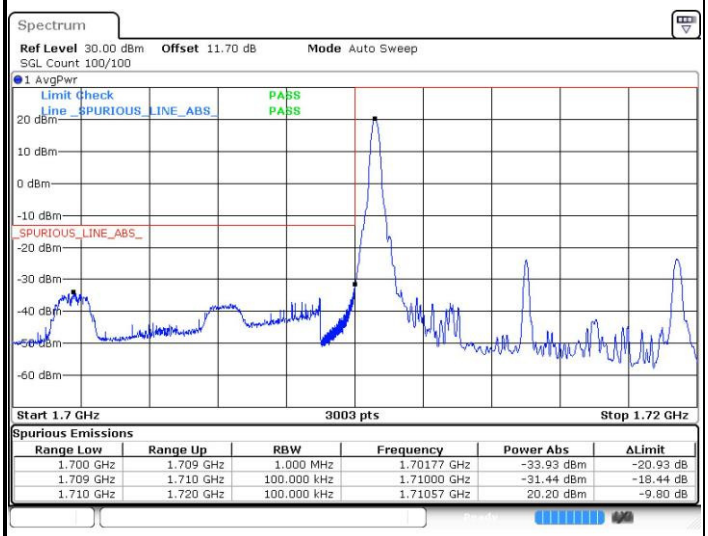
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

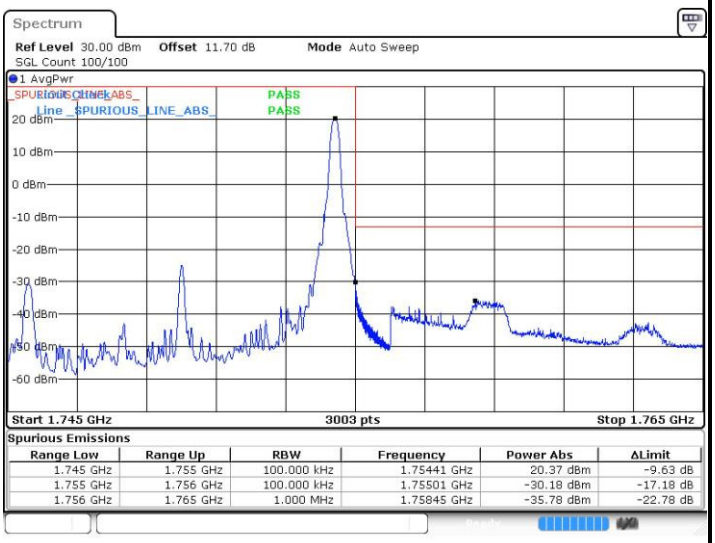


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70177 GHz	-33.93 dBm	-20.93 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-31.44 dBm	-18.44 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71057 GHz	20.20 dBm	-9.80 dB

Date: 23.APR.2016 13:18:05

Highest Band Edge / 1 RB

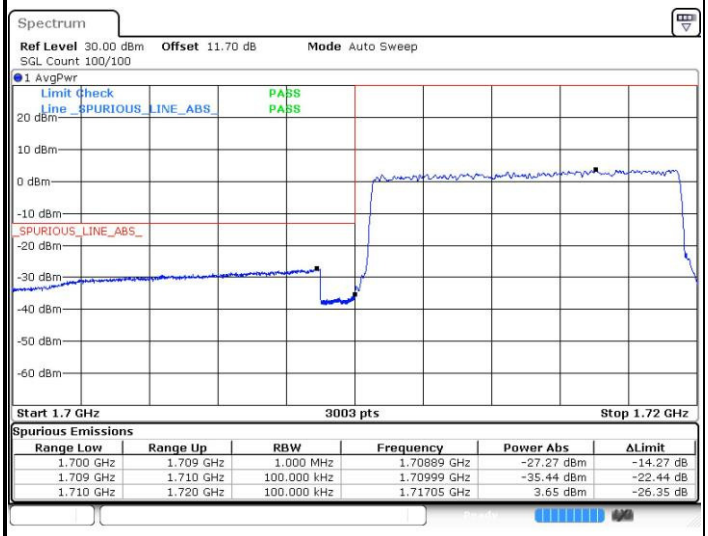


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75441 GHz	20.37 dBm	-9.63 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-30.18 dBm	-17.18 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75845 GHz	-35.78 dBm	-22.78 dB

Date: 23.APR.2016 13:27:45

Lowest Band Edge / Full RB

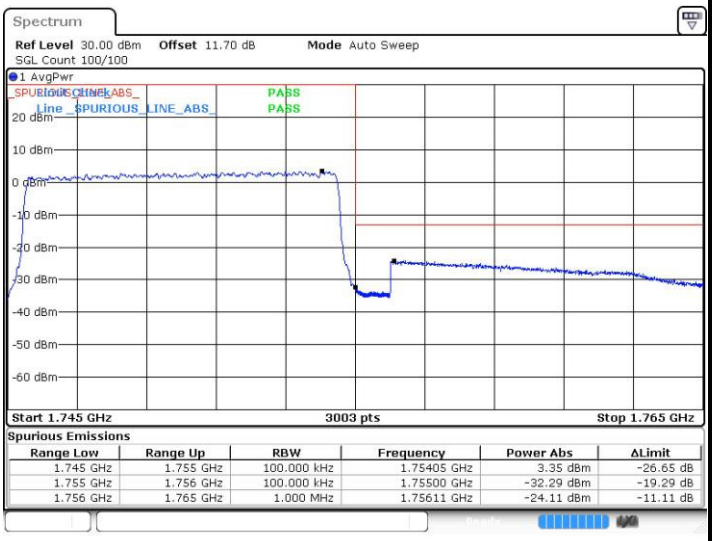


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-27.27 dBm	-14.27 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-35.44 dBm	-22.44 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71705 GHz	3.65 dBm	-26.35 dB

Date: 23.APR.2016 13:20:24

Highest Band Edge / Full RB



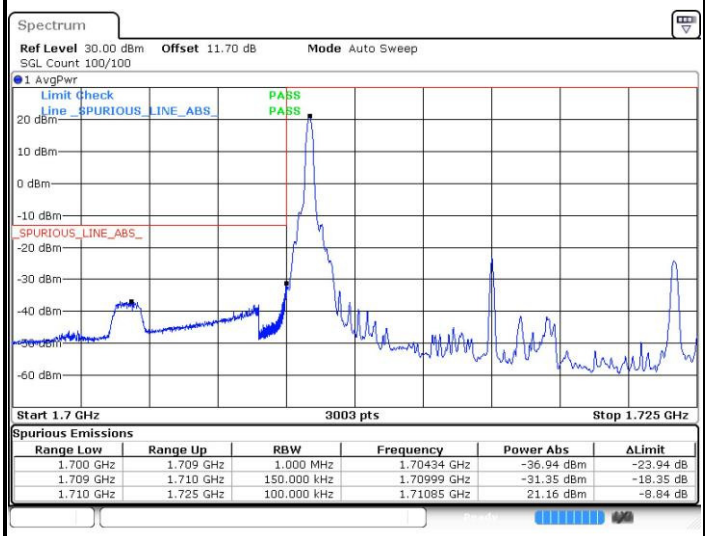
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75405 GHz	3.35 dBm	-26.65 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-32.29 dBm	-19.29 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75611 GHz	-24.11 dBm	-11.11 dB

Date: 23.APR.2016 13:30:04

LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB

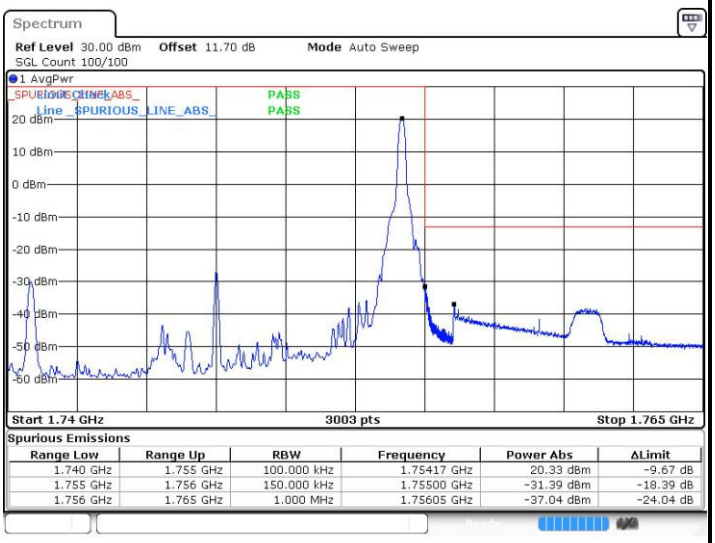


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70434 GHz	-36.94 dBm	-23.94 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-31.35 dBm	-18.35 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	21.16 dBm	-8.84 dB

Date: 23.APR.2016 13:33:45

Highest Band Edge / 1 RB

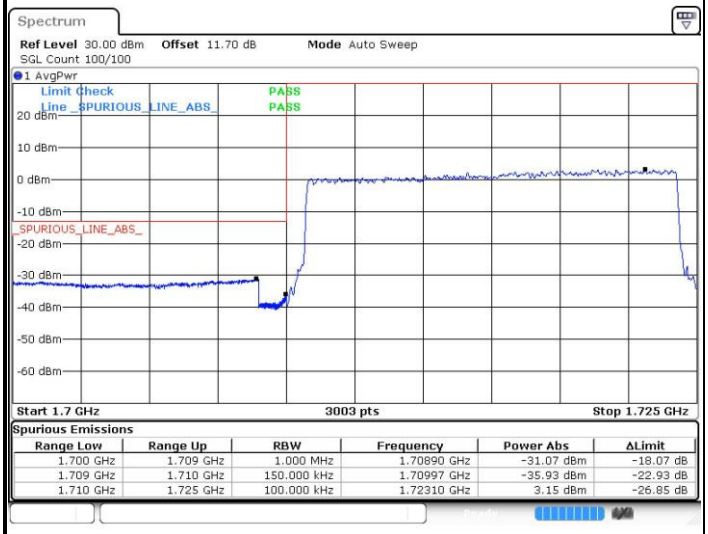


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75417 GHz	20.33 dBm	-9.67 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-31.39 dBm	-18.39 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-37.04 dBm	-24.04 dB

Date: 23.APR.2016 13:43:25

Lowest Band Edge / Full RB

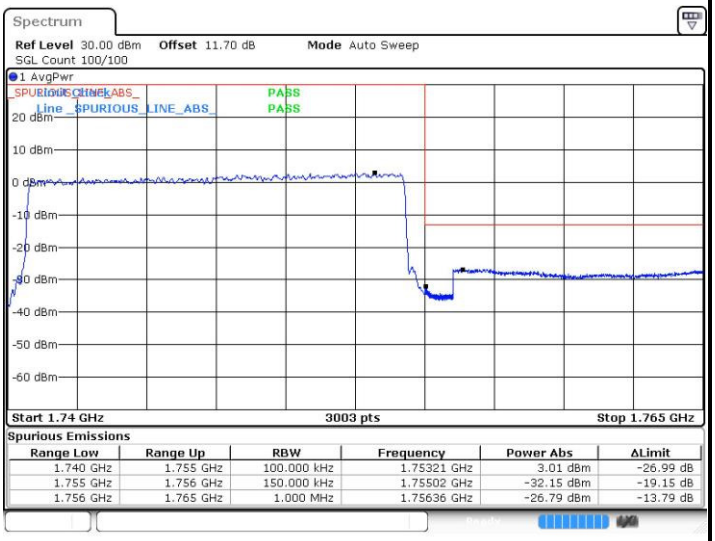


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-31.07 dBm	-18.07 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70997 GHz	-35.93 dBm	-22.93 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72310 GHz	3.15 dBm	-26.85 dB

Date: 23.APR.2016 13:36:03

Highest Band Edge / Full RB



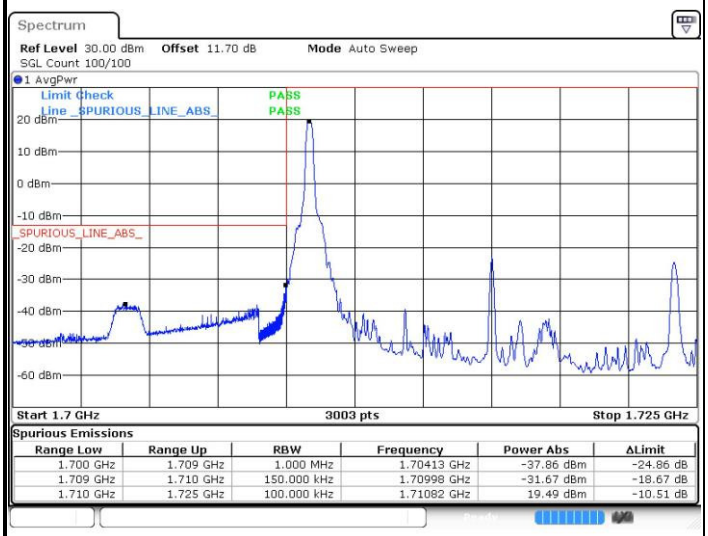
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75321 GHz	3.01 dBm	-26.99 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75502 GHz	-32.15 dBm	-19.15 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75636 GHz	-26.79 dBm	-13.79 dB

Date: 23.APR.2016 13:45:44

LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

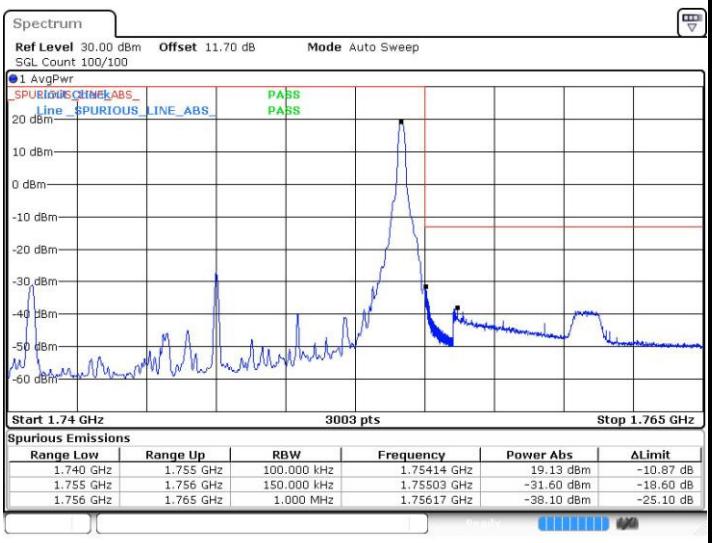


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70413 GHz	-37.86 dBm	-24.86 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70998 GHz	-31.67 dBm	-18.67 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71082 GHz	19.49 dBm	-10.51 dB

Date: 23.APR.2016 13:34:54

Highest Band Edge / 1 RB

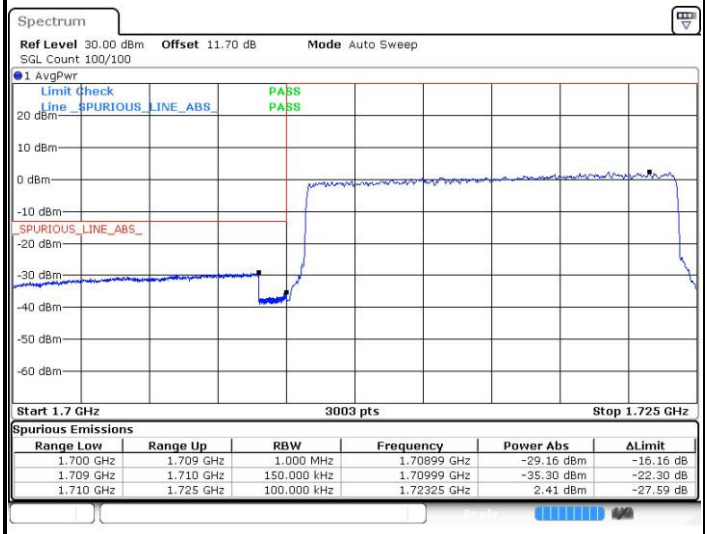


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75414 GHz	19.13 dBm	-10.87 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75503 GHz	-31.60 dBm	-18.60 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75617 GHz	-38.10 dBm	-25.10 dB

Date: 23.APR.2016 13:44:35

Lowest Band Edge / Full RB

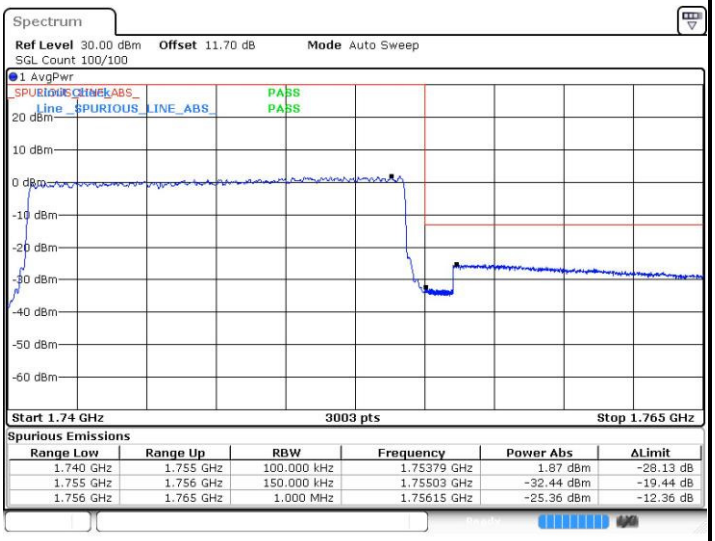


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-29.16 dBm	-16.16 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-35.30 dBm	-22.30 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72325 GHz	2.41 dBm	-27.59 dB

Date: 23.APR.2016 13:37:13

Highest Band Edge / Full RB



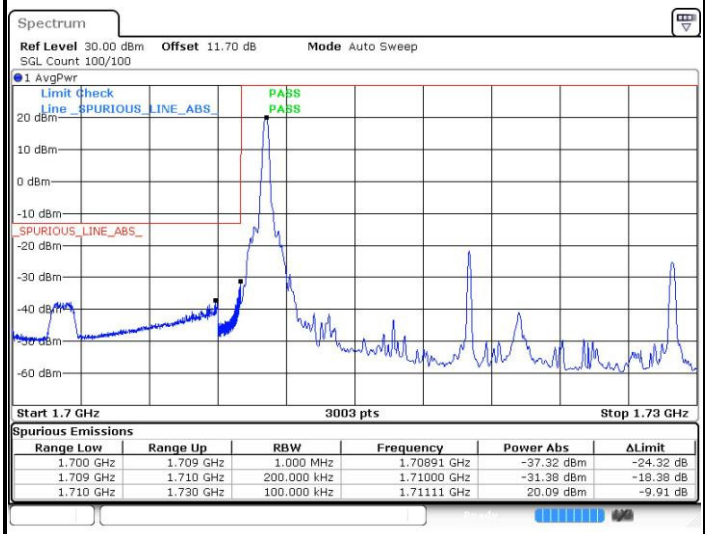
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75379 GHz	1.87 dBm	-28.13 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75503 GHz	-32.44 dBm	-19.44 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75615 GHz	-25.36 dBm	-12.36 dB

Date: 23.APR.2016 13:46:53

LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

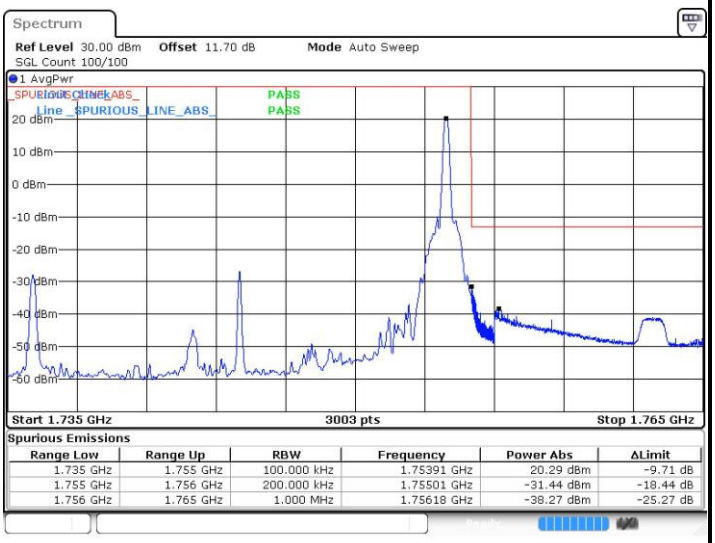


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-37.32 dBm	-24.32 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-31.38 dBm	-18.38 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71111 GHz	20.09 dBm	-9.91 dB

Date: 23.APR.2016 13:50:34

Highest Band Edge / 1 RB

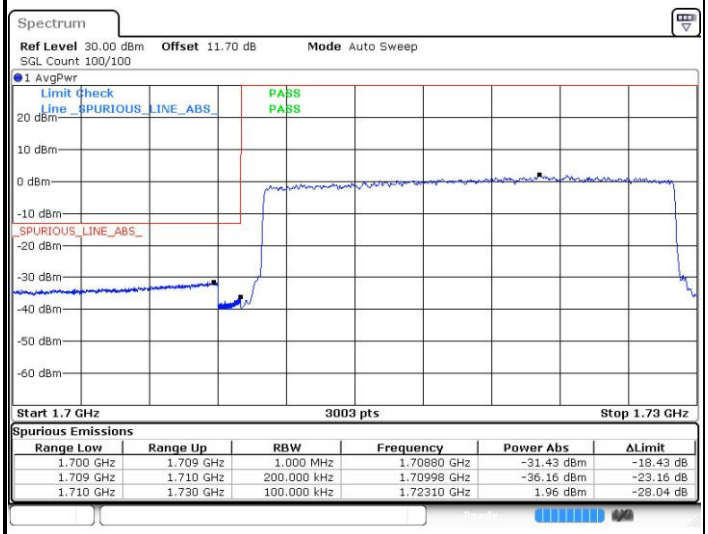


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	20.29 dBm	-9.71 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-31.44 dBm	-18.44 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75618 GHz	-38.27 dBm	-25.27 dB

Date: 23.APR.2016 14:00:15

Lowest Band Edge / Full RB

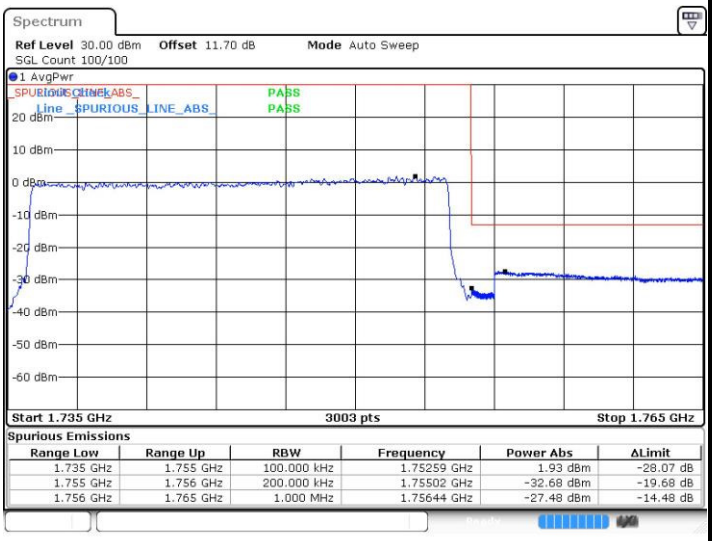


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70880 GHz	-31.43 dBm	-18.43 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-36.16 dBm	-23.16 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72310 GHz	1.96 dBm	-28.04 dB

Date: 23.APR.2016 13:52:53

Highest Band Edge / Full RB



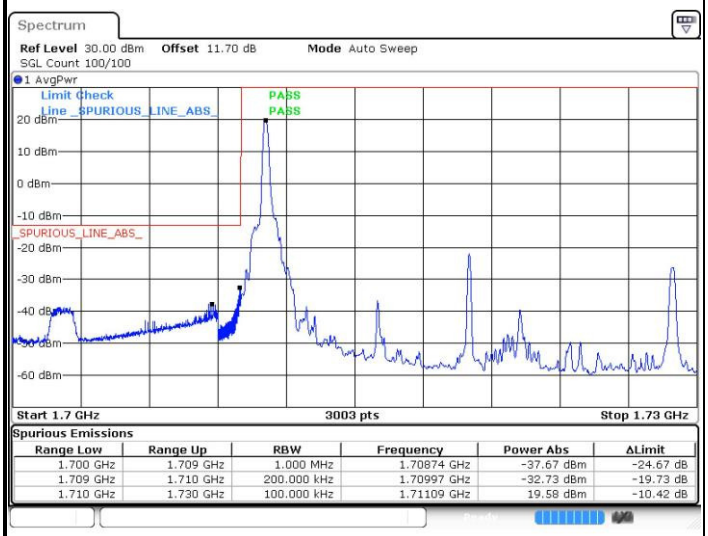
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75259 GHz	1.93 dBm	-28.07 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75502 GHz	-32.68 dBm	-19.68 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75644 GHz	-27.48 dBm	-14.48 dB

Date: 23.APR.2016 14:02:34

LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

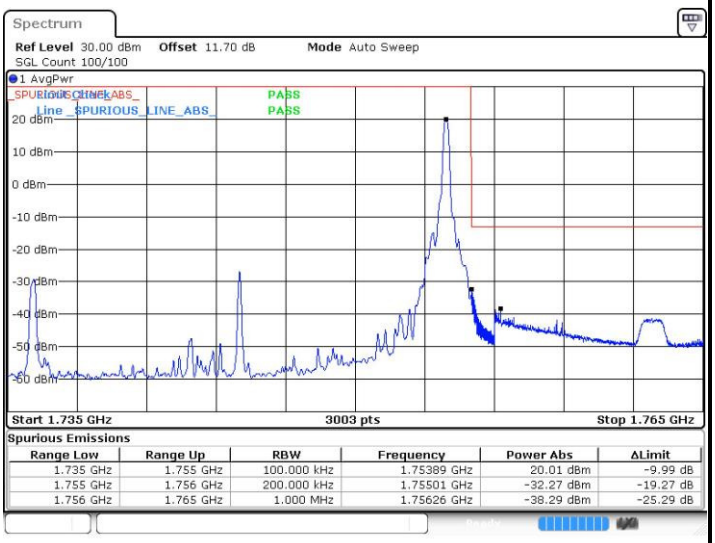


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70874 GHz	-37.67 dBm	-24.67 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70997 GHz	-32.73 dBm	-19.73 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	19.58 dBm	-10.42 dB

Date: 23.APR.2016 13:51:43

Highest Band Edge / 1 RB

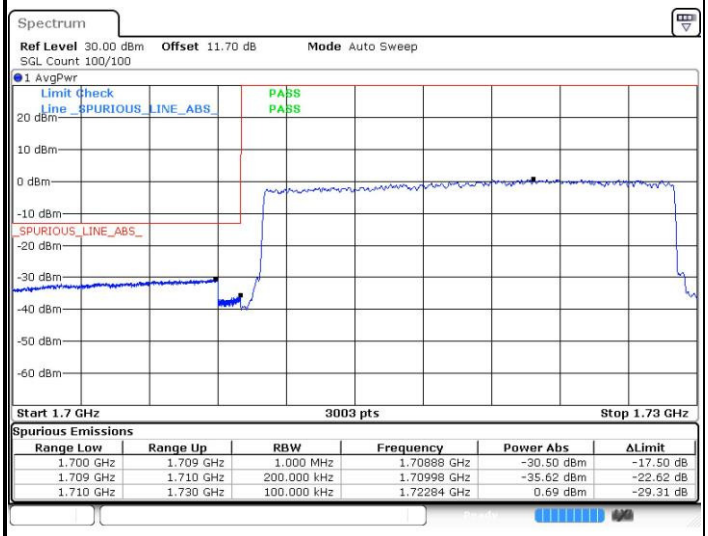


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75389 GHz	20.01 dBm	-9.99 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-32.27 dBm	-19.27 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75626 GHz	-38.29 dBm	-25.29 dB

Date: 23.APR.2016 14:01:24

Lowest Band Edge / Full RB

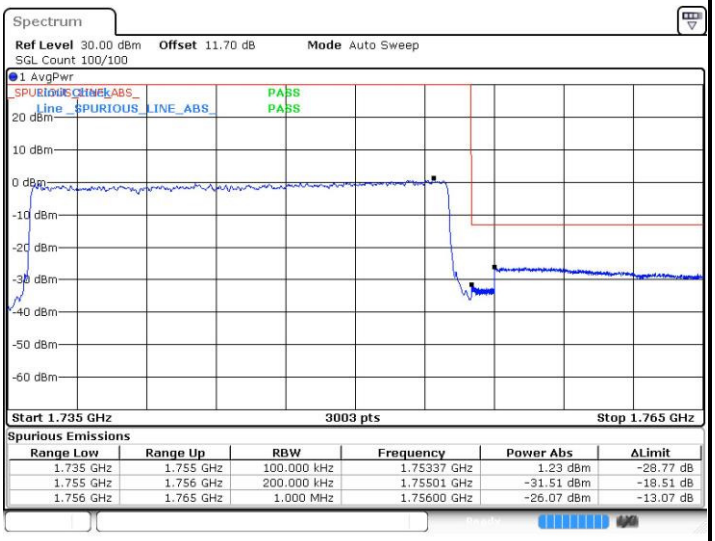


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70888 GHz	-30.50 dBm	-17.50 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-35.62 dBm	-22.62 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72284 GHz	0.69 dBm	-29.31 dB

Date: 23.APR.2016 13:54:02

Highest Band Edge / Full RB



Spurious Emissions

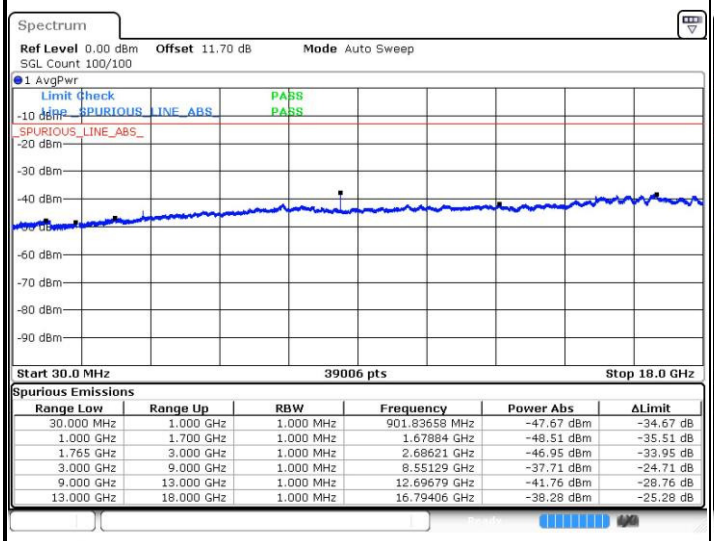
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75337 GHz	1.23 dBm	-28.77 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-31.51 dBm	-18.51 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-26.07 dBm	-13.07 dB

Date: 23.APR.2016 14:03:43

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

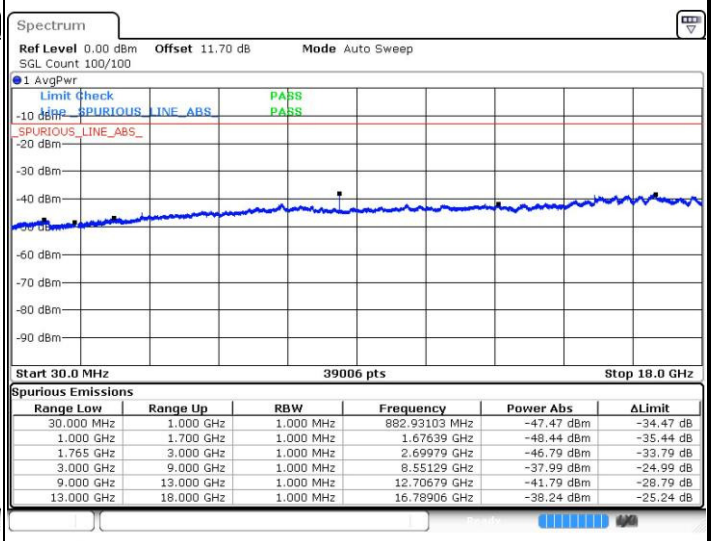


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-47.67 dBm	-34.67 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67884 GHz	-48.51 dBm	-35.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68621 GHz	-46.95 dBm	-33.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55129 GHz	-37.71 dBm	-24.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79406 GHz	-38.28 dBm	-25.28 dB

Date: 23.APR.2016 14:17:43

Lowest Channel / 16QAM

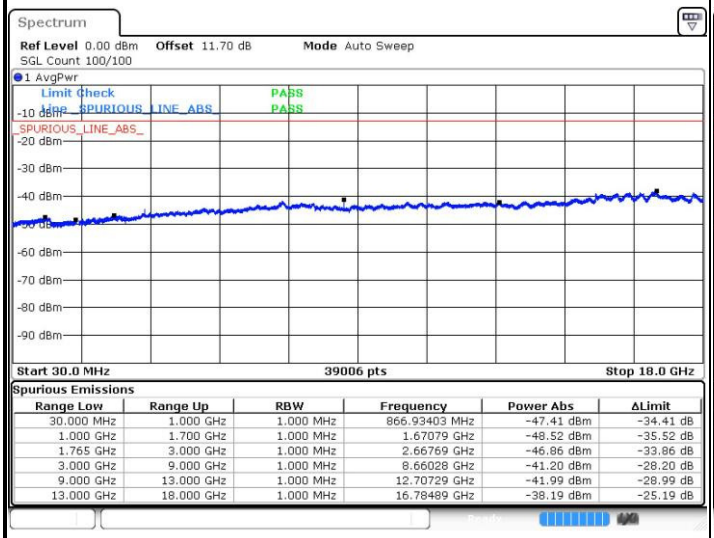


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.93103 MHz	-47.47 dBm	-34.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67639 GHz	-48.44 dBm	-35.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69979 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55129 GHz	-37.99 dBm	-24.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70679 GHz	-41.79 dBm	-28.79 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78906 GHz	-38.24 dBm	-25.24 dB

Date: 23.APR.2016 14:18:37

Middle Channel / QPSK

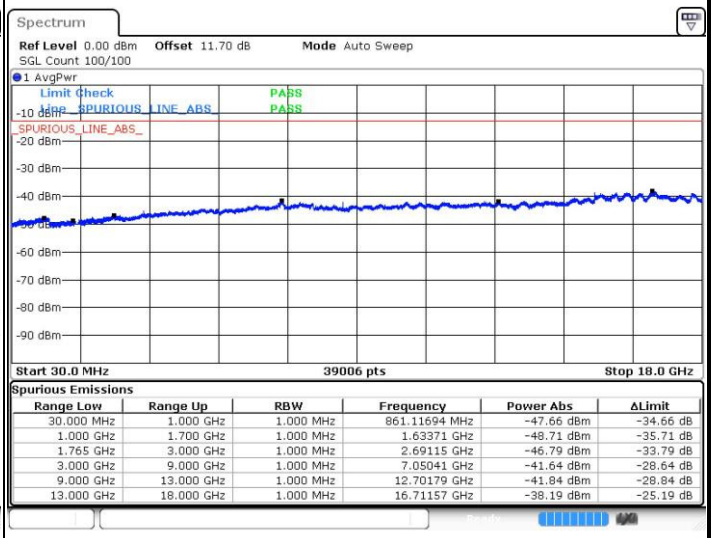


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	866.93403 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67079 GHz	-48.52 dBm	-35.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66769 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.66028 GHz	-41.20 dBm	-28.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70729 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78489 GHz	-38.19 dBm	-25.19 dB

Date: 23.APR.2016 14:20:14

Middle Channel / 16QAM



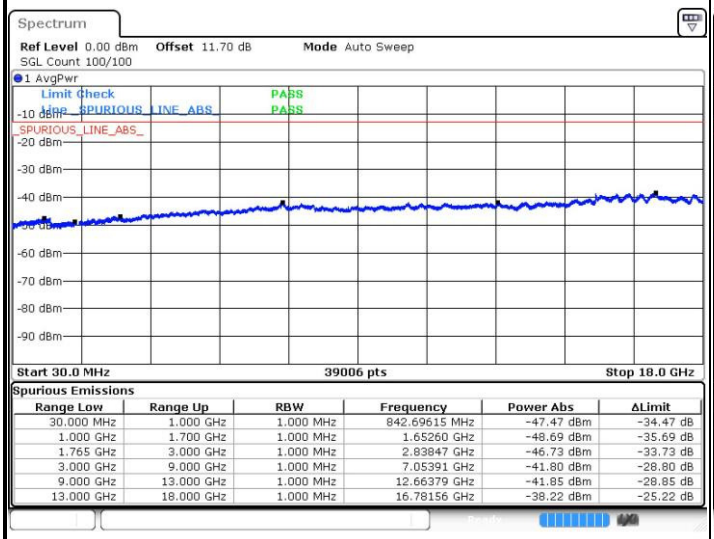
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-47.66 dBm	-34.66 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63371 GHz	-48.71 dBm	-35.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69115 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05041 GHz	-41.64 dBm	-28.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70179 GHz	-41.84 dBm	-28.84 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.71157 GHz	-38.19 dBm	-25.19 dB

Date: 23.APR.2016 14:21:09

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

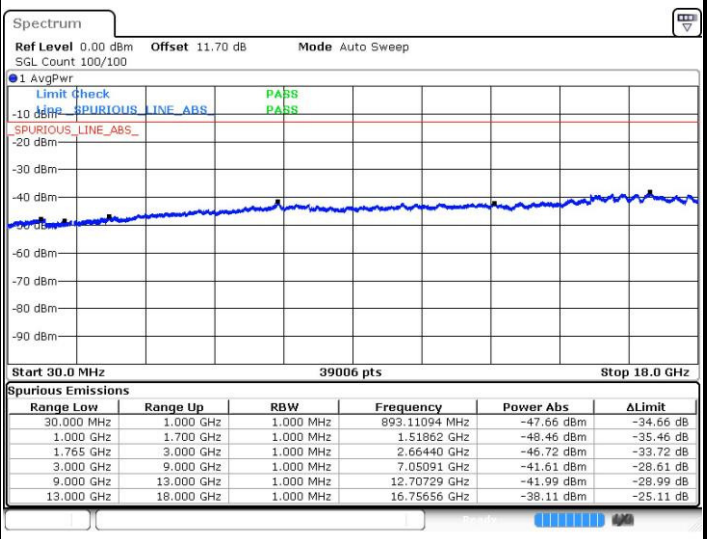


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	842.69615 MHz	-47.47 dBm	-34.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65260 GHz	-48.69 dBm	-35.69 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83847 GHz	-46.73 dBm	-33.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-41.80 dBm	-28.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66379 GHz	-41.85 dBm	-28.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78156 GHz	-38.22 dBm	-25.22 dB

Date: 23.APR.2016 14:27:23

Highest Channel / 16QAM



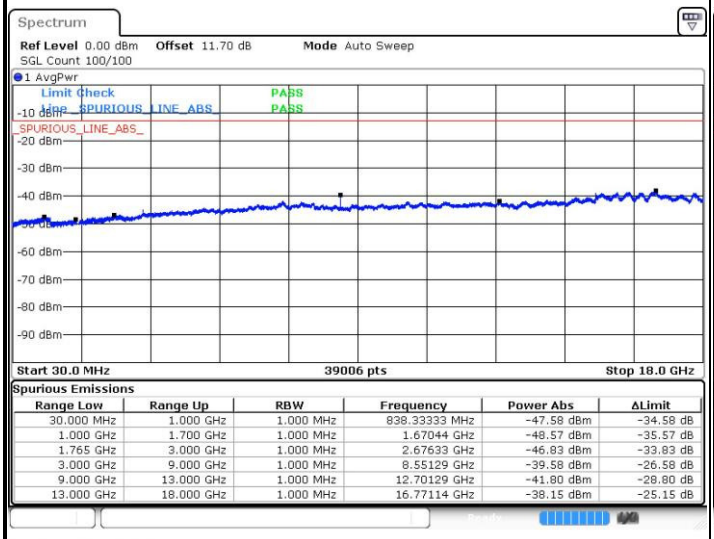
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-47.66 dBm	-34.66 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.51862 GHz	-48.46 dBm	-35.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66440 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05091 GHz	-41.61 dBm	-28.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70729 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.75656 GHz	-38.11 dBm	-25.11 dB

Date: 23.APR.2016 14:28:18

LTE Band 4 / 3MHz

Lowest Channel / QPSK

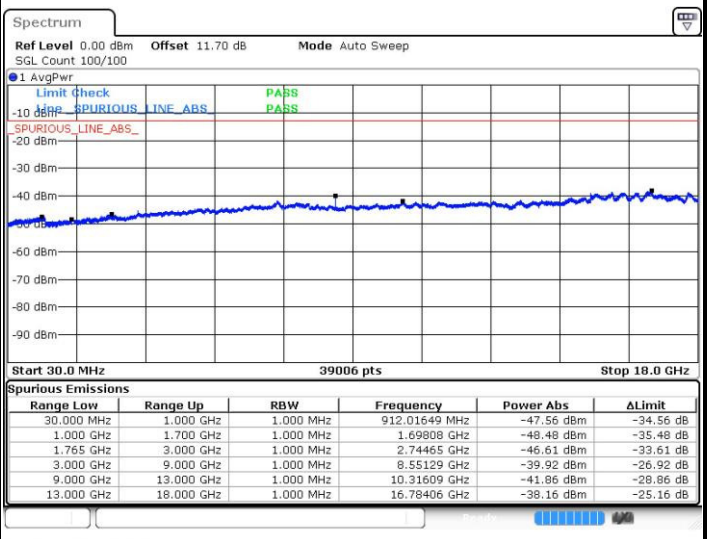


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	838.33333 MHz	-47.58 dBm	-34.58 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67044 GHz	-48.57 dBm	-35.57 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67633 GHz	-46.83 dBm	-33.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55129 GHz	-39.58 dBm	-26.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70129 GHz	-41.80 dBm	-28.80 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77114 GHz	-38.15 dBm	-25.15 dB

Date: 23.APR.2016 12:42:03

Lowest Channel / 16QAM



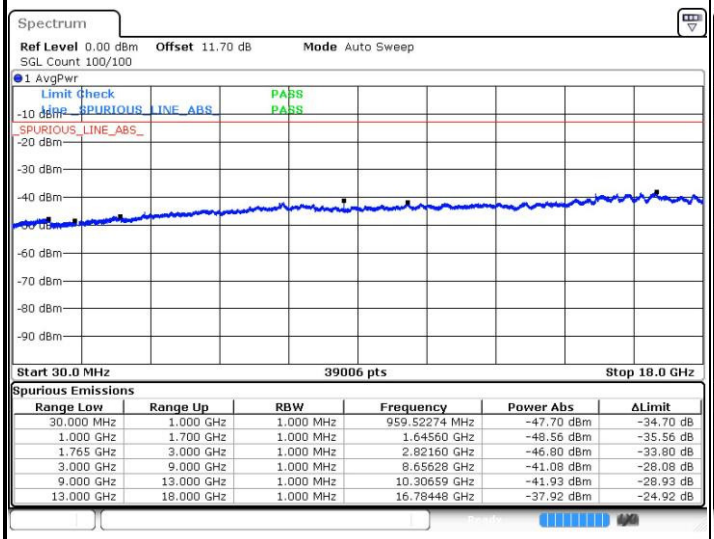
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-47.56 dBm	-34.56 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-48.48 dBm	-35.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.74465 GHz	-46.61 dBm	-33.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55129 GHz	-39.92 dBm	-26.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31609 GHz	-41.86 dBm	-28.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78406 GHz	-38.16 dBm	-25.16 dB

Date: 23.APR.2016 12:42:58

LTE Band 4 / 3MHz

Middle Channel / QPSK

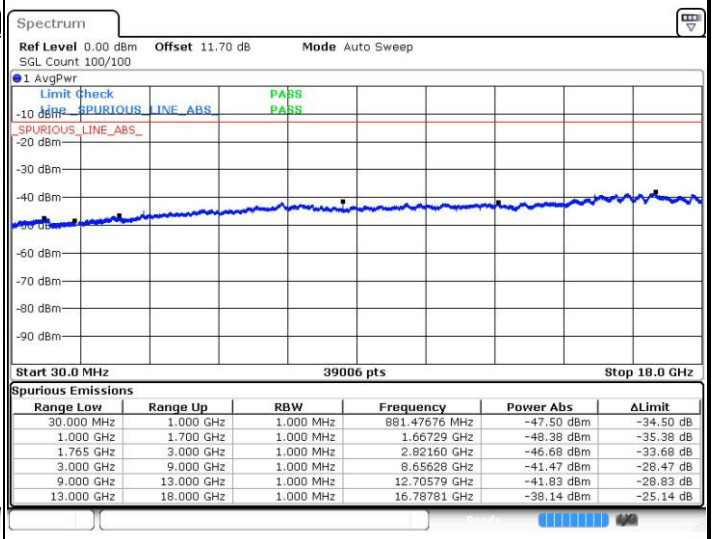


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-47.70 dBm	-34.70 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64560 GHz	-48.56 dBm	-35.56 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82160 GHz	-46.80 dBm	-33.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.65628 GHz	-41.08 dBm	-28.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30659 GHz	-41.93 dBm	-28.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78448 GHz	-37.92 dBm	-24.92 dB

Date: 23.APR.2016 12:44:35

Middle Channel / 16QAM

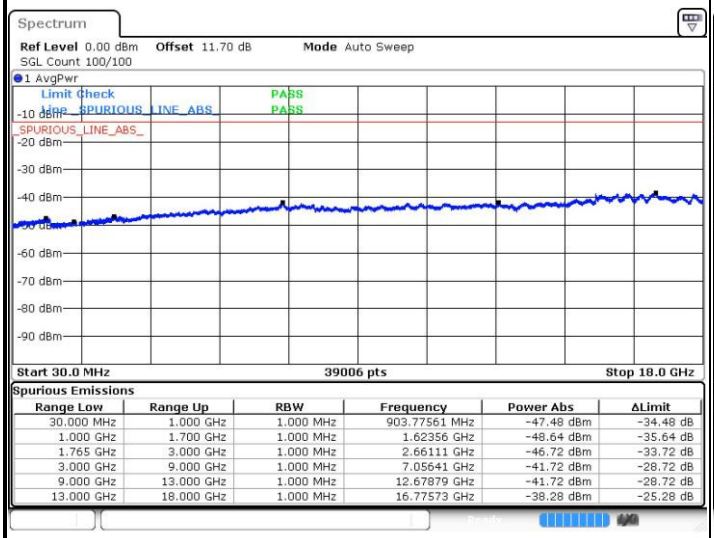


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.47676 MHz	-47.50 dBm	-34.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66729 GHz	-48.38 dBm	-35.38 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82160 GHz	-46.68 dBm	-33.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.65628 GHz	-41.47 dBm	-28.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-41.83 dBm	-28.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78781 GHz	-38.14 dBm	-25.14 dB

Date: 23.APR.2016 12:45:30

Highest Channel / QPSK

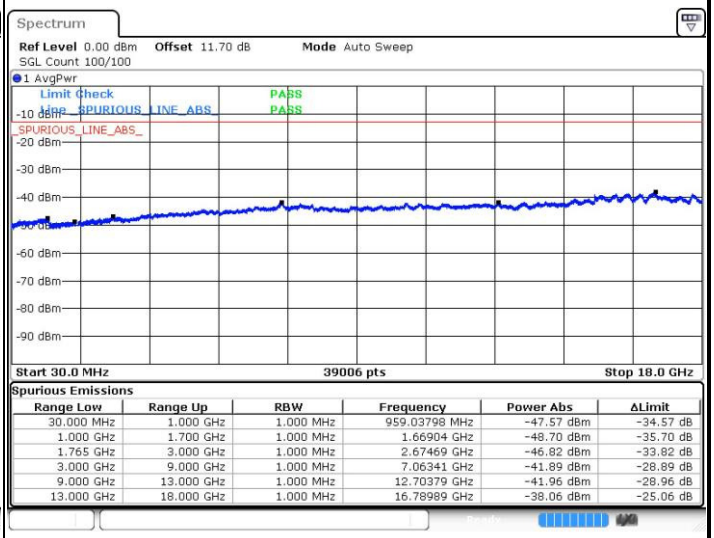


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-47.48 dBm	-34.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62356 GHz	-48.64 dBm	-35.64 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66111 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05641 GHz	-41.72 dBm	-28.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67879 GHz	-41.72 dBm	-28.72 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77573 GHz	-38.28 dBm	-25.28 dB

Date: 23.APR.2016 12:57:21

Highest Channel / 16QAM



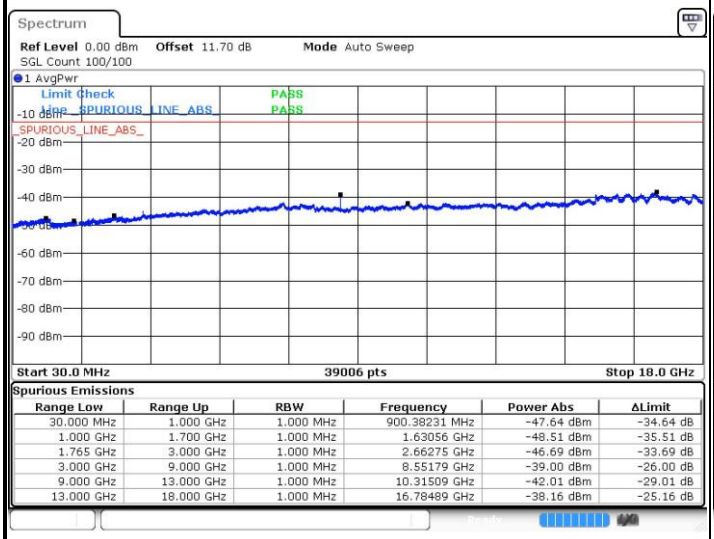
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-47.57 dBm	-34.57 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66904 GHz	-48.70 dBm	-35.70 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67469 GHz	-46.82 dBm	-33.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06341 GHz	-41.89 dBm	-28.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78989 GHz	-38.06 dBm	-25.06 dB

Date: 23.APR.2016 12:58:16

LTE Band 4 / 5MHz

Lowest Channel / QPSK

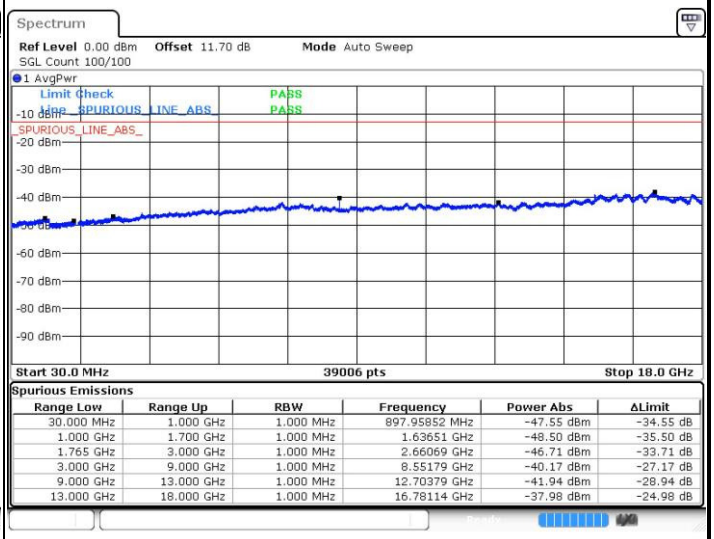


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.38231 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63056 GHz	-48.51 dBm	-35.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66275 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55179 GHz	-39.00 dBm	-26.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31509 GHz	-42.01 dBm	-29.01 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78489 GHz	-38.16 dBm	-25.16 dB

Date: 23.APR.2016 13:04:30

Lowest Channel / 16QAM

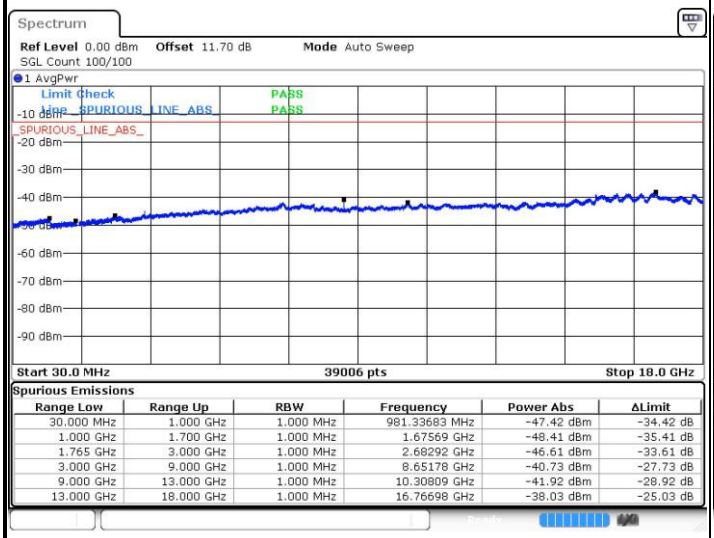


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.95852 MHz	-47.55 dBm	-34.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63651 GHz	-48.50 dBm	-35.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66069 GHz	-46.71 dBm	-33.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55179 GHz	-40.17 dBm	-27.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-41.94 dBm	-28.94 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78114 GHz	-37.98 dBm	-24.98 dB

Date: 23.APR.2016 13:05:24

Middle Channel / QPSK

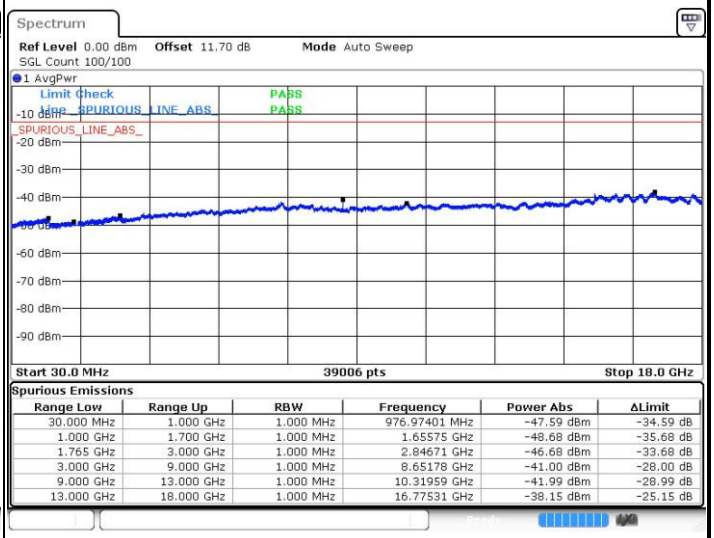


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-47.42 dBm	-34.42 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67569 GHz	-48.41 dBm	-35.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68292 GHz	-46.61 dBm	-33.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.65178 GHz	-40.73 dBm	-27.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30809 GHz	-41.92 dBm	-28.92 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76698 GHz	-38.03 dBm	-25.03 dB

Date: 23.APR.2016 13:07:01

Middle Channel / 16QAM



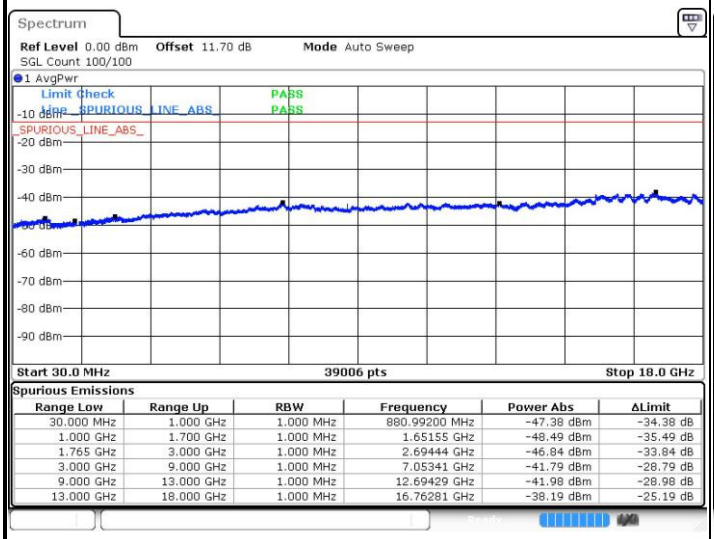
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-47.59 dBm	-34.59 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65575 GHz	-48.68 dBm	-35.68 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84671 GHz	-46.68 dBm	-33.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.65178 GHz	-41.00 dBm	-28.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31959 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77531 GHz	-38.15 dBm	-25.15 dB

Date: 23.APR.2016 13:07:56

LTE Band 4 / 5MHz

Highest Channel / QPSK

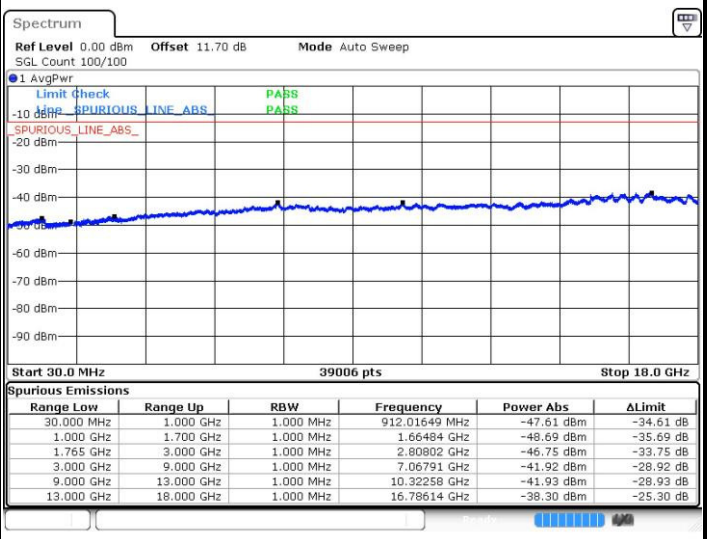


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.99200 MHz	-47.38 dBm	-34.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65155 GHz	-48.49 dBm	-35.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69444 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05341 GHz	-41.79 dBm	-28.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69429 GHz	-41.98 dBm	-28.98 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76281 GHz	-38.19 dBm	-25.19 dB

Date: 23.APR.2016 13:14:10

Highest Channel / 16QAM



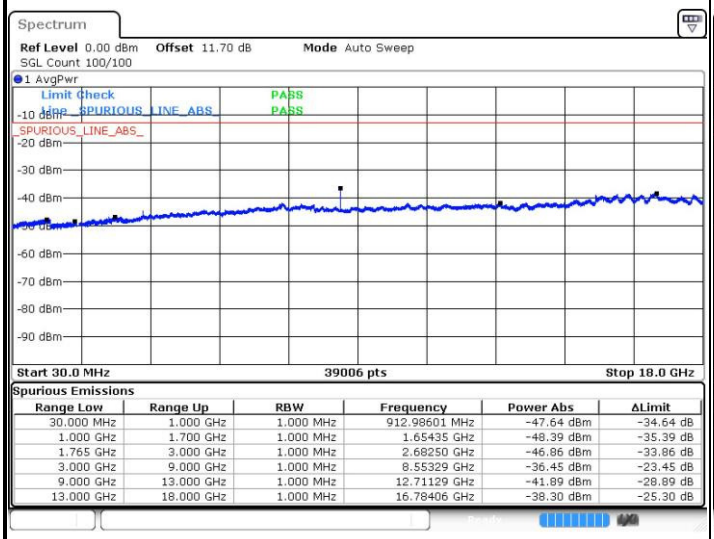
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-47.61 dBm	-34.61 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66484 GHz	-48.69 dBm	-35.69 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.80802 GHz	-46.75 dBm	-33.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06791 GHz	-41.92 dBm	-28.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32258 GHz	-41.93 dBm	-28.93 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78614 GHz	-38.30 dBm	-25.30 dB

Date: 23.APR.2016 13:15:05

LTE Band 4 / 10MHz

Lowest Channel / QPSK

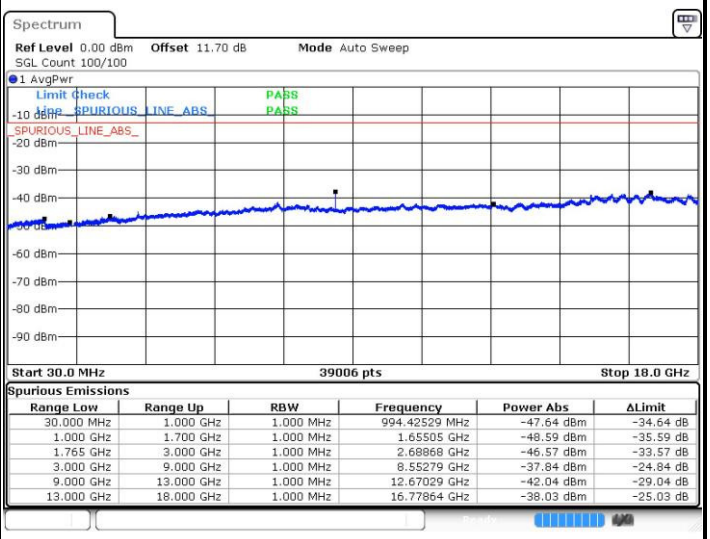


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65435 GHz	-48.39 dBm	-35.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68250 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55329 GHz	-36.45 dBm	-23.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71129 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78406 GHz	-38.30 dBm	-25.30 dB

Date: 23.APR.2016 13:21:19

Lowest Channel / 16QAM



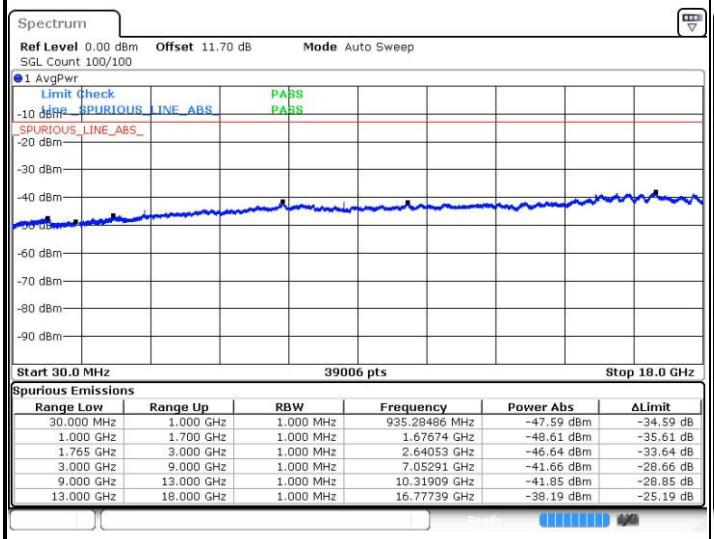
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65505 GHz	-48.59 dBm	-35.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68868 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55279 GHz	-37.84 dBm	-24.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67029 GHz	-42.04 dBm	-29.04 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77864 GHz	-38.03 dBm	-25.03 dB

Date: 23.APR.2016 13:22:13

LTE Band 4 / 10MHz

Middle Channel / QPSK

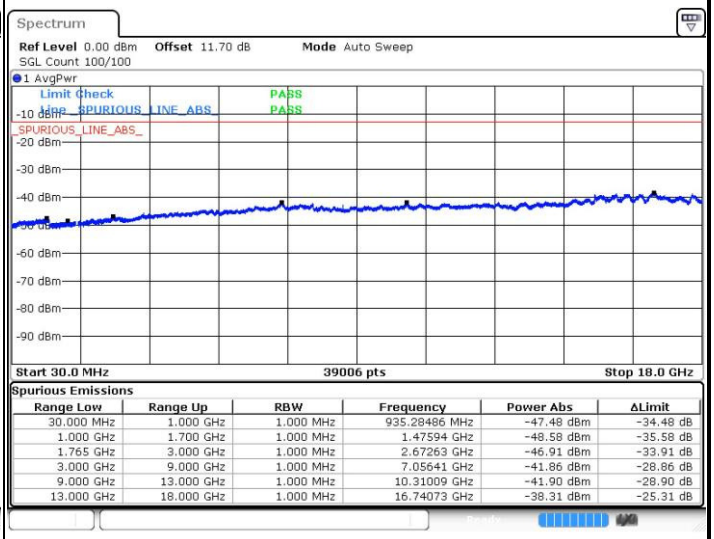


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-47.59 dBm	-34.59 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67674 GHz	-48.61 dBm	-35.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64053 GHz	-46.64 dBm	-33.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05291 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31909 GHz	-41.85 dBm	-28.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77739 GHz	-38.19 dBm	-25.19 dB

Date: 23.APR.2016 13:23:50

Middle Channel / 16QAM

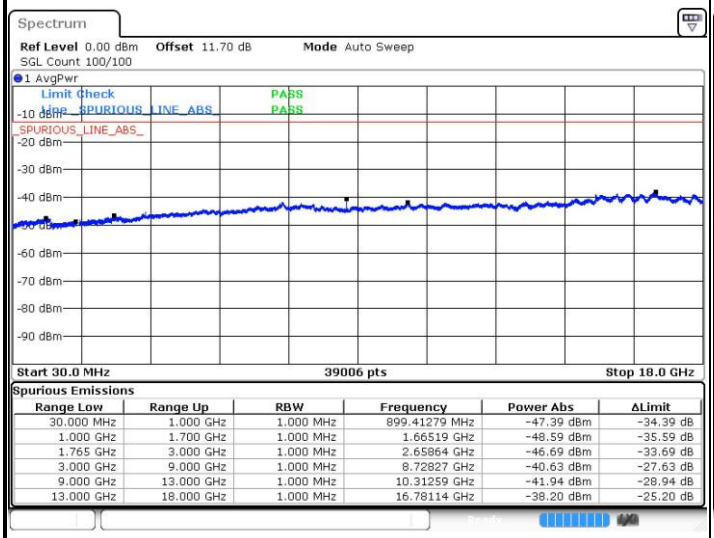


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-47.48 dBm	-34.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.47594 GHz	-48.58 dBm	-35.58 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67263 GHz	-46.91 dBm	-33.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05641 GHz	-41.86 dBm	-28.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31009 GHz	-41.90 dBm	-28.90 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.74073 GHz	-38.31 dBm	-25.31 dB

Date: 23.APR.2016 13:24:45

Highest Channel / QPSK

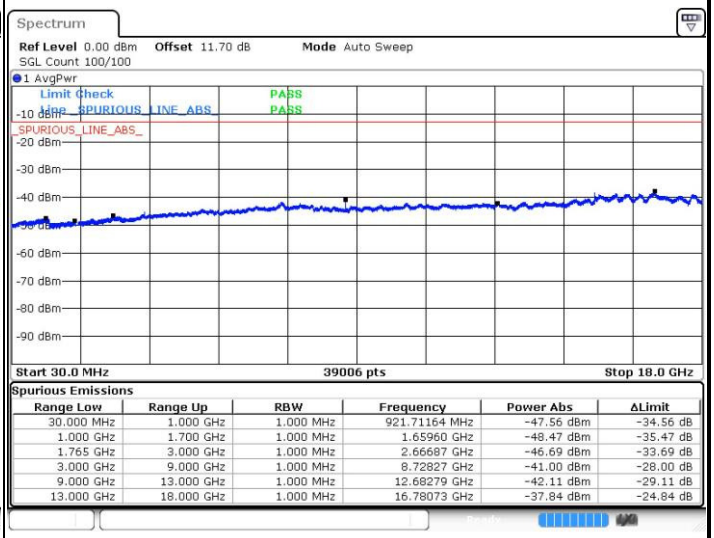


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.41279 MHz	-47.39 dBm	-34.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66519 GHz	-48.59 dBm	-35.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65864 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.72827 GHz	-40.63 dBm	-27.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31259 GHz	-41.94 dBm	-28.94 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78114 GHz	-38.20 dBm	-25.20 dB

Date: 23.APR.2016 13:30:59

Highest Channel / 16QAM



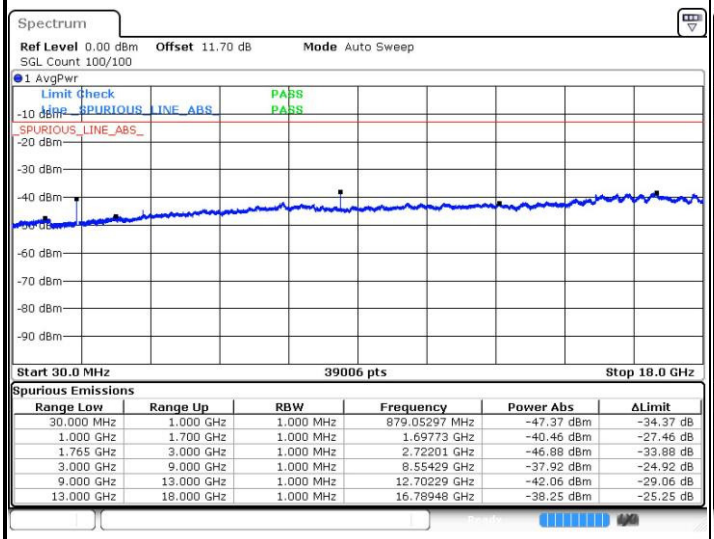
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.71164 MHz	-47.56 dBm	-34.56 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65960 GHz	-48.47 dBm	-35.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66687 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.72827 GHz	-41.00 dBm	-28.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68279 GHz	-42.11 dBm	-29.11 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78073 GHz	-37.84 dBm	-24.84 dB

Date: 23.APR.2016 13:31:54

LTE Band 4 / 15MHz

Lowest Channel / QPSK

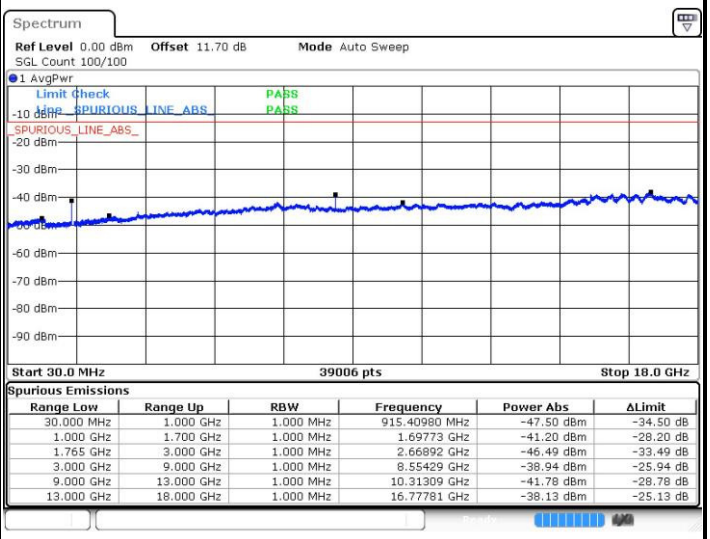


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	879.05297 MHz	-47.37 dBm	-34.37 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-40.46 dBm	-27.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.72201 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55429 GHz	-37.92 dBm	-24.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-42.06 dBm	-29.06 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78948 GHz	-38.25 dBm	-25.25 dB

Date: 23.APR.2016 13:38:08

Lowest Channel / 16QAM

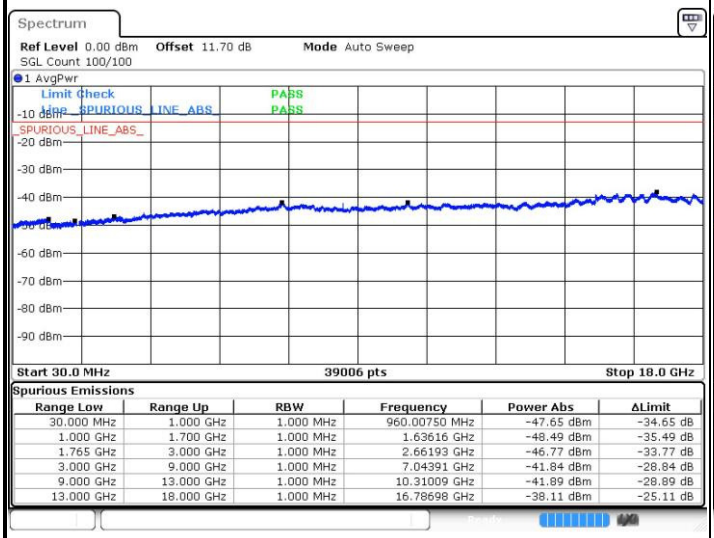


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-47.50 dBm	-34.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-41.20 dBm	-28.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66892 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55429 GHz	-38.94 dBm	-25.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31309 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77781 GHz	-38.13 dBm	-25.13 dB

Date: 23.APR.2016 13:39:02

Middle Channel / QPSK

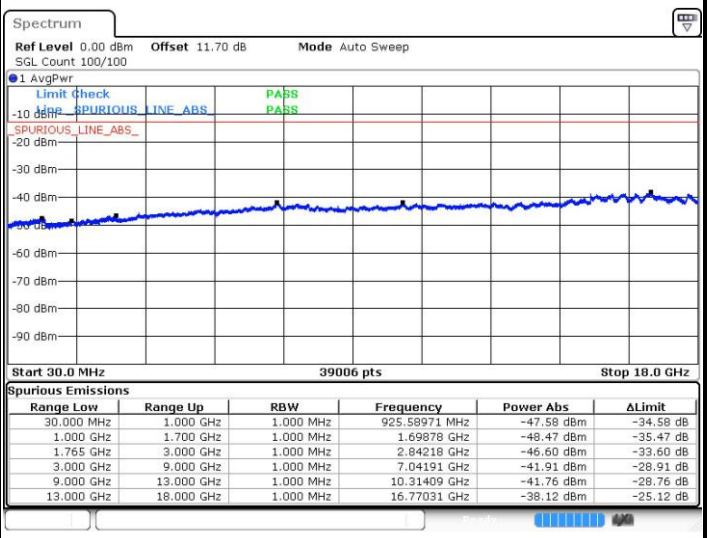


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-47.65 dBm	-34.65 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63616 GHz	-48.49 dBm	-35.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66193 GHz	-46.77 dBm	-33.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04391 GHz	-41.84 dBm	-28.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31009 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78698 GHz	-38.11 dBm	-25.11 dB

Date: 23.APR.2016 13:40:39

Middle Channel / 16QAM



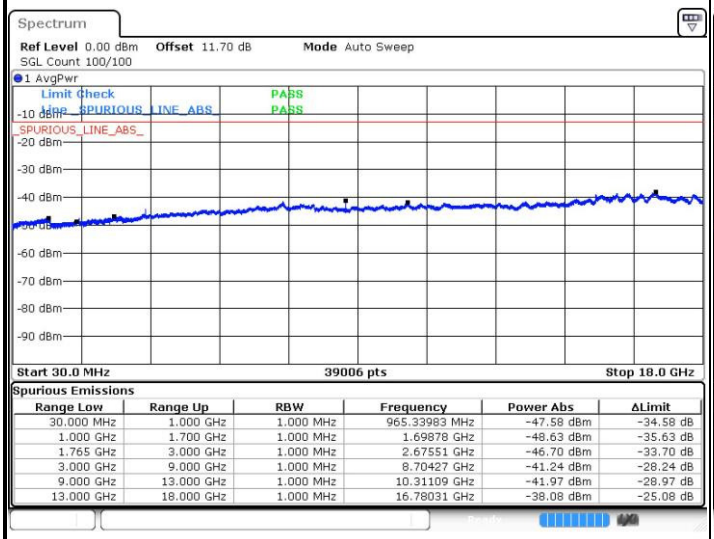
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-47.58 dBm	-34.58 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-48.47 dBm	-35.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84218 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04191 GHz	-41.91 dBm	-28.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31409 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77031 GHz	-38.12 dBm	-25.12 dB

Date: 23.APR.2016 13:41:34

LTE Band 4 / 15MHz

Highest Channel / QPSK

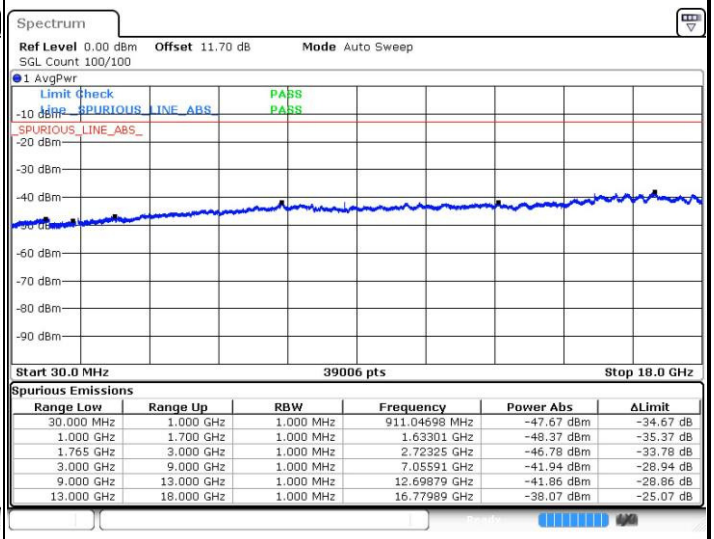


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-47.58 dBm	-34.58 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-48.63 dBm	-35.63 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67551 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.70427 GHz	-41.24 dBm	-28.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31109 GHz	-41.97 dBm	-28.97 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78031 GHz	-38.08 dBm	-25.08 dB

Date: 23.APR.2016 13:47:48

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.04698 MHz	-47.67 dBm	-34.67 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63301 GHz	-48.37 dBm	-35.37 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.72325 GHz	-46.78 dBm	-33.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05591 GHz	-41.94 dBm	-28.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-41.86 dBm	-28.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77989 GHz	-38.07 dBm	-25.07 dB

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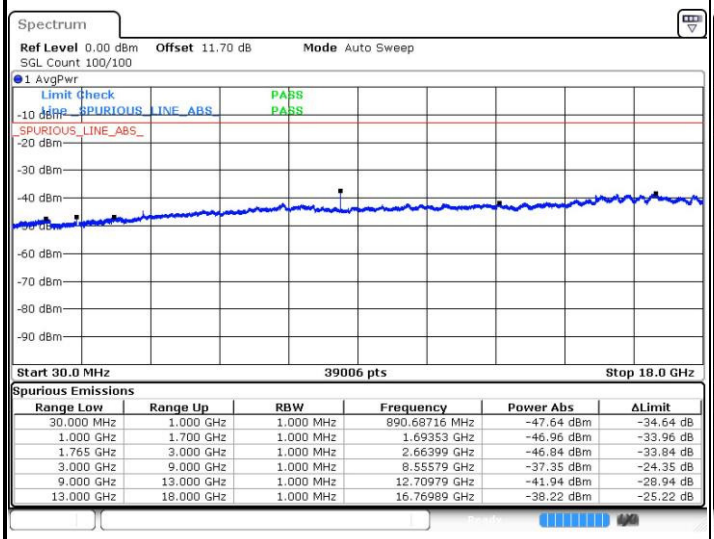
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-46.96 dBm	-33.96 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66399 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55579 GHz	-37.35 dBm	-24.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70979 GHz	-41.94 dBm	-28.94 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76989 GHz	-38.22 dBm	-25.22 dB

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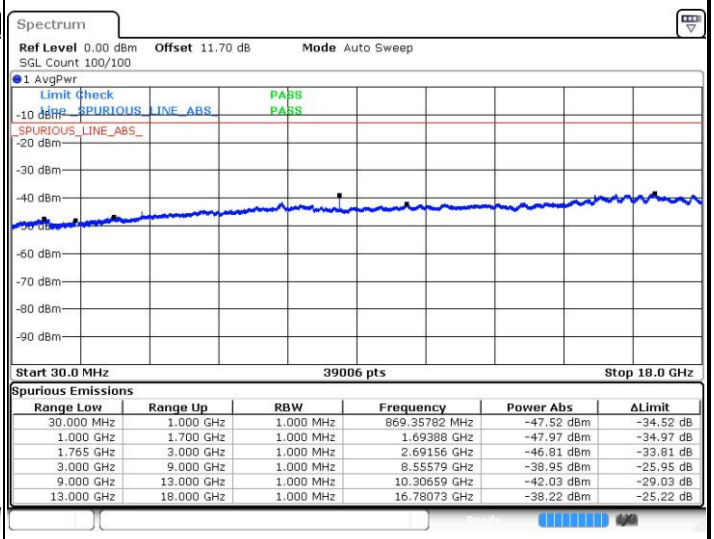
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.35782 MHz	-47.52 dBm	-34.52 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-47.97 dBm	-34.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69156 GHz	-46.81 dBm	-33.81 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.55579 GHz	-38.95 dBm	-25.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30659 GHz	-42.03 dBm	-29.03 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78073 GHz	-38.22 dBm	-25.22 dB

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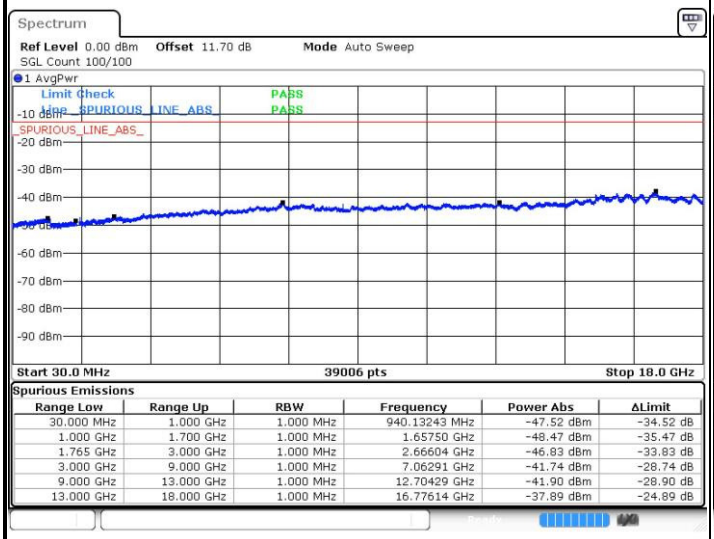
LTE Band 4 / 20MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-47.52 dBm	-34.52 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65750 GHz	-48.47 dBm	-35.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66604 GHz	-46.83 dBm	-33.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06291 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70429 GHz	-41.90 dBm	-28.90 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77614 GHz	-37.89 dBm	-24.89 dB

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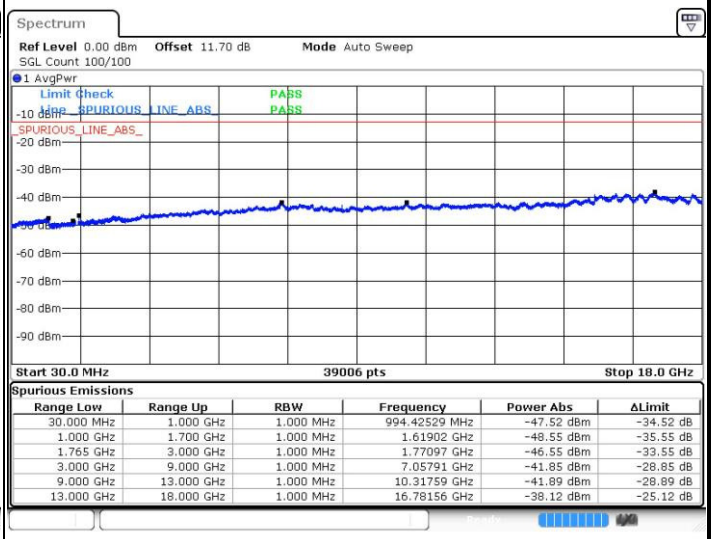
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-47.52 dBm	-34.52 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61902 GHz	-48.55 dBm	-35.55 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77097 GHz	-46.55 dBm	-33.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05791 GHz	-41.85 dBm	-28.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31759 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78156 GHz	-38.12 dBm	-25.12 dB

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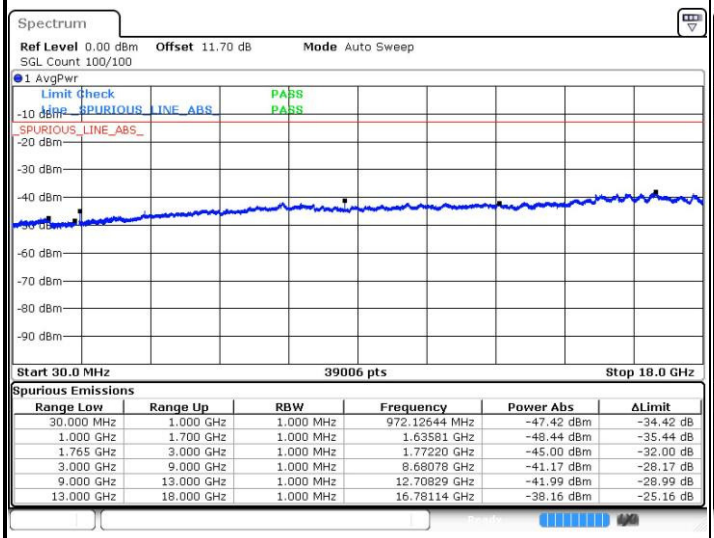
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-47.42 dBm	-34.42 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63581 GHz	-48.44 dBm	-35.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-45.00 dBm	-32.00 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.68078 GHz	-41.17 dBm	-28.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78114 GHz	-38.16 dBm	-25.16 dB

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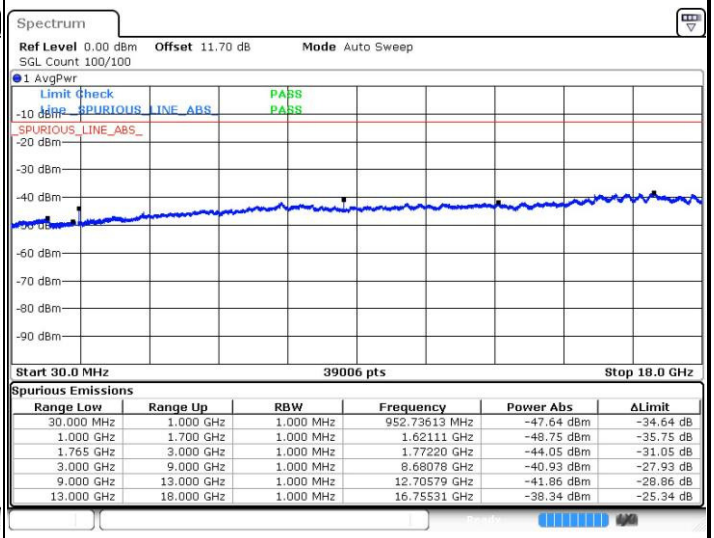
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62111 GHz	-48.75 dBm	-35.75 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-44.05 dBm	-31.05 dB
3.000 GHz	9.000 GHz	1.000 MHz	8.68078 GHz	-40.93 dBm	-27.93 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-41.86 dBm	-28.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.75531 GHz	-38.34 dBm	-25.34 dB

Date: 23.APR.2016 14:05:32

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.4V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

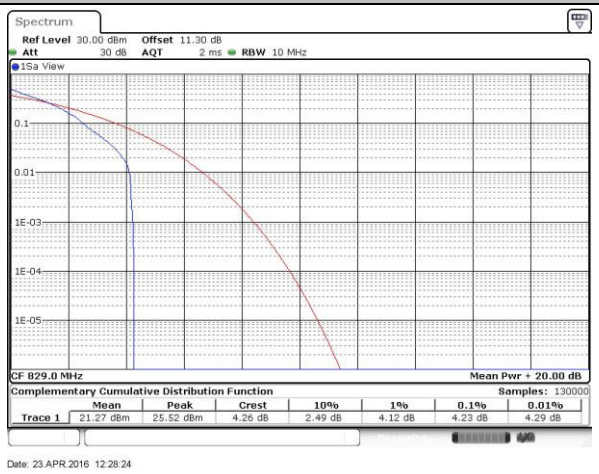
LTE Band 5

Peak-to-Average Ratio

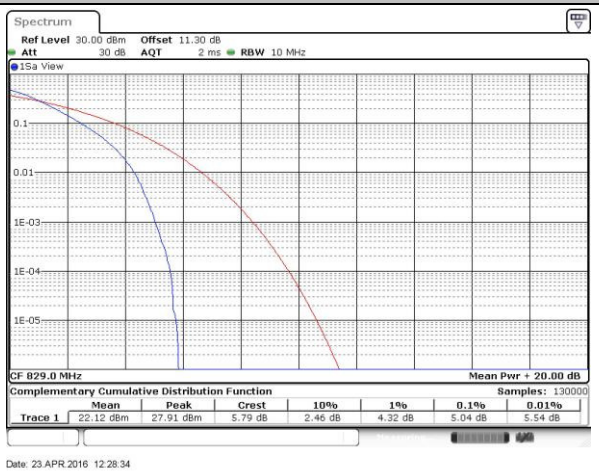
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	5.04	4.93	5.94	PASS
Middle CH	4.64	5.36	5.62	6.23	
Highest CH	4.67	5.04	5.45	5.88	

LTE Band 5 / 10MHz / QPSK

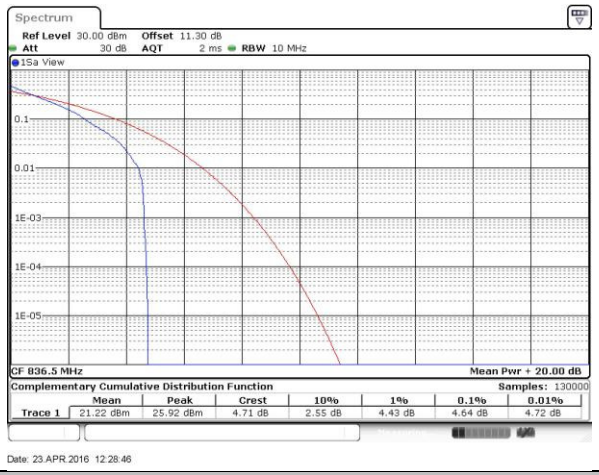
Lowest Channel / 1RB



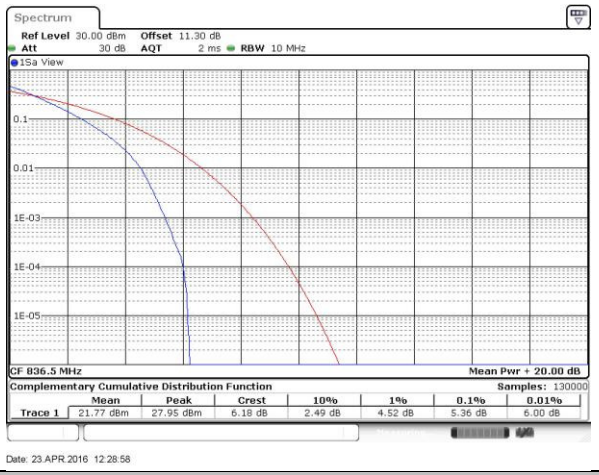
Lowest Channel / Full RB

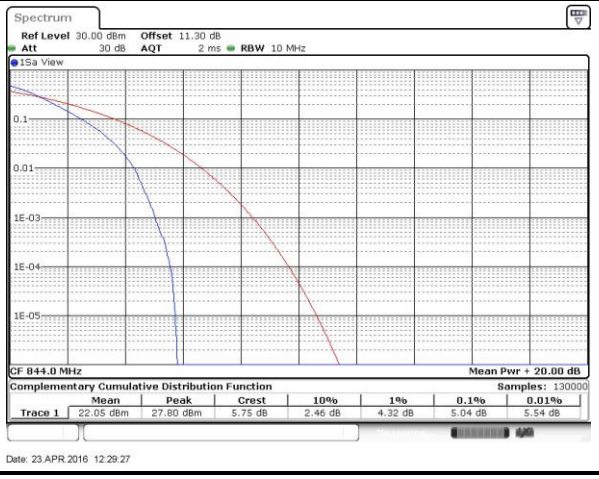


Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB

Highest Channel / Full RB