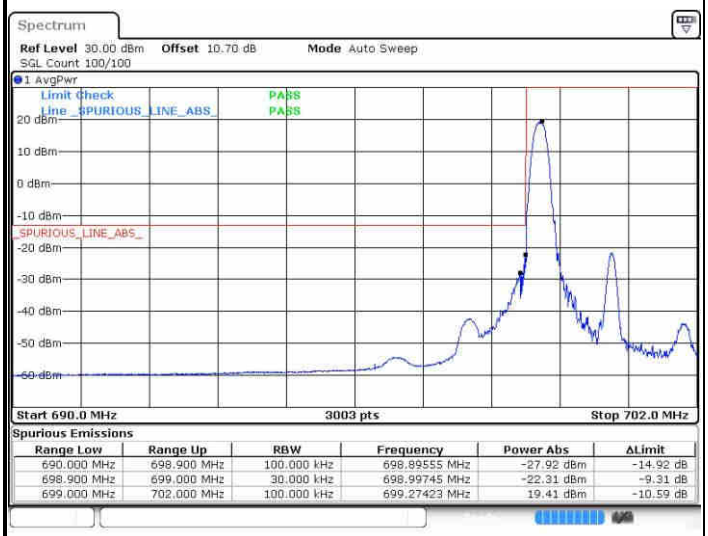
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

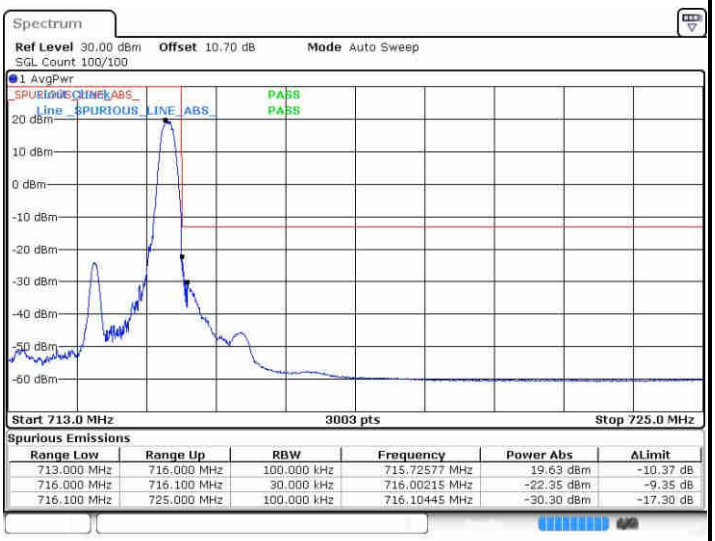


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.92 dBm	-14.92 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99745 MHz	-22.31 dBm	-9.31 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.27423 MHz	19.41 dBm	-10.59 dB

Date: 29.APR.2019 17:38:06

Highest Band Edge / 1 RB

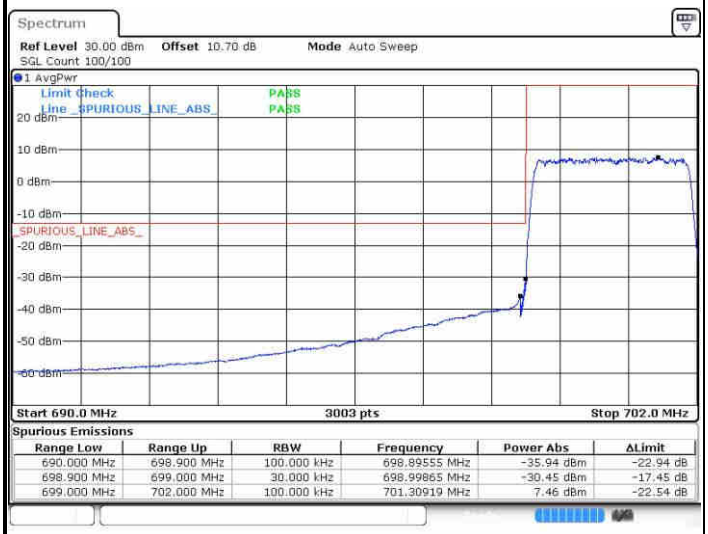


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.72577 MHz	19.63 dBm	-10.37 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00215 MHz	-22.35 dBm	-9.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.30 dBm	-17.30 dB

Date: 29.APR.2019 17:42:07

Lowest Band Edge / Full RB

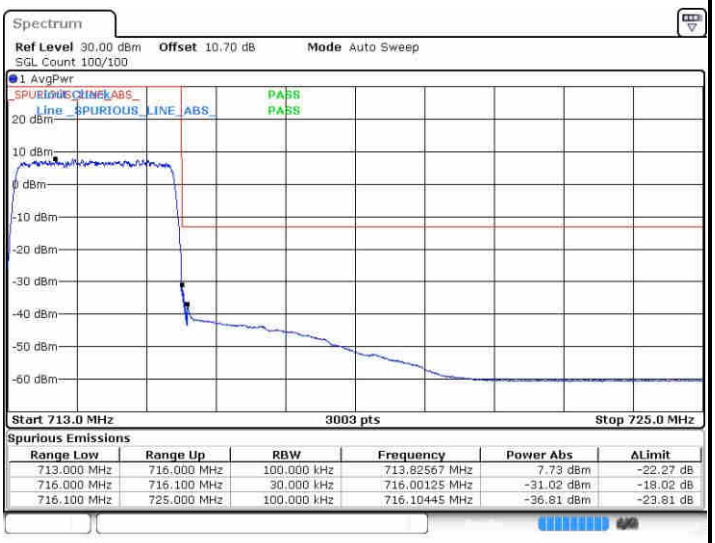


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.94 dBm	-22.94 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99865 MHz	-30.45 dBm	-17.45 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.30919 MHz	7.46 dBm	-22.54 dB

Date: 29.APR.2019 17:37:05

Highest Band Edge / Full RB



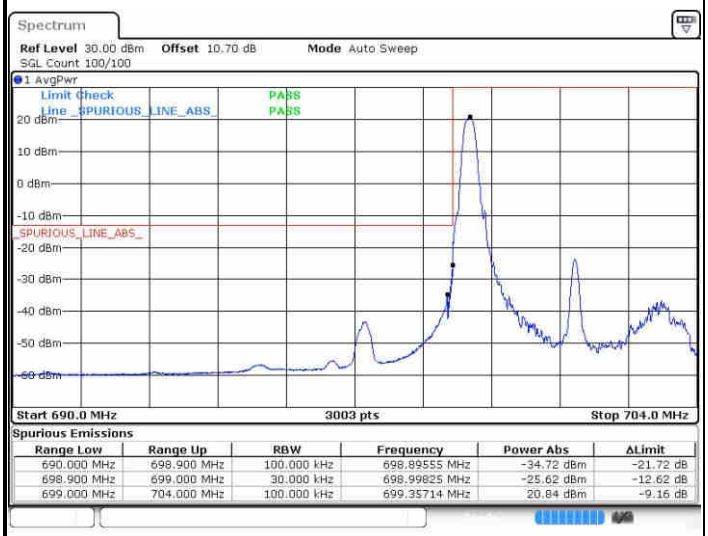
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.82567 MHz	7.73 dBm	-22.27 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00125 MHz	-31.02 dBm	-18.02 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.81 dBm	-23.81 dB

Date: 29.APR.2019 17:41:06

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

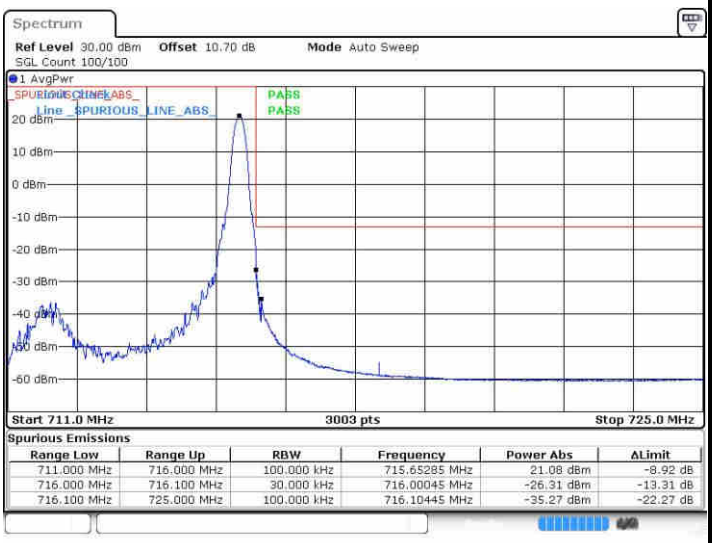


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.72 dBm	-21.72 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-25.62 dBm	-12.62 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35714 MHz	20.84 dBm	-9.16 dB

Date: 29.APR.2019 17:54:41

Highest Band Edge / 1 RB

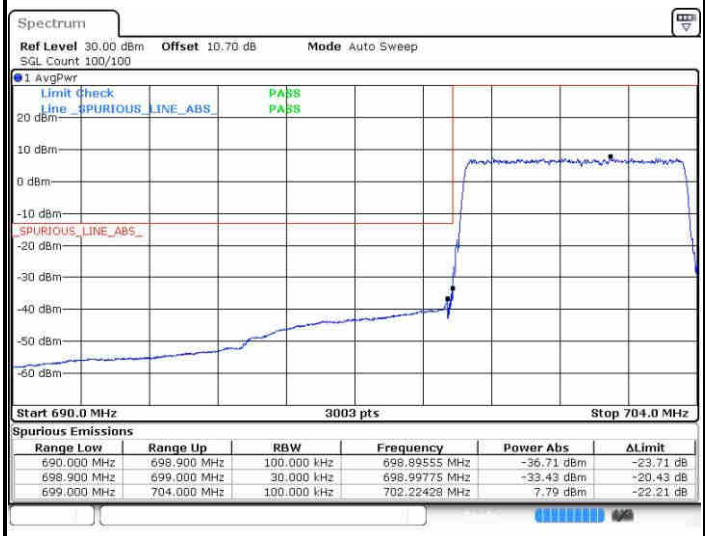


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65285 MHz	21.08 dBm	-8.92 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-26.31 dBm	-13.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.27 dBm	-22.27 dB

Date: 29.APR.2019 18:01:44

Lowest Band Edge / Full RB

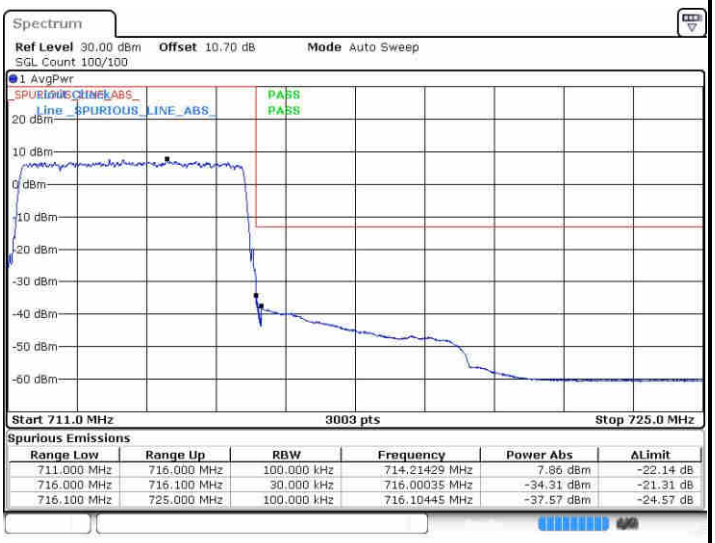


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-36.71 dBm	-23.71 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99775 MHz	-33.43 dBm	-20.43 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.22428 MHz	7.79 dBm	-22.21 dB

Date: 29.APR.2019 17:51:38

Highest Band Edge / Full RB



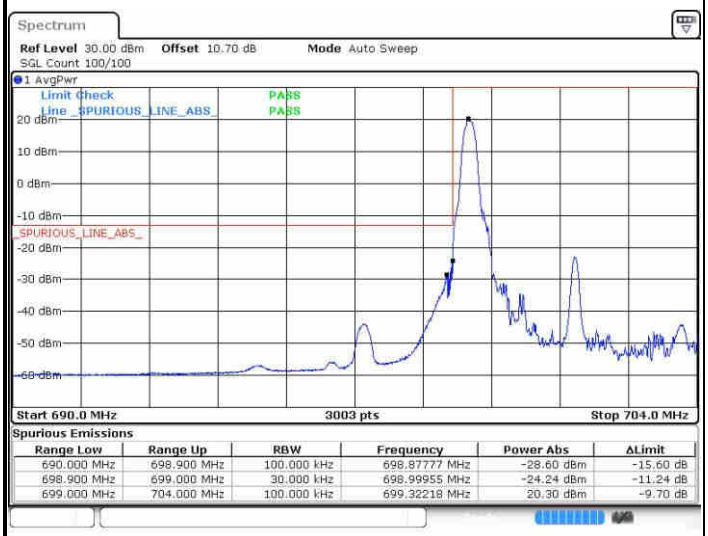
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.21429 MHz	7.86 dBm	-22.14 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-34.31 dBm	-21.31 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-37.57 dBm	-24.57 dB

Date: 29.APR.2019 17:59:42

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

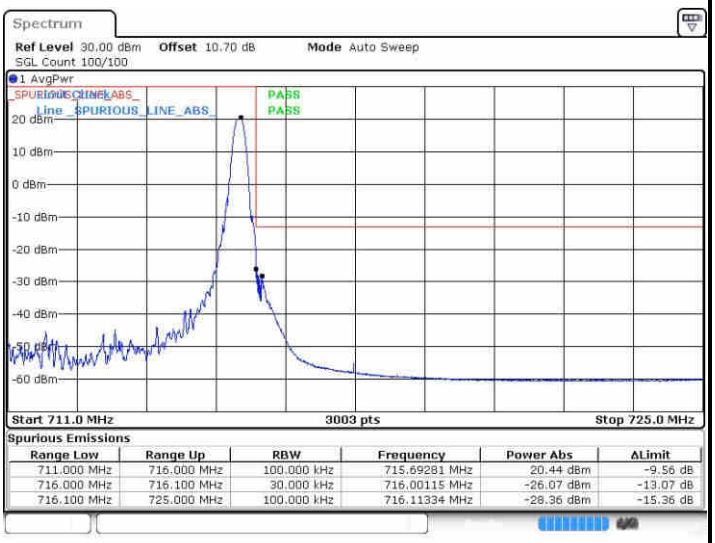


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.87777 MHz	-28.60 dBm	-15.60 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99955 MHz	-24.24 dBm	-11.24 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.32218 MHz	20.30 dBm	-9.70 dB

Date: 29.APR.2019 17:53:40

Highest Band Edge / 1 RB

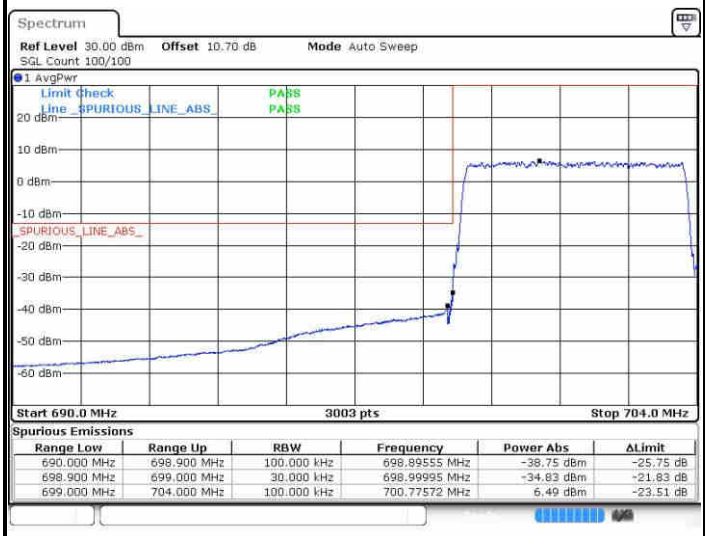


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.69281 MHz	20.44 dBm	-9.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00115 MHz	-26.07 dBm	-13.07 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-28.36 dBm	-15.36 dB

Date: 29.APR.2019 18:02:45

Lowest Band Edge / Full RB

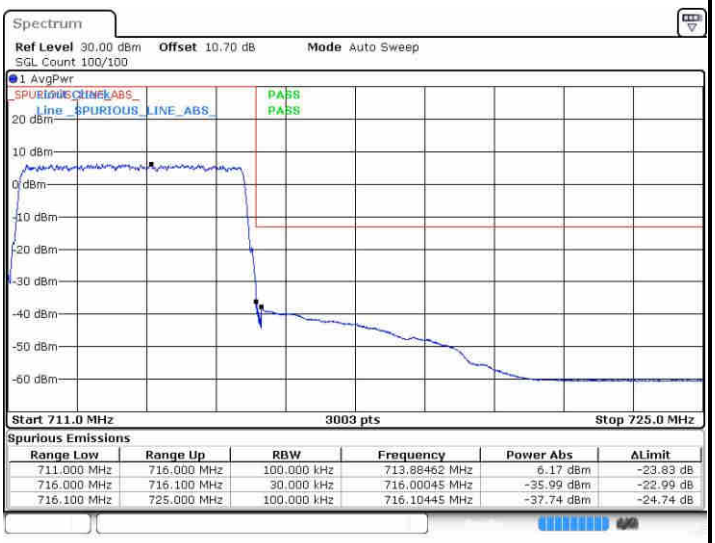


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-38.75 dBm	-25.75 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-34.83 dBm	-21.83 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.77572 MHz	6.49 dBm	-23.51 dB

Date: 29.APR.2019 17:52:39

Highest Band Edge / Full RB



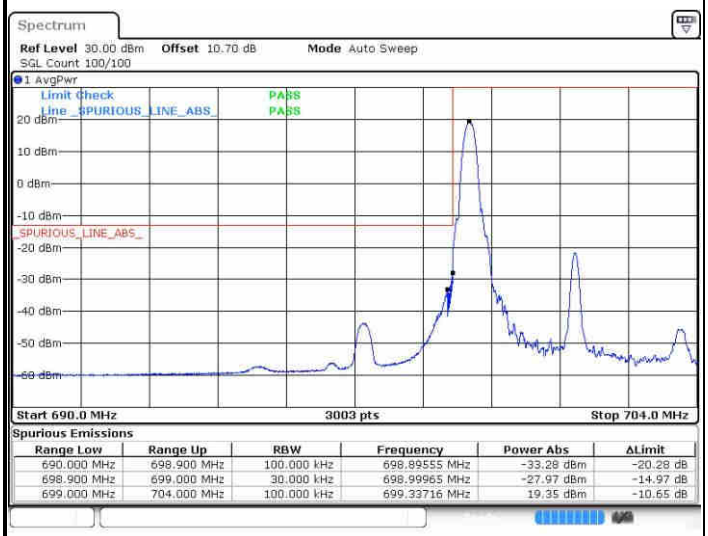
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.88462 MHz	6.17 dBm	-23.83 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-35.99 dBm	-22.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-37.74 dBm	-24.74 dB

Date: 29.APR.2019 18:00:43

LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB

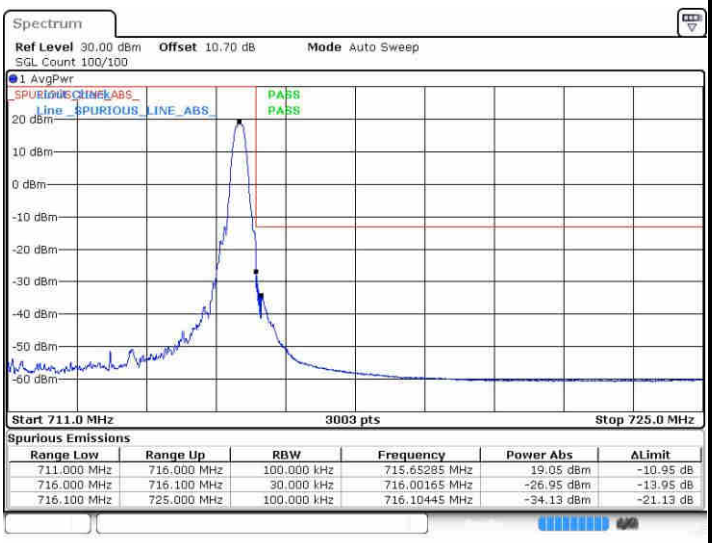


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-33.28 dBm	-20.28 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99965 MHz	-27.97 dBm	-14.97 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33716 MHz	19.35 dBm	-10.65 dB

Date: 29.APR.2019 17:45:10

Highest Band Edge / 1 RB

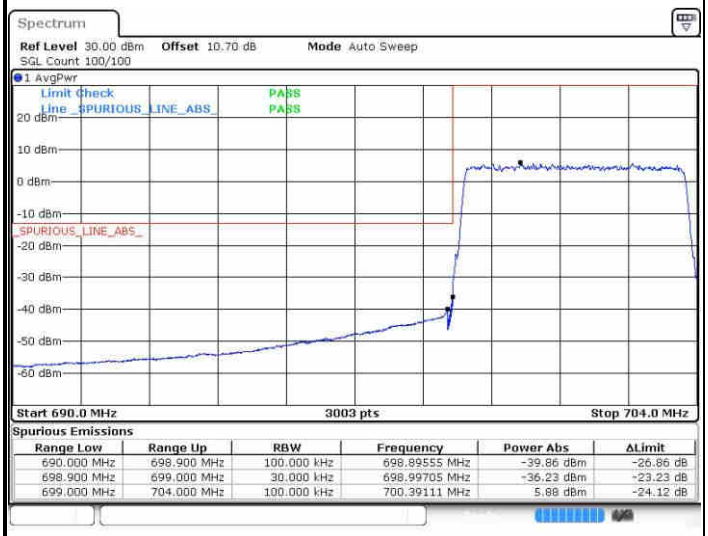


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65285 MHz	19.05 dBm	-10.95 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00165 MHz	-26.95 dBm	-13.95 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.13 dBm	-21.13 dB

Date: 29.APR.2019 17:49:12

Lowest Band Edge / Full RB

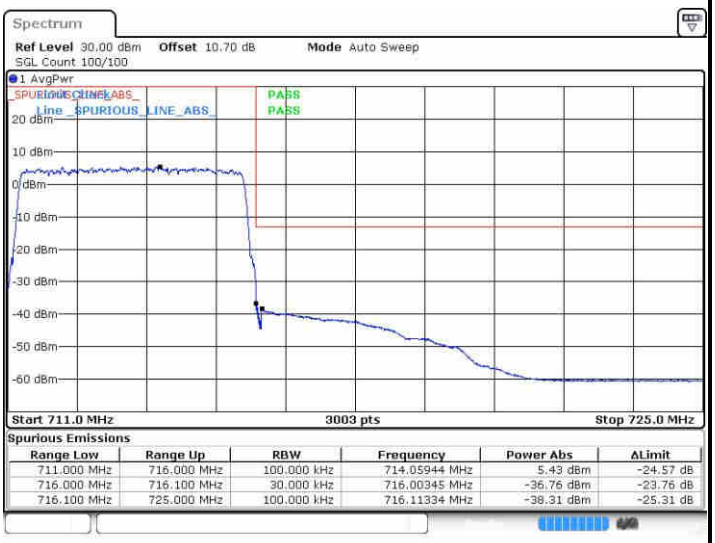


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-39.86 dBm	-26.86 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99705 MHz	-36.23 dBm	-23.23 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.39111 MHz	5.88 dBm	-24.12 dB

Date: 29.APR.2019 17:44:09

Highest Band Edge / Full RB



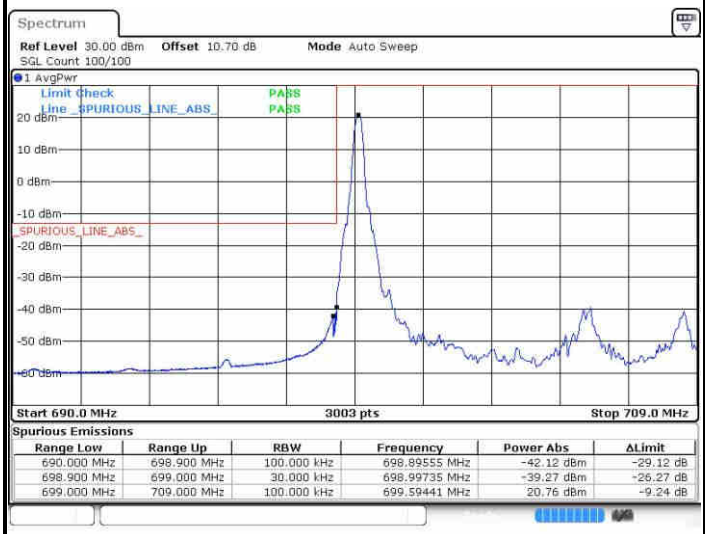
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.05944 MHz	5.43 dBm	-24.57 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00345 MHz	-36.76 dBm	-23.76 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-38.31 dBm	-25.31 dB

Date: 29.APR.2019 17:48:11

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

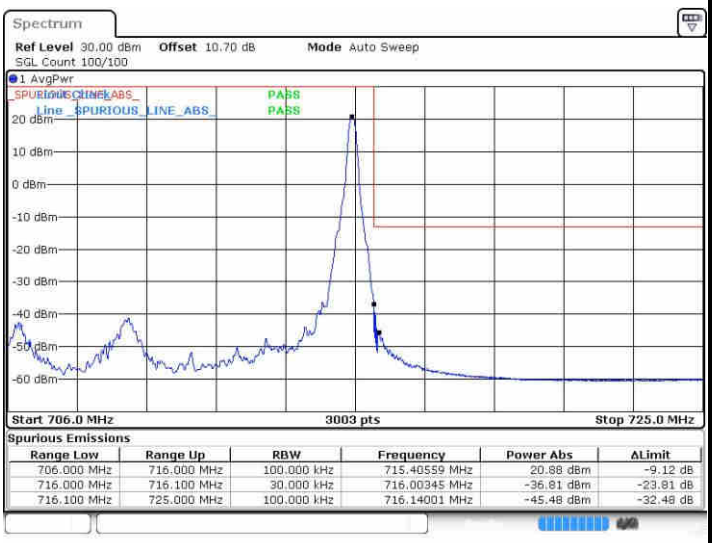


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-42.12 dBm	-29.12 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99735 MHz	-39.27 dBm	-26.27 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.59441 MHz	20.76 dBm	-9.24 dB

Date: 29.APR.2019 18:41:16

Highest Band Edge / 1 RB

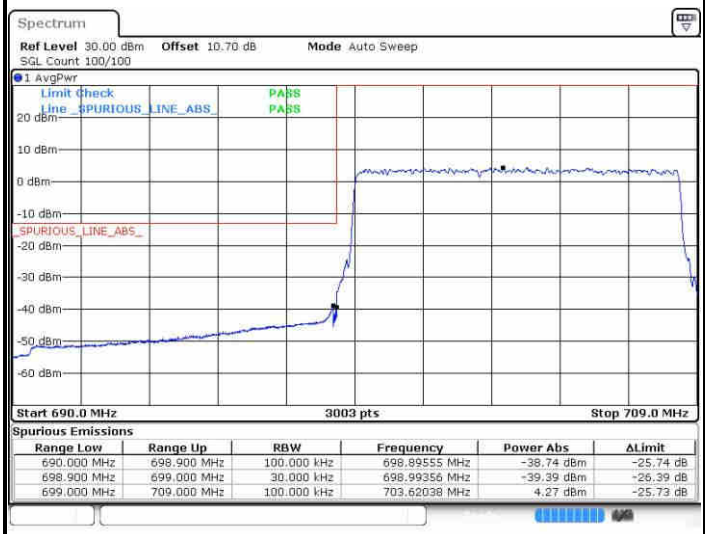


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40559 MHz	20.88 dBm	-9.12 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00345 MHz	-36.81 dBm	-23.81 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.14001 MHz	-45.48 dBm	-32.48 dB

Date: 29.APR.2019 18:49:19

Lowest Band Edge / Full RB

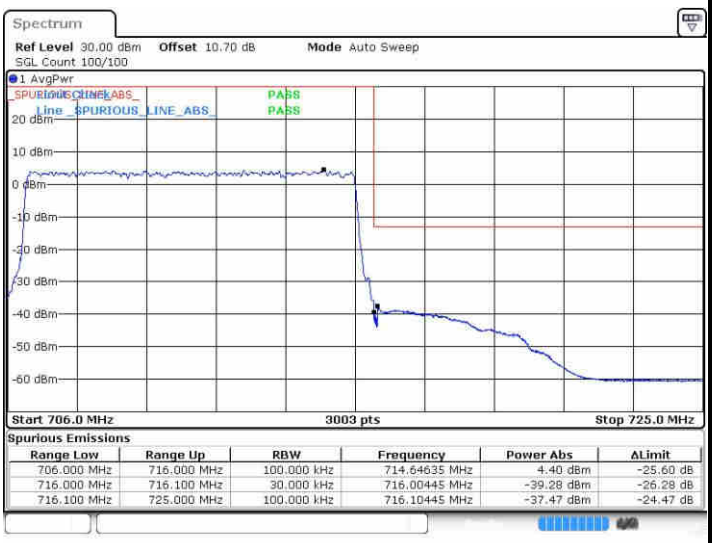


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-38.74 dBm	-25.74 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99356 MHz	-39.39 dBm	-26.39 dB
699.000 MHz	709.000 MHz	100.000 kHz	703.62038 MHz	4.27 dBm	-25.73 dB

Date: 29.APR.2019 18:38:13

Highest Band Edge / Full RB



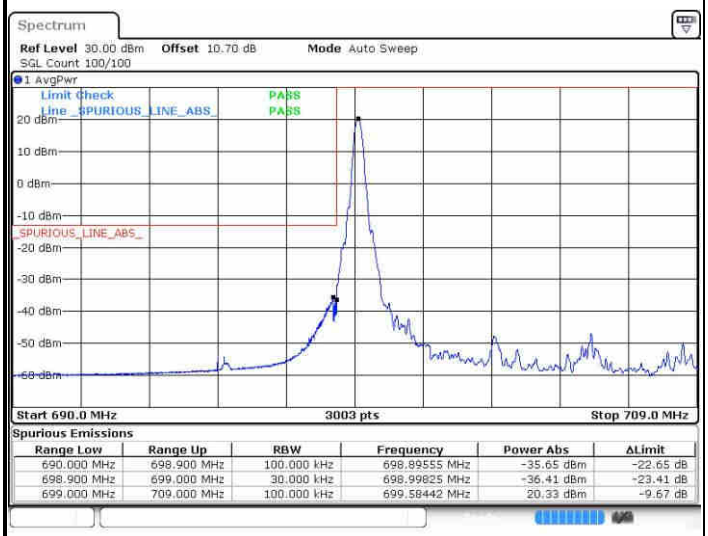
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	714.64635 MHz	4.40 dBm	-25.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00445 MHz	-39.28 dBm	-26.28 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-37.47 dBm	-24.47 dB

Date: 29.APR.2019 18:46:16

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

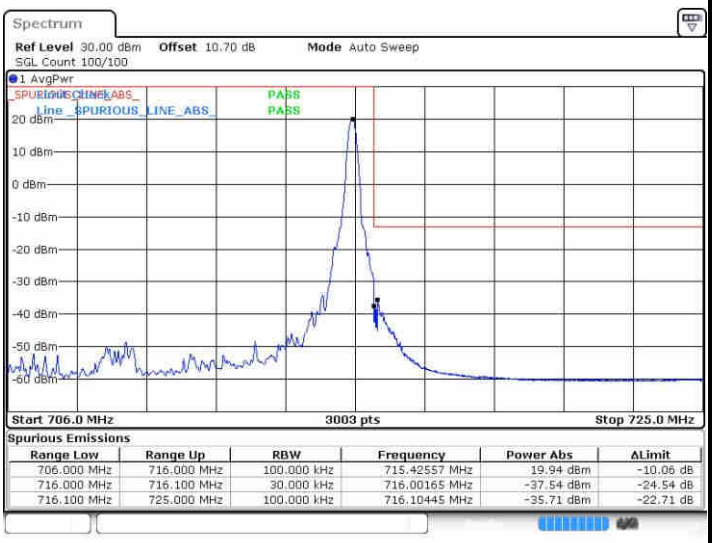


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.65 dBm	-22.65 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-36.41 dBm	-23.41 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.58442 MHz	20.33 dBm	-9.67 dB

Date: 29.APR.2019 18:40:15

Highest Band Edge / 1 RB

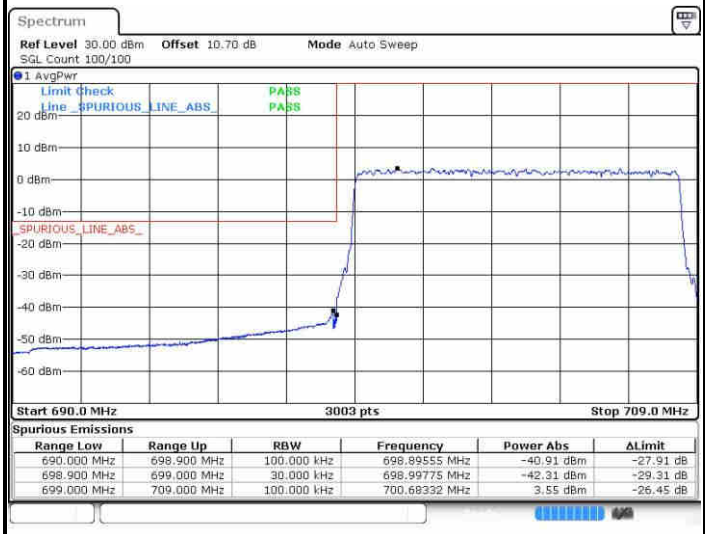


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.42557 MHz	19.94 dBm	-10.06 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00165 MHz	-37.54 dBm	-24.54 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.71 dBm	-22.71 dB

Date: 29.APR.2019 18:48:18

Lowest Band Edge / Full RB

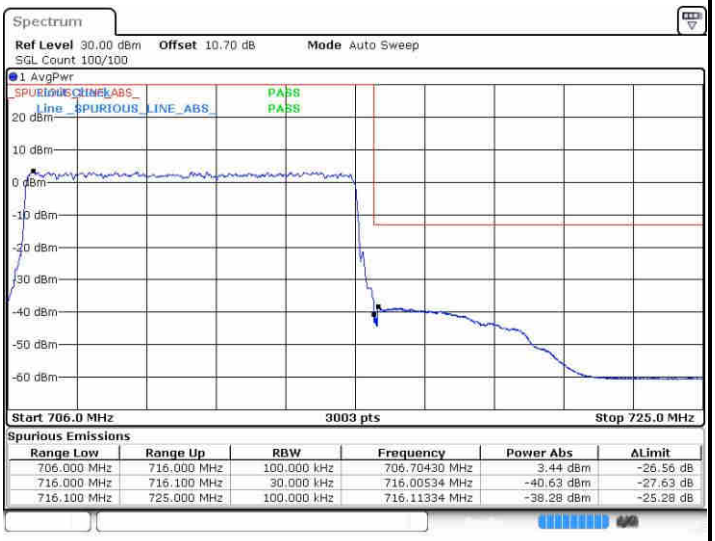


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-40.91 dBm	-27.91 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99775 MHz	-42.31 dBm	-29.31 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.68332 MHz	3.55 dBm	-26.45 dB

Date: 29.APR.2019 18:39:14

Highest Band Edge / Full RB



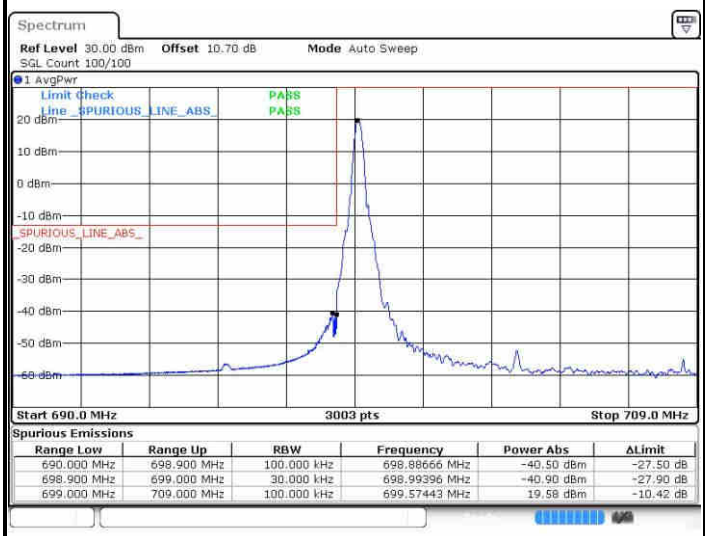
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	706.70430 MHz	3.44 dBm	-26.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00534 MHz	-40.63 dBm	-27.63 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-38.28 dBm	-25.28 dB

Date: 29.APR.2019 18:47:17

LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

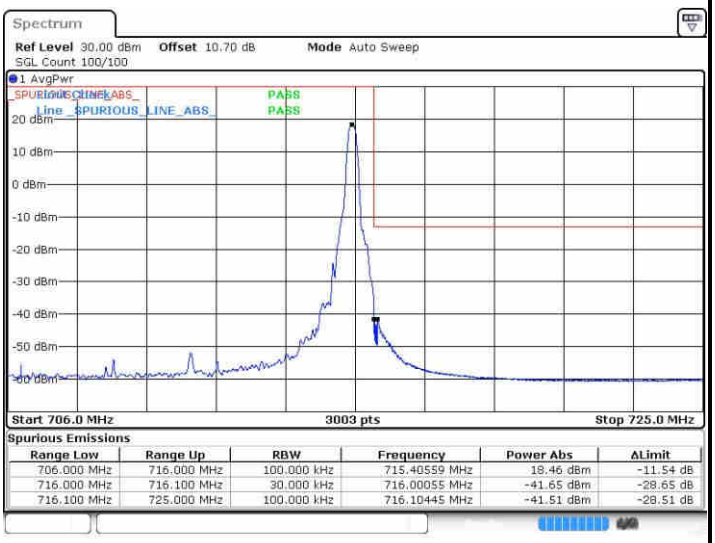


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-40.50 dBm	-27.50 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99396 MHz	-40.90 dBm	-27.90 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	19.58 dBm	-10.42 dB

Date: 29.APR.2019 18:52:59

Highest Band Edge / 1 RB

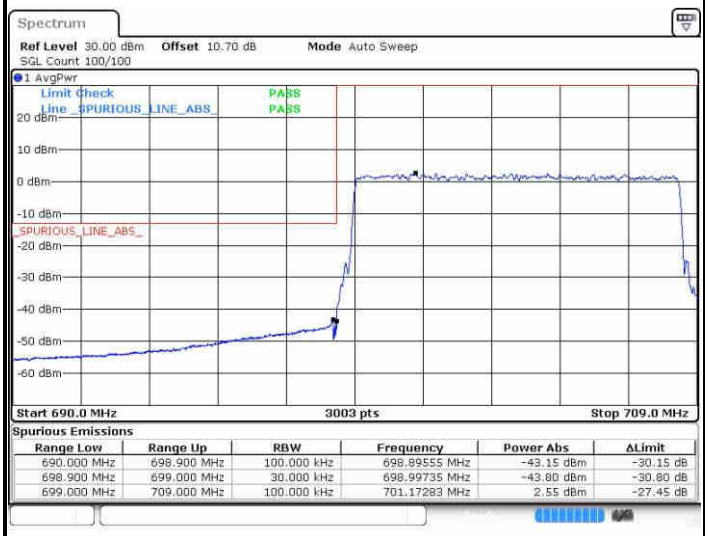


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40559 MHz	18.46 dBm	-11.54 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00055 MHz	-41.65 dBm	-28.65 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-41.51 dBm	-28.51 dB

Date: 29.APR.2019 18:57:00

Lowest Band Edge / Full RB

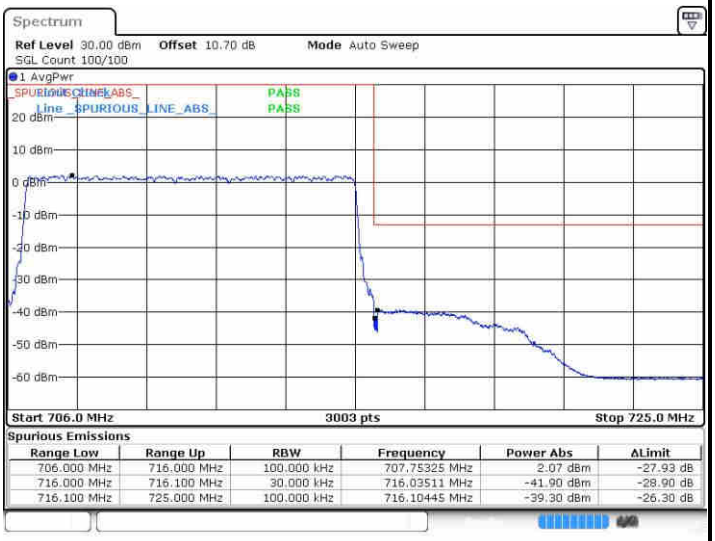


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-43.15 dBm	-30.15 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99735 MHz	-43.80 dBm	-30.80 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.17283 MHz	2.55 dBm	-27.45 dB

Date: 29.APR.2019 18:51:57

Highest Band Edge / Full RB



Spurious Emissions

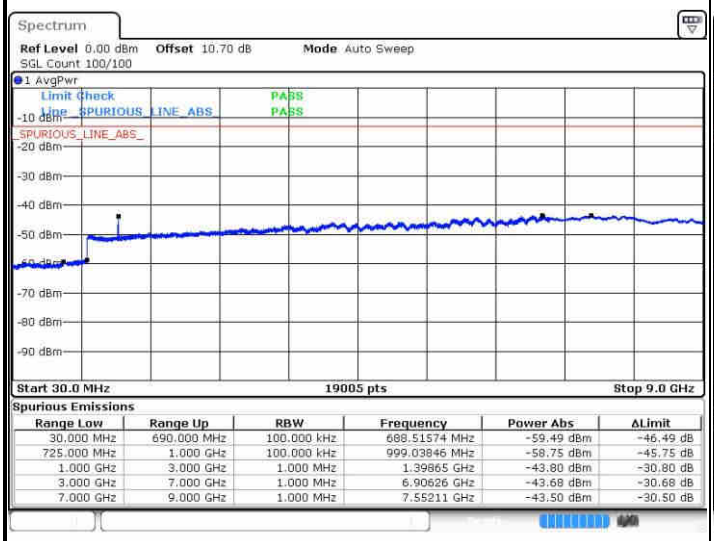
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	707.75325 MHz	2.07 dBm	-27.93 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.03511 MHz	-41.90 dBm	-28.90 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-39.30 dBm	-26.30 dB

Date: 29.APR.2019 18:55:59

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

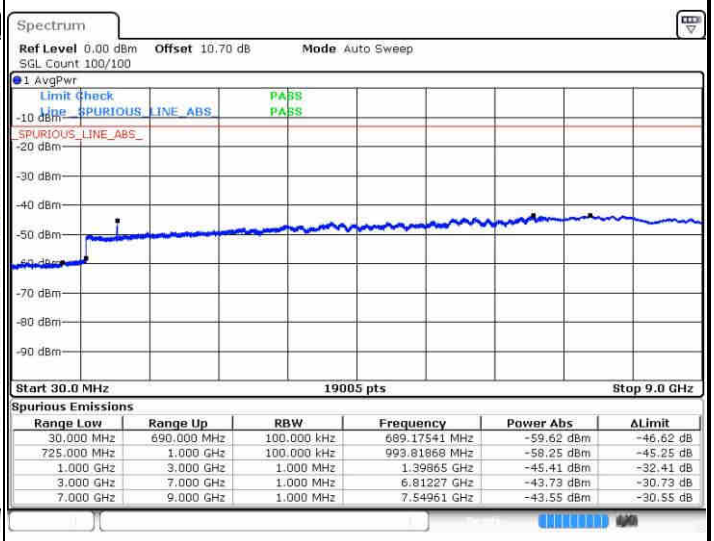


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.75 dBm	-45.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.80 dBm	-30.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90626 GHz	-43.68 dBm	-30.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.50 dBm	-30.50 dB

Date: 29.APR.2019 17:05:47

Lowest Channel / 16QAM

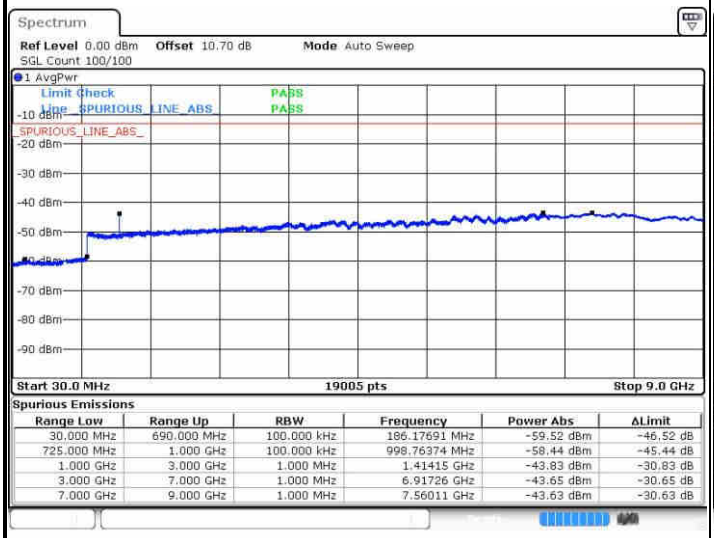


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.62 dBm	-46.62 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.81868 MHz	-58.25 dBm	-45.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.41 dBm	-32.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81227 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.55 dBm	-30.55 dB

Date: 29.APR.2019 17:06:23

Middle Channel / QPSK

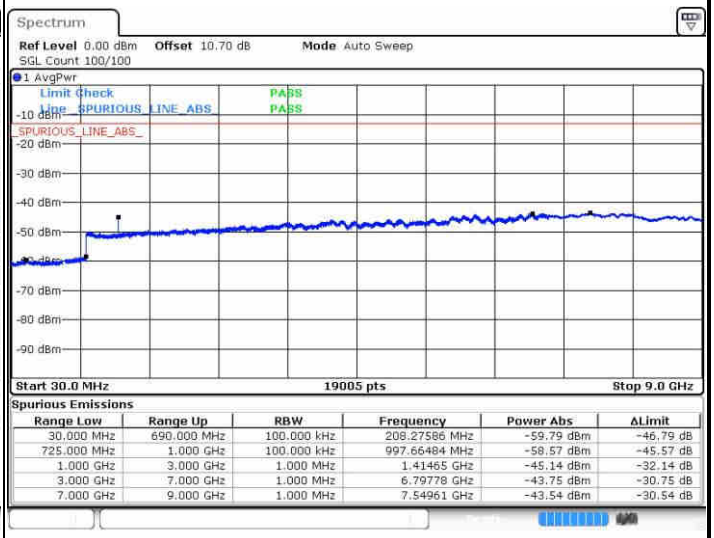


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	186.17691 MHz	-59.52 dBm	-46.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.76374 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-43.83 dBm	-30.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91726 GHz	-43.65 dBm	-30.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.56011 GHz	-43.63 dBm	-30.63 dB

Date: 29.APR.2019 17:08:21

Middle Channel / 16QAM



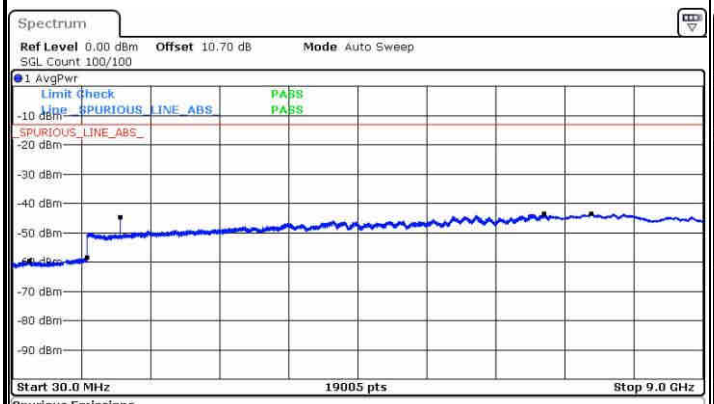
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	208.27586 MHz	-59.79 dBm	-46.79 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.66484 MHz	-58.57 dBm	-45.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.14 dBm	-32.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-43.75 dBm	-30.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.54 dBm	-30.54 dB

Date: 29.APR.2019 17:07:46

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

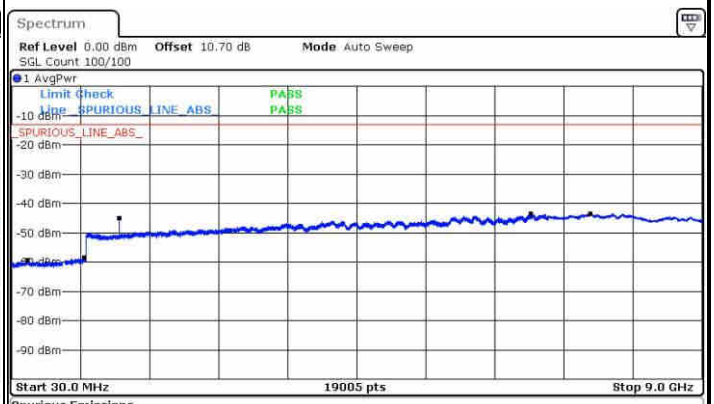


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	243.23838 MHz	-59.70 dBm	-46.70 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.54396 MHz	-58.64 dBm	-45.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.67 dBm	-31.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93426 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-43.61 dBm	-30.61 dB

Date: 29.APR.2019 17:13:50

Highest Channel / 16QAM



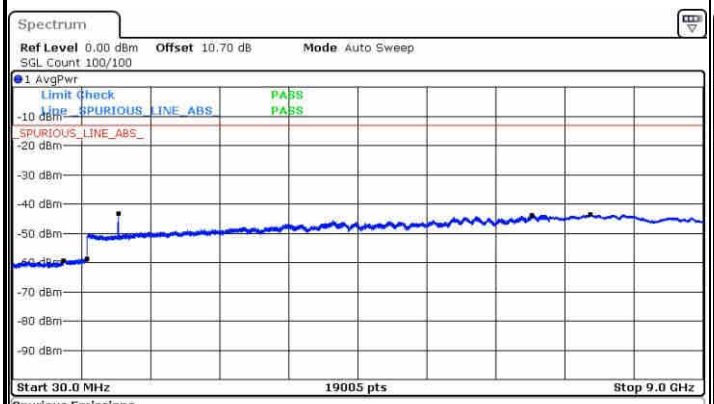
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	970.19231 MHz	-58.52 dBm	-45.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.98 dBm	-31.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77678 GHz	-43.57 dBm	-30.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.57 dBm	-30.57 dB

Date: 29.APR.2019 17:14:26

LTE Band 12 / 3MHz

Lowest Channel / QPSK

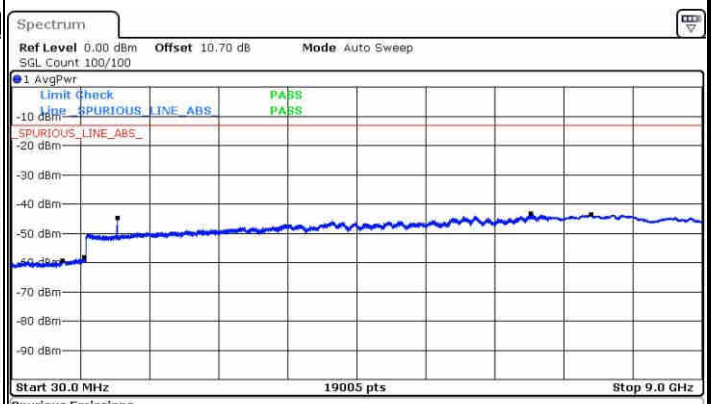


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.39 dBm	-46.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.89560 MHz	-58.69 dBm	-45.69 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.18 dBm	-30.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77328 GHz	-43.75 dBm	-30.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53912 GHz	-43.57 dBm	-30.57 dB

Date: 29.APR.2019 17:27:00

Lowest Channel / 16QAM



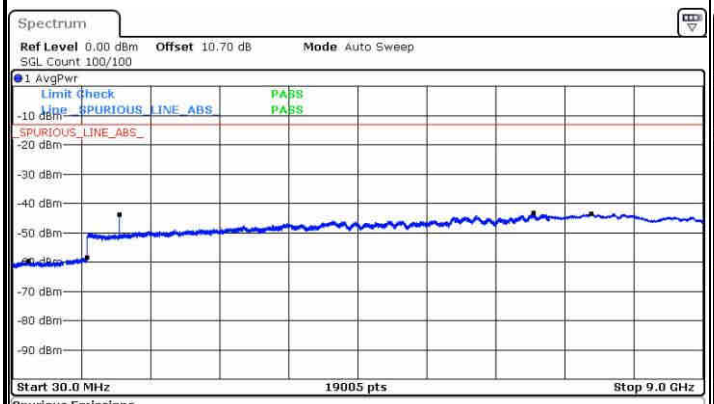
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.13736 MHz	-58.17 dBm	-45.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.87 dBm	-31.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77078 GHz	-43.40 dBm	-30.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55811 GHz	-43.59 dBm	-30.59 dB

Date: 29.APR.2019 17:27:36

LTE Band 12 / 3MHz

Middle Channel / QPSK

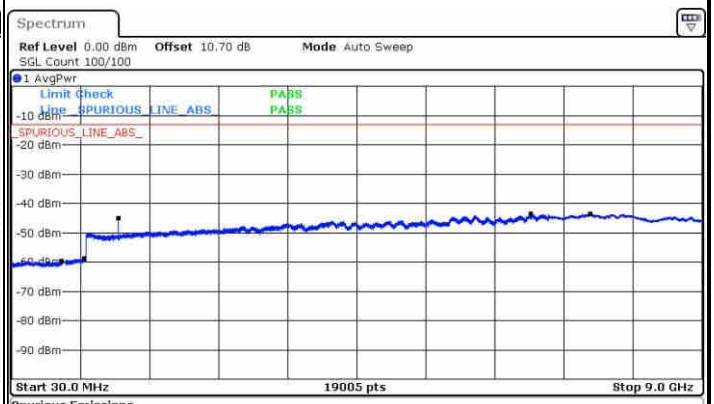


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.64168 MHz	-59.68 dBm	-46.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.17033 MHz	-58.63 dBm	-45.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-43.82 dBm	-30.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79678 GHz	-43.19 dBm	-30.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54511 GHz	-43.53 dBm	-30.53 dB

Date: 29.APR.2019 17:29:35

Middle Channel / 16QAM

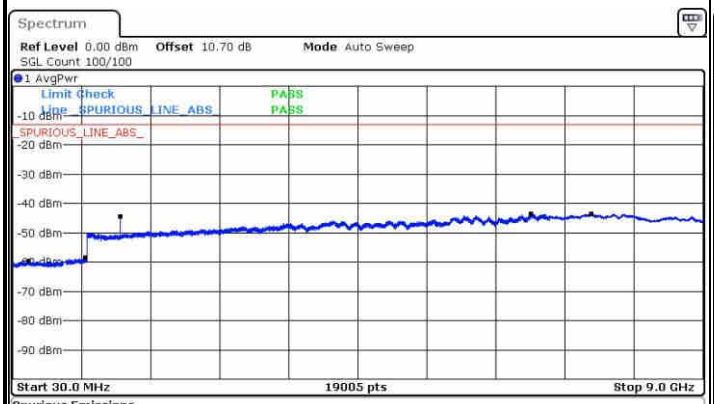


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	677.96102 MHz	-59.80 dBm	-46.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.96154 MHz	-58.69 dBm	-45.69 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.09 dBm	-32.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77678 GHz	-43.56 dBm	-30.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-43.52 dBm	-30.52 dB

Date: 29.APR.2019 17:28:59

Highest Channel / QPSK

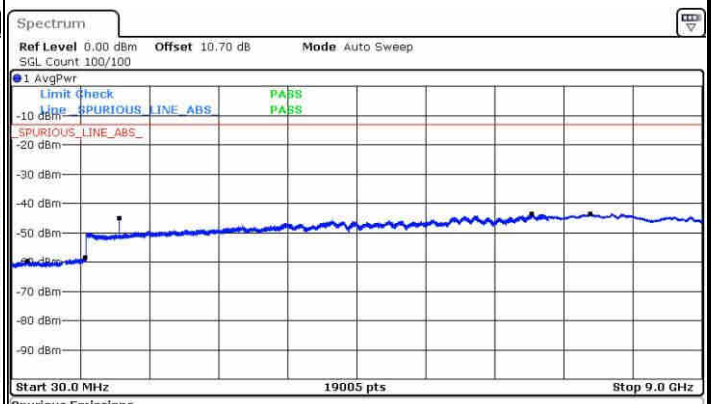


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.62069 MHz	-59.64 dBm	-46.64 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.33516 MHz	-58.65 dBm	-45.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-44.59 dBm	-31.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76528 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-43.59 dBm	-30.59 dB

Date: 29.APR.2019 17:35:03

Highest Channel / 16QAM



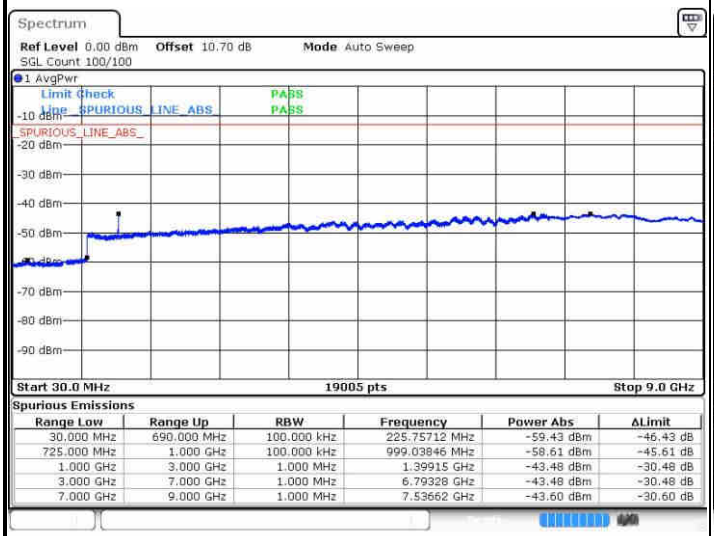
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.94003 MHz	-59.68 dBm	-46.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	980.63187 MHz	-58.46 dBm	-45.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-45.09 dBm	-32.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78978 GHz	-43.64 dBm	-30.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54611 GHz	-43.44 dBm	-30.44 dB

Date: 29.APR.2019 17:35:40

LTE Band 12 / 5MHz

Lowest Channel / QPSK

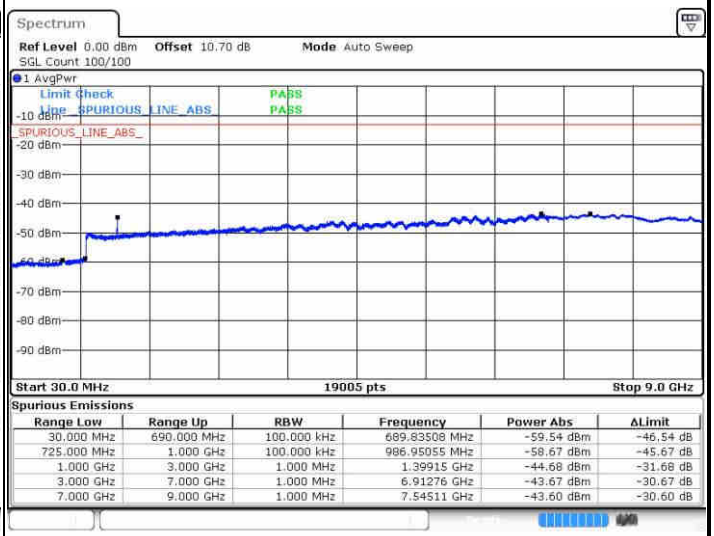


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	225.75712 MHz	-59.43 dBm	-46.43 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.61 dBm	-45.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.48 dBm	-30.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79328 GHz	-43.48 dBm	-30.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53662 GHz	-43.60 dBm	-30.60 dB

Date: 29.APR.2019 17:55:18

Lowest Channel / 16QAM

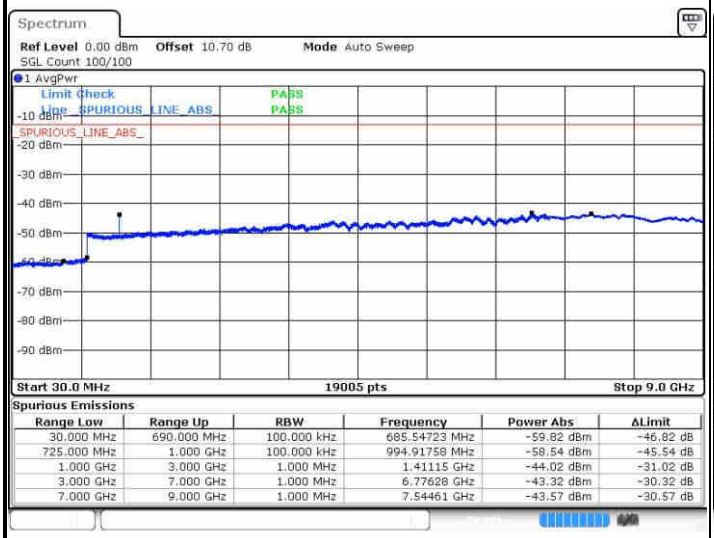


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.54 dBm	-46.54 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.95055 MHz	-58.67 dBm	-45.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.68 dBm	-31.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91276 GHz	-43.67 dBm	-30.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54511 GHz	-43.60 dBm	-30.60 dB

Date: 29.APR.2019 17:55:54

Middle Channel / QPSK

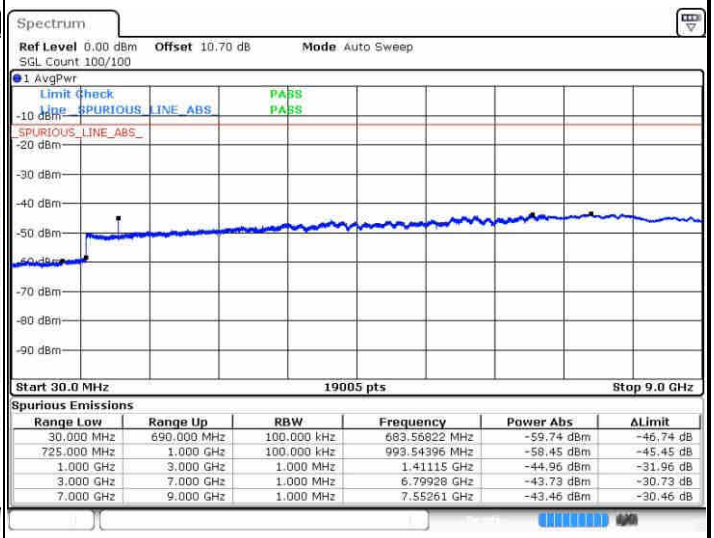


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	685.54723 MHz	-59.82 dBm	-46.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.91758 MHz	-58.54 dBm	-45.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-44.02 dBm	-31.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77628 GHz	-43.32 dBm	-30.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.57 dBm	-30.57 dB

Date: 29.APR.2019 17:57:52

Middle Channel / 16QAM



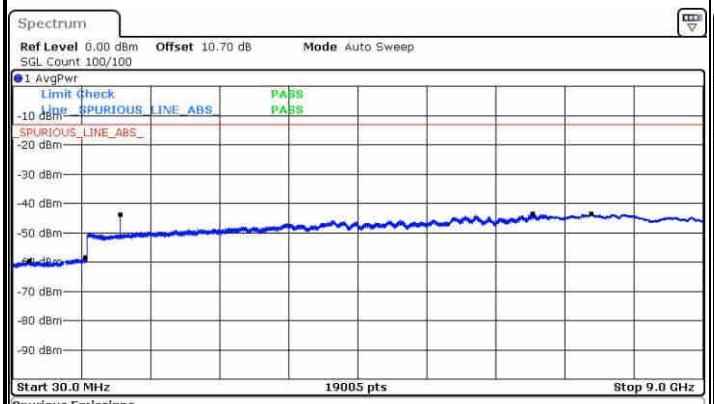
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.56822 MHz	-59.74 dBm	-46.74 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.54396 MHz	-58.45 dBm	-45.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-44.96 dBm	-31.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79928 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.46 dBm	-30.46 dB

Date: 29.APR.2019 17:57:17

LTE Band 12 / 5MHz

Highest Channel / QPSK

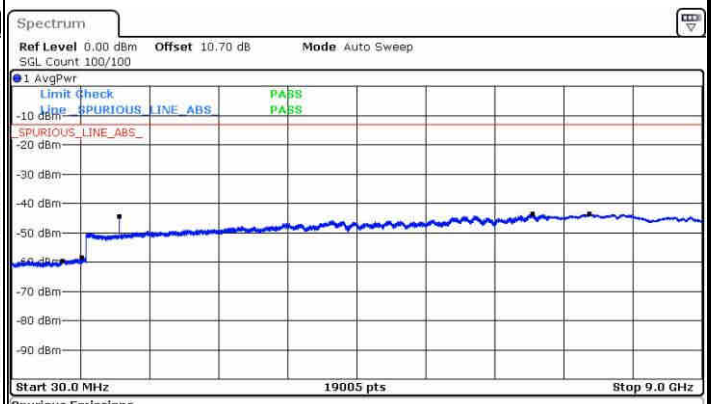


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.91904 MHz	-59.57 dBm	-46.57 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.41209 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.87 dBm	-30.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79078 GHz	-43.63 dBm	-30.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.59 dBm	-30.59 dB

Date: 29.APR.2019 18:03:57

Highest Channel / 16QAM



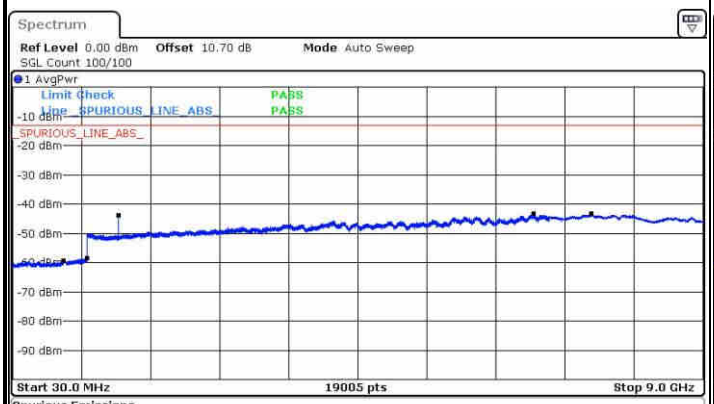
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-59.71 dBm	-46.71 dB
725.000 MHz	1.000 GHz	100.000 kHz	938.59890 MHz	-58.62 dBm	-45.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.54 dBm	-31.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79878 GHz	-43.70 dBm	-30.70 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54061 GHz	-43.58 dBm	-30.58 dB

Date: 29.APR.2019 18:03:21

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	689.50525 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.86264 MHz	-58.61 dBm	-45.61 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.76 dBm	-30.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80177 GHz	-43.29 dBm	-30.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-43.40 dBm	-30.40 dB

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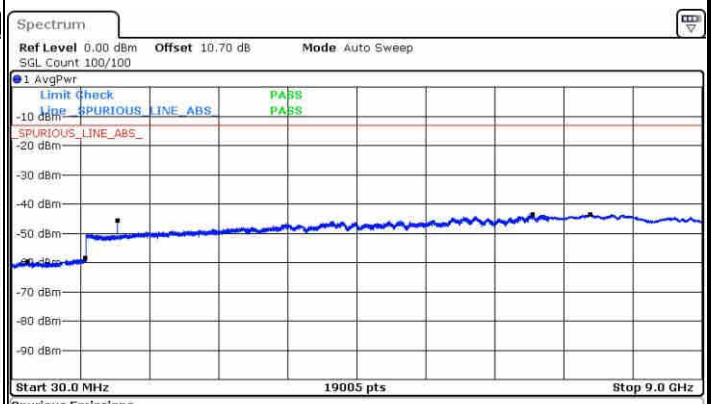
Lowest Channel / 16QAM



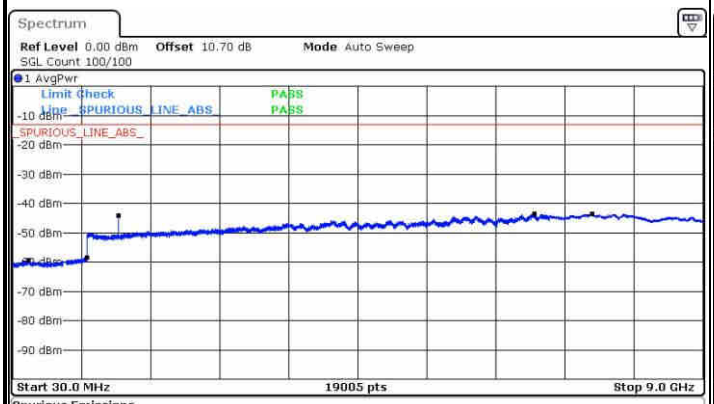
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.71 dBm	-46.71 dB
725.000 MHz	1.000 GHz	100.000 kHz	979.53297 MHz	-58.63 dBm	-45.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.52 dBm	-32.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-43.52 dBm	-30.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54911 GHz	-43.58 dBm	-30.58 dB

Date: 29.APR.2019 18:42:29

LTE Band 12 / 10MHz

Middle Channel / QPSK

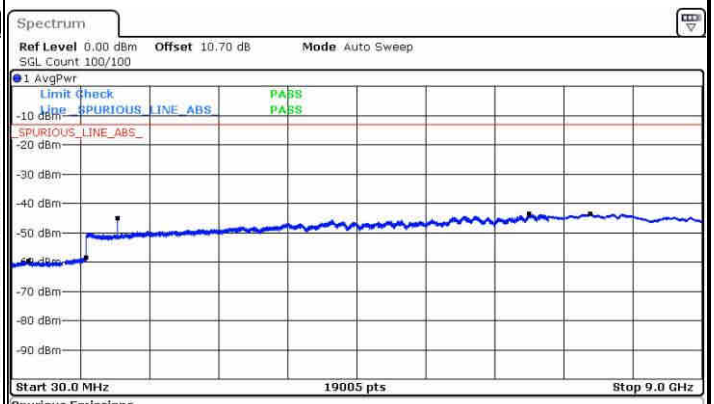


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-59.51 dBm	-46.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.29121 MHz	-58.51 dBm	-45.51 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80727 GHz	-43.49 dBm	-30.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55461 GHz	-43.55 dBm	-30.55 dB

Date: 29.APR.2019 18:44:27

Middle Channel / 16QAM

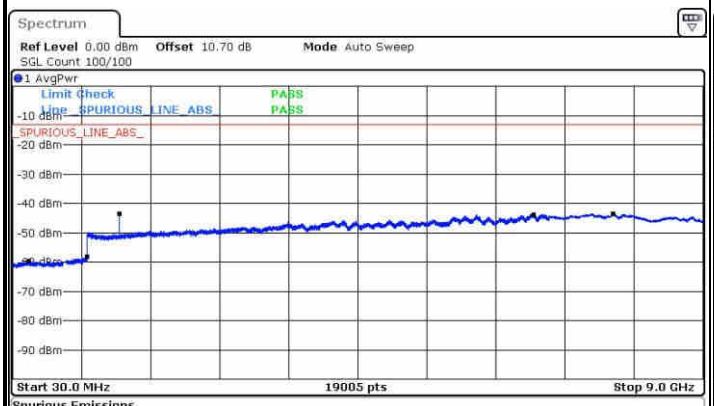


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	241.91904 MHz	-59.73 dBm	-46.73 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-58.37 dBm	-45.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-45.01 dBm	-32.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75228 GHz	-43.48 dBm	-30.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.49 dBm	-30.49 dB

Date: 29.APR.2019 18:43:51

Highest Channel / QPSK

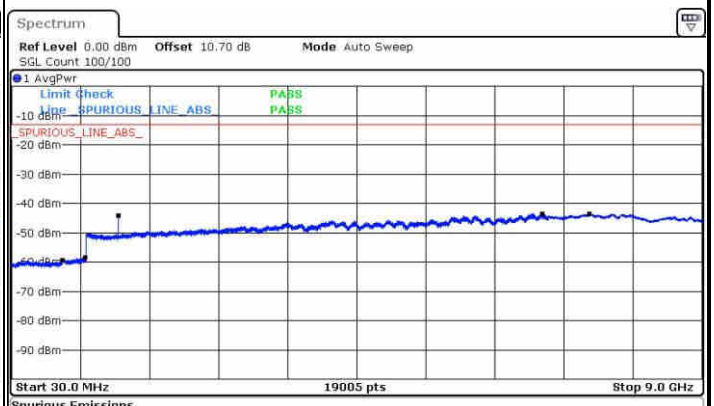


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.68 dBm	-46.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	991.07143 MHz	-58.28 dBm	-45.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-43.47 dBm	-30.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-43.80 dBm	-30.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83304 GHz	-43.59 dBm	-30.59 dB

Date: 29.APR.2019 18:49:56

Highest Channel / 16QAM



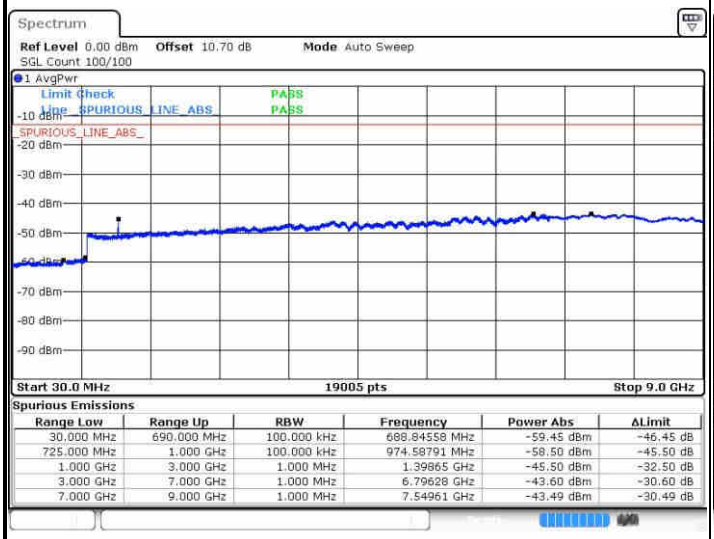
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.18591 MHz	-59.48 dBm	-46.48 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.04945 MHz	-58.54 dBm	-45.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-44.12 dBm	-31.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91876 GHz	-43.61 dBm	-30.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53962 GHz	-43.58 dBm	-30.58 dB

Date: 29.APR.2019 18:50:32

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

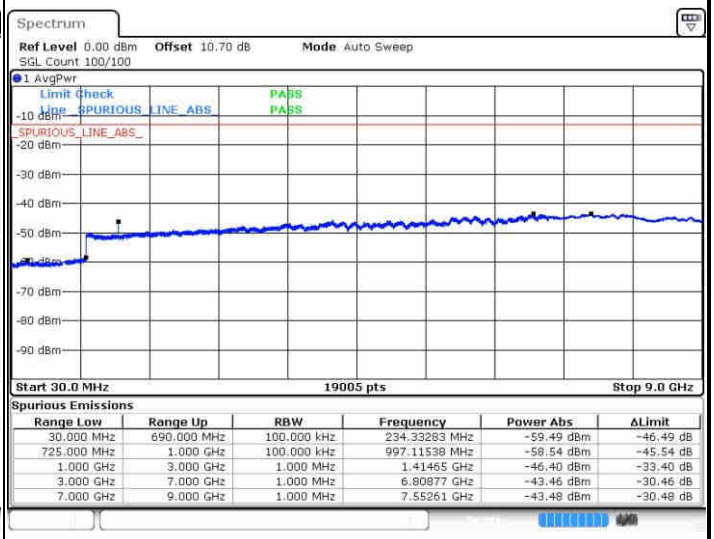


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.45 dBm	-46.45 dB
725.000 MHz	1.000 GHz	100.000 kHz	974.58791 MHz	-58.50 dBm	-45.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-45.50 dBm	-32.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79628 GHz	-43.60 dBm	-30.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.49 dBm	-30.49 dB

Date: 29.APR.2019 17:17:29

Middle Channel / 64QAM

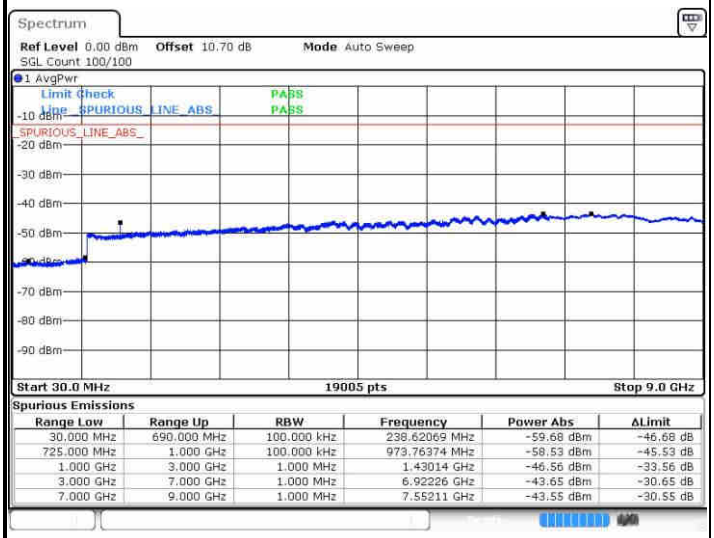


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.33283 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.11538 MHz	-58.54 dBm	-45.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80877 GHz	-43.46 dBm	-30.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.48 dBm	-30.48 dB

Date: 29.APR.2019 17:18:28

Highest Channel / 64QAM



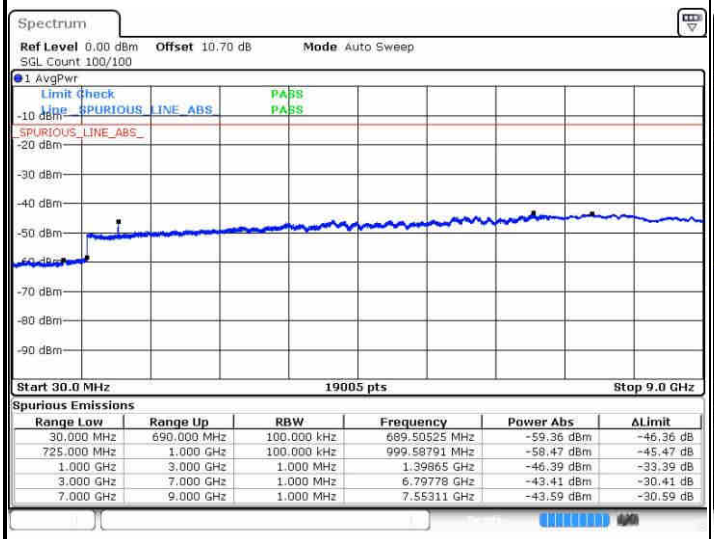
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.62069 MHz	-59.68 dBm	-46.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	973.76374 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92226 GHz	-43.65 dBm	-30.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.55 dBm	-30.55 dB

Date: 29.APR.2019 17:21:30

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

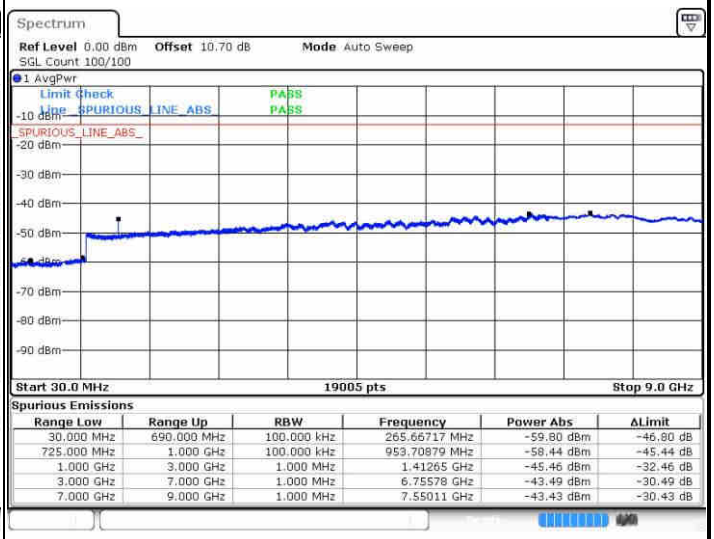


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-59.36 dBm	-46.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-58.47 dBm	-45.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79778 GHz	-43.41 dBm	-30.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.59 dBm	-30.59 dB

Date: 29.APR.2019 17:38:42

Middle Channel / 64QAM

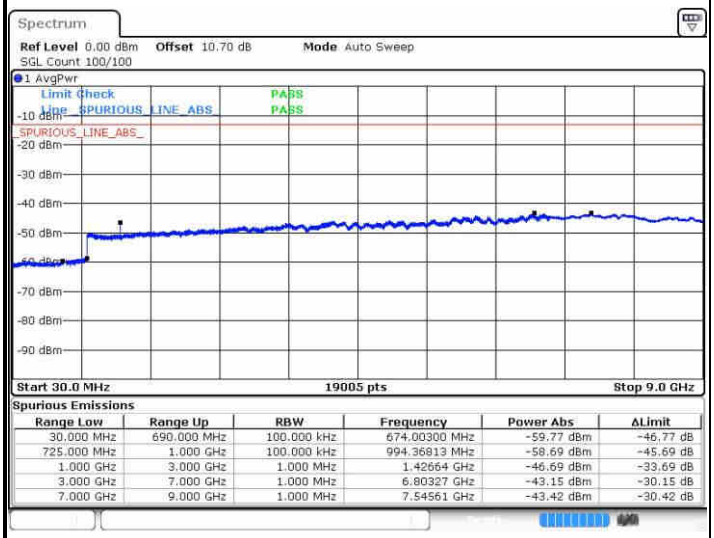


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	265.66717 MHz	-59.80 dBm	-46.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.70879 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.46 dBm	-32.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75578 GHz	-43.49 dBm	-30.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.43 dBm	-30.43 dB

Date: 29.APR.2019 17:39:42

Highest Channel / 64QAM



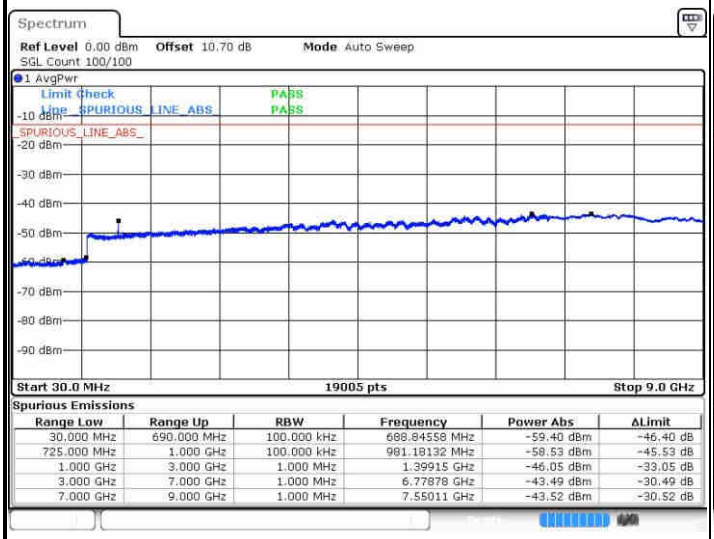
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	674.00300 MHz	-59.77 dBm	-46.77 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-58.69 dBm	-45.69 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80327 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-43.42 dBm	-30.42 dB

Date: 29.APR.2019 17:42:44

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

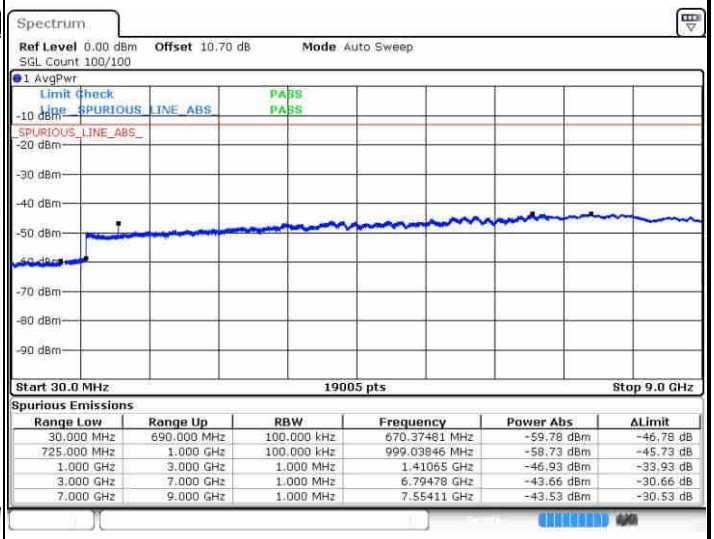


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.40 dBm	-46.40 dB
725.000 MHz	1.000 GHz	100.000 kHz	981.18132 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.05 dBm	-33.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77878 GHz	-43.49 dBm	-30.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.52 dBm	-30.52 dB

Date: 29.APR.2019 17:45:47

Middle Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.37481 MHz	-59.78 dBm	-46.78 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-58.73 dBm	-45.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41065 GHz	-46.93 dBm	-33.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79478 GHz	-43.66 dBm	-30.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55411 GHz	-43.53 dBm	-30.53 dB

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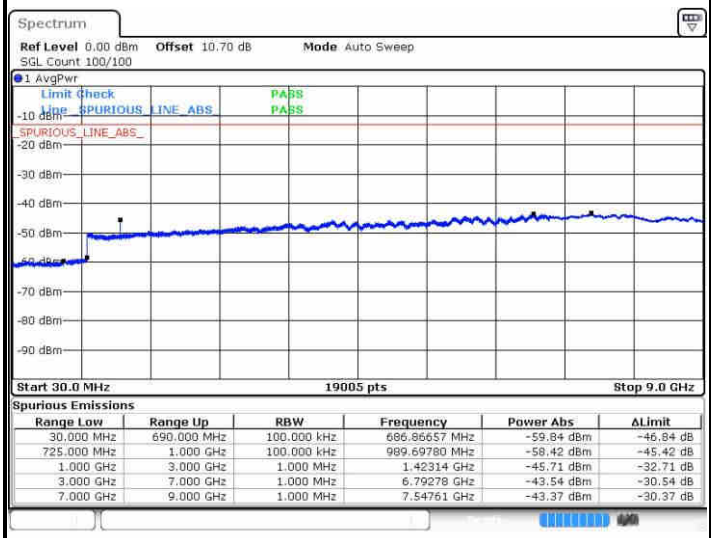
Highest Channel / 64QAM



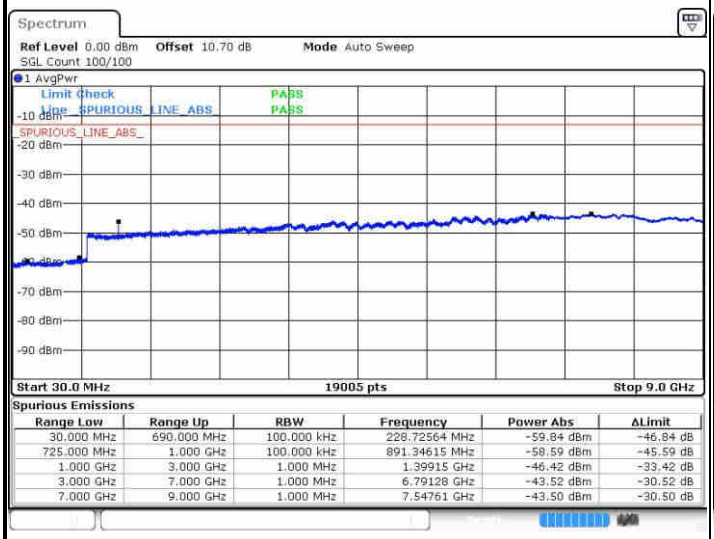
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-59.84 dBm	-46.84 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.69780 MHz	-58.42 dBm	-45.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-45.71 dBm	-32.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79278 GHz	-43.54 dBm	-30.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.37 dBm	-30.37 dB

Date: 29.APR.2019 17:49:48

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

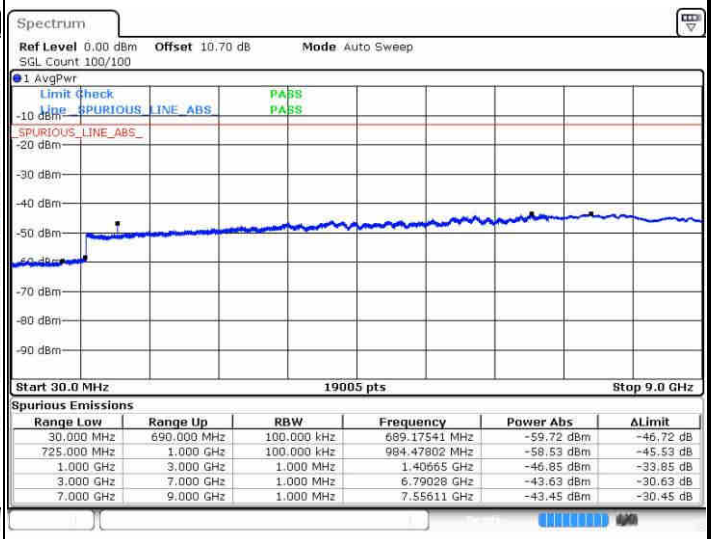


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	228.72564 MHz	-59.84 dBm	-46.84 dB
725.000 MHz	1.000 GHz	100.000 kHz	891.34615 MHz	-58.59 dBm	-45.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.42 dBm	-33.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79128 GHz	-43.52 dBm	-30.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.50 dBm	-30.50 dB

Date: 29.APR.2019 18:53:35

Middle Channel / 64QAM

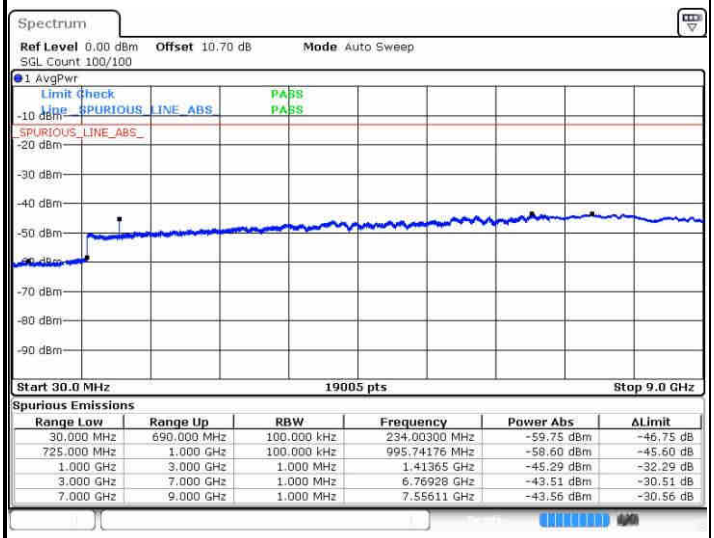


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.72 dBm	-46.72 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.47802 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.85 dBm	-33.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79028 GHz	-43.63 dBm	-30.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55611 GHz	-43.45 dBm	-30.45 dB

Date: 29.APR.2019 18:54:35

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	234.00300 MHz	-59.75 dBm	-46.75 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.74176 MHz	-58.60 dBm	-45.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.29 dBm	-32.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76928 GHz	-43.51 dBm	-30.51 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55611 GHz	-43.56 dBm	-30.56 dB

Date: 29.APR.2019 18:57:37

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	0.0035	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0068	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0040	

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.

LTE Band 13

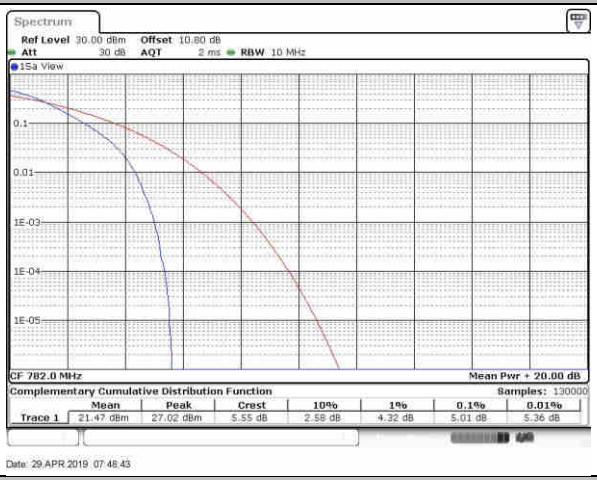
Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.39	5.01	3.86	5.83	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.19	6.49	-	-	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK

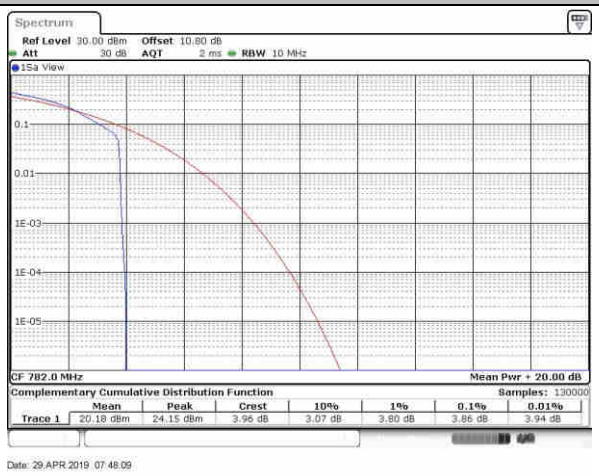
Middle Channel / 1RB

Middle Channel / Full RB

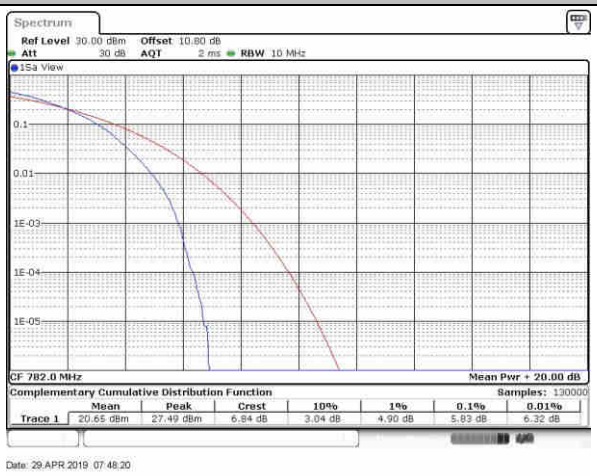


LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



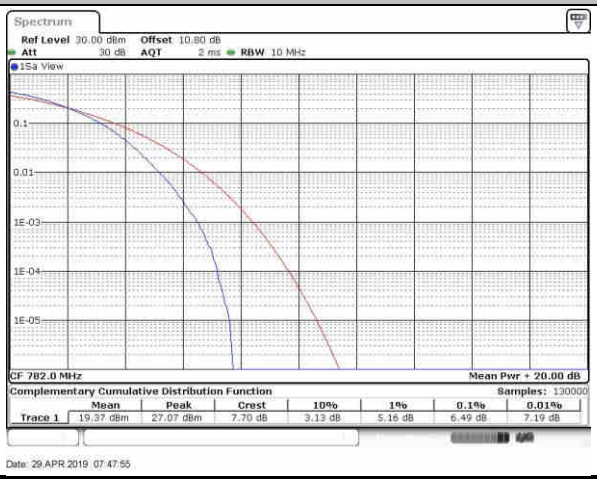
Middle Channel / Full RB



LTE Band 13 / 10MHz / 64QAM

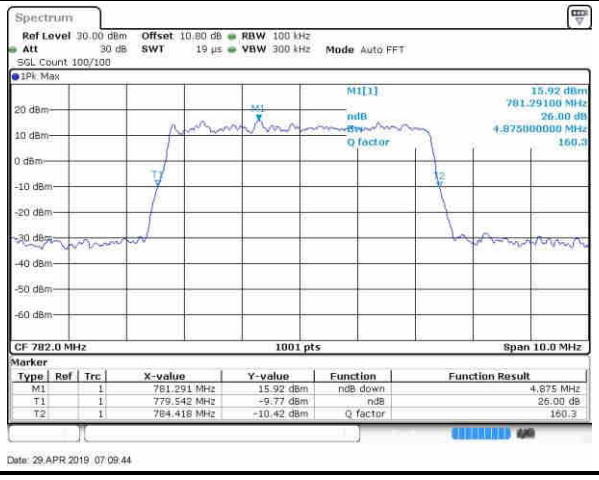
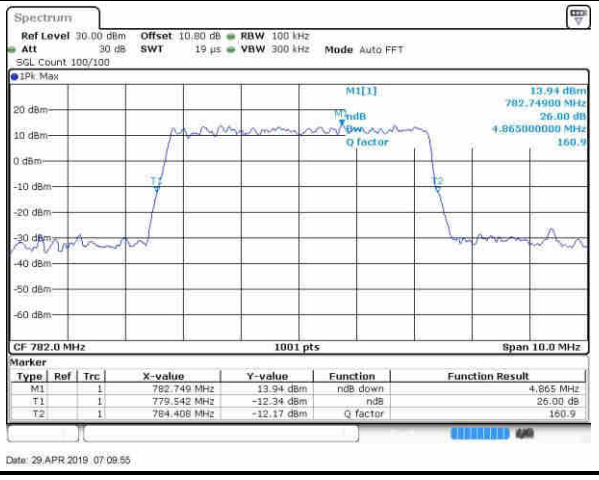
Middle Channel / 1RB

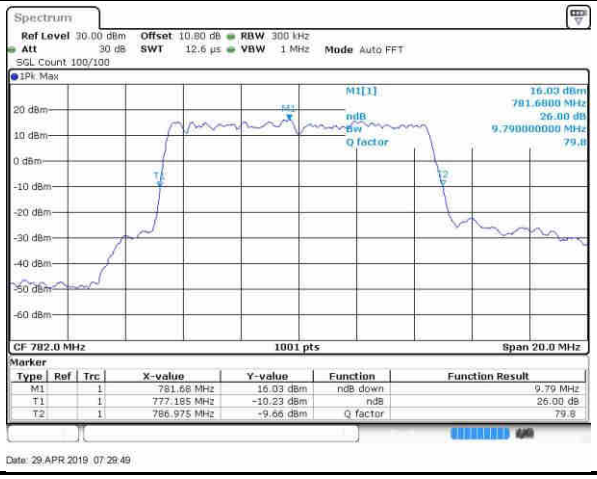
Middle Channel / Full RB

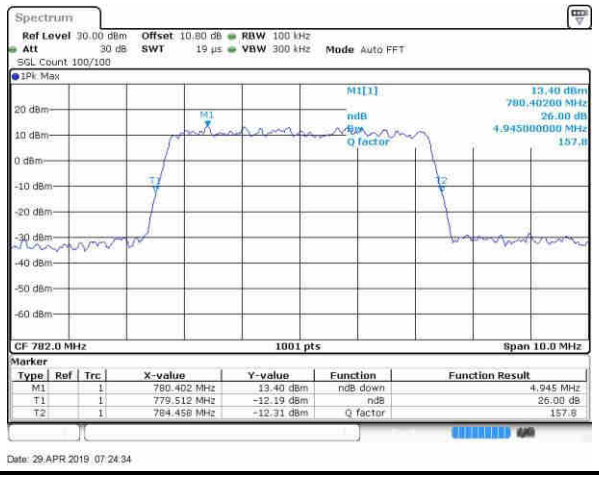
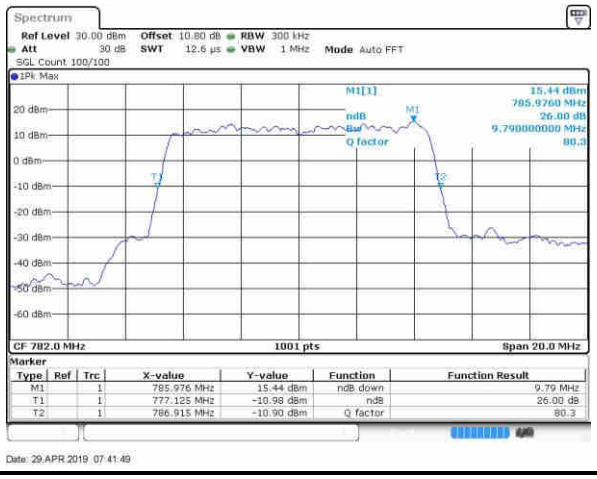


26dB Bandwidth

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.92	4.84	-	-	-	-	-	-
Middle CH	-	-	-	-	4.88	4.87	9.73	9.79	-	-	-	-
Highest CH	-	-	-	-	4.96	4.91	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.96	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.95	-	9.79	-	-	-	-	-
Highest CH	-	-	-	-	4.88	-	-	-	-	-	-	-

LTE Band 13	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
	

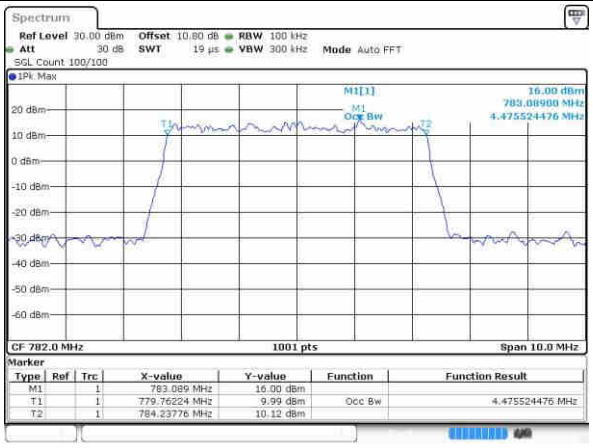
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

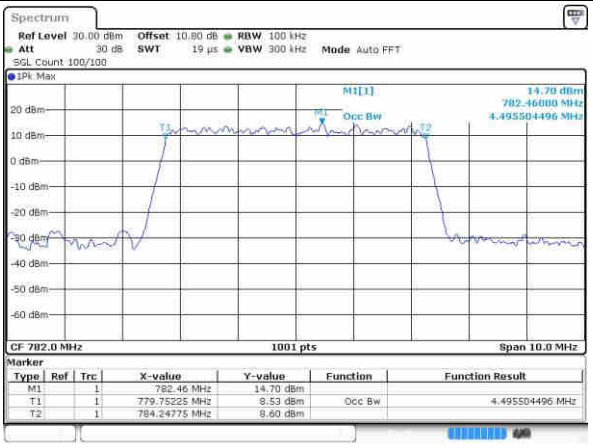
LTE Band 13	
Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
	

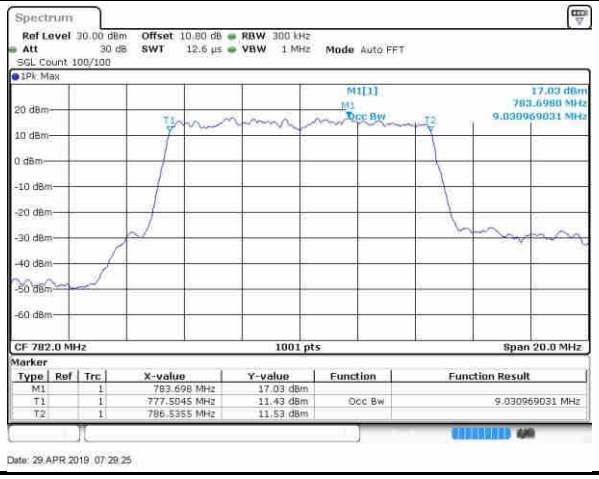
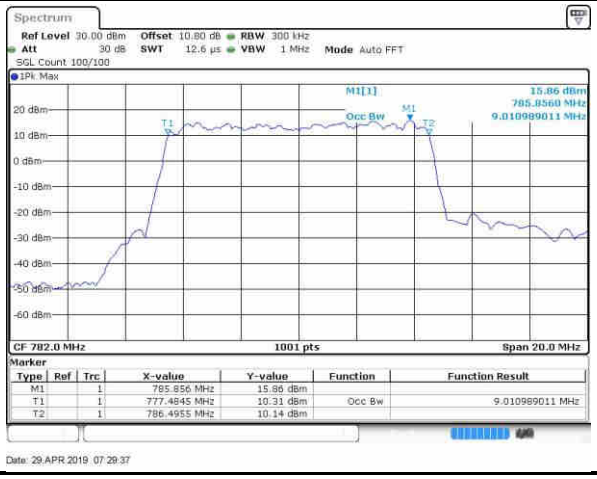
Occupied Bandwidth

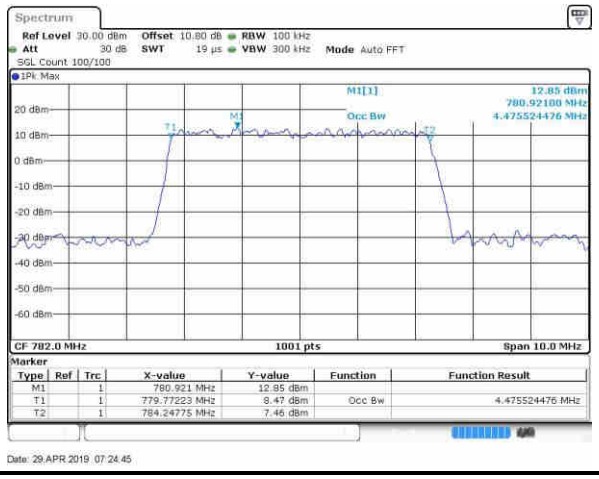
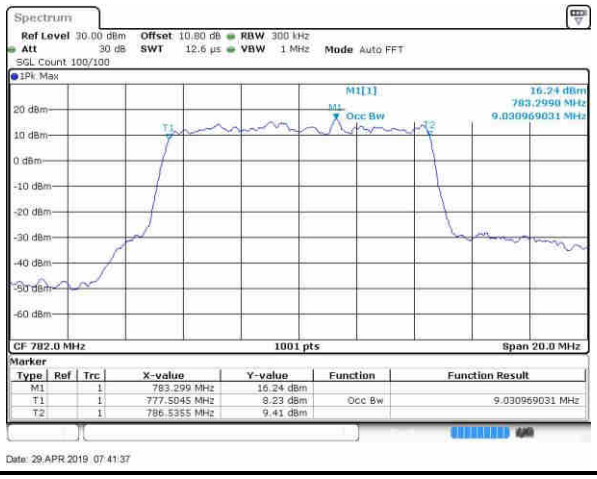
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.50	9.03	9.01	-	-	-	-
Highest CH	-	-	-	-	4.50	4.48	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.47	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	-	9.03	-	-	-	-	-
Highest CH	-	-	-	-	4.48	-	-	-	-	-	-	-

LTE Band 13	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM





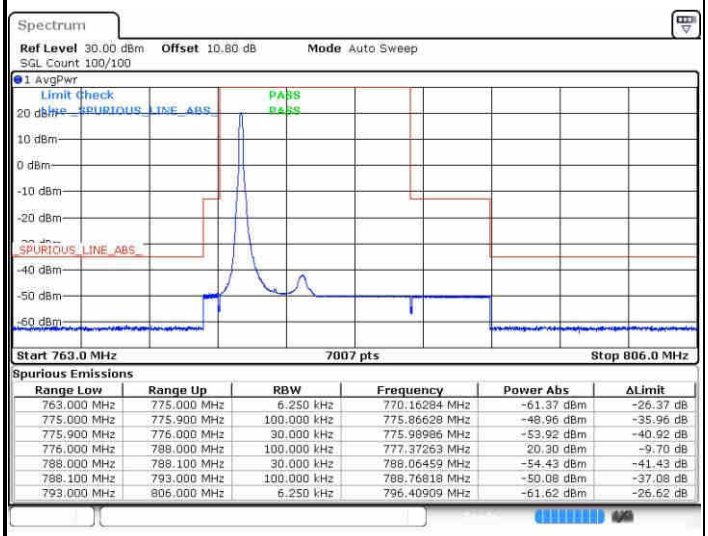
LTE Band 13	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

LTE Band 13	
Middle Channel / 5MHz / 64QAM	**Middle Channel / 10MHz / 64QAM**
	

Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

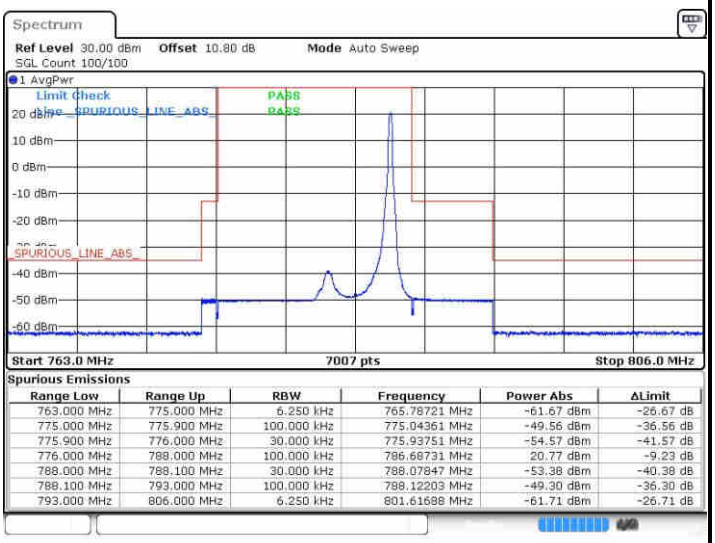


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.16284 MHz	-61.37 dBm	-26.37 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86628 MHz	-48.96 dBm	-35.96 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98986 MHz	-53.92 dBm	-40.92 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	20.30 dBm	-9.70 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06459 MHz	-54.43 dBm	-41.43 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.76818 MHz	-50.08 dBm	-37.08 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.40909 MHz	-61.62 dBm	-26.62 dB

Date: 29.APR.2019 07:06:49

Highest Band Edge / 1 RB

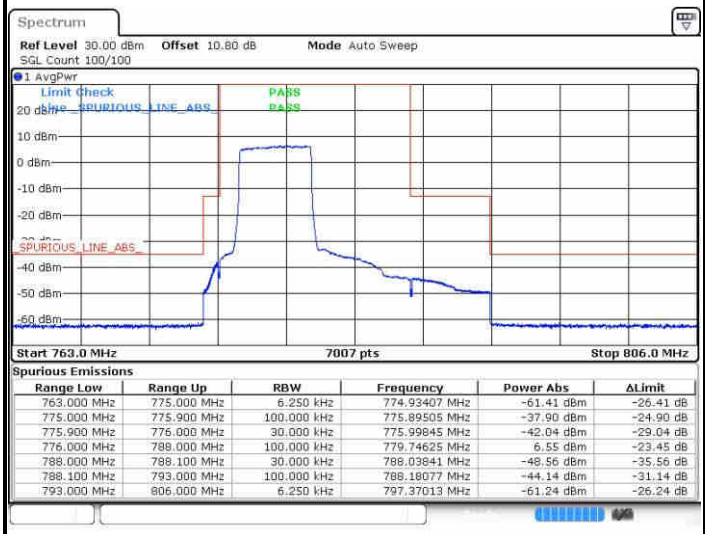


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.78721 MHz	-61.67 dBm	-26.67 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.04361 MHz	-49.56 dBm	-36.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93751 MHz	-54.57 dBm	-41.57 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	20.77 dBm	-9.23 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07847 MHz	-53.38 dBm	-40.38 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-49.30 dBm	-36.30 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.61688 MHz	-61.71 dBm	-26.71 dB

Date: 29.APR.2019 07:17:51

Lowest Band Edge / Full RB

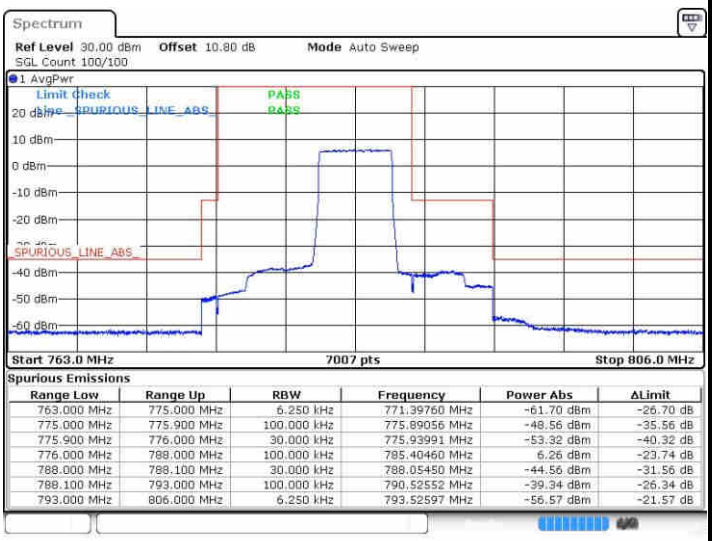


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.93407 MHz	-61.41 dBm	-26.41 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89505 MHz	-37.90 dBm	-24.90 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99845 MHz	-42.04 dBm	-29.04 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.74625 MHz	6.55 dBm	-23.45 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03841 MHz	-48.56 dBm	-35.56 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-44.14 dBm	-31.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.37013 MHz	-61.24 dBm	-26.24 dB

Date: 29.APR.2019 07:01:45

Highest Band Edge / Full RB



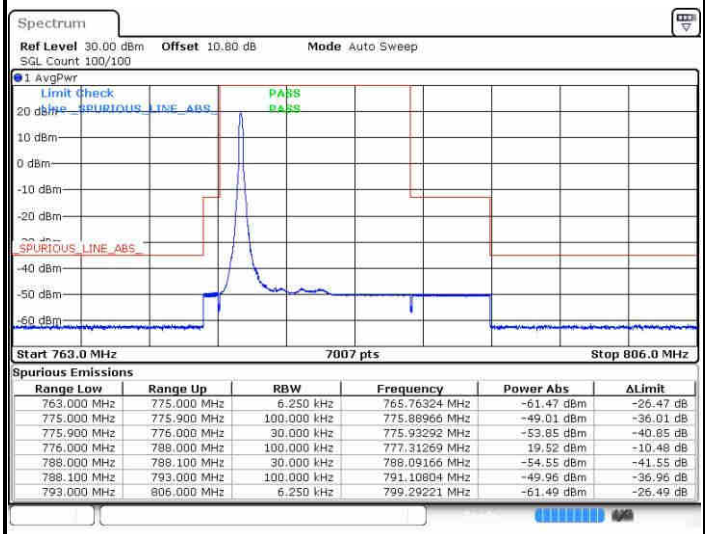
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.39760 MHz	-61.70 dBm	-26.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89056 MHz	-48.56 dBm	-35.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93991 MHz	-53.32 dBm	-40.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.40460 MHz	6.26 dBm	-23.74 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05450 MHz	-44.56 dBm	-31.56 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.52552 MHz	-39.34 dBm	-26.34 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.52597 MHz	-56.57 dBm	-21.57 dB

Date: 29.APR.2019 07:12:48

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

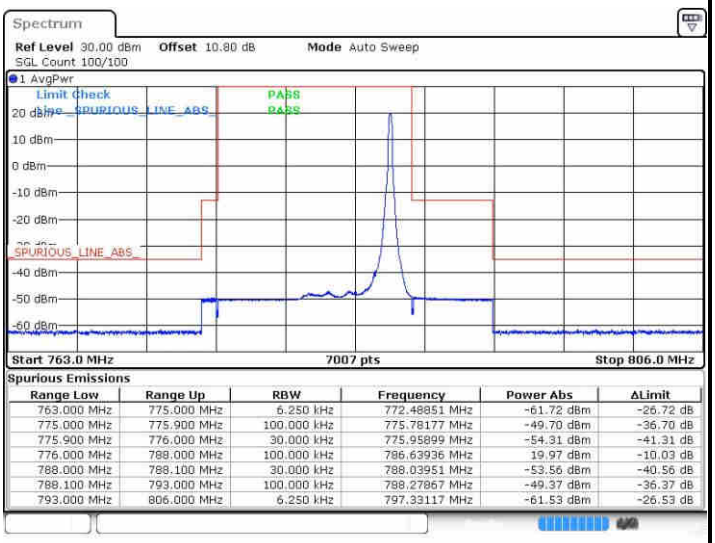


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.76324 MHz	-61.47 dBm	-26.47 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88966 MHz	-49.01 dBm	-36.01 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93292 MHz	-53.85 dBm	-40.85 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.31269 MHz	19.52 dBm	-10.48 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09166 MHz	-54.55 dBm	-41.55 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.10804 MHz	-49.96 dBm	-36.96 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.29221 MHz	-61.49 dBm	-26.49 dB

Date: 29.APR.2019 07:05:08

Highest Band Edge / 1 RB

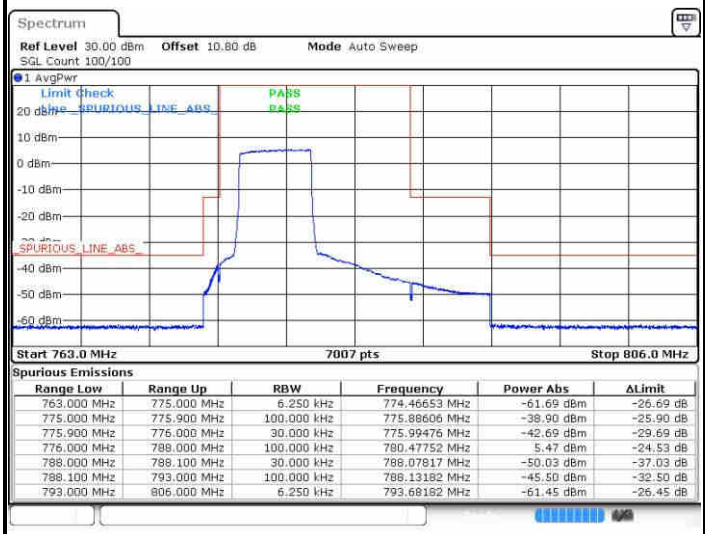


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.48851 MHz	-61.72 dBm	-26.72 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.78177 MHz	-49.70 dBm	-36.70 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95899 MHz	-54.31 dBm	-41.31 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	19.97 dBm	-10.03 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03951 MHz	-53.56 dBm	-40.56 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27867 MHz	-49.37 dBm	-36.37 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.33117 MHz	-61.53 dBm	-26.53 dB

Date: 29.APR.2019 07:16:10

Lowest Band Edge / Full RB

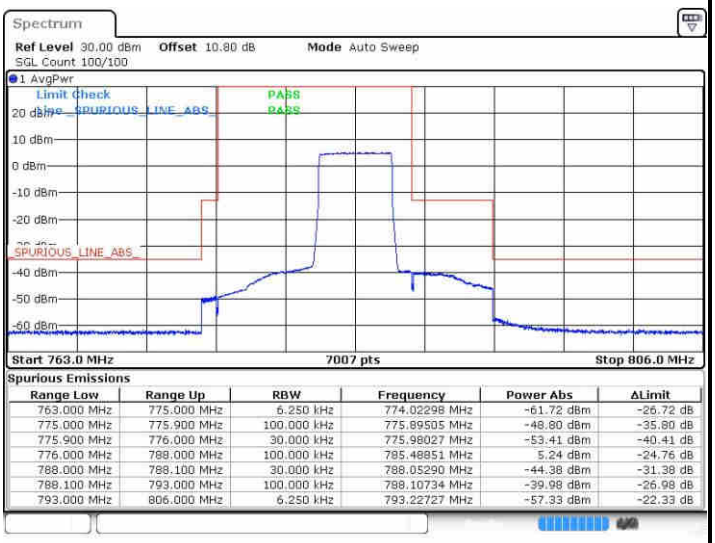


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.46653 MHz	-61.69 dBm	-26.69 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88606 MHz	-38.90 dBm	-25.90 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99476 MHz	-42.69 dBm	-29.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.47752 MHz	5.47 dBm	-24.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07817 MHz	-50.03 dBm	-37.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13182 MHz	-45.50 dBm	-32.50 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.68182 MHz	-61.45 dBm	-26.45 dB

Date: 29.APR.2019 07:03:26

Highest Band Edge / Full RB



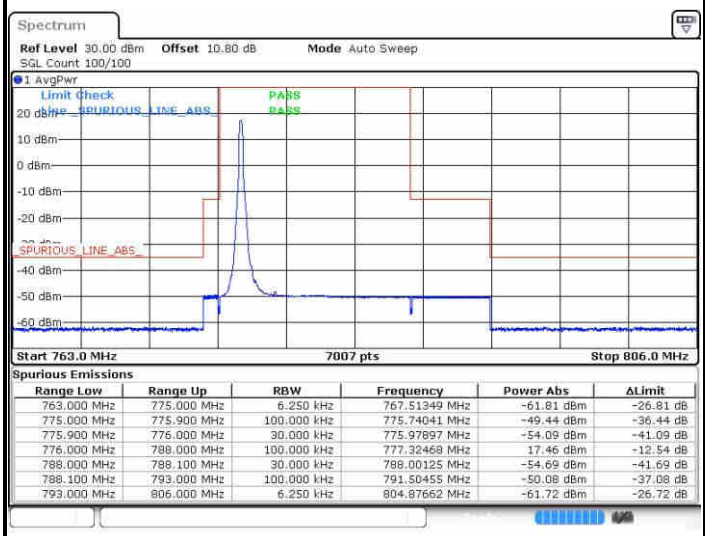
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.02298 MHz	-61.72 dBm	-26.72 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89505 MHz	-48.80 dBm	-35.80 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98027 MHz	-53.41 dBm	-40.41 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.48851 MHz	5.24 dBm	-24.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05290 MHz	-44.38 dBm	-31.38 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-39.98 dBm	-26.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.22727 MHz	-57.33 dBm	-22.33 dB

Date: 29.APR.2019 07:14:29

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

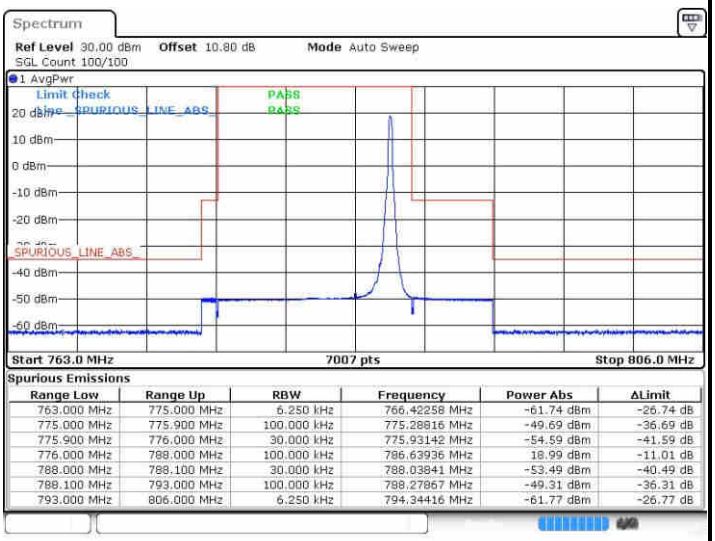


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.51349 MHz	-61.81 dBm	-26.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74041 MHz	-49.44 dBm	-36.44 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97897 MHz	-54.09 dBm	-41.09 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	17.46 dBm	-12.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00125 MHz	-54.69 dBm	-41.69 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.50455 MHz	-50.08 dBm	-37.08 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.87662 MHz	-61.72 dBm	-26.72 dB

Date: 29.APR.2019 07:23:00

Highest Band Edge / 1 RB

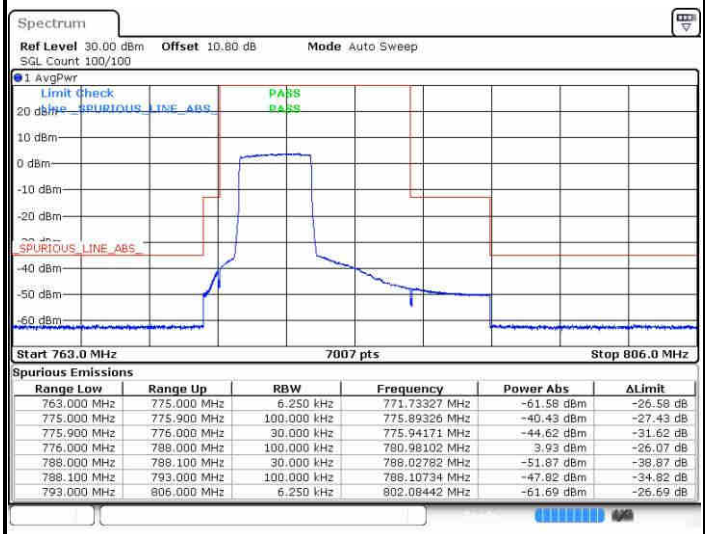


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.42258 MHz	-61.74 dBm	-26.74 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.28816 MHz	-49.69 dBm	-36.69 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93142 MHz	-54.59 dBm	-41.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	18.99 dBm	-11.01 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03841 MHz	-53.49 dBm	-40.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.27867 MHz	-49.31 dBm	-36.31 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.34416 MHz	-61.77 dBm	-26.77 dB

Date: 29.APR.2019 07:28:31

Lowest Band Edge / Full RB

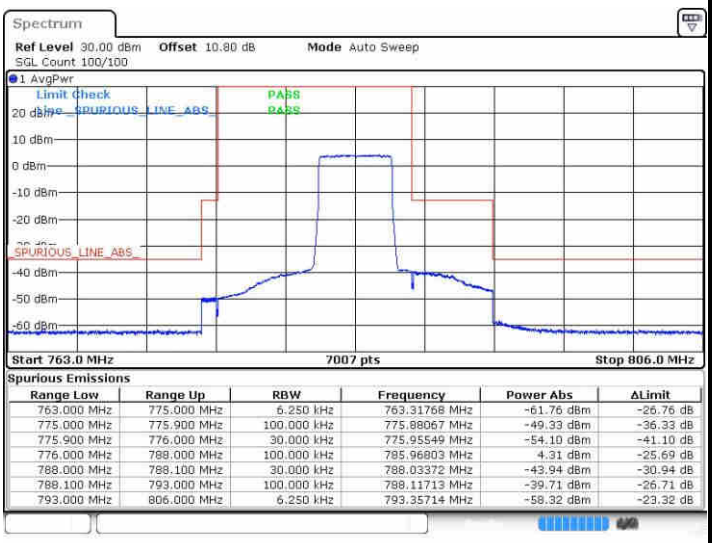


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.73327 MHz	-61.58 dBm	-26.58 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89326 MHz	-40.43 dBm	-27.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94171 MHz	-44.62 dBm	-31.62 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.98102 MHz	3.93 dBm	-26.07 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02782 MHz	-51.87 dBm	-38.87 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-47.82 dBm	-34.82 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.08442 MHz	-61.69 dBm	-26.69 dB

Date: 29.APR.2019 07:21:19

Highest Band Edge / Full RB



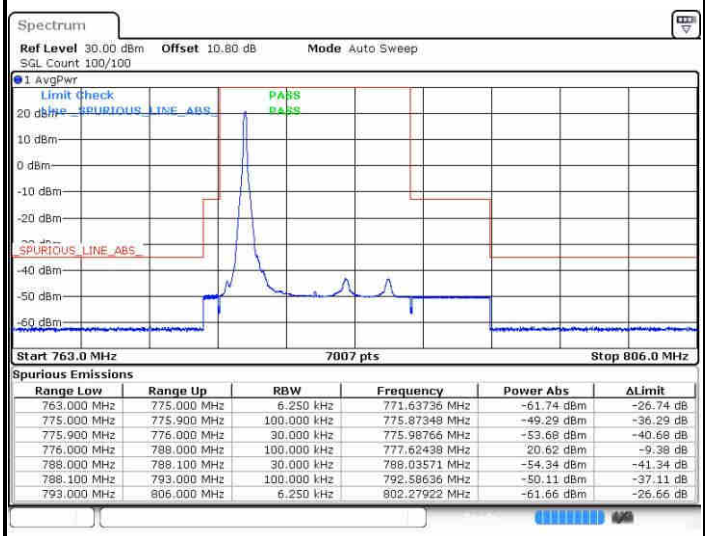
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.31768 MHz	-61.76 dBm	-26.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88067 MHz	-49.33 dBm	-36.33 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95549 MHz	-54.10 dBm	-41.10 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.96803 MHz	4.31 dBm	-25.69 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03372 MHz	-43.94 dBm	-30.94 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-39.71 dBm	-26.71 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.35714 MHz	-58.32 dBm	-23.32 dB

Date: 29.APR.2019 07:26:50

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

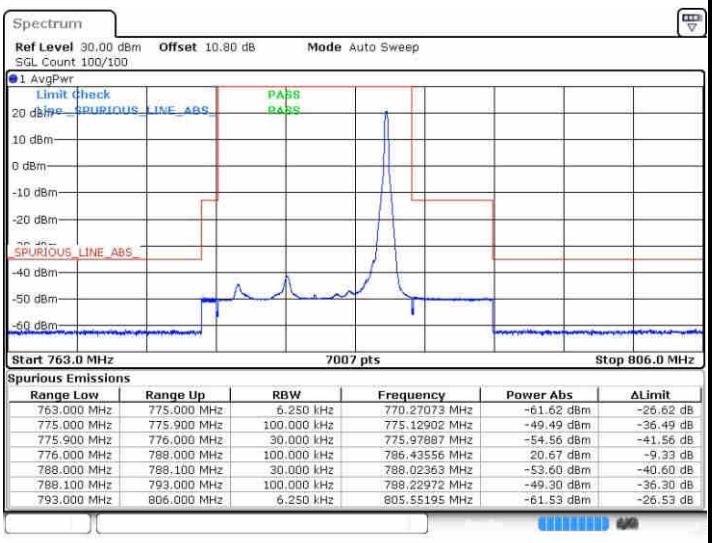


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.63736 MHz	-61.74 dBm	-26.74 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87348 MHz	-49.29 dBm	-36.29 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98766 MHz	-53.68 dBm	-40.68 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.62438 MHz	20.62 dBm	-9.38 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03571 MHz	-54.34 dBm	-41.34 dB
788.100 MHz	793.000 MHz	100.000 kHz	792.58636 MHz	-50.11 dBm	-37.11 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.27922 MHz	-61.66 dBm	-26.66 dB

Date: 29.APR.2019 07:36:43

Highest Band Edge / 1 RB

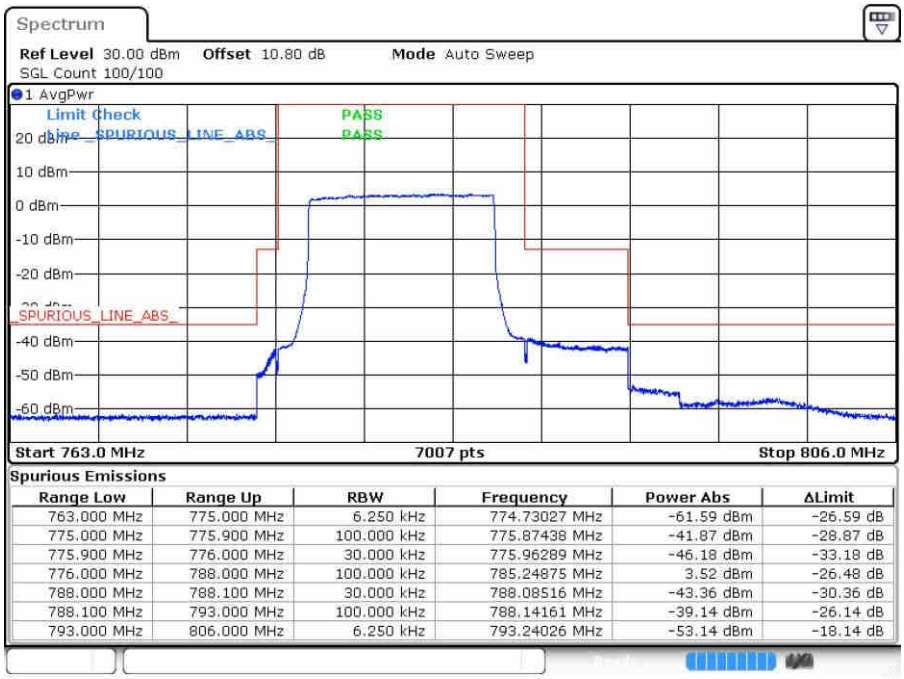


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.27073 MHz	-61.62 dBm	-26.62 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.12902 MHz	-49.49 dBm	-36.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97887 MHz	-54.56 dBm	-41.56 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.43556 MHz	20.67 dBm	-9.33 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02363 MHz	-53.60 dBm	-40.60 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.22972 MHz	-49.30 dBm	-36.30 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.55195 MHz	-61.53 dBm	-26.53 dB

Date: 29.APR.2019 07:38:23

Band Edge / Full RB



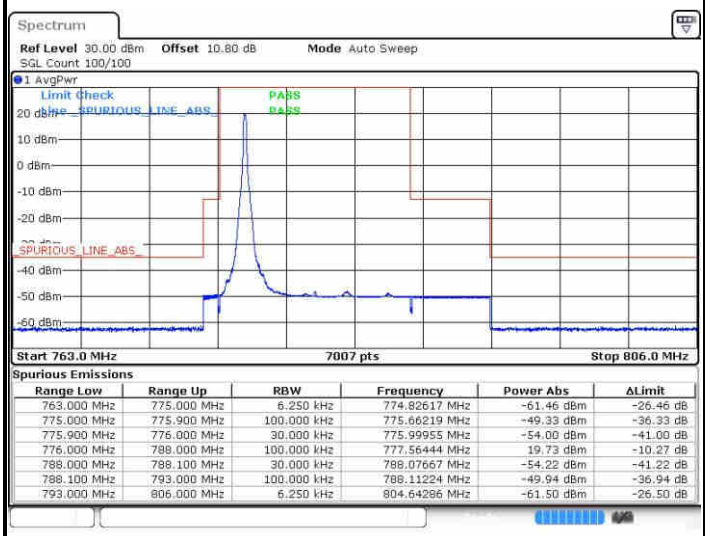
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.73027 MHz	-61.59 dBm	-26.59 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87438 MHz	-41.87 dBm	-28.87 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96289 MHz	-46.18 dBm	-33.18 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.24875 MHz	3.52 dBm	-26.48 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08516 MHz	-43.36 dBm	-30.36 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14161 MHz	-39.14 dBm	-26.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.24026 MHz	-53.14 dBm	-18.14 dB

Date: 29.APR.2019 07:31:40

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

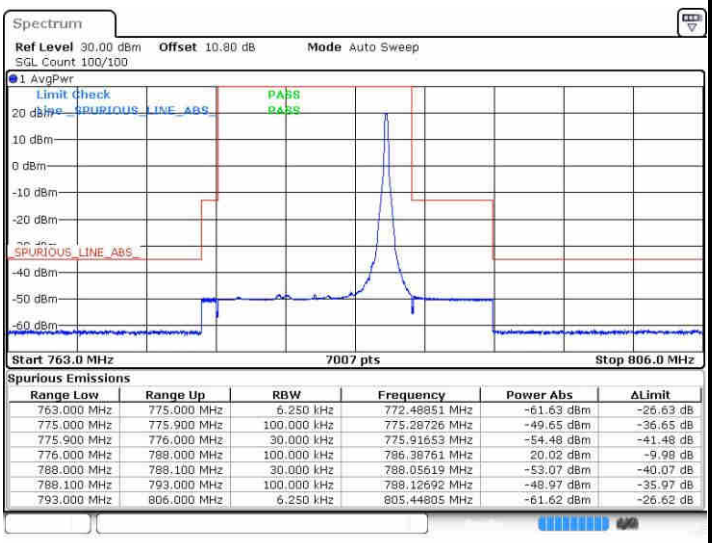


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.82617 MHz	-61.46 dBm	-26.46 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.66219 MHz	-49.33 dBm	-36.33 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99955 MHz	-54.00 dBm	-41.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	19.73 dBm	-10.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07667 MHz	-54.22 dBm	-41.22 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-49.94 dBm	-36.94 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.64286 MHz	-61.50 dBm	-26.50 dB

Date: 29.APR.2019 07:35:02

Highest Band Edge / 1 RB

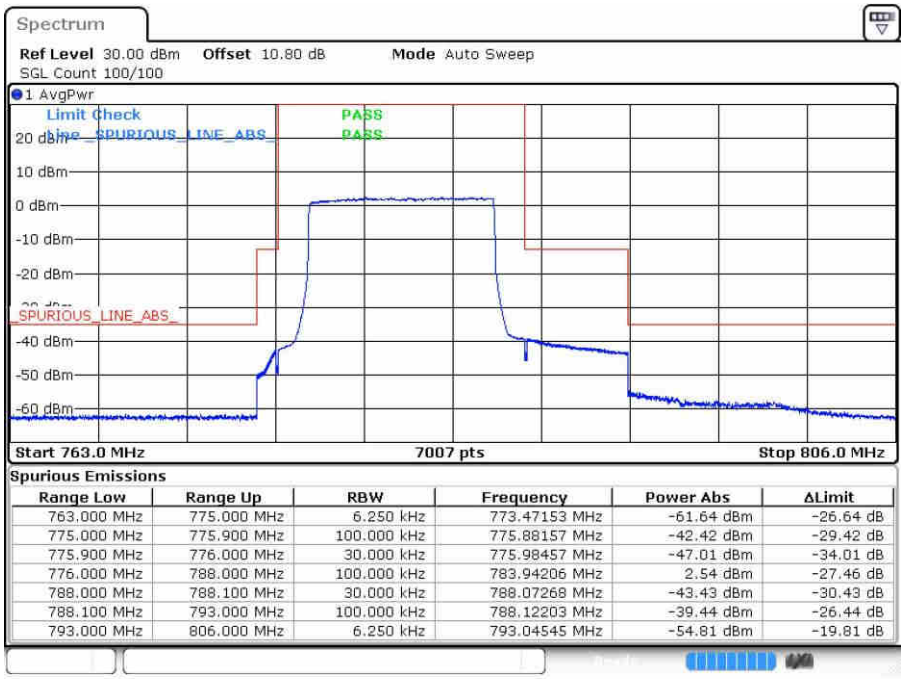


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.48851 MHz	-61.63 dBm	-26.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.28726 MHz	-49.65 dBm	-36.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91653 MHz	-54.48 dBm	-41.48 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	20.02 dBm	-9.98 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05619 MHz	-53.07 dBm	-40.07 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-48.97 dBm	-35.97 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.44805 MHz	-61.62 dBm	-26.62 dB

Date: 29.APR.2019 07:40:04

Band Edge / Full RB



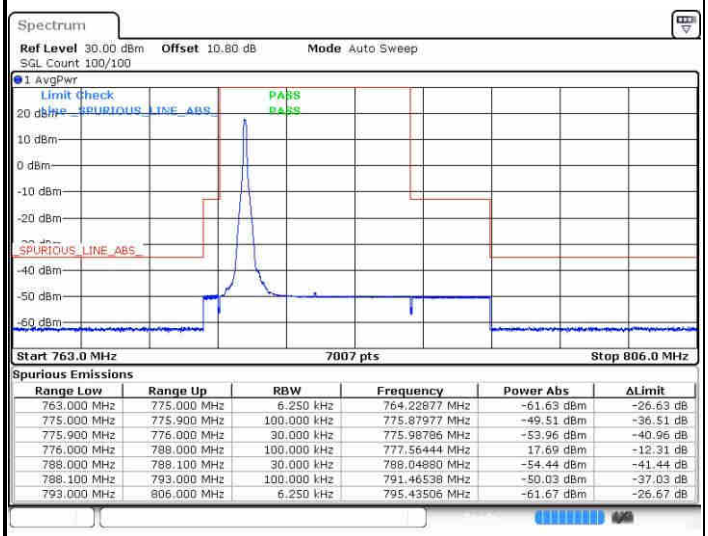
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.47153 MHz	-61.64 dBm	-26.64 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88157 MHz	-42.42 dBm	-29.42 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98457 MHz	-47.01 dBm	-34.01 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.94206 MHz	2.54 dBm	-27.46 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07268 MHz	-43.43 dBm	-30.43 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-39.44 dBm	-26.44 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.04545 MHz	-54.81 dBm	-19.81 dB

Date: 29.APR.2019 07:33:21

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

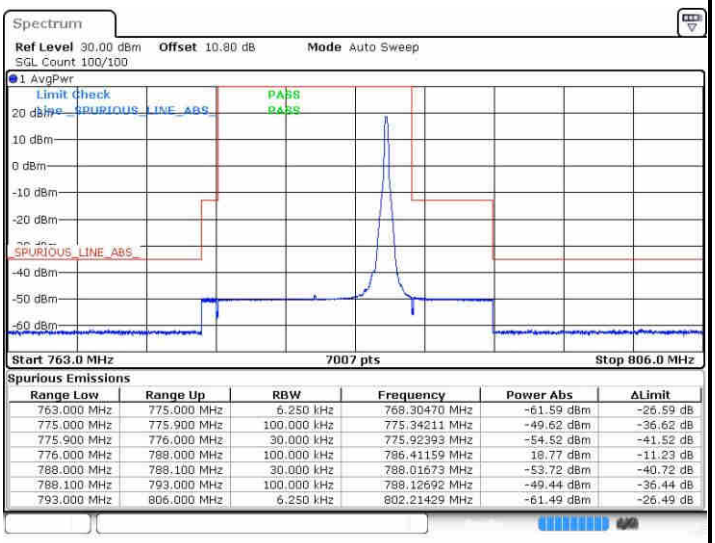


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.22877 MHz	-61.63 dBm	-26.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87977 MHz	-49.51 dBm	-36.51 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98786 MHz	-53.96 dBm	-40.96 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.56444 MHz	17.69 dBm	-12.31 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04880 MHz	-54.44 dBm	-41.44 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.46538 MHz	-50.03 dBm	-37.03 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.43506 MHz	-61.67 dBm	-26.67 dB

Date: 29.APR.2019 07:45:09

Highest Band Edge / 1 RB

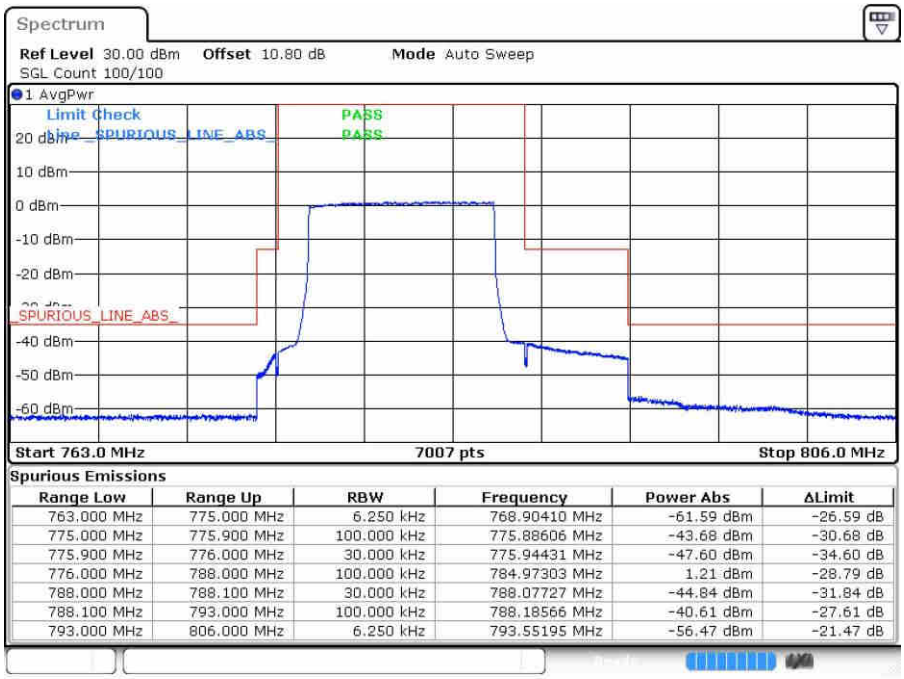


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.30470 MHz	-61.59 dBm	-26.59 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.34211 MHz	-49.62 dBm	-36.62 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92393 MHz	-54.52 dBm	-41.52 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	18.77 dBm	-11.23 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01673 MHz	-53.72 dBm	-40.72 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-49.44 dBm	-36.44 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.21429 MHz	-61.49 dBm	-26.49 dB

Date: 29.APR.2019 07:46:50

Band Edge / Full RB



Spurious Emissions

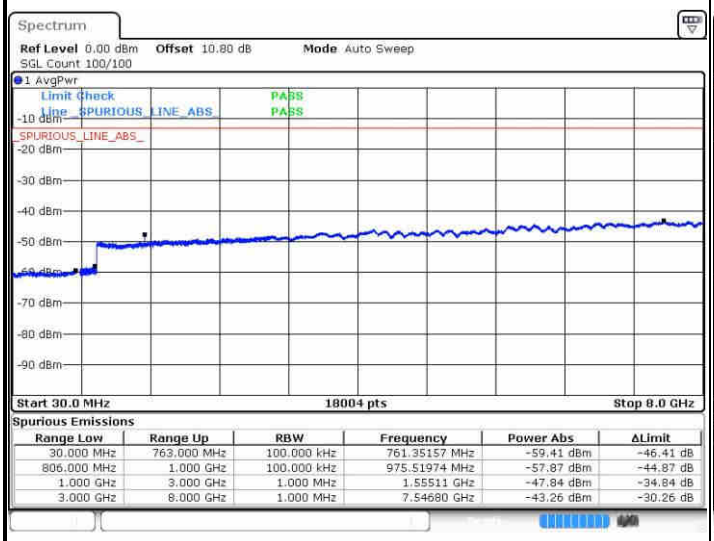
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.90410 MHz	-61.59 dBm	-26.59 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88606 MHz	-43.68 dBm	-30.68 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94431 MHz	-47.60 dBm	-34.60 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.97303 MHz	1.21 dBm	-28.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07727 MHz	-44.84 dBm	-31.84 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18566 MHz	-40.61 dBm	-27.61 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.55195 MHz	-56.47 dBm	-21.47 dB

Date: 29.APR.2019 07:43:29

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

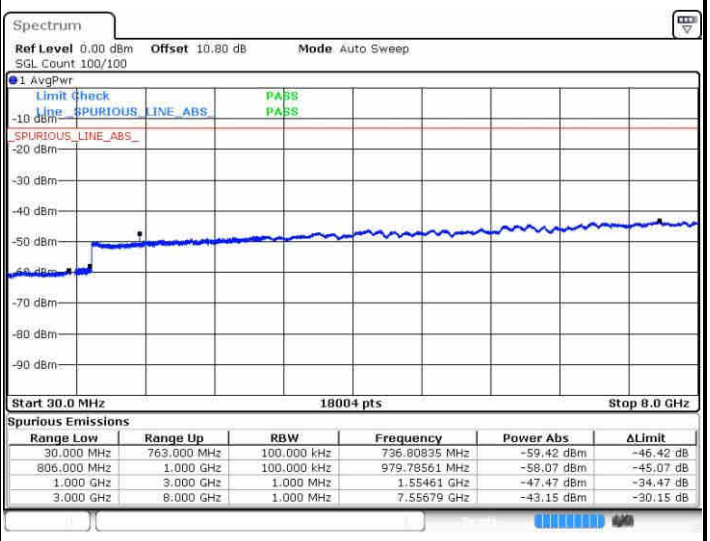


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.35157 MHz	-59.41 dBm	-46.41 dB
806.000 MHz	1.000 GHz	100.000 kHz	975.51974 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-47.84 dBm	-34.84 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54680 GHz	-43.26 dBm	-30.26 dB

Date: 29.APR.2019 07:07:31

Lowest Channel / 16QAM

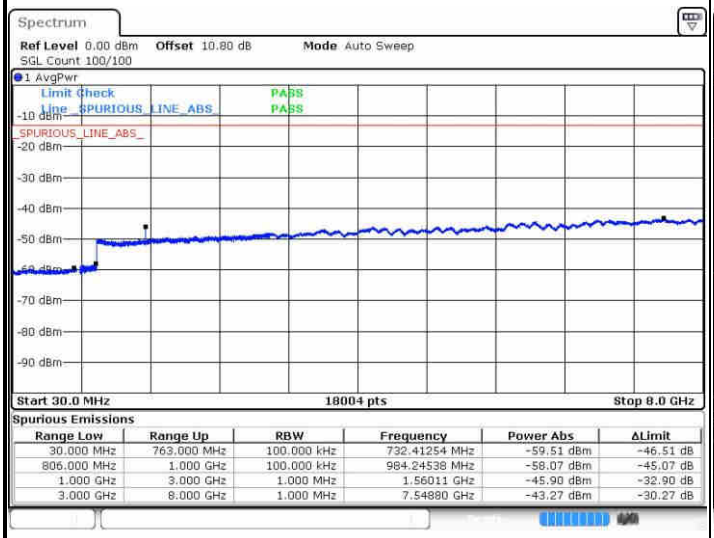


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	736.80835 MHz	-59.42 dBm	-46.42 dB
806.000 MHz	1.000 GHz	100.000 kHz	979.78561 MHz	-58.07 dBm	-45.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55461 GHz	-47.47 dBm	-34.47 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55679 GHz	-43.15 dBm	-30.15 dB

Date: 29.APR.2019 07:08:11

Middle Channel / QPSK

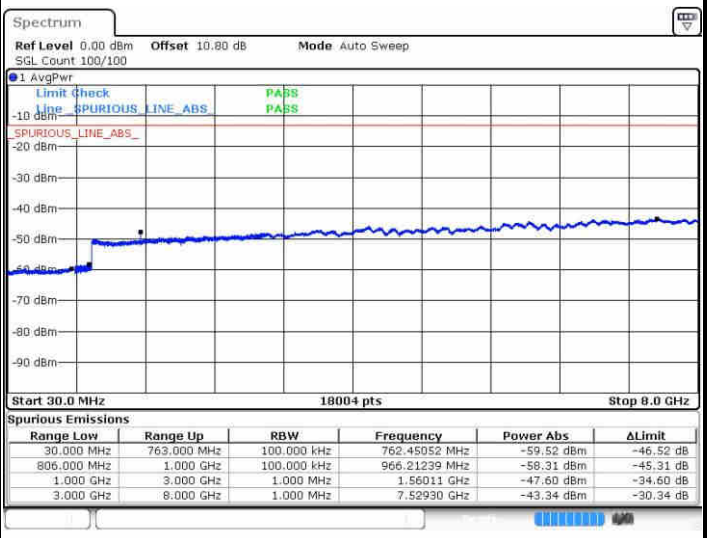


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	732.41254 MHz	-59.51 dBm	-46.51 dB
806.000 MHz	1.000 GHz	100.000 kHz	984.24538 MHz	-58.07 dBm	-45.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.90 dBm	-32.90 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54880 GHz	-43.27 dBm	-30.27 dB

Date: 29.APR.2019 07:09:32

Middle Channel / 16QAM



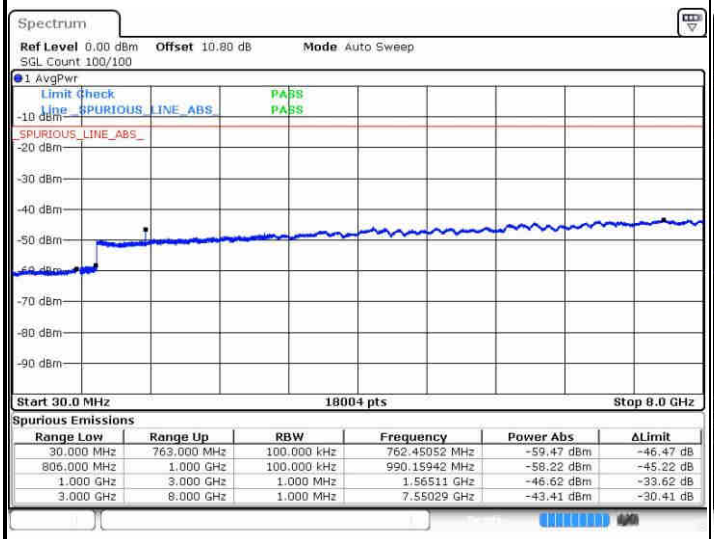
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	762.45052 MHz	-59.52 dBm	-46.52 dB
806.000 MHz	1.000 GHz	100.000 kHz	966.21239 MHz	-58.31 dBm	-45.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-47.60 dBm	-34.60 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.52930 GHz	-43.34 dBm	-30.34 dB

Date: 29.APR.2019 07:08:52

LTE Band 13 / 5MHz

Highest Channel / QPSK

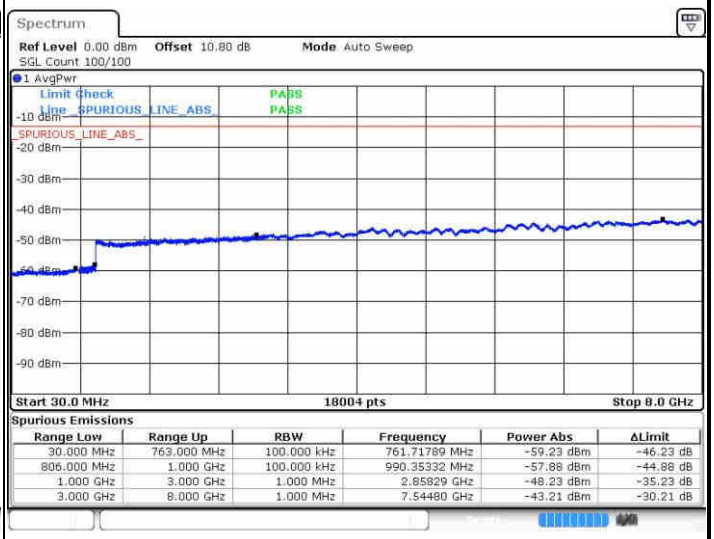


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	762.45052 MHz	-59.47 dBm	-46.47 dB
806.000 MHz	1.000 GHz	100.000 kHz	990.15942 MHz	-58.22 dBm	-45.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-46.62 dBm	-33.62 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55029 GHz	-43.41 dBm	-30.41 dB

Date: 29.APR.2019 07:18:33

Highest Channel / 16QAM



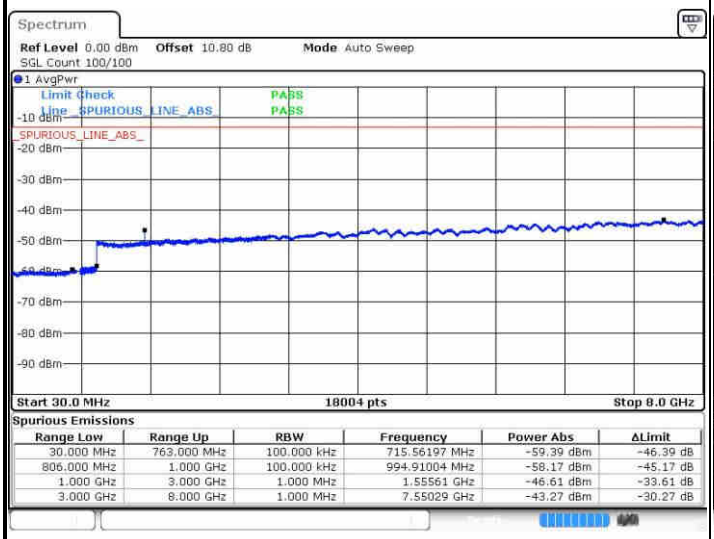
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.71789 MHz	-59.23 dBm	-46.23 dB
806.000 MHz	1.000 GHz	100.000 kHz	990.35332 MHz	-57.88 dBm	-44.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85829 GHz	-48.23 dBm	-35.23 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54480 GHz	-43.21 dBm	-30.21 dB

Date: 29.APR.2019 07:19:14

LTE Band 13 / 10MHz

Middle Channel / QPSK

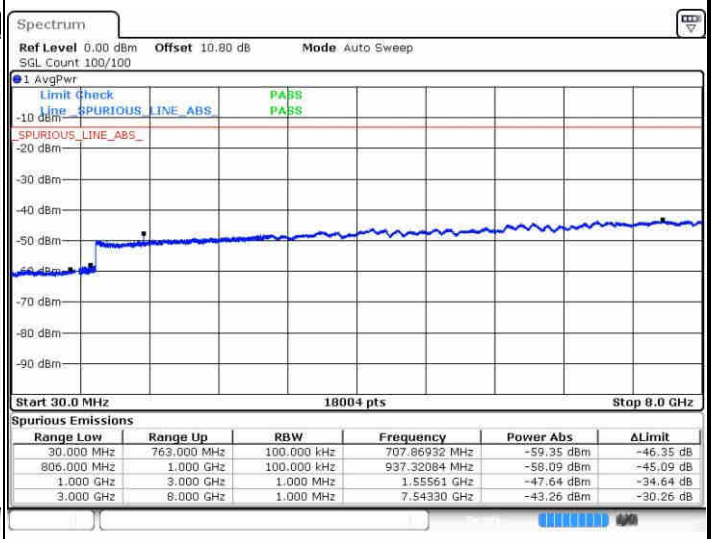


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	715.56197 MHz	-59.39 dBm	-46.39 dB
806.000 MHz	1.000 GHz	100.000 kHz	994.91004 MHz	-58.17 dBm	-45.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-46.61 dBm	-33.61 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55029 GHz	-43.27 dBm	-30.27 dB

Date: 29.APR.2019 07:41:25

Middle Channel / 16QAM



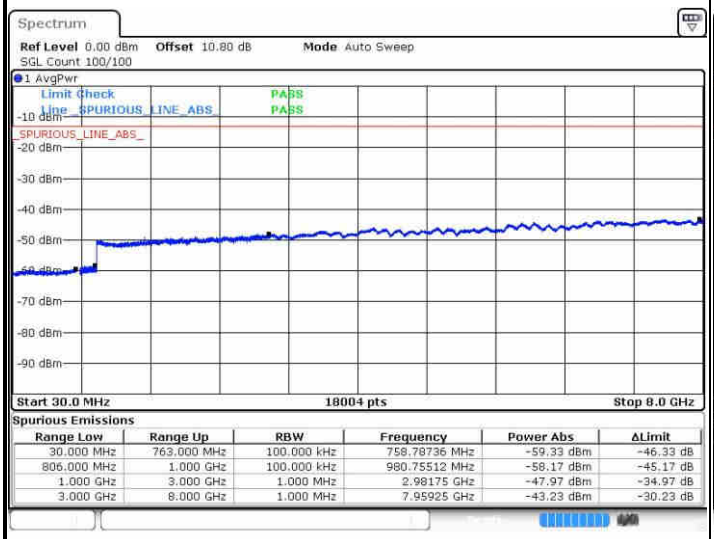
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	707.86932 MHz	-59.35 dBm	-46.35 dB
806.000 MHz	1.000 GHz	100.000 kHz	937.32084 MHz	-58.09 dBm	-45.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-47.64 dBm	-34.64 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54330 GHz	-43.26 dBm	-30.26 dB

Date: 29.APR.2019 07:40:45

LTE Band 13 / 5MHz

Lowest Channel / 64QAM

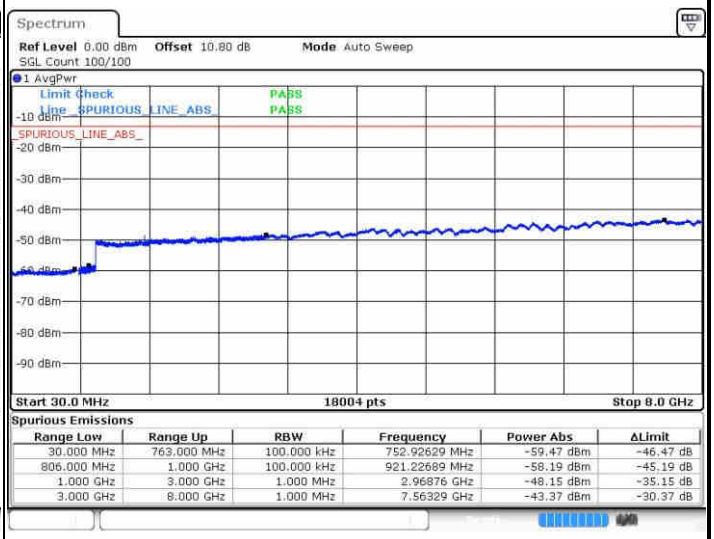


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	758.78736 MHz	-59.33 dBm	-46.33 dB
806.000 MHz	1.000 GHz	100.000 kHz	980.75512 MHz	-58.17 dBm	-45.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98175 GHz	-47.97 dBm	-34.97 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.95925 GHz	-43.23 dBm	-30.23 dB

Date: 29.APR.2019 07:23:42

Middle Channel / 64QAM

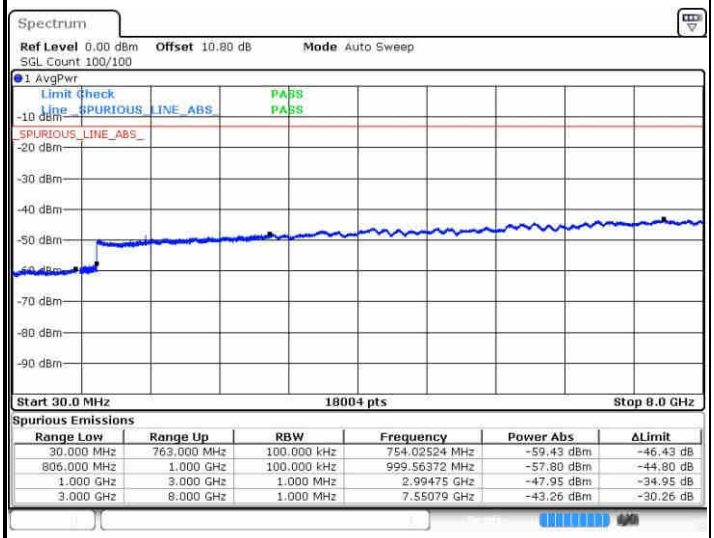


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	752.92629 MHz	-59.47 dBm	-46.47 dB
806.000 MHz	1.000 GHz	100.000 kHz	921.22689 MHz	-58.19 dBm	-45.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96876 GHz	-48.15 dBm	-35.15 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.56329 GHz	-43.37 dBm	-30.37 dB

Date: 29.APR.2019 07:24:22

Highest Channel / 64QAM

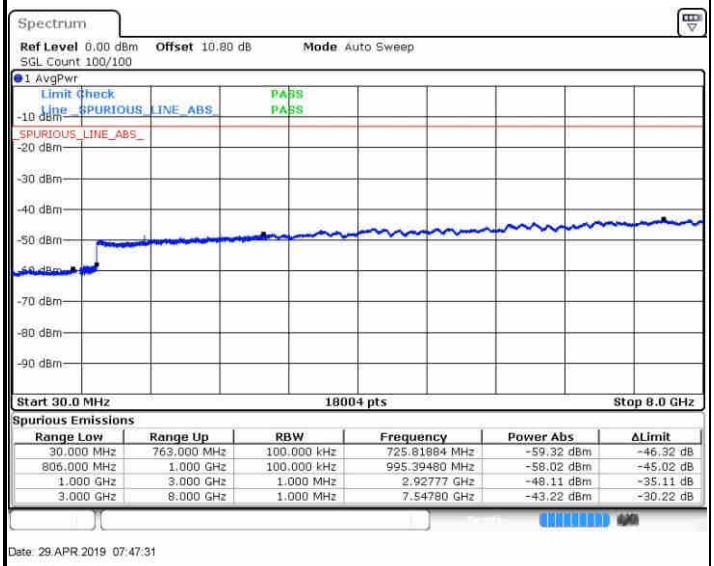


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	754.02524 MHz	-59.43 dBm	-46.43 dB
806.000 MHz	1.000 GHz	100.000 kHz	999.56372 MHz	-57.80 dBm	-44.80 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99475 GHz	-47.95 dBm	-34.95 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55079 GHz	-43.26 dBm	-30.26 dB

Date: 29.APR.2019 07:29:13

LTE Band 13 / 10MHz	
Middle Channel / 64QAM	



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	725.81884 MHz	-59.32 dBm	-46.32 dB
806.000 MHz	1.000 GHz	100.000 kHz	995.39480 MHz	-58.02 dBm	-45.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.92777 GHz	-48.11 dBm	-35.11 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54780 GHz	-43.22 dBm	-30.22 dB

Date: 29.APR.2019 07:47:31

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0164	
20	Maximum Voltage	0.0272	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

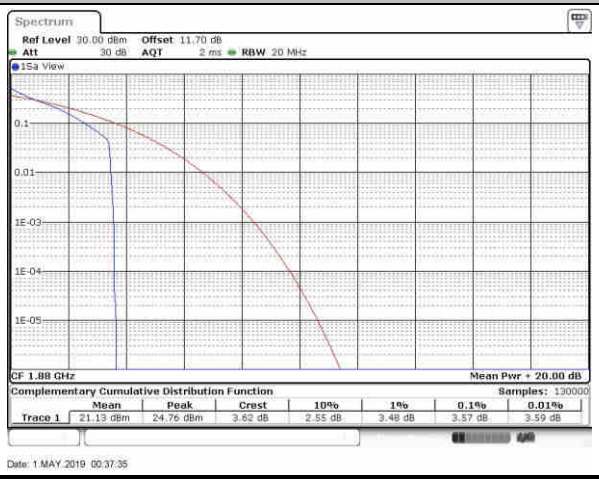
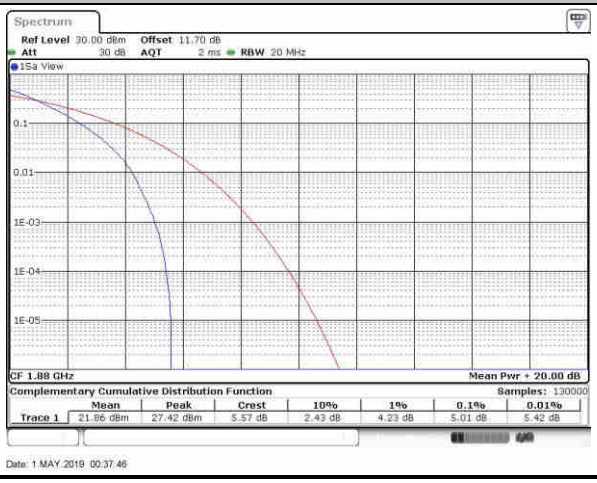
Note:

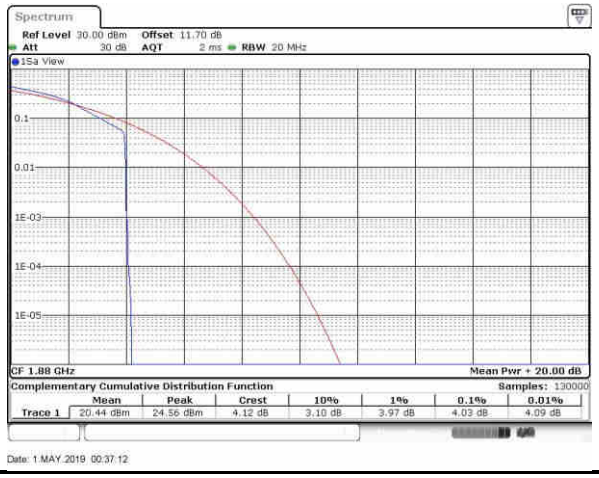
1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

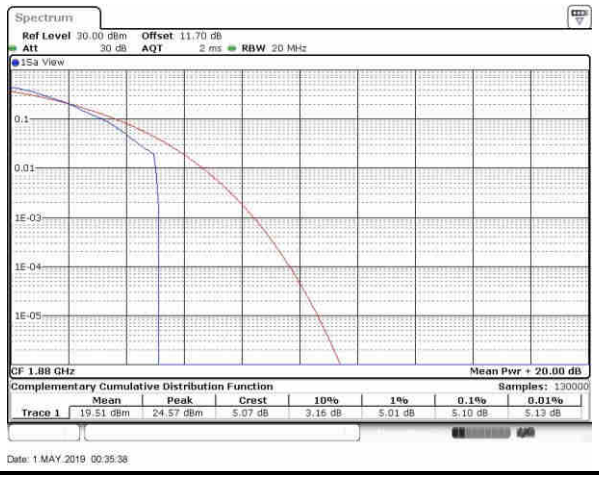
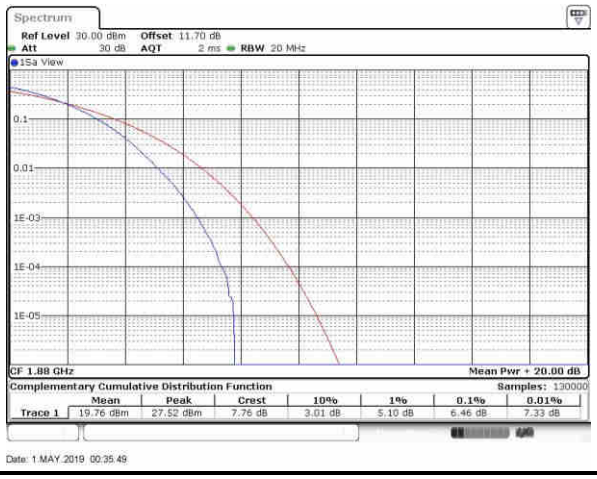
LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	5.04	4.38	6.00	PASS
Middle CH	3.57	5.01	4.03	5.97	
Highest CH	3.59	4.99	4.43	6.06	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.07	6.55	-	-	PASS
Middle CH	5.10	6.46	-	-	
Highest CH	5.33	6.55	-	-	

LTE Band 25 / 20MHz / QPSK	
Middle Channel / 1RB	Middle Channel / Full RB
	

LTE Band 25 / 20MHz / 16QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

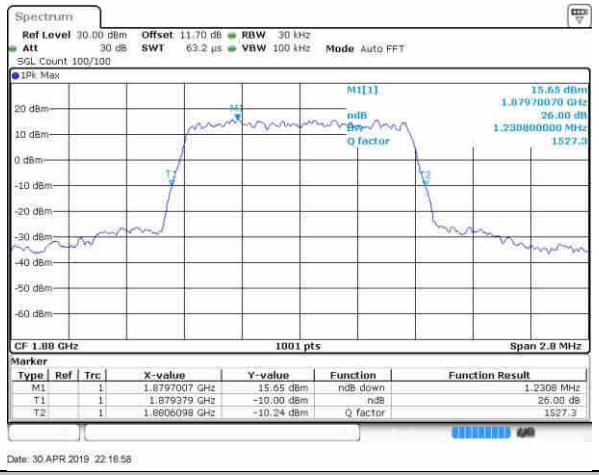
LTE Band 25 / 20MHz / 64QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

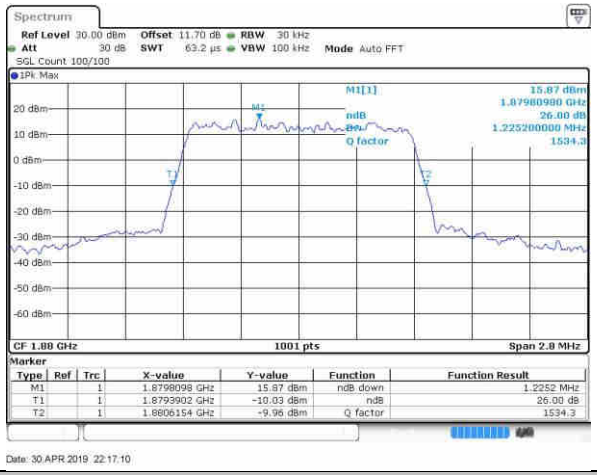
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.24	1.25	3.02	3.03	4.96	4.87	9.67	9.77	14.39	14.39	19.10	18.94
Middle CH	1.23	1.23	3.08	3.00	4.94	4.87	9.73	9.81	14.45	14.36	19.18	19.14
Highest CH	1.23	1.22	2.99	3.06	4.91	4.91	9.73	9.71	14.27	14.42	19.06	18.66
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.23	-	3.05	-	4.87	-	9.81	-	14.24	-	18.98	-
Middle CH	1.21	-	2.99	-	4.88	-	9.73	-	14.36	-	18.86	-
Highest CH	1.23	-	3.03	-	4.83	-	9.87	-	14.33	-	18.98	-

LTE Band 25

Middle Channel / 1.4MHz / QPSK

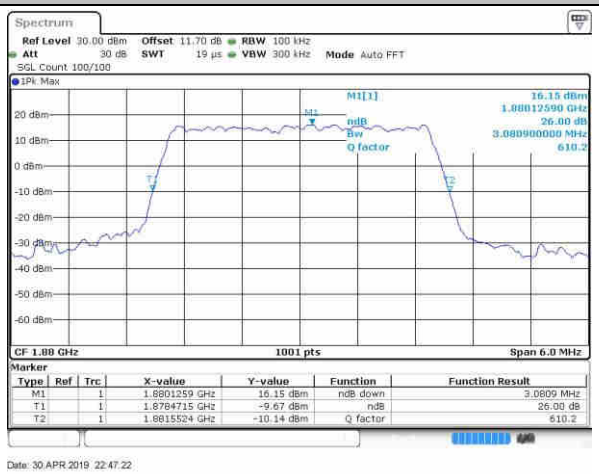


Middle Channel / 1.4MHz / 16QAM

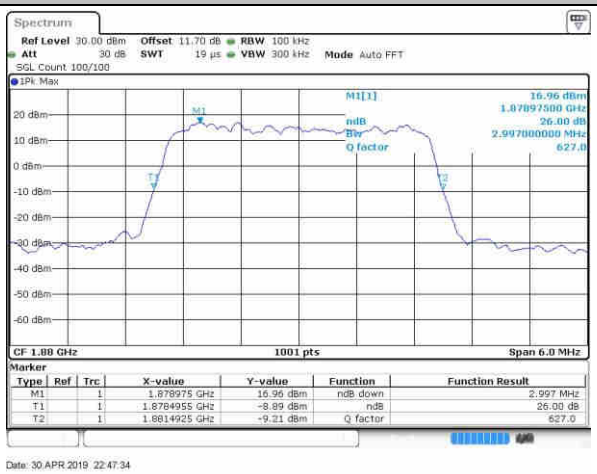


LTE Band 25

Middle Channel / 3MHz / QPSK

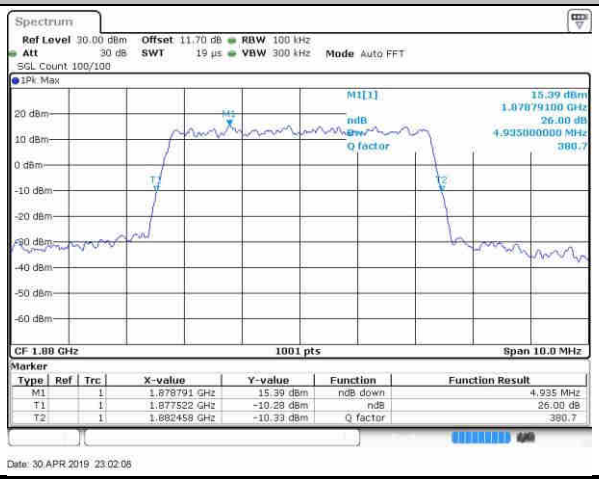
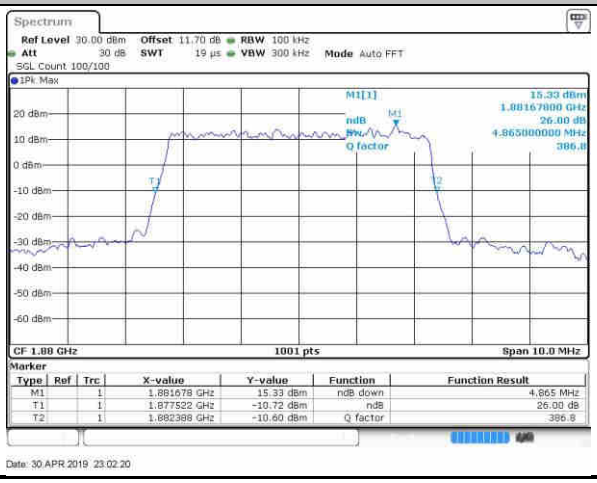


Middle Channel / 3MHz / 16QAM



LTE Band 25

Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM