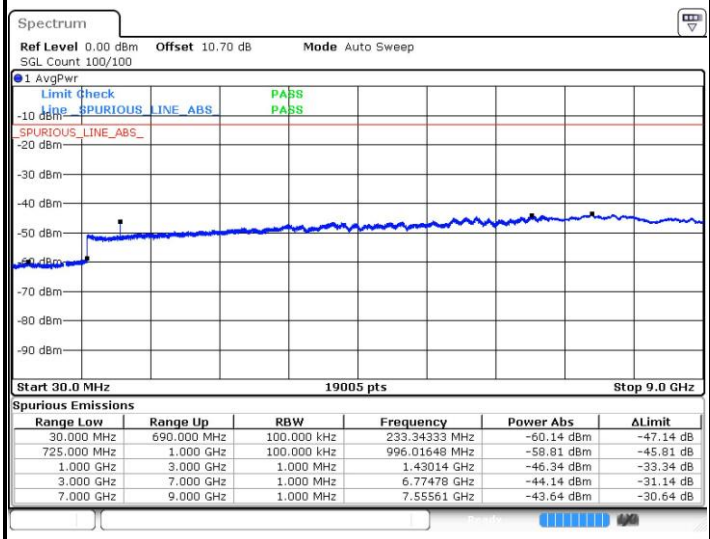
LTE Band 12 / 1.4MHz

Highest Channel / QPSK

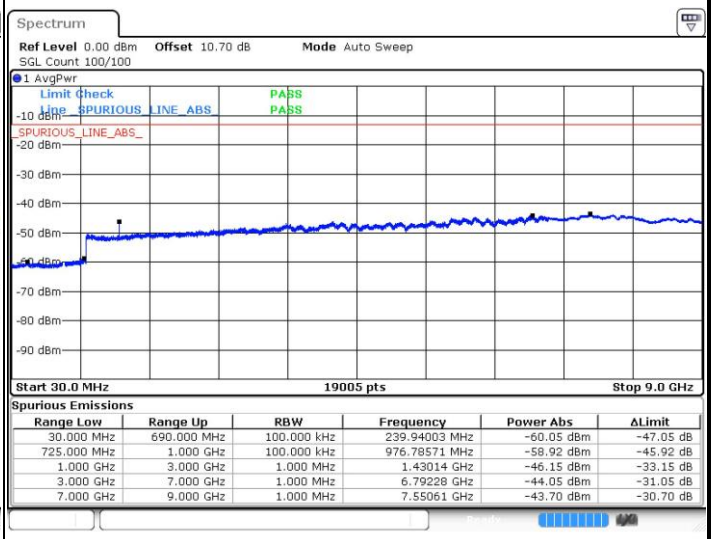


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-60.14 dBm	-47.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.01648 MHz	-58.81 dBm	-45.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77478 GHz	-44.14 dBm	-31.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-43.64 dBm	-30.64 dB

Date: 13.JUN.2018 09:26:07

Highest Channel / 16QAM



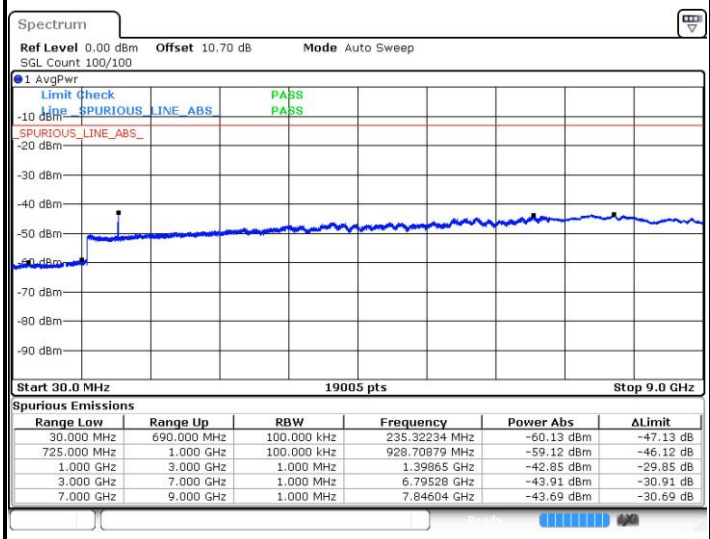
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.94003 MHz	-60.05 dBm	-47.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	976.78571 MHz	-58.92 dBm	-45.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.15 dBm	-33.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-44.05 dBm	-31.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.70 dBm	-30.70 dB

Date: 13.JUN.2018 09:27:01

LTE Band 12 / 3MHz

Lowest Channel / QPSK

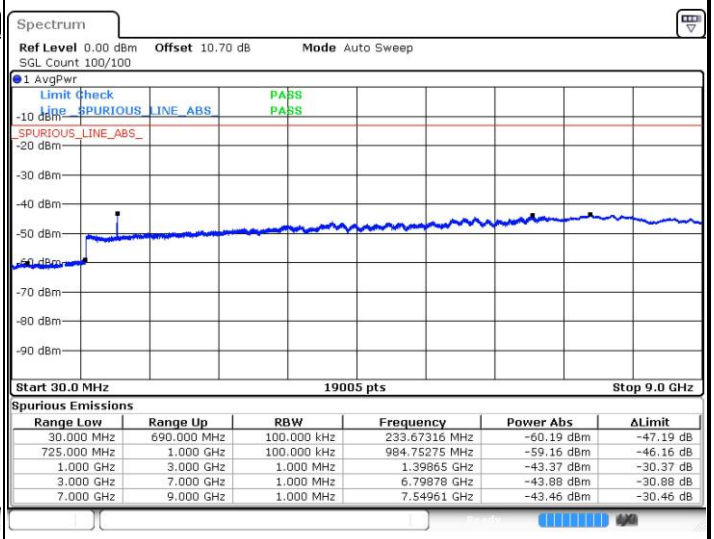


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.32234 MHz	-60.13 dBm	-47.13 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.70879 MHz	-59.12 dBm	-46.12 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.85 dBm	-29.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79528 GHz	-43.91 dBm	-30.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.84604 GHz	-43.69 dBm	-30.69 dB

Date: 13.JUN.2018 00:54:32

Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.67316 MHz	-60.19 dBm	-47.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.75275 MHz	-59.16 dBm	-46.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.37 dBm	-30.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-43.88 dBm	-30.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.46 dBm	-30.46 dB

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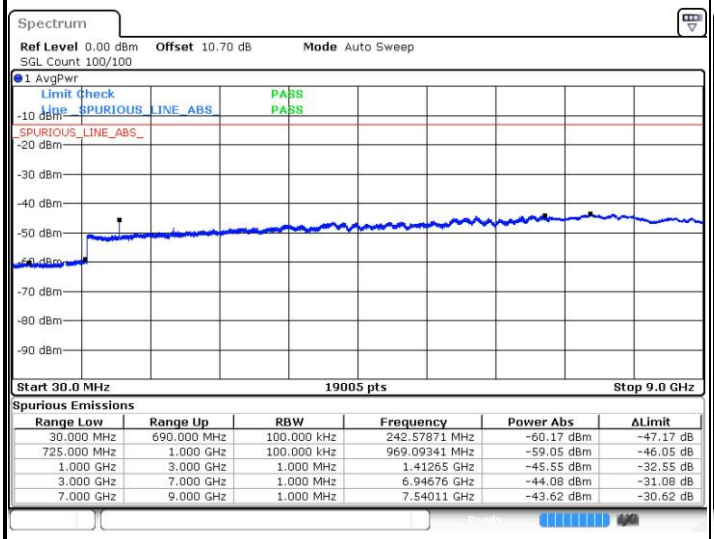
LTE Band 12 / 3MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	242.57871 MHz	-60.17 dBm	-47.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	969.09341 MHz	-59.05 dBm	-46.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.55 dBm	-32.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94676 GHz	-44.08 dBm	-31.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54011 GHz	-43.62 dBm	-30.62 dB

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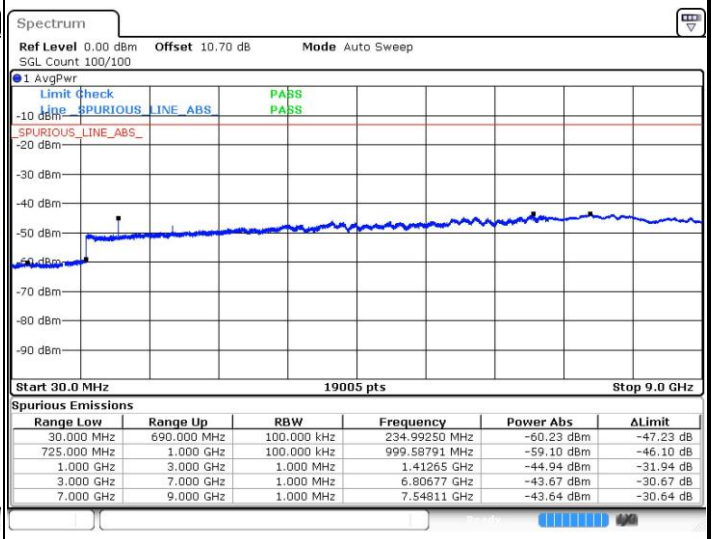
Middle Channel / 16QAM

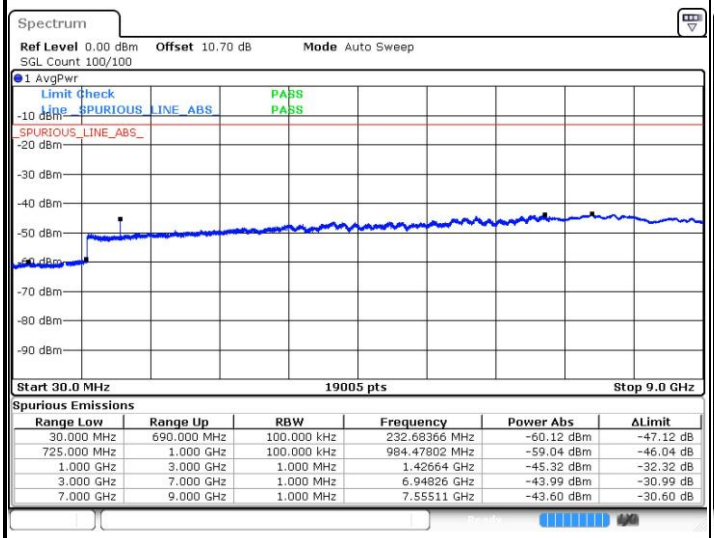


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.99250 MHz	-60.23 dBm	-47.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-59.10 dBm	-46.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-44.94 dBm	-31.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80677 GHz	-43.67 dBm	-30.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-43.64 dBm	-30.64 dB

Date: 13.JUN.2018 00:57:02

Highest Channel / QPSK

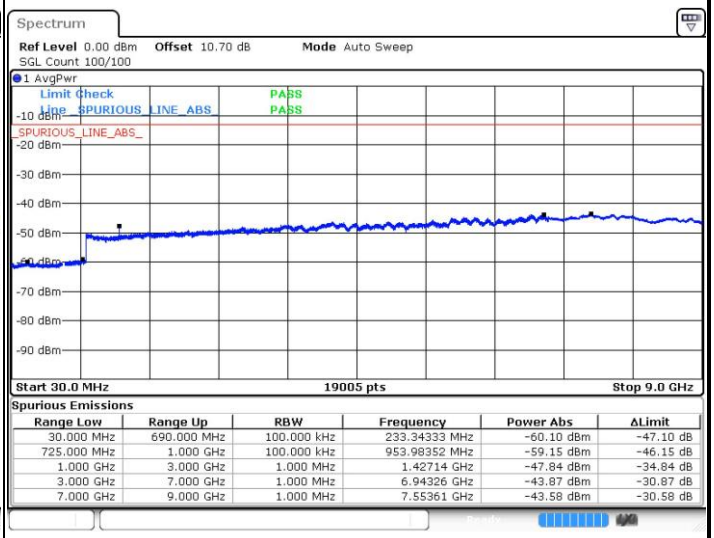


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.68366 MHz	-60.12 dBm	-47.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.47802 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-45.32 dBm	-32.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94826 GHz	-43.99 dBm	-30.99 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.60 dBm	-30.60 dB

Date: 13.JUN.2018 01:04:09

Highest Channel / 16QAM



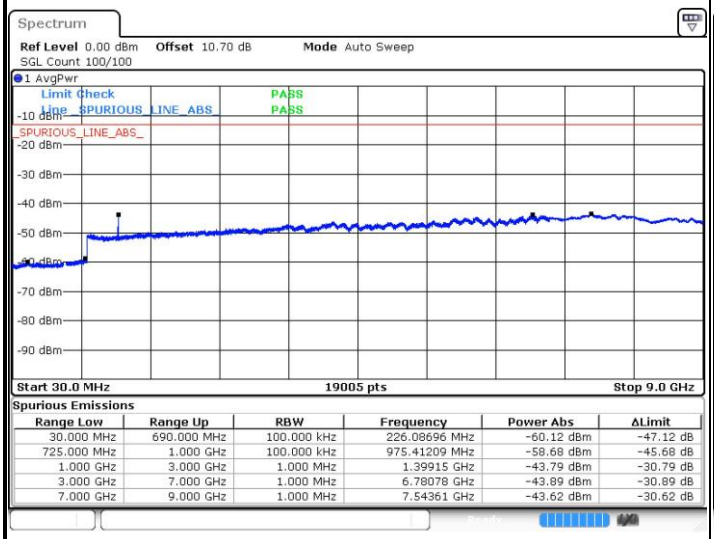
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-60.10 dBm	-47.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.98352 MHz	-59.15 dBm	-46.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-47.84 dBm	-34.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94326 GHz	-43.87 dBm	-30.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55361 GHz	-43.58 dBm	-30.58 dB

Date: 13.JUN.2018 01:05:03

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	226.08696 MHz	-60.12 dBm	-47.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.41209 MHz	-58.68 dBm	-45.68 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.79 dBm	-30.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78078 GHz	-43.89 dBm	-30.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54361 GHz	-43.62 dBm	-30.62 dB

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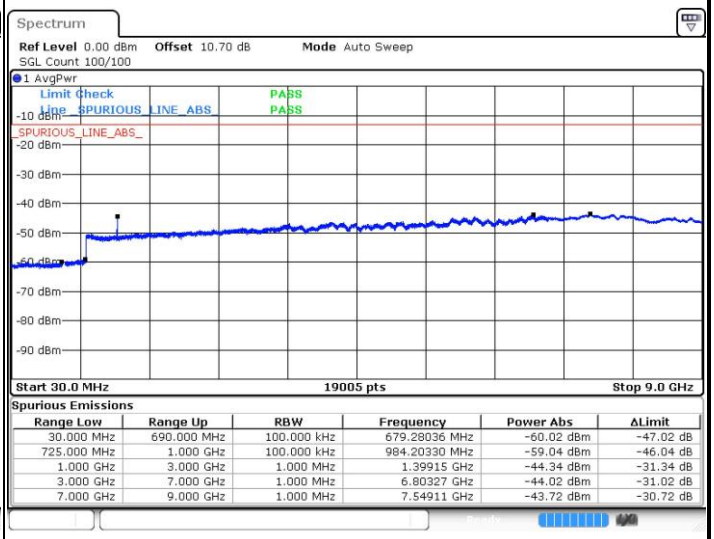
Lowest Channel / 16QAM

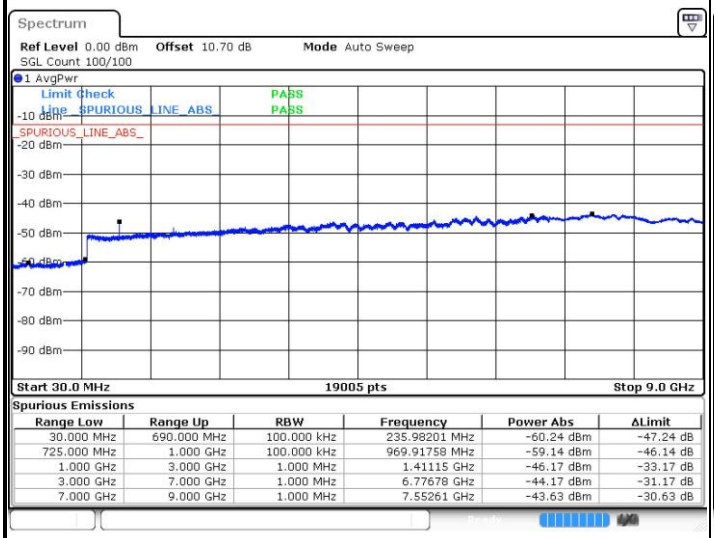


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.28036 MHz	-60.02 dBm	-47.02 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.20330 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.34 dBm	-31.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80327 GHz	-44.02 dBm	-31.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-43.72 dBm	-30.72 dB

Date: 13.JUN.2018 01:12:11

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-60.24 dBm	-47.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	969.91758 MHz	-59.14 dBm	-46.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.17 dBm	-33.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77678 GHz	-44.17 dBm	-31.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.63 dBm	-30.63 dB

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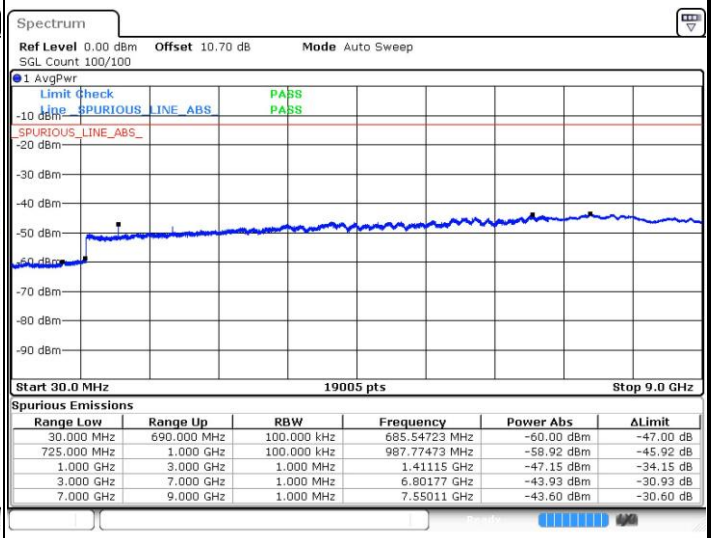
Middle Channel / 16QAM



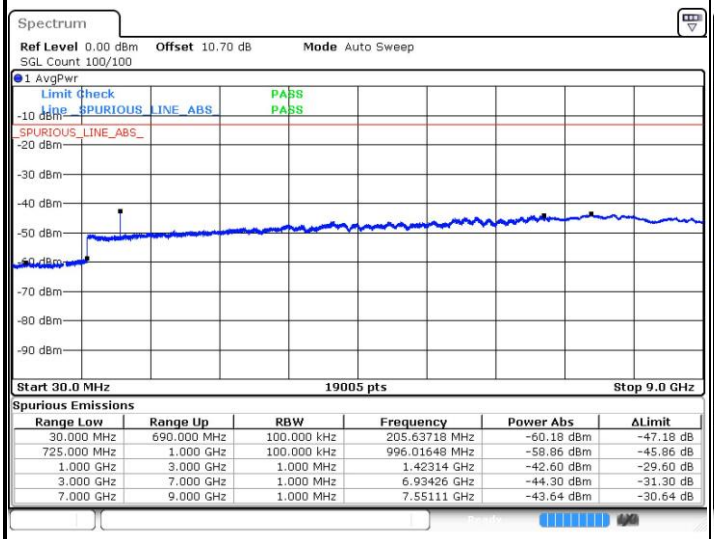
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-60.00 dBm	-47.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	987.77473 MHz	-58.92 dBm	-45.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-47.15 dBm	-34.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80177 GHz	-43.93 dBm	-30.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.60 dBm	-30.60 dB

Date: 13.JUN.2018 01:15:22

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	205.63718 MHz	-60.18 dBm	-47.18 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.01648 MHz	-58.86 dBm	-45.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-42.60 dBm	-29.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93426 GHz	-44.30 dBm	-31.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55111 GHz	-43.64 dBm	-30.64 dB

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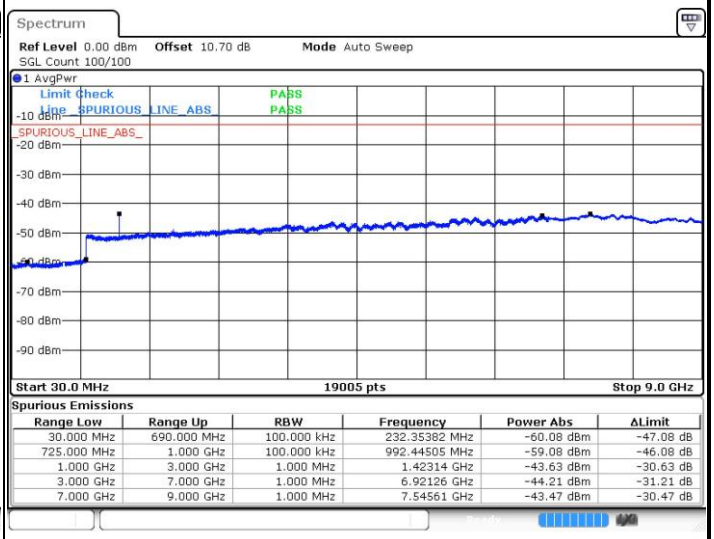
Highest Channel / 16QAM



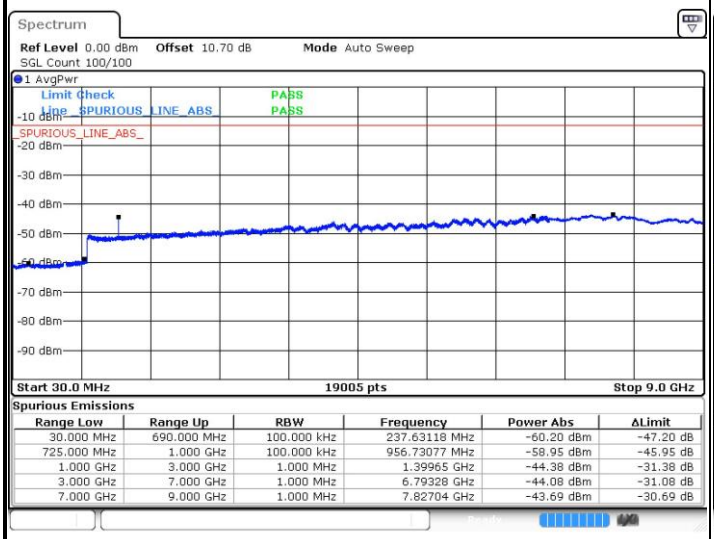
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.35382 MHz	-60.08 dBm	-47.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.44505 MHz	-59.08 dBm	-46.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.63 dBm	-30.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92126 GHz	-44.21 dBm	-31.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-43.47 dBm	-30.47 dB

Date: 13.JUN.2018 01:22:29

LTE Band 12 / 10MHz

Lowest Channel / QPSK

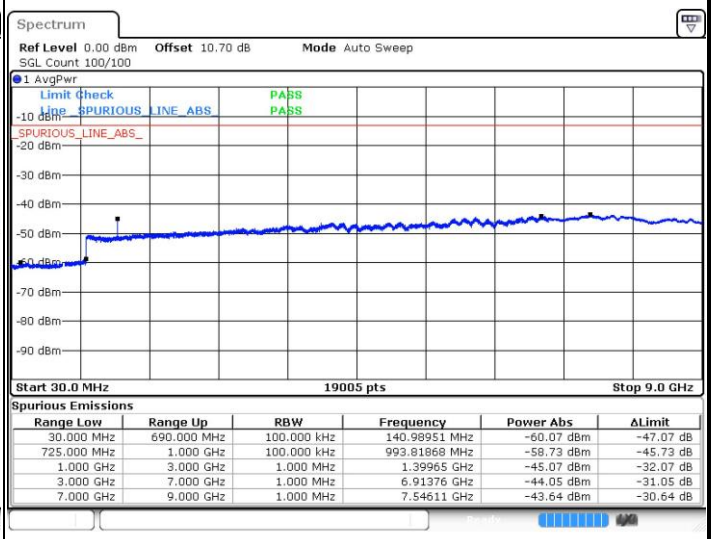


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	237.63118 MHz	-60.20 dBm	-47.20 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.73077 MHz	-58.95 dBm	-45.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-44.38 dBm	-31.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79328 GHz	-44.08 dBm	-31.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.82704 GHz	-43.69 dBm	-30.69 dB

Date: 13.JUN.2018 01:29:36

Lowest Channel / 16QAM



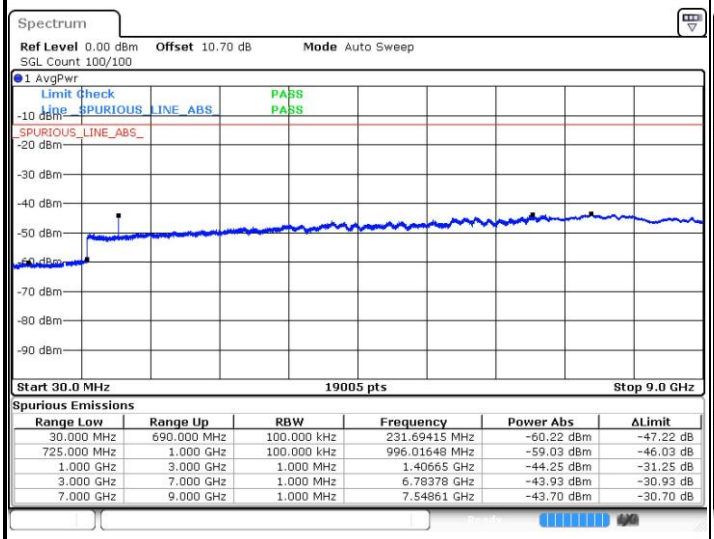
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	140.98951 MHz	-60.07 dBm	-47.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.81868 MHz	-58.73 dBm	-45.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.07 dBm	-32.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91376 GHz	-44.05 dBm	-31.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54611 GHz	-43.64 dBm	-30.64 dB

Date: 13.JUN.2018 01:30:31

LTE Band 12 / 10MHz

Middle Channel / QPSK

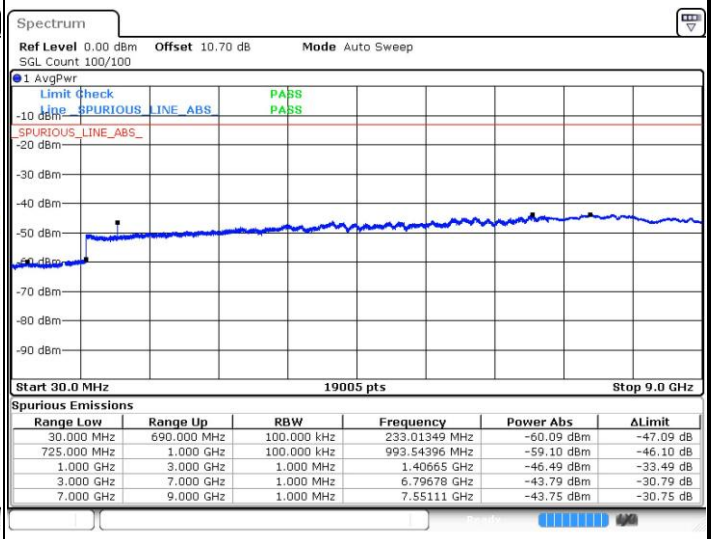


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.69415 MHz	-60.22 dBm	-47.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.01648 MHz	-59.03 dBm	-46.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.25 dBm	-31.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78378 GHz	-43.93 dBm	-30.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-43.70 dBm	-30.70 dB

Date: 13.JUN.2018 01:33:01

Middle Channel / 16QAM

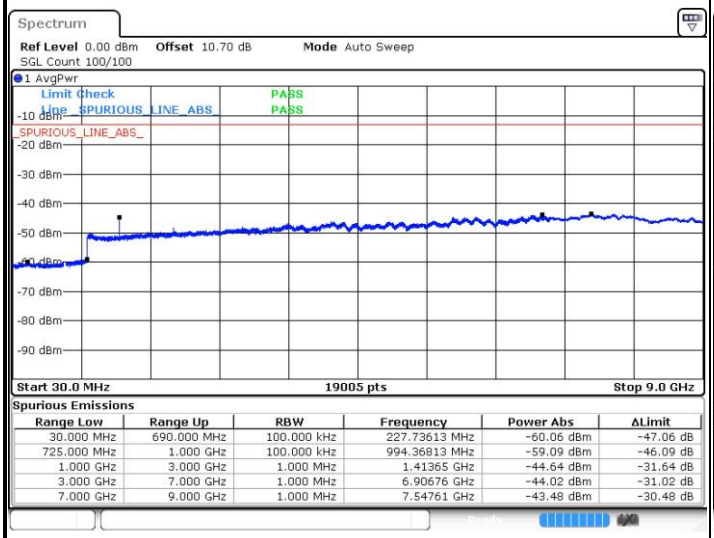


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-60.09 dBm	-47.09 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.54396 MHz	-59.10 dBm	-46.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79678 GHz	-43.79 dBm	-30.79 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55111 GHz	-43.75 dBm	-30.75 dB

Date: 13.JUN.2018 01:32:07

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	227.73613 MHz	-60.06 dBm	-47.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-59.09 dBm	-46.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-44.64 dBm	-31.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90676 GHz	-44.02 dBm	-31.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.48 dBm	-30.48 dB

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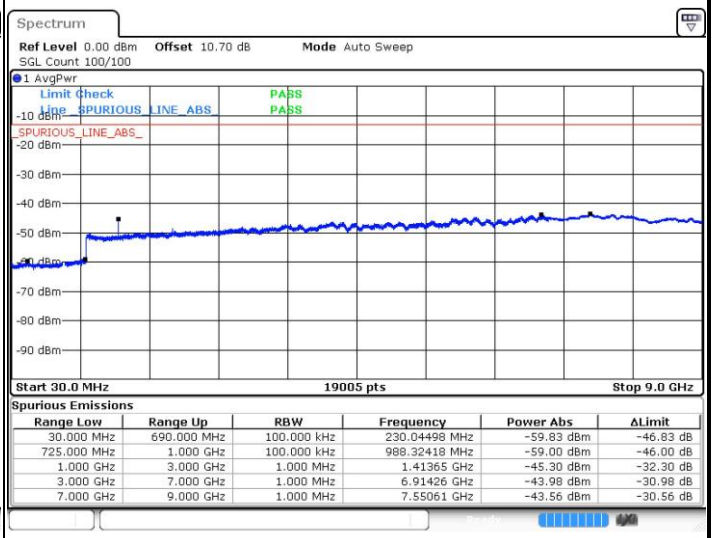
Highest Channel / 16QAM



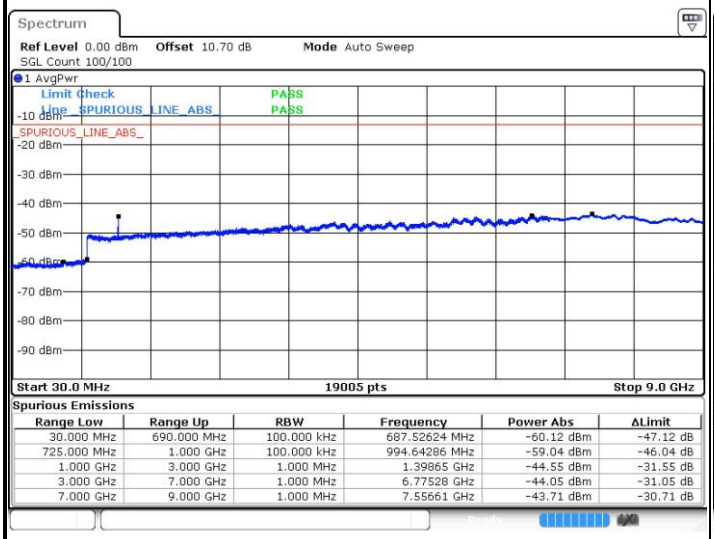
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.04498 MHz	-59.83 dBm	-46.83 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.32418 MHz	-59.00 dBm	-46.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91426 GHz	-43.98 dBm	-30.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.56 dBm	-30.56 dB

Date: 13.JUN.2018 01:40:09

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

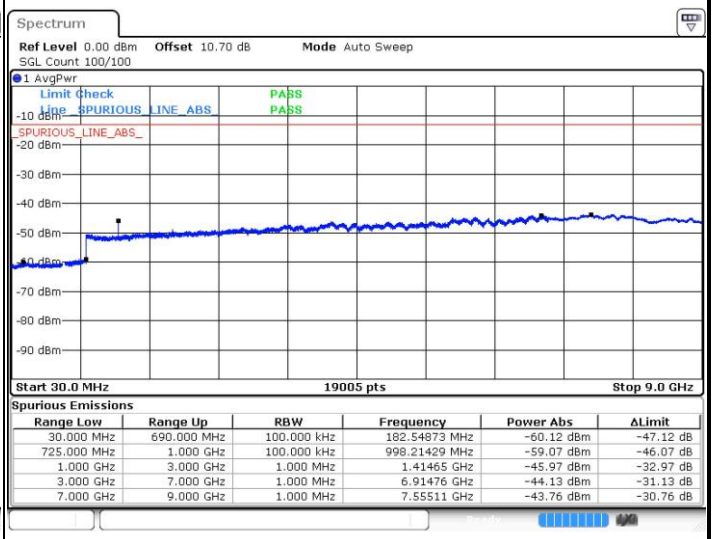


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.52624 MHz	-60.12 dBm	-47.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.64286 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.55 dBm	-31.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77528 GHz	-44.05 dBm	-31.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55661 GHz	-43.71 dBm	-30.71 dB

Date: 13.JUN.2018 09:55:43

Middle Channel / 64QAM

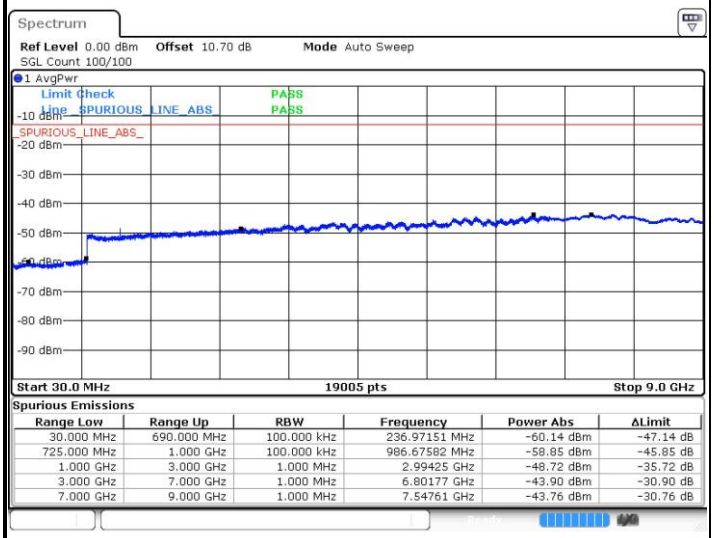


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	182.54873 MHz	-60.12 dBm	-47.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-59.07 dBm	-46.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.97 dBm	-32.97 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91476 GHz	-44.13 dBm	-31.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.76 dBm	-30.76 dB

Date: 13.JUN.2018 09:56:59

Highest Channel / 64QAM



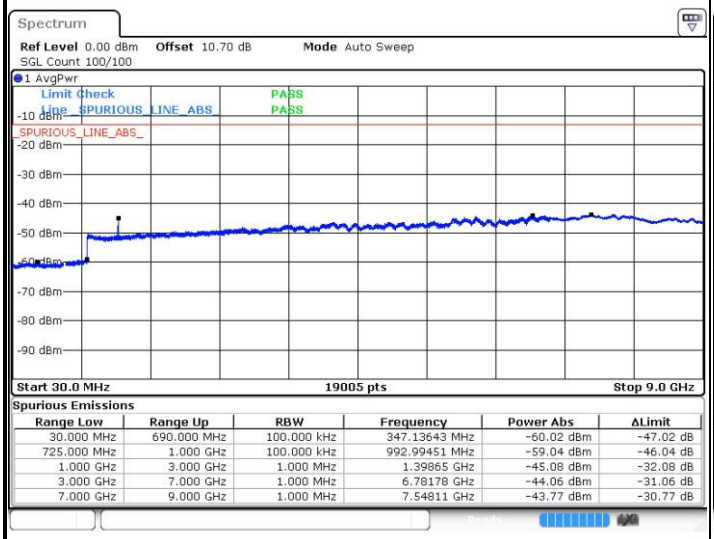
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.97151 MHz	-60.14 dBm	-47.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.67582 MHz	-58.85 dBm	-45.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99425 GHz	-48.72 dBm	-35.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80177 GHz	-43.90 dBm	-30.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.76 dBm	-30.76 dB

Date: 13.JUN.2018 10:00:32

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

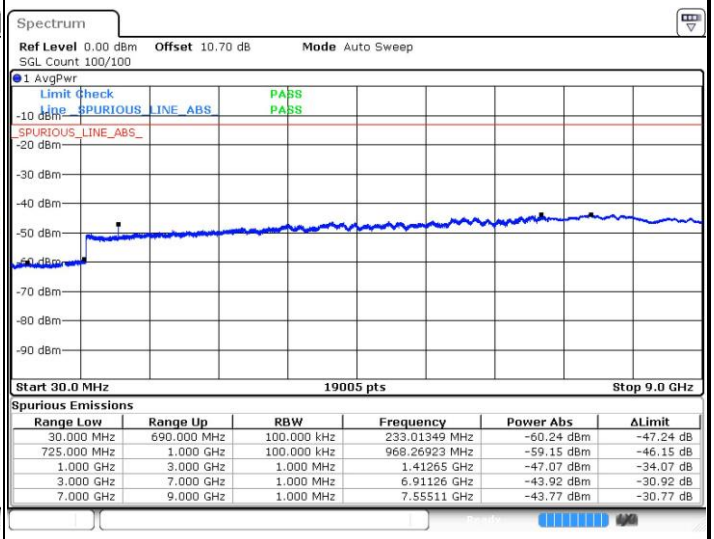


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	347.13643 MHz	-60.02 dBm	-47.02 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.99451 MHz	-59.04 dBm	-46.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.08 dBm	-32.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78178 GHz	-44.06 dBm	-31.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-43.77 dBm	-30.77 dB

Date: 13.JUN.2018 09:30:35

Middle Channel / 64QAM

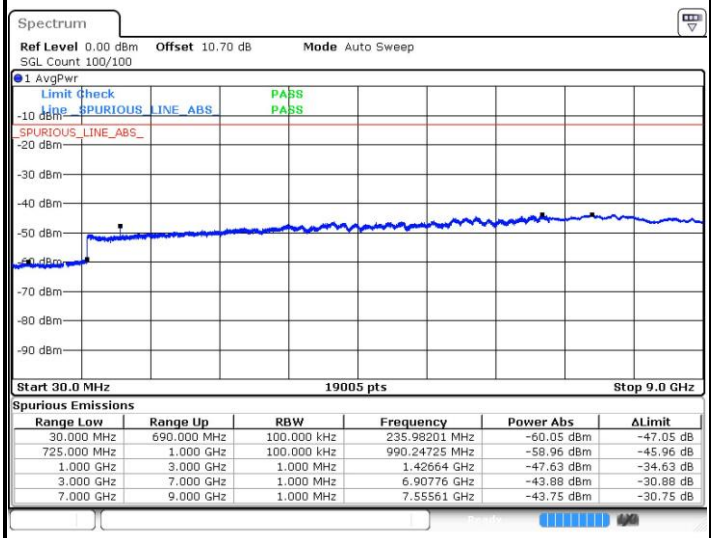


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-60.24 dBm	-47.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	968.26923 MHz	-59.15 dBm	-46.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-47.07 dBm	-34.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91126 GHz	-43.92 dBm	-30.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55511 GHz	-43.77 dBm	-30.77 dB

Date: 13.JUN.2018 09:31:50

Highest Channel / 64QAM



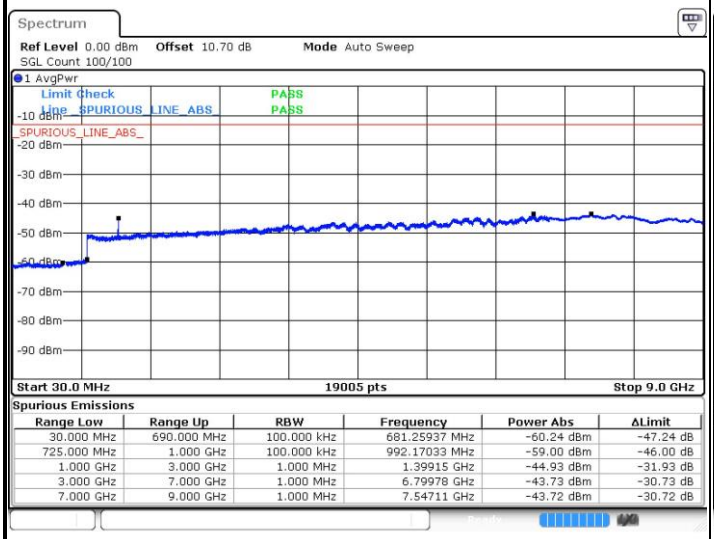
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-60.05 dBm	-47.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.24725 MHz	-58.96 dBm	-45.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-47.63 dBm	-34.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90776 GHz	-43.88 dBm	-30.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-43.75 dBm	-30.75 dB

Date: 13.JUN.2018 09:35:24

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

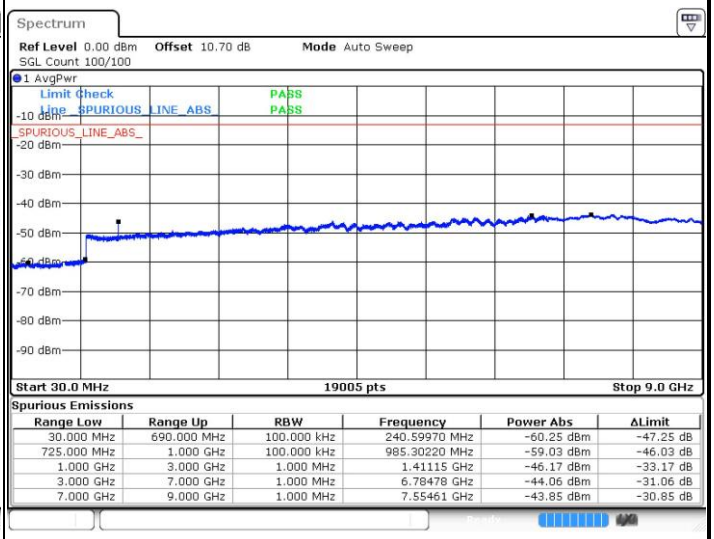


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.25937 MHz	-60.24 dBm	-47.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.17033 MHz	-59.00 dBm	-46.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.93 dBm	-31.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-43.72 dBm	-30.72 dB

Date: 13.JUN.2018 09:38:58

Middle Channel / 64QAM

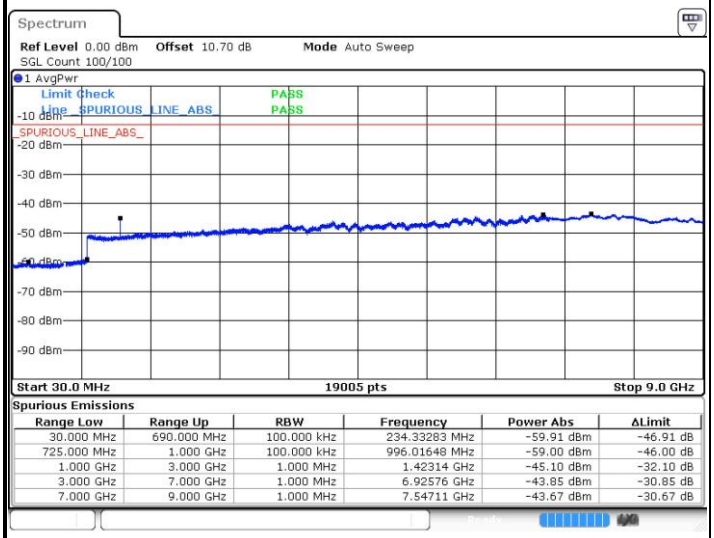


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	240.59970 MHz	-60.25 dBm	-47.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	985.30220 MHz	-59.03 dBm	-46.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.17 dBm	-33.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78478 GHz	-44.06 dBm	-31.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55461 GHz	-43.85 dBm	-30.85 dB

Date: 13.JUN.2018 09:40:13

Highest Channel / 64QAM



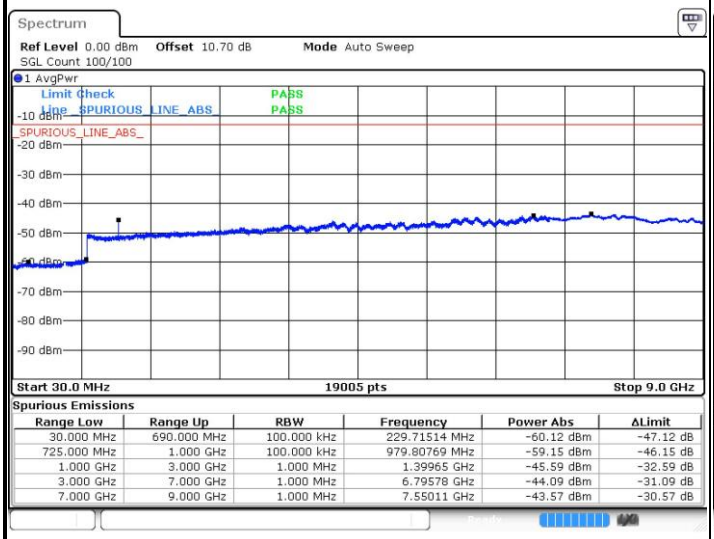
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.33283 MHz	-59.91 dBm	-46.91 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.01648 MHz	-59.00 dBm	-46.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.10 dBm	-32.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92576 GHz	-43.85 dBm	-30.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-43.67 dBm	-30.67 dB

Date: 13.JUN.2018 09:43:47

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

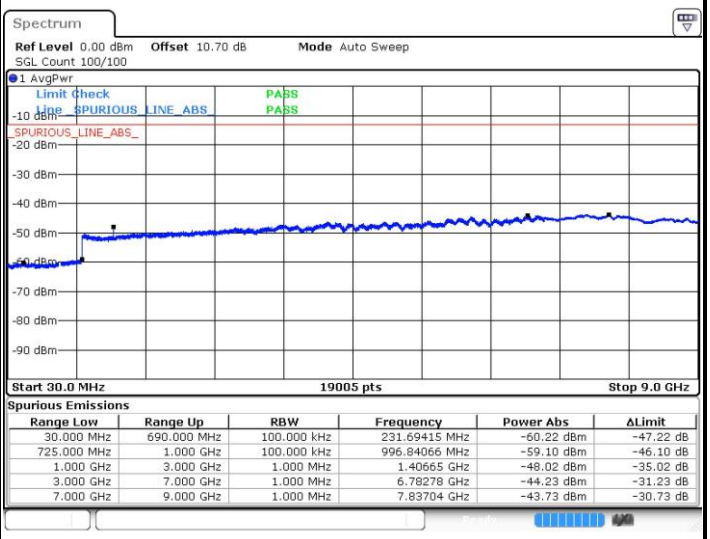


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	229.71514 MHz	-60.12 dBm	-47.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	979.80769 MHz	-59.15 dBm	-46.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.59 dBm	-32.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79578 GHz	-44.09 dBm	-31.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.57 dBm	-30.57 dB

Date: 13.JUN.2018 09:47:21

Middle Channel / 64QAM

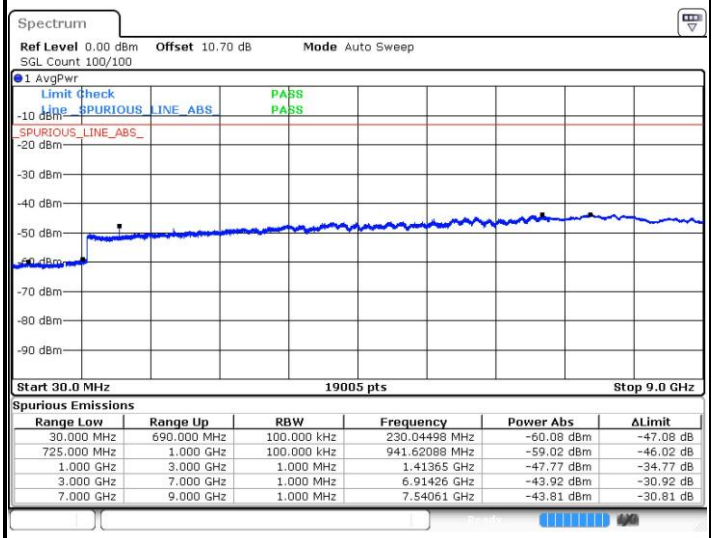


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.69415 MHz	-60.22 dBm	-47.22 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.84066 MHz	-59.10 dBm	-46.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-48.02 dBm	-35.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78278 GHz	-44.23 dBm	-31.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83704 GHz	-43.73 dBm	-30.73 dB

Date: 13.JUN.2018 09:48:36

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.04498 MHz	-60.08 dBm	-47.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	941.62088 MHz	-59.02 dBm	-46.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.77 dBm	-34.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91426 GHz	-43.92 dBm	-30.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54061 GHz	-43.81 dBm	-30.81 dB

Date: 13.JUN.2018 09:52:10

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	0.0028	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0054	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

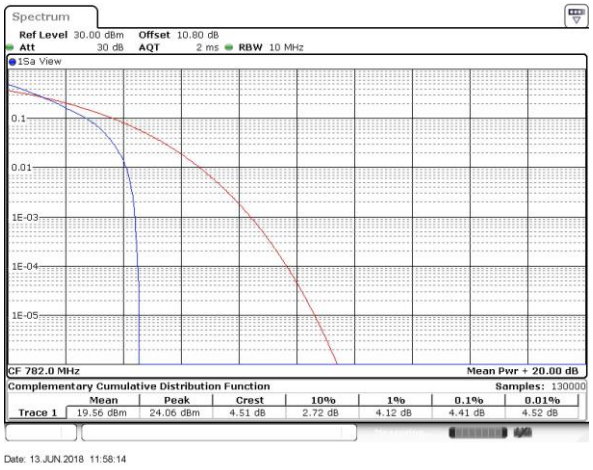
LTE Band 13

Peak-to-Average Ratio

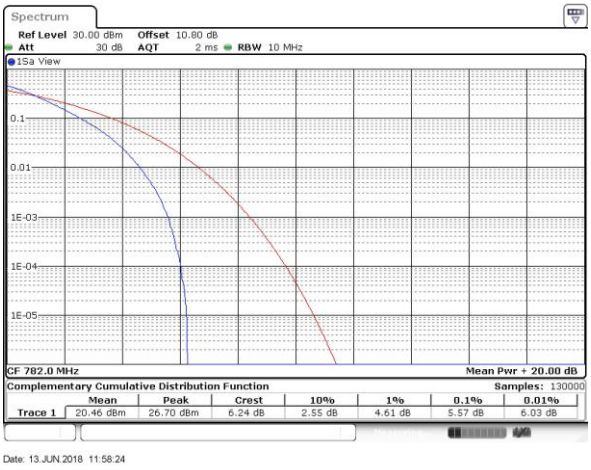
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.41	5.57	5.07	6.41	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.94	6.78	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB



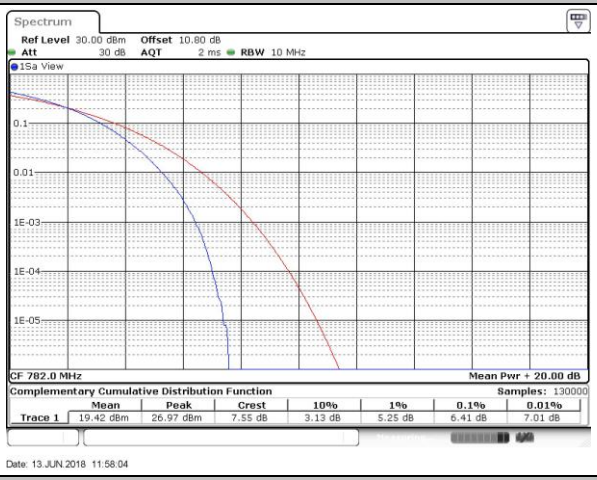
Middle Channel / Full RB



LTE Band 13 / 10MHz / 16QAM

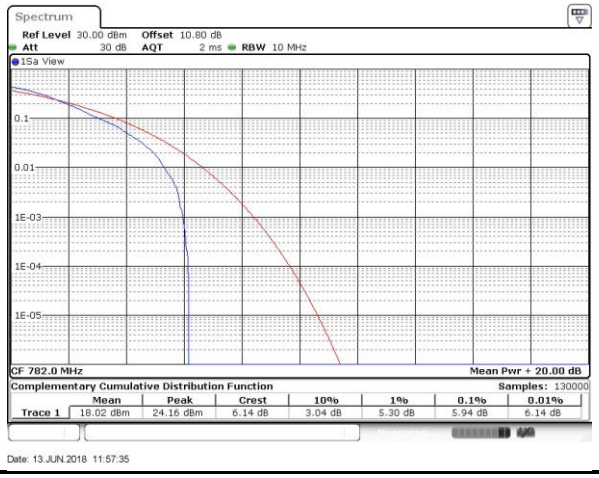
Middle Channel / 1RB

Middle Channel / Full RB

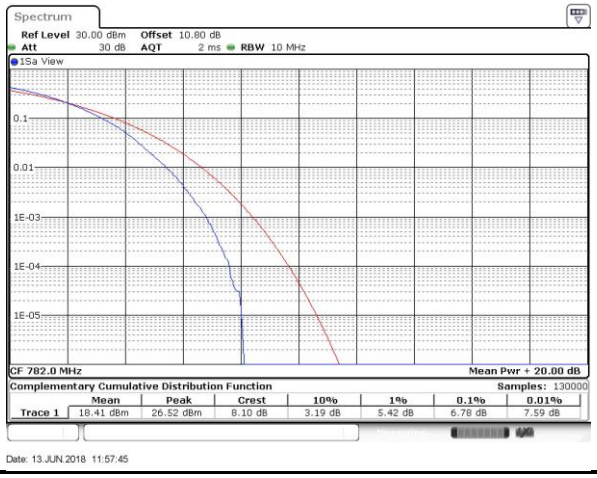


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB

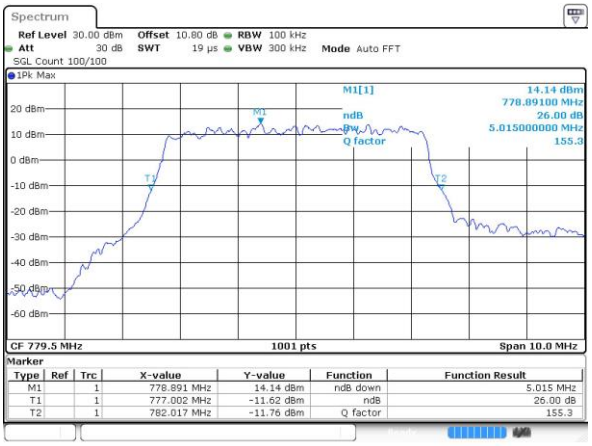


26dB Bandwidth

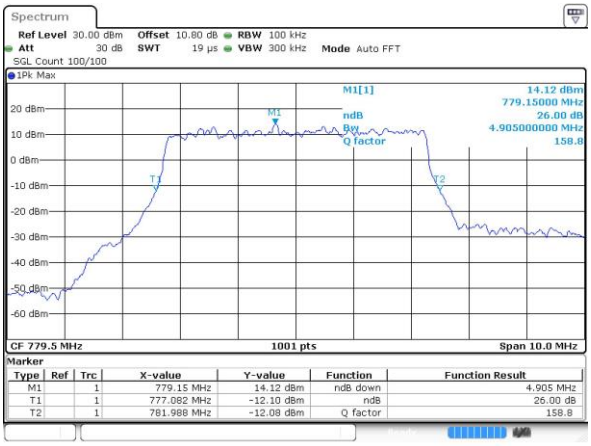
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.02	4.91	-	-	-	-	-	-
Middle CH	-	-	-	-	5.14	5.11	9.93	9.87	-	-	-	-
Highest CH	-	-	-	-	5.04	5.15	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	5.17	-	-	-	-	-	-	-
Middle CH	-	-	-	-	5.00	-	9.93	-	-	-	-	-
Highest CH	-	-	-	-	4.97	-	-	-	-	-	-	-

LTE Band 13

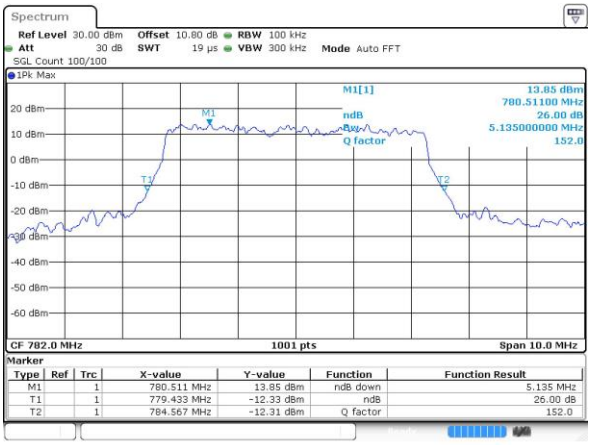
Lowest Channel / 5MHz / QPSK



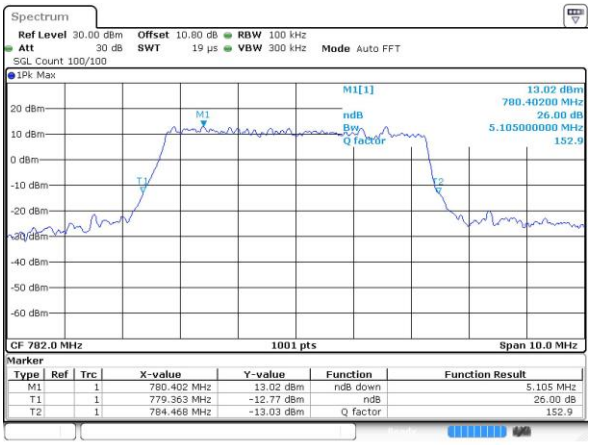
Lowest Channel / 5MHz / 16QAM



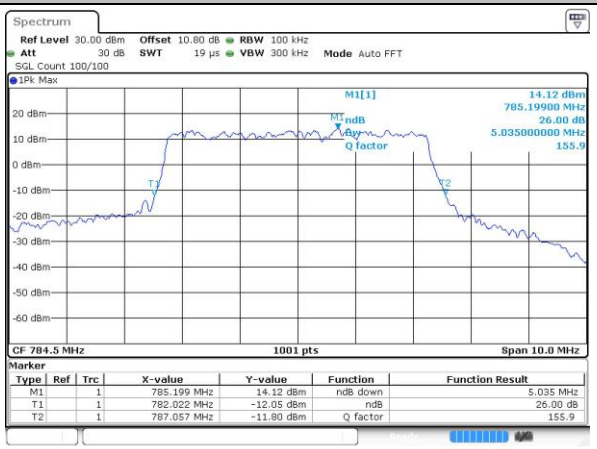
Middle Channel / 5MHz / QPSK



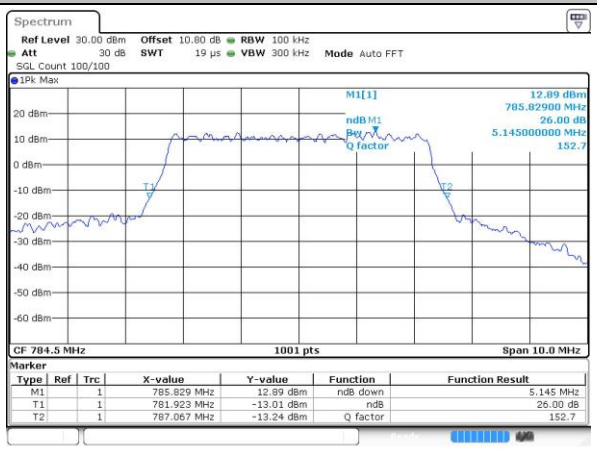
Middle Channel / 5MHz / 16QAM

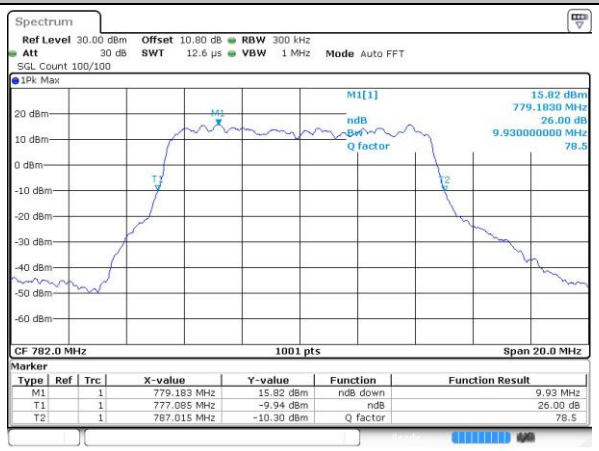
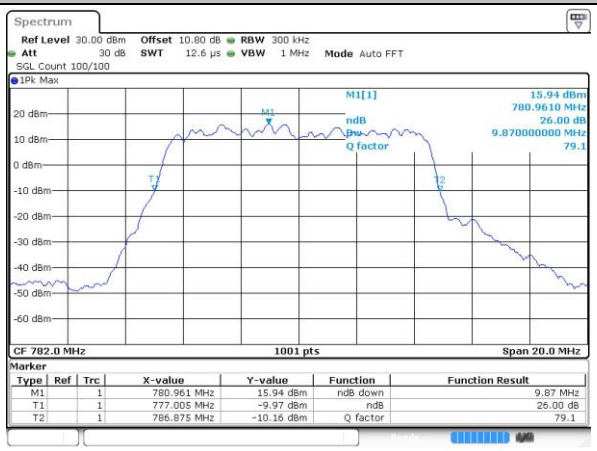


Highest Channel / 5MHz / QPSK



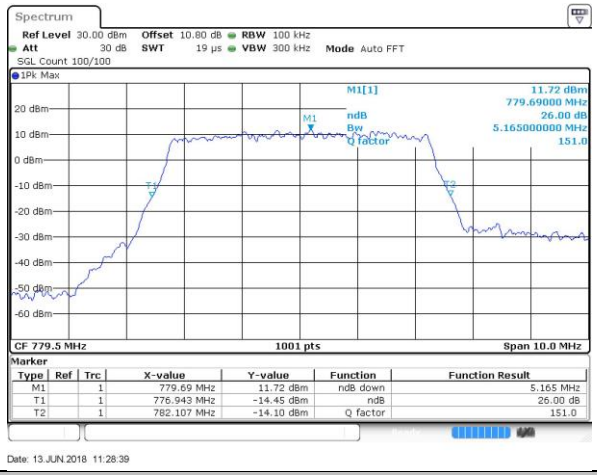
Highest Channel / 5MHz / 16QAM



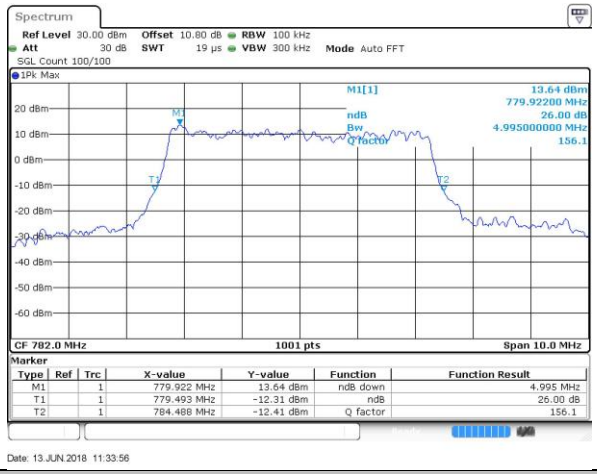
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

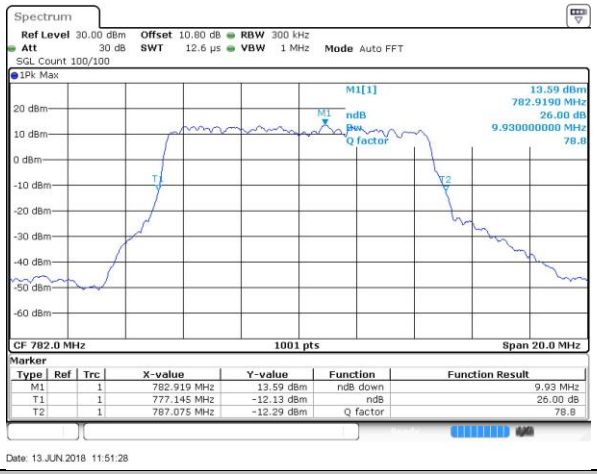
Lowest Channel / 5MHz / 64QAM



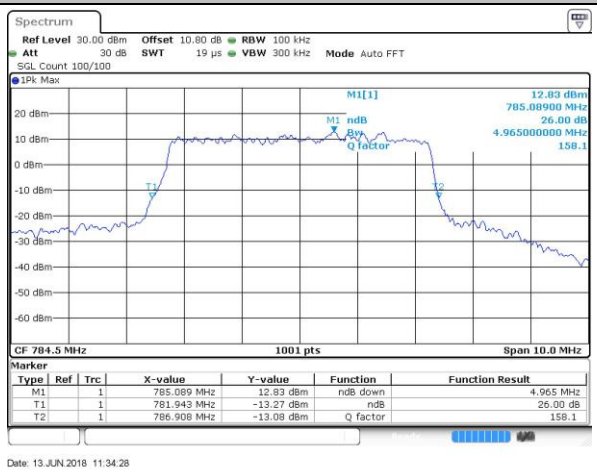
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

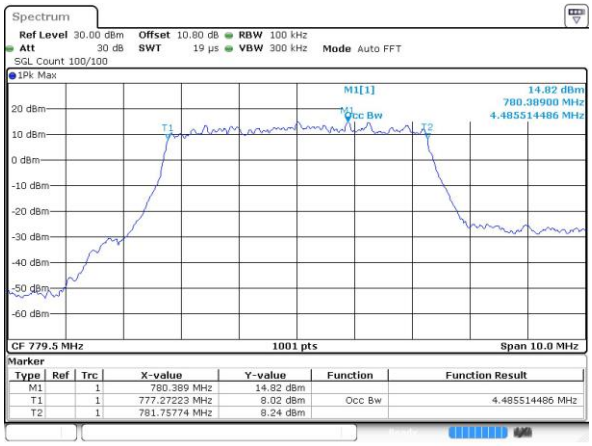


Occupied Bandwidth

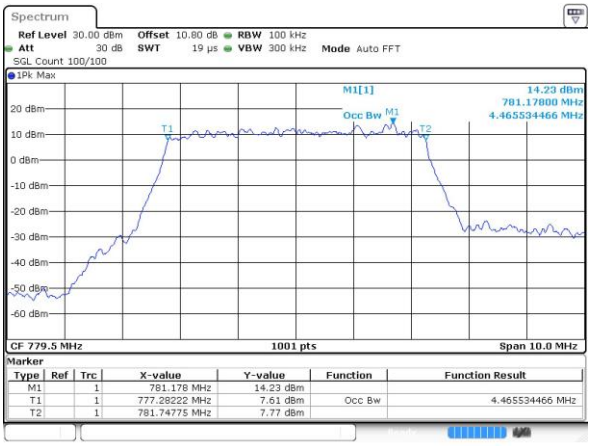
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.47	-	-	-	-	-	-
Middle CH	-	-	-	-	4.52	4.5	9.05	9.05	-	-	-	-
Highest CH	-	-	-	-	4.5	4.51	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.51	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.51	-	8.99	-	-	-	-	-
Highest CH	-	-	-	-	4.52	-	-	-	-	-	-	-

LTE Band 13

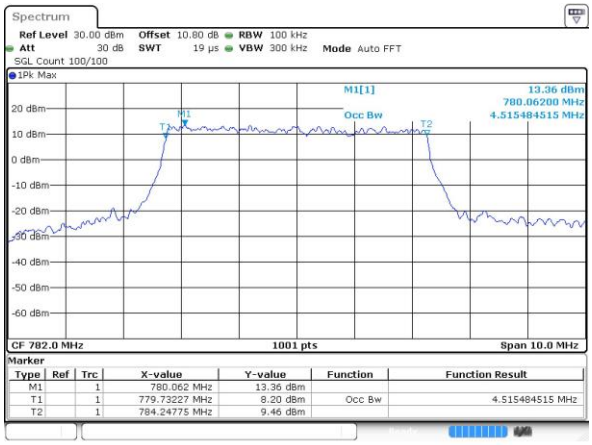
Lowest Channel / 5MHz / QPSK



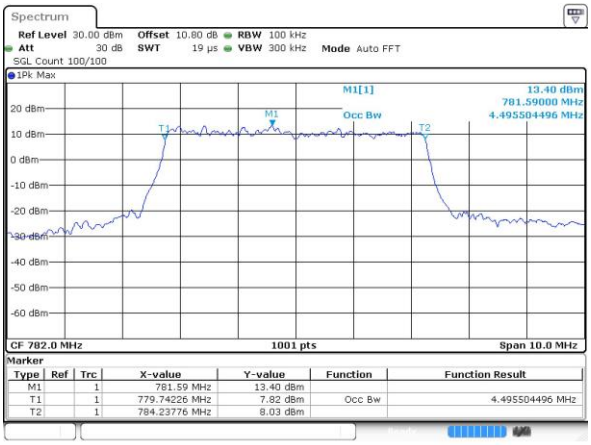
Lowest Channel / 5MHz / 16QAM



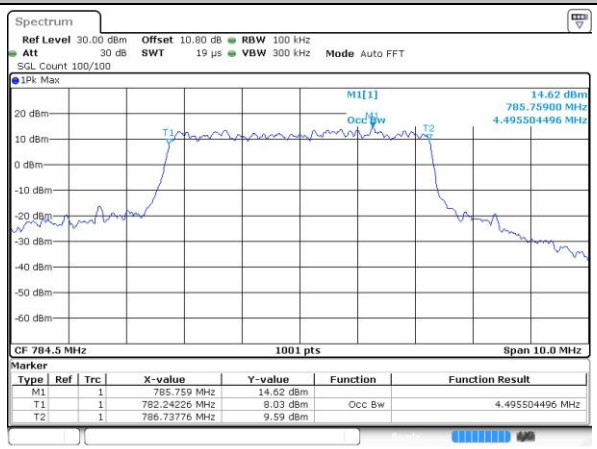
Middle Channel / 5MHz / QPSK



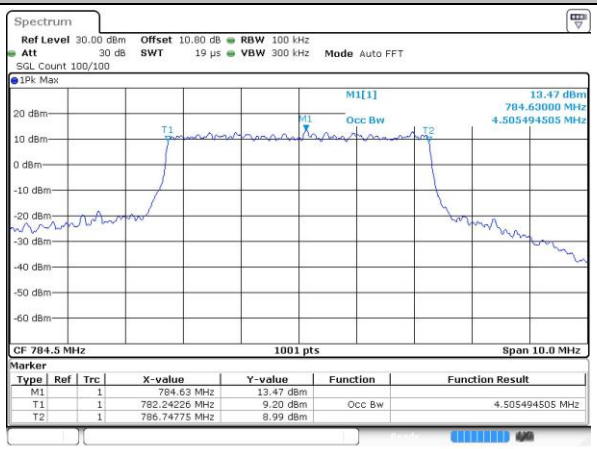
Middle Channel / 5MHz / 16QAM

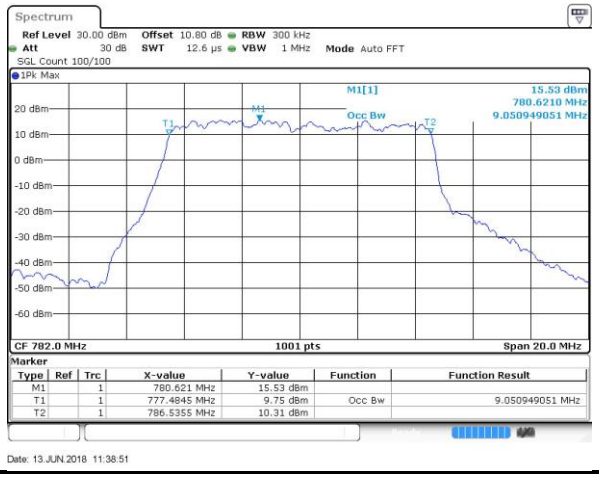
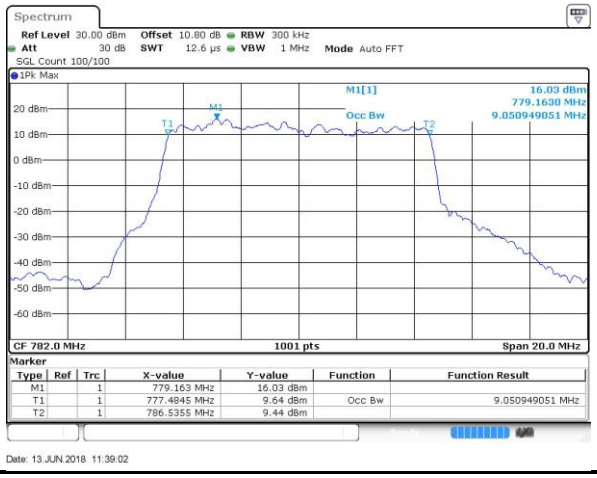


Highest Channel / 5MHz / QPSK



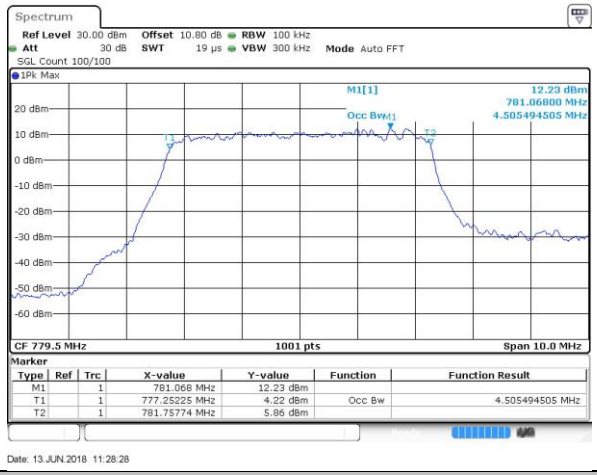
Highest Channel / 5MHz / 16QAM



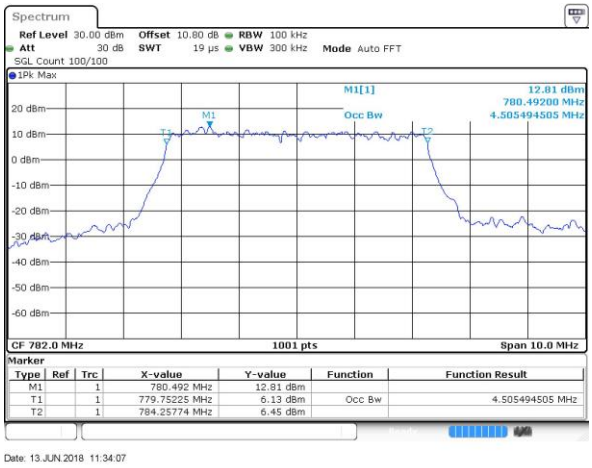
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

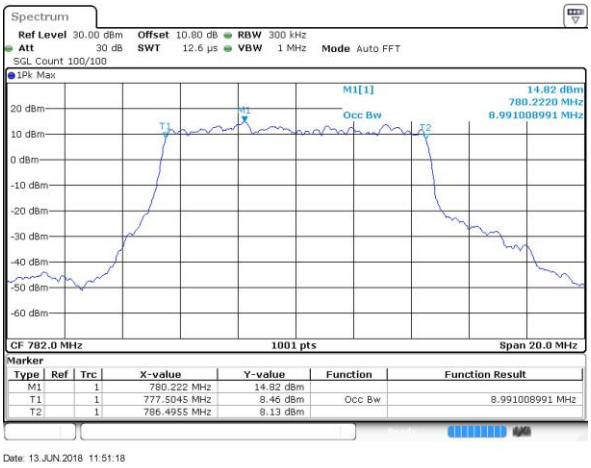
Lowest Channel / 5MHz / 64QAM



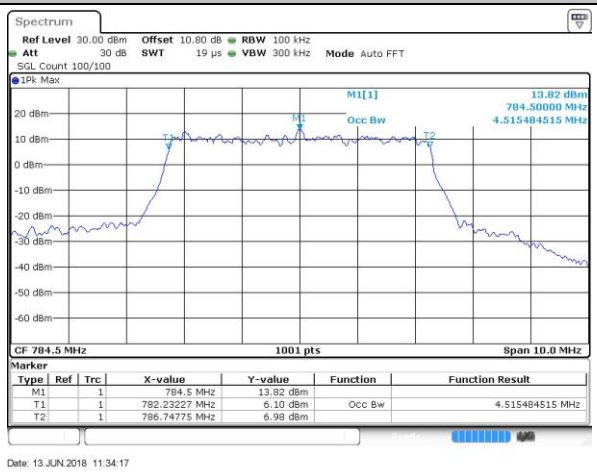
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



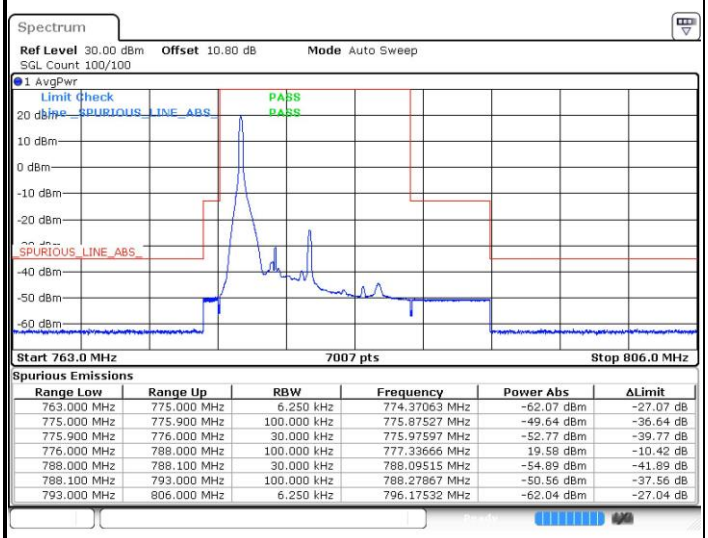
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

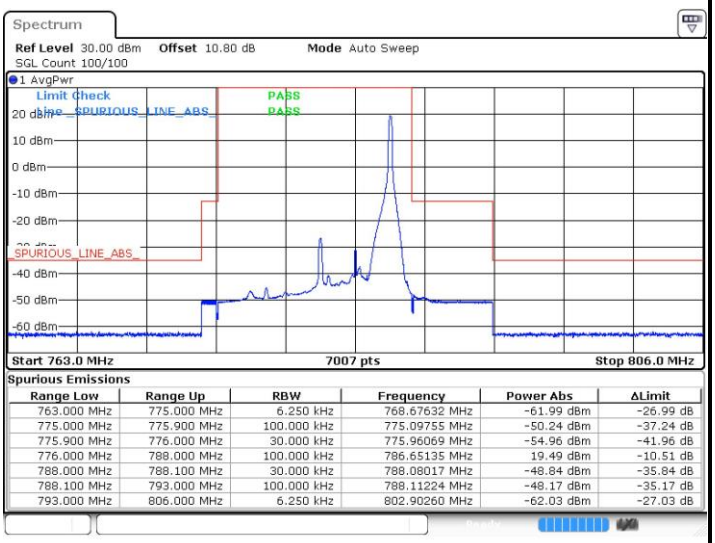


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.37063 MHz	-62.07 dBm	-27.07 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87527 MHz	-49.64 dBm	-36.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97597 MHz	-52.77 dBm	-39.77 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	19.58 dBm	-10.42 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09515 MHz	-54.89 dBm	-41.89 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27867 MHz	-50.56 dBm	-37.56 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.17532 MHz	-62.04 dBm	-27.04 dB

Date: 13.JUN.2018 11:14:51

Highest Band Edge / 1 RB

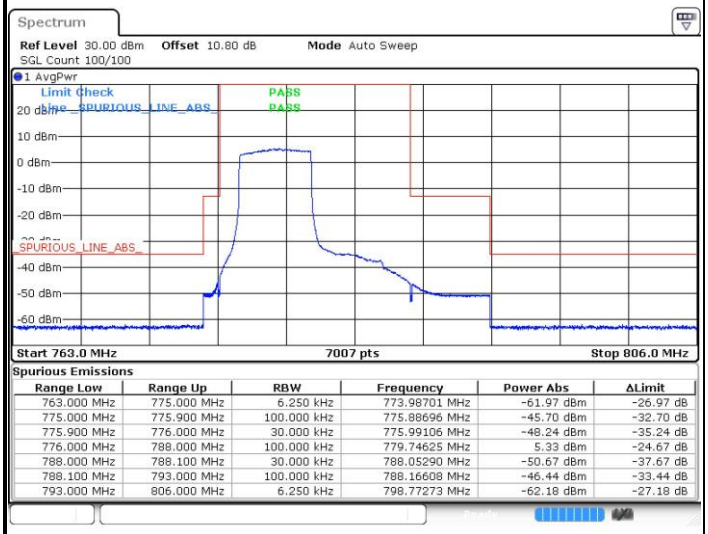


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.67632 MHz	-61.99 dBm	-26.99 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.09755 MHz	-50.24 dBm	-37.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96069 MHz	-54.96 dBm	-41.96 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.65135 MHz	19.49 dBm	-10.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08017 MHz	-48.84 dBm	-35.84 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-48.17 dBm	-35.17 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.90260 MHz	-62.03 dBm	-27.03 dB

Date: 13.JUN.2018 11:26:29

Lowest Band Edge / Full RB

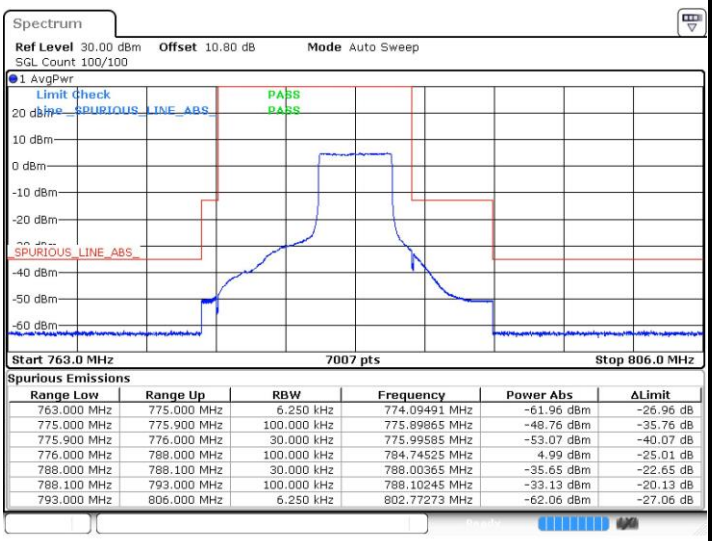


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.98701 MHz	-61.97 dBm	-26.97 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88696 MHz	-45.70 dBm	-32.70 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99106 MHz	-48.24 dBm	-35.24 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.74625 MHz	5.33 dBm	-24.67 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05290 MHz	-50.67 dBm	-37.67 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16608 MHz	-46.44 dBm	-33.44 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.77273 MHz	-62.18 dBm	-27.18 dB

Date: 13.JUN.2018 11:09:52

Highest Band Edge / Full RB



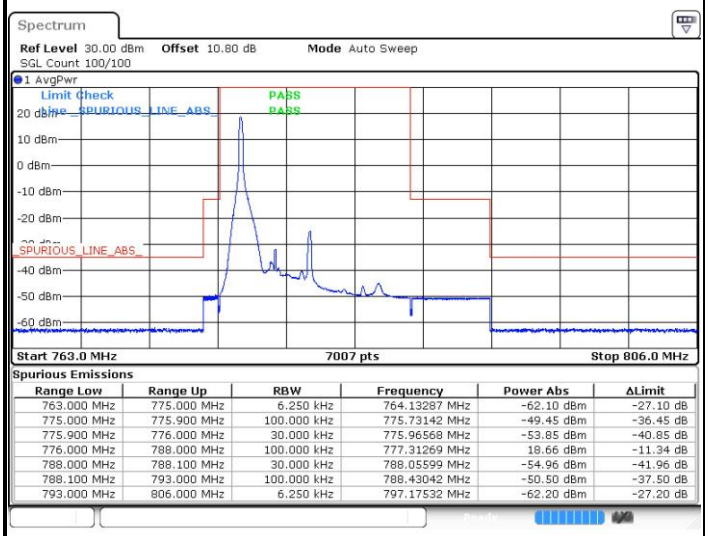
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.09491 MHz	-61.96 dBm	-26.96 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-48.76 dBm	-35.76 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99585 MHz	-53.07 dBm	-40.07 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.74525 MHz	4.99 dBm	-25.01 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00365 MHz	-35.65 dBm	-22.65 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-33.13 dBm	-20.13 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.77273 MHz	-62.06 dBm	-27.06 dB

Date: 13.JUN.2018 11:21:31

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

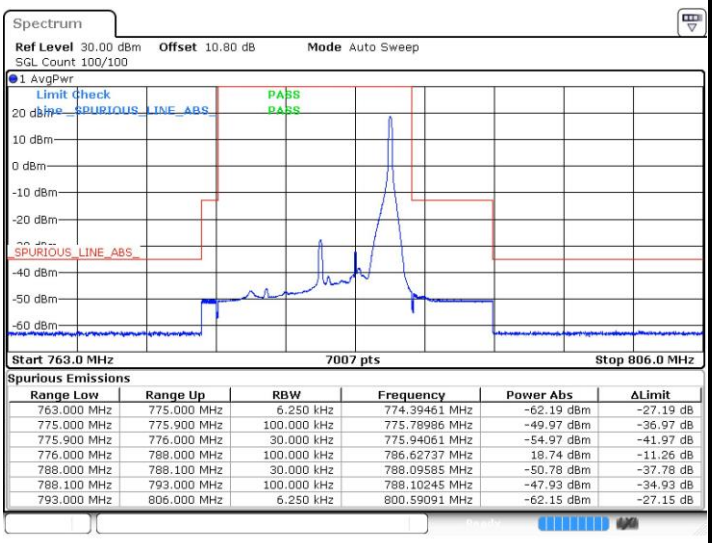


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.13287 MHz	-62.10 dBm	-27.10 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.73142 MHz	-49.45 dBm	-36.45 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96568 MHz	-53.85 dBm	-40.85 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	18.66 dBm	-11.34 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05599 MHz	-54.96 dBm	-41.96 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.43042 MHz	-50.50 dBm	-37.50 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.17532 MHz	-62.20 dBm	-27.20 dB

Date: 13.JUN.2018 11:13:11

Highest Band Edge / 1 RB

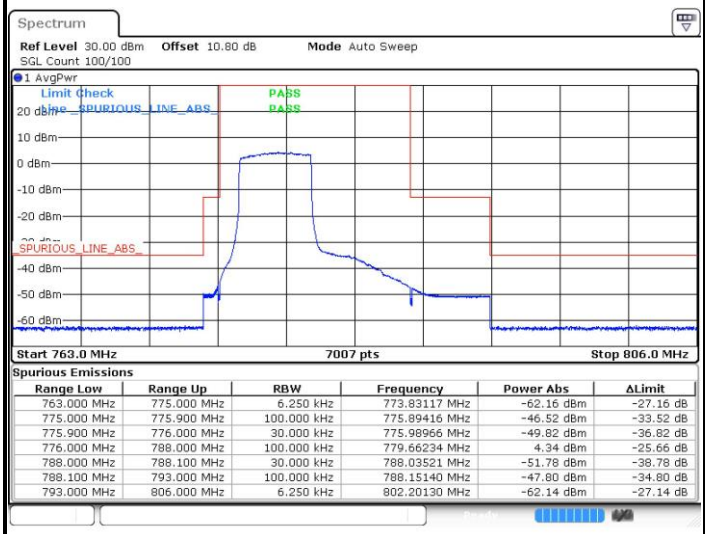


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.39461 MHz	-62.19 dBm	-27.19 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.78986 MHz	-49.97 dBm	-36.97 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94061 MHz	-54.97 dBm	-41.97 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	18.74 dBm	-11.26 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09585 MHz	-50.78 dBm	-37.78 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-47.93 dBm	-34.93 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.59091 MHz	-62.15 dBm	-27.15 dB

Date: 13.JUN.2018 11:24:50

Lowest Band Edge / Full RB

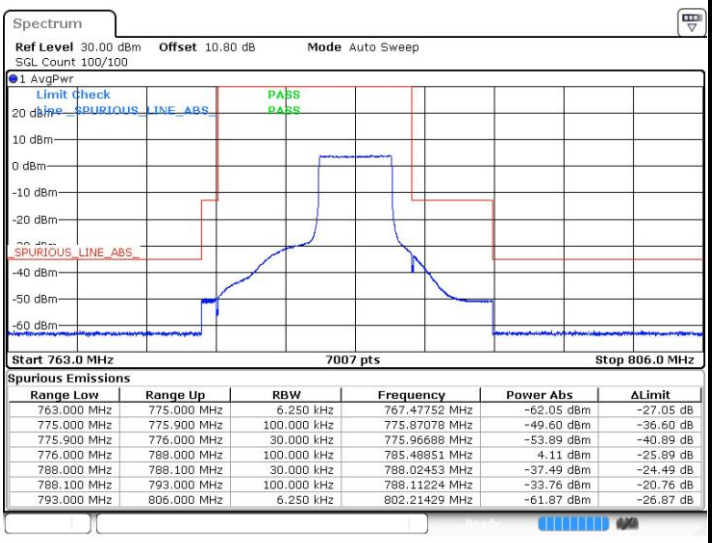


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.83117 MHz	-62.16 dBm	-27.16 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89416 MHz	-46.52 dBm	-33.52 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98966 MHz	-49.82 dBm	-36.82 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.66234 MHz	4.34 dBm	-25.66 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03521 MHz	-51.78 dBm	-38.78 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15140 MHz	-47.80 dBm	-34.80 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.20130 MHz	-62.14 dBm	-27.14 dB

Date: 13.JUN.2018 11:11:32

Highest Band Edge / Full RB



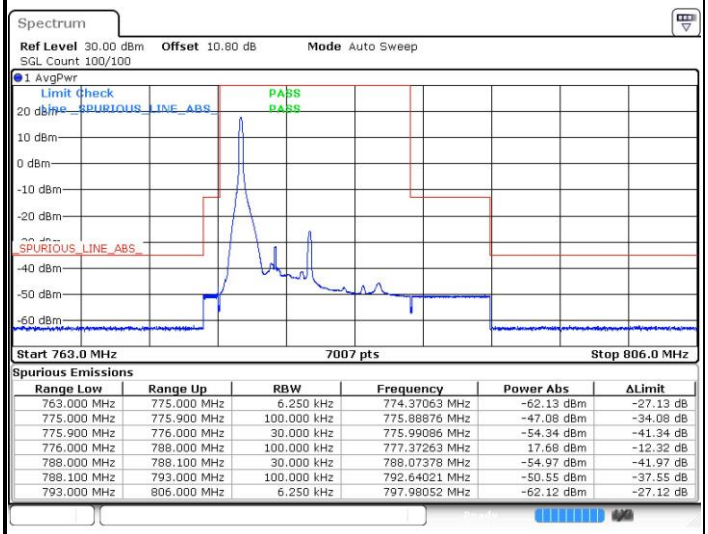
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.47752 MHz	-62.05 dBm	-27.05 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87078 MHz	-49.60 dBm	-36.60 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96688 MHz	-53.89 dBm	-40.89 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.48851 MHz	4.11 dBm	-25.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02453 MHz	-37.49 dBm	-24.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-33.76 dBm	-20.76 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.21429 MHz	-61.87 dBm	-26.87 dB

Date: 13.JUN.2018 11:23:10

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

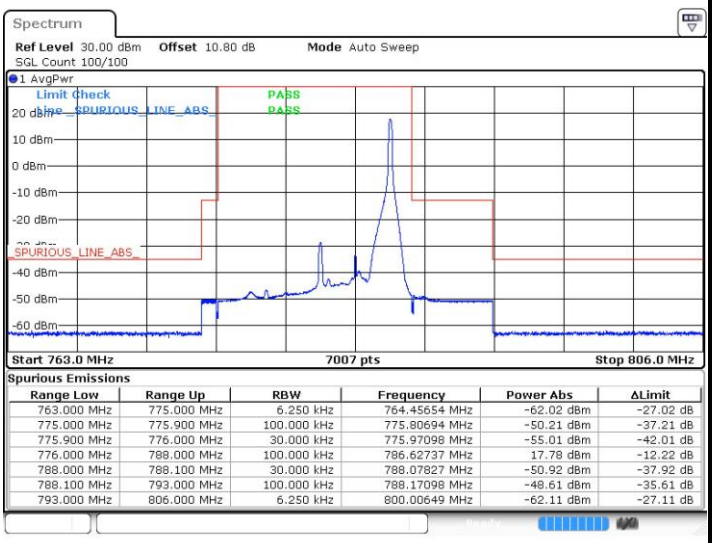


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.37063 MHz	-62.13 dBm	-27.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88876 MHz	-47.08 dBm	-34.08 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99086 MHz	-54.34 dBm	-41.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	17.68 dBm	-12.32 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07378 MHz	-54.97 dBm	-41.97 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.64021 MHz	-50.55 dBm	-37.55 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.98052 MHz	-62.12 dBm	-27.12 dB

Date: 13.JUN.2018 11:31:57

Highest Band Edge / 1 RB

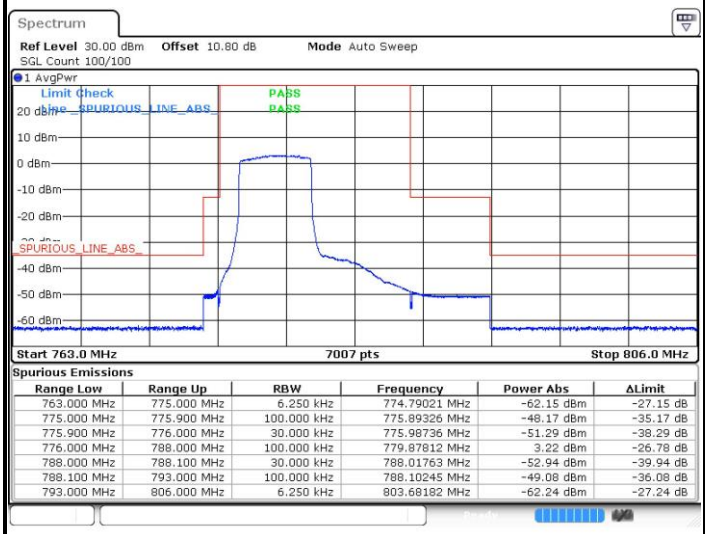


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.45654 MHz	-62.02 dBm	-27.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80694 MHz	-50.21 dBm	-37.21 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97098 MHz	-55.01 dBm	-42.01 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	17.78 dBm	-12.22 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07827 MHz	-50.92 dBm	-37.92 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.17098 MHz	-48.61 dBm	-35.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.00649 MHz	-62.11 dBm	-27.11 dB

Date: 13.JUN.2018 11:37:46

Lowest Band Edge / Full RB

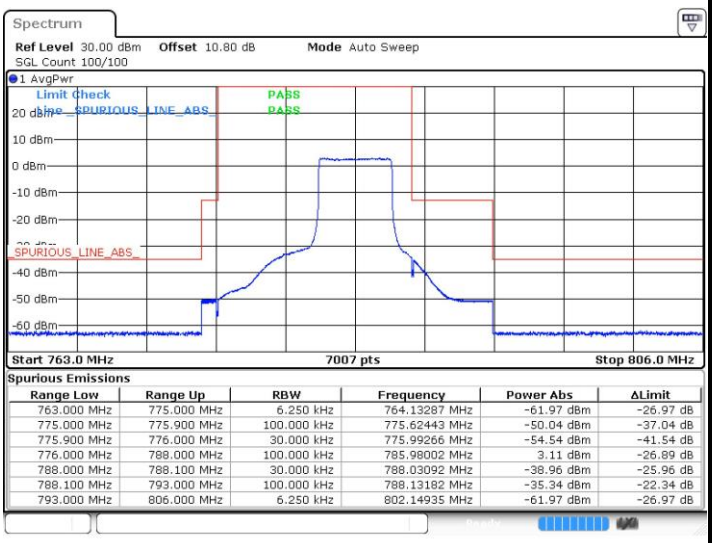


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.79021 MHz	-62.15 dBm	-27.15 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89326 MHz	-48.17 dBm	-35.17 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98736 MHz	-51.29 dBm	-38.29 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.87812 MHz	3.22 dBm	-26.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01763 MHz	-52.94 dBm	-39.94 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-49.08 dBm	-36.08 dB
793.000 MHz	806.000 MHz	6.250 kHz	803.68182 MHz	-62.24 dBm	-27.24 dB

Date: 13.JUN.2018 11:30:18

Highest Band Edge / Full RB



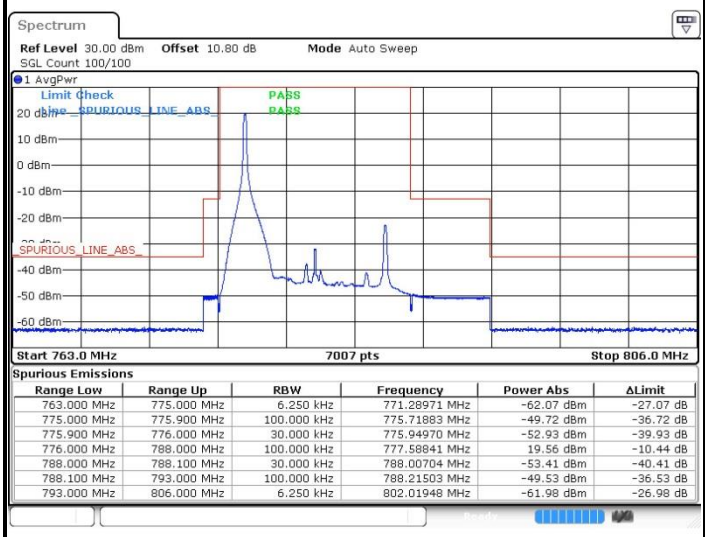
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.13287 MHz	-61.97 dBm	-26.97 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.62443 MHz	-50.04 dBm	-37.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99266 MHz	-54.54 dBm	-41.54 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.98002 MHz	3.11 dBm	-26.89 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03092 MHz	-38.96 dBm	-25.96 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13182 MHz	-35.34 dBm	-22.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.14935 MHz	-61.97 dBm	-26.97 dB

Date: 13.JUN.2018 11:36:06

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

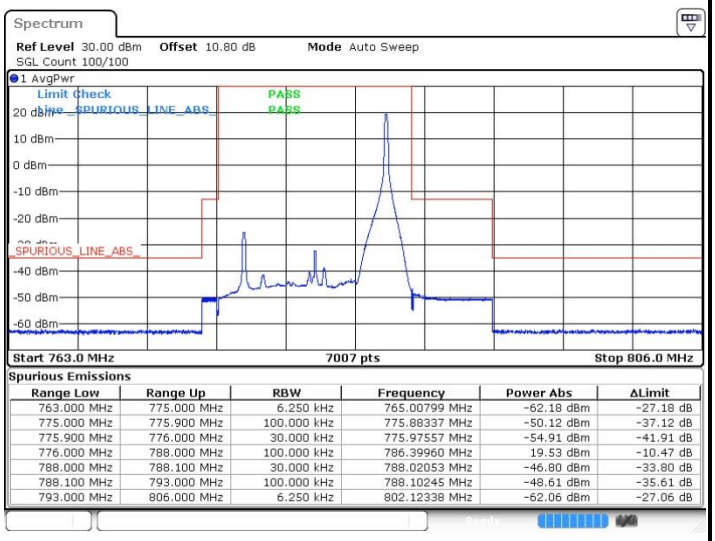


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.28971 MHz	-62.07 dBm	-27.07 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.71883 MHz	-49.72 dBm	-36.72 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94970 MHz	-52.93 dBm	-39.93 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	19.56 dBm	-10.44 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00704 MHz	-53.41 dBm	-40.41 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21503 MHz	-49.53 dBm	-36.53 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.01948 MHz	-61.98 dBm	-26.98 dB

Date: 13.JUN.2018 11:45:59

Highest Band Edge / 1 RB

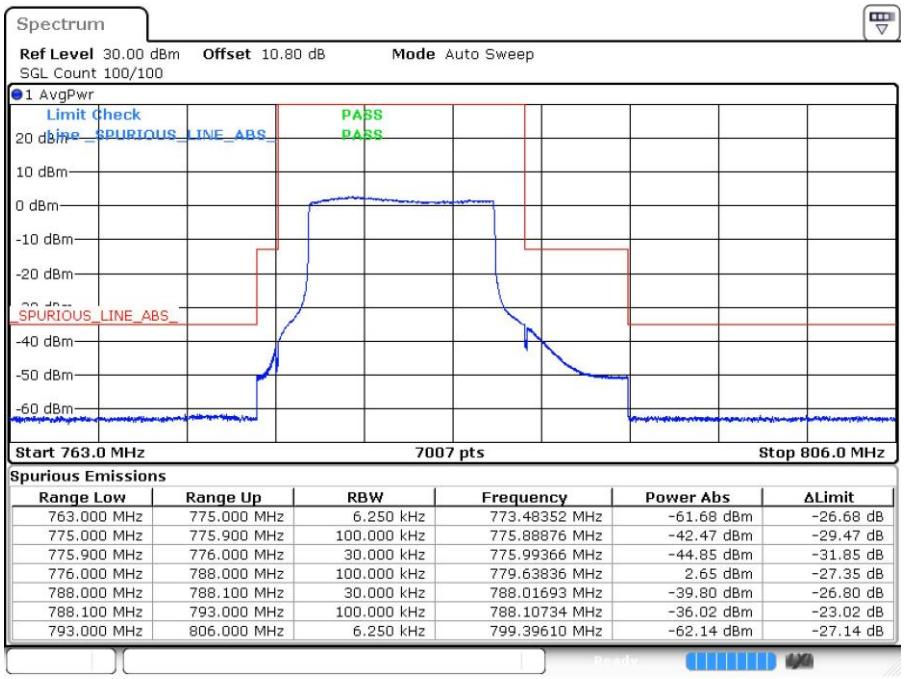


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.00799 MHz	-62.18 dBm	-27.18 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88337 MHz	-50.12 dBm	-37.12 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97557 MHz	-54.91 dBm	-41.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	19.53 dBm	-10.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02053 MHz	-46.80 dBm	-33.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-48.61 dBm	-35.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.12338 MHz	-62.06 dBm	-27.06 dB

Date: 13.JUN.2018 11:47:39

Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.48352 MHz	-61.68 dBm	-26.68 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88876 MHz	-42.47 dBm	-29.47 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99366 MHz	-44.85 dBm	-31.85 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.63836 MHz	2.65 dBm	-27.35 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01693 MHz	-39.80 dBm	-26.80 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-36.02 dBm	-23.02 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.39610 MHz	-62.14 dBm	-27.14 dB

Date: 13.JUN.2018 11:41:01