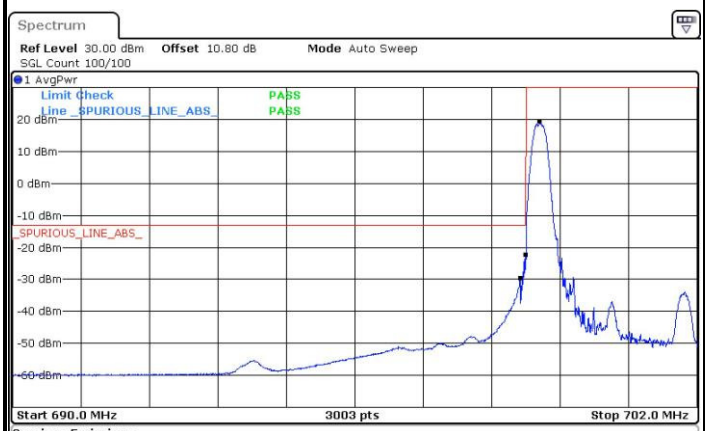
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

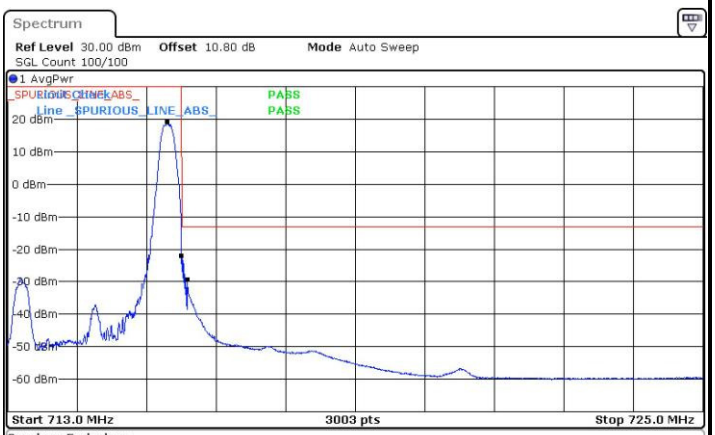


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-29.55 dBm	-16.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99695 MHz	-22.36 dBm	-9.36 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23826 MHz	19.44 dBm	-10.56 dB

Date: 15.JUN.2016 11:57:01

Highest Band Edge / 1 RB

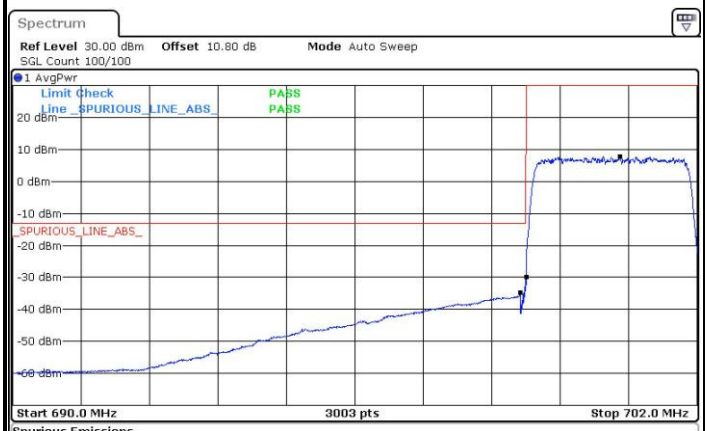


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.75275 MHz	19.05 dBm	-10.95 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00075 MHz	-22.08 dBm	-9.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-29.32 dBm	-16.32 dB

Date: 15.JUN.2016 12:14:40

Lowest Band Edge / Full RB

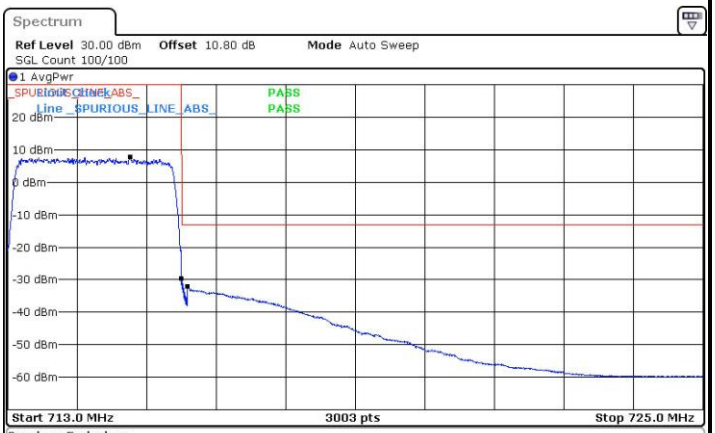


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.73 dBm	-21.73 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99975 MHz	-29.97 dBm	-16.97 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.64685 MHz	7.79 dBm	-22.21 dB

Date: 15.JUN.2016 11:53:52

Highest Band Edge / Full RB



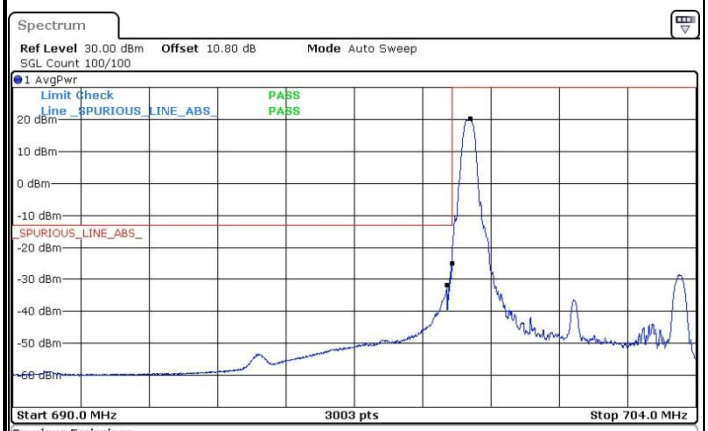
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.10839 MHz	7.75 dBm	-22.25 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00015 MHz	-29.61 dBm	-16.61 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.97 dBm	-18.97 dB

Date: 15.JUN.2016 12:11:31

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

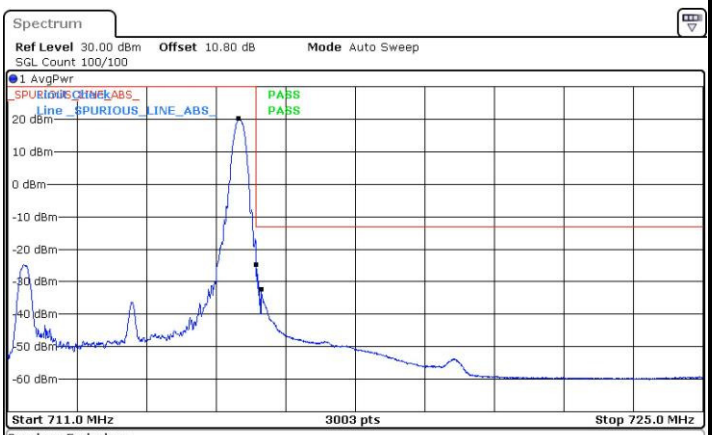


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.86 dBm	-18.86 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99795 MHz	-25.10 dBm	-12.10 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.37712 MHz	20.24 dBm	-9.76 dB

Date: 15.JUN.2016 12:32:58

Highest Band Edge / 1 RB

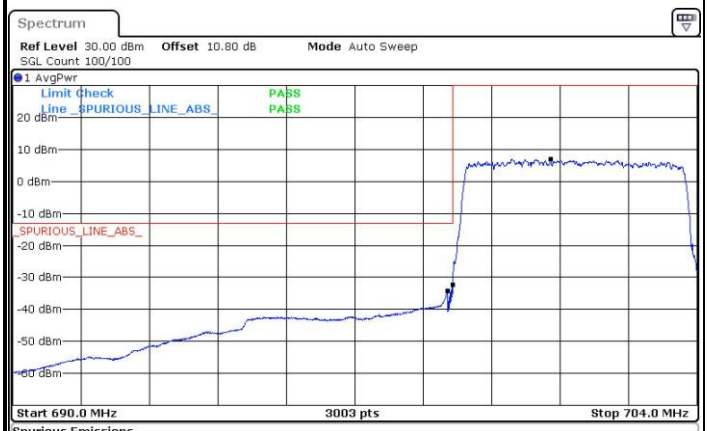


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64286 MHz	20.15 dBm	-9.85 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00135 MHz	-24.72 dBm	-11.72 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-32.44 dBm	-19.44 dB

Date: 15.JUN.2016 12:48:14

Lowest Band Edge / Full RB

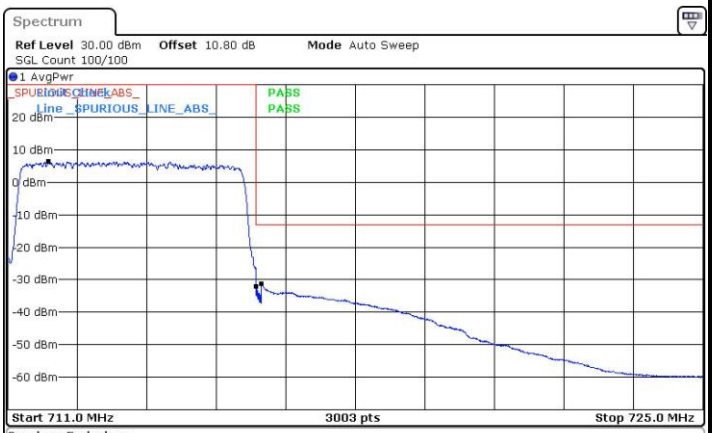


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.27 dBm	-21.27 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99705 MHz	-32.29 dBm	-19.29 dB
699.000 MHz	704.000 MHz	100.000 kHz	701.00549 MHz	6.92 dBm	-23.08 dB

Date: 15.JUN.2016 12:23:30

Highest Band Edge / Full RB



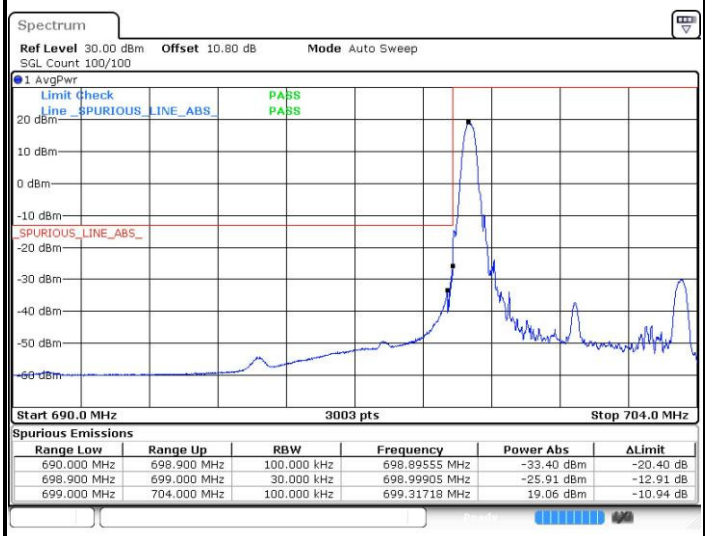
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	711.82168 MHz	6.49 dBm	-23.51 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00255 MHz	-32.01 dBm	-19.01 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.24 dBm	-18.24 dB

Date: 15.JUN.2016 12:41:48

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

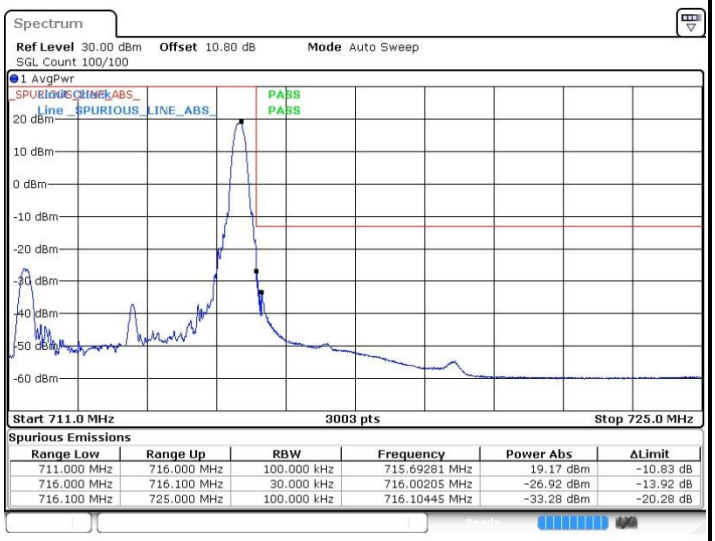


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-33.40 dBm	-20.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-25.91 dBm	-12.91 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.31718 MHz	19.06 dBm	-10.94 dB

Date: 15.JUN.2016 12:29:49

Highest Band Edge / 1 RB

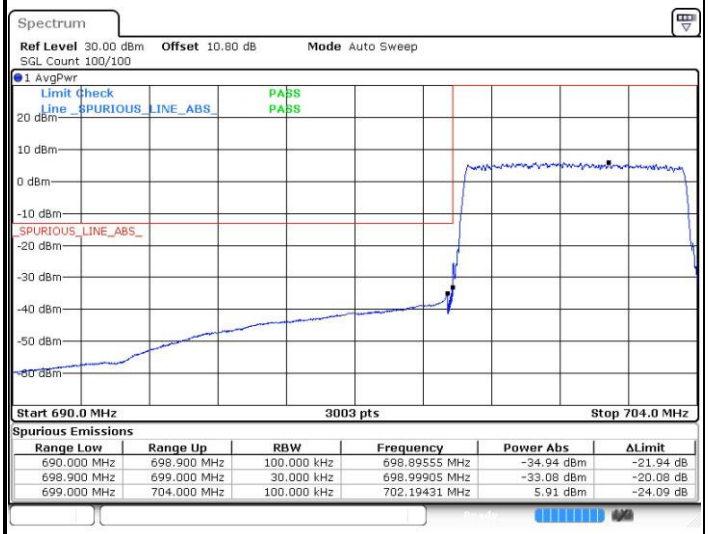


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.69281 MHz	19.17 dBm	-10.83 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00205 MHz	-26.92 dBm	-13.92 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.28 dBm	-20.28 dB

Date: 15.JUN.2016 12:51:26

Lowest Band Edge / Full RB

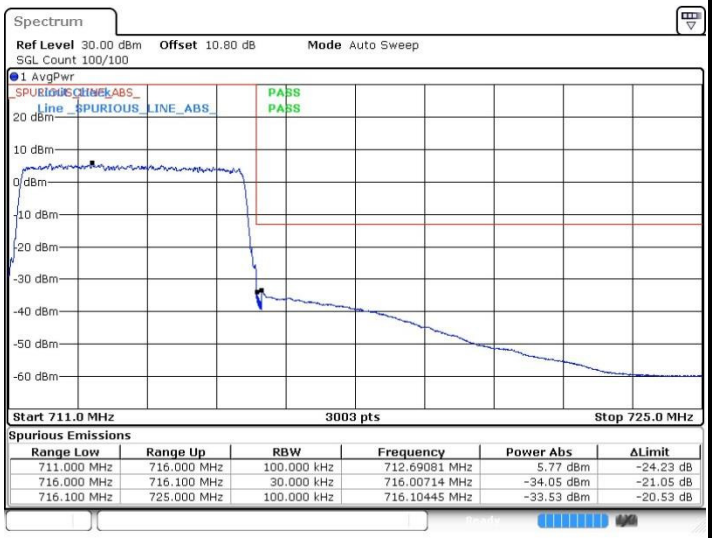


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.94 dBm	-21.94 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-33.08 dBm	-20.08 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.19431 MHz	5.91 dBm	-24.09 dB

Date: 15.JUN.2016 12:26:39

Highest Band Edge / Full RB



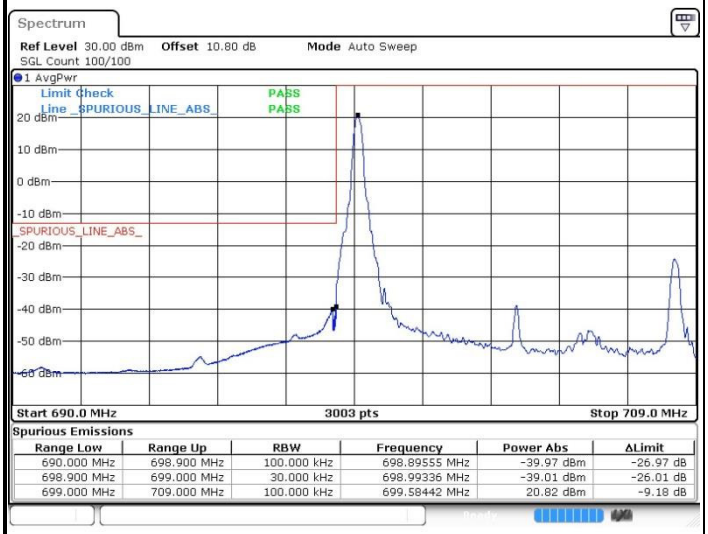
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.69081 MHz	5.77 dBm	-24.23 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00714 MHz	-34.05 dBm	-21.05 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.53 dBm	-20.53 dB

Date: 15.JUN.2016 12:45:00

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

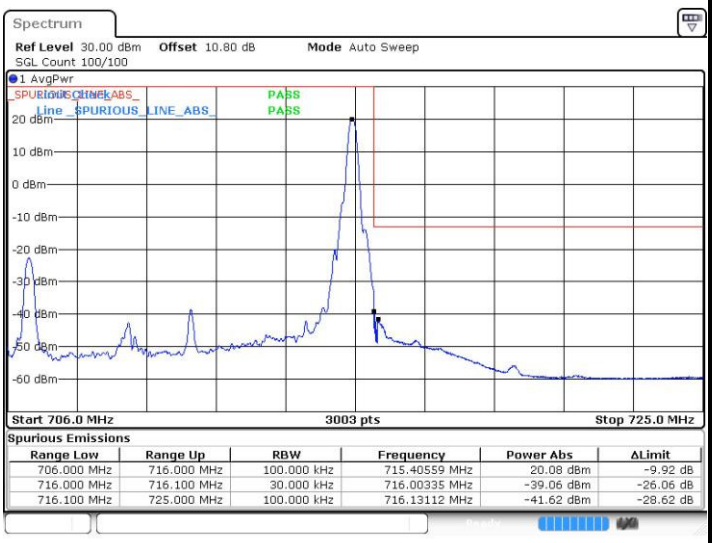


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-39.97 dBm	-26.97 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99336 MHz	-39.01 dBm	-26.01 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.58442 MHz	20.82 dBm	-9.18 dB

Date: 15.JUN.2016 13:07:08

Highest Band Edge / 1 RB

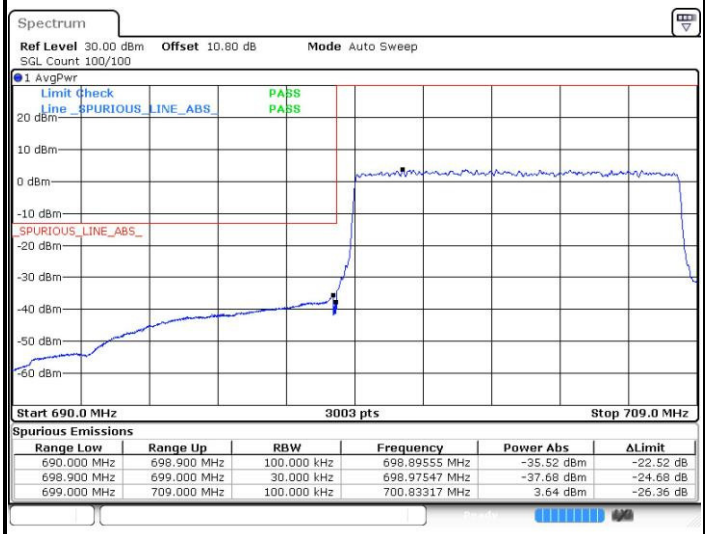


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40559 MHz	20.08 dBm	-9.92 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00335 MHz	-39.06 dBm	-26.06 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-41.62 dBm	-28.62 dB

Date: 15.JUN.2016 13:25:37

Lowest Band Edge / Full RB

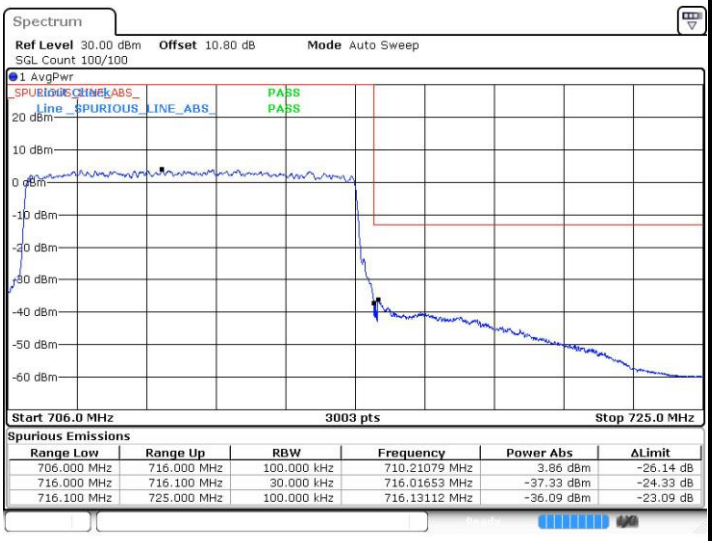


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.52 dBm	-22.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97547 MHz	-37.68 dBm	-24.68 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.83317 MHz	3.64 dBm	-26.36 dB

Date: 15.JUN.2016 12:57:28

Highest Band Edge / Full RB



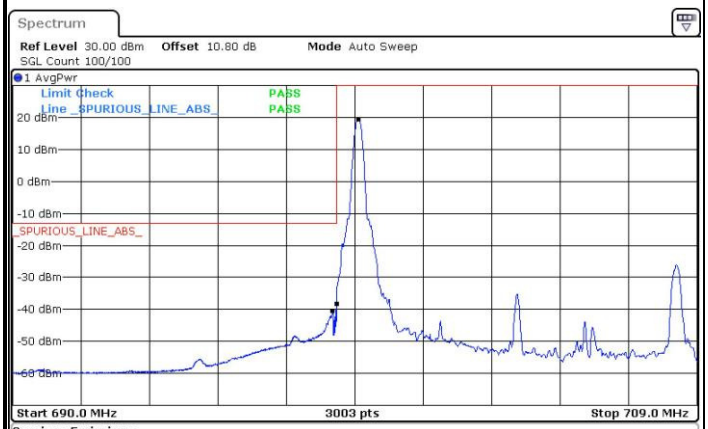
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.21079 MHz	3.86 dBm	-26.14 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01653 MHz	-37.33 dBm	-24.33 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-36.09 dBm	-23.09 dB

Date: 15.JUN.2016 13:15:59

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

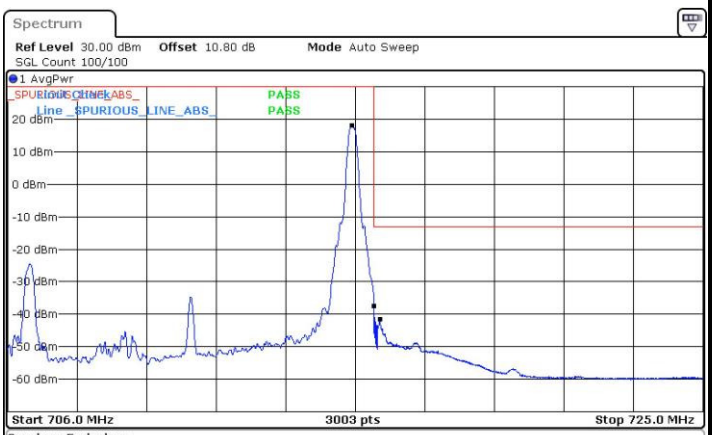


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-40.51 dBm	-27.51 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99785 MHz	-38.34 dBm	-25.34 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.58442 MHz	19.52 dBm	-10.48 dB

Date: 15.JUN.2016 13:03:55

Highest Band Edge / 1 RB

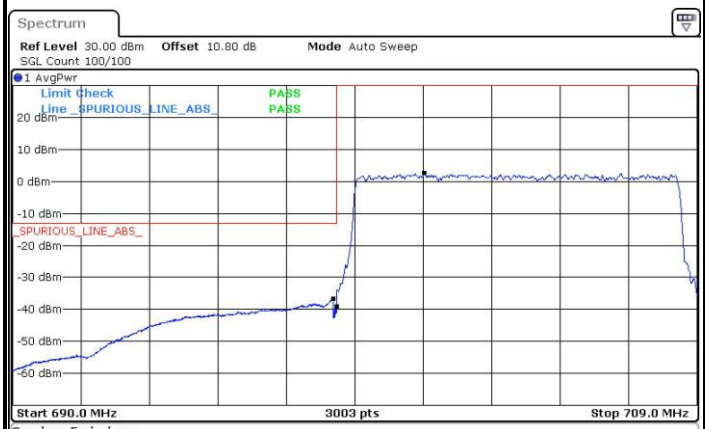


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	18.06 dBm	-11.94 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00504 MHz	-37.37 dBm	-24.37 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.18447 MHz	-41.45 dBm	-28.45 dB

Date: 15.JUN.2016 13:22:24

Lowest Band Edge / Full RB

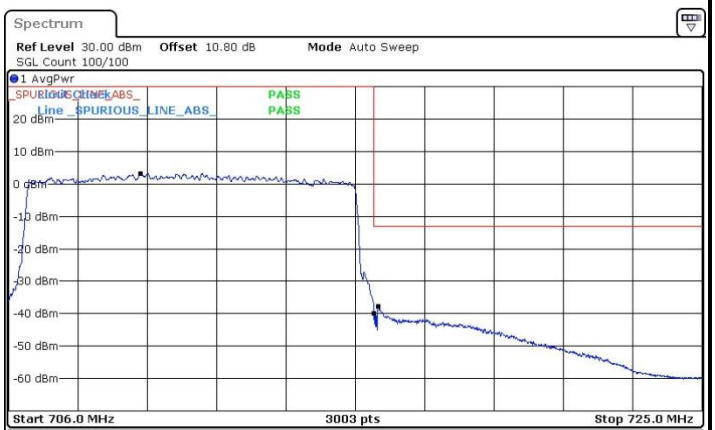


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-36.55 dBm	-23.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99226 MHz	-39.18 dBm	-26.18 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.43257 MHz	2.57 dBm	-27.43 dB

Date: 15.JUN.2016 13:00:40

Highest Band Edge / Full RB



Spurious Emissions

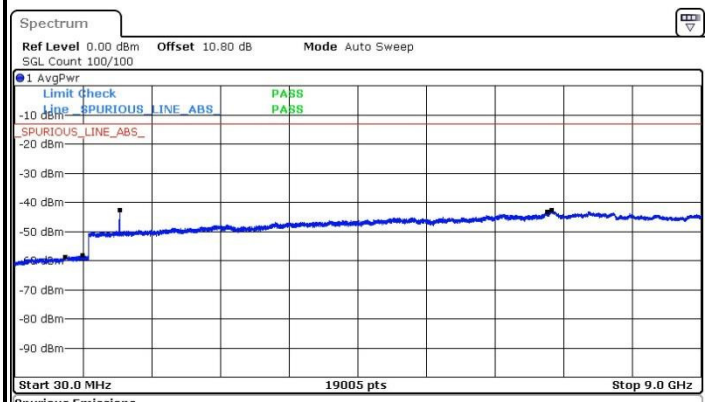
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.61139 MHz	3.22 dBm	-26.78 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00365 MHz	-39.78 dBm	-26.78 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-37.64 dBm	-24.64 dB

Date: 15.JUN.2016 13:19:11

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

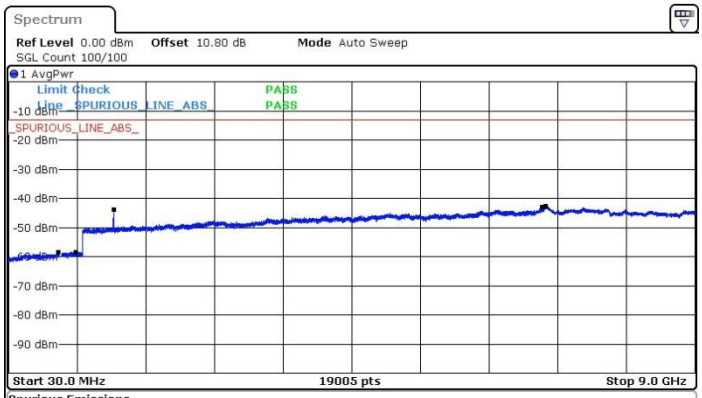


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-58.87 dBm	-45.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	916.07143 MHz	-58.30 dBm	-45.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.58 dBm	-29.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04974 GHz	-42.82 dBm	-29.82 dB

Date: 15.JUN.2016 15:09:24

Lowest Channel / 16QAM

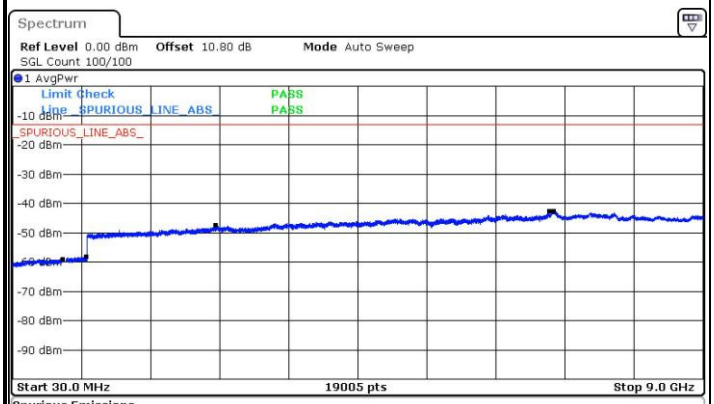


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.28036 MHz	-58.41 dBm	-45.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	901.78571 MHz	-58.36 dBm	-45.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.83 dBm	-30.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-42.92 dBm	-29.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04224 GHz	-42.72 dBm	-29.72 dB

Date: 15.JUN.2016 15:10:27

Middle Channel / QPSK

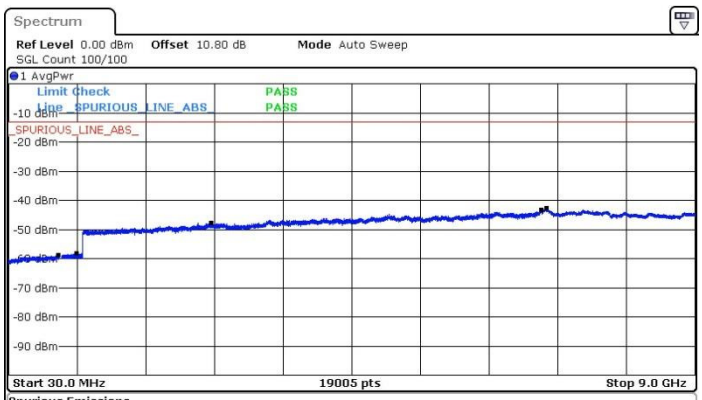


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	673.34333 MHz	-59.03 dBm	-46.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	988.59890 MHz	-58.32 dBm	-45.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66433 GHz	-47.56 dBm	-34.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-42.81 dBm	-29.81 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05924 GHz	-42.54 dBm	-29.54 dB

Date: 15.JUN.2016 15:13:17

Middle Channel / 16QAM



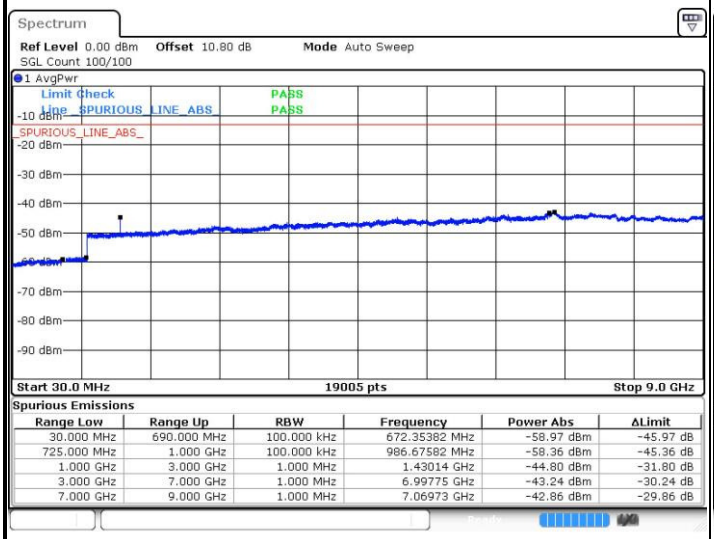
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	673.34333 MHz	-58.85 dBm	-45.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	910.57692 MHz	-58.28 dBm	-45.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.67483 GHz	-47.82 dBm	-34.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-43.26 dBm	-30.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06123 GHz	-42.73 dBm	-29.73 dB

Date: 15.JUN.2016 15:12:14

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

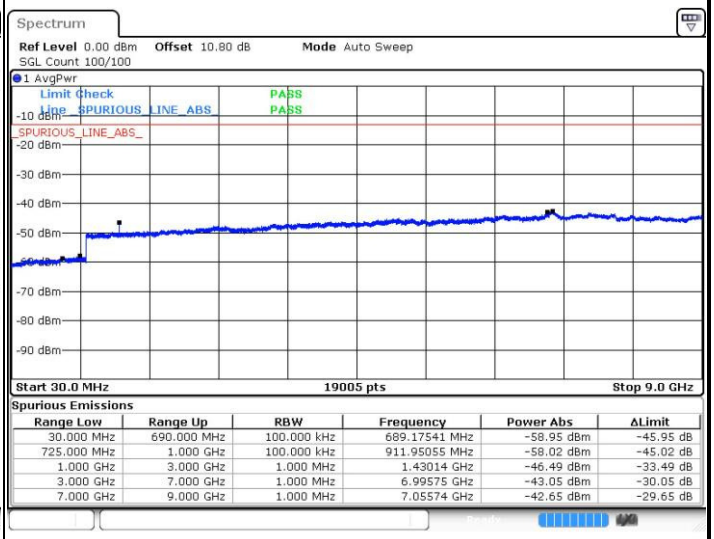


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	672.35382 MHz	-58.97 dBm	-45.97 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.67582 MHz	-58.36 dBm	-45.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.80 dBm	-31.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.24 dBm	-30.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06973 GHz	-42.86 dBm	-29.86 dB

Date: 15.JUN.2016 15:27:57

Highest Channel / 16QAM



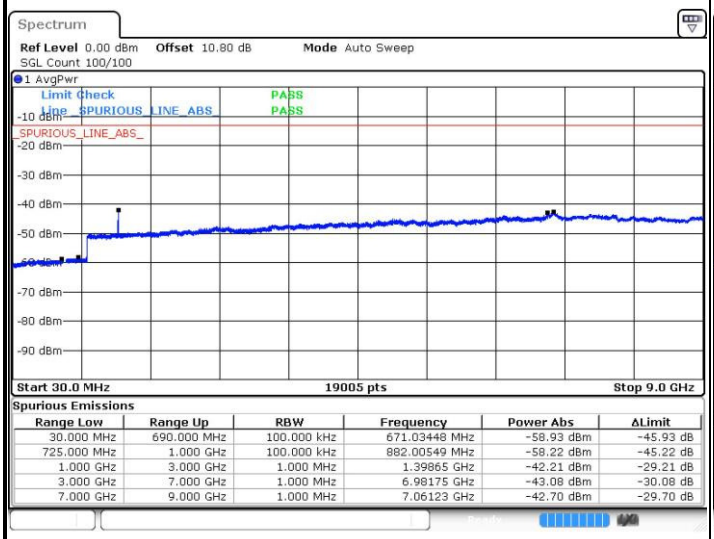
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-58.95 dBm	-45.95 dB
725.000 MHz	1.000 GHz	100.000 kHz	911.95055 MHz	-58.02 dBm	-45.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-43.05 dBm	-30.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05574 GHz	-42.65 dBm	-29.65 dB

Date: 15.JUN.2016 15:29:00

LTE Band 12 / 3MHz

Lowest Channel / QPSK

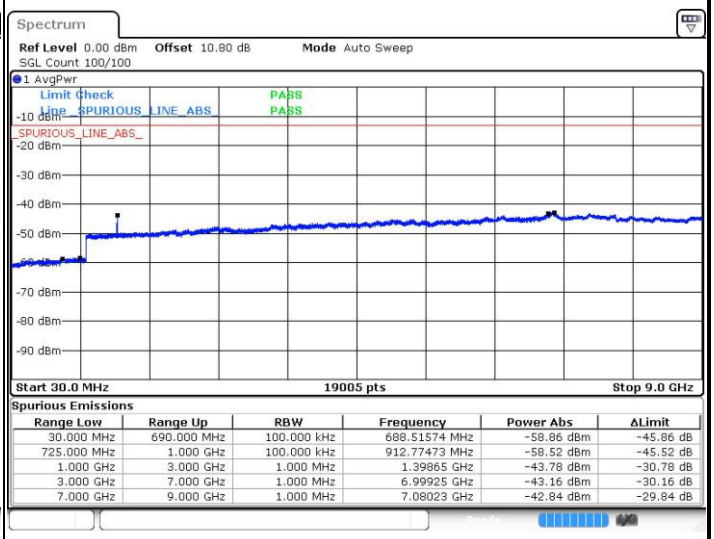


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.03448 MHz	-58.93 dBm	-45.93 dB
725.000 MHz	1.000 GHz	100.000 kHz	882.00549 MHz	-58.22 dBm	-45.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.21 dBm	-29.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-43.08 dBm	-30.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06123 GHz	-42.70 dBm	-29.70 dB

Date: 15.JUN.2016 12:01:06

Lowest Channel / 16QAM



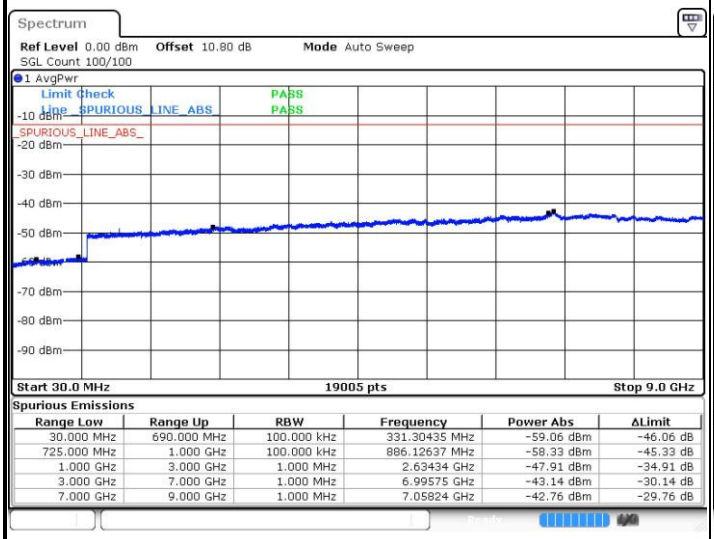
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-58.86 dBm	-45.86 dB
725.000 MHz	1.000 GHz	100.000 kHz	912.77473 MHz	-58.52 dBm	-45.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.78 dBm	-30.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99925 GHz	-43.16 dBm	-30.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.08023 GHz	-42.84 dBm	-29.84 dB

Date: 15.JUN.2016 12:02:00

LTE Band 12 / 3MHz

Middle Channel / QPSK

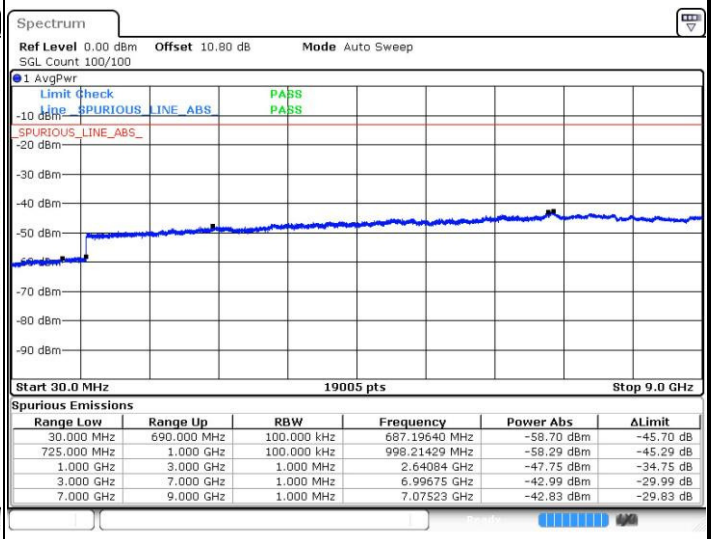


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	331.30435 MHz	-59.06 dBm	-46.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.12637 MHz	-58.33 dBm	-45.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63434 GHz	-47.91 dBm	-34.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-43.14 dBm	-30.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05824 GHz	-42.76 dBm	-29.76 dB

Date: 15.JUN.2016 12:04:31

Middle Channel / 16QAM

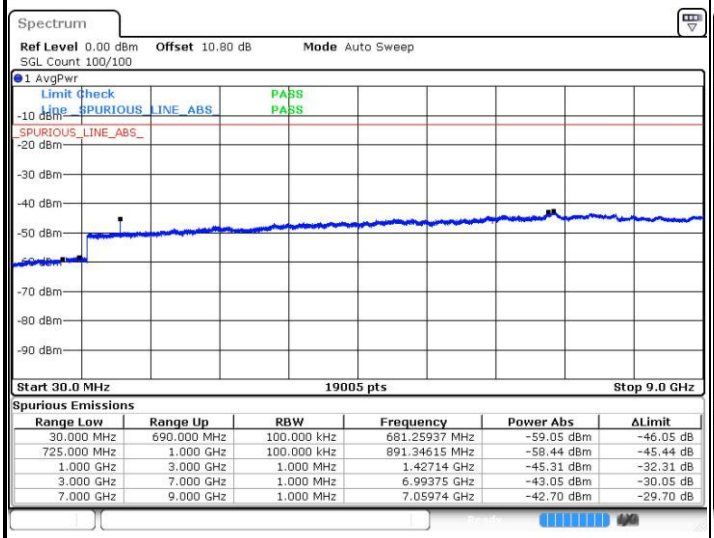


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.19640 MHz	-58.70 dBm	-45.70 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.21429 MHz	-58.29 dBm	-45.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.64084 GHz	-47.75 dBm	-34.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-42.99 dBm	-29.99 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07523 GHz	-42.83 dBm	-29.83 dB

Date: 15.JUN.2016 12:03:37

Highest Channel / QPSK

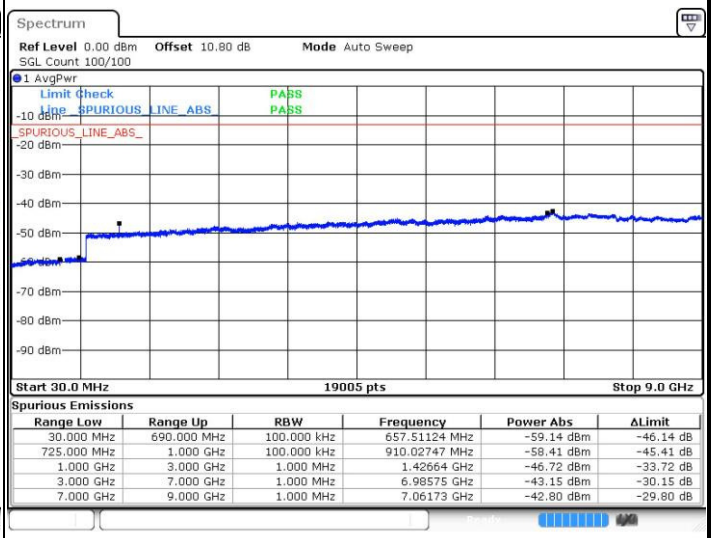


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.25937 MHz	-59.05 dBm	-46.05 dB
725.000 MHz	1.000 GHz	100.000 kHz	891.34615 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-43.05 dBm	-30.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05974 GHz	-42.70 dBm	-29.70 dB

Date: 15.JUN.2016 12:18:45

Highest Channel / 16QAM



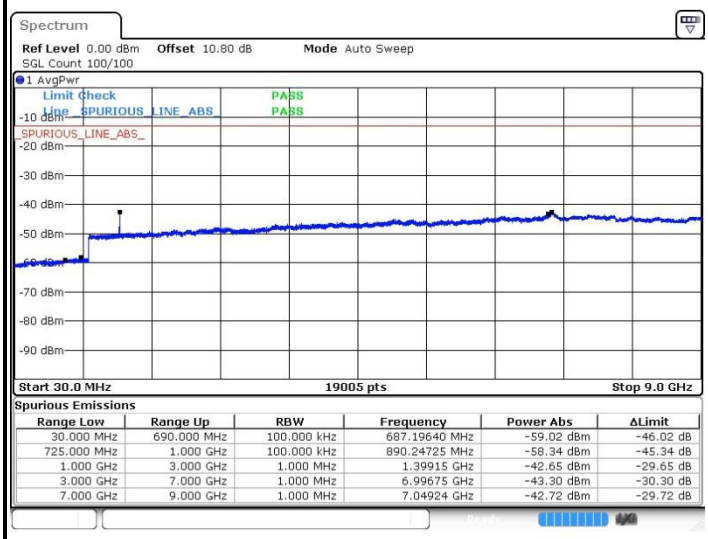
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	657.51124 MHz	-59.14 dBm	-46.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	910.02747 MHz	-58.41 dBm	-45.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-43.15 dBm	-30.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06173 GHz	-42.80 dBm	-29.80 dB

Date: 15.JUN.2016 12:19:39

LTE Band 12 / 5MHz

Lowest Channel / QPSK

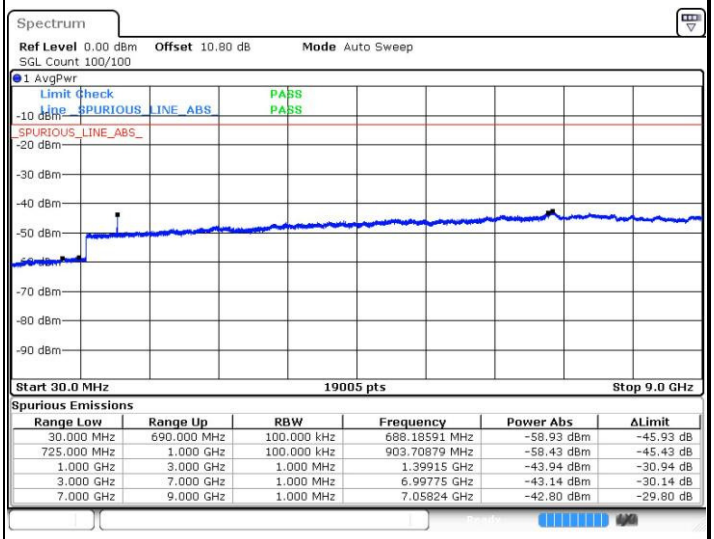


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.19640 MHz	-59.02 dBm	-46.02 dB
725.000 MHz	1.000 GHz	100.000 kHz	890.24725 MHz	-58.34 dBm	-45.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-42.65 dBm	-29.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-43.30 dBm	-30.30 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04924 GHz	-42.72 dBm	-29.72 dB

Date: 15.JUN.2016 12:34:01

Lowest Channel / 16QAM

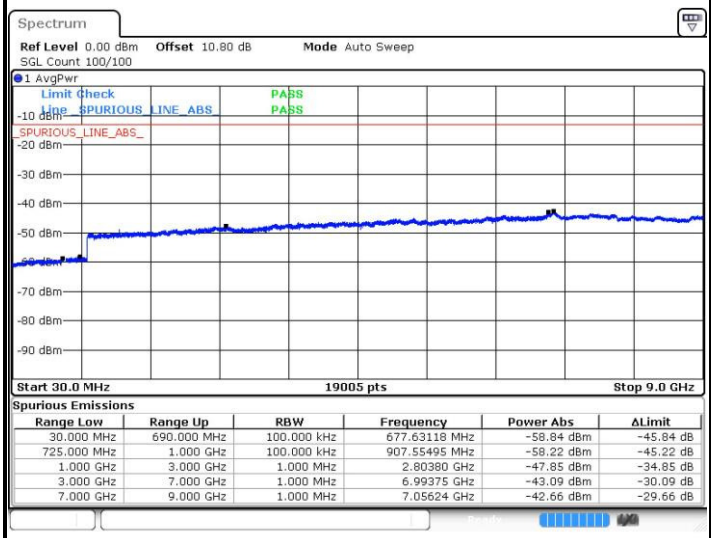


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.18591 MHz	-58.93 dBm	-45.93 dB
725.000 MHz	1.000 GHz	100.000 kHz	903.70879 MHz	-58.43 dBm	-45.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.94 dBm	-30.94 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-43.14 dBm	-30.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05824 GHz	-42.80 dBm	-29.80 dB

Date: 15.JUN.2016 12:35:04

Middle Channel / QPSK

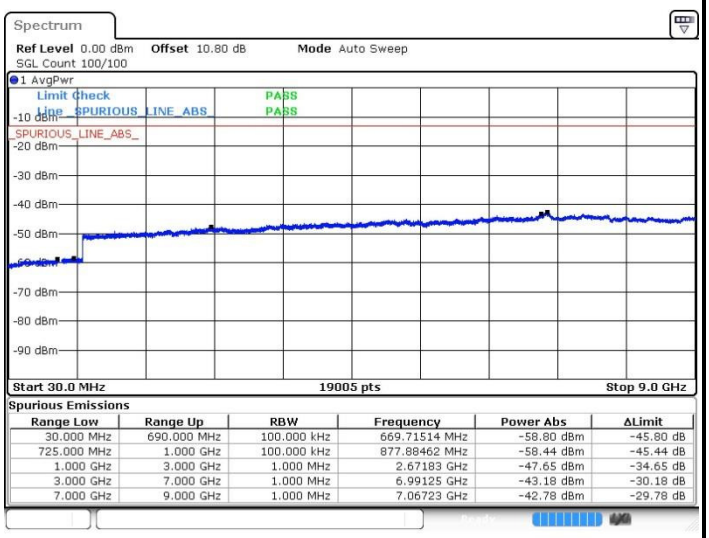


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	677.63118 MHz	-58.84 dBm	-45.84 dB
725.000 MHz	1.000 GHz	100.000 kHz	907.55495 MHz	-58.22 dBm	-45.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80380 GHz	-47.85 dBm	-34.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-43.09 dBm	-30.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05624 GHz	-42.66 dBm	-29.66 dB

Date: 15.JUN.2016 12:37:53

Middle Channel / 16QAM



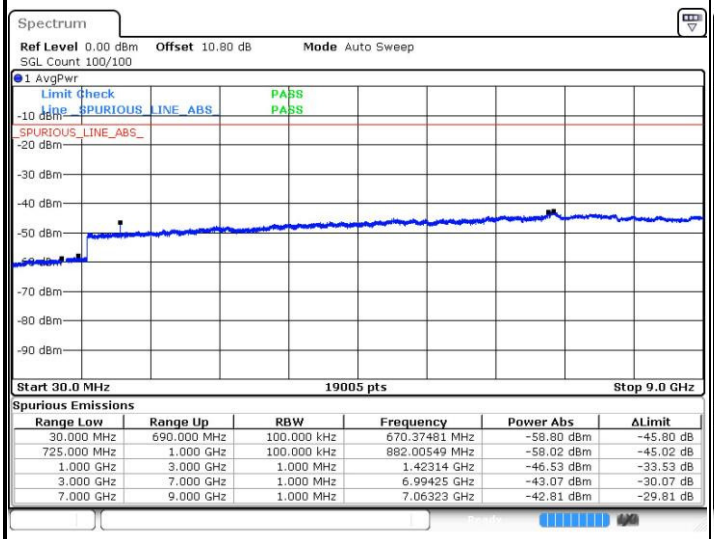
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	669.71514 MHz	-58.80 dBm	-45.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	877.88462 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.67183 GHz	-47.65 dBm	-34.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-43.18 dBm	-30.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06723 GHz	-42.78 dBm	-29.78 dB

Date: 15.JUN.2016 12:36:50

LTE Band 12 / 5MHz

Highest Channel / QPSK

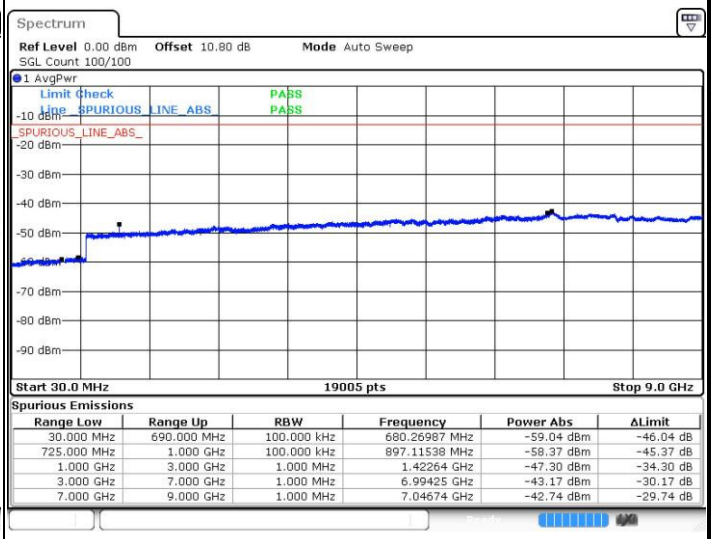


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.37481 MHz	-58.80 dBm	-45.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	882.00549 MHz	-58.02 dBm	-45.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.53 dBm	-33.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.07 dBm	-30.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06323 GHz	-42.81 dBm	-29.81 dB

Date: 15.JUN.2016 12:53:32

Highest Channel / 16QAM



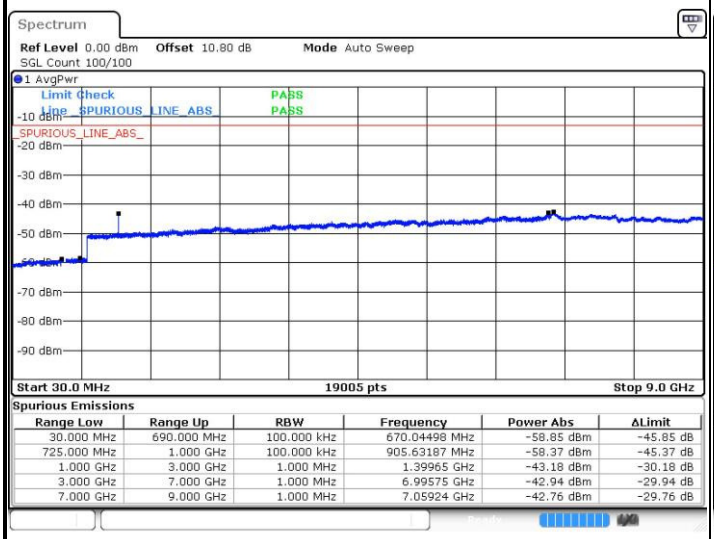
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	680.26987 MHz	-59.04 dBm	-46.04 dB
725.000 MHz	1.000 GHz	100.000 kHz	897.11538 MHz	-58.37 dBm	-45.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42264 GHz	-47.30 dBm	-34.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.17 dBm	-30.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04674 GHz	-42.74 dBm	-29.74 dB

Date: 15.JUN.2016 12:52:28

LTE Band 12 / 10MHz

Lowest Channel / QPSK

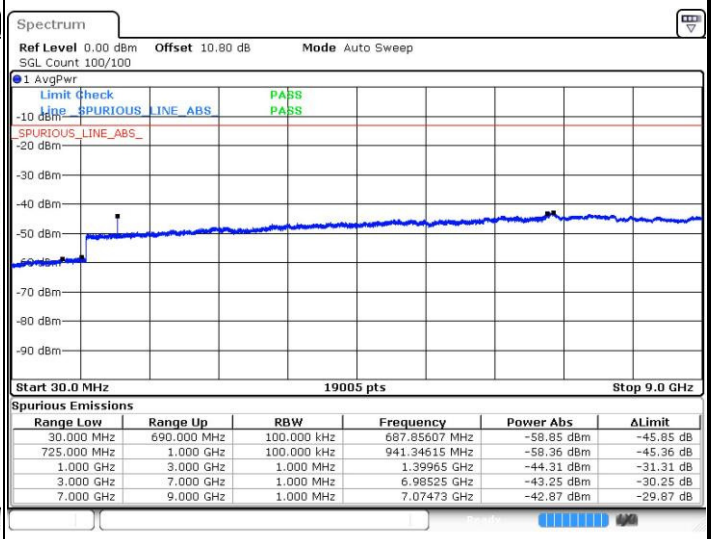


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-58.85 dBm	-45.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	905.63187 MHz	-58.37 dBm	-45.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.18 dBm	-30.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-42.94 dBm	-29.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05924 GHz	-42.76 dBm	-29.76 dB

Date: 15.JUN.2016 13:08:11

Lowest Channel / 16QAM



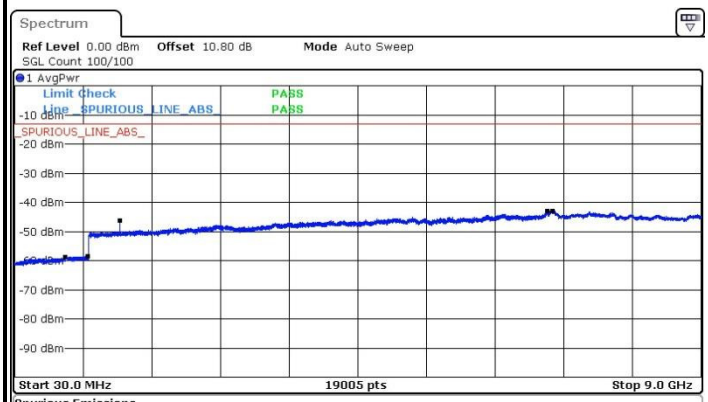
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.85607 MHz	-58.85 dBm	-45.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	941.34615 MHz	-58.36 dBm	-45.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-43.25 dBm	-30.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07473 GHz	-42.87 dBm	-29.87 dB

Date: 15.JUN.2016 13:09:14

LTE Band 12 / 10MHz

Middle Channel / QPSK

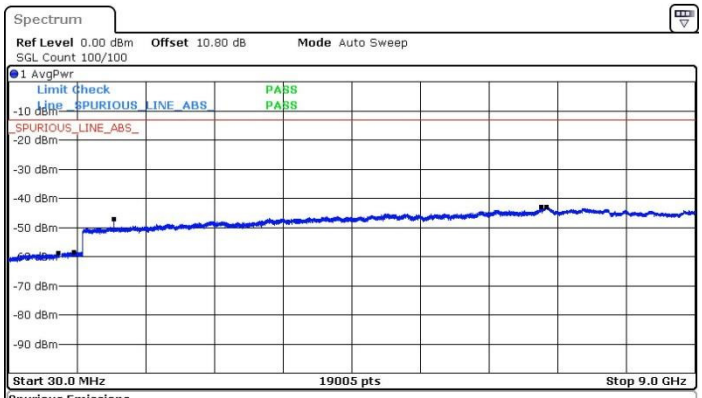


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-58.88 dBm	-45.88 dB
725.000 MHz	1.000 GHz	100.000 kHz	982.00549 MHz	-58.54 dBm	-45.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-43.08 dBm	-30.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05374 GHz	-42.87 dBm	-29.87 dB

Date: 15.JUN.2016 13:12:03

Middle Channel / 16QAM

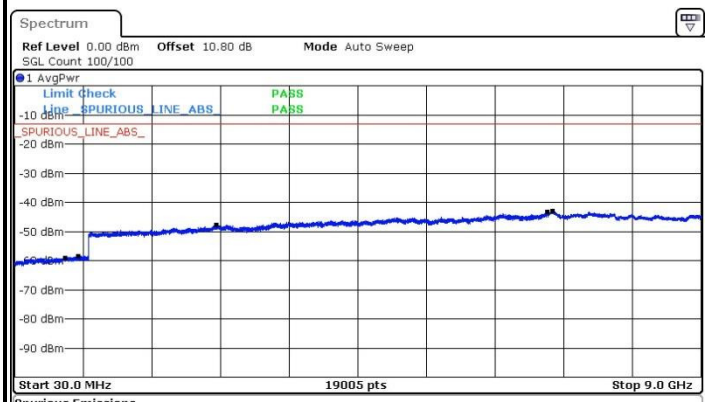


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	681.91904 MHz	-58.94 dBm	-45.94 dB
725.000 MHz	1.000 GHz	100.000 kHz	886.40110 MHz	-58.37 dBm	-45.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-47.24 dBm	-34.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-43.13 dBm	-30.13 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05424 GHz	-42.94 dBm	-29.94 dB

Date: 15.JUN.2016 13:10:59

Highest Channel / QPSK

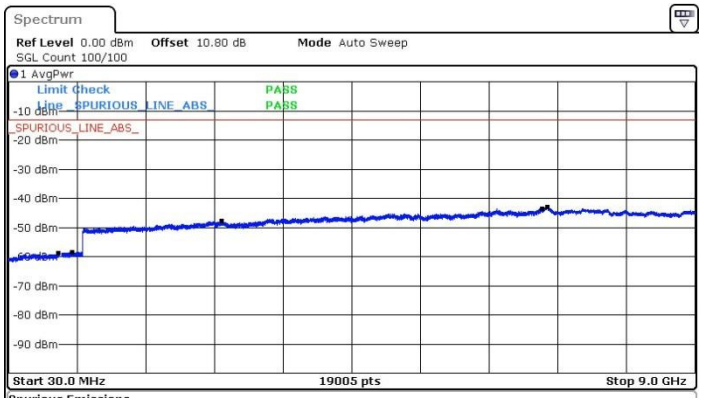


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	687.52624 MHz	-59.01 dBm	-46.01 dB
725.000 MHz	1.000 GHz	100.000 kHz	864.14835 MHz	-58.46 dBm	-45.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.66933 GHz	-47.76 dBm	-34.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-43.39 dBm	-30.39 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05474 GHz	-42.91 dBm	-29.91 dB

Date: 15.JUN.2016 13:26:40

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.57871 MHz	-58.90 dBm	-45.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	860.02747 MHz	-58.38 dBm	-45.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.80830 GHz	-47.72 dBm	-34.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-43.56 dBm	-30.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06973 GHz	-42.85 dBm	-29.85 dB

Date: 15.JUN.2016 13:27:42

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	0.0001	PASS
40	Normal Voltage	0.0113	
30	Normal Voltage	0.0107	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0116	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.9 V. ；Battery End Point (BEP) = 3.4 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

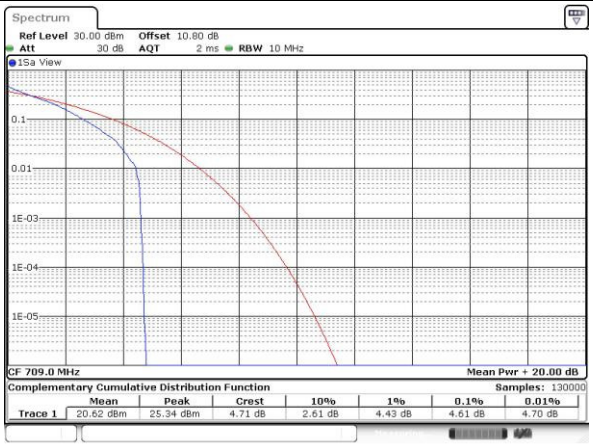
LTE Band 17

Peak-to-Average Ratio

Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.61	4.72	5.65	5.77	PASS
Middle CH	4.72	4.67	5.59	5.77	
Highest CH	4.81	4.72	5.51	5.65	

LTE Band 17 / 10MHz / QPSK

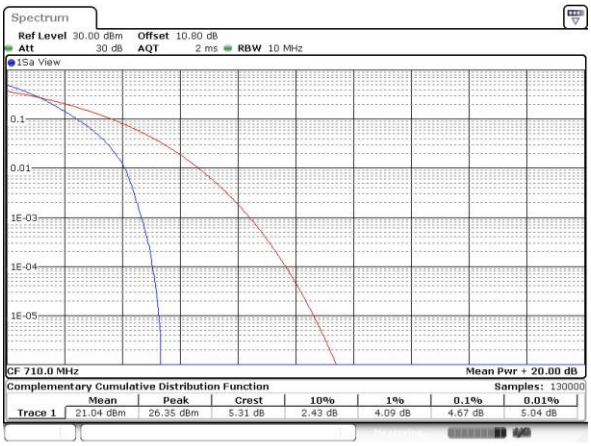
Lowest Channel / 1RB



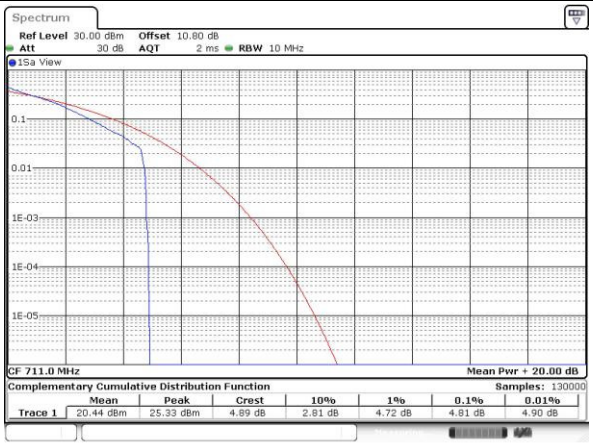
Lowest Channel / Full RB

Middle Channel/ 1RB

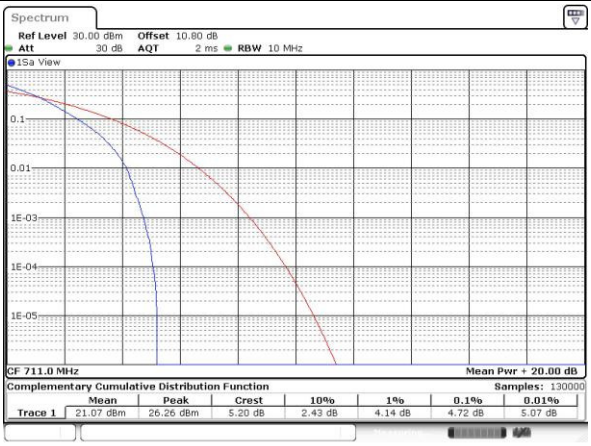
Middle Channel / Full RB



Highest Channel/ 1RB

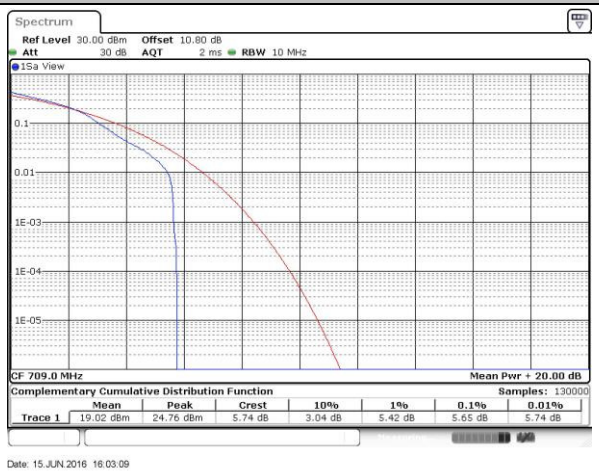


Highest Channel / Full RB

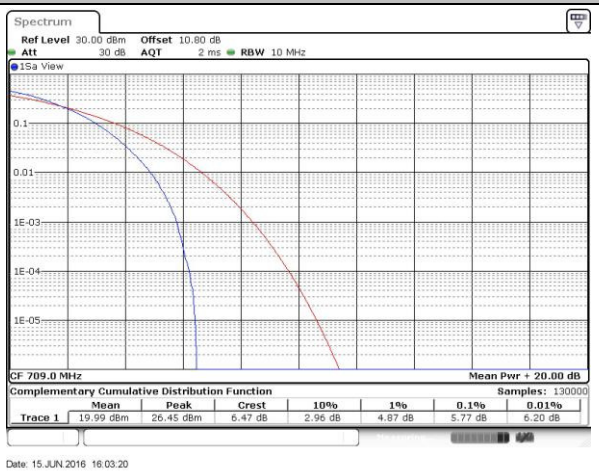


LTE Band 17 / 10MHz / 16QAM

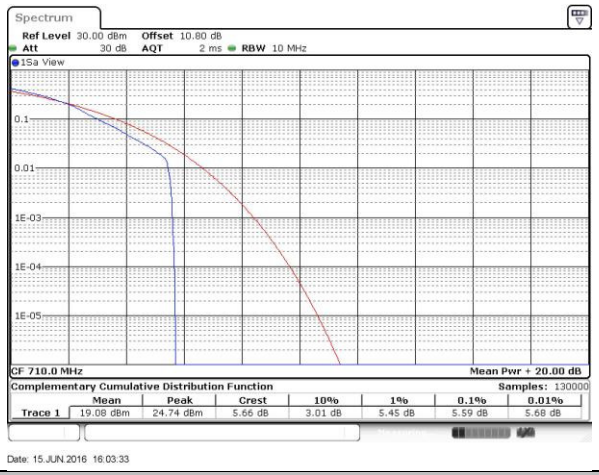
Lowest Channel / 1RB



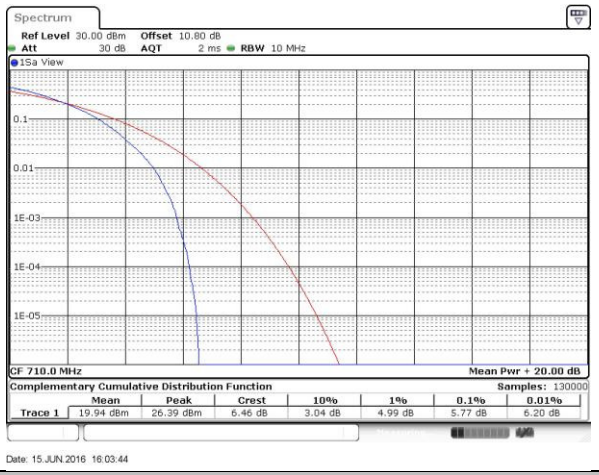
Lowest Channel / Full RB



Middle Channel/ 1RB

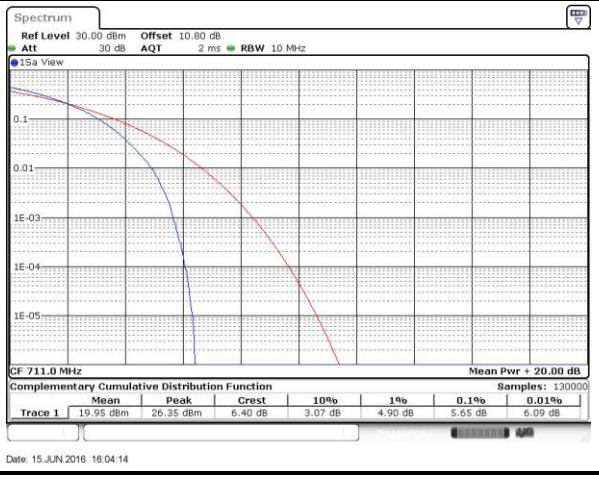


Middle Channel / Full RB



Highest Channel/ 1RB

Highest Channel / Full RB

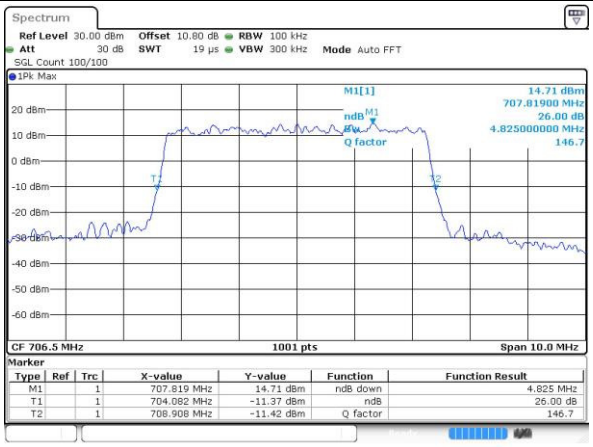


26dB Bandwidth

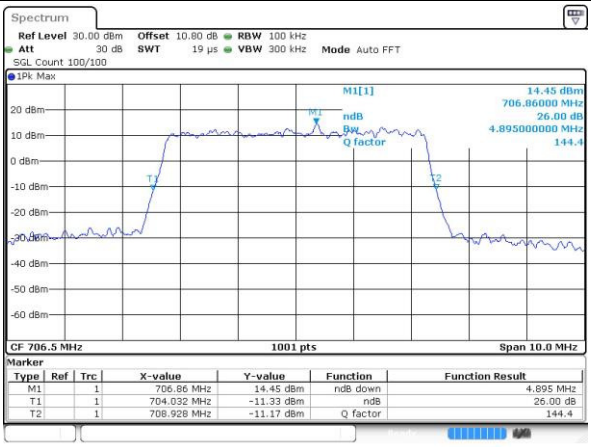
Mode	LTE Band 17 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.83	4.90	9.79	9.87	-	-	-	-
Middle CH	-	-	-	-	4.88	4.86	9.63	9.79	-	-	-	-
Highest CH	-	-	-	-	4.89	4.95	9.63	9.77	-	-	-	-

LTE Band 17

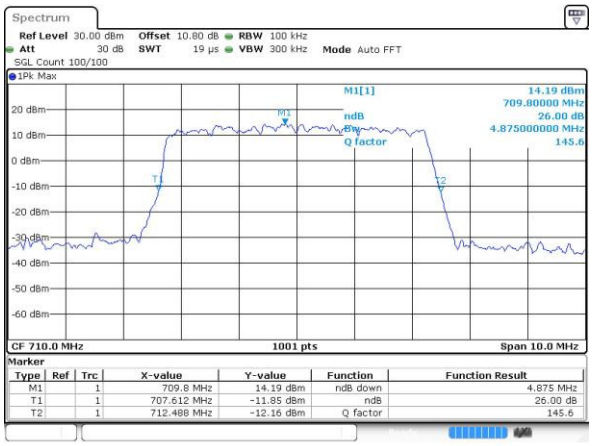
Lowest Channel / 5MHz / QPSK



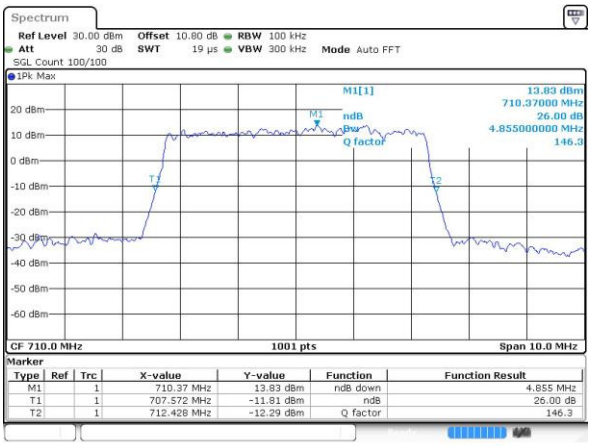
Lowest Channel / 5MHz / 16QAM



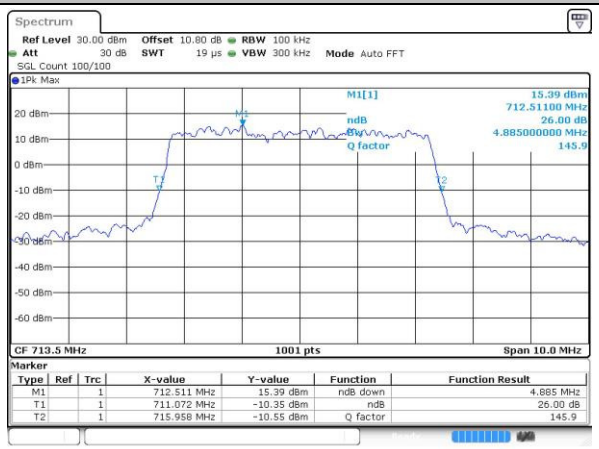
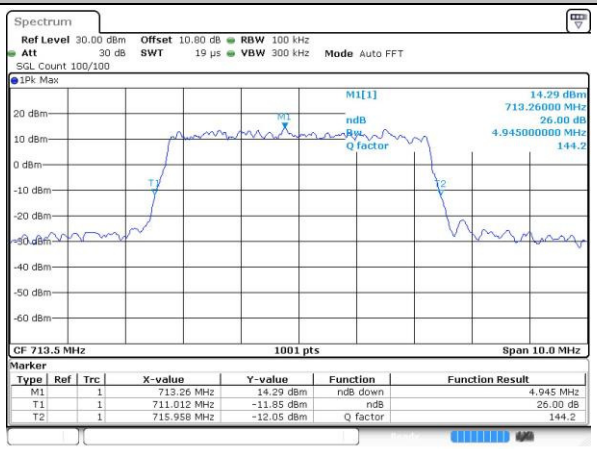
Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM