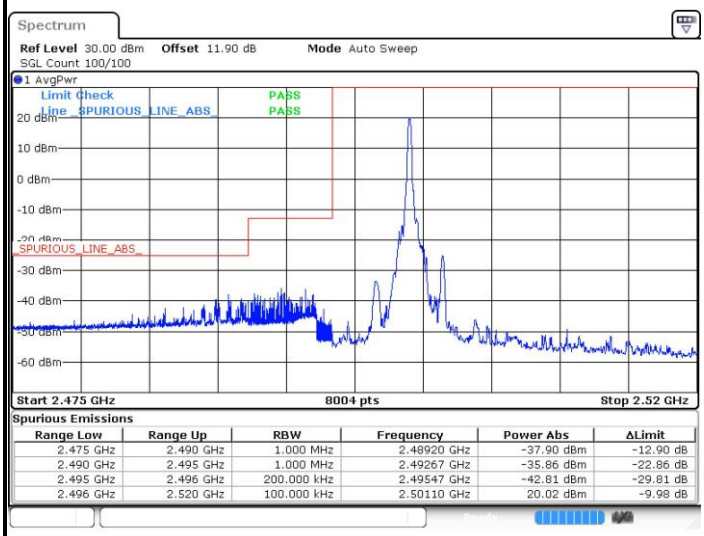
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

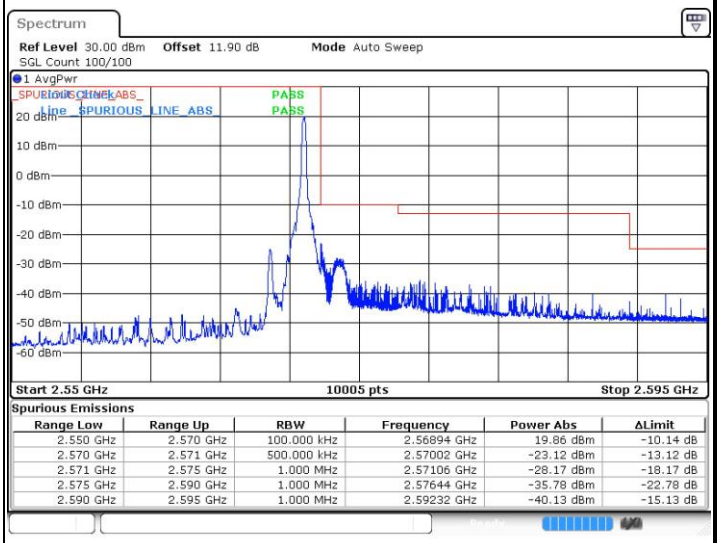


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48920 GHz	-37.90 dBm	-12.90 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49267 GHz	-35.86 dBm	-22.86 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49547 GHz	-42.81 dBm	-29.81 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50110 GHz	20.02 dBm	-9.98 dB

Date: 8.JAN.2019 14:37:30

Highest Band Edge / 1RB

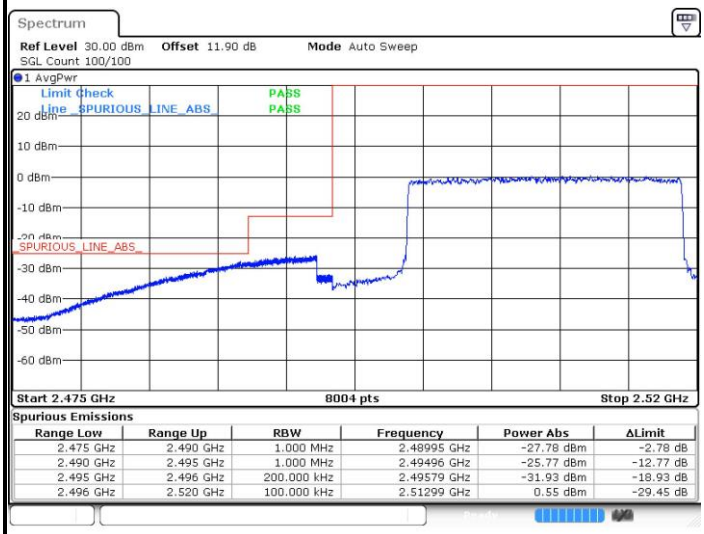


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56894 GHz	19.86 dBm	-10.14 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-23.12 dBm	-13.12 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57106 GHz	-28.17 dBm	-18.17 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57644 GHz	-35.78 dBm	-22.78 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59232 GHz	-40.13 dBm	-15.13 dB

Date: 8.JAN.2019 14:45:55

Lowest Band Edge / Full RB

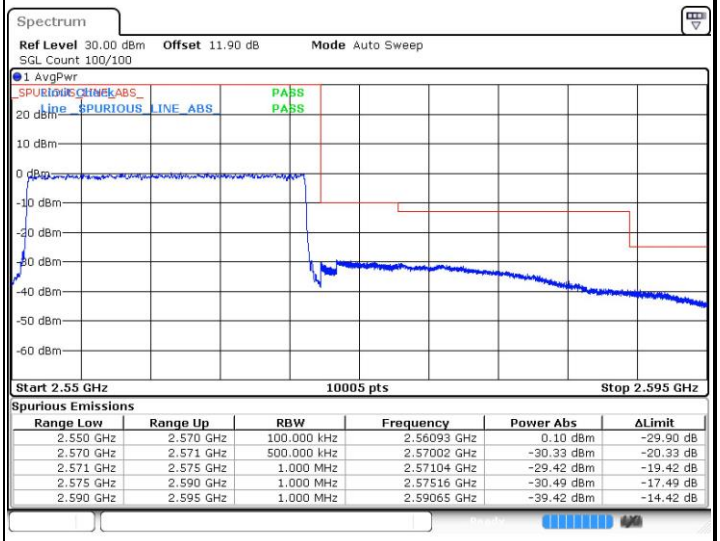


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48995 GHz	-27.78 dBm	-2.78 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-25.77 dBm	-12.77 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49579 GHz	-31.93 dBm	-18.93 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.51299 GHz	0.55 dBm	-29.45 dB

Date: 8.JAN.2019 14:38:54

Highest Band Edge / Full RB



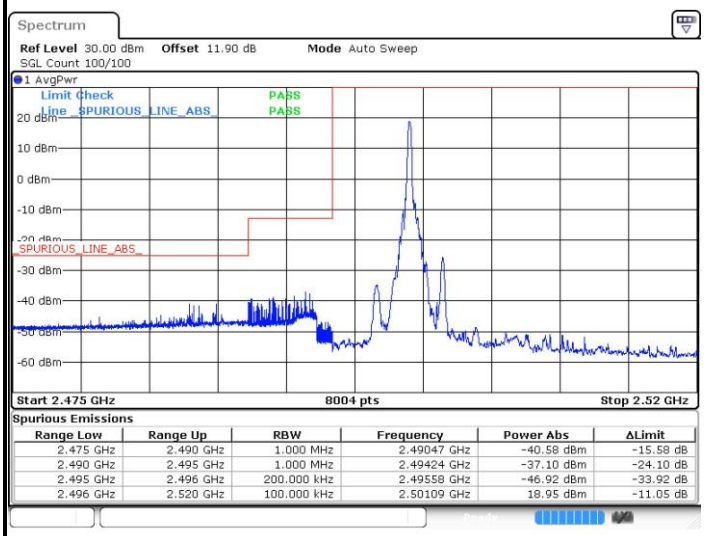
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56093 GHz	0.10 dBm	-29.90 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-30.33 dBm	-20.33 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-29.42 dBm	-19.42 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57516 GHz	-30.49 dBm	-17.49 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59065 GHz	-39.42 dBm	-14.42 dB

Date: 8.JAN.2019 14:46:37

LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

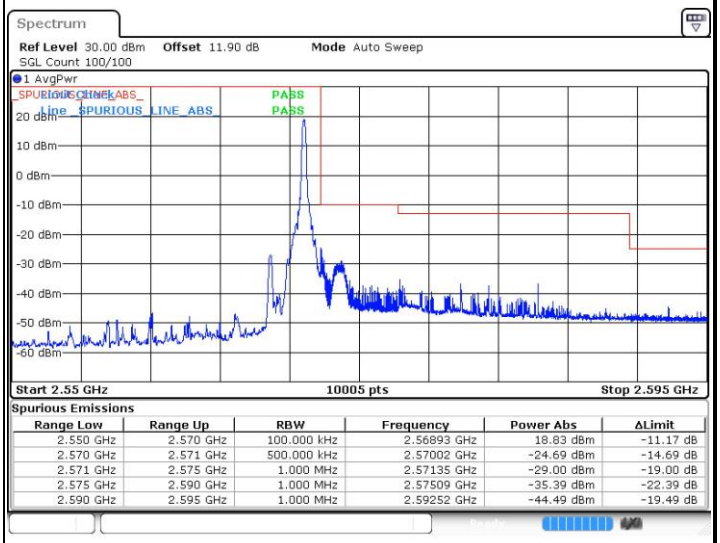


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-40.58 dBm	-15.58 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49424 GHz	-37.10 dBm	-24.10 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49558 GHz	-46.92 dBm	-33.92 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	18.95 dBm	-11.05 dB

Date: 8.JAN.2019 14:50:26

Highest Band Edge / 1 RB

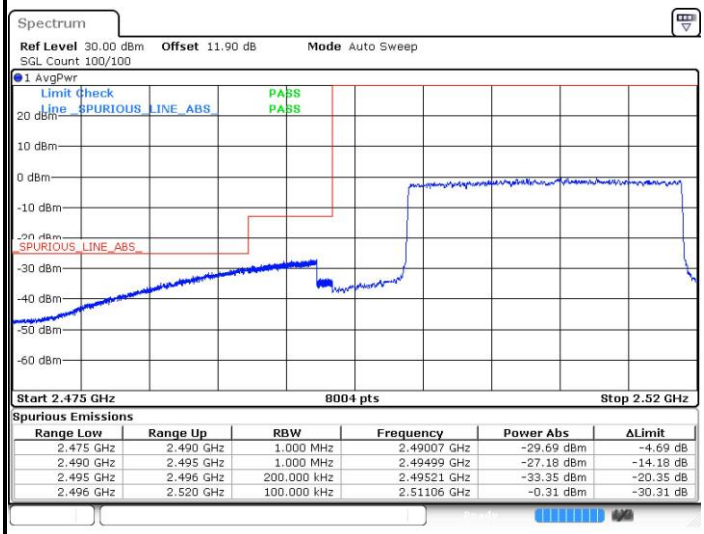


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	18.83 dBm	-11.17 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-24.69 dBm	-14.69 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57135 GHz	-29.00 dBm	-19.00 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57509 GHz	-35.39 dBm	-22.39 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59252 GHz	-44.49 dBm	-19.49 dB

Date: 8.JAN.2019 14:54:37

Lowest Band Edge / Full RB

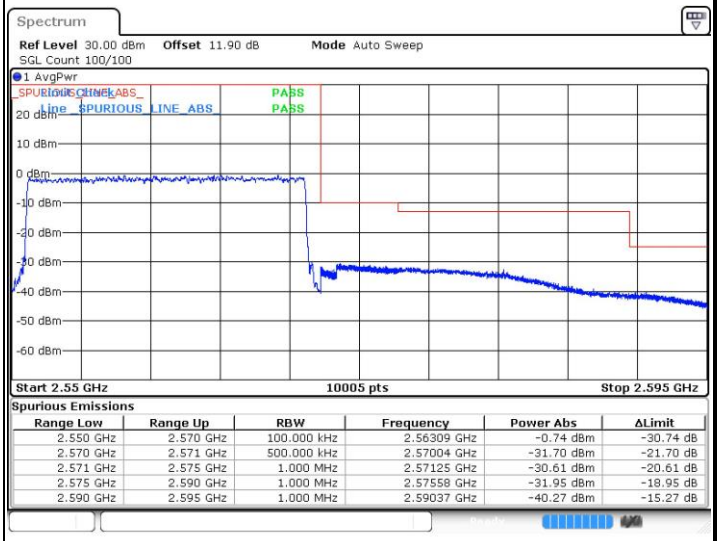


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49007 GHz	-29.69 dBm	-4.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-27.18 dBm	-14.18 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49521 GHz	-33.35 dBm	-20.35 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.51106 GHz	-0.31 dBm	-30.31 dB

Date: 8.JAN.2019 14:51:08

Highest Band Edge / Full RB



Spurious Emissions

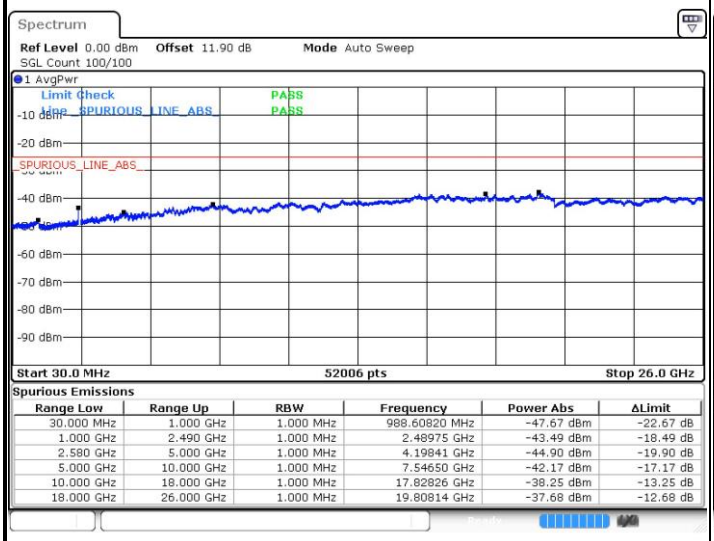
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56309 GHz	-0.74 dBm	-30.74 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57004 GHz	-31.70 dBm	-21.70 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57125 GHz	-30.61 dBm	-20.61 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57558 GHz	-31.95 dBm	-18.95 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59037 GHz	-40.27 dBm	-15.27 dB

Date: 8.JAN.2019 14:55:19

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

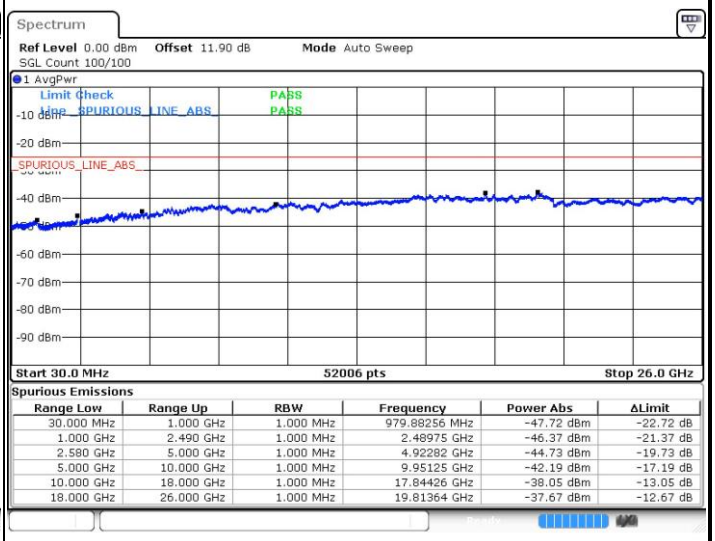


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-47.67 dBm	-22.67 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-43.49 dBm	-18.49 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19841 GHz	-44.90 dBm	-19.90 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54650 GHz	-42.17 dBm	-17.17 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.82826 GHz	-38.25 dBm	-13.25 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80814 GHz	-37.68 dBm	-12.68 dB

Date: 8.JAN.2019 13:36:46

Lowest Channel / 16QAM

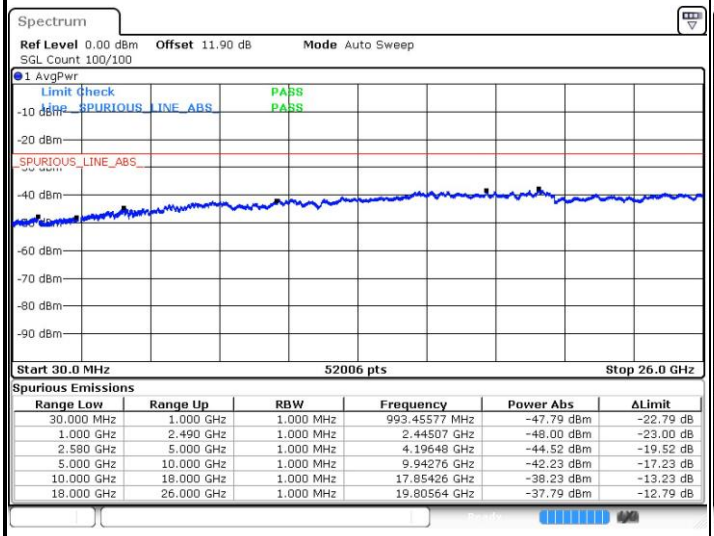


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-47.72 dBm	-22.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.37 dBm	-21.37 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92282 GHz	-44.73 dBm	-19.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95125 GHz	-42.19 dBm	-17.19 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84426 GHz	-38.05 dBm	-13.05 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81364 GHz	-37.67 dBm	-12.67 dB

Date: 8.JAN.2019 13:37:47

Middle Channel / QPSK

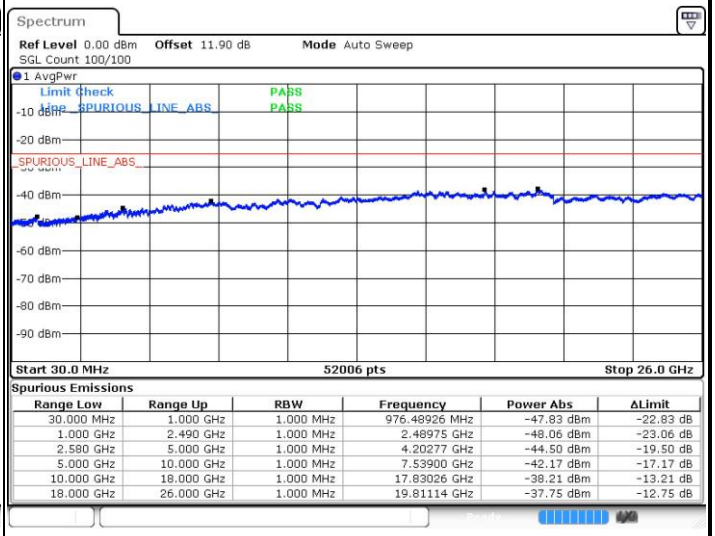


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.79 dBm	-22.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44507 GHz	-48.00 dBm	-23.00 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19648 GHz	-44.52 dBm	-19.52 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94276 GHz	-42.23 dBm	-17.23 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85426 GHz	-38.23 dBm	-13.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80564 GHz	-37.79 dBm	-12.79 dB

Date: 8.JAN.2019 13:39:34

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-47.83 dBm	-22.83 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-48.06 dBm	-23.06 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20277 GHz	-44.50 dBm	-19.50 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.53900 GHz	-42.17 dBm	-17.17 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83026 GHz	-38.21 dBm	-13.21 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81114 GHz	-37.75 dBm	-12.75 dB

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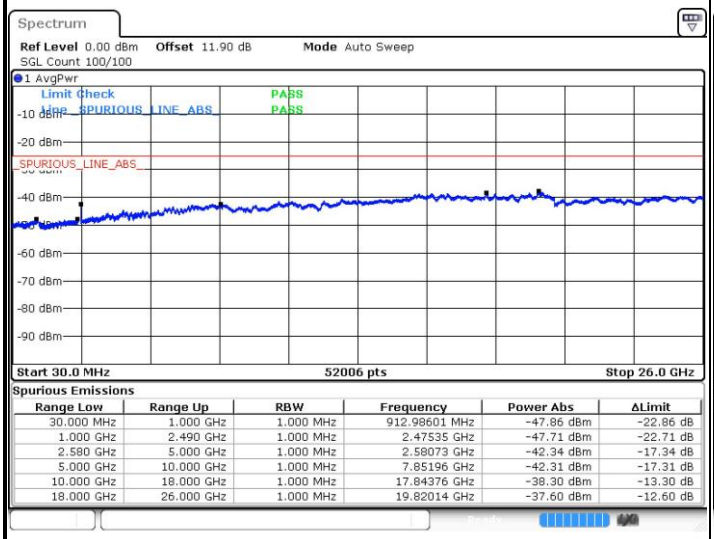
LTE Band 7 / 5MHz

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.98601 MHz	-47.86 dBm	-22.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47535 GHz	-47.71 dBm	-22.71 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58073 GHz	-42.34 dBm	-17.34 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.85196 GHz	-42.31 dBm	-17.31 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84376 GHz	-38.30 dBm	-13.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82014 GHz	-37.60 dBm	-12.60 dB

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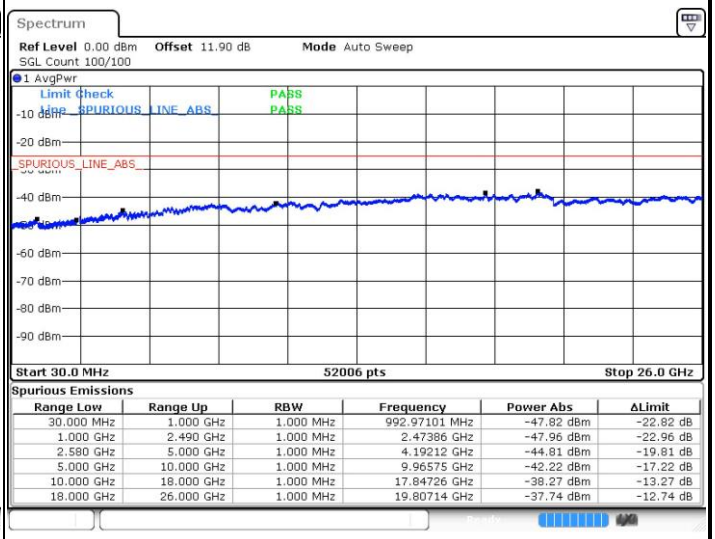
Highest Channel / 16QAM



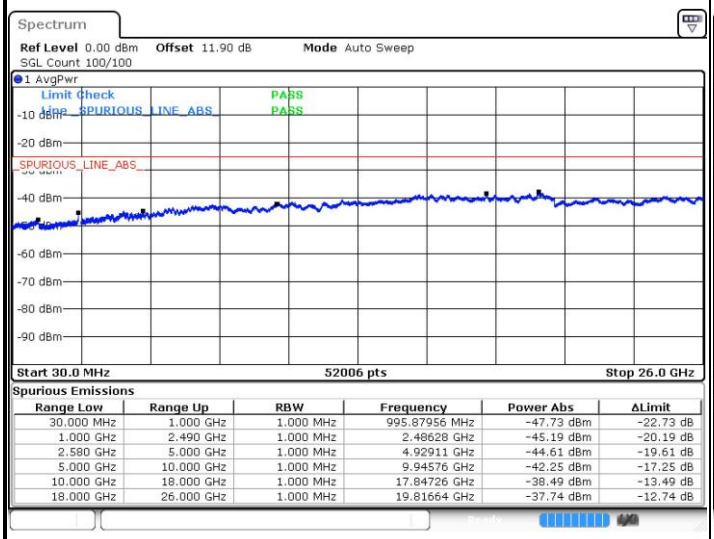
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-47.82 dBm	-22.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47386 GHz	-47.96 dBm	-22.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19212 GHz	-44.81 dBm	-19.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.96575 GHz	-42.22 dBm	-17.22 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-38.27 dBm	-13.27 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80714 GHz	-37.74 dBm	-12.74 dB

Date: 8.JAN.2019 13:46:11

LTE Band 7 / 10MHz

Lowest Channel / QPSK

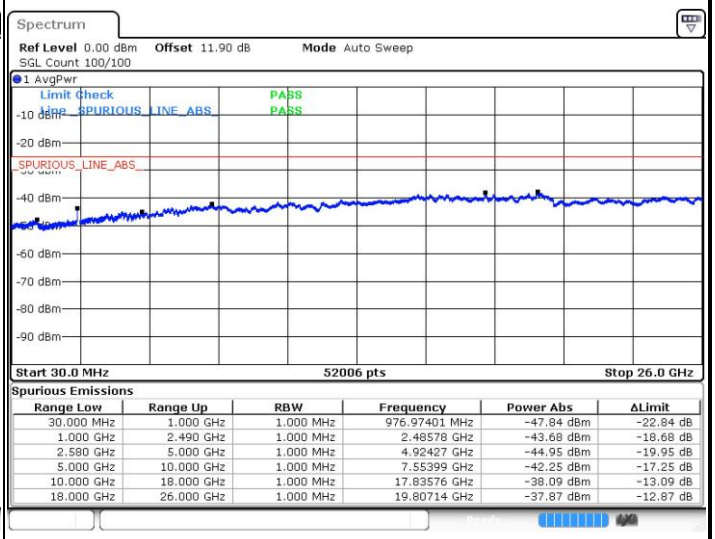


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-47.73 dBm	-22.73 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-45.19 dBm	-20.19 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92911 GHz	-44.61 dBm	-19.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94576 GHz	-42.25 dBm	-17.25 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84726 GHz	-38.49 dBm	-13.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81664 GHz	-37.74 dBm	-12.74 dB

Date: 8.JAN.2019 13:57:49

Lowest Channel / 16QAM



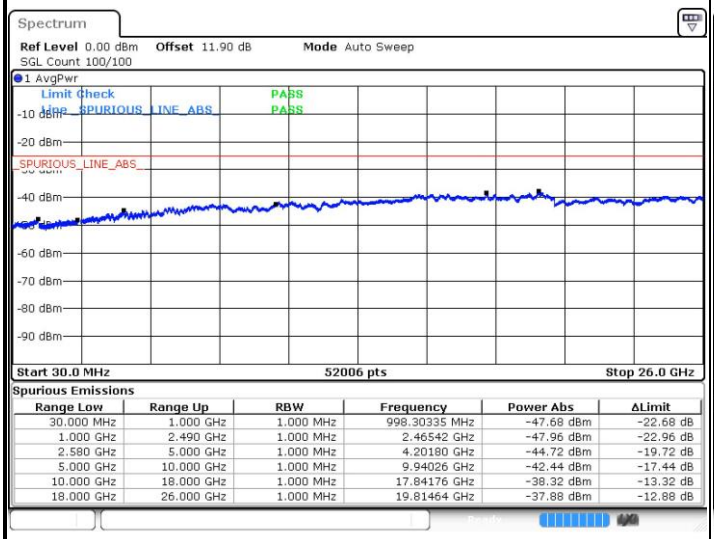
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-47.84 dBm	-22.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-43.68 dBm	-18.68 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92427 GHz	-44.95 dBm	-19.95 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55399 GHz	-42.25 dBm	-17.25 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83576 GHz	-38.09 dBm	-13.09 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80714 GHz	-37.87 dBm	-12.87 dB

Date: 8.JAN.2019 13:58:49

LTE Band 7 / 10MHz

Middle Channel / QPSK

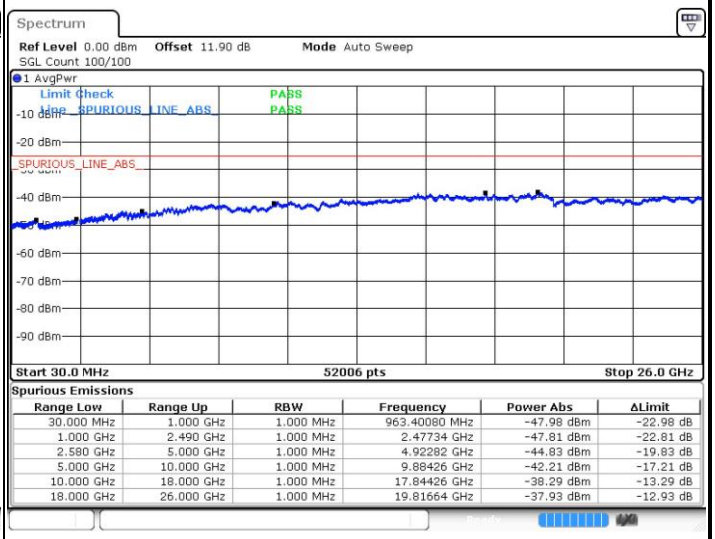


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-47.68 dBm	-22.68 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46542 GHz	-47.96 dBm	-22.96 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20180 GHz	-44.72 dBm	-19.72 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94026 GHz	-42.44 dBm	-17.44 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84176 GHz	-38.32 dBm	-13.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-37.88 dBm	-12.88 dB

Date: 8.JAN.2019 14:00:37

Middle Channel / 16QAM

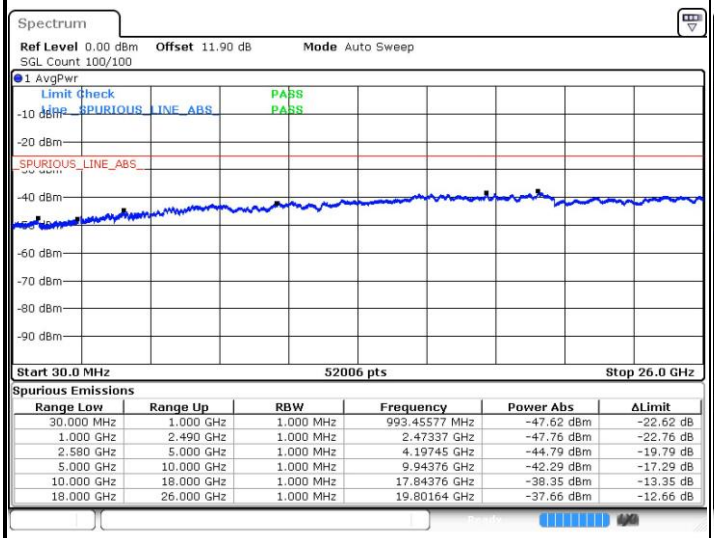


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.40080 MHz	-47.98 dBm	-22.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47734 GHz	-47.81 dBm	-22.81 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92282 GHz	-44.83 dBm	-19.83 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.88426 GHz	-42.21 dBm	-17.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84426 GHz	-38.29 dBm	-13.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81664 GHz	-37.93 dBm	-12.93 dB

Date: 8.JAN.2019 14:01:36

Highest Channel / QPSK

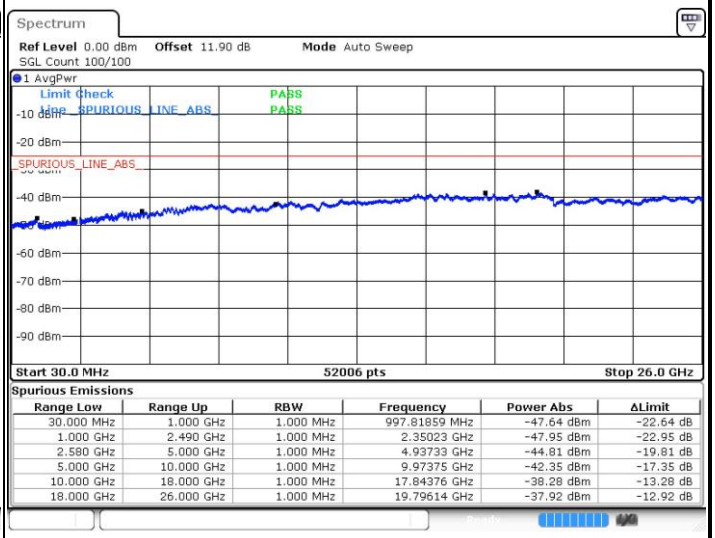


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.45577 MHz	-47.62 dBm	-22.62 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47337 GHz	-47.76 dBm	-22.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19745 GHz	-44.79 dBm	-19.79 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94376 GHz	-42.29 dBm	-17.29 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84376 GHz	-38.35 dBm	-13.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80164 GHz	-37.66 dBm	-12.66 dB

Date: 8.JAN.2019 14:06:13

Highest Channel / 16QAM



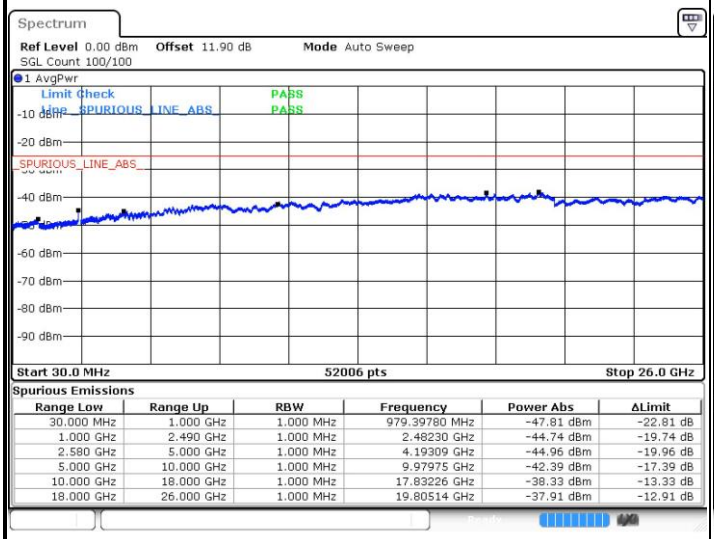
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.64 dBm	-22.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.35023 GHz	-47.95 dBm	-22.95 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93733 GHz	-44.81 dBm	-19.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.97375 GHz	-42.35 dBm	-17.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84376 GHz	-38.28 dBm	-13.28 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.79614 GHz	-37.92 dBm	-12.92 dB

Date: 8.JAN.2019 14:07:14

LTE Band 7 / 15MHz

Lowest Channel / QPSK

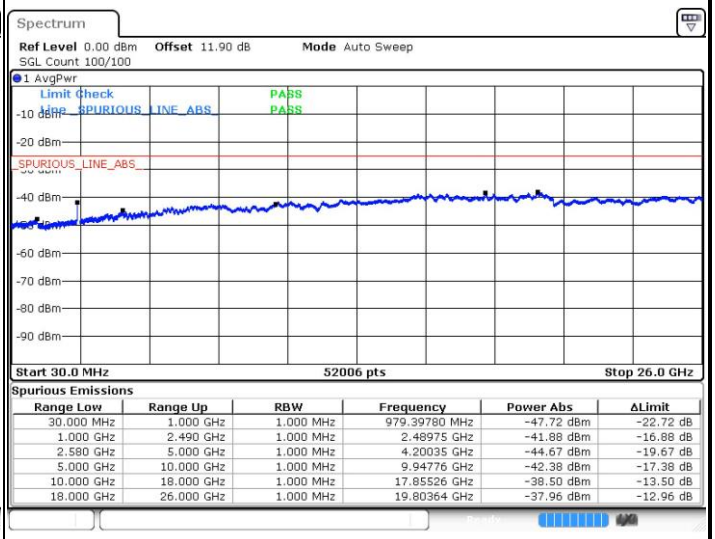


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-47.81 dBm	-22.81 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48230 GHz	-44.74 dBm	-19.74 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19309 GHz	-44.96 dBm	-19.96 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.97975 GHz	-42.39 dBm	-17.39 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83226 GHz	-38.33 dBm	-13.33 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80514 GHz	-37.91 dBm	-12.91 dB

Date: 8.JAN.2019 14:18:52

Lowest Channel / 16QAM

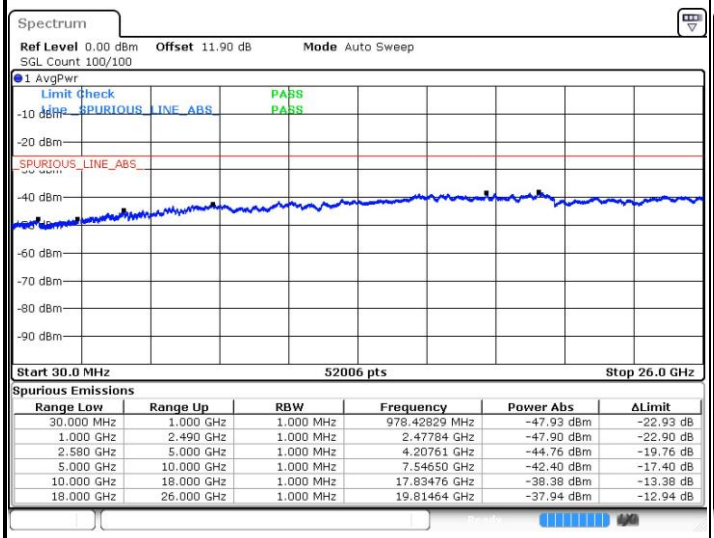


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.39780 MHz	-47.72 dBm	-22.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-41.88 dBm	-16.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20035 GHz	-44.67 dBm	-19.67 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94776 GHz	-42.38 dBm	-17.38 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85526 GHz	-38.50 dBm	-13.50 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80364 GHz	-37.96 dBm	-12.96 dB

Date: 8.JAN.2019 14:19:52

Middle Channel / QPSK

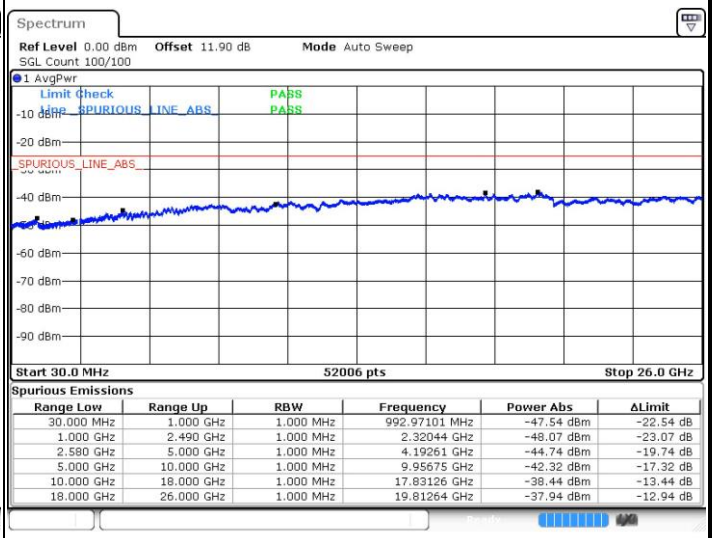


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-47.93 dBm	-22.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47784 GHz	-47.90 dBm	-22.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20761 GHz	-44.76 dBm	-19.76 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54650 GHz	-42.40 dBm	-17.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83476 GHz	-38.38 dBm	-13.38 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81464 GHz	-37.94 dBm	-12.94 dB

Date: 8.JAN.2019 14:21:39

Middle Channel / 16QAM



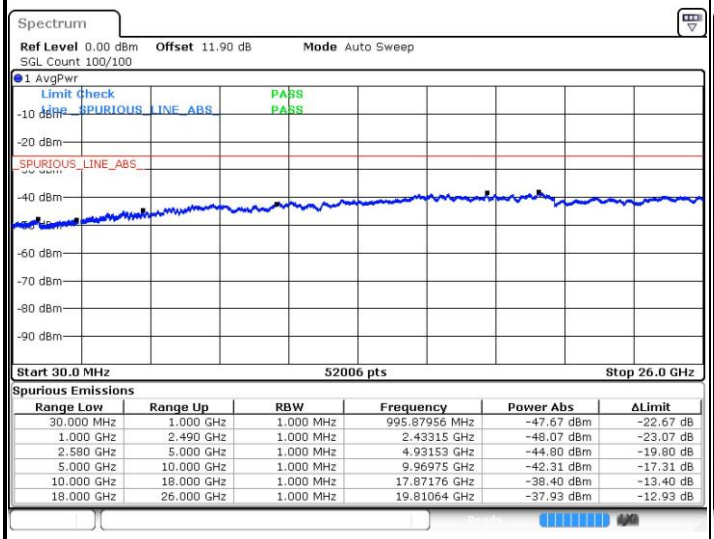
Spurious Emissions

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	2.32044 GHz	-48.07 dBm	-23.07 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19261 GHz	-44.74 dBm	-19.74 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95675 GHz	-42.32 dBm	-17.32 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83126 GHz	-38.44 dBm	-13.44 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81264 GHz	-37.94 dBm	-12.94 dB

Date: 8.JAN.2019 14:22:39

LTE Band7 / 15MHz

Highest Channel / QPSK

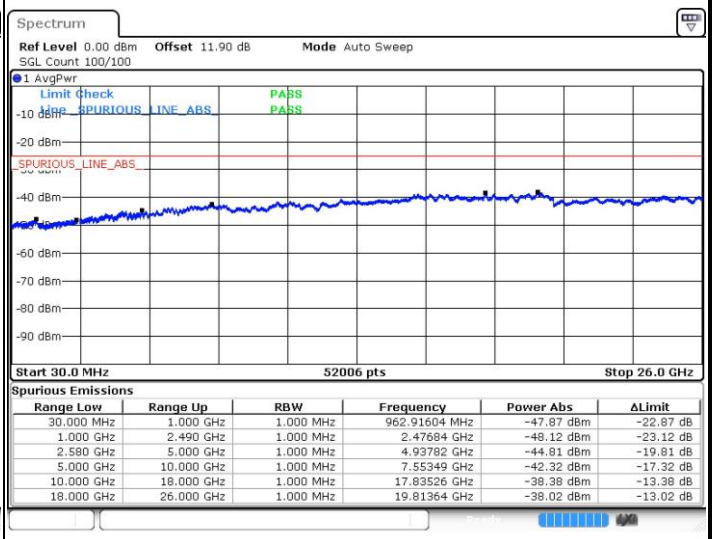


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-47.67 dBm	-22.67 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.43315 GHz	-48.07 dBm	-23.07 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93153 GHz	-44.80 dBm	-19.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.96975 GHz	-42.31 dBm	-17.31 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.87176 GHz	-38.40 dBm	-13.40 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81064 GHz	-37.93 dBm	-12.93 dB

Date: 8.JAN.2019 14:27:16

Highest Channel / 16QAM



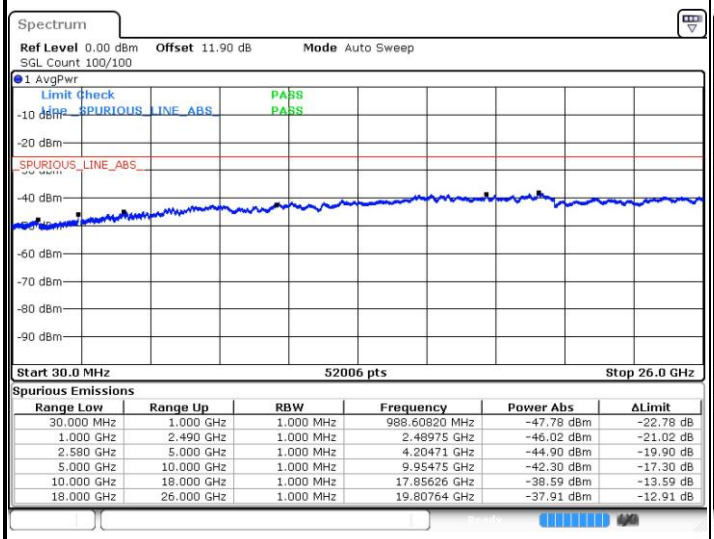
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-47.87 dBm	-22.87 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47684 GHz	-48.12 dBm	-23.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93782 GHz	-44.81 dBm	-19.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.55349 GHz	-42.32 dBm	-17.32 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	19.81364 GHz	-38.02 dBm	-13.02 dB

Date: 8.JAN.2019 14:28:17

LTE Band 7 / 20MHz

Lowest Channel / QPSK

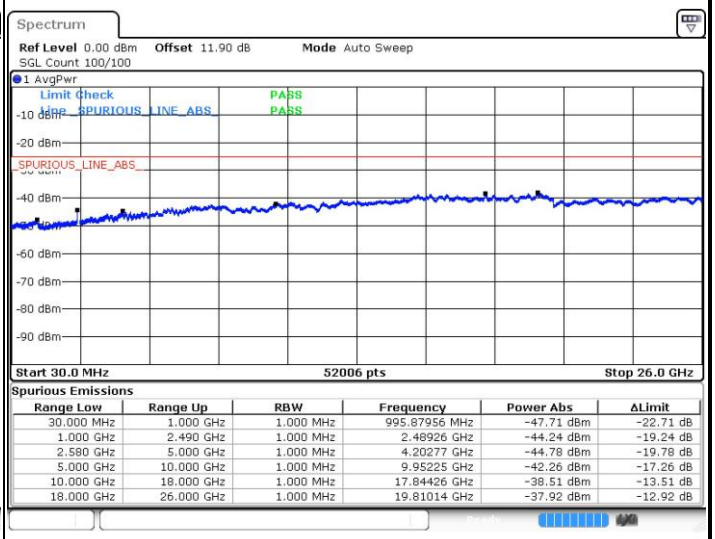


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-47.78 dBm	-22.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.02 dBm	-21.02 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20471 GHz	-44.90 dBm	-19.90 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95475 GHz	-42.30 dBm	-17.30 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85626 GHz	-38.59 dBm	-13.59 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80764 GHz	-37.91 dBm	-12.91 dB

Date: 8.JAN.2019 14:39:55

Lowest Channel / 16QAM



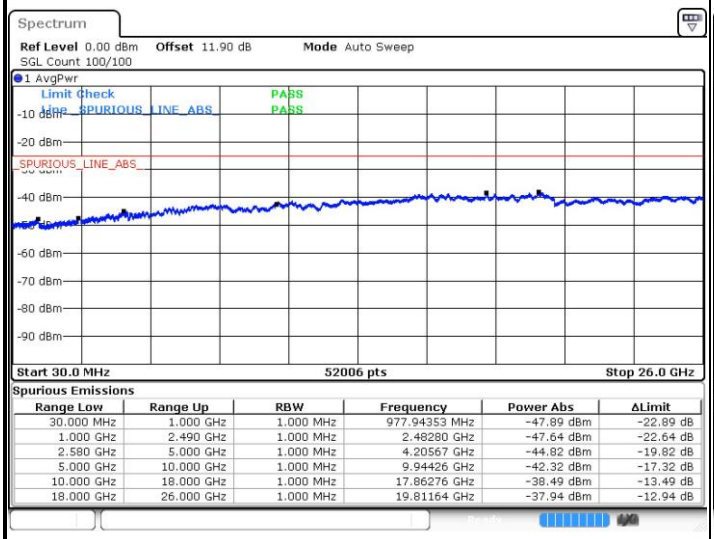
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-47.71 dBm	-22.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-44.24 dBm	-19.24 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20277 GHz	-44.78 dBm	-19.78 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95225 GHz	-42.26 dBm	-17.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84426 GHz	-38.51 dBm	-13.51 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81014 GHz	-37.92 dBm	-12.92 dB

Date: 8.JAN.2019 14:40:55

LTE Band 7 / 20MHz

Middle Channel / QPSK

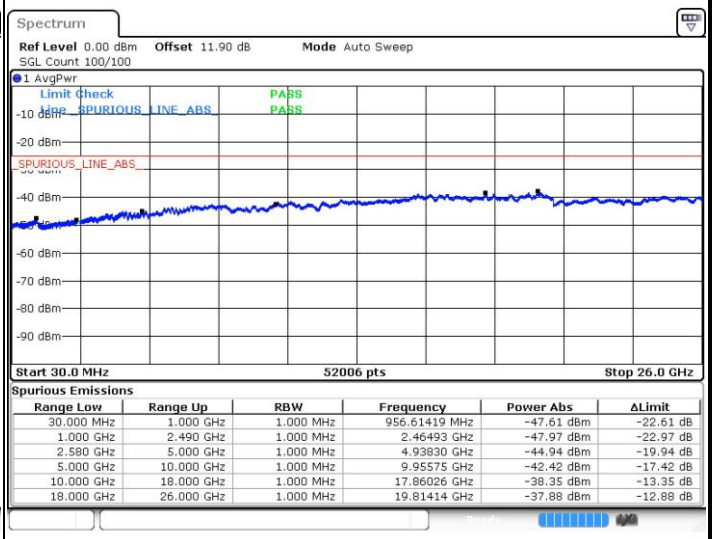


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-47.89 dBm	-22.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-47.64 dBm	-22.64 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20567 GHz	-44.82 dBm	-19.82 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94426 GHz	-42.32 dBm	-17.32 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86276 GHz	-38.49 dBm	-13.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81164 GHz	-37.94 dBm	-12.94 dB

Date: 8.JAN.2019 14:42:43

Middle Channel / 16QAM

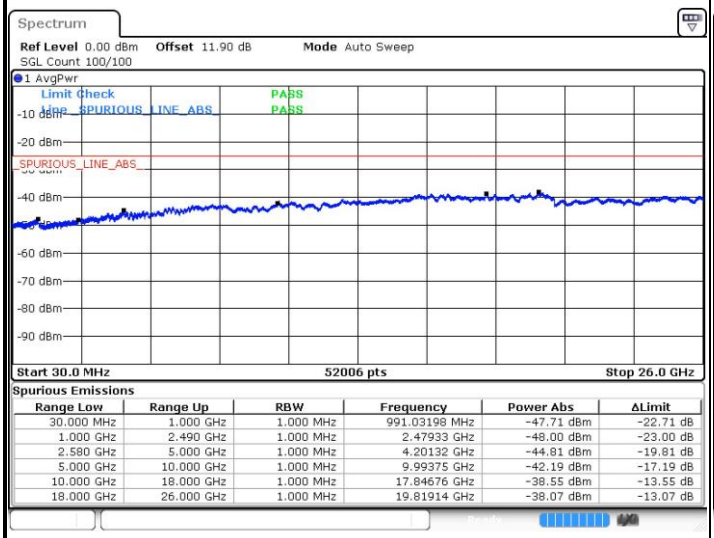


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.61419 MHz	-47.61 dBm	-22.61 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46493 GHz	-47.97 dBm	-22.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93830 GHz	-44.94 dBm	-19.94 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95575 GHz	-42.42 dBm	-17.42 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86026 GHz	-38.35 dBm	-13.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81414 GHz	-37.88 dBm	-12.88 dB

Date: 8.JAN.2019 14:43:43

Highest Channel / QPSK

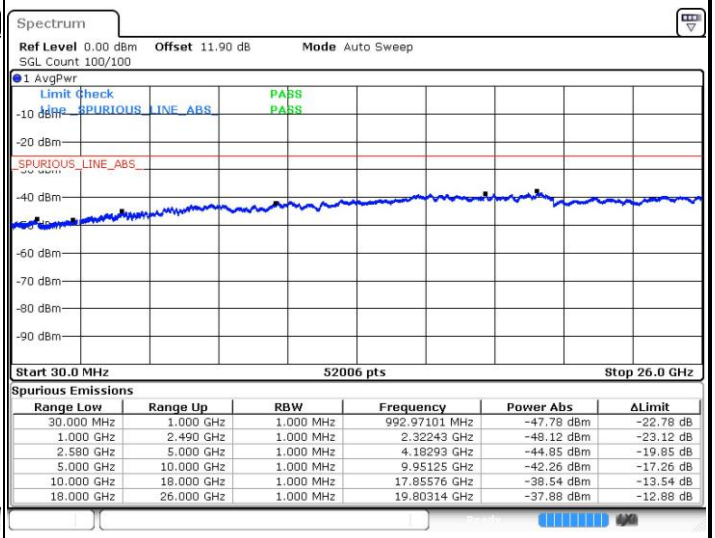


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-47.71 dBm	-22.71 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47933 GHz	-48.00 dBm	-23.00 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20132 GHz	-44.81 dBm	-19.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.99375 GHz	-42.19 dBm	-17.19 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84676 GHz	-38.55 dBm	-13.55 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81914 GHz	-38.07 dBm	-13.07 dB

Date: 8.JAN.2019 14:48:19

Highest Channel / 16QAM



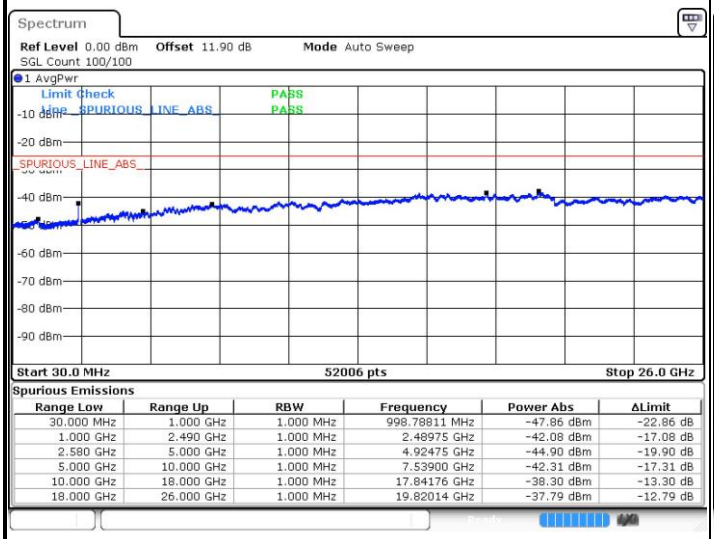
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-47.78 dBm	-22.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32243 GHz	-48.12 dBm	-23.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18293 GHz	-44.85 dBm	-19.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95125 GHz	-42.26 dBm	-17.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.85576 GHz	-38.54 dBm	-13.54 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80314 GHz	-37.88 dBm	-12.88 dB

Date: 8.JAN.2019 14:49:20

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

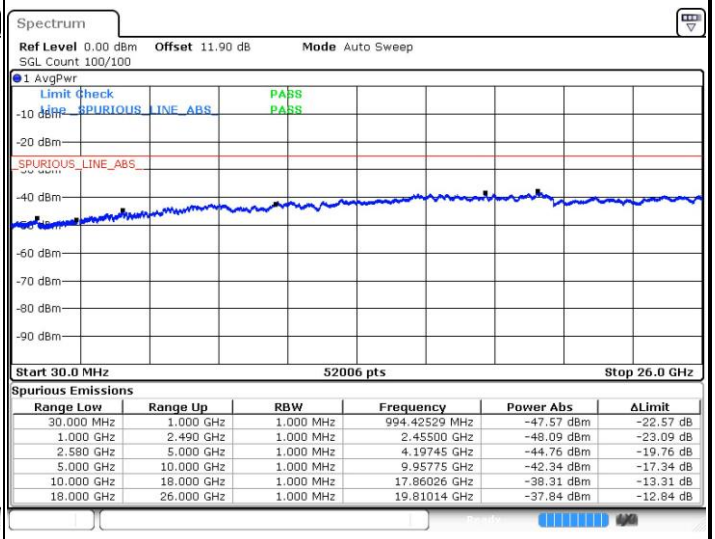


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.86 dBm	-22.86 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-42.08 dBm	-17.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92475 GHz	-44.90 dBm	-19.90 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.53900 GHz	-42.31 dBm	-17.31 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84176 GHz	-38.30 dBm	-13.30 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82014 GHz	-37.79 dBm	-12.79 dB

Date: 8.JAN.2019 13:49:00

Middle Channel / 64QAM

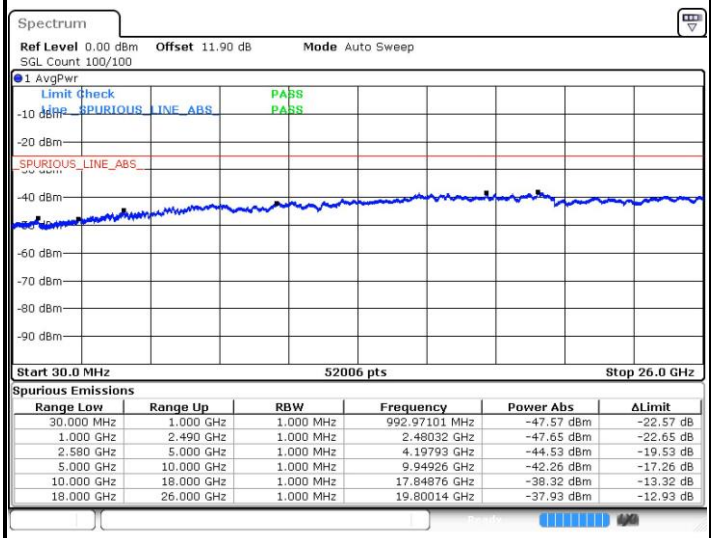


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-47.57 dBm	-22.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.45500 GHz	-48.09 dBm	-23.09 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19745 GHz	-44.76 dBm	-19.76 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95775 GHz	-42.34 dBm	-17.34 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86026 GHz	-38.31 dBm	-13.31 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81014 GHz	-37.84 dBm	-12.84 dB

Date: 8.JAN.2019 13:50:24

Highest Channel / 64QAM



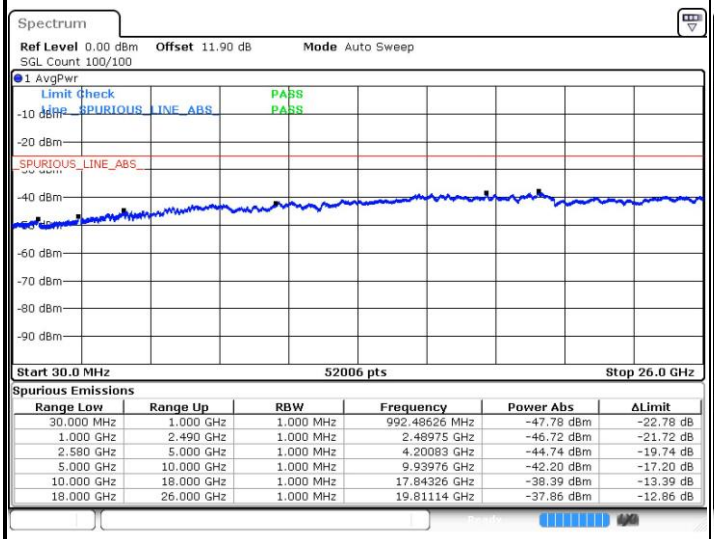
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-47.57 dBm	-22.57 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48032 GHz	-47.65 dBm	-22.65 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19793 GHz	-44.53 dBm	-19.53 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94926 GHz	-42.26 dBm	-17.26 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84876 GHz	-38.32 dBm	-13.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80014 GHz	-37.93 dBm	-12.93 dB

Date: 8.JAN.2019 13:53:12

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

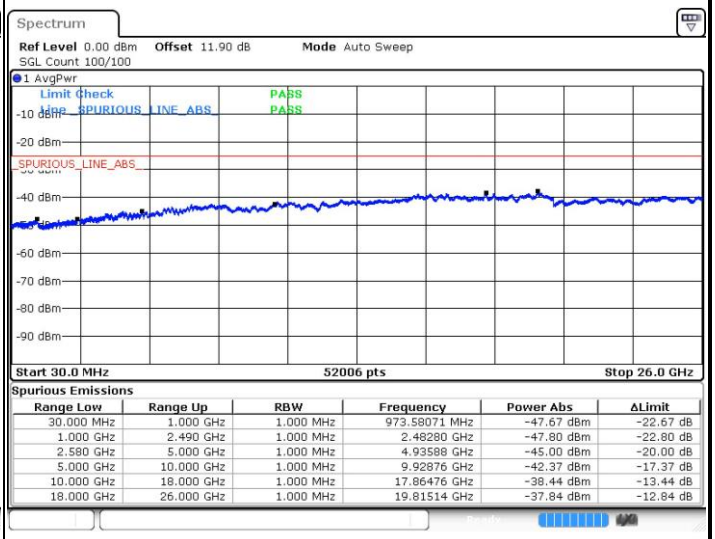


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-47.78 dBm	-22.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-46.72 dBm	-21.72 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20083 GHz	-44.74 dBm	-19.74 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93976 GHz	-42.20 dBm	-17.20 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84326 GHz	-38.39 dBm	-13.39 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81114 GHz	-37.86 dBm	-12.86 dB

Date: 8.JAN.2019 14:10:02

Middle Channel / 64QAM

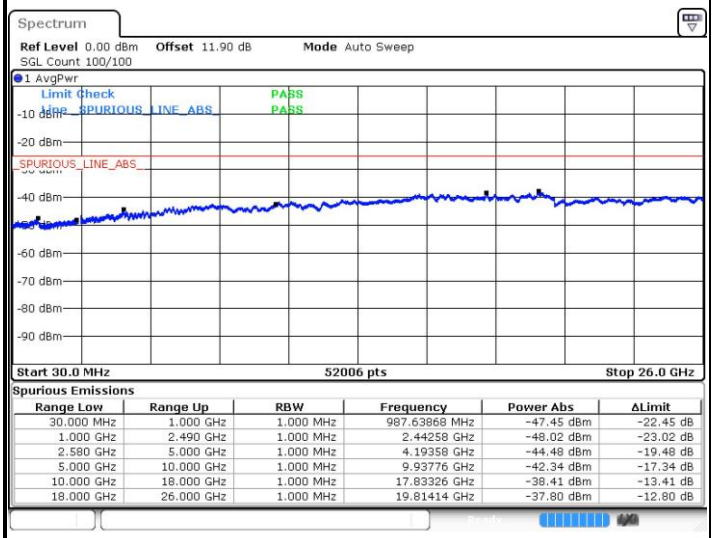


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-47.67 dBm	-22.67 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48280 GHz	-47.80 dBm	-22.80 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93588 GHz	-45.00 dBm	-20.00 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.92876 GHz	-42.37 dBm	-17.37 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86476 GHz	-38.44 dBm	-13.44 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81514 GHz	-37.84 dBm	-12.84 dB

Date: 8.JAN.2019 14:11:26

Highest Channel / 64QAM



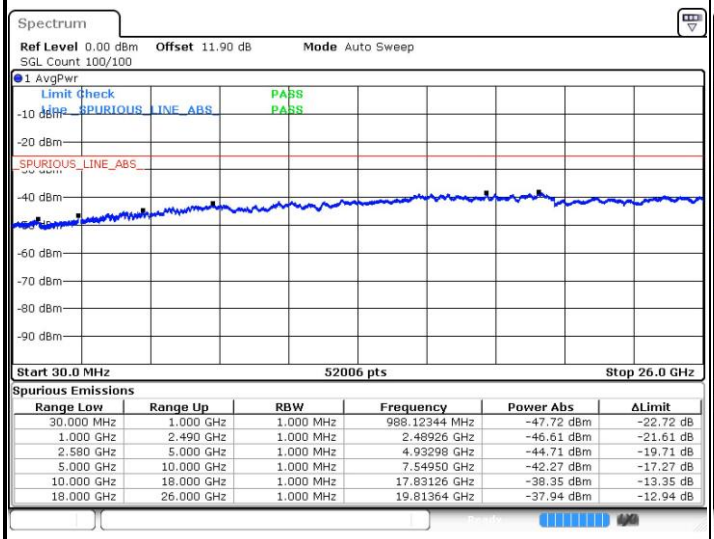
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.63868 MHz	-47.45 dBm	-22.45 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44258 GHz	-48.02 dBm	-23.02 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19358 GHz	-44.48 dBm	-19.48 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.93776 GHz	-42.34 dBm	-17.34 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83326 GHz	-38.41 dBm	-13.41 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81414 GHz	-37.80 dBm	-12.80 dB

Date: 8.JAN.2019 14:14:14

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

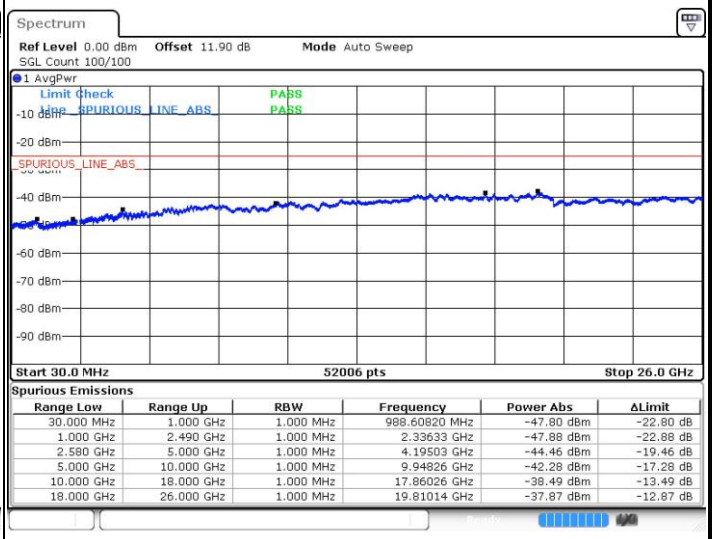


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-47.72 dBm	-22.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-46.61 dBm	-21.61 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.93298 GHz	-44.71 dBm	-19.71 dB
5.000 GHz	10.000 GHz	1.000 MHz	7.54950 GHz	-42.27 dBm	-17.27 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83126 GHz	-38.35 dBm	-13.35 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81364 GHz	-37.94 dBm	-12.94 dB

Date: 8.JAN.2019 14:31:06

Middle Channel / 64QAM

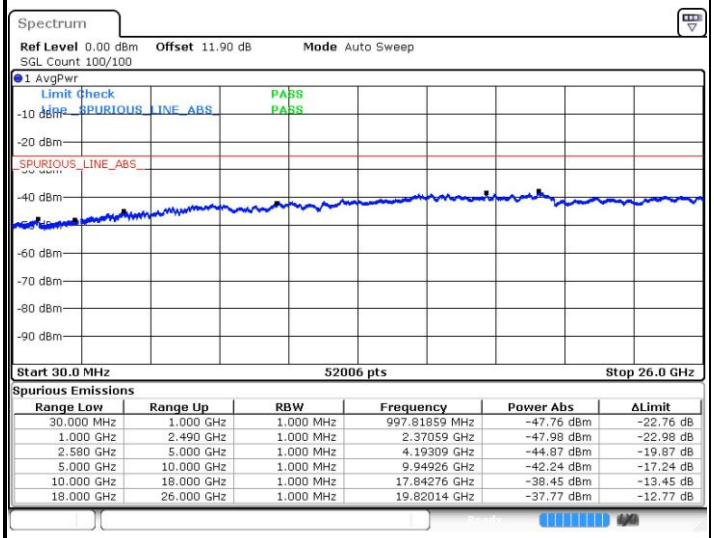


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.60820 MHz	-47.80 dBm	-22.80 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.33633 GHz	-47.88 dBm	-22.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19503 GHz	-44.46 dBm	-19.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94826 GHz	-42.28 dBm	-17.28 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.86026 GHz	-38.49 dBm	-13.49 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.81014 GHz	-37.87 dBm	-12.87 dB

Date: 8.JAN.2019 14:32:29

Highest Channel / 64QAM



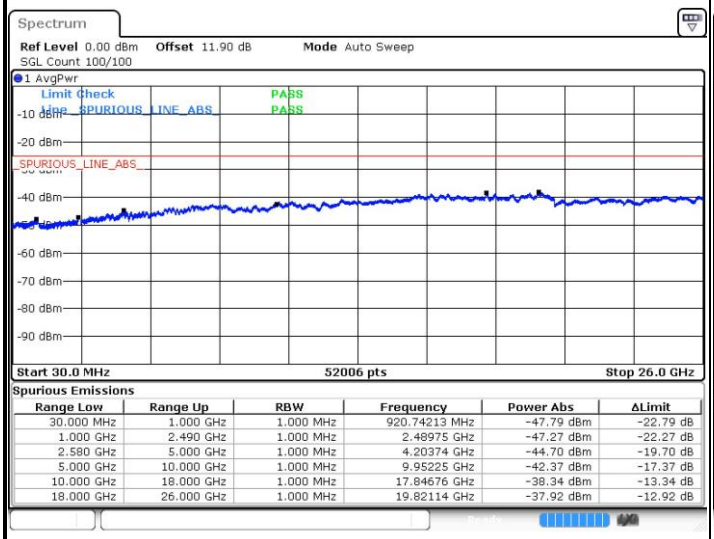
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.76 dBm	-22.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.37059 GHz	-47.98 dBm	-22.98 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19309 GHz	-44.87 dBm	-19.87 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.94926 GHz	-42.24 dBm	-17.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84276 GHz	-38.45 dBm	-13.45 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82014 GHz	-37.77 dBm	-12.77 dB

Date: 8.JAN.2019 14:35:18

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

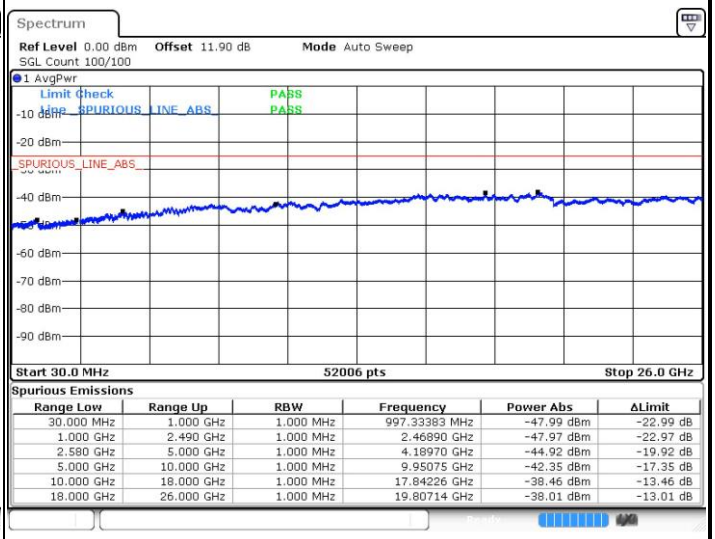


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-47.79 dBm	-22.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-47.27 dBm	-22.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20374 GHz	-44.70 dBm	-19.70 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95225 GHz	-42.37 dBm	-17.37 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84676 GHz	-38.34 dBm	-13.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82114 GHz	-37.92 dBm	-12.92 dB

Date: 8.JAN.2019 14:52:08

Middle Channel / 64QAM

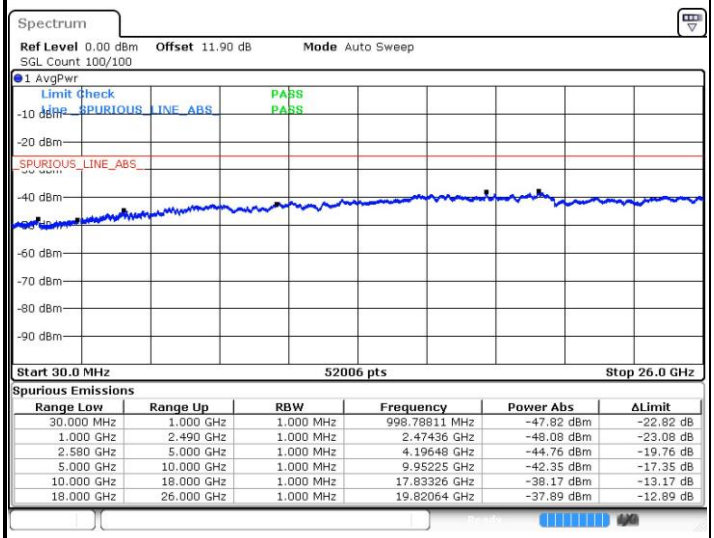


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-47.99 dBm	-22.99 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46890 GHz	-47.97 dBm	-22.97 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.18970 GHz	-44.92 dBm	-19.92 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95075 GHz	-42.35 dBm	-17.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.84226 GHz	-38.46 dBm	-13.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.80714 GHz	-38.01 dBm	-13.01 dB

Date: 8.JAN.2019 14:53:32

Highest 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	-47.82 dBm	-22.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47436 GHz	-48.08 dBm	-23.08 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.19648 GHz	-44.76 dBm	-19.76 dB
5.000 GHz	10.000 GHz	1.000 MHz	9.95225 GHz	-42.35 dBm	-17.35 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.83326 GHz	-38.17 dBm	-13.17 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.82064 GHz	-37.89 dBm	-12.89 dB

Date: 8.JAN.2019 14:56:20

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	0.0069	PASS
40	Normal Voltage	0.0069	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0067	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

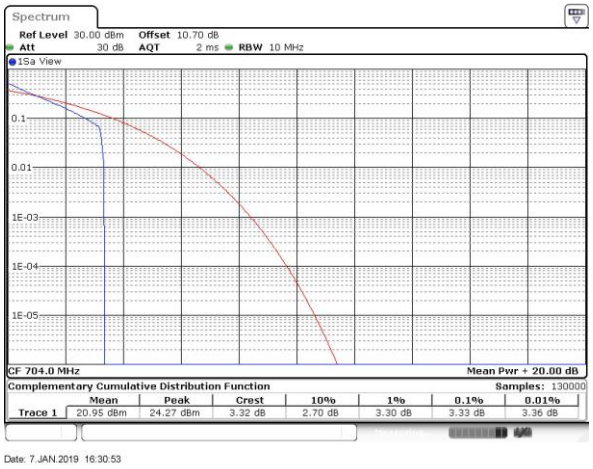
LTE Band 12

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	3.33	4.29	4.06	5.33	PASS
Middle CH	3.3	4.35	4.12	5.33	
Highest CH	3.39	4.32	4.23	5.36	
Mode	LTE Band 12 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.99	6.00	-	-	PASS
Middle CH	5.19	6.03	-	-	
Highest CH	5.04	6.00	-	-	

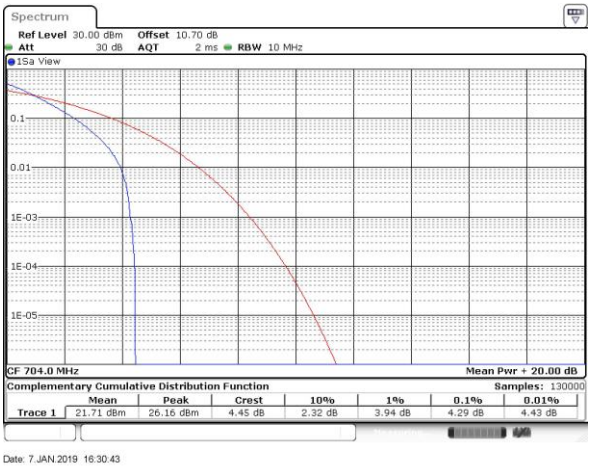
LTE Band 12 / 10MHz / QPSK

Lowest Channel / 1RB



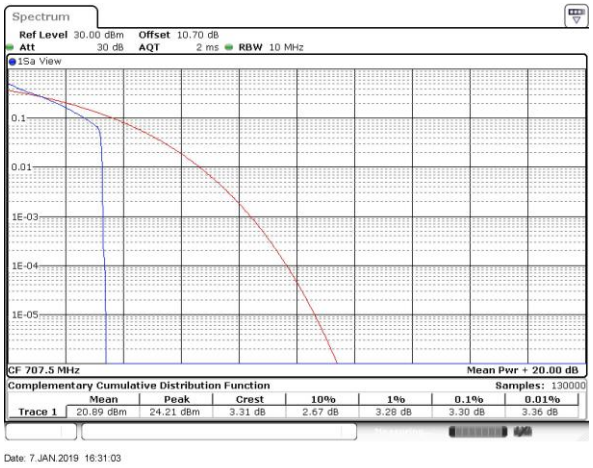
Date: 7.JAN.2019 16:30:53

Lowest Channel / Full RB



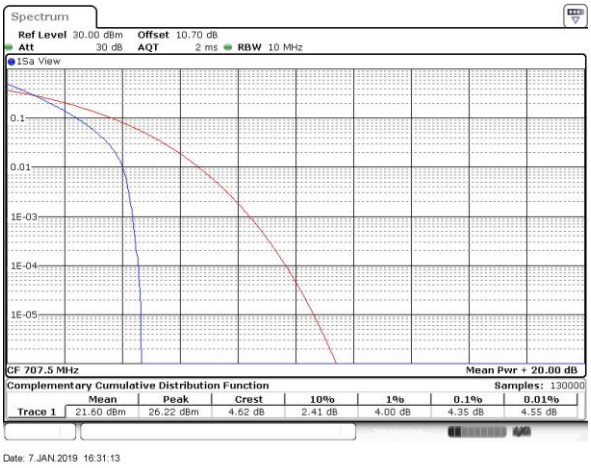
Date: 7.JAN.2019 16:30:43

Middle Channel / 1RB



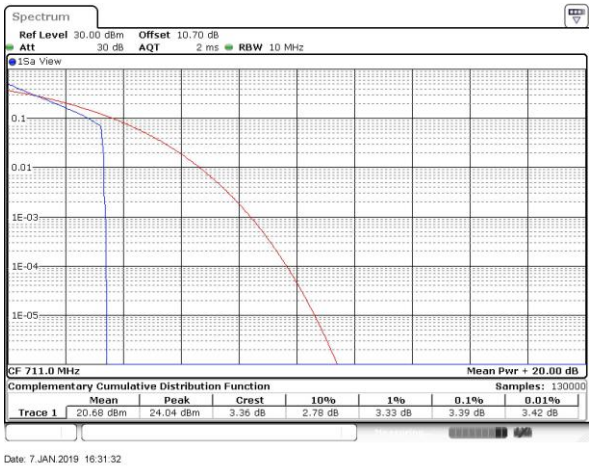
Date: 7.JAN.2019 16:31:03

Middle Channel / Full RB



Date: 7.JAN.2019 16:31:13

Highest Channel / 1RB



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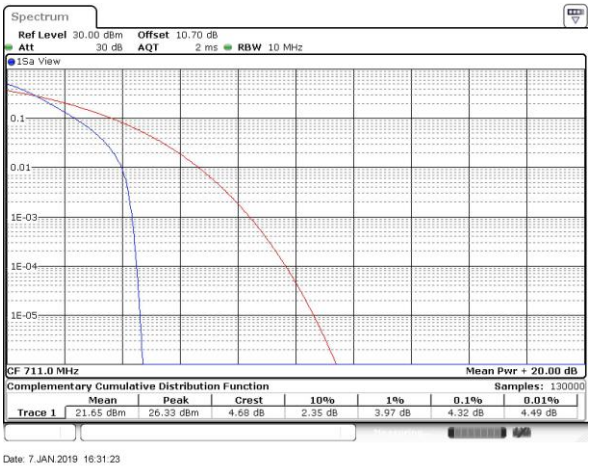
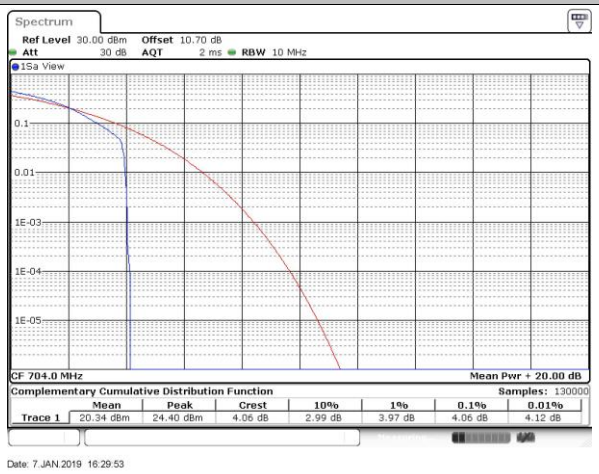
Highest Channel / Full RB



Date: 7.JAN.2019 16:31:23

LTE Band 12 / 10MHz / 16QAM

Lowest Channel / 1RB



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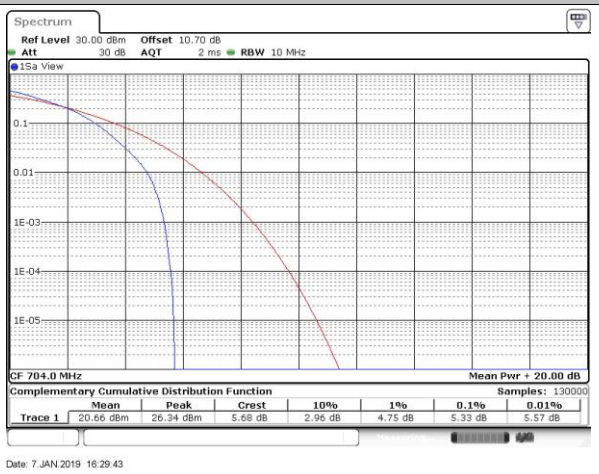
Lowest Channel / Full RB



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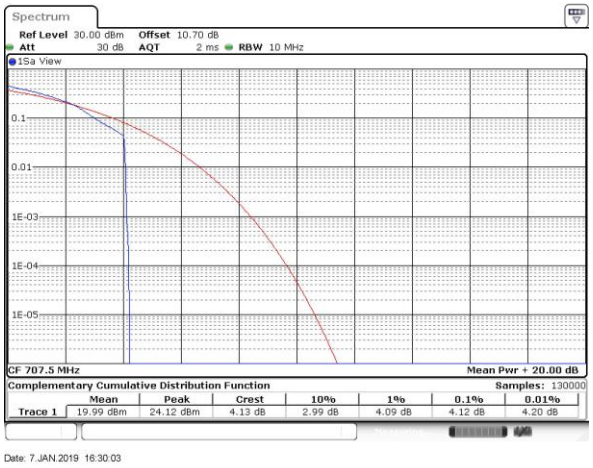
Middle Channel / 1RB



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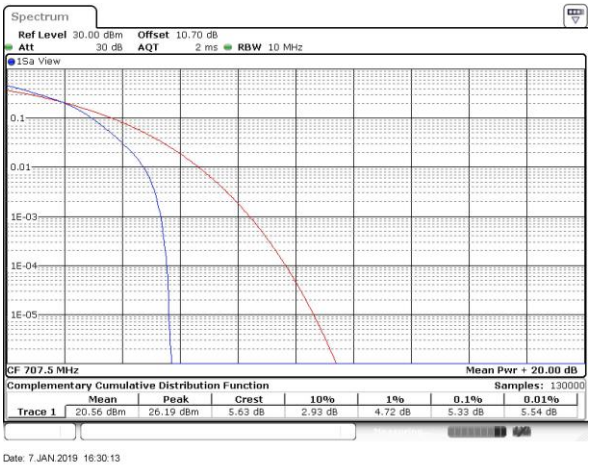
Middle Channel / Full RB



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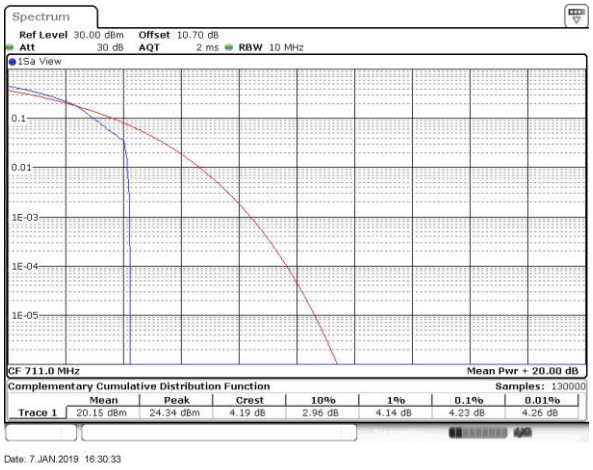
Highest Channel / 1RB



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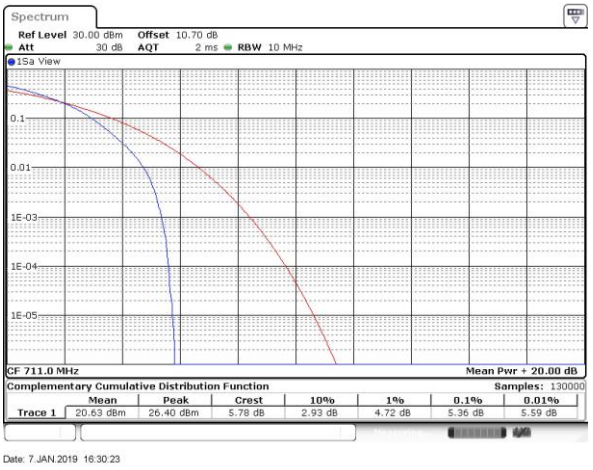
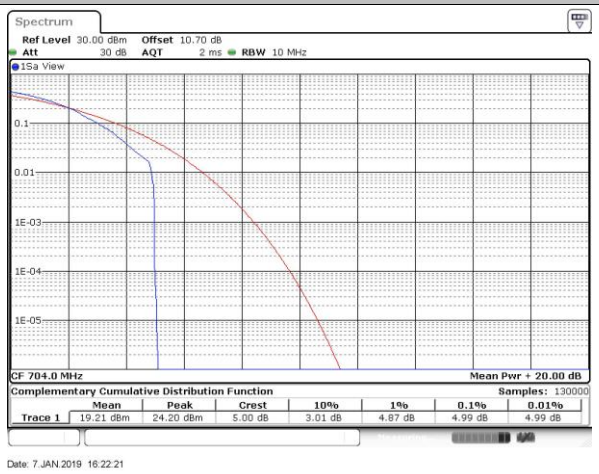
Highest Channel / Full RB



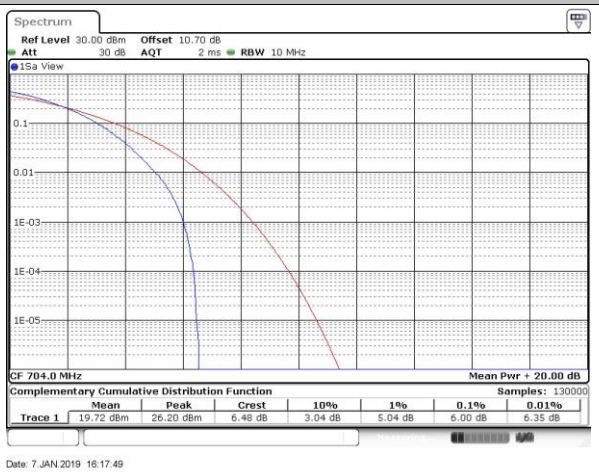
Date: 7.JAN.2019 16:30:23

LTE Band 12 / 10MHz / 64QAM

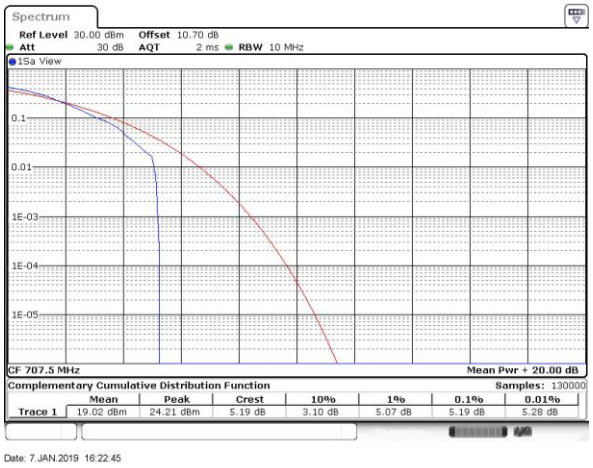
Lowest Channel / 1RB



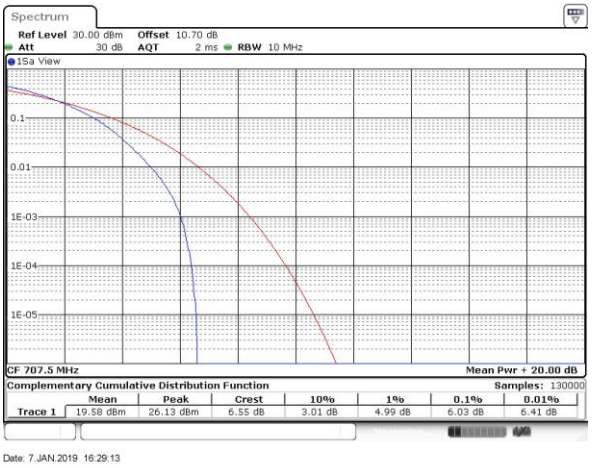
Lowest Channel / Full RB



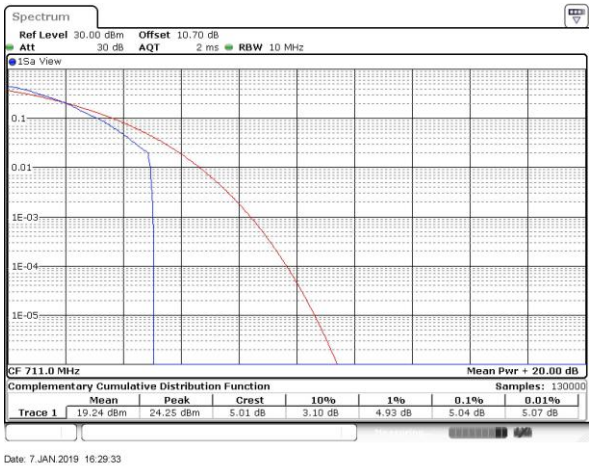
Middle Channel / 1RB



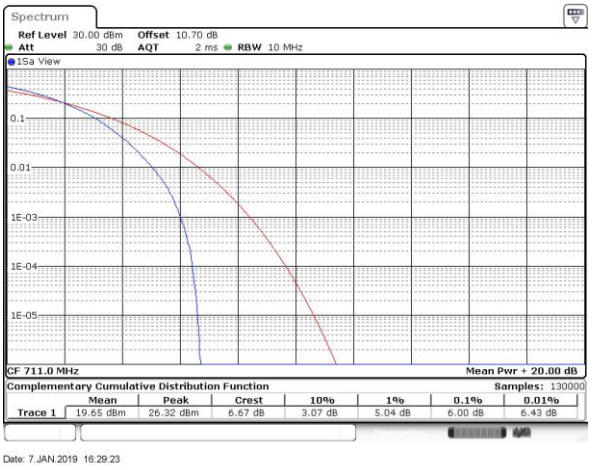
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

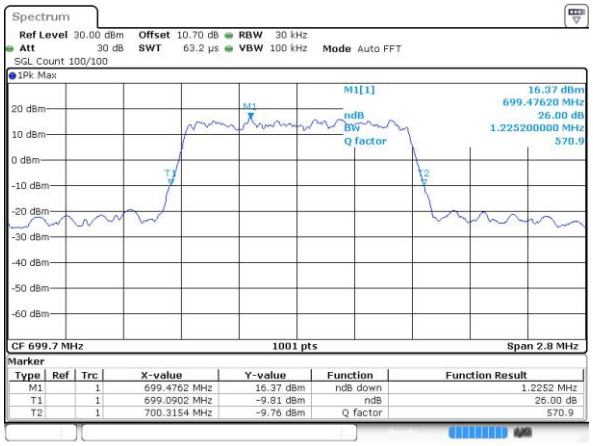


26dB Bandwidth

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	1.25	3.03	3.07	4.93	4.92	9.81	9.79	-	-	-	-
Middle CH	1.23	1.23	3.02	3.05	4.93	4.92	9.93	9.69	-	-	-	-
Highest CH	1.23	1.23	3.00	3.06	4.95	4.89	9.77	9.79	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.03	-	4.88	-	9.91	-	-	-	-	-
Middle CH	1.23	-	2.99	-	4.91	-	9.69	-	-	-	-	-
Highest CH	1.23	-	3.05	-	4.92	-	9.69	-	-	-	-	-

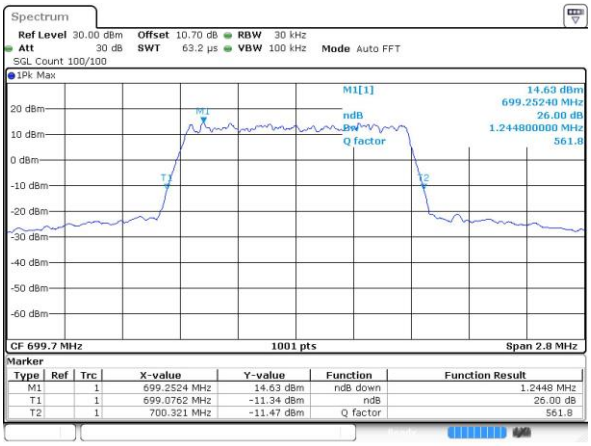
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



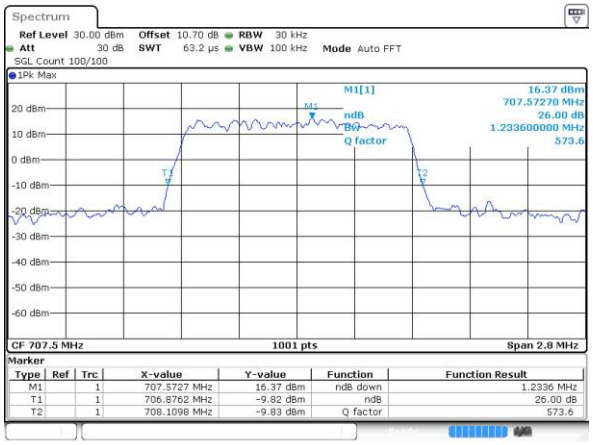
Date: 7.JAN.2019 15:01:45

Lowest Channel / 1.4MHz / 16QAM



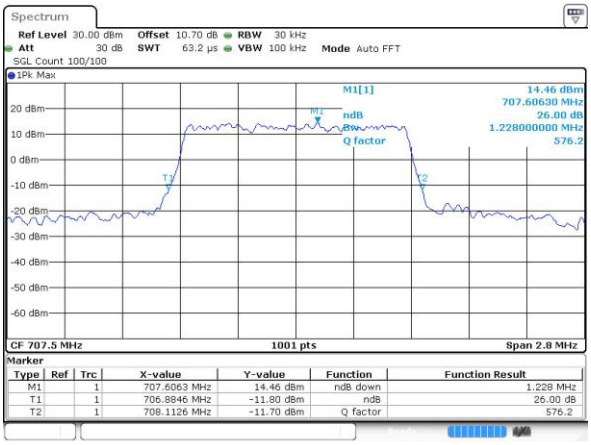
Date: 7.JAN.2019 15:01:33

Middle Channel / 1.4MHz / QPSK



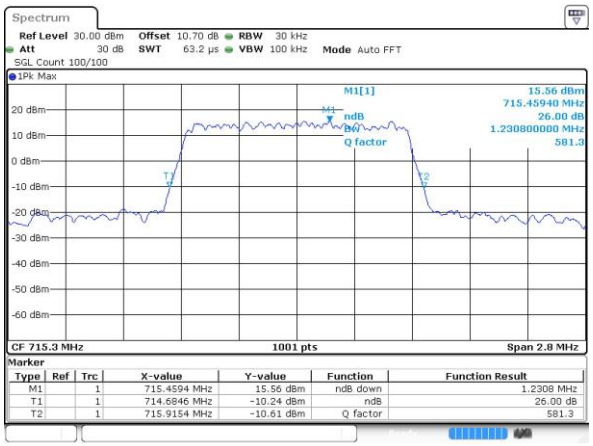
Date: 7.JAN.2019 15:08:20

Middle Channel / 1.4MHz / 16QAM



Date: 7.JAN.2019 15:08:32

Highest Channel / 1.4MHz / QPSK



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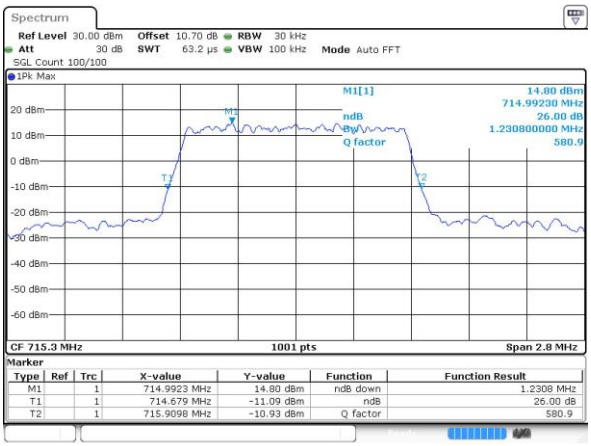
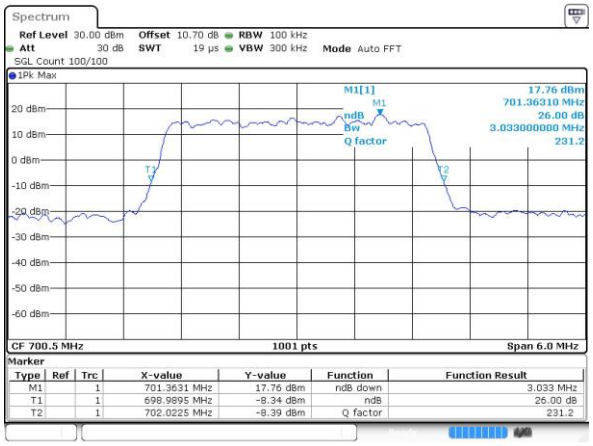
Highest Channel / 1.4MHz / 16QAM



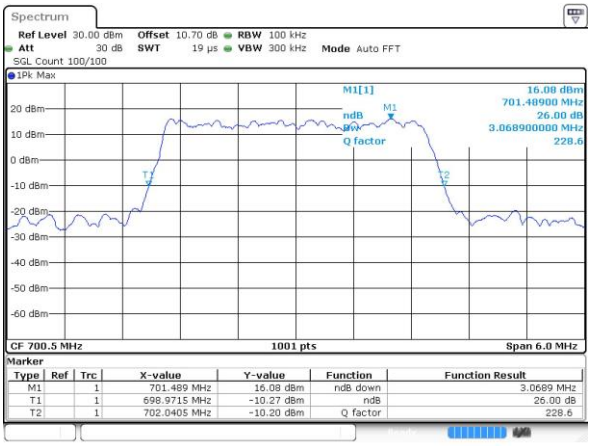
Date: 7.JAN.2019 15:11:06

LTE Band 12

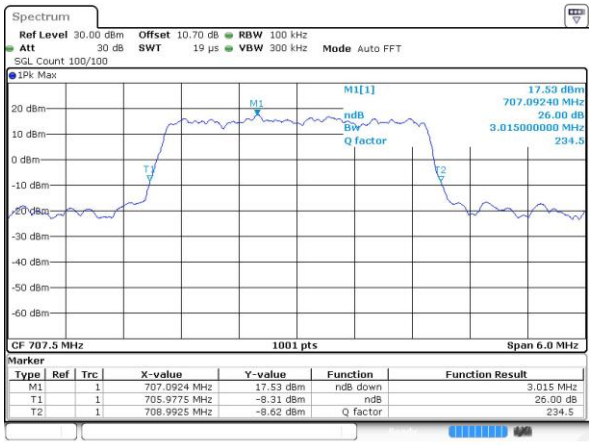
Lowest Channel / 3MHz / QPSK



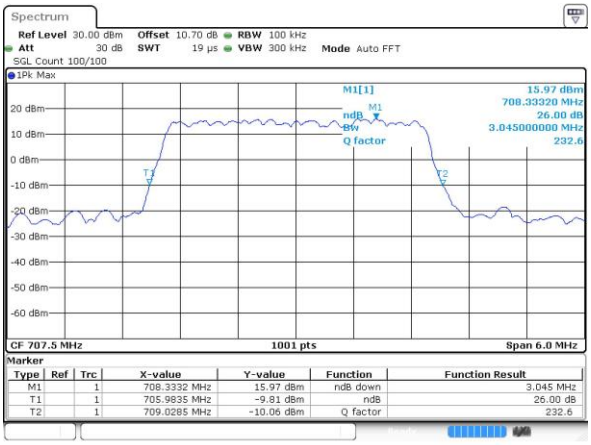
Lowest Channel / 3MHz / 16QAM



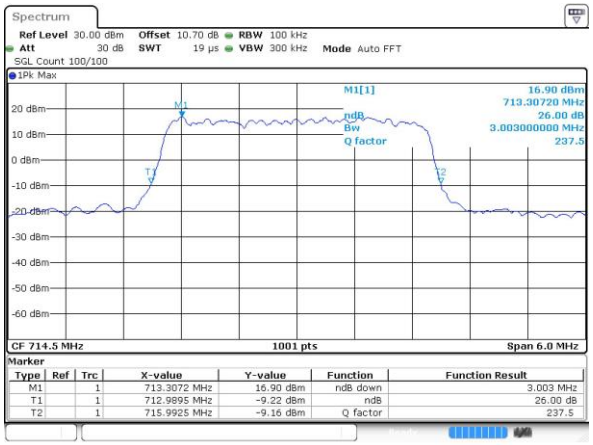
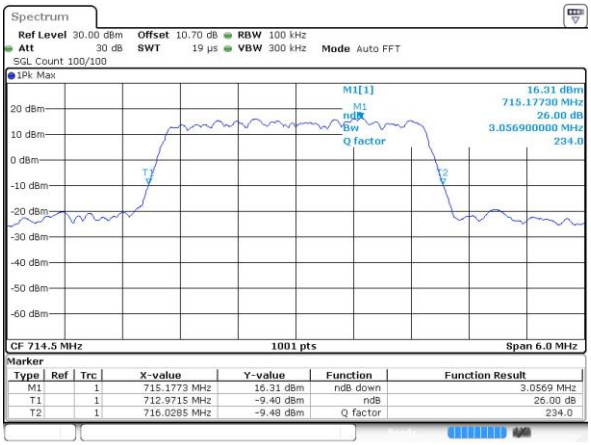
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM