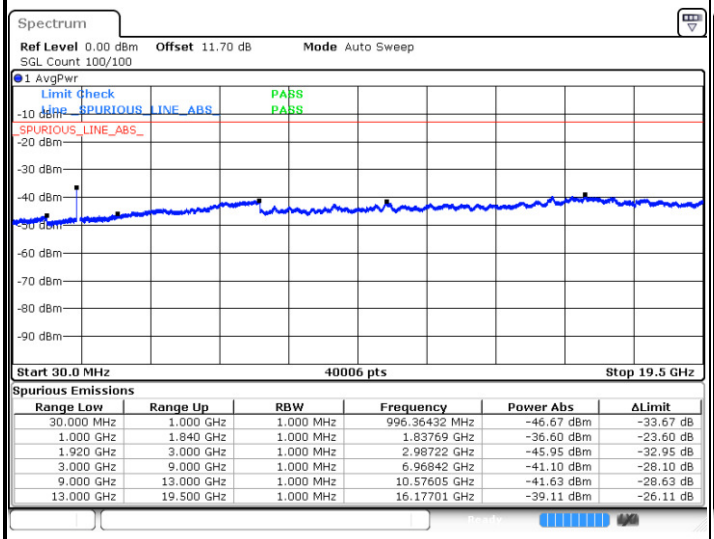
LTE Band 2 / 15MHz

Lowest Channel / QPSK

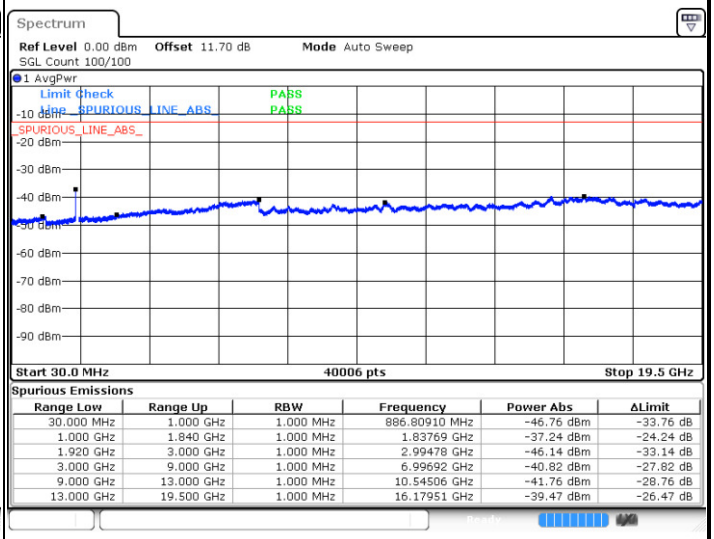


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	996.36432 MHz	-46.67 dBm	-33.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-36.60 dBm	-23.60 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98722 GHz	-45.95 dBm	-32.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96842 GHz	-41.10 dBm	-28.10 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57605 GHz	-41.63 dBm	-28.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17701 GHz	-39.11 dBm	-26.11 dB

Date: 17.FEB.2018 01:11:45

Lowest Channel / 16QAM

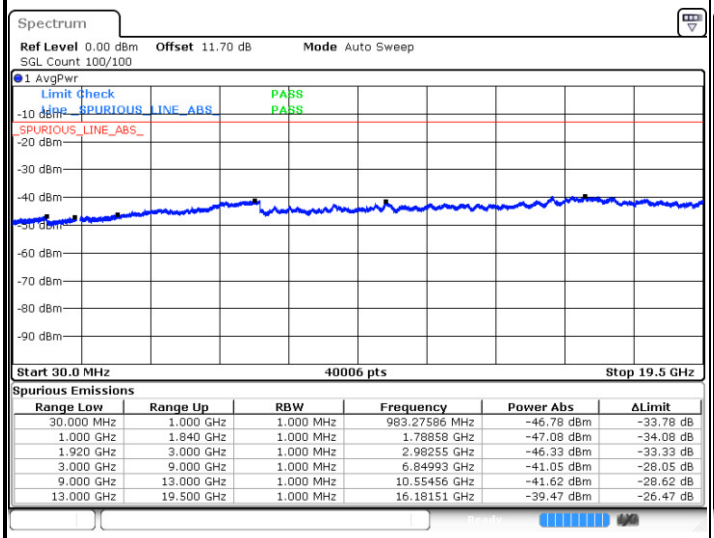


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-46.76 dBm	-33.76 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-37.24 dBm	-24.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99478 GHz	-46.14 dBm	-33.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99692 GHz	-40.82 dBm	-27.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54506 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17951 GHz	-39.47 dBm	-26.47 dB

Date: 17.FEB.2018 01:12:39

Middle Channel / QPSK

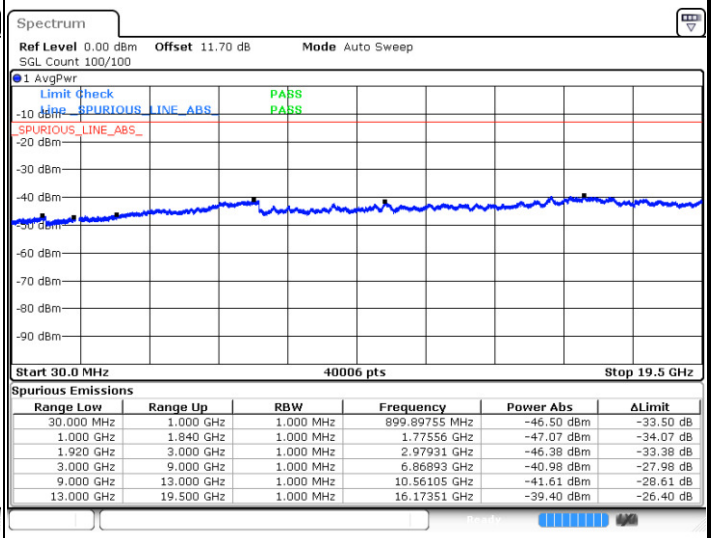


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	983.27586 MHz	-46.78 dBm	-33.78 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78858 GHz	-47.08 dBm	-34.08 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98255 GHz	-46.33 dBm	-33.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84993 GHz	-41.05 dBm	-28.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55456 GHz	-41.62 dBm	-28.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.18151 GHz	-39.47 dBm	-26.47 dB

Date: 17.FEB.2018 01:14:12

Middle Channel / 16QAM



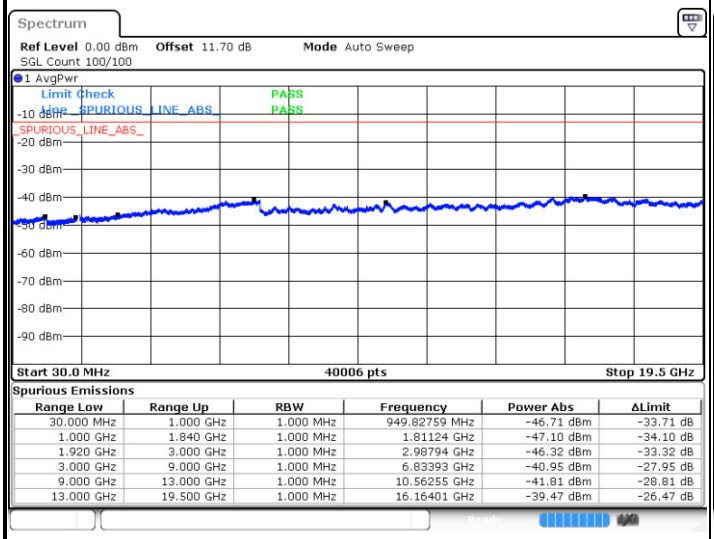
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-46.50 dBm	-33.50 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77556 GHz	-47.07 dBm	-34.07 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97931 GHz	-46.38 dBm	-33.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86893 GHz	-40.98 dBm	-27.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56105 GHz	-41.61 dBm	-28.61 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17351 GHz	-39.40 dBm	-26.40 dB

Date: 17.FEB.2018 01:15:06

LTE Band 2 / 15MHz

Highest Channel / QPSK

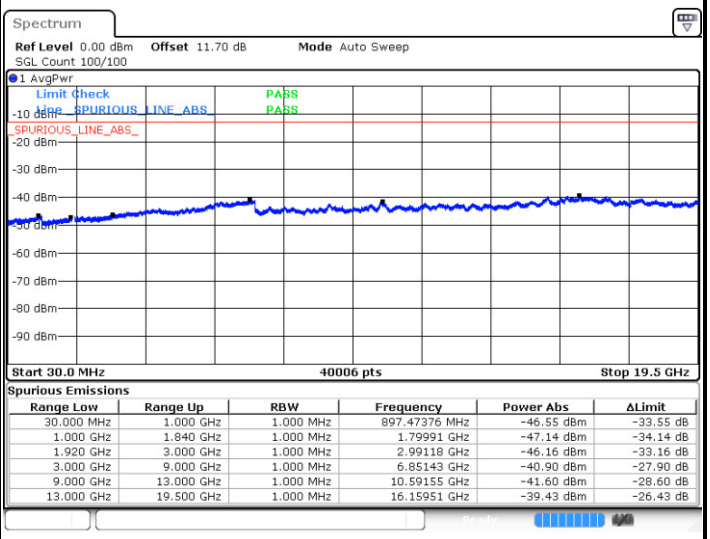


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.82759 MHz	-46.71 dBm	-33.71 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81124 GHz	-47.10 dBm	-34.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98794 GHz	-46.32 dBm	-33.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.83393 GHz	-40.95 dBm	-27.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56255 GHz	-41.81 dBm	-28.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.16401 GHz	-39.47 dBm	-26.47 dB

Date: 17.FEB.2018 01:21:08

Highest Channel / 16QAM



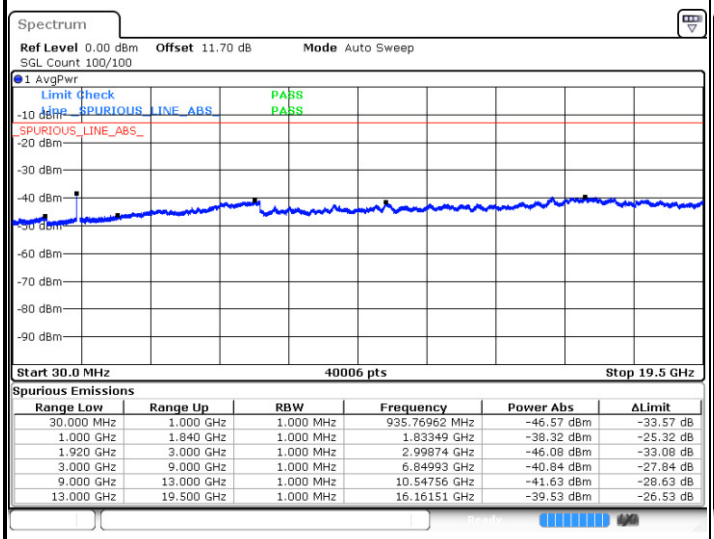
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.47376 MHz	-46.55 dBm	-33.55 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79991 GHz	-47.14 dBm	-34.14 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99118 GHz	-46.16 dBm	-33.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85143 GHz	-40.90 dBm	-27.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59155 GHz	-41.60 dBm	-28.60 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.15951 GHz	-39.43 dBm	-26.43 dB

Date: 17.FEB.2018 01:22:02

LTE Band 2 / 20MHz

Lowest Channel / QPSK

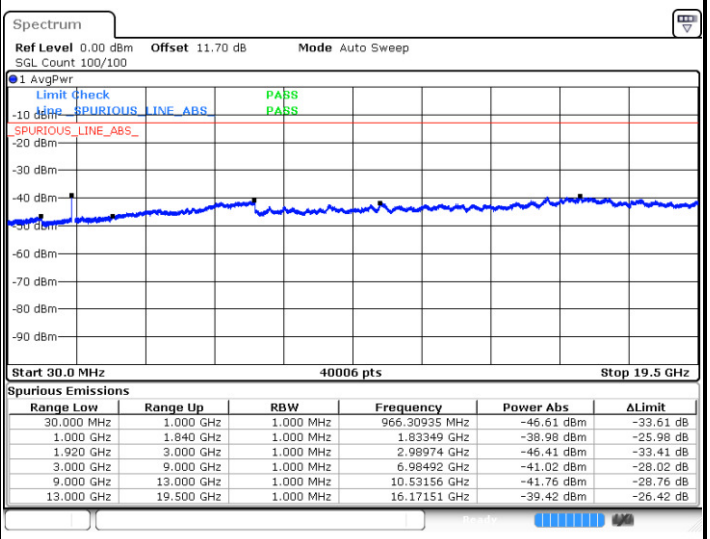


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-46.57 dBm	-33.57 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-38.32 dBm	-25.32 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99874 GHz	-46.08 dBm	-33.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84993 GHz	-40.84 dBm	-27.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54756 GHz	-41.63 dBm	-28.63 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.16151 GHz	-39.53 dBm	-26.53 dB

Date: 17.FEB.2018 01:28:04

Lowest Channel / 16QAM



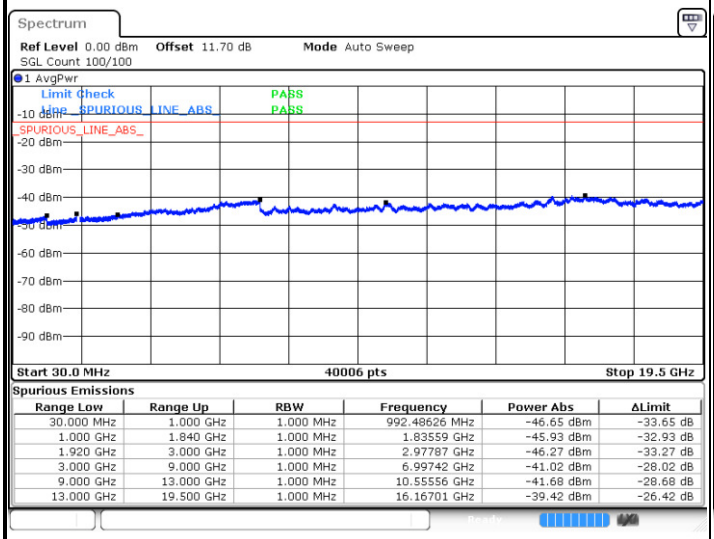
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.30935 MHz	-46.61 dBm	-33.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-38.98 dBm	-25.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98974 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98492 GHz	-41.02 dBm	-28.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.53156 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17151 GHz	-39.42 dBm	-26.42 dB

Date: 17.FEB.2018 01:28:58

LTE Band 2 / 20MHz

Middle Channel / QPSK

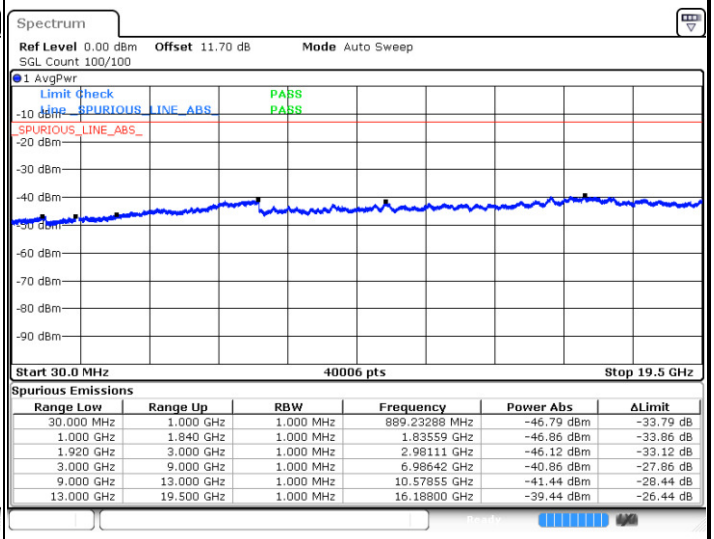


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-46.65 dBm	-33.65 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-45.93 dBm	-32.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97787 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-41.02 dBm	-28.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55556 GHz	-41.68 dBm	-28.68 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.16701 GHz	-39.42 dBm	-26.42 dB

Date: 17.FEB.2018 01:30:31

Middle Channel / 16QAM

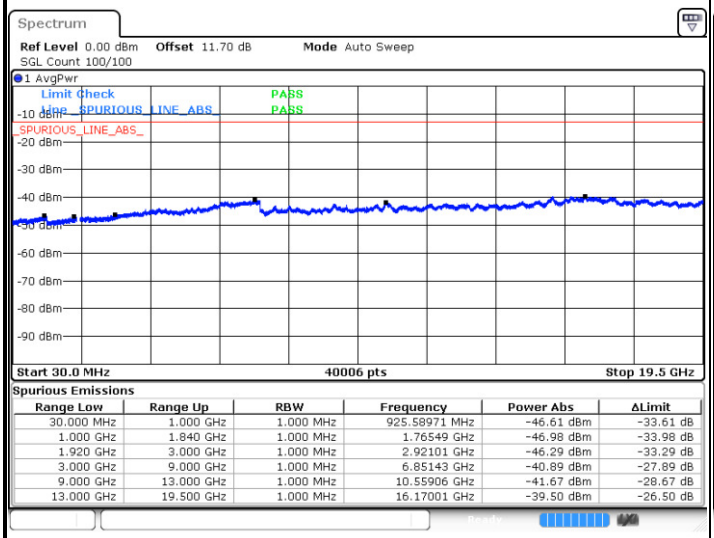


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	889.23288 MHz	-46.79 dBm	-33.79 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-46.86 dBm	-33.86 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98111 GHz	-46.12 dBm	-33.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98642 GHz	-40.86 dBm	-27.86 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57855 GHz	-41.44 dBm	-28.44 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.18800 GHz	-39.44 dBm	-26.44 dB

Date: 17.FEB.2018 01:31:25

Highest Channel / QPSK

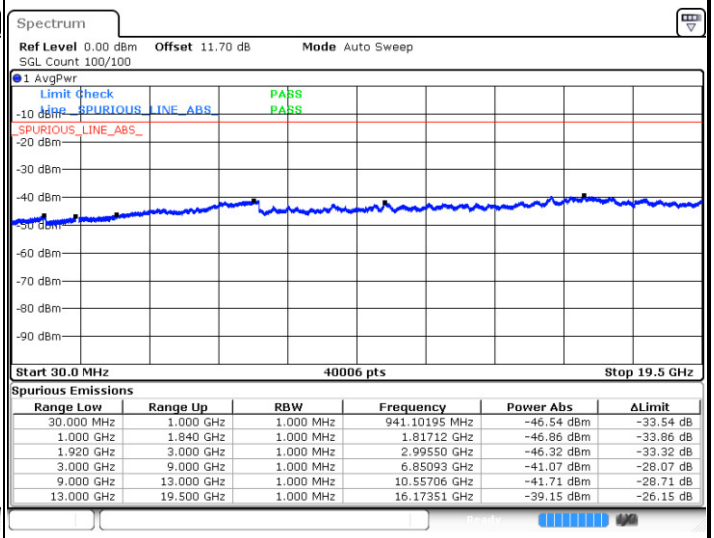


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.58971 MHz	-46.61 dBm	-33.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76549 GHz	-46.98 dBm	-33.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.92101 GHz	-46.29 dBm	-33.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85143 GHz	-40.89 dBm	-27.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55906 GHz	-41.67 dBm	-28.67 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17001 GHz	-39.50 dBm	-26.50 dB

Date: 17.FEB.2018 01:37:27

Highest Channel / 16QAM



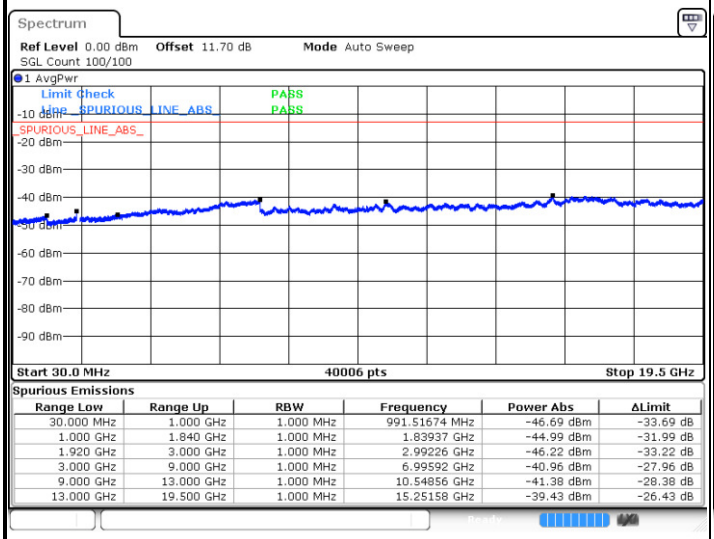
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	941.10195 MHz	-46.54 dBm	-33.54 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81712 GHz	-46.86 dBm	-33.86 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99550 GHz	-46.32 dBm	-33.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85093 GHz	-41.07 dBm	-28.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55706 GHz	-41.71 dBm	-28.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17351 GHz	-39.15 dBm	-26.15 dB

Date: 17.FEB.2018 01:38:21

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

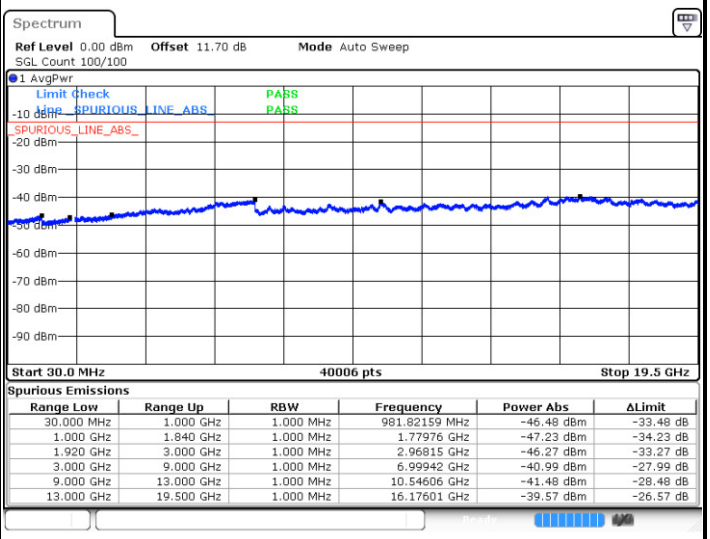


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.51674 MHz	-46.69 dBm	-33.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-44.99 dBm	-31.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99226 GHz	-46.22 dBm	-33.22 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99592 GHz	-40.96 dBm	-27.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54856 GHz	-41.38 dBm	-28.38 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.25158 GHz	-39.43 dBm	-26.43 dB

Date: 17.FEB.2018 02:22:37

Middle Channel / 64QAM

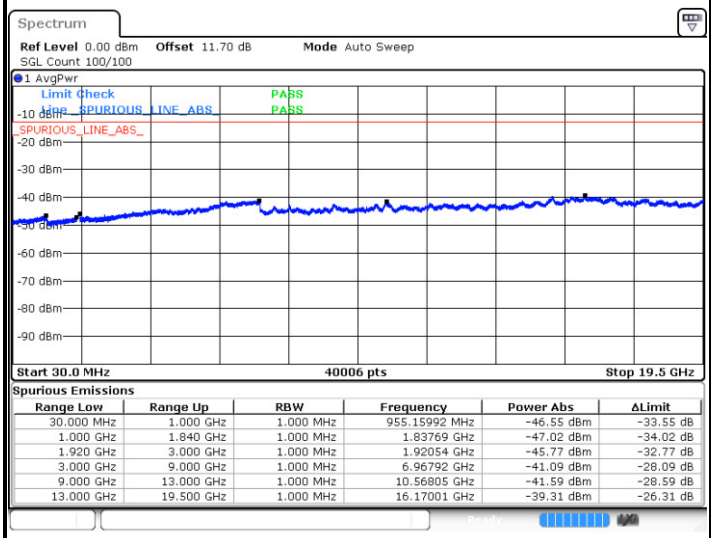


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-46.48 dBm	-33.48 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.77976 GHz	-47.23 dBm	-34.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96815 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-40.99 dBm	-27.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54606 GHz	-41.48 dBm	-28.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17601 GHz	-39.57 dBm	-26.57 dB

Date: 17.FEB.2018 02:23:50

Highest Channel / 64QAM



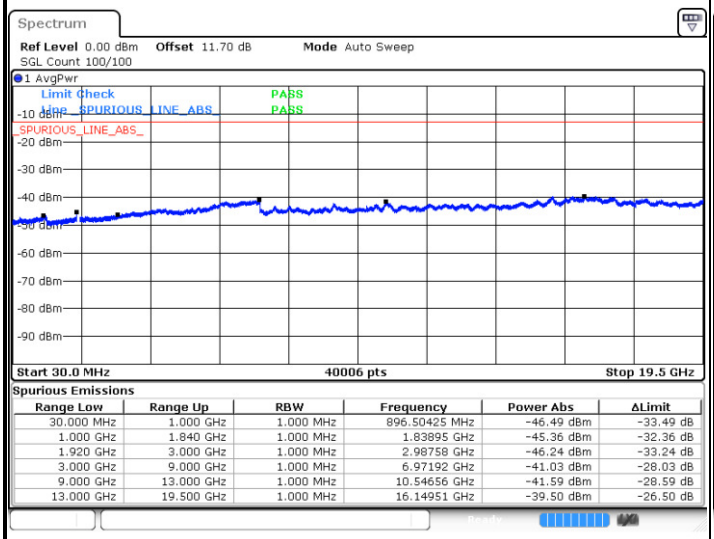
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-46.55 dBm	-33.55 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-47.02 dBm	-34.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92054 GHz	-45.77 dBm	-32.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96792 GHz	-41.09 dBm	-28.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56805 GHz	-41.59 dBm	-28.59 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17001 GHz	-39.31 dBm	-26.31 dB

Date: 17.FEB.2018 02:27:18

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

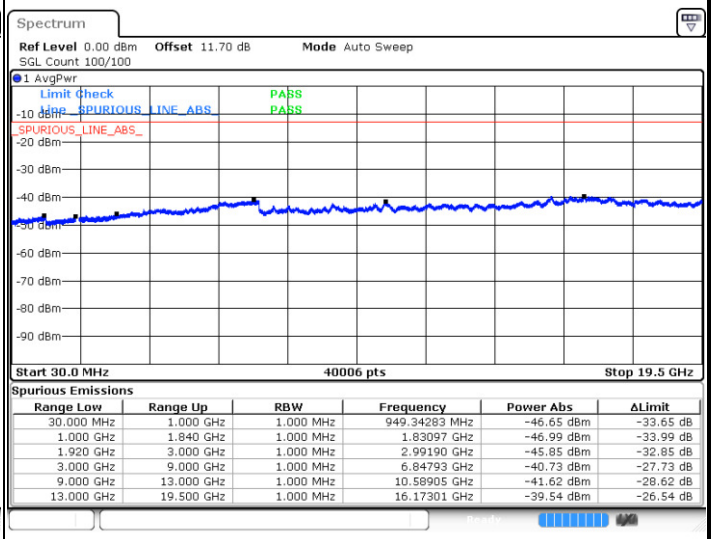


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.50425 MHz	-46.49 dBm	-33.49 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83895 GHz	-45.36 dBm	-32.36 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98758 GHz	-46.24 dBm	-33.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.97192 GHz	-41.03 dBm	-28.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54656 GHz	-41.59 dBm	-28.59 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.14951 GHz	-39.50 dBm	-26.50 dB

Date: 17.FEB.2018 01:41:49

Middle Channel / 64QAM

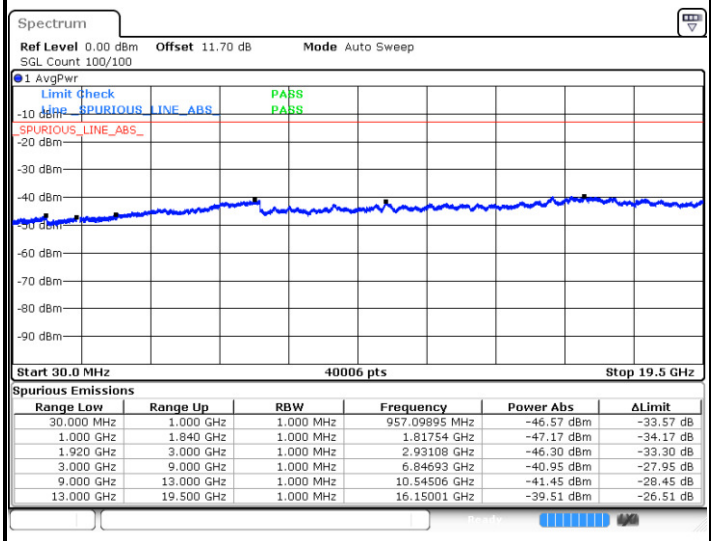


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-46.65 dBm	-33.65 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83097 GHz	-46.99 dBm	-33.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99190 GHz	-45.85 dBm	-32.85 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84793 GHz	-40.73 dBm	-27.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58905 GHz	-41.62 dBm	-28.62 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17301 GHz	-39.54 dBm	-26.54 dB

Date: 17.FEB.2018 01:43:03

Highest Channel / 64QAM



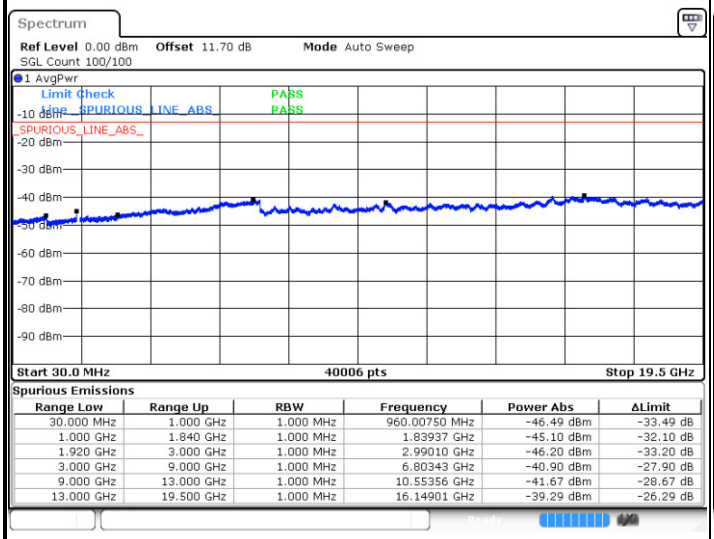
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-46.57 dBm	-33.57 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81754 GHz	-47.17 dBm	-34.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93108 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84693 GHz	-40.95 dBm	-27.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54506 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.15001 GHz	-39.51 dBm	-26.51 dB

Date: 17.FEB.2018 01:46:31

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

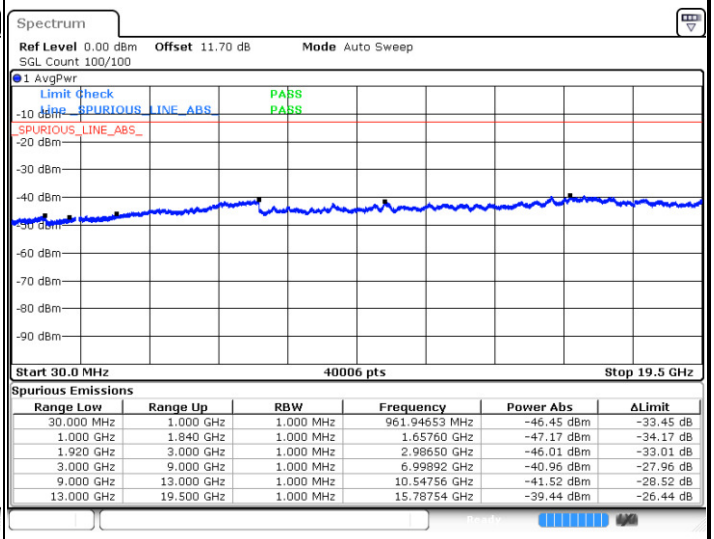


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.00750 MHz	-46.49 dBm	-33.49 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83937 GHz	-45.10 dBm	-32.10 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99010 GHz	-46.20 dBm	-33.20 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.80343 GHz	-40.90 dBm	-27.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55356 GHz	-41.67 dBm	-28.67 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.14901 GHz	-39.29 dBm	-26.29 dB

Date: 17.FEB.2018 01:49:59

Middle Channel / 64QAM

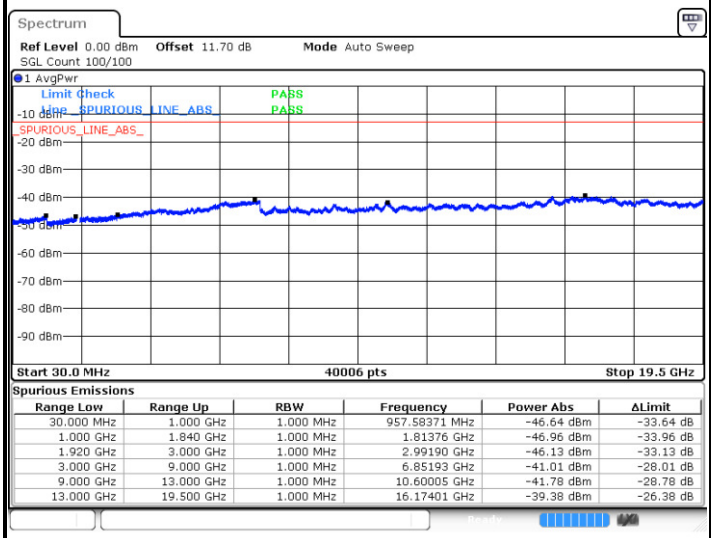


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-46.45 dBm	-33.45 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65760 GHz	-47.17 dBm	-34.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98650 GHz	-46.01 dBm	-33.01 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99892 GHz	-40.96 dBm	-27.96 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54756 GHz	-41.52 dBm	-28.52 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78754 GHz	-39.44 dBm	-26.44 dB

Date: 17.FEB.2018 01:51:12

Highest Channel / 64QAM



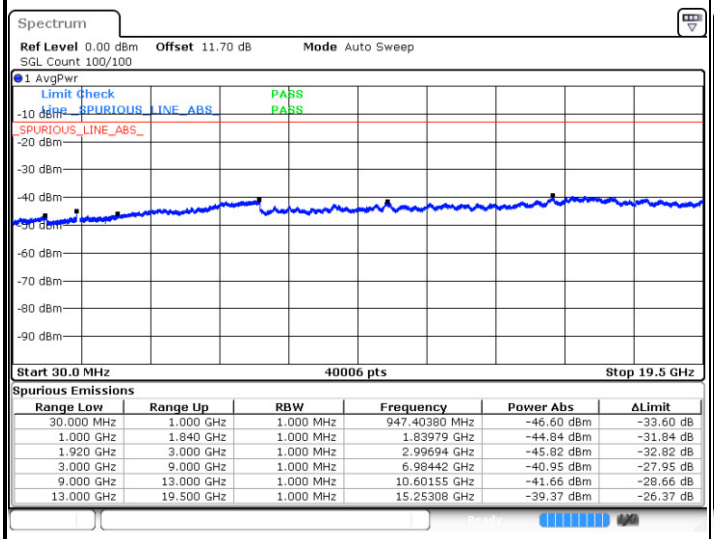
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.58371 MHz	-46.64 dBm	-33.64 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81376 GHz	-46.96 dBm	-33.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99190 GHz	-46.13 dBm	-33.13 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85193 GHz	-41.01 dBm	-28.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60005 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.17401 GHz	-39.38 dBm	-26.38 dB

Date: 17.FEB.2018 01:54:40

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

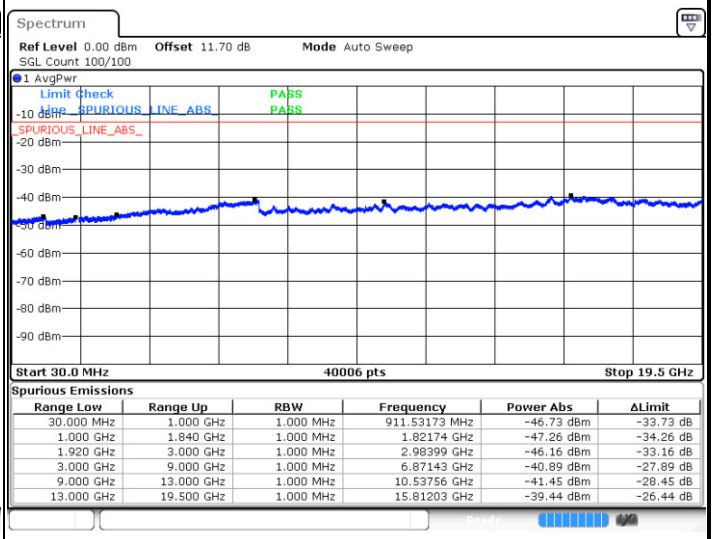


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-46.60 dBm	-33.60 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-44.84 dBm	-31.84 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99694 GHz	-45.82 dBm	-32.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98442 GHz	-40.95 dBm	-27.95 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60155 GHz	-41.66 dBm	-28.66 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.25308 GHz	-39.37 dBm	-26.37 dB

Date: 17.FEB.2018 01:58:08

Middle Channel / 64QAM

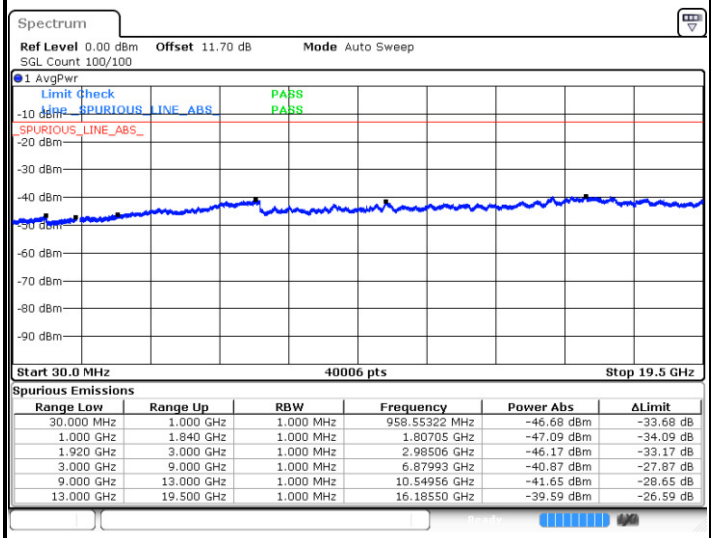


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.53173 MHz	-46.73 dBm	-33.73 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82174 GHz	-47.26 dBm	-34.26 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98399 GHz	-46.16 dBm	-33.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87143 GHz	-40.89 dBm	-27.89 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.53756 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.81203 GHz	-39.44 dBm	-26.44 dB

Date: 17.FEB.2018 01:59:22

Highest Channel / 64QAM



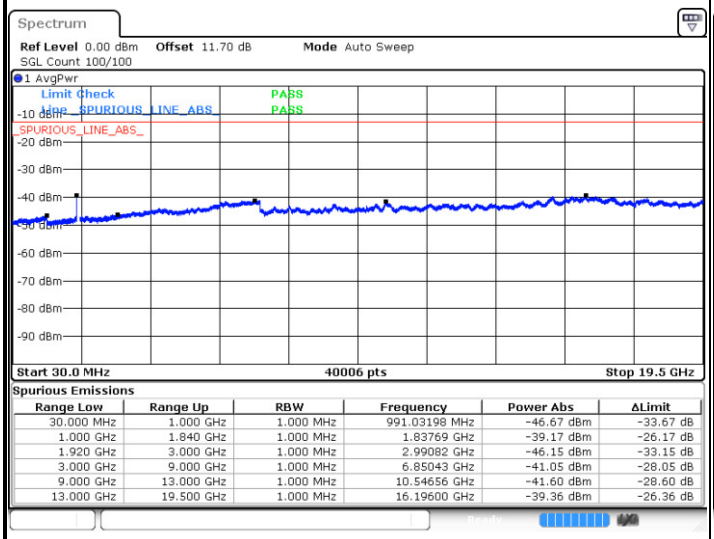
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	958.55322 MHz	-46.68 dBm	-33.68 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80705 GHz	-47.09 dBm	-34.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98506 GHz	-46.17 dBm	-33.17 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87993 GHz	-40.87 dBm	-27.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54956 GHz	-41.65 dBm	-28.65 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.18550 GHz	-39.59 dBm	-26.59 dB

Date: 17.FEB.2018 02:02:50

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

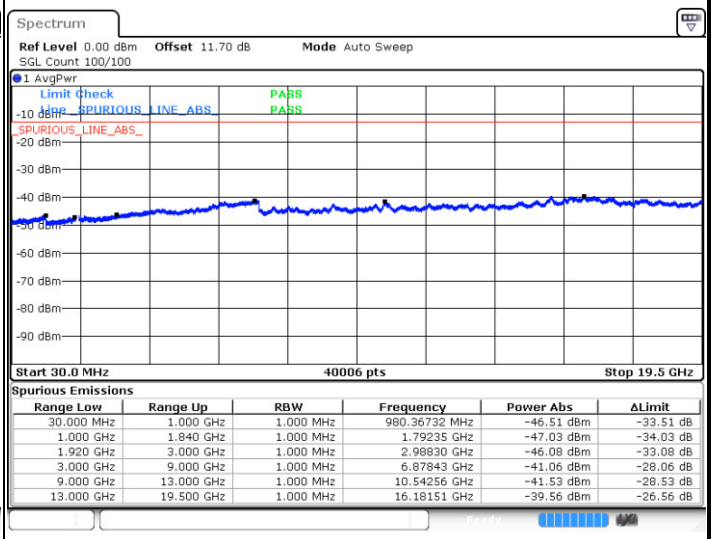


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.03198 MHz	-46.67 dBm	-33.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-39.17 dBm	-26.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99082 GHz	-46.15 dBm	-33.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85043 GHz	-41.05 dBm	-28.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54656 GHz	-41.60 dBm	-28.60 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.19600 GHz	-39.36 dBm	-26.36 dB

Date: 17.FEB.2018 02:06:18

Middle Channel / 64QAM

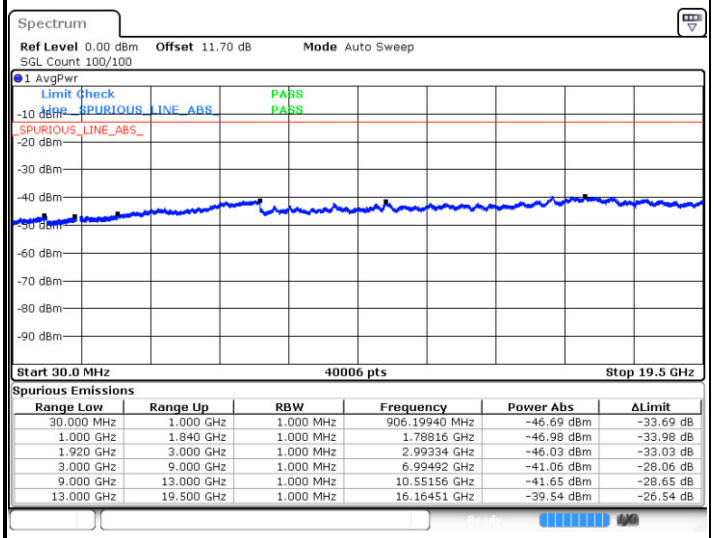


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.36732 MHz	-46.51 dBm	-33.51 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79235 GHz	-47.03 dBm	-34.03 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98830 GHz	-46.08 dBm	-33.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87843 GHz	-41.06 dBm	-28.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54256 GHz	-41.53 dBm	-28.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.18151 GHz	-39.56 dBm	-26.56 dB

Date: 17.FEB.2018 02:07:31

Highest Channel / 64QAM



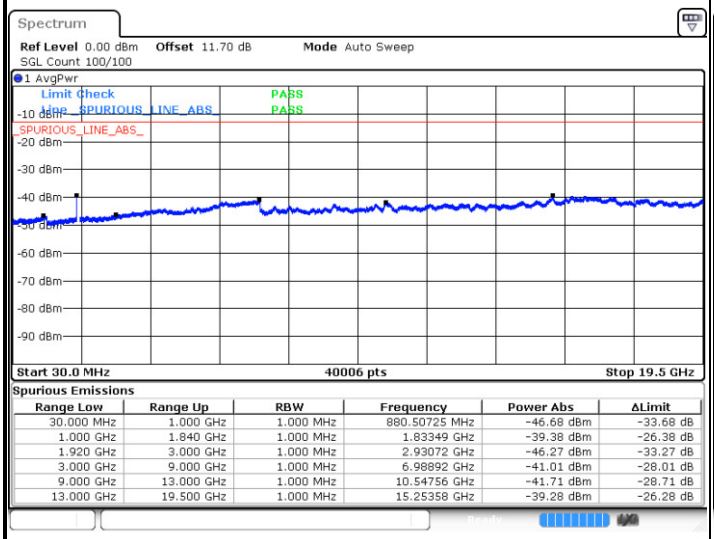
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.19940 MHz	-46.69 dBm	-33.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78816 GHz	-46.98 dBm	-33.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99334 GHz	-46.03 dBm	-33.03 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-41.06 dBm	-28.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55156 GHz	-41.65 dBm	-28.65 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.16451 GHz	-39.54 dBm	-26.54 dB

Date: 17.FEB.2018 02:10:59

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

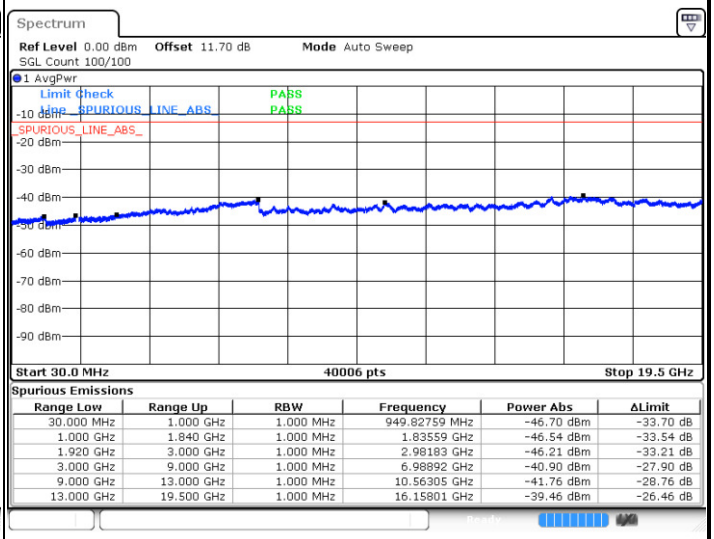


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.50725 MHz	-46.68 dBm	-33.68 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-39.38 dBm	-26.38 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93072 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98892 GHz	-41.01 dBm	-28.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.54756 GHz	-41.71 dBm	-28.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.25358 GHz	-39.28 dBm	-26.28 dB

Date: 17.FEB.2018 02:14:27

Middle Channel / 64QAM

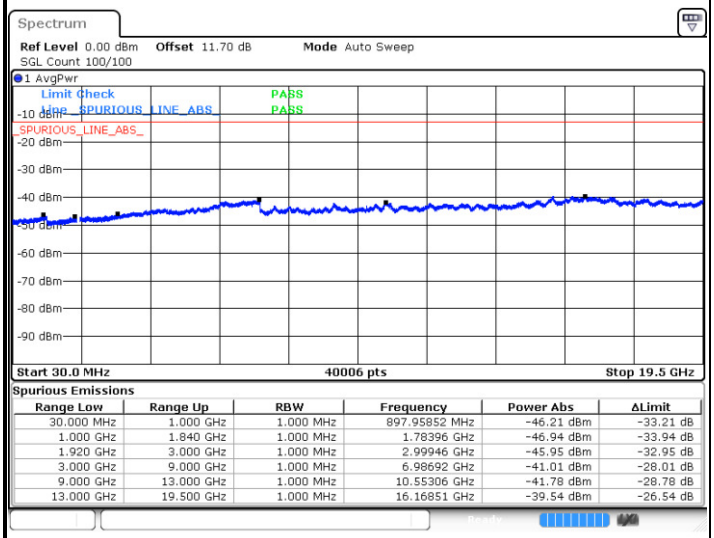


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.82759 MHz	-46.70 dBm	-33.70 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-46.54 dBm	-33.54 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98183 GHz	-46.21 dBm	-33.21 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98892 GHz	-40.90 dBm	-27.90 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56305 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.15801 GHz	-39.46 dBm	-26.46 dB

Date: 17.FEB.2018 02:15:41

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.95852 MHz	-46.21 dBm	-33.21 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78396 GHz	-46.94 dBm	-33.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99946 GHz	-45.95 dBm	-32.95 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98692 GHz	-41.01 dBm	-28.01 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.55306 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.16851 GHz	-39.54 dBm	-26.54 dB

Date: 17.FEB.2018 02:19:09

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	0.0004	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0056	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

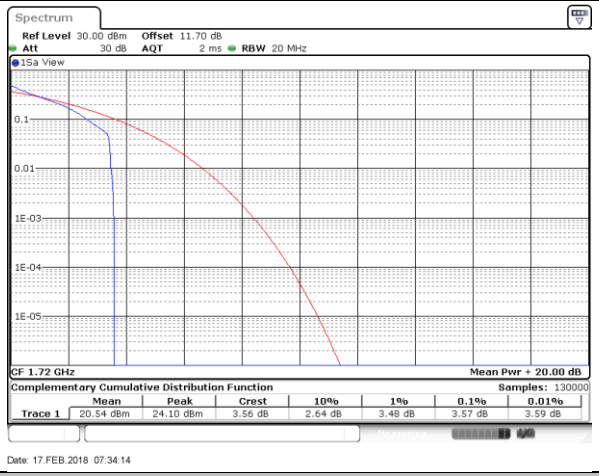
LTE Band 4

Peak-to-Average Ratio

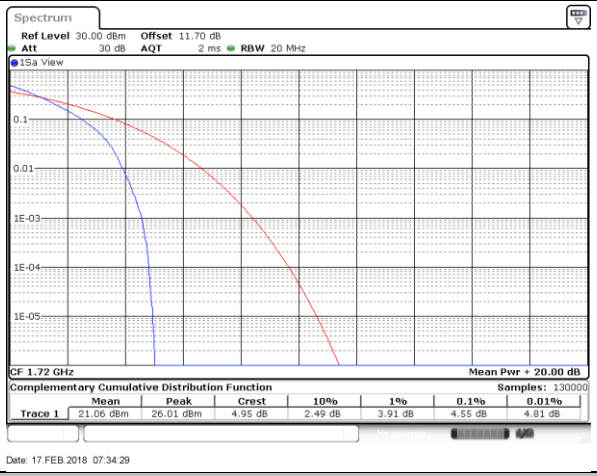
Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.55	5.1	5.86	PASS
Middle CH	3.57	4.55	5.19	5.8	
Highest CH	3.65	4.64	4.99	5.86	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.42	6.52	-	-	PASS
Middle CH	6.17	6.41	-	-	
Highest CH	6.03	6.46	-	-	

LTE Band 4 / 20MHz / QPSK

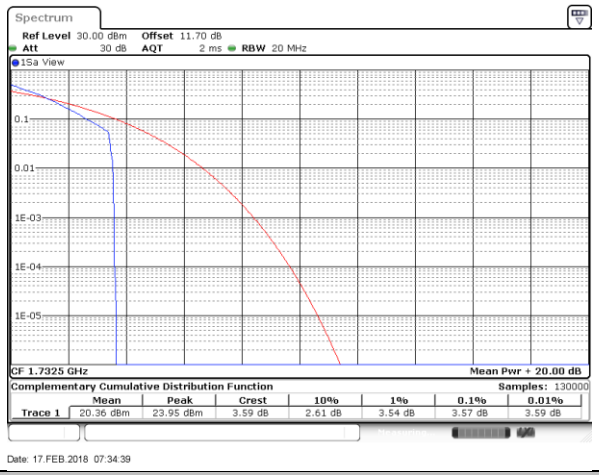
Lowest Channel / 1RB



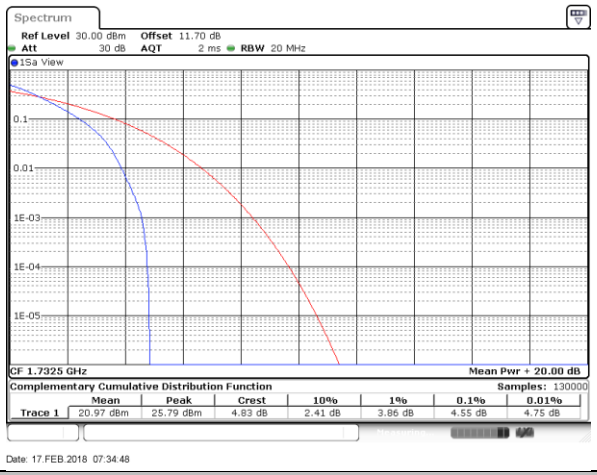
Lowest Channel / Full RB



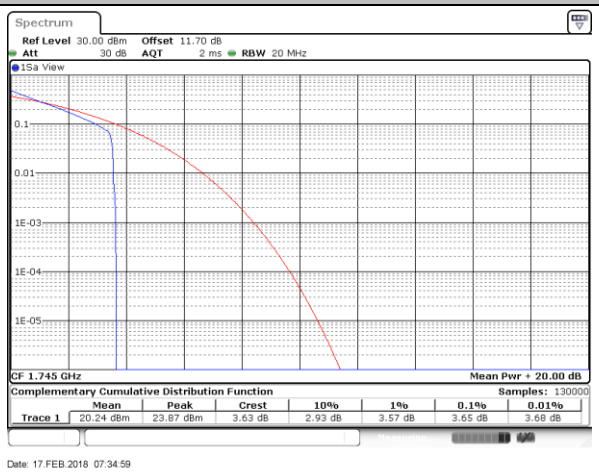
Middle Channel / 1RB



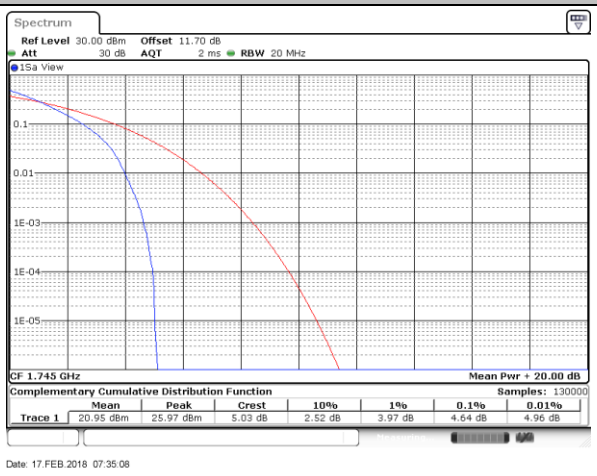
Middle Channel / Full RB



Highest Channel / 1RB

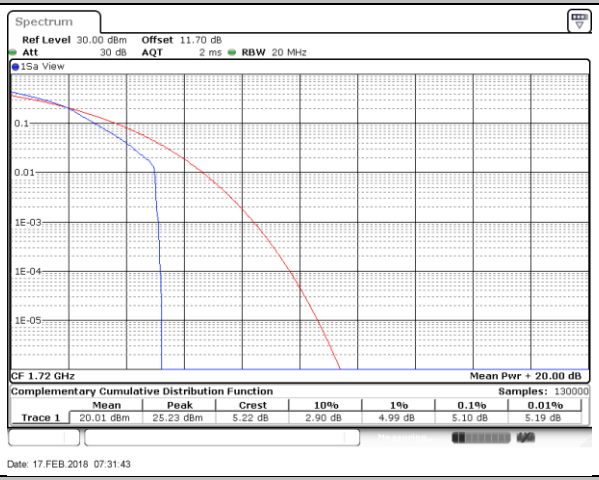


Highest Channel / Full RB

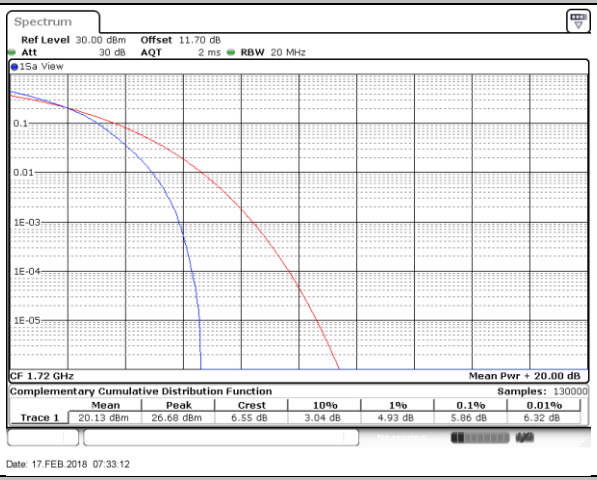


LTE Band 4 / 20MHz / 16QAM

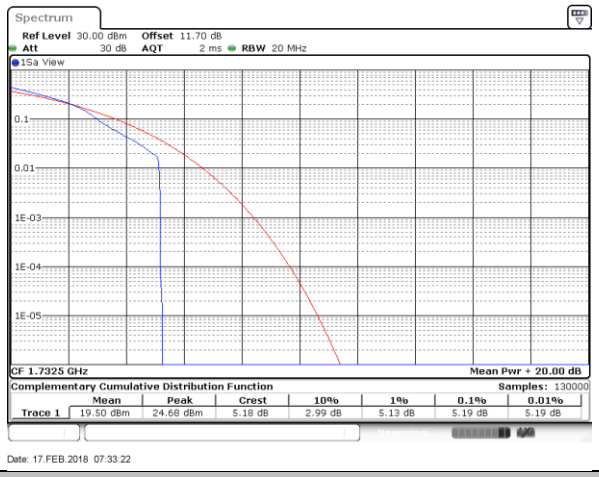
Lowest Channel / 1RB



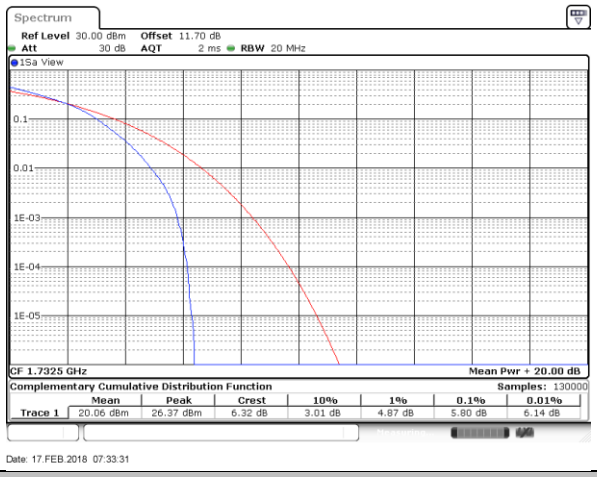
Lowest Channel / Full RB



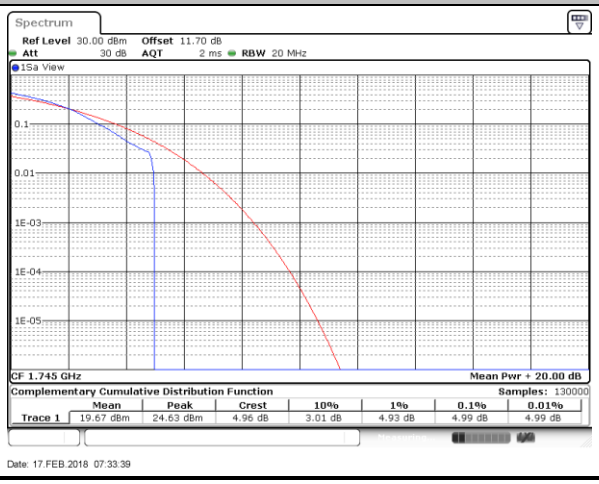
Middle Channel / 1RB



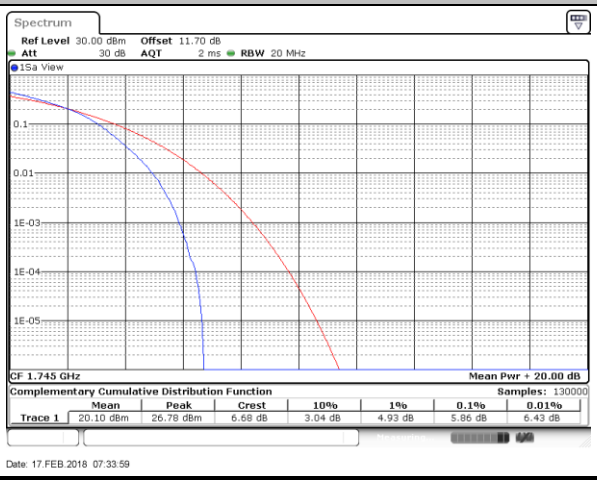
Middle Channel / Full RB



Highest Channel / 1RB

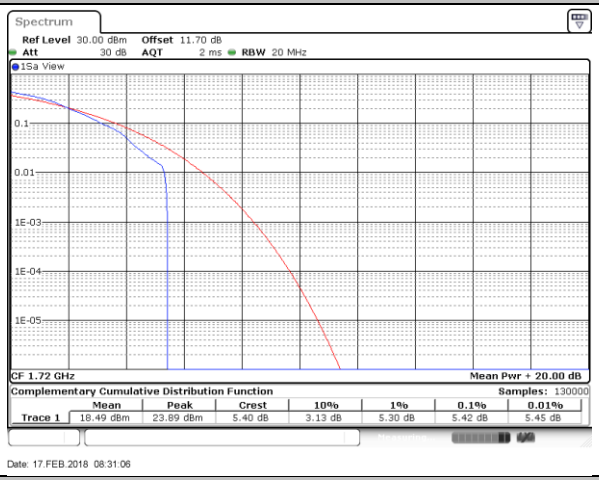


Highest Channel / Full RB

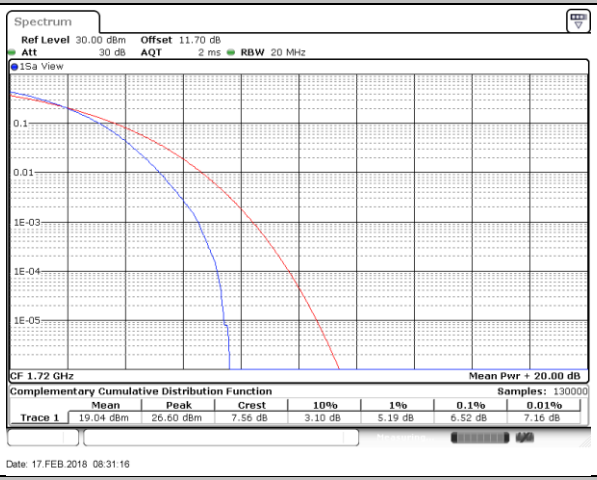


LTE Band 4 / 20MHz / 64QAM

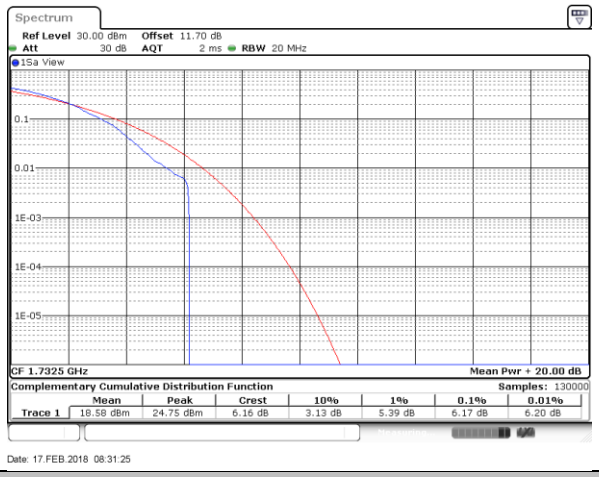
Lowest Channel / 1RB



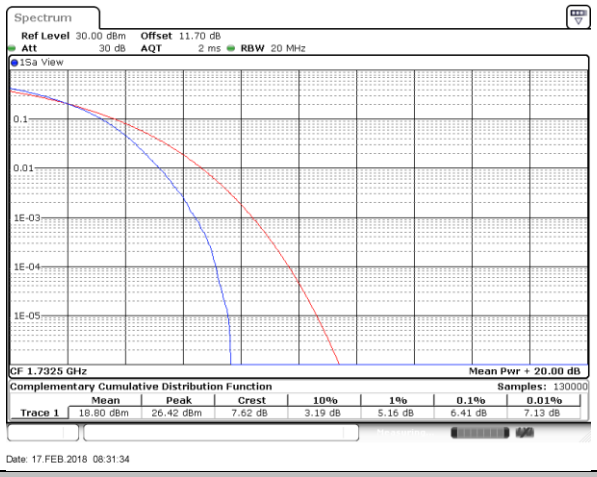
Lowest Channel / Full RB



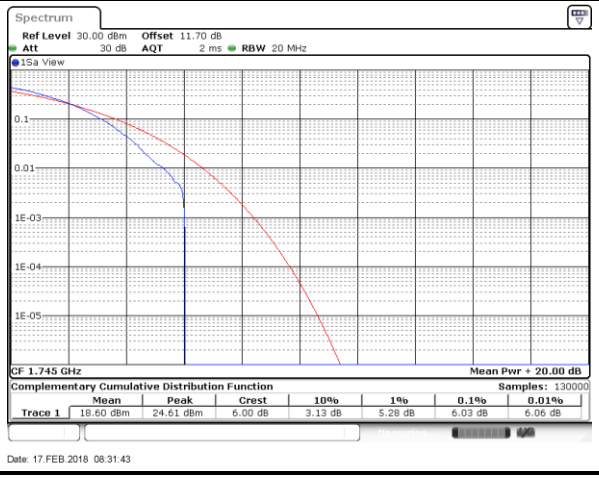
Middle Channel / 1RB



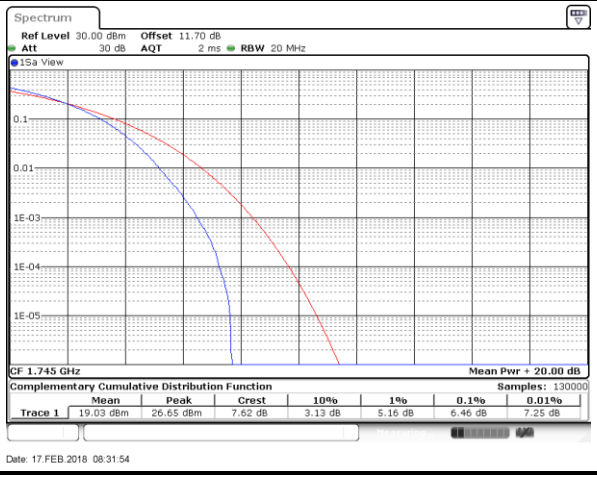
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

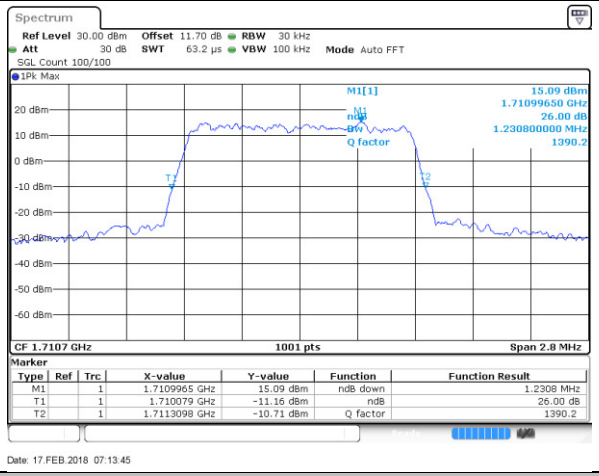


26dB Bandwidth

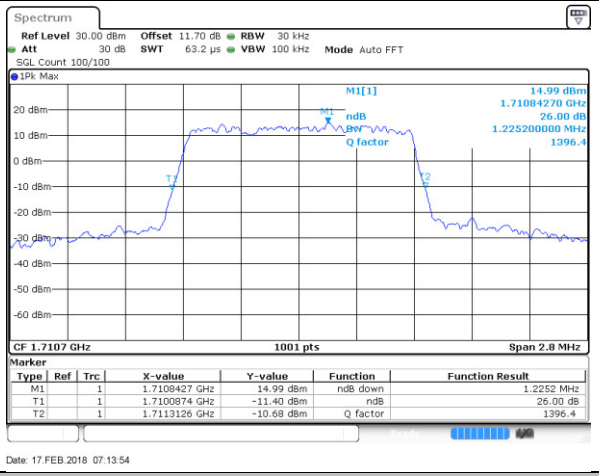
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.23	2.99	3.03	4.91	4.91	9.91	9.69	14.39	14.54	20.18	20.30
Middle CH	1.23	1.23	3.04	3.05	4.90	4.90	9.93	9.77	14.42	14.54	20.22	20.26
Highest CH	1.24	1.23	3.02	3.07	4.88	4.90	9.77	9.77	14.27	14.36	20.18	20.22
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.00	-	4.89	-	9.65	-	14.39	-	20.18	-
Middle CH	1.23	-	3.03	-	4.94	-	9.85	-	14.69	-	20.10	-
Highest CH	1.23	-	3.02	-	4.88	-	9.95	-	14.60	-	20.06	-

LTE Band 4

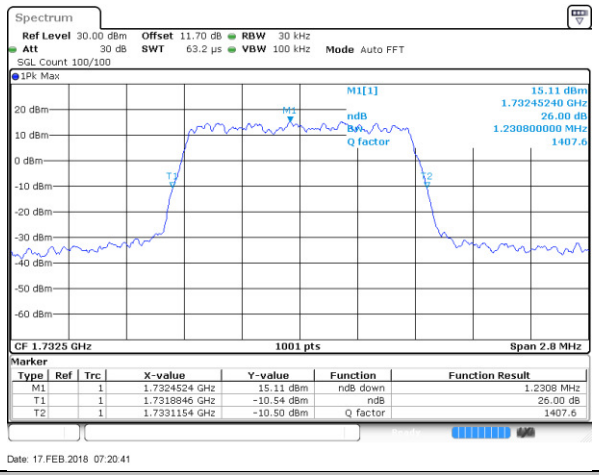
Lowest Channel / 1.4MHz / QPSK



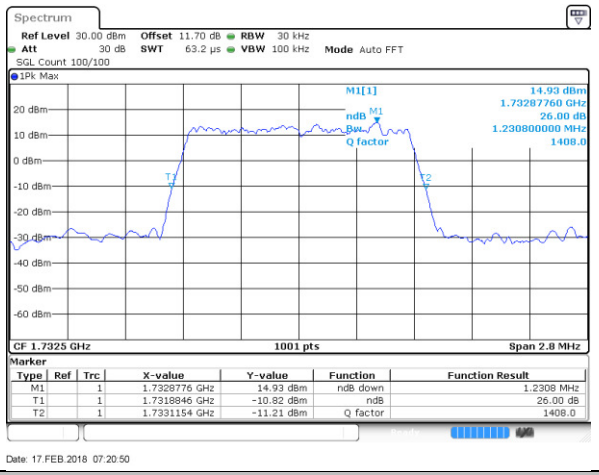
Lowest Channel / 1.4MHz / 16QAM



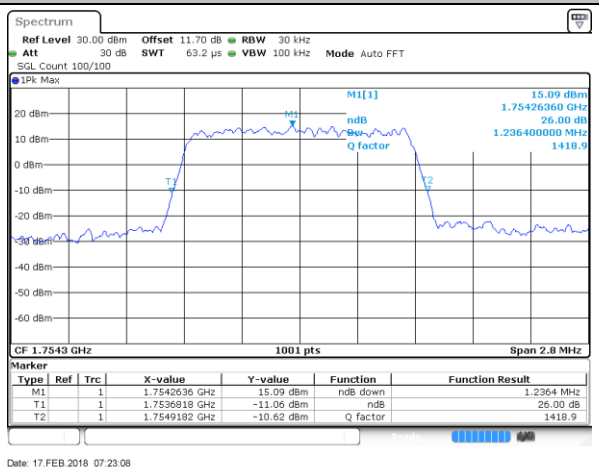
Middle Channel / 1.4MHz / QPSK



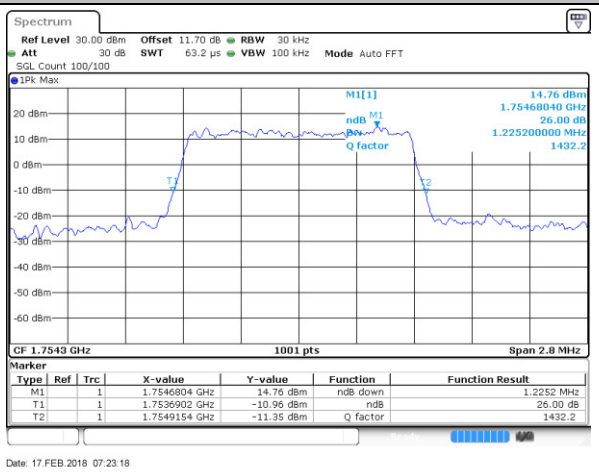
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

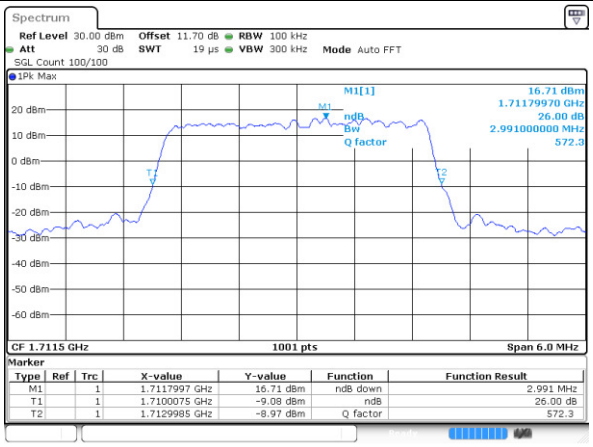


Highest Channel / 1.4MHz / 16QAM

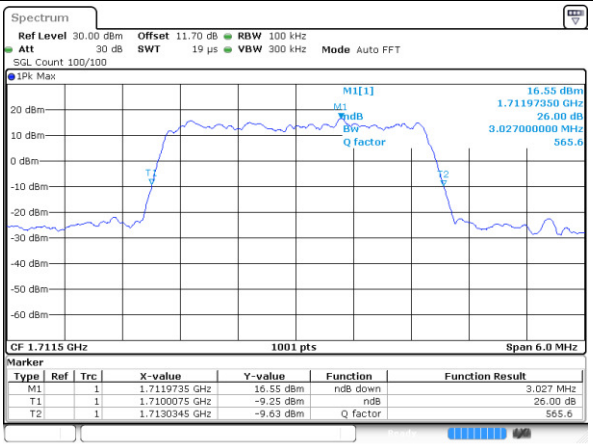


LTE Band 4

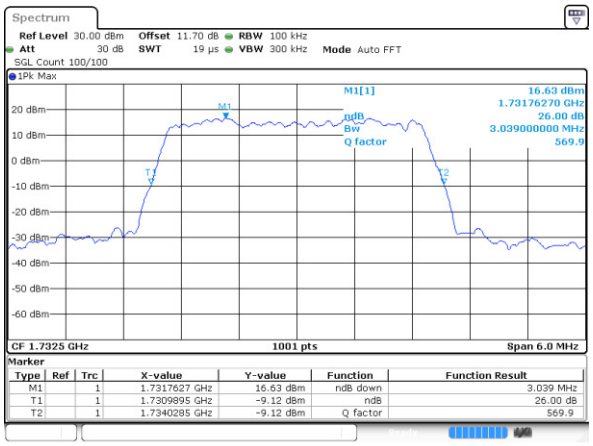
Lowest Channel / 3MHz / QPSK



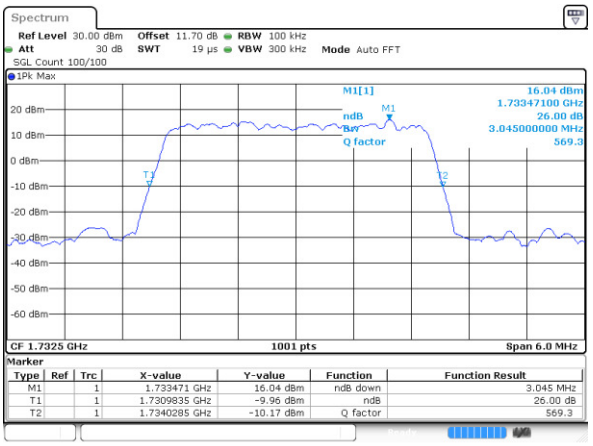
Lowest Channel / 3MHz / 16QAM



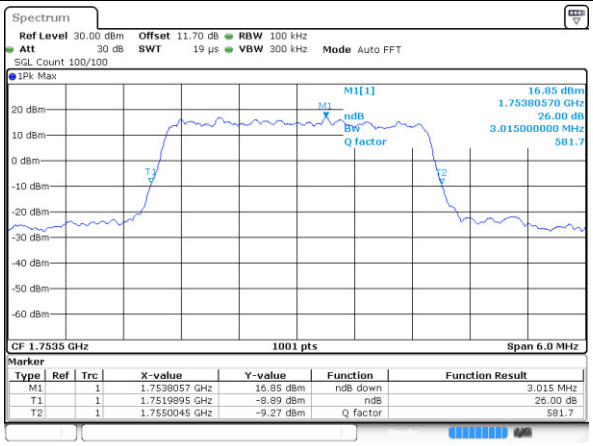
Middle Channel / 3MHz / QPSK



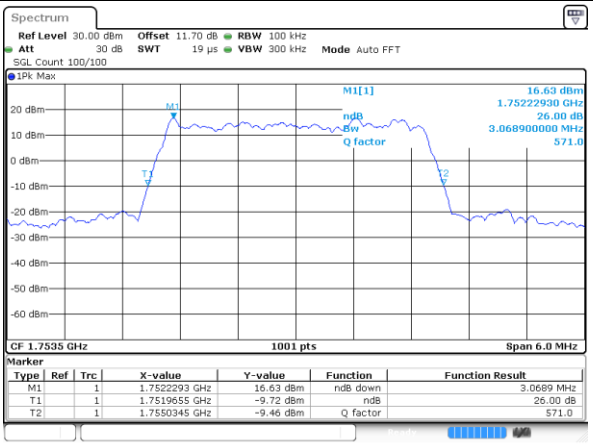
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

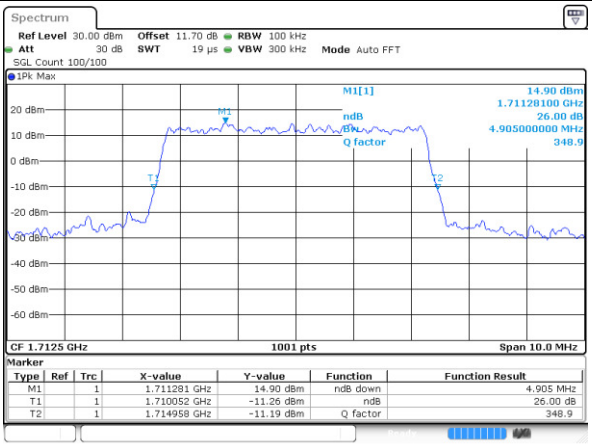


Highest Channel / 3MHz / 16QAM

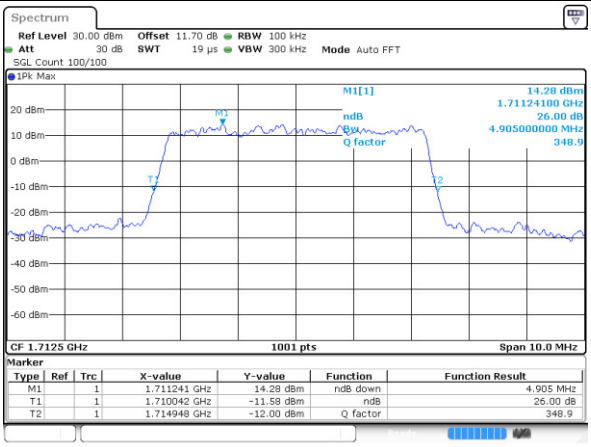


LTE Band 4

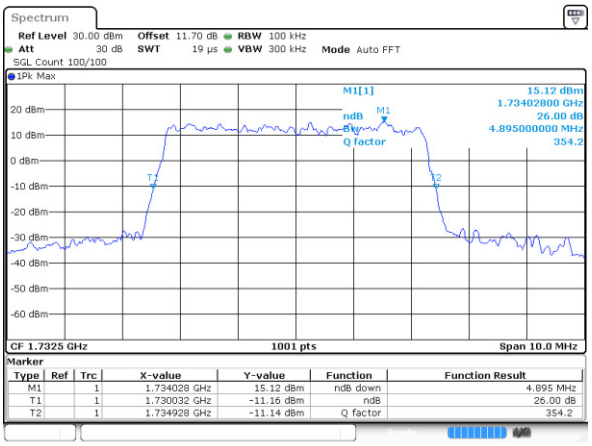
Lowest Channel / 5MHz / QPSK



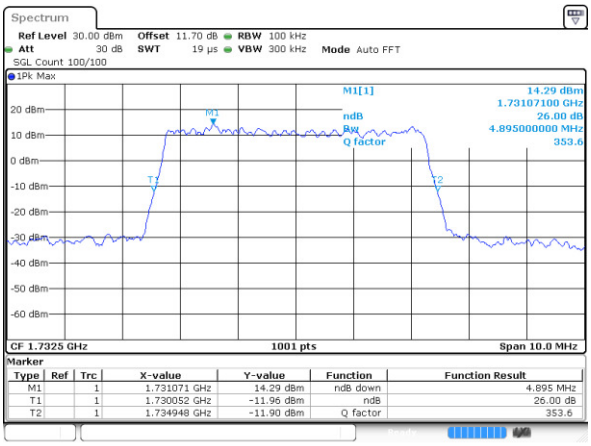
Lowest Channel / 5MHz / 16QAM



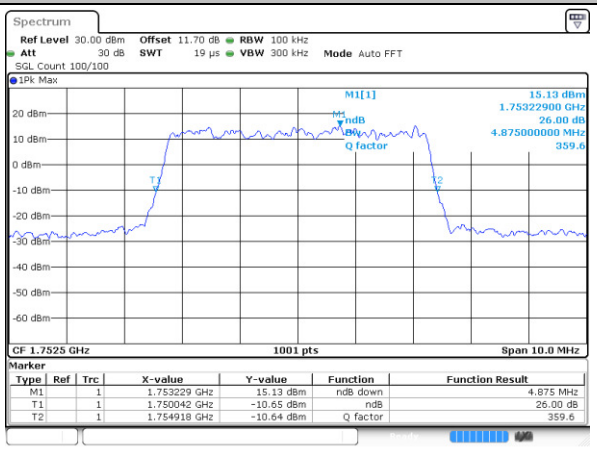
Middle Channel / 5MHz / QPSK



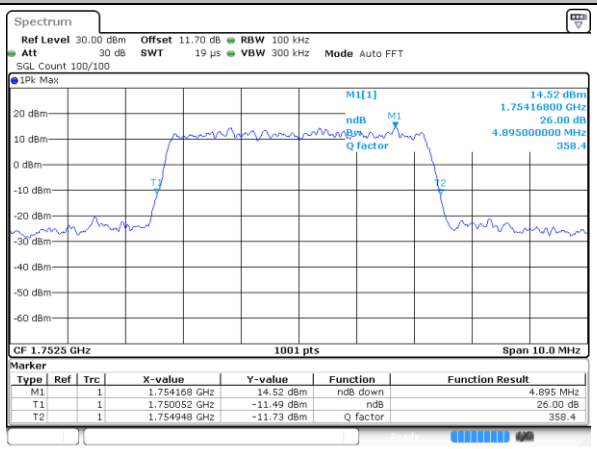
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

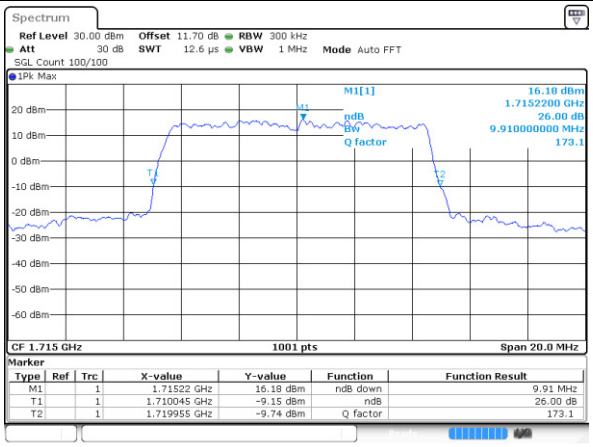


Highest Channel / 5MHz / 16QAM

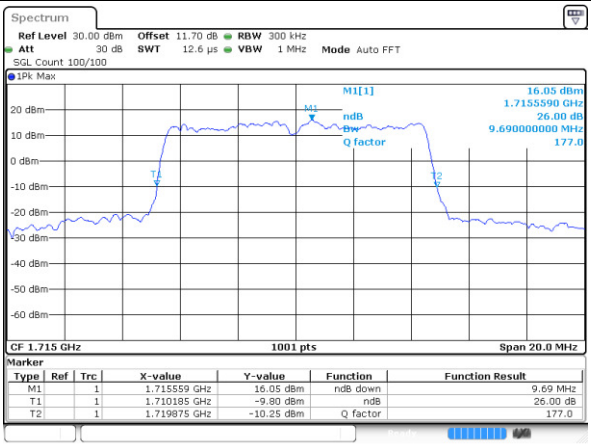


LTE Band 4

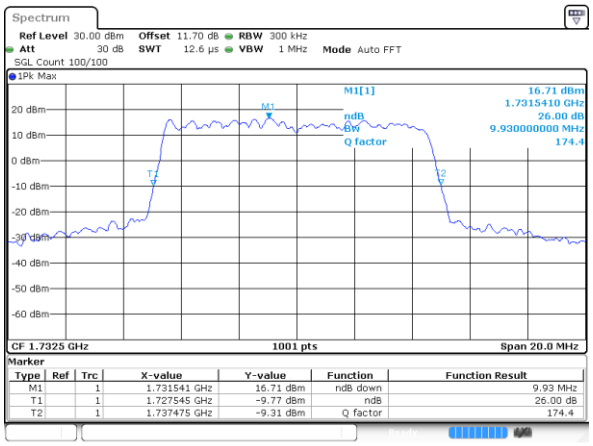
Lowest Channel / 10MHz / QPSK



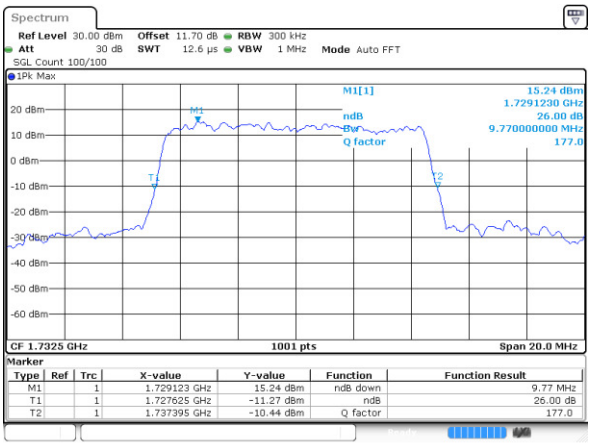
Lowest Channel / 10MHz / 16QAM



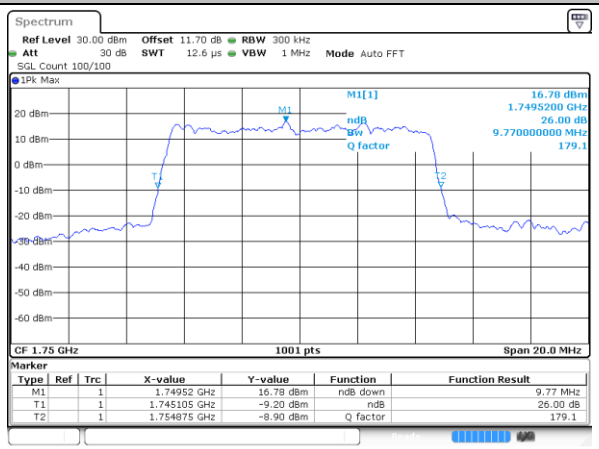
Middle Channel / 10MHz / QPSK



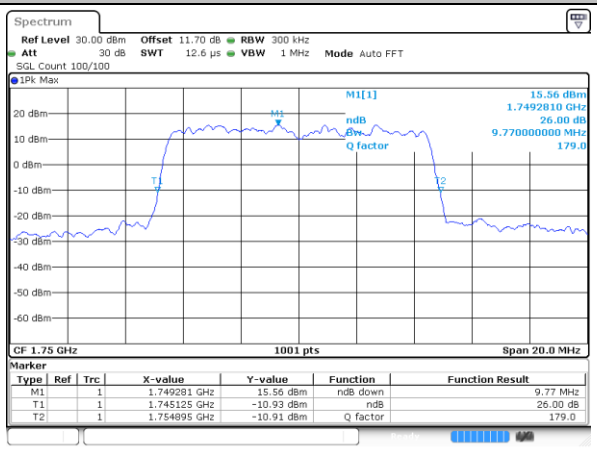
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

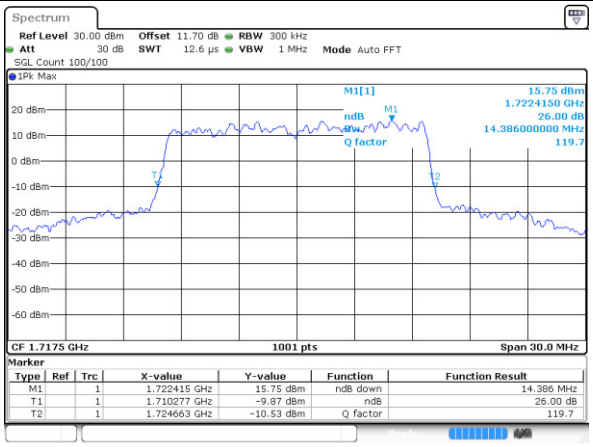


Highest Channel / 10MHz / 16QAM

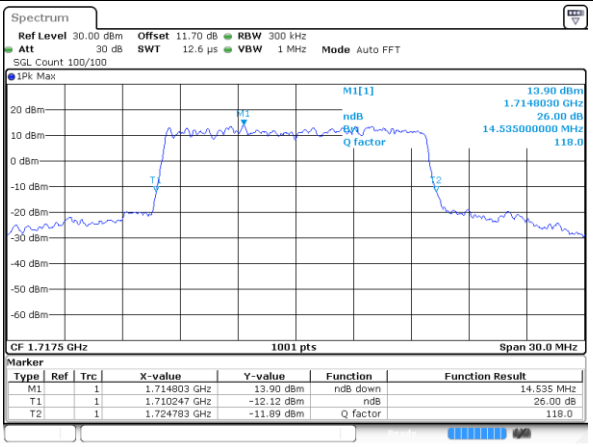


LTE Band 4

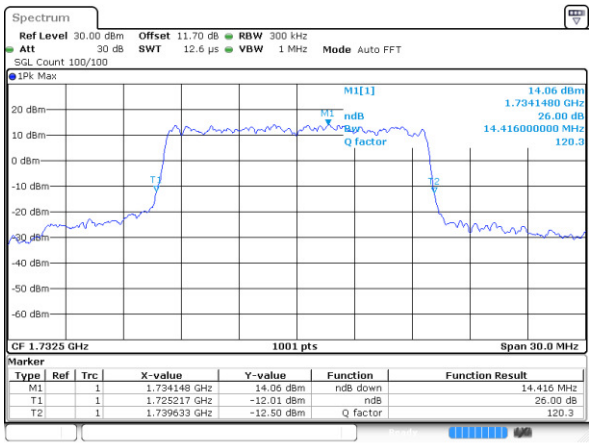
Lowest Channel / 15MHz / QPSK



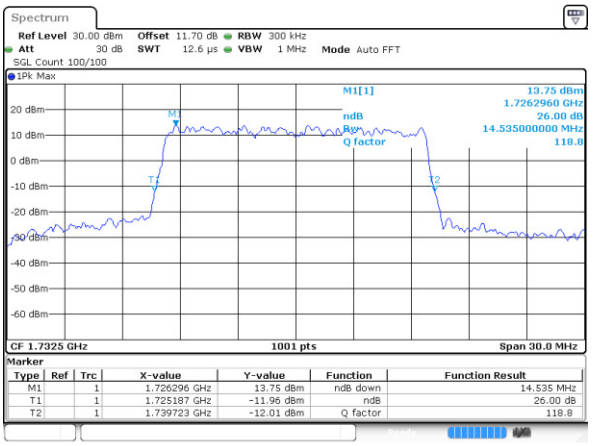
Lowest Channel / 15MHz / 16QAM



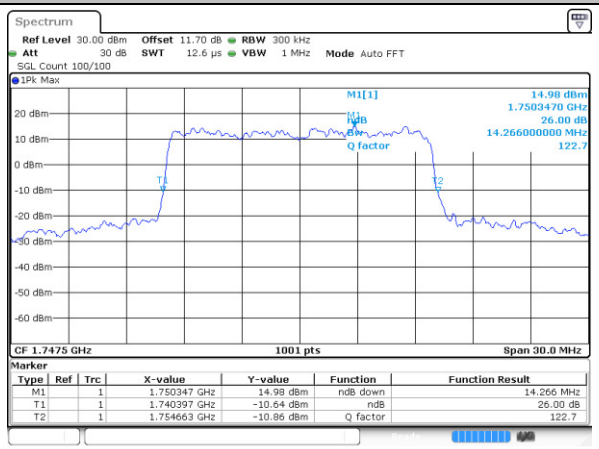
Middle Channel / 15MHz / QPSK



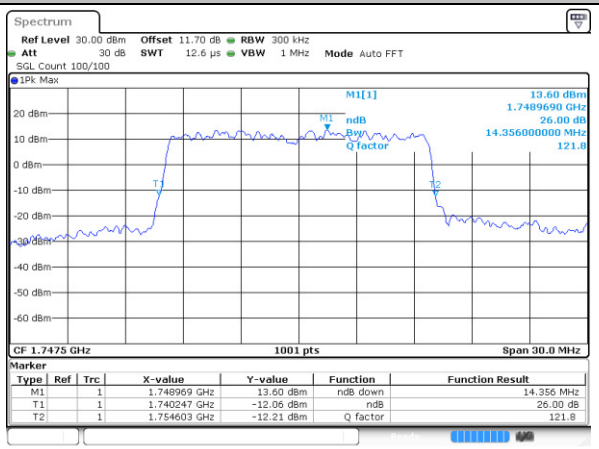
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

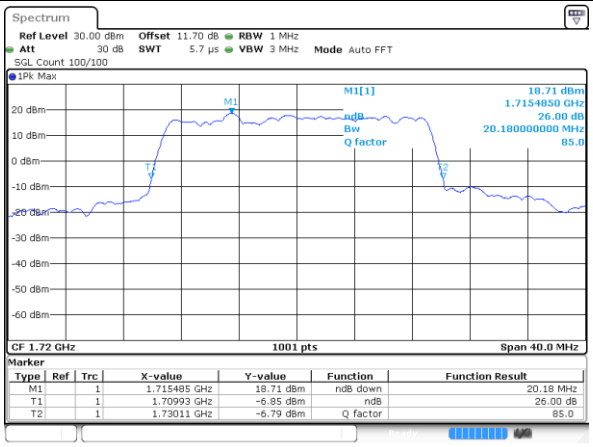


Highest Channel / 15MHz / 16QAM

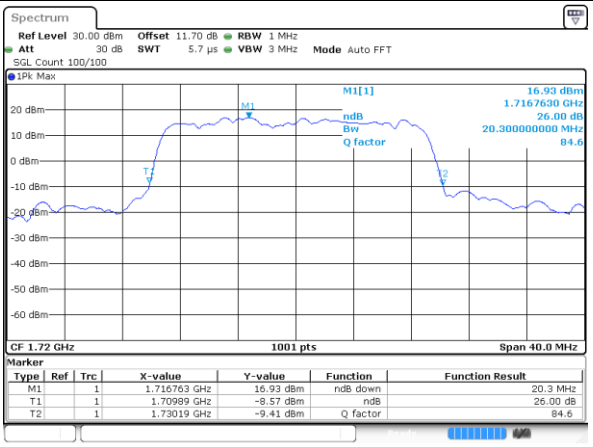


LTE Band 4

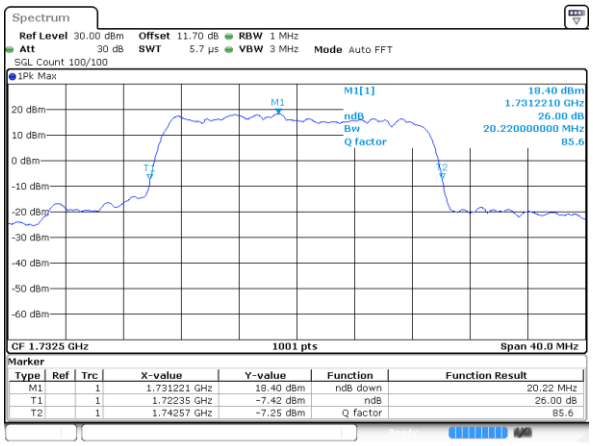
Lowest Channel / 20MHz / QPSK



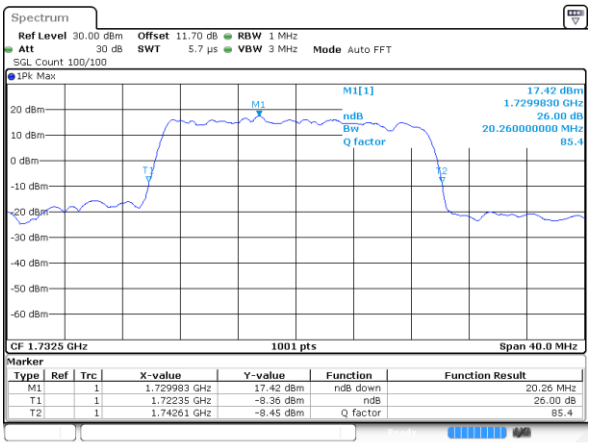
Lowest Channel / 20MHz / 16QAM



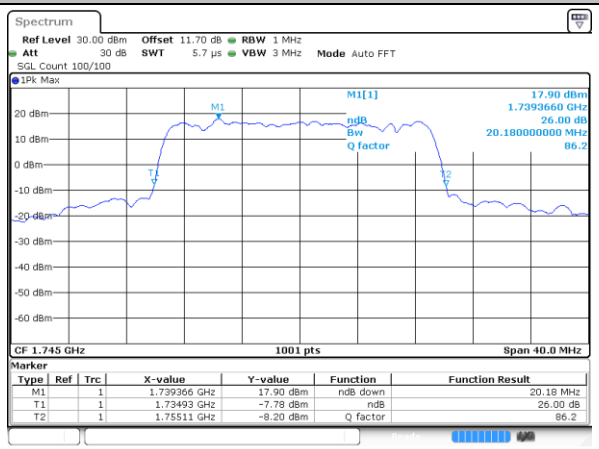
Middle Channel / 20MHz / QPSK



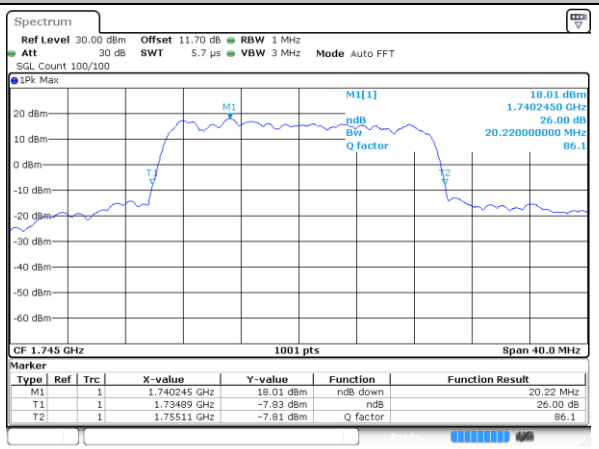
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

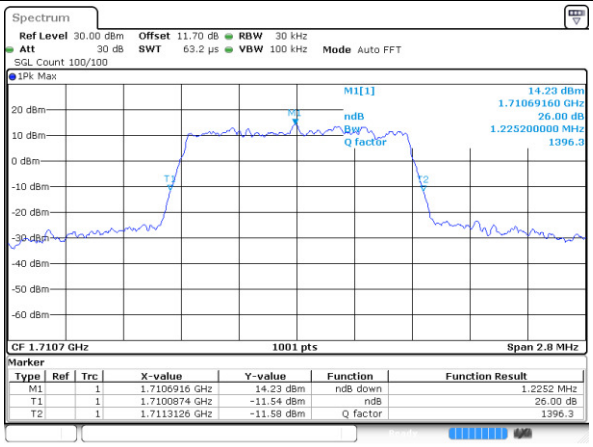


Highest Channel / 20MHz / 16QAM

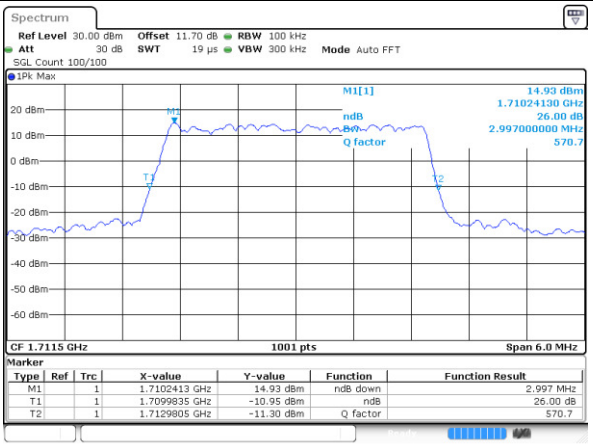


LTE Band 4

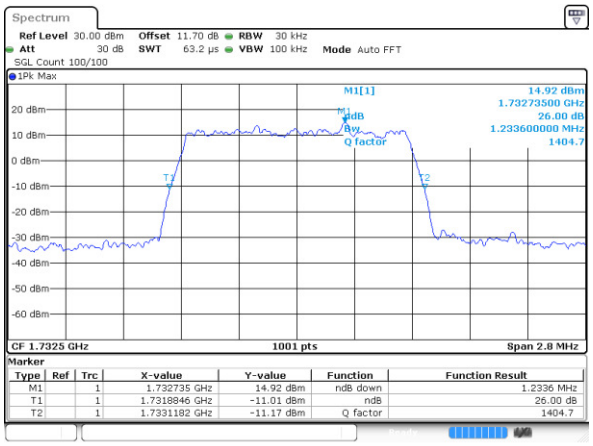
Lowest Channel / 1.4MHz / 64QAM



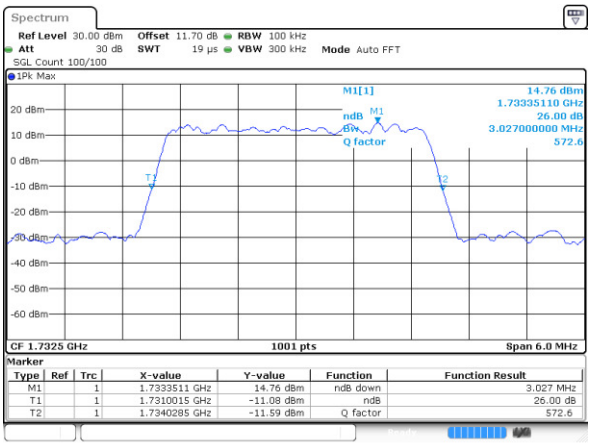
Lowest Channel / 3MHz / 64QAM



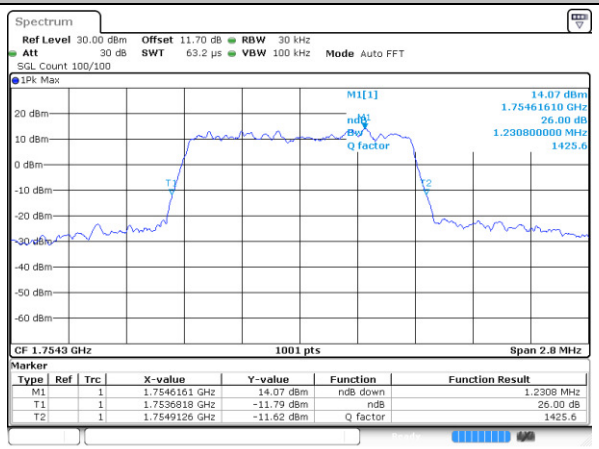
Middle Channel / 1.4MHz / 64QAM



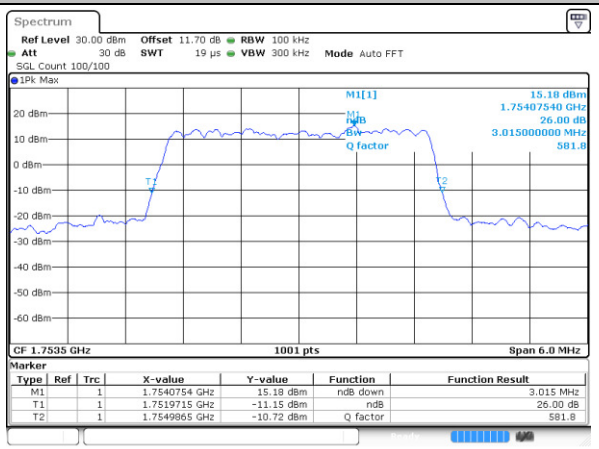
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

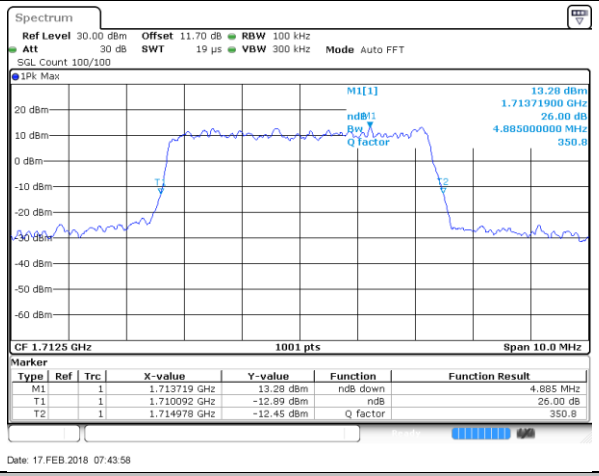


Highest Channel / 3MHz / 64QAM

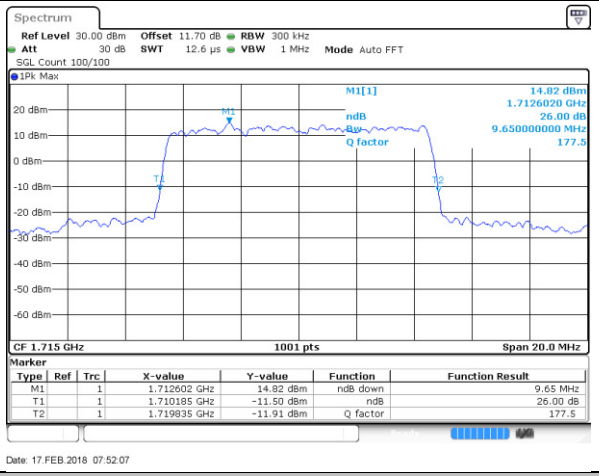


LTE Band 4

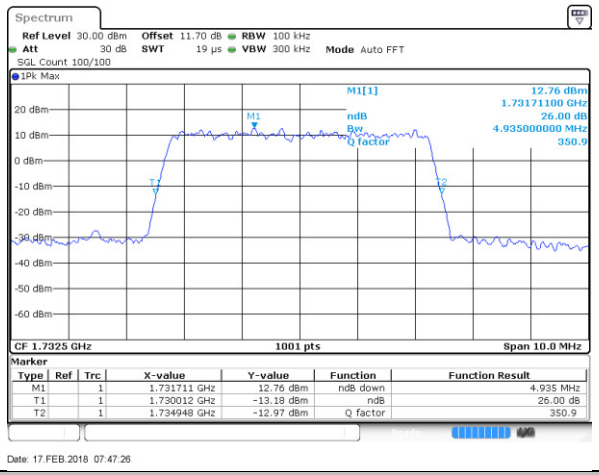
Lowest Channel / 5MHz / 64QAM



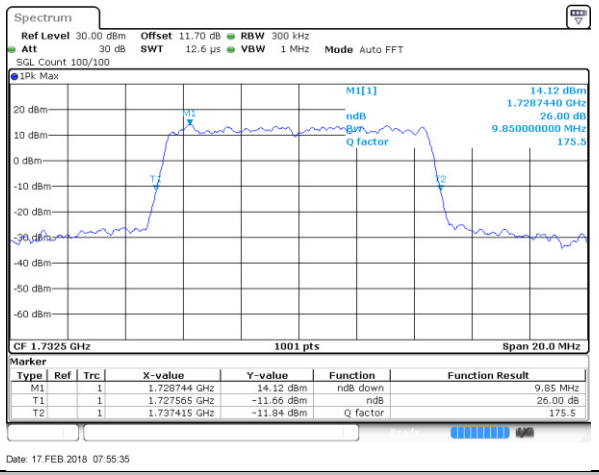
Lowest Channel / 10MHz / 64QAM



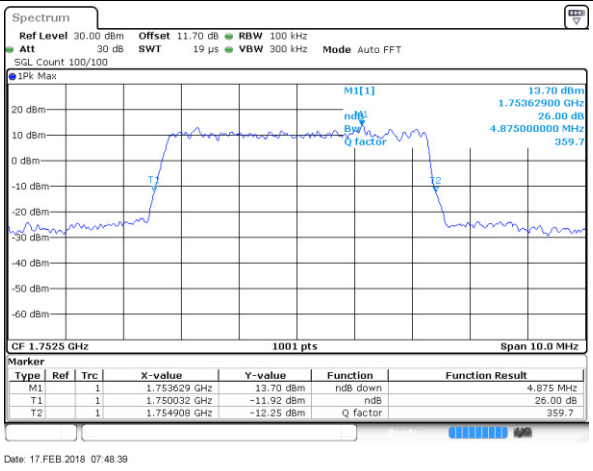
Middle Channel / 5MHz / 64QAM



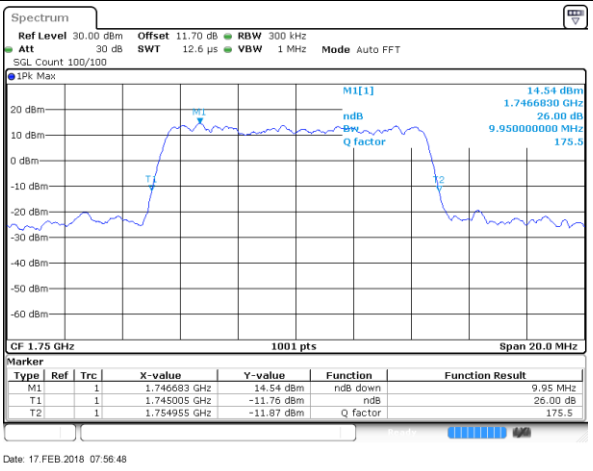
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

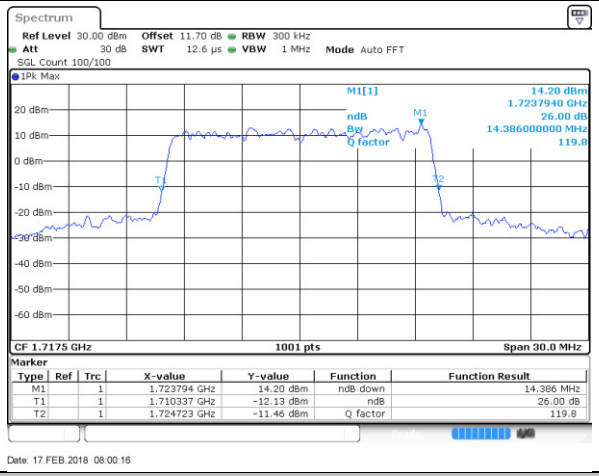


Highest Channel / 10MHz / 64QAM

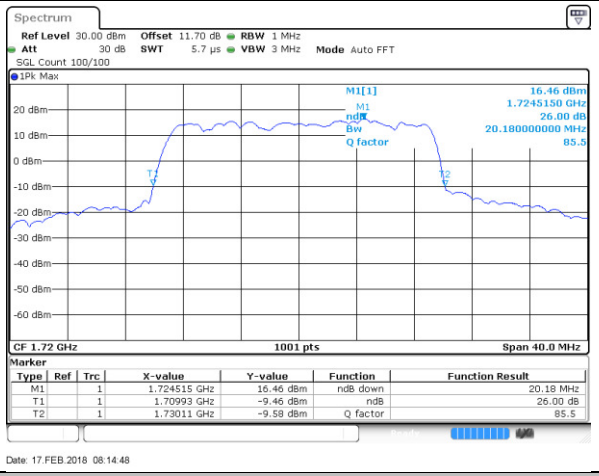


LTE Band 4

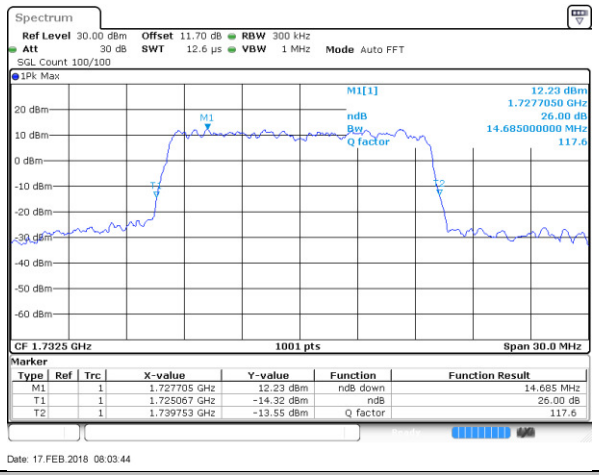
Lowest Channel / 15MHz / 64QAM



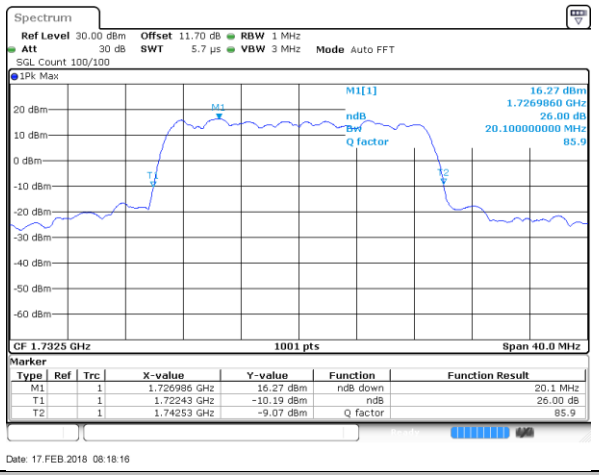
Lowest Channel / 20MHz / 64QAM



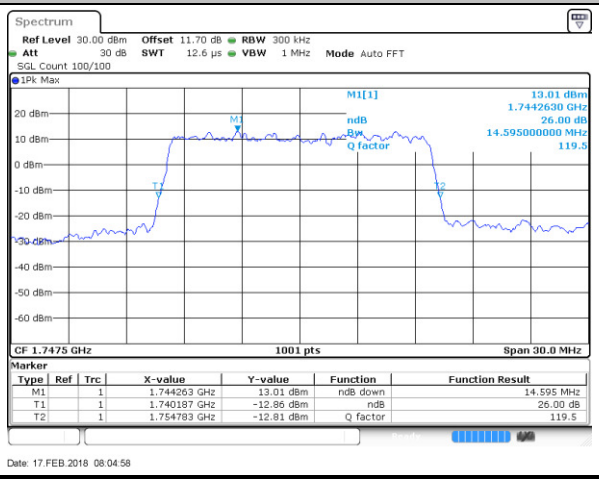
Middle Channel / 15MHz / 64QAM



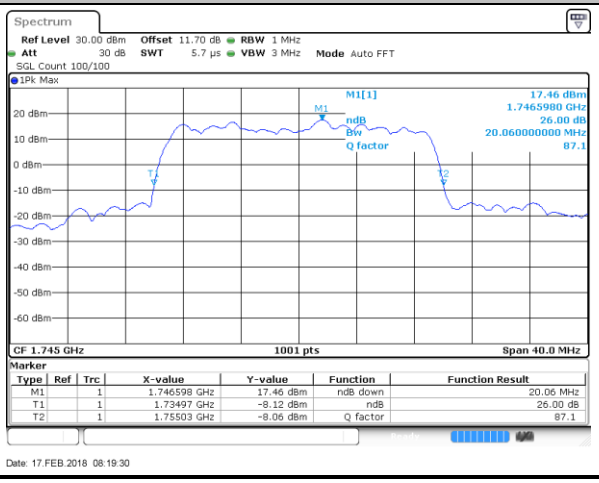
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

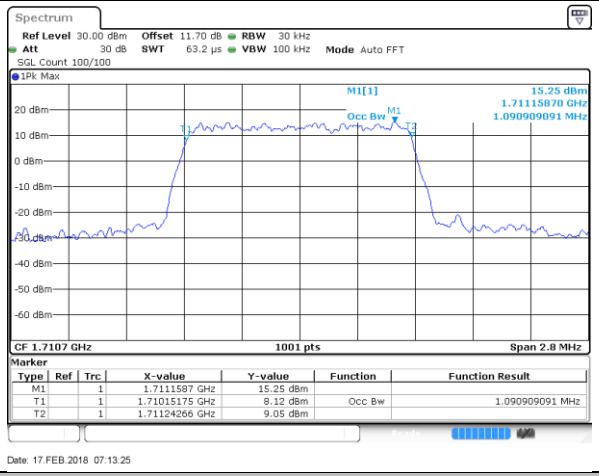


Occupied Bandwidth

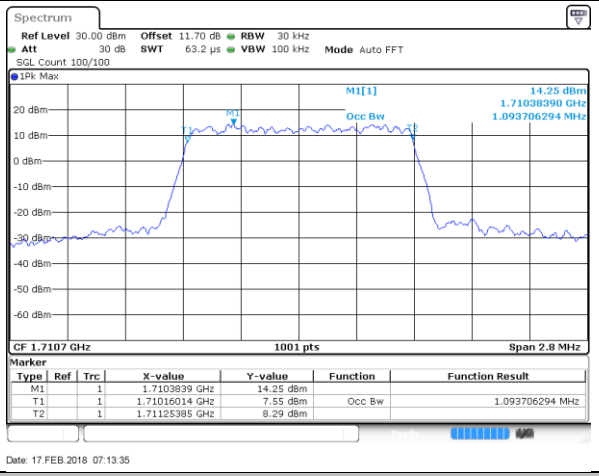
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.72	2.72	4.5	4.5	8.99	9.05	13.4	13.43	18.42	18.58
Middle CH	1.09	1.1	2.73	2.74	4.46	4.5	9.01	8.97	13.49	13.4	18.34	18.26
Highest CH	1.08	1.09	2.73	2.72	4.48	4.48	8.99	9.05	13.49	13.46	18.38	18.46
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.49	-	9.07	-	13.46	-	18.50	-
Middle CH	1.09	-	2.72	-	4.51	-	9.01	-	13.40	-	18.18	-
Highest CH	1.08	-	2.72	-	4.49	-	9.07	-	13.43	-	18.46	-

LTE Band 4

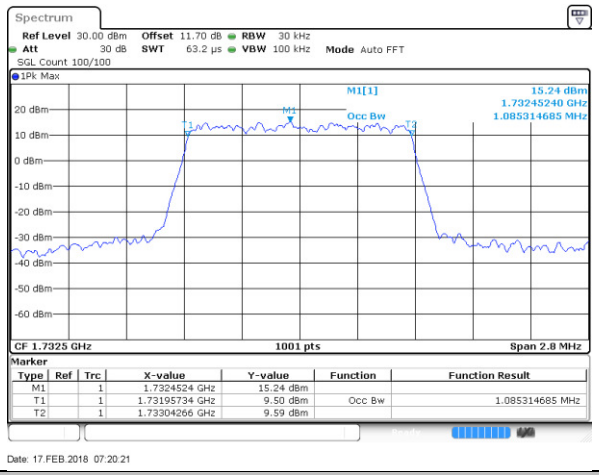
Lowest Channel / 1.4MHz / QPSK



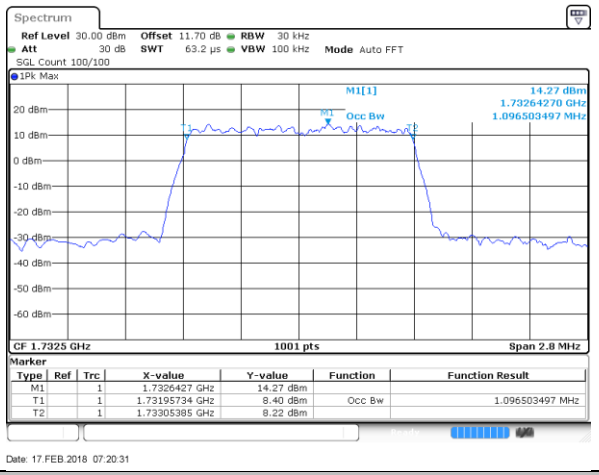
Lowest Channel / 1.4MHz / 16QAM



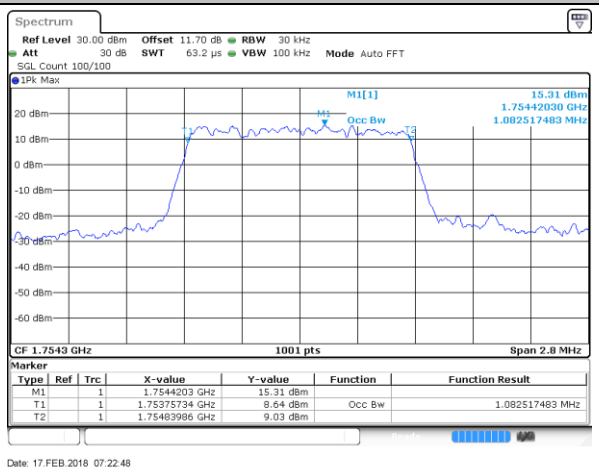
Middle Channel / 1.4MHz / QPSK



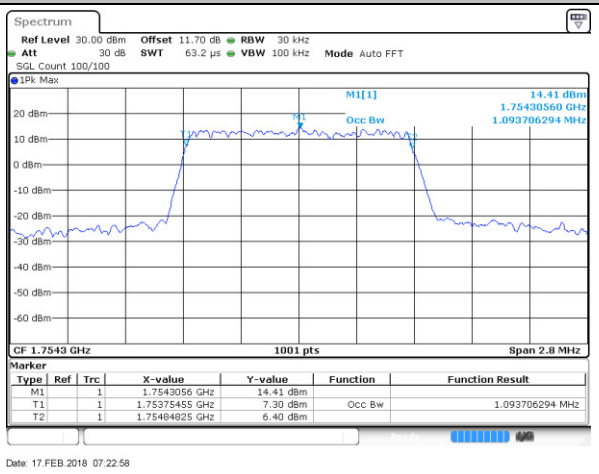
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

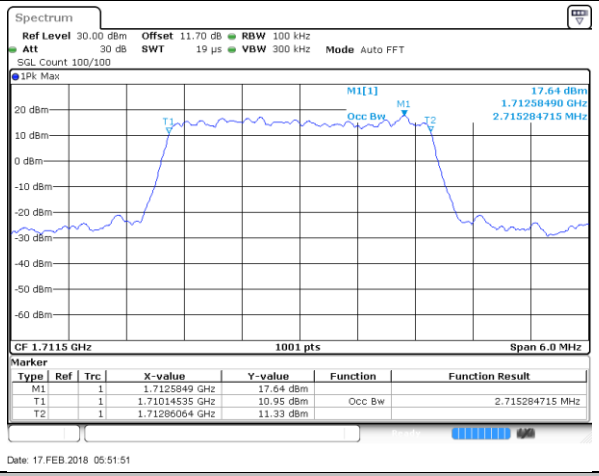


Highest Channel / 1.4MHz / 16QAM

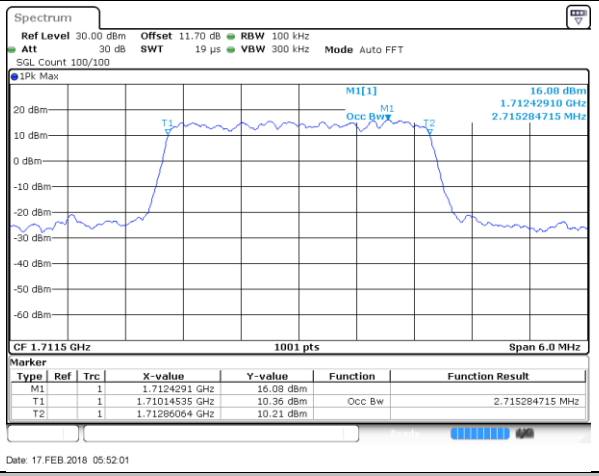


LTE Band 4

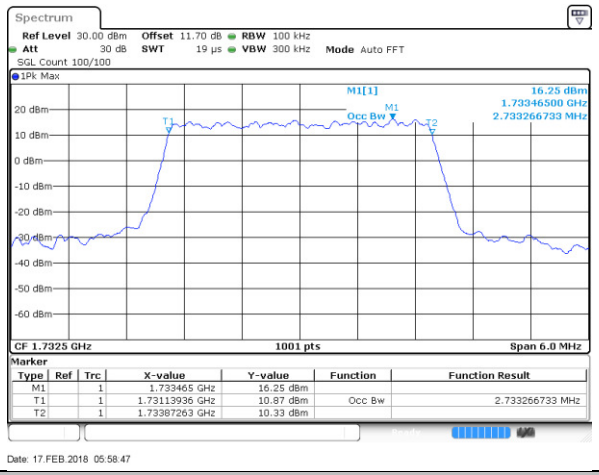
Lowest Channel / 3MHz / QPSK



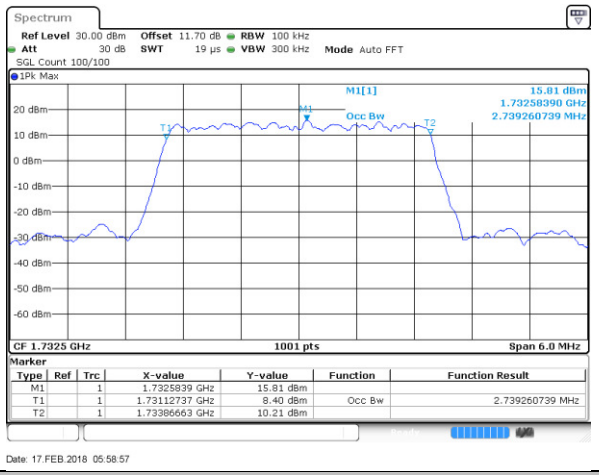
Lowest Channel / 3MHz / 16QAM



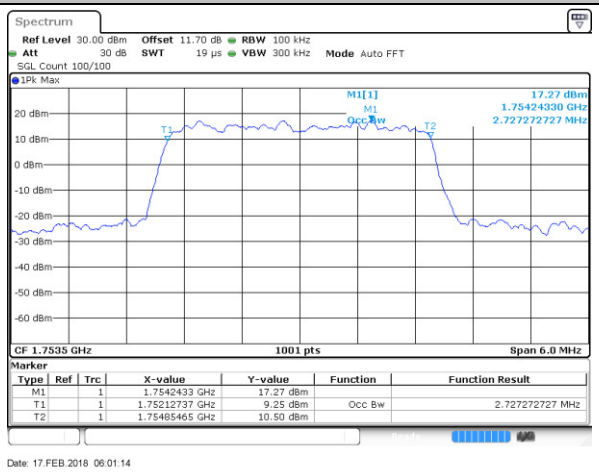
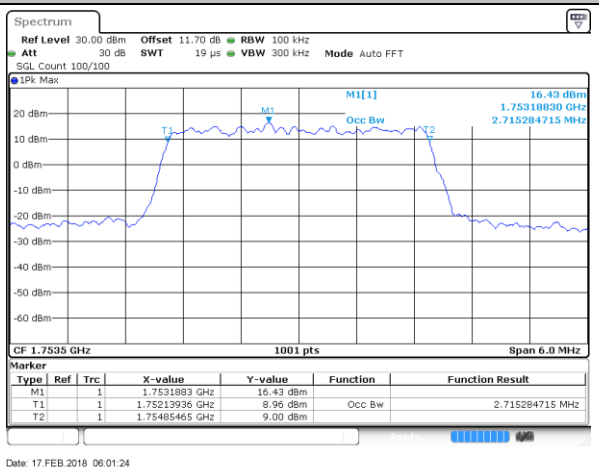
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM