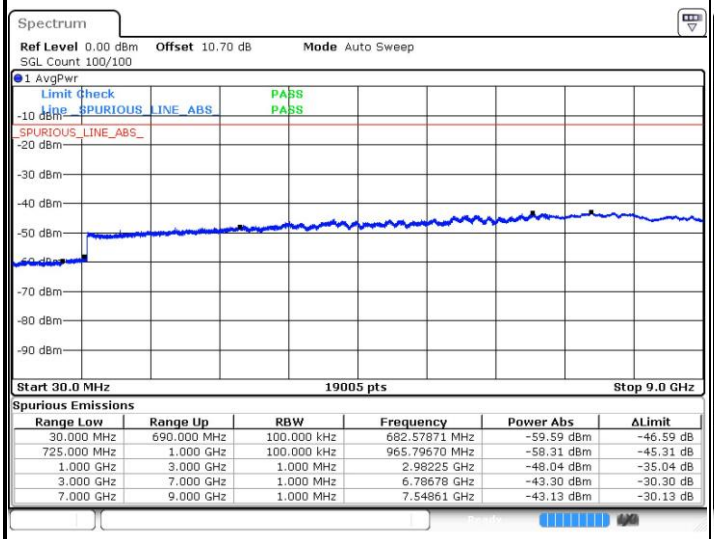
LTE Band 12 / 1.4MHz

Highest Channel / QPSK

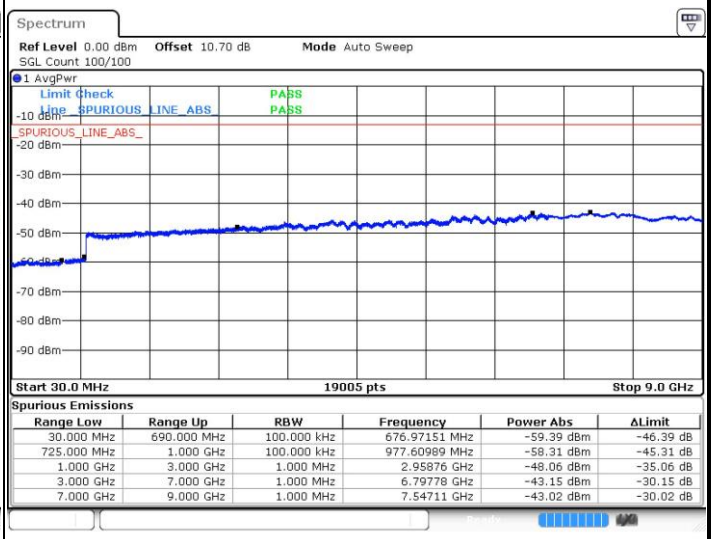


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.57871 MHz	-59.59 dBm	-46.59 dB
725.000 MHz	1.000 GHz	100.000 kHz	965.79670 MHz	-58.31 dBm	-45.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98225 GHz	-48.04 dBm	-35.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78678 GHz	-43.30 dBm	-30.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-43.13 dBm	-30.13 dB

Date: 5.SEP.2018 01:54:14

Highest Channel / 16QAM



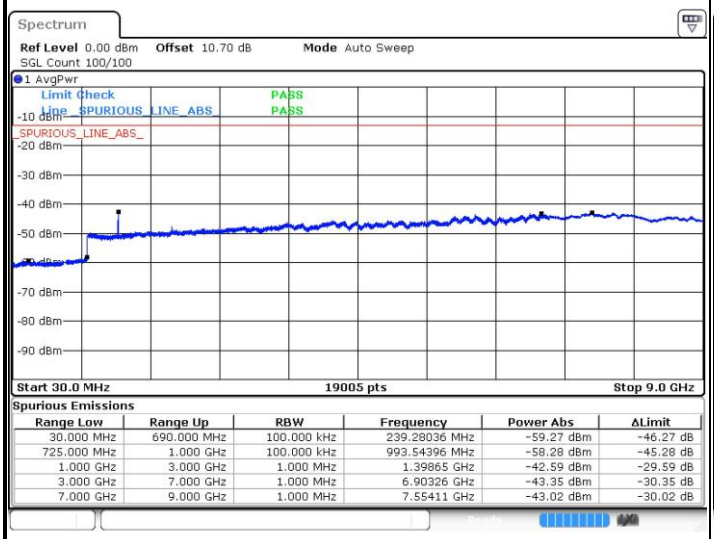
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	676.97151 MHz	-59.39 dBm	-46.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.60989 MHz	-58.31 dBm	-45.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.95876 GHz	-48.06 dBm	-35.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-43.02 dBm	-30.02 dB

Date: 5.SEP.2018 01:55:04

LTE Band 12 / 3MHz

Lowest Channel / QPSK

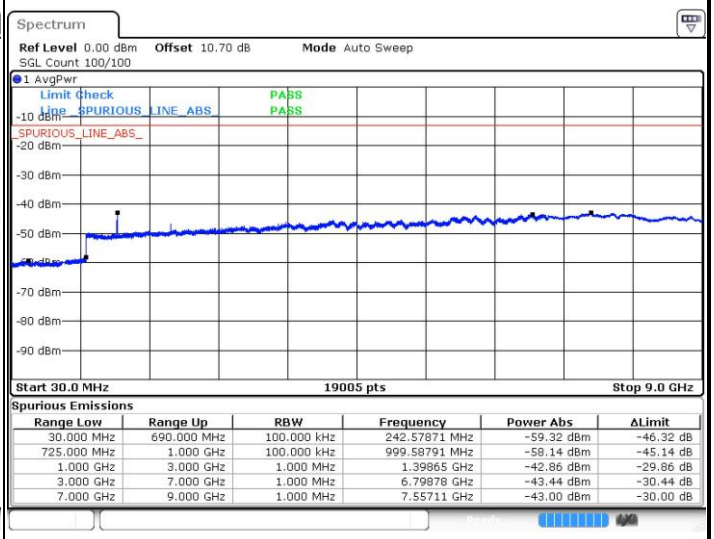


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.28036 MHz	-59.27 dBm	-46.27 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.54396 MHz	-58.28 dBm	-45.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.59 dBm	-29.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90326 GHz	-43.35 dBm	-30.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55411 GHz	-43.02 dBm	-30.02 dB

Date: 4.SEP.2018 23:23:39

Lowest Channel / 16QAM



Spurious Emissions

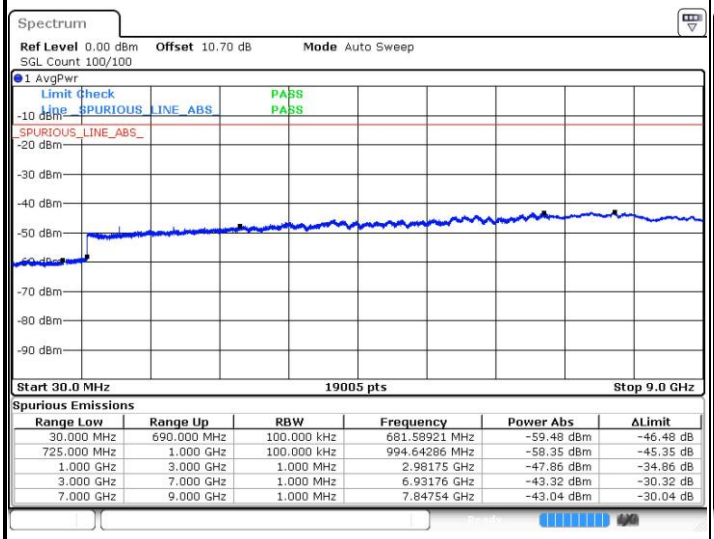
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	242.57871 MHz	-59.32 dBm	-46.32 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.86 dBm	-29.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-43.44 dBm	-30.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55711 GHz	-43.00 dBm	-30.00 dB

Date: 4.SEP.2018 23:24:29

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 3MHz

Middle Channel / QPSK

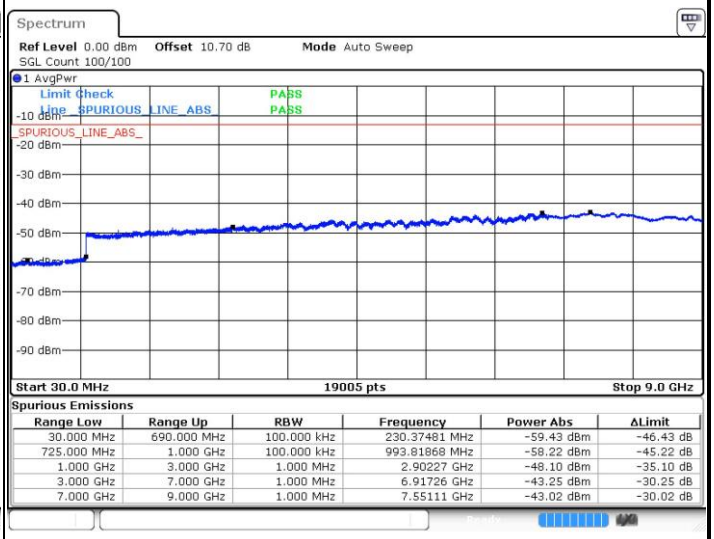


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.58921 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.64286 MHz	-58.35 dBm	-45.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98175 GHz	-47.86 dBm	-34.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93176 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.84754 GHz	-43.04 dBm	-30.04 dB

Date: 4.SEP.2018 23:26:55

Middle Channel / 16QAM

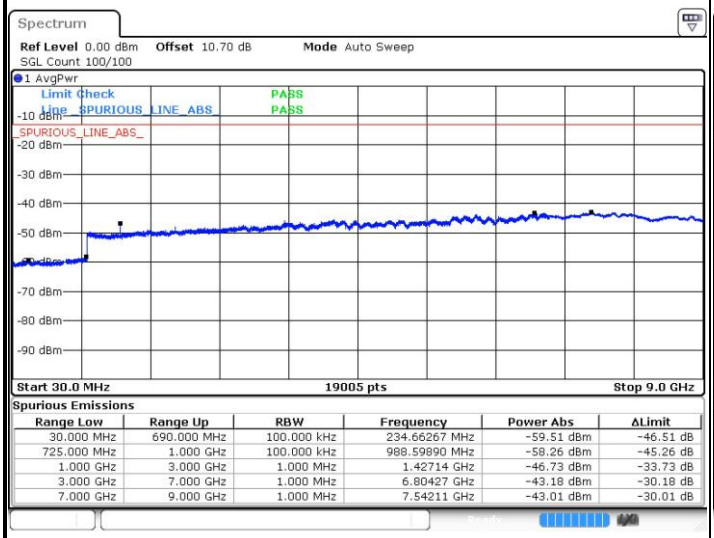


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.37481 MHz	-59.43 dBm	-46.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.81868 MHz	-58.22 dBm	-45.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.90227 GHz	-48.10 dBm	-35.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91726 GHz	-43.25 dBm	-30.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55111 GHz	-43.02 dBm	-30.02 dB

Date: 4.SEP.2018 23:26:05

Highest Channel / QPSK

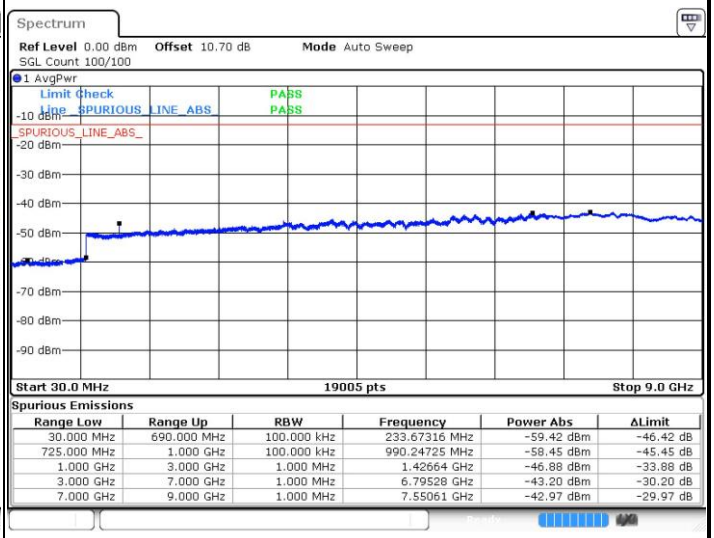


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.66267 MHz	-59.51 dBm	-46.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.59890 MHz	-58.26 dBm	-45.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-46.73 dBm	-33.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80427 GHz	-43.18 dBm	-30.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54211 GHz	-43.01 dBm	-30.01 dB

Date: 4.SEP.2018 23:33:12

Highest Channel / 16QAM



Spurious Emissions

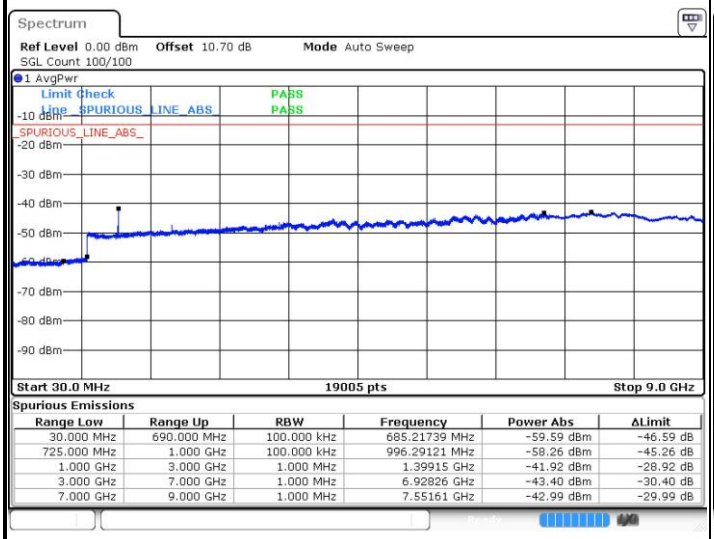
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.67316 MHz	-59.42 dBm	-46.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	990.24725 MHz	-58.45 dBm	-45.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.88 dBm	-33.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79528 GHz	-43.20 dBm	-30.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-42.97 dBm	-29.97 dB

Date: 4.SEP.2018 23:34:02

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 5MHz

Lowest Channel / QPSK

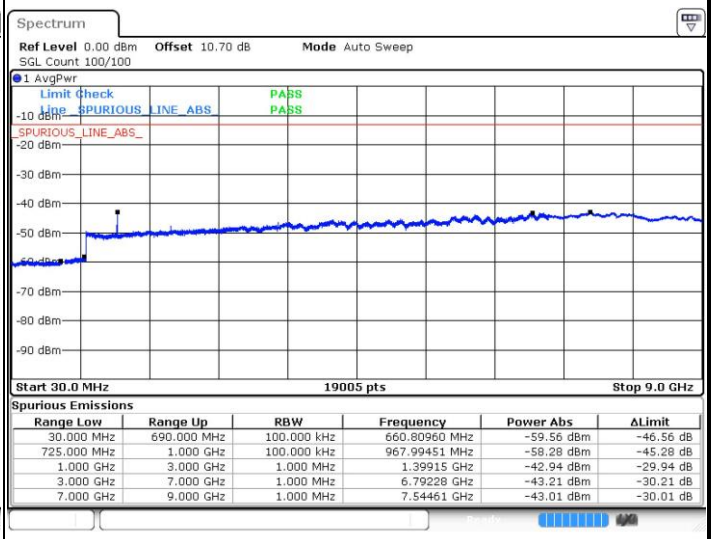


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.21739 MHz	-59.59 dBm	-46.59 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-58.26 dBm	-45.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-41.92 dBm	-28.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92826 GHz	-43.40 dBm	-30.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-42.99 dBm	-29.99 dB

Date: 4.SEP.2018 23:40:18

Lowest Channel / 16QAM

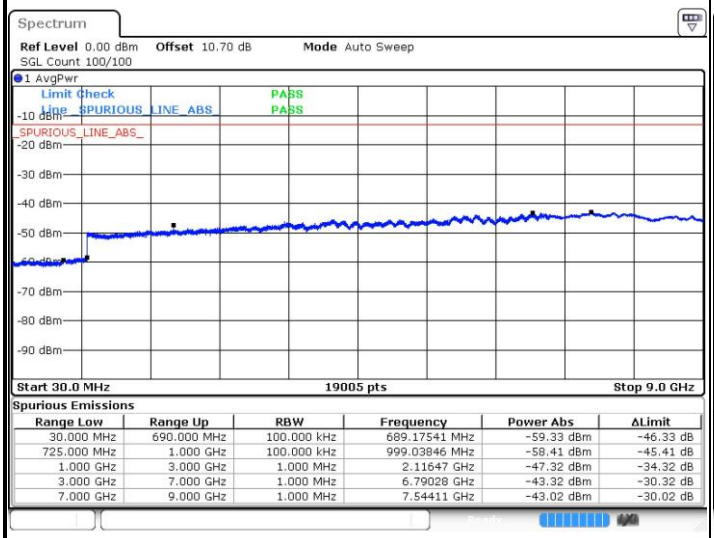


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	660.80960 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.99451 MHz	-58.28 dBm	-45.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.94 dBm	-29.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-43.21 dBm	-30.21 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.01 dBm	-30.01 dB

Date: 4.SEP.2018 23:41:08

Middle Channel / QPSK

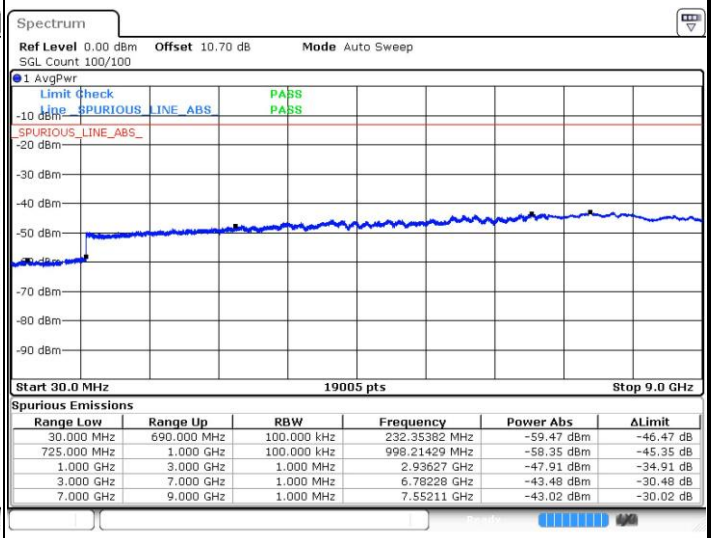


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.33 dBm	-46.33 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.41 dBm	-45.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.11647 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79028 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-43.02 dBm	-30.02 dB

Date: 4.SEP.2018 23:43:34

Middle Channel / 16QAM



Spurious Emissions

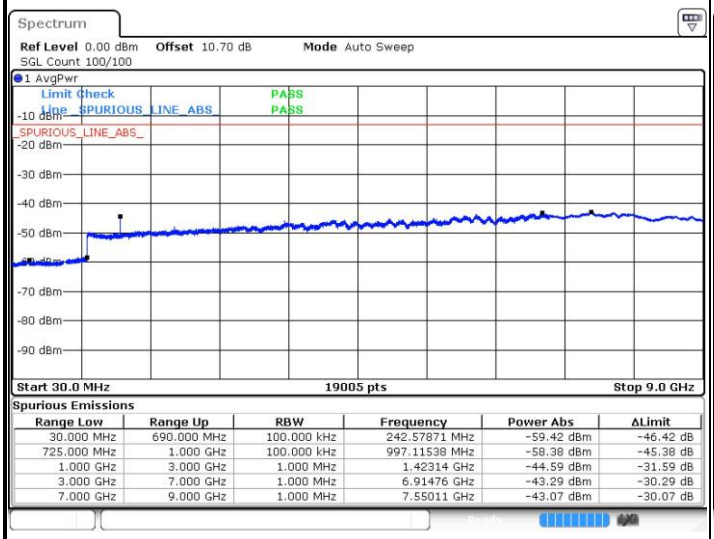
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	232.35382 MHz	-59.47 dBm	-46.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.35 dBm	-45.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.93627 GHz	-47.91 dBm	-34.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78228 GHz	-43.48 dBm	-30.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.02 dBm	-30.02 dB

Date: 4.SEP.2018 23:42:44

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 5MHz

Highest Channel / QPSK

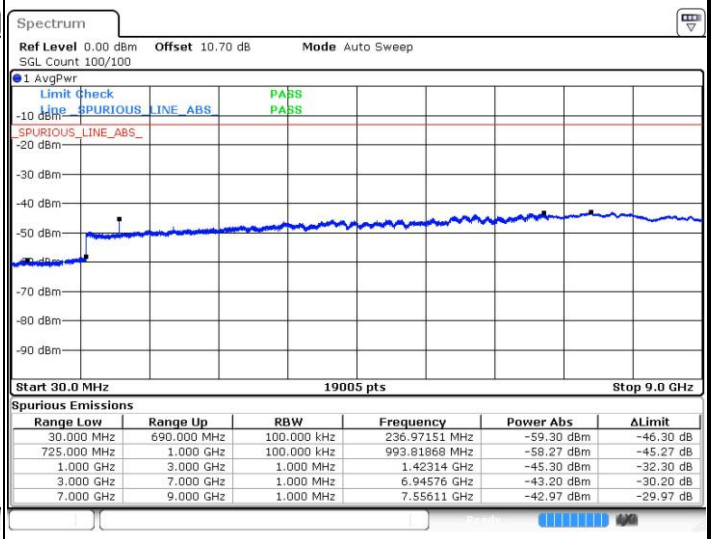


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	242.57871 MHz	-59.42 dBm	-46.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.11538 MHz	-58.38 dBm	-45.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.59 dBm	-31.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91476 GHz	-43.29 dBm	-30.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.07 dBm	-30.07 dB

Date: 4.SEP.2018 23:50:39

Highest Channel / 16QAM



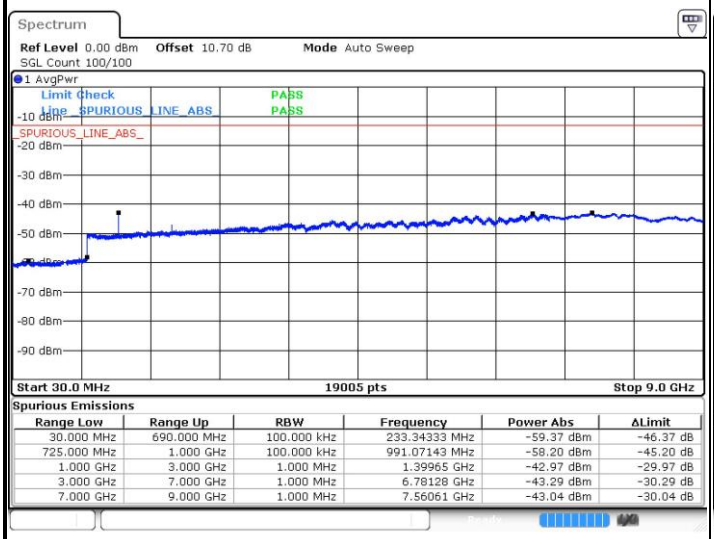
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.97151 MHz	-59.30 dBm	-46.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.81868 MHz	-58.27 dBm	-45.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94576 GHz	-43.20 dBm	-30.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55611 GHz	-42.97 dBm	-29.97 dB

Date: 4.SEP.2018 23:49:49

LTE Band 12 / 10MHz

Lowest Channel / QPSK

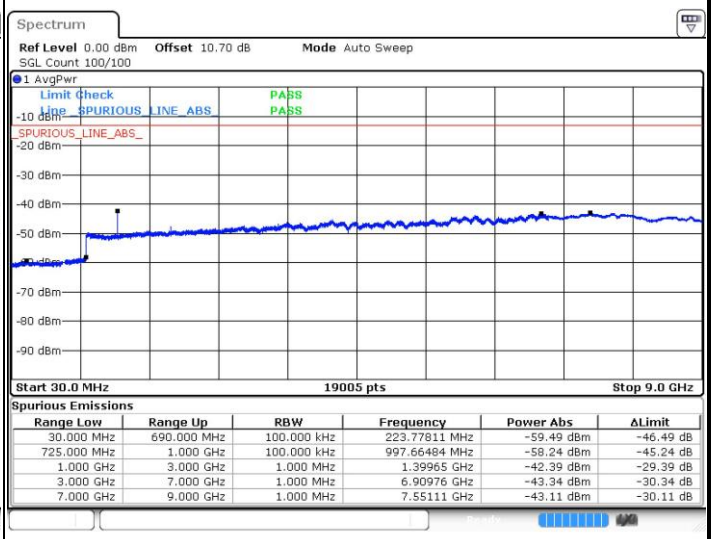


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.07143 MHz	-58.20 dBm	-45.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-42.97 dBm	-29.97 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78128 GHz	-43.29 dBm	-30.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.56061 GHz	-43.04 dBm	-30.04 dB

Date: 4.SEP.2018 23:56:55

Lowest Channel / 16QAM



Spurious Emissions

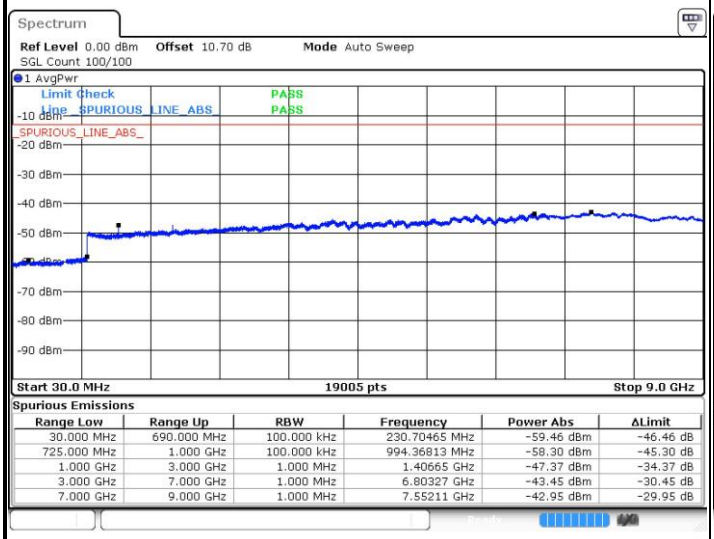
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	223.77811 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.66484 MHz	-58.24 dBm	-45.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-42.39 dBm	-29.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90976 GHz	-43.34 dBm	-30.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55111 GHz	-43.11 dBm	-30.11 dB

Date: 4.SEP.2018 23:57:45

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 10MHz

Middle Channel / QPSK

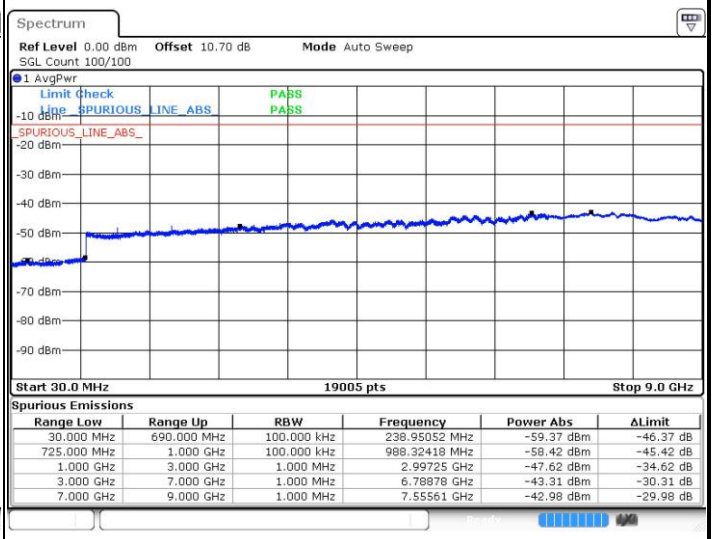


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.70465 MHz	-59.46 dBm	-46.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-58.30 dBm	-45.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-47.37 dBm	-34.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80327 GHz	-43.45 dBm	-30.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-42.95 dBm	-29.95 dB

Date: 5.SEP.2018 00:00:11

Middle Channel / 16QAM

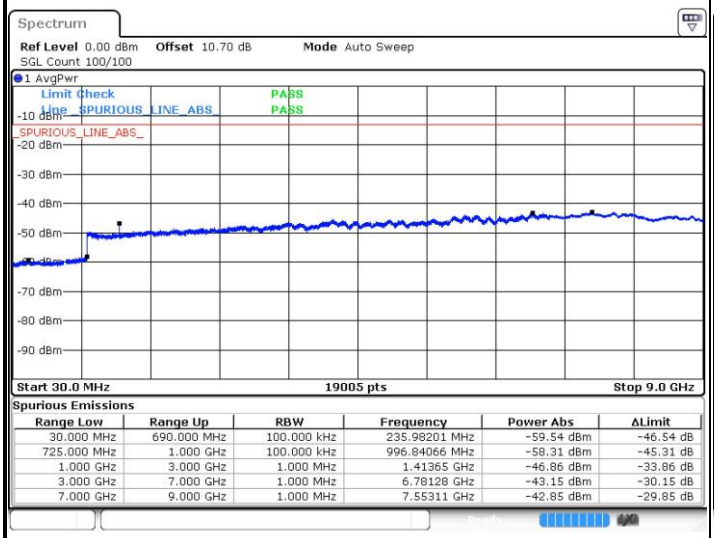


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.95052 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.32418 MHz	-58.42 dBm	-45.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99725 GHz	-47.62 dBm	-34.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78878 GHz	-43.31 dBm	-30.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55561 GHz	-42.98 dBm	-29.98 dB

Date: 4.SEP.2018 23:59:21

Highest Channel / QPSK

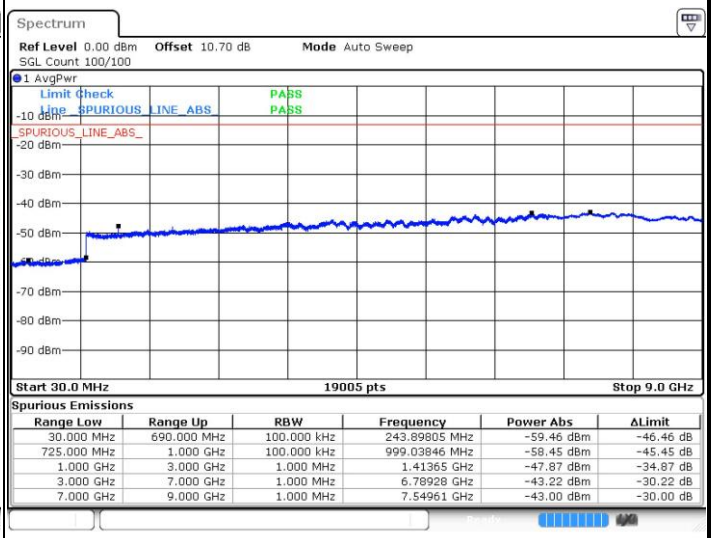


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.54 dBm	-46.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.84066 MHz	-58.31 dBm	-45.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78128 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-42.85 dBm	-29.85 dB

Date: 5.SEP.2018 00:14:21

Highest Channel / 16QAM



Spurious Emissions

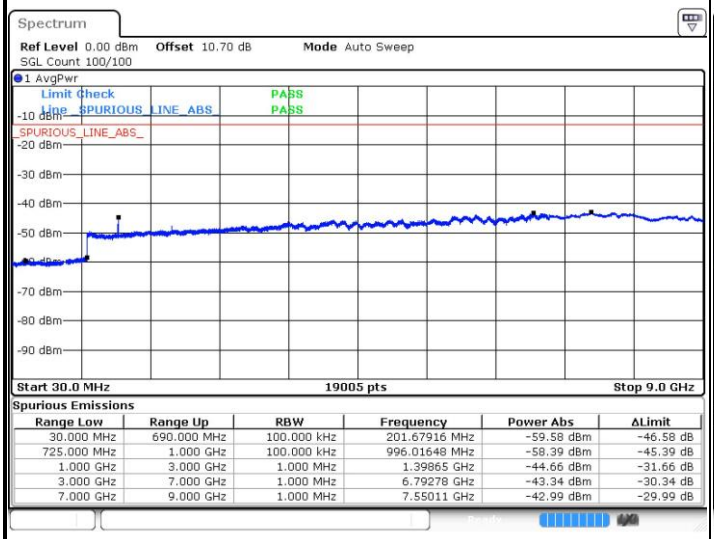
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	243.89805 MHz	-59.46 dBm	-46.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.45 dBm	-45.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-47.87 dBm	-34.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-43.22 dBm	-30.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.00 dBm	-30.00 dB

Date: 5.SEP.2018 00:15:12

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

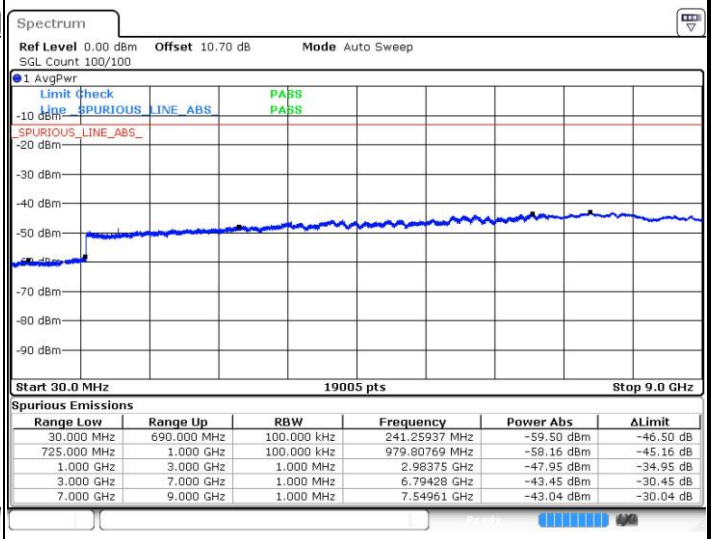


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	201.67916 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.01648 MHz	-58.39 dBm	-45.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.66 dBm	-31.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79278 GHz	-43.34 dBm	-30.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-42.99 dBm	-29.99 dB

Date: 5.SEP.2018 01:33:39

Middle Channel / 64QAM

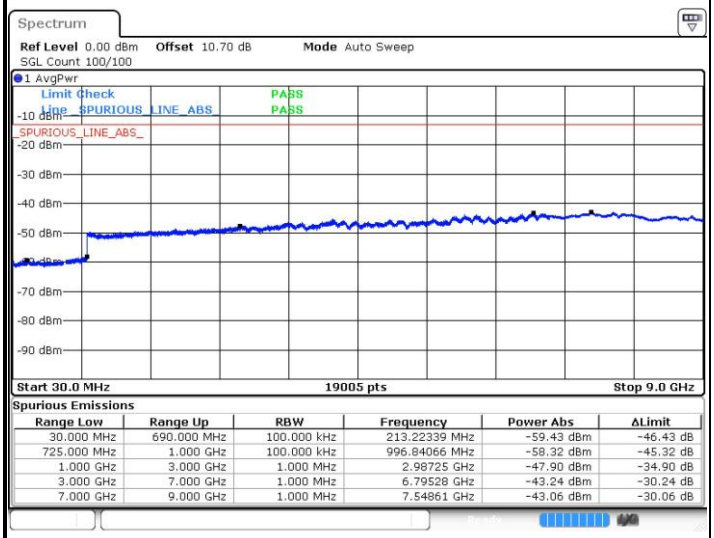


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.25937 MHz	-59.50 dBm	-46.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	979.80769 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98375 GHz	-47.95 dBm	-34.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-43.45 dBm	-30.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.04 dBm	-30.04 dB

Date: 5.SEP.2018 01:34:52

Highest Channel / 64QAM



Spurious Emissions

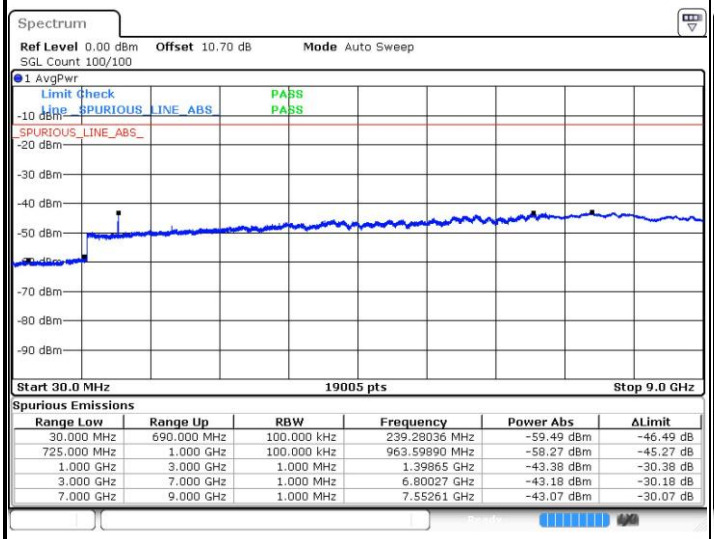
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	213.22339 MHz	-59.43 dBm	-46.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.84066 MHz	-58.32 dBm	-45.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98725 GHz	-47.90 dBm	-34.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79528 GHz	-43.24 dBm	-30.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-43.06 dBm	-30.06 dB

Date: 5.SEP.2018 01:38:25

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

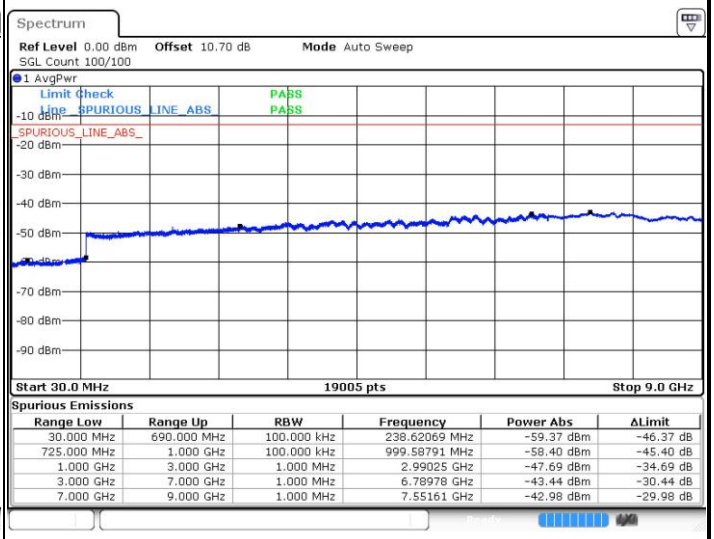


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.28036 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	963.59890 MHz	-58.27 dBm	-45.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.38 dBm	-30.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80027 GHz	-43.18 dBm	-30.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.07 dBm	-30.07 dB

Date: 5.SEP.2018 01:08:40

Middle Channel / 64QAM

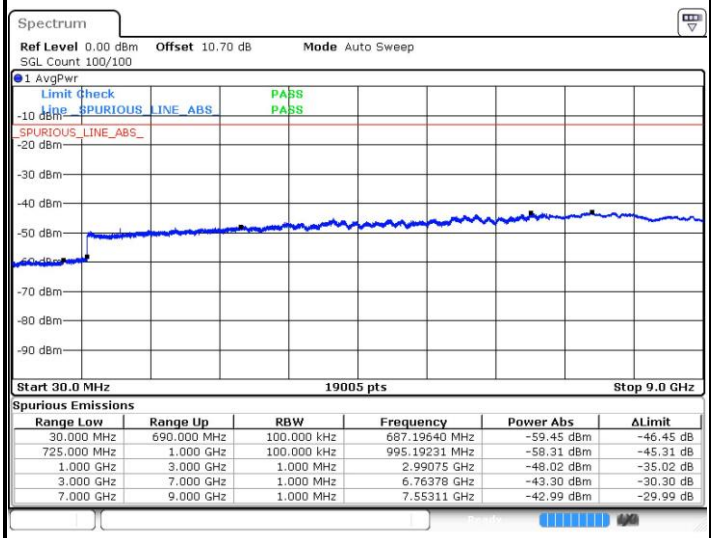


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.62069 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-58.40 dBm	-45.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99025 GHz	-47.69 dBm	-34.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78978 GHz	-43.44 dBm	-30.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-42.98 dBm	-29.98 dB

Date: 5.SEP.2018 01:09:53

Highest Channel / 64QAM



Spurious Emissions

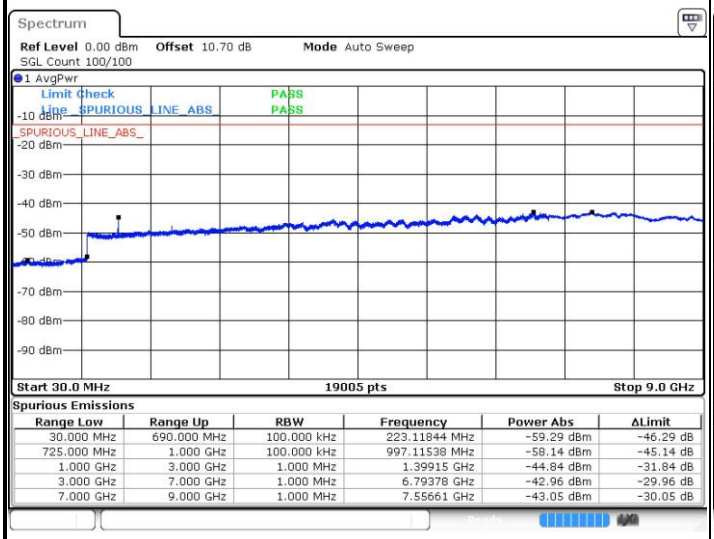
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.19640 MHz	-59.45 dBm	-46.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.19231 MHz	-58.31 dBm	-45.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99075 GHz	-48.02 dBm	-35.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76378 GHz	-43.30 dBm	-30.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-42.99 dBm	-29.99 dB

Date: 5.SEP.2018 01:13:26

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

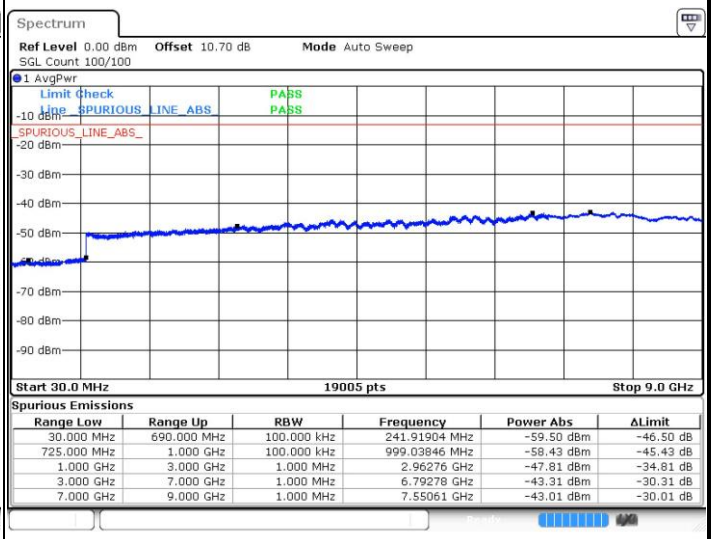


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	223.11844 MHz	-59.29 dBm	-46.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.11538 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.84 dBm	-31.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79378 GHz	-42.96 dBm	-29.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55661 GHz	-43.05 dBm	-30.05 dB

Date: 5.SEP.2018 01:16:59

Middle Channel / 64QAM

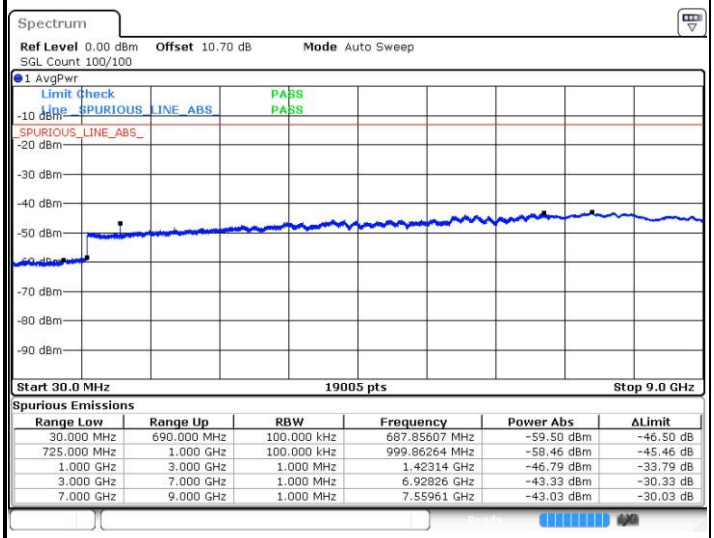


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.91904 MHz	-59.50 dBm	-46.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.43 dBm	-45.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96276 GHz	-47.81 dBm	-34.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79278 GHz	-43.31 dBm	-30.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.01 dBm	-30.01 dB

Date: 5.SEP.2018 01:18:12

Highest Channel / 64QAM



Spurious Emissions

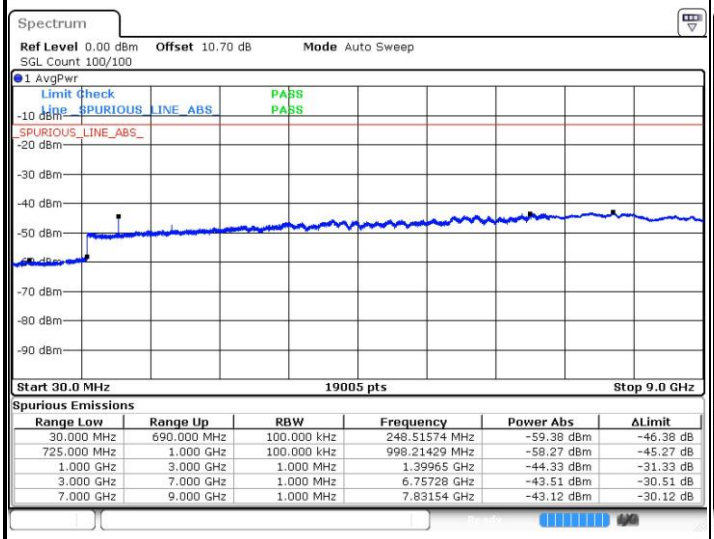
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-59.50 dBm	-46.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.86264 MHz	-58.46 dBm	-45.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.79 dBm	-33.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92826 GHz	-43.33 dBm	-30.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55961 GHz	-43.03 dBm	-30.03 dB

Date: 5.SEP.2018 01:21:46

TEL : 886-3-327-3456
FAX : 886-3-328-4978

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

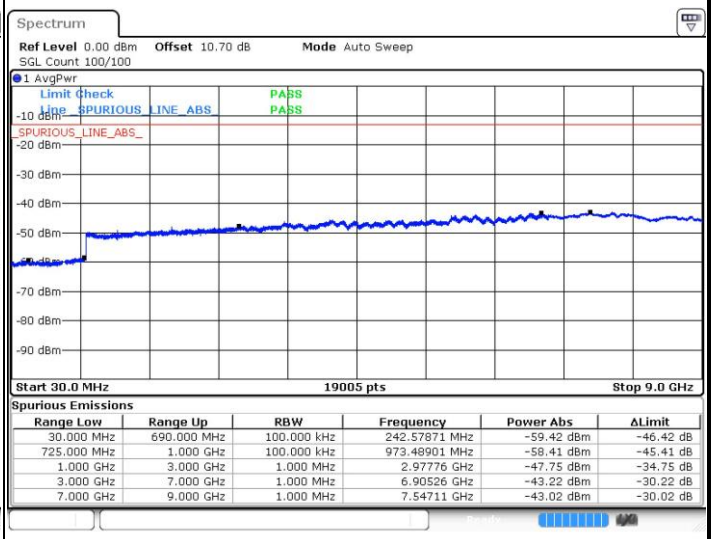


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	248.51574 MHz	-59.38 dBm	-46.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.27 dBm	-45.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-44.33 dBm	-31.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75728 GHz	-43.51 dBm	-30.51 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83154 GHz	-43.12 dBm	-30.12 dB

Date: 5.SEP.2018 01:25:19

Middle Channel / 64QAM

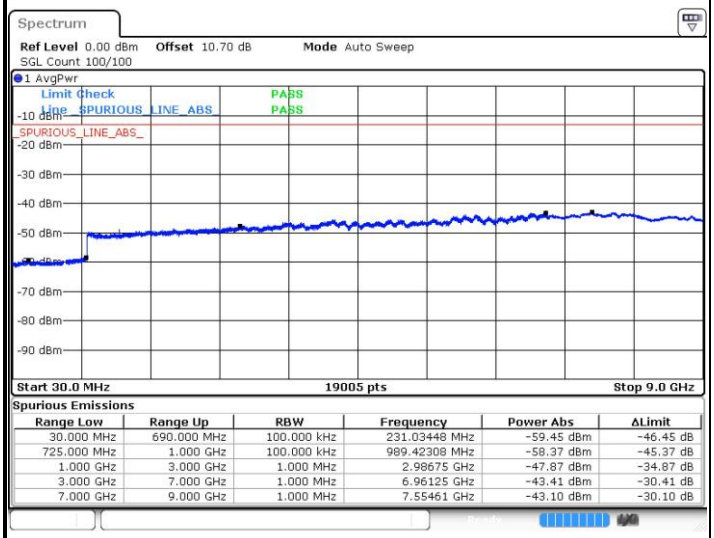


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	242.57871 MHz	-59.42 dBm	-46.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	973.48901 MHz	-58.41 dBm	-45.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97776 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90526 GHz	-43.22 dBm	-30.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-43.02 dBm	-30.02 dB

Date: 5.SEP.2018 01:26:32

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.03448 MHz	-59.45 dBm	-46.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.42308 MHz	-58.37 dBm	-45.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98675 GHz	-47.87 dBm	-34.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96125 GHz	-43.41 dBm	-30.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55461 GHz	-43.10 dBm	-30.10 dB

Date: 5.SEP.2018 01:30:05

TEL : 886-3-327-3456
FAX : 886-3-328-4978

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	0.0011	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0107	
0	Normal Voltage	0.0098	
-10	Normal Voltage	0.0079	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0089	
20	Maximum Voltage	0.0093	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

TEL : 886-3-327-3456
FAX : 886-3-328-4978

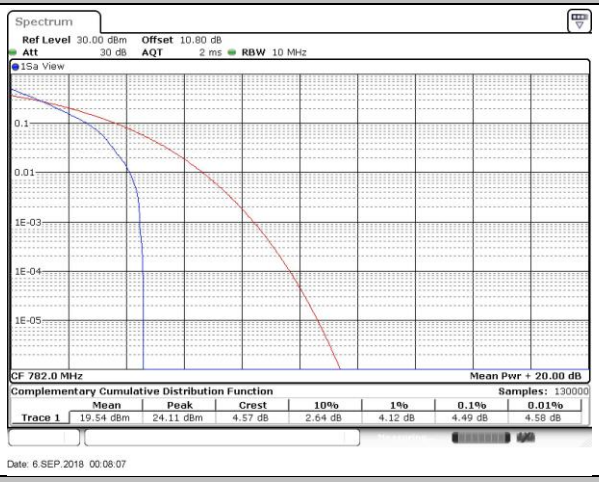
LTE Band 13

Peak-to-Average Ratio

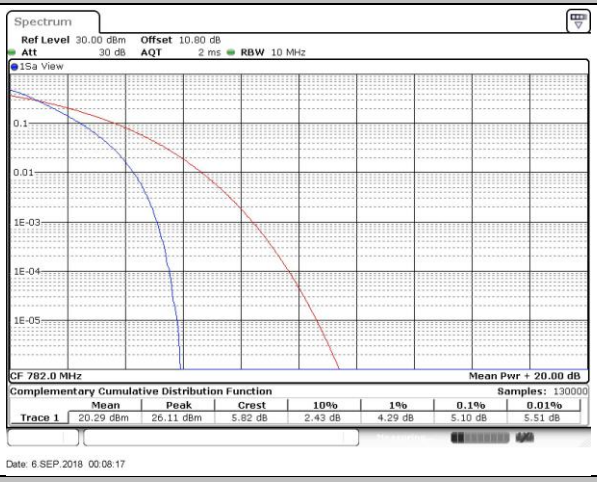
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.49	5.10	5.39	6.06	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	6.38	6.41	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB

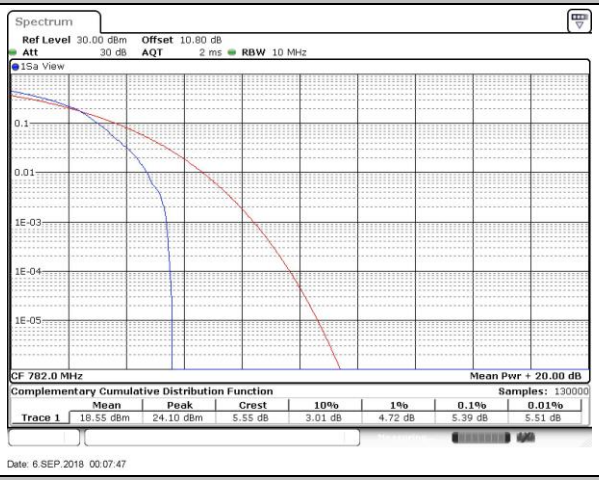


Middle Channel / Full RB

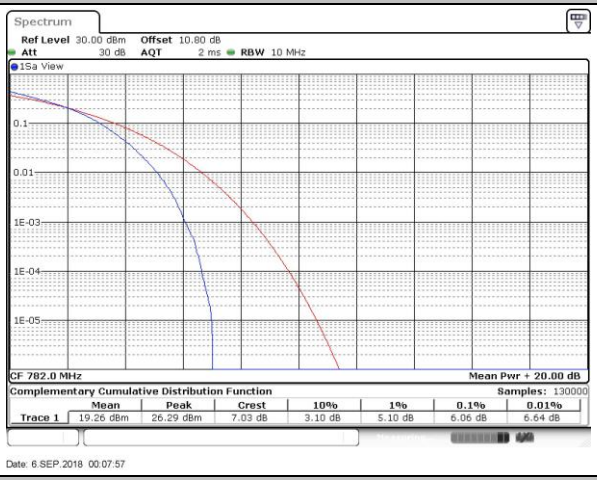


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB

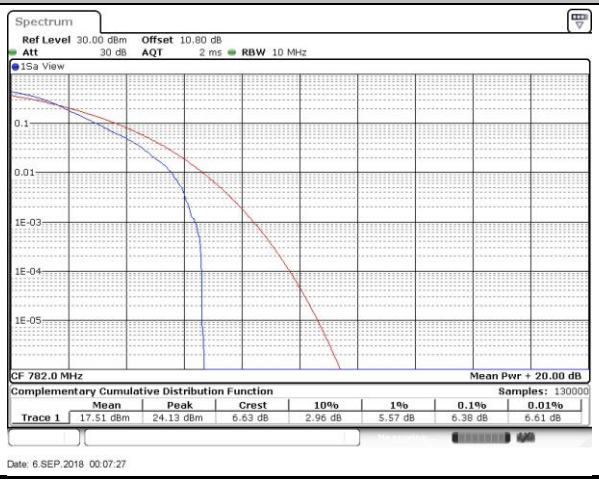


Middle Channel / Full RB

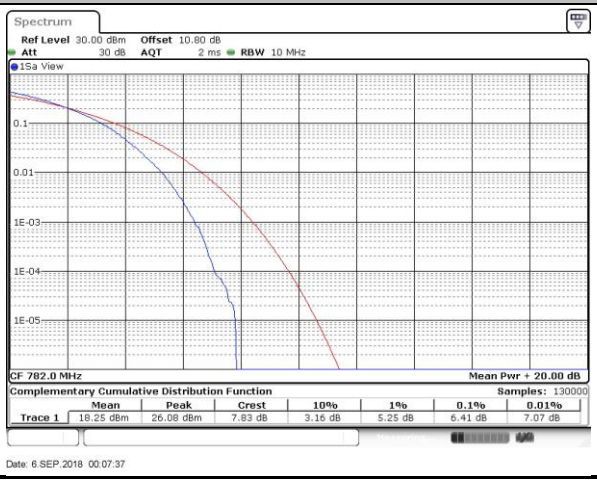


LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Middle Channel / Full RB

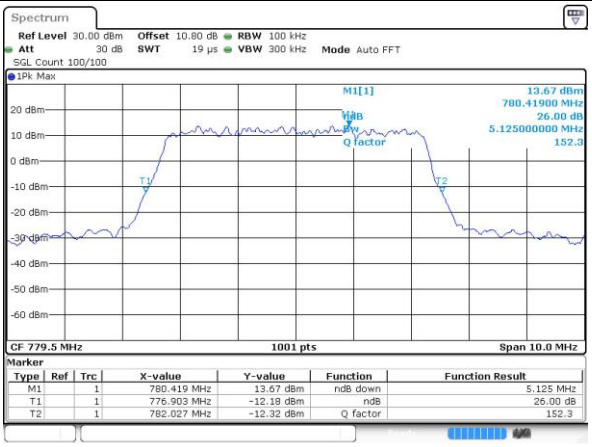


26dB Bandwidth

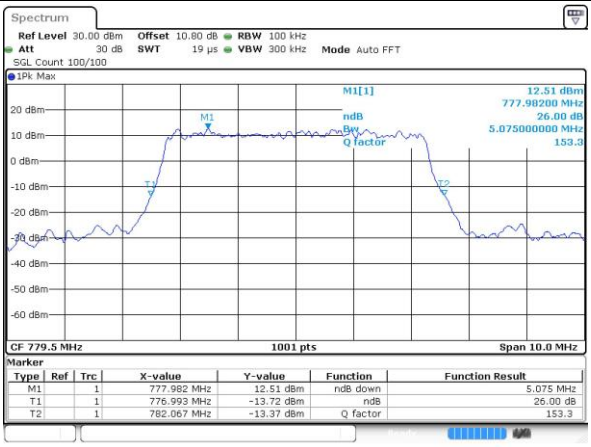
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.13	5.08	-	-	-	-	-	-
Middle CH	-	-	-	-	5.07	5.01	10.11	9.93	-	-	-	-
Highest CH	-	-	-	-	5.18	5.10	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.98	-	-	-	-	-	-	-
Middle CH	-	-	-	-	5.08	-	9.87	-	-	-	-	-
Highest CH	-	-	-	-	5.06	-	-	-	-	-	-	-

LTE Band 13

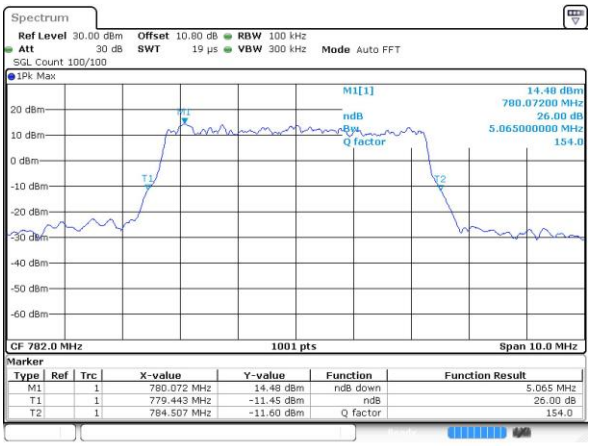
Lowest Channel / 5MHz / QPSK



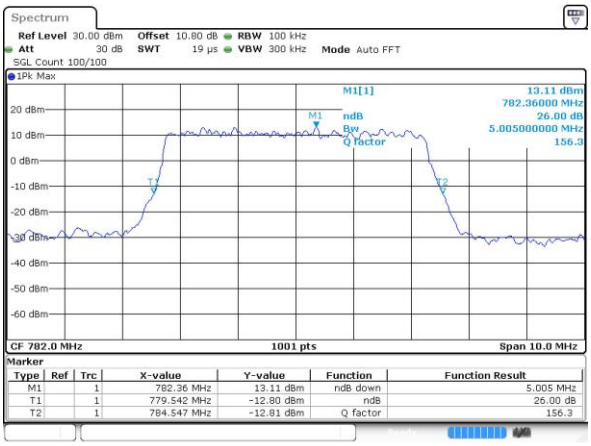
Lowest Channel / 5MHz / 16QAM



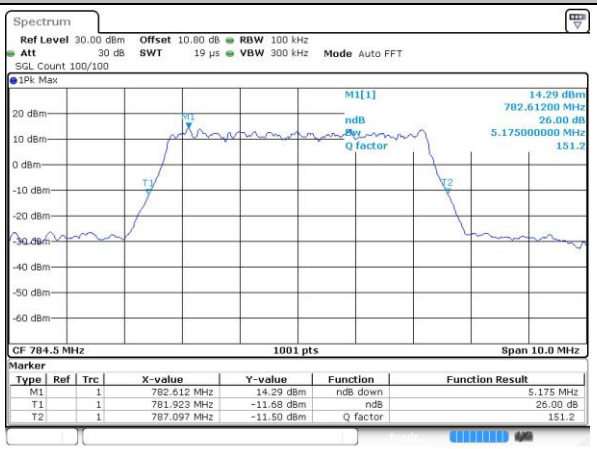
Middle Channel / 5MHz / QPSK



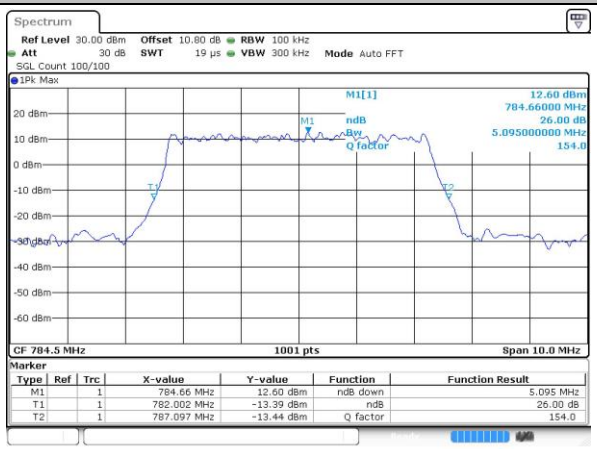
Middle Channel / 5MHz / 16QAM

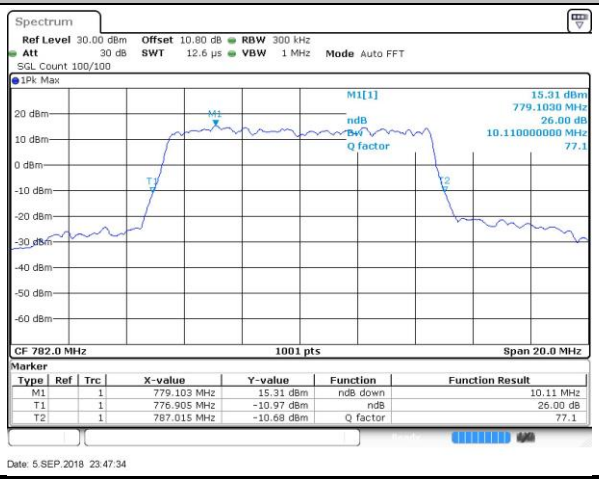
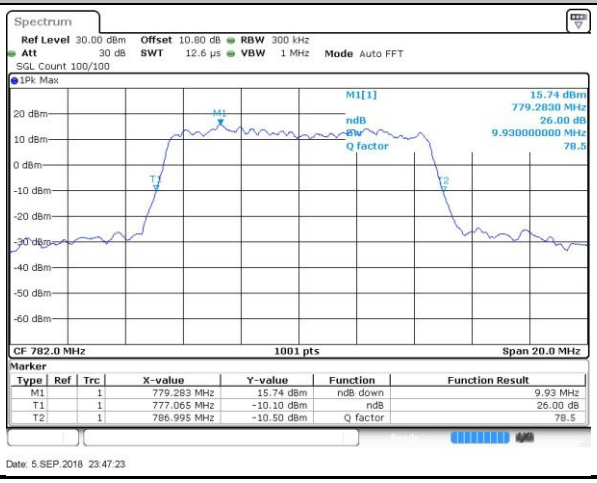


Highest Channel / 5MHz / QPSK



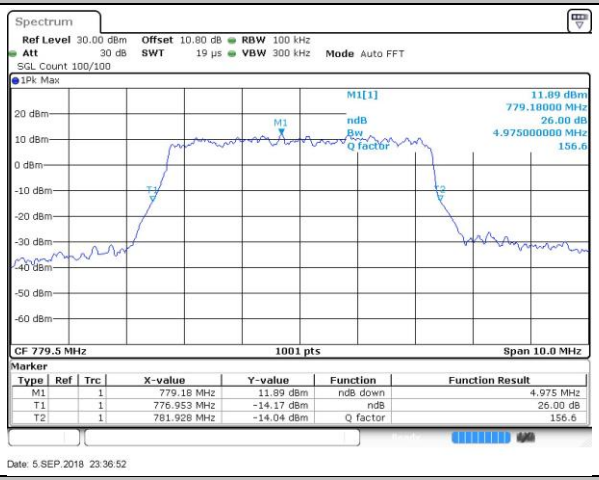
Highest Channel / 5MHz / 16QAM



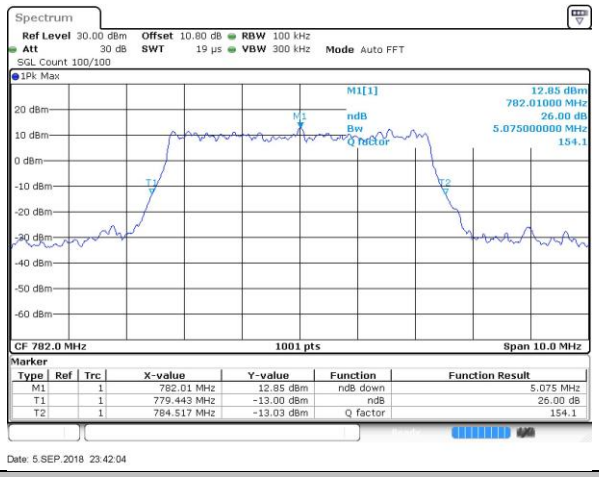
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

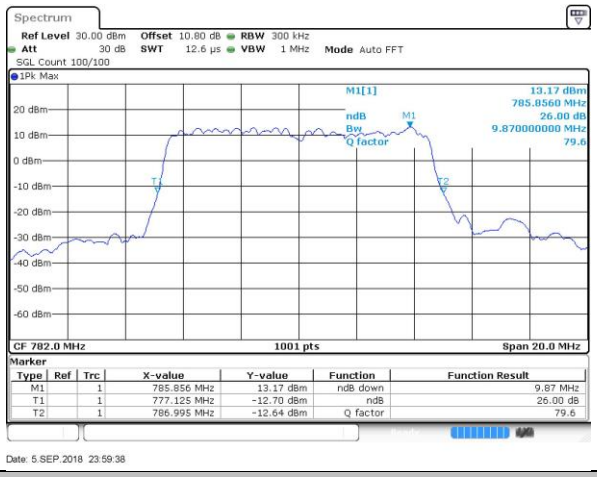
Lowest Channel / 5MHz / 64QAM



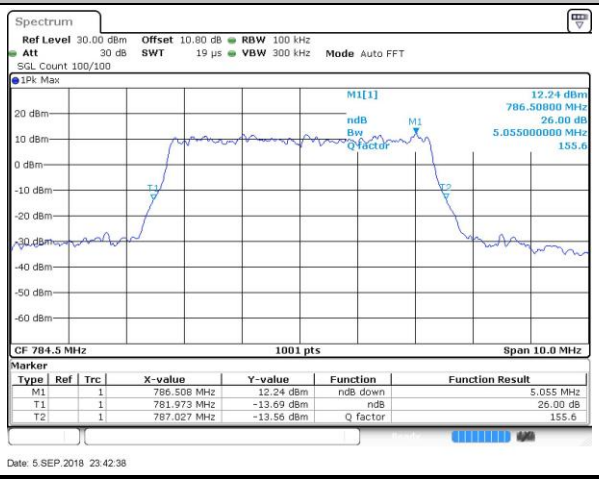
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

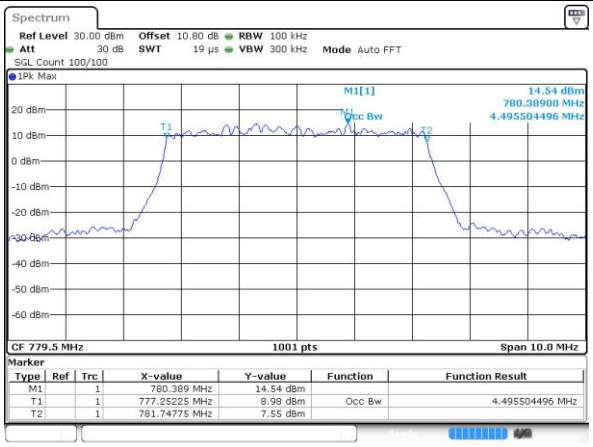


Occupied Bandwidth

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	-	-	-	-	4.5	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.51	4.5	9.07	9.01	-	-	-	-
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	-	-	-	-	4.50	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.52	-	-	-	-	-	-	-

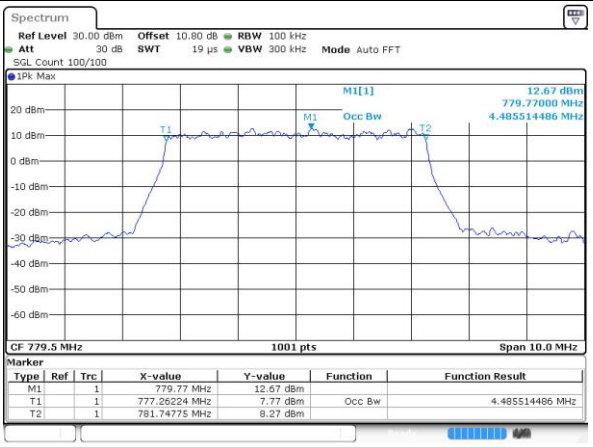
LTE Band 13

Lowest Channel / 5MHz / QPSK



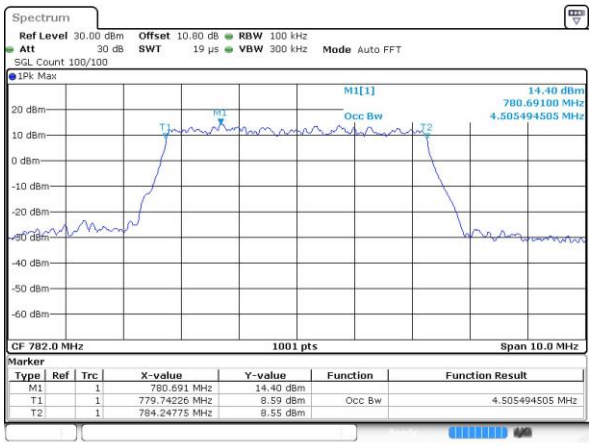
Date: 5.SEP.2018 23:16:01

Lowest Channel / 5MHz / 16QAM



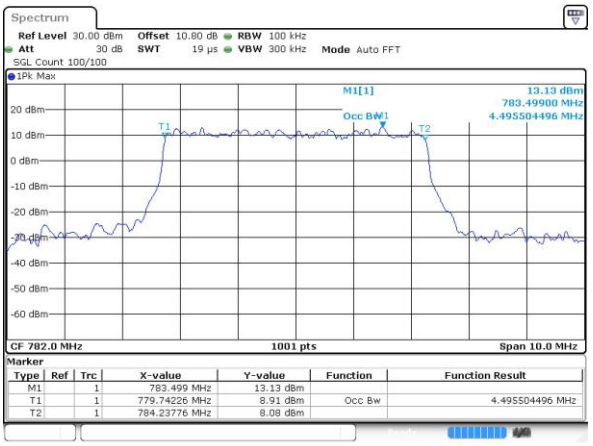
Date: 5.SEP.2018 23:16:13

Middle Channel / 5MHz / QPSK



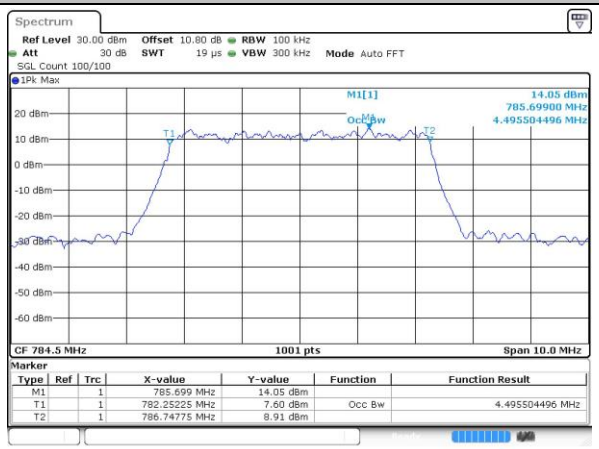
Date: 5.SEP.2018 23:27:23

Middle Channel / 5MHz / 16QAM



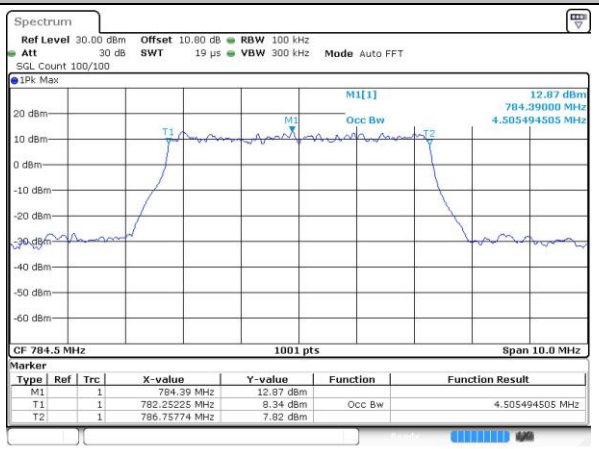
Date: 5.SEP.2018 23:27:11

Highest Channel / 5MHz / QPSK

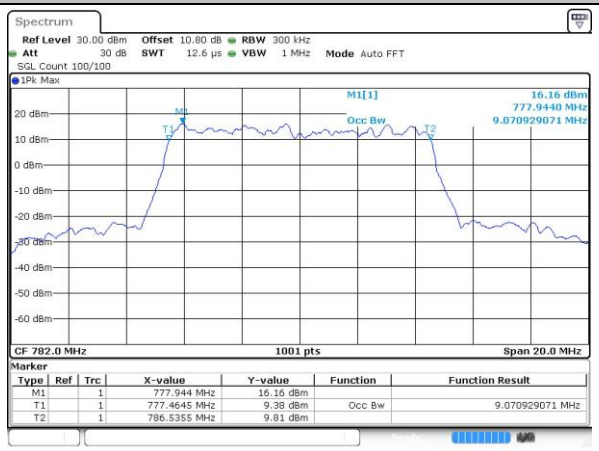
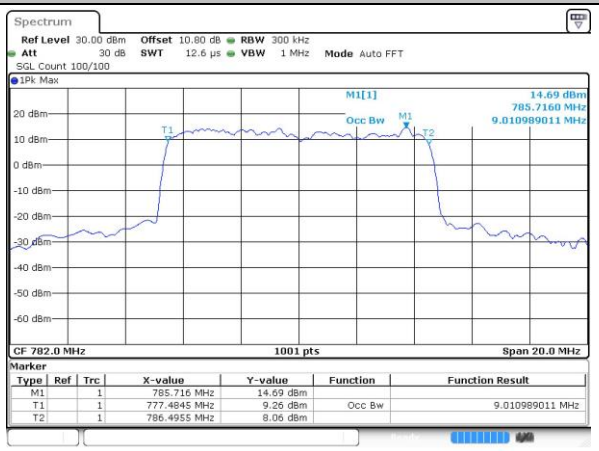


Date: 5.SEP.2018 23:27:34

Highest Channel / 5MHz / 16QAM

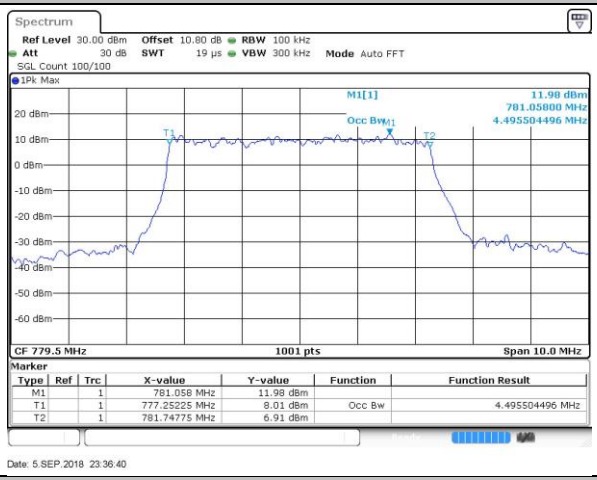


Date: 5.SEP.2018 23:27:45

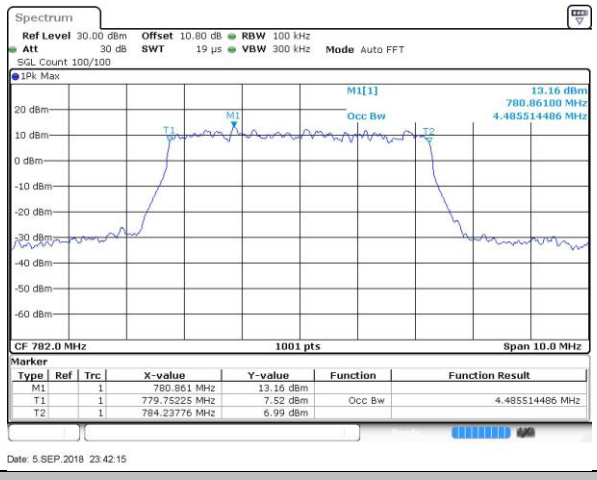
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13

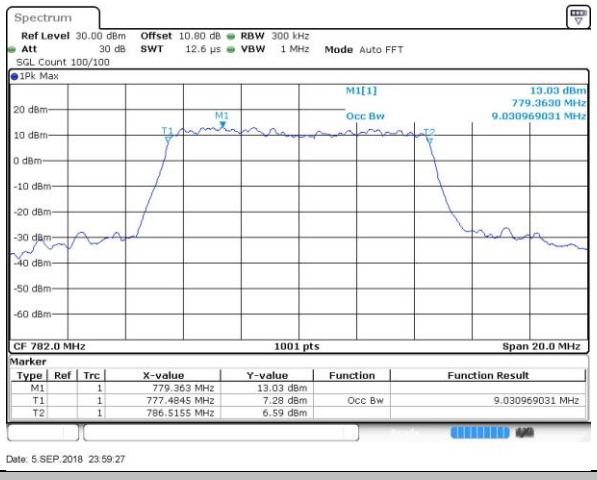
Lowest Channel / 5MHz / 64QAM



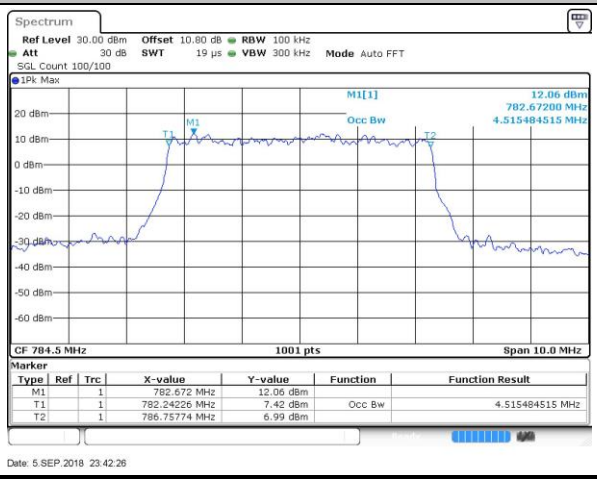
Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM



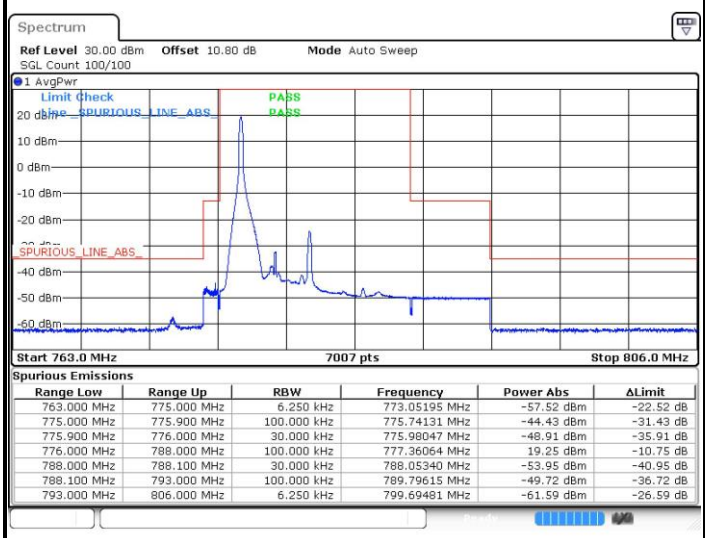
Highest Channel / 5MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

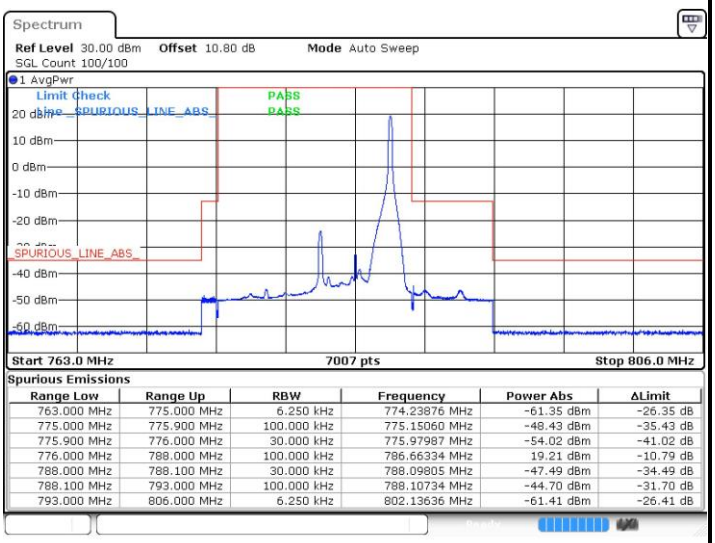


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.05195 MHz	-57.52 dBm	-22.52 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74131 MHz	-44.43 dBm	-31.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98047 MHz	-48.91 dBm	-35.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.36064 MHz	19.25 dBm	-10.75 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05340 MHz	-53.95 dBm	-40.95 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.79615 MHz	-49.72 dBm	-36.72 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.69481 MHz	-61.59 dBm	-26.59 dB

Date: 5.SEP.2018 23:23:16

Highest Band Edge / 1 RB

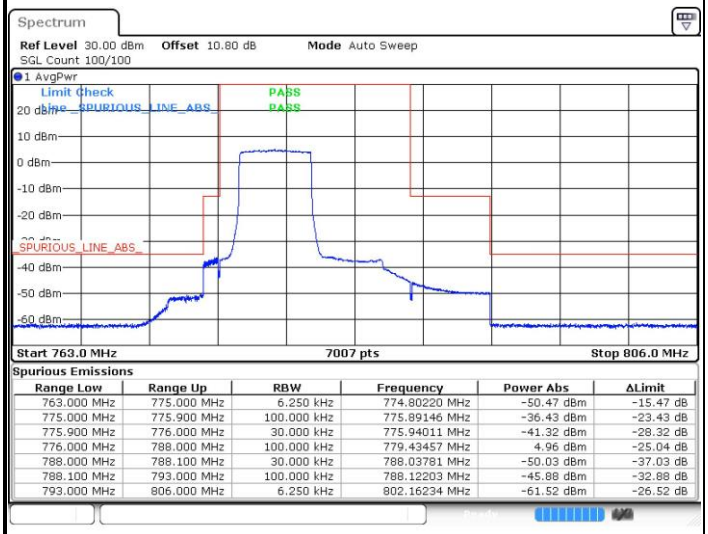


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.23876 MHz	-61.35 dBm	-26.35 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.15060 MHz	-48.43 dBm	-35.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97987 MHz	-54.02 dBm	-41.02 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	19.21 dBm	-10.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09805 MHz	-47.49 dBm	-34.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-44.70 dBm	-31.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.13636 MHz	-61.41 dBm	-26.41 dB

Date: 5.SEP.2018 23:34:49

Lowest Band Edge / Full RB

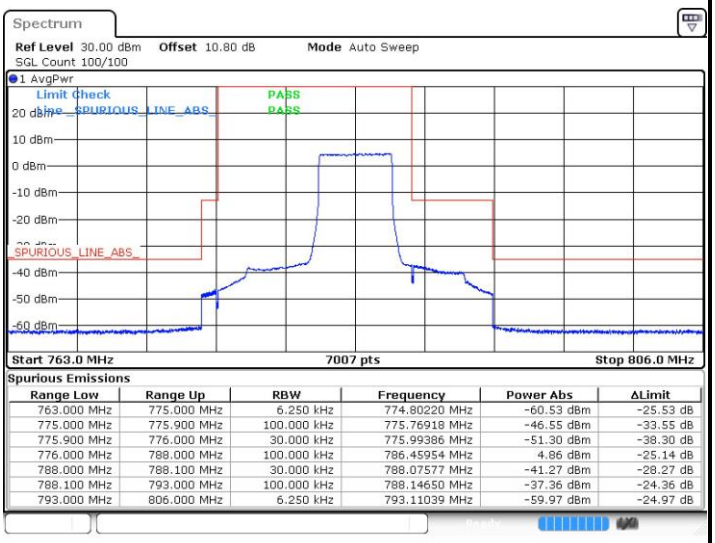


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.80220 MHz	-50.47 dBm	-15.47 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89146 MHz	-36.43 dBm	-23.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94011 MHz	-41.32 dBm	-28.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.43457 MHz	4.96 dBm	-25.04 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03781 MHz	-50.03 dBm	-37.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-45.88 dBm	-32.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.16234 MHz	-61.52 dBm	-26.52 dB

Date: 5.SEP.2018 23:18:15

Highest Band Edge / Full RB



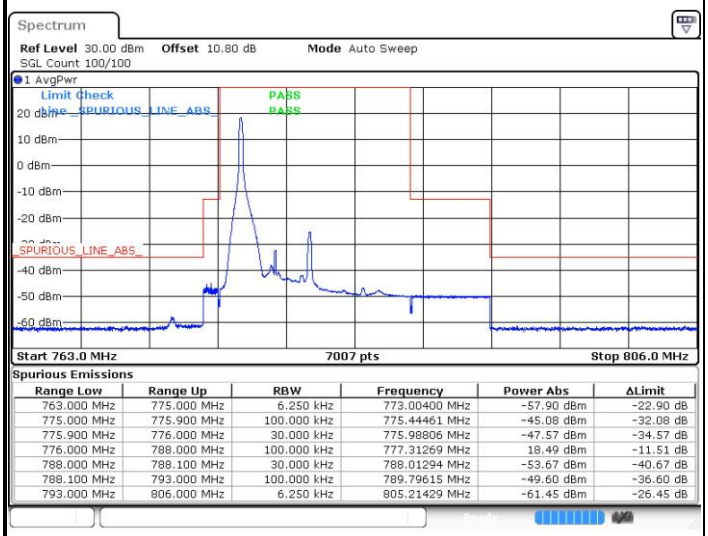
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.80220 MHz	-60.53 dBm	-25.53 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76918 MHz	-46.55 dBm	-33.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99386 MHz	-51.30 dBm	-38.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.45954 MHz	4.86 dBm	-25.14 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07577 MHz	-41.27 dBm	-28.27 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14650 MHz	-37.36 dBm	-24.36 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-59.97 dBm	-24.97 dB

Date: 5.SEP.2018 23:29:48

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

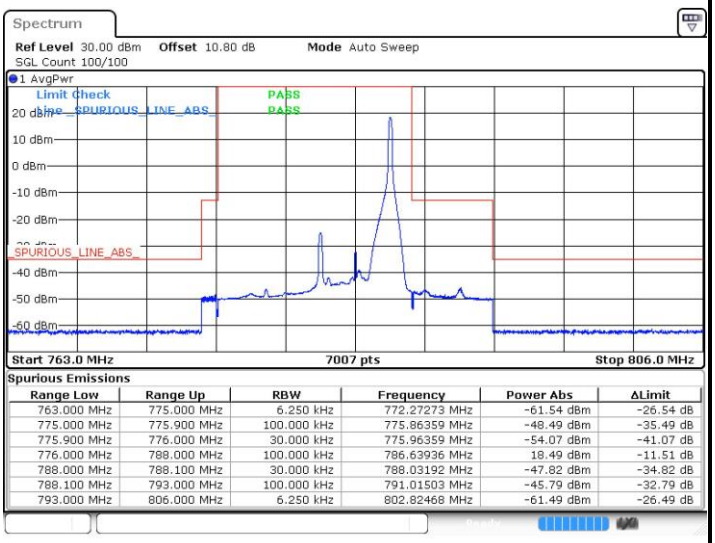


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.00400 MHz	-57.90 dBm	-22.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.44461 MHz	-45.08 dBm	-32.08 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98806 MHz	-47.57 dBm	-34.57 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	18.49 dBm	-11.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01294 MHz	-53.67 dBm	-40.67 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.79615 MHz	-49.60 dBm	-36.60 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.21429 MHz	-61.45 dBm	-26.45 dB

Date: 5.SEP.2018 23:21:36

Highest Band Edge / 1 RB

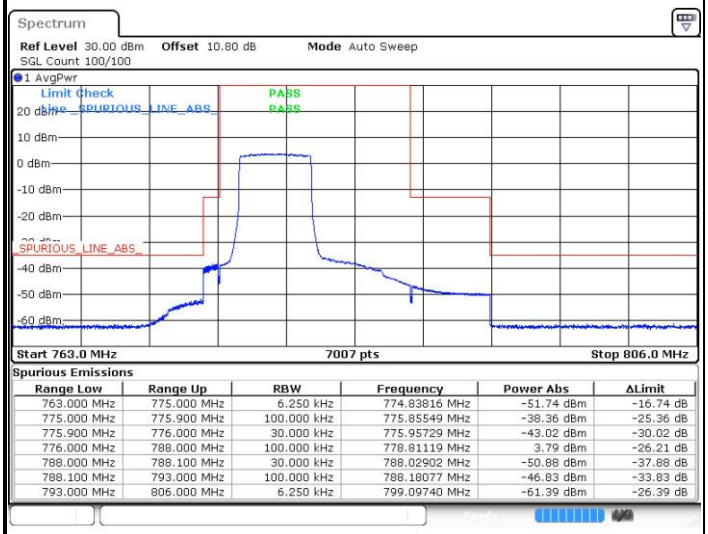


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.27273 MHz	-61.54 dBm	-26.54 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86359 MHz	-48.49 dBm	-35.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96359 MHz	-54.07 dBm	-41.07 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	18.49 dBm	-11.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03192 MHz	-47.82 dBm	-34.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.01503 MHz	-45.79 dBm	-32.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.82468 MHz	-61.49 dBm	-26.49 dB

Date: 5.SEP.2018 23:33:08

Lowest Band Edge / Full RB

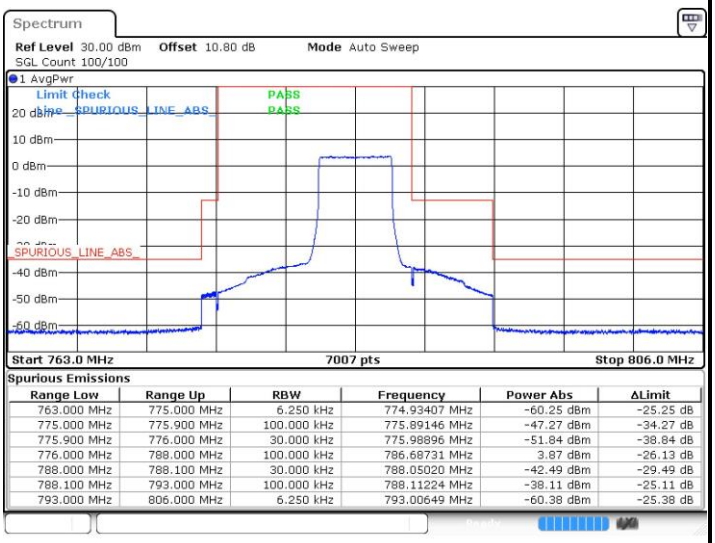


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.83816 MHz	-51.74 dBm	-16.74 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85549 MHz	-38.36 dBm	-25.36 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95729 MHz	-43.02 dBm	-30.02 dB
776.000 MHz	788.000 MHz	100.000 kHz	778.81119 MHz	3.79 dBm	-26.21 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02902 MHz	-50.88 dBm	-37.88 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-46.83 dBm	-33.83 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.09740 MHz	-61.39 dBm	-26.39 dB

Date: 5.SEP.2018 23:19:56

Highest Band Edge / Full RB



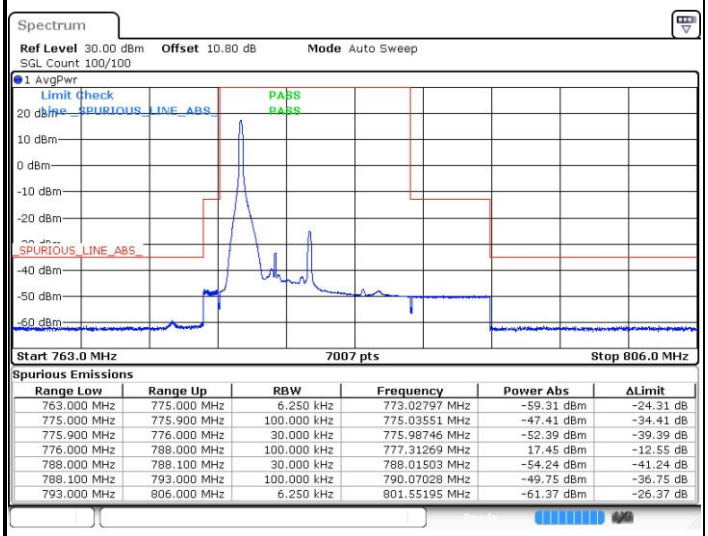
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.93407 MHz	-60.25 dBm	-25.25 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89146 MHz	-47.27 dBm	-34.27 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98896 MHz	-51.84 dBm	-38.84 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	3.87 dBm	-26.13 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05020 MHz	-42.49 dBm	-29.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-38.11 dBm	-25.11 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-60.38 dBm	-25.38 dB

Date: 5.SEP.2018 23:31:28

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

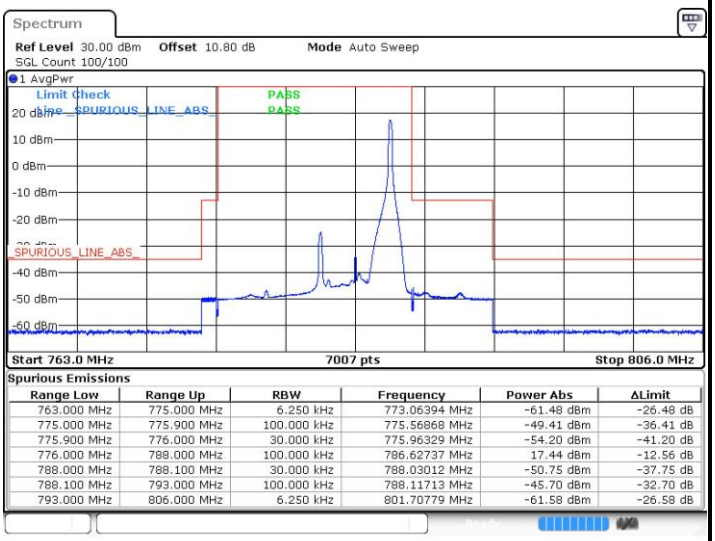


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.02797 MHz	-59.31 dBm	-24.31 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.03551 MHz	-47.41 dBm	-34.41 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98746 MHz	-52.39 dBm	-39.39 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	17.45 dBm	-12.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01503 MHz	-54.24 dBm	-41.24 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.07028 MHz	-49.75 dBm	-36.75 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.55195 MHz	-61.37 dBm	-26.37 dB

Date: 5.SEP.2018 23:40:12

Highest Band Edge / 1 RB

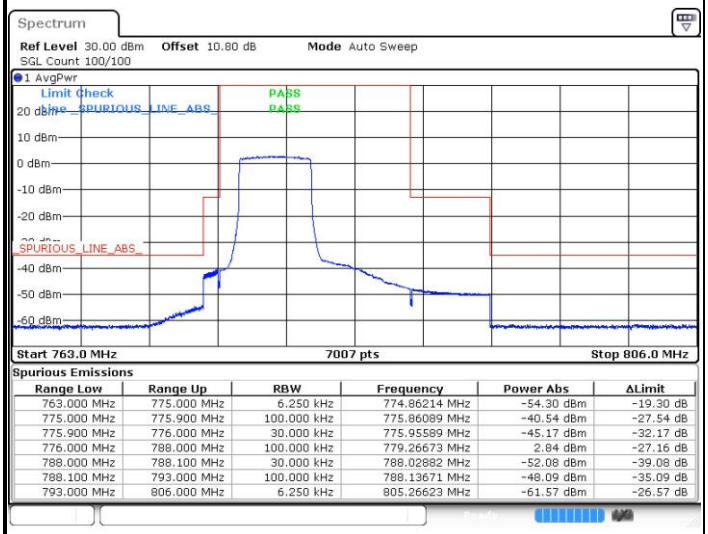


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.06394 MHz	-61.48 dBm	-26.48 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.56868 MHz	-49.41 dBm	-36.41 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96329 MHz	-54.20 dBm	-41.20 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	17.44 dBm	-12.56 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03012 MHz	-50.75 dBm	-37.75 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-45.70 dBm	-32.70 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.70779 MHz	-61.58 dBm	-26.58 dB

Date: 5.SEP.2018 23:45:58

Lowest Band Edge / Full RB

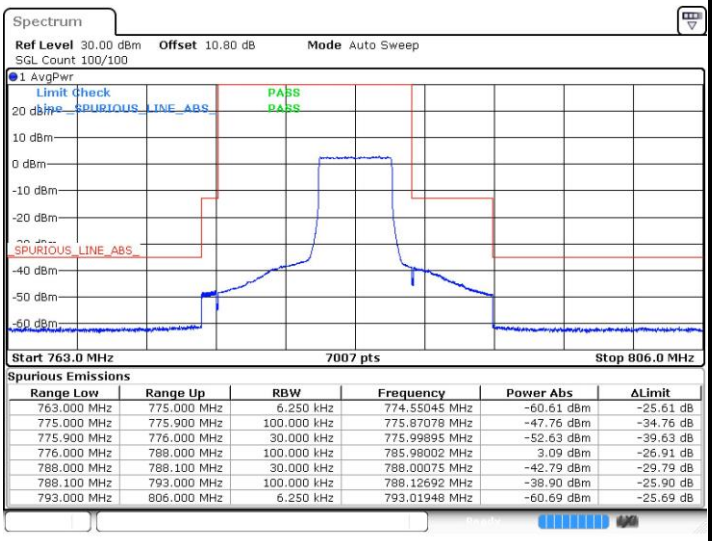


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.86214 MHz	-54.30 dBm	-19.30 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86089 MHz	-40.54 dBm	-27.54 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95589 MHz	-45.17 dBm	-32.17 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.26673 MHz	2.84 dBm	-27.16 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02882 MHz	-52.08 dBm	-39.08 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13671 MHz	-48.09 dBm	-35.09 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.26623 MHz	-61.57 dBm	-26.57 dB

Date: 5.SEP.2018 23:38:32

Highest Band Edge / Full RB



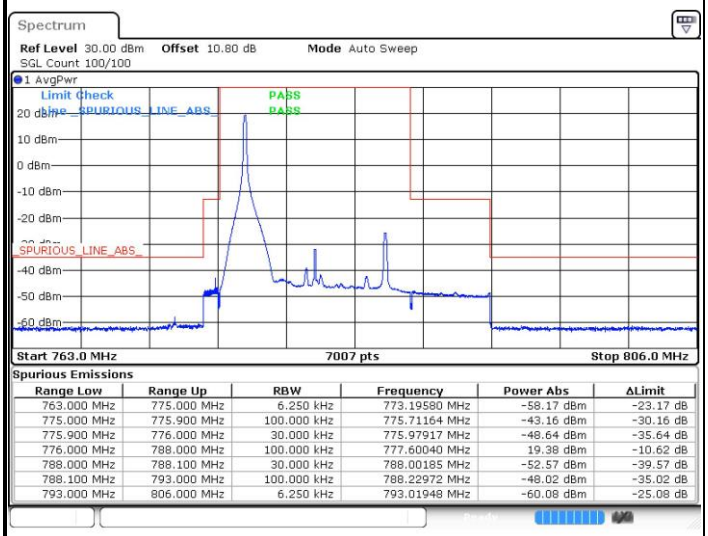
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.55045 MHz	-60.61 dBm	-25.61 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87078 MHz	-47.76 dBm	-34.76 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99895 MHz	-52.63 dBm	-39.63 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.98002 MHz	3.09 dBm	-26.91 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00075 MHz	-42.79 dBm	-29.79 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-38.90 dBm	-25.90 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-60.69 dBm	-25.69 dB

Date: 5.SEP.2018 23:44:18

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

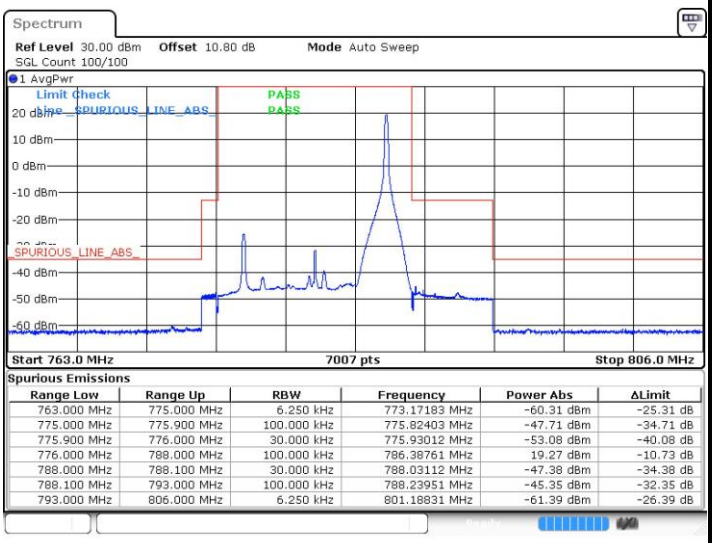


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.19580 MHz	-58.17 dBm	-23.17 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.71164 MHz	-43.16 dBm	-30.16 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97917 MHz	-48.64 dBm	-35.64 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	19.38 dBm	-10.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00185 MHz	-52.57 dBm	-39.57 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.22972 MHz	-48.02 dBm	-35.02 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-60.08 dBm	-25.08 dB

Date: 5.SEP.2018 23:54:14

Highest Band Edge / 1 RB

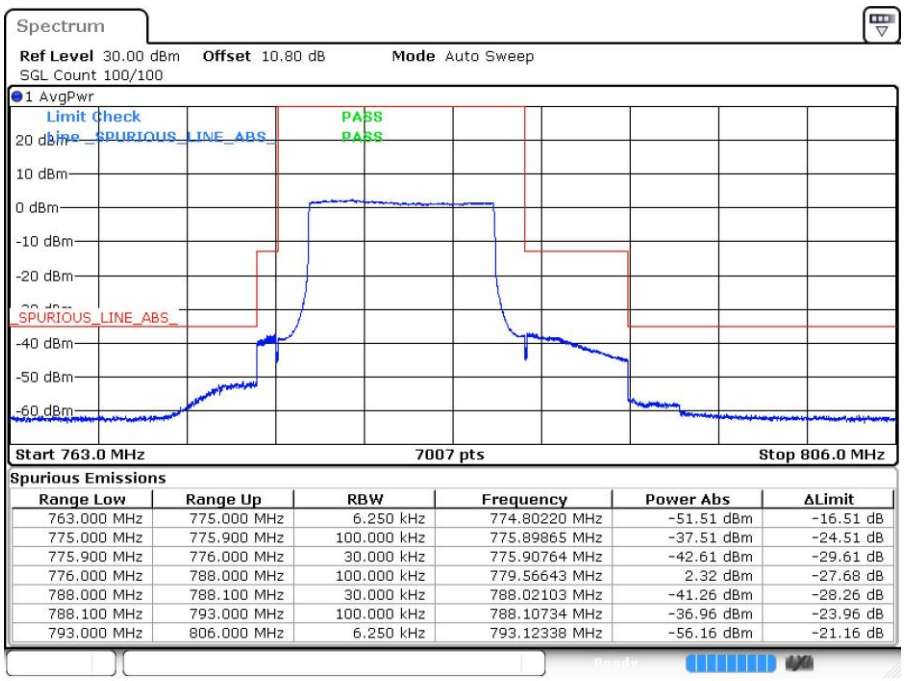


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.17183 MHz	-60.31 dBm	-25.31 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82403 MHz	-47.71 dBm	-34.71 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93012 MHz	-53.08 dBm	-40.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	19.27 dBm	-10.73 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03112 MHz	-47.38 dBm	-34.38 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.23951 MHz	-45.35 dBm	-32.35 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.18831 MHz	-61.39 dBm	-26.39 dB

Date: 5.SEP.2018 23:55:55

Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.80220 MHz	-51.51 dBm	-16.51 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89865 MHz	-37.51 dBm	-24.51 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90764 MHz	-42.61 dBm	-29.61 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.56643 MHz	2.32 dBm	-27.68 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02103 MHz	-41.26 dBm	-28.26 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-36.96 dBm	-23.96 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.12338 MHz	-56.16 dBm	-21.16 dB

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