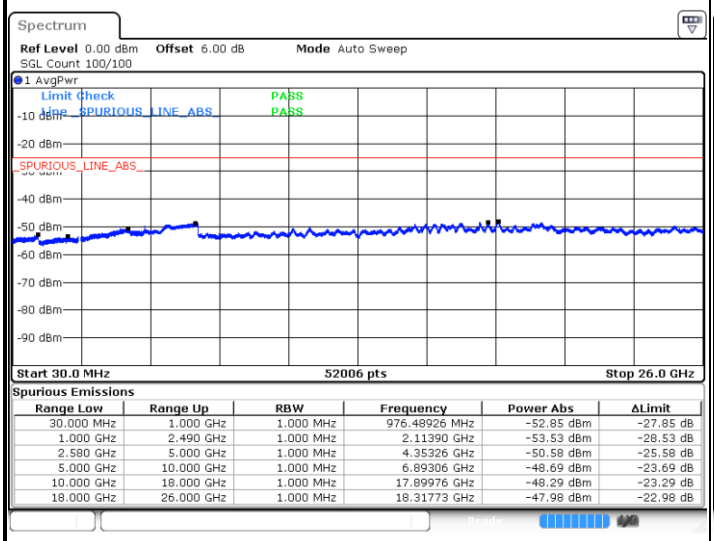
Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

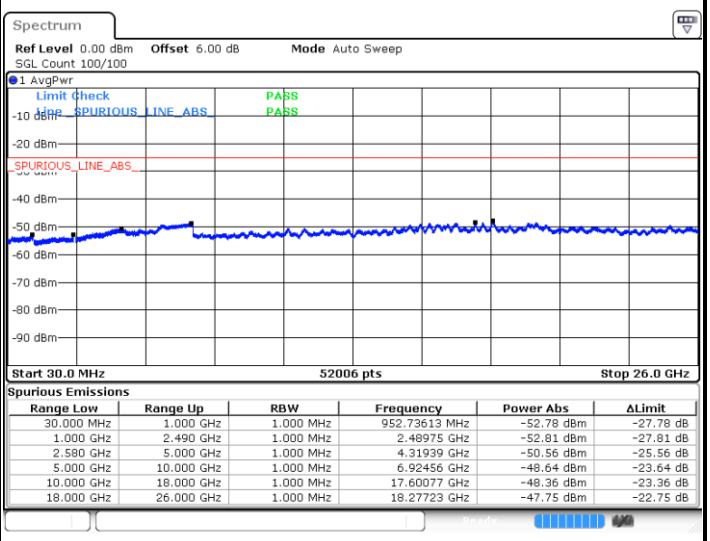


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-52.85 dBm	-27.85 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11390 GHz	-53.53 dBm	-28.53 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.35326 GHz	-50.58 dBm	-25.58 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.89306 GHz	-48.69 dBm	-23.69 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89976 GHz	-48.29 dBm	-23.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.31773 GHz	-47.98 dBm	-22.98 dB

Date: 30.DEC.2019 12:19:21

Lowest Channel / 16QAM

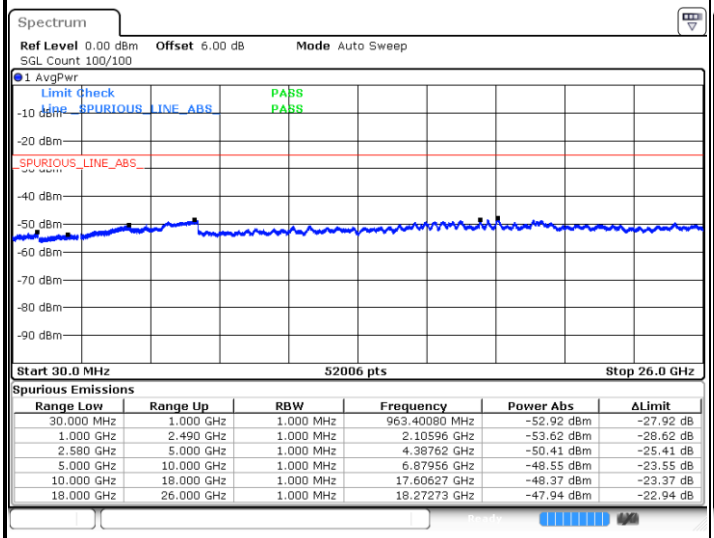


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-52.78 dBm	-27.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-52.81 dBm	-27.81 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31939 GHz	-50.56 dBm	-25.56 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92456 GHz	-48.64 dBm	-23.64 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60077 GHz	-48.36 dBm	-23.36 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27723 GHz	-47.75 dBm	-22.75 dB

Date: 30.DEC.2019 12:20:15

Middle Channel / QPSK

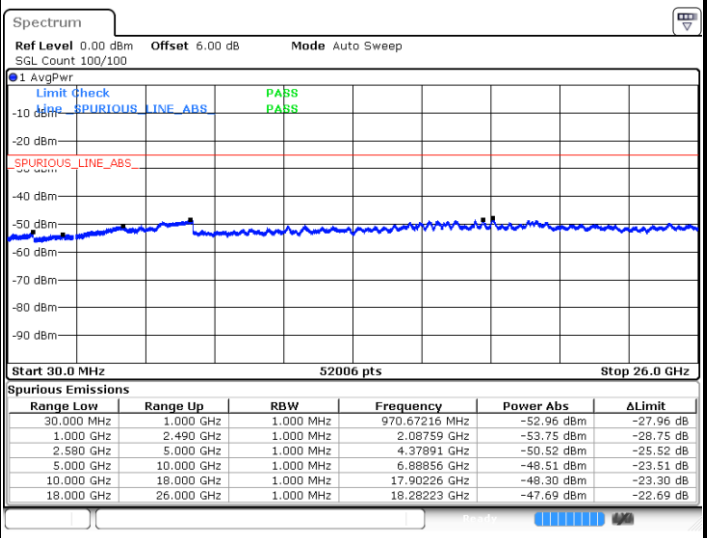


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-52.92 dBm	-27.92 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.10596 GHz	-53.62 dBm	-28.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.38762 GHz	-50.41 dBm	-25.41 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.87956 GHz	-48.55 dBm	-23.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60627 GHz	-48.37 dBm	-23.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27273 GHz	-47.94 dBm	-22.94 dB

Date: 30.DEC.2019 12:04:39

Middle Channel / 16QAM



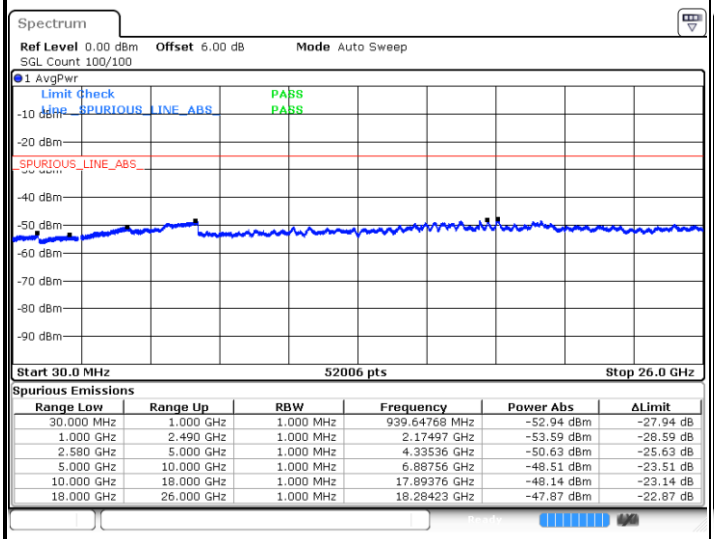
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-52.96 dBm	-27.96 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.08759 GHz	-53.75 dBm	-28.75 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.37891 GHz	-50.52 dBm	-25.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88856 GHz	-48.51 dBm	-23.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90226 GHz	-48.30 dBm	-23.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28223 GHz	-47.69 dBm	-22.69 dB

Date: 30.DEC.2019 12:21:08

LTE Band 7 / 5MHz

Highest Channel / QPSK

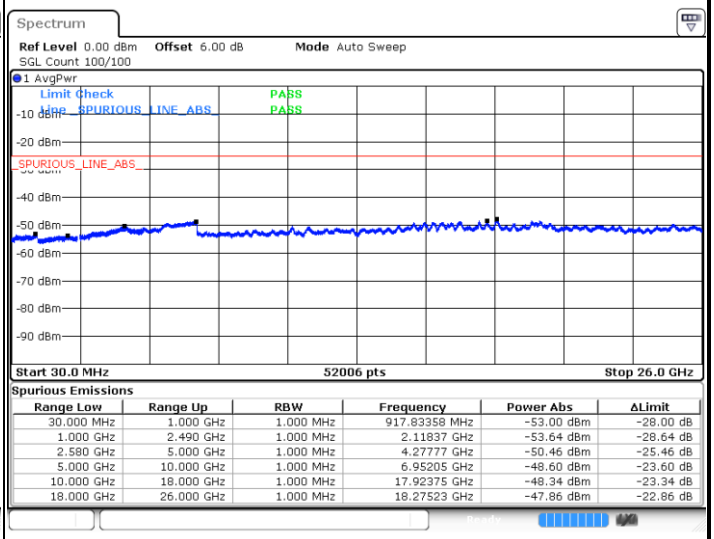


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-52.94 dBm	-27.94 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.17497 GHz	-53.59 dBm	-28.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33536 GHz	-50.63 dBm	-25.63 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88756 GHz	-48.51 dBm	-23.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89376 GHz	-48.14 dBm	-23.14 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28423 GHz	-47.87 dBm	-22.87 dB

Date: 30.DEC.2019 12:22:01

Highest Channel / 16QAM



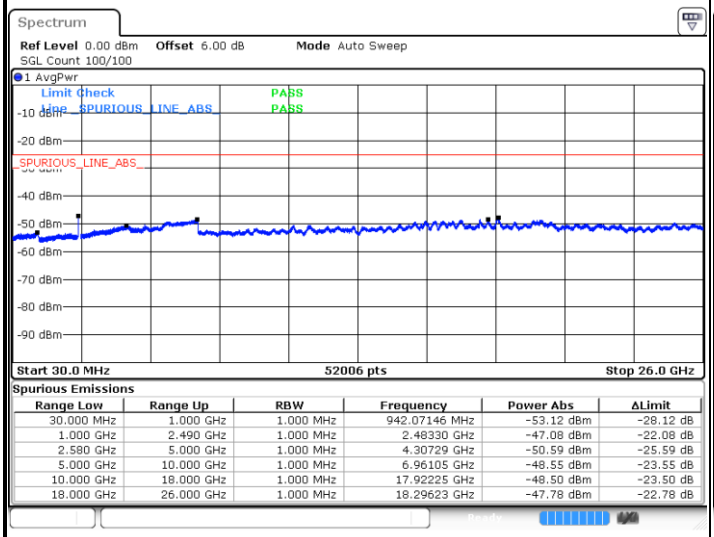
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.83358 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11837 GHz	-53.64 dBm	-28.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.27777 GHz	-50.46 dBm	-25.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95205 GHz	-48.60 dBm	-23.60 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.92375 GHz	-48.34 dBm	-23.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27523 GHz	-47.86 dBm	-22.86 dB

Date: 30.DEC.2019 12:22:54

LTE Band 7 / 10MHz

Lowest Channel / QPSK

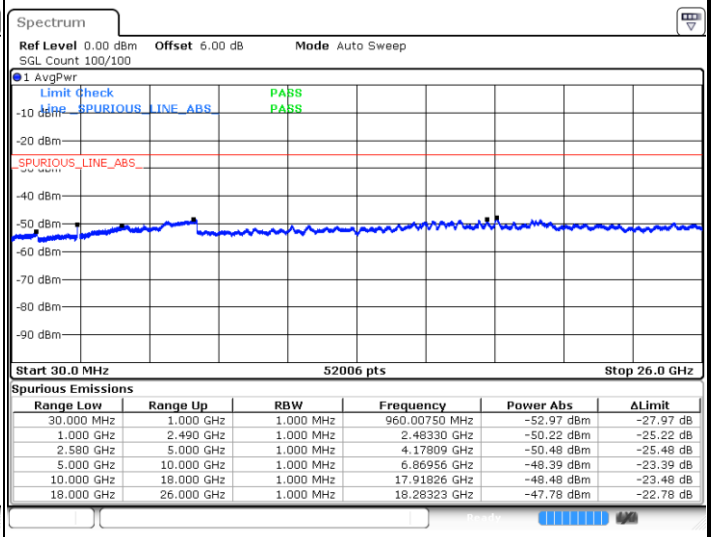


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-53,12 dBm	-28,12 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-47.08 dBm	-22.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30729 GHz	-50.59 dBm	-25.59 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96105 GHz	-48.55 dBm	-23.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.92225 GHz	-48.50 dBm	-23.50 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29623 GHz	-47.78 dBm	-22.78 dB

Date: 30.DEC.2019 12:34:58

Lowest Channel / 16QAM



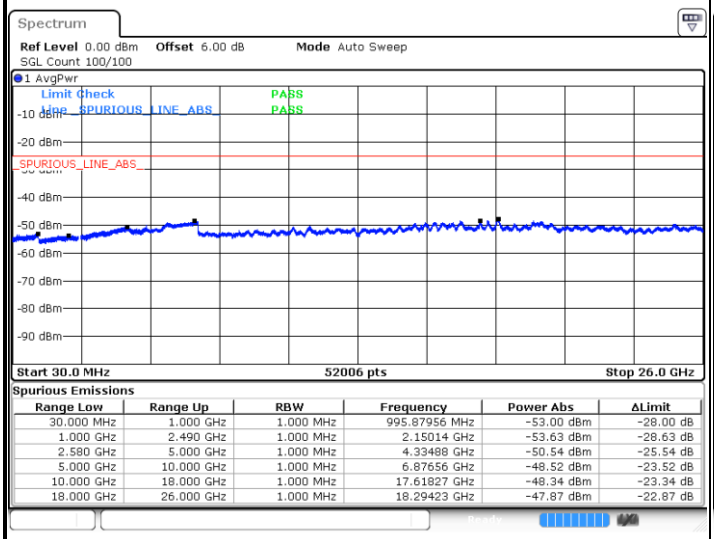
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-52.97 dBm	-27.97 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-50.22 dBm	-25.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.17809 GHz	-50.48 dBm	-25.48 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.86956 GHz	-48.39 dBm	-23.39 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.91826 GHz	-48.48 dBm	-23.48 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28323 GHz	-47.78 dBm	-22.78 dB

Date: 30.DEC.2019 12:35:52

LTE Band 7 / 10MHz

Middle Channel / QPSK

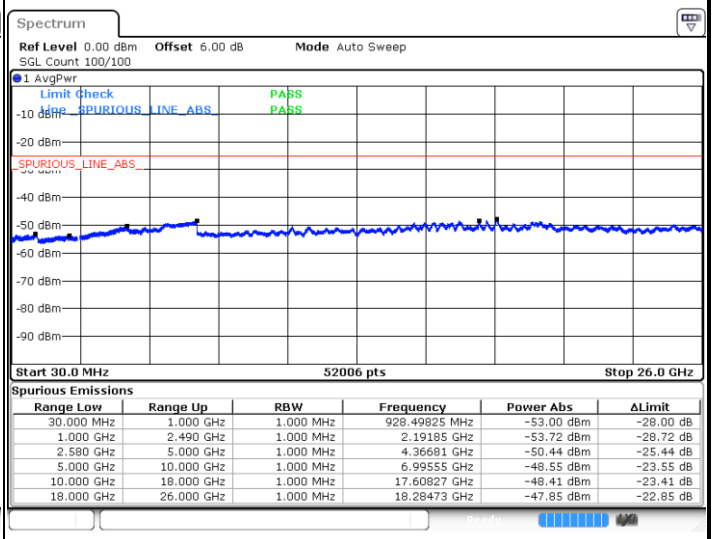


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15014 GHz	-53.63 dBm	-28.63 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33488 GHz	-50.54 dBm	-25.54 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.87656 GHz	-48.52 dBm	-23.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.61827 GHz	-48.34 dBm	-23.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29423 GHz	-47.87 dBm	-22.87 dB

Date: 30.DEC.2019 12:37:38

Middle Channel / 16QAM

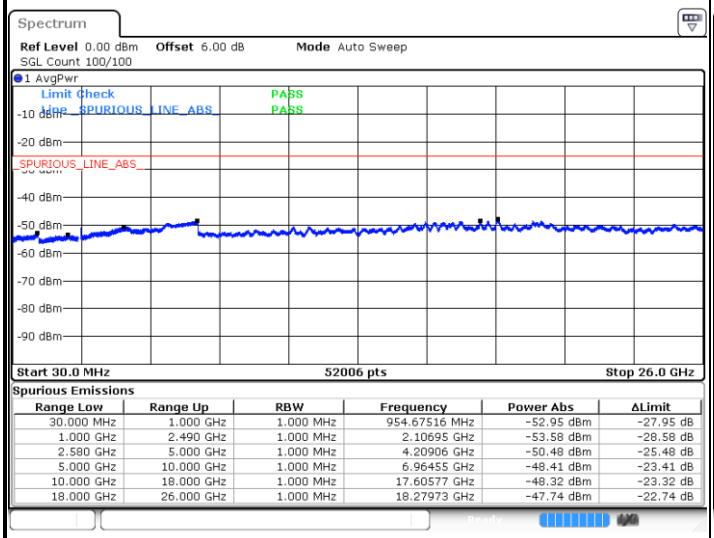


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.49825 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.19185 GHz	-53.72 dBm	-28.72 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.36681 GHz	-50.44 dBm	-25.44 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99555 GHz	-48.55 dBm	-23.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60827 GHz	-48.41 dBm	-23.41 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28473 GHz	-47.85 dBm	-22.85 dB

Date: 30.DEC.2019 12:36:45

Highest Channel / QPSK

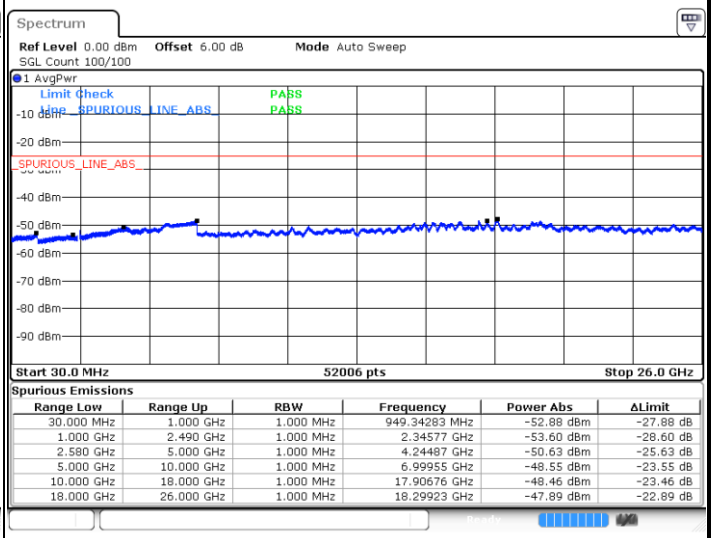


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-52.95 dBm	-27.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.10695 GHz	-53.58 dBm	-28.58 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20906 GHz	-50.48 dBm	-25.48 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96455 GHz	-48.41 dBm	-23.41 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60577 GHz	-48.32 dBm	-23.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27973 GHz	-47.74 dBm	-22.74 dB

Date: 30.DEC.2019 12:38:31

Highest Channel / 16QAM



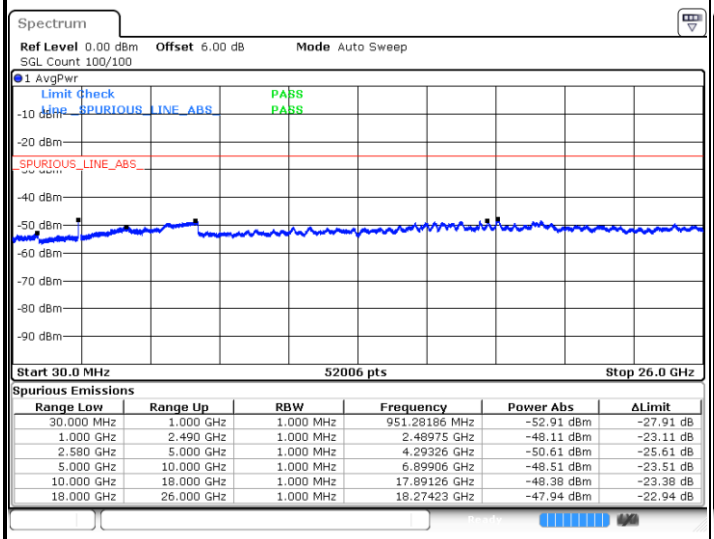
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-52.88 dBm	-27.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.34577 GHz	-53.60 dBm	-28.60 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.24487 GHz	-50.63 dBm	-25.63 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99955 GHz	-48.55 dBm	-23.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90676 GHz	-48.46 dBm	-23.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29923 GHz	-47.89 dBm	-22.89 dB

Date: 30.DEC.2019 12:39:24

LTE Band 7 / 15MHz

Lowest Channel / QPSK

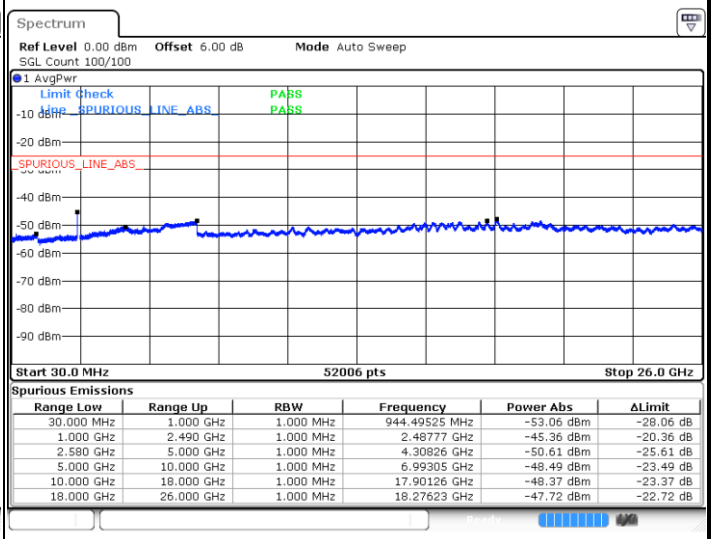


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.28186 MHz	-52.91 dBm	-27.91 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-48.11 dBm	-23.11 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29326 GHz	-50.61 dBm	-25.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.89906 GHz	-48.51 dBm	-23.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89126 GHz	-48.38 dBm	-23.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27423 GHz	-47.94 dBm	-22.94 dB

Date: 30.DEC.2019 12:51:29

Lowest Channel / 16QAM

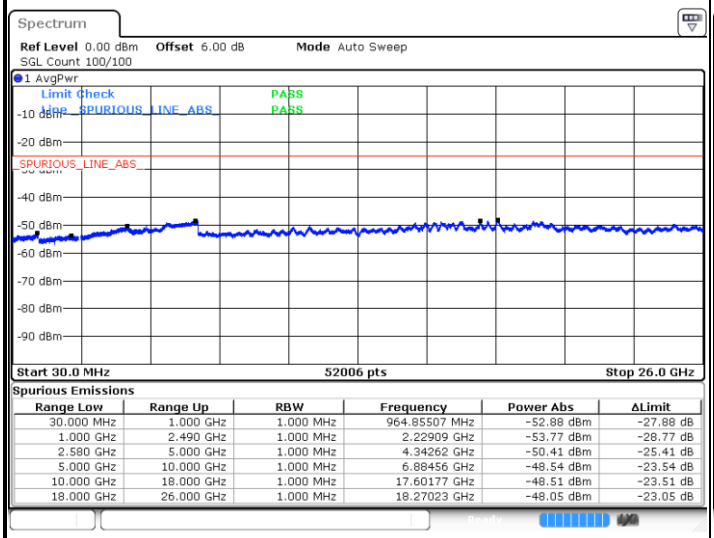


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-53.06 dBm	-28.06 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-45.36 dBm	-20.36 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30826 GHz	-50.61 dBm	-25.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99305 GHz	-48.49 dBm	-23.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90126 GHz	-48.37 dBm	-23.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27623 GHz	-47.72 dBm	-22.72 dB

Date: 30.DEC.2019 12:52:22

Middle Channel / QPSK

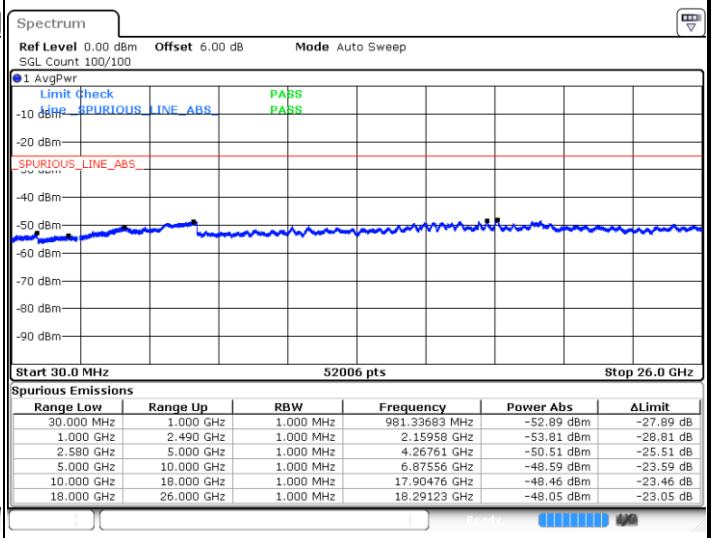


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-52.88 dBm	-27.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.22909 GHz	-53.77 dBm	-28.77 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.34262 GHz	-50.41 dBm	-25.41 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88456 GHz	-48.54 dBm	-23.54 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60177 GHz	-48.51 dBm	-23.51 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27023 GHz	-48.05 dBm	-23.05 dB

Date: 30.DEC.2019 13:53:08

Middle Channel / 16QAM



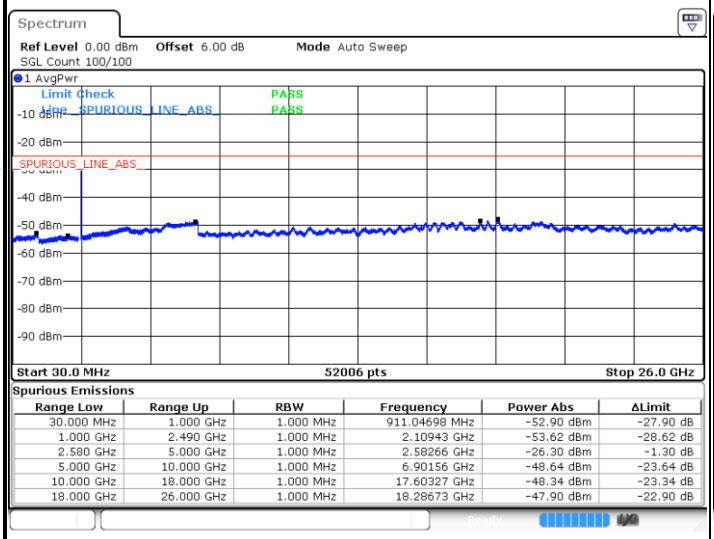
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-52.89 dBm	-27.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15958 GHz	-53.81 dBm	-28.81 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.26761 GHz	-50.51 dBm	-25.51 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.87556 GHz	-48.59 dBm	-23.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90476 GHz	-48.46 dBm	-23.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29123 GHz	-48.05 dBm	-23.05 dB

Date: 30.DEC.2019 12:53:15

LTE Band7 / 15MHz

Highest Channel / QPSK

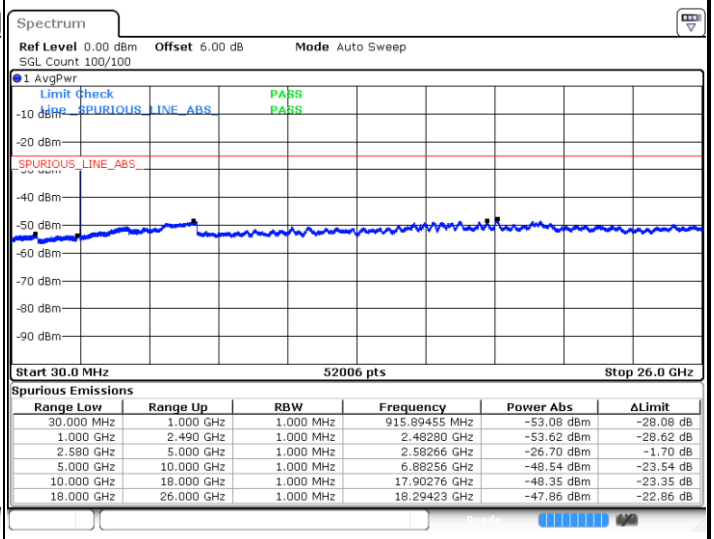


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.04698 MHz	-52.90 dBm	-27.90 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.10943 GHz	-53.62 dBm	-28.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-26.30 dBm	-1.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.90156 GHz	-48.64 dBm	-23.64 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60327 GHz	-48.34 dBm	-23.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28673 GHz	-47.90 dBm	-22.90 dB

Date: 30.DEC.2019 13:54:06

Highest Channel / 16QAM



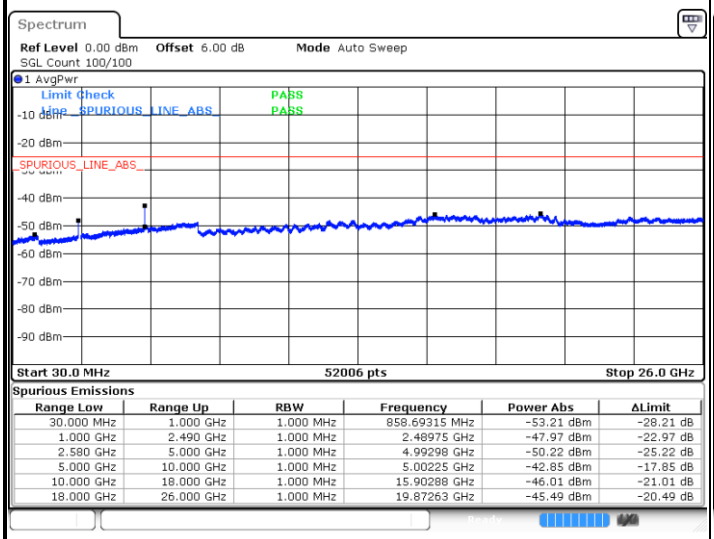
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-53.08 dBm	-28.08 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-53.62 dBm	-28.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-26.70 dBm	-1.70 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88256 GHz	-48.54 dBm	-23.54 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90276 GHz	-48.35 dBm	-23.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29423 GHz	-47.86 dBm	-22.86 dB

Date: 30.DEC.2019 13:55:07

LTE Band 7 / 20MHz

Lowest Channel / QPSK

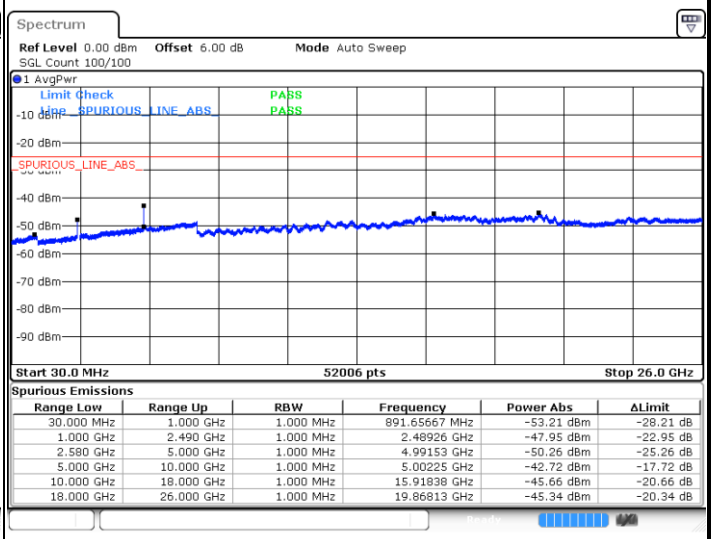


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	858.69315 MHz	-53.21 dBm	-28.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-47.97 dBm	-22.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99298 GHz	-50.22 dBm	-25.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-42.85 dBm	-17.85 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90288 GHz	-46.01 dBm	-21.01 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87263 GHz	-45.49 dBm	-20.49 dB

Date: 30.DEC.2019 14:41:38

Lowest Channel / 16QAM



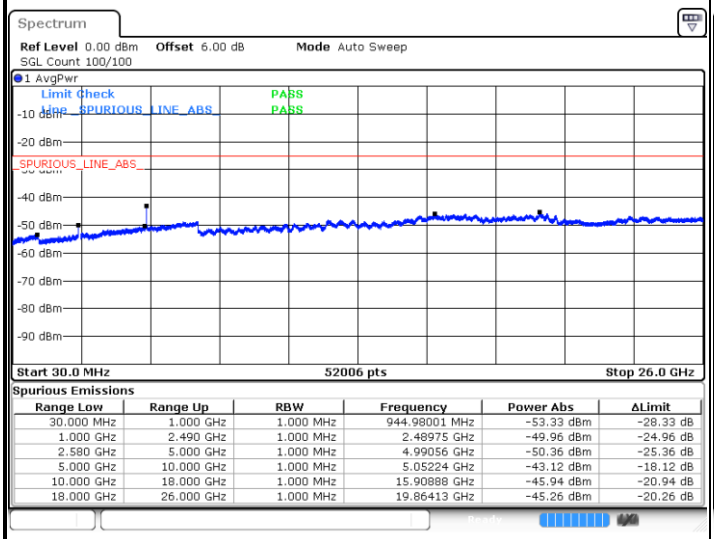
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	891.65667 MHz	-53.21 dBm	-28.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-47.95 dBm	-22.95 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99153 GHz	-50.26 dBm	-25.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-42.72 dBm	-17.72 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91838 GHz	-45.66 dBm	-20.66 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86813 GHz	-45.34 dBm	-20.34 dB

Date: 30.DEC.2019 14:42:32

LTE Band 7 / 20MHz

Middle Channel / QPSK

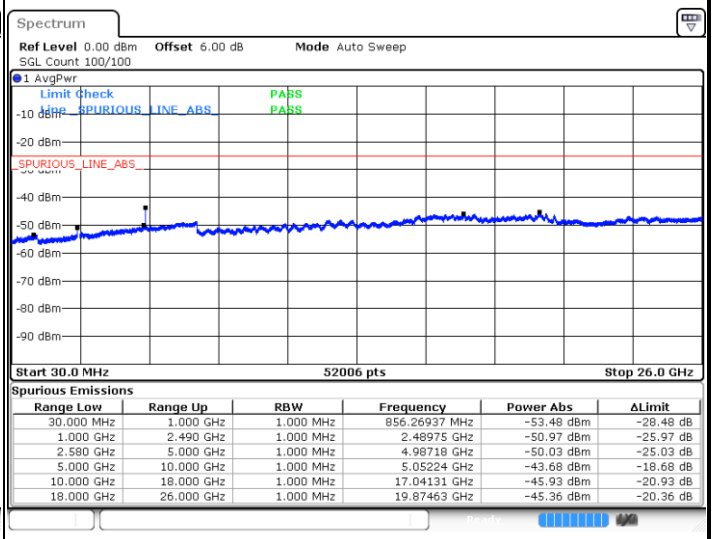


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.98001 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-49.96 dBm	-24.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99056 GHz	-50.36 dBm	-25.36 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-43.12 dBm	-18.12 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90888 GHz	-45.94 dBm	-20.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86413 GHz	-45.26 dBm	-20.26 dB

Date: 30.DEC.2019 14:44:20

Middle Channel / 16QAM

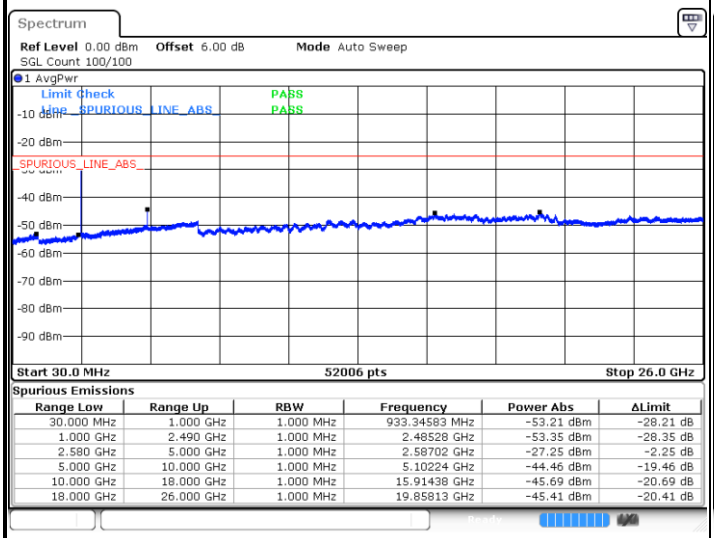


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.26937 MHz	-53.48 dBm	-28.48 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-50.97 dBm	-25.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98718 GHz	-50.03 dBm	-25.03 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-43.68 dBm	-18.68 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04131 GHz	-45.93 dBm	-20.93 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87463 GHz	-45.36 dBm	-20.36 dB

Date: 30.DEC.2019 14:43:26

Highest Channel / QPSK

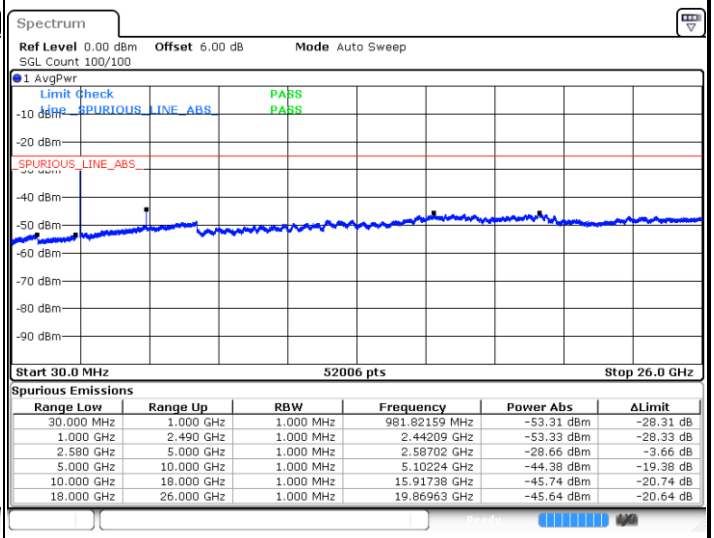


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.34583 MHz	-53.21 dBm	-28.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48528 GHz	-53.35 dBm	-28.35 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-27.25 dBm	-2.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-44.46 dBm	-19.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91438 GHz	-45.69 dBm	-20.69 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85813 GHz	-45.41 dBm	-20.41 dB

Date: 30.DEC.2019 14:45:14

Highest Channel / 16QAM



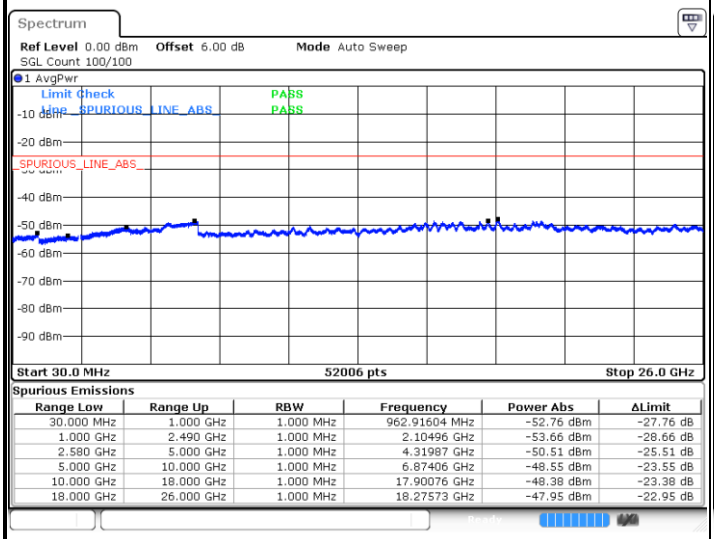
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-53.31 dBm	-28.31 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44209 GHz	-53.33 dBm	-28.33 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-28.66 dBm	-3.66 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-44.38 dBm	-19.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91738 GHz	-45.74 dBm	-20.74 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86963 GHz	-45.64 dBm	-20.64 dB

Date: 30.DEC.2019 14:46:08

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

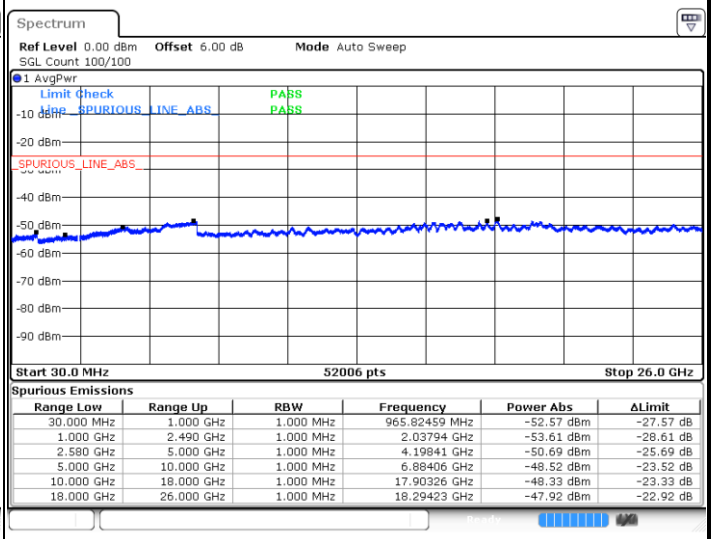


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-52.76 dBm	-27.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.10496 GHz	-53.66 dBm	-28.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31987 GHz	-50.51 dBm	-25.51 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.87406 GHz	-48.55 dBm	-23.55 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90076 GHz	-48.38 dBm	-23.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27573 GHz	-47.95 dBm	-22.95 dB

Date: 30.DEC.2019 13:58:24

Middle Channel / 64QAM

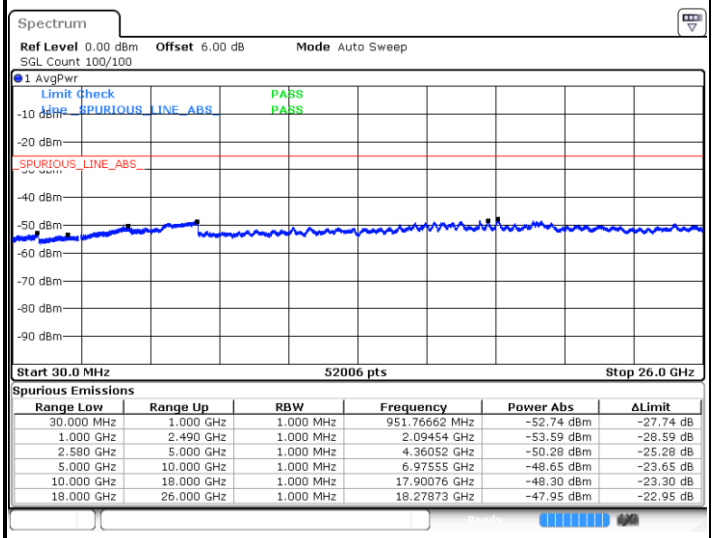


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-52.57 dBm	-27.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.03794 GHz	-53.61 dBm	-28.61 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19841 GHz	-50.69 dBm	-25.69 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88406 GHz	-48.52 dBm	-23.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90326 GHz	-48.33 dBm	-23.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29423 GHz	-47.92 dBm	-22.92 dB

Date: 30.DEC.2019 13:59:17

Highest Channel / 64QAM



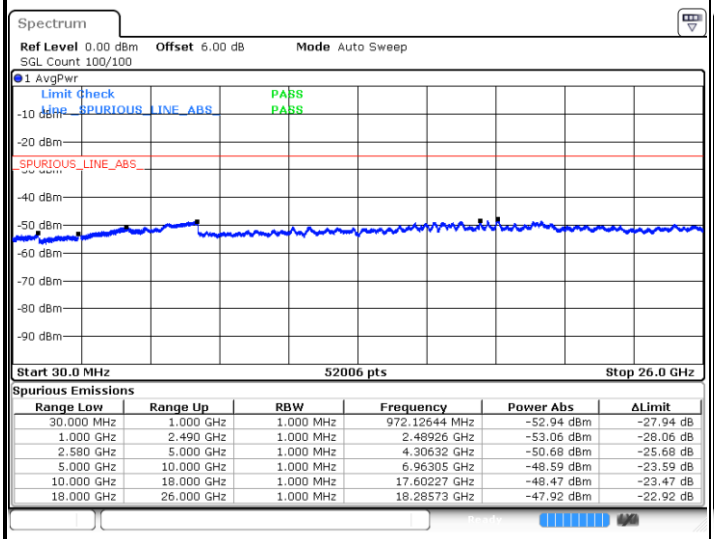
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-52.74 dBm	-27.74 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.09454 GHz	-53.59 dBm	-28.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.36052 GHz	-50.28 dBm	-25.28 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97555 GHz	-48.65 dBm	-23.65 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90076 GHz	-48.30 dBm	-23.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.27873 GHz	-47.95 dBm	-22.95 dB

Date: 30.DEC.2019 14:00:10

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

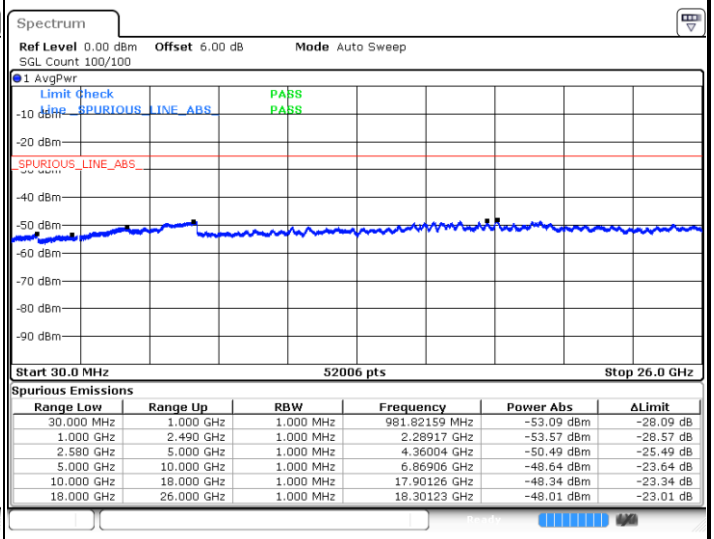


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-52.94 dBm	-27.94 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-53.06 dBm	-28.06 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30632 GHz	-50.68 dBm	-25.68 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96305 GHz	-48.59 dBm	-23.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60227 GHz	-48.47 dBm	-23.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28573 GHz	-47.92 dBm	-22.92 dB

Date: 30.DEC.2019 14:04:22

Middle Channel / 64QAM

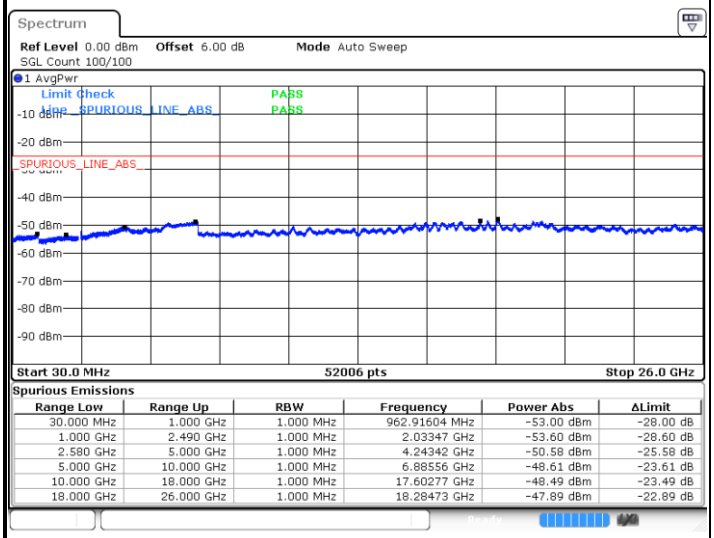


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-53.09 dBm	-28.09 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.28917 GHz	-53.57 dBm	-28.57 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.36004 GHz	-50.49 dBm	-25.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.86906 GHz	-48.64 dBm	-23.64 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90126 GHz	-48.34 dBm	-23.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.30123 GHz	-48.01 dBm	-23.01 dB

Date: 30.DEC.2019 14:05:15

Highest Channel / 64QAM



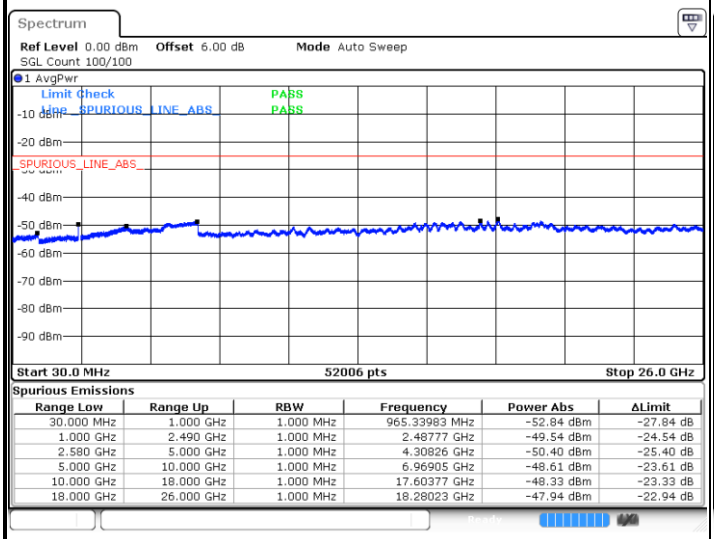
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-53.00 dBm	-28.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.03347 GHz	-53.60 dBm	-28.60 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.24342 GHz	-50.58 dBm	-25.58 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88556 GHz	-48.61 dBm	-23.61 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60277 GHz	-48.49 dBm	-23.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28473 GHz	-47.89 dBm	-22.89 dB

Date: 30.DEC.2019 14:06:08

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

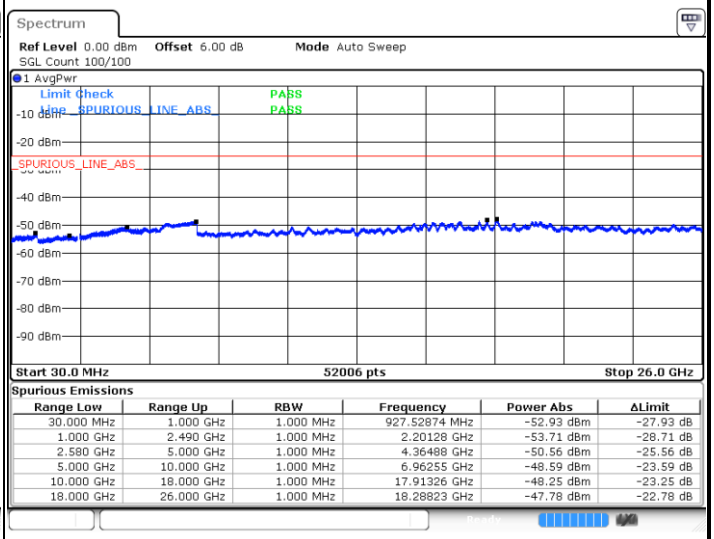


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-52.84 dBm	-27.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-49.54 dBm	-24.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30826 GHz	-50.40 dBm	-25.40 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96905 GHz	-48.61 dBm	-23.61 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60377 GHz	-48.33 dBm	-23.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28023 GHz	-47.94 dBm	-22.94 dB

Date: 30.DEC.2019 14:12:38

Middle Channel / 64QAM

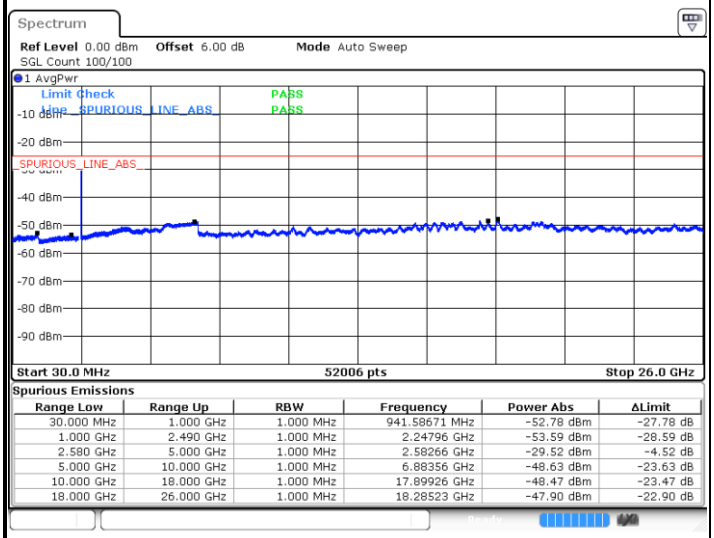


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.52874 MHz	-52.93 dBm	-27.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.20128 GHz	-53.71 dBm	-28.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.36488 GHz	-50.56 dBm	-25.56 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96255 GHz	-48.59 dBm	-23.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.91326 GHz	-48.25 dBm	-23.25 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28823 GHz	-47.78 dBm	-22.78 dB

Date: 30.DEC.2019 14:13:31

Highest Channel / 64QAM



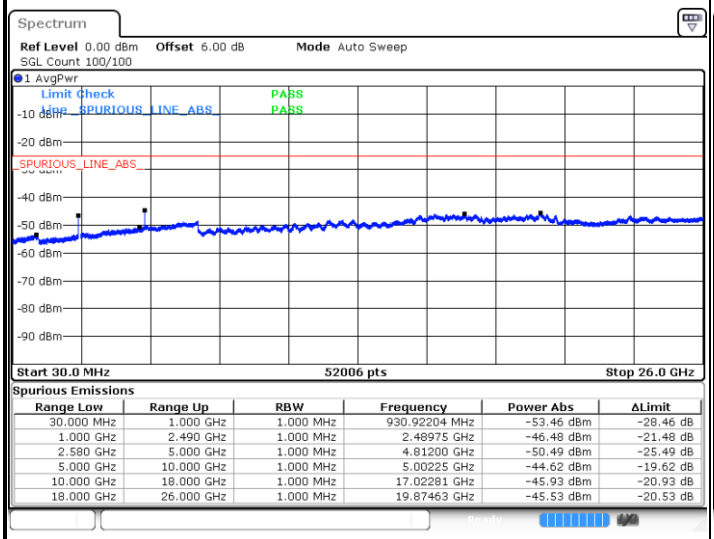
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.58671 MHz	-52.78 dBm	-27.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.24796 GHz	-53.59 dBm	-28.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-29.52 dBm	-4.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88356 GHz	-48.63 dBm	-23.63 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89926 GHz	-48.47 dBm	-23.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28523 GHz	-47.90 dBm	-22.90 dB

Date: 30.DEC.2019 14:14:24

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

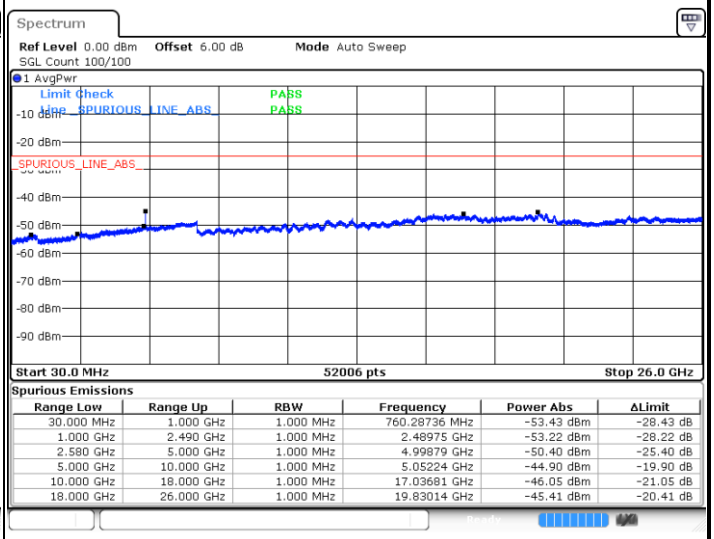


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-53.46 dBm	-28.46 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.48 dBm	-21.48 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81200 GHz	-50.49 dBm	-25.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-44.62 dBm	-19.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.02281 GHz	-45.93 dBm	-20.93 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87463 GHz	-45.53 dBm	-20.53 dB

Date: 30.DEC.2019 14:53:40

Middle Channel / 64QAM

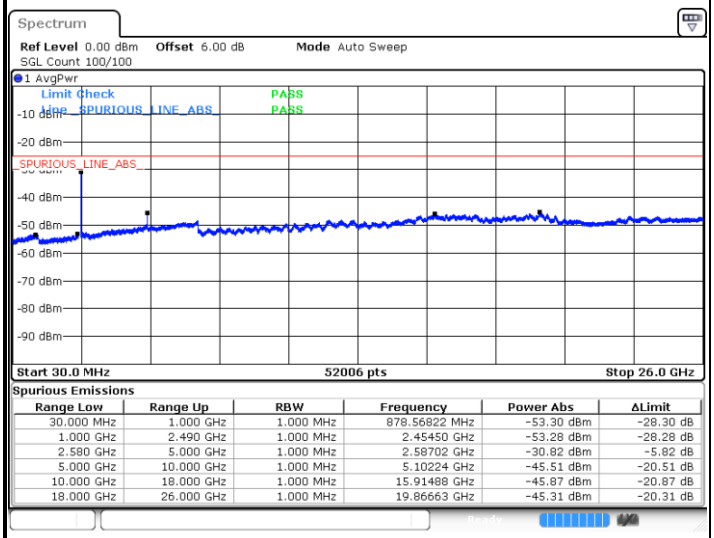


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	760.28736 MHz	-53.43 dBm	-28.43 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-53.22 dBm	-28.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99879 GHz	-50.40 dBm	-25.40 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-44.90 dBm	-19.90 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03681 GHz	-46.05 dBm	-21.05 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.83014 GHz	-45.41 dBm	-20.41 dB

Date: 30.DEC.2019 14:54:34

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-53.30 dBm	-28.30 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45450 GHz	-53.28 dBm	-28.28 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-30.82 dBm	-5.82 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-45.51 dBm	-20.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91488 GHz	-45.87 dBm	-20.87 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86663 GHz	-45.31 dBm	-20.31 dB

Date: 30.DEC.2019 14:55:28

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0027	

Note:

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

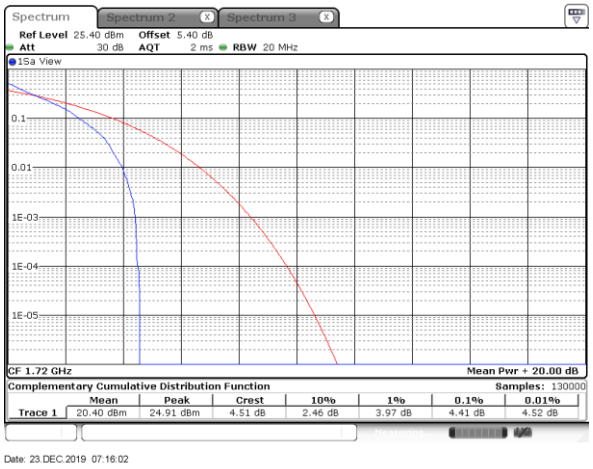
LTE Band 66

Peak-to-Average Ratio

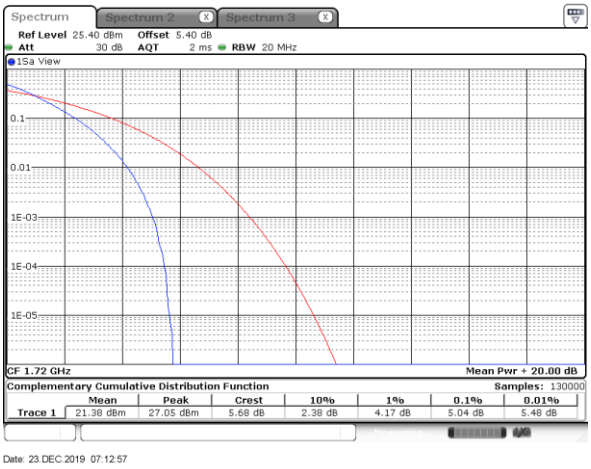
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.41	5.04	5.45	5.86	PASS
Middle CH	5.42	5.33	6.70	6.09	
Highest CH	4.96	5.13	6.09	6.14	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	5.28	5.94	-	-	PASS
Middle CH	6.46	6.14	-	-	
Highest CH	5.74	6.12	-	-	

LTE Band 66 / 20MHz / QPSK

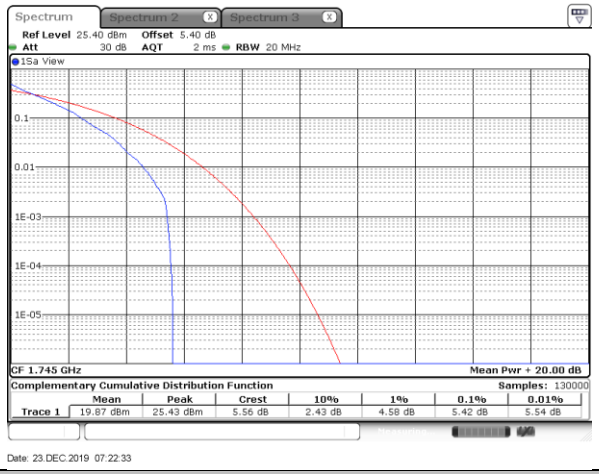
Lowest Channel / 1RB



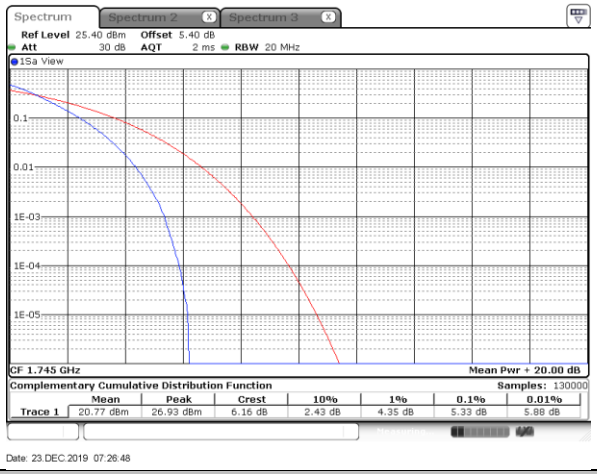
Lowest Channel / Full RB



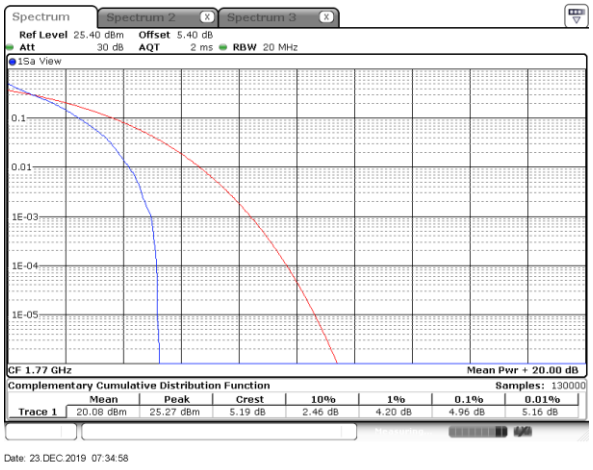
Middle Channel / 1RB



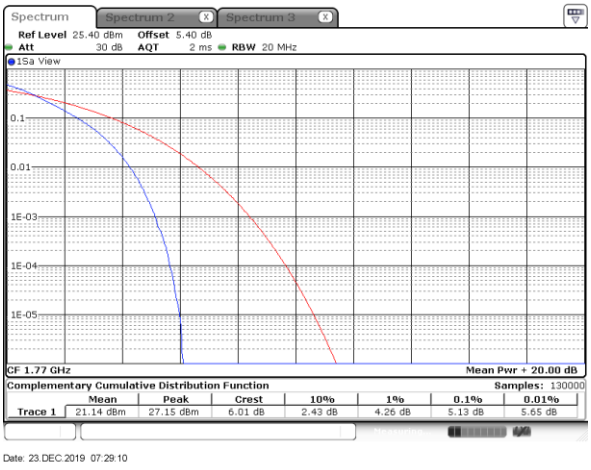
Middle Channel / Full RB



Highest Channel / 1RB

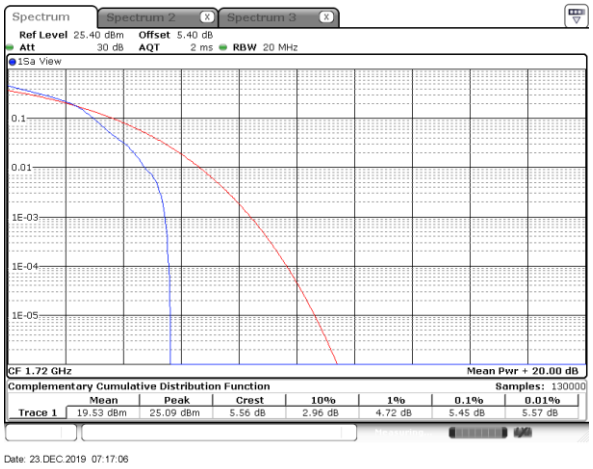


Highest Channel / Full RB

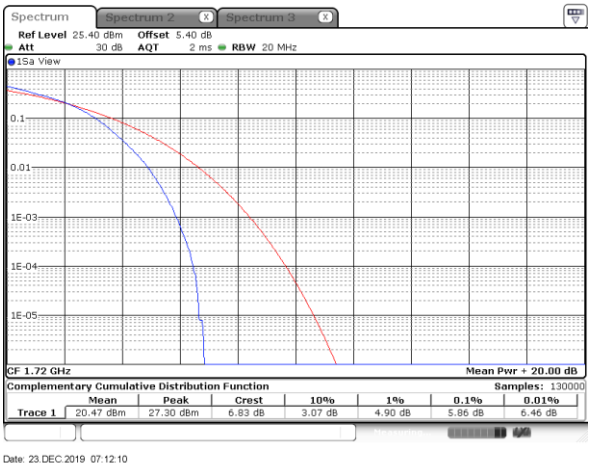


LTE Band 66 / 20MHz / 16QAM

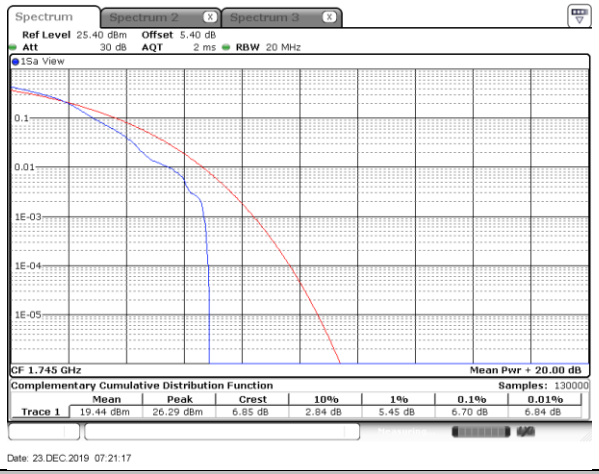
Lowest Channel / 1RB



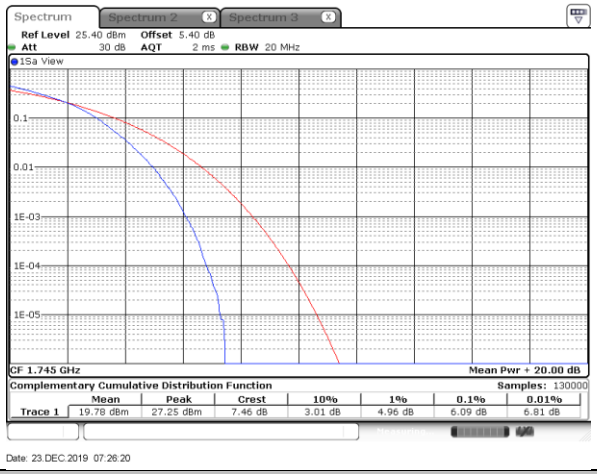
Lowest Channel / Full RB



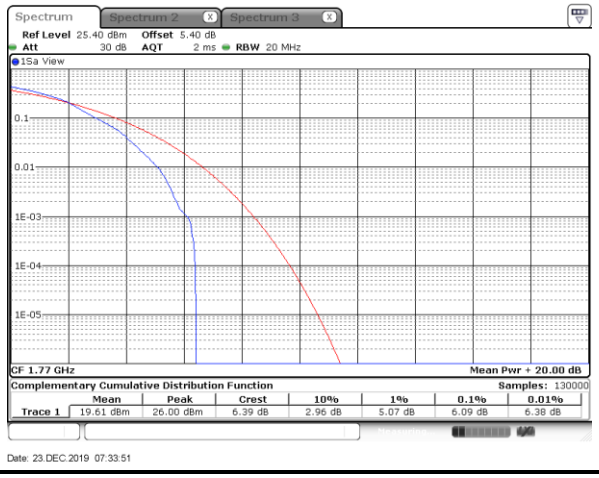
Middle Channel / 1RB



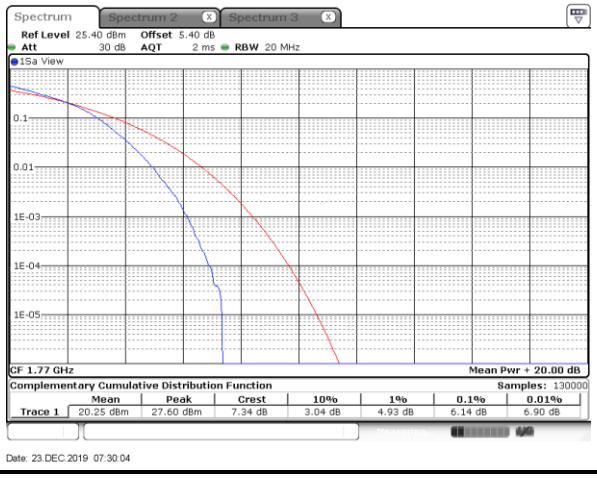
Middle Channel / Full RB



Highest Channel / 1RB

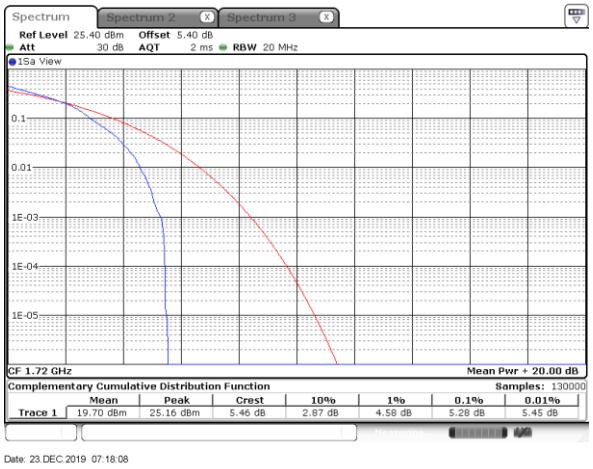


Highest Channel / Full RB

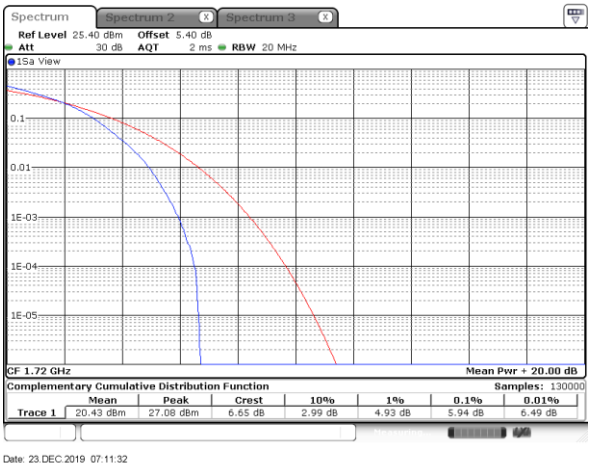


LTE Band 66 / 20MHz / 64QAM

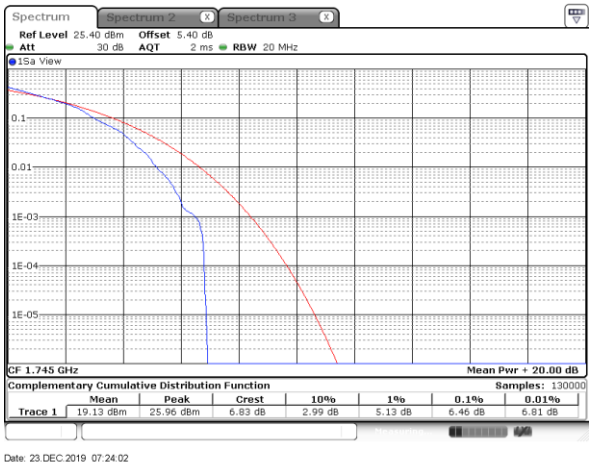
Lowest Channel / 1RB



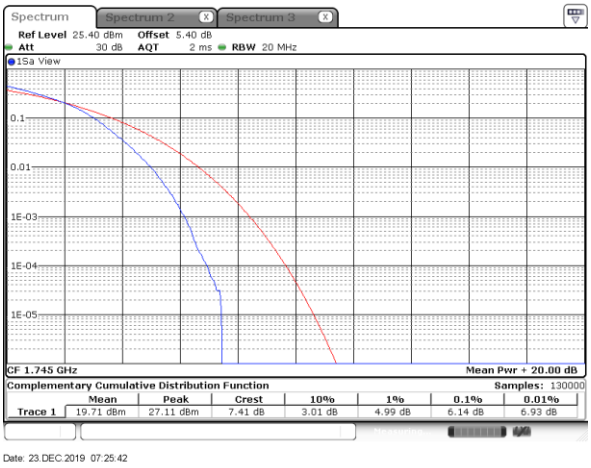
Lowest Channel / Full RB



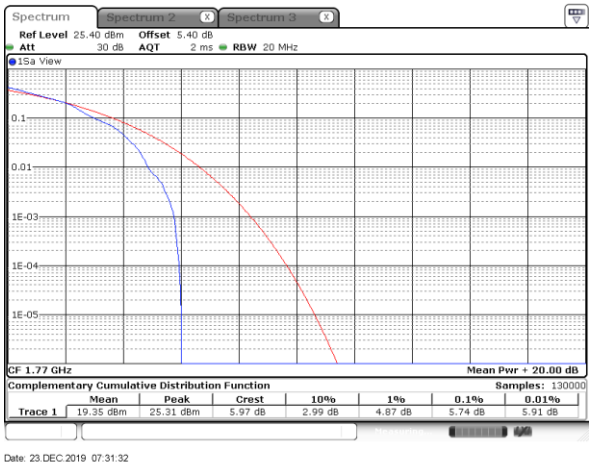
Middle Channel / 1RB



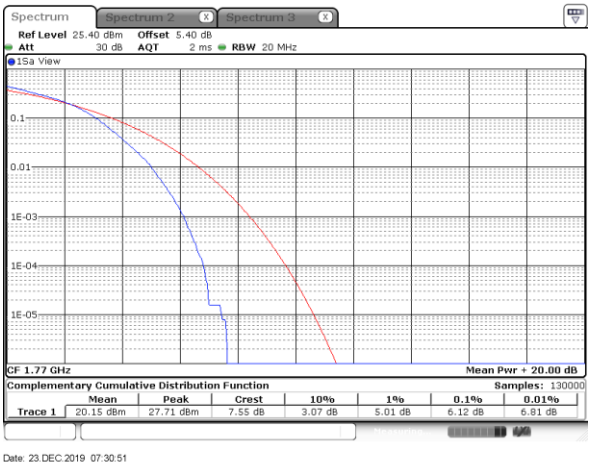
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

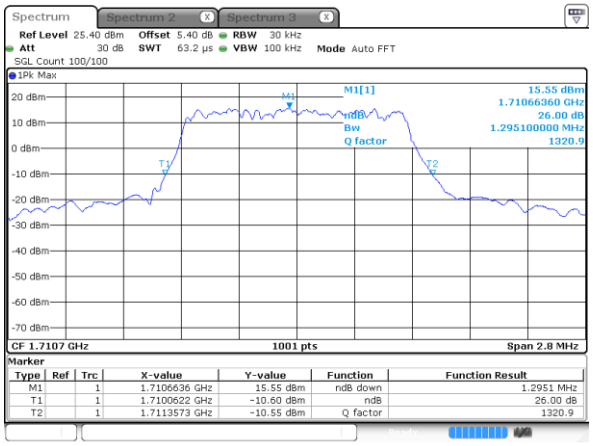


26dB Bandwidth

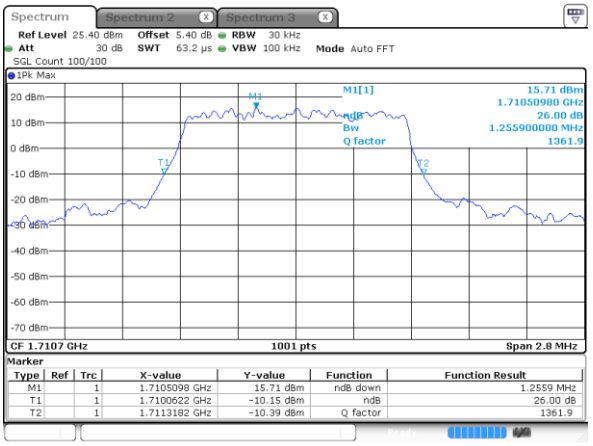
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.2951	1.2559	2.973	2.967	4.885	4.965	9.89	9.79	14.266	14.565	20.22	20.26
Middle CH	1.242	1.2476	2.9251	2.961	4.945	5.055	9.69	9.81	14.505	14.685	20.34	20.18
Highest CH	1.2783	1.2951	2.973	2.9311	5.075	4.855	9.93	9.75	14.356	14.775	20.3	20.18
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	1.2671	-	2.9491	-	4.935	-	9.63	-	14.565	-	20.22	-
Middle CH	1.2699	-	2.9371	-	5.005	-	9.65	-	14.745	-	20.46	-
Highest CH	1.2867	-	2.9311	-	5.185	-	9.75	-	14.715	-	19.98	-

LTE Band 66

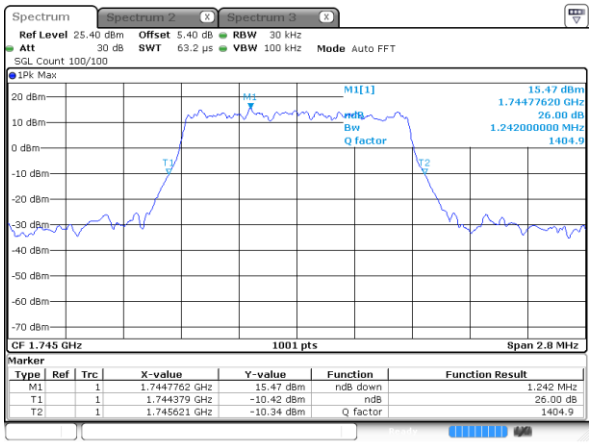
Lowest Channel / 1.4MHz / QPSK



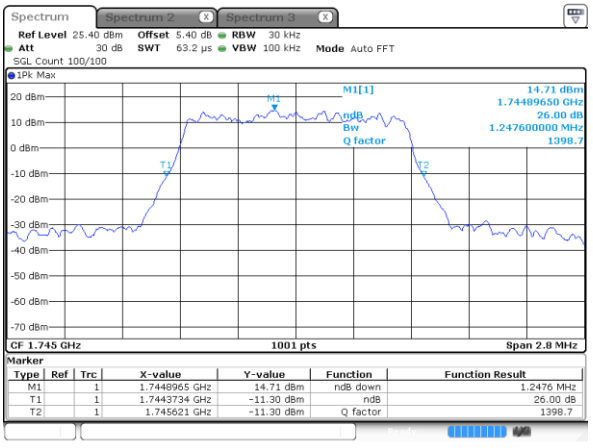
Lowest Channel / 1.4MHz / 16QAM



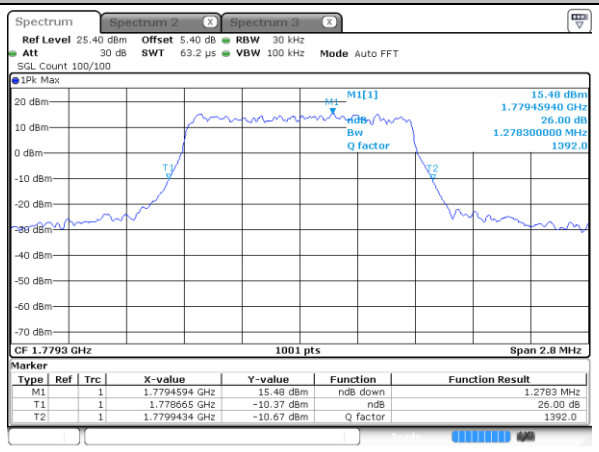
Middle Channel / 1.4MHz / QPSK



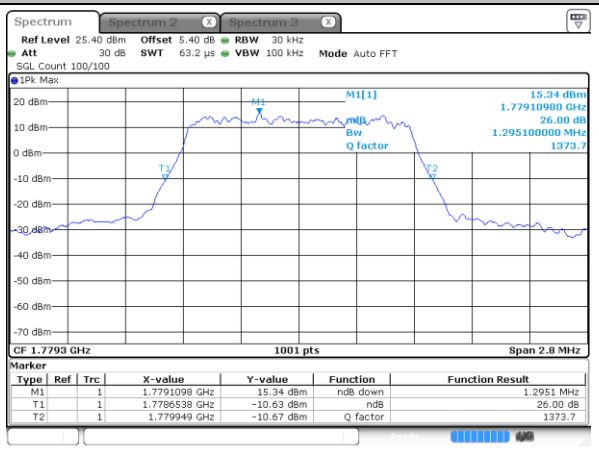
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

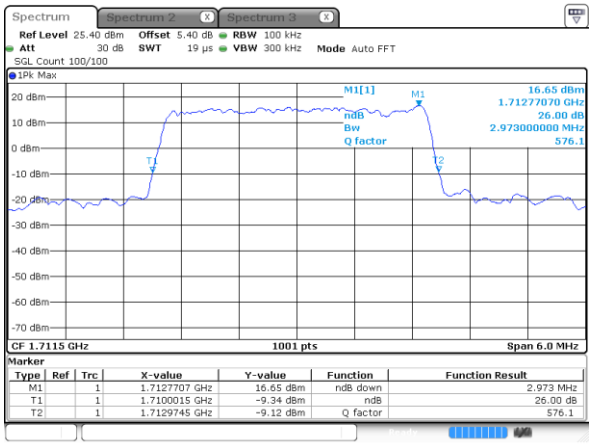


Highest Channel / 1.4MHz / 16QAM

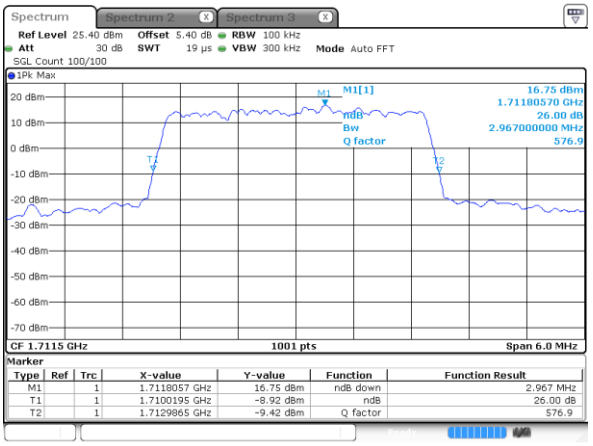


LTE Band 66

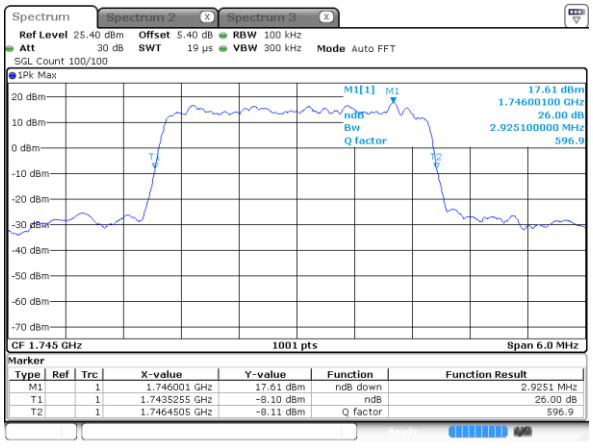
Lowest Channel / 3MHz / QPSK



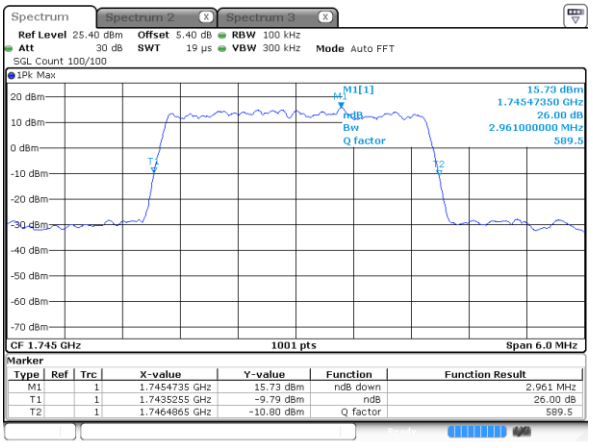
Lowest Channel / 3MHz / 16QAM



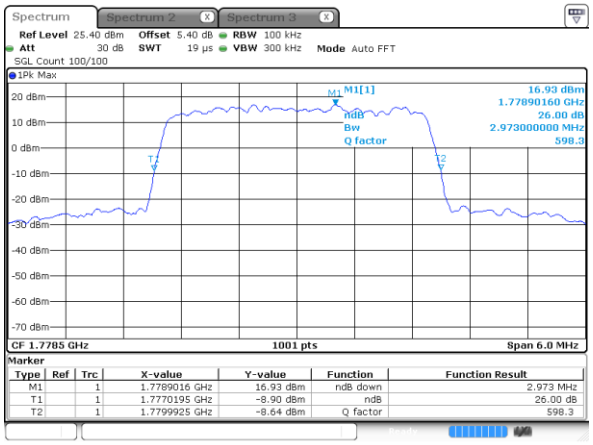
Middle Channel / 3MHz / QPSK



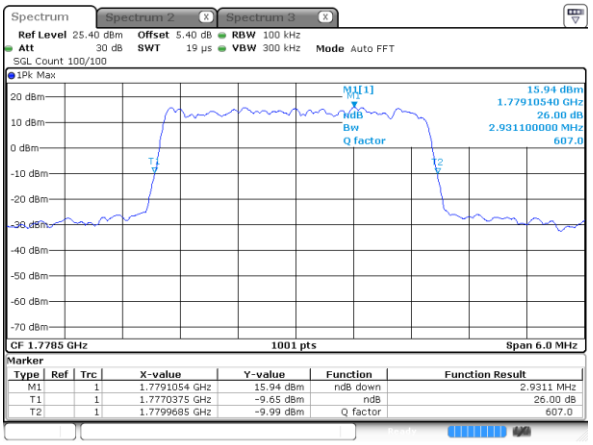
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

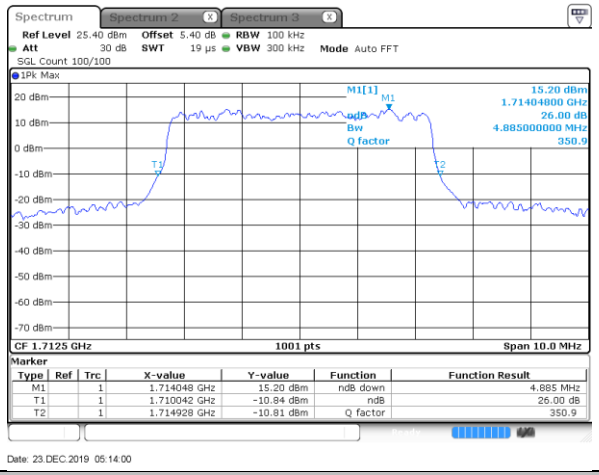


Highest Channel / 3MHz / 16QAM

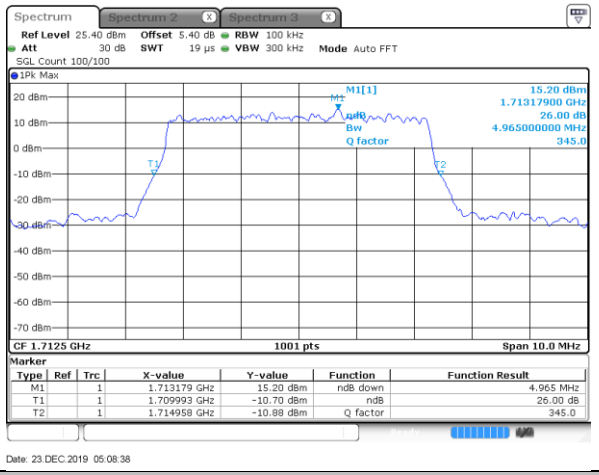


LTE Band 66

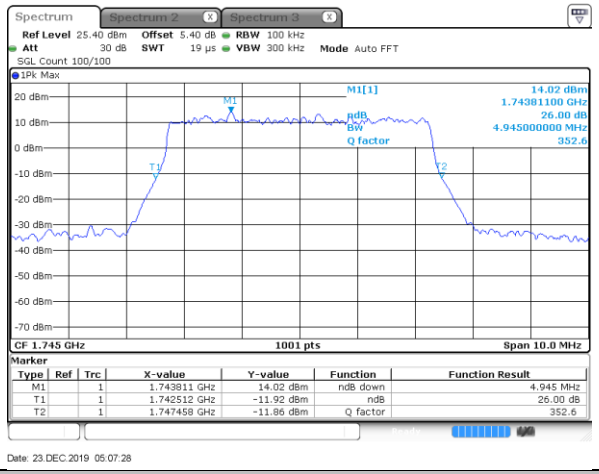
Lowest Channel / 5MHz / QPSK



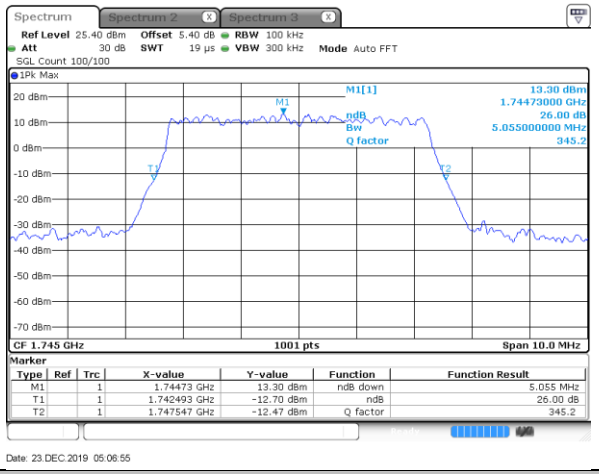
Lowest Channel / 5MHz / 16QAM



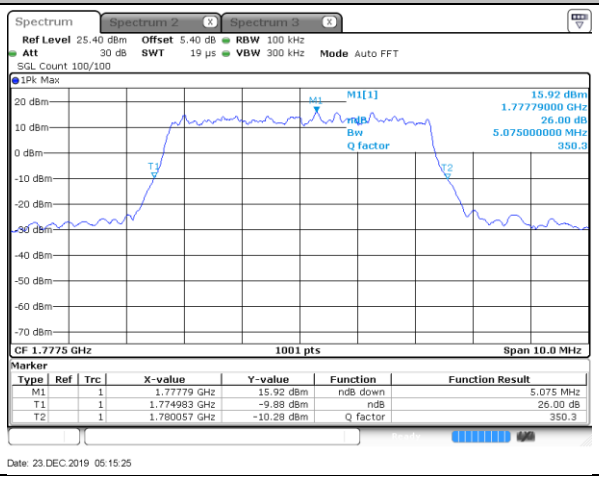
Middle Channel / 5MHz / QPSK



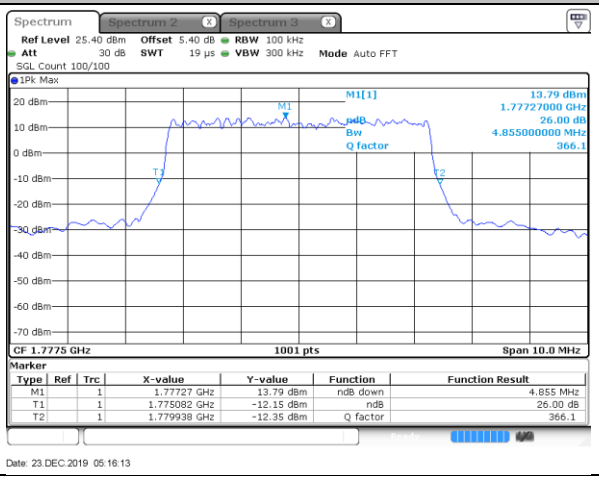
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

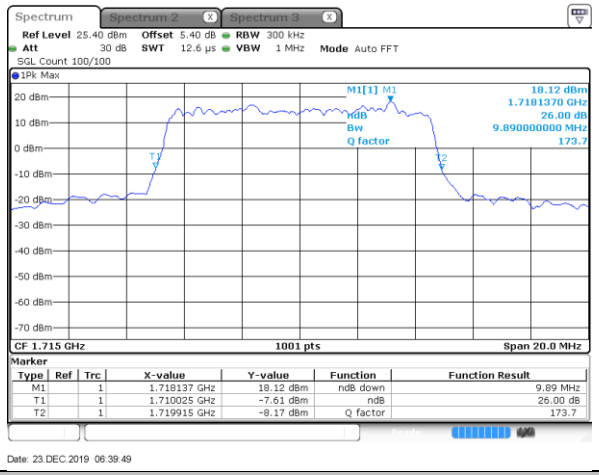


Highest Channel / 5MHz / 16QAM

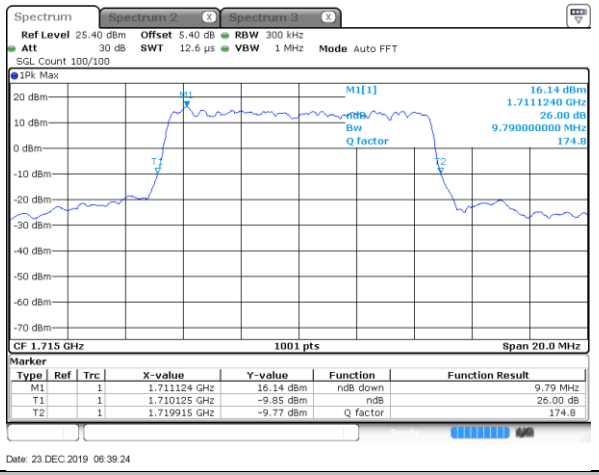


LTE Band 66

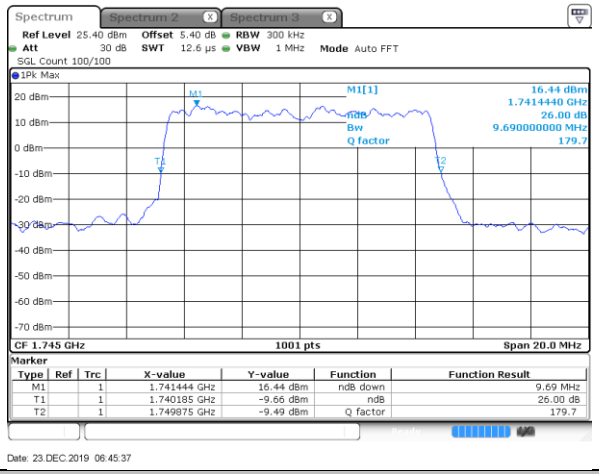
Lowest Channel / 10MHz / QPSK



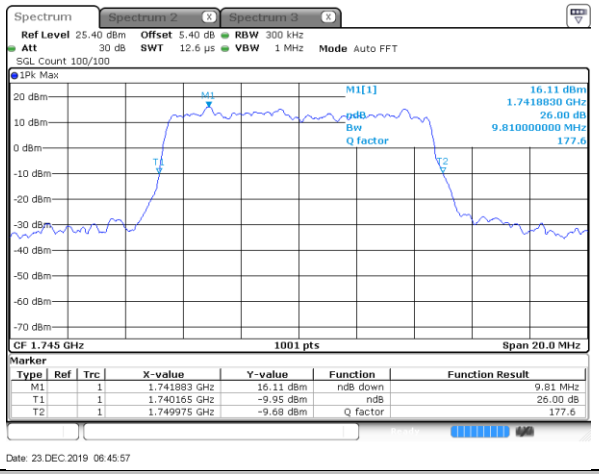
Lowest Channel / 10MHz / 16QAM



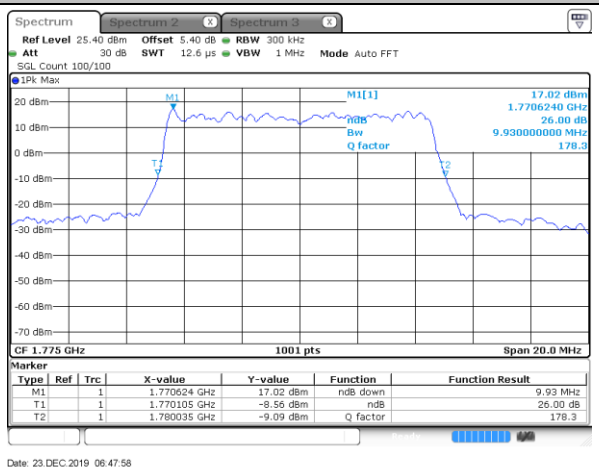
Middle Channel / 10MHz / QPSK



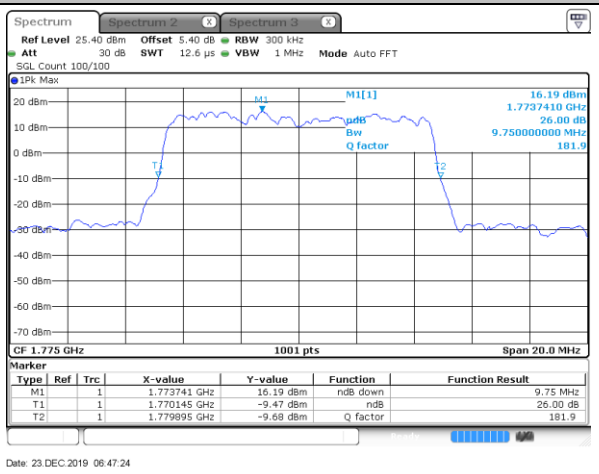
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

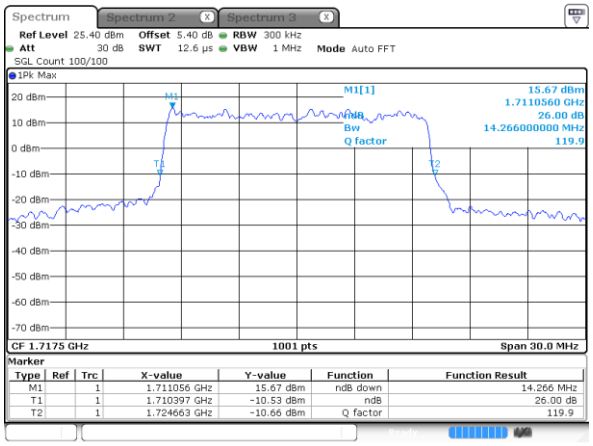


Highest Channel / 10MHz / 16QAM

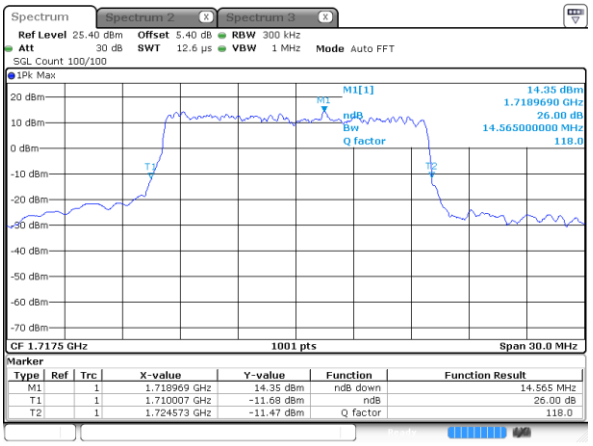


LTE Band 66

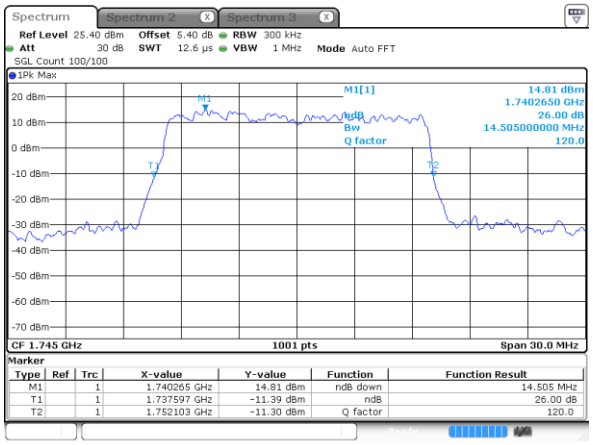
Lowest Channel / 15MHz / QPSK



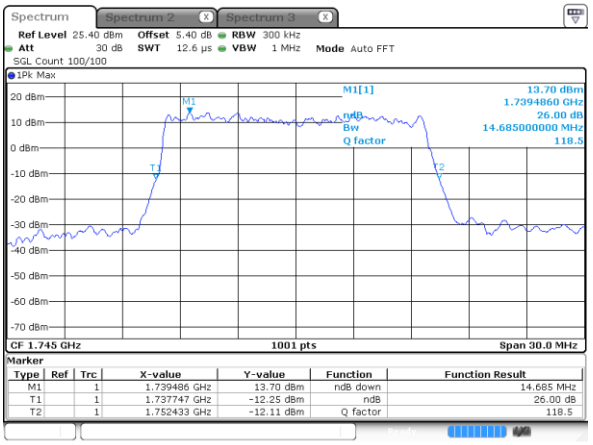
Lowest Channel / 15MHz / 16QAM



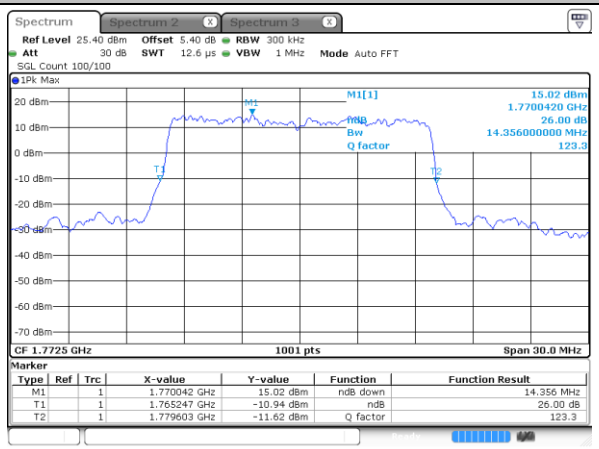
Middle Channel / 15MHz / QPSK



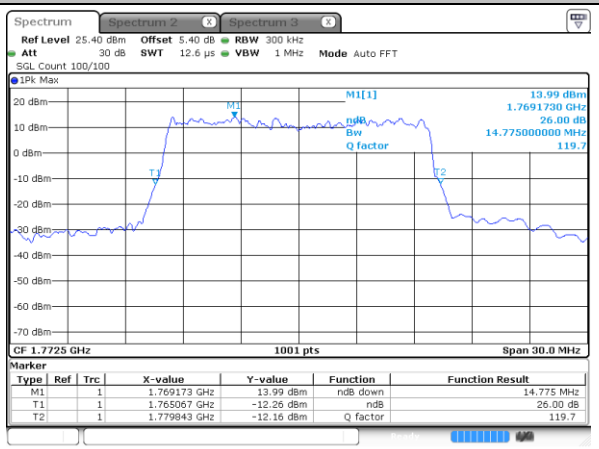
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

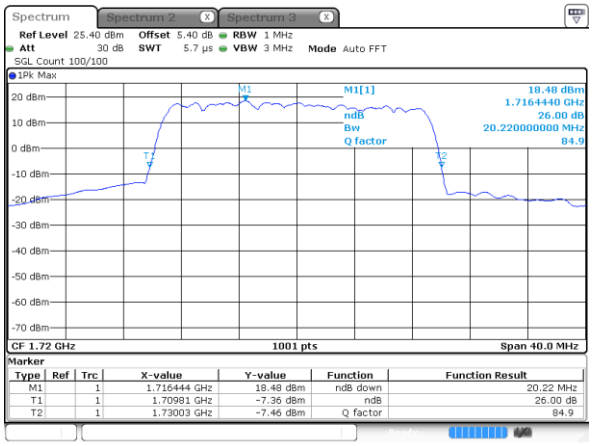


Highest Channel / 15MHz / 16QAM

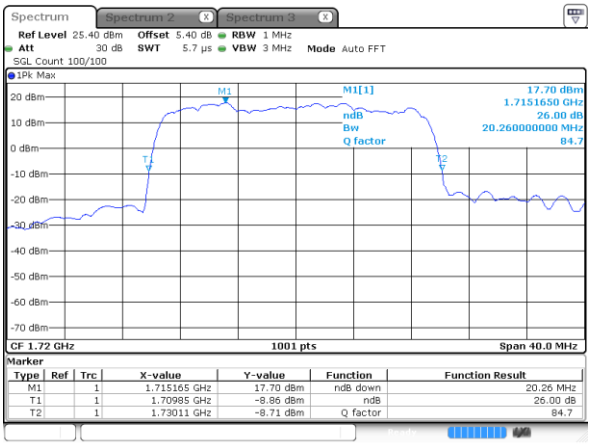


LTE Band 66

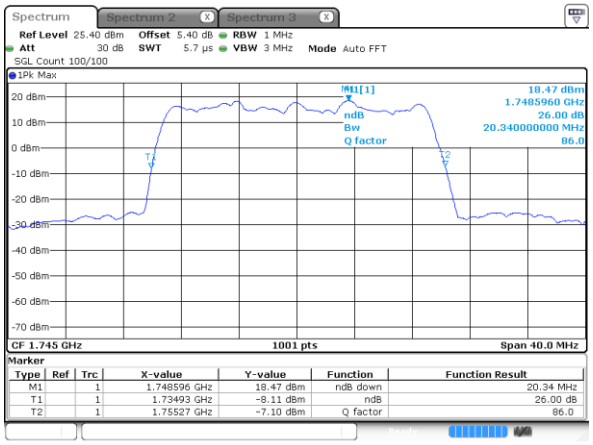
Lowest Channel / 20MHz / QPSK



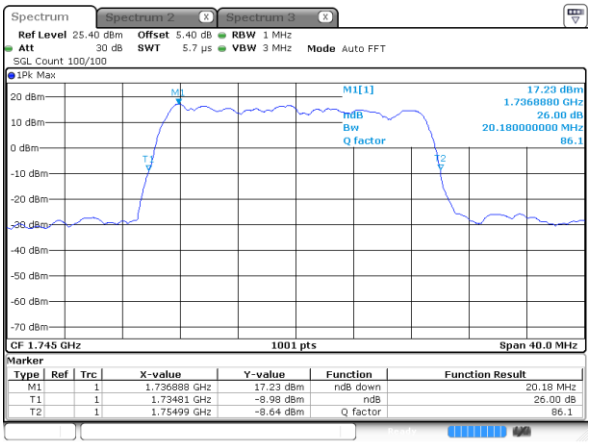
Lowest Channel / 20MHz / 16QAM



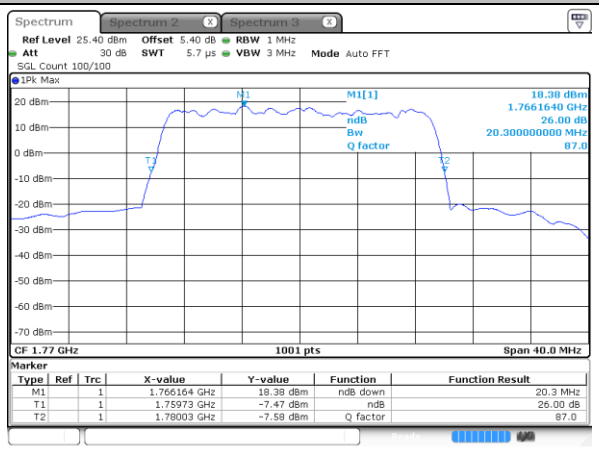
Middle Channel / 20MHz / QPSK



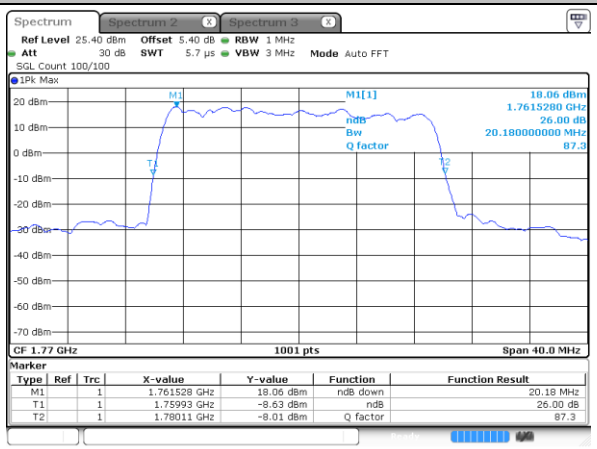
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

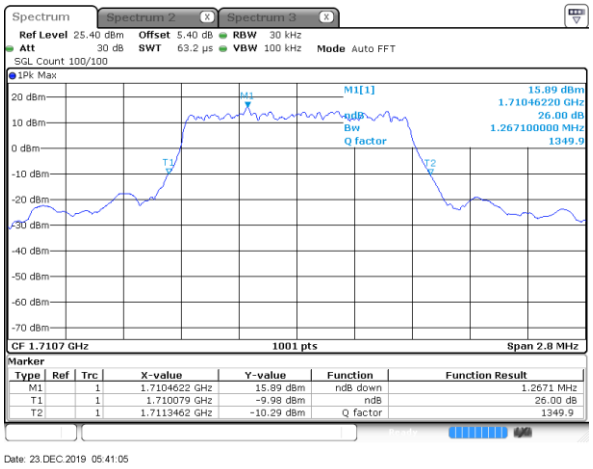


Highest Channel / 20MHz / 16QAM

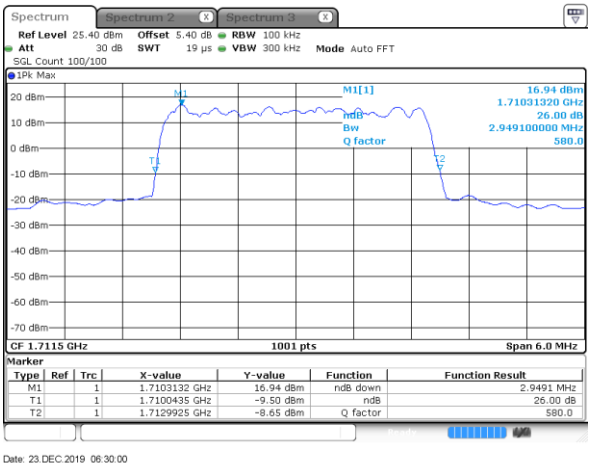


LTE Band 66

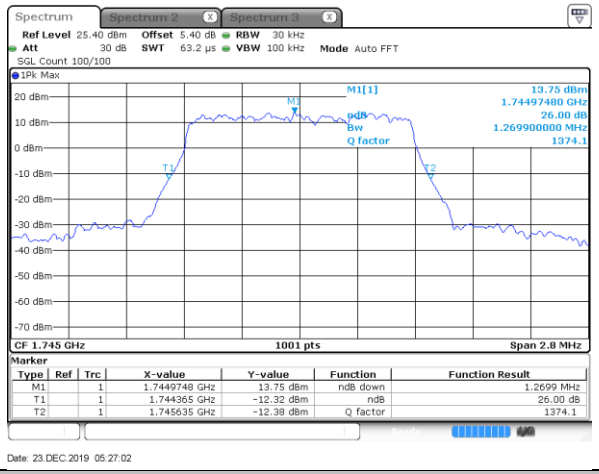
Lowest Channel / 1.4MHz / 64QAM



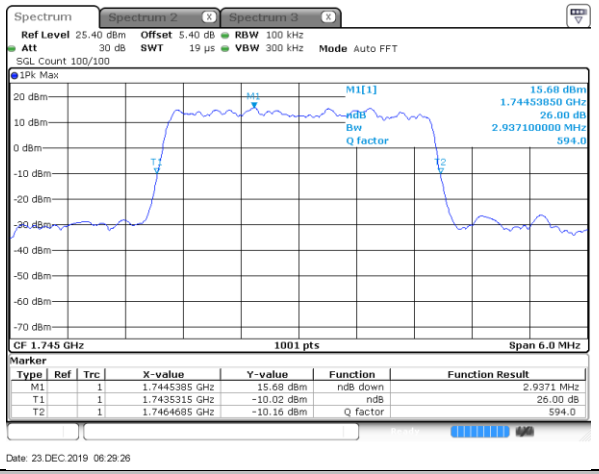
Lowest Channel / 3MHz / 64QAM



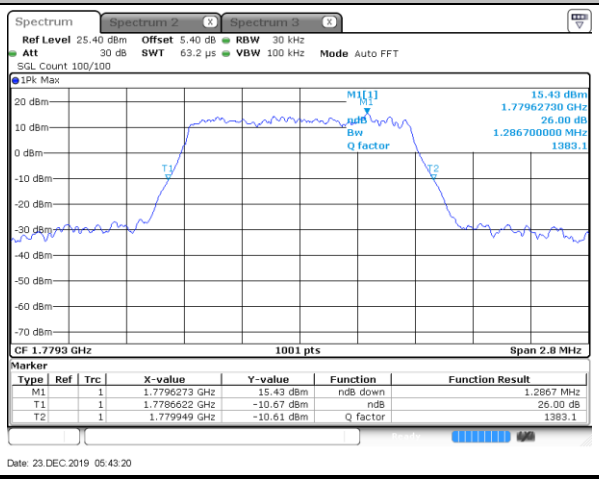
Middle Channel / 20MHz / 64QAM



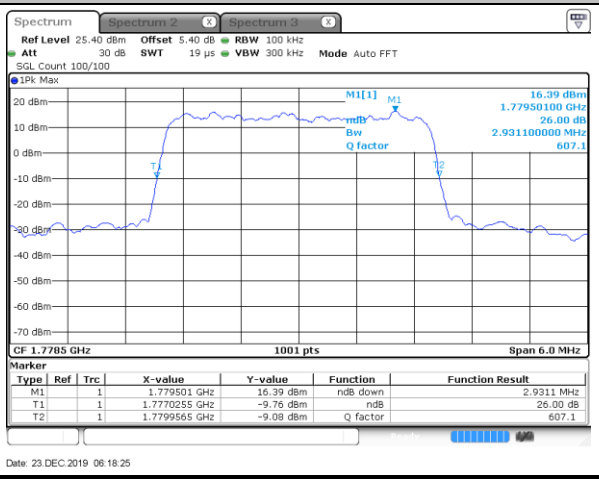
Middle Channel / 3MHz / 64QAM



Highest Channel / 20MHz / 64QAM

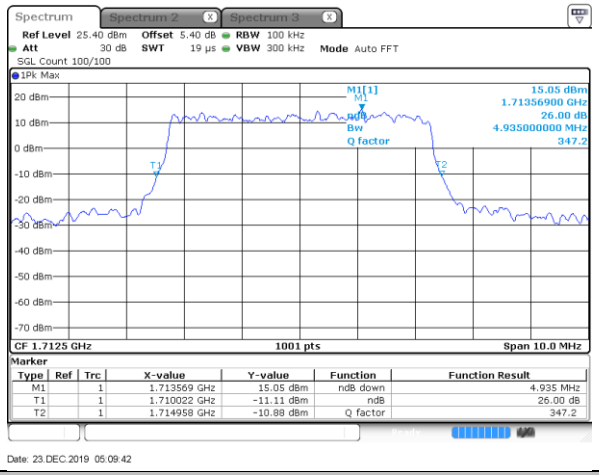


Highest Channel / 3MHz / 64QAM

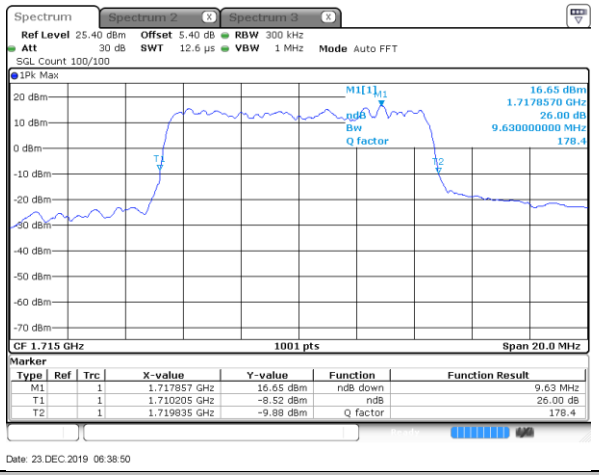


LTE Band 66

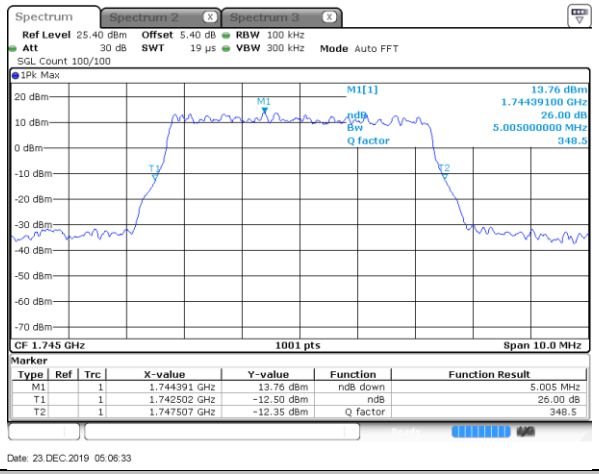
Lowest Channel / 5MHz / 64QAM



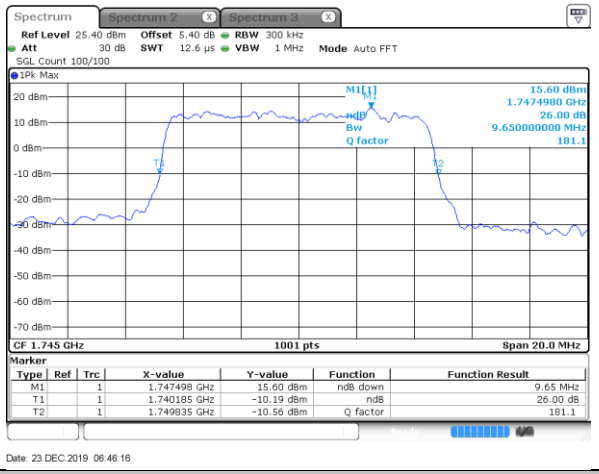
Lowest Channel / 10MHz / 64QAM



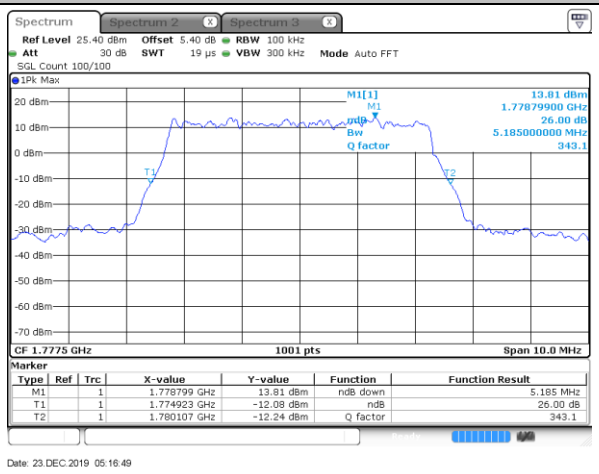
Middle Channel / 5MHz / 64QAM



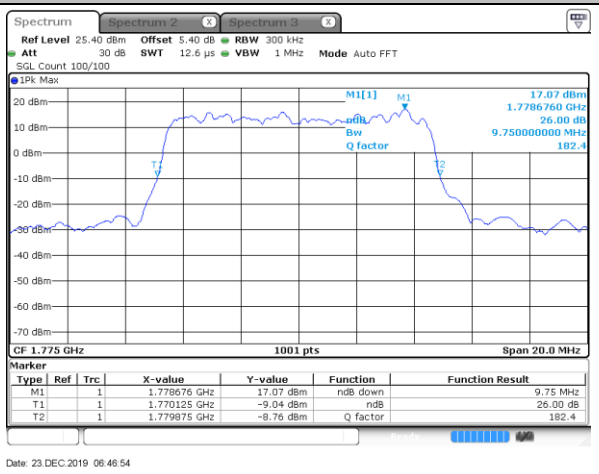
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

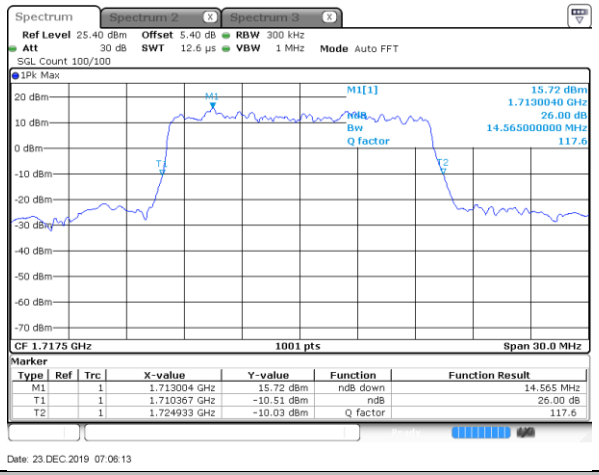


Highest Channel / 10MHz / 64QAM

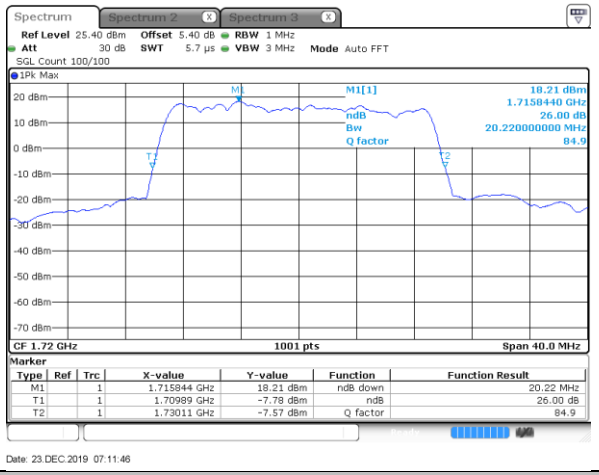


LTE Band 66

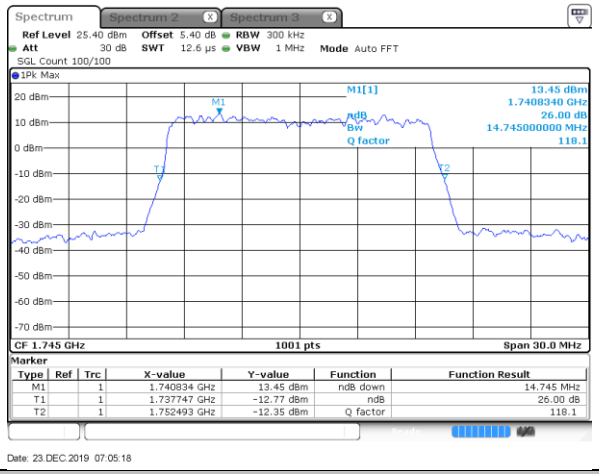
Lowest Channel / 15MHz / 64QAM



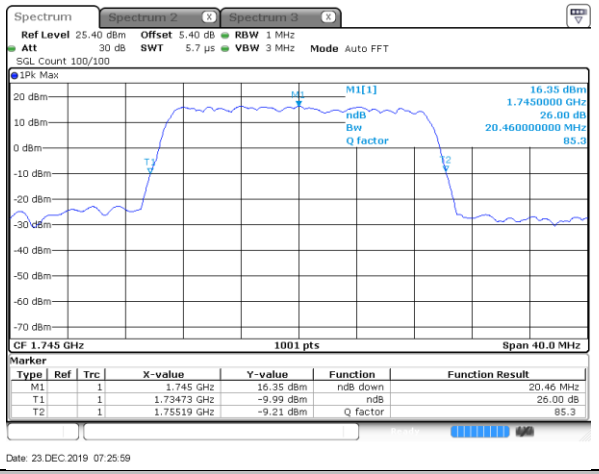
Lowest Channel / 20MHz / 64QAM



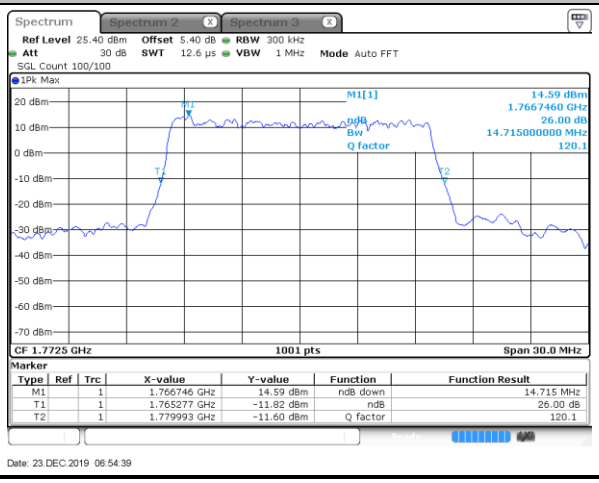
Middle Channel / 15MHz / 64QAM



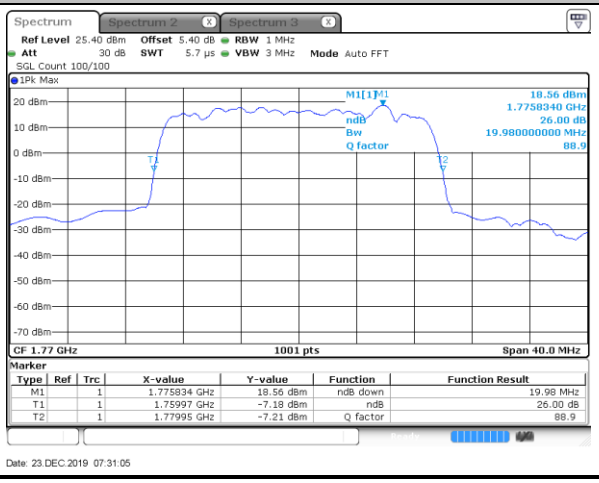
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

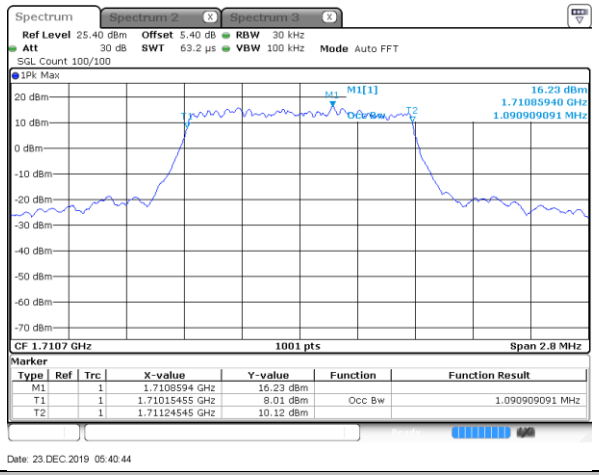


Occupied Bandwidth

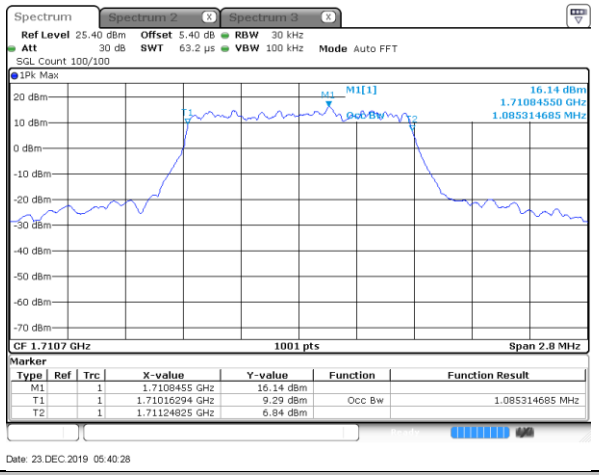
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.71	2.71	4.49	4.50	9.01	9.05	13.43	13.40	18.38	18.46
Middle CH	1.09	1.08	2.72	2.72	4.49	4.50	9.01	9.03	13.46	13.46	18.26	18.30
Highest CH	1.09	1.09	2.72	2.72	4.47	4.49	9.05	9.05	13.43	13.49	18.30	18.42
Mode	LTE Band 66: 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-
Lowest CH	1.09	-	2.72	-	4.49	-	9.03	-	13.46	-	18.50	-
Middle CH	1.09	-	2.71	-	4.49	-	8.99	-	13.49	-	18.34	-
Highest CH	1.09	-	2.70	-	4.48	-	9.03	-	13.55	-	18.42	-

LTE Band 66

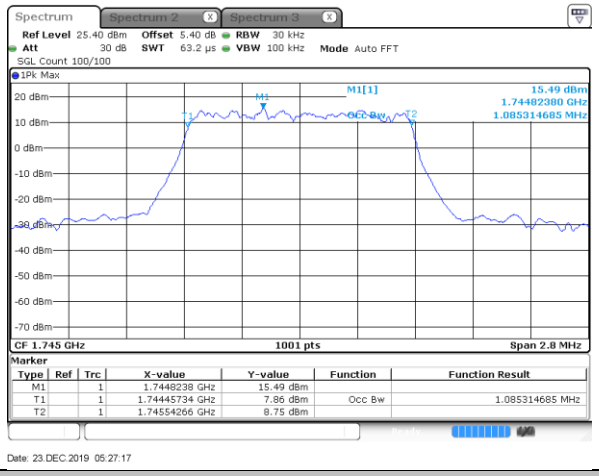
Lowest Channel / 1.4MHz / QPSK



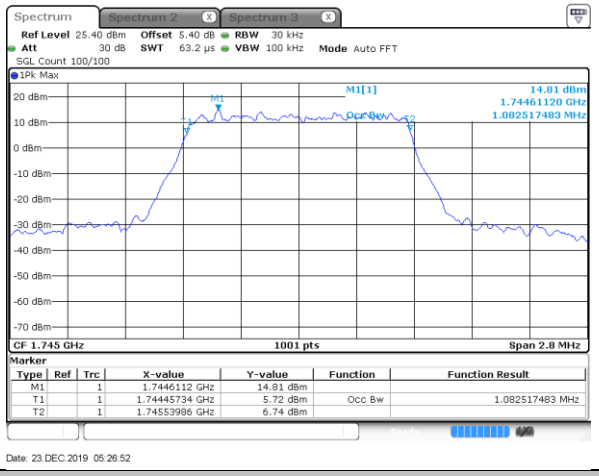
Lowest Channel / 1.4MHz / 16QAM



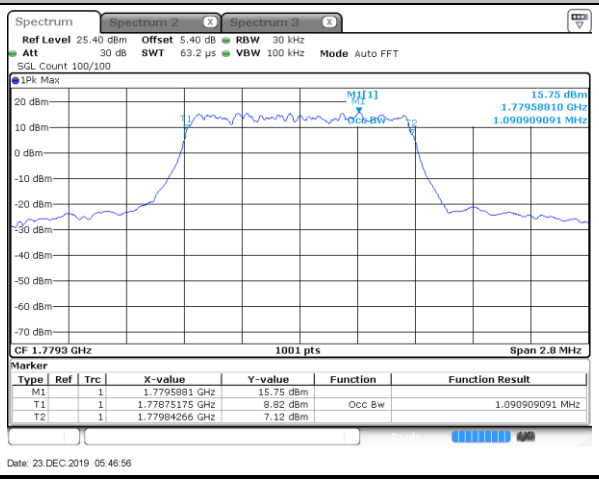
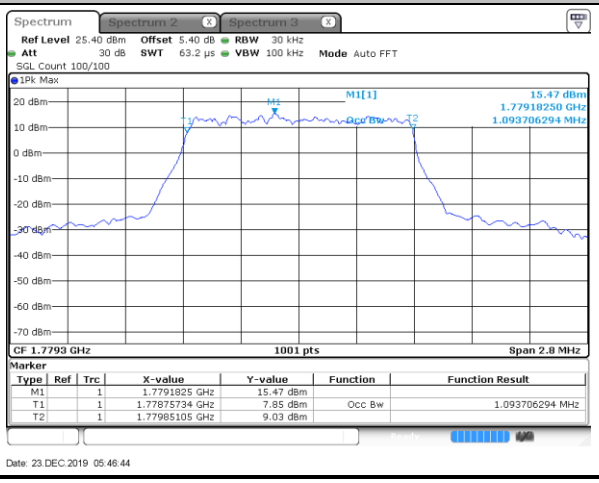
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM