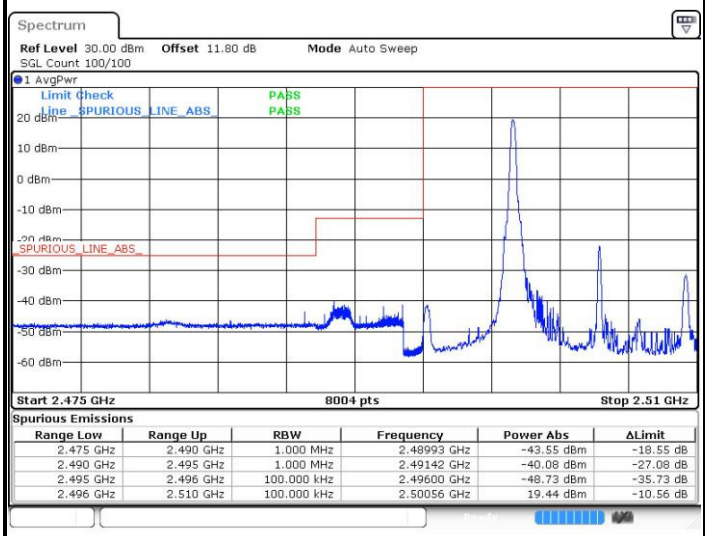
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

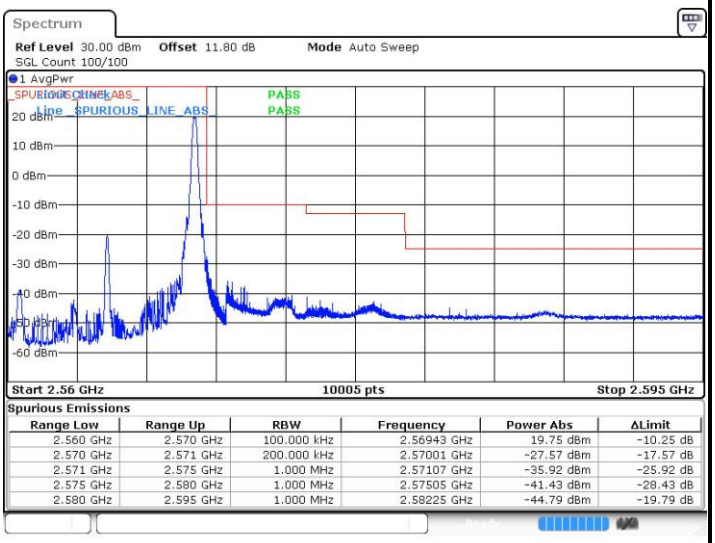


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48993 GHz	-43.55 dBm	-18.55 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49142 GHz	-40.08 dBm	-27.08 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-48.73 dBm	-35.73 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50056 GHz	19.44 dBm	-10.56 dB

Date: 14.APR.2016 16:41:57

Highest Band Edge / 1 RB

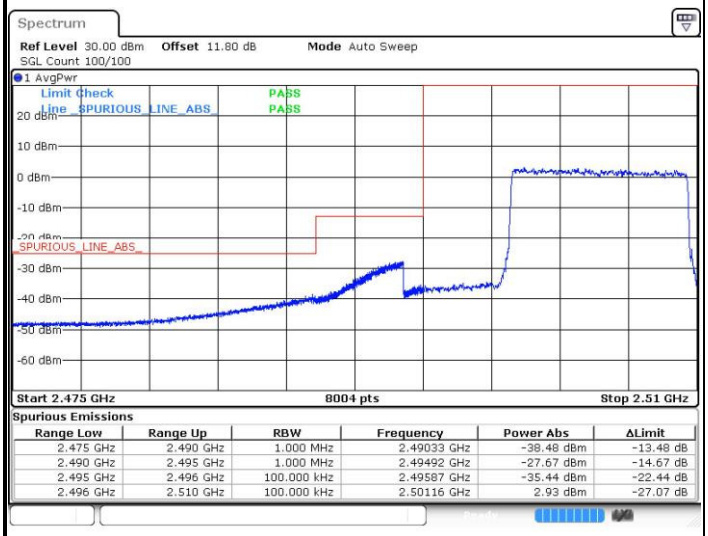


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56943 GHz	19.75 dBm	-10.25 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-27.57 dBm	-17.57 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57107 GHz	-35.92 dBm	-25.92 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57505 GHz	-41.43 dBm	-28.43 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58225 GHz	-44.79 dBm	-19.79 dB

Date: 14.APR.2016 16:51:40

Lowest Band Edge / Full RB

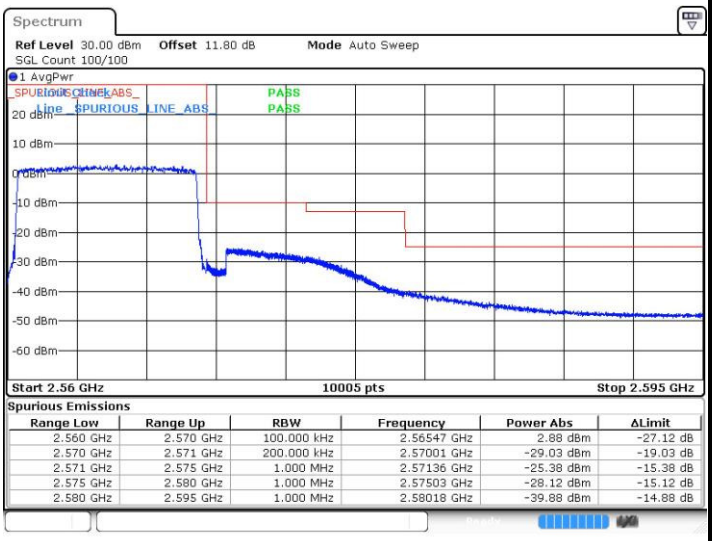


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-38.48 dBm	-13.48 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49492 GHz	-27.67 dBm	-14.67 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49587 GHz	-35.44 dBm	-22.44 dB
2.496 GHz	2.510 GHz	100.000 kHz	2.50116 GHz	2.93 dBm	-27.07 dB

Date: 14.APR.2016 16:44:17

Highest Band Edge / Full RB



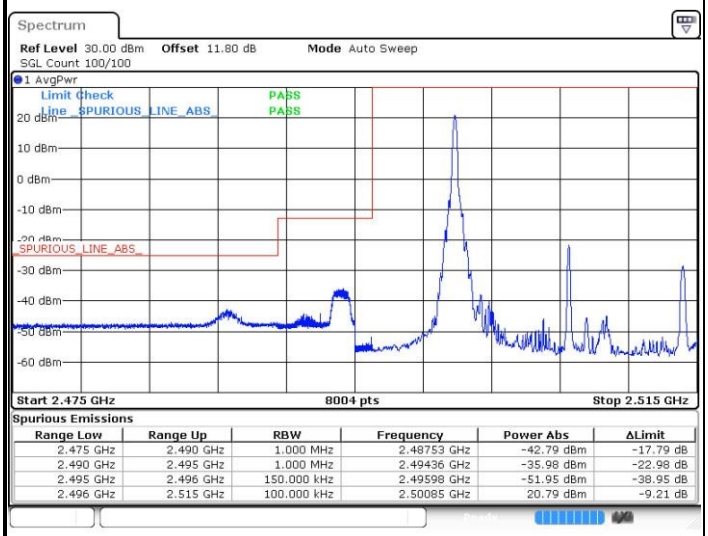
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56547 GHz	2.88 dBm	-27.12 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-29.03 dBm	-19.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57136 GHz	-25.38 dBm	-15.38 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57503 GHz	-28.12 dBm	-15.12 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58018 GHz	-39.88 dBm	-14.88 dB

Date: 14.APR.2016 16:54:00

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

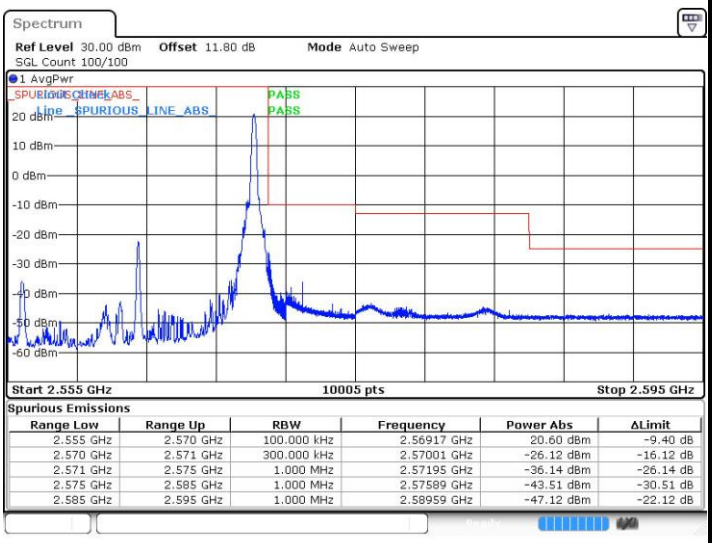


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48753 GHz	-42.79 dBm	-17.79 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49436 GHz	-35.98 dBm	-22.98 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49598 GHz	-51.95 dBm	-38.95 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50085 GHz	20.79 dBm	-9.21 dB

Date: 14.APR.2016 16:57:42

Highest Band Edge / 1 RB

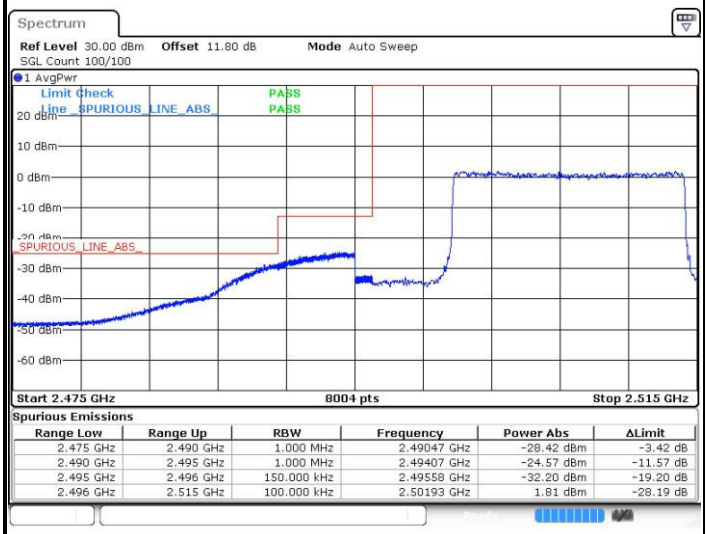


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	20.60 dBm	-9.40 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-26.12 dBm	-16.12 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57195 GHz	-36.14 dBm	-26.14 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57589 GHz	-43.51 dBm	-30.51 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58959 GHz	-47.12 dBm	-22.12 dB

Date: 14.APR.2016 17:26:14

Lowest Band Edge / Full RB

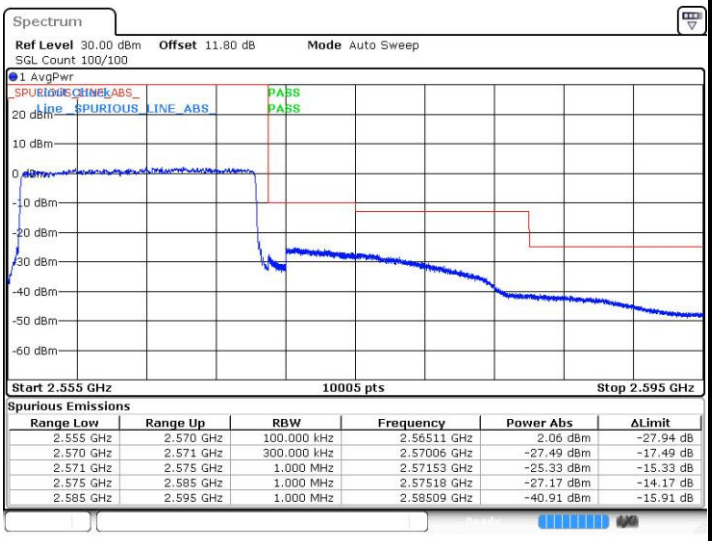


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-28.42 dBm	-3.42 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49407 GHz	-24.57 dBm	-11.57 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49558 GHz	-32.20 dBm	-19.20 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50193 GHz	1.81 dBm	-28.19 dB

Date: 14.APR.2016 17:00:02

Highest Band Edge / Full RB



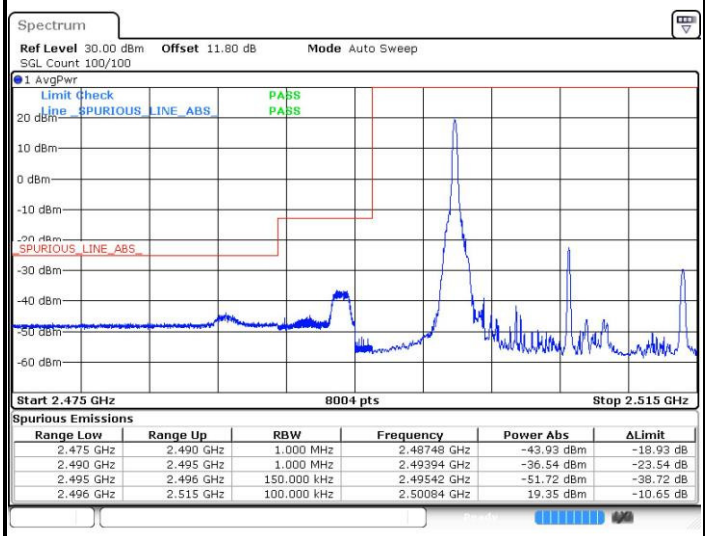
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56511 GHz	2.06 dBm	-27.94 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57006 GHz	-27.49 dBm	-17.49 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57153 GHz	-25.33 dBm	-15.33 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57518 GHz	-27.17 dBm	-14.17 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58509 GHz	-40.91 dBm	-15.91 dB

Date: 14.APR.2016 17:28:34

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

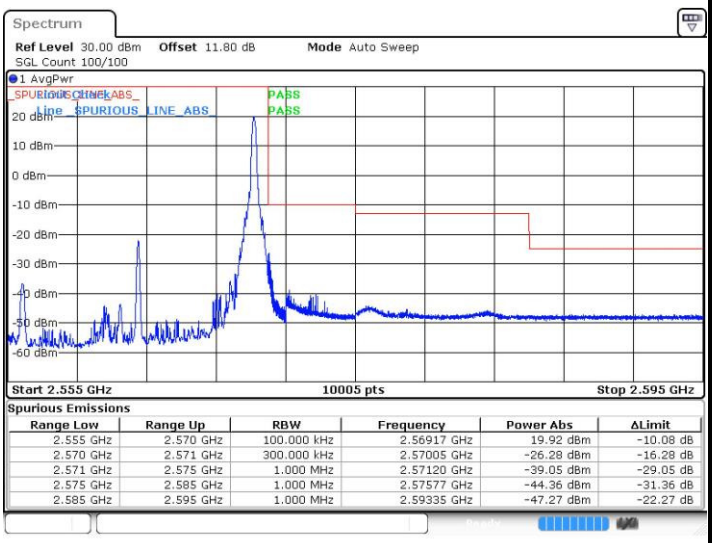


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48748 GHz	-43.93 dBm	-18.93 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49394 GHz	-36.54 dBm	-23.54 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49542 GHz	-51.72 dBm	-38.72 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	19.35 dBm	-10.65 dB

Date: 14.APR.2016 16:58:52

Highest Band Edge / 1 RB

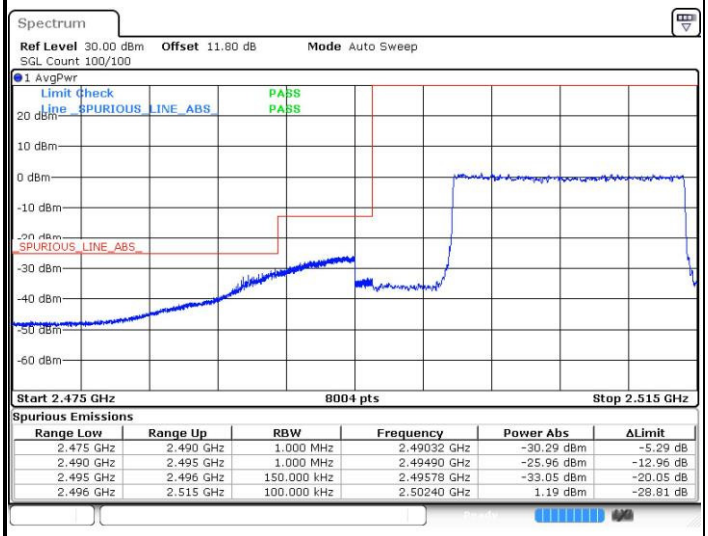


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56917 GHz	19.92 dBm	-10.08 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57005 GHz	-26.28 dBm	-16.28 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57120 GHz	-39.05 dBm	-29.05 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57577 GHz	-44.36 dBm	-31.36 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.59335 GHz	-47.27 dBm	-22.27 dB

Date: 14.APR.2016 17:27:24

Lowest Band Edge / Full RB

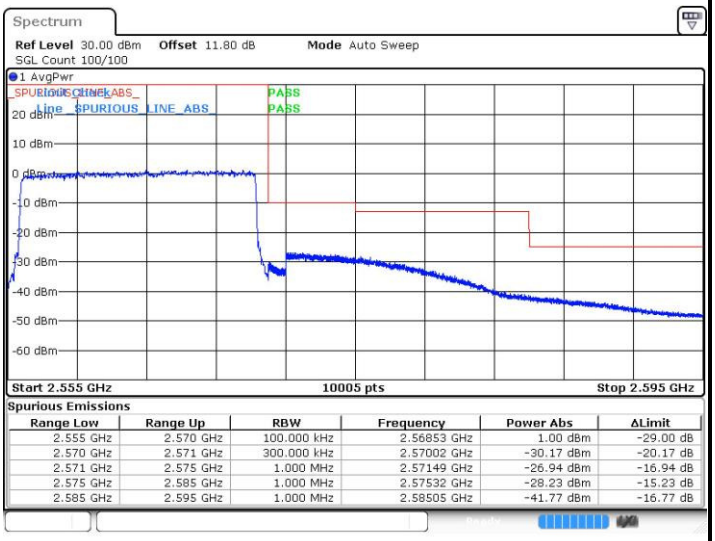


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49032 GHz	-30.29 dBm	-5.29 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49490 GHz	-25.96 dBm	-12.96 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49578 GHz	-33.05 dBm	-20.05 dB
2.496 GHz	2.515 GHz	100.000 kHz	2.50240 GHz	1.19 dBm	-28.81 dB

Date: 14.APR.2016 17:01:11

Highest Band Edge / Full RB



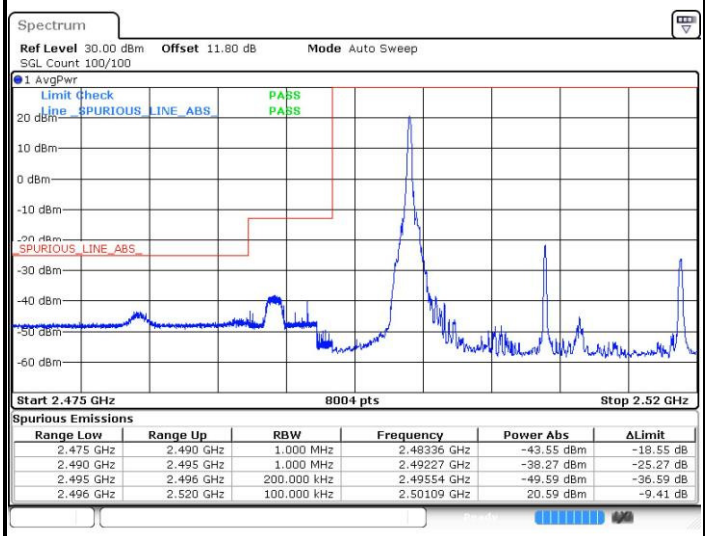
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56853 GHz	1.00 dBm	-29.00 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57002 GHz	-30.17 dBm	-20.17 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57149 GHz	-26.94 dBm	-16.94 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57532 GHz	-28.23 dBm	-15.23 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58505 GHz	-41.77 dBm	-16.77 dB

Date: 14.APR.2016 17:29:44

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

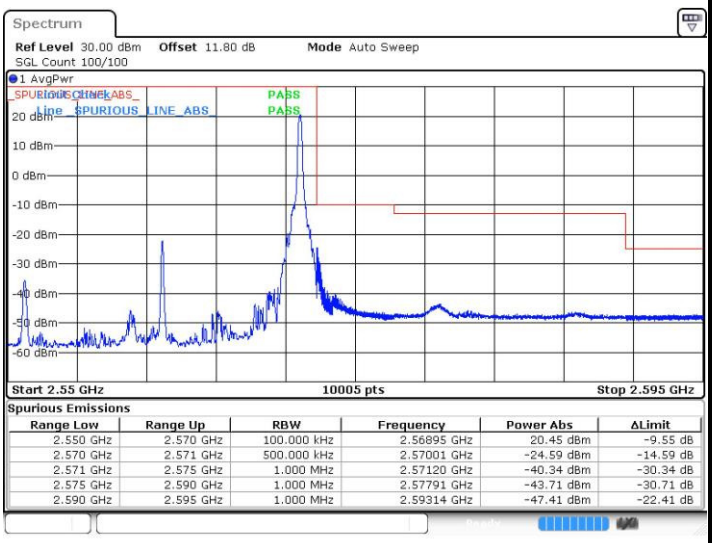


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48336 GHz	-43.55 dBm	-18.55 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49227 GHz	-38.27 dBm	-25.27 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49554 GHz	-49.59 dBm	-36.59 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	20.59 dBm	-9.41 dB

Date: 14.APR.2016 17:33:25

Highest Band Edge / 1 RB

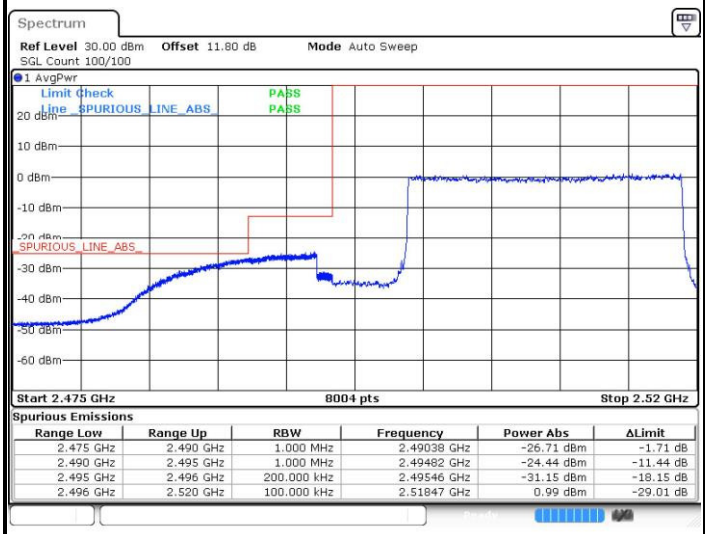


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56895 GHz	20.45 dBm	-9.55 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-24.59 dBm	-14.59 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57120 GHz	-40.34 dBm	-30.34 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57791 GHz	-43.71 dBm	-30.71 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59314 GHz	-47.41 dBm	-22.41 dB

Date: 14.APR.2016 17:43:08

Lowest Band Edge / Full RB

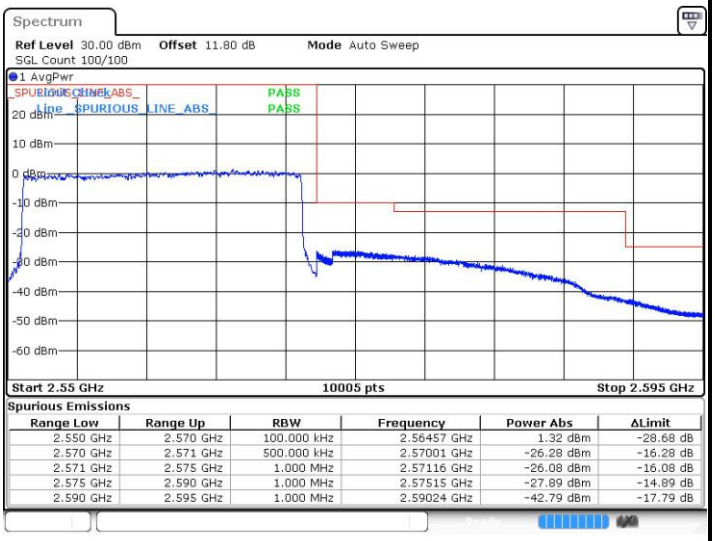


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49038 GHz	-26.71 dBm	-1.71 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49482 GHz	-24.44 dBm	-11.44 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49546 GHz	-31.15 dBm	-18.15 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.51847 GHz	0.99 dBm	-29.01 dB

Date: 14.APR.2016 17:35:45

Highest Band Edge / Full RB



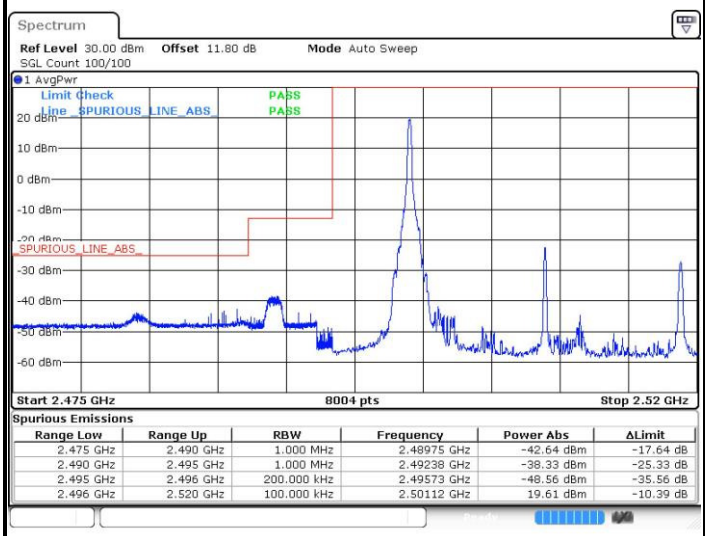
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56457 GHz	1.32 dBm	-28.68 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-26.28 dBm	-16.28 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57116 GHz	-26.08 dBm	-16.08 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57515 GHz	-27.89 dBm	-14.89 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59024 GHz	-42.79 dBm	-17.79 dB

Date: 14.APR.2016 17:46:38

LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

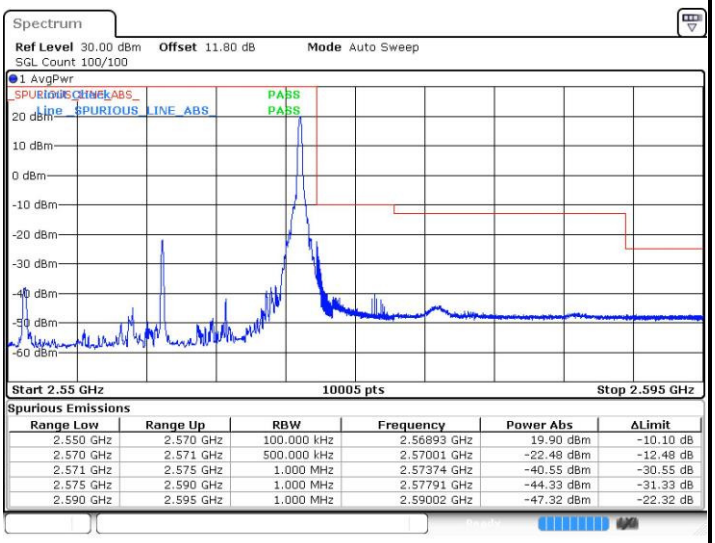


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-42.64 dBm	-17.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49238 GHz	-38.33 dBm	-25.33 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49573 GHz	-48.56 dBm	-35.56 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.50112 GHz	19.61 dBm	-10.39 dB

Date: 14.APR.2016 17:34:35

Highest Band Edge / 1RB

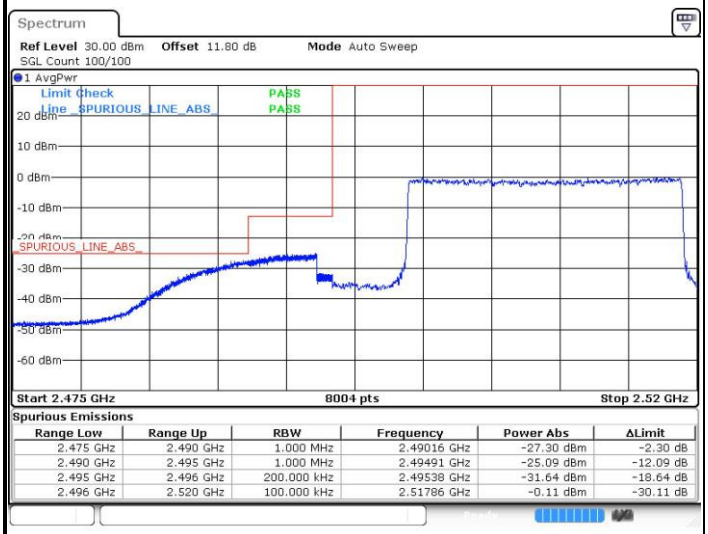


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	19.90 dBm	-10.10 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-22.48 dBm	-12.48 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57374 GHz	-40.55 dBm	-30.55 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57791 GHz	-44.33 dBm	-31.33 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59002 GHz	-47.32 dBm	-22.32 dB

Date: 14.APR.2016 17:44:18

Lowest Band Edge / Full RB

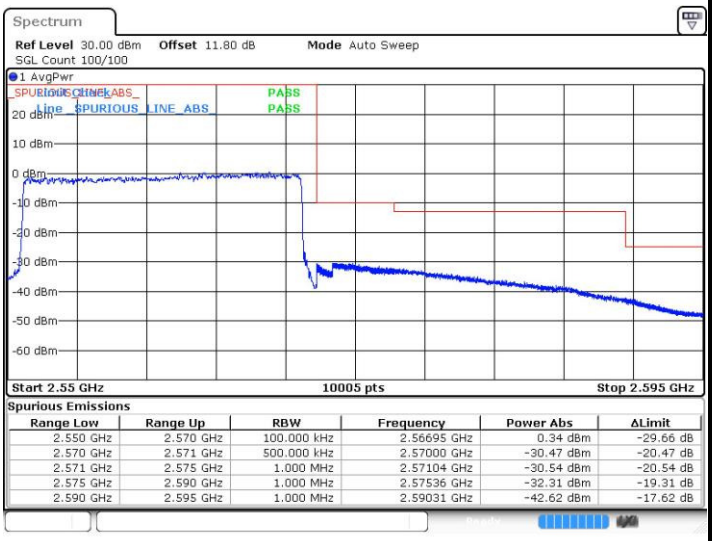


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49016 GHz	-27.30 dBm	-2.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-25.09 dBm	-12.09 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49538 GHz	-31.64 dBm	-18.64 dB
2.496 GHz	2.520 GHz	100.000 kHz	2.51786 GHz	-0.11 dBm	-30.11 dB

Date: 14.APR.2016 17:36:55

Highest Band Edge / Full RB



Spurious Emissions

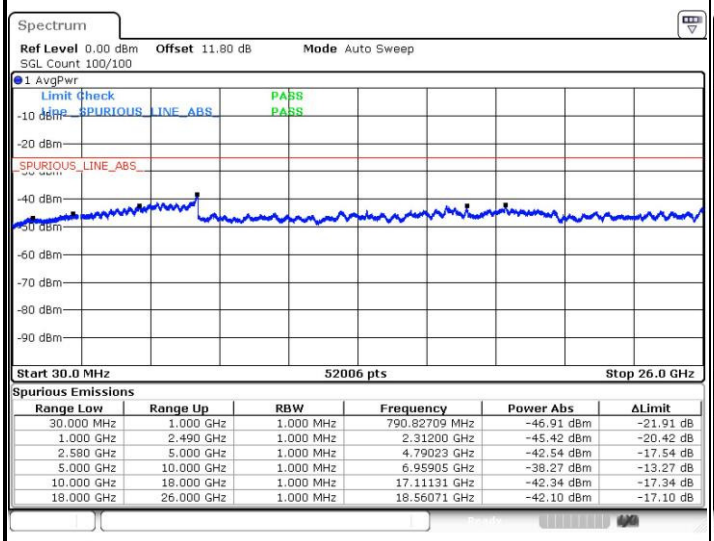
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56695 GHz	0.34 dBm	-29.66 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57000 GHz	-30.47 dBm	-20.47 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-30.54 dBm	-20.54 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57536 GHz	-32.31 dBm	-19.31 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59031 GHz	-42.62 dBm	-17.62 dB

Date: 14.APR.2016 17:45:28

Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

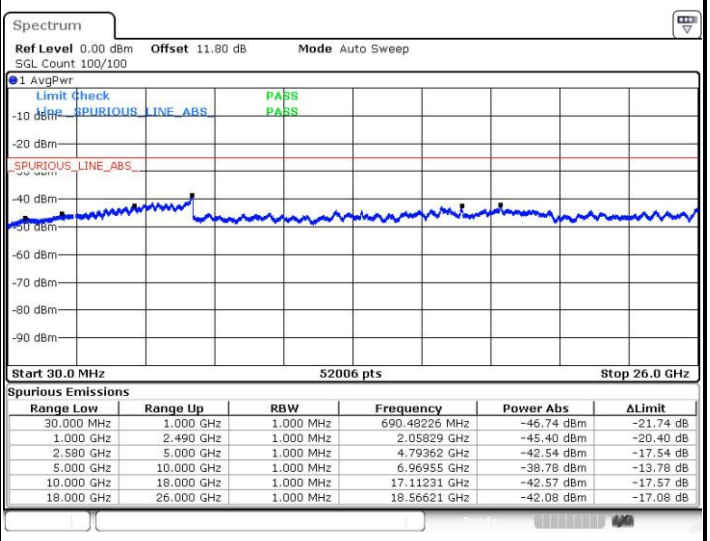


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	790.82709 MHz	-46.91 dBm	-21.91 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31200 GHz	-45.42 dBm	-20.42 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79023 GHz	-42.54 dBm	-17.54 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95905 GHz	-38.27 dBm	-13.27 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11131 GHz	-42.34 dBm	-17.34 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56071 GHz	-42.10 dBm	-17.10 dB

Date: 16.APR.2016 09:40:09

Lowest Channel / 16QAM

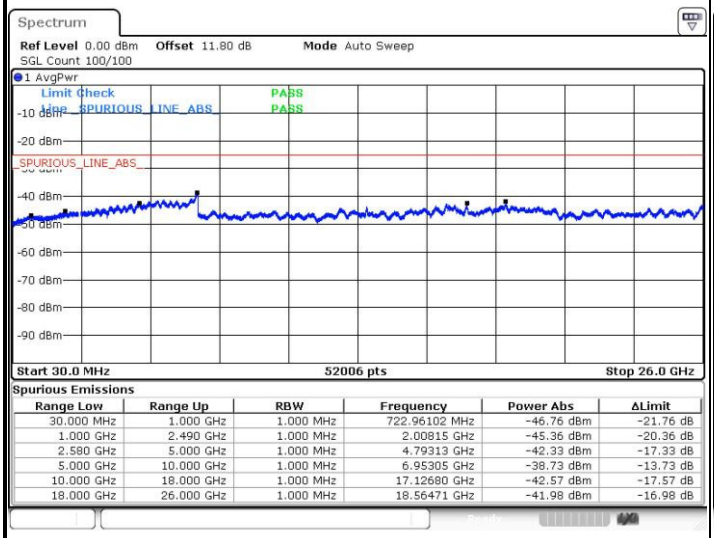


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	690.48226 MHz	-46.74 dBm	-21.74 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.05829 GHz	-45.40 dBm	-20.40 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79362 GHz	-42.54 dBm	-17.54 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96955 GHz	-38.78 dBm	-13.78 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11231 GHz	-42.57 dBm	-17.57 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56621 GHz	-42.08 dBm	-17.08 dB

Date: 16.APR.2016 09:41:07

Middle Channel / QPSK

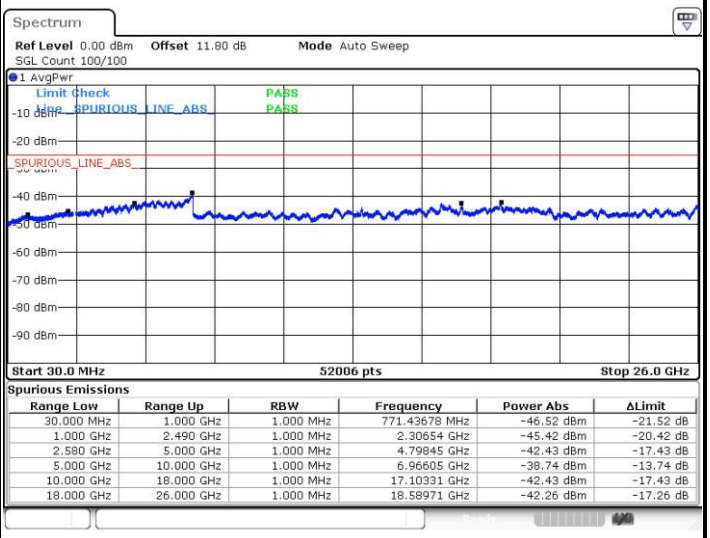


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	722.96102 MHz	-46.76 dBm	-21.76 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.00815 GHz	-45.36 dBm	-20.36 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79313 GHz	-42.33 dBm	-17.33 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95305 GHz	-38.73 dBm	-13.73 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.12680 GHz	-42.57 dBm	-17.57 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56471 GHz	-41.98 dBm	-16.98 dB

Date: 16.APR.2016 09:42:05

Middle Channel / 16QAM



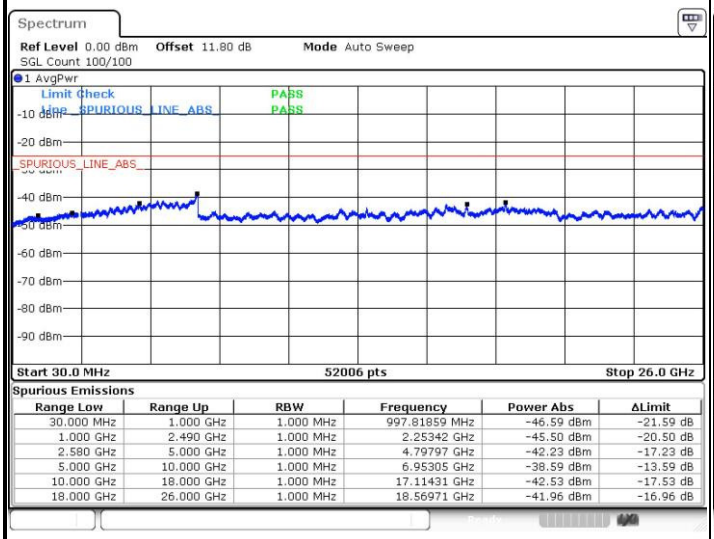
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	771.43678 MHz	-46.52 dBm	-21.52 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30654 GHz	-45.42 dBm	-20.42 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79845 GHz	-42.43 dBm	-17.43 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96605 GHz	-38.74 dBm	-13.74 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10331 GHz	-42.43 dBm	-17.43 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.58971 GHz	-42.26 dBm	-17.26 dB

Date: 16.APR.2016 09:43:02

LTE Band 7 / 5MHz

Highest Channel / QPSK

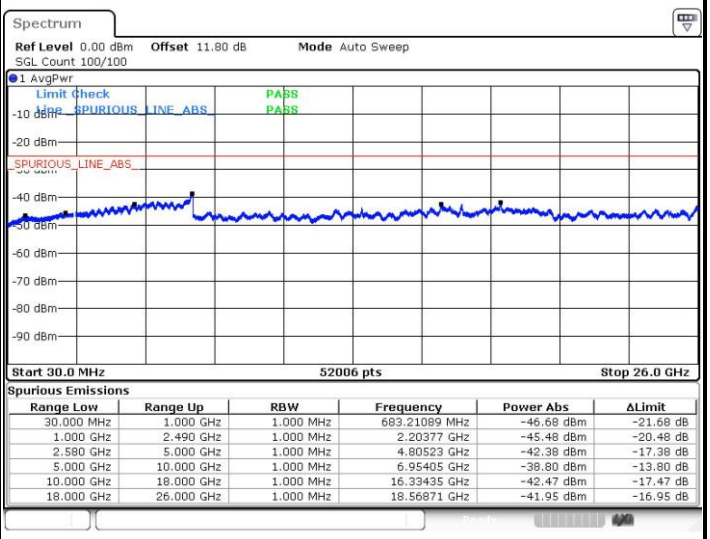


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-46.59 dBm	-21.59 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.25342 GHz	-45.50 dBm	-20.50 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79797 GHz	-42.23 dBm	-17.23 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95305 GHz	-38.59 dBm	-13.59 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11431 GHz	-42.53 dBm	-17.53 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56971 GHz	-41.96 dBm	-16.96 dB

Date: 16.APR.2016 09:44:00

Highest Channel / 16QAM



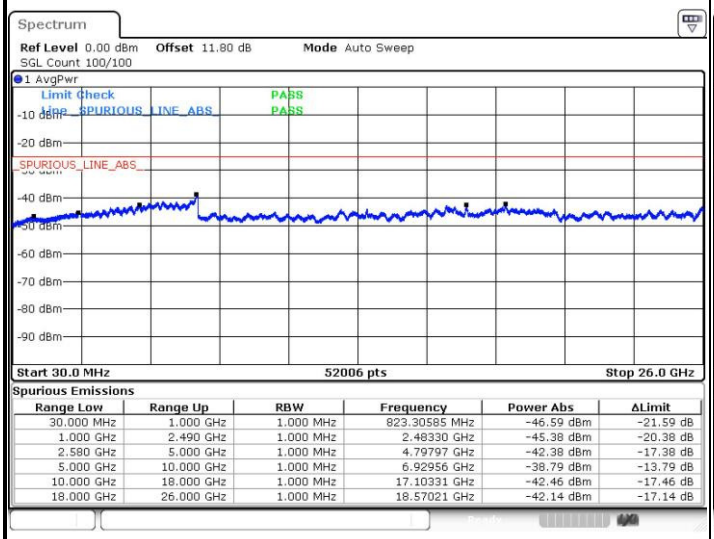
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	683.21089 MHz	-46.68 dBm	-21.68 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.20377 GHz	-45.48 dBm	-20.48 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80523 GHz	-42.38 dBm	-17.38 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95405 GHz	-38.80 dBm	-13.80 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33435 GHz	-42.47 dBm	-17.47 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56871 GHz	-41.95 dBm	-16.95 dB

Date: 16.APR.2016 09:44:58

LTE Band 7 / 10MHz

Lowest Channel / QPSK

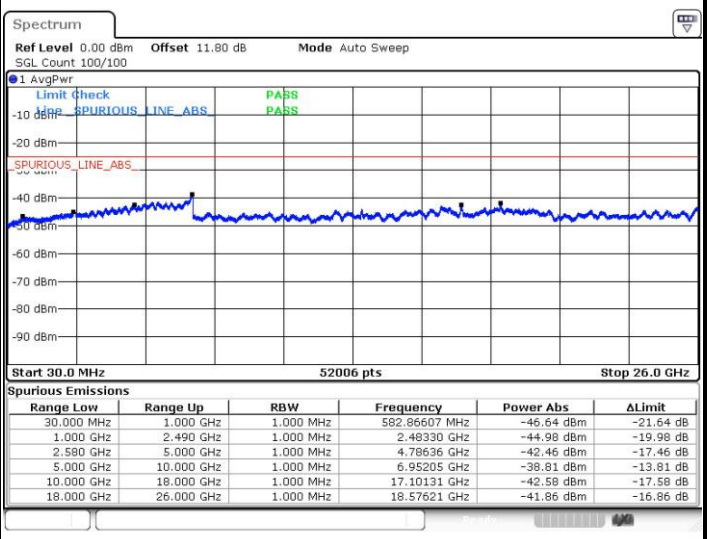


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	823.30585 MHz	-46.59 dBm	-21.59 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-45.38 dBm	-20.38 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79797 GHz	-42.38 dBm	-17.38 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92956 GHz	-38.79 dBm	-13.79 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10331 GHz	-42.46 dBm	-17.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57021 GHz	-42.14 dBm	-17.14 dB

Date: 16.APR.2016 09:45:55

Lowest Channel / 16QAM



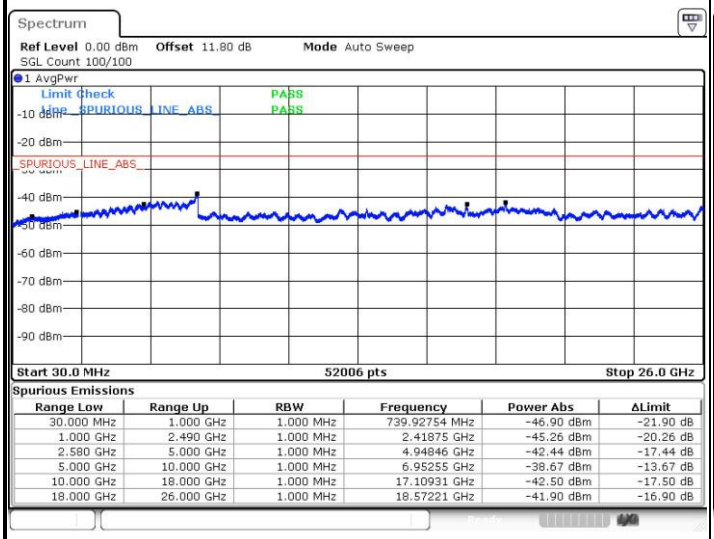
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	582.86607 MHz	-46.64 dBm	-21.64 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48330 GHz	-44.98 dBm	-19.98 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78636 GHz	-42.46 dBm	-17.46 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95205 GHz	-38.81 dBm	-13.81 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10131 GHz	-42.58 dBm	-17.58 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57621 GHz	-41.86 dBm	-16.86 dB

Date: 16.APR.2016 09:46:53

LTE Band 7 / 10MHz

Middle Channel / QPSK

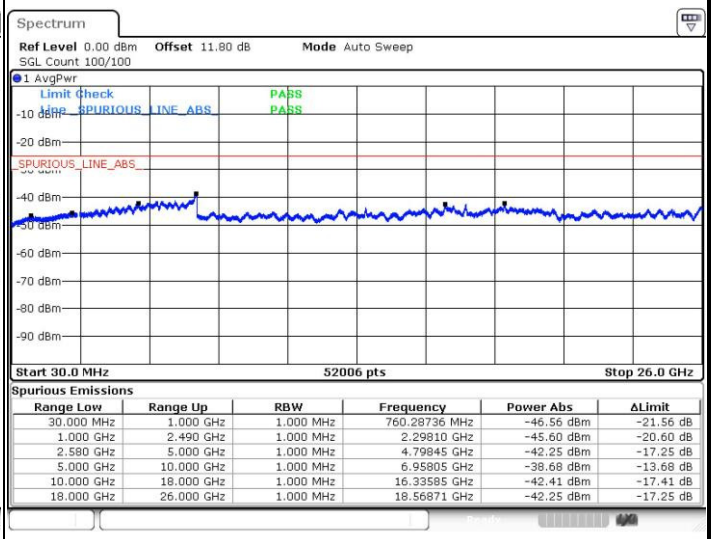


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	739.92754 MHz	-46.90 dBm	-21.90 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.41875 GHz	-45.26 dBm	-20.26 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94846 GHz	-42.44 dBm	-17.44 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95255 GHz	-38.67 dBm	-13.67 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10931 GHz	-42.50 dBm	-17.50 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57221 GHz	-41.90 dBm	-16.90 dB

Date: 16.APR.2016 09:47:51

Middle Channel / 16QAM

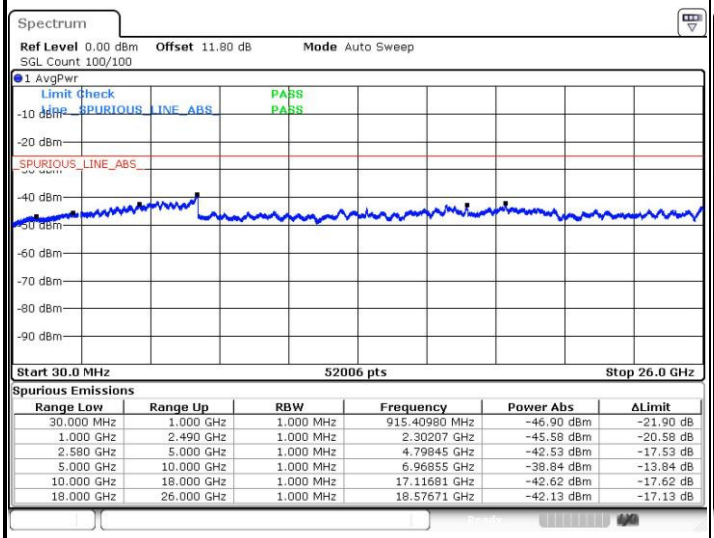


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	760.28736 MHz	-46.56 dBm	-21.56 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.29810 GHz	-45.60 dBm	-20.60 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79845 GHz	-42.25 dBm	-17.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95805 GHz	-38.68 dBm	-13.68 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.33585 GHz	-42.41 dBm	-17.41 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56871 GHz	-42.25 dBm	-17.25 dB

Date: 16.APR.2016 09:48:49

Highest Channel / QPSK

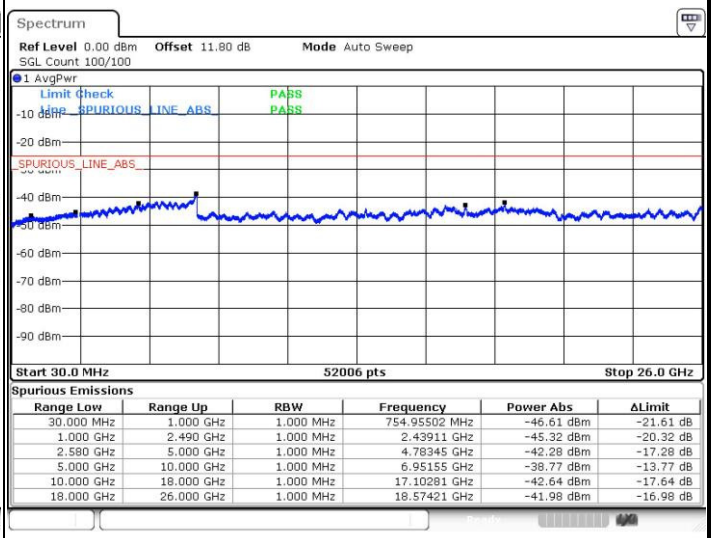


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-46.90 dBm	-21.90 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.30207 GHz	-45.58 dBm	-20.58 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79845 GHz	-42.53 dBm	-17.53 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96855 GHz	-38.84 dBm	-13.84 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11681 GHz	-42.62 dBm	-17.62 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57671 GHz	-42.13 dBm	-17.13 dB

Date: 16.APR.2016 09:49:46

Highest Channel / 16QAM



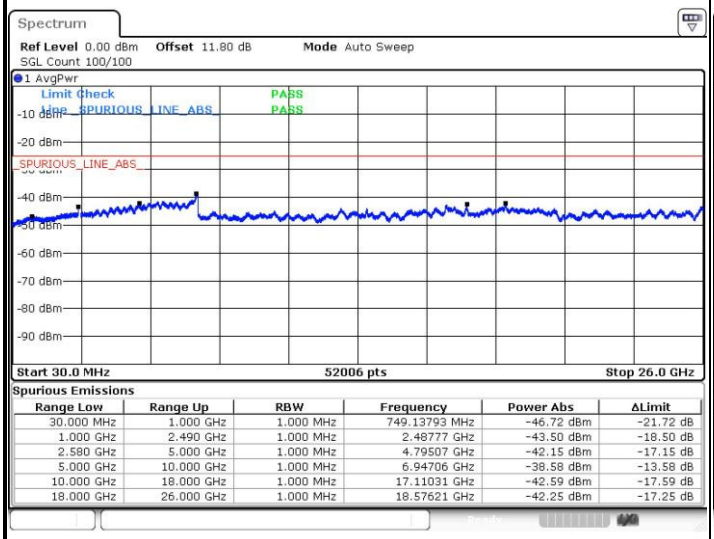
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	754.95502 MHz	-46.61 dBm	-21.61 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.43911 GHz	-45.32 dBm	-20.32 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.78345 GHz	-42.28 dBm	-17.28 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95155 GHz	-38.77 dBm	-13.77 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10281 GHz	-42.64 dBm	-17.64 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57421 GHz	-41.98 dBm	-16.98 dB

Date: 16.APR.2016 09:50:44

LTE Band 7 / 15MHz

Lowest Channel / QPSK

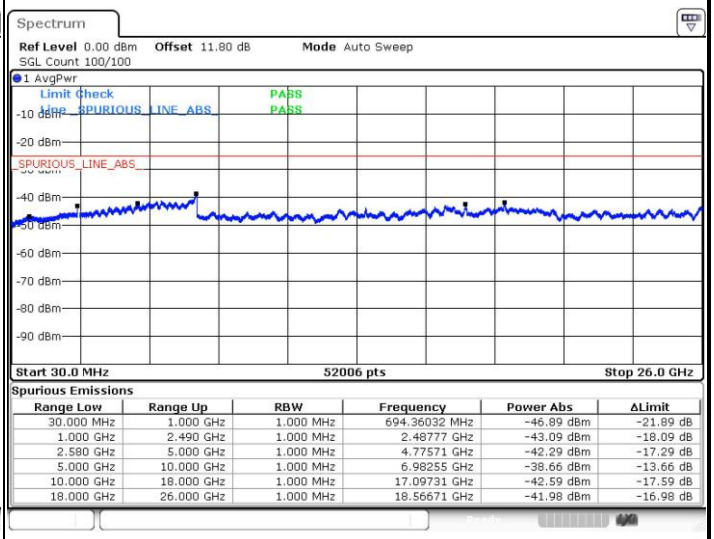


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	749.13793 MHz	-46.72 dBm	-21.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-43.50 dBm	-18.50 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79507 GHz	-42.15 dBm	-17.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94706 GHz	-38.58 dBm	-13.58 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11031 GHz	-42.59 dBm	-17.59 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57621 GHz	-42.25 dBm	-17.25 dB

Date: 16.APR.2016 09:51:42

Lowest Channel / 16QAM

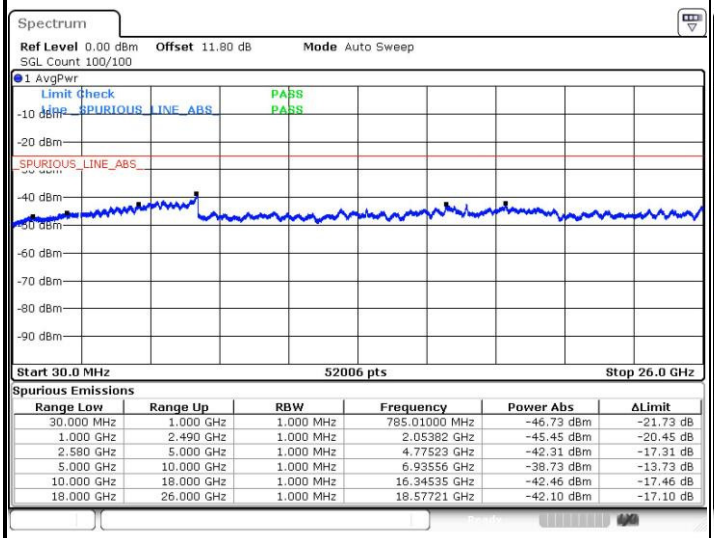


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	694.36032 MHz	-46.89 dBm	-21.89 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-43.09 dBm	-18.09 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77571 GHz	-42.29 dBm	-17.29 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98255 GHz	-38.66 dBm	-13.66 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.09731 GHz	-42.59 dBm	-17.59 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56671 GHz	-41.98 dBm	-16.98 dB

Date: 16.APR.2016 09:52:39

Middle Channel / QPSK

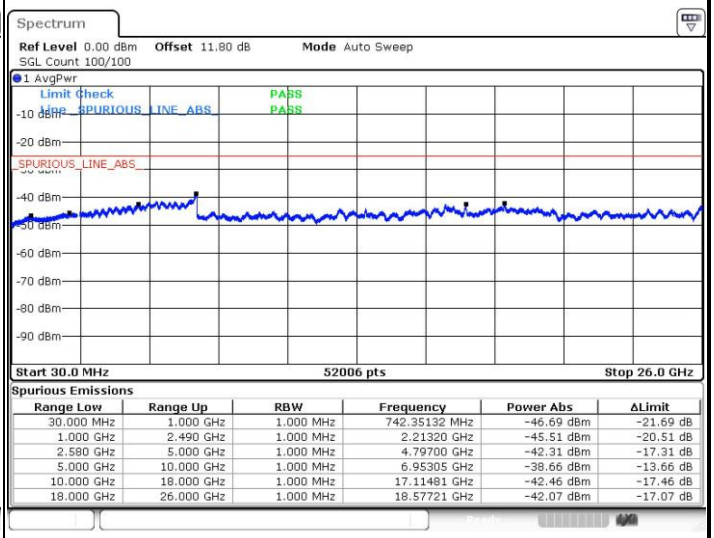


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	785.01000 MHz	-46.73 dBm	-21.73 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.05382 GHz	-45.45 dBm	-20.45 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.77523 GHz	-42.31 dBm	-17.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.93556 GHz	-38.73 dBm	-13.73 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34535 GHz	-42.46 dBm	-17.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57721 GHz	-42.10 dBm	-17.10 dB

Date: 16.APR.2016 09:53:37

Middle Channel / 16QAM



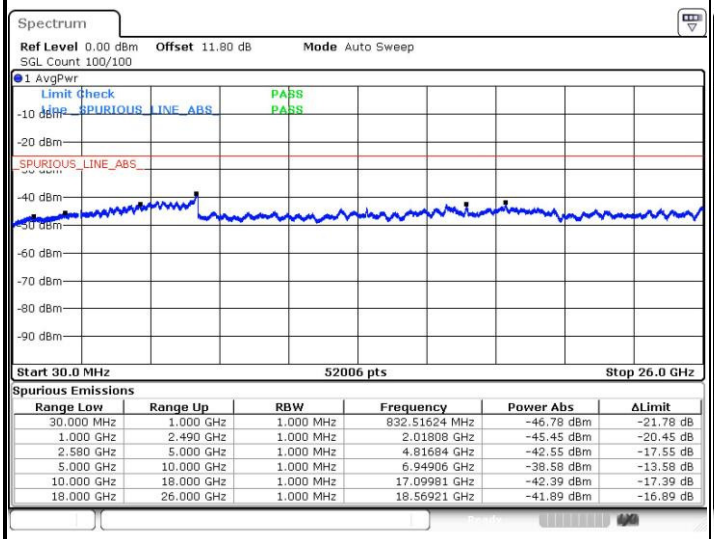
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	742.35132 MHz	-46.69 dBm	-21.69 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.21320 GHz	-45.51 dBm	-20.51 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79700 GHz	-42.31 dBm	-17.31 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95305 GHz	-38.66 dBm	-13.66 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11481 GHz	-42.46 dBm	-17.46 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57721 GHz	-42.07 dBm	-17.07 dB

Date: 16.APR.2016 09:54:35

LTE Band7 / 15MHz

Highest Channel / QPSK

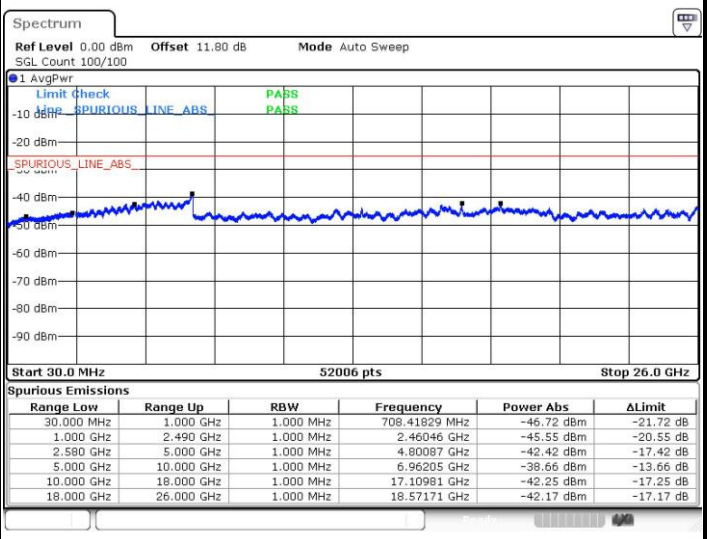


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	832.51624 MHz	-46.78 dBm	-21.78 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.01808 GHz	-45.45 dBm	-20.45 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81684 GHz	-42.55 dBm	-17.55 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94906 GHz	-38.58 dBm	-13.58 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.09981 GHz	-42.39 dBm	-17.39 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56921 GHz	-41.89 dBm	-16.89 dB

Date: 16.APR.2016 09:55:33

Highest Channel / 16QAM



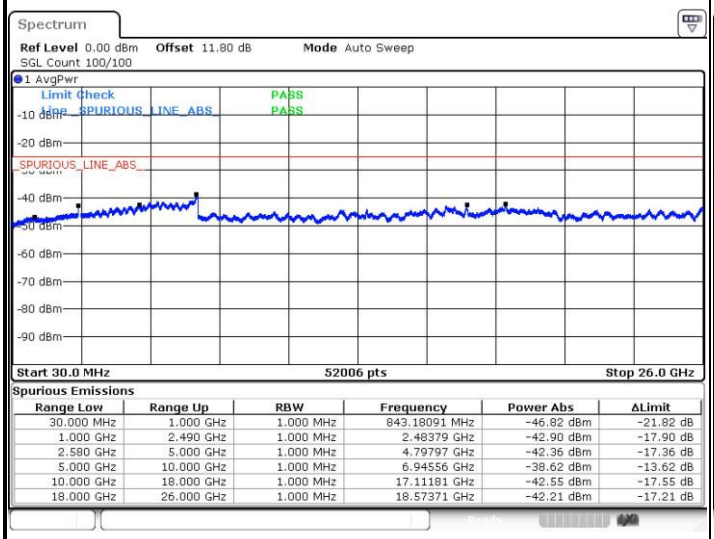
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	708.41829 MHz	-46.72 dBm	-21.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46046 GHz	-45.55 dBm	-20.55 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80087 GHz	-42.42 dBm	-17.42 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96205 GHz	-38.66 dBm	-13.66 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10981 GHz	-42.25 dBm	-17.25 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57171 GHz	-42.17 dBm	-17.17 dB

Date: 16.APR.2016 09:56:31

LTE Band 7 / 20MHz

Lowest Channel / QPSK

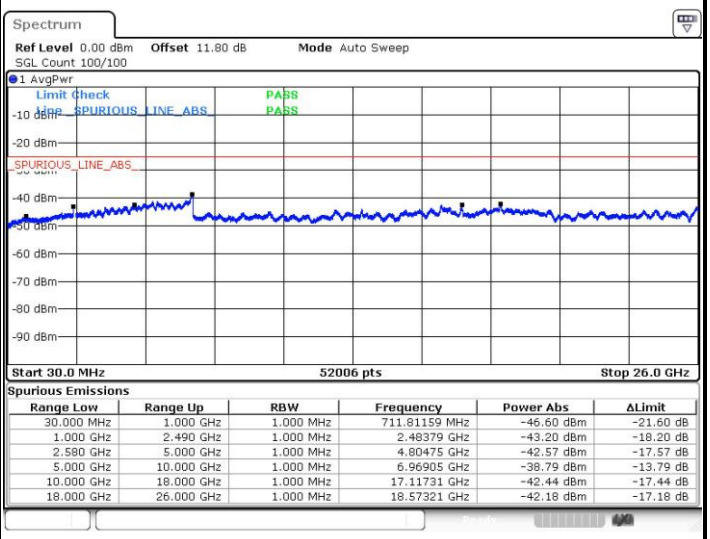


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	843.18091 MHz	-46.82 dBm	-21.82 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-42.90 dBm	-17.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79797 GHz	-42.36 dBm	-17.36 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94556 GHz	-38.62 dBm	-13.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11181 GHz	-42.55 dBm	-17.55 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57371 GHz	-42.21 dBm	-17.21 dB

Date: 16.APR.2016 09:57:28

Lowest Channel / 16QAM



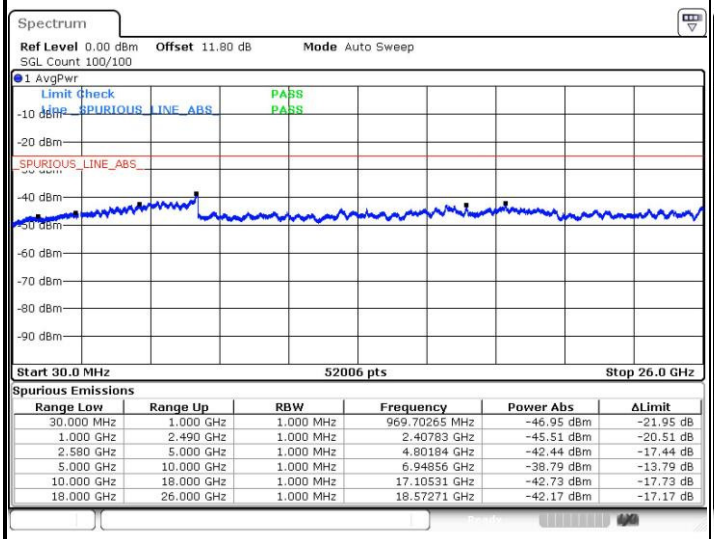
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	711.81159 MHz	-46.60 dBm	-21.60 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-43.20 dBm	-18.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80475 GHz	-42.57 dBm	-17.57 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96905 GHz	-38.79 dBm	-13.79 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.11731 GHz	-42.44 dBm	-17.44 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57321 GHz	-42.18 dBm	-17.18 dB

Date: 16.APR.2016 09:58:26

LTE Band 7 / 20MHz

Middle Channel / QPSK

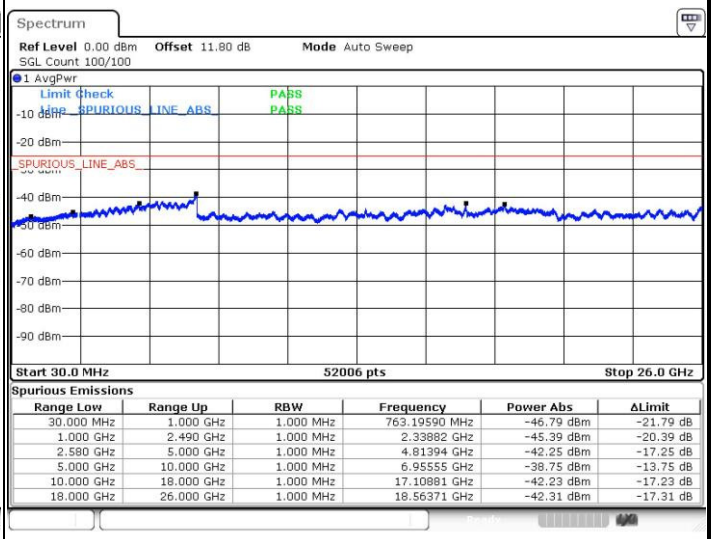


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-46.95 dBm	-21.95 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.40783 GHz	-45.51 dBm	-20.51 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.80184 GHz	-42.44 dBm	-17.44 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.94856 GHz	-38.79 dBm	-13.79 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10531 GHz	-42.73 dBm	-17.73 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57271 GHz	-42.17 dBm	-17.17 dB

Date: 16.APR.2016 09:59:24

Middle Channel / 16QAM

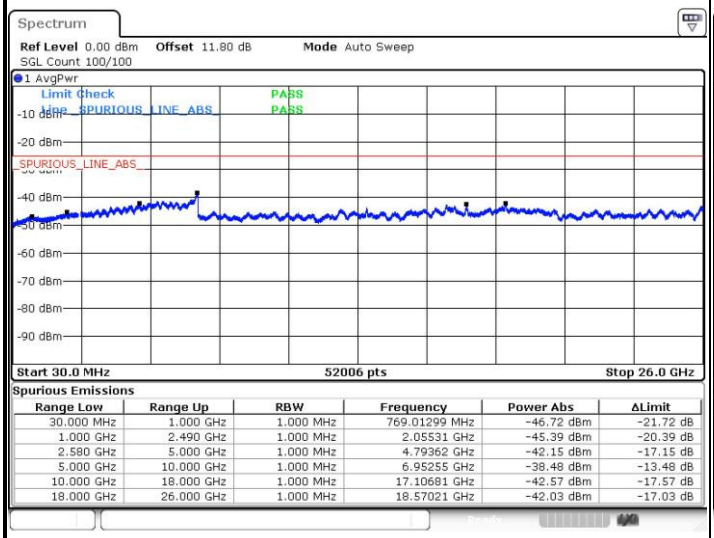


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	763.19590 MHz	-46.79 dBm	-21.79 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.33882 GHz	-45.39 dBm	-20.39 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.81394 GHz	-42.25 dBm	-17.25 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95555 GHz	-38.75 dBm	-13.75 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10881 GHz	-42.23 dBm	-17.23 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56371 GHz	-42.31 dBm	-17.31 dB

Date: 16.APR.2016 10:00:22

Highest Channel / QPSK

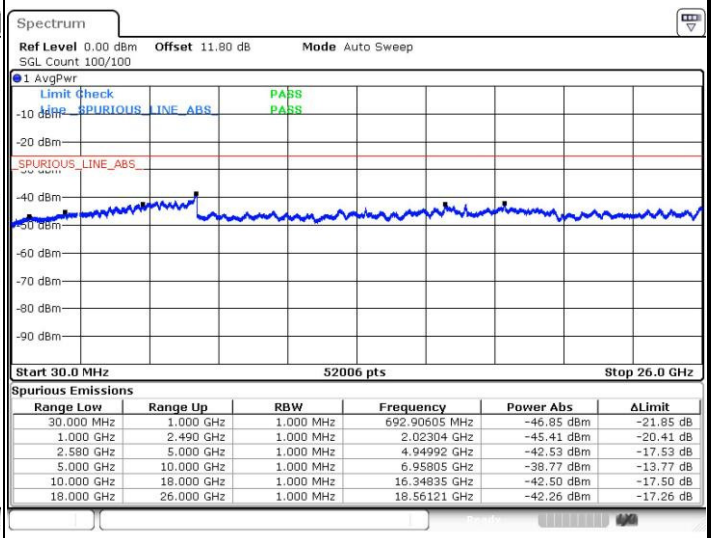


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	769.01299 MHz	-46.72 dBm	-21.72 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.05531 GHz	-45.39 dBm	-20.39 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.79362 GHz	-42.15 dBm	-17.15 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95255 GHz	-38.48 dBm	-13.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.10681 GHz	-42.57 dBm	-17.57 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.57021 GHz	-42.03 dBm	-17.03 dB

Date: 16.APR.2016 10:01:20

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	692.90605 MHz	-46.85 dBm	-21.85 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.02304 GHz	-45.41 dBm	-20.41 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.94992 GHz	-42.53 dBm	-17.53 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.95805 GHz	-38.77 dBm	-13.77 dB
10.000 GHz	18.000 GHz	1.000 MHz	16.34835 GHz	-42.50 dBm	-17.50 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.56121 GHz	-42.26 dBm	-17.26 dB

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Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0058	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0058	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

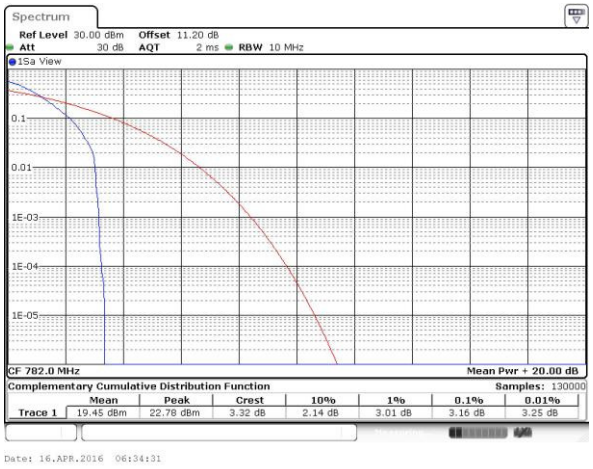
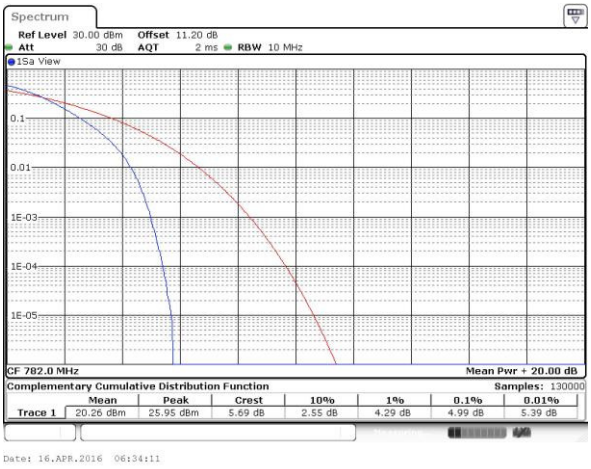
Note:

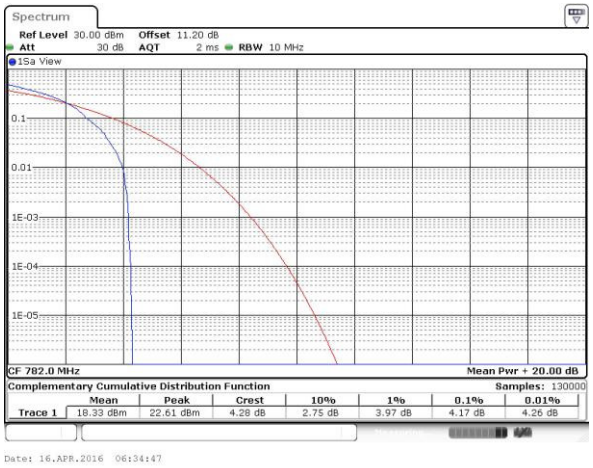
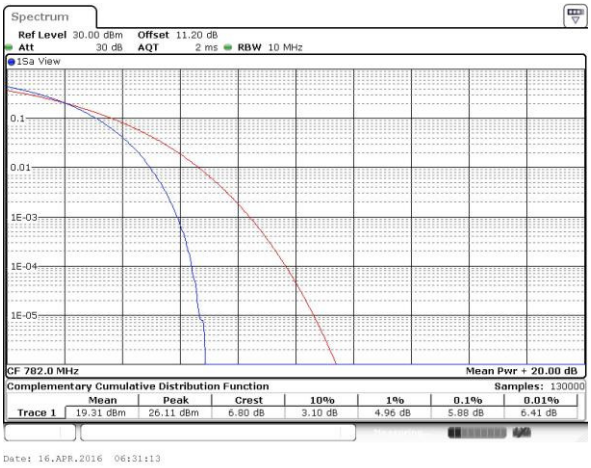
1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.4 V.；Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.16	4.99	4.17	5.88	
Highest CH	-	-	-	-	

LTE Band 13 / 10MHz / QPSK	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	

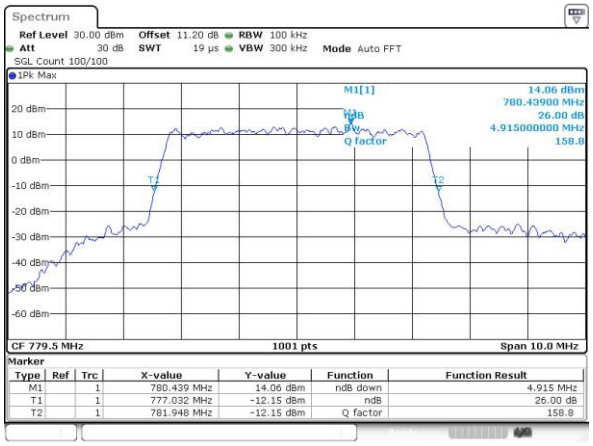
LTE Band 13 / 10MHz / 16QAM	
Middle Channel/ 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

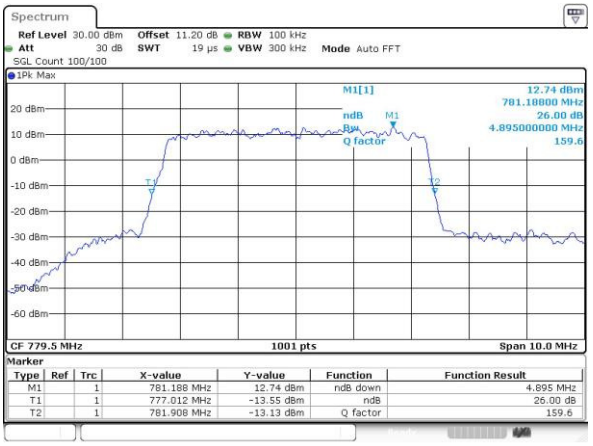
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.92	4.90	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	4.83	9.75	9.65	-	-	-	-
Highest CH	-	-	-	-	4.93	4.86	-	-	-	-	-	-

LTE Band 13

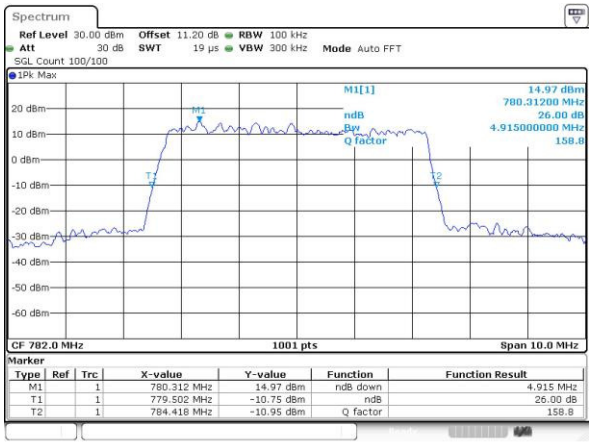
Lowest Channel / 5MHz / QPSK



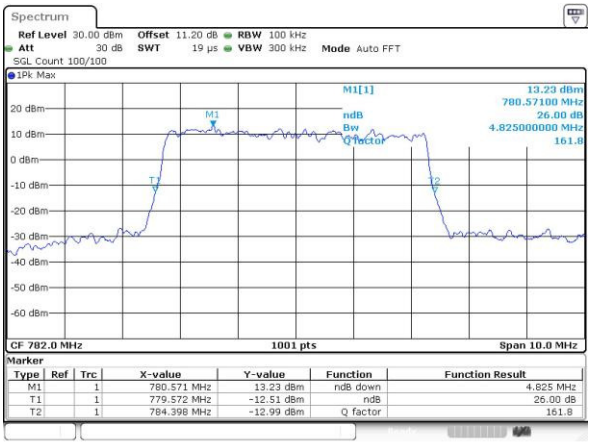
Lowest Channel / 5MHz / 16QAM



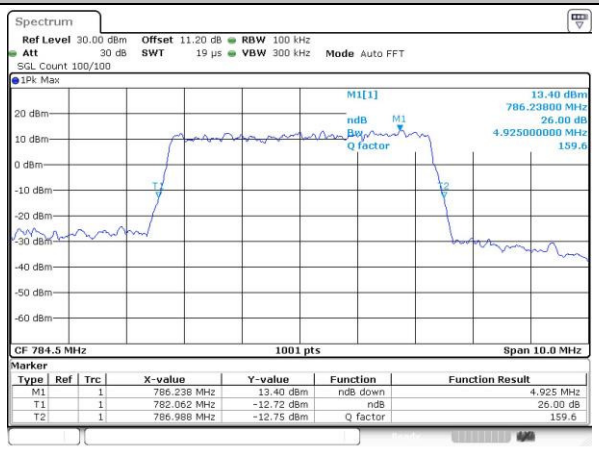
Middle Channel / 5MHz / QPSK



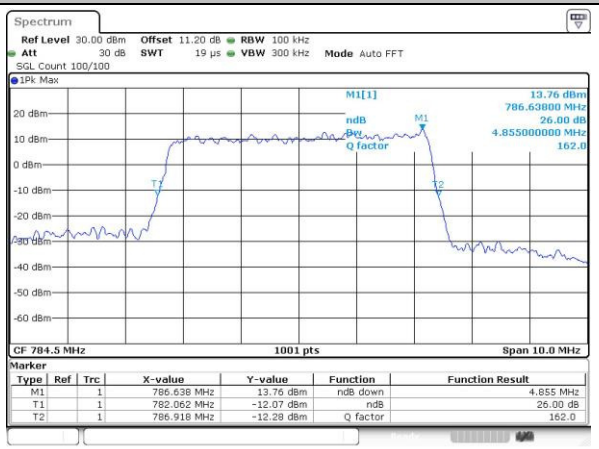
Middle Channel / 5MHz / 16QAM

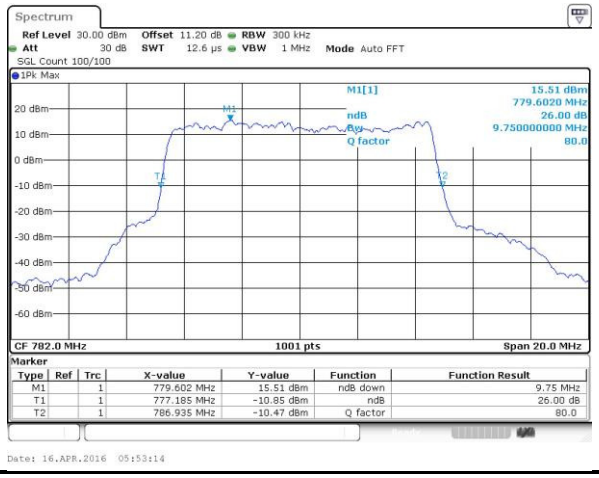
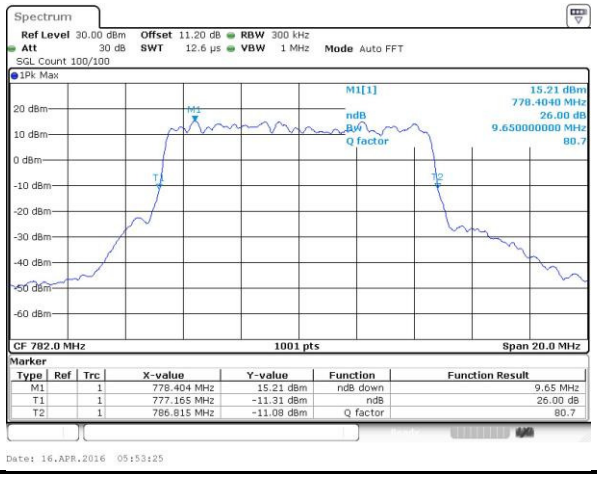


Highest Channel / 5MHz / QPSK



Highest Channel / 5MHz / 16QAM



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

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	-	-	-	-	4.46	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.5	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.49	4.5	-	-	-	-	-	-