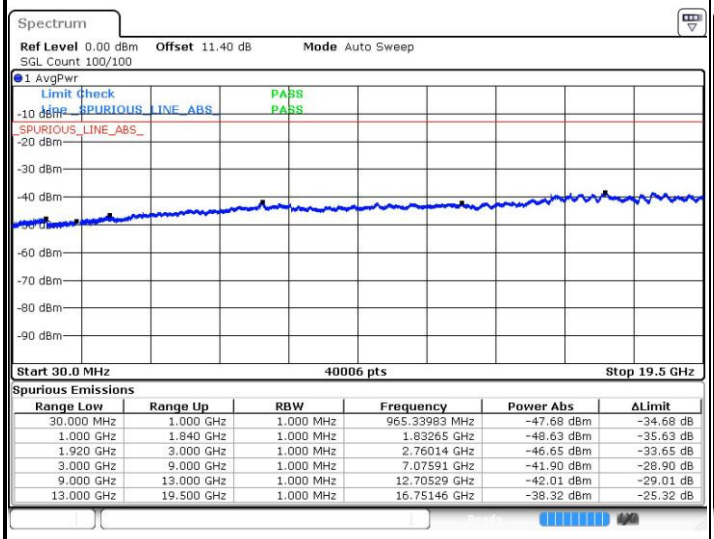
Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

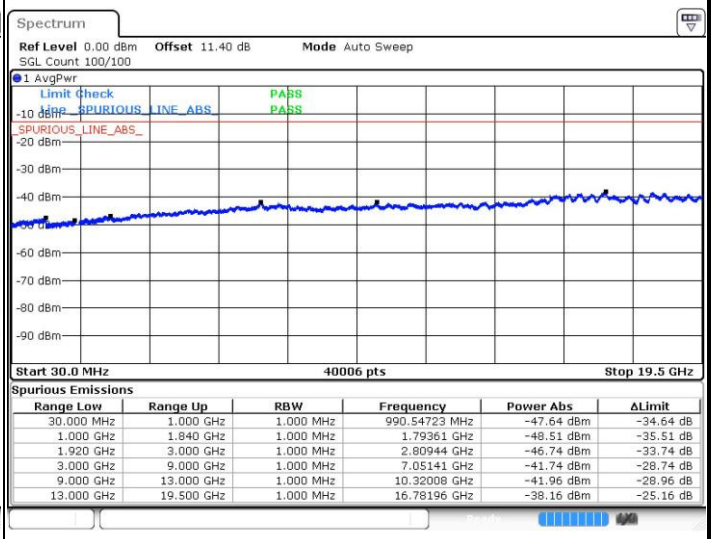


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	965.33983 MHz	-47.68 dBm	-34.68 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83265 GHz	-48.63 dBm	-35.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.76014 GHz	-46.65 dBm	-33.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07591 GHz	-41.90 dBm	-28.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70529 GHz	-42.01 dBm	-29.01 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.75146 GHz	-38.32 dBm	-25.32 dB

Date: 26.MAY.2016 08:35:59

Lowest Channel / 16QAM

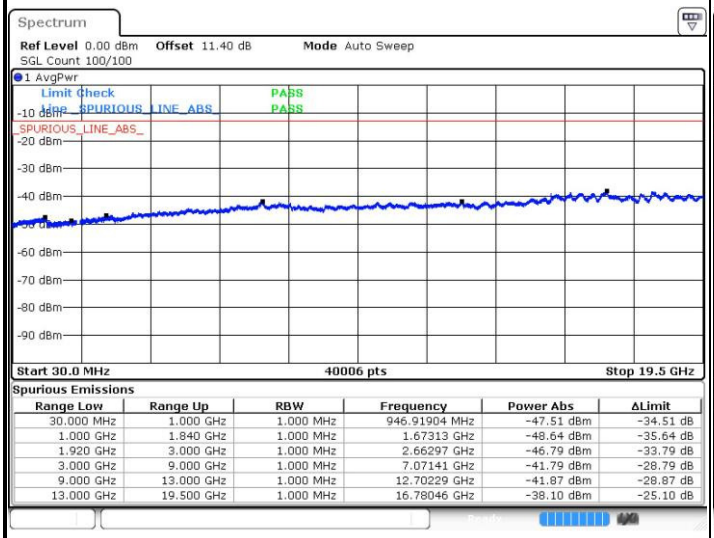


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.54723 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79361 GHz	-48.51 dBm	-35.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80944 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05141 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32008 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78196 GHz	-38.16 dBm	-25.16 dB

Date: 26.MAY.2016 08:36:54

Middle Channel / QPSK

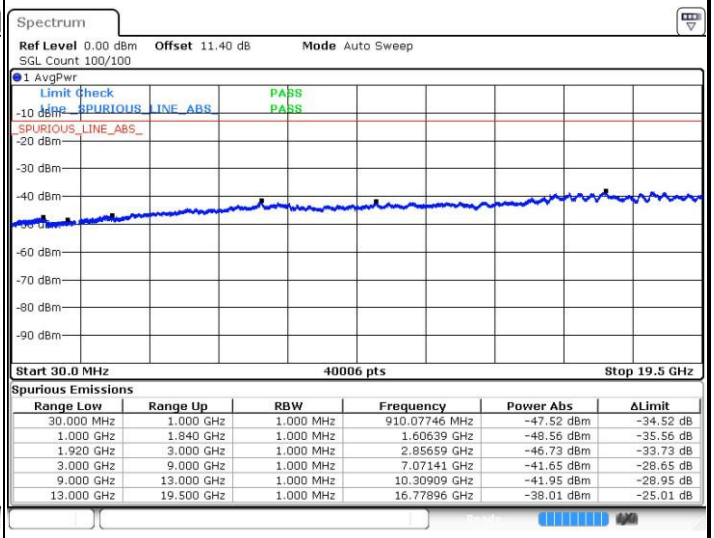


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-47.51 dBm	-34.51 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67313 GHz	-48.64 dBm	-35.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66297 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07141 GHz	-41.79 dBm	-28.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70229 GHz	-41.87 dBm	-28.87 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78046 GHz	-38.10 dBm	-25.10 dB

Date: 26.MAY.2016 08:38:31

Middle Channel / 16QAM



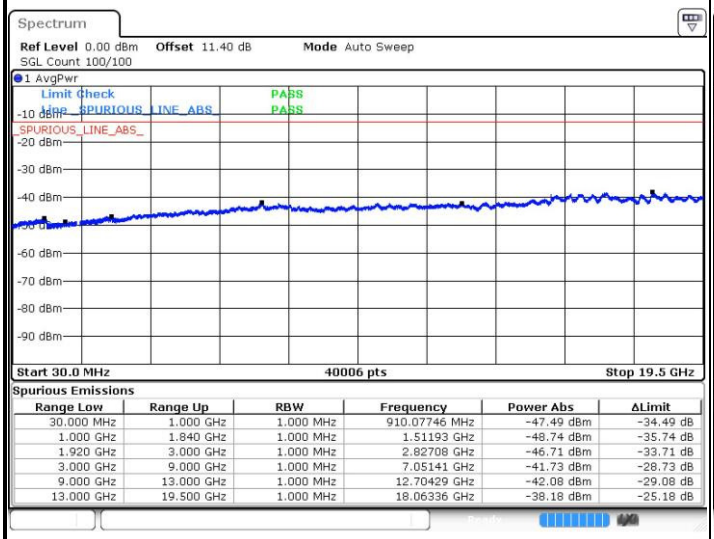
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.07746 MHz	-47.52 dBm	-34.52 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60639 GHz	-48.56 dBm	-35.56 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85659 GHz	-46.73 dBm	-33.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07141 GHz	-41.65 dBm	-28.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30909 GHz	-41.95 dBm	-28.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77896 GHz	-38.01 dBm	-25.01 dB

Date: 26.MAY.2016 08:39:26

LTE Band 2 / 1.4MHz

Highest Channel / QPSK

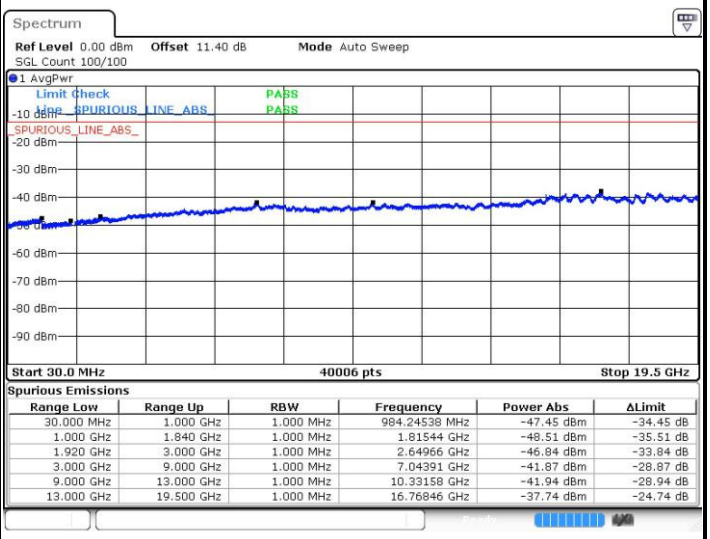


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.07746 MHz	-47.49 dBm	-34.49 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.51193 GHz	-48.74 dBm	-35.74 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82708 GHz	-46.71 dBm	-33.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05141 GHz	-41.73 dBm	-28.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70429 GHz	-42.08 dBm	-29.08 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06336 GHz	-38.18 dBm	-25.18 dB

Date: 26.MAY.2016 08:45:41

Highest Channel / 16QAM



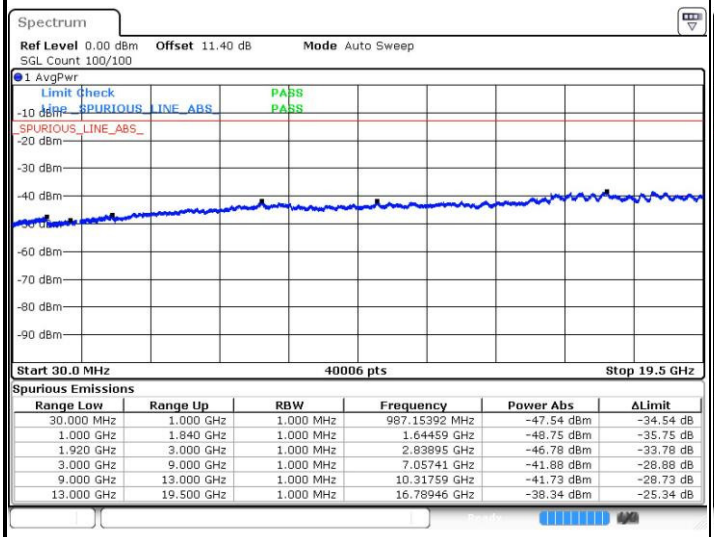
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-47.45 dBm	-34.45 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81544 GHz	-48.51 dBm	-35.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64966 GHz	-46.84 dBm	-33.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04391 GHz	-41.87 dBm	-28.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33158 GHz	-41.94 dBm	-28.94 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76846 GHz	-37.74 dBm	-24.74 dB

Date: 26.MAY.2016 08:46:35

LTE Band 2 / 3MHz

Lowest Channel / QPSK

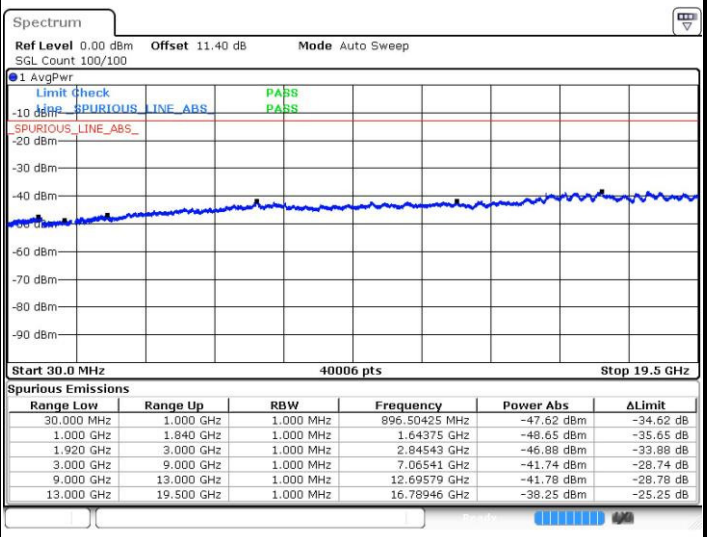


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-47.54 dBm	-34.54 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64459 GHz	-48.75 dBm	-35.75 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83895 GHz	-46.78 dBm	-33.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05741 GHz	-41.88 dBm	-28.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31759 GHz	-41.73 dBm	-28.73 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78946 GHz	-38.34 dBm	-25.34 dB

Date: 26.MAY.2016 07:05:21

Lowest Channel / 16QAM



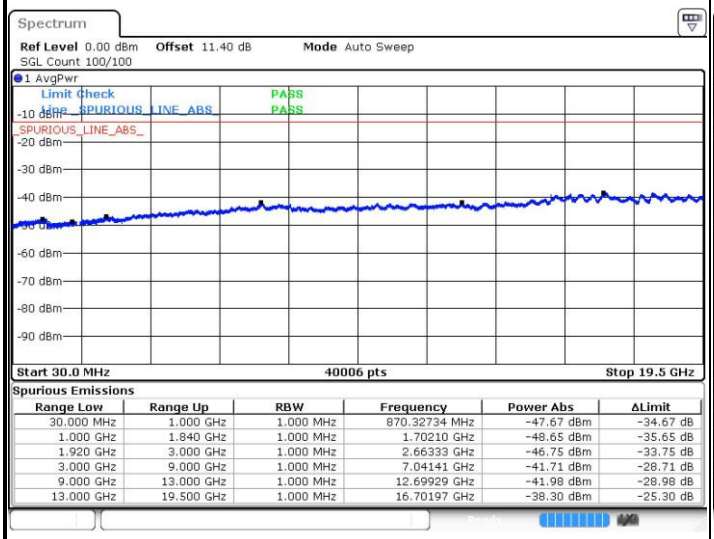
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-47.62 dBm	-34.62 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64375 GHz	-48.65 dBm	-35.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84543 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06541 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69579 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78946 GHz	-38.25 dBm	-25.25 dB

Date: 26.MAY.2016 07:06:16

LTE Band 2 / 3MHz

Middle Channel / QPSK

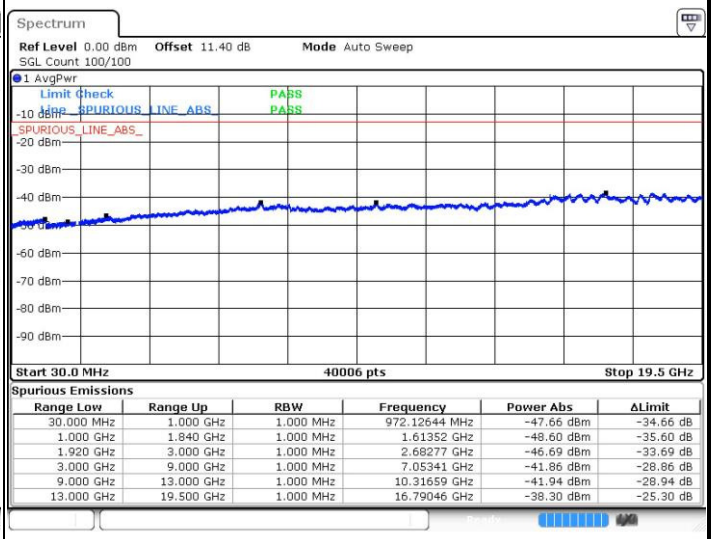


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.32734 MHz	-47.67 dBm	-34.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.70210 GHz	-48.65 dBm	-35.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66333 GHz	-46.75 dBm	-33.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04141 GHz	-41.71 dBm	-28.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69929 GHz	-41.98 dBm	-28.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.70197 GHz	-38.30 dBm	-25.30 dB

Date: 26.MAY.2016 07:07:53

Middle Channel / 16QAM

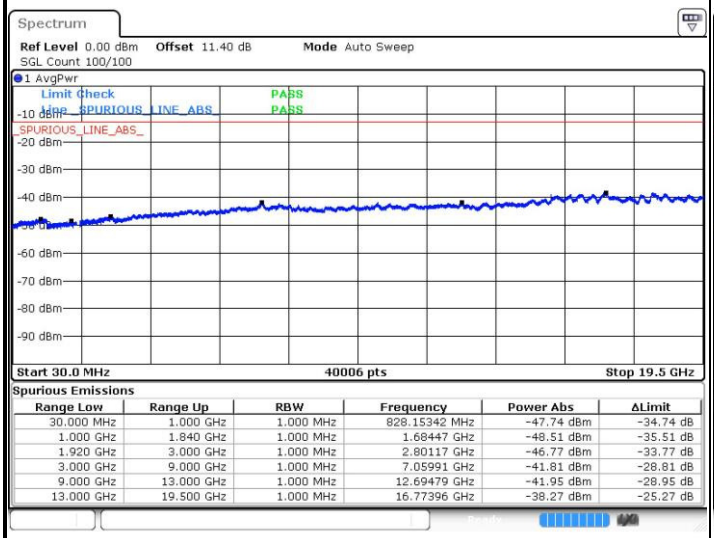


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-47.66 dBm	-34.66 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61352 GHz	-48.60 dBm	-35.60 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68277 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05341 GHz	-41.86 dBm	-28.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31659 GHz	-41.94 dBm	-28.94 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.79046 GHz	-38.30 dBm	-25.30 dB

Date: 26.MAY.2016 07:08:47

Highest Channel / QPSK

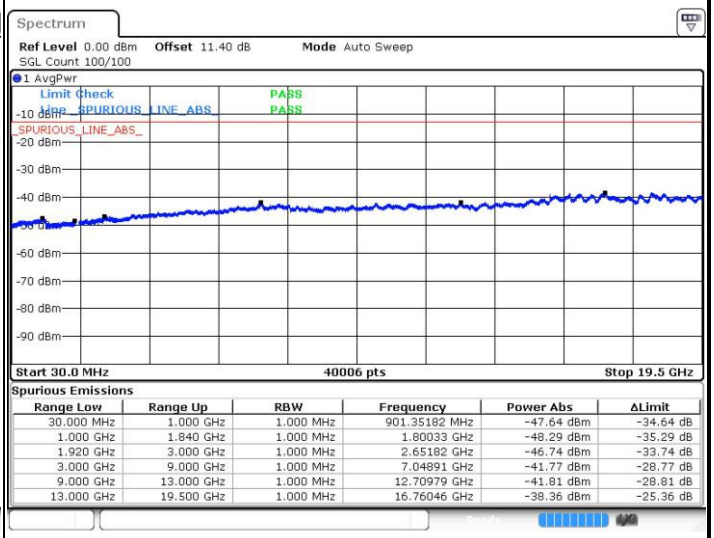


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	828.15342 MHz	-47.74 dBm	-34.74 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.68447 GHz	-48.51 dBm	-35.51 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.80117 GHz	-46.77 dBm	-33.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05991 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69479 GHz	-41.95 dBm	-28.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77396 GHz	-38.27 dBm	-25.27 dB

Date: 26.MAY.2016 07:15:01

Highest Channel / 16QAM



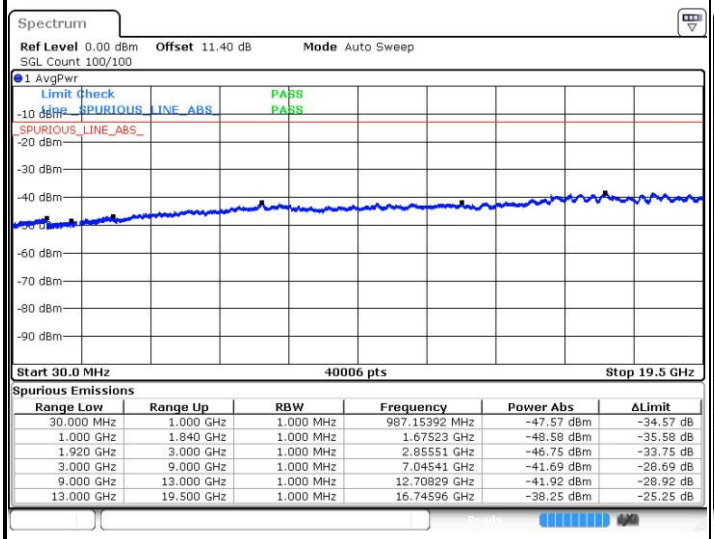
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-47.64 dBm	-34.64 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80033 GHz	-48.29 dBm	-35.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65182 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04891 GHz	-41.77 dBm	-28.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70979 GHz	-41.81 dBm	-28.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76046 GHz	-38.36 dBm	-25.36 dB

Date: 26.MAY.2016 07:15:56

LTE Band 2 / 5MHz

Lowest Channel / QPSK

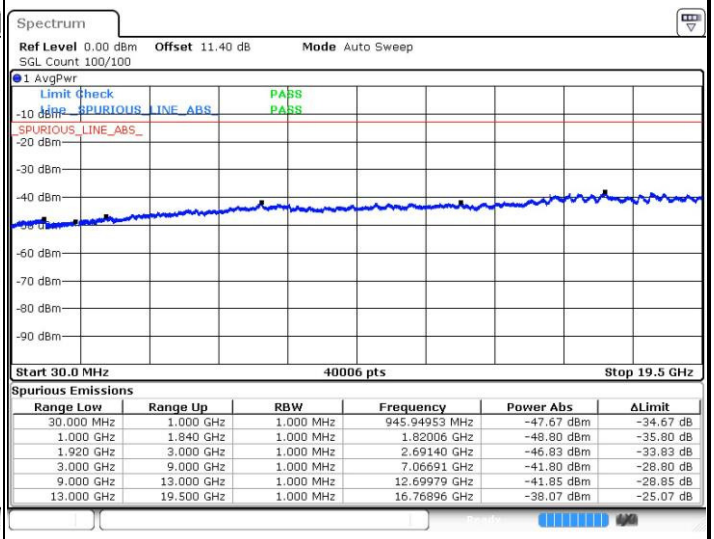


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-47.57 dBm	-34.57 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67523 GHz	-48.58 dBm	-35.58 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85551 GHz	-46.75 dBm	-33.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04541 GHz	-41.69 dBm	-28.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-41.92 dBm	-28.92 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.74596 GHz	-38.25 dBm	-25.25 dB

Date: 26.MAY.2016 07:22:10

Lowest Channel / 16QAM

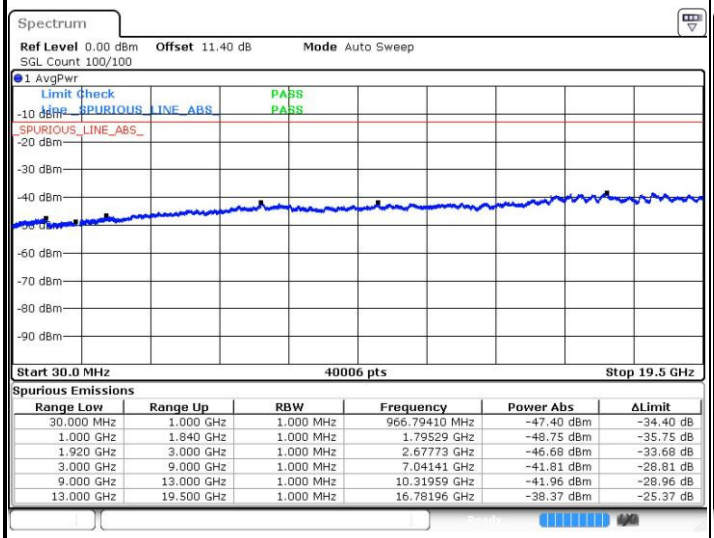


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-47.67 dBm	-34.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82006 GHz	-48.80 dBm	-35.80 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.69140 GHz	-46.83 dBm	-33.83 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06691 GHz	-41.80 dBm	-28.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69979 GHz	-41.85 dBm	-28.85 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76896 GHz	-38.07 dBm	-25.07 dB

Date: 26.MAY.2016 07:23:05

Middle Channel / QPSK

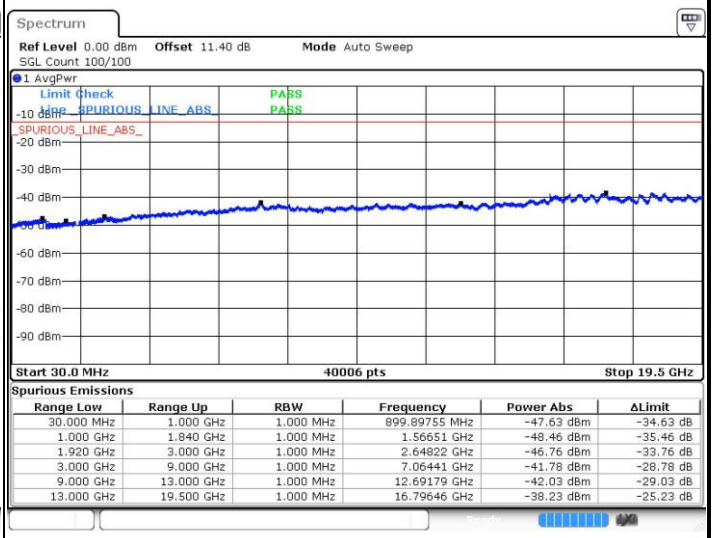


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-47.40 dBm	-34.40 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79529 GHz	-48.75 dBm	-35.75 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67773 GHz	-46.68 dBm	-33.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04141 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31959 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78196 GHz	-38.37 dBm	-25.37 dB

Date: 26.MAY.2016 07:24:42

Middle Channel / 16QAM



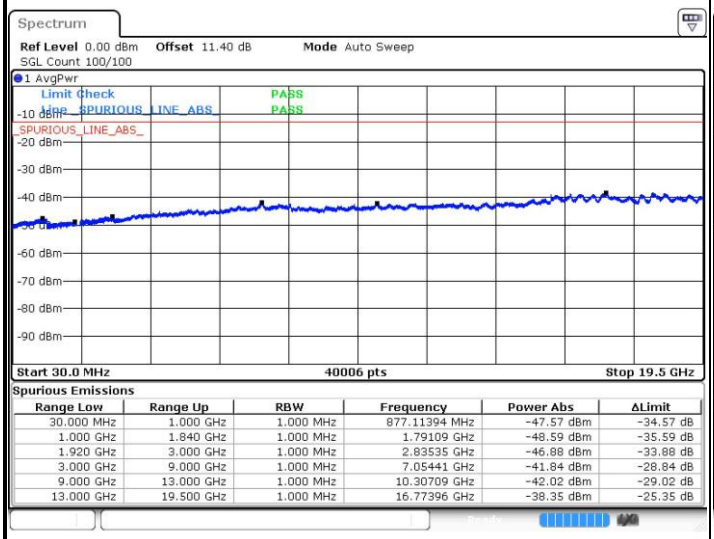
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-47.63 dBm	-34.63 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.56651 GHz	-48.46 dBm	-35.46 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64822 GHz	-46.76 dBm	-33.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06441 GHz	-41.78 dBm	-28.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69179 GHz	-42.03 dBm	-29.03 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.79646 GHz	-38.23 dBm	-25.23 dB

Date: 26.MAY.2016 07:25:37

LTE Band 2 / 5MHz

Highest Channel / QPSK

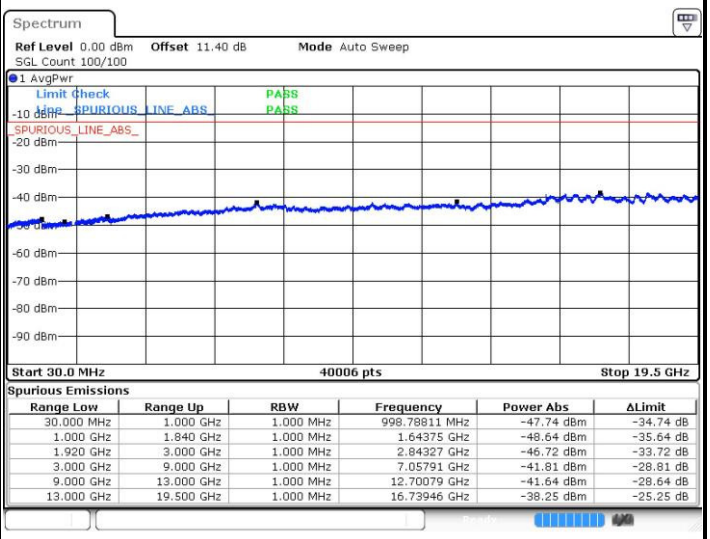


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.11394 MHz	-47.57 dBm	-34.57 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79109 GHz	-48.59 dBm	-35.59 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.83535 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05441 GHz	-41.84 dBm	-28.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30709 GHz	-42.02 dBm	-29.02 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77396 GHz	-38.35 dBm	-25.35 dB

Date: 26.MAY.2016 07:31:51

Highest Channel / 16QAM



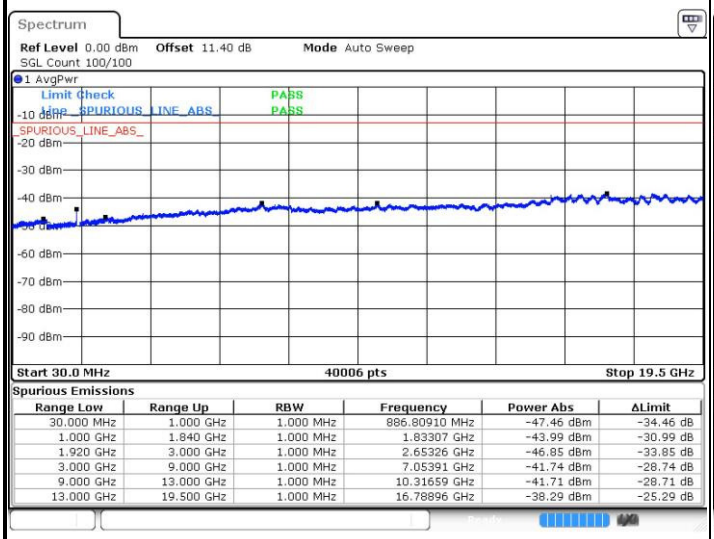
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-47.74 dBm	-34.74 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64375 GHz	-48.64 dBm	-35.64 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.84327 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05791 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70079 GHz	-41.64 dBm	-28.64 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.73946 GHz	-38.25 dBm	-25.25 dB

Date: 26.MAY.2016 07:32:46

LTE Band 2 / 10MHz

Lowest Channel / QPSK

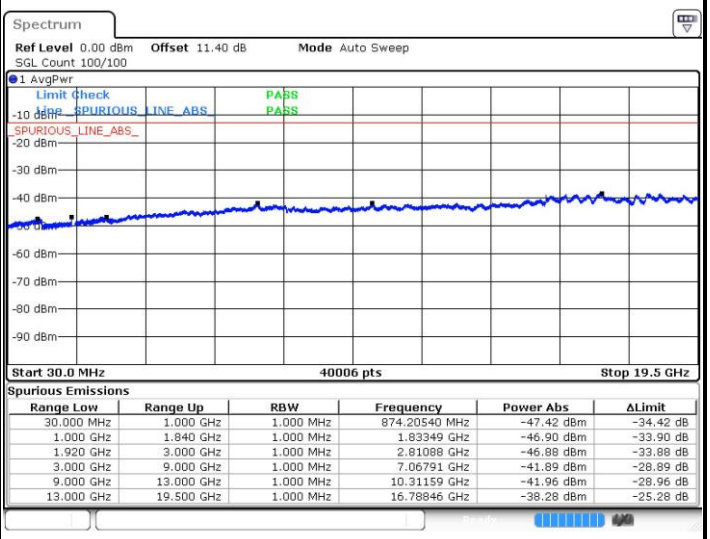


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-47.46 dBm	-34.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83307 GHz	-43.99 dBm	-30.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65326 GHz	-46.85 dBm	-33.85 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31659 GHz	-41.71 dBm	-28.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78896 GHz	-38.29 dBm	-25.29 dB

Date: 26.MAY.2016 07:39:01

Lowest Channel / 16QAM



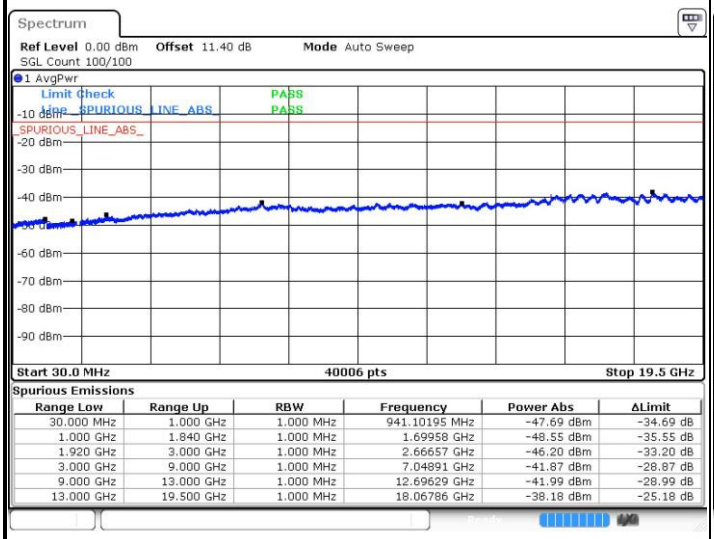
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	874.20540 MHz	-47.42 dBm	-34.42 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-46.90 dBm	-33.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81088 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06791 GHz	-41.89 dBm	-28.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31159 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78846 GHz	-38.28 dBm	-25.28 dB

Date: 26.MAY.2016 07:39:55

LTE Band 2 / 10MHz

Middle Channel / QPSK

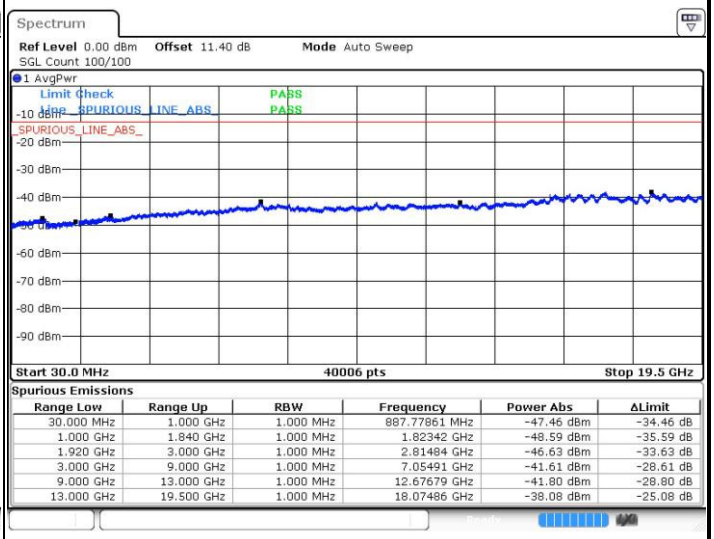


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-47.69 dBm	-34.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69958 GHz	-48.55 dBm	-35.55 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66657 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04891 GHz	-41.87 dBm	-28.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69629 GHz	-41.99 dBm	-28.99 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06786 GHz	-38.18 dBm	-25.18 dB

Date: 26.MAY.2016 07:41:32

Middle Channel / 16QAM

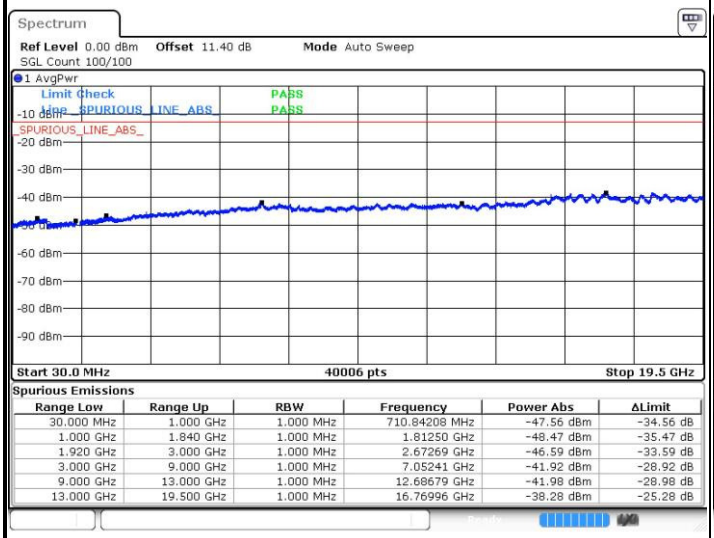


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.77861 MHz	-47.46 dBm	-34.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82342 GHz	-48.59 dBm	-35.59 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81484 GHz	-46.63 dBm	-33.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05491 GHz	-41.61 dBm	-28.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67679 GHz	-41.80 dBm	-28.80 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07486 GHz	-38.08 dBm	-25.08 dB

Date: 26.MAY.2016 07:42:27

Highest Channel / QPSK

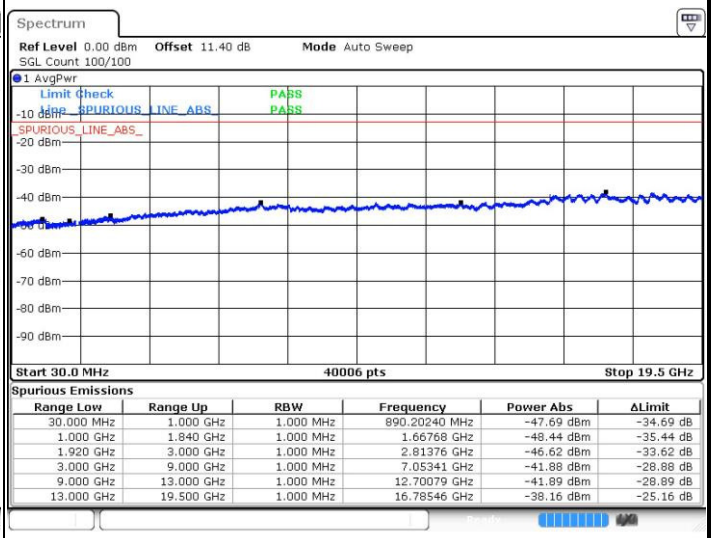


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	710.84208 MHz	-47.56 dBm	-34.56 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81250 GHz	-48.47 dBm	-35.47 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67269 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05241 GHz	-41.92 dBm	-28.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68679 GHz	-41.98 dBm	-28.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76996 GHz	-38.28 dBm	-25.28 dB

Date: 26.MAY.2016 07:48:41

Highest Channel / 16QAM



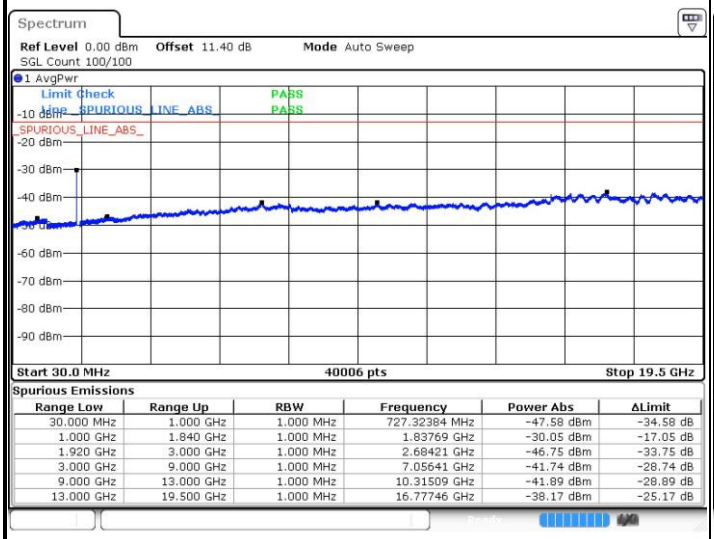
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-47.69 dBm	-34.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66768 GHz	-48.44 dBm	-35.44 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81376 GHz	-46.62 dBm	-33.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05341 GHz	-41.88 dBm	-28.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70079 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78546 GHz	-38.16 dBm	-25.16 dB

Date: 26.MAY.2016 07:49:36

LTE Band 2 / 15MHz

Lowest Channel / QPSK

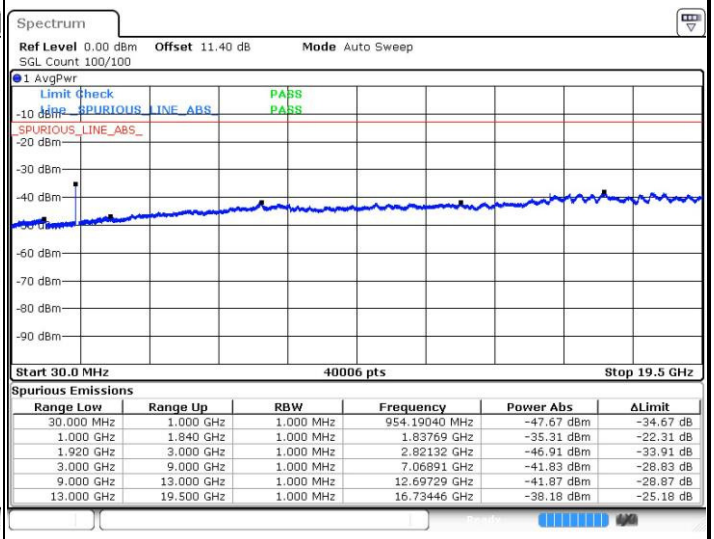


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	727.32384 MHz	-47.58 dBm	-34.58 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-30.05 dBm	-17.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68421 GHz	-46.75 dBm	-33.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05641 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31509 GHz	-41.89 dBm	-28.89 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77746 GHz	-38.17 dBm	-25.17 dB

Date: 26.MAY.2016 07:55:50

Lowest Channel / 16QAM

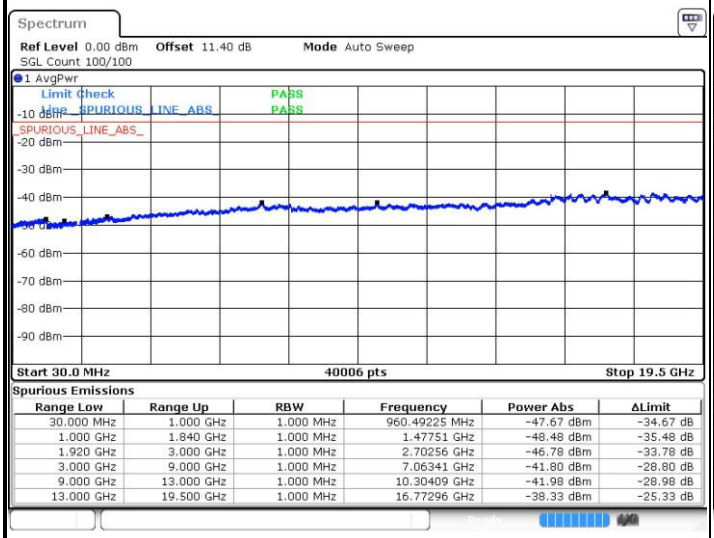


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-47.67 dBm	-34.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-35.31 dBm	-22.31 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.82132 GHz	-46.91 dBm	-33.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06891 GHz	-41.83 dBm	-28.83 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69729 GHz	-41.87 dBm	-28.87 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.73446 GHz	-38.18 dBm	-25.18 dB

Date: 26.MAY.2016 07:56:45

Middle Channel / QPSK

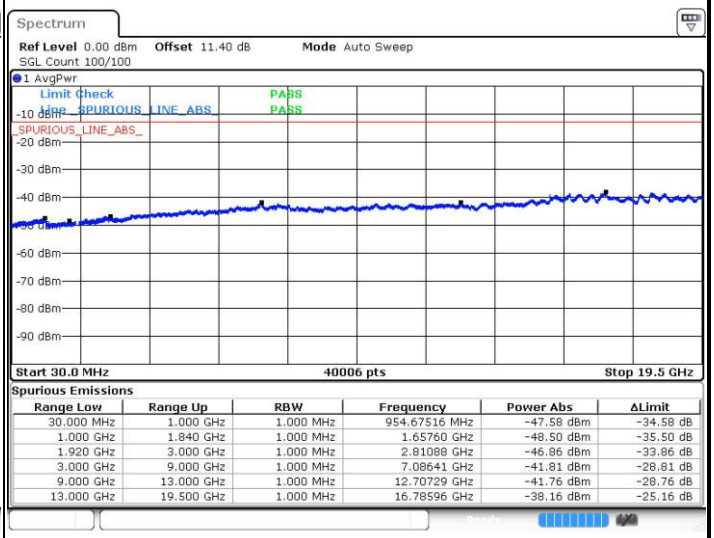


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.49225 MHz	-47.67 dBm	-34.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.47751 GHz	-48.48 dBm	-35.48 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.70256 GHz	-46.78 dBm	-33.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06341 GHz	-41.80 dBm	-28.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30409 GHz	-41.98 dBm	-28.98 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77296 GHz	-38.33 dBm	-25.33 dB

Date: 26.MAY.2016 07:58:22

Middle Channel / 16QAM



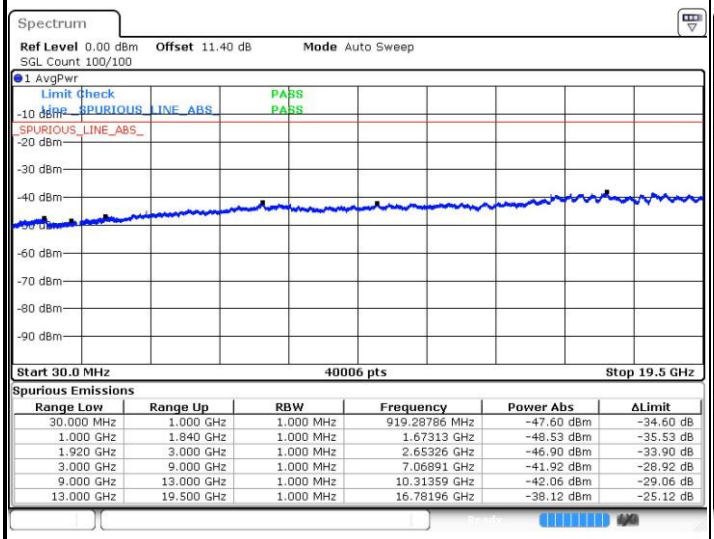
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.67516 MHz	-47.58 dBm	-34.58 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65760 GHz	-48.50 dBm	-35.50 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81088 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.08641 GHz	-41.81 dBm	-28.81 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70729 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78596 GHz	-38.16 dBm	-25.16 dB

Date: 26.MAY.2016 07:59:17

LTE Band 2 / 15MHz

Highest Channel / QPSK

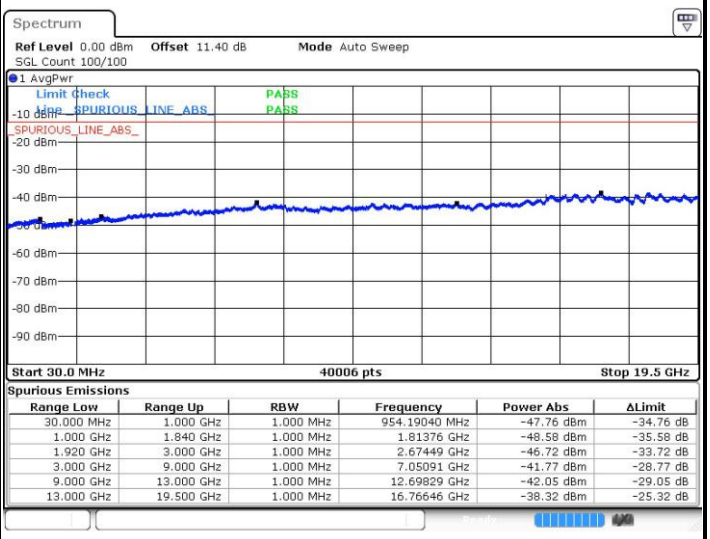


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-47.60 dBm	-34.60 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.67313 GHz	-48.53 dBm	-35.53 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65326 GHz	-46.90 dBm	-33.90 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06891 GHz	-41.92 dBm	-28.92 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31359 GHz	-42.06 dBm	-29.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78196 GHz	-38.12 dBm	-25.12 dB

Date: 26.MAY.2016 08:05:31

Highest Channel / 16QAM



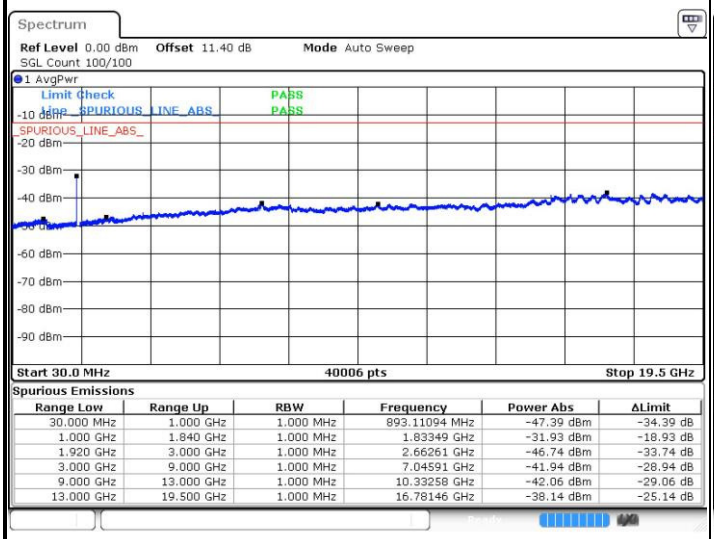
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-47.76 dBm	-34.76 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81376 GHz	-48.58 dBm	-35.58 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67449 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05091 GHz	-41.77 dBm	-28.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69829 GHz	-42.05 dBm	-29.05 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.76646 GHz	-38.32 dBm	-25.32 dB

Date: 26.MAY.2016 08:06:26

LTE Band 2 / 20MHz

Lowest Channel / QPSK

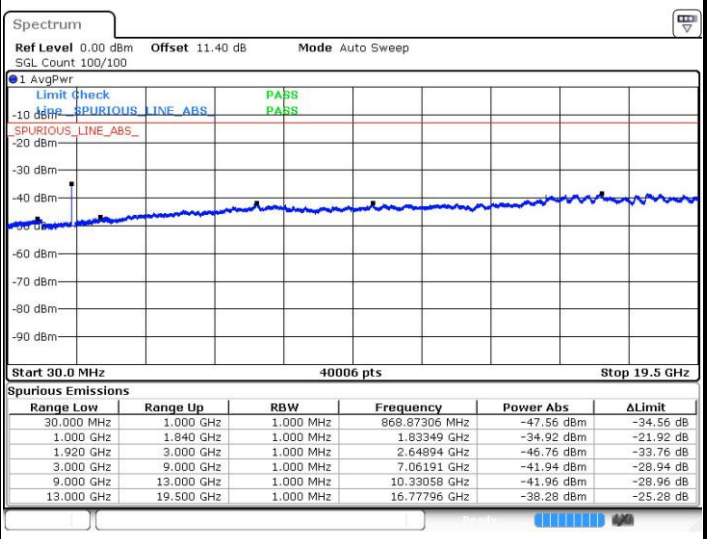


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-47.39 dBm	-34.39 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-31.93 dBm	-18.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66261 GHz	-46.74 dBm	-33.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04591 GHz	-41.94 dBm	-28.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33258 GHz	-42.06 dBm	-29.06 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78146 GHz	-38.14 dBm	-25.14 dB

Date: 26.MAY.2016 08:12:40

Lowest Channel / 16QAM



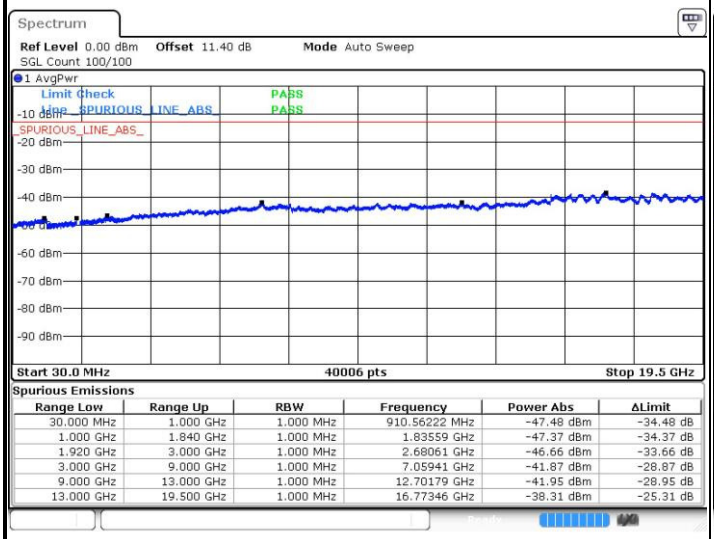
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.87306 MHz	-47.56 dBm	-34.56 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-34.92 dBm	-21.92 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64894 GHz	-46.76 dBm	-33.76 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06191 GHz	-41.94 dBm	-28.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33058 GHz	-41.96 dBm	-28.96 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77796 GHz	-38.28 dBm	-25.28 dB

Date: 26.MAY.2016 08:13:35

LTE Band 2 / 20MHz

Middle Channel / QPSK

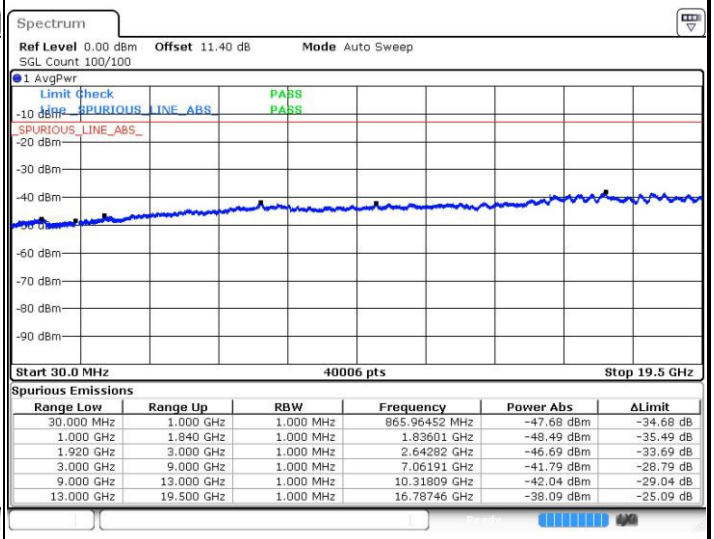


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	910.56222 MHz	-47.48 dBm	-34.48 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-47.37 dBm	-34.37 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.68061 GHz	-46.66 dBm	-33.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05941 GHz	-41.87 dBm	-28.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70179 GHz	-41.95 dBm	-28.95 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.77346 GHz	-38.31 dBm	-25.31 dB

Date: 26.MAY.2016 08:15:12

Middle Channel / 16QAM

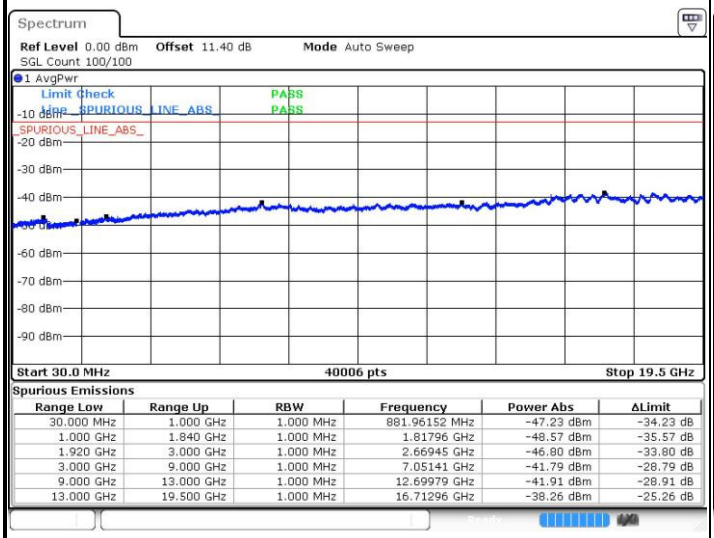


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	865.96452 MHz	-47.68 dBm	-34.68 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83601 GHz	-48.49 dBm	-35.49 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.64282 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06191 GHz	-41.79 dBm	-28.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31809 GHz	-42.04 dBm	-29.04 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78746 GHz	-38.09 dBm	-25.09 dB

Date: 26.MAY.2016 08:16:07

Highest Channel / QPSK

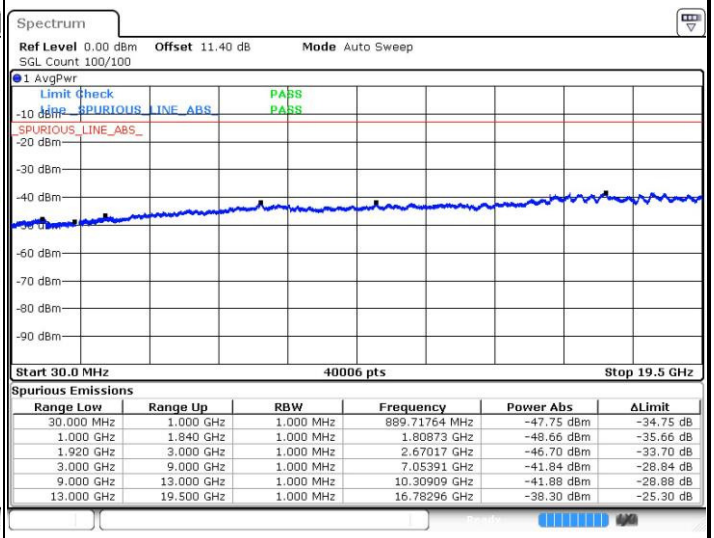


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-47.23 dBm	-34.23 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81796 GHz	-48.57 dBm	-35.57 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66945 GHz	-46.80 dBm	-33.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05141 GHz	-41.79 dBm	-28.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69979 GHz	-41.91 dBm	-28.91 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.71296 GHz	-38.26 dBm	-25.26 dB

Date: 26.MAY.2016 08:22:21

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.71764 MHz	-47.75 dBm	-34.75 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80873 GHz	-48.66 dBm	-35.66 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67017 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-41.84 dBm	-28.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30909 GHz	-41.88 dBm	-28.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.78296 GHz	-38.30 dBm	-25.30 dB

Date: 26.MAY.2016 08:23:16

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0072	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0081	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0081	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.9 V. ；Battery End Point (BEP) = 3.4 V.；Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

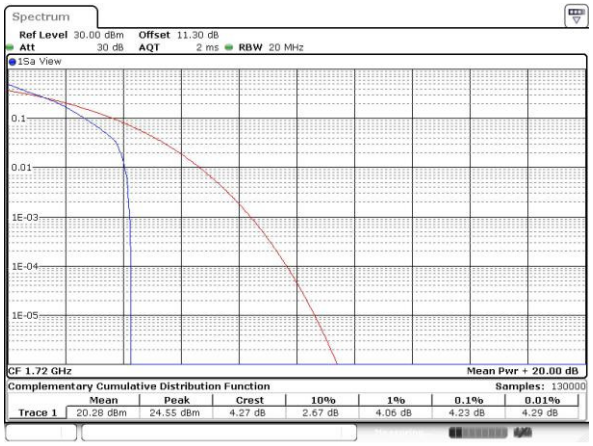
LTE Band 4

Peak-to-Average Ratio

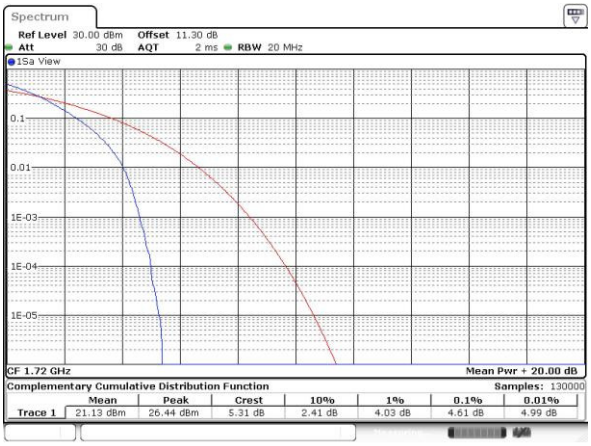
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	4.61	5.07	5.65	PASS
Middle CH	4.06	4.64	5.04	5.62	
Highest CH	4.00	4.55	5.07	5.65	

LTE Band 4 / 20MHz / QPSK

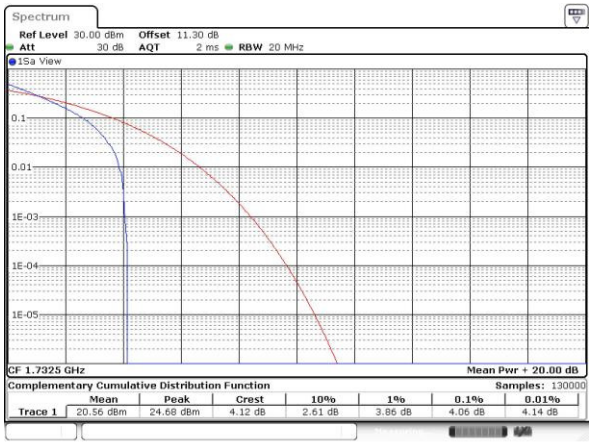
Lowest Channel / 1RB



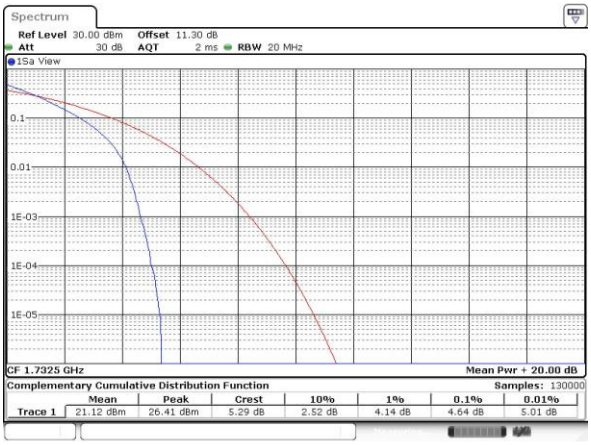
Lowest Channel / Full RB



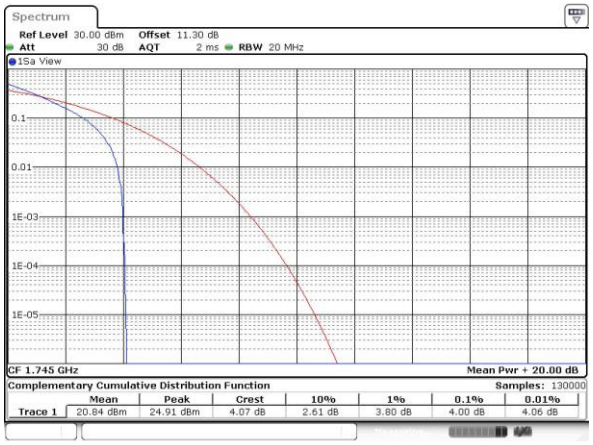
Middle Channel / 1RB



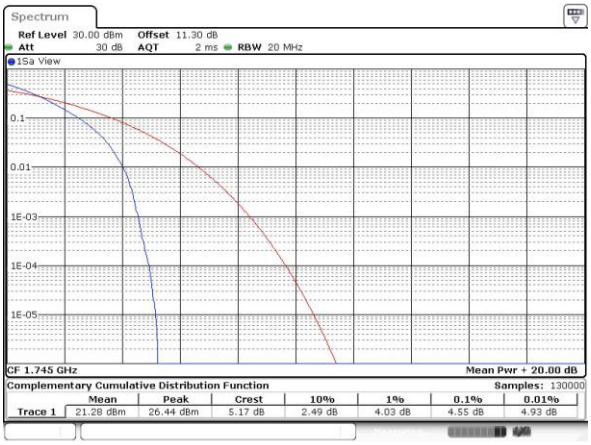
Middle Channel / Full RB



Highest Channel / 1RB

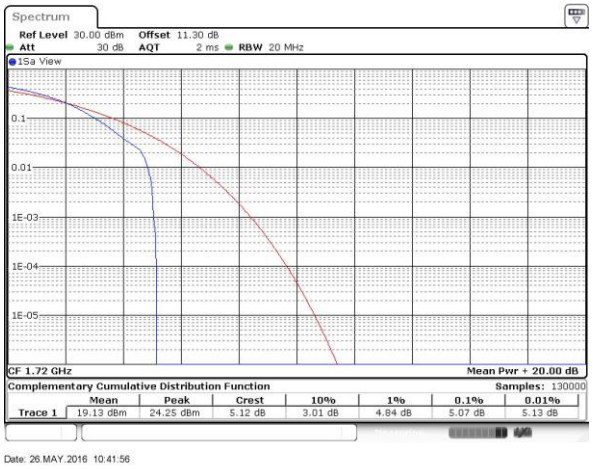


Highest Channel / Full RB

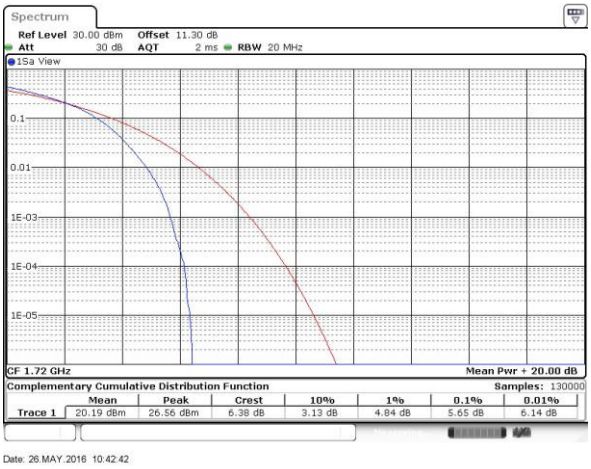


LTE Band 4 / 20MHz / 16QAM

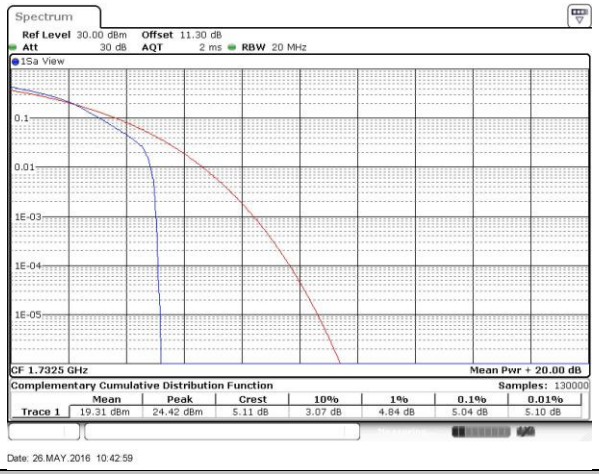
Lowest Channel / 1RB



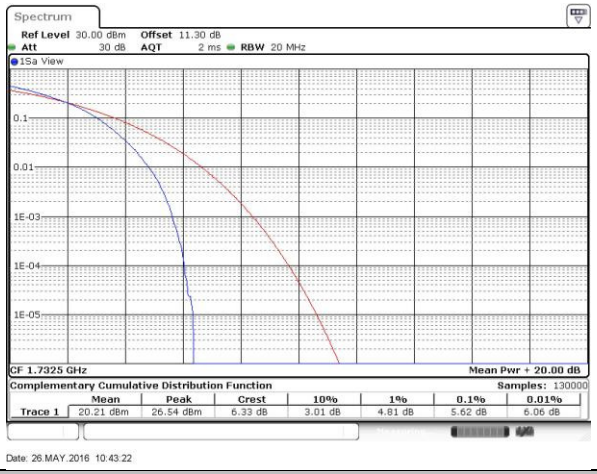
Lowest Channel / Full RB



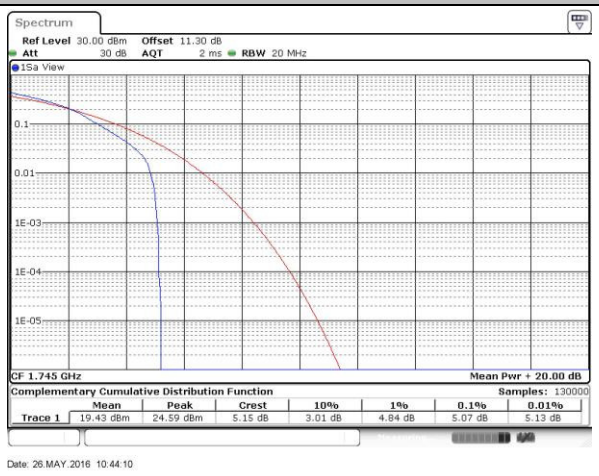
Middle Channel / 1RB



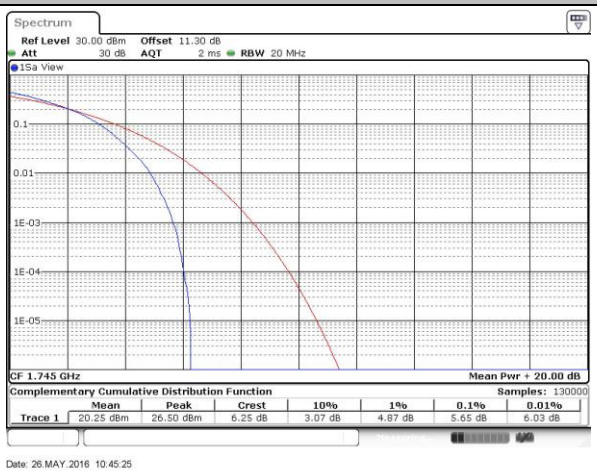
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

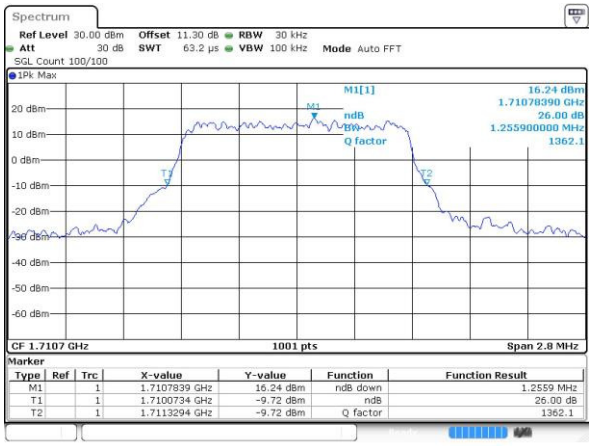


26dB Bandwidth

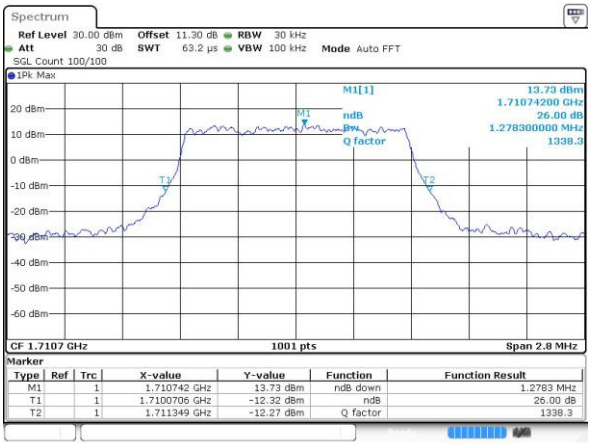
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.28	3.04	3.01	4.91	4.91	9.77	9.83	14.60	14.33	20.14	20.02
Middle CH	1.31	1.28	3.03	3.00	4.93	4.93	9.75	9.87	14.54	14.24	20.18	20.06
Highest CH	1.27	1.26	2.99	3.02	4.94	4.99	9.67	9.75	14.21	14.33	20.14	20.18

LTE Band 4

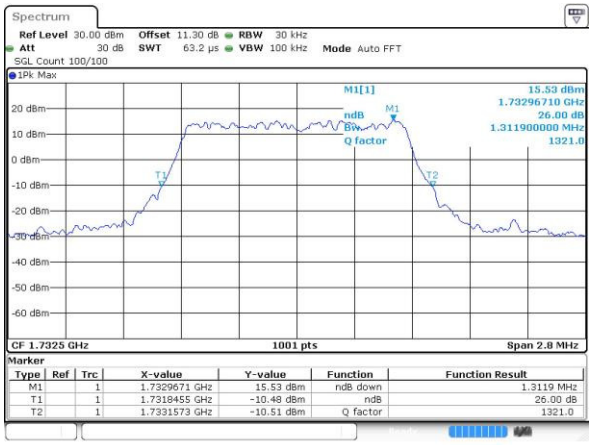
Lowest Channel / 1.4MHz / QPSK



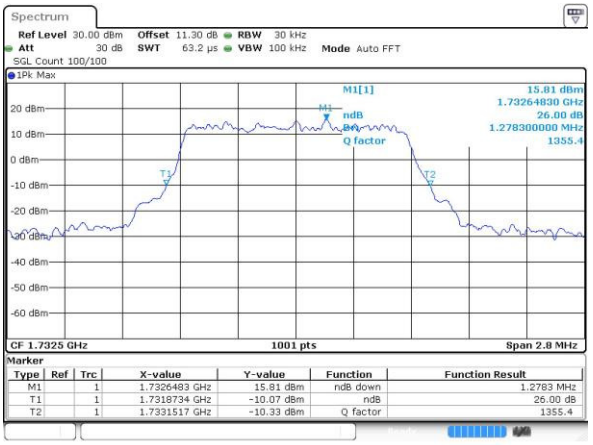
Lowest Channel / 1.4MHz / 16QAM



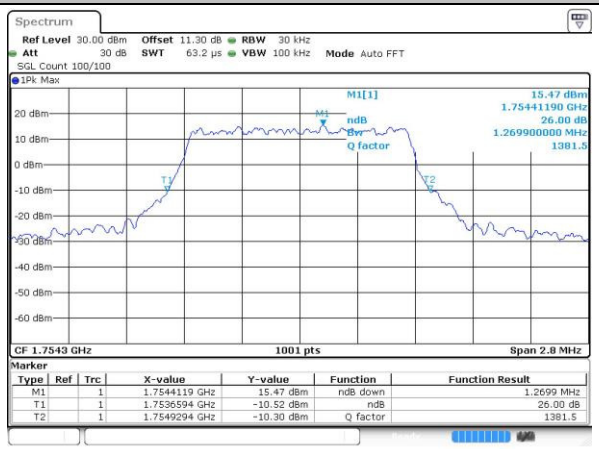
Middle Channel / 1.4MHz / QPSK



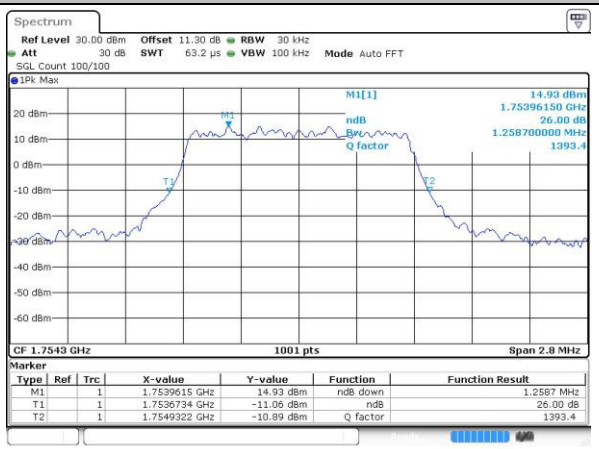
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

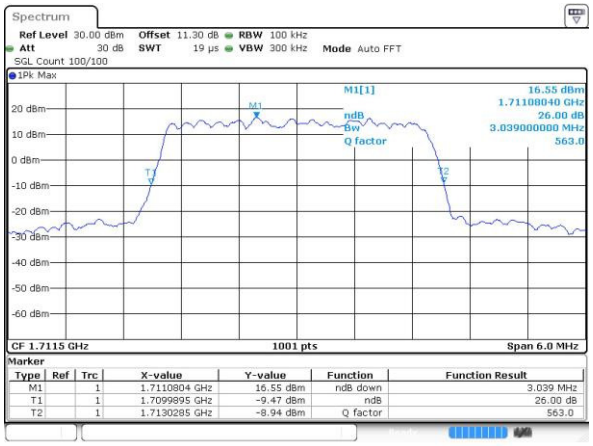


Highest Channel / 1.4MHz / 16QAM

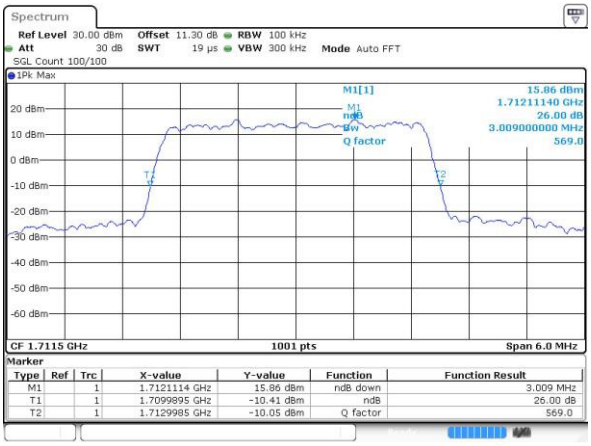


LTE Band 4

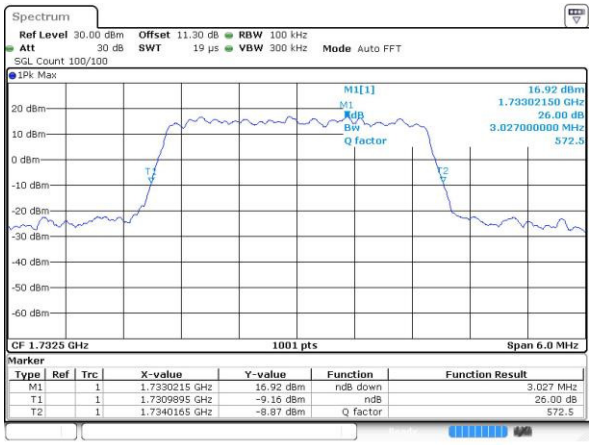
Lowest Channel / 3MHz / QPSK



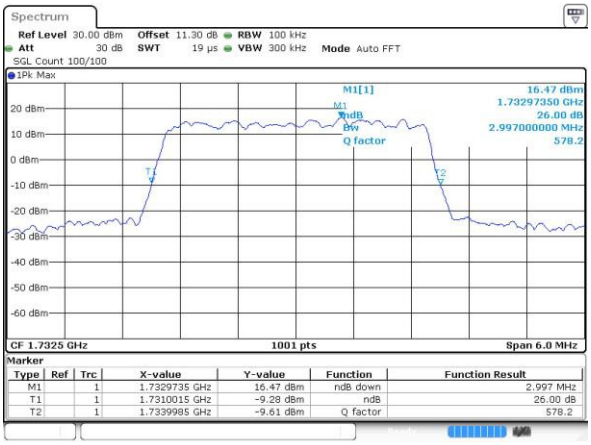
Lowest Channel / 3MHz / 16QAM



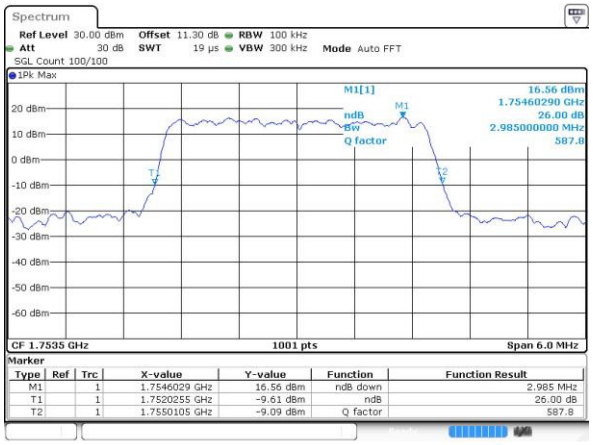
Middle Channel / 3MHz / QPSK



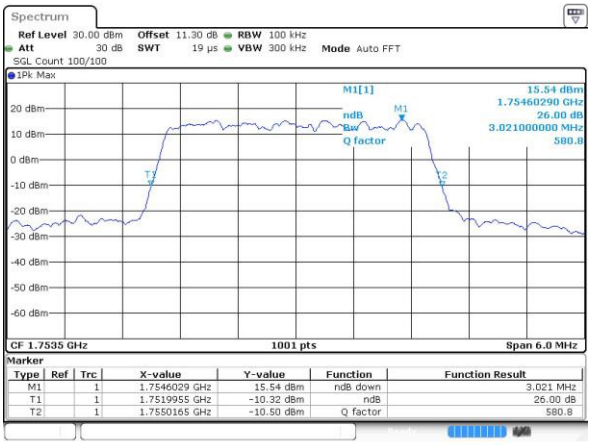
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

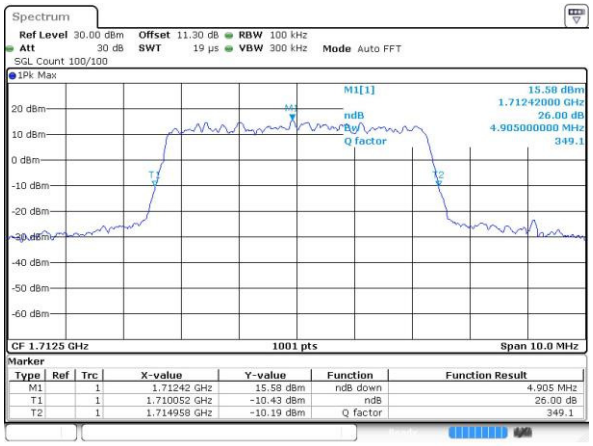


Highest Channel /3MHz / 16QAM

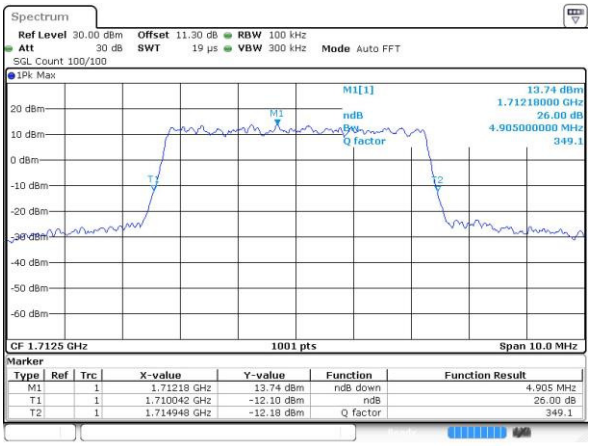


LTE Band 4

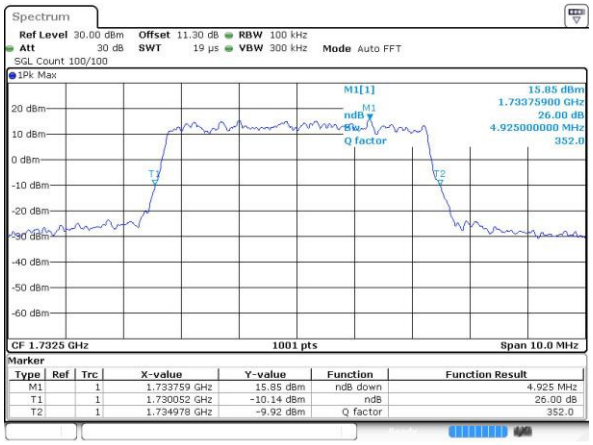
Lowest Channel / 5MHz / QPSK



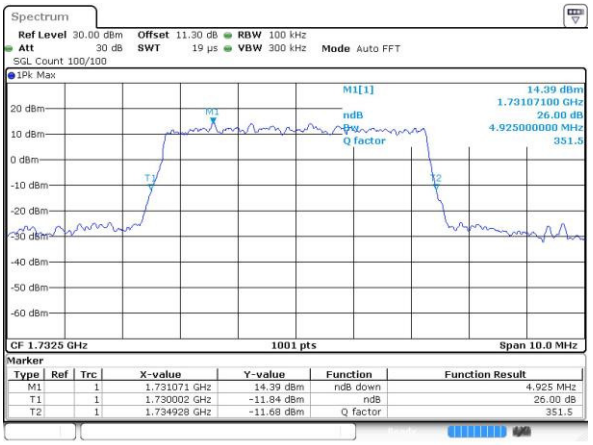
Lowest Channel / 5MHz / 16QAM



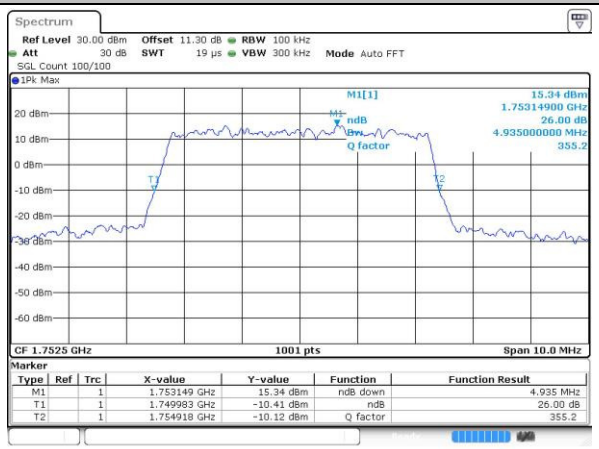
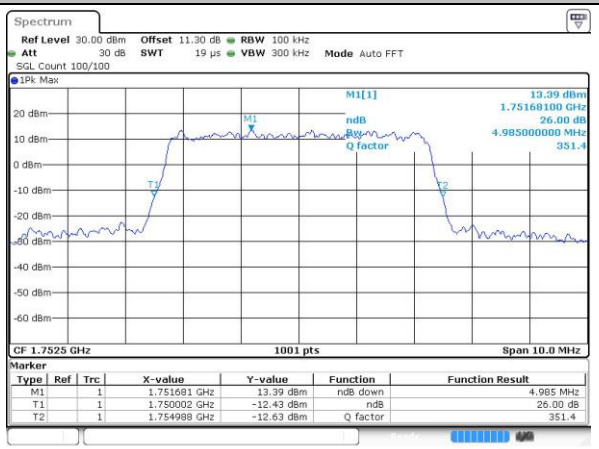
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM