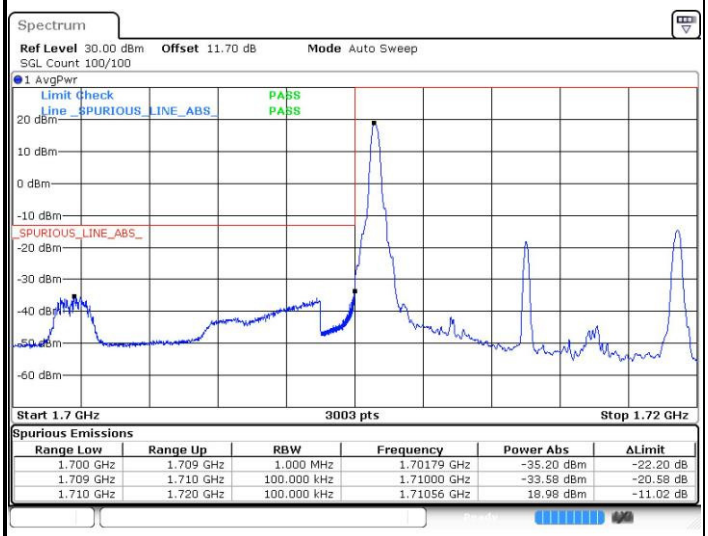
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

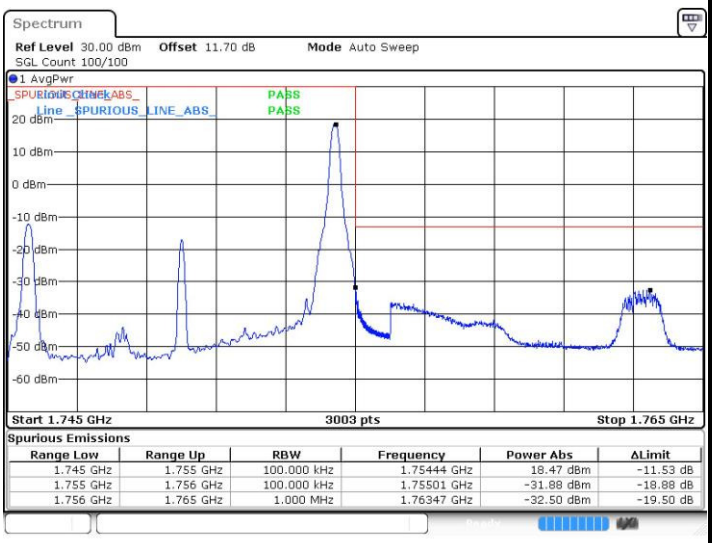


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70179 GHz	-35.20 dBm	-22.20 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-33.58 dBm	-20.58 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71056 GHz	18.98 dBm	-11.02 dB

Date: 8.FEB.2016 10:46:56

Highest Band Edge / 1 RB

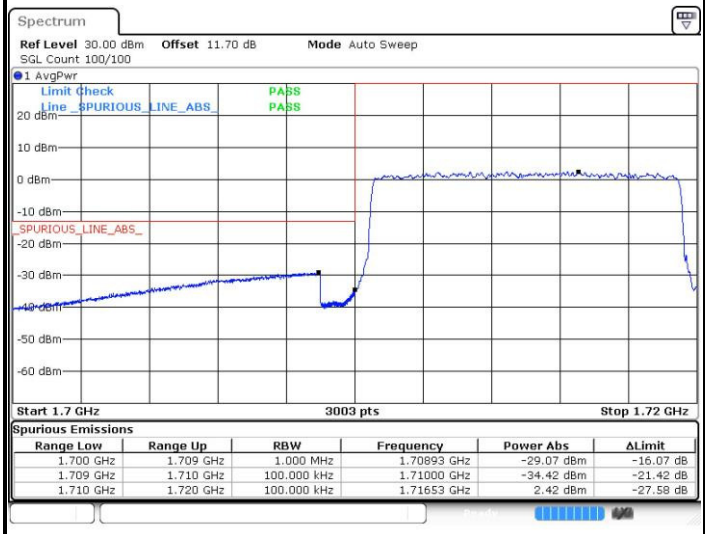


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75444 GHz	18.47 dBm	-11.53 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-31.88 dBm	-18.88 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76347 GHz	-32.50 dBm	-19.50 dB

Date: 8.FEB.2016 10:56:37

Lowest Band Edge / Full RB

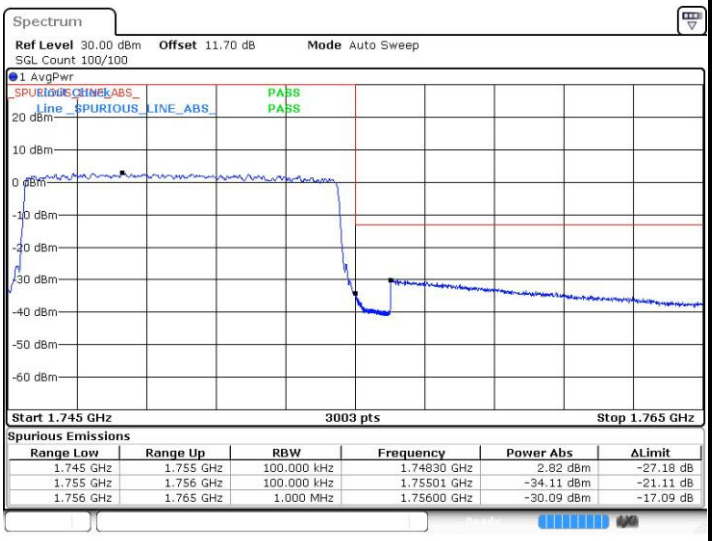


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-29.07 dBm	-16.07 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-34.42 dBm	-21.42 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71653 GHz	2.42 dBm	-27.58 dB

Date: 8.FEB.2016 10:49:14

Highest Band Edge / Full RB



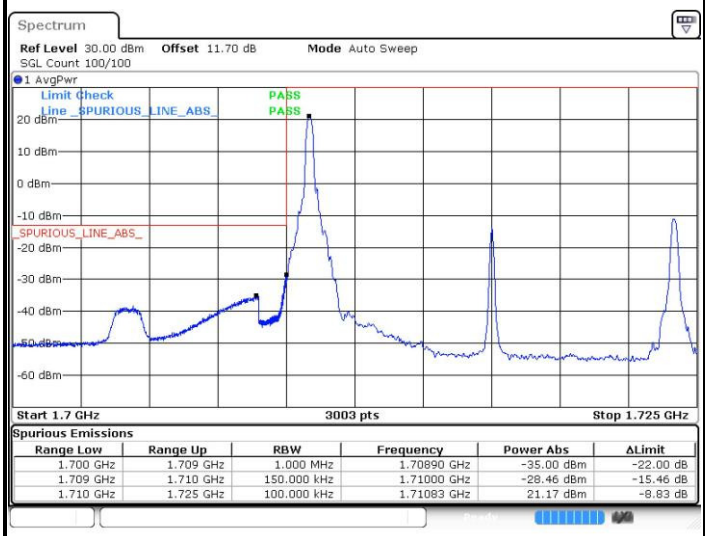
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74830 GHz	2.82 dBm	-27.18 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-34.11 dBm	-21.11 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-30.09 dBm	-17.09 dB

Date: 8.FEB.2016 10:58:55

LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB

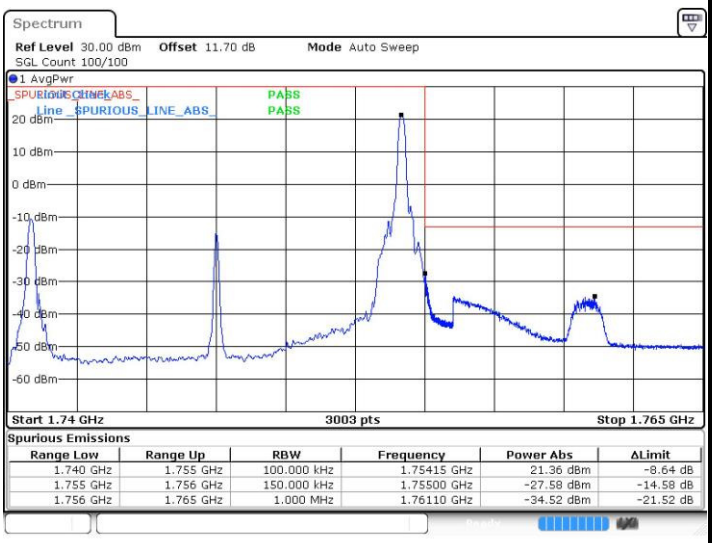


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-35.00 dBm	-22.00 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.71000 GHz	-28.46 dBm	-15.46 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71083 GHz	21.17 dBm	-8.83 dB

Date: 8.FEB.2016 11:04:52

Highest Band Edge / 1 RB

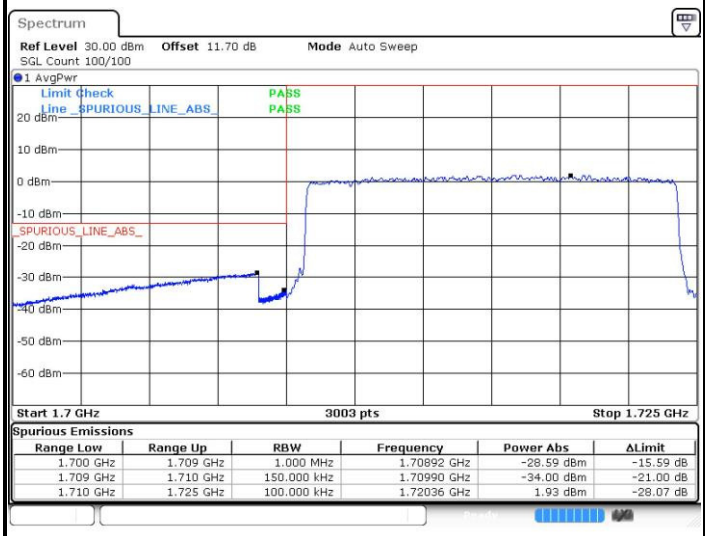


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75415 GHz	21.36 dBm	-8.64 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-27.58 dBm	-14.58 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76110 GHz	-34.52 dBm	-21.52 dB

Date: 8.FEB.2016 11:14:33

Lowest Band Edge / Full RB

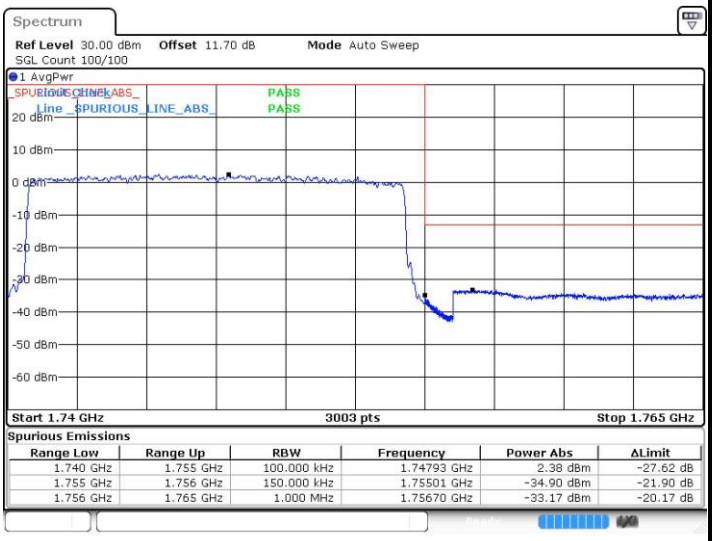


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70892 GHz	-28.59 dBm	-15.59 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70990 GHz	-34.00 dBm	-21.00 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72036 GHz	1.93 dBm	-28.07 dB

Date: 8.FEB.2016 11:07:11

Highest Band Edge / Full RB



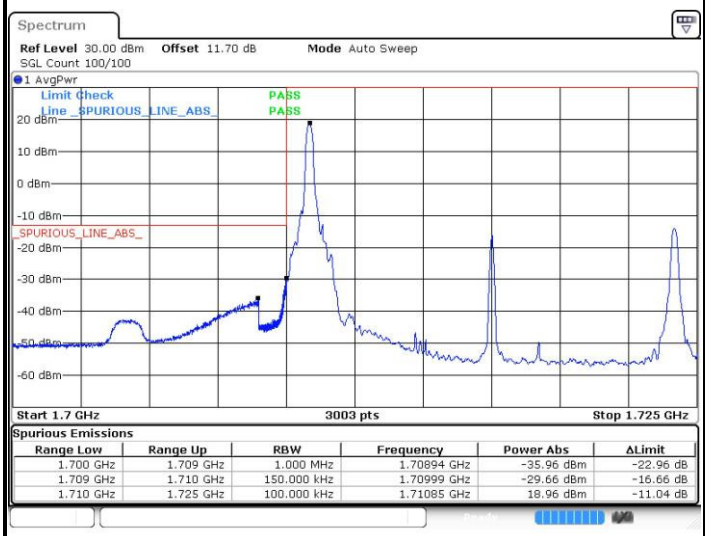
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74793 GHz	2.38 dBm	-27.62 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75501 GHz	-34.90 dBm	-21.90 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75670 GHz	-33.17 dBm	-20.17 dB

Date: 8.FEB.2016 11:16:51

LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

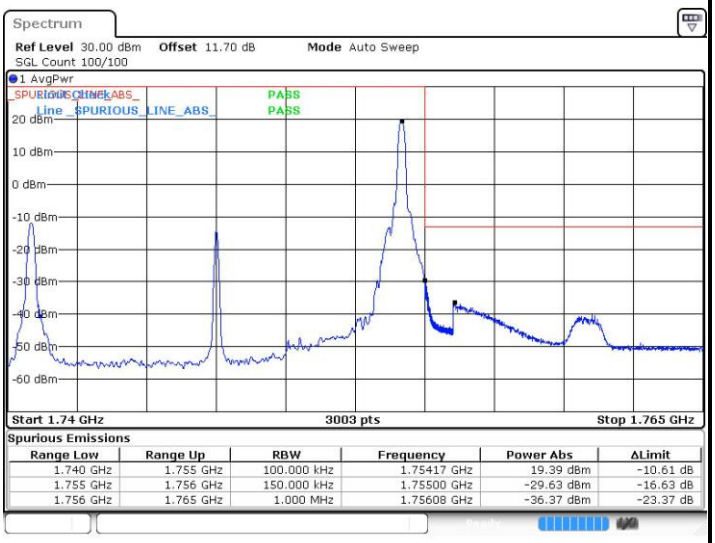


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-35.96 dBm	-22.96 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-29.66 dBm	-16.66 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	18.96 dBm	-11.04 dB

Date: 8.FEB.2016 11:06:02

Highest Band Edge / 1 RB

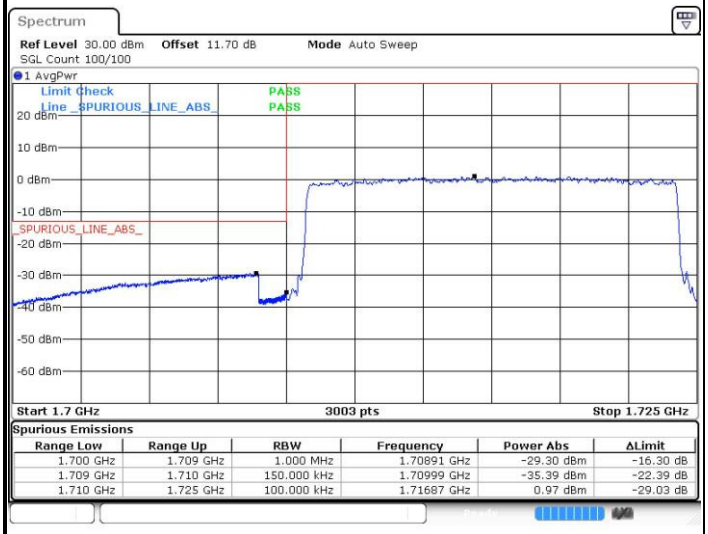


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75417 GHz	19.39 dBm	-10.61 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-29.63 dBm	-16.63 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75608 GHz	-36.37 dBm	-23.37 dB

Date: 8.FEB.2016 11:15:42

Lowest Band Edge / Full RB

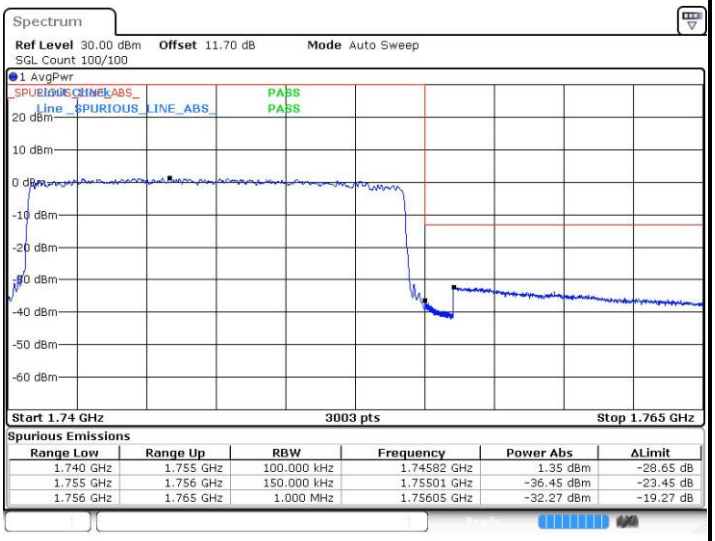


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-29.30 dBm	-16.30 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-35.39 dBm	-22.39 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71687 GHz	0.97 dBm	-29.03 dB

Date: 8.FEB.2016 11:08:20

Highest Band Edge / Full RB



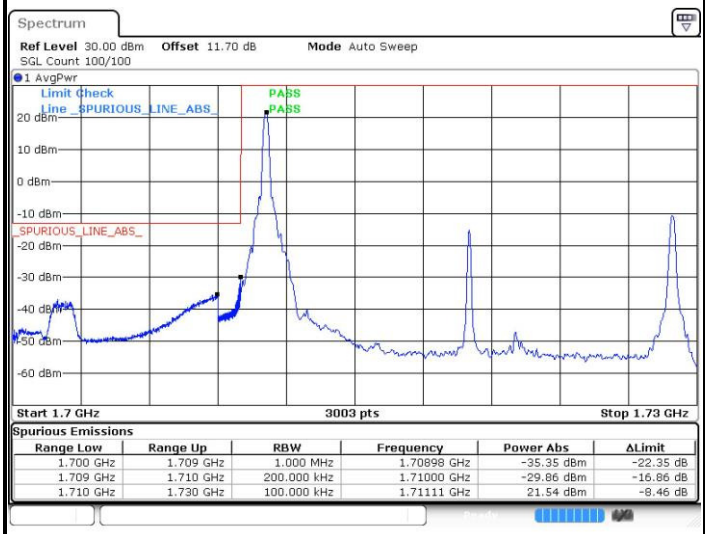
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74582 GHz	1.35 dBm	-28.65 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75501 GHz	-36.45 dBm	-23.45 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-32.27 dBm	-19.27 dB

Date: 8.FEB.2016 11:18:01

LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

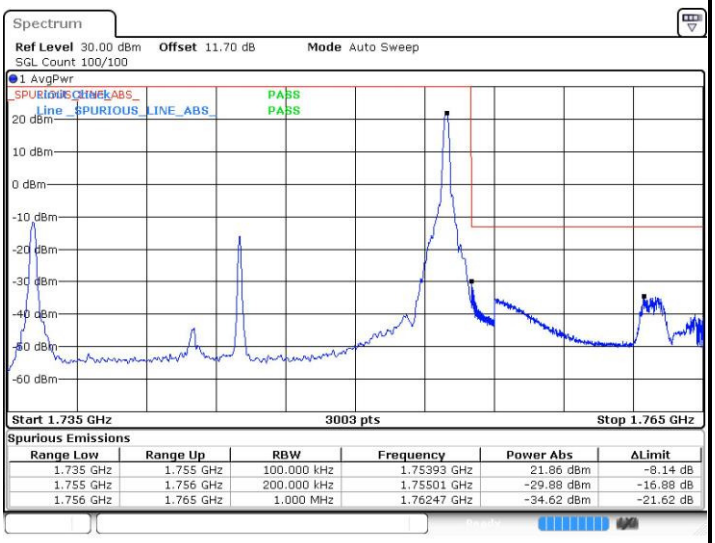


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-35.35 dBm	-22.35 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-29.86 dBm	-16.86 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71111 GHz	21.54 dBm	-8.46 dB

Date: 8.FEB.2016 11:21:41

Highest Band Edge / 1 RB

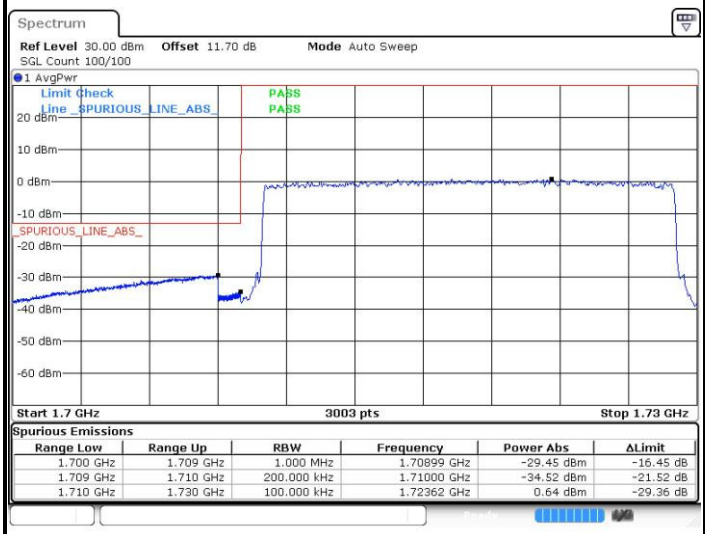


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75393 GHz	21.86 dBm	-8.14 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-29.88 dBm	-16.88 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76247 GHz	-34.62 dBm	-21.62 dB

Date: 8.FEB.2016 11:31:21

Lowest Band Edge / Full RB

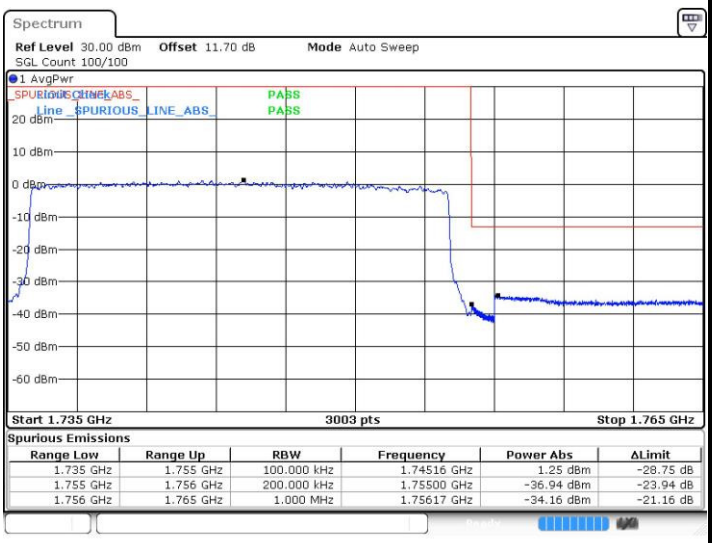


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-29.45 dBm	-16.45 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-34.52 dBm	-21.52 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72362 GHz	0.64 dBm	-29.36 dB

Date: 8.FEB.2016 11:24:00

Highest Band Edge / Full RB



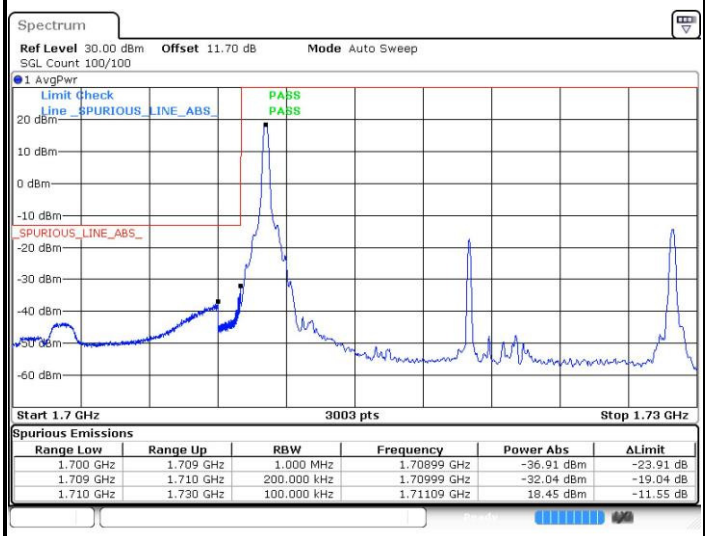
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74516 GHz	1.25 dBm	-28.75 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75500 GHz	-36.94 dBm	-23.94 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75617 GHz	-34.16 dBm	-21.16 dB

Date: 8.FEB.2016 11:33:40

LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

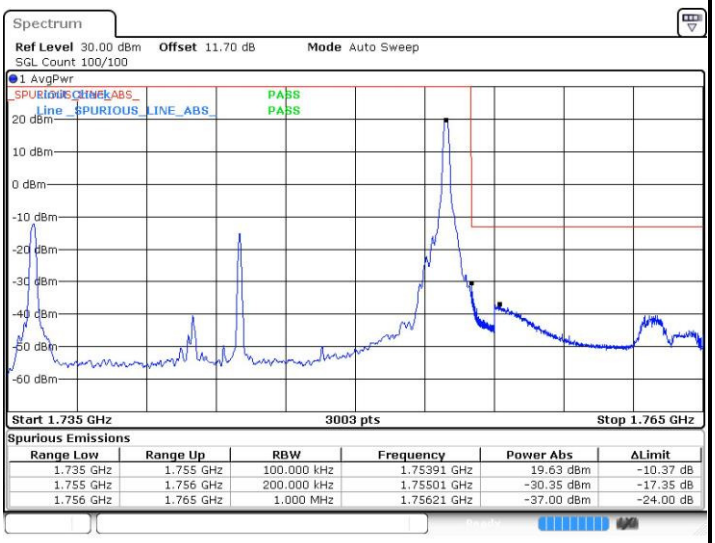


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-36.91 dBm	-23.91 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-32.04 dBm	-19.04 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	18.45 dBm	-11.55 dB

Date: 8.FEB.2016 11:22:50

Highest Band Edge / 1 RB

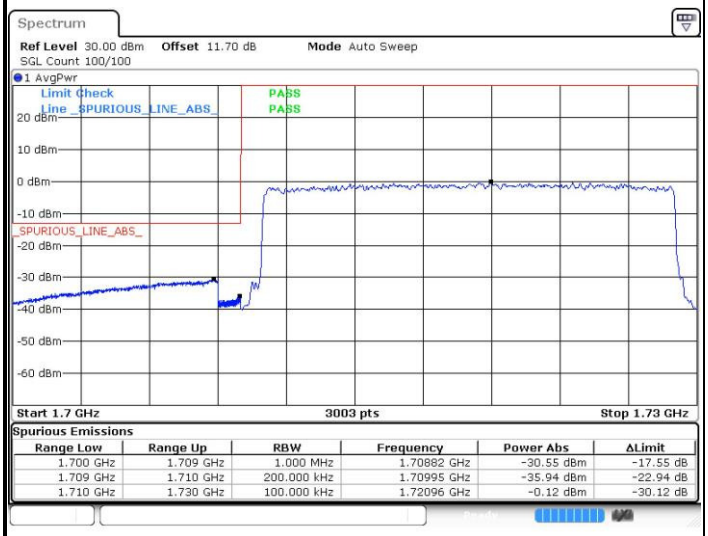


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	19.63 dBm	-10.37 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-30.35 dBm	-17.35 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75621 GHz	-37.00 dBm	-24.00 dB

Date: 8.FEB.2016 11:32:31

Lowest Band Edge / Full RB

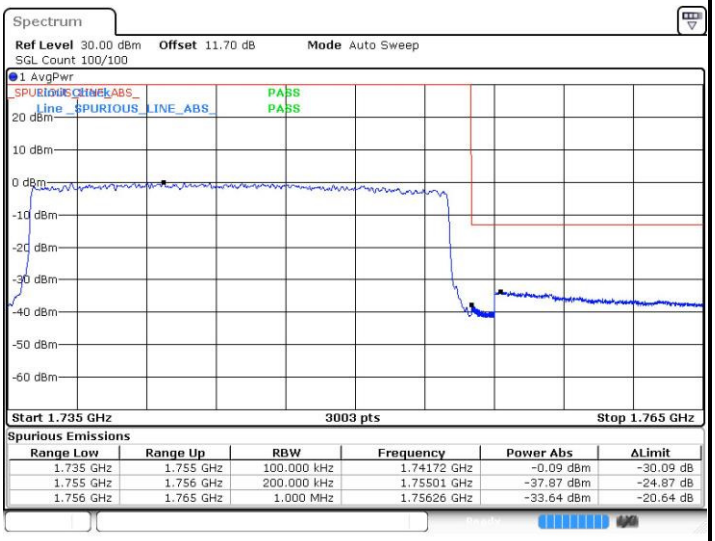


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-30.55 dBm	-17.55 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70995 GHz	-35.94 dBm	-22.94 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72096 GHz	-0.12 dBm	-30.12 dB

Date: 8.FEB.2016 11:25:09

Highest Band Edge / Full RB



Spurious Emissions

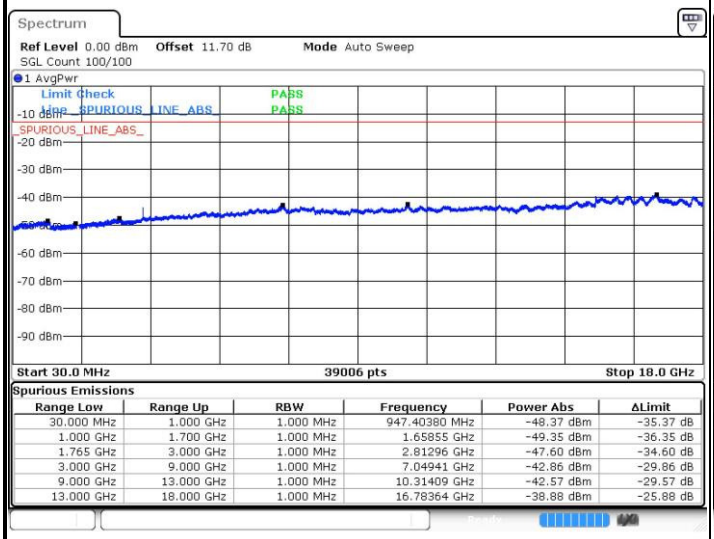
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74172 GHz	-0.09 dBm	-30.09 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-37.87 dBm	-24.87 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75626 GHz	-33.64 dBm	-20.64 dB

Date: 8.FEB.2016 11:34:49

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

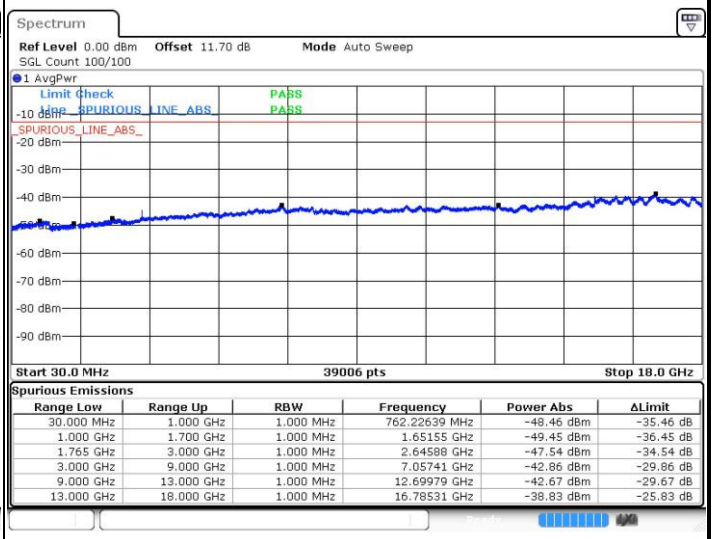


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-48.37 dBm	-35.37 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65855 GHz	-49.35 dBm	-36.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81296 GHz	-47.60 dBm	-34.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04941 GHz	-42.86 dBm	-29.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31409 GHz	-42.57 dBm	-29.57 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78364 GHz	-38.88 dBm	-25.88 dB

Date: 8.FEB.2016 11:42:53

Lowest Channel / 16QAM

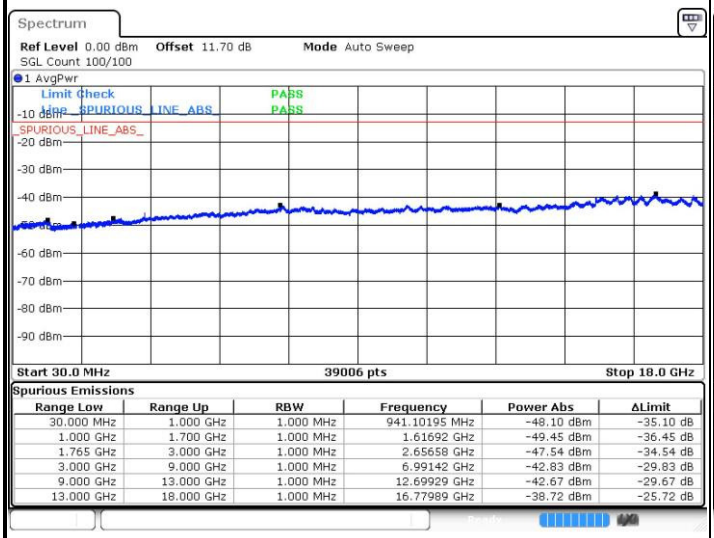


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	762.22639 MHz	-48.46 dBm	-35.46 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65155 GHz	-49.45 dBm	-36.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64588 GHz	-47.54 dBm	-34.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05741 GHz	-42.86 dBm	-29.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69979 GHz	-42.67 dBm	-29.67 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78531 GHz	-38.83 dBm	-25.83 dB

Date: 8.FEB.2016 11:43:48

Middle Channel / QPSK

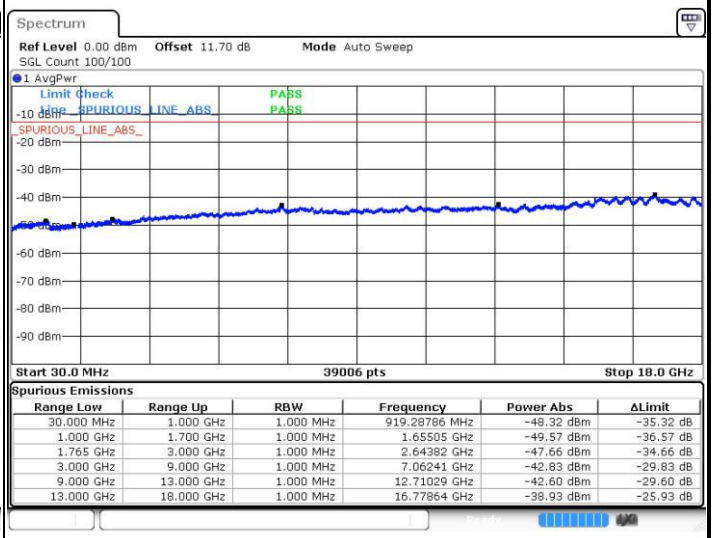


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-48.10 dBm	-35.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61692 GHz	-49.45 dBm	-36.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65658 GHz	-47.54 dBm	-34.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99142 GHz	-42.83 dBm	-29.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69929 GHz	-42.67 dBm	-29.67 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77989 GHz	-38.72 dBm	-25.72 dB

Date: 8.FEB.2016 11:45:25

Middle Channel / 16QAM



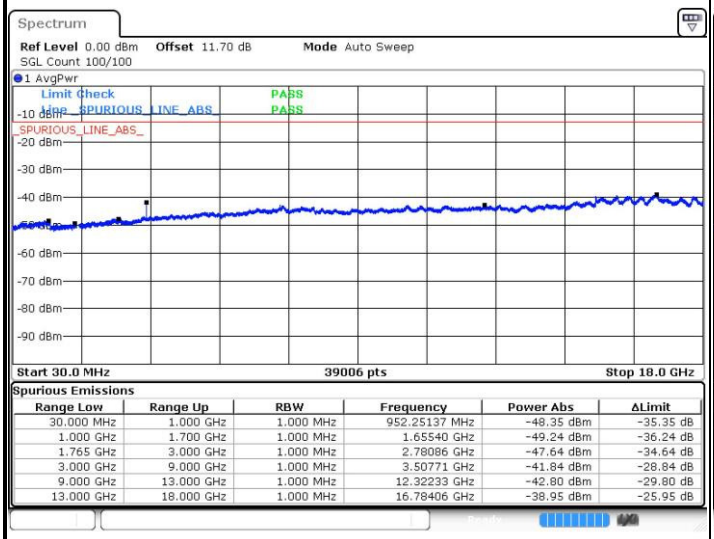
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-48.32 dBm	-35.32 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65505 GHz	-49.57 dBm	-36.57 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64382 GHz	-47.66 dBm	-34.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06241 GHz	-42.83 dBm	-29.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71029 GHz	-42.60 dBm	-29.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77864 GHz	-38.93 dBm	-25.93 dB

Date: 8.FEB.2016 11:46:20

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

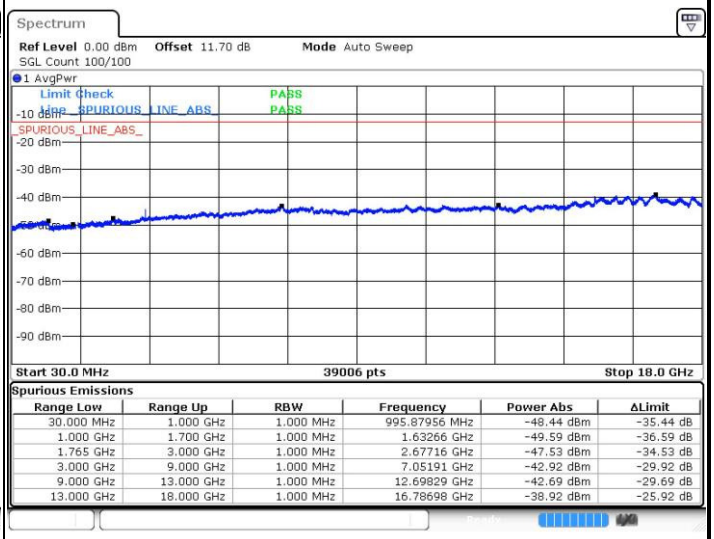


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-48.35 dBm	-35.35 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65540 GHz	-49.24 dBm	-36.24 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.78086 GHz	-47.64 dBm	-34.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50771 GHz	-41.84 dBm	-28.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.32233 GHz	-42.80 dBm	-29.80 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78406 GHz	-38.95 dBm	-25.95 dB

Date: 8.FEB.2016 11:52:34

Highest Channel / 16QAM



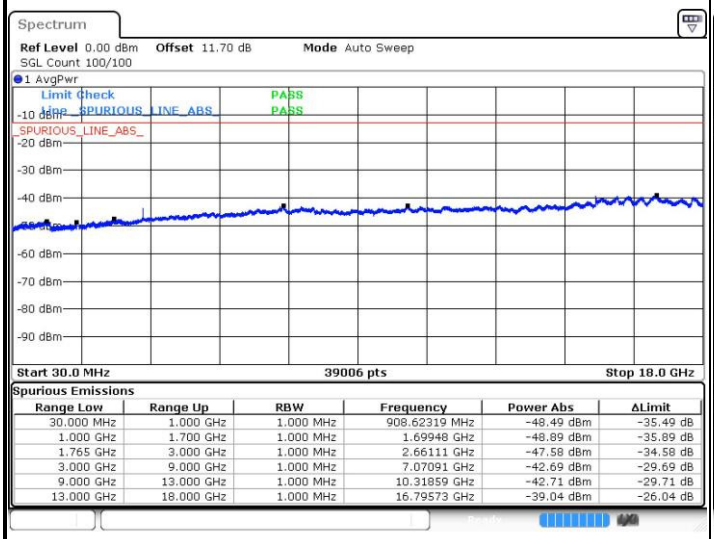
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-48.44 dBm	-35.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63266 GHz	-49.59 dBm	-36.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67716 GHz	-47.53 dBm	-34.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05191 GHz	-42.92 dBm	-29.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69829 GHz	-42.69 dBm	-29.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78698 GHz	-38.92 dBm	-25.92 dB

Date: 8.FEB.2016 11:53:29

LTE Band 4 / 3MHz

Lowest Channel / QPSK

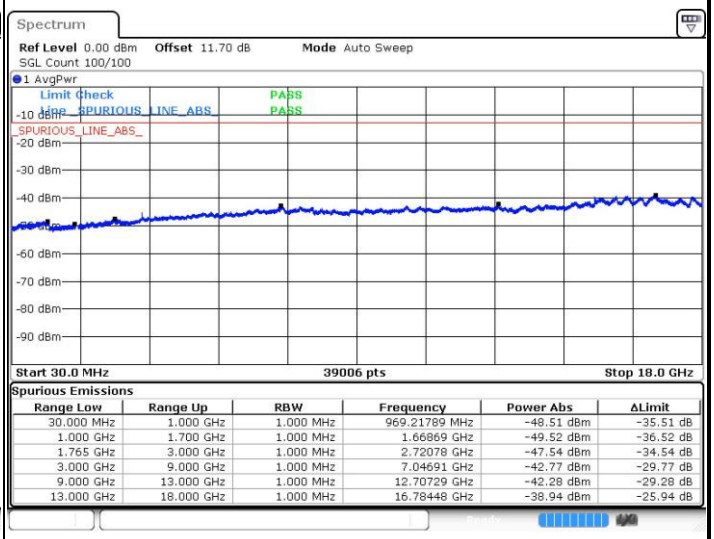


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-48.49 dBm	-35.49 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-48.89 dBm	-35.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66111 GHz	-47.58 dBm	-34.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07091 GHz	-42.69 dBm	-29.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31859 GHz	-42.71 dBm	-29.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79573 GHz	-39.04 dBm	-26.04 dB

Date: 8.FEB.2016 10:16:30

Lowest Channel / 16QAM



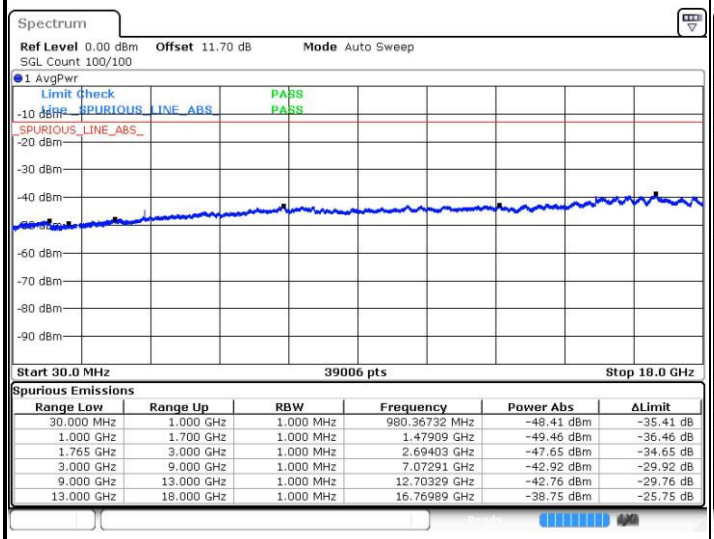
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.21789 MHz	-48.51 dBm	-35.51 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66869 GHz	-49.52 dBm	-36.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.72078 GHz	-47.54 dBm	-34.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04691 GHz	-42.77 dBm	-29.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70729 GHz	-42.28 dBm	-29.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78448 GHz	-38.94 dBm	-25.94 dB

Date: 8.FEB.2016 10:17:25

LTE Band 4 / 3MHz

Middle Channel / QPSK

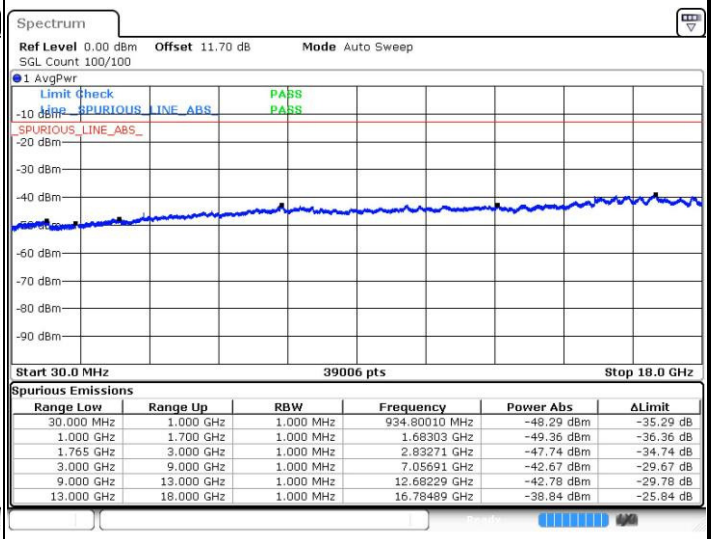


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.36732 MHz	-48.41 dBm	-35.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.47909 GHz	-49.46 dBm	-36.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69403 GHz	-47.65 dBm	-34.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07291 GHz	-42.92 dBm	-29.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70329 GHz	-42.76 dBm	-29.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76989 GHz	-38.75 dBm	-25.75 dB

Date: 8.FEB.2016 10:19:02

Middle Channel / 16QAM

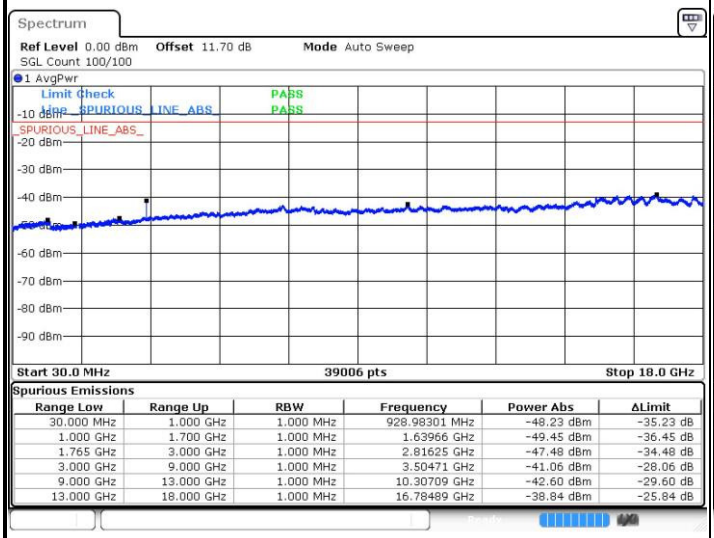


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-48.29 dBm	-35.29 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68303 GHz	-49.36 dBm	-36.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83271 GHz	-47.74 dBm	-34.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05691 GHz	-42.67 dBm	-29.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68229 GHz	-42.78 dBm	-29.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78489 GHz	-38.84 dBm	-25.84 dB

Date: 8.FEB.2016 10:19:57

Highest Channel / QPSK

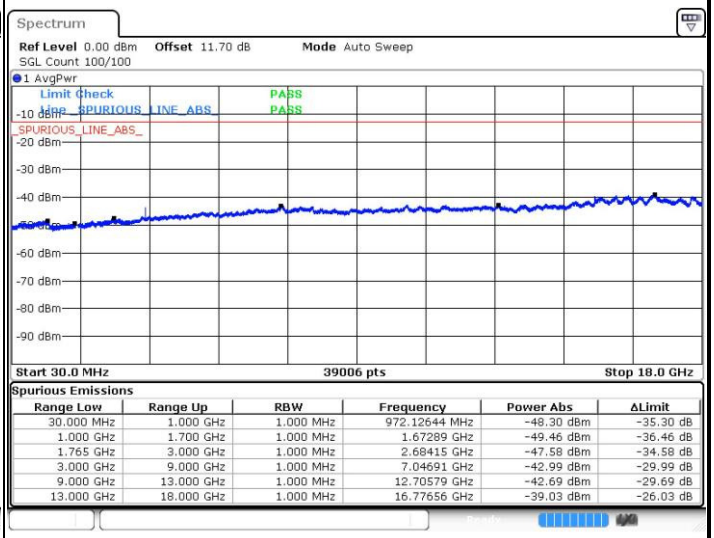


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-48.23 dBm	-35.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63966 GHz	-49.45 dBm	-36.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81625 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-41.06 dBm	-28.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30709 GHz	-42.60 dBm	-29.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78489 GHz	-38.84 dBm	-25.84 dB

Date: 8.FEB.2016 10:26:11

Highest Channel / 16QAM



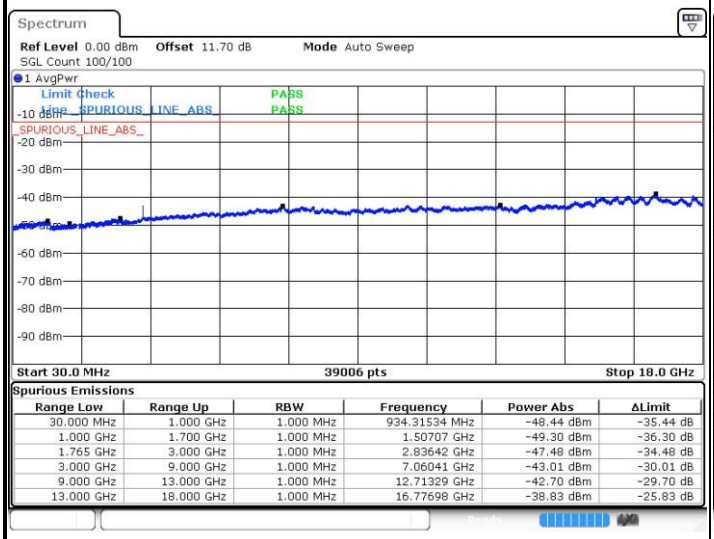
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-48.30 dBm	-35.30 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67289 GHz	-49.46 dBm	-36.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68415 GHz	-47.58 dBm	-34.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04691 GHz	-42.99 dBm	-29.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-42.69 dBm	-29.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77656 GHz	-39.03 dBm	-26.03 dB

Date: 8.FEB.2016 10:27:06

LTE Band 4 / 5MHz

Lowest Channel / QPSK

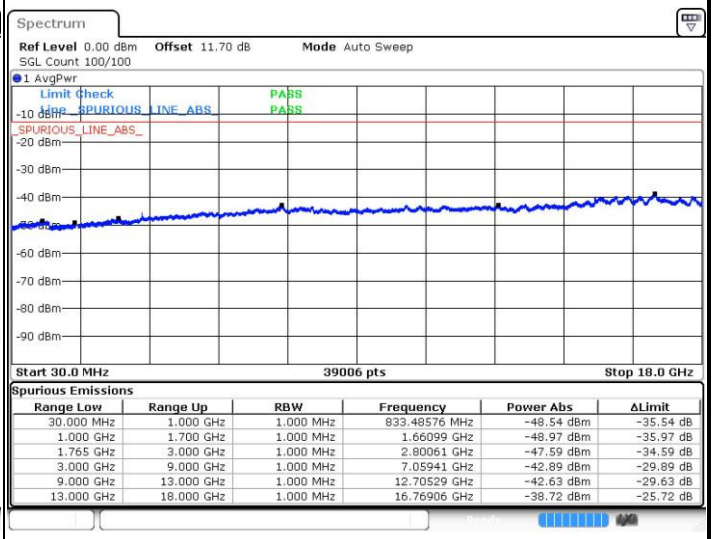


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.31534 MHz	-48.44 dBm	-35.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.50707 GHz	-49.30 dBm	-36.30 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83642 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06041 GHz	-43.01 dBm	-30.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71329 GHz	-42.70 dBm	-29.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77698 GHz	-38.83 dBm	-25.83 dB

Date: 8.FEB.2016 10:33:20

Lowest Channel / 16QAM

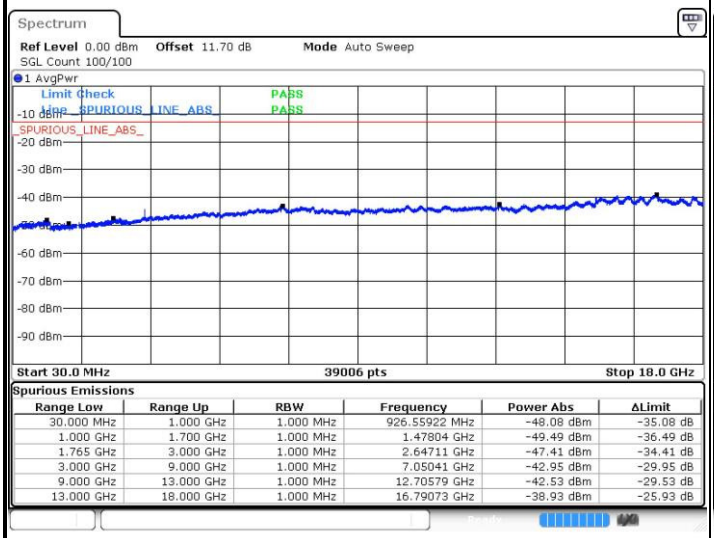


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	833.48576 MHz	-48.54 dBm	-35.54 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66099 GHz	-48.97 dBm	-35.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.80061 GHz	-47.59 dBm	-34.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05941 GHz	-42.89 dBm	-29.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70529 GHz	-42.63 dBm	-29.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76906 GHz	-38.72 dBm	-25.72 dB

Date: 8.FEB.2016 10:34:15

Middle Channel / QPSK

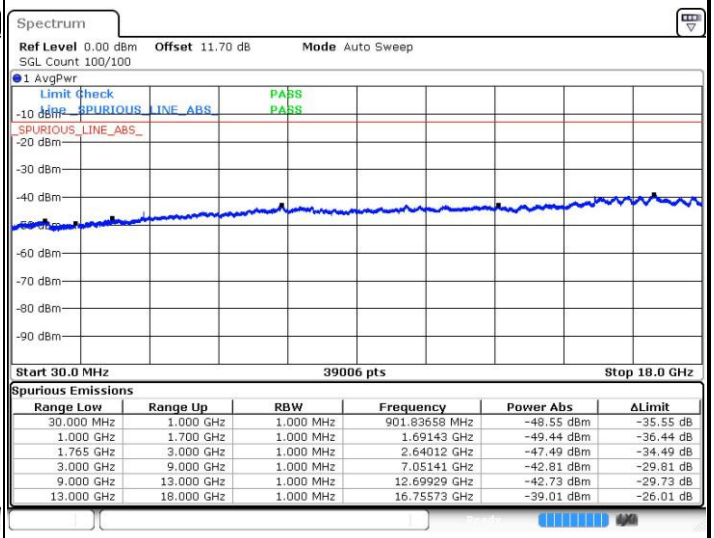


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-48.08 dBm	-35.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.47804 GHz	-49.49 dBm	-36.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64711 GHz	-47.41 dBm	-34.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05041 GHz	-42.95 dBm	-29.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-42.53 dBm	-29.53 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79073 GHz	-38.93 dBm	-25.93 dB

Date: 8.FEB.2016 10:35:52

Middle Channel / 16QAM



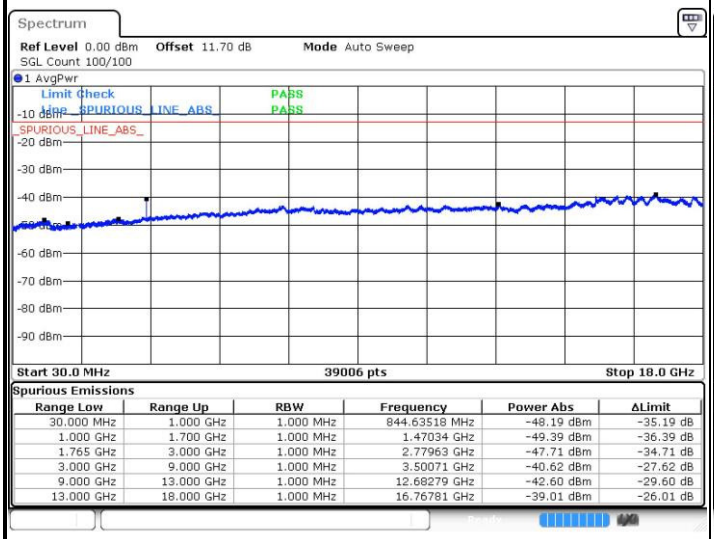
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-48.55 dBm	-35.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-49.44 dBm	-36.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64012 GHz	-47.49 dBm	-34.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05141 GHz	-42.81 dBm	-29.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69929 GHz	-42.73 dBm	-29.73 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.75573 GHz	-39.01 dBm	-26.01 dB

Date: 8.FEB.2016 10:36:46

LTE Band 4 / 5MHz

Highest Channel / QPSK

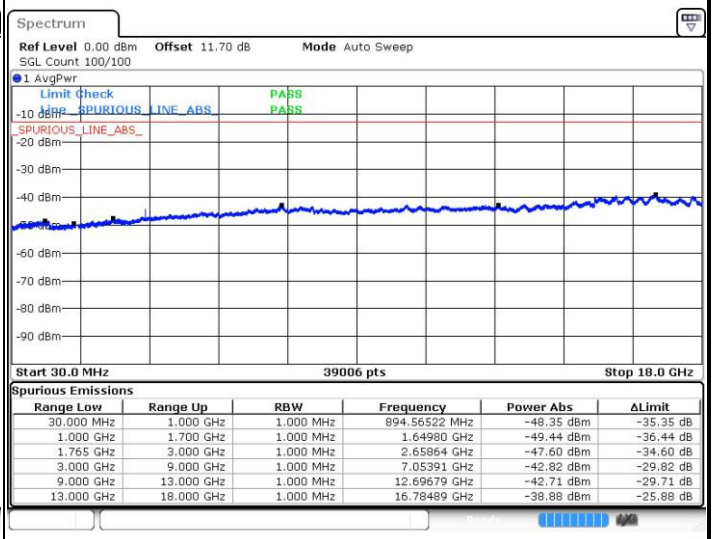


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-48.19 dBm	-35.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.47034 GHz	-49.39 dBm	-36.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.77963 GHz	-47.71 dBm	-34.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50071 GHz	-40.62 dBm	-27.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68279 GHz	-42.60 dBm	-29.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76781 GHz	-39.01 dBm	-26.01 dB

Date: 8.FEB.2016 10:43:01

Highest Channel / 16QAM



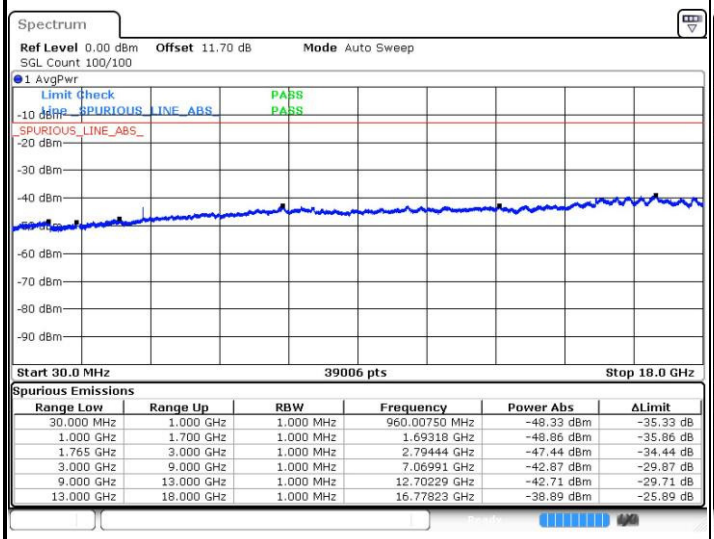
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-48.35 dBm	-35.35 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64980 GHz	-49.44 dBm	-36.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65864 GHz	-47.60 dBm	-34.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-42.82 dBm	-29.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-42.71 dBm	-29.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78489 GHz	-38.88 dBm	-25.88 dB

Date: 8.FEB.2016 10:43:55

LTE Band 4 / 10MHz

Lowest Channel / QPSK

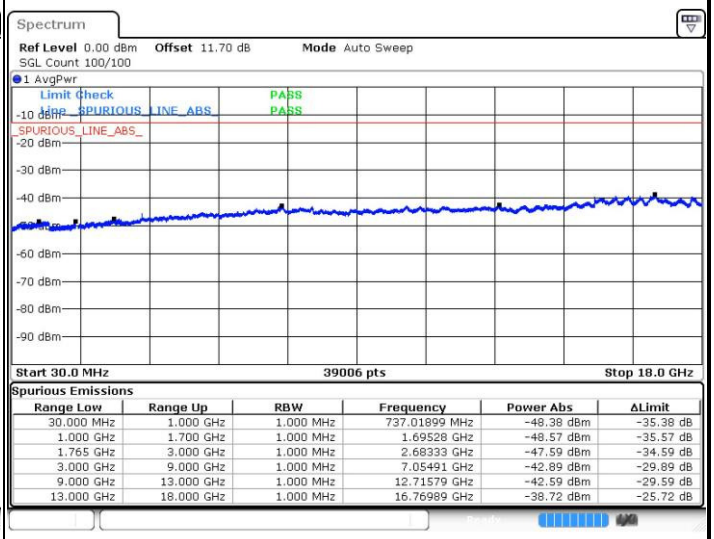


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-48.33 dBm	-35.33 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-48.86 dBm	-35.86 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.79444 GHz	-47.44 dBm	-34.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06991 GHz	-42.87 dBm	-29.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-42.71 dBm	-29.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77823 GHz	-38.89 dBm	-25.89 dB

Date: 8.FEB.2016 10:50:09

Lowest Channel / 16QAM



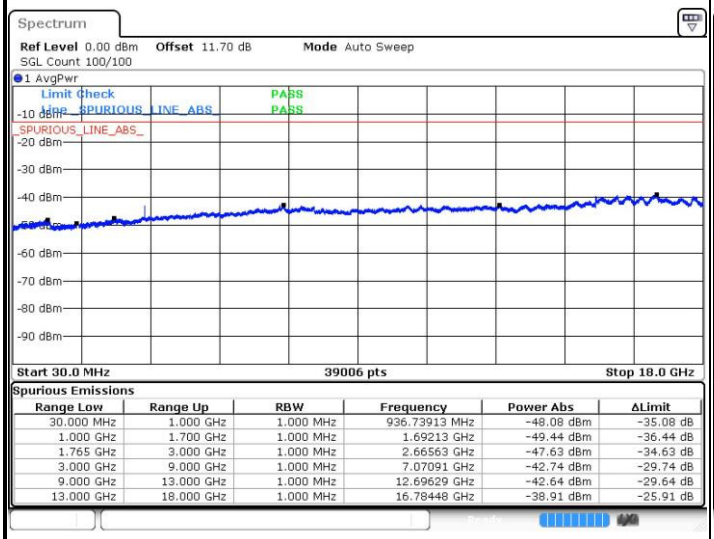
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	737.01899 MHz	-48.38 dBm	-35.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69528 GHz	-48.57 dBm	-35.57 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68333 GHz	-47.59 dBm	-34.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05491 GHz	-42.89 dBm	-29.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71579 GHz	-42.59 dBm	-29.59 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76989 GHz	-38.72 dBm	-25.72 dB

Date: 8.FEB.2016 10:51:04

LTE Band 4 / 10MHz

Middle Channel / QPSK

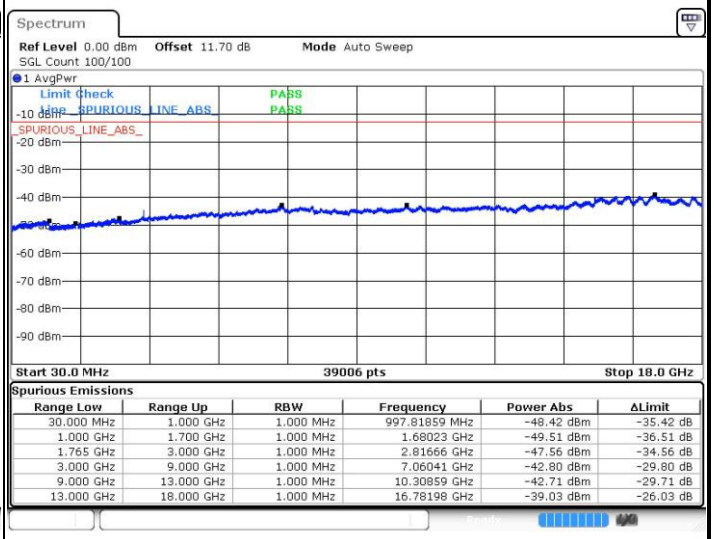


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-48.08 dBm	-35.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69213 GHz	-49.44 dBm	-36.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66563 GHz	-47.63 dBm	-34.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07091 GHz	-42.74 dBm	-29.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69629 GHz	-42.64 dBm	-29.64 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78448 GHz	-38.91 dBm	-25.91 dB

Date: 8.FEB.2016 10:52:41

Middle Channel / 16QAM

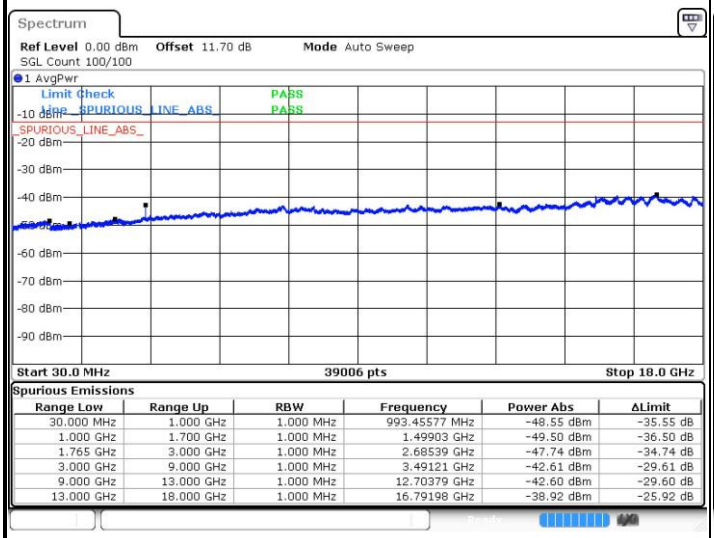


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-48.42 dBm	-35.42 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68023 GHz	-49.51 dBm	-36.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81666 GHz	-47.56 dBm	-34.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06041 GHz	-42.80 dBm	-29.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30859 GHz	-42.71 dBm	-29.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78198 GHz	-39.03 dBm	-26.03 dB

Date: 8.FEB.2016 10:53:36

Highest Channel / QPSK

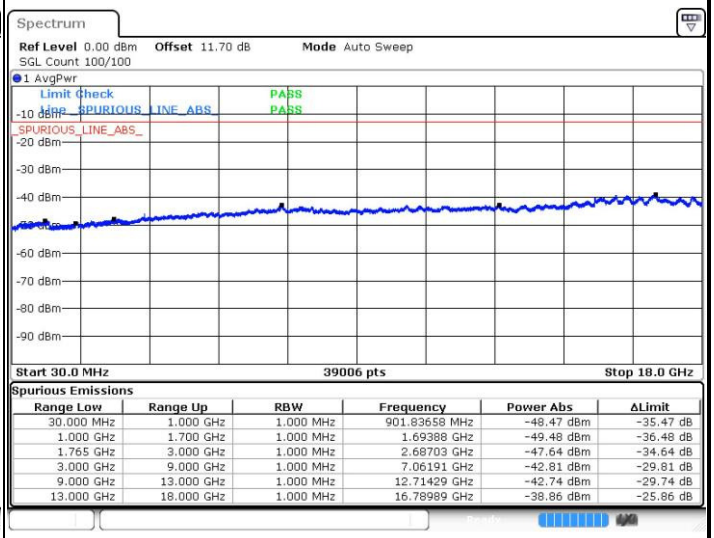


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-48.55 dBm	-35.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.49903 GHz	-49.50 dBm	-36.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68539 GHz	-47.74 dBm	-34.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.49121 GHz	-42.61 dBm	-29.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-42.60 dBm	-29.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79198 GHz	-38.92 dBm	-25.92 dB

Date: 8.FEB.2016 10:59:50

Highest Channel / 16QAM



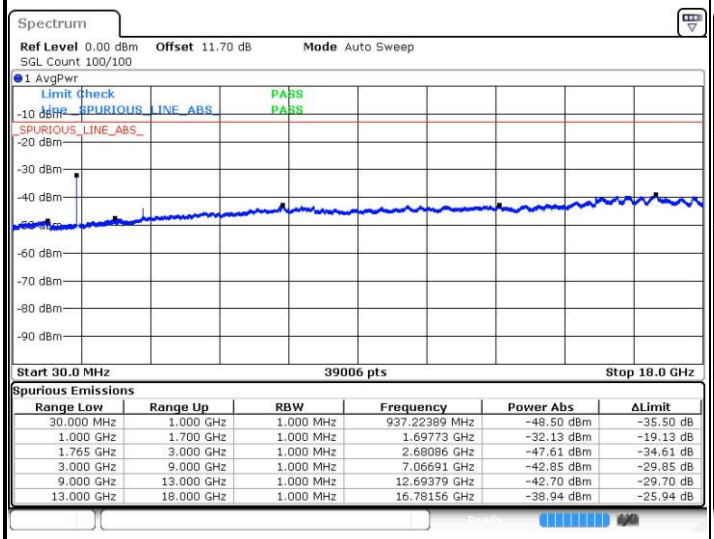
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-48.47 dBm	-35.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-49.48 dBm	-36.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68703 GHz	-47.64 dBm	-34.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06191 GHz	-42.81 dBm	-29.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71429 GHz	-42.74 dBm	-29.74 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78989 GHz	-38.86 dBm	-25.86 dB

Date: 8.FEB.2016 11:00:45

LTE Band 4 / 15MHz

Lowest Channel / QPSK

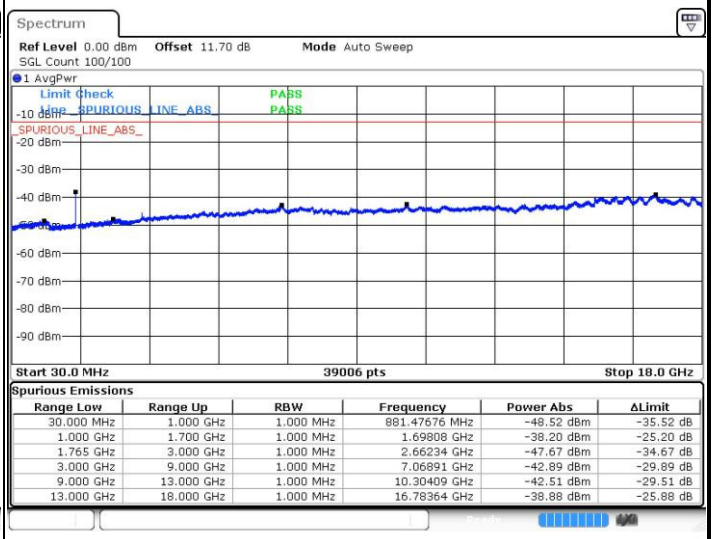


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-48.50 dBm	-35.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-32.13 dBm	-19.13 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68086 GHz	-47.61 dBm	-34.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06691 GHz	-42.85 dBm	-29.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69379 GHz	-42.70 dBm	-29.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78156 GHz	-38.94 dBm	-25.94 dB

Date: 8.FEB.2016 11:09:15

Lowest Channel / 16QAM

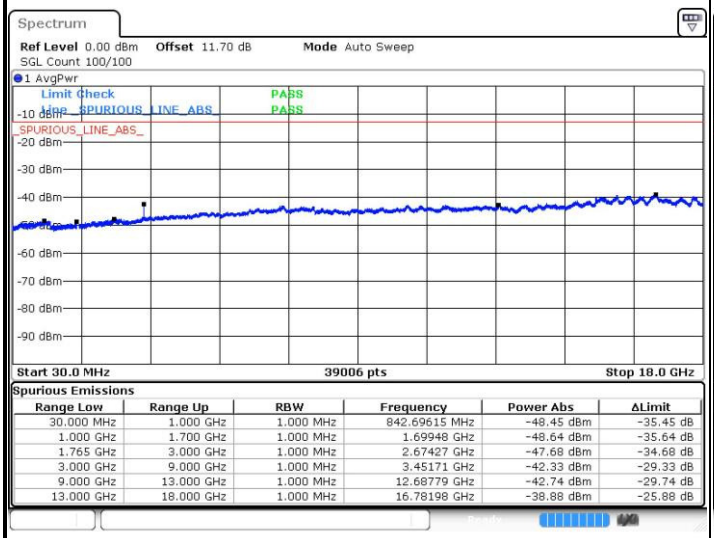


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.47676 MHz	-48.52 dBm	-35.52 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-38.20 dBm	-25.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66234 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06891 GHz	-42.89 dBm	-29.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30409 GHz	-42.51 dBm	-29.51 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78364 GHz	-38.88 dBm	-25.88 dB

Date: 8.FEB.2016 11:10:10

Middle Channel / QPSK

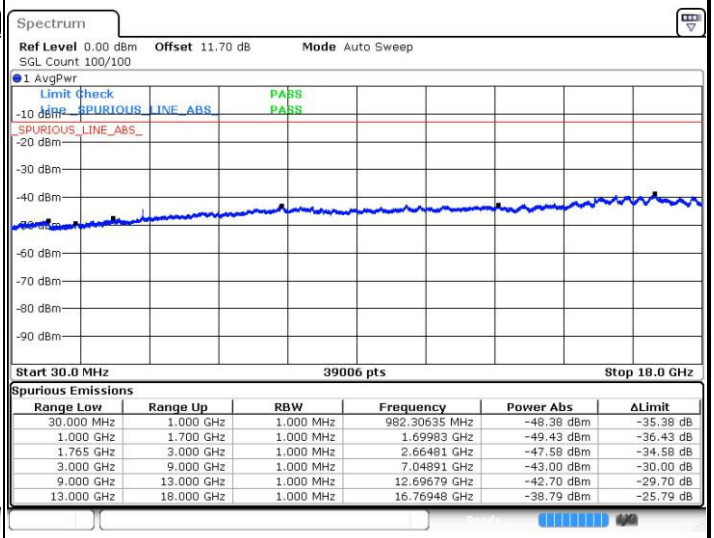


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	842.69615 MHz	-48.45 dBm	-35.45 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-48.64 dBm	-35.64 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67427 GHz	-47.68 dBm	-34.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-42.33 dBm	-29.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68779 GHz	-42.74 dBm	-29.74 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78198 GHz	-38.88 dBm	-25.88 dB

Date: 8.FEB.2016 11:11:47

Middle Channel / 16QAM



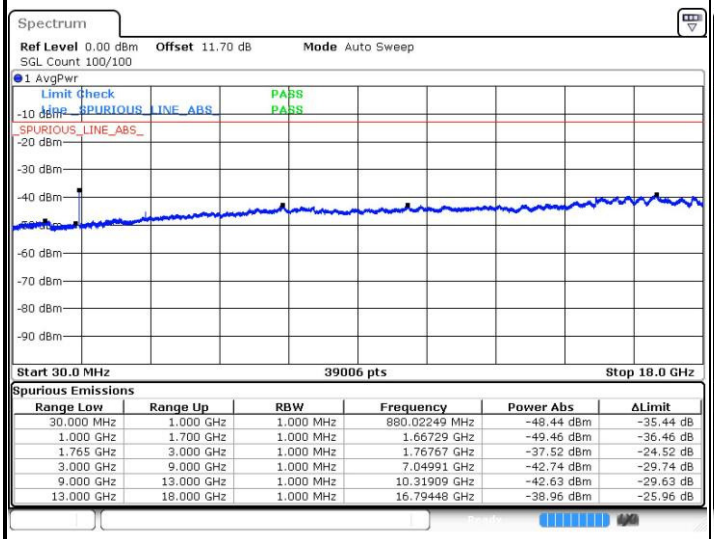
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-48.38 dBm	-35.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-49.43 dBm	-36.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66481 GHz	-47.58 dBm	-34.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04891 GHz	-43.00 dBm	-30.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-42.70 dBm	-29.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76948 GHz	-38.79 dBm	-25.79 dB

Date: 8.FEB.2016 11:12:42

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	880.02249 MHz	-48.44 dBm	-35.44 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66729 GHz	-49.46 dBm	-36.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-37.52 dBm	-24.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04991 GHz	-42.74 dBm	-29.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31909 GHz	-42.63 dBm	-29.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79448 GHz	-38.96 dBm	-25.96 dB

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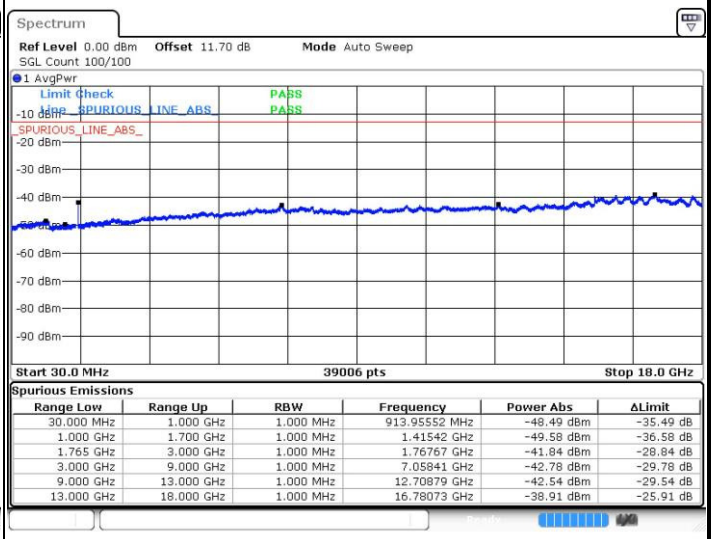
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-48.49 dBm	-35.49 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.41542 GHz	-49.58 dBm	-36.58 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-41.84 dBm	-28.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05841 GHz	-42.78 dBm	-29.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70879 GHz	-42.54 dBm	-29.54 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78073 GHz	-38.91 dBm	-25.91 dB

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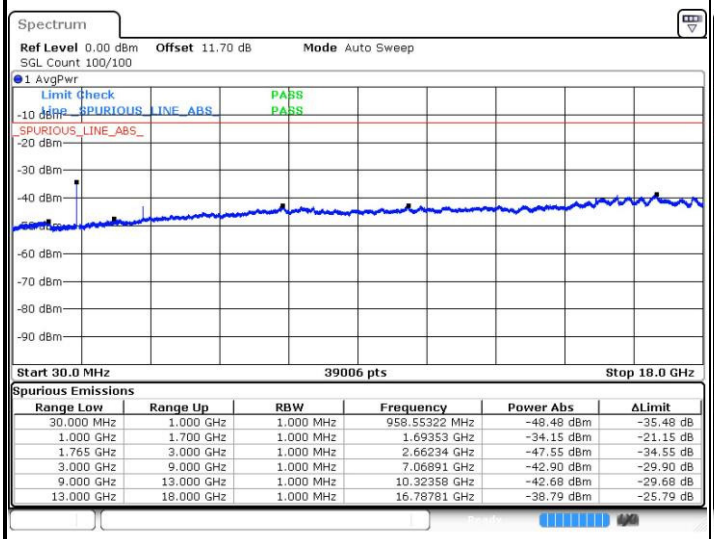
LTE Band 4 / 20MHz

Lowest Channel / QPSK

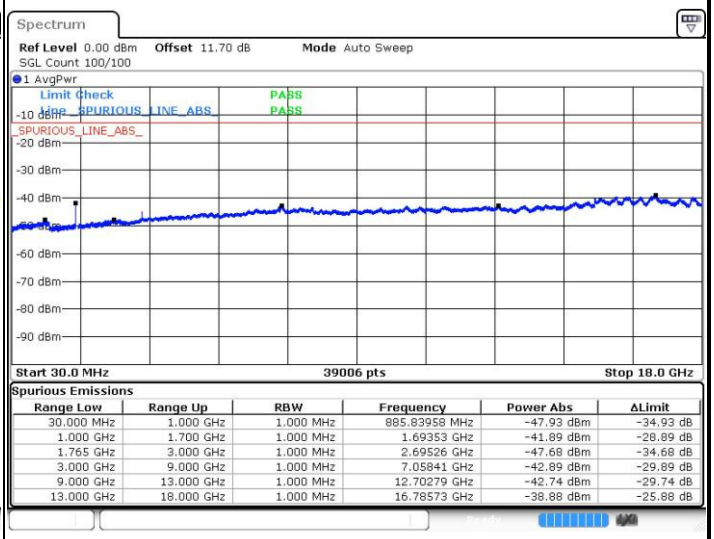


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-48.48 dBm	-35.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-34.15 dBm	-21.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66234 GHz	-47.55 dBm	-34.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06891 GHz	-42.90 dBm	-29.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32358 GHz	-42.68 dBm	-29.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78781 GHz	-38.79 dBm	-25.79 dB

Date: 8.FEB.2016 11:26:04

Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	885.83958 MHz	-47.93 dBm	-34.93 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-41.89 dBm	-28.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69526 GHz	-47.68 dBm	-34.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05841 GHz	-42.89 dBm	-29.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70279 GHz	-42.74 dBm	-29.74 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78573 GHz	-38.88 dBm	-25.88 dB

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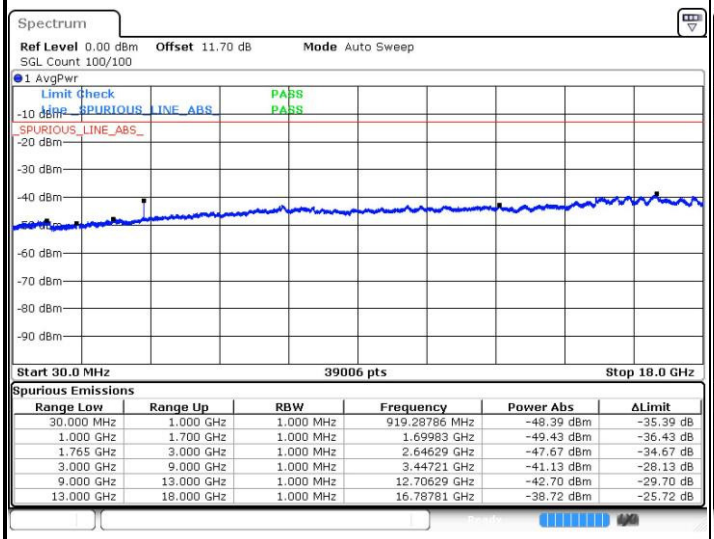
LTE Band 4 / 20MHz

Middle Channel / QPSK

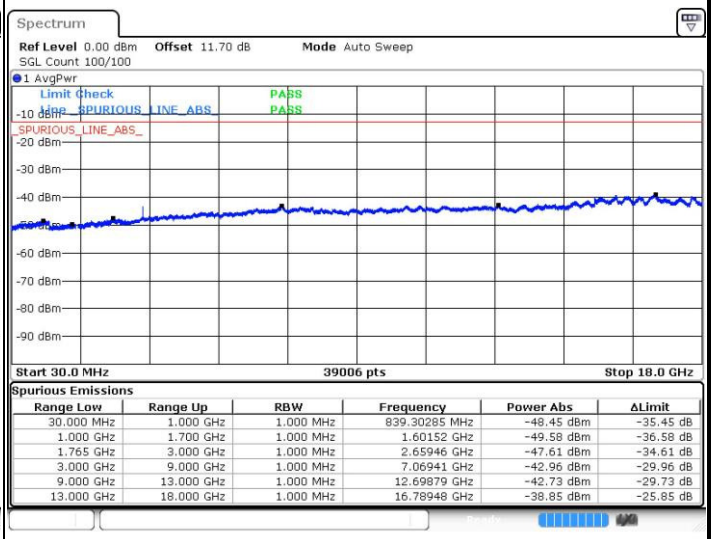


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-48.39 dBm	-35.39 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-49.43 dBm	-36.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64629 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-41.13 dBm	-28.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70629 GHz	-42.70 dBm	-29.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78781 GHz	-38.72 dBm	-25.72 dB

Date: 8.FEB.2016 11:28:36

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	839.30285 MHz	-48.45 dBm	-35.45 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60152 GHz	-49.58 dBm	-36.58 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65946 GHz	-47.61 dBm	-34.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06941 GHz	-42.96 dBm	-29.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-42.73 dBm	-29.73 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78948 GHz	-38.85 dBm	-25.85 dB

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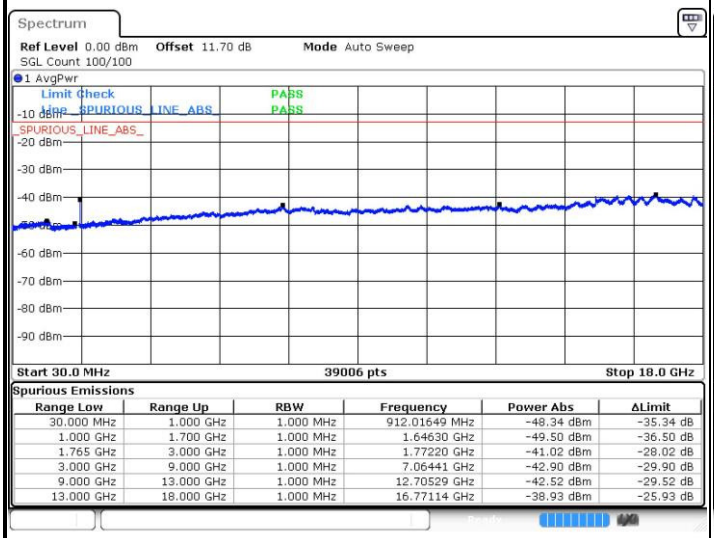
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-48.34 dBm	-35.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64630 GHz	-49.50 dBm	-36.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-41.02 dBm	-28.02 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06441 GHz	-42.90 dBm	-29.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70529 GHz	-42.52 dBm	-29.52 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77114 GHz	-38.93 dBm	-25.93 dB

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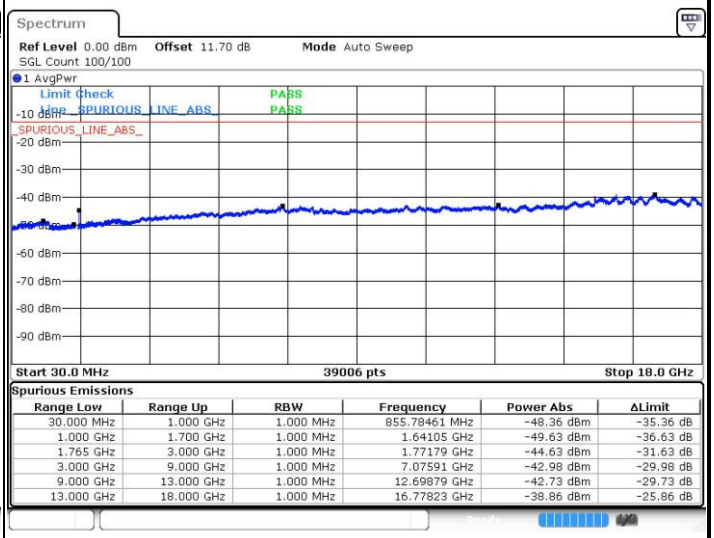
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	855.78461 MHz	-48.36 dBm	-35.36 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64105 GHz	-49.63 dBm	-36.63 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-44.63 dBm	-31.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07591 GHz	-42.98 dBm	-29.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-42.73 dBm	-29.73 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77823 GHz	-38.86 dBm	-25.86 dB

Date: 8.FEB.2016 11:36:39

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	0.0007	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage = 3.8 V. ；Battery End Point (BEP) = 3.2 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

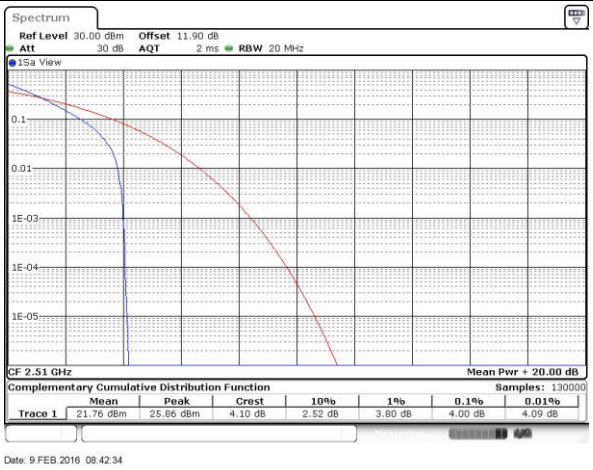
LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4	4.9	5.36	5.91	PASS
Middle CH	4	5.01	5.54	6.12	
Highest CH	4.03	4.96	5.39	6.06	

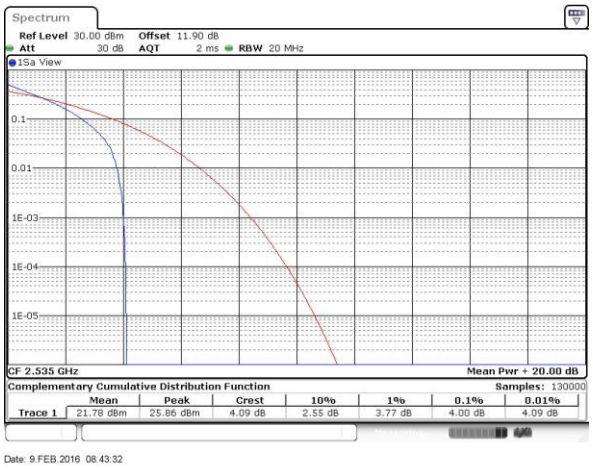
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB

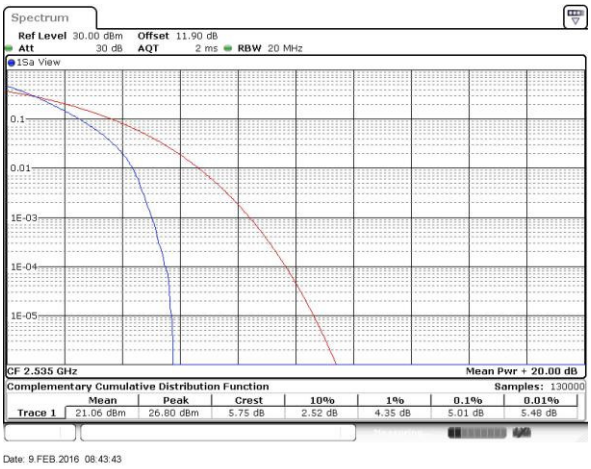


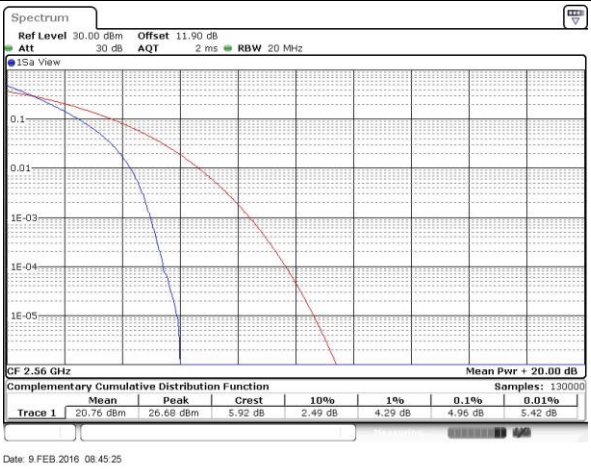
Lowest Channel / Full RB

Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB

Highest Channel / Full RB