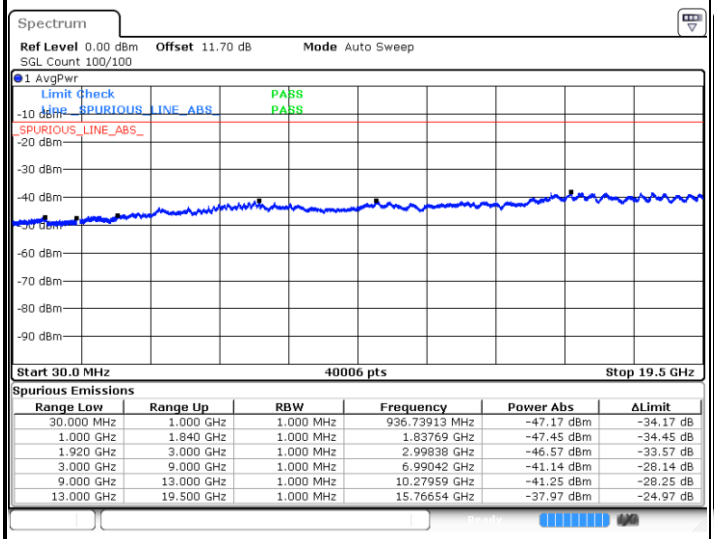
LTE Band 2 / 15MHz

Lowest Channel / QPSK

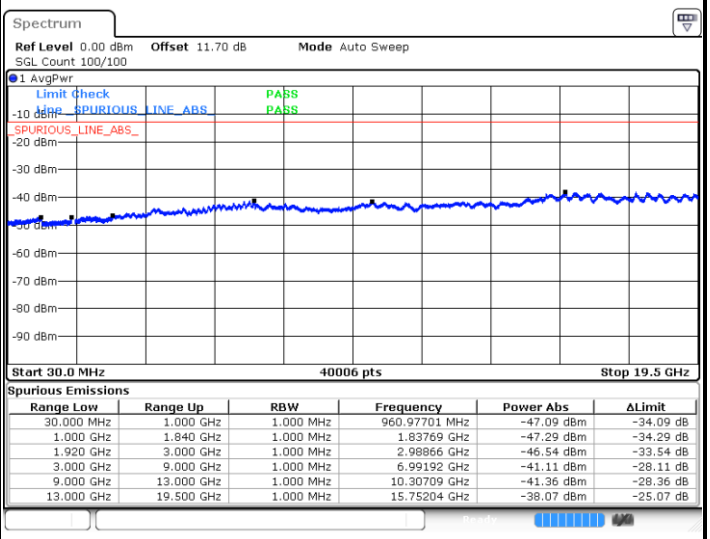


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-47.17 dBm	-34.17 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-47.45 dBm	-34.45 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99838 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.14 dBm	-28.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.27959 GHz	-41.25 dBm	-28.25 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76654 GHz	-37.97 dBm	-24.97 dB

Date: 3.AUG.2017 15:16:46

Lowest Channel / 16QAM

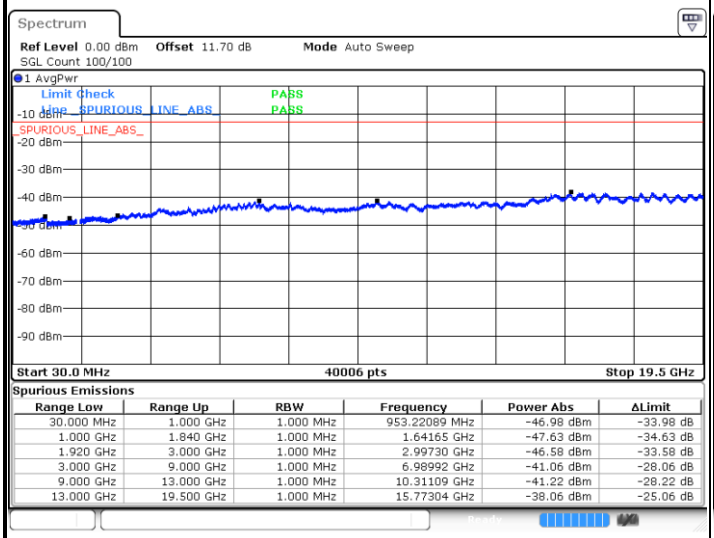


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-47.09 dBm	-34.09 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-47.29 dBm	-34.29 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98866 GHz	-46.54 dBm	-33.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-41.11 dBm	-28.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30709 GHz	-41.36 dBm	-28.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75204 GHz	-38.07 dBm	-25.07 dB

Date: 3.AUG.2017 15:17:40

Middle Channel / QPSK

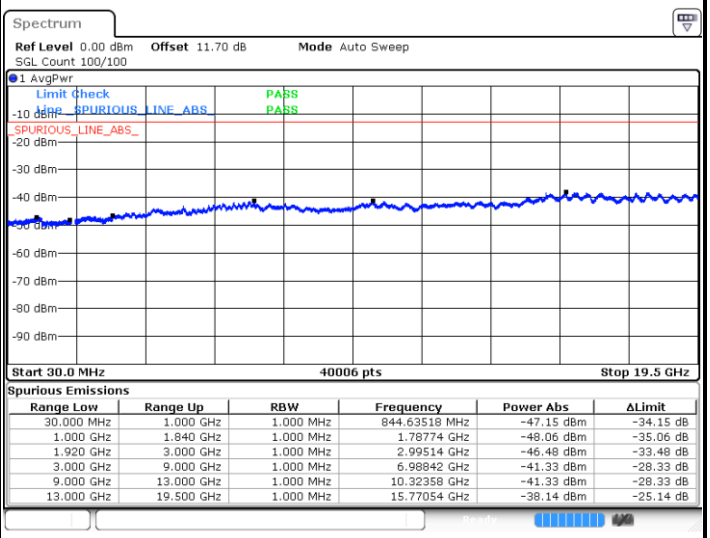


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-46.98 dBm	-33.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64165 GHz	-47.63 dBm	-34.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99730 GHz	-46.58 dBm	-33.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-41.06 dBm	-28.06 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31109 GHz	-41.22 dBm	-28.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77304 GHz	-38.06 dBm	-25.06 dB

Date: 3.AUG.2017 15:19:14

Middle Channel / 16QAM



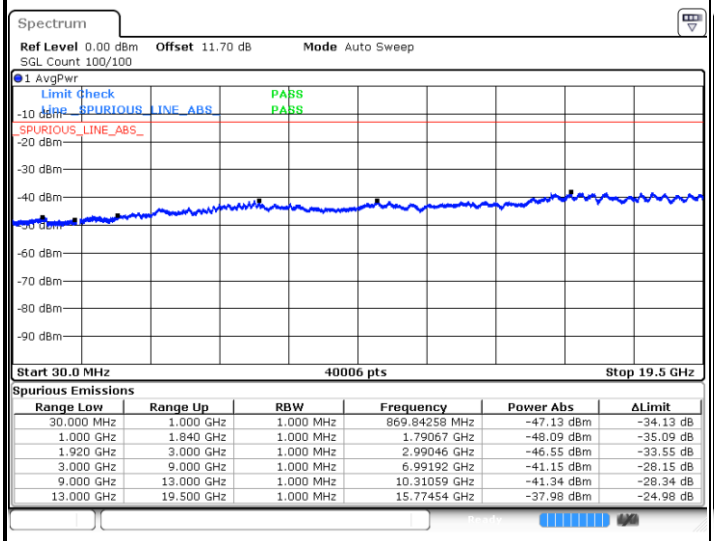
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	844.63518 MHz	-47.15 dBm	-34.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78774 GHz	-48.06 dBm	-35.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99514 GHz	-46.48 dBm	-33.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-41.33 dBm	-28.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32358 GHz	-41.33 dBm	-28.33 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77054 GHz	-38.14 dBm	-25.14 dB

Date: 3.AUG.2017 15:20:08

LTE Band 2 / 15MHz

Highest Channel / QPSK

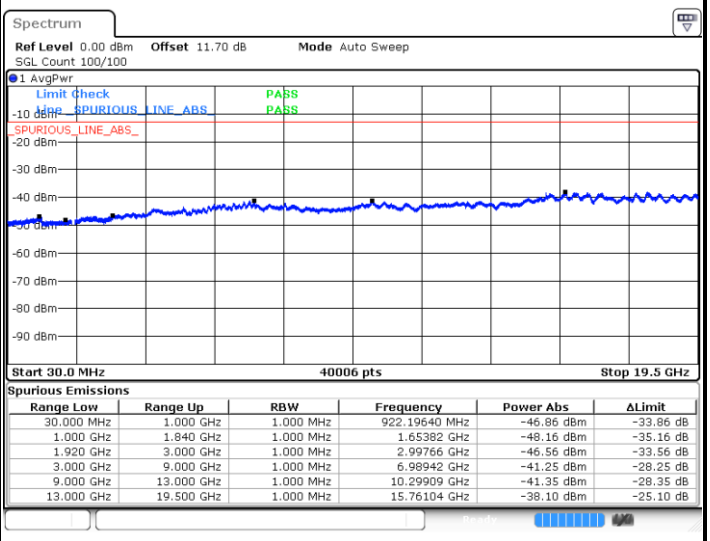


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	869.84258 MHz	-47.13 dBm	-34.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79067 GHz	-48.09 dBm	-35.09 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99046 GHz	-46.55 dBm	-33.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-41.15 dBm	-28.15 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31059 GHz	-41.34 dBm	-28.34 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77454 GHz	-37.98 dBm	-24.98 dB

Date: 3.AUG.2017 15:26:17

Highest Channel / 16QAM



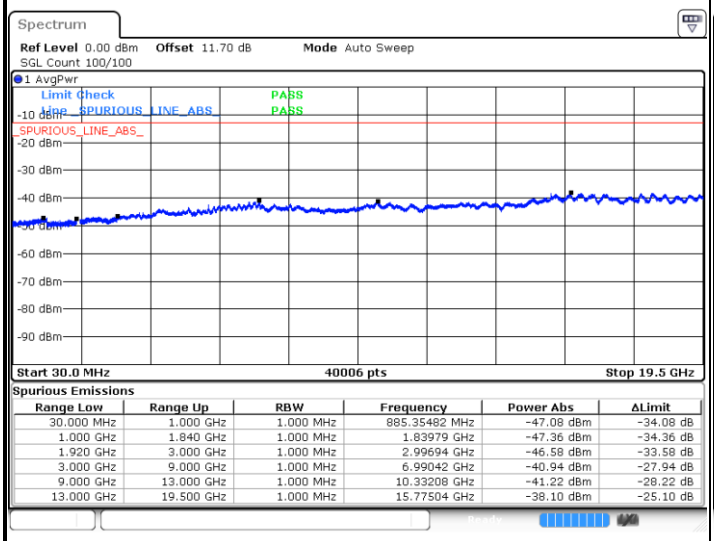
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.19640 MHz	-46.86 dBm	-33.86 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65382 GHz	-48.16 dBm	-35.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99766 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-41.25 dBm	-28.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29909 GHz	-41.35 dBm	-28.35 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76104 GHz	-38.10 dBm	-25.10 dB

Date: 3.AUG.2017 15:27:11

LTE Band 2 / 20MHz

Lowest Channel / QPSK

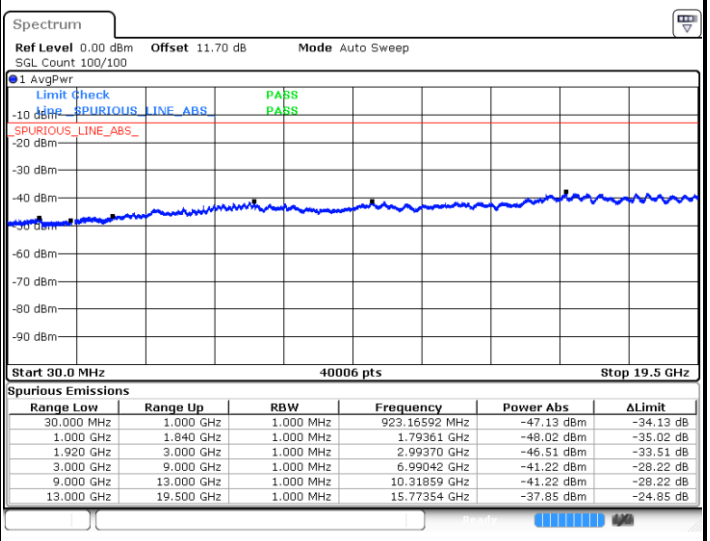


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	885.35482 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-47.36 dBm	-34.36 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99694 GHz	-46.58 dBm	-33.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-40.94 dBm	-27.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33208 GHz	-41.22 dBm	-28.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77504 GHz	-38.10 dBm	-25.10 dB

Date: 3.AUG.2017 15:33:20

Lowest Channel / 16QAM



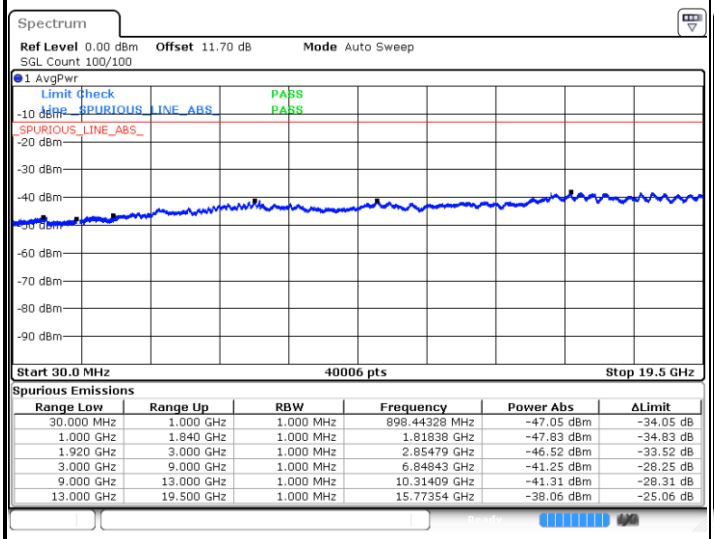
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.16592 MHz	-47.13 dBm	-34.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79361 GHz	-48.02 dBm	-35.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99370 GHz	-46.51 dBm	-33.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-41.22 dBm	-28.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31859 GHz	-41.22 dBm	-28.22 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77354 GHz	-37.85 dBm	-24.85 dB

Date: 3.AUG.2017 15:34:14

LTE Band 2 / 20MHz

Middle Channel / QPSK

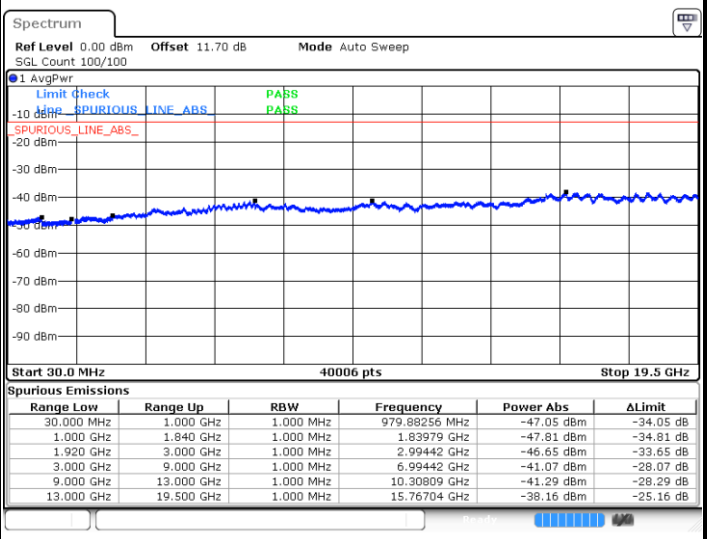


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.44328 MHz	-47.05 dBm	-34.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81838 GHz	-47.83 dBm	-34.83 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.85479 GHz	-46.52 dBm	-33.52 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84843 GHz	-41.25 dBm	-28.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31409 GHz	-41.31 dBm	-28.31 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77354 GHz	-38.06 dBm	-25.06 dB

Date: 3.AUG.2017 15:35:48

Middle Channel / 16QAM

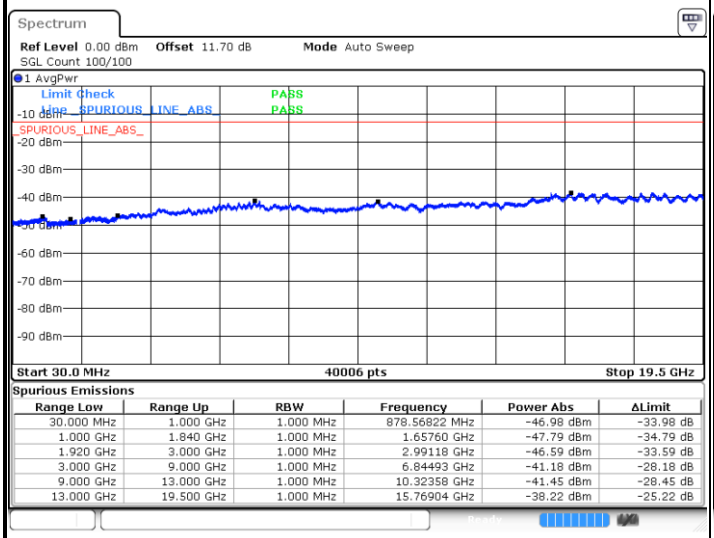


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-47.05 dBm	-34.05 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-47.81 dBm	-34.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99442 GHz	-46.65 dBm	-33.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99442 GHz	-41.07 dBm	-28.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30809 GHz	-41.29 dBm	-28.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76704 GHz	-38.16 dBm	-25.16 dB

Date: 3.AUG.2017 15:36:43

Highest Channel / QPSK

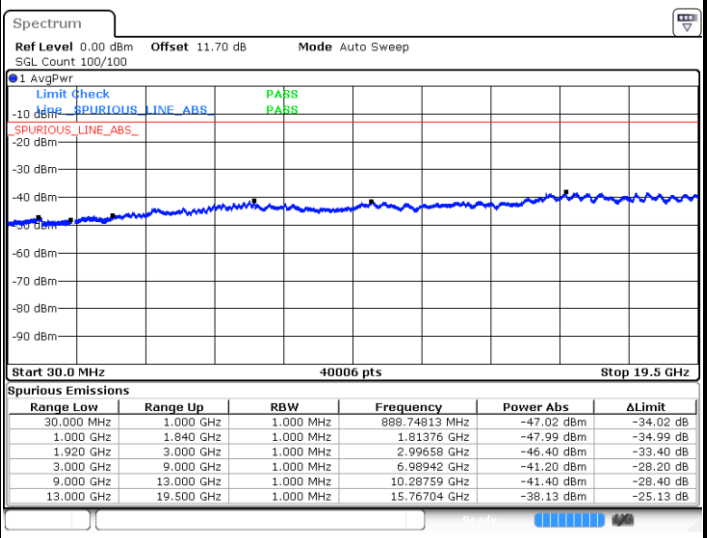


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	878.56822 MHz	-46.98 dBm	-33.98 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.65760 GHz	-47.79 dBm	-34.79 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99118 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84493 GHz	-41.18 dBm	-28.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32358 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76904 GHz	-38.22 dBm	-25.22 dB

Date: 3.AUG.2017 15:42:52

Highest Channel / 16QAM



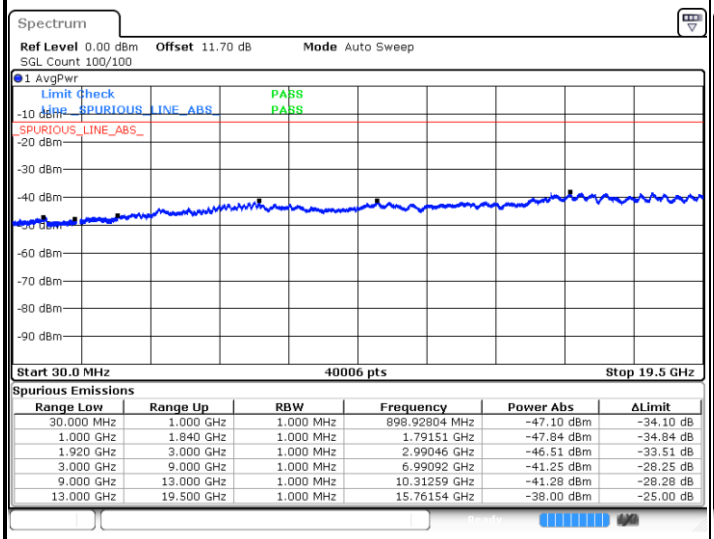
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-47.02 dBm	-34.02 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81376 GHz	-47.99 dBm	-34.99 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99658 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-41.20 dBm	-28.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.28759 GHz	-41.40 dBm	-28.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76704 GHz	-38.13 dBm	-25.13 dB

Date: 3.AUG.2017 15:43:46

LTE Band 2 / 1.4MHz

Lowest Channel / 64QAM

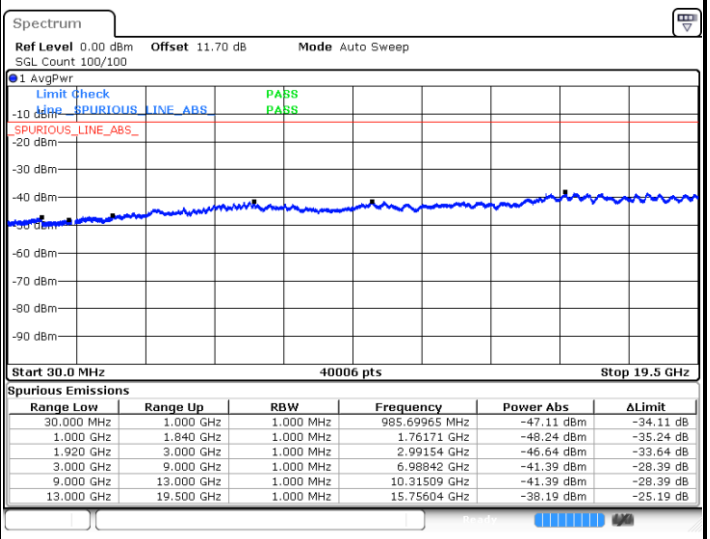


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.92804 MHz	-47.10 dBm	-34.10 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79151 GHz	-47.84 dBm	-34.84 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99046 GHz	-46.51 dBm	-33.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-41.25 dBm	-28.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31259 GHz	-41.28 dBm	-28.28 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76154 GHz	-38.00 dBm	-25.00 dB

Date: 6.OCT.2017 19:45:46

Middle Channel / 64QAM

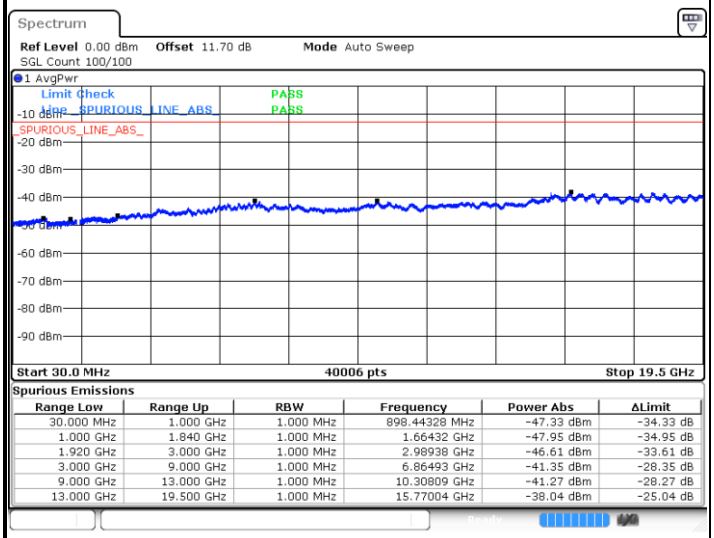


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.69965 MHz	-47.11 dBm	-34.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.76171 GHz	-48.24 dBm	-35.24 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99154 GHz	-46.64 dBm	-33.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-41.39 dBm	-28.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31509 GHz	-41.39 dBm	-28.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75604 GHz	-38.19 dBm	-25.19 dB

Date: 6.OCT.2017 19:47:00

Highest Channel / 64QAM



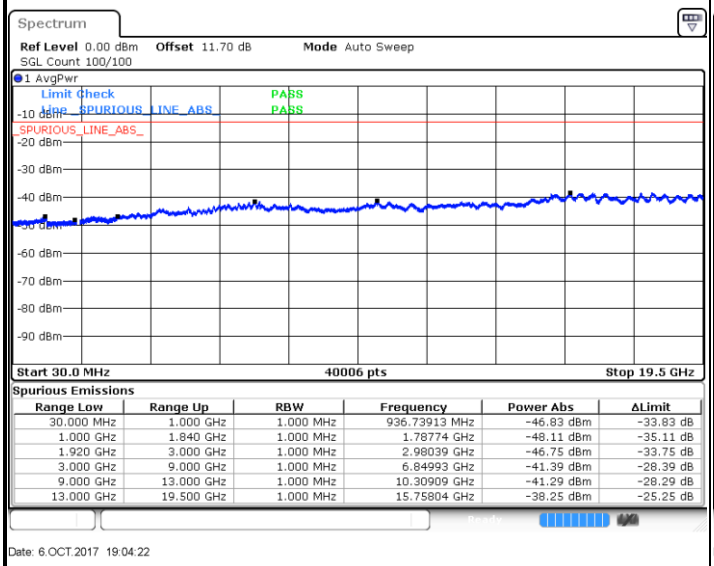
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	898.44328 MHz	-47.33 dBm	-34.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66432 GHz	-47.95 dBm	-34.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98938 GHz	-46.61 dBm	-33.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86493 GHz	-41.35 dBm	-28.35 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30809 GHz	-41.27 dBm	-28.27 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77004 GHz	-38.04 dBm	-25.04 dB

Date: 6.OCT.2017 19:50:31

LTE Band 2 / 3MHz

Lowest Channel / 64QAM

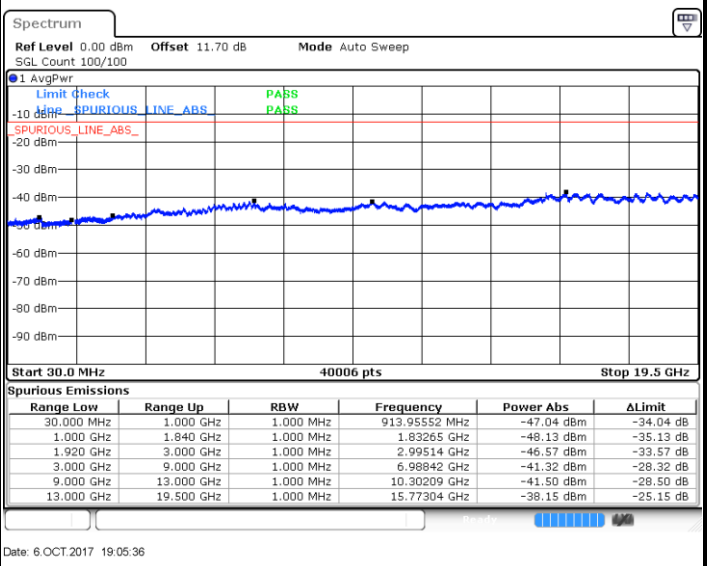


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-46.83 dBm	-33.83 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78774 GHz	-48.11 dBm	-35.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98039 GHz	-46.75 dBm	-33.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84993 GHz	-41.39 dBm	-28.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30909 GHz	-41.29 dBm	-28.29 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.75804 GHz	-38.25 dBm	-25.25 dB

Date: 6.OCT.2017 19:04:22

Middle Channel / 64QAM

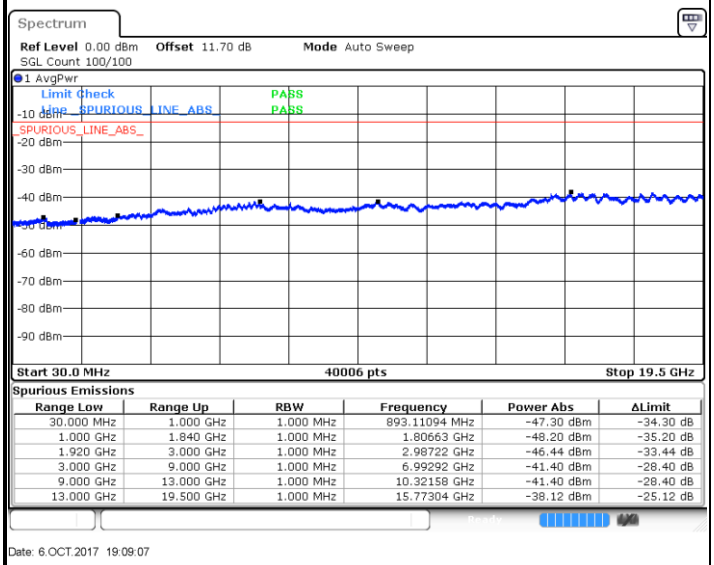


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83265 GHz	-48.13 dBm	-35.13 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99514 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-41.32 dBm	-28.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30209 GHz	-41.50 dBm	-28.50 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77304 GHz	-38.15 dBm	-25.15 dB

Date: 6.OCT.2017 19:05:36

Highest Channel / 64QAM



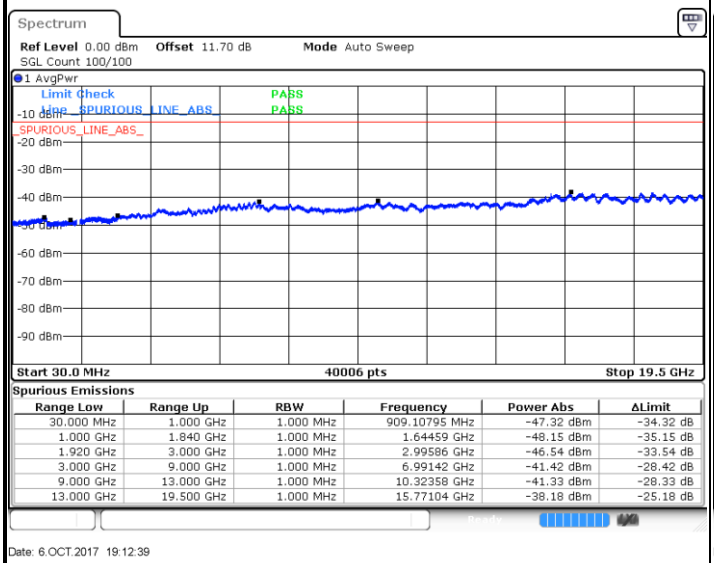
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-47.30 dBm	-34.30 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80663 GHz	-48.20 dBm	-35.20 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98722 GHz	-46.44 dBm	-33.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99292 GHz	-41.40 dBm	-28.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32158 GHz	-41.40 dBm	-28.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77304 GHz	-38.12 dBm	-25.12 dB

Date: 6.OCT.2017 19:09:07

LTE Band 2 / 5MHz

Lowest Channel / 64QAM

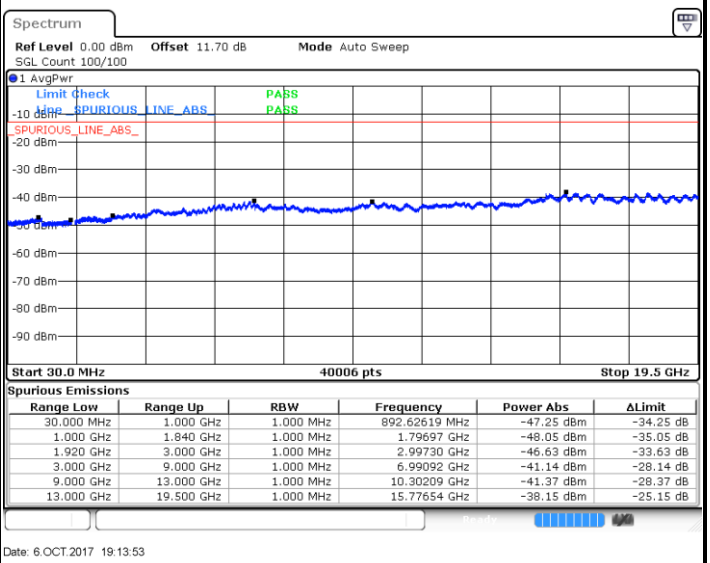


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	909.10795 MHz	-47.32 dBm	-34.32 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.64459 GHz	-48.15 dBm	-35.15 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99586 GHz	-46.54 dBm	-33.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99142 GHz	-41.42 dBm	-28.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32358 GHz	-41.33 dBm	-28.33 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77104 GHz	-38.18 dBm	-25.18 dB

Date: 6.OCT.2017 19:12:39

Middle Channel / 64QAM

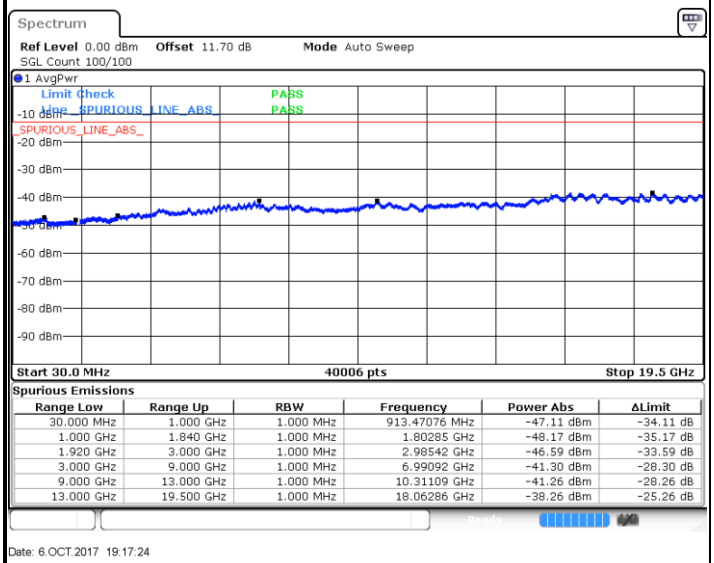


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-47.25 dBm	-34.25 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79697 GHz	-48.05 dBm	-35.05 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99730 GHz	-46.63 dBm	-33.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-41.14 dBm	-28.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30209 GHz	-41.37 dBm	-28.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77654 GHz	-38.15 dBm	-25.15 dB

Date: 6.OCT.2017 19:13:53

Highest Channel / 64QAM



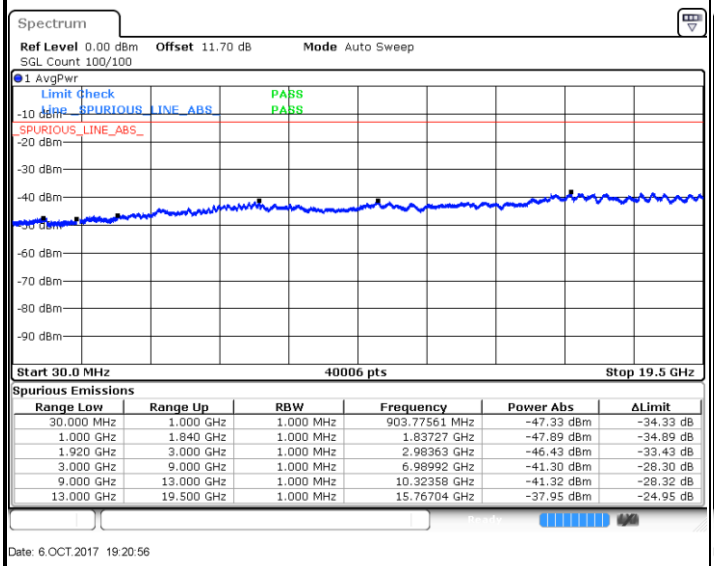
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.47076 MHz	-47.11 dBm	-34.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.80285 GHz	-48.17 dBm	-35.17 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98542 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99092 GHz	-41.30 dBm	-28.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31109 GHz	-41.26 dBm	-28.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.06286 GHz	-38.26 dBm	-25.26 dB

Date: 6.OCT.2017 19:17:24

LTE Band 2 / 10MHz

Lowest Channel / 64QAM

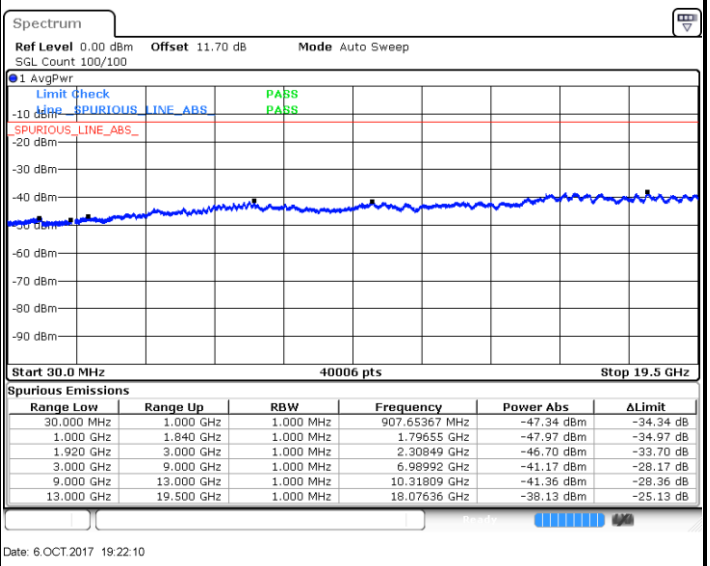


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	903.77561 MHz	-47.33 dBm	-34.33 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83727 GHz	-47.89 dBm	-34.89 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98363 GHz	-46.43 dBm	-33.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-41.30 dBm	-28.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32358 GHz	-41.32 dBm	-28.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76704 GHz	-37.95 dBm	-24.95 dB

Date: 6.OCT.2017 19:20:56

Middle Channel / 64QAM

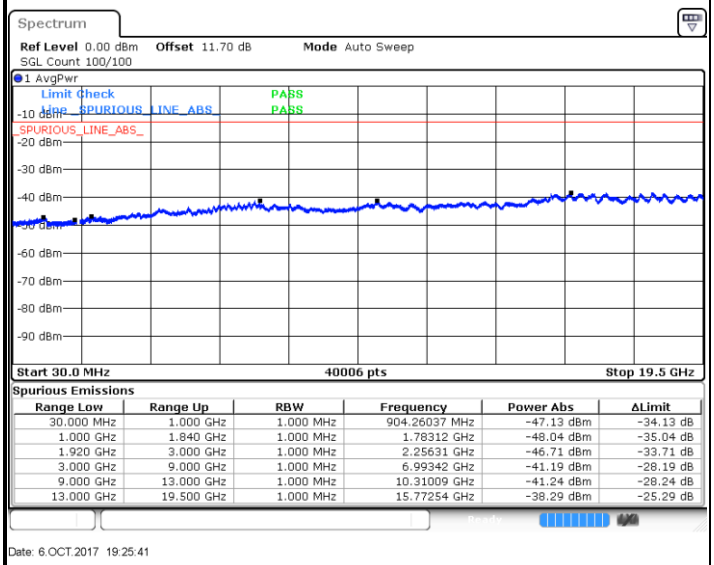


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	907.65367 MHz	-47.34 dBm	-34.34 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79655 GHz	-47.97 dBm	-34.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.30849 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98992 GHz	-41.17 dBm	-28.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31809 GHz	-41.36 dBm	-28.36 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.07636 GHz	-38.13 dBm	-25.13 dB

Date: 6.OCT.2017 19:22:10

Highest Channel / 64QAM



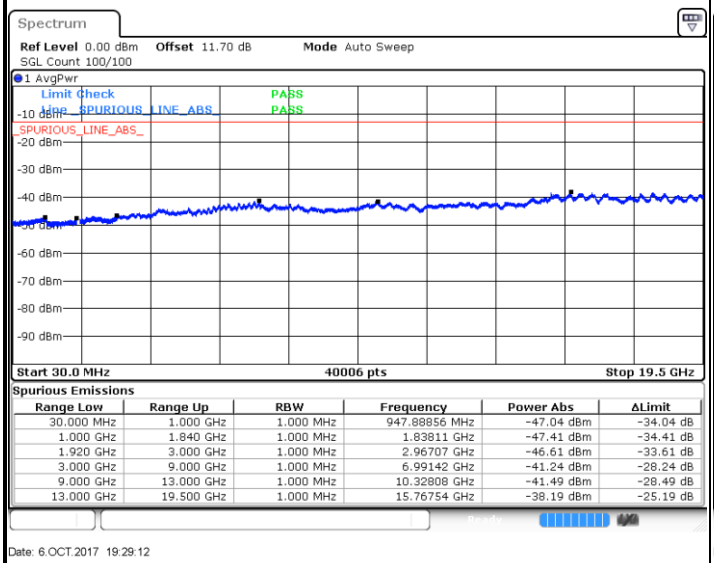
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-47.13 dBm	-34.13 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78312 GHz	-48.04 dBm	-35.04 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.25631 GHz	-46.71 dBm	-33.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-41.19 dBm	-28.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31009 GHz	-41.24 dBm	-28.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77254 GHz	-38.29 dBm	-25.29 dB

Date: 6.OCT.2017 19:25:41

LTE Band 2 / 15MHz

Lowest Channel / 64QAM

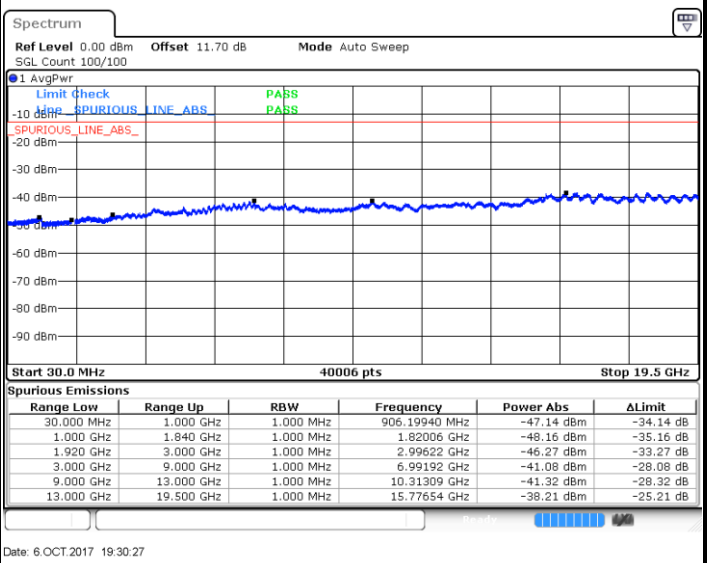


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-47.41 dBm	-34.41 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96707 GHz	-46.61 dBm	-33.61 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99142 GHz	-41.24 dBm	-28.24 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32808 GHz	-41.49 dBm	-28.49 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76754 GHz	-38.19 dBm	-25.19 dB

Date: 6.OCT.2017 19:29:12

Middle Channel / 64QAM

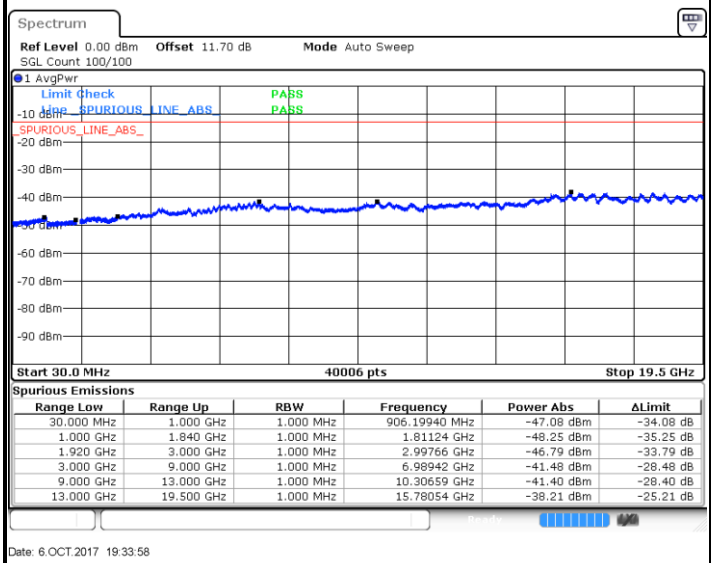


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.19940 MHz	-47.14 dBm	-34.14 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82006 GHz	-48.16 dBm	-35.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99622 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99192 GHz	-41.08 dBm	-28.08 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31309 GHz	-41.32 dBm	-28.32 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.77654 GHz	-38.21 dBm	-25.21 dB

Date: 6.OCT.2017 19:30:27

Highest Channel / 64QAM



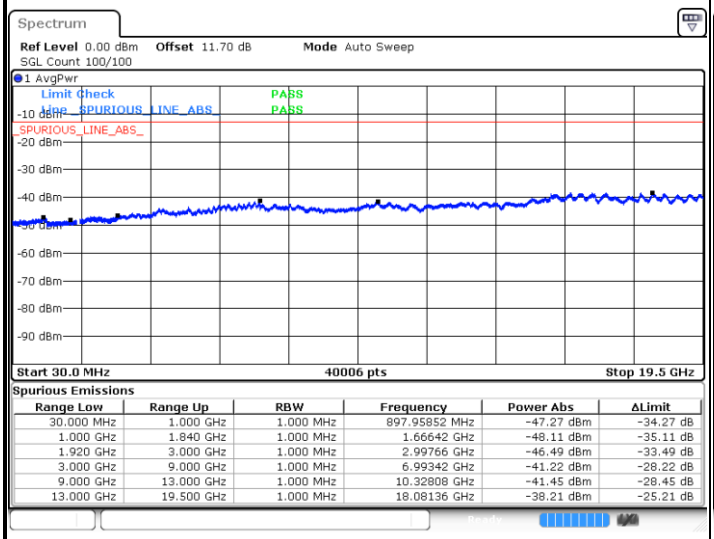
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.19940 MHz	-47.08 dBm	-34.08 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.81124 GHz	-48.25 dBm	-35.25 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99766 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98942 GHz	-41.48 dBm	-28.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30659 GHz	-41.40 dBm	-28.40 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.78054 GHz	-38.21 dBm	-25.21 dB

Date: 6.OCT.2017 19:33:58

LTE Band 2 / 20MHz

Lowest Channel / 64QAM

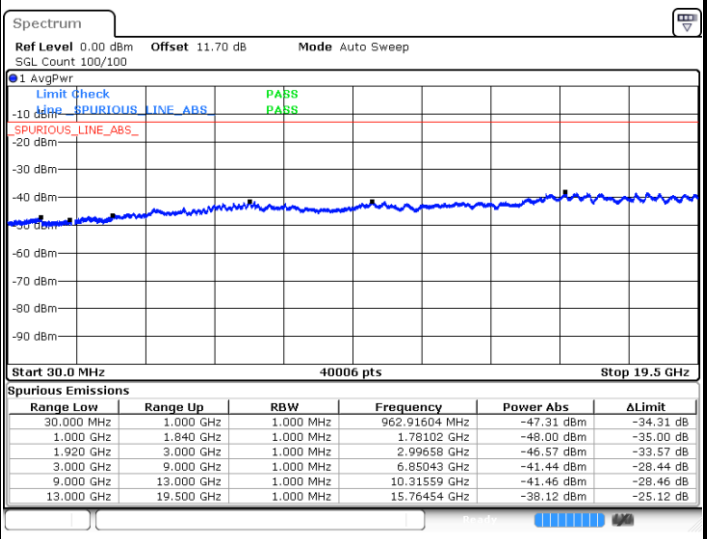


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.95852 MHz	-47.27 dBm	-34.27 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.66642 GHz	-48.11 dBm	-35.11 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99766 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-41.22 dBm	-28.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32808 GHz	-41.45 dBm	-28.45 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.08136 GHz	-38.21 dBm	-25.21 dB

Date: 6.OCT.2017 19:37:29

Middle Channel / 64QAM

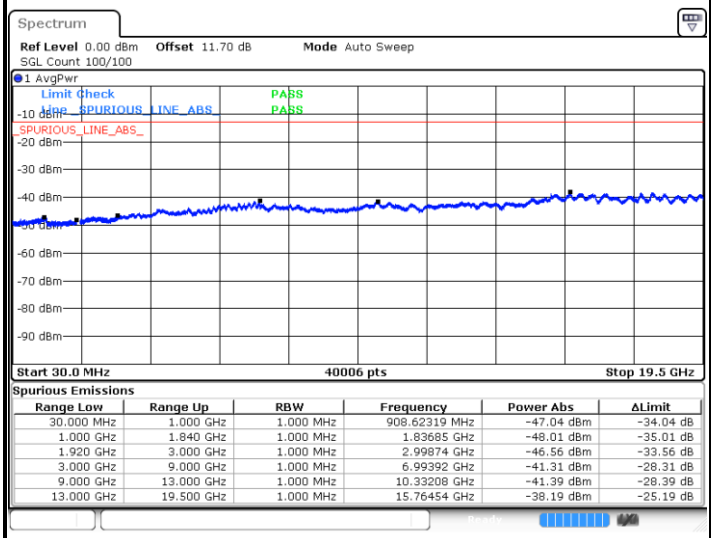


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.91604 MHz	-47.31 dBm	-34.31 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.78102 GHz	-48.00 dBm	-35.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99658 GHz	-46.57 dBm	-33.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85043 GHz	-41.44 dBm	-28.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31559 GHz	-41.46 dBm	-28.46 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76454 GHz	-38.12 dBm	-25.12 dB

Date: 6.OCT.2017 19:38:43

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	908.62319 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83685 GHz	-48.01 dBm	-35.01 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.99874 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99392 GHz	-41.31 dBm	-28.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.33208 GHz	-41.39 dBm	-28.39 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.76454 GHz	-38.19 dBm	-25.19 dB

Date: 6.OCT.2017 19:42:14

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	0.0009	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

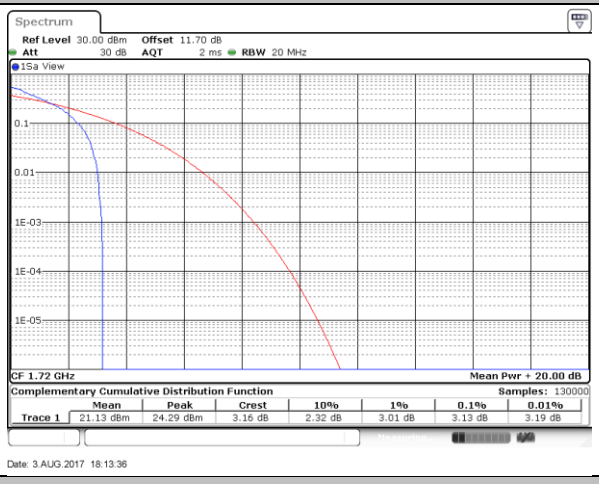
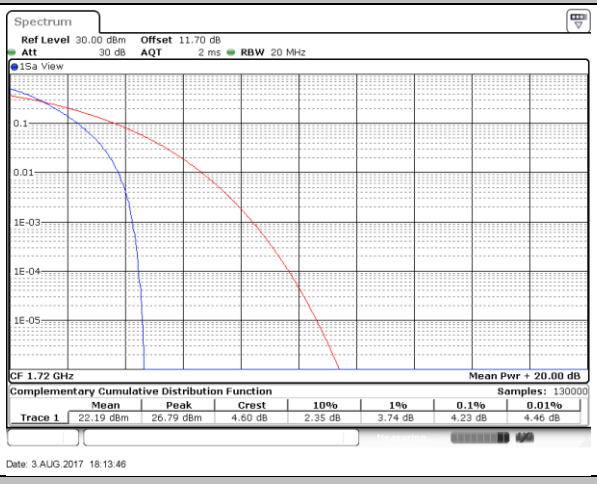
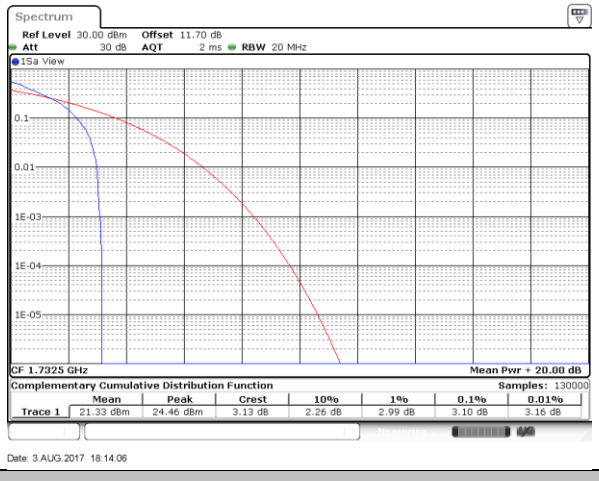
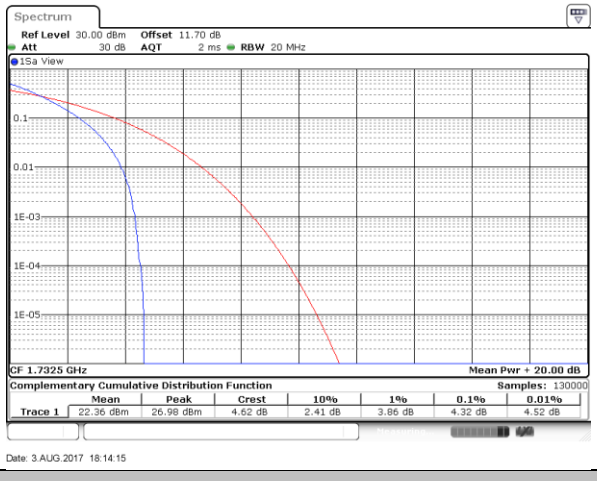
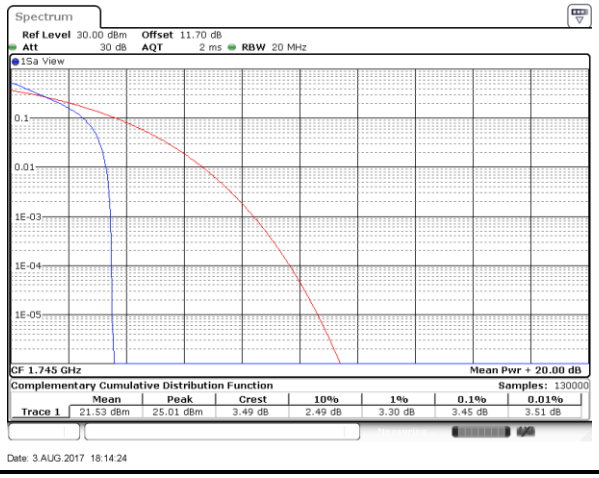
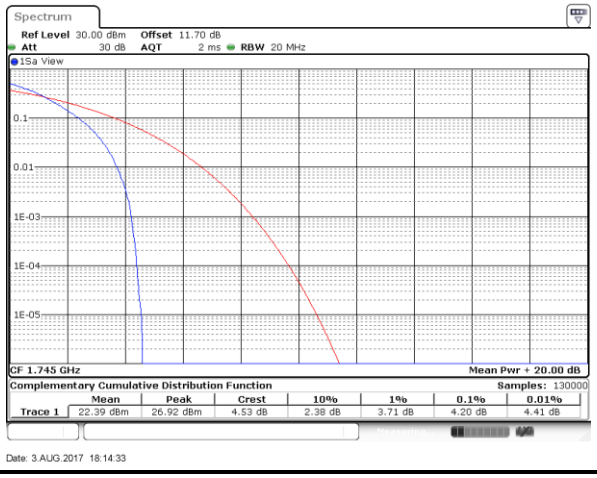
Note:

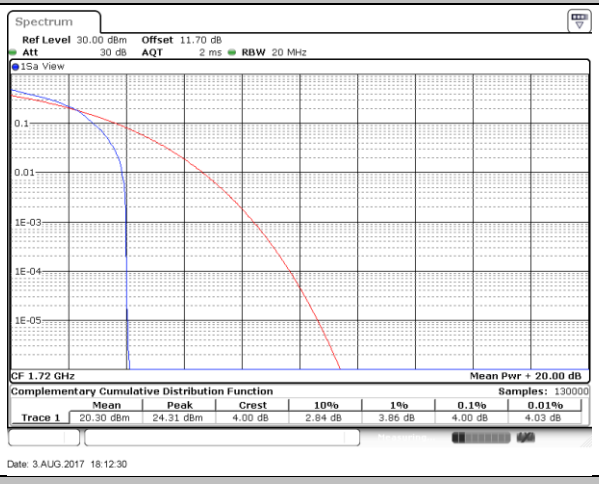
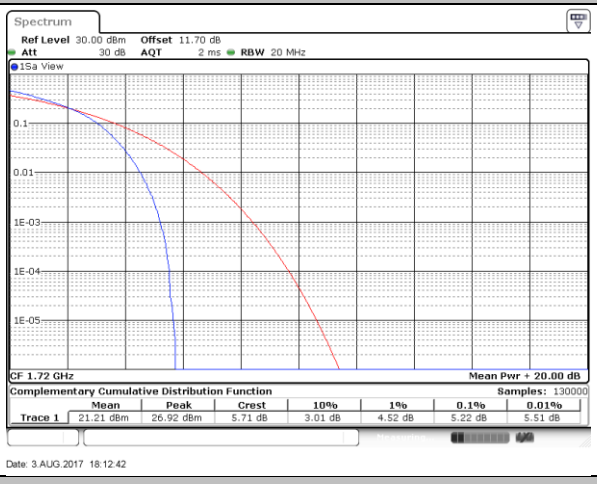
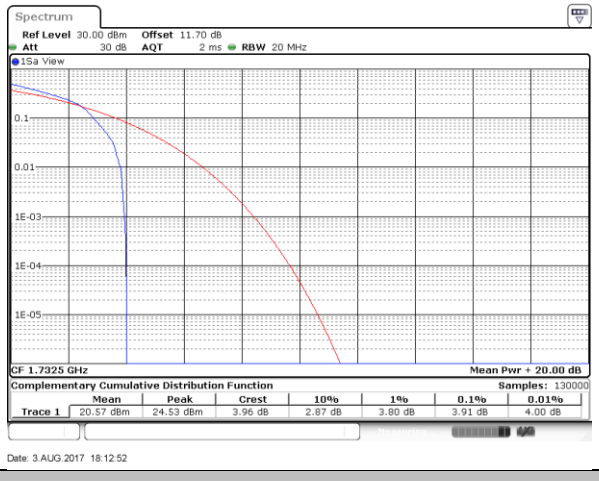
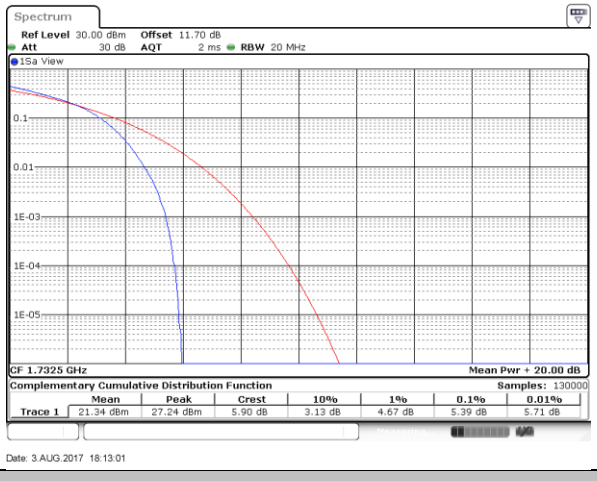
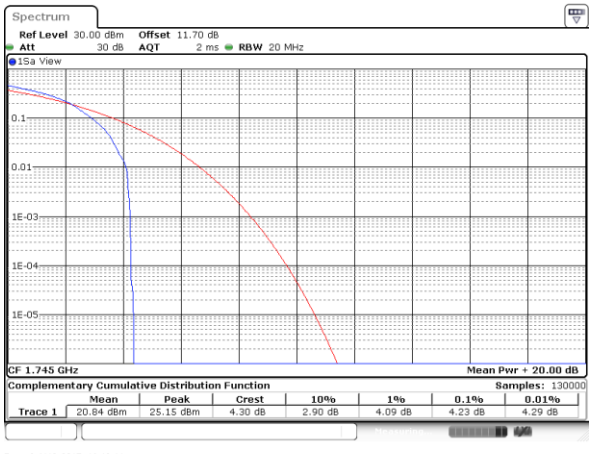
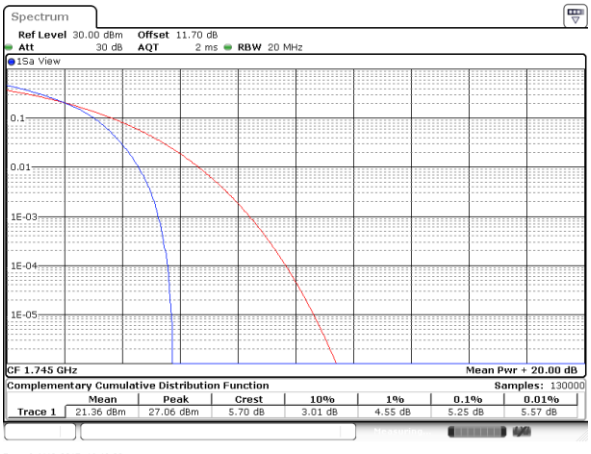
1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

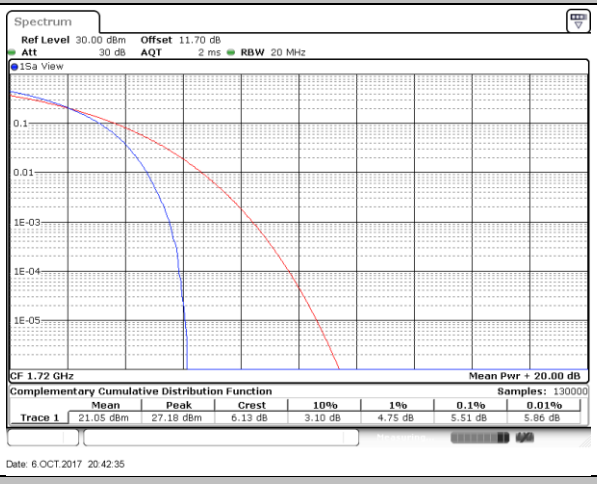
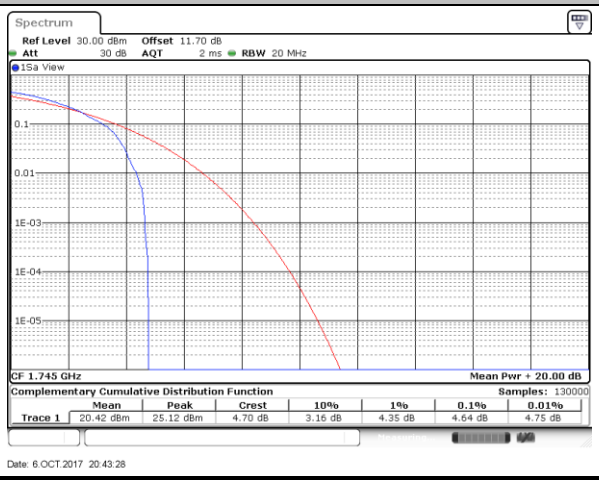
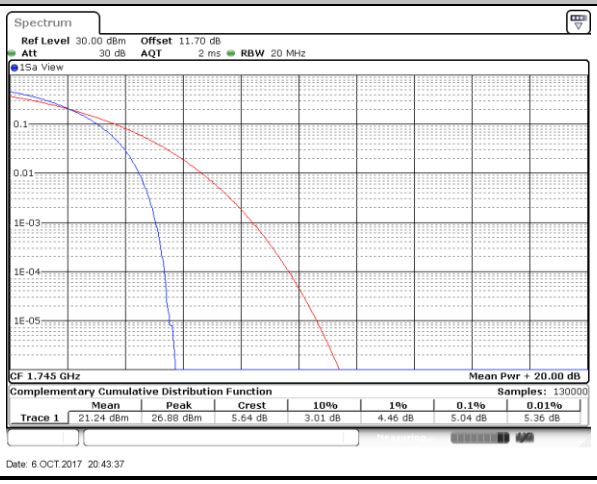
LTE Band 4

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	3.13	4.23	4	5.22	PASS
Middle CH	3.1	4.32	3.91	5.39	
Highest CH	3.45	4.2	4.23	5.25	
Mode	LTE Band 4 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	4.38	5.51	-	-	PASS
Middle CH	4.46	5.74	-	-	
Highest CH	4.64	5.04	-	-	

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**
	

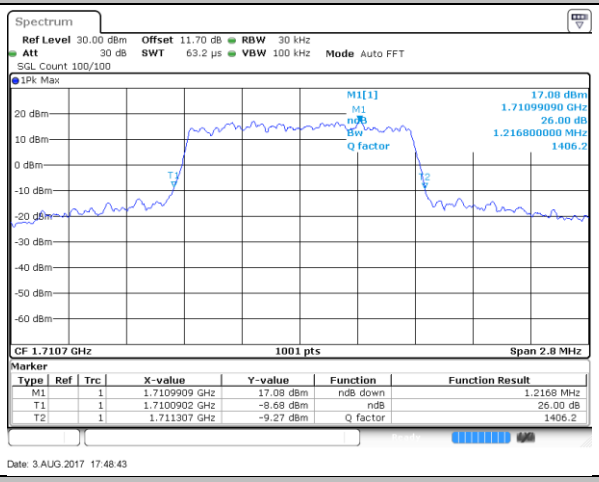
LTE Band 4 / 20MHz / 64QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
Highest Channel / 1RB	**Highest Channel / Full RB**
	

26dB Bandwidth

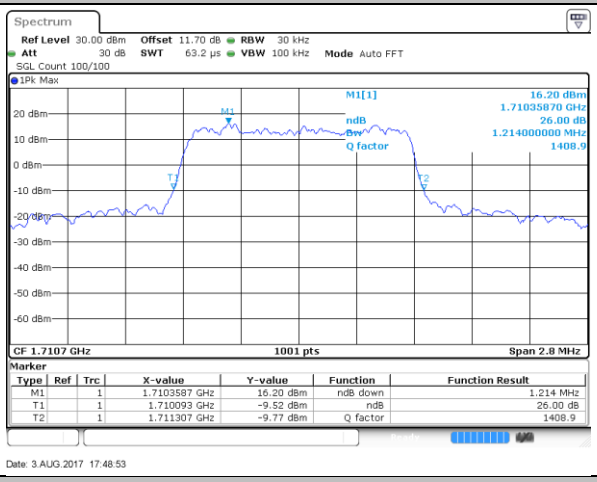
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.21	3.03	3.03	4.92	4.90	9.83	9.83	14.39	14.63	20.10	20.14
Middle CH	1.21	1.23	3.00	2.99	4.91	4.97	9.77	9.79	14.33	14.39	20.06	20.10
Highest CH	1.23	1.22	3.07	3.00	4.97	4.84	9.75	9.77	14.36	14.66	20.10	20.10
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	2.95	-	4.94	-	9.71	-	14.27	-	20.18	-
Middle CH	1.22	-	3.03	-	4.99	-	9.71	-	14.63	-	20.3	-
Highest CH	1.21	-	3.02	-	4.94	-	9.85	-	14.45	-	20.26	-

LTE Band 4

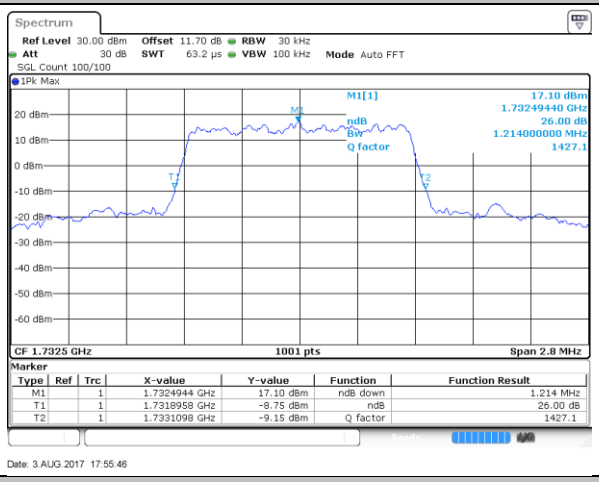
Lowest Channel / 1.4MHz / QPSK



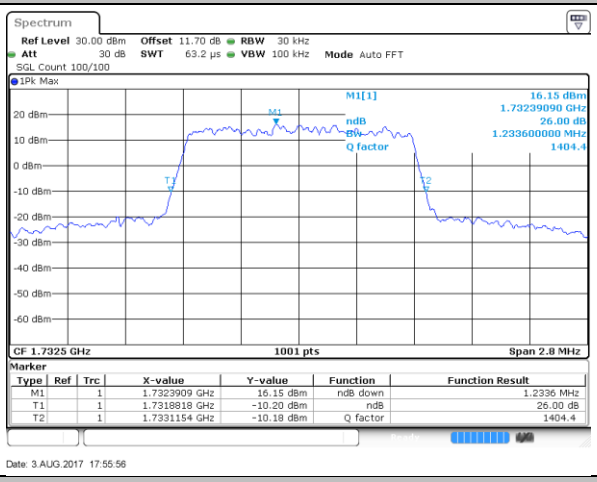
Lowest Channel / 1.4MHz / 16QAM



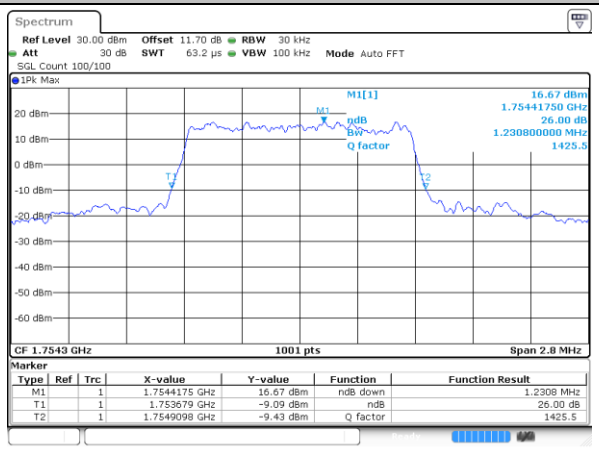
Middle Channel / 1.4MHz / QPSK



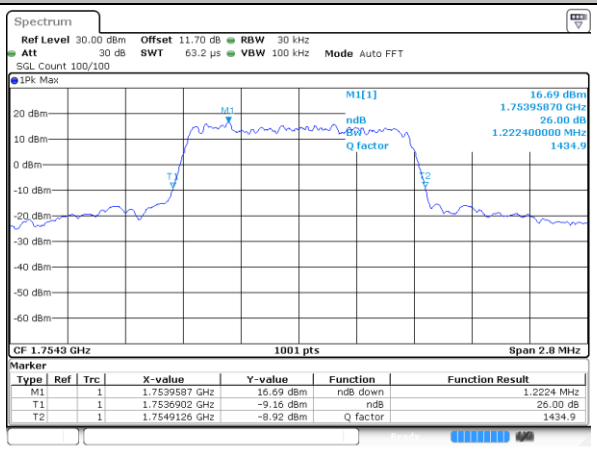
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

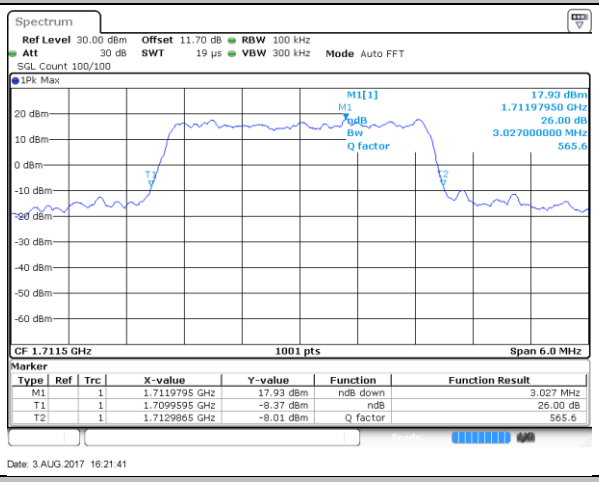


Highest Channel / 1.4MHz / 16QAM

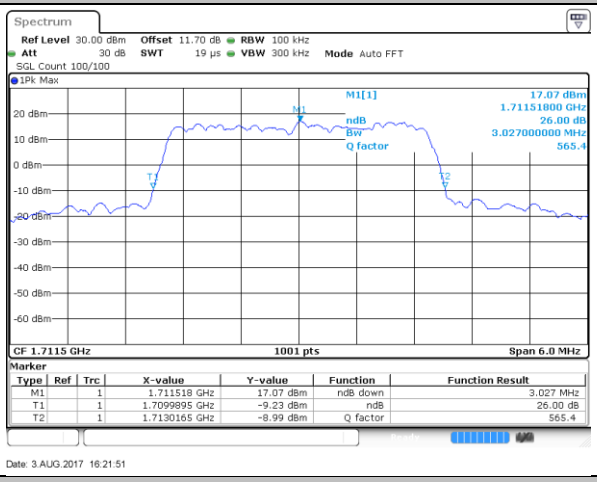


LTE Band 4

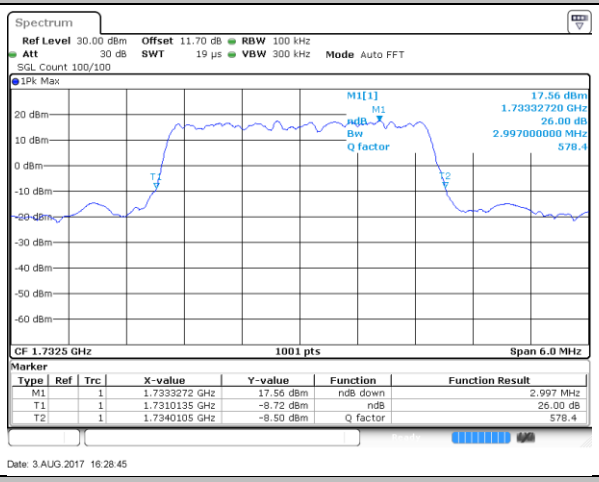
Lowest Channel / 3MHz / QPSK



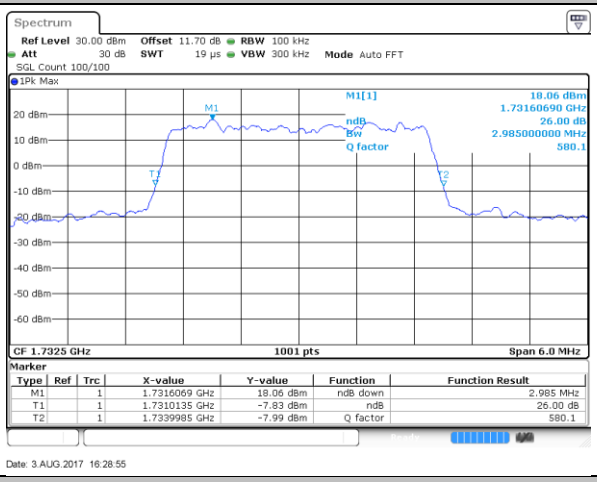
Lowest Channel / 3MHz / 16QAM



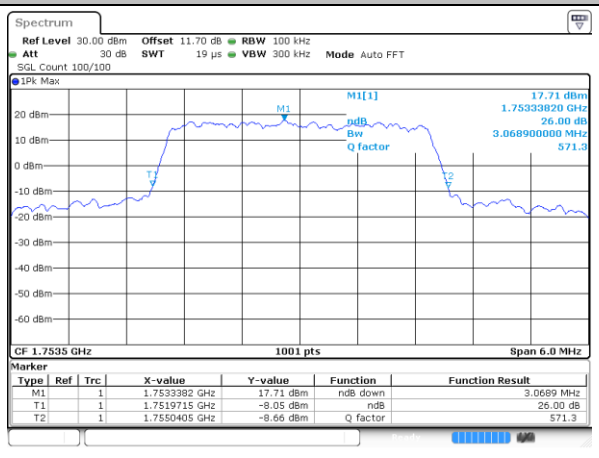
Middle Channel / 3MHz / QPSK



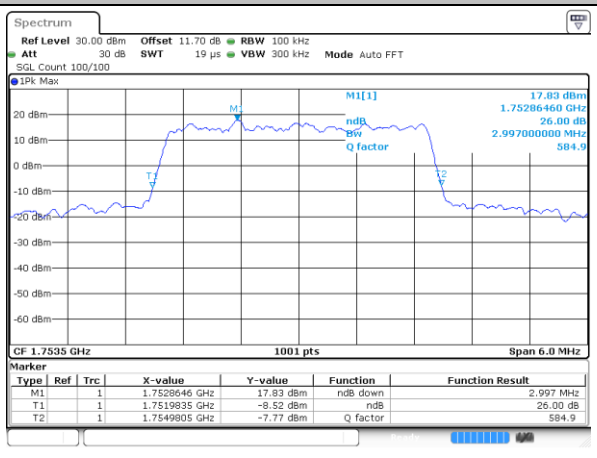
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

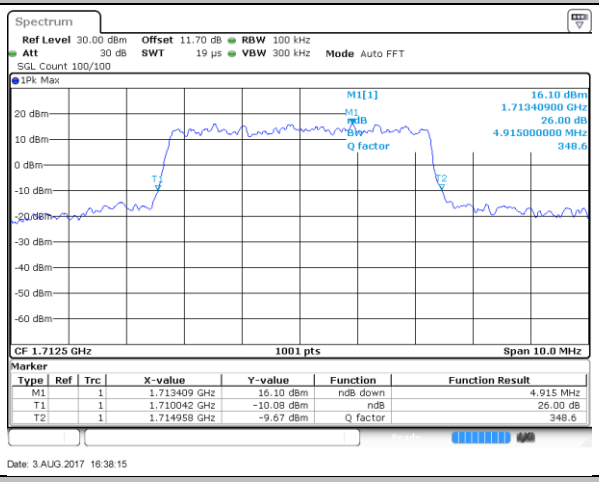


Highest Channel / 3MHz / 16QAM

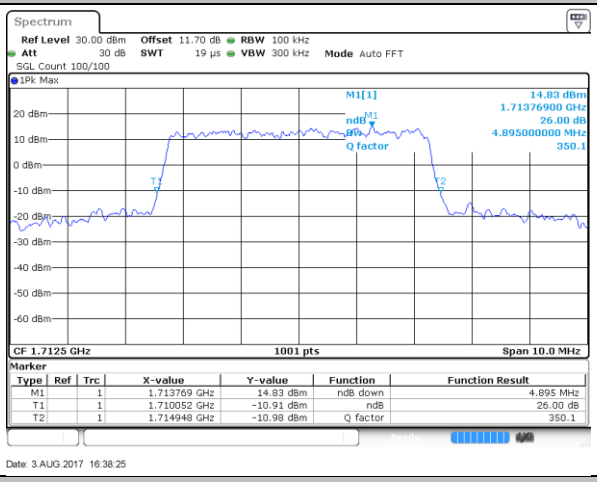


LTE Band 4

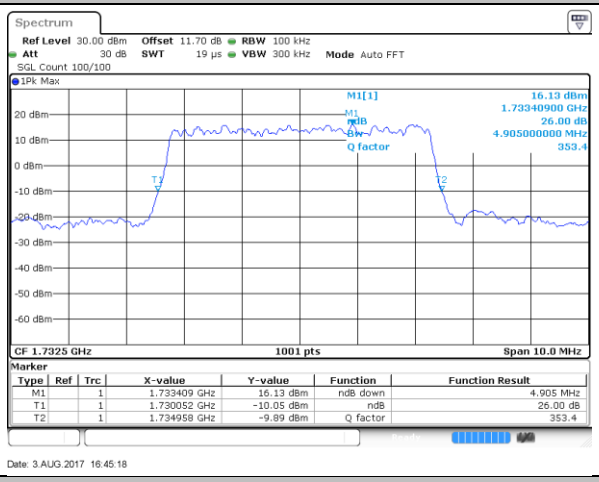
Lowest Channel / 5MHz / QPSK



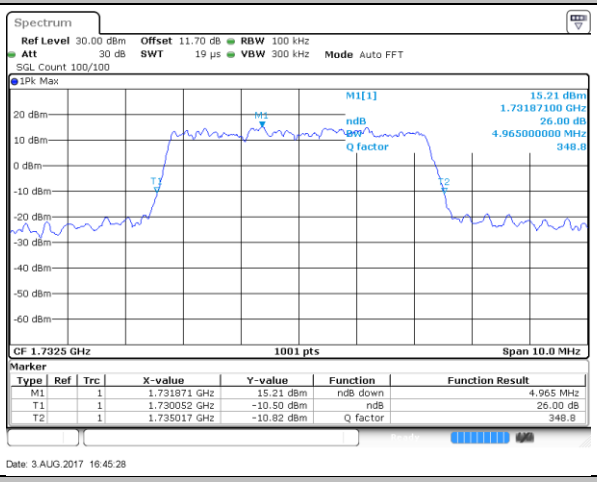
Lowest Channel / 5MHz / 16QAM



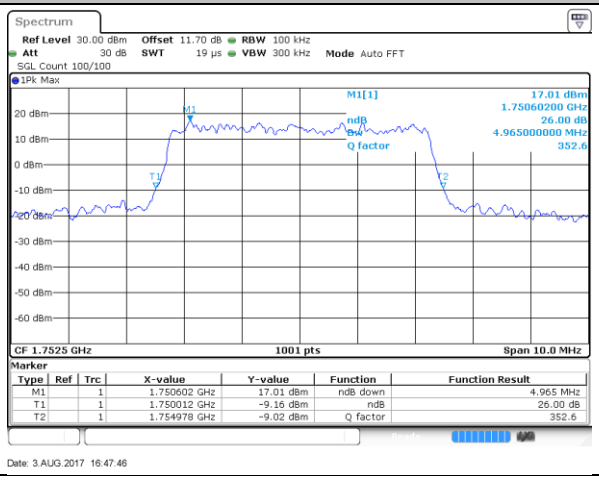
Middle Channel / 5MHz / QPSK



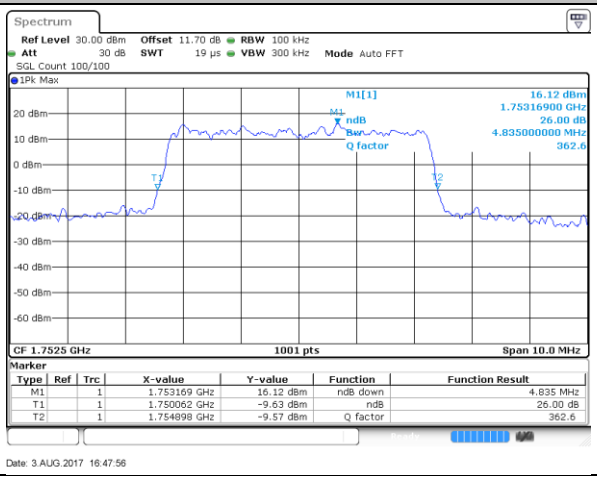
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

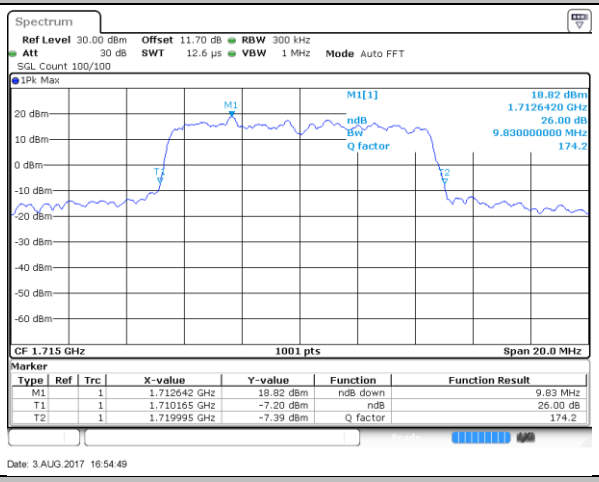


Highest Channel / 5MHz / 16QAM

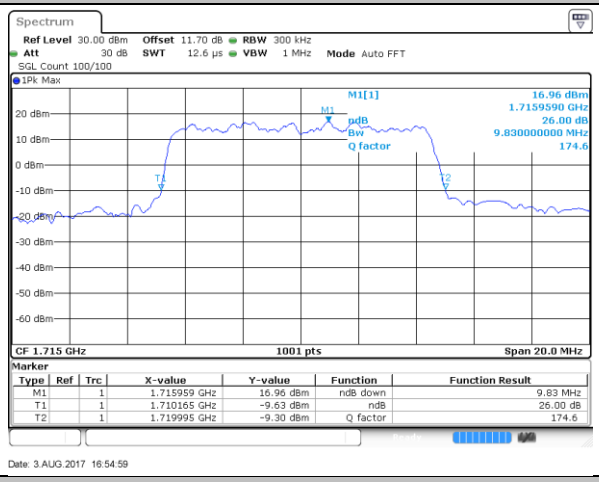


LTE Band 4

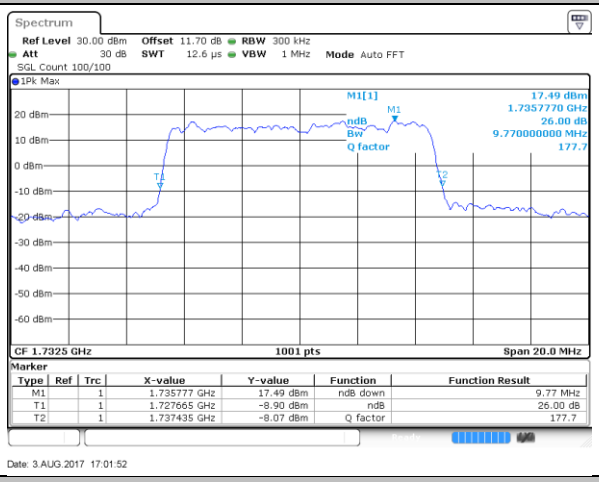
Lowest Channel / 10MHz / QPSK



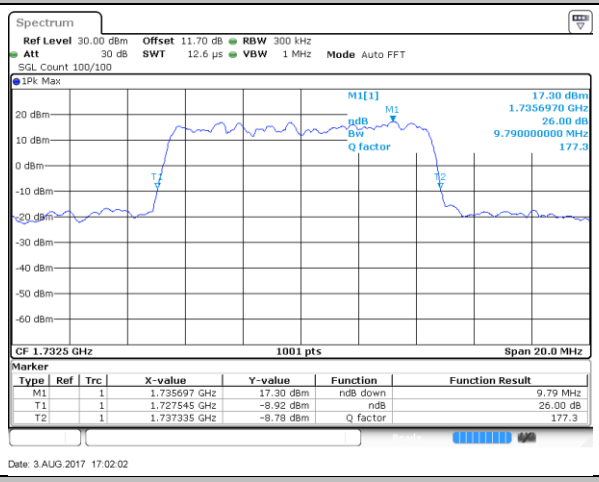
Lowest Channel / 10MHz / 16QAM



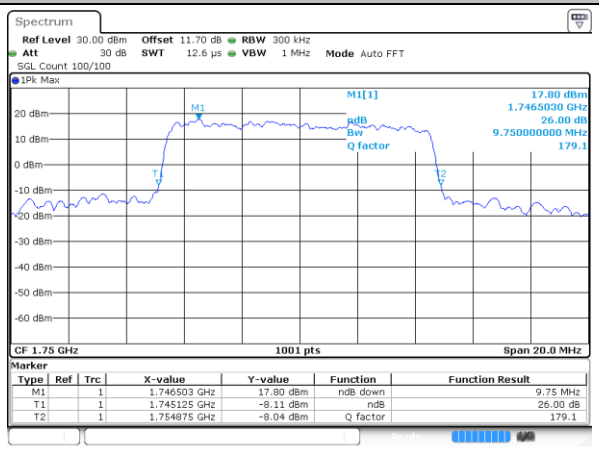
Middle Channel / 10MHz / QPSK



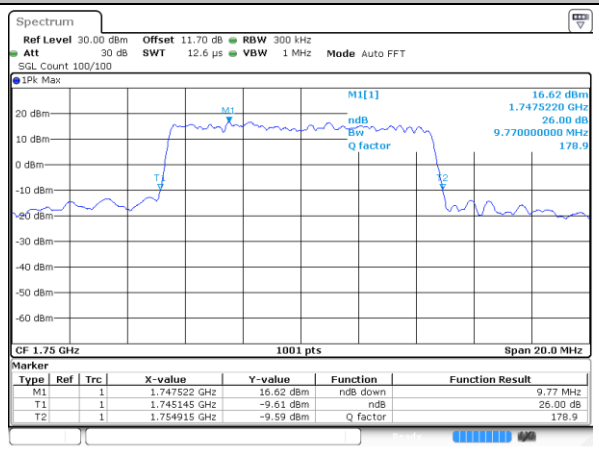
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

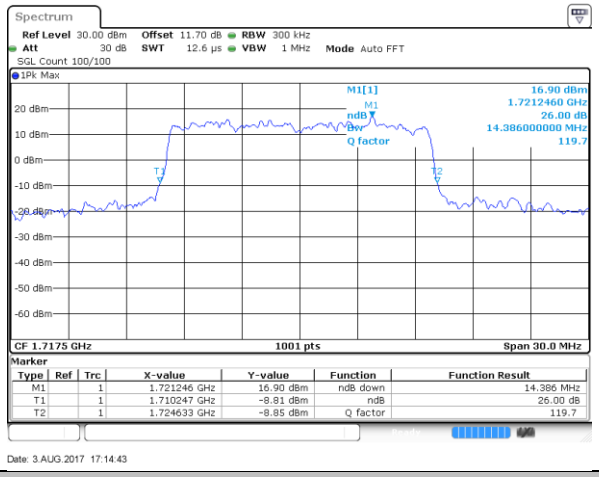


Highest Channel / 10MHz / 16QAM

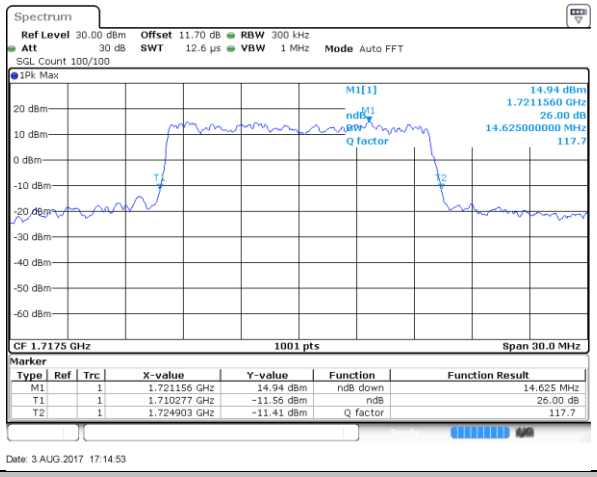


LTE Band 4

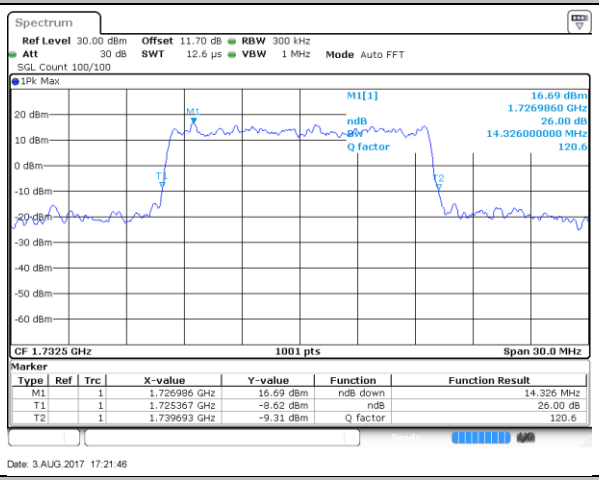
Lowest Channel / 15MHz / QPSK



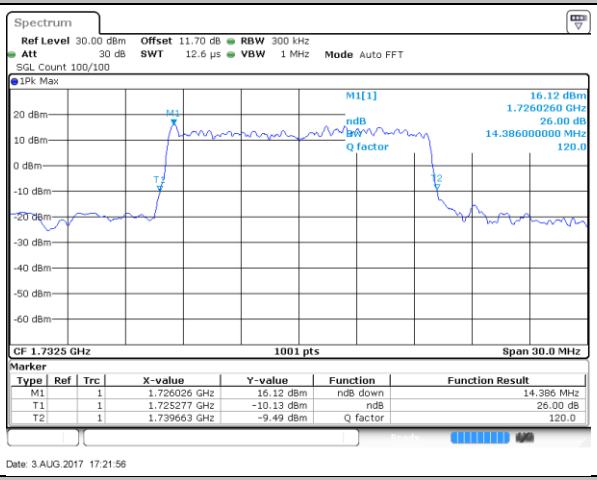
Lowest Channel / 15MHz / 16QAM



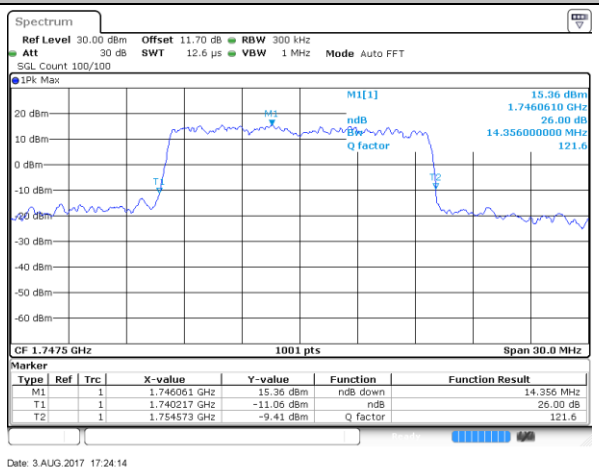
Middle Channel / 15MHz / QPSK



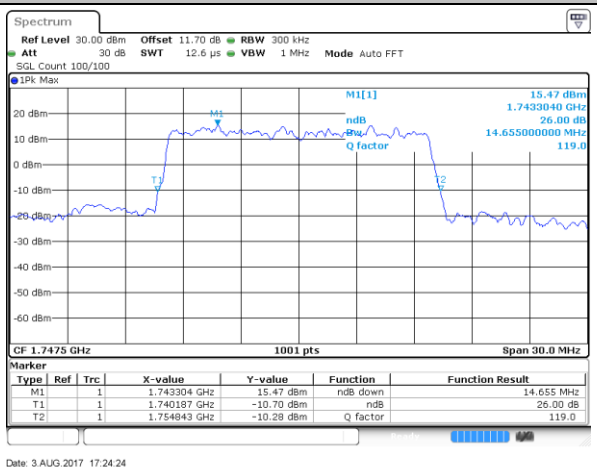
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

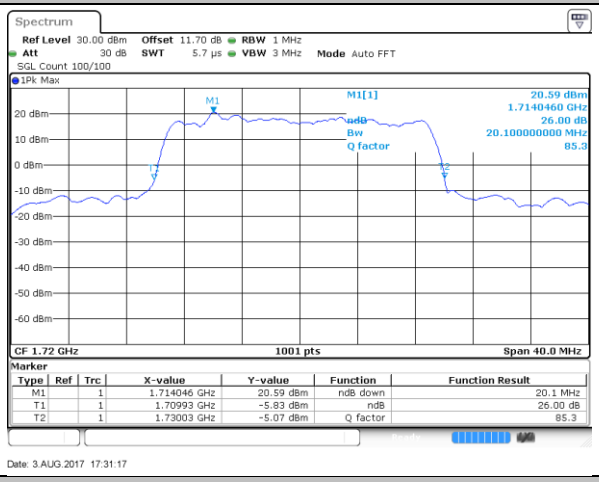


Highest Channel / 15MHz / 16QAM

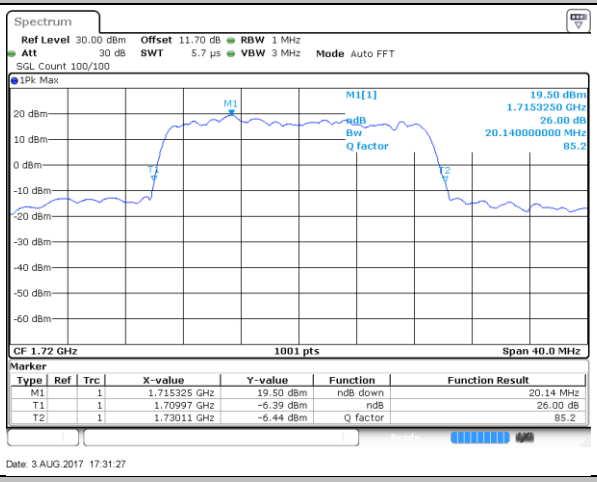


LTE Band 4

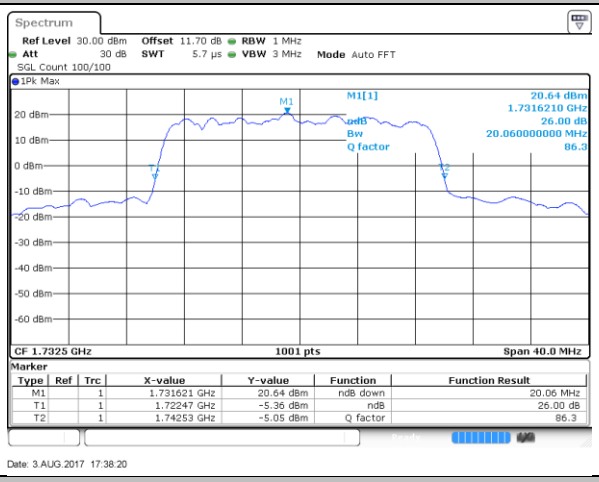
Lowest Channel / 20MHz / QPSK



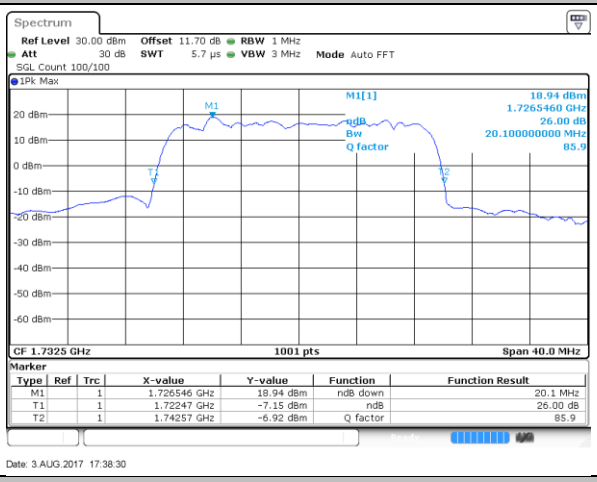
Lowest Channel / 20MHz / 16QAM



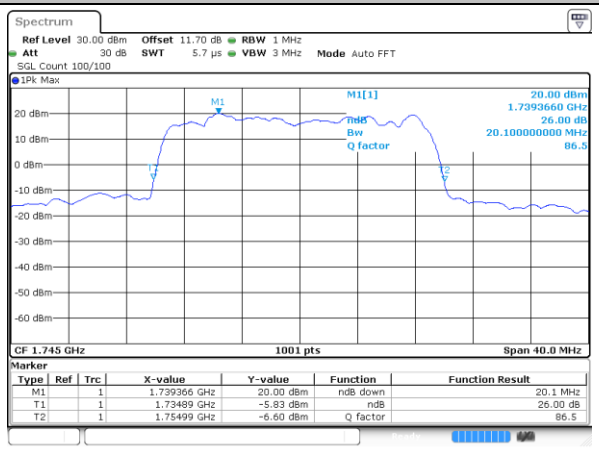
Middle Channel / 20MHz / QPSK



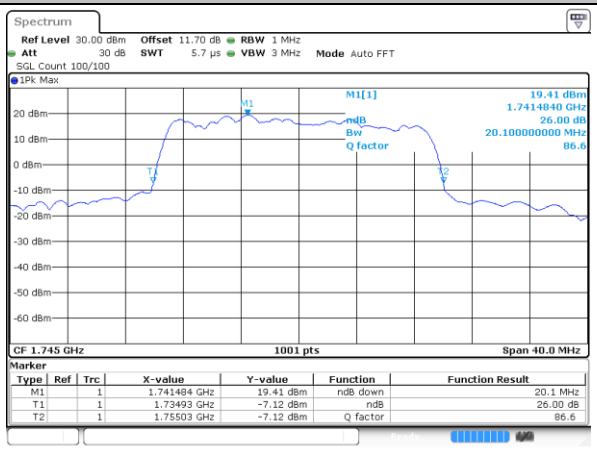
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK

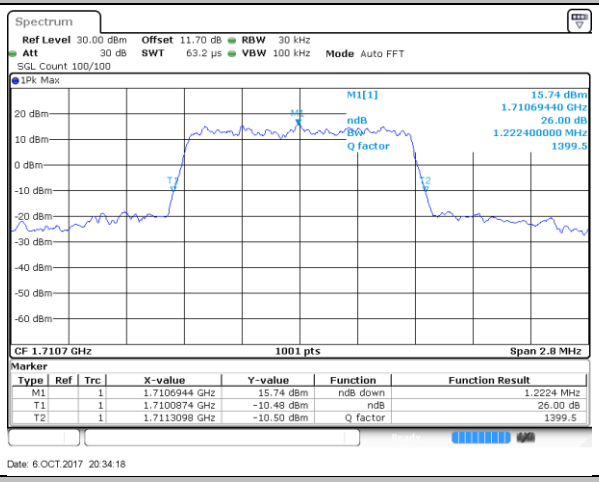


Highest Channel / 20MHz / 16QAM

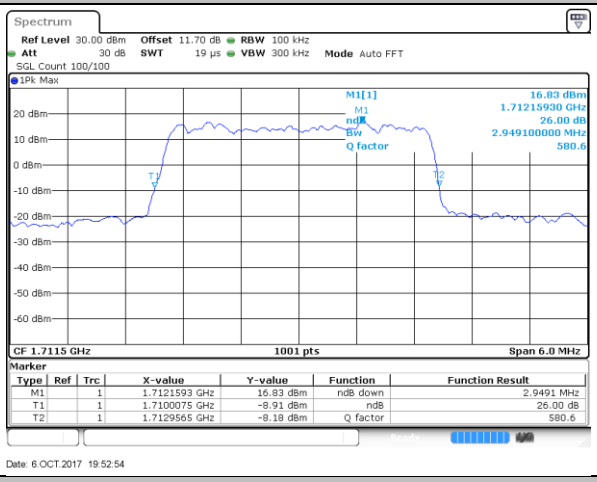


LTE Band 4

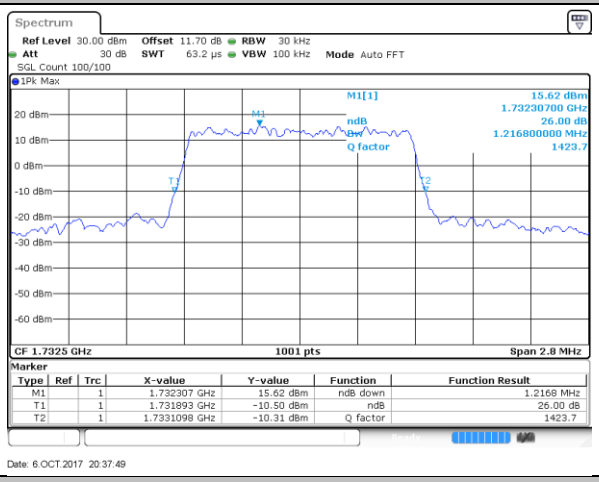
Lowest Channel / 1.4MHz / 64QAM



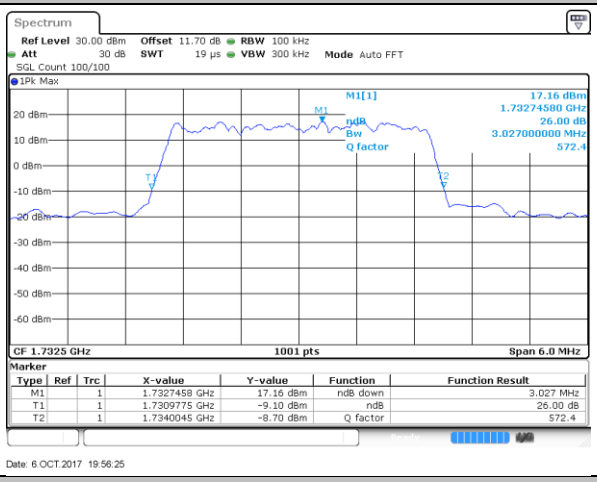
Lowest Channel / 3MHz / 64QAM



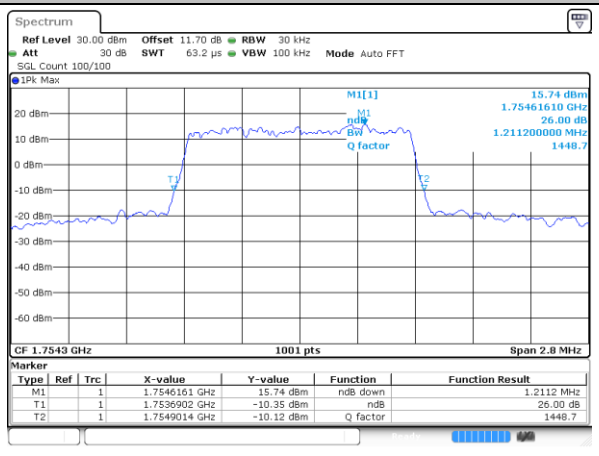
Middle Channel / 1.4MHz / 64QAM



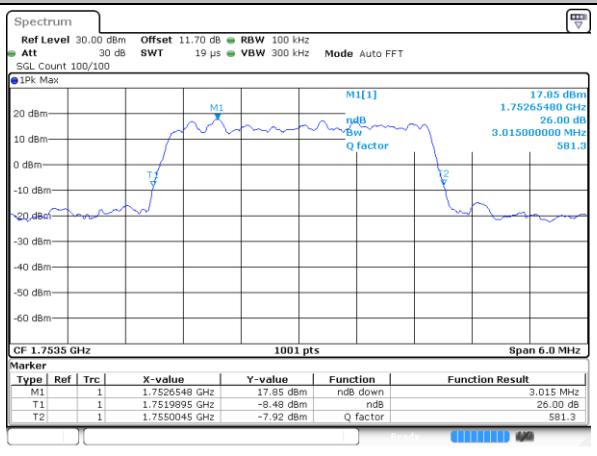
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

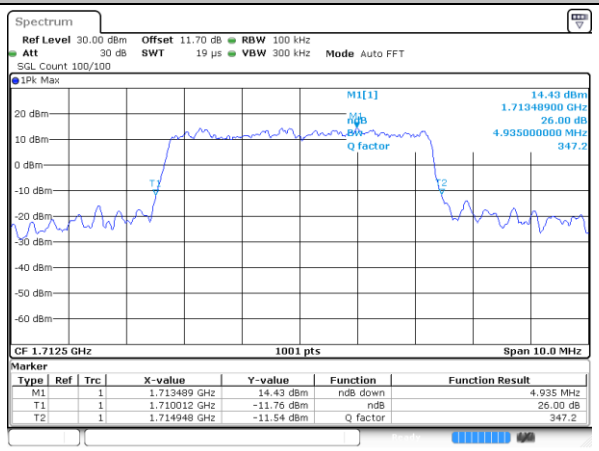


Highest Channel / 3MHz / 64QAM

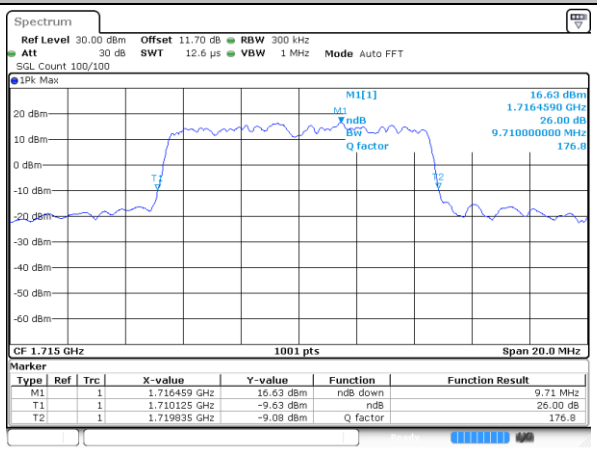


LTE Band 4

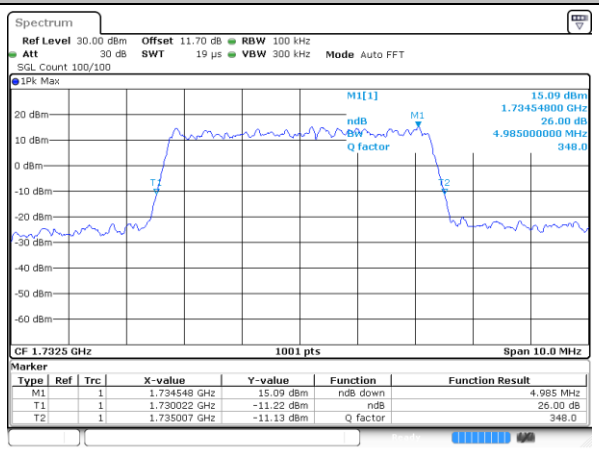
Lowest Channel / 5MHz / 64QAM



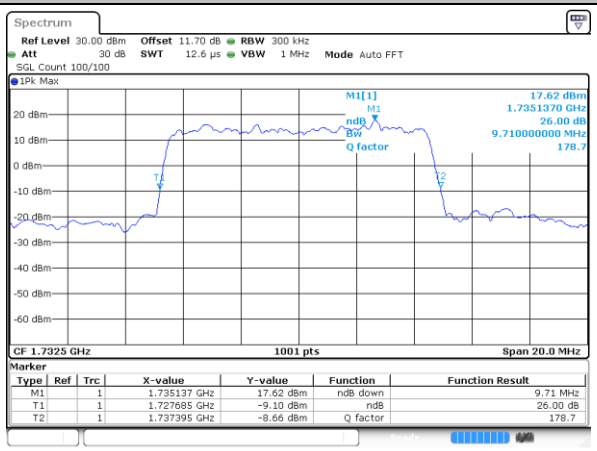
Lowest Channel / 10MHz / 64QAM



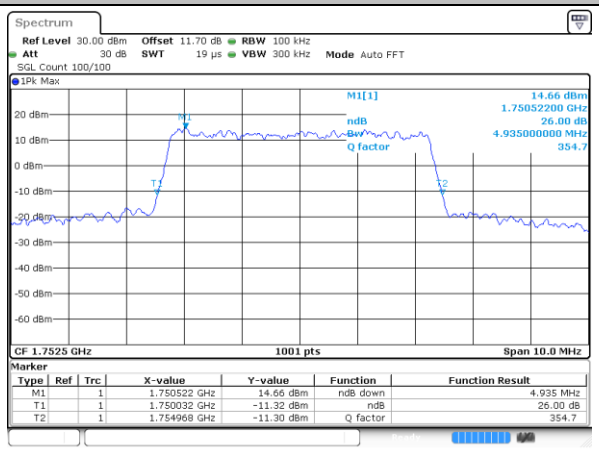
Middle Channel / 5MHz / 64QAM



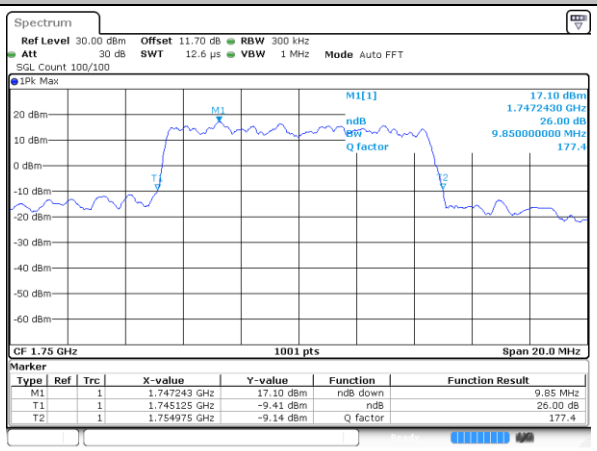
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

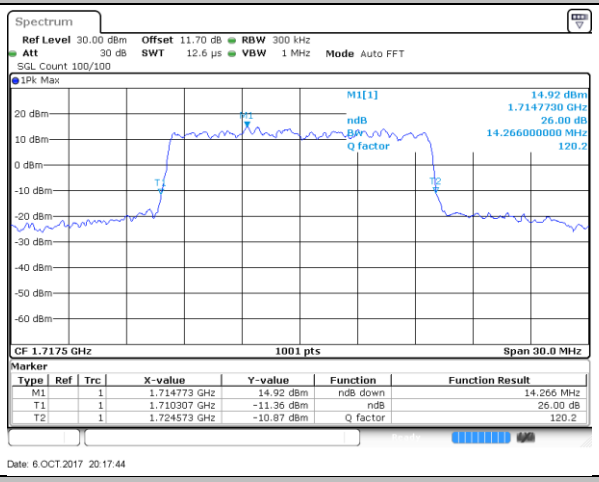


Highest Channel / 10MHz / 64QAM

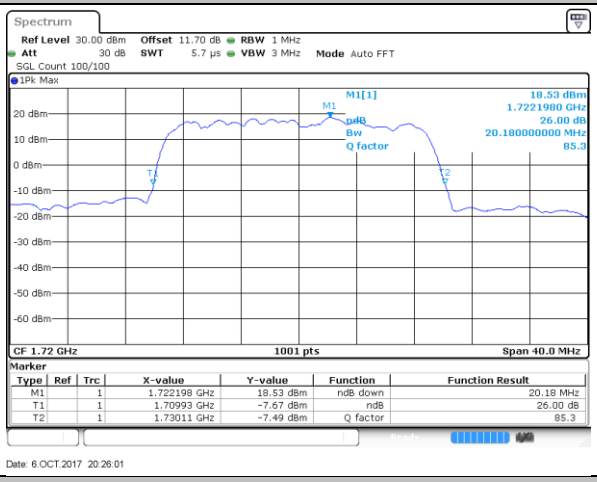


LTE Band 4

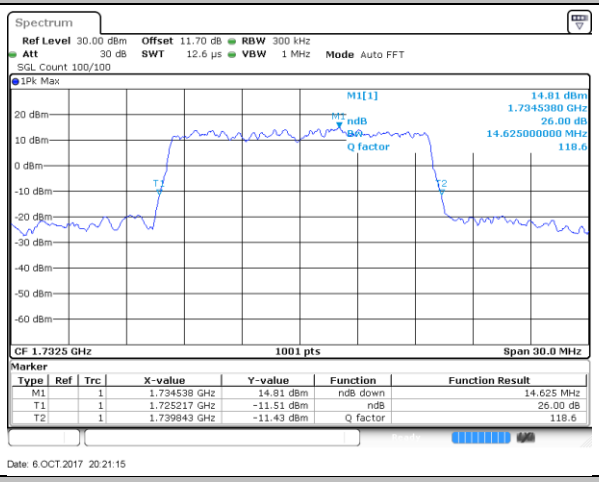
Lowest Channel / 15MHz / 64QAM



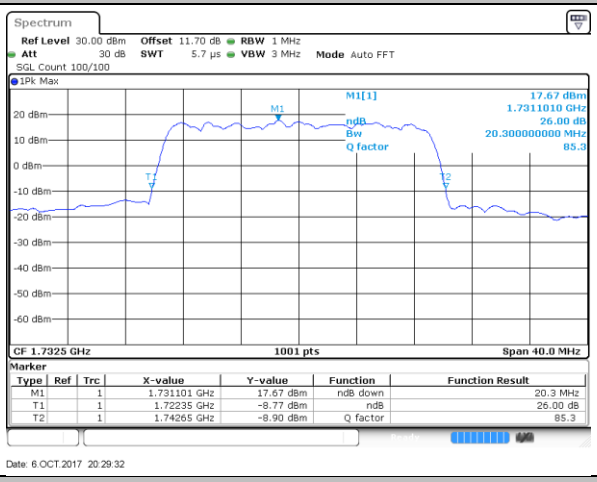
Lowest Channel / 20MHz / 64QAM



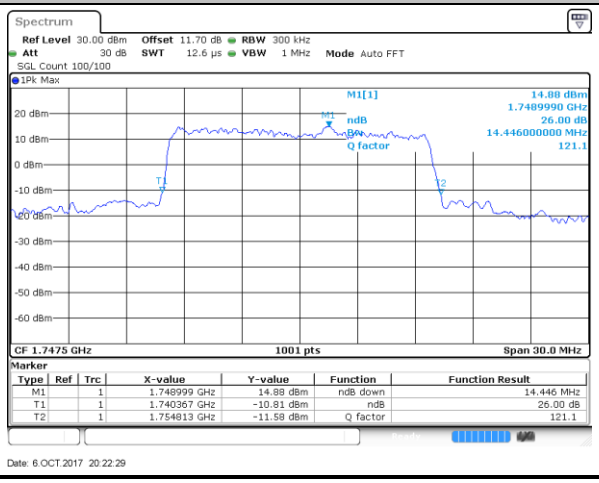
Middle Channel / 15MHz / 64QAM



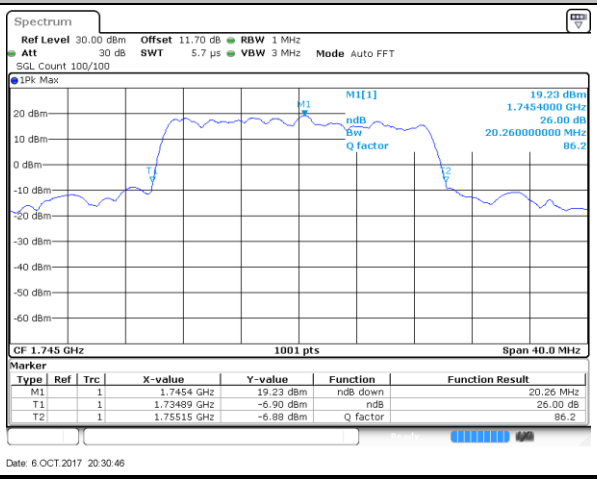
Middle Channel / 20MHz / 64QAM



Highest Channel / 15MHz / 64QAM



Highest Channel / 20MHz / 64QAM

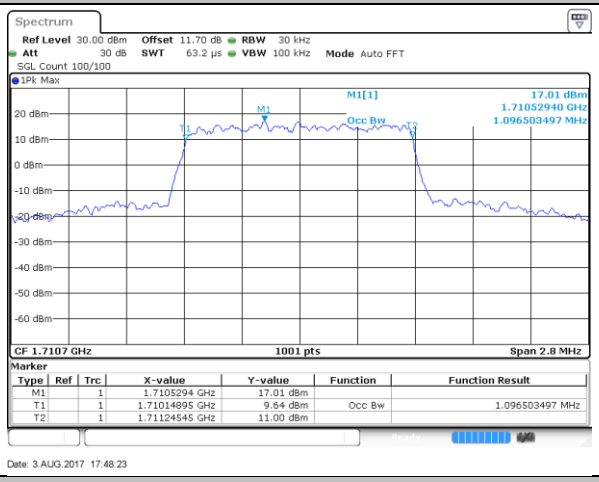


Occupied Bandwidth

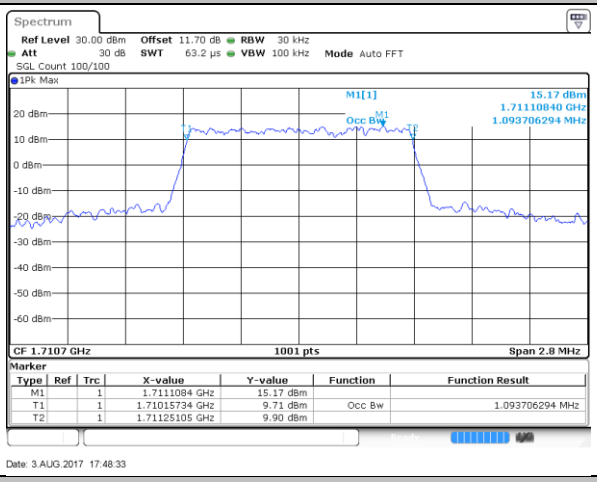
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.1	1.09	2.75	2.72	4.49	4.5	9.03	9.05	13.46	13.43	18.42	18.3
Middle CH	1.09	1.09	2.72	2.72	4.49	4.49	9.05	9.03	13.43	13.46	18.5	18.38
Highest CH	1.09	1.09	2.71	2.71	4.51	4.47	9.03	9.01	13.4	13.55	18.3	18.34
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.1	-	2.73	-	4.48	-	9.05	-	13.4	-	18.3	-
Middle CH	1.09	-	2.74	-	4.49	-	9.01	-	13.46	-	18.5	-
Highest CH	1.09	-	2.73	-	4.5	-	9.07	-	13.49	-	18.38	-

LTE Band 4

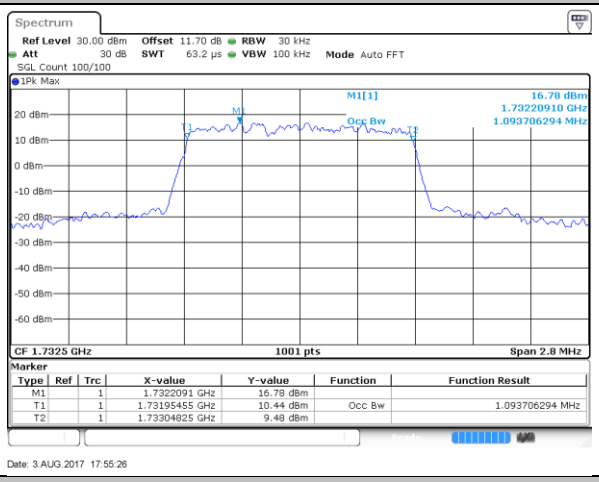
Lowest Channel / 1.4MHz / QPSK



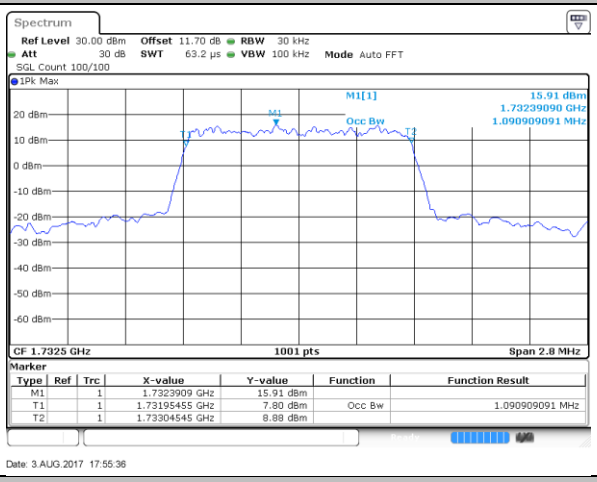
Lowest Channel / 1.4MHz / 16QAM



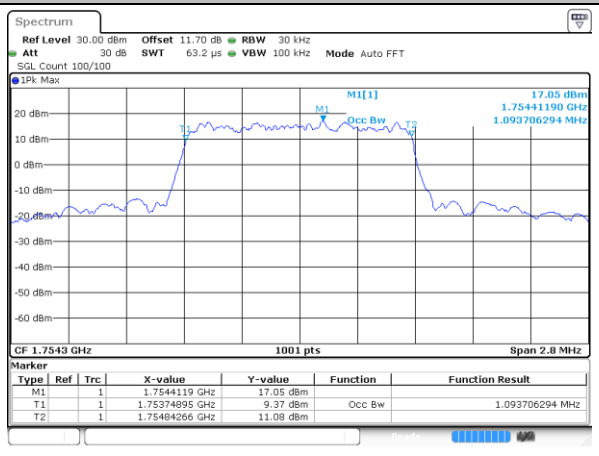
Middle Channel / 1.4MHz / QPSK



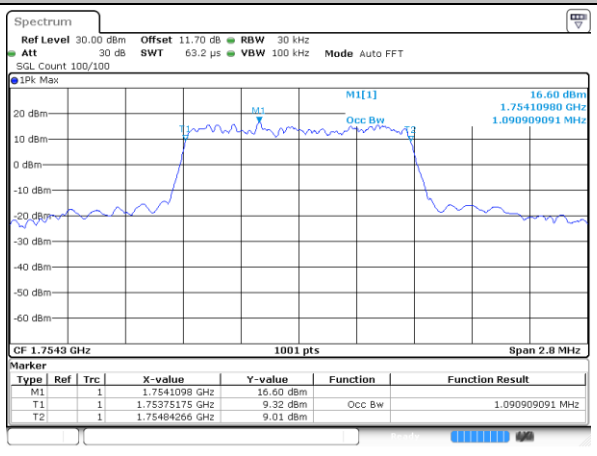
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

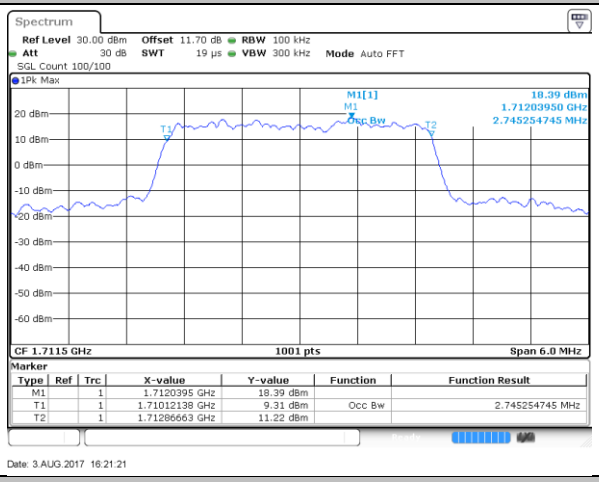


Highest Channel / 1.4MHz / 16QAM

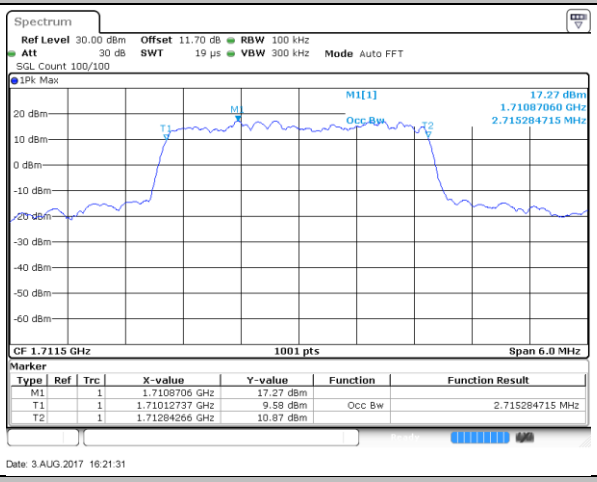


LTE Band 4

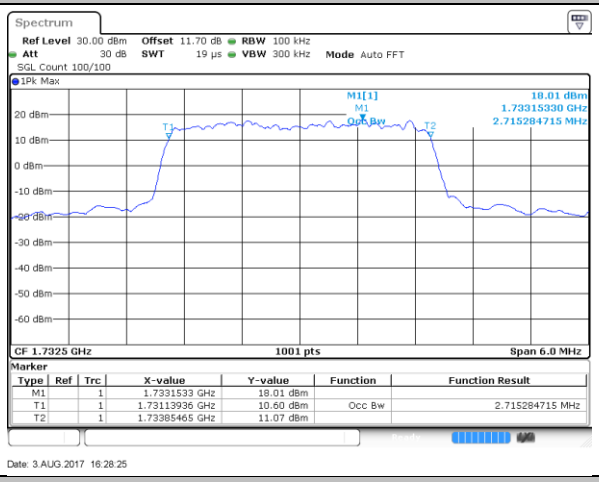
Lowest Channel / 3MHz / QPSK



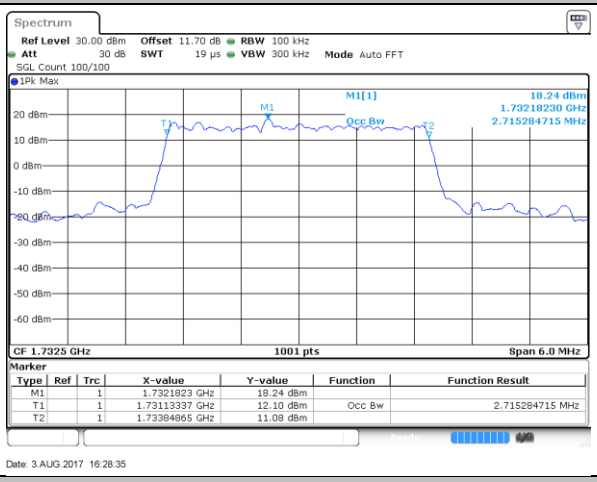
Lowest Channel / 3MHz / 16QAM



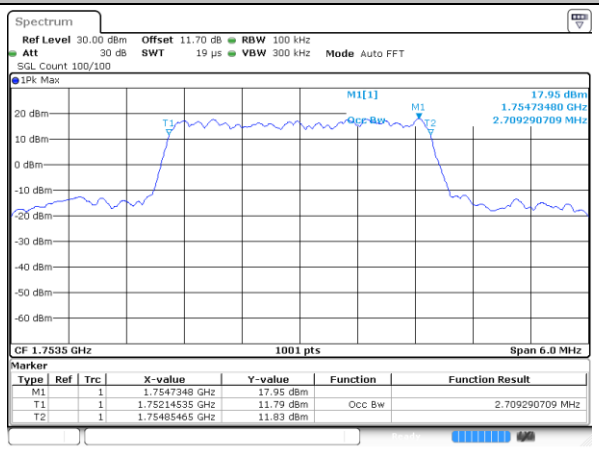
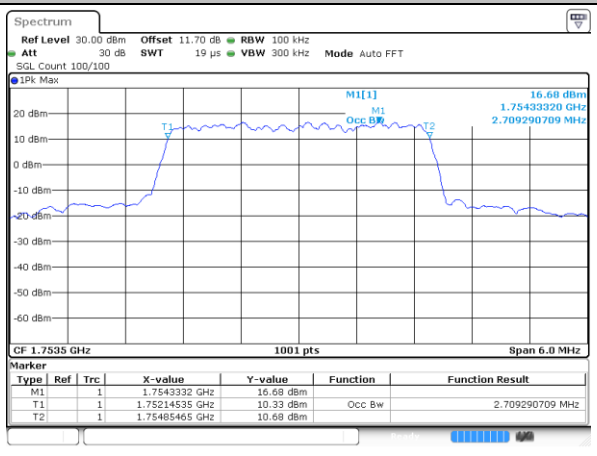
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK



Highest Channel / 3MHz / 16QAM