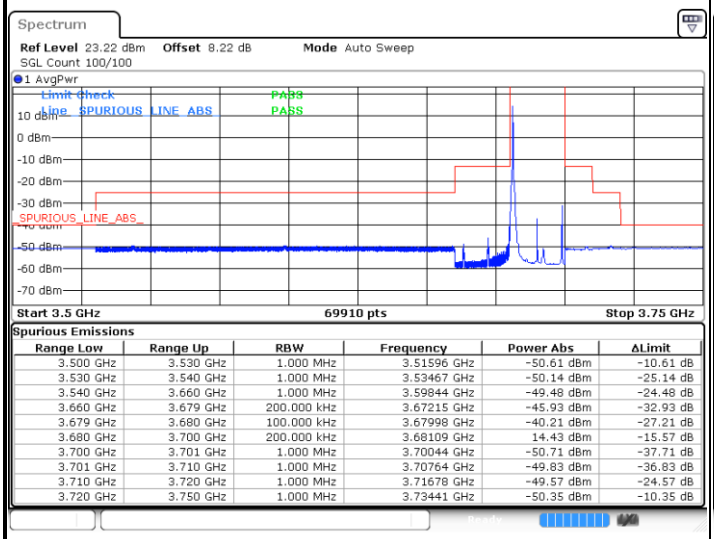
LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

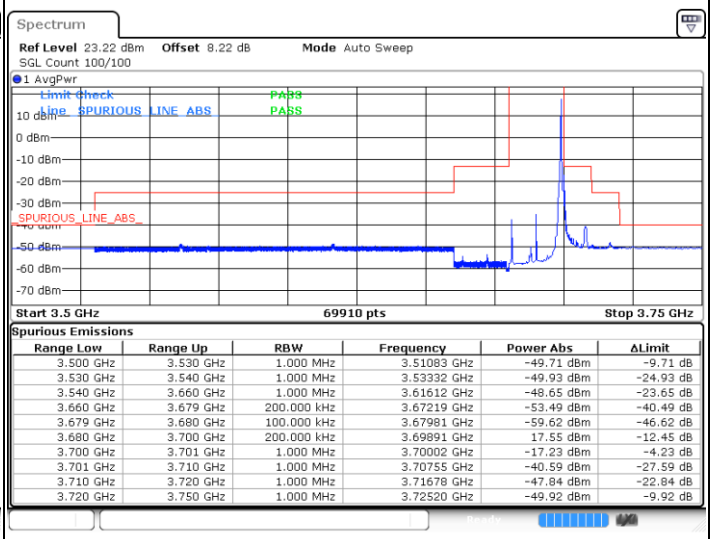


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51596 GHz	-50.61 dBm	-10.61 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53467 GHz	-50.14 dBm	-25.14 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.59844 GHz	-49.48 dBm	-24.48 dB
3.660 GHz	3.679 GHz	200.000 kHz	3.67215 GHz	-45.93 dBm	-32.93 dB
3.679 GHz	3.680 GHz	100.000 kHz	3.67998 GHz	-40.21 dBm	-27.21 dB
3.680 GHz	3.700 GHz	200.000 kHz	3.68109 GHz	14.43 dBm	-15.57 dB
3.700 GHz	3.701 GHz	1.000 MHz	3.70044 GHz	-50.71 dBm	-37.71 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70764 GHz	-49.83 dBm	-36.83 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71678 GHz	-49.57 dBm	-24.57 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73441 GHz	-50.35 dBm	-10.35 dB

Date: 11.SEP.2020 21:00:34

Highest Channel / 1RBmax

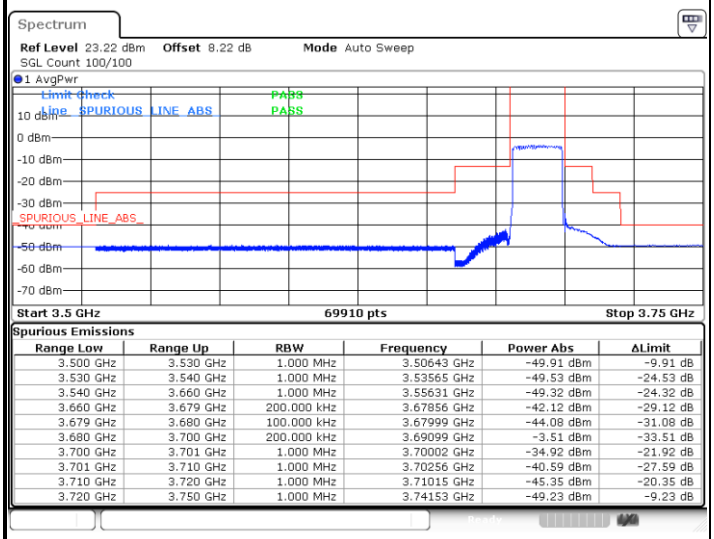


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51083 GHz	-49.71 dBm	-9.71 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53332 GHz	-49.93 dBm	-24.93 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.61612 GHz	-48.65 dBm	-23.65 dB
3.660 GHz	3.679 GHz	200.000 kHz	3.67219 GHz	-53.49 dBm	-40.49 dB
3.679 GHz	3.680 GHz	100.000 kHz	3.67981 GHz	-59.62 dBm	-46.62 dB
3.680 GHz	3.700 GHz	200.000 kHz	3.69891 GHz	17.55 dBm	-12.45 dB
3.700 GHz	3.701 GHz	1.000 MHz	3.70002 GHz	-17.23 dBm	-4.23 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70755 GHz	-40.59 dBm	-27.59 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71678 GHz	-47.84 dBm	-22.84 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72520 GHz	-49.92 dBm	-9.92 dB

Date: 11.SEP.2020 20:56:44

Highest Channel / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50643 GHz	-49.91 dBm	-9.91 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53565 GHz	-49.53 dBm	-24.53 dB
3.540 GHz	3.660 GHz	1.000 MHz	3.55631 GHz	-49.32 dBm	-24.32 dB
3.660 GHz	3.679 GHz	200.000 kHz	3.67856 GHz	-42.12 dBm	-29.12 dB
3.679 GHz	3.680 GHz	100.000 kHz	3.67999 GHz	-44.08 dBm	-31.08 dB
3.680 GHz	3.700 GHz	200.000 kHz	3.69099 GHz	-3.51 dBm	-33.51 dB
3.700 GHz	3.701 GHz	1.000 MHz	3.70002 GHz	-34.92 dBm	-21.92 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70256 GHz	-40.59 dBm	-27.59 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71015 GHz	-45.35 dBm	-20.35 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74153 GHz	-49.23 dBm	-9.23 dB

Date: 11.SEP.2020 16:46:58

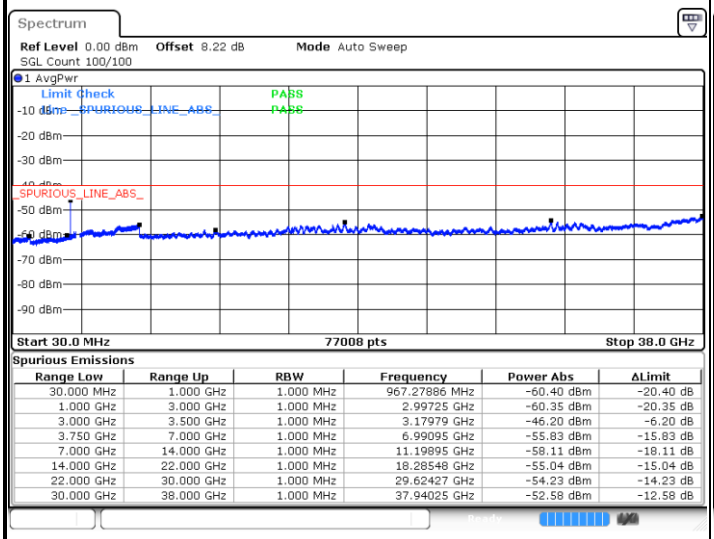
N/A

Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK

Lowest Channel / 1RB0

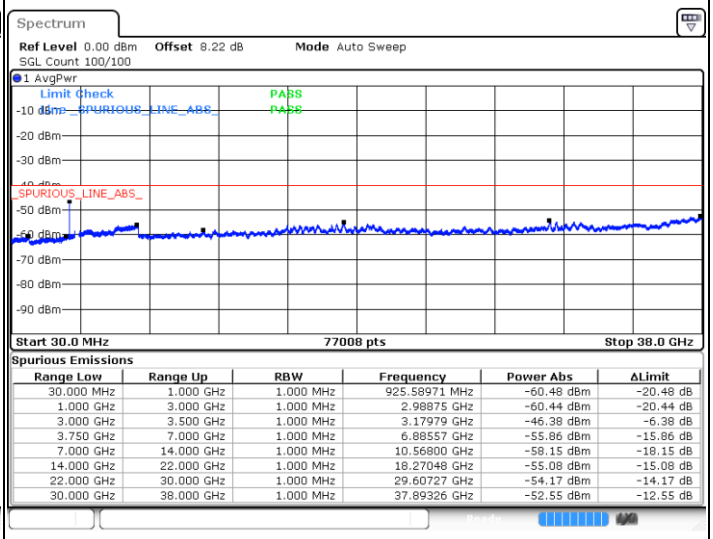


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	967.27886 MHz	-60.40 dBm	-20.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99725 GHz	-60.35 dBm	-20.35 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.20 dBm	-6.20 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.99095 GHz	-55.83 dBm	-15.83 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.19895 GHz	-58.11 dBm	-18.11 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28548 GHz	-55.04 dBm	-15.04 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62427 GHz	-54.23 dBm	-14.23 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.94025 GHz	-52.58 dBm	-12.58 dB

Date: 11.SEP.2020 22:47:20

Middle Channel / 1RB0

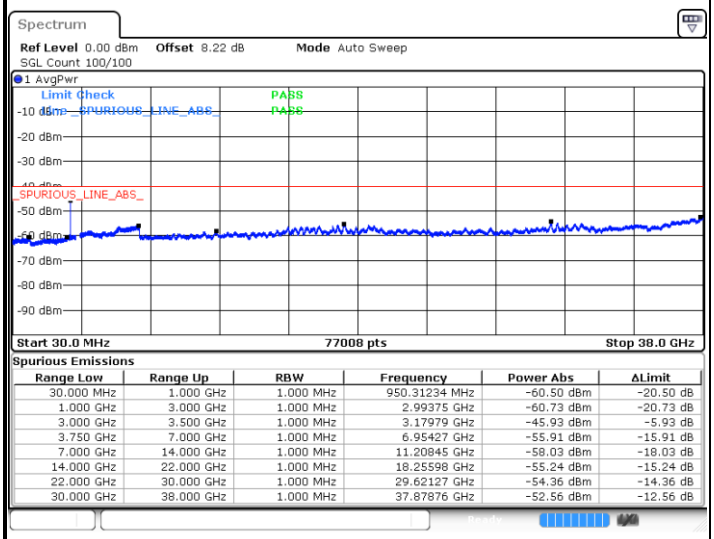


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-60.48 dBm	-20.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98875 GHz	-60.44 dBm	-20.44 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.38 dBm	-6.38 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.88557 GHz	-55.86 dBm	-15.86 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.56800 GHz	-58.15 dBm	-18.15 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27048 GHz	-55.08 dBm	-15.08 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.60727 GHz	-54.17 dBm	-14.17 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.89326 GHz	-52.55 dBm	-12.55 dB

Date: 11.SEP.2020 22:42:15

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-60.50 dBm	-20.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-60.73 dBm	-20.73 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.93 dBm	-5.93 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.95427 GHz	-55.91 dBm	-15.91 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.20845 GHz	-58.03 dBm	-18.03 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.25598 GHz	-55.24 dBm	-15.24 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62127 GHz	-54.36 dBm	-14.36 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.87876 GHz	-52.56 dBm	-12.56 dB

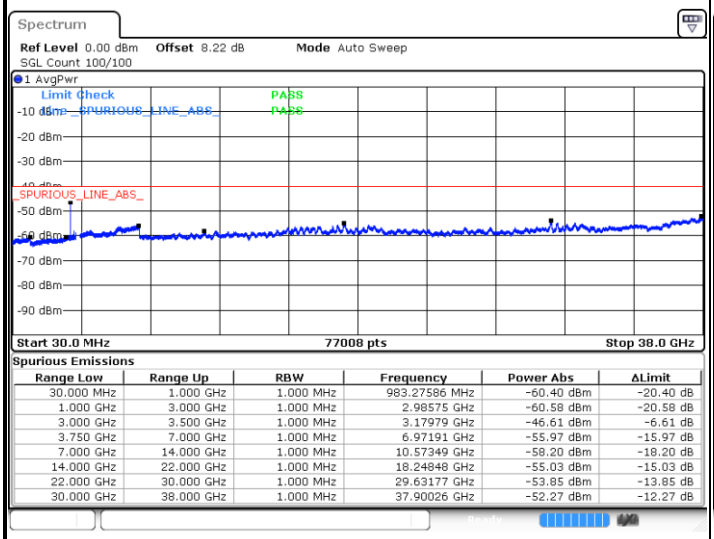
Date: 11.SEP.2020 22:50:49

N/A

LTE Band 48 / 10MHz

QPSK

Lowest Channel / 1RB0

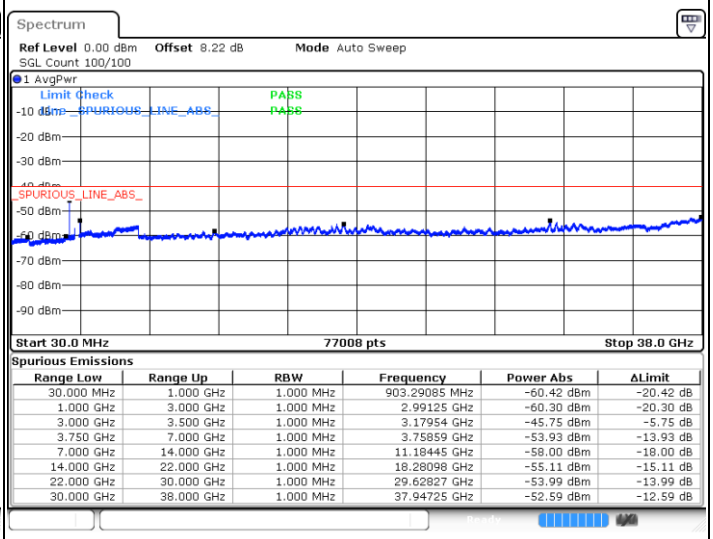


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-60.40 dBm	-20.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98575 GHz	-60.58 dBm	-20.58 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.61 dBm	-6.61 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97191 GHz	-55.97 dBm	-15.97 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57349 GHz	-58.20 dBm	-18.20 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.24848 GHz	-55.03 dBm	-15.03 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63177 GHz	-53.85 dBm	-13.85 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.90026 GHz	-52.27 dBm	-12.27 dB

Date: 11.SEP.2020 22:36:32

Middle Channel / 1RB0

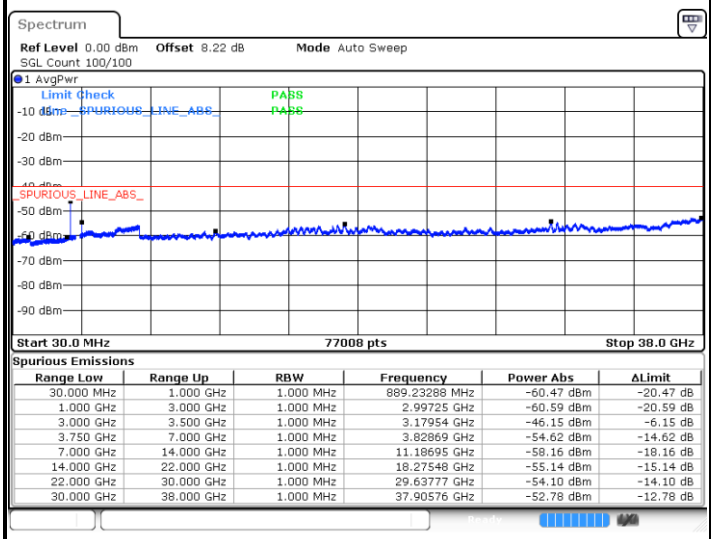


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.29085 MHz	-60.42 dBm	-20.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99125 GHz	-60.30 dBm	-20.30 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17954 GHz	-45.75 dBm	-5.75 dB
3.750 GHz	7.000 GHz	1.000 MHz	3.75859 GHz	-53.93 dBm	-13.93 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.18445 GHz	-58.00 dBm	-18.00 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28098 GHz	-55.11 dBm	-15.11 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62827 GHz	-53.99 dBm	-13.99 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.94725 GHz	-52.59 dBm	-12.59 dB

Date: 11.SEP.2020 22:34:33

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-60.47 dBm	-20.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99725 GHz	-60.59 dBm	-20.59 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17954 GHz	-46.15 dBm	-6.15 dB
3.750 GHz	7.000 GHz	1.000 MHz	3.82869 GHz	-54.62 dBm	-14.62 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.18695 GHz	-58.16 dBm	-18.16 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27548 GHz	-55.14 dBm	-15.14 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63777 GHz	-54.10 dBm	-14.10 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.90576 GHz	-52.78 dBm	-12.78 dB

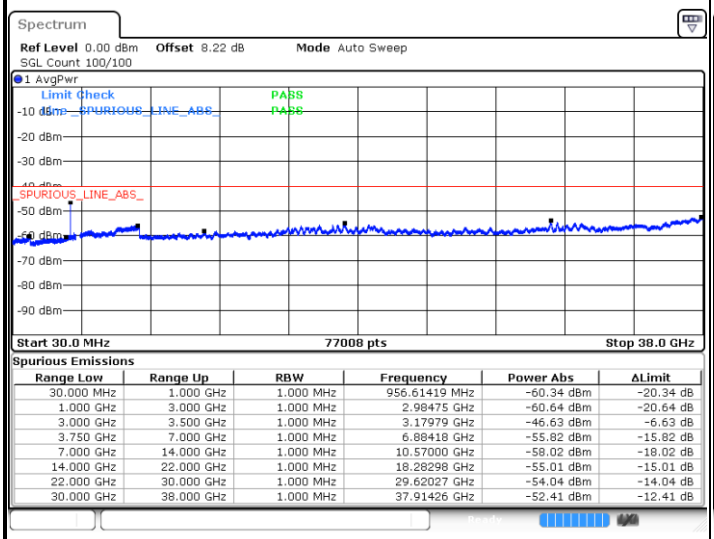
Date: 11.SEP.2020 22:40:57

N/A

LTE Band 48 / 15MHz

QPSK

Lowest Channel / 1RB0

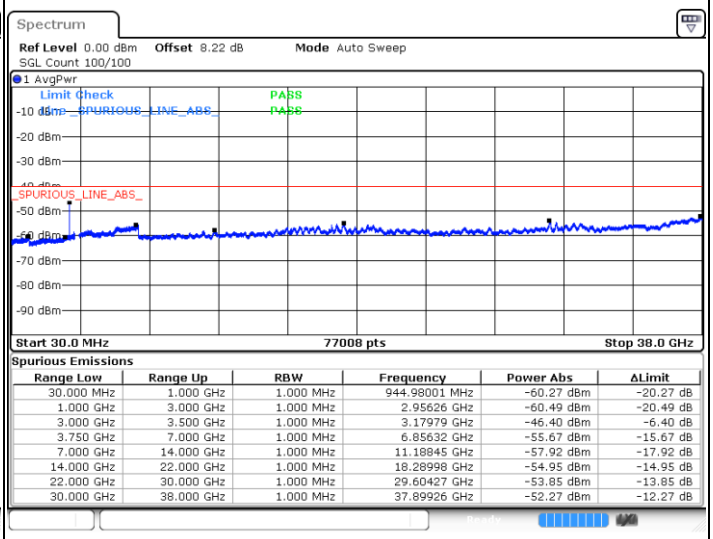


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.61419 MHz	-60.34 dBm	-20.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98475 GHz	-60.64 dBm	-20.64 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.63 dBm	-6.63 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.88418 GHz	-55.82 dBm	-15.82 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57000 GHz	-58.02 dBm	-18.02 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28298 GHz	-55.01 dBm	-15.01 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62027 GHz	-54.04 dBm	-14.04 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.91426 GHz	-52.41 dBm	-12.41 dB

Date: 11.SEP.2020 22:28:59

Middle Channel / 1RB0

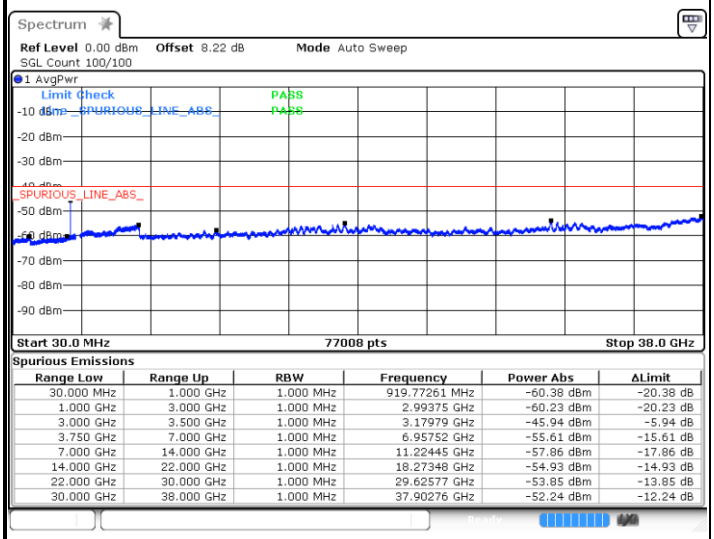


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.98001 MHz	-60.27 dBm	-20.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95626 GHz	-60.49 dBm	-20.49 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.40 dBm	-6.40 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.85632 GHz	-55.67 dBm	-15.67 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.18845 GHz	-57.92 dBm	-17.92 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28998 GHz	-54.95 dBm	-14.95 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.60427 GHz	-53.85 dBm	-13.85 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.89926 GHz	-52.27 dBm	-12.27 dB

Date: 11.SEP.2020 22:27:38

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.77261 MHz	-60.38 dBm	-20.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-60.23 dBm	-20.23 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.94 dBm	-5.94 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.95752 GHz	-55.61 dBm	-15.61 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.22445 GHz	-57.86 dBm	-17.86 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27348 GHz	-54.93 dBm	-14.93 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62577 GHz	-53.85 dBm	-13.85 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.90276 GHz	-52.24 dBm	-12.24 dB

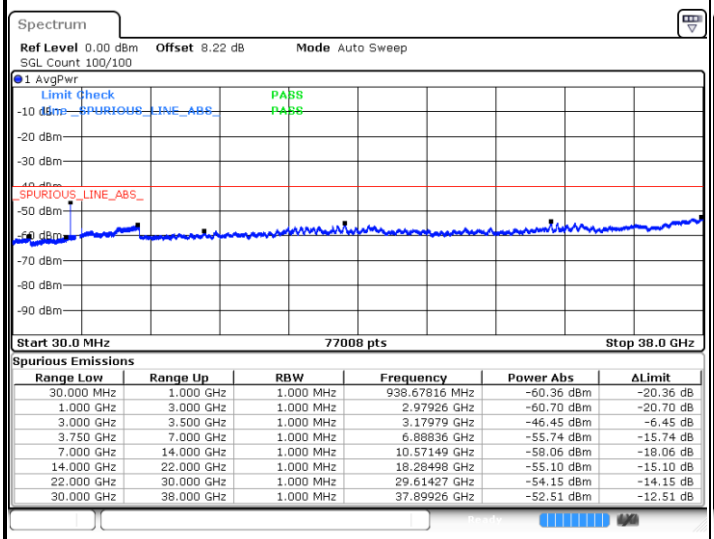
Date: 11.SEP.2020 22:23:07

N/A

LTE Band 48 / 20MHz

QPSK

Lowest Channel / 1RB0

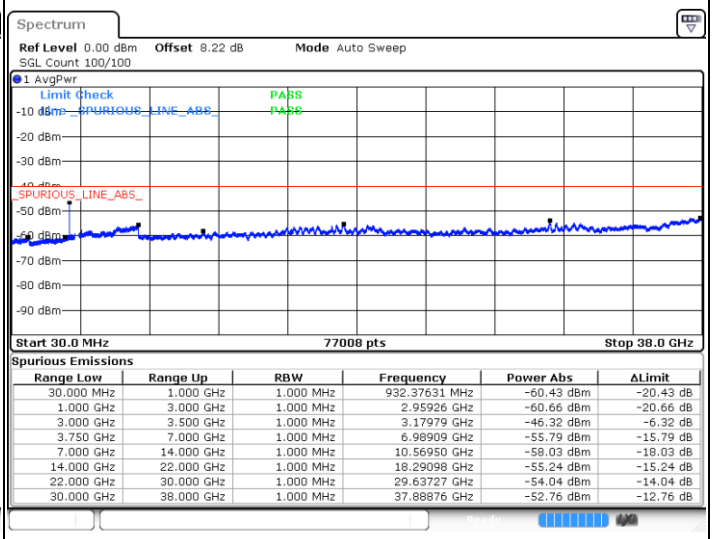


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-60.36 dBm	-20.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97926 GHz	-60.70 dBm	-20.70 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.45 dBm	-6.45 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.88836 GHz	-55.74 dBm	-15.74 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57149 GHz	-58.06 dBm	-18.06 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28498 GHz	-55.10 dBm	-15.10 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.61427 GHz	-54.15 dBm	-14.15 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.89926 GHz	-52.51 dBm	-12.51 dB

Date: 11.SEP.2020 22:59:34

Middle Channel / 1RB0

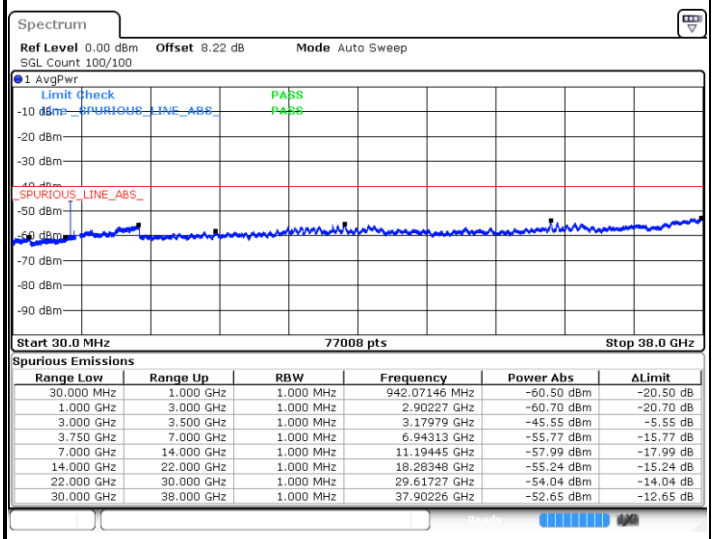


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-60.43 dBm	-20.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95926 GHz	-60.66 dBm	-20.66 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.32 dBm	-6.32 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.98909 GHz	-55.79 dBm	-15.79 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.56950 GHz	-58.03 dBm	-18.03 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.29098 GHz	-55.24 dBm	-15.24 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63727 GHz	-54.04 dBm	-14.04 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.88876 GHz	-52.76 dBm	-12.76 dB

Date: 11.SEP.2020 22:57:09

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-60.50 dBm	-20.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90227 GHz	-60.70 dBm	-20.70 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.55 dBm	-5.55 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.94313 GHz	-55.77 dBm	-15.77 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.19445 GHz	-57.99 dBm	-17.99 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28348 GHz	-55.24 dBm	-15.24 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.61727 GHz	-54.04 dBm	-14.04 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.90226 GHz	-52.65 dBm	-12.65 dB

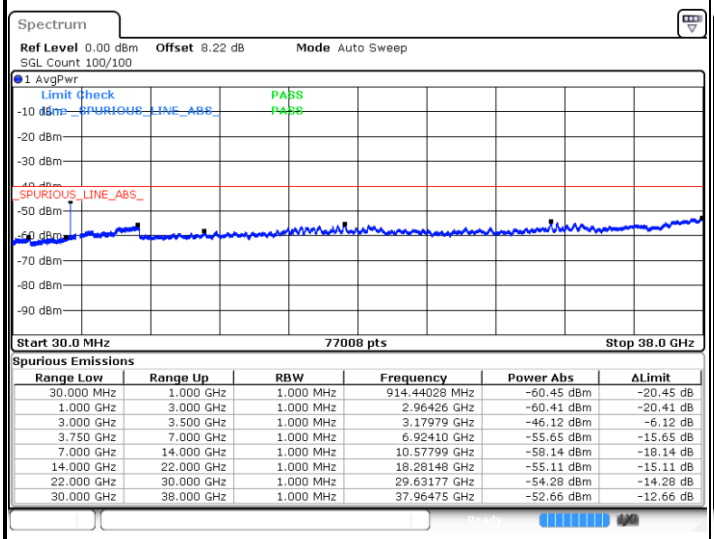
Date: 11.SEP.2020 23:04:31

N/A

LTE Band 48 / 5MHz

16QAM

Lowest Channel / 1RB0

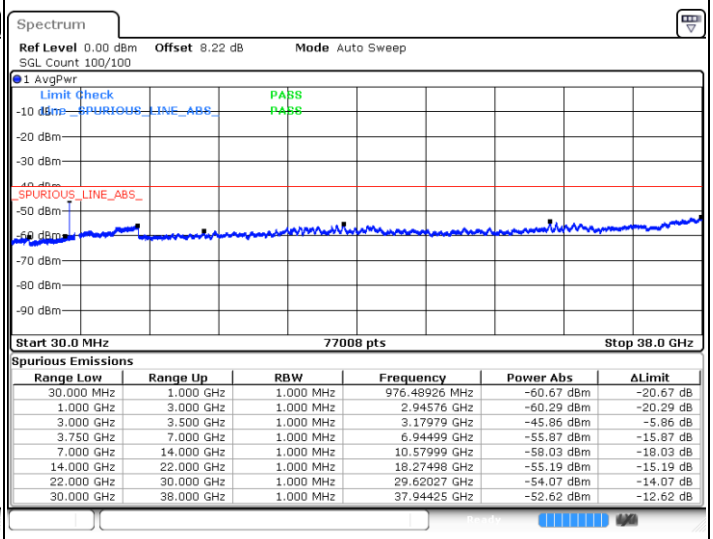


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-60.45 dBm	-20.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96426 GHz	-60.41 dBm	-20.41 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.12 dBm	-6.12 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92410 GHz	-55.65 dBm	-15.65 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57799 GHz	-58.14 dBm	-18.14 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28148 GHz	-55.11 dBm	-15.11 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63177 GHz	-54.28 dBm	-14.28 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.96475 GHz	-52.66 dBm	-12.66 dB

Date: 11.SEP.2020 22:45:40

Middle Channel / 1RB0

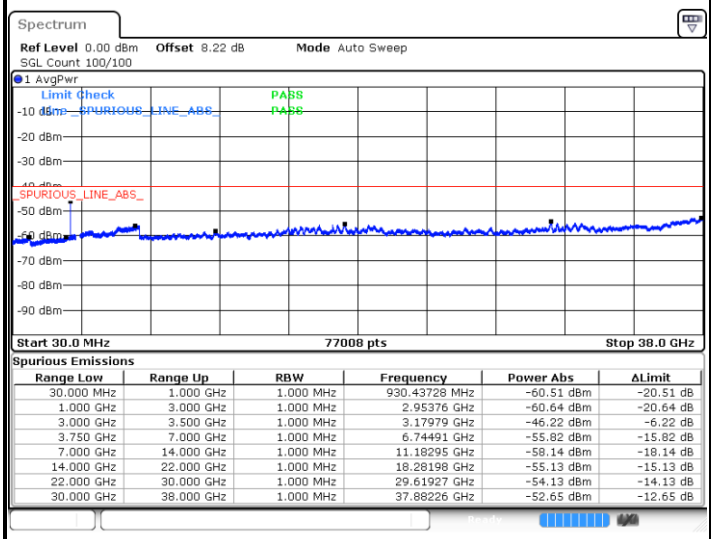


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-60.67 dBm	-20.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94576 GHz	-60.29 dBm	-20.29 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.86 dBm	-5.86 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.94499 GHz	-55.87 dBm	-15.87 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57999 GHz	-58.03 dBm	-18.03 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27498 GHz	-55.19 dBm	-15.19 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62027 GHz	-54.07 dBm	-14.07 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.94425 GHz	-52.62 dBm	-12.62 dB

Date: 11.SEP.2020 22:43:58

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.43728 MHz	-60.51 dBm	-20.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95376 GHz	-60.64 dBm	-20.64 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.22 dBm	-6.22 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.74491 GHz	-55.82 dBm	-15.82 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.18295 GHz	-58.14 dBm	-18.14 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28198 GHz	-55.13 dBm	-15.13 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.61927 GHz	-54.13 dBm	-14.13 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.88226 GHz	-52.65 dBm	-12.65 dB

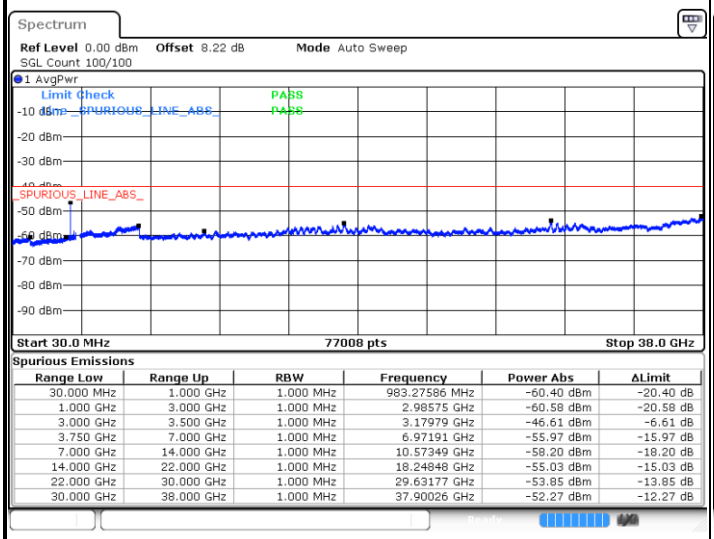
Date: 11.SEP.2020 22:52:41

N/A

LTE Band 48 / 10MHz

16QAM

Lowest Channel / 1RB0

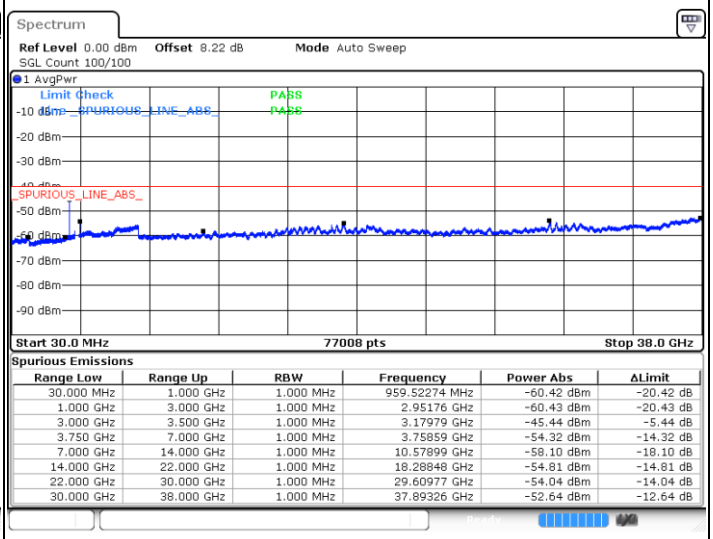


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-60.40 dBm	-20.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98575 GHz	-60.58 dBm	-20.58 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.61 dBm	-6.61 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97191 GHz	-55.97 dBm	-15.97 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57349 GHz	-58.20 dBm	-18.20 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.24848 GHz	-55.03 dBm	-15.03 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63177 GHz	-53.85 dBm	-13.85 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.90026 GHz	-52.27 dBm	-12.27 dB

Date: 11.SEP.2020 22:36:32

Middle Channel / 1RB0

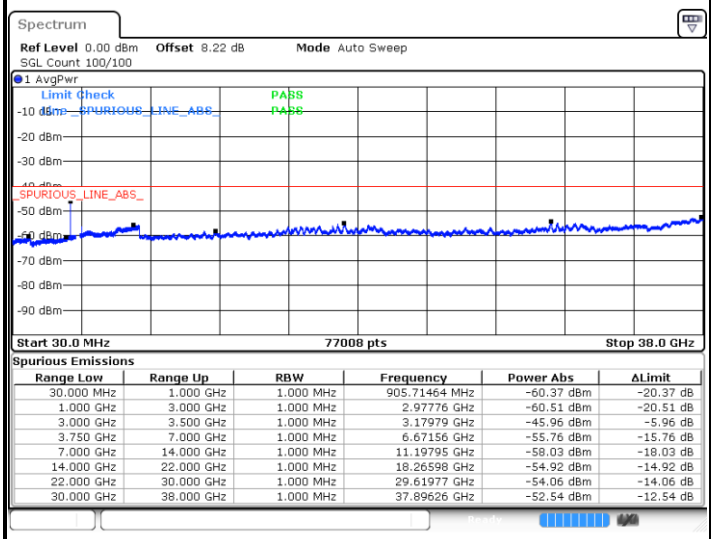


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-60.42 dBm	-20.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95176 GHz	-60.43 dBm	-20.43 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.44 dBm	-5.44 dB
3.750 GHz	7.000 GHz	1.000 MHz	3.75859 GHz	-54.32 dBm	-14.32 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.57899 GHz	-58.10 dBm	-18.10 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.28848 GHz	-54.81 dBm	-14.81 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.60977 GHz	-54.04 dBm	-14.04 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.89326 GHz	-52.64 dBm	-12.64 dB

Date: 11.SEP.2020 22:33:26

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.71464 MHz	-60.37 dBm	-20.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97776 GHz	-60.51 dBm	-20.51 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.96 dBm	-5.96 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.67156 GHz	-55.76 dBm	-15.76 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.19795 GHz	-58.03 dBm	-18.03 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.26598 GHz	-54.92 dBm	-14.92 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.61977 GHz	-54.06 dBm	-14.06 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.89626 GHz	-52.54 dBm	-12.54 dB

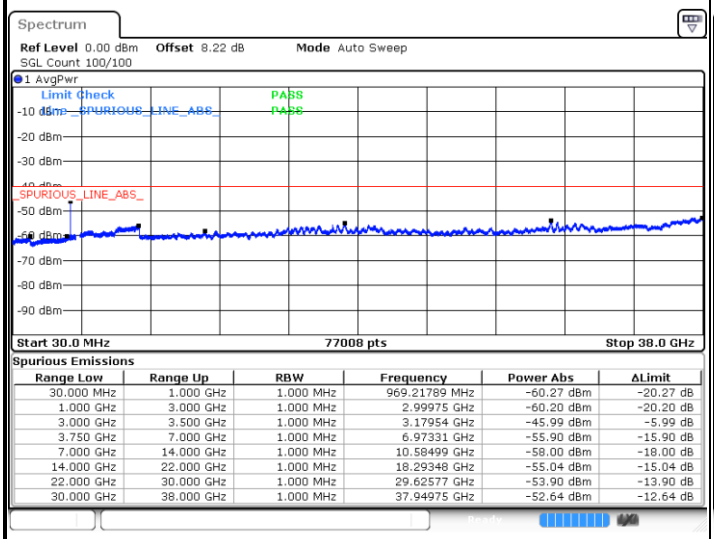
Date: 11.SEP.2020 22:39:31

N/A

LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

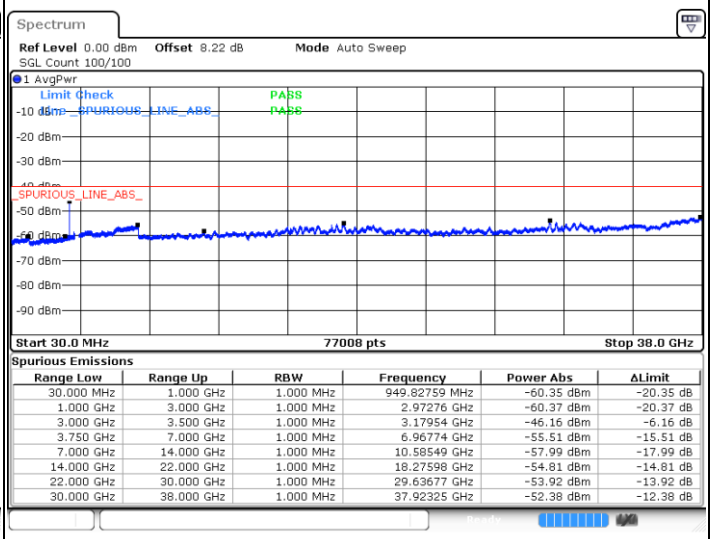


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.21789 MHz	-60.27 dBm	-20.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99975 GHz	-60.20 dBm	-20.20 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17954 GHz	-45.99 dBm	-5.99 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.97331 GHz	-55.90 dBm	-15.90 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.58499 GHz	-58.00 dBm	-18.00 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.29348 GHz	-55.04 dBm	-15.04 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62577 GHz	-53.90 dBm	-13.90 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.94975 GHz	-52.64 dBm	-12.64 dB

Date: 11.SEP.2020 22:31:01

Middle Channel / 1RB0

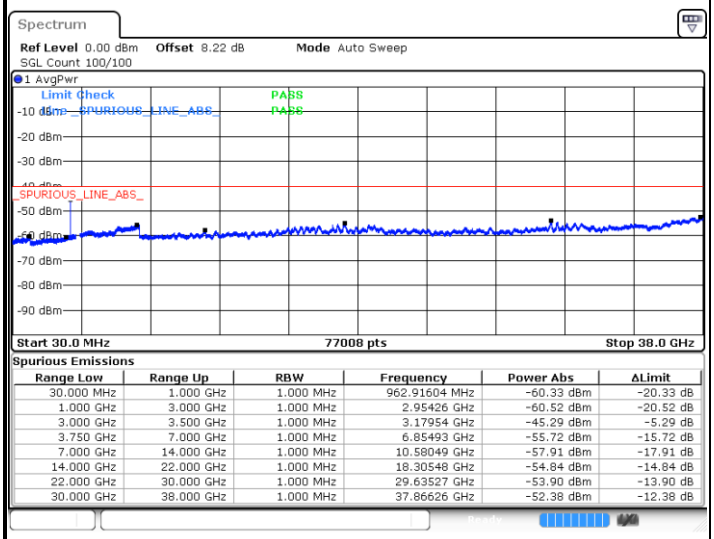


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.82759 MHz	-60.35 dBm	-20.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97276 GHz	-60.37 dBm	-20.37 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17954 GHz	-46.16 dBm	-6.16 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.96774 GHz	-55.51 dBm	-15.51 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.58549 GHz	-57.99 dBm	-17.99 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27598 GHz	-54.81 dBm	-14.81 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63677 GHz	-53.92 dBm	-13.92 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.92325 GHz	-52.38 dBm	-12.38 dB

Date: 11.SEP.2020 22:26:30

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-60.33 dBm	-20.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95426 GHz	-60.52 dBm	-20.52 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17954 GHz	-45.29 dBm	-5.29 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.85493 GHz	-55.72 dBm	-15.72 dB
7.000 GHz	14.000 GHz	1.000 MHz	10.58049 GHz	-57.91 dBm	-17.91 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.30548 GHz	-54.84 dBm	-14.84 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63527 GHz	-53.90 dBm	-13.90 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.86626 GHz	-52.38 dBm	-12.38 dB

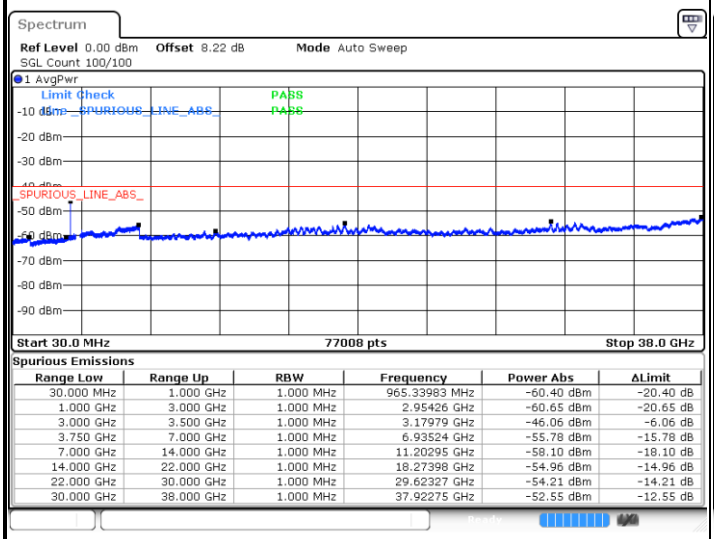
Date: 11.SEP.2020 22:24:39

N/A

LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

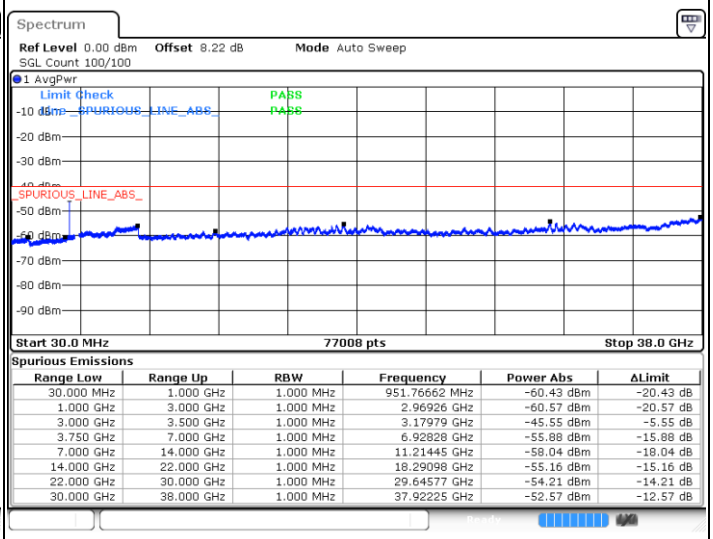


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-60.40 dBm	-20.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95426 GHz	-60.65 dBm	-20.65 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-46.06 dBm	-6.06 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.93524 GHz	-55.78 dBm	-15.78 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.20295 GHz	-58.10 dBm	-18.10 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27398 GHz	-54.96 dBm	-14.96 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.62327 GHz	-54.21 dBm	-14.21 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.92275 GHz	-52.55 dBm	-12.55 dB

Date: 11.SEP.2020 23:01:25

Middle Channel / 1RB0

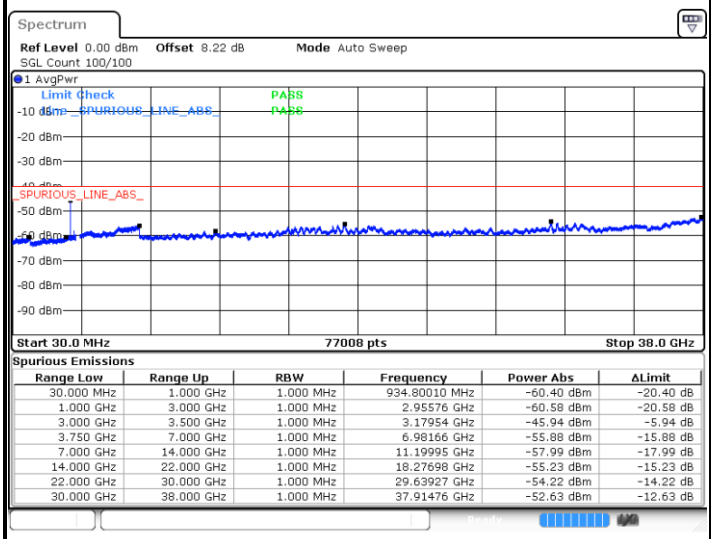


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-60.43 dBm	-20.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96926 GHz	-60.57 dBm	-20.57 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17979 GHz	-45.55 dBm	-5.55 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92828 GHz	-55.88 dBm	-15.88 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.21445 GHz	-58.04 dBm	-18.04 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.29098 GHz	-55.16 dBm	-15.16 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.64577 GHz	-54.21 dBm	-14.21 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.92225 GHz	-52.57 dBm	-12.57 dB

Date: 11.SEP.2020 22:55:25

Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-60.40 dBm	-20.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95576 GHz	-60.58 dBm	-20.58 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.17954 GHz	-45.94 dBm	-5.94 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.98166 GHz	-55.88 dBm	-15.88 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.19995 GHz	-57.99 dBm	-17.99 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.27698 GHz	-55.23 dBm	-15.23 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.63927 GHz	-54.22 dBm	-14.22 dB
30.000 GHz	38.000 GHz	1.000 MHz	37.91476 GHz	-52.63 dBm	-12.63 dB

Date: 11.SEP.2020 23:03:29

N/A

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 48 / 20MHz / QPSK								
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	7230	-60.20	-40	-20.20	-71.66	2.84	14.30	H
	10848	-55.34	-40	-15.34	-65.28	3.49	13.43	H
	14466	-52.01	-40	-12.01	-62.25	3.85	14.09	H
	7230	-59.75	-40	-19.75	-71.21	2.84	14.30	V
	10848	-55.20	-40	-15.20	-65.14	3.49	13.43	V
	14466	-48.72	-40	-8.72	-58.96	3.85	14.09	V

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