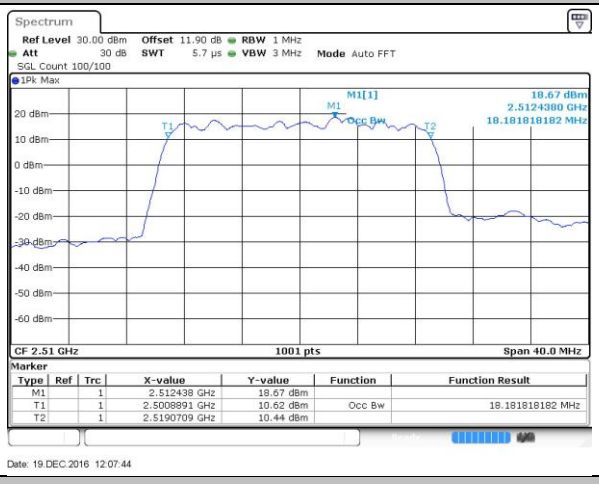
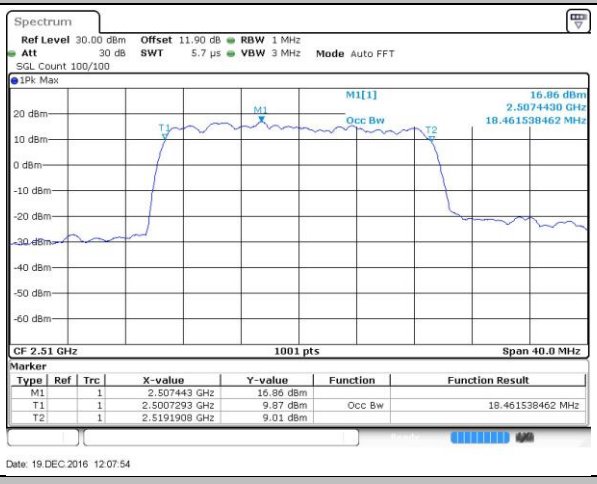
LTE Band 7

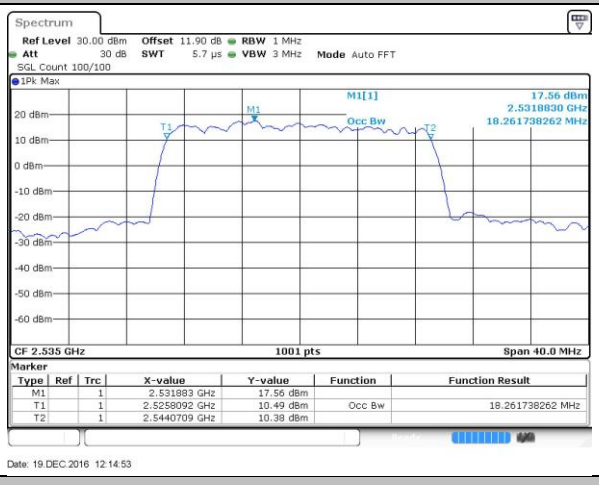
Lowest Channel / 20MHz / QPSK



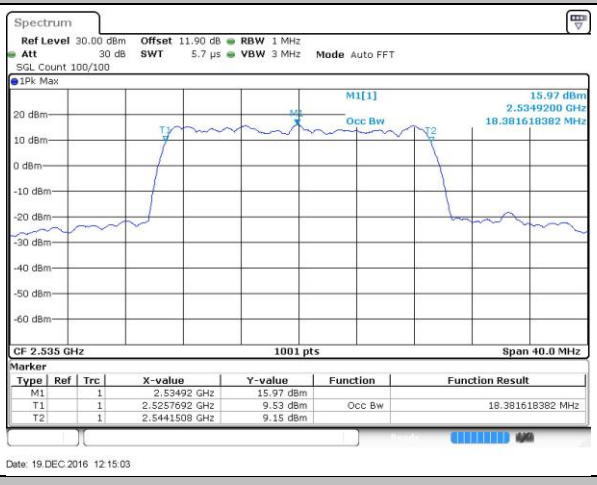
Lowest Channel / 20MHz / 16QAM



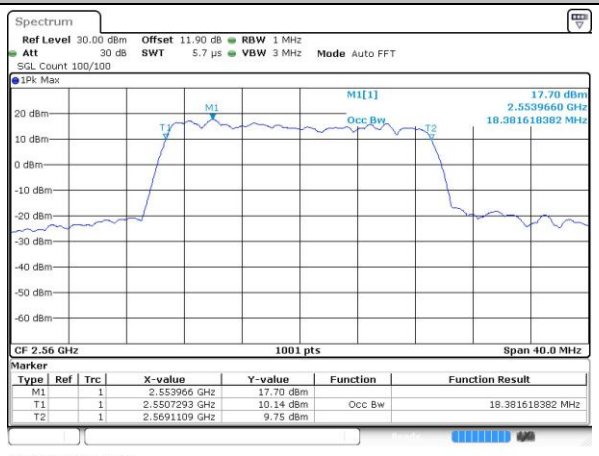
Middle Channel / 20MHz / QPSK



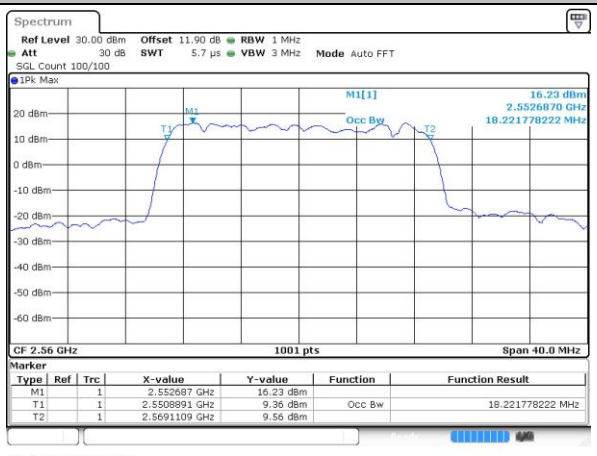
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



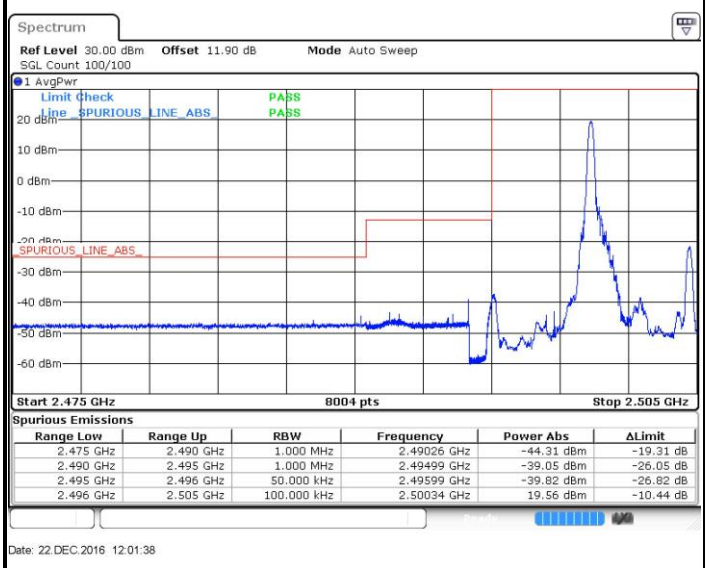
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

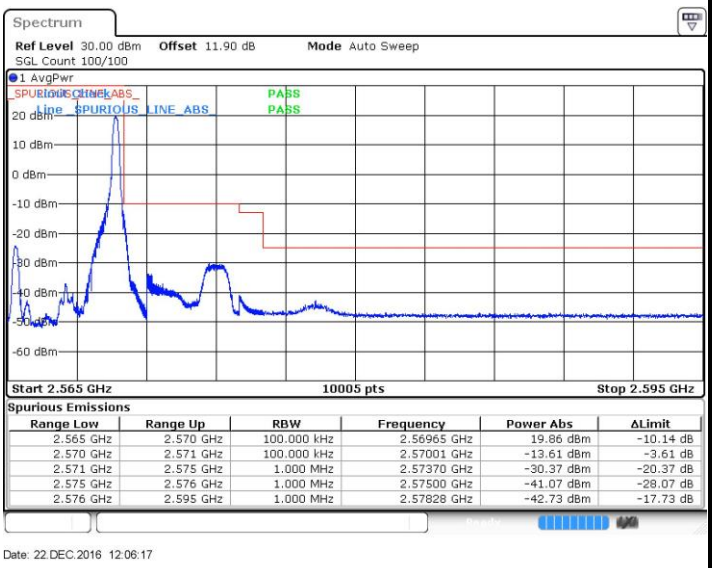


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49026 GHz	-44.31 dBm	-19.31 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-39.05 dBm	-26.05 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-39.82 dBm	-26.82 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	19.56 dBm	-10.44 dB

Date: 22.DEC.2016 12:01:38

Highest Band Edge / 1 RB

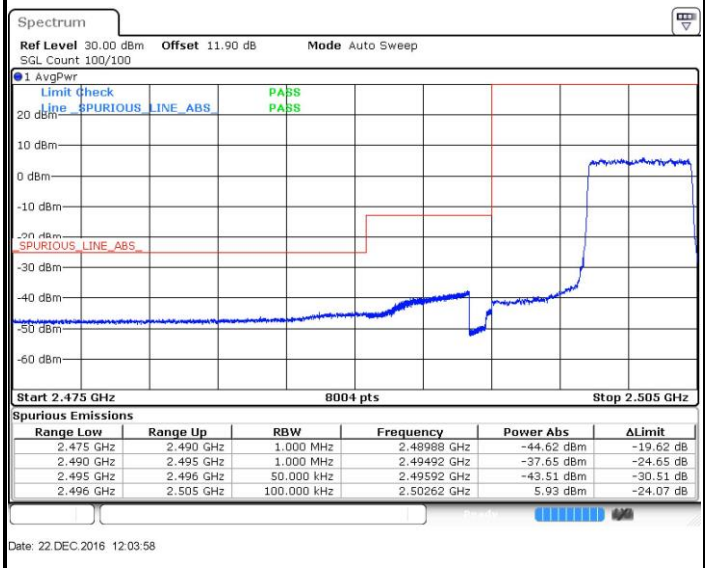


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56965 GHz	19.86 dBm	-10.14 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-13.61 dBm	-3.61 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57370 GHz	-30.37 dBm	-20.37 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57500 GHz	-41.07 dBm	-28.07 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57828 GHz	-42.73 dBm	-17.73 dB

Date: 22.DEC.2016 12:06:17

Lowest Band Edge / Full RB

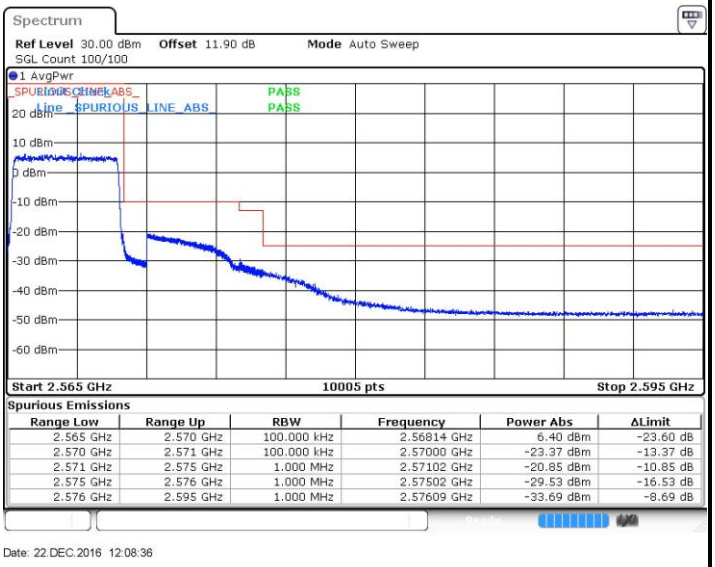


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48988 GHz	-44.62 dBm	-19.62 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-37.65 dBm	-24.65 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49592 GHz	-43.51 dBm	-30.51 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50262 GHz	5.93 dBm	-24.07 dB

Date: 22.DEC.2016 12:03:58

Highest Band Edge / Full RB



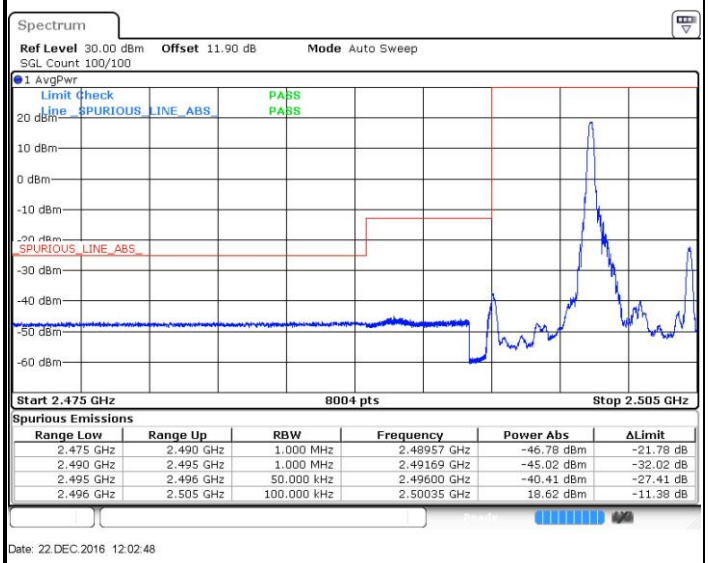
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56814 GHz	6.40 dBm	-23.60 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-23.37 dBm	-13.37 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-20.85 dBm	-10.85 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-29.53 dBm	-16.53 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57609 GHz	-33.69 dBm	-8.69 dB

Date: 22.DEC.2016 12:08:36

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

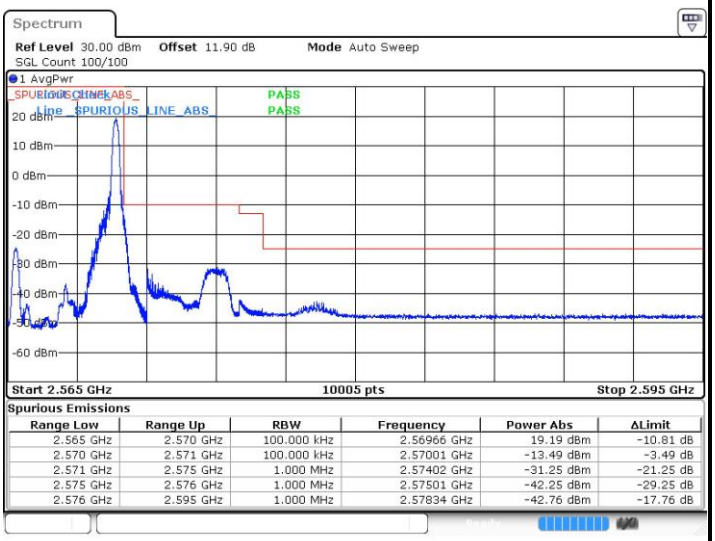


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48957 GHz	-46.78 dBm	-21.78 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49169 GHz	-45.02 dBm	-32.02 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-40.41 dBm	-27.41 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50035 GHz	18.62 dBm	-11.38 dB

Date: 22.DEC.2016 12:02:48

Highest Band Edge / 1 RB

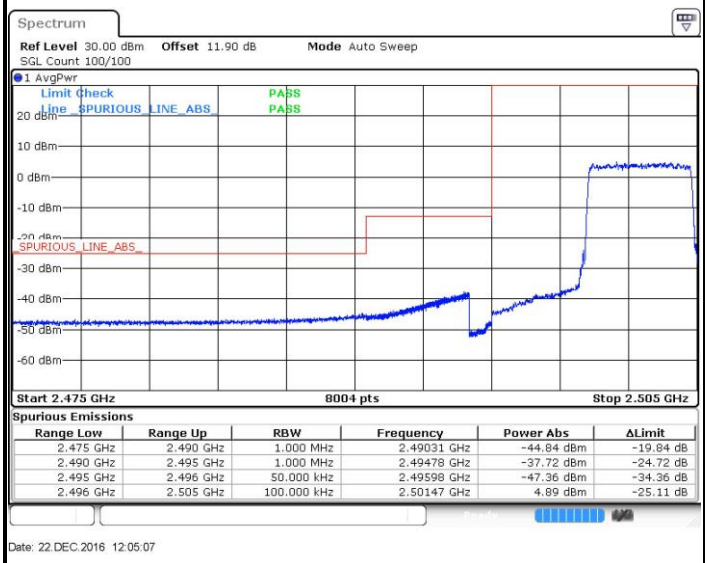


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	19.19 dBm	-10.81 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-13.49 dBm	-3.49 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57402 GHz	-31.25 dBm	-21.25 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-42.25 dBm	-29.25 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57834 GHz	-42.76 dBm	-17.76 dB

Date: 22.DEC.2016 12:07:27

Lowest Band Edge / Full RB

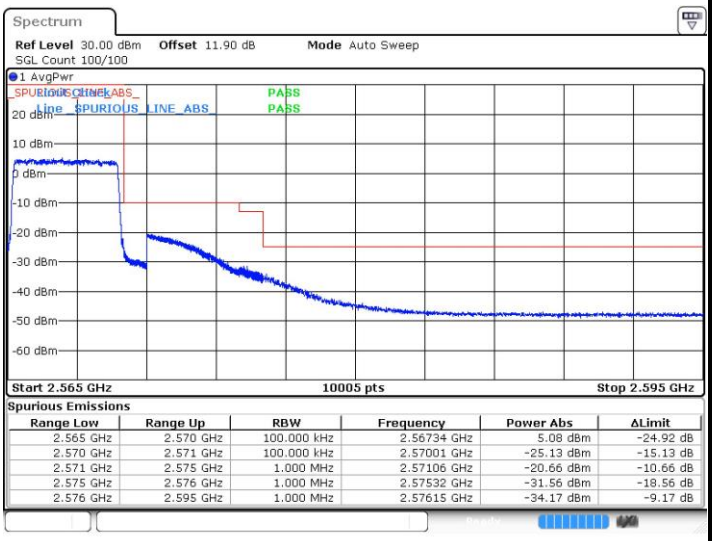


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49031 GHz	-44.84 dBm	-19.84 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49478 GHz	-37.72 dBm	-24.72 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49598 GHz	-47.36 dBm	-34.36 dB
2.496 GHz	2.505 GHz	100.000 kHz	2.50147 GHz	4.89 dBm	-25.11 dB

Date: 22.DEC.2016 12:05:07

Highest Band Edge / Full RB



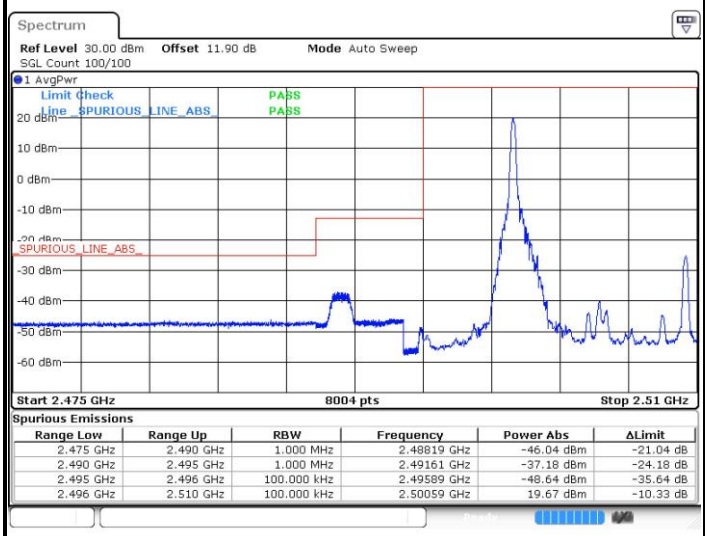
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56734 GHz	5.08 dBm	-24.92 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-25.13 dBm	-15.13 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-20.66 dBm	-10.66 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57532 GHz	-31.56 dBm	-18.56 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57615 GHz	-34.17 dBm	-9.17 dB

Date: 22.DEC.2016 12:09:46

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

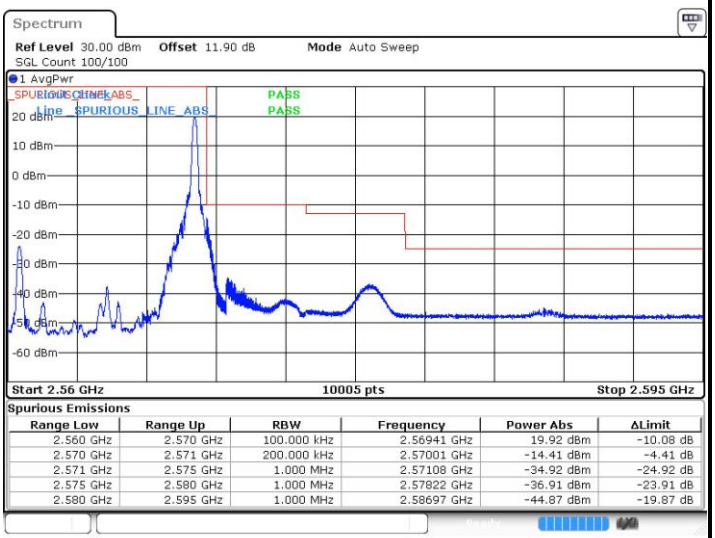


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48819 GHz	-46.04 dBm	-21.04 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49161 GHz	-37.18 dBm	-24.18 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49589 GHz	-48.64 dBm	-35.64 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	19.67 dBm	-10.33 dB

Date: 22.DEC.2016 12:10:56

Highest Band Edge / 1 RB

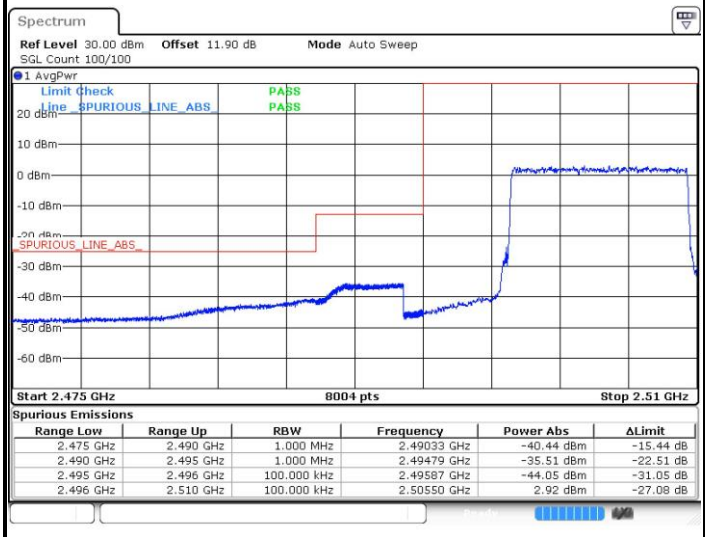


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	19.92 dBm	-10.08 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-14.41 dBm	-4.41 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-34.92 dBm	-24.92 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57822 GHz	-36.91 dBm	-23.91 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58697 GHz	-44.87 dBm	-19.87 dB

Date: 22.DEC.2016 12:15:35

Lowest Band Edge / Full RB

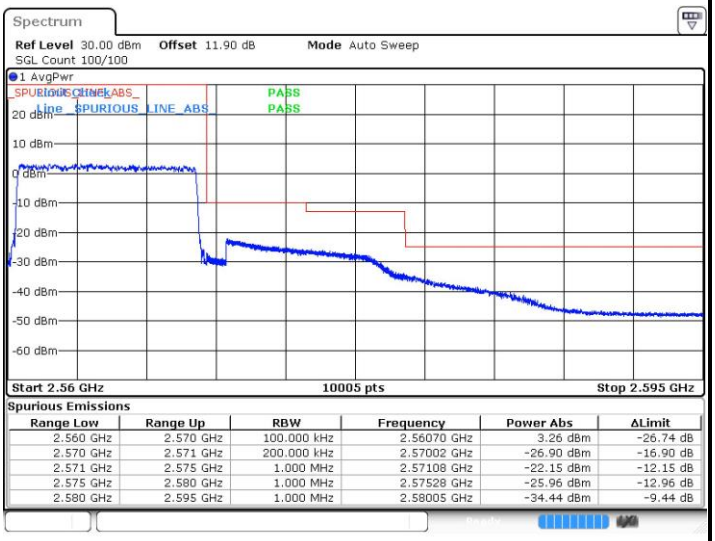


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-40.44 dBm	-15.44 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49479 GHz	-35.51 dBm	-22.51 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49587 GHz	-44.05 dBm	-31.05 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50550 GHz	2.92 dBm	-27.08 dB

Date: 22.DEC.2016 12:13:15

Highest Band Edge / Full RB



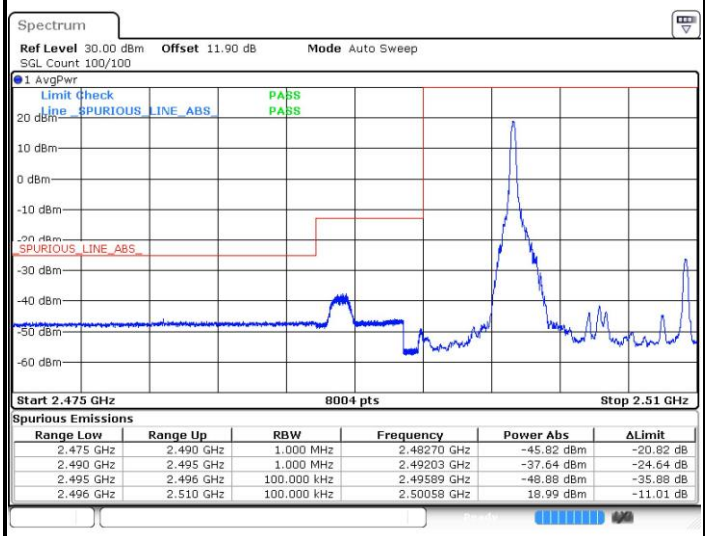
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56070 GHz	3.26 dBm	-26.74 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-26.90 dBm	-16.90 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-22.15 dBm	-12.15 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57528 GHz	-25.96 dBm	-12.96 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58005 GHz	-34.44 dBm	-9.44 dB

Date: 22.DEC.2016 12:17:54

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

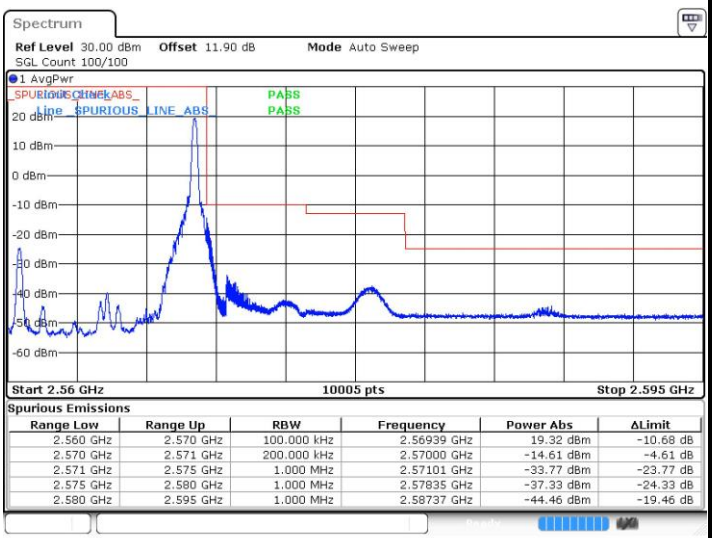


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48270 GHz	-45.82 dBm	-20.82 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49203 GHz	-37.64 dBm	-24.64 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49589 GHz	-48.88 dBm	-35.88 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50058 GHz	18.99 dBm	-11.01 dB

Date: 22.DEC.2016 12:12:06

Highest Band Edge / 1 RB

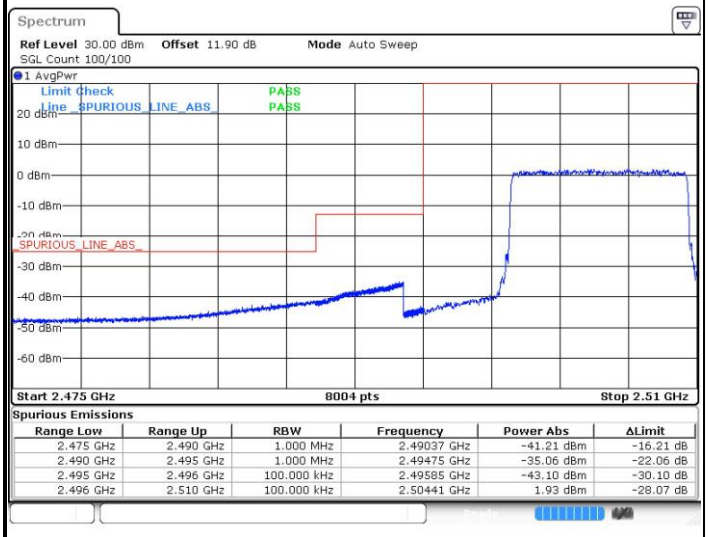


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56939 GHz	19.32 dBm	-10.68 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-14.61 dBm	-4.61 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-33.77 dBm	-23.77 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57835 GHz	-37.33 dBm	-24.33 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58737 GHz	-44.46 dBm	-19.46 dB

Date: 22.DEC.2016 12:16:44

Lowest Band Edge / Full RB

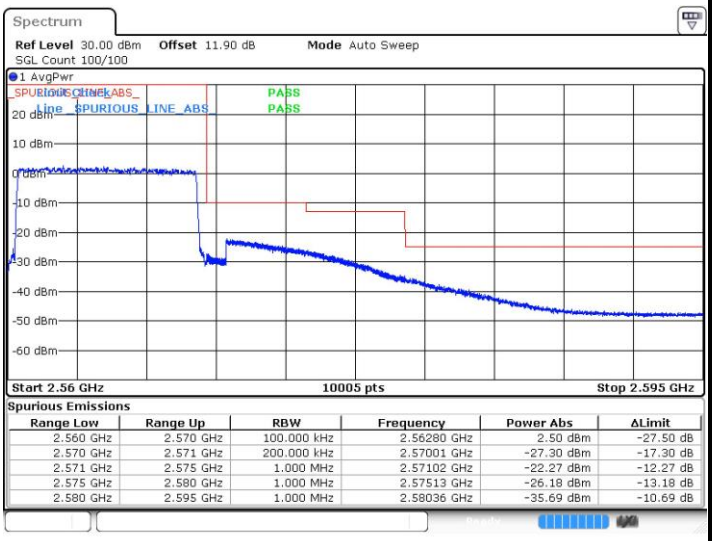


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49037 GHz	-41.21 dBm	-16.21 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49475 GHz	-35.06 dBm	-22.06 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49585 GHz	-43.10 dBm	-30.10 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50441 GHz	1.93 dBm	-28.07 dB

Date: 22.DEC.2016 12:14:25

Highest Band Edge / Full RB



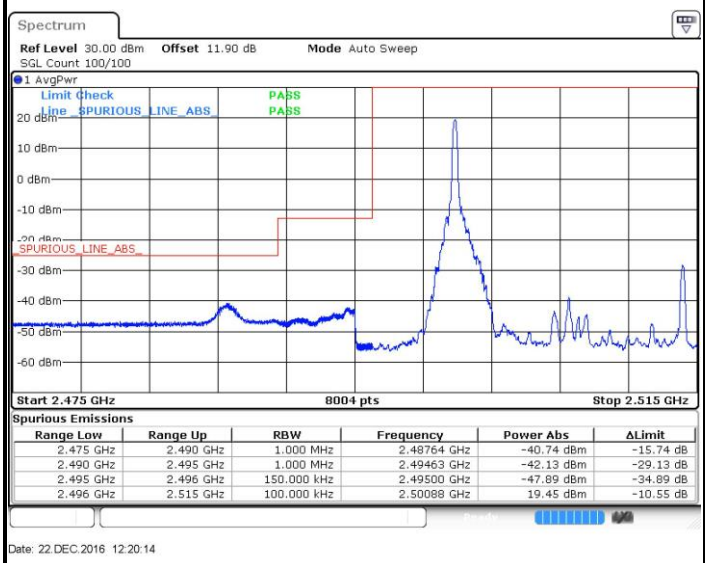
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56280 GHz	2.50 dBm	-27.50 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-27.30 dBm	-17.30 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-22.27 dBm	-12.27 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57513 GHz	-26.18 dBm	-13.18 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58036 GHz	-35.69 dBm	-10.69 dB

Date: 22.DEC.2016 12:19:04

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

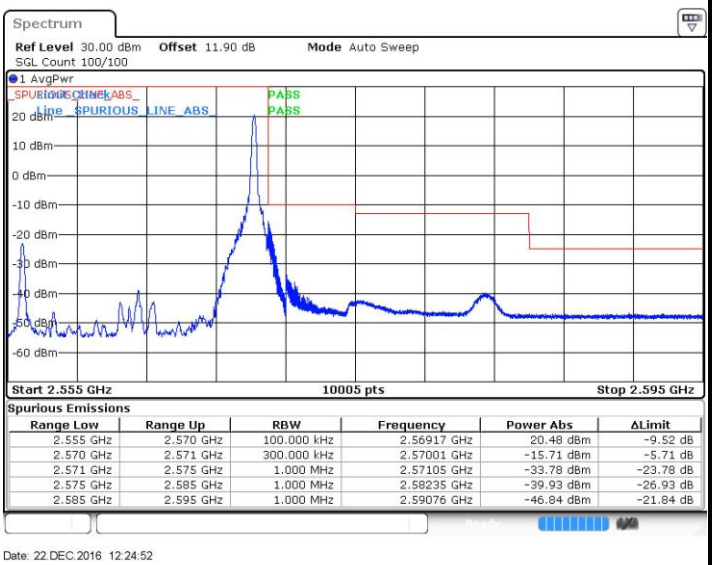


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48764 GHz	-40.74 dBm	-15.74 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49463 GHz	-42.13 dBm	-29.13 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49500 GHz	-47.89 dBm	-34.89 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50088 GHz	19.45 dBm	-10.55 dB

Date: 22.DEC.2016 12:20:14

Highest Band Edge / 1 RB

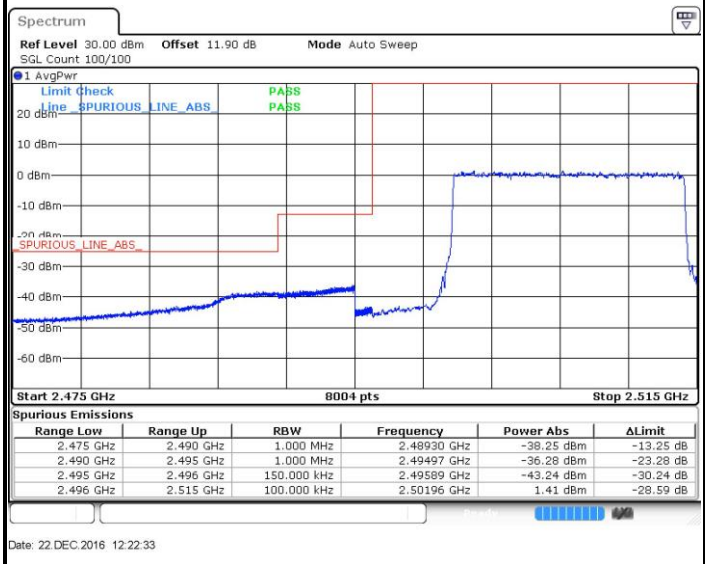


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	20.48 dBm	-9.52 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-15.71 dBm	-5.71 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-33.78 dBm	-23.78 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58235 GHz	-39.93 dBm	-26.93 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59076 GHz	-46.84 dBm	-21.84 dB

Date: 22.DEC.2016 12:24:52

Lowest Band Edge / Full RB

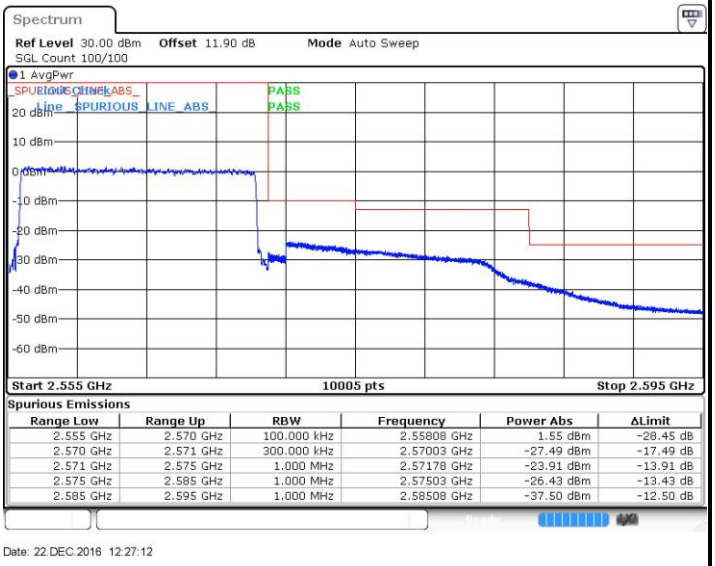


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48930 GHz	-38.25 dBm	-13.25 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-36.28 dBm	-23.28 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49589 GHz	-43.24 dBm	-30.24 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50196 GHz	1.41 dBm	-28.59 dB

Date: 22.DEC.2016 12:22:33

Highest Band Edge / Full RB



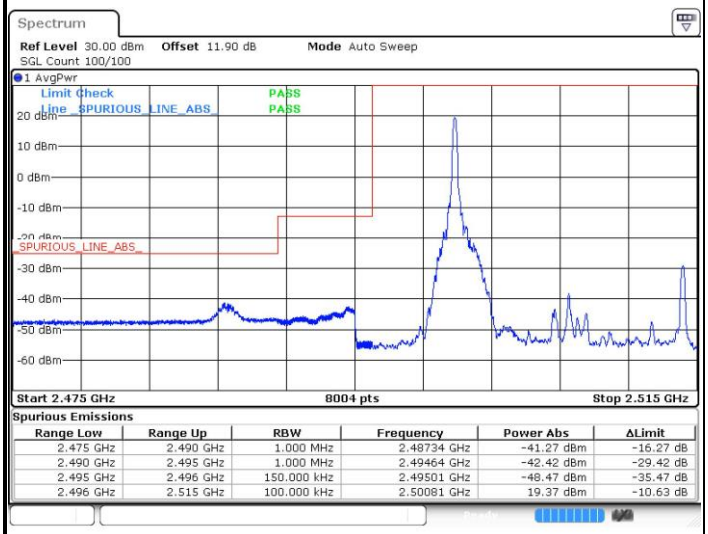
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55808 GHz	1.55 dBm	-28.45 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57003 GHz	-27.49 dBm	-17.49 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57178 GHz	-23.91 dBm	-13.91 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57503 GHz	-26.43 dBm	-13.43 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58508 GHz	-37.50 dBm	-12.50 dB

Date: 22.DEC.2016 12:27:12

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

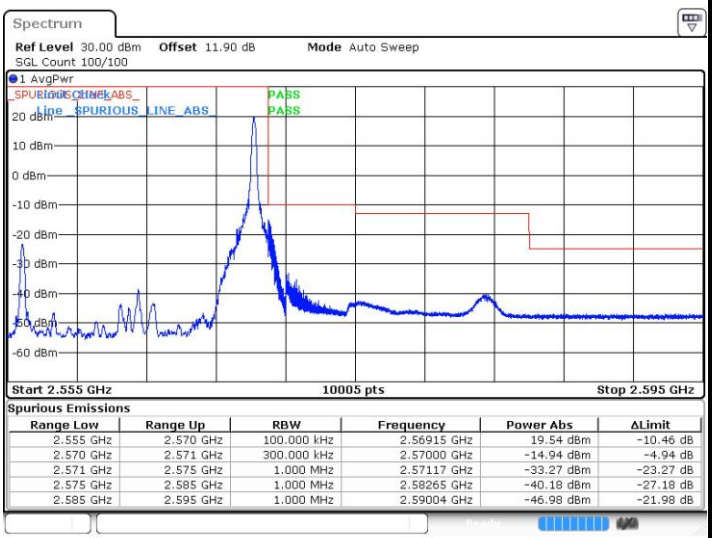


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48734 GHz	-41.27 dBm	-16.27 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49464 GHz	-42.42 dBm	-29.42 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49501 GHz	-48.47 dBm	-35.47 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50081 GHz	19.37 dBm	-10.63 dB

Date: 22.DEC.2016 12:21:23

Highest Band Edge / 1 RB

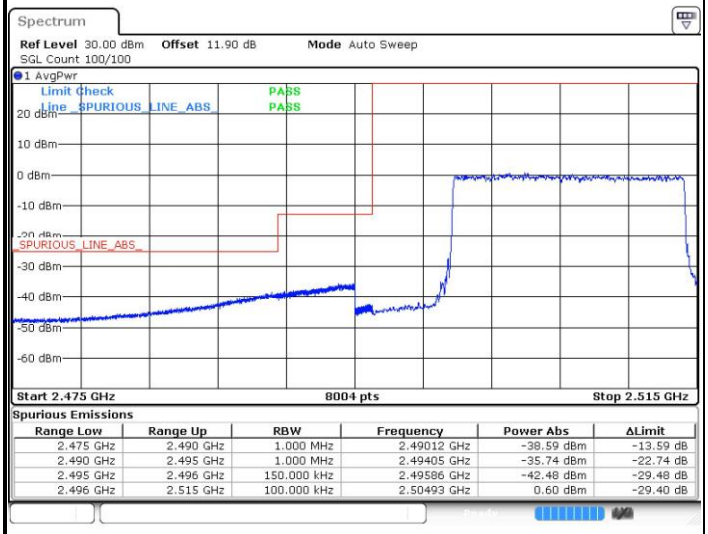


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56915 GHz	19.54 dBm	-10.46 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-14.94 dBm	-4.94 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57117 GHz	-33.27 dBm	-23.27 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.58265 GHz	-40.18 dBm	-27.18 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59004 GHz	-46.98 dBm	-21.98 dB

Date: 22.DEC.2016 12:26:02

Lowest Band Edge / Full RB

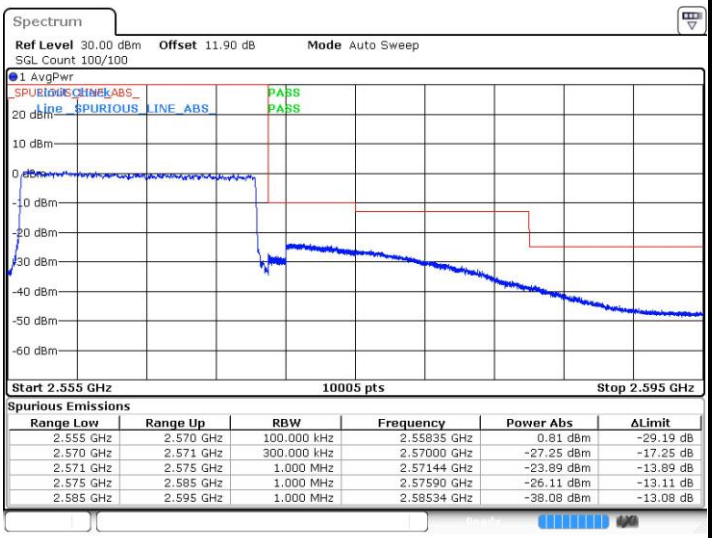


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-38.59 dBm	-13.59 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49405 GHz	-35.74 dBm	-22.74 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49586 GHz	-42.48 dBm	-29.48 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50493 GHz	0.60 dBm	-29.40 dB

Date: 22.DEC.2016 12:23:43

Highest Band Edge / Full RB



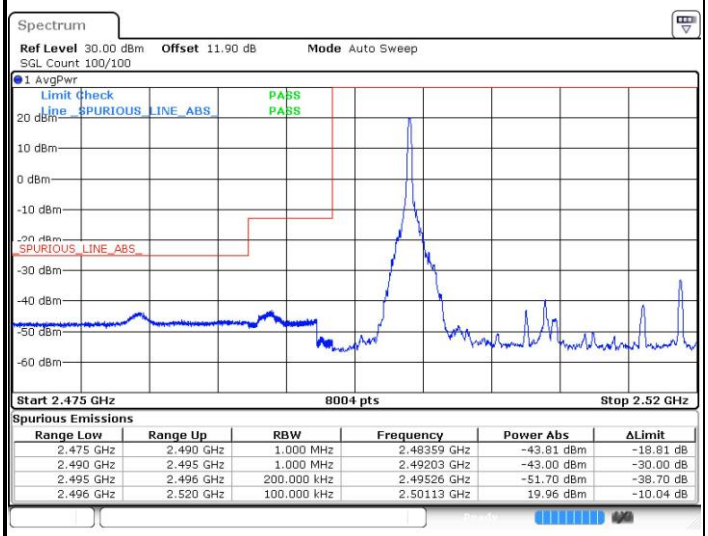
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.55835 GHz	0.81 dBm	-29.19 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-27.25 dBm	-17.25 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57144 GHz	-23.89 dBm	-13.89 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57590 GHz	-26.11 dBm	-13.11 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58534 GHz	-38.08 dBm	-13.08 dB

Date: 22.DEC.2016 12:28:22

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

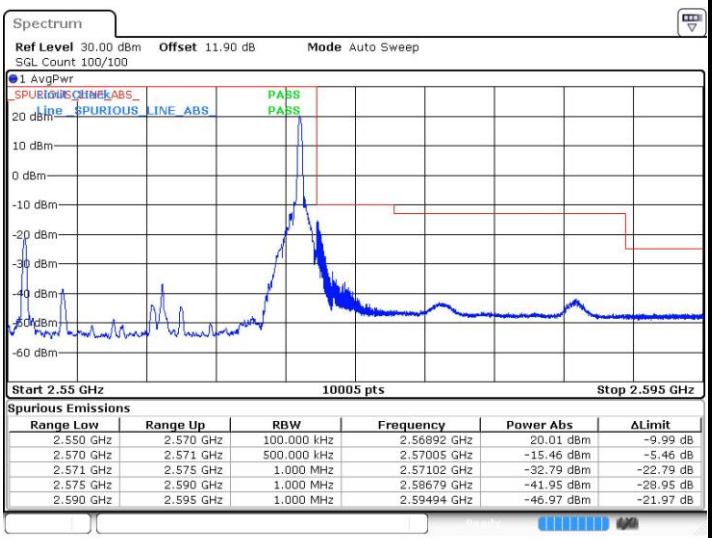


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48359 GHz	-43.81 dBm	-18.81 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49203 GHz	-43.00 dBm	-30.00 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49526 GHz	-51.70 dBm	-38.70 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50113 GHz	19.96 dBm	-10.04 dB

Date: 22.DEC.2016 12:29:31

Highest Band Edge / 1 RB

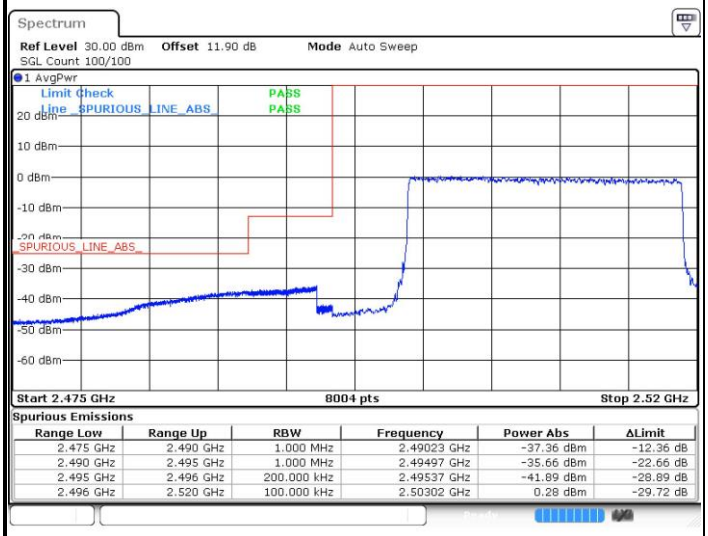


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	20.01 dBm	-9.99 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57005 GHz	-15.46 dBm	-5.46 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57102 GHz	-32.79 dBm	-22.79 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58679 GHz	-41.95 dBm	-28.95 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59494 GHz	-46.97 dBm	-21.97 dB

Date: 22.DEC.2016 12:34:10

Lowest Band Edge / Full RB

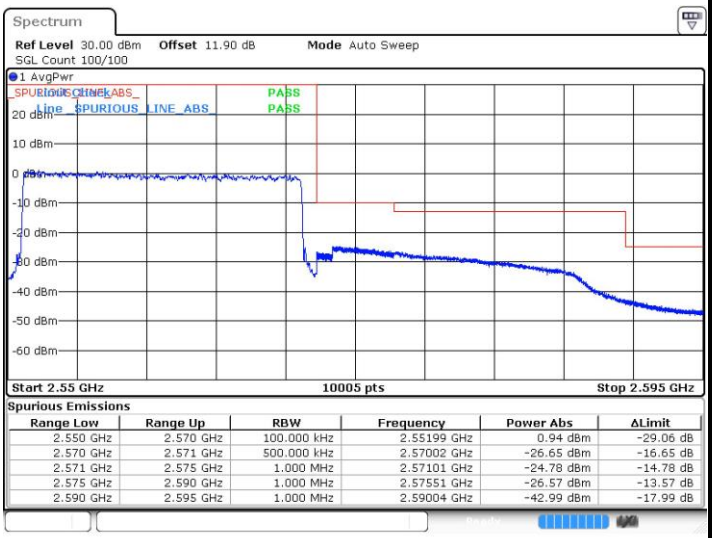


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-37.36 dBm	-12.36 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-35.66 dBm	-22.66 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49537 GHz	-41.89 dBm	-28.89 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50302 GHz	0.28 dBm	-29.72 dB

Date: 22.DEC.2016 12:31:51

Highest Band Edge / Full RB



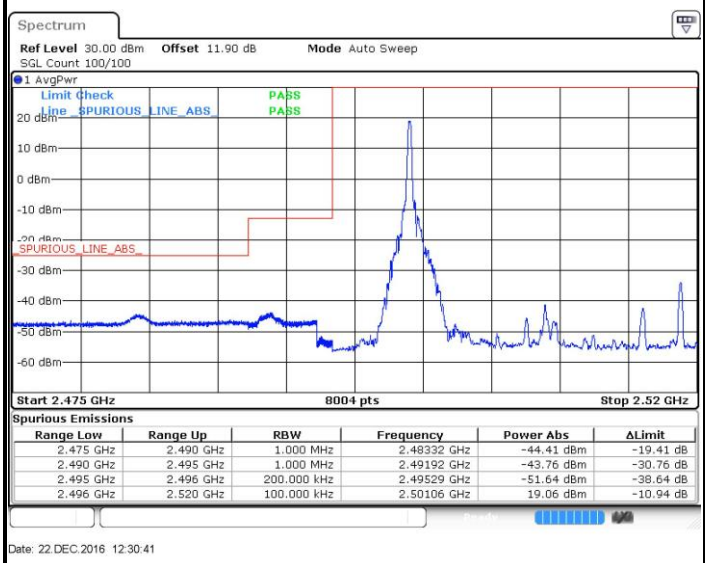
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55199 GHz	0.94 dBm	-29.06 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-26.65 dBm	-16.65 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57101 GHz	-24.78 dBm	-14.78 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57551 GHz	-26.57 dBm	-13.57 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59004 GHz	-42.99 dBm	-17.99 dB

Date: 22.DEC.2016 12:37:39

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

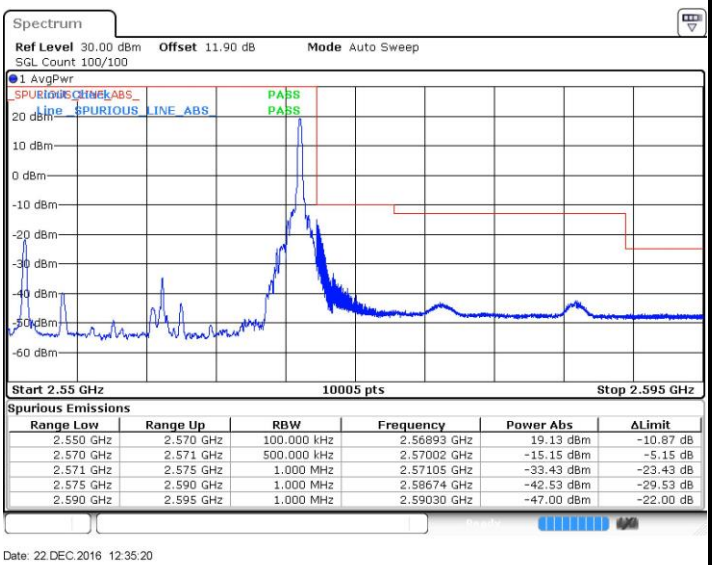


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48332 GHz	-44.41 dBm	-19.41 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49192 GHz	-43.76 dBm	-30.76 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49529 GHz	-51.64 dBm	-38.64 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50106 GHz	19.06 dBm	-10.94 dB

Date: 22.DEC.2016 12:30:41

Highest Band Edge / 1RB

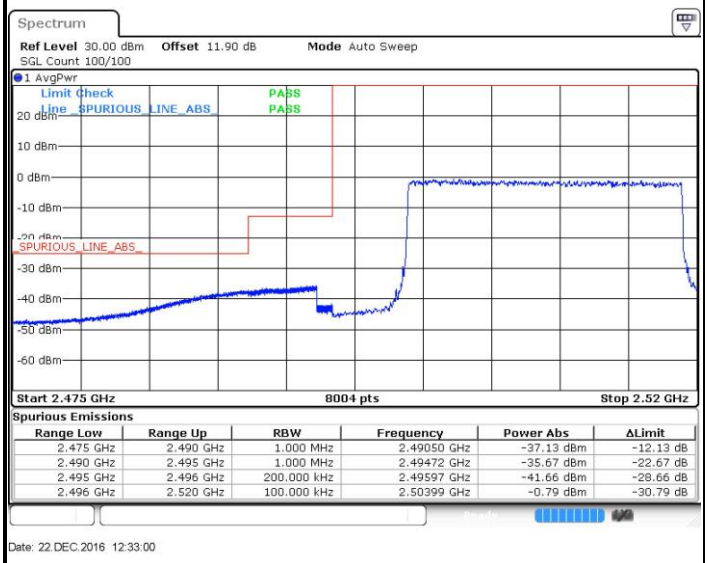


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	19.13 dBm	-10.87 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-15.15 dBm	-5.15 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-33.43 dBm	-23.43 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.58674 GHz	-42.53 dBm	-29.53 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59030 GHz	-47.00 dBm	-22.00 dB

Date: 22.DEC.2016 12:35:20

Lowest Band Edge / Full RB

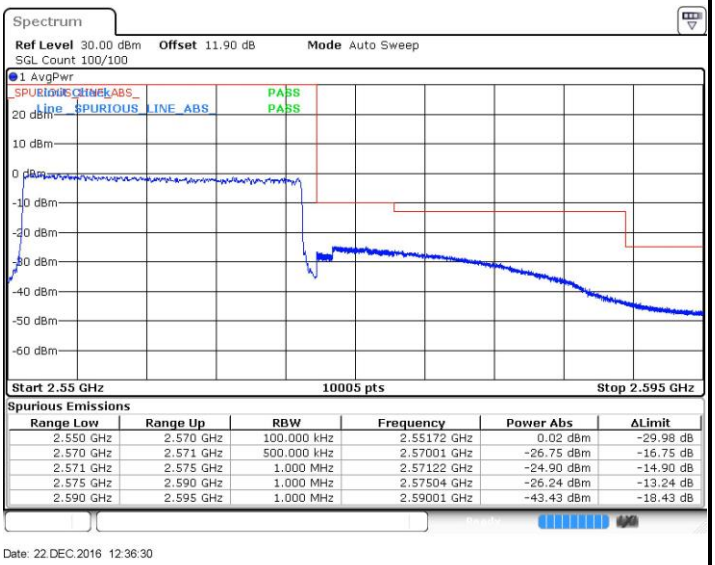


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49050 GHz	-37.13 dBm	-12.13 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49472 GHz	-35.67 dBm	-22.67 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-41.66 dBm	-28.66 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50399 GHz	-0.79 dBm	-30.79 dB

Date: 22.DEC.2016 12:33:00

Highest Band Edge / Full RB



Spurious Emissions

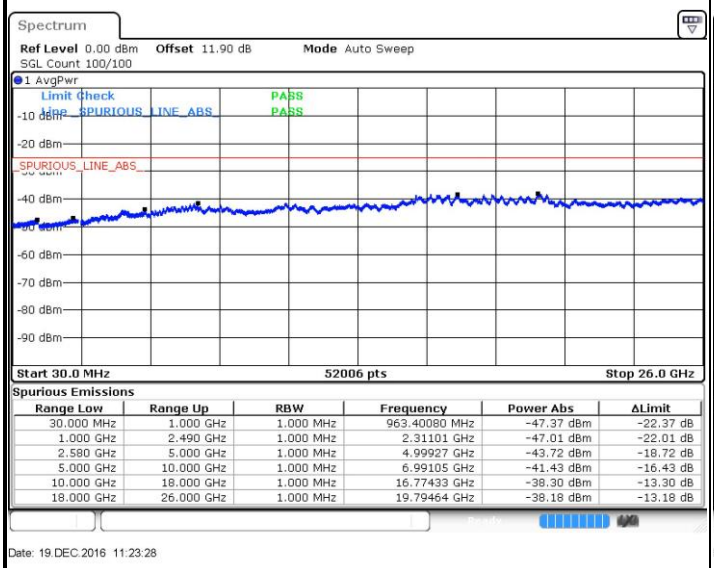
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55172 GHz	0.02 dBm	-29.98 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-26.75 dBm	-16.75 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-24.90 dBm	-14.90 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57504 GHz	-26.24 dBm	-13.24 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59001 GHz	-43.43 dBm	-18.43 dB

Date: 22.DEC.2016 12:36:30

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

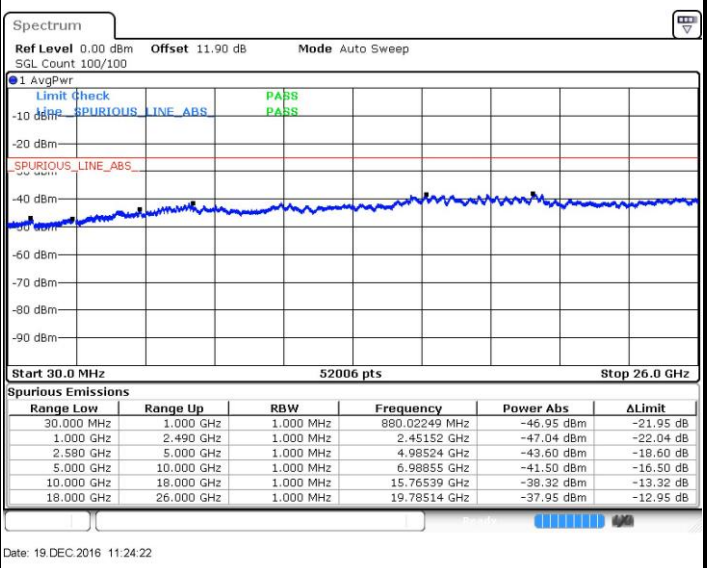


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-47.37 dBm	-22.37 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31101 GHz	-47.01 dBm	-22.01 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99927 GHz	-43.72 dBm	-18.72 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-41.43 dBm	-16.43 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.77433 GHz	-38.30 dBm	-13.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79464 GHz	-38.18 dBm	-13.18 dB

Date: 19.DEC.2016 11:23:28

Lowest Channel / 16QAM

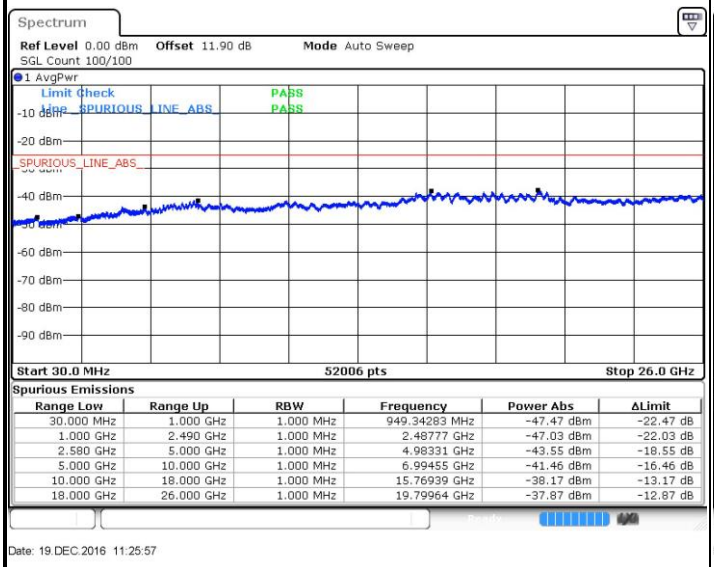


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45152 GHz	-47.04 dBm	-22.04 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98524 GHz	-43.60 dBm	-18.60 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98855 GHz	-41.50 dBm	-16.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76539 GHz	-38.32 dBm	-13.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78514 GHz	-37.95 dBm	-12.95 dB

Date: 19.DEC.2016 11:24:22

Middle Channel / QPSK

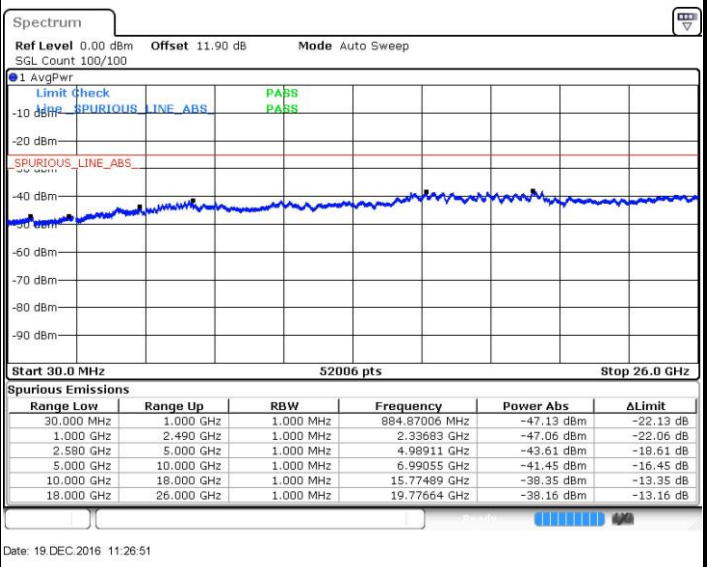


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-47.47 dBm	-22.47 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-47.03 dBm	-22.03 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98331 GHz	-43.55 dBm	-18.55 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99455 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76939 GHz	-38.17 dBm	-13.17 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79964 GHz	-37.87 dBm	-12.87 dB

Date: 19.DEC.2016 11:25:57

Middle Channel / 16QAM



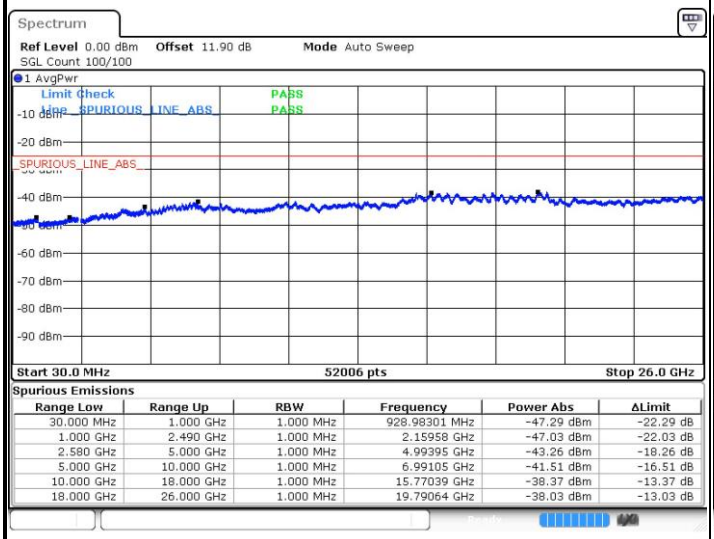
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	884.87006 MHz	-47.13 dBm	-22.13 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.33683 GHz	-47.06 dBm	-22.06 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98911 GHz	-43.61 dBm	-18.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99055 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77489 GHz	-38.35 dBm	-13.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.77664 GHz	-38.16 dBm	-13.16 dB

Date: 19.DEC.2016 11:26:51

LTE Band 7 / 5MHz

Highest Channel / QPSK

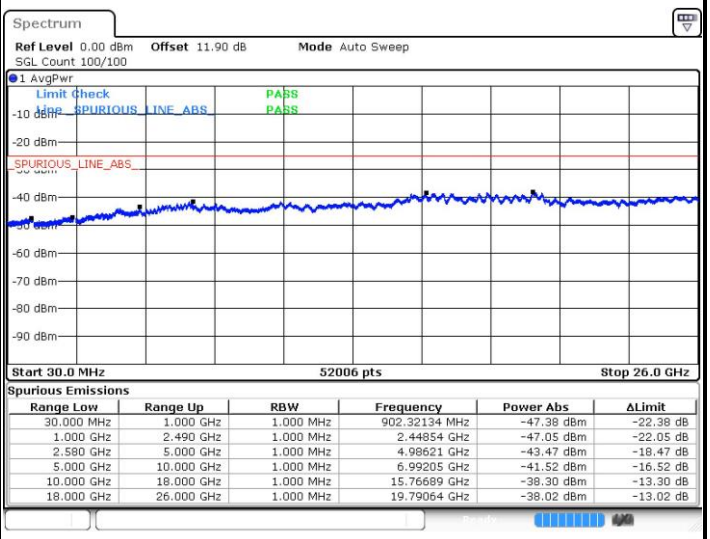


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-47.29 dBm	-22.29 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15958 GHz	-47.03 dBm	-22.03 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99395 GHz	-43.26 dBm	-18.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-41.51 dBm	-16.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77039 GHz	-38.37 dBm	-13.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79064 GHz	-38.03 dBm	-13.03 dB

Date: 19.DEC.2016 11:33:06

Highest Channel / 16QAM



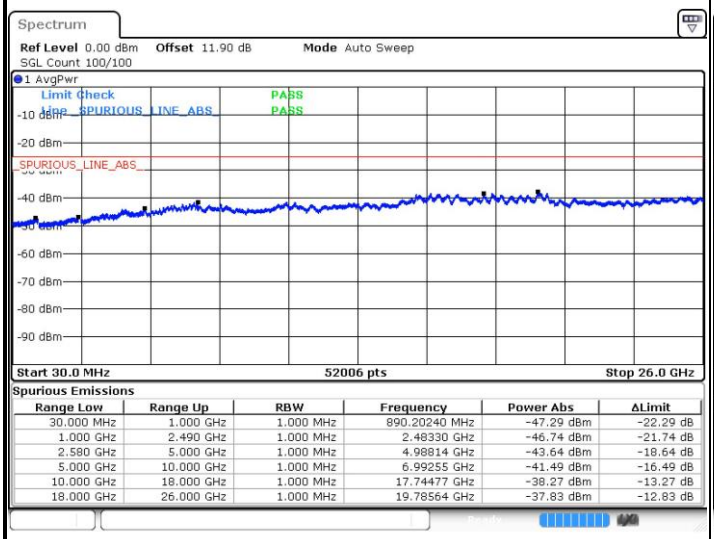
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.32134 MHz	-47.38 dBm	-22.38 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44854 GHz	-47.05 dBm	-22.05 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98621 GHz	-43.47 dBm	-18.47 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99205 GHz	-41.52 dBm	-16.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76689 GHz	-38.30 dBm	-13.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79064 GHz	-38.02 dBm	-13.02 dB

Date: 19.DEC.2016 11:34:00

LTE Band 7 / 10MHz

Lowest Channel / QPSK

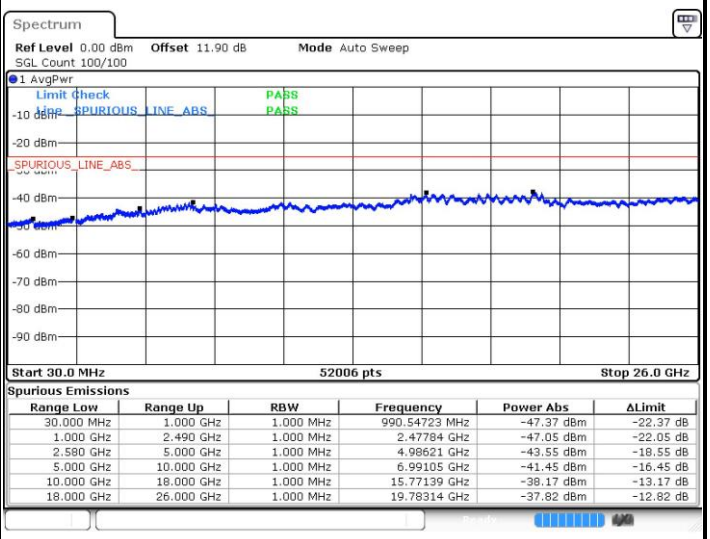


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-47.29 dBm	-22.29 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-46.74 dBm	-21.74 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98814 GHz	-43.64 dBm	-18.64 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99255 GHz	-41.49 dBm	-16.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.74477 GHz	-38.27 dBm	-13.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78564 GHz	-37.83 dBm	-12.83 dB

Date: 19.DEC.2016 11:40:14

Lowest Channel / 16QAM



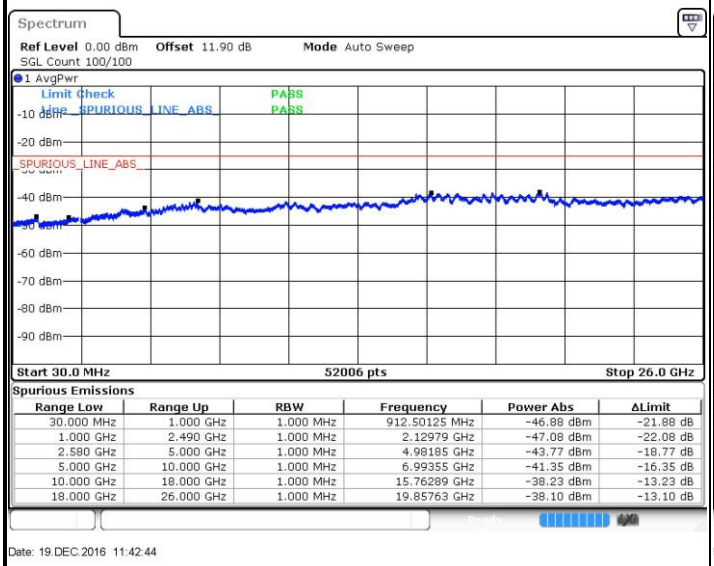
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-47.37 dBm	-22.37 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47784 GHz	-47.05 dBm	-22.05 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98621 GHz	-43.55 dBm	-18.55 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77139 GHz	-38.17 dBm	-13.17 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78314 GHz	-37.82 dBm	-12.82 dB

Date: 19.DEC.2016 11:41:08

LTE Band 7 / 10MHz

Middle Channel / QPSK

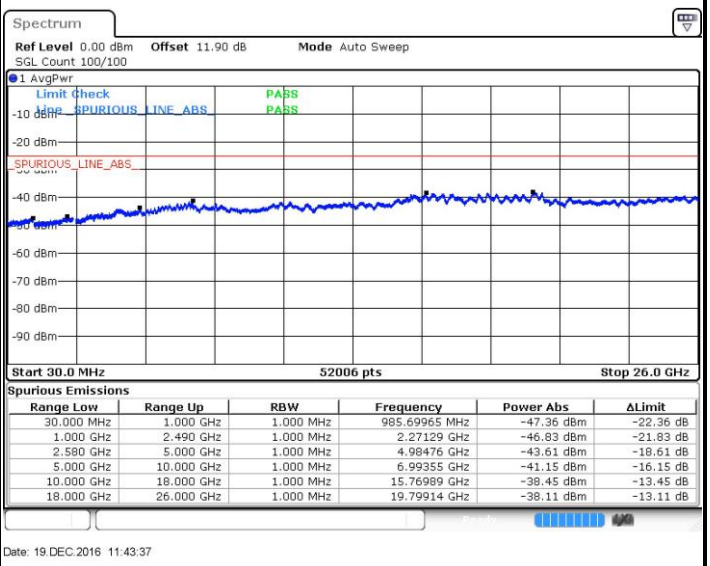


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.50125 MHz	-46.88 dBm	-21.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.12979 GHz	-47.08 dBm	-22.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98185 GHz	-43.77 dBm	-18.77 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-41.35 dBm	-16.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76289 GHz	-38.23 dBm	-13.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85763 GHz	-38.10 dBm	-13.10 dB

Date: 19.DEC.2016 11:42:44

Middle Channel / 16QAM

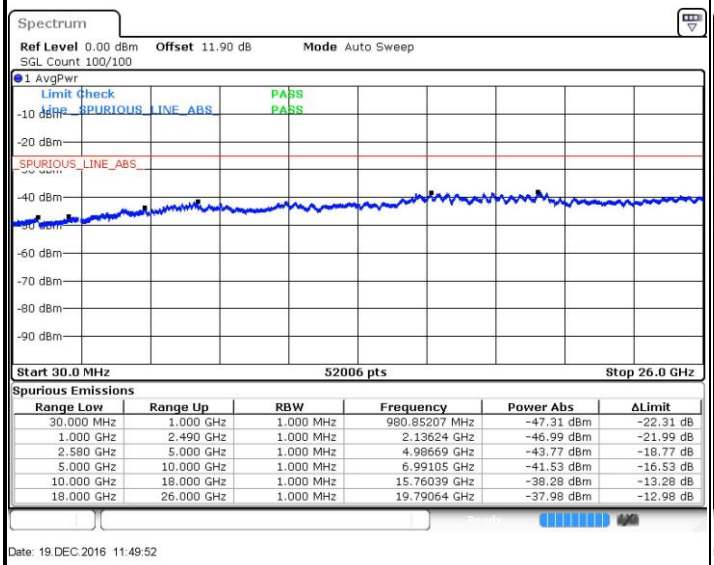


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.69965 MHz	-47.36 dBm	-22.36 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.27129 GHz	-46.83 dBm	-21.83 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98476 GHz	-43.61 dBm	-18.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-41.15 dBm	-16.15 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76989 GHz	-38.45 dBm	-13.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79914 GHz	-38.11 dBm	-13.11 dB

Date: 19.DEC.2016 11:43:37

Highest Channel / QPSK

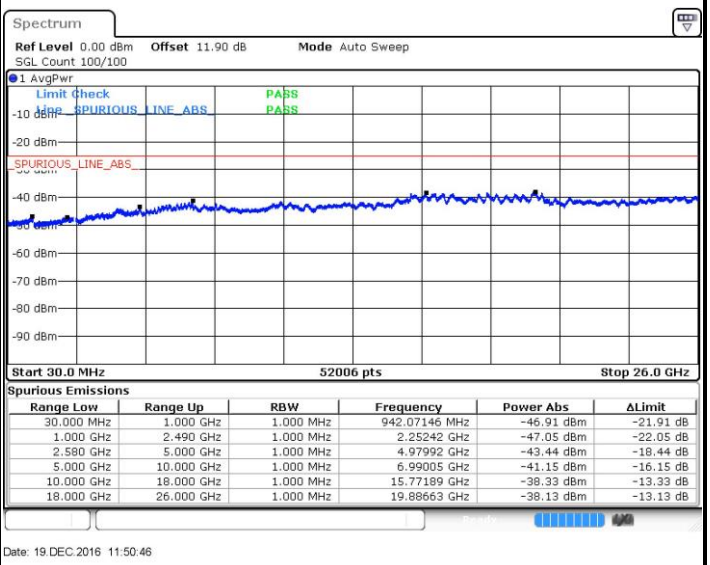


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-47.31 dBm	-22.31 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.13624 GHz	-46.99 dBm	-21.99 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98669 GHz	-43.77 dBm	-18.77 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99105 GHz	-41.53 dBm	-16.53 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76039 GHz	-38.28 dBm	-13.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79064 GHz	-37.98 dBm	-12.98 dB

Date: 19.DEC.2016 11:49:52

Highest Channel / 16QAM



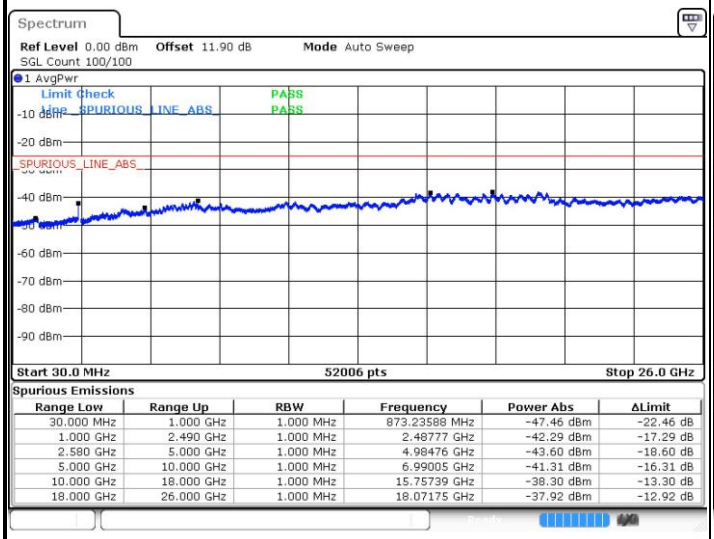
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-46.91 dBm	-21.91 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.25242 GHz	-47.05 dBm	-22.05 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97992 GHz	-43.44 dBm	-18.44 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-41.15 dBm	-16.15 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.77189 GHz	-38.33 dBm	-13.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88663 GHz	-38.13 dBm	-13.13 dB

Date: 19.DEC.2016 11:50:46

LTE Band 7 / 15MHz

Lowest Channel / QPSK

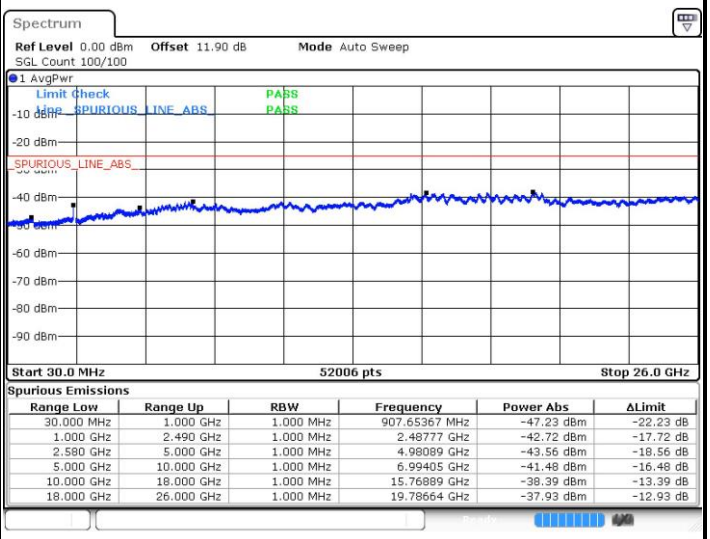


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.23588 MHz	-47.46 dBm	-22.46 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-42.29 dBm	-17.29 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98476 GHz	-43.60 dBm	-18.60 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99005 GHz	-41.31 dBm	-16.31 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.75739 GHz	-38.30 dBm	-13.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.07175 GHz	-37.92 dBm	-12.92 dB

Date: 19.DEC.2016 11:57:01

Lowest Channel / 16QAM

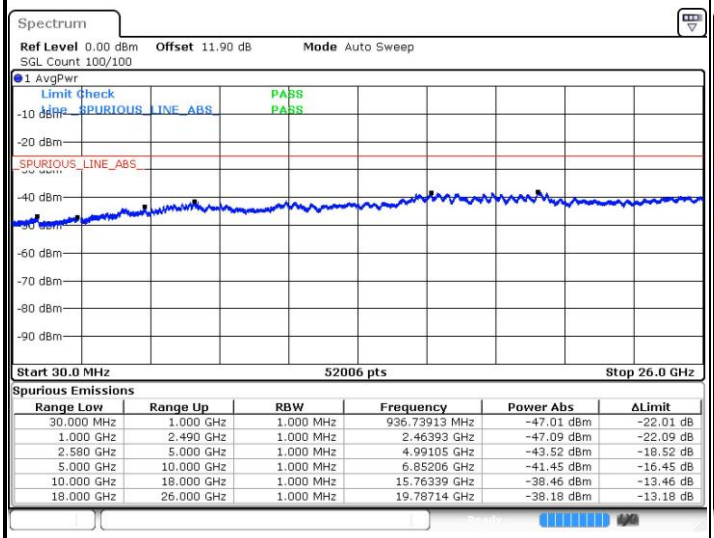


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.65367 MHz	-47.23 dBm	-22.23 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-42.72 dBm	-17.72 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98089 GHz	-43.56 dBm	-18.56 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99405 GHz	-41.48 dBm	-16.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76889 GHz	-38.39 dBm	-13.39 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78664 GHz	-37.93 dBm	-12.93 dB

Date: 19.DEC.2016 11:57:55

Middle Channel / QPSK

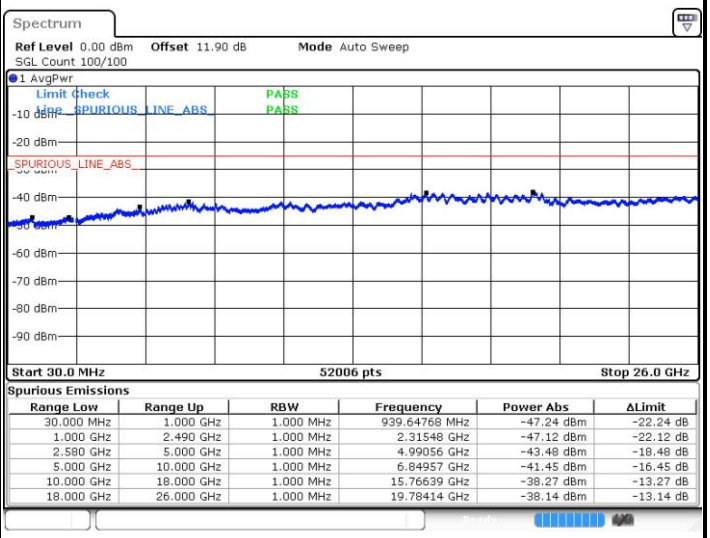


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-47.01 dBm	-22.01 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46393 GHz	-47.09 dBm	-22.09 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99105 GHz	-43.52 dBm	-18.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.85206 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76339 GHz	-38.46 dBm	-13.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78714 GHz	-38.18 dBm	-13.18 dB

Date: 19.DEC.2016 11:59:31

Middle Channel / 16QAM



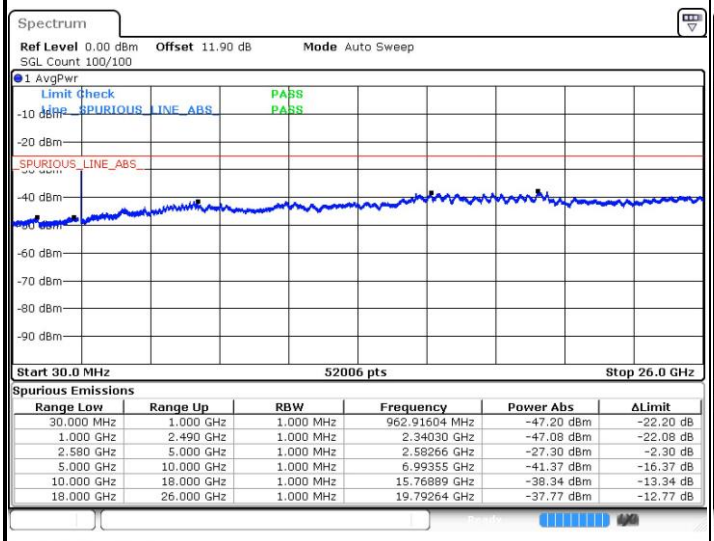
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-47.24 dBm	-22.24 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31548 GHz	-47.12 dBm	-22.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99056 GHz	-43.48 dBm	-18.48 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.84957 GHz	-41.45 dBm	-16.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76639 GHz	-38.27 dBm	-13.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78414 GHz	-38.14 dBm	-13.14 dB

Date: 19.DEC.2016 12:00:25

LTE Band7 / 15MHz

Highest Channel / QPSK

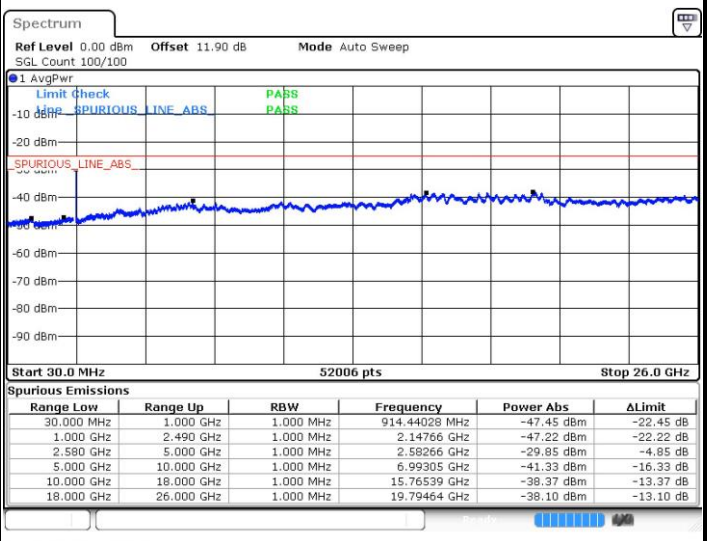


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-47.20 dBm	-22.20 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.34030 GHz	-47.08 dBm	-22.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-27.30 dBm	-2.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-41.37 dBm	-16.37 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76889 GHz	-38.34 dBm	-13.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79264 GHz	-37.77 dBm	-12.77 dB

Date: 19.DEC.2016 12:06:39

Highest Channel / 16QAM



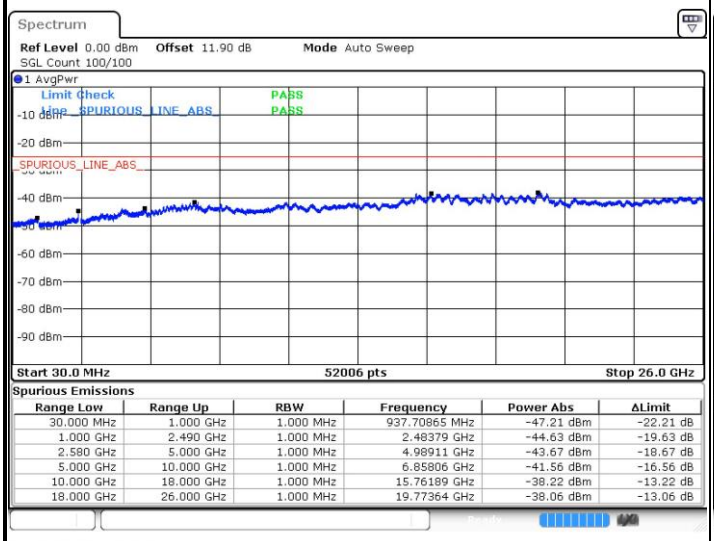
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-47.45 dBm	-22.45 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.14766 GHz	-47.22 dBm	-22.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-29.85 dBm	-4.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99305 GHz	-41.33 dBm	-16.33 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76539 GHz	-38.37 dBm	-13.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79464 GHz	-38.10 dBm	-13.10 dB

Date: 19.DEC.2016 12:07:33

LTE Band 7 / 20MHz

Lowest Channel / QPSK

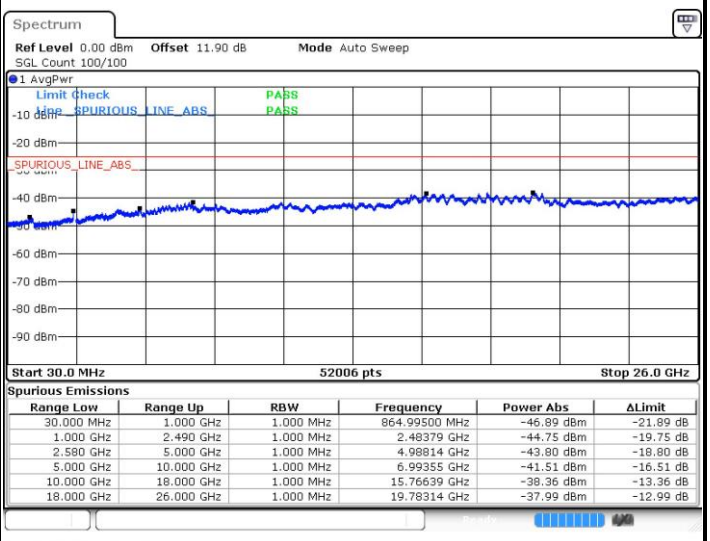


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-47.21 dBm	-22.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-44.63 dBm	-19.63 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98911 GHz	-43.67 dBm	-18.67 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.85806 GHz	-41.56 dBm	-16.56 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76189 GHz	-38.22 dBm	-13.22 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.77364 GHz	-38.06 dBm	-13.06 dB

Date: 19.DEC.2016 12:13:48

Lowest Channel / 16QAM



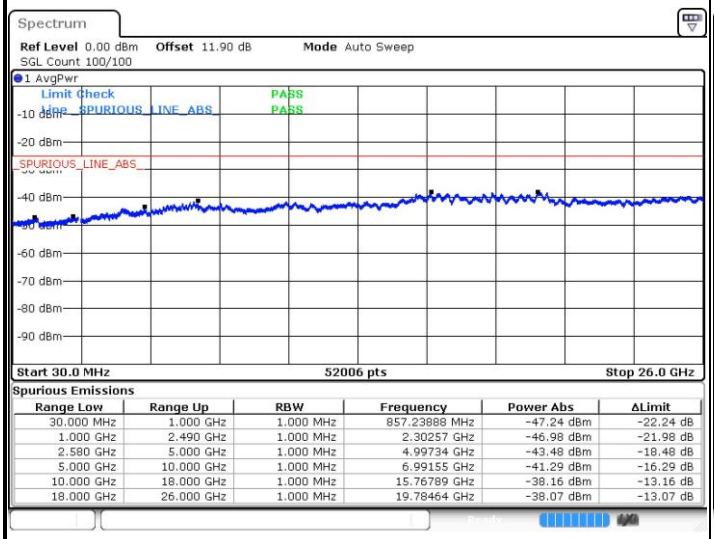
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.99500 MHz	-46.89 dBm	-21.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-44.75 dBm	-19.75 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98814 GHz	-43.80 dBm	-18.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99355 GHz	-41.51 dBm	-16.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76639 GHz	-38.36 dBm	-13.36 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78314 GHz	-37.99 dBm	-12.99 dB

Date: 19.DEC.2016 12:14:42

LTE Band 7 / 20MHz

Middle Channel / QPSK

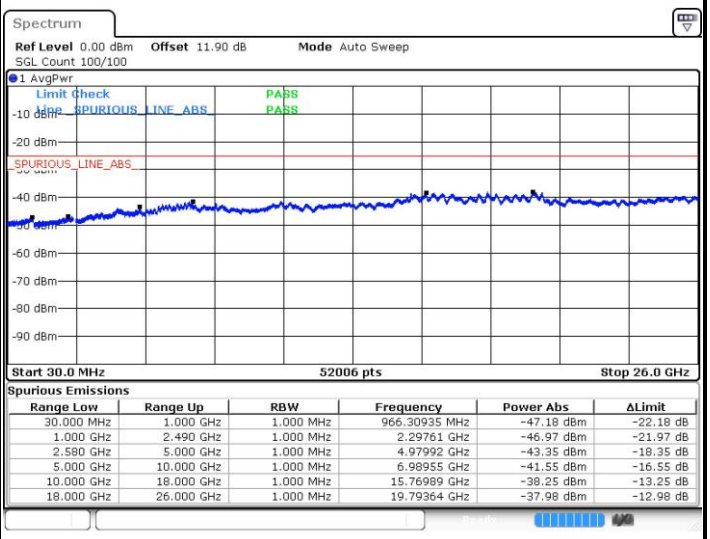


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	857.23888 MHz	-47.24 dBm	-22.24 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30257 GHz	-46.98 dBm	-21.98 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99734 GHz	-43.48 dBm	-18.48 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99155 GHz	-41.29 dBm	-16.29 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76789 GHz	-38.16 dBm	-13.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78464 GHz	-38.07 dBm	-13.07 dB

Date: 19.DEC.2016 12:16:17

Middle Channel / 16QAM

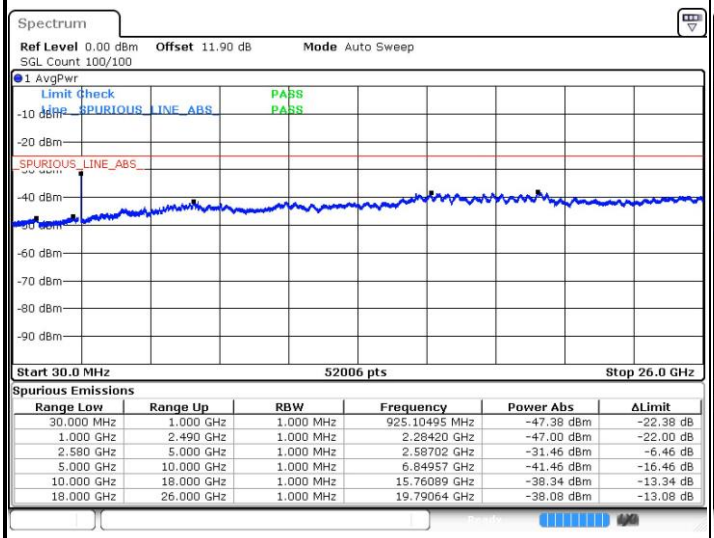


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.30935 MHz	-47.18 dBm	-22.18 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29761 GHz	-46.97 dBm	-21.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97992 GHz	-43.35 dBm	-18.35 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98955 GHz	-41.55 dBm	-16.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76989 GHz	-38.25 dBm	-13.25 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79364 GHz	-37.98 dBm	-12.98 dB

Date: 19.DEC.2016 12:17:11

Highest Channel / QPSK

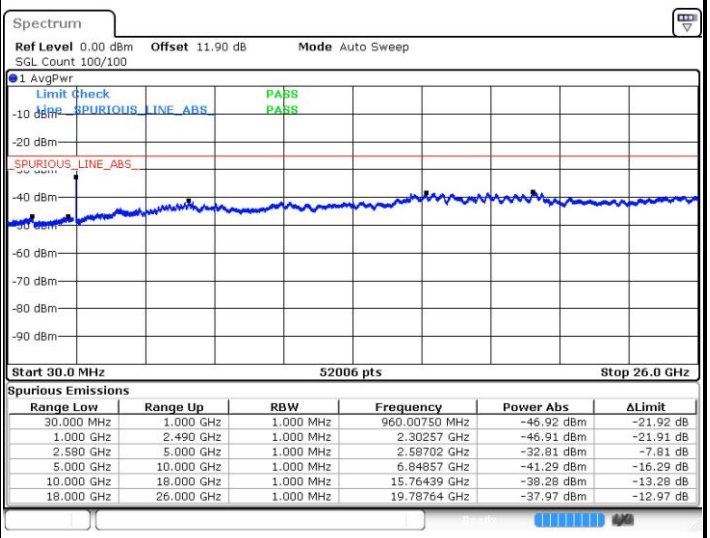


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-47.38 dBm	-22.38 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.28420 GHz	-47.00 dBm	-22.00 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-31.46 dBm	-6.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.84957 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76089 GHz	-38.34 dBm	-13.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79064 GHz	-38.08 dBm	-13.08 dB

Date: 19.DEC.2016 12:23:25

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-46.92 dBm	-21.92 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30257 GHz	-46.91 dBm	-21.91 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-32.81 dBm	-7.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.84857 GHz	-41.29 dBm	-16.29 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.76439 GHz	-38.28 dBm	-13.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.78764 GHz	-37.97 dBm	-12.97 dB

Date: 19.DEC.2016 12:24:19

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	0.0095	PASS
40	Normal Voltage	0.0095	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0094	
-10	Normal Voltage	0.0101	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0102	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0100	

Note:

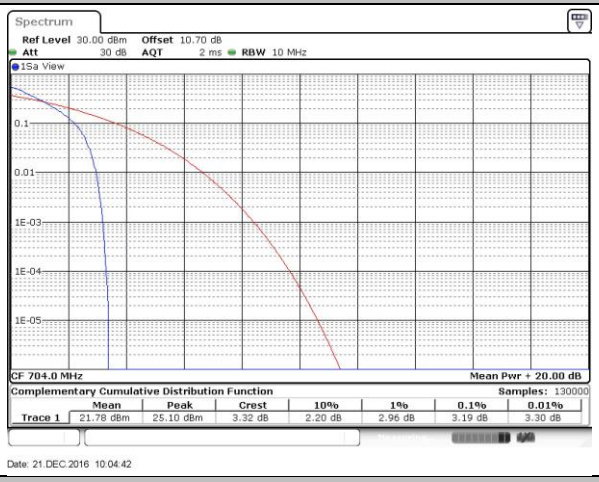
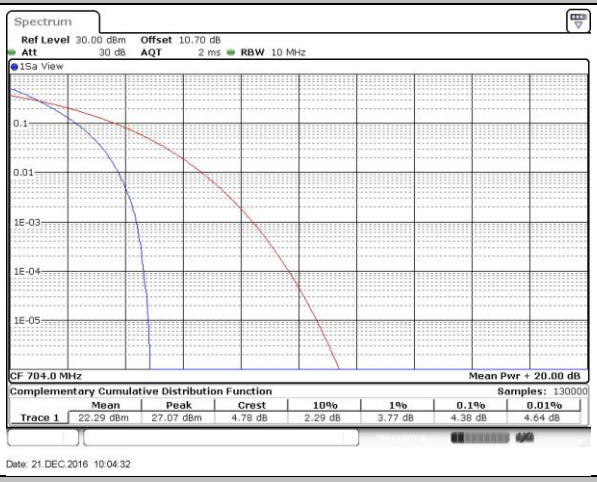
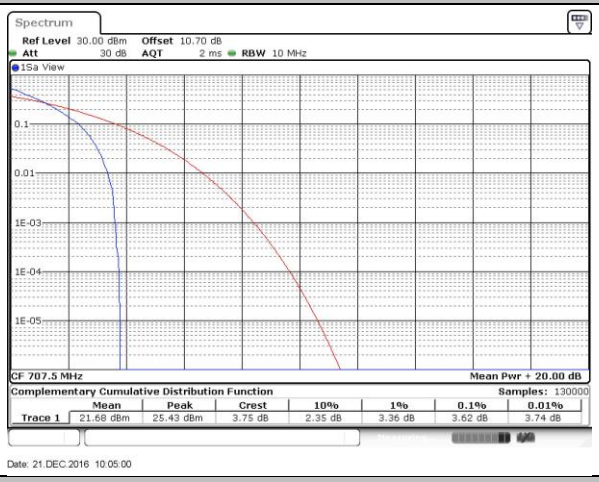
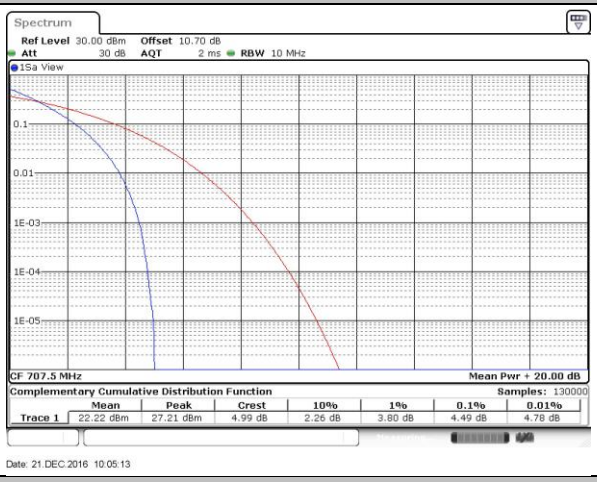
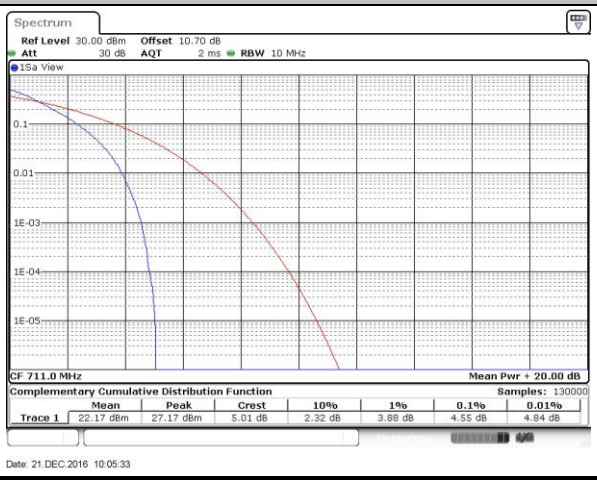
1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.

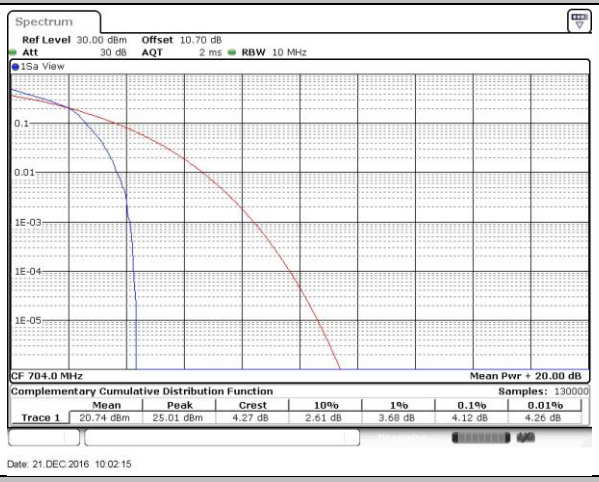
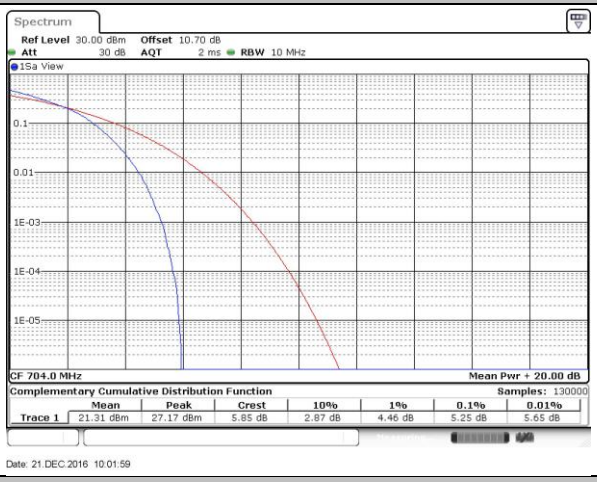
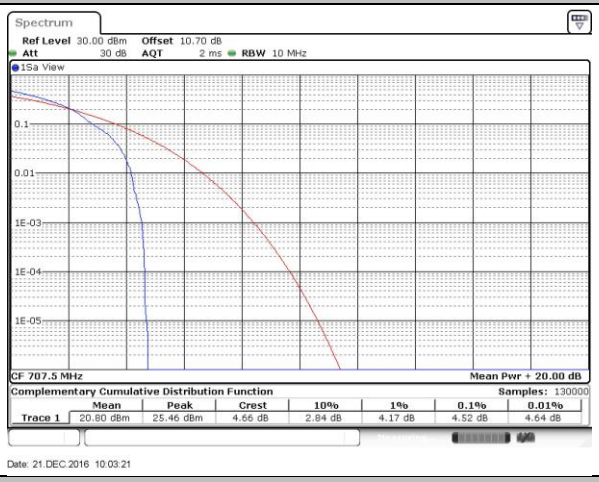
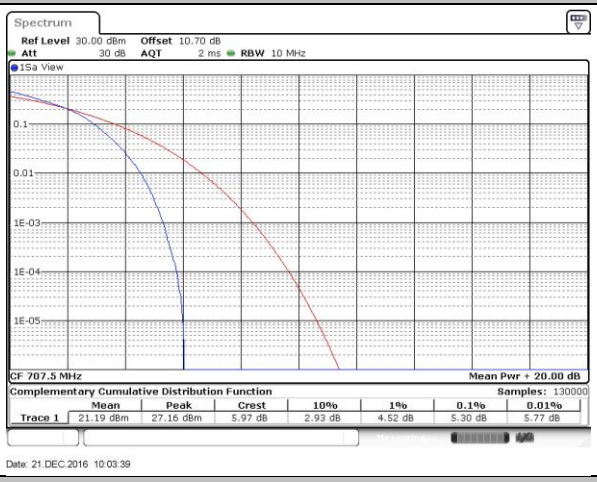
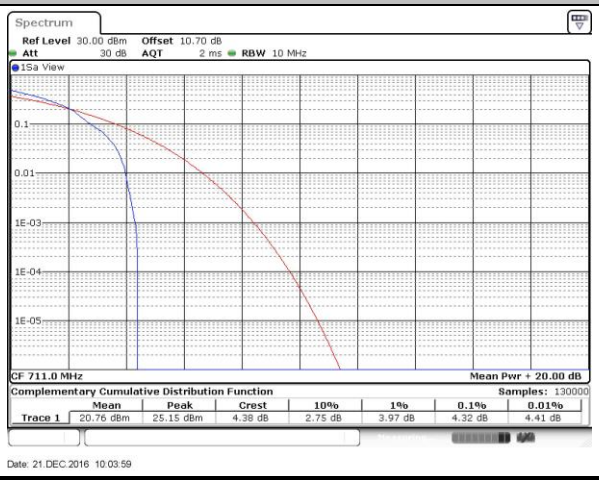
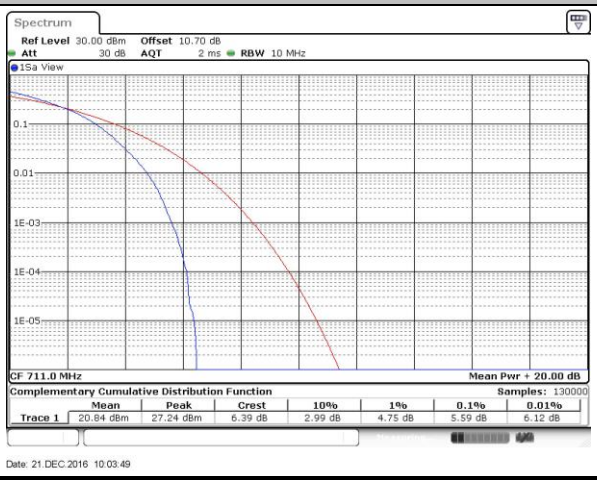
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 12

Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.19	4.38	4.12	5.25	PASS
Middle CH	3.62	4.49	4.52	5.3	
Highest CH	3.3	4.55	4.32	5.59	

LTE Band 12 / 10MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

LTE Band 12 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**