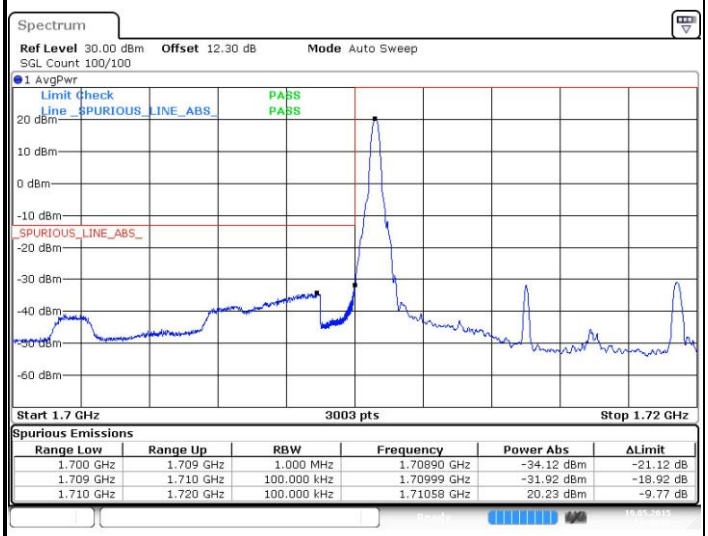
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

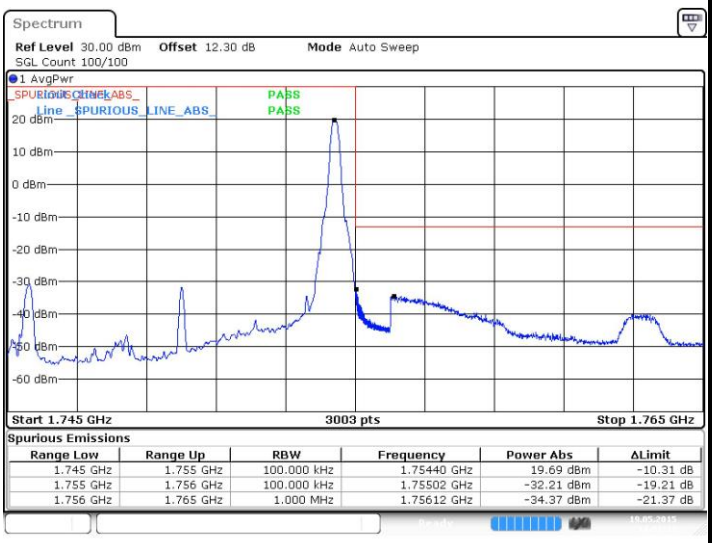


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-34.12 dBm	-21.12 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-31.92 dBm	-18.92 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71058 GHz	20.23 dBm	-9.77 dB

Date: 19.MAY.2015 14:40:19

Highest Band Edge / 1 RB

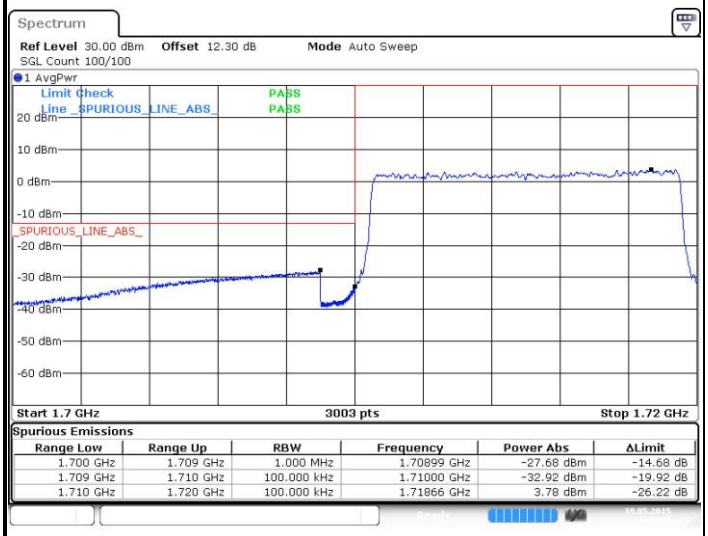


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75440 GHz	19.69 dBm	-10.31 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75502 GHz	-32.21 dBm	-19.21 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75612 GHz	-34.37 dBm	-21.37 dB

Date: 19.MAY.2015 14:51:13

Lowest Band Edge / Full RB

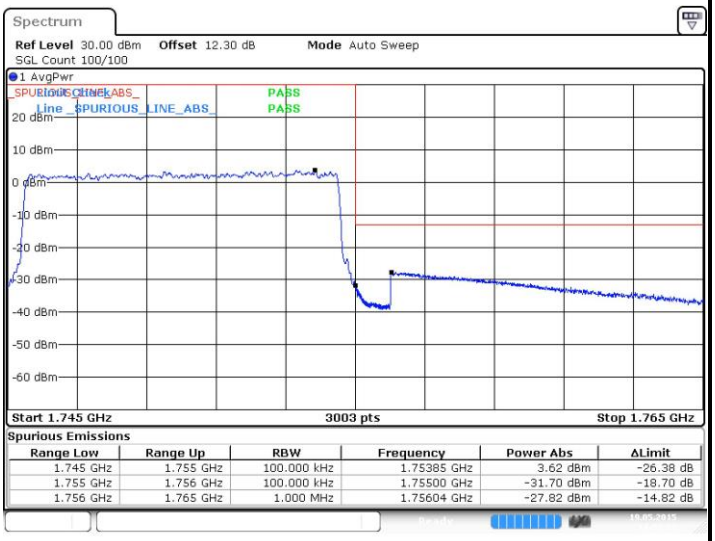


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-27.68 dBm	-14.68 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-32.92 dBm	-19.92 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71866 GHz	3.78 dBm	-26.22 dB

Date: 19.MAY.2015 14:42:38

Highest Band Edge / Full RB



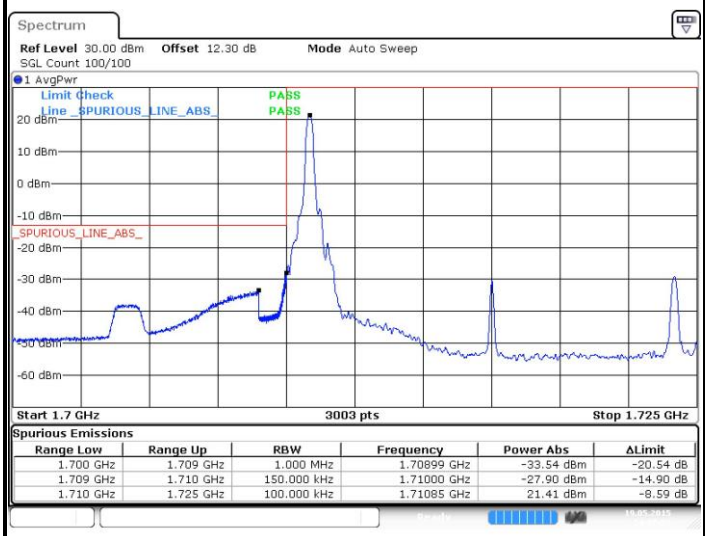
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75385 GHz	3.62 dBm	-26.38 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-31.70 dBm	-18.70 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-27.82 dBm	-14.82 dB

Date: 19.MAY.2015 14:53:32

LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB

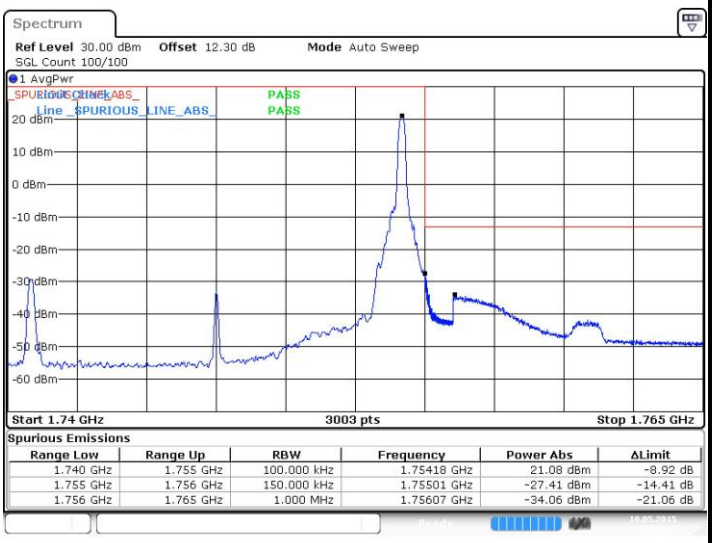


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-33.54 dBm	-20.54 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.71000 GHz	-27.90 dBm	-14.90 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	21.41 dBm	-8.59 dB

Date: 19.MAY.2015 14:57:53

Highest Band Edge / 1 RB

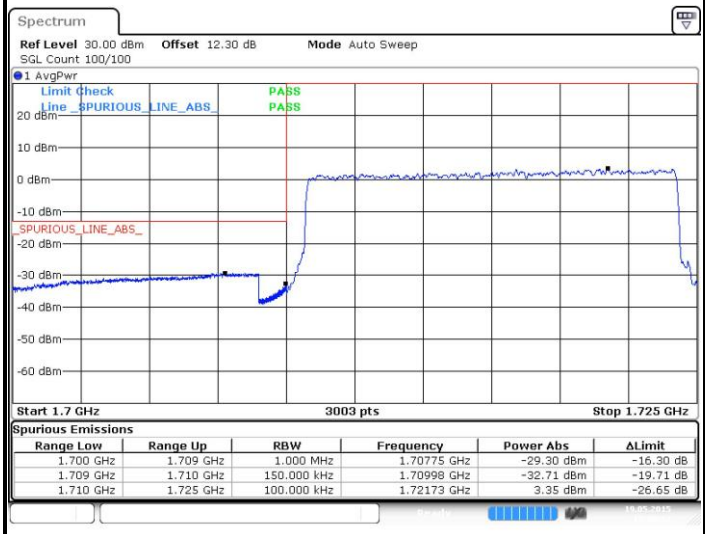


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75418 GHz	21.08 dBm	-8.92 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75501 GHz	-27.41 dBm	-14.41 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75607 GHz	-34.06 dBm	-21.06 dB

Date: 19.MAY.2015 15:08:47

Lowest Band Edge / Full RB

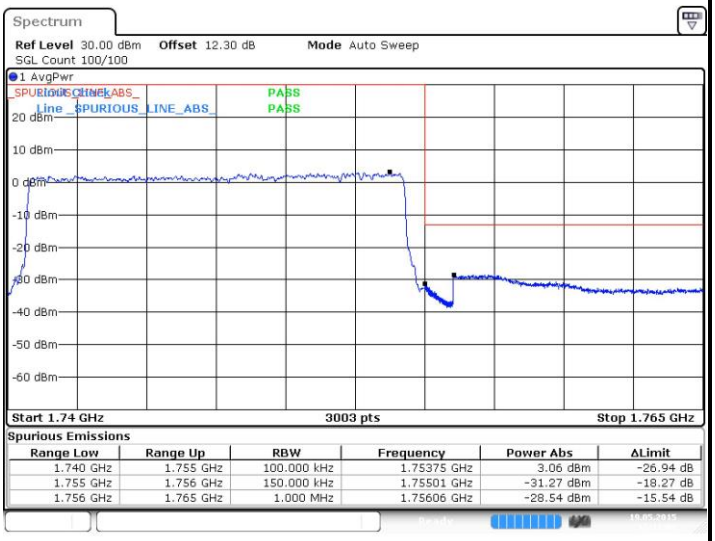


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70775 GHz	-29.30 dBm	-16.30 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70998 GHz	-32.71 dBm	-19.71 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72173 GHz	3.35 dBm	-26.65 dB

Date: 19.MAY.2015 15:00:13

Highest Band Edge / Full RB



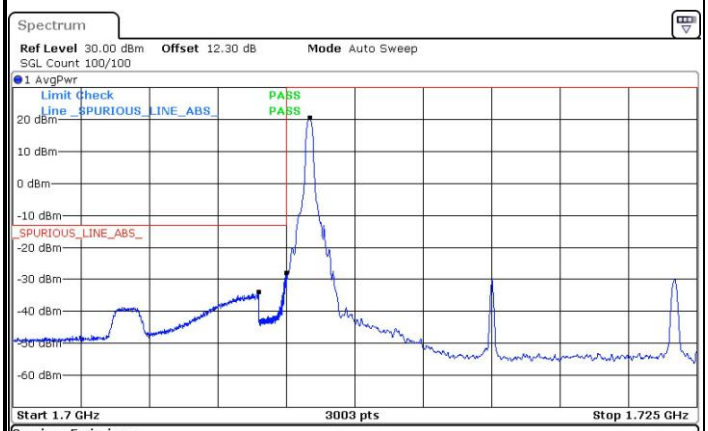
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75375 GHz	3.06 dBm	-26.94 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75501 GHz	-31.27 dBm	-18.27 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-28.54 dBm	-15.54 dB

Date: 19.MAY.2015 15:11:07

LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

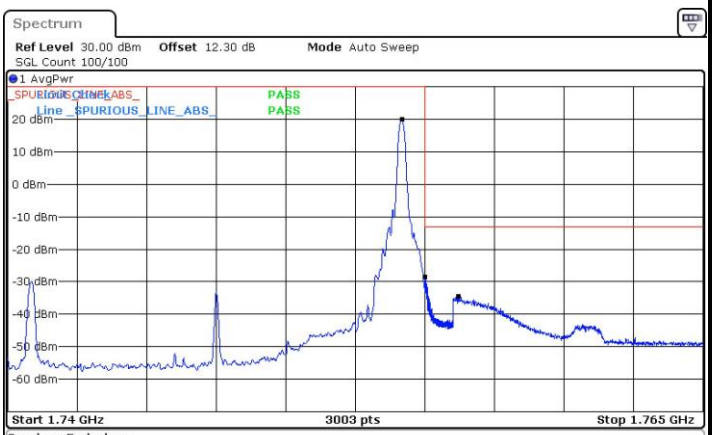


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-34.09 dBm	-21.09 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.71000 GHz	-27.92 dBm	-14.92 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	20.44 dBm	-9.56 dB

Date: 19.MAY.2015 14:59:03

Highest Band Edge / 1 RB

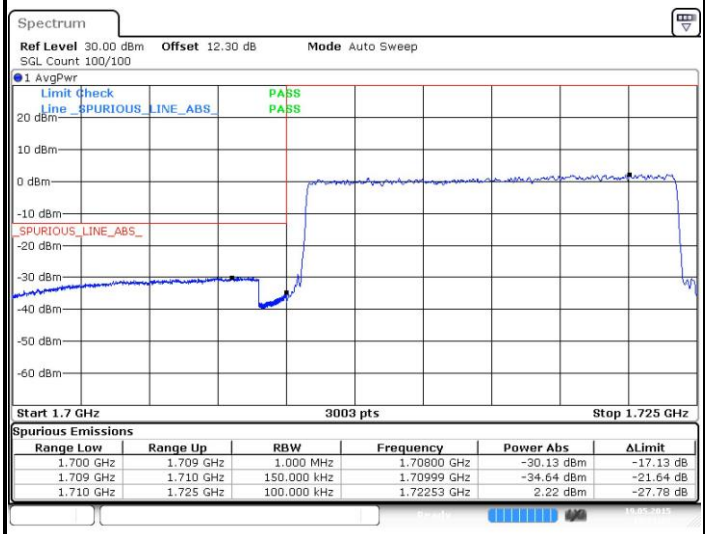


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75417 GHz	20.10 dBm	-9.90 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-28.64 dBm	-15.64 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75619 GHz	-34.63 dBm	-21.63 dB

Date: 19.MAY.2015 15:09:57

Lowest Band Edge / Full RB

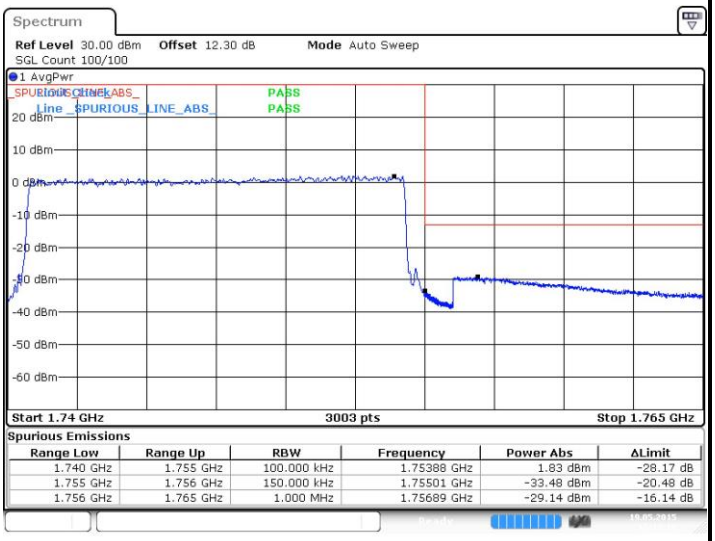


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70800 GHz	-30.13 dBm	-17.13 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-34.64 dBm	-21.64 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72253 GHz	2.22 dBm	-27.78 dB

Date: 19.MAY.2015 15:01:22

Highest Band Edge / Full RB



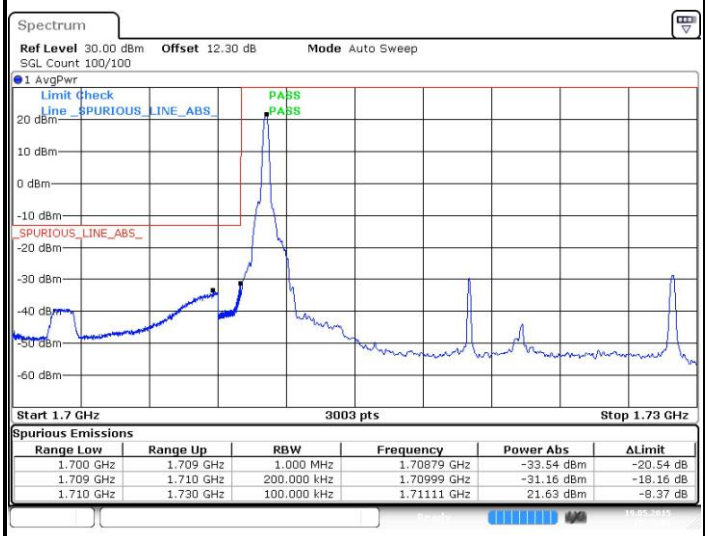
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75388 GHz	1.83 dBm	-28.17 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75501 GHz	-33.48 dBm	-20.48 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75689 GHz	-29.14 dBm	-16.14 dB

Date: 19.MAY.2015 15:12:16

LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

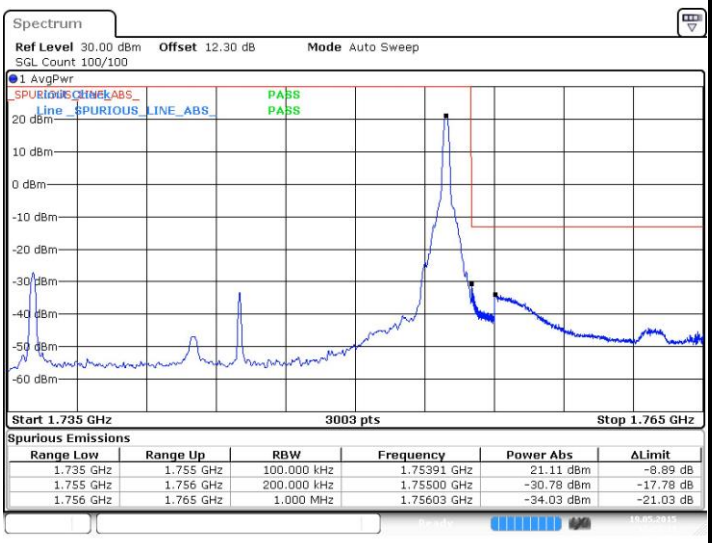


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70879 GHz	-33.54 dBm	-20.54 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-31.16 dBm	-18.16 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71111 GHz	21.63 dBm	-8.37 dB

Date: 19.MAY.2015 15:16:38

Highest Band Edge / 1 RB

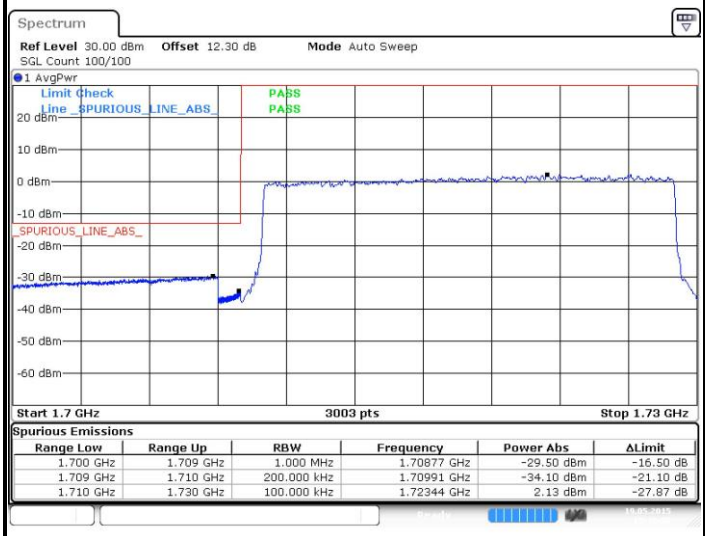


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	21.11 dBm	-8.89 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75500 GHz	-30.78 dBm	-17.78 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-34.03 dBm	-21.03 dB

Date: 19.MAY.2015 15:27:31

Lowest Band Edge / Full RB

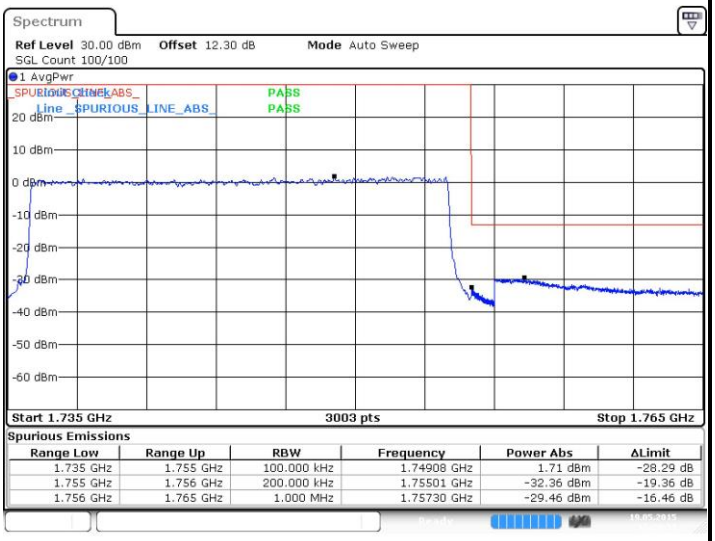


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70877 GHz	-29.50 dBm	-16.50 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70991 GHz	-34.10 dBm	-21.10 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72344 GHz	2.13 dBm	-27.87 dB

Date: 19.MAY.2015 15:18:57

Highest Band Edge / Full RB



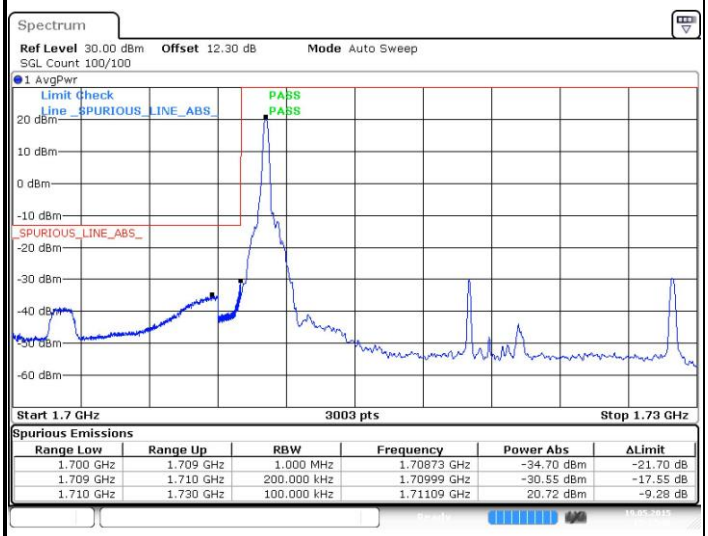
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74908 GHz	1.71 dBm	-28.29 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-32.36 dBm	-19.36 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75730 GHz	-29.46 dBm	-16.46 dB

Date: 19.MAY.2015 15:29:51

LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

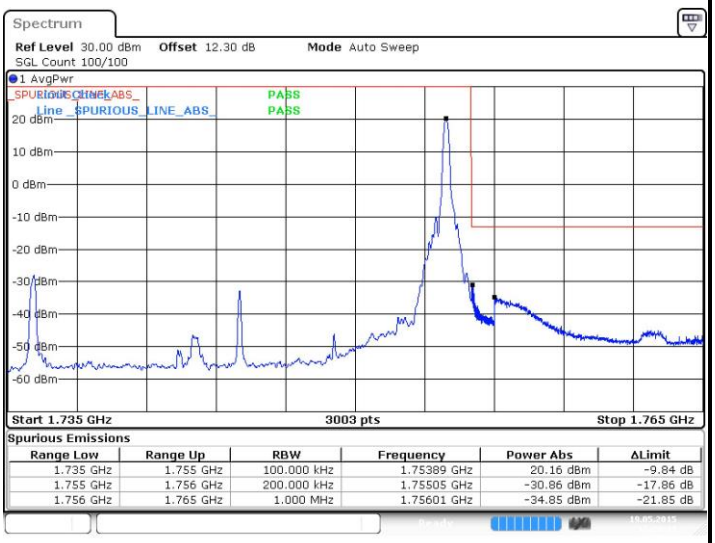


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70873 GHz	-34.70 dBm	-21.70 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-30.55 dBm	-17.55 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	20.72 dBm	-9.28 dB

Date: 19.MAY.2015 15:17:47

Highest Band Edge / 1 RB

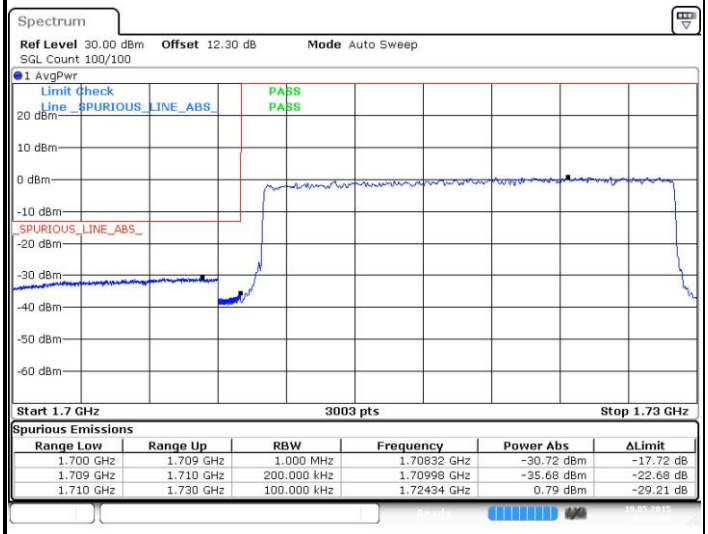


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75389 GHz	20.16 dBm	-9.84 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75505 GHz	-30.86 dBm	-17.86 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-34.85 dBm	-21.85 dB

Date: 19.MAY.2015 15:28:41

Lowest Band Edge / Full RB

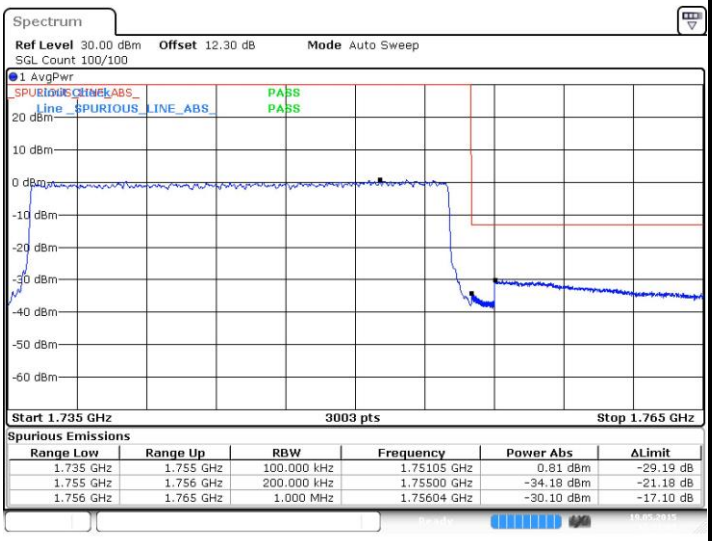


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70832 GHz	-30.72 dBm	-17.72 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-35.68 dBm	-22.68 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72434 GHz	0.79 dBm	-29.21 dB

Date: 19.MAY.2015 15:20:07

Highest Band Edge / Full RB



Spurious Emissions

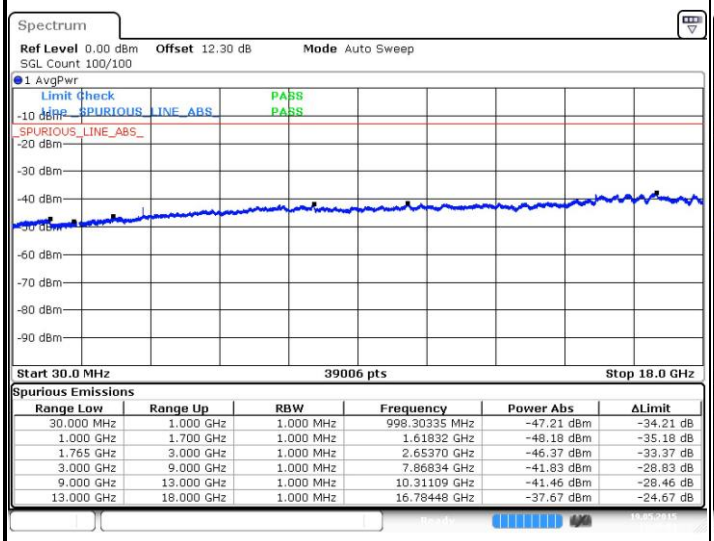
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75105 GHz	0.81 dBm	-29.19 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75500 GHz	-34.18 dBm	-21.18 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-30.10 dBm	-17.10 dB

Date: 19.MAY.2015 15:31:00

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

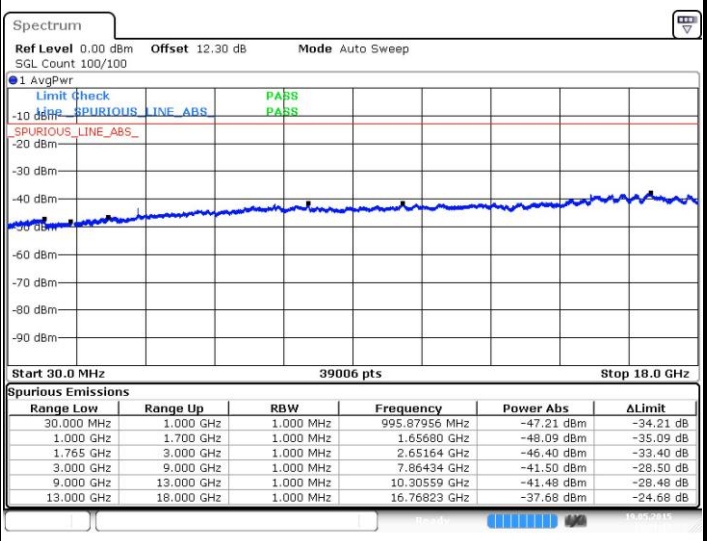


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-47.21 dBm	-34.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61832 GHz	-48.18 dBm	-35.18 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65370 GHz	-46.37 dBm	-33.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86834 GHz	-41.83 dBm	-28.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31109 GHz	-41.46 dBm	-28.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78448 GHz	-37.67 dBm	-24.67 dB

Date: 19.MAY.2015 15:40:02

Lowest Channel / 16QAM

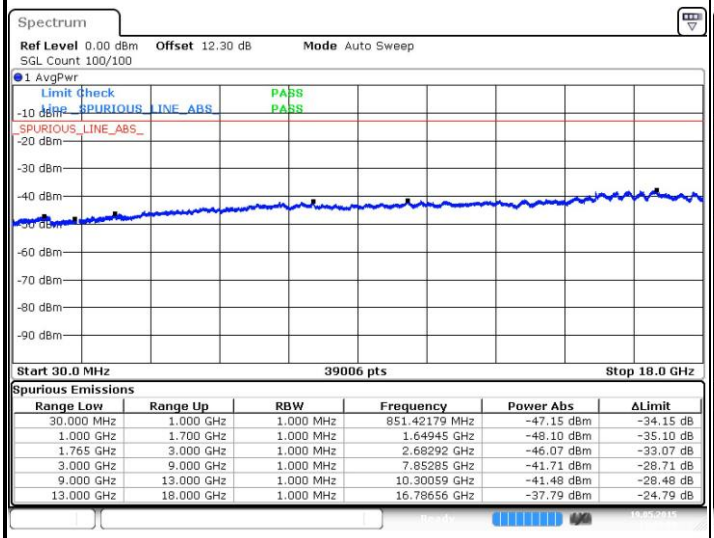


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-47.21 dBm	-34.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65680 GHz	-48.09 dBm	-35.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65164 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86434 GHz	-41.50 dBm	-28.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30559 GHz	-41.48 dBm	-28.48 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76823 GHz	-37.68 dBm	-24.68 dB

Date: 19.MAY.2015 15:41:12

Middle Channel / QPSK

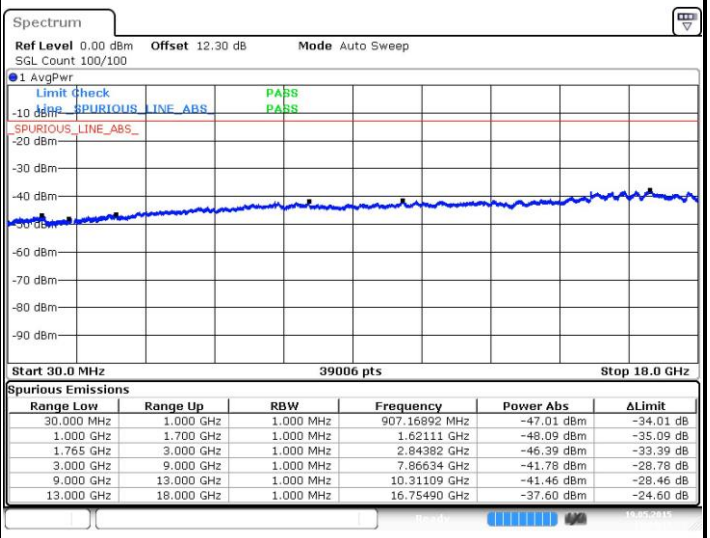


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	851.42179 MHz	-47.15 dBm	-34.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64945 GHz	-48.10 dBm	-35.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68292 GHz	-46.07 dBm	-33.07 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85285 GHz	-41.71 dBm	-28.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30059 GHz	-41.48 dBm	-28.48 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78656 GHz	-37.79 dBm	-24.79 dB

Date: 19.MAY.2015 15:43:09

Middle Channel / 16QAM



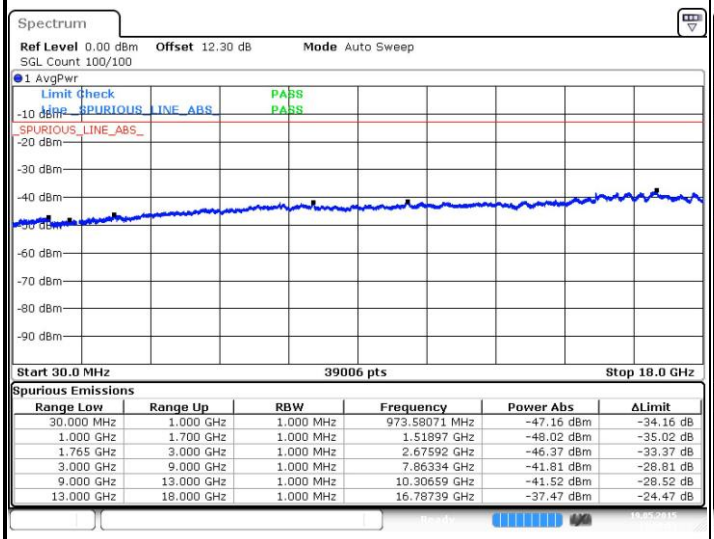
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62111 GHz	-48.09 dBm	-35.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84382 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86634 GHz	-41.78 dBm	-28.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31109 GHz	-41.46 dBm	-28.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.75490 GHz	-37.60 dBm	-24.60 dB

Date: 19.MAY.2015 15:44:19

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

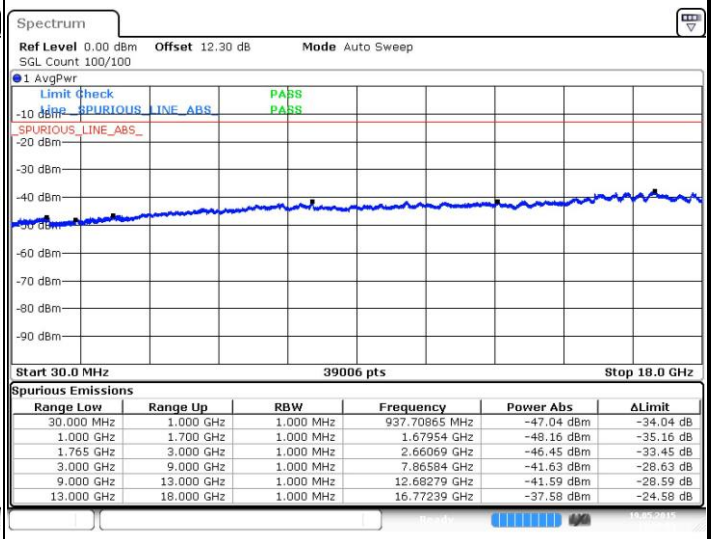


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-47.16 dBm	-34.16 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.51897 GHz	-48.02 dBm	-35.02 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67592 GHz	-46.37 dBm	-33.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86334 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30659 GHz	-41.52 dBm	-28.52 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78739 GHz	-37.47 dBm	-24.47 dB

Date: 19.MAY.2015 15:50:55

Highest Channel / 16QAM



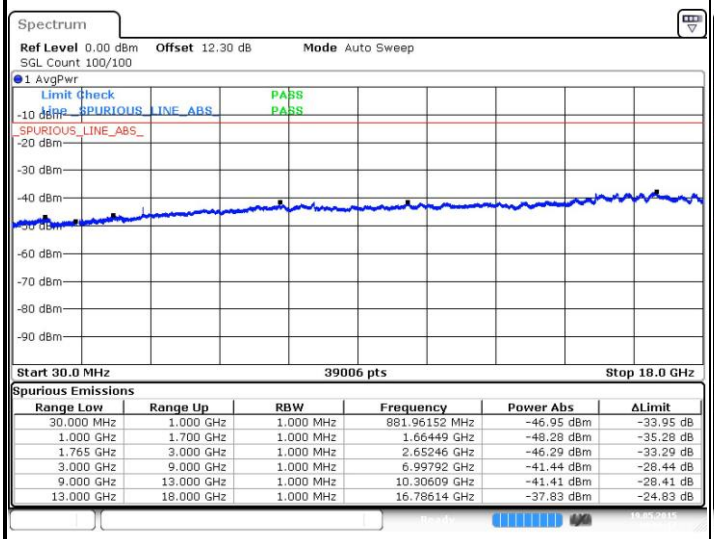
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.70865 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67954 GHz	-48.16 dBm	-35.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66069 GHz	-46.45 dBm	-33.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86584 GHz	-41.63 dBm	-28.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68279 GHz	-41.59 dBm	-28.59 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77239 GHz	-37.58 dBm	-24.58 dB

Date: 19.MAY.2015 15:52:05

LTE Band 4 / 3MHz

Lowest Channel / QPSK

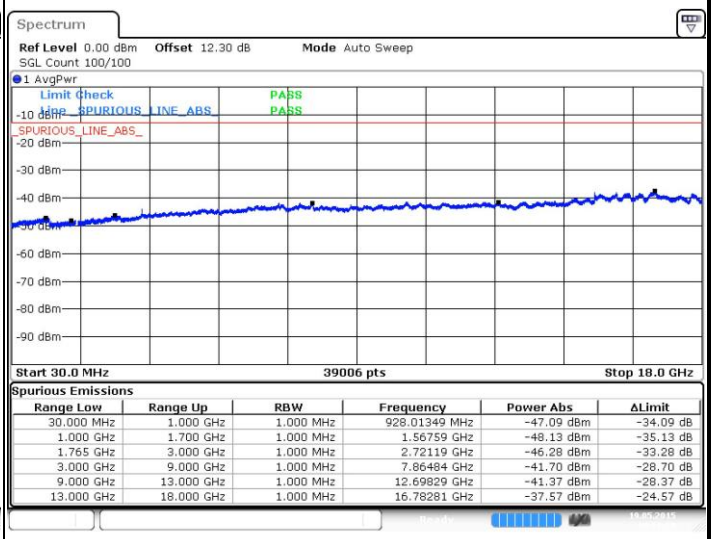


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-46.95 dBm	-33.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66449 GHz	-48.28 dBm	-35.28 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65246 GHz	-46.29 dBm	-33.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-41.44 dBm	-28.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30609 GHz	-41.41 dBm	-28.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78614 GHz	-37.83 dBm	-24.83 dB

Date: 19.MAY.2015 14:06:18

Lowest Channel / 16QAM



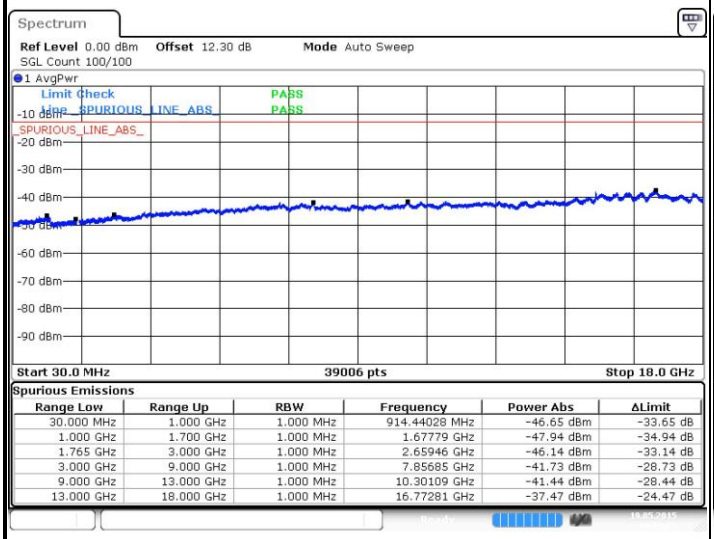
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.56759 GHz	-48.13 dBm	-35.13 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.72119 GHz	-46.28 dBm	-33.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86484 GHz	-41.70 dBm	-28.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69829 GHz	-41.37 dBm	-28.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78281 GHz	-37.57 dBm	-24.57 dB

Date: 19.MAY.2015 14:07:28

LTE Band 4 / 3MHz

Middle Channel / QPSK

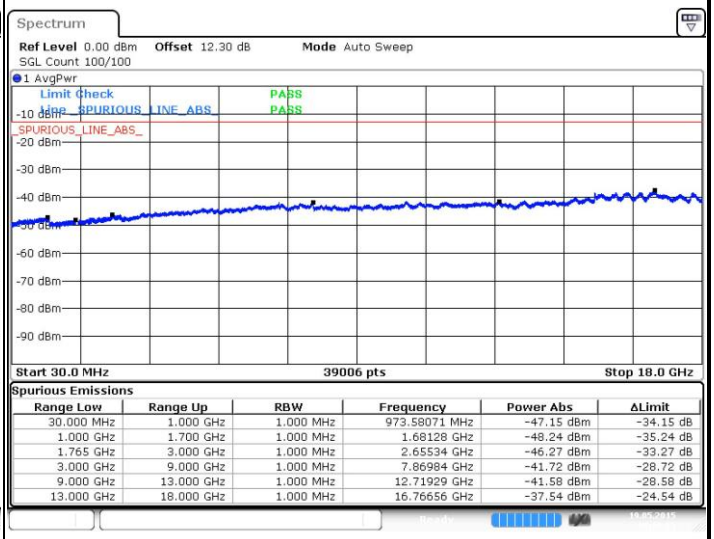


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-46.65 dBm	-33.65 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67779 GHz	-47.94 dBm	-34.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65946 GHz	-46.14 dBm	-33.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85685 GHz	-41.73 dBm	-28.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30109 GHz	-41.44 dBm	-28.44 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77281 GHz	-37.47 dBm	-24.47 dB

Date: 19.MAY.2015 14:09:25

Middle Channel / 16QAM

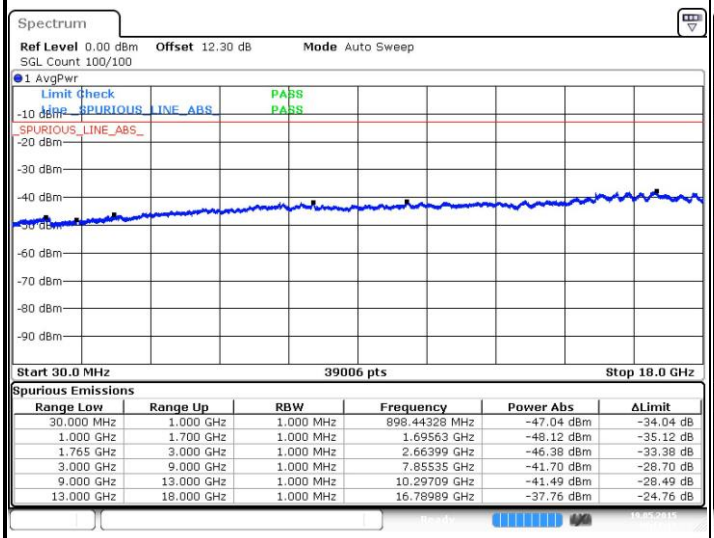


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-47.15 dBm	-34.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68128 GHz	-48.24 dBm	-35.24 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65534 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86984 GHz	-41.72 dBm	-28.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71929 GHz	-41.58 dBm	-28.58 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76656 GHz	-37.54 dBm	-24.54 dB

Date: 19.MAY.2015 14:10:35

Highest Channel / QPSK

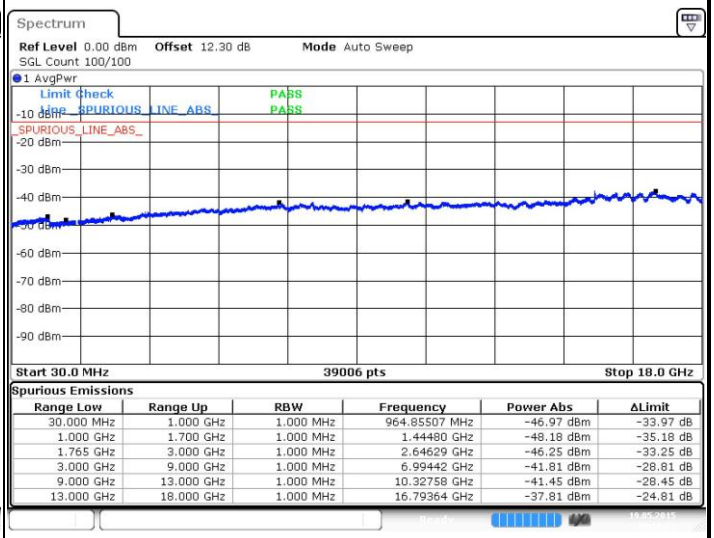


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.44328 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69563 GHz	-48.12 dBm	-35.12 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66399 GHz	-46.38 dBm	-33.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85535 GHz	-41.70 dBm	-28.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29709 GHz	-41.49 dBm	-28.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78989 GHz	-37.76 dBm	-24.76 dB

Date: 19.MAY.2015 14:17:13

Highest Channel / 16QAM



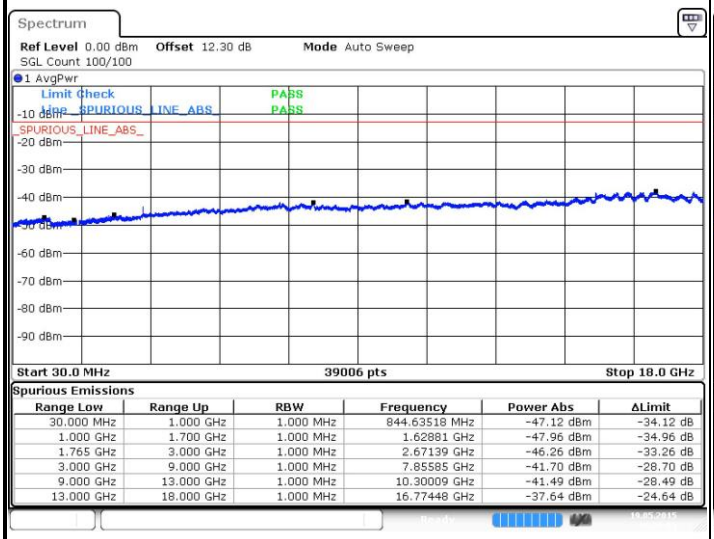
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-46.97 dBm	-33.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.44480 GHz	-48.18 dBm	-35.18 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64629 GHz	-46.25 dBm	-33.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32758 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79364 GHz	-37.81 dBm	-24.81 dB

Date: 19.MAY.2015 14:18:23

LTE Band 4 / 5MHz

Lowest Channel / QPSK

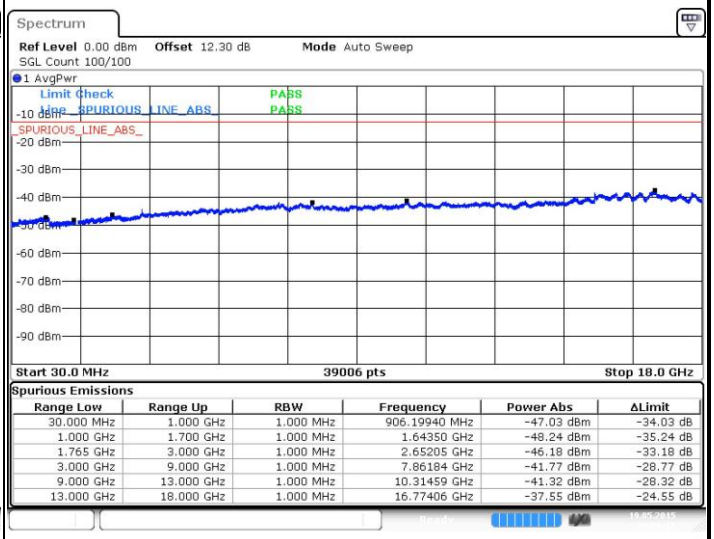


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-47.12 dBm	-34.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62881 GHz	-47.96 dBm	-34.96 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67139 GHz	-46.26 dBm	-33.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85585 GHz	-41.70 dBm	-28.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30009 GHz	-41.49 dBm	-28.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77448 GHz	-37.64 dBm	-24.64 dB

Date: 19.MAY.2015 14:25:04

Lowest Channel / 16QAM

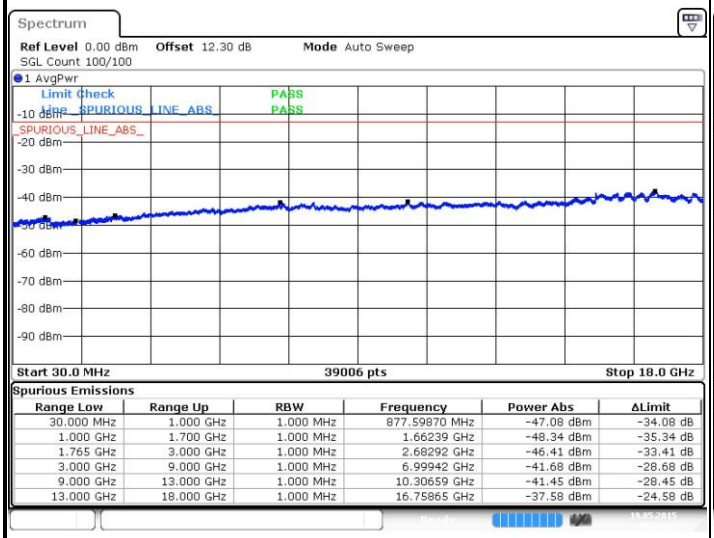


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.19940 MHz	-47.03 dBm	-34.03 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64350 GHz	-48.24 dBm	-35.24 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65205 GHz	-46.18 dBm	-33.18 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86184 GHz	-41.77 dBm	-28.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31459 GHz	-41.32 dBm	-28.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77406 GHz	-37.55 dBm	-24.55 dB

Date: 19.MAY.2015 14:26:15

Middle Channel / QPSK

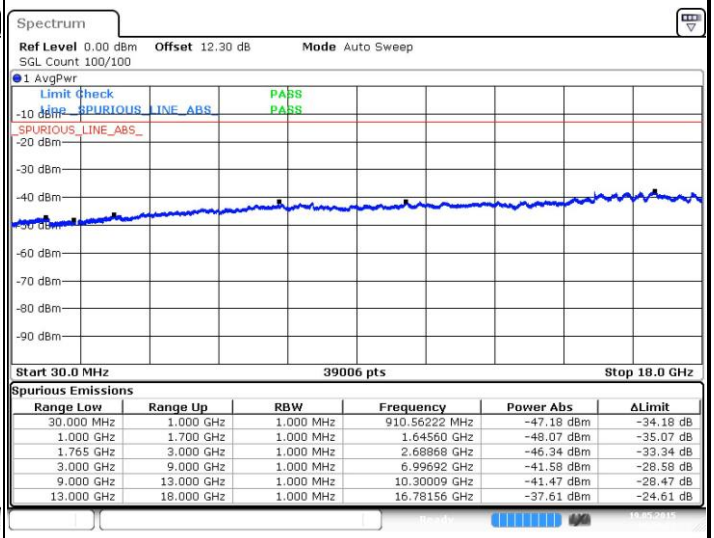


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66239 GHz	-48.34 dBm	-35.34 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68292 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-41.68 dBm	-28.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30659 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.75865 GHz	-37.58 dBm	-24.58 dB

Date: 19.MAY.2015 14:28:12

Middle Channel / 16QAM



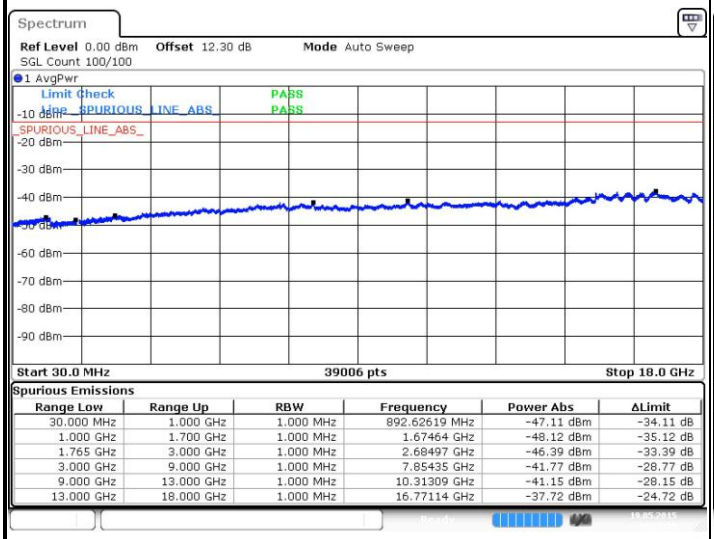
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.56222 MHz	-47.18 dBm	-34.18 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64560 GHz	-48.07 dBm	-35.07 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68868 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-41.58 dBm	-28.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30009 GHz	-41.47 dBm	-28.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78156 GHz	-37.61 dBm	-24.61 dB

Date: 19.MAY.2015 14:29:23

LTE Band 4 / 5MHz

Highest Channel / QPSK

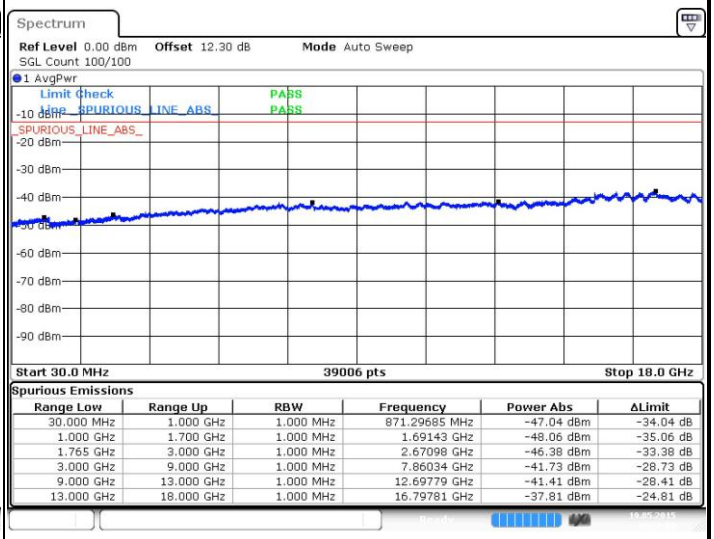


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-47.11 dBm	-34.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67464 GHz	-48.12 dBm	-35.12 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68497 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85435 GHz	-41.77 dBm	-28.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31309 GHz	-41.15 dBm	-28.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77114 GHz	-37.72 dBm	-24.72 dB

Date: 19.MAY.2015 14:35:59

Highest Channel / 16QAM



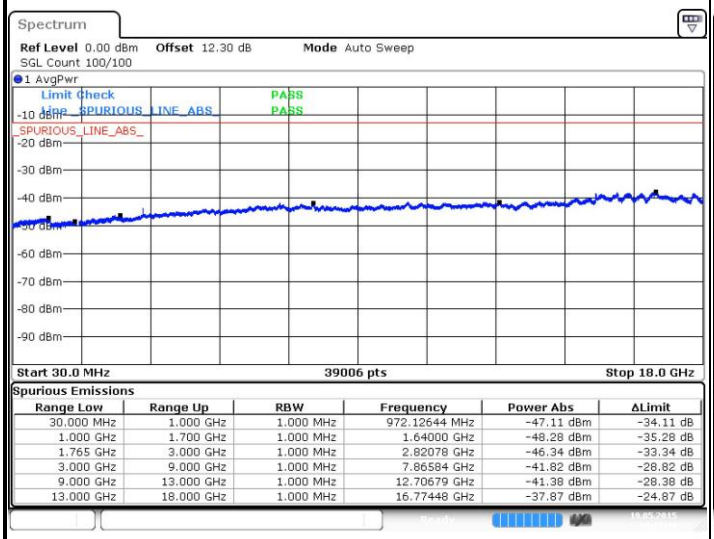
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.29685 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-48.06 dBm	-35.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67098 GHz	-46.38 dBm	-33.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86034 GHz	-41.73 dBm	-28.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-41.41 dBm	-28.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79781 GHz	-37.81 dBm	-24.81 dB

Date: 19.MAY.2015 14:37:09

LTE Band 4 / 10MHz

Lowest Channel / QPSK

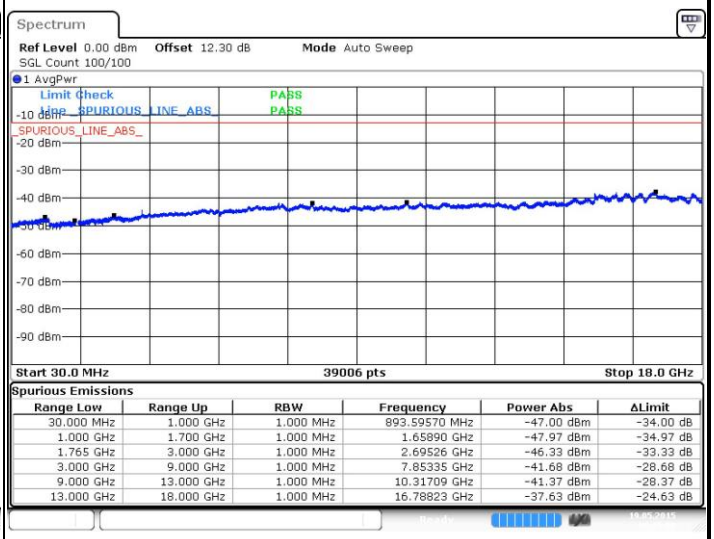


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-47.11 dBm	-34.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64000 GHz	-48.28 dBm	-35.28 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82078 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86584 GHz	-41.82 dBm	-28.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70679 GHz	-41.38 dBm	-28.38 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77448 GHz	-37.87 dBm	-24.87 dB

Date: 19.MAY.2015 14:43:49

Lowest Channel / 16QAM



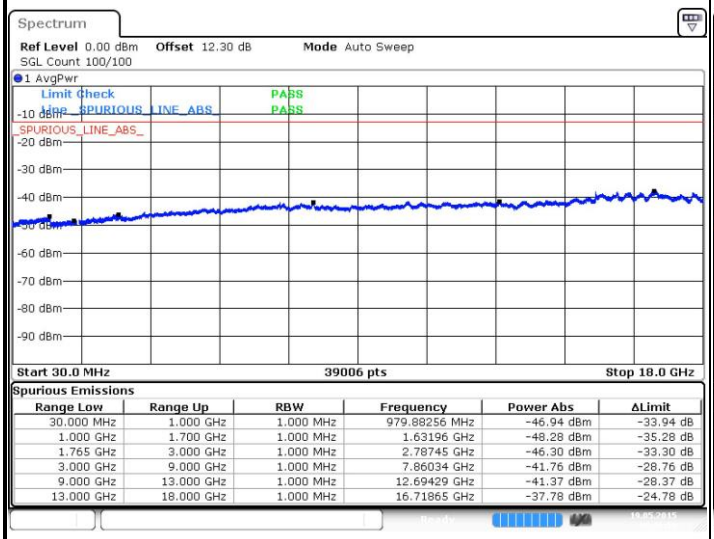
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.59570 MHz	-47.00 dBm	-34.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65890 GHz	-47.97 dBm	-34.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69526 GHz	-46.33 dBm	-33.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85335 GHz	-41.68 dBm	-28.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31709 GHz	-41.37 dBm	-28.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78823 GHz	-37.63 dBm	-24.63 dB

Date: 19.MAY.2015 14:44:59

LTE Band 4 / 10MHz

Middle Channel / QPSK

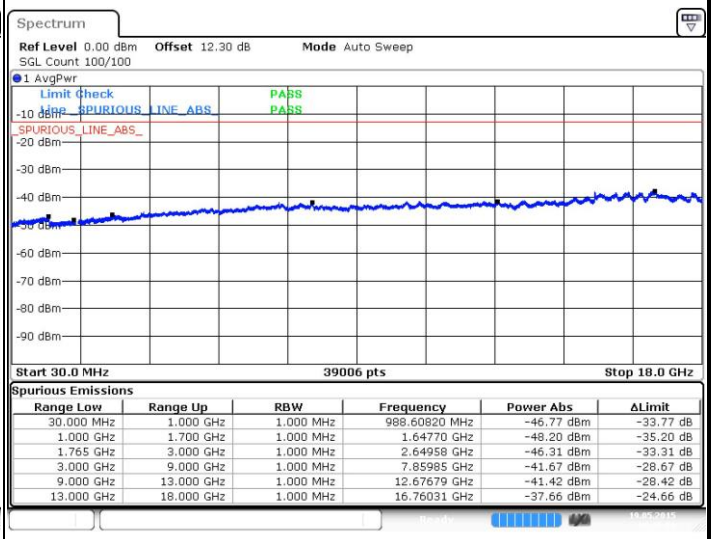


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-46.94 dBm	-33.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63196 GHz	-48.28 dBm	-35.28 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.78745 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86034 GHz	-41.76 dBm	-28.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69429 GHz	-41.37 dBm	-28.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.71865 GHz	-37.78 dBm	-24.78 dB

Date: 19.MAY.2015 14:46:56

Middle Channel / 16QAM

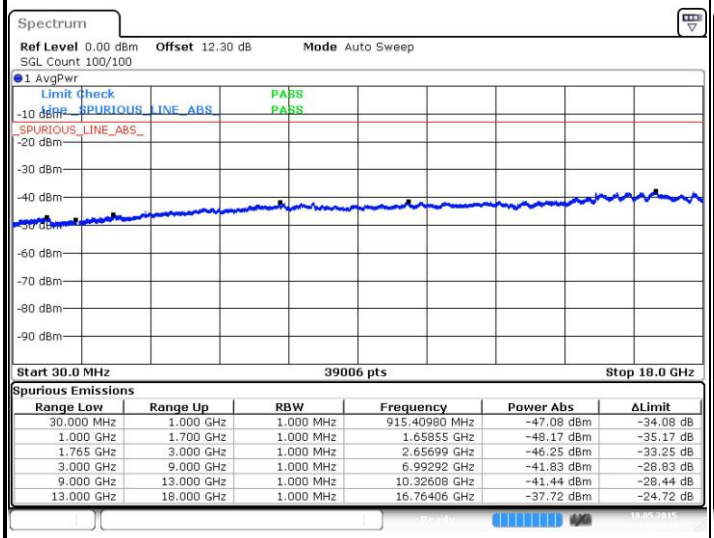


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-46.77 dBm	-33.77 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64770 GHz	-48.20 dBm	-35.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64958 GHz	-46.31 dBm	-33.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85985 GHz	-41.67 dBm	-28.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67679 GHz	-41.42 dBm	-28.42 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76031 GHz	-37.66 dBm	-24.66 dB

Date: 19.MAY.2015 14:48:06

Highest Channel / QPSK

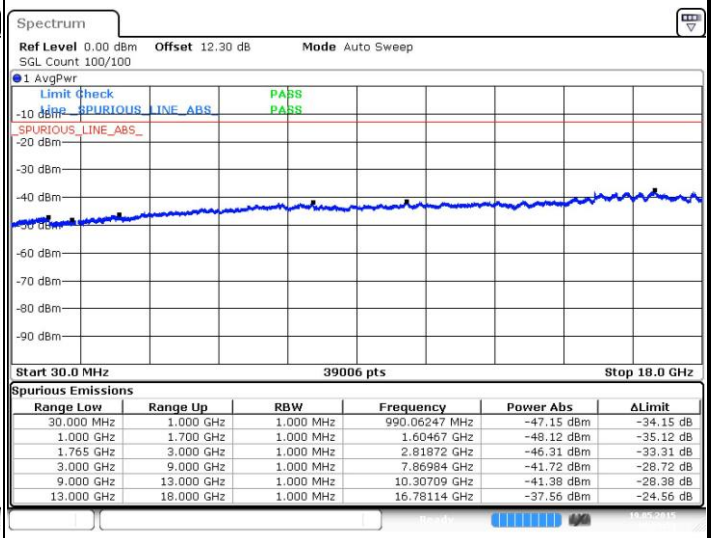


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65855 GHz	-48.17 dBm	-35.17 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65699 GHz	-46.25 dBm	-33.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99292 GHz	-41.83 dBm	-28.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32608 GHz	-41.44 dBm	-28.44 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76406 GHz	-37.72 dBm	-24.72 dB

Date: 19.MAY.2015 14:54:43

Highest Channel / 16QAM



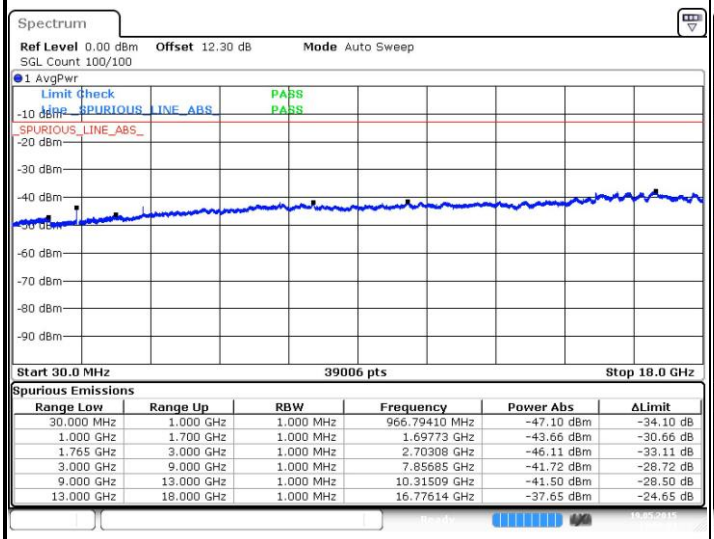
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-47.15 dBm	-34.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60467 GHz	-48.12 dBm	-35.12 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81872 GHz	-46.31 dBm	-33.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86984 GHz	-41.72 dBm	-28.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30709 GHz	-41.38 dBm	-28.38 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78114 GHz	-37.56 dBm	-24.56 dB

Date: 19.MAY.2015 14:55:53

LTE Band 4 / 15MHz

Lowest Channel / QPSK

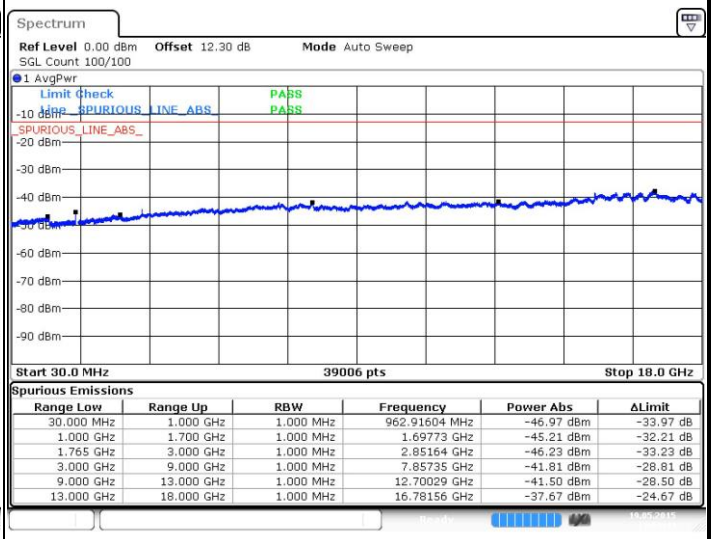


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-47.10 dBm	-34.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-43.66 dBm	-30.66 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.70308 GHz	-46.11 dBm	-33.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85685 GHz	-41.72 dBm	-28.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31509 GHz	-41.50 dBm	-28.50 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77614 GHz	-37.65 dBm	-24.65 dB

Date: 19.MAY.2015 15:02:33

Lowest Channel / 16QAM

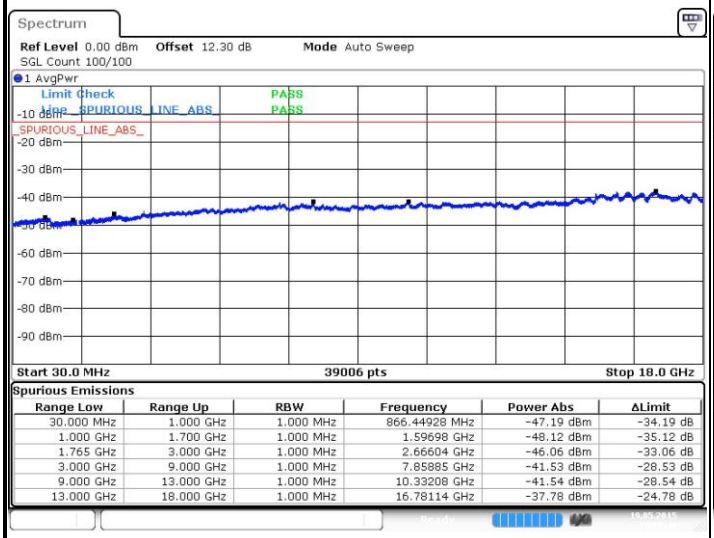


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-46.97 dBm	-33.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-45.21 dBm	-32.21 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85164 GHz	-46.23 dBm	-33.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85735 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70029 GHz	-41.50 dBm	-28.50 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78156 GHz	-37.67 dBm	-24.67 dB

Date: 19.MAY.2015 15:03:43

Middle Channel / QPSK

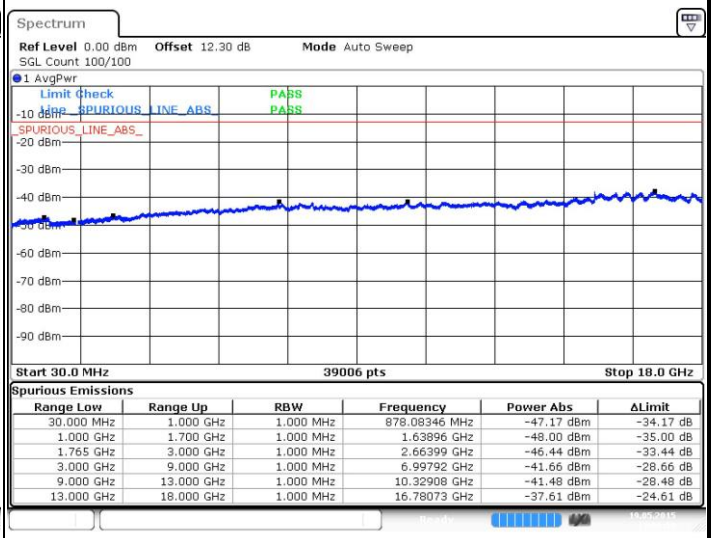


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	866.44928 MHz	-47.19 dBm	-34.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59698 GHz	-48.12 dBm	-35.12 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66604 GHz	-46.06 dBm	-33.06 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.85885 GHz	-41.53 dBm	-28.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33208 GHz	-41.54 dBm	-28.54 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78114 GHz	-37.78 dBm	-24.78 dB

Date: 19.MAY.2015 15:05:40

Middle Channel / 16QAM



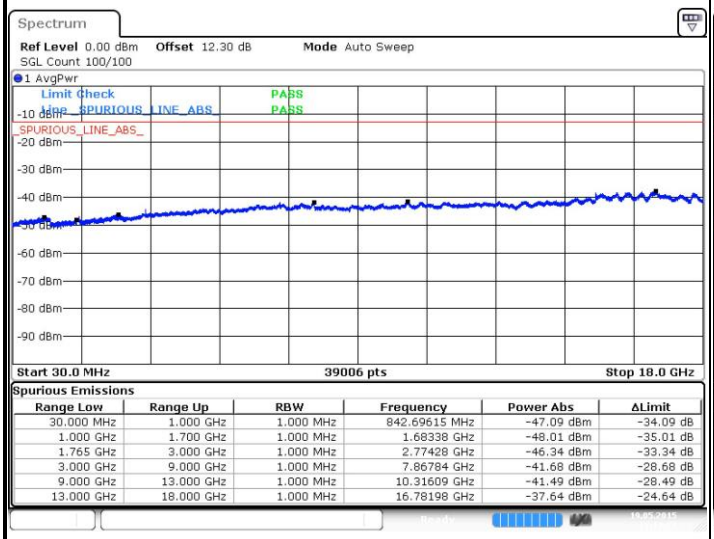
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.08346 MHz	-47.17 dBm	-34.17 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63896 GHz	-48.00 dBm	-35.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66399 GHz	-46.44 dBm	-33.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32908 GHz	-41.48 dBm	-28.48 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78073 GHz	-37.61 dBm	-24.61 dB

Date: 19.MAY.2015 15:06:50

LTE Band 4 / 15MHz

Highest Channel / QPSK

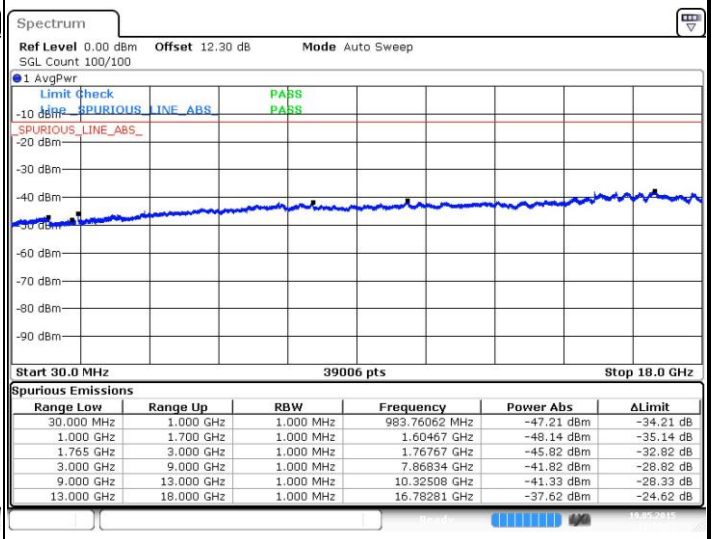


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	842.69615 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68338 GHz	-48.01 dBm	-35.01 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.77428 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86784 GHz	-41.68 dBm	-28.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31609 GHz	-41.49 dBm	-28.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78198 GHz	-37.64 dBm	-24.64 dB

Date: 19.MAY.2015 15:13:27

Highest Channel / 16QAM



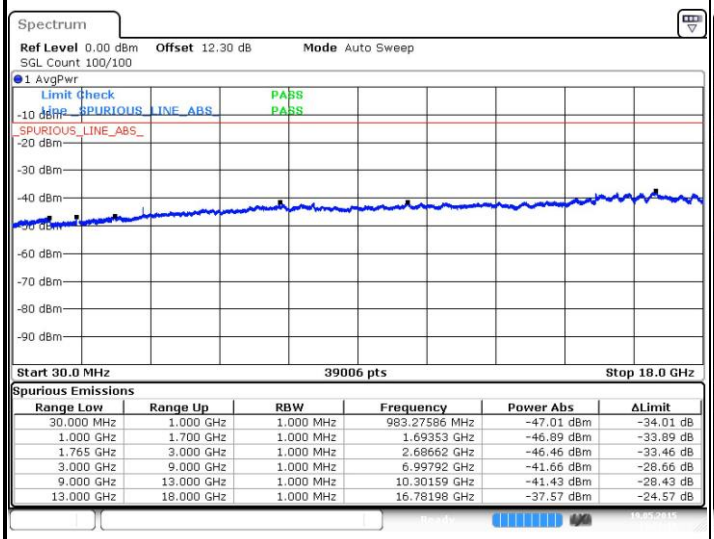
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-47.21 dBm	-34.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60467 GHz	-48.14 dBm	-35.14 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-45.82 dBm	-32.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86834 GHz	-41.82 dBm	-28.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32508 GHz	-41.33 dBm	-28.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78281 GHz	-37.62 dBm	-24.62 dB

Date: 19.MAY.2015 15:14:37

LTE Band 4 / 20MHz

Lowest Channel / QPSK

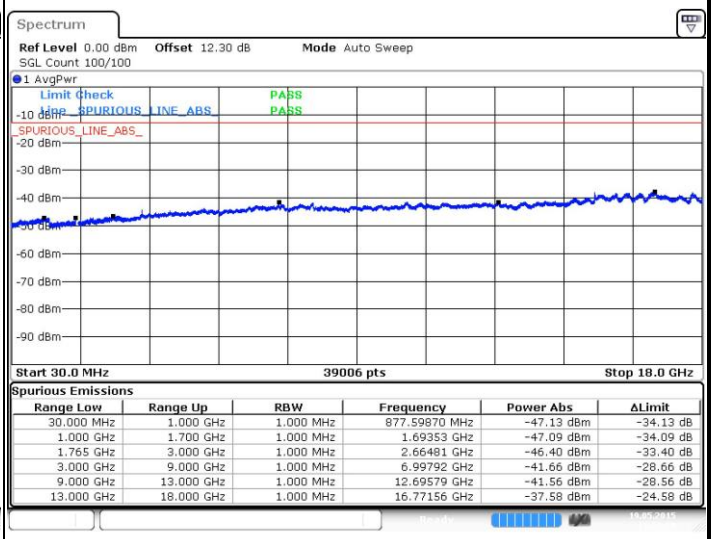


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-46.89 dBm	-33.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68662 GHz	-46.46 dBm	-33.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30159 GHz	-41.43 dBm	-28.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78198 GHz	-37.57 dBm	-24.57 dB

Date: 19.MAY.2015 15:21:17

Lowest Channel / 16QAM



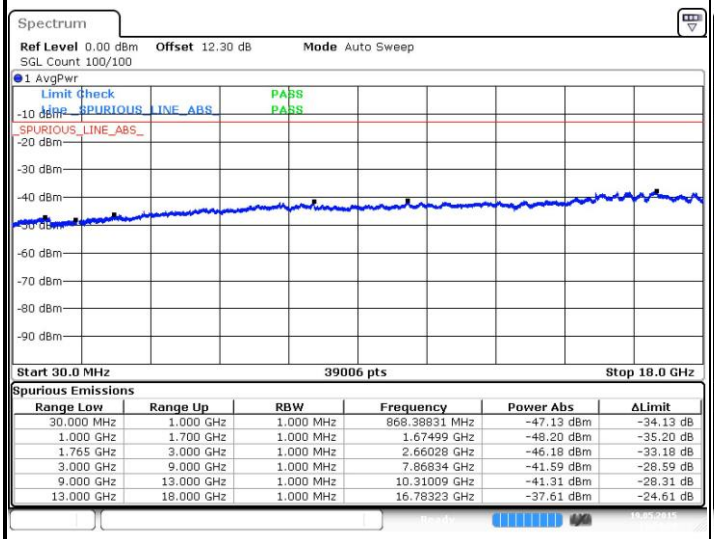
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-47.13 dBm	-34.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-47.09 dBm	-34.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66481 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99792 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69579 GHz	-41.56 dBm	-28.56 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77156 GHz	-37.58 dBm	-24.58 dB

Date: 19.MAY.2015 15:22:27

LTE Band 4 / 20MHz

Middle Channel / QPSK

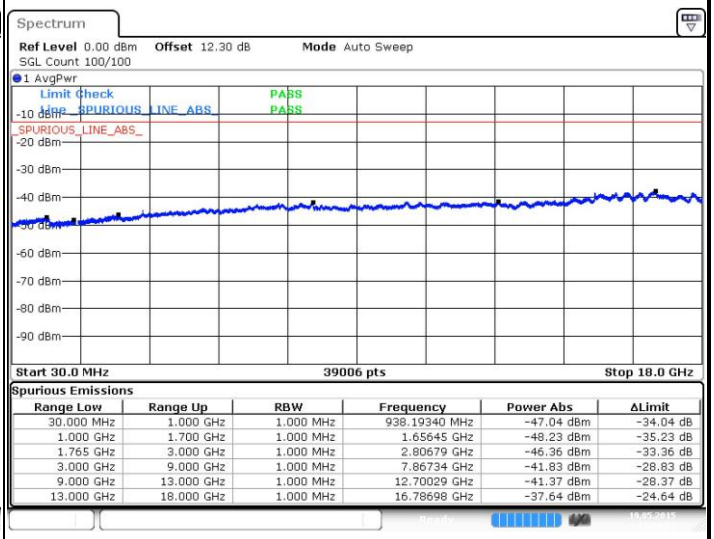


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.38831 MHz	-47.13 dBm	-34.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67499 GHz	-48.20 dBm	-35.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66028 GHz	-46.18 dBm	-33.18 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86834 GHz	-41.59 dBm	-28.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31009 GHz	-41.31 dBm	-28.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78323 GHz	-37.61 dBm	-24.61 dB

Date: 19.MAY.2015 15:24:24

Middle Channel / 16QAM

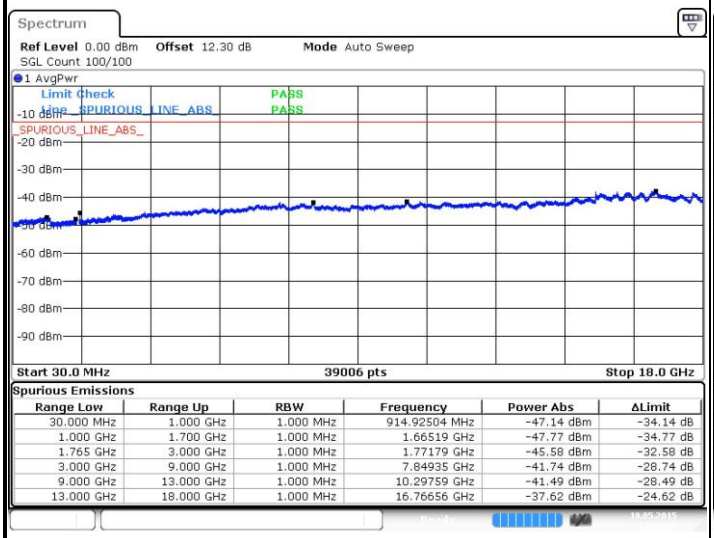


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65645 GHz	-48.23 dBm	-35.23 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.80679 GHz	-46.36 dBm	-33.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86734 GHz	-41.83 dBm	-28.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70029 GHz	-41.37 dBm	-28.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78698 GHz	-37.64 dBm	-24.64 dB

Date: 19.MAY.2015 15:25:35

Highest Channel / QPSK

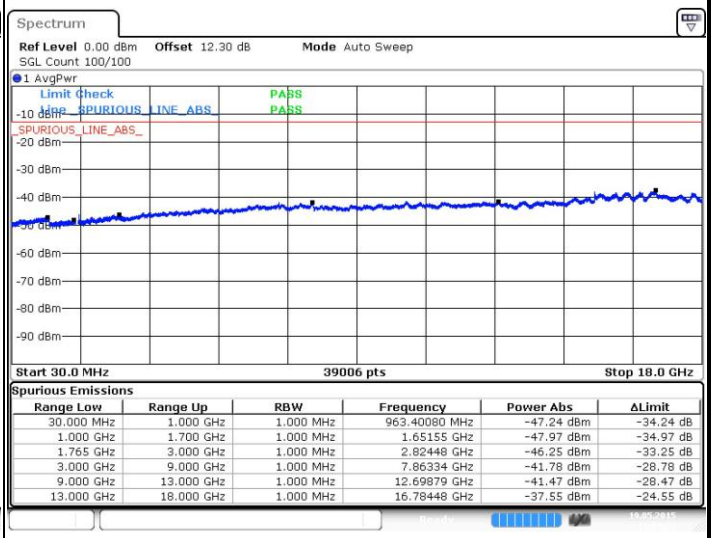


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-47.14 dBm	-34.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66519 GHz	-47.77 dBm	-34.77 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-45.58 dBm	-32.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.84935 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29759 GHz	-41.49 dBm	-28.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76656 GHz	-37.62 dBm	-24.62 dB

Date: 19.MAY.2015 15:32:11

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-47.24 dBm	-34.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65155 GHz	-47.97 dBm	-34.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82448 GHz	-46.25 dBm	-33.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.86334 GHz	-41.78 dBm	-28.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69879 GHz	-41.47 dBm	-28.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78448 GHz	-37.55 dBm	-24.55 dB

Date: 19.MAY.2015 15:33:21

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	0.0005	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage = 3.9V. ；Battery End Point (BEP) = 3.5 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

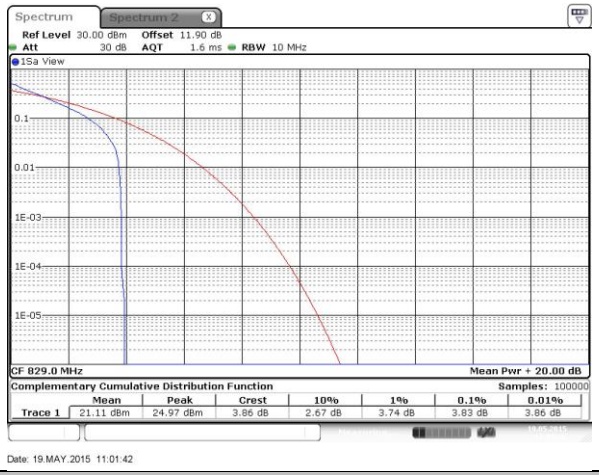
LTE Band 5

Peak-to-Average Ratio

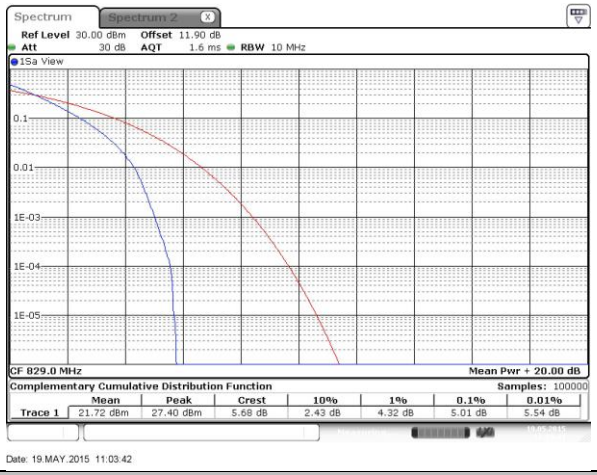
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.83	5.01	4.43	5.97	PASS
Middle CH	4.38	5.04	5.42	6.06	
Highest CH	4.09	4.93	4.81	5.94	

LTE Band 5 / 10MHz / QPSK

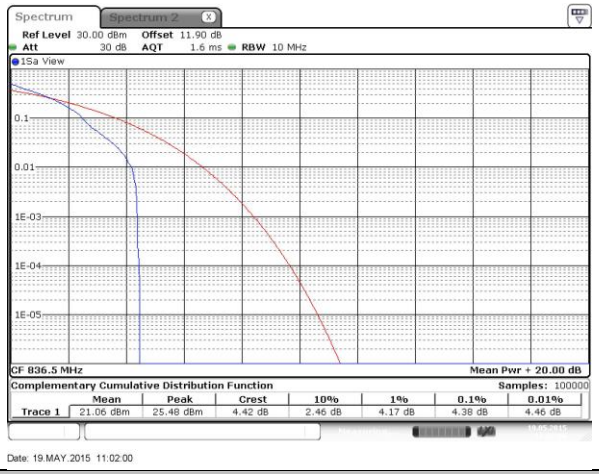
Lowest Channel / 1RB



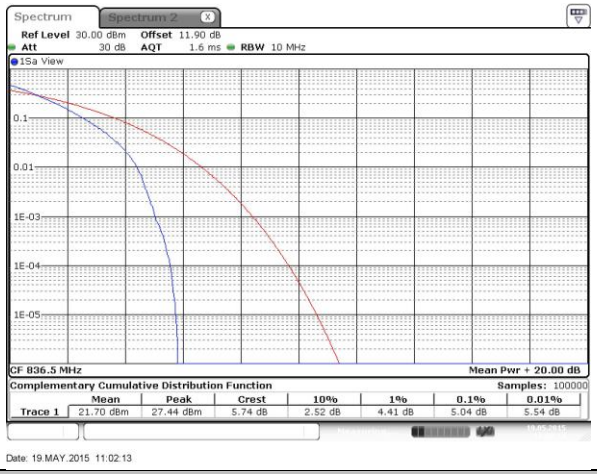
Lowest Channel / Full RB



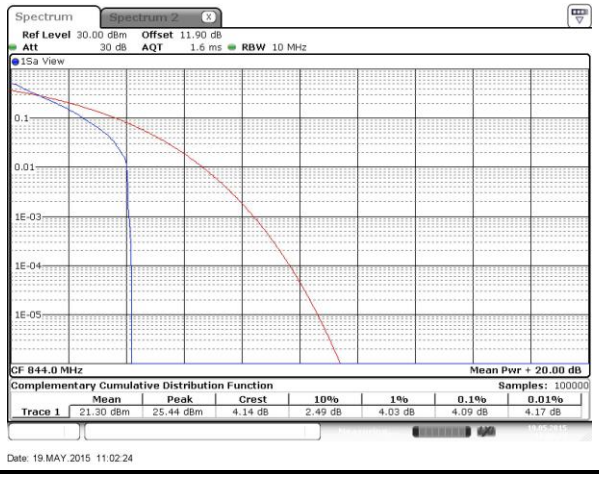
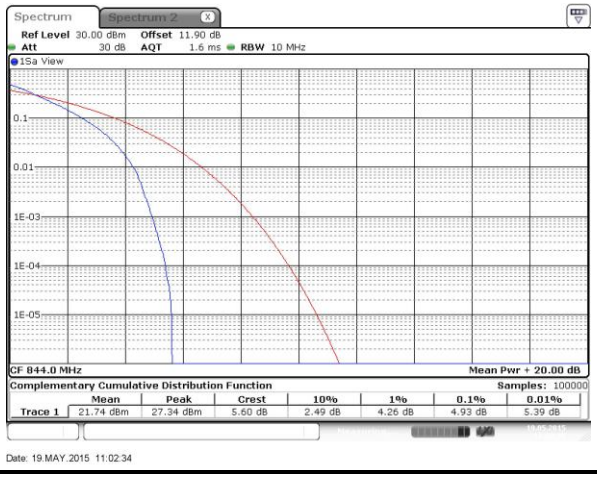
Middle Channel / 1RB



Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB