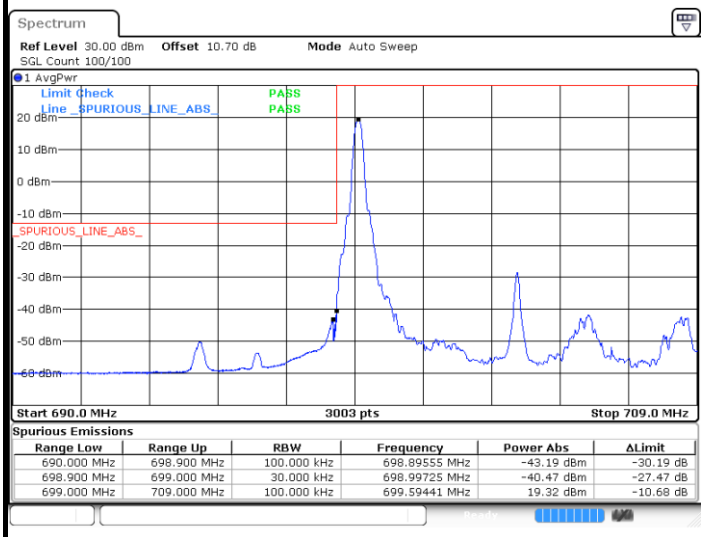
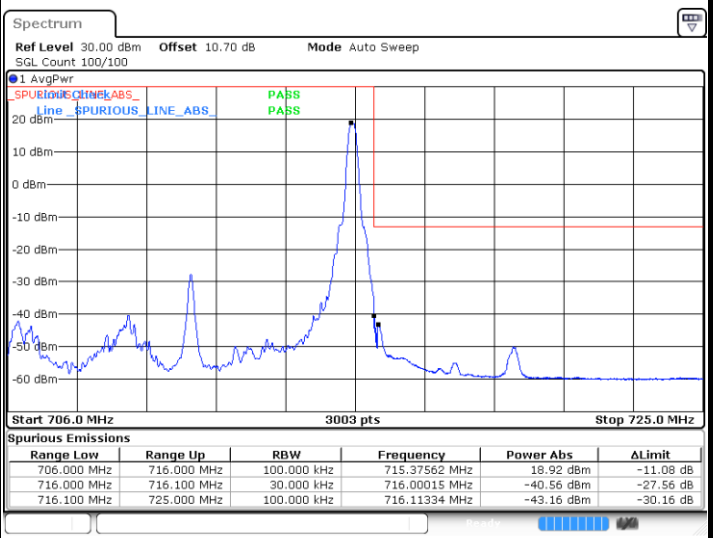
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



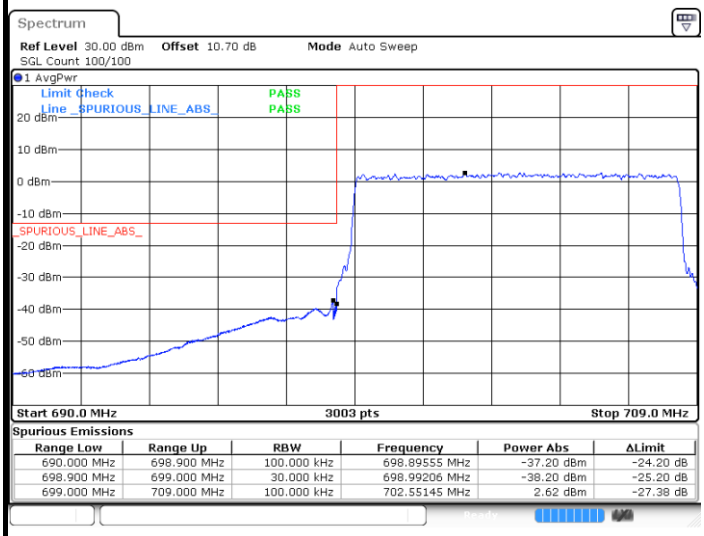
Date: 16.DEC.2019 11:27:24

Highest Band Edge / 1 RB



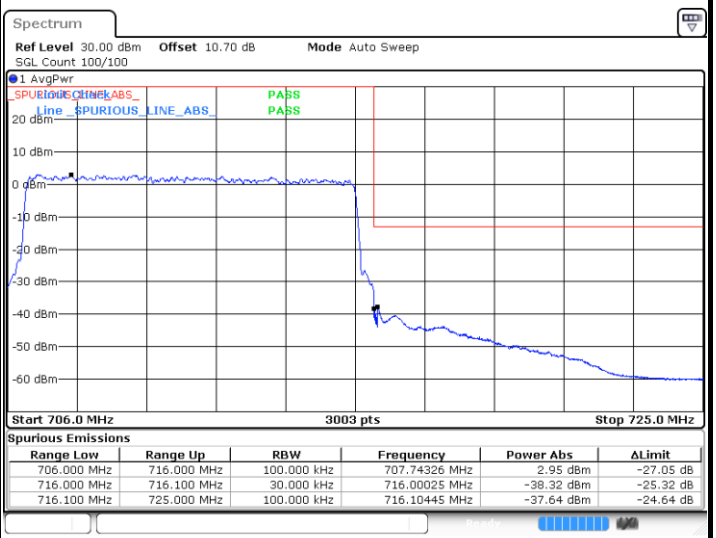
Date: 16.DEC.2019 11:35:44

Lowest Band Edge / Full RB



Date: 16.DEC.2019 11:24:22

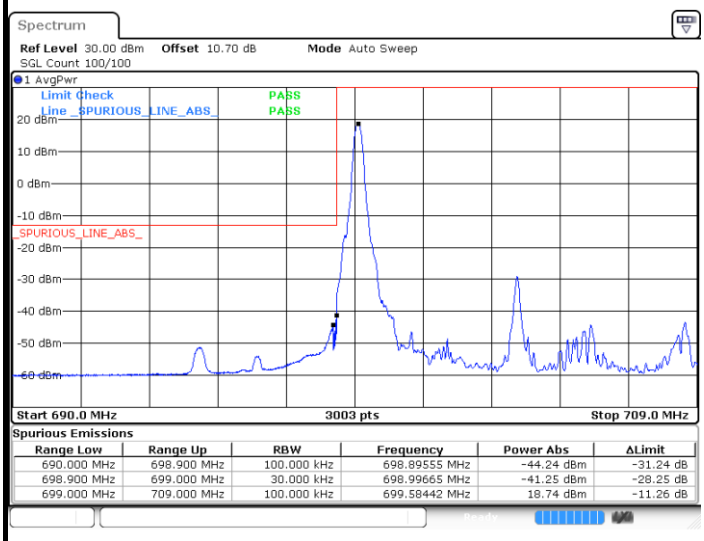
Highest Band Edge / Full RB



Date: 16.DEC.2019 11:32:41

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

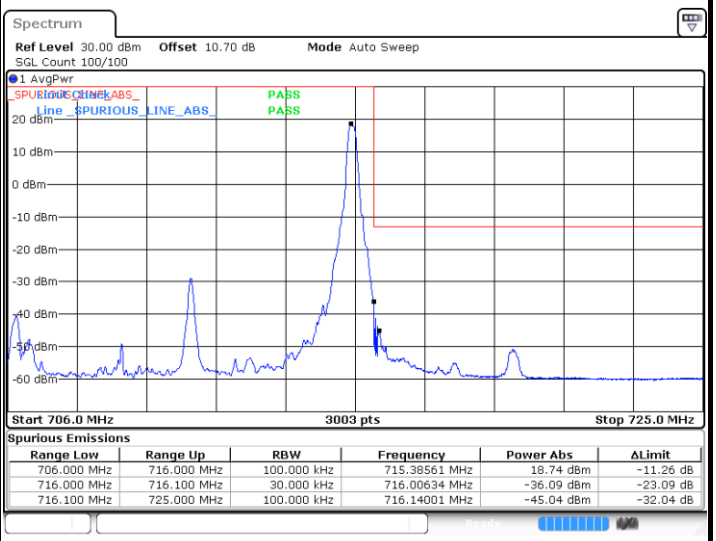


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-44.24 dBm	-31.24 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99665 MHz	-41.25 dBm	-28.25 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.58442 MHz	18.74 dBm	-11.26 dB

Date: 16.DEC.2019 11:26:23

Highest Band Edge / 1 RB

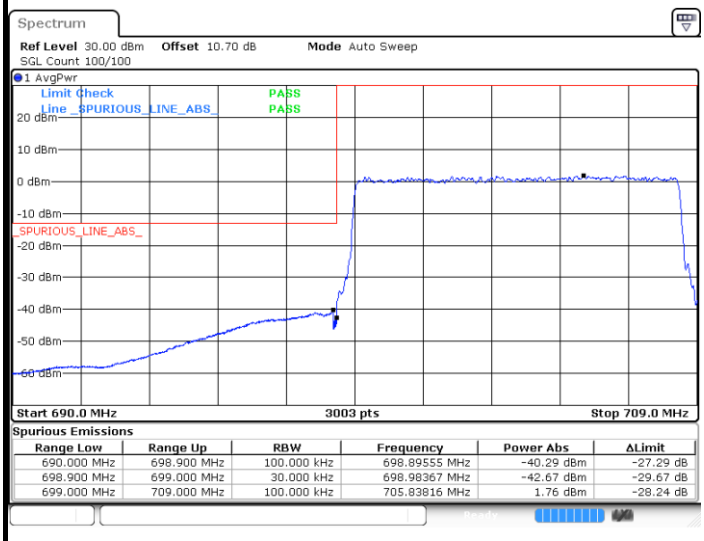


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	18.74 dBm	-11.26 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00634 MHz	-36.09 dBm	-23.09 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.14001 MHz	-45.04 dBm	-32.04 dB

Date: 16.DEC.2019 11:34:43

Lowest Band Edge / Full RB

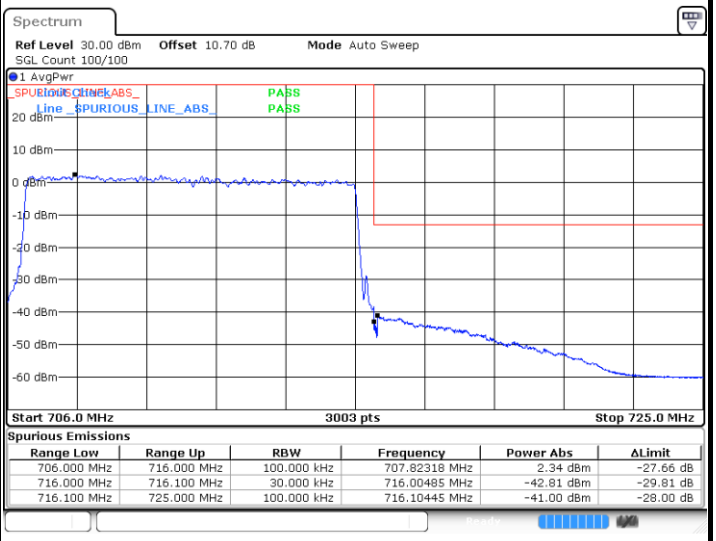


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-40.29 dBm	-27.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98367 MHz	-42.67 dBm	-29.67 dB
699.000 MHz	709.000 MHz	100.000 kHz	705.83816 MHz	1.76 dBm	-28.24 dB

Date: 16.DEC.2019 11:25:22

Highest Band Edge / Full RB



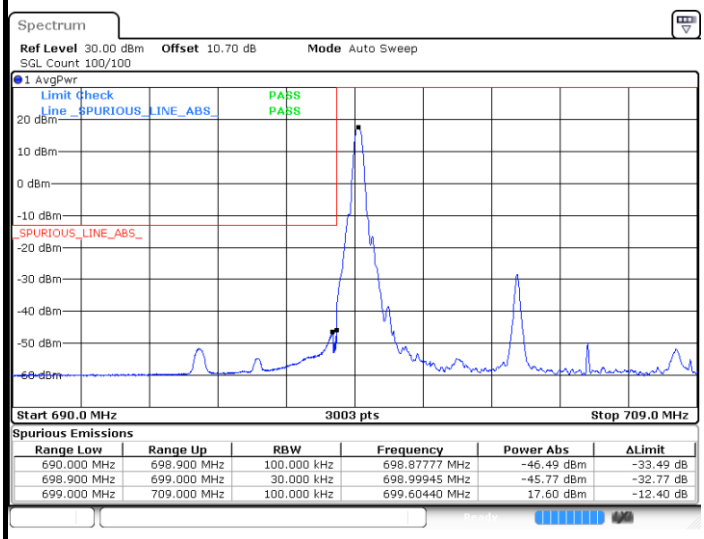
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	707.82318 MHz	2.34 dBm	-27.66 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00485 MHz	-42.81 dBm	-29.81 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-41.00 dBm	-28.00 dB

Date: 16.DEC.2019 11:33:42

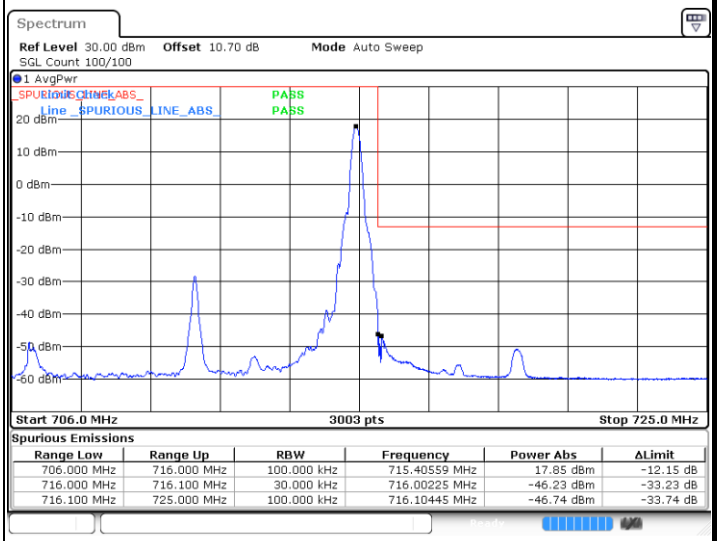
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



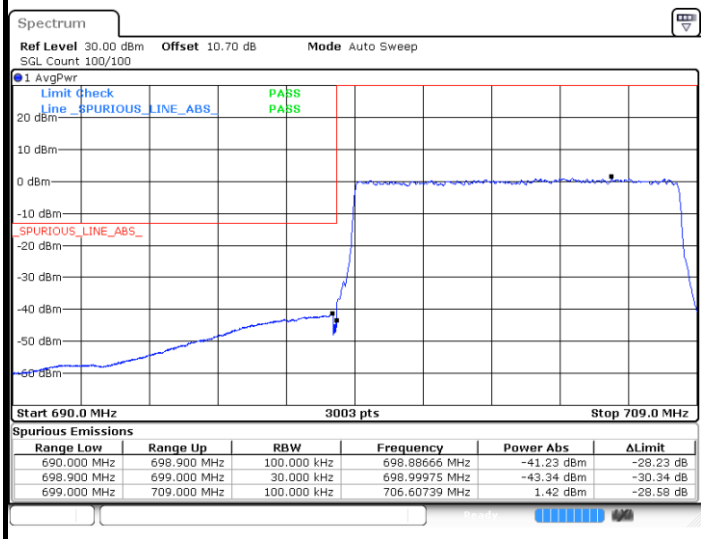
Date: 16.DEC.2019 14:57:06

Highest Band Edge / 1 RB



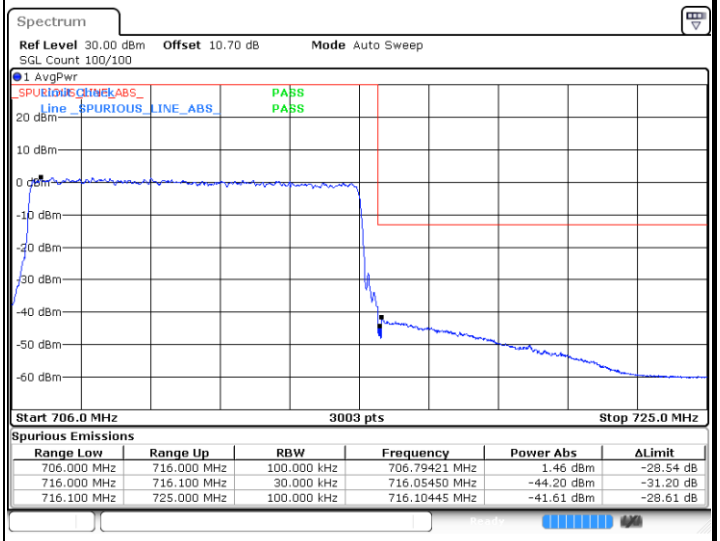
Date: 16.DEC.2019 15:01:15

Lowest Band Edge / Full RB



Date: 16.DEC.2019 14:56:05

Highest Band Edge / Full RB

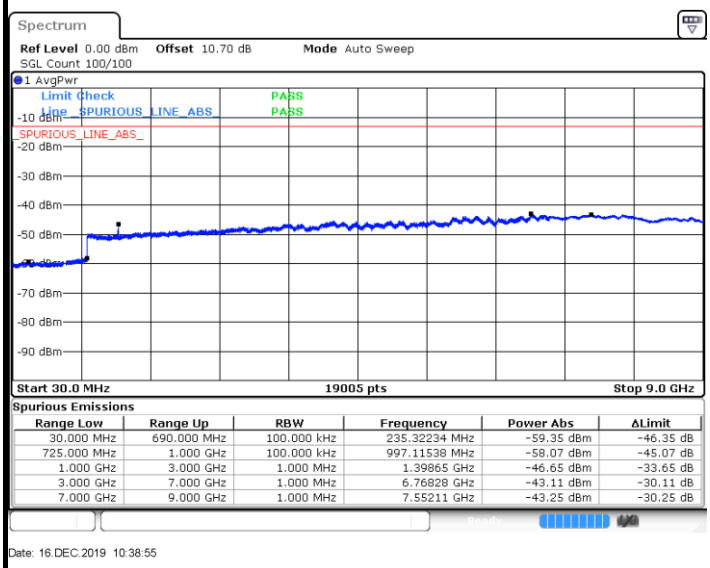


Date: 16.DEC.2019 15:00:14

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

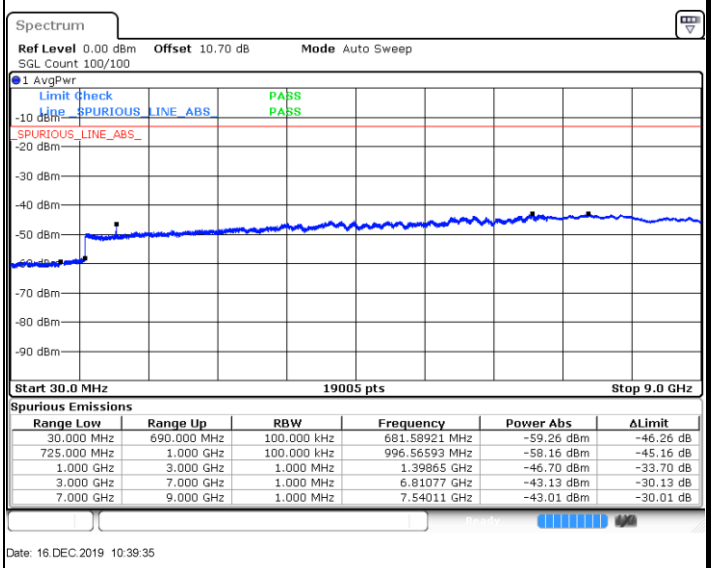


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.32234 MHz	-59.35 dBm	-46.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.11538 MHz	-58.07 dBm	-45.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.65 dBm	-33.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76828 GHz	-43.11 dBm	-30.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.25 dBm	-30.25 dB

Date: 16.DEC.2019 10:38:55

Lowest Channel / 16QAM

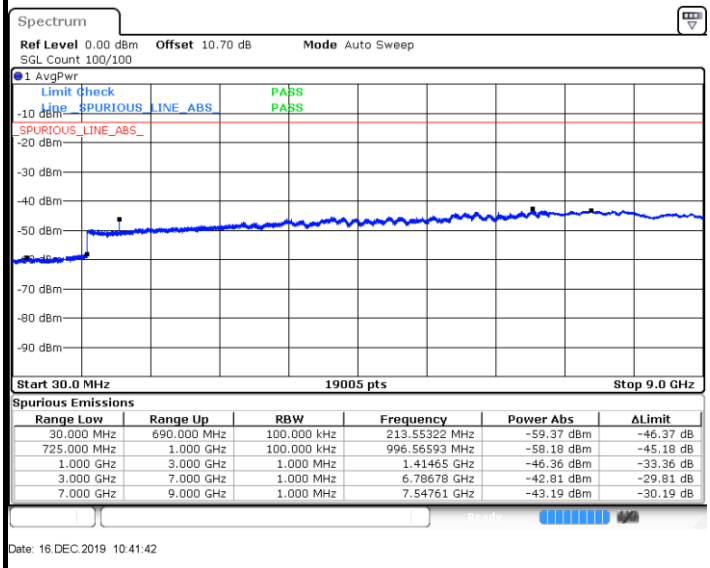


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.58921 MHz	-59.26 dBm	-46.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.56593 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81077 GHz	-43.13 dBm	-30.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54011 GHz	-43.01 dBm	-30.01 dB

Date: 16.DEC.2019 10:39:35

Middle Channel / QPSK

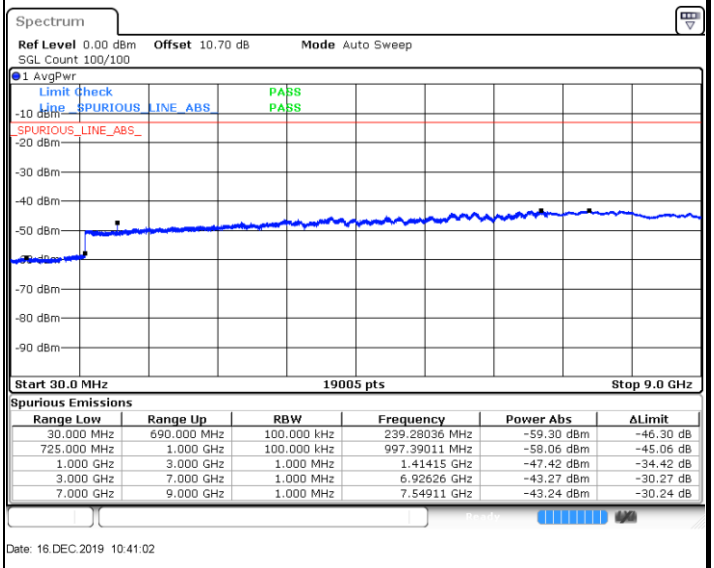


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	213.55322 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.56593 MHz	-58.18 dBm	-45.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-46.36 dBm	-33.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78678 GHz	-42.81 dBm	-29.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.19 dBm	-30.19 dB

Date: 16.DEC.2019 10:41:42

Middle Channel / 16QAM



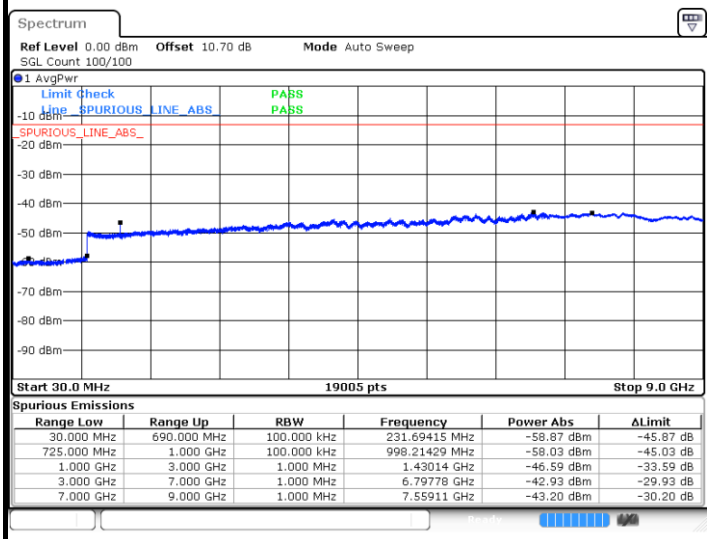
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.28036 MHz	-59.30 dBm	-46.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.39011 MHz	-58.06 dBm	-45.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-47.42 dBm	-34.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92626 GHz	-43.27 dBm	-30.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-43.24 dBm	-30.24 dB

Date: 16.DEC.2019 10:41:02

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

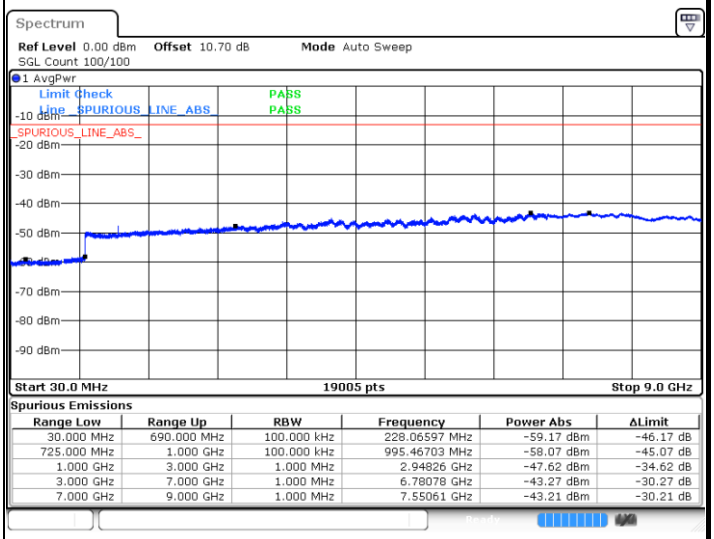


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.69415 MHz	-58.87 dBm	-45.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.03 dBm	-45.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-42.93 dBm	-29.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55911 GHz	-43.20 dBm	-30.20 dB

Date: 16.DEC.2019 10:47:14

Highest Channel / 16QAM



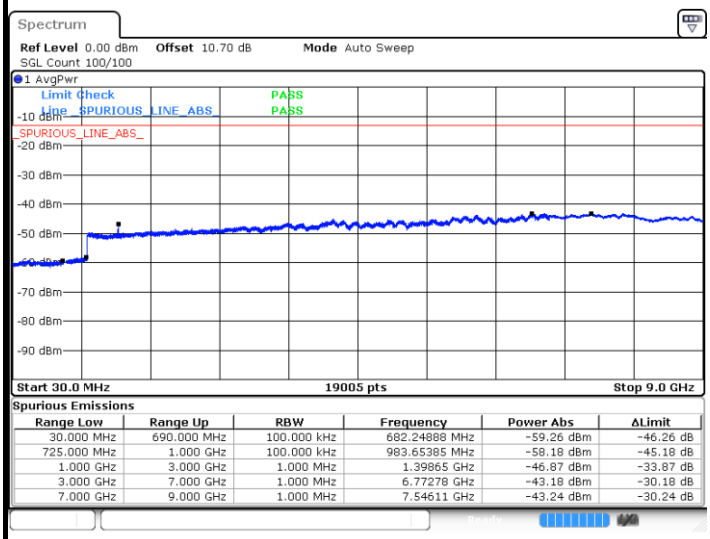
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	228.06597 MHz	-59.17 dBm	-46.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.46703 MHz	-58.07 dBm	-45.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94826 GHz	-47.62 dBm	-34.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78078 GHz	-43.27 dBm	-30.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.21 dBm	-30.21 dB

Date: 16.DEC.2019 10:47:55

LTE Band 12 / 3MHz

Lowest Channel / QPSK

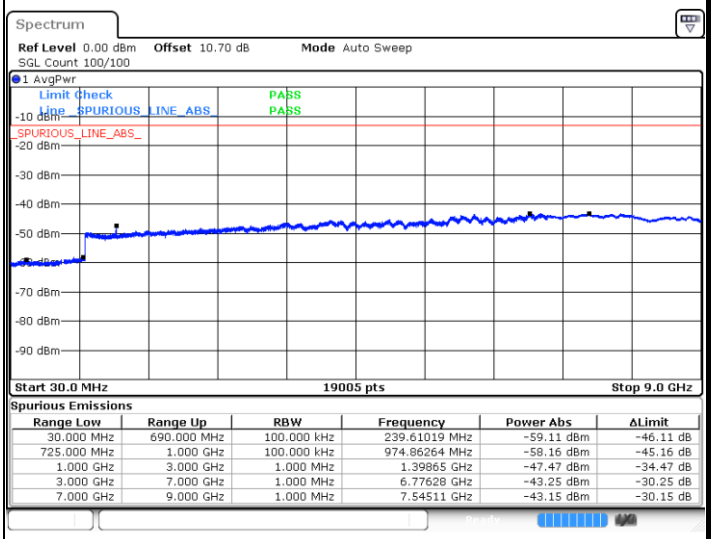


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.24888 MHz	-59.26 dBm	-46.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.65385 MHz	-58.18 dBm	-45.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.87 dBm	-33.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77278 GHz	-43.18 dBm	-30.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54611 GHz	-43.24 dBm	-30.24 dB

Date: 16.DEC.2019 10:53:28

Lowest Channel / 16QAM



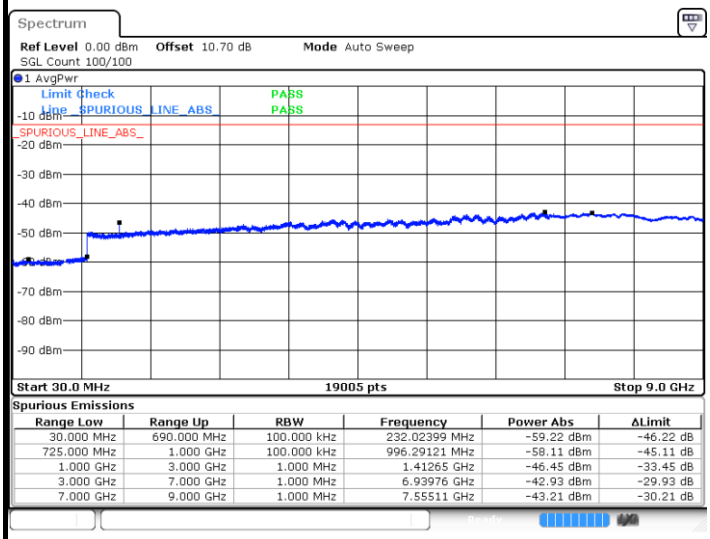
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.61019 MHz	-59.11 dBm	-46.11 dB
725.000 MHz	1.000 GHz	100.000 kHz	974.86264 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.47 dBm	-34.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77628 GHz	-43.25 dBm	-30.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54511 GHz	-43.15 dBm	-30.15 dB

Date: 16.DEC.2019 10:54:09

LTE Band 12 / 3MHz

Middle Channel / QPSK

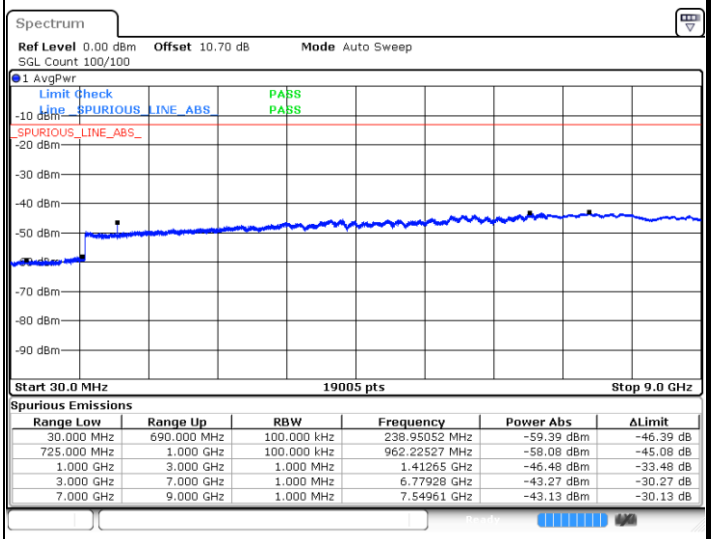


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.02399 MHz	-59.22 dBm	-46.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-58.11 dBm	-45.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.45 dBm	-33.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93976 GHz	-42.93 dBm	-29.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.21 dBm	-30.21 dB

Date: 16.DEC.2019 10:56:16

Middle Channel / 16QAM

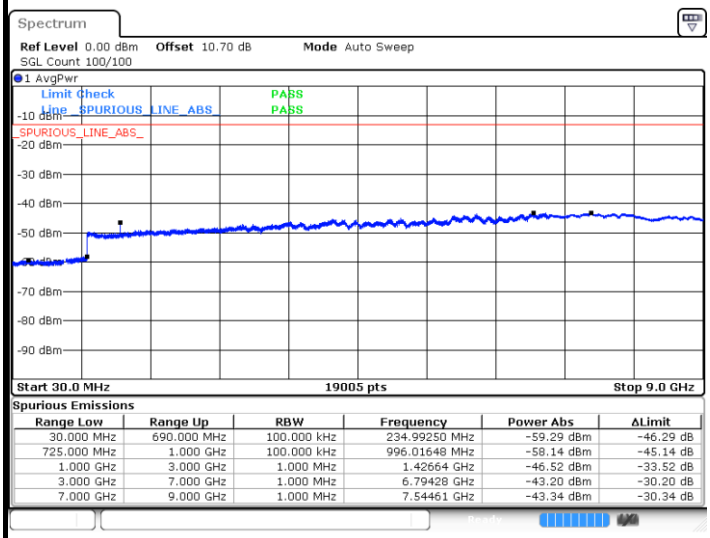


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.95052 MHz	-59.39 dBm	-46.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	962.22527 MHz	-58.08 dBm	-45.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-46.48 dBm	-33.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77928 GHz	-43.27 dBm	-30.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.13 dBm	-30.13 dB

Date: 16.DEC.2019 10:55:36

Highest Channel / QPSK

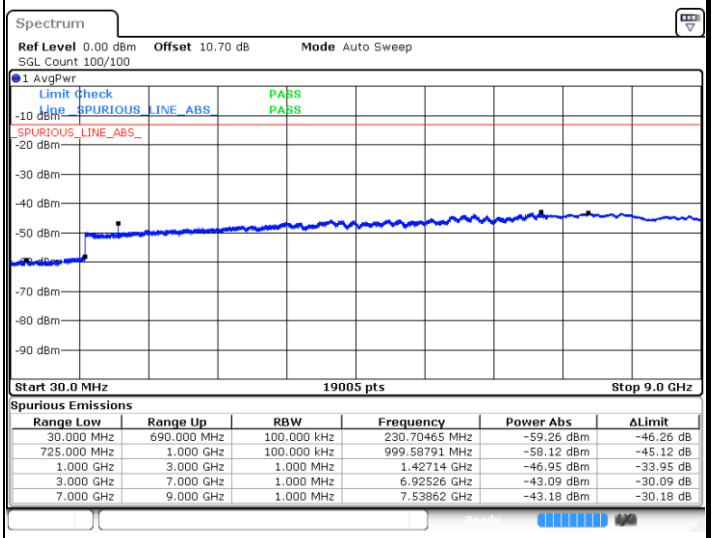


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.99250 MHz	-59.29 dBm	-46.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.01648 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.52 dBm	-33.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-43.20 dBm	-30.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.34 dBm	-30.34 dB

Date: 16.DEC.2019 11:01:49

Highest Channel / 16QAM



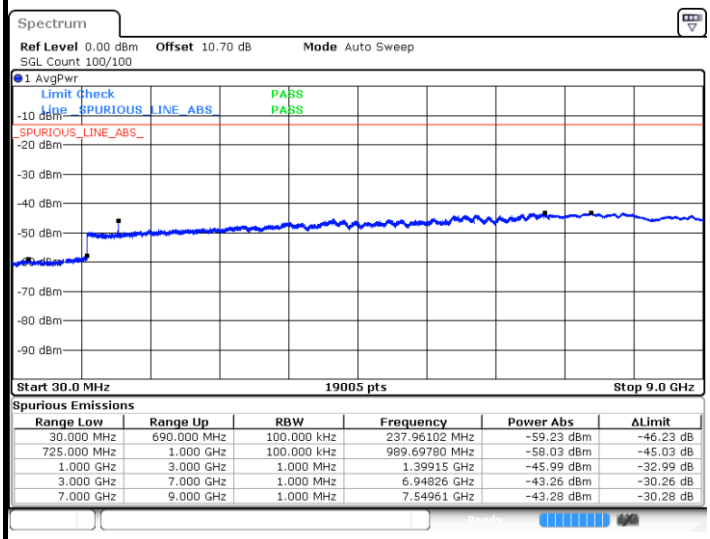
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.70465 MHz	-59.26 dBm	-46.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-58.12 dBm	-45.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-46.95 dBm	-33.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92526 GHz	-43.09 dBm	-30.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53862 GHz	-43.18 dBm	-30.18 dB

Date: 16.DEC.2019 11:02:30

LTE Band 12 / 5MHz

Lowest Channel / QPSK

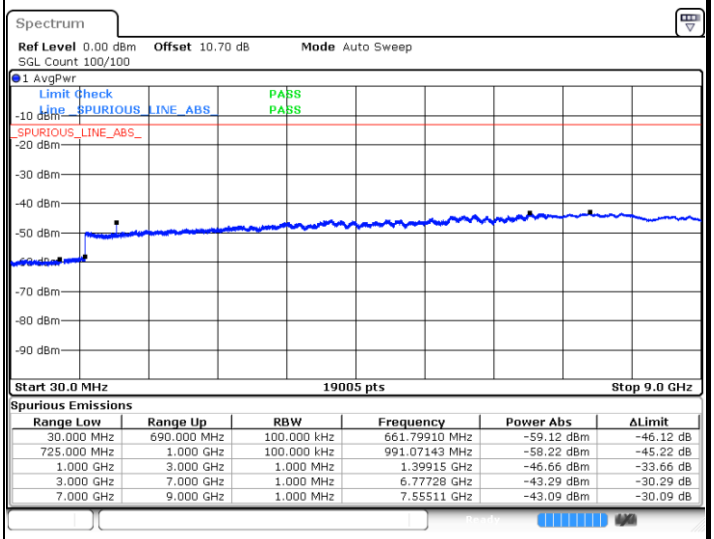


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	237.96102 MHz	-59.23 dBm	-46.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.69780 MHz	-58.03 dBm	-45.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.99 dBm	-32.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94826 GHz	-43.26 dBm	-30.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54951 GHz	-43.28 dBm	-30.28 dB

Date: 16.DEC.2019 11:08:04

Lowest Channel / 16QAM

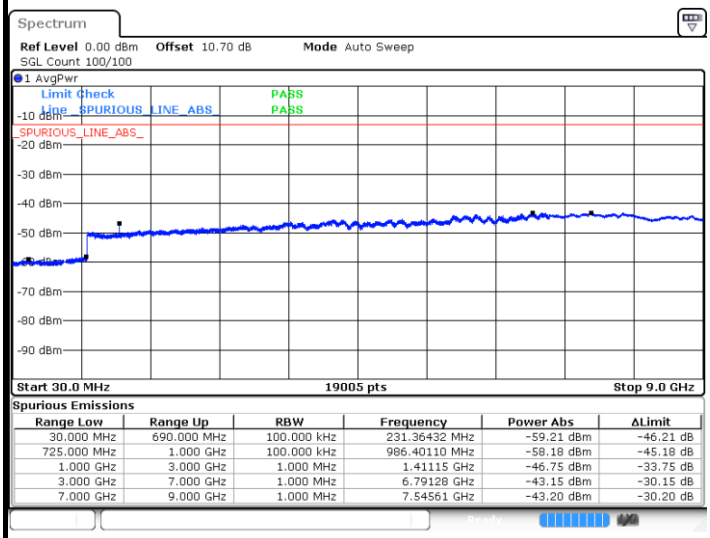


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.79910 MHz	-59.12 dBm	-46.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.07143 MHz	-58.22 dBm	-45.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.66 dBm	-33.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77728 GHz	-43.29 dBm	-30.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.09 dBm	-30.09 dB

Date: 16.DEC.2019 11:08:45

Middle Channel / QPSK

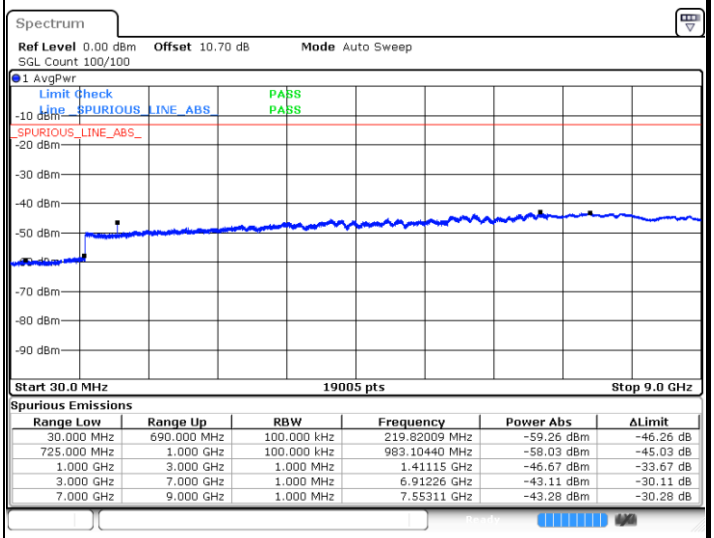


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.36432 MHz	-59.21 dBm	-46.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.40110 MHz	-58.18 dBm	-45.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.75 dBm	-33.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-43.20 dBm	-30.20 dB

Date: 16.DEC.2019 11:16:19

Middle Channel / 16QAM



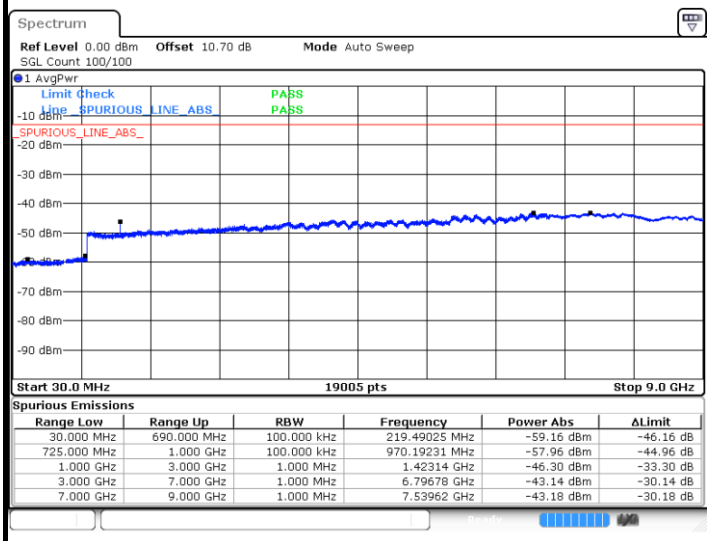
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	219.82009 MHz	-59.26 dBm	-46.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.10440 MHz	-58.03 dBm	-45.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.67 dBm	-33.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91226 GHz	-43.11 dBm	-30.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.28 dBm	-30.28 dB

Date: 16.DEC.2019 11:15:39

LTE Band 12 / 5MHz

Highest Channel / QPSK

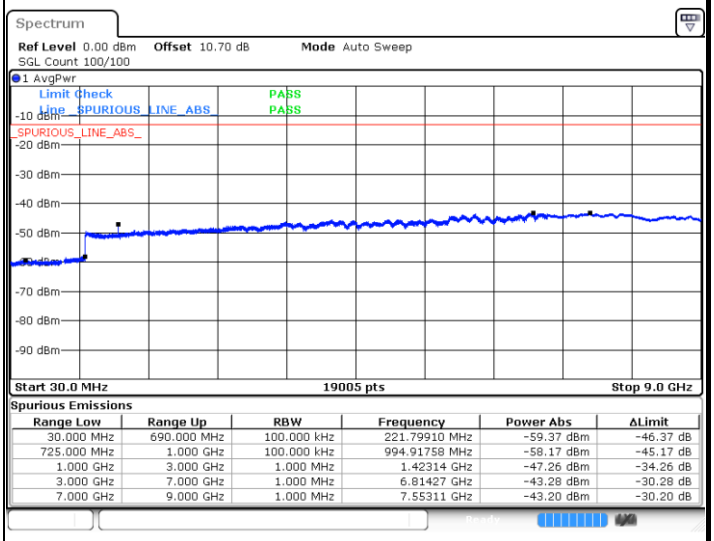


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	219.49025 MHz	-59.16 dBm	-46.16 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.19231 MHz	-57.96 dBm	-44.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79678 GHz	-43.14 dBm	-30.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53962 GHz	-43.18 dBm	-30.18 dB

Date: 16.DEC.2019 11:22:33

Highest Channel / 16QAM



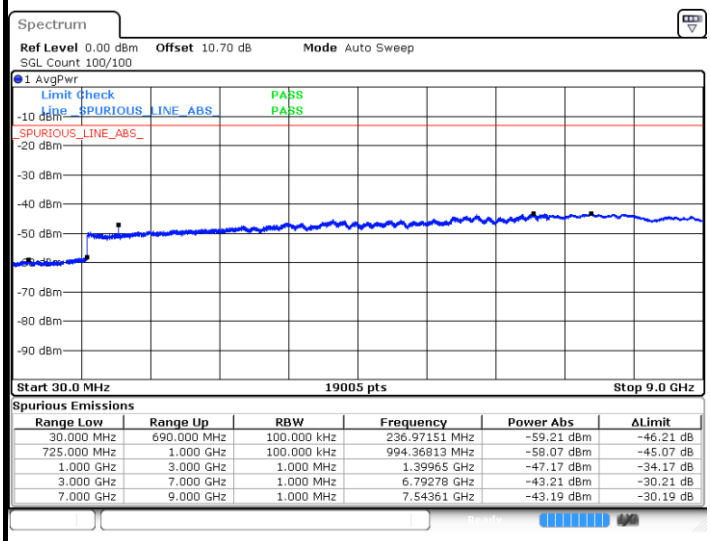
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	221.79910 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.91758 MHz	-58.17 dBm	-45.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-47.26 dBm	-34.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81427 GHz	-43.28 dBm	-30.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.20 dBm	-30.20 dB

Date: 16.DEC.2019 11:21:52

LTE Band 12 / 10MHz

Lowest Channel / QPSK

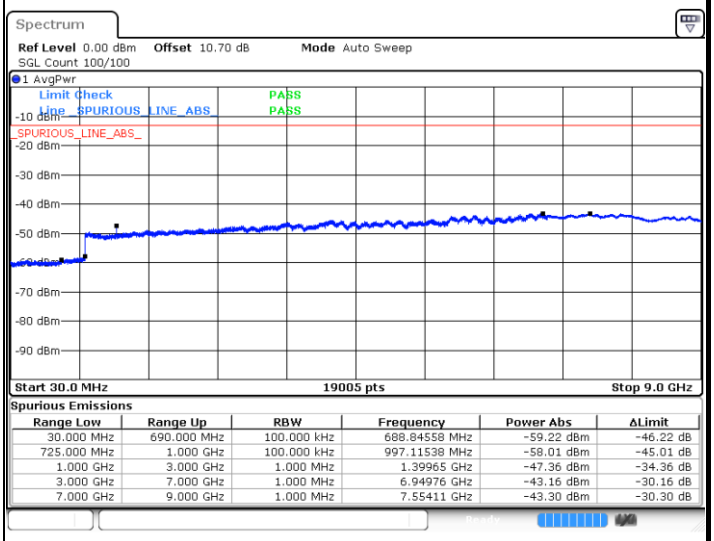


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.97151 MHz	-59.21 dBm	-46.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-58.07 dBm	-45.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.17 dBm	-34.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79278 GHz	-43.21 dBm	-30.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54361 GHz	-43.19 dBm	-30.19 dB

Date: 16.DEC.2019 11:28:05

Lowest Channel / 16QAM



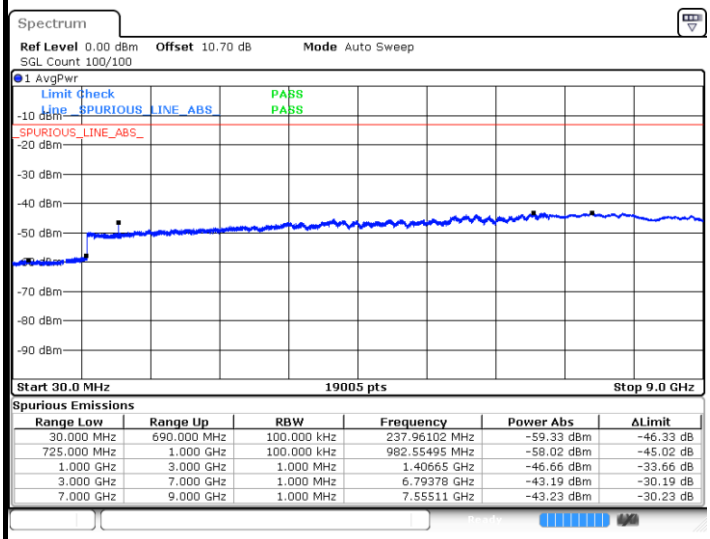
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.22 dBm	-46.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.11538 MHz	-58.01 dBm	-45.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.36 dBm	-34.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94976 GHz	-43.16 dBm	-30.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55411 GHz	-43.30 dBm	-30.30 dB

Date: 16.DEC.2019 11:28:46

LTE Band 12 / 10MHz

Middle Channel / QPSK

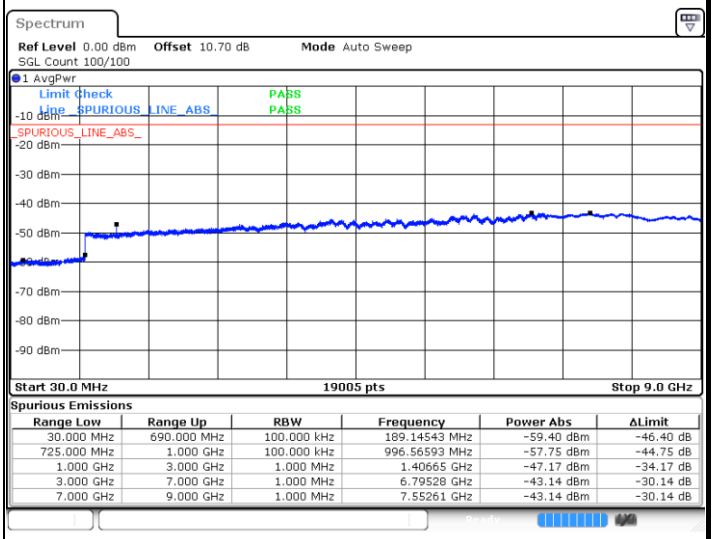


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	237.96102 MHz	-59.33 dBm	-46.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	982.55495 MHz	-58.02 dBm	-45.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.66 dBm	-33.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79378 GHz	-43.19 dBm	-30.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.23 dBm	-30.23 dB

Date: 16.DEC.2019 11:30:53

Middle Channel / 16QAM

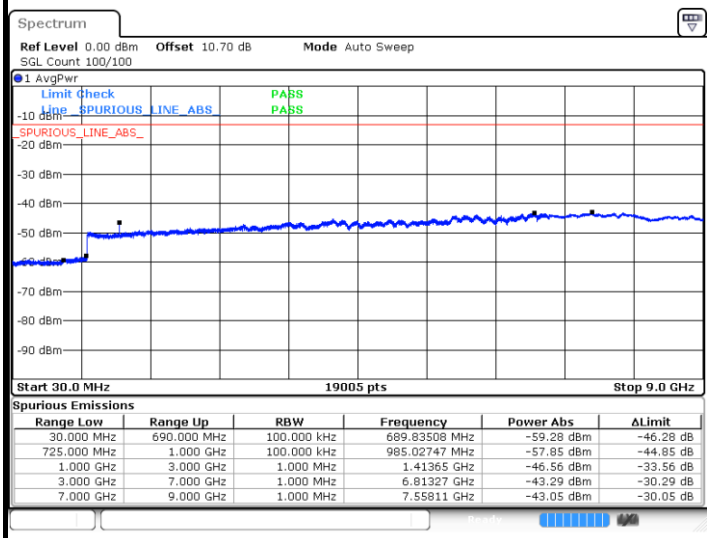


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	189.14543 MHz	-59.40 dBm	-46.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.56593 MHz	-57.75 dBm	-44.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-47.17 dBm	-34.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79528 GHz	-43.14 dBm	-30.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.14 dBm	-30.14 dB

Date: 16.DEC.2019 11:30:13

Highest Channel / QPSK

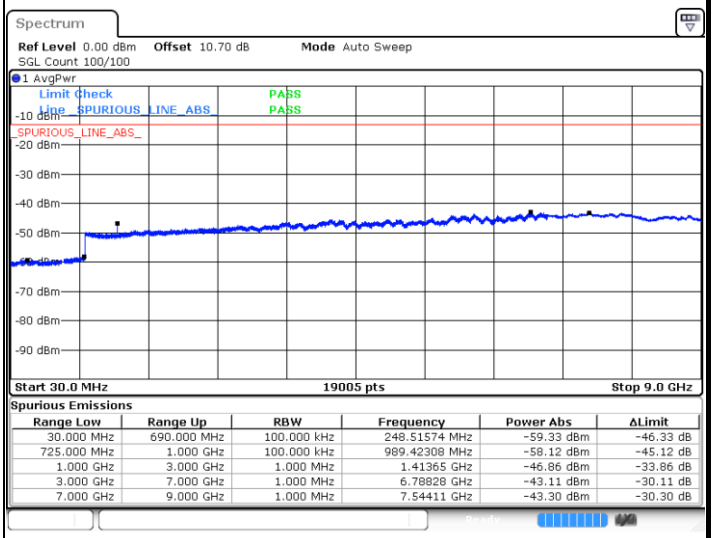


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.28 dBm	-46.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	985.02747 MHz	-57.85 dBm	-44.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81327 GHz	-43.29 dBm	-30.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55811 GHz	-43.05 dBm	-30.05 dB

Date: 16.DEC.2019 11:36:25

Highest Channel / 16QAM



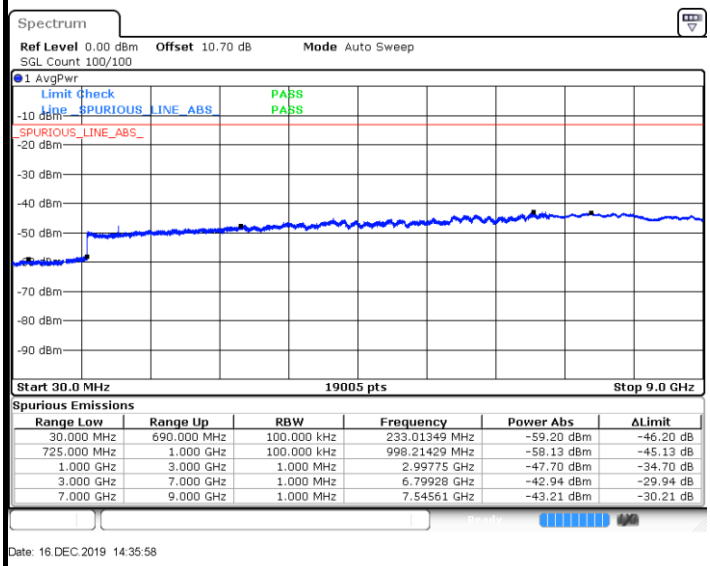
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	248.51574 MHz	-59.33 dBm	-46.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.42308 MHz	-58.12 dBm	-45.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78828 GHz	-43.11 dBm	-30.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-43.30 dBm	-30.30 dB

Date: 16.DEC.2019 11:37:06

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

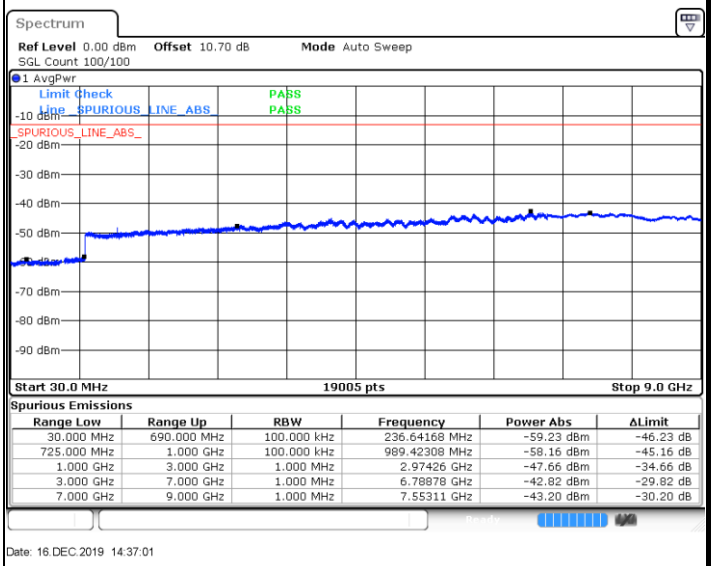


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-59.20 dBm	-46.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.13 dBm	-45.13 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99775 GHz	-47.70 dBm	-34.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79928 GHz	-42.94 dBm	-29.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-43.21 dBm	-30.21 dB

Date: 16.DEC.2019 14:35:58

Middle Channel / 64QAM

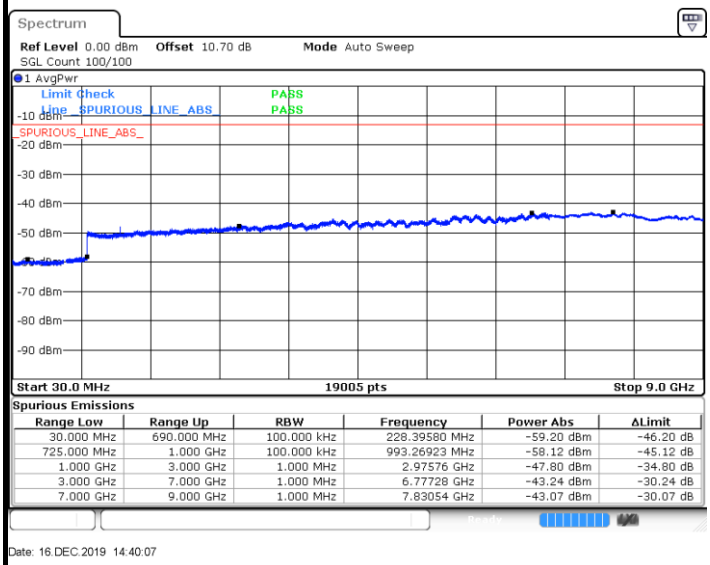


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.64168 MHz	-59.23 dBm	-46.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.42308 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97426 GHz	-47.66 dBm	-34.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78878 GHz	-42.82 dBm	-29.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.20 dBm	-30.20 dB

Date: 16.DEC.2019 14:37:01

Highest Channel / 64QAM



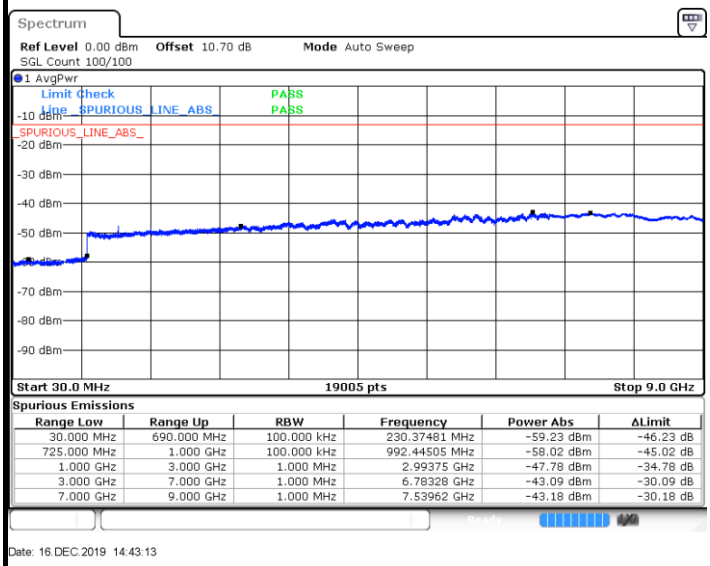
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	228.39580 MHz	-59.20 dBm	-46.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.26923 MHz	-58.12 dBm	-45.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97576 GHz	-47.80 dBm	-34.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77728 GHz	-43.24 dBm	-30.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83054 GHz	-43.07 dBm	-30.07 dB

Date: 16.DEC.2019 14:40:07

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

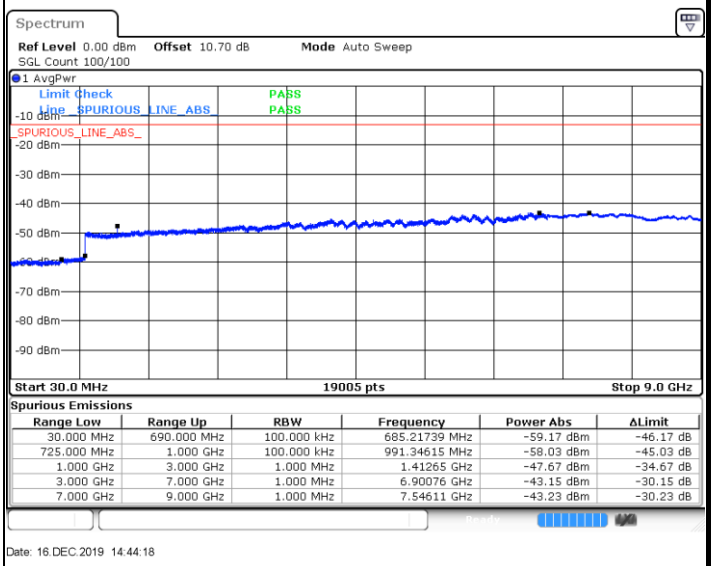


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.37481 MHz	-59.23 dBm	-46.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.44505 MHz	-58.02 dBm	-45.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-47.78 dBm	-34.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78328 GHz	-43.09 dBm	-30.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53962 GHz	-43.18 dBm	-30.18 dB

Date: 16.DEC.2019 14:43:13

Middle Channel / 64QAM

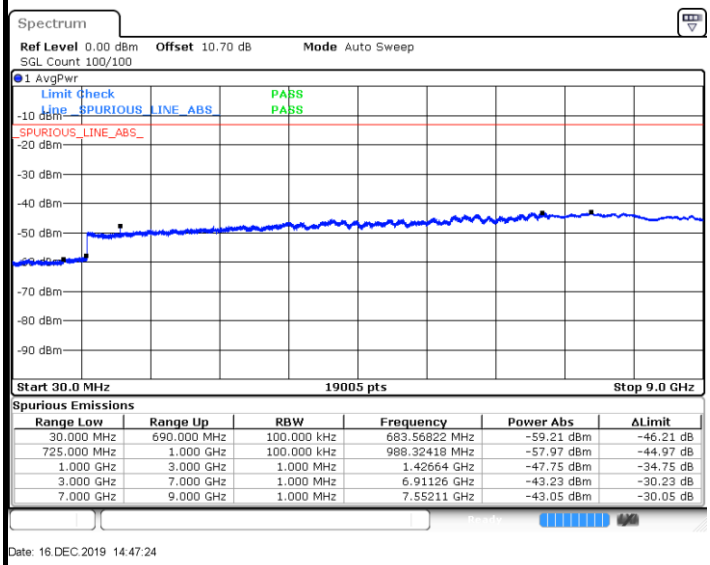


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.21739 MHz	-59.17 dBm	-46.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.34615 MHz	-58.03 dBm	-45.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90076 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54611 GHz	-43.23 dBm	-30.23 dB

Date: 16.DEC.2019 14:44:18

Highest Channel / 64QAM



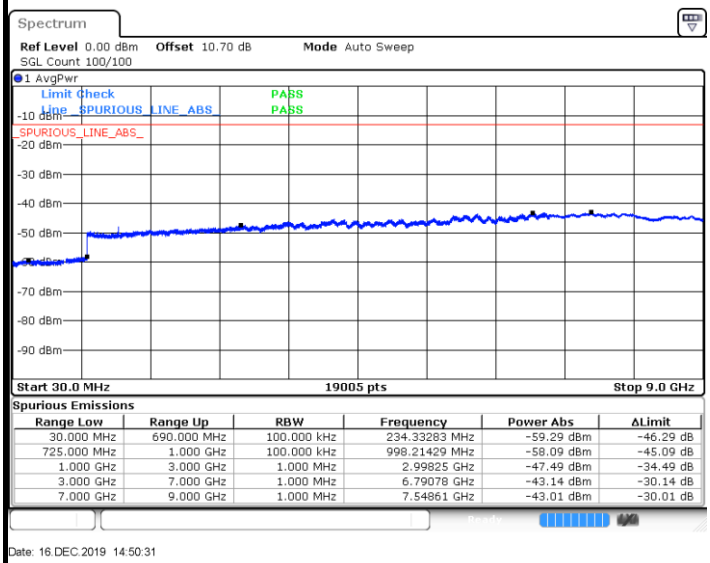
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.56822 MHz	-59.21 dBm	-46.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.32418 MHz	-57.97 dBm	-44.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91126 GHz	-43.23 dBm	-30.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.05 dBm	-30.05 dB

Date: 16.DEC.2019 14:47:24

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

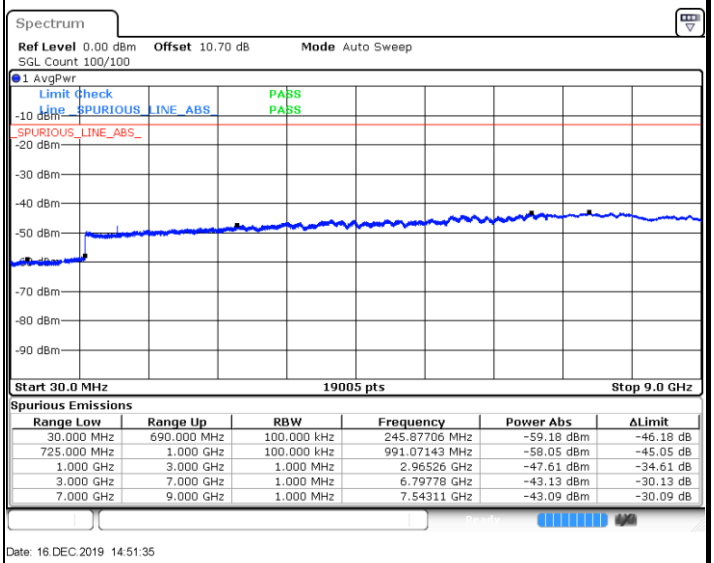


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.33283 MHz	-59.29 dBm	-46.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.09 dBm	-45.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99825 GHz	-47.49 dBm	-34.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79078 GHz	-43.14 dBm	-30.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-43.01 dBm	-30.01 dB

Date: 16.DEC.2019 14:50:31

Middle Channel / 64QAM

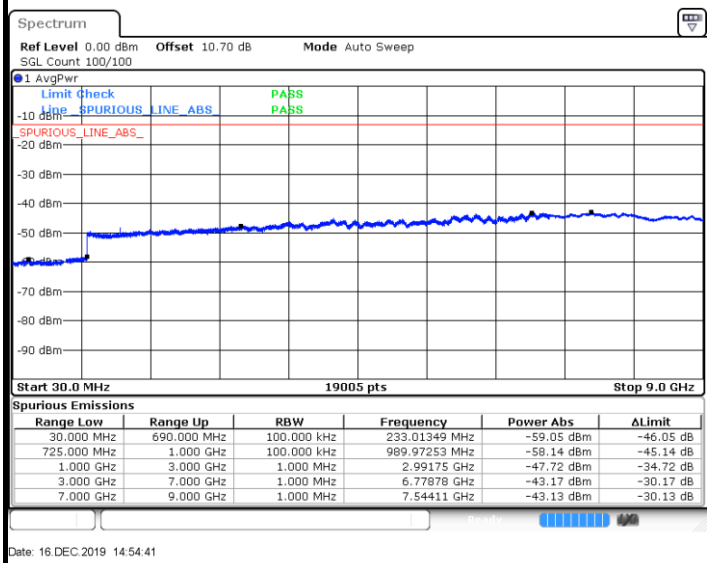


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	245.87706 MHz	-59.18 dBm	-46.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.07143 MHz	-58.05 dBm	-45.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96526 GHz	-47.61 dBm	-34.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-43.13 dBm	-30.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54311 GHz	-43.09 dBm	-30.09 dB

Date: 16.DEC.2019 14:51:35

Highest Channel / 64QAM



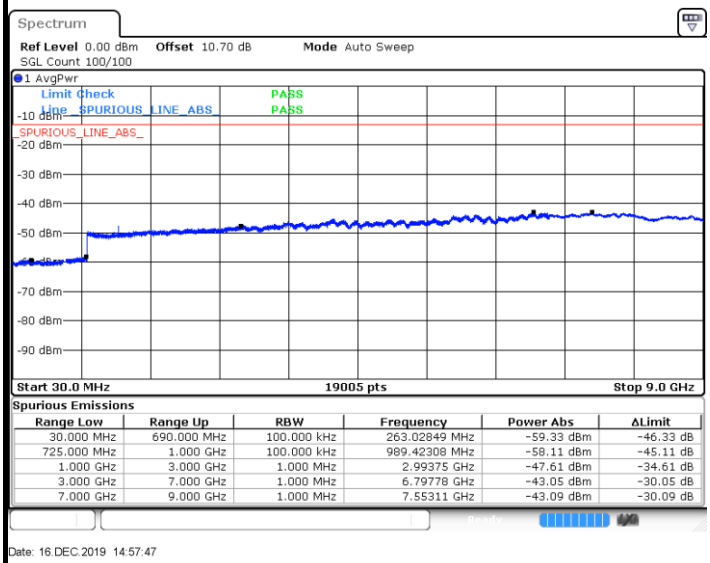
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-59.05 dBm	-46.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.97253 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99175 GHz	-47.72 dBm	-34.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77878 GHz	-43.17 dBm	-30.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-43.13 dBm	-30.13 dB

Date: 16.DEC.2019 14:54:41

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

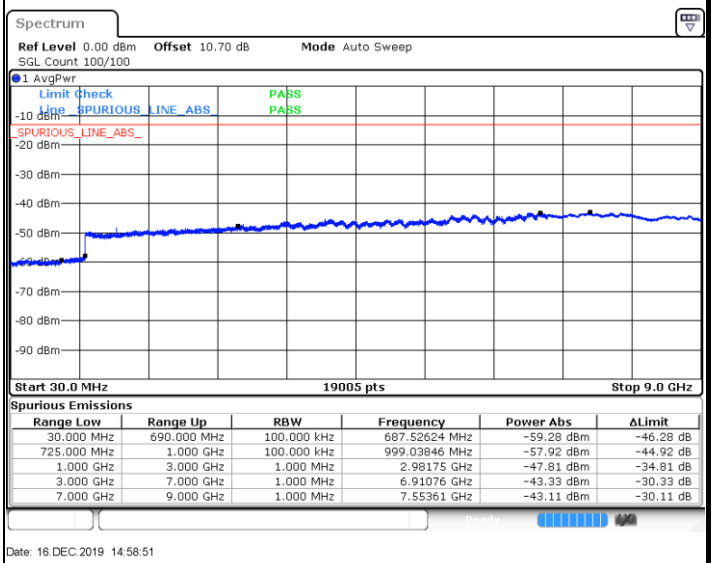


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	263.02849 MHz	-59.33 dBm	-46.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.42308 MHz	-58.11 dBm	-45.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-47.61 dBm	-34.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-43.05 dBm	-30.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.09 dBm	-30.09 dB

Date: 16.DEC.2019 14:57:47

Middle Channel / 64QAM

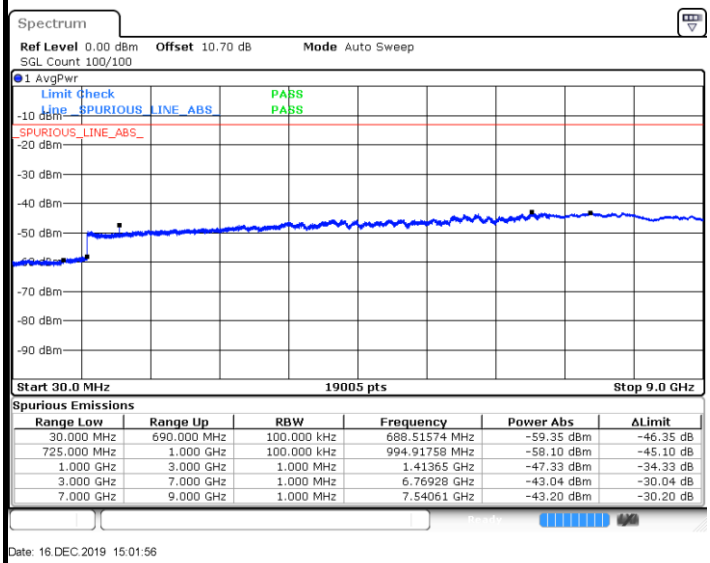


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.52624 MHz	-59.28 dBm	-46.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98175 GHz	-47.81 dBm	-34.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91076 GHz	-43.33 dBm	-30.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55361 GHz	-43.11 dBm	-30.11 dB

Date: 16.DEC.2019 14:58:51

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-59.35 dBm	-46.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.91758 MHz	-58.10 dBm	-45.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.33 dBm	-34.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76928 GHz	-43.04 dBm	-30.04 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54061 GHz	-43.20 dBm	-30.20 dB

Date: 16.DEC.2019 15:01:56

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0099	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0055	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0096	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0035	
-30	Normal Voltage	0.0055	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.65 V.；Maximum Voltage =4.25 V.

2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 5 / 1.4MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	22.54	0.1795	17.00	0.0501
Middle		3	1	22.48	0.1770	16.94	0.0494
Highest		3	1	22.46	0.1762	16.92	0.0492
Lowest	16QAM	1	3	22.03	0.1596	16.49	0.0446
Middle		1	3	21.94	0.1563	16.40	0.0437
Highest		1	3	21.99	0.1581	16.45	0.0442
Lowest	64QAM	1	3	20.89	0.1227	15.35	0.0343
Middle		1	3	20.84	0.1213	15.30	0.0339
Highest		1	3	20.91	0.1233	15.37	0.0344
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.54	0.1795	17.00	0.0501
Middle		1	0	22.50	0.1778	16.96	0.0497
Highest		1	0	22.53	0.1791	16.99	0.0500
Lowest	16QAM	1	0	22.02	0.1592	16.48	0.0445
Middle		1	0	21.91	0.1552	16.37	0.0434
Highest		1	0	22.01	0.1589	16.47	0.0444
Lowest	64QAM	1	0	20.92	0.1236	15.38	0.0345
Middle		1	0	20.83	0.1211	15.29	0.0338
Highest		1	0	20.96	0.1247	15.42	0.0348
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.54	0.1795	17.00	0.0501
Middle		1	12	22.47	0.1766	16.93	0.0493
Highest		1	12	22.48	0.1770	16.94	0.0494
Lowest	16QAM	1	0	22.02	0.1592	16.48	0.0445
Middle		1	0	21.89	0.1545	16.35	0.0432
Highest		1	0	22.08	0.1614	16.54	0.0451
Lowest	64QAM	1	0	20.95	0.1245	15.41	0.0348
Middle		1	0	20.84	0.1213	15.30	0.0339
Highest		1	0	20.98	0.1253	15.44	0.0350
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.55	0.1799	17.01	0.0502
Middle		1	0	22.51	0.1782	16.97	0.0498
Highest		1	0	22.54	0.1795	17.00	0.0501
Lowest	16QAM	1	25	21.99	0.1581	16.45	0.0442
Middle		1	25	21.99	0.1581	16.45	0.0442
Highest		1	25	22.10	0.1622	16.56	0.0453
Lowest	64QAM	1	25	20.84	0.1213	15.30	0.0339
Middle		1	25	20.86	0.1219	15.32	0.0340
Highest		1	25	21.00	0.1259	15.46	0.0352
Limit	ERP < 7W			Result		PASS	

LTE Band 12 / 1.4MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.43	0.1750	16.71	0.0469
Middle		1	3	22.45	0.1758	16.73	0.0471
Highest		1	3	22.48	0.1770	16.76	0.0474
Lowest	16QAM	1	3	21.88	0.1542	16.16	0.0413
Middle		1	3	21.86	0.1535	16.14	0.0411
Highest		1	3	21.98	0.1578	16.26	0.0423
Lowest	64QAM	1	3	20.86	0.1219	15.14	0.0327
Middle		1	3	20.76	0.1191	15.04	0.0319
Highest		1	3	20.90	0.1230	15.18	0.0330
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	22.45	0.1758	16.73	0.0471
Middle		1	14	22.47	0.1766	16.75	0.0473
Highest		1	14	22.50	0.1778	16.78	0.0476
Lowest	16QAM	1	0	21.90	0.1549	16.18	0.0415
Middle		1	0	21.84	0.1528	16.12	0.0409
Highest		1	0	21.99	0.1581	16.27	0.0424
Lowest	64QAM	1	0	20.78	0.1197	15.06	0.0321
Middle		1	0	20.78	0.1197	15.06	0.0321
Highest		1	0	20.89	0.1227	15.17	0.0329
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.44	0.1754	16.72	0.0470
Middle		1	12	22.47	0.1766	16.75	0.0473
Highest		1	12	22.52	0.1786	16.80	0.0479
Lowest	16QAM	1	12	21.90	0.1549	16.18	0.0415
Middle		1	12	21.86	0.1535	16.14	0.0411
Highest		1	12	22.02	0.1592	16.30	0.0427
Lowest	64QAM	1	12	20.80	0.1202	15.08	0.0322
Middle		1	12	20.80	0.1202	15.08	0.0322
Highest		1	12	20.89	0.1227	15.17	0.0329
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.55	0.1799	16.83	0.0482
Middle		1	49	22.54	0.1795	16.82	0.0481
Highest		1	49	22.53	0.1791	16.81	0.0480
Lowest	16QAM	1	49	21.90	0.1549	16.18	0.0415
Middle		1	49	22.03	0.1596	16.31	0.0428
Highest		1	49	22.00	0.1585	16.28	0.0425
Lowest	64QAM	1	49	20.86	0.1219	15.14	0.0327
Middle		1	49	20.97	0.1250	15.25	0.0335
Highest		1	49	20.92	0.1236	15.20	0.0331
Limit	ERP < 3W			Result		PASS	

Radiated Spurious Emission

LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-60.53	-13	-47.53	-70.62	-66.13	0.92	8.67	H
	2473	-56.36	-13	-43.36	-70.67	-63.73	1.14	10.66	H
	3298	-55.24	-13	-42.24	-70.91	-63.78	1.32	12.02	H
									H
									H
									H
	1649	-60.72	-13	-47.72	-70.28	-66.32	0.92	8.67	V
	2473	-55.74	-13	-42.74	-70.2	-63.11	1.14	10.66	V
	3298	-55.00	-13	-42.00	-71.14	-63.54	1.32	12.02	V
									V
									V
									V
Middle	1664	-60.49	-13	-47.49	-70.62	-66.14	0.93	8.72	H
	2496	-56.60	-13	-43.60	-70.9	-64.00	1.15	10.69	H
	3328	-55.42	-13	-42.42	-71.01	-64.03	1.33	12.09	H
									H
									H
									H
	1664	-61.03	-13	-48.03	-70.57	-66.68	0.93	8.72	V
	2496	-55.87	-13	-42.87	-70.38	-63.27	1.15	10.69	V
	3328	-54.75	-13	-41.75	-70.8	-63.36	1.33	12.09	V
									V
									V
									V

Highest	1679	-60.45	-13	-47.45	-70.63	-66.15	0.93	8.78	H
	2518	-56.91	-13	-43.91	-71.2	-64.33	1.15	10.72	H
	3358	-55.66	-13	-42.66	-71.17	-64.33	1.33	12.16	H
									H
									H
									H
									H
	1679	-61.08	-13	-48.08	-70.61	-66.78	0.93	8.78	V
	2518	-56.66	-13	-43.66	-71.12	-64.08	1.15	10.72	V
	3358	-55.04	-13	-42.04	-71	-63.71	1.33	12.16	V
									V
									V
									V
									V

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

LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1416	-59.28	-13	-46.28	-70.50	-64.00	0.85	7.71	H
	2125	-56.13	-13	-43.13	-70.73	-63.09	1.07	10.18	H
	2833	-56.00	-13	-43.00	-70.99	-63.72	1.23	11.10	H
									H
									H
									H
	1416	-60.15	-13	-47.15	-70.16	-64.87	0.85	7.71	V
	2125	-57.42	-13	-44.42	-70.88	-64.38	1.07	10.18	V
	2833	-56.06	-13	-43.06	-71.03	-63.78	1.23	11.10	V
									V
									V
									V
Middle	1423	-59.22	-13	-46.22	-70.40	-63.97	0.85	7.75	H
	2135	-55.86	-13	-42.86	70.62	-62.83	1.07	10.19	H
	2847	-55.66	-13	-42.66	-70.70	-63.39	1.23	11.12	H
									H
									H
									H
	1423	-60.15	-13	-47.15	-70.13	-64.90	0.85	7.75	V
	2135	-57.12	-13	-44.12	-70.73	-64.09	1.07	10.19	V
	2847	-55.67	-13	-42.67	-70.70	-63.40	1.23	11.12	V
									V
									V
									V

Highest	1430	-59.16	-13	-46.16	-70.29	-63.94	0.85	7.78	H
	2146	-56.04	-13	-43.04	-70.97	-63.02	1.07	10.20	H
	2861	-55.63	-13	-42.63	-70.71	-63.38	1.24	11.13	H
									H
									H
									H
									H
	1430	-60.28	-13	-47.28	-70.23	-65.06	0.85	7.78	V
	2146	-56.79	-13	-43.79	-70.55	-63.77	1.07	10.20	V
	2861	-55.52	-13	-42.52	-70.60	-63.27	1.24	11.13	V
									V
									V
									V
									V

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