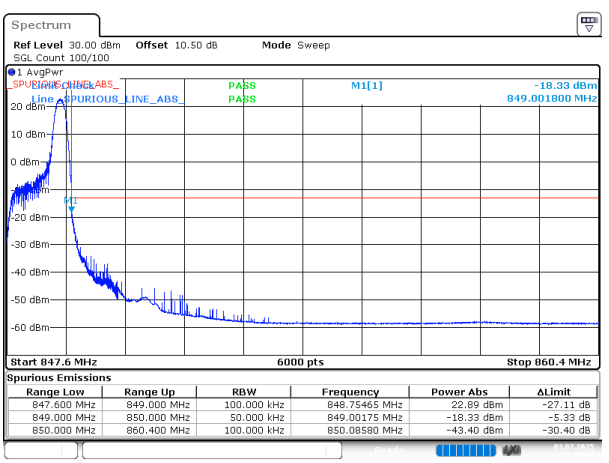
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:43:11

1.4MHz_Low_16QAM_6@0



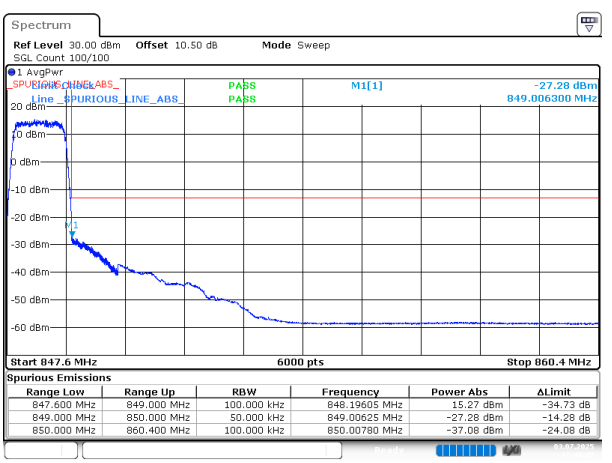
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:43:57

1.4MHz_High_QPSK_1@5



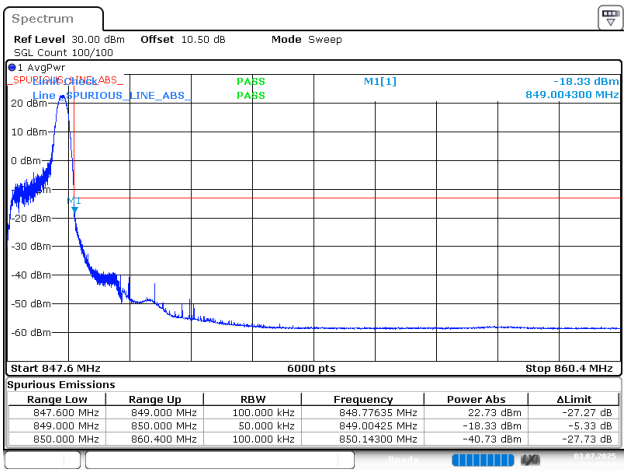
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:44:42

1.4MHz_High_QPSK_6@0



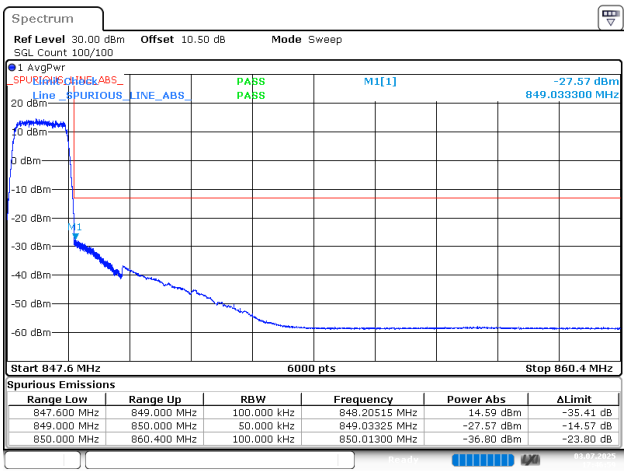
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:45:28

1.4MHz_High_16QAM_1@5



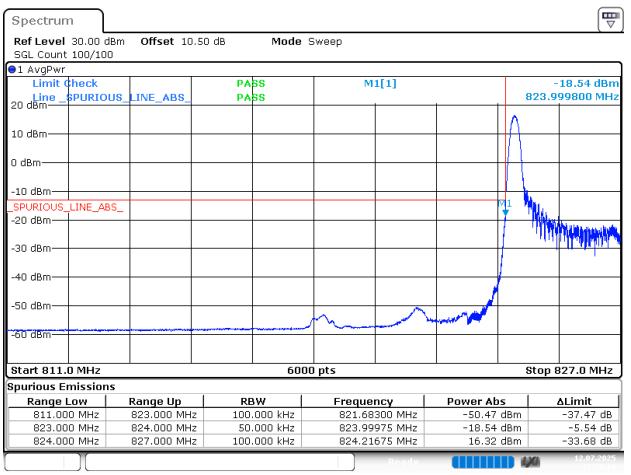
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:46:15

1.4MHz_High_16QAM_6@0



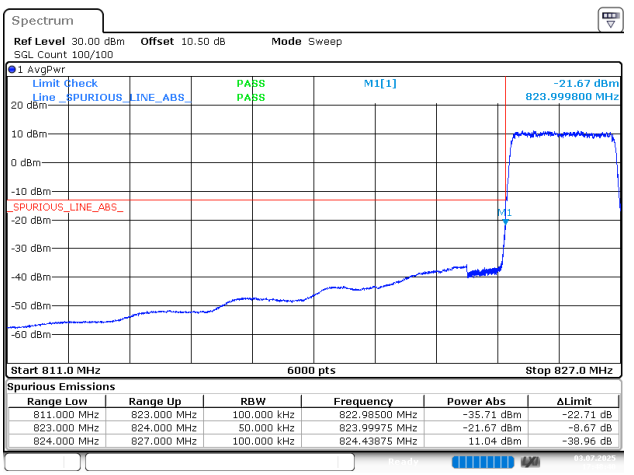
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:47:00

3MHz_Low_QPSK_1@0



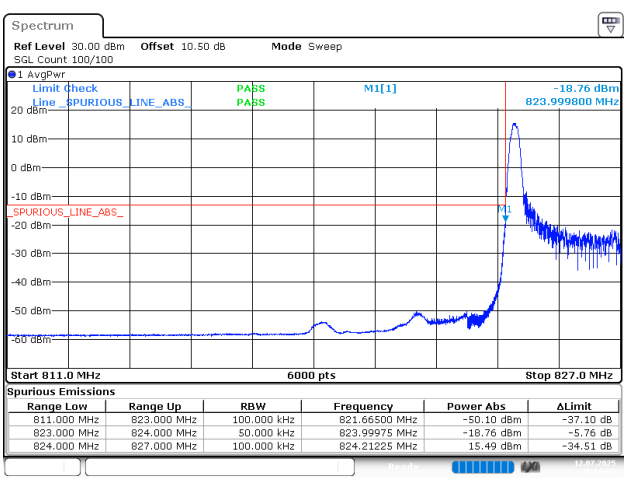
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 15:55:20

3MHz_Low_QPSK_15@0



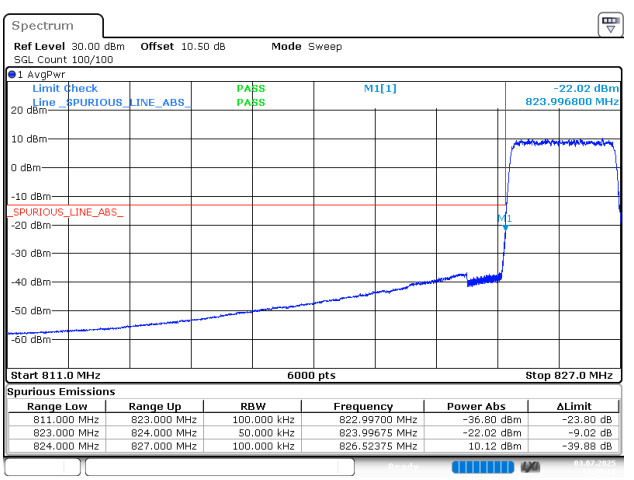
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:48:41

3MHz_Low_16QAM_1@0



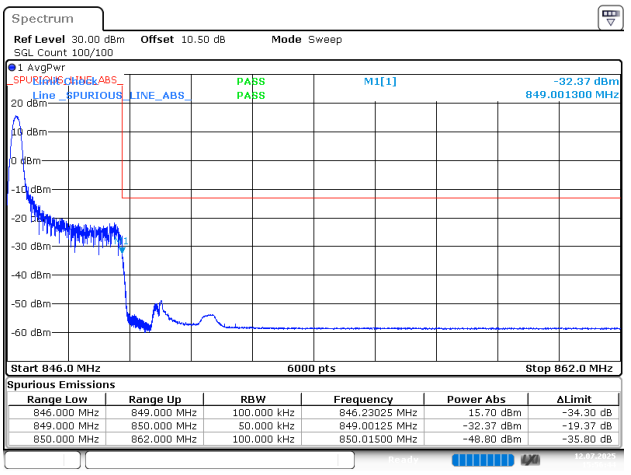
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 15:56:02

3MHz_Low_16QAM_15@0



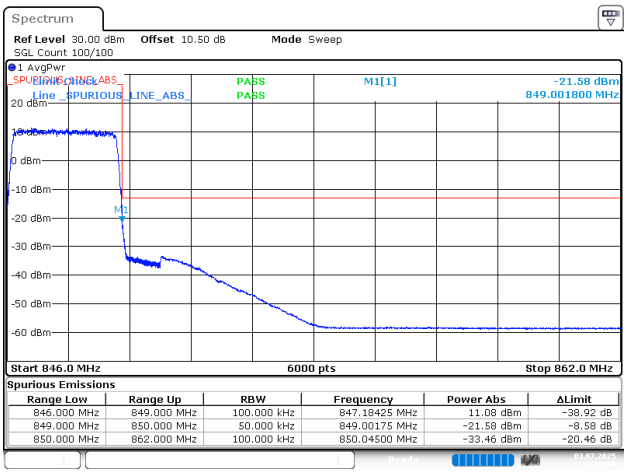
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:50:18

3MHz_High_QPSK_1@14



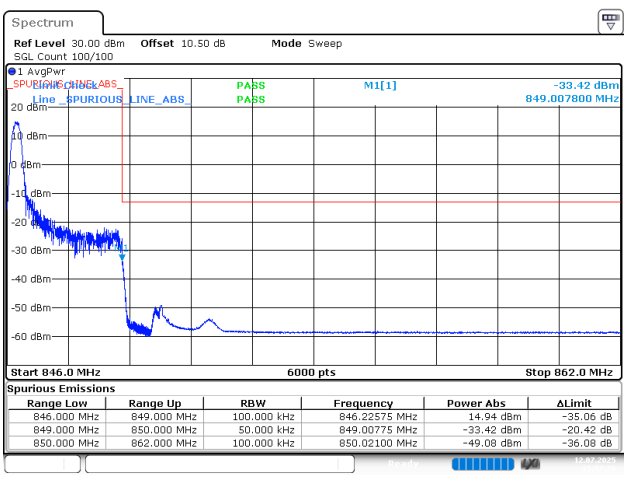
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 15:56:44

3MHz_High_QPSK_15@0



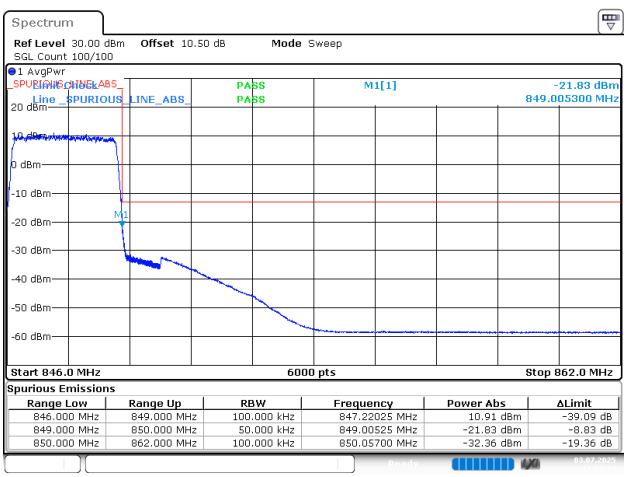
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:51:56

3MHz_High_16QAM_1@14



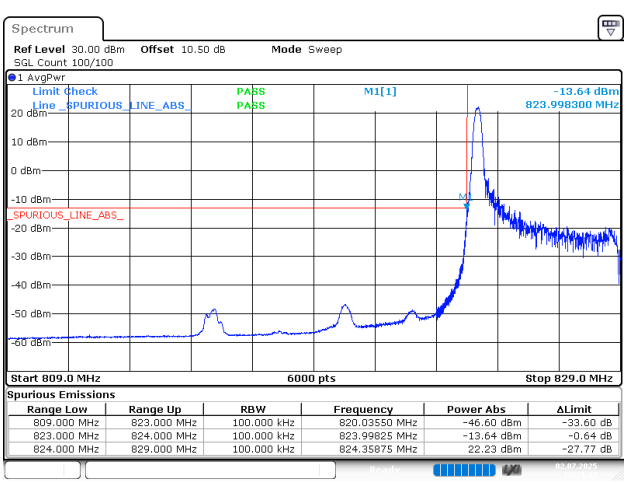
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 15:57:26

3MHz_High_16QAM_15@0



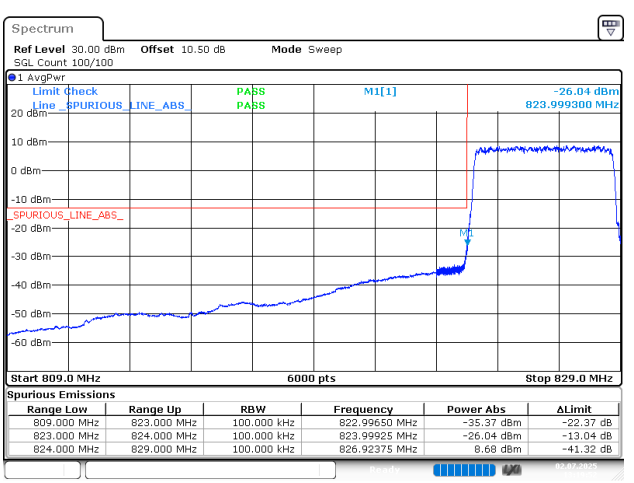
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 3.JUL.2025 17:53:34

5MHz_Low_QPSK_1@0



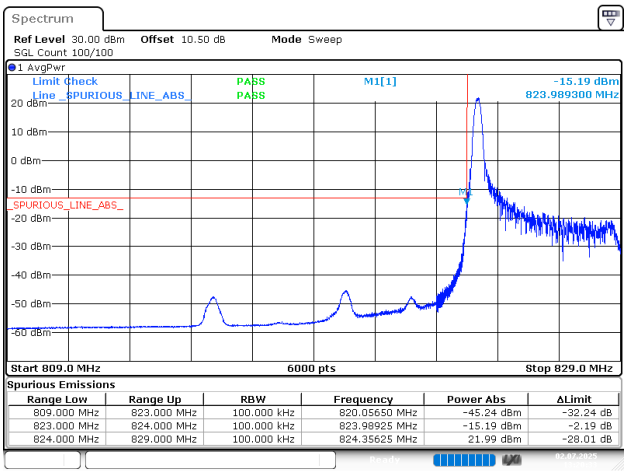
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:19:13

5MHz_Low_QPSK_25@0



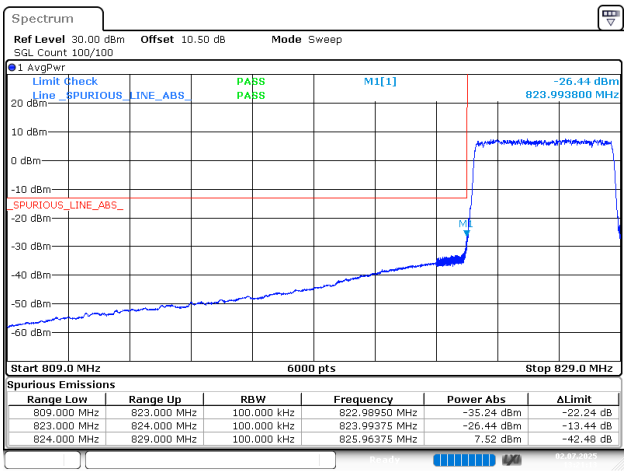
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:19:53

5MHz_Low_16QAM_1@0



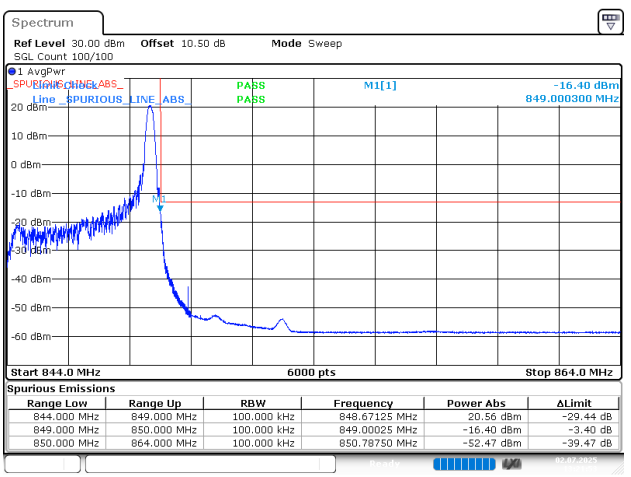
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:20:33

5MHz_Low_16QAM_25@0



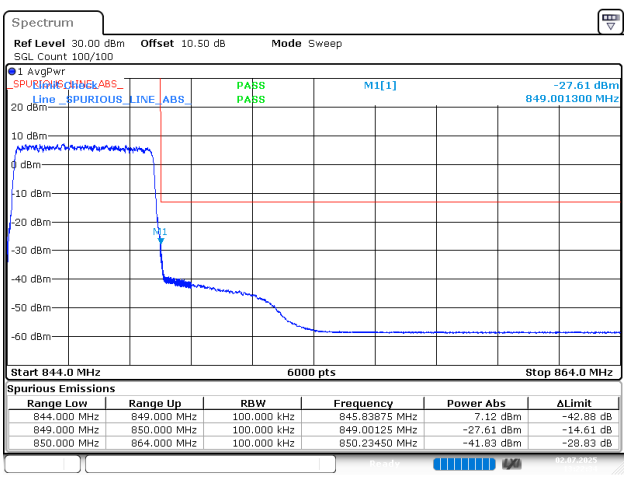
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:21:13

5MHz_High_QPSK_1@24



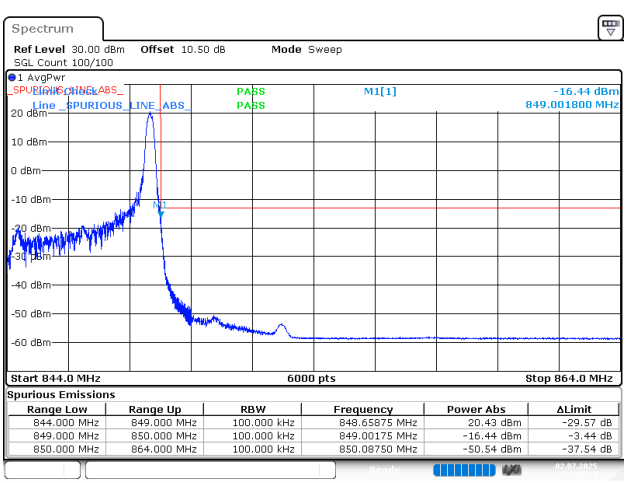
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:21:54

5MHz_High_QPSK_25@0



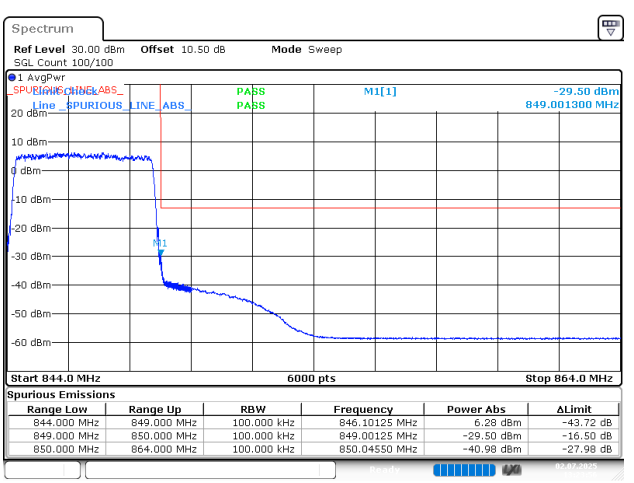
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:22:34

5MHz_High_16QAM_1@24



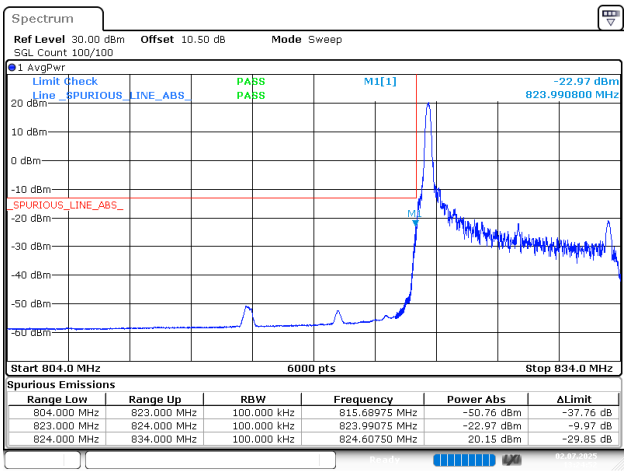
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:23:15

5MHz_High_16QAM_25@0



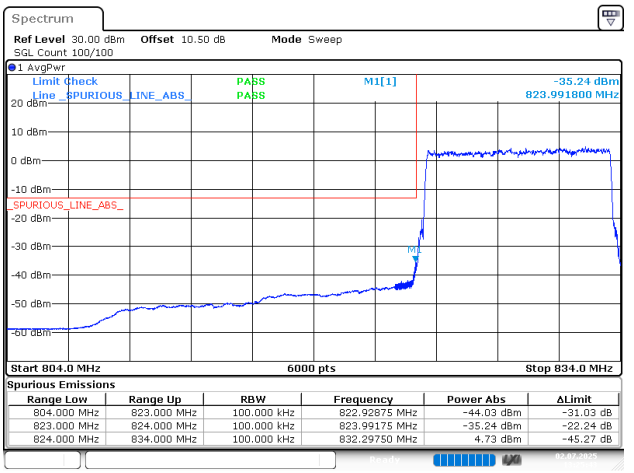
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:23:57

10MHz_Low_QPSK_1@0



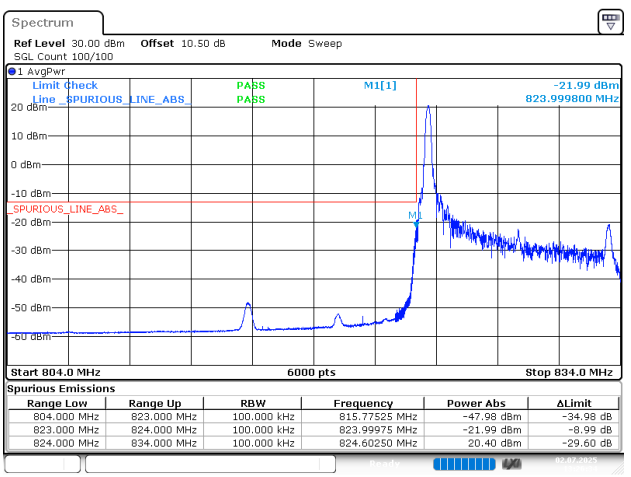
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:24:52

10MHz_Low_QPSK_50@0



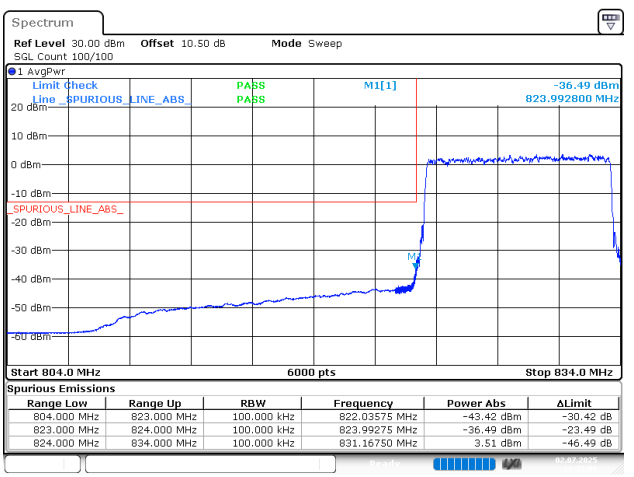
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:25:43

10MHz_Low_16QAM_1@0



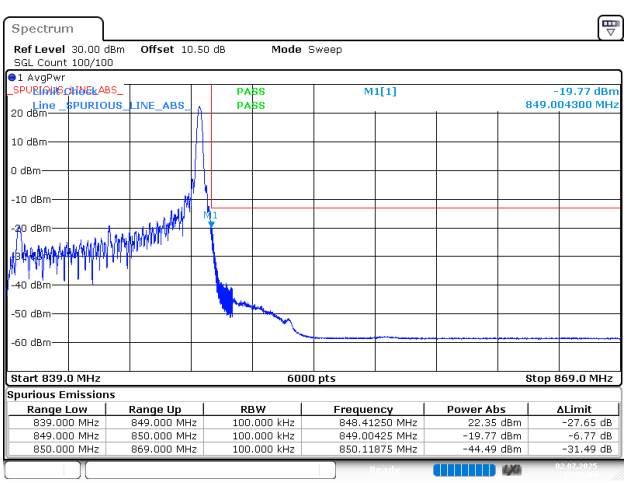
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:26:34

10MHz_Low_16QAM_50@0



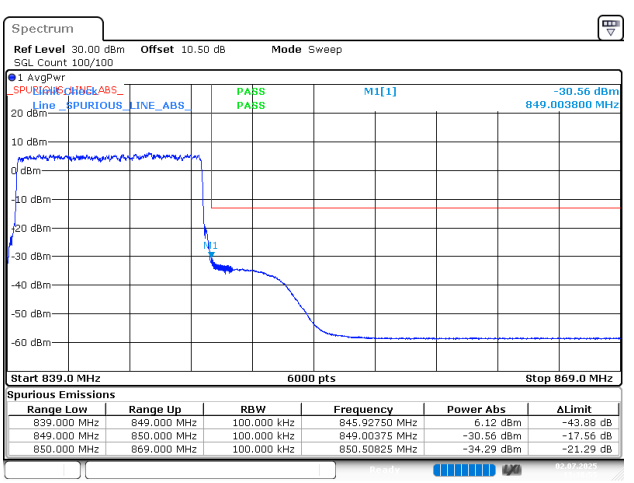
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:37:01

10MHz_High_QPSK_1@49



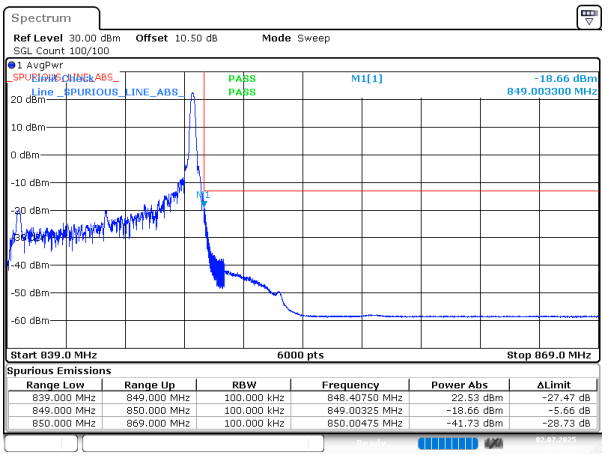
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:38:04

10MHz_High_QPSK_50@0



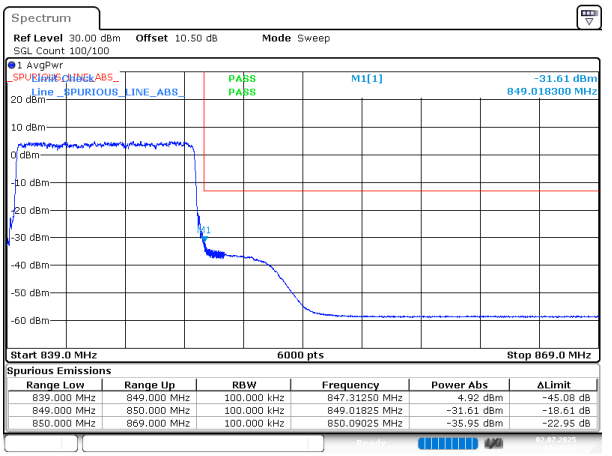
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:38:55

10MHz_High_16QAM_1@49



ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:39:46

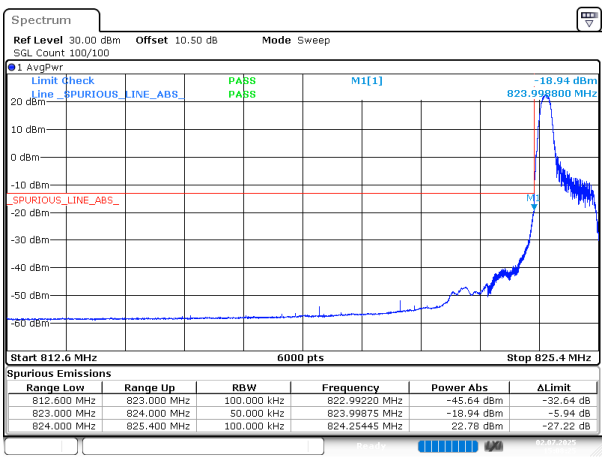
10MHz_High_16QAM_50@0



ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 13:40:37

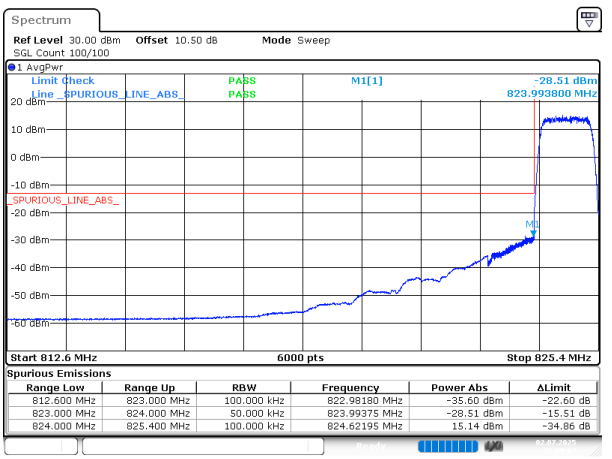
LTE B26_2, Normal

1.4MHz_Low_QPSK_1@0



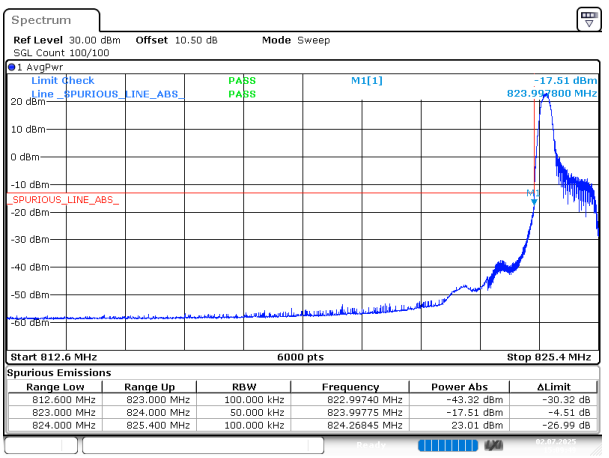
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:08:24

1.4MHz_Low_QPSK_6@0



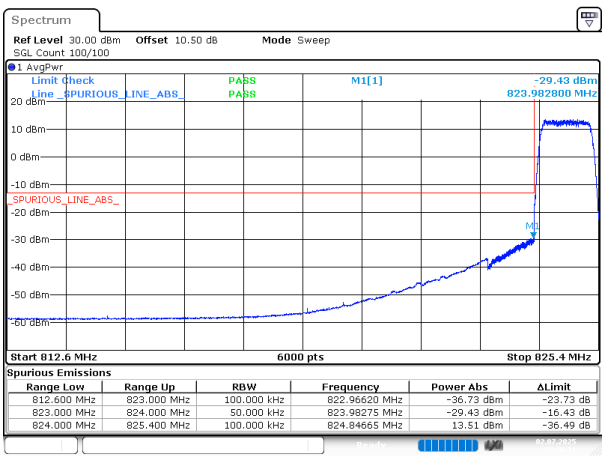
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:09:07

1.4MHz_Low_16QAM_1@0



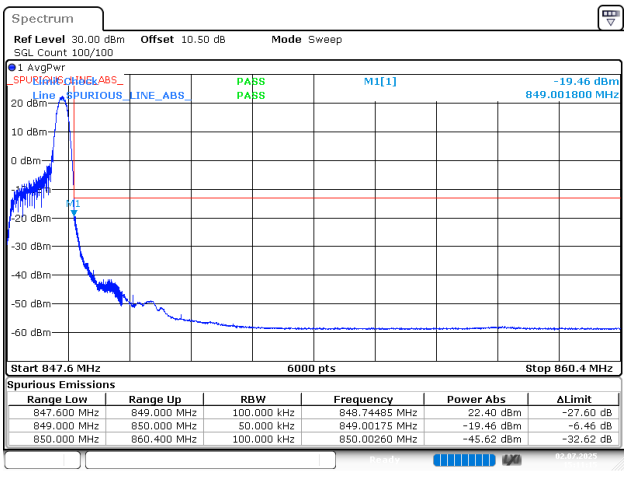
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:09:49

1.4MHz_Low_16QAM_6@0



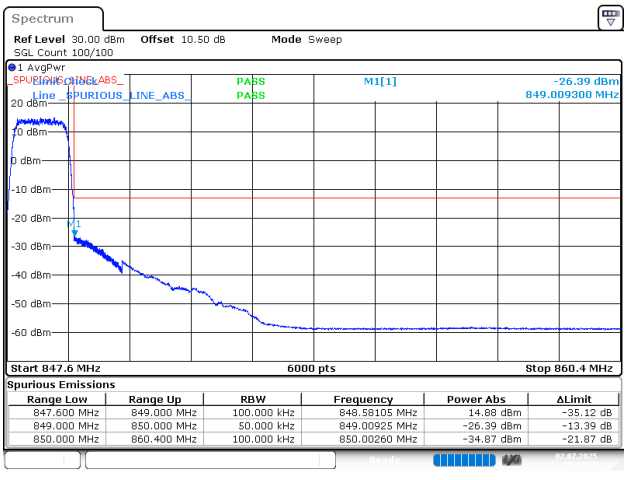
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:10:31

1.4MHz_High_QPSK_1@5



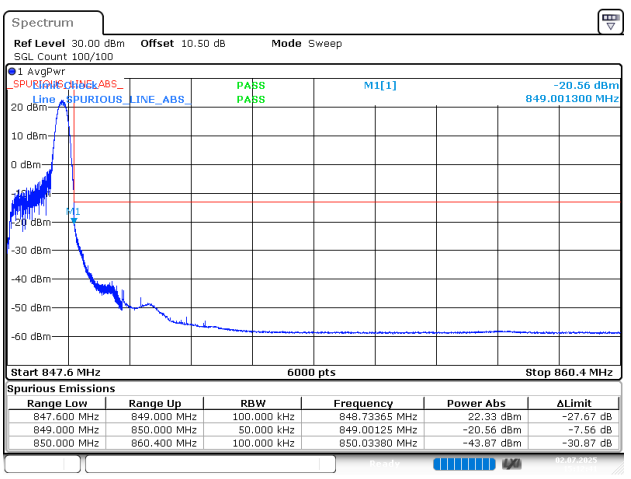
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:11:15

1.4MHz_High_QPSK_6@0



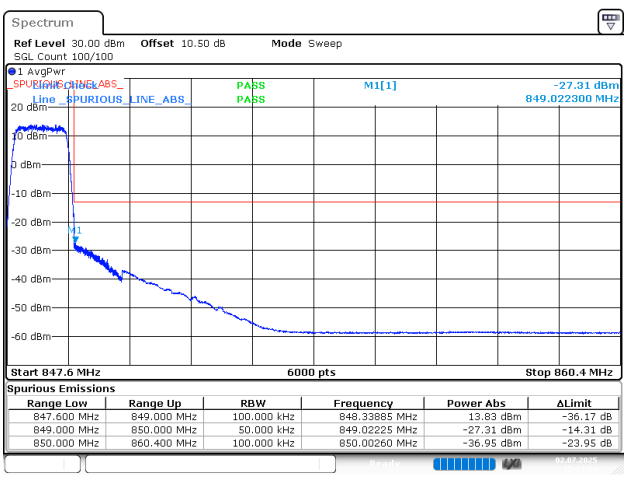
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:11:58

1.4MHz_High_16QAM_1@5



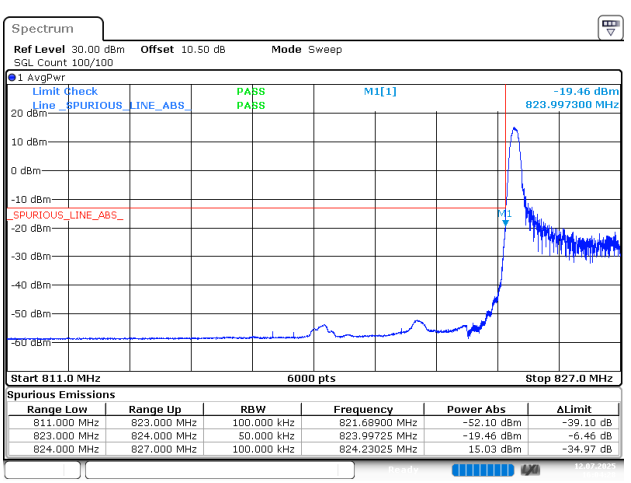
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:12:41

1.4MHz_High_16QAM_6@0



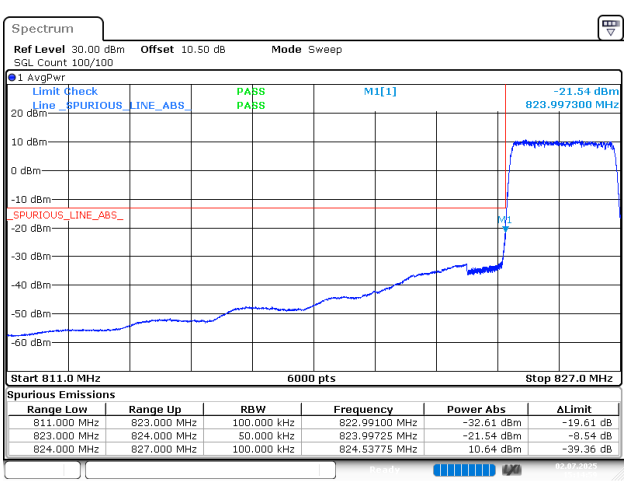
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:13:24

3MHz_Low_QPSK_1@0



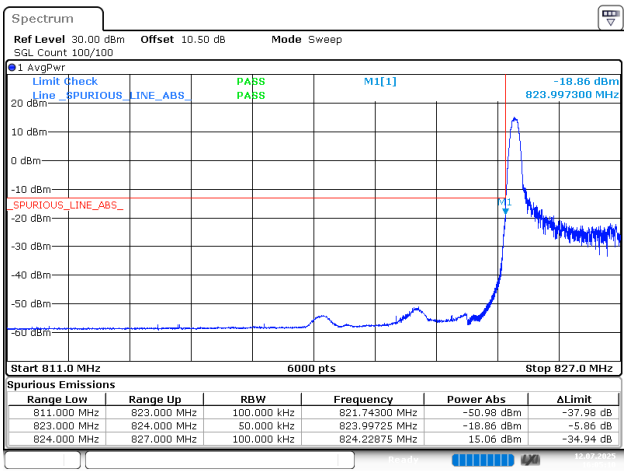
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:04:28

3MHz_Low_QPSK_15@0



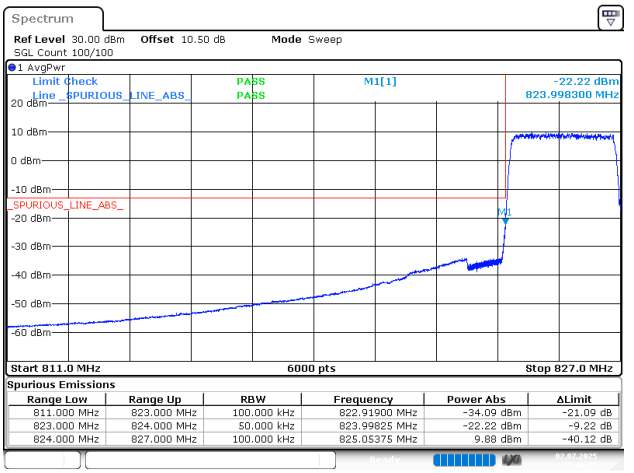
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:14:59

3MHz_Low_16QAM_1@0



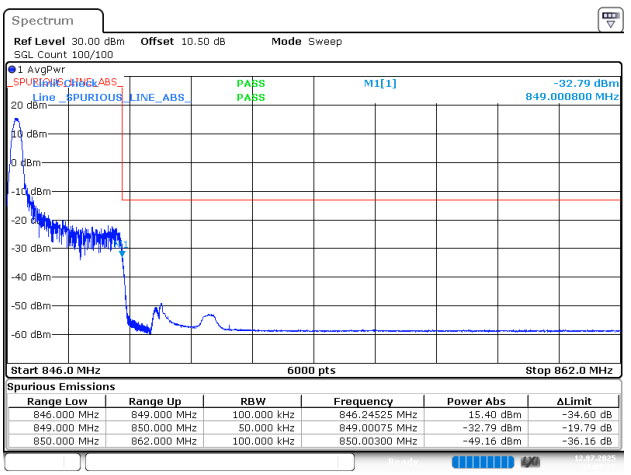
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:05:11

3MHz_Low_16QAM_15@0



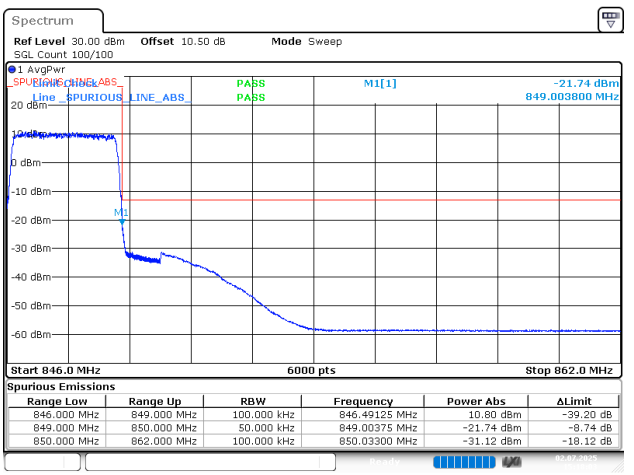
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:16:30

3MHz_High_QPSK_1@14



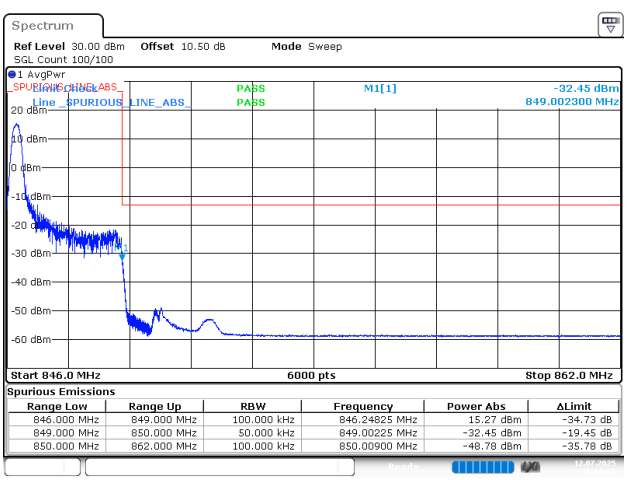
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:05:53

3MHz_High_QPSK_15@0



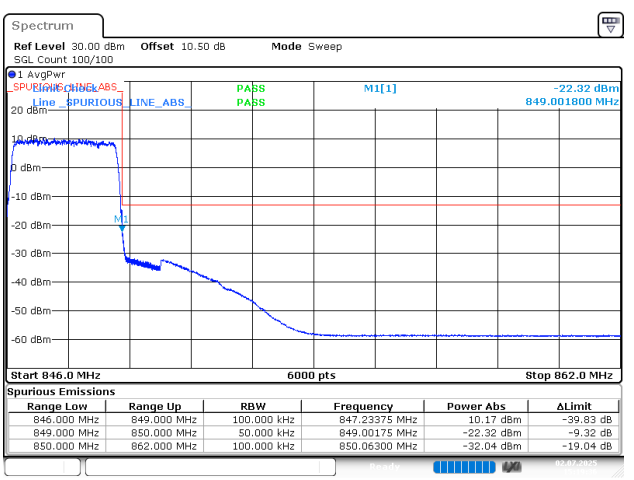
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:18:02

3MHz_High_16QAM_1@14



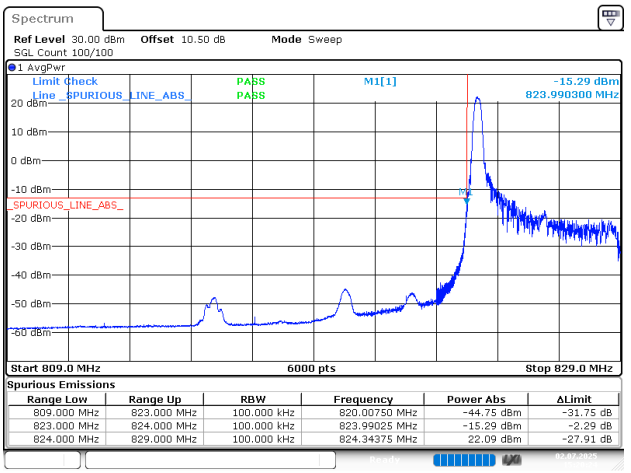
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 12.JUL.2025 16:06:36

3MHz_High_16QAM_15@0



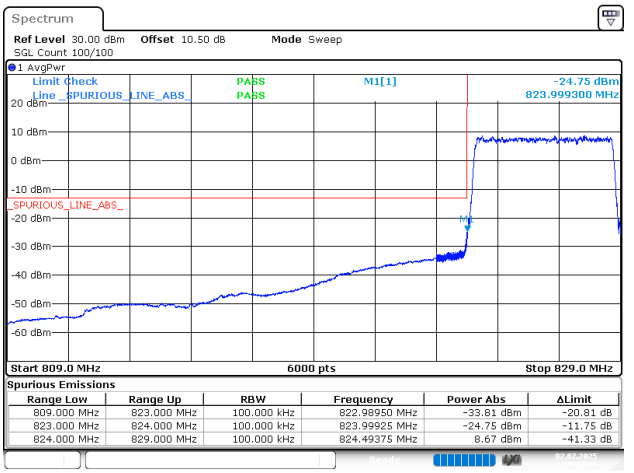
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:19:36

5MHz_Low_QPSK_1@0



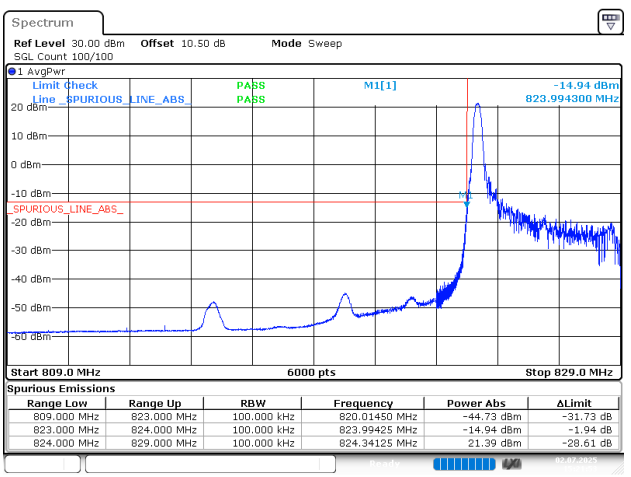
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:20:24

5MHz_Low_QPSK_25@0



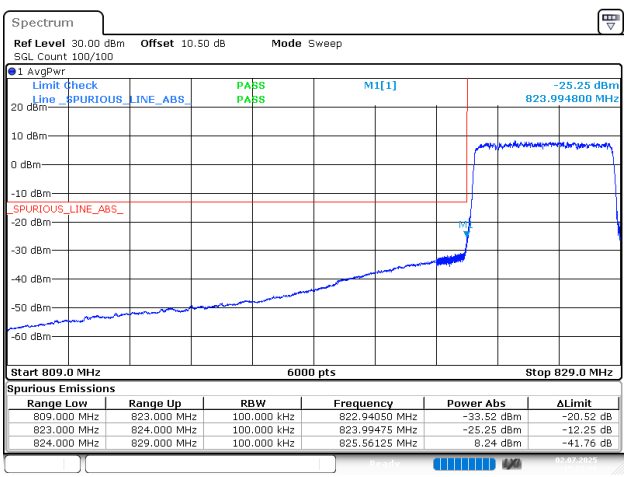
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:21:08

5MHz_Low_16QAM_1@0



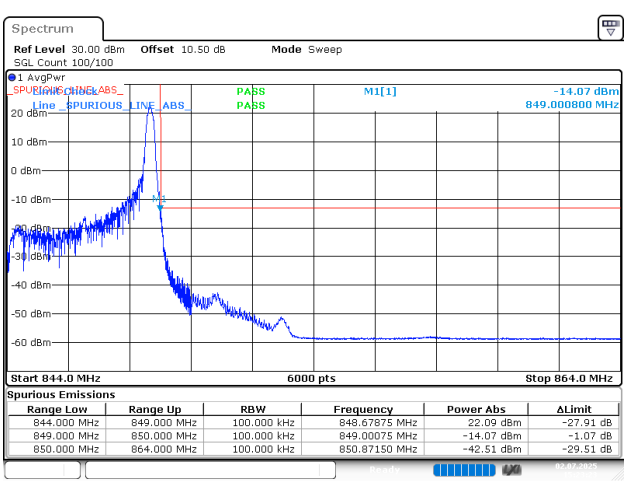
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:21:53

5MHz_Low_16QAM_25@0



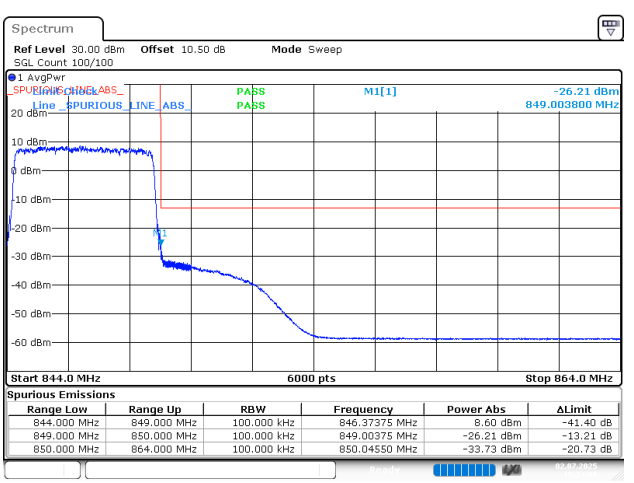
ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:22:38

5MHz_High_QPSK_1@24



ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:23:23

5MHz_High_QPSK_25@0



ProjectNo.:2501U63859E-RF Tester:Leo Lin
Date: 2.JUL.2025 15:24:08