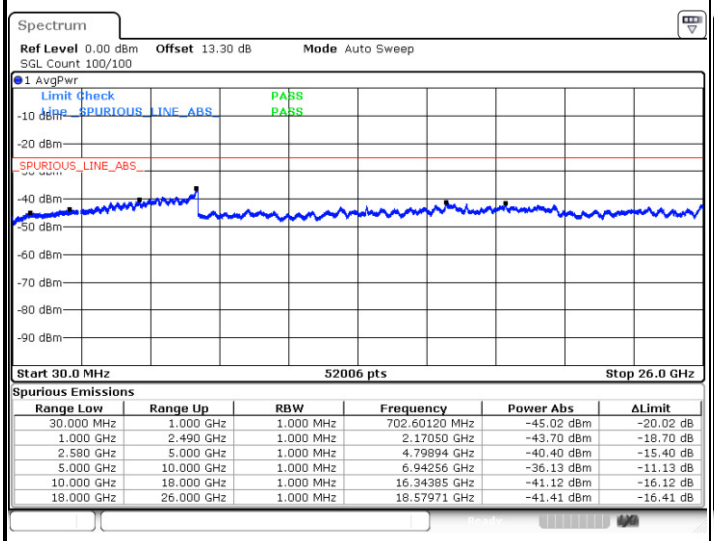
Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

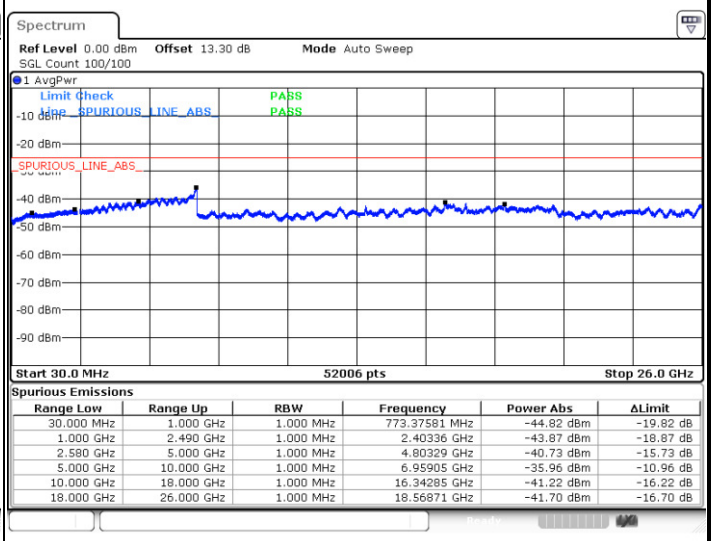


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	702.60120 MHz	-45.02 dBm	-20.02 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.17050 GHz	-43.70 dBm	-18.70 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79894 GHz	-40.40 dBm	-15.40 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94256 GHz	-36.13 dBm	-11.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34385 GHz	-41.12 dBm	-16.12 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57971 GHz	-41.41 dBm	-16.41 dB

Date: 23.FEB.2018 20:38:37

Lowest Channel / 16QAM

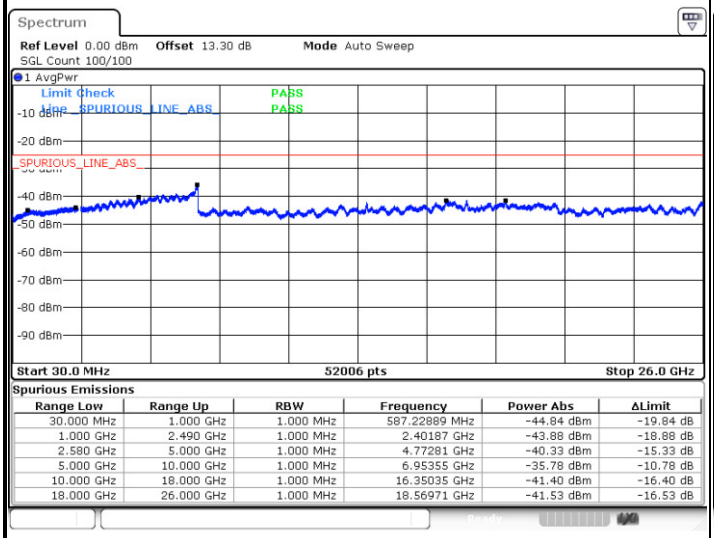


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	773.37581 MHz	-44.82 dBm	-19.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.40336 GHz	-43.87 dBm	-18.87 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80329 GHz	-40.73 dBm	-15.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95905 GHz	-35.96 dBm	-10.96 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34285 GHz	-41.22 dBm	-16.22 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56871 GHz	-41.70 dBm	-16.70 dB

Date: 23.FEB.2018 20:39:34

Middle Channel / QPSK

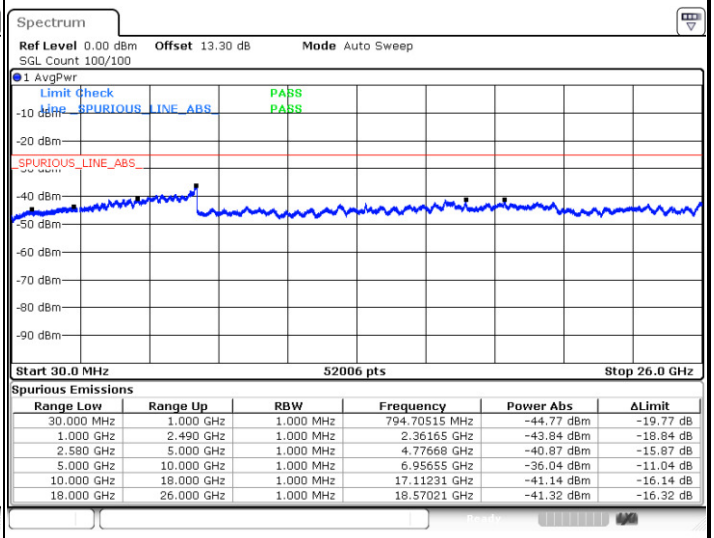


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	587.22889 MHz	-44.84 dBm	-19.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.40187 GHz	-43.88 dBm	-18.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77281 GHz	-40.33 dBm	-15.33 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95355 GHz	-35.78 dBm	-10.78 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.35035 GHz	-41.40 dBm	-16.40 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56971 GHz	-41.53 dBm	-16.53 dB

Date: 23.FEB.2018 20:41:16

Middle Channel / 16QAM



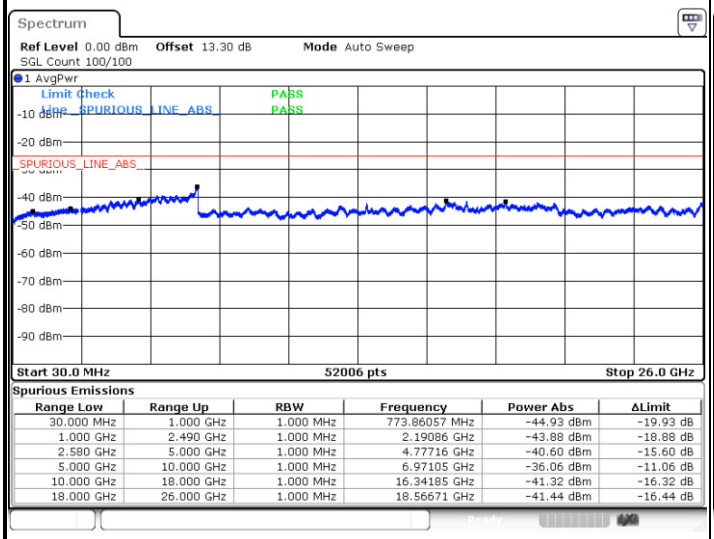
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	794.70515 MHz	-44.77 dBm	-19.77 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.36165 GHz	-43.84 dBm	-18.84 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77668 GHz	-40.87 dBm	-15.87 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95655 GHz	-36.04 dBm	-11.04 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11231 GHz	-41.14 dBm	-16.14 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57021 GHz	-41.32 dBm	-16.32 dB

Date: 23.FEB.2018 20:42:14

LTE Band 7 / 5MHz

Highest Channel / QPSK

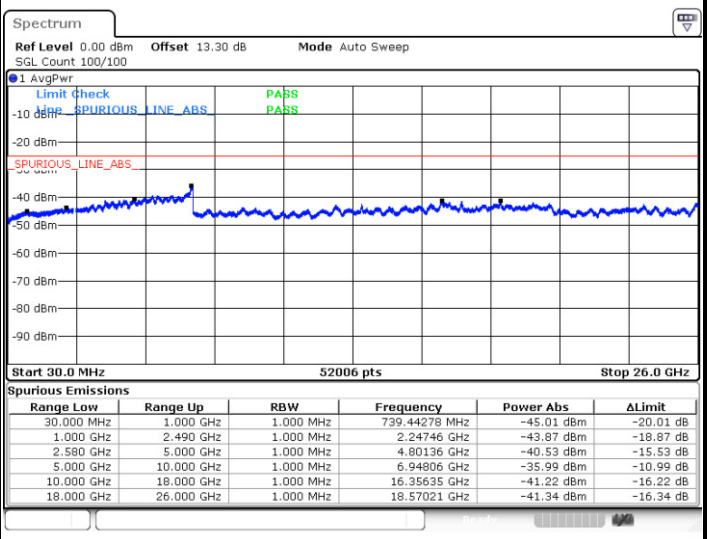


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	773.86057 MHz	-44.93 dBm	-19.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.19086 GHz	-43.88 dBm	-18.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77716 GHz	-40.60 dBm	-15.60 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97105 GHz	-36.06 dBm	-11.06 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34185 GHz	-41.32 dBm	-16.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56671 GHz	-41.44 dBm	-16.44 dB

Date: 23.FEB.2018 20:48:35

Highest Channel / 16QAM



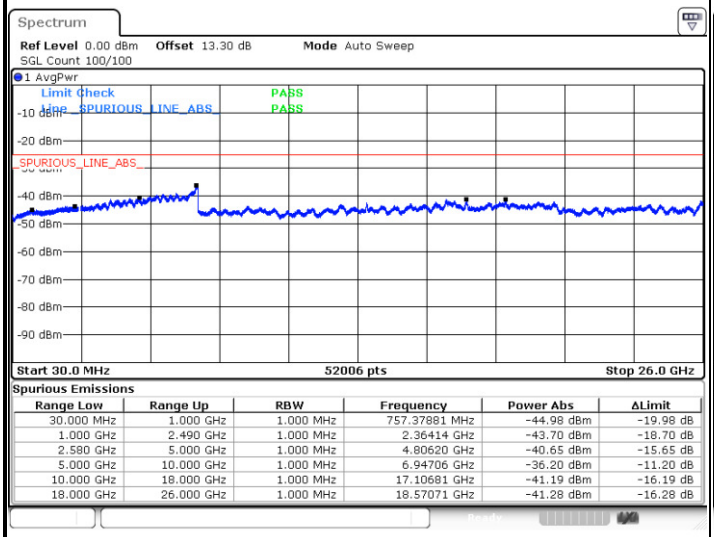
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	739.44278 MHz	-45.01 dBm	-20.01 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.24746 GHz	-43.87 dBm	-18.87 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80136 GHz	-40.53 dBm	-15.53 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94806 GHz	-35.99 dBm	-10.99 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.35635 GHz	-41.22 dBm	-16.22 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57021 GHz	-41.34 dBm	-16.34 dB

Date: 23.FEB.2018 20:49:32

LTE Band 7 / 10MHz

Lowest Channel / QPSK

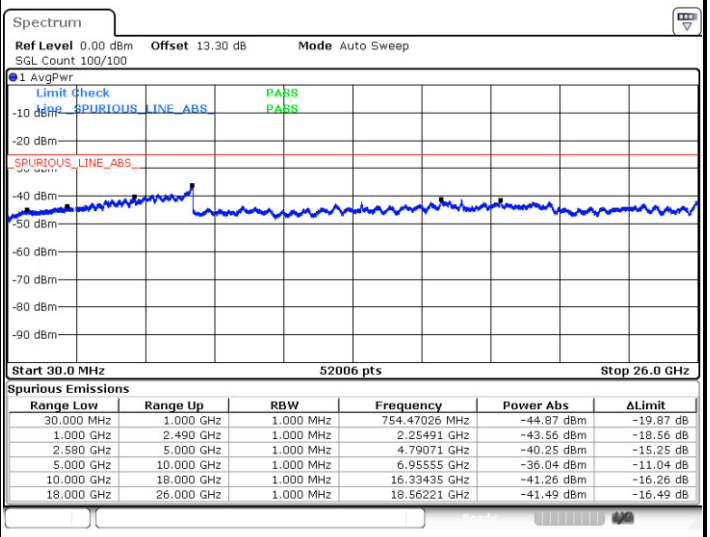


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	757.37881 MHz	-44.98 dBm	-19.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.36414 GHz	-43.70 dBm	-18.70 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80620 GHz	-40.65 dBm	-15.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94706 GHz	-36.20 dBm	-11.20 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10681 GHz	-41.19 dBm	-16.19 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57071 GHz	-41.28 dBm	-16.28 dB

Date: 23.FEB.2018 20:55:51

Lowest Channel / 16QAM



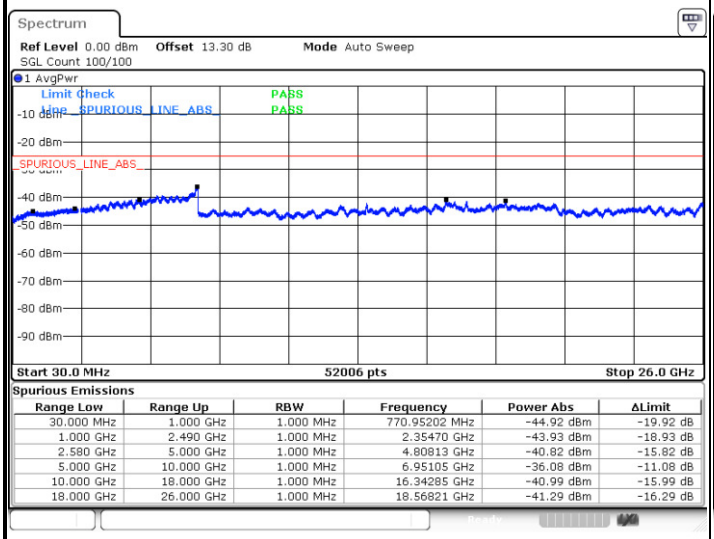
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	754.47026 MHz	-44.87 dBm	-19.87 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.25491 GHz	-43.56 dBm	-18.56 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79071 GHz	-40.25 dBm	-15.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95555 GHz	-36.04 dBm	-11.04 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33435 GHz	-41.26 dBm	-16.26 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56221 GHz	-41.49 dBm	-16.49 dB

Date: 23.FEB.2018 20:56:49

LTE Band 7 / 10MHz

Middle Channel / QPSK

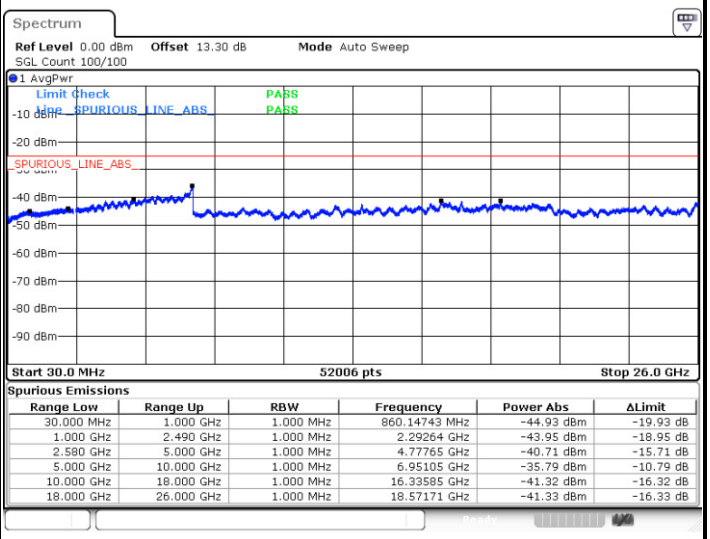


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	770.95202 MHz	-44.92 dBm	-19.92 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.35470 GHz	-43.93 dBm	-18.93 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80813 GHz	-40.82 dBm	-15.82 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95105 GHz	-36.08 dBm	-11.08 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34285 GHz	-40.99 dBm	-15.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56821 GHz	-41.29 dBm	-16.29 dB

Date: 23.FEB.2018 20:58:31

Middle Channel / 16QAM

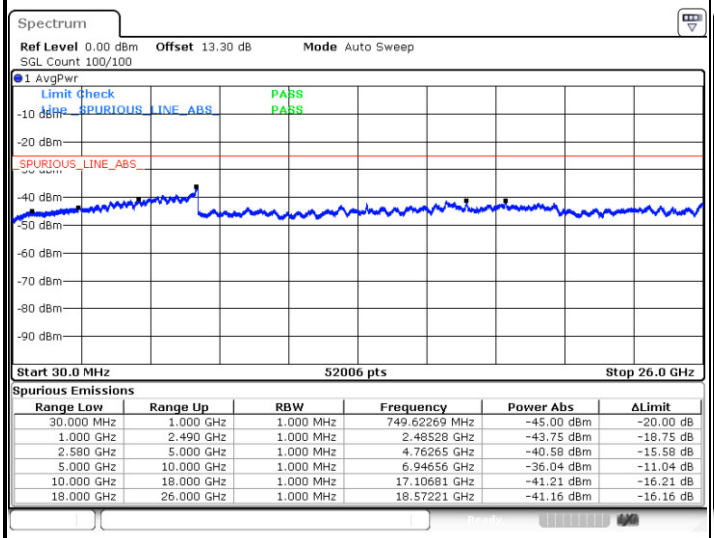


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	860.14743 MHz	-44.93 dBm	-19.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29264 GHz	-43.95 dBm	-18.95 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77765 GHz	-40.71 dBm	-15.71 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95105 GHz	-35.79 dBm	-10.79 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33585 GHz	-41.32 dBm	-16.32 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57171 GHz	-41.33 dBm	-16.33 dB

Date: 23.FEB.2018 20:59:28

Highest Channel / QPSK

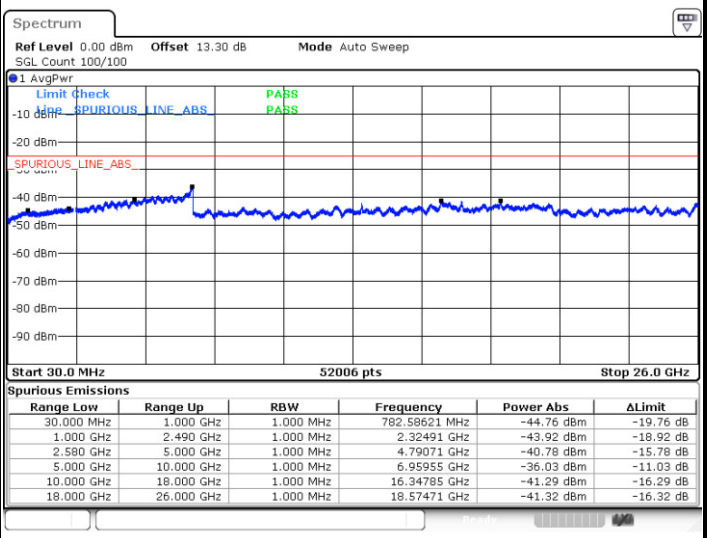


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	749.62269 MHz	-45.00 dBm	-20.00 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48528 GHz	-43.75 dBm	-18.75 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.76265 GHz	-40.58 dBm	-15.58 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94656 GHz	-36.04 dBm	-11.04 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10681 GHz	-41.21 dBm	-16.21 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57221 GHz	-41.16 dBm	-16.16 dB

Date: 23.FEB.2018 21:05:49

Highest Channel / 16QAM



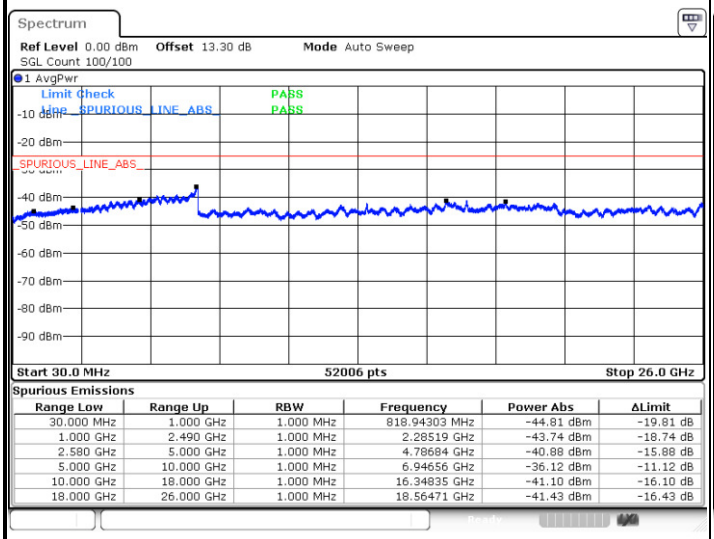
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	782.58621 MHz	-44.76 dBm	-19.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32491 GHz	-43.92 dBm	-18.92 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79071 GHz	-40.78 dBm	-15.78 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95955 GHz	-36.03 dBm	-11.03 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34785 GHz	-41.29 dBm	-16.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57471 GHz	-41.32 dBm	-16.32 dB

Date: 23.FEB.2018 21:06:46

LTE Band 7 / 15MHz

Lowest Channel / QPSK

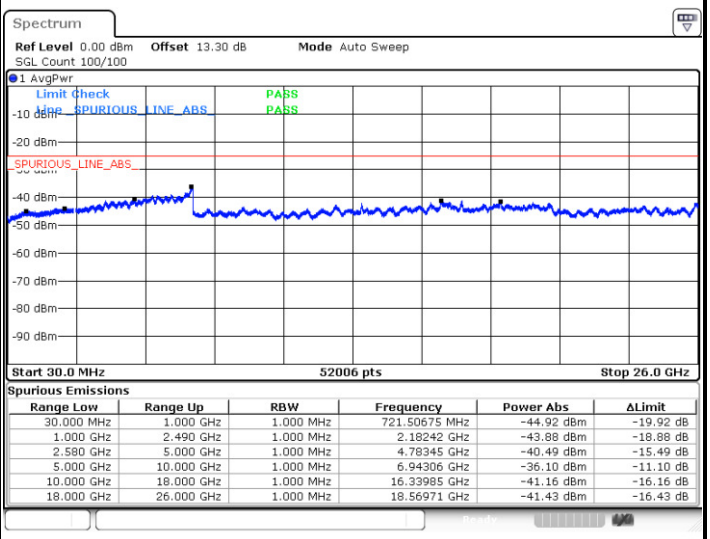


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	818.94303 MHz	-44.81 dBm	-19.81 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.28519 GHz	-43.74 dBm	-18.74 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78684 GHz	-40.88 dBm	-15.88 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94656 GHz	-36.12 dBm	-11.12 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34835 GHz	-41.10 dBm	-16.10 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56471 GHz	-41.43 dBm	-16.43 dB

Date: 23.FEB.2018 21:13:06

Lowest Channel / 16QAM

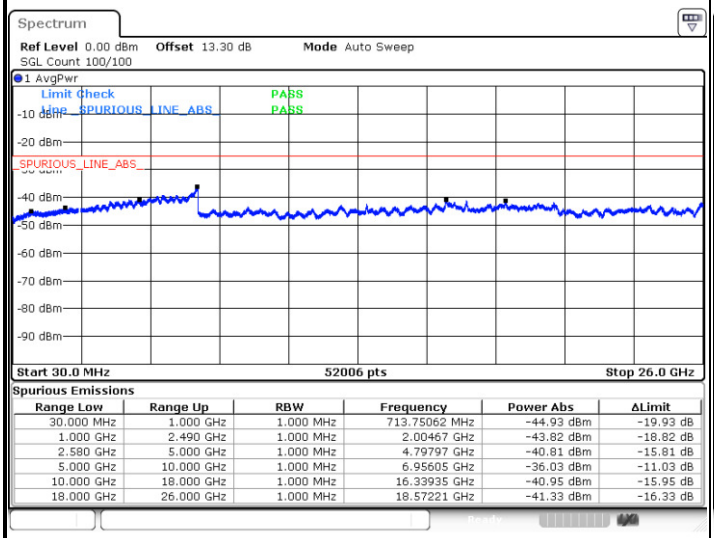


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	721.50675 MHz	-44.92 dBm	-19.92 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.18242 GHz	-43.88 dBm	-18.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78345 GHz	-40.49 dBm	-15.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94306 GHz	-36.10 dBm	-11.10 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33985 GHz	-41.16 dBm	-16.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56971 GHz	-41.43 dBm	-16.43 dB

Date: 23.FEB.2018 21:14:03

Middle Channel / QPSK

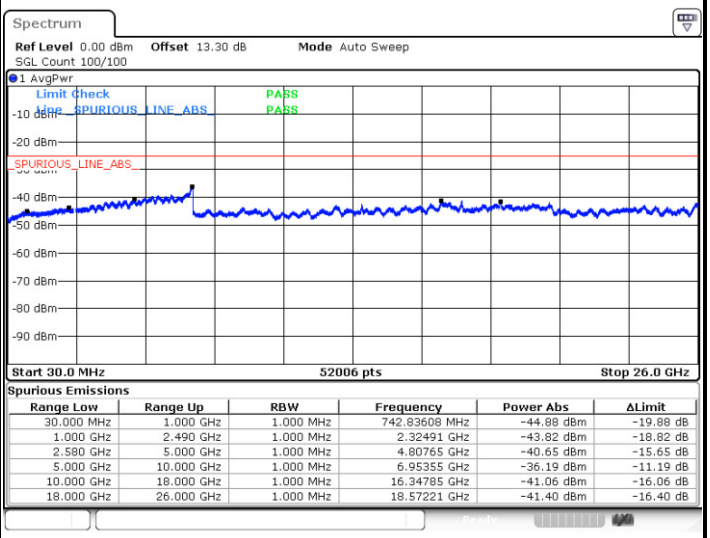


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	713.75062 MHz	-44.93 dBm	-19.93 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.00467 GHz	-43.82 dBm	-18.82 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79797 GHz	-40.81 dBm	-15.81 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95605 GHz	-36.03 dBm	-11.03 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33935 GHz	-40.95 dBm	-15.95 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57221 GHz	-41.33 dBm	-16.33 dB

Date: 23.FEB.2018 21:15:46

Middle Channel / 16QAM



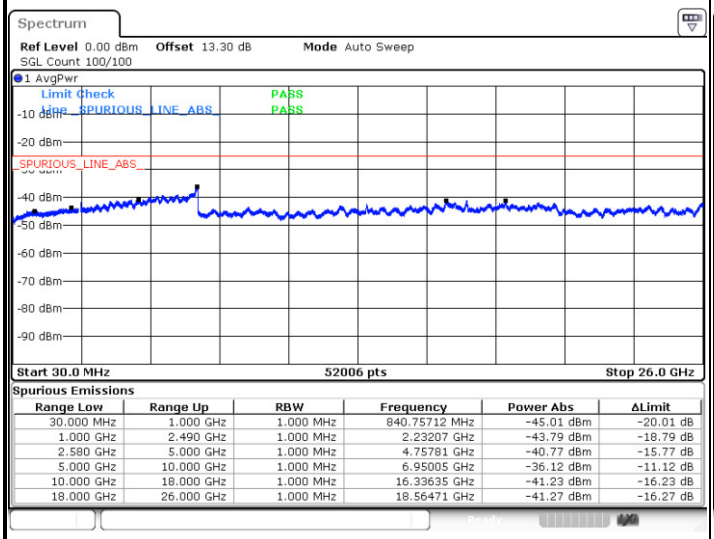
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	742.83608 MHz	-44.88 dBm	-19.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32491 GHz	-43.82 dBm	-18.82 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80765 GHz	-40.65 dBm	-15.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95355 GHz	-36.19 dBm	-11.19 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34785 GHz	-41.06 dBm	-16.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57221 GHz	-41.40 dBm	-16.40 dB

Date: 23.FEB.2018 21:16:44

LTE Band 7 / 15MHz

Highest Channel / QPSK

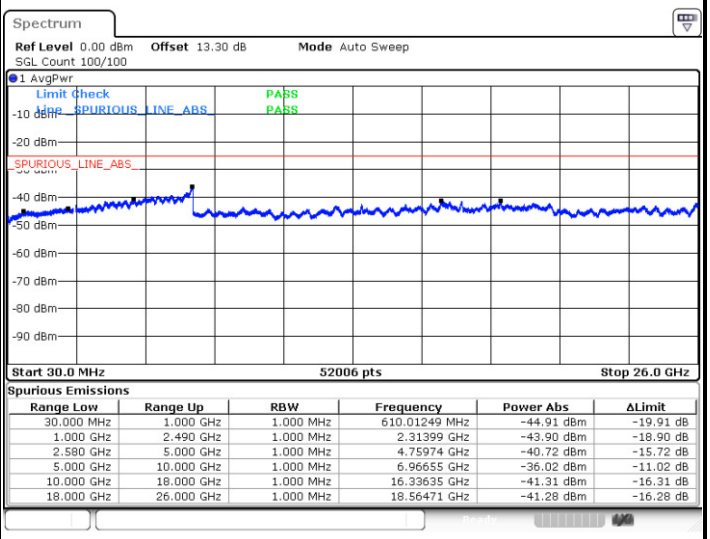


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	840.75712 MHz	-45.01 dBm	-20.01 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.23207 GHz	-43.79 dBm	-18.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.75781 GHz	-40.77 dBm	-15.77 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95005 GHz	-36.12 dBm	-11.12 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33635 GHz	-41.23 dBm	-16.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56471 GHz	-41.27 dBm	-16.27 dB

Date: 23.FEB.2018 21:23:04

Highest Channel / 16QAM



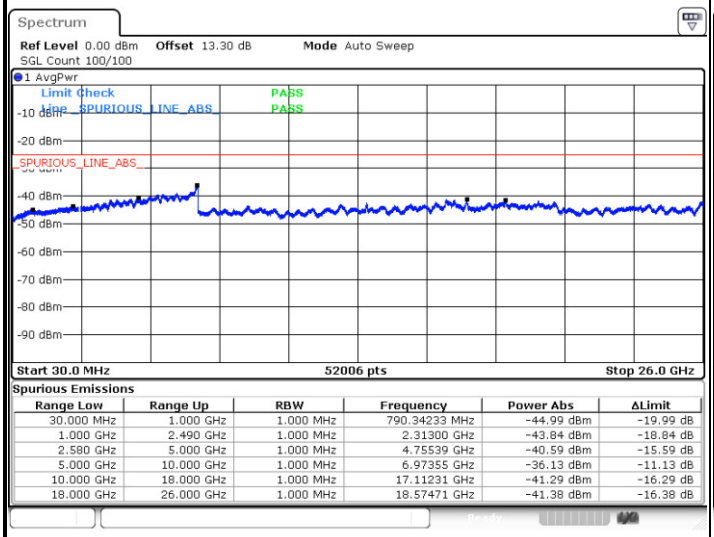
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	610.01249 MHz	-44.91 dBm	-19.91 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31399 GHz	-43.90 dBm	-18.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.75974 GHz	-40.72 dBm	-15.72 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96655 GHz	-36.02 dBm	-11.02 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33635 GHz	-41.31 dBm	-16.31 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56471 GHz	-41.28 dBm	-16.28 dB

Date: 23.FEB.2018 21:24:01

LTE Band 7 / 20MHz

Lowest Channel / QPSK

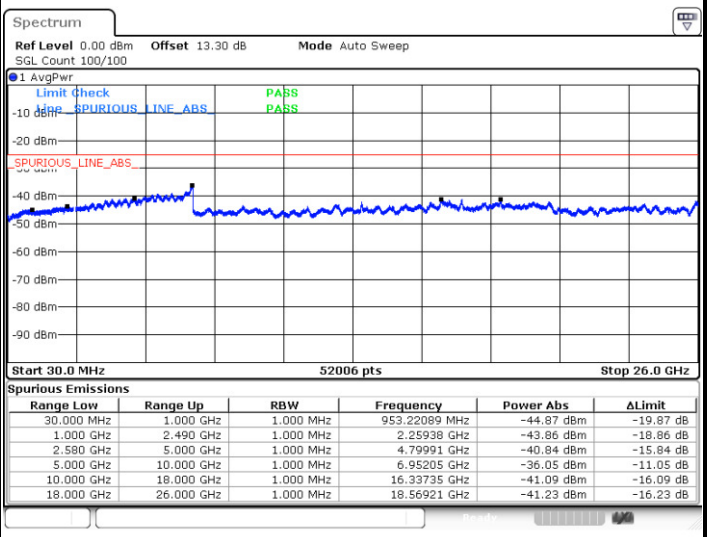


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	790.34233 MHz	-44.99 dBm	-19.99 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31300 GHz	-43.84 dBm	-18.84 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.75539 GHz	-40.59 dBm	-15.59 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97355 GHz	-36.13 dBm	-11.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11231 GHz	-41.29 dBm	-16.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57471 GHz	-41.38 dBm	-16.38 dB

Date: 23.FEB.2018 21:30:22

Lowest Channel / 16QAM



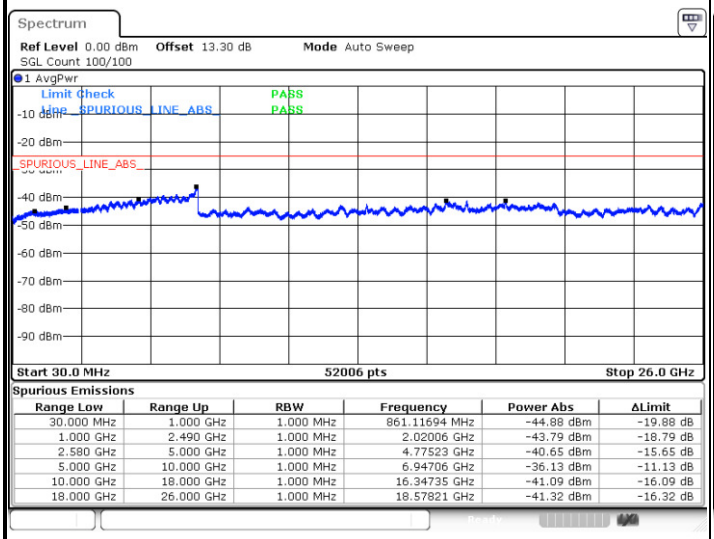
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-44.87 dBm	-19.87 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.25938 GHz	-43.86 dBm	-18.86 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79991 GHz	-40.84 dBm	-15.84 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95205 GHz	-36.05 dBm	-11.05 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33735 GHz	-41.09 dBm	-16.09 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56921 GHz	-41.23 dBm	-16.23 dB

Date: 23.FEB.2018 21:31:20

LTE Band 7 / 20MHz

Middle Channel / QPSK

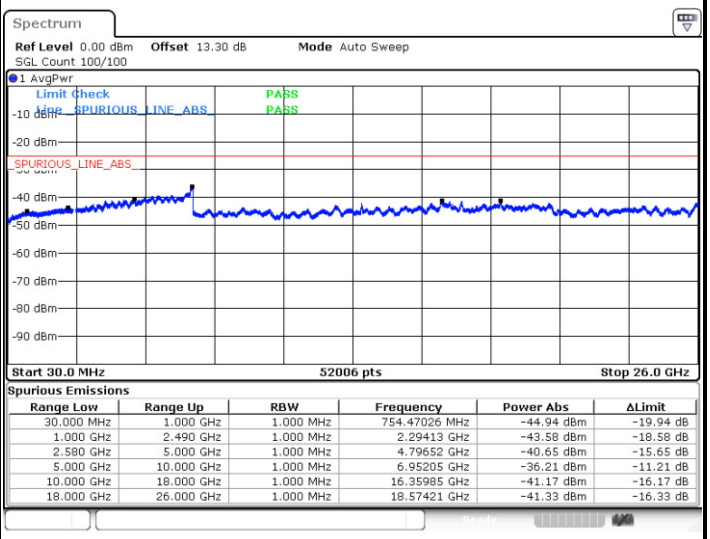


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.11694 MHz	-44.88 dBm	-19.88 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.02006 GHz	-43.79 dBm	-18.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77523 GHz	-40.65 dBm	-15.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94706 GHz	-36.13 dBm	-11.13 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34735 GHz	-41.09 dBm	-16.09 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57821 GHz	-41.32 dBm	-16.32 dB

Date: 23.FEB.2018 21:33:03

Middle Channel / 16QAM

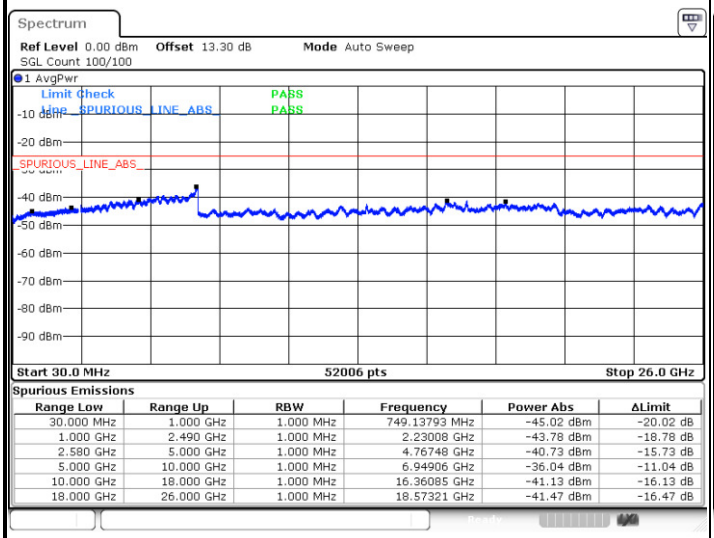


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	754.47026 MHz	-44.94 dBm	-19.94 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29413 GHz	-43.58 dBm	-18.58 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79652 GHz	-40.65 dBm	-15.65 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95205 GHz	-36.21 dBm	-11.21 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.35985 GHz	-41.17 dBm	-16.17 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57421 GHz	-41.33 dBm	-16.33 dB

Date: 23.FEB.2018 21:34:00

Highest Channel / QPSK

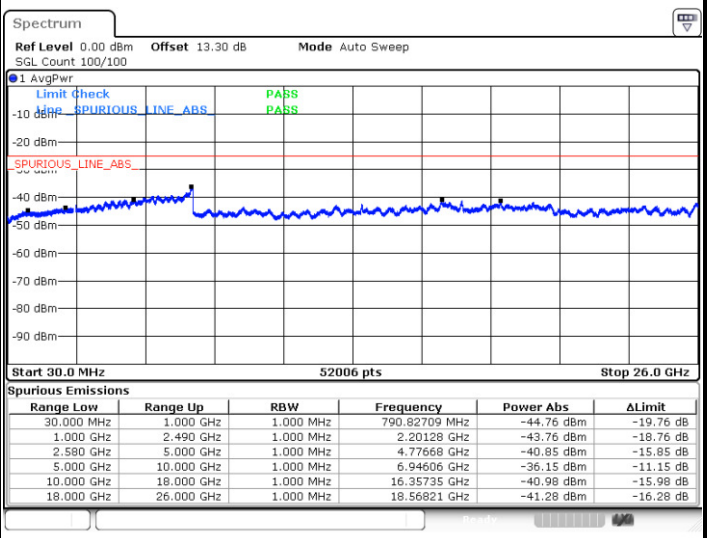


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	749.13793 MHz	-45.02 dBm	-20.02 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.23008 GHz	-43.78 dBm	-18.78 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.76748 GHz	-40.73 dBm	-15.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94906 GHz	-36.04 dBm	-11.04 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.36085 GHz	-41.13 dBm	-16.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57321 GHz	-41.47 dBm	-16.47 dB

Date: 23.FEB.2018 21:40:21

Highest Channel / 16QAM



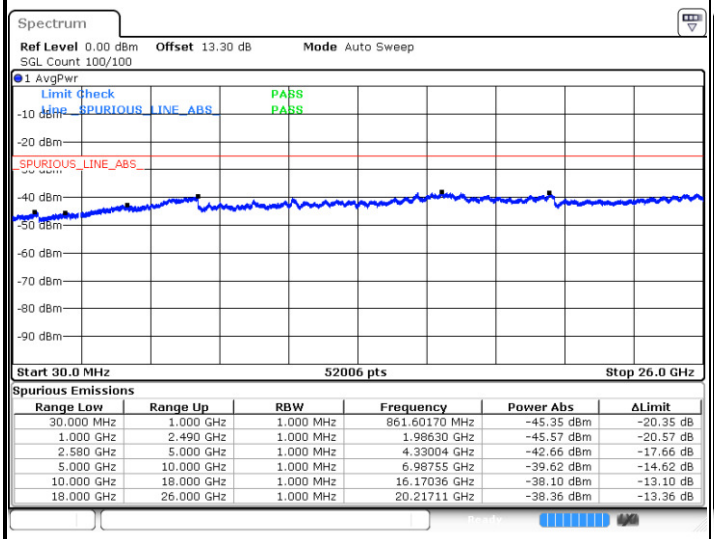
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	790.82709 MHz	-44.76 dBm	-19.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.20128 GHz	-43.76 dBm	-18.76 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77668 GHz	-40.85 dBm	-15.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94606 GHz	-36.15 dBm	-11.15 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.35735 GHz	-40.98 dBm	-15.98 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56821 GHz	-41.28 dBm	-16.28 dB

Date: 23.FEB.2018 21:41:18

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

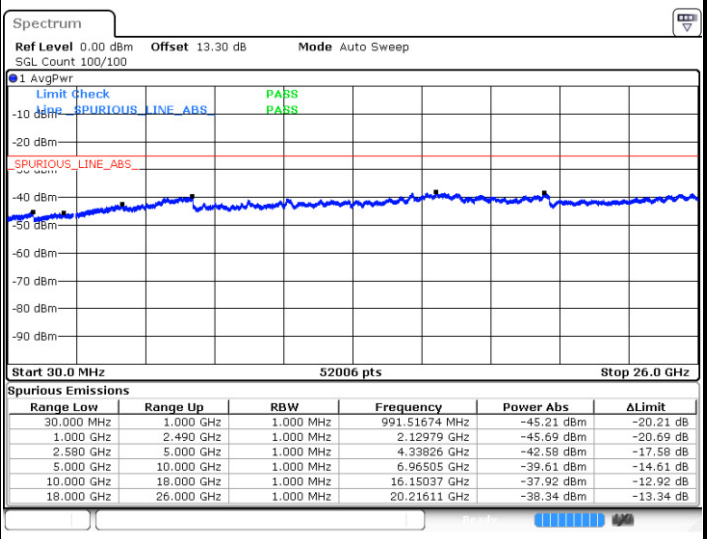


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	861.60170 MHz	-45.35 dBm	-20.35 dB
1.000 GHz	2.490 GHz	1.000 MHz	1.98630 GHz	-45.57 dBm	-20.57 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33004 GHz	-42.66 dBm	-17.66 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98755 GHz	-39.62 dBm	-14.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.17036 GHz	-38.10 dBm	-13.10 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.21711 GHz	-38.36 dBm	-13.36 dB

Date: 26.FEB.2018 21:53:22

Middle Channel / 64QAM

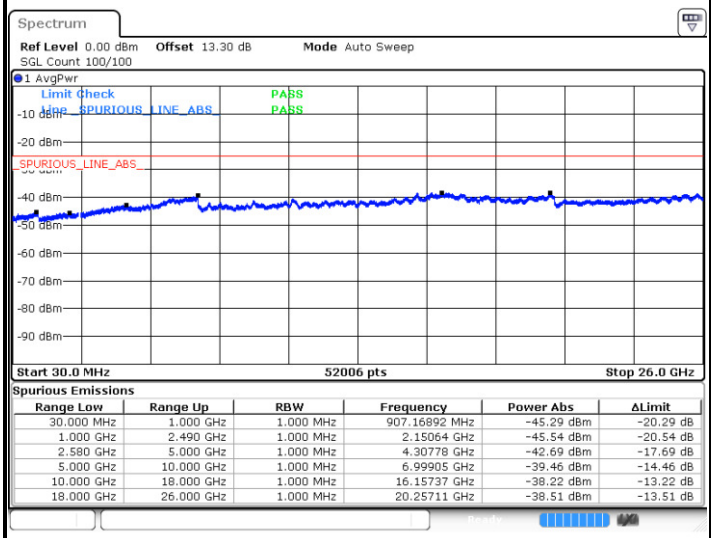


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-45.21 dBm	-20.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.12979 GHz	-45.69 dBm	-20.69 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33826 GHz	-42.58 dBm	-17.58 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96505 GHz	-39.61 dBm	-14.61 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.15037 GHz	-37.92 dBm	-12.92 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.21611 GHz	-38.34 dBm	-13.34 dB

Date: 26.FEB.2018 21:54:35

Highest Channel / 64QAM



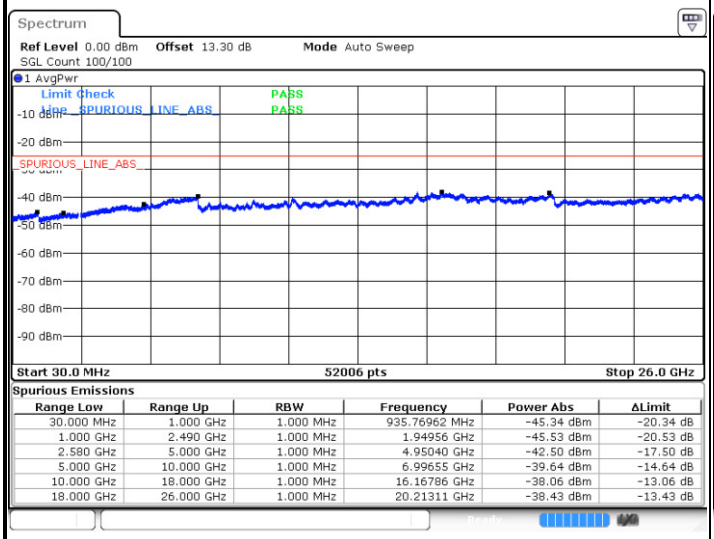
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.16892 MHz	-45.29 dBm	-20.29 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15064 GHz	-45.54 dBm	-20.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.30778 GHz	-42.69 dBm	-17.69 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99905 GHz	-39.46 dBm	-14.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.15737 GHz	-38.22 dBm	-13.22 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.25711 GHz	-38.51 dBm	-13.51 dB

Date: 26.FEB.2018 21:58:02

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

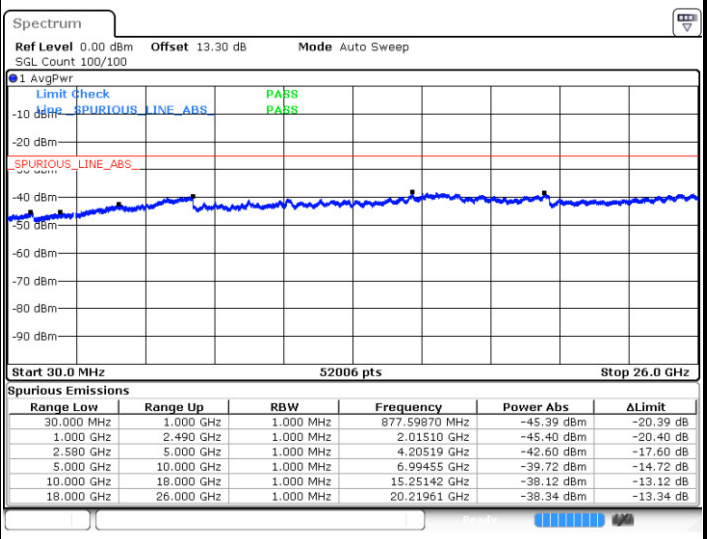


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-45.34 dBm	-20.34 dB
1.000 GHz	2.490 GHz	1.000 MHz	1.94956 GHz	-45.53 dBm	-20.53 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.95040 GHz	-42.50 dBm	-17.50 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99655 GHz	-39.64 dBm	-14.64 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.16786 GHz	-38.06 dBm	-13.06 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.21311 GHz	-38.43 dBm	-13.43 dB

Date: 26.FEB.2018 22:01:29

Middle Channel / 64QAM

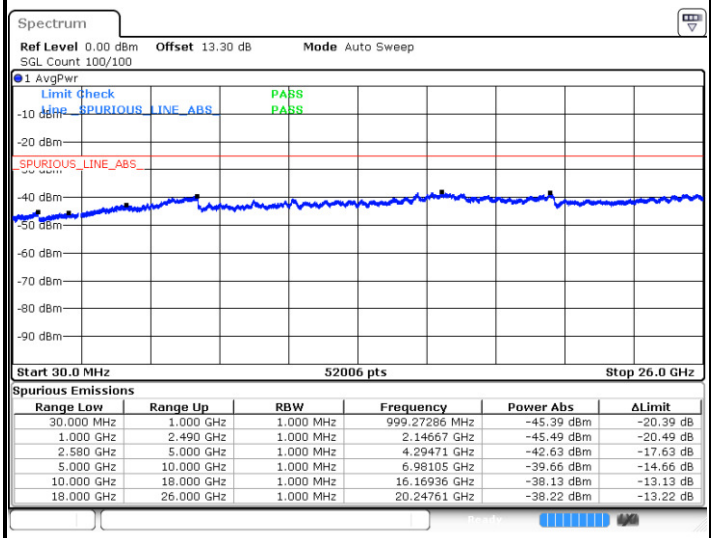


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-45.39 dBm	-20.39 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.01510 GHz	-45.40 dBm	-20.40 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.20519 GHz	-42.60 dBm	-17.60 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99455 GHz	-39.72 dBm	-14.72 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.25142 GHz	-38.12 dBm	-13.12 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.21961 GHz	-38.34 dBm	-13.34 dB

Date: 26.FEB.2018 22:02:42

Highest Channel / 64QAM



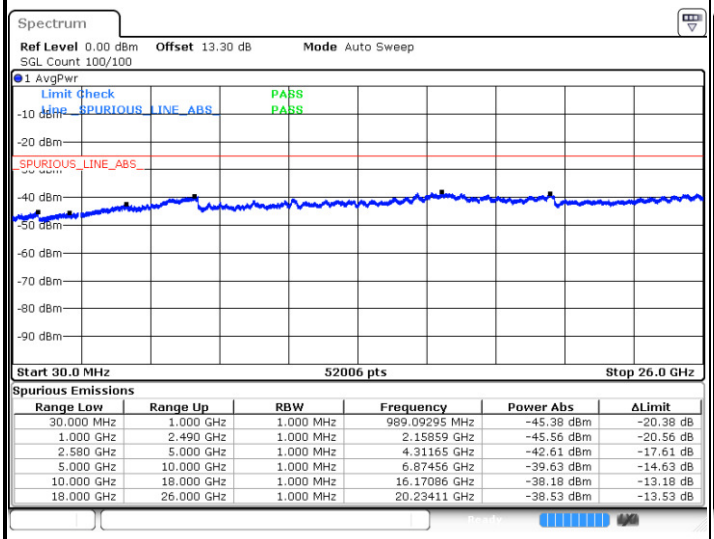
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-45.39 dBm	-20.39 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.14667 GHz	-45.49 dBm	-20.49 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29471 GHz	-42.63 dBm	-17.63 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98105 GHz	-39.66 dBm	-14.66 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.16936 GHz	-38.13 dBm	-13.13 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.24761 GHz	-38.22 dBm	-13.22 dB

Date: 26.FEB.2018 22:06:09

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

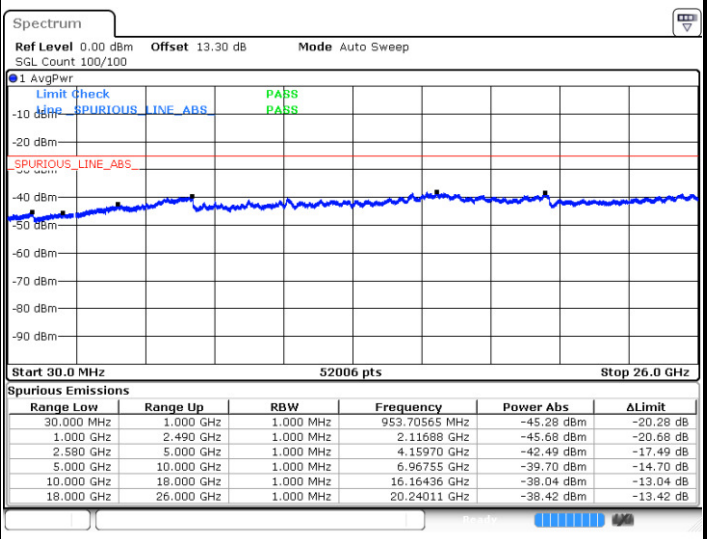


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.09295 MHz	-45.38 dBm	-20.38 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.15859 GHz	-45.56 dBm	-20.56 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31165 GHz	-42.61 dBm	-17.61 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.87456 GHz	-39.63 dBm	-14.63 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.17086 GHz	-38.18 dBm	-13.18 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.23411 GHz	-38.53 dBm	-13.53 dB

Date: 26.FEB.2018 22:09:36

Middle Channel / 64QAM

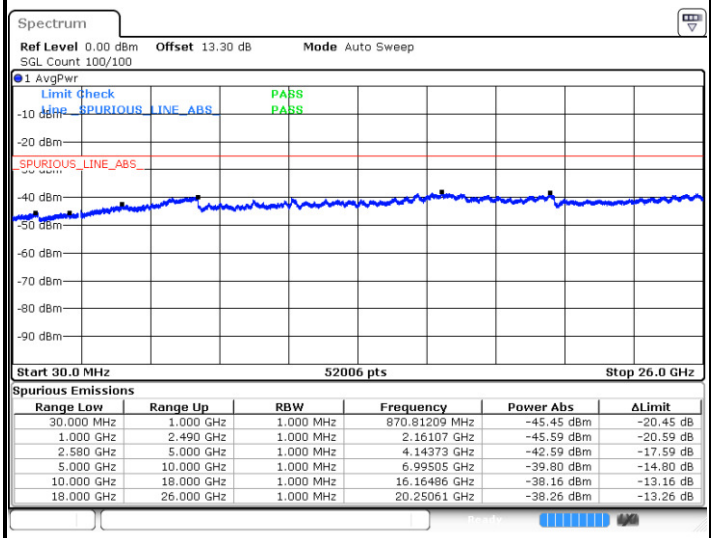


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-45.28 dBm	-20.28 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11688 GHz	-45.68 dBm	-20.68 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.15970 GHz	-42.49 dBm	-17.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96755 GHz	-39.70 dBm	-14.70 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.16436 GHz	-38.04 dBm	-13.04 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.24011 GHz	-38.42 dBm	-13.42 dB

Date: 26.FEB.2018 22:10:49

Highest Channel / 64QAM



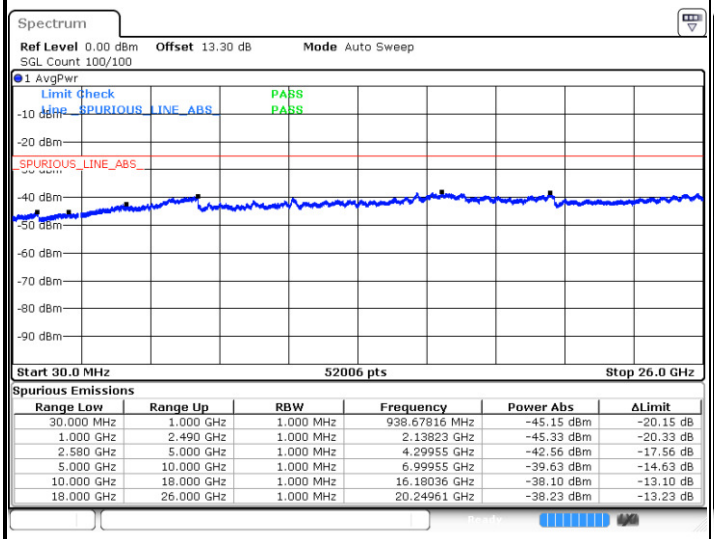
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-45.45 dBm	-20.45 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.16107 GHz	-45.59 dBm	-20.59 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.14373 GHz	-42.59 dBm	-17.59 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99505 GHz	-39.80 dBm	-14.80 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.16486 GHz	-38.16 dBm	-13.16 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.25061 GHz	-38.26 dBm	-13.26 dB

Date: 26.FEB.2018 22:14:17

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

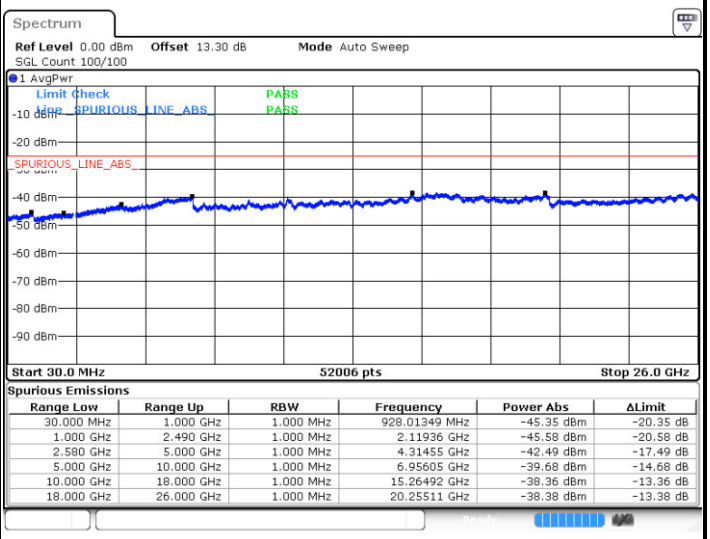


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-45.15 dBm	-20.15 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.13823 GHz	-45.33 dBm	-20.33 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29955 GHz	-42.56 dBm	-17.56 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99955 GHz	-39.63 dBm	-14.63 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.18036 GHz	-38.10 dBm	-13.10 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.24951 GHz	-38.23 dBm	-13.23 dB

Date: 26.FEB.2018 22:17:46

Middle Channel / 64QAM

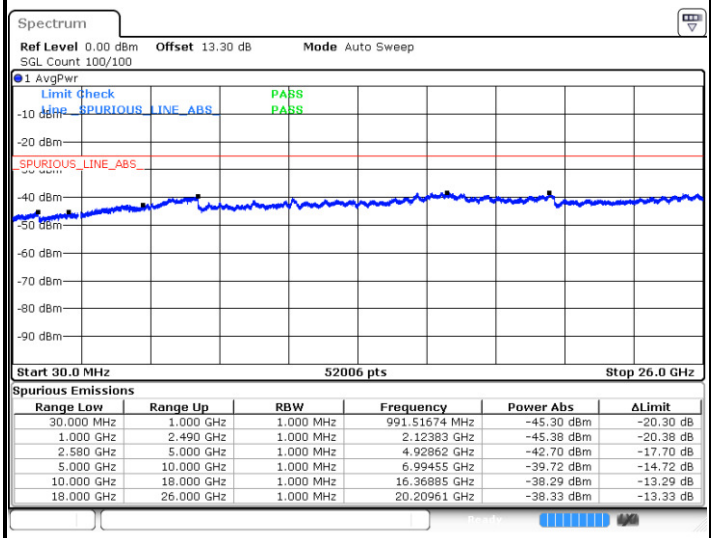


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-45.35 dBm	-20.35 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11936 GHz	-45.58 dBm	-20.58 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.31455 GHz	-42.49 dBm	-17.49 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95605 GHz	-39.68 dBm	-14.68 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.26492 GHz	-38.36 dBm	-13.36 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.25511 GHz	-38.38 dBm	-13.38 dB

Date: 26.FEB.2018 22:18:58

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-45.30 dBm	-20.30 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.12383 GHz	-45.38 dBm	-20.38 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.92862 GHz	-42.70 dBm	-17.70 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.99455 GHz	-39.72 dBm	-14.72 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.36885 GHz	-38.29 dBm	-13.29 dB
18.000 GHz	26.000 GHz	1.000 MHz	20.20961 GHz	-38.33 dBm	-13.33 dB

Date: 26.FEB.2018 22:22:26

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	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

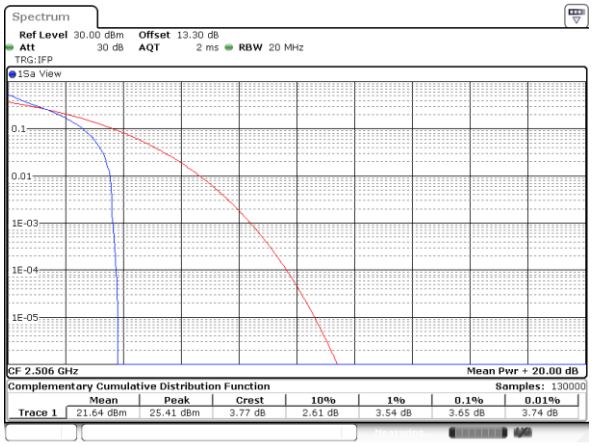
LTE Band 41

Peak-to-Average Ratio

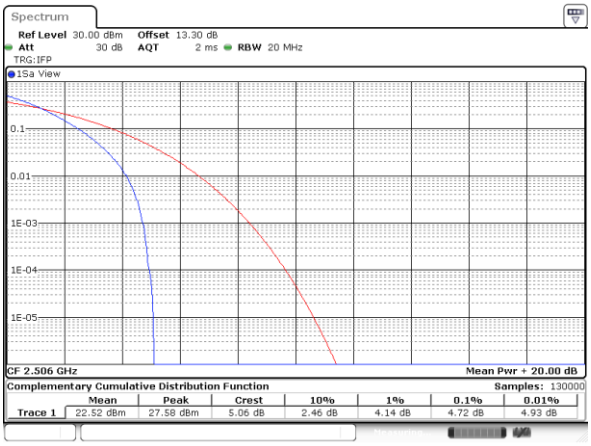
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.72	4.46	5.83	PASS
Middle CH	4.70	5.07	5.48	6.12	
Highest CH	3.91	4.96	4.96	5.94	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.28	6.41	-	-	PASS
Middle CH	6.41	6.67	-	-	
Highest CH	5.51	6.43	-	-	

LTE Band 41 / 20MHz / QPSK

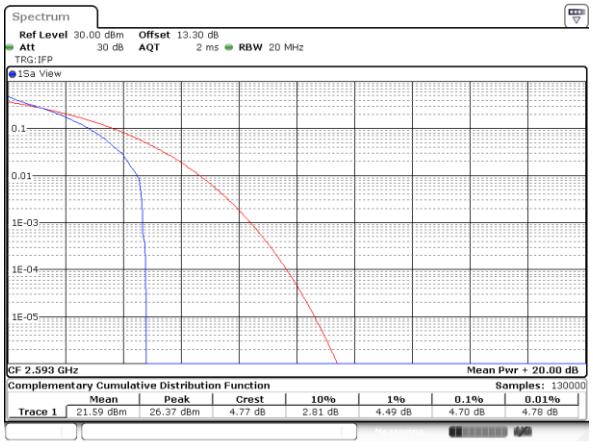
Lowest Channel / 1RB



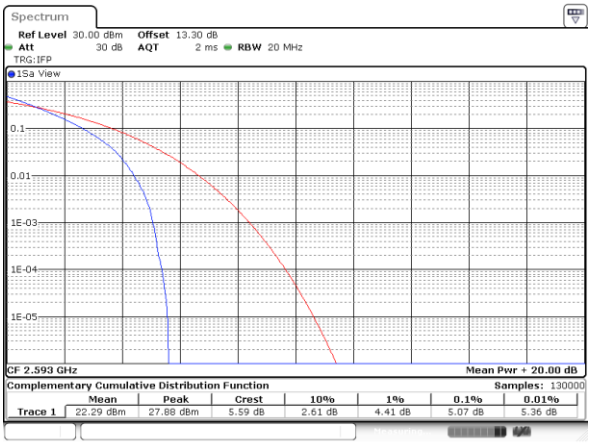
Lowest Channel / Full RB



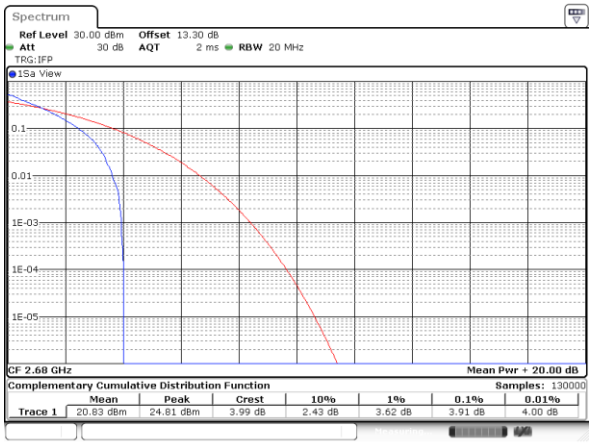
Middle Channel / 1RB



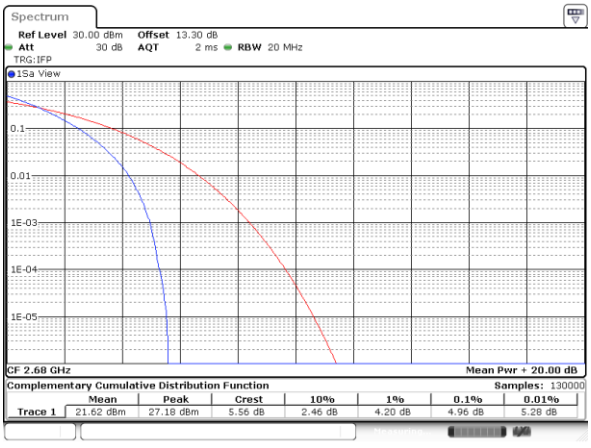
Middle Channel / Full RB



Highest Channel / 1RB

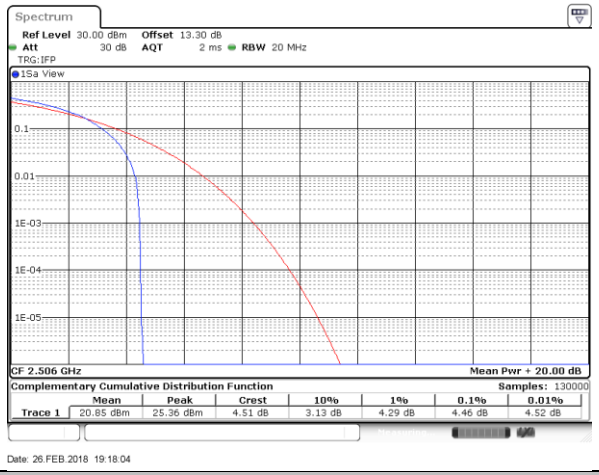


Highest Channel / Full RB

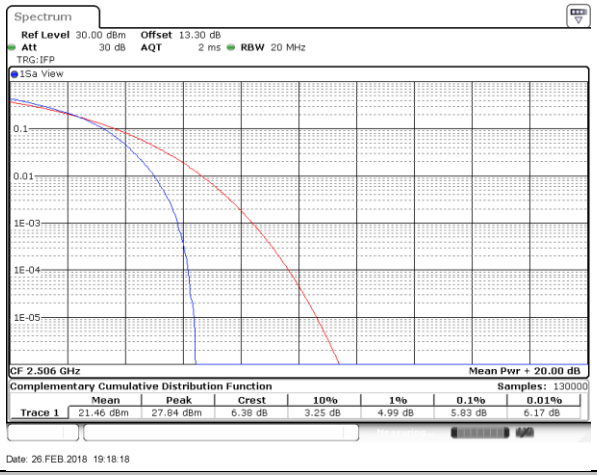


LTE Band 41 / 20MHz / 16QAM

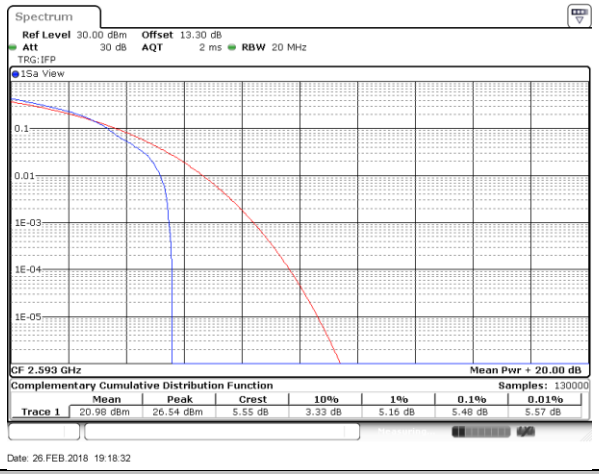
Lowest Channel / 1RB



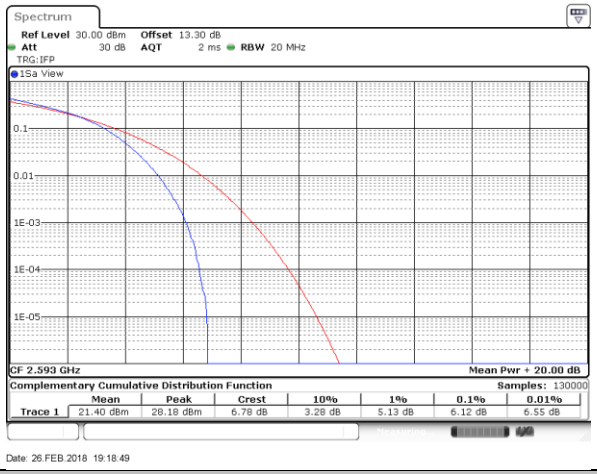
Lowest Channel / Full RB



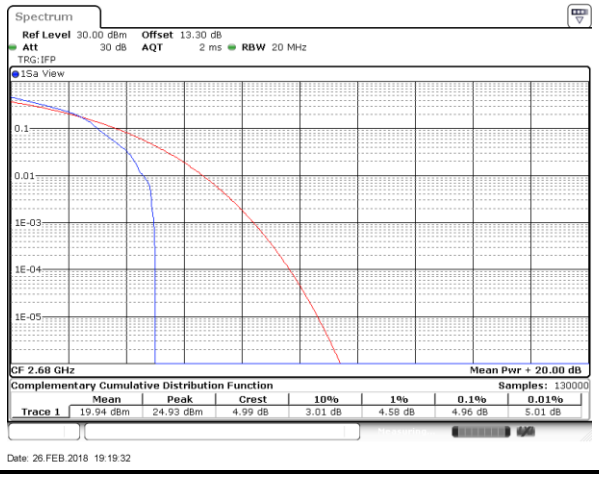
Middle Channel / 1RB



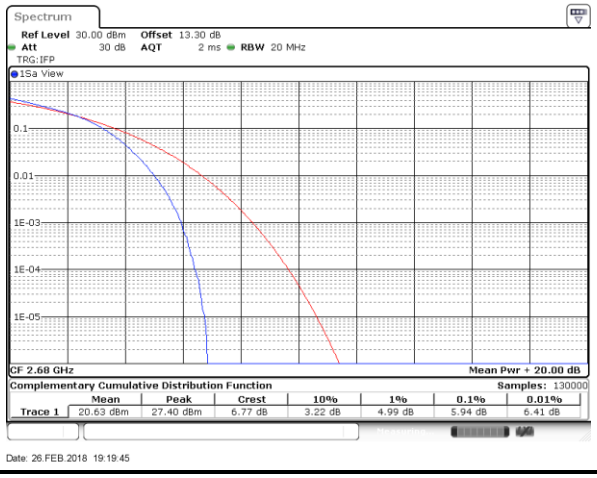
Middle Channel / Full RB



Highest Channel / 1RB

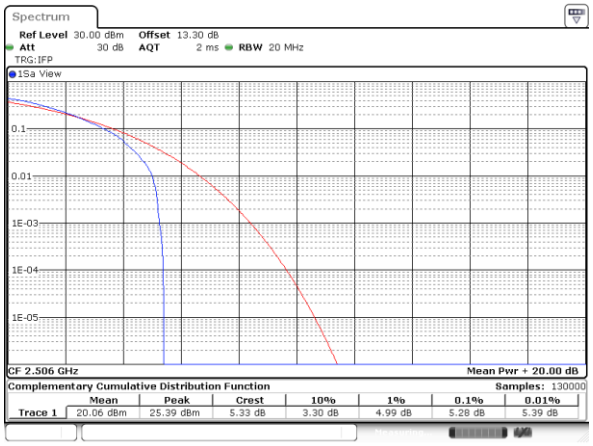


Highest Channel / Full RB

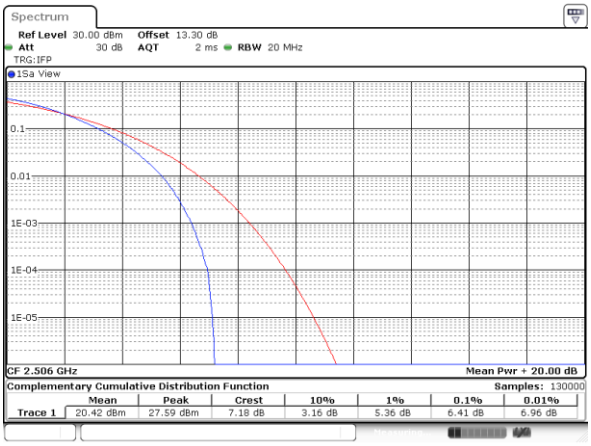


LTE Band 41 / 20MHz / 64QAM

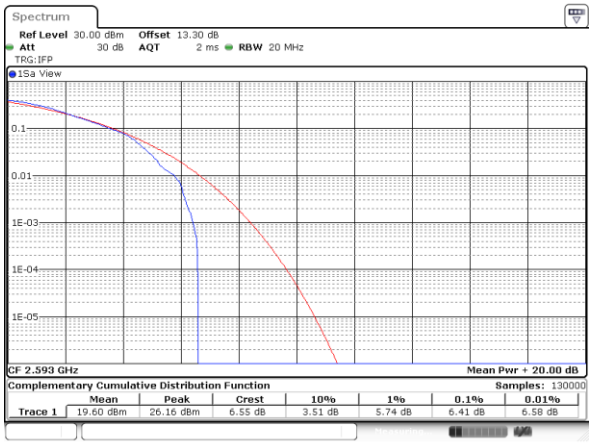
Lowest Channel / 1RB



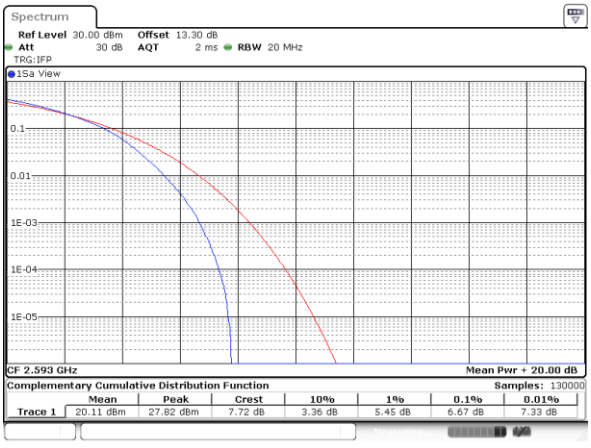
Lowest Channel / Full RB



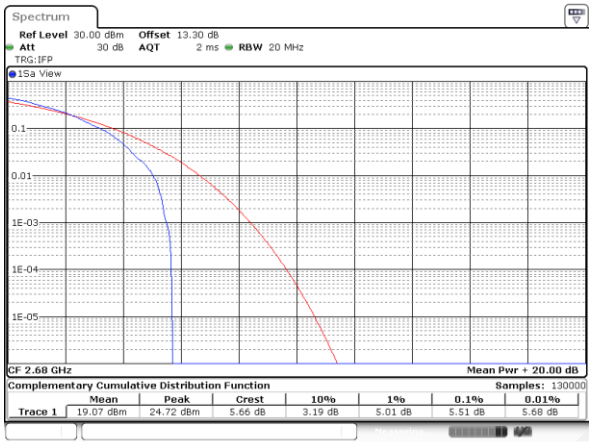
Middle Channel / 1RB



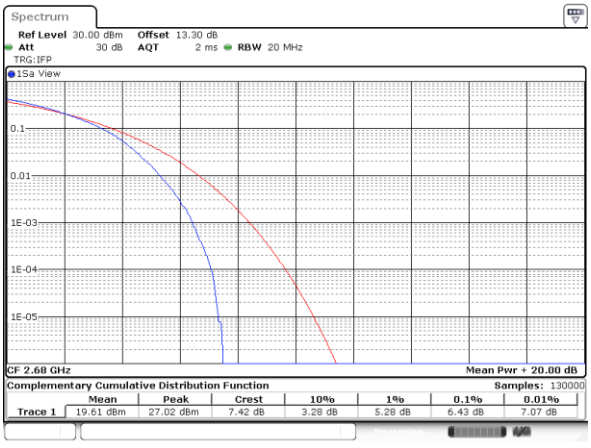
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

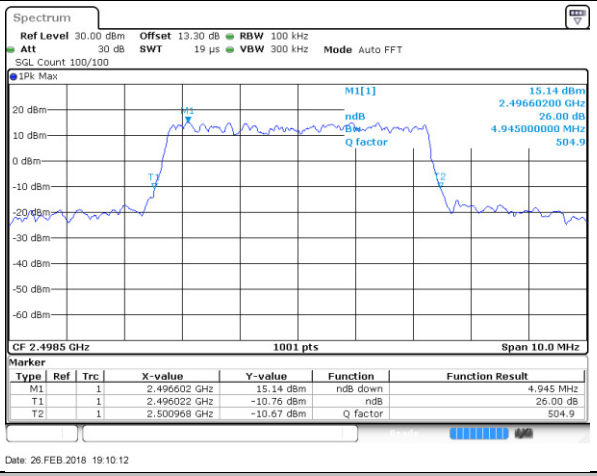


26dB Bandwidth

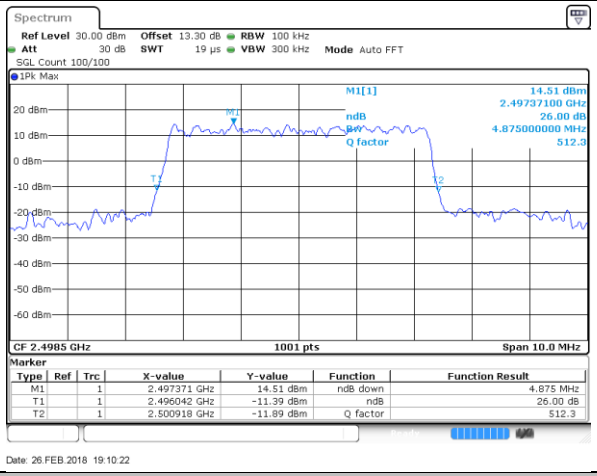
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	4.88	9.85	9.61	14.15	14.21	20.02	20.26
Middle CH	-	-	-	-	4.87	4.84	9.63	9.65	14.15	14.45	19.98	20.14
Highest CH	-	-	-	-	4.93	4.70	9.77	9.63	14.48	14.42	20.02	20.14
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.74	-	9.71	-	14.27	-	20.06	-
Middle CH	-	-	-	-	4.88	-	9.81	-	14.15	-	19.98	-
Highest CH	-	-	-	-	4.86	-	9.75	-	14.24	-	20.10	-

LTE Band 41

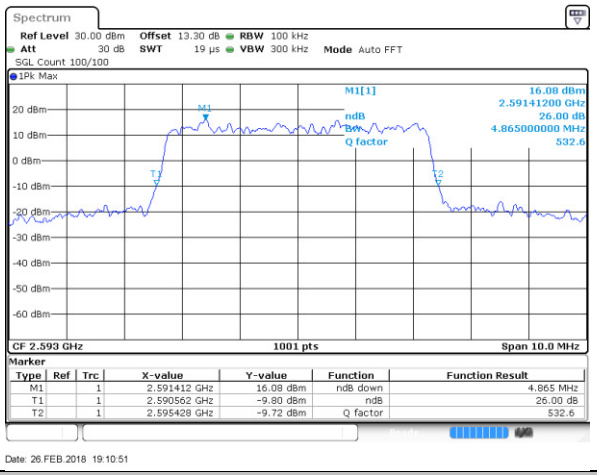
Lowest Channel / 5MHz / QPSK



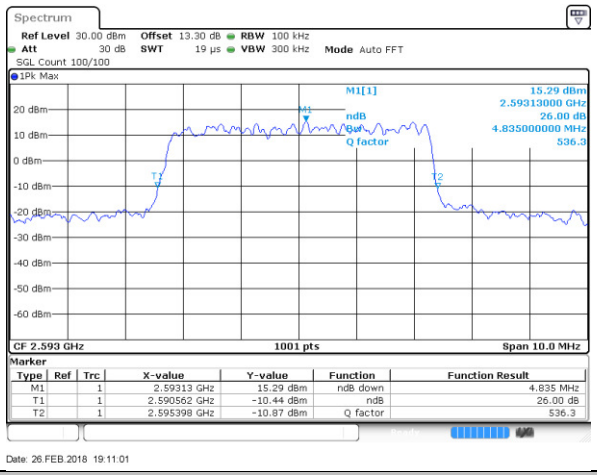
Lowest Channel / 5MHz / 16QAM



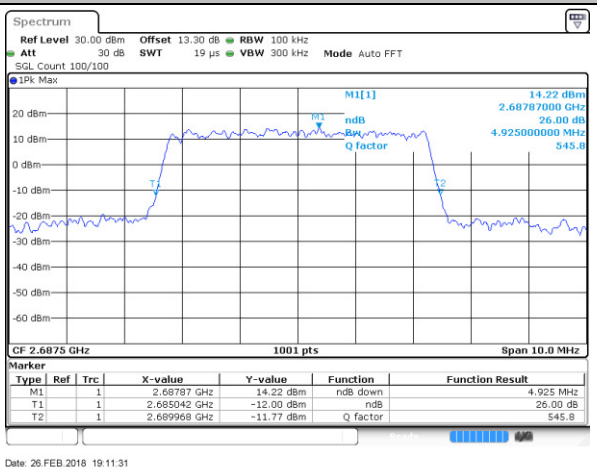
Middle Channel / 5MHz / QPSK



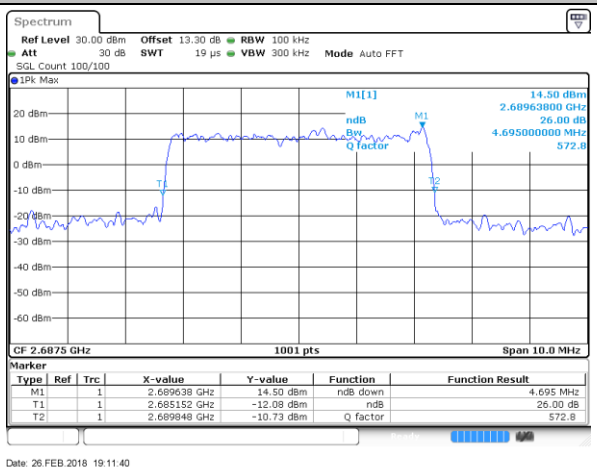
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

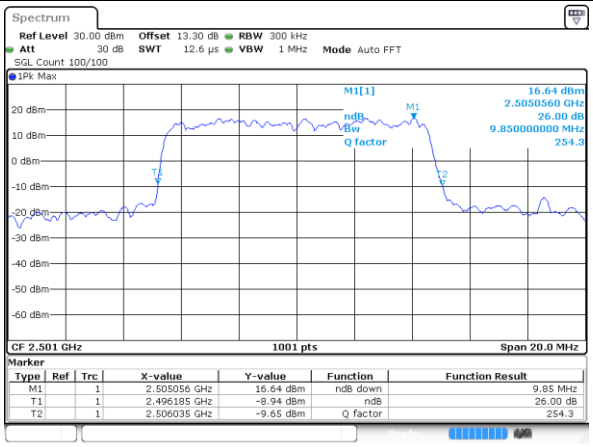


Highest Channel / 5MHz / 16QAM



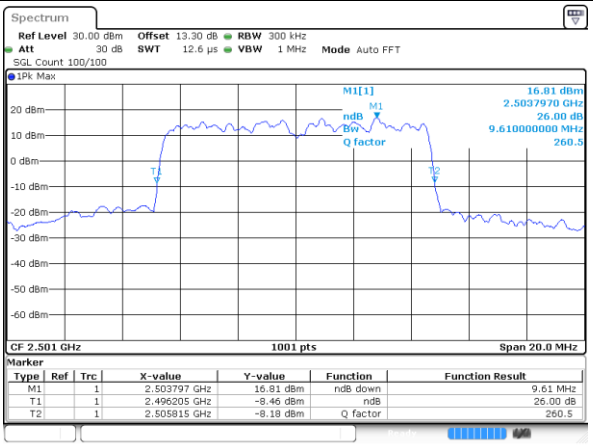
LTE Band 41

Lowest Channel / 10MHz / QPSK



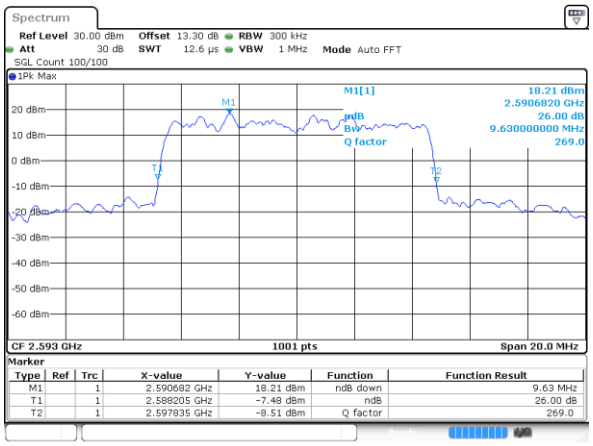
Date: 26.FEB.2018 19:12:10

Lowest Channel / 10MHz / 16QAM



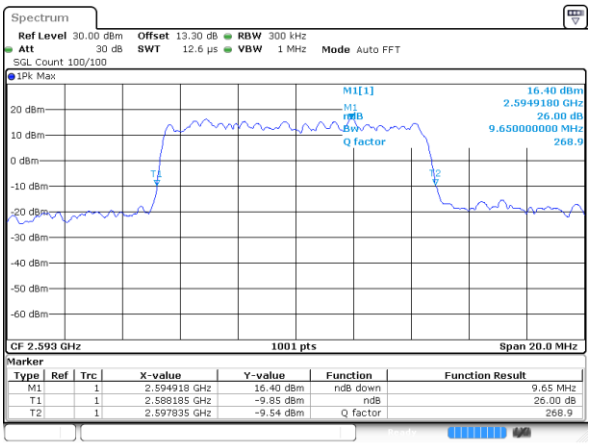
Date: 26.FEB.2018 19:12:20

Middle Channel / 10MHz / QPSK



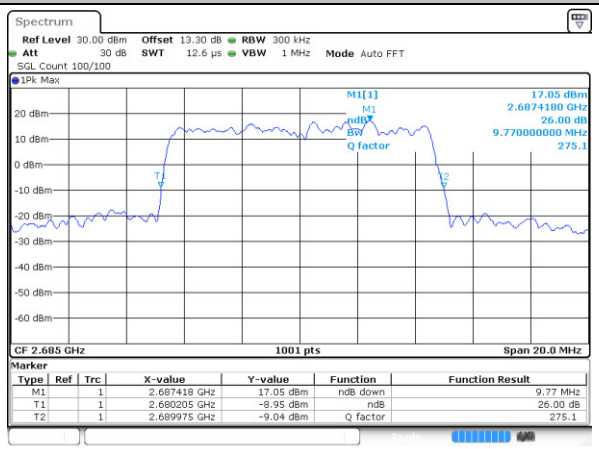
Date: 26.FEB.2018 19:12:49

Middle Channel / 10MHz / 16QAM



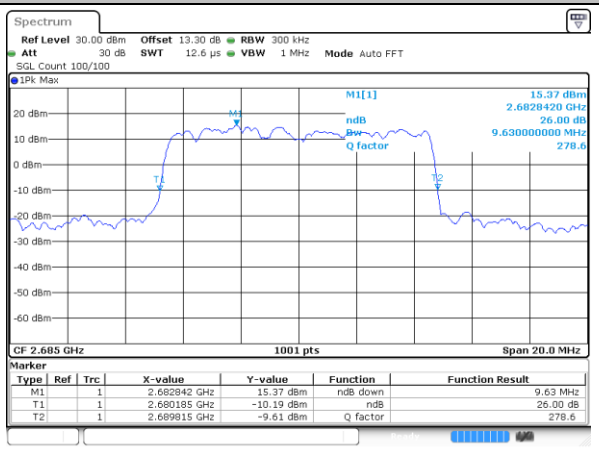
Date: 26.FEB.2018 19:12:59

Highest Channel / 10MHz / QPSK



Date: 26.FEB.2018 19:13:29

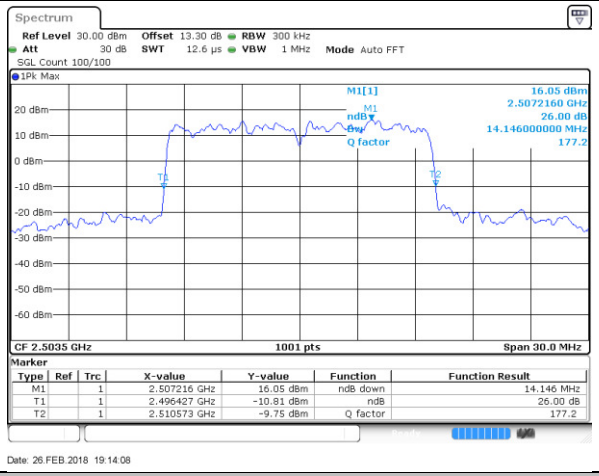
Highest Channel / 10MHz / 16QAM



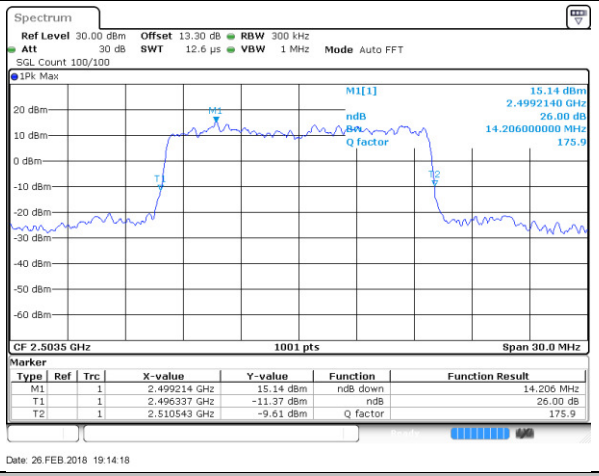
Date: 26.FEB.2018 19:13:38

LTE Band 41

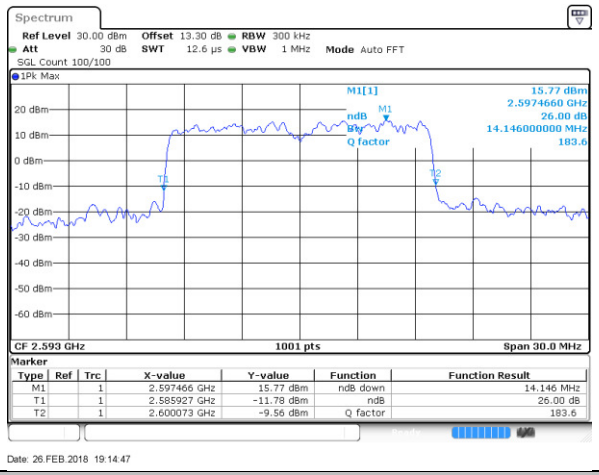
Lowest Channel / 15MHz / QPSK



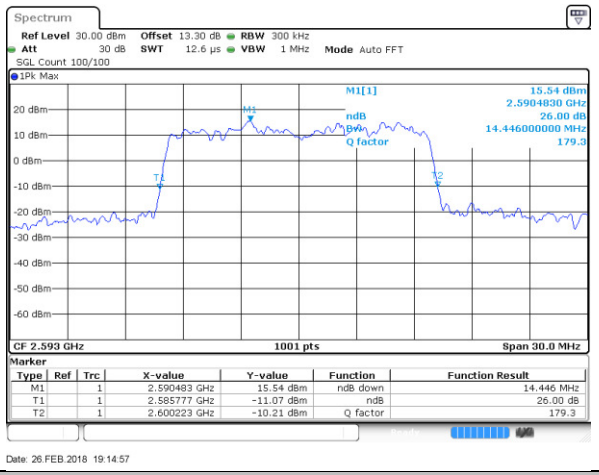
Lowest Channel / 15MHz / 16QAM



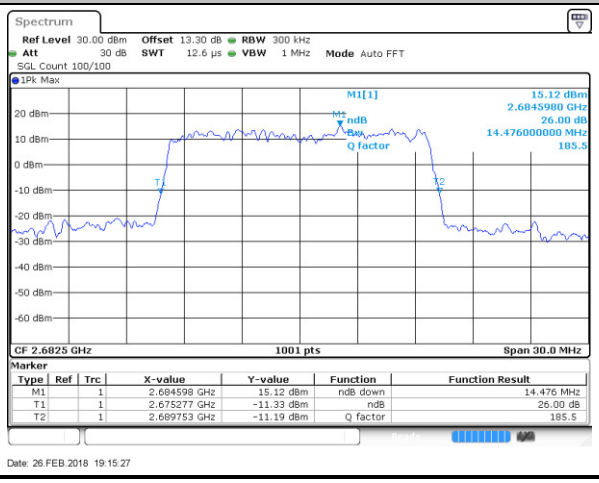
Middle Channel / 15MHz / QPSK



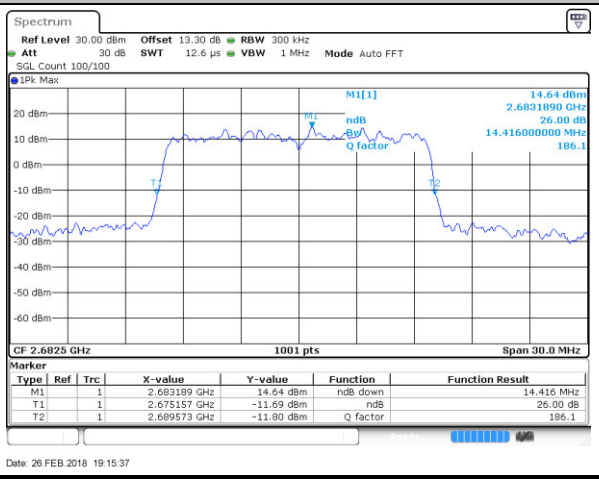
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

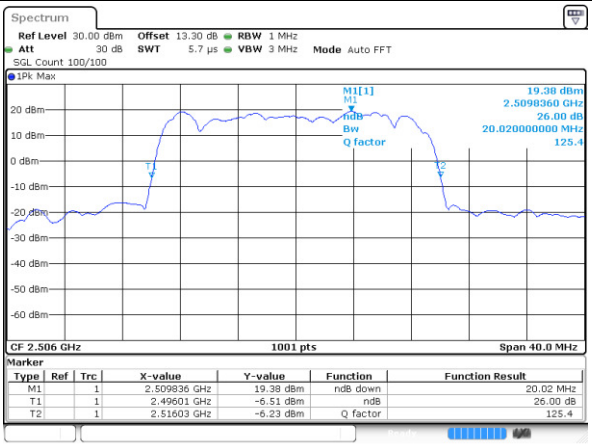


Highest Channel / 15MHz / 16QAM

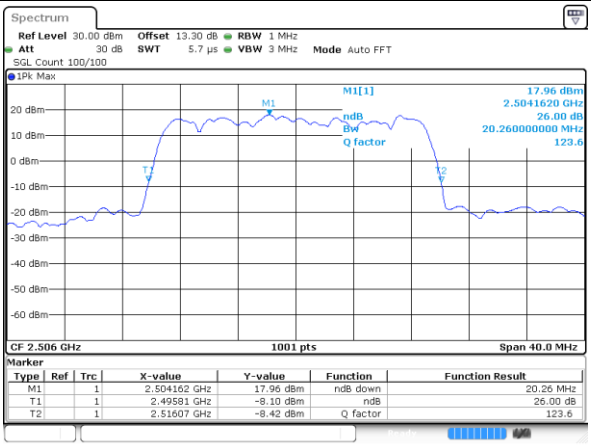


LTE Band 41

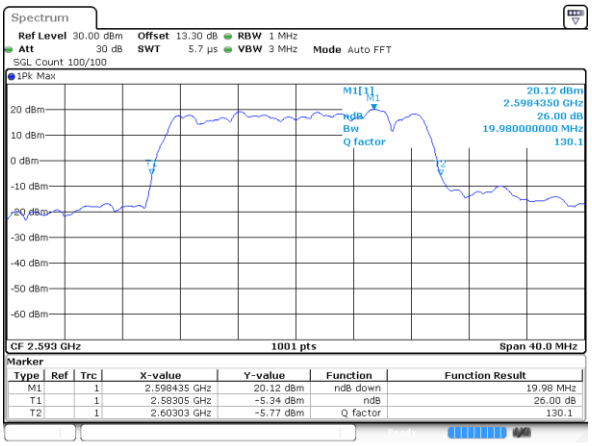
Lowest Channel / 20MHz / QPSK



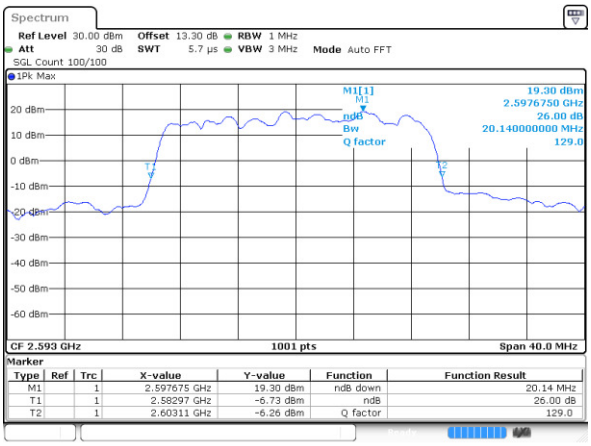
Lowest Channel / 20MHz / 16QAM



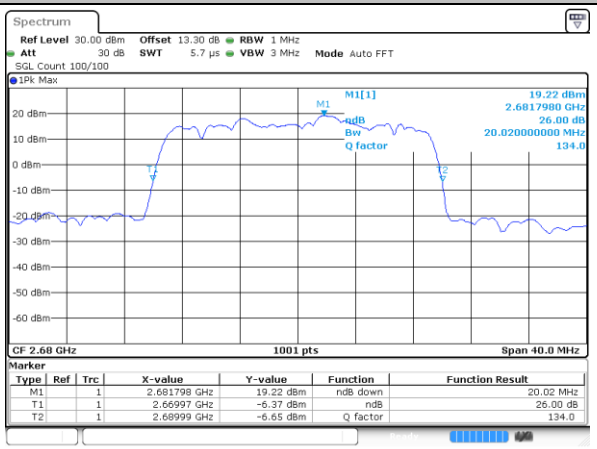
Middle Channel / 20MHz / QPSK



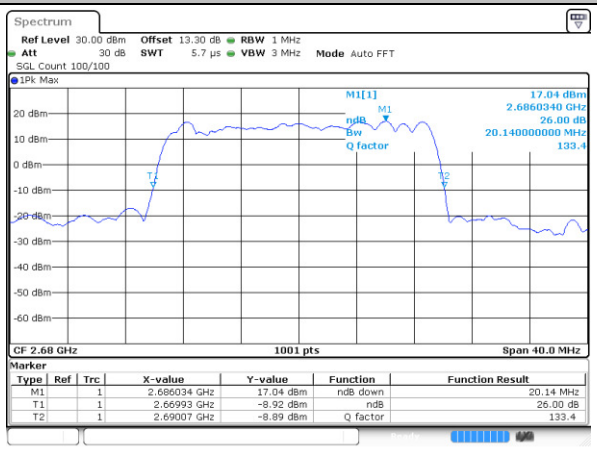
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

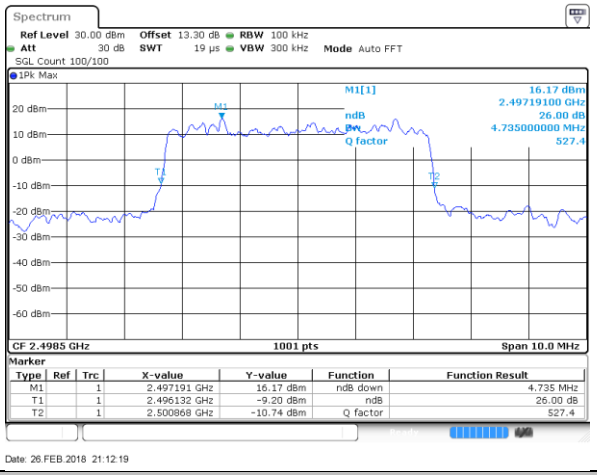


Highest Channel / 20MHz / 16QAM

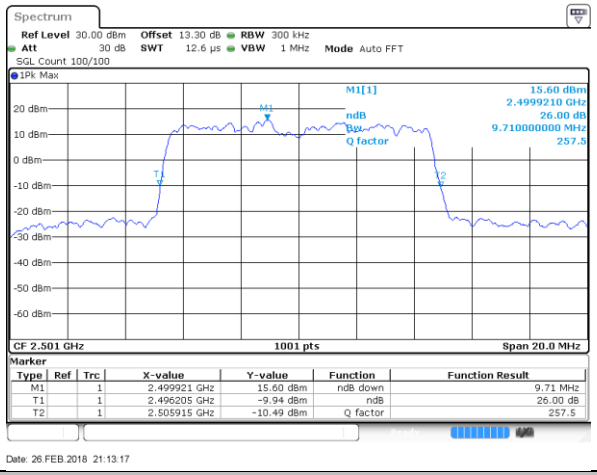


LTE Band 41

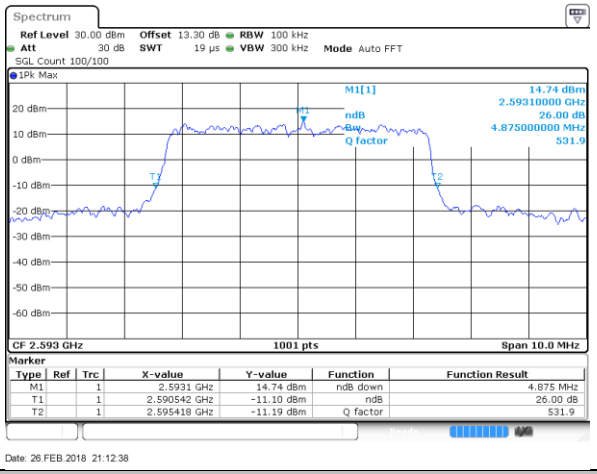
Lowest Channel / 5MHz / QPSK



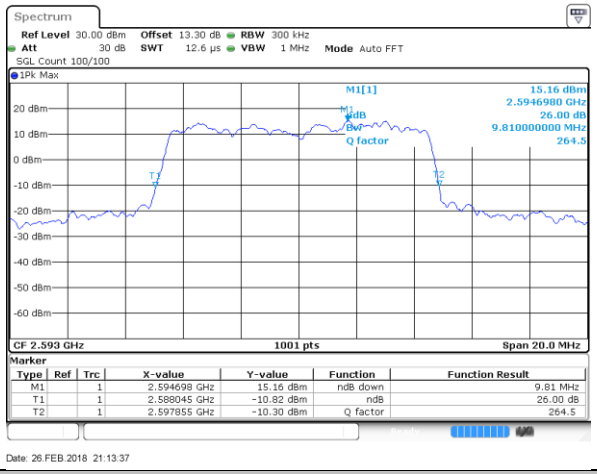
Lowest Channel / 10MHz / 16QAM



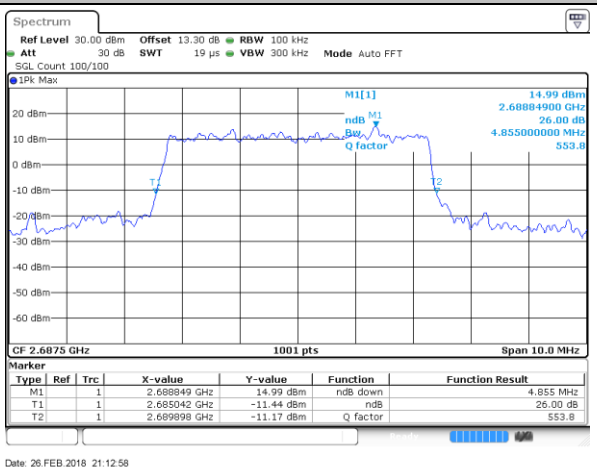
Middle Channel / 5MHz / QPSK



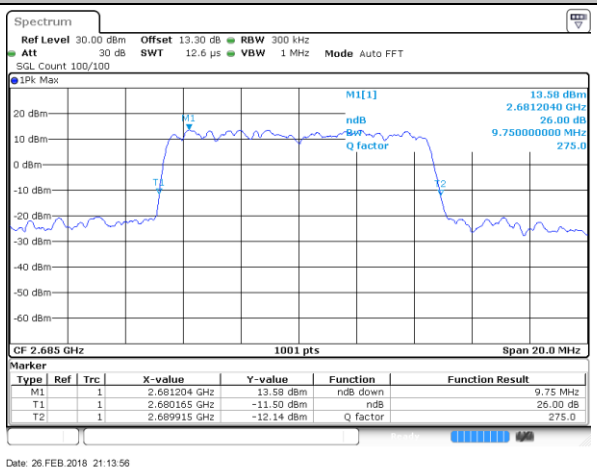
Middle Channel / 10MHz / 16QAM



Highest Channel / 5MHz / QPSK

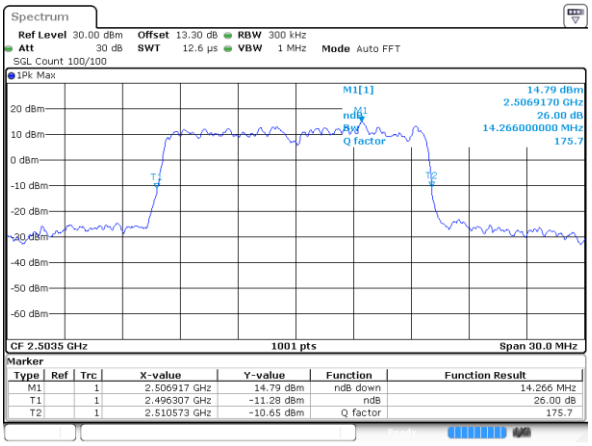


Highest Channel / 10MHz / 16QAM

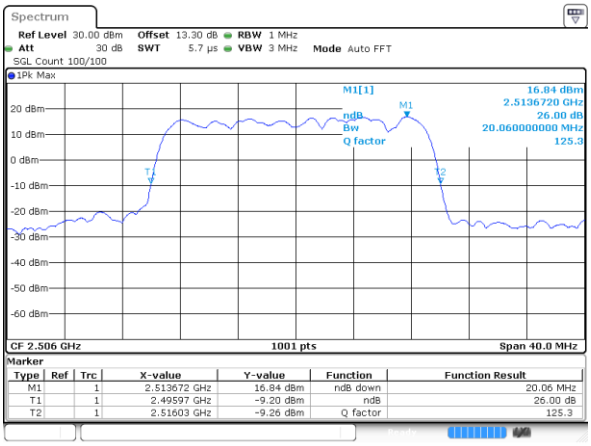


LTE Band 41

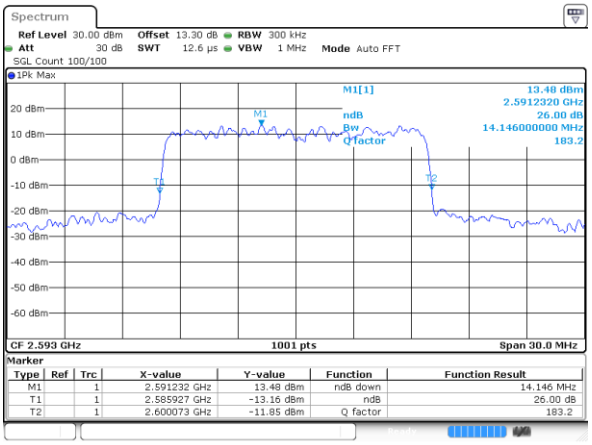
Lowest Channel / 15MHz / QPSK



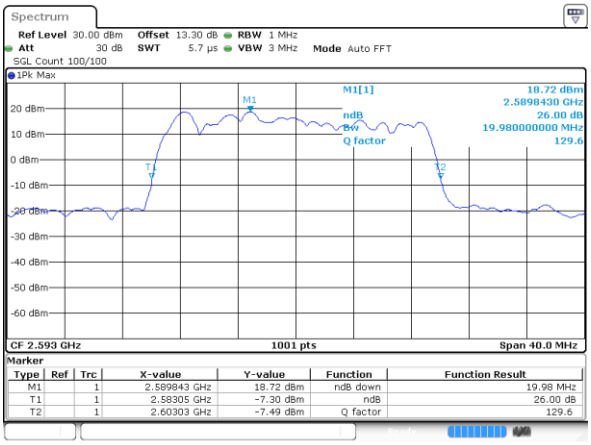
Lowest Channel / 20MHz / 16QAM



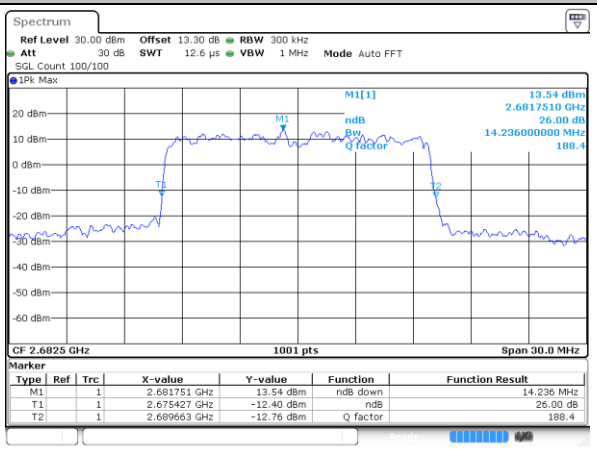
Middle Channel / 15MHz / QPSK



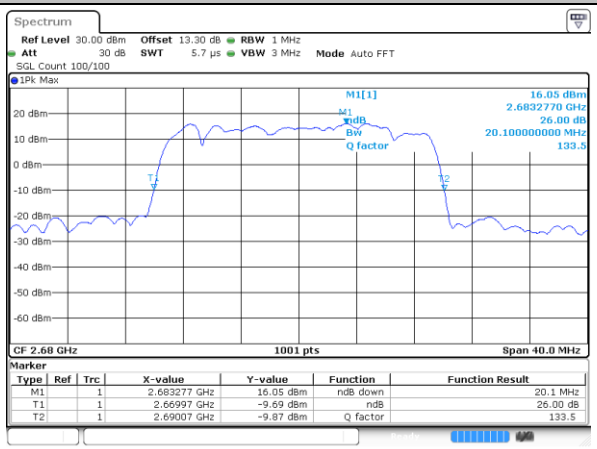
Middle Channel / 20MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 20MHz / 16QAM

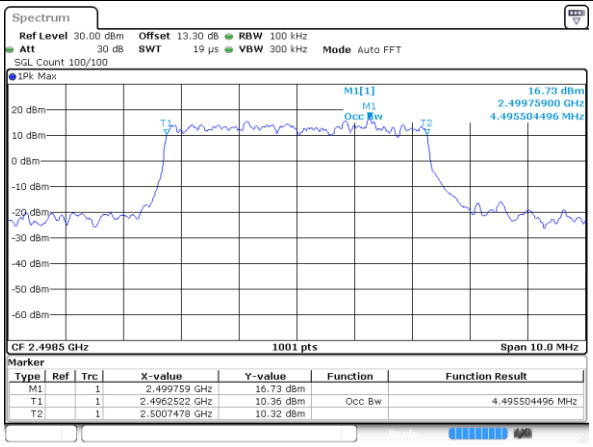


Occupied Bandwidth

Mode	LTE Band 41 : 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	-	-	-	-	4.50	4.49	8.97	8.93	13.40	13.40	18.26	18.30
Middle CH	-	-	-	-	4.48	4.52	9.03	9.03	13.37	13.37	18.30	18.38
Highest CH	-	-	-	-	4.53	4.51	9.07	9.03	13.40	13.37	18.42	18.38
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	8.99	-	13.46	-	18.26	-
Middle CH	-	-	-	-	4.51	-	9.01	-	13.40	-	18.38	-
Highest CH	-	-	-	-	4.51	-	9.01	-	13.40	-	18.34	-

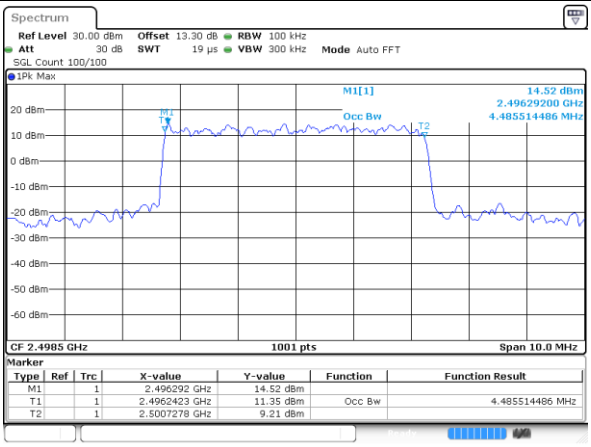
LTE Band 41

Lowest Channel / 5MHz / QPSK



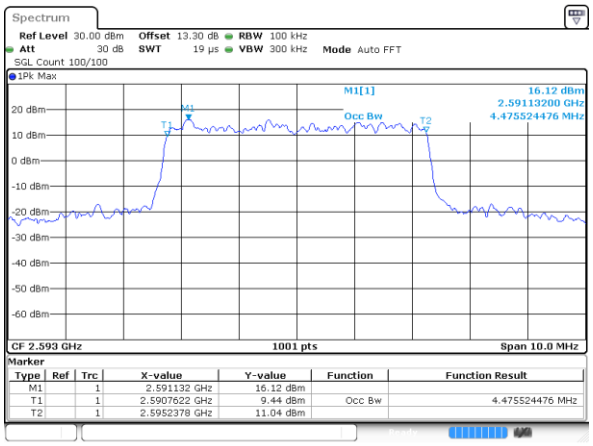
Date: 26.FEB.2018 19:09:52

Lowest Channel / 5MHz / 16QAM



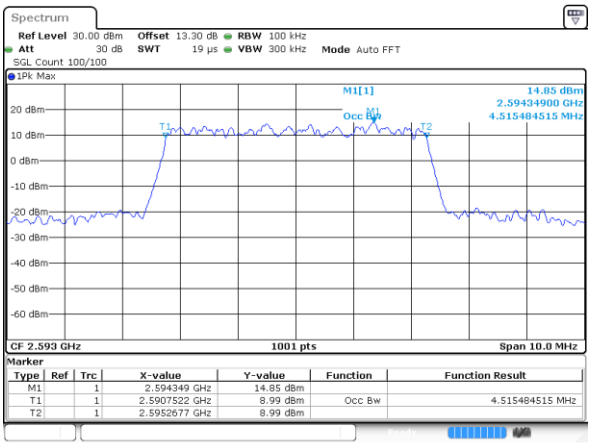
Date: 26.FEB.2018 19:10:02

Middle Channel / 5MHz / QPSK



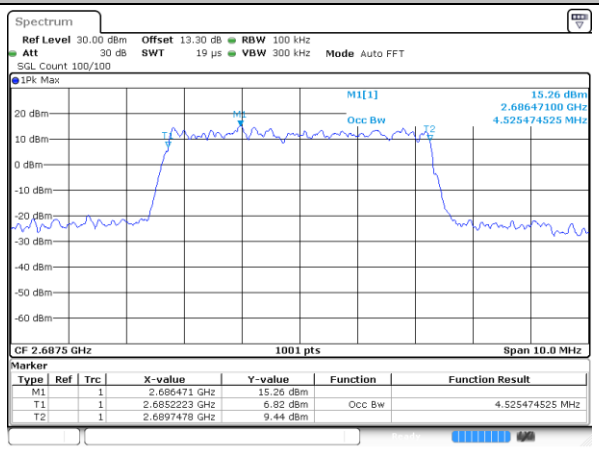
Date: 26.FEB.2018 19:10:32

Middle Channel / 5MHz / 16QAM



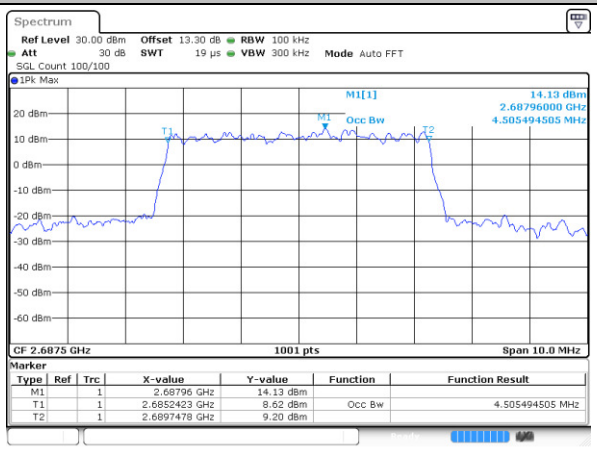
Date: 26.FEB.2018 19:10:41

Highest Channel / 5MHz / QPSK



Date: 26.FEB.2018 19:11:11

Highest Channel / 5MHz / 16QAM



Date: 26.FEB.2018 19:11:21