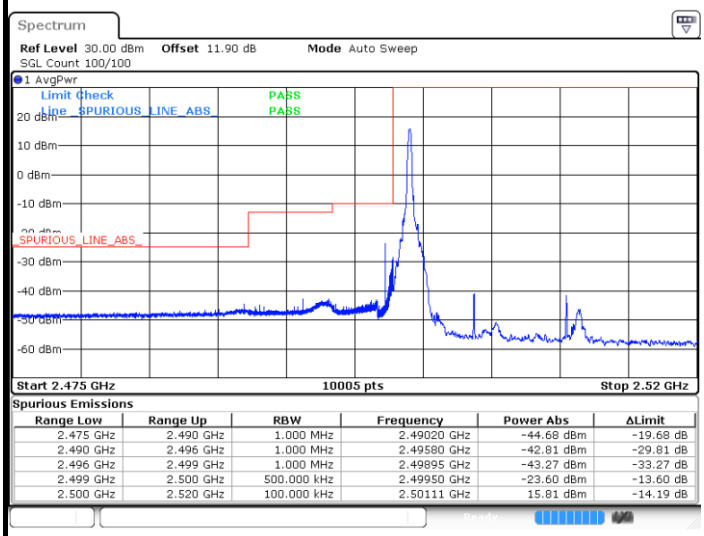
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

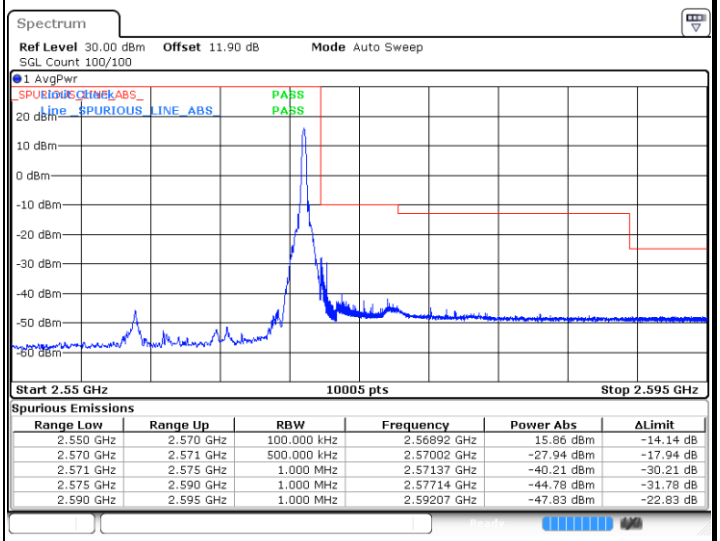


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49020 GHz	-44.68 dBm	-19.68 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49580 GHz	-42.81 dBm	-29.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49895 GHz	-43.27 dBm	-33.27 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49950 GHz	-23.60 dBm	-13.60 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50111 GHz	15.81 dBm	-14.19 dB

Date: 28.DEC.2019 11:53:28

Highest Band Edge / 1 RB

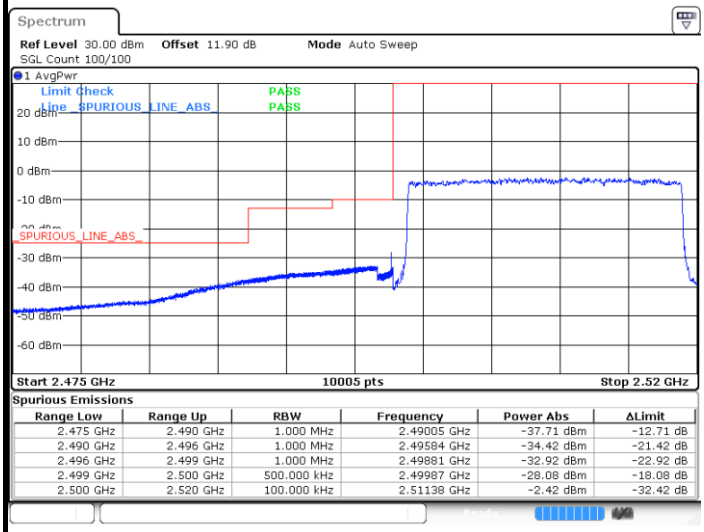


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56892 GHz	15.86 dBm	-14.14 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-27.94 dBm	-17.94 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57137 GHz	-40.21 dBm	-30.21 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57714 GHz	-44.78 dBm	-31.78 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59207 GHz	-47.83 dBm	-22.83 dB

Date: 28.DEC.2019 12:04:28

Lowest Band Edge / Full RB

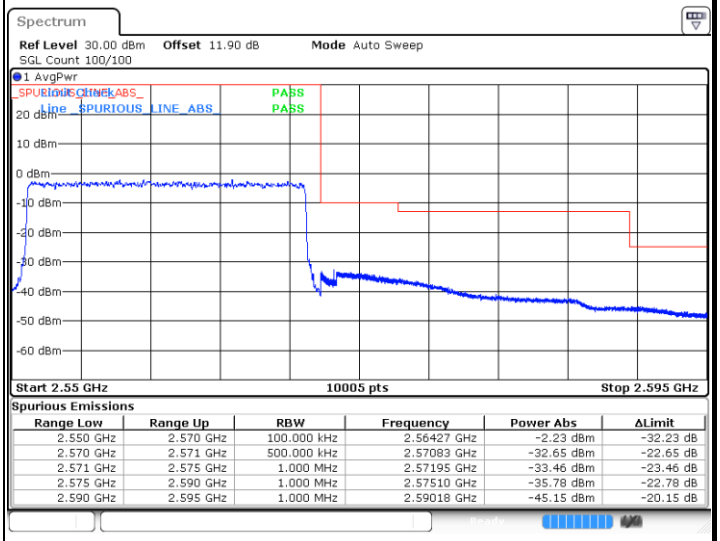


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49005 GHz	-37.71 dBm	-12.71 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49584 GHz	-34.42 dBm	-21.42 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49881 GHz	-32.92 dBm	-22.92 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49987 GHz	-28.08 dBm	-18.08 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51138 GHz	-2.42 dBm	-32.42 dB

Date: 28.DEC.2019 11:56:11

Highest Band Edge / Full RB



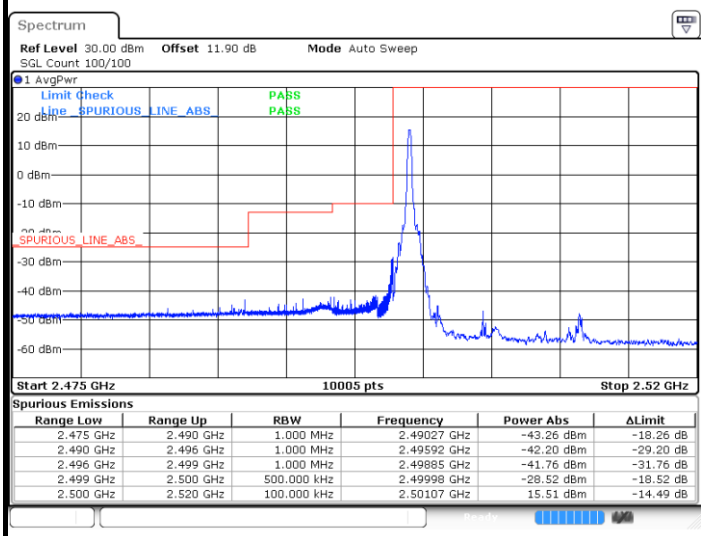
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56427 GHz	-2.23 dBm	-32.23 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57083 GHz	-32.65 dBm	-22.65 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57195 GHz	-33.46 dBm	-23.46 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57510 GHz	-35.78 dBm	-22.78 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59018 GHz	-45.15 dBm	-20.15 dB

Date: 28.DEC.2019 12:08:32

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

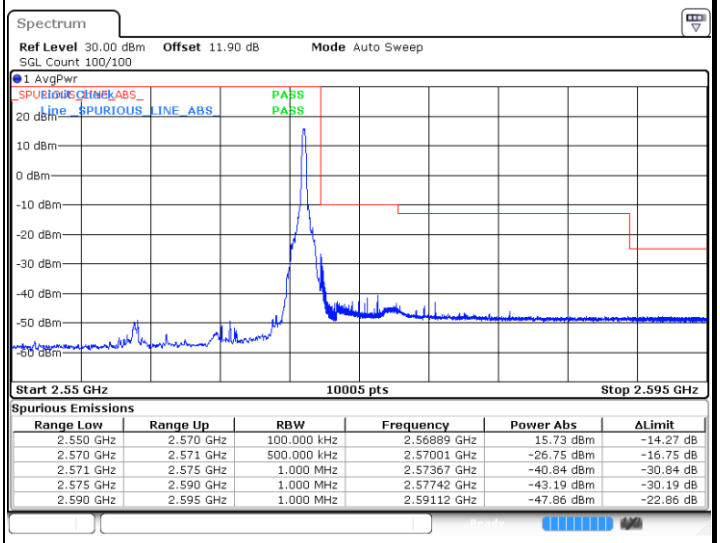


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49027 GHz	-43.26 dBm	-18.26 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49592 GHz	-42.20 dBm	-29.20 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49885 GHz	-41.76 dBm	-31.76 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-28.52 dBm	-18.52 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50107 GHz	15.51 dBm	-14.49 dB

Date: 28.DEC.2019 11:54:50

Highest Band Edge / 1RB

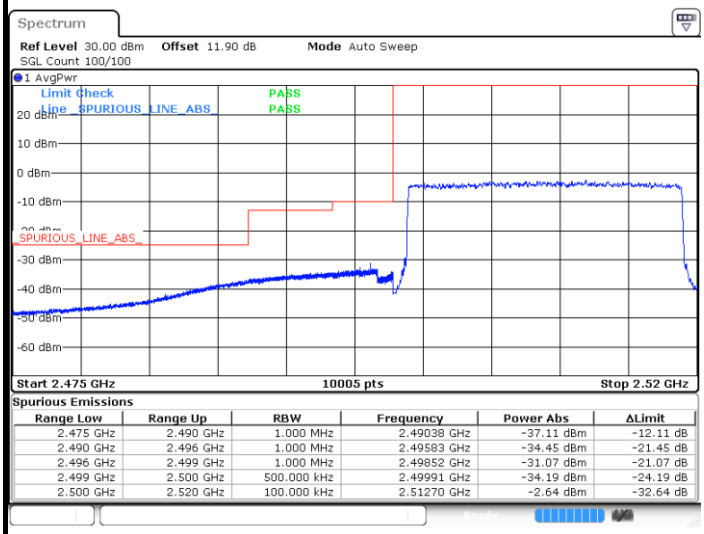


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56889 GHz	15.73 dBm	-14.27 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-26.75 dBm	-16.75 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57367 GHz	-40.84 dBm	-30.84 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57742 GHz	-43.19 dBm	-30.19 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59112 GHz	-47.86 dBm	-22.86 dB

Date: 28.DEC.2019 12:05:49

Lowest Band Edge / Full RB

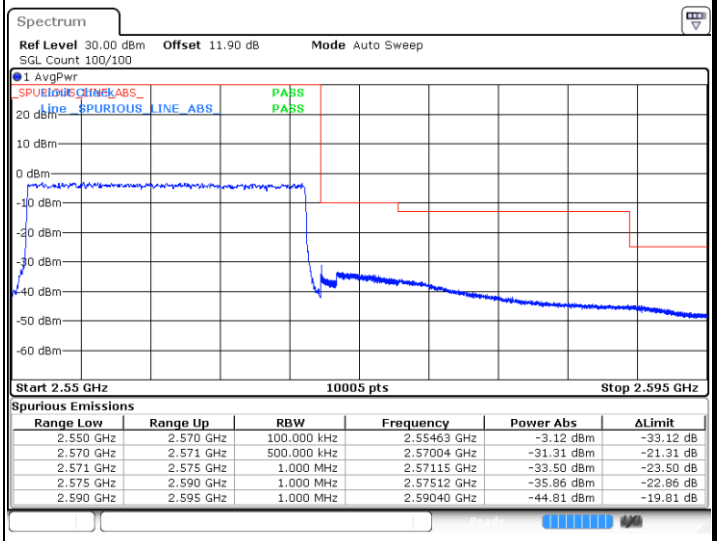


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49038 GHz	-37.11 dBm	-12.11 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49583 GHz	-34.45 dBm	-21.45 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49852 GHz	-31.07 dBm	-21.07 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49991 GHz	-34.19 dBm	-24.19 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51270 GHz	-2.64 dBm	-32.64 dB

Date: 28.DEC.2019 11:57:33

Highest Band Edge / Full RB



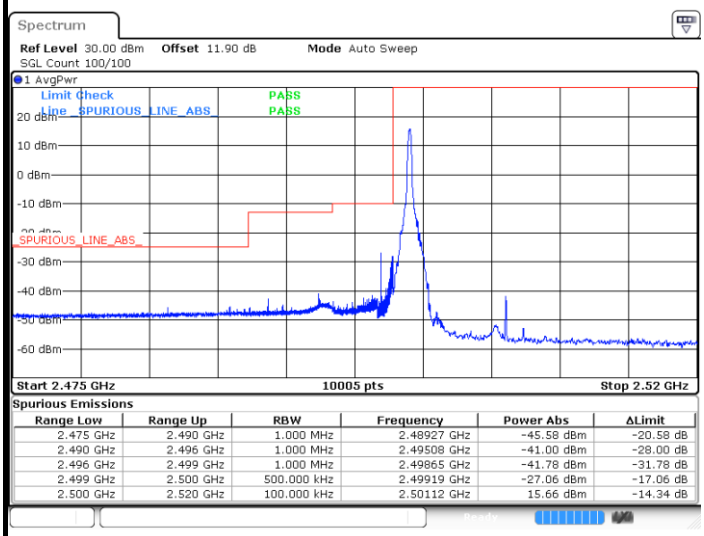
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55463 GHz	-3.12 dBm	-33.12 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57004 GHz	-31.31 dBm	-21.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57115 GHz	-33.50 dBm	-23.50 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57512 GHz	-35.86 dBm	-22.86 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59040 GHz	-44.81 dBm	-19.81 dB

Date: 28.DEC.2019 12:07:11

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

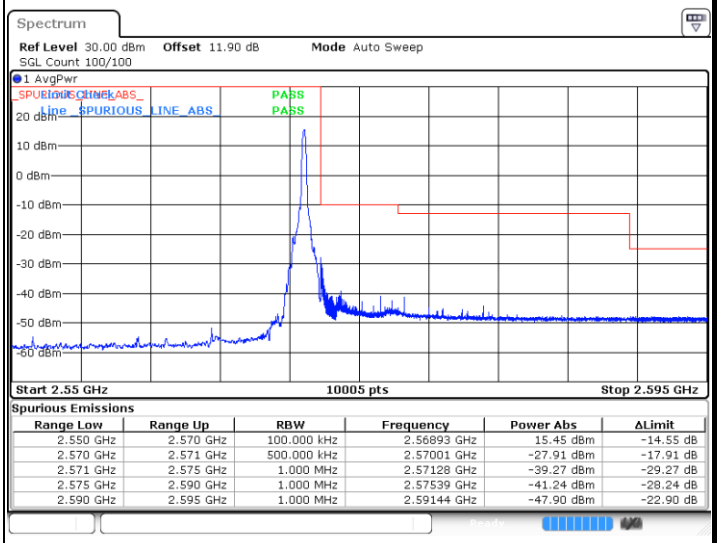


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48927 GHz	-45.58 dBm	-20.58 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49508 GHz	-41.00 dBm	-28.00 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49865 GHz	-41.78 dBm	-31.78 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49919 GHz	-27.06 dBm	-17.06 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50112 GHz	15.66 dBm	-14.34 dB

Date: 28.DEC.2019 12:12:18

Highest Band Edge / 1 RB

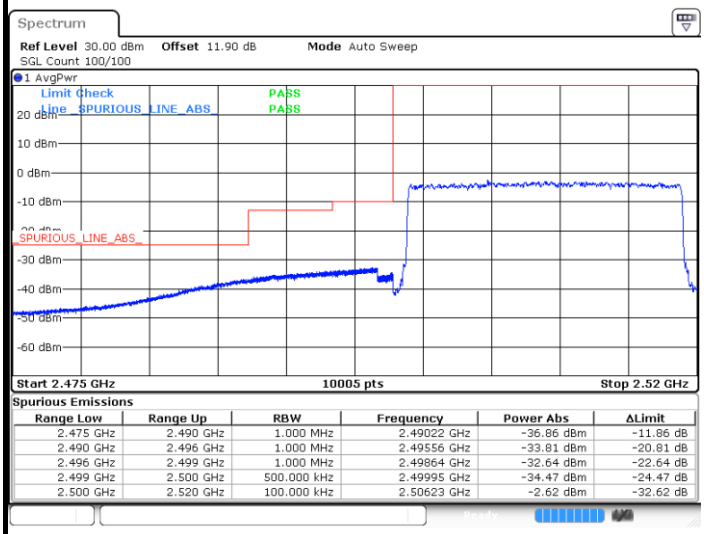


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	15.45 dBm	-14.55 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-27.91 dBm	-17.91 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57128 GHz	-39.27 dBm	-29.27 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57539 GHz	-41.24 dBm	-28.24 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59144 GHz	-47.90 dBm	-22.90 dB

Date: 28.DEC.2019 12:17:48

Lowest Band Edge / Full RB

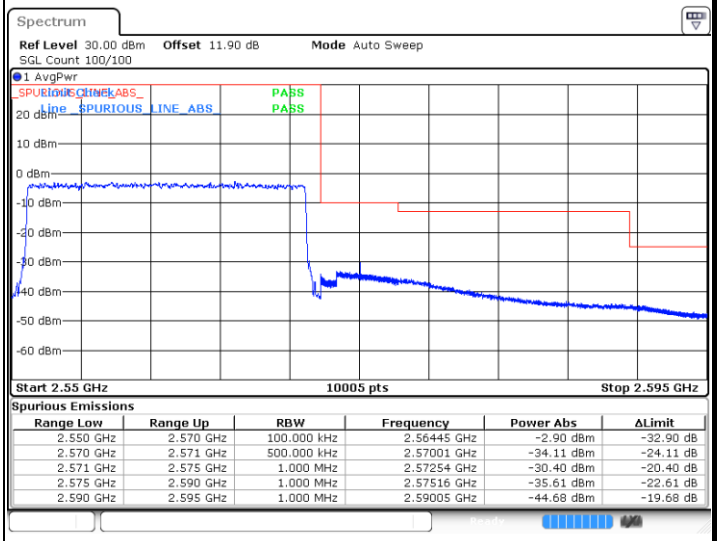


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-36.86 dBm	-11.86 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49556 GHz	-33.81 dBm	-20.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49864 GHz	-32.64 dBm	-22.64 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49995 GHz	-34.47 dBm	-24.47 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50623 GHz	-2.62 dBm	-32.62 dB

Date: 28.DEC.2019 12:13:40

Highest Band Edge / Full RB



Spurious Emissions

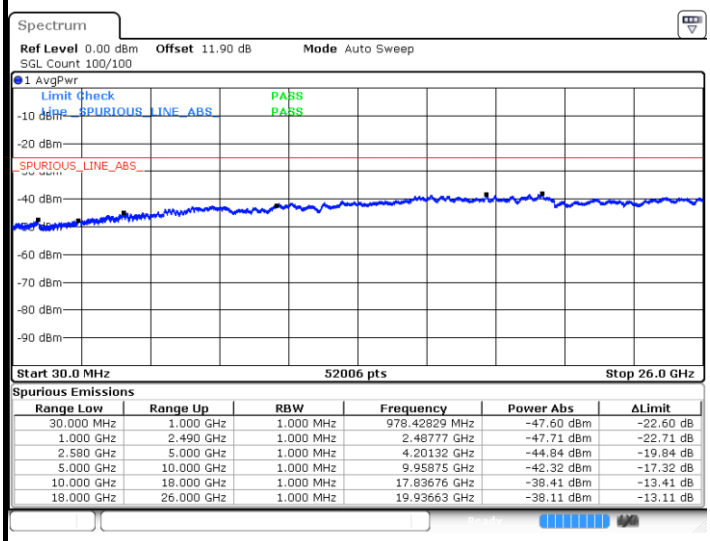
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56445 GHz	-2.90 dBm	-32.90 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-34.11 dBm	-24.11 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57254 GHz	-30.40 dBm	-20.40 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57516 GHz	-35.61 dBm	-22.61 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59005 GHz	-44.68 dBm	-19.68 dB

Date: 28.DEC.2019 12:19:09

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

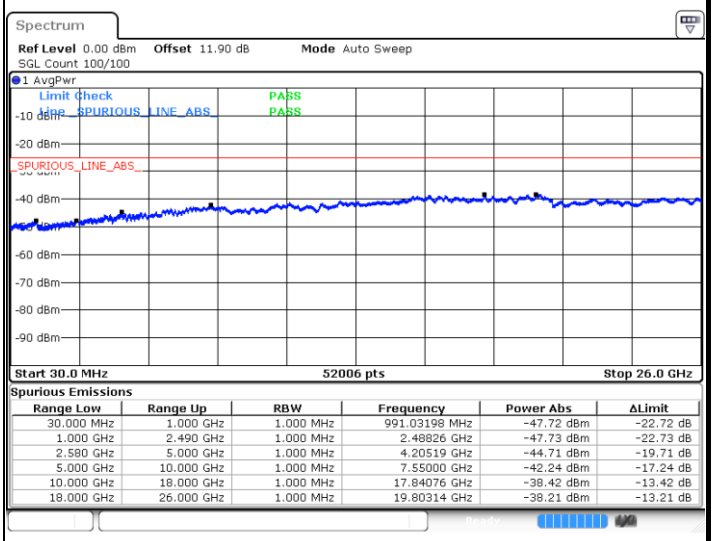


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.60 dBm	-22.60 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-47.71 dBm	-22.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20132 GHz	-44.84 dBm	-19.84 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95875 GHz	-42.32 dBm	-17.32 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83676 GHz	-38.41 dBm	-13.41 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93663 GHz	-38.11 dBm	-13.11 dB

Date: 28.DEC.2019 10:25:54

Lowest Channel / 16QAM

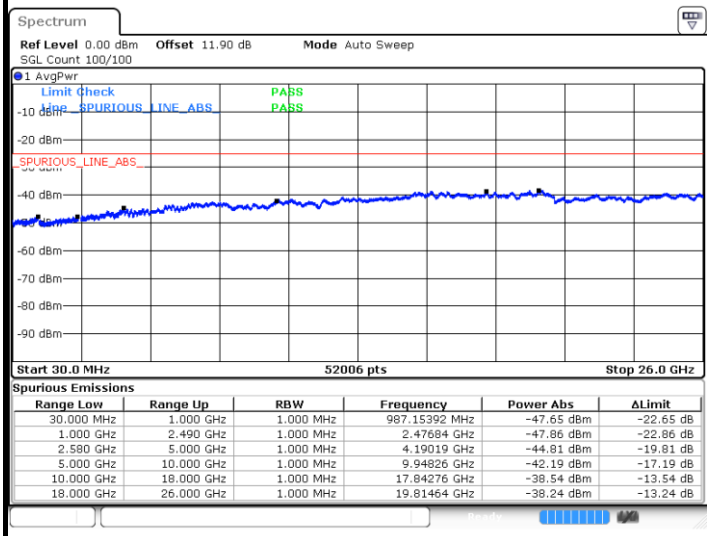


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-47.72 dBm	-22.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-47.73 dBm	-22.73 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20519 GHz	-44.71 dBm	-19.71 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55000 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84076 GHz	-38.42 dBm	-13.42 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80314 GHz	-38.21 dBm	-13.21 dB

Date: 28.DEC.2019 10:26:54

Middle Channel / QPSK

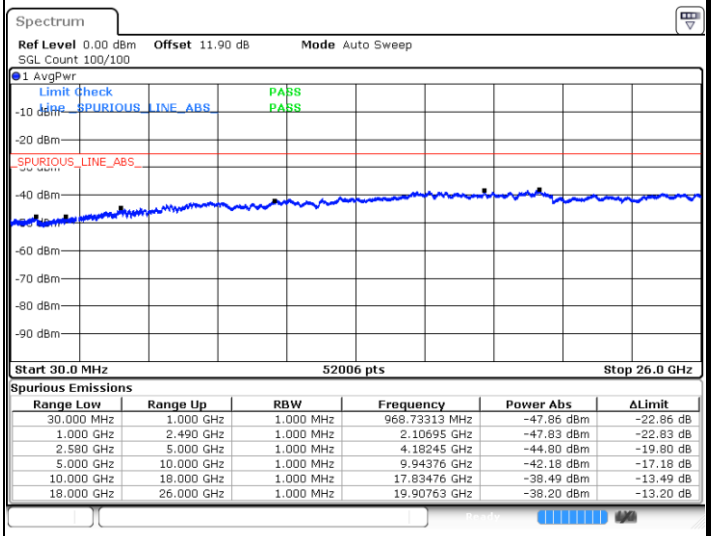


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-47.65 dBm	-22.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47684 GHz	-47.86 dBm	-22.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19019 GHz	-44.81 dBm	-19.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94826 GHz	-42.19 dBm	-17.19 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84276 GHz	-38.54 dBm	-13.54 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-38.24 dBm	-13.24 dB

Date: 28.DEC.2019 10:28:40

Middle Channel / 16QAM



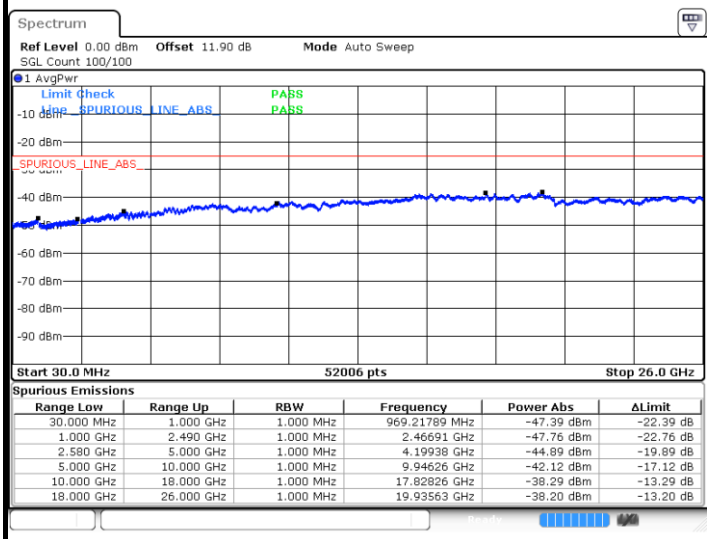
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.73313 MHz	-47.86 dBm	-22.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.10695 GHz	-47.83 dBm	-22.83 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18245 GHz	-44.80 dBm	-19.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94376 GHz	-42.18 dBm	-17.18 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83476 GHz	-38.49 dBm	-13.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90763 GHz	-38.20 dBm	-13.20 dB

Date: 28.DEC.2019 10:29:39

LTE Band 7 / 5MHz

Highest Channel / QPSK

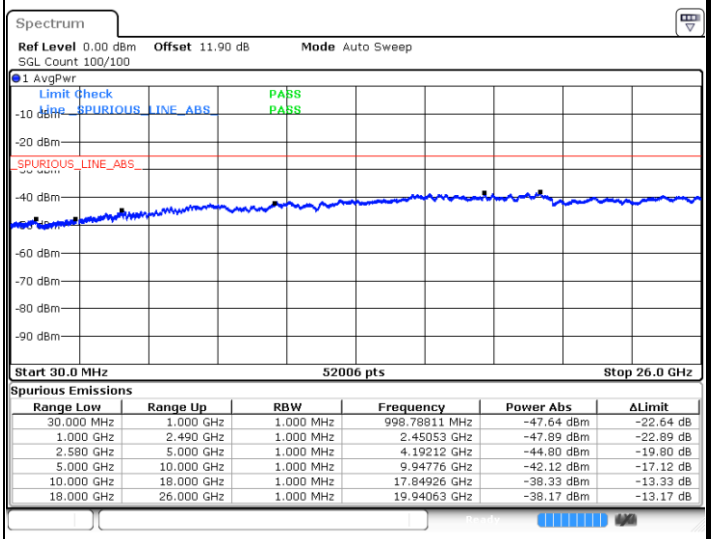


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.21789 MHz	-47.39 dBm	-22.39 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46691 GHz	-47.76 dBm	-22.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19938 GHz	-44.89 dBm	-19.89 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94626 GHz	-42.12 dBm	-17.12 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.82826 GHz	-38.29 dBm	-13.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93563 GHz	-38.20 dBm	-13.20 dB

Date: 28.DEC.2019 10:36:53

Highest Channel / 16QAM



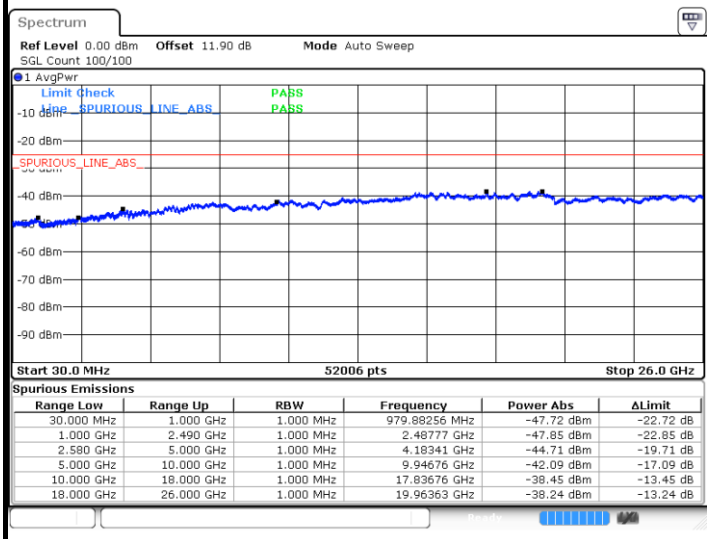
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45053 GHz	-47.89 dBm	-22.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19212 GHz	-44.80 dBm	-19.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94776 GHz	-42.12 dBm	-17.12 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84926 GHz	-38.33 dBm	-13.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94063 GHz	-38.17 dBm	-13.17 dB

Date: 28.DEC.2019 10:37:53

LTE Band 7 / 10MHz

Lowest Channel / QPSK

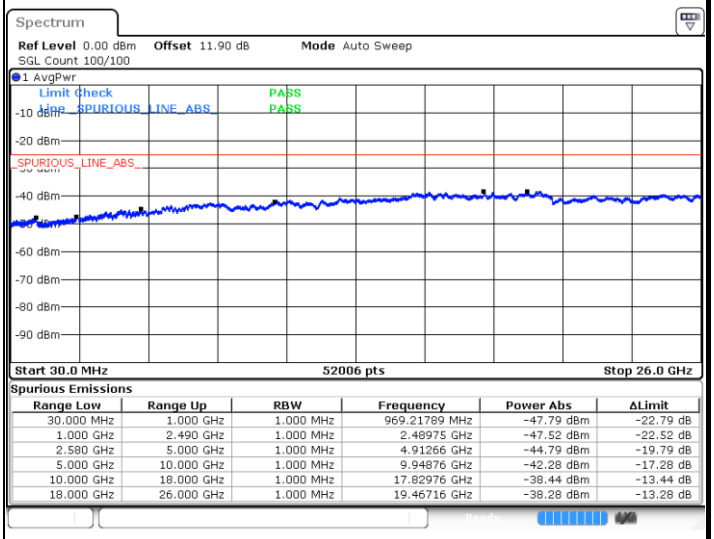


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-47.72 dBm	-22.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-47.85 dBm	-22.85 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18341 GHz	-44.71 dBm	-19.71 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94676 GHz	-42.09 dBm	-17.09 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83676 GHz	-38.45 dBm	-13.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.96363 GHz	-38.24 dBm	-13.24 dB

Date: 28.DEC.2019 10:54:44

Lowest Channel / 16QAM



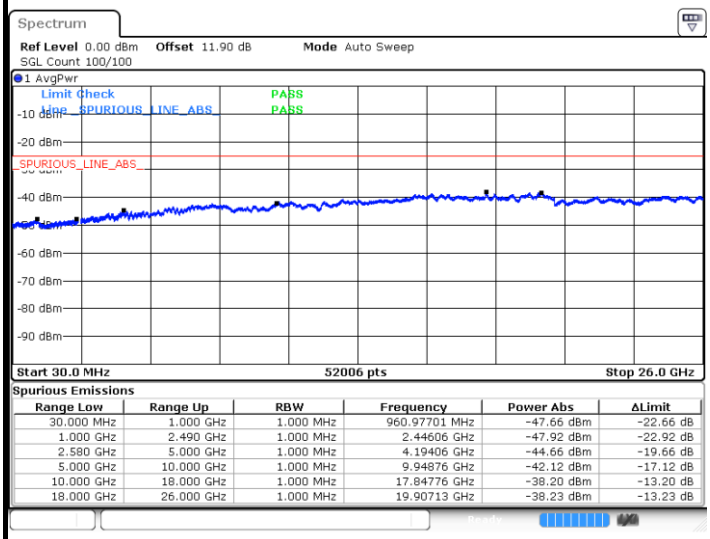
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.21789 MHz	-47.79 dBm	-22.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-47.52 dBm	-22.52 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.91266 GHz	-44.79 dBm	-19.79 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94876 GHz	-42.28 dBm	-17.28 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.82976 GHz	-38.44 dBm	-13.44 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.46716 GHz	-38.28 dBm	-13.28 dB

Date: 28.DEC.2019 10:55:44

LTE Band 7 / 10MHz

Middle Channel / QPSK

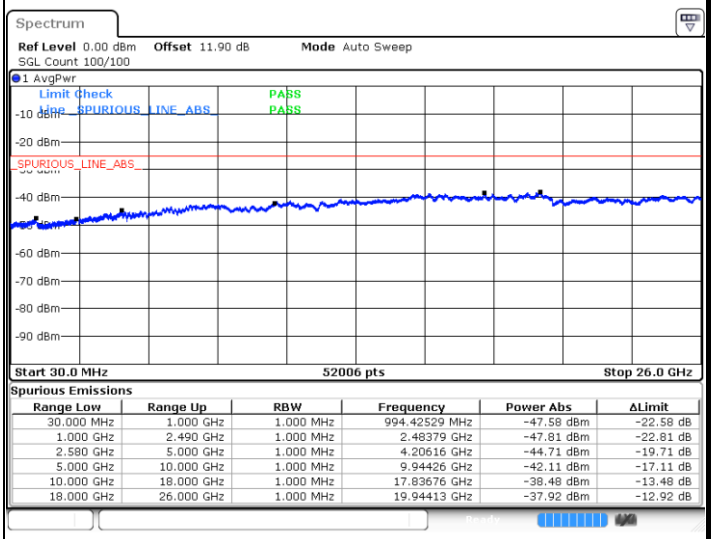


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-47.66 dBm	-22.66 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44606 GHz	-47.92 dBm	-22.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19406 GHz	-44.66 dBm	-19.66 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94876 GHz	-42.12 dBm	-17.12 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84776 GHz	-38.20 dBm	-13.20 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90713 GHz	-38.23 dBm	-13.23 dB

Date: 28.DEC.2019 10:57:30

Middle Channel / 16QAM

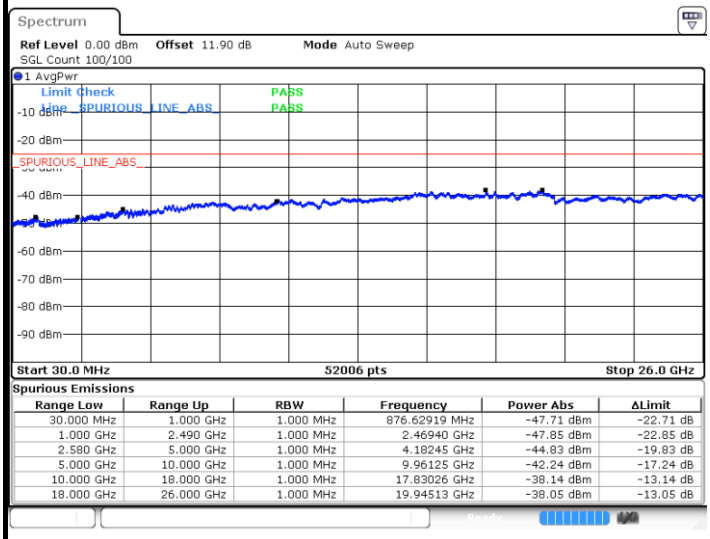


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-47.58 dBm	-22.58 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-47.81 dBm	-22.81 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20616 GHz	-44.71 dBm	-19.71 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94426 GHz	-42.11 dBm	-17.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83676 GHz	-38.48 dBm	-13.48 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94413 GHz	-37.92 dBm	-12.92 dB

Date: 28.DEC.2019 10:58:30

Highest Channel / QPSK

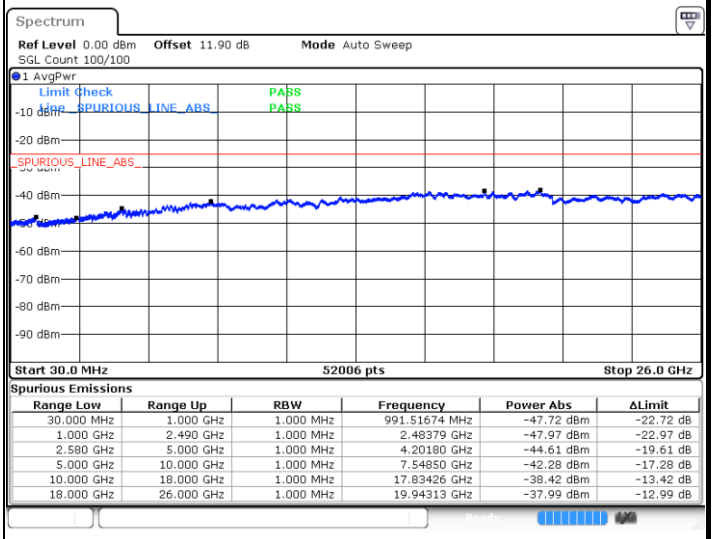


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.62919 MHz	-47.71 dBm	-22.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46940 GHz	-47.85 dBm	-22.85 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18245 GHz	-44.83 dBm	-19.83 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.96125 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83026 GHz	-38.14 dBm	-13.14 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94513 GHz	-38.05 dBm	-13.05 dB

Date: 28.DEC.2019 11:05:43

Highest Channel / 16QAM



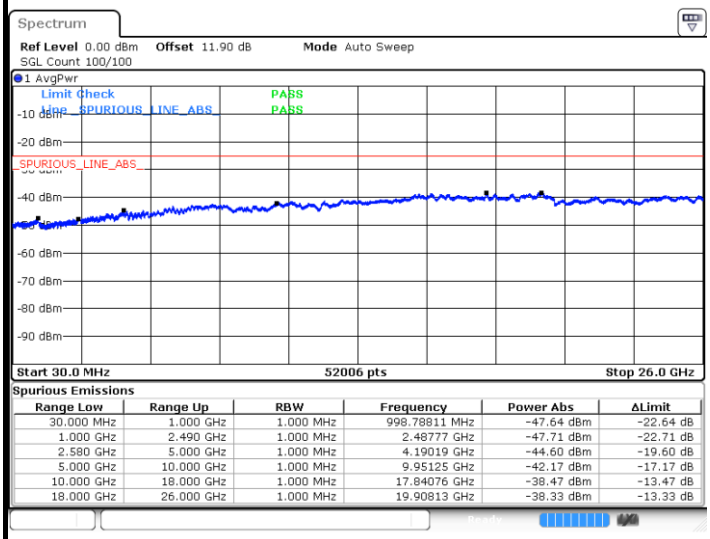
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-47.72 dBm	-22.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-47.97 dBm	-22.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20180 GHz	-44.61 dBm	-19.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54850 GHz	-42.28 dBm	-17.28 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83426 GHz	-38.42 dBm	-13.42 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94313 GHz	-37.99 dBm	-12.99 dB

Date: 28.DEC.2019 11:06:44

LTE Band 7 / 15MHz

Lowest Channel / QPSK

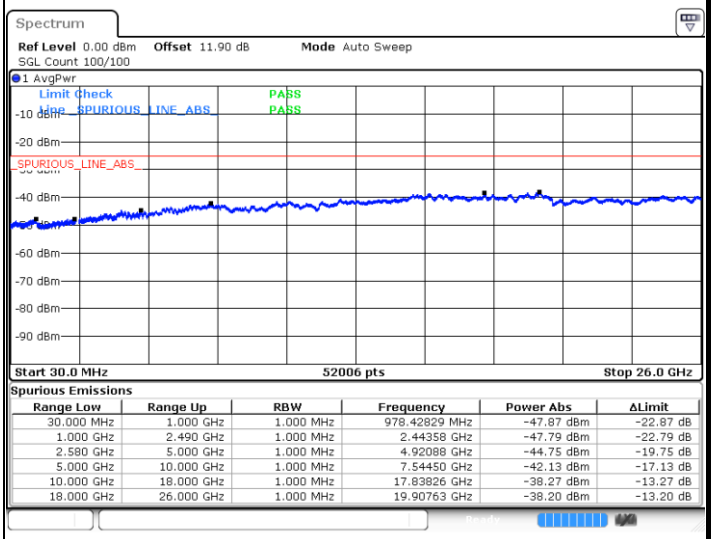


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-47.71 dBm	-22.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19019 GHz	-44.60 dBm	-19.60 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95125 GHz	-42.17 dBm	-17.17 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84076 GHz	-38.47 dBm	-13.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90813 GHz	-38.33 dBm	-13.33 dB

Date: 28.DEC.2019 11:29:42

Lowest Channel / 16QAM

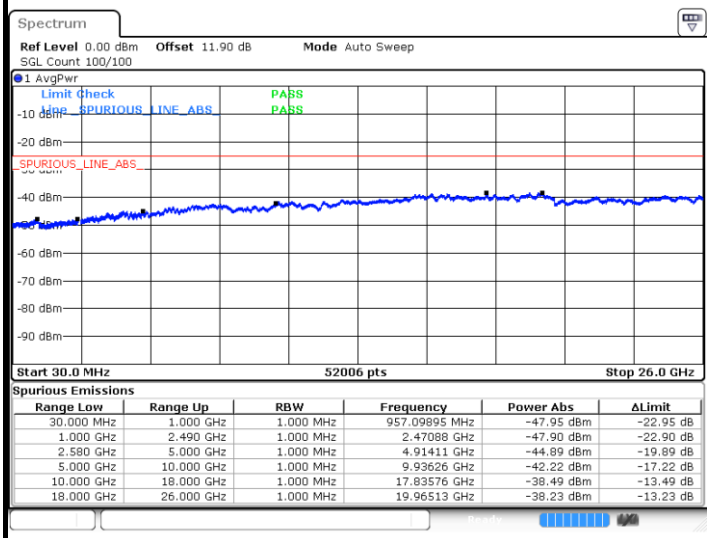


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.87 dBm	-22.87 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44358 GHz	-47.79 dBm	-22.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92088 GHz	-44.75 dBm	-19.75 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54450 GHz	-42.13 dBm	-17.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83826 GHz	-38.27 dBm	-13.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90763 GHz	-38.20 dBm	-13.20 dB

Date: 28.DEC.2019 11:30:42

Middle Channel / QPSK

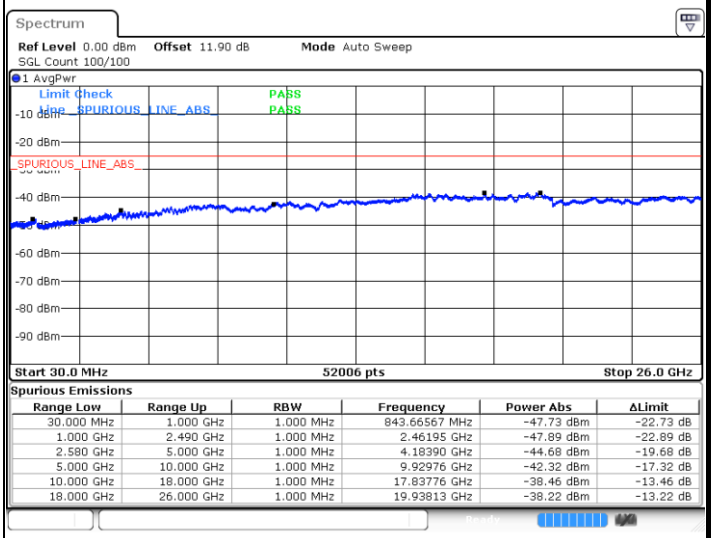


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-47.95 dBm	-22.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47088 GHz	-47.90 dBm	-22.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.91411 GHz	-44.89 dBm	-19.89 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93626 GHz	-42.22 dBm	-17.22 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83576 GHz	-38.49 dBm	-13.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.96513 GHz	-38.23 dBm	-13.23 dB

Date: 28.DEC.2019 11:32:28

Middle Channel / 16QAM



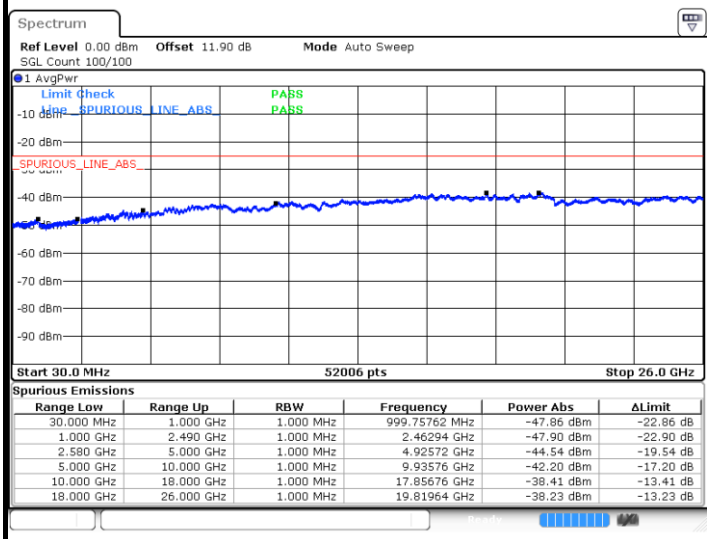
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	843.66567 MHz	-47.73 dBm	-22.73 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46195 GHz	-47.89 dBm	-22.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18390 GHz	-44.68 dBm	-19.68 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.92976 GHz	-42.32 dBm	-17.32 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83776 GHz	-38.46 dBm	-13.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93813 GHz	-38.22 dBm	-13.22 dB

Date: 28.DEC.2019 11:33:27

LTE Band7 / 15MHz

Highest Channel / QPSK

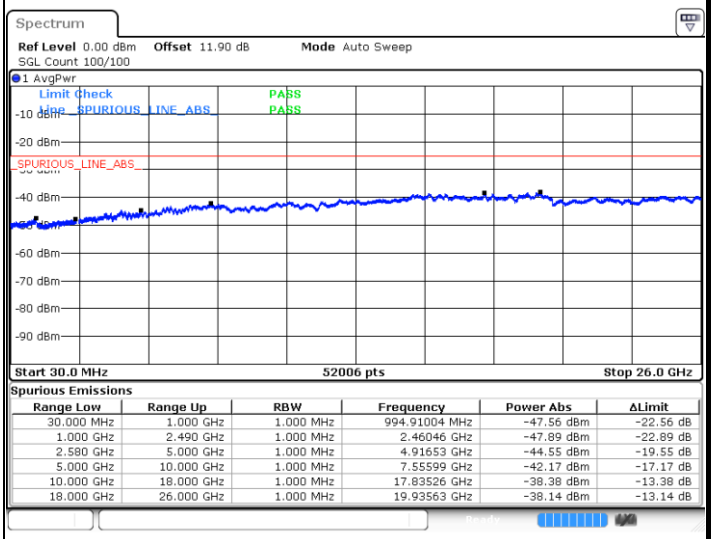


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-47.86 dBm	-22.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46294 GHz	-47.90 dBm	-22.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92572 GHz	-44.54 dBm	-19.54 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93576 GHz	-42.20 dBm	-17.20 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85676 GHz	-38.41 dBm	-13.41 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81964 GHz	-38.23 dBm	-13.23 dB

Date: 28.DEC.2019 11:40:41

Highest Channel / 16QAM



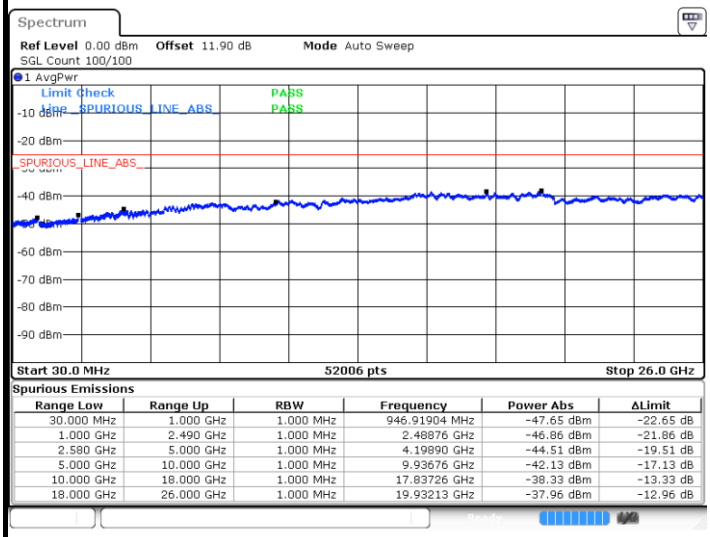
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-47.56 dBm	-22.56 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46046 GHz	-47.89 dBm	-22.89 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.91653 GHz	-44.55 dBm	-19.55 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55599 GHz	-42.17 dBm	-17.17 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83526 GHz	-38.38 dBm	-13.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93563 GHz	-38.14 dBm	-13.14 dB

Date: 28.DEC.2019 11:41:41

LTE Band 7 / 20MHz

Lowest Channel / QPSK

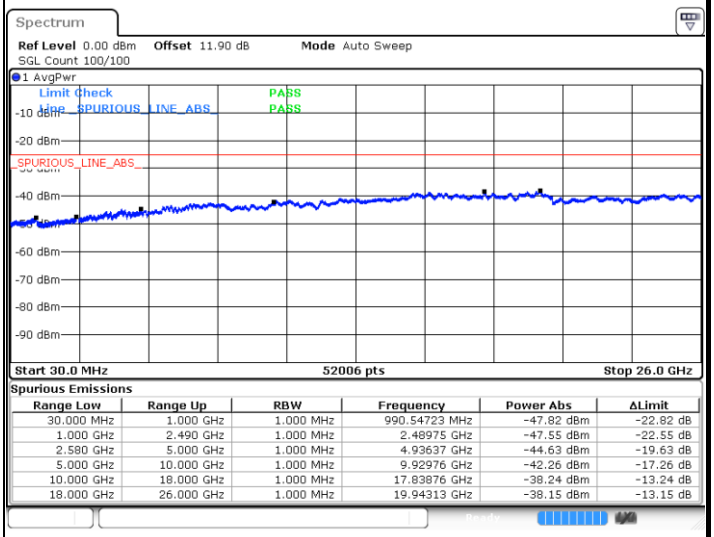


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-47.65 dBm	-22.65 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-46.86 dBm	-21.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19890 GHz	-44.51 dBm	-19.51 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93676 GHz	-42.13 dBm	-17.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83726 GHz	-38.33 dBm	-13.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93213 GHz	-37.96 dBm	-12.96 dB

Date: 28.DEC.2019 11:58:34

Lowest Channel / 16QAM



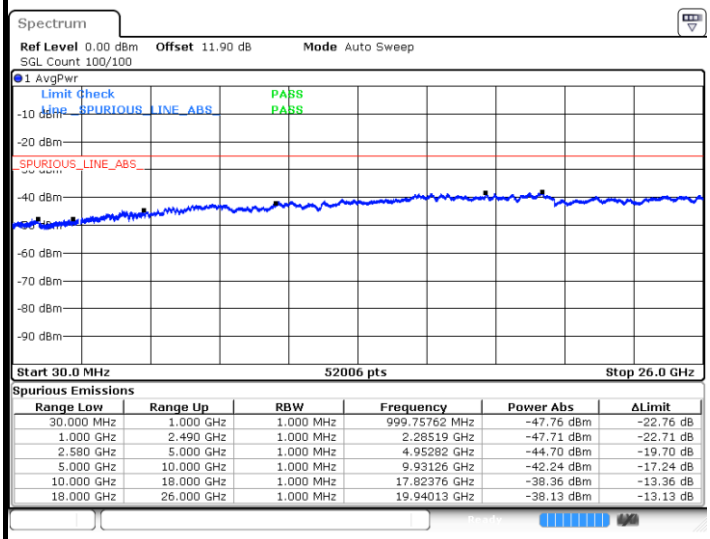
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-47.82 dBm	-22.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-47.55 dBm	-22.55 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93637 GHz	-44.63 dBm	-19.63 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.92976 GHz	-42.26 dBm	-17.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83876 GHz	-38.24 dBm	-13.24 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94313 GHz	-38.15 dBm	-13.15 dB

Date: 28.DEC.2019 11:59:34

LTE Band 7 / 20MHz

Middle Channel / QPSK

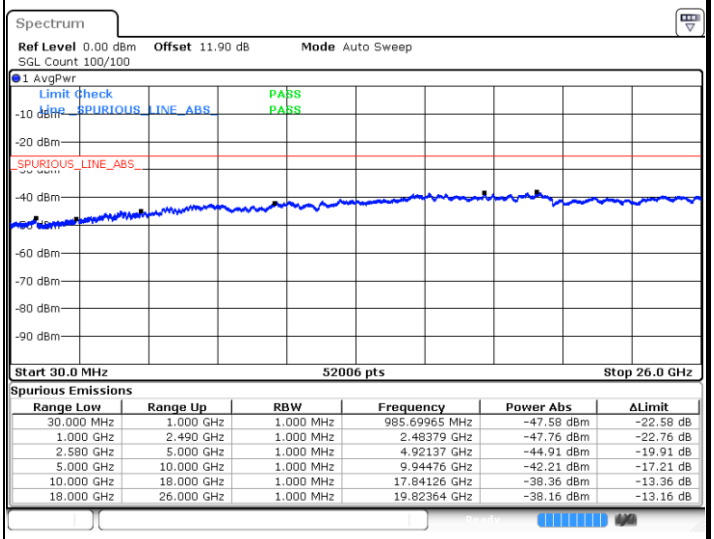


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.75762 MHz	-47.76 dBm	-22.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.28519 GHz	-47.71 dBm	-22.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95282 GHz	-44.70 dBm	-19.70 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93126 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.82376 GHz	-38.36 dBm	-13.36 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94013 GHz	-38.13 dBm	-13.13 dB

Date: 28.DEC.2019 12:01:20

Middle Channel / 16QAM

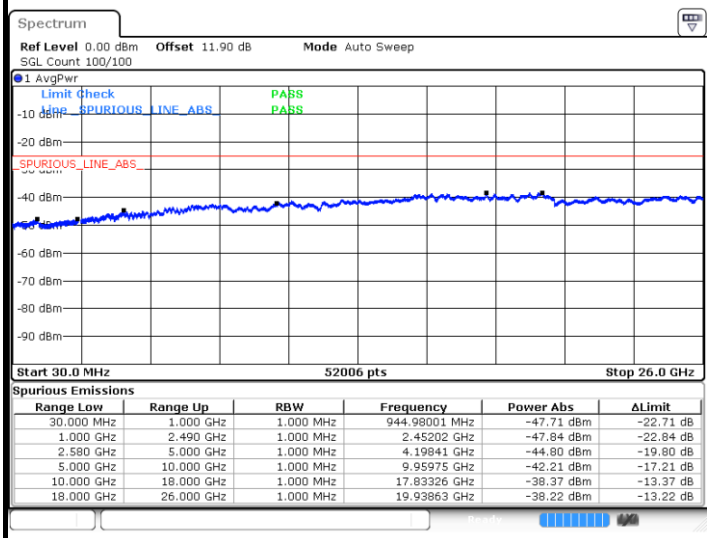


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.69965 MHz	-47.58 dBm	-22.58 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-47.76 dBm	-22.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92137 GHz	-44.91 dBm	-19.91 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94476 GHz	-42.21 dBm	-17.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84126 GHz	-38.36 dBm	-13.36 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82364 GHz	-38.16 dBm	-13.16 dB

Date: 28.DEC.2019 12:02:19

Highest Channel / QPSK

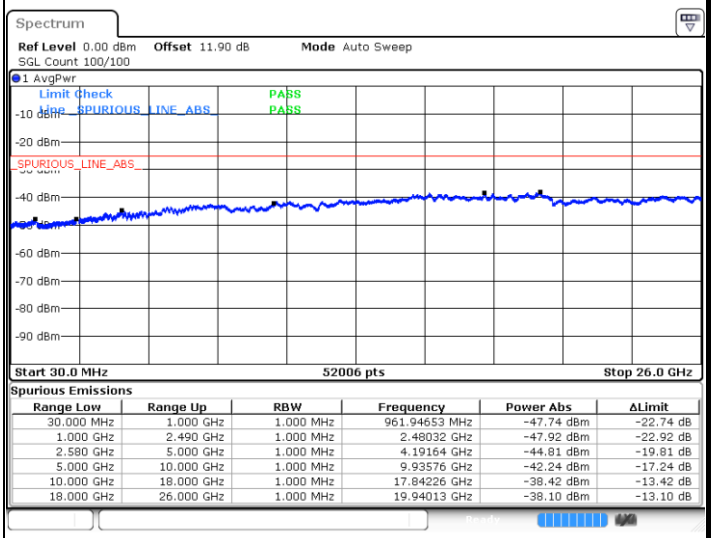


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.98001 MHz	-47.71 dBm	-22.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45202 GHz	-47.84 dBm	-22.84 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19841 GHz	-44.80 dBm	-19.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95975 GHz	-42.21 dBm	-17.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83326 GHz	-38.37 dBm	-13.37 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93863 GHz	-38.22 dBm	-13.22 dB

Date: 28.DEC.2019 12:09:33

Highest Channel / 16QAM



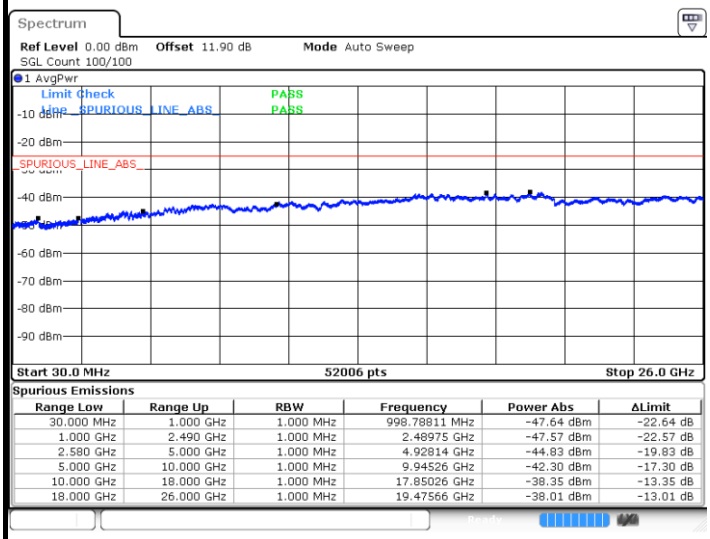
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-47.74 dBm	-22.74 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48032 GHz	-47.92 dBm	-22.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19164 GHz	-44.81 dBm	-19.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93576 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84226 GHz	-38.42 dBm	-13.42 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.94013 GHz	-38.10 dBm	-13.10 dB

Date: 28.DEC.2019 12:10:33

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

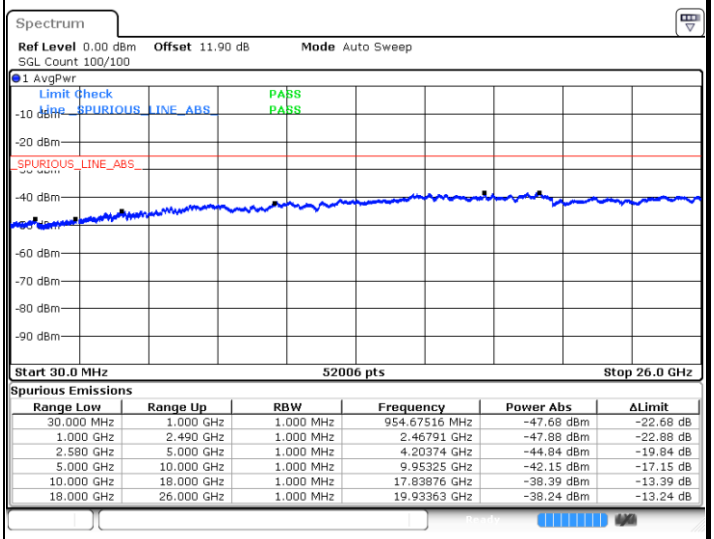


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-47.57 dBm	-22.57 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92814 GHz	-44.83 dBm	-19.83 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94526 GHz	-42.30 dBm	-17.30 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85026 GHz	-38.35 dBm	-13.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.47566 GHz	-38.01 dBm	-13.01 dB

Date: 28.DEC.2019 10:42:01

Middle Channel / 64QAM

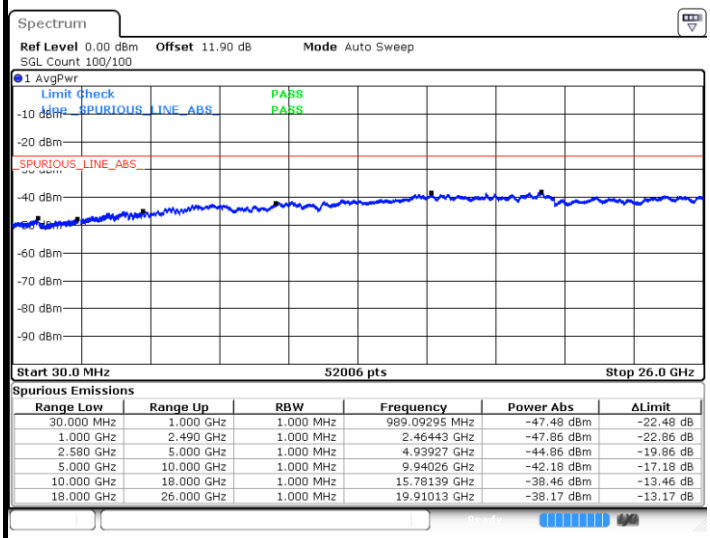


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-47.68 dBm	-22.68 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46791 GHz	-47.88 dBm	-22.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20374 GHz	-44.84 dBm	-19.84 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95325 GHz	-42.15 dBm	-17.15 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83876 GHz	-38.39 dBm	-13.39 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93363 GHz	-38.24 dBm	-13.24 dB

Date: 28.DEC.2019 10:43:23

Highest Channel / 64QAM



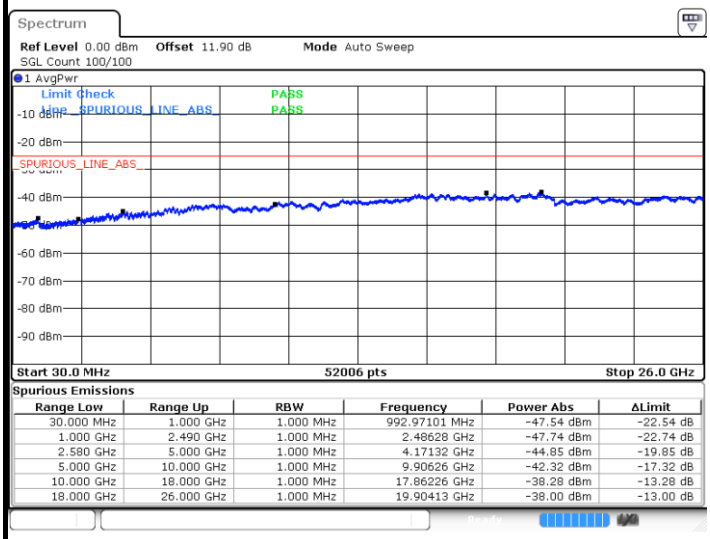
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-47.48 dBm	-22.48 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46443 GHz	-47.86 dBm	-22.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93927 GHz	-44.86 dBm	-19.86 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94026 GHz	-42.18 dBm	-17.18 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.78139 GHz	-38.46 dBm	-13.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91013 GHz	-38.17 dBm	-13.17 dB

Date: 28.DEC.2019 10:47:30

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

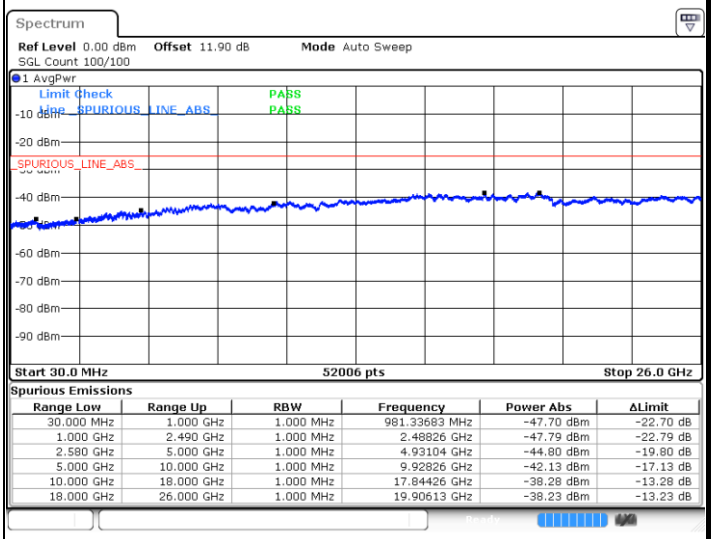


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-47.54 dBm	-22.54 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-47.74 dBm	-22.74 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.17132 GHz	-44.85 dBm	-19.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.90626 GHz	-42.32 dBm	-17.32 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86226 GHz	-38.28 dBm	-13.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90413 GHz	-38.00 dBm	-13.00 dB

Date: 28.DEC.2019 11:10:50

Middle Channel / 64QAM

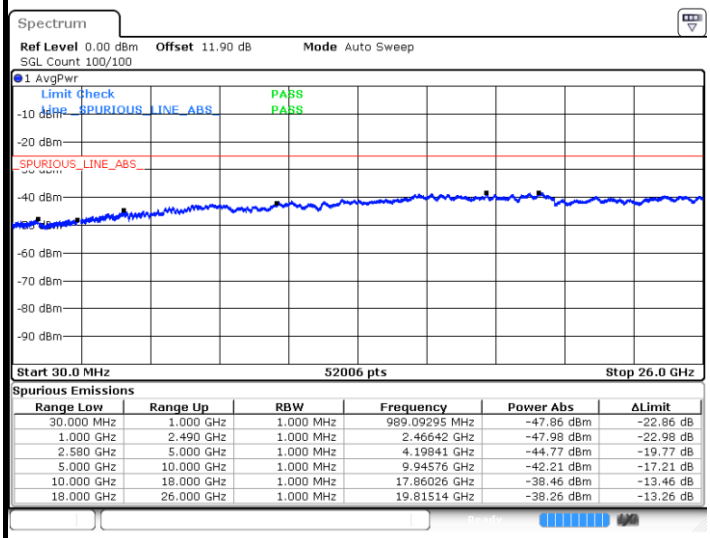


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-47.70 dBm	-22.70 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-47.79 dBm	-22.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93104 GHz	-44.80 dBm	-19.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.92826 GHz	-42.13 dBm	-17.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84426 GHz	-38.28 dBm	-13.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90613 GHz	-38.23 dBm	-13.23 dB

Date: 28.DEC.2019 11:18:19

Highest Channel / 64QAM



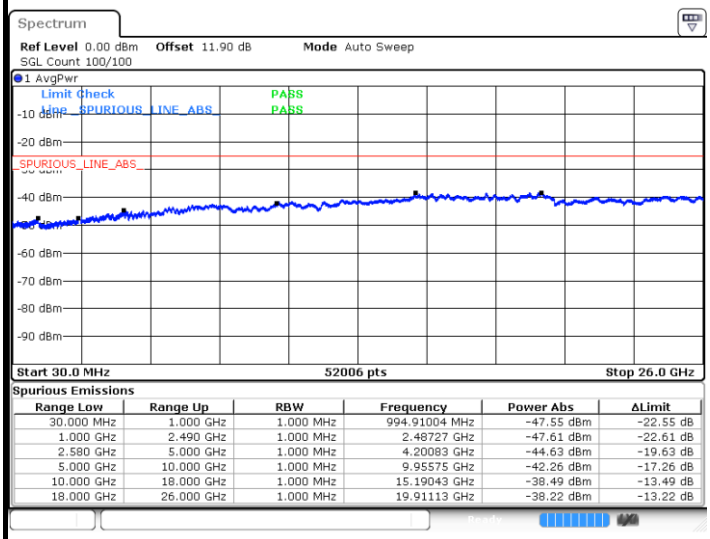
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-47.86 dBm	-22.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46642 GHz	-47.98 dBm	-22.98 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19841 GHz	-44.77 dBm	-19.77 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94576 GHz	-42.21 dBm	-17.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86026 GHz	-38.46 dBm	-13.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81514 GHz	-38.26 dBm	-13.26 dB

Date: 28.DEC.2019 11:22:26

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

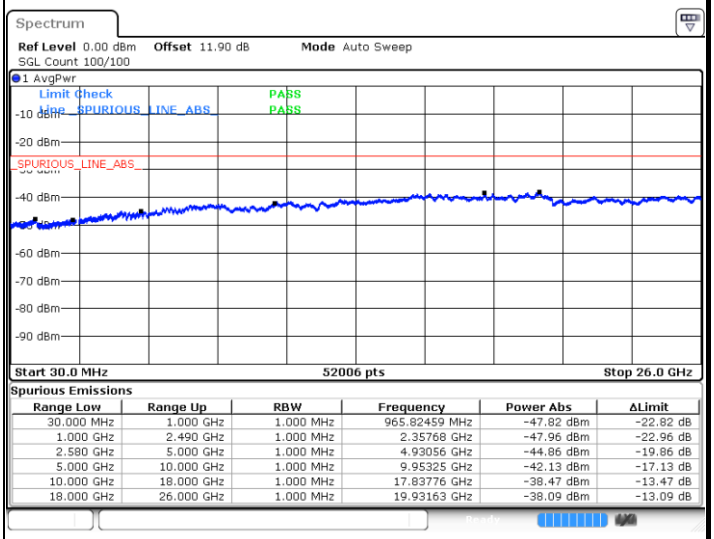


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.91004 MHz	-47.55 dBm	-22.55 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48727 GHz	-47.61 dBm	-22.61 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20083 GHz	-44.63 dBm	-19.63 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95575 GHz	-42.26 dBm	-17.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.19043 GHz	-38.49 dBm	-13.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.91113 GHz	-38.22 dBm	-13.22 dB

Date: 28.DEC.2019 11:45:49

Middle Channel / 64QAM

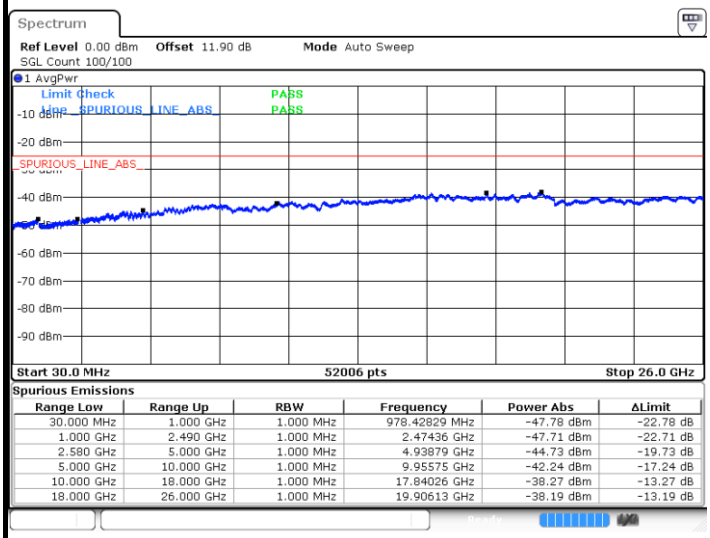


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.82459 MHz	-47.82 dBm	-22.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.35768 GHz	-47.96 dBm	-22.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93056 GHz	-44.86 dBm	-19.86 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95325 GHz	-42.13 dBm	-17.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83776 GHz	-38.47 dBm	-13.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93163 GHz	-38.09 dBm	-13.09 dB

Date: 28.DEC.2019 11:47:11

Highest Channel / 64QAM



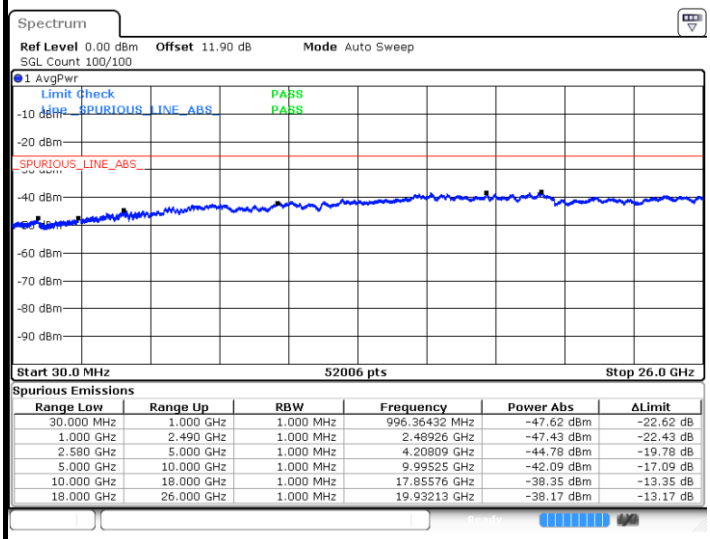
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.78 dBm	-22.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47436 GHz	-47.71 dBm	-22.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93879 GHz	-44.73 dBm	-19.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95575 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84026 GHz	-38.27 dBm	-13.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90613 GHz	-38.19 dBm	-13.19 dB

Date: 28.DEC.2019 11:51:18

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

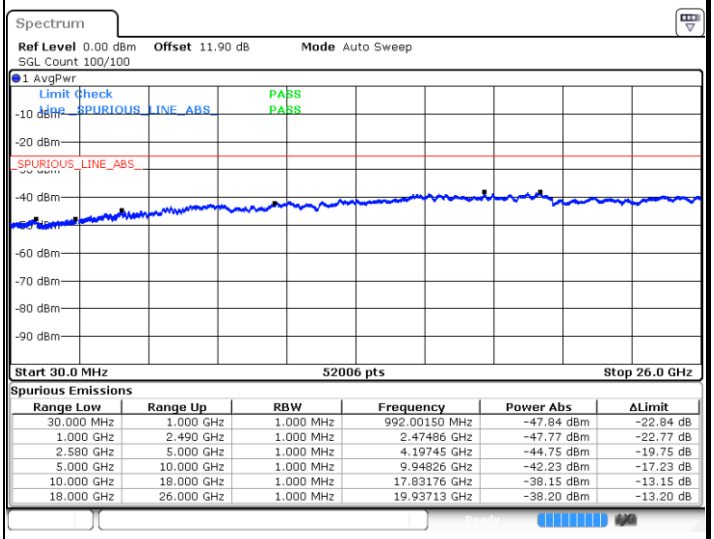


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-47.62 dBm	-22.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-47.43 dBm	-22.43 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20809 GHz	-44.78 dBm	-19.78 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.99525 GHz	-42.09 dBm	-17.09 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85576 GHz	-38.35 dBm	-13.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93213 GHz	-38.17 dBm	-13.17 dB

Date: 28.DEC.2019 12:14:40

Middle Channel / 64QAM

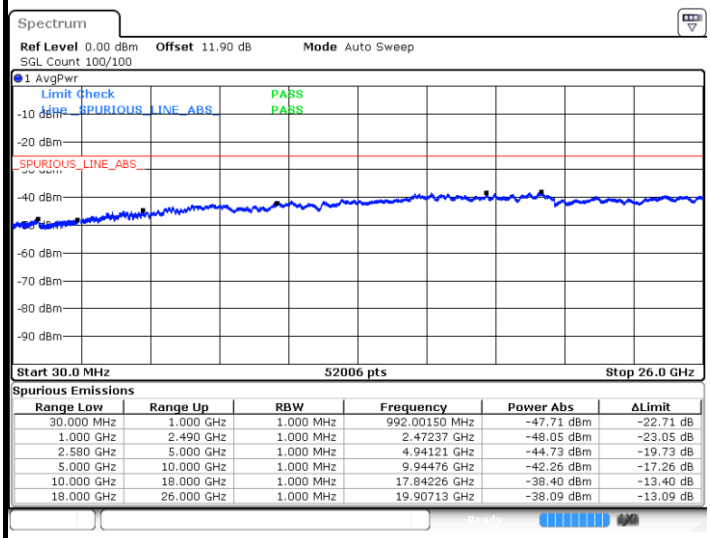


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.00150 MHz	-47.84 dBm	-22.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47486 GHz	-47.77 dBm	-22.77 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19745 GHz	-44.75 dBm	-19.75 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94826 GHz	-42.23 dBm	-17.23 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83176 GHz	-38.15 dBm	-13.15 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.93713 GHz	-38.20 dBm	-13.20 dB

Date: 28.DEC.2019 12:16:03

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.00150 MHz	-47.71 dBm	-22.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47237 GHz	-48.05 dBm	-23.05 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94121 GHz	-44.73 dBm	-19.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94476 GHz	-42.26 dBm	-17.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84226 GHz	-38.40 dBm	-13.40 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.90713 GHz	-38.09 dBm	-13.09 dB

Date: 28.DEC.2019 12:20:10

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	0.0009	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.65 V.；Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

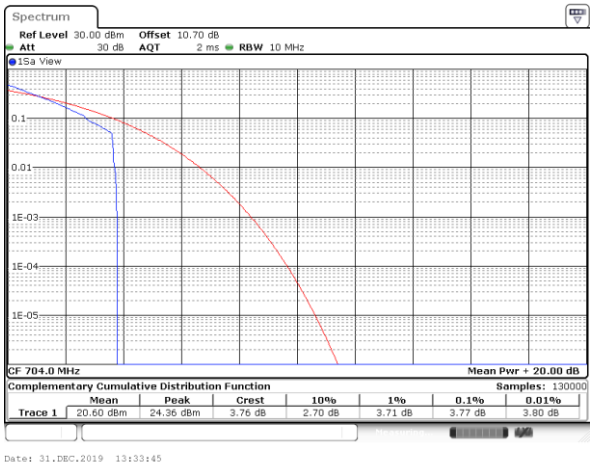
LTE Band 12

Peak-to-Average Ratio

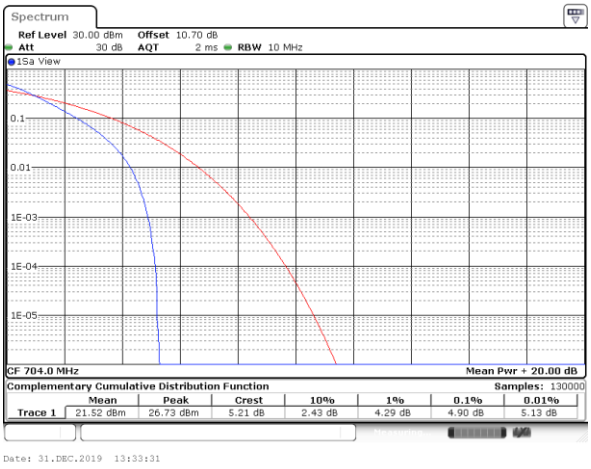
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.77	4.90	4.49	5.80	PASS
Middle CH	3.59	4.84	5.36	5.88	
Highest CH	3.51	4.90	5.04	5.77	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.71	6.35	-	-	PASS
Middle CH	6.64	6.35	-	-	
Highest CH	6.43	6.17	-	-	

LTE Band 12 / 10MHz / QPSK

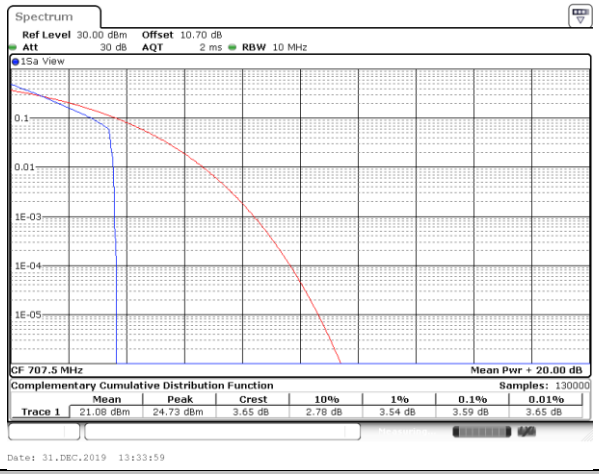
Lowest Channel / 1RB



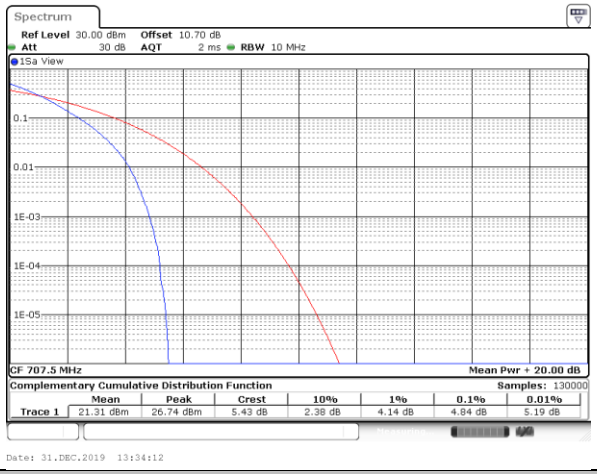
Lowest Channel / Full RB



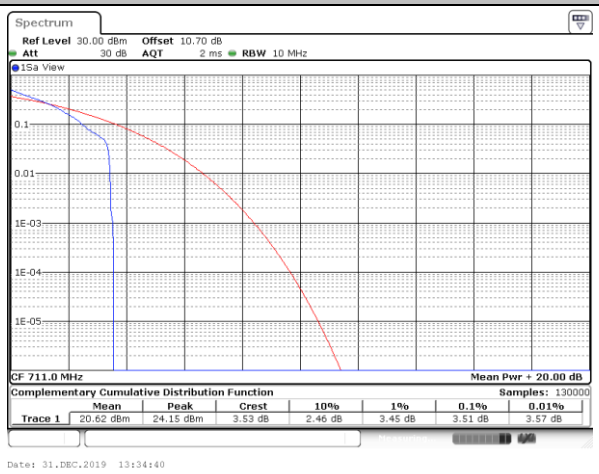
Middle Channel / 1RB



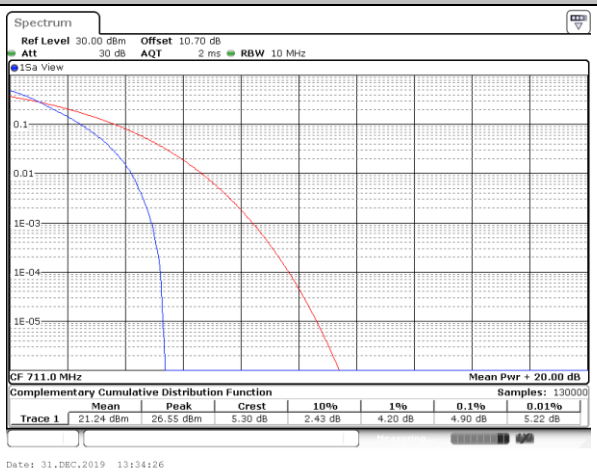
Middle Channel / Full RB



Highest Channel / 1RB

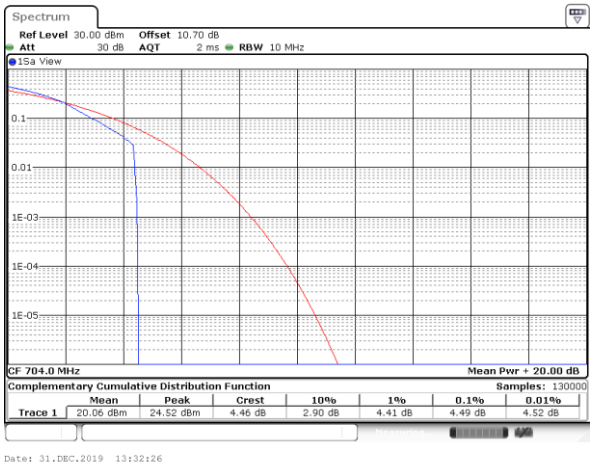


Highest Channel / Full RB

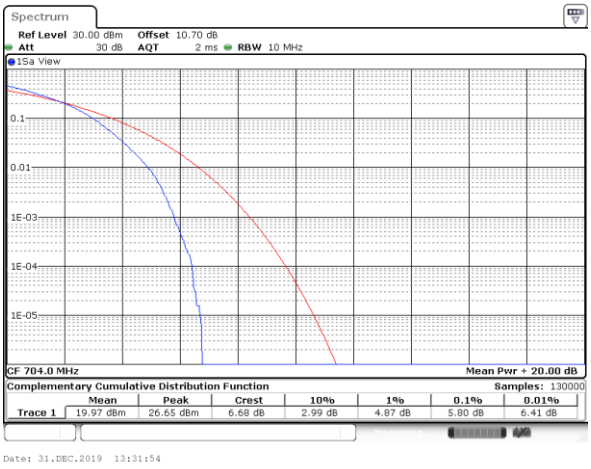


LTE Band 12 / 10MHz / 16QAM

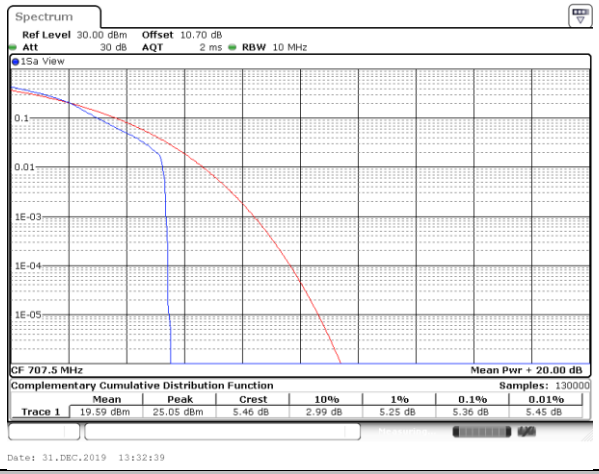
Lowest Channel / 1RB



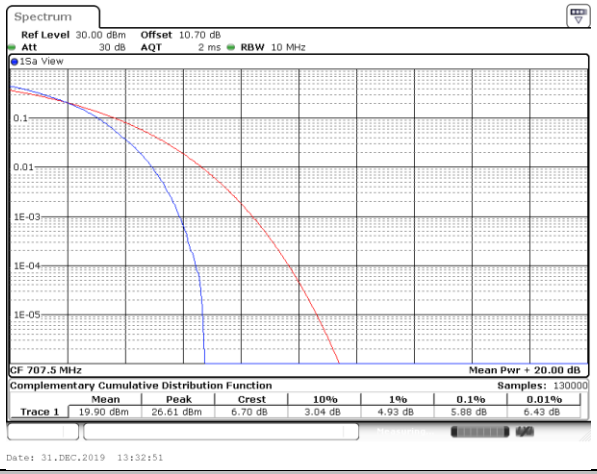
Lowest Channel / Full RB



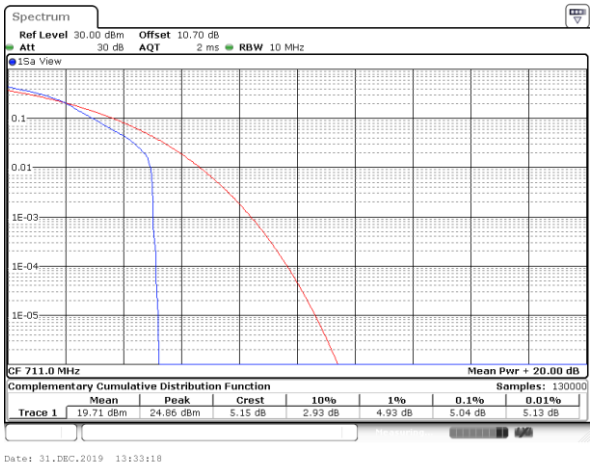
Middle Channel / 1RB



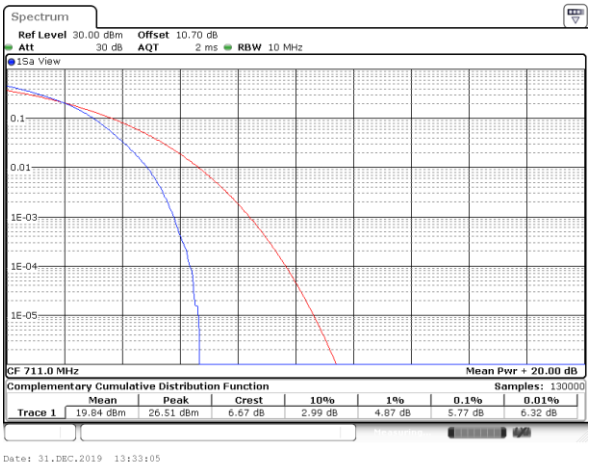
Middle Channel / Full RB



Highest Channel / 1RB

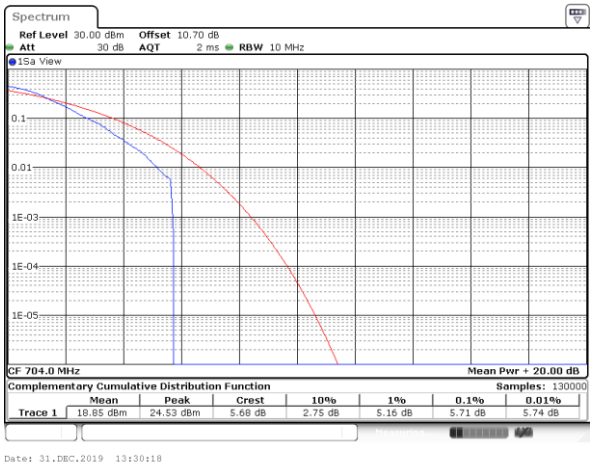


Highest Channel / Full RB

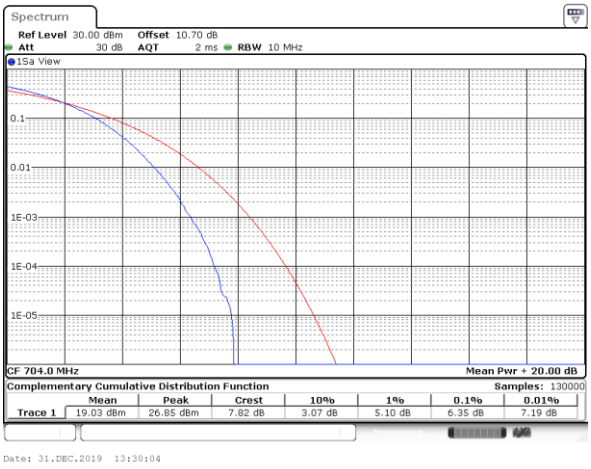


LTE Band 12 / 10MHz / 64QAM

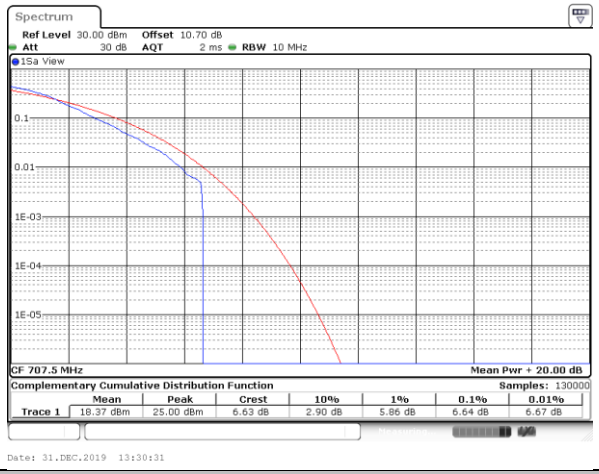
Lowest Channel / 1RB



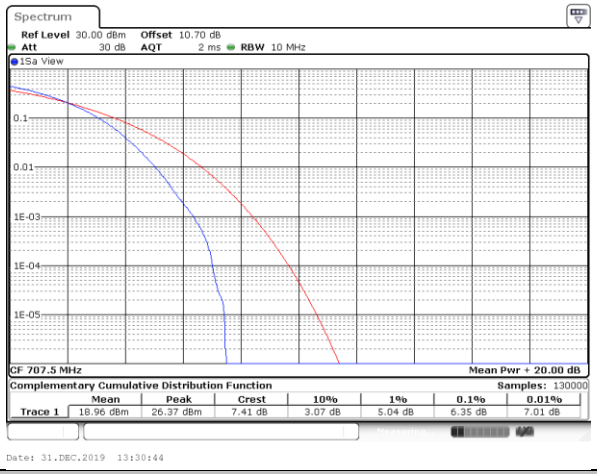
Lowest Channel / Full RB



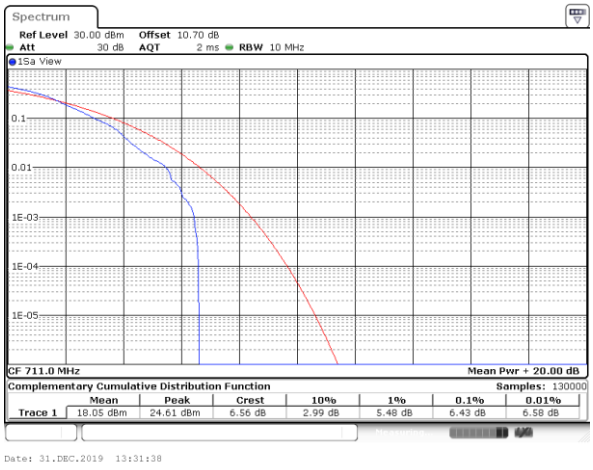
Middle Channel / 1RB



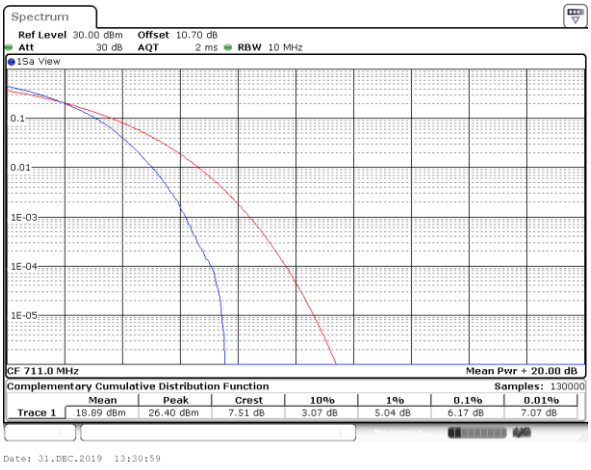
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

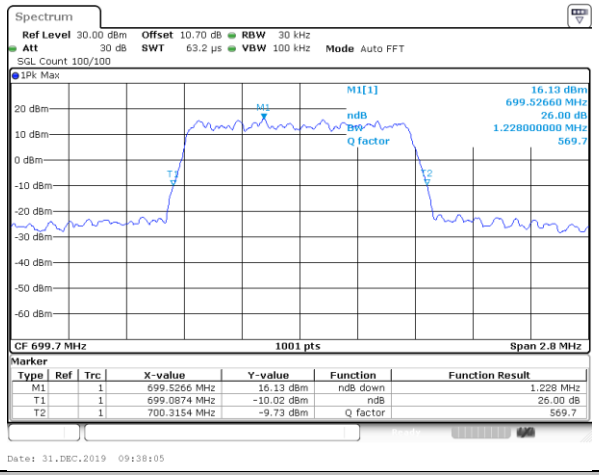


26dB Bandwidth

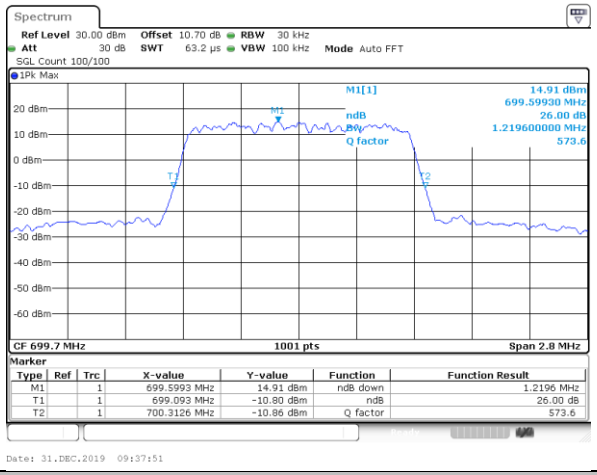
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.22	3.03	3.02	4.94	4.85	9.65	9.71	-	-	-	-
Middle CH	1.23	1.23	3.00	3.03	4.78	4.90	9.73	9.73	-	-	-	-
Highest CH	1.22	1.23	3.02	3.00	4.90	4.91	9.61	9.75	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.24	-	3.03	-	4.87	-	9.75	-	-	-	-	-
Middle CH	1.21	-	3.04	-	4.87	-	9.71	-	-	-	-	-
Highest CH	1.22	-	3.04	-	4.88	-	9.85	-	-	-	-	-

LTE Band 12

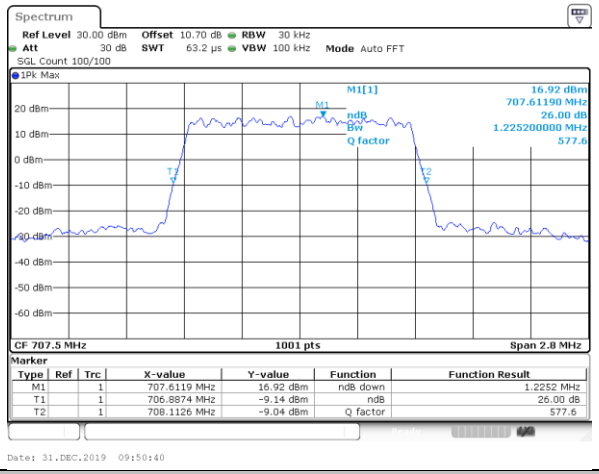
Lowest Channel / 1.4MHz / QPSK



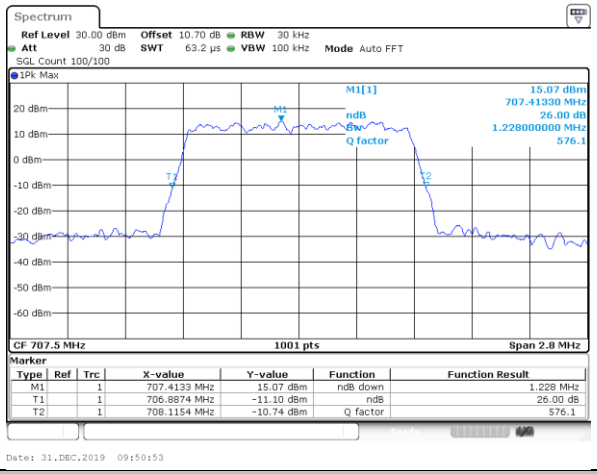
Lowest Channel / 1.4MHz / 16QAM



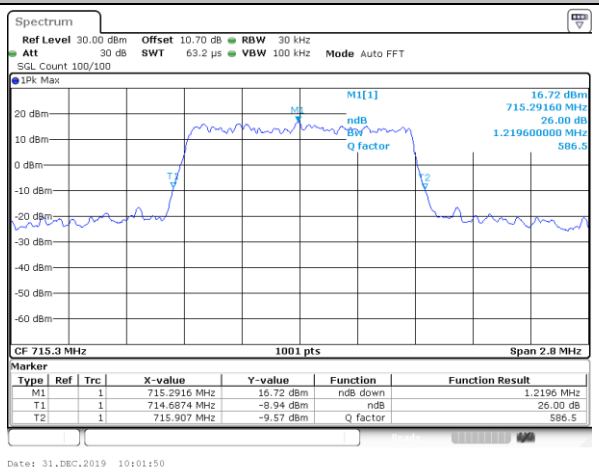
Middle Channel / 1.4MHz / QPSK



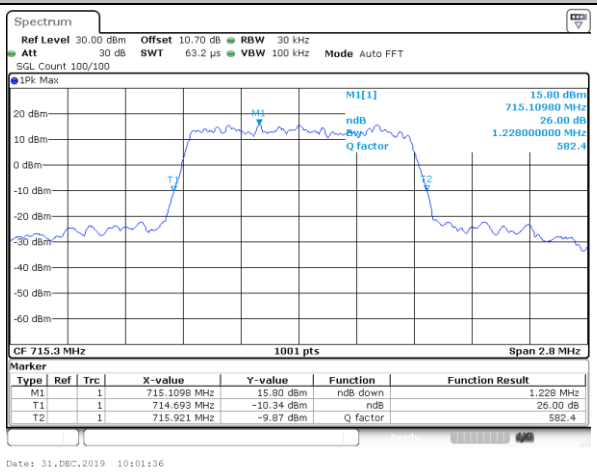
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

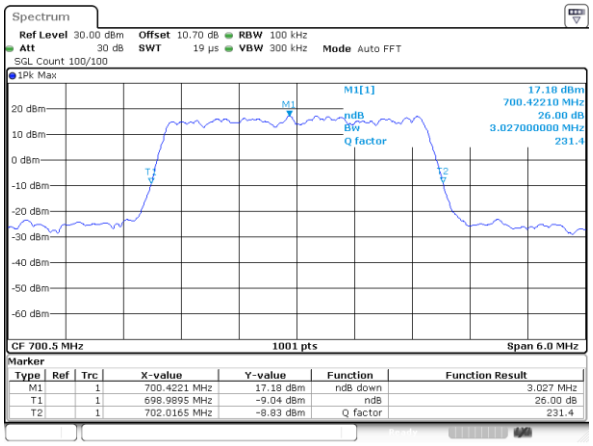


Highest Channel / 1.4MHz / 16QAM

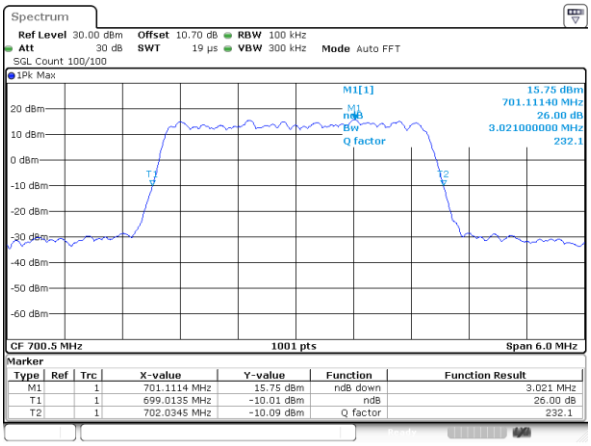


LTE Band 12

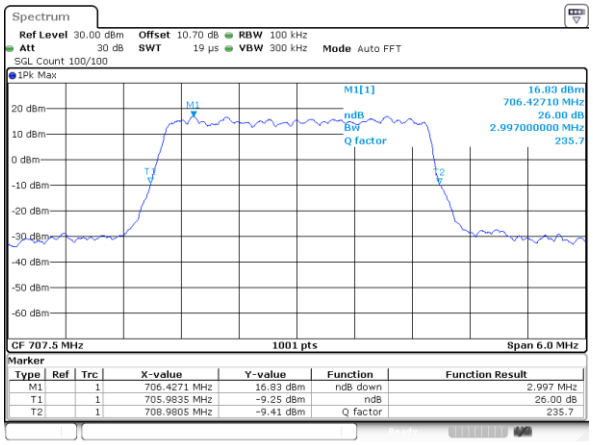
Lowest Channel / 3MHz / QPSK



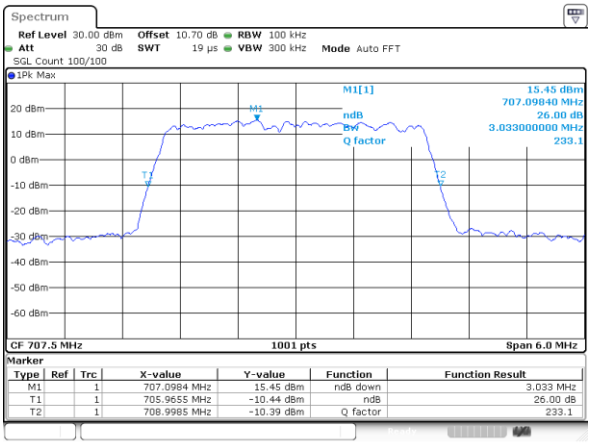
Lowest Channel / 3MHz / 16QAM



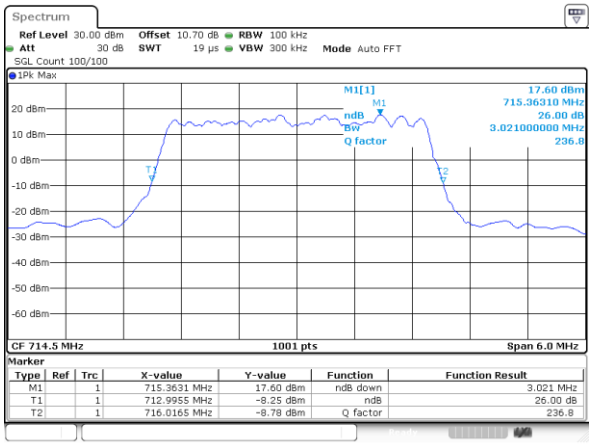
Middle Channel / 3MHz / QPSK



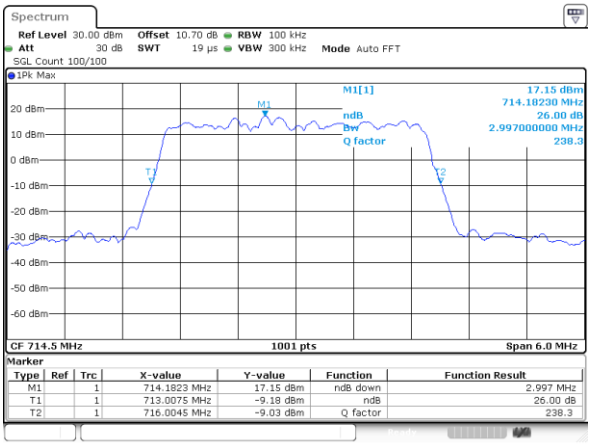
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

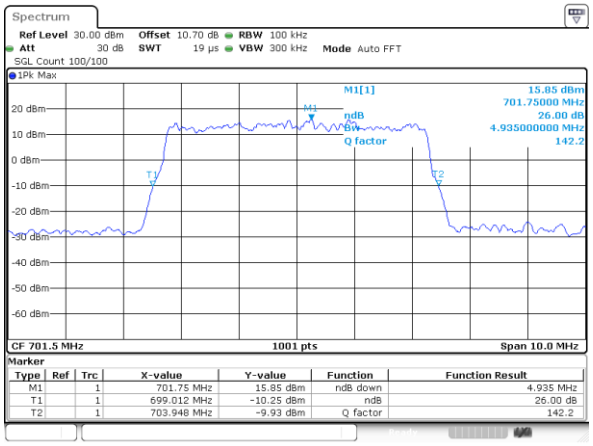


Highest Channel / 3MHz / 16QAM

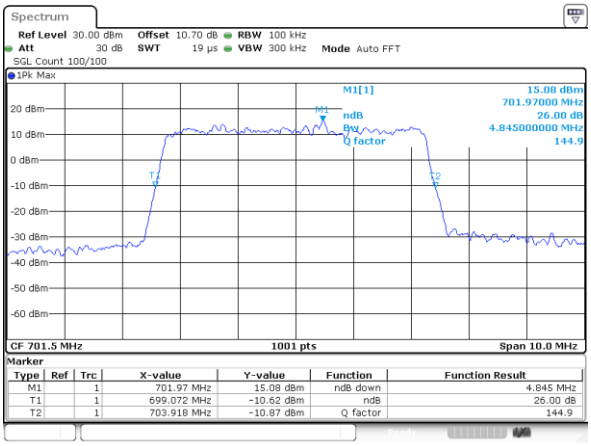


LTE Band 12

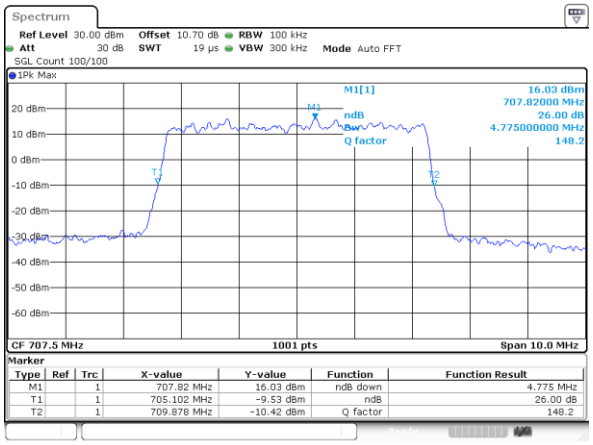
Lowest Channel / 5MHz / QPSK



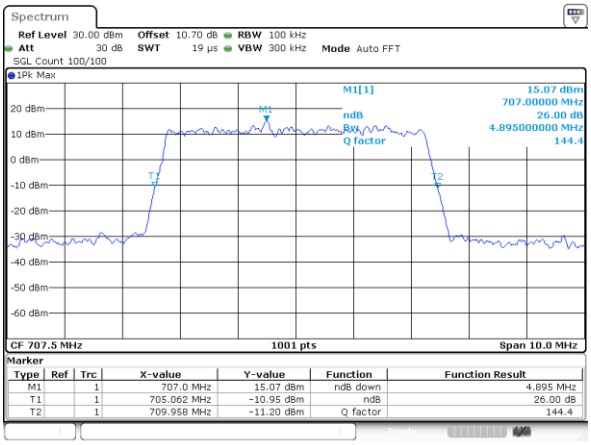
Lowest Channel / 5MHz / 16QAM



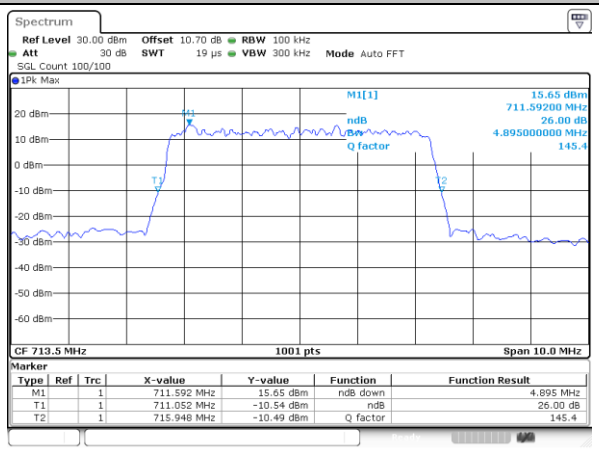
Middle Channel / 5MHz / QPSK



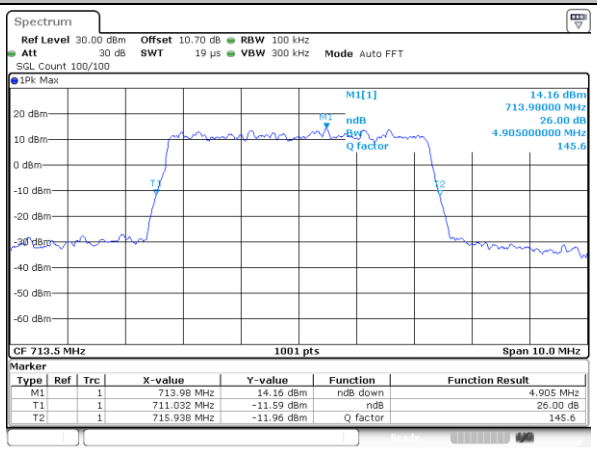
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

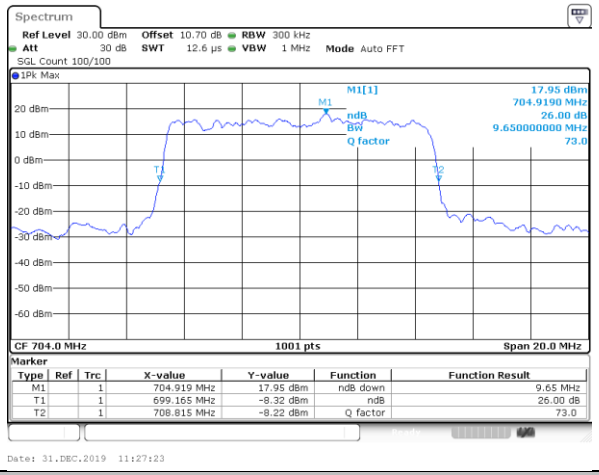


Highest Channel / 5MHz / 16QAM

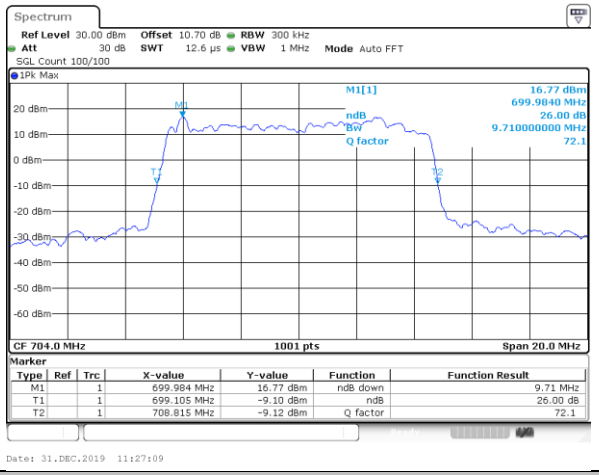


LTE Band 12

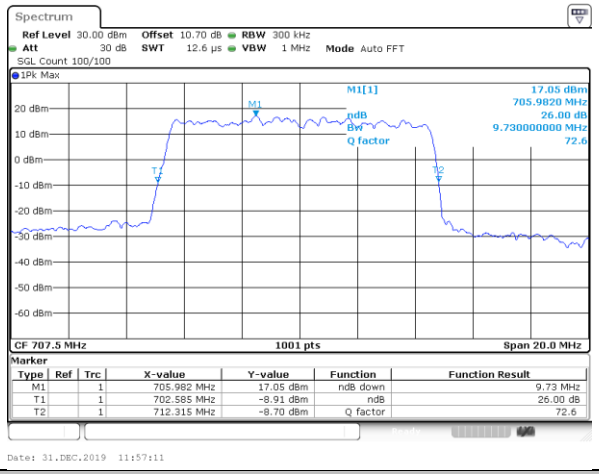
Lowest Channel / 10MHz / QPSK



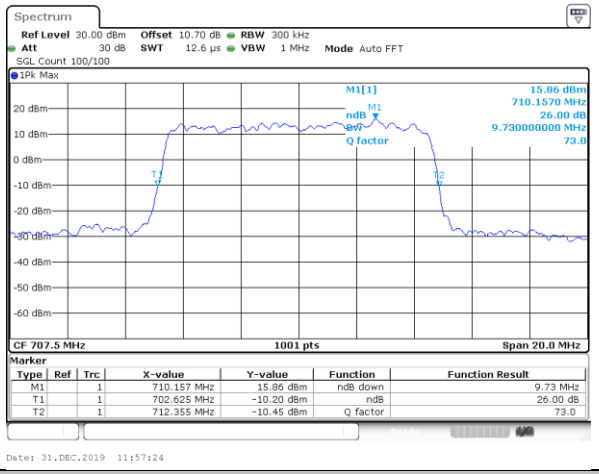
Lowest Channel / 10MHz / 16QAM



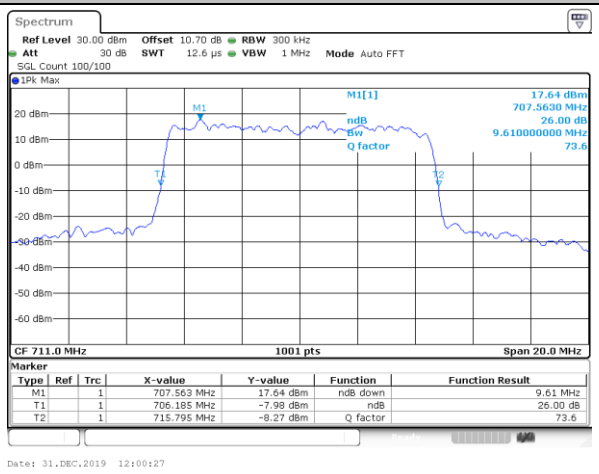
Middle Channel / 10MHz / QPSK



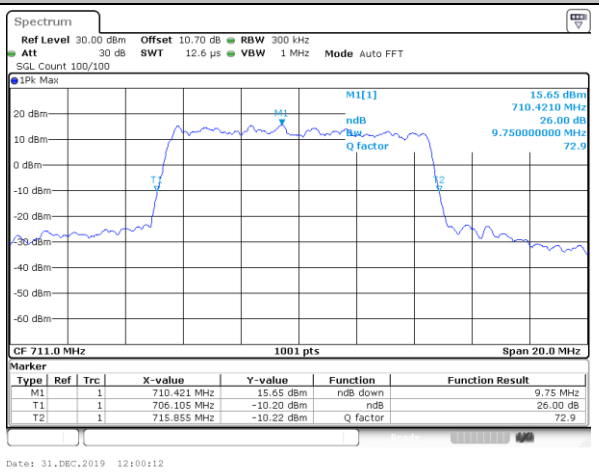
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

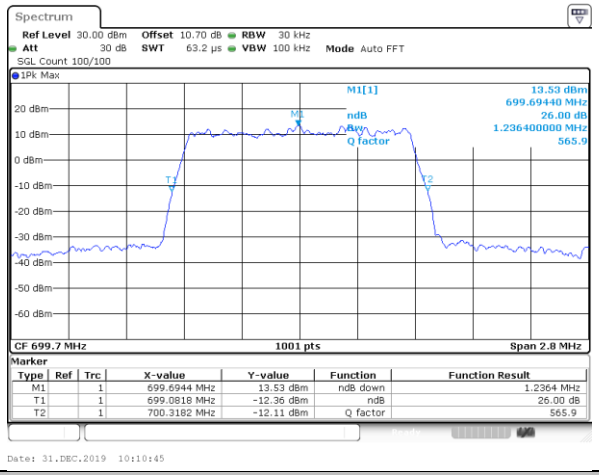


Highest Channel / 10MHz / 16QAM

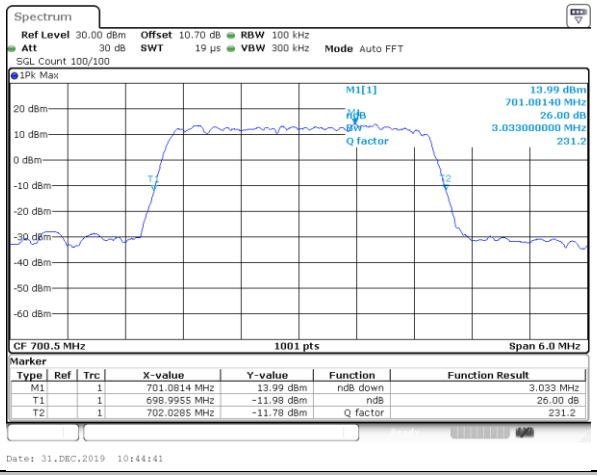


LTE Band 12

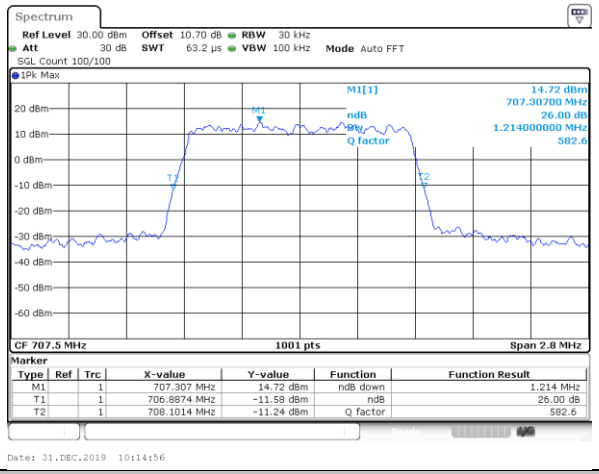
Lowest Channel / 1.4MHz / 64QAM



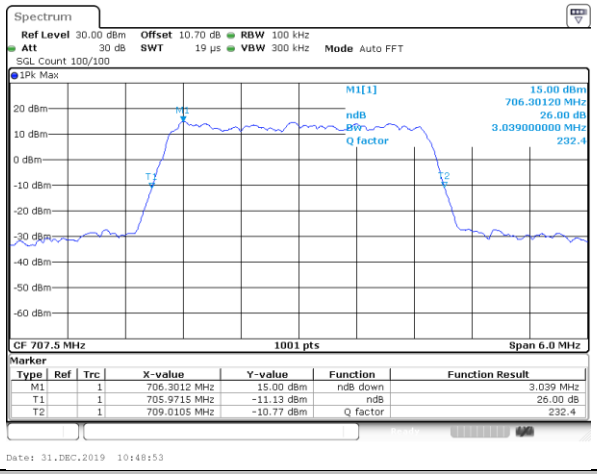
Lowest Channel / 3MHz / 64QAM



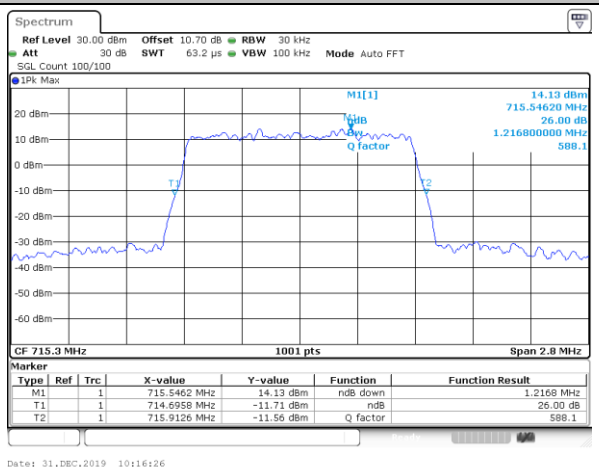
Middle Channel / 1.4MHz / 64QAM



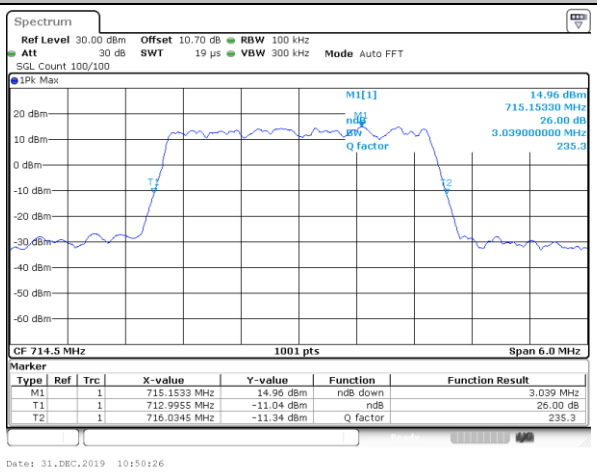
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

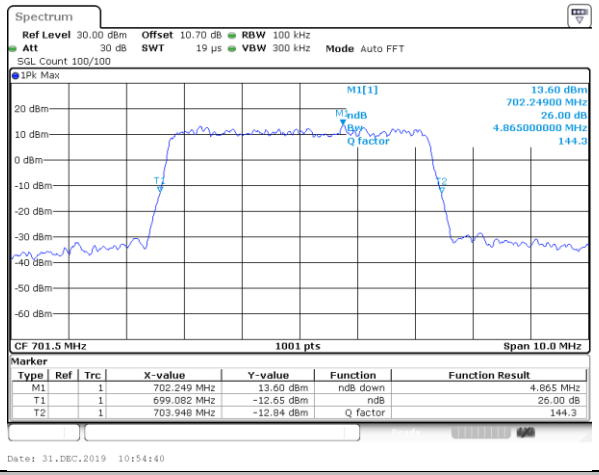


Highest Channel / 3MHz / 64QAM

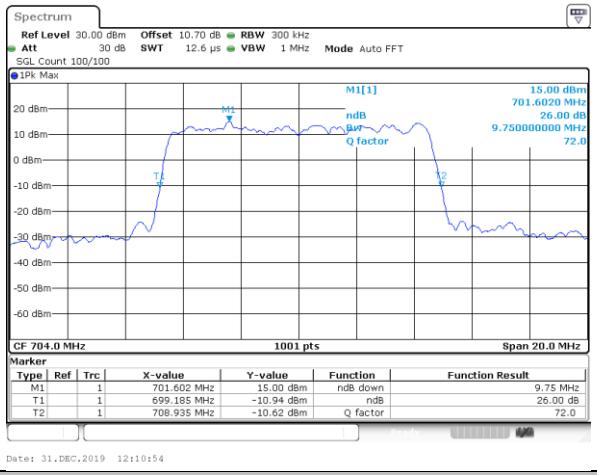


LTE Band 12

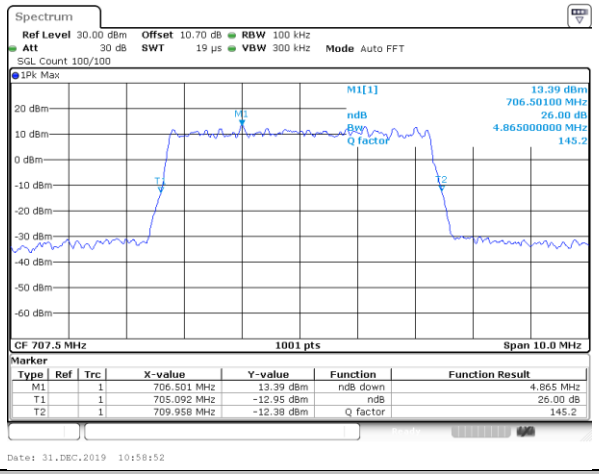
Lowest Channel / 5MHz / 64QAM



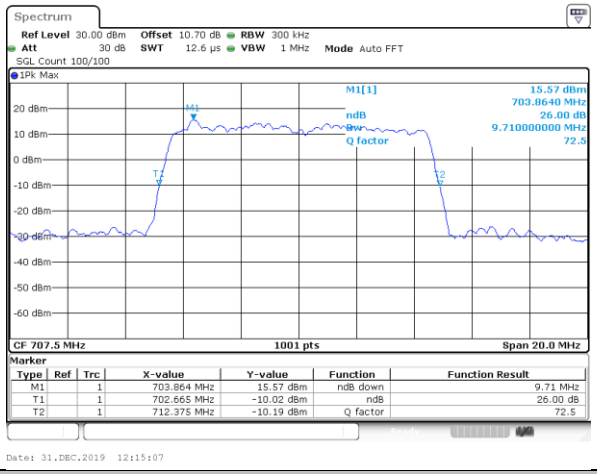
Lowest Channel / 10MHz / 64QAM



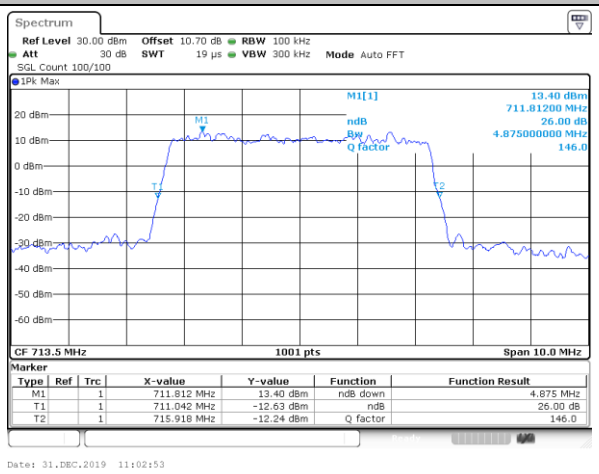
Middle Channel / 5MHz / 64QAM



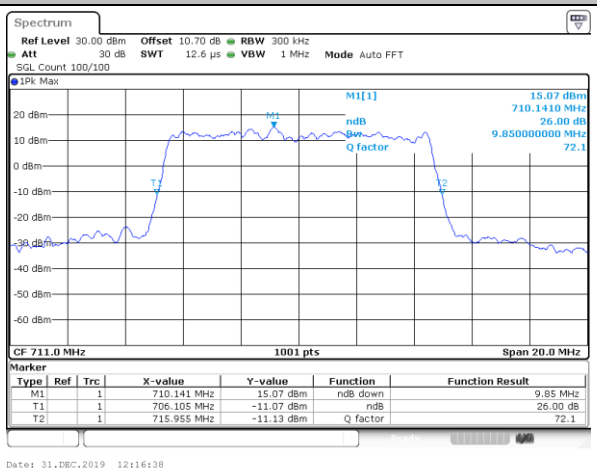
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

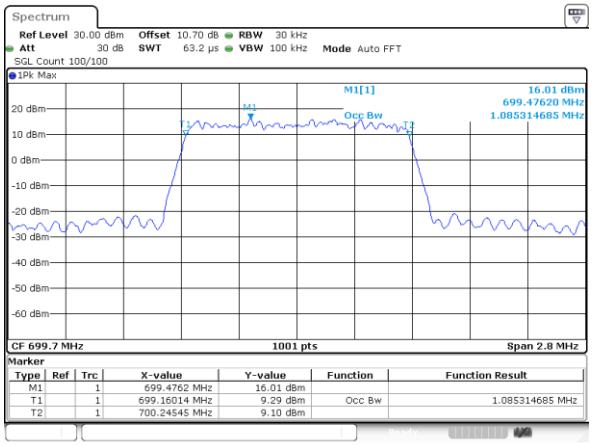


Occupied Bandwidth

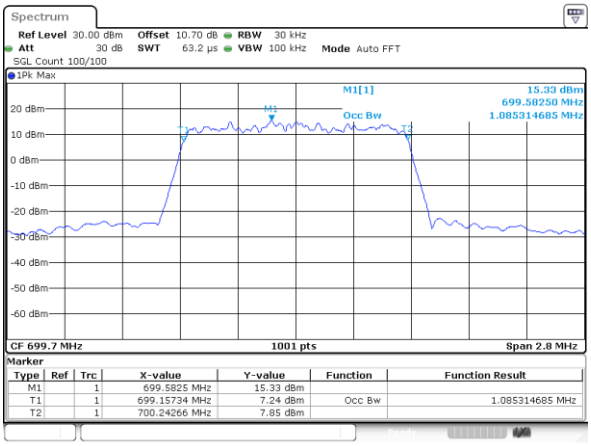
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.70	4.49	4.50	9.03	9.01	-	-	-	-
Middle CH	1.09	1.10	2.70	2.69	4.50	4.51	9.03	8.99	-	-	-	-
Highest CH	1.09	1.09	2.73	2.73	4.51	4.49	9.03	9.01	-	-	-	-
Mode	LTE Band 12 : 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	-	9.01	-	-	-	-	-
Middle CH	1.09	-	2.70	-	4.49	-	8.99	-	-	-	-	-
Highest CH	1.08	-	2.72	-	4.48	-	9.07	-	-	-	-	-

LTE Band 12

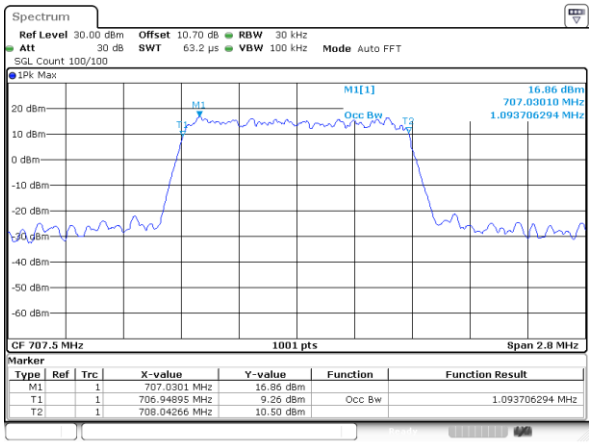
Lowest Channel / 1.4MHz / QPSK



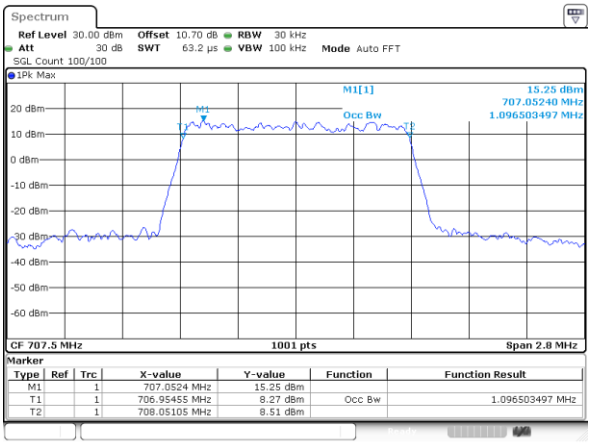
Lowest Channel / 1.4MHz / 16QAM



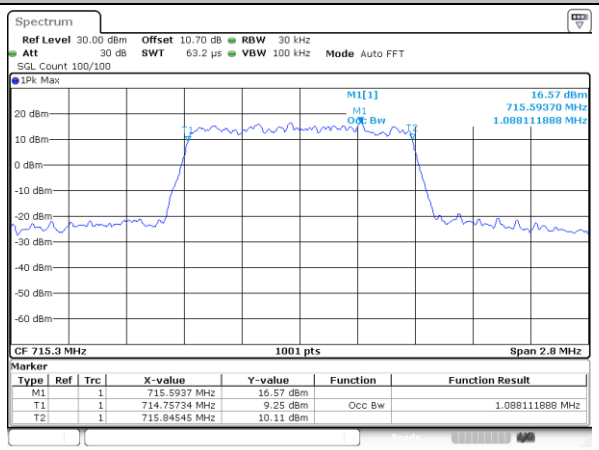
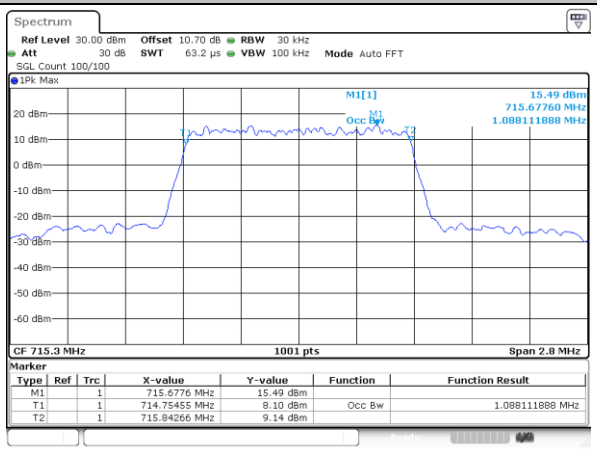
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM