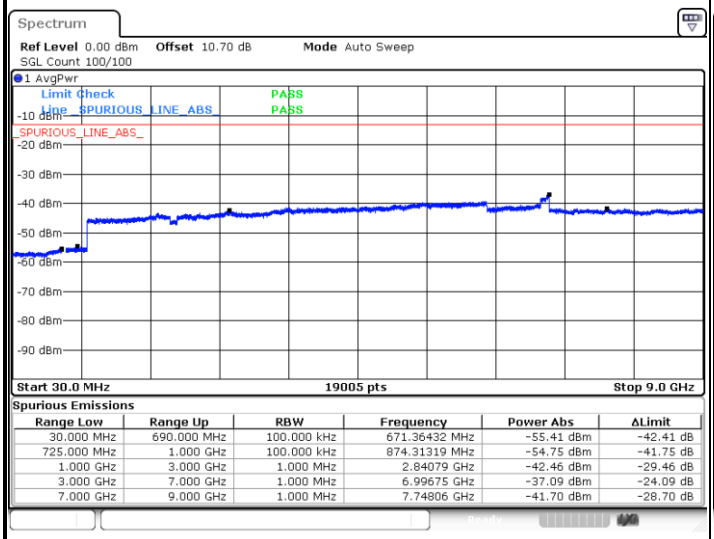
LTE Band 12 / 1.4MHz

Highest Channel / QPSK

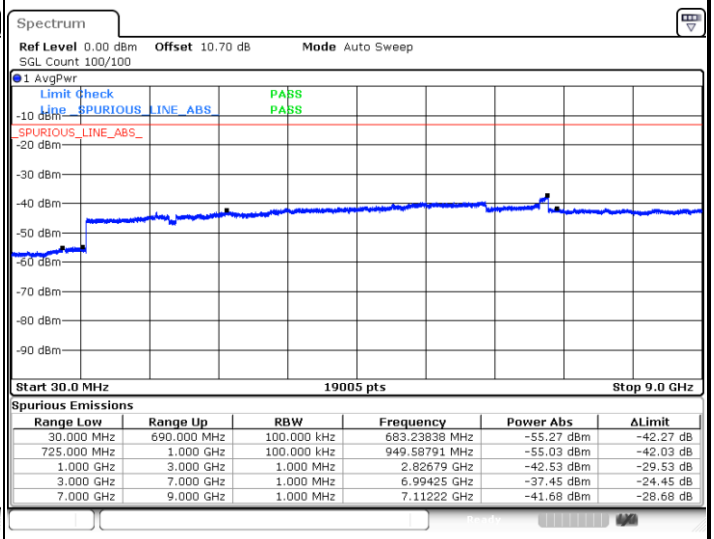


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.36432 MHz	-55.41 dBm	-42.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	874.31319 MHz	-54.75 dBm	-41.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84079 GHz	-42.46 dBm	-29.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-37.09 dBm	-24.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74806 GHz	-41.70 dBm	-28.70 dB

Date: 22.DEC.2019 18:03:55

Highest Channel / 16QAM



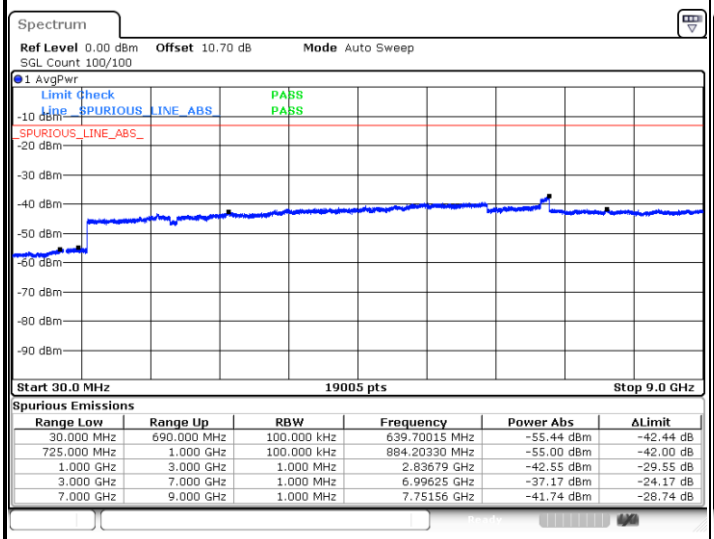
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.23838 MHz	-55.27 dBm	-42.27 dB
725.000 MHz	1.000 GHz	100.000 kHz	949.58791 MHz	-55.03 dBm	-42.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82679 GHz	-42.53 dBm	-29.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-37.45 dBm	-24.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.11222 GHz	-41.68 dBm	-28.68 dB

Date: 22.DEC.2019 18:04:50

LTE Band 12 / 3MHz

Lowest Channel / QPSK

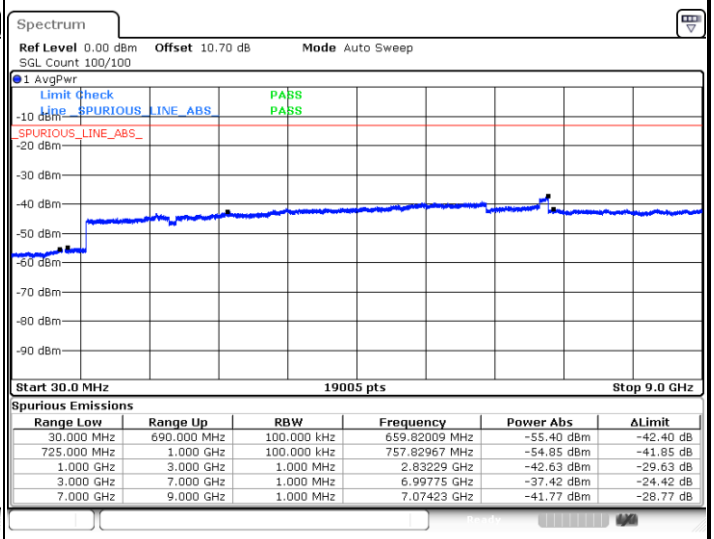


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.70015 MHz	-55.44 dBm	-42.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	884.20330 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83679 GHz	-42.55 dBm	-29.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-37.17 dBm	-24.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75156 GHz	-41.74 dBm	-28.74 dB

Date: 22.DEC.2019 18:17:35

Lowest Channel / 16QAM



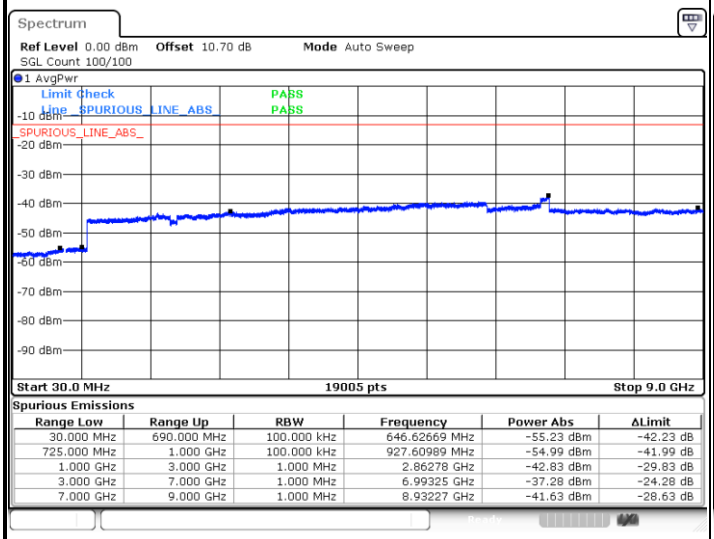
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	659.82009 MHz	-55.40 dBm	-42.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	757.82967 MHz	-54.85 dBm	-41.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83229 GHz	-42.63 dBm	-29.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.42 dBm	-24.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07423 GHz	-41.77 dBm	-28.77 dB

Date: 22.DEC.2019 18:18:30

LTE Band 12 / 3MHz

Middle Channel / QPSK

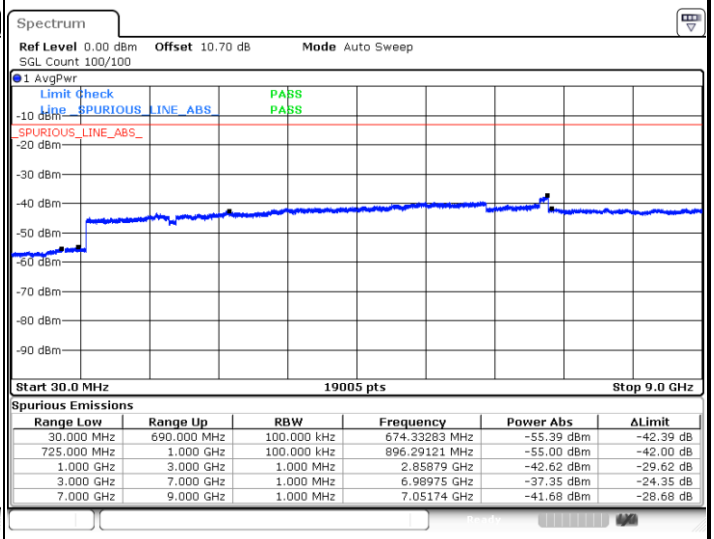


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	646.62669 MHz	-55.23 dBm	-42.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.60989 MHz	-54.99 dBm	-41.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86278 GHz	-42.83 dBm	-29.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93227 GHz	-41.63 dBm	-28.63 dB

Date: 22.DEC.2019 18:20:57

Middle Channel / 16QAM

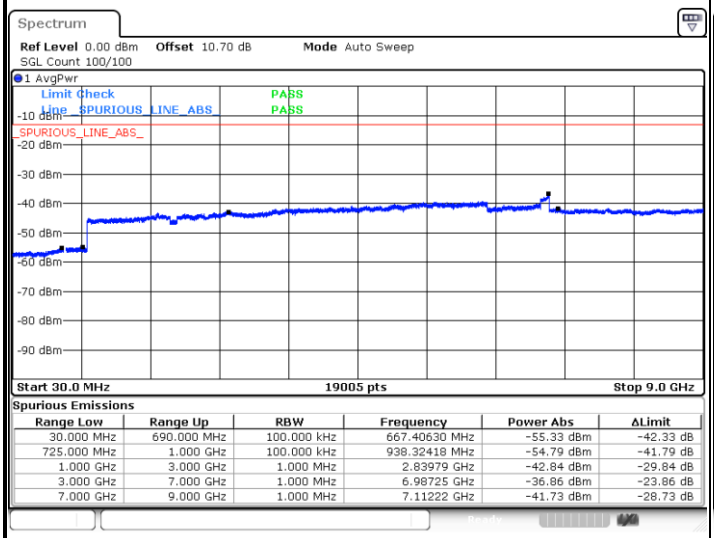


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.33283 MHz	-55.39 dBm	-42.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	896.29121 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85879 GHz	-42.62 dBm	-29.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.35 dBm	-24.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05174 GHz	-41.68 dBm	-28.68 dB

Date: 22.DEC.2019 20:20:16

Highest Channel / QPSK

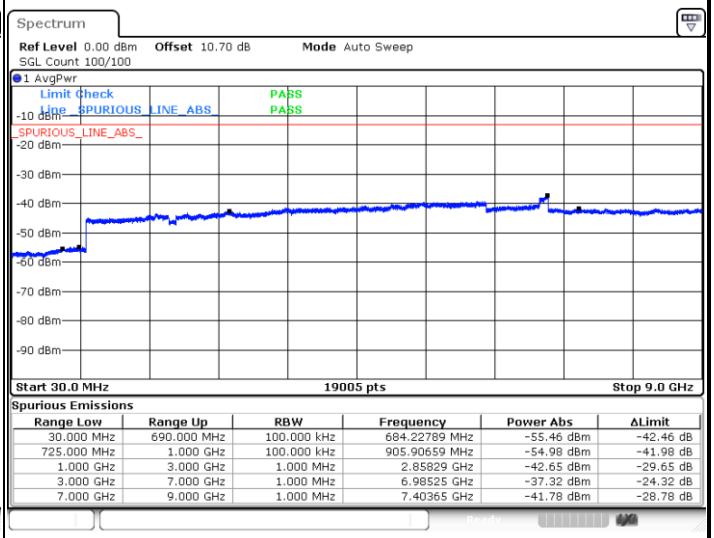


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	667.40630 MHz	-55.33 dBm	-42.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.32418 MHz	-54.79 dBm	-41.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83979 GHz	-42.84 dBm	-29.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-36.86 dBm	-23.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.11222 GHz	-41.73 dBm	-28.73 dB

Date: 22.DEC.2019 18:26:11

Highest Channel / 16QAM



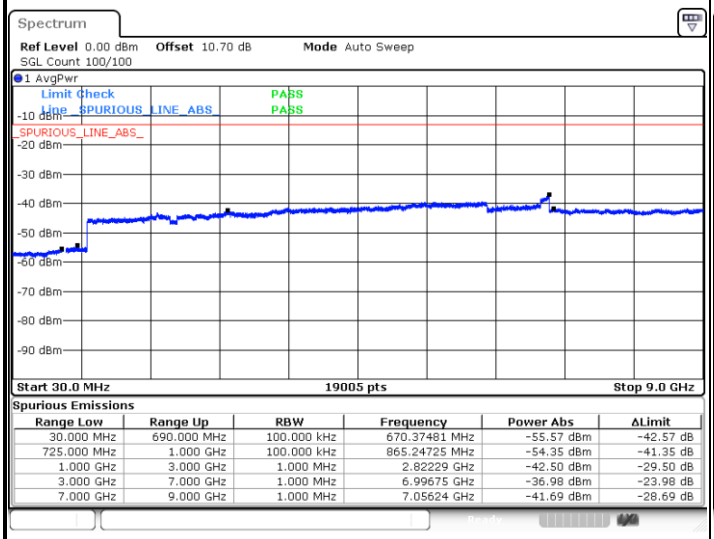
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.22789 MHz	-55.46 dBm	-42.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	905.90659 MHz	-54.98 dBm	-41.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85829 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-37.32 dBm	-24.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.40365 GHz	-41.78 dBm	-28.78 dB

Date: 22.DEC.2019 18:27:06

LTE Band 12 / 5MHz

Lowest Channel / QPSK

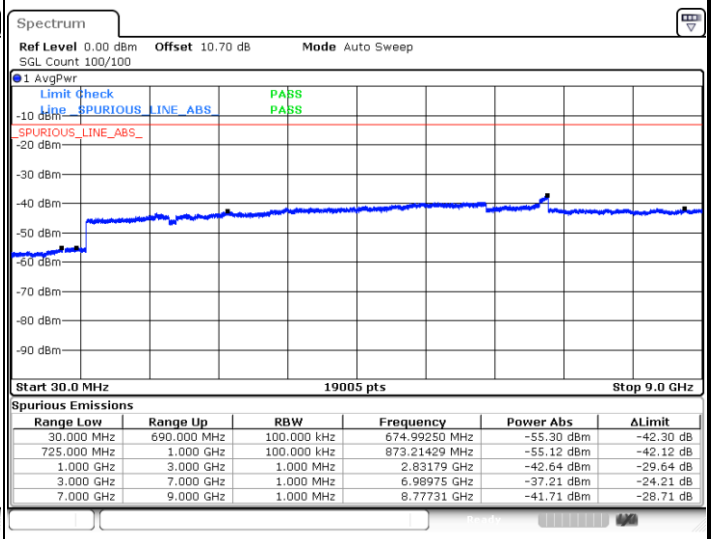


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.37481 MHz	-55.57 dBm	-42.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	865.24725 MHz	-54.35 dBm	-41.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82229 GHz	-42.50 dBm	-29.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-36.98 dBm	-23.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05624 GHz	-41.69 dBm	-28.69 dB

Date: 22.DEC.2019 18:47:20

Lowest Channel / 16QAM

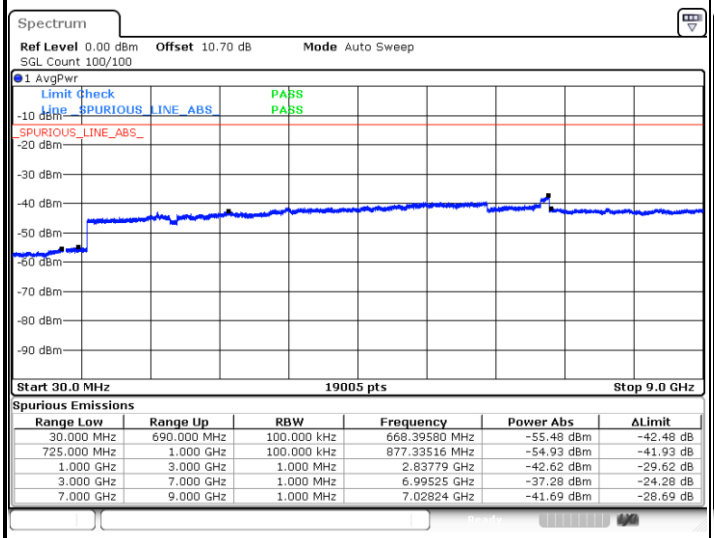


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.99250 MHz	-55.30 dBm	-42.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	873.21429 MHz	-55.12 dBm	-42.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83179 GHz	-42.64 dBm	-29.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77731 GHz	-41.71 dBm	-28.71 dB

Date: 22.DEC.2019 18:48:15

Middle Channel / QPSK

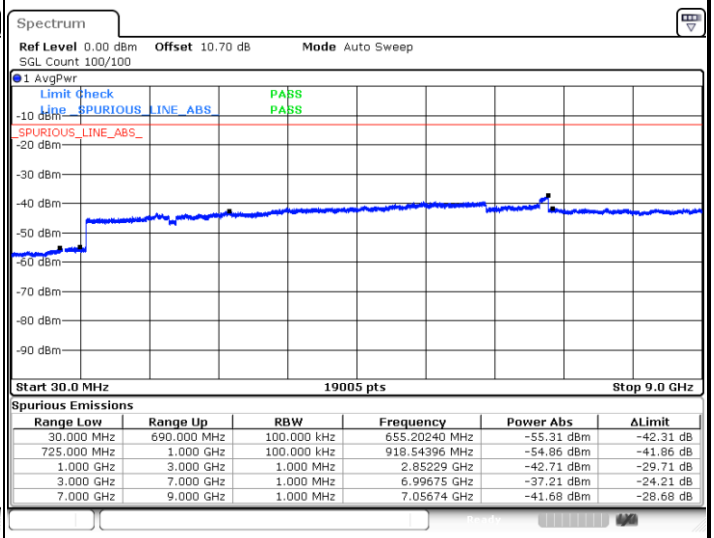


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.39580 MHz	-55.48 dBm	-42.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	877.33516 MHz	-54.93 dBm	-41.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83779 GHz	-42.62 dBm	-29.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02824 GHz	-41.69 dBm	-28.69 dB

Date: 22.DEC.2019 18:50:57

Middle Channel / 16QAM



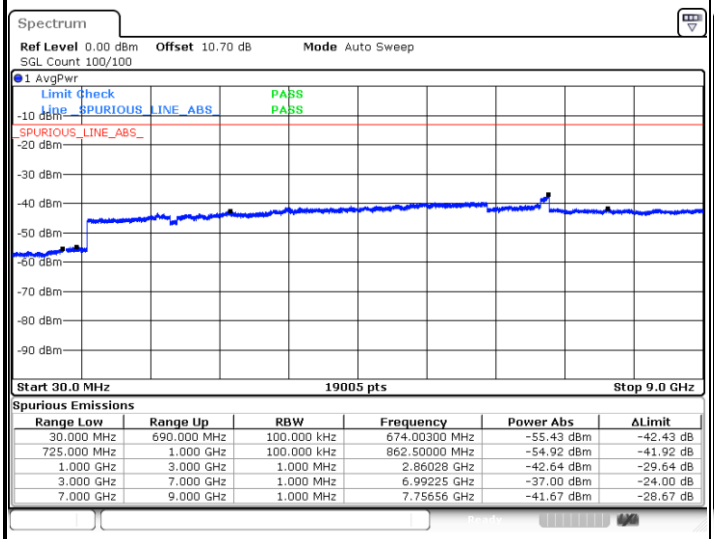
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	655.20240 MHz	-55.31 dBm	-42.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	918.54396 MHz	-54.86 dBm	-41.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85229 GHz	-42.71 dBm	-29.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-37.21 dBm	-24.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05674 GHz	-41.68 dBm	-28.68 dB

Date: 22.DEC.2019 18:50:02

LTE Band 12 / 5MHz

Highest Channel / QPSK

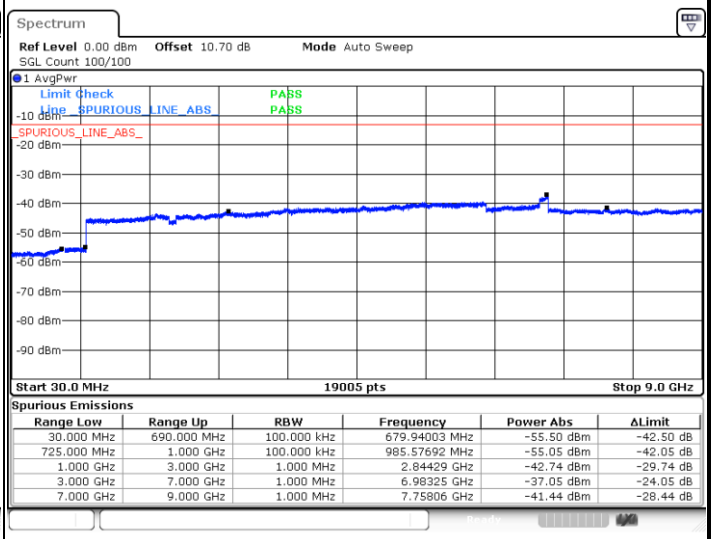


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.00300 MHz	-55.43 dBm	-42.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	862.50000 MHz	-54.92 dBm	-41.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.86028 GHz	-42.64 dBm	-29.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-37.00 dBm	-24.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75656 GHz	-41.67 dBm	-28.67 dB

Date: 22.DEC.2019 18:57:05

Highest Channel / 16QAM



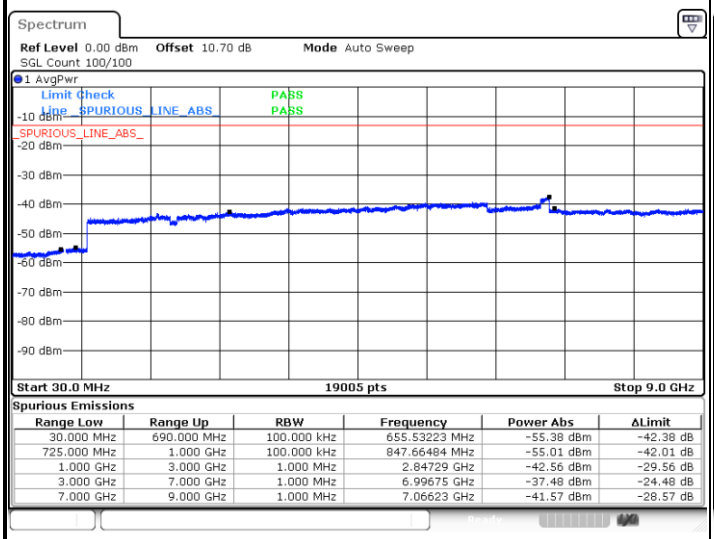
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.94003 MHz	-55.50 dBm	-42.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	985.57692 MHz	-55.05 dBm	-42.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84429 GHz	-42.74 dBm	-29.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-37.05 dBm	-24.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.75806 GHz	-41.44 dBm	-28.44 dB

Date: 22.DEC.2019 18:56:10

LTE Band 12 / 10MHz

Lowest Channel / QPSK

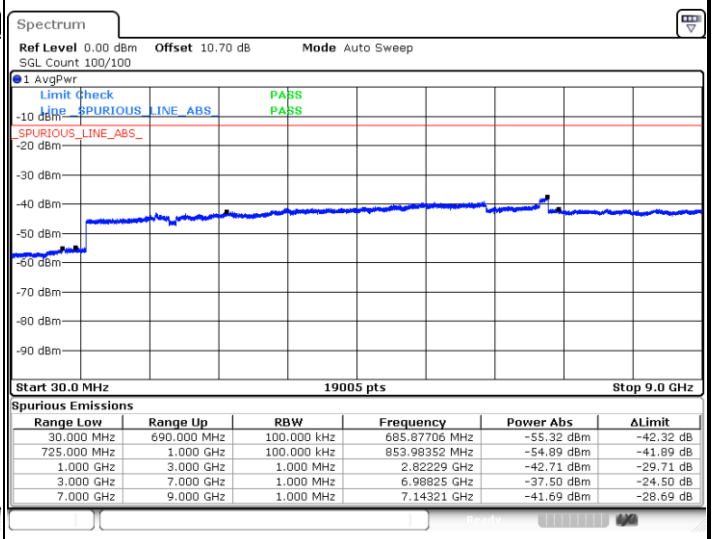


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	655.53223 MHz	-55.38 dBm	-42.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	847.66484 MHz	-55.01 dBm	-42.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84729 GHz	-42.56 dBm	-29.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-37.48 dBm	-24.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06623 GHz	-41.57 dBm	-28.57 dB

Date: 22.DEC.2019 19:02:22

Lowest Channel / 16QAM



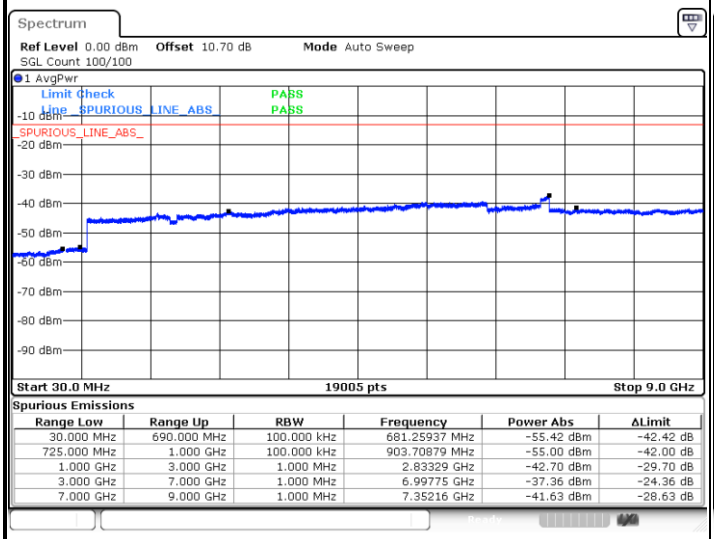
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-55.32 dBm	-42.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	853.98352 MHz	-54.89 dBm	-41.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82229 GHz	-42.71 dBm	-29.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-37.50 dBm	-24.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.14321 GHz	-41.69 dBm	-28.69 dB

Date: 22.DEC.2019 19:03:16

LTE Band 12 / 10MHz

Middle Channel / QPSK

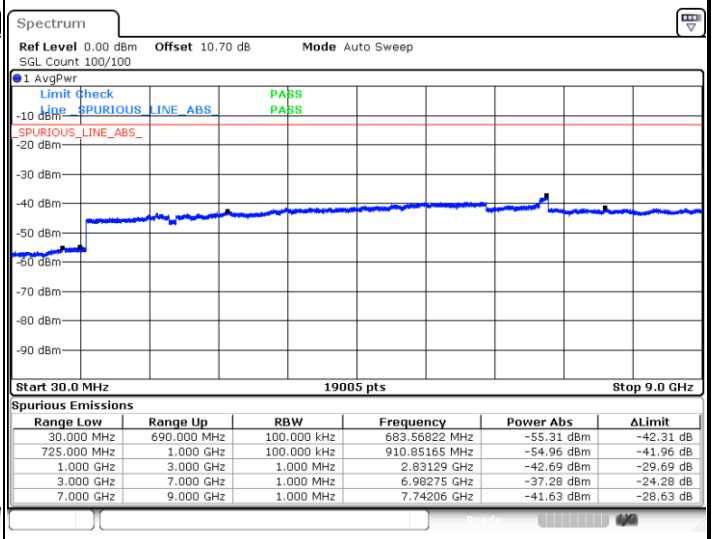


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.25937 MHz	-55.42 dBm	-42.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	903.70879 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83329 GHz	-42.70 dBm	-29.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-37.36 dBm	-24.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.35216 GHz	-41.63 dBm	-28.63 dB

Date: 22.DEC.2019 19:05:58

Middle Channel / 16QAM

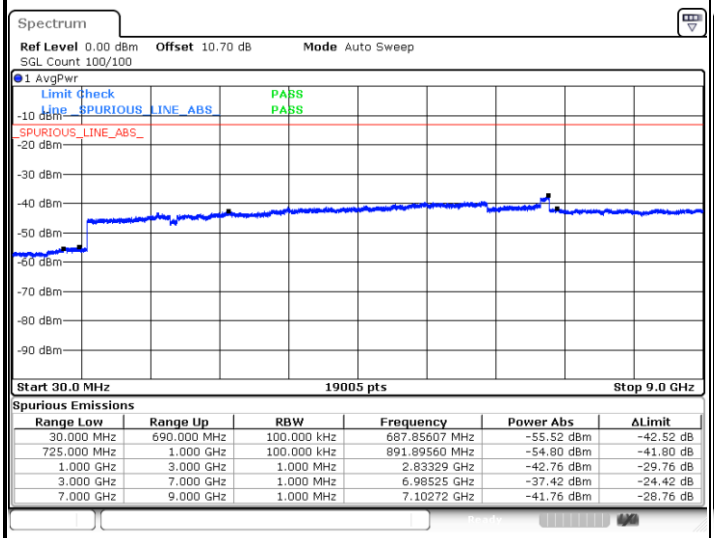


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.56822 MHz	-55.31 dBm	-42.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	910.85165 MHz	-54.96 dBm	-41.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83129 GHz	-42.69 dBm	-29.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98275 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74206 GHz	-41.63 dBm	-28.63 dB

Date: 22.DEC.2019 19:05:04

Highest Channel / QPSK

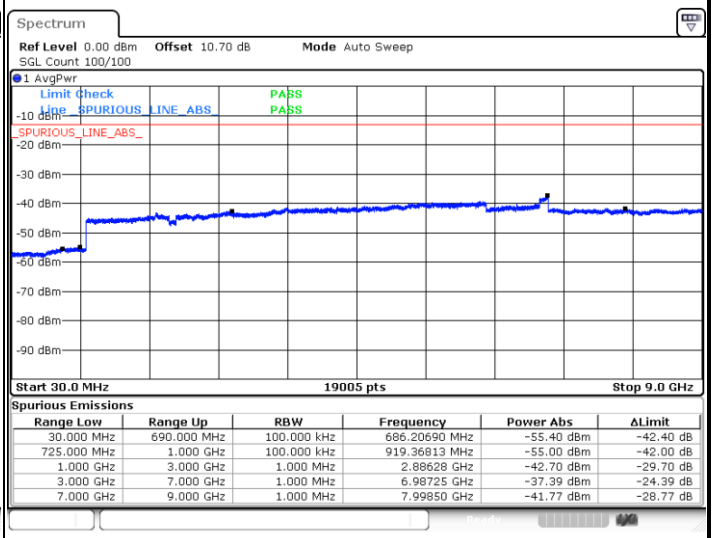


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-55.52 dBm	-42.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	891.89560 MHz	-54.80 dBm	-41.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83329 GHz	-42.76 dBm	-29.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-37.42 dBm	-24.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.10272 GHz	-41.76 dBm	-28.76 dB

Date: 22.DEC.2019 19:11:12

Highest Channel / 16QAM



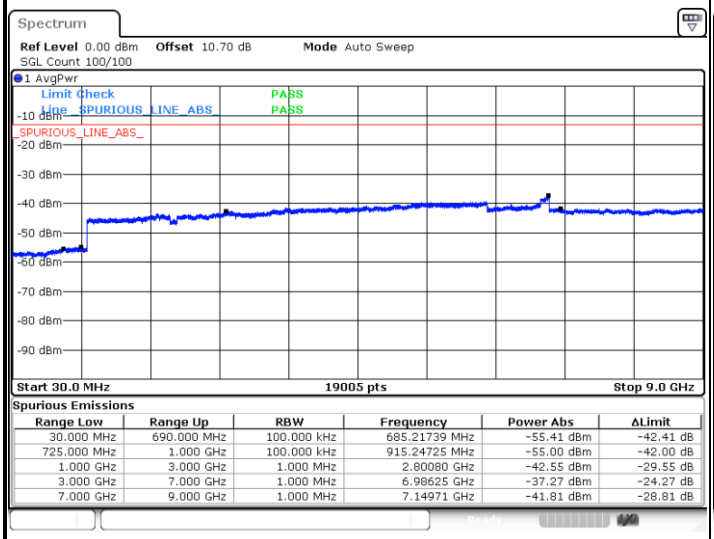
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.20690 MHz	-55.40 dBm	-42.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	919.36813 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.88628 GHz	-42.70 dBm	-29.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-37.39 dBm	-24.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99850 GHz	-41.77 dBm	-28.77 dB

Date: 22.DEC.2019 19:12:07

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

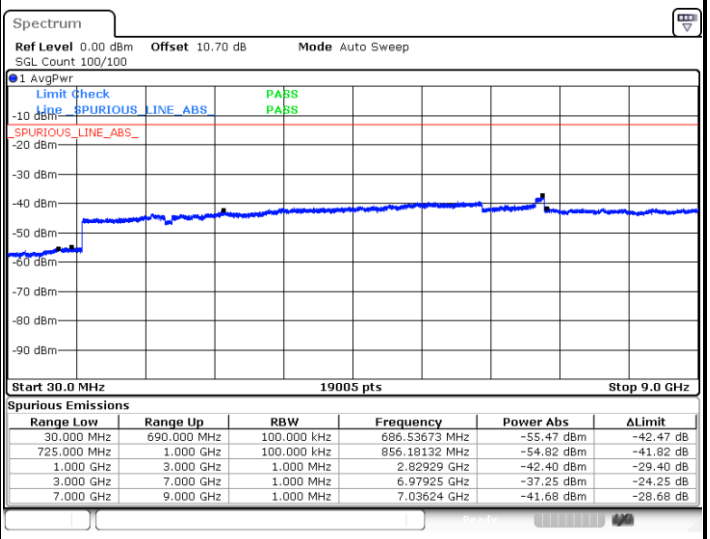


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.21739 MHz	-55.41 dBm	-42.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	915.24725 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80080 GHz	-42.55 dBm	-29.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-37.27 dBm	-24.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.14971 GHz	-41.81 dBm	-28.81 dB

Date: 22.DEC.2019 18:07:55

Middle Channel / 64QAM

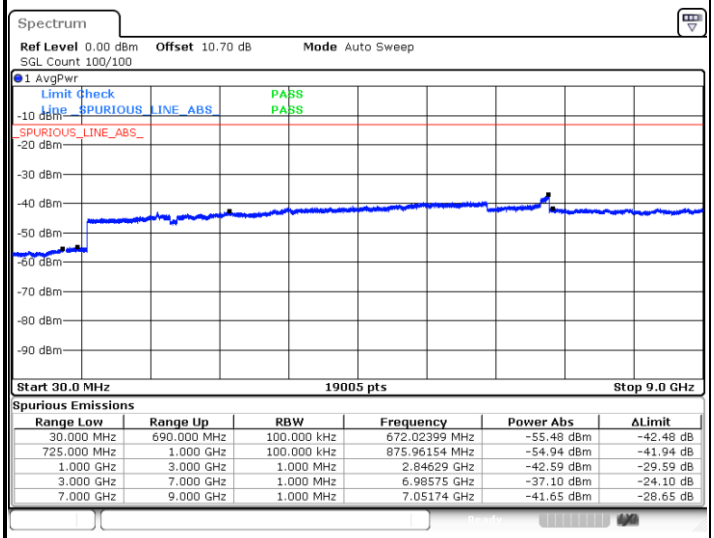


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.53673 MHz	-55.47 dBm	-42.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	856.18132 MHz	-54.82 dBm	-41.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82929 GHz	-42.40 dBm	-29.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-37.25 dBm	-24.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03624 GHz	-41.68 dBm	-28.68 dB

Date: 22.DEC.2019 18:09:17

Highest Channel / 64QAM



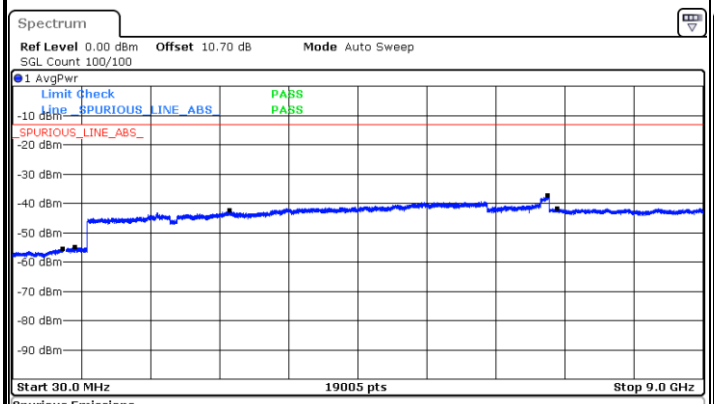
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	672.02399 MHz	-55.48 dBm	-42.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	875.96154 MHz	-54.94 dBm	-41.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84629 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-37.10 dBm	-24.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05174 GHz	-41.65 dBm	-28.65 dB

Date: 22.DEC.2019 18:12:21

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

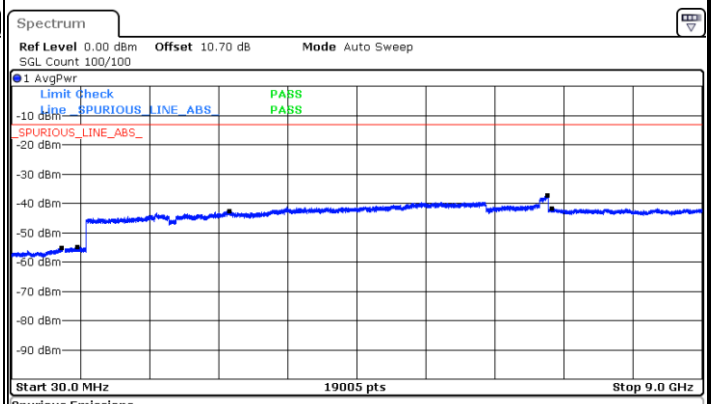


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.94003 MHz	-55.49 dBm	-42.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	836.40110 MHz	-55.00 dBm	-42.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84879 GHz	-42.42 dBm	-29.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-37.27 dBm	-24.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.10572 GHz	-41.65 dBm	-28.65 dB

Date: 22.DEC.2019 18:30:10

Middle Channel / 64QAM

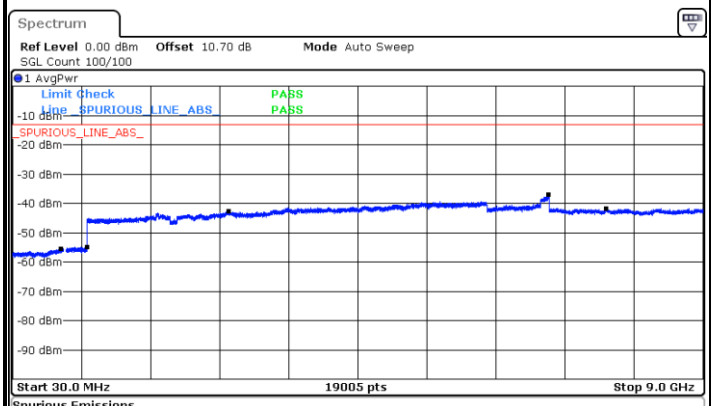


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	676.64168 MHz	-55.35 dBm	-42.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	878.70879 MHz	-54.89 dBm	-41.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85979 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-37.17 dBm	-24.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04874 GHz	-41.81 dBm	-28.81 dB

Date: 22.DEC.2019 18:31:31

Highest Channel / 64QAM



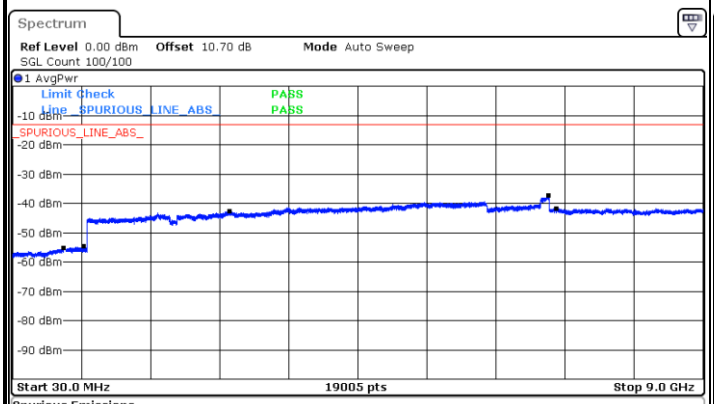
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	656.52174 MHz	-55.56 dBm	-42.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.81868 MHz	-54.81 dBm	-41.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83379 GHz	-42.66 dBm	-29.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-37.13 dBm	-24.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.74056 GHz	-41.70 dBm	-28.70 dB

Date: 22.DEC.2019 18:34:35

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

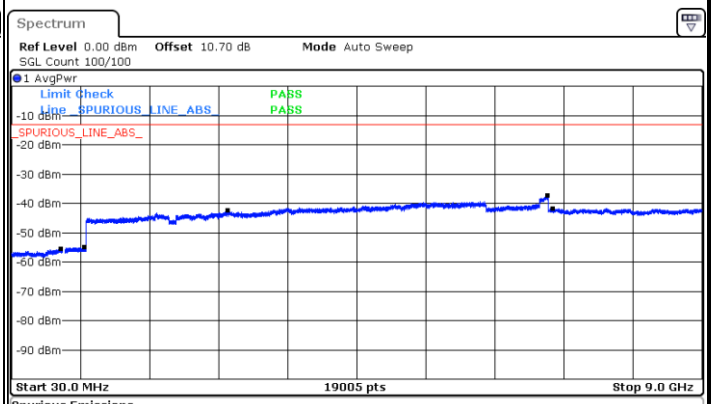


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.52624 MHz	-55.28 dBm	-42.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	947.11538 MHz	-54.64 dBm	-41.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84279 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-37.28 dBm	-24.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.09423 GHz	-41.65 dBm	-28.65 dB

Date: 22.DEC.2019 18:37:40

Middle Channel / 64QAM

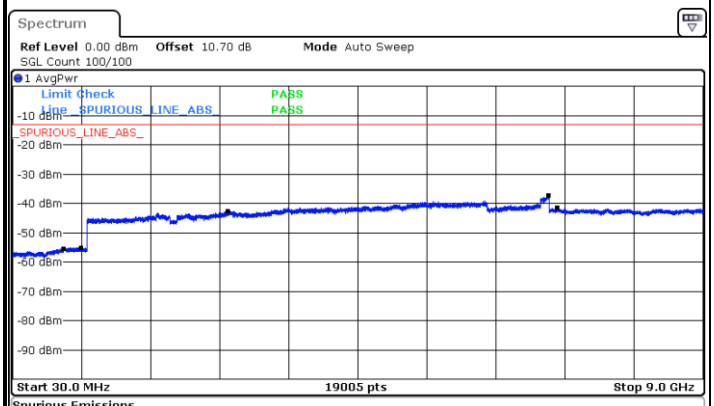


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.79910 MHz	-55.38 dBm	-42.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	971.29121 MHz	-55.05 dBm	-42.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83829 GHz	-42.44 dBm	-29.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-37.37 dBm	-24.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05374 GHz	-41.69 dBm	-28.69 dB

Date: 22.DEC.2019 18:39:01

Highest Channel / 64QAM



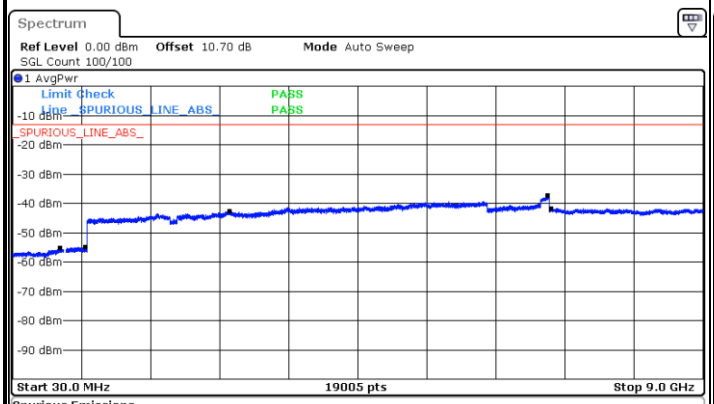
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-55.42 dBm	-42.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	912.22527 MHz	-55.10 dBm	-42.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82629 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-37.20 dBm	-24.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.10872 GHz	-41.42 dBm	-28.42 dB

Date: 22.DEC.2019 18:42:05

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

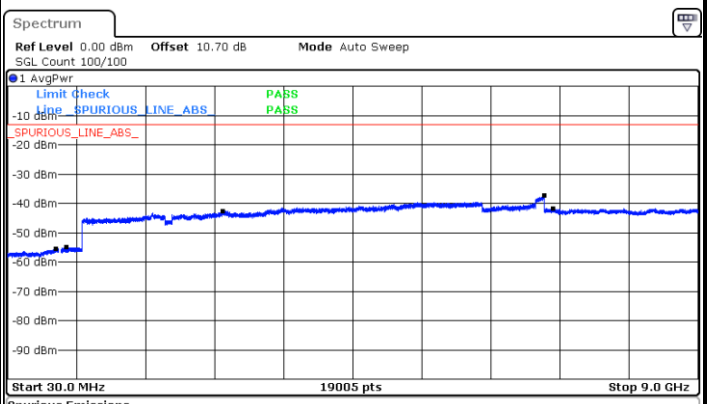


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	642.66867 MHz	-55.31 dBm	-42.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.74176 MHz	-55.05 dBm	-42.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84929 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97775 GHz	-37.37 dBm	-24.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02974 GHz	-41.81 dBm	-28.81 dB

Date: 22.DEC.2019 19:15:11

Middle Channel / 64QAM

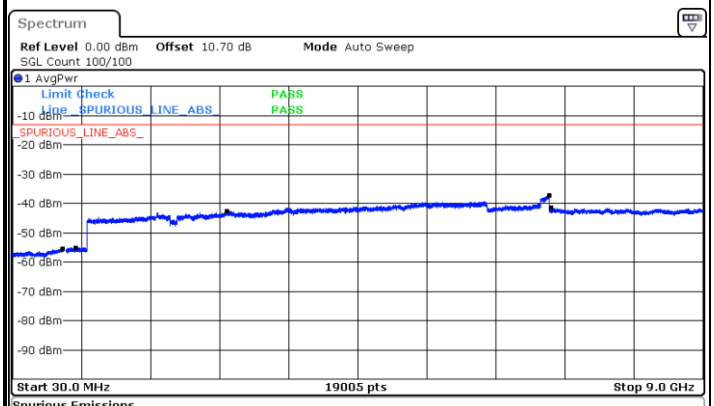


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	655.86207 MHz	-55.47 dBm	-42.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	793.54396 MHz	-55.07 dBm	-42.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82829 GHz	-42.55 dBm	-29.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-37.44 dBm	-24.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.11622 GHz	-41.73 dBm	-28.73 dB

Date: 22.DEC.2019 19:16:32

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.24888 MHz	-55.43 dBm	-42.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	842.44505 MHz	-55.10 dBm	-42.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80980 GHz	-42.64 dBm	-29.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-37.18 dBm	-24.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01975 GHz	-41.62 dBm	-28.62 dB

Date: 22.DEC.2019 19:19:36

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	0.0003	PASS
40	Normal Voltage	0.0061	
30	Normal Voltage	0.0078	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0065	
-30	Normal Voltage	0.0147	
20	Maximum Voltage	0.0093	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0216	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

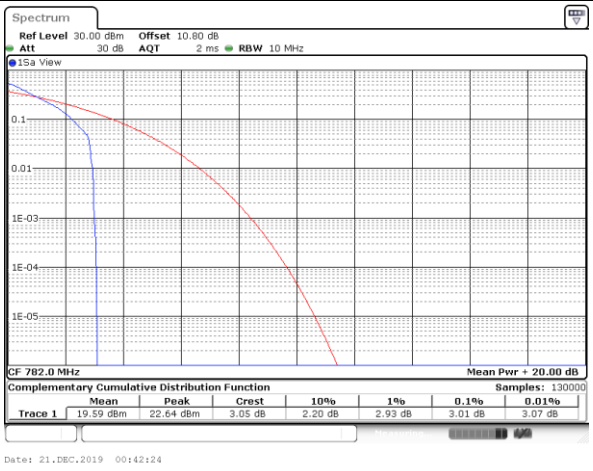
LTE Band 13

Peak-to-Average Ratio

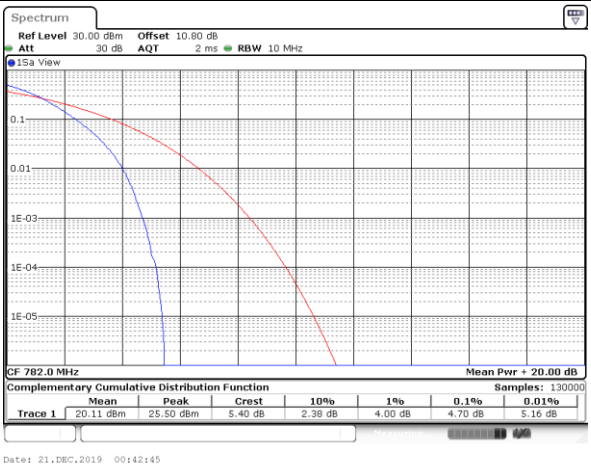
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.01	4.70	4.64	5.65	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.86	6.12	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB

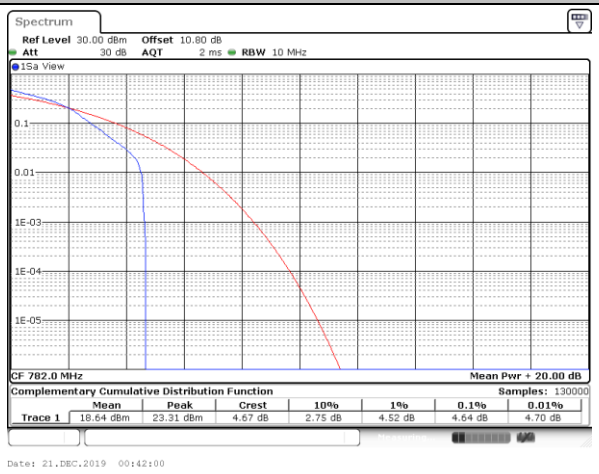


Middle Channel / Full RB

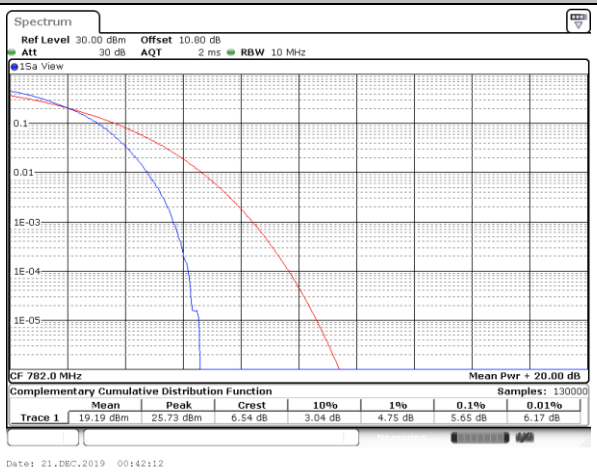


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



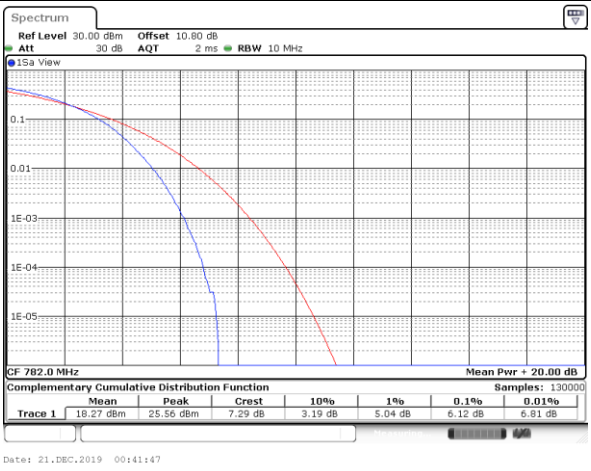
Middle Channel / Full RB



LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB

Middle Channel / Full RB

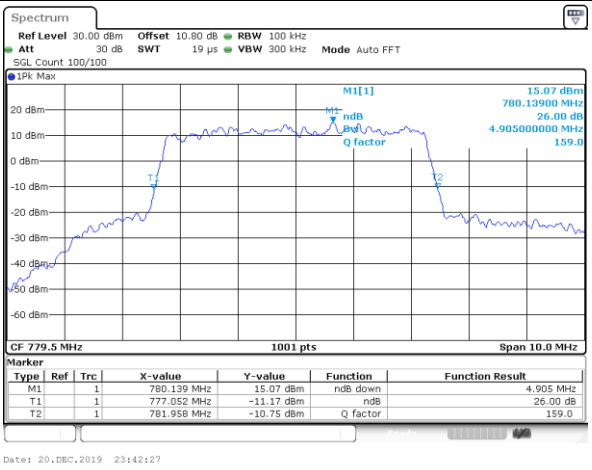


26dB Bandwidth

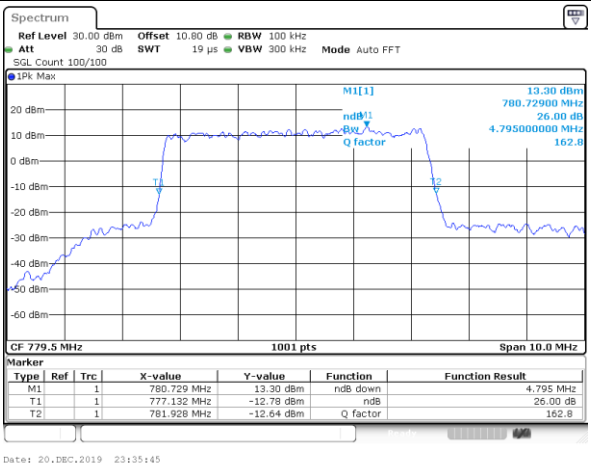
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.91	4.80	-	-	-	-	-	-
Middle CH	-	-	-	-	4.91	4.83	9.71	9.71	-	-	-	-
Highest CH	-	-	-	-	4.90	4.83	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.84	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.95	-	9.81	-	-	-	-	-
Highest CH	-	-	-	-	4.84	-	-	-	-	-	-	-

LTE Band 13

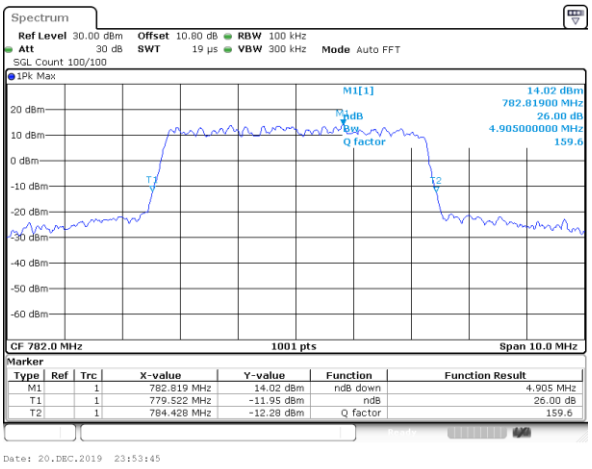
Lowest Channel / 5MHz / QPSK



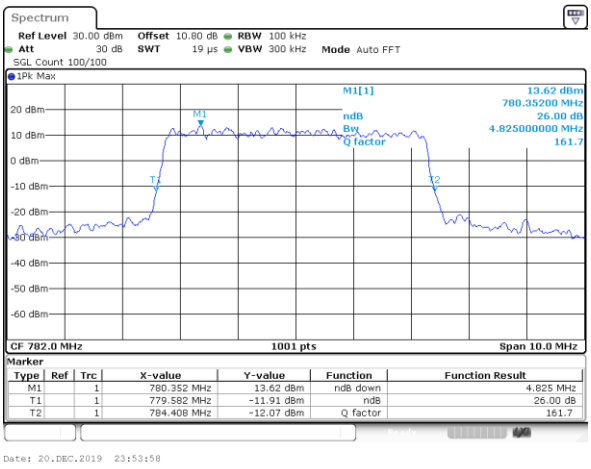
Lowest Channel / 5MHz / 16QAM



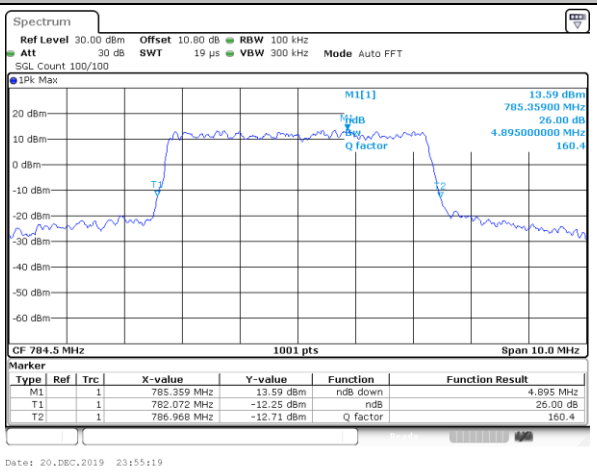
Middle Channel / 5MHz / QPSK



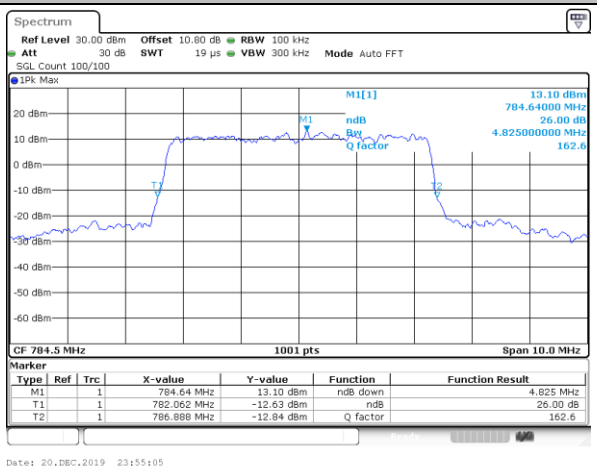
Middle Channel / 5MHz / 16QAM

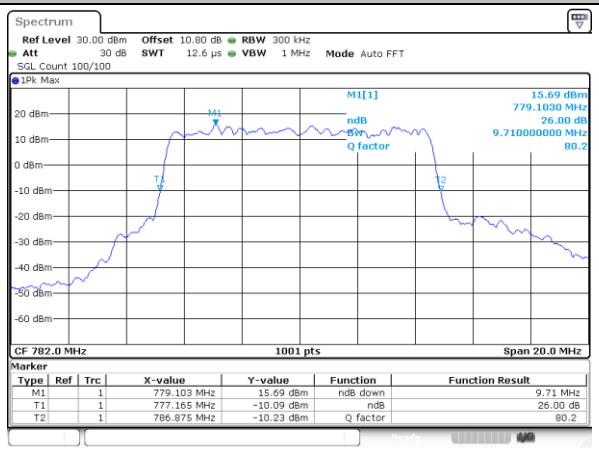
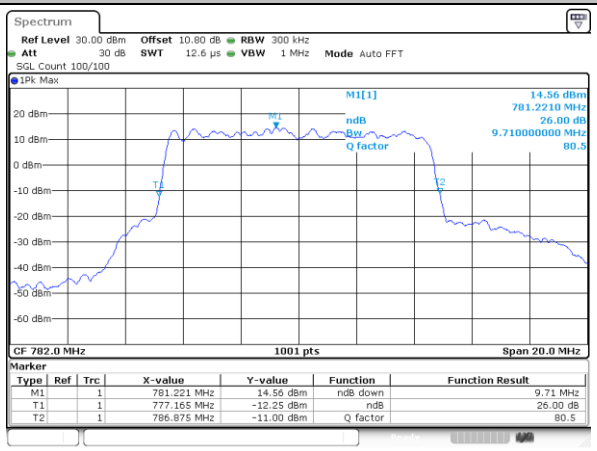


Highest Channel / 5MHz / QPSK



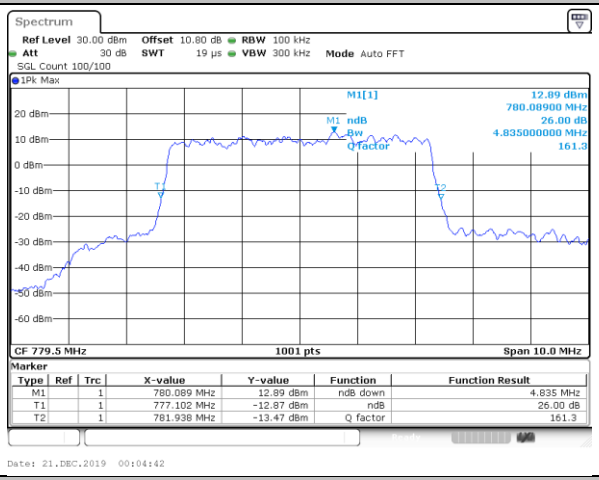
Highest Channel / 5MHz / 16QAM



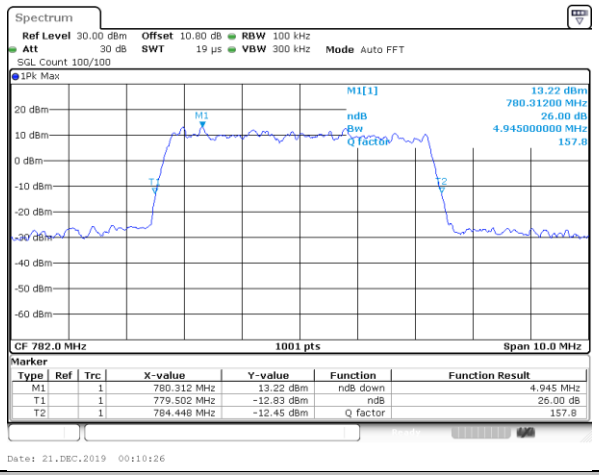
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

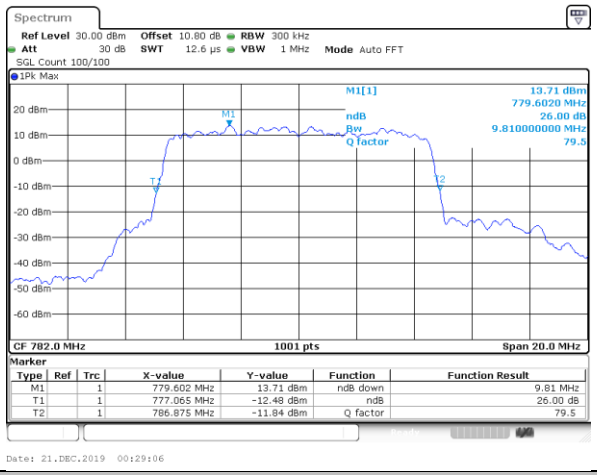
Lowest Channel / 5MHz / 64QAM



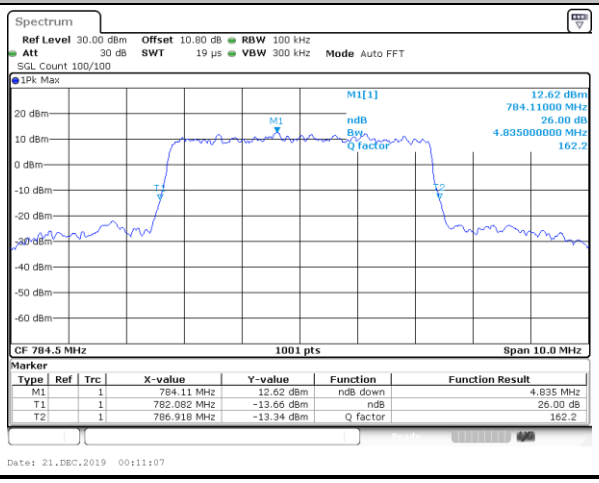
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

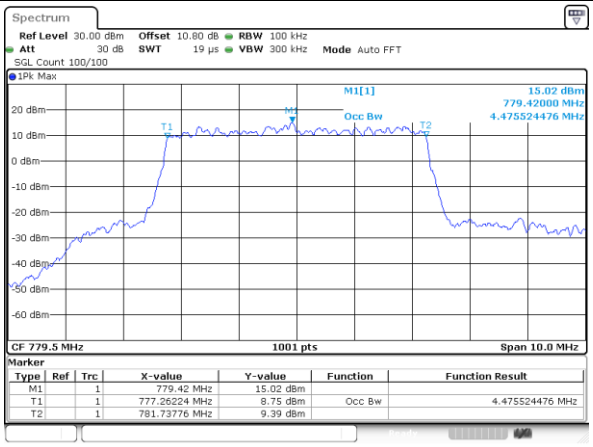


Occupied Bandwidth

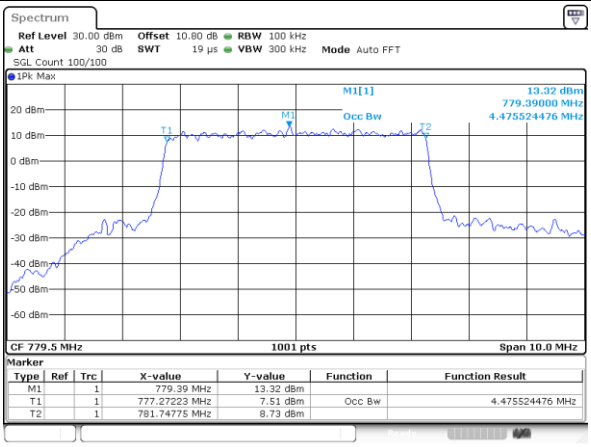
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.47	8.97	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.49	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.47	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	-	9.01	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-	-	-	-	-	-	-

LTE Band 13

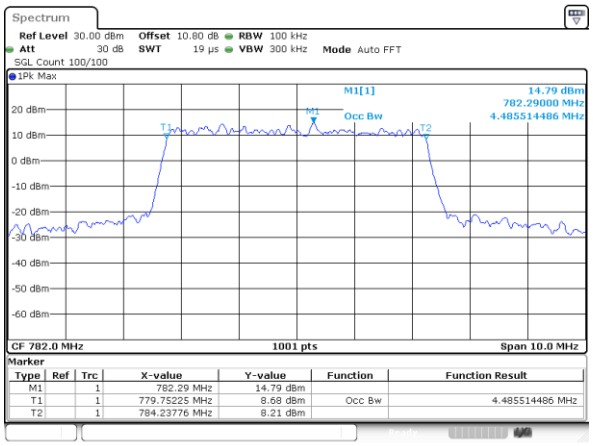
Lowest Channel / 5MHz / QPSK



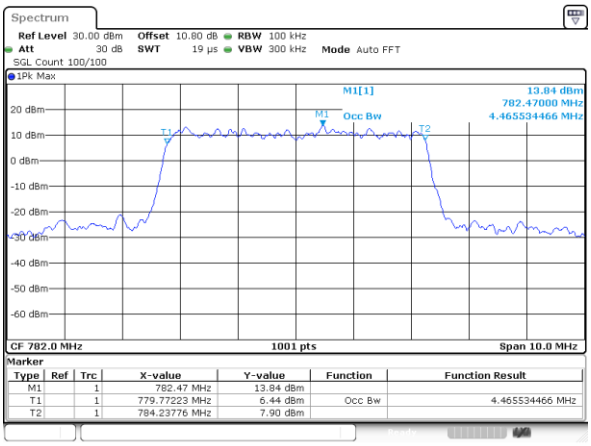
Lowest Channel / 5MHz / 16QAM



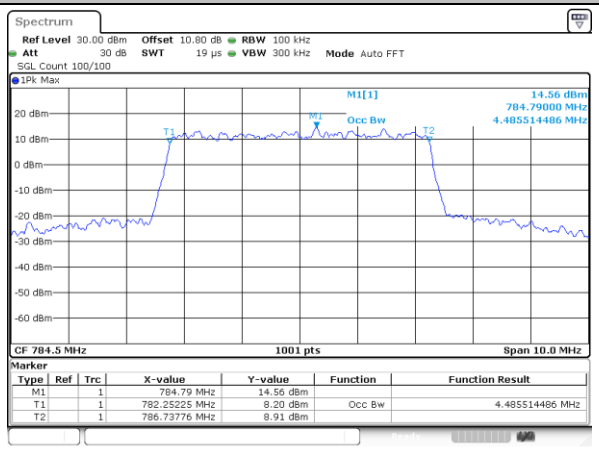
Middle Channel / 5MHz / QPSK



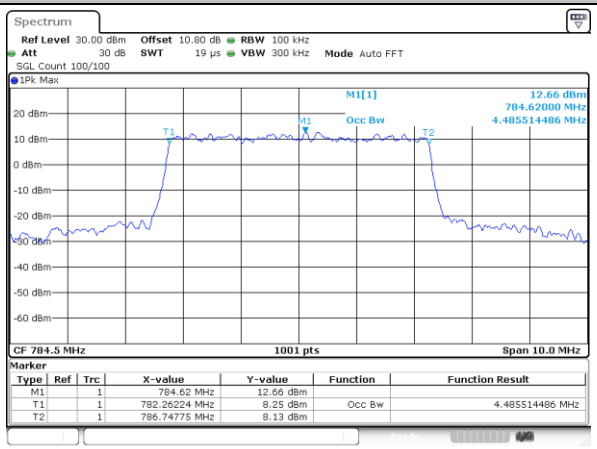
Middle Channel / 5MHz / 16QAM

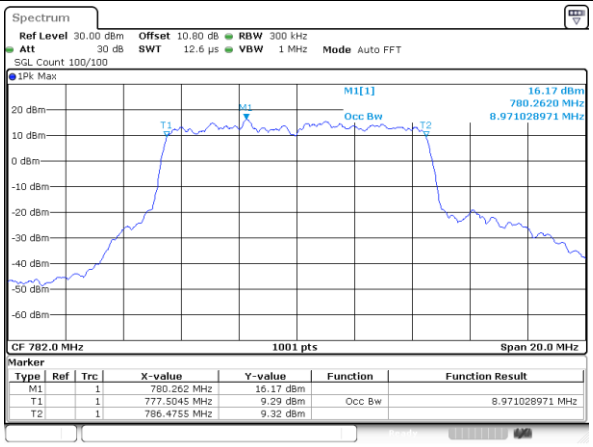
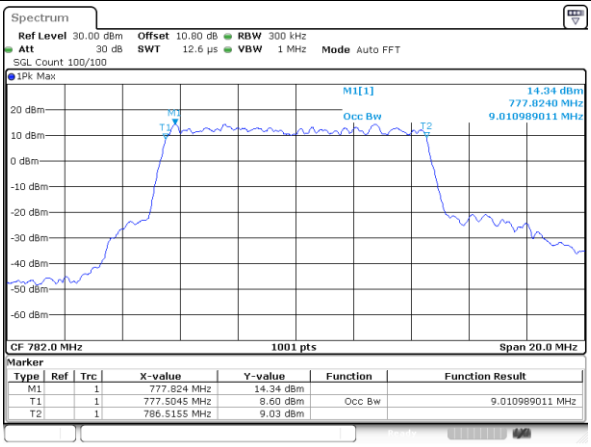


Highest Channel / 5MHz / QPSK



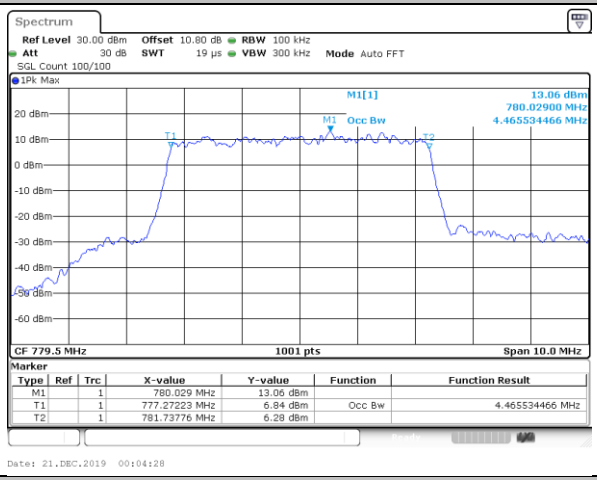
Highest Channel / 5MHz / 16QAM



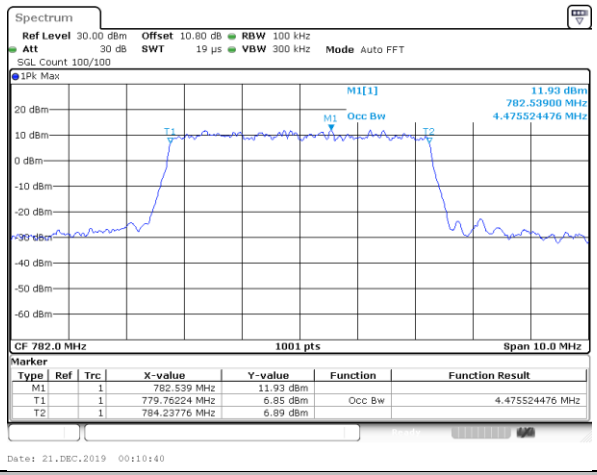
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

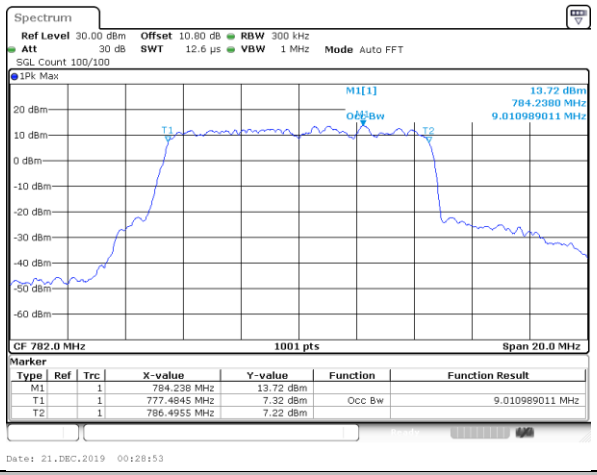
Lowest Channel / 5MHz / 64QAM



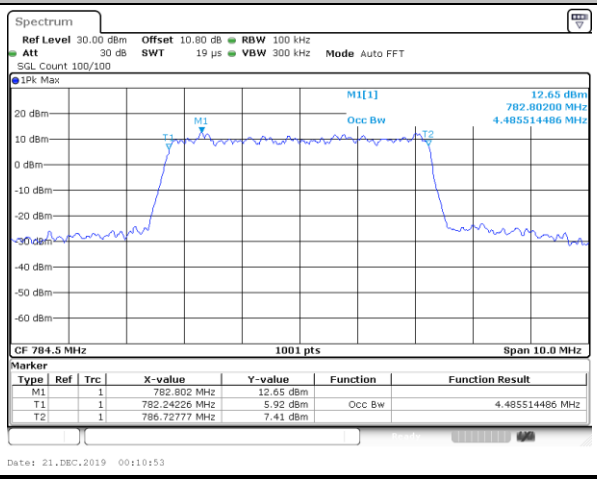
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



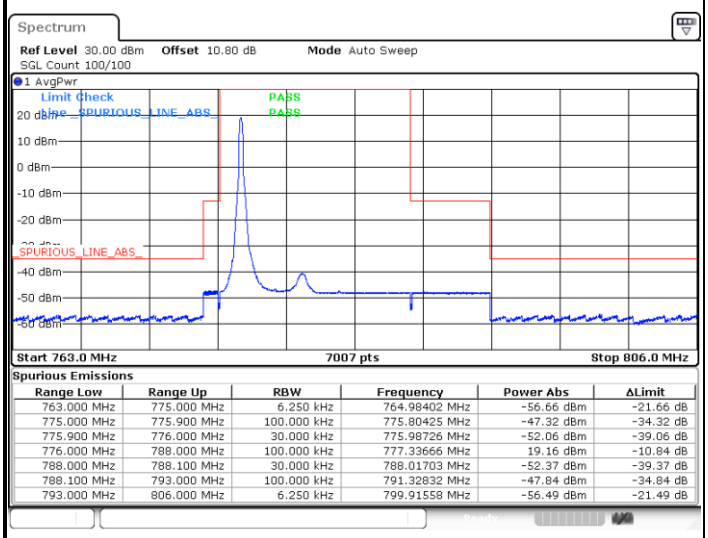
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

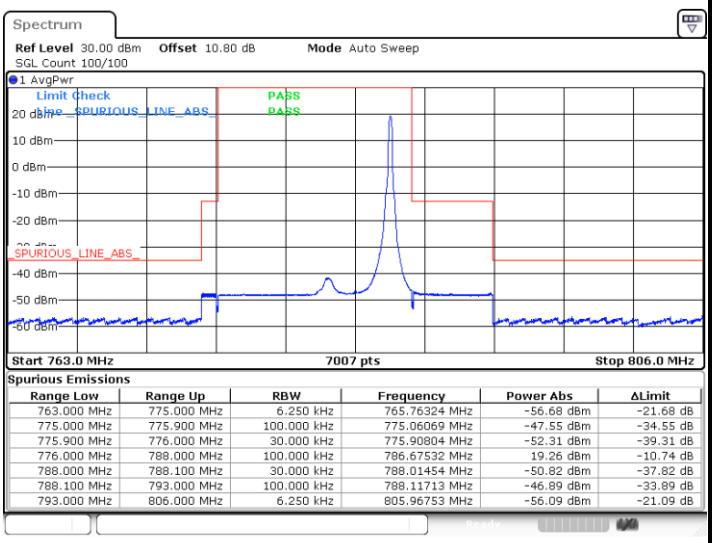


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.98402 MHz	-56.66 dBm	-21.66 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80425 MHz	-47.32 dBm	-34.32 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98726 MHz	-52.06 dBm	-39.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	19.16 dBm	-10.84 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01703 MHz	-52.37 dBm	-39.37 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.32832 MHz	-47.84 dBm	-34.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.91558 MHz	-56.49 dBm	-21.49 dB

Date: 20.DEC.2019 23:49:14

Highest Band Edge / 1 RB

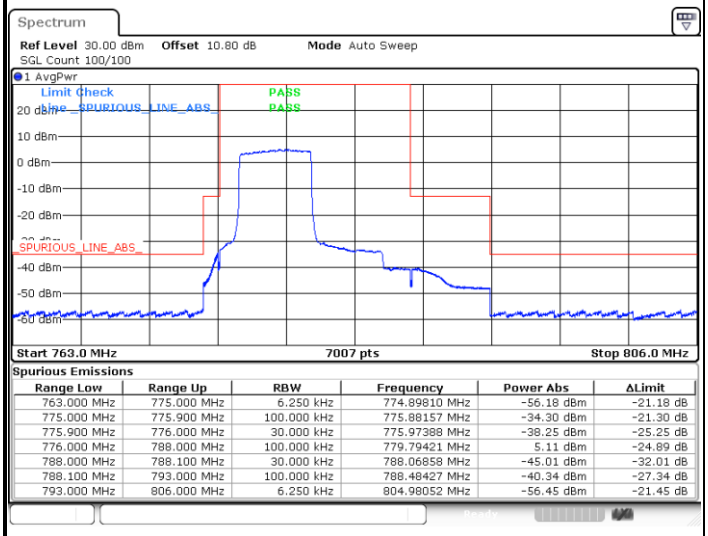


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.76324 MHz	-56.68 dBm	-21.68 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.06069 MHz	-47.55 dBm	-34.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90804 MHz	-52.31 dBm	-39.31 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.67532 MHz	19.26 dBm	-10.74 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01454 MHz	-50.82 dBm	-37.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-46.89 dBm	-33.89 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.96753 MHz	-56.09 dBm	-21.09 dB

Date: 21.DEC.2019 00:02:05

Lowest Band Edge / Full RB

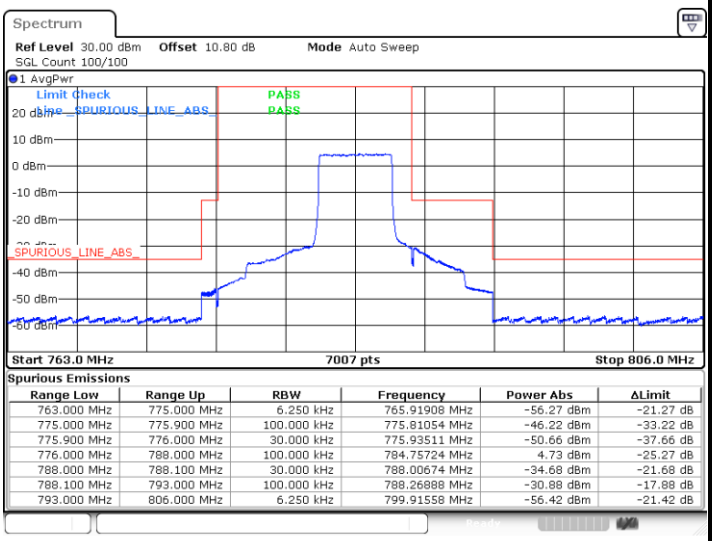


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.89810 MHz	-56.18 dBm	-21.18 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88157 MHz	-34.30 dBm	-21.30 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97388 MHz	-38.25 dBm	-25.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.79421 MHz	5.11 dBm	-24.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06858 MHz	-45.01 dBm	-32.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.48427 MHz	-40.34 dBm	-27.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.98052 MHz	-56.45 dBm	-21.45 dB

Date: 20.DEC.2019 23:44:09

Highest Band Edge / Full RB



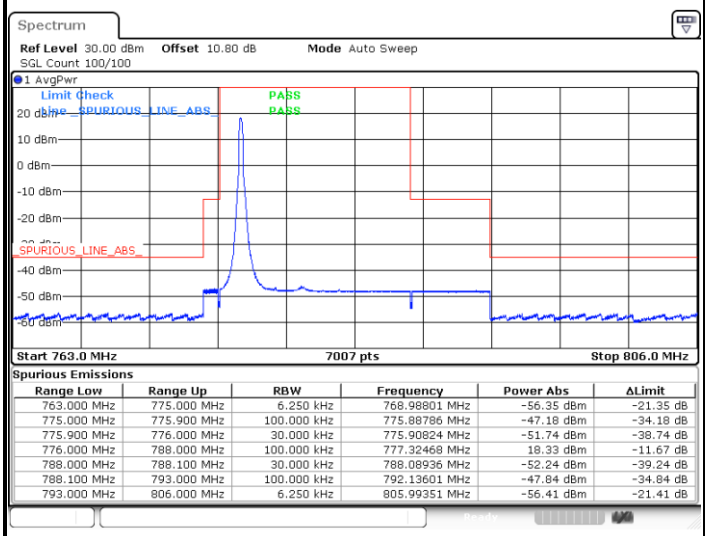
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.91908 MHz	-56.27 dBm	-21.27 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81054 MHz	-46.22 dBm	-33.22 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93511 MHz	-50.66 dBm	-37.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.75724 MHz	4.73 dBm	-25.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00674 MHz	-34.68 dBm	-21.68 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.26888 MHz	-30.88 dBm	-17.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.91558 MHz	-56.42 dBm	-21.42 dB

Date: 20.DEC.2019 23:57:01

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

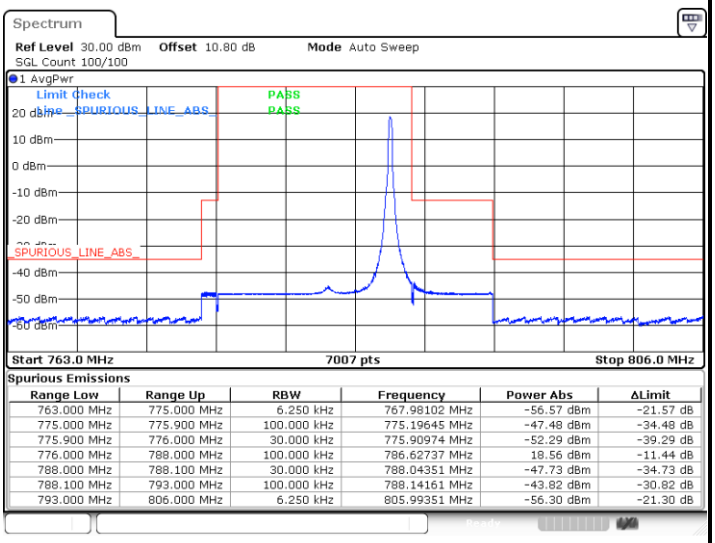


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.98801 MHz	-56.35 dBm	-21.35 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88786 MHz	-47.18 dBm	-34.18 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90824 MHz	-51.74 dBm	-38.74 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	18.33 dBm	-11.67 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08936 MHz	-52.24 dBm	-39.24 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.13601 MHz	-47.84 dBm	-34.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.99351 MHz	-56.41 dBm	-21.41 dB

Date: 20.DEC.2019 23:47:32

Highest Band Edge / 1 RB

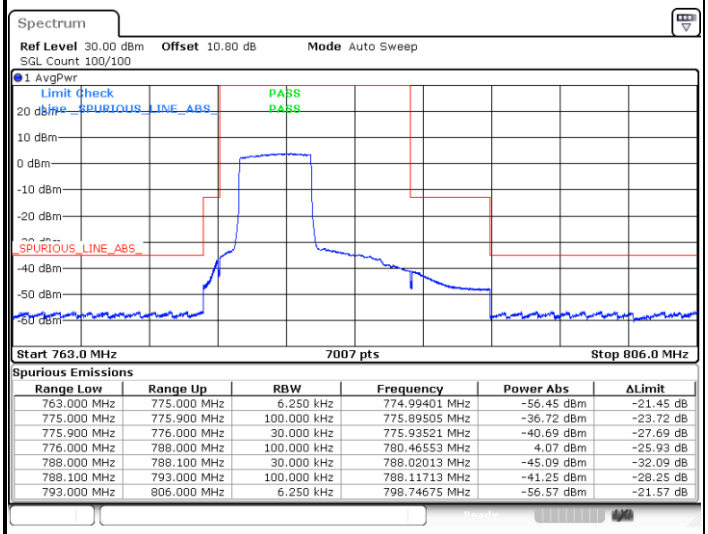


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.98102 MHz	-56.57 dBm	-21.57 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.19645 MHz	-47.48 dBm	-34.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90974 MHz	-52.29 dBm	-39.29 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	18.56 dBm	-11.44 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04351 MHz	-47.73 dBm	-34.73 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14161 MHz	-43.82 dBm	-30.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.99351 MHz	-56.30 dBm	-21.30 dB

Date: 21.DEC.2019 00:00:24

Lowest Band Edge / Full RB

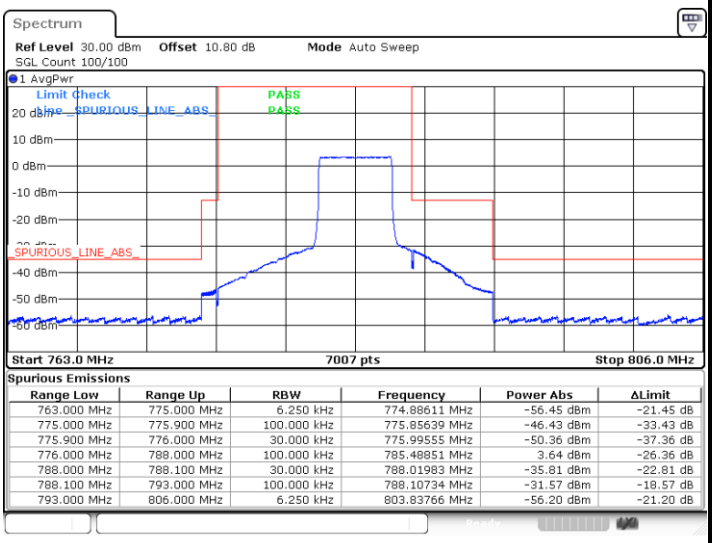


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-56.45 dBm	-21.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89505 MHz	-36.72 dBm	-23.72 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93521 MHz	-40.69 dBm	-27.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.46553 MHz	4.07 dBm	-25.93 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02013 MHz	-45.09 dBm	-32.09 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-41.25 dBm	-28.25 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.74675 MHz	-56.57 dBm	-21.57 dB

Date: 20.DEC.2019 23:45:51

Highest Band Edge / Full RB



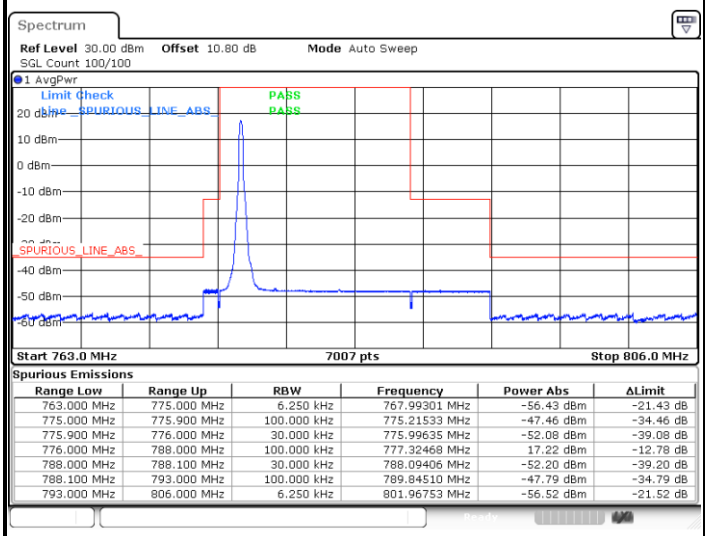
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.88611 MHz	-56.45 dBm	-21.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85639 MHz	-46.43 dBm	-33.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99555 MHz	-50.36 dBm	-37.36 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.48851 MHz	3.64 dBm	-26.36 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01983 MHz	-35.81 dBm	-22.81 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-31.57 dBm	-18.57 dB
793.000 MHz	806.000 MHz	6.250 kHz	803.83766 MHz	-56.20 dBm	-21.20 dB

Date: 20.DEC.2019 23:58:42

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

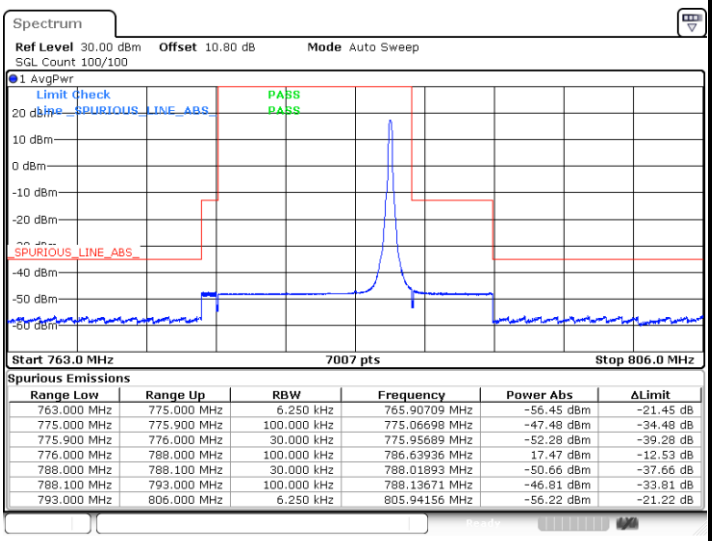


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.99301 MHz	-56.43 dBm	-21.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.21533 MHz	-47.46 dBm	-34.46 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99635 MHz	-52.08 dBm	-39.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	17.22 dBm	-12.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09406 MHz	-52.20 dBm	-39.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.84510 MHz	-47.79 dBm	-34.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.96753 MHz	-56.52 dBm	-21.52 dB

Date: 21.DEC.2019 00:08:05

Highest Band Edge / 1 RB

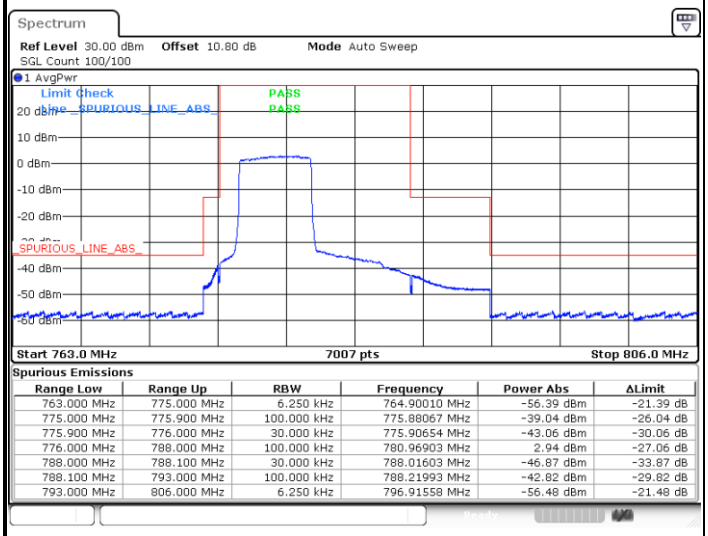


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.90709 MHz	-56.45 dBm	-21.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.06698 MHz	-47.48 dBm	-34.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95689 MHz	-52.28 dBm	-39.28 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	17.47 dBm	-12.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01893 MHz	-50.66 dBm	-37.66 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13671 MHz	-46.81 dBm	-33.81 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.94156 MHz	-56.22 dBm	-21.22 dB

Date: 21.DEC.2019 00:14:29

Lowest Band Edge / Full RB

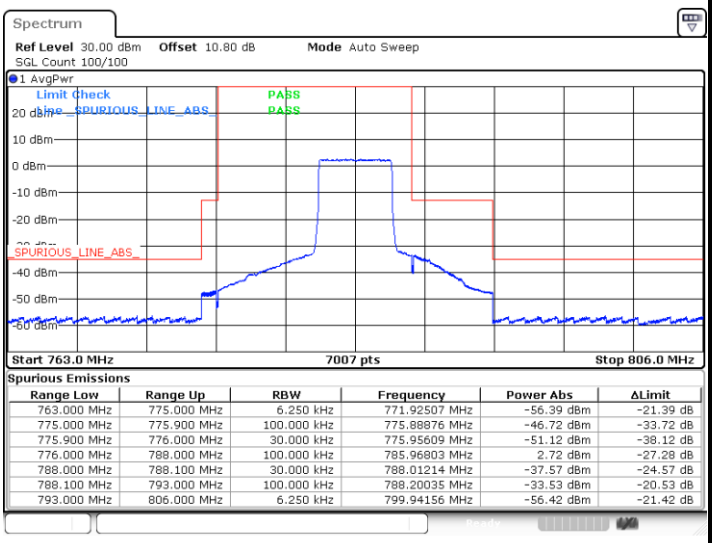


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.90010 MHz	-56.39 dBm	-21.39 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88067 MHz	-39.04 dBm	-26.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90654 MHz	-43.06 dBm	-30.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.96903 MHz	2.94 dBm	-27.06 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01603 MHz	-46.87 dBm	-33.87 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21993 MHz	-42.82 dBm	-29.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.91558 MHz	-56.48 dBm	-21.48 dB

Date: 21.DEC.2019 00:06:24

Highest Band Edge / Full RB



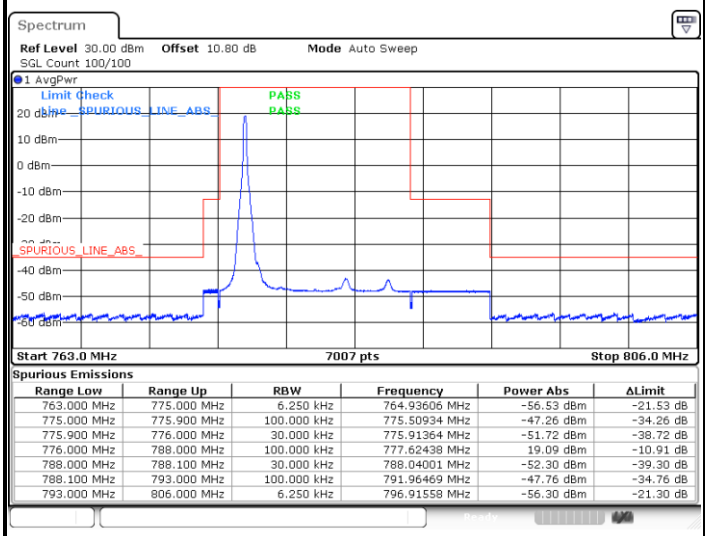
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.92507 MHz	-56.39 dBm	-21.39 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88876 MHz	-46.72 dBm	-33.72 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95609 MHz	-51.12 dBm	-38.12 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.96803 MHz	2.72 dBm	-27.28 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01214 MHz	-37.57 dBm	-24.57 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20035 MHz	-33.53 dBm	-20.53 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.94156 MHz	-56.42 dBm	-21.42 dB

Date: 21.DEC.2019 00:12:48

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

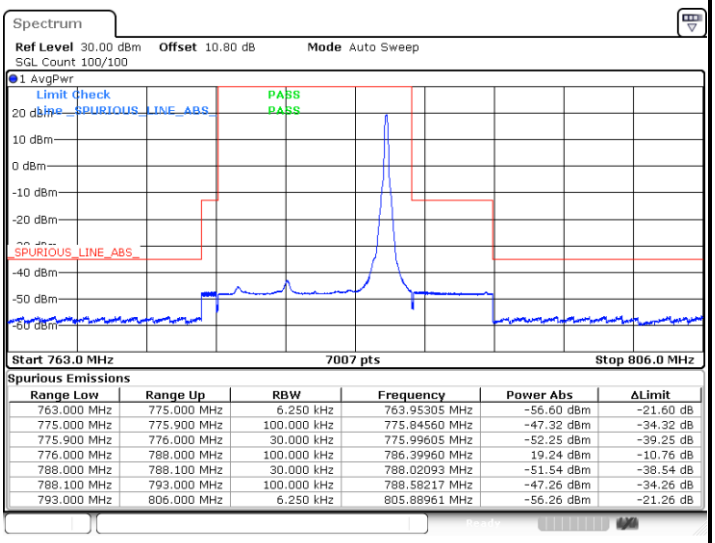


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.93606 MHz	-56.53 dBm	-21.53 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.50934 MHz	-47.26 dBm	-34.26 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91364 MHz	-51.72 dBm	-38.72 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.62438 MHz	19.09 dBm	-10.91 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04001 MHz	-52.30 dBm	-39.30 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.96469 MHz	-47.76 dBm	-34.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.91558 MHz	-56.30 dBm	-21.30 dB

Date: 21.DEC.2019 00:23:10

Highest Band Edge / 1 RB

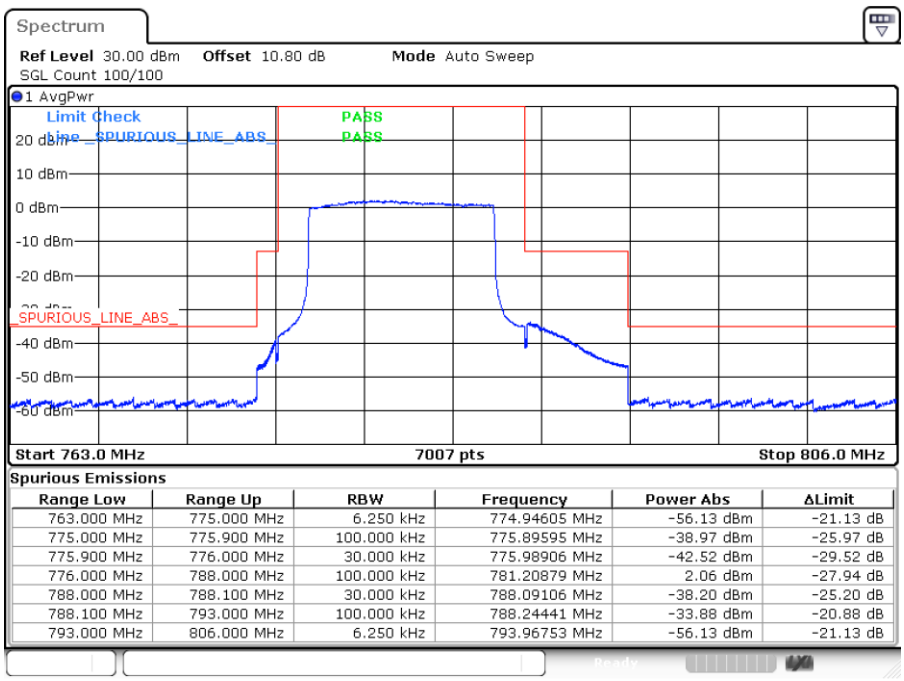


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.95305 MHz	-56.60 dBm	-21.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84560 MHz	-47.32 dBm	-34.32 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99605 MHz	-52.25 dBm	-39.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	19.24 dBm	-10.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02093 MHz	-51.54 dBm	-38.54 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.58217 MHz	-47.26 dBm	-34.26 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.88961 MHz	-56.26 dBm	-21.26 dB

Date: 21.DEC.2019 00:24:51

Band Edge / Full RB



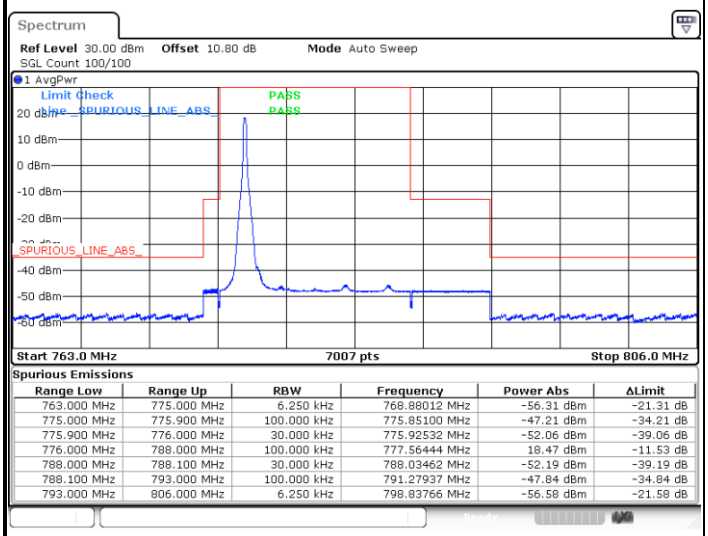
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-56.13 dBm	-21.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-38.97 dBm	-25.97 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98906 MHz	-42.52 dBm	-29.52 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.20879 MHz	2.06 dBm	-27.94 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09106 MHz	-38.20 dBm	-25.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.24441 MHz	-33.88 dBm	-20.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.96753 MHz	-56.13 dBm	-21.13 dB

Date: 21.DEC.2019 00:18:08

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

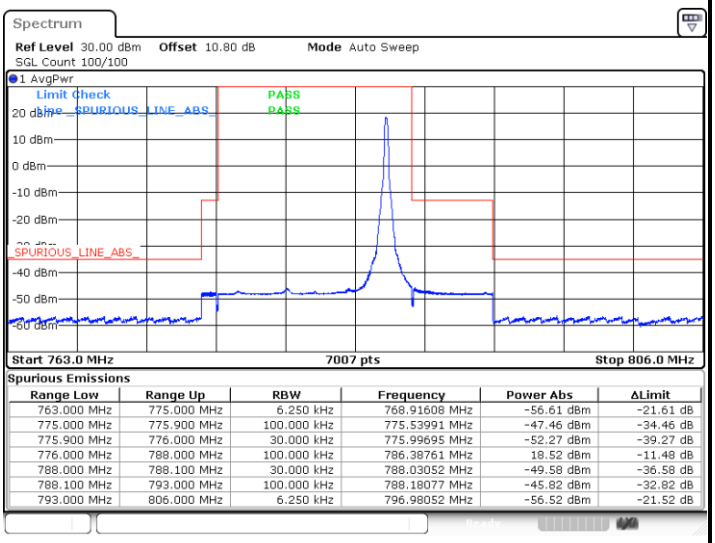


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.88012 MHz	-56.31 dBm	-21.31 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85100 MHz	-47.21 dBm	-34.21 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92532 MHz	-52.06 dBm	-39.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	18.47 dBm	-11.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03462 MHz	-52.19 dBm	-39.19 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.27937 MHz	-47.84 dBm	-34.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.83766 MHz	-56.58 dBm	-21.58 dB

Date: 21.DEC.2019 00:21:29

Highest Band Edge / 1 RB

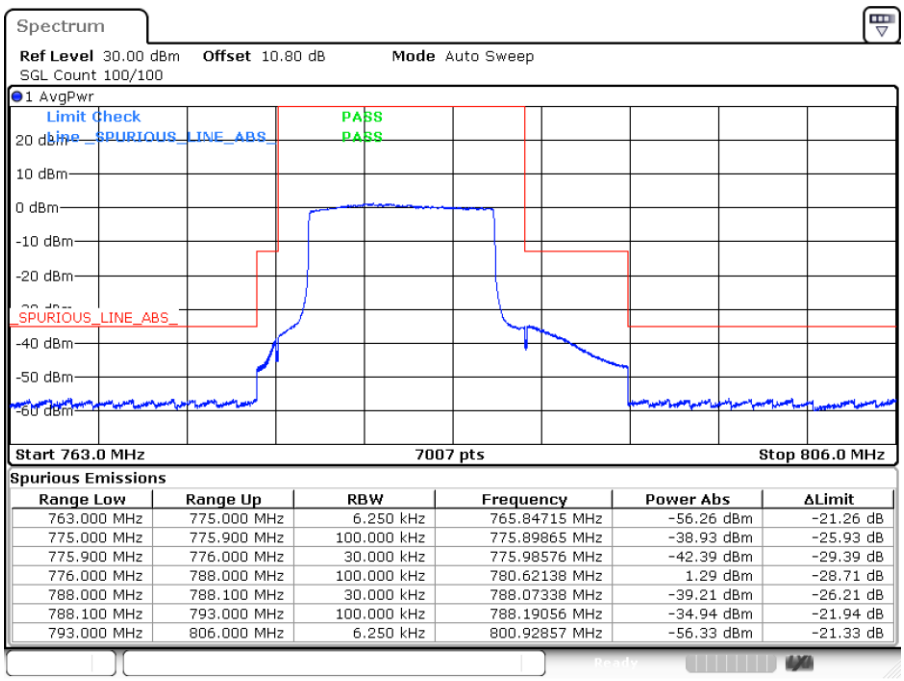


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.91608 MHz	-56.61 dBm	-21.61 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.53991 MHz	-47.46 dBm	-34.46 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99695 MHz	-52.27 dBm	-39.27 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	18.52 dBm	-11.48 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03052 MHz	-49.58 dBm	-36.58 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-45.82 dBm	-32.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.98052 MHz	-56.52 dBm	-21.52 dB

Date: 21.DEC.2019 00:26:31

Band Edge / Full RB



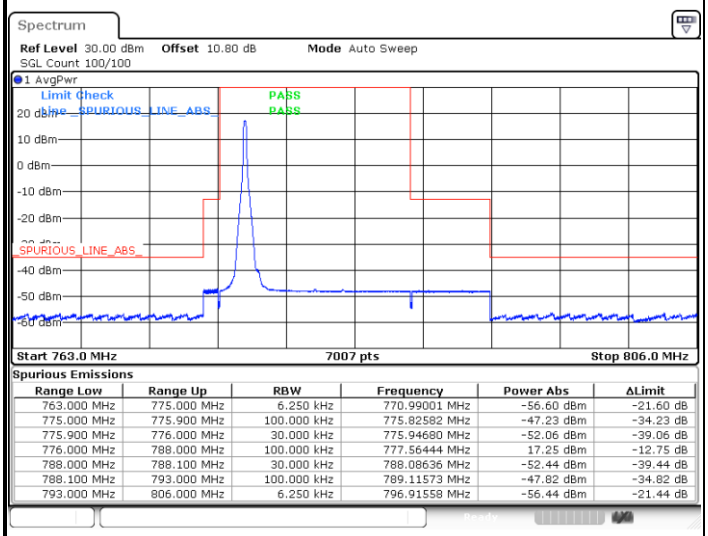
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.84715 MHz	-56.26 dBm	-21.26 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-38.93 dBm	-25.93 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98576 MHz	-42.39 dBm	-29.39 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.62138 MHz	1.29 dBm	-28.71 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07338 MHz	-39.21 dBm	-26.21 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.19056 MHz	-34.94 dBm	-21.94 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.92857 MHz	-56.33 dBm	-21.33 dB

Date: 21.DEC.2019 00:19:49

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

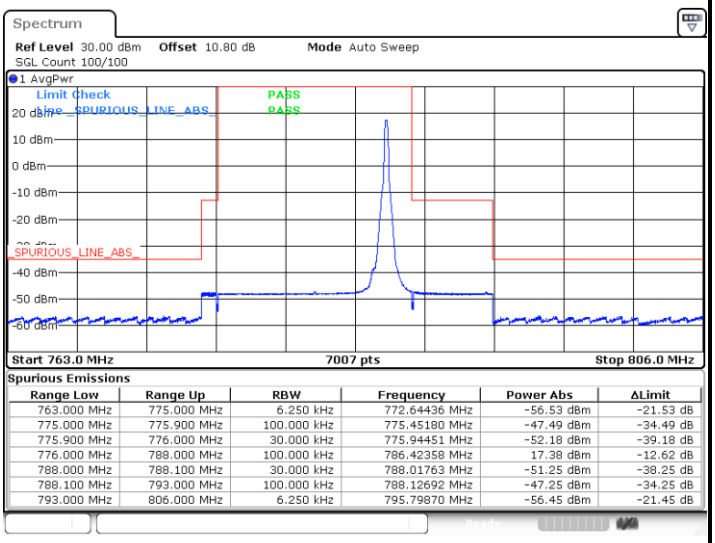


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.99001 MHz	-56.60 dBm	-21.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82582 MHz	-47.23 dBm	-34.23 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94680 MHz	-52.06 dBm	-39.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	17.25 dBm	-12.75 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08636 MHz	-52.44 dBm	-39.44 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.11573 MHz	-47.82 dBm	-34.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.91558 MHz	-56.44 dBm	-21.44 dB

Date: 21.DEC.2019 00:32:27

Highest Band Edge / 1 RB

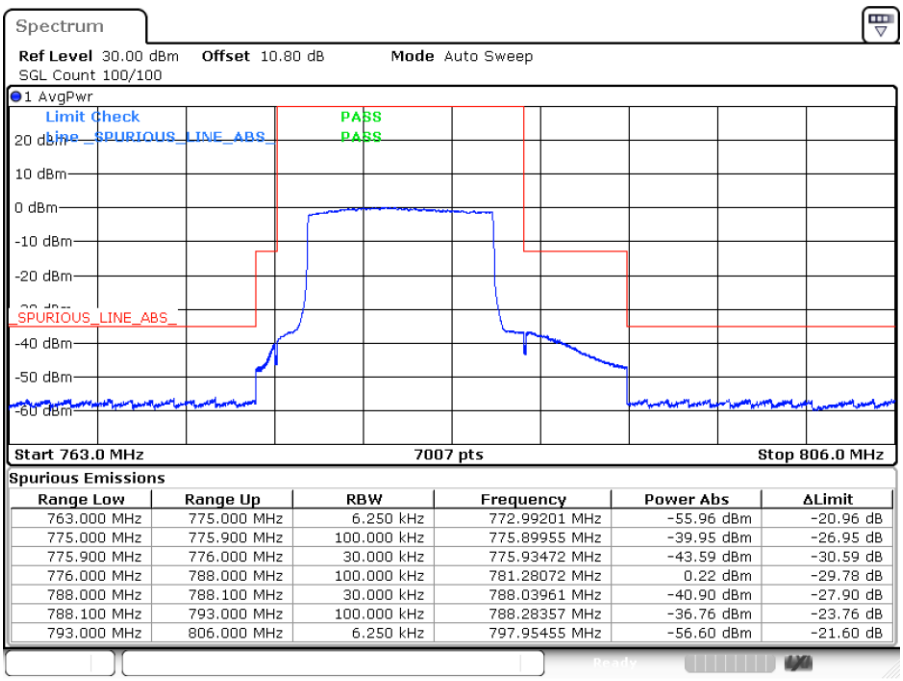


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.64436 MHz	-56.53 dBm	-21.53 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.45180 MHz	-47.49 dBm	-34.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94451 MHz	-52.18 dBm	-39.18 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.42358 MHz	17.38 dBm	-12.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01763 MHz	-51.25 dBm	-38.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-47.25 dBm	-34.25 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.79870 MHz	-56.45 dBm	-21.45 dB

Date: 21.DEC.2019 00:34:08

Band Edge / Full RB



Spurious Emissions

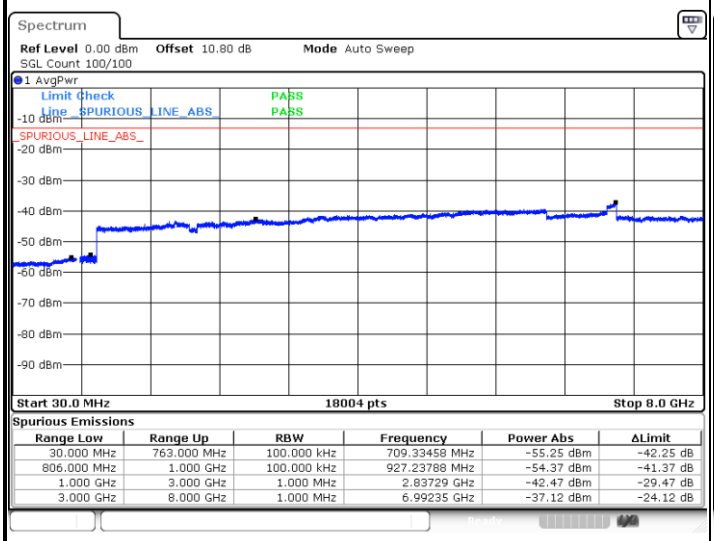
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.99201 MHz	-55.96 dBm	-20.96 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-39.95 dBm	-26.95 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93472 MHz	-43.59 dBm	-30.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.28072 MHz	0.22 dBm	-29.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03961 MHz	-40.90 dBm	-27.90 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.28357 MHz	-36.76 dBm	-23.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.95455 MHz	-56.60 dBm	-21.60 dB

Date: 21.DEC.2019 00:30:47

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

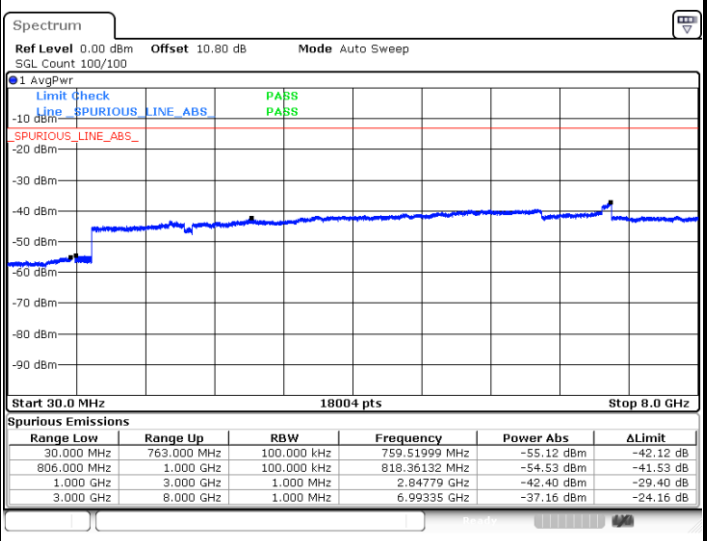


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	709.33458 MHz	-55.25 dBm	-42.25 dB
806.000 MHz	1.000 GHz	100.000 kHz	927.23788 MHz	-54.37 dBm	-41.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83729 GHz	-42.47 dBm	-29.47 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99235 GHz	-37.12 dBm	-24.12 dB

Date: 20.DEC.2019 23:50:18

Lowest Channel / 16QAM

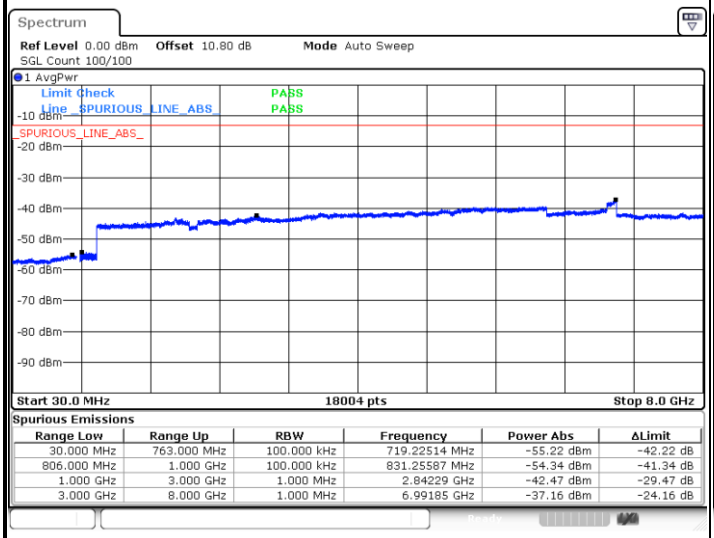


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	759.51999 MHz	-55.12 dBm	-42.12 dB
806.000 MHz	1.000 GHz	100.000 kHz	818.36132 MHz	-54.53 dBm	-41.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84779 GHz	-42.40 dBm	-29.40 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99335 GHz	-37.16 dBm	-24.16 dB

Date: 20.DEC.2019 23:51:23

Middle Channel / QPSK

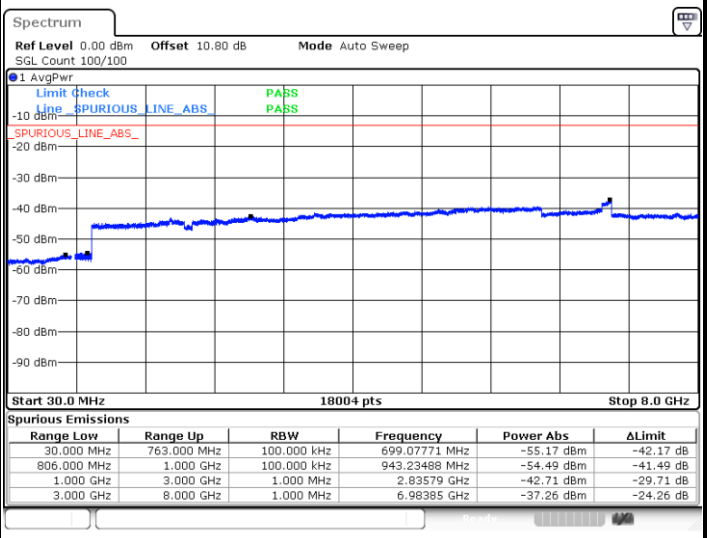


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	719.22514 MHz	-55.22 dBm	-42.22 dB
806.000 MHz	1.000 GHz	100.000 kHz	831.25587 MHz	-54.34 dBm	-41.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84229 GHz	-42.47 dBm	-29.47 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99185 GHz	-37.16 dBm	-24.16 dB

Date: 20.DEC.2019 23:53:31

Middle Channel / 16QAM



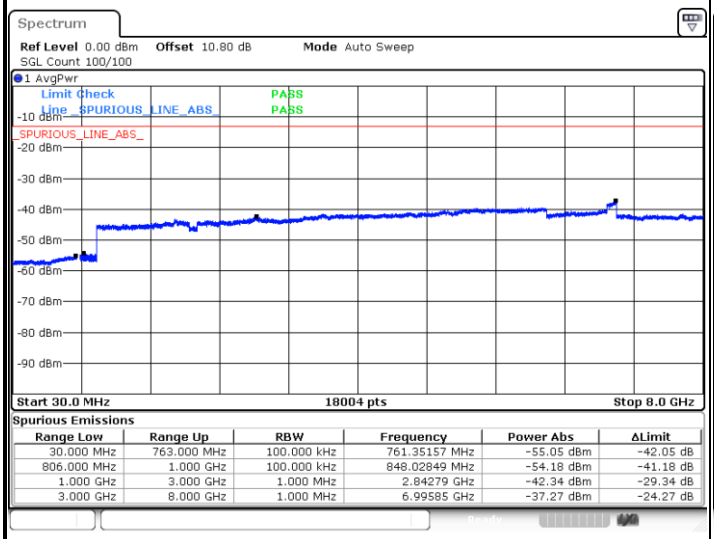
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	699.07771 MHz	-55.17 dBm	-42.17 dB
806.000 MHz	1.000 GHz	100.000 kHz	943.23488 MHz	-54.49 dBm	-41.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83579 GHz	-42.71 dBm	-29.71 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98385 GHz	-37.26 dBm	-24.26 dB

Date: 20.DEC.2019 23:52:27

LTE Band 13 / 5MHz

Highest Channel / QPSK

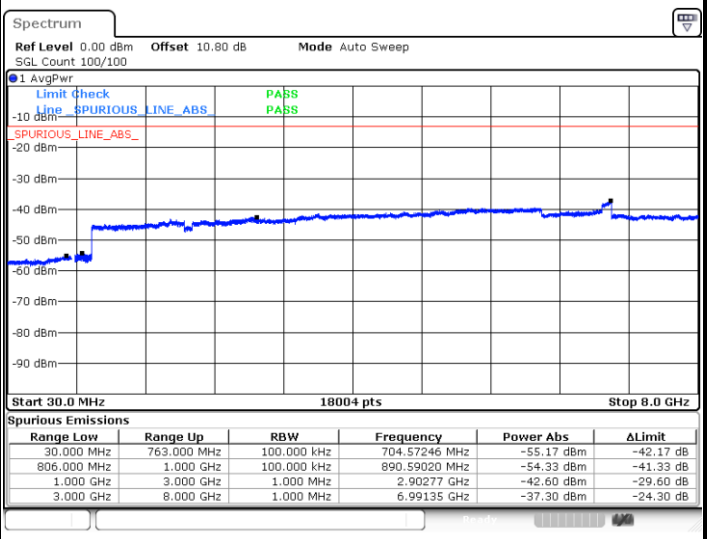


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.35157 MHz	-55.05 dBm	-42.05 dB
806.000 MHz	1.000 GHz	100.000 kHz	848.02849 MHz	-54.18 dBm	-41.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.84279 GHz	-42.34 dBm	-29.34 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99585 GHz	-37.27 dBm	-24.27 dB

Date: 21.DEC.2019 00:03:09

Highest Channel / 16QAM



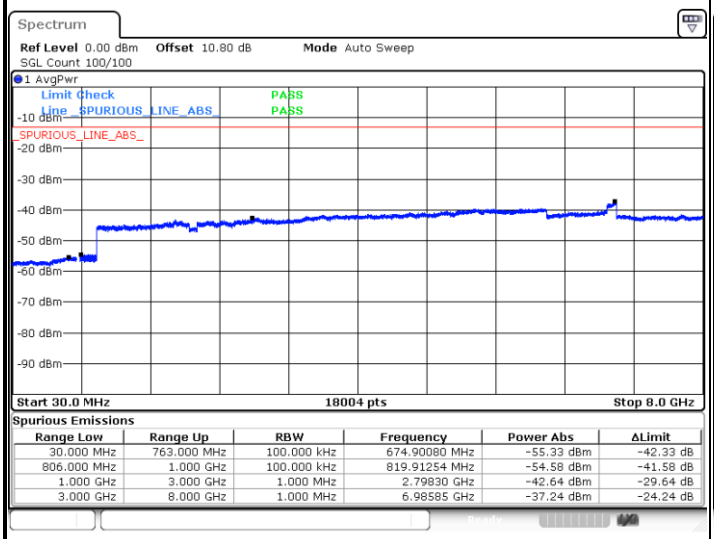
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	704.57246 MHz	-55.17 dBm	-42.17 dB
806.000 MHz	1.000 GHz	100.000 kHz	890.59020 MHz	-54.33 dBm	-41.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90277 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99135 GHz	-37.30 dBm	-24.30 dB

Date: 21.DEC.2019 00:04:14

LTE Band 13 / 10MHz

Middle Channel / QPSK

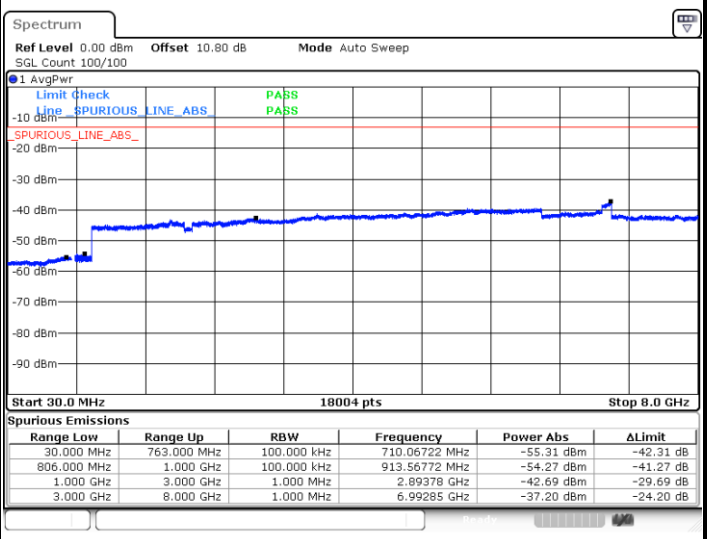


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	674.90080 MHz	-55.33 dBm	-42.33 dB
806.000 MHz	1.000 GHz	100.000 kHz	819.91254 MHz	-54.58 dBm	-41.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.79830 GHz	-42.64 dBm	-29.64 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98585 GHz	-37.24 dBm	-24.24 dB

Date: 21.DEC.2019 00:28:39

Middle Channel / 16QAM



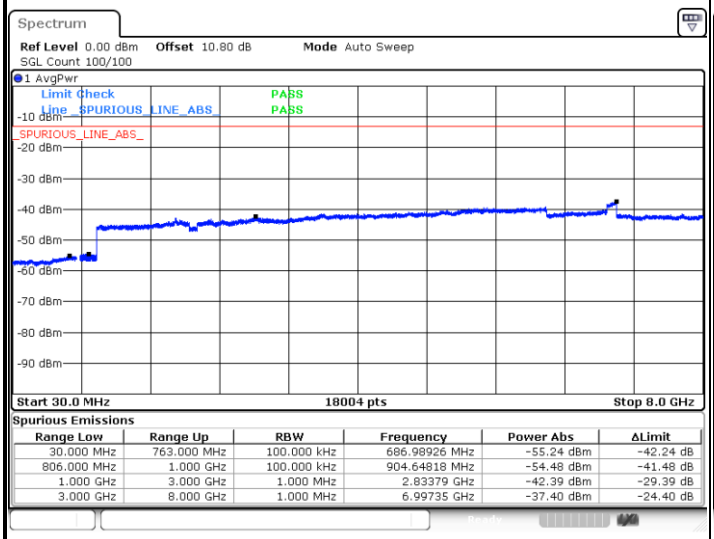
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	710.06722 MHz	-55.31 dBm	-42.31 dB
806.000 MHz	1.000 GHz	100.000 kHz	913.56772 MHz	-54.27 dBm	-41.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.89378 GHz	-42.69 dBm	-29.69 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99285 GHz	-37.20 dBm	-24.20 dB

Date: 21.DEC.2019 00:27:34

LTE Band 13 / 5MHz

Lowest Channel / 64QAM

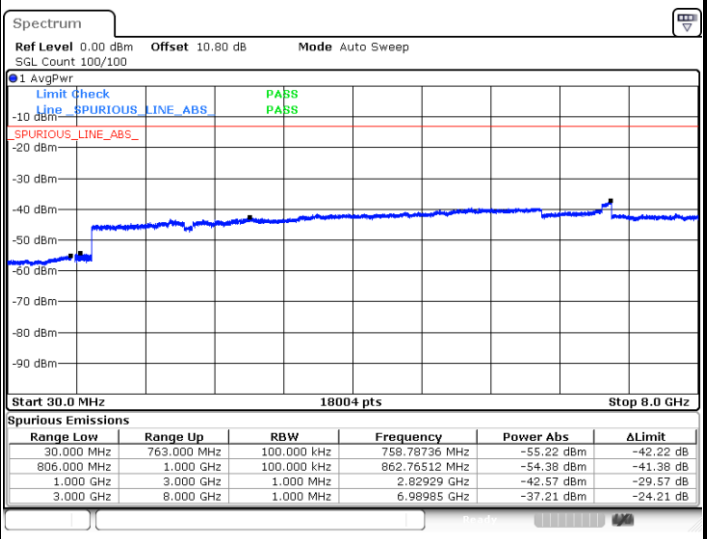


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	686.98926 MHz	-55.24 dBm	-42.24 dB
806.000 MHz	1.000 GHz	100.000 kHz	904.64818 MHz	-54.48 dBm	-41.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83379 GHz	-42.39 dBm	-29.39 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99735 GHz	-37.40 dBm	-24.40 dB

Date: 21.DEC.2019 00:09:09

Middle Channel / 64QAM

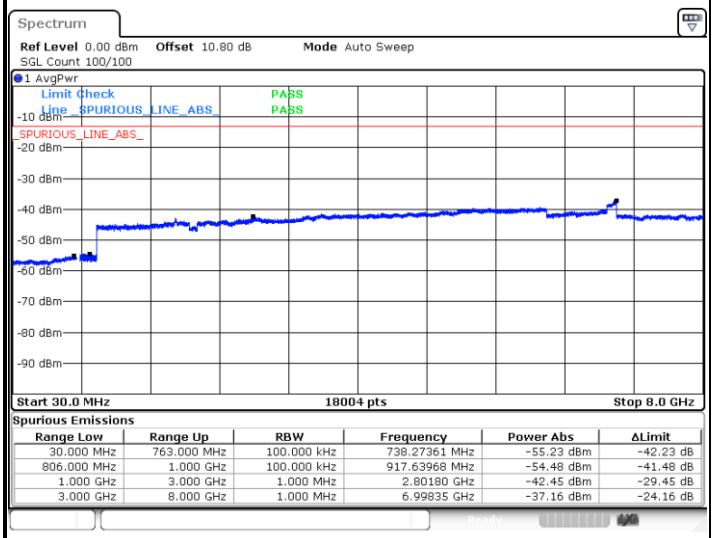


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	758.78736 MHz	-55.22 dBm	-42.22 dB
806.000 MHz	1.000 GHz	100.000 kHz	862.76512 MHz	-54.38 dBm	-41.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.82929 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98985 GHz	-37.21 dBm	-24.21 dB

Date: 21.DEC.2019 00:10:13

Highest Channel / 64QAM

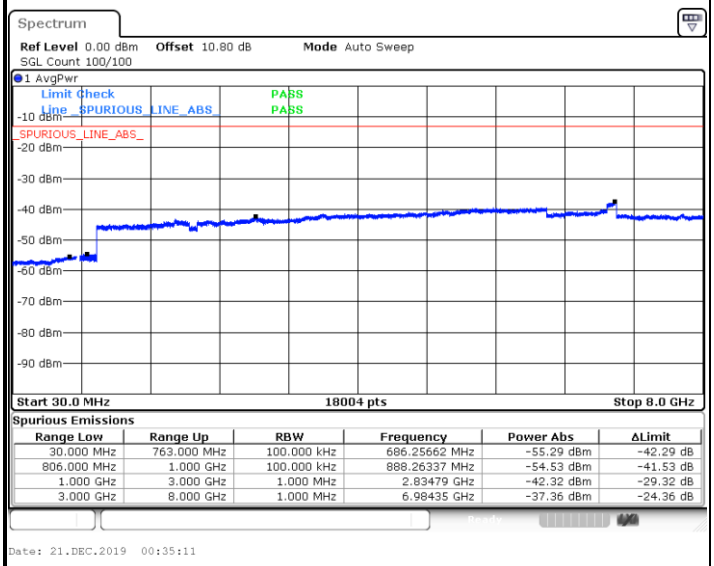


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	738.27361 MHz	-55.23 dBm	-42.23 dB
806.000 MHz	1.000 GHz	100.000 kHz	917.63968 MHz	-54.48 dBm	-41.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80180 GHz	-42.45 dBm	-29.45 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99835 GHz	-37.16 dBm	-24.16 dB

Date: 21.DEC.2019 00:15:33

LTE Band 13 / 10MHz	
Middle Channel / 64QAM	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	686.25662 MHz	-55.29 dBm	-42.29 dB
806.000 MHz	1.000 GHz	100.000 kHz	888.26337 MHz	-54.53 dBm	-41.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.83479 GHz	-42.32 dBm	-29.32 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.98435 GHz	-37.36 dBm	-24.36 dB

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0155	PASS
40	Normal Voltage	0.0102	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0182	
-30	Normal Voltage	0.0196	
20	Maximum Voltage	0.0202	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0105	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

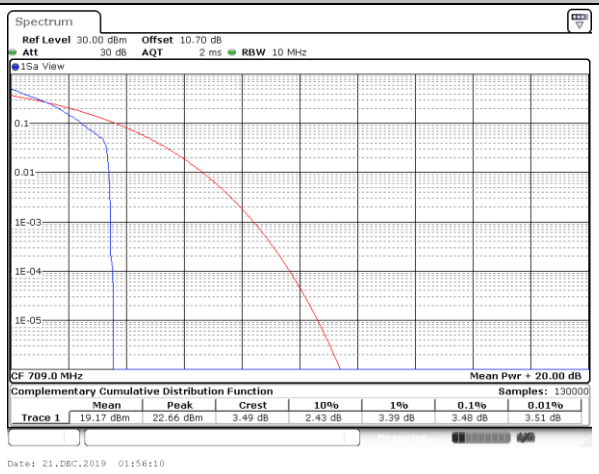
LTE Band 17

Peak-to-Average Ratio

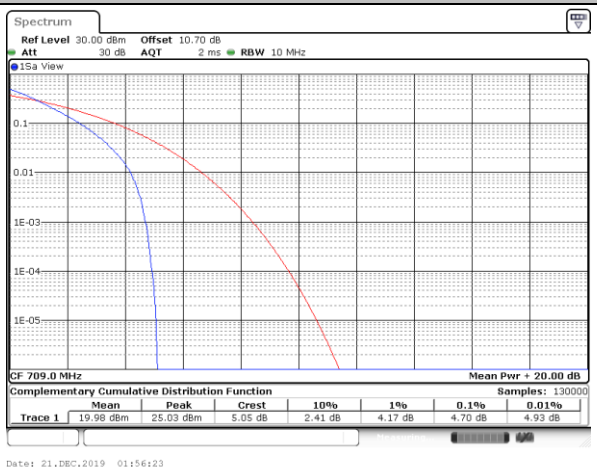
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.70	4.29	5.68	PASS
Middle CH	3.39	4.81	5.04	5.74	
Highest CH	3.65	4.81	4.64	5.88	
Mode	LTE Band 17 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.14	6.46	-	-	PASS
Middle CH	5.94	6.38	-	-	
Highest CH	5.94	6.52	-	-	

LTE Band 17 / 10MHz / QPSK

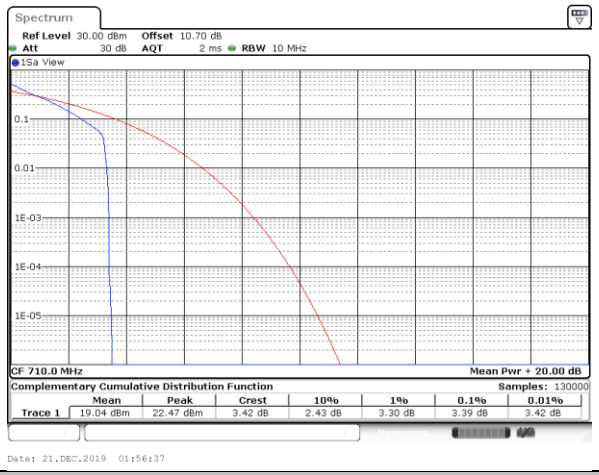
Lowest Channel / 1RB



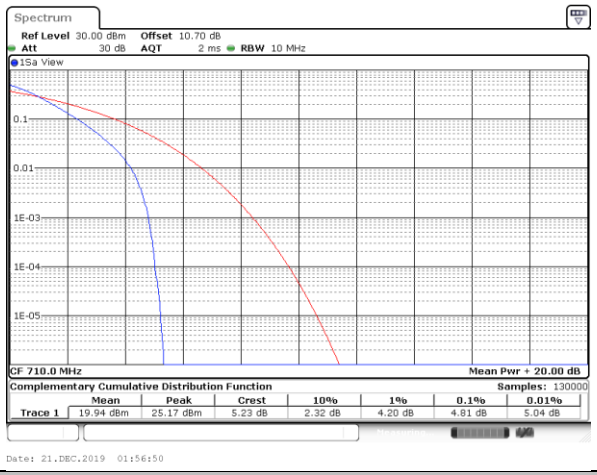
Lowest Channel / Full RB



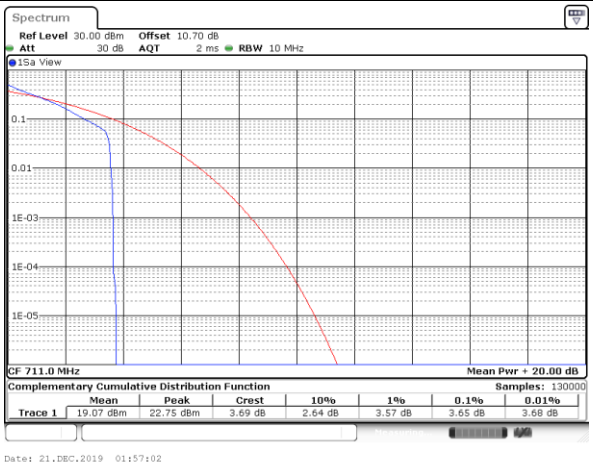
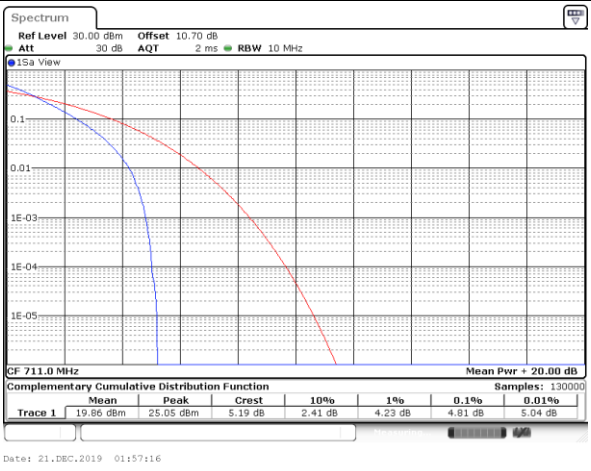
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB