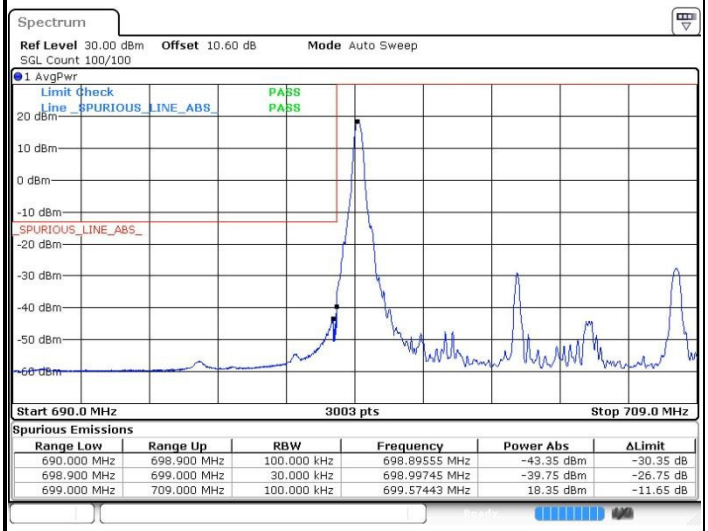
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

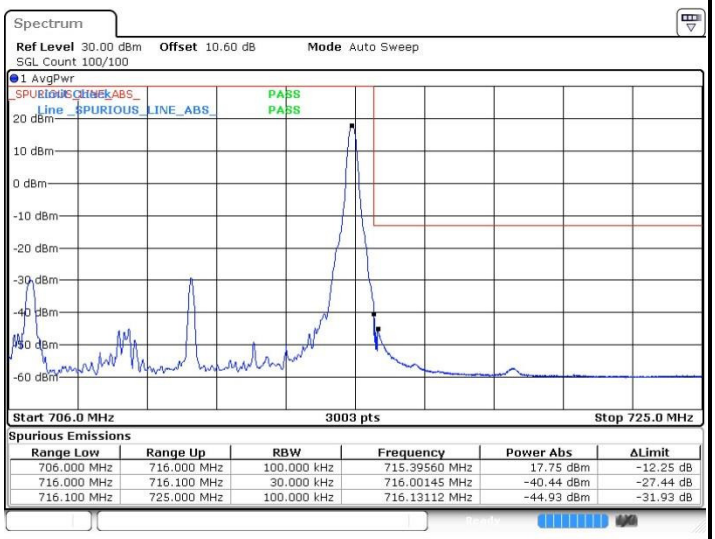


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-43.35 dBm	-30.35 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99745 MHz	-39.75 dBm	-26.75 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	18.35 dBm	-11.65 dB

Date: 28.APR.2017 14:11:20

Highest Band Edge / 1 RB

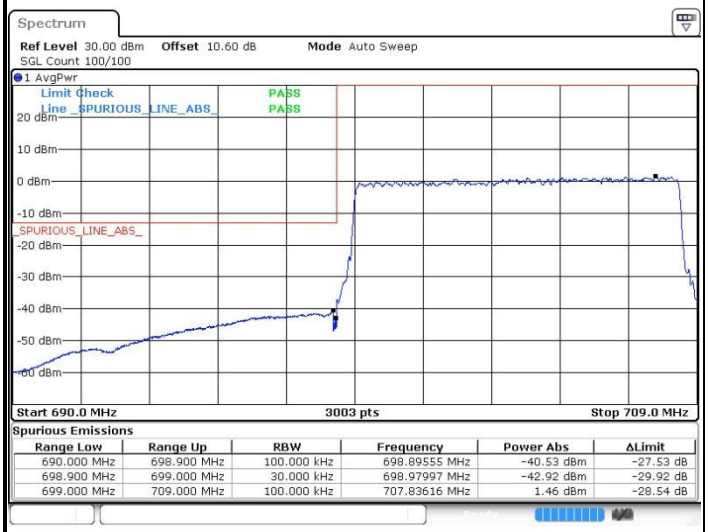


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	17.75 dBm	-12.25 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-40.44 dBm	-27.44 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-44.93 dBm	-31.93 dB

Date: 28.APR.2017 14:16:08

Lowest Band Edge / Full RB

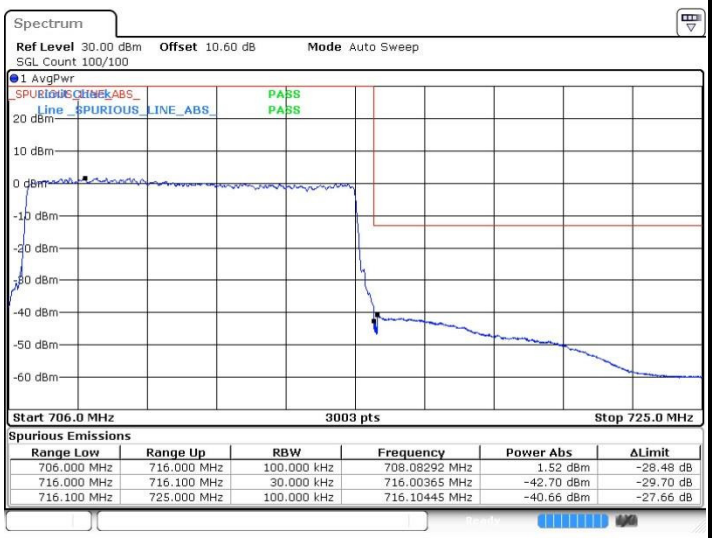


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-40.53 dBm	-27.53 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97997 MHz	-42.92 dBm	-29.92 dB
699.000 MHz	709.000 MHz	100.000 kHz	707.83616 MHz	1.46 dBm	-28.54 dB

Date: 28.APR.2017 14:10:11

Highest Band Edge / Full RB



Spurious Emissions

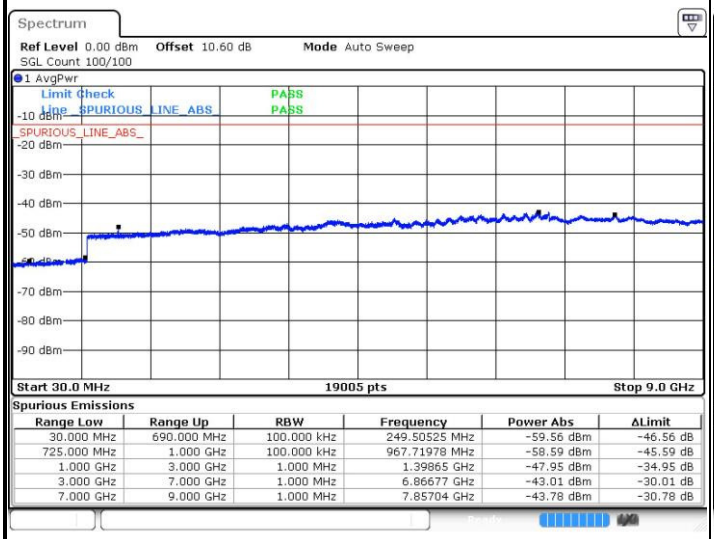
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	708.08292 MHz	1.52 dBm	-28.48 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00365 MHz	-42.70 dBm	-29.70 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-40.66 dBm	-27.66 dB

Date: 28.APR.2017 14:14:59

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

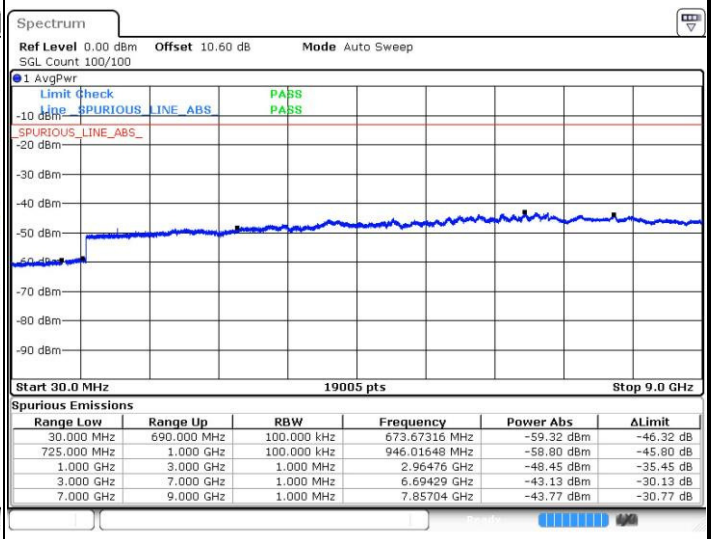


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	249.50525 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.71978 MHz	-58.59 dBm	-45.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-47.95 dBm	-34.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86677 GHz	-43.01 dBm	-30.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.78 dBm	-30.78 dB

Date: 21.APR.2017 19:05:51

Lowest Channel / 16QAM

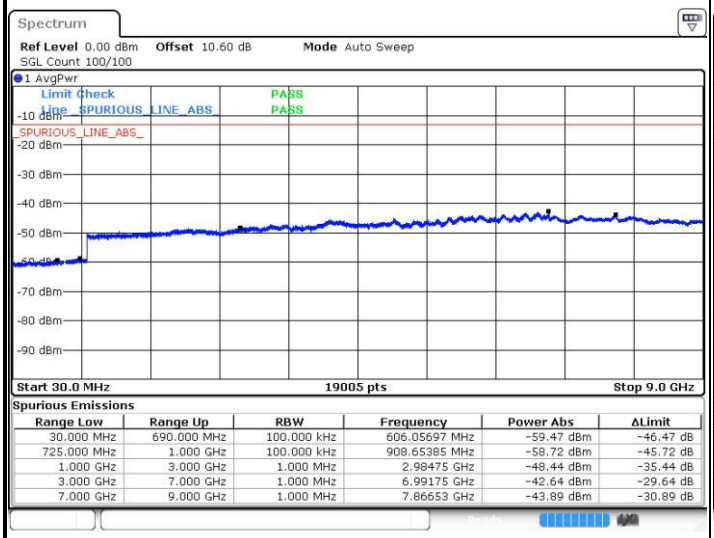


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	673.67316 MHz	-59.32 dBm	-46.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	946.01648 MHz	-58.80 dBm	-45.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96476 GHz	-48.45 dBm	-35.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.69429 GHz	-43.13 dBm	-30.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.77 dBm	-30.77 dB

Date: 21.APR.2017 19:06:45

Middle Channel / QPSK

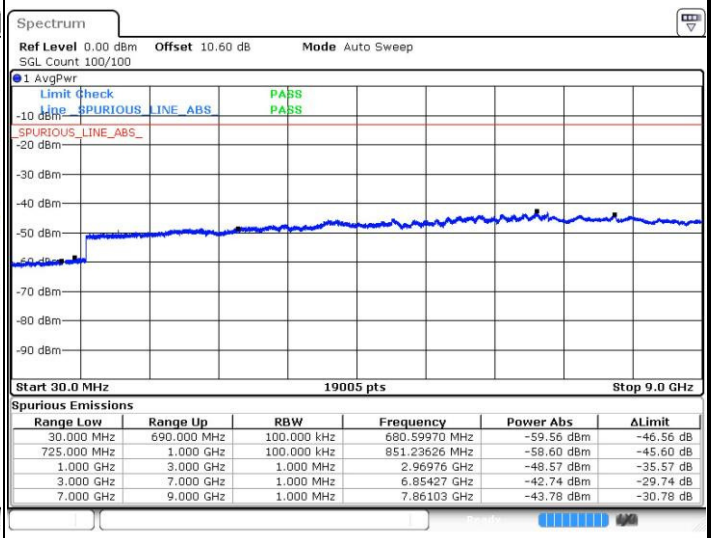


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	606.05697 MHz	-59.47 dBm	-46.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	908.65385 MHz	-58.72 dBm	-45.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98475 GHz	-48.44 dBm	-35.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.64 dBm	-29.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86653 GHz	-43.89 dBm	-30.89 dB

Date: 21.APR.2017 19:09:15

Middle Channel / 16QAM



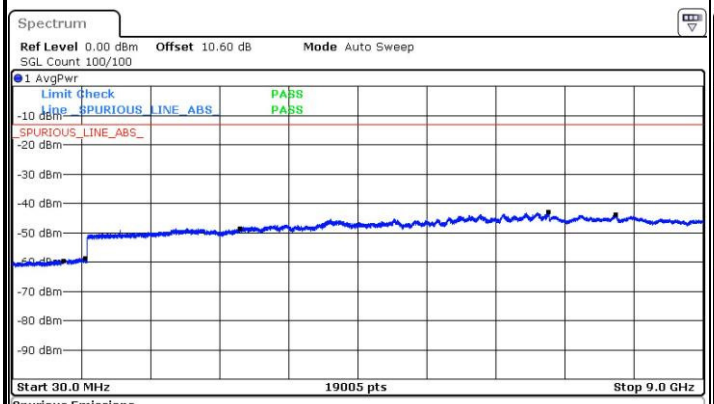
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	680.59970 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	851.23626 MHz	-58.60 dBm	-45.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96976 GHz	-48.57 dBm	-35.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85427 GHz	-42.74 dBm	-29.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-43.78 dBm	-30.78 dB

Date: 21.APR.2017 19:08:21

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

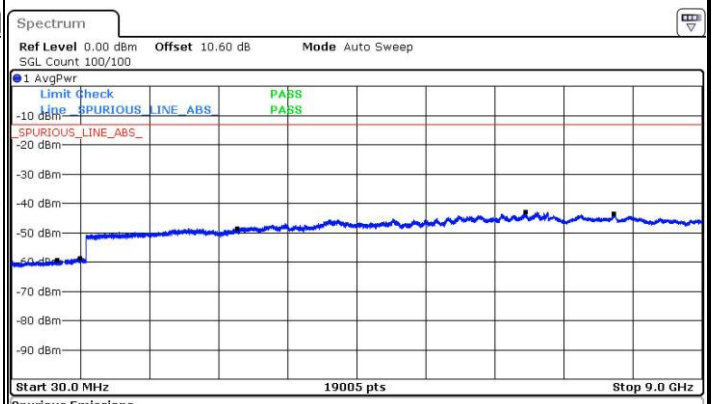


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.22789 MHz	-59.57 dBm	-46.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	976.78571 MHz	-58.75 dBm	-45.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98775 GHz	-48.52 dBm	-35.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-43.00 dBm	-30.00 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85904 GHz	-43.82 dBm	-30.82 dB

Date: 21.APR.2017 19:15:28

Highest Channel / 16QAM



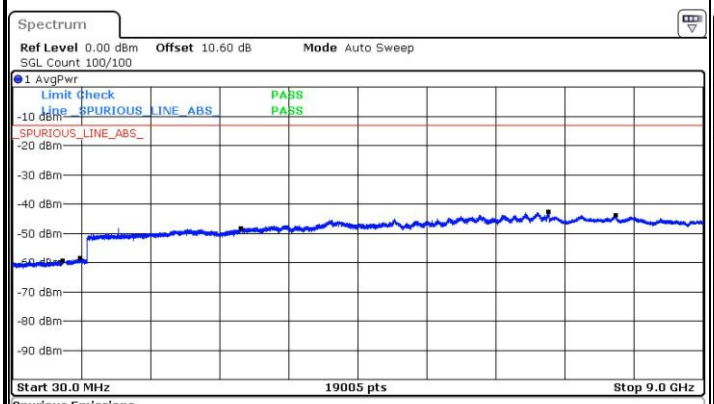
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	618.59070 MHz	-59.38 dBm	-46.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	911.12637 MHz	-58.74 dBm	-45.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96476 GHz	-48.53 dBm	-35.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.70079 GHz	-43.01 dBm	-30.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.70 dBm	-30.70 dB

Date: 21.APR.2017 19:16:22

LTE Band 12 / 3MHz

Lowest Channel / QPSK

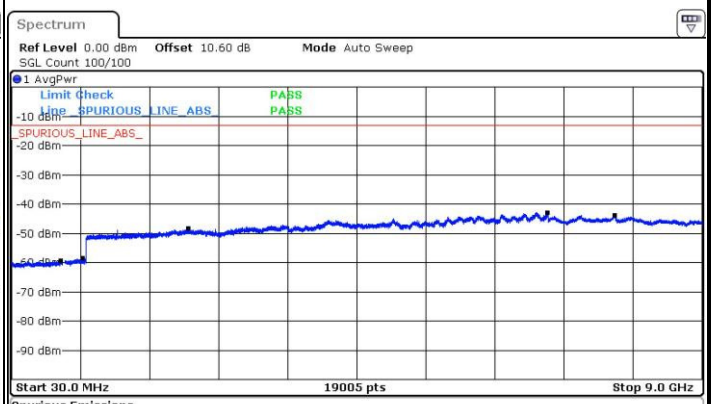


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.24888 MHz	-59.54 dBm	-46.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	908.92857 MHz	-58.56 dBm	-45.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99875 GHz	-48.34 dBm	-35.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-42.60 dBm	-29.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-43.76 dBm	-30.76 dB

Date: 21.APR.2017 18:02:06

Lowest Channel / 16QAM



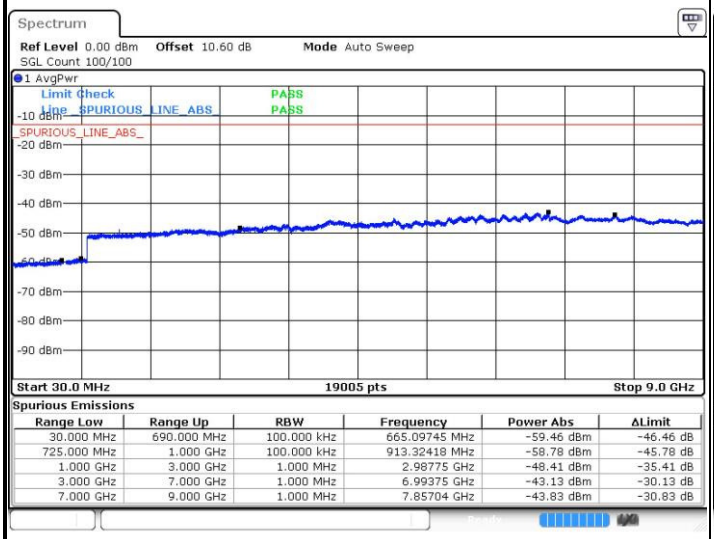
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.03448 MHz	-59.39 dBm	-46.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	948.76374 MHz	-58.63 dBm	-45.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.32642 GHz	-48.33 dBm	-35.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-42.86 dBm	-29.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86553 GHz	-43.96 dBm	-30.96 dB

Date: 21.APR.2017 18:03:00

LTE Band 12 / 3MHz

Middle Channel / QPSK

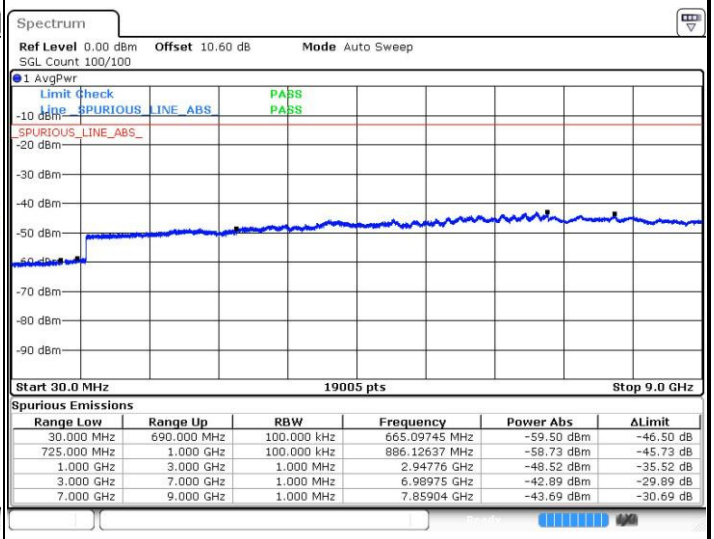


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	665.09745 MHz	-59.46 dBm	-46.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	913.32418 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98775 GHz	-48.41 dBm	-35.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-43.13 dBm	-30.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.83 dBm	-30.83 dB

Date: 21.APR.2017 18:05:29

Middle Channel / 16QAM

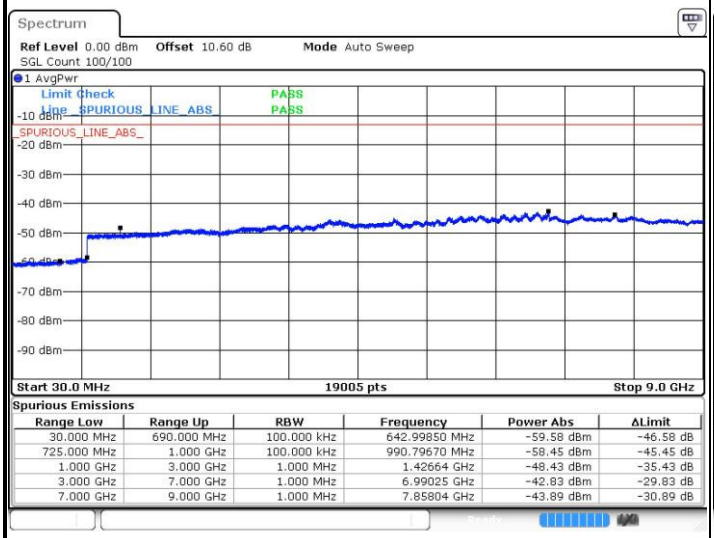


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	665.09745 MHz	-59.50 dBm	-46.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.12637 MHz	-58.73 dBm	-45.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.94776 GHz	-48.52 dBm	-35.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.89 dBm	-29.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85904 GHz	-43.69 dBm	-30.69 dB

Date: 21.APR.2017 18:04:35

Highest Channel / QPSK

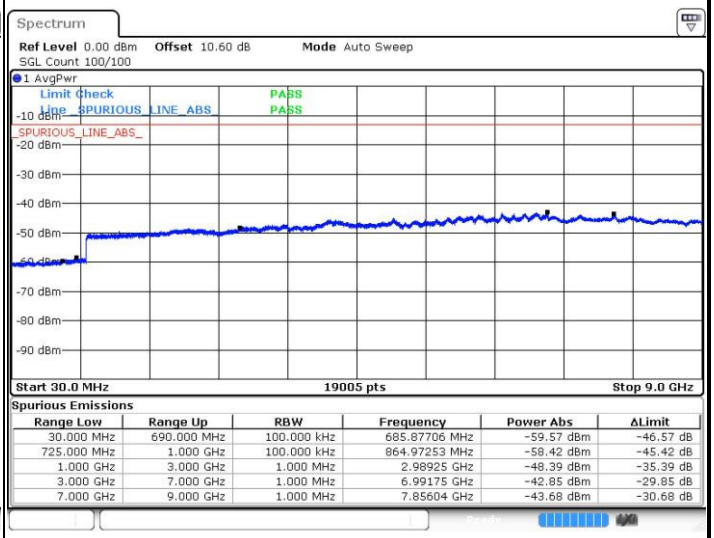


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	642.99850 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.79670 MHz	-58.45 dBm	-45.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-48.43 dBm	-35.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.83 dBm	-29.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-43.89 dBm	-30.89 dB

Date: 21.APR.2017 18:11:41

Highest Channel / 16QAM



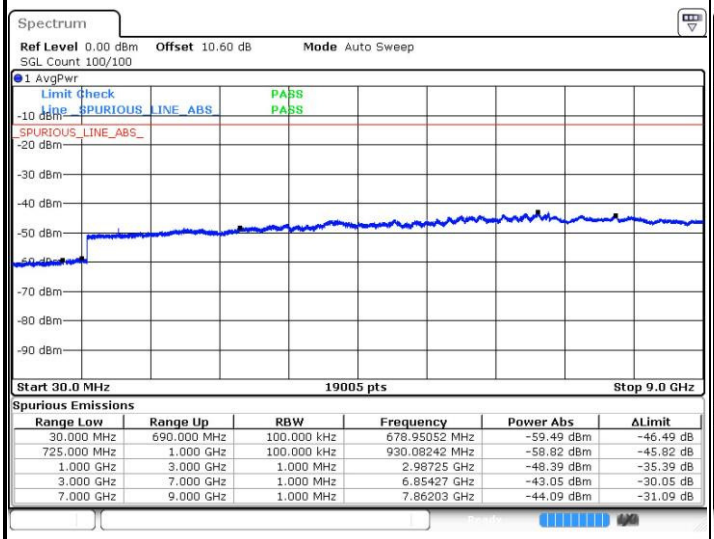
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-59.57 dBm	-46.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	864.97253 MHz	-58.42 dBm	-45.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98925 GHz	-48.39 dBm	-35.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.85 dBm	-29.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85604 GHz	-43.68 dBm	-30.68 dB

Date: 21.APR.2017 18:12:35

LTE Band 12 / 5MHz

Lowest Channel / QPSK

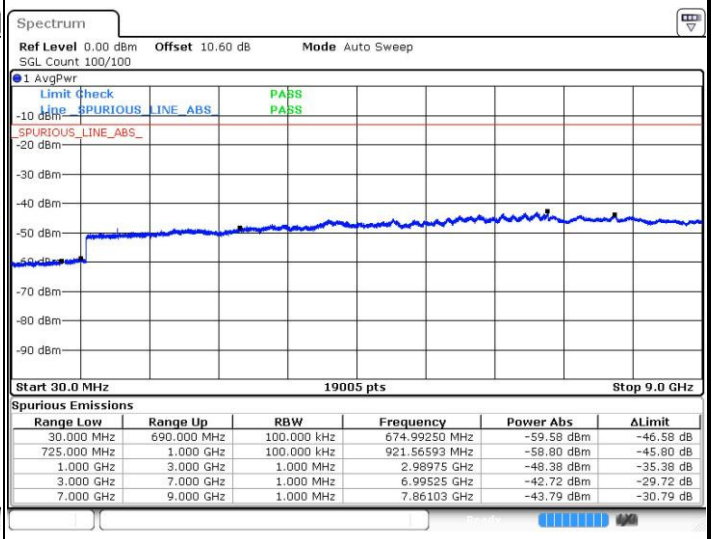


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.95052 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	930.08242 MHz	-58.82 dBm	-45.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98725 GHz	-48.39 dBm	-35.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85427 GHz	-43.05 dBm	-30.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86203 GHz	-44.09 dBm	-31.09 dB

Date: 21.APR.2017 18:18:47

Lowest Channel / 16QAM

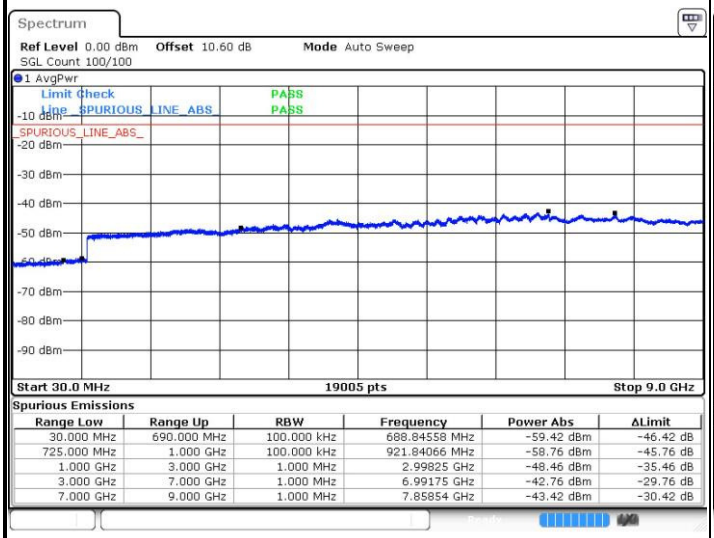


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.99250 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	921.56593 MHz	-58.80 dBm	-45.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98975 GHz	-48.38 dBm	-35.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-42.72 dBm	-29.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-43.79 dBm	-30.79 dB

Date: 21.APR.2017 18:19:41

Middle Channel / QPSK

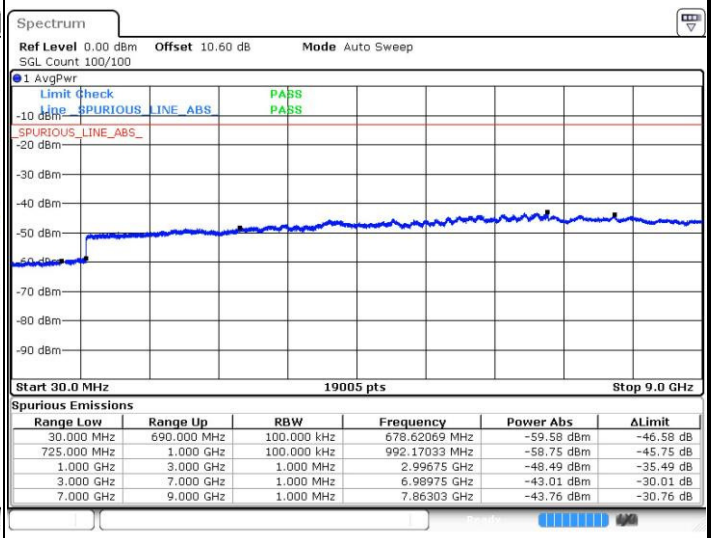


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.42 dBm	-46.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	921.84066 MHz	-58.76 dBm	-45.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99825 GHz	-48.46 dBm	-35.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.76 dBm	-29.76 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85854 GHz	-43.42 dBm	-30.42 dB

Date: 21.APR.2017 18:22:10

Middle Channel / 16QAM



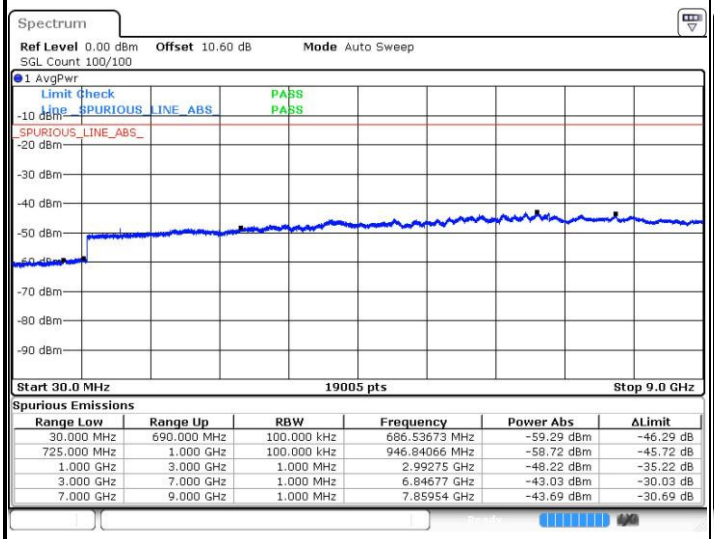
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.62069 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.17033 MHz	-58.75 dBm	-45.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99675 GHz	-48.49 dBm	-35.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-43.01 dBm	-30.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86303 GHz	-43.76 dBm	-30.76 dB

Date: 21.APR.2017 18:21:16

LTE Band 12 / 5MHz

Highest Channel / QPSK

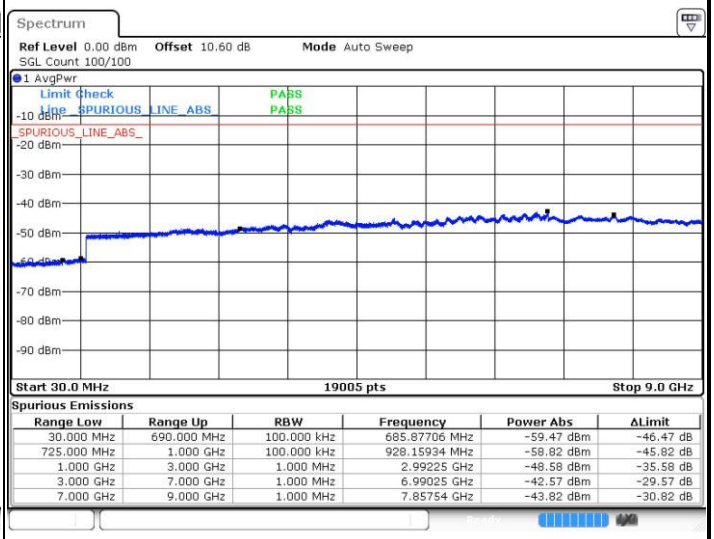


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.53673 MHz	-59.29 dBm	-46.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	946.84066 MHz	-58.72 dBm	-45.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99275 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84677 GHz	-43.03 dBm	-30.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85954 GHz	-43.69 dBm	-30.69 dB

Date: 21.APR.2017 18:29:16

Highest Channel / 16QAM



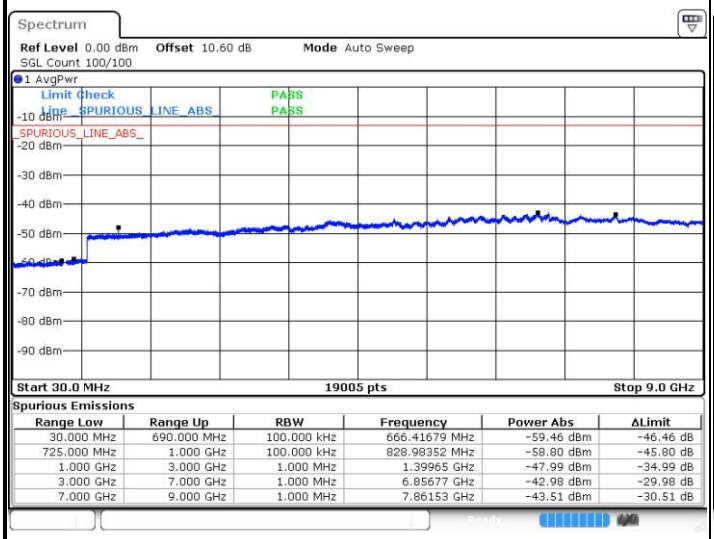
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-59.47 dBm	-46.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.15934 MHz	-58.82 dBm	-45.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99225 GHz	-48.58 dBm	-35.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.57 dBm	-29.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.82 dBm	-30.82 dB

Date: 21.APR.2017 18:28:22

LTE Band 12 / 10MHz

Lowest Channel / QPSK

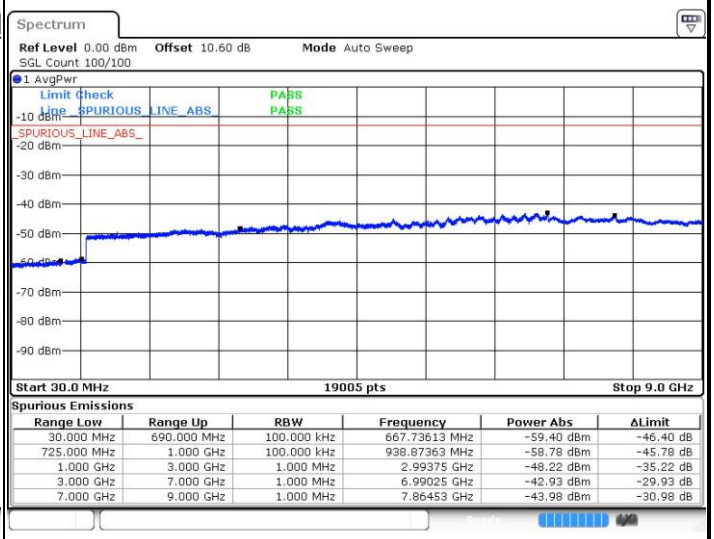


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-59.46 dBm	-46.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	828.98352 MHz	-58.80 dBm	-45.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-47.99 dBm	-34.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85677 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86153 GHz	-43.51 dBm	-30.51 dB

Date: 21.APR.2017 18:35:28

Lowest Channel / 16QAM



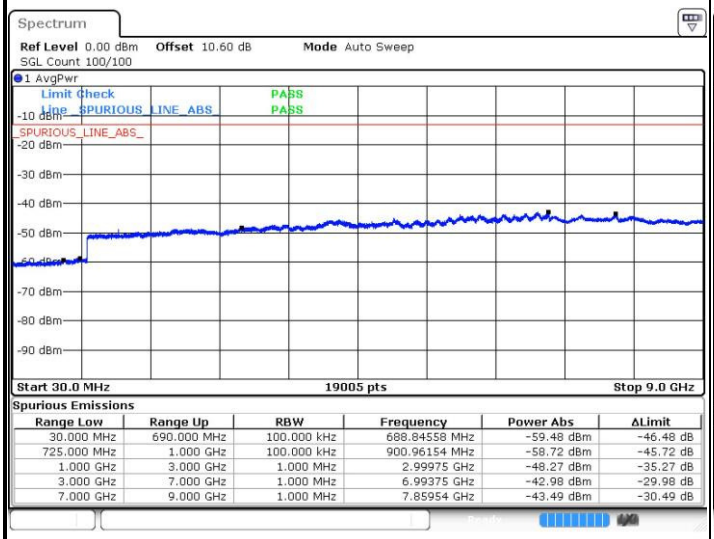
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	667.73613 MHz	-59.40 dBm	-46.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.87363 MHz	-58.78 dBm	-45.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-48.22 dBm	-35.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.93 dBm	-29.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86453 GHz	-43.98 dBm	-30.98 dB

Date: 21.APR.2017 18:36:22

LTE Band 12 / 10MHz

Middle Channel / QPSK

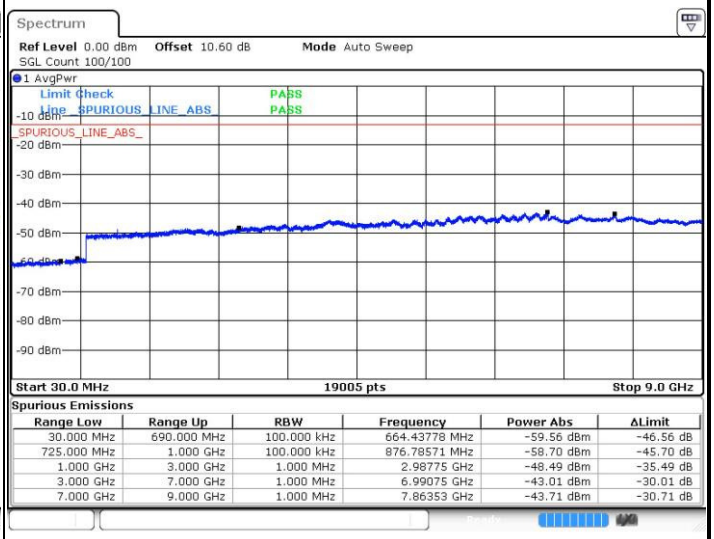


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	900.96154 MHz	-58.72 dBm	-45.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99975 GHz	-48.27 dBm	-35.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-42.98 dBm	-29.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85954 GHz	-43.49 dBm	-30.49 dB

Date: 21.APR.2017 18:38:52

Middle Channel / 16QAM

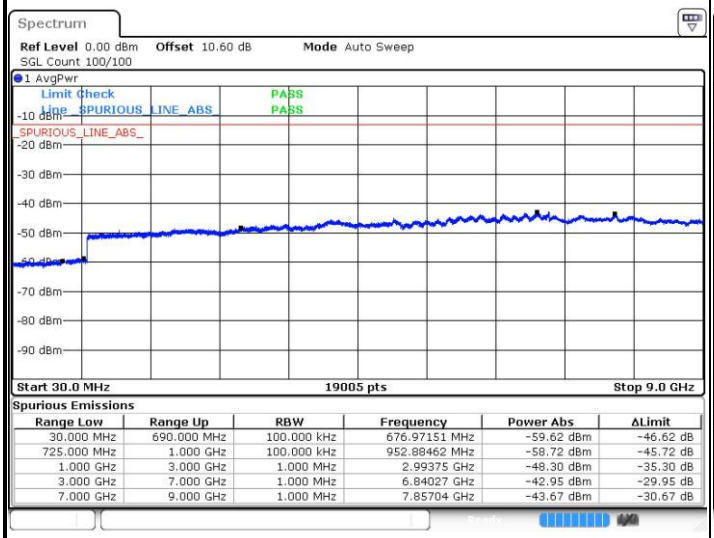


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	664.43778 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	876.78571 MHz	-58.70 dBm	-45.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98775 GHz	-48.49 dBm	-35.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-43.01 dBm	-30.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86353 GHz	-43.71 dBm	-30.71 dB

Date: 21.APR.2017 18:37:57

Highest Channel / QPSK

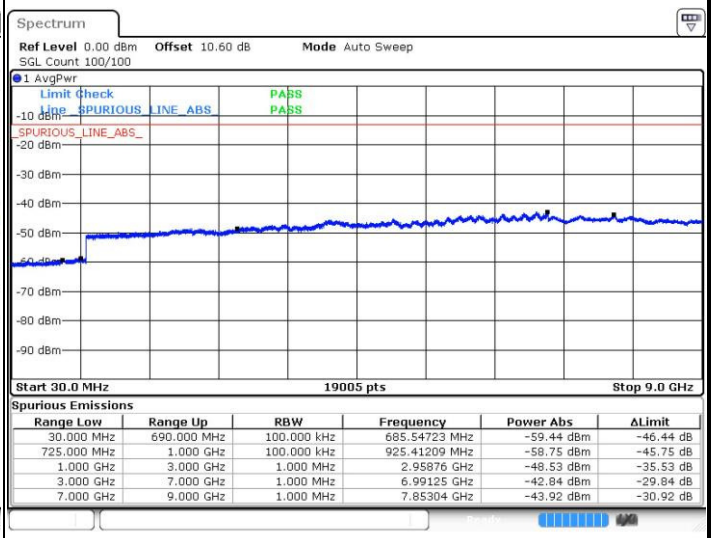


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	676.97151 MHz	-59.62 dBm	-46.62 dB
725.000 MHz	1.000 GHz	100.000 kHz	952.88462 MHz	-58.72 dBm	-45.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99375 GHz	-48.30 dBm	-35.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84027 GHz	-42.95 dBm	-29.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.67 dBm	-30.67 dB

Date: 21.APR.2017 18:45:03

Highest Channel / 16QAM



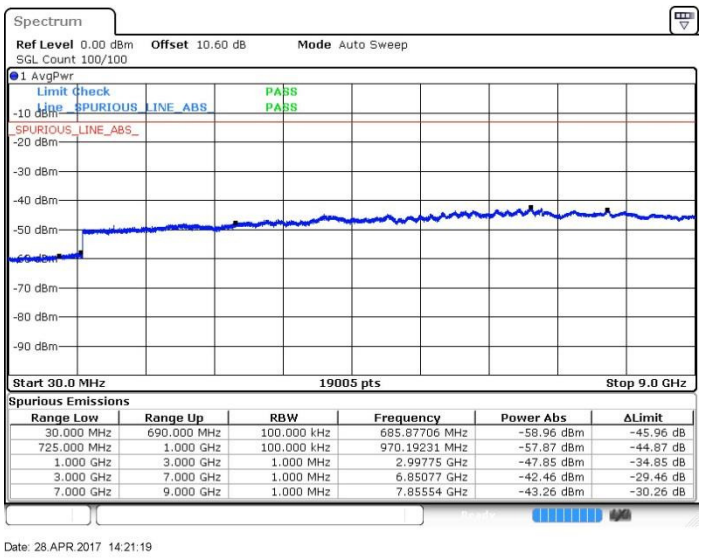
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-59.44 dBm	-46.44 dB
725.000 MHz	1.000 GHz	100.000 kHz	925.41209 MHz	-58.75 dBm	-45.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95876 GHz	-48.53 dBm	-35.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-42.84 dBm	-29.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85304 GHz	-43.92 dBm	-30.92 dB

Date: 21.APR.2017 18:45:57

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

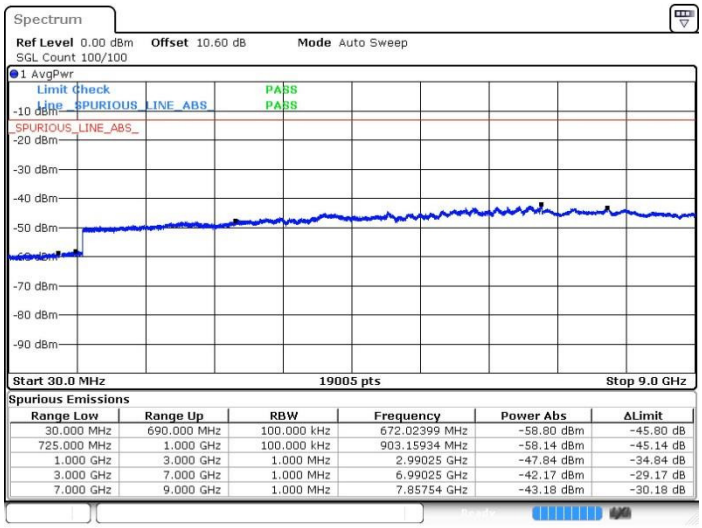


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.87706 MHz	-58.96 dBm	-45.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.19231 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99775 GHz	-47.85 dBm	-34.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85077 GHz	-42.46 dBm	-29.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85554 GHz	-43.26 dBm	-30.26 dB

Date: 28.APR.2017 14:21:19

Middle Channel / 64QAM



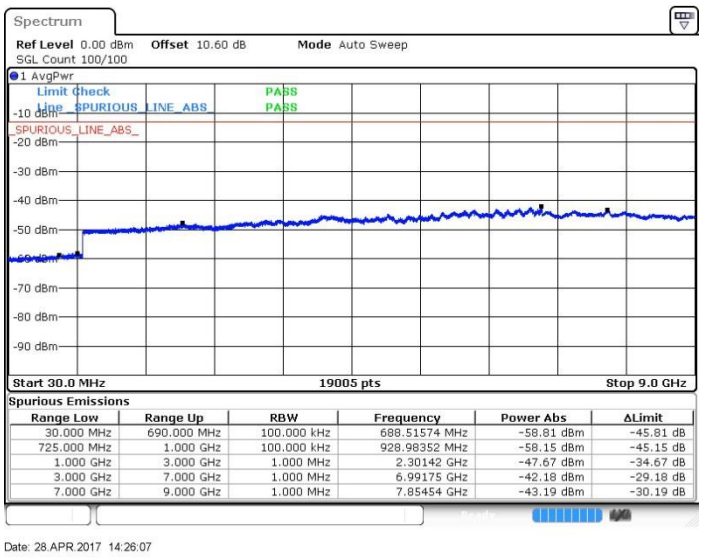
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	672.02399 MHz	-58.80 dBm	-45.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	903.15934 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99025 GHz	-47.84 dBm	-34.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.17 dBm	-29.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.18 dBm	-30.18 dB

Date: 28.APR.2017 14:22:34

LTE Band 12 / 1.4MHz

Highest Channel / 64QAM



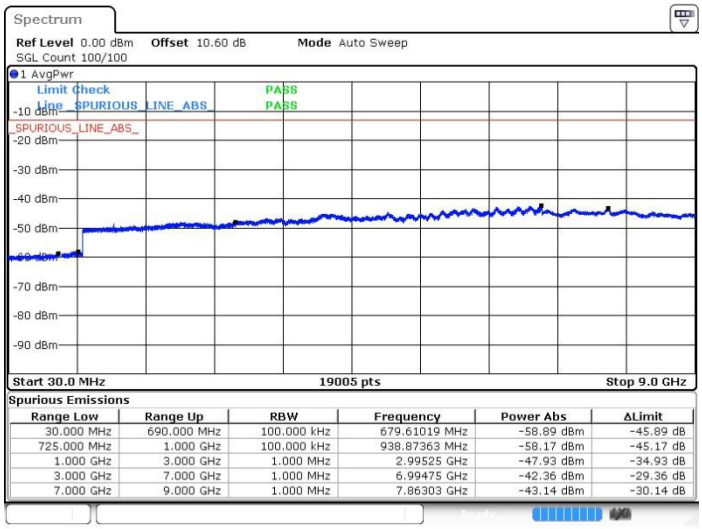
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-58.81 dBm	-45.81 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.98352 MHz	-58.15 dBm	-45.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.30142 GHz	-47.67 dBm	-34.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.18 dBm	-29.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85454 GHz	-43.19 dBm	-30.19 dB

Date: 28.APR.2017 14:26:07

LTE Band 12 / 3MHz

Lowest Channel / 64QAM



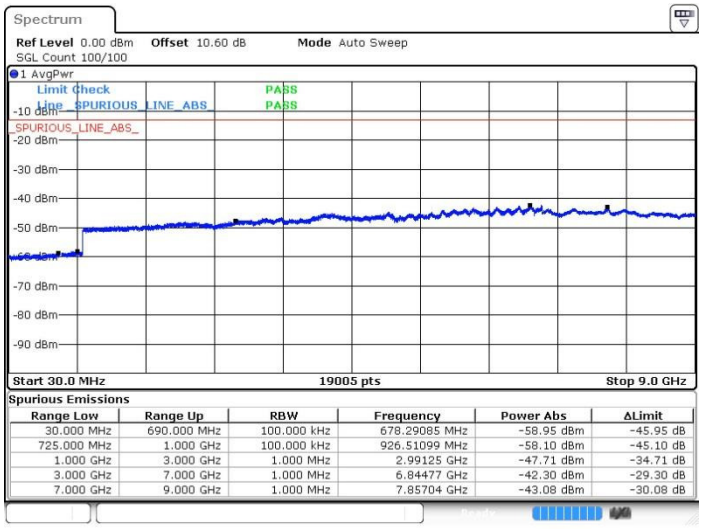
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.61019 MHz	-58.89 dBm	-45.89 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.87363 MHz	-58.17 dBm	-45.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99525 GHz	-47.93 dBm	-34.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-42.36 dBm	-29.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86303 GHz	-43.14 dBm	-30.14 dB

Date: 28.APR.2017 13:55:29

LTE Band 12 / 3MHz

Middle Channel / 64QAM

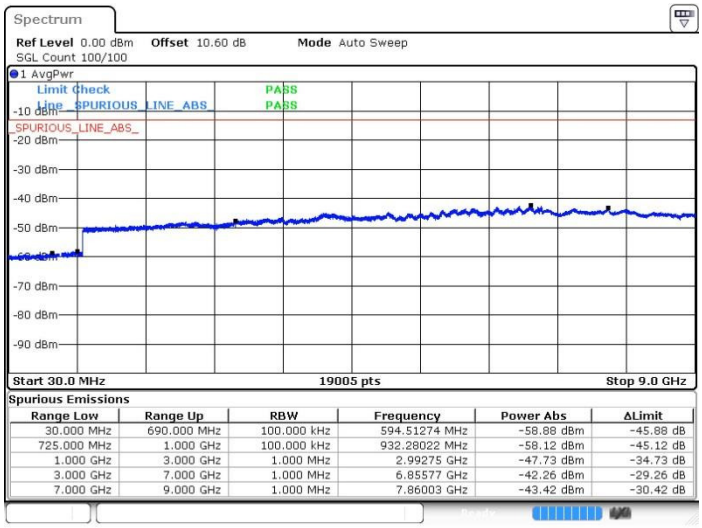


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	678.29085 MHz	-58.95 dBm	-45.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	926.51099 MHz	-58.10 dBm	-45.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99125 GHz	-47.71 dBm	-34.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84477 GHz	-42.30 dBm	-29.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.08 dBm	-30.08 dB

Date: 28.APR.2017 13:56:45

Highest Channel / 64QAM



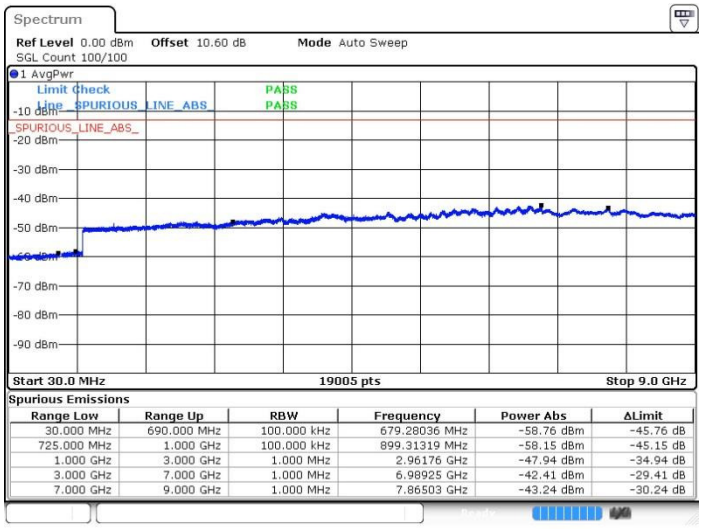
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	594.51274 MHz	-58.88 dBm	-45.88 dB
725.000 MHz	1.000 GHz	100.000 kHz	932.28022 MHz	-58.12 dBm	-45.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99275 GHz	-47.73 dBm	-34.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85577 GHz	-42.26 dBm	-29.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86003 GHz	-43.42 dBm	-30.42 dB

Date: 28.APR.2017 14:00:18

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

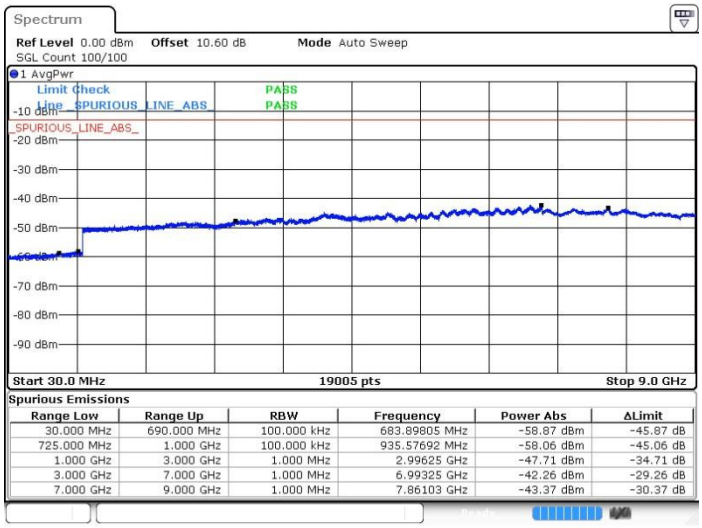


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.28036 MHz	-58.76 dBm	-45.76 dB
725.000 MHz	1.000 GHz	100.000 kHz	899.31319 MHz	-58.15 dBm	-45.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96176 GHz	-47.94 dBm	-34.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98925 GHz	-42.41 dBm	-29.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86503 GHz	-43.24 dBm	-30.24 dB

Date: 28.APR.2017 14:03:52

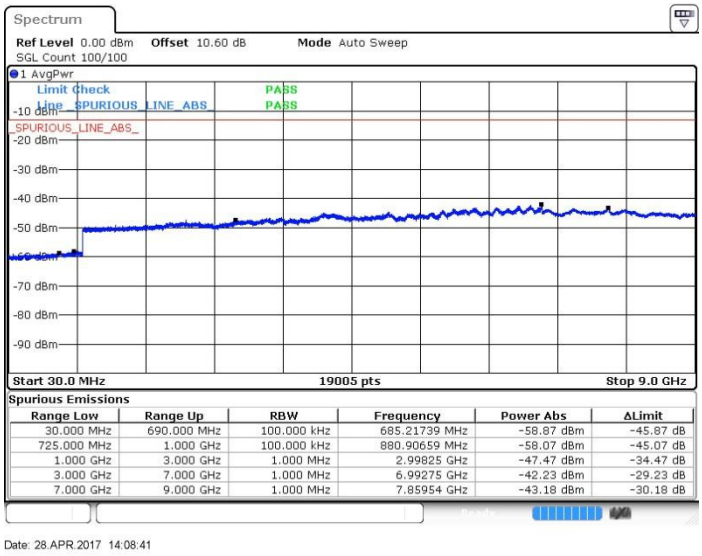
Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-58.87 dBm	-45.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	935.57692 MHz	-58.06 dBm	-45.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99625 GHz	-47.71 dBm	-34.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.26 dBm	-29.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-43.37 dBm	-30.37 dB

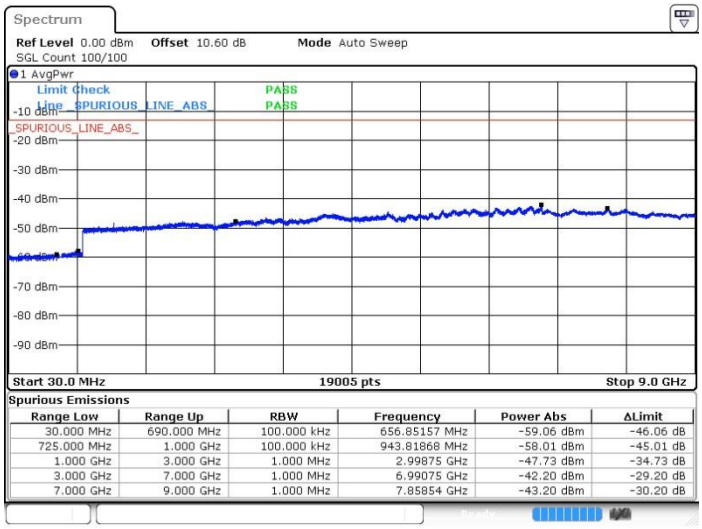
Date: 28.APR.2017 14:05:07

LTE Band 12 / 5MHz	
	Highest Channel / 64QAM
	

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.21739 MHz	-58.87 dBm	-45.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	880.90659 MHz	-58.07 dBm	-45.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99825 GHz	-47.47 dBm	-34.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-42.23 dBm	-29.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85954 GHz	-43.18 dBm	-30.18 dB

Date: 28.APR.2017 14:08:41

LTE Band 12 / 10MHz	
	Lowest Channel / 64QAM
	

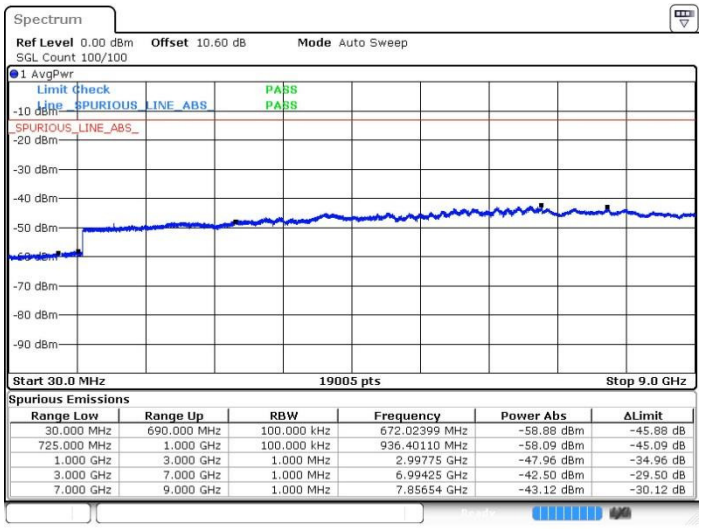
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	656.85157 MHz	-59.06 dBm	-46.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	943.81868 MHz	-58.01 dBm	-45.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99875 GHz	-47.73 dBm	-34.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85854 GHz	-43.20 dBm	-30.20 dB

Date: 28.APR.2017 14:12:15

LTE Band 12 / 10MHz

Middle Channel / 64QAM

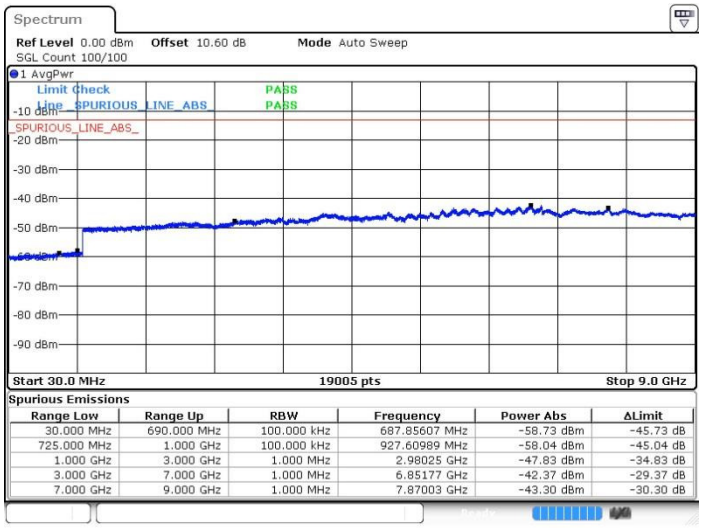


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	672.02399 MHz	-58.88 dBm	-45.88 dB
725.000 MHz	1.000 GHz	100.000 kHz	936.40110 MHz	-58.09 dBm	-45.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99775 GHz	-47.96 dBm	-34.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-42.50 dBm	-29.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85654 GHz	-43.12 dBm	-30.12 dB

Date: 28.APR.2017 14:13:30

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-58.73 dBm	-45.73 dB
725.000 MHz	1.000 GHz	100.000 kHz	927.60989 MHz	-58.04 dBm	-45.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98025 GHz	-47.83 dBm	-34.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85177 GHz	-42.37 dBm	-29.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87003 GHz	-43.30 dBm	-30.30 dB

Date: 28.APR.2017 14:17:03

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0069	PASS
40	Normal Voltage	0.0061	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0078	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

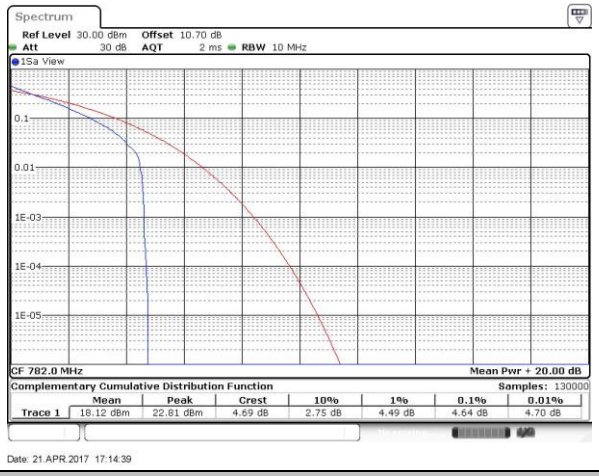
LTE Band 13

Peak-to-Average Ratio

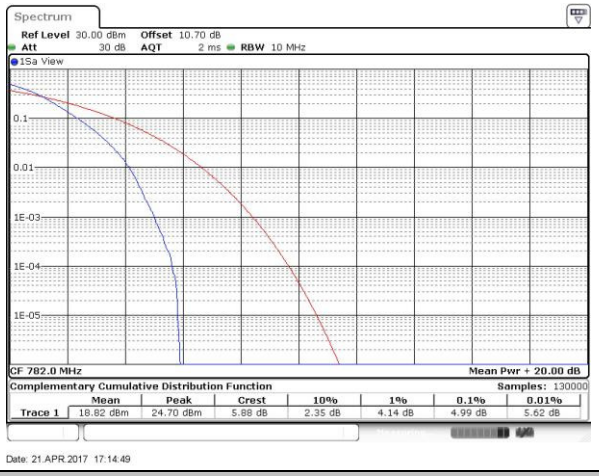
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.64	4.99	5.19	5.91	
Highest CH	-	-	-	-	
Mod.	-		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	-	-	5.16	6	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



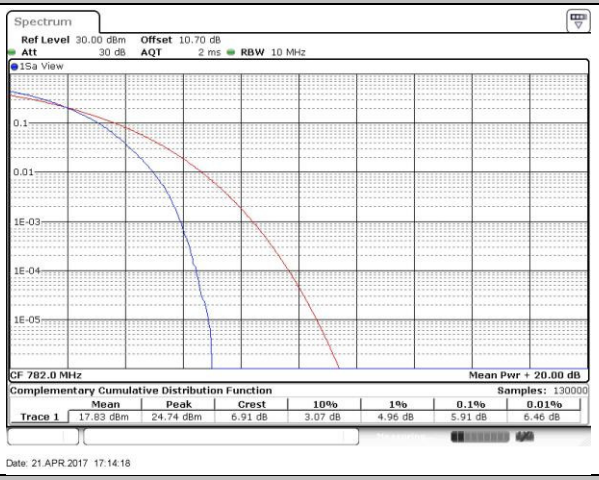
Middle Channel / Full RB



LTE Band 13 / 10MHz / 16QAM

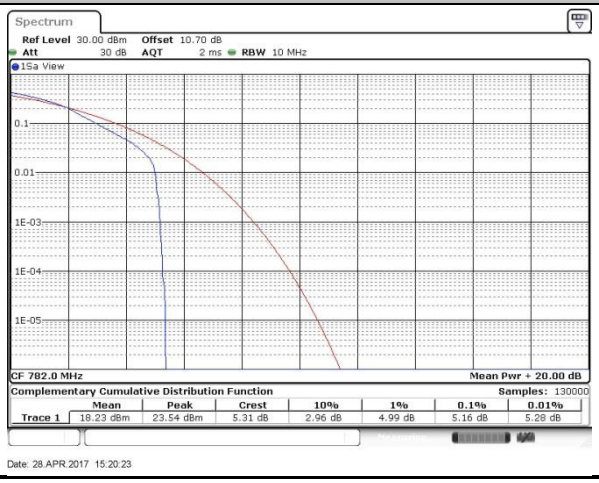
Middle Channel/ 1RB

Middle Channel / Full RB

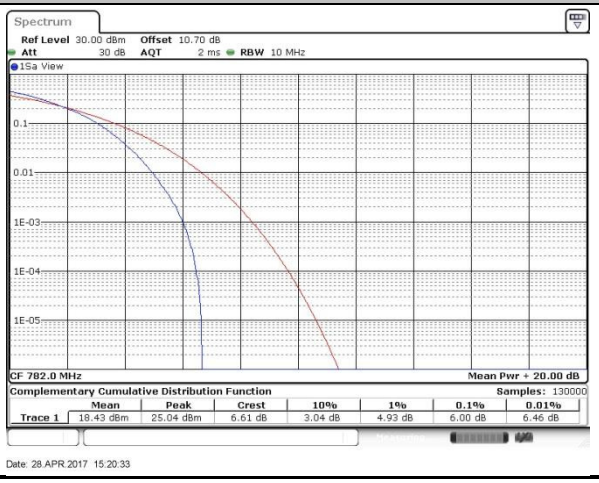


LTE Band 13 / 10MHz / 64QAM

Middle Channel/ 1RB



Middle Channel / Full RB

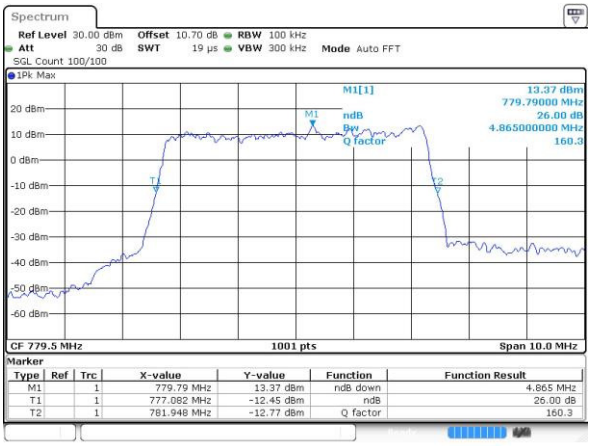


26dB Bandwidth

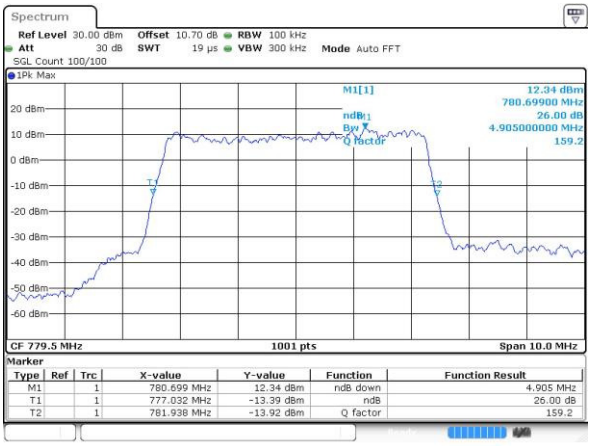
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.865	4.905	-	-	-	-	-	-
Middle CH	-	-	-	-	4.885	4.935	9.87	9.71	-	-	-	-
Highest CH	-	-	-	-	4.845	4.885	-	-	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.905	-	-	-	-	-	-
Middle CH	-	-	-	-	-	4.765	-	9.73	-	-	-	-
Highest CH	-	-	-	-	-	4.945	-	-	-	-	-	-

LTE Band 13

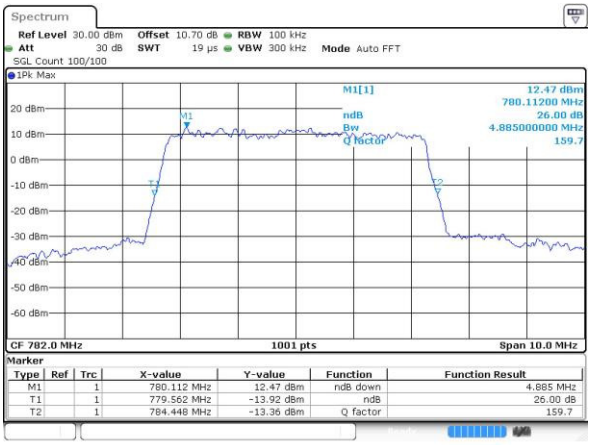
Lowest Channel / 5MHz / QPSK



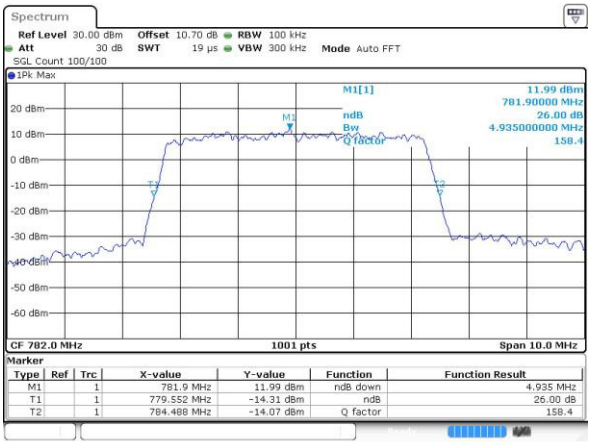
Lowest Channel / 5MHz / 16QAM



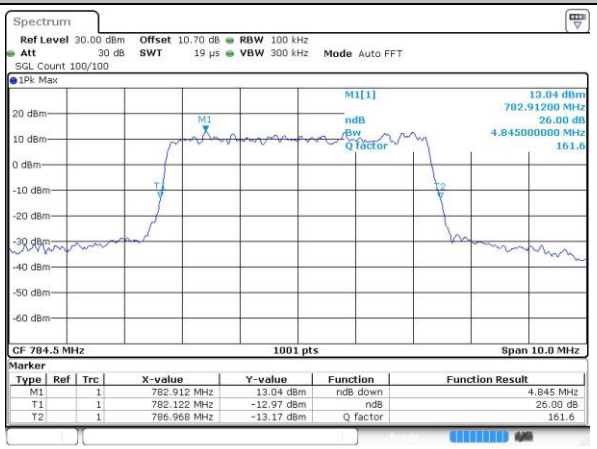
Middle Channel / 5MHz / QPSK



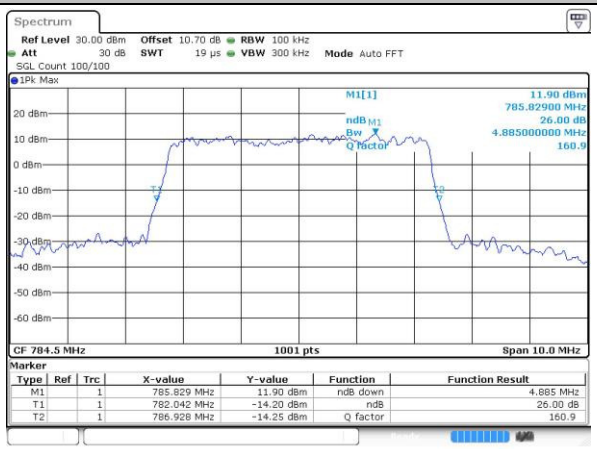
Middle Channel / 5MHz / 16QAM

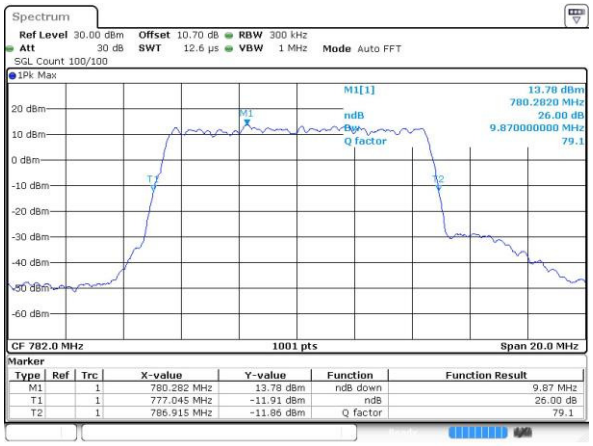
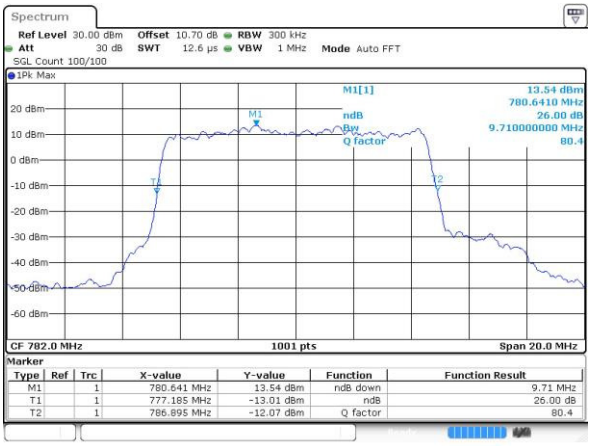


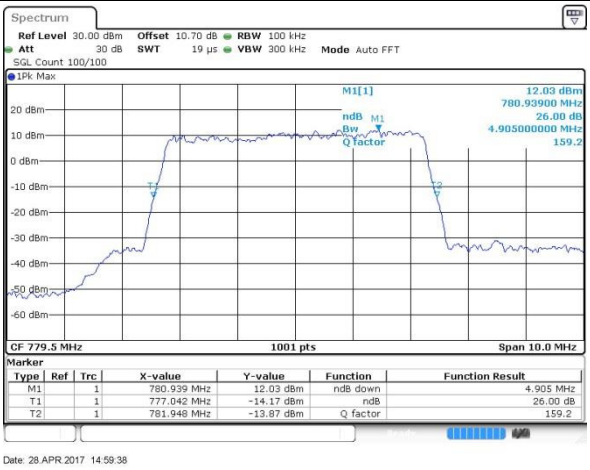
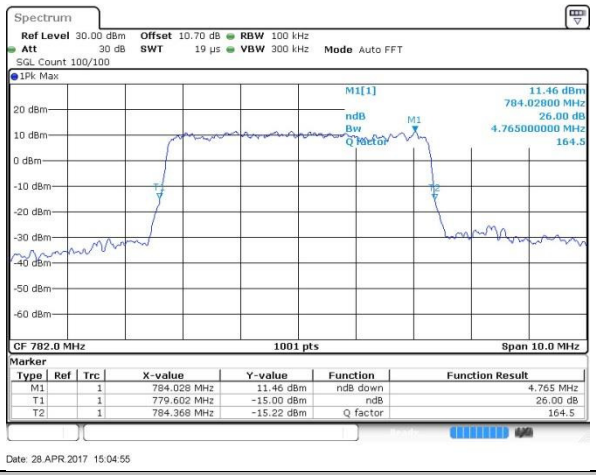
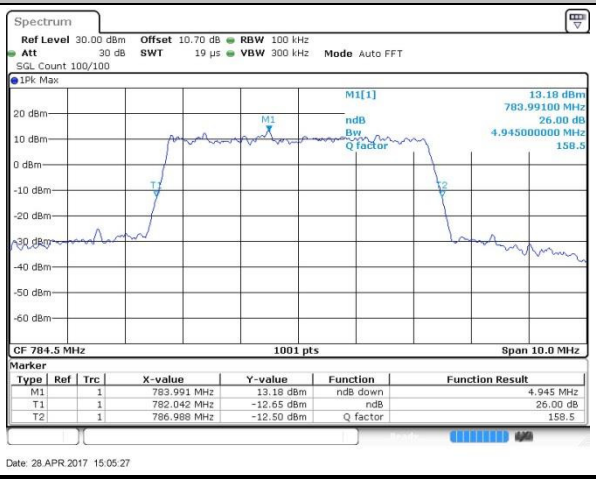
Highest Channel / 5MHz / QPSK

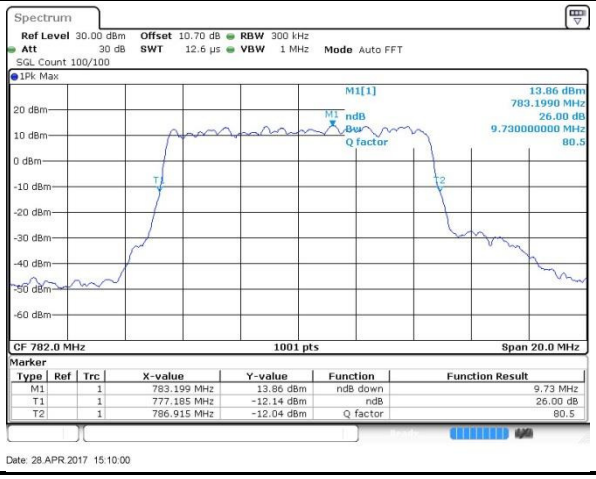


Highest Channel / 5MHz / 16QAM



LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

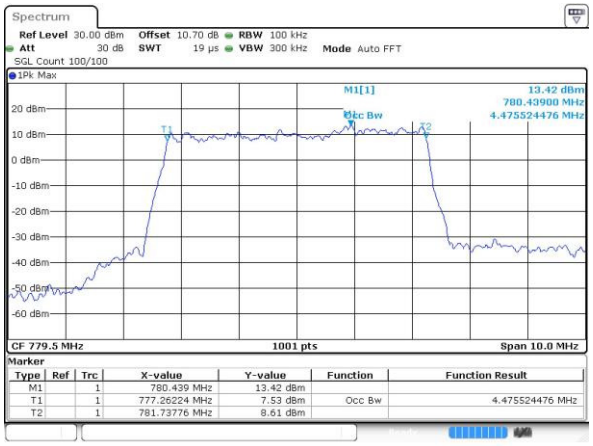
LTE Band 13	
	Middle Channel / 10MHz / 64QAM
	

Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.48	9.01	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.5	-	-	-	-	-	-
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	-	4.50	-	8.97	-	-	-	-
Highest CH	-	-	-	-	-	4.49	-	-	-	-	-	-

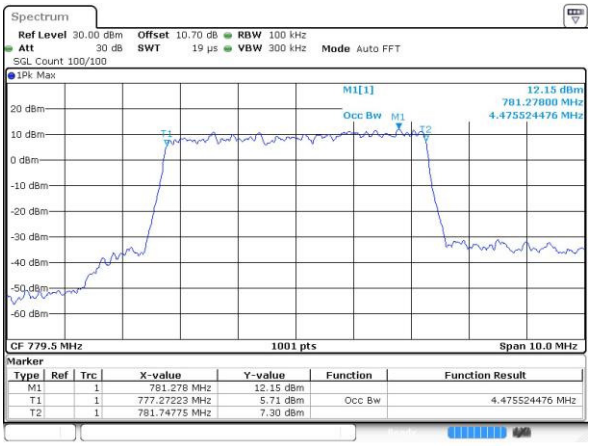
LTE Band 13

Lowest Channel / 5MHz / QPSK



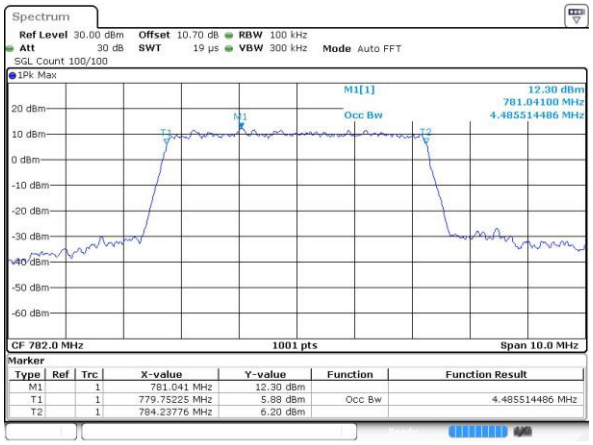
Date: 21.APR.2017 16:40:51

Lowest Channel / 5MHz / 16QAM



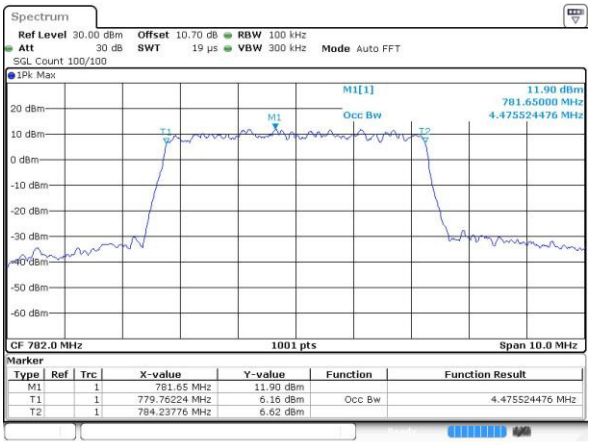
Date: 21.APR.2017 16:41:01

Middle Channel / 5MHz / QPSK



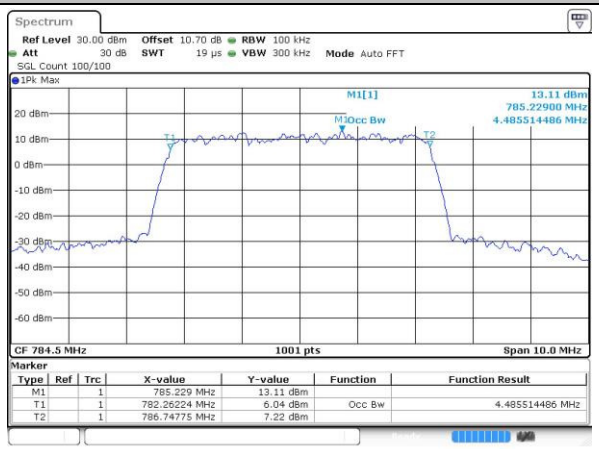
Date: 21.APR.2017 16:52:18

Middle Channel / 5MHz / 16QAM



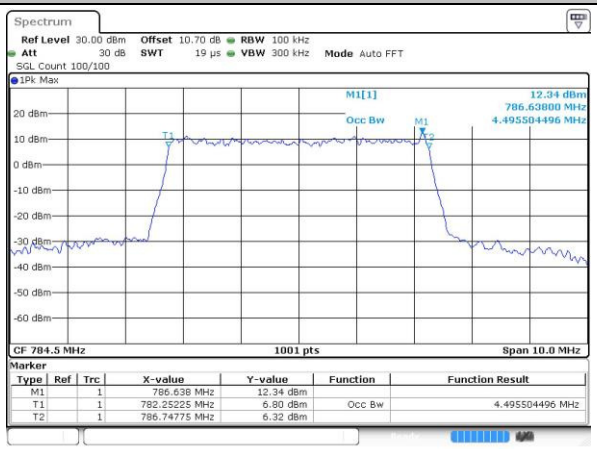
Date: 21.APR.2017 16:52:07

Highest Channel / 5MHz / QPSK

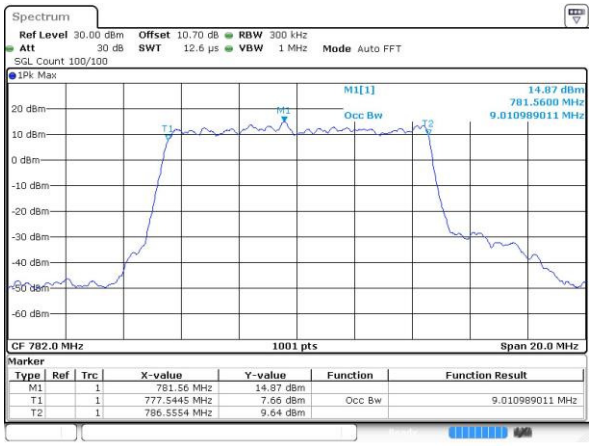
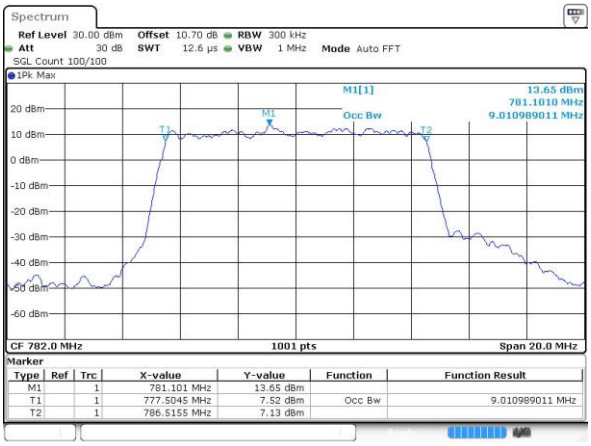


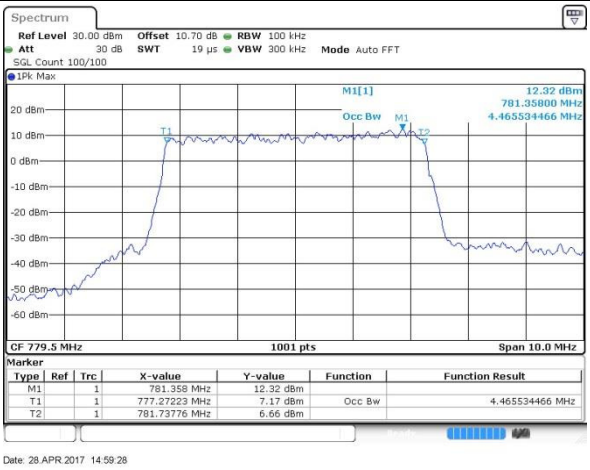
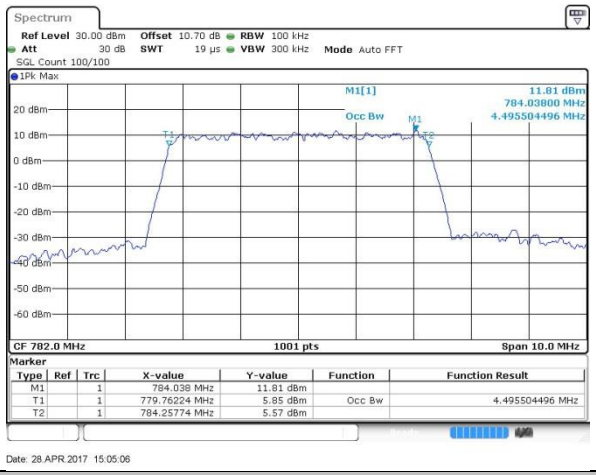
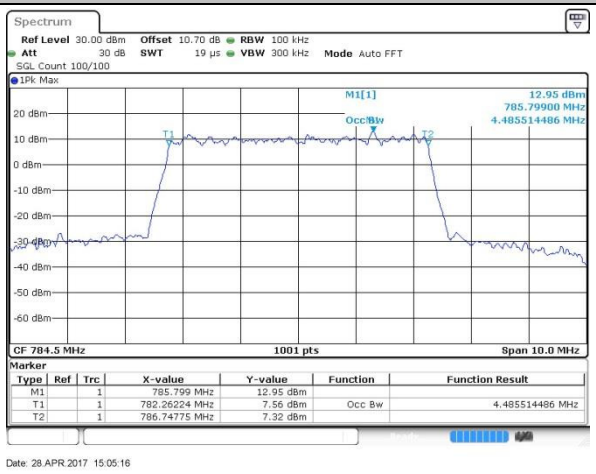
Date: 21.APR.2017 16:52:29

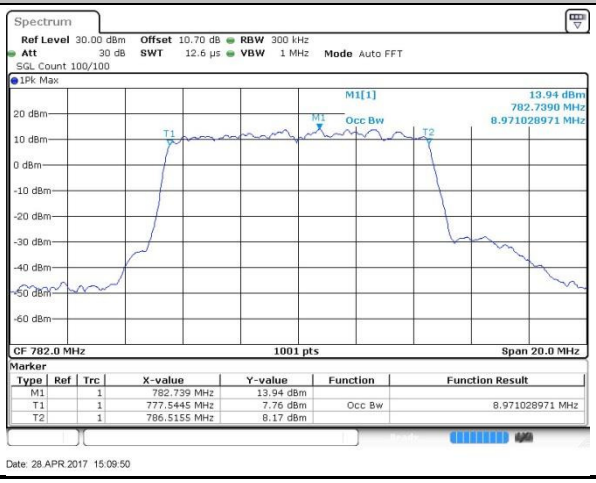
Highest Channel / 5MHz / 16QAM



Date: 21.APR.2017 16:52:39

LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

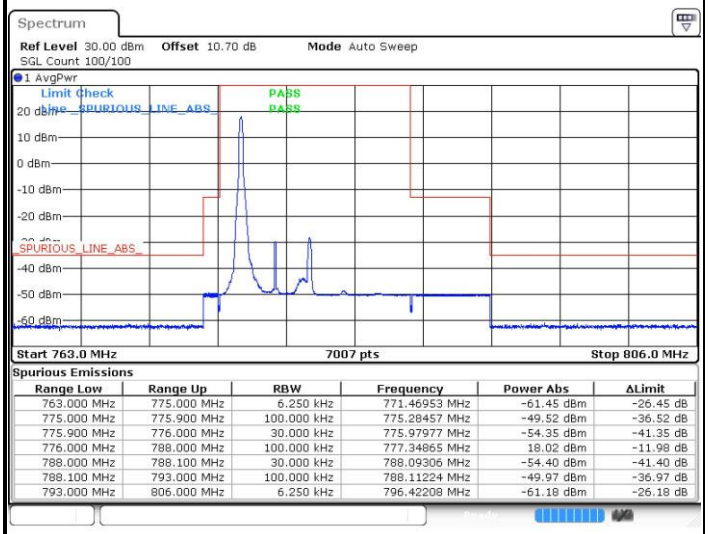
LTE Band 13	
	Lowest Channel / 5MHz / 64QAM
	
	Middle Channel / 5MHz / 64QAM
	
	Highest Channel / 5MHz / 64QAM
	

LTE Band 13	
	Middle Channel / 10MHz / 64QAM
	

Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.46953 MHz	-61.45 dBm	-26.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.28457 MHz	-49.52 dBm	-36.52 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97977 MHz	-54.35 dBm	-41.35 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	18.02 dBm	-11.98 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09306 MHz	-54.40 dBm	-41.40 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-49.97 dBm	-36.97 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.42208 MHz	-61.18 dBm	-26.18 dB

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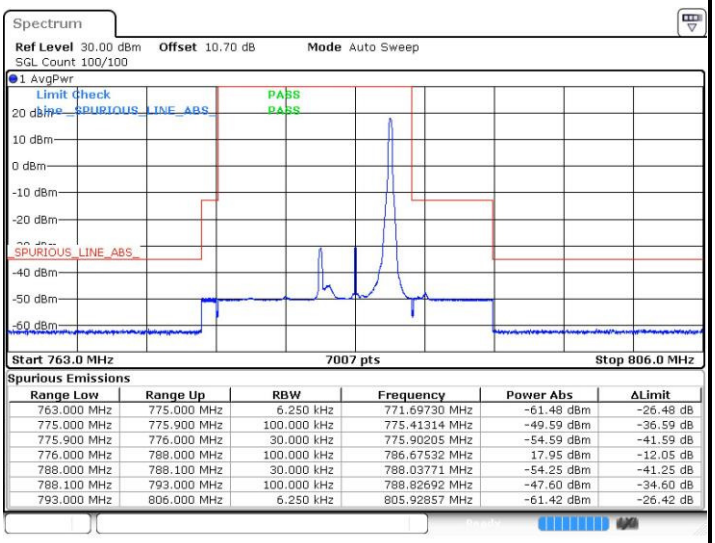
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.69730 MHz	-61.48 dBm	-26.48 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.41314 MHz	-49.59 dBm	-36.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90205 MHz	-54.59 dBm	-41.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.67532 MHz	17.95 dBm	-12.05 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03771 MHz	-54.25 dBm	-41.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.82692 MHz	-47.60 dBm	-34.60 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.92857 MHz	-61.42 dBm	-26.42 dB

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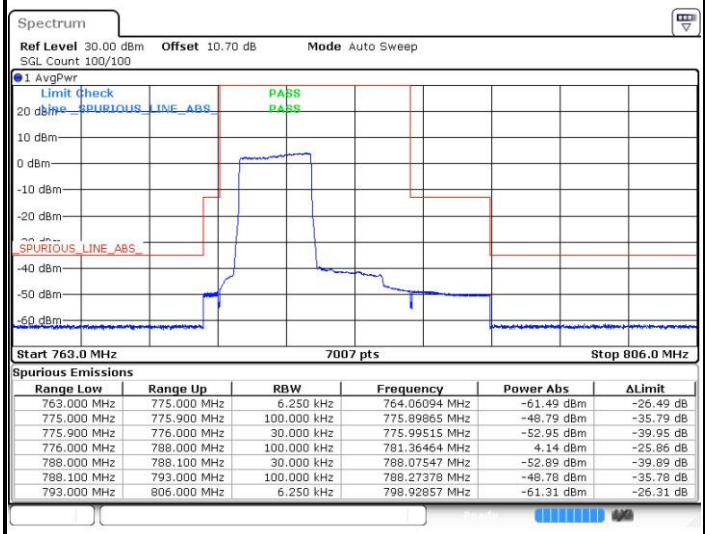
Lowest Band Edge / Full RB

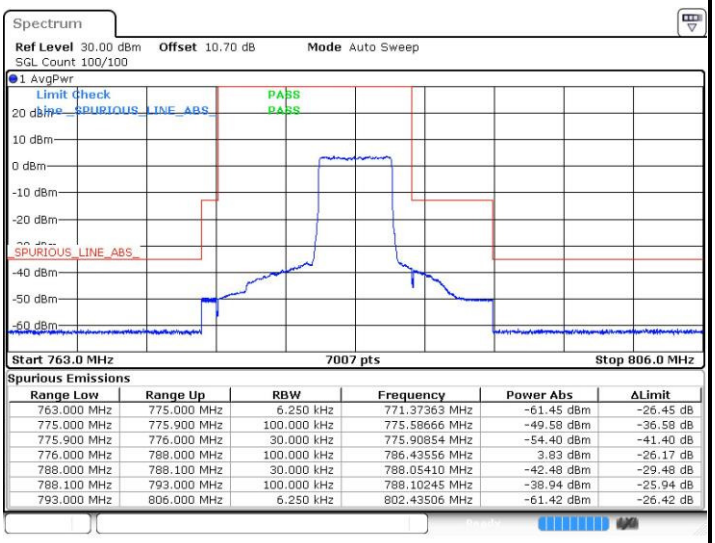


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.06094 MHz	-61.49 dBm	-26.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-48.79 dBm	-35.79 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99515 MHz	-52.95 dBm	-39.95 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.36464 MHz	4.14 dBm	-25.86 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07547 MHz	-52.89 dBm	-39.89 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27378 MHz	-48.78 dBm	-35.78 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.92857 MHz	-61.31 dBm	-26.31 dB

Date: 21.APR.2017 16:43:01

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.37363 MHz	-61.45 dBm	-26.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.58666 MHz	-49.58 dBm	-36.58 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90854 MHz	-54.40 dBm	-41.40 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.43556 MHz	3.83 dBm	-26.17 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05410 MHz	-42.48 dBm	-29.48 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-38.94 dBm	-25.94 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.43506 MHz	-61.42 dBm	-26.42 dB

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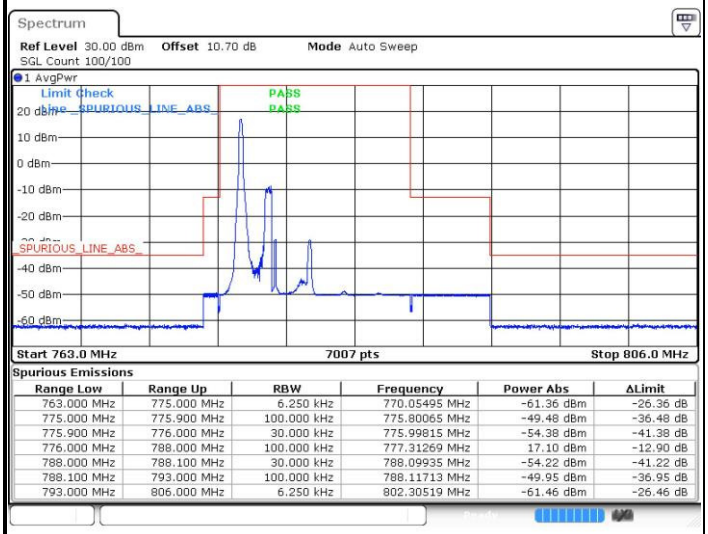
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge /1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.05495 MHz	-61.36 dBm	-26.36 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80065 MHz	-49.48 dBm	-36.48 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99815 MHz	-54.38 dBm	-41.38 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	17.10 dBm	-12.90 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09935 MHz	-54.22 dBm	-41.22 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-49.95 dBm	-36.95 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.30519 MHz	-61.46 dBm	-26.46 dB

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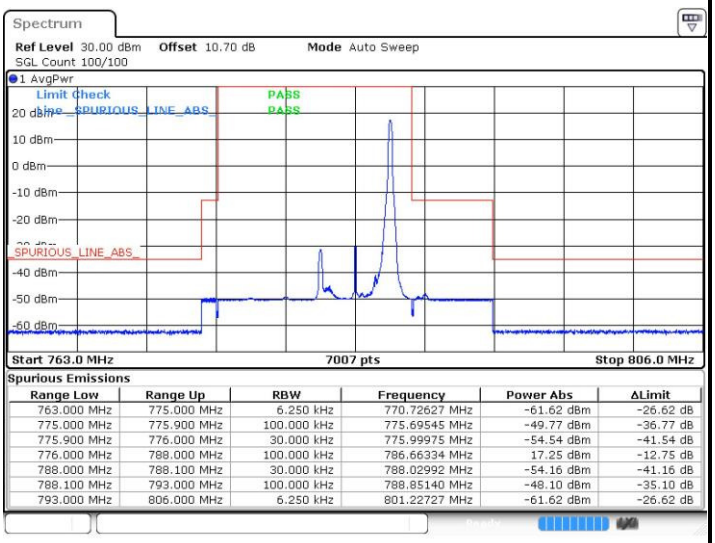
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.72627 MHz	-61.62 dBm	-26.62 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.69545 MHz	-49.77 dBm	-36.77 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99975 MHz	-54.54 dBm	-41.54 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	17.25 dBm	-12.75 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02992 MHz	-54.16 dBm	-41.16 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.85140 MHz	-48.10 dBm	-35.10 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.22727 MHz	-61.62 dBm	-26.62 dB

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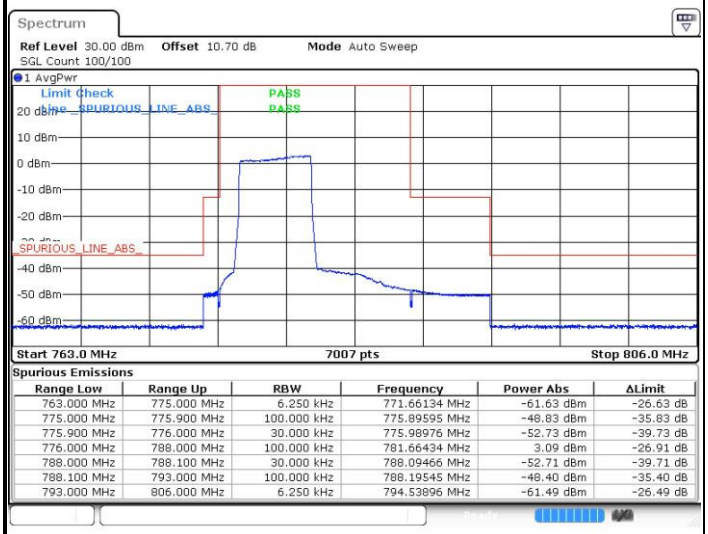
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.66134 MHz	-61.63 dBm	-26.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-48.83 dBm	-35.83 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98976 MHz	-52.73 dBm	-39.73 dB
776.000 MHz	788.000 MHz	100.000 kHz	781.66434 MHz	3.09 dBm	-26.91 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09466 MHz	-52.71 dBm	-39.71 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.19545 MHz	-48.40 dBm	-35.40 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.53896 MHz	-61.49 dBm	-26.49 dB

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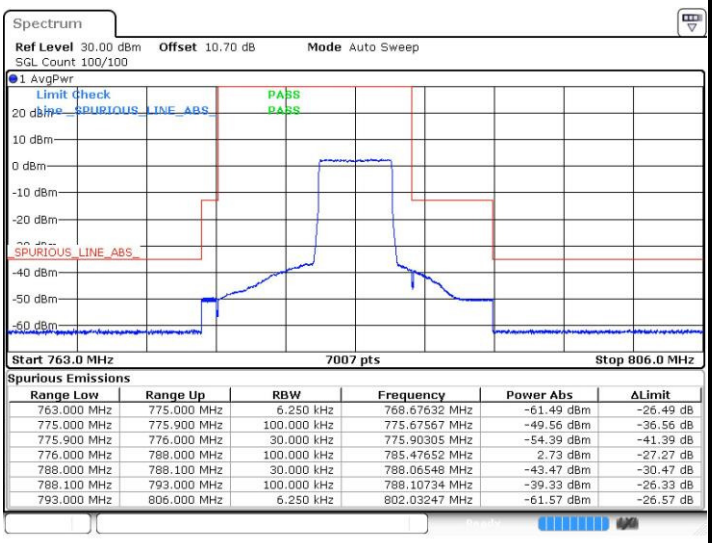
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.67632 MHz	-61.49 dBm	-26.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.67567 MHz	-49.56 dBm	-36.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90305 MHz	-54.39 dBm	-41.39 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.47652 MHz	2.73 dBm	-27.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06548 MHz	-43.47 dBm	-30.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-39.33 dBm	-26.33 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.03247 MHz	-61.57 dBm	-26.57 dB

Date: 21.APR.2017 16:56:18