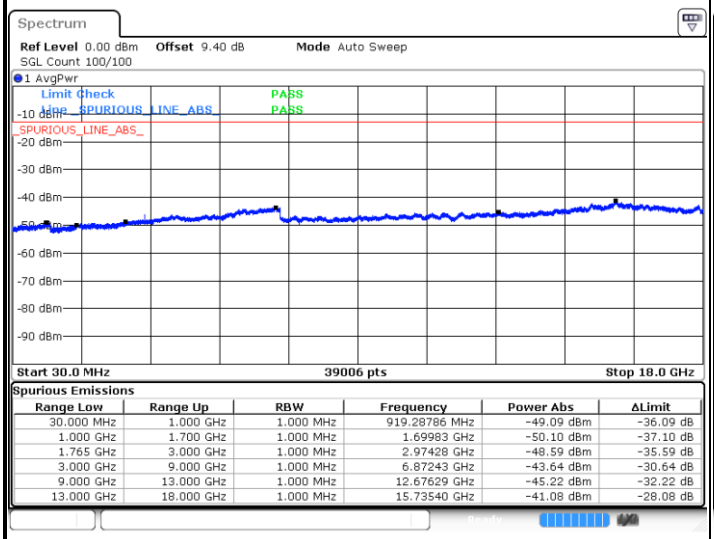
LTE Band 4 / 10MHz

Middle Channel / QPSK

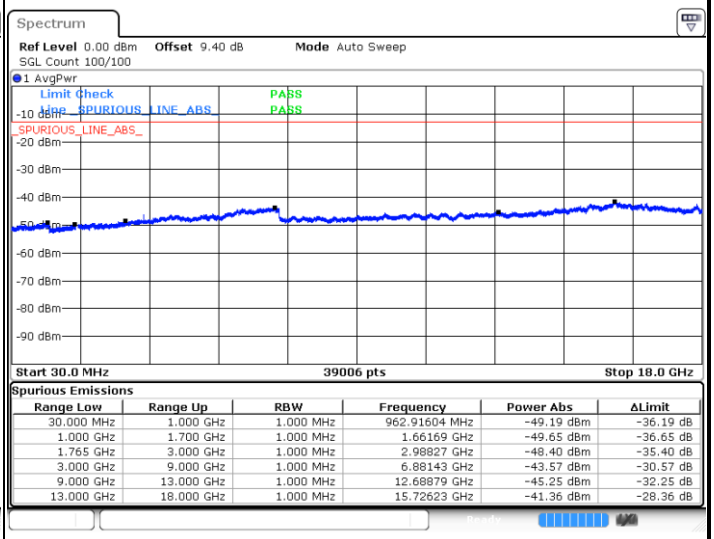


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-49.09 dBm	-36.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-50.10 dBm	-37.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97428 GHz	-48.59 dBm	-35.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87243 GHz	-43.64 dBm	-30.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67629 GHz	-45.22 dBm	-32.22 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73540 GHz	-41.08 dBm	-28.08 dB

Date: 1.NOV.2019 16:37:10

Middle Channel / 16QAM

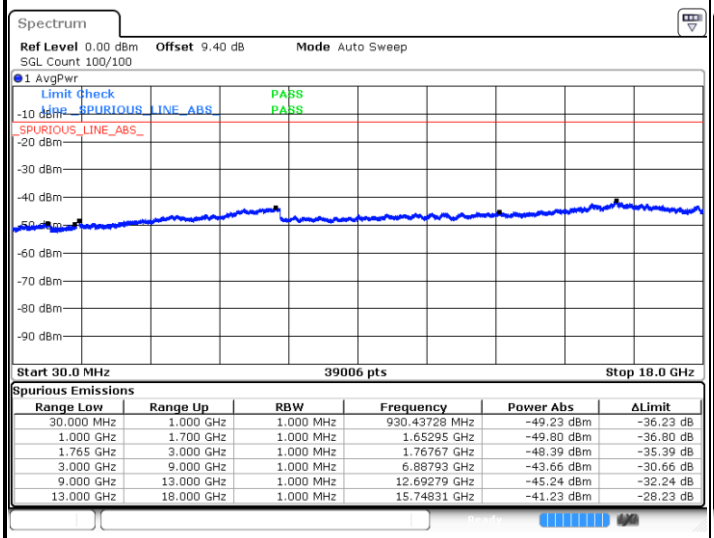


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-49.19 dBm	-36.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66169 GHz	-49.65 dBm	-36.65 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98827 GHz	-48.40 dBm	-35.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88143 GHz	-43.57 dBm	-30.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68879 GHz	-45.25 dBm	-32.25 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72623 GHz	-41.36 dBm	-28.36 dB

Date: 1.NOV.2019 16:38:04

Highest Channel / QPSK

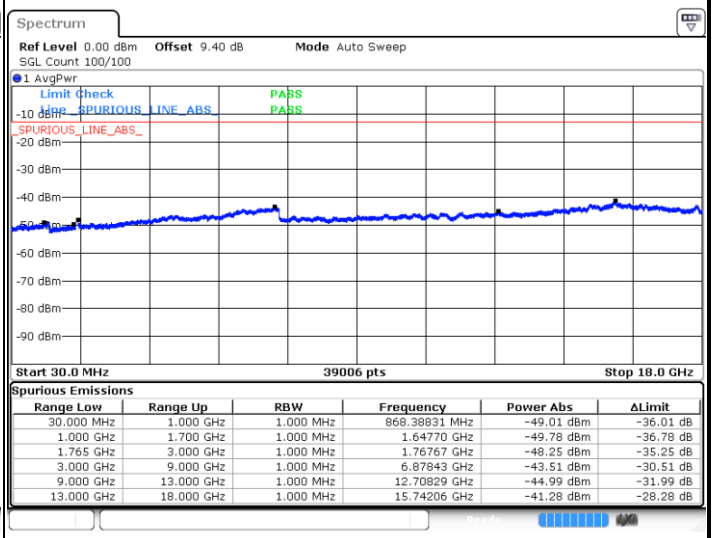


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.43728 MHz	-49.23 dBm	-36.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65295 GHz	-49.80 dBm	-36.80 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-48.39 dBm	-35.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88793 GHz	-43.66 dBm	-30.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69279 GHz	-45.24 dBm	-32.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74831 GHz	-41.23 dBm	-28.23 dB

Date: 1.NOV.2019 16:44:08

Highest Channel / 16QAM



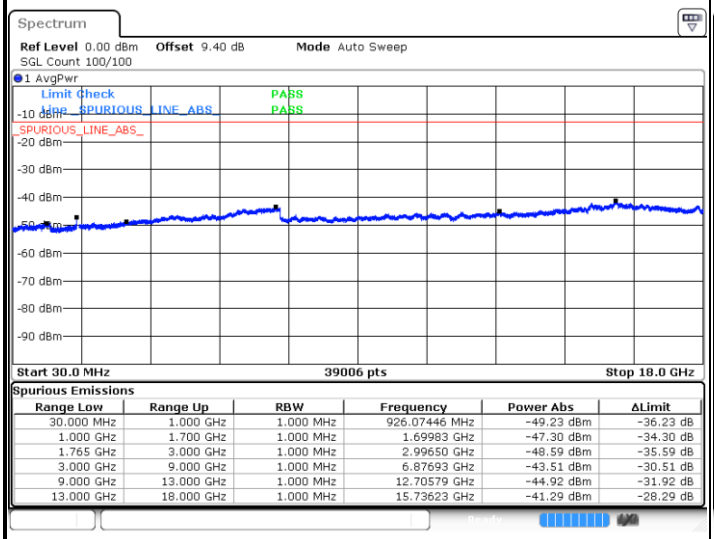
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.38831 MHz	-49.01 dBm	-36.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64770 GHz	-49.78 dBm	-36.78 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-48.25 dBm	-35.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87843 GHz	-43.51 dBm	-30.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-44.99 dBm	-31.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74206 GHz	-41.28 dBm	-28.28 dB

Date: 1.NOV.2019 16:45:03

LTE Band 4 / 15MHz

Lowest Channel / QPSK

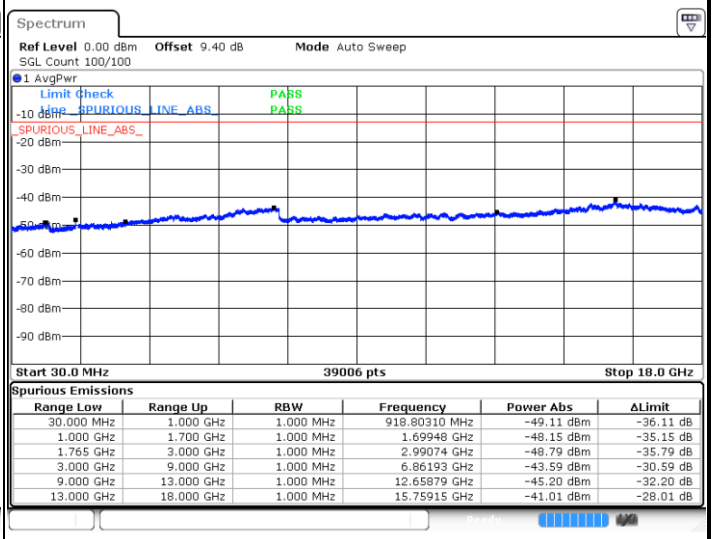


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.07446 MHz	-49.23 dBm	-36.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-47.30 dBm	-34.30 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-48.59 dBm	-35.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87693 GHz	-43.51 dBm	-30.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-44.92 dBm	-31.92 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73623 GHz	-41.29 dBm	-28.29 dB

Date: 1.NOV.2019 16:51:07

Lowest Channel / 16QAM

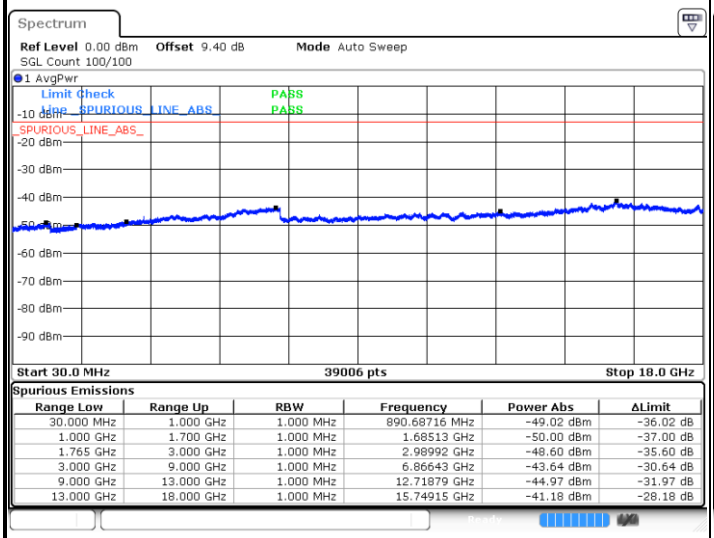


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.80310 MHz	-49.11 dBm	-36.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-48.15 dBm	-35.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99074 GHz	-48.79 dBm	-35.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86193 GHz	-43.59 dBm	-30.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65879 GHz	-45.20 dBm	-32.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75915 GHz	-41.01 dBm	-28.01 dB

Date: 1.NOV.2019 16:52:01

Middle Channel / QPSK

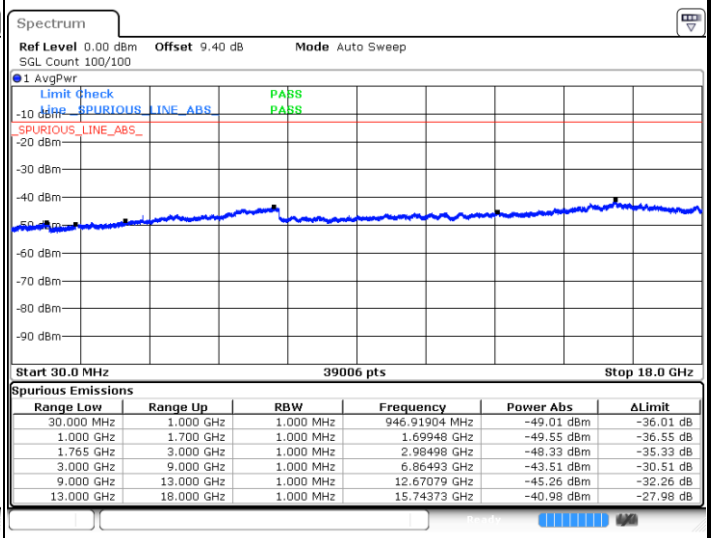


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-49.02 dBm	-36.02 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68513 GHz	-50.00 dBm	-37.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98992 GHz	-48.60 dBm	-35.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86643 GHz	-43.64 dBm	-30.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71879 GHz	-44.97 dBm	-31.97 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74915 GHz	-41.18 dBm	-28.18 dB

Date: 1.NOV.2019 16:53:36

Middle Channel / 16QAM



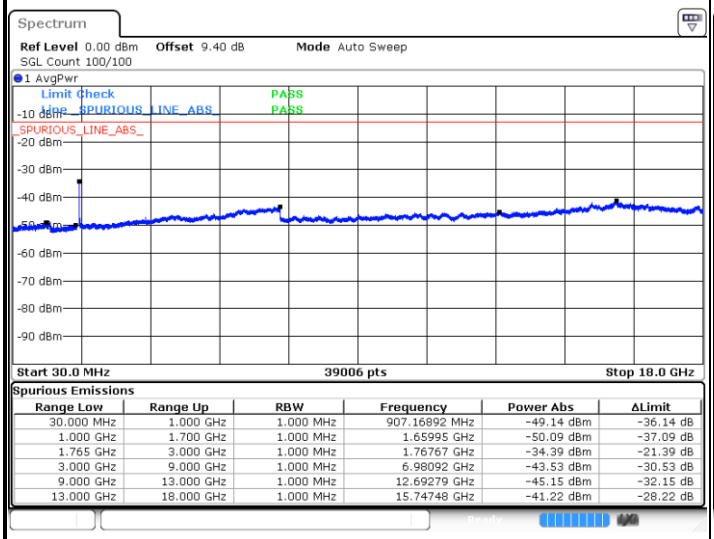
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-49.01 dBm	-36.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-49.55 dBm	-36.55 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98498 GHz	-48.33 dBm	-35.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86493 GHz	-43.51 dBm	-30.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67079 GHz	-45.26 dBm	-32.26 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74373 GHz	-40.98 dBm	-27.98 dB

Date: 1.NOV.2019 16:54:30

LTE Band 4 / 15MHz

Highest Channel / QPSK

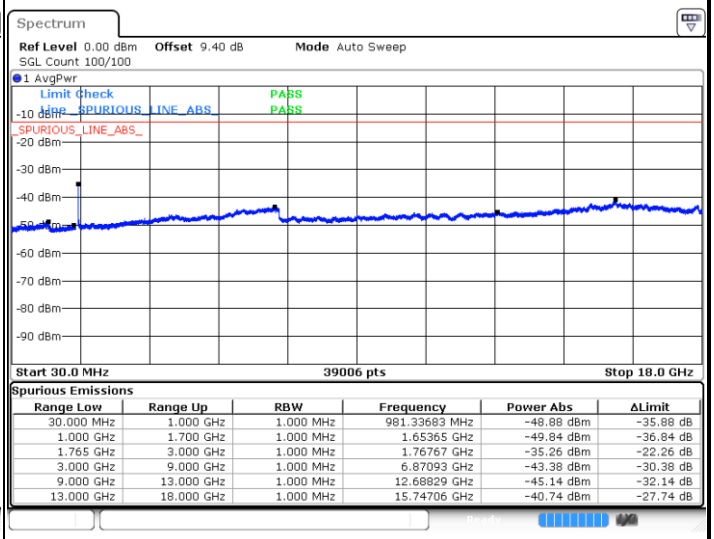


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-49.14 dBm	-36.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65995 GHz	-50.09 dBm	-37.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-34.39 dBm	-21.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98092 GHz	-43.53 dBm	-30.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69279 GHz	-45.15 dBm	-32.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74748 GHz	-41.22 dBm	-28.22 dB

Date: 1.NOV.2019 17:00:34

Highest Channel / 16QAM



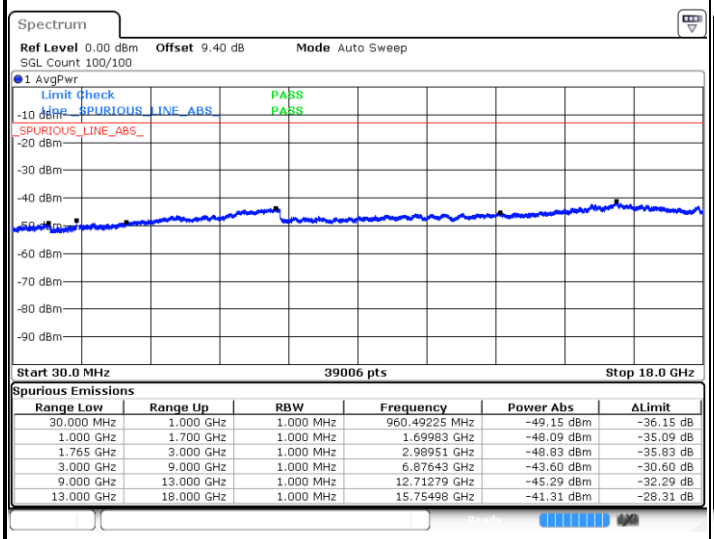
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-48.88 dBm	-35.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65365 GHz	-49.84 dBm	-36.84 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-35.26 dBm	-22.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87093 GHz	-43.38 dBm	-30.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68829 GHz	-45.14 dBm	-32.14 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74706 GHz	-40.74 dBm	-27.74 dB

Date: 1.NOV.2019 17:01:28

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	960.49225 MHz	-49.15 dBm	-36.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-48.09 dBm	-35.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98951 GHz	-48.83 dBm	-35.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87643 GHz	-43.60 dBm	-30.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71279 GHz	-45.29 dBm	-32.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75498 GHz	-41.31 dBm	-28.31 dB

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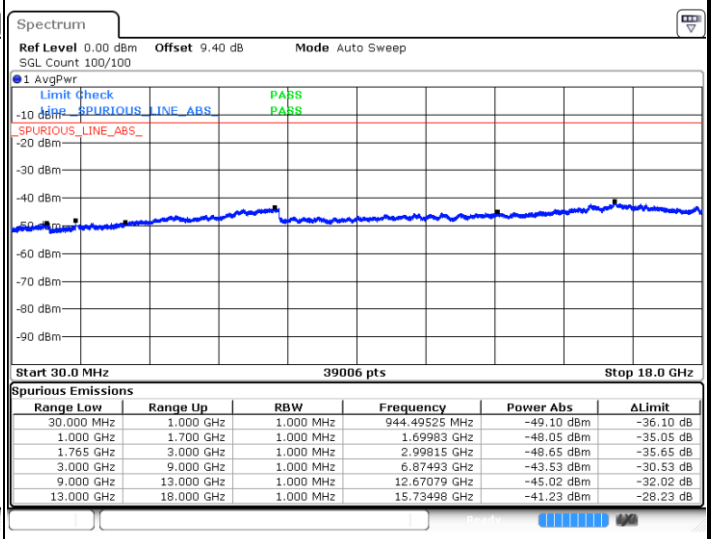
Lowest Channel / 16QAM



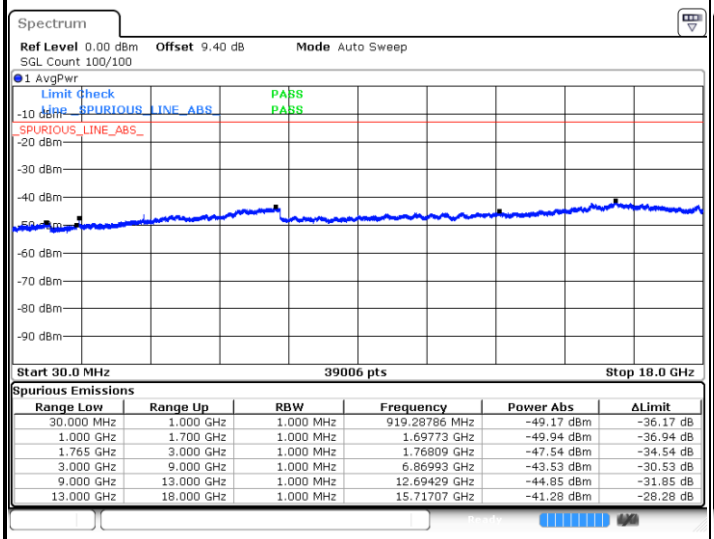
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-49.10 dBm	-36.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-48.05 dBm	-35.05 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99815 GHz	-48.65 dBm	-35.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87493 GHz	-43.53 dBm	-30.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67079 GHz	-45.02 dBm	-32.02 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73498 GHz	-41.23 dBm	-28.23 dB

Date: 1.NOV.2019 17:25:27

LTE Band 4 / 20MHz

Middle Channel / QPSK

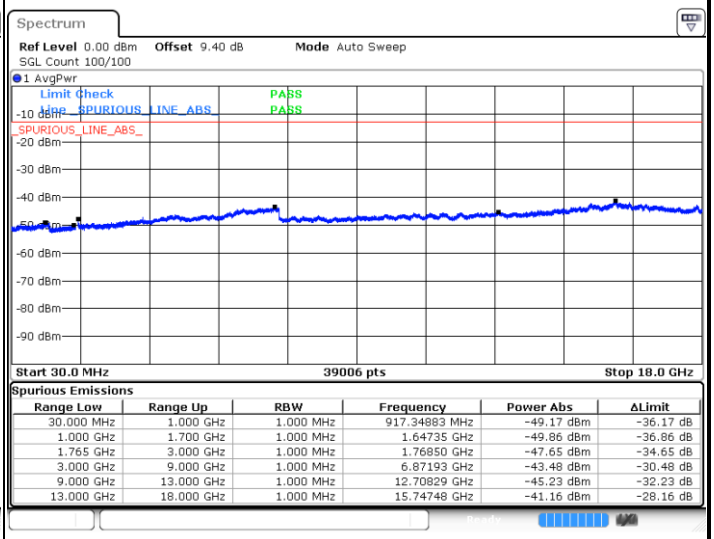


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-49.17 dBm	-36.17 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-49.94 dBm	-36.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76809 GHz	-47.54 dBm	-34.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86993 GHz	-43.53 dBm	-30.53 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69429 GHz	-44.85 dBm	-31.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71707 GHz	-41.28 dBm	-28.28 dB

Date: 1.NOV.2019 17:27:01

Middle Channel / 16QAM

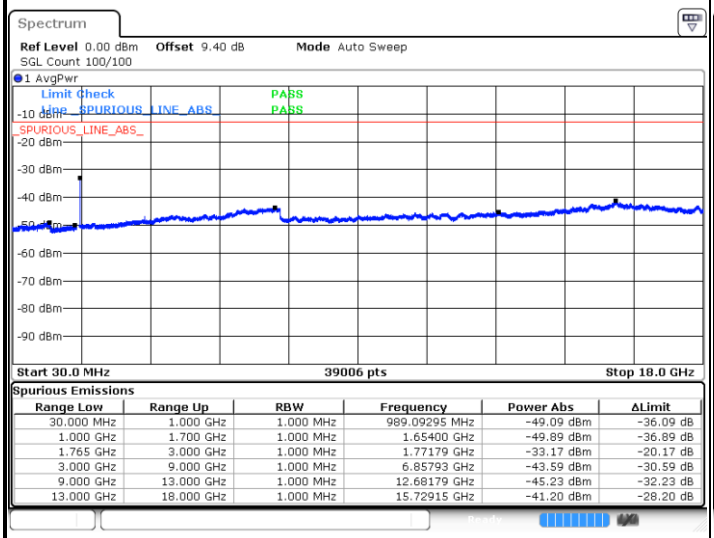


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-49.17 dBm	-36.17 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64735 GHz	-49.86 dBm	-36.86 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76850 GHz	-47.65 dBm	-34.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87193 GHz	-43.48 dBm	-30.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-45.23 dBm	-32.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74748 GHz	-41.16 dBm	-28.16 dB

Date: 1.NOV.2019 17:27:56

Highest Channel / QPSK

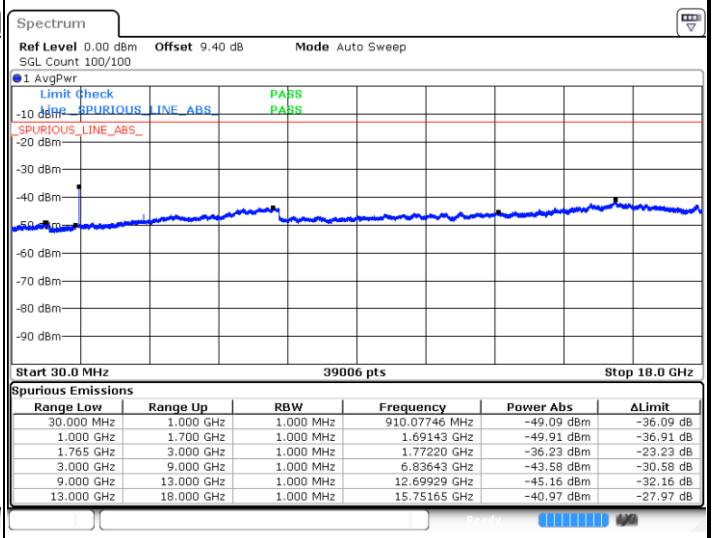


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-49.09 dBm	-36.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65400 GHz	-49.89 dBm	-36.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-33.17 dBm	-20.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85793 GHz	-43.59 dBm	-30.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68179 GHz	-45.23 dBm	-32.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72915 GHz	-41.20 dBm	-28.20 dB

Date: 1.NOV.2019 17:34:00

Highest Channel / 16QAM



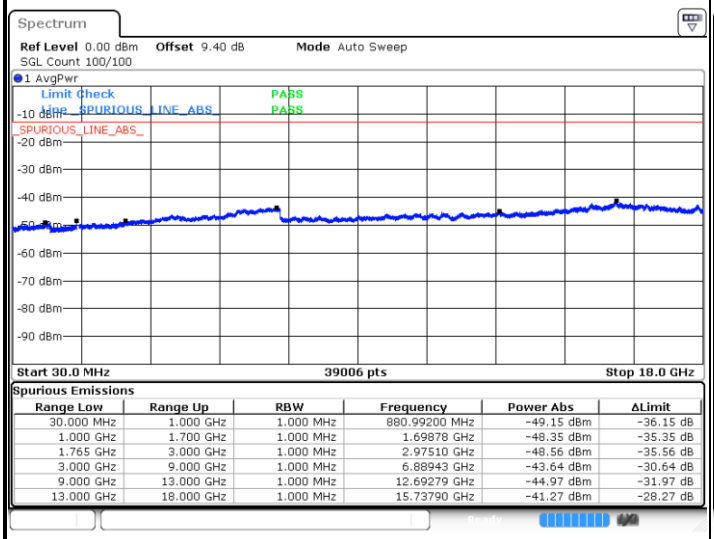
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.07746 MHz	-49.09 dBm	-36.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69143 GHz	-49.91 dBm	-36.91 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-36.23 dBm	-23.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83643 GHz	-43.58 dBm	-30.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69929 GHz	-45.16 dBm	-32.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75165 GHz	-40.97 dBm	-27.97 dB

Date: 1.NOV.2019 17:34:54

LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM

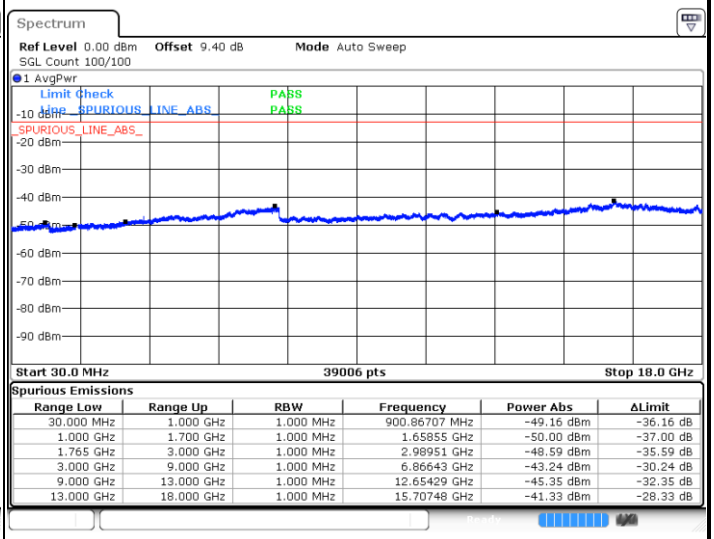


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.99200 MHz	-49.15 dBm	-36.15 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-48.35 dBm	-35.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97510 GHz	-48.56 dBm	-35.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88943 GHz	-43.64 dBm	-30.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69279 GHz	-44.97 dBm	-31.97 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73790 GHz	-41.27 dBm	-28.27 dB

Date: 1.NOV.2019 17:38:24

Middle Channel / 64QAM

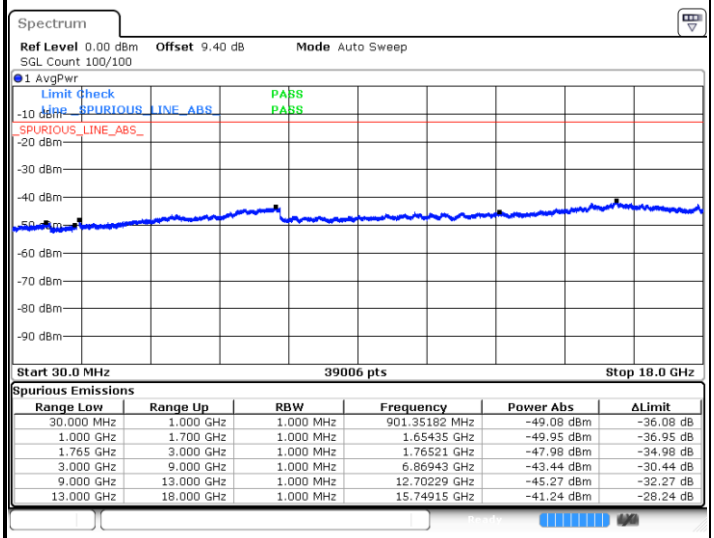


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-49.16 dBm	-36.16 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65855 GHz	-50.00 dBm	-37.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98951 GHz	-48.59 dBm	-35.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86643 GHz	-43.24 dBm	-30.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65429 GHz	-45.35 dBm	-32.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.70748 GHz	-41.33 dBm	-28.33 dB

Date: 1.NOV.2019 17:39:38

Highest Channel / 64QAM



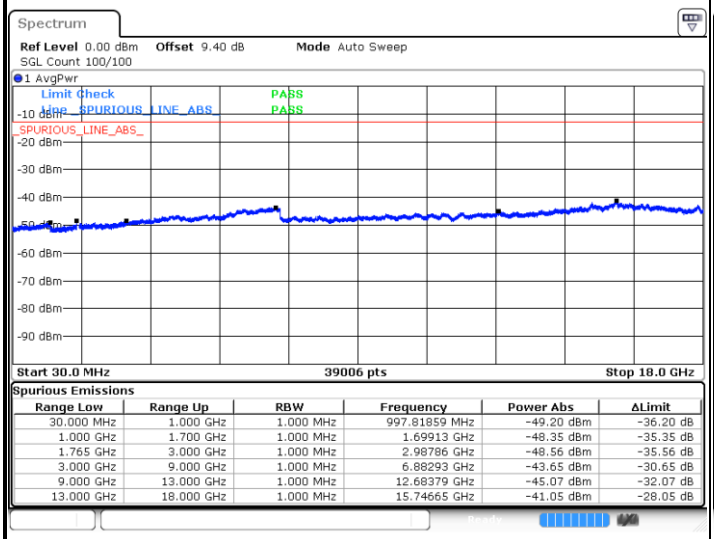
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-49.08 dBm	-36.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65435 GHz	-49.95 dBm	-36.95 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76521 GHz	-47.98 dBm	-34.98 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86943 GHz	-43.44 dBm	-30.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-45.27 dBm	-32.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74915 GHz	-41.24 dBm	-28.24 dB

Date: 1.NOV.2019 17:43:08

LTE Band 4 / 3MHz

Lowest Channel / 64QAM

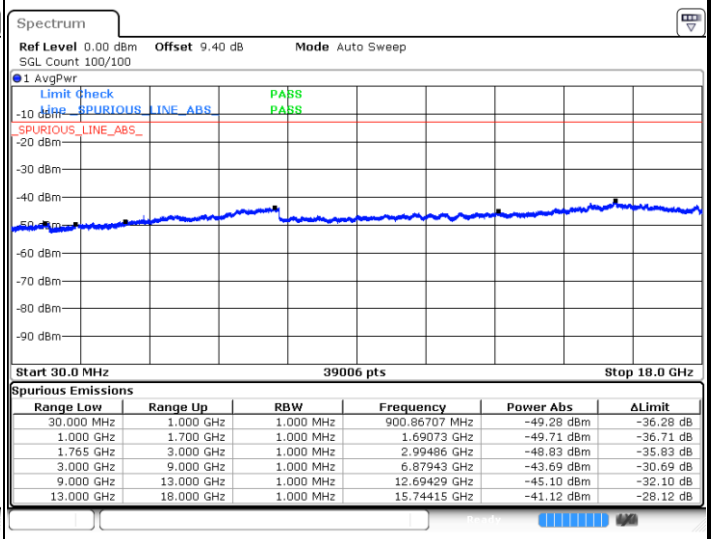


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-49.20 dBm	-36.20 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-48.35 dBm	-35.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98786 GHz	-48.56 dBm	-35.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88293 GHz	-43.65 dBm	-30.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68379 GHz	-45.07 dBm	-32.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74665 GHz	-41.05 dBm	-28.05 dB

Date: 1.NOV.2019 17:46:37

Middle Channel / 64QAM

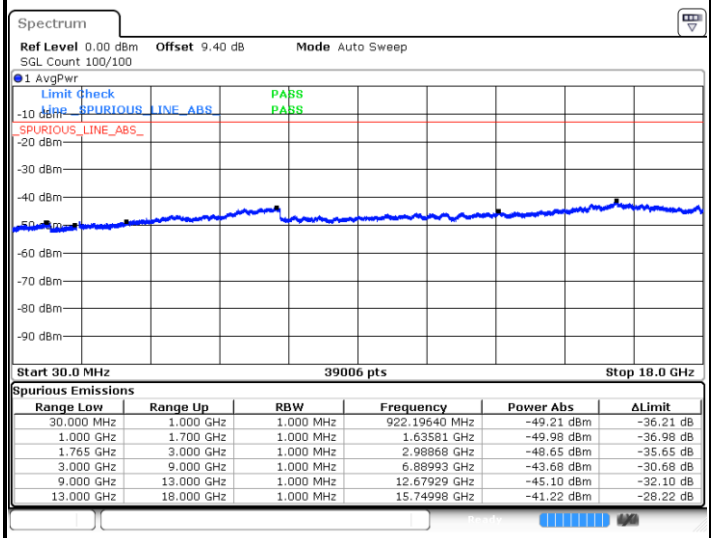


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-49.28 dBm	-36.28 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69073 GHz	-49.71 dBm	-36.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99486 GHz	-48.83 dBm	-35.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87943 GHz	-43.69 dBm	-30.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69429 GHz	-45.10 dBm	-32.10 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74415 GHz	-41.12 dBm	-28.12 dB

Date: 1.NOV.2019 17:47:52

Highest Channel / 64QAM



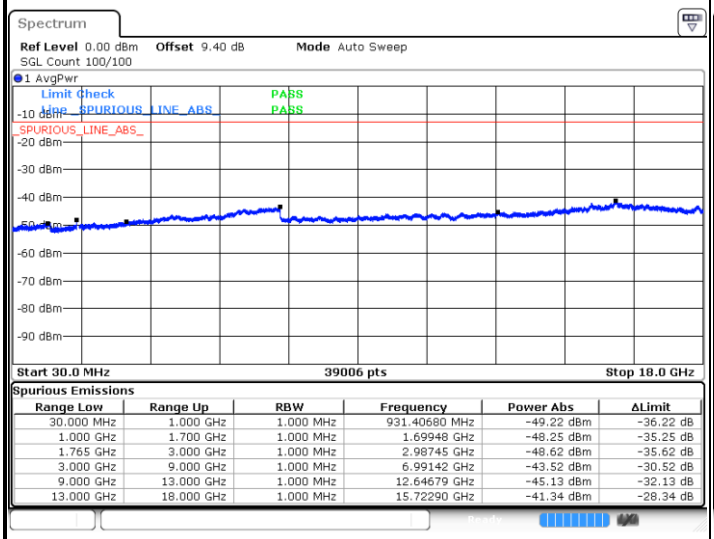
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.19640 MHz	-49.21 dBm	-36.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63581 GHz	-49.98 dBm	-36.98 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98868 GHz	-48.65 dBm	-35.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88993 GHz	-43.68 dBm	-30.68 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67929 GHz	-45.10 dBm	-32.10 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74998 GHz	-41.22 dBm	-28.22 dB

Date: 1.NOV.2019 17:51:21

LTE Band 4 / 5MHz

Lowest Channel / 64QAM

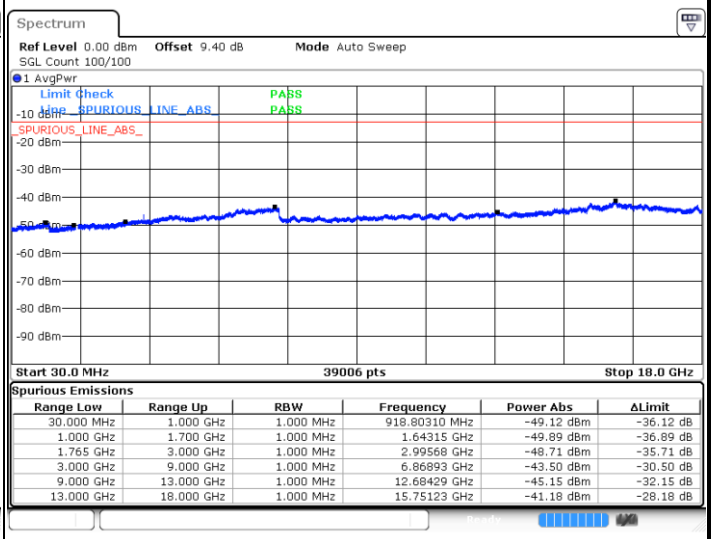


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.40680 MHz	-49.22 dBm	-36.22 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-48.25 dBm	-35.25 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98745 GHz	-48.62 dBm	-35.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99142 GHz	-43.52 dBm	-30.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64679 GHz	-45.13 dBm	-32.13 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72290 GHz	-41.34 dBm	-28.34 dB

Date: 1.NOV.2019 17:54:50

Middle Channel / 64QAM

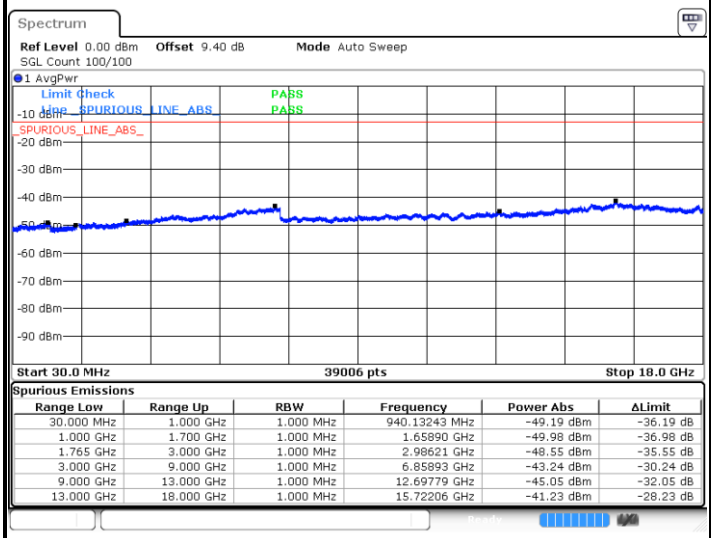


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.80310 MHz	-49.12 dBm	-36.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64315 GHz	-49.89 dBm	-36.89 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99568 GHz	-48.71 dBm	-35.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86893 GHz	-43.50 dBm	-30.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68429 GHz	-45.15 dBm	-32.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75123 GHz	-41.18 dBm	-28.18 dB

Date: 1.NOV.2019 17:56:06

Highest Channel / 64QAM



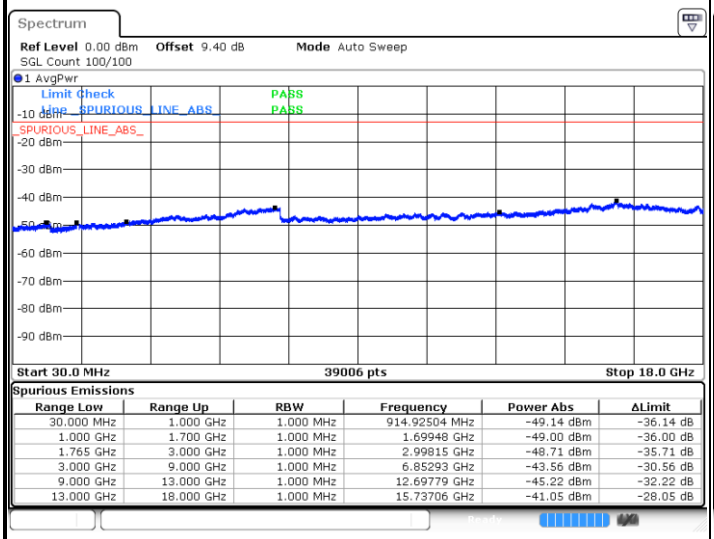
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	940.13243 MHz	-49.19 dBm	-36.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65890 GHz	-49.98 dBm	-36.98 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98621 GHz	-48.55 dBm	-35.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85893 GHz	-43.24 dBm	-30.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-45.05 dBm	-32.05 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72206 GHz	-41.23 dBm	-28.23 dB

Date: 1.NOV.2019 17:59:35

LTE Band 4 / 10MHz

Lowest Channel / 64QAM

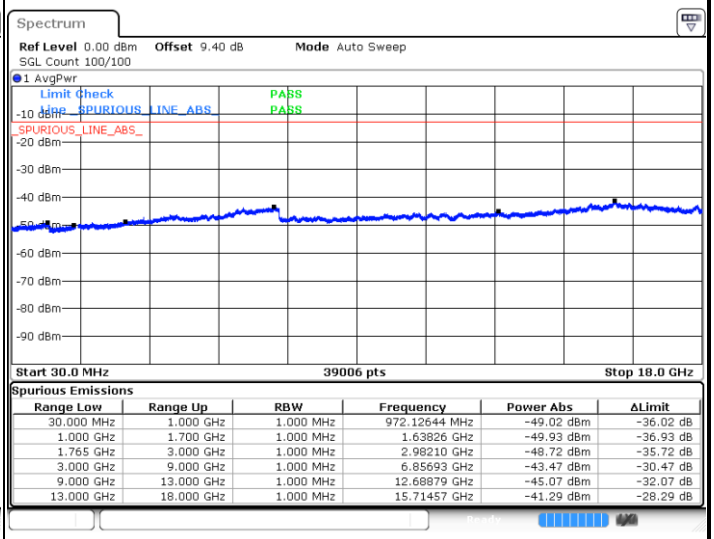


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-49.14 dBm	-36.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-49.00 dBm	-36.00 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99815 GHz	-48.71 dBm	-35.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85293 GHz	-43.56 dBm	-30.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-45.22 dBm	-32.22 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73706 GHz	-41.05 dBm	-28.05 dB

Date: 1.NOV.2019 18:03:04

Middle Channel / 64QAM

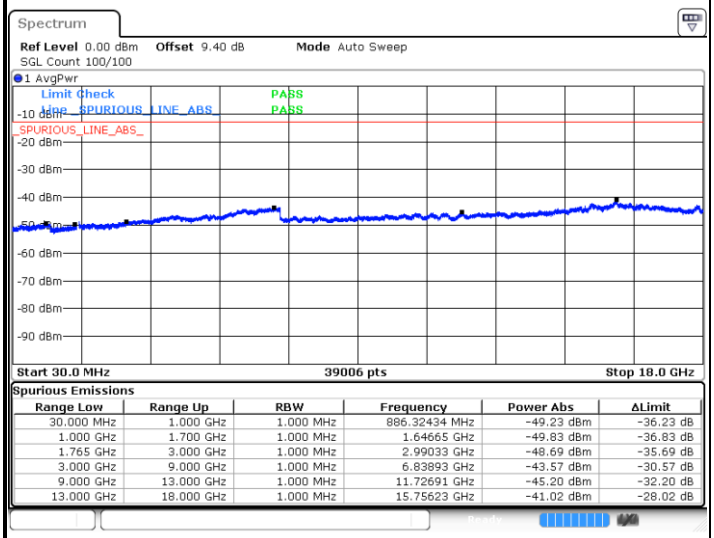


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-49.02 dBm	-36.02 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63826 GHz	-49.93 dBm	-36.93 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98210 GHz	-48.72 dBm	-35.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85693 GHz	-43.47 dBm	-30.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68879 GHz	-45.07 dBm	-32.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71457 GHz	-41.29 dBm	-28.29 dB

Date: 1.NOV.2019 18:04:18

Highest Channel / 64QAM



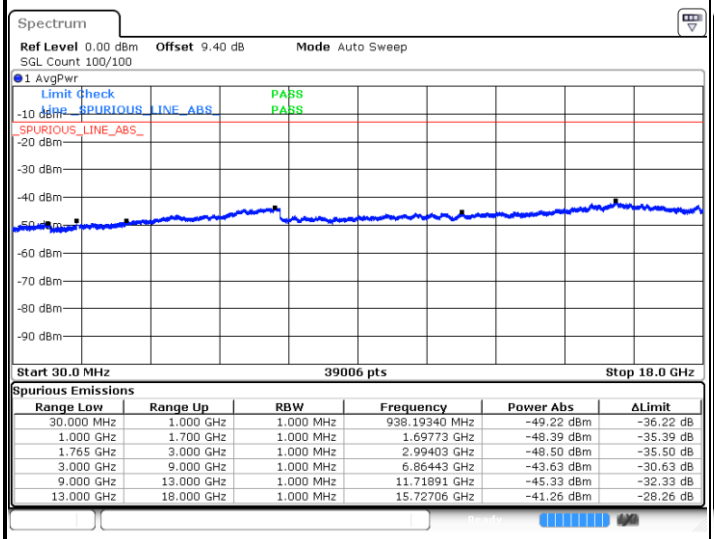
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.32434 MHz	-49.23 dBm	-36.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64665 GHz	-49.83 dBm	-36.83 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99033 GHz	-48.69 dBm	-35.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83893 GHz	-43.57 dBm	-30.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.72691 GHz	-45.20 dBm	-32.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75623 GHz	-41.02 dBm	-28.02 dB

Date: 1.NOV.2019 18:07:47

LTE Band 4 / 15MHz

Lowest Channel / 64QAM

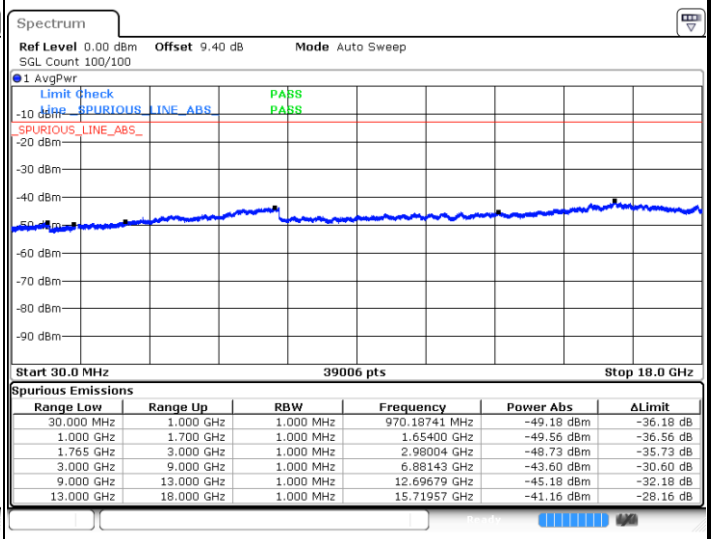


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-49.22 dBm	-36.22 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-48.39 dBm	-35.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99403 GHz	-48.50 dBm	-35.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86443 GHz	-43.63 dBm	-30.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.71891 GHz	-45.33 dBm	-32.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72706 GHz	-41.26 dBm	-28.26 dB

Date: 1.NOV.2019 18:11:17

Middle Channel / 64QAM

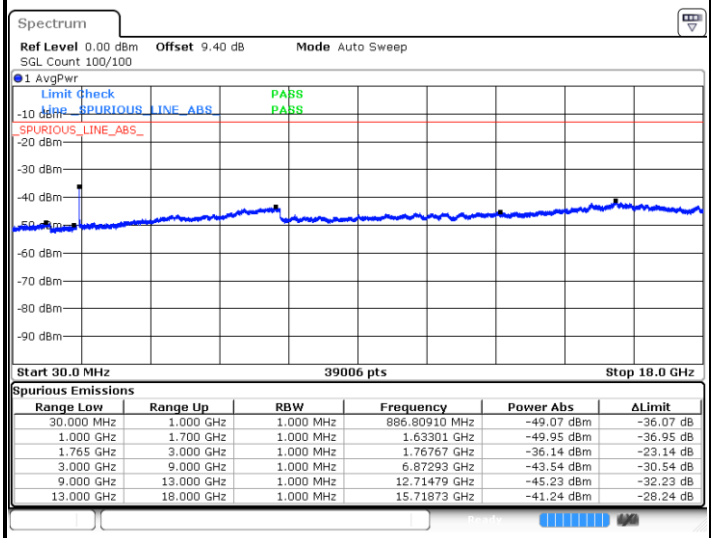


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.18741 MHz	-49.18 dBm	-36.18 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65400 GHz	-49.56 dBm	-36.56 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98004 GHz	-48.73 dBm	-35.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88143 GHz	-43.60 dBm	-30.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-45.18 dBm	-32.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71957 GHz	-41.16 dBm	-28.16 dB

Date: 1.NOV.2019 18:12:31

Highest Channel / 64QAM



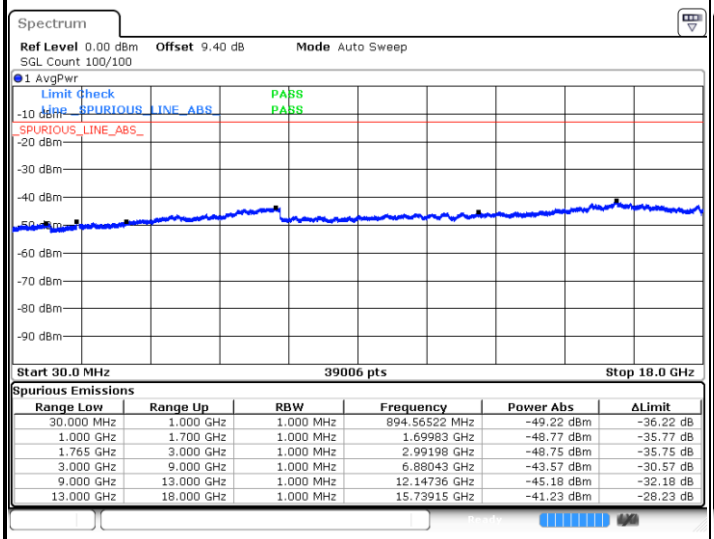
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-49.07 dBm	-36.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63301 GHz	-49.95 dBm	-36.95 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-36.14 dBm	-23.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87293 GHz	-43.54 dBm	-30.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71479 GHz	-45.23 dBm	-32.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71873 GHz	-41.24 dBm	-28.24 dB

Date: 1.NOV.2019 18:16:00

LTE Band 4 / 20MHz

Lowest Channel / 64QAM

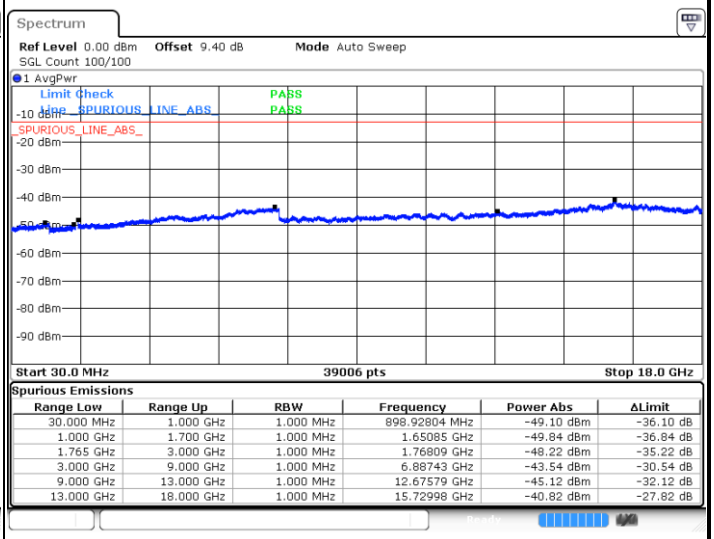


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-49.22 dBm	-36.22 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-48.77 dBm	-35.77 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99198 GHz	-48.75 dBm	-35.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88043 GHz	-43.57 dBm	-30.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.14736 GHz	-45.18 dBm	-32.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73915 GHz	-41.23 dBm	-28.23 dB

Date: 1.NOV.2019 18:19:29

Middle Channel / 64QAM

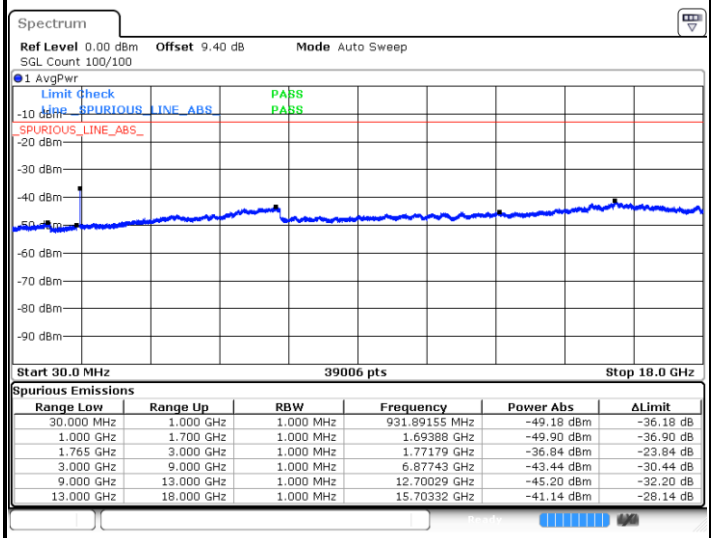


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.92804 MHz	-49.10 dBm	-36.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65085 GHz	-49.84 dBm	-36.84 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76809 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88743 GHz	-43.54 dBm	-30.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67579 GHz	-45.12 dBm	-32.12 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72998 GHz	-40.82 dBm	-27.82 dB

Date: 1.NOV.2019 18:20:44

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.89155 MHz	-49.18 dBm	-36.18 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-49.90 dBm	-36.90 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-36.84 dBm	-23.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87743 GHz	-43.44 dBm	-30.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70029 GHz	-45.20 dBm	-32.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.70332 GHz	-41.14 dBm	-28.14 dB

Date: 1.NOV.2019 18:24:13

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	0.0018	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

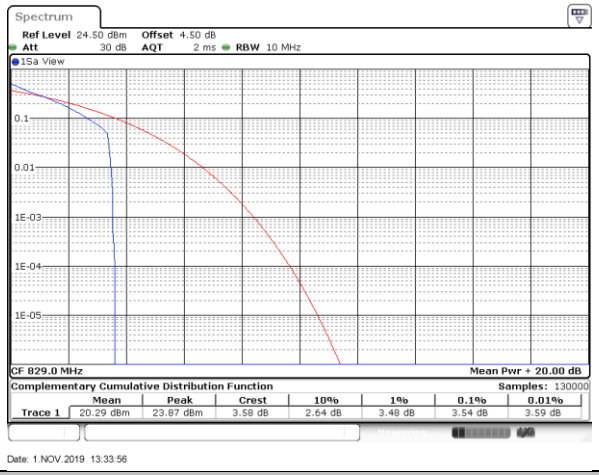
LTE Band 5

Peak-to-Average Ratio

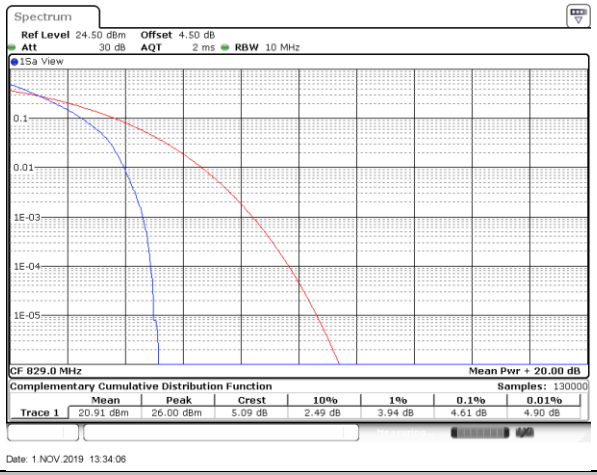
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.54	4.61	5.30	5.83	PASS
Middle CH	3.62	4.58	5.36	5.91	
Highest CH	3.59	4.75	4.96	6.00	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.30	5.86			PASS
Middle CH	5.30	5.86			
Highest CH	5.10	6.00			

LTE Band 5 / 10MHz / QPSK

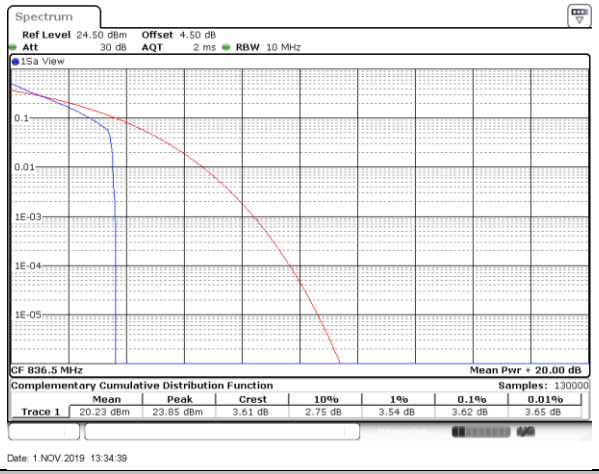
Lowest Channel / 1RB



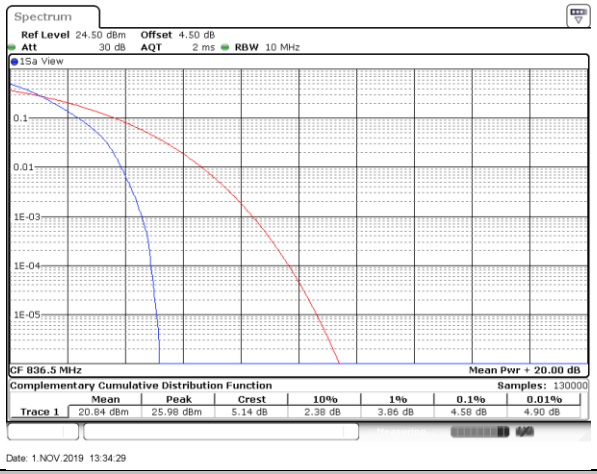
Lowest Channel / Full RB



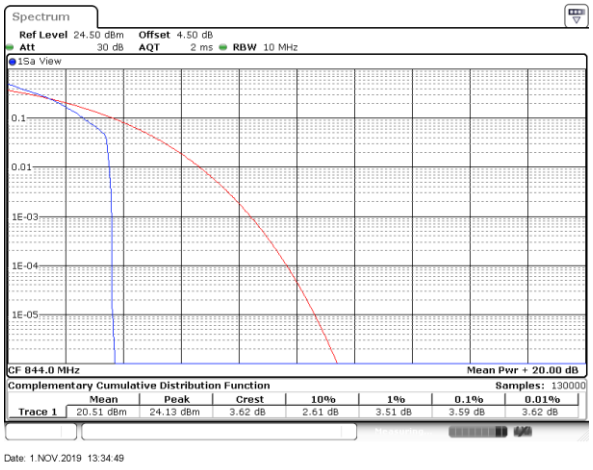
Middle Channel / 1RB



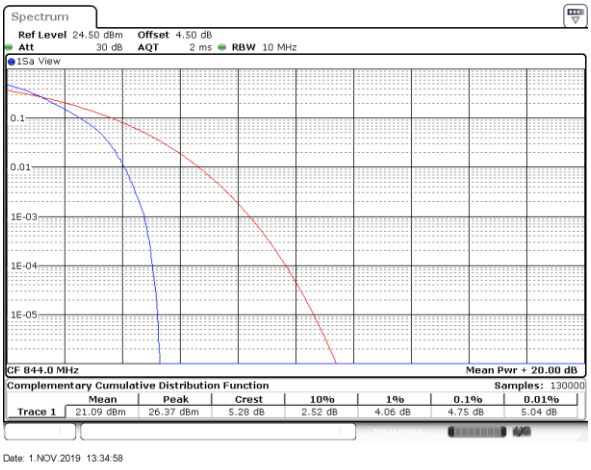
Middle Channel / Full RB



Highest Channel / 1RB

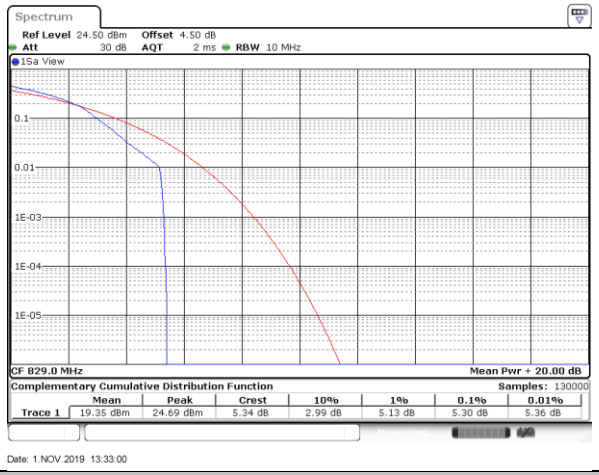


Highest Channel / Full RB

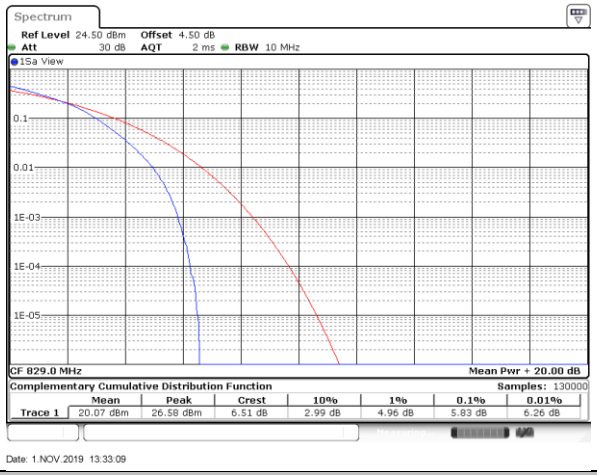


LTE Band 5 / 10MHz / 16QAM

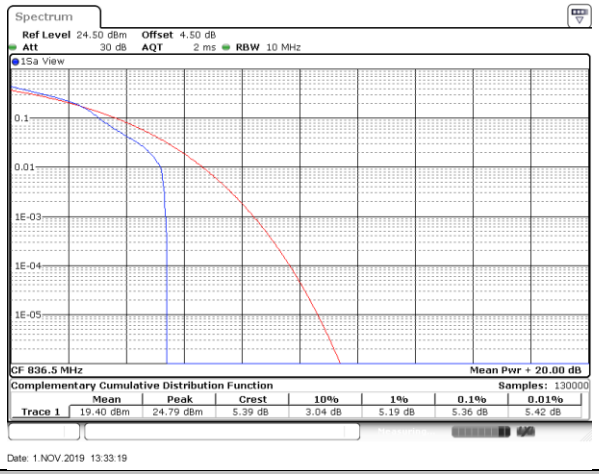
Lowest Channel / 1RB



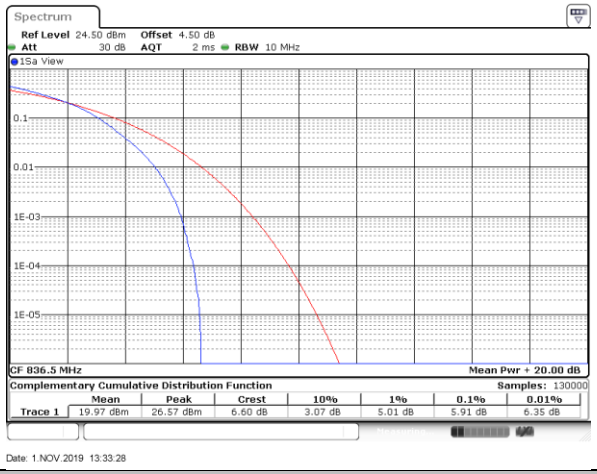
Lowest Channel / Full RB



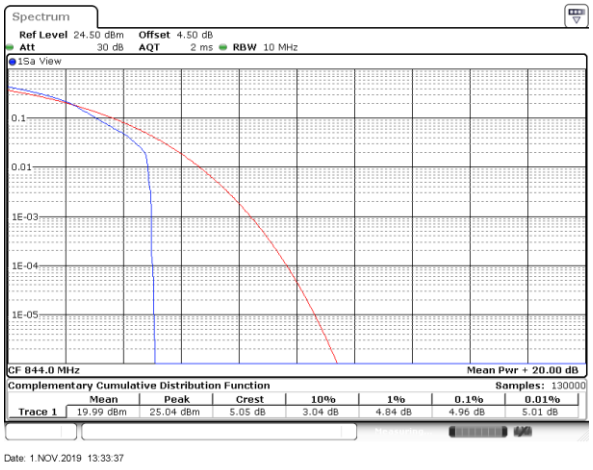
Middle Channel / 1RB



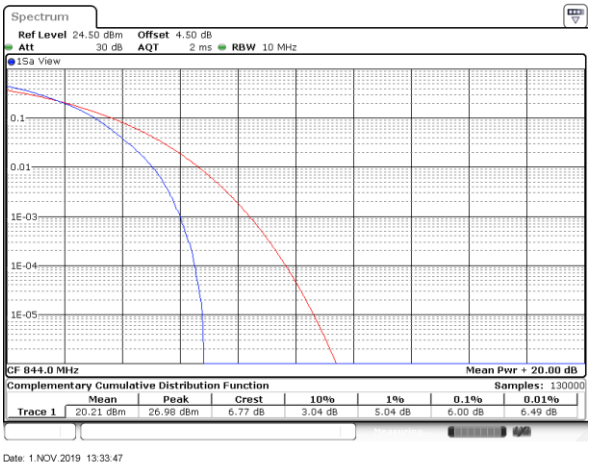
Middle Channel / Full RB



Highest Channel / 1RB

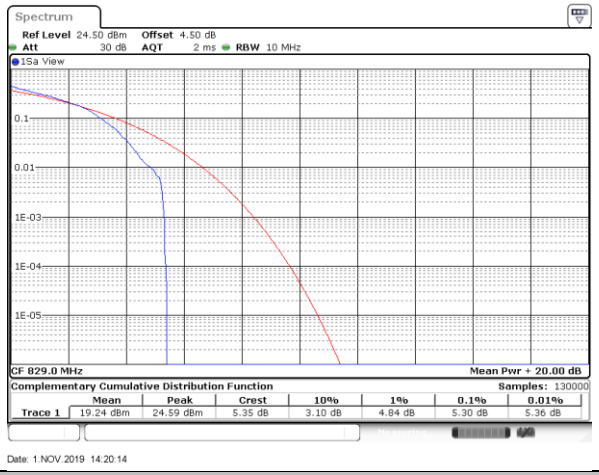


Highest Channel / Full RB

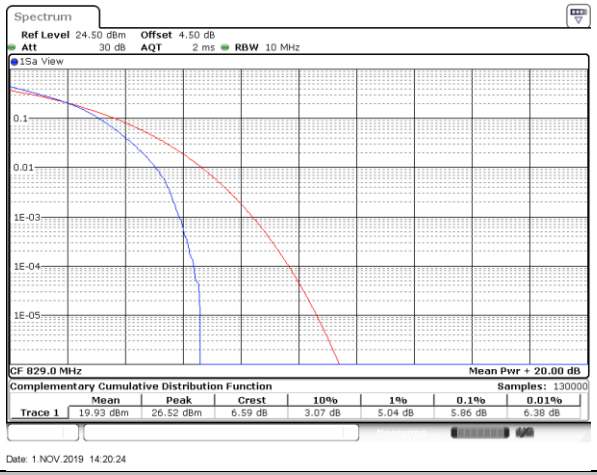


LTE Band 5 / 10MHz / 64QAM

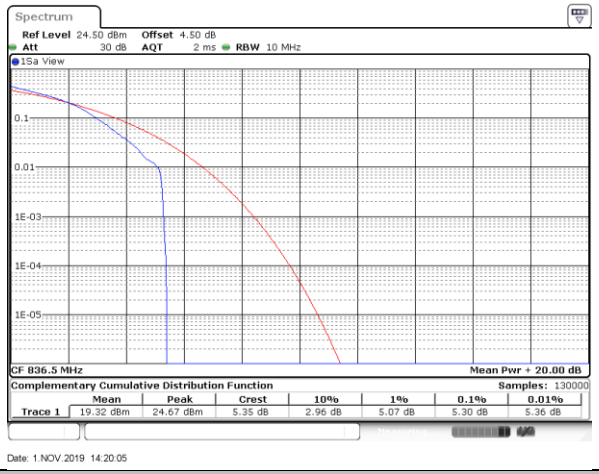
Lowest Channel / 1RB



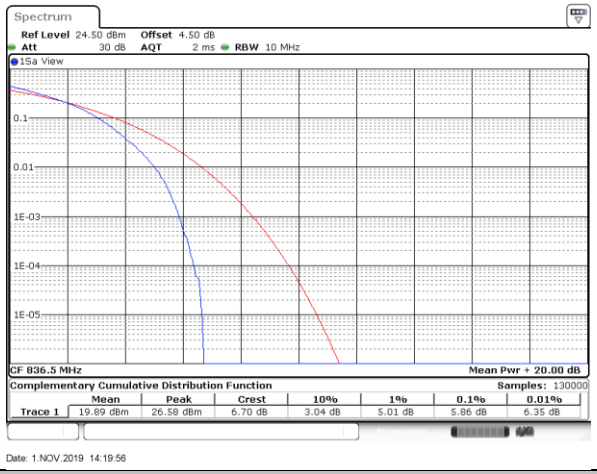
Lowest Channel / Full RB



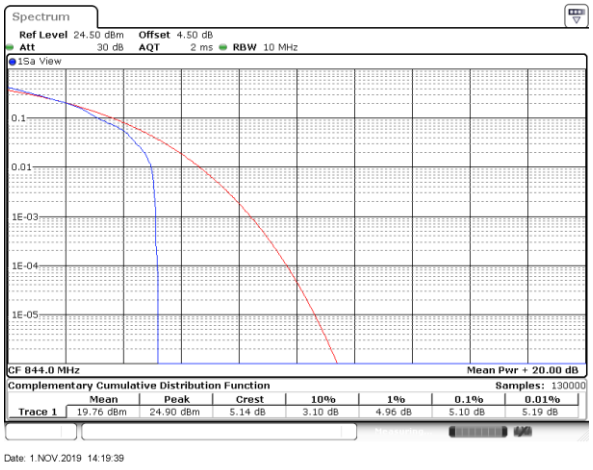
Middle Channel / 1RB



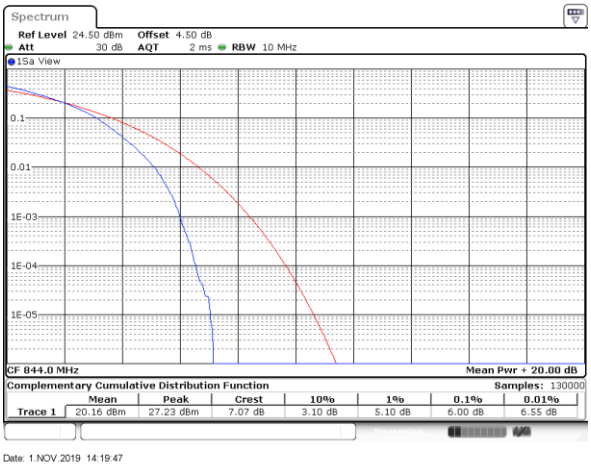
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



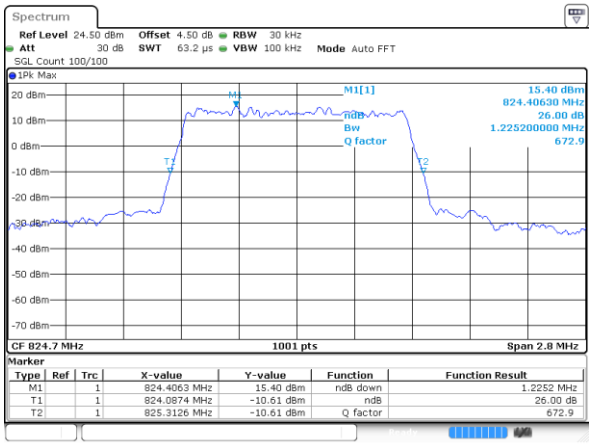
26dB Bandwidth

Mode	LTE Band 5 : 26dB BW(MHz)							
BW	1.4MHz		3MHz		5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.2252	1.228	3.0569	3.033	4.925	4.935	9.77	9.85
Middle CH	1.2364	1.2252	2.991	2.961	4.885	4.845	9.71	9.73
Highest CH	1.2252	1.2392	3.045	3.039	4.895	4.945	9.69	9.67

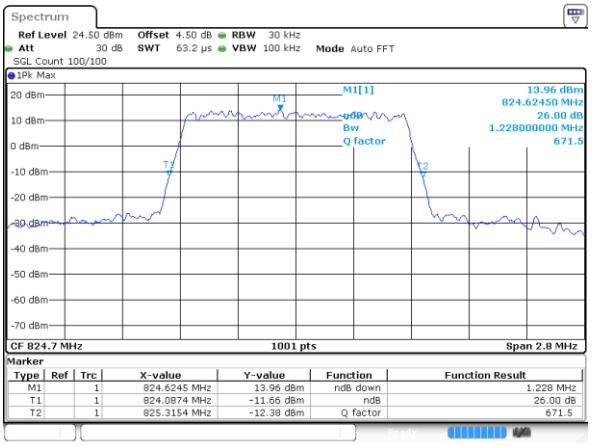
Mode	LTE Band 5 : 26dB BW(MHz)			
BW	1.4MHz	3MHz	5MHz	10MHz
Mod.	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.2336	3.0509	4.955	9.75
Middle CH	1.2224	3.003	4.885	9.79
Highest CH	1.2308	3.015	4.865	9.77

LTE Band 5

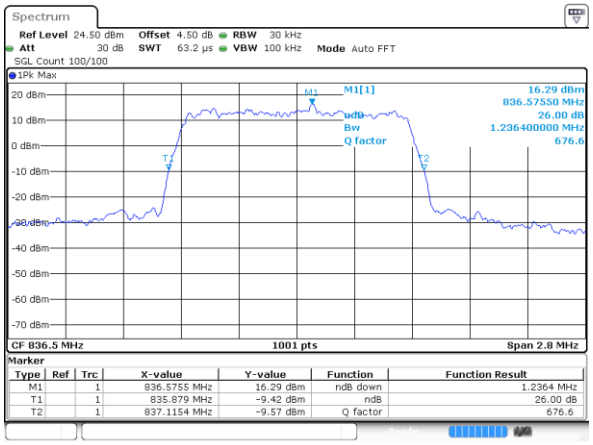
Lowest Channel / 1.4MHz / QPSK



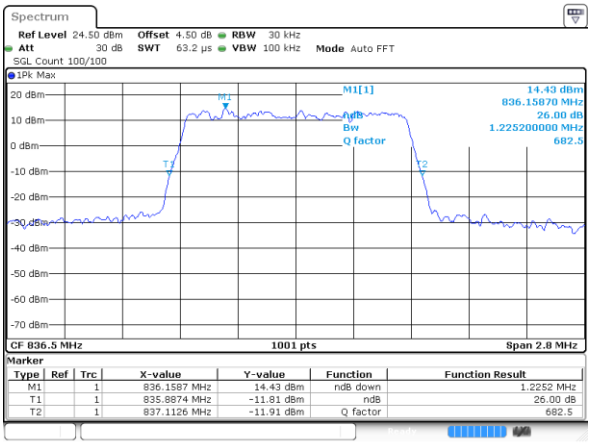
Lowest Channel / 1.4MHz / 16QAM



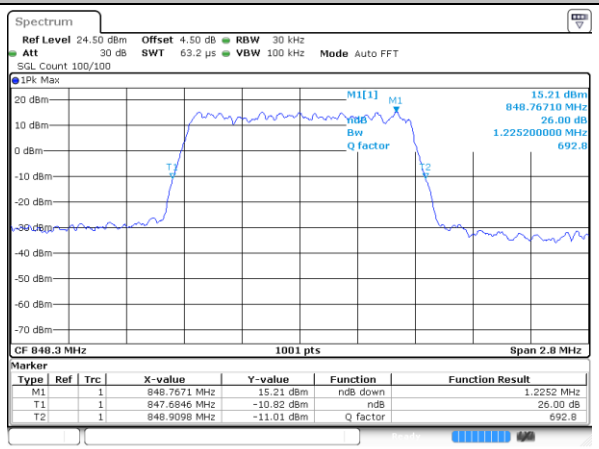
Middle Channel / 1.4MHz / QPSK



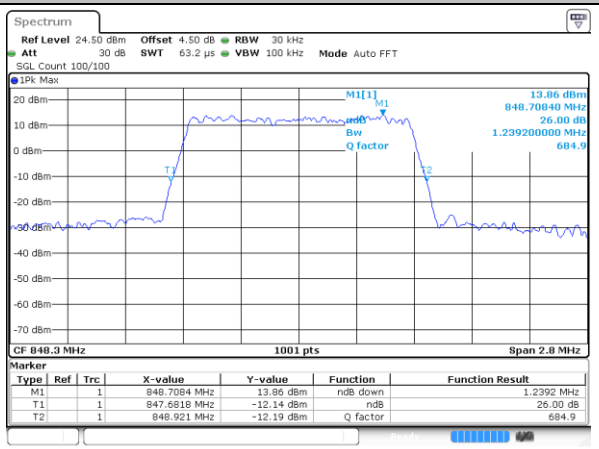
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

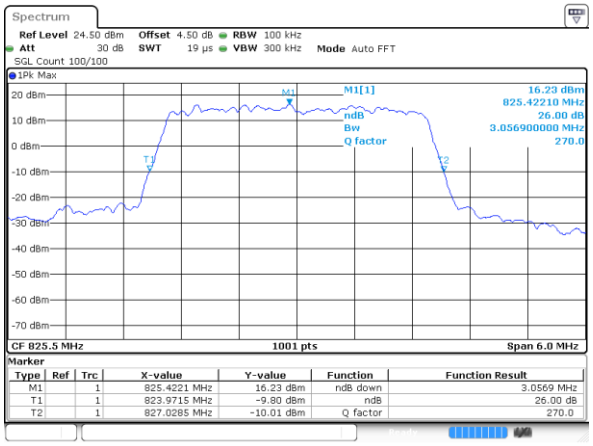


Highest Channel / 1.4MHz / 16QAM

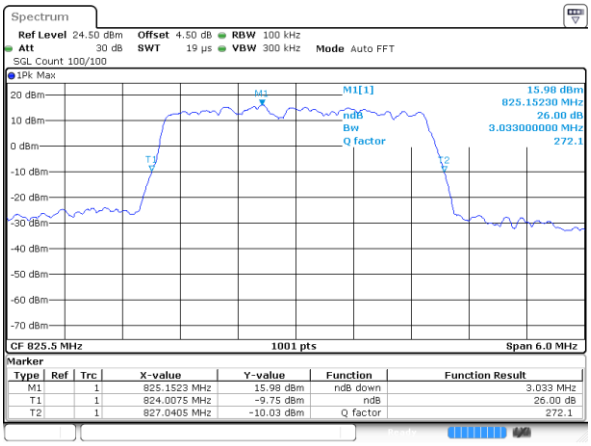


LTE Band 5

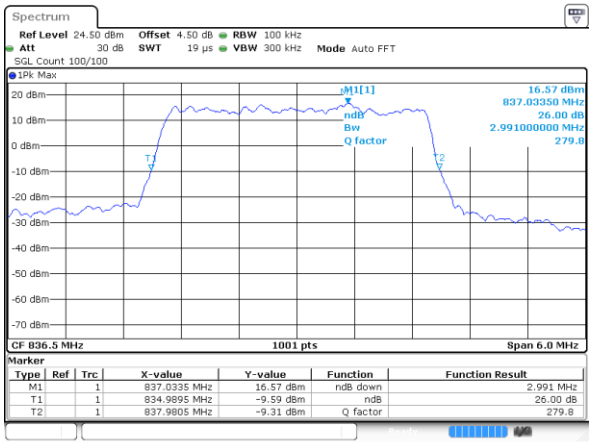
Lowest Channel / 3MHz / QPSK



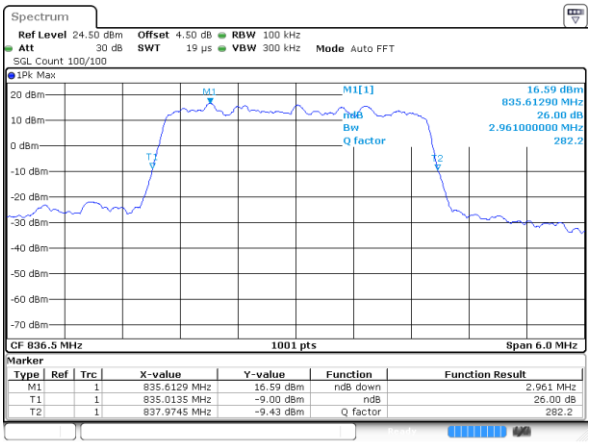
Lowest Channel / 3MHz / 16QAM



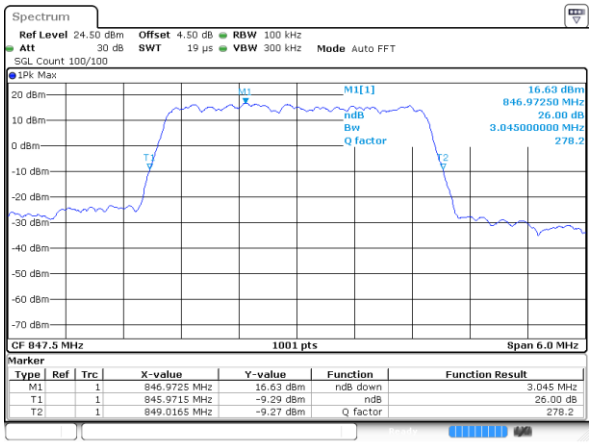
Middle Channel / 3MHz / QPSK



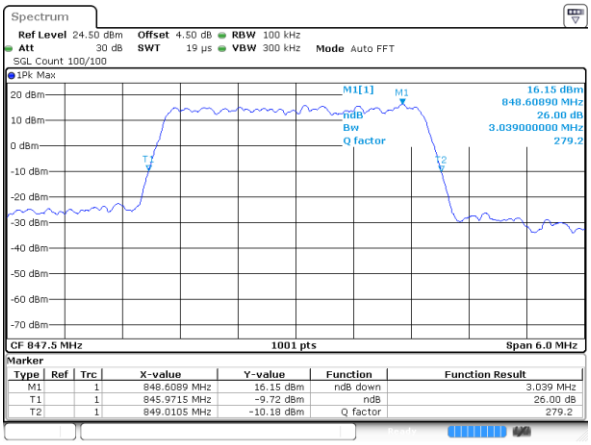
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

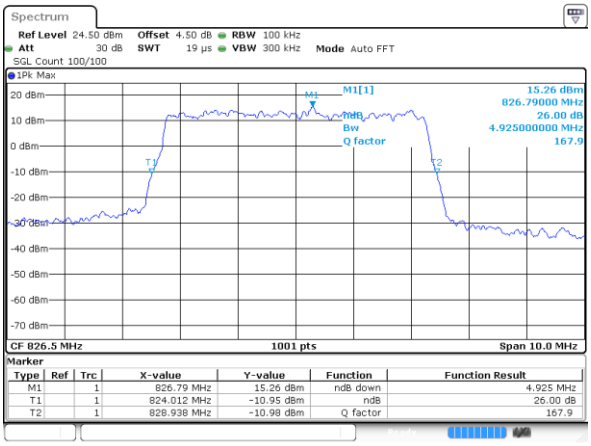


Highest Channel / 3MHz / 16QAM

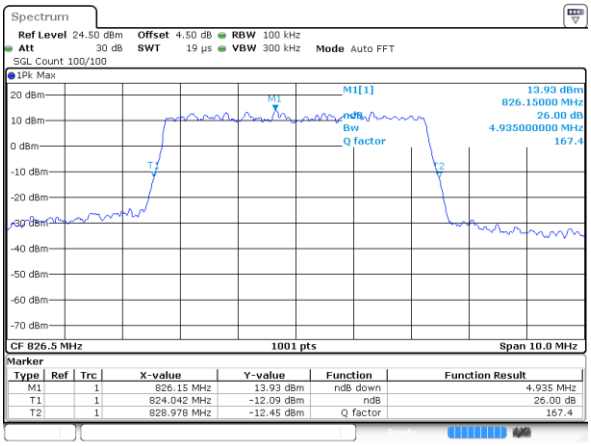


LTE Band 5

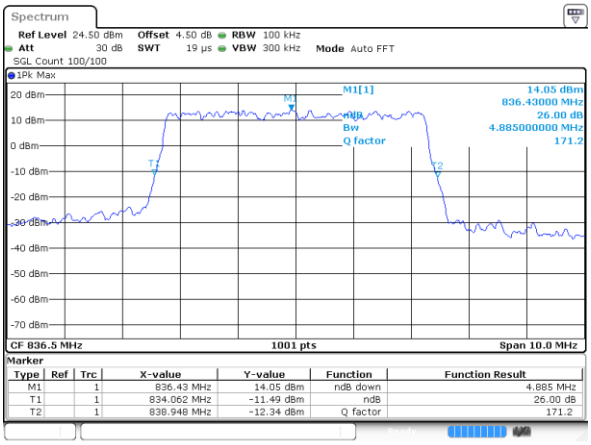
Lowest Channel / 5MHz / QPSK



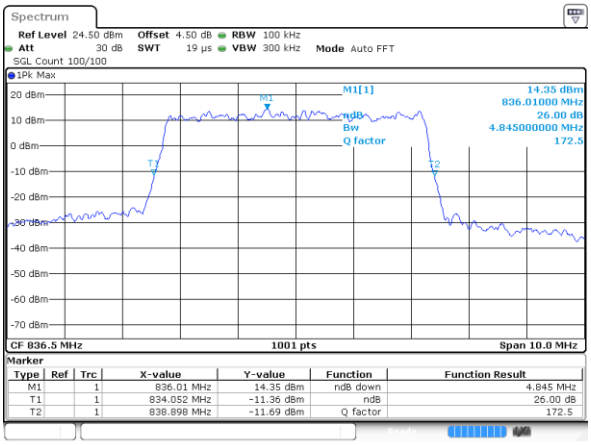
Lowest Channel / 5MHz / 16QAM



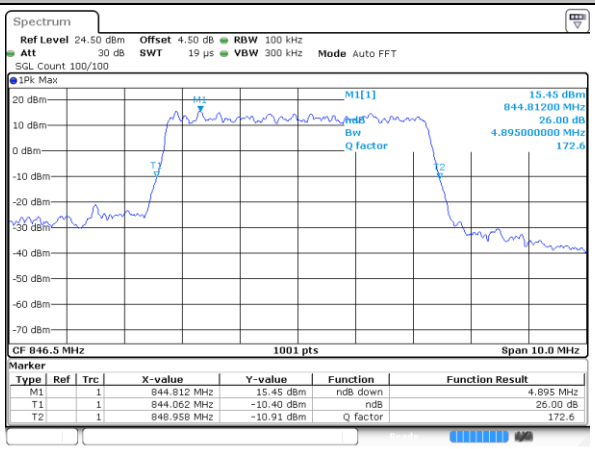
Middle Channel / 5MHz / QPSK



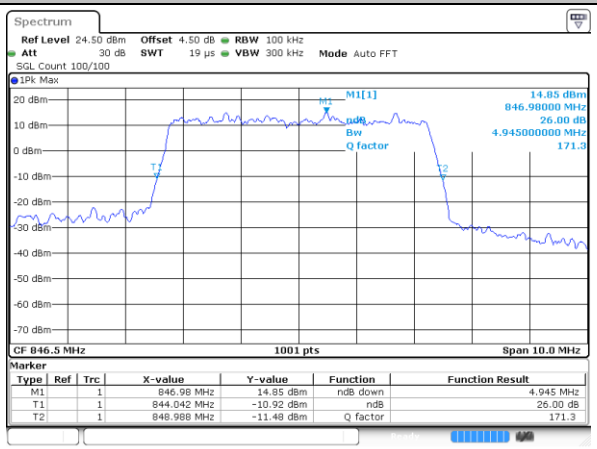
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

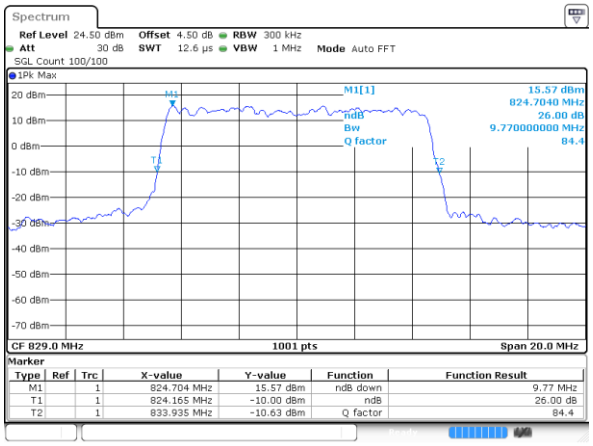


Highest Channel / 5MHz / 16QAM

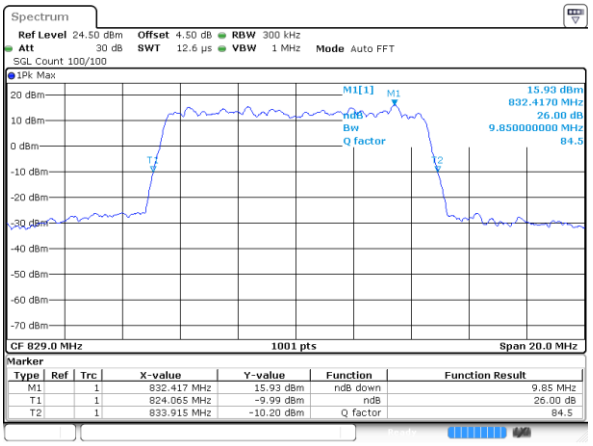


LTE Band 5

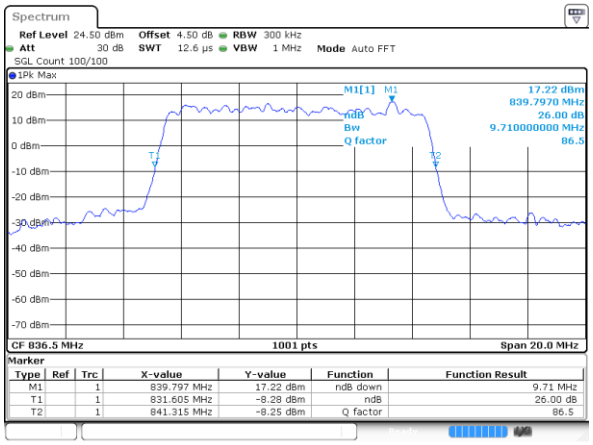
Lowest Channel / 10MHz / QPSK



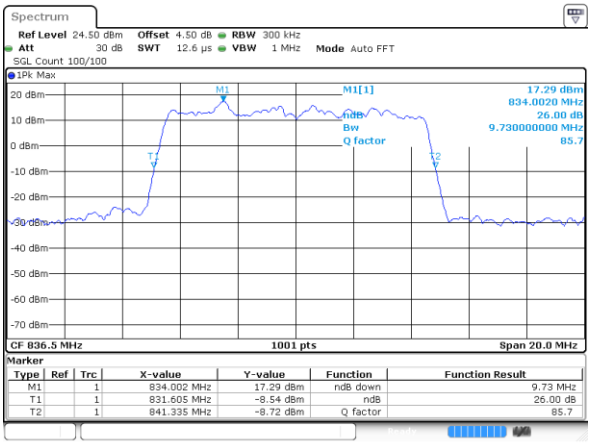
Lowest Channel / 10MHz / 16QAM



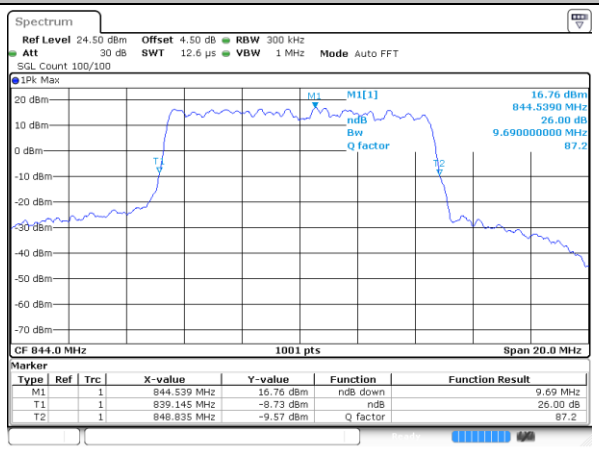
Middle Channel / 10MHz / QPSK



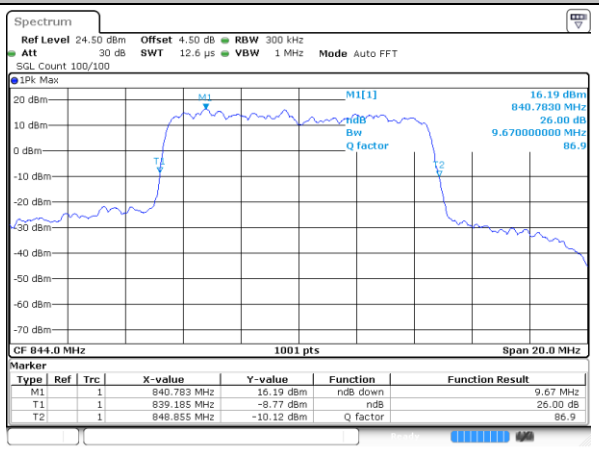
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

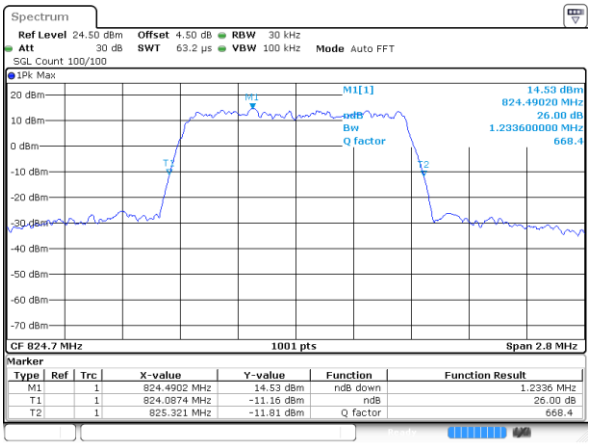


Highest Channel / 10MHz / 16QAM

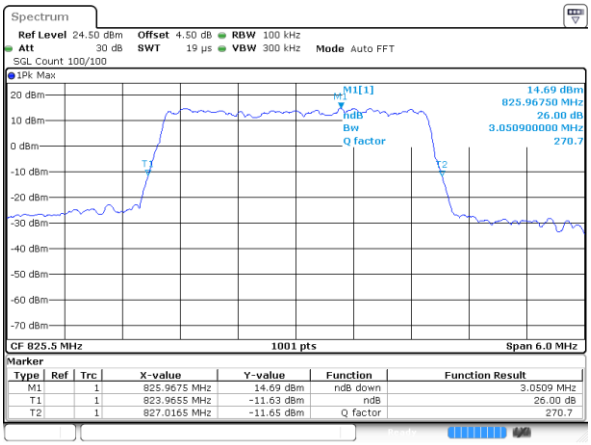


LTE Band 5

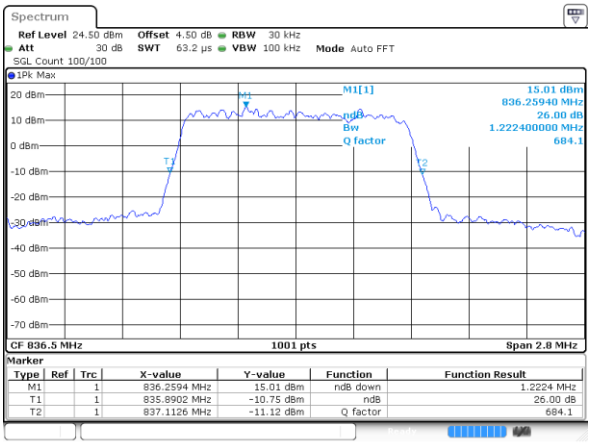
Lowest Channel / 1.4MHz / 64QAM



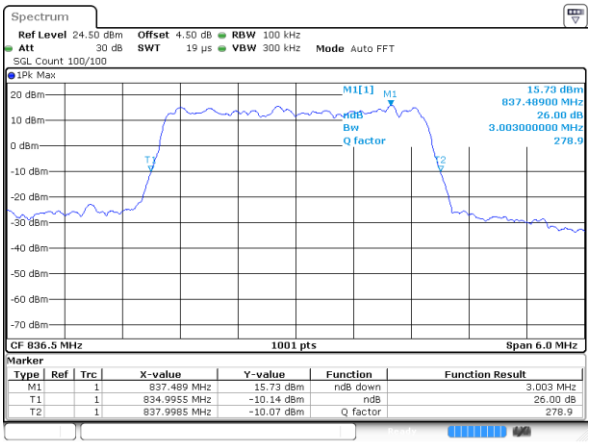
Lowest Channel / 3MHz / 64QAM



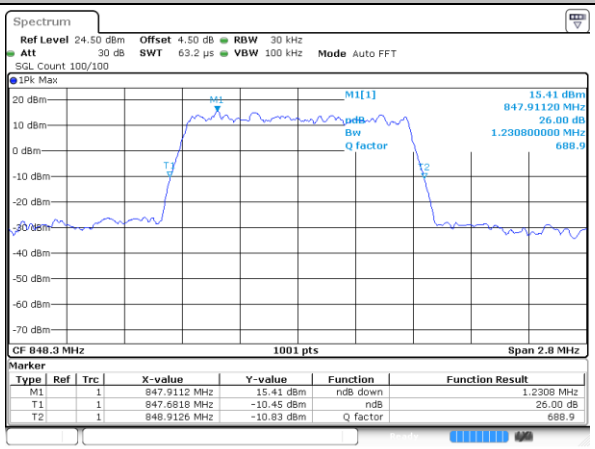
Middle Channel / 1.4MHz / 64QAM



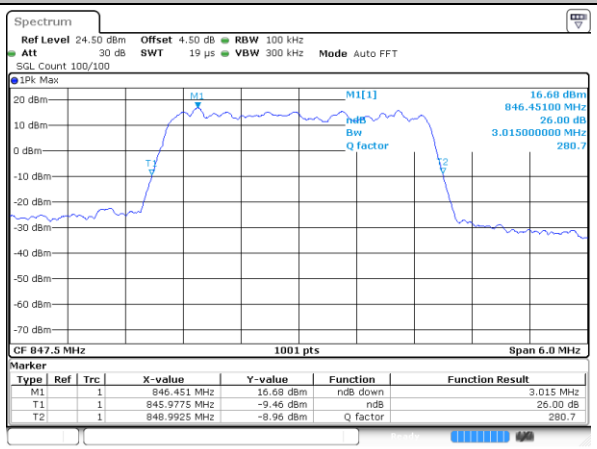
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

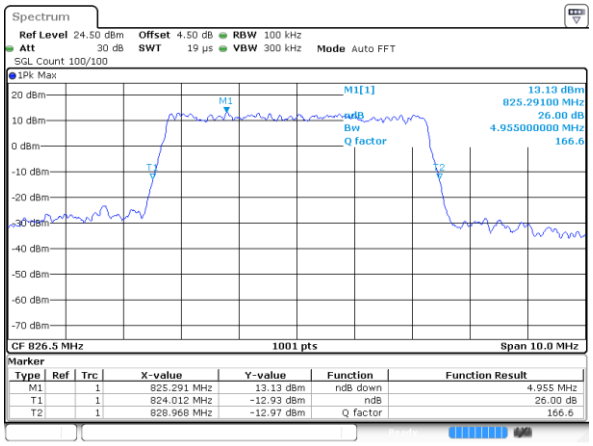


Highest Channel / 3MHz / 64QAM

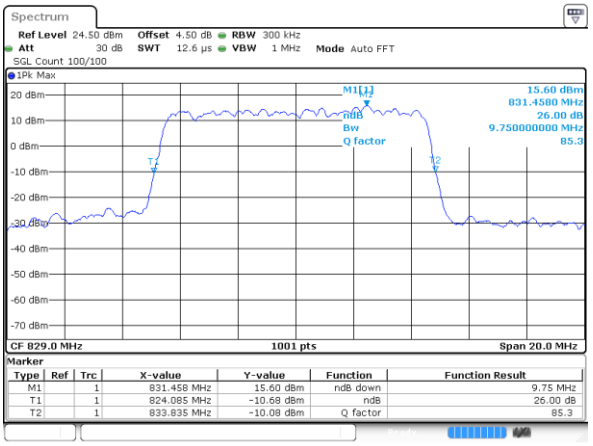


LTE Band 5

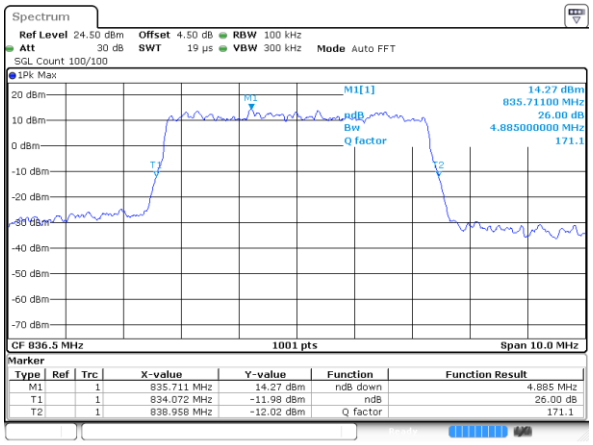
Lowest Channel / 5MHz / 64QAM



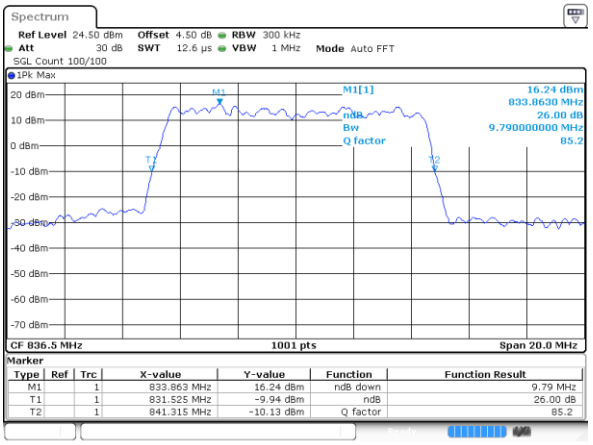
Lowest Channel / 10MHz / 64QAM



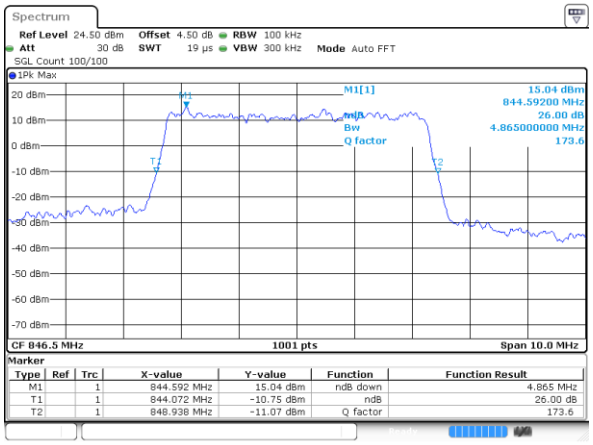
Middle Channel / 5MHz / 64QAM



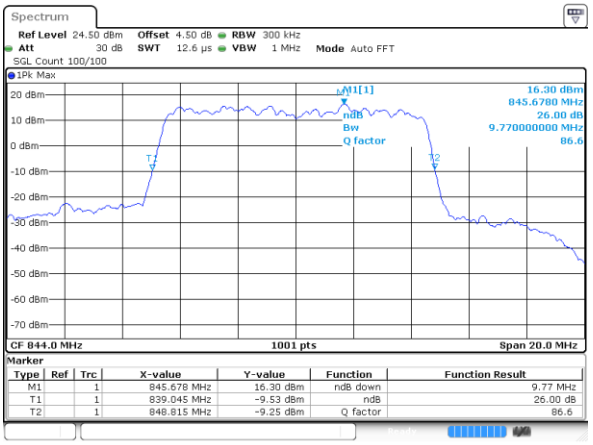
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM



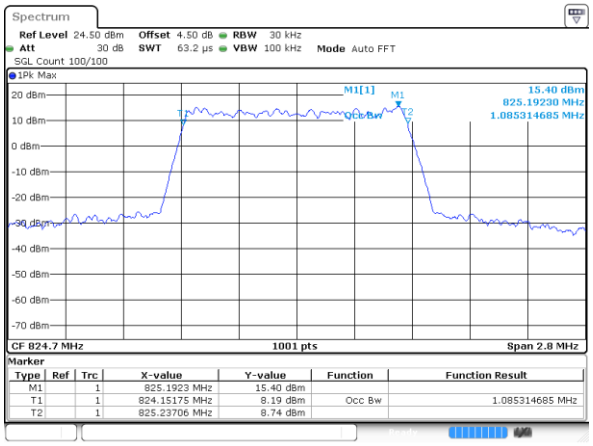
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)							
BW	1.4MHz		3MHz		5MHz		10MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.08	2.71	2.72	4.51	4.51	9.01	9.03
Middle CH	1.09	1.09	2.73	2.74	4.50	4.47	9.05	8.99
Highest CH	1.09	1.09	2.72	2.72	4.51	4.48	9.03	9.03

Mode	LTE Band 5 : 99%OBW(MHz)			
BW	1.4MHz	3MHz	5MHz	10MHz
Mod.	64QAM	64QAM	64QAM	64QAM
Lowest CH	1.09	2.73	4.48	9.01
Middle CH	1.09	2.73	4.51	9.07
Highest CH	1.09	2.73	4.49	9.01

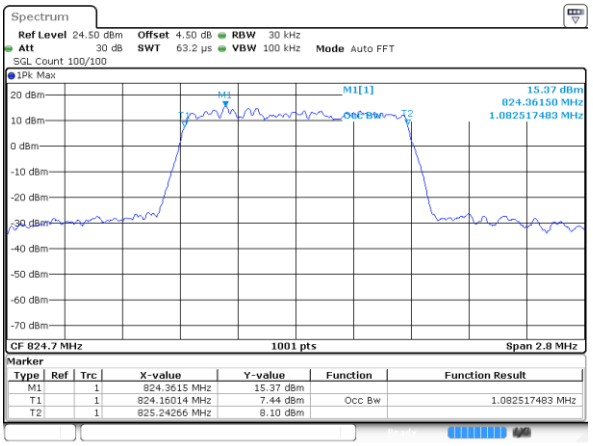
LTE Band 5

Lowest Channel / 1.4MHz / QPSK



Date: 1.NOV.2019 12:50:16

Lowest Channel / 1.4MHz / 16QAM



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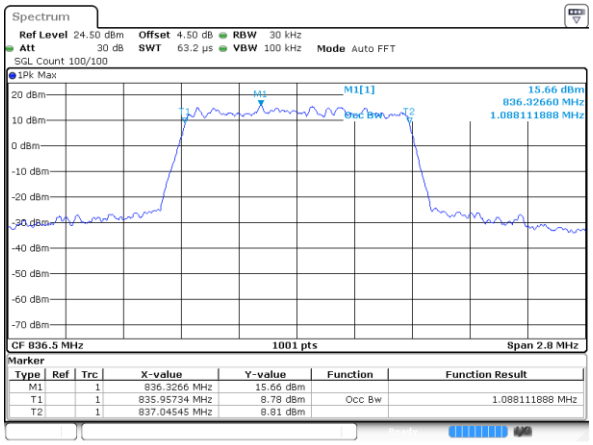
Middle Channel / 1.4MHz / QPSK



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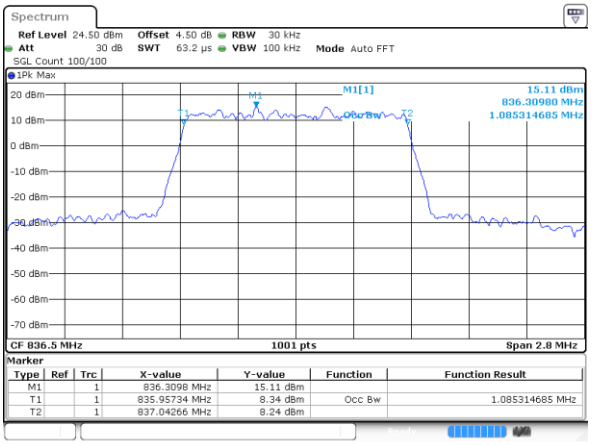
Middle Channel / 1.4MHz / 16QAM



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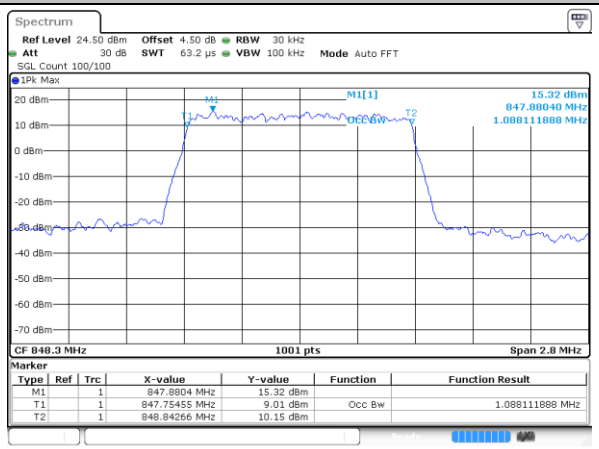
Highest Channel / 1.4MHz / QPSK



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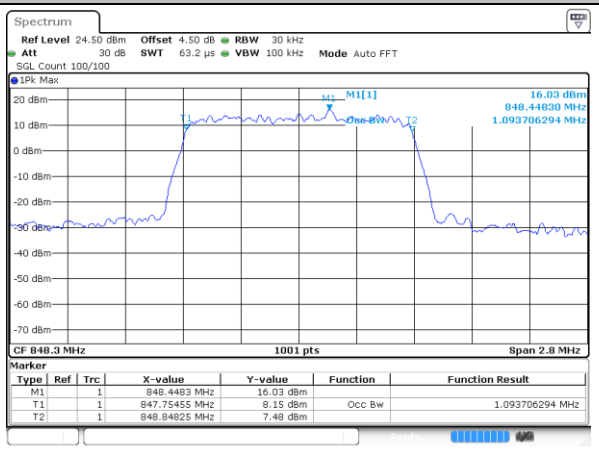
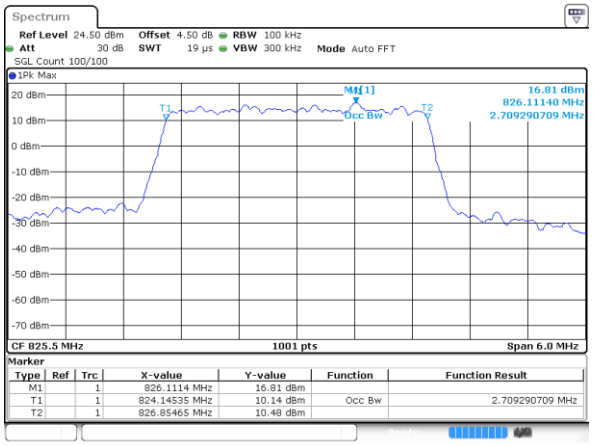
Highest Channel / 1.4MHz / 16QAM



Date: 1.NOV.2019 12:55:23

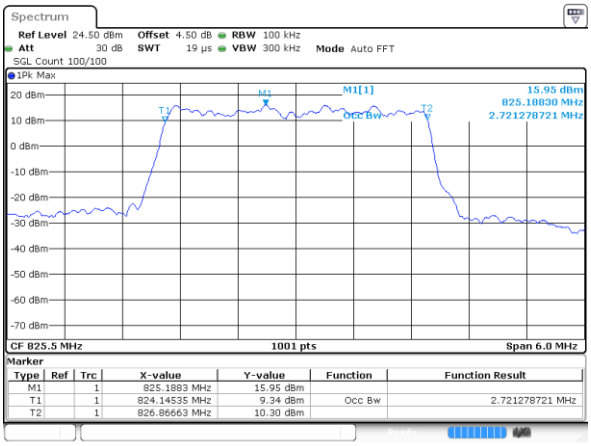
LTE Band 5

Lowest Channel / 3MHz / QPSK



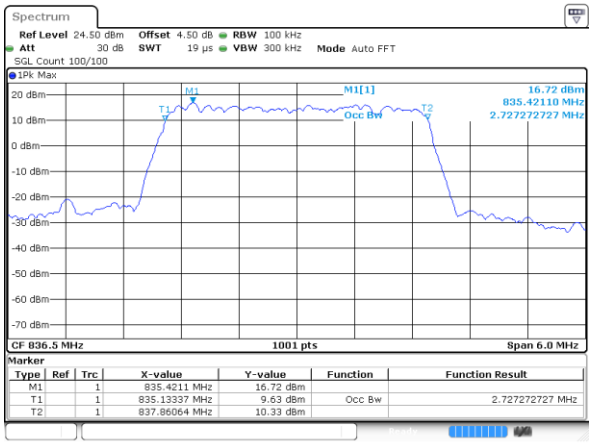
Date: 1.NOV.2019 12:57:41

Lowest Channel / 3MHz / 16QAM



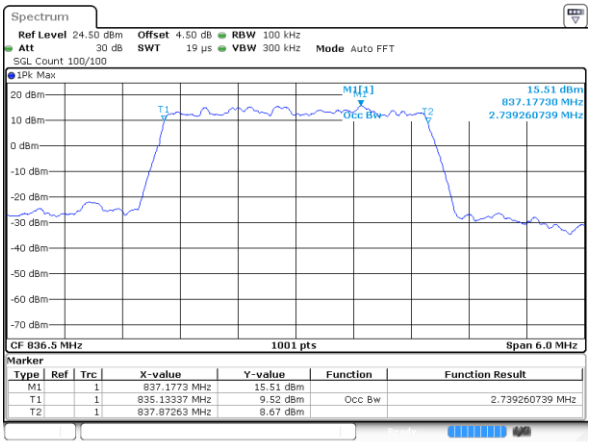
Date: 1.NOV.2019 12:57:51

Middle Channel / 3MHz / QPSK



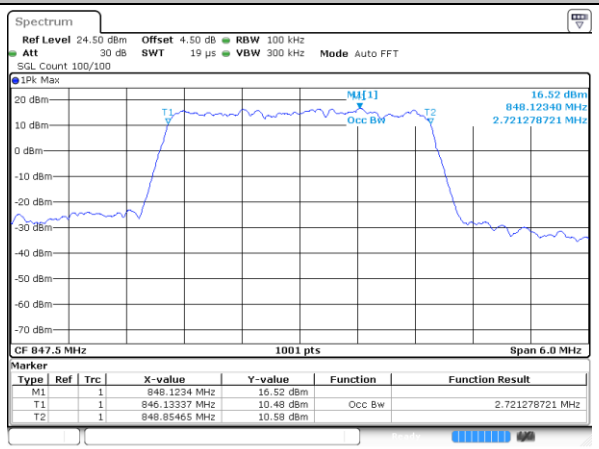
Date: 1.NOV.2019 13:00:09

Middle Channel / 3MHz / 16QAM



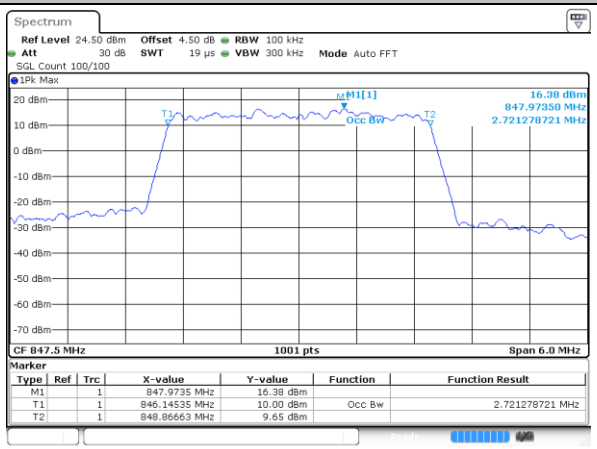
Date: 1.NOV.2019 13:00:19

Highest Channel / 3MHz / QPSK



Date: 1.NOV.2019 13:02:38

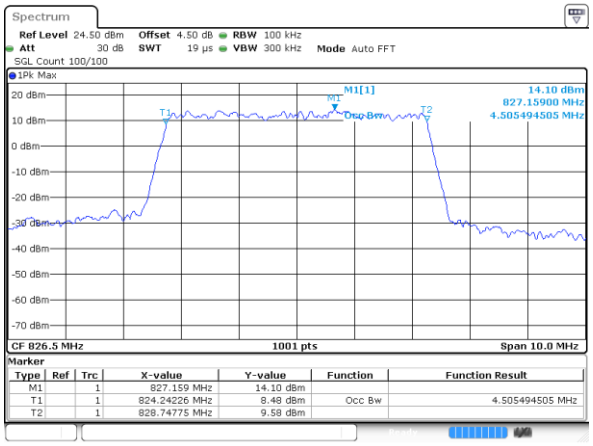
Highest Channel / 3MHz / 16QAM



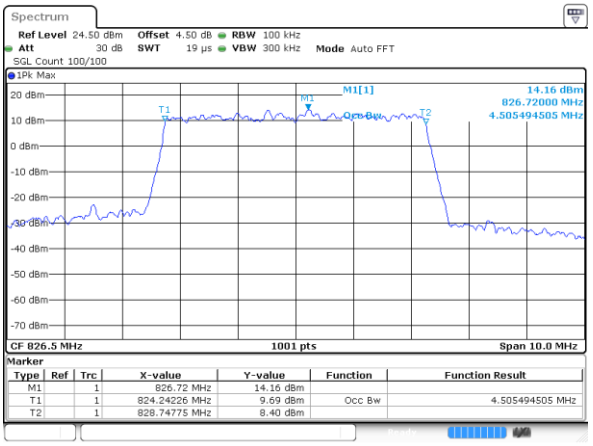
Date: 1.NOV.2019 13:02:48

LTE Band 5

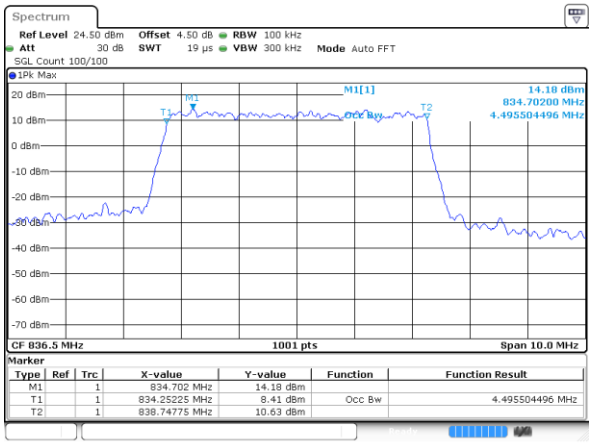
Lowest Channel / 5MHz / QPSK



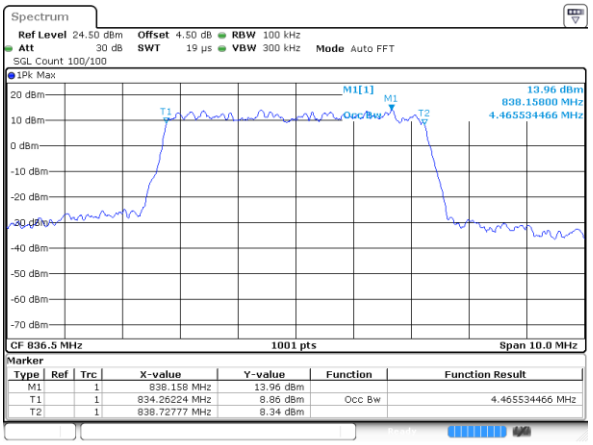
Lowest Channel / 5MHz / 16QAM



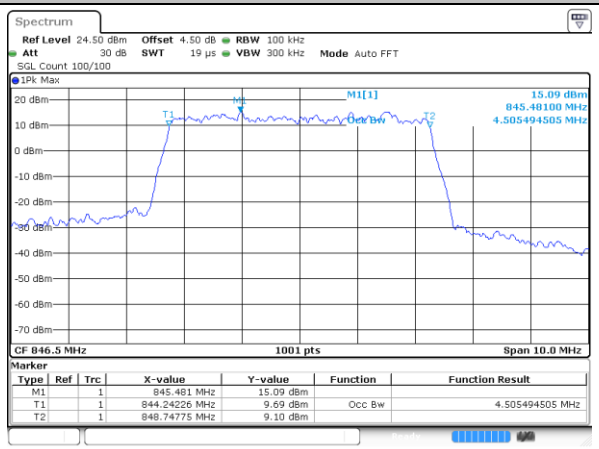
Middle Channel / 5MHz / QPSK



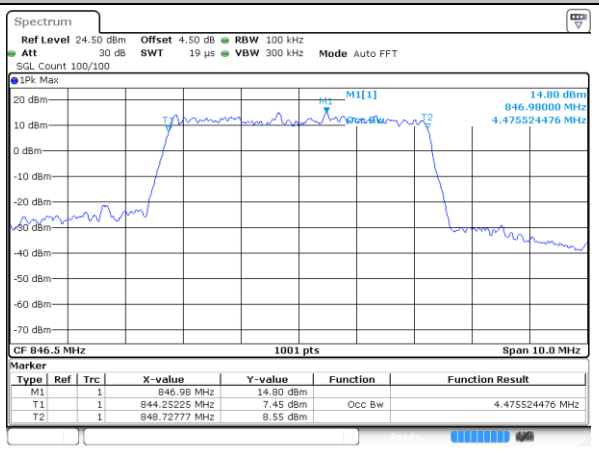
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

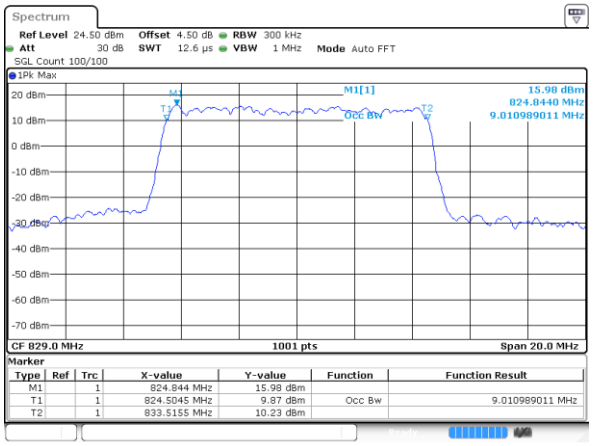


Highest Channel / 5MHz / 16QAM



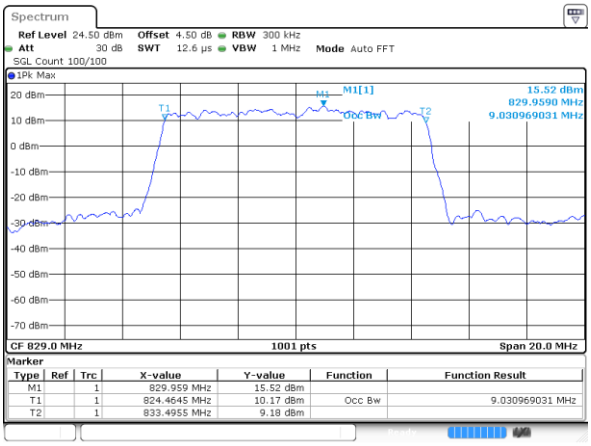
LTE Band 5

Lowest Channel / 10MHz / QPSK



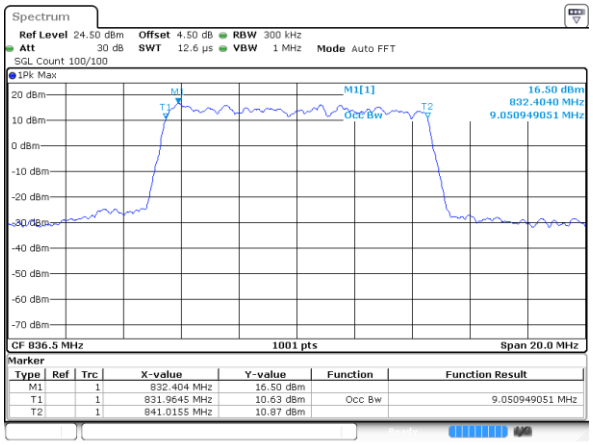
Date: 1.NOV.2019 13:12:32

Lowest Channel / 10MHz / 16QAM



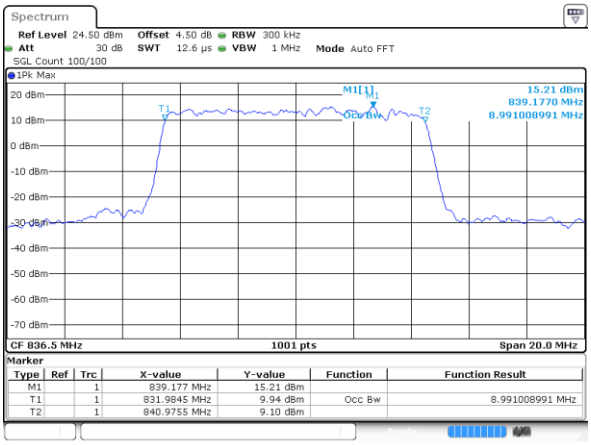
Date: 1.NOV.2019 13:12:43

Middle Channel / 10MHz / QPSK



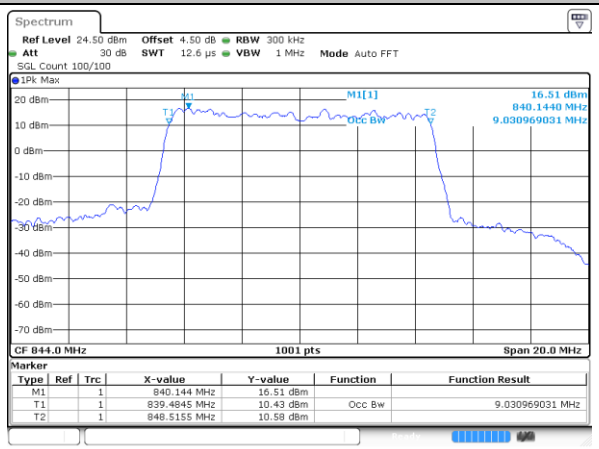
Date: 1.NOV.2019 13:15:01

Middle Channel / 10MHz / 16QAM



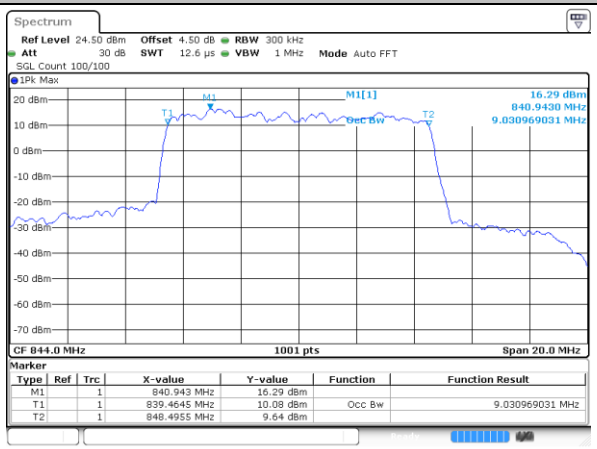
Date: 1.NOV.2019 13:15:12

Highest Channel / 10MHz / QPSK



Date: 1.NOV.2019 13:17:30

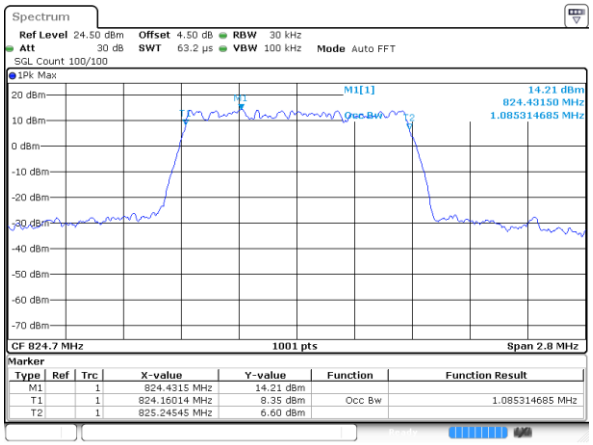
Highest Channel / 10MHz / 16QAM



Date: 1.NOV.2019 13:17:40

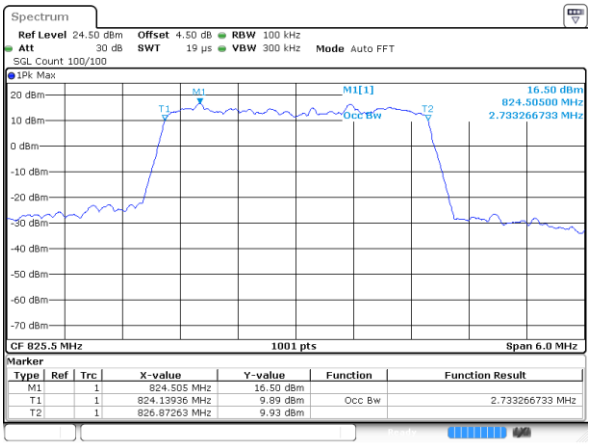
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



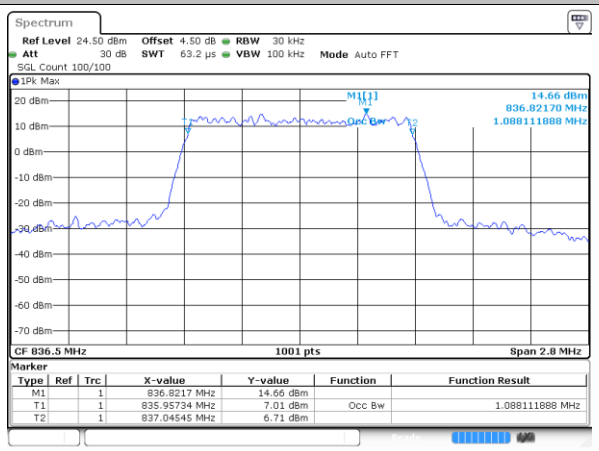
Date: 1.NOV.2019 13:35:08

Lowest Channel / 3MHz / 64QAM



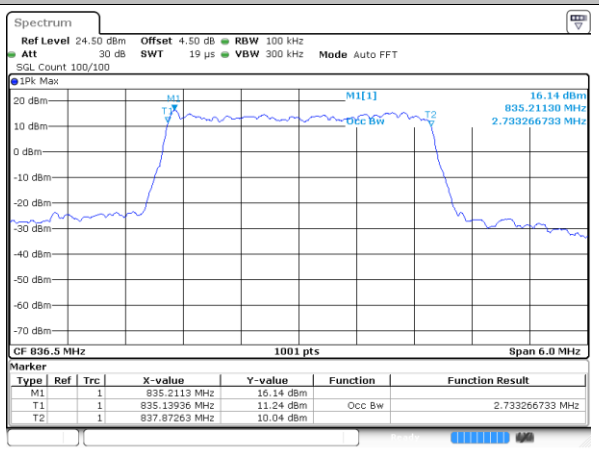
Date: 1.NOV.2019 13:45:20

Middle Channel / 1.4MHz / 64QAM



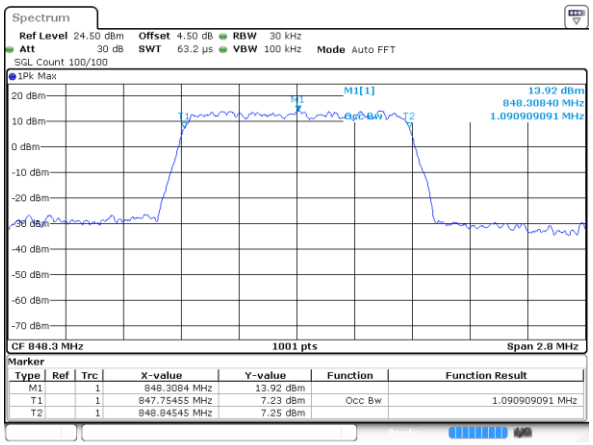
Date: 1.NOV.2019 13:40:31

Middle Channel / 3MHz / 64QAM



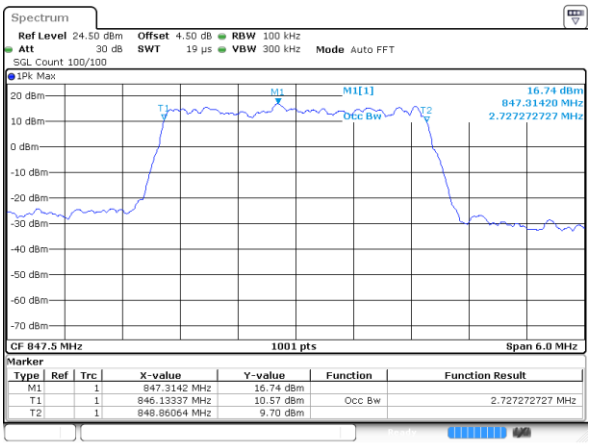
Date: 1.NOV.2019 13:50:43

Highest Channel / 1.4MHz / 64QAM



Date: 1.NOV.2019 13:40:51

Highest Channel / 3MHz / 64QAM



Date: 1.NOV.2019 13:51:03