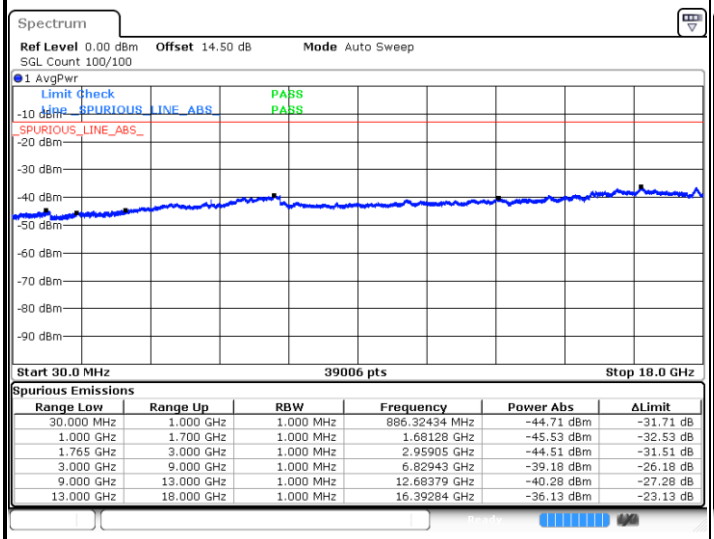
LTE Band 4 / 3MHz

Middle Channel / QPSK

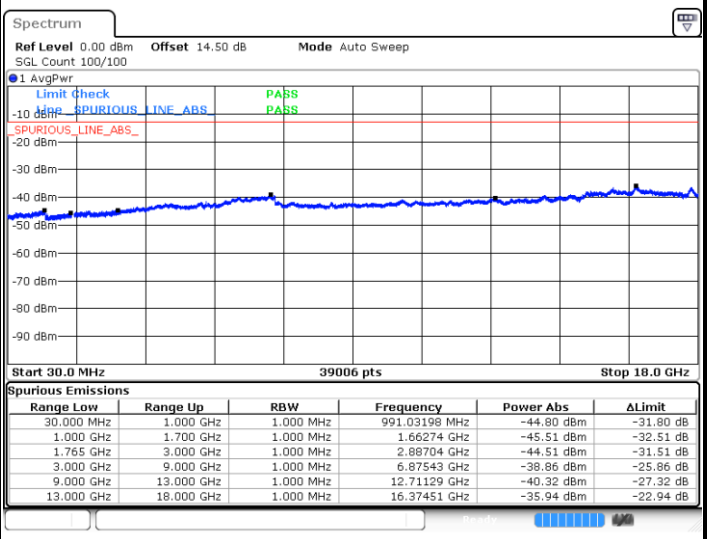


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.32434 MHz	-44.71 dBm	-31.71 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68128 GHz	-45.53 dBm	-32.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95905 GHz	-44.51 dBm	-31.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.82943 GHz	-39.18 dBm	-26.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68379 GHz	-40.28 dBm	-27.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39284 GHz	-36.13 dBm	-23.13 dB

Date: 3.MAY.2020 21:49:08

Middle Channel / 16QAM

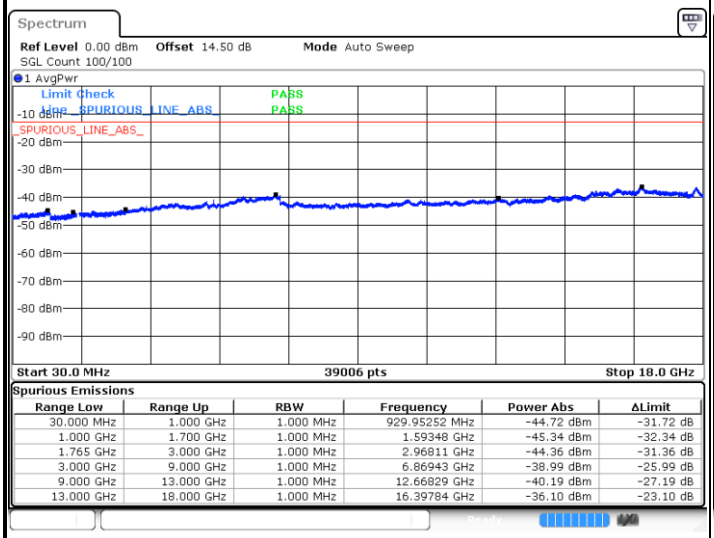


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-44.80 dBm	-31.80 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66274 GHz	-45.51 dBm	-32.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88704 GHz	-44.51 dBm	-31.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87543 GHz	-38.86 dBm	-25.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71129 GHz	-40.32 dBm	-27.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37451 GHz	-35.94 dBm	-22.94 dB

Date: 3.MAY.2020 21:49:52

Highest Channel / QPSK

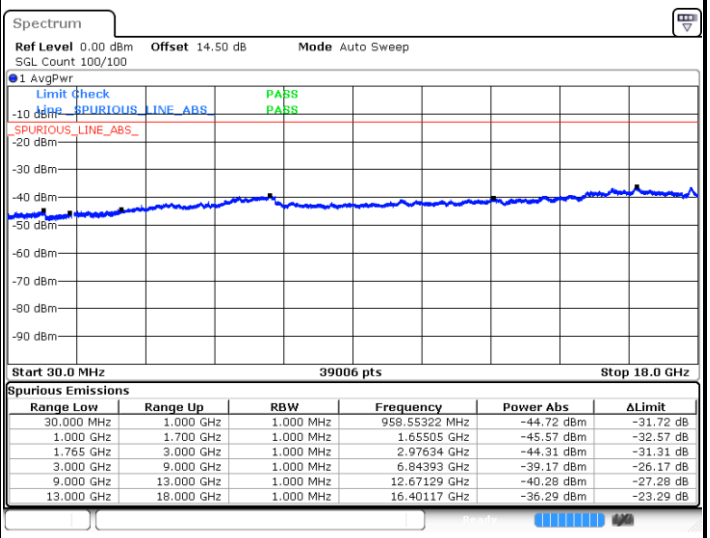


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.95252 MHz	-44.72 dBm	-31.72 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59348 GHz	-45.34 dBm	-32.34 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96811 GHz	-44.36 dBm	-31.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86943 GHz	-38.99 dBm	-25.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66829 GHz	-40.19 dBm	-27.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39784 GHz	-36.10 dBm	-23.10 dB

Date: 3.MAY.2020 21:51:20

Highest Channel / 16QAM



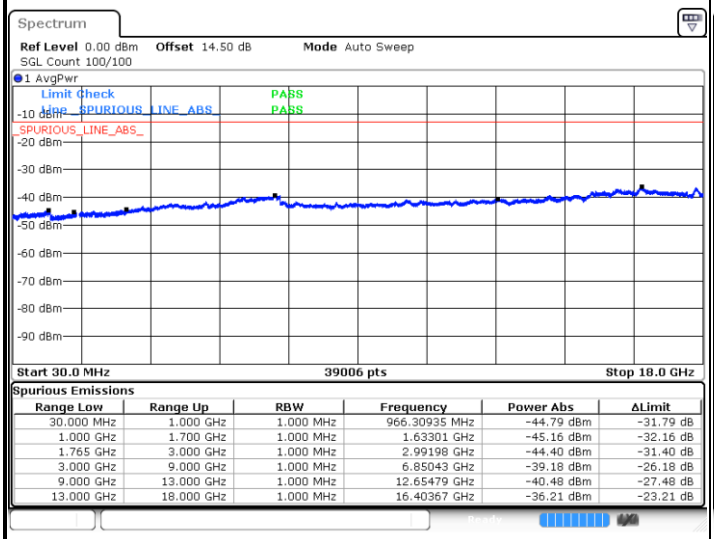
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-44.72 dBm	-31.72 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65505 GHz	-45.57 dBm	-32.57 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97634 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84393 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67129 GHz	-40.28 dBm	-27.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40117 GHz	-36.29 dBm	-23.29 dB

Date: 3.MAY.2020 21:52:05

LTE Band 4 / 5MHz

Lowest Channel / QPSK

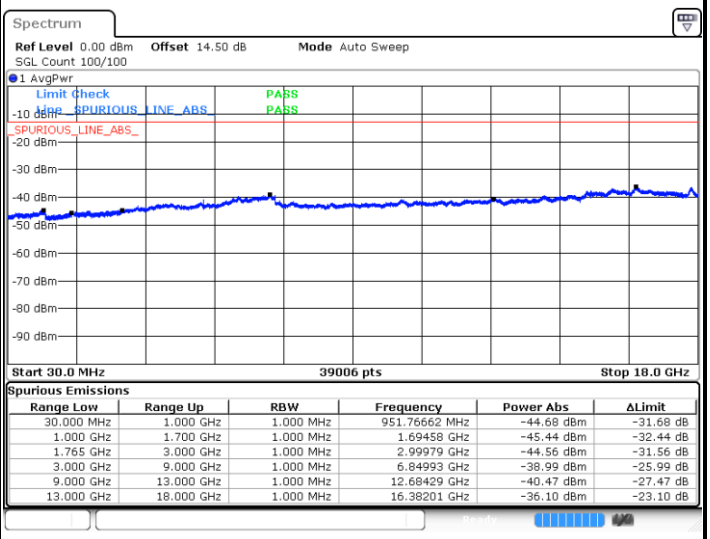


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.30935 MHz	-44.79 dBm	-31.79 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63301 GHz	-45.16 dBm	-32.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99198 GHz	-44.40 dBm	-31.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85043 GHz	-39.18 dBm	-26.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65479 GHz	-40.48 dBm	-27.48 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40367 GHz	-36.21 dBm	-23.21 dB

Date: 3.MAY.2020 21:56:29

Lowest Channel / 16QAM

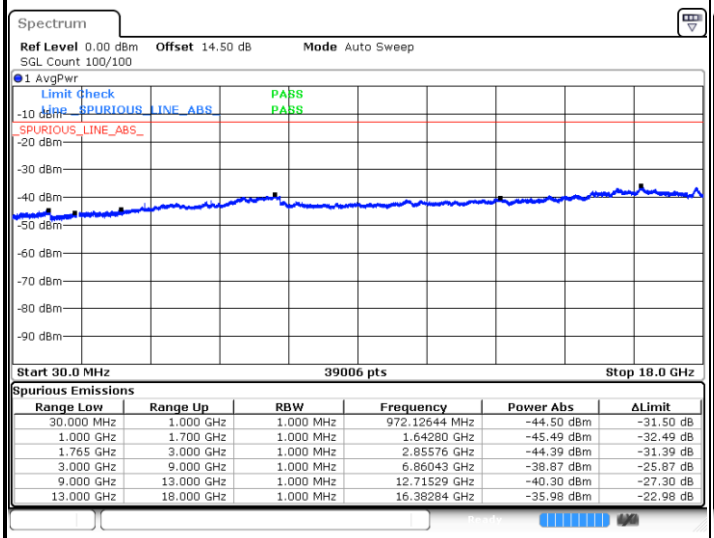


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-44.68 dBm	-31.68 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69458 GHz	-45.44 dBm	-32.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99979 GHz	-44.56 dBm	-31.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84993 GHz	-38.99 dBm	-25.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68429 GHz	-40.47 dBm	-27.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38201 GHz	-36.10 dBm	-23.10 dB

Date: 3.MAY.2020 21:57:13

Middle Channel / QPSK

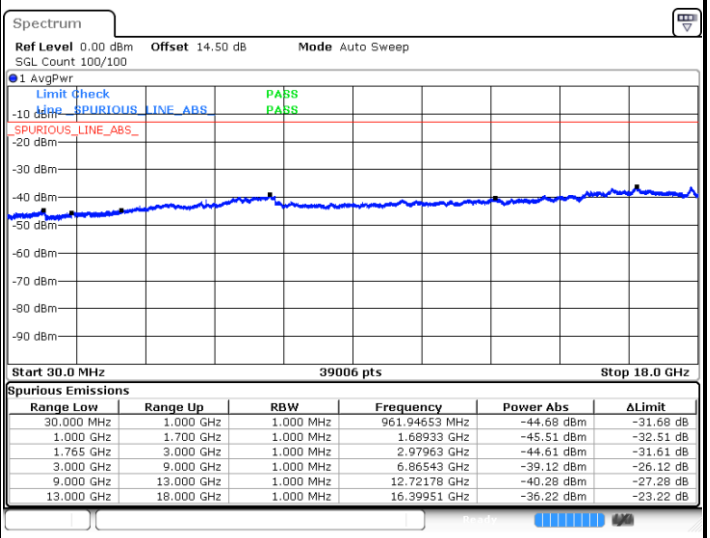


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-44.50 dBm	-31.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64280 GHz	-45.49 dBm	-32.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85576 GHz	-44.39 dBm	-31.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86043 GHz	-38.87 dBm	-25.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71529 GHz	-40.30 dBm	-27.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38284 GHz	-35.98 dBm	-22.98 dB

Date: 3.MAY.2020 21:58:41

Middle Channel / 16QAM



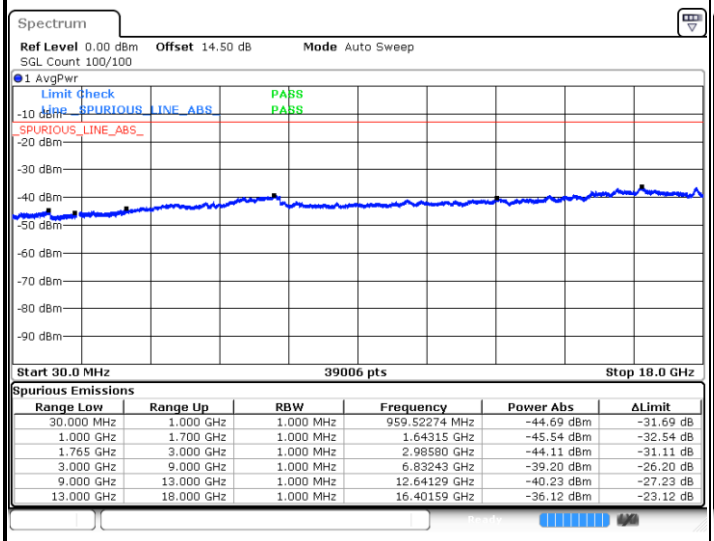
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-44.68 dBm	-31.68 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68933 GHz	-45.51 dBm	-32.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97963 GHz	-44.61 dBm	-31.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86543 GHz	-39.12 dBm	-26.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.72178 GHz	-40.28 dBm	-27.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39951 GHz	-36.22 dBm	-23.22 dB

Date: 3.MAY.2020 21:59:26

LTE Band 4 / 5MHz

Highest Channel / QPSK

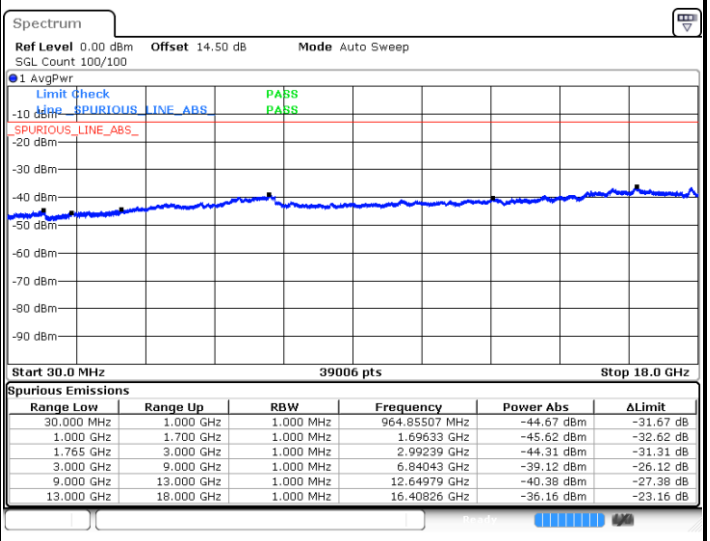


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.52274 MHz	-44.69 dBm	-31.69 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64315 GHz	-45.54 dBm	-32.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98580 GHz	-44.11 dBm	-31.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83243 GHz	-39.20 dBm	-26.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64129 GHz	-40.23 dBm	-27.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40159 GHz	-36.12 dBm	-23.12 dB

Date: 3.MAY.2020 22:03:50

Highest Channel / 16QAM



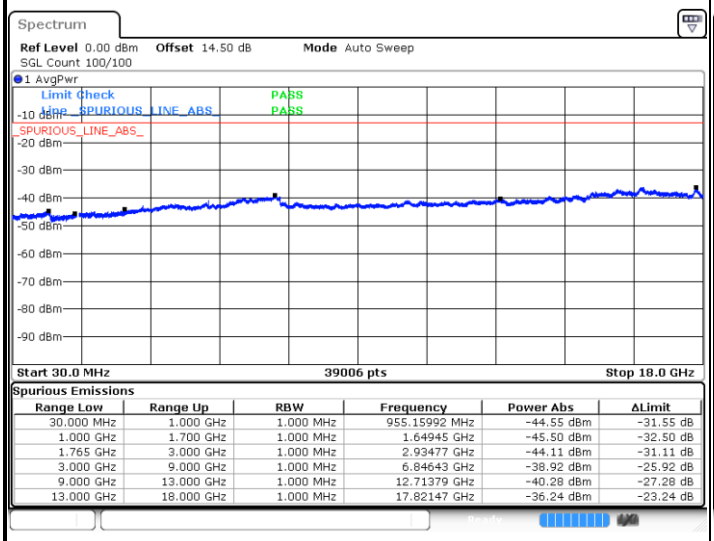
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-44.67 dBm	-31.67 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-45.62 dBm	-32.62 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99239 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84043 GHz	-39.12 dBm	-26.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64979 GHz	-40.38 dBm	-27.38 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40826 GHz	-36.16 dBm	-23.16 dB

Date: 3.MAY.2020 22:04:34

LTE Band 4 / 10MHz

Lowest Channel / QPSK

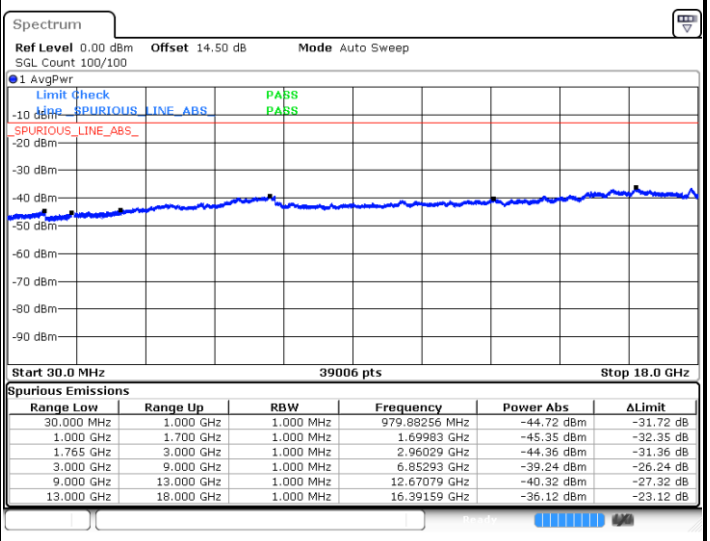


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-44.55 dBm	-31.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64945 GHz	-45.50 dBm	-32.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.93477 GHz	-44.11 dBm	-31.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84643 GHz	-38.92 dBm	-25.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71379 GHz	-40.28 dBm	-27.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.82147 GHz	-36.24 dBm	-23.24 dB

Date: 3.MAY.2020 22:08:58

Lowest Channel / 16QAM



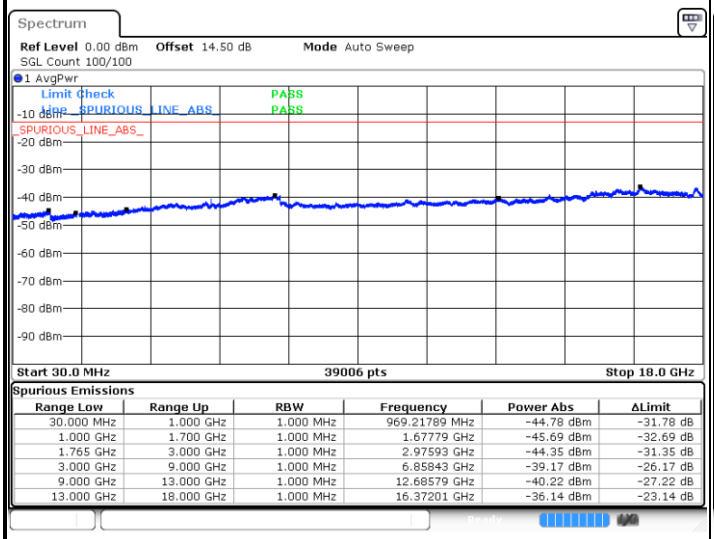
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-44.72 dBm	-31.72 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-45.35 dBm	-32.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96029 GHz	-44.36 dBm	-31.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85293 GHz	-39.24 dBm	-26.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67079 GHz	-40.32 dBm	-27.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39159 GHz	-36.12 dBm	-23.12 dB

Date: 3.MAY.2020 22:09:43

LTE Band 4 / 10MHz

Middle Channel / QPSK

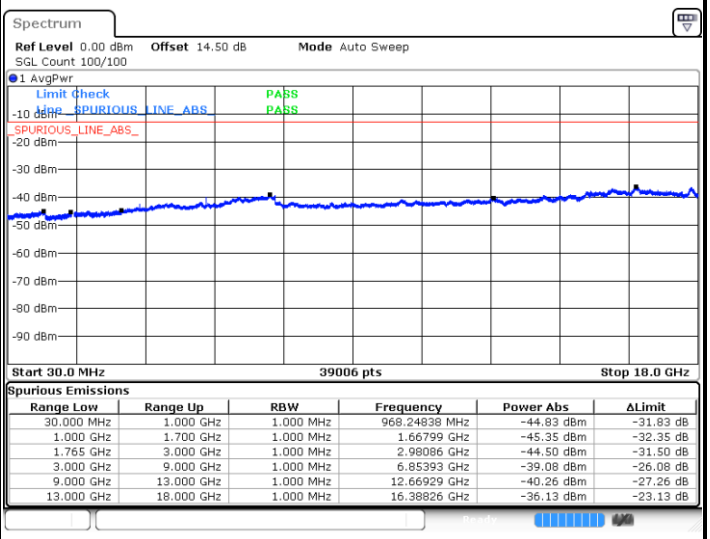


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.21789 MHz	-44.78 dBm	-31.78 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67779 GHz	-45.69 dBm	-32.69 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97593 GHz	-44.35 dBm	-31.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85843 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68579 GHz	-40.22 dBm	-27.22 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37201 GHz	-36.14 dBm	-23.14 dB

Date: 3.MAY.2020 22:11:11

Middle Channel / 16QAM

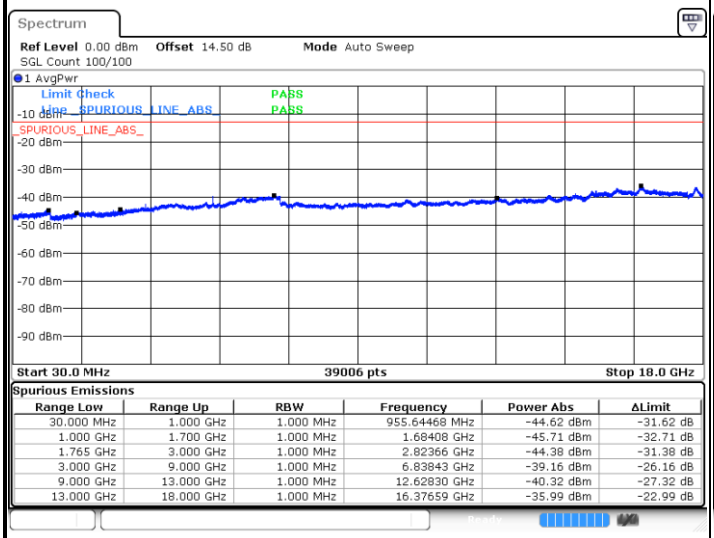


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.24838 MHz	-44.83 dBm	-31.83 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66799 GHz	-45.35 dBm	-32.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98086 GHz	-44.50 dBm	-31.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85393 GHz	-39.08 dBm	-26.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66929 GHz	-40.26 dBm	-27.26 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38826 GHz	-36.13 dBm	-23.13 dB

Date: 3.MAY.2020 22:11:56

Highest Channel / QPSK

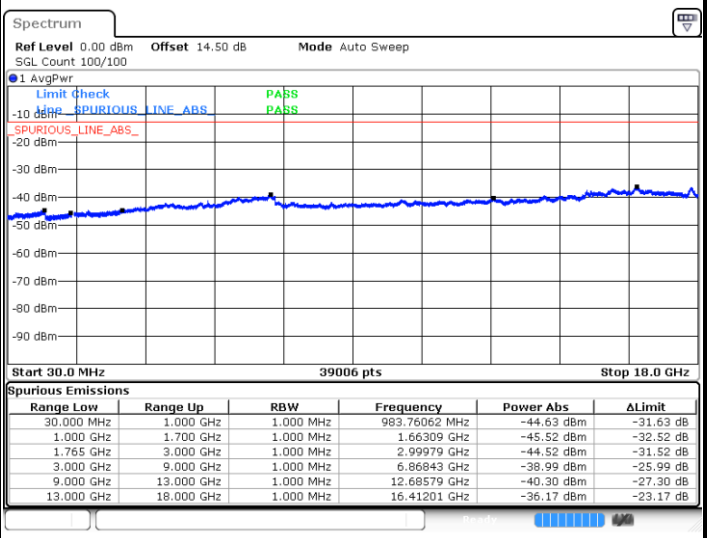


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-44.62 dBm	-31.62 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68408 GHz	-45.71 dBm	-32.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82366 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83843 GHz	-39.16 dBm	-26.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.62830 GHz	-40.32 dBm	-27.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37659 GHz	-35.99 dBm	-22.99 dB

Date: 3.MAY.2020 22:16:20

Highest Channel / 16QAM



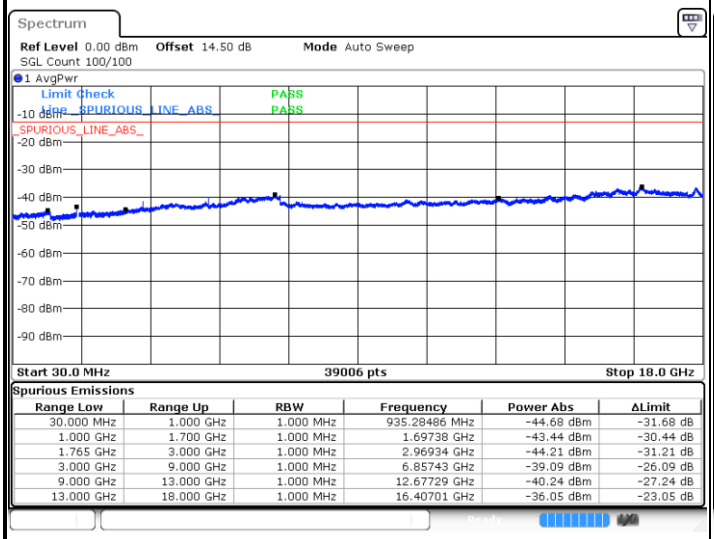
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.76062 MHz	-44.63 dBm	-31.63 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66309 GHz	-45.52 dBm	-32.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99979 GHz	-44.52 dBm	-31.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86843 GHz	-38.99 dBm	-25.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68579 GHz	-40.30 dBm	-27.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.41201 GHz	-36.17 dBm	-23.17 dB

Date: 3.MAY.2020 22:17:04

LTE Band 4 / 15MHz

Lowest Channel / QPSK

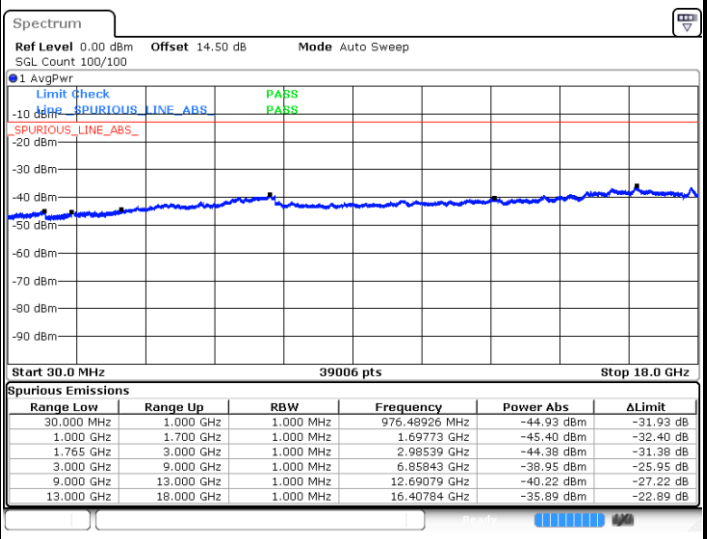


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-44.68 dBm	-31.68 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-43.44 dBm	-30.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96934 GHz	-44.21 dBm	-31.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85743 GHz	-39.09 dBm	-26.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67729 GHz	-40.24 dBm	-27.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40701 GHz	-36.05 dBm	-23.05 dB

Date: 3.MAY.2020 22:21:28

Lowest Channel / 16QAM

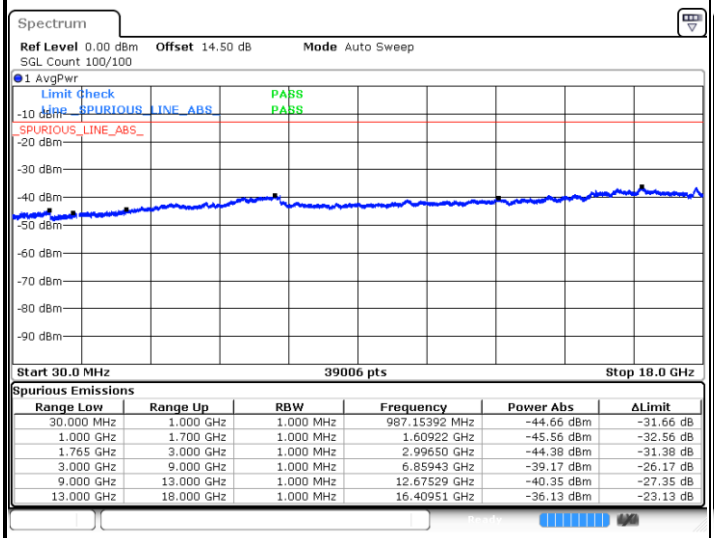


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-44.93 dBm	-31.93 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-45.40 dBm	-32.40 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98539 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85843 GHz	-38.95 dBm	-25.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69079 GHz	-40.22 dBm	-27.22 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40784 GHz	-35.89 dBm	-22.89 dB

Date: 3.MAY.2020 22:22:13

Middle Channel / QPSK

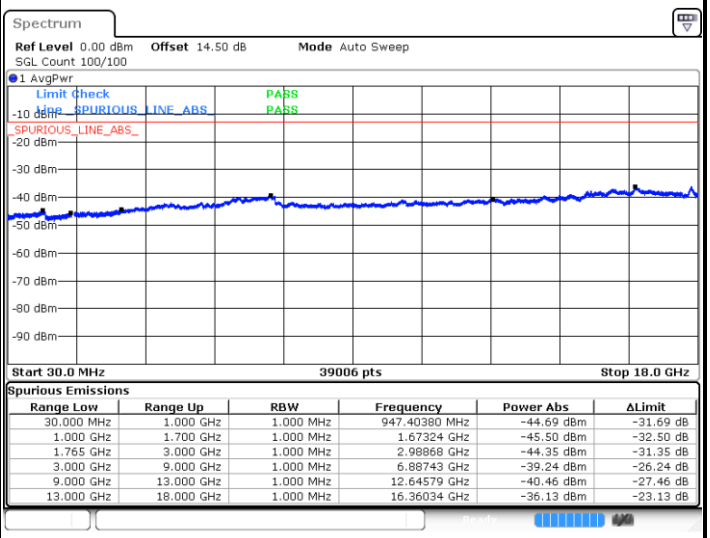


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-44.66 dBm	-31.66 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.60922 GHz	-45.56 dBm	-32.56 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85943 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67529 GHz	-40.35 dBm	-27.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40951 GHz	-36.13 dBm	-23.13 dB

Date: 3.MAY.2020 22:23:41

Middle Channel / 16QAM



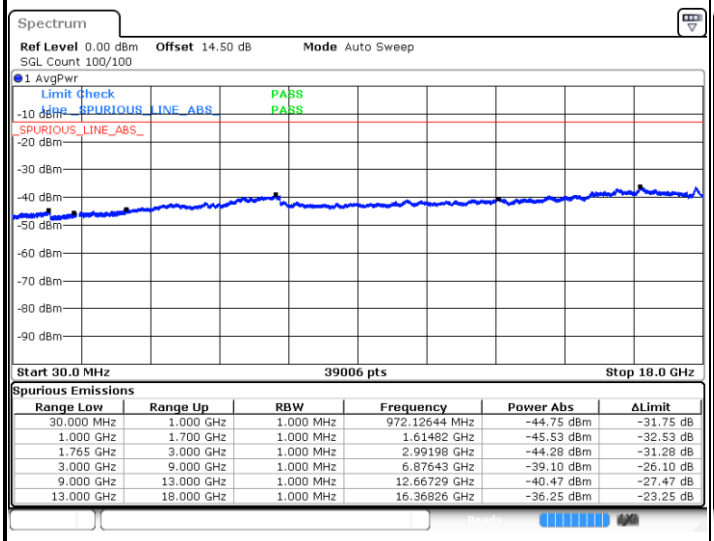
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-44.69 dBm	-31.69 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67324 GHz	-45.50 dBm	-32.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98868 GHz	-44.35 dBm	-31.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88743 GHz	-39.24 dBm	-26.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64579 GHz	-40.46 dBm	-27.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36034 GHz	-36.13 dBm	-23.13 dB

Date: 3.MAY.2020 22:24:25

LTE Band 4 / 15MHz

Highest Channel / QPSK

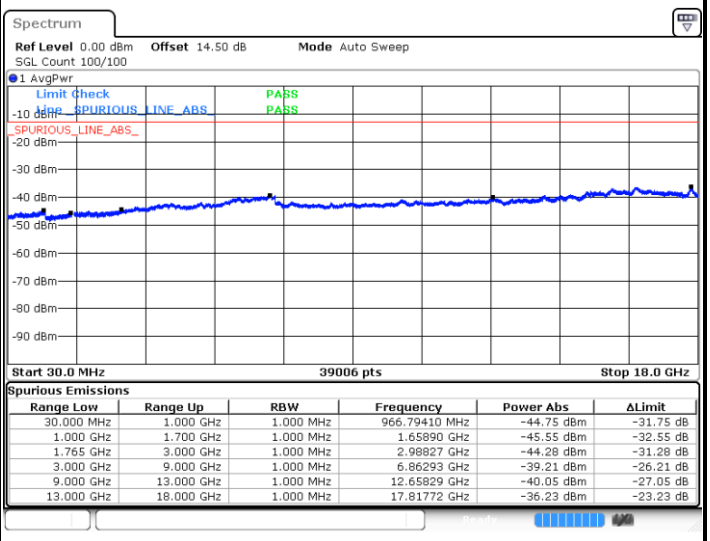


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-44.75 dBm	-31.75 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61482 GHz	-45.53 dBm	-32.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99198 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87643 GHz	-39.10 dBm	-26.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66729 GHz	-40.47 dBm	-27.47 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36826 GHz	-36.25 dBm	-23.25 dB

Date: 3.MAY.2020 22:28:49

Highest Channel / 16QAM



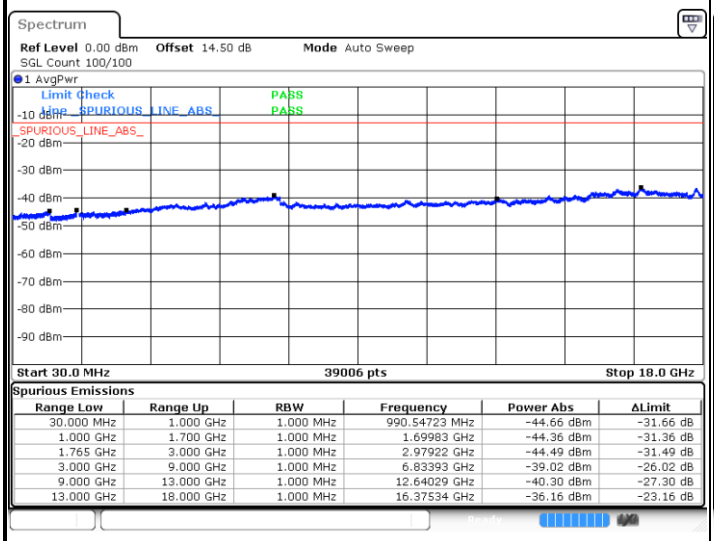
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-44.75 dBm	-31.75 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65890 GHz	-45.55 dBm	-32.55 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98827 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86293 GHz	-39.21 dBm	-26.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65829 GHz	-40.05 dBm	-27.05 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.81772 GHz	-36.23 dBm	-23.23 dB

Date: 3.MAY.2020 22:29:34

LTE Band 4 / 20MHz

Lowest Channel / QPSK

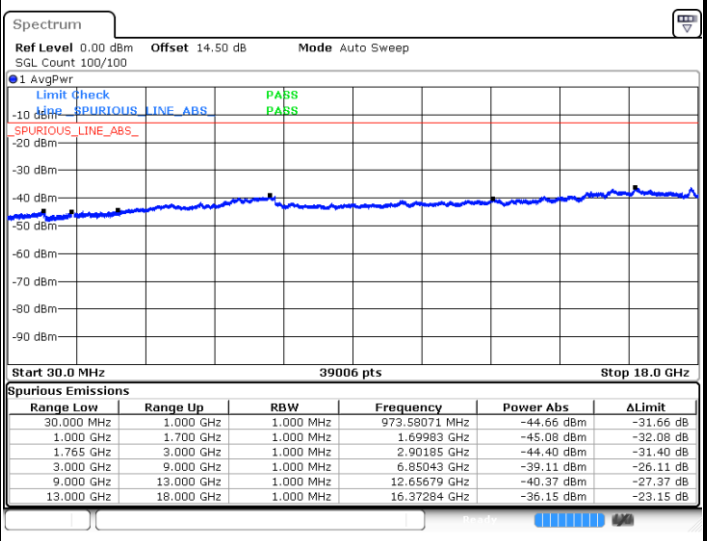


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-44.66 dBm	-31.66 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-44.36 dBm	-31.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97922 GHz	-44.49 dBm	-31.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83393 GHz	-39.02 dBm	-26.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64029 GHz	-40.30 dBm	-27.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37534 GHz	-36.16 dBm	-23.16 dB

Date: 3.MAY.2020 22:33:58

Lowest Channel / 16QAM



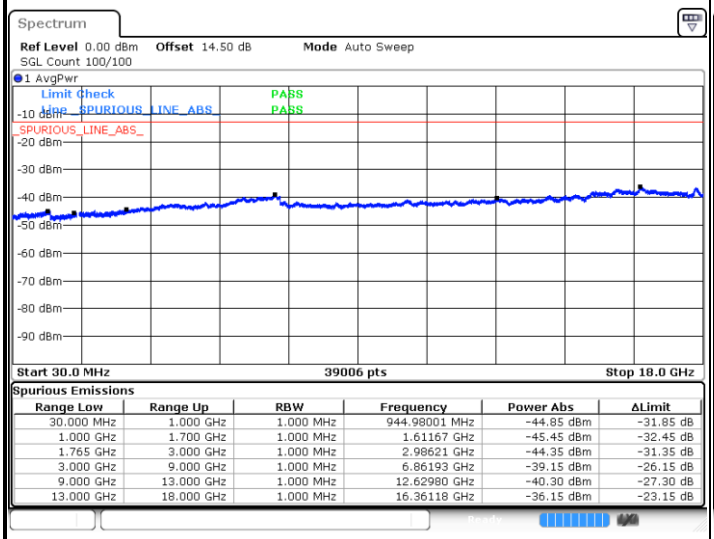
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-44.66 dBm	-31.66 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-45.08 dBm	-32.08 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.90185 GHz	-44.40 dBm	-31.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85043 GHz	-39.11 dBm	-26.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65679 GHz	-40.37 dBm	-27.37 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37284 GHz	-36.15 dBm	-23.15 dB

Date: 3.MAY.2020 22:34:42

LTE Band 4 / 20MHz

Middle Channel / QPSK

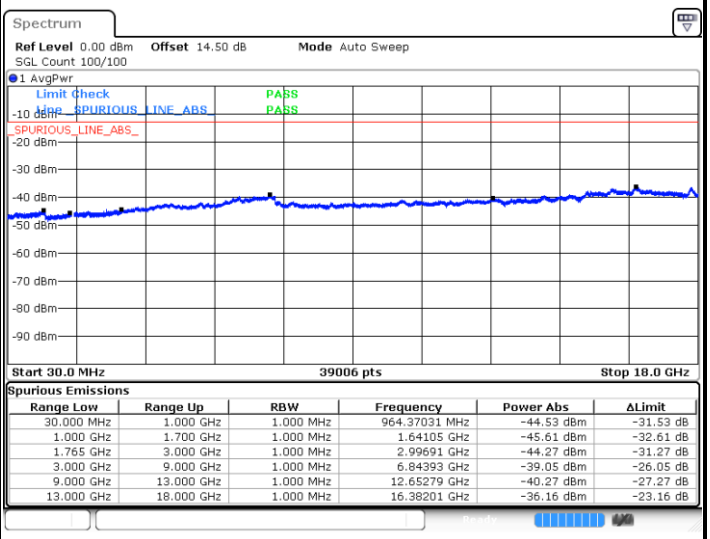


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.98001 MHz	-44.85 dBm	-31.85 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61167 GHz	-45.45 dBm	-32.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98621 GHz	-44.35 dBm	-31.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86193 GHz	-39.15 dBm	-26.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.62980 GHz	-40.30 dBm	-27.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36118 GHz	-36.15 dBm	-23.15 dB

Date: 3.MAY.2020 22:36:10

Middle Channel / 16QAM

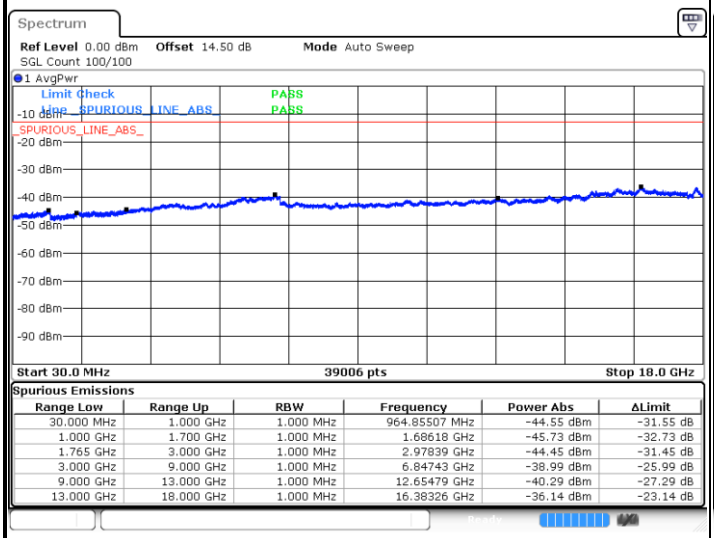


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-44.53 dBm	-31.53 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64105 GHz	-45.61 dBm	-32.61 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99691 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84393 GHz	-39.05 dBm	-26.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65279 GHz	-40.27 dBm	-27.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38201 GHz	-36.16 dBm	-23.16 dB

Date: 3.MAY.2020 22:36:55

Highest Channel / QPSK

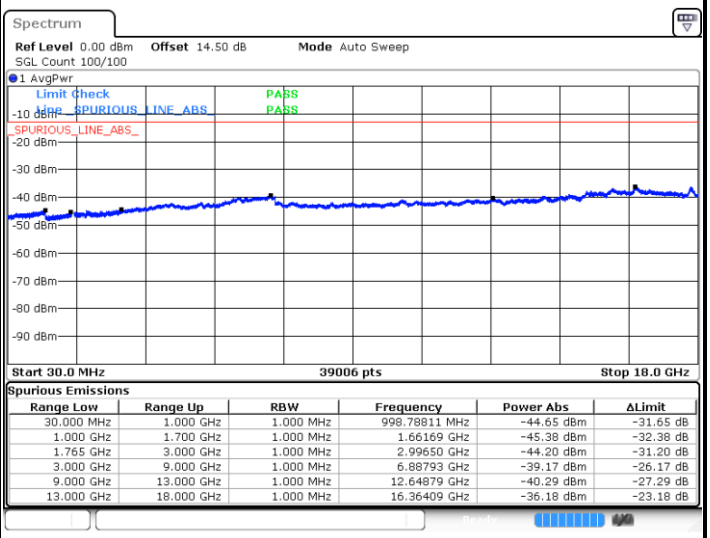


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-44.55 dBm	-31.55 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68618 GHz	-45.73 dBm	-32.73 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97839 GHz	-44.45 dBm	-31.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84743 GHz	-38.99 dBm	-25.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65479 GHz	-40.29 dBm	-27.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38326 GHz	-36.14 dBm	-23.14 dB

Date: 3.MAY.2020 22:41:19

Highest Channel / 16QAM



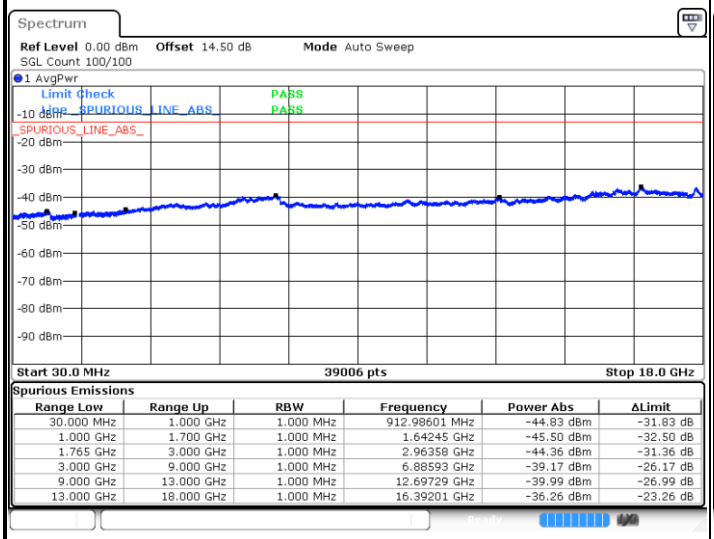
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-44.65 dBm	-31.65 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66169 GHz	-45.38 dBm	-32.38 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99650 GHz	-44.20 dBm	-31.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88793 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64879 GHz	-40.29 dBm	-27.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36409 GHz	-36.18 dBm	-23.18 dB

Date: 3.MAY.2020 22:42:03

LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM

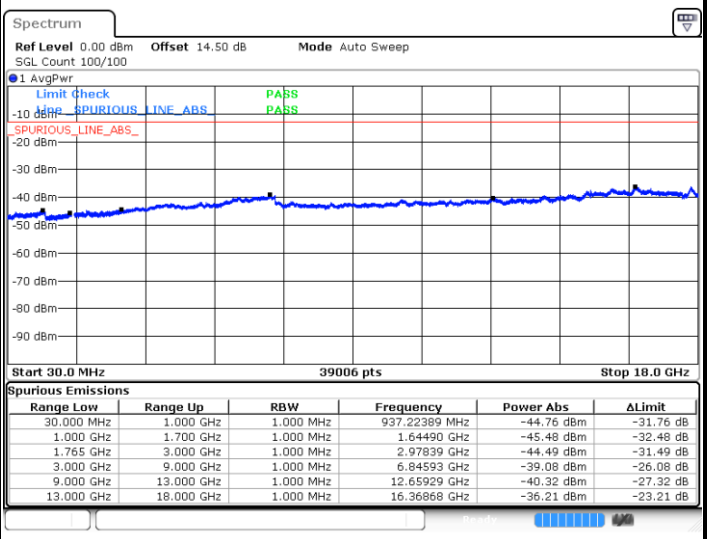


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-44.83 dBm	-31.83 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64245 GHz	-45.50 dBm	-32.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96358 GHz	-44.36 dBm	-31.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88593 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69729 GHz	-39.99 dBm	-26.99 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39201 GHz	-36.26 dBm	-23.26 dB

Date: 3.MAY.2020 21:34:56

Middle Channel / 64QAM

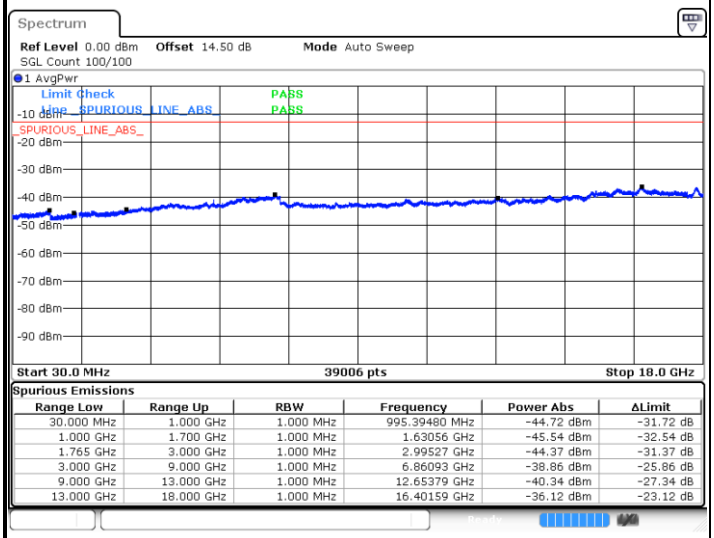


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-44.76 dBm	-31.76 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64490 GHz	-45.48 dBm	-32.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97839 GHz	-44.49 dBm	-31.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84593 GHz	-39.08 dBm	-26.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65929 GHz	-40.32 dBm	-27.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36868 GHz	-36.21 dBm	-23.21 dB

Date: 3.MAY.2020 21:37:36

Highest Channel / 64QAM



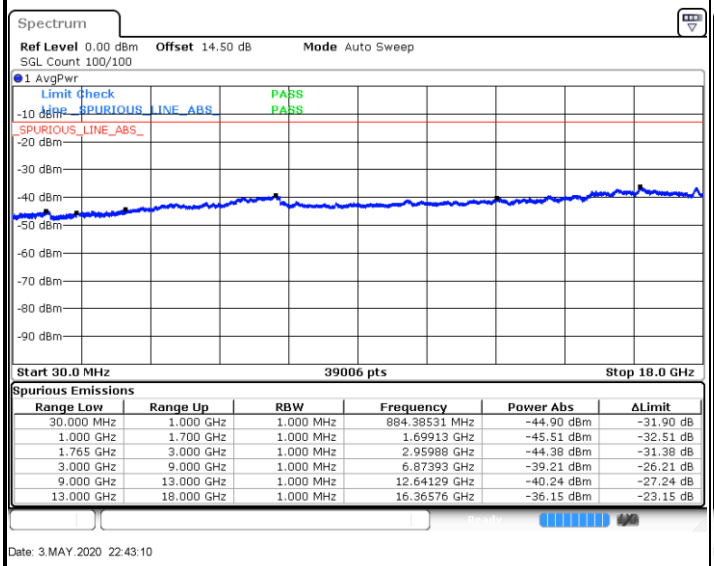
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.39480 MHz	-44.72 dBm	-31.72 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63056 GHz	-45.54 dBm	-32.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99527 GHz	-44.37 dBm	-31.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86093 GHz	-38.86 dBm	-25.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65379 GHz	-40.34 dBm	-27.34 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40159 GHz	-36.12 dBm	-23.12 dB

Date: 3.MAY.2020 21:40:46

LTE Band 4 / 3MHz

Lowest Channel / 64QAM

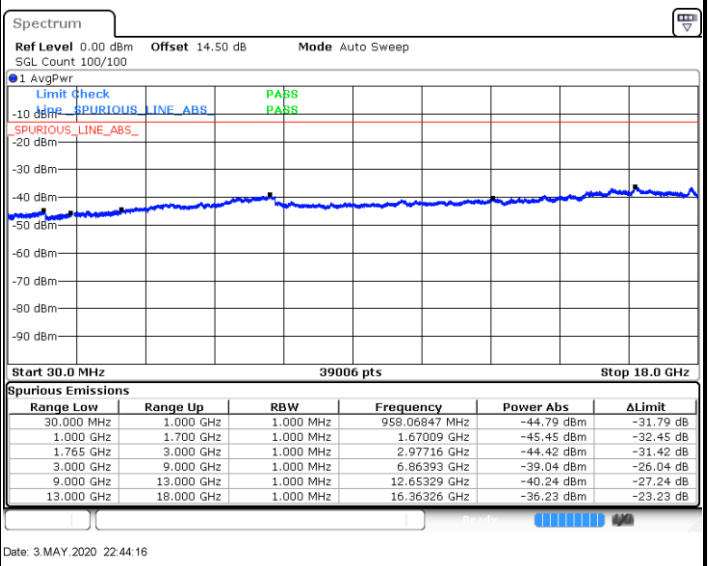


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	884.38531 MHz	-44.90 dBm	-31.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-45.51 dBm	-32.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95988 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87393 GHz	-39.21 dBm	-26.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64129 GHz	-40.24 dBm	-27.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36576 GHz	-36.15 dBm	-23.15 dB

Date: 3.MAY.2020 22:43:10

Middle Channel / 64QAM

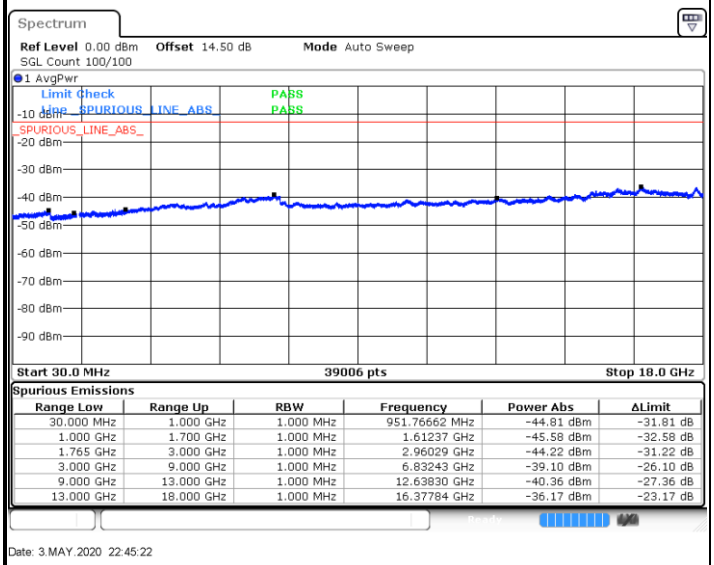


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.06847 MHz	-44.79 dBm	-31.79 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67009 GHz	-45.45 dBm	-32.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97716 GHz	-44.42 dBm	-31.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86393 GHz	-39.04 dBm	-26.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65329 GHz	-40.24 dBm	-27.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36326 GHz	-36.23 dBm	-23.23 dB

Date: 3.MAY.2020 22:44:16

Highest Channel / 64QAM



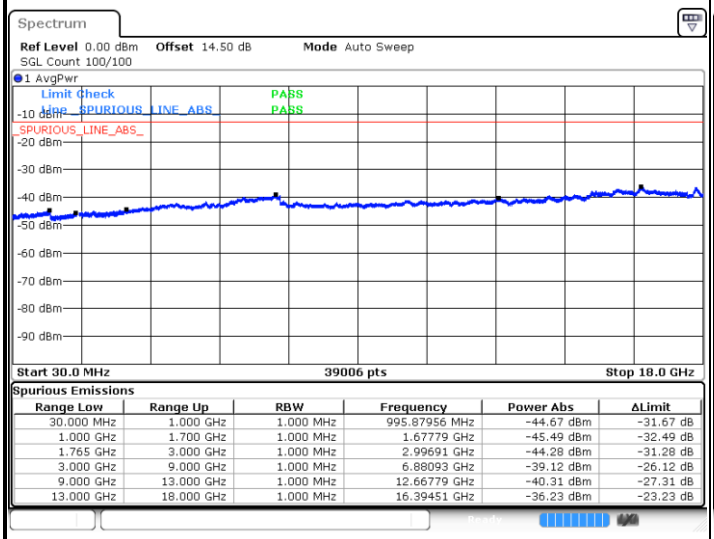
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-44.81 dBm	-31.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61237 GHz	-45.58 dBm	-32.58 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96029 GHz	-44.22 dBm	-31.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83243 GHz	-39.10 dBm	-26.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.63830 GHz	-40.36 dBm	-27.36 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37784 GHz	-36.17 dBm	-23.17 dB

Date: 3.MAY.2020 22:45:22

LTE Band 4 / 5MHz

Lowest Channel / 64QAM

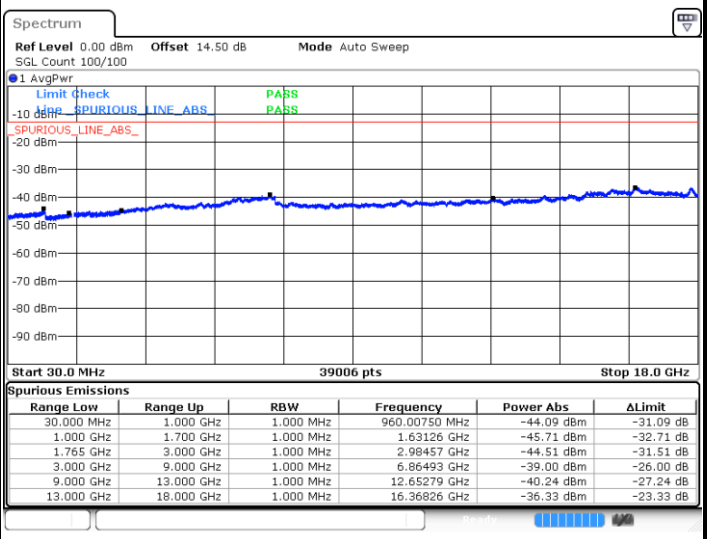


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-44.67 dBm	-31.67 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67779 GHz	-45.49 dBm	-32.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99691 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88093 GHz	-39.12 dBm	-26.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66779 GHz	-40.31 dBm	-27.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39451 GHz	-36.23 dBm	-23.23 dB

Date: 3.MAY.2020 22:47:56

Middle Channel / 64QAM

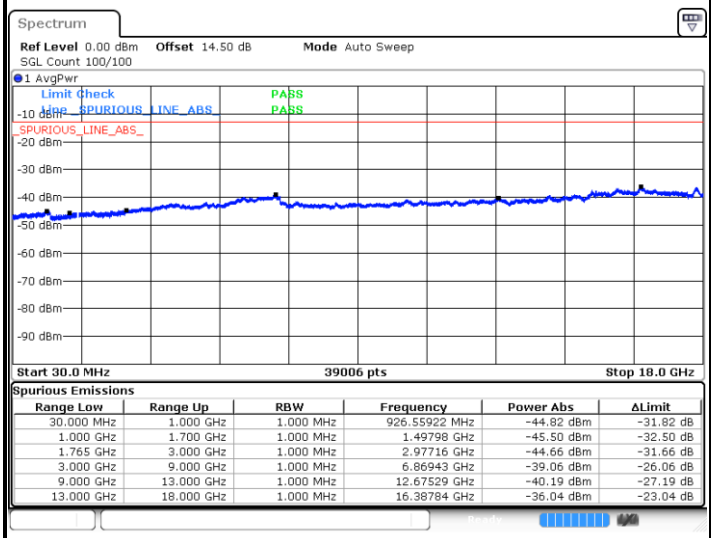


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-44.09 dBm	-31.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63126 GHz	-45.71 dBm	-32.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98457 GHz	-44.51 dBm	-31.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86493 GHz	-39.00 dBm	-26.00 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65279 GHz	-40.24 dBm	-27.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36826 GHz	-36.33 dBm	-23.33 dB

Date: 3.MAY.2020 22:49:03

Highest Channel / 64QAM



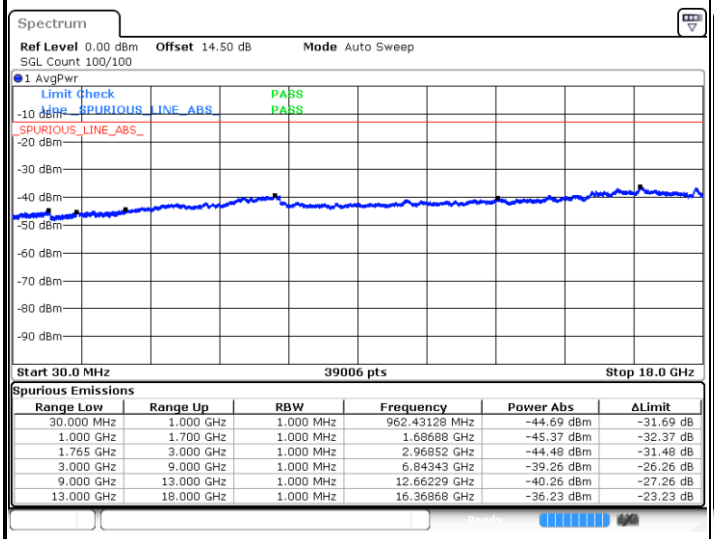
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	926.55922 MHz	-44.82 dBm	-31.82 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.49798 GHz	-45.50 dBm	-32.50 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97716 GHz	-44.66 dBm	-31.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86943 GHz	-39.06 dBm	-26.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67529 GHz	-40.19 dBm	-27.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38784 GHz	-36.04 dBm	-23.04 dB

Date: 3.MAY.2020 22:51:37

LTE Band 4 / 10MHz

Lowest Channel / 64QAM

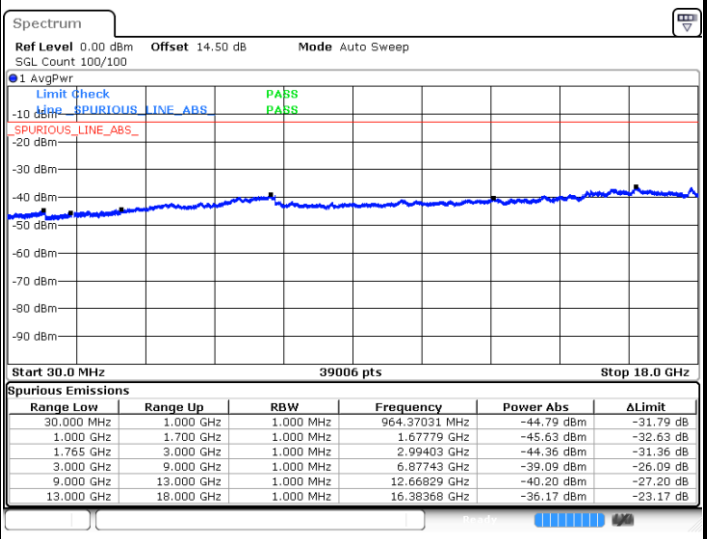


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-44.69 dBm	-31.69 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68688 GHz	-45.37 dBm	-32.37 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96852 GHz	-44.48 dBm	-31.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84343 GHz	-39.26 dBm	-26.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66229 GHz	-40.26 dBm	-27.26 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36868 GHz	-36.23 dBm	-23.23 dB

Date: 3.MAY.2020 22:54:11

Middle Channel / 64QAM

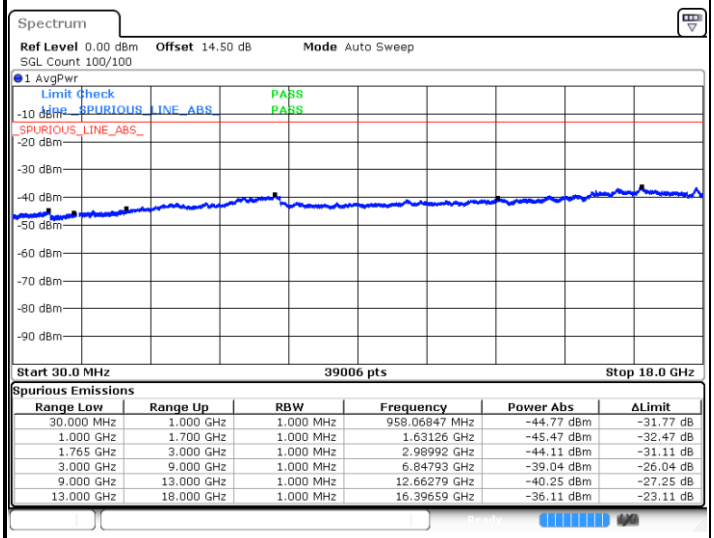


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.37031 MHz	-44.79 dBm	-31.79 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67779 GHz	-45.63 dBm	-32.63 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99403 GHz	-44.36 dBm	-31.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87743 GHz	-39.09 dBm	-26.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66829 GHz	-40.20 dBm	-27.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.38368 GHz	-36.17 dBm	-23.17 dB

Date: 3.MAY.2020 22:55:17

Highest Channel / 64QAM



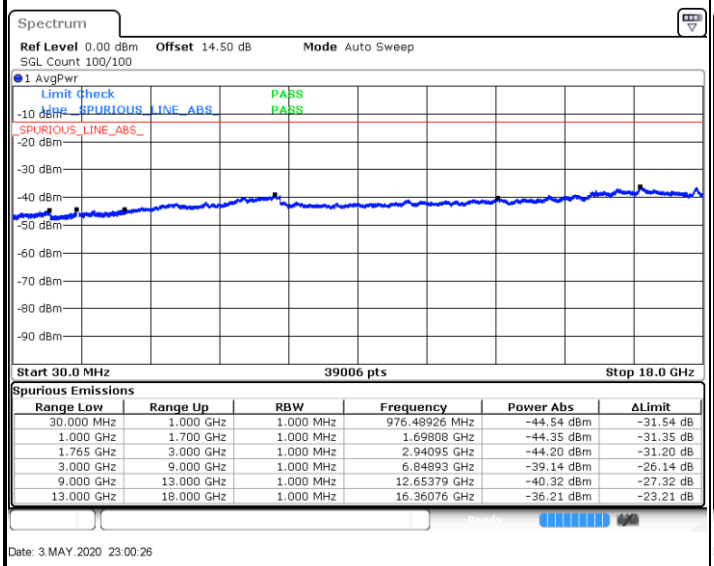
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.06847 MHz	-44.77 dBm	-31.77 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63126 GHz	-45.47 dBm	-32.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98992 GHz	-44.11 dBm	-31.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84793 GHz	-39.04 dBm	-26.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66279 GHz	-40.25 dBm	-27.25 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.39659 GHz	-36.11 dBm	-23.11 dB

Date: 3.MAY.2020 22:57:52

LTE Band 4 / 15MHz

Lowest Channel / 64QAM

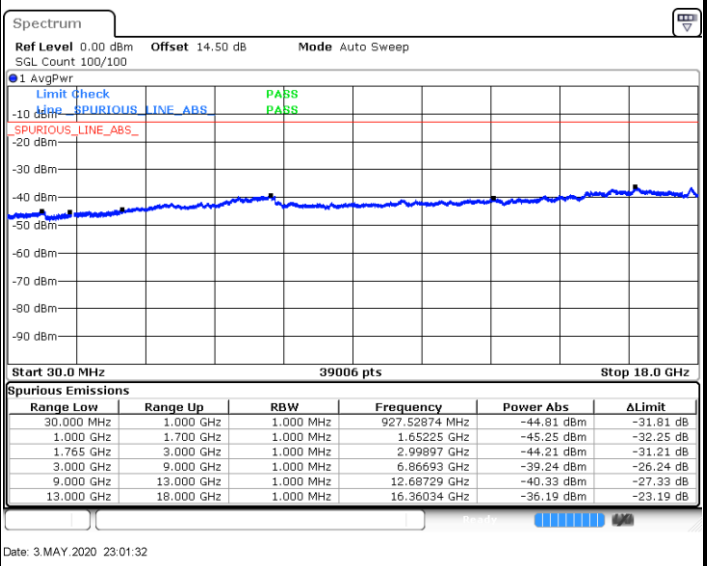


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-44.54 dBm	-31.54 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-44.35 dBm	-31.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.94095 GHz	-44.20 dBm	-31.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84893 GHz	-39.14 dBm	-26.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65379 GHz	-40.32 dBm	-27.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36076 GHz	-36.21 dBm	-23.21 dB

Date: 3.MAY.2020 23:00:26

Middle Channel / 64QAM

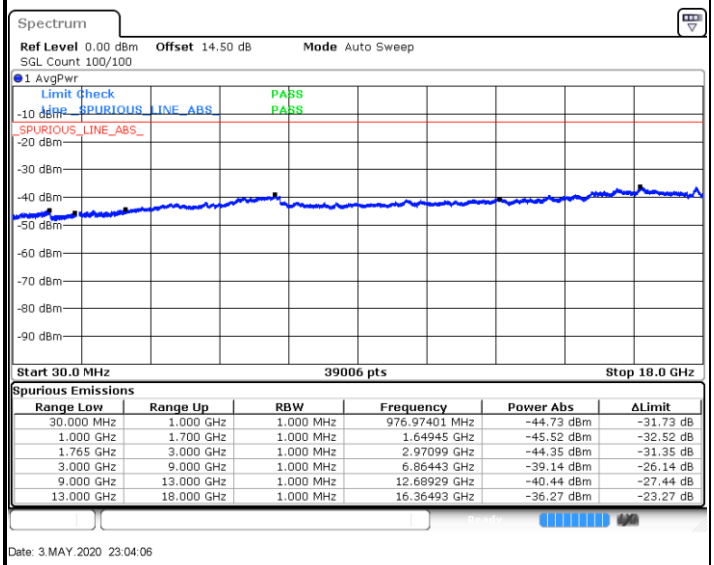


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.52874 MHz	-44.81 dBm	-31.81 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65225 GHz	-45.25 dBm	-32.25 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99897 GHz	-44.21 dBm	-31.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86693 GHz	-39.24 dBm	-26.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68729 GHz	-40.33 dBm	-27.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36034 GHz	-36.19 dBm	-23.19 dB

Date: 3.MAY.2020 23:01:32

Highest Channel / 64QAM



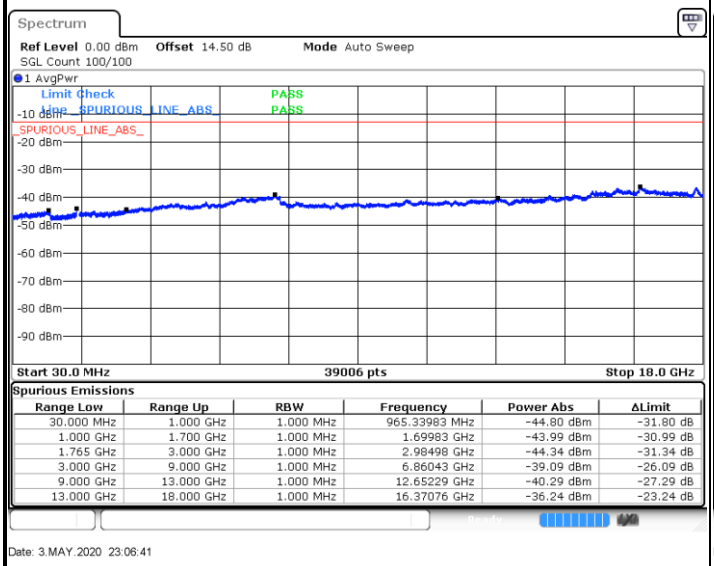
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-44.73 dBm	-31.73 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64945 GHz	-45.52 dBm	-32.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97099 GHz	-44.35 dBm	-31.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86443 GHz	-39.14 dBm	-26.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68929 GHz	-40.44 dBm	-27.44 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.36493 GHz	-36.27 dBm	-23.27 dB

Date: 3.MAY.2020 23:04:06

LTE Band 4 / 20MHz

Lowest Channel / 64QAM

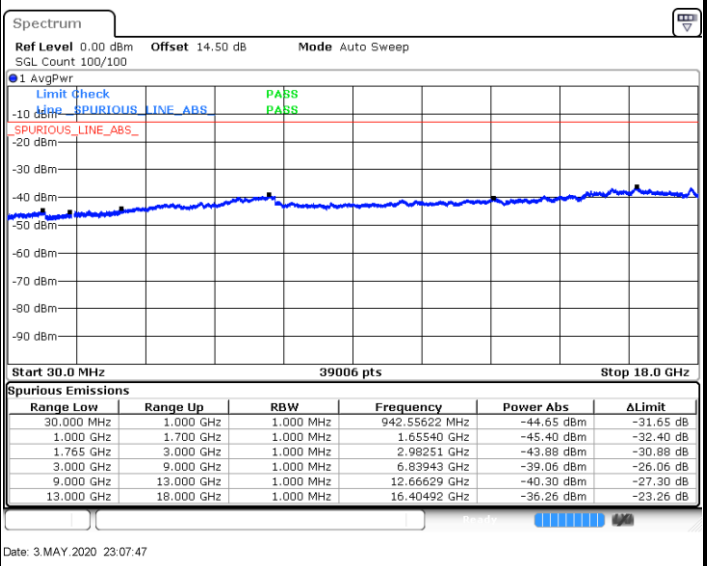


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-44.80 dBm	-31.80 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-43.99 dBm	-30.99 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98498 GHz	-44.34 dBm	-31.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86043 GHz	-39.09 dBm	-26.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65229 GHz	-40.29 dBm	-27.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37076 GHz	-36.24 dBm	-23.24 dB

Date: 3.MAY.2020 23:06:41

Middle Channel / 64QAM

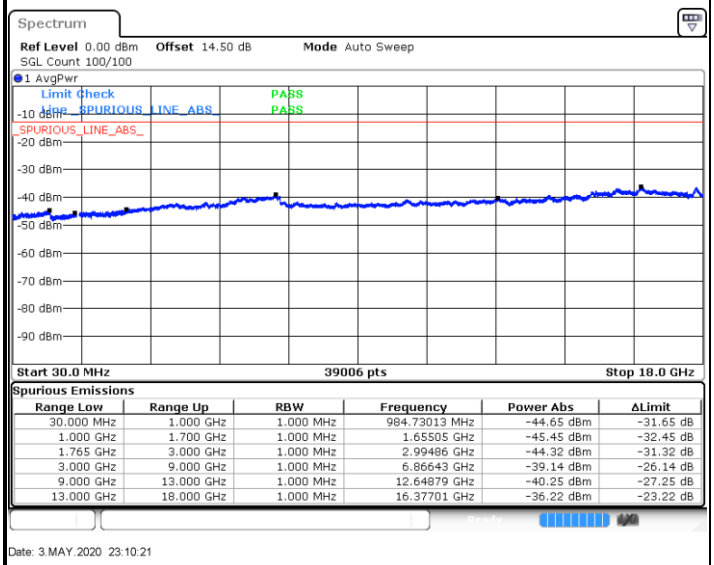


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-44.65 dBm	-31.65 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65540 GHz	-45.40 dBm	-32.40 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98251 GHz	-43.88 dBm	-30.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83943 GHz	-39.06 dBm	-26.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66629 GHz	-40.30 dBm	-27.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.40492 GHz	-36.26 dBm	-23.26 dB

Date: 3.MAY.2020 23:07:47

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-44.65 dBm	-31.65 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65505 GHz	-45.45 dBm	-32.45 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99486 GHz	-44.32 dBm	-31.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86643 GHz	-39.14 dBm	-26.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64879 GHz	-40.25 dBm	-27.25 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.37701 GHz	-36.22 dBm	-23.22 dB

Date: 3.MAY.2020 23:10:21

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0053	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

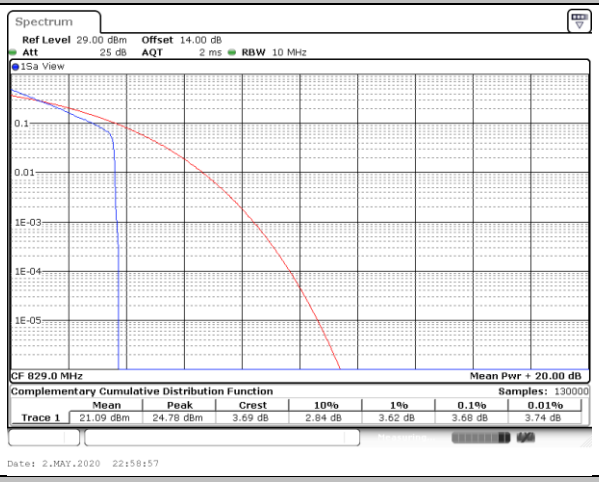
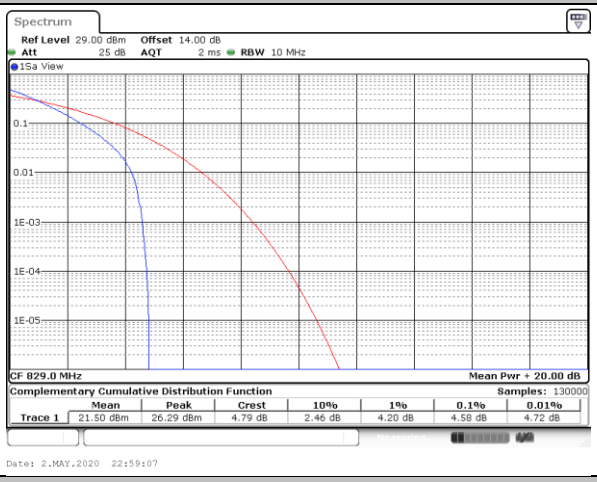
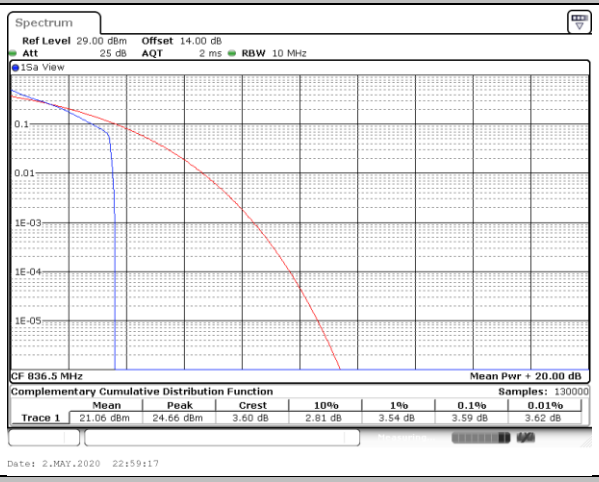
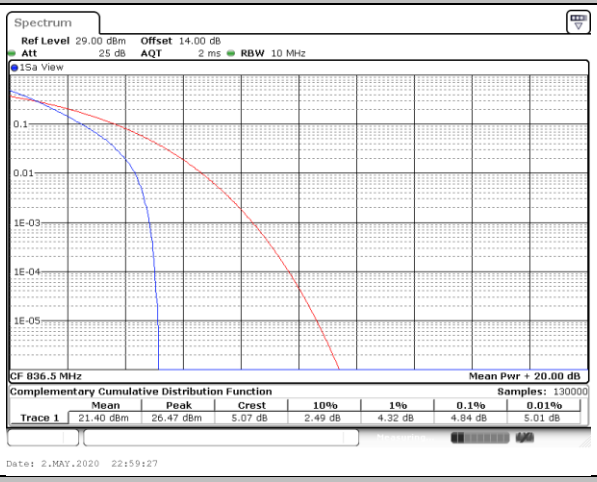
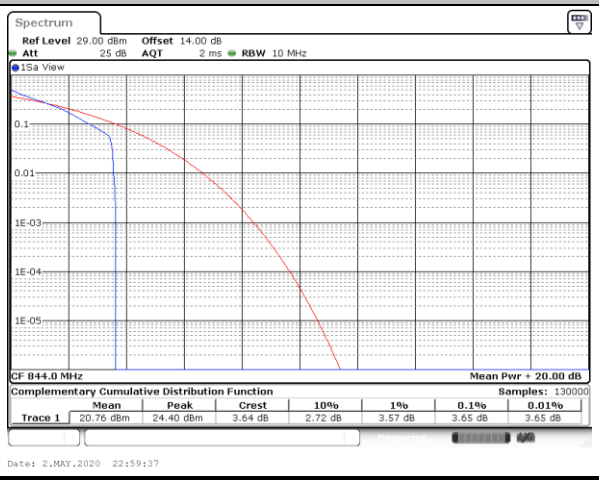
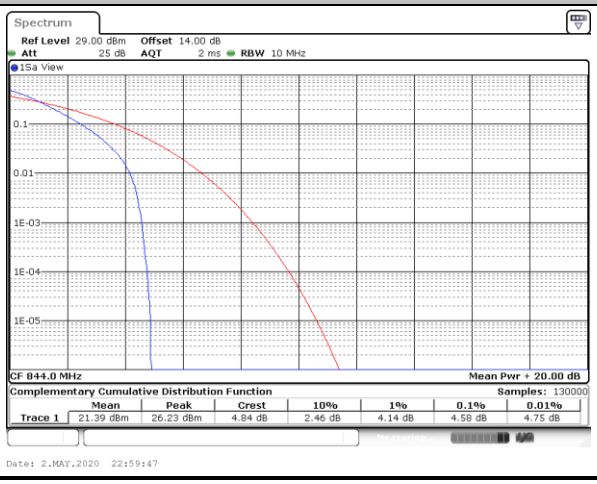
1. Normal Voltage =3.87 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.45 V.

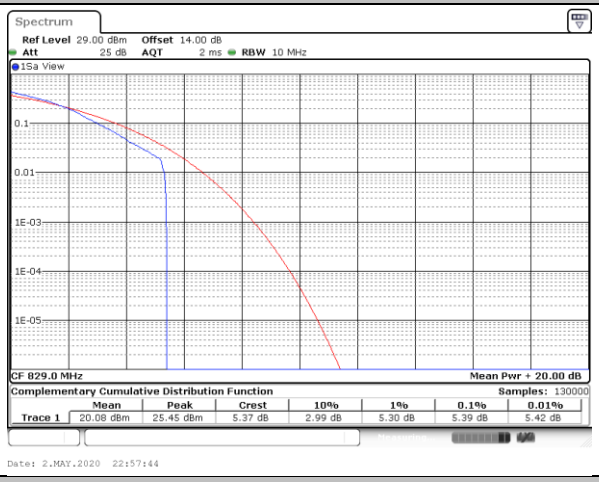
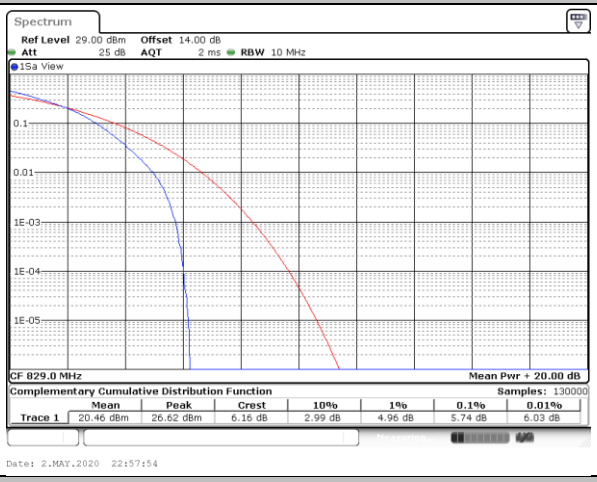
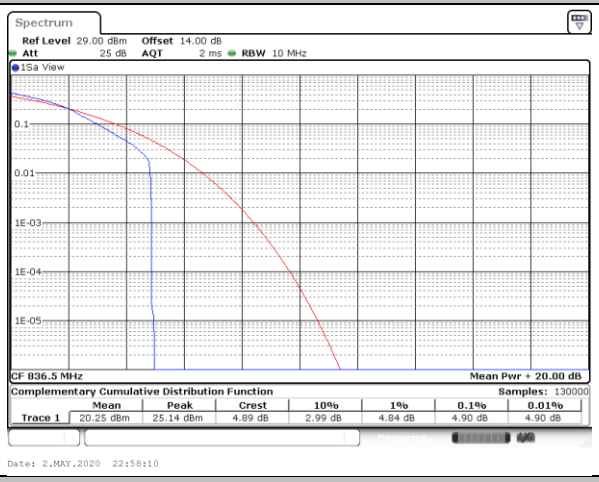
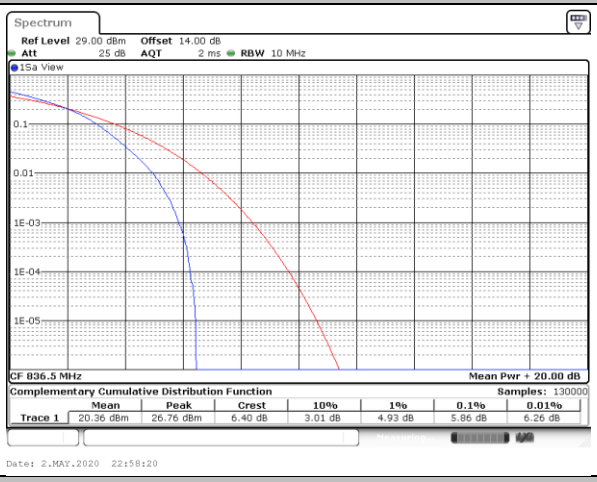
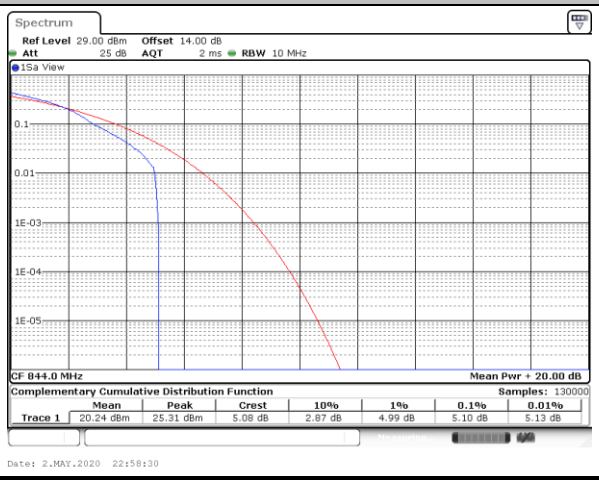
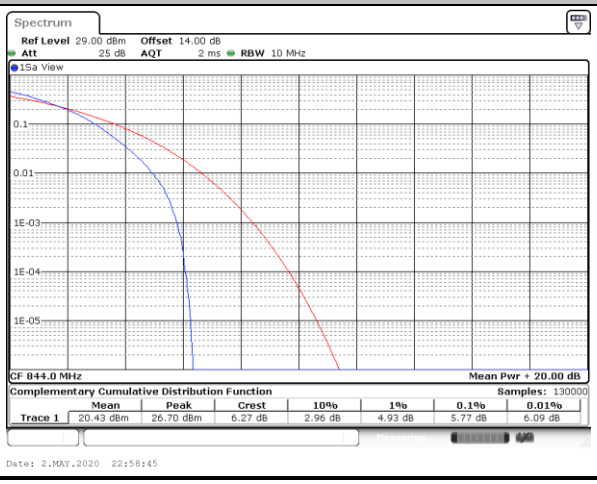
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 5

Peak-to-Average Ratio

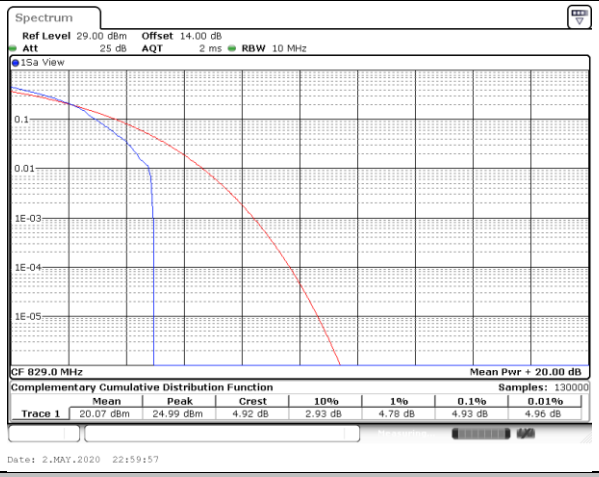
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.68	4.58	5.39	5.74	PASS
Middle CH	3.59	4.84	4.90	5.86	
Highest CH	3.65	4.58	5.10	5.77	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.93	5.71	-	-	PASS
Middle CH	5.16	5.88	-	-	
Highest CH	4.84	5.83	-	-	

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**
	

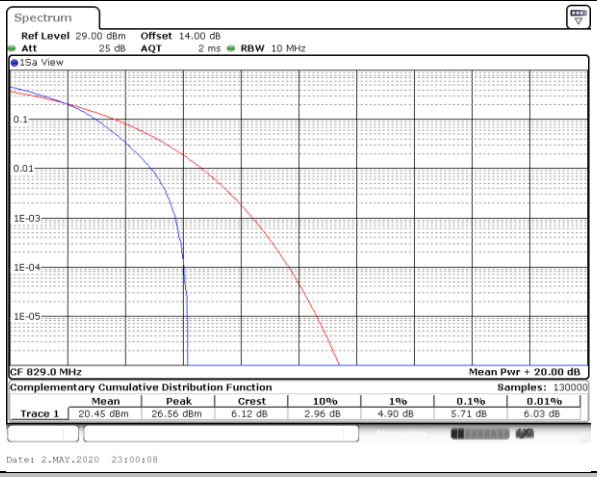
LTE Band 5 / 10MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

LTE Band 5 / 10MHz / 64QAM

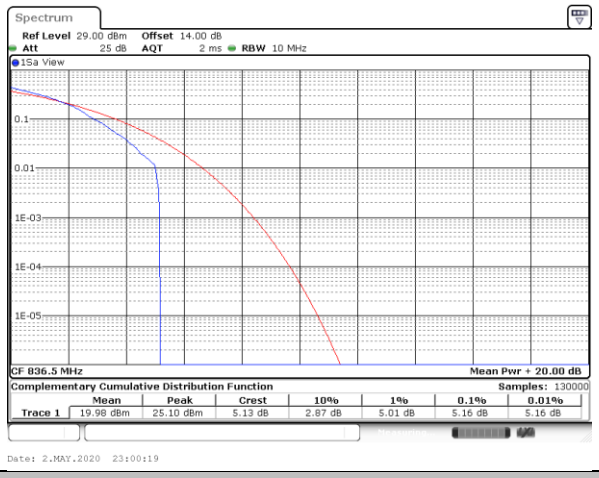
Lowest Channel / 1RB



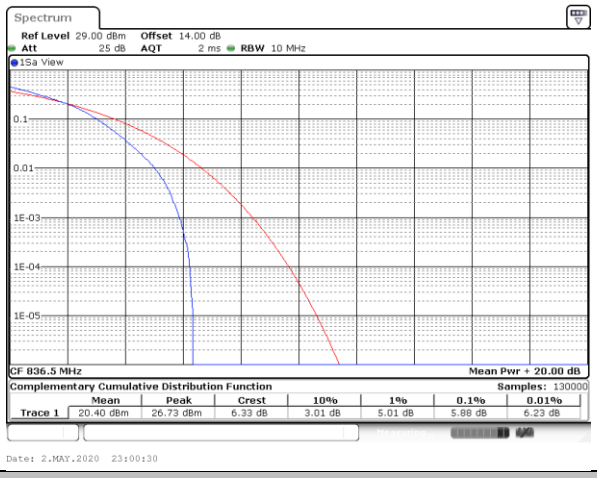
Lowest Channel / Full RB



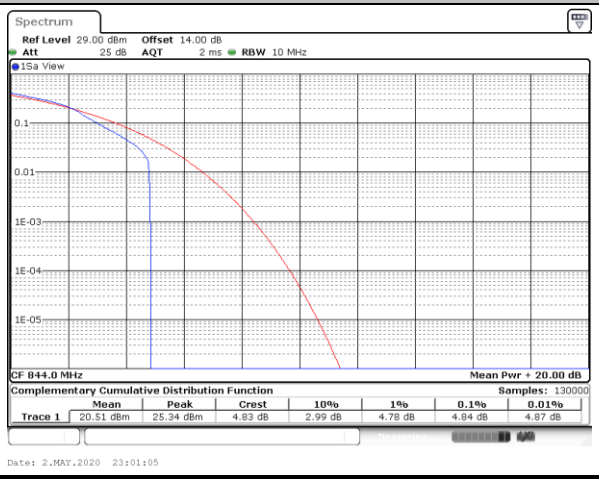
Middle Channel / 1RB



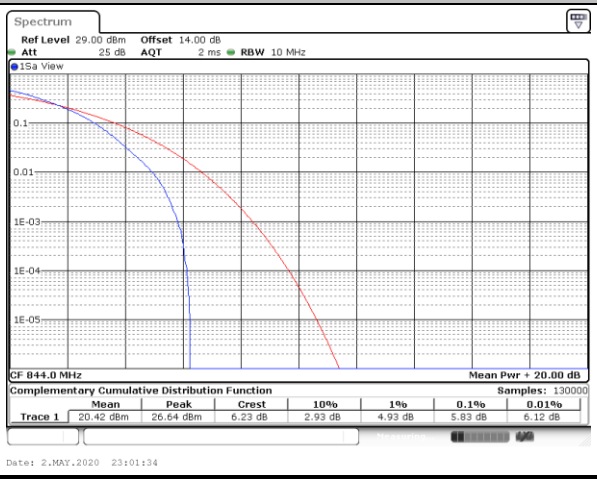
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

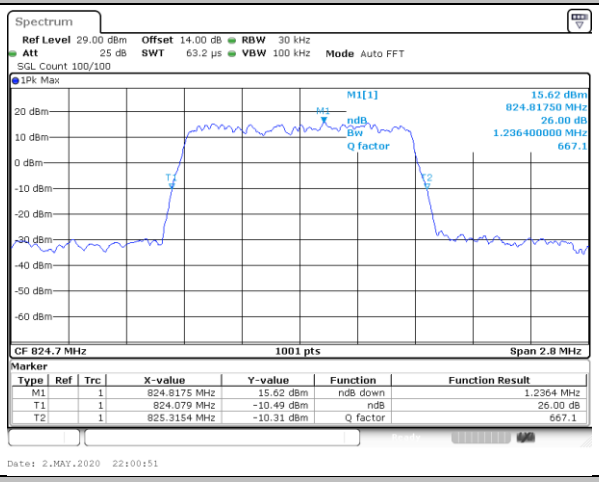


26dB Bandwidth

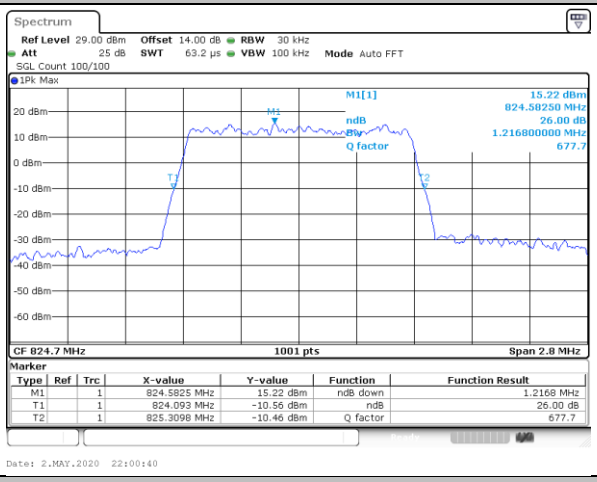
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.22	3.05	3.04	4.91	4.91	9.93	9.65	-	-	-	-
Middle CH	1.24	1.22	3.02	3.07	4.81	4.91	9.71	9.73	-	-	-	-
Highest CH	1.21	1.23	3.03	3.02	4.95	4.91	9.67	9.79	-	-	-	-
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.07	-	4.86	-	9.83	-	-	-	-	-
Middle CH	1.23	-	3.09	-	4.92	-	9.87	-	-	-	-	-
Highest CH	1.22	-	3.07	-	4.93	-	9.87	-	-	-	-	-

LTE Band 5

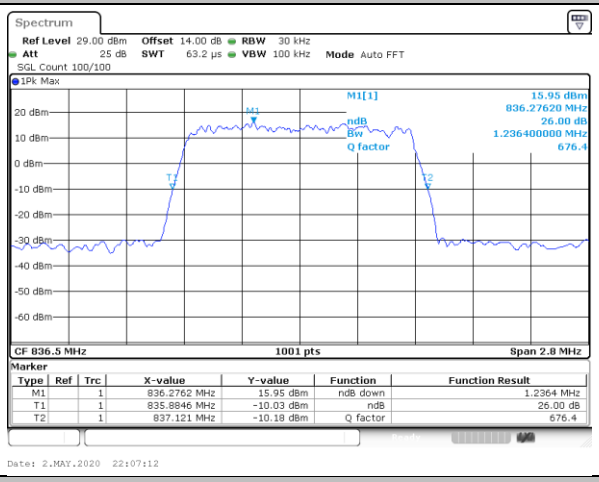
Lowest Channel / 1.4MHz / QPSK



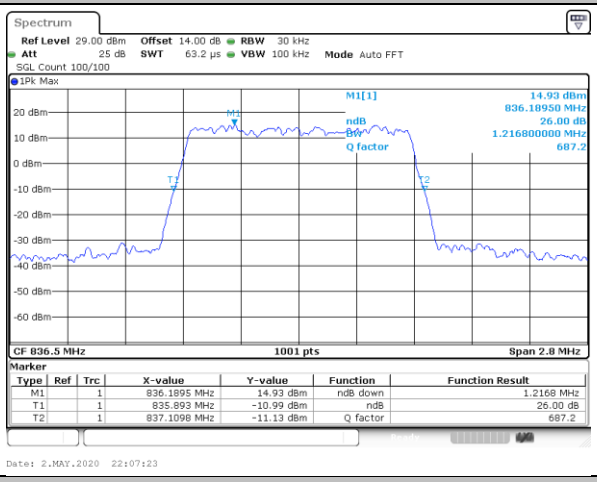
Lowest Channel / 1.4MHz / 16QAM



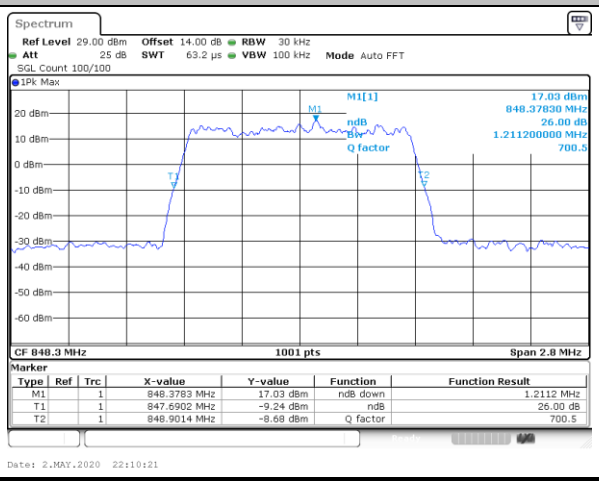
Middle Channel / 1.4MHz / QPSK



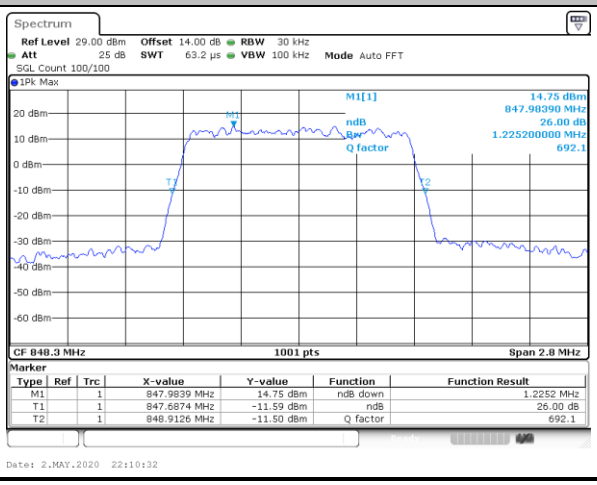
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

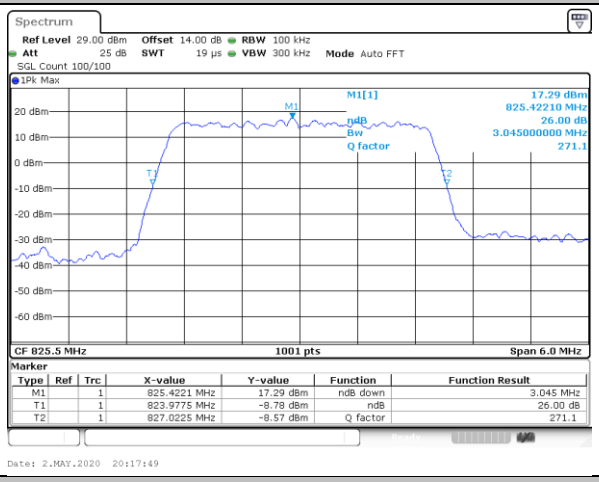


Highest Channel / 1.4MHz / 16QAM

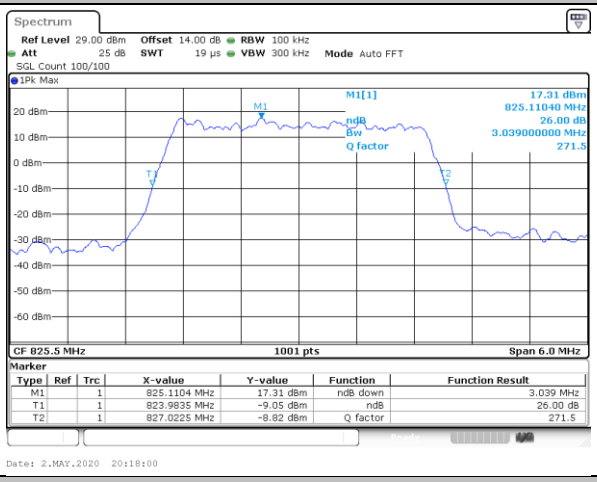


LTE Band 5

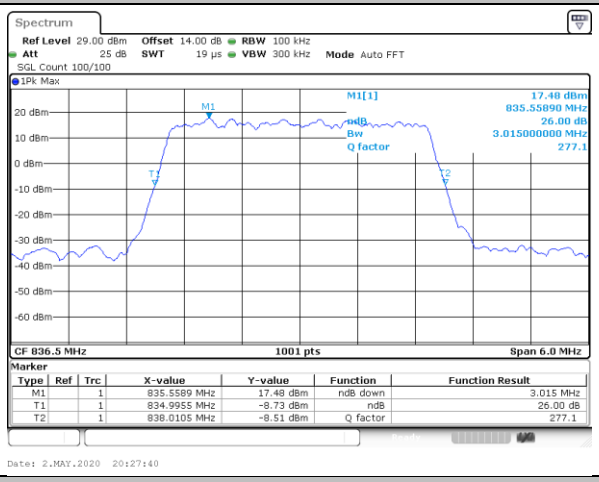
Lowest Channel / 3MHz / QPSK



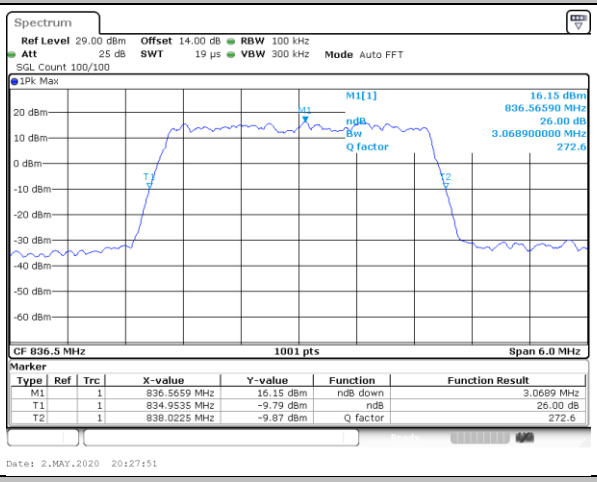
Lowest Channel / 3MHz / 16QAM



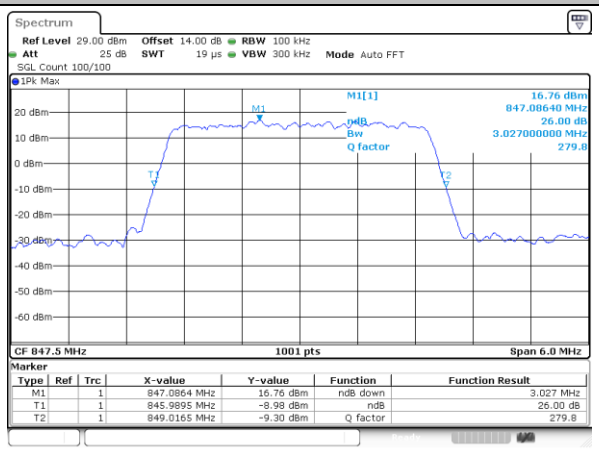
Middle Channel / 3MHz / QPSK



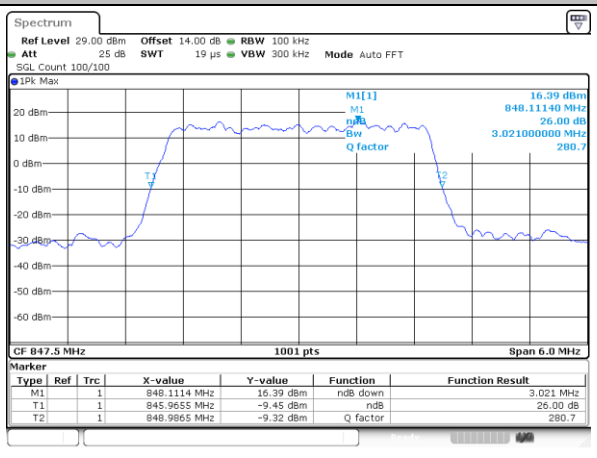
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

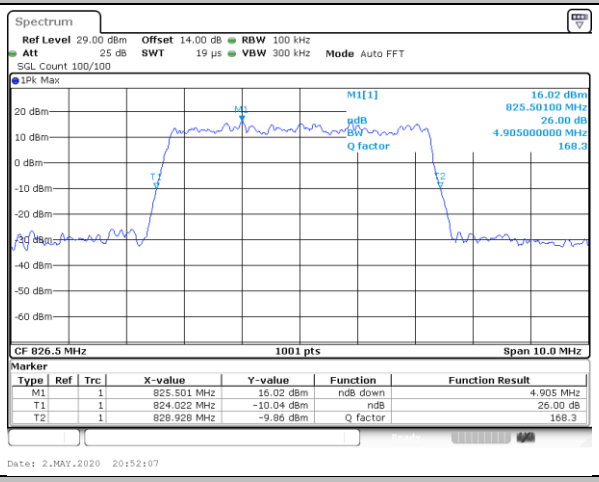


Highest Channel / 3MHz / 16QAM

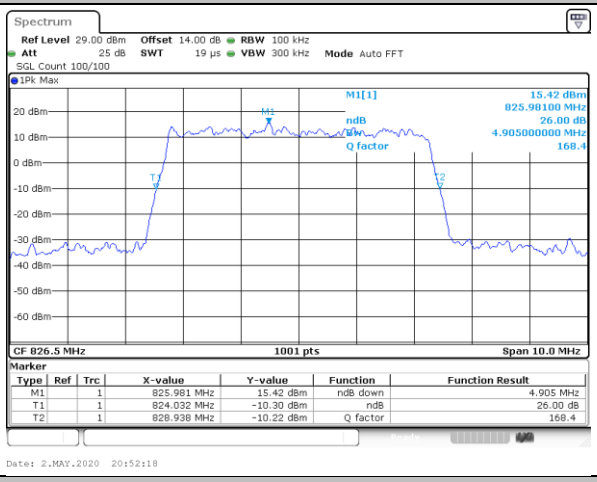


LTE Band 5

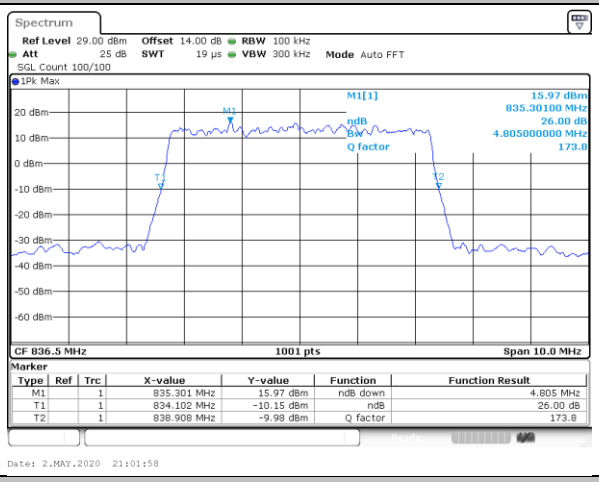
Lowest Channel / 5MHz / QPSK



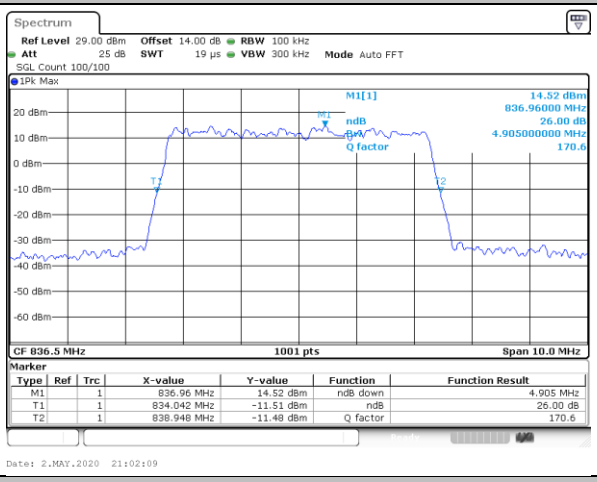
Lowest Channel / 5MHz / 16QAM



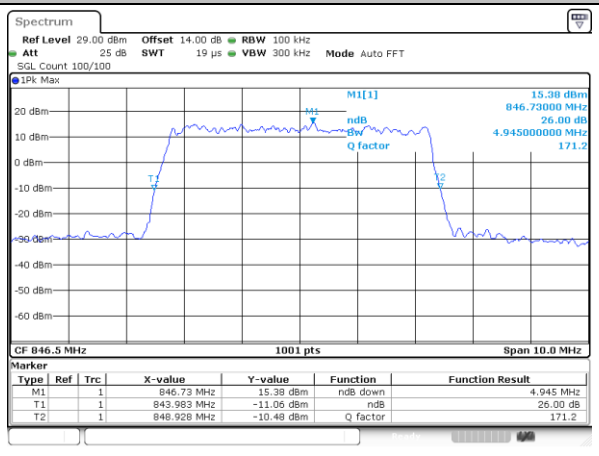
Middle Channel / 5MHz / QPSK



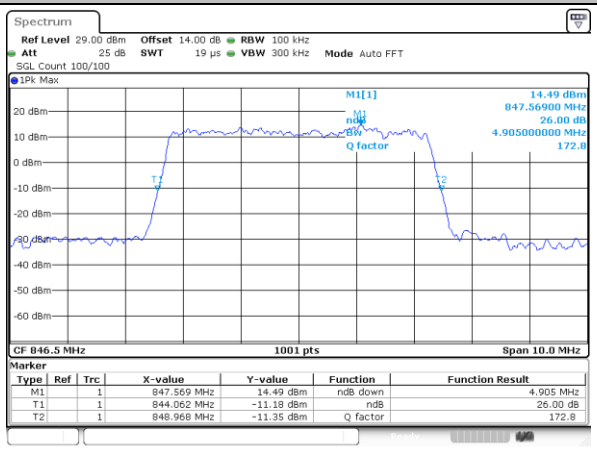
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

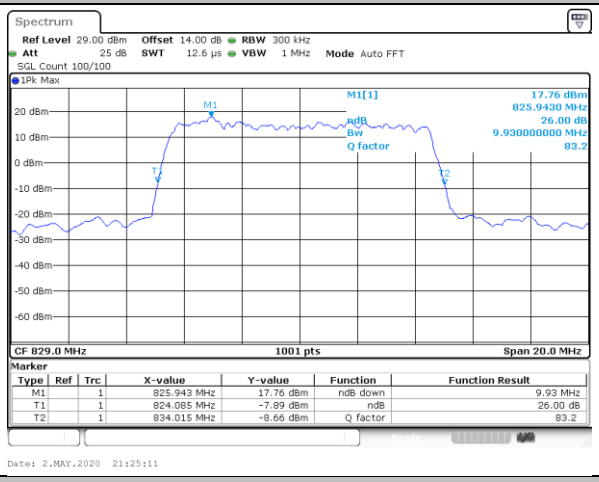


Highest Channel / 5MHz / 16QAM

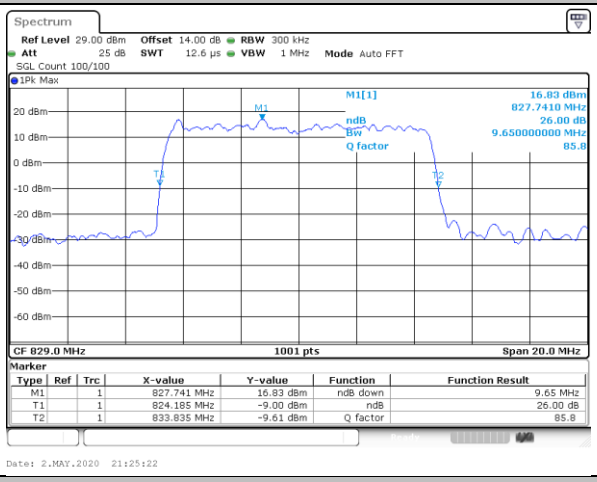


LTE Band 5

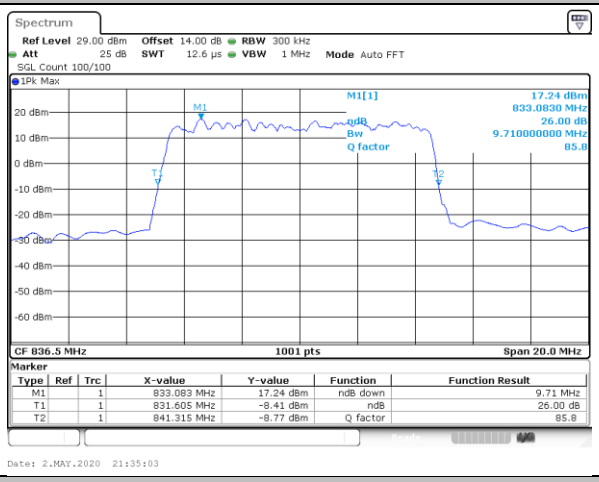
Lowest Channel / 10MHz / QPSK



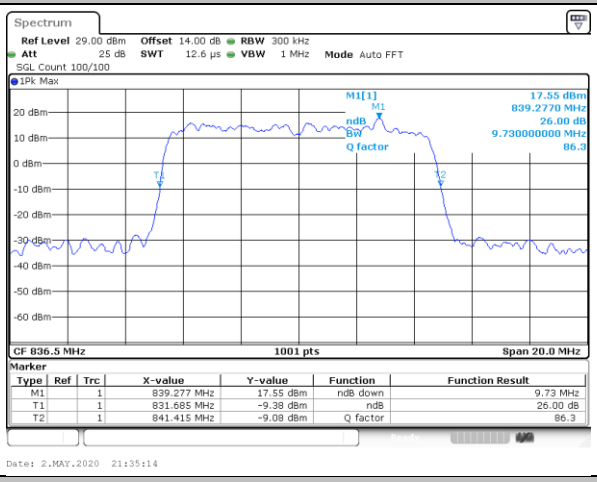
Lowest Channel / 10MHz / 16QAM



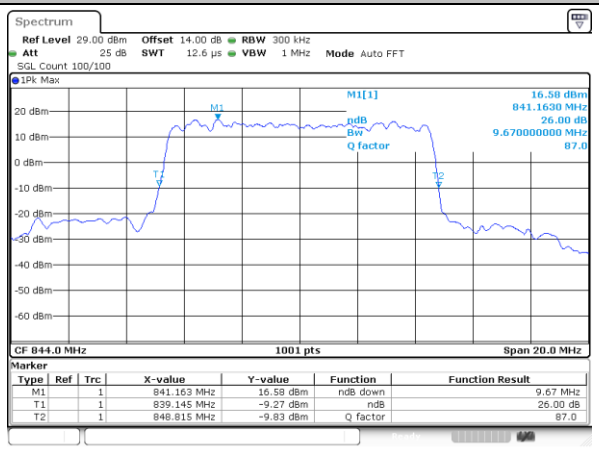
Middle Channel / 10MHz / QPSK



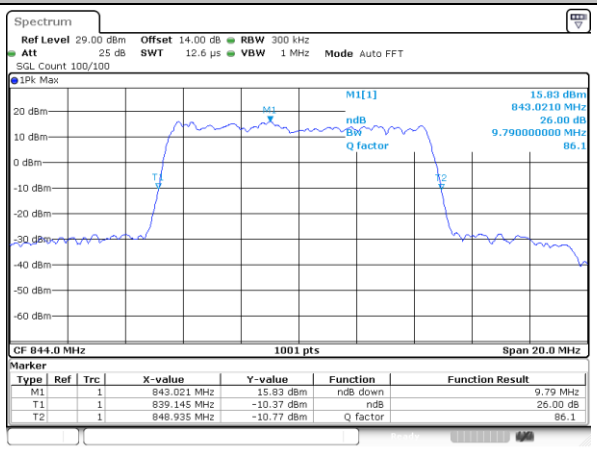
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

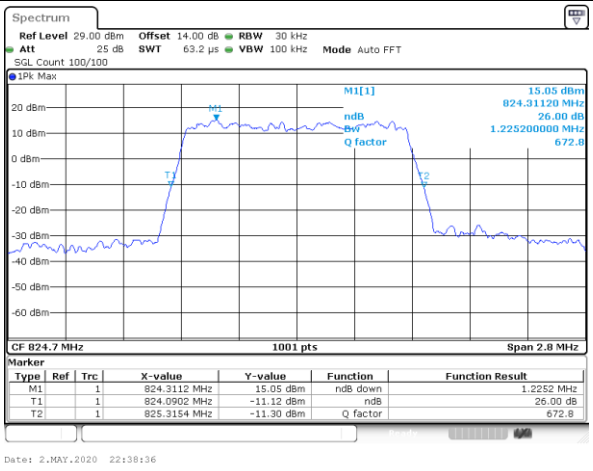


Highest Channel / 10MHz / 16QAM

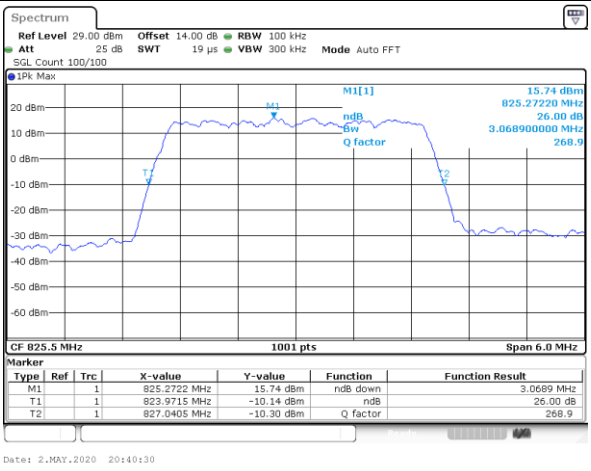


LTE Band 5

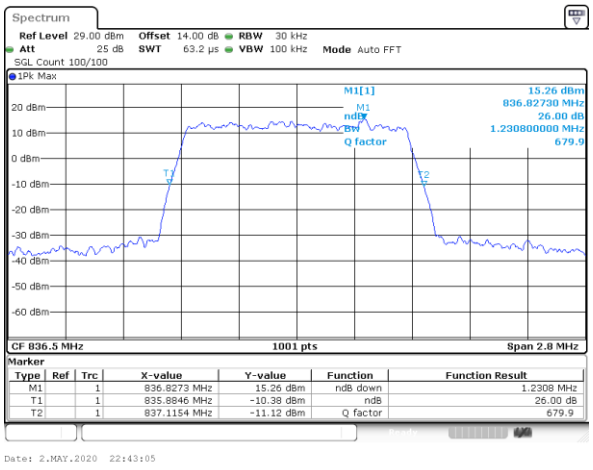
Lowest Channel / 1.4MHz / 64QAM



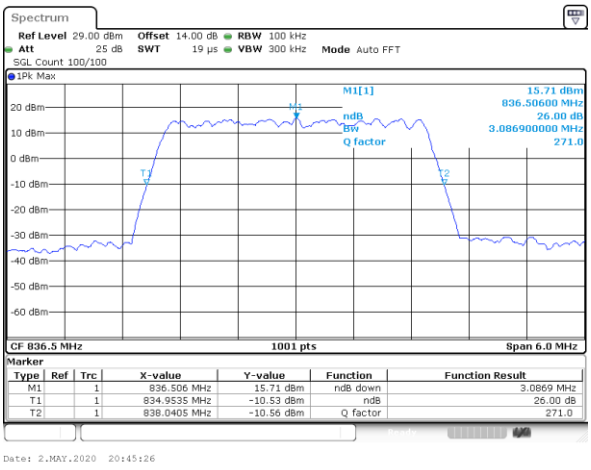
Lowest Channel / 3MHz / 64QAM



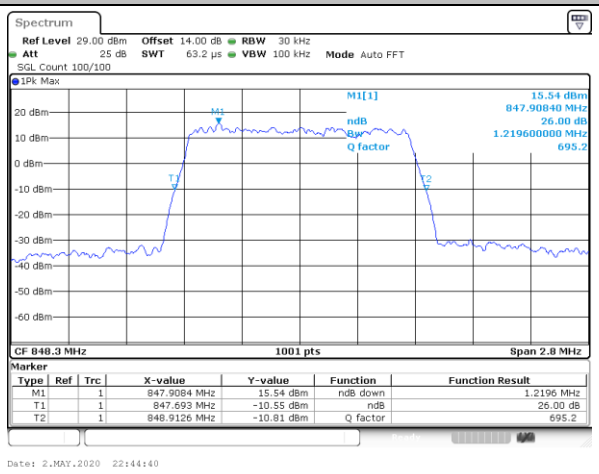
Middle Channel / 1.4MHz / 64QAM



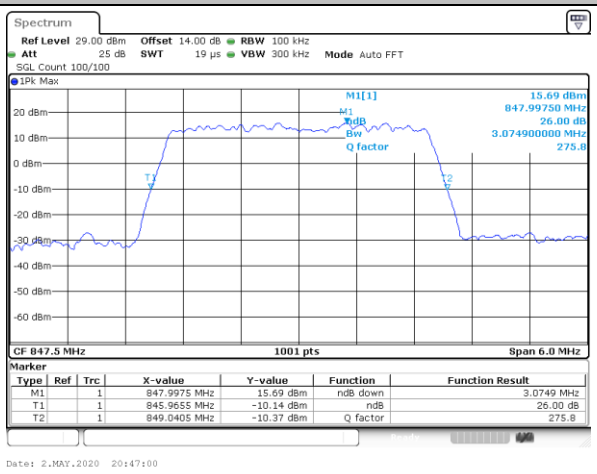
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

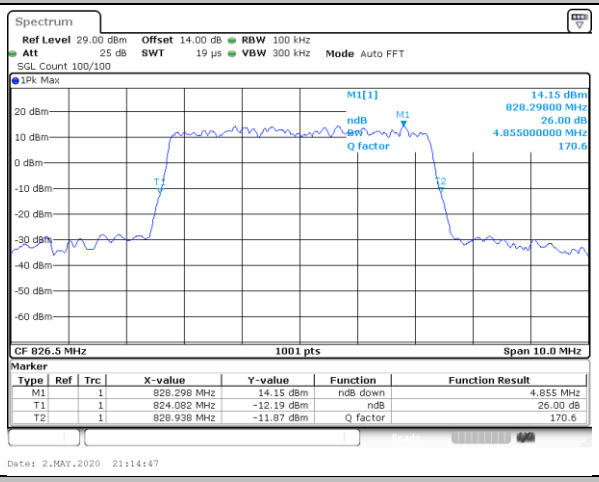


Highest Channel / 3MHz / 64QAM

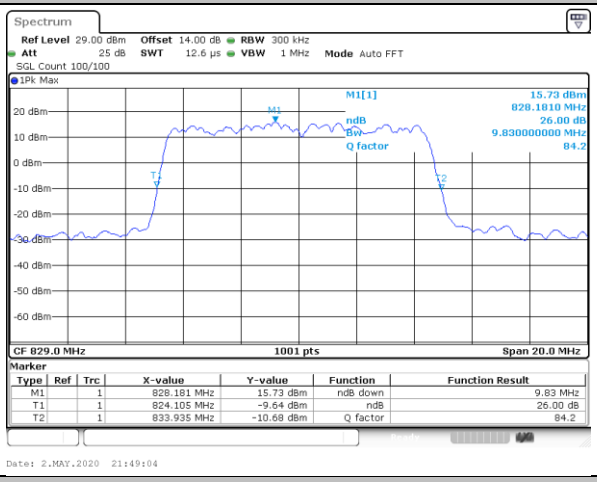


LTE Band 5

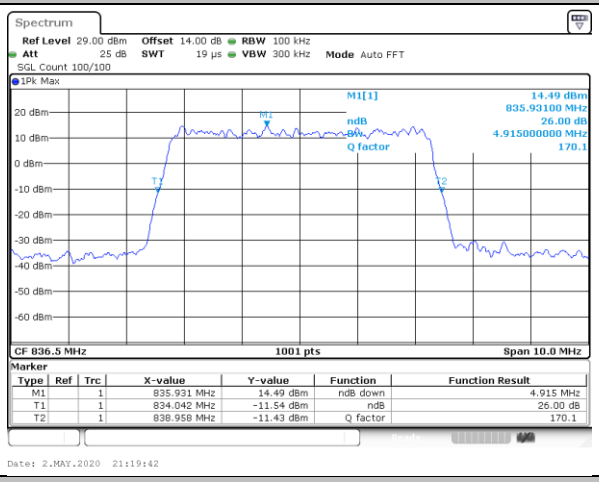
Lowest Channel / 5MHz / 64QAM



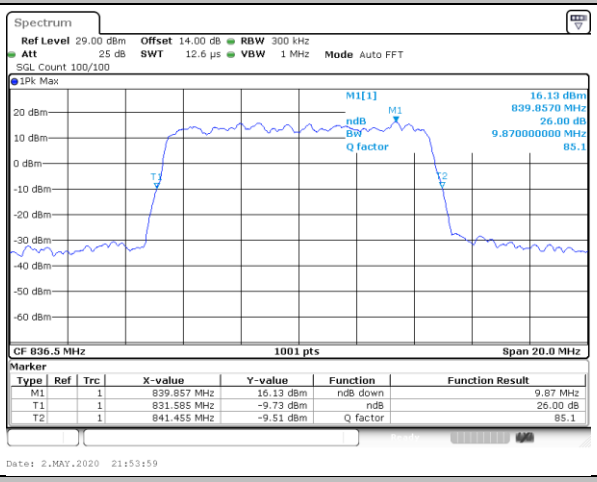
Lowest Channel / 10MHz / 64QAM



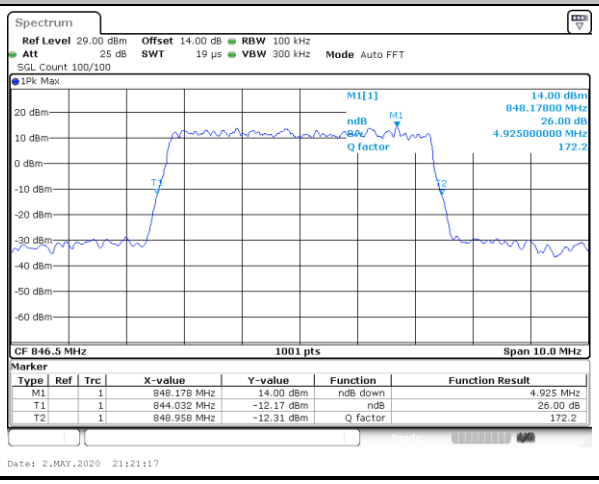
Middle Channel / 5MHz / 64QAM



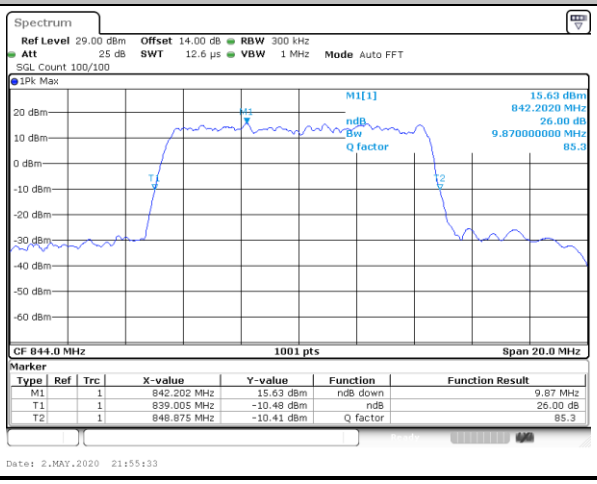
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

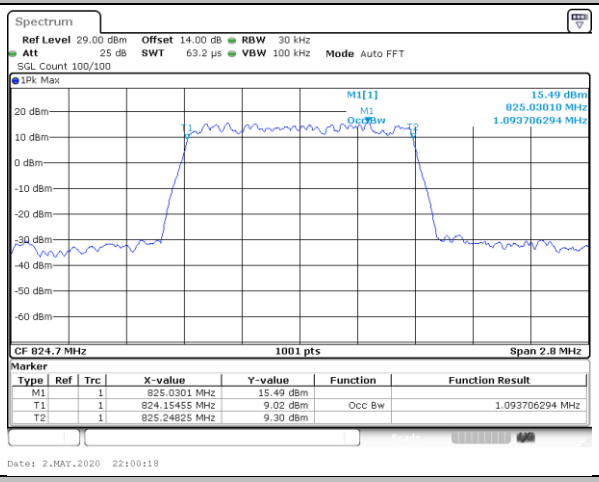


Occupied Bandwidth

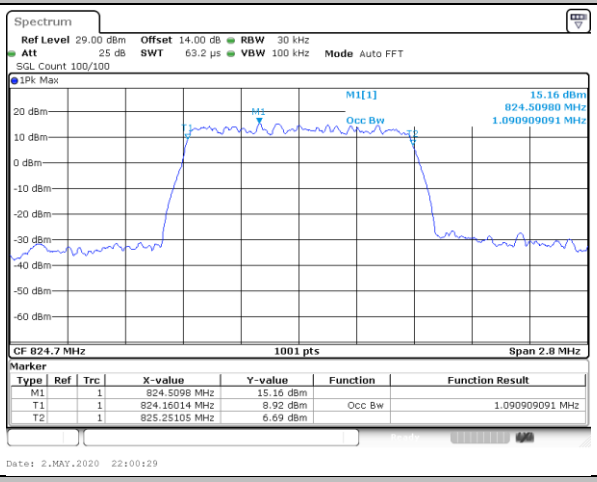
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.71	4.48	4.47	9.01	9.01	-	-	-	-
Middle CH	1.09	1.08	2.70	2.70	4.50	4.49	9.05	8.99	-	-	-	-
Highest CH	1.09	1.09	2.72	2.70	4.50	4.50	8.99	8.99	-	-	-	-
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.48	-	8.93	-	-	-	-	-
Middle CH	1.09	-	2.74	-	4.51	-	9.01	-	-	-	-	-
Highest CH	1.08	-	2.74	-	4.49	-	8.97	-	-	-	-	-

LTE Band 5

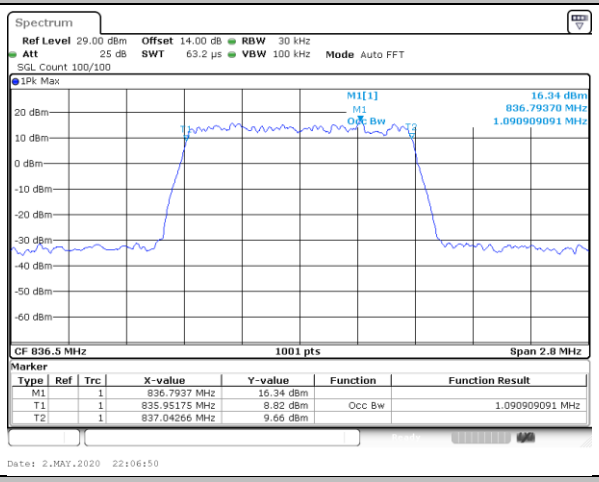
Lowest Channel / 1.4MHz / QPSK



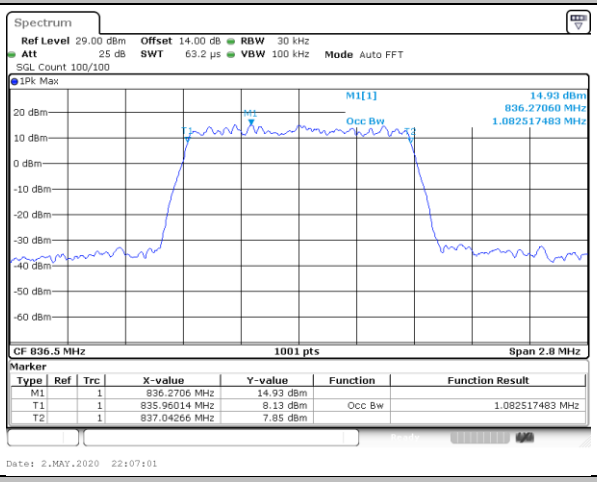
Lowest Channel / 1.4MHz / 16QAM



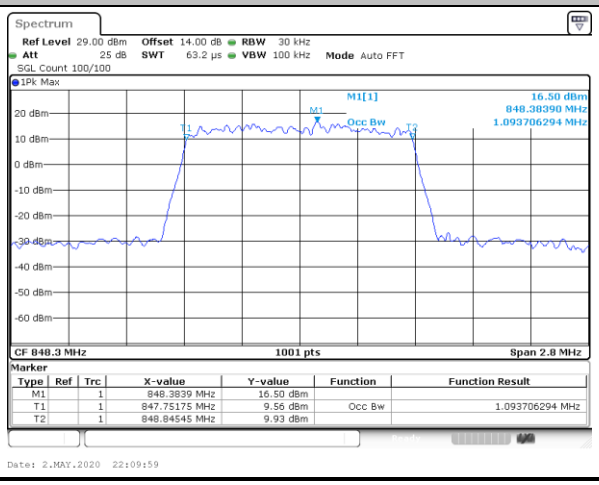
Middle Channel / 1.4MHz / QPSK



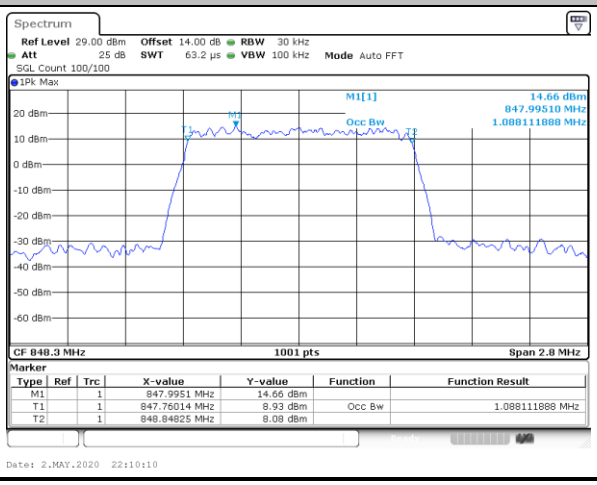
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

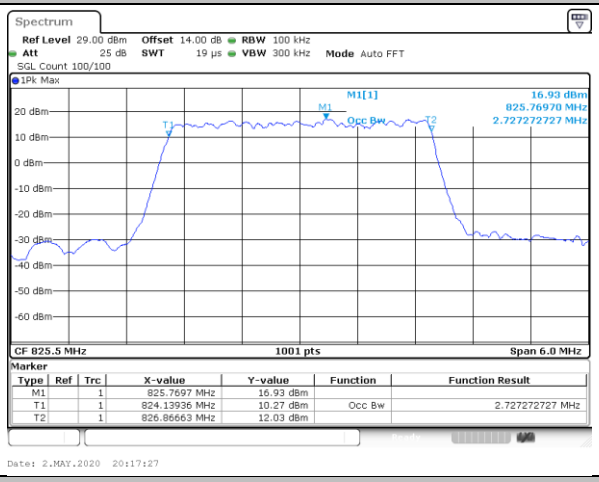


Highest Channel / 1.4MHz / 16QAM

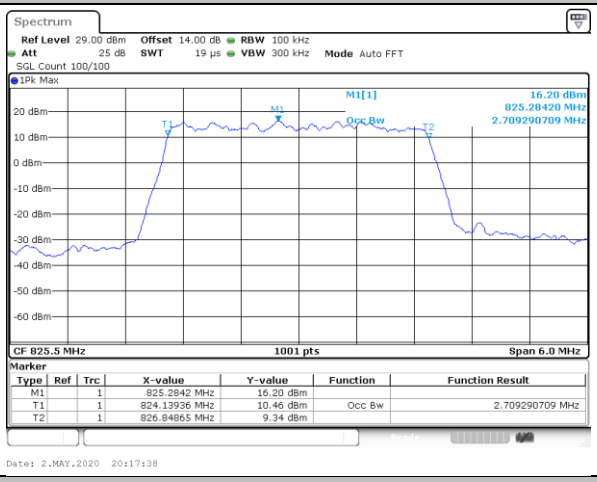


LTE Band 5

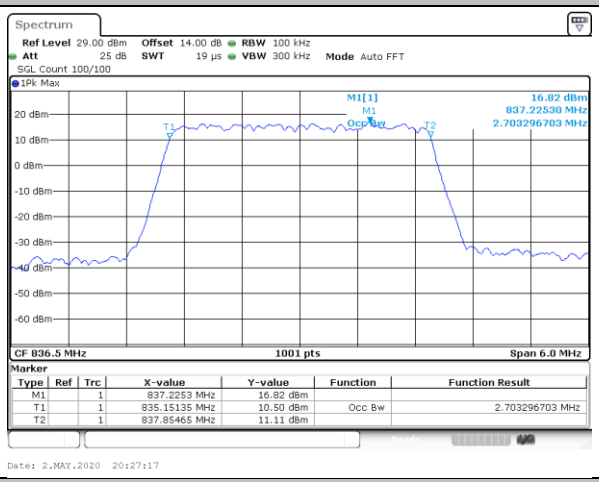
Lowest Channel / 3MHz / QPSK



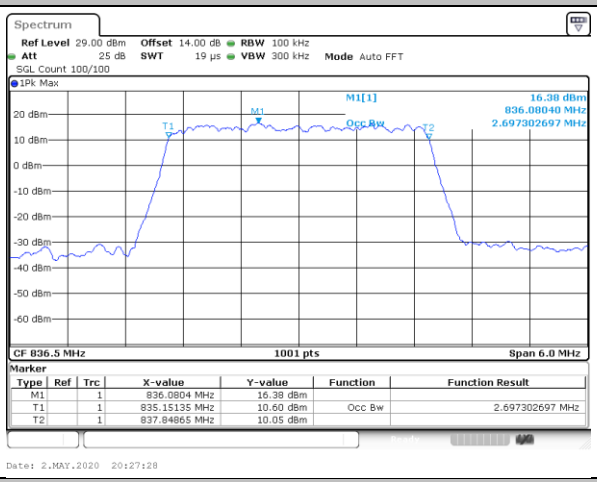
Lowest Channel / 3MHz / 16QAM



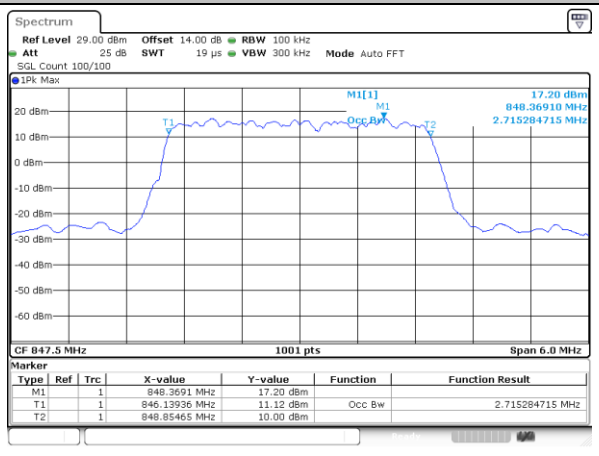
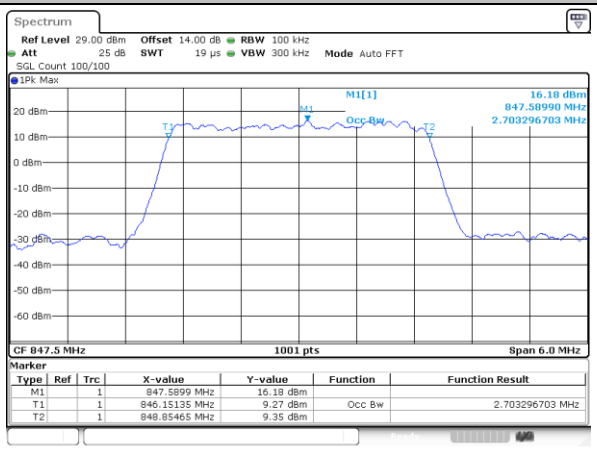
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM