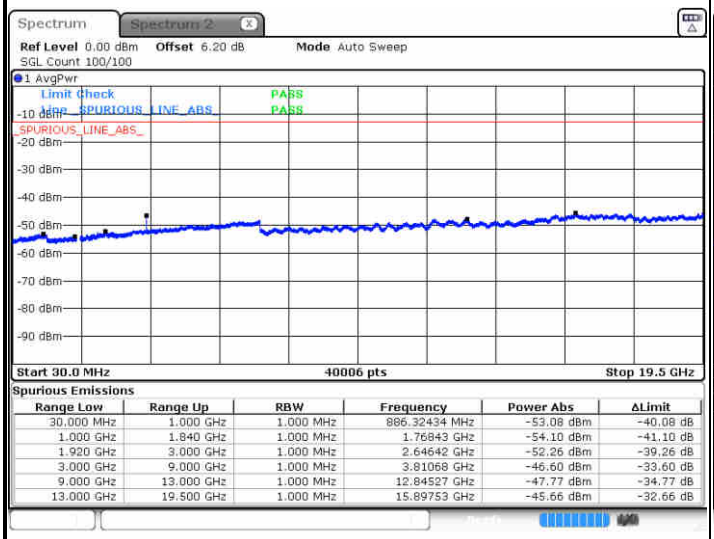
LTE Band 2 / 5MHz

Highest Channel / QPSK

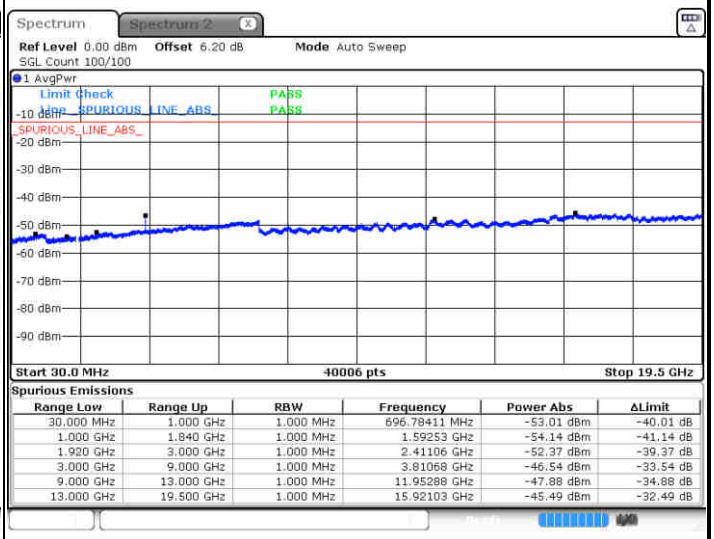


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.32434 MHz	-53.08 dBm	-40.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76843 GHz	-54.10 dBm	-41.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64642 GHz	-52.26 dBm	-39.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-46.60 dBm	-33.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84527 GHz	-47.77 dBm	-34.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89753 GHz	-45.66 dBm	-32.66 dB

Date: 11.FEB.2020 11:45:28

Highest Channel / 16QAM



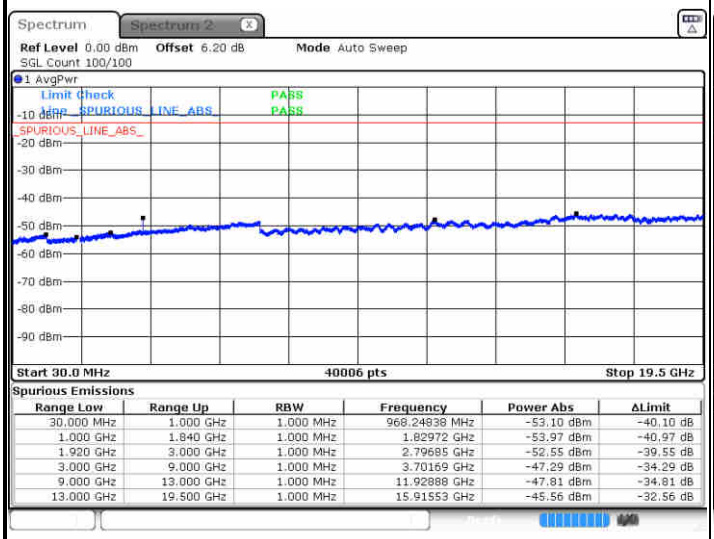
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	696.78411 MHz	-53.01 dBm	-40.01 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.59253 GHz	-54.14 dBm	-41.14 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.41106 GHz	-52.37 dBm	-39.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-46.54 dBm	-33.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95288 GHz	-47.88 dBm	-34.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92103 GHz	-45.49 dBm	-32.49 dB

Date: 11.FEB.2020 11:46:23

LTE Band 2 / 10MHz

Lowest Channel / QPSK

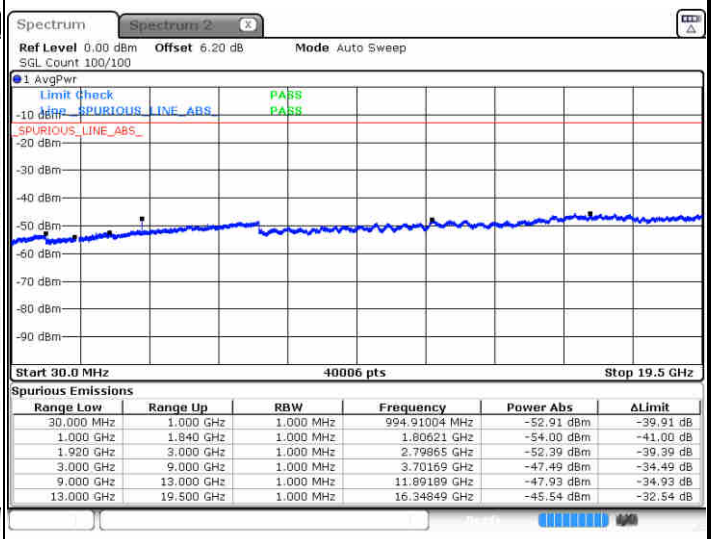


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.24838 MHz	-53.10 dBm	-40.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82972 GHz	-53.97 dBm	-40.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.79685 GHz	-52.55 dBm	-39.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.29 dBm	-34.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.92888 GHz	-47.81 dBm	-34.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91553 GHz	-45.56 dBm	-32.56 dB

Date: 11.FEB.2020 11:52:27

Lowest Channel / 16QAM



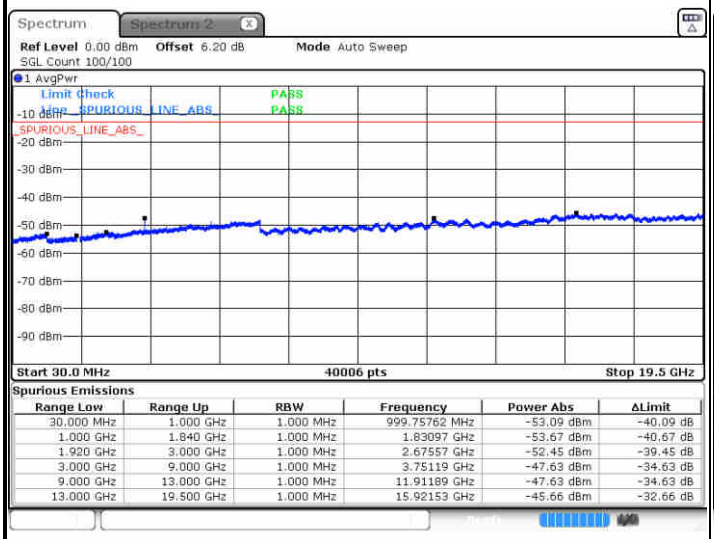
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-52.91 dBm	-39.91 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80621 GHz	-54.00 dBm	-41.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.79865 GHz	-52.39 dBm	-39.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.49 dBm	-34.49 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.89189 GHz	-47.93 dBm	-34.93 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.34849 GHz	-45.54 dBm	-32.54 dB

Date: 11.FEB.2020 11:53:22

LTE Band 2 / 10MHz

Middle Channel / QPSK

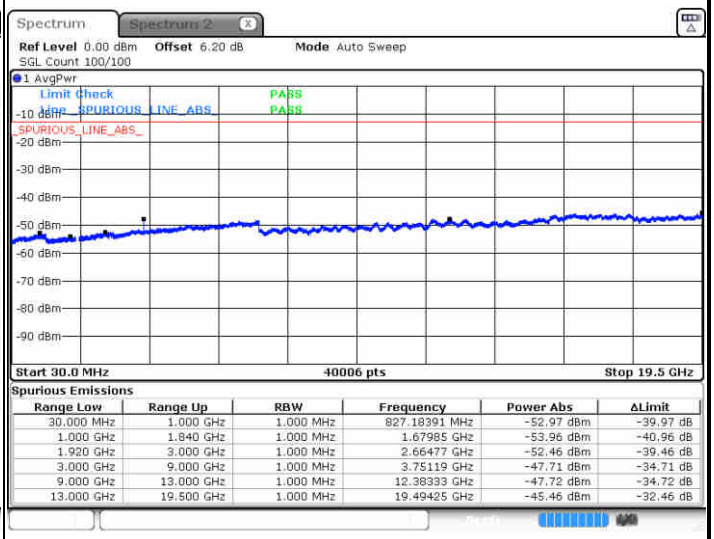


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-53.09 dBm	-40.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-53.67 dBm	-40.67 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67557 GHz	-52.45 dBm	-39.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-47.63 dBm	-34.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91189 GHz	-47.63 dBm	-34.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92153 GHz	-45.66 dBm	-32.66 dB

Date: 11.FEB.2020 11:54:56

Middle Channel / 16QAM

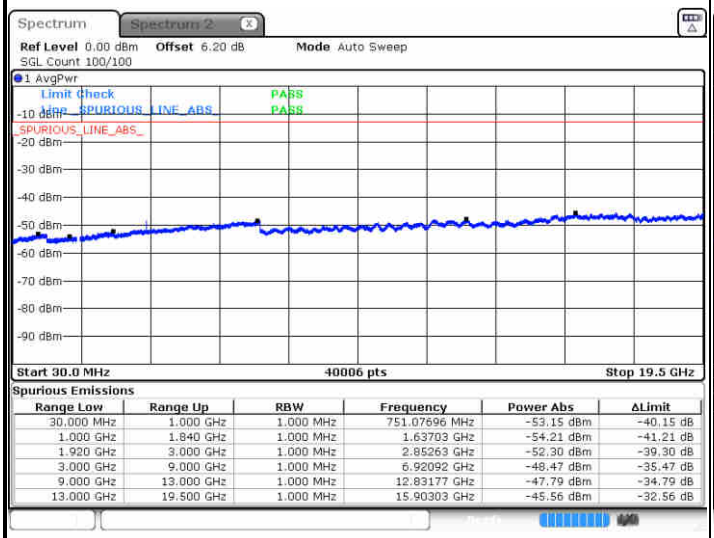


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	827.18391 MHz	-52.97 dBm	-39.97 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67985 GHz	-53.96 dBm	-40.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66477 GHz	-52.46 dBm	-39.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-47.71 dBm	-34.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.38333 GHz	-47.72 dBm	-34.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.49425 GHz	-45.46 dBm	-32.46 dB

Date: 11.FEB.2020 11:55:51

Highest Channel / QPSK

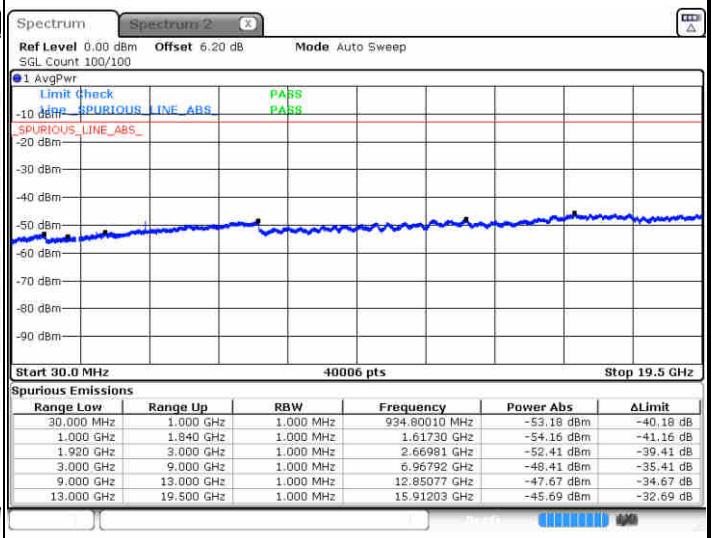


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	751.07696 MHz	-53.15 dBm	-40.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63703 GHz	-54.21 dBm	-41.21 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85263 GHz	-52.30 dBm	-39.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92092 GHz	-48.47 dBm	-35.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83177 GHz	-47.79 dBm	-34.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90303 GHz	-45.56 dBm	-32.56 dB

Date: 11.FEB.2020 12:01:55

Highest Channel / 16QAM



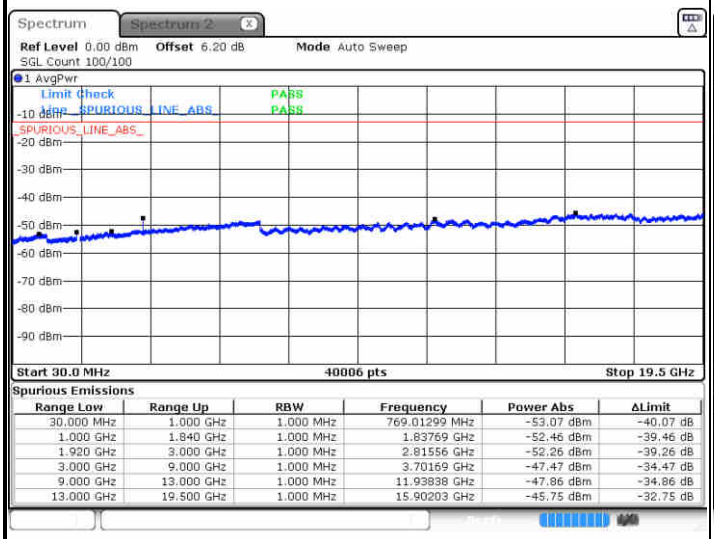
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	934.80010 MHz	-53.18 dBm	-40.18 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61730 GHz	-54.16 dBm	-41.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66981 GHz	-52.41 dBm	-39.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96792 GHz	-48.41 dBm	-35.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85077 GHz	-47.67 dBm	-34.67 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91203 GHz	-45.69 dBm	-32.69 dB

Date: 11.FEB.2020 12:02:50

LTE Band 2 / 15MHz

Lowest Channel / QPSK

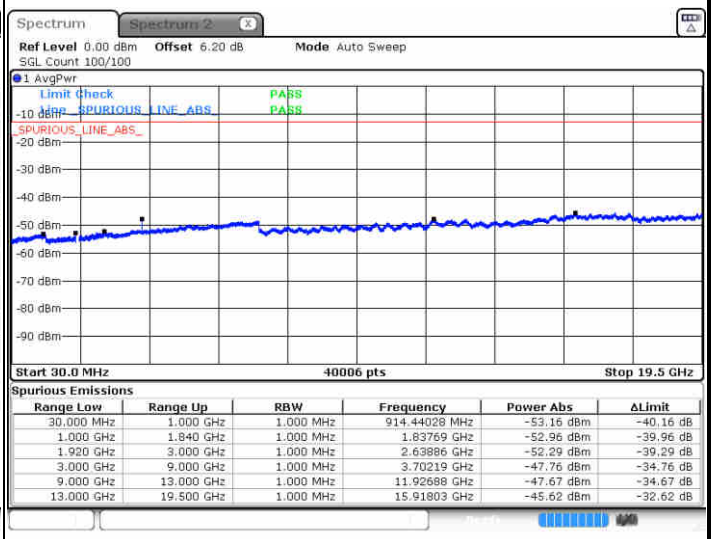


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	769.01299 MHz	-53.07 dBm	-40.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-52.46 dBm	-39.46 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81556 GHz	-52.26 dBm	-39.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.47 dBm	-34.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93838 GHz	-47.86 dBm	-34.86 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90203 GHz	-45.75 dBm	-32.75 dB

Date: 11.FEB.2020 12:08:55

Lowest Channel / 16QAM

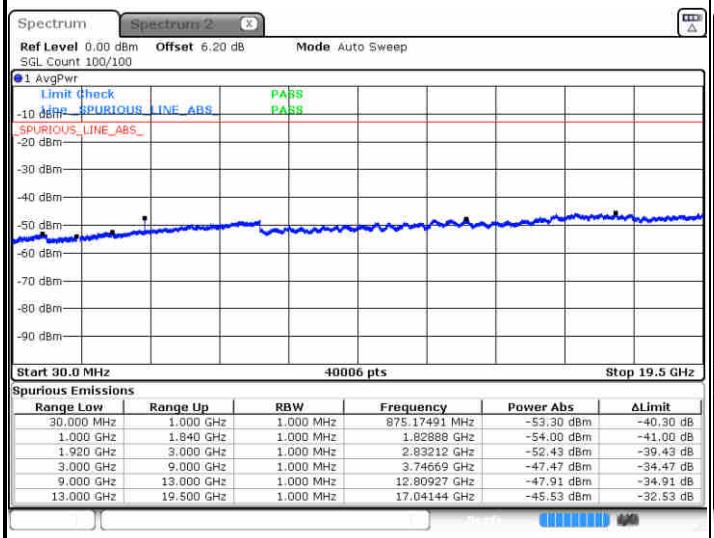


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-53.16 dBm	-40.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-52.96 dBm	-39.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63886 GHz	-52.29 dBm	-39.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-47.76 dBm	-34.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.92688 GHz	-47.67 dBm	-34.67 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91803 GHz	-45.62 dBm	-32.62 dB

Date: 11.FEB.2020 12:09:49

Middle Channel / QPSK

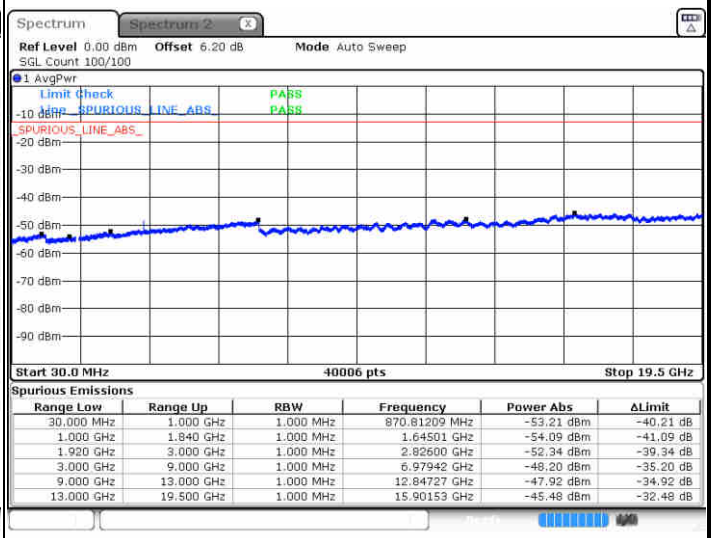


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.17491 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-54.00 dBm	-41.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83212 GHz	-52.43 dBm	-39.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-47.47 dBm	-34.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.80927 GHz	-47.91 dBm	-34.91 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04144 GHz	-45.53 dBm	-32.53 dB

Date: 11.FEB.2020 12:11:24

Middle Channel / 16QAM



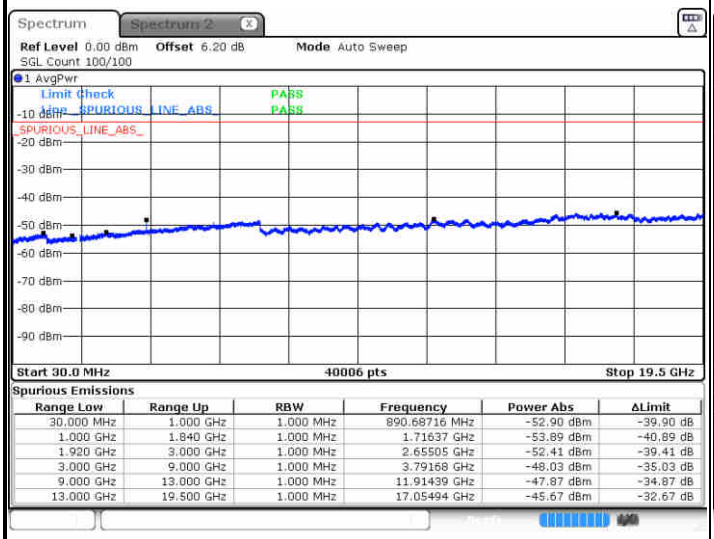
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-53.21 dBm	-40.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64501 GHz	-54.09 dBm	-41.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82600 GHz	-52.34 dBm	-39.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97942 GHz	-48.20 dBm	-35.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84727 GHz	-47.92 dBm	-34.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90153 GHz	-45.48 dBm	-32.48 dB

Date: 11.FEB.2020 12:12:19

LTE Band 2 / 15MHz

Highest Channel / QPSK

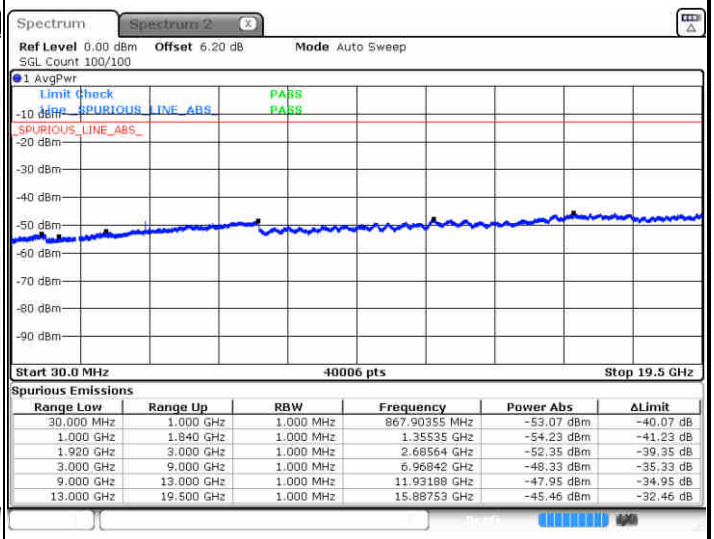


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.68716 MHz	-52.90 dBm	-39.90 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71637 GHz	-53.89 dBm	-40.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65505 GHz	-52.41 dBm	-39.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79168 GHz	-48.03 dBm	-35.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91439 GHz	-47.87 dBm	-34.87 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.05494 GHz	-45.67 dBm	-32.67 dB

Date: 11.FEB.2020 12:18:23

Highest Channel / 16QAM



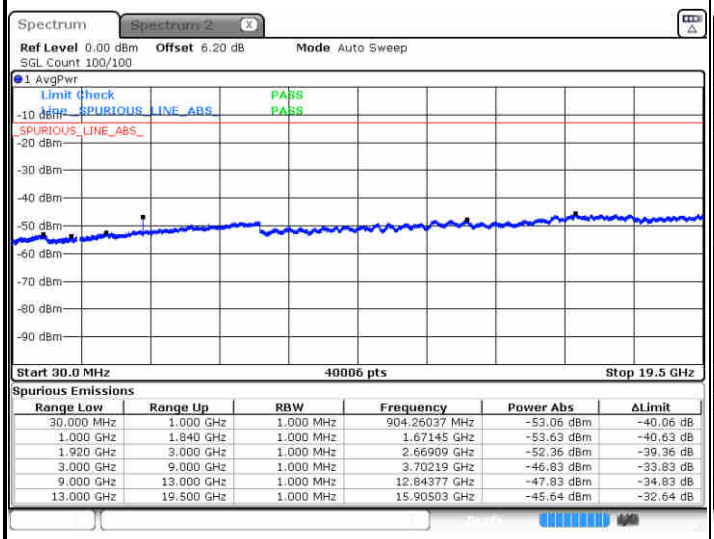
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	867.90355 MHz	-53.07 dBm	-40.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.35535 GHz	-54.23 dBm	-41.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68564 GHz	-52.35 dBm	-39.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96842 GHz	-48.33 dBm	-35.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93188 GHz	-47.95 dBm	-34.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.88753 GHz	-45.46 dBm	-32.46 dB

Date: 11.FEB.2020 12:19:18

LTE Band 2 / 20MHz

Lowest Channel / QPSK

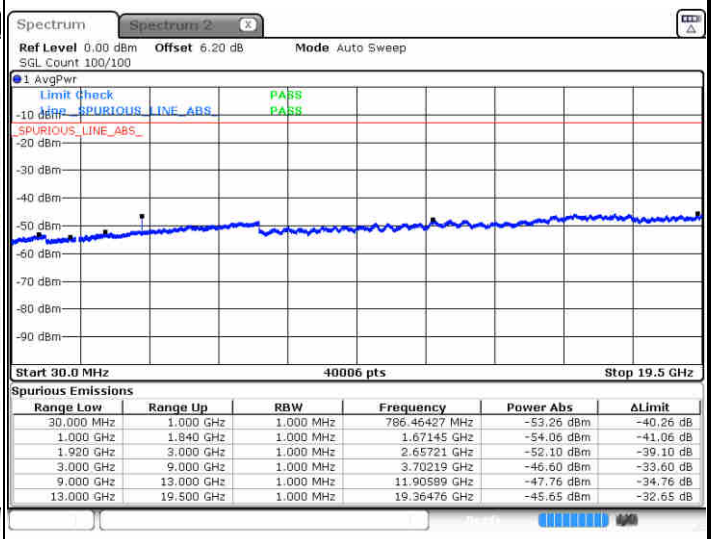


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-53.06 dBm	-40.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67145 GHz	-53.63 dBm	-40.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66909 GHz	-52.36 dBm	-39.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-46.83 dBm	-33.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84377 GHz	-47.83 dBm	-34.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90503 GHz	-45.64 dBm	-32.64 dB

Date: 11.FEB.2020 12:25:23

Lowest Channel / 16QAM



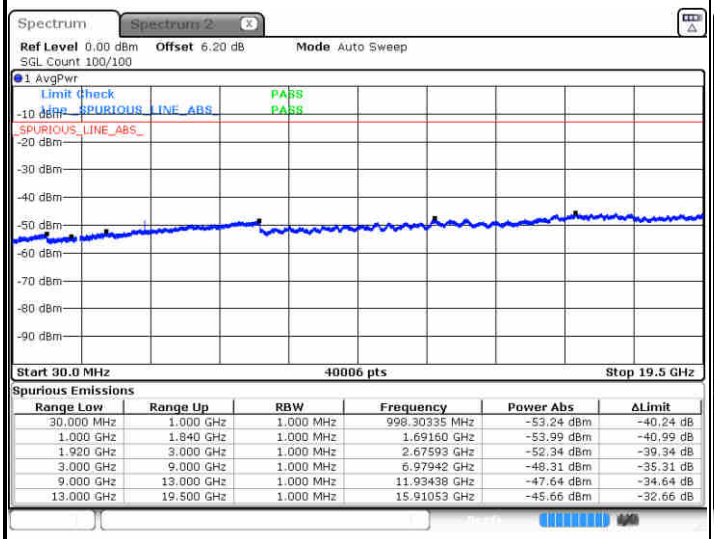
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	786.46427 MHz	-53.26 dBm	-40.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67145 GHz	-54.06 dBm	-41.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65721 GHz	-52.10 dBm	-39.10 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-46.60 dBm	-33.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.90589 GHz	-47.76 dBm	-34.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	19.36476 GHz	-45.65 dBm	-32.65 dB

Date: 11.FEB.2020 12:26:17

LTE Band 2 / 20MHz

Middle Channel / QPSK

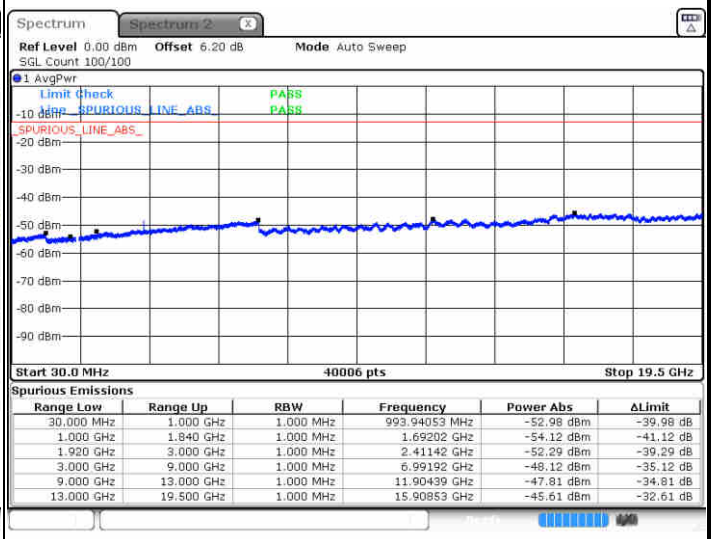


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-53.24 dBm	-40.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69160 GHz	-53.99 dBm	-40.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67593 GHz	-52.34 dBm	-39.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97942 GHz	-48.31 dBm	-35.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93438 GHz	-47.64 dBm	-34.64 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91053 GHz	-45.66 dBm	-32.66 dB

Date: 11.FEB.2020 12:27:52

Middle Channel / 16QAM

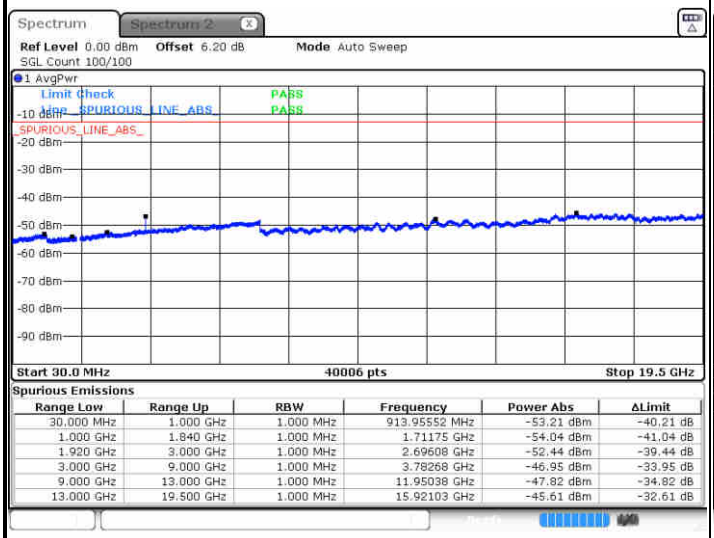


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-52.98 dBm	-39.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69202 GHz	-54.12 dBm	-41.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.41142 GHz	-52.29 dBm	-39.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-48.12 dBm	-35.12 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.90439 GHz	-47.81 dBm	-34.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90853 GHz	-45.61 dBm	-32.61 dB

Date: 11.FEB.2020 12:28:46

Highest Channel / QPSK

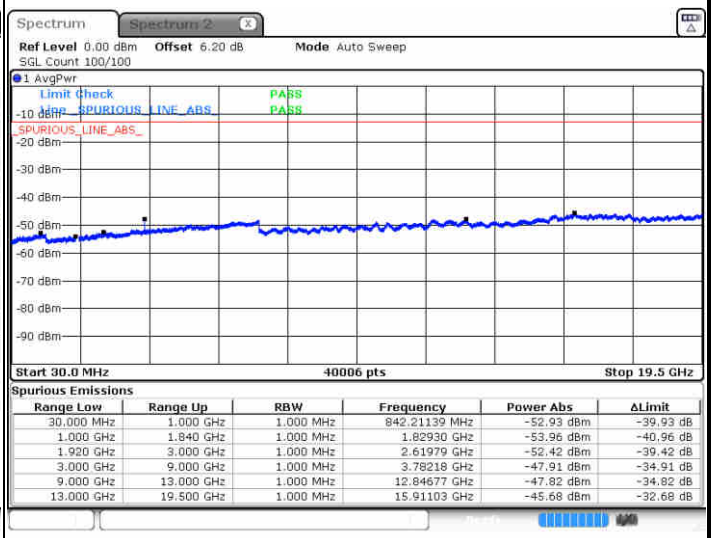


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-53.21 dBm	-40.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.71175 GHz	-54.04 dBm	-41.04 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69608 GHz	-52.44 dBm	-39.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78268 GHz	-46.95 dBm	-33.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95038 GHz	-47.82 dBm	-34.82 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92103 GHz	-45.61 dBm	-32.61 dB

Date: 11.FEB.2020 12:34:51

Highest Channel / 16QAM



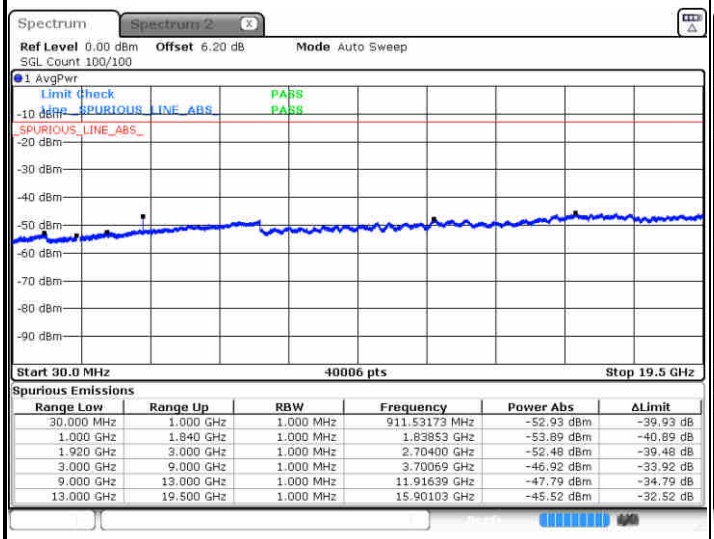
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	842.21139 MHz	-52.93 dBm	-39.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82930 GHz	-53.96 dBm	-40.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61979 GHz	-52.42 dBm	-39.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.78218 GHz	-47.91 dBm	-34.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84677 GHz	-47.82 dBm	-34.82 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91103 GHz	-45.68 dBm	-32.68 dB

Date: 11.FEB.2020 12:35:46

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

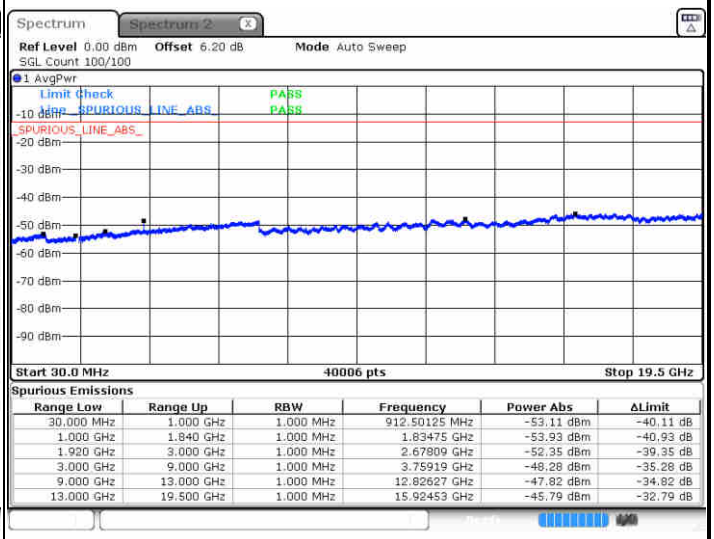


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.53173 MHz	-52.93 dBm	-39.93 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83853 GHz	-53.89 dBm	-40.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.70400 GHz	-52.48 dBm	-39.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-46.92 dBm	-33.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.91639 GHz	-47.79 dBm	-34.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90103 GHz	-45.52 dBm	-32.52 dB

Date: 11.FEB.2020 13:32:16

Middle Channel / 64QAM

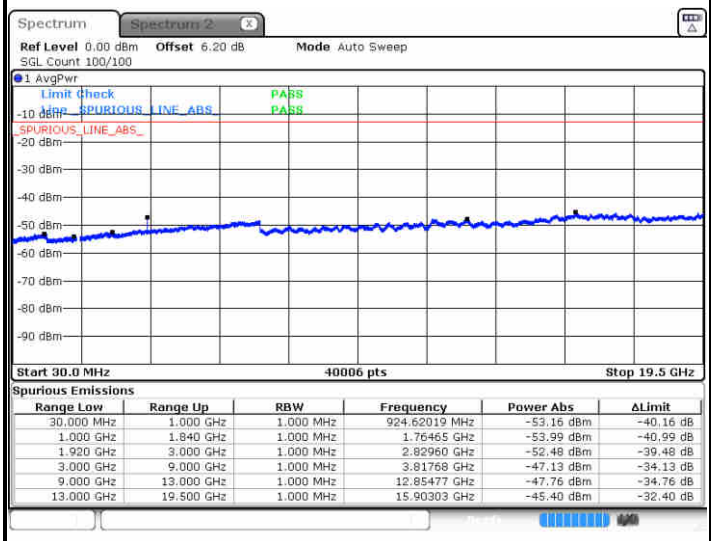


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.50125 MHz	-53.11 dBm	-40.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83475 GHz	-53.93 dBm	-40.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67809 GHz	-52.35 dBm	-39.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75919 GHz	-48.28 dBm	-35.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82627 GHz	-47.82 dBm	-34.82 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92453 GHz	-45.79 dBm	-32.79 dB

Date: 11.FEB.2020 13:33:11

Highest Channel / 64QAM



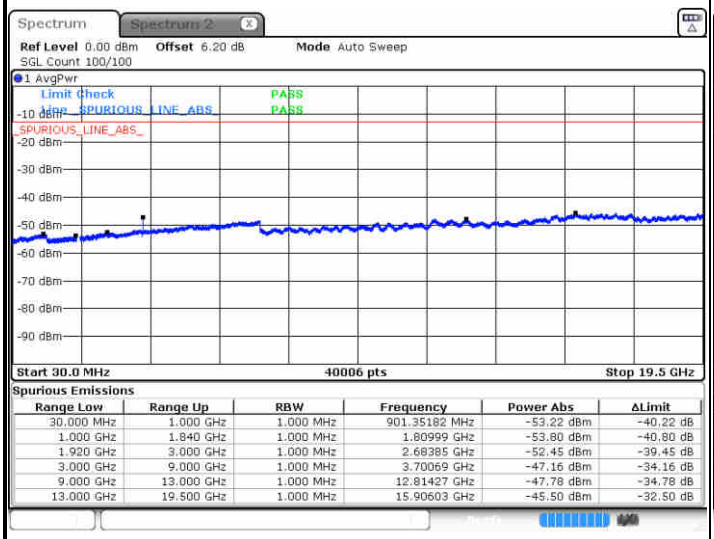
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-53.16 dBm	-40.16 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76465 GHz	-53.99 dBm	-40.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82960 GHz	-52.48 dBm	-39.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81768 GHz	-47.13 dBm	-34.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85477 GHz	-47.76 dBm	-34.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90303 GHz	-45.40 dBm	-32.40 dB

Date: 11.FEB.2020 13:34:05

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

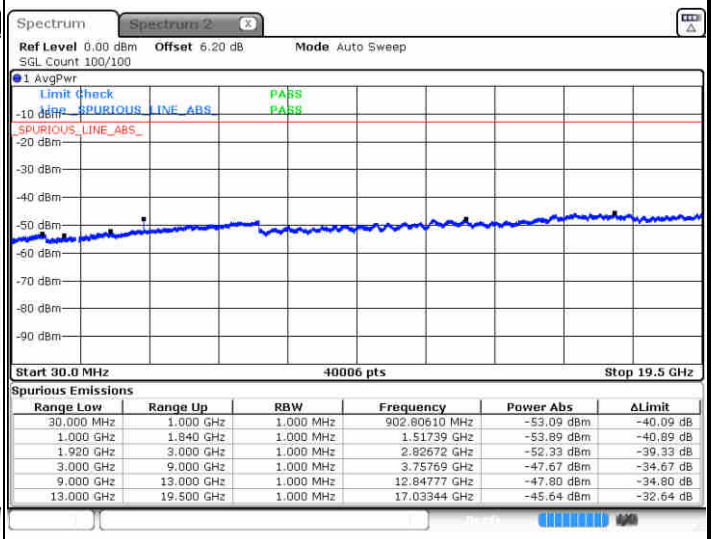


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-53.22 dBm	-40.22 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80999 GHz	-53.80 dBm	-40.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68385 GHz	-52.45 dBm	-39.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-47.16 dBm	-34.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.81427 GHz	-47.78 dBm	-34.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90603 GHz	-45.50 dBm	-32.50 dB

Date: 11.FEB.2020 13:35:00

Middle Channel / 64QAM

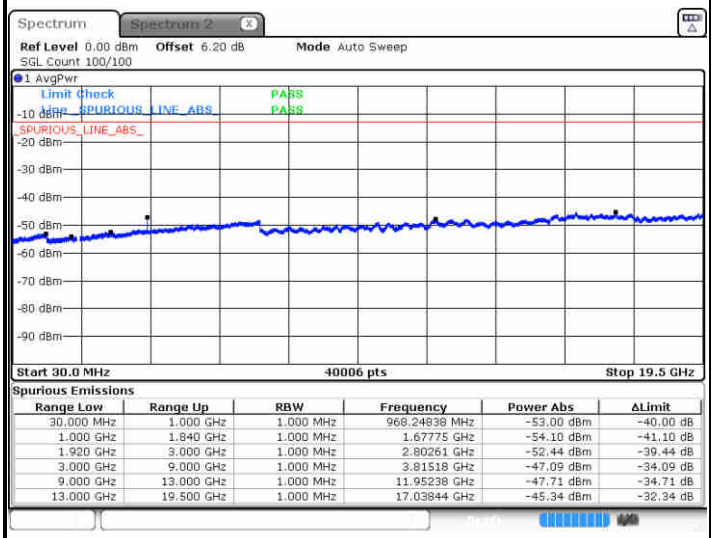


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.80610 MHz	-53.09 dBm	-40.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.51739 GHz	-53.89 dBm	-40.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82672 GHz	-52.33 dBm	-39.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75769 GHz	-47.67 dBm	-34.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84777 GHz	-47.80 dBm	-34.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03344 GHz	-45.64 dBm	-32.64 dB

Date: 11.FEB.2020 13:35:55

Highest Channel / 64QAM



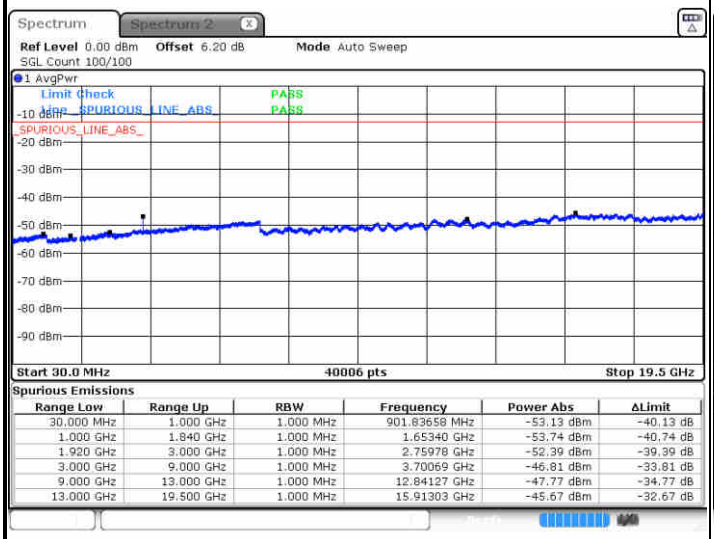
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.24838 MHz	-53.00 dBm	-40.00 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67775 GHz	-54.10 dBm	-41.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80261 GHz	-52.44 dBm	-39.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81518 GHz	-47.09 dBm	-34.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95238 GHz	-47.71 dBm	-34.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.03844 GHz	-45.34 dBm	-32.34 dB

Date: 11.FEB.2020 13:36:49

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

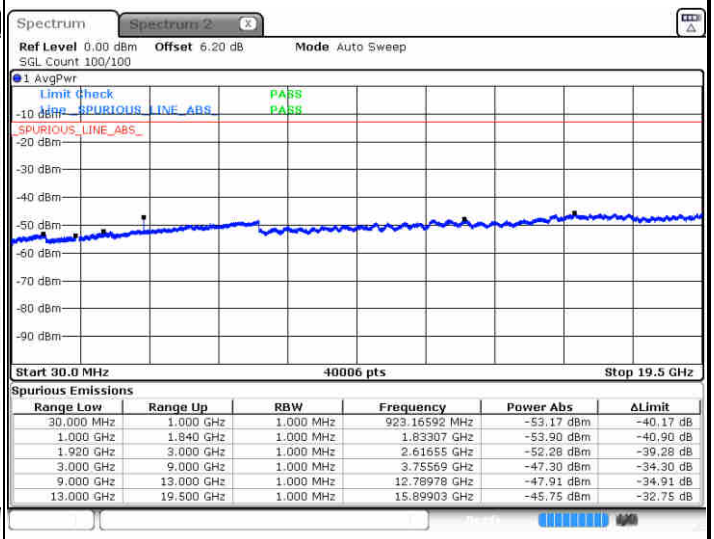


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-53.13 dBm	-40.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65340 GHz	-53.74 dBm	-40.74 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.75978 GHz	-52.39 dBm	-39.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70069 GHz	-46.81 dBm	-33.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84127 GHz	-47.77 dBm	-34.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91303 GHz	-45.67 dBm	-32.67 dB

Date: 11.FEB.2020 13:37:44

Middle Channel / 64QAM

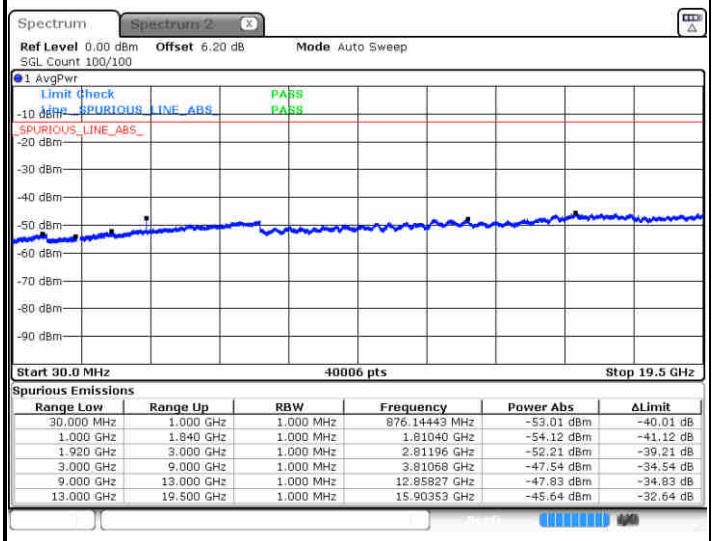


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.16592 MHz	-53.17 dBm	-40.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-53.90 dBm	-40.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.61655 GHz	-52.28 dBm	-39.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75569 GHz	-47.30 dBm	-34.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.78978 GHz	-47.91 dBm	-34.91 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89903 GHz	-45.75 dBm	-32.75 dB

Date: 11.FEB.2020 13:38:38

Highest Channel / 64QAM



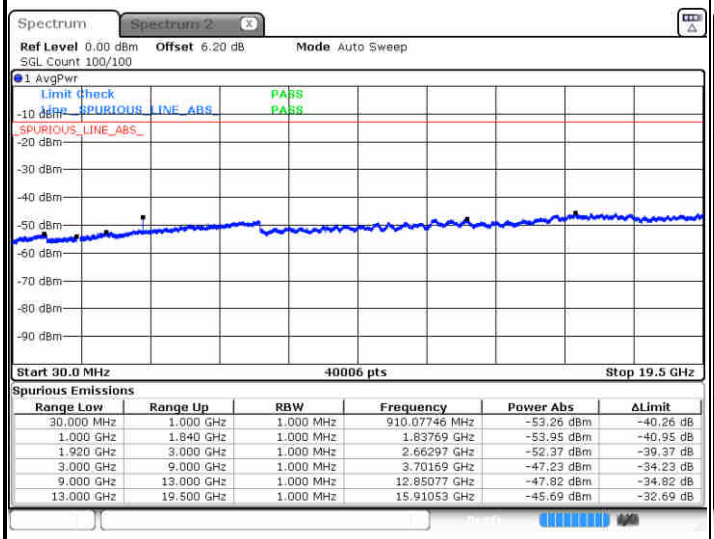
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.14443 MHz	-53.01 dBm	-40.01 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81040 GHz	-54.12 dBm	-41.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81196 GHz	-52.21 dBm	-39.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.81068 GHz	-47.54 dBm	-34.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85827 GHz	-47.83 dBm	-34.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90353 GHz	-45.64 dBm	-32.64 dB

Date: 11.FEB.2020 13:39:33

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

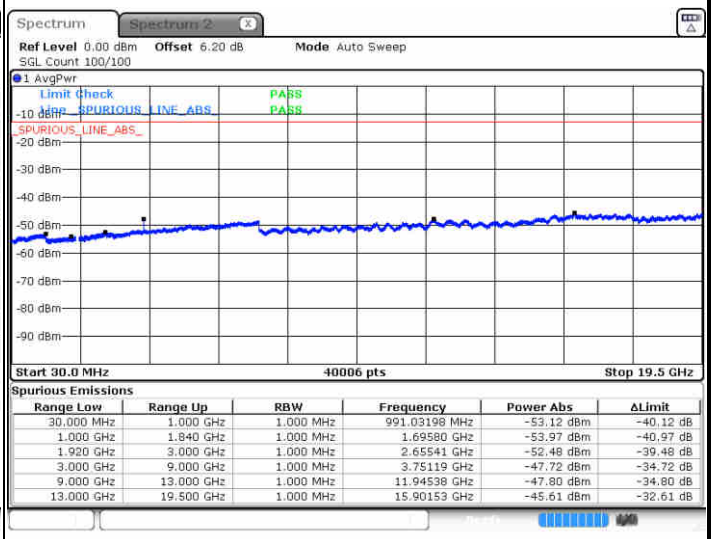


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.07746 MHz	-53.26 dBm	-40.26 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-53.95 dBm	-40.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66297 GHz	-52.37 dBm	-39.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.23 dBm	-34.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85077 GHz	-47.82 dBm	-34.82 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91053 GHz	-45.69 dBm	-32.69 dB

Date: 11.FEB.2020 13:40:27

Middle Channel / 64QAM

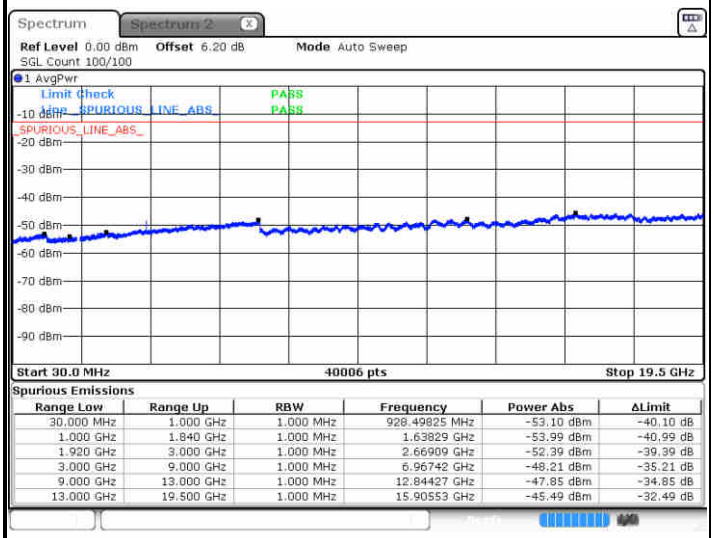


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-53.12 dBm	-40.12 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69580 GHz	-53.97 dBm	-40.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65541 GHz	-52.48 dBm	-39.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.75119 GHz	-47.72 dBm	-34.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94538 GHz	-47.80 dBm	-34.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90153 GHz	-45.61 dBm	-32.61 dB

Date: 11.FEB.2020 13:41:22

Highest Channel / 64QAM



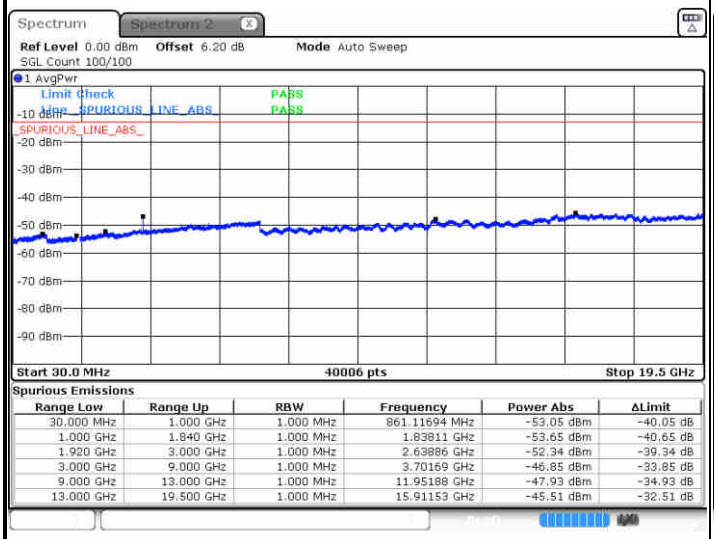
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-53.10 dBm	-40.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63829 GHz	-53.99 dBm	-40.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66909 GHz	-52.39 dBm	-39.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96742 GHz	-48.21 dBm	-35.21 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84427 GHz	-47.85 dBm	-34.85 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90553 GHz	-45.49 dBm	-32.49 dB

Date: 11.FEB.2020 13:42:16

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

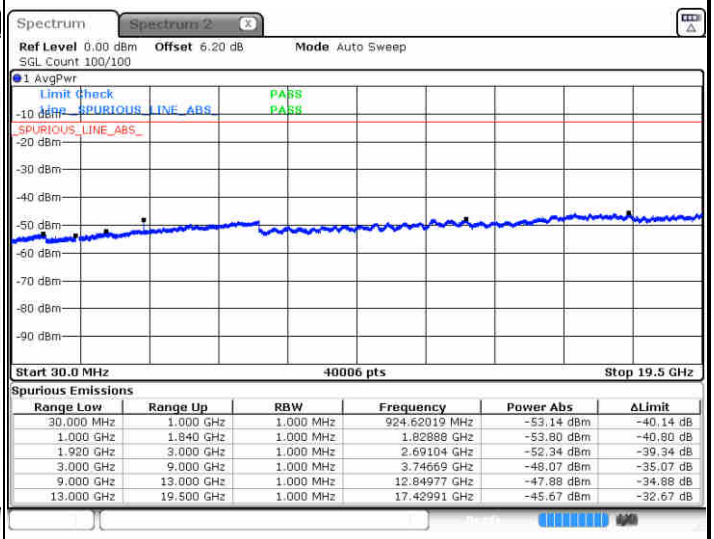


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-53.05 dBm	-40.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-53.65 dBm	-40.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63886 GHz	-52.34 dBm	-39.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-46.85 dBm	-33.85 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95188 GHz	-47.93 dBm	-34.93 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91153 GHz	-45.51 dBm	-32.51 dB

Date: 11.FEB.2020 13:43:11

Middle Channel / 64QAM

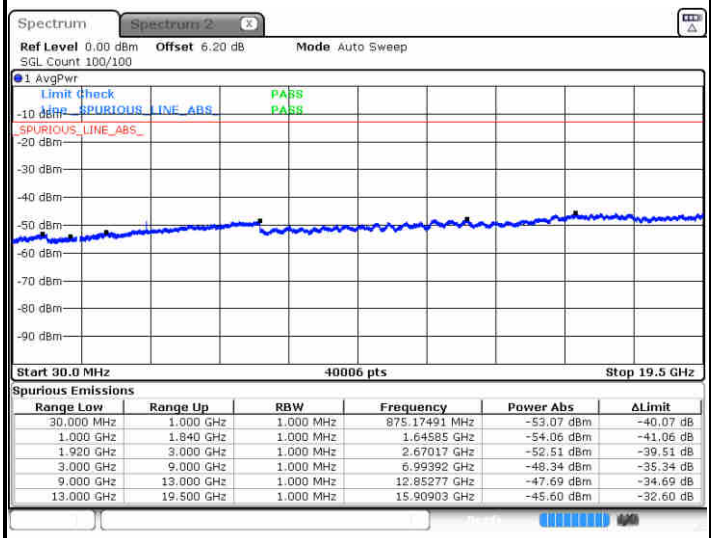


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	924.62019 MHz	-53.14 dBm	-40.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-53.80 dBm	-40.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69104 GHz	-52.34 dBm	-39.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.74669 GHz	-48.07 dBm	-35.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-47.88 dBm	-34.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.42991 GHz	-45.67 dBm	-32.67 dB

Date: 11.FEB.2020 13:44:05

Highest Channel / 64QAM



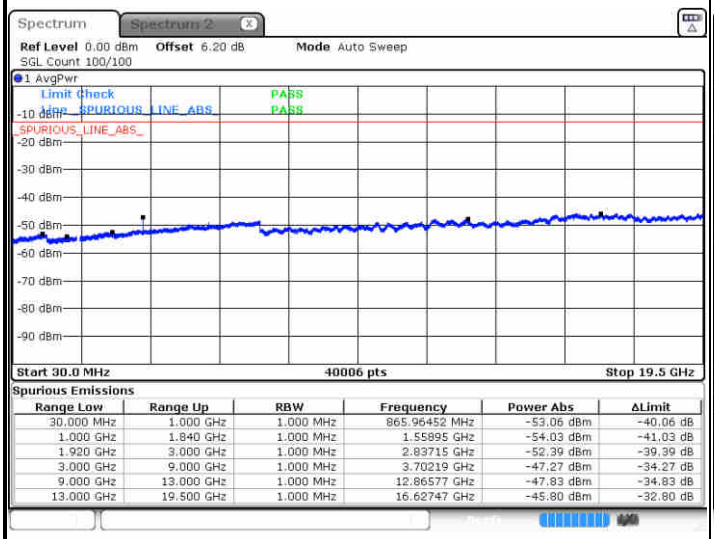
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.17491 MHz	-53.07 dBm	-40.07 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64585 GHz	-54.06 dBm	-41.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67017 GHz	-52.51 dBm	-39.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-48.34 dBm	-35.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85277 GHz	-47.69 dBm	-34.69 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90903 GHz	-45.60 dBm	-32.60 dB

Date: 11.FEB.2020 13:45:00

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

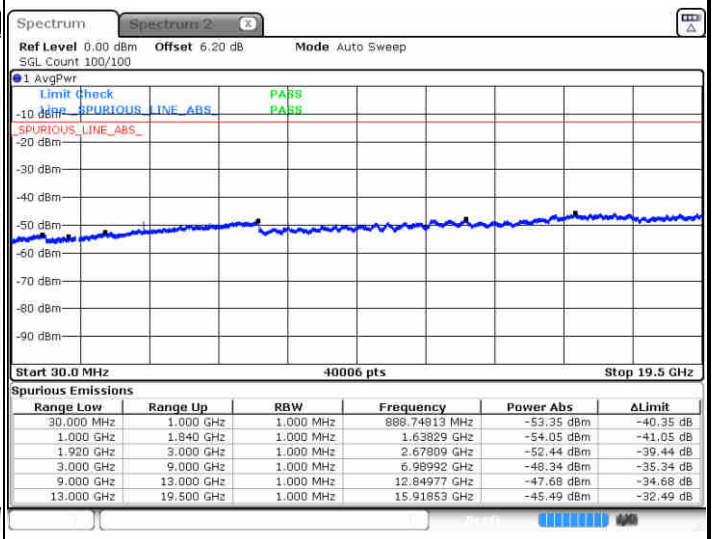


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	865.96452 MHz	-53.06 dBm	-40.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.55895 GHz	-54.03 dBm	-41.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83715 GHz	-52.39 dBm	-39.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-47.27 dBm	-34.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86577 GHz	-47.83 dBm	-34.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.62747 GHz	-45.80 dBm	-32.80 dB

Date: 11.FEB.2020 13:45:55

Middle Channel / 64QAM

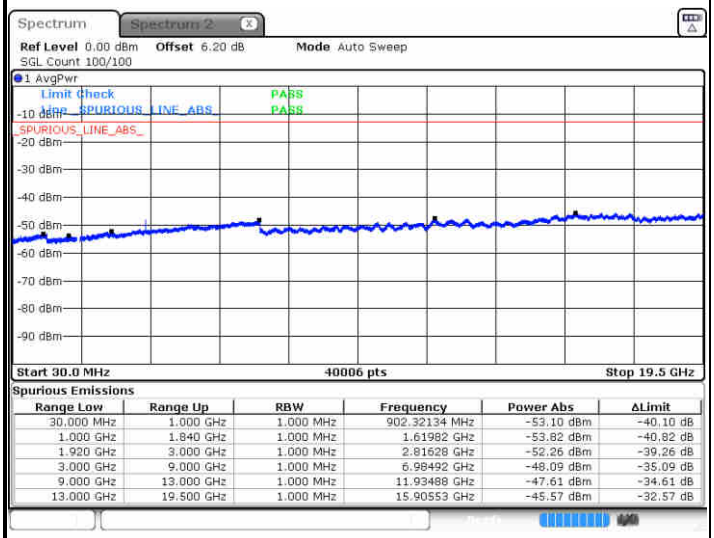


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-53.35 dBm	-40.35 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.63829 GHz	-54.05 dBm	-41.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67809 GHz	-52.44 dBm	-39.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-48.34 dBm	-35.34 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-47.68 dBm	-34.68 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.91853 GHz	-45.49 dBm	-32.49 dB

Date: 11.FEB.2020 13:46:49

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.32134 MHz	-53.10 dBm	-40.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61982 GHz	-53.82 dBm	-40.82 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81628 GHz	-52.26 dBm	-39.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98492 GHz	-48.09 dBm	-35.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93488 GHz	-47.61 dBm	-34.61 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90553 GHz	-45.57 dBm	-32.57 dB

Date: 11.FEB.2020 13:47:44

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

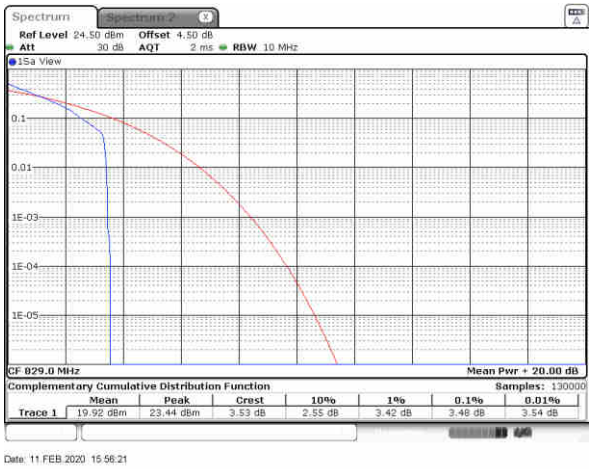
LTE Band 5

Peak-to-Average Ratio

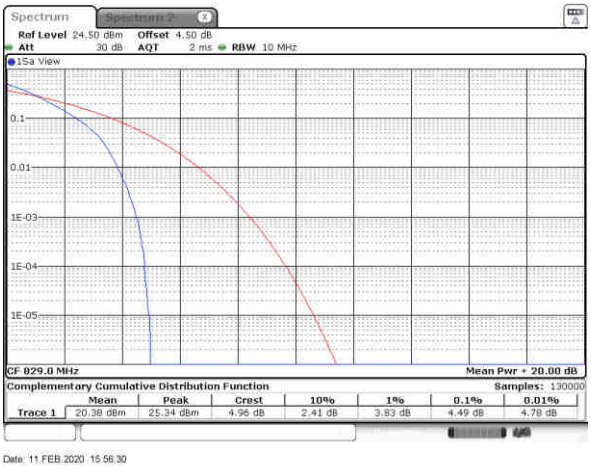
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.48	4.49	5.28	5.74	PASS
Middle CH	3.54	4.61	5.25	5.80	
Highest CH	3.62	4.61	4.99	5.88	
Mode	LTE Band 5 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.04	5.71	-	-	PASS
Middle CH	5.19	5.86	-	-	
Highest CH	5.45	5.83	-	-	

LTE Band 5 / 10MHz / QPSK

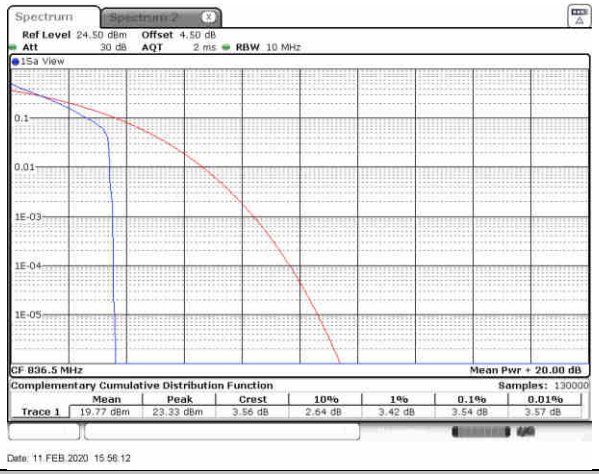
Lowest Channel / 1RB



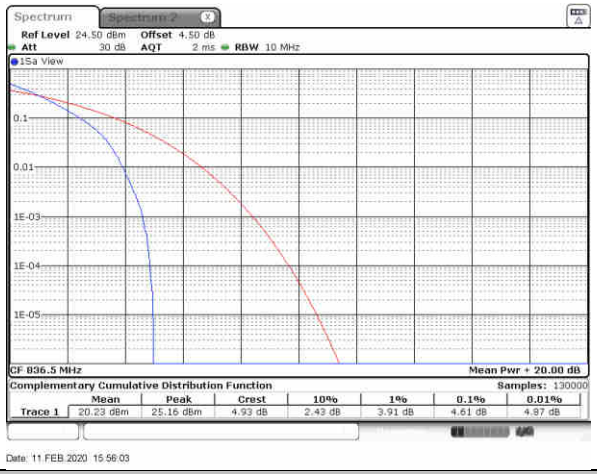
Lowest Channel / Full RB



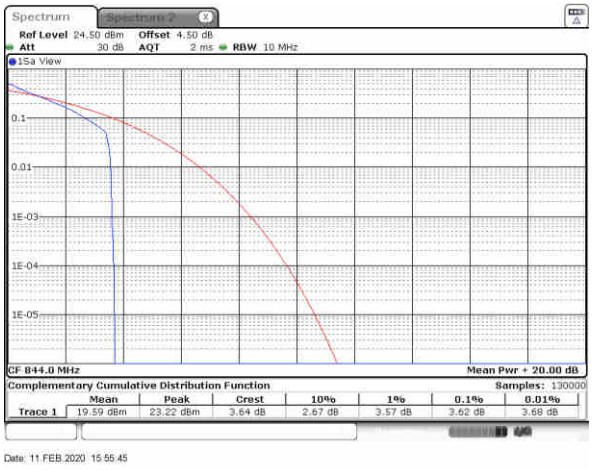
Middle Channel / 1RB



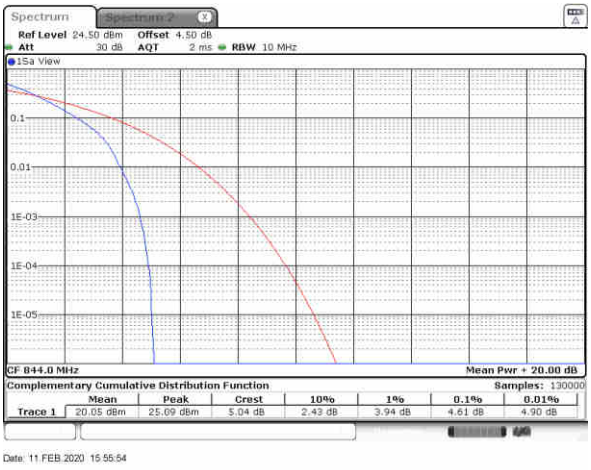
Middle Channel / Full RB



Highest Channel / 1RB

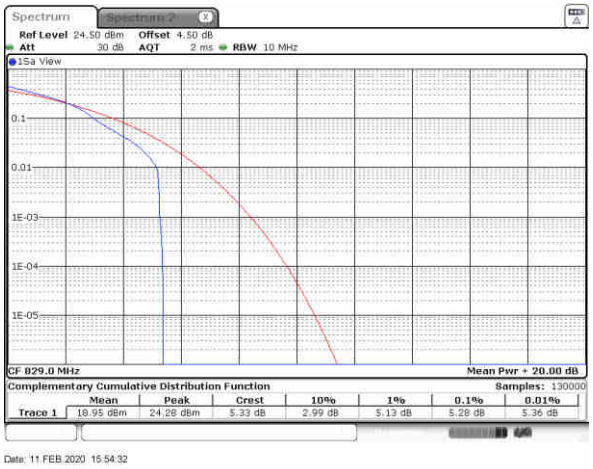


Highest Channel / Full RB

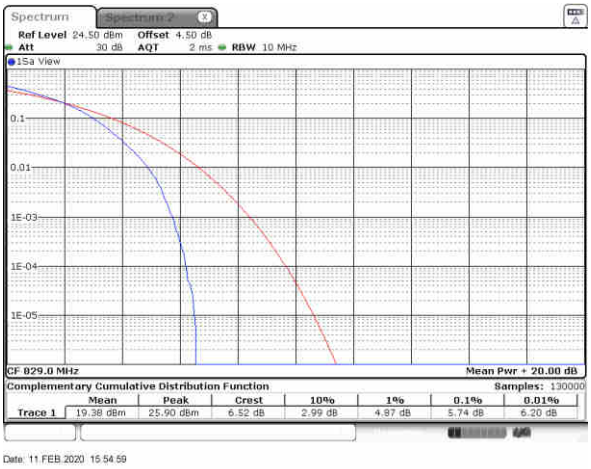


LTE Band 5 / 10MHz / 16QAM

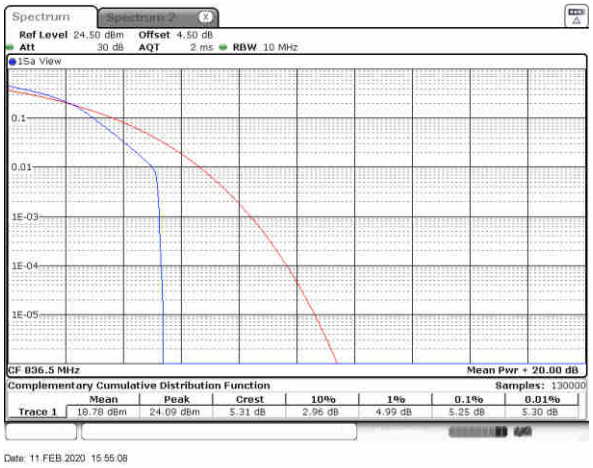
Lowest Channel / 1RB



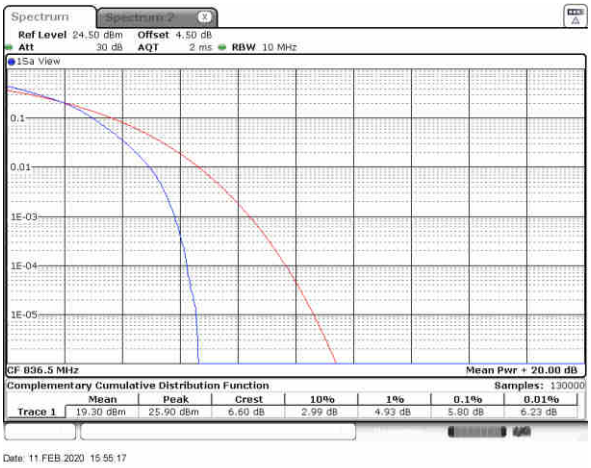
Lowest Channel / Full RB



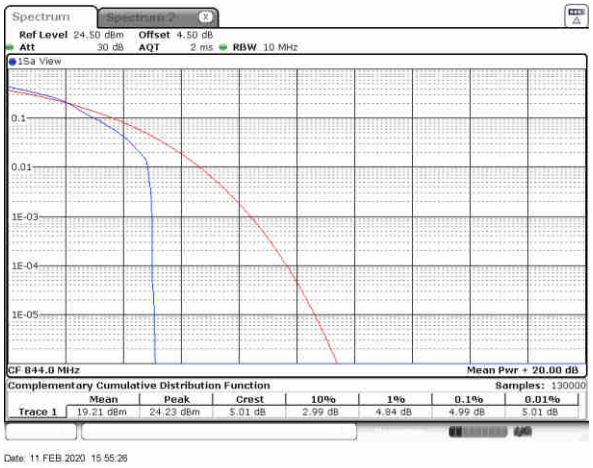
Middle Channel / 1RB



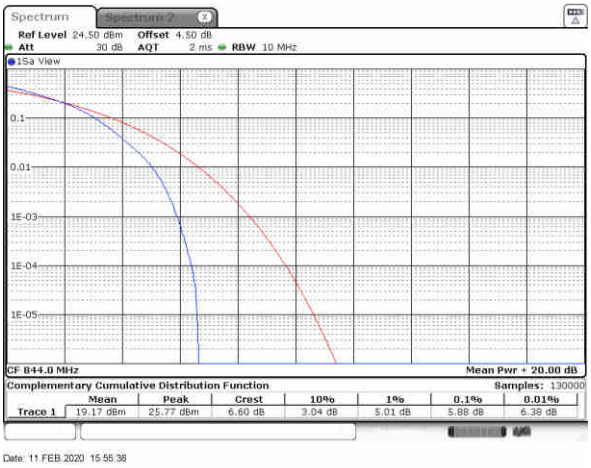
Middle Channel / Full RB



Highest Channel / 1RB

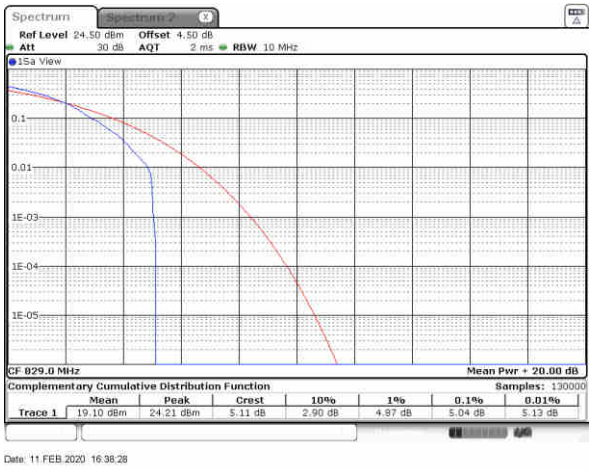


Highest Channel / Full RB

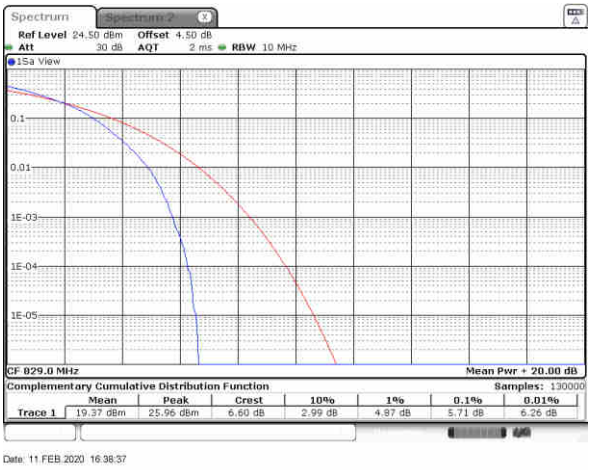


LTE Band 5 / 10MHz / 64QAM

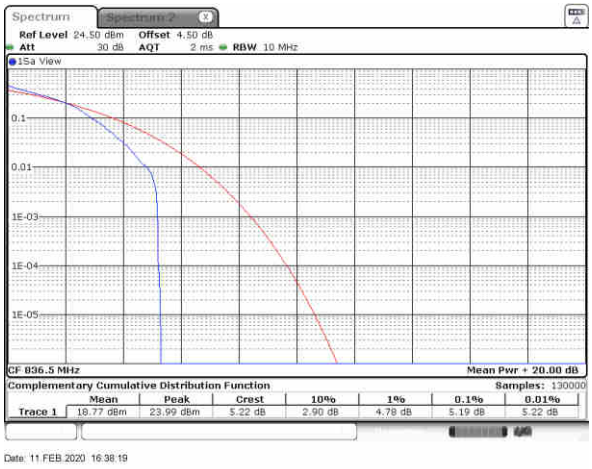
Lowest Channel / 1RB



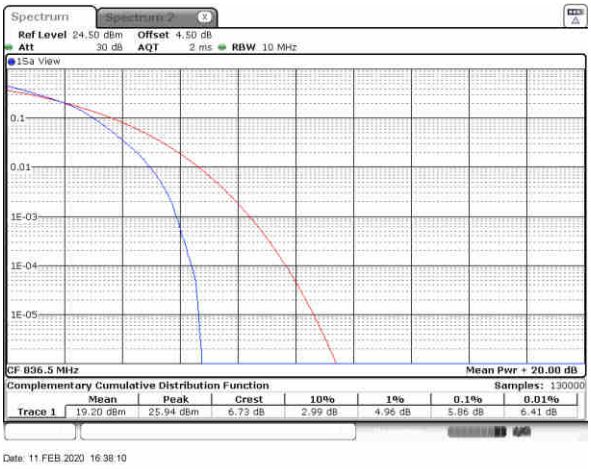
Lowest Channel / Full RB



Middle Channel / 1RB

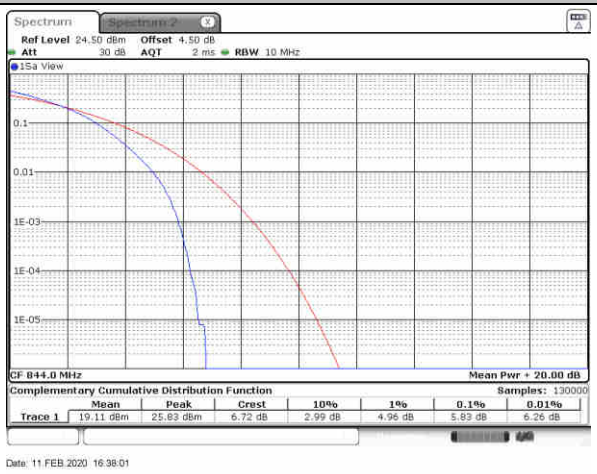


Middle Channel / Full RB



Highest Channel / 1RB

Highest Channel / Full RB

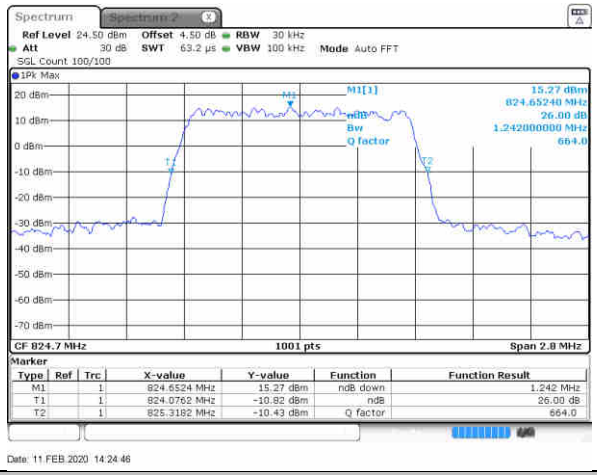


26dB Bandwidth

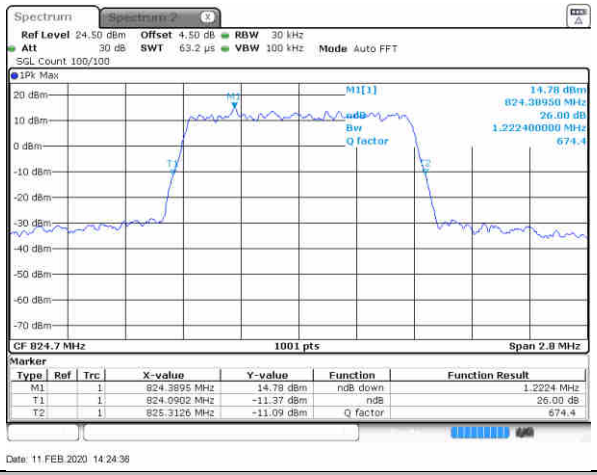
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.22	3.05	3.05	4.86	4.91	9.99	9.69	-	-	-	-
Middle CH	1.23	1.24	3.04	3.00	4.94	4.87	10.03	9.81	-	-	-	-
Highest CH	1.22	1.23	2.99	3.00	4.90	4.93	9.83	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	1.24	-	3.02	-	4.83	-	9.65	-	-	-	-	-
Middle CH	1.22	-	3.00	-	4.92	-	9.69	-	-	-	-	-
Highest CH	1.23	-	3.04	-	4.93	-	10.01	-	-	-	-	-

LTE Band 5

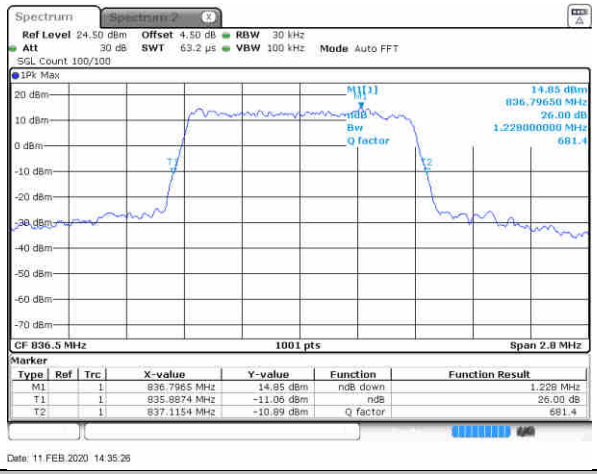
Lowest Channel / 1.4MHz / QPSK



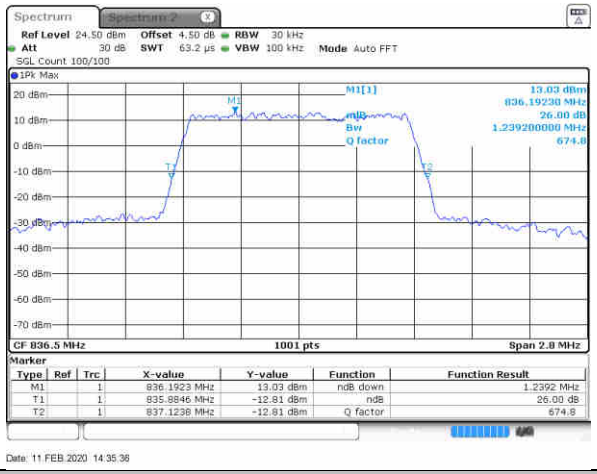
Lowest Channel / 1.4MHz / 16QAM



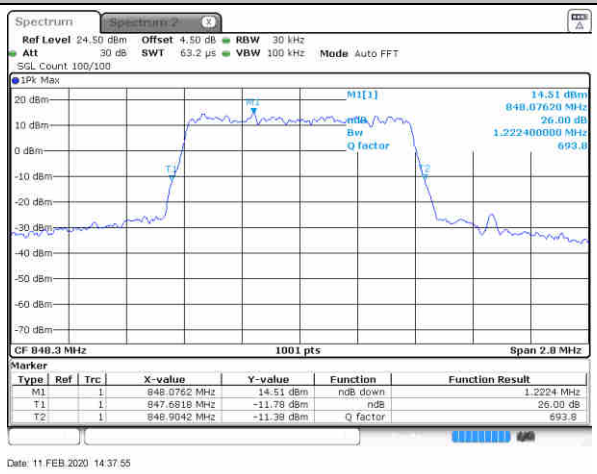
Middle Channel / 1.4MHz / QPSK



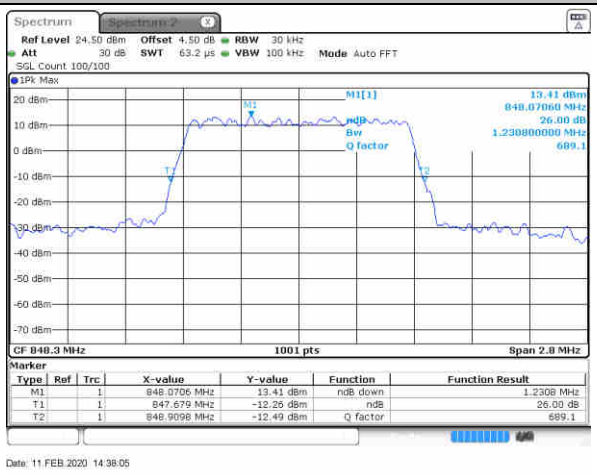
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

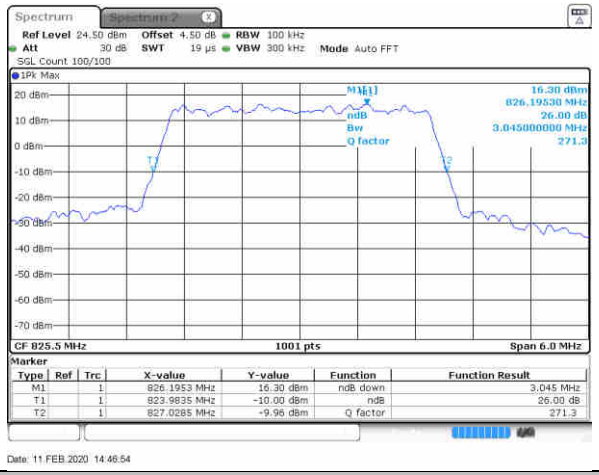


Highest Channel / 1.4MHz / 16QAM

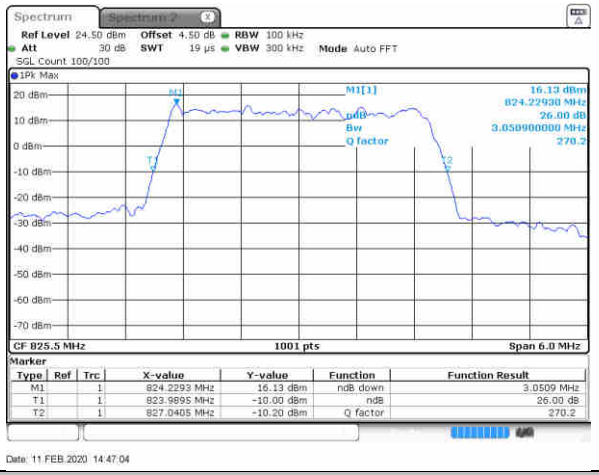


LTE Band 5

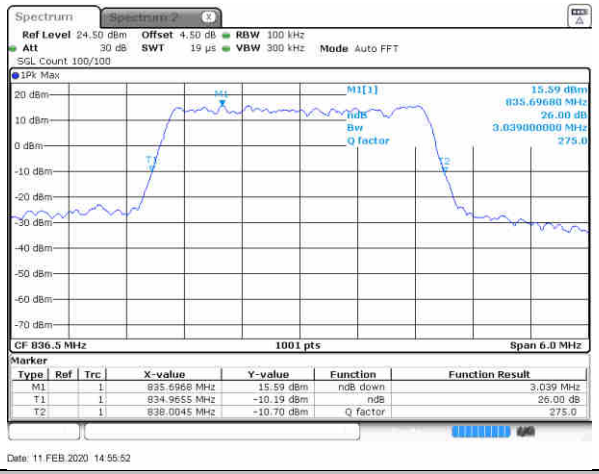
Lowest Channel / 3MHz / QPSK



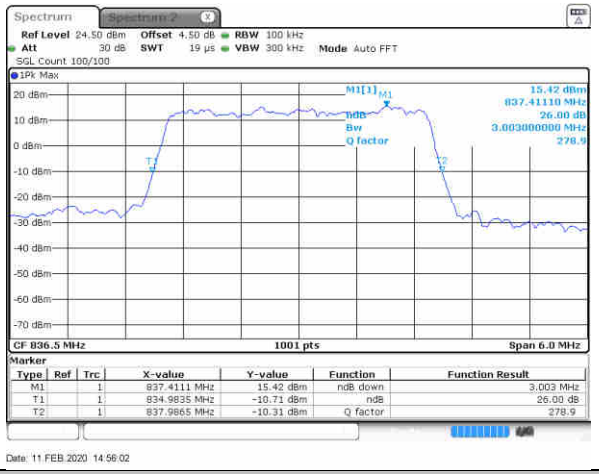
Lowest Channel / 3MHz / 16QAM



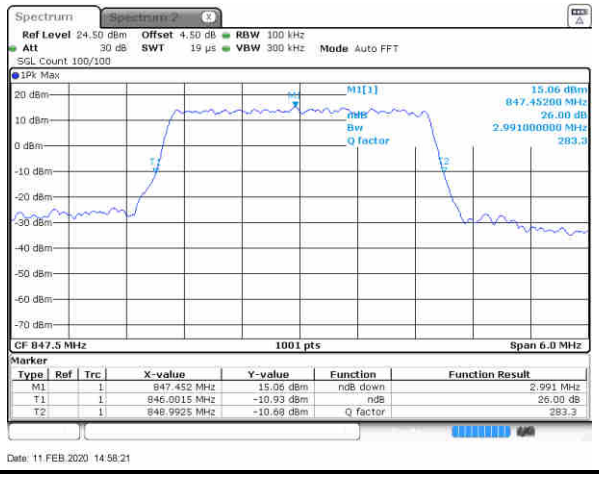
Middle Channel / 3MHz / QPSK



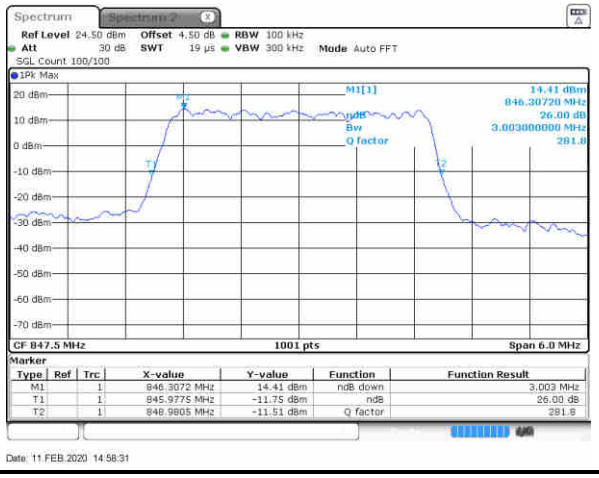
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

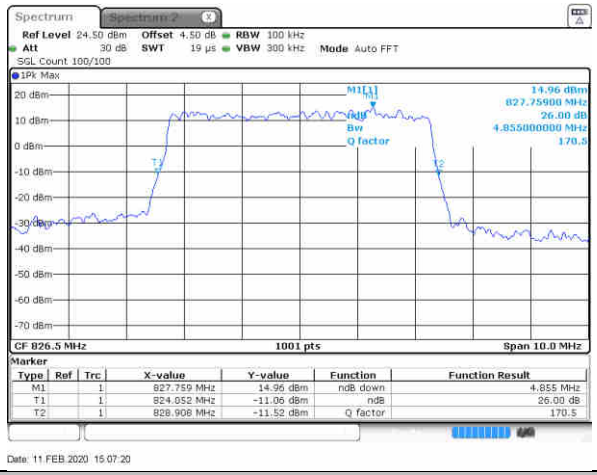


Highest Channel / 3MHz / 16QAM

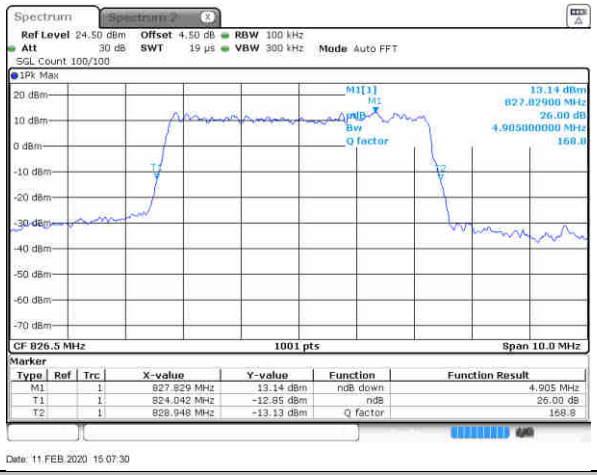


LTE Band 5

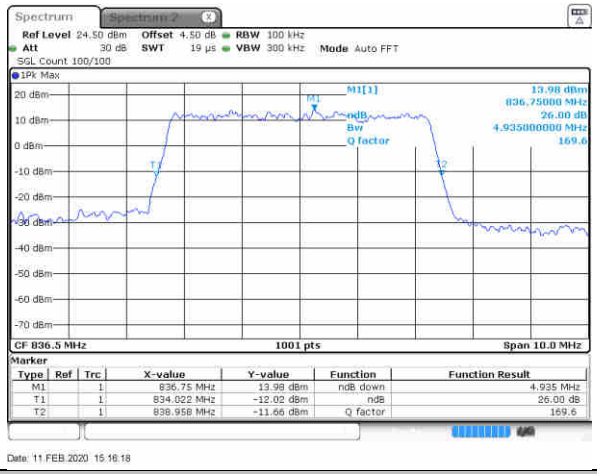
Lowest Channel / 5MHz / QPSK



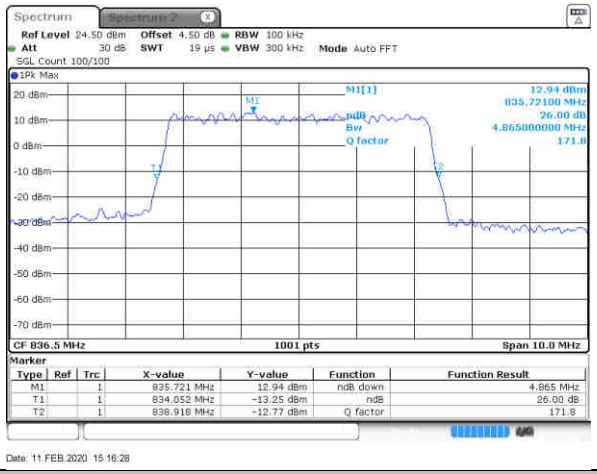
Lowest Channel / 5MHz / 16QAM



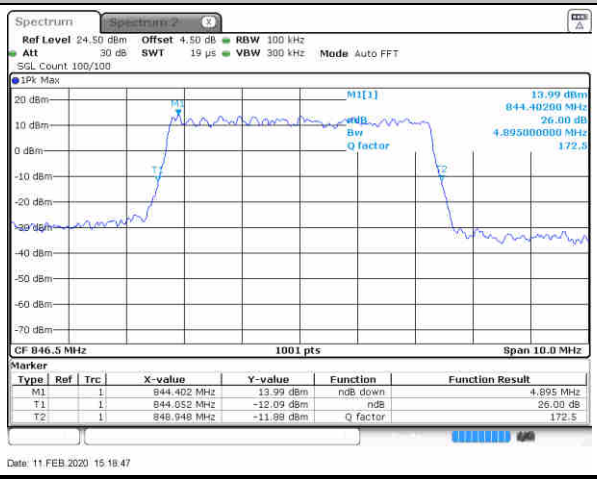
Middle Channel / 5MHz / QPSK



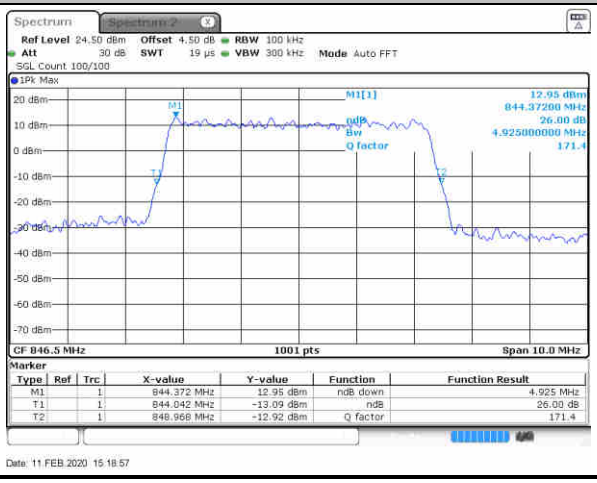
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

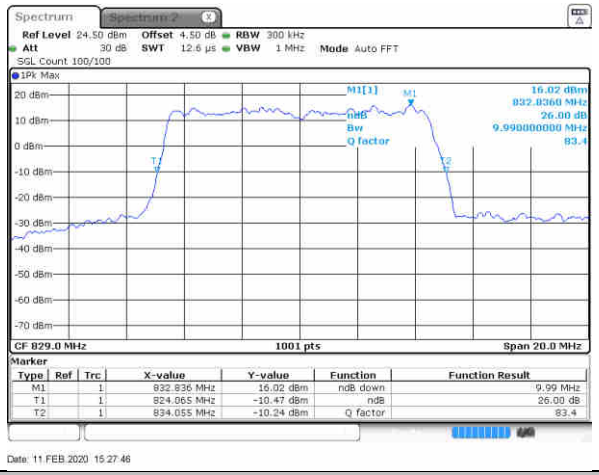


Highest Channel / 5MHz / 16QAM

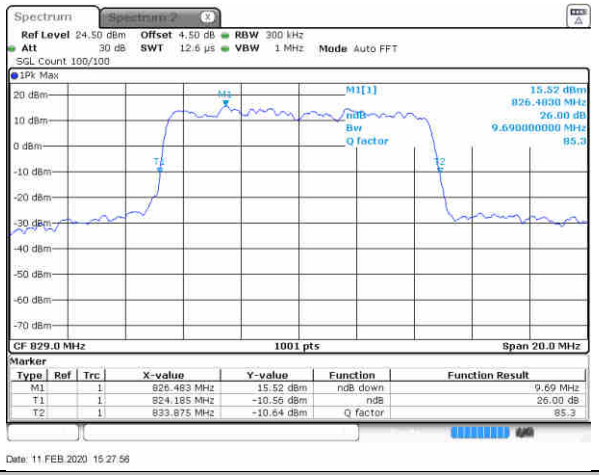


LTE Band 5

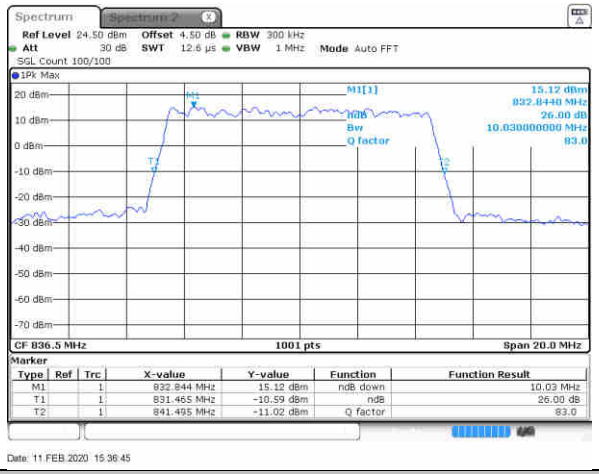
Lowest Channel / 10MHz / QPSK



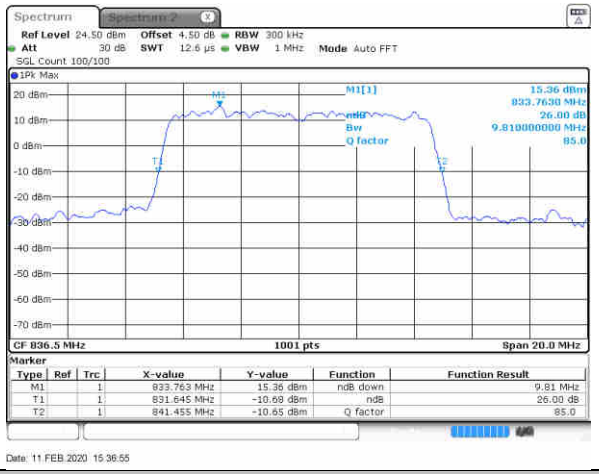
Lowest Channel / 10MHz / 16QAM



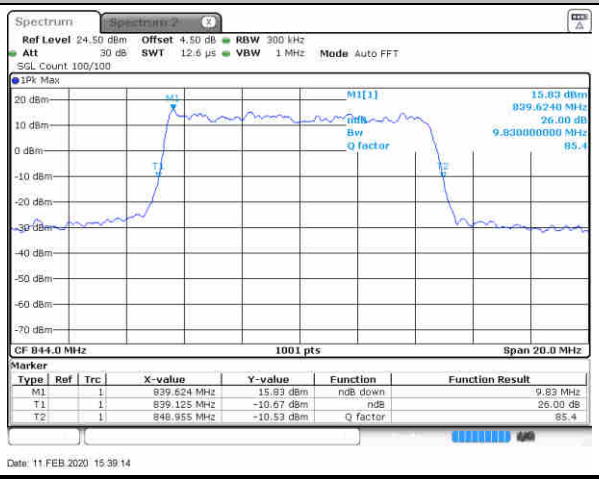
Middle Channel / 10MHz / QPSK



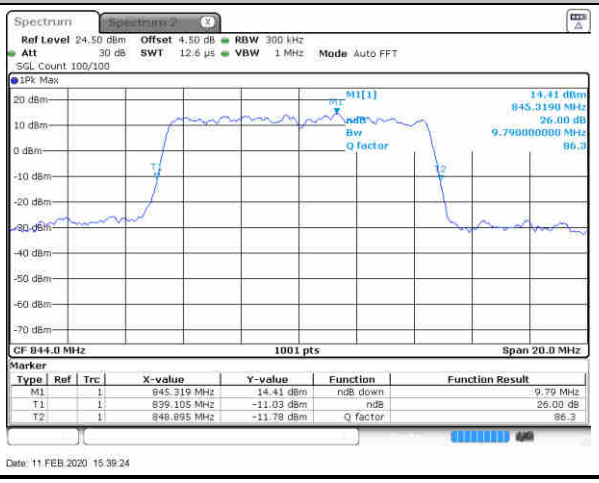
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

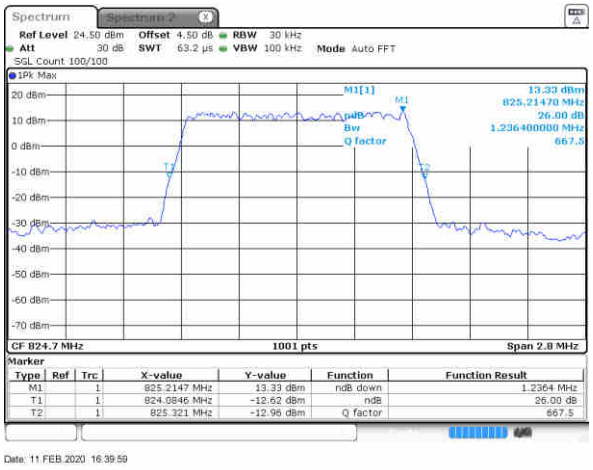


Highest Channel / 10MHz / 16QAM

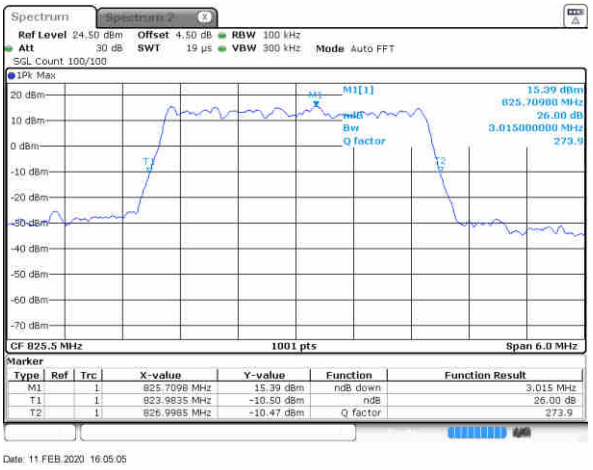


LTE Band 5

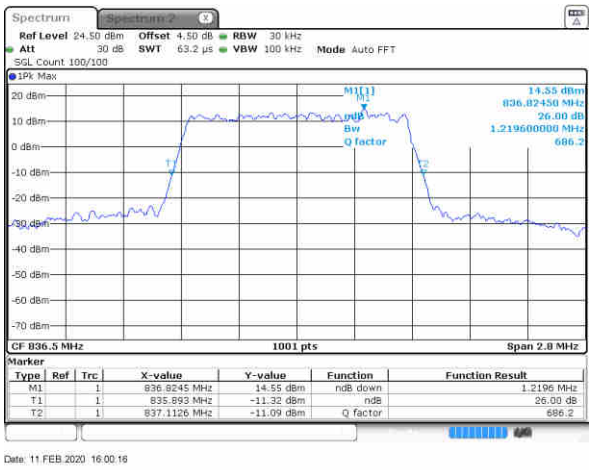
Lowest Channel / 1.4MHz / 64QAM



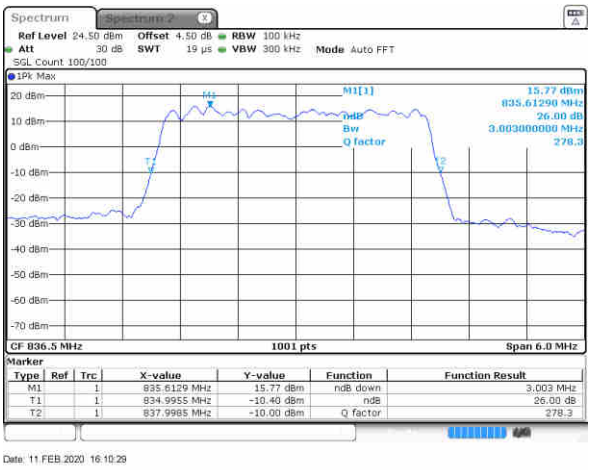
Lowest Channel / 3MHz / 64QAM



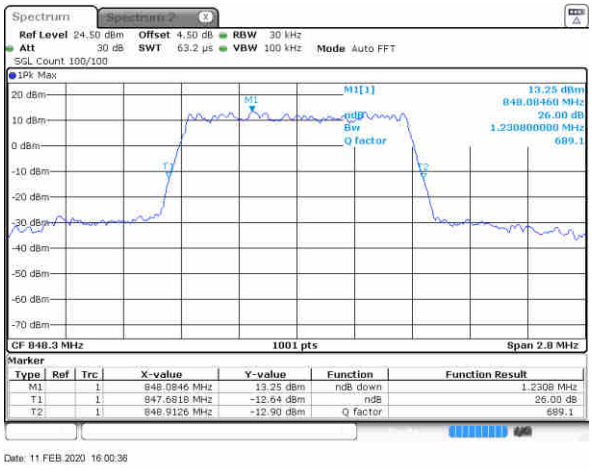
Middle Channel / 1.4MHz / 64QAM



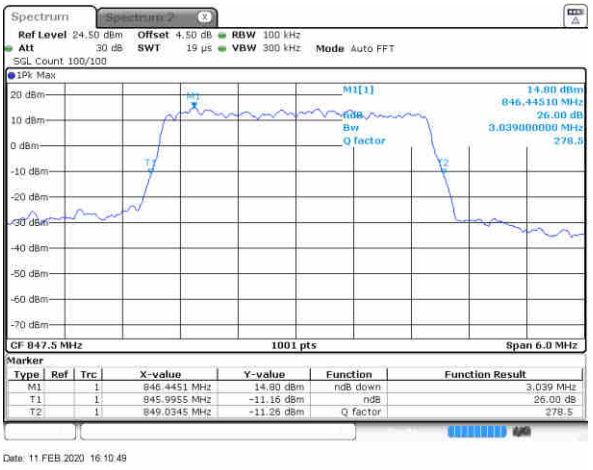
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

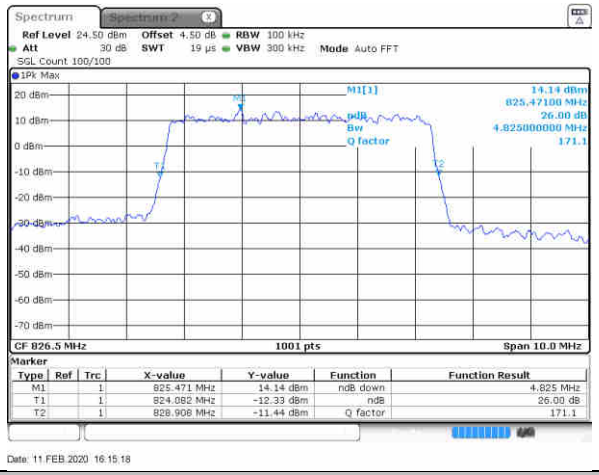


Highest Channel / 3MHz / 64QAM

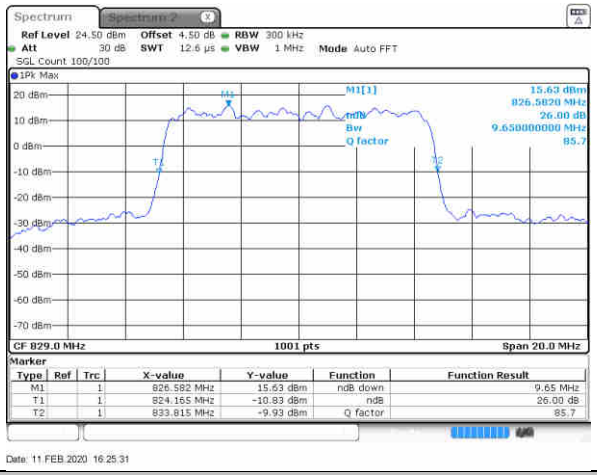


LTE Band 5

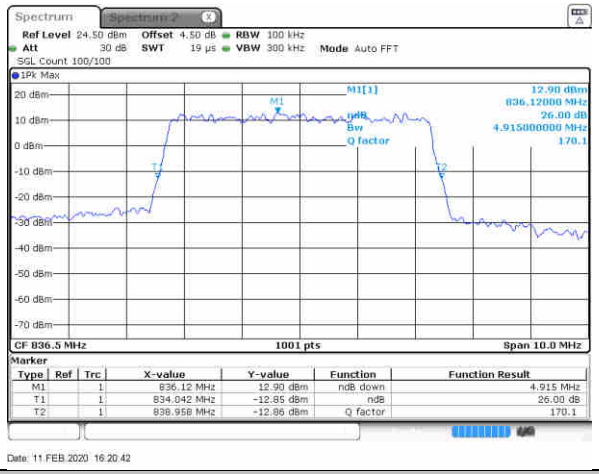
Lowest Channel / 5MHz / 64QAM



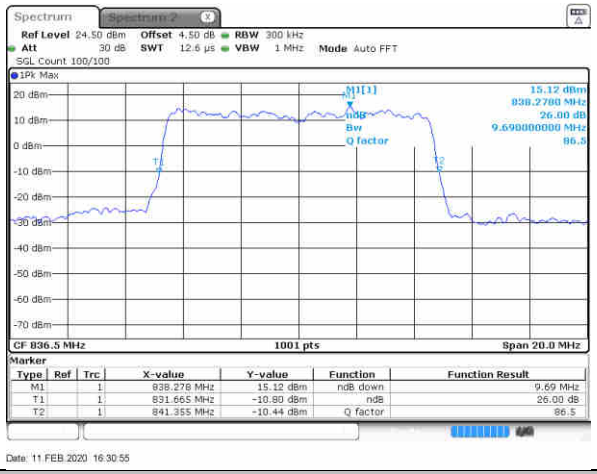
Lowest Channel / 10MHz / 64QAM



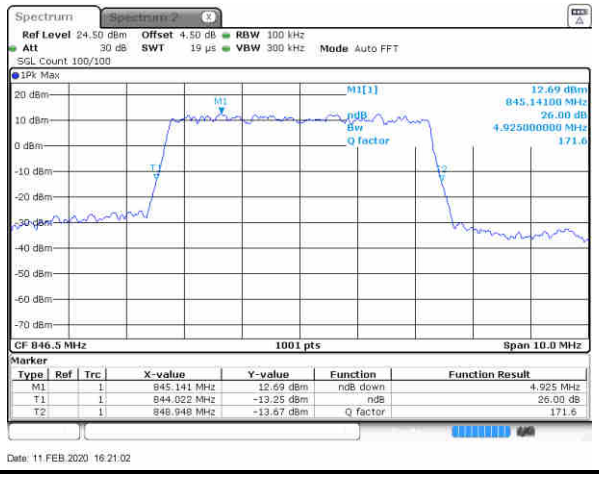
Middle Channel / 5MHz / 64QAM



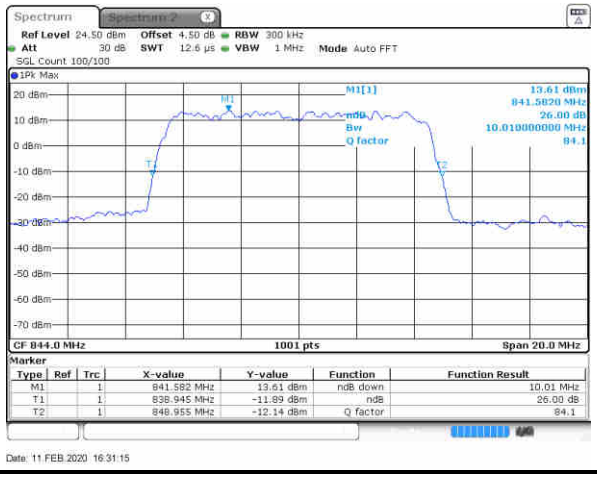
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

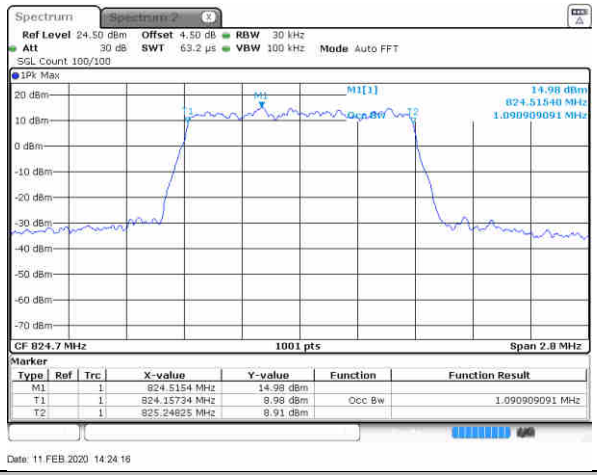


Occupied Bandwidth

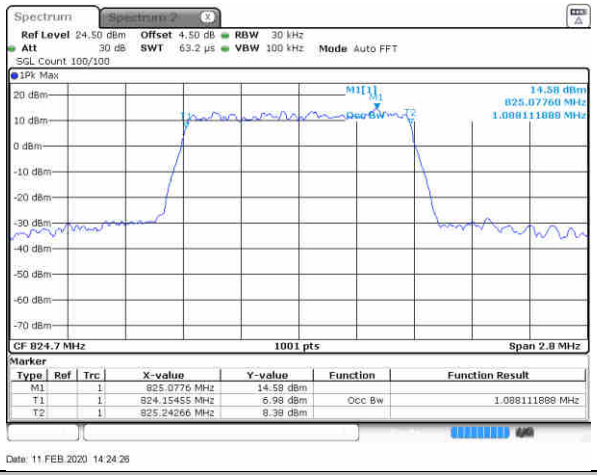
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.50	4.48	8.99	9.01	-	-	-	-
Middle CH	1.09	1.09	2.71	2.73	4.50	4.51	8.97	9.03	-	-	-	-
Highest CH	1.09	1.09	2.72	2.72	4.50	4.49	8.97	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	1.10	-	2.73	-	4.48	-	8.99	-	-	-	-	-
Middle CH	1.09	-	2.75	-	4.47	-	8.97	-	-	-	-	-
Highest CH	1.08	-	2.74	-	4.51	-	9.01	-	-	-	-	-

LTE Band 5

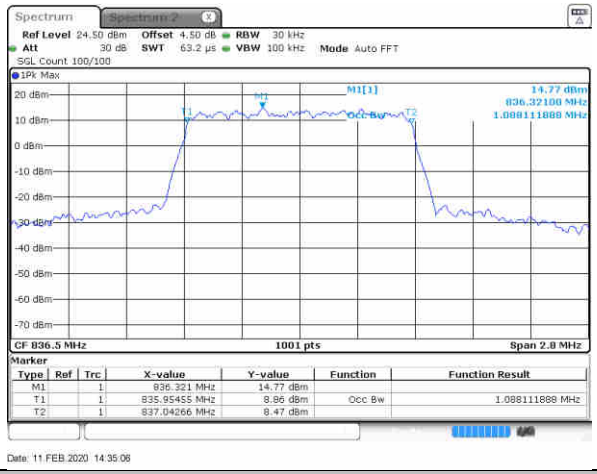
Lowest Channel / 1.4MHz / QPSK



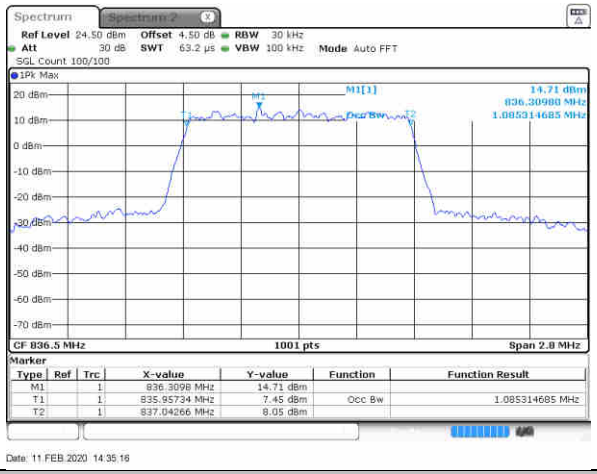
Lowest Channel / 1.4MHz / 16QAM



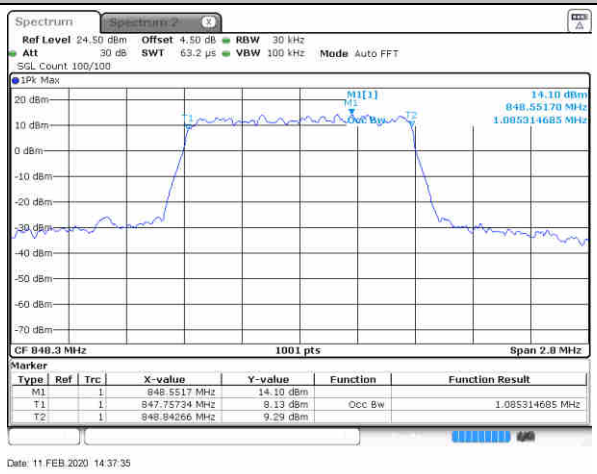
Middle Channel / 1.4MHz / QPSK



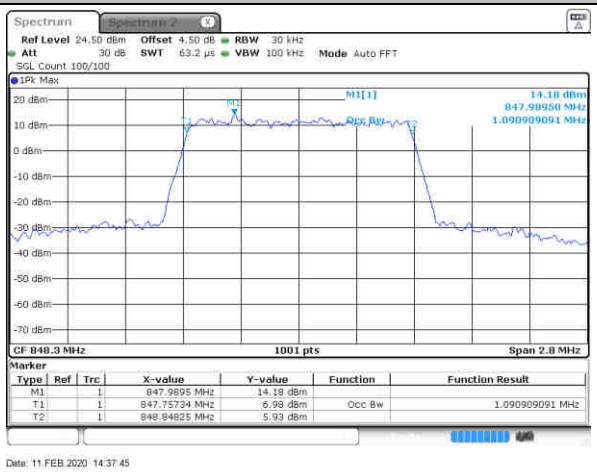
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

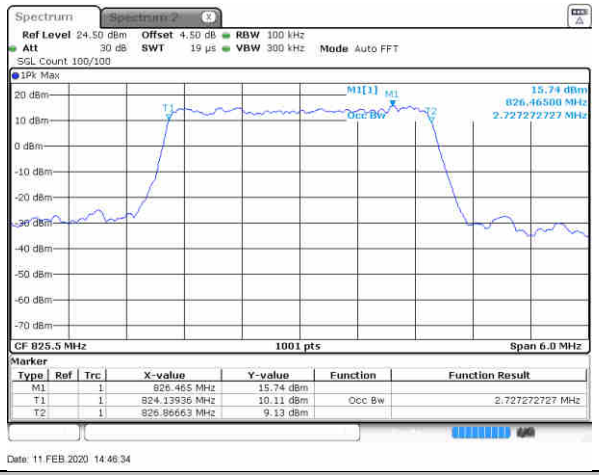


Highest Channel / 1.4MHz / 16QAM

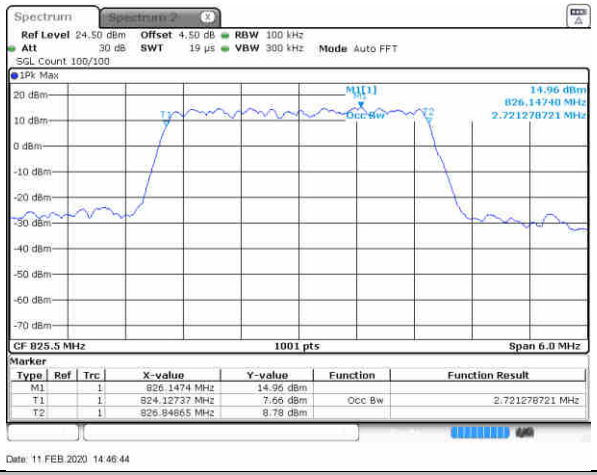


LTE Band 5

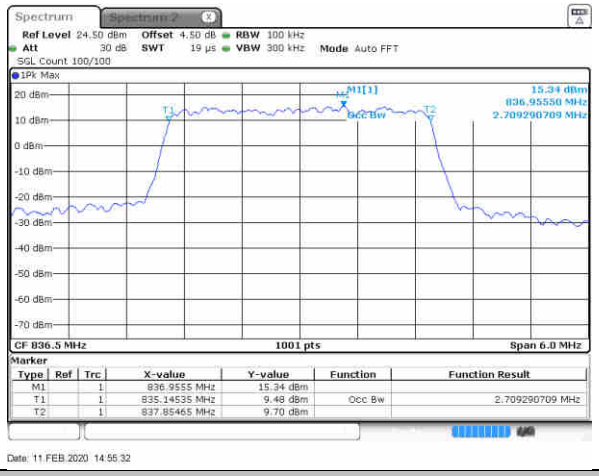
Lowest Channel / 3MHz / QPSK



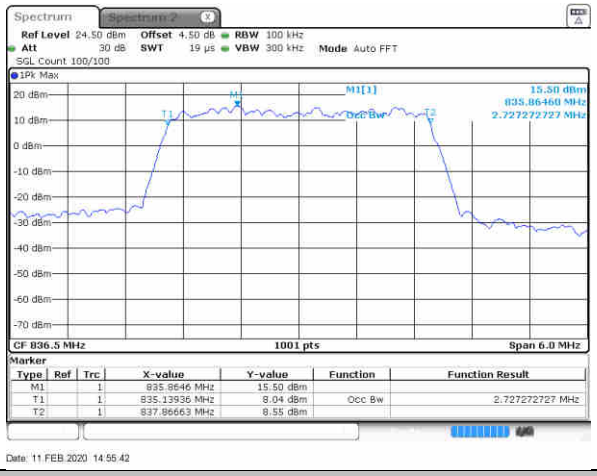
Lowest Channel / 3MHz / 16QAM



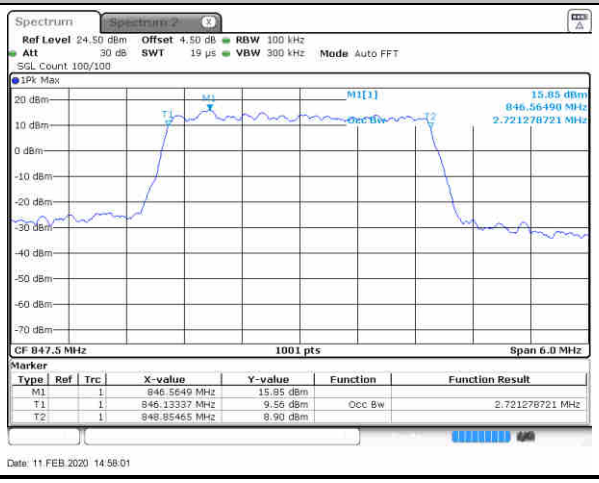
Middle Channel / 3MHz / QPSK



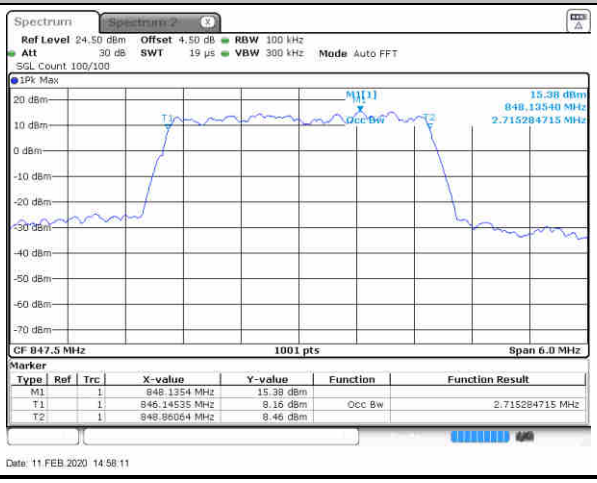
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

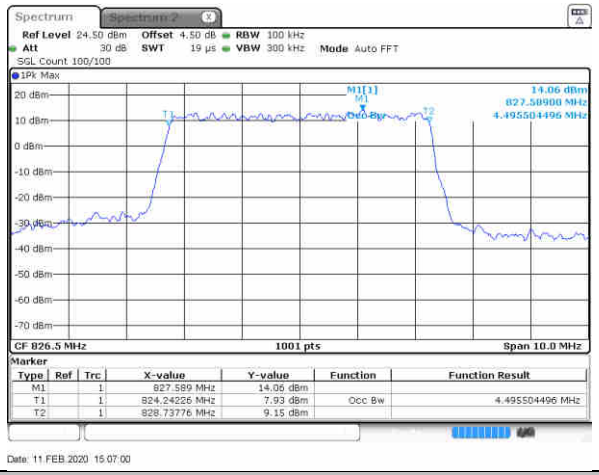


Highest Channel / 3MHz / 16QAM

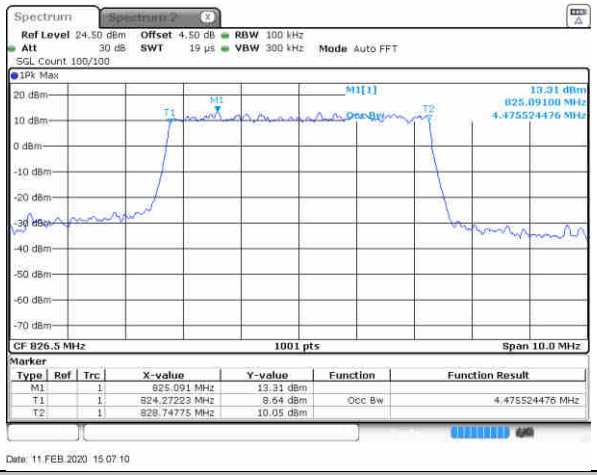


LTE Band 5

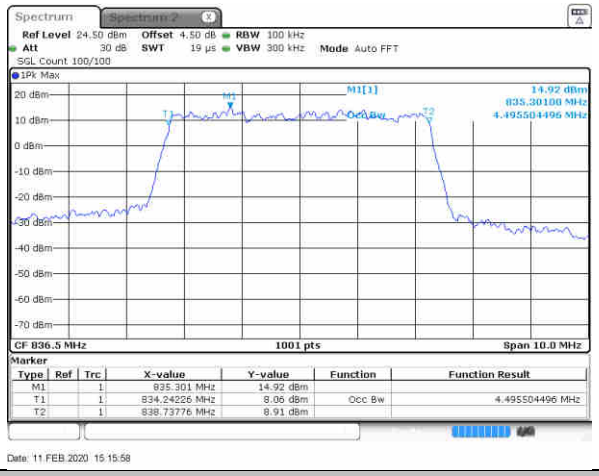
Lowest Channel / 5MHz / QPSK



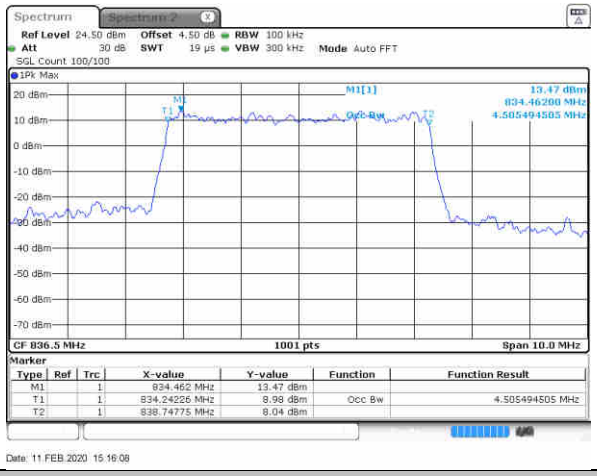
Lowest Channel / 5MHz / 16QAM



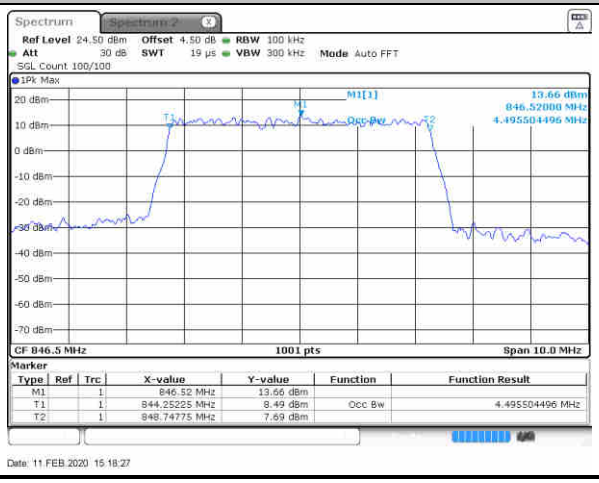
Middle Channel / 5MHz / QPSK



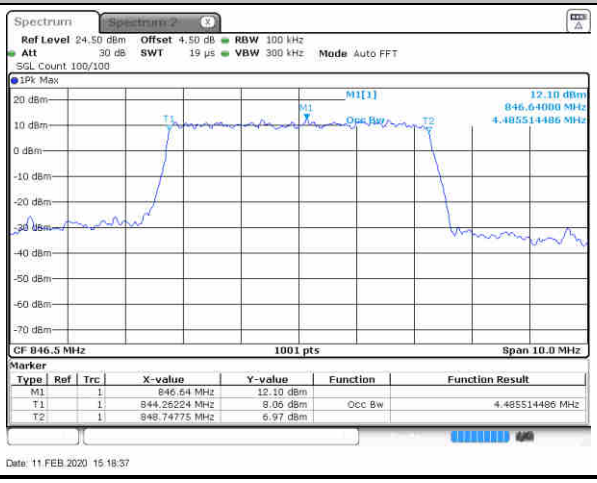
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

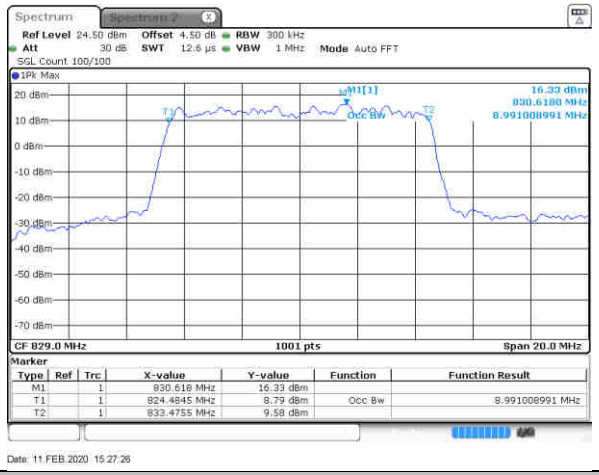


Highest Channel / 5MHz / 16QAM

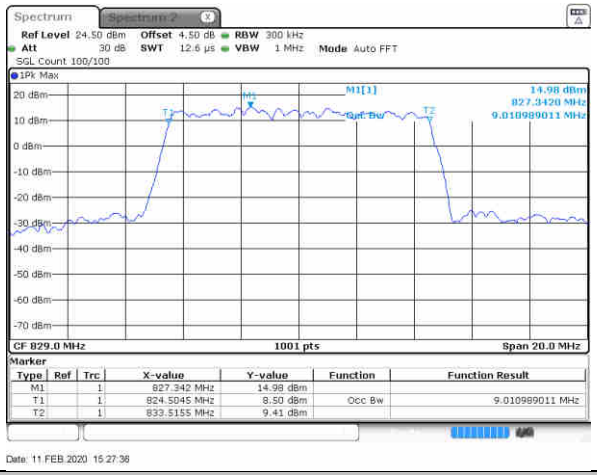


LTE Band 5

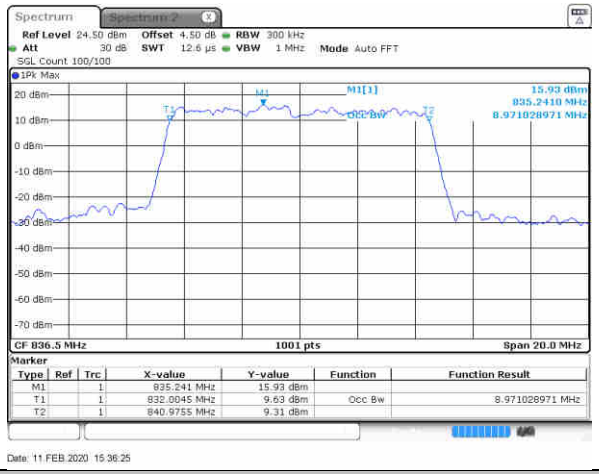
Lowest Channel / 10MHz / QPSK



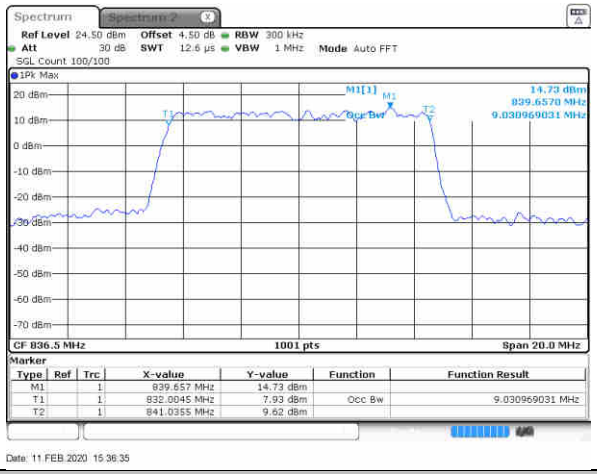
Lowest Channel / 10MHz / 16QAM



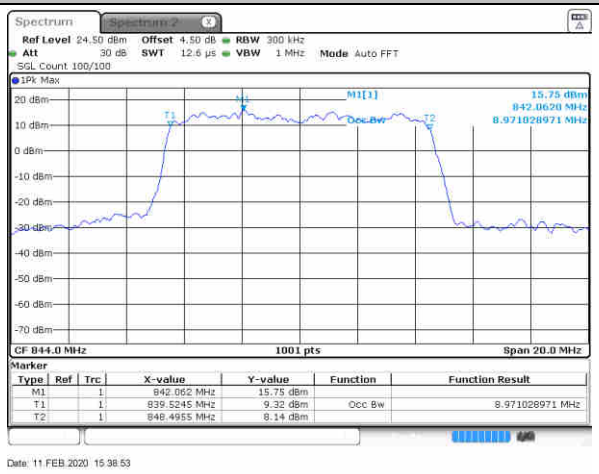
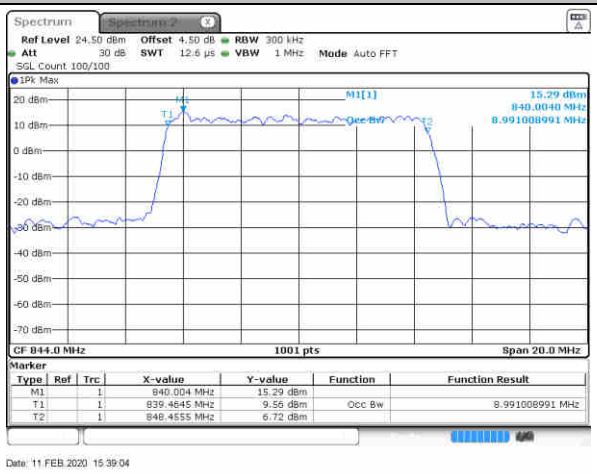
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM