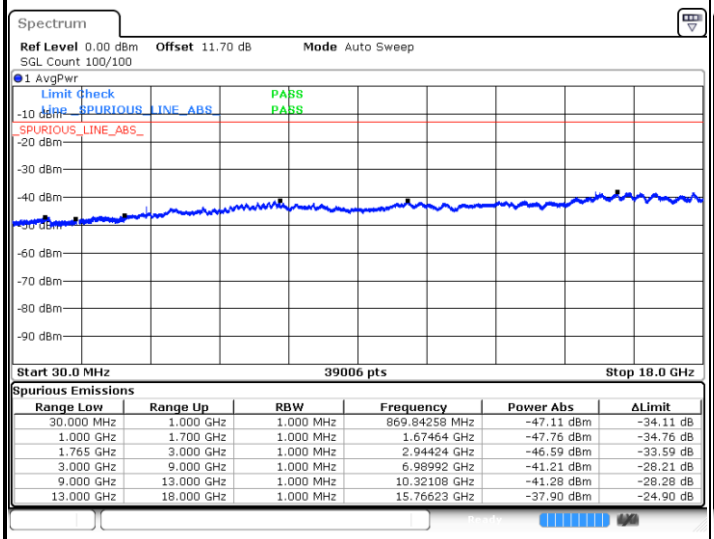
LTE Band 4 / 1.4MHz

Highest Channel / QPSK

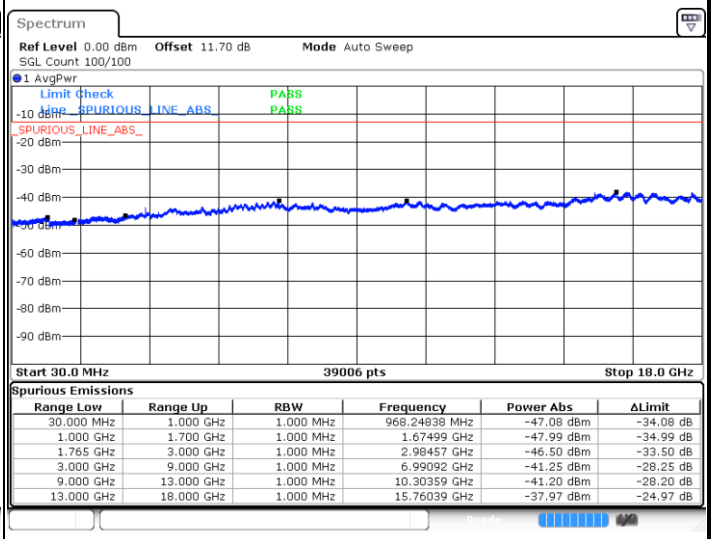


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.84258 MHz	-47.11 dBm	-34.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67464 GHz	-47.76 dBm	-34.76 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.94424 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-41.21 dBm	-28.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32108 GHz	-41.28 dBm	-28.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76623 GHz	-37.90 dBm	-24.90 dB

Date: 1.SEP.2017 16:24:24

Highest Channel / 16QAM



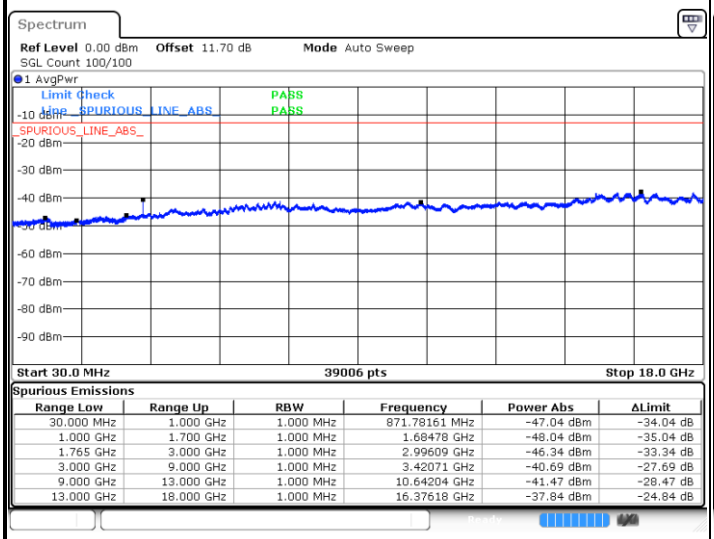
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.24838 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67499 GHz	-47.99 dBm	-34.99 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98457 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-41.25 dBm	-28.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30359 GHz	-41.20 dBm	-28.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76039 GHz	-37.97 dBm	-24.97 dB

Date: 1.SEP.2017 16:25:18

LTE Band 4 / 3MHz

Lowest Channel / QPSK

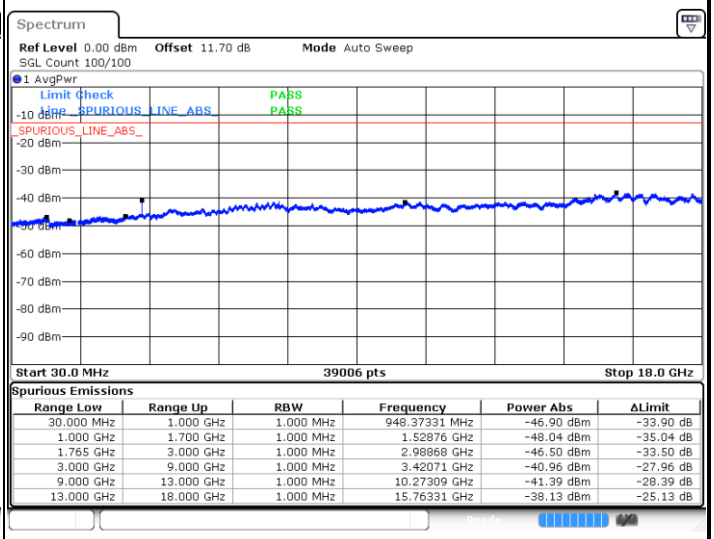


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68478 GHz	-48.04 dBm	-35.04 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99609 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42071 GHz	-40.69 dBm	-27.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64204 GHz	-41.47 dBm	-28.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37618 GHz	-37.84 dBm	-24.84 dB

Date: 1.SEP.2017 14:52:05

Lowest Channel / 16QAM



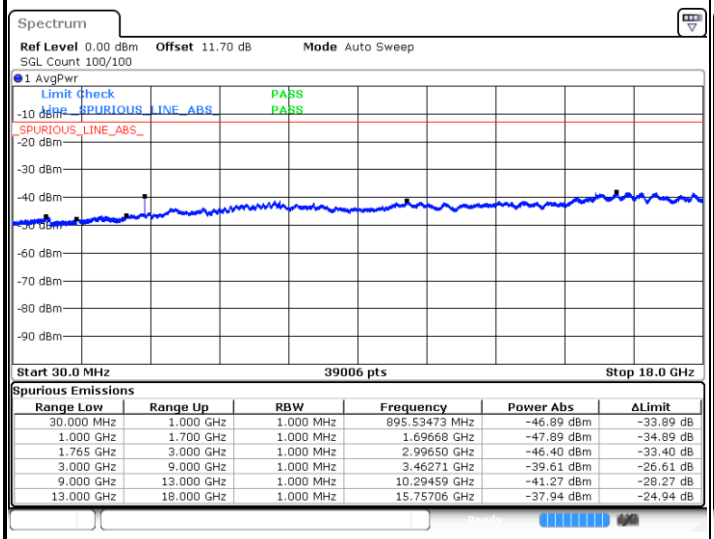
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.37331 MHz	-46.90 dBm	-33.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.52876 GHz	-48.04 dBm	-35.04 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98868 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42071 GHz	-40.96 dBm	-27.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.27309 GHz	-41.39 dBm	-28.39 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76331 GHz	-38.13 dBm	-25.13 dB

Date: 1.SEP.2017 14:52:59

LTE Band 4 / 3MHz

Middle Channel / QPSK

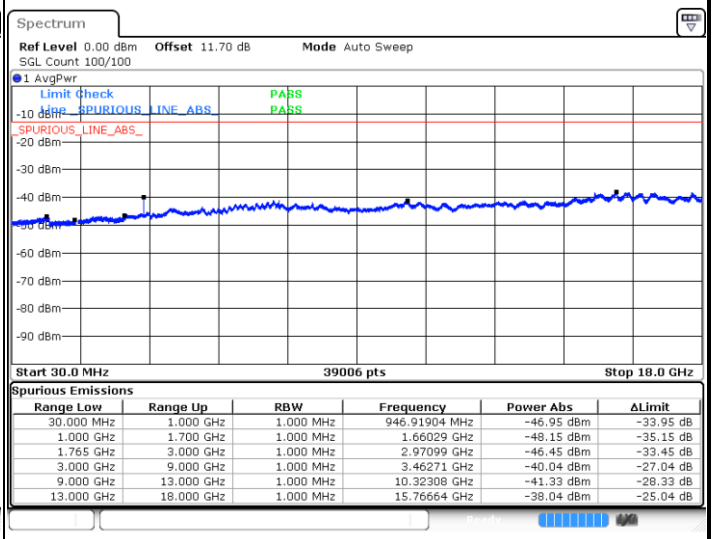


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.53473 MHz	-46.89 dBm	-33.89 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69668 GHz	-47.89 dBm	-34.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-39.61 dBm	-26.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29459 GHz	-41.27 dBm	-28.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75706 GHz	-37.94 dBm	-24.94 dB

Date: 1.SEP.2017 14:54:33

Middle Channel / 16QAM

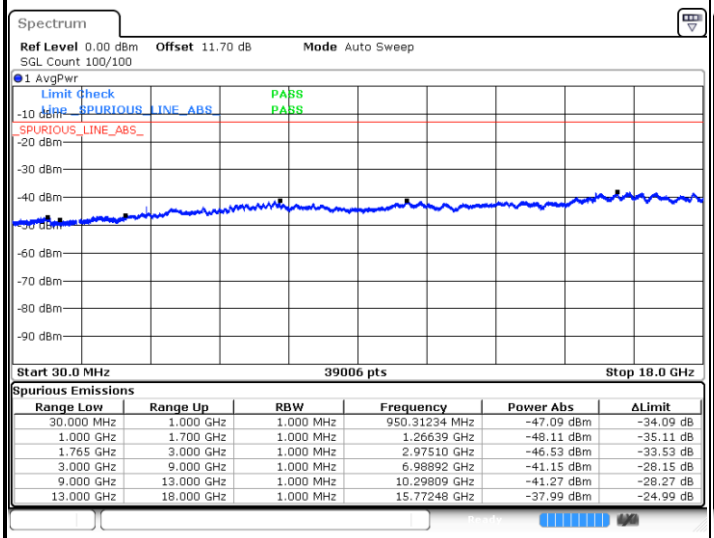


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-46.95 dBm	-33.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66029 GHz	-48.15 dBm	-35.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97099 GHz	-46.45 dBm	-33.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-40.04 dBm	-27.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32308 GHz	-41.33 dBm	-28.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76664 GHz	-38.04 dBm	-25.04 dB

Date: 1.SEP.2017 14:55:27

Highest Channel / QPSK

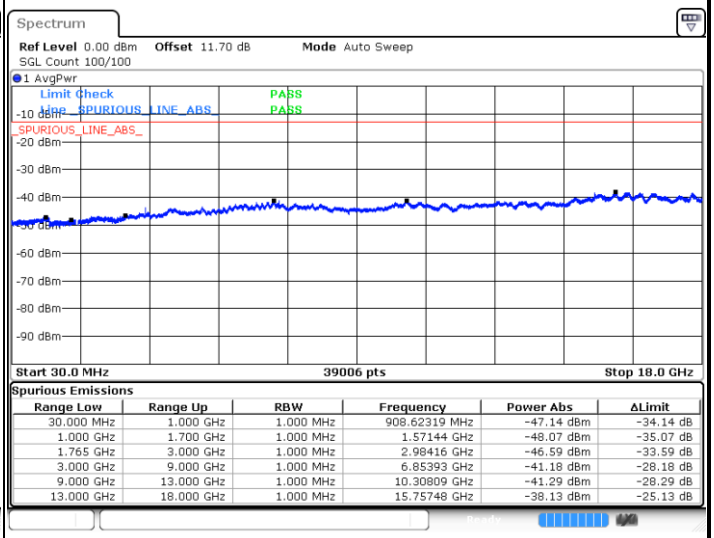


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	950.31234 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.26639 GHz	-48.11 dBm	-35.11 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97510 GHz	-46.53 dBm	-33.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98892 GHz	-41.15 dBm	-28.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29809 GHz	-41.27 dBm	-28.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77248 GHz	-37.99 dBm	-24.99 dB

Date: 1.SEP.2017 15:01:36

Highest Channel / 16QAM



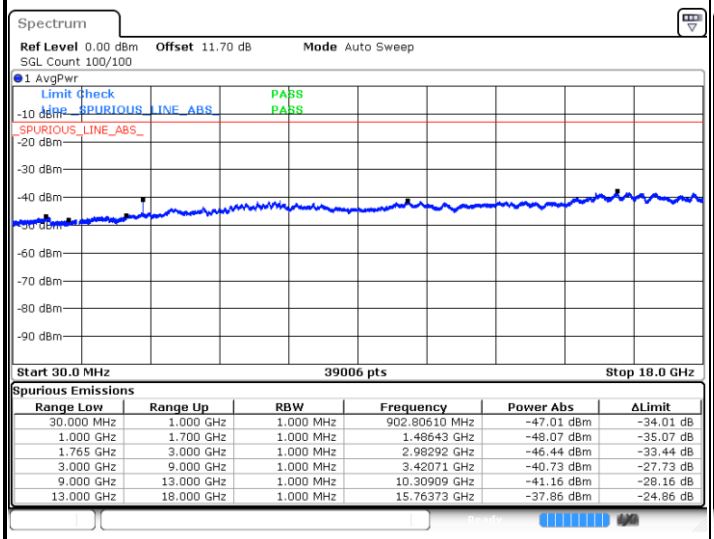
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-47.14 dBm	-34.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.57144 GHz	-48.07 dBm	-35.07 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98416 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85393 GHz	-41.18 dBm	-28.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30809 GHz	-41.29 dBm	-28.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75748 GHz	-38.13 dBm	-25.13 dB

Date: 1.SEP.2017 15:02:30

LTE Band 4 / 5MHz

Lowest Channel / QPSK

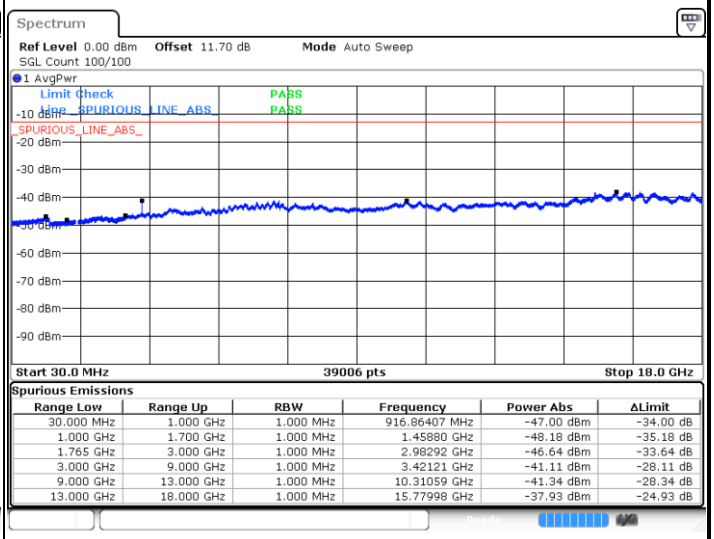


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.80610 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.48643 GHz	-48.07 dBm	-35.07 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98292 GHz	-46.44 dBm	-33.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42071 GHz	-40.73 dBm	-27.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30909 GHz	-41.16 dBm	-28.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76373 GHz	-37.86 dBm	-24.86 dB

Date: 1.SEP.2017 15:08:38

Lowest Channel / 16QAM

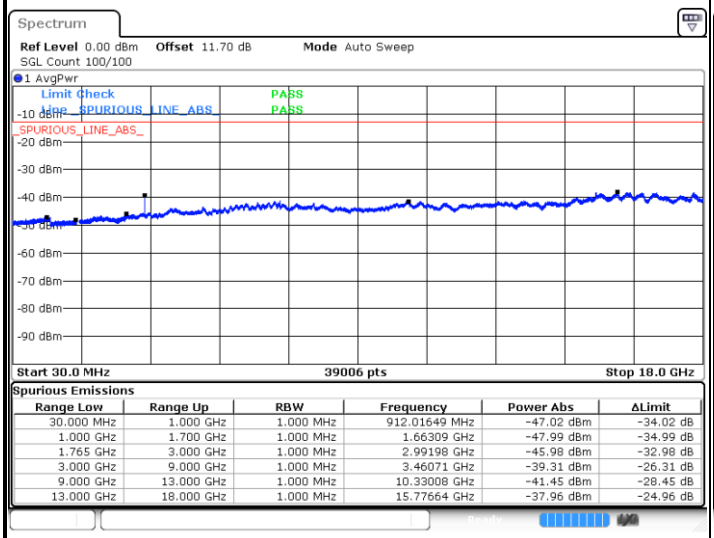


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.86407 MHz	-47.00 dBm	-34.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.45880 GHz	-48.18 dBm	-35.18 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98292 GHz	-46.64 dBm	-33.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42121 GHz	-41.11 dBm	-28.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31059 GHz	-41.34 dBm	-28.34 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77998 GHz	-37.93 dBm	-24.93 dB

Date: 1.SEP.2017 15:09:32

Middle Channel / QPSK

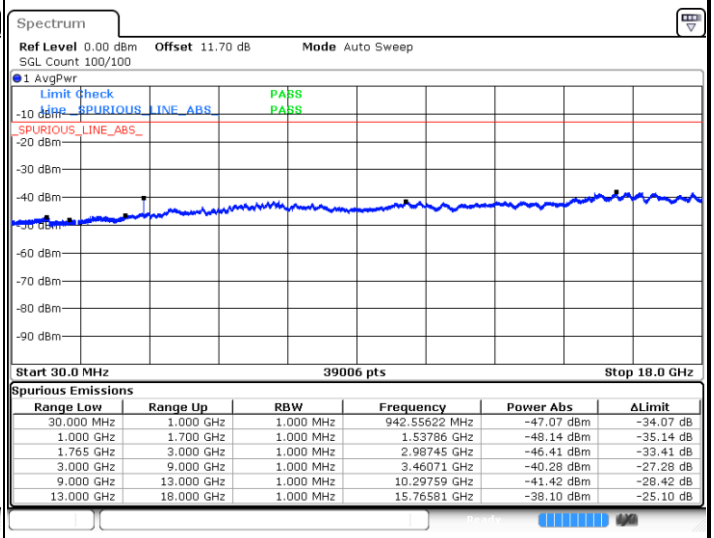


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.01649 MHz	-47.02 dBm	-34.02 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66309 GHz	-47.99 dBm	-34.99 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99198 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46071 GHz	-39.31 dBm	-26.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33008 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77664 GHz	-37.96 dBm	-24.96 dB

Date: 1.SEP.2017 15:11:07

Middle Channel / 16QAM



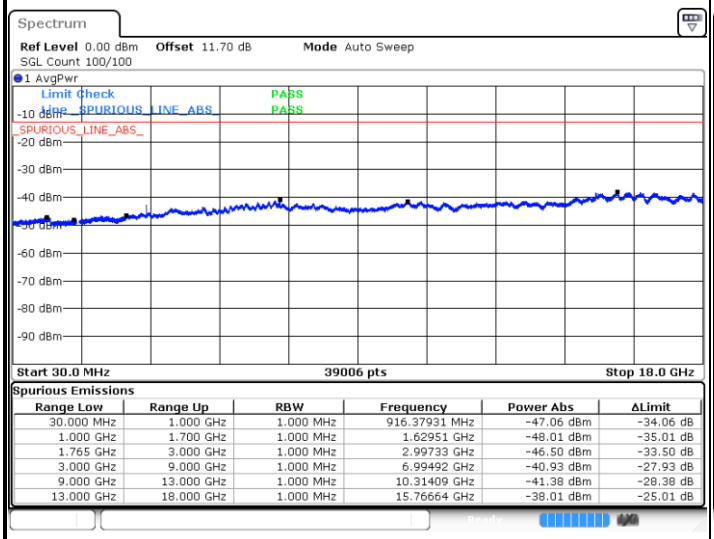
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-47.07 dBm	-34.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.53786 GHz	-48.14 dBm	-35.14 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98745 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46071 GHz	-40.28 dBm	-27.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29759 GHz	-41.42 dBm	-28.42 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76581 GHz	-38.10 dBm	-25.10 dB

Date: 1.SEP.2017 15:12:00

LTE Band 4 / 5MHz

Highest Channel / QPSK

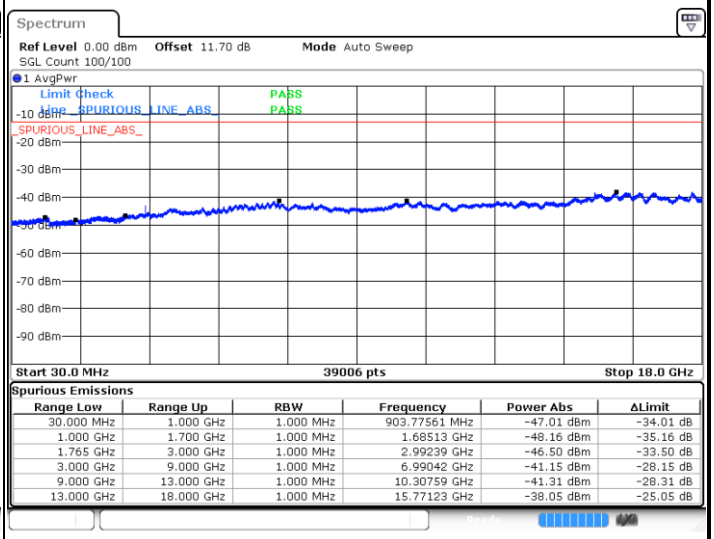


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-47.06 dBm	-34.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62951 GHz	-48.01 dBm	-35.01 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99733 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-40.93 dBm	-27.93 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31409 GHz	-41.38 dBm	-28.38 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76664 GHz	-38.01 dBm	-25.01 dB

Date: 1.SEP.2017 15:18:09

Highest Channel / 16QAM



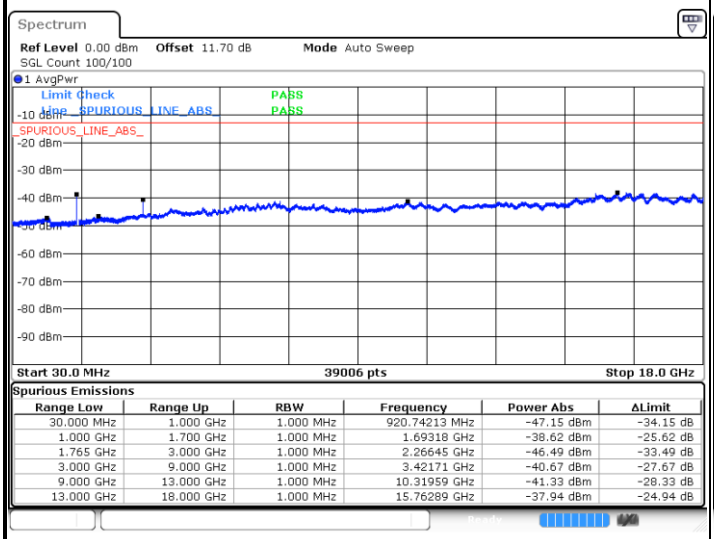
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68513 GHz	-48.16 dBm	-35.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99239 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.15 dBm	-28.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30759 GHz	-41.31 dBm	-28.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77123 GHz	-38.05 dBm	-25.05 dB

Date: 1.SEP.2017 15:19:03

LTE Band 4 / 10MHz

Lowest Channel / QPSK

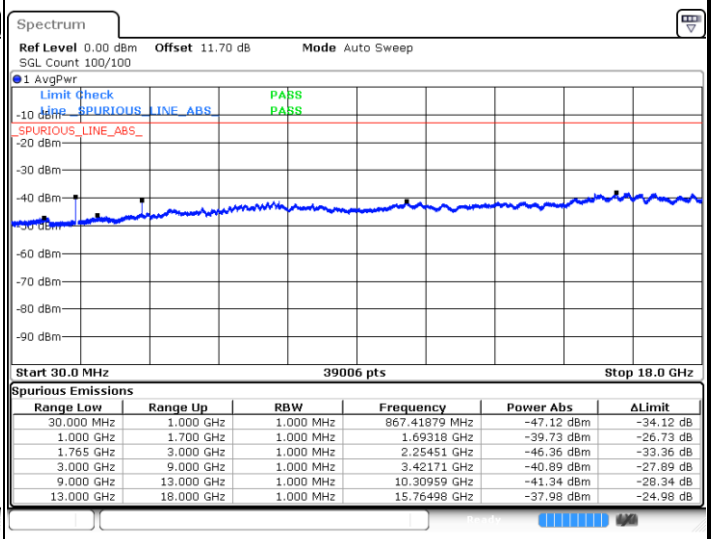


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-47.15 dBm	-34.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-38.62 dBm	-25.62 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.26645 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42171 GHz	-40.67 dBm	-27.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31959 GHz	-41.33 dBm	-28.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76289 GHz	-37.94 dBm	-24.94 dB

Date: 1.SEP.2017 15:25:12

Lowest Channel / 16QAM



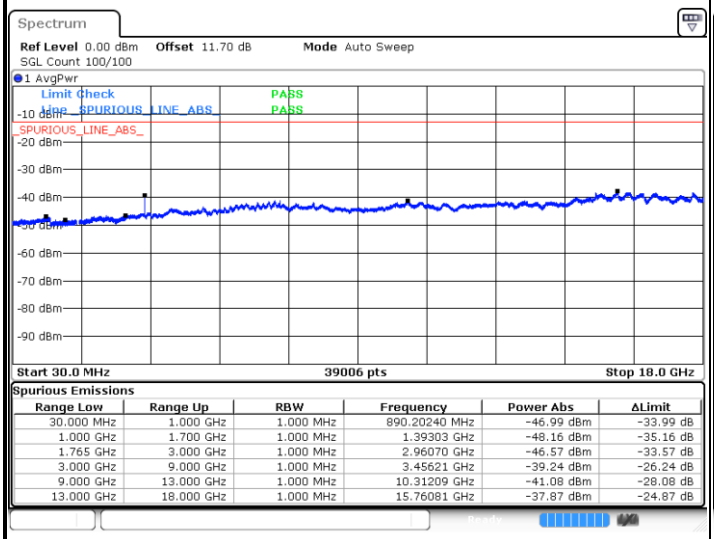
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	867.41879 MHz	-47.12 dBm	-34.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-39.73 dBm	-26.73 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.25451 GHz	-46.36 dBm	-33.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42171 GHz	-40.89 dBm	-27.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30959 GHz	-41.34 dBm	-28.34 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76498 GHz	-37.98 dBm	-24.98 dB

Date: 1.SEP.2017 15:26:06

LTE Band 4 / 10MHz

Middle Channel / QPSK

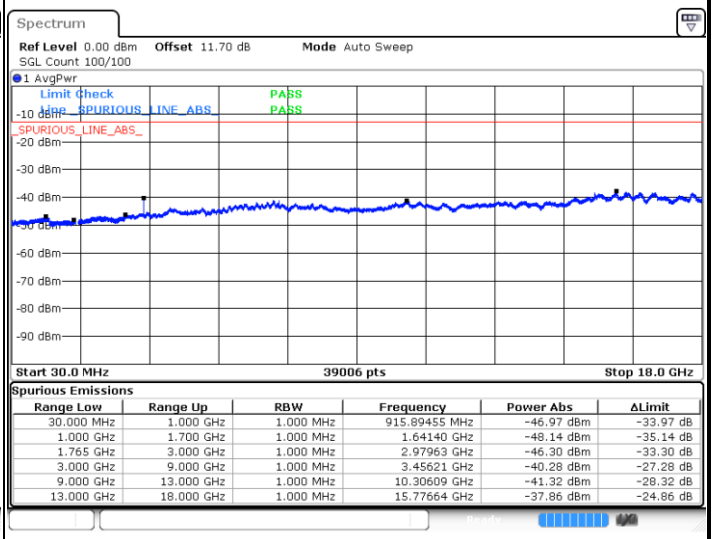


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-46.99 dBm	-33.99 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.39303 GHz	-48.16 dBm	-35.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96070 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-39.24 dBm	-26.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31209 GHz	-41.08 dBm	-28.08 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76081 GHz	-37.87 dBm	-24.87 dB

Date: 1.SEP.2017 15:27:40

Middle Channel / 16QAM

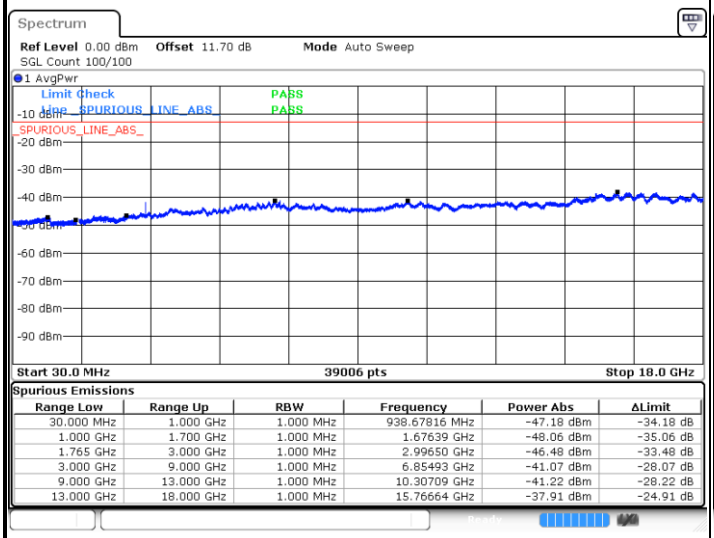


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-46.97 dBm	-33.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64140 GHz	-48.14 dBm	-35.14 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97963 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-40.28 dBm	-27.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30609 GHz	-41.32 dBm	-28.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77664 GHz	-37.86 dBm	-24.86 dB

Date: 1.SEP.2017 15:28:34

Highest Channel / QPSK

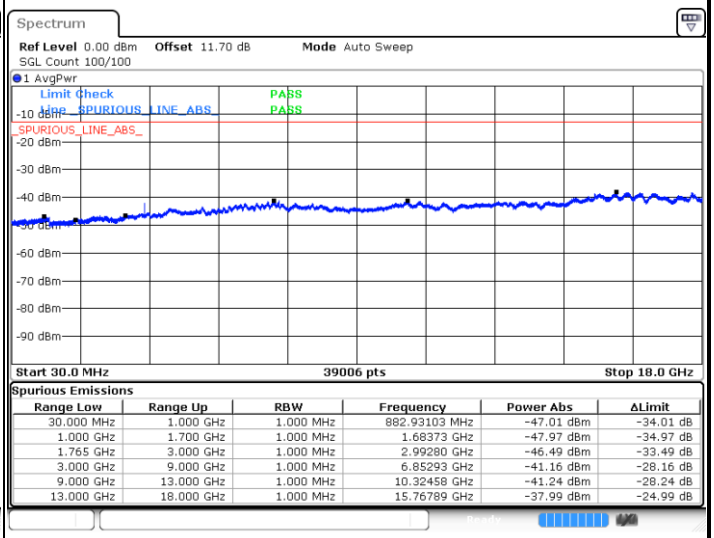


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-47.18 dBm	-34.18 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67639 GHz	-48.06 dBm	-35.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-46.48 dBm	-33.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85493 GHz	-41.07 dBm	-28.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30709 GHz	-41.22 dBm	-28.22 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76664 GHz	-37.91 dBm	-24.91 dB

Date: 1.SEP.2017 15:34:43

Highest Channel / 16QAM



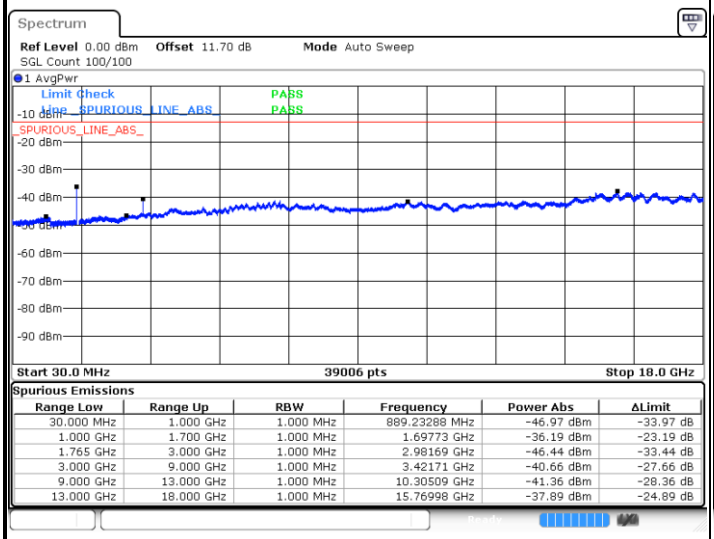
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.93103 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68373 GHz	-47.97 dBm	-34.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99280 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85293 GHz	-41.16 dBm	-28.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32458 GHz	-41.24 dBm	-28.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76789 GHz	-37.99 dBm	-24.99 dB

Date: 1.SEP.2017 15:35:37

LTE Band 4 / 15MHz

Lowest Channel / QPSK

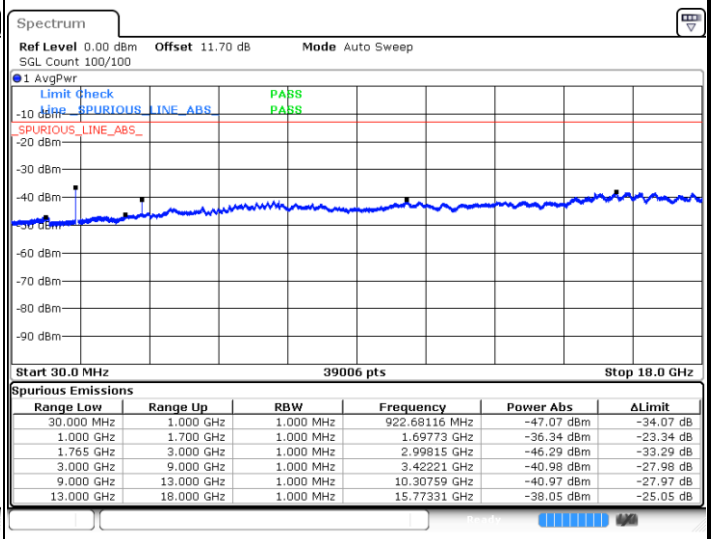


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-46.97 dBm	-33.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-36.19 dBm	-23.19 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98169 GHz	-46.44 dBm	-33.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42171 GHz	-40.66 dBm	-27.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30509 GHz	-41.36 dBm	-28.36 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76998 GHz	-37.89 dBm	-24.89 dB

Date: 1.SEP.2017 15:41:46

Lowest Channel / 16QAM

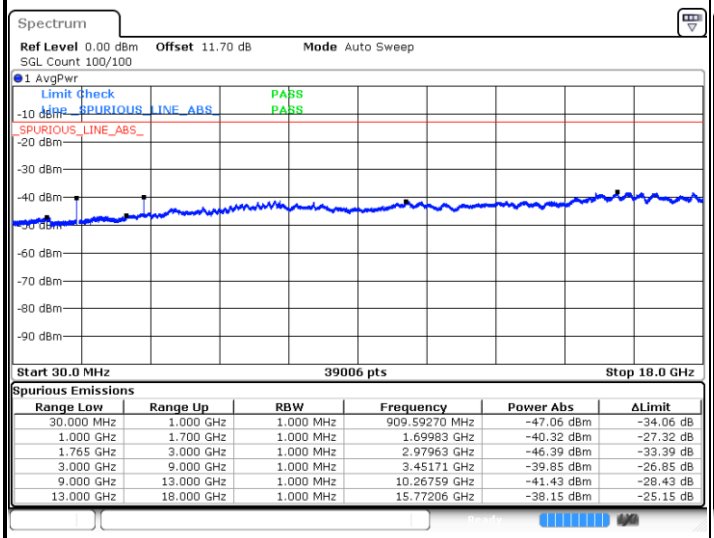


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-47.07 dBm	-34.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-36.34 dBm	-23.34 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99815 GHz	-46.29 dBm	-33.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42221 GHz	-40.98 dBm	-27.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30759 GHz	-40.97 dBm	-27.97 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77331 GHz	-38.05 dBm	-25.05 dB

Date: 1.SEP.2017 15:42:40

Middle Channel / QPSK

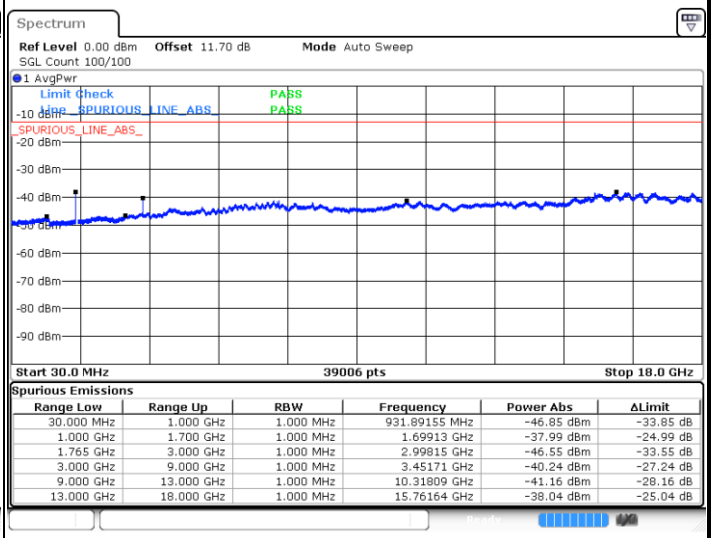


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-47.06 dBm	-34.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-40.32 dBm	-27.32 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97963 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-39.85 dBm	-26.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.26759 GHz	-41.43 dBm	-28.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77206 GHz	-38.15 dBm	-25.15 dB

Date: 1.SEP.2017 15:44:14

Middle Channel / 16QAM



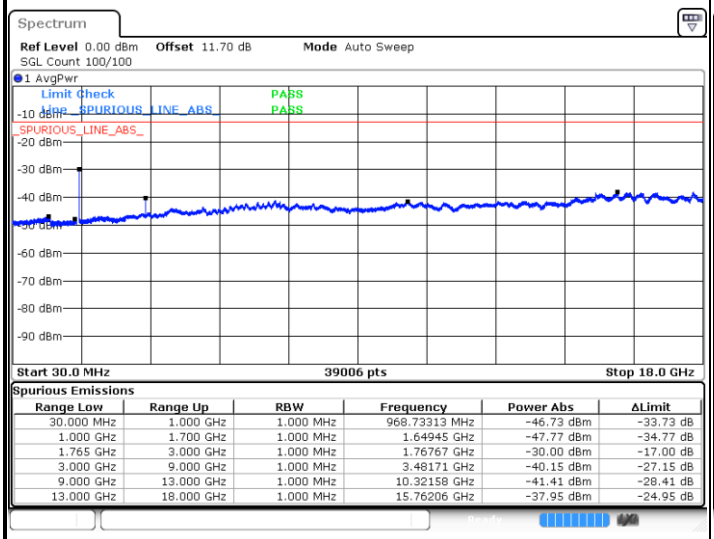
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.89155 MHz	-46.85 dBm	-33.85 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-37.99 dBm	-24.99 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99815 GHz	-46.55 dBm	-33.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-40.24 dBm	-27.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31809 GHz	-41.16 dBm	-28.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76164 GHz	-38.04 dBm	-25.04 dB

Date: 1.SEP.2017 15:45:08

LTE Band 4 / 15MHz

Highest Channel / QPSK

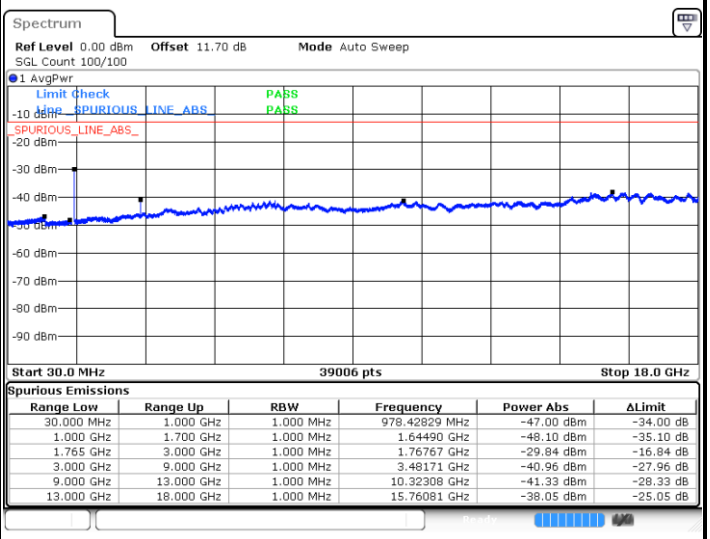


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.73313 MHz	-46.73 dBm	-33.73 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64945 GHz	-47.77 dBm	-34.77 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-30.00 dBm	-17.00 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-40.15 dBm	-27.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32158 GHz	-41.41 dBm	-28.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76206 GHz	-37.95 dBm	-24.95 dB

Date: 1.SEP.2017 15:51:16

Highest Channel / 16QAM



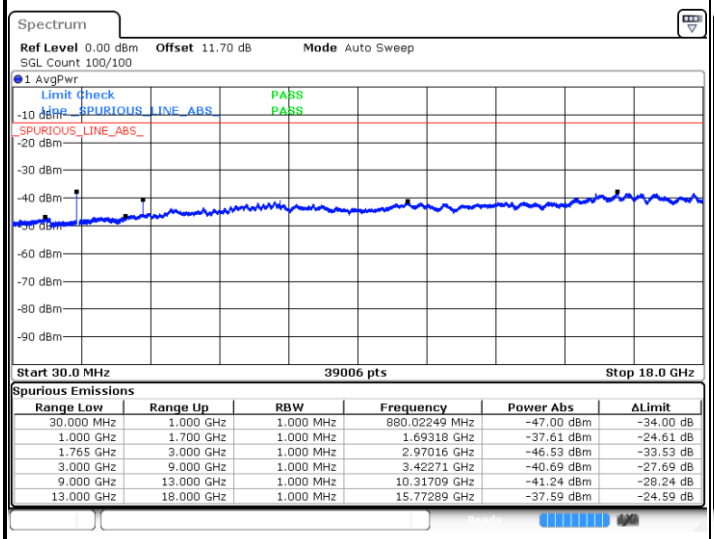
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.00 dBm	-34.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64490 GHz	-48.10 dBm	-35.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-29.84 dBm	-16.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-40.96 dBm	-27.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32308 GHz	-41.33 dBm	-28.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76081 GHz	-38.05 dBm	-25.05 dB

Date: 1.SEP.2017 15:52:10

LTE Band 4 / 20MHz

Lowest Channel / QPSK

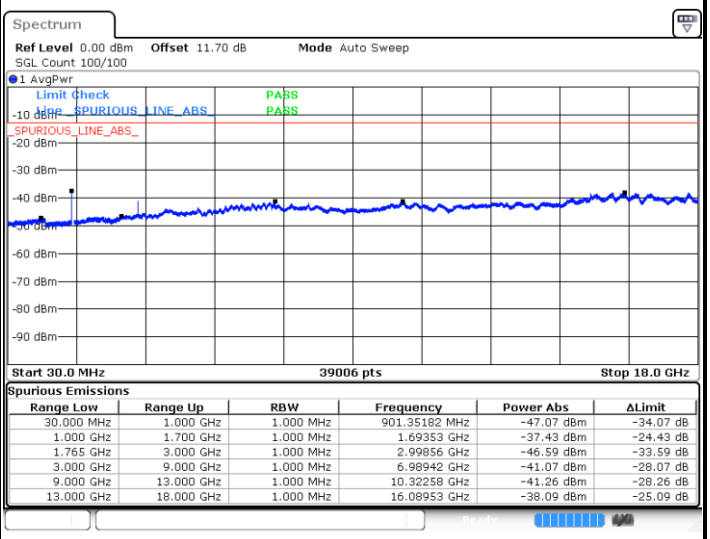


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-47.00 dBm	-34.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-37.61 dBm	-24.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97016 GHz	-46.53 dBm	-33.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.42271 GHz	-40.69 dBm	-27.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31709 GHz	-41.24 dBm	-28.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77289 GHz	-37.59 dBm	-24.59 dB

Date: 1.SEP.2017 15:58:19

Lowest Channel / 16QAM



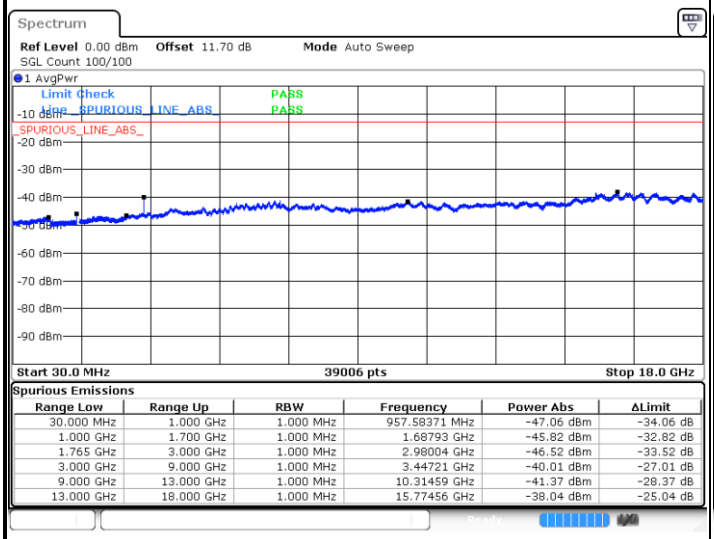
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-47.07 dBm	-34.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-37.43 dBm	-24.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99856 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-41.07 dBm	-28.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32258 GHz	-41.26 dBm	-28.26 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.08953 GHz	-38.09 dBm	-25.09 dB

Date: 1.SEP.2017 15:59:13

LTE Band 4 / 20MHz

Middle Channel / QPSK

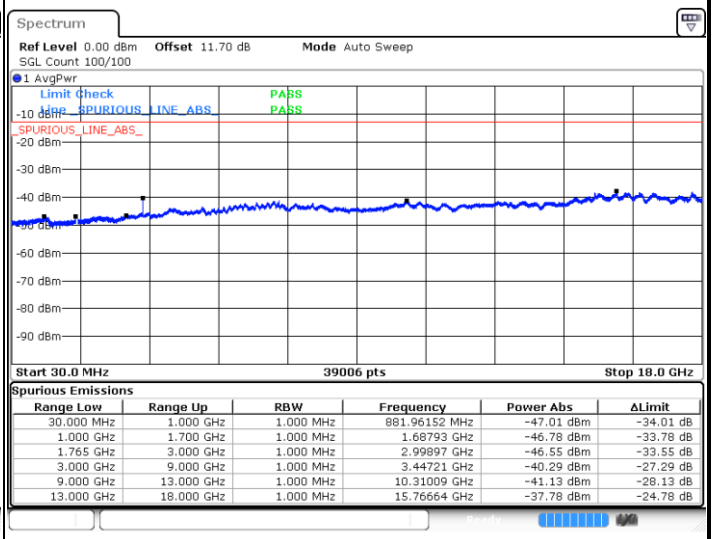


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.58371 MHz	-47.06 dBm	-34.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68793 GHz	-45.82 dBm	-32.82 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98004 GHz	-46.52 dBm	-33.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-40.01 dBm	-27.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31459 GHz	-41.37 dBm	-28.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.77456 GHz	-38.04 dBm	-25.04 dB

Date: 1.SEP.2017 16:00:47

Middle Channel / 16QAM

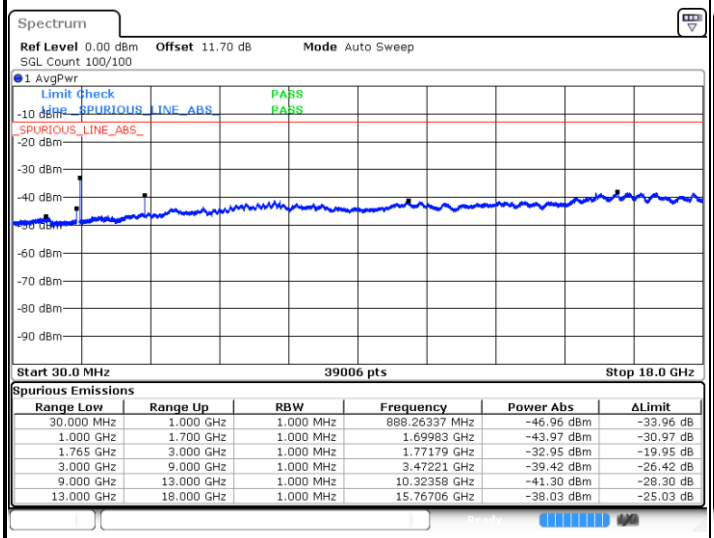


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-47.01 dBm	-34.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68793 GHz	-46.78 dBm	-33.78 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99897 GHz	-46.55 dBm	-33.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-40.29 dBm	-27.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31009 GHz	-41.13 dBm	-28.13 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76664 GHz	-37.78 dBm	-24.78 dB

Date: 1.SEP.2017 16:01:41

Highest Channel / QPSK

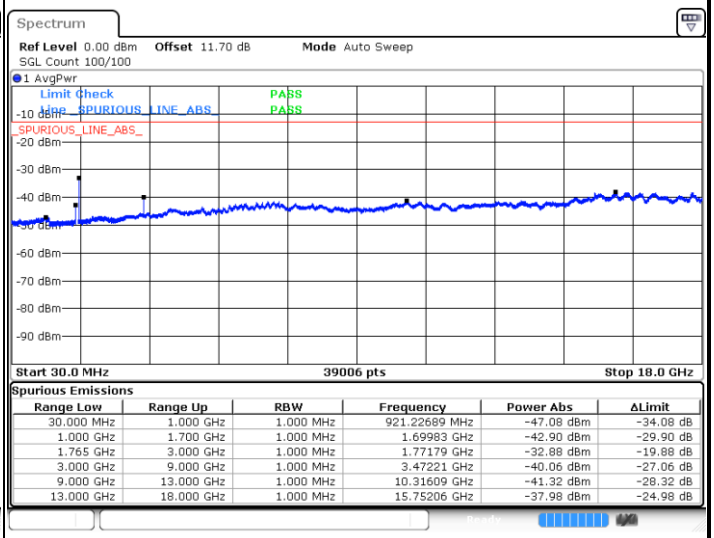


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.26337 MHz	-46.96 dBm	-33.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-43.97 dBm	-30.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-32.95 dBm	-19.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-39.42 dBm	-26.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32358 GHz	-41.30 dBm	-28.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.76706 GHz	-38.03 dBm	-25.03 dB

Date: 1.SEP.2017 16:07:50

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	921.22689 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-42.90 dBm	-29.90 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-32.88 dBm	-19.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-40.06 dBm	-27.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31609 GHz	-41.32 dBm	-28.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75206 GHz	-37.98 dBm	-24.98 dB

Date: 1.SEP.2017 16:08:44

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	0.0085	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0087	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0083	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0076	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0082	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

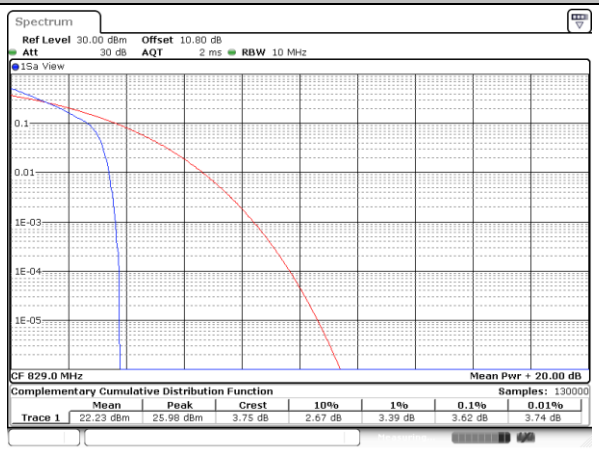
LTE Band 5

Peak-to-Average Ratio

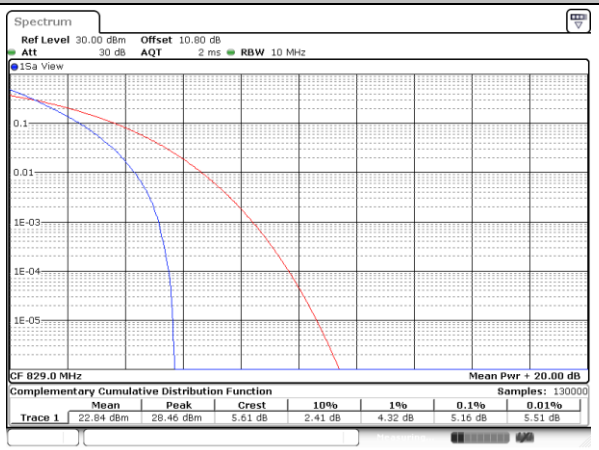
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	5.16	4.35	5.97	PASS
Middle CH	3.86	4.93	4.7	5.8	
Highest CH	3.33	4.9	4.29	5.88	

LTE Band 5 / 10MHz / QPSK

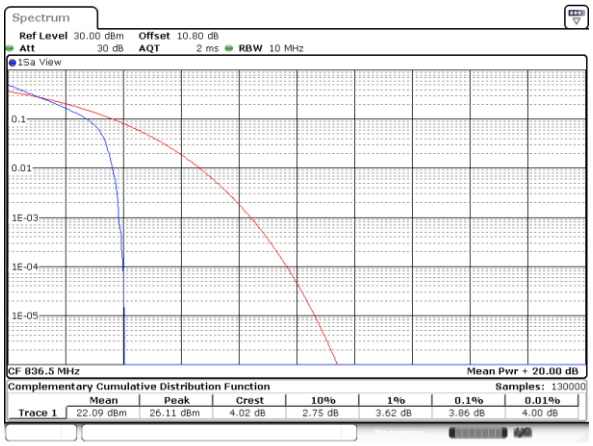
Lowest Channel / 1RB



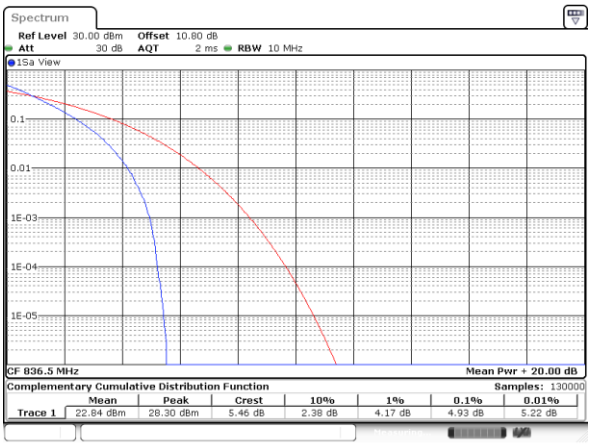
Lowest Channel / Full RB



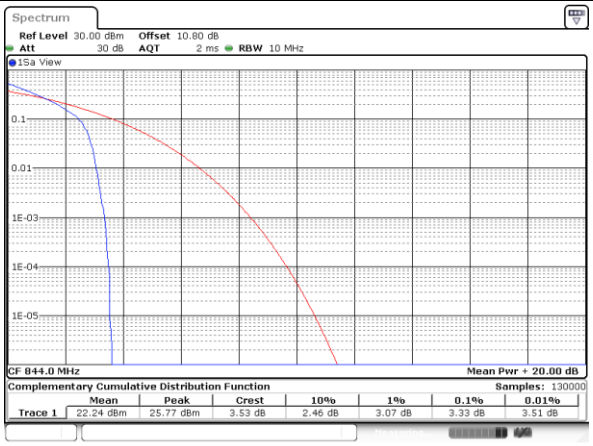
Middle Channel / 1RB



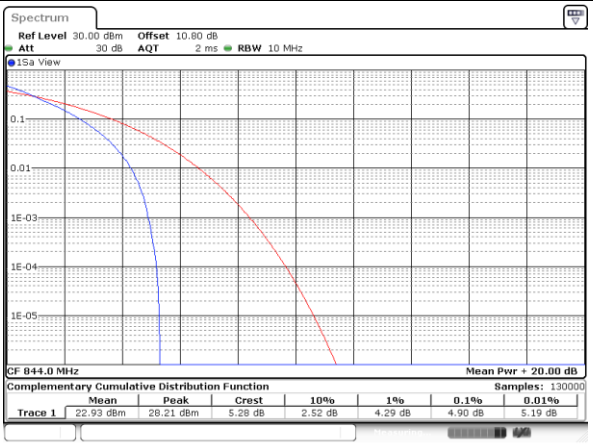
Middle Channel / Full RB



Highest Channel / 1RB

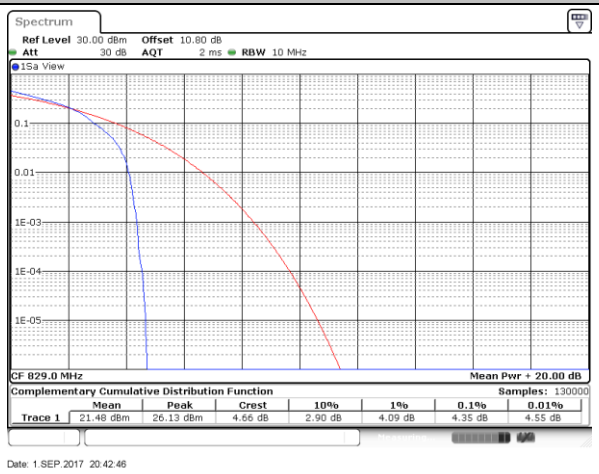


Highest Channel / Full RB

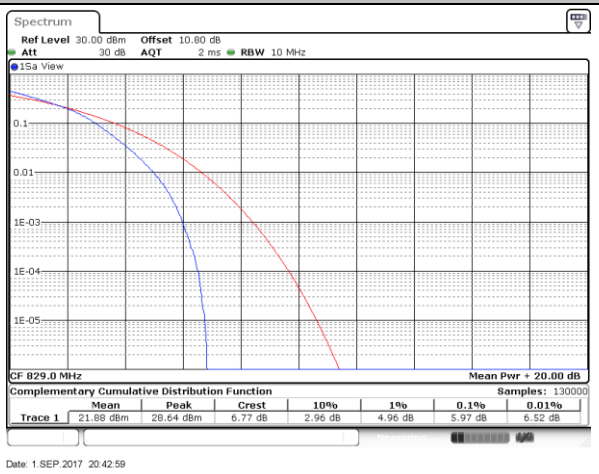


LTE Band 5 / 10MHz / 16QAM

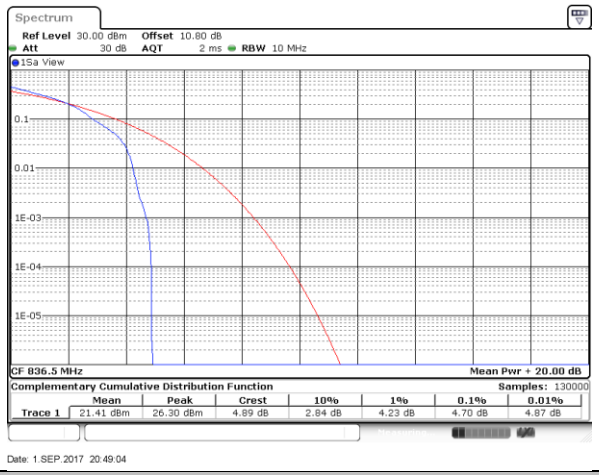
Lowest Channel / 1RB



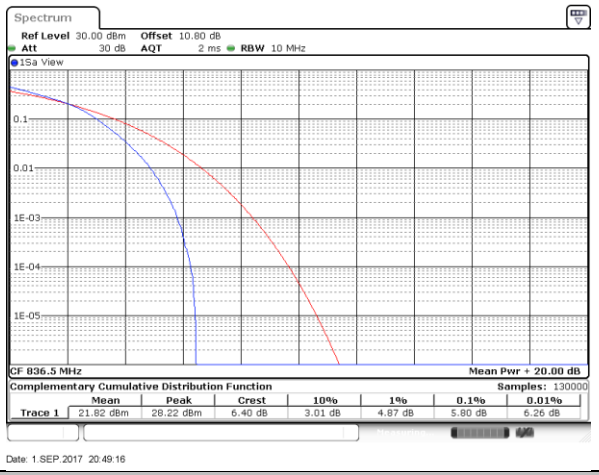
Lowest Channel / Full RB



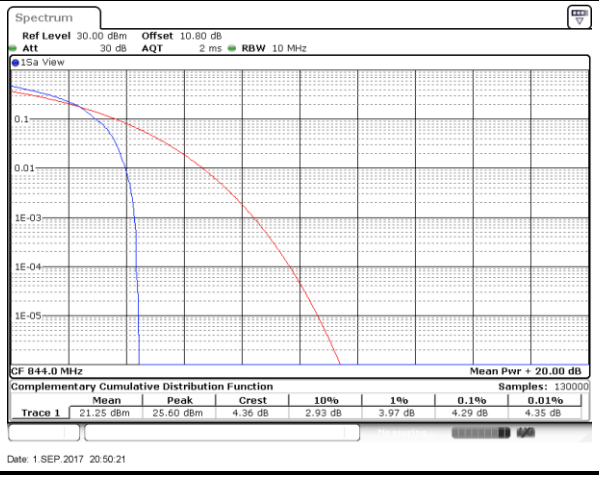
Middle Channel / 1RB



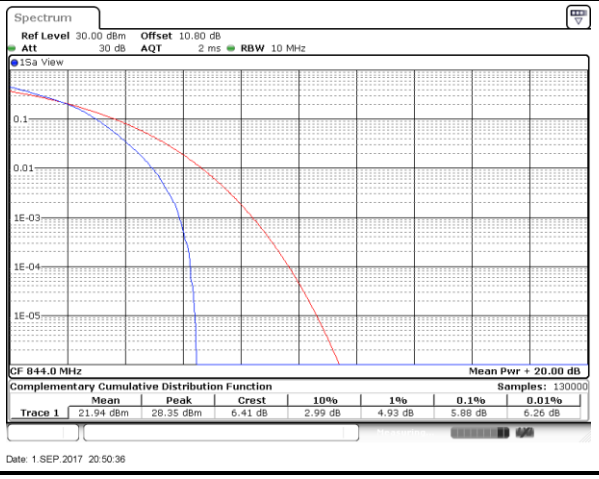
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

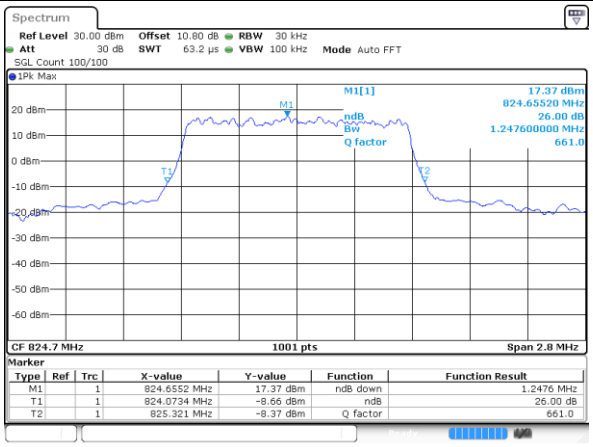


26dB Bandwidth

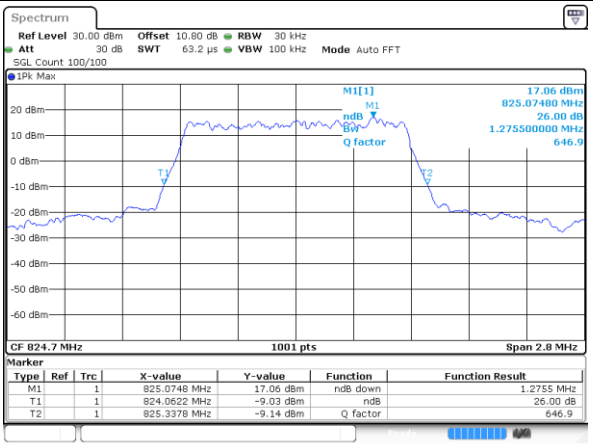
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.25	1.28	2.98	2.97	5.03	4.99	9.83	10.07	-	-	-	-
Middle CH	1.26	1.26	2.99	2.97	5.03	4.99	9.75	9.73	-	-	-	-
Highest CH	1.25	1.21	2.96	3.00	4.92	4.95	9.67	9.81	-	-	-	-

LTE Band 5

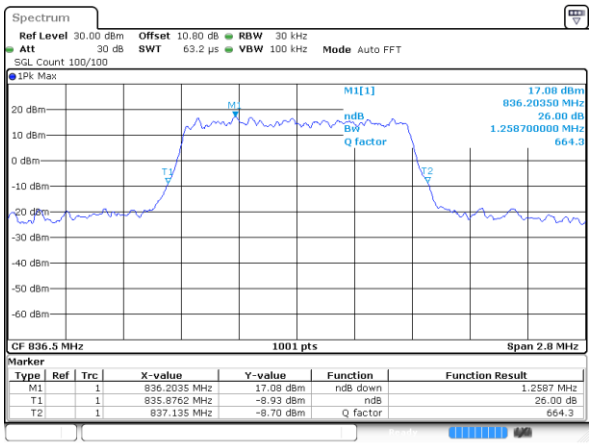
Lowest Channel / 1.4MHz / QPSK



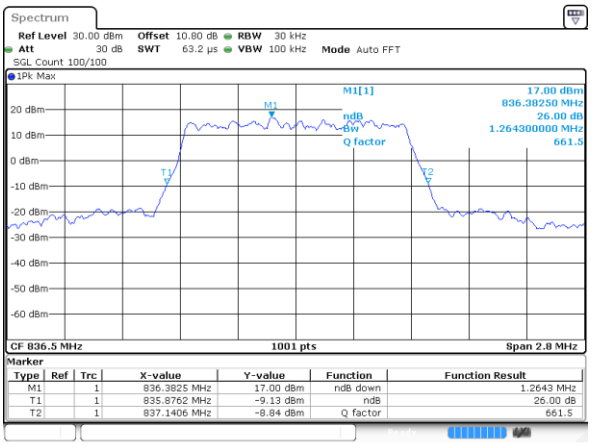
Lowest Channel / 1.4MHz / 16QAM



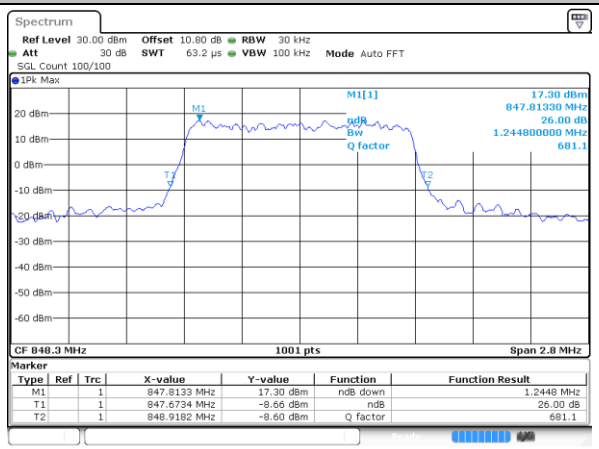
Middle Channel / 1.4MHz / QPSK



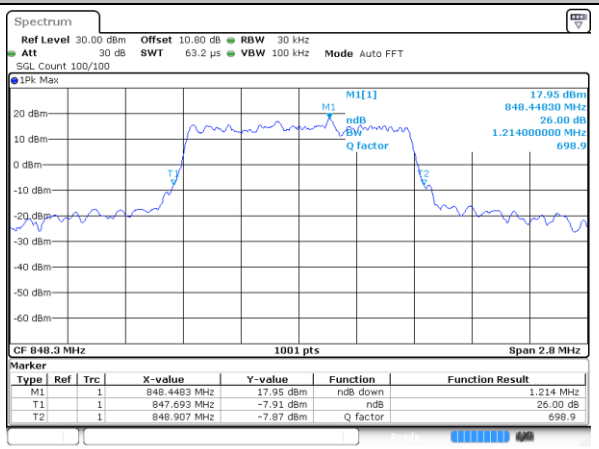
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

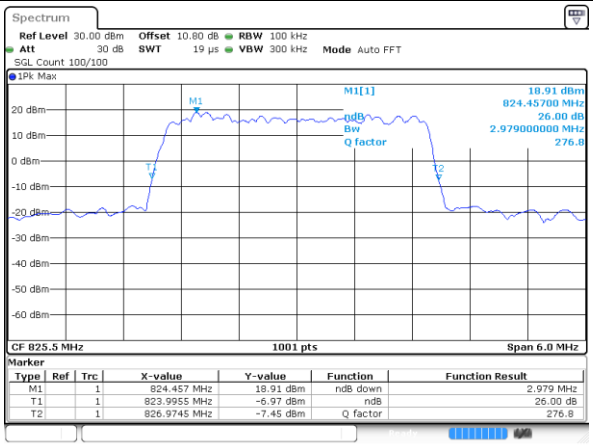


Highest Channel / 1.4MHz / 16QAM

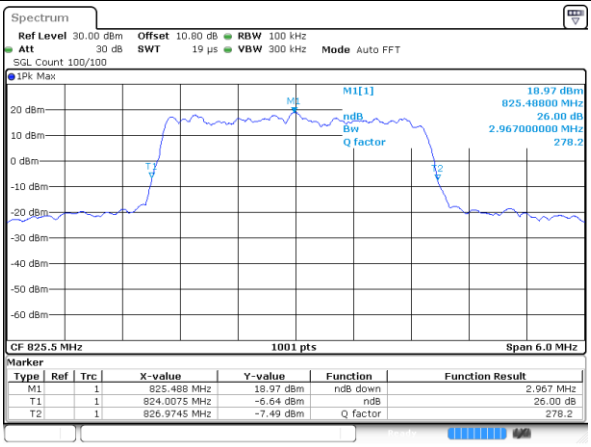


LTE Band 5

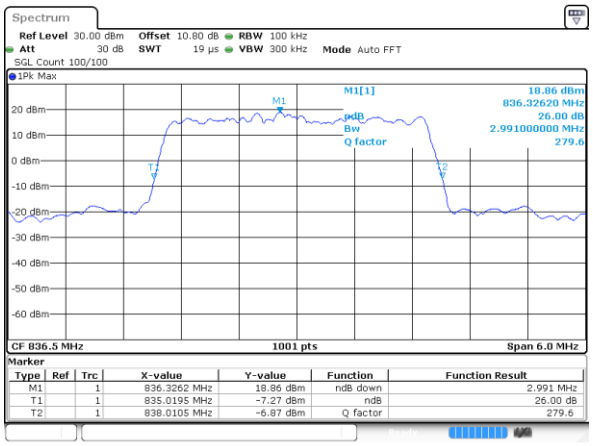
Lowest Channel / 3MHz / QPSK



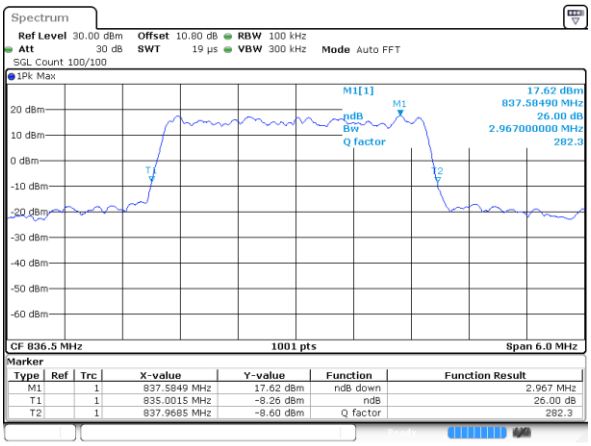
Lowest Channel / 3MHz / 16QAM



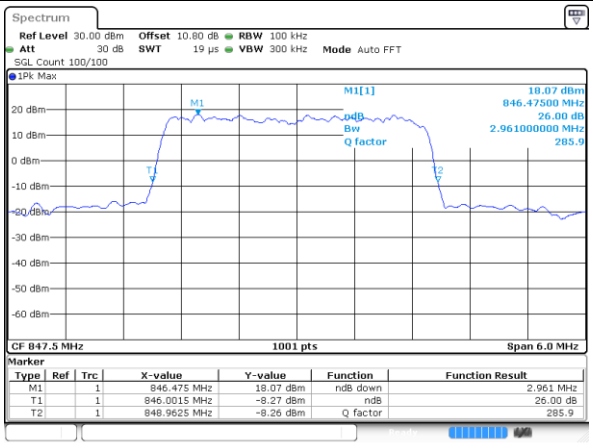
Middle Channel / 3MHz / QPSK



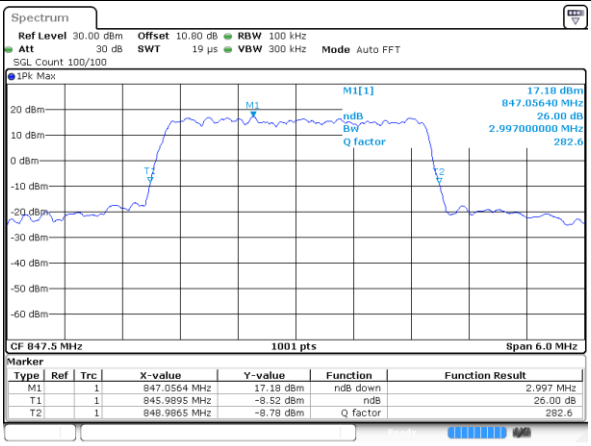
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

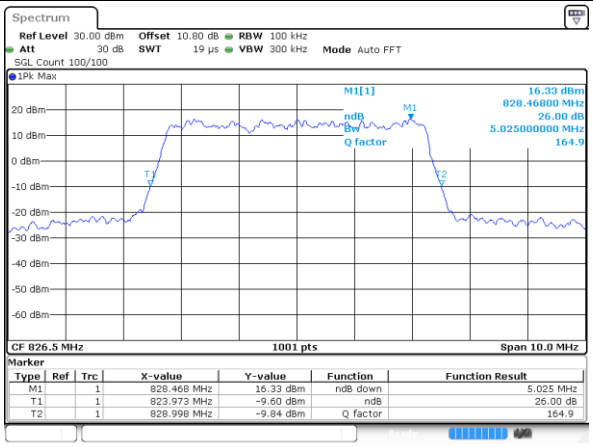


Highest Channel /3MHz / 16QAM

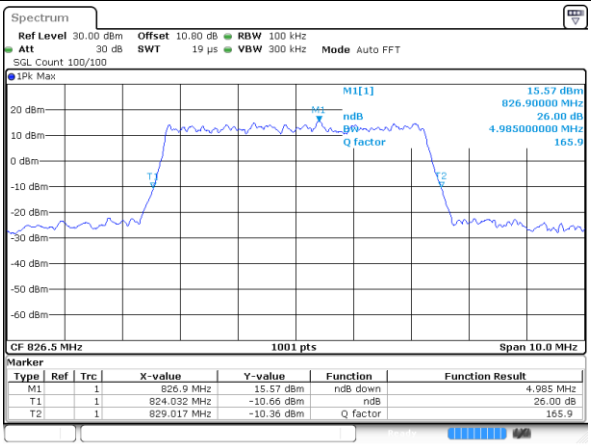


LTE Band 5

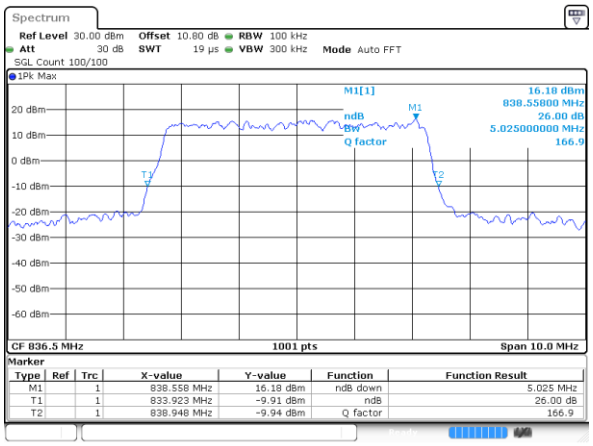
Lowest Channel / 5MHz / QPSK



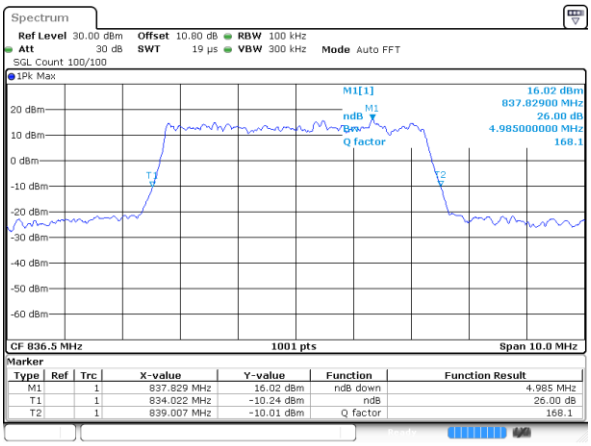
Lowest Channel / 5MHz / 16QAM



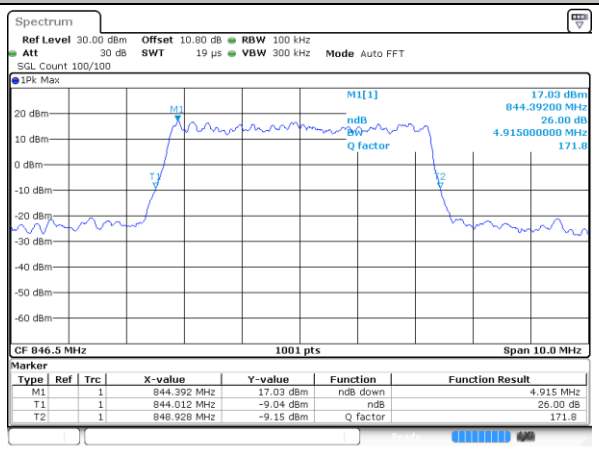
Middle Channel / 5MHz / QPSK



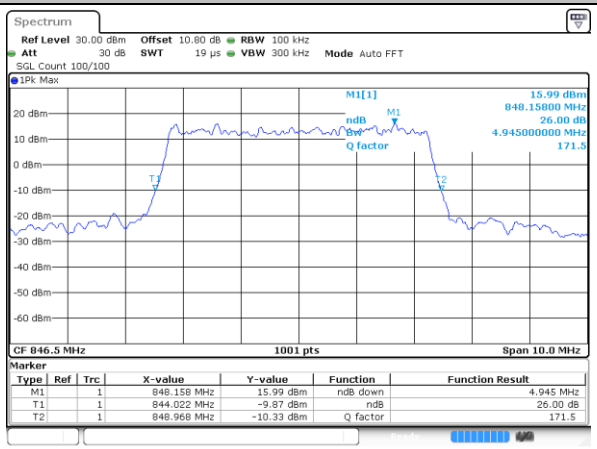
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

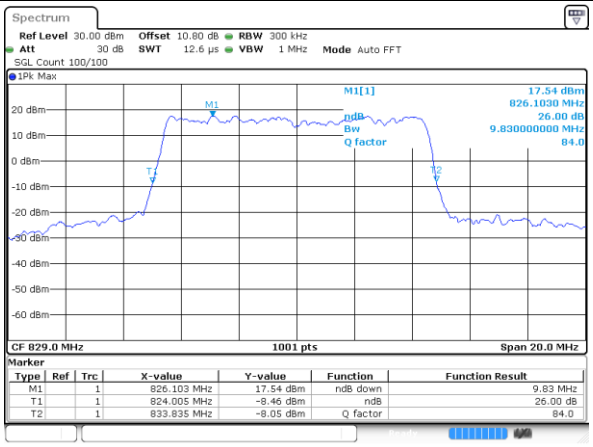


Highest Channel / 5MHz / 16QAM



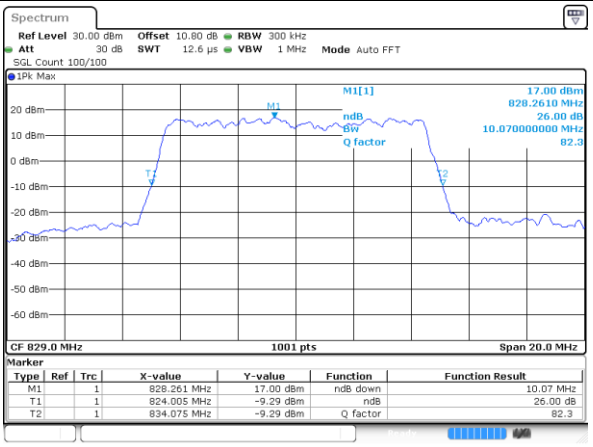
LTE Band 5

Lowest Channel / 10MHz / QPSK



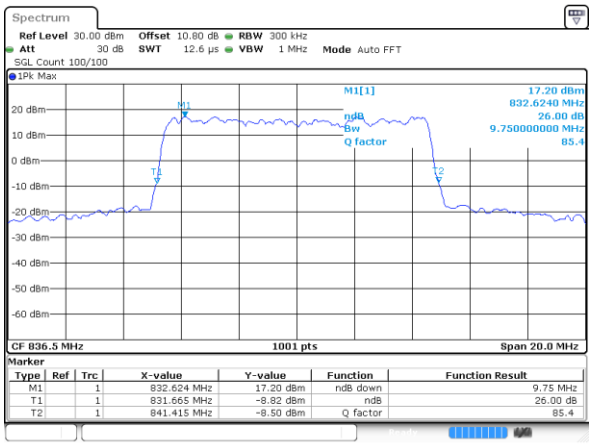
Date: 1.SEP.2017 19:38:07

Lowest Channel / 10MHz / 16QAM



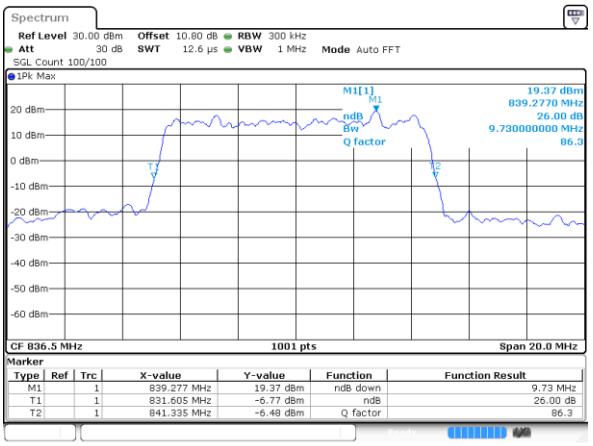
Date: 1.SEP.2017 19:38:17

Middle Channel / 10MHz / QPSK



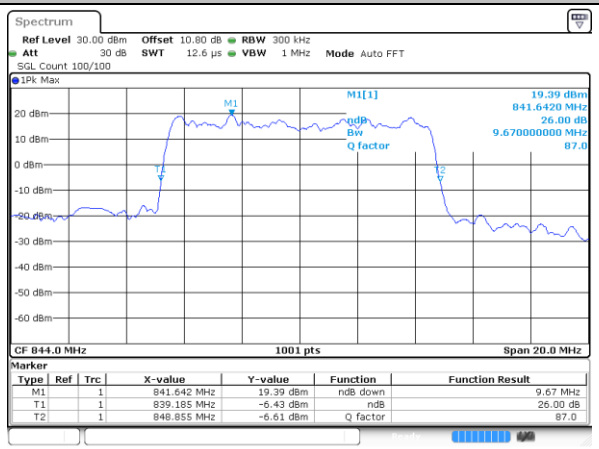
Date: 1.SEP.2017 19:47:09

Middle Channel / 10MHz / 16QAM



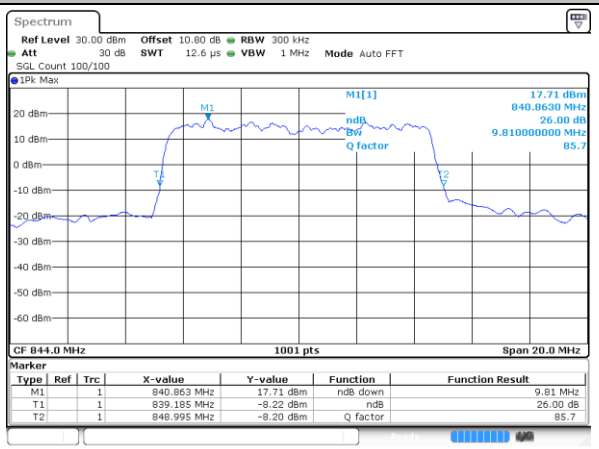
Date: 1.SEP.2017 19:47:19

Highest Channel / 10MHz / QPSK



Date: 1.SEP.2017 19:49:36

Highest Channel / 10MHz / 16QAM



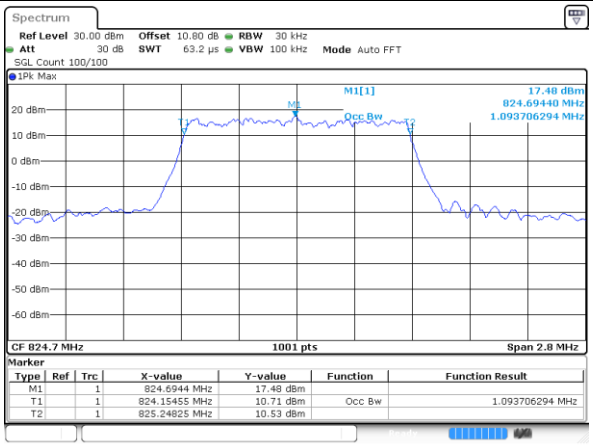
Date: 1.SEP.2017 19:49:46

Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.71	4.5	4.49	9.05	9.05	-	-	-	-
Middle CH	1.1	1.09	2.71	2.71	4.49	4.5	9.01	9.03	-	-	-	-
Highest CH	1.09	1.1	2.73	2.72	4.49	4.5	9.01	8.99	-	-	-	-

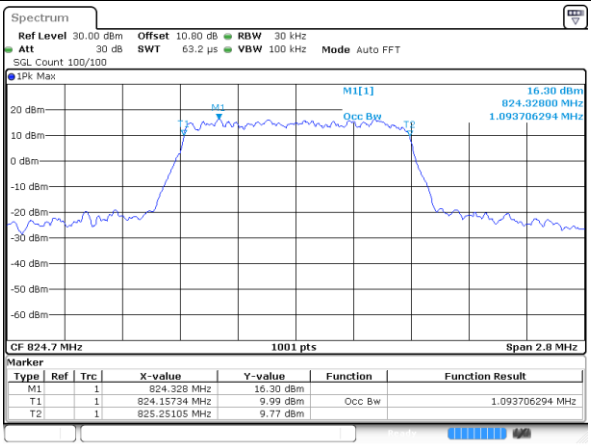
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



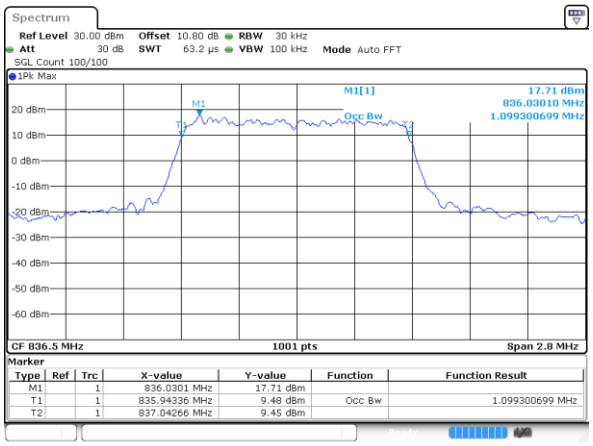
Date: 1.SEP.2017 19:58:19

Lowest Channel / 1.4MHz / 16QAM



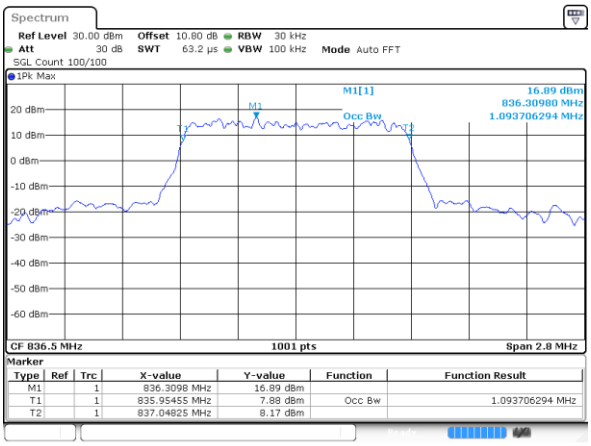
Date: 1.SEP.2017 19:58:29

Middle Channel / 1.4MHz / QPSK



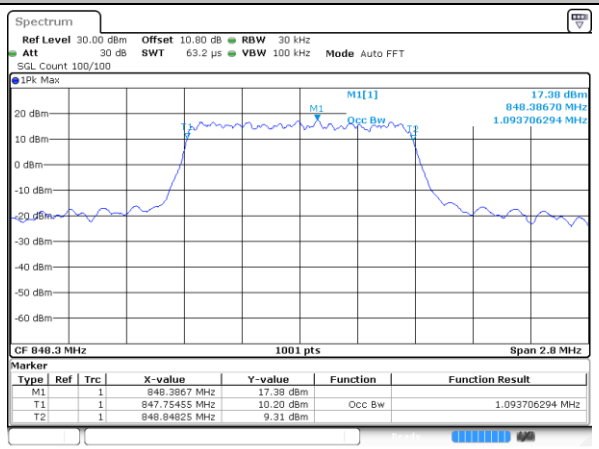
Date: 1.SEP.2017 20:07:21

Middle Channel / 1.4MHz / 16QAM



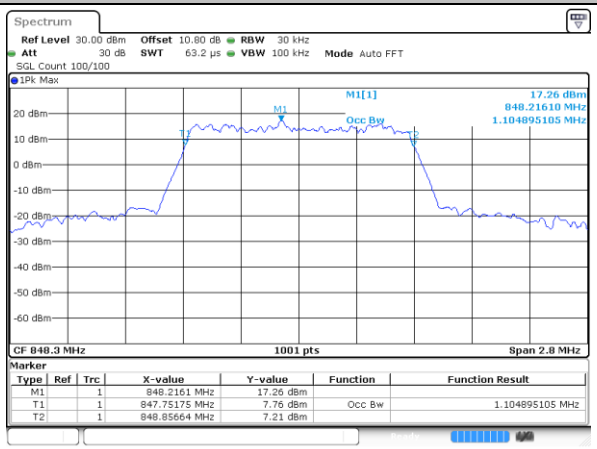
Date: 1.SEP.2017 20:07:31

Highest Channel / 1.4MHz / QPSK



Date: 1.SEP.2017 20:09:48

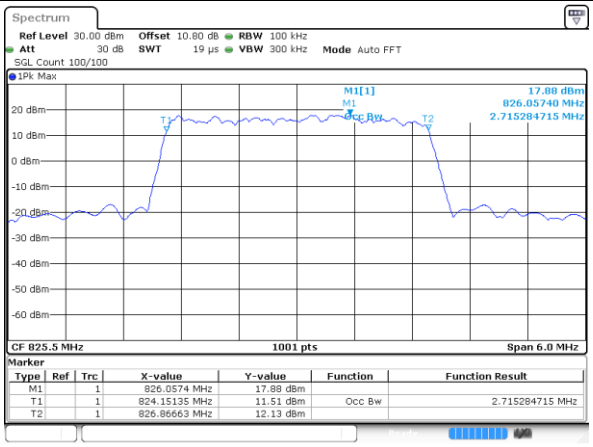
Highest Channel / 1.4MHz / 16QAM



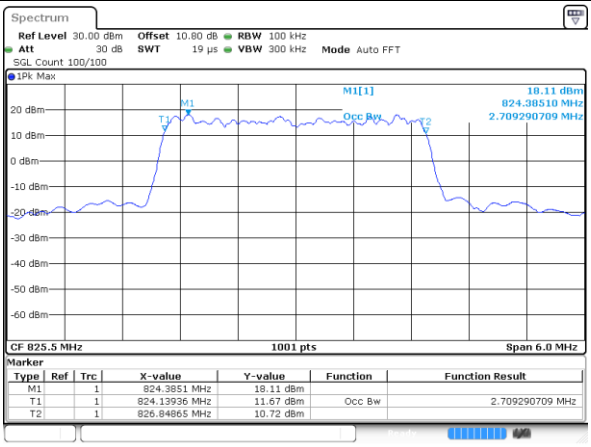
Date: 1.SEP.2017 20:09:59

LTE Band 5

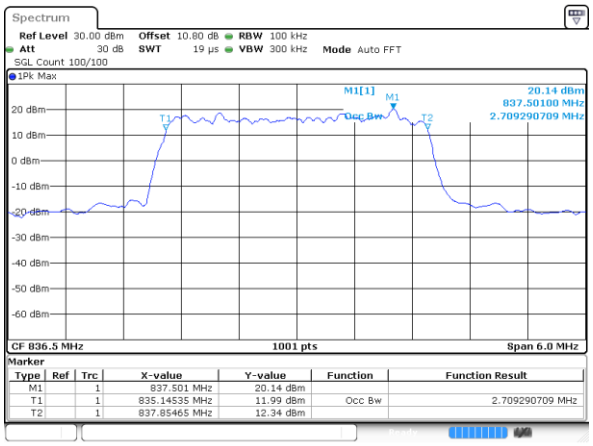
Lowest Channel / 3MHz / QPSK



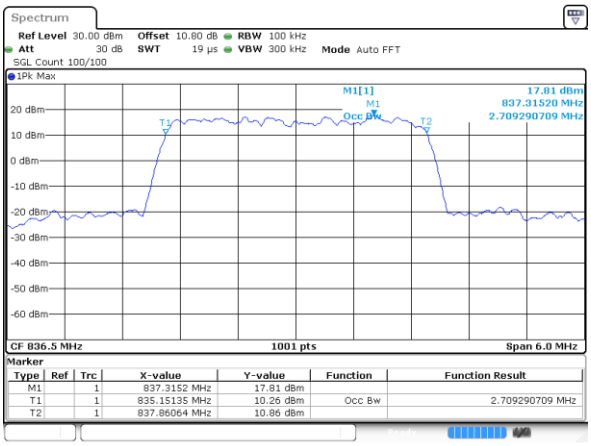
Lowest Channel / 3MHz / 16QAM



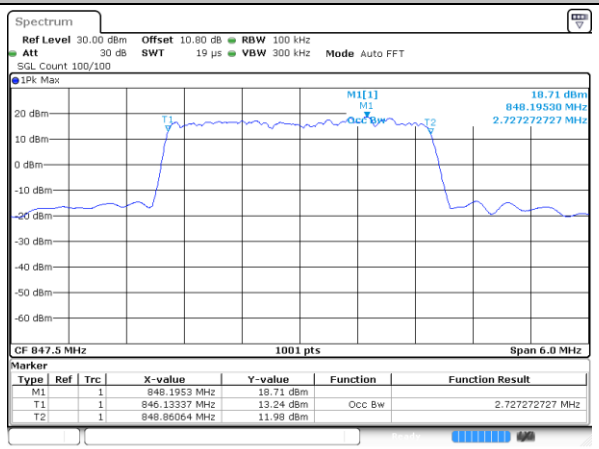
Middle Channel / 3MHz / QPSK



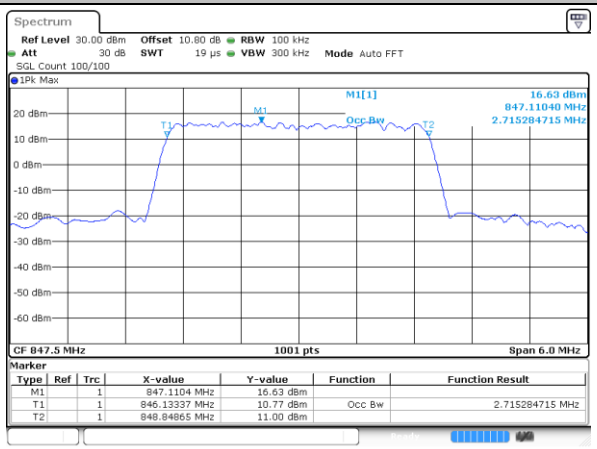
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

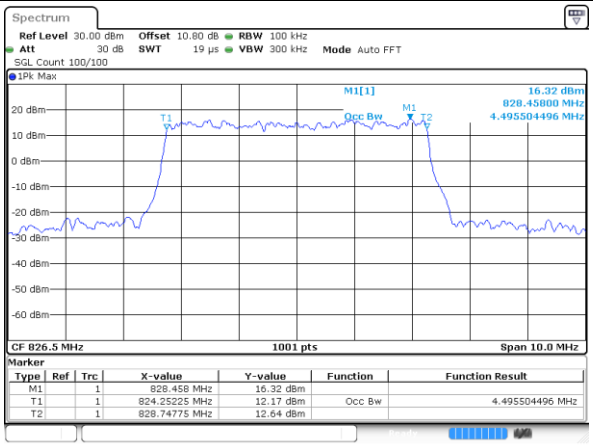


Highest Channel / 3MHz / 16QAM



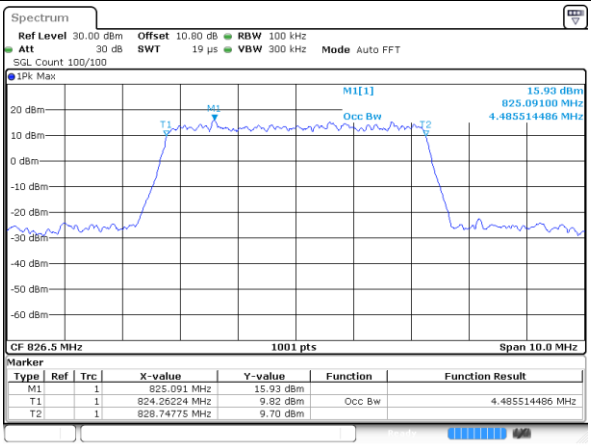
LTE Band 5

Lowest Channel / 5MHz / QPSK



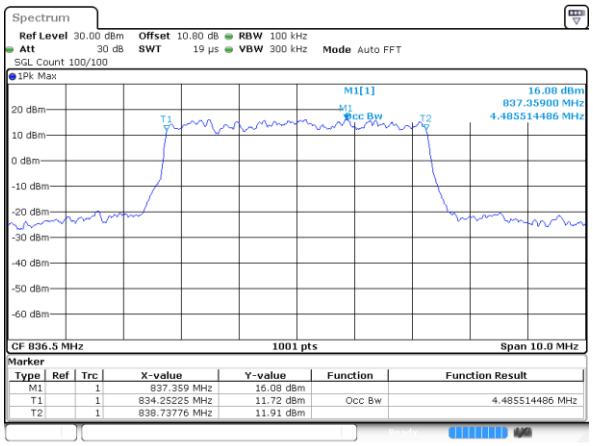
Date: 1.SEP.2017 19:17:14

Lowest Channel / 5MHz / 16QAM



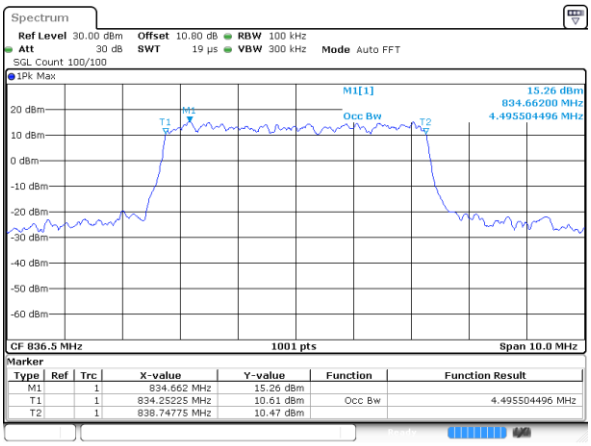
Date: 1.SEP.2017 19:17:24

Middle Channel / 5MHz / QPSK



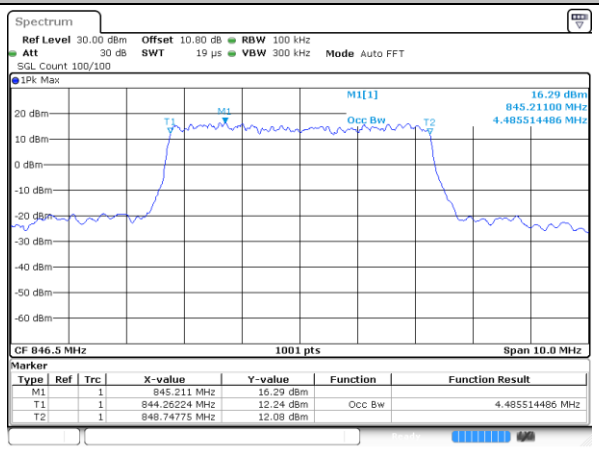
Date: 1.SEP.2017 19:26:17

Middle Channel / 5MHz / 16QAM



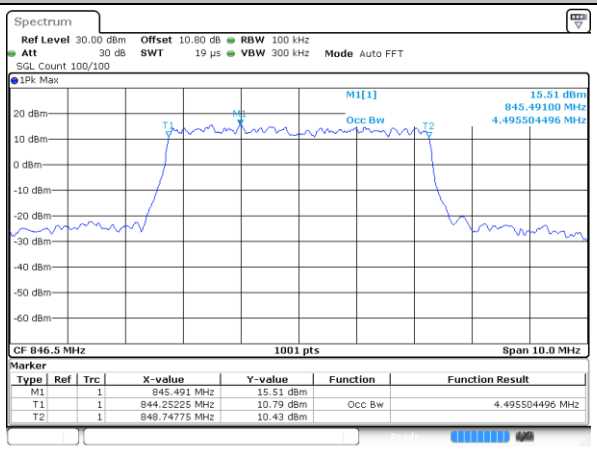
Date: 1.SEP.2017 19:26:27

Highest Channel / 5MHz / QPSK



Date: 1.SEP.2017 19:28:44

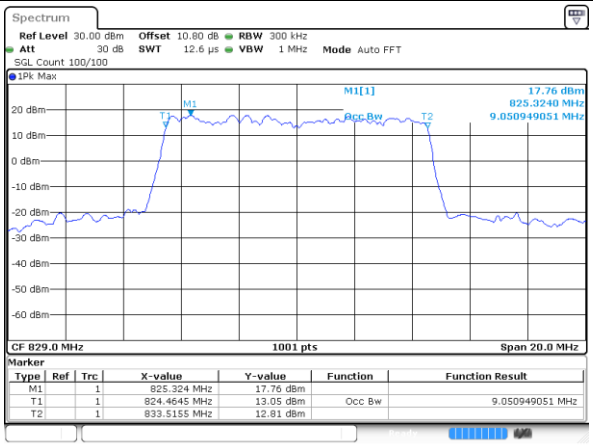
Highest Channel / 5MHz / 16QAM



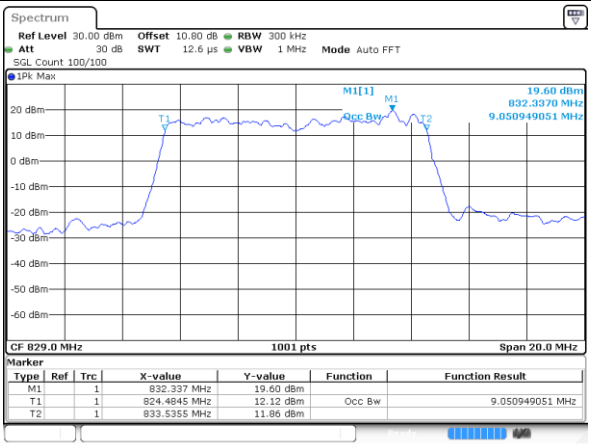
Date: 1.SEP.2017 19:28:54

LTE Band 5

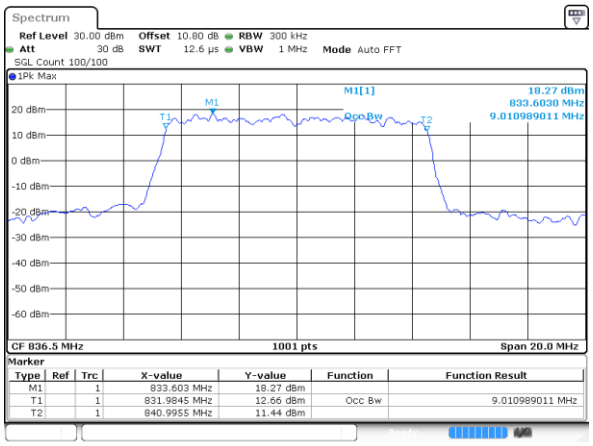
Lowest Channel / 10MHz / QPSK



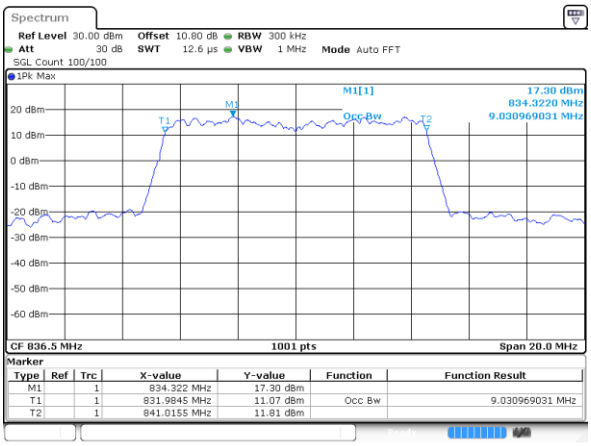
Lowest Channel / 10MHz / 16QAM



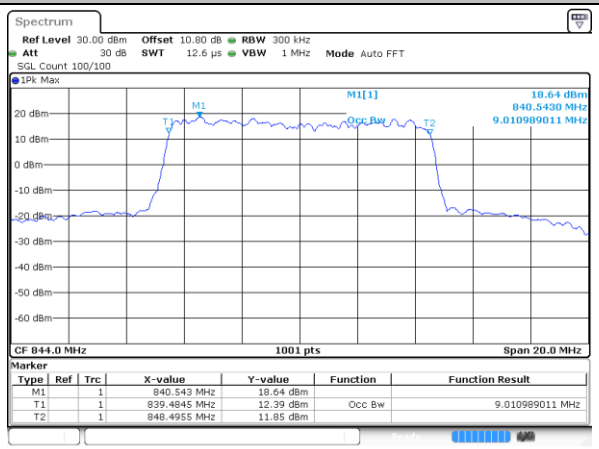
Middle Channel / 10MHz / QPSK



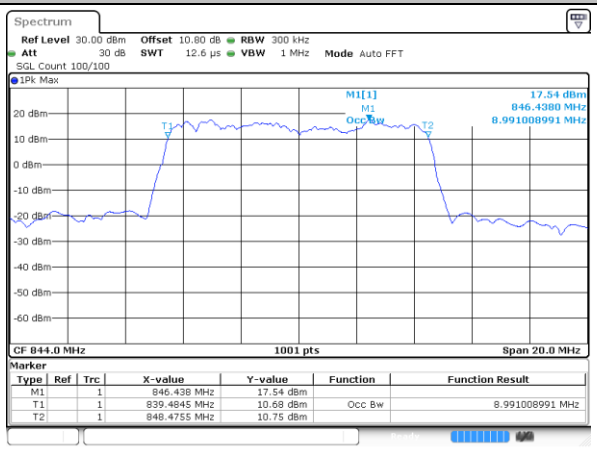
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



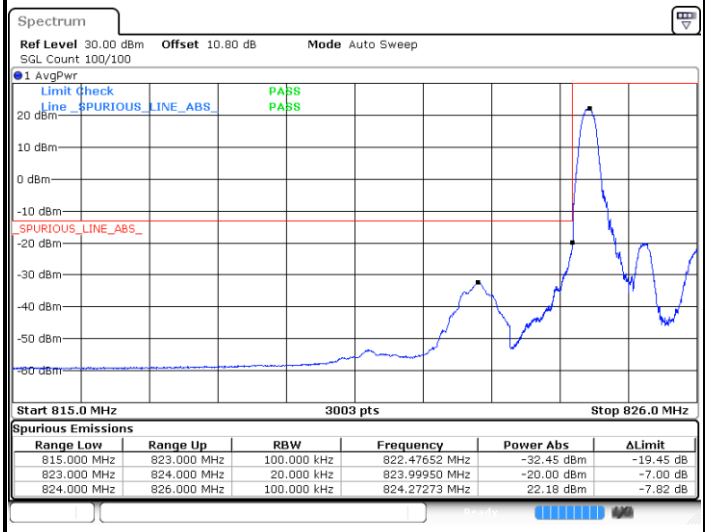
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.47652 MHz	-32.45 dBm	-19.45 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-20.00 dBm	-7.00 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.27273 MHz	22.18 dBm	-7.82 dB

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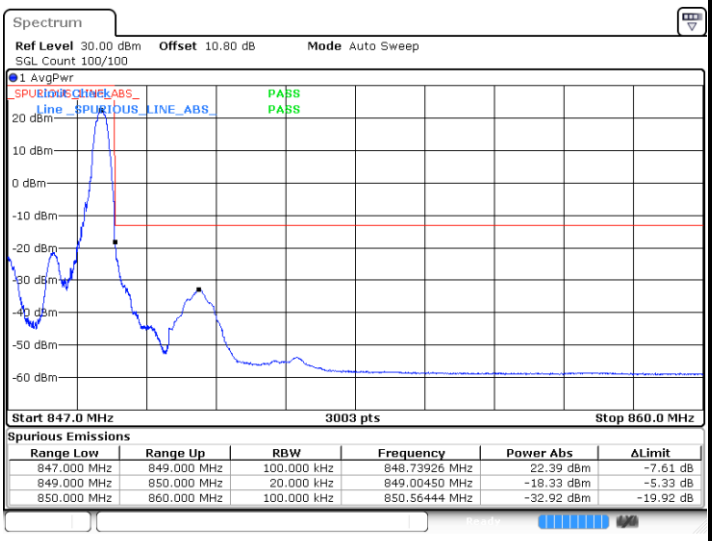
Highest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.73926 MHz	22.39 dBm	-7.61 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00450 MHz	-18.33 dBm	-5.33 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.56444 MHz	-32.92 dBm	-19.92 dB

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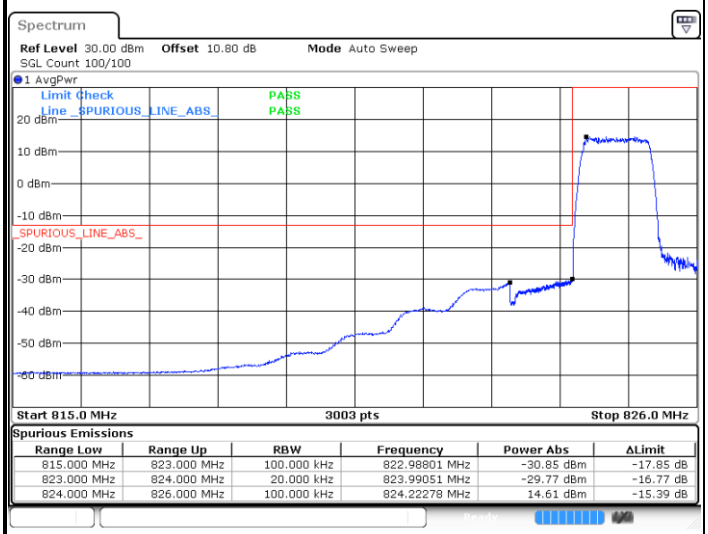
Lowest Band Edge / Full RB

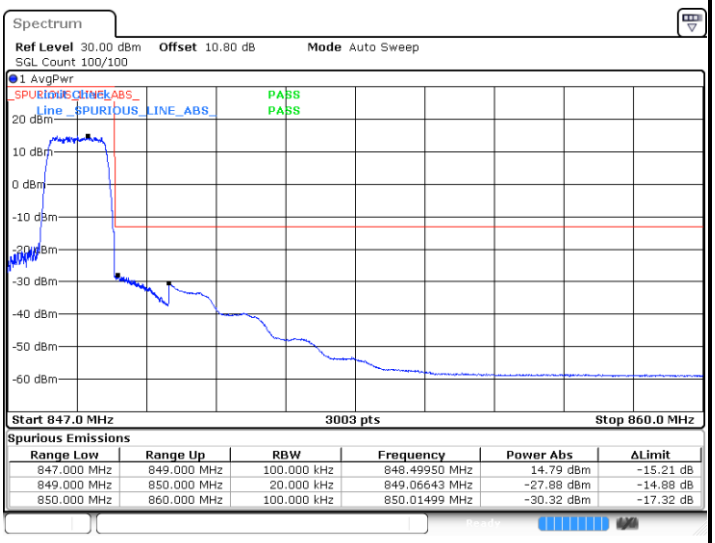


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-30.85 dBm	-17.85 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99051 MHz	-29.77 dBm	-16.77 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.22278 MHz	14.61 dBm	-15.39 dB

Date: 1.SEP.2017 20:03:44

Highest Band Edge / Full RB



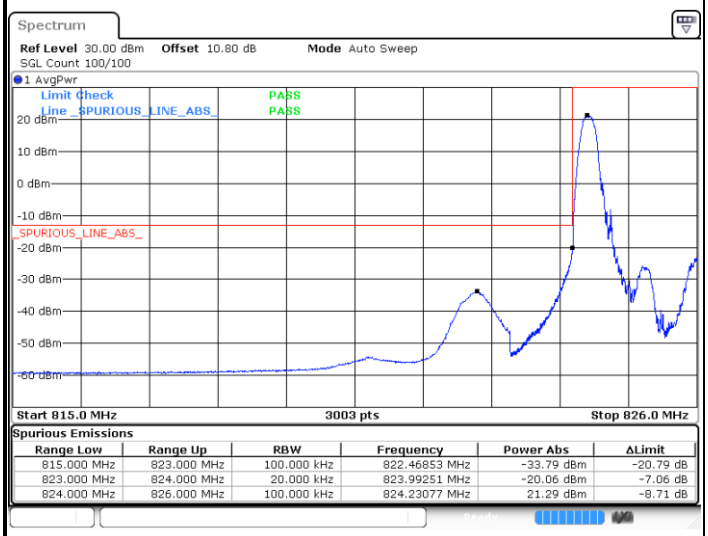
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.49950 MHz	14.79 dBm	-15.21 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.06643 MHz	-27.88 dBm	-14.88 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-30.32 dBm	-17.32 dB

Date: 1.SEP.2017 20:11:57

LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

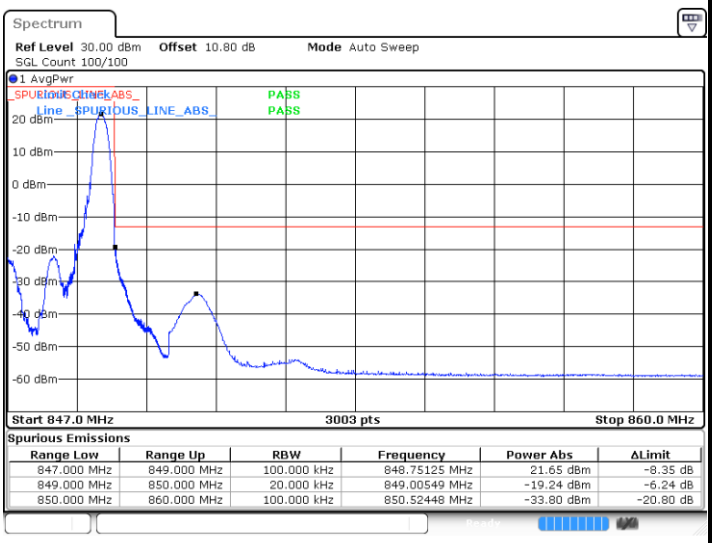


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.46853 MHz	-33.79 dBm	-20.79 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99251 MHz	-20.06 dBm	-7.06 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.23077 MHz	21.29 dBm	-8.71 dB

Date: 1.SEP.2017 20:02:06

Highest Band Edge / 1 RB

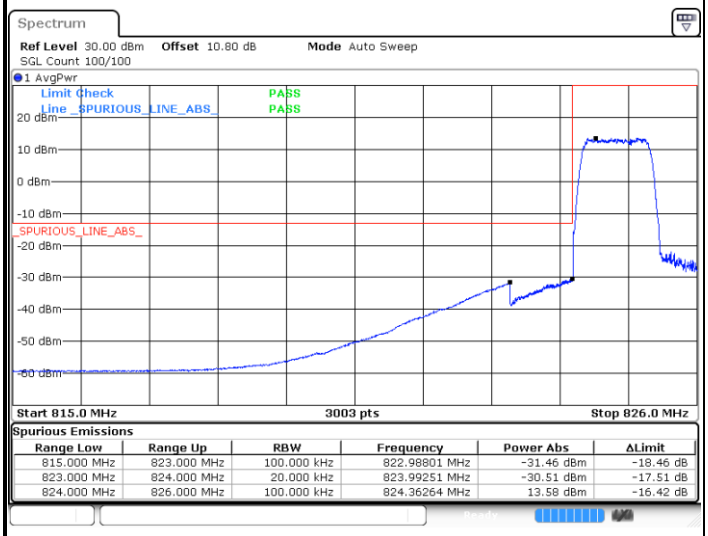


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75125 MHz	21.65 dBm	-8.35 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00549 MHz	-19.24 dBm	-6.24 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.52448 MHz	-33.80 dBm	-20.80 dB

Date: 1.SEP.2017 20:16:53

Lowest Band Edge / Full RB

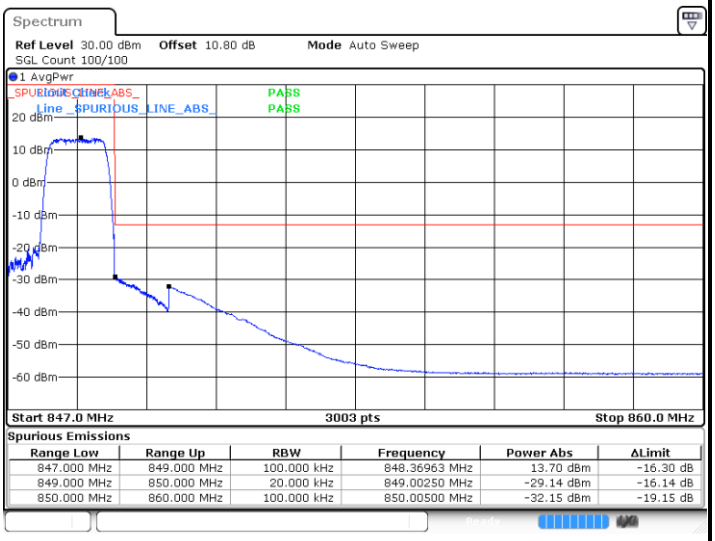


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-31.46 dBm	-18.46 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99251 MHz	-30.51 dBm	-17.51 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.36264 MHz	13.58 dBm	-16.42 dB

Date: 1.SEP.2017 20:05:23

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.36963 MHz	13.70 dBm	-16.30 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00250 MHz	-29.14 dBm	-16.14 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-32.15 dBm	-19.15 dB

Date: 1.SEP.2017 20:13:35