Out of band emission,Band Edge

FCC Part 27N

B71 , Normal

Mode	Result (dBm)	Limit	Verdict
5MHz_Low_QPSK_1@0	-15.99	See Graphs	Pass
5MHz_Low_QPSK_25@0	-27.47	See Graphs	Pass
5MHz_Low_16QAM_1@0	-15.96	See Graphs	Pass
5MHz_Low_16QAM_25@0	-28.06	See Graphs	Pass
5MHz_High_QPSK_1@24	-16.32	See Graphs	Pass
5MHz_High_QPSK_25@0	-28.30	See Graphs	Pass
5MHz_High_16QAM_1@24	-16.24	See Graphs	Pass
5MHz_High_16QAM_25@0	-28.89	See Graphs	Pass
10MHz_Low_QPSK_1@0	-20.79	See Graphs	Pass
10MHz_Low_QPSK_50@0	-31.59	See Graphs	Pass
10MHz_Low_16QAM_1@0	-21.55	See Graphs	Pass
10MHz_Low_16QAM_50@0	-32.52	See Graphs	Pass
10MHz_High_QPSK_1@49	-20.44	See Graphs	Pass
10MHz_High_QPSK_50@0	-33.17	See Graphs	Pass
10MHz_High_16QAM_1@49	-20.44	See Graphs	Pass
10MHz_High_16QAM_50@0	-33.18	See Graphs	Pass
15MHz_Low_QPSK_1@0	-23.28	See Graphs	Pass
15MHz_Low_QPSK_75@0	-32.45	See Graphs	Pass
15MHz_Low_16QAM_1@0	-23.85	See Graphs	Pass
15MHz_Low_16QAM_75@0	-34.24	See Graphs	Pass
15MHz_High_QPSK_1@74	-23.24	See Graphs	Pass
15MHz_High_QPSK_75@0	-34.84	See Graphs	Pass
15MHz_High_16QAM_1@74	-23.31	See Graphs	Pass
15MHz_High_16QAM_75@0	-35.77	See Graphs	Pass
20MHz_Low_QPSK_1@0	-27.53	See Graphs	Pass
20MHz_Low_QPSK_100@0	-35.17	See Graphs	Pass
20MHz_Low_16QAM_1@0	-28.32	See Graphs	Pass
20MHz_Low_16QAM_100@0	-36.17	See Graphs	Pass
20MHz_High_QPSK_1@99	-27.23	See Graphs	Pass
20MHz_High_QPSK_100@0	-37.06	See Graphs	Pass

Mode	Result (dBm)	Limit	Verdict
20MHz_High_16QAM_1@99	-26.84	See Graphs	Pass
20MHz_High_16QAM_100@0	-37.04	See Graphs	Pass

B71 , Normal

5MHz_Low_QPSK_1@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.900 MHz	100.000 kHz	662.89628 MHz	-16.22 dBm	-3.22 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99762 MHz	-15.99 dBm	-2.99 dB
663.000 MHz	668.000 MHz	100.000 kHz	663.34375 MHz	20.34 dBm	-29.66 dB
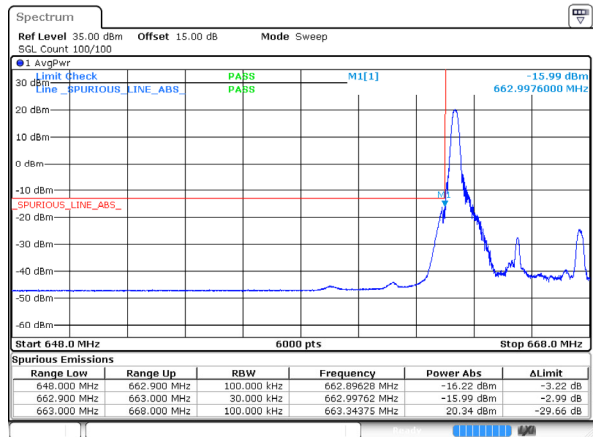
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 16:58:17

5MHz_Low_QPSK_25@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.900 MHz	100.000 kHz	662.89628 MHz	-27.47 dBm	-14.47 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.98143 MHz	-28.63 dBm	-15.63 dB
663.000 MHz	668.000 MHz	100.000 kHz	663.53125 MHz	6.59 dBm	-43.41 dB
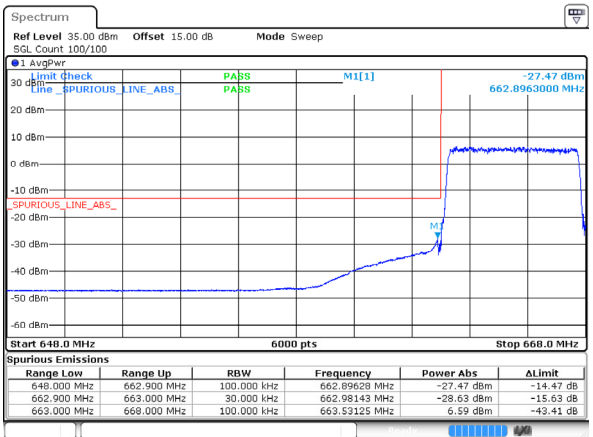
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 16:58:58

5MHz_Low_16QAM_1@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.900 MHz	100.000 kHz	662.88883 MHz	-16.49 dBm	-3.49 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99408 MHz	-15.96 dBm	-2.96 dB
663.000 MHz	668.000 MHz	100.000 kHz	663.33625 MHz	19.47 dBm	-30.53 dB
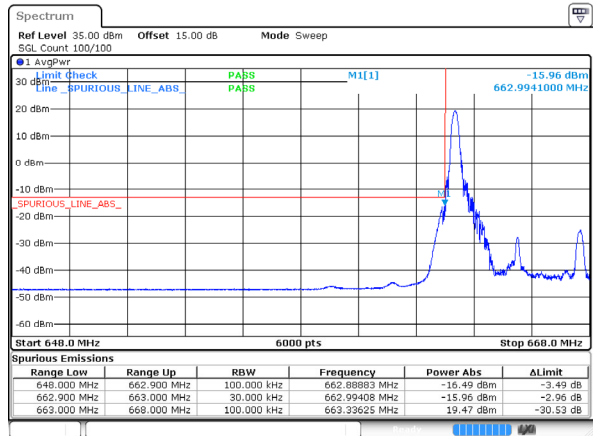
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 16:59:39

5MHz_Low_16QAM_25@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.900 MHz	100.000 kHz	662.89628 MHz	-28.06 dBm	-15.06 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99843 MHz	-28.30 dBm	-15.30 dB
663.000 MHz	668.000 MHz	100.000 kHz	665.15975 MHz	5.80 dBm	-44.20 dB
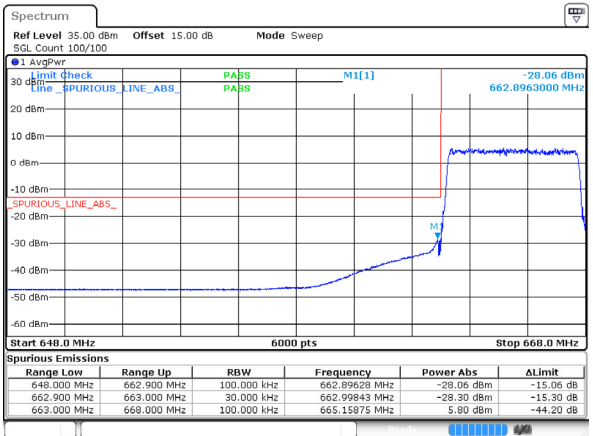
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:00:20

5MHz_High_QPSK_1@24

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
693.000 MHz	698.000 MHz	100.000 kHz	697.65625 MHz	20.41 dBm	-29.59 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00208 MHz	-16.32 dBm	-3.32 dB
698.100 MHz	713.000 MHz	100.000 kHz	698.11118 MHz	-16.93 dBm	-3.93 dB
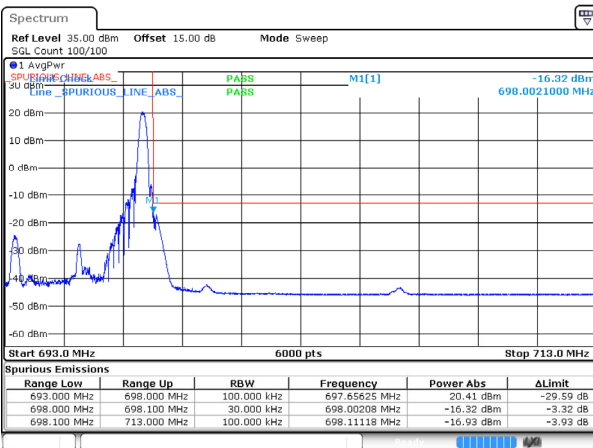
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:29:27

5MHz_High_QPSK_25@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
693.000 MHz	698.000 MHz	100.000 kHz	696.34625 MHz	6.61 dBm	-43.39 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00368 MHz	-28.30 dBm	-15.30 dB
698.100 MHz	713.000 MHz	100.000 kHz	698.11118 MHz	-28.87 dBm	-15.87 dB
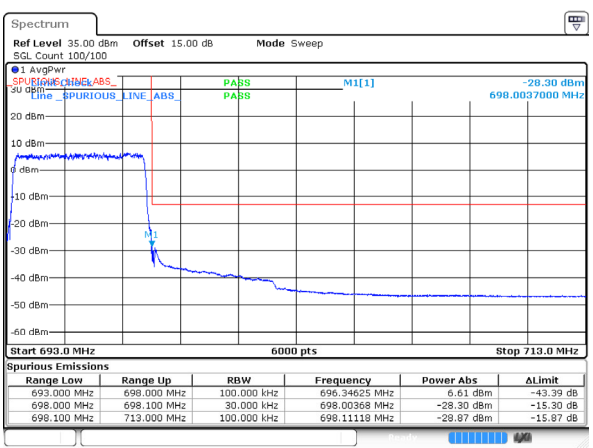
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:01:48

5MHz_High_16QAM_1@24

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
693.000 MHz	698.000 MHz	100.000 kHz	697.66375 MHz	20.47 dBm	-29.53 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00578 MHz	-16.24 dBm	-3.24 dB
698.100 MHz	713.000 MHz	100.000 kHz	698.10372 MHz	-17.04 dBm	-4.04 dB
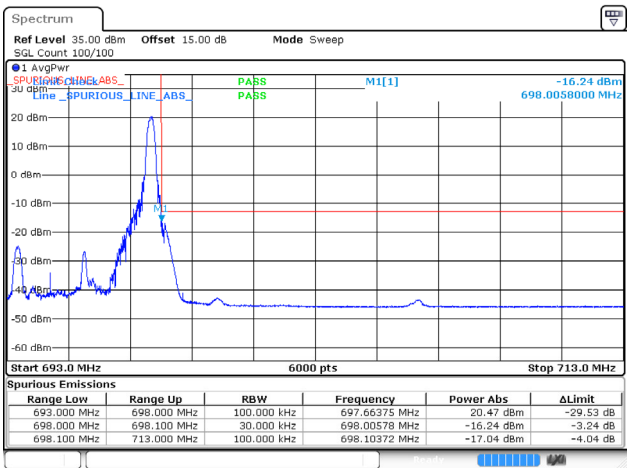
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:31:47

5MHz_High_16QAM_25@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
693.000 MHz	698.000 MHz	100.000 kHz	695.41375 MHz	5.62 dBm	-44.38 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00003 MHz	-29.30 dBm	-16.30 dB
698.100 MHz	713.000 MHz	100.000 kHz	698.11118 MHz	-28.89 dBm	-15.89 dB
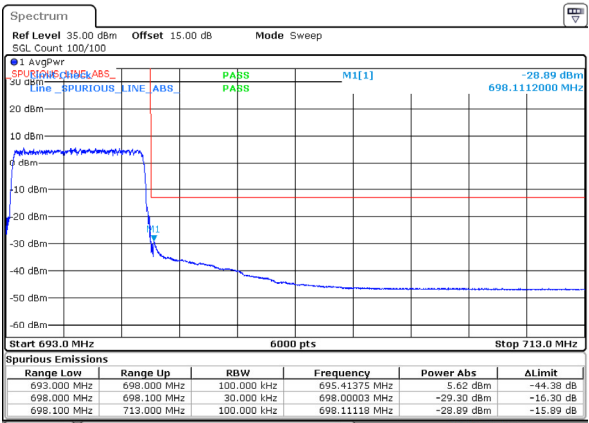
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:03:11

10MHz_Low_QPSK_1@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.900 MHz	100.000 kHz	662.89503 MHz	-20.79 dBm	-7.79 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99298 MHz	-20.98 dBm	-7.98 dB
663.000 MHz	673.000 MHz	100.000 kHz	663.57250 MHz	20.22 dBm	-29.78 dB
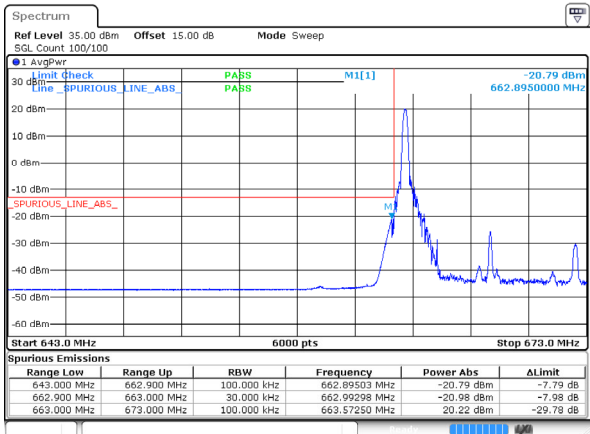
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:04:43

10MHz_Low_QPSK_50@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.900 MHz	100.000 kHz	662.88508 MHz	-31.59 dBm	-18.59 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99808 MHz	-34.02 dBm	-21.02 dB
663.000 MHz	673.000 MHz	100.000 kHz	665.49250 MHz	4.00 dBm	-46.00 dB
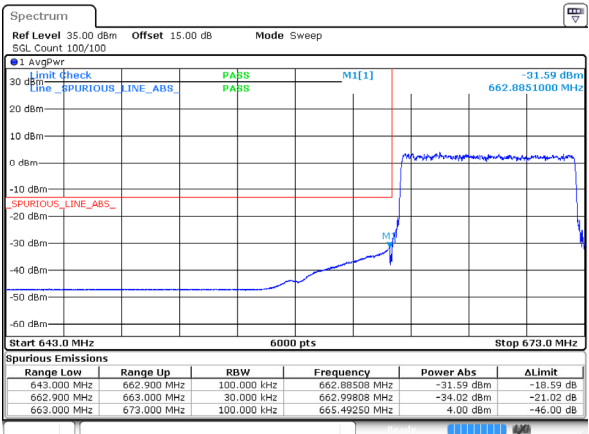
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:05:35

10MHz_Low_16QAM_1@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.900 MHz	100.000 kHz	662.87513 MHz	-21.55 dBm	-8.55 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.97822 MHz	-22.25 dBm	-9.25 dB
663.000 MHz	673.000 MHz	100.000 kHz	663.56250 MHz	19.90 dBm	-30.10 dB
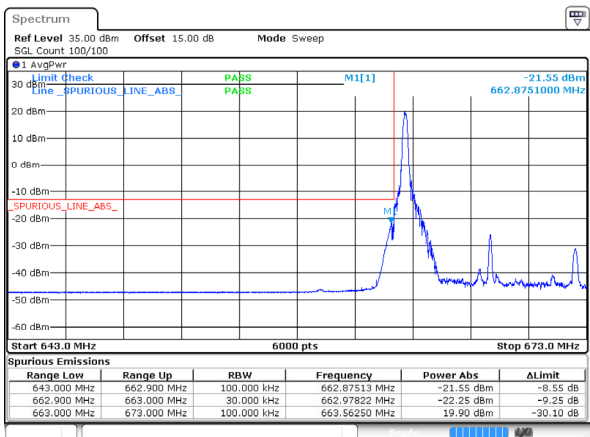
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:06:27

10MHz_Low_16QAM_50@0

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.900 MHz	100.000 kHz	662.89503 MHz	-32.52 dBm	-19.52 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99408 MHz	-35.18 dBm	-22.18 dB
663.000 MHz	673.000 MHz	100.000 kHz	663.90250 MHz	2.79 dBm	-47.21 dB
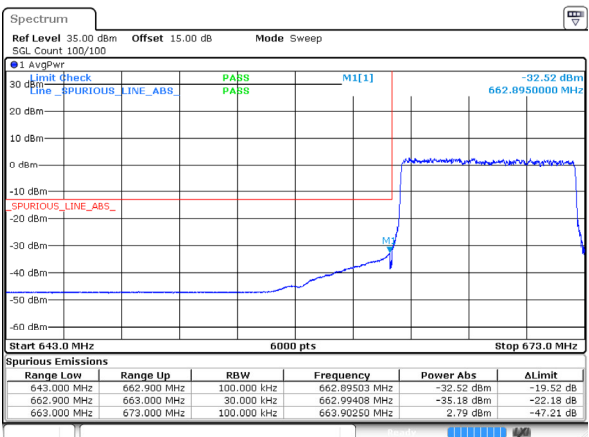
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:07:18

10MHz_High_QPSK_1@49

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	697.41750 MHz	20.14 dBm	-29.86 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00768 MHz	-21.68 dBm	-8.68 dB
698.100 MHz	718.000 MHz	100.000 kHz	698.10497 MHz	-20.44 dBm	-7.44 dB
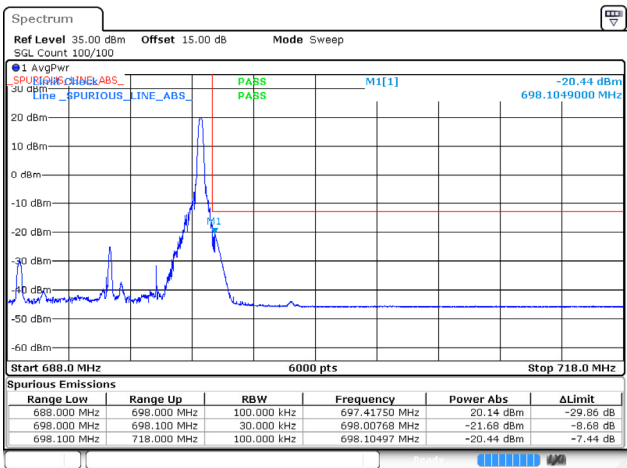
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:33:17

10MHz_High_QPSK_50@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	689.35750 MHz	3.71 dBm	-46.29 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00447 MHz	-35.32 dBm	-22.32 dB
698.100 MHz	718.000 MHz	100.000 kHz	698.10497 MHz	-33.17 dBm	-20.17 dB
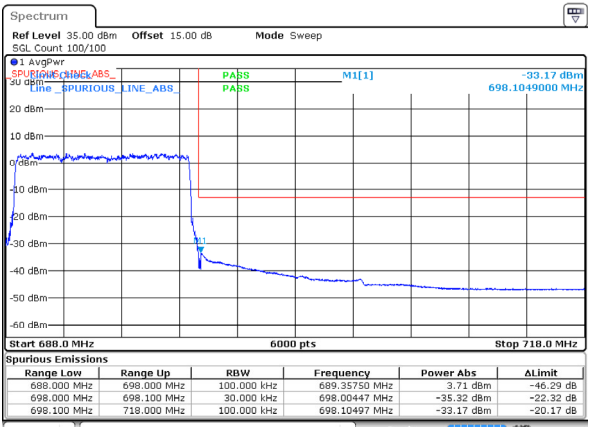
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:09:08

10MHz_High_16QAM_1@49

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	697.38250 MHz	20.45 dBm	-29.55 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.00003 MHz	-21.35 dBm	-8.35 dB
698.100 MHz	718.000 MHz	100.000 kHz	698.10497 MHz	-20.44 dBm	-7.44 dB
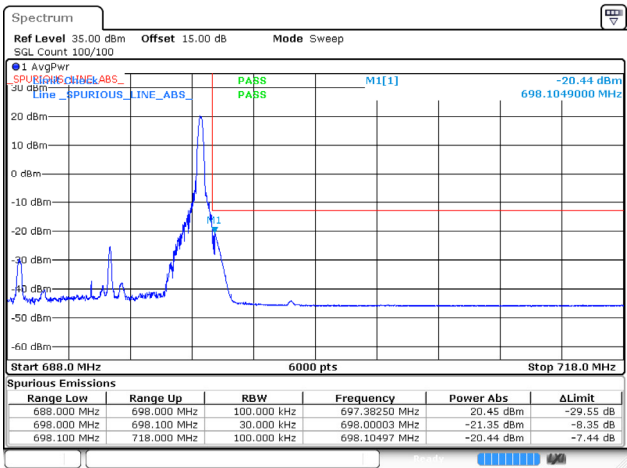
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:34:09

10MHz_High_16QAM_50@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
688.000 MHz	698.000 MHz	100.000 kHz	689.53250 MHz	2.51 dBm	-47.49 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.03978 MHz	-35.19 dBm	-22.19 dB
698.100 MHz	718.000 MHz	100.000 kHz	698.10497 MHz	-33.18 dBm	-20.18 dB
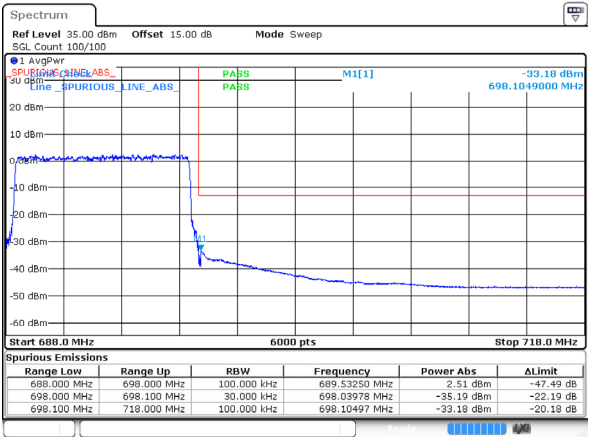
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:10:53

15MHz_Low_QPSK_1@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
638.000 MHz	662.900 MHz	100.000 kHz	662.89750 MHz	-23.28 dBm	-10.28 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99868 MHz	-25.23 dBm	-12.23 dB
663.000 MHz	678.000 MHz	100.000 kHz	663.83625 MHz	19.72 dBm	-30.28 dB
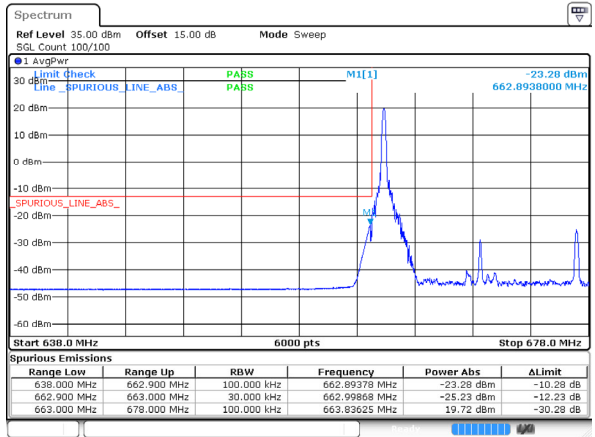
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:12:37

15MHz_Low_QPSK_75@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
638.000 MHz	662.900 MHz	100.000 kHz	662.88133 MHz	-32.45 dBm	-19.45 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99347 MHz	-35.50 dBm	-22.50 dB
663.000 MHz	678.000 MHz	100.000 kHz	665.45625 MHz	1.81 dBm	-48.19 dB
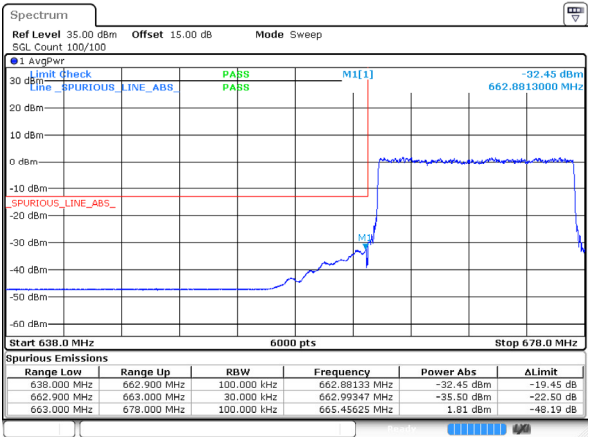
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:13:40

15MHz_Low_16QAM_1@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
638.000 MHz	662.900 MHz	100.000 kHz	662.89378 MHz	-23.85 dBm	-10.85 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.99203 MHz	-25.07 dBm	-12.07 dB
663.000 MHz	678.000 MHz	100.000 kHz	663.82875 MHz	19.49 dBm	-30.51 dB
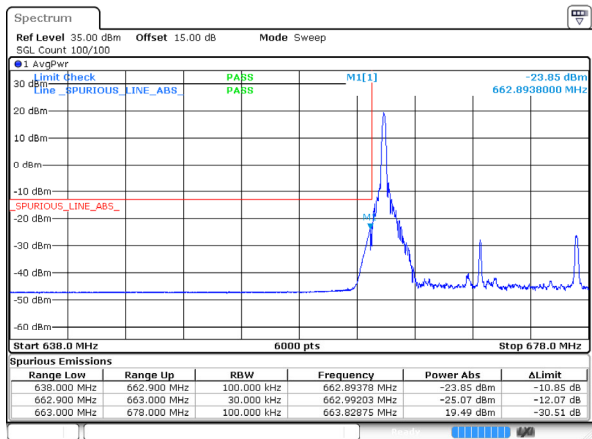
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:14:43

15MHz_Low_16QAM_75@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
638.000 MHz	662.900 MHz	100.000 kHz	662.88133 MHz	-34.24 dBm	-21.24 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.94603 MHz	-37.48 dBm	-24.48 dB
663.000 MHz	678.000 MHz	100.000 kHz	666.25875 MHz	0.68 dBm	-49.32 dB
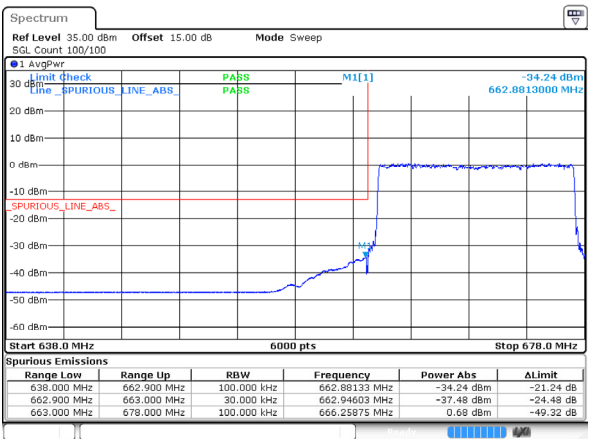
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:15:46

15MHz_High_QPSK_1@74

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	697.18625 MHz	19.85 dBm	-30.15 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.01847 MHz	-24.71 dBm	-11.71 dB
698.100 MHz	723.000 MHz	100.000 kHz	698.10622 MHz	-23.24 dBm	-10.24 dB
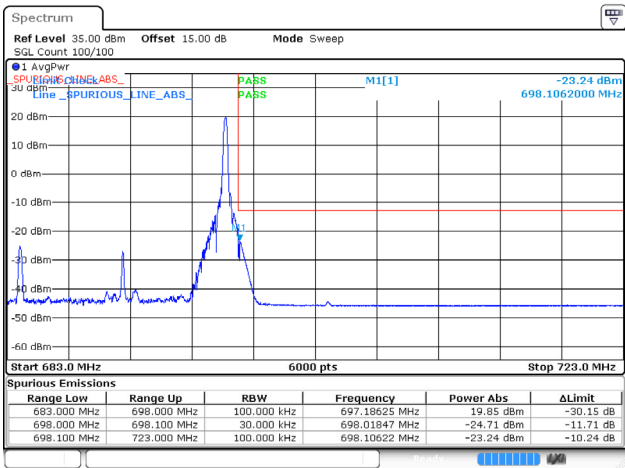
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:44:28

15MHz_High_QPSK_75@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	693.24125 MHz	1.91 dBm	-48.09 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.01797 MHz	-37.51 dBm	-24.51 dB
698.100 MHz	723.000 MHz	100.000 kHz	698.18093 MHz	-34.84 dBm	-21.84 dB
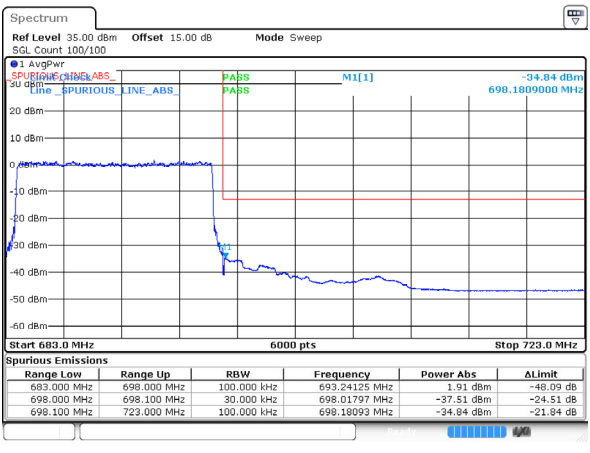
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:17:58

15MHz_High_16QAM_1@74

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	697.17875 MHz	20.22 dBm	-29.78 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.01608 MHz	-24.99 dBm	-11.99 dB
698.100 MHz	723.000 MHz	100.000 kHz	698.10622 MHz	-23.31 dBm	-10.31 dB
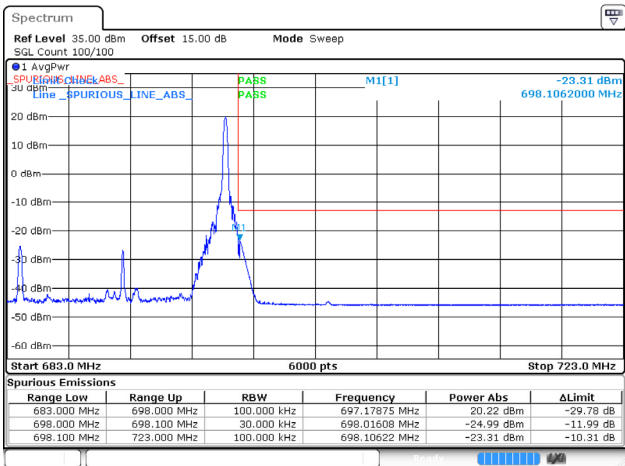
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:38:22

15MHz_High_16QAM_75@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	696.21875 MHz	0.82 dBm	-49.18 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.04793 MHz	-38.45 dBm	-25.45 dB
698.100 MHz	723.000 MHz	100.000 kHz	698.11868 MHz	-35.77 dBm	-22.77 dB
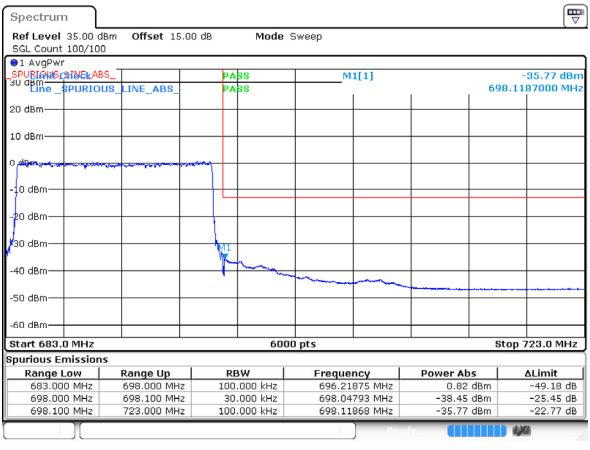
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:20:05

20MHz_Low_QPSK_1@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
633.000 MHz	662.900 MHz	100.000 kHz	662.89253 MHz	−27.53 dBm	−14.53 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.98358 MHz	−29.53 dBm	−16.53 dB
663.000 MHz	683.000 MHz	100.000 kHz	664.08500 MHz	20.36 dBm	−29.64 dB
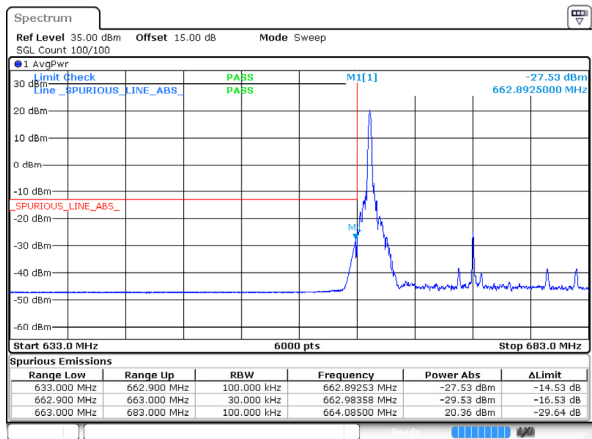
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:21:59

20MHz_Low_QPSK_100@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
633.000 MHz	662.900 MHz	100.000 kHz	662.89253 MHz	−35.17 dBm	−22.17 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.92723 MHz	−38.86 dBm	−25.86 dB
663.000 MHz	683.000 MHz	100.000 kHz	677.81500 MHz	1.07 dBm	−48.93 dB
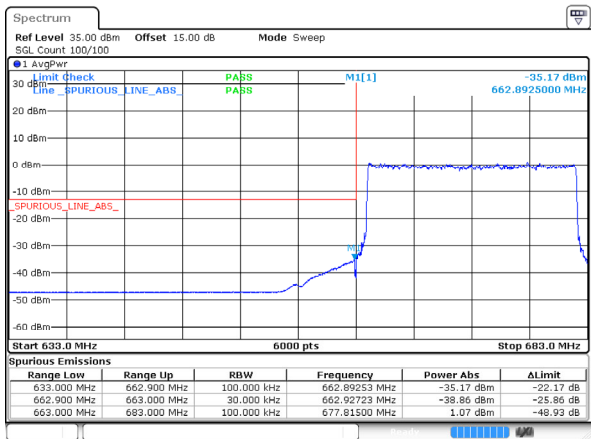
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:23:12

20MHz_Low_16QAM_1@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
633.000 MHz	662.900 MHz	100.000 kHz	662.86262 MHz	−28.32 dBm	−15.32 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.94693 MHz	−29.68 dBm	−16.68 dB
663.000 MHz	683.000 MHz	100.000 kHz	664.09500 MHz	18.65 dBm	−31.35 dB
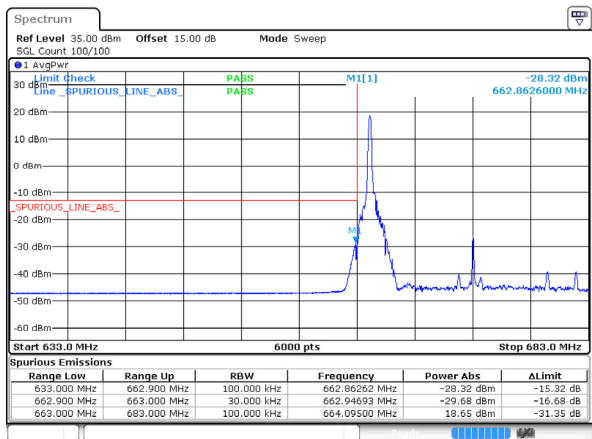
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:24:26

20MHz_Low_16QAM_100@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
633.000 MHz	662.900 MHz	100.000 kHz	662.87758 MHz	−36.17 dBm	−23.17 dB
662.900 MHz	663.000 MHz	30.000 kHz	662.91522 MHz	−40.24 dBm	−27.24 dB
663.000 MHz	683.000 MHz	100.000 kHz	666.92500 MHz	−0.06 dBm	−50.06 dB
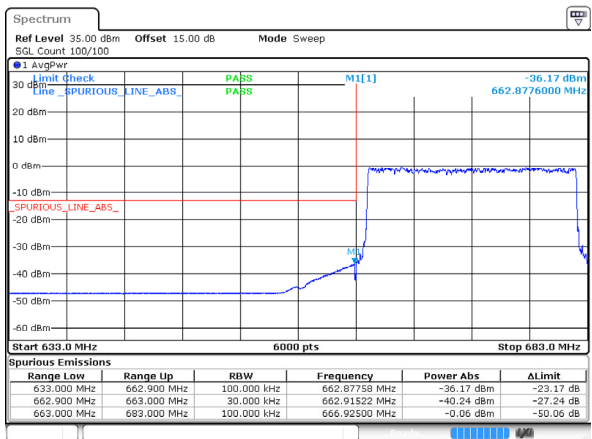
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:25:39

20MHz_High_QPSK_1@99

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	696.90500 MHz	19.89 dBm	−30.11 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.01378 MHz	−28.92 dBm	−15.92 dB
698.100 MHz	728.000 MHz	100.000 kHz	698.12243 MHz	−27.23 dBm	−14.23 dB
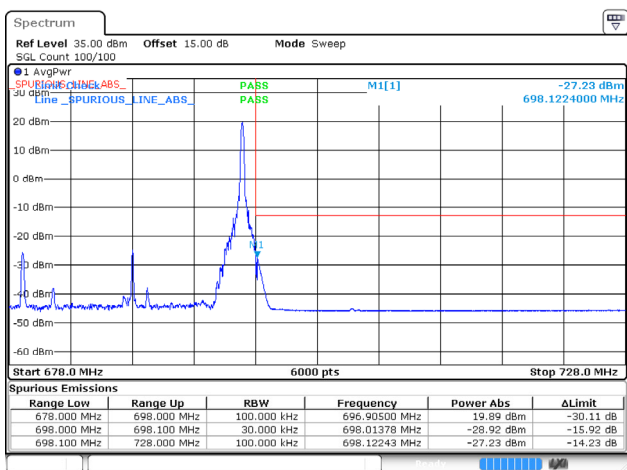
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 9.MAY.2025 09:46:40

20MHz_High_QPSK_100@0

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	680.67500 MHz	0.46 dBm	−49.54 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.04773 MHz	−40.95 dBm	−27.95 dB
698.100 MHz	728.000 MHz	100.000 kHz	698.10748 MHz	−37.06 dBm	−24.06 dB
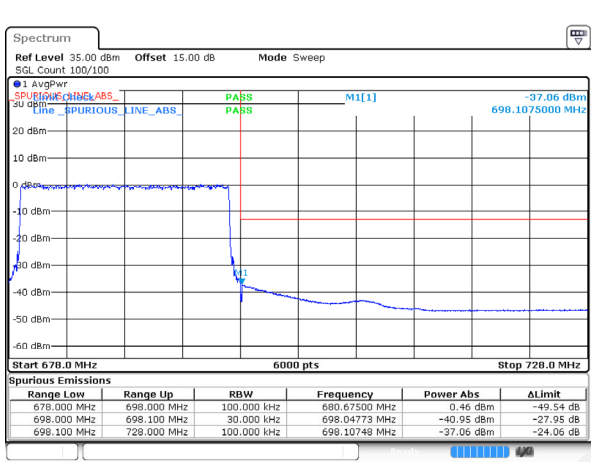
ProjectNo.:RKSA240808001 Tester:Neil Zhou
Date: 21.FEB.2025 17:28:10

20MHz_High_16QAM_1@99

Spurious Emissions					
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	696.89500 MHz	19.64 dBm	-30.36 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.01347 MHz	-29.01 dBm	-16.01 dB
698.100 MHz	728.000 MHz	100.000 kHz	698.10748 MHz	-26.84 dBm	-13.84 dB
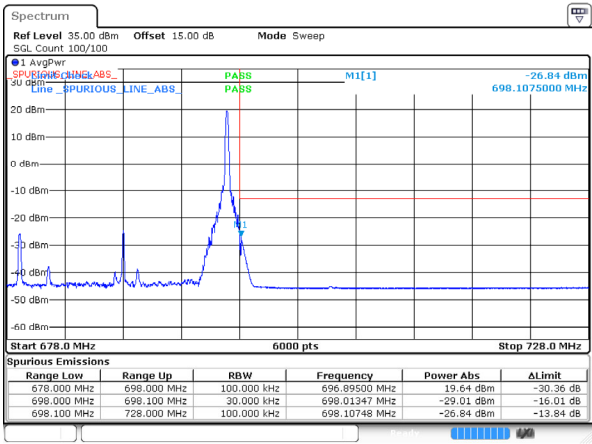
ProjectNo.:RKSA240808001 Tester:Neil Zhou

Date: 9.MAY.2025 09:42:12

20MHz_High_16QAM_100@0

Spurious Emissions					
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	682.03500 MHz	-0.41 dBm	-50.41 dB
698.000 MHz	698.100 MHz	30.000 kHz	698.03578 MHz	-40.47 dBm	-27.47 dB
698.100 MHz	728.000 MHz	100.000 kHz	698.10748 MHz	-37.04 dBm	-24.04 dB
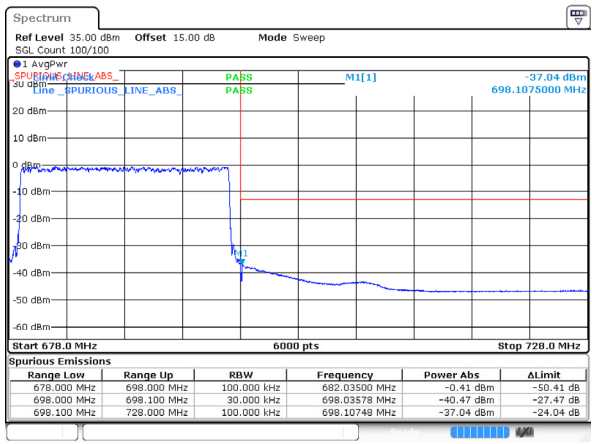
ProjectNo.:RKSA240808001 Tester:Neil Zhou

Date: 21.FEB.2025 17:30:38

***** END *****