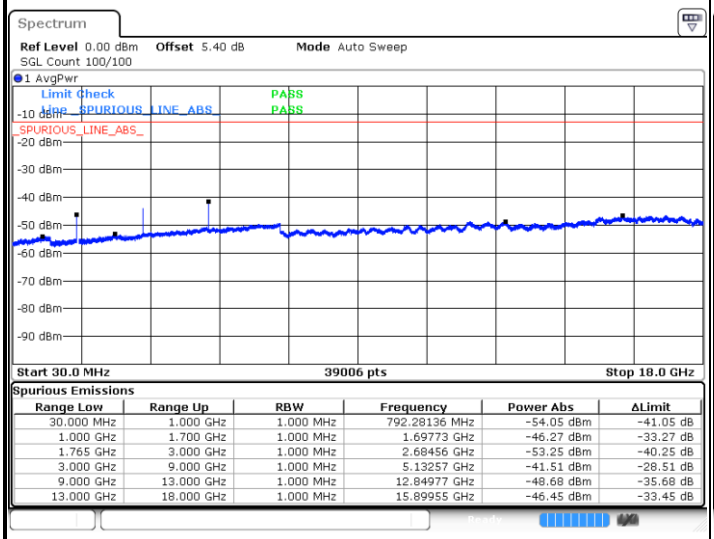
LTE Band 4 / 15MHz

Lowest Channel / QPSK

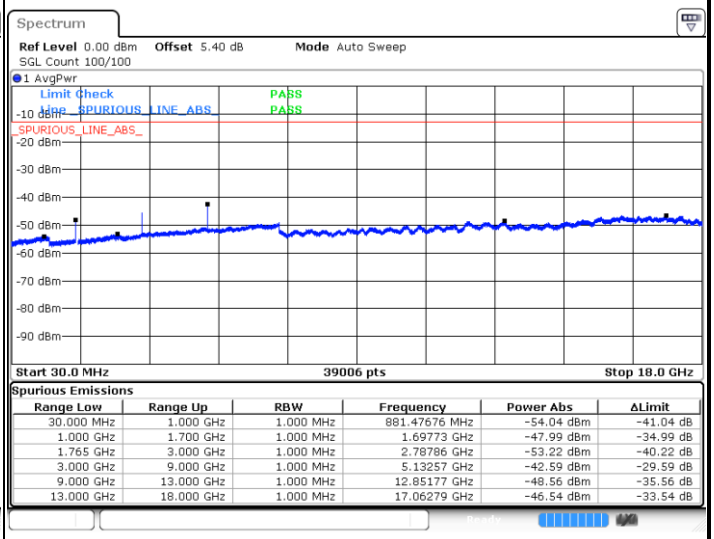


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	792.28136 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-46.27 dBm	-33.27 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68456 GHz	-53.25 dBm	-40.25 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13257 GHz	-41.51 dBm	-28.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-48.68 dBm	-35.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89955 GHz	-46.45 dBm	-33.45 dB

Date: 28.MAY.2020 23:31:37

Lowest Channel / 16QAM

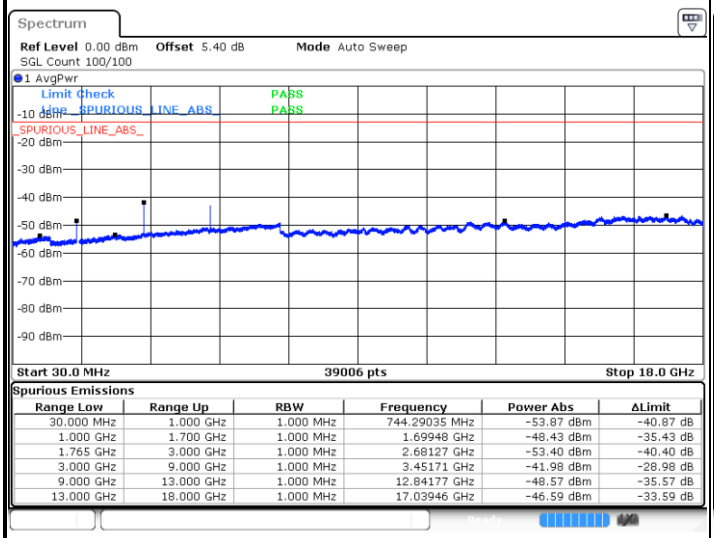


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.47676 MHz	-54.04 dBm	-41.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-47.99 dBm	-34.99 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.78786 GHz	-53.22 dBm	-40.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13257 GHz	-42.59 dBm	-29.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85177 GHz	-48.56 dBm	-35.56 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.06279 GHz	-46.54 dBm	-33.54 dB

Date: 28.MAY.2020 23:32:32

Middle Channel / QPSK

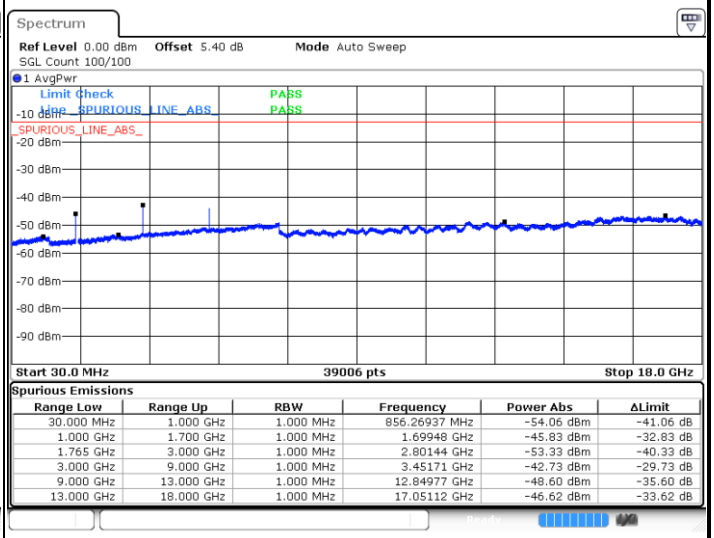


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	744.29035 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-48.43 dBm	-35.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68127 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-41.98 dBm	-28.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84177 GHz	-48.57 dBm	-35.57 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.03946 GHz	-46.59 dBm	-33.59 dB

Date: 28.MAY.2020 23:34:06

Middle Channel / 16QAM



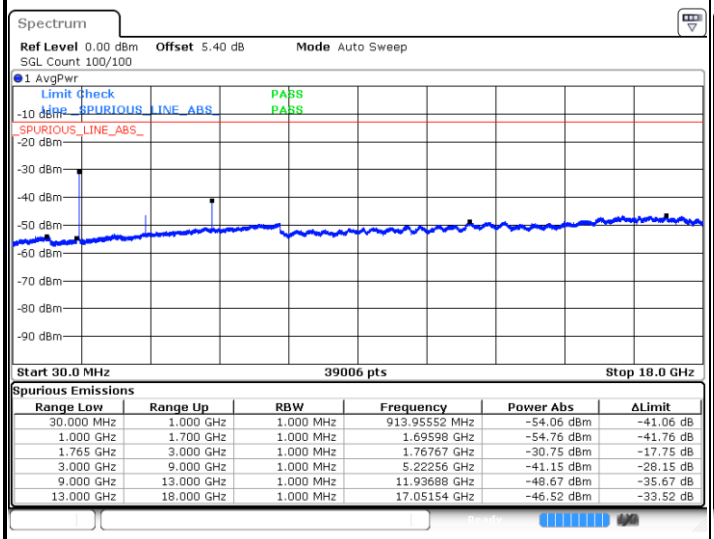
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.26937 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-45.83 dBm	-32.83 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.80144 GHz	-53.33 dBm	-40.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-42.73 dBm	-29.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84977 GHz	-48.60 dBm	-35.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.05112 GHz	-46.62 dBm	-33.62 dB

Date: 28.MAY.2020 23:35:01

LTE Band 4 / 15MHz

Highest Channel / QPSK

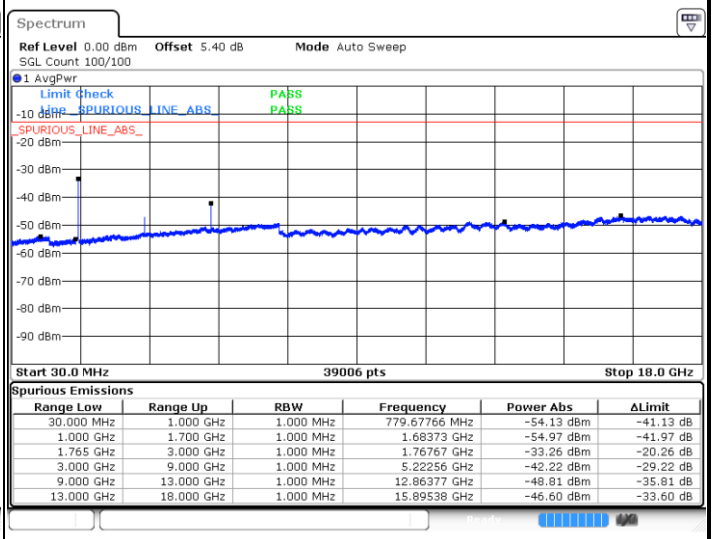


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-54.76 dBm	-41.76 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-30.75 dBm	-17.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.22256 GHz	-41.15 dBm	-28.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93688 GHz	-48.67 dBm	-35.67 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.05154 GHz	-46.52 dBm	-33.52 dB

Date: 28.MAY.2020 23:41:05

Highest Channel / 16QAM



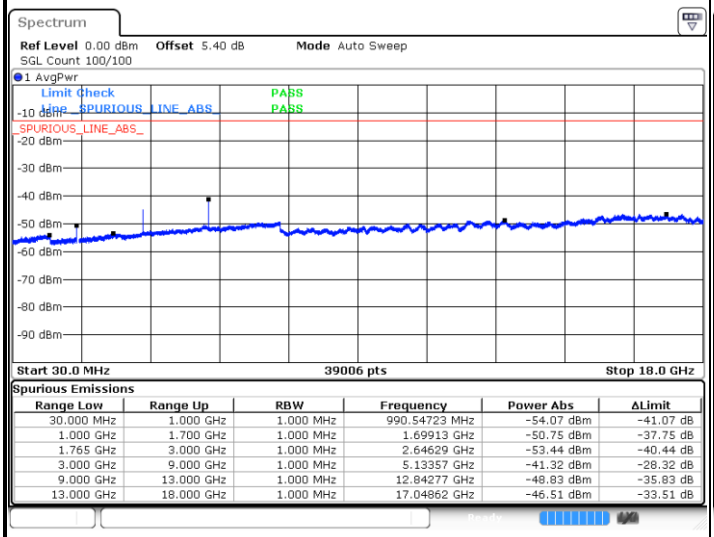
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	779.67766 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68373 GHz	-54.97 dBm	-41.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-33.26 dBm	-20.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.22256 GHz	-42.22 dBm	-29.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86377 GHz	-48.81 dBm	-35.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89538 GHz	-46.60 dBm	-33.60 dB

Date: 28.MAY.2020 23:41:59

LTE Band 4 / 20MHz

Lowest Channel / QPSK

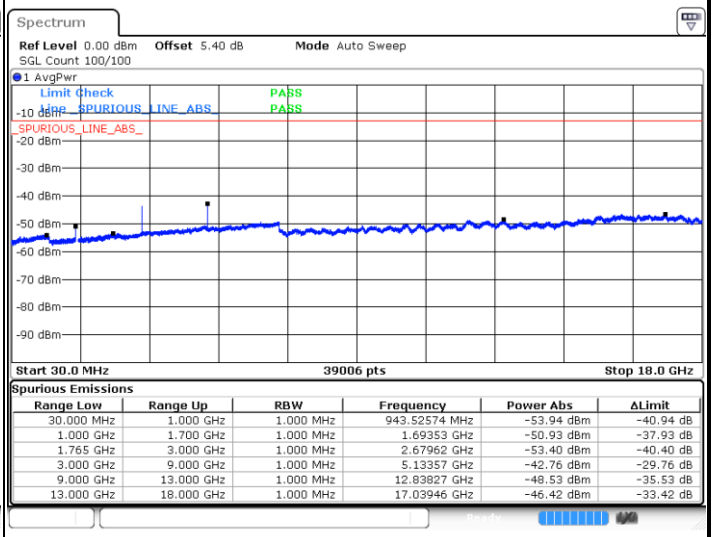


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-50.75 dBm	-37.75 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64629 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13357 GHz	-41.32 dBm	-28.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84277 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04862 GHz	-46.51 dBm	-33.51 dB

Date: 28.MAY.2020 23:48:04

Lowest Channel / 16QAM



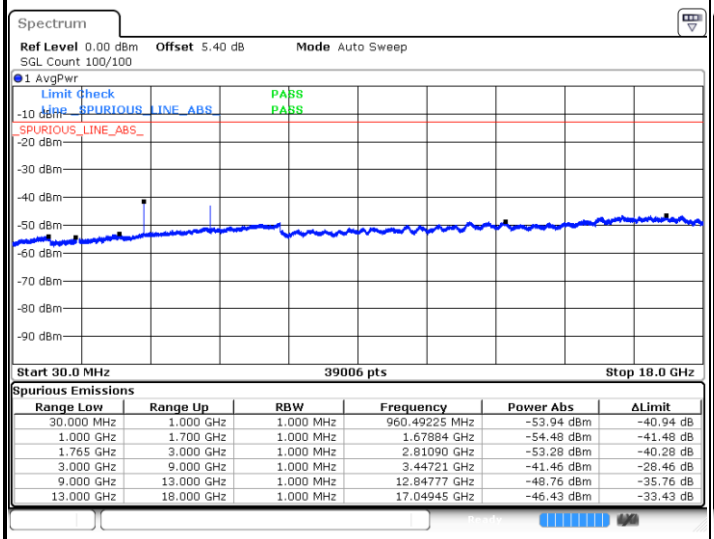
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-50.93 dBm	-37.93 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67962 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13357 GHz	-42.76 dBm	-29.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83827 GHz	-48.53 dBm	-35.53 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.03946 GHz	-46.42 dBm	-33.42 dB

Date: 28.MAY.2020 23:48:58

LTE Band 4 / 20MHz

Middle Channel / QPSK

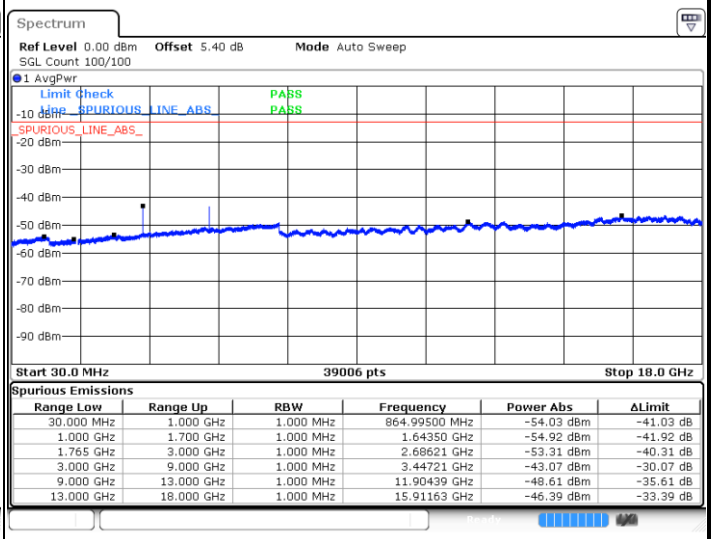


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67884 GHz	-54.48 dBm	-41.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81090 GHz	-53.28 dBm	-40.28 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-41.46 dBm	-28.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84777 GHz	-48.76 dBm	-35.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04945 GHz	-46.43 dBm	-33.43 dB

Date: 28.MAY.2020 23:50:33

Middle Channel / 16QAM

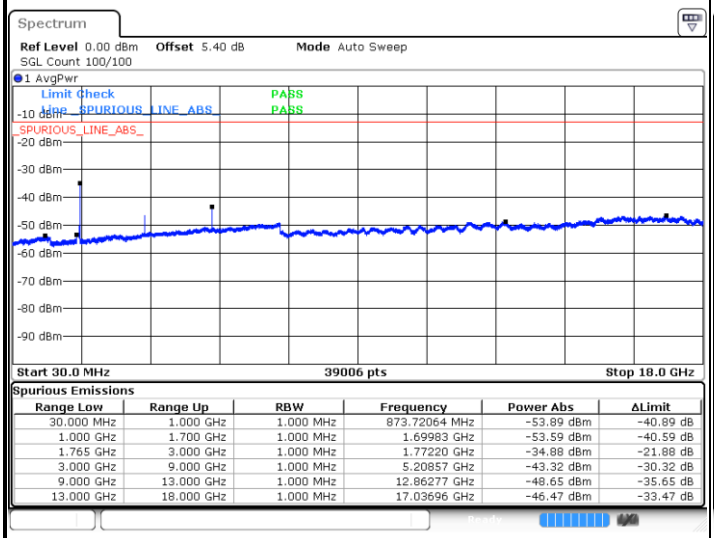


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.99500 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64350 GHz	-54.92 dBm	-41.92 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68621 GHz	-53.31 dBm	-40.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-43.07 dBm	-30.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.90439 GHz	-48.61 dBm	-35.61 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.91163 GHz	-46.39 dBm	-33.39 dB

Date: 28.MAY.2020 23:51:27

Highest Channel / QPSK

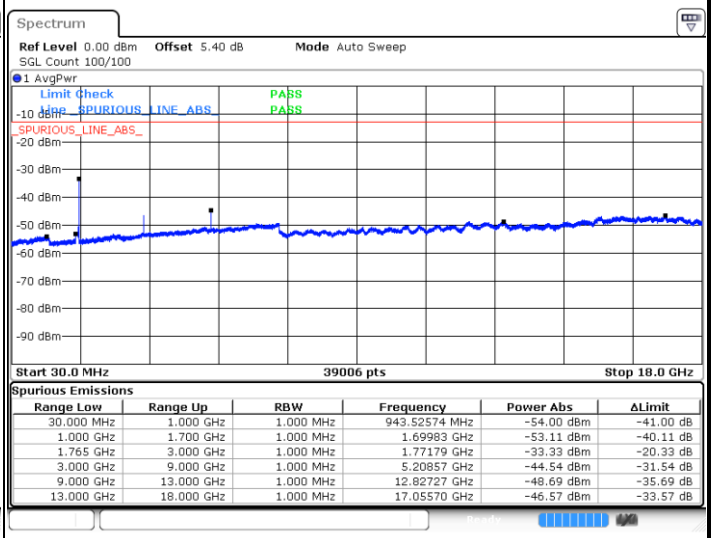


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.72064 MHz	-53.89 dBm	-40.89 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.59 dBm	-40.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-34.88 dBm	-21.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.20857 GHz	-43.32 dBm	-30.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.86277 GHz	-48.65 dBm	-35.65 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.03696 GHz	-46.47 dBm	-33.47 dB

Date: 29.MAY.2020 00:57:49

Highest Channel / 16QAM



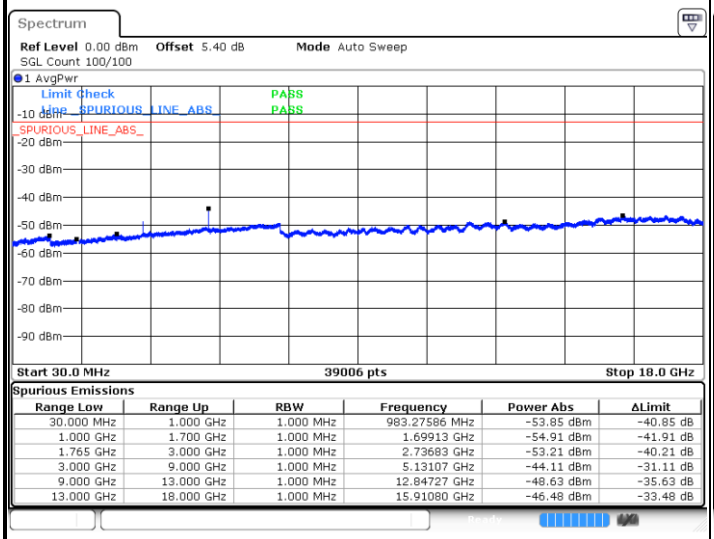
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.11 dBm	-40.11 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-33.33 dBm	-20.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.20857 GHz	-44.54 dBm	-31.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82727 GHz	-48.69 dBm	-35.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.05570 GHz	-46.57 dBm	-33.57 dB

Date: 29.MAY.2020 00:58:44

LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM

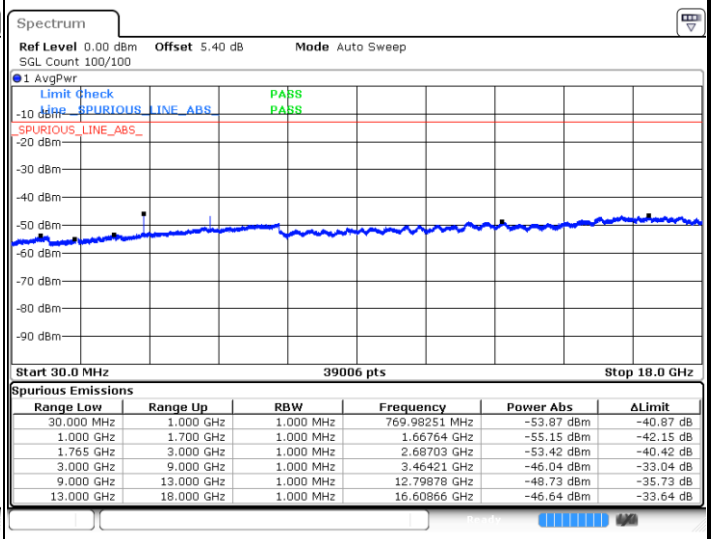


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-53.85 dBm	-40.85 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-54.91 dBm	-41.91 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.73683 GHz	-53.21 dBm	-40.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13107 GHz	-44.11 dBm	-31.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84727 GHz	-48.63 dBm	-35.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.91080 GHz	-46.48 dBm	-33.48 dB

Date: 29.MAY.2020 01:08:03

Middle Channel / 64QAM

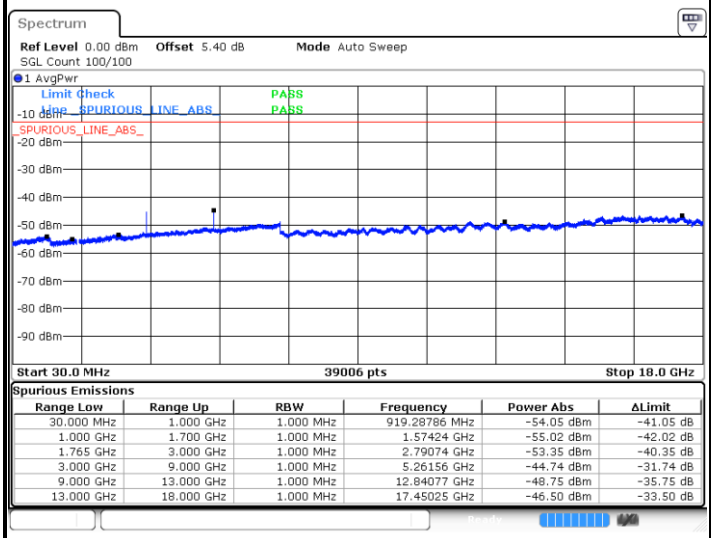


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	769.98251 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66764 GHz	-55.15 dBm	-42.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68703 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46421 GHz	-46.04 dBm	-33.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.79878 GHz	-48.73 dBm	-35.73 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.60866 GHz	-46.64 dBm	-33.64 dB

Date: 29.MAY.2020 01:09:18

Highest Channel / 64QAM



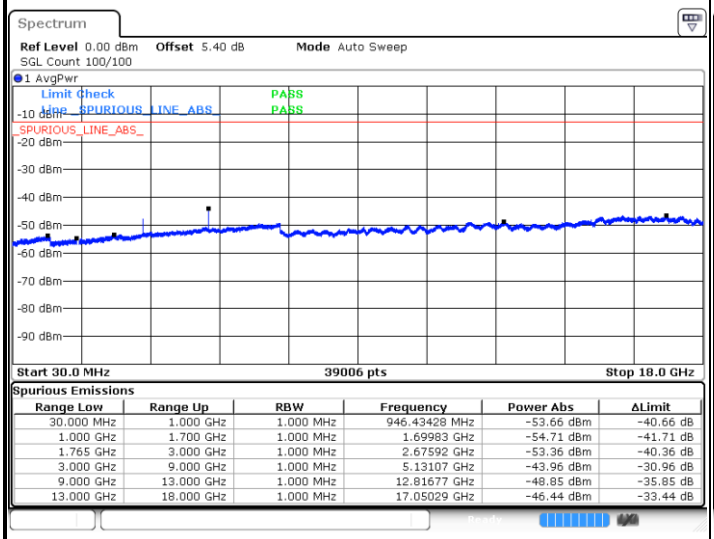
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.57424 GHz	-55.02 dBm	-42.02 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.79074 GHz	-53.35 dBm	-40.35 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.26156 GHz	-44.74 dBm	-31.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84077 GHz	-48.75 dBm	-35.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.45025 GHz	-46.50 dBm	-33.50 dB

Date: 29.MAY.2020 01:12:47

LTE Band 4 / 3MHz

Lowest Channel / 64QAM

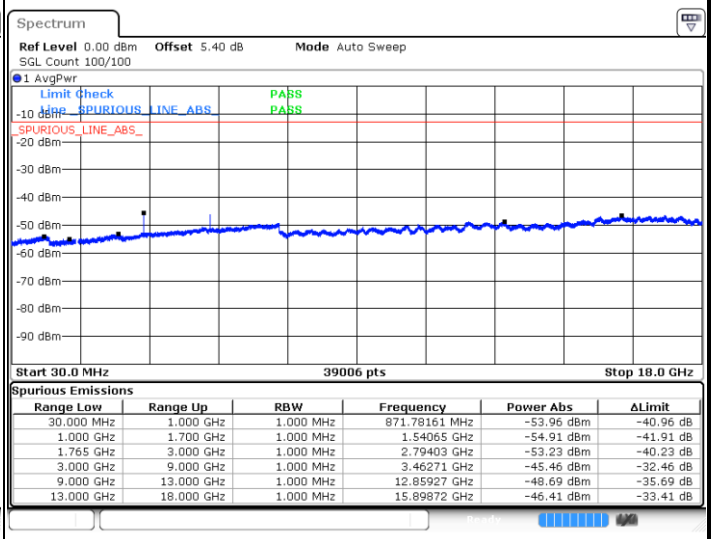


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.43428 MHz	-53.66 dBm	-40.66 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.71 dBm	-41.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67592 GHz	-53.36 dBm	-40.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13107 GHz	-43.96 dBm	-30.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.81677 GHz	-48.85 dBm	-35.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.05029 GHz	-46.44 dBm	-33.44 dB

Date: 29.MAY.2020 01:16:16

Middle Channel / 64QAM

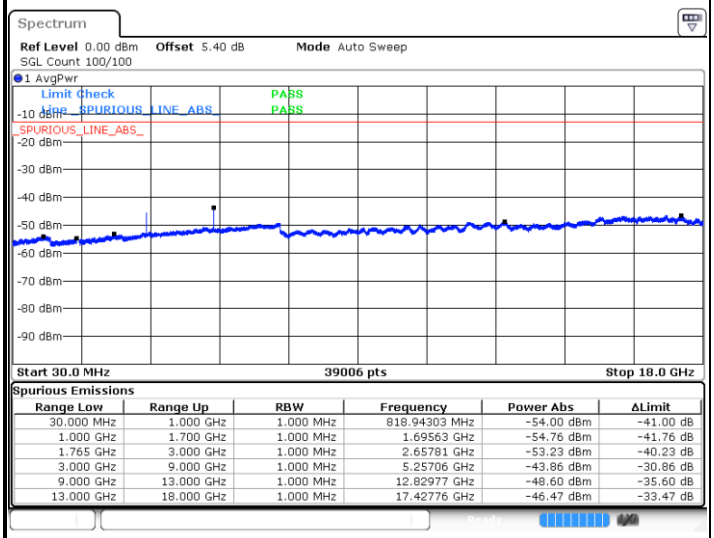


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.54065 GHz	-54.91 dBm	-41.91 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.79403 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46271 GHz	-45.46 dBm	-32.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85927 GHz	-48.69 dBm	-35.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.89872 GHz	-46.41 dBm	-33.41 dB

Date: 29.MAY.2020 01:17:31

Highest Channel / 64QAM



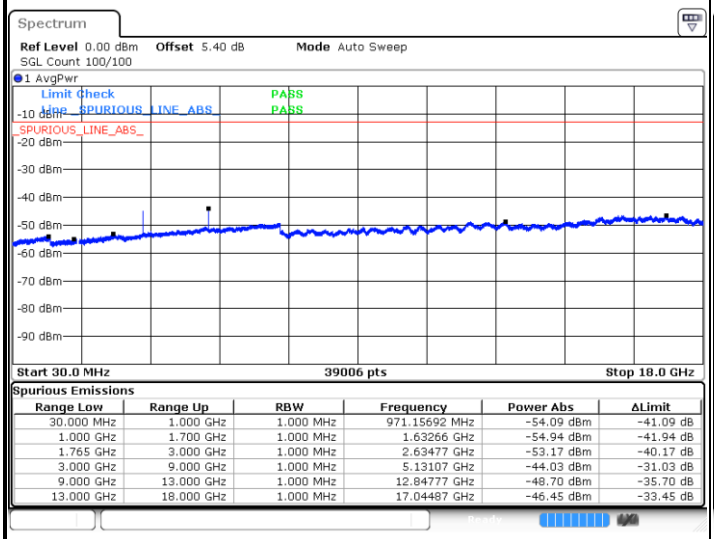
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	818.94303 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69563 GHz	-54.76 dBm	-41.76 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65781 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.25706 GHz	-43.86 dBm	-30.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.82977 GHz	-48.60 dBm	-35.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.42776 GHz	-46.47 dBm	-33.47 dB

Date: 29.MAY.2020 01:21:01

LTE Band 4 / 5MHz

Lowest Channel / 64QAM

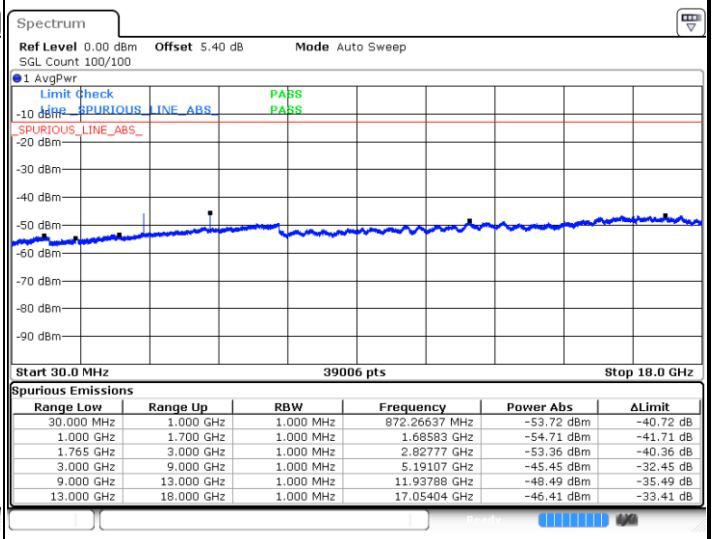


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	971.15692 MHz	-54.09 dBm	-41.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63266 GHz	-54.94 dBm	-41.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.63477 GHz	-53.17 dBm	-40.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13107 GHz	-44.03 dBm	-31.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84777 GHz	-48.70 dBm	-35.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04487 GHz	-46.45 dBm	-33.45 dB

Date: 29.MAY.2020 01:24:30

Middle Channel / 64QAM

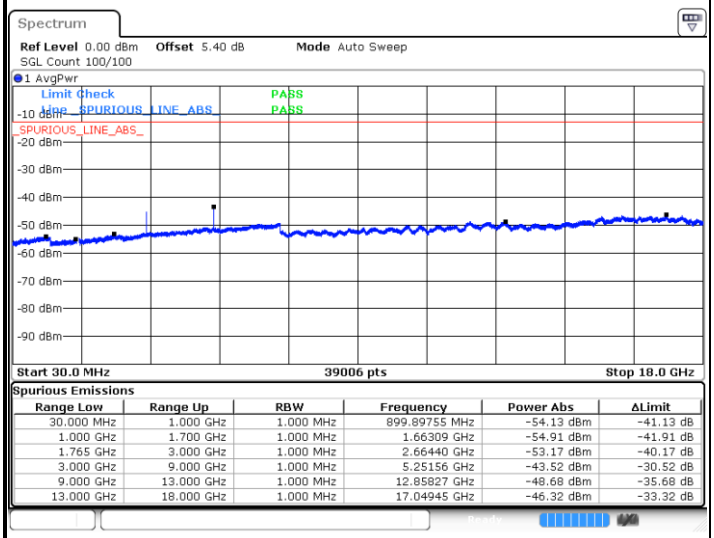


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	872.26637 MHz	-53.72 dBm	-40.72 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68583 GHz	-54.71 dBm	-41.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82777 GHz	-53.36 dBm	-40.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.19107 GHz	-45.45 dBm	-32.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.93788 GHz	-48.49 dBm	-35.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.05404 GHz	-46.41 dBm	-33.41 dB

Date: 29.MAY.2020 01:25:44

Highest Channel / 64QAM



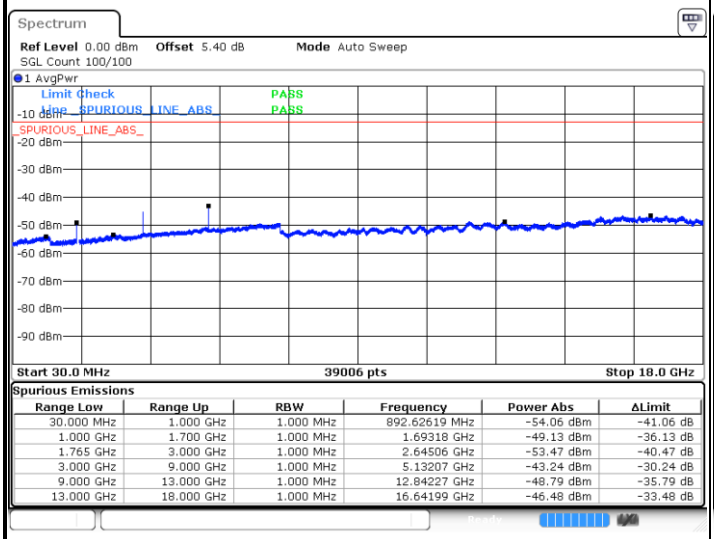
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66309 GHz	-54.91 dBm	-41.91 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66440 GHz	-53.17 dBm	-40.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.25156 GHz	-43.52 dBm	-30.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85827 GHz	-48.68 dBm	-35.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04945 GHz	-46.32 dBm	-33.32 dB

Date: 29.MAY.2020 01:29:14

LTE Band 4 / 10MHz

Lowest Channel / 64QAM

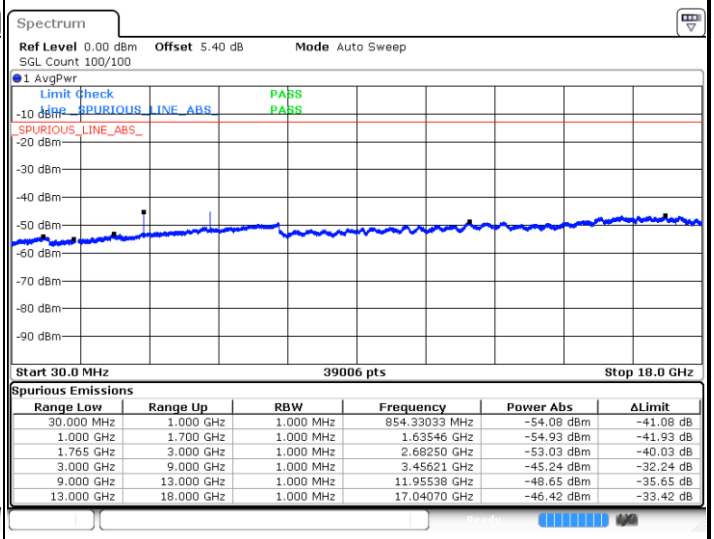


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-49.13 dBm	-36.13 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64506 GHz	-53.47 dBm	-40.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13207 GHz	-43.24 dBm	-30.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84227 GHz	-48.79 dBm	-35.79 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.64199 GHz	-46.48 dBm	-33.48 dB

Date: 29.MAY.2020 01:32:43

Middle Channel / 64QAM

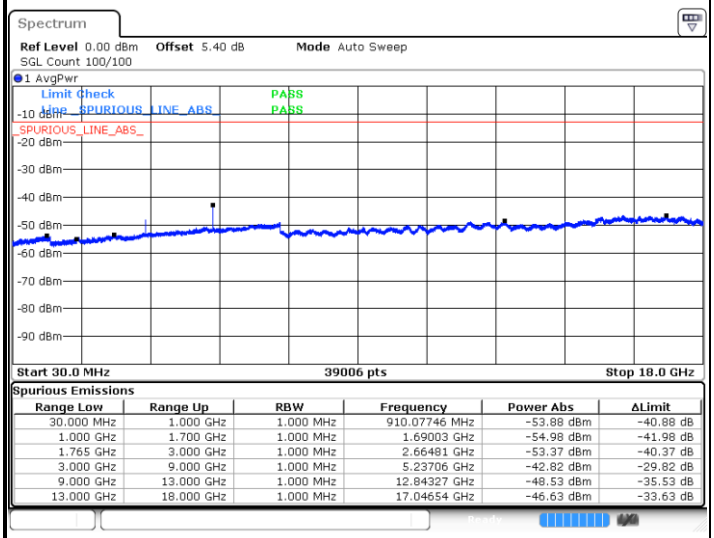


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	854.33033 MHz	-54.08 dBm	-41.08 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63546 GHz	-54.93 dBm	-41.93 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68250 GHz	-53.03 dBm	-40.03 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45621 GHz	-45.24 dBm	-32.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.95538 GHz	-48.65 dBm	-35.65 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04070 GHz	-46.42 dBm	-33.42 dB

Date: 29.MAY.2020 01:33:58

Highest Channel / 64QAM



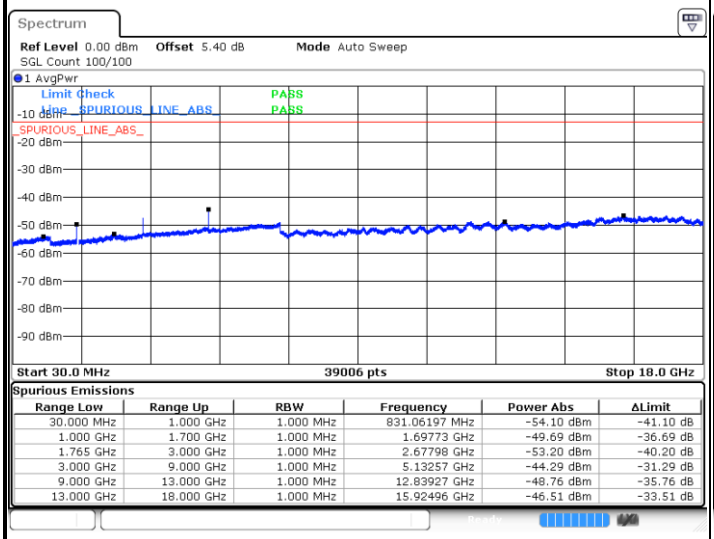
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.07746 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69003 GHz	-54.98 dBm	-41.98 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66481 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.23706 GHz	-42.82 dBm	-29.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84327 GHz	-48.53 dBm	-35.53 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04654 GHz	-46.63 dBm	-33.63 dB

Date: 29.MAY.2020 01:37:27

LTE Band 4 / 15MHz

Lowest Channel / 64QAM

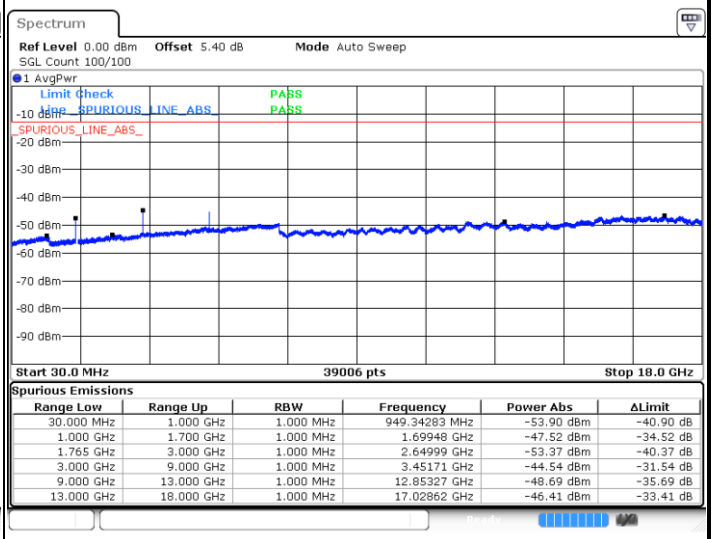


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	831.06197 MHz	-54.10 dBm	-41.10 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-49.69 dBm	-36.69 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67798 GHz	-53.20 dBm	-40.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13257 GHz	-44.29 dBm	-31.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83927 GHz	-48.76 dBm	-35.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.92496 GHz	-46.51 dBm	-33.51 dB

Date: 29.MAY.2020 01:40:57

Middle Channel / 64QAM

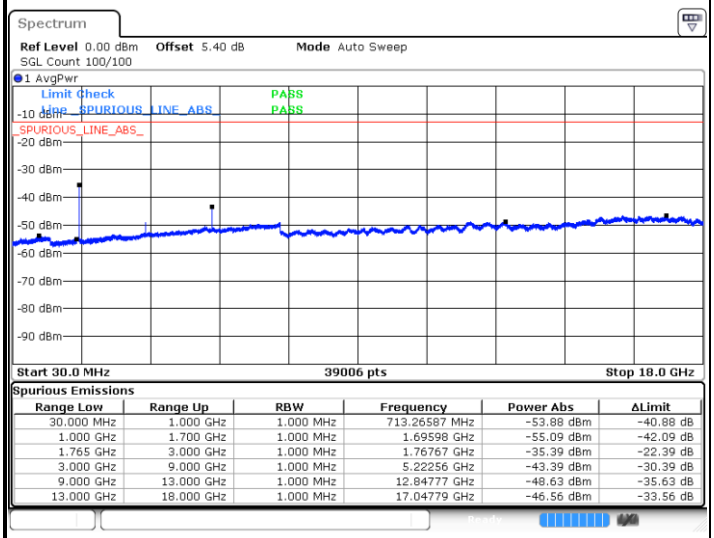


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-53.90 dBm	-40.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-47.52 dBm	-34.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64999 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.45171 GHz	-44.54 dBm	-31.54 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85327 GHz	-48.69 dBm	-35.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.02862 GHz	-46.41 dBm	-33.41 dB

Date: 29.MAY.2020 01:42:11

Highest Channel / 64QAM



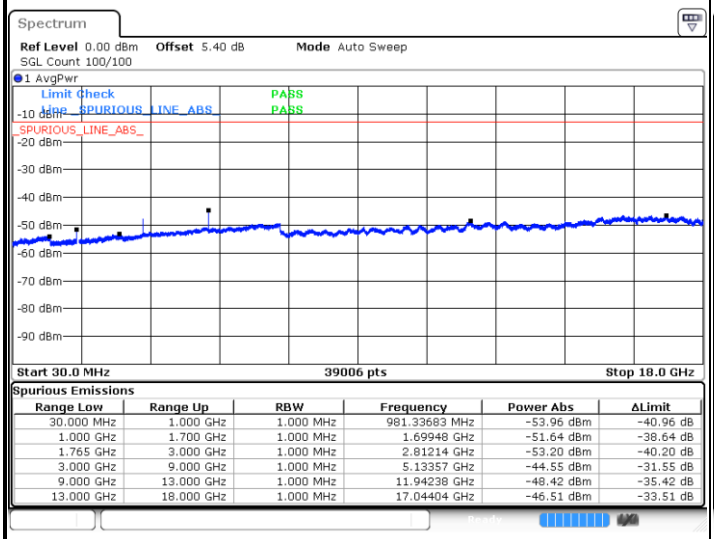
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	713.26587 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69598 GHz	-55.09 dBm	-42.09 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-35.39 dBm	-22.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.22256 GHz	-43.39 dBm	-30.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84777 GHz	-48.63 dBm	-35.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04779 GHz	-46.56 dBm	-33.56 dB

Date: 29.MAY.2020 01:45:41

LTE Band 4 / 20MHz

Lowest Channel / 64QAM

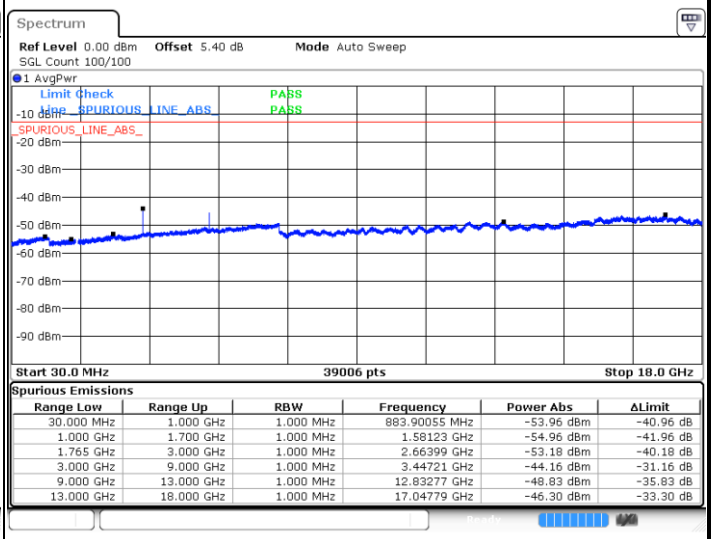


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-51.64 dBm	-38.64 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81214 GHz	-53.20 dBm	-40.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.13357 GHz	-44.55 dBm	-31.55 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.94238 GHz	-48.42 dBm	-35.42 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04404 GHz	-46.51 dBm	-33.51 dB

Date: 29.MAY.2020 01:49:10

Middle Channel / 64QAM

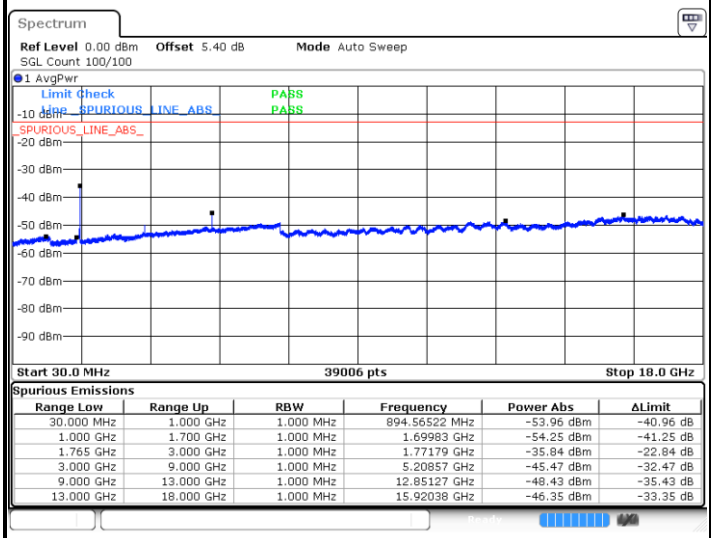


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	883.90055 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.58123 GHz	-54.96 dBm	-41.96 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66399 GHz	-53.18 dBm	-40.18 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.44721 GHz	-44.16 dBm	-31.16 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83277 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	17.04779 GHz	-46.30 dBm	-33.30 dB

Date: 29.MAY.2020 01:50:25

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.56522 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.25 dBm	-41.25 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-35.84 dBm	-22.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.20857 GHz	-45.47 dBm	-32.47 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85127 GHz	-48.43 dBm	-35.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.92038 GHz	-46.35 dBm	-33.35 dB

Date: 29.MAY.2020 02:01:02

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	0.0021	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0040	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

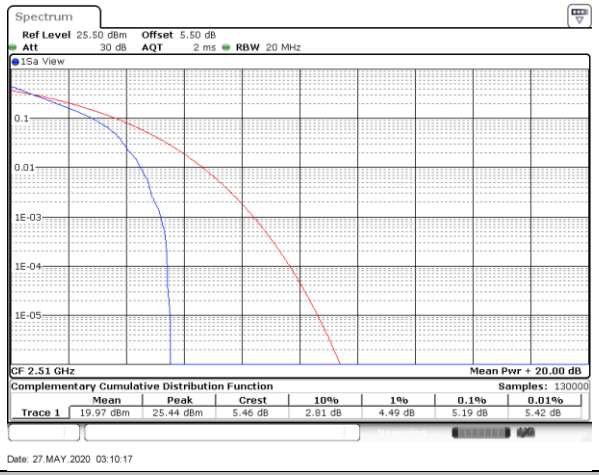
LTE Band 7

Peak-to-Average Ratio

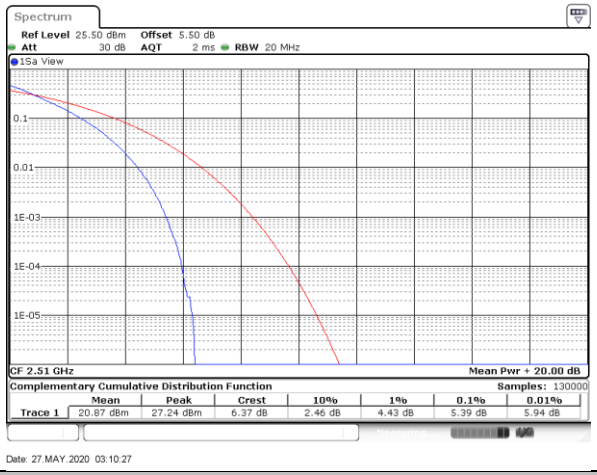
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.19	5.39	6.23	6.32	PASS
Middle CH	5.10	5.54	5.94	6.43	
Highest CH	5.62	5.36	6.84	6.23	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	6.99	6.58	-	-	PASS
Middle CH	6.43	6.67	-	-	
Highest CH	6.75	6.43	-	-	

LTE Band 7 / 20MHz / QPSK

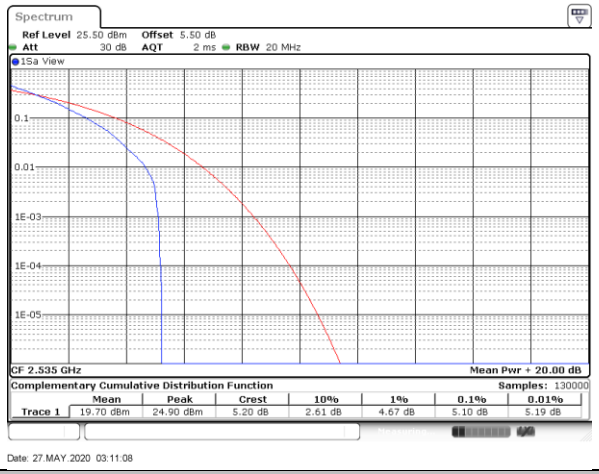
Lowest Channel / 1RB



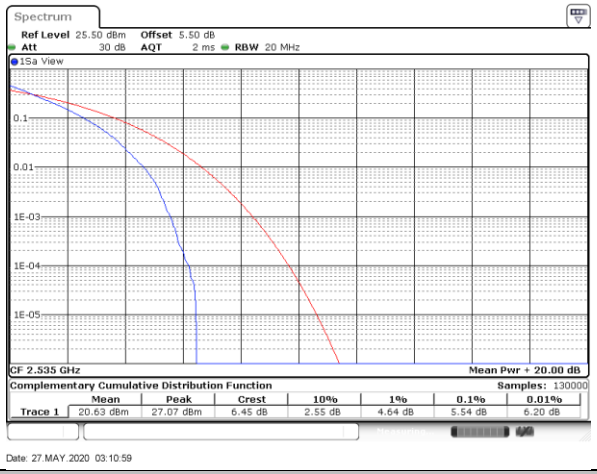
Lowest Channel / Full RB



Middle Channel / 1RB

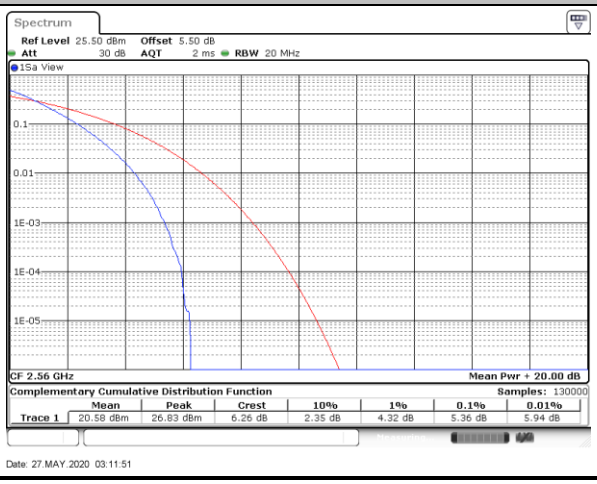


Middle Channel / Full RB



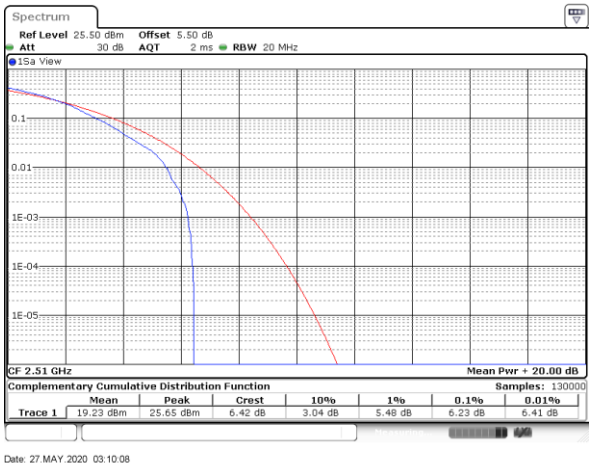
Highest Channel / 1RB

Highest Channel / Full RB

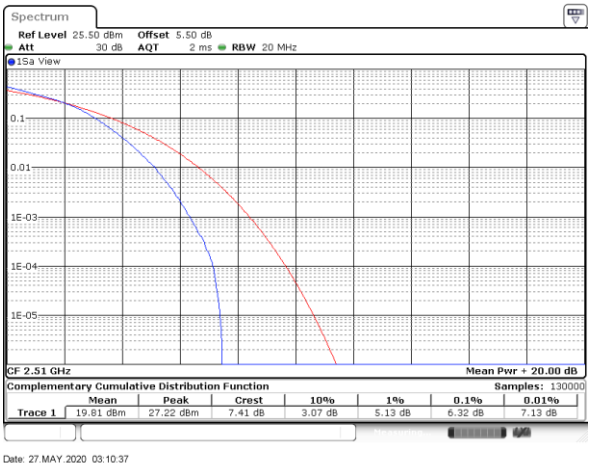


LTE Band 7 / 20MHz / 16QAM

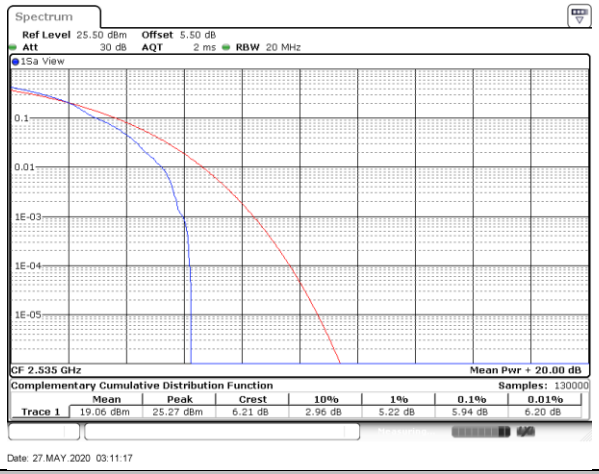
Lowest Channel / 1RB



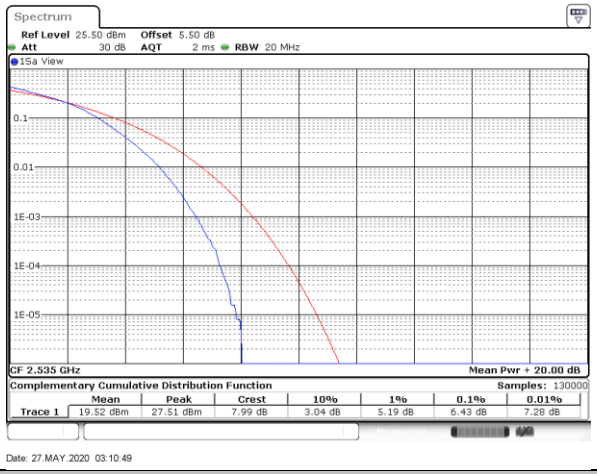
Lowest Channel / Full RB



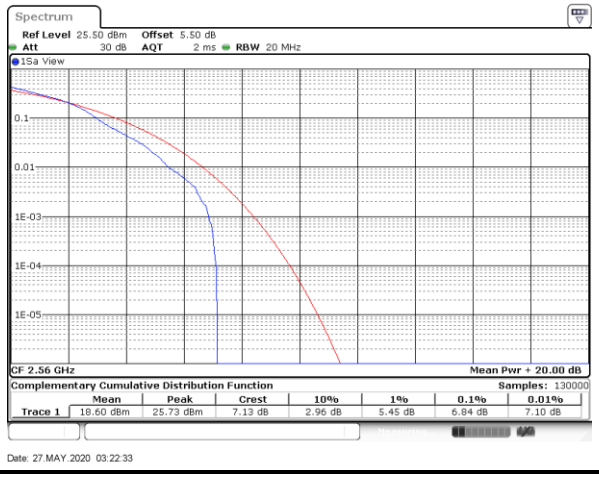
Middle Channel / 1RB



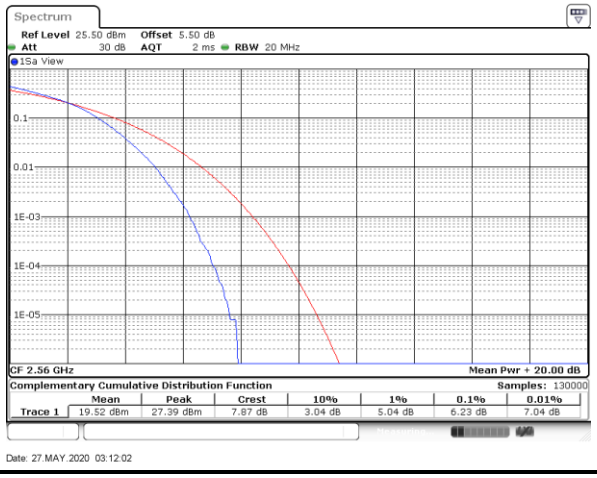
Middle Channel / Full RB



Highest Channel / 1RB

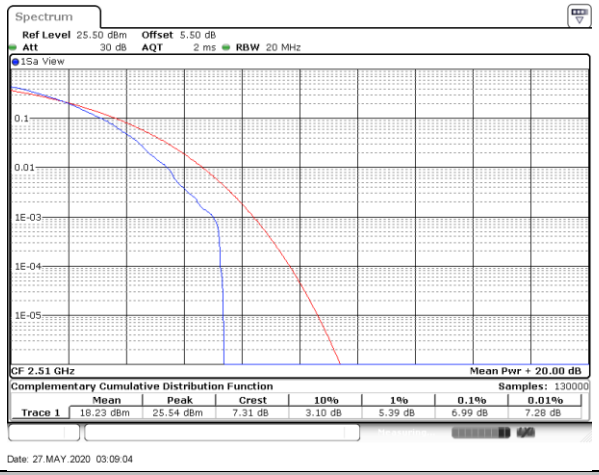


Highest Channel / Full RB

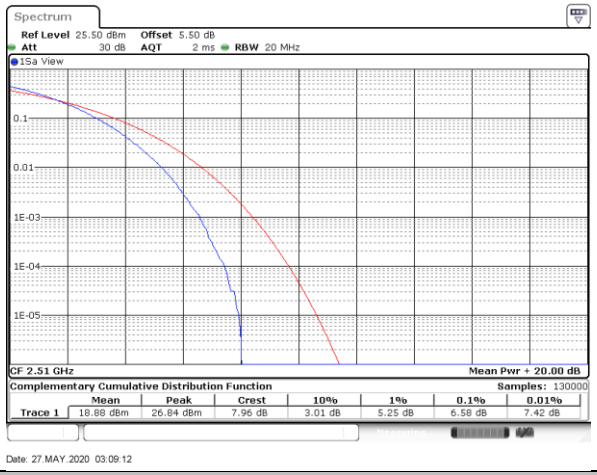


LTE Band 7 / 20MHz / 64QAM

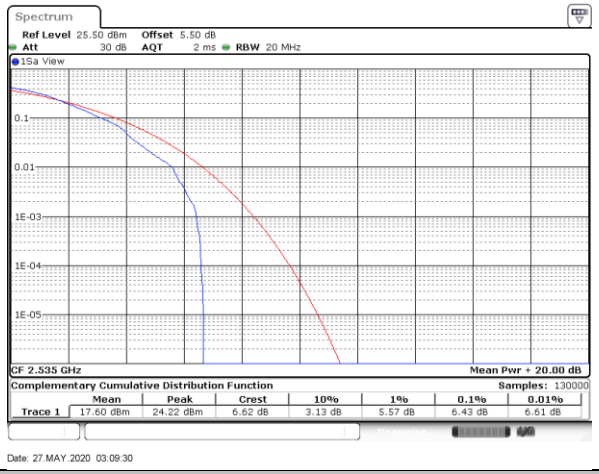
Lowest Channel / 1RB



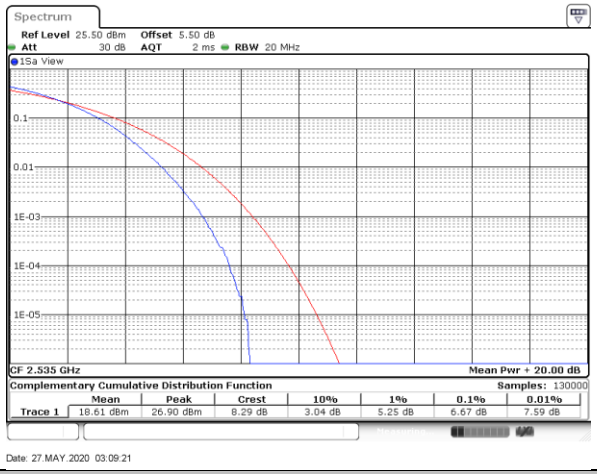
Lowest Channel / Full RB



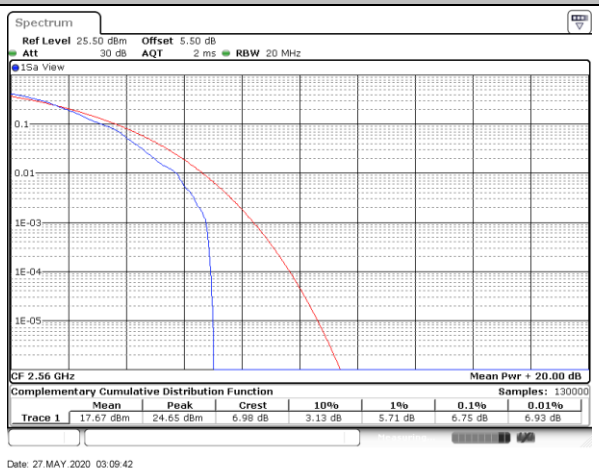
Middle Channel / 1RB



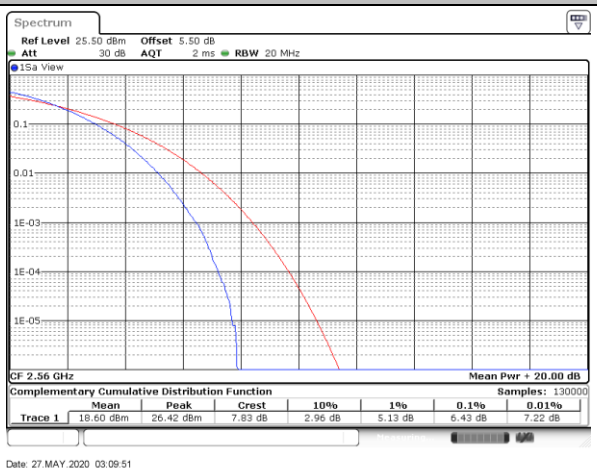
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB



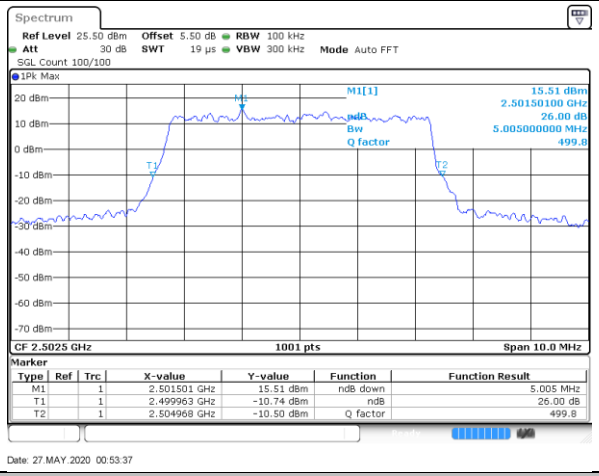
26dB Bandwidth

Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	5.01	5.04	9.77	10.47	14.66	14.75	20.34	20.14
Middle CH	5.09	5.04	10.05	9.81	14.39	14.60	20.18	20.10
Highest CH	5.04	5.10	9.77	9.75	14.87	14.63	20.14	20.18

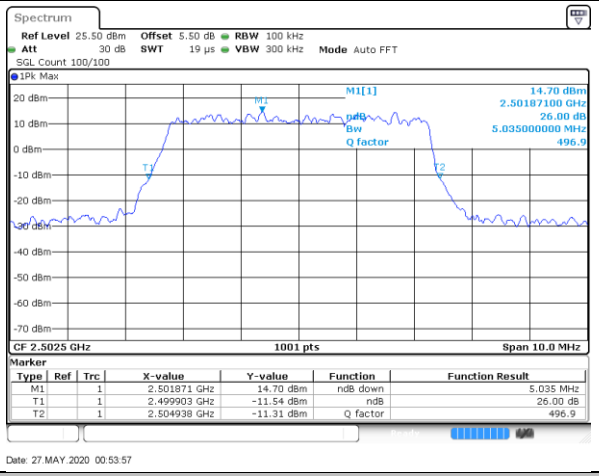
Mode	LTE Band 7 : 26dB BW(MHz)			
BW	5MHz	10MHz	15MHz	20MHz
Mod.	64QAM	64QAM	64QAM	64QAM
Lowest CH	5.04	9.73	14.96	20.18
Middle CH	5.12	10.15	14.84	20.50
Highest CH	4.99	10.05	14.51	20.30

LTE Band 7

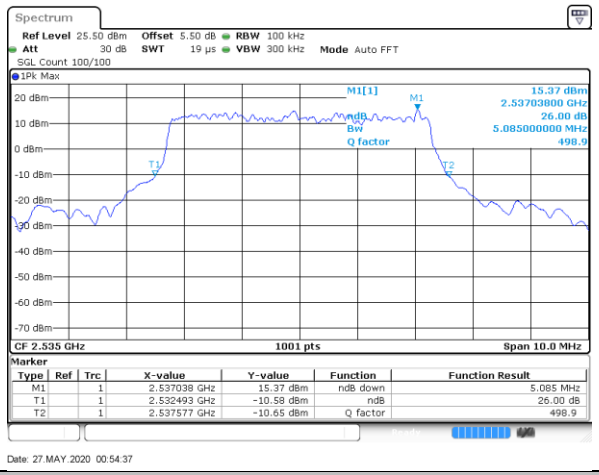
Lowest Channel / 5MHz / QPSK



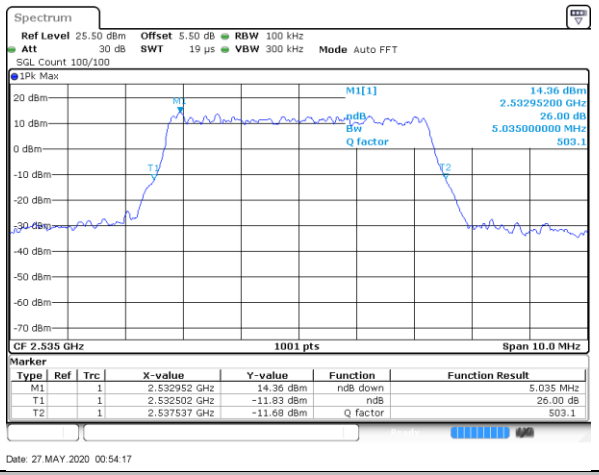
Lowest Channel / 5MHz / 16QAM



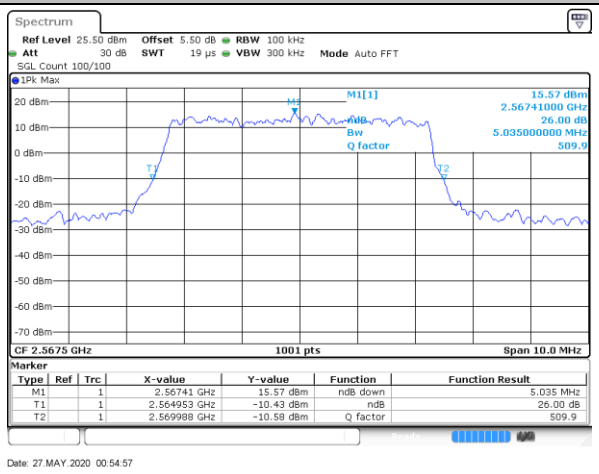
Middle Channel / 5MHz / QPSK



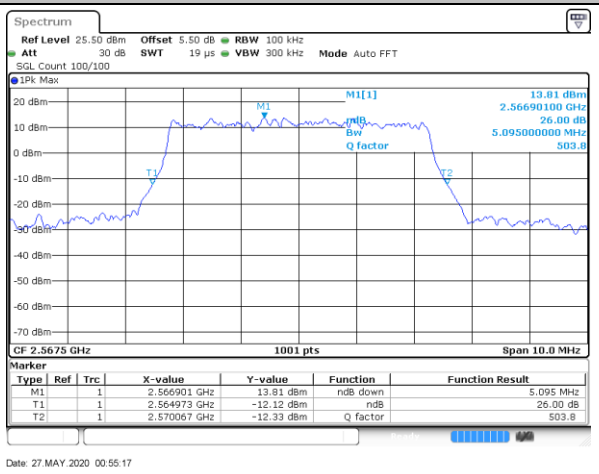
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

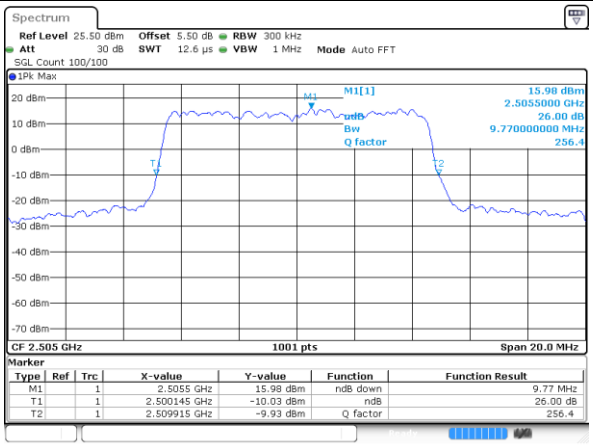


Highest Channel / 5MHz / 16QAM

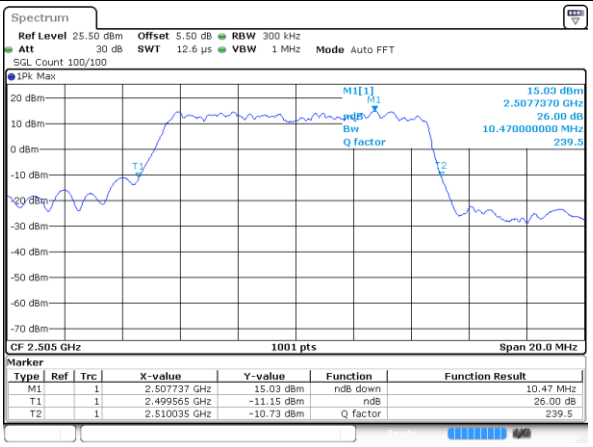


LTE Band 7

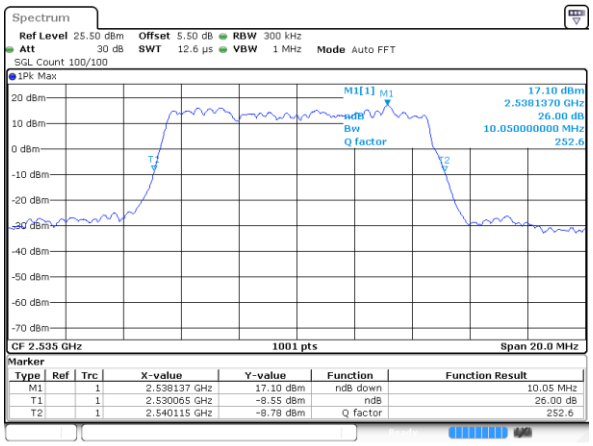
Lowest Channel / 10MHz / QPSK



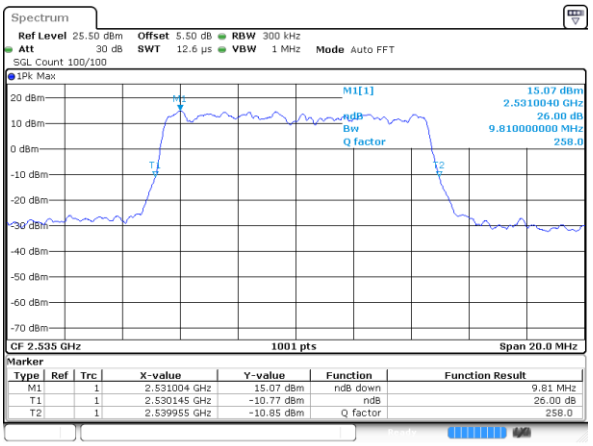
Lowest Channel / 10MHz / 16QAM



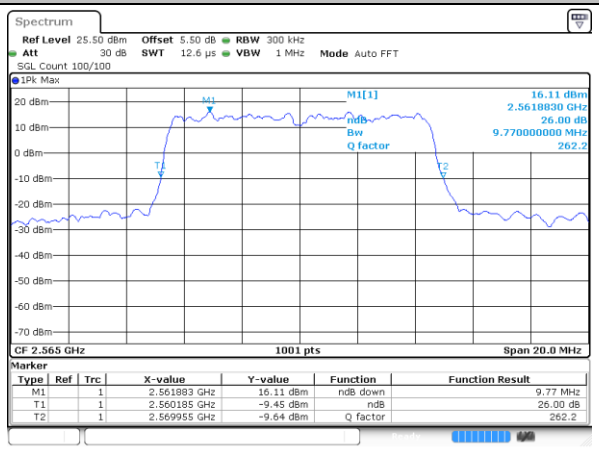
Middle Channel / 10MHz / QPSK



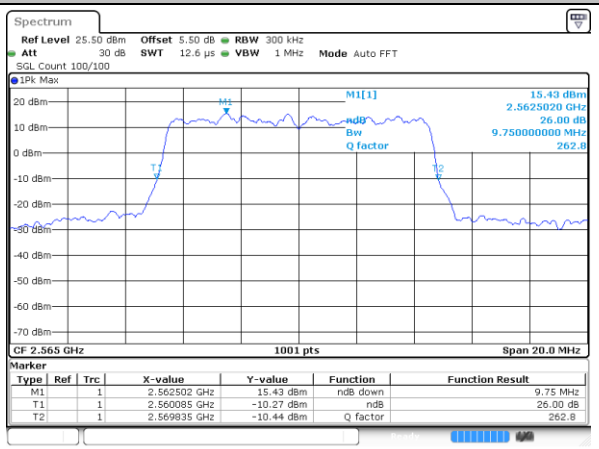
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

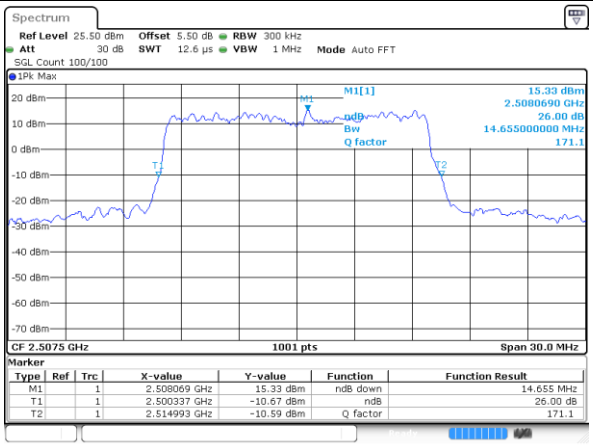


Highest Channel / 10MHz / 16QAM

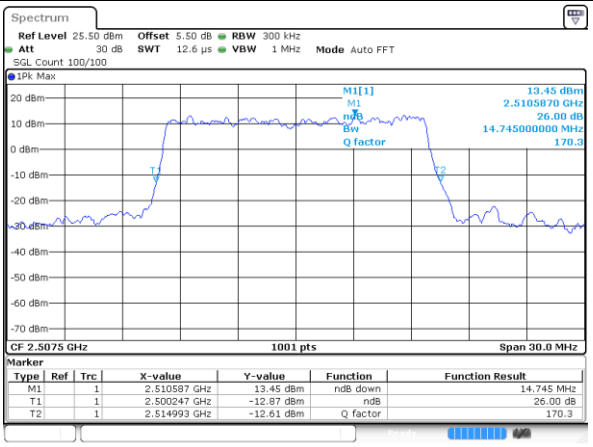


LTE Band 7

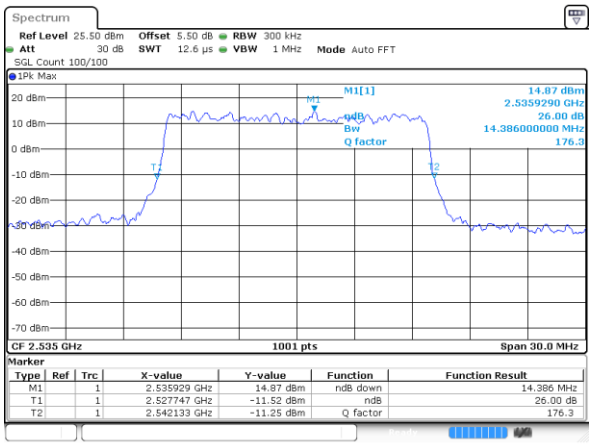
Lowest Channel / 15MHz / QPSK



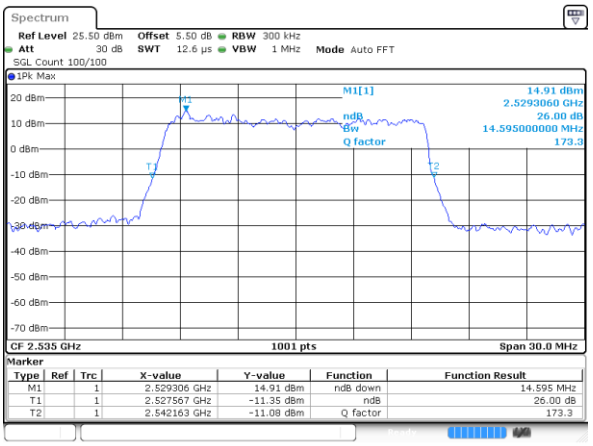
Lowest Channel / 15MHz / 16QAM



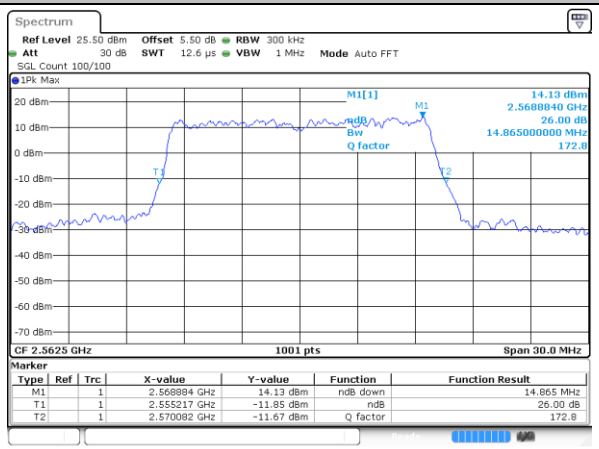
Middle Channel / 15MHz / QPSK



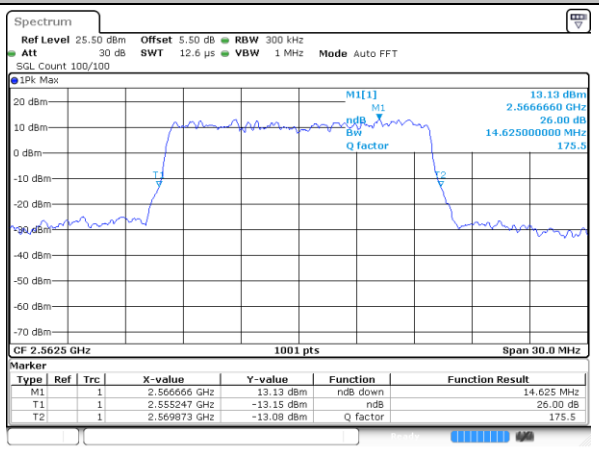
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

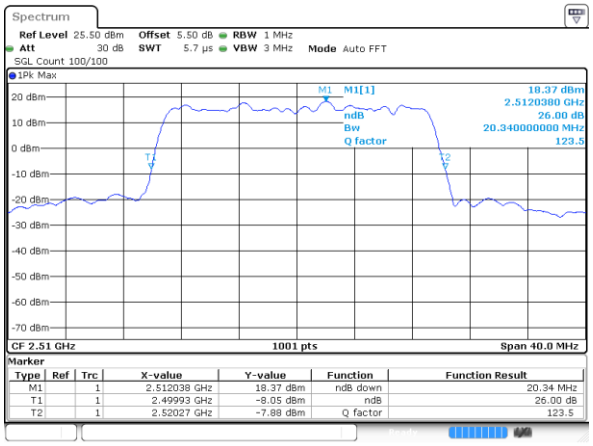


Highest Channel / 15MHz / 16QAM



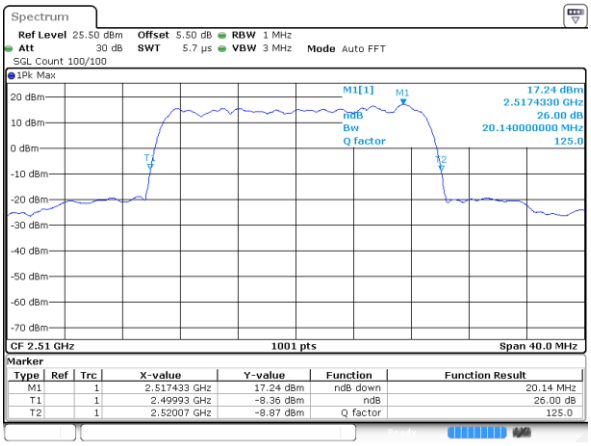
LTE Band 7

Lowest Channel / 20MHz / QPSK



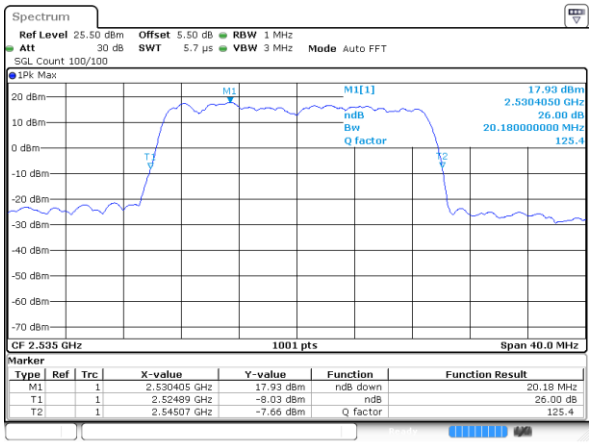
Date: 27.MAY.2020 02:20:00

Lowest Channel / 20MHz / 16QAM



Date: 27.MAY.2020 02:19:41

Middle Channel / 20MHz / QPSK



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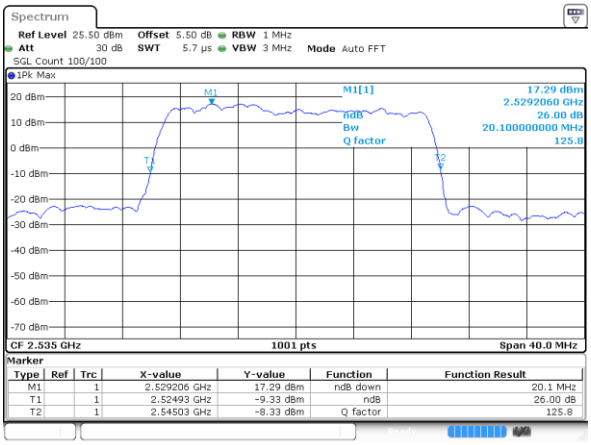
Middle Channel / 20MHz / 16QAM



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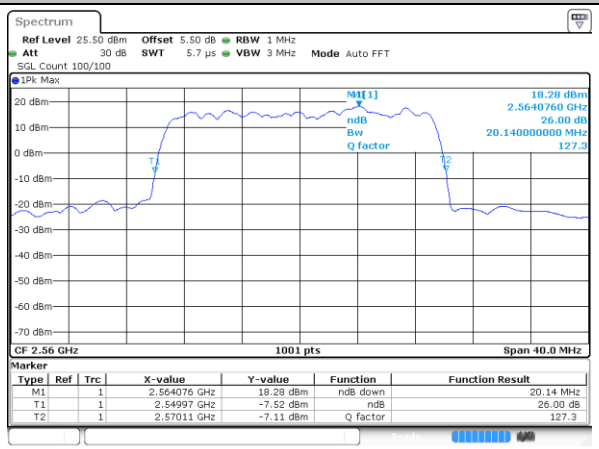
Highest Channel / 20MHz / QPSK



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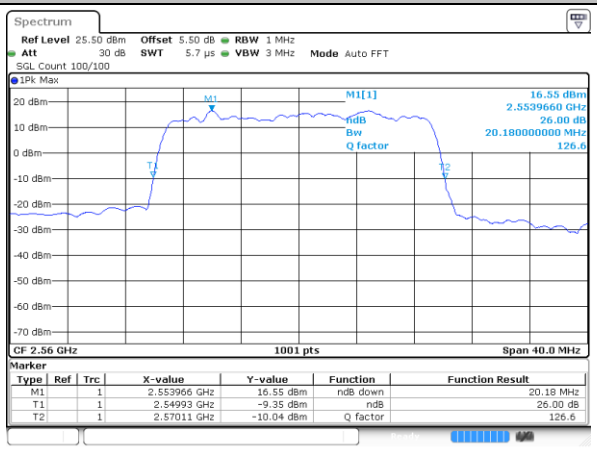
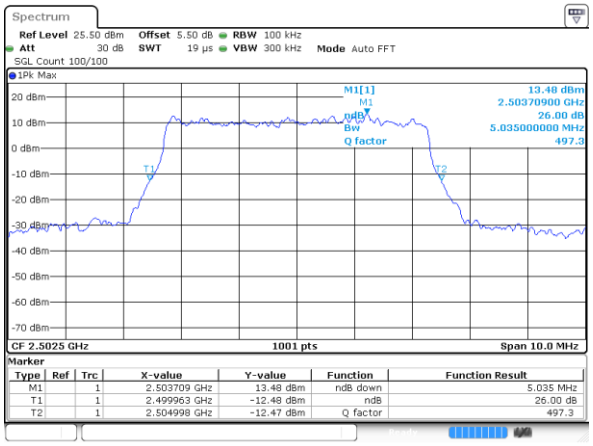
Highest Channel / 20MHz / 16QAM



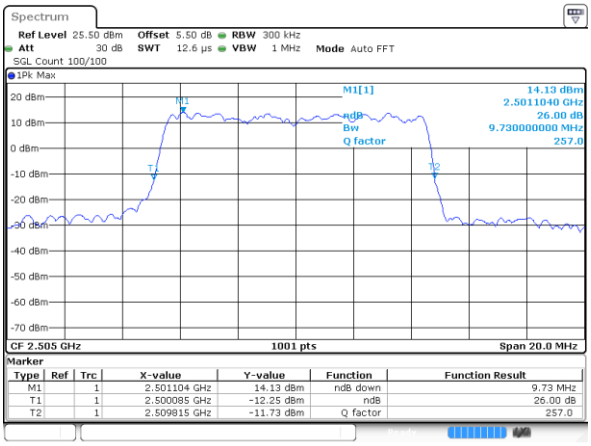
Date: 27.MAY.2020 02:21:00

LTE Band 7

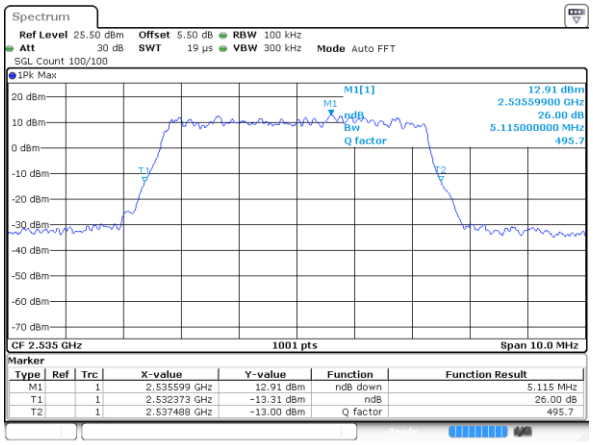
Lowest Channel / 5MHz / 64QAM



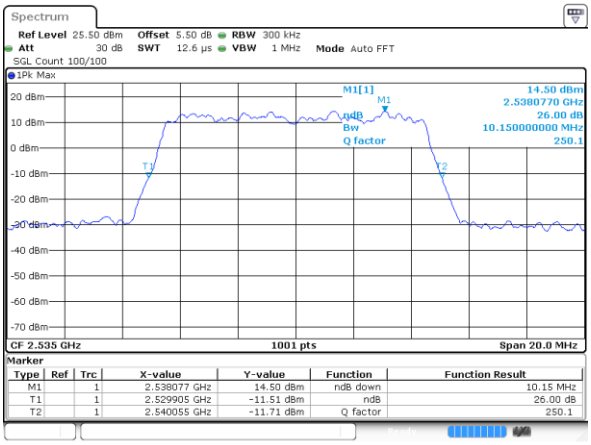
Lowest Channel / 10MHz / 64QAM



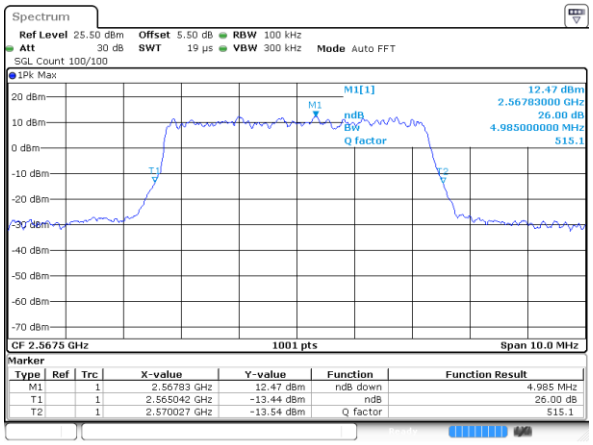
Middle Channel / 5MHz / 64QAM



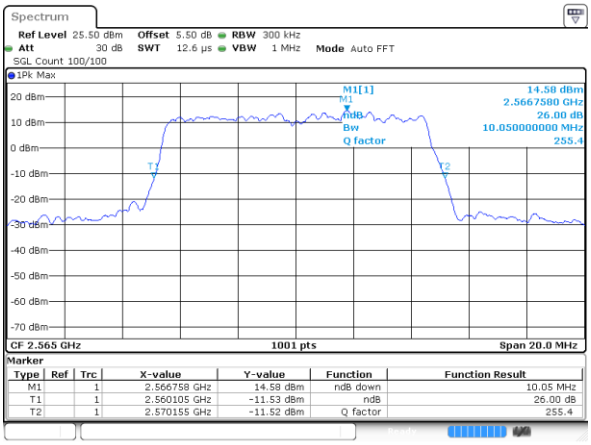
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

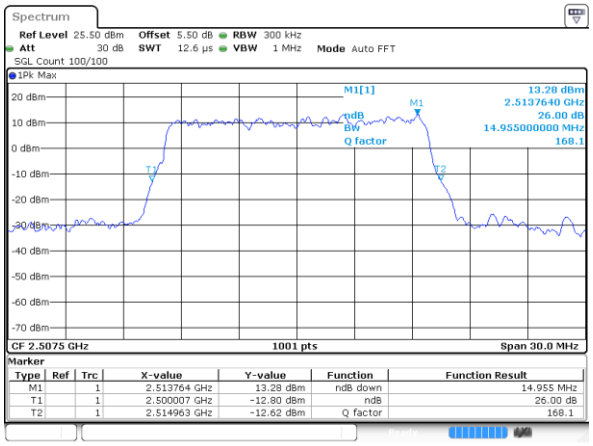


Highest Channel / 10MHz / 64QAM

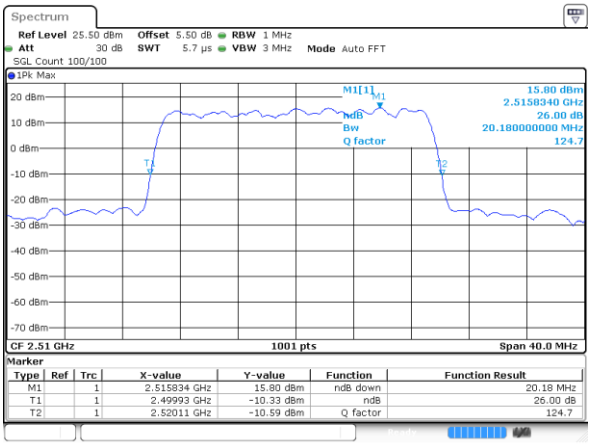


LTE Band 7

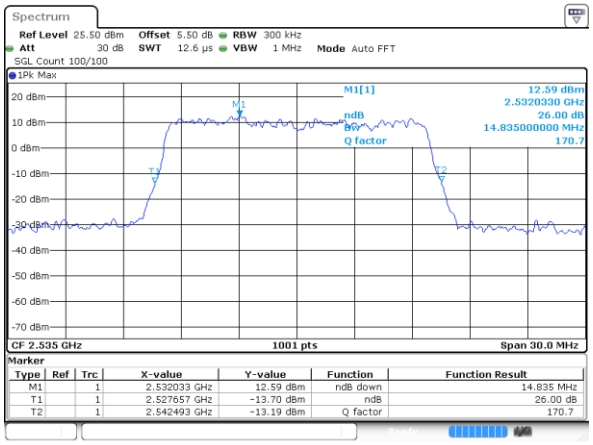
Lowest Channel / 15MHz / 64QAM



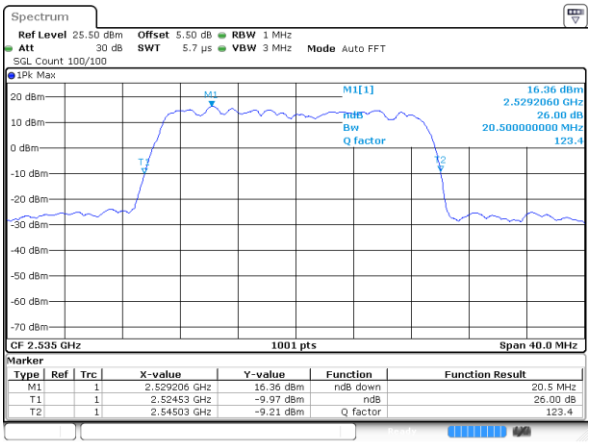
Lowest Channel / 20MHz / 64QAM



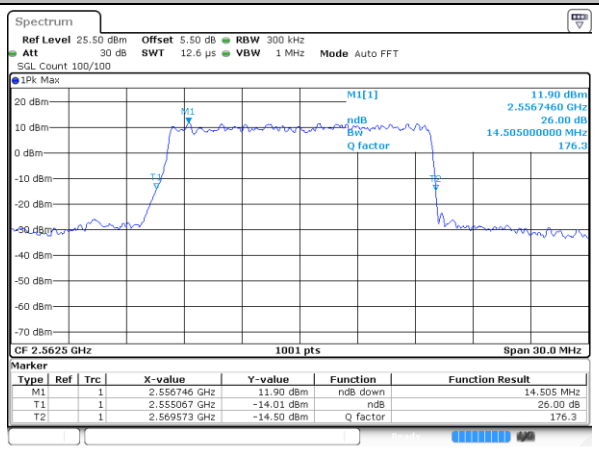
Middle Channel / 15MHz / 64QAM



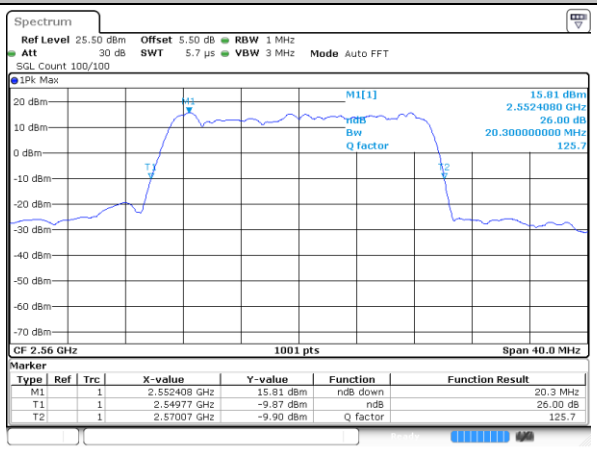
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM



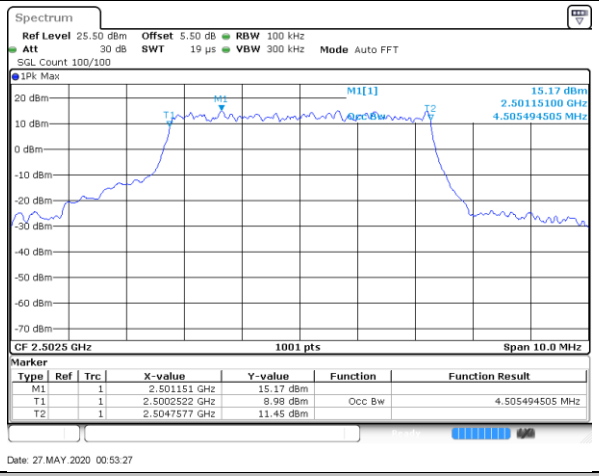
Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	4.51	4.52	9.01	9.05	13.46	13.46	18.34	18.30
Middle CH	4.50	4.50	9.05	9.03	13.40	13.49	18.34	18.34
Highest CH	4.48	4.50	9.01	9.03	13.43	13.43	18.42	18.18

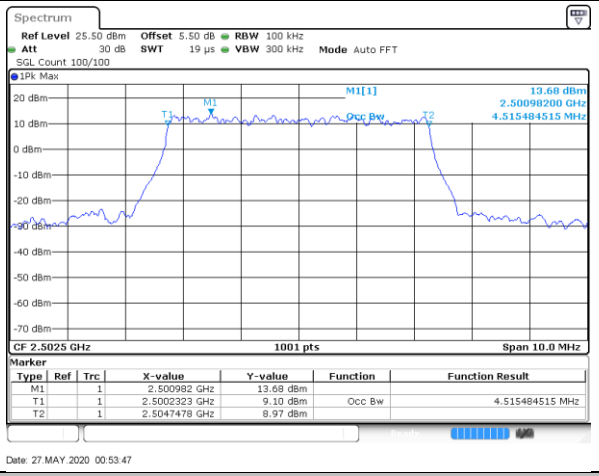
Mode	LTE Band 7 : 99%OBW(MHz)			
BW	5MHz	10MHz	15MHz	20MHz
Mod.	64QAM	64QAM	64QAM	64QAM
Lowest CH	4.51	9.05	13.46	18.42
Middle CH	4.50	9.05	13.49	18.30
Highest CH	4.52	8.99	13.49	18.38

LTE Band 7

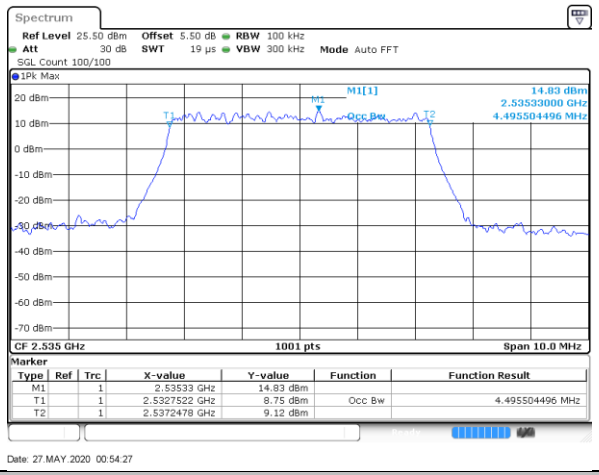
Lowest Channel / 5MHz / QPSK



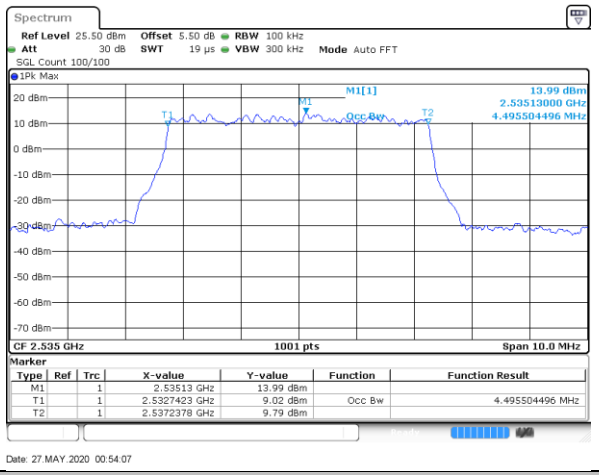
Lowest Channel / 5MHz / 16QAM



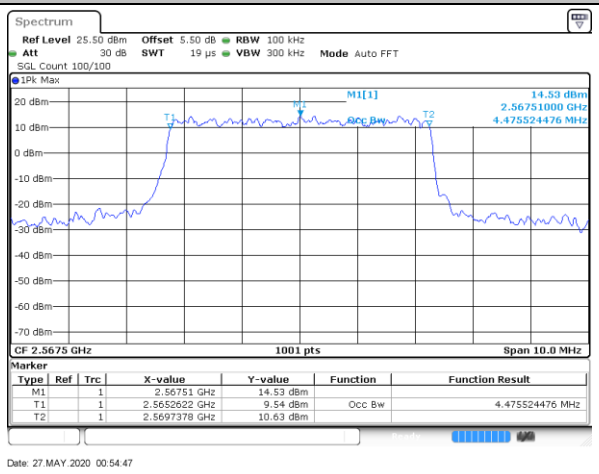
Middle Channel / 5MHz / QPSK



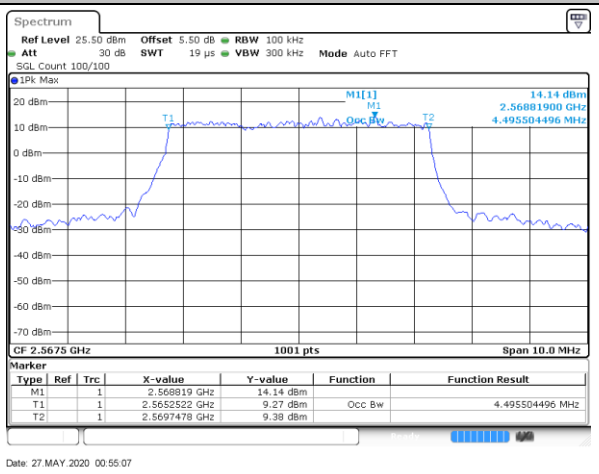
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

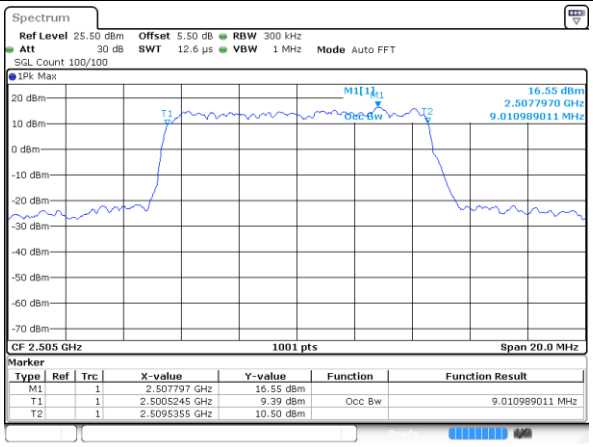


Highest Channel / 5MHz / 16QAM



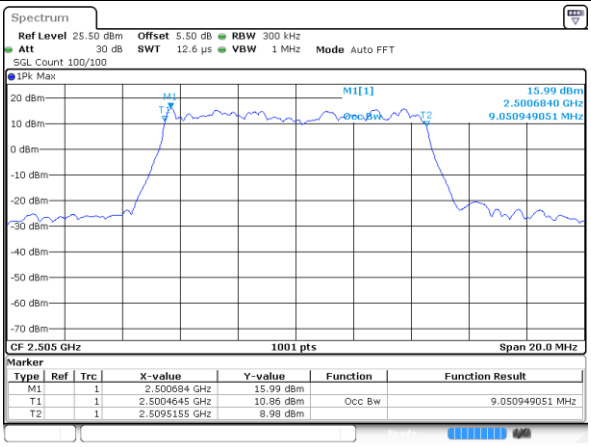
LTE Band 7

Lowest Channel / 10MHz / QPSK



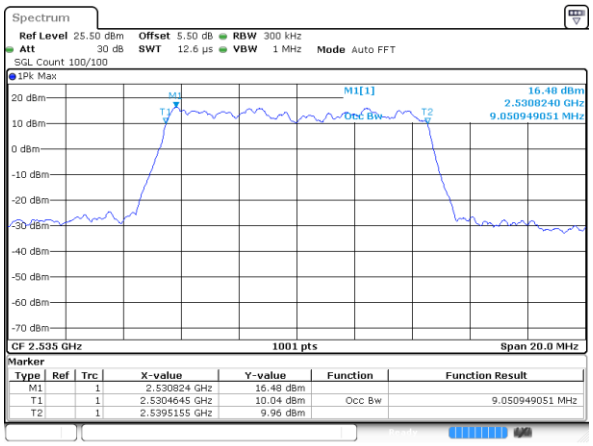
Date: 27.MAY.2020 01:09:57

Lowest Channel / 10MHz / 16QAM



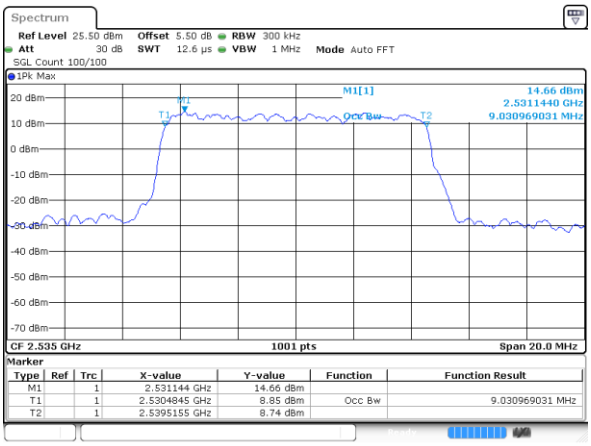
Date: 27.MAY.2020 01:10:17

Middle Channel / 10MHz / QPSK



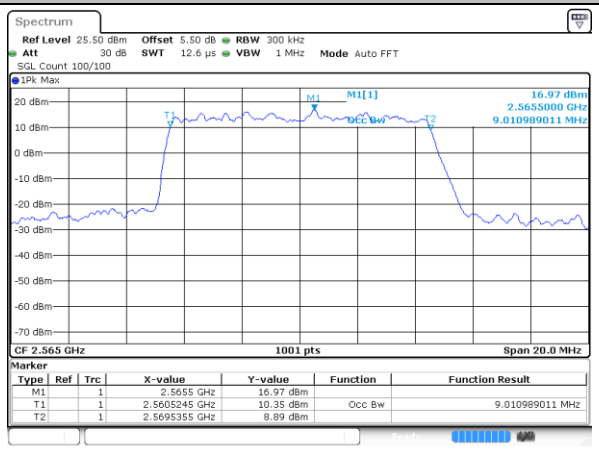
Date: 27.MAY.2020 01:10:57

Middle Channel / 10MHz / 16QAM



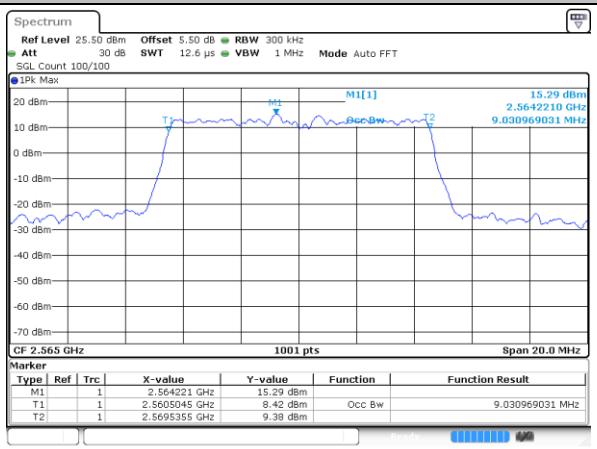
Date: 27.MAY.2020 01:10:37

Highest Channel / 10MHz / QPSK



Date: 27.MAY.2020 01:11:18

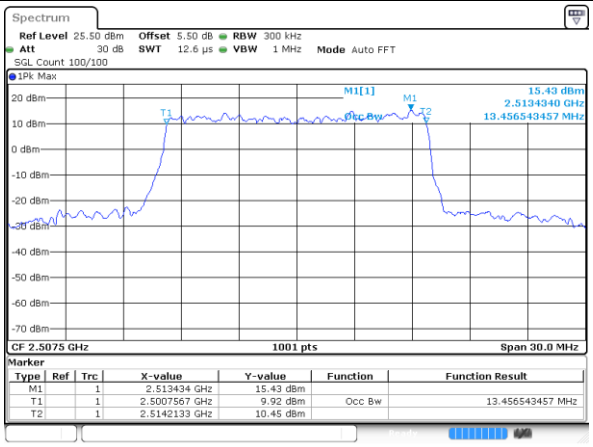
Highest Channel / 10MHz / 16QAM



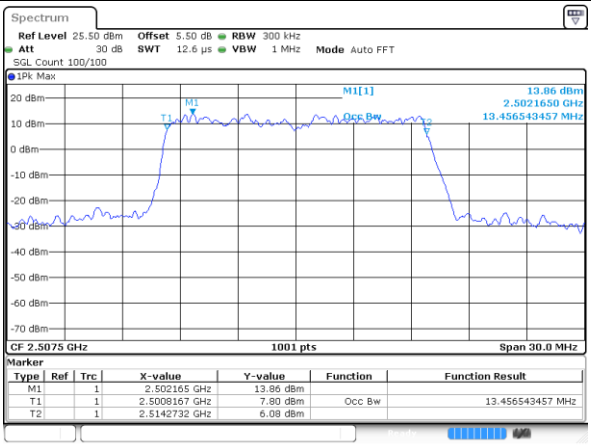
Date: 27.MAY.2020 01:11:38

LTE Band 7

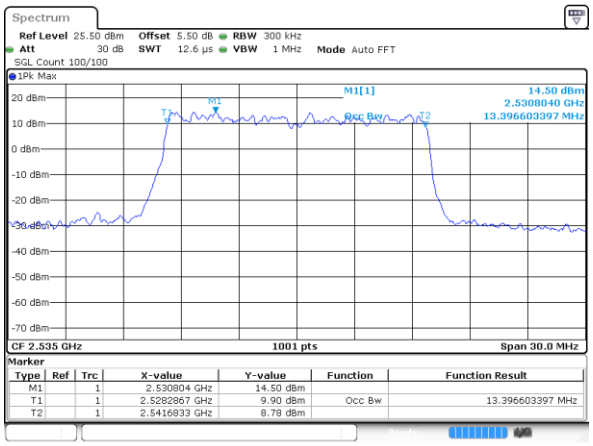
Lowest Channel / 15MHz / QPSK



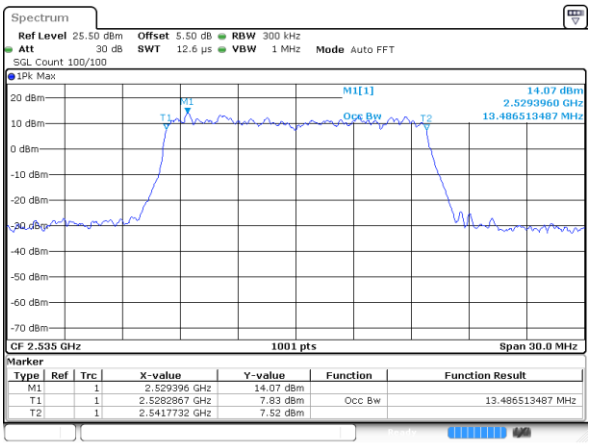
Lowest Channel / 15MHz / 16QAM



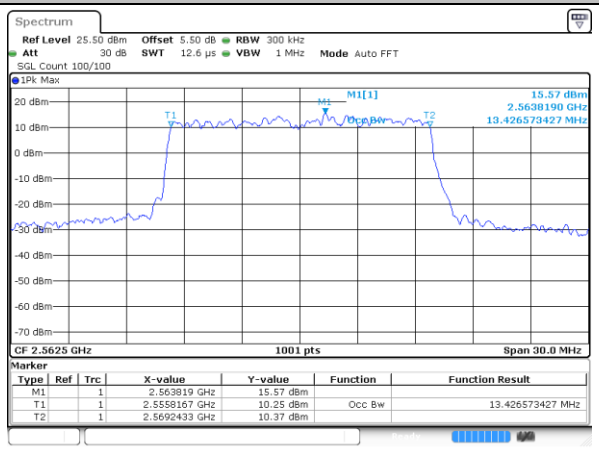
Middle Channel / 15MHz / QPSK



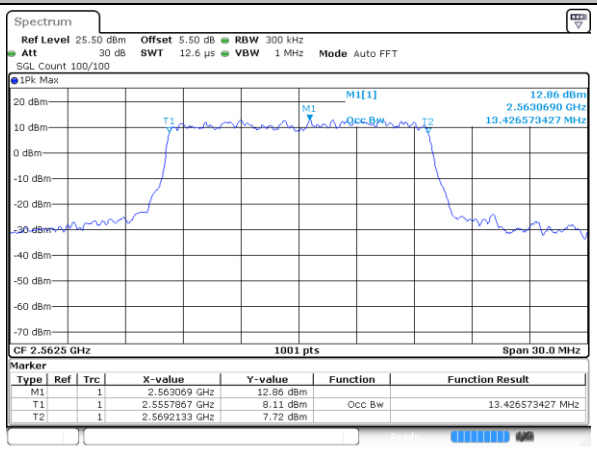
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

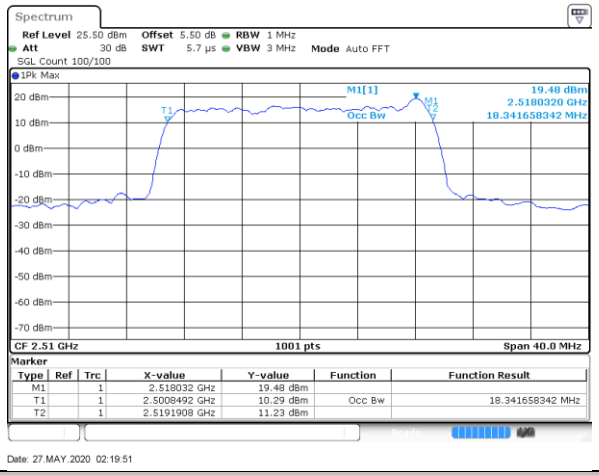


Highest Channel / 15MHz / 16QAM

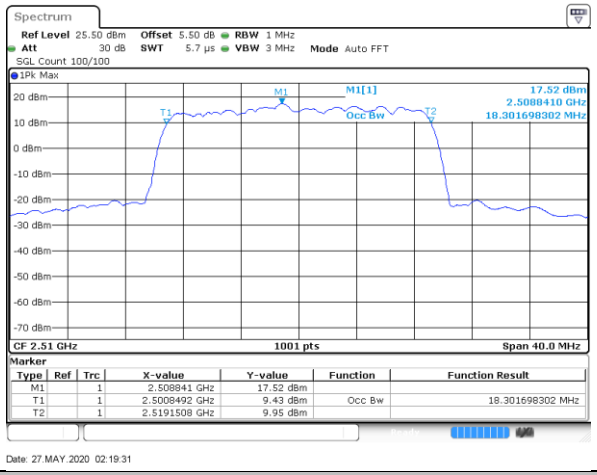


LTE Band 7

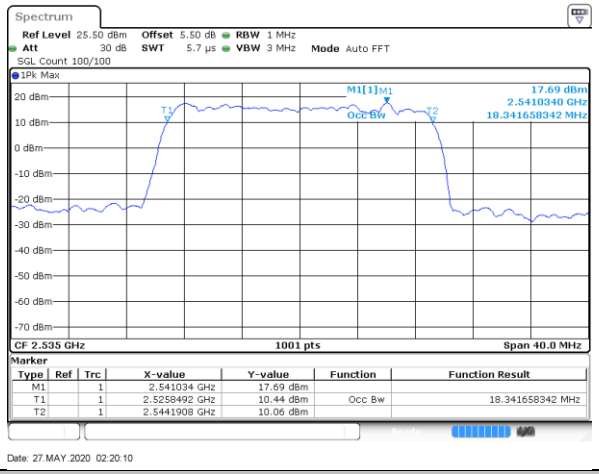
Lowest Channel / 20MHz / QPSK



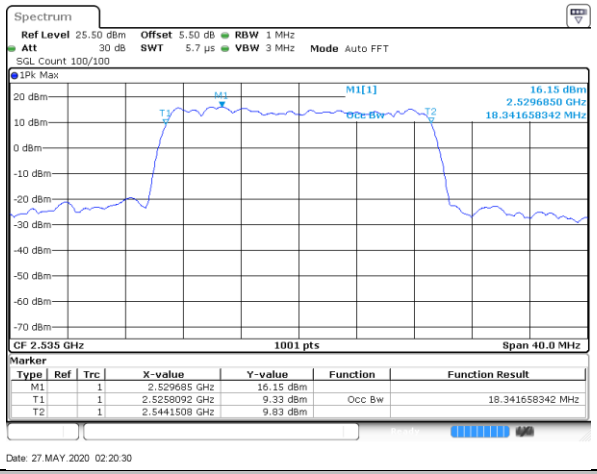
Lowest Channel / 20MHz / 16QAM



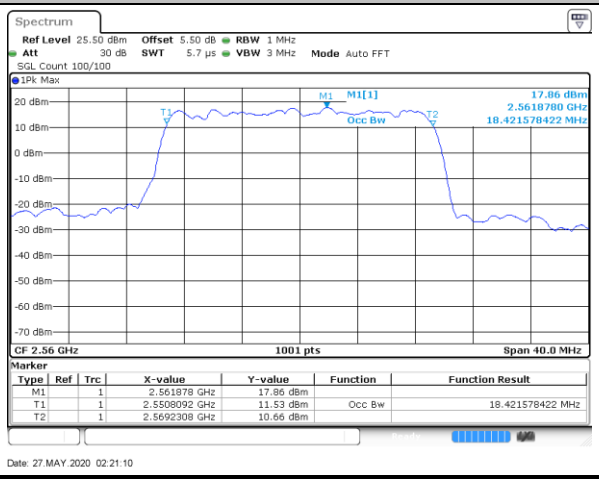
Middle Channel / 20MHz / QPSK



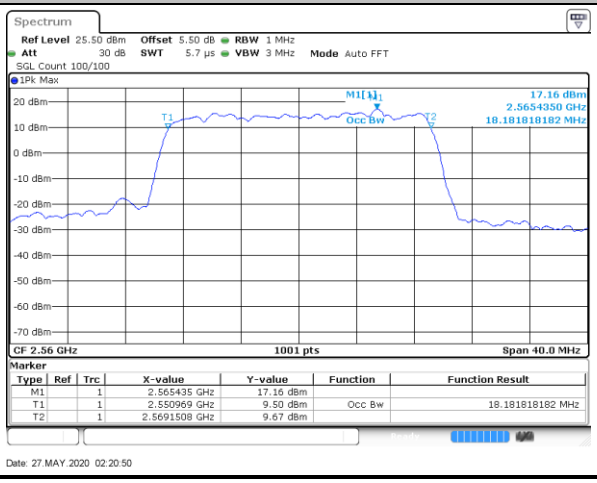
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

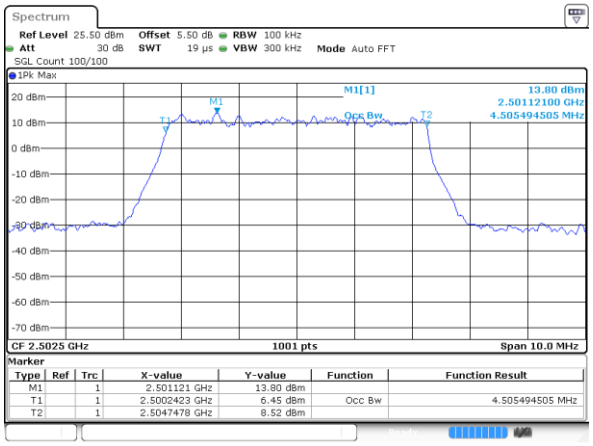


Highest Channel / 20MHz / 16QAM

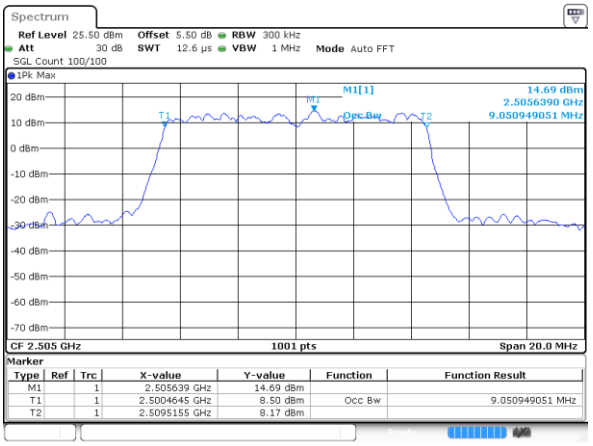


LTE Band 7

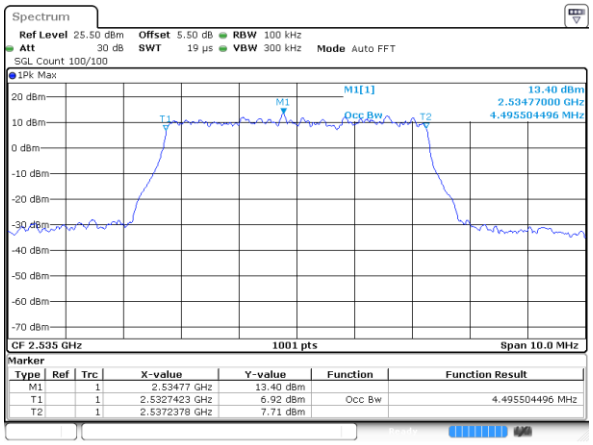
Lowest Channel / 5MHz / 64QAM



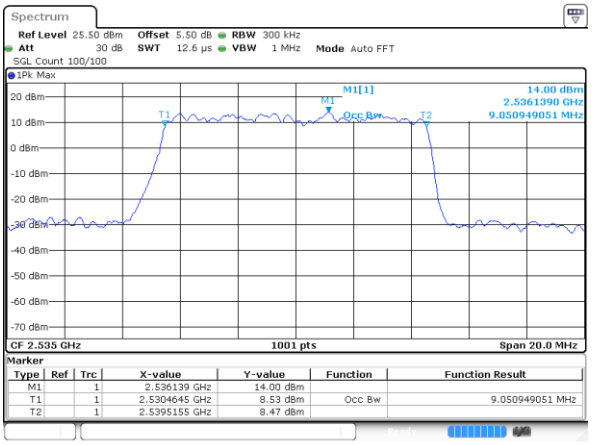
Lowest Channel / 10MHz / 64QAM



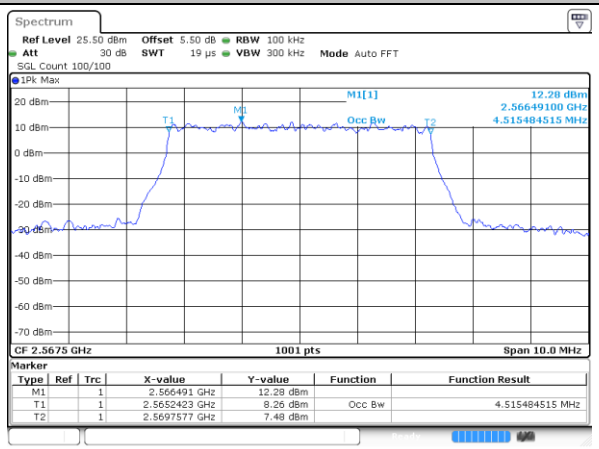
Middle Channel / 5MHz / 64QAM



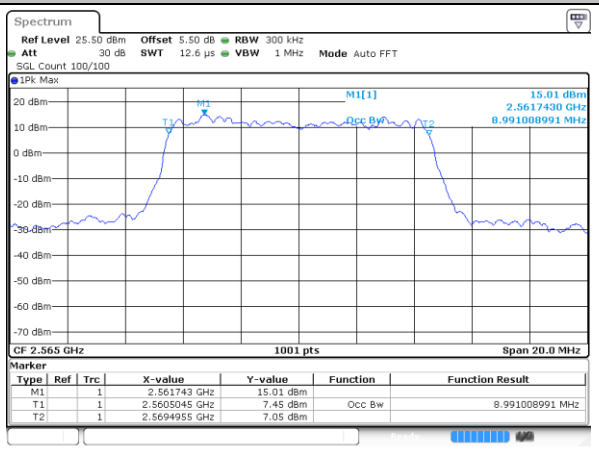
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

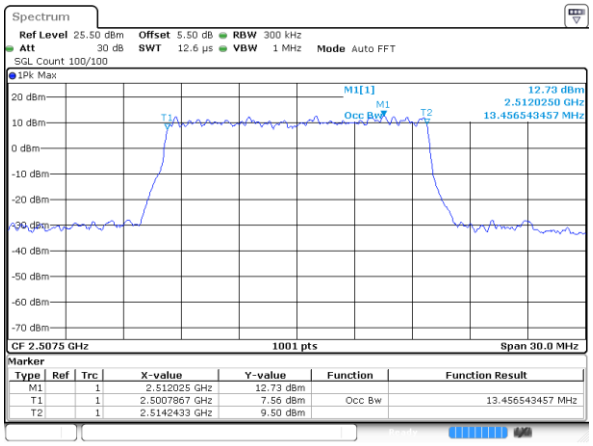


Highest Channel / 10MHz / 64QAM



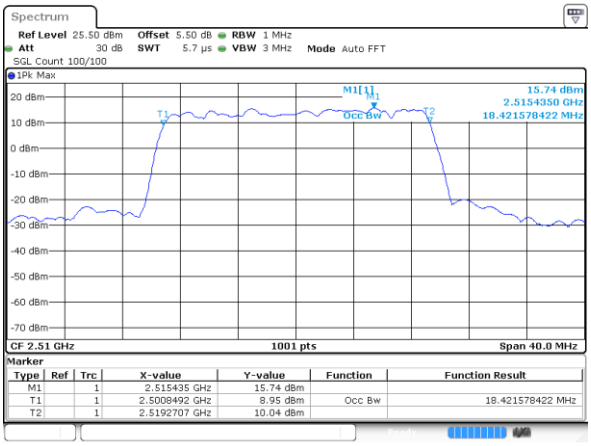
LTE Band 7

Lowest Channel / 15MHz / 64QAM



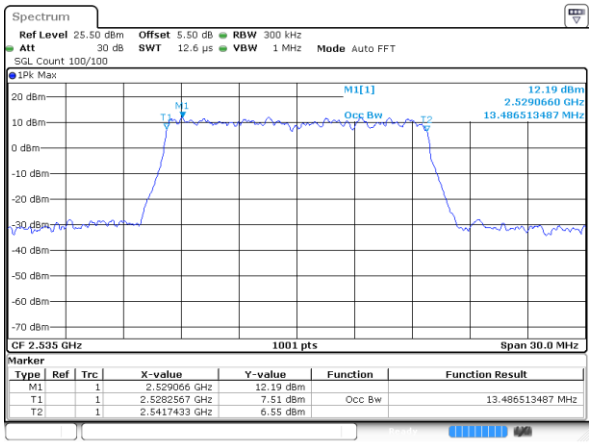
Date: 27.MAY.2020 02:52:25

Lowest Channel / 20MHz / 64QAM



Date: 27.MAY.2020 03:00:39

Middle Channel / 15MHz / 64QAM



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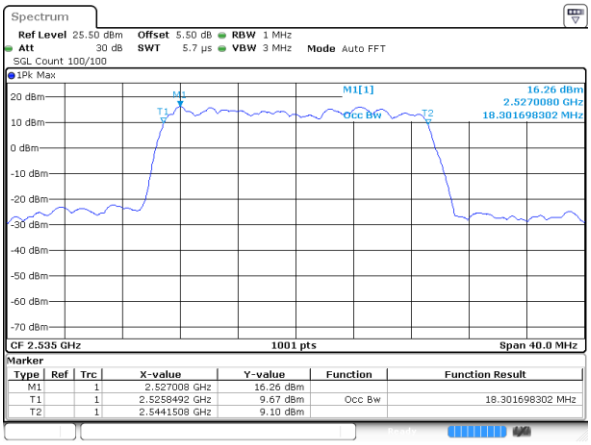
Middle Channel / 20MHz / 64QAM



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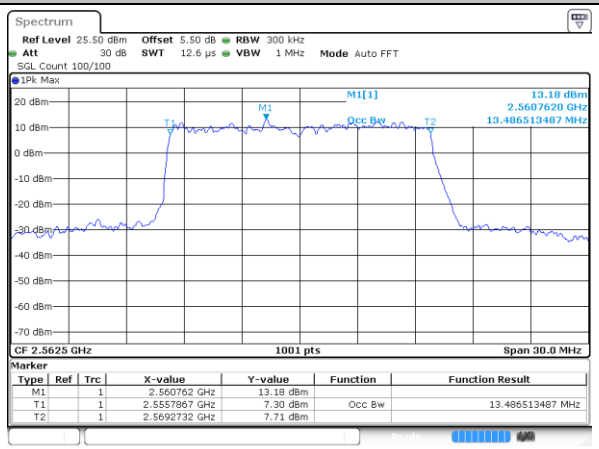
Highest Channel / 15MHz / 64QAM



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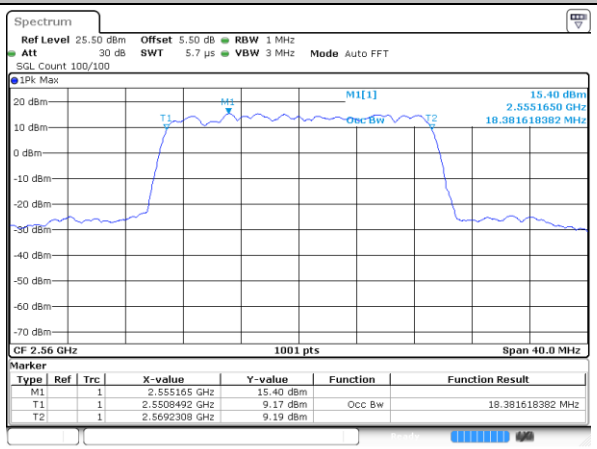
Highest Channel / 20MHz / 64QAM



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