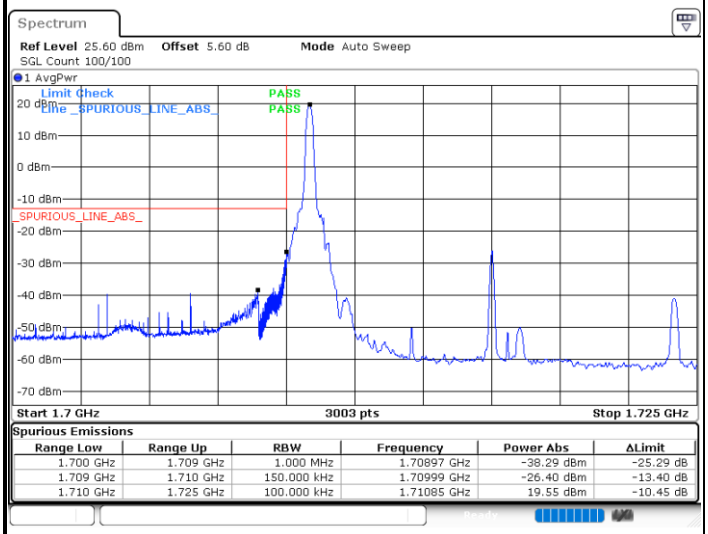
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

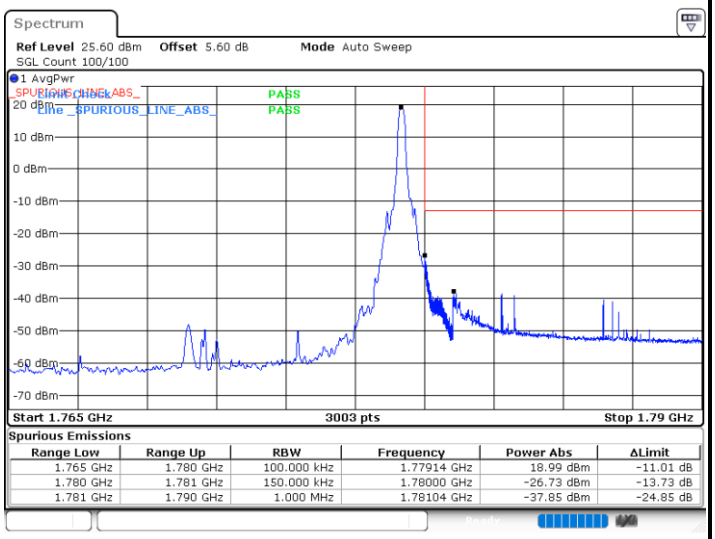


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-38.29 dBm	-25.29 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-26.40 dBm	-13.40 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	19.55 dBm	-10.45 dB

Date: 27.JUL.2024 13:16:19

Highest Band Edge / 1 RB

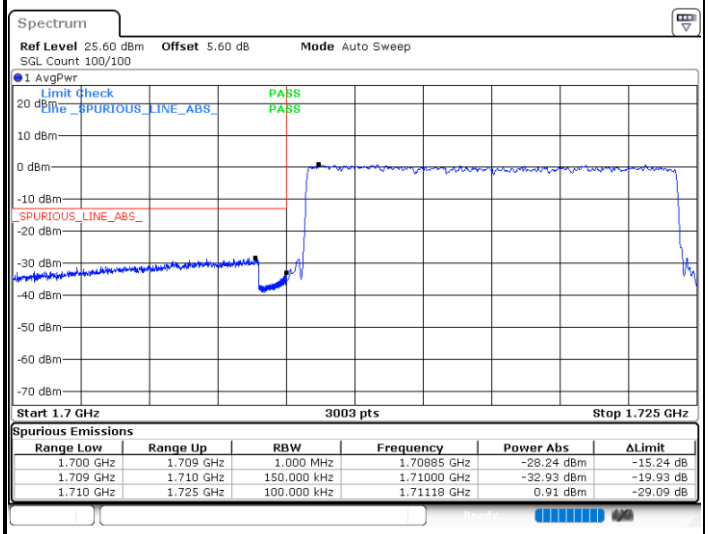


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77914 GHz	18.99 dBm	-11.01 dB
1.780 GHz	1.781 GHz	150.000 kHz	1.78000 GHz	-26.73 dBm	-13.73 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78104 GHz	-37.85 dBm	-24.85 dB

Date: 27.JUL.2024 13:25:53

Lowest Band Edge / Full RB

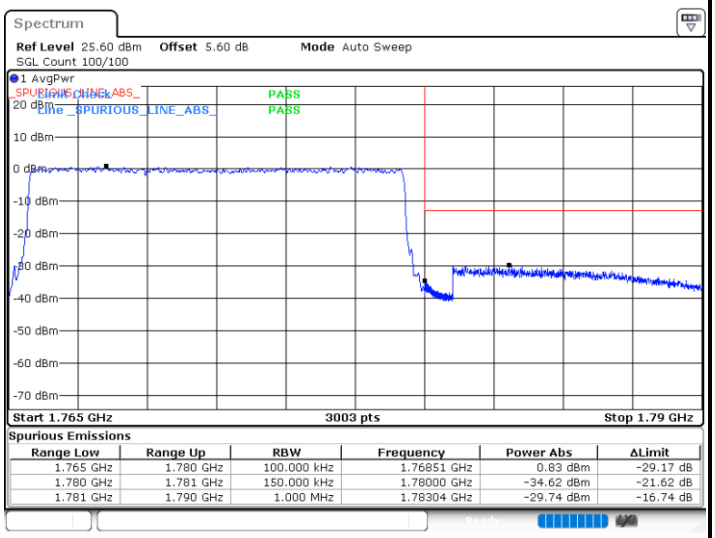


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70885 GHz	-28.24 dBm	-15.24 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.71000 GHz	-32.93 dBm	-19.93 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71118 GHz	0.91 dBm	-29.09 dB

Date: 27.JUL.2024 13:19:41

Highest Band Edge / Full RB



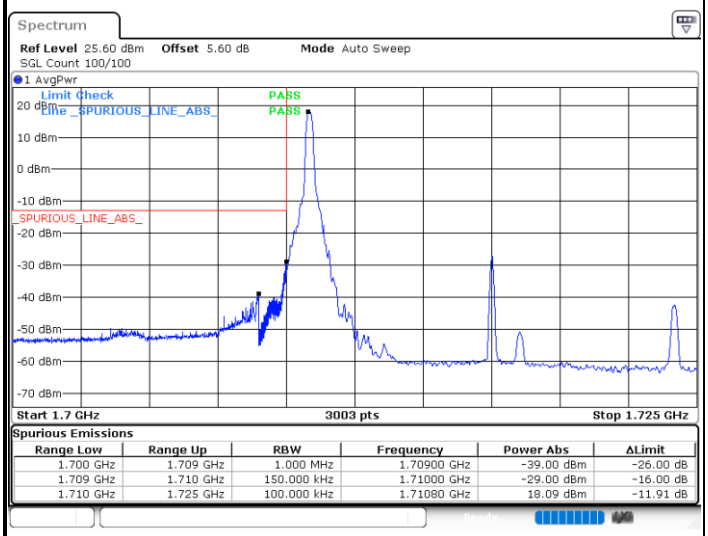
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.76851 GHz	0.83 dBm	-29.17 dB
1.780 GHz	1.781 GHz	150.000 kHz	1.78000 GHz	-34.62 dBm	-21.62 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78304 GHz	-29.74 dBm	-16.74 dB

Date: 27.JUL.2024 13:29:15

LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

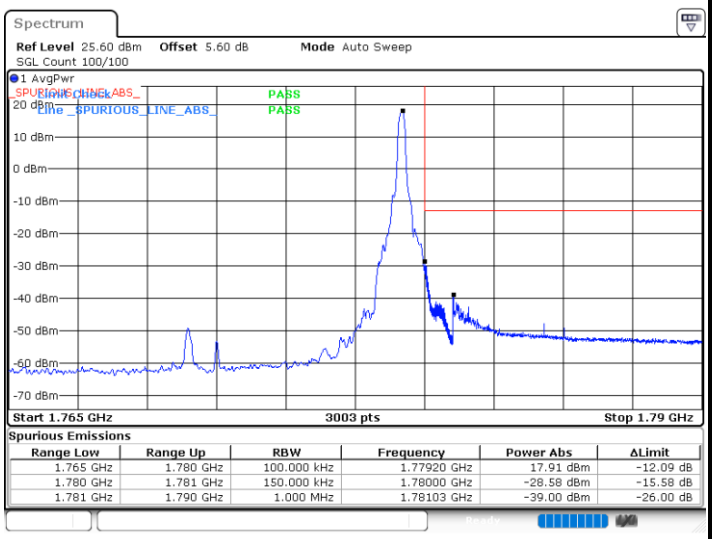


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-39.00 dBm	-26.00 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.71000 GHz	-29.00 dBm	-16.00 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71080 GHz	18.09 dBm	-11.91 dB

Date: 27.JUL.2024 13:17:09

Highest Band Edge / 1 RB

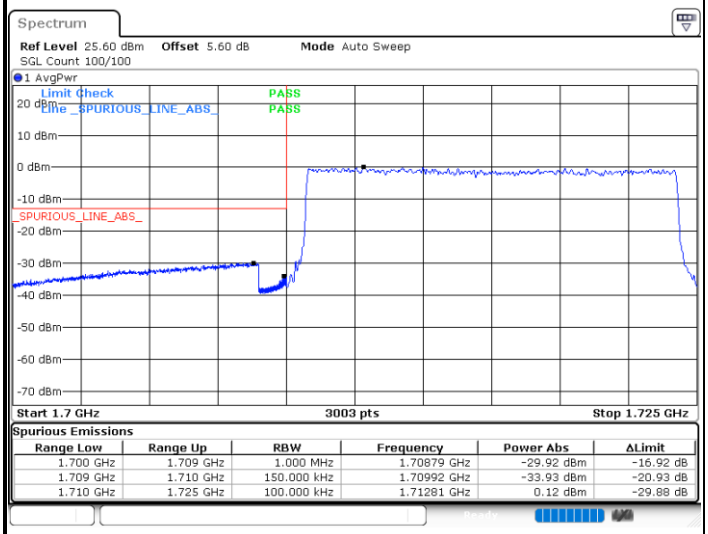


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77920 GHz	17.91 dBm	-12.09 dB
1.780 GHz	1.781 GHz	150.000 kHz	1.78000 GHz	-28.58 dBm	-15.58 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78103 GHz	-39.00 dBm	-26.00 dB

Date: 27.JUL.2024 13:26:42

Lowest Band Edge / Full RB

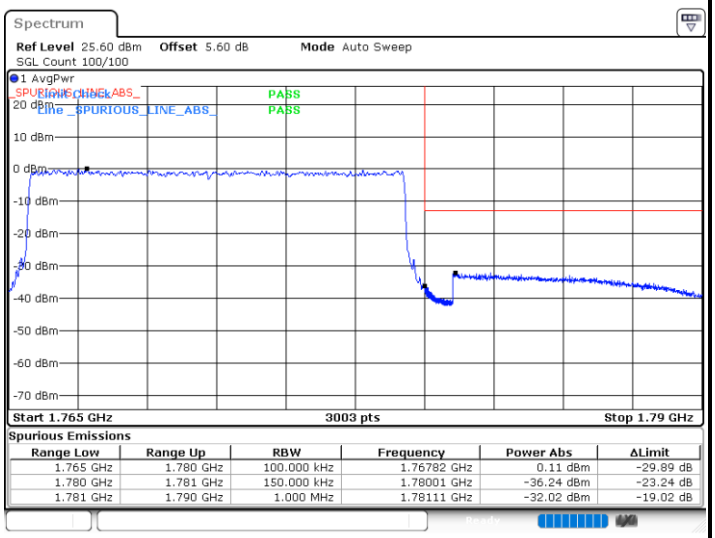


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70879 GHz	-29.92 dBm	-16.92 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70992 GHz	-33.93 dBm	-20.93 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71281 GHz	0.12 dBm	-29.88 dB

Date: 27.JUL.2024 13:20:31

Highest Band Edge / Full RB



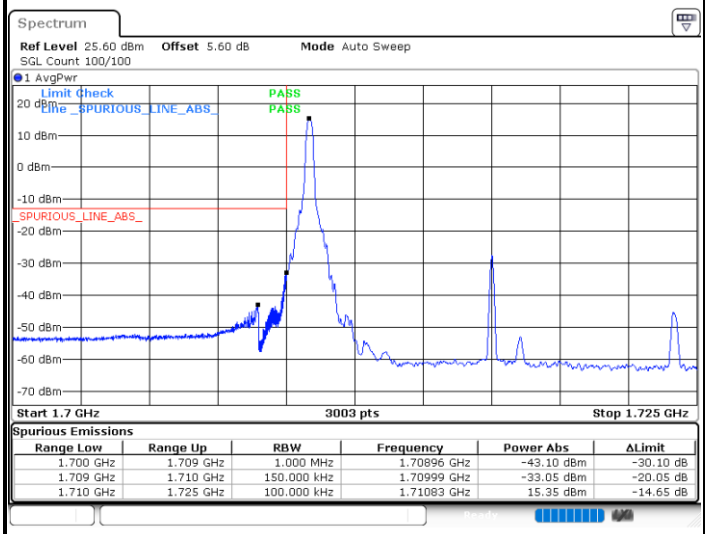
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.76782 GHz	0.11 dBm	-29.89 dB
1.780 GHz	1.781 GHz	150.000 kHz	1.78001 GHz	-36.24 dBm	-23.24 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78111 GHz	-32.02 dBm	-19.02 dB

Date: 27.JUL.2024 13:30:05

LTE Band 66 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

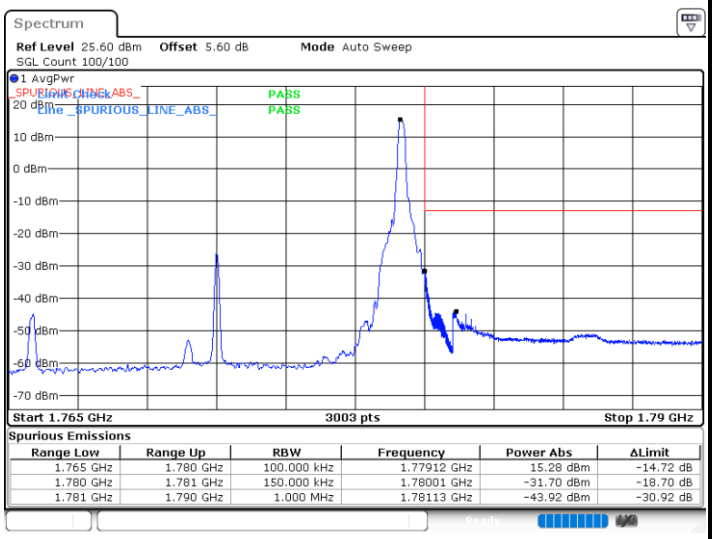


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-43.10 dBm	-30.10 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-33.05 dBm	-20.05 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71083 GHz	15.35 dBm	-14.65 dB

Date: 27.JUL.2024 13:17:59

Highest Band Edge / 1 RB

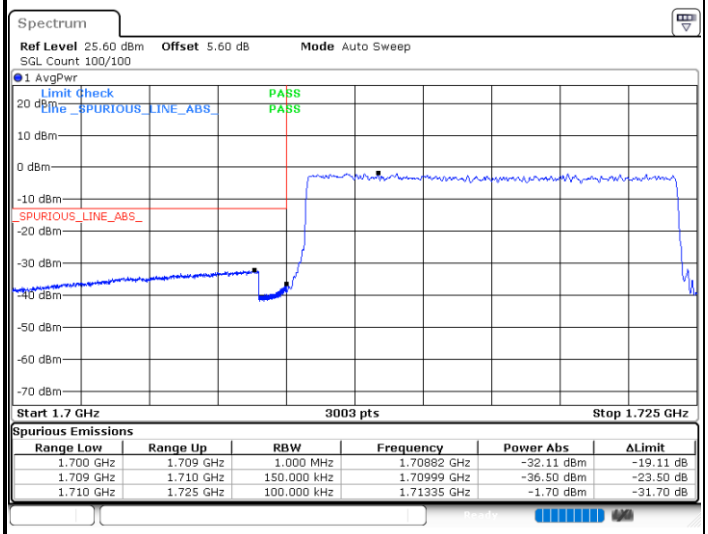


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.77912 GHz	15.28 dBm	-14.72 dB
1.780 GHz	1.781 GHz	150.000 kHz	1.78001 GHz	-31.70 dBm	-18.70 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78113 GHz	-43.92 dBm	-30.92 dB

Date: 27.JUL.2024 13:27:32

Lowest Band Edge / Full RB

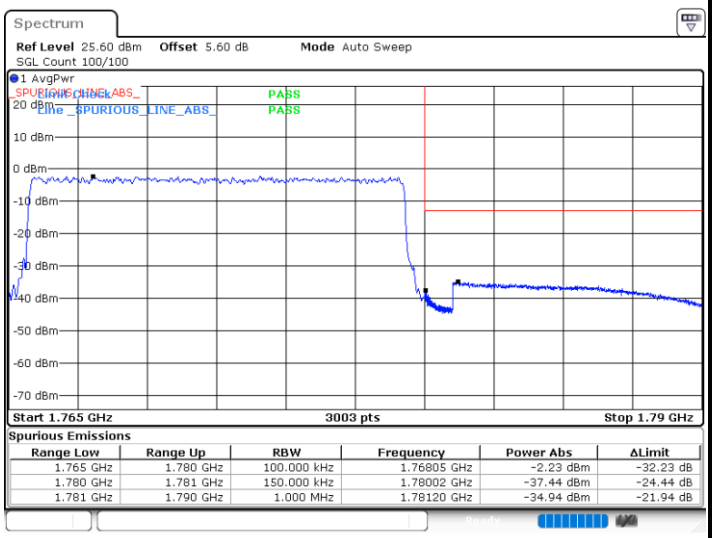


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-32.11 dBm	-19.11 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-36.50 dBm	-23.50 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71335 GHz	-1.70 dBm	-31.70 dB

Date: 27.JUL.2024 13:21:21

Highest Band Edge / Full RB



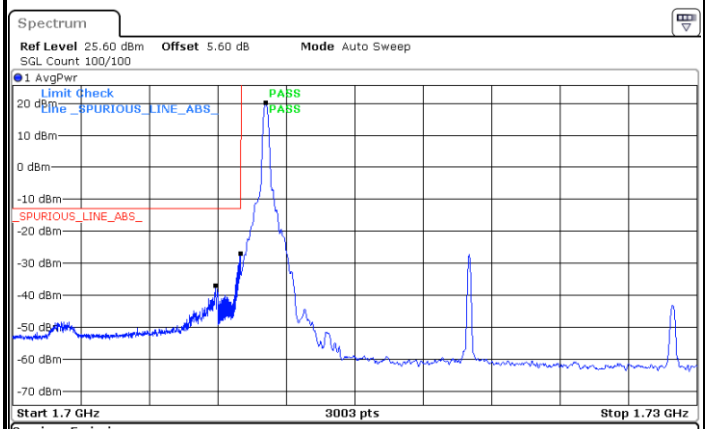
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.765 GHz	1.780 GHz	100.000 kHz	1.76805 GHz	-2.23 dBm	-32.23 dB
1.780 GHz	1.781 GHz	150.000 kHz	1.78002 GHz	-37.44 dBm	-24.44 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78120 GHz	-34.94 dBm	-21.94 dB

Date: 27.JUL.2024 13:30:54

LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB

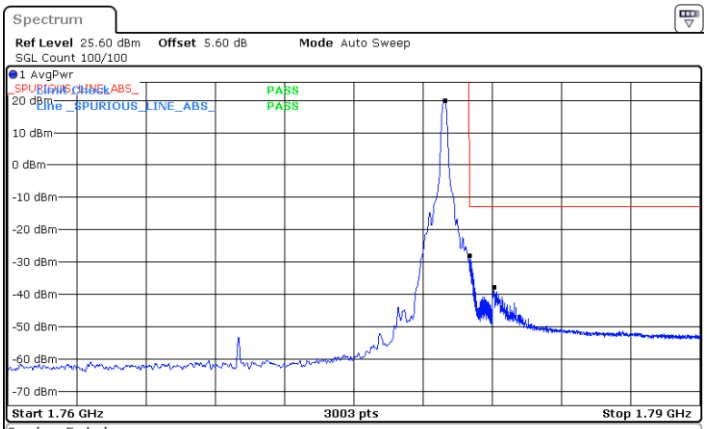


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70887 GHz	-37.10 dBm	-24.10 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-26.99 dBm	-13.99 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	20.17 dBm	-9.83 dB

Date: 27.JUL.2024 13:34:26

Highest Band Edge / 1 RB

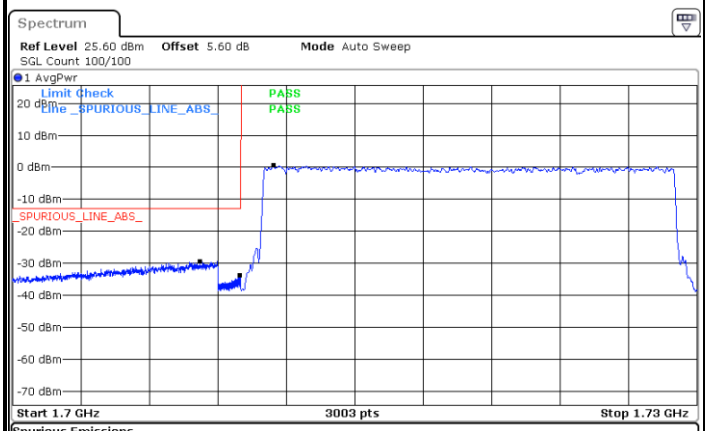


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77893 GHz	19.94 dBm	-10.06 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78002 GHz	-27.93 dBm	-14.93 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78108 GHz	-37.78 dBm	-24.78 dB

Date: 27.JUL.2024 13:44:00

Lowest Band Edge / Full RB

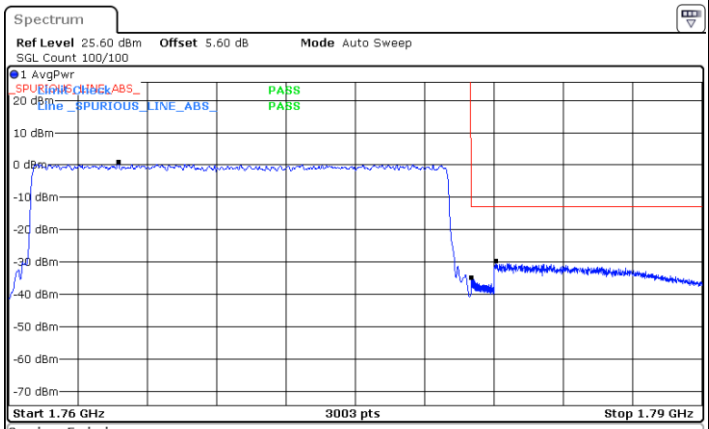


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70821 GHz	-29.42 dBm	-16.42 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70996 GHz	-33.71 dBm	-20.71 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71143 GHz	0.63 dBm	-29.37 dB

Date: 27.JUL.2024 13:37:45

Highest Band Edge / Full RB



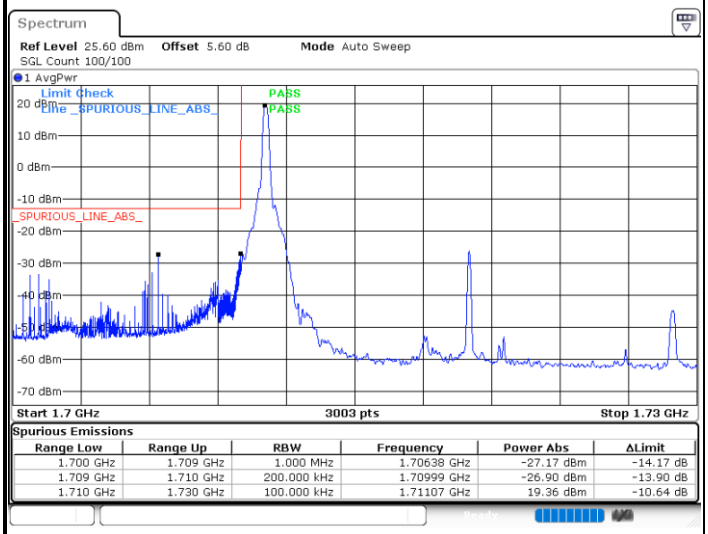
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.76475 GHz	0.91 dBm	-29.09 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78002 GHz	-34.90 dBm	-21.90 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78107 GHz	-29.81 dBm	-16.81 dB

Date: 27.JUL.2024 13:47:22

LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

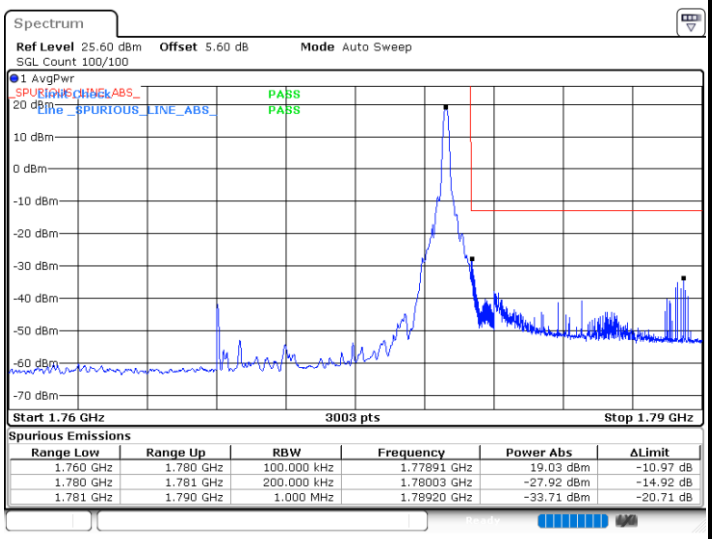


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70638 GHz	-27.17 dBm	-14.17 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-26.90 dBm	-13.90 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71107 GHz	19.36 dBm	-10.64 dB

Date: 27.JUL.2024 13:35:16

Highest Band Edge / 1 RB

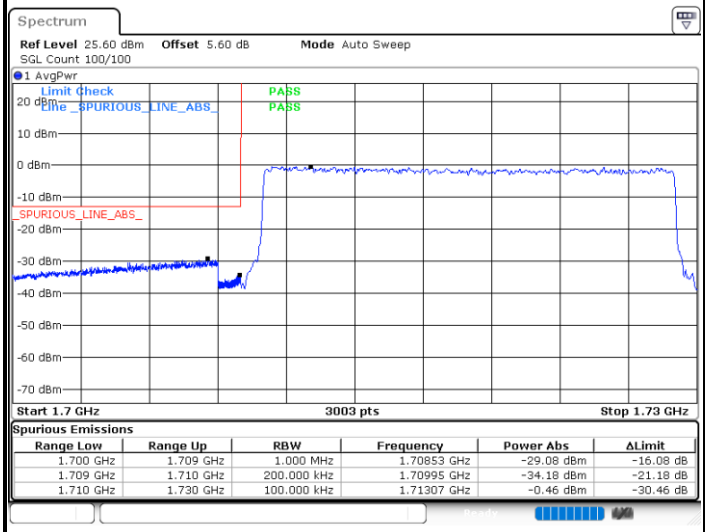


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77891 GHz	19.03 dBm	-10.97 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78003 GHz	-27.92 dBm	-14.92 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78920 GHz	-33.71 dBm	-20.71 dB

Date: 27.JUL.2024 13:44:49

Lowest Band Edge / Full RB

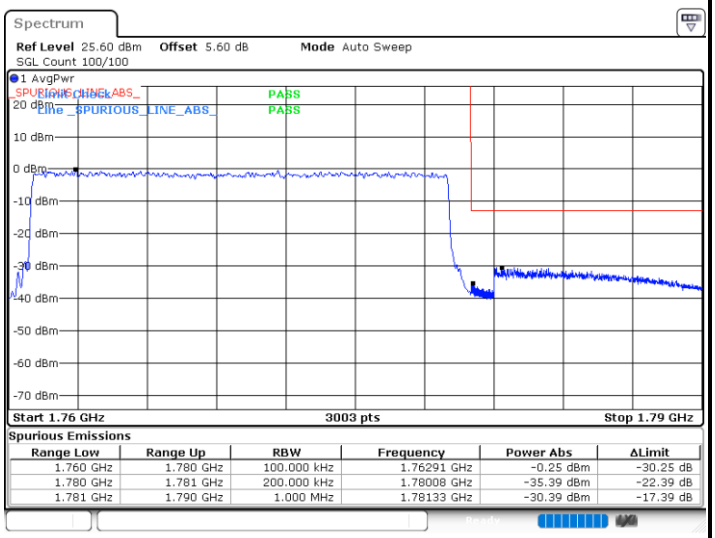


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70853 GHz	-29.08 dBm	-16.08 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70995 GHz	-34.18 dBm	-21.18 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71307 GHz	-0.46 dBm	-30.46 dB

Date: 27.JUL.2024 13:38:35

Highest Band Edge / Full RB



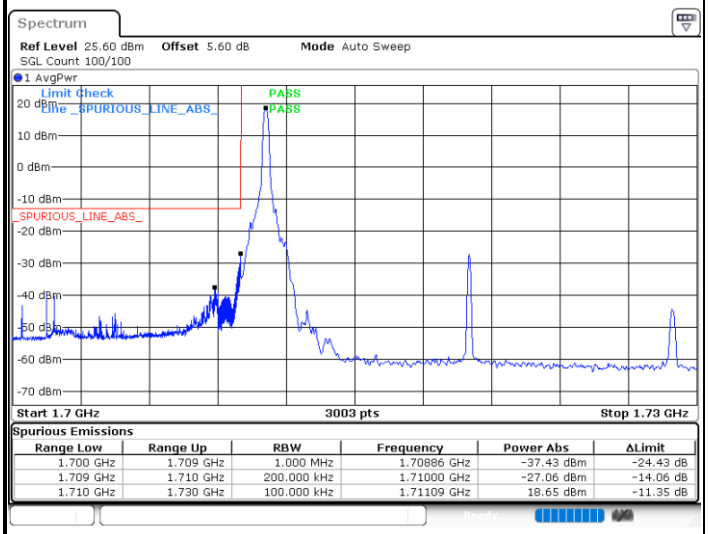
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.76291 GHz	-0.25 dBm	-30.25 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78008 GHz	-35.39 dBm	-22.39 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78133 GHz	-30.39 dBm	-17.39 dB

Date: 27.JUL.2024 13:48:12

LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

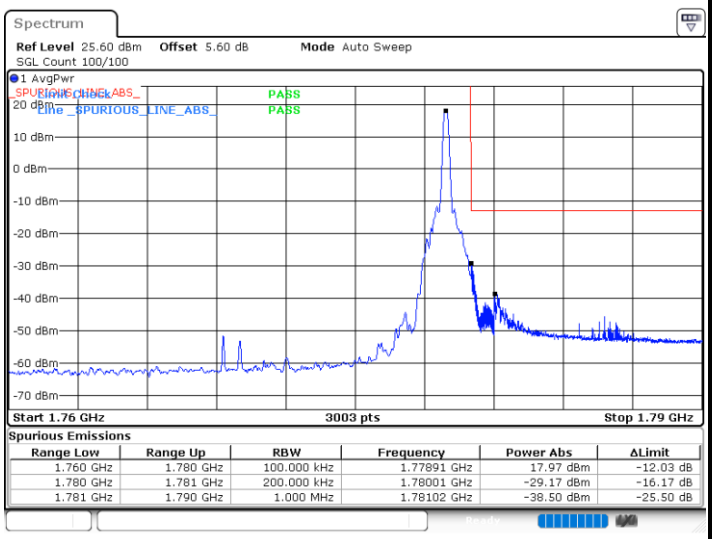


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70886 GHz	-37.43 dBm	-24.43 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-27.06 dBm	-14.06 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	18.65 dBm	-11.35 dB

Date: 27.JUL.2024 13:36:06

Highest Band Edge / 1 RB

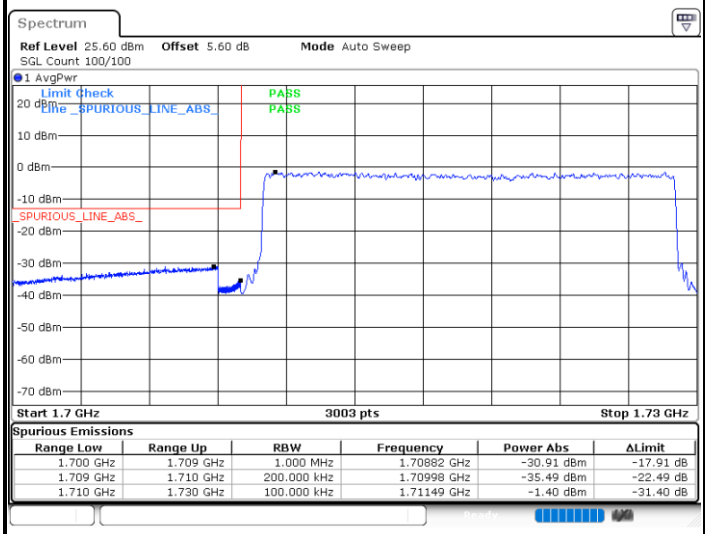


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77891 GHz	17.97 dBm	-12.03 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78001 GHz	-29.17 dBm	-16.17 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78102 GHz	-38.50 dBm	-25.50 dB

Date: 27.JUL.2024 13:45:39

Lowest Band Edge / Full RB

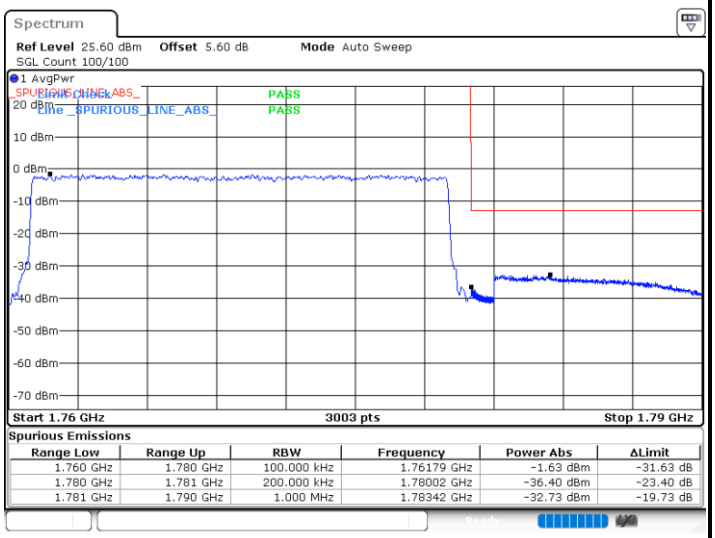


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-30.91 dBm	-17.91 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-35.49 dBm	-22.49 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71149 GHz	-1.40 dBm	-31.40 dB

Date: 27.JUL.2024 13:39:25

Highest Band Edge / Full RB



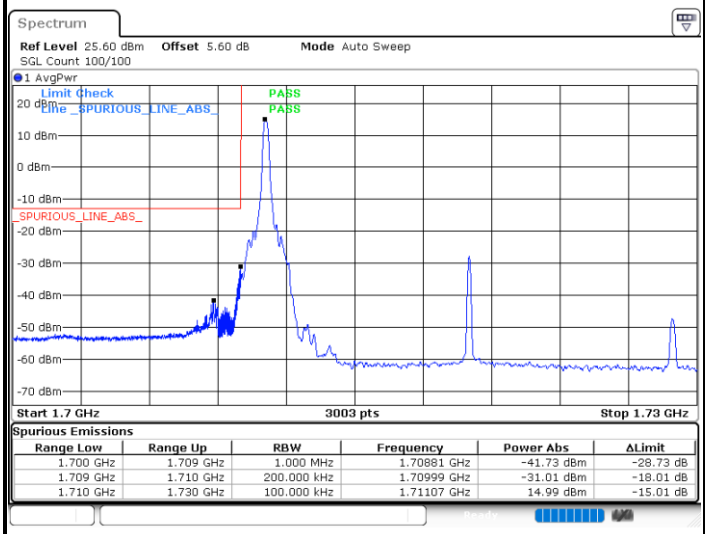
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.76179 GHz	-1.63 dBm	-31.63 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78002 GHz	-36.40 dBm	-23.40 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78342 GHz	-32.73 dBm	-19.73 dB

Date: 27.JUL.2024 13:49:01

LTE Band 66 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

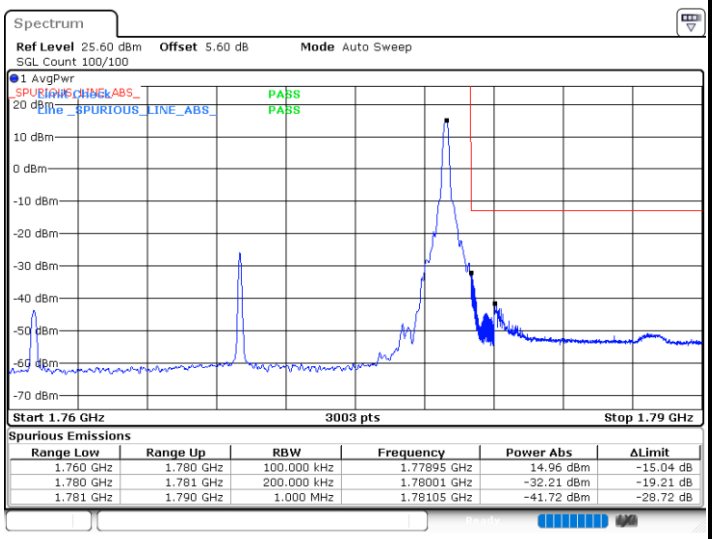


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70881 GHz	-41.73 dBm	-28.73 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-31.01 dBm	-18.01 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71107 GHz	14.99 dBm	-15.01 dB

Date: 27.JUL.2024 13:36:55

Highest Band Edge / 1 RB

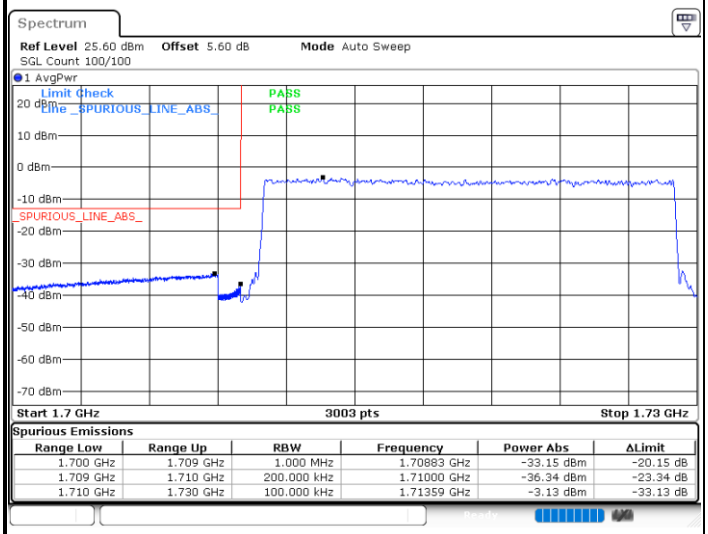


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.77895 GHz	14.96 dBm	-15.04 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78001 GHz	-32.21 dBm	-19.21 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78105 GHz	-41.72 dBm	-28.72 dB

Date: 27.JUL.2024 13:46:29

Lowest Band Edge / Full RB

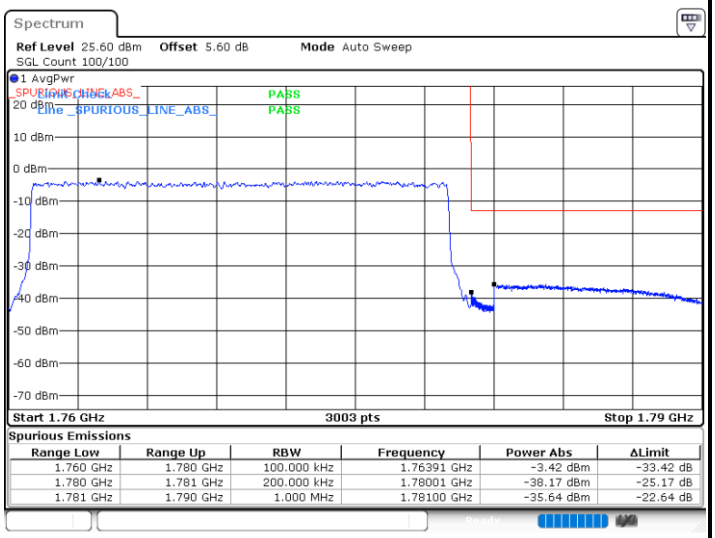


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70883 GHz	-33.15 dBm	-20.15 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-36.34 dBm	-23.34 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71359 GHz	-3.13 dBm	-33.13 dB

Date: 27.JUL.2024 13:40:15

Highest Band Edge / Full RB



Spurious Emissions

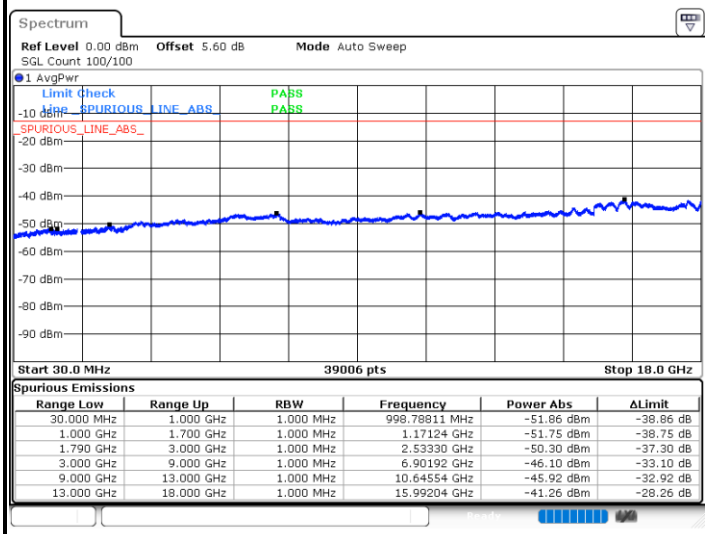
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.760 GHz	1.780 GHz	100.000 kHz	1.76391 GHz	-3.42 dBm	-33.42 dB
1.780 GHz	1.781 GHz	200.000 kHz	1.78001 GHz	-38.17 dBm	-25.17 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.78100 GHz	-35.64 dBm	-22.64 dB

Date: 27.JUL.2024 13:49:51

Conducted Spurious Emission

LTE Band 66 / 1.4MHz

Lowest Channel / QPSK

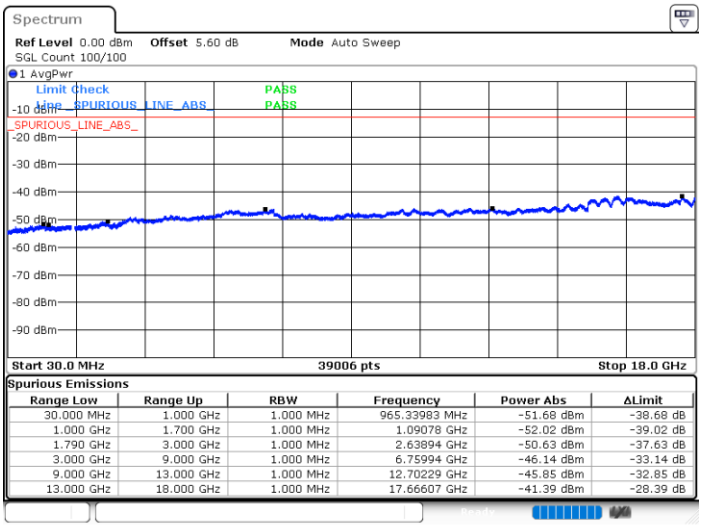


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-51.86 dBm	-38.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.17124 GHz	-51.75 dBm	-38.75 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.53330 GHz	-50.30 dBm	-37.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90192 GHz	-46.10 dBm	-33.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64554 GHz	-45.92 dBm	-32.92 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.99204 GHz	-41.26 dBm	-28.26 dB

Date: 27.JUL.2024 10:25:32

Middle Channel / QPSK

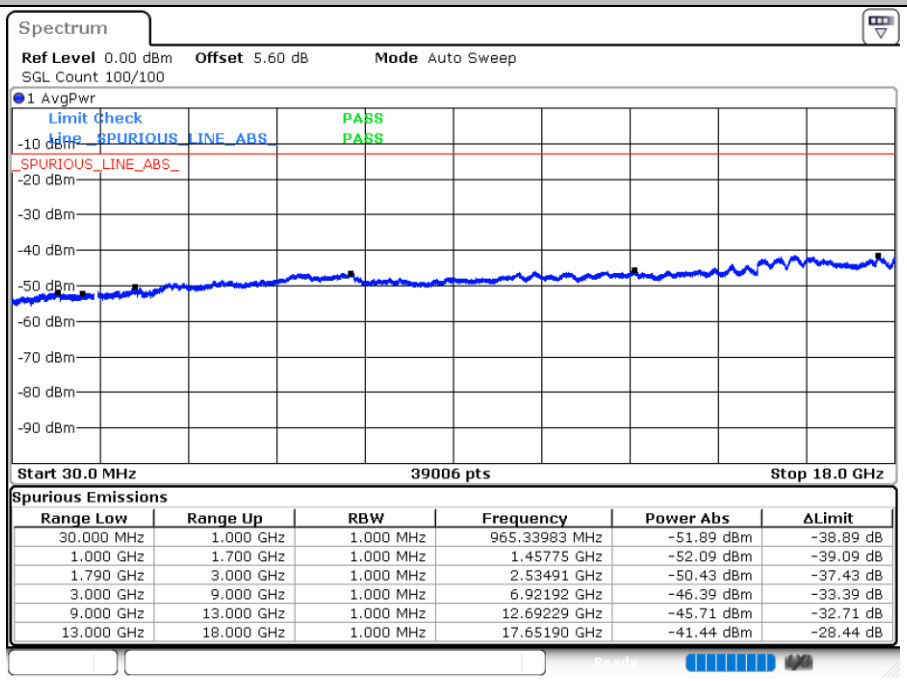


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-51.68 dBm	-38.68 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.09078 GHz	-52.02 dBm	-39.02 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.63894 GHz	-50.63 dBm	-37.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.75994 GHz	-46.14 dBm	-33.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-45.85 dBm	-32.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.66607 GHz	-41.39 dBm	-28.39 dB

Date: 27.JUL.2024 10:37:37

Highest Channel / QPSK



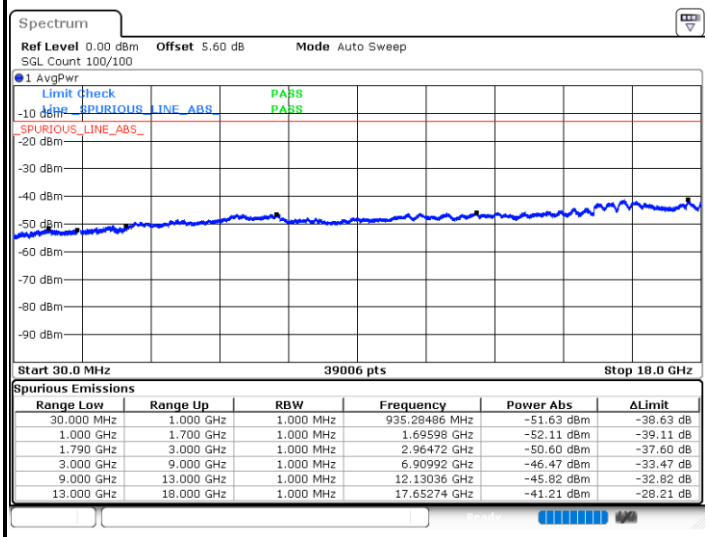
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-51.89 dBm	-38.89 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.45775 GHz	-52.09 dBm	-39.09 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.53491 GHz	-50.43 dBm	-37.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92192 GHz	-46.39 dBm	-33.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69229 GHz	-45.71 dBm	-32.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65190 GHz	-41.44 dBm	-28.44 dB

Date: 27.JUL.2024 10:39:02

LTE Band 66 / 3MHz

Lowest Channel / QPSK

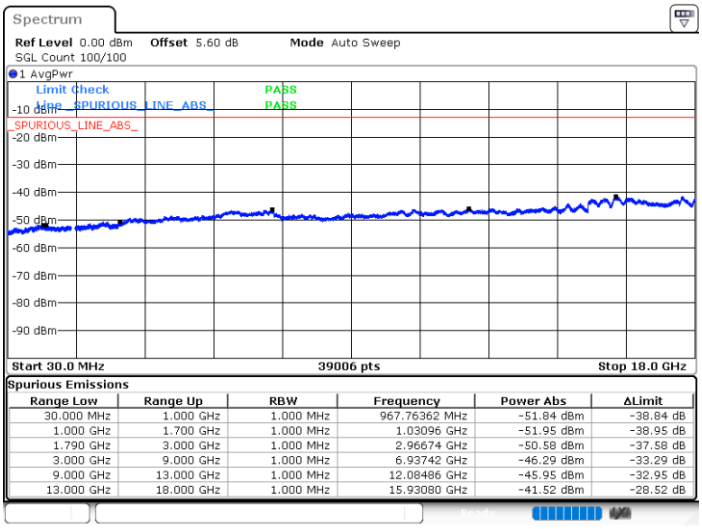


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-51.63 dBm	-38.63 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-52.11 dBm	-39.11 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.96472 GHz	-50.60 dBm	-37.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90992 GHz	-46.47 dBm	-33.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.13036 GHz	-45.82 dBm	-32.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.65274 GHz	-41.21 dBm	-28.21 dB

Date: 27.JUL.2024 10:56:56

Middle Channel / QPSK

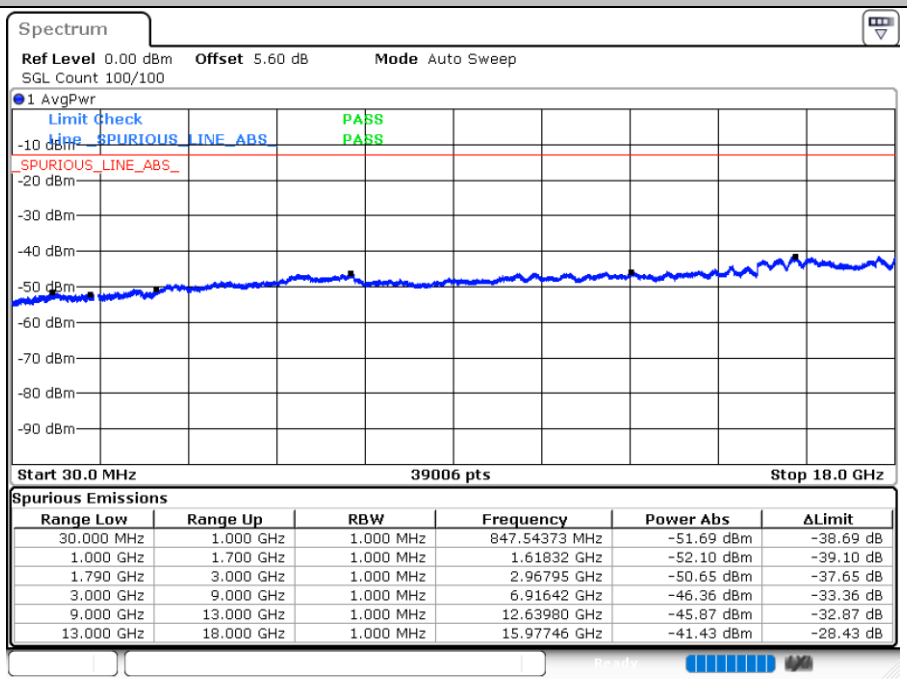


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.76362 MHz	-51.84 dBm	-38.84 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.03096 GHz	-51.95 dBm	-38.95 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.96674 GHz	-50.58 dBm	-37.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93742 GHz	-46.29 dBm	-33.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.08486 GHz	-45.95 dBm	-32.95 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.93080 GHz	-41.52 dBm	-28.52 dB

Date: 27.JUL.2024 11:09:02

Highest Channel / QPSK



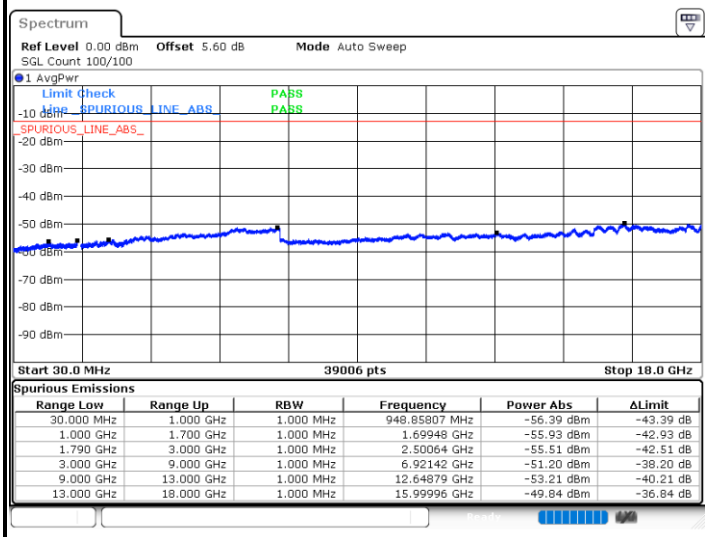
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	847.54373 MHz	-51.69 dBm	-38.69 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61832 GHz	-52.10 dBm	-39.10 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.96795 GHz	-50.65 dBm	-37.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91642 GHz	-46.36 dBm	-33.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.63980 GHz	-45.87 dBm	-32.87 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.97746 GHz	-41.43 dBm	-28.43 dB

Date: 27.JUL.2024 11:10:27

LTE Band 66 / 5MHz

Lowest Channel / QPSK

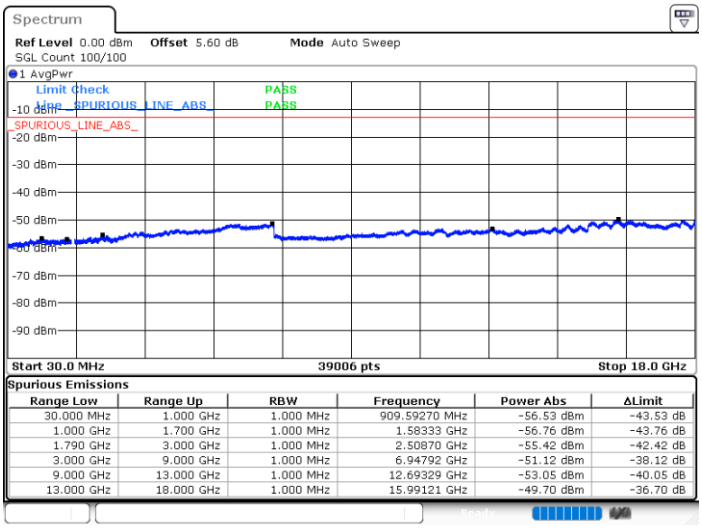


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-56.39 dBm	-43.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-55.93 dBm	-42.93 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.50064 GHz	-55.51 dBm	-42.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92142 GHz	-51.20 dBm	-38.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64879 GHz	-53.21 dBm	-40.21 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.99996 GHz	-49.84 dBm	-36.84 dB

Date: 27.JUL.2024 11:23:16

Middle Channel / QPSK

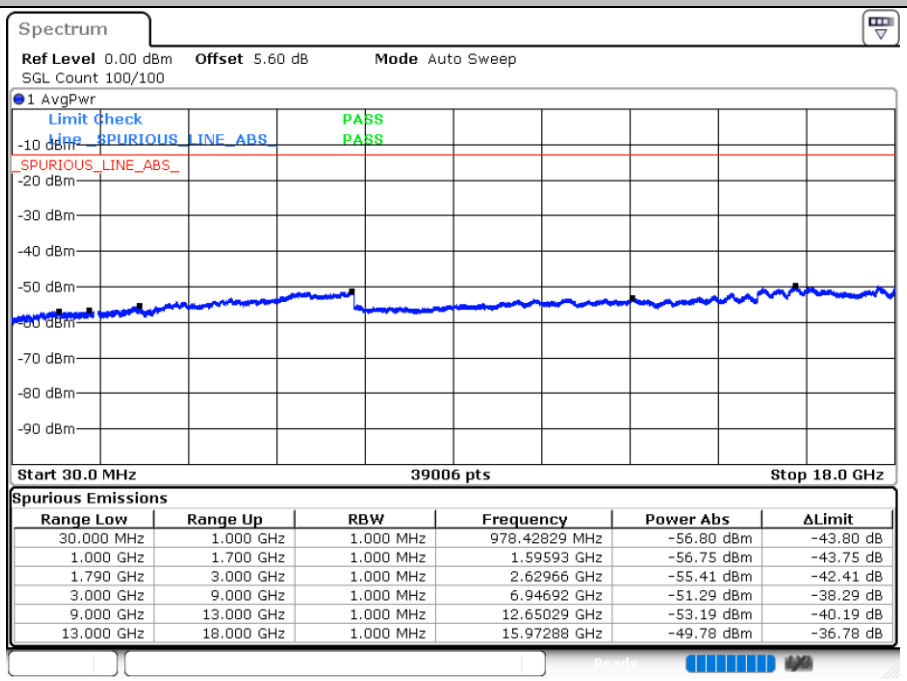


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-56.53 dBm	-43.53 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58333 GHz	-56.76 dBm	-43.76 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.50870 GHz	-55.42 dBm	-42.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94792 GHz	-51.12 dBm	-38.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69329 GHz	-53.05 dBm	-40.05 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.99121 GHz	-49.70 dBm	-36.70 dB

Date: 27.JUL.2024 11:33:55

Highest Channel / QPSK



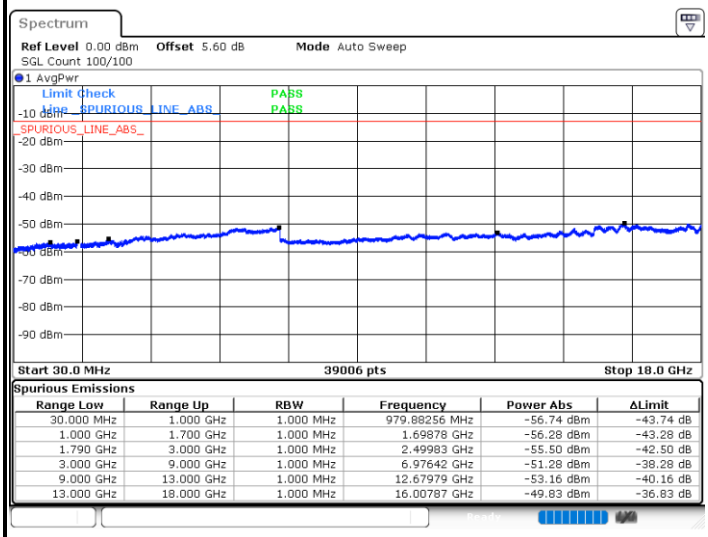
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-56.80 dBm	-43.80 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59593 GHz	-56.75 dBm	-43.75 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.62966 GHz	-55.41 dBm	-42.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94692 GHz	-51.29 dBm	-38.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65029 GHz	-53.19 dBm	-40.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.97288 GHz	-49.78 dBm	-36.78 dB

Date: 27.JUL.2024 11:35:20

LTE Band 66 / 10MHz

Lowest Channel / QPSK

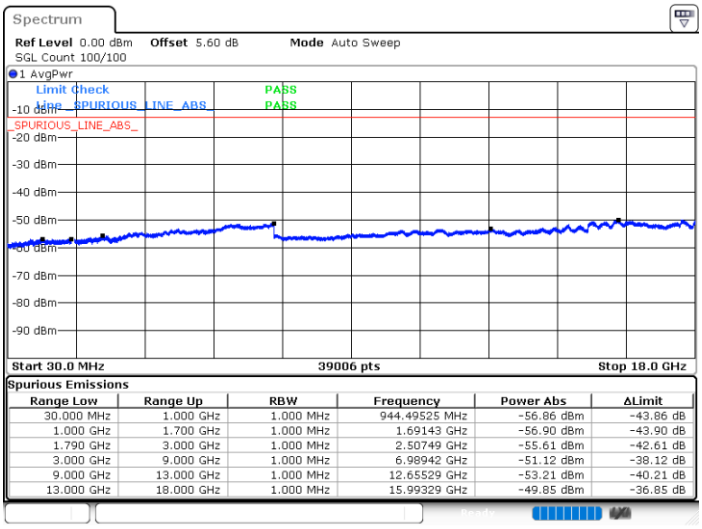


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-56.74 dBm	-43.74 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-56.28 dBm	-43.28 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49983 GHz	-55.50 dBm	-42.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97642 GHz	-51.28 dBm	-38.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67979 GHz	-53.16 dBm	-40.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.00787 GHz	-49.83 dBm	-36.83 dB

Date: 27.JUL.2024 12:54:09

Middle Channel / QPSK

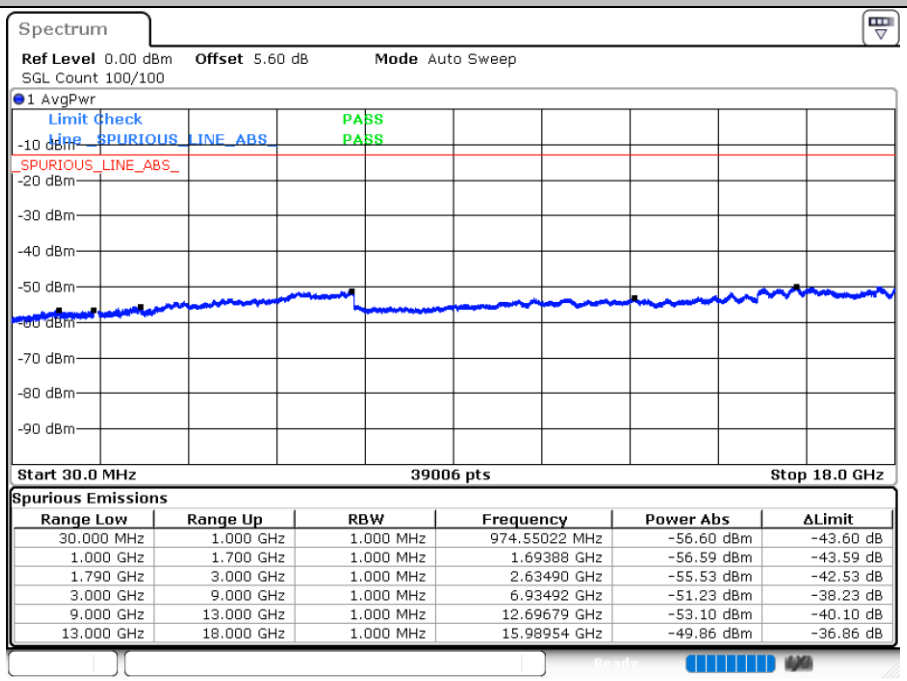


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-56.86 dBm	-43.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-56.90 dBm	-43.90 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.50749 GHz	-55.61 dBm	-42.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-51.12 dBm	-38.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65529 GHz	-53.21 dBm	-40.21 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.99329 GHz	-49.85 dBm	-36.85 dB

Date: 27.JUL.2024 13:02:18

Highest Channel / QPSK



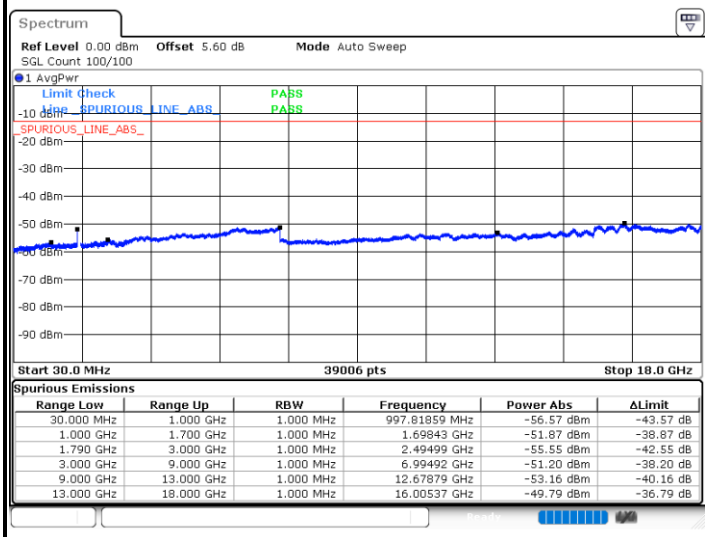
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-56.60 dBm	-43.60 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-56.59 dBm	-43.59 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.63490 GHz	-55.53 dBm	-42.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93492 GHz	-51.23 dBm	-38.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-53.10 dBm	-40.10 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.98954 GHz	-49.86 dBm	-36.86 dB

Date: 27.JUL.2024 13:03:42

LTE Band 66 / 15MHz

Lowest Channel / QPSK

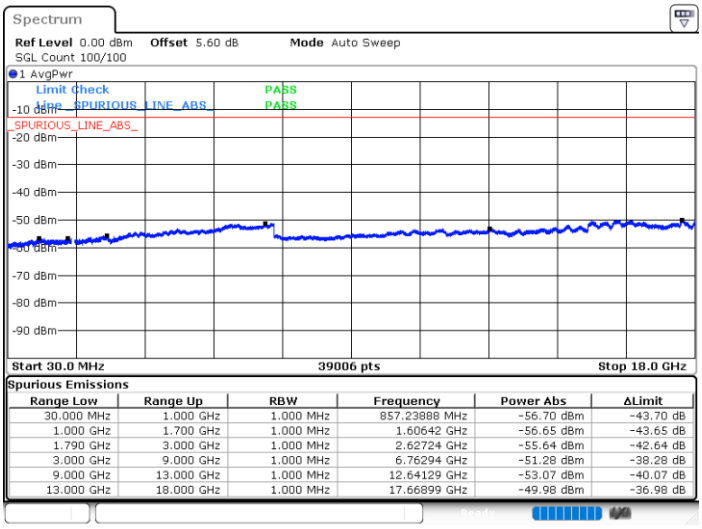


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-56.57 dBm	-43.57 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69843 GHz	-51.87 dBm	-38.87 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.49499 GHz	-55.55 dBm	-42.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-51.20 dBm	-38.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67879 GHz	-53.16 dBm	-40.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.00537 GHz	-49.79 dBm	-36.79 dB

Date: 27.JUL.2024 13:14:39

Middle Channel / QPSK

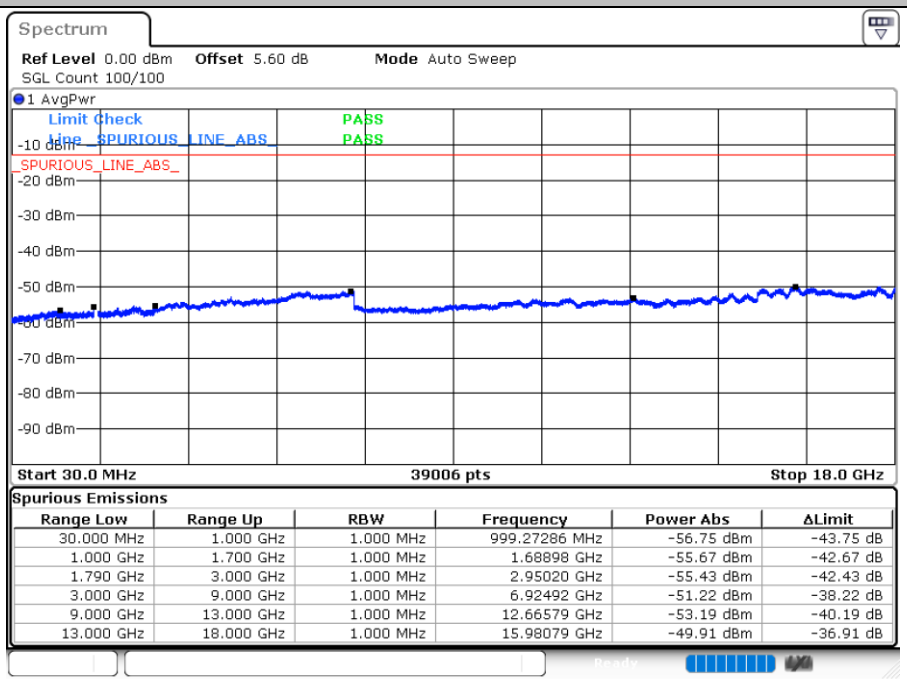


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	857.23988 MHz	-56.70 dBm	-43.70 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60642 GHz	-56.65 dBm	-43.65 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.62724 GHz	-55.64 dBm	-42.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.76294 GHz	-51.28 dBm	-38.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64129 GHz	-53.07 dBm	-40.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.66899 GHz	-49.98 dBm	-36.98 dB

Date: 27.JUL.2024 13:22:48

Highest Channel / QPSK



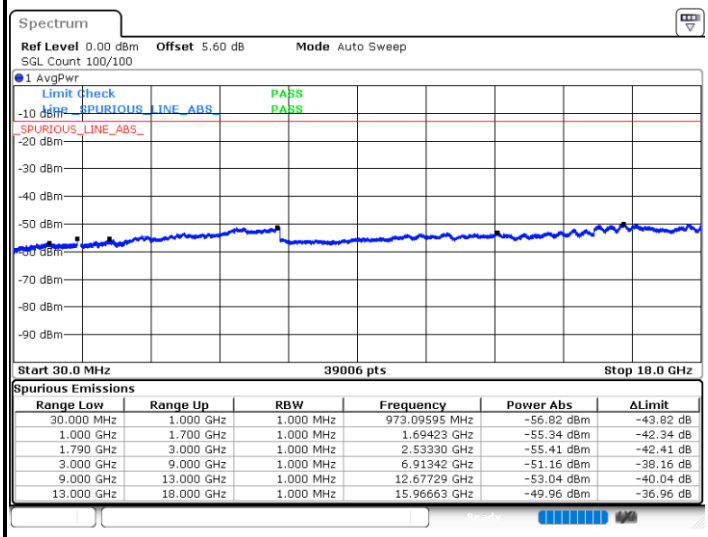
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-56.75 dBm	-43.75 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68898 GHz	-55.67 dBm	-42.67 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.95020 GHz	-55.43 dBm	-42.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92492 GHz	-51.22 dBm	-38.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66579 GHz	-53.19 dBm	-40.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.98079 GHz	-49.91 dBm	-36.91 dB

Date: 27.JUL.2024 13:24:13

LTE Band 66 / 20MHz

Lowest Channel / QPSK

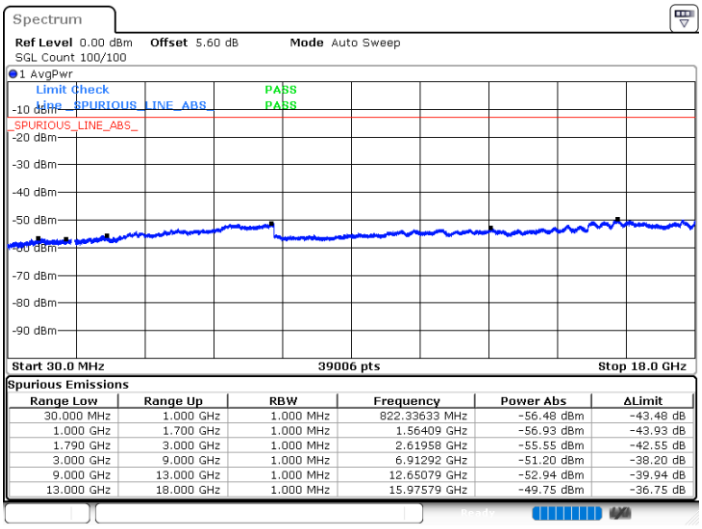


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-56.82 dBm	-43.82 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69423 GHz	-55.34 dBm	-42.34 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.53330 GHz	-55.41 dBm	-42.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91342 GHz	-51.16 dBm	-38.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67729 GHz	-53.04 dBm	-40.04 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.96663 GHz	-49.96 dBm	-36.96 dB

Date: 27.JUL.2024 13:33:36

Middle Channel / QPSK

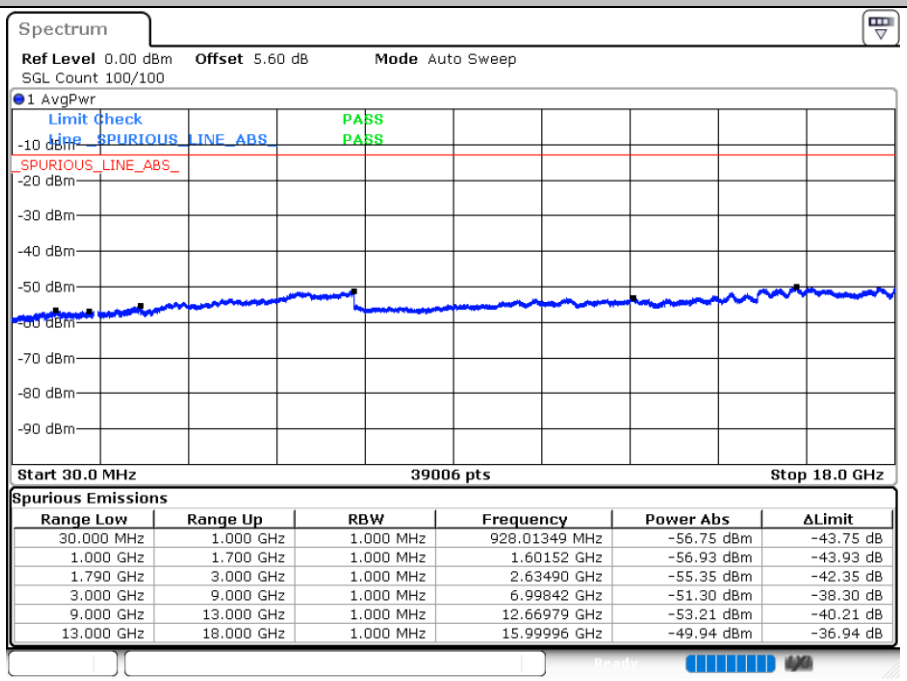


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	822.33633 MHz	-56.48 dBm	-43.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56409 GHz	-56.93 dBm	-43.93 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.61958 GHz	-55.55 dBm	-42.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91292 GHz	-51.20 dBm	-38.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65079 GHz	-52.94 dBm	-39.94 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.97579 GHz	-49.75 dBm	-36.75 dB

Date: 27.JUL.2024 13:41:42

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-56.75 dBm	-43.75 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60152 GHz	-56.93 dBm	-43.93 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.63490 GHz	-55.35 dBm	-42.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99842 GHz	-51.30 dBm	-38.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66979 GHz	-53.21 dBm	-40.21 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.99996 GHz	-49.94 dBm	-36.94 dB

Date: 27.JUL.2024 13:43:08

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0038	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0063	

Note:

1. Normal Voltage =3.91 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake zhou	Temperature :	23~25℃
		Relative Humidity :	53~58%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

LTE Band 12 / 10MHz / QPSK_Ant0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-73.10	-13	-60.10	-80.07	1.58	10.70	H
	2112	-68.95	-13	-55.95	-77.20	2.102	12.50	H
	2816	-68.07	-13	-55.07	-76.96	2.856	13.90	H
	1408	-72.58	-13	-59.58	-79.55	1.58	10.70	V
	2112	-67.71	-13	-54.71	-75.96	2.10	12.50	V
	2816	-67.54	-13	-54.54	-76.43	2.86	13.90	V

LTE Band 13 / 5MHz / QPSK_Ant0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-71.72	-42.15	-29.57	-74.35	1.09	5.87	H
	2336	-57.06	-13	-44.06	-59.46	1.37	5.92	H
	3120	-68.41	-13	-55.41	-72.30	1.64	7.68	H
	1560	-72.04	-42.15	-29.89	-74.67	1.09	5.87	V
	2336	-57.41	-13	-44.41	-59.81	1.37	5.92	V
	3120	-68.38	-13	-55.38	-72.27	1.64	7.68	V

LTE Band 13 / 10MHz / QPSK_Ant0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-72.45	-13	-59.45	-75.08	1.09	5.87	H
	2336	-58.94	-13	-45.94	-61.34	1.37	5.92	H
	3112	-68.38	-13	-55.38	-72.27	1.64	7.68	H
	1552	-72.77	-13	-59.77	-75.40	1.09	5.87	V
	2336	-58.80	-13	-45.80	-61.20	1.37	5.92	V
	3112	-68.10	-13	-55.10	-71.99	1.64	7.68	V

LTE Band 25 / 20MHz / QPSK_Ant1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3750	-58.84	-13	-45.84	-71.10	2.64	14.90	H
	5625	-40.49	-13	-27.49	-52.35	2.94	14.80	H
	7500	-53.37	-13	-40.37	-63.14	3.39	13.16	H
	9360	-52.29	-13	-39.29	-62.77	4.00	14.48	H
	3750	-59.19	-13	-46.19	-71.45	2.64	14.90	V
	5625	-42.18	-13	-29.18	-54.04	2.94	14.80	V
	7500	-55.73	-13	-42.73	-65.50	3.39	13.16	V
	9360	-49.22	-13	-36.22	-59.70	4.00	14.48	V

LTE Band 26 / 15MHz / QPSK_Ant0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-69.48	-13	-56.48	-76.45	1.58	10.70	H
	2488	-63.82	-13	-50.82	-72.07	2.102	12.50	H
	3320	-67.95	-13	-54.95	-76.84	2.856	13.90	H
	1656	-71.74	-13	-58.74	-78.71	1.58	10.70	V
	2488	-61.49	-13	-48.49	-69.74	2.10	12.50	V
	3320	-68.40	-13	-55.40	-77.29	2.86	13.90	V

LTE Band 66 / 20MHz / QPSK_Ant1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3465	-61.17	-13	-48.17	-71.91	2.604	13.34	H
	5205	-42.68	-13	-29.68	-53.19	3.011	13.52	H
	6945	-55.17	-13	-42.17	-65.37	3.271	13.47	H
	8685	-50.86	-13	-37.86	-57.83	5.527	12.5	H
	3465	-64.03	-13	-51.03	-74.77	2.604	13.34	V
	5205	-46.34	-13	-33.34	-56.85	3.011	13.52	V
	6945	-57.60	-13	-44.60	-67.80	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.