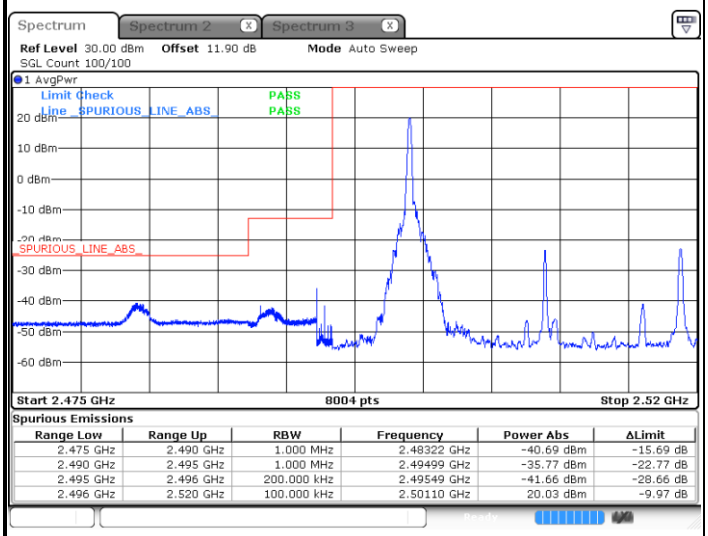
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

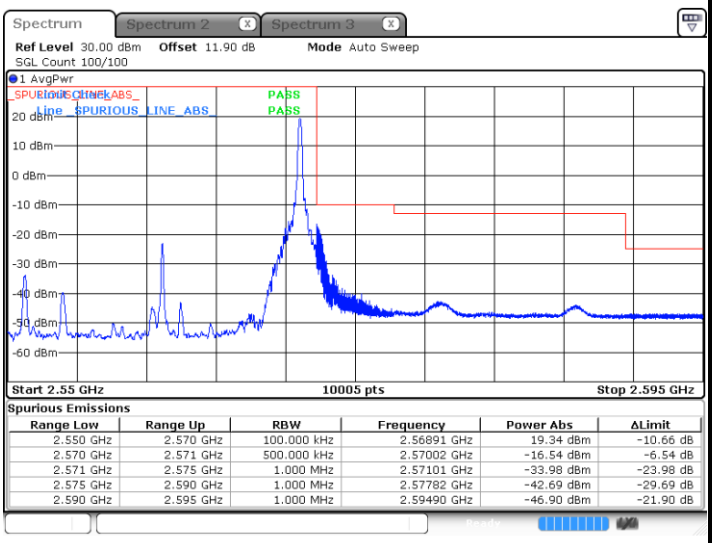


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48322 GHz	-40.69 dBm	-15.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-35.77 dBm	-22.77 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49549 GHz	-41.66 dBm	-28.66 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	20.03 dBm	-9.97 dB

Date: 2.AUG.2017 14:48:29

Highest Band Edge / 1RB

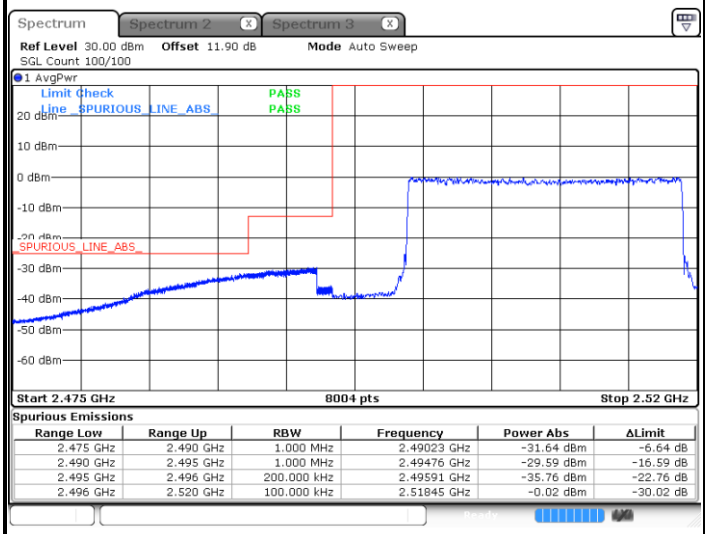


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	19.34 dBm	-10.66 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-16.54 dBm	-6.54 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-33.98 dBm	-23.98 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57782 GHz	-42.69 dBm	-29.69 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59490 GHz	-46.90 dBm	-21.90 dB

Date: 2.AUG.2017 14:58:00

Lowest Band Edge / Full RB

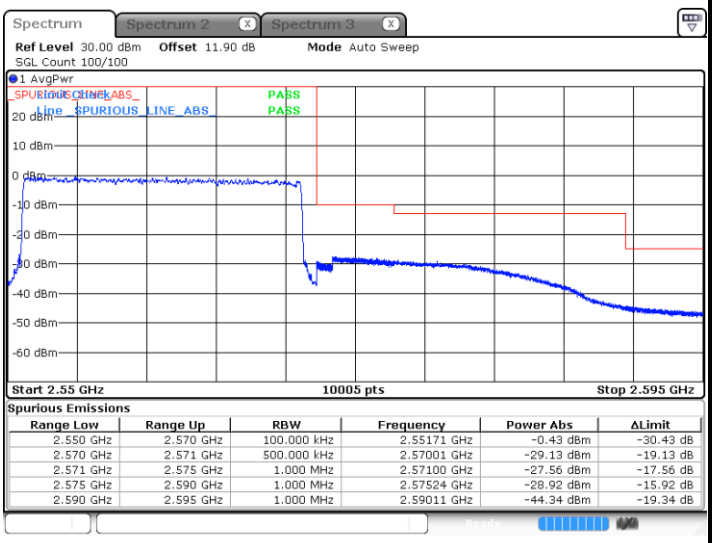


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-31.64 dBm	-6.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49476 GHz	-29.59 dBm	-16.59 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49591 GHz	-35.76 dBm	-22.76 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.51845 GHz	-0.02 dBm	-30.02 dB

Date: 2.AUG.2017 14:50:48

Highest Band Edge / Full RB



Spurious Emissions

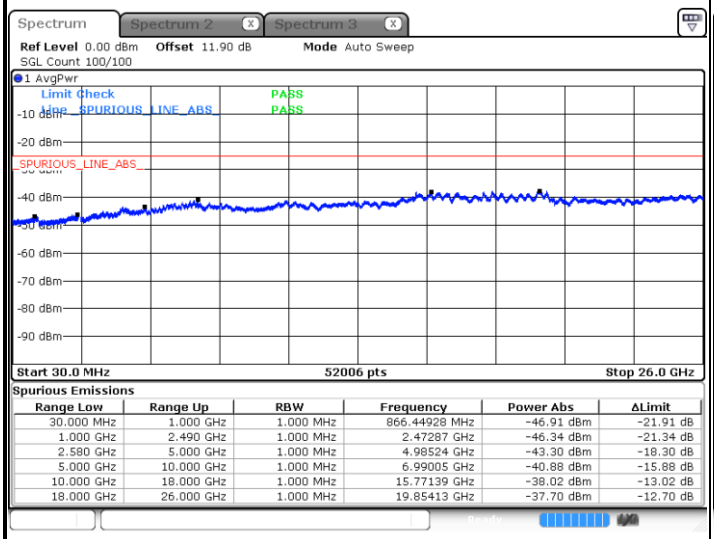
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55171 GHz	-0.43 dBm	-30.43 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-29.13 dBm	-19.13 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57100 GHz	-27.56 dBm	-17.56 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57524 GHz	-28.92 dBm	-15.92 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59011 GHz	-44.34 dBm	-19.34 dB

Date: 2.AUG.2017 14:59:10

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

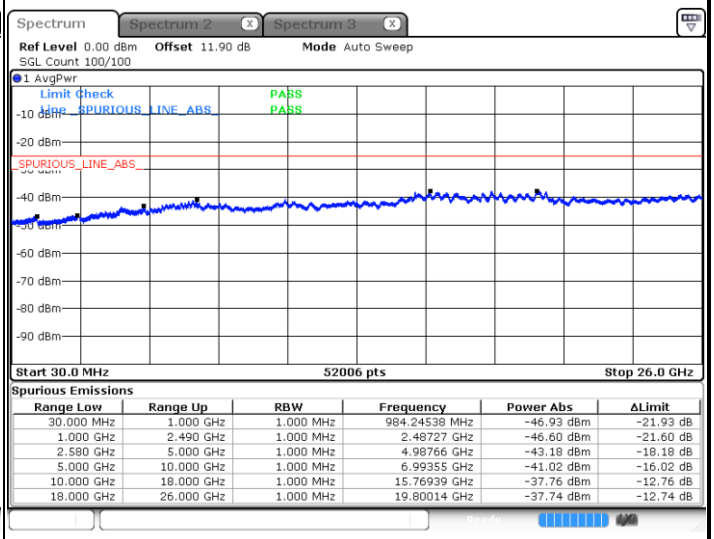


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	866.44928 MHz	-46.91 dBm	-21.91 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47287 GHz	-46.34 dBm	-21.34 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98524 GHz	-43.30 dBm	-18.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-40.88 dBm	-15.88 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77139 GHz	-38.02 dBm	-13.02 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85413 GHz	-37.70 dBm	-12.70 dB

Date: 2.AUG.2017 14:01:57

Lowest Channel / 16QAM

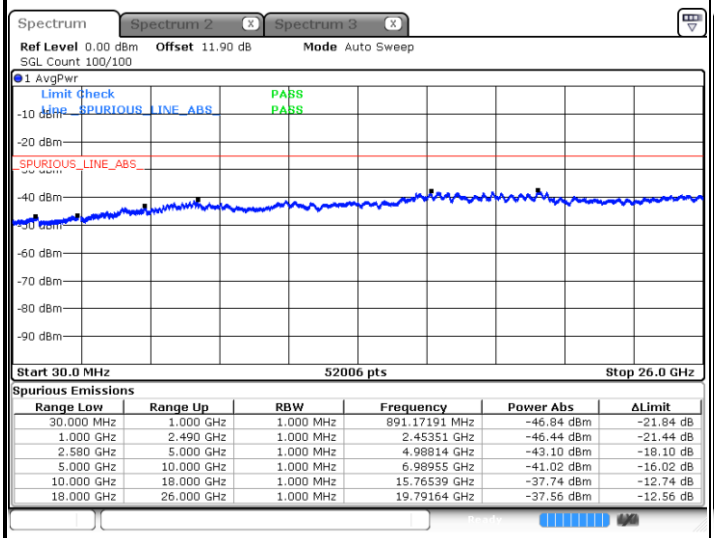


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-46.93 dBm	-21.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-46.60 dBm	-21.60 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98766 GHz	-43.18 dBm	-18.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-41.02 dBm	-16.02 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76939 GHz	-37.76 dBm	-12.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80014 GHz	-37.74 dBm	-12.74 dB

Date: 2.AUG.2017 14:02:50

Middle Channel / QPSK

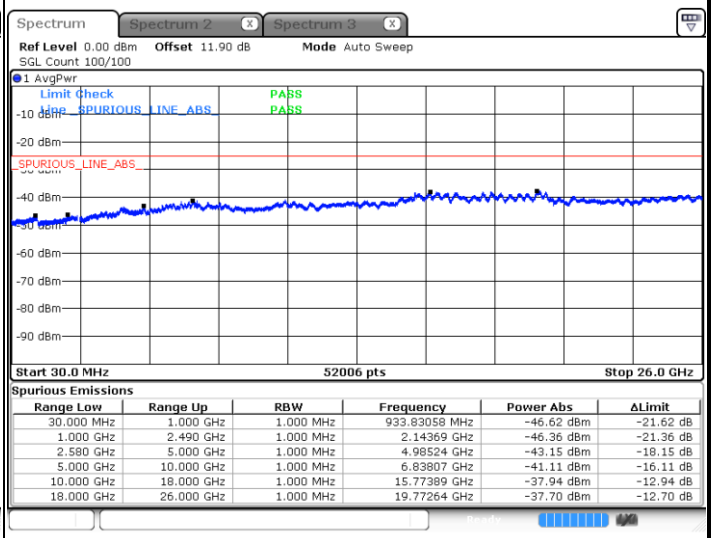


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	891.17191 MHz	-46.84 dBm	-21.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45351 GHz	-46.44 dBm	-21.44 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98814 GHz	-43.10 dBm	-18.10 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98955 GHz	-41.02 dBm	-16.02 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76539 GHz	-37.74 dBm	-12.74 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79164 GHz	-37.56 dBm	-12.56 dB

Date: 2.AUG.2017 14:04:24

Middle Channel / 16QAM



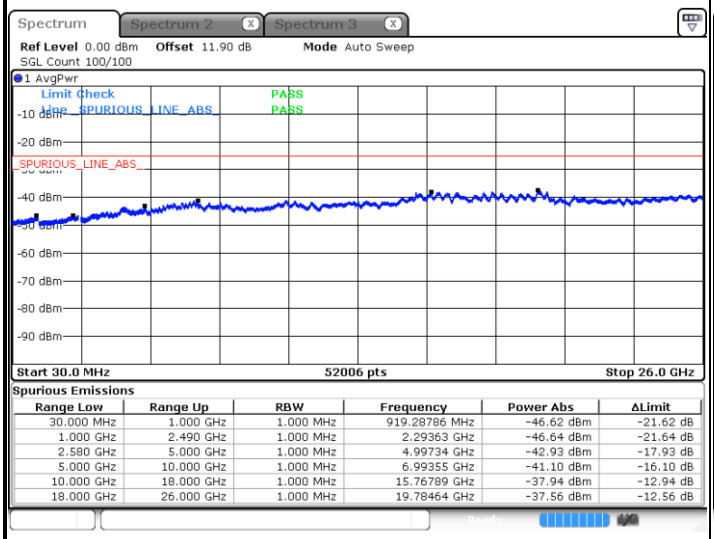
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-46.62 dBm	-21.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.14369 GHz	-46.36 dBm	-21.36 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98524 GHz	-43.15 dBm	-18.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.83807 GHz	-41.11 dBm	-16.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77389 GHz	-37.94 dBm	-12.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.77264 GHz	-37.70 dBm	-12.70 dB

Date: 2.AUG.2017 14:05:17

LTE Band 7 / 5MHz

Highest Channel / QPSK

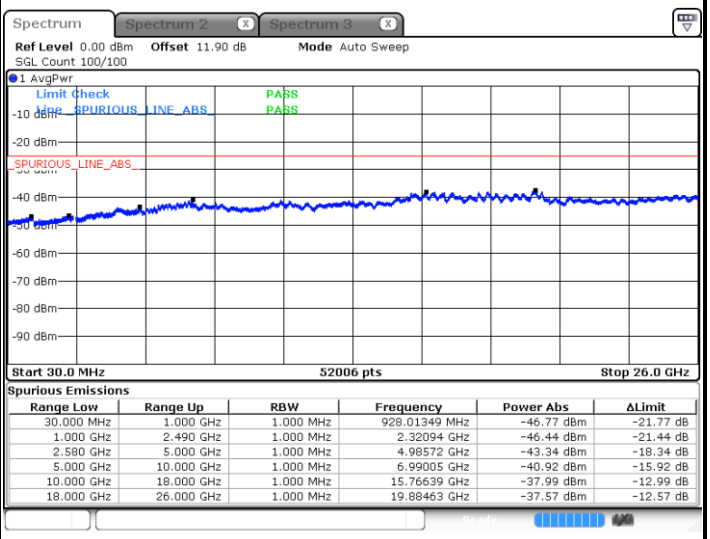


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-46.62 dBm	-21.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29363 GHz	-46.64 dBm	-21.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99734 GHz	-42.93 dBm	-17.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-41.10 dBm	-16.10 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76789 GHz	-37.94 dBm	-12.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78464 GHz	-37.56 dBm	-12.56 dB

Date: 2.AUG.2017 14:11:28

Highest Channel / 16QAM



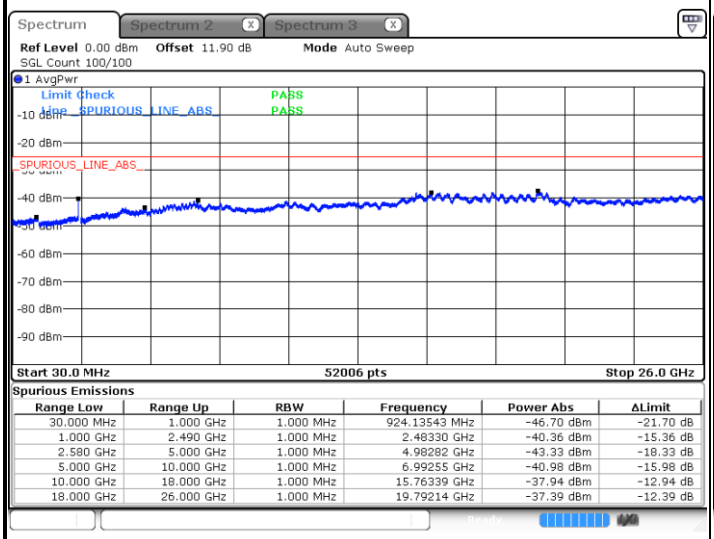
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-46.77 dBm	-21.77 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32094 GHz	-46.44 dBm	-21.44 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98572 GHz	-43.34 dBm	-18.34 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-40.92 dBm	-15.92 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76639 GHz	-37.99 dBm	-12.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88463 GHz	-37.57 dBm	-12.57 dB

Date: 2.AUG.2017 14:12:21

LTE Band 7 / 10MHz

Lowest Channel / QPSK

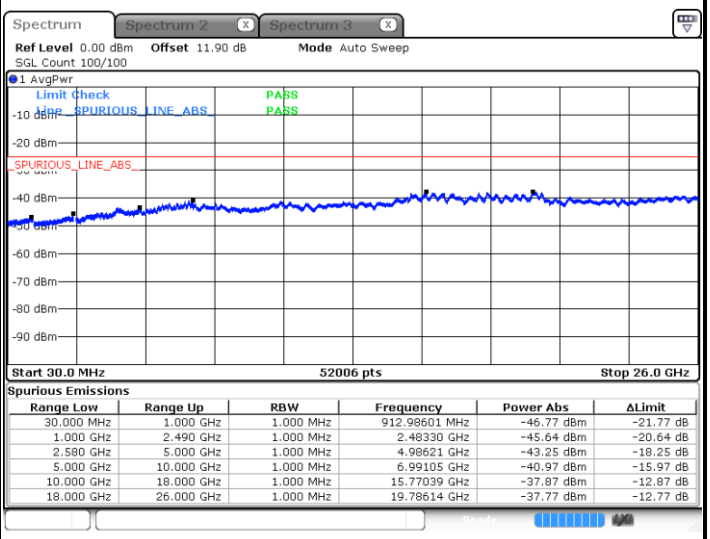


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.13543 MHz	-46.70 dBm	-21.70 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-40.36 dBm	-15.36 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98282 GHz	-43.33 dBm	-18.33 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99255 GHz	-40.98 dBm	-15.98 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76339 GHz	-37.94 dBm	-12.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79214 GHz	-37.39 dBm	-12.39 dB

Date: 2.AUG.2017 14:18:32

Lowest Channel / 16QAM



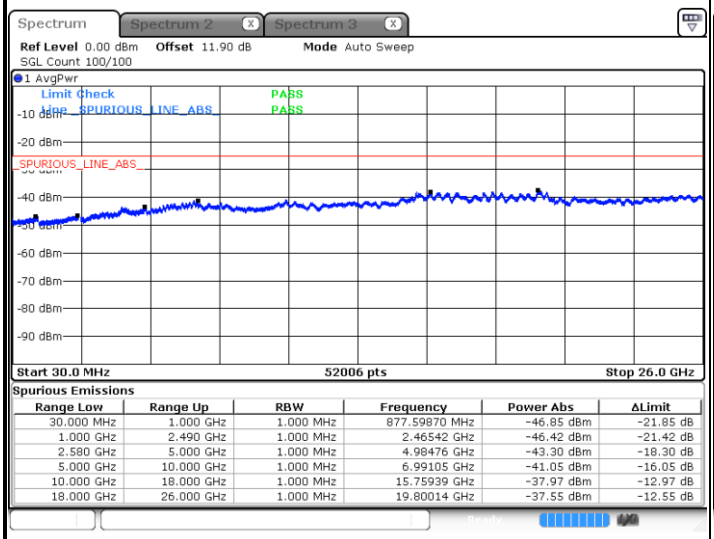
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-46.77 dBm	-21.77 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-45.64 dBm	-20.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98621 GHz	-43.25 dBm	-18.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-40.97 dBm	-15.97 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77039 GHz	-37.87 dBm	-12.87 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78614 GHz	-37.77 dBm	-12.77 dB

Date: 2.AUG.2017 14:19:25

LTE Band 7 / 10MHz

Middle Channel / QPSK

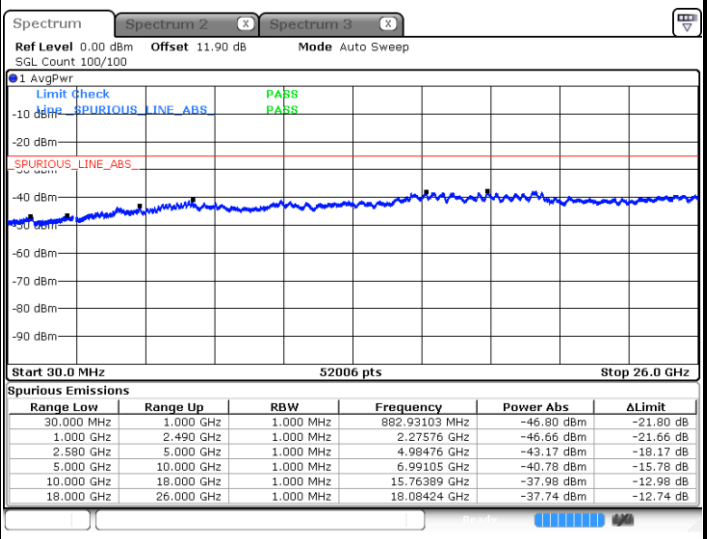


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-46.85 dBm	-21.85 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46542 GHz	-46.42 dBm	-21.42 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98476 GHz	-43.30 dBm	-18.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-41.05 dBm	-16.05 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.75939 GHz	-37.97 dBm	-12.97 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80014 GHz	-37.55 dBm	-12.55 dB

Date: 2.AUG.2017 14:20:58

Middle Channel / 16QAM

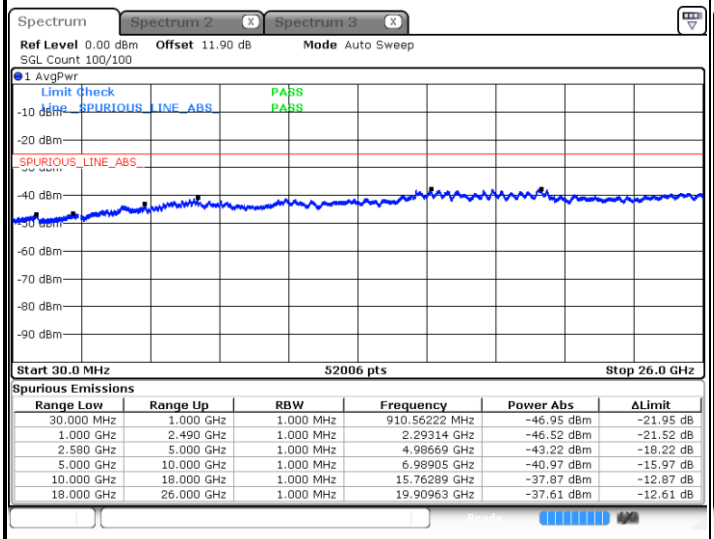


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.93103 MHz	-46.80 dBm	-21.80 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.27576 GHz	-46.66 dBm	-21.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98476 GHz	-43.17 dBm	-18.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-40.78 dBm	-15.78 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76389 GHz	-37.98 dBm	-12.98 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.08424 GHz	-37.74 dBm	-12.74 dB

Date: 2.AUG.2017 14:21:52

Highest Channel / QPSK

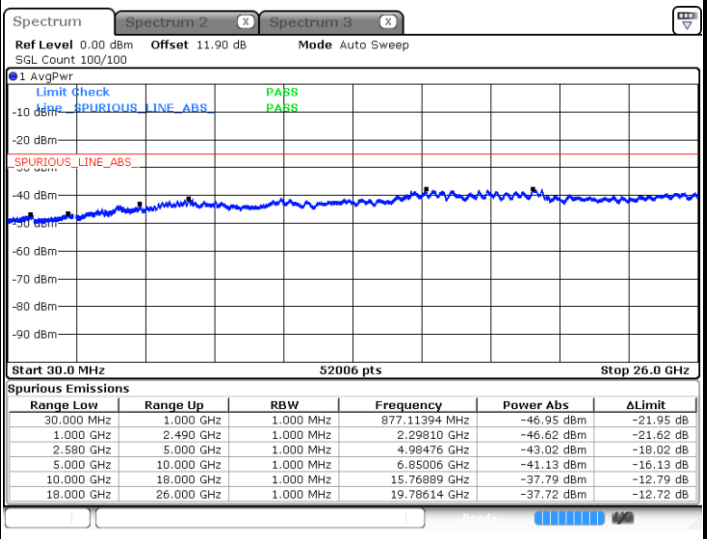


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.56222 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29314 GHz	-46.52 dBm	-21.52 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98669 GHz	-43.22 dBm	-18.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98905 GHz	-40.97 dBm	-15.97 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76289 GHz	-37.87 dBm	-12.87 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90963 GHz	-37.61 dBm	-12.61 dB

Date: 2.AUG.2017 14:28:03

Highest Channel / 16QAM



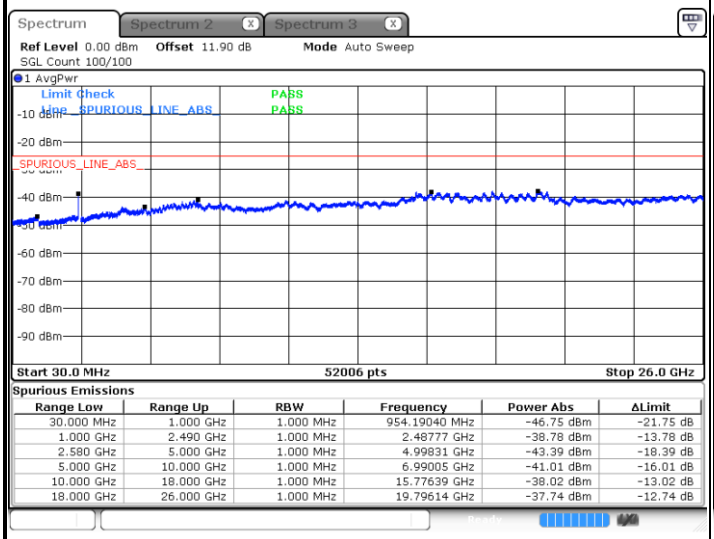
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.11394 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29810 GHz	-46.62 dBm	-21.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98476 GHz	-43.02 dBm	-18.02 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.85006 GHz	-41.13 dBm	-16.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76889 GHz	-37.79 dBm	-12.79 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78614 GHz	-37.72 dBm	-12.72 dB

Date: 2.AUG.2017 14:28:56

LTE Band 7 / 15MHz

Lowest Channel / QPSK

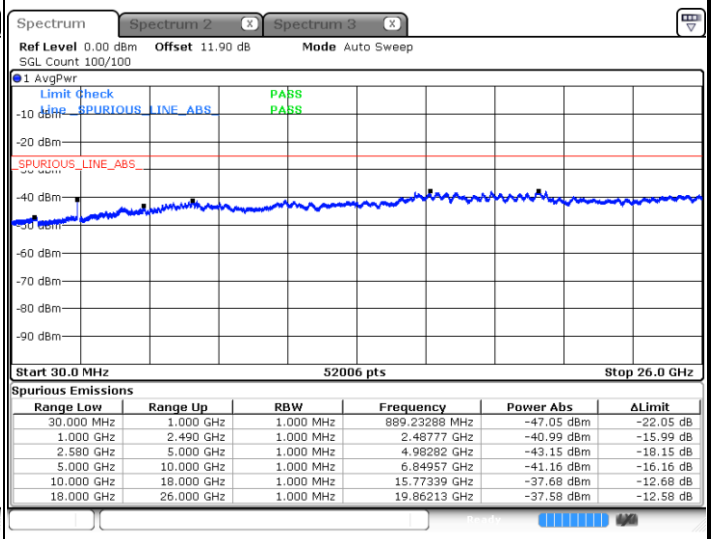


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-46.75 dBm	-21.75 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-38.78 dBm	-13.78 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99831 GHz	-43.39 dBm	-18.39 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-41.01 dBm	-16.01 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77639 GHz	-38.02 dBm	-13.02 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79614 GHz	-37.74 dBm	-12.74 dB

Date: 2.AUG.2017 14:35:07

Lowest Channel / 16QAM

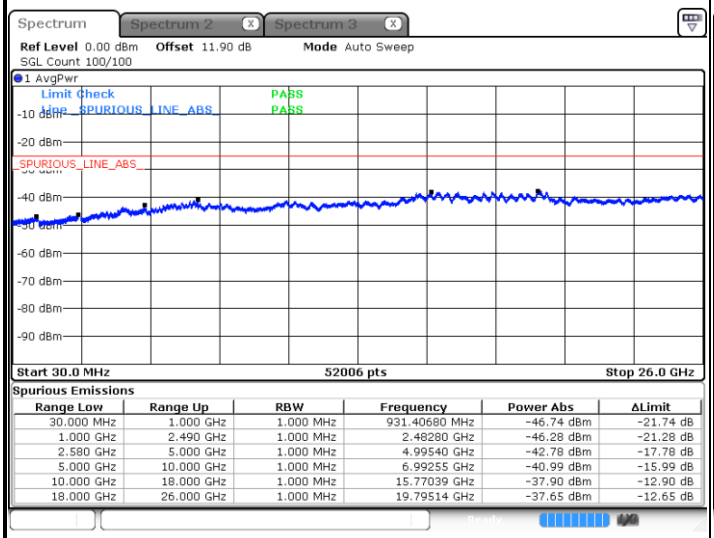


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-47.05 dBm	-22.05 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-40.99 dBm	-15.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98282 GHz	-43.15 dBm	-18.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.84957 GHz	-41.16 dBm	-16.16 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77339 GHz	-37.68 dBm	-12.68 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86213 GHz	-37.58 dBm	-12.58 dB

Date: 2.AUG.2017 14:36:00

Middle Channel / QPSK

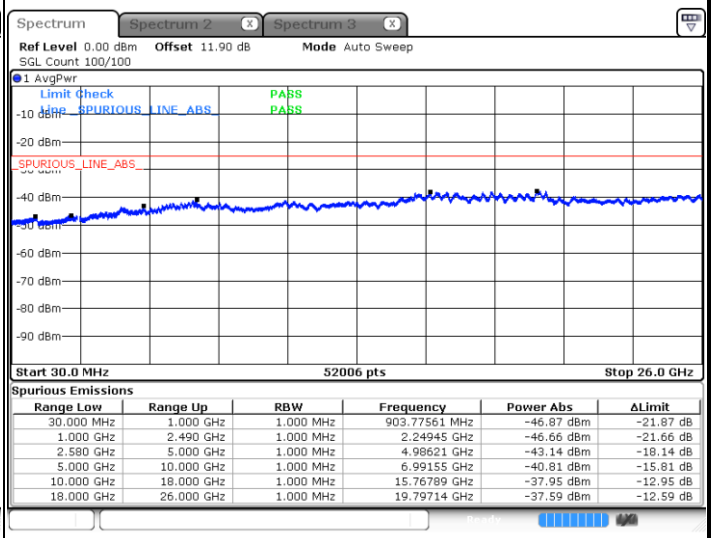


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.40680 MHz	-46.74 dBm	-21.74 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-46.28 dBm	-21.28 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99540 GHz	-42.78 dBm	-17.78 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99255 GHz	-40.99 dBm	-15.99 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77039 GHz	-37.90 dBm	-12.90 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79514 GHz	-37.65 dBm	-12.65 dB

Date: 2.AUG.2017 14:37:33

Middle Channel / 16QAM



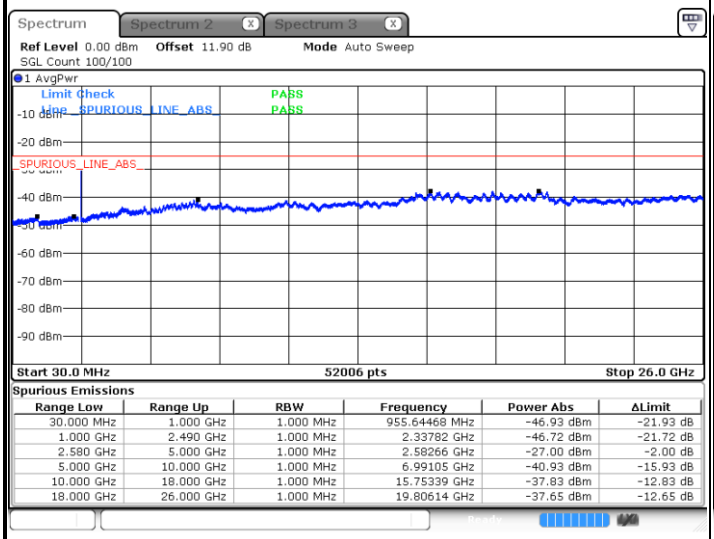
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-46.87 dBm	-21.87 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.24945 GHz	-46.66 dBm	-21.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98621 GHz	-43.14 dBm	-18.14 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99155 GHz	-40.81 dBm	-15.81 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76789 GHz	-37.95 dBm	-12.95 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79714 GHz	-37.59 dBm	-12.59 dB

Date: 2.AUG.2017 14:38:26

LTE Band7 / 15MHz

Highest Channel / QPSK

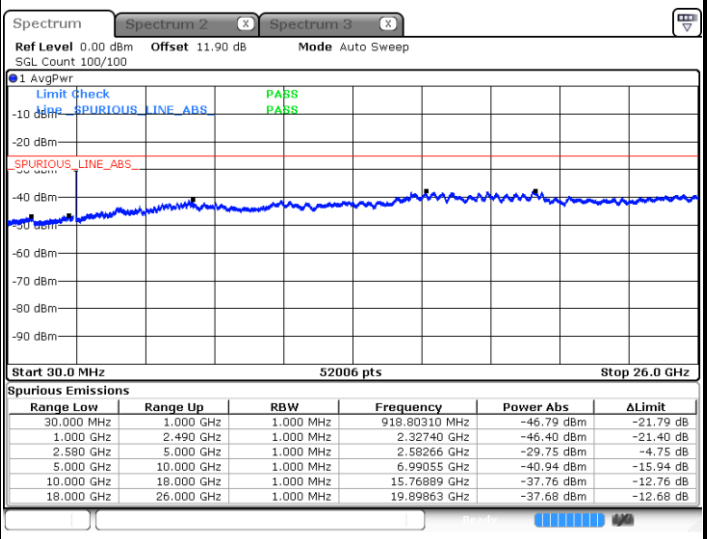


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-46.93 dBm	-21.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.33782 GHz	-46.72 dBm	-21.72 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-27.00 dBm	-2.00 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-40.93 dBm	-15.93 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.75339 GHz	-37.83 dBm	-12.83 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80614 GHz	-37.65 dBm	-12.65 dB

Date: 2.AUG.2017 14:44:38

Highest Channel / 16QAM



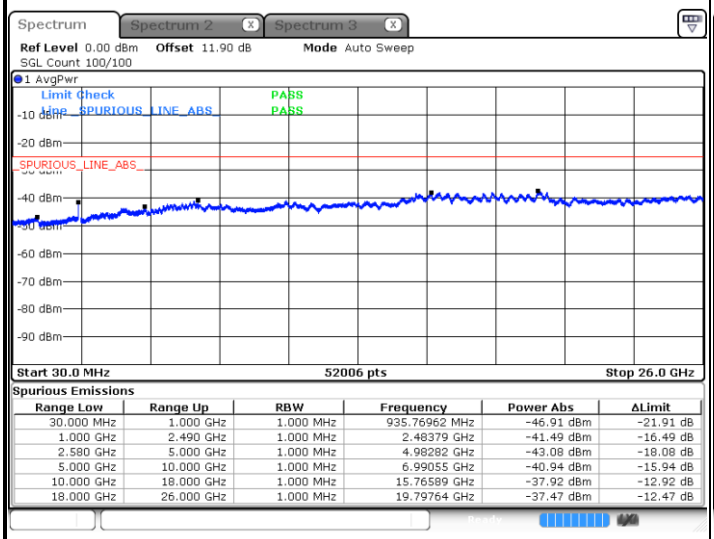
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.80310 MHz	-46.79 dBm	-21.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32740 GHz	-46.40 dBm	-21.40 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-29.75 dBm	-4.75 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-40.94 dBm	-15.94 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76889 GHz	-37.76 dBm	-12.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.89863 GHz	-37.68 dBm	-12.68 dB

Date: 2.AUG.2017 14:45:31

LTE Band 7 / 20MHz

Lowest Channel / QPSK

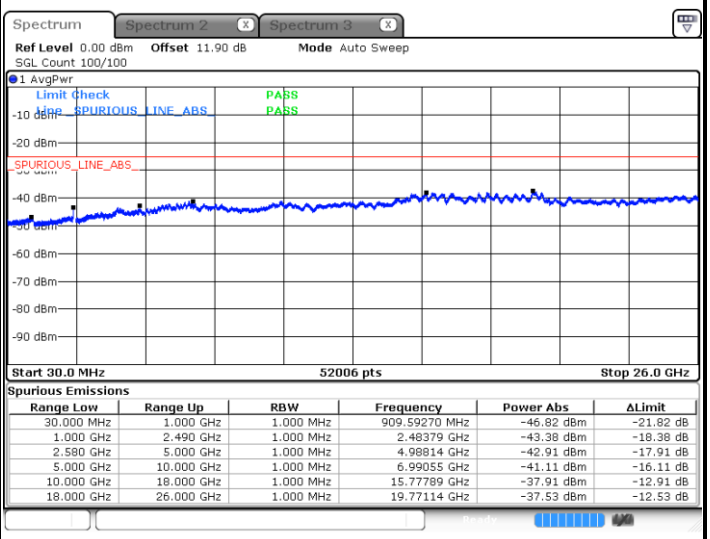


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-46.91 dBm	-21.91 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-41.49 dBm	-16.49 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98282 GHz	-43.08 dBm	-18.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-40.94 dBm	-15.94 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76589 GHz	-37.92 dBm	-12.92 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79764 GHz	-37.47 dBm	-12.47 dB

Date: 2.AUG.2017 14:51:42

Lowest Channel / 16QAM



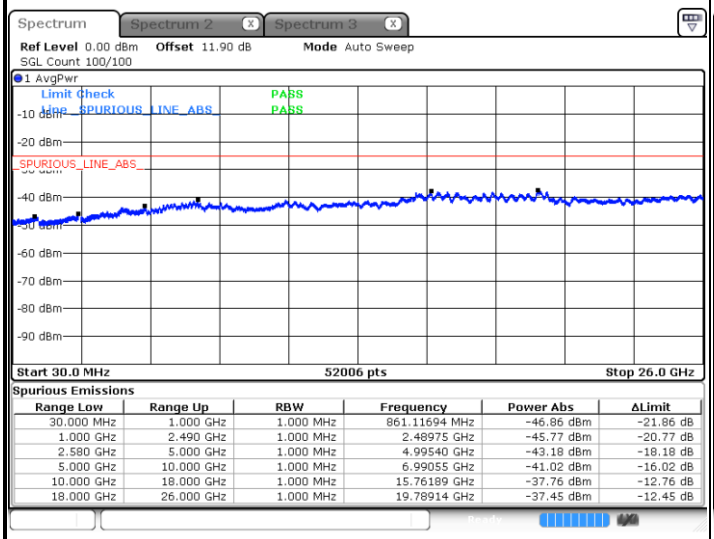
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-46.82 dBm	-21.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-43.38 dBm	-18.38 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98814 GHz	-42.91 dBm	-17.91 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-41.11 dBm	-16.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77789 GHz	-37.91 dBm	-12.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.77114 GHz	-37.53 dBm	-12.53 dB

Date: 2.AUG.2017 14:52:35

LTE Band 7 / 20MHz

Middle Channel / QPSK

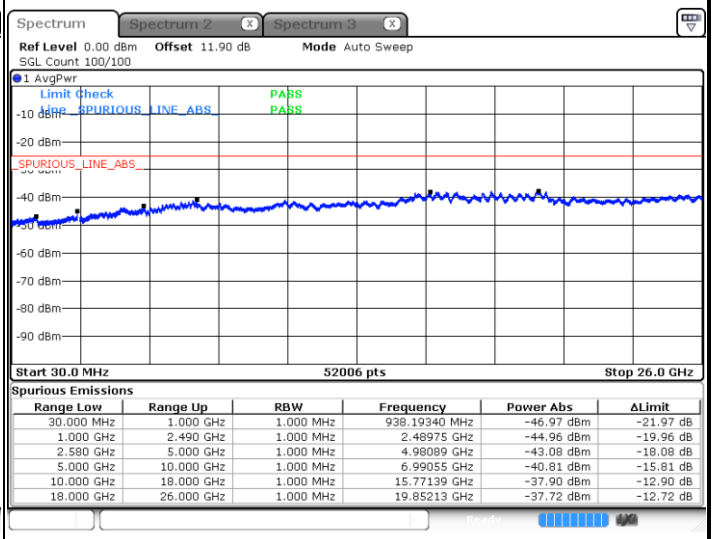


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-46.86 dBm	-21.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-45.77 dBm	-20.77 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99540 GHz	-43.18 dBm	-18.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-41.02 dBm	-16.02 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76189 GHz	-37.76 dBm	-12.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78914 GHz	-37.45 dBm	-12.45 dB

Date: 2.AUG.2017 14:54:08

Middle Channel / 16QAM

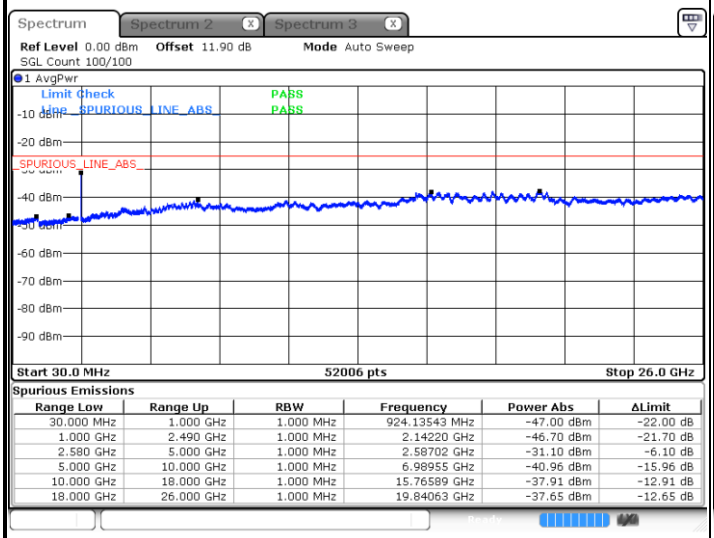


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-46.97 dBm	-21.97 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-44.96 dBm	-19.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98089 GHz	-43.08 dBm	-18.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-40.81 dBm	-15.81 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77139 GHz	-37.90 dBm	-12.90 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85213 GHz	-37.72 dBm	-12.72 dB

Date: 2.AUG.2017 14:55:01

Highest Channel / QPSK

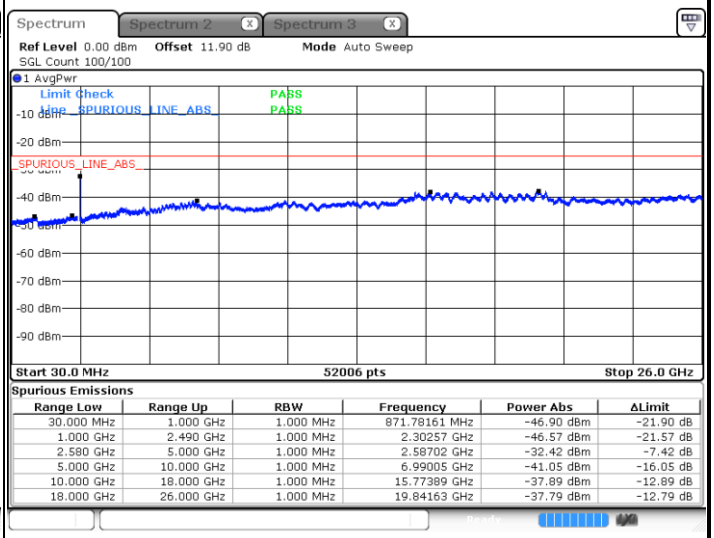


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.13543 MHz	-47.00 dBm	-22.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.14220 GHz	-46.70 dBm	-21.70 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-31.10 dBm	-6.10 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98955 GHz	-40.96 dBm	-15.96 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76589 GHz	-37.91 dBm	-12.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84063 GHz	-37.65 dBm	-12.65 dB

Date: 2.AUG.2017 15:01:13

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-46.90 dBm	-21.90 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30257 GHz	-46.57 dBm	-21.57 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-32.42 dBm	-7.42 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-41.05 dBm	-16.05 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77389 GHz	-37.89 dBm	-12.89 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84163 GHz	-37.79 dBm	-12.79 dB

Date: 2.AUG.2017 15:02:06

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0091	PASS
40	Normal Voltage	0.0088	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0096	
0	Normal Voltage	0.0092	
-10	Normal Voltage	0.0092	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =4.0 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

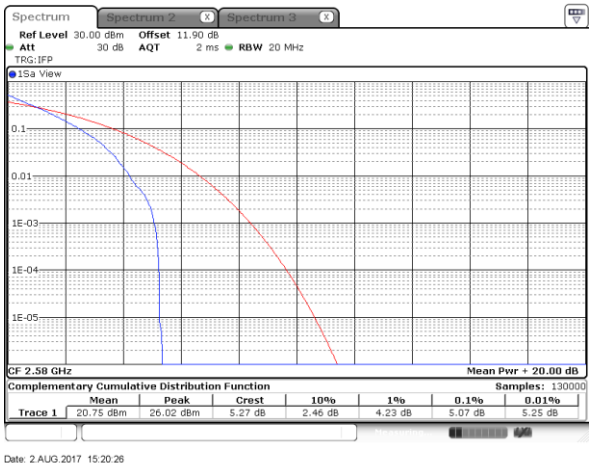
LTE Band 38

Peak-to-Average Ratio

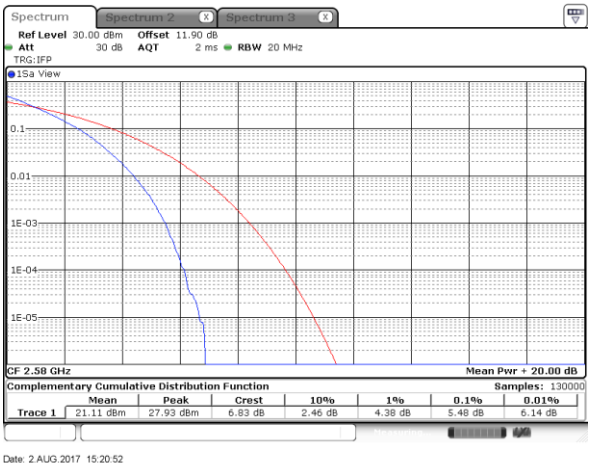
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.07	5.48	6.29	6.32	PASS
Middle CH	4.99	5.42	6.2	6.2	
Highest CH	5.22	5.42	6.09	6.26	

LTE Band 38 / 20MHz / QPSK

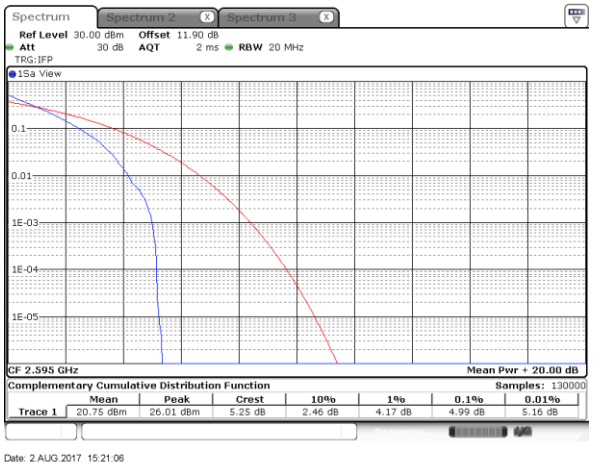
Lowest Channel / 1RB



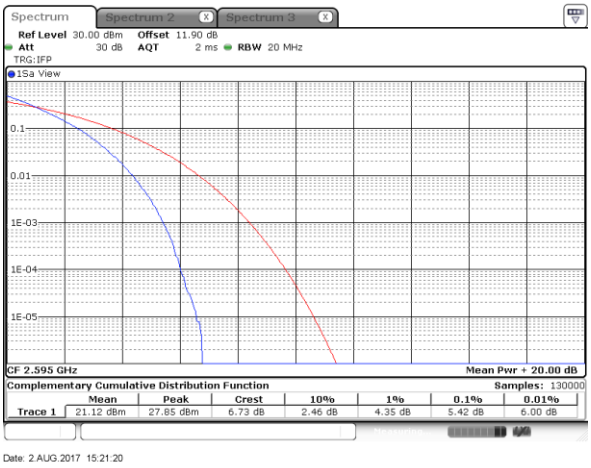
Lowest Channel / Full RB



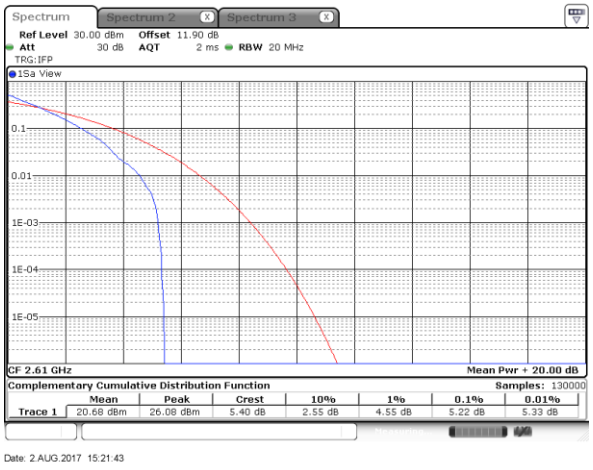
Middle Channel / 1RB



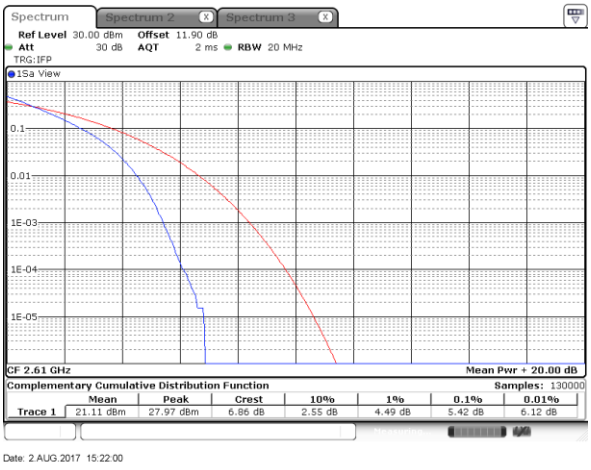
Middle Channel / Full RB



Highest Channel / 1RB

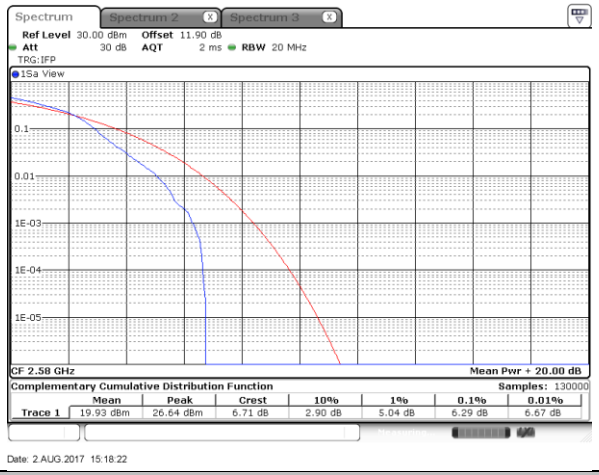


Highest Channel / Full RB

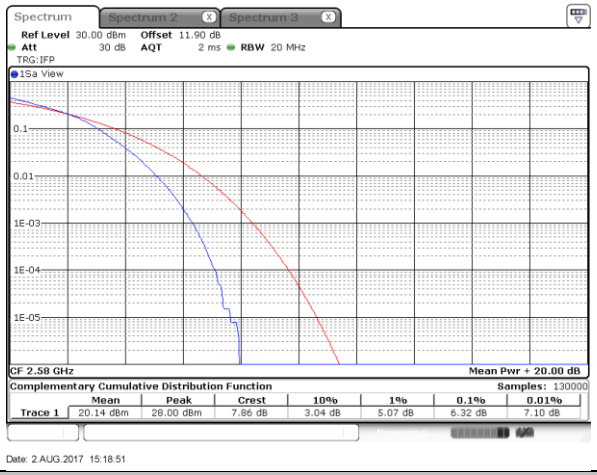


LTE Band 38 / 20MHz / 16QAM

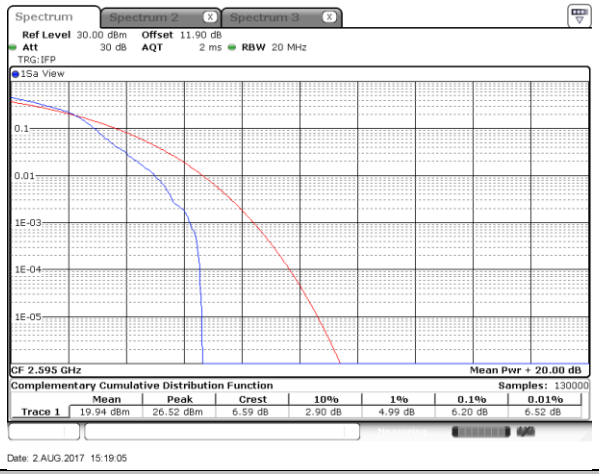
Lowest Channel / 1RB



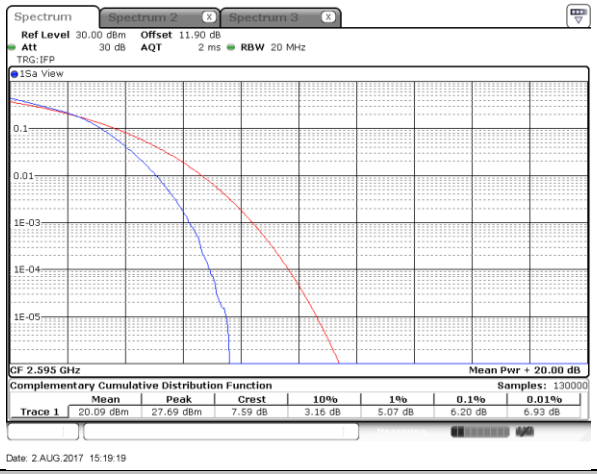
Lowest Channel / Full RB



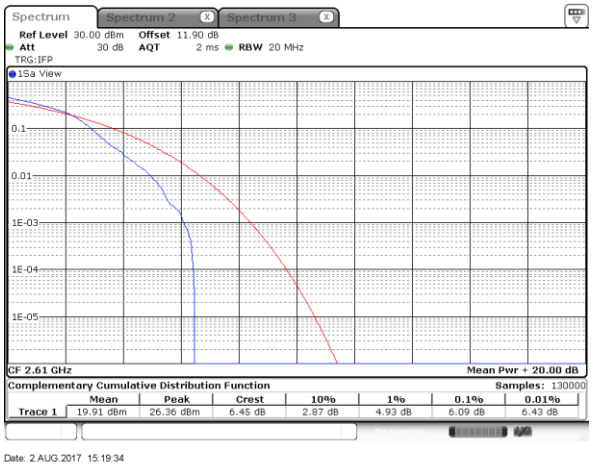
Middle Channel / 1RB



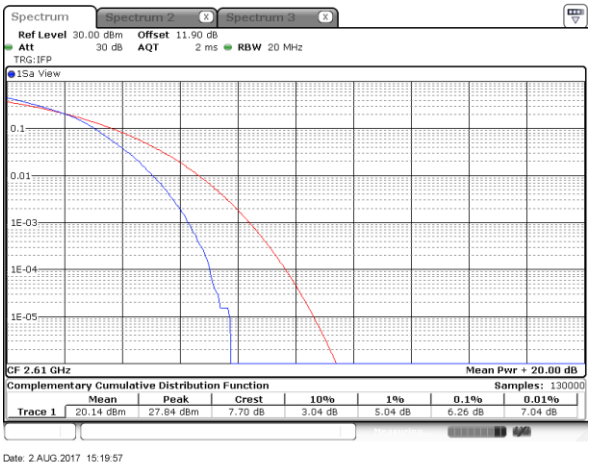
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

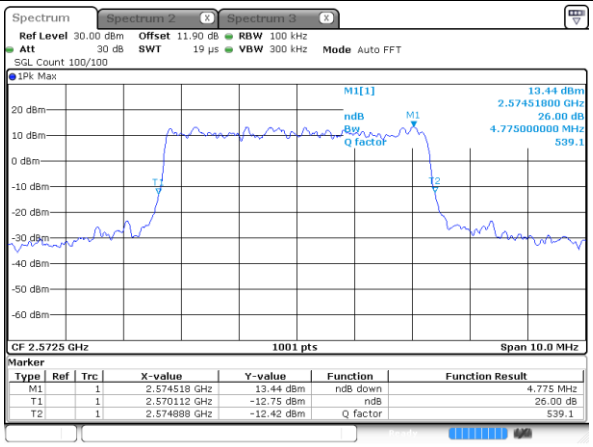


26dB Bandwidth

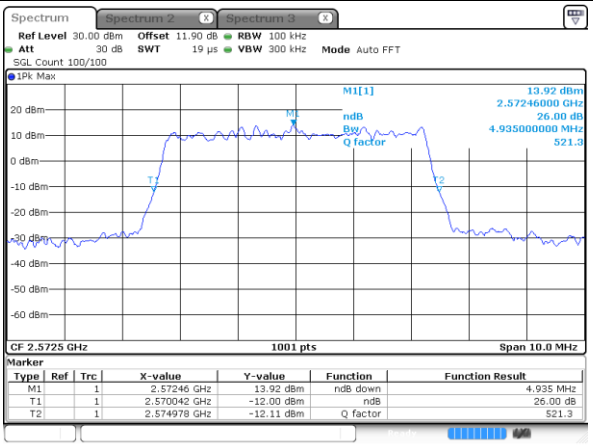
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.78	4.94	9.87	9.79	14.15	14.36	20.06	20.18
Middle CH	-	-	-	-	5.01	4.86	9.77	9.69	14.09	14.33	20.06	20.10
Highest CH	-	-	-	-	4.86	4.92	9.59	9.69	14.57	14.81	20.30	20.22

LTE Band 38

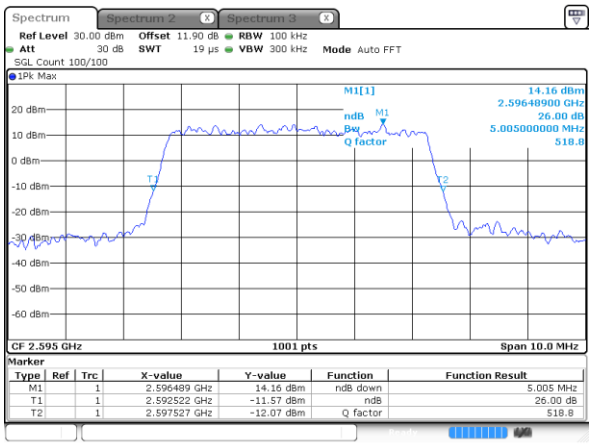
Lowest Channel / 5MHz / QPSK



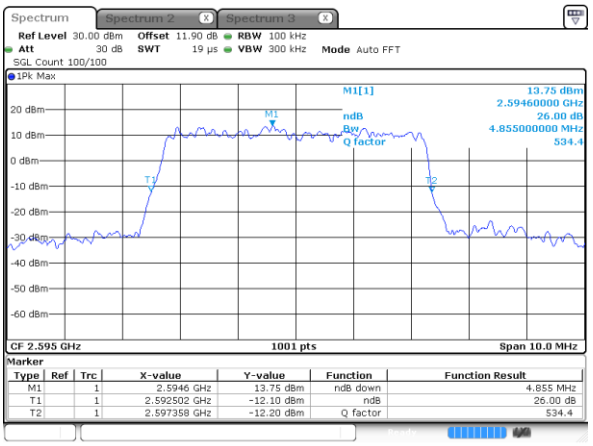
Lowest Channel / 5MHz / 16QAM



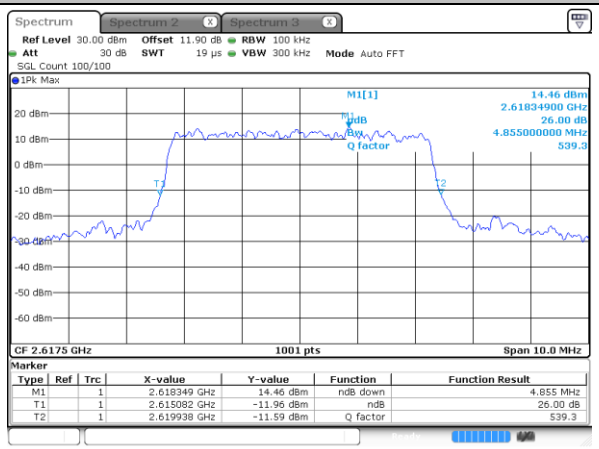
Middle Channel / 5MHz / QPSK



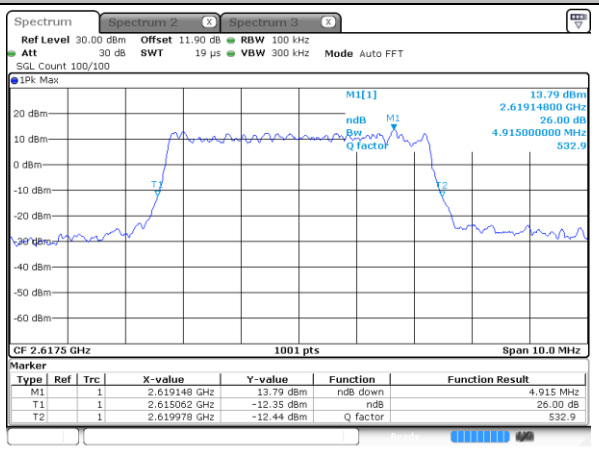
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

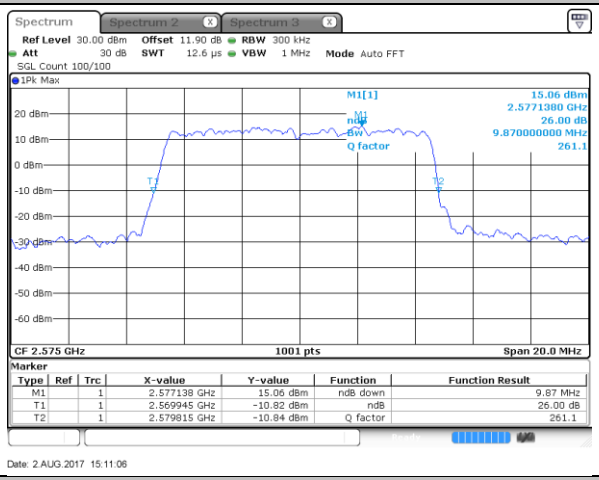


Highest Channel / 5MHz / 16QAM

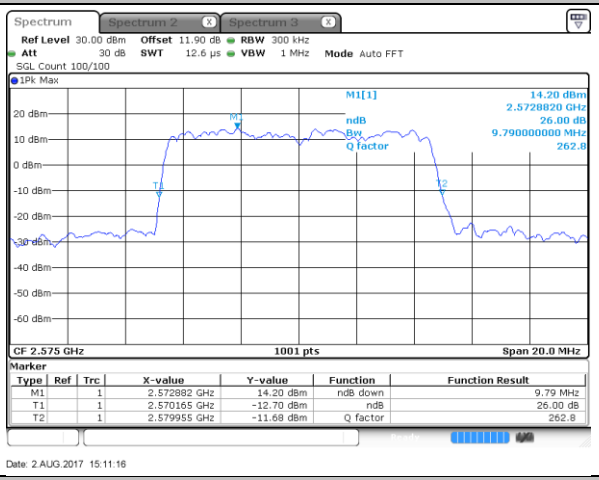


LTE Band 38

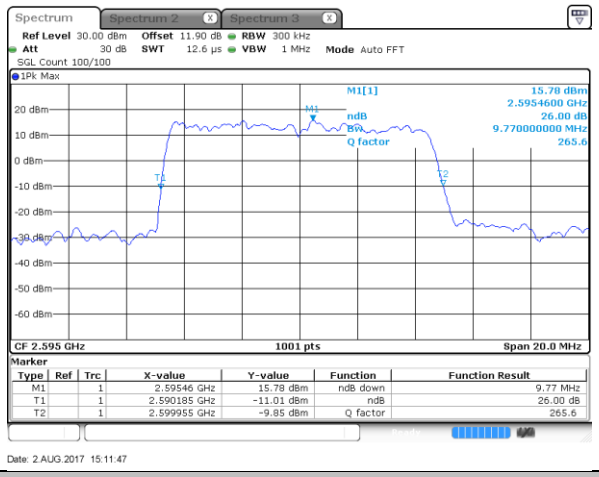
Lowest Channel / 10MHz / QPSK



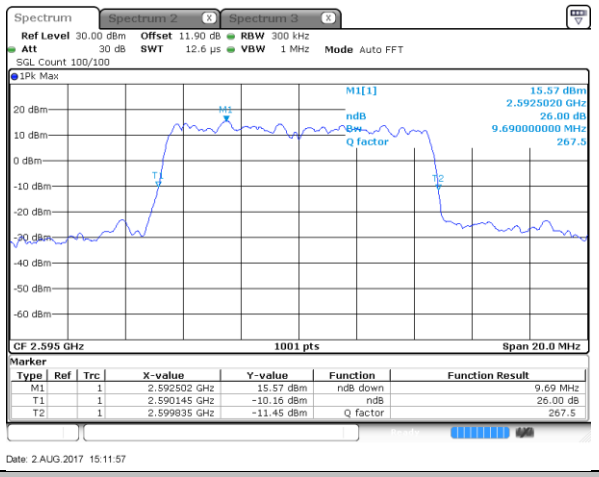
Lowest Channel / 10MHz / 16QAM



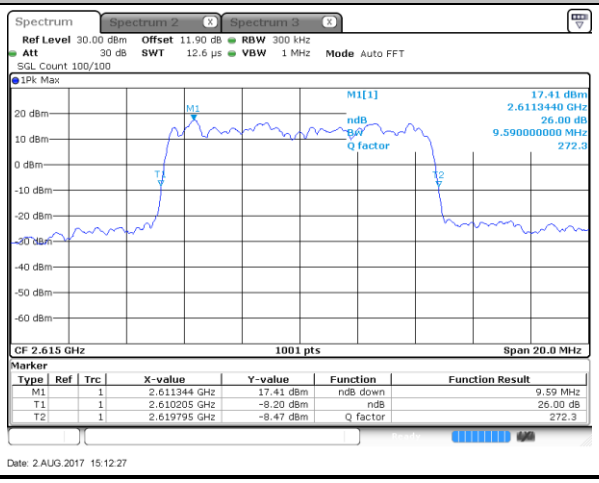
Middle Channel / 10MHz / QPSK



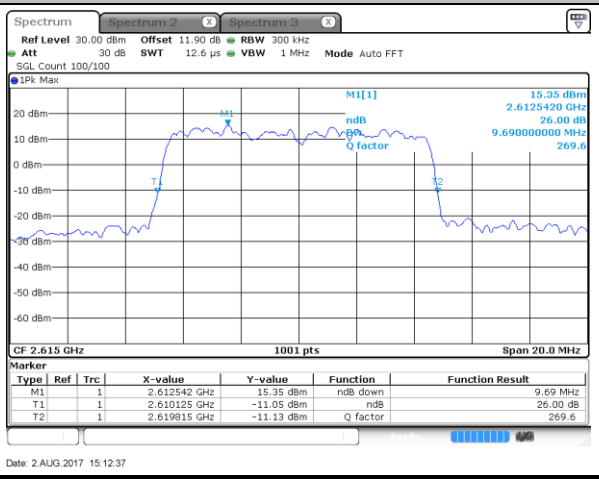
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

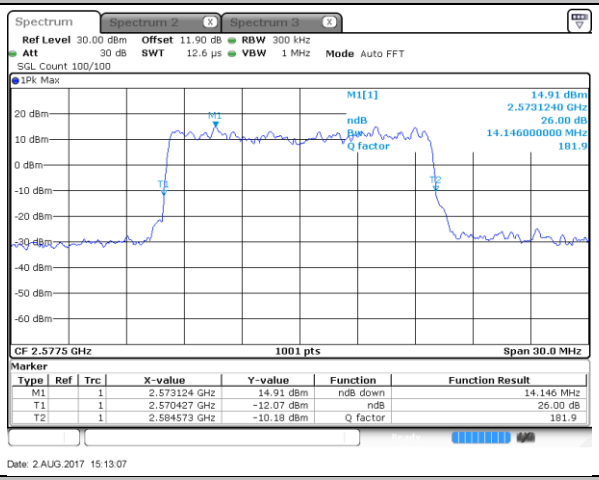


Highest Channel / 10MHz / 16QAM

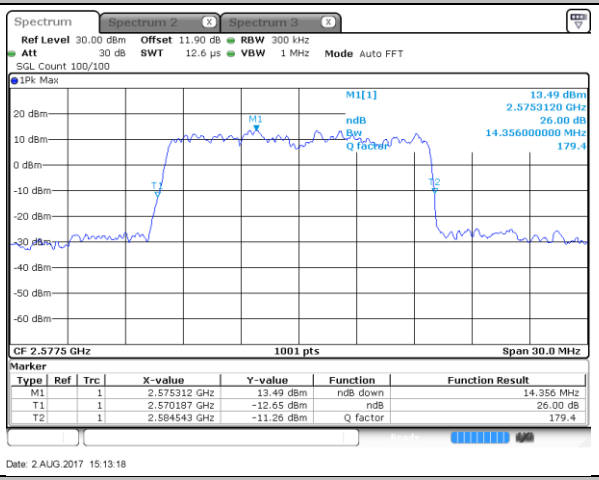


LTE Band 38

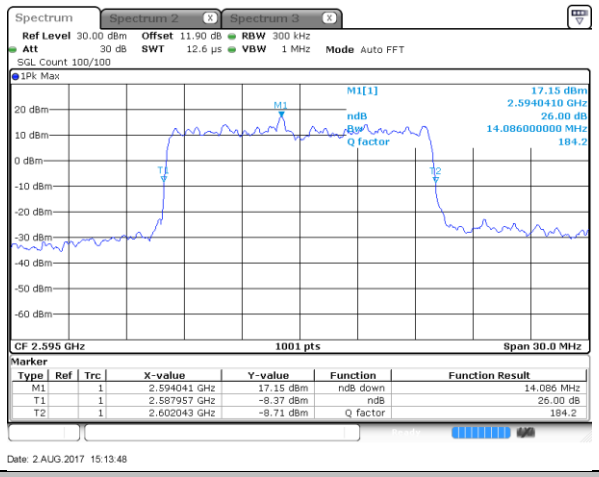
Lowest Channel / 15MHz / QPSK



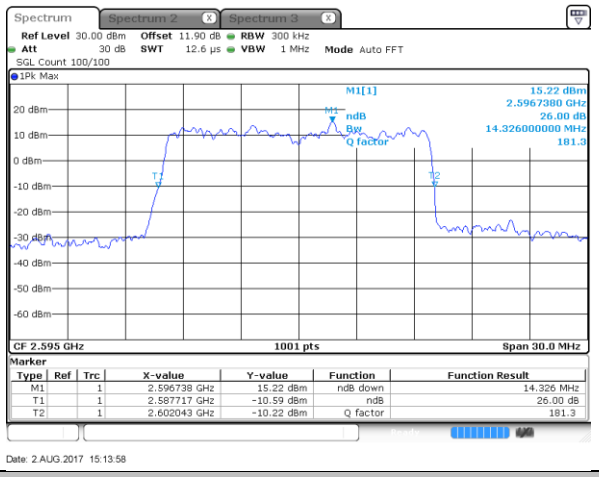
Lowest Channel / 15MHz / 16QAM



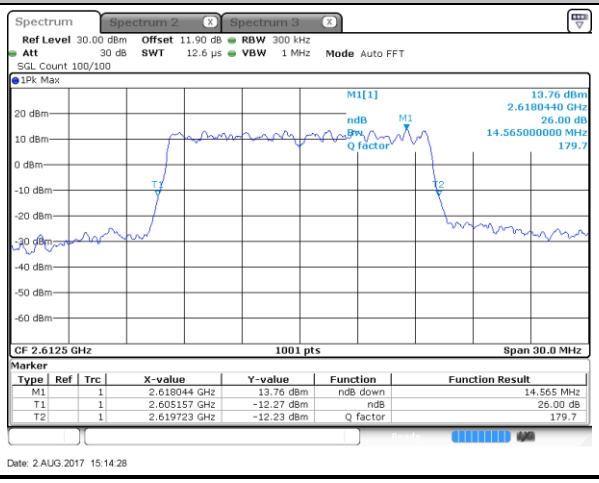
Middle Channel / 15MHz / QPSK



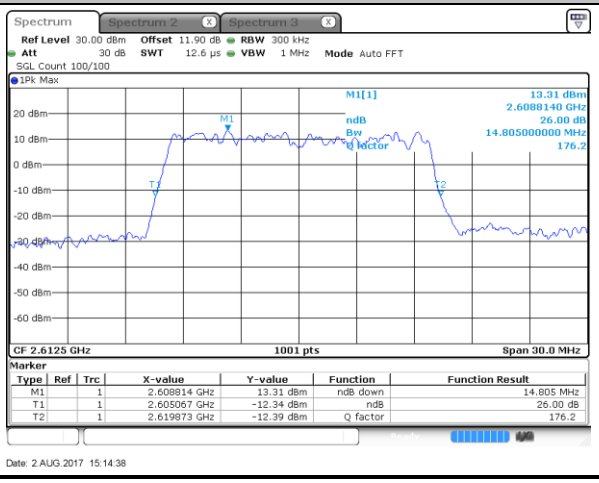
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

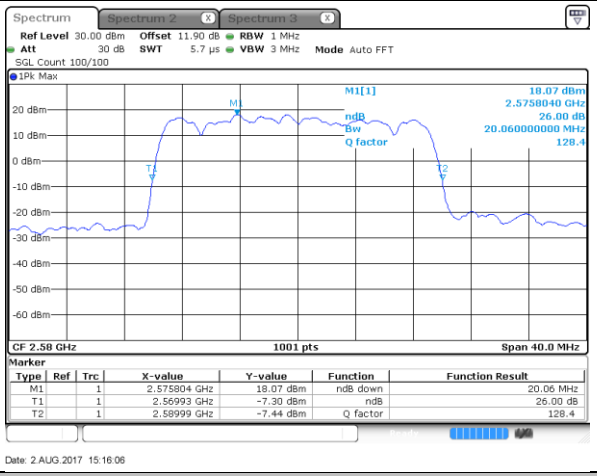


Highest Channel / 15MHz / 16QAM

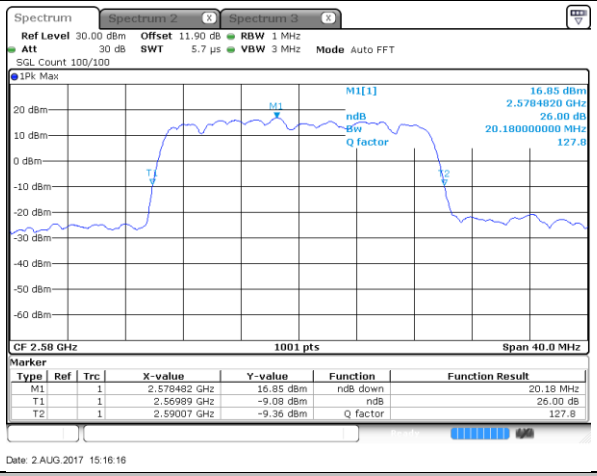


LTE Band 38

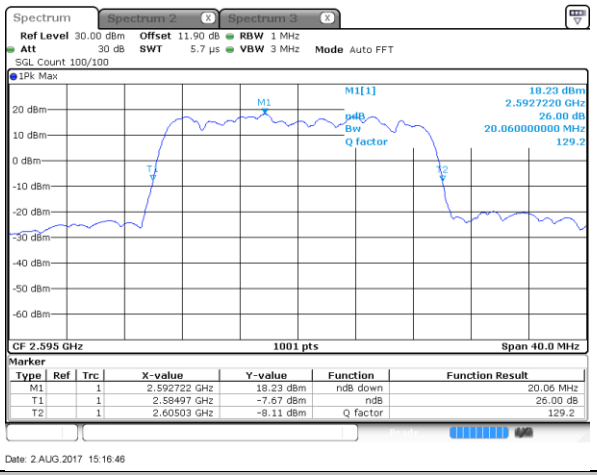
Lowest Channel / 20MHz / QPSK



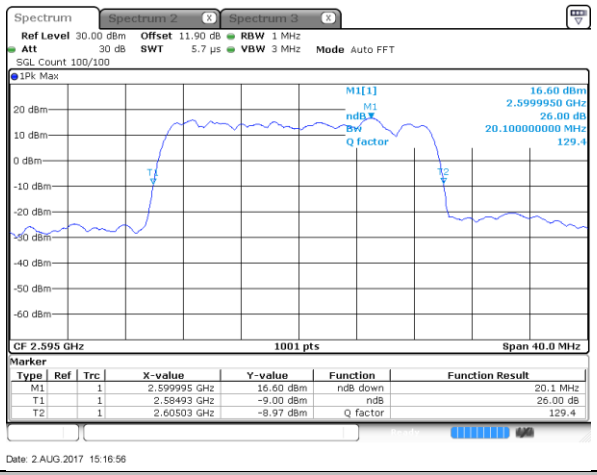
Lowest Channel / 20MHz / 16QAM



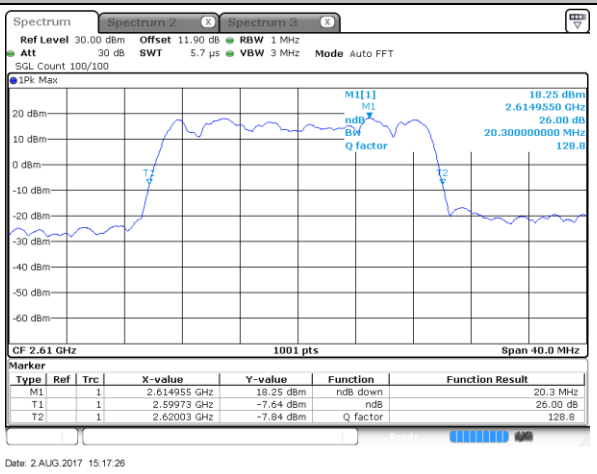
Middle Channel / 20MHz / QPSK



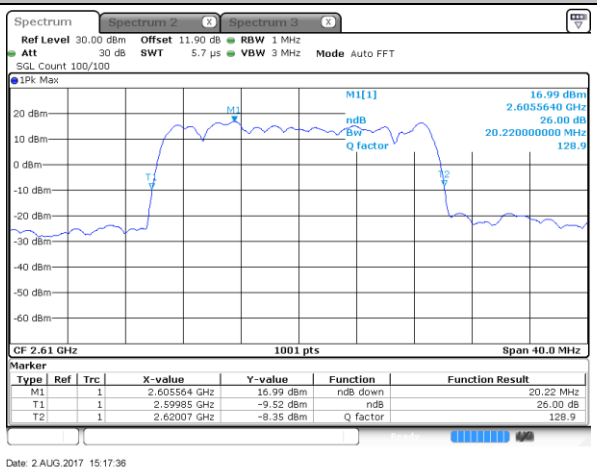
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

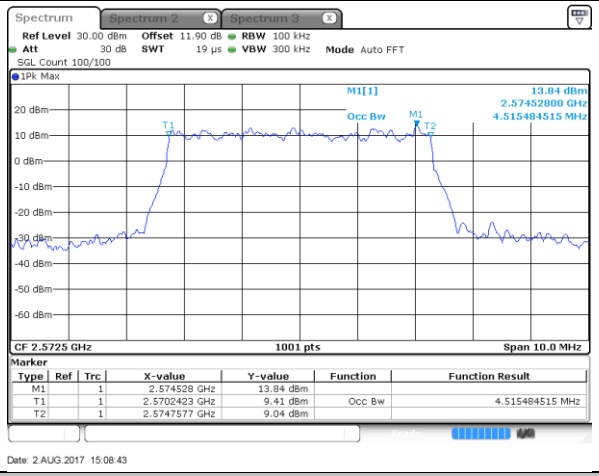


Occupied Bandwidth

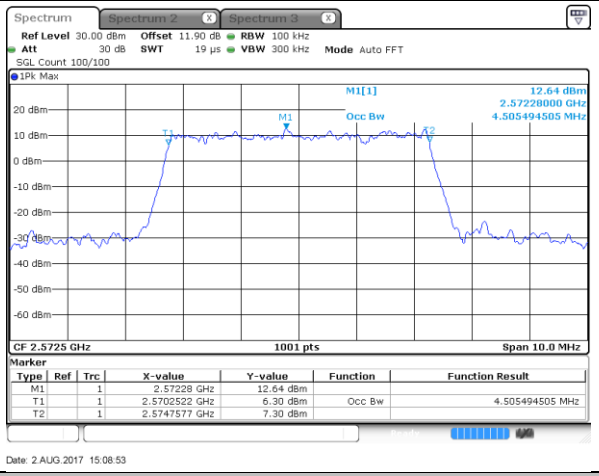
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.52	4.51	9.01	9.05	13.49	13.43	18.46	18.38
Middle CH	-	-	-	-	4.53	4.56	9.07	9.05	13.43	13.43	18.26	18.46
Highest CH	-	-	-	-	4.55	4.47	8.97	9.05	13.46	13.46	18.54	18.62

LTE Band 38

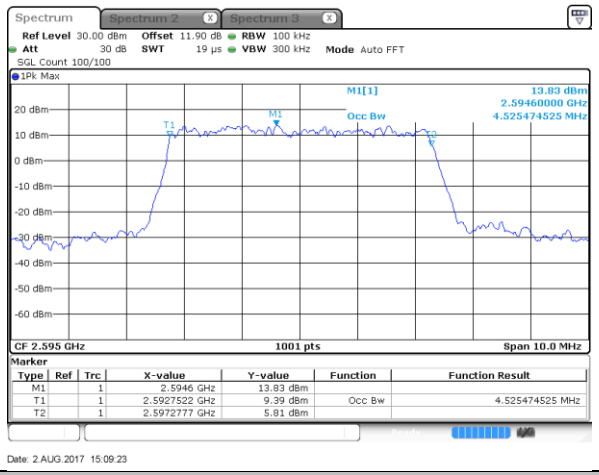
Lowest Channel / 5MHz / QPSK



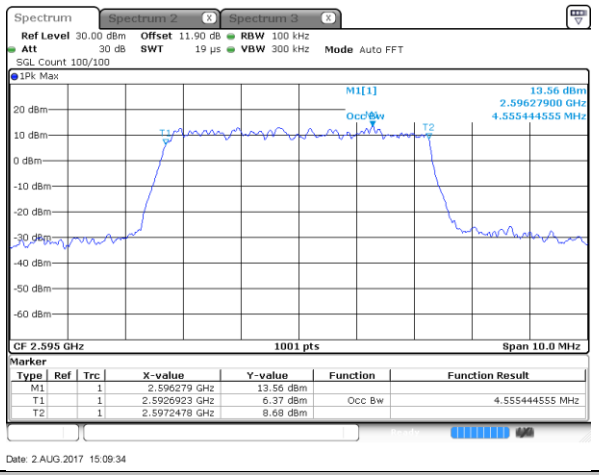
Lowest Channel / 5MHz / 16QAM



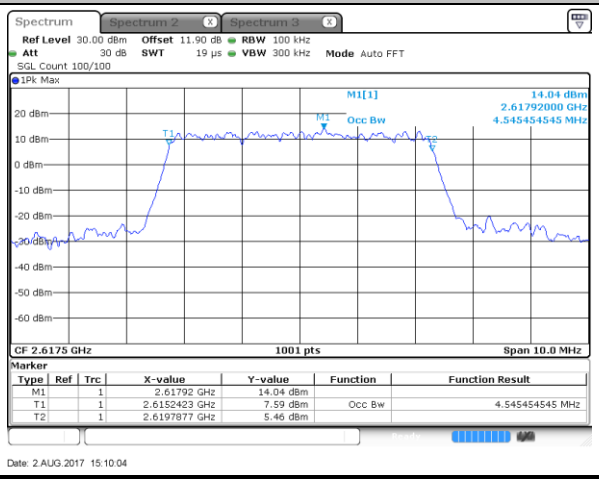
Middle Channel / 5MHz / QPSK



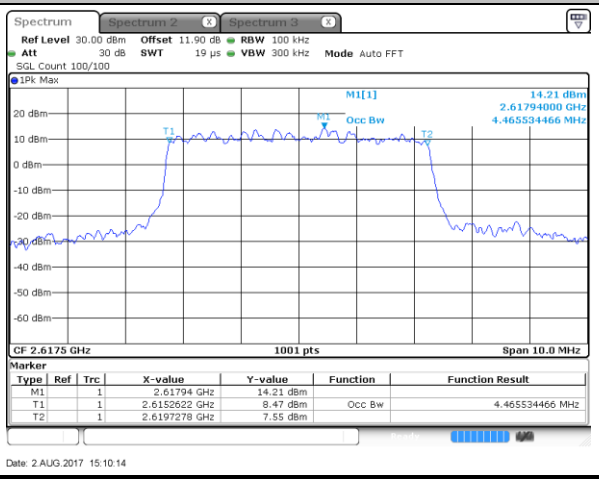
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

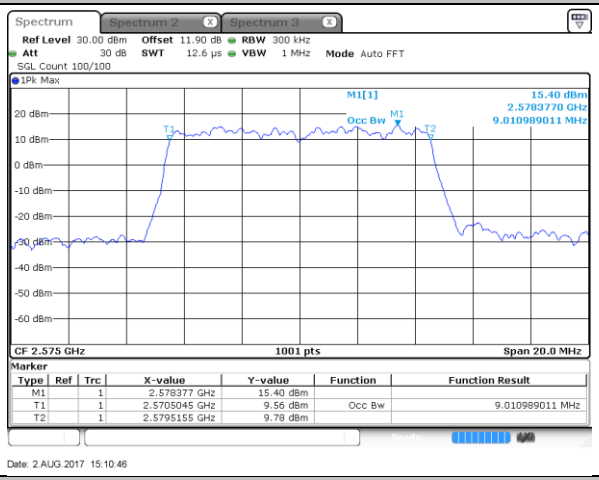


Highest Channel / 5MHz / 16QAM

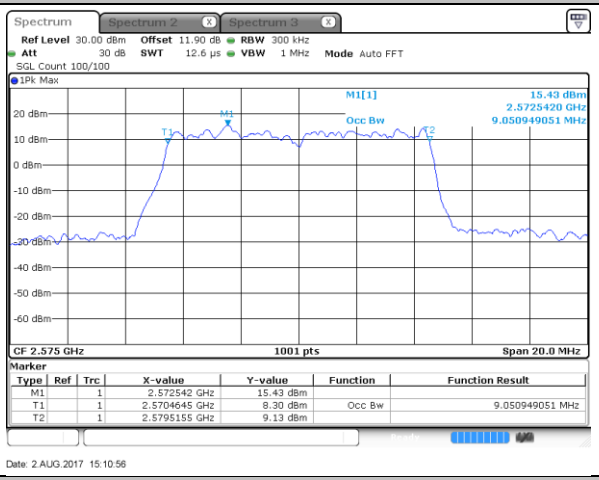


LTE Band 38

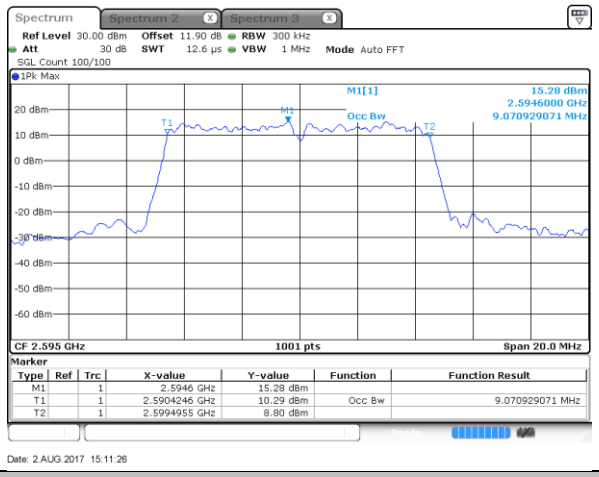
Lowest Channel / 10MHz / QPSK



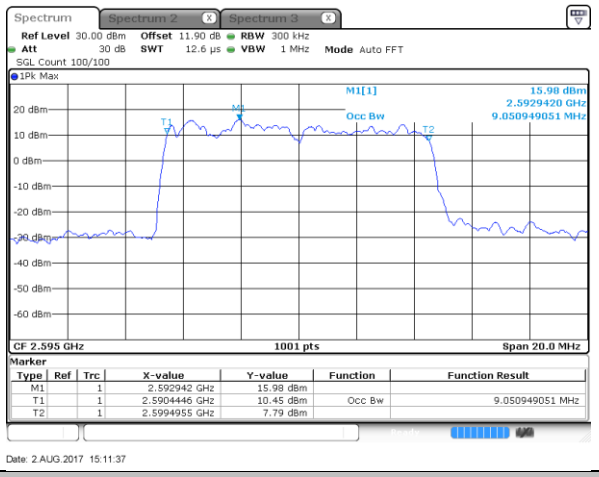
Lowest Channel / 10MHz / 16QAM



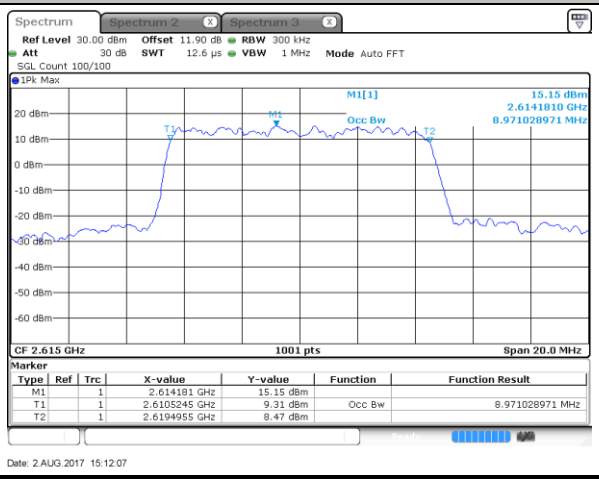
Middle Channel / 10MHz / QPSK



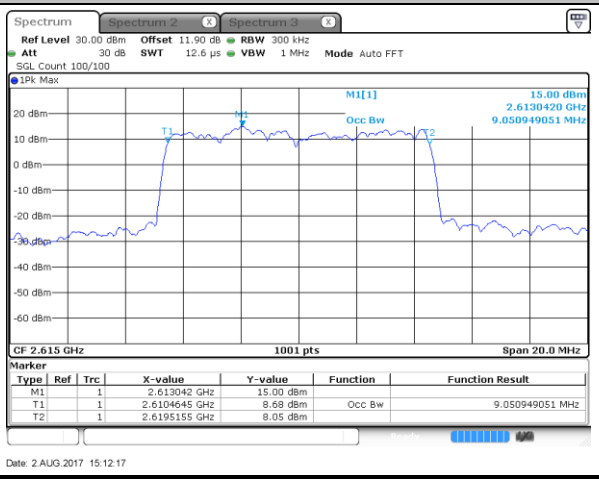
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

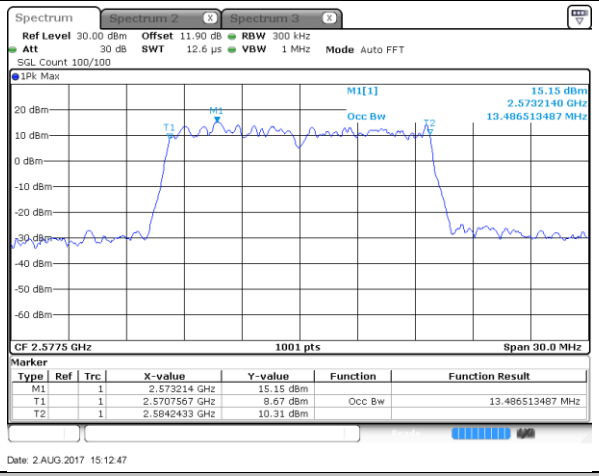


Highest Channel / 10MHz / 16QAM

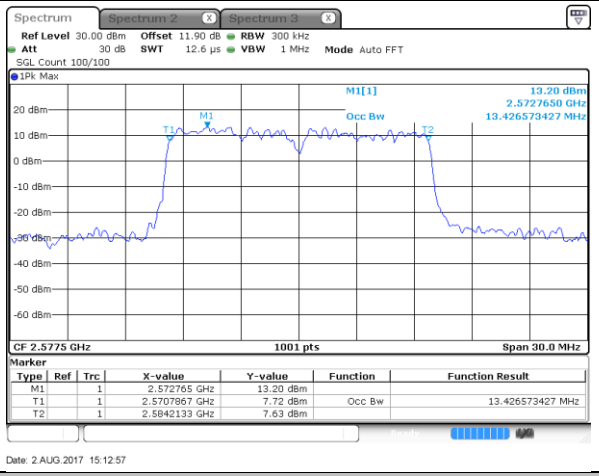


LTE Band 38

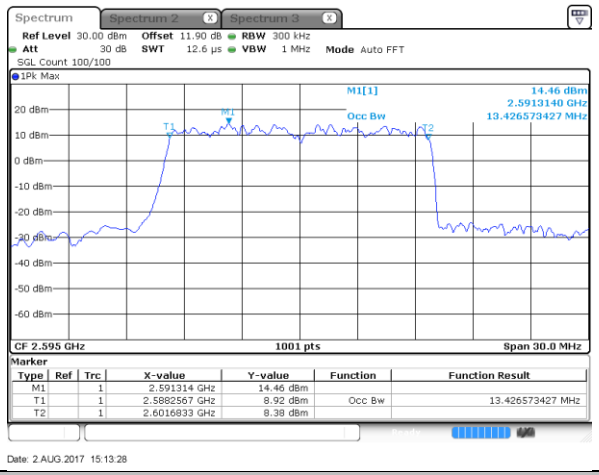
Lowest Channel / 15MHz / QPSK



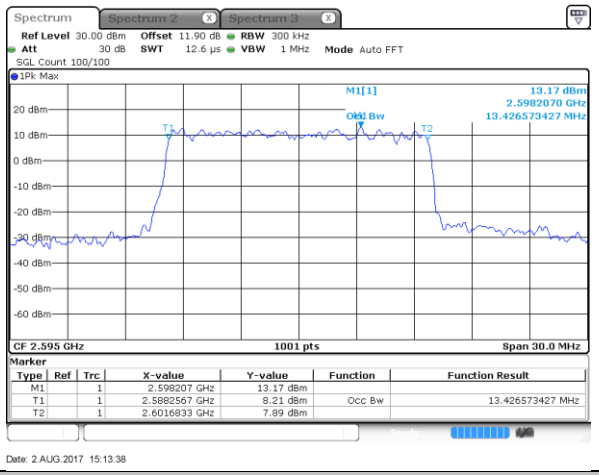
Lowest Channel / 15MHz / 16QAM



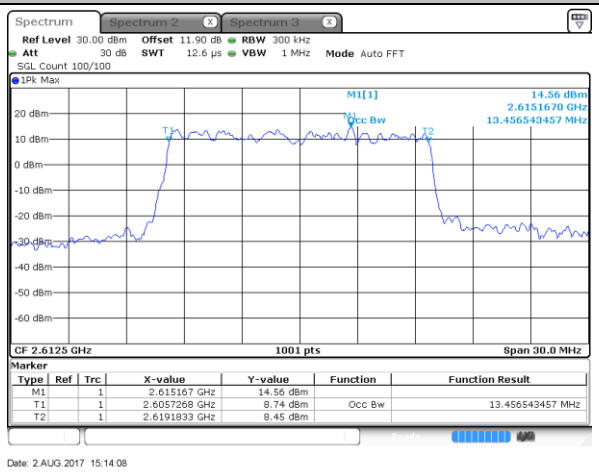
Middle Channel / 15MHz / QPSK



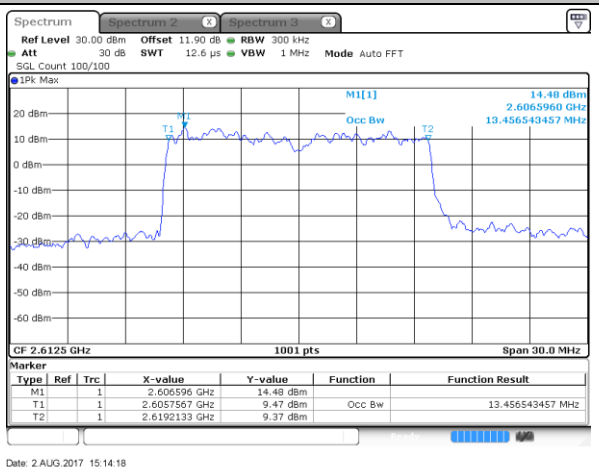
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

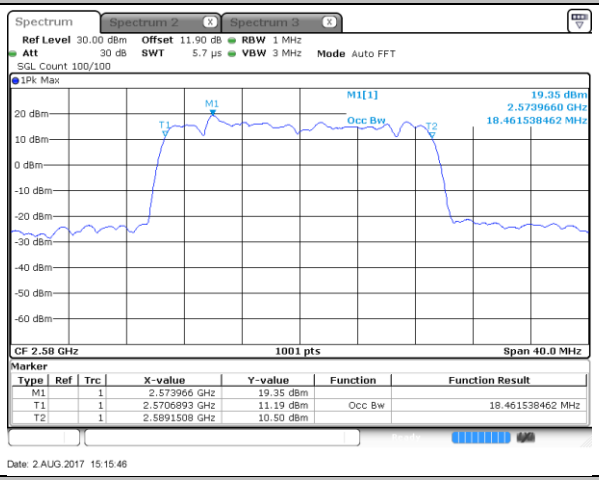


Highest Channel / 15MHz / 16QAM

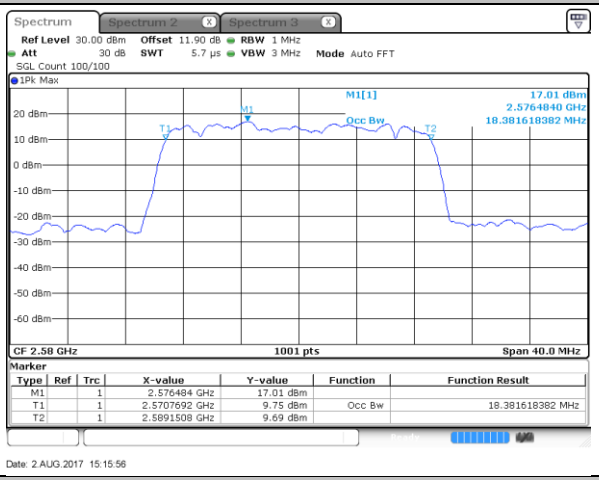


LTE Band 38

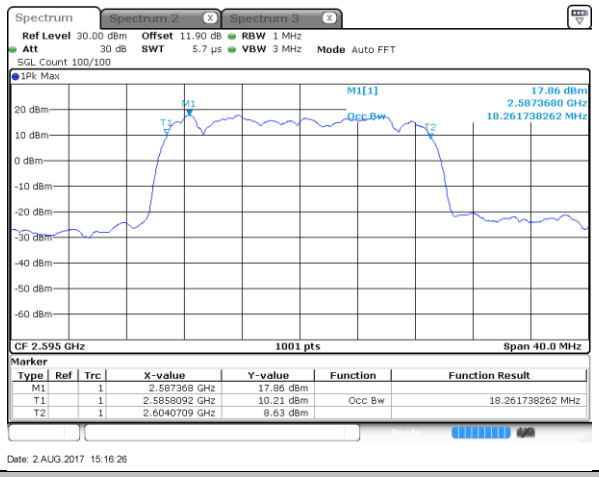
Lowest Channel / 20MHz / QPSK



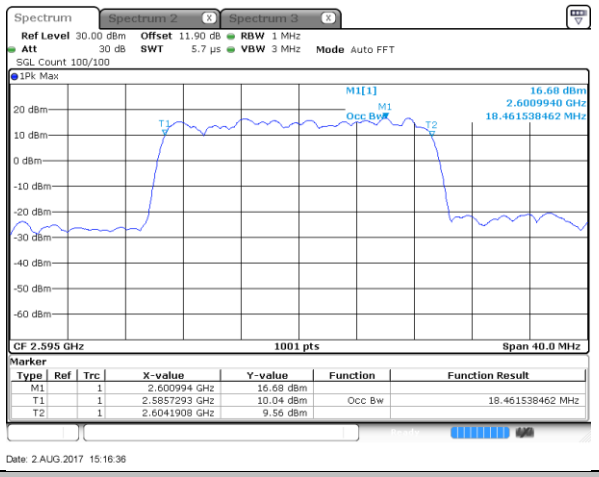
Lowest Channel / 20MHz / 16QAM



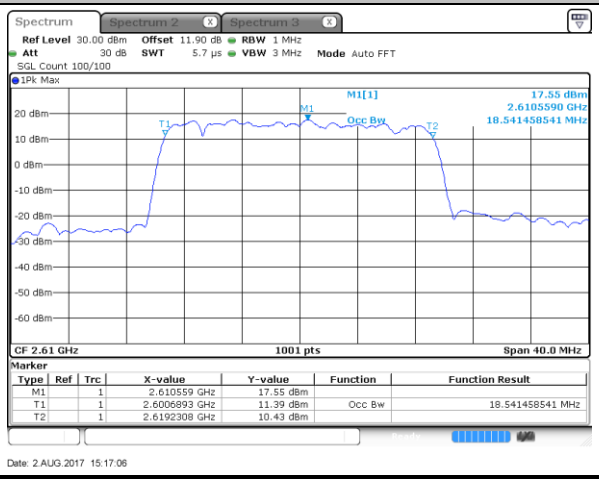
Middle Channel / 20MHz / QPSK



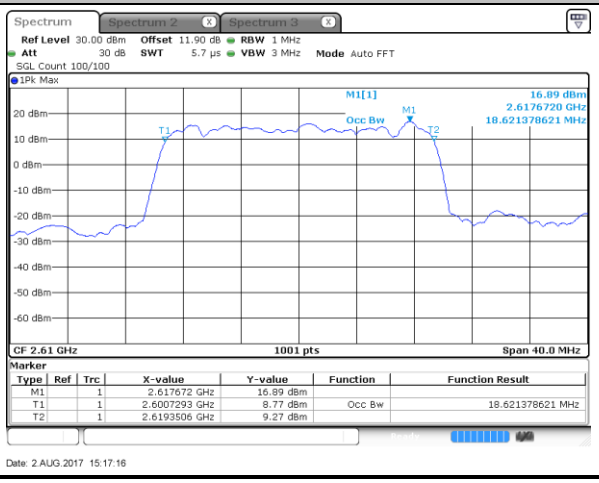
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



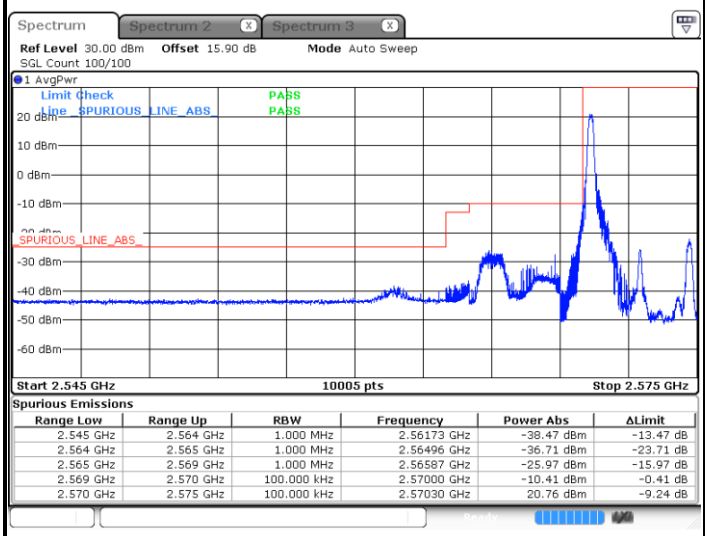
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 38 / 5MHz / QPSK

Lowest Band Edge / 1 RB

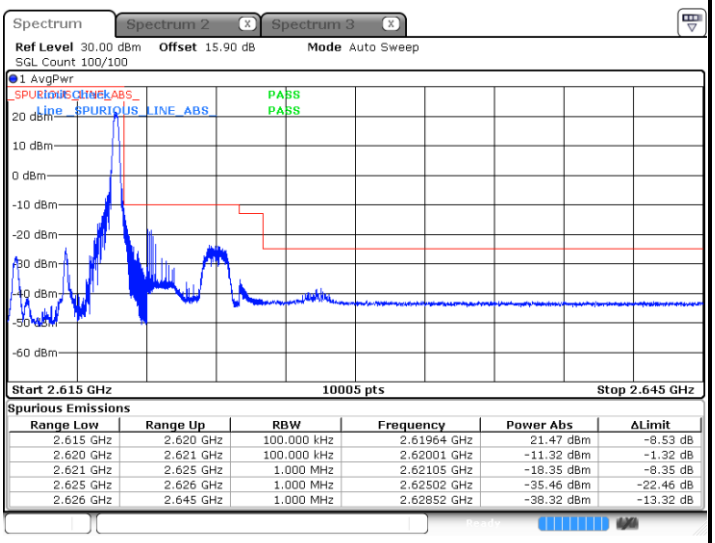


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56173 GHz	-38.47 dBm	-13.47 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56496 GHz	-36.71 dBm	-23.71 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56587 GHz	-25.97 dBm	-15.97 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-10.41 dBm	-0.41 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57030 GHz	20.76 dBm	-9.24 dB

Date: 2.AUG.2017 15:24:23

Highest Band Edge / 1 RB

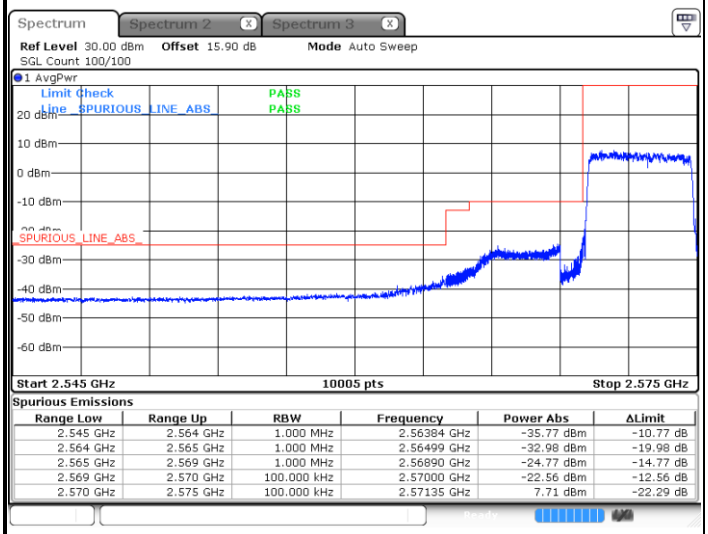


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61964 GHz	21.47 dBm	-8.53 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62001 GHz	-11.32 dBm	-1.32 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62105 GHz	-18.35 dBm	-8.35 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62502 GHz	-35.46 dBm	-22.46 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62852 GHz	-38.32 dBm	-13.32 dB

Date: 2.AUG.2017 15:31:20

Lowest Band Edge / Full RB

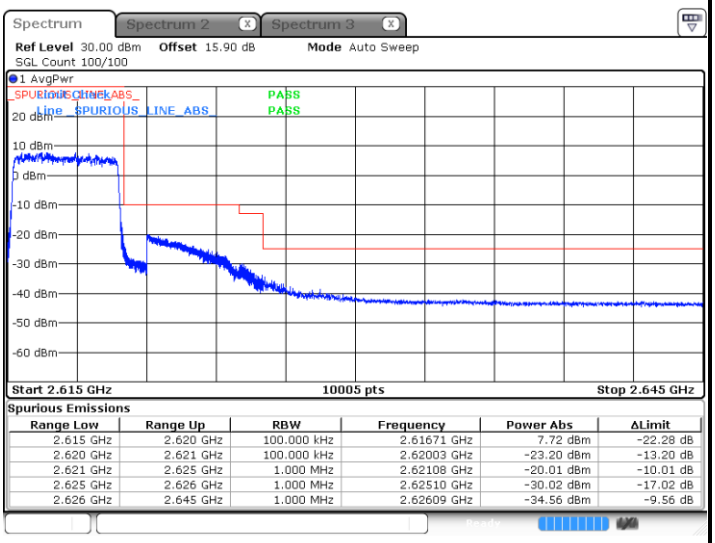


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56384 GHz	-35.77 dBm	-10.77 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56499 GHz	-32.98 dBm	-19.98 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56890 GHz	-24.77 dBm	-14.77 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-22.56 dBm	-12.56 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57135 GHz	7.71 dBm	-22.29 dB

Date: 2.AUG.2017 15:26:42

Highest Band Edge / Full RB



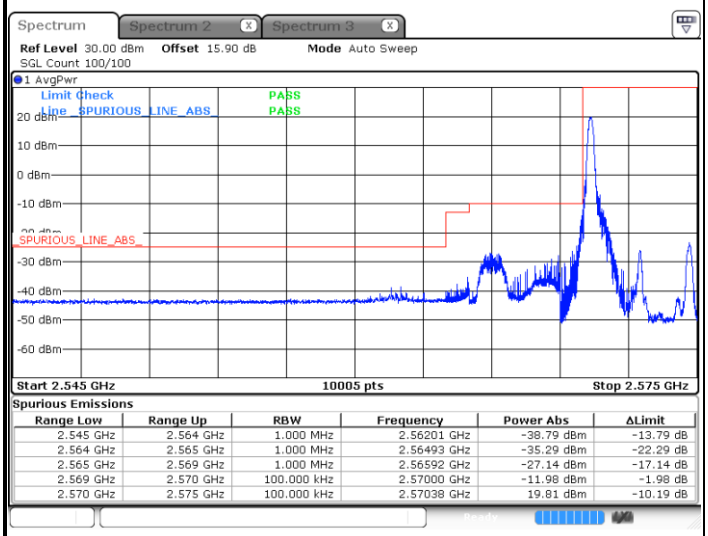
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61671 GHz	7.72 dBm	-22.28 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62003 GHz	-23.20 dBm	-13.20 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62108 GHz	-20.01 dBm	-10.01 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62510 GHz	-30.02 dBm	-17.02 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62609 GHz	-34.56 dBm	-9.56 dB

Date: 2.AUG.2017 15:29:01

LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB

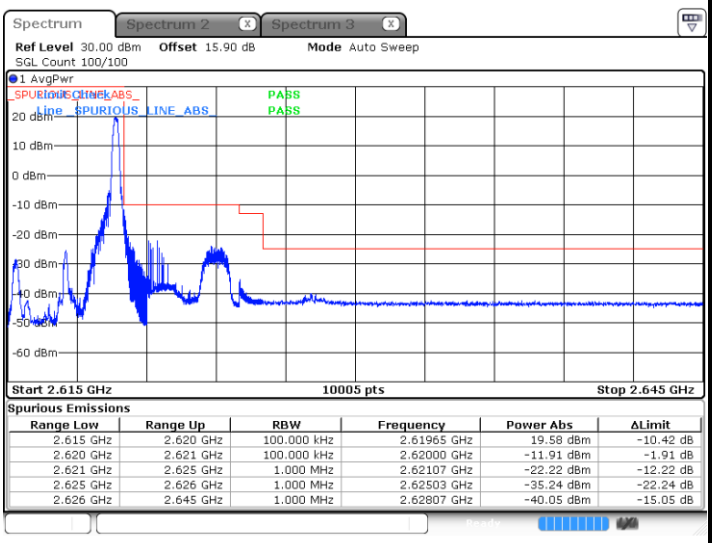


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56201 GHz	-38.79 dBm	-13.79 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56493 GHz	-35.29 dBm	-22.29 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56592 GHz	-27.14 dBm	-17.14 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-11.98 dBm	-1.98 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57038 GHz	19.81 dBm	-10.19 dB

Date: 2.AUG.2017 15:25:33

Highest Band Edge / 1 RB

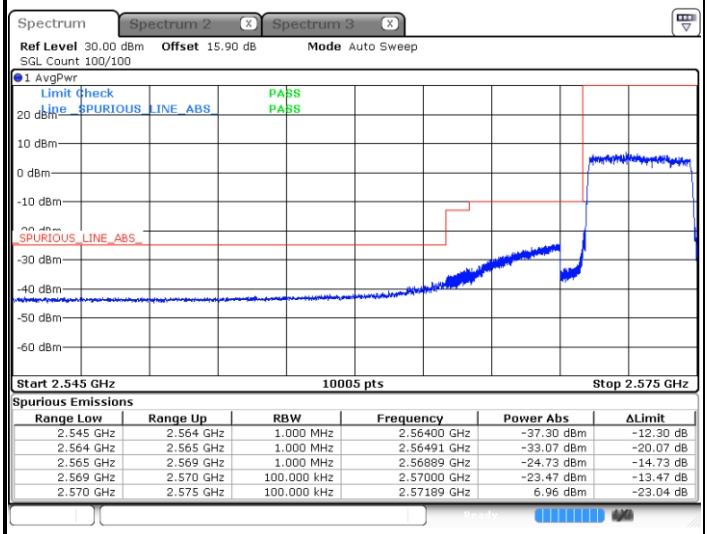


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61965 GHz	19.58 dBm	-10.42 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62000 GHz	-11.91 dBm	-1.91 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62107 GHz	-22.22 dBm	-12.22 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62503 GHz	-35.24 dBm	-22.24 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62807 GHz	-40.05 dBm	-15.05 dB

Date: 2.AUG.2017 15:32:29

Lowest Band Edge / Full RB

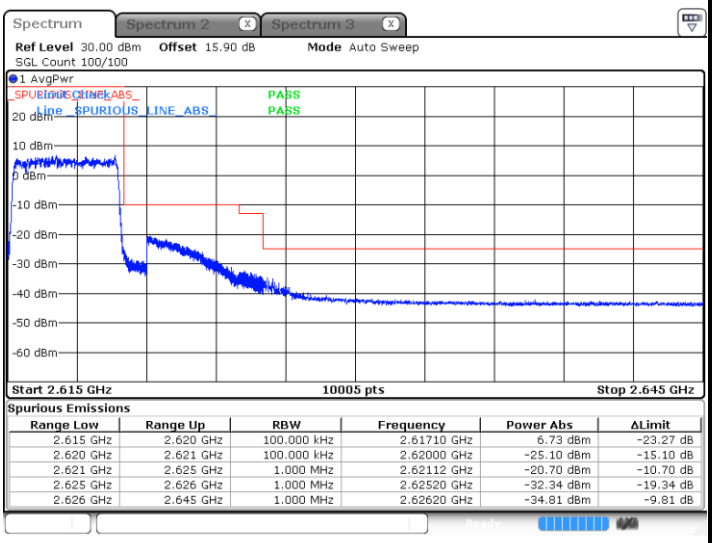


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.564 GHz	1.000 MHz	2.56400 GHz	-37.30 dBm	-12.30 dB
2.564 GHz	2.565 GHz	1.000 MHz	2.56491 GHz	-33.07 dBm	-20.07 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56889 GHz	-24.73 dBm	-14.73 dB
2.569 GHz	2.570 GHz	100.000 kHz	2.57000 GHz	-23.47 dBm	-13.47 dB
2.570 GHz	2.575 GHz	100.000 kHz	2.57189 GHz	6.96 dBm	-23.04 dB

Date: 2.AUG.2017 15:27:52

Highest Band Edge / Full RB



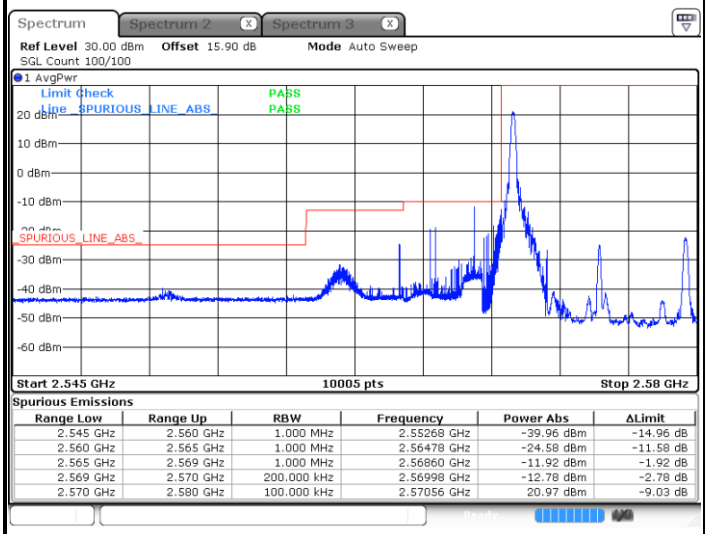
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.615 GHz	2.620 GHz	100.000 kHz	2.61710 GHz	6.73 dBm	-23.27 dB
2.620 GHz	2.621 GHz	100.000 kHz	2.62000 GHz	-25.10 dBm	-15.10 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62112 GHz	-20.70 dBm	-10.70 dB
2.625 GHz	2.626 GHz	1.000 MHz	2.62520 GHz	-32.34 dBm	-19.34 dB
2.626 GHz	2.645 GHz	1.000 MHz	2.62620 GHz	-34.81 dBm	-9.81 dB

Date: 2.AUG.2017 15:30:11

LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.560 GHz	1.000 MHz	2.55268 GHz	-39.96 dBm	-14.96 dB
2.560 GHz	2.565 GHz	1.000 MHz	2.56478 GHz	-24.58 dBm	-11.58 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56860 GHz	-11.92 dBm	-1.92 dB
2.569 GHz	2.570 GHz	200.000 kHz	2.56998 GHz	-12.78 dBm	-2.78 dB
2.570 GHz	2.580 GHz	100.000 kHz	2.57056 GHz	20.97 dBm	-9.03 dB

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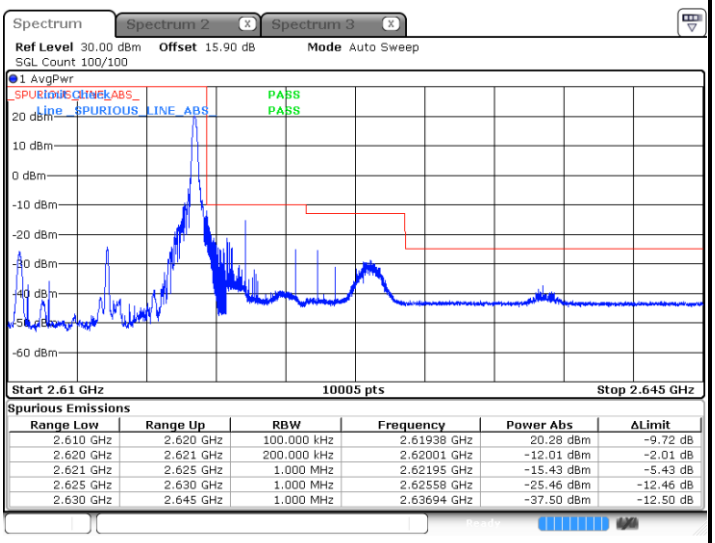
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.610 GHz	2.620 GHz	100.000 kHz	2.61938 GHz	20.28 dBm	-9.72 dB
2.620 GHz	2.621 GHz	200.000 kHz	2.62001 GHz	-12.01 dBm	-2.01 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62195 GHz	-15.43 dBm	-5.43 dB
2.625 GHz	2.630 GHz	1.000 MHz	2.62558 GHz	-25.46 dBm	-12.46 dB
2.630 GHz	2.645 GHz	1.000 MHz	2.63694 GHz	-37.50 dBm	-12.50 dB

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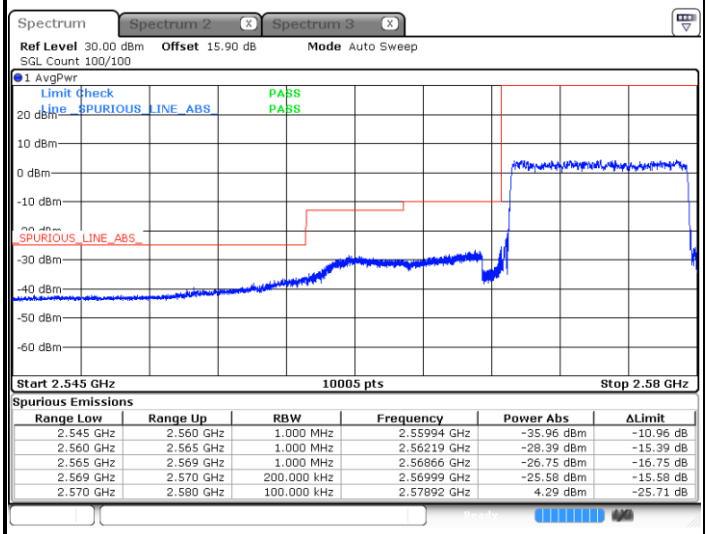
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.560 GHz	1.000 MHz	2.55994 GHz	-35.96 dBm	-10.96 dB
2.560 GHz	2.565 GHz	1.000 MHz	2.56219 GHz	-28.39 dBm	-15.39 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56866 GHz	-26.75 dBm	-16.75 dB
2.569 GHz	2.570 GHz	200.000 kHz	2.56999 GHz	-25.58 dBm	-15.58 dB
2.570 GHz	2.580 GHz	100.000 kHz	2.57892 GHz	4.29 dBm	-25.71 dB

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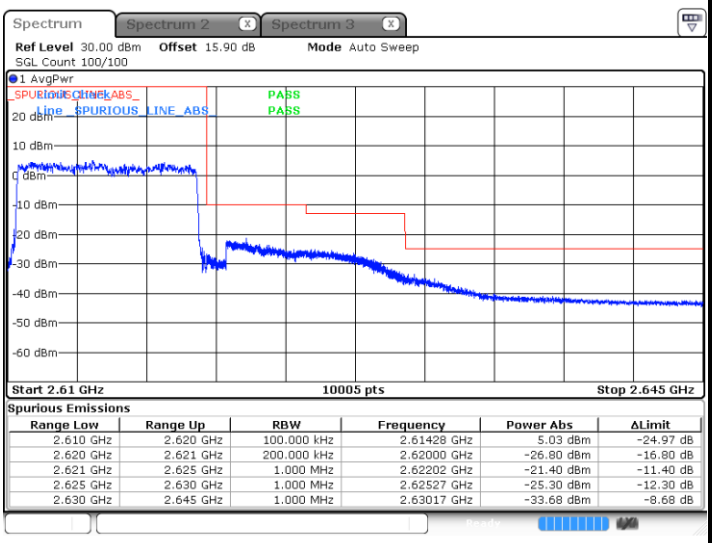
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.610 GHz	2.620 GHz	100.000 kHz	2.61428 GHz	5.03 dBm	-24.97 dB
2.620 GHz	2.621 GHz	200.000 kHz	2.62000 GHz	-26.80 dBm	-16.80 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62202 GHz	-21.40 dBm	-11.40 dB
2.625 GHz	2.630 GHz	1.000 MHz	2.62527 GHz	-25.30 dBm	-12.30 dB
2.630 GHz	2.645 GHz	1.000 MHz	2.63017 GHz	-33.68 dBm	-8.68 dB

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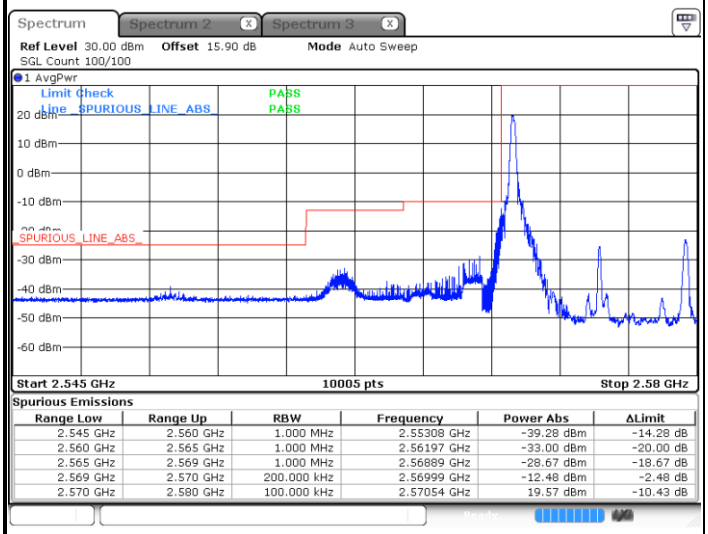
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.560 GHz	1.000 MHz	2.55308 GHz	-39.28 dBm	-14.28 dB
2.560 GHz	2.565 GHz	1.000 MHz	2.56197 GHz	-33.00 dBm	-20.00 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56889 GHz	-28.67 dBm	-18.67 dB
2.569 GHz	2.570 GHz	200.000 kHz	2.56999 GHz	-12.48 dBm	-2.48 dB
2.570 GHz	2.580 GHz	100.000 kHz	2.57054 GHz	19.57 dBm	-10.43 dB

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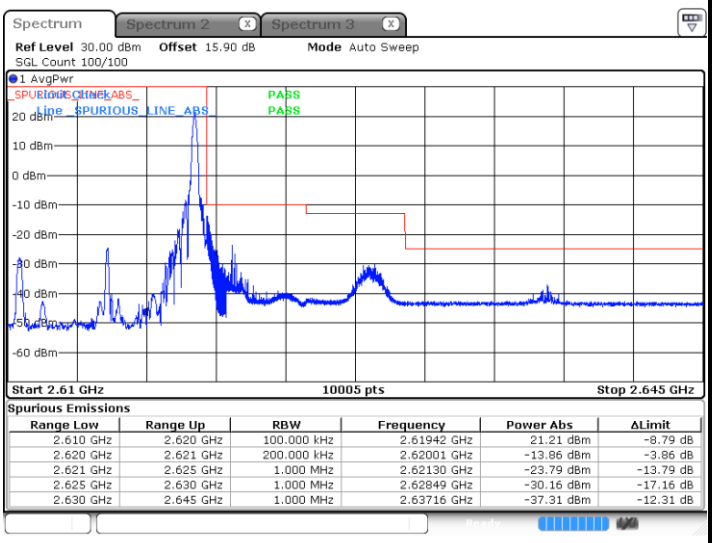
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.610 GHz	2.620 GHz	100.000 kHz	2.61942 GHz	21.21 dBm	-8.79 dB
2.620 GHz	2.621 GHz	200.000 kHz	2.62001 GHz	-13.86 dBm	-3.86 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62130 GHz	-23.79 dBm	-13.79 dB
2.625 GHz	2.630 GHz	1.000 MHz	2.62849 GHz	-30.16 dBm	-17.16 dB
2.630 GHz	2.645 GHz	1.000 MHz	2.63716 GHz	-37.31 dBm	-12.31 dB

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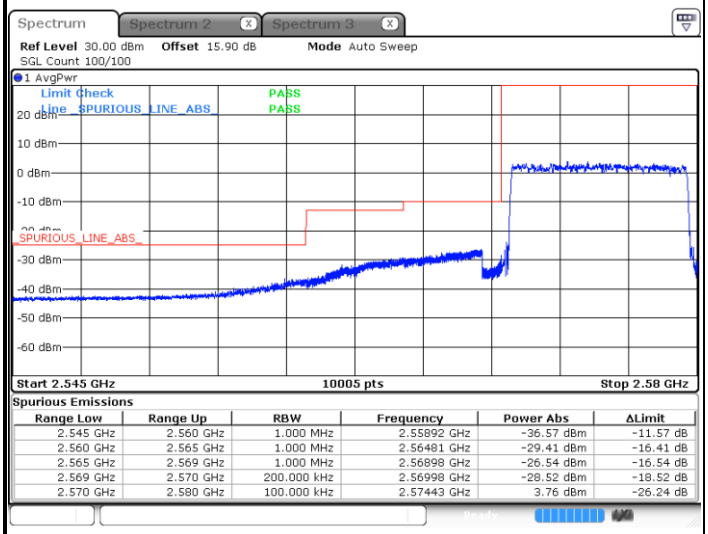
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.545 GHz	2.560 GHz	1.000 MHz	2.55892 GHz	-36.57 dBm	-11.57 dB
2.560 GHz	2.565 GHz	1.000 MHz	2.56481 GHz	-29.41 dBm	-16.41 dB
2.565 GHz	2.569 GHz	1.000 MHz	2.56898 GHz	-26.54 dBm	-16.54 dB
2.569 GHz	2.570 GHz	200.000 kHz	2.56998 GHz	-28.52 dBm	-18.52 dB
2.570 GHz	2.580 GHz	100.000 kHz	2.57443 GHz	3.76 dBm	-26.24 dB

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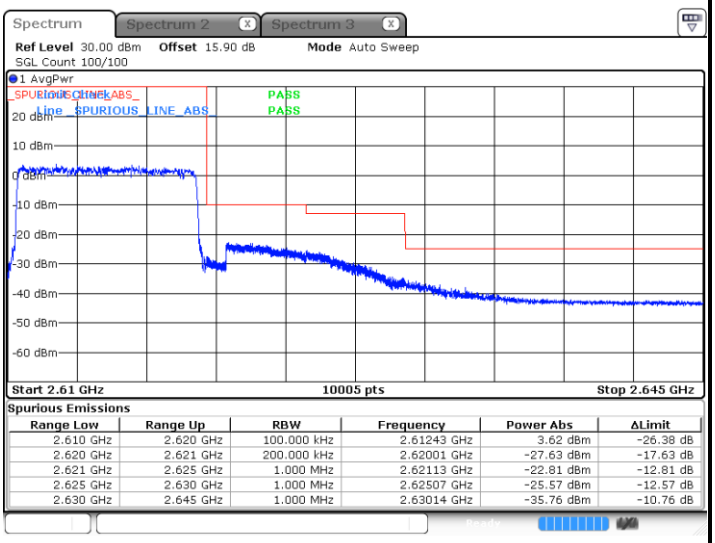
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.610 GHz	2.620 GHz	100.000 kHz	2.61243 GHz	3.62 dBm	-26.38 dB
2.620 GHz	2.621 GHz	200.000 kHz	2.62001 GHz	-27.63 dBm	-17.63 dB
2.621 GHz	2.625 GHz	1.000 MHz	2.62113 GHz	-22.81 dBm	-12.81 dB
2.625 GHz	2.630 GHz	1.000 MHz	2.62507 GHz	-25.57 dBm	-12.57 dB
2.630 GHz	2.645 GHz	1.000 MHz	2.63014 GHz	-35.76 dBm	-10.76 dB

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