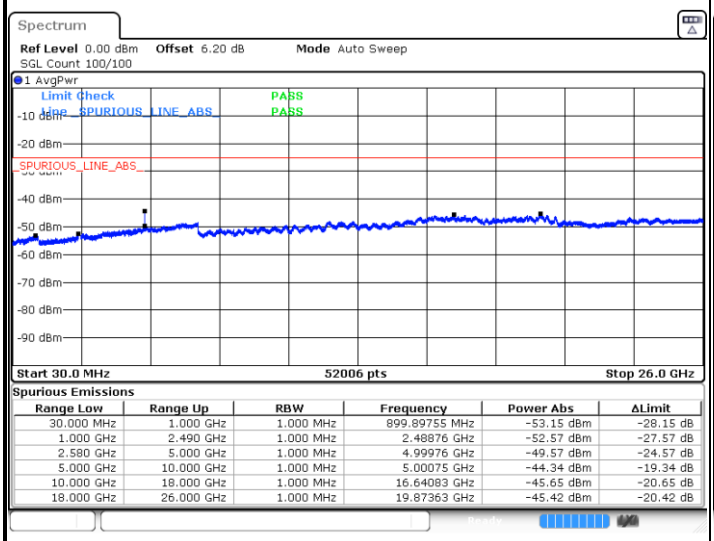
Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

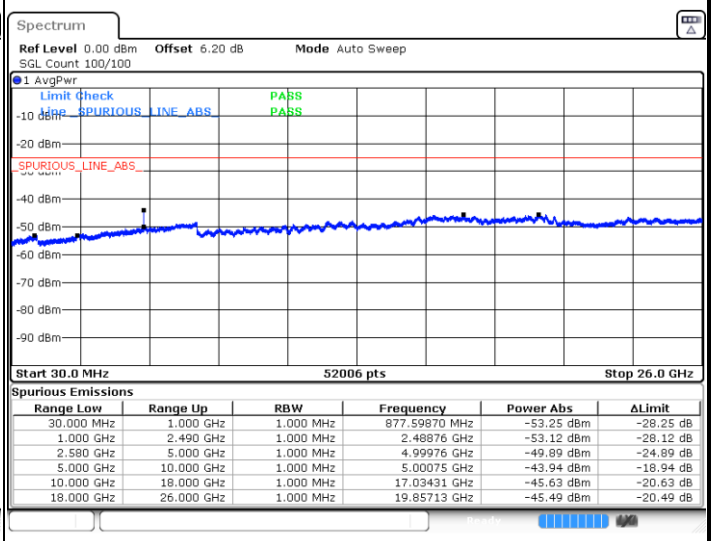


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-53.15 dBm	-28.15 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-52.57 dBm	-27.57 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99976 GHz	-49.57 dBm	-24.57 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00075 GHz	-44.34 dBm	-19.34 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.64083 GHz	-45.65 dBm	-20.65 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87363 GHz	-45.42 dBm	-20.42 dB

Date: 8.NOV.2019 10:25:08

Lowest Channel / 16QAM

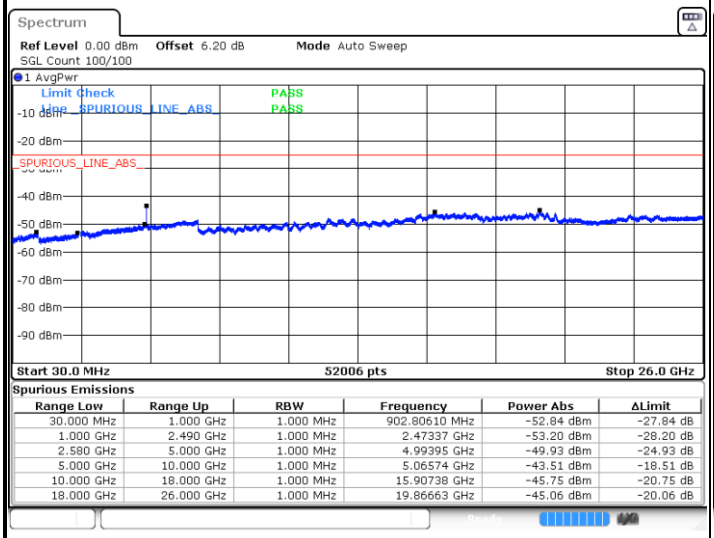


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.59870 MHz	-53.25 dBm	-28.25 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48876 GHz	-53.12 dBm	-28.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99976 GHz	-49.89 dBm	-24.89 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00075 GHz	-43.94 dBm	-18.94 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03431 GHz	-45.63 dBm	-20.63 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85713 GHz	-45.49 dBm	-20.49 dB

Date: 8.NOV.2019 10:26:02

Middle Channel / QPSK

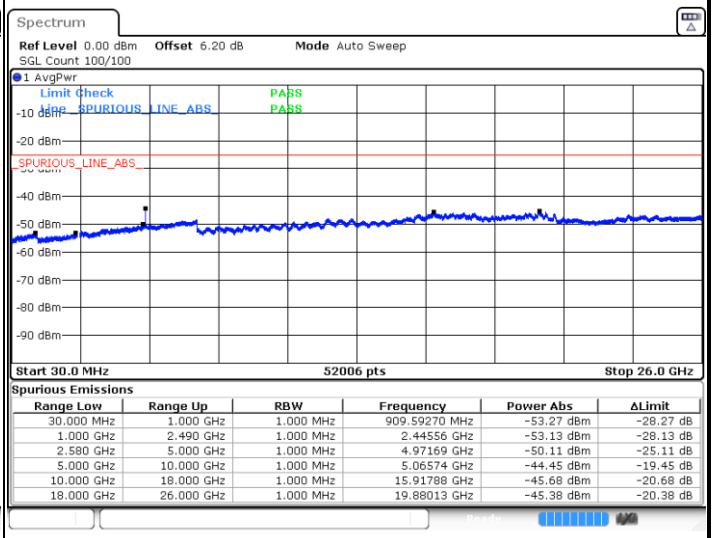


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.80610 MHz	-52.84 dBm	-27.84 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47337 GHz	-53.20 dBm	-28.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99395 GHz	-49.93 dBm	-24.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06574 GHz	-43.51 dBm	-18.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90738 GHz	-45.75 dBm	-20.75 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86663 GHz	-45.06 dBm	-20.06 dB

Date: 8.NOV.2019 10:27:49

Middle Channel / 16QAM



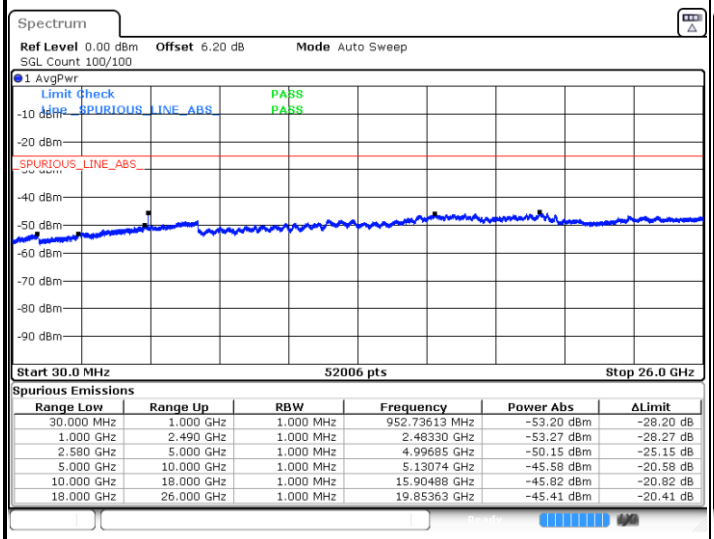
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.59270 MHz	-53.27 dBm	-28.27 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44556 GHz	-53.13 dBm	-28.13 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97169 GHz	-50.11 dBm	-25.11 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06574 GHz	-44.45 dBm	-19.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91788 GHz	-45.68 dBm	-20.68 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88013 GHz	-45.38 dBm	-20.38 dB

Date: 8.NOV.2019 10:26:56

LTE Band 7 / 5MHz

Highest Channel / QPSK

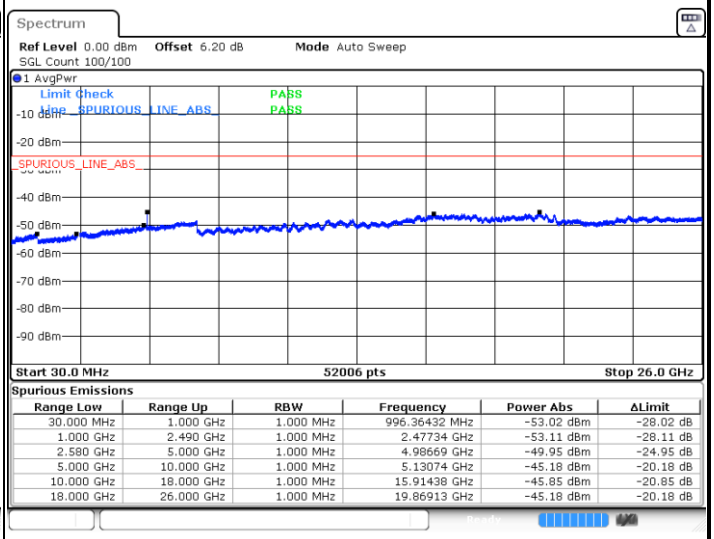


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.73613 MHz	-53.20 dBm	-28.20 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-53.27 dBm	-28.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99685 GHz	-50.15 dBm	-25.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.13074 GHz	-45.58 dBm	-20.58 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90488 GHz	-45.82 dBm	-20.82 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85363 GHz	-45.41 dBm	-20.41 dB

Date: 8.NOV.2019 10:28:43

Highest Channel / 16QAM



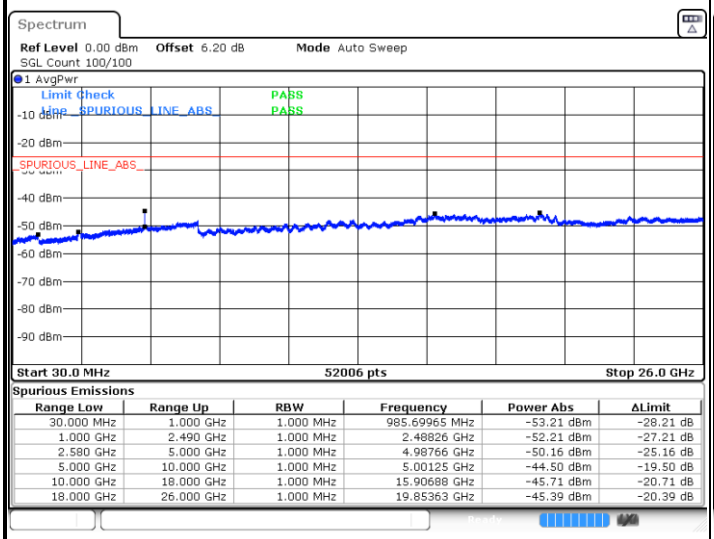
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-53.02 dBm	-28.02 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47734 GHz	-53.11 dBm	-28.11 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98669 GHz	-49.95 dBm	-24.95 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.13074 GHz	-45.18 dBm	-20.18 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91438 GHz	-45.85 dBm	-20.85 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86913 GHz	-45.18 dBm	-20.18 dB

Date: 8.NOV.2019 10:29:37

LTE Band 7 / 10MHz

Lowest Channel / QPSK

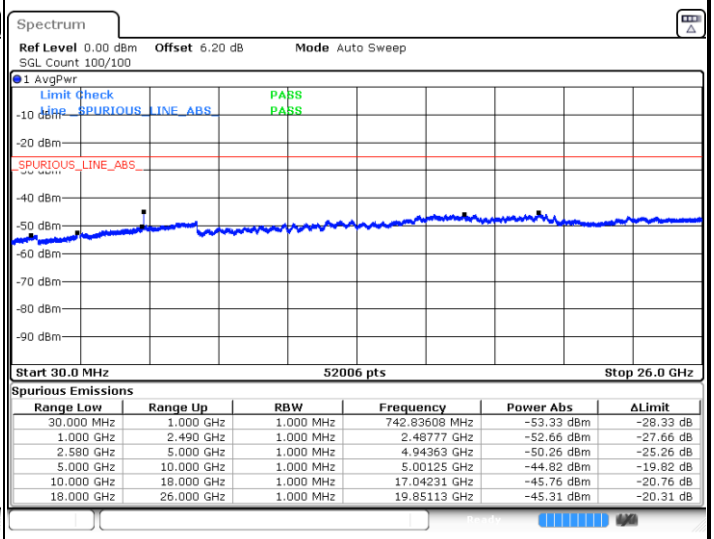


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.69965 MHz	-53.21 dBm	-28.21 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-52.21 dBm	-27.21 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98766 GHz	-50.16 dBm	-25.16 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00125 GHz	-44.50 dBm	-19.50 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90688 GHz	-45.71 dBm	-20.71 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85363 GHz	-45.39 dBm	-20.39 dB

Date: 8.NOV.2019 10:42:03

Lowest Channel / 16QAM



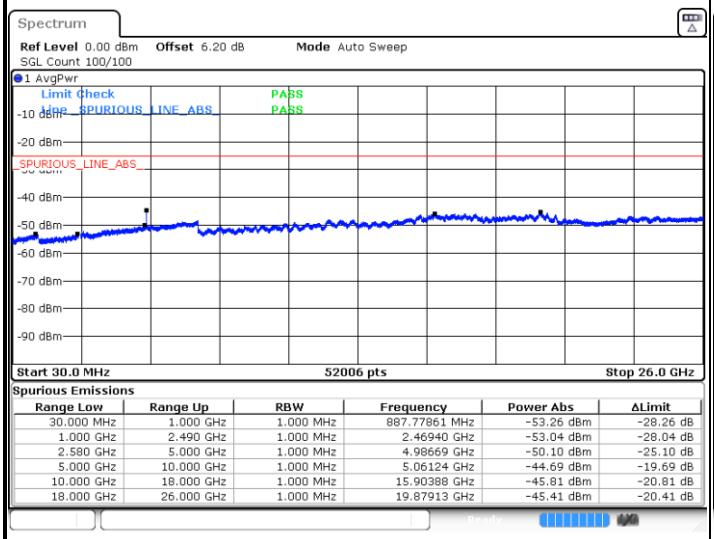
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	742.83608 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-52.66 dBm	-27.66 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94363 GHz	-50.26 dBm	-25.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00125 GHz	-44.82 dBm	-19.82 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04231 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85113 GHz	-45.31 dBm	-20.31 dB

Date: 8.NOV.2019 10:42:57

LTE Band 7 / 10MHz

Middle Channel / QPSK

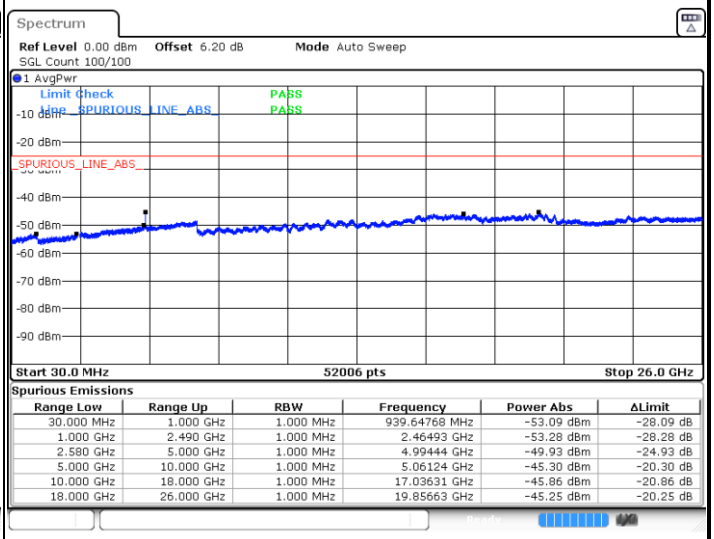


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.77861 MHz	-53.26 dBm	-28.26 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46940 GHz	-53.04 dBm	-28.04 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98669 GHz	-50.10 dBm	-25.10 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06124 GHz	-44.69 dBm	-19.69 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90388 GHz	-45.81 dBm	-20.81 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87913 GHz	-45.41 dBm	-20.41 dB

Date: 8.NOV.2019 10:44:45

Middle Channel / 16QAM

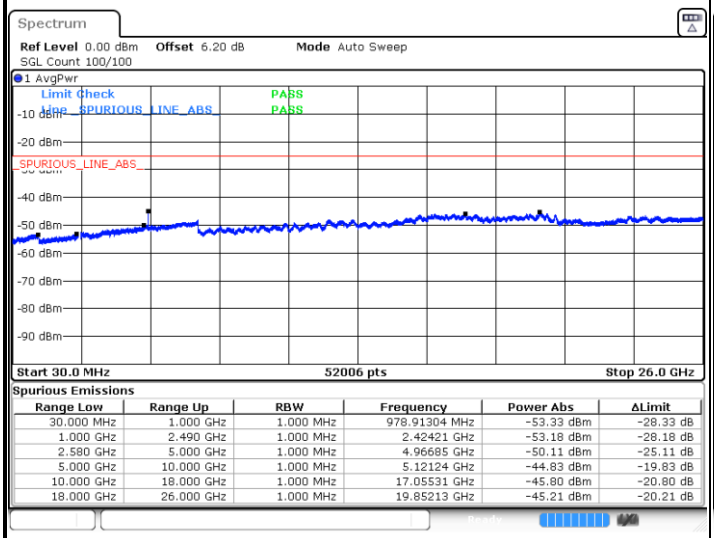


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.64768 MHz	-53.09 dBm	-28.09 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46493 GHz	-53.28 dBm	-28.28 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99444 GHz	-49.93 dBm	-24.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06124 GHz	-45.30 dBm	-20.30 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03631 GHz	-45.86 dBm	-20.86 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85663 GHz	-45.25 dBm	-20.25 dB

Date: 8.NOV.2019 10:43:51

Highest Channel / QPSK

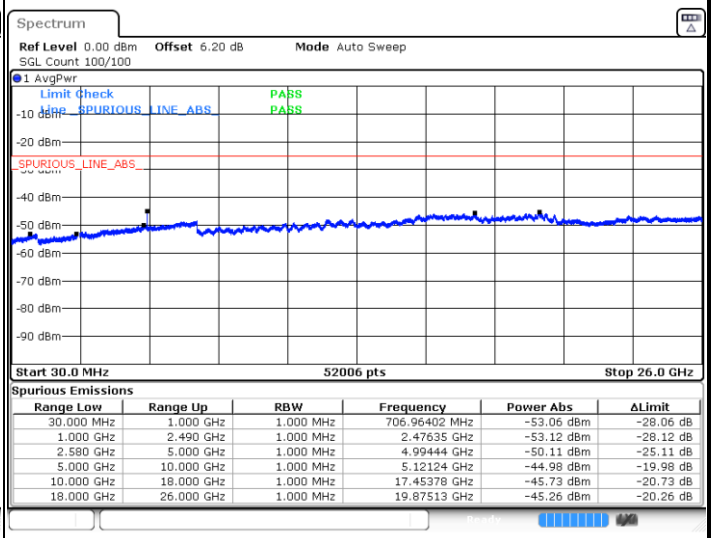


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.91304 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.42421 GHz	-53.18 dBm	-28.18 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96685 GHz	-50.11 dBm	-25.11 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.12124 GHz	-44.83 dBm	-19.83 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.05531 GHz	-45.80 dBm	-20.80 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85213 GHz	-45.21 dBm	-20.21 dB

Date: 8.NOV.2019 10:45:38

Highest Channel / 16QAM



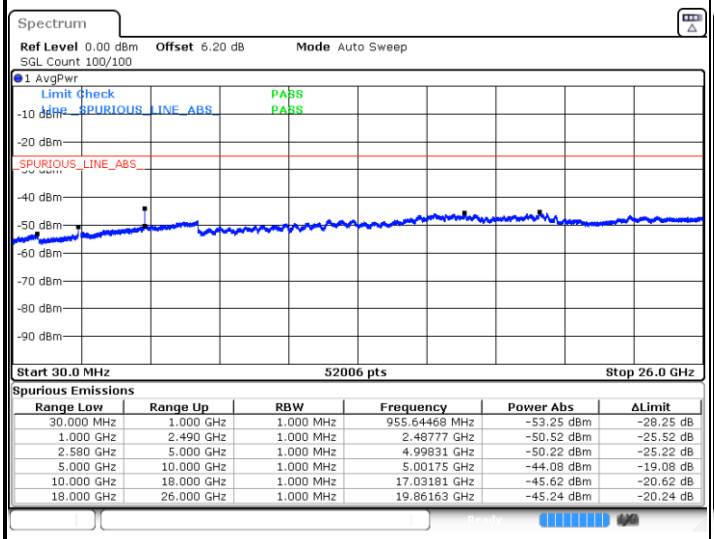
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	706.96402 MHz	-53.06 dBm	-28.06 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47635 GHz	-53.12 dBm	-28.12 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99444 GHz	-50.11 dBm	-25.11 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.12124 GHz	-44.98 dBm	-19.98 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.45378 GHz	-45.73 dBm	-20.73 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87513 GHz	-45.26 dBm	-20.26 dB

Date: 8.NOV.2019 10:46:32

LTE Band 7 / 15MHz

Lowest Channel / QPSK

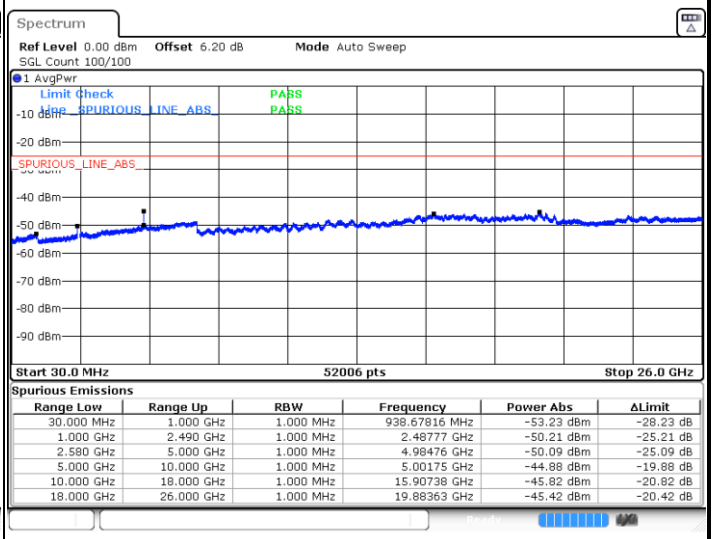


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.64468 MHz	-53.25 dBm	-28.25 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-50.52 dBm	-25.52 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99831 GHz	-50.22 dBm	-25.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00175 GHz	-44.08 dBm	-19.08 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03181 GHz	-45.62 dBm	-20.62 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86163 GHz	-45.24 dBm	-20.24 dB

Date: 8.NOV.2019 10:58:32

Lowest Channel / 16QAM

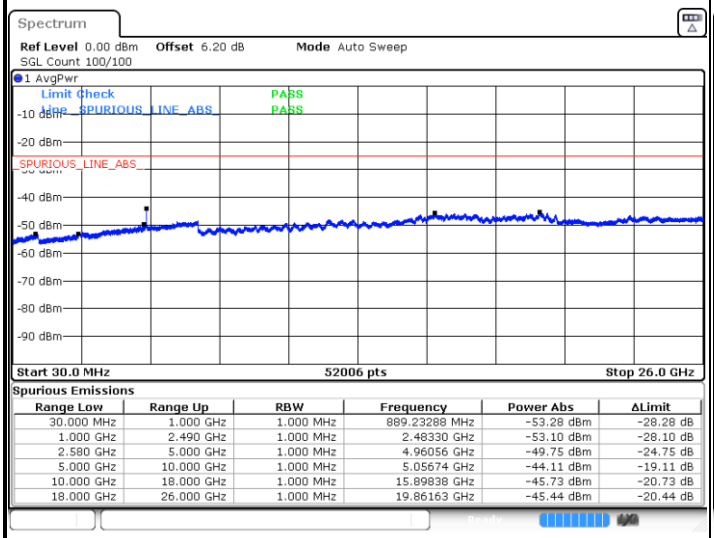


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-53.23 dBm	-28.23 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-50.21 dBm	-25.21 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98476 GHz	-50.09 dBm	-25.09 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00175 GHz	-44.88 dBm	-19.88 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90738 GHz	-45.82 dBm	-20.82 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88363 GHz	-45.42 dBm	-20.42 dB

Date: 8.NOV.2019 10:59:25

Middle Channel / QPSK

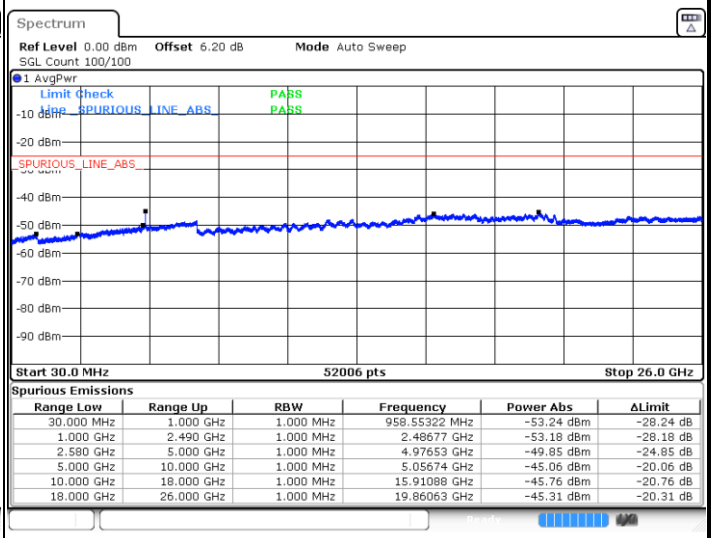


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-53.28 dBm	-28.28 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-53.10 dBm	-28.10 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96056 GHz	-49.75 dBm	-24.75 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05674 GHz	-44.11 dBm	-19.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.89838 GHz	-45.73 dBm	-20.73 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86163 GHz	-45.44 dBm	-20.44 dB

Date: 8.NOV.2019 11:01:13

Middle Channel / 16QAM



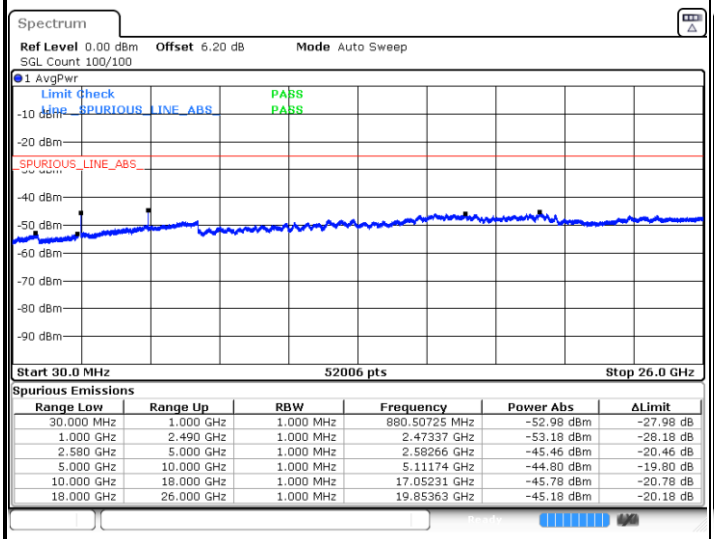
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-53.24 dBm	-28.24 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48677 GHz	-53.18 dBm	-28.18 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97653 GHz	-49.85 dBm	-24.85 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05674 GHz	-45.06 dBm	-20.06 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91088 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86063 GHz	-45.31 dBm	-20.31 dB

Date: 8.NOV.2019 11:00:19

LTE Band7 / 15MHz

Highest Channel / QPSK

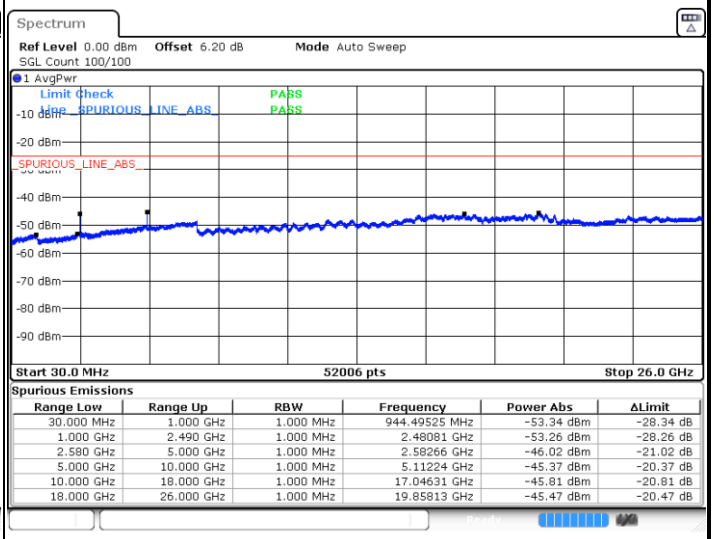


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.50725 MHz	-52.98 dBm	-27.98 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47337 GHz	-53.18 dBm	-28.18 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-45.46 dBm	-20.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11174 GHz	-44.80 dBm	-19.80 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.05231 GHz	-45.78 dBm	-20.78 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85363 GHz	-45.18 dBm	-20.18 dB

Date: 8.NOV.2019 11:02:06

Highest Channel / 16QAM



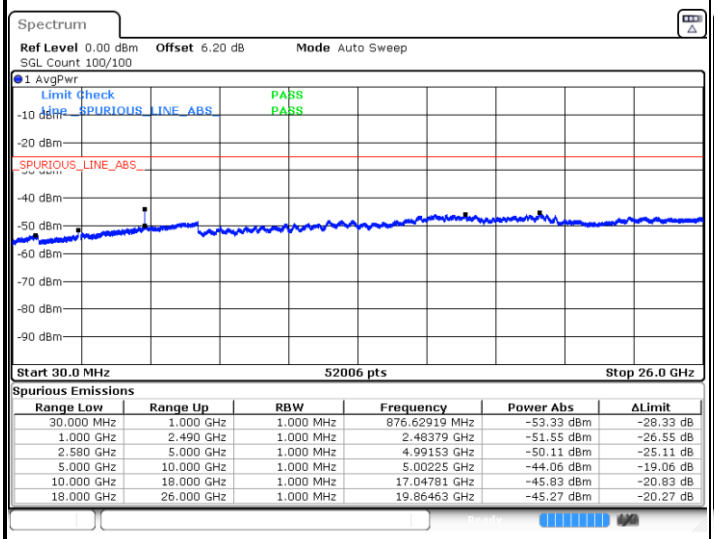
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-53.34 dBm	-28.34 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48081 GHz	-53.26 dBm	-28.26 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-46.02 dBm	-21.02 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11224 GHz	-45.37 dBm	-20.37 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04631 GHz	-45.81 dBm	-20.81 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85813 GHz	-45.47 dBm	-20.47 dB

Date: 8.NOV.2019 11:03:00

LTE Band 7 / 20MHz

Lowest Channel / QPSK

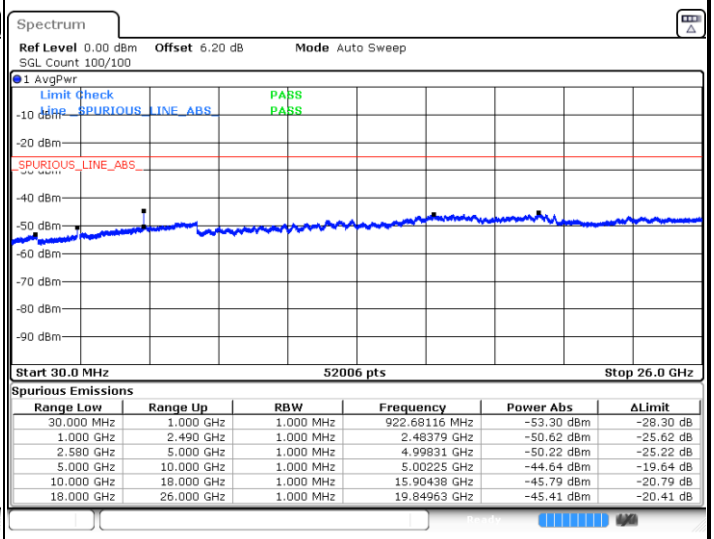


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.62919 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-51.55 dBm	-26.55 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99153 GHz	-50.11 dBm	-25.11 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-44.06 dBm	-19.06 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04781 GHz	-45.83 dBm	-20.83 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86463 GHz	-45.27 dBm	-20.27 dB

Date: 8.NOV.2019 11:14:59

Lowest Channel / 16QAM



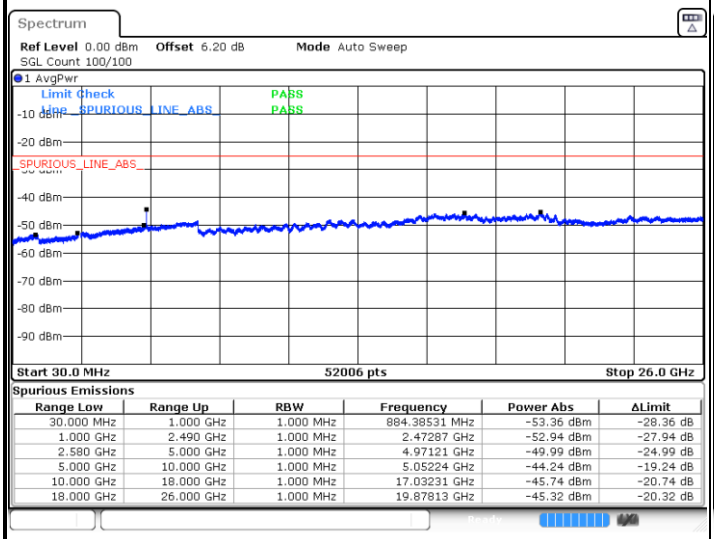
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-53.30 dBm	-28.30 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-50.62 dBm	-25.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99831 GHz	-50.22 dBm	-25.22 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-44.64 dBm	-19.64 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90438 GHz	-45.79 dBm	-20.79 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84963 GHz	-45.41 dBm	-20.41 dB

Date: 8.NOV.2019 11:15:53

LTE Band 7 / 20MHz

Middle Channel / QPSK

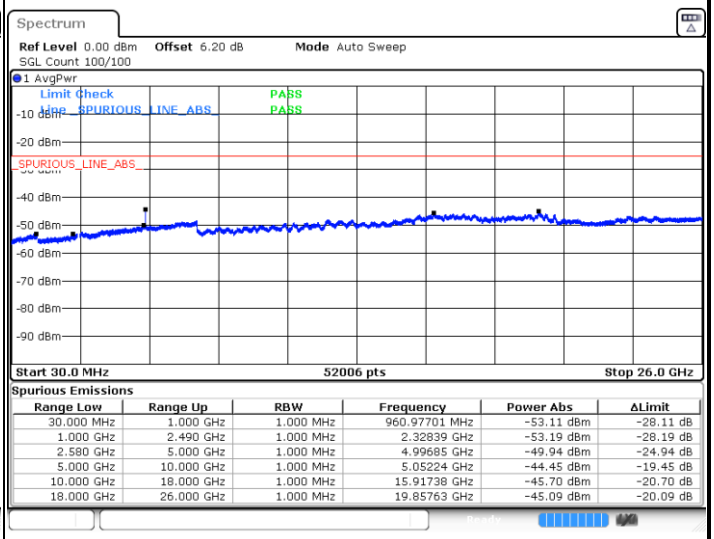


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	884.38531 MHz	-53.36 dBm	-28.36 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47287 GHz	-52.94 dBm	-27.94 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97121 GHz	-49.99 dBm	-24.99 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-44.24 dBm	-19.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03231 GHz	-45.74 dBm	-20.74 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87813 GHz	-45.32 dBm	-20.32 dB

Date: 8.NOV.2019 11:17:41

Middle Channel / 16QAM

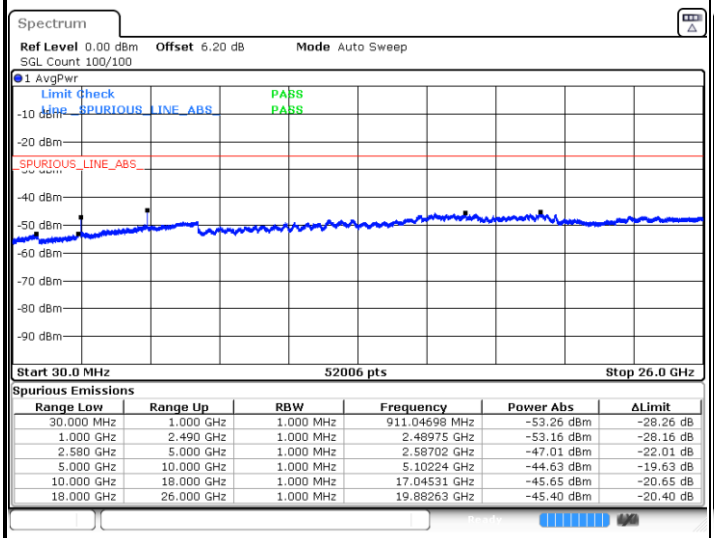


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-53.11 dBm	-28.11 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.32839 GHz	-53.19 dBm	-28.19 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99685 GHz	-49.94 dBm	-24.94 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-44.45 dBm	-19.45 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91738 GHz	-45.70 dBm	-20.70 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85763 GHz	-45.09 dBm	-20.09 dB

Date: 8.NOV.2019 11:16:47

Highest Channel / QPSK

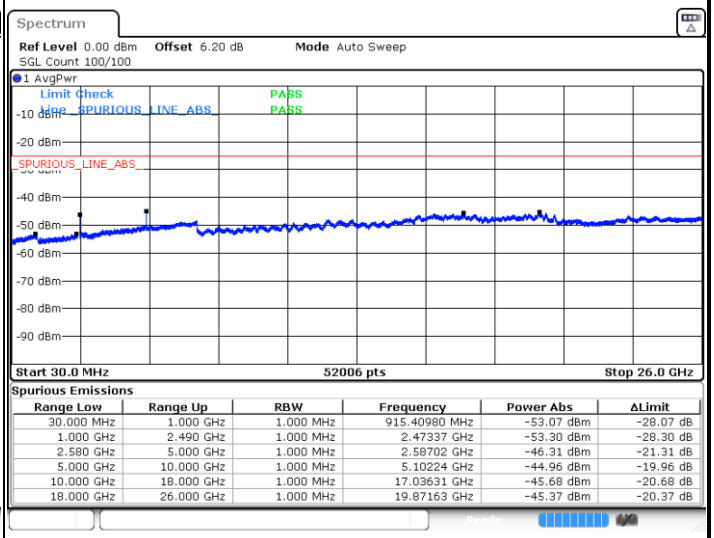


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.04698 MHz	-53.26 dBm	-28.26 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-53.16 dBm	-28.16 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-47.01 dBm	-22.01 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-44.63 dBm	-19.63 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04531 GHz	-45.65 dBm	-20.65 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88263 GHz	-45.40 dBm	-20.40 dB

Date: 8.NOV.2019 11:18:34

Highest Channel / 16QAM



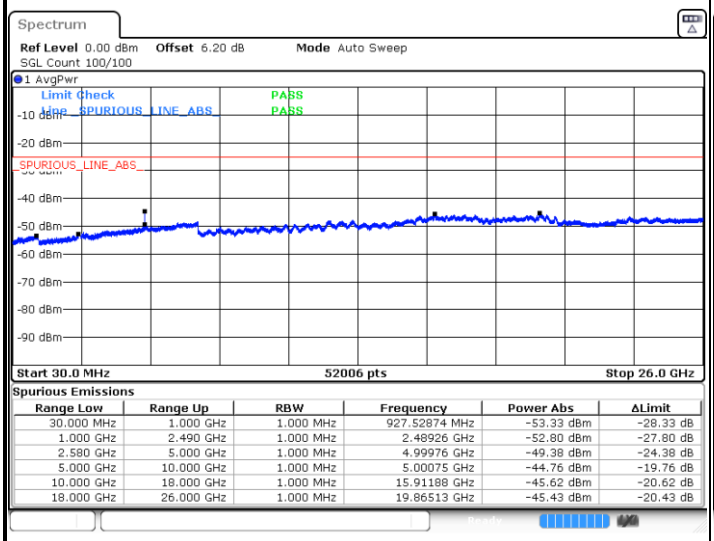
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-53.07 dBm	-28.07 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47337 GHz	-53.30 dBm	-28.30 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-46.31 dBm	-21.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-44.96 dBm	-19.96 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03631 GHz	-45.68 dBm	-20.68 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87163 GHz	-45.37 dBm	-20.37 dB

Date: 8.NOV.2019 11:19:28

LTE Band 7 / 5MHz

Lowest Channel / 64QAM

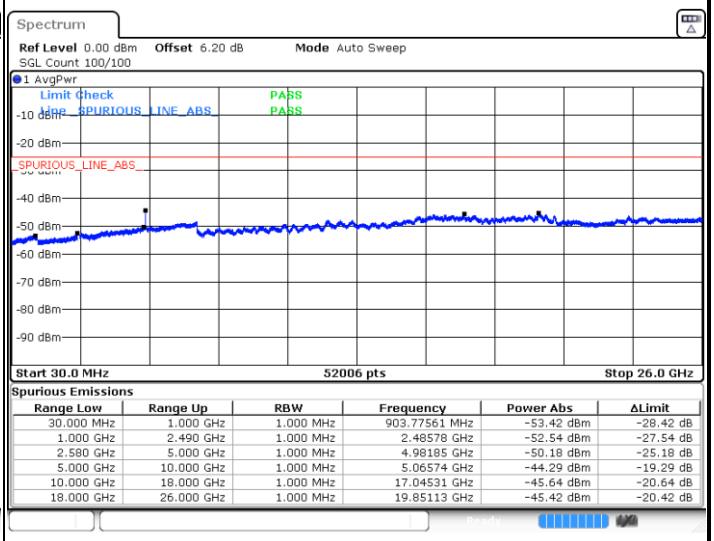


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.52874 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-52.80 dBm	-27.80 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99976 GHz	-49.38 dBm	-24.38 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00075 GHz	-44.76 dBm	-19.76 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91188 GHz	-45.62 dBm	-20.62 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86513 GHz	-45.43 dBm	-20.43 dB

Date: 8.NOV.2019 11:23:35

Middle Channel / 64QAM

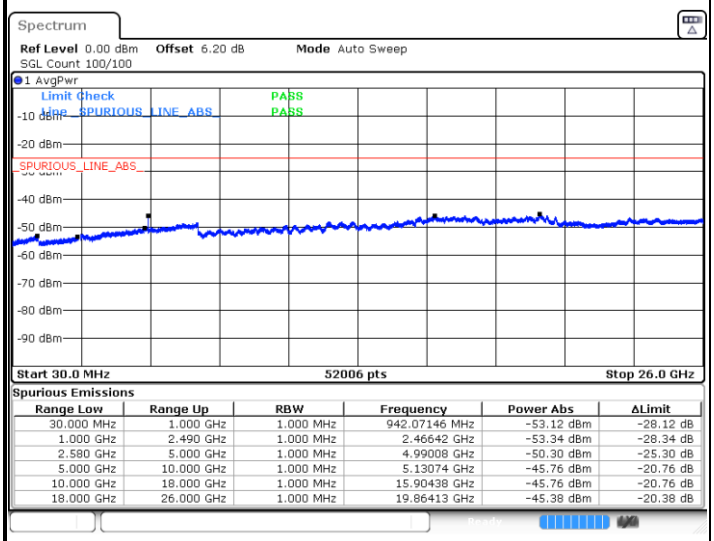


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-53.42 dBm	-28.42 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-52.54 dBm	-27.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98185 GHz	-50.18 dBm	-25.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06574 GHz	-44.29 dBm	-19.29 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04531 GHz	-45.64 dBm	-20.64 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85113 GHz	-45.42 dBm	-20.42 dB

Date: 8.NOV.2019 11:24:29

Highest Channel / 64QAM



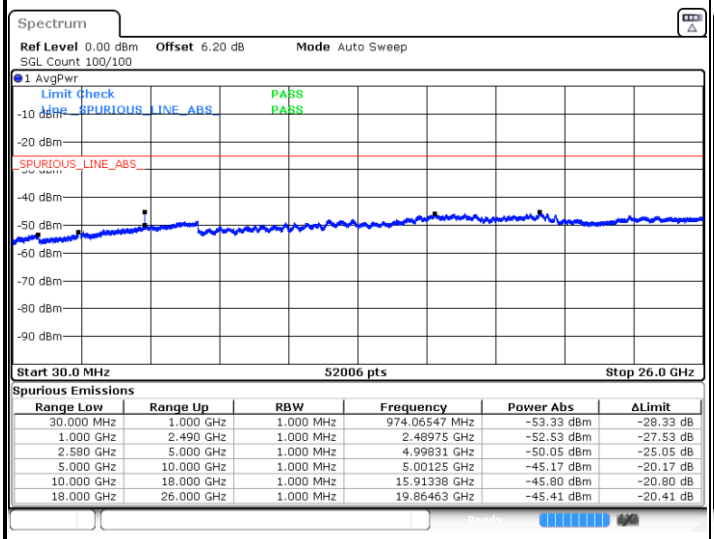
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-53.12 dBm	-28.12 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46642 GHz	-53.34 dBm	-28.34 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99008 GHz	-50.30 dBm	-25.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.13074 GHz	-45.76 dBm	-20.76 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90438 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86413 GHz	-45.38 dBm	-20.38 dB

Date: 8.NOV.2019 11:25:23

LTE Band 7 / 10MHz

Lowest Channel / 64QAM

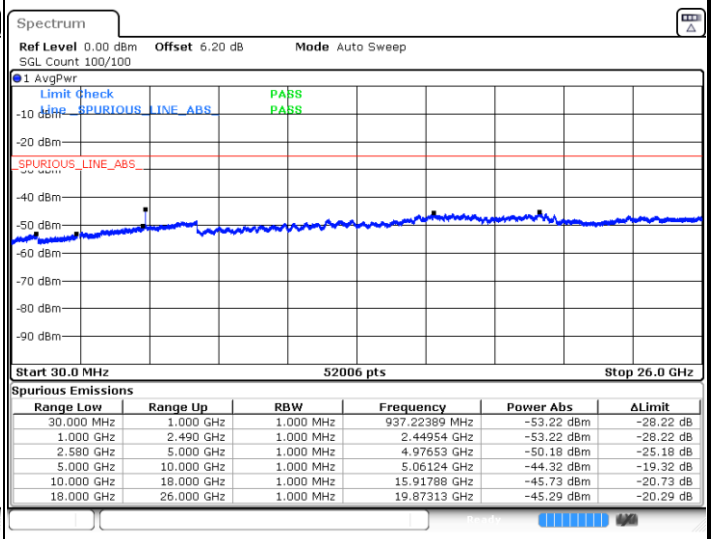


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.06547 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-52.53 dBm	-27.53 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99831 GHz	-50.05 dBm	-25.05 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00125 GHz	-45.17 dBm	-20.17 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91338 GHz	-45.80 dBm	-20.80 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86463 GHz	-45.41 dBm	-20.41 dB

Date: 8.NOV.2019 11:29:33

Middle Channel / 64QAM

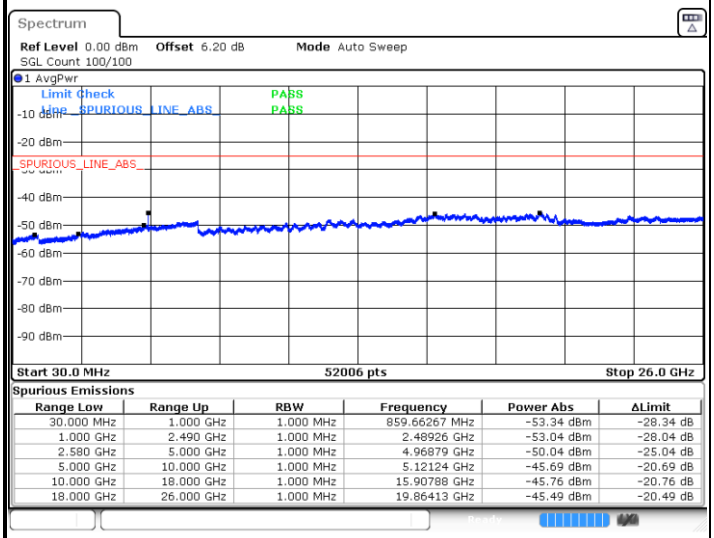


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-53.22 dBm	-28.22 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.44954 GHz	-53.22 dBm	-28.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97653 GHz	-50.18 dBm	-25.18 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06124 GHz	-44.32 dBm	-19.32 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91788 GHz	-45.73 dBm	-20.73 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87313 GHz	-45.29 dBm	-20.29 dB

Date: 8.NOV.2019 11:30:27

Highest Channel / 64QAM



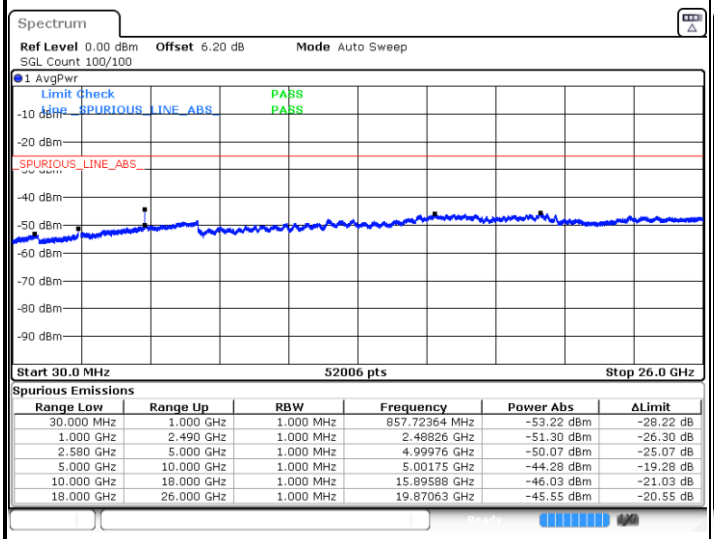
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	859.66267 MHz	-53.34 dBm	-28.34 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-53.04 dBm	-28.04 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96879 GHz	-50.04 dBm	-25.04 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.12124 GHz	-45.69 dBm	-20.69 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90788 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86413 GHz	-45.49 dBm	-20.49 dB

Date: 8.NOV.2019 11:31:21

LTE Band 7 / 15MHz

Lowest Channel / 64QAM

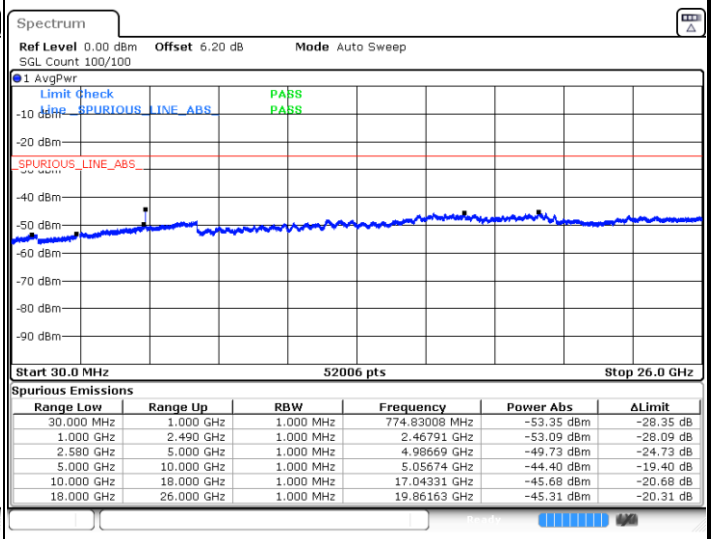


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	857.72364 MHz	-53.22 dBm	-28.22 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48826 GHz	-51.30 dBm	-26.30 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99976 GHz	-50.07 dBm	-25.07 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00175 GHz	-44.28 dBm	-19.28 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.89588 GHz	-46.03 dBm	-21.03 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87063 GHz	-45.55 dBm	-20.55 dB

Date: 8.NOV.2019 11:37:47

Middle Channel / 64QAM

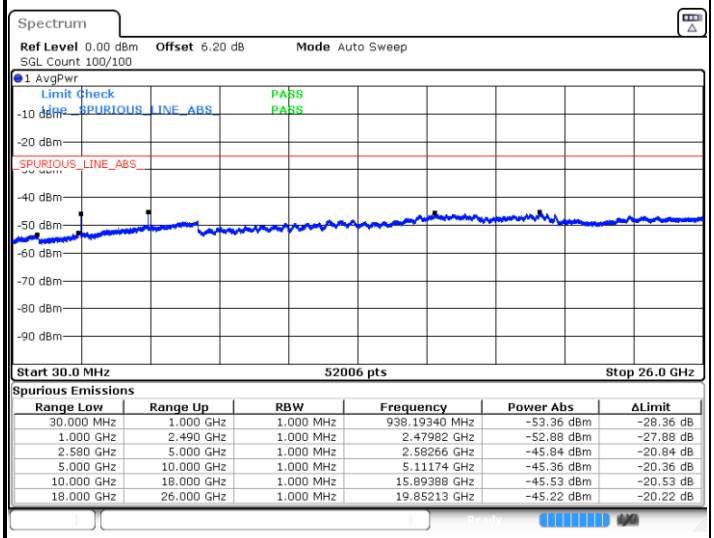


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	774.83008 MHz	-53.35 dBm	-28.35 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46791 GHz	-53.09 dBm	-28.09 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98669 GHz	-49.73 dBm	-24.73 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05674 GHz	-44.40 dBm	-19.40 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04331 GHz	-45.68 dBm	-20.68 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86163 GHz	-45.31 dBm	-20.31 dB

Date: 8.NOV.2019 11:38:40

Highest Channel / 64QAM



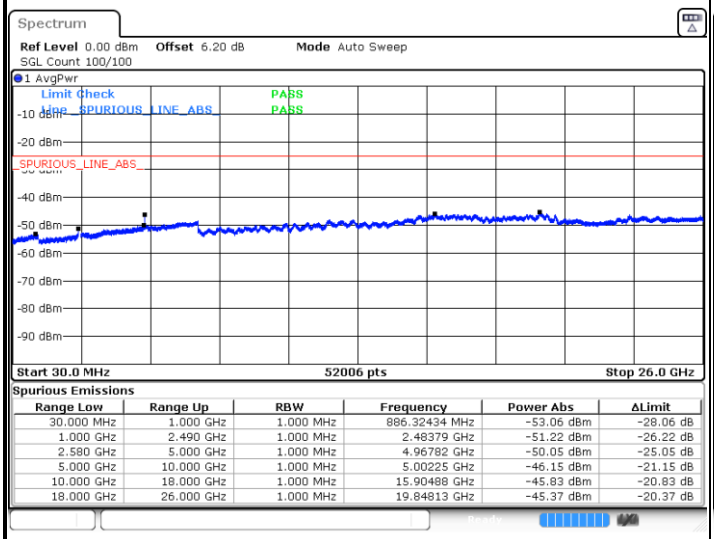
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.19340 MHz	-53.36 dBm	-28.36 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47982 GHz	-52.88 dBm	-27.88 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-45.84 dBm	-20.84 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11174 GHz	-45.36 dBm	-20.36 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.89388 GHz	-45.53 dBm	-20.53 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85213 GHz	-45.22 dBm	-20.22 dB

Date: 8.NOV.2019 11:39:34

LTE Band 7 / 20MHz

Lowest Channel / 64QAM

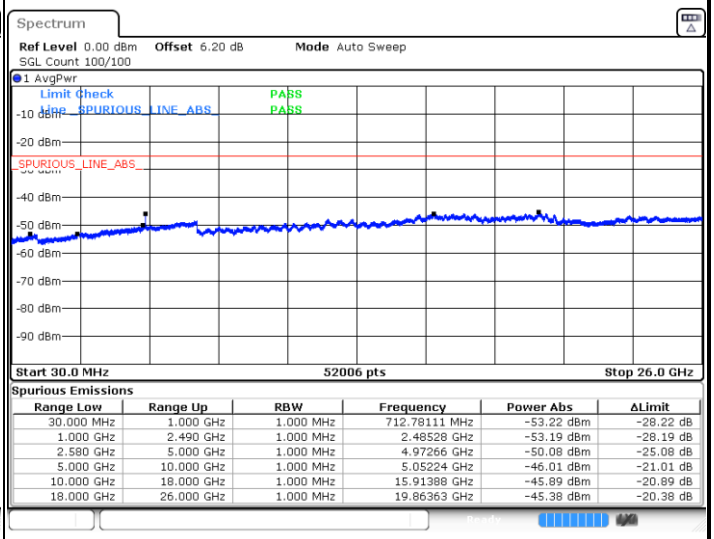


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.32434 MHz	-53.06 dBm	-28.06 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-51.22 dBm	-26.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96782 GHz	-50.05 dBm	-25.05 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-46.15 dBm	-21.15 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90488 GHz	-45.83 dBm	-20.83 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84813 GHz	-45.37 dBm	-20.37 dB

Date: 8.NOV.2019 11:44:10

Middle Channel / 64QAM

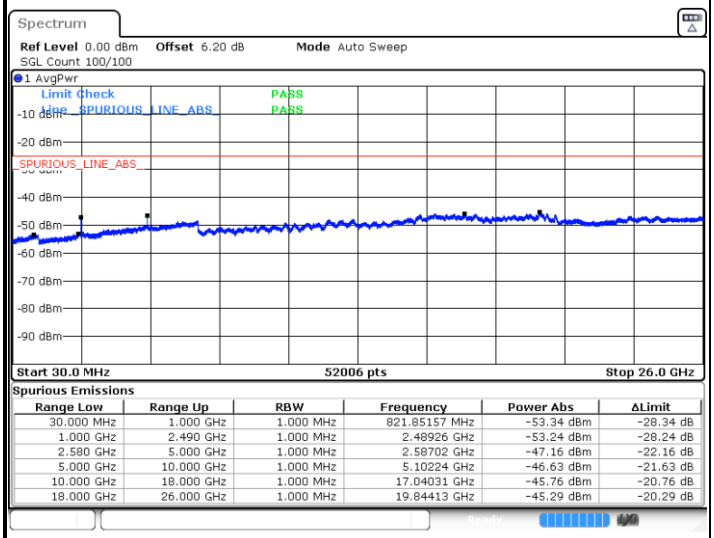


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	712.78111 MHz	-53.22 dBm	-28.22 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48528 GHz	-53.19 dBm	-28.19 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97266 GHz	-50.08 dBm	-25.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-46.01 dBm	-21.01 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91388 GHz	-45.89 dBm	-20.89 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86363 GHz	-45.38 dBm	-20.38 dB

Date: 8.NOV.2019 11:45:04

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	821.85157 MHz	-53.34 dBm	-28.34 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-53.24 dBm	-28.24 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-47.16 dBm	-22.16 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-46.63 dBm	-21.63 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04031 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84413 GHz	-45.29 dBm	-20.29 dB

Date: 8.NOV.2019 11:45:57

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	0.0052	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0067	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0014	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.8 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.

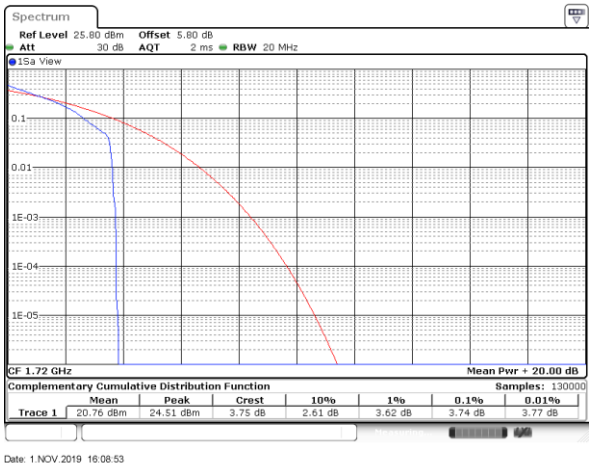
LTE Band 66

Peak-to-Average Ratio

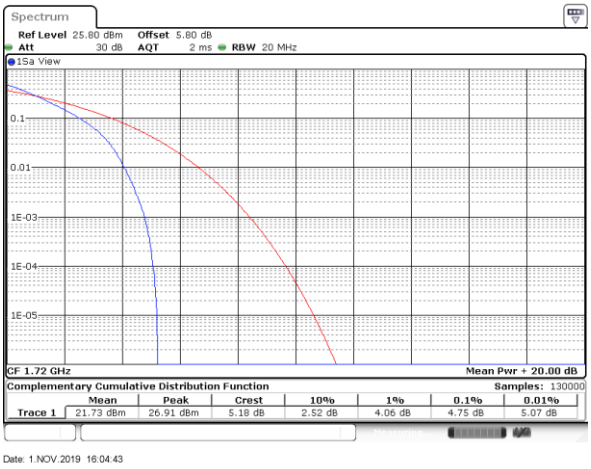
Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.74	4.75	5.13	6.20	PASS
Middle CH	3.65	4.72	5.42	6.09	
Highest CH	3.74	4.61	5.25	5.97	
Mode	LTE Band 66 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.84	6.81			PASS
Middle CH	6.23	6.61			
Highest CH	6.70	6.61			

LTE Band 66 / 20MHz / QPSK

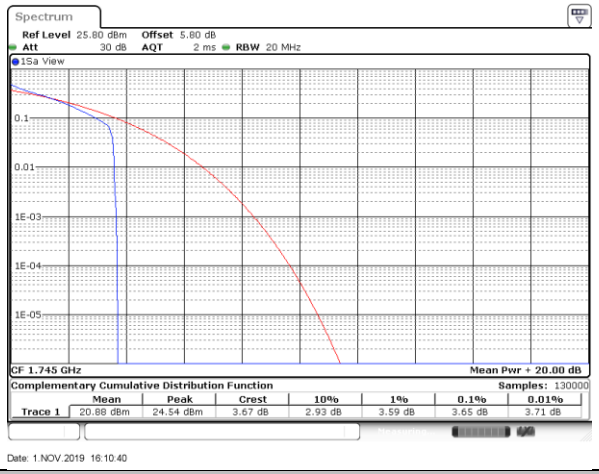
Lowest Channel / 1RB



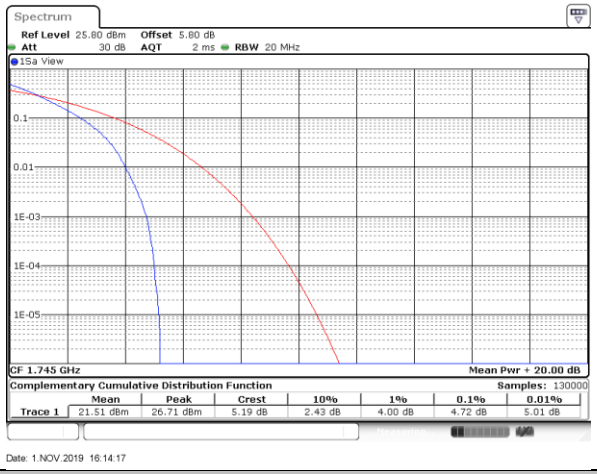
Lowest Channel / Full RB



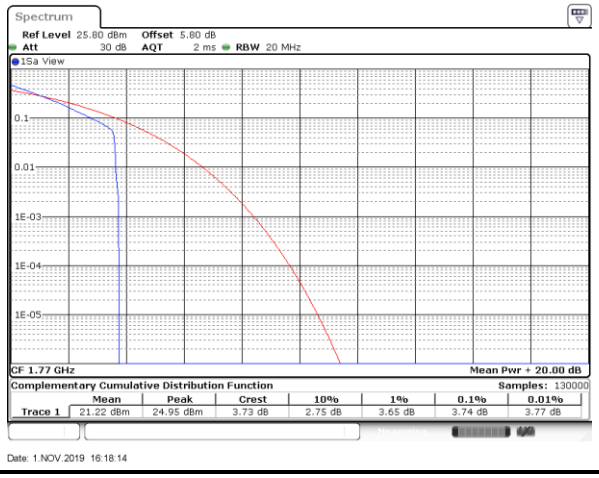
Middle Channel / 1RB



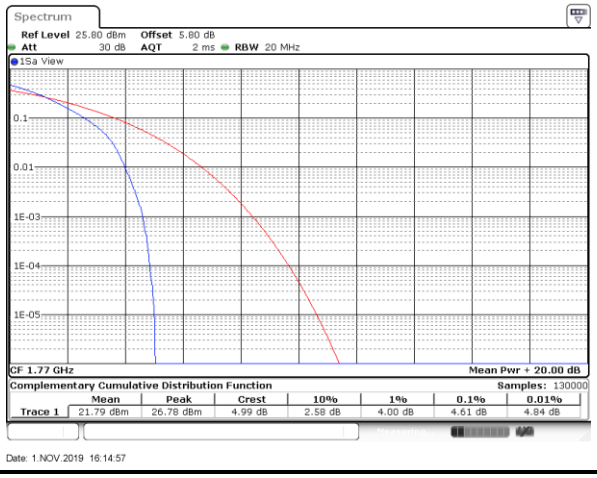
Middle Channel / Full RB



Highest Channel / 1RB

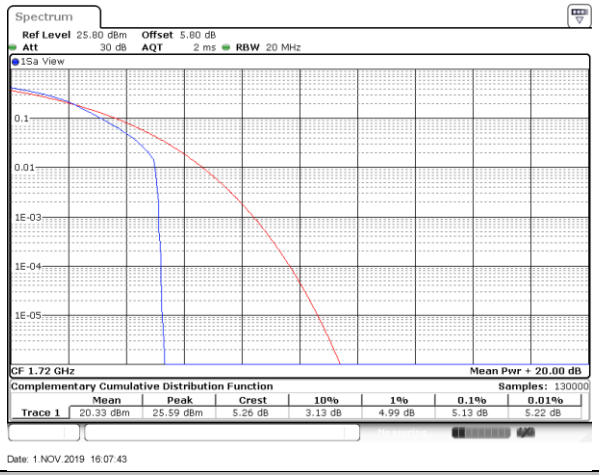


Highest Channel / Full RB

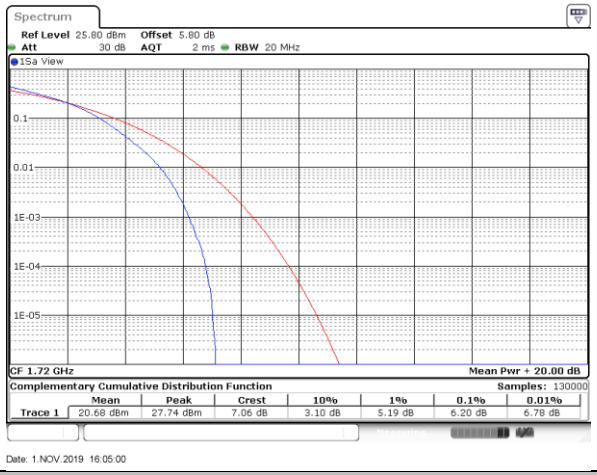


LTE Band 66 / 20MHz / 16QAM

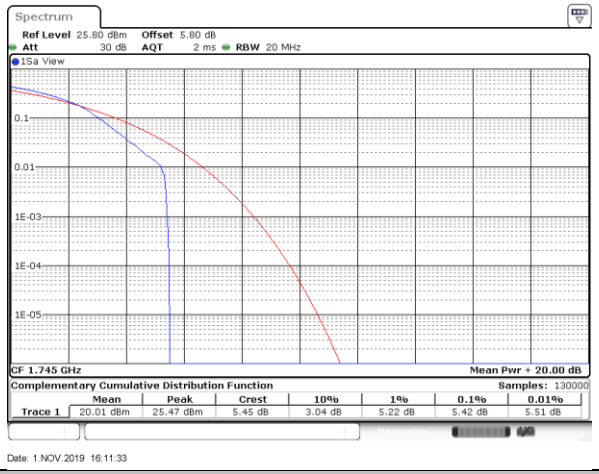
Lowest Channel / 1RB



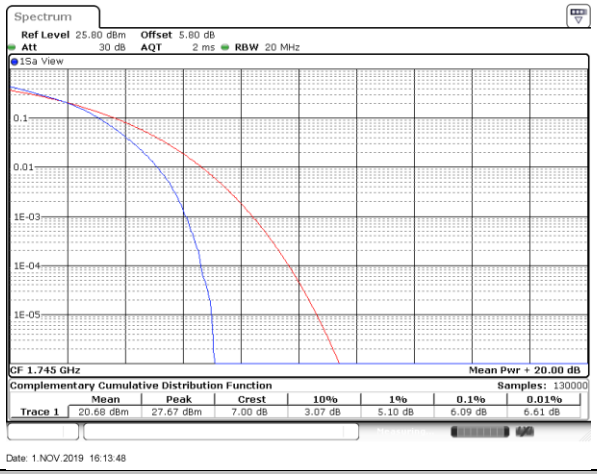
Lowest Channel / Full RB



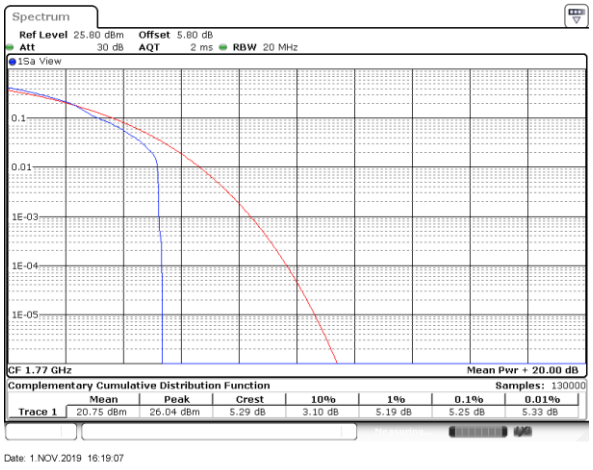
Middle Channel / 1RB



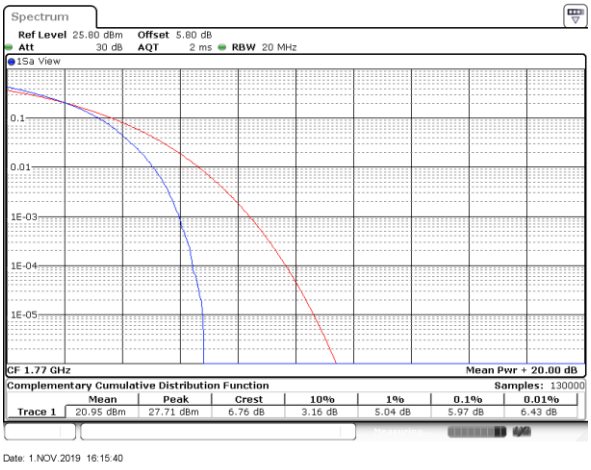
Middle Channel / Full RB



Highest Channel / 1RB

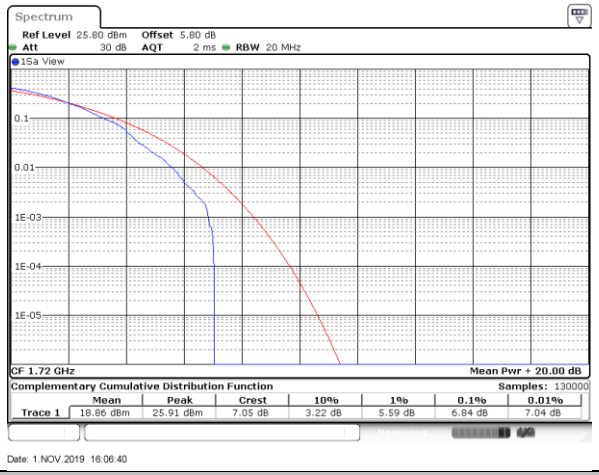


Highest Channel / Full RB

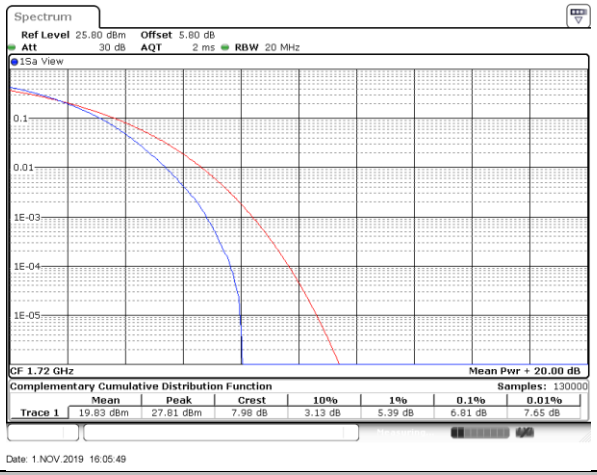


LTE Band 66 / 20MHz / 64QAM

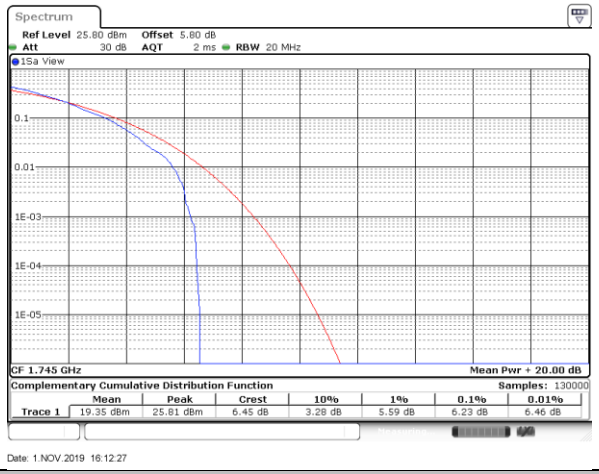
Lowest Channel / 1RB



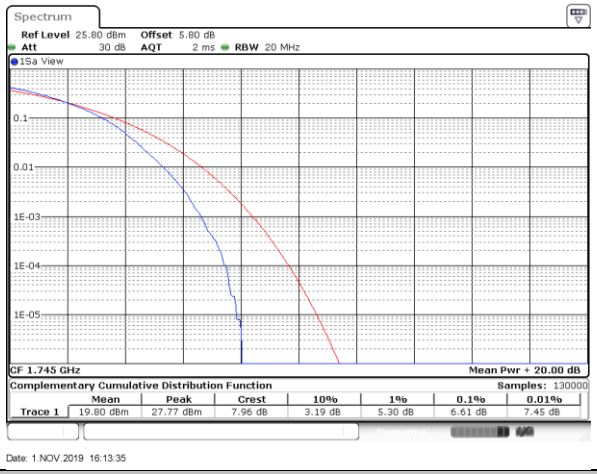
Lowest Channel / Full RB



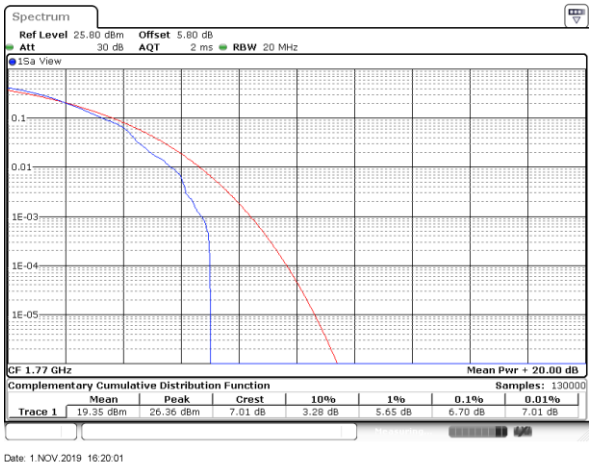
Middle Channel / 1RB



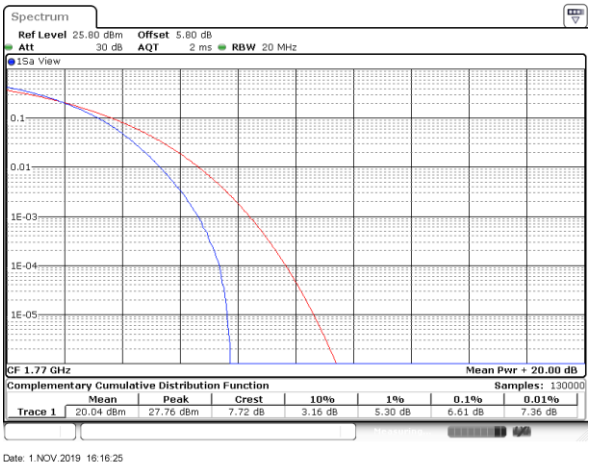
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

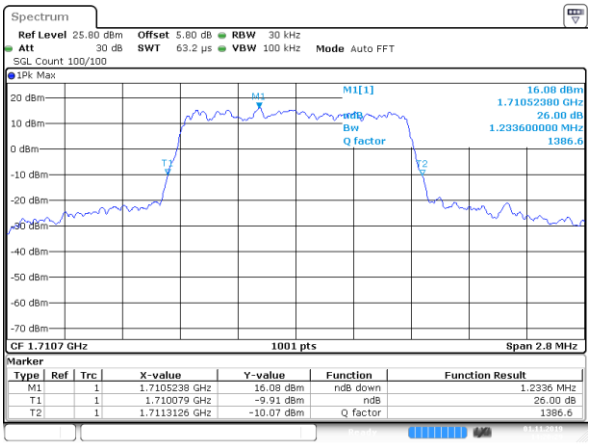


26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.2336	1.2336	3.027	3.021	4.985	4.855	9.67	9.83	14.505	14.446	20.18	20.22
Middle CH	1.2392	1.2252	3.051	3.009	4.905	4.955	9.83	9.87	14.565	14.386	20.10	20.18
Highest CH	1.2308	1.2336	3.039	3.063	4.945	4.855	9.93	9.93	14.296	14.176	20.10	20.10
Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.2252		2.991		4.925		9.77		14.446		20.10	
Middle CH	1.2196		3.063		4.915		9.77		14.416		20.06	
Highest CH	1.2056		3.027		4.905		9.81		14.326		20.22	

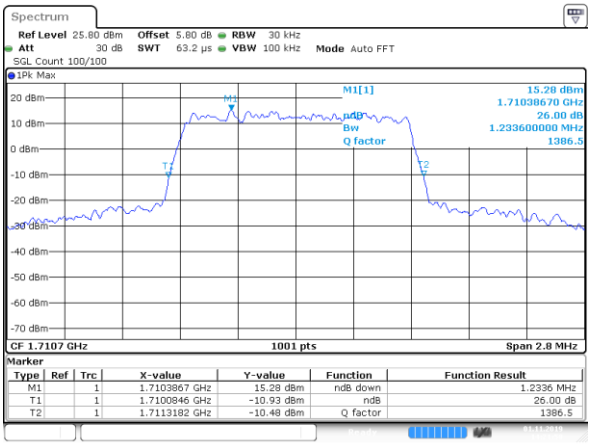
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



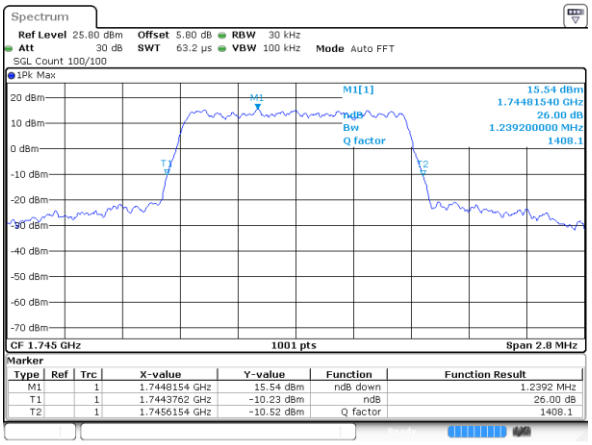
Date: 1.NOV.2019 14:20:29

Lowest Channel / 1.4MHz / 16QAM



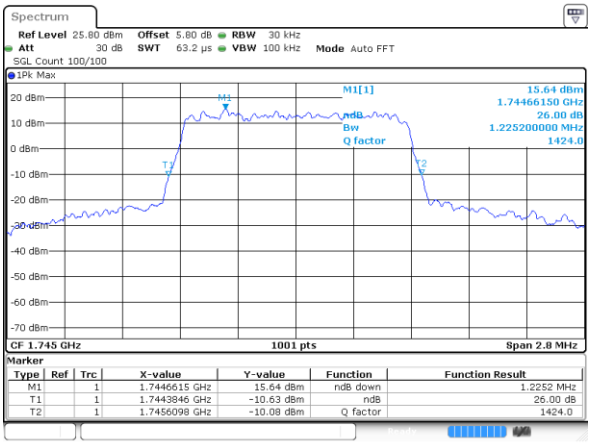
Date: 1.NOV.2019 14:21:59

Middle Channel / 1.4MHz / QPSK



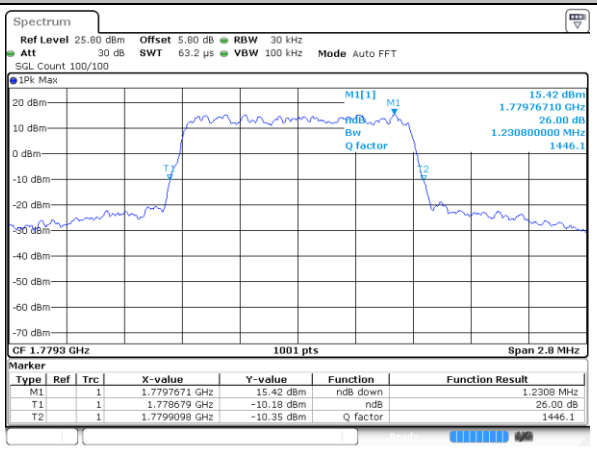
Date: 1.NOV.2019 14:38:52

Middle Channel / 1.4MHz / 16QAM



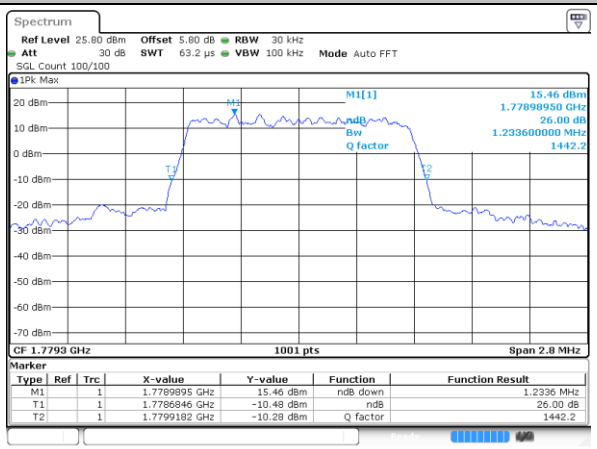
Date: 1.NOV.2019 14:39:18

Highest Channel / 1.4MHz / QPSK



Date: 1.NOV.2019 14:43:16

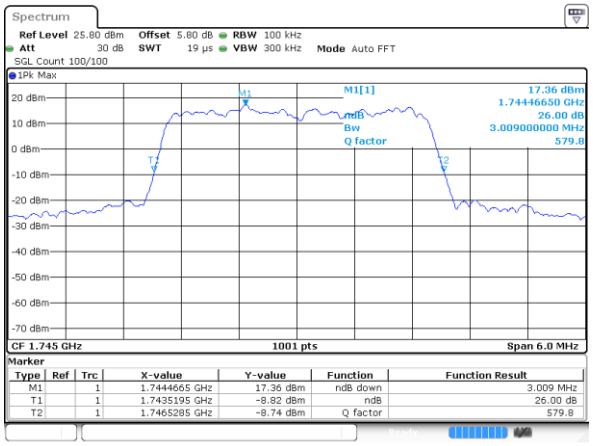
Highest Channel / 1.4MHz / 16QAM



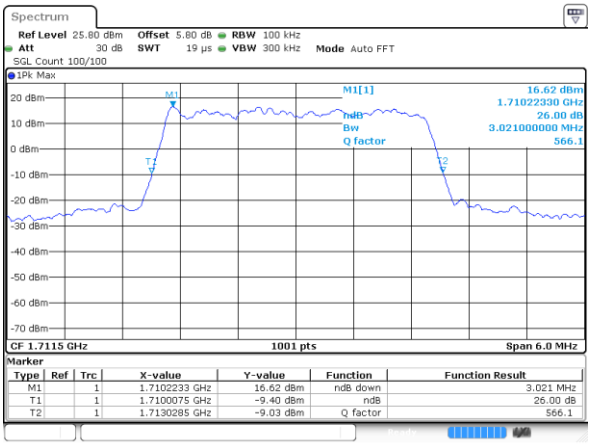
Date: 1.NOV.2019 14:41:49

LTE Band 66

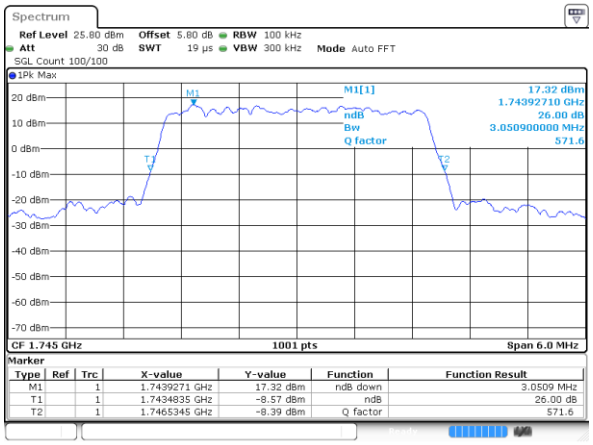
Lowest Channel / 3MHz / QPSK



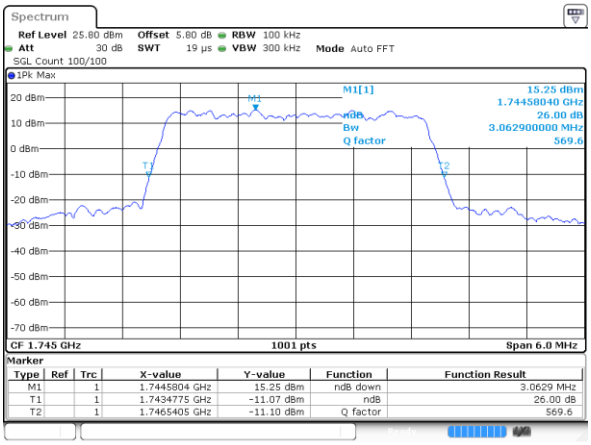
Lowest Channel / 3MHz / 16QAM



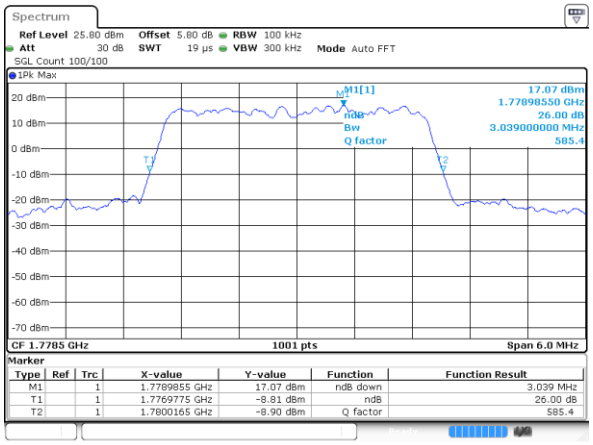
Middle Channel / 3MHz / QPSK



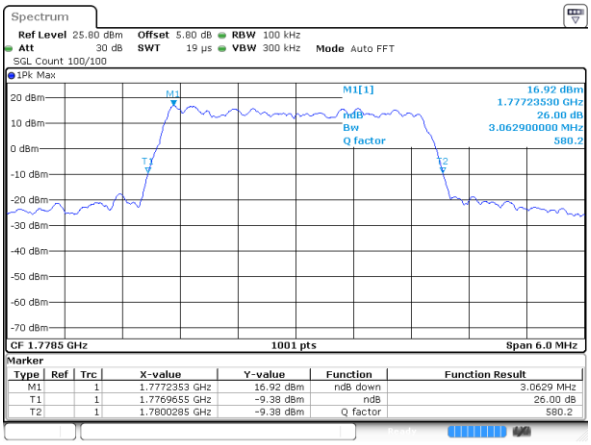
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

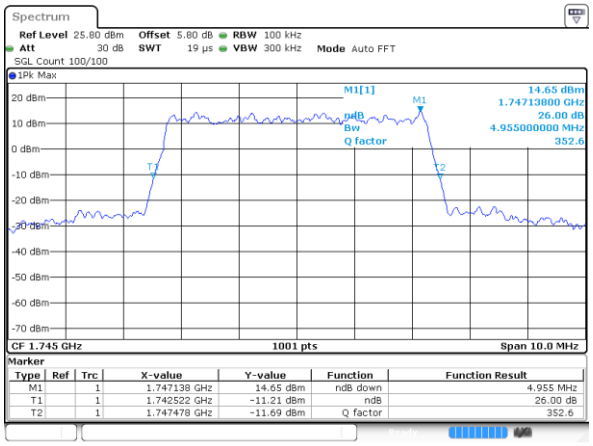


Highest Channel / 3MHz / 16QAM

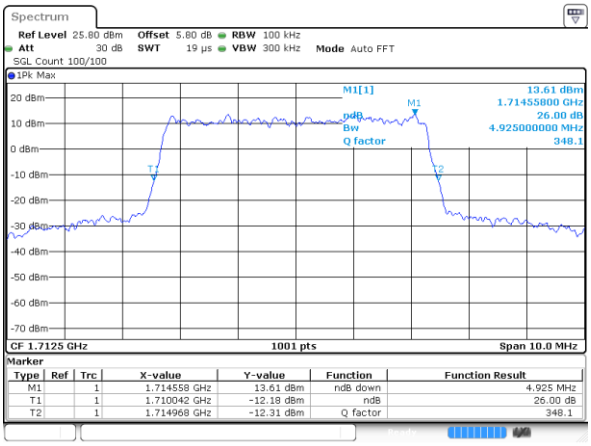


LTE Band 66

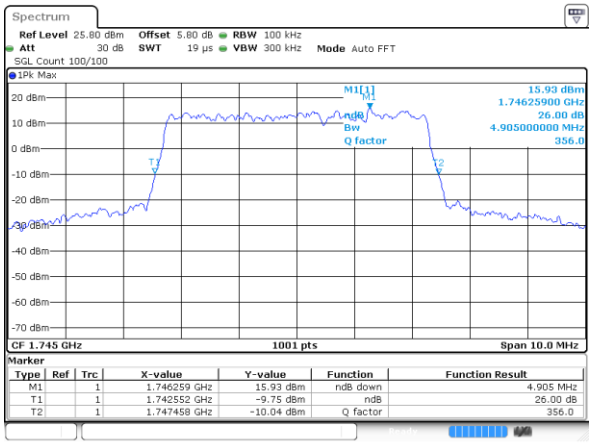
Lowest Channel / 5MHz / QPSK



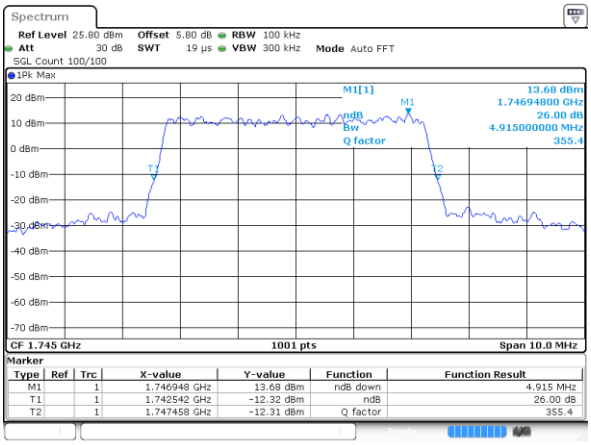
Lowest Channel / 5MHz / 16QAM



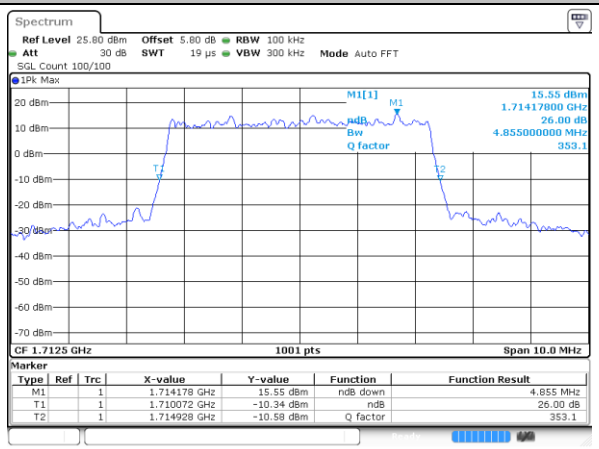
Middle Channel / 5MHz / QPSK



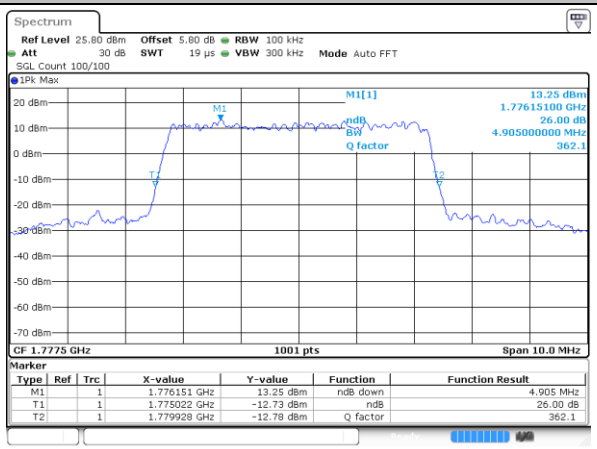
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

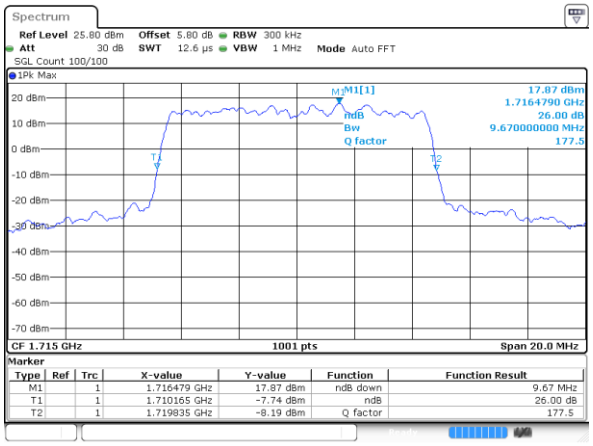


Highest Channel / 5MHz / 16QAM

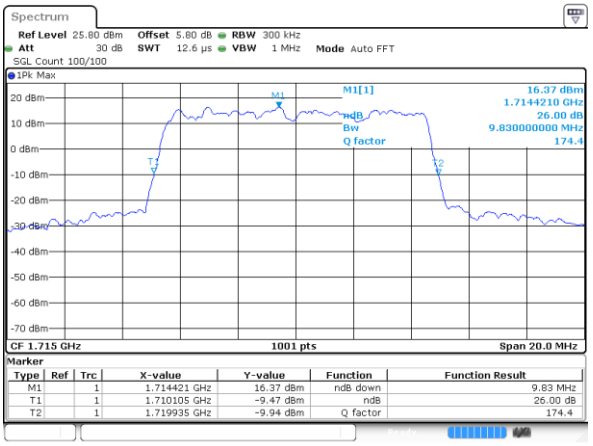


LTE Band 66

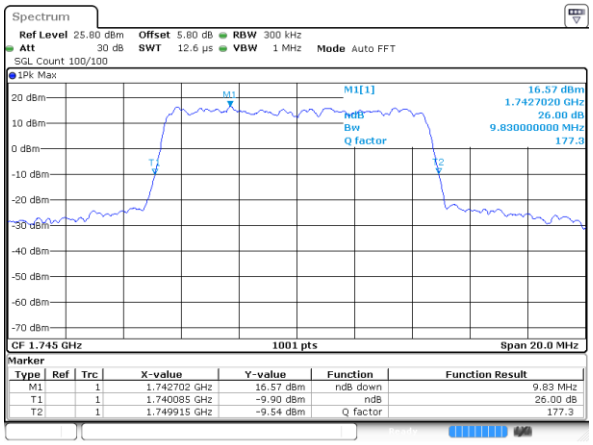
Lowest Channel / 10MHz / QPSK



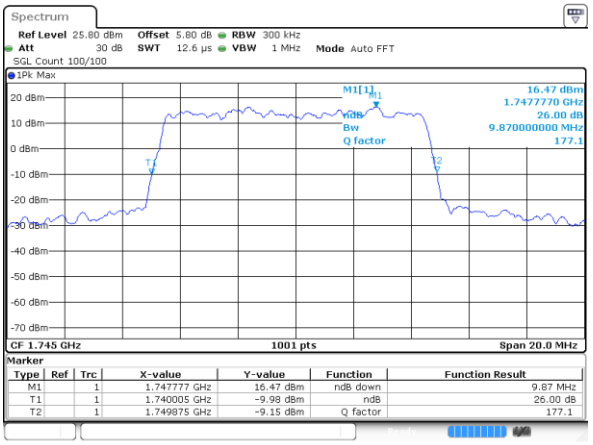
Lowest Channel / 10MHz / 16QAM



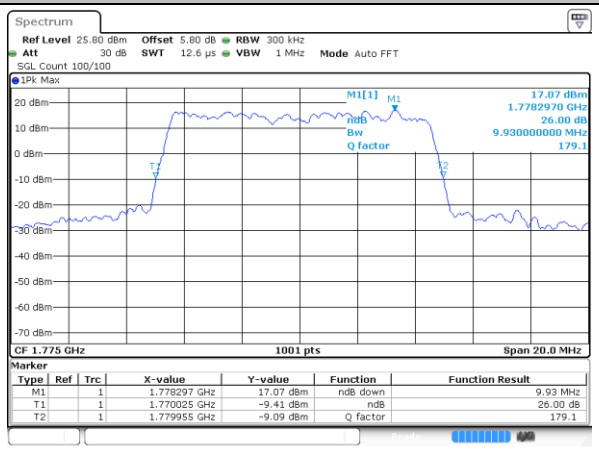
Middle Channel / 10MHz / QPSK



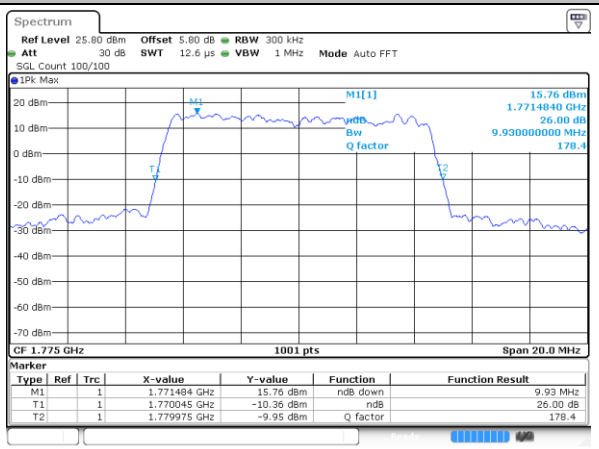
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

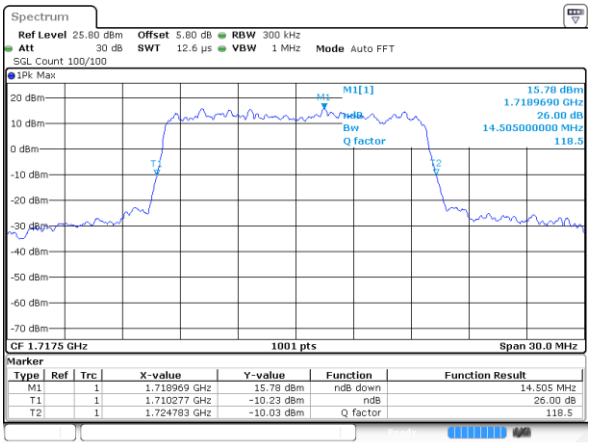


Highest Channel / 10MHz / 16QAM

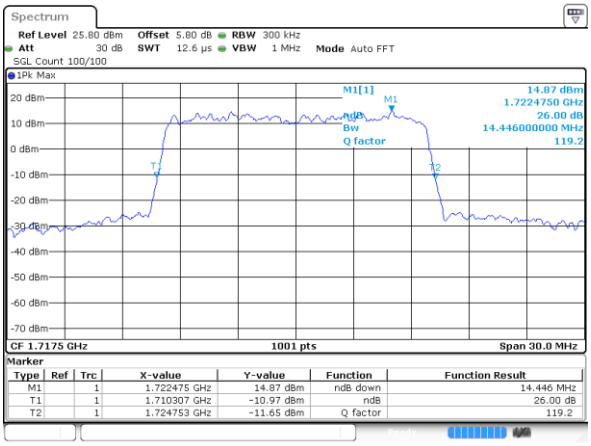


LTE Band 66

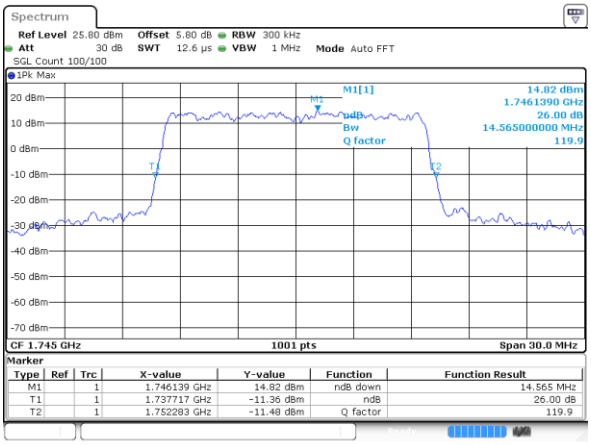
Lowest Channel / 15MHz / QPSK



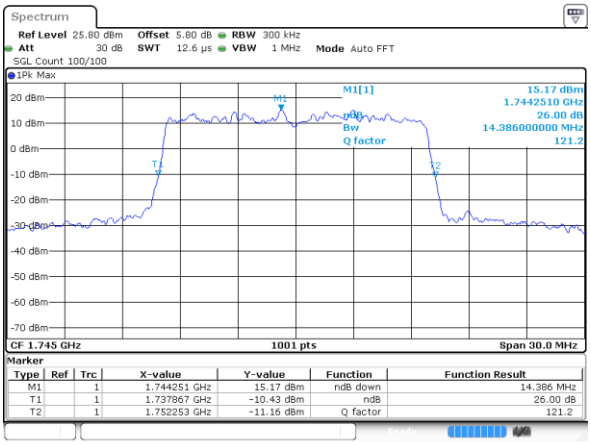
Lowest Channel / 15MHz / 16QAM



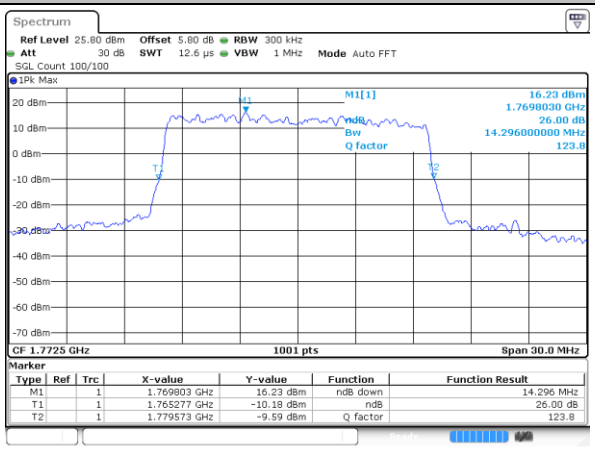
Middle Channel / 15MHz / QPSK



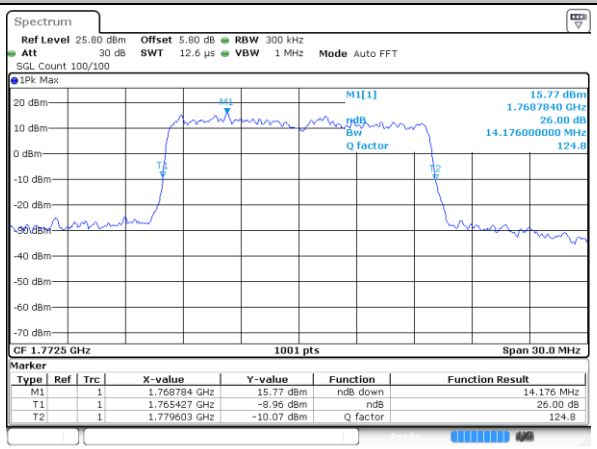
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

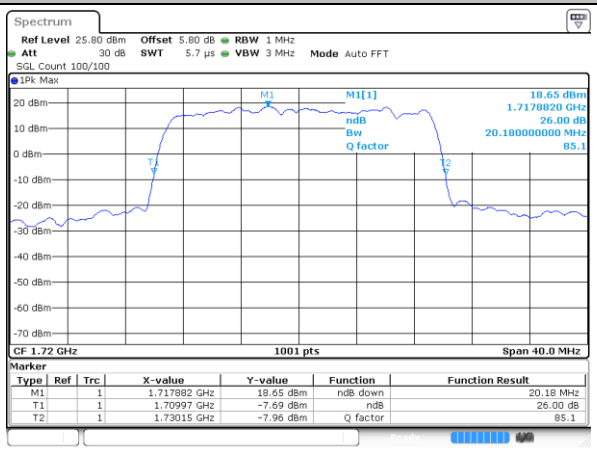


Highest Channel / 15MHz / 16QAM

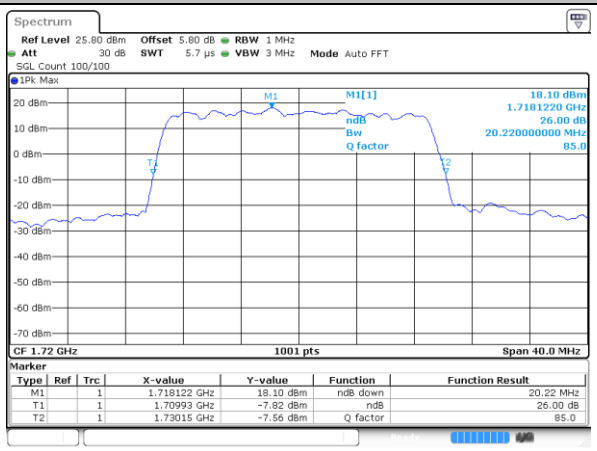


LTE Band 66

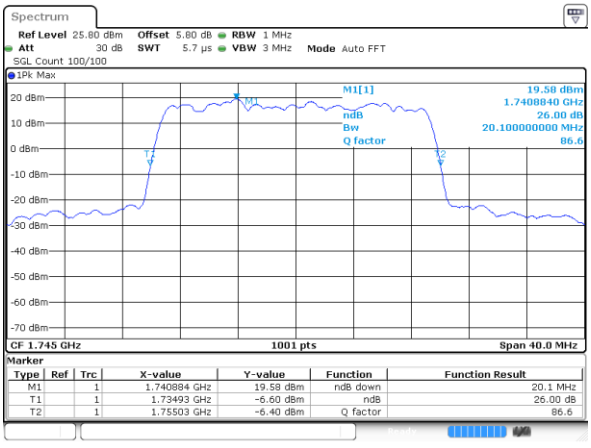
Lowest Channel / 20MHz / QPSK



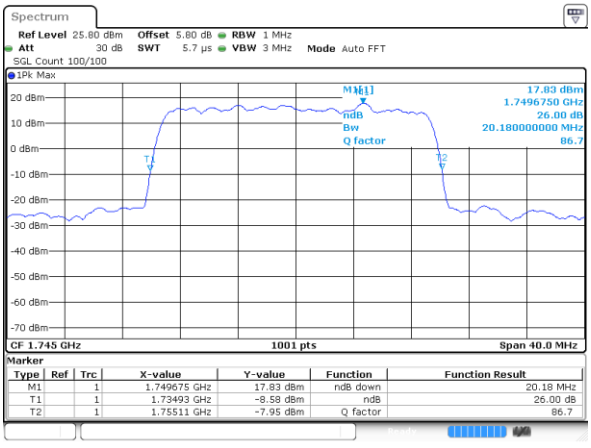
Lowest Channel / 20MHz / 16QAM



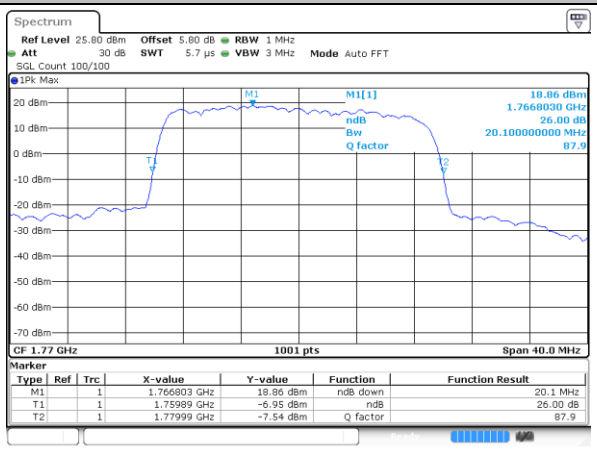
Middle Channel / 20MHz / QPSK



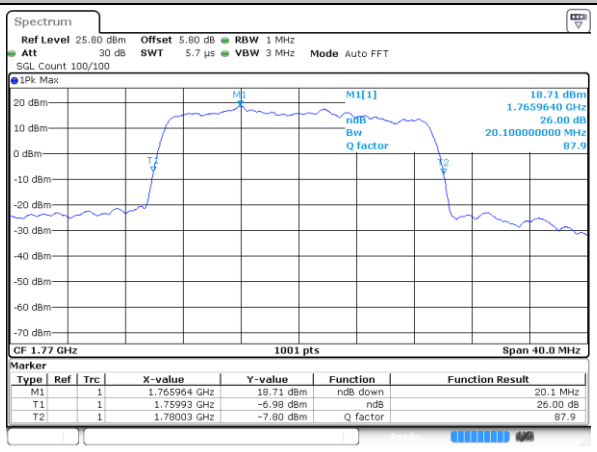
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

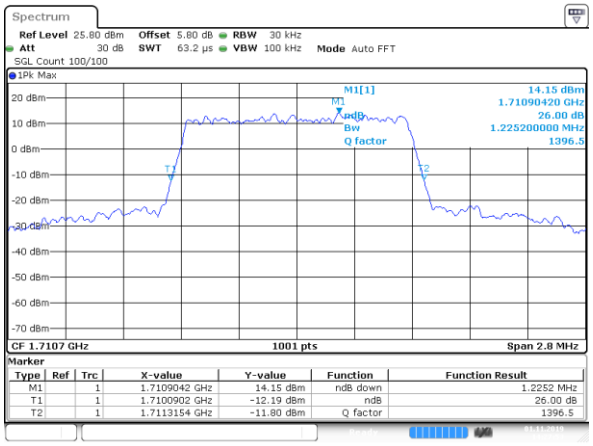


Highest Channel / 20MHz / 16QAM

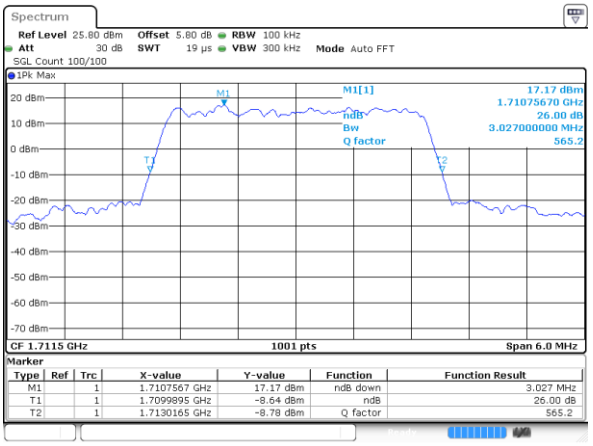


LTE Band 66

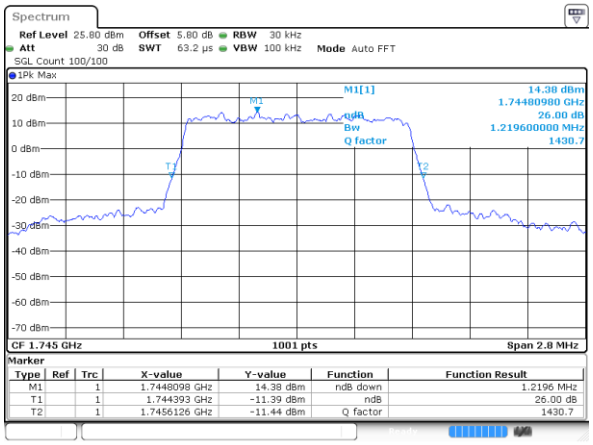
Lowest Channel / 1.4MHz / 64QAM



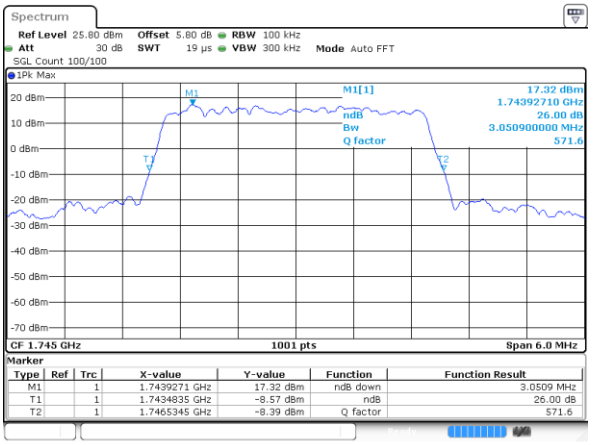
Lowest Channel / 3MHz / 64QAM



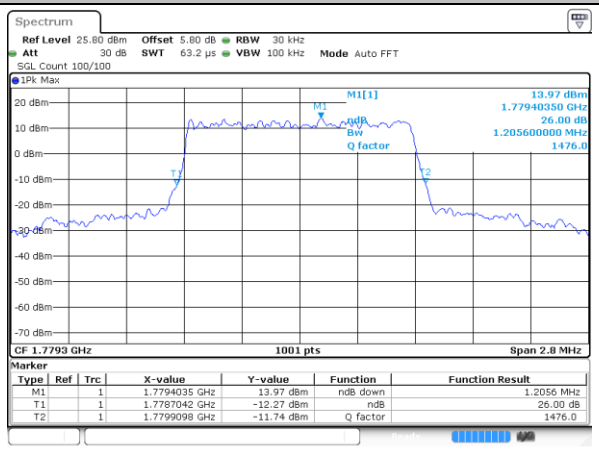
Middle Channel / 20MHz / 64QAM



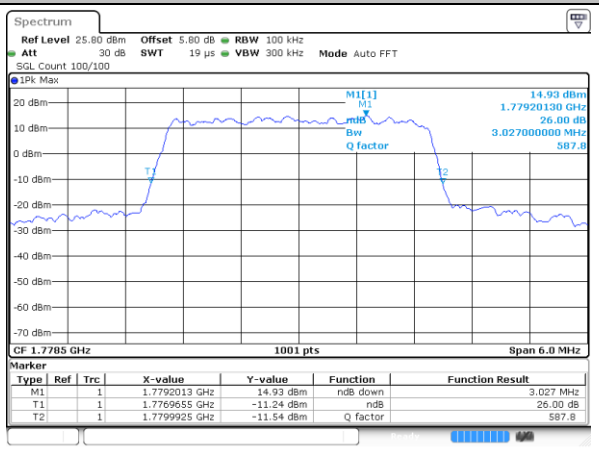
Middle Channel / 3MHz / 64QAM



Highest Channel / 20MHz / 64QAM

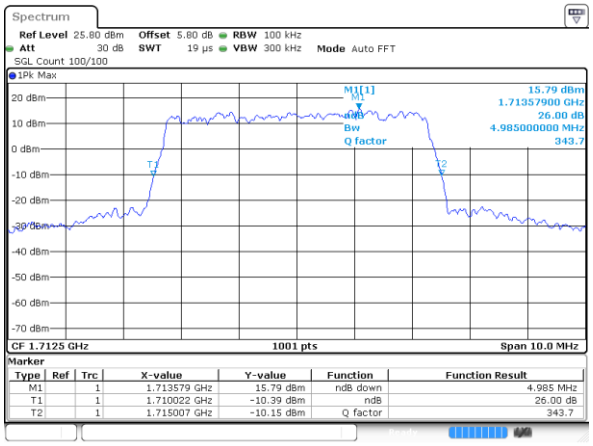


Highest Channel / 3MHz / 64QAM

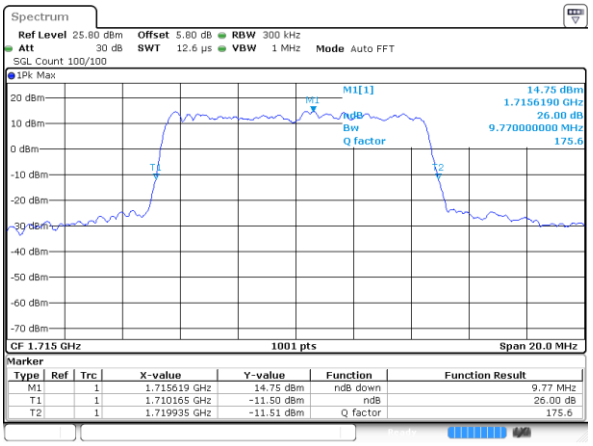


LTE Band 66

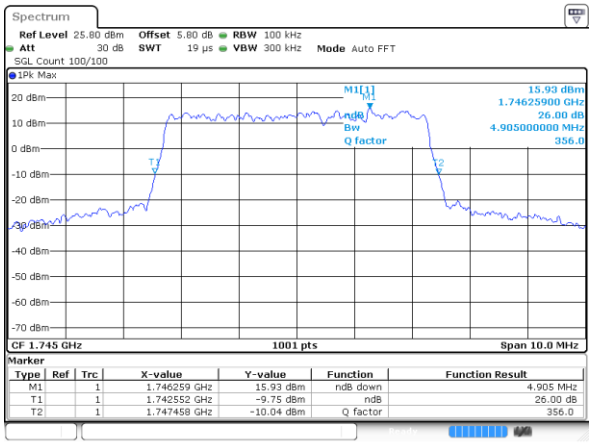
Lowest Channel / 5MHz / 64QAM



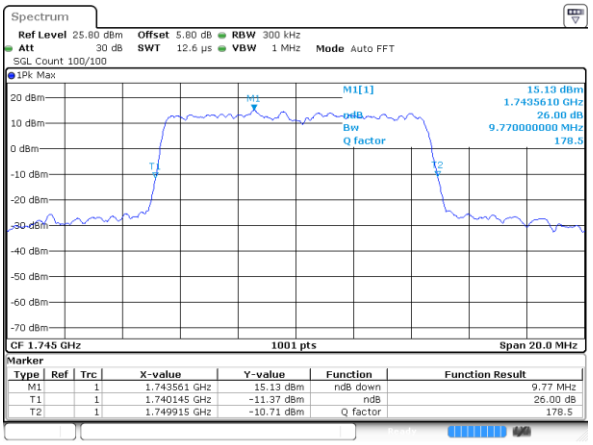
Lowest Channel / 10MHz / 64QAM



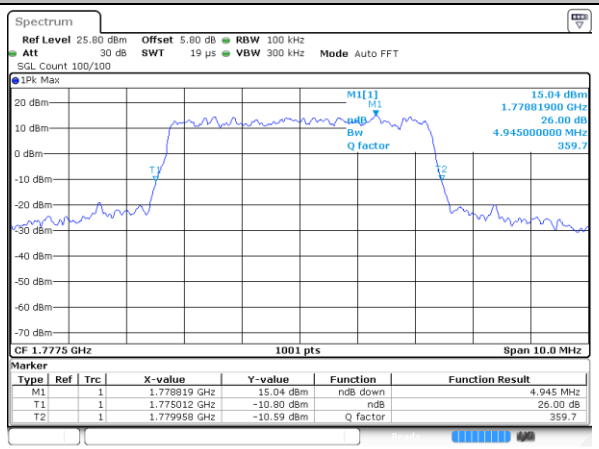
Middle Channel / 5MHz / 64QAM



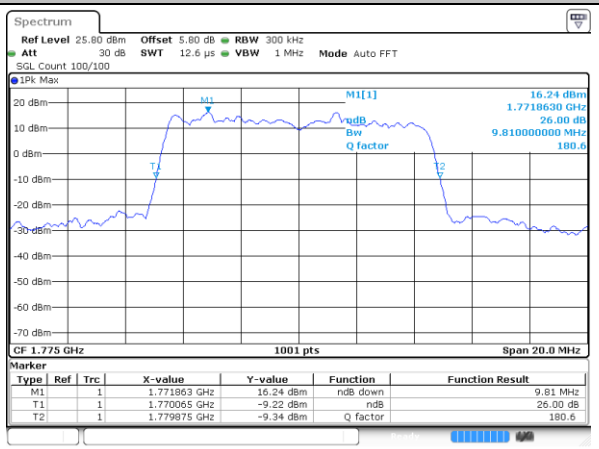
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

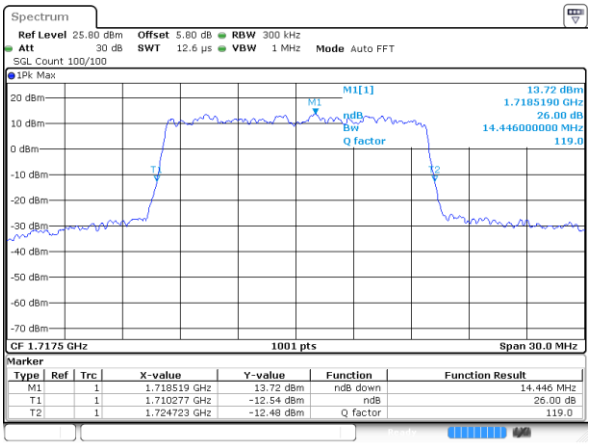


Highest Channel / 10MHz / 64QAM

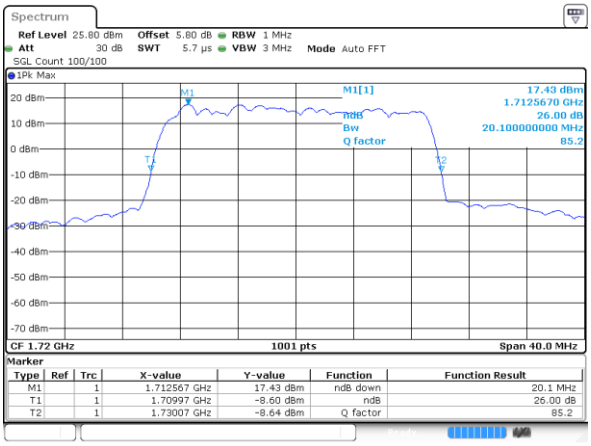


LTE Band 66

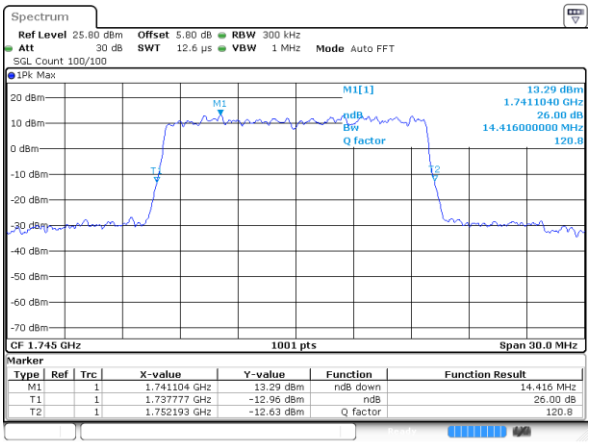
Lowest Channel / 15MHz / 64QAM



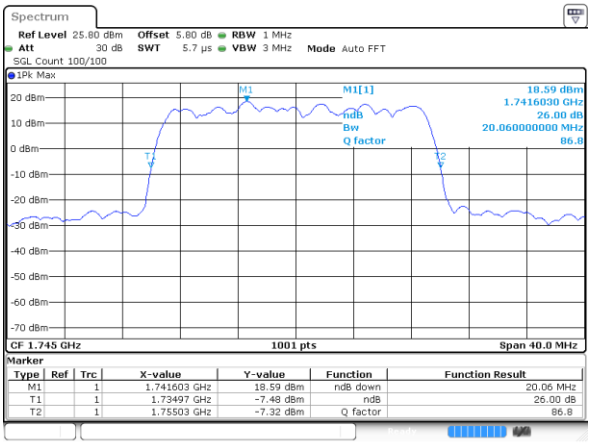
Lowest Channel / 20MHz / 64QAM



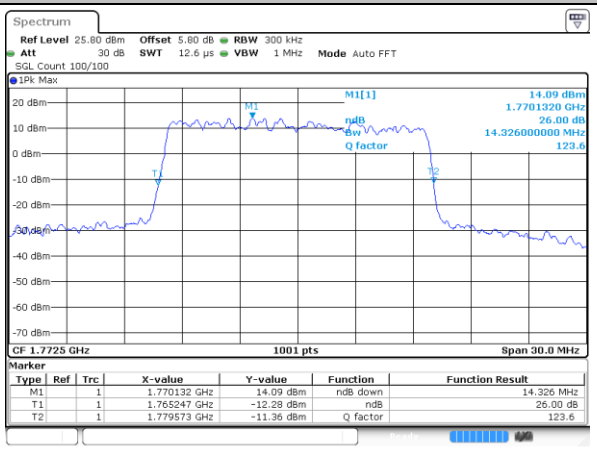
Middle Channel / 15MHz / 64QAM



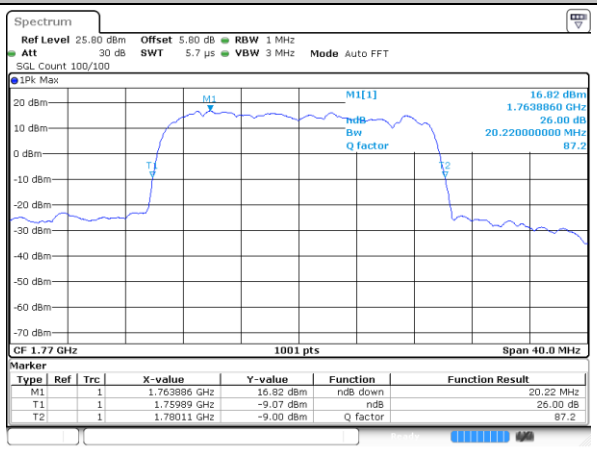
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

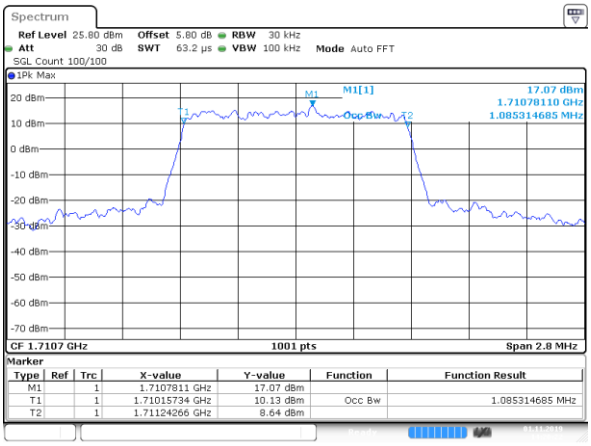


Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.73	2.72	4.48	4.49	9.01	8.97	13.40	13.40	18.30	18.38
Middle CH	1.09	1.10	2.71	2.72	4.50	4.48	9.07	9.07	13.43	13.49	18.38	18.26
Highest CH	1.09	1.09	2.73	2.72	4.50	4.51	9.03	9.03	13.40	13.40	18.26	18.18
Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09		2.71		4.50		9.01		13.43		18.18	
Middle CH	1.09		2.70		4.49		9.05		13.40		18.26	
Highest CH	1.09		2.72		4.51		8.95		13.37		18.18	

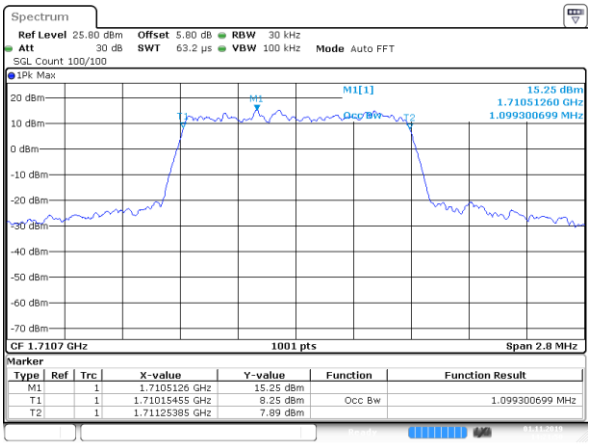
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



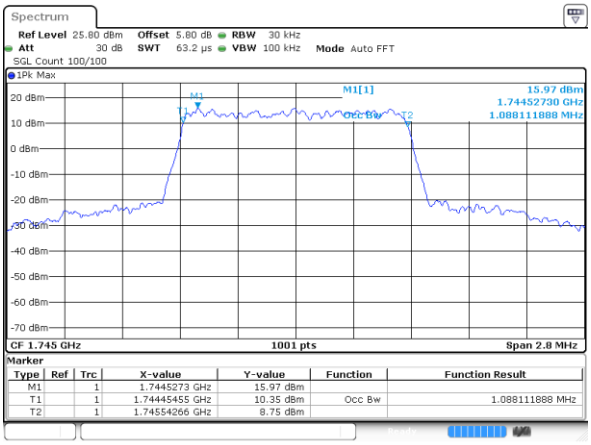
Date: 1.NOV.2019 14:20:22

Lowest Channel / 1.4MHz / 16QAM



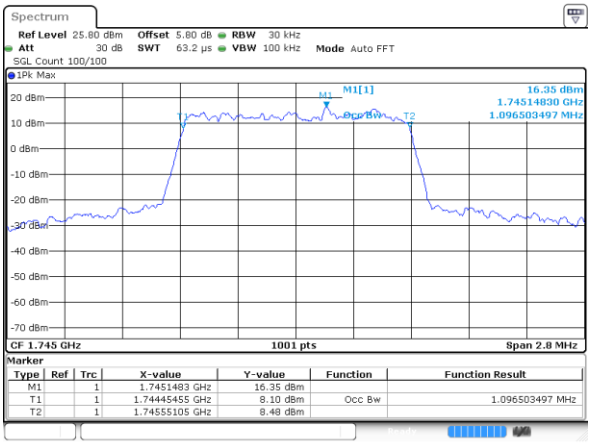
Date: 1.NOV.2019 14:21:50

Middle Channel / 1.4MHz / QPSK



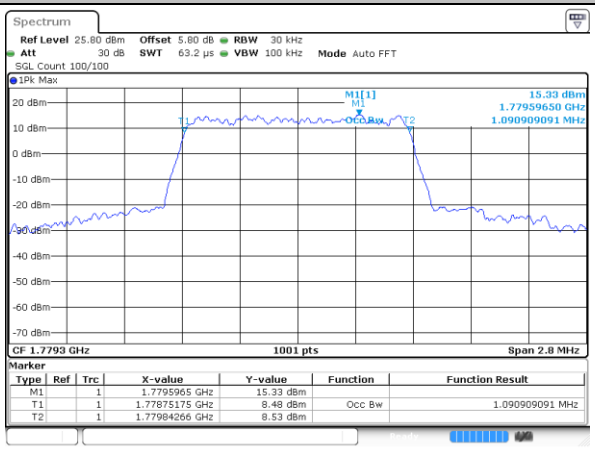
Date: 1.NOV.2019 14:38:42

Middle Channel / 1.4MHz / 16QAM



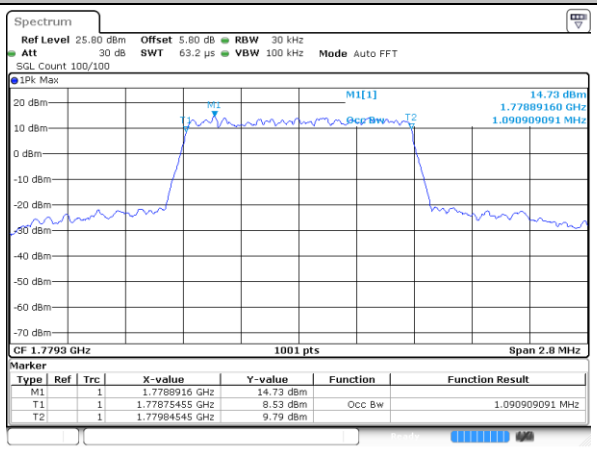
Date: 1.NOV.2019 14:39:09

Highest Channel / 1.4MHz / QPSK



Date: 1.NOV.2019 14:43:07

Highest Channel / 1.4MHz / 16QAM



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