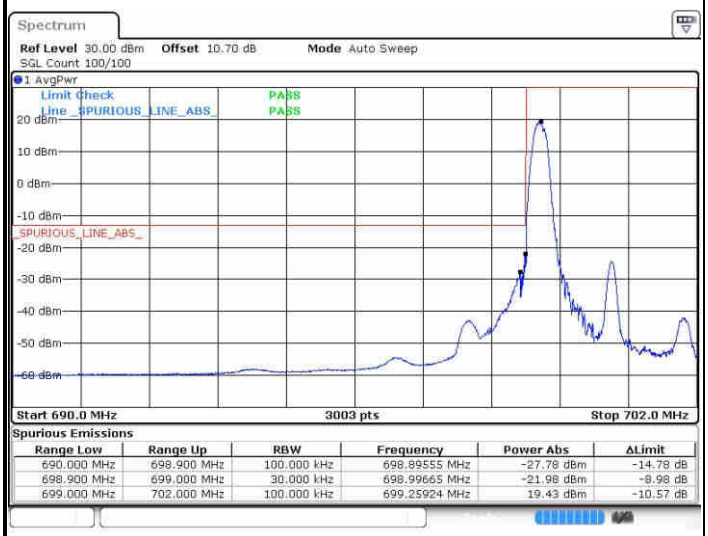
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

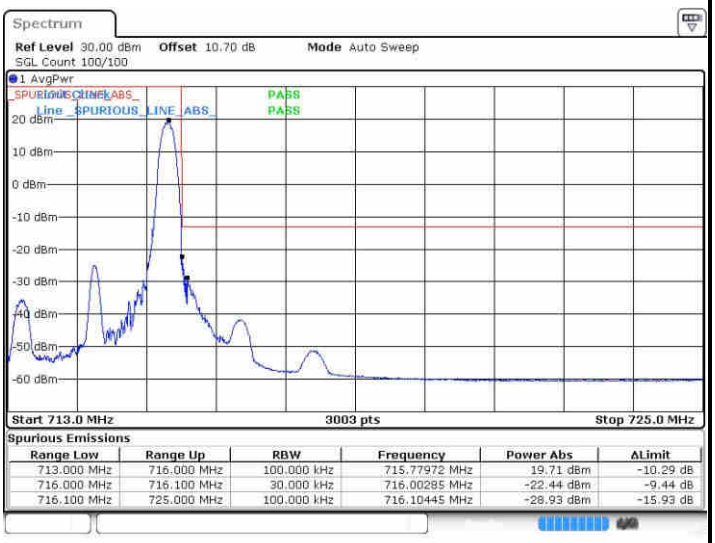


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.78 dBm	-14.78 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99665 MHz	-21.98 dBm	-8.98 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.25924 MHz	19.43 dBm	-10.57 dB

Date: 27.APR.2019 04:34:38

Highest Band Edge / 1 RB

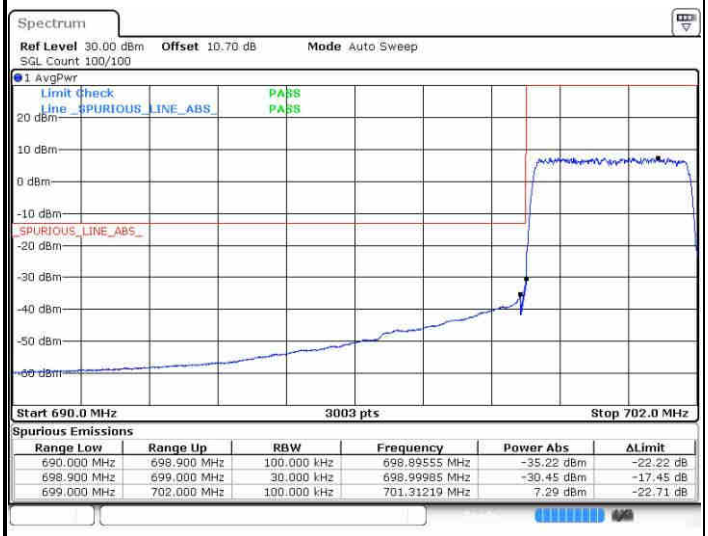


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.77972 MHz	19.71 dBm	-10.29 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00285 MHz	-22.44 dBm	-9.44 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.93 dBm	-15.93 dB

Date: 27.APR.2019 04:38:50

Lowest Band Edge / Full RB

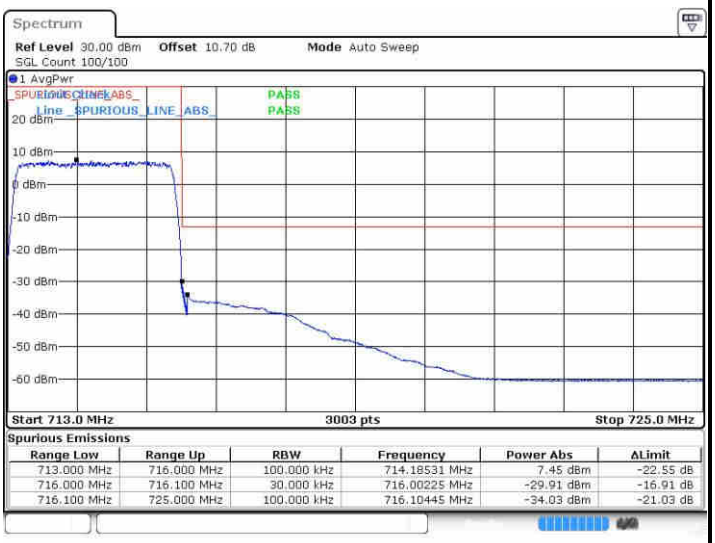


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.22 dBm	-22.22 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99985 MHz	-30.45 dBm	-17.45 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.31219 MHz	7.29 dBm	-22.71 dB

Date: 27.APR.2019 04:33:37

Highest Band Edge / Full RB



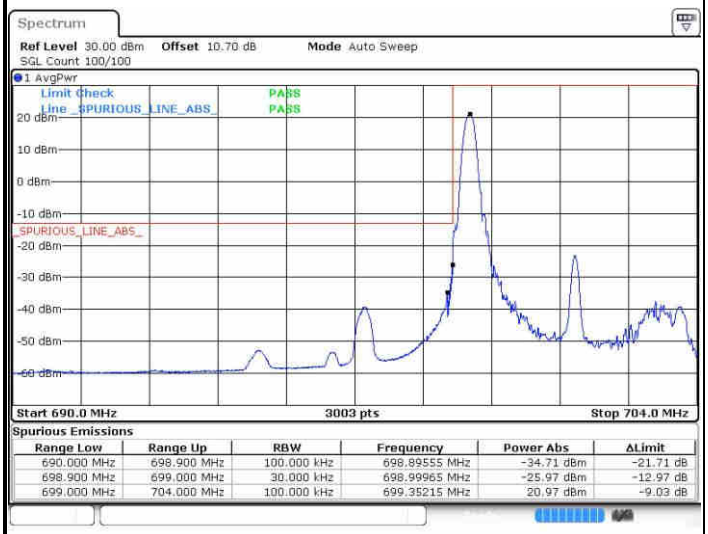
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.18531 MHz	7.45 dBm	-22.55 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00225 MHz	-29.91 dBm	-16.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.03 dBm	-21.03 dB

Date: 27.APR.2019 04:37:49

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

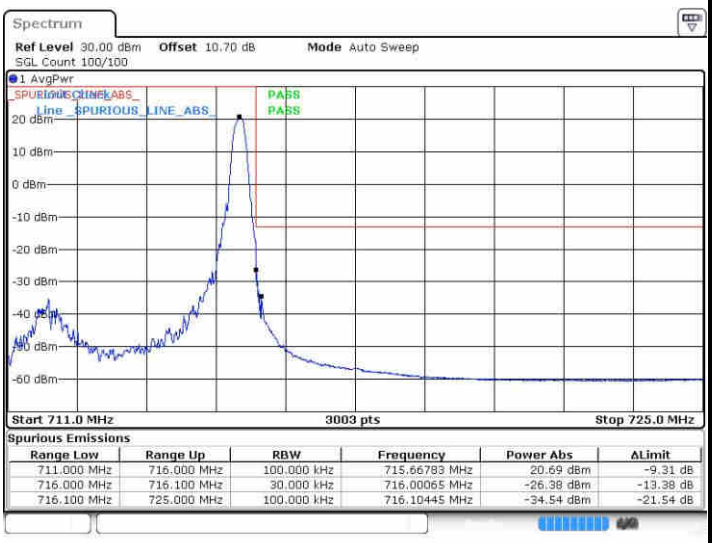


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.71 dBm	-21.71 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99965 MHz	-25.97 dBm	-12.97 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35215 MHz	20.97 dBm	-9.03 dB

Date: 27.APR.2019 04:51:44

Highest Band Edge / 1 RB

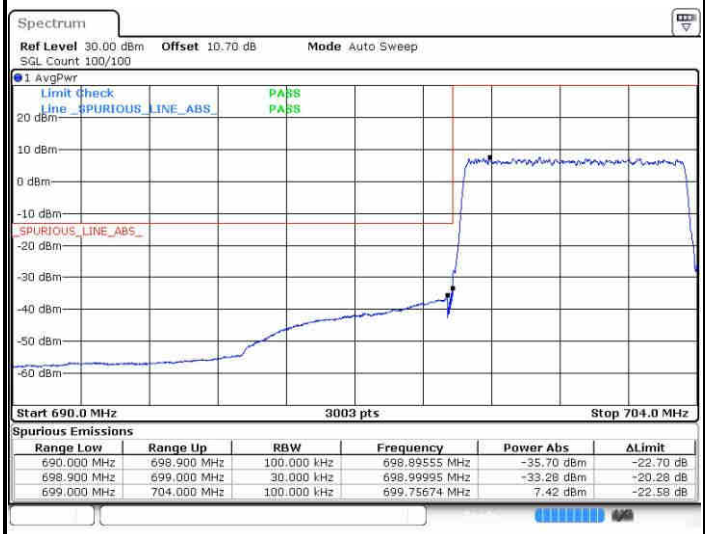


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.66783 MHz	20.69 dBm	-9.31 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00065 MHz	-26.38 dBm	-13.38 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.54 dBm	-21.54 dB

Date: 27.APR.2019 04:59:07

Lowest Band Edge / Full RB

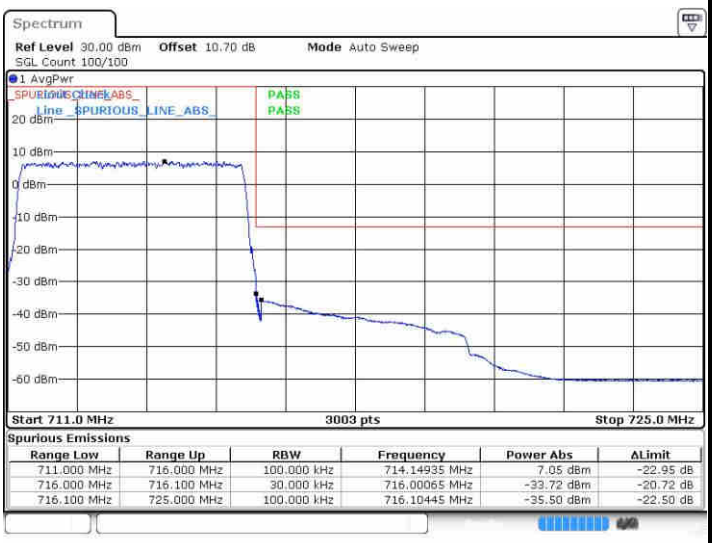


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.70 dBm	-22.70 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-33.28 dBm	-20.28 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.75674 MHz	7.42 dBm	-22.58 dB

Date: 27.APR.2019 04:48:41

Highest Band Edge / Full RB



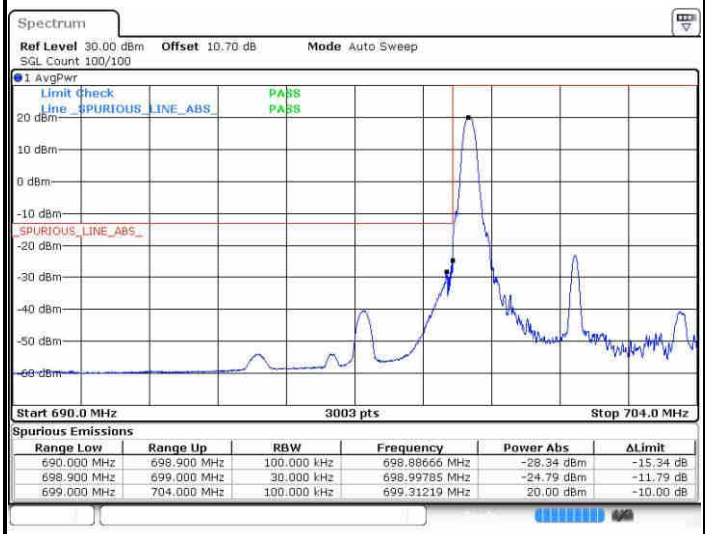
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	714.14935 MHz	7.05 dBm	-22.95 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00065 MHz	-33.72 dBm	-20.72 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.50 dBm	-22.50 dB

Date: 27.APR.2019 04:57:04

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

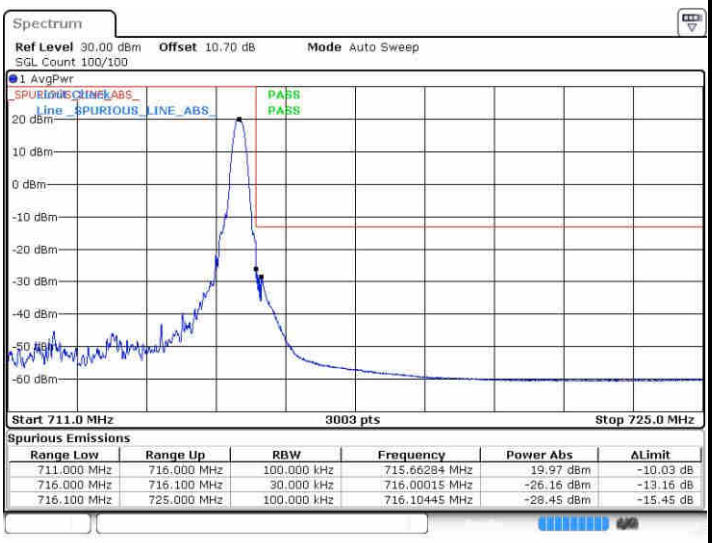


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-28.34 dBm	-15.34 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99785 MHz	-24.79 dBm	-11.79 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.31219 MHz	20.00 dBm	-10.00 dB

Date: 27.APR.2019 04:50:43

Highest Band Edge / 1 RB

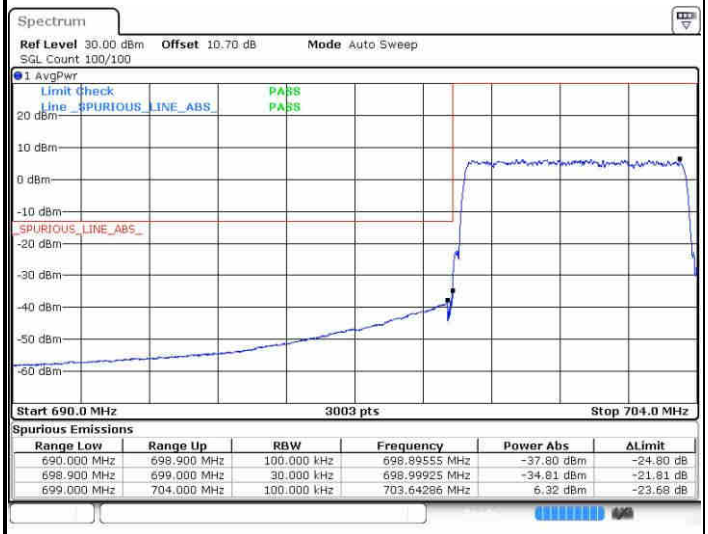


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.66284 MHz	19.97 dBm	-10.03 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00015 MHz	-26.16 dBm	-13.16 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.45 dBm	-15.45 dB

Date: 27.APR.2019 05:00:08

Lowest Band Edge / Full RB

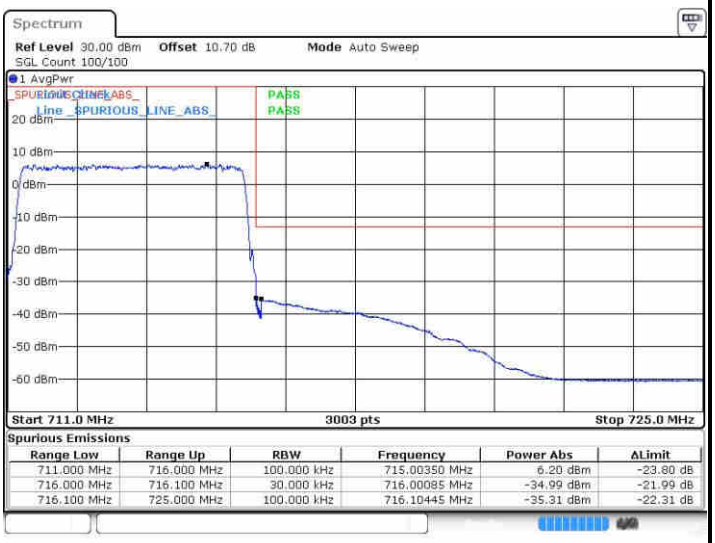


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-37.80 dBm	-24.80 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99925 MHz	-34.81 dBm	-21.81 dB
699.000 MHz	704.000 MHz	100.000 kHz	703.64286 MHz	6.32 dBm	-23.68 dB

Date: 27.APR.2019 04:49:42

Highest Band Edge / Full RB



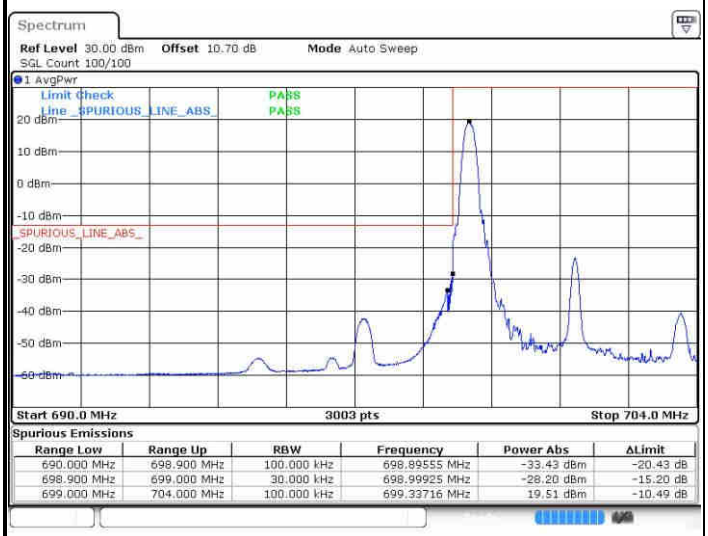
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.00350 MHz	6.20 dBm	-23.80 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-34.99 dBm	-21.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.31 dBm	-22.31 dB

Date: 27.APR.2019 04:58:06

LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB

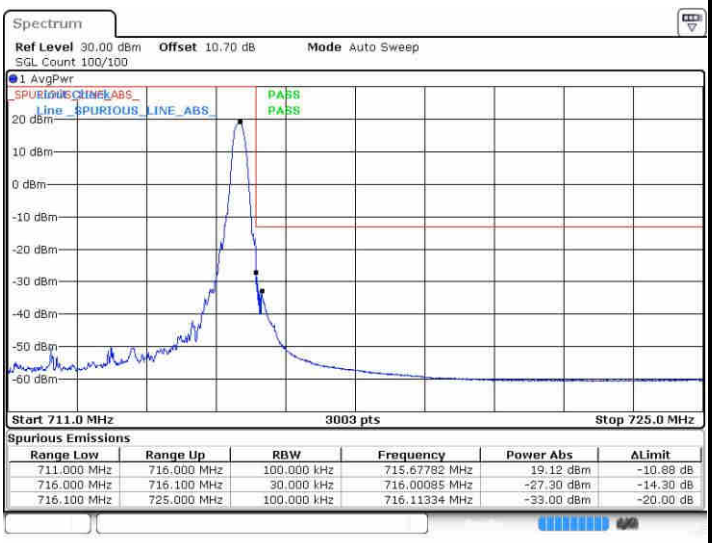


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-33.43 dBm	-20.43 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99925 MHz	-28.20 dBm	-15.20 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33716 MHz	19.51 dBm	-10.49 dB

Date: 27.APR.2019 04:41:58

Highest Band Edge / 1 RB

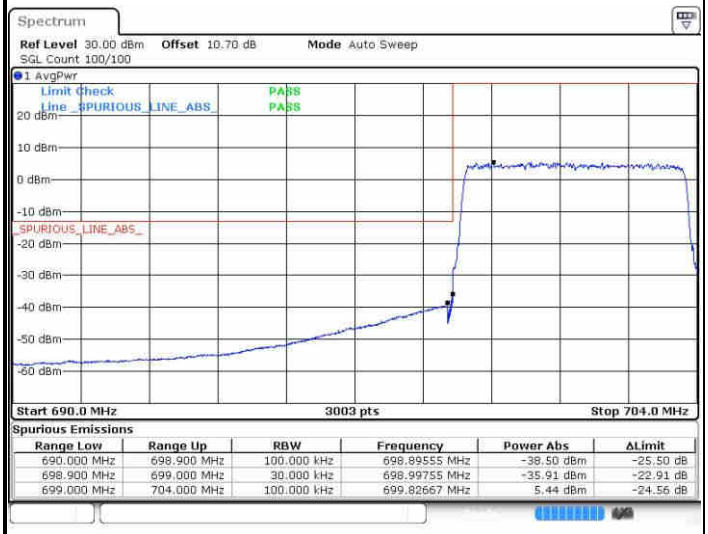


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67782 MHz	19.12 dBm	-10.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-27.30 dBm	-14.30 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-33.00 dBm	-20.00 dB

Date: 27.APR.2019 04:46:09

Lowest Band Edge / Full RB

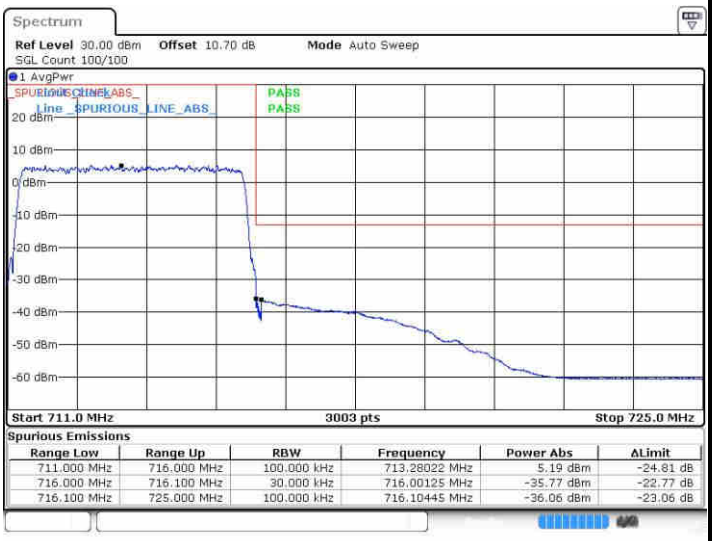


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-38.50 dBm	-25.50 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99755 MHz	-35.91 dBm	-22.91 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.82667 MHz	5.44 dBm	-24.56 dB

Date: 27.APR.2019 04:40:57

Highest Band Edge / Full RB



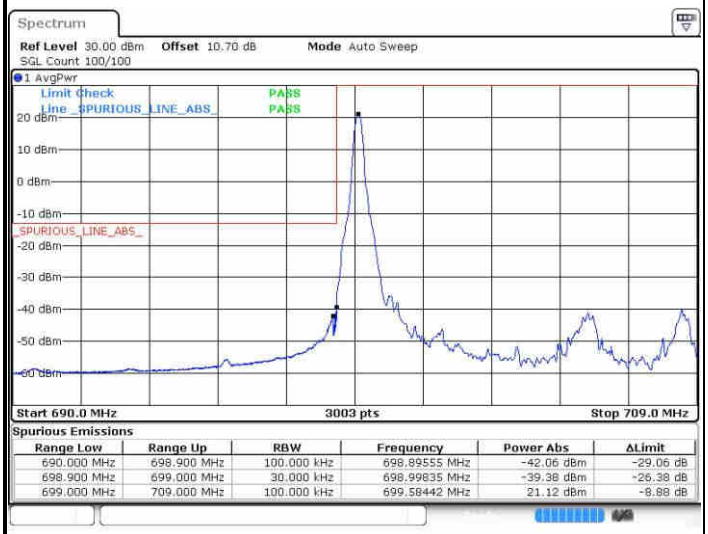
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.28022 MHz	5.19 dBm	-24.81 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00125 MHz	-35.77 dBm	-22.77 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.06 dBm	-23.06 dB

Date: 27.APR.2019 04:45:08

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

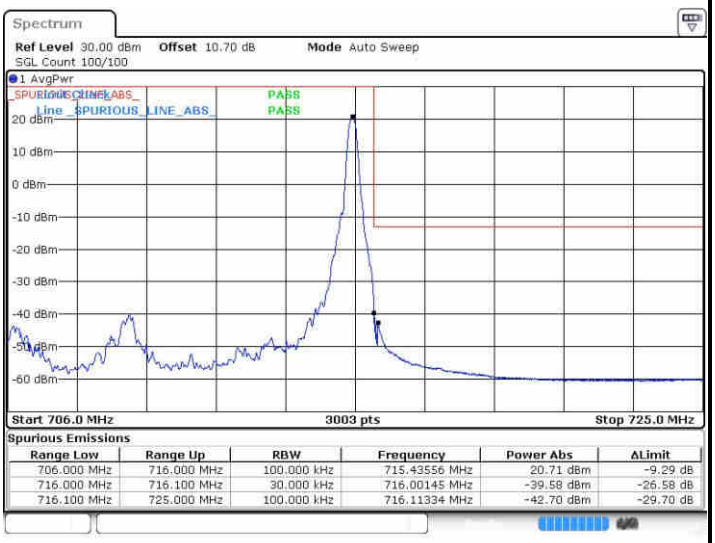


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-42.06 dBm	-29.06 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99835 MHz	-39.38 dBm	-26.38 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.58442 MHz	21.12 dBm	-8.88 dB

Date: 27.APR.2019 05:06:23

Highest Band Edge / 1 RB

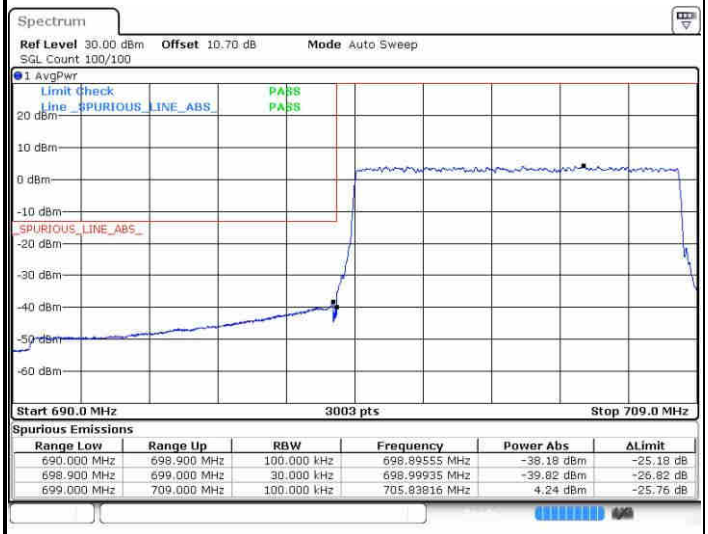


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.43556 MHz	20.71 dBm	-9.29 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-39.58 dBm	-26.58 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-42.70 dBm	-29.70 dB

Date: 27.APR.2019 05:14:51

Lowest Band Edge / Full RB

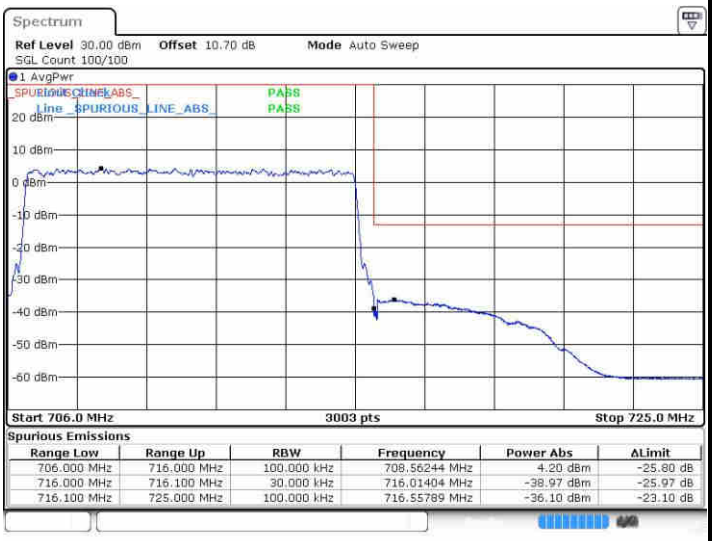


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-38.18 dBm	-25.18 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99935 MHz	-39.82 dBm	-26.82 dB
699.000 MHz	709.000 MHz	100.000 kHz	705.83816 MHz	4.24 dBm	-25.76 dB

Date: 27.APR.2019 05:03:20

Highest Band Edge / Full RB



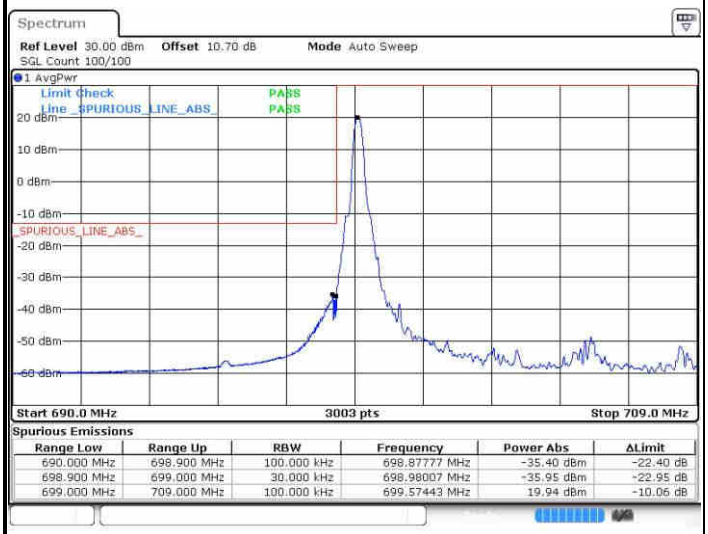
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	708.56244 MHz	4.20 dBm	-25.80 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01404 MHz	-38.97 dBm	-25.97 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.55789 MHz	-36.10 dBm	-23.10 dB

Date: 27.APR.2019 05:11:48

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

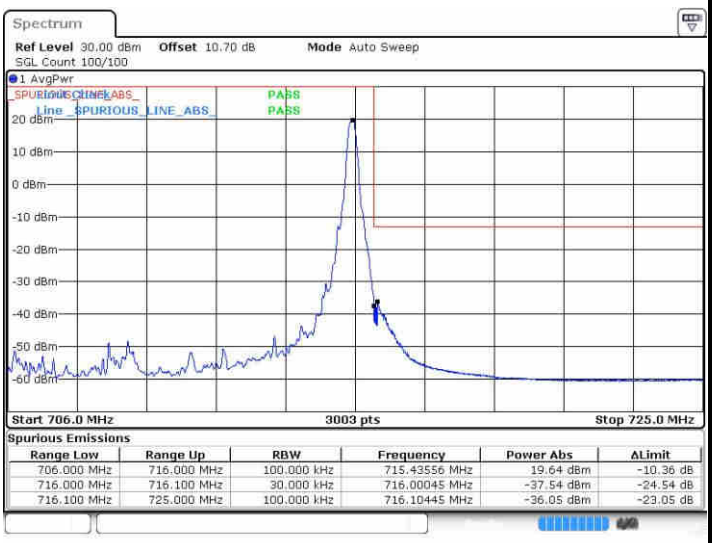


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.87777 MHz	-35.40 dBm	-22.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98007 MHz	-35.95 dBm	-22.95 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	19.94 dBm	-10.06 dB

Date: 27.APR.2019 05:05:22

Highest Band Edge / 1 RB

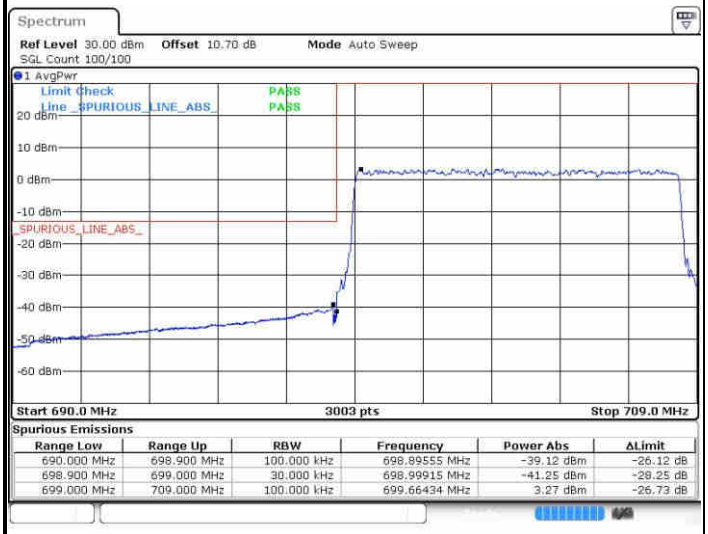


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.43556 MHz	19.64 dBm	-10.36 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-37.54 dBm	-24.54 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.05 dBm	-23.05 dB

Date: 27.APR.2019 05:13:50

Lowest Band Edge / Full RB

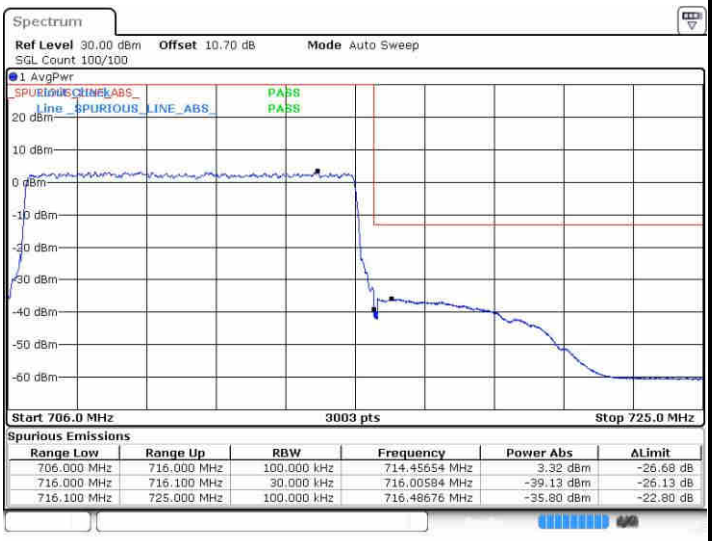


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-39.12 dBm	-26.12 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99915 MHz	-41.25 dBm	-28.25 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.66434 MHz	3.27 dBm	-26.73 dB

Date: 27.APR.2019 05:04:21

Highest Band Edge / Full RB



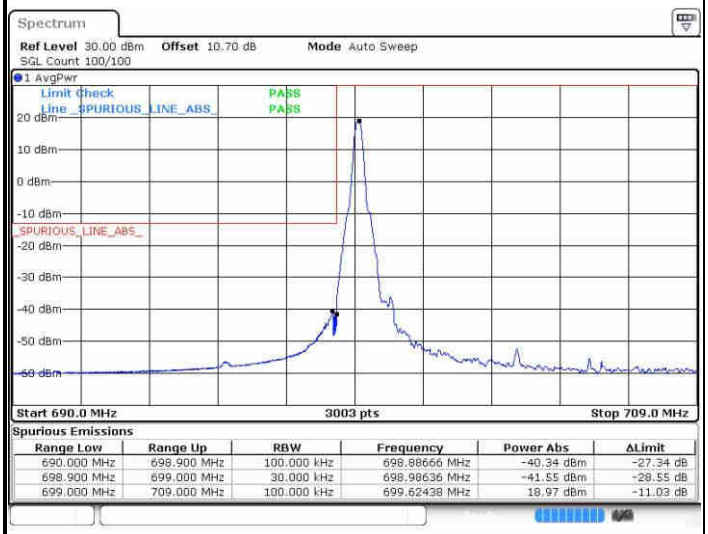
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	714.45654 MHz	3.32 dBm	-26.68 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00584 MHz	-39.13 dBm	-26.13 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.48676 MHz	-35.80 dBm	-22.80 dB

Date: 27.APR.2019 05:12:49

LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

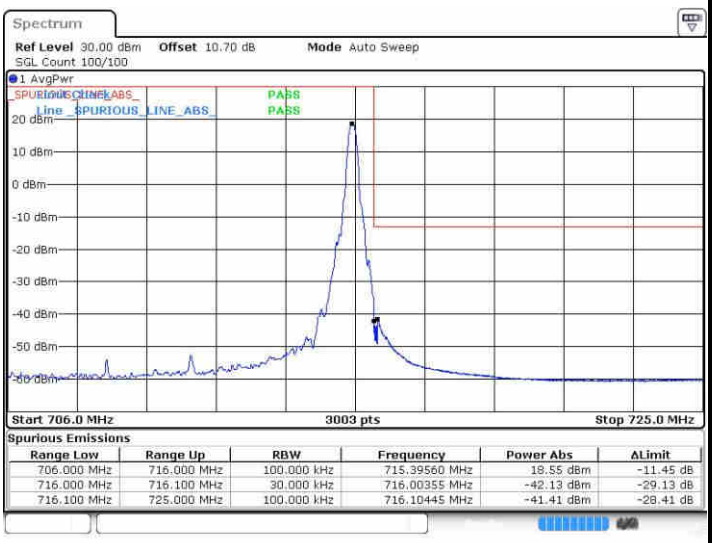


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-40.34 dBm	-27.34 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98636 MHz	-41.55 dBm	-28.55 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.62438 MHz	18.97 dBm	-11.03 dB

Date: 27.APR.2019 05:18:40

Highest Band Edge / 1 RB

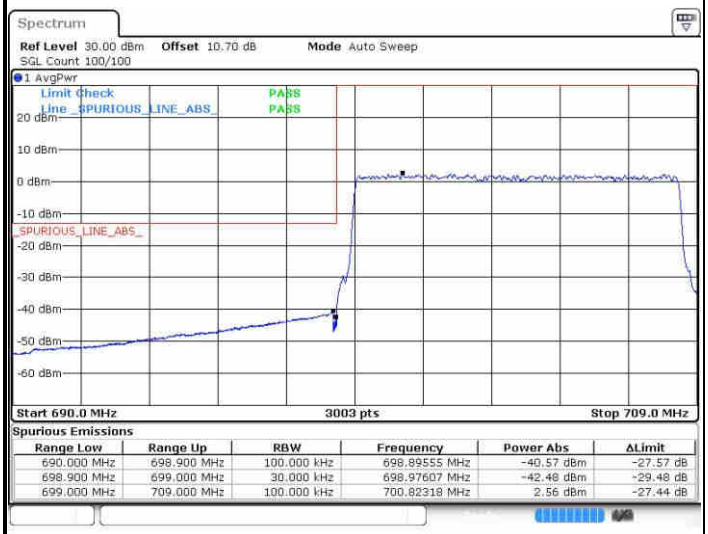


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.39560 MHz	18.55 dBm	-11.45 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00355 MHz	-42.13 dBm	-29.13 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-41.41 dBm	-28.41 dB

Date: 27.APR.2019 05:22:51

Lowest Band Edge / Full RB

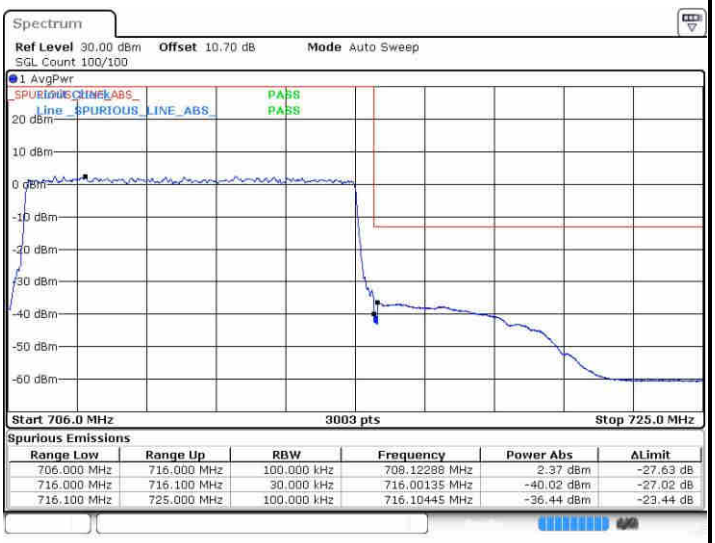


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-40.57 dBm	-27.57 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97607 MHz	-42.48 dBm	-29.48 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.82318 MHz	2.56 dBm	-27.44 dB

Date: 27.APR.2019 05:17:39

Highest Band Edge / Full RB



Spurious Emissions

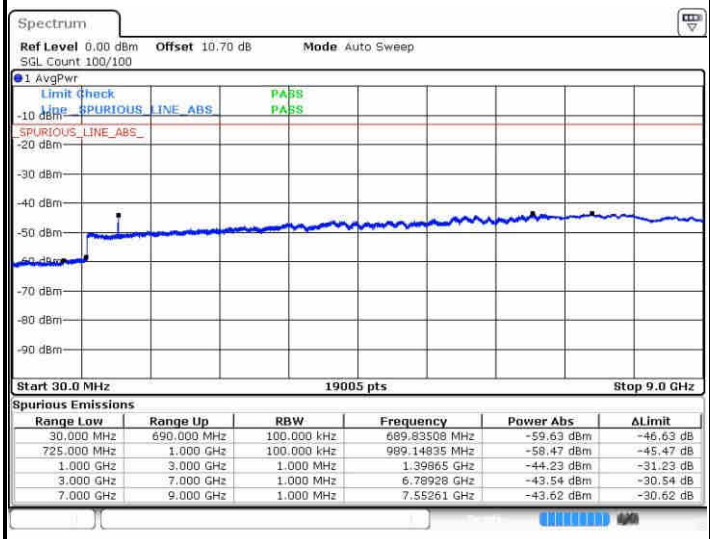
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	708.12288 MHz	2.37 dBm	-27.63 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00135 MHz	-40.02 dBm	-27.02 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.44 dBm	-23.44 dB

Date: 27.APR.2019 05:21:50

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

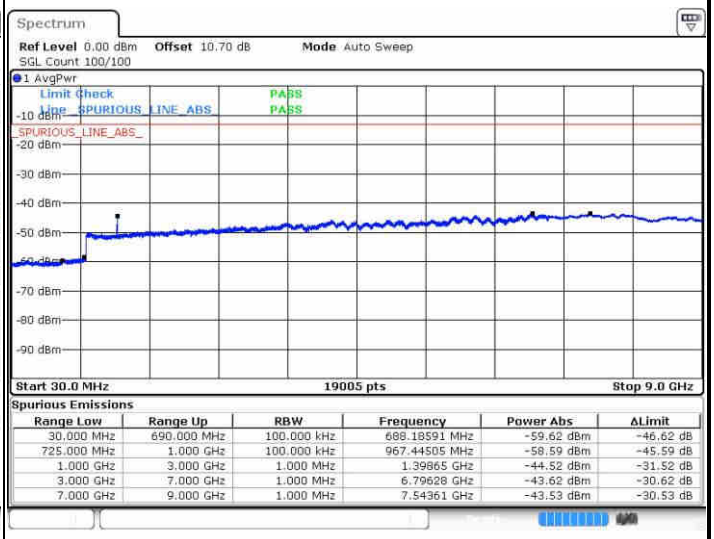


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.63 dBm	-46.63 dB
725.000 MHz	1.000 GHz	100.000 kHz	989.14835 MHz	-58.47 dBm	-45.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.23 dBm	-31.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-43.54 dBm	-30.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.62 dBm	-30.62 dB

Date: 27.APR.2019 04:01:10

Lowest Channel / 16QAM

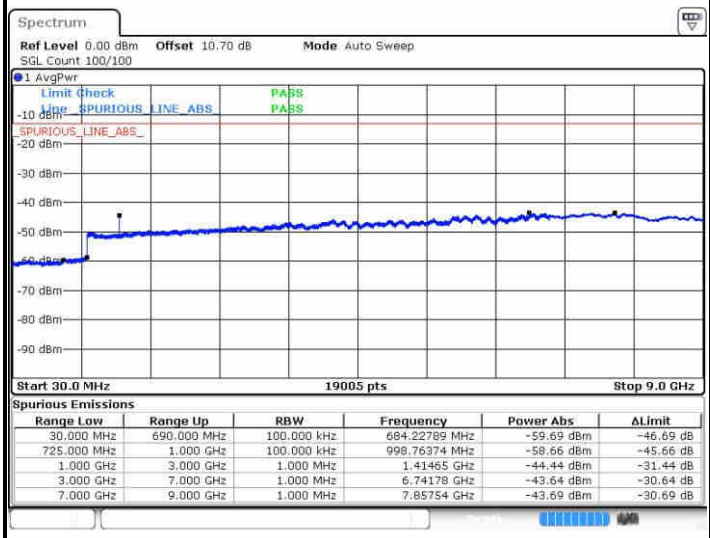


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.18591 MHz	-59.62 dBm	-46.62 dB
725.000 MHz	1.000 GHz	100.000 kHz	967.44505 MHz	-58.59 dBm	-45.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.52 dBm	-31.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79628 GHz	-43.62 dBm	-30.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54361 GHz	-43.53 dBm	-30.53 dB

Date: 27.APR.2019 04:01:51

Middle Channel / QPSK

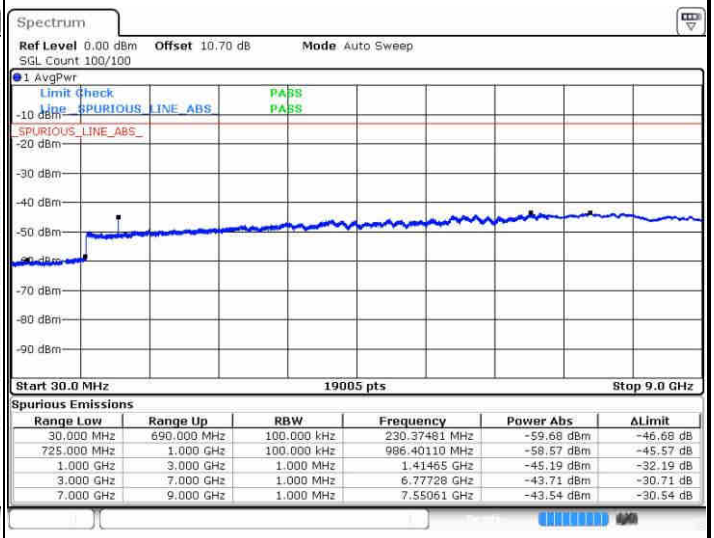


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	684.22789 MHz	-59.69 dBm	-46.69 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.76374 MHz	-58.66 dBm	-45.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-44.44 dBm	-31.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.74178 GHz	-43.64 dBm	-30.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.69 dBm	-30.69 dB

Date: 27.APR.2019 04:03:59

Middle Channel / 16QAM



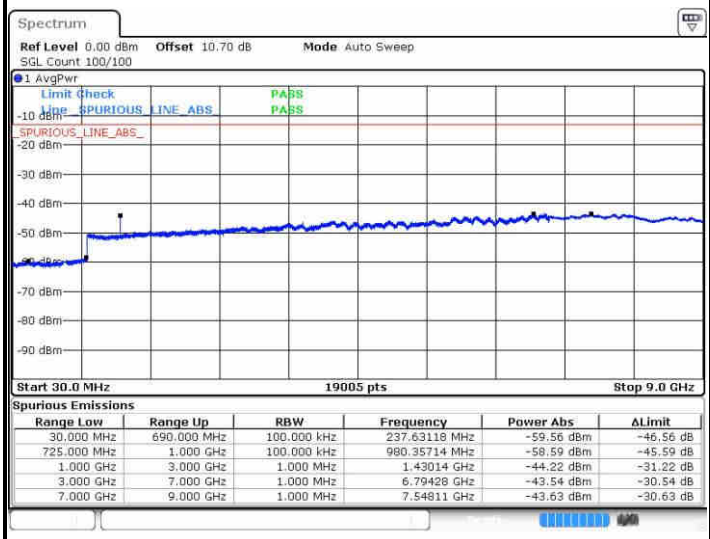
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.37481 MHz	-59.68 dBm	-46.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.40110 MHz	-58.57 dBm	-45.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.19 dBm	-32.19 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77728 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.54 dBm	-30.54 dB

Date: 27.APR.2019 04:03:19

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

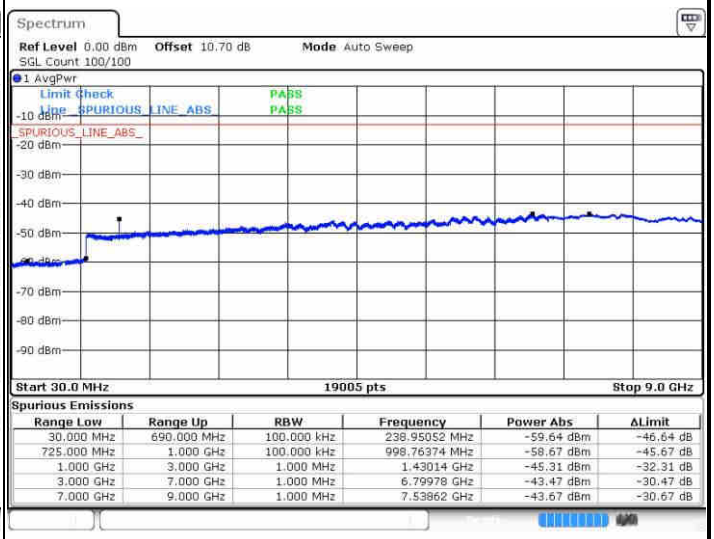


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	237.63118 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	980.35714 MHz	-58.59 dBm	-45.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.22 dBm	-31.22 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79428 GHz	-43.54 dBm	-30.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54811 GHz	-43.63 dBm	-30.63 dB

Date: 27.APR.2019 04:09:33

Highest Channel / 16QAM



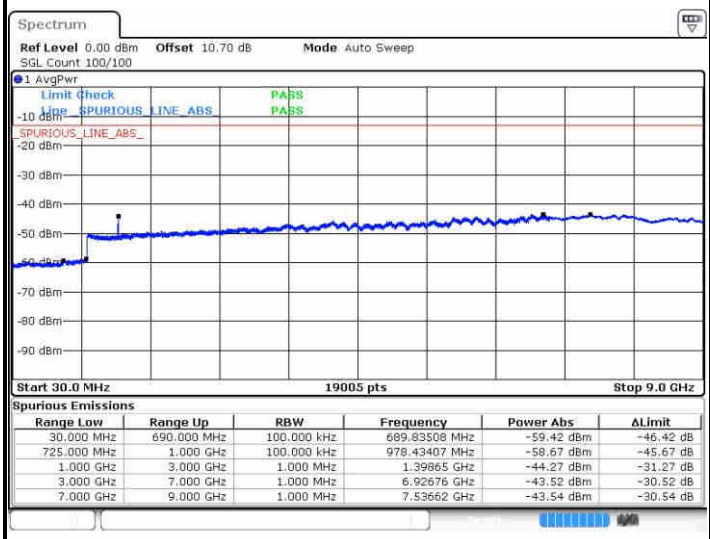
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	238.95052 MHz	-59.64 dBm	-46.64 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.76374 MHz	-58.67 dBm	-45.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-45.31 dBm	-32.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-43.47 dBm	-30.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53862 GHz	-43.67 dBm	-30.67 dB

Date: 27.APR.2019 04:10:14

LTE Band 12 / 3MHz

Lowest Channel / QPSK

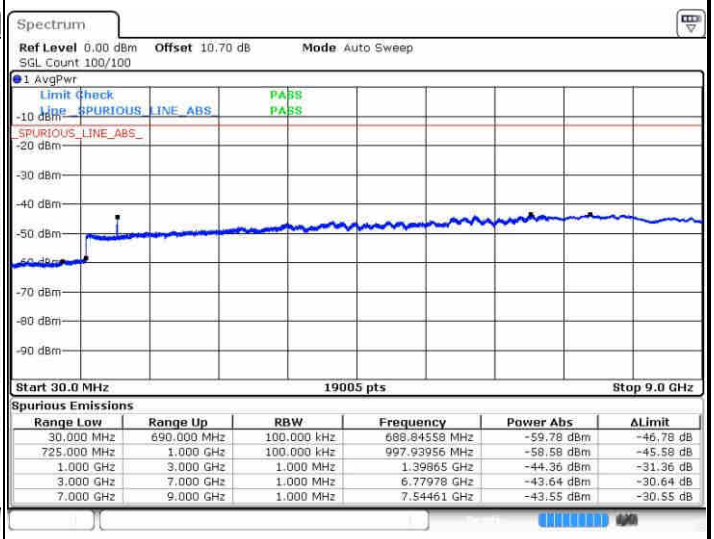


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-59.42 dBm	-46.42 dB
725.000 MHz	1.000 GHz	100.000 kHz	978.43407 MHz	-58.67 dBm	-45.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92676 GHz	-43.52 dBm	-30.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53662 GHz	-43.54 dBm	-30.54 dB

Date: 27.APR.2019 04:23:08

Lowest Channel / 16QAM



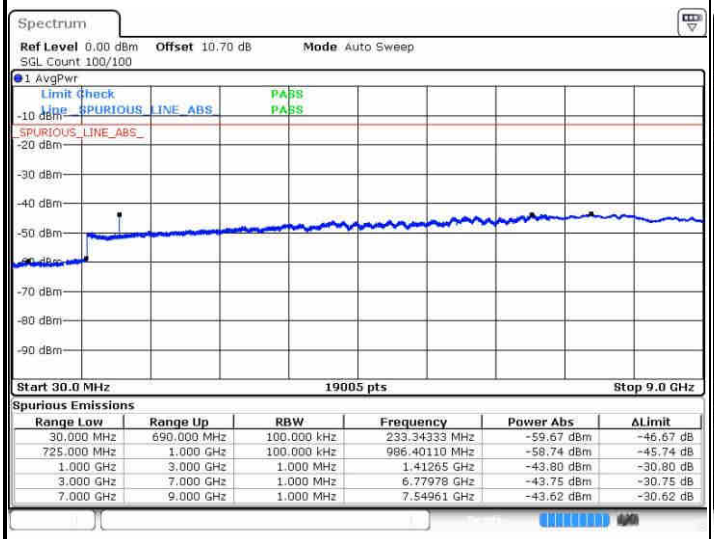
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.78 dBm	-46.78 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.93956 MHz	-58.58 dBm	-45.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.36 dBm	-31.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77978 GHz	-43.64 dBm	-30.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.55 dBm	-30.55 dB

Date: 27.APR.2019 04:23:49

LTE Band 12 / 3MHz

Middle Channel / QPSK

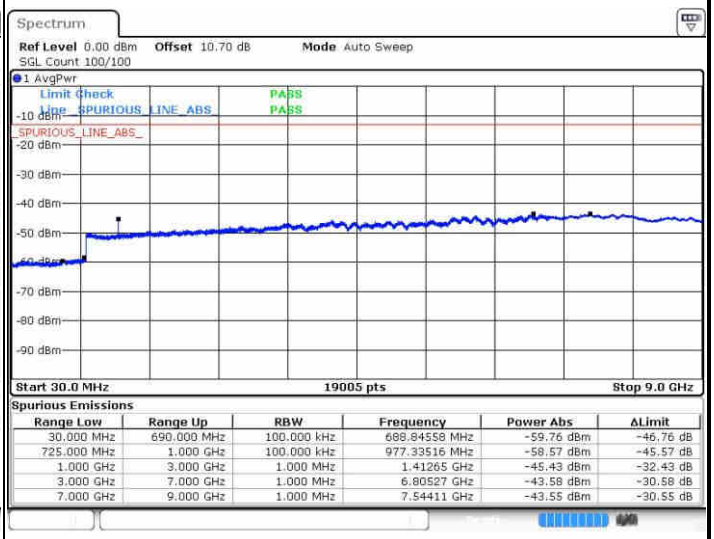


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-59.67 dBm	-46.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.40110 MHz	-58.74 dBm	-45.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-43.80 dBm	-30.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77978 GHz	-43.75 dBm	-30.75 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.62 dBm	-30.62 dB

Date: 27.APR.2019 04:25:57

Middle Channel / 16QAM

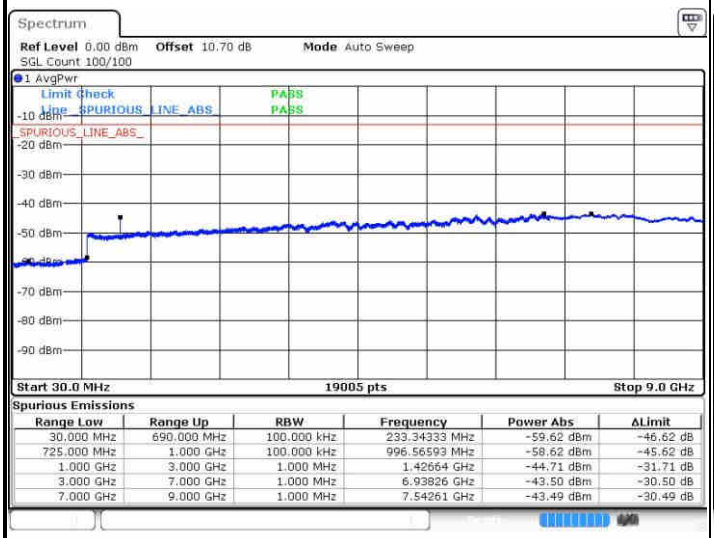


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.76 dBm	-46.76 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.33516 MHz	-58.57 dBm	-45.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.43 dBm	-32.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80527 GHz	-43.58 dBm	-30.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-43.55 dBm	-30.55 dB

Date: 27.APR.2019 04:25:16

Highest Channel / QPSK

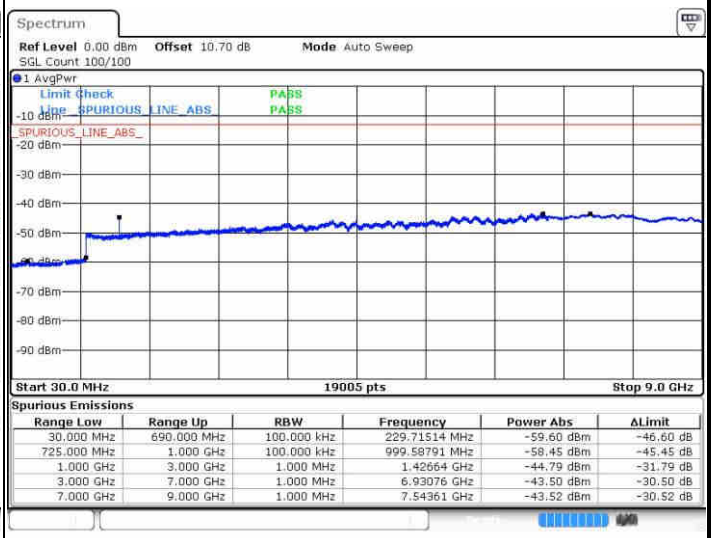


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.34333 MHz	-59.62 dBm	-46.62 dB
725.000 MHz	1.000 GHz	100.000 kHz	996.56593 MHz	-58.62 dBm	-45.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-44.71 dBm	-31.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93826 GHz	-43.50 dBm	-30.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54261 GHz	-43.49 dBm	-30.49 dB

Date: 27.APR.2019 04:31:31

Highest Channel / 16QAM



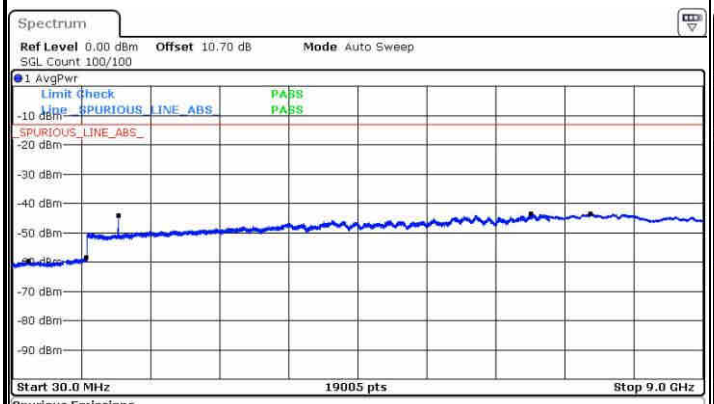
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	229.71514 MHz	-59.60 dBm	-46.60 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-58.45 dBm	-45.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-44.79 dBm	-31.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93076 GHz	-43.50 dBm	-30.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54361 GHz	-43.52 dBm	-30.52 dB

Date: 27.APR.2019 04:32:12

LTE Band 12 / 5MHz

Lowest Channel / QPSK

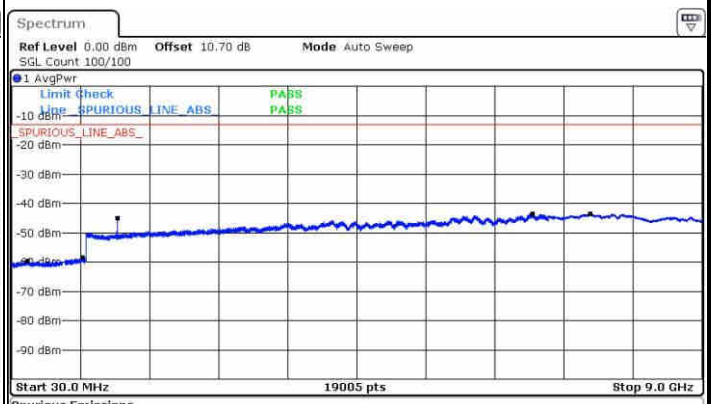


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	236.64168 MHz	-59.67 dBm	-46.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	986.12637 MHz	-58.55 dBm	-45.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.14 dBm	-31.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75928 GHz	-43.67 dBm	-30.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53912 GHz	-43.61 dBm	-30.61 dB

Date: 27.APR.2019 04:52:25

Lowest Channel / 16QAM

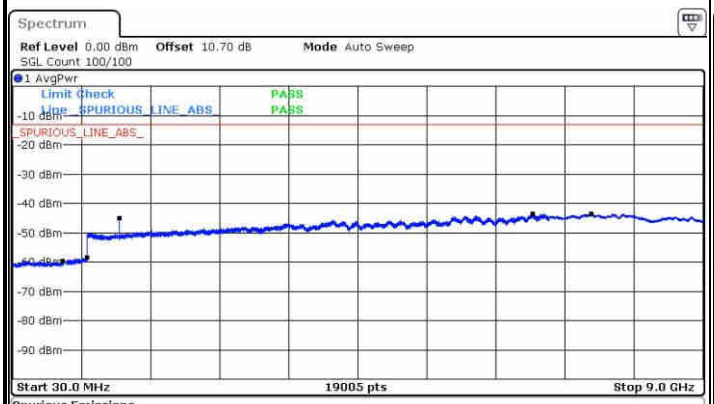


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.61019 MHz	-59.82 dBm	-46.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	944.91758 MHz	-58.55 dBm	-45.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.08 dBm	-32.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79928 GHz	-43.65 dBm	-30.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55061 GHz	-43.48 dBm	-30.48 dB

Date: 27.APR.2019 04:53:07

Middle Channel / QPSK

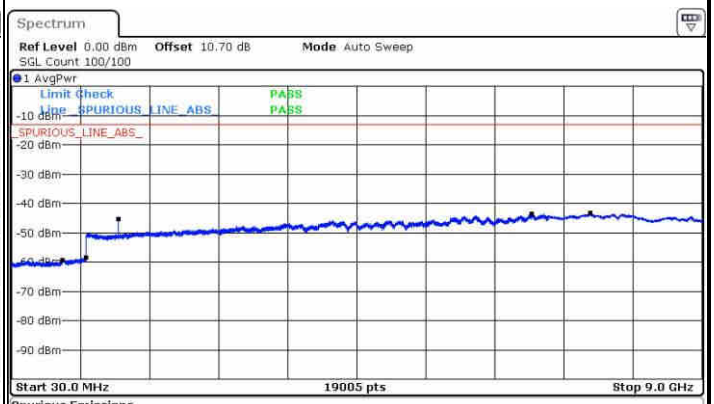


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	672.02399 MHz	-59.63 dBm	-46.63 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.46703 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-45.15 dBm	-32.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78428 GHz	-43.46 dBm	-30.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54661 GHz	-43.47 dBm	-30.47 dB

Date: 27.APR.2019 04:55:15

Middle Channel / 16QAM



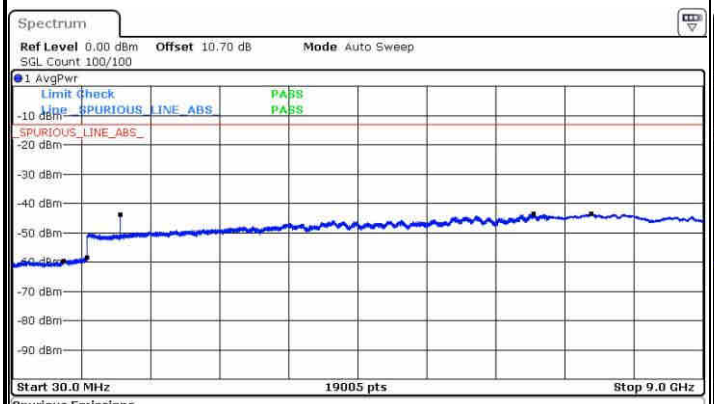
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.50525 MHz	-59.49 dBm	-46.49 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.58791 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-45.25 dBm	-32.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78328 GHz	-43.49 dBm	-30.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54861 GHz	-43.41 dBm	-30.41 dB

Date: 27.APR.2019 04:54:35

LTE Band 12 / 5MHz

Highest Channel / QPSK

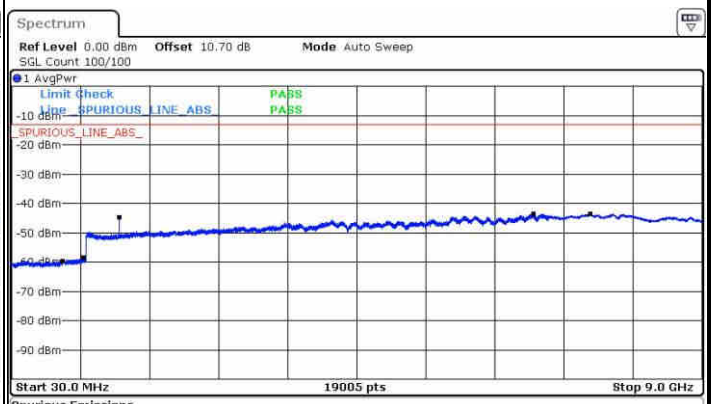


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.89805 MHz	-59.78 dBm	-46.78 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.64286 MHz	-58.46 dBm	-45.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-43.78 dBm	-30.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79228 GHz	-43.46 dBm	-30.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55211 GHz	-43.55 dBm	-30.55 dB

Date: 27.APR.2019 05:01:30

Highest Channel / 16QAM



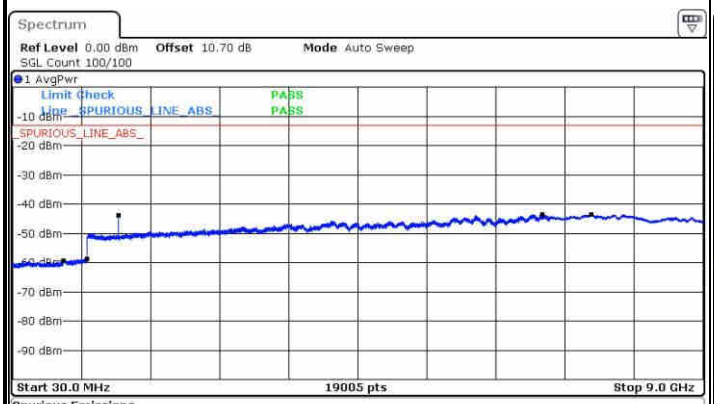
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.17541 MHz	-59.71 dBm	-46.71 dB
725.000 MHz	1.000 GHz	100.000 kHz	958.65385 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.73 dBm	-31.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80377 GHz	-43.63 dBm	-30.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.46 dBm	-30.46 dB

Date: 27.APR.2019 05:00:49

LTE Band 12 / 10MHz

Lowest Channel / QPSK

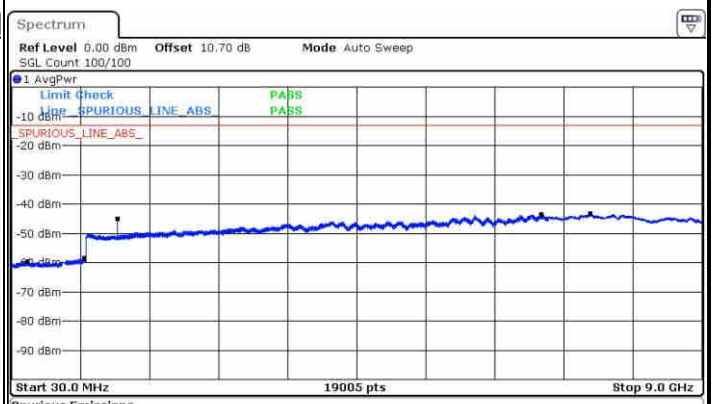


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.37 dBm	-46.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	992.71978 MHz	-58.67 dBm	-45.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.93 dBm	-30.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90676 GHz	-43.69 dBm	-30.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54261 GHz	-43.63 dBm	-30.63 dB

Date: 27.APR.2019 05:07:05

Lowest Channel / 16QAM



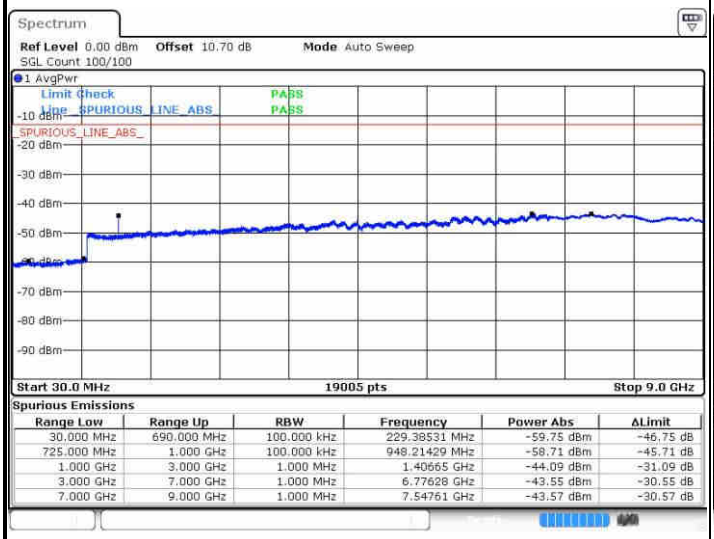
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	239.28036 MHz	-59.75 dBm	-46.75 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.13736 MHz	-58.66 dBm	-45.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-45.16 dBm	-32.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90876 GHz	-43.59 dBm	-30.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54961 GHz	-43.43 dBm	-30.43 dB

Date: 27.APR.2019 05:07:46

LTE Band 12 / 10MHz

Middle Channel / QPSK

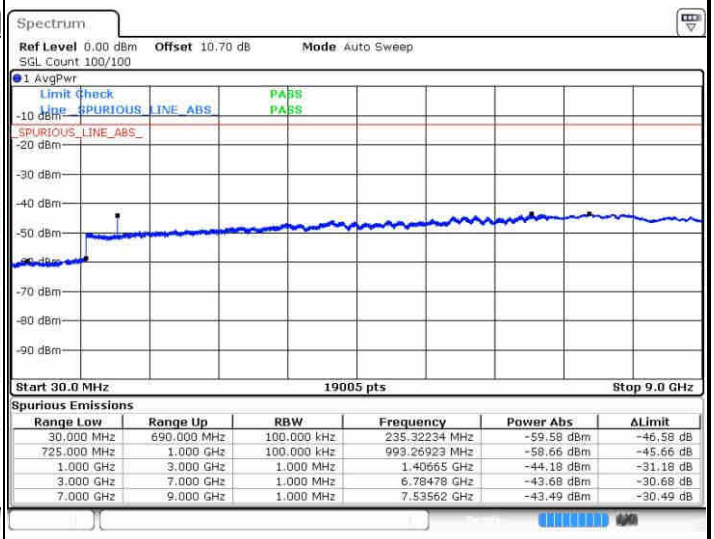


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	229.38531 MHz	-59.75 dBm	-46.75 dB
725.000 MHz	1.000 GHz	100.000 kHz	948.21429 MHz	-58.71 dBm	-45.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77628 GHz	-43.55 dBm	-30.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54761 GHz	-43.57 dBm	-30.57 dB

Date: 27.APR.2019 05:09:54

Middle Channel / 16QAM

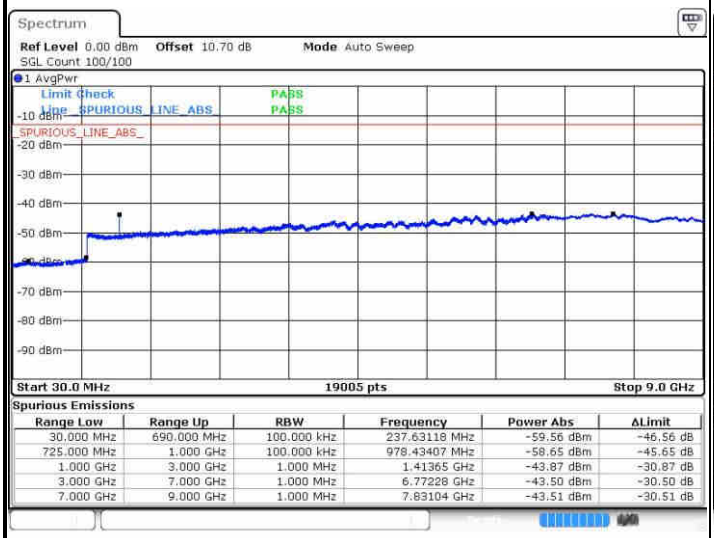


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.32234 MHz	-59.58 dBm	-46.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	993.26923 MHz	-58.66 dBm	-45.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.18 dBm	-31.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78478 GHz	-43.68 dBm	-30.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53562 GHz	-43.49 dBm	-30.49 dB

Date: 27.APR.2019 05:09:14

Highest Channel / QPSK

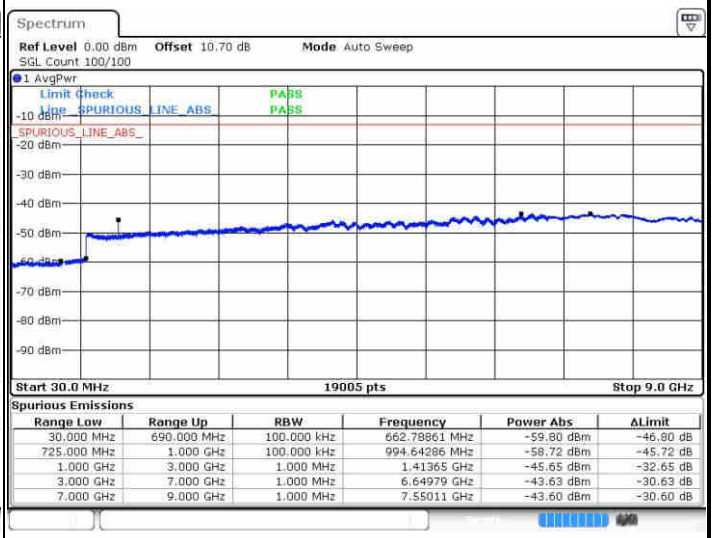


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	237.63118 MHz	-59.56 dBm	-46.56 dB
725.000 MHz	1.000 GHz	100.000 kHz	978.43407 MHz	-58.65 dBm	-45.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-43.87 dBm	-30.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77228 GHz	-43.50 dBm	-30.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.83104 GHz	-43.51 dBm	-30.51 dB

Date: 27.APR.2019 05:15:33

Highest Channel / 16QAM



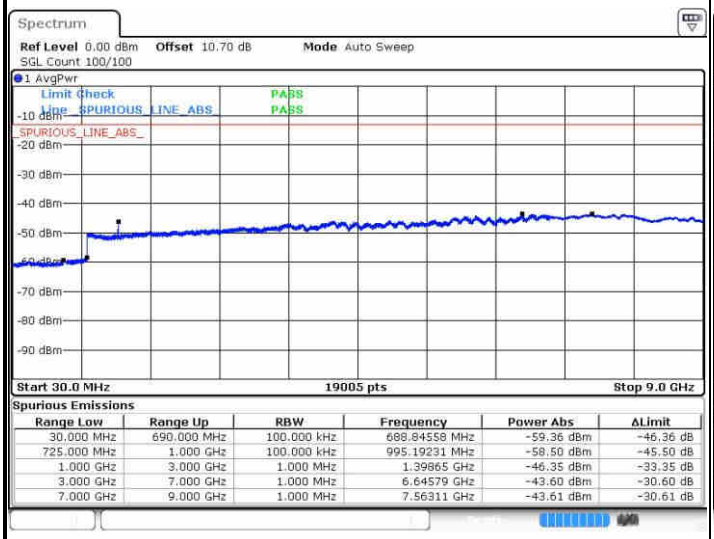
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.78861 MHz	-59.80 dBm	-46.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.64286 MHz	-58.72 dBm	-45.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.65 dBm	-32.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.64979 GHz	-43.63 dBm	-30.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55011 GHz	-43.60 dBm	-30.60 dB

Date: 27.APR.2019 05:16:14

LTE Band 12 / 1.4MHz

Lowest Channel / 64QAM

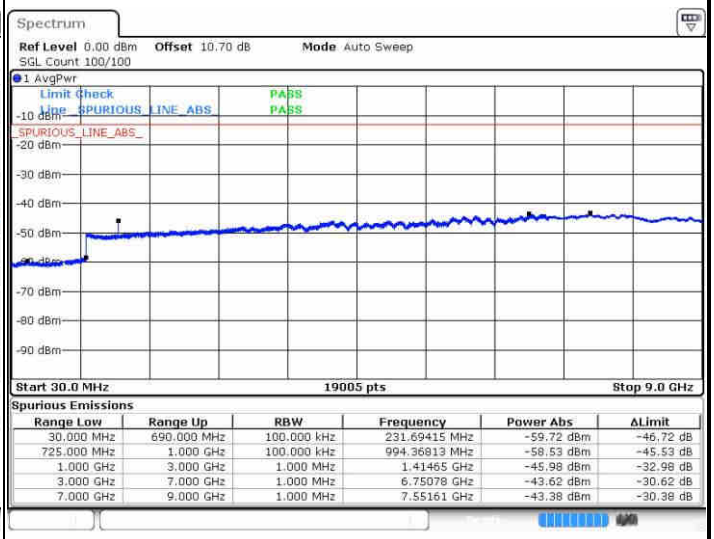


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.84558 MHz	-59.36 dBm	-46.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	995.19231 MHz	-58.50 dBm	-45.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.35 dBm	-33.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.64579 GHz	-43.60 dBm	-30.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.56311 GHz	-43.61 dBm	-30.61 dB

Date: 27.APR.2019 04:13:22

Middle Channel / 64QAM

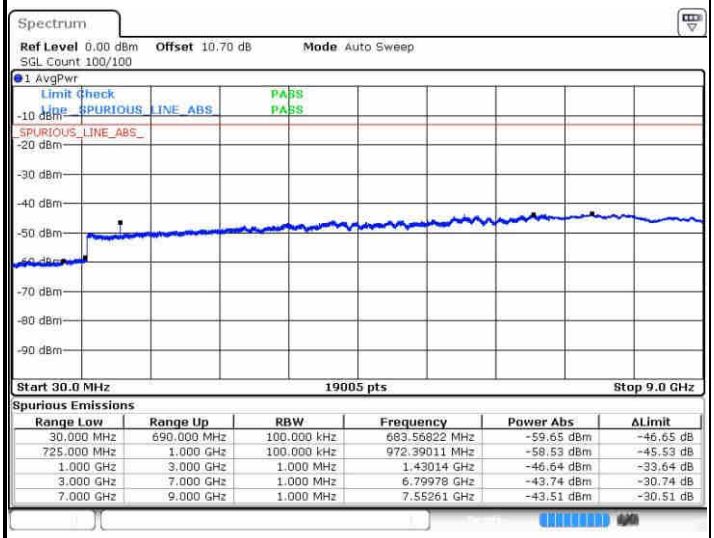


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	231.69415 MHz	-59.72 dBm	-46.72 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.36813 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-45.98 dBm	-32.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75078 GHz	-43.62 dBm	-30.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55161 GHz	-43.38 dBm	-30.38 dB

Date: 27.APR.2019 04:14:26

Highest Channel / 64QAM



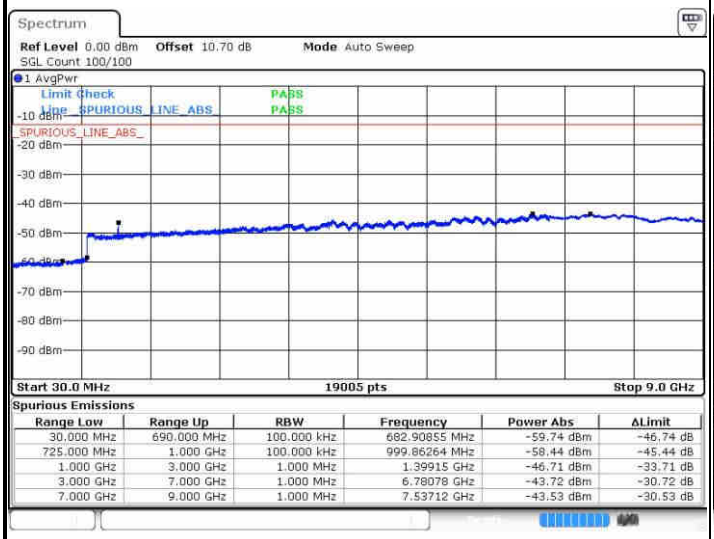
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	683.56822 MHz	-59.65 dBm	-46.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	972.39011 MHz	-58.53 dBm	-45.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-46.64 dBm	-33.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79978 GHz	-43.74 dBm	-30.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55261 GHz	-43.51 dBm	-30.51 dB

Date: 27.APR.2019 04:17:33

LTE Band 12 / 3MHz

Lowest Channel / 64QAM

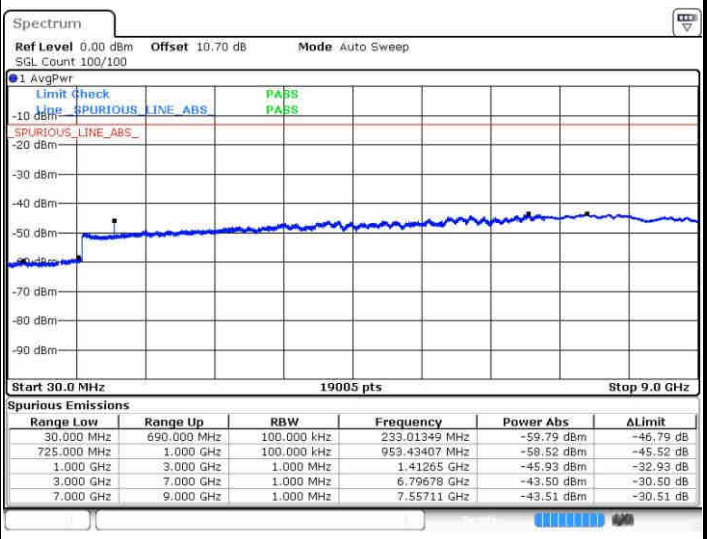


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	682.90855 MHz	-59.74 dBm	-46.74 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.86264 MHz	-58.44 dBm	-45.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.71 dBm	-33.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78078 GHz	-43.72 dBm	-30.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.53712 GHz	-43.53 dBm	-30.53 dB

Date: 27.APR.2019 04:35:20

Middle Channel / 64QAM

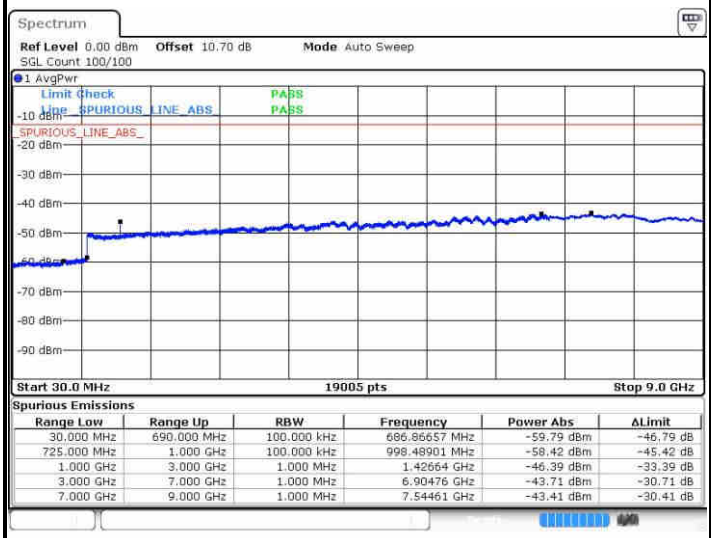


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-59.79 dBm	-46.79 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.43407 MHz	-58.52 dBm	-45.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-45.93 dBm	-32.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.79678 GHz	-43.50 dBm	-30.50 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55711 GHz	-43.51 dBm	-30.51 dB

Date: 27.APR.2019 04:36:24

Highest Channel / 64QAM



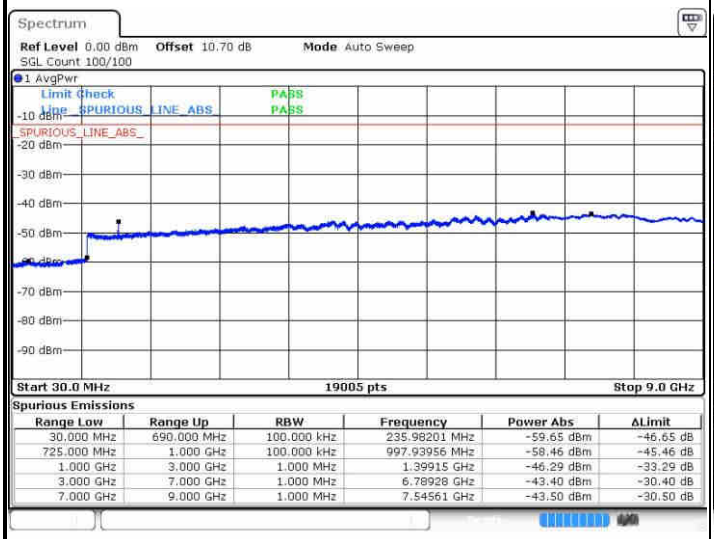
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	686.86657 MHz	-59.79 dBm	-46.79 dB
725.000 MHz	1.000 GHz	100.000 kHz	998.48901 MHz	-58.42 dBm	-45.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-46.39 dBm	-33.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90476 GHz	-43.71 dBm	-30.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54461 GHz	-43.41 dBm	-30.41 dB

Date: 27.APR.2019 04:39:31

LTE Band 12 / 5MHz

Lowest Channel / 64QAM

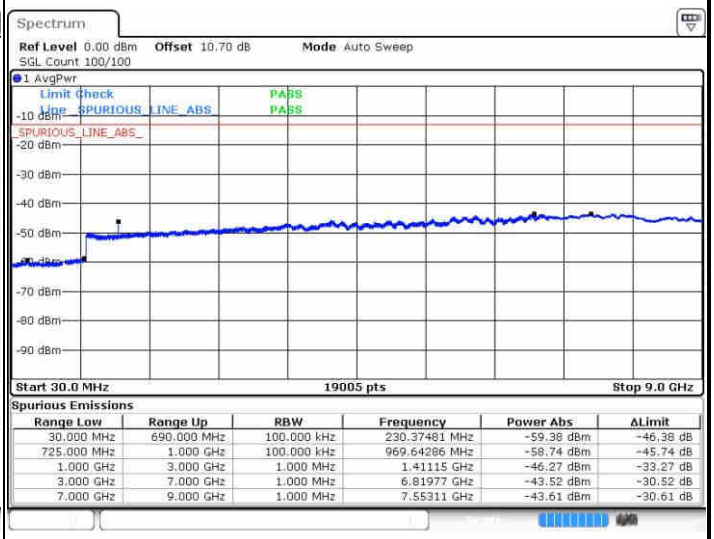


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.65 dBm	-46.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.93956 MHz	-58.46 dBm	-45.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-46.29 dBm	-33.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78928 GHz	-43.40 dBm	-30.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54561 GHz	-43.50 dBm	-30.50 dB

Date: 27.APR.2019 04:42:39

Middle Channel / 64QAM

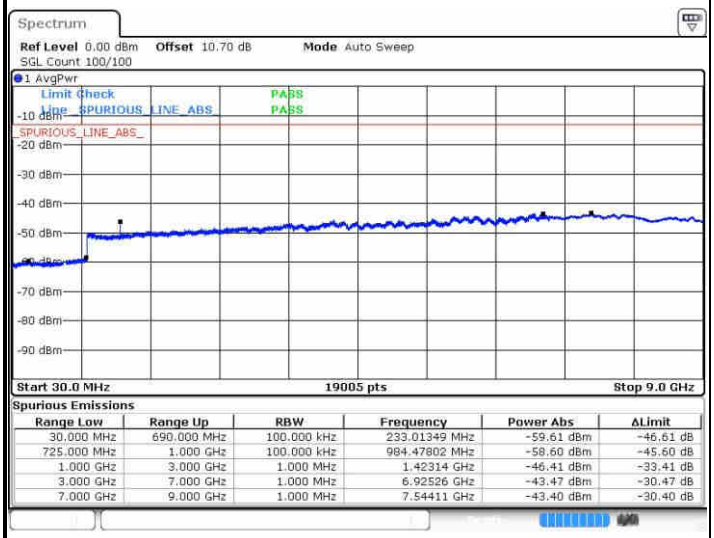


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	230.37481 MHz	-59.38 dBm	-46.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	969.64286 MHz	-58.74 dBm	-45.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-46.27 dBm	-33.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81977 GHz	-43.52 dBm	-30.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55311 GHz	-43.61 dBm	-30.61 dB

Date: 27.APR.2019 04:43:43

Highest Channel / 64QAM



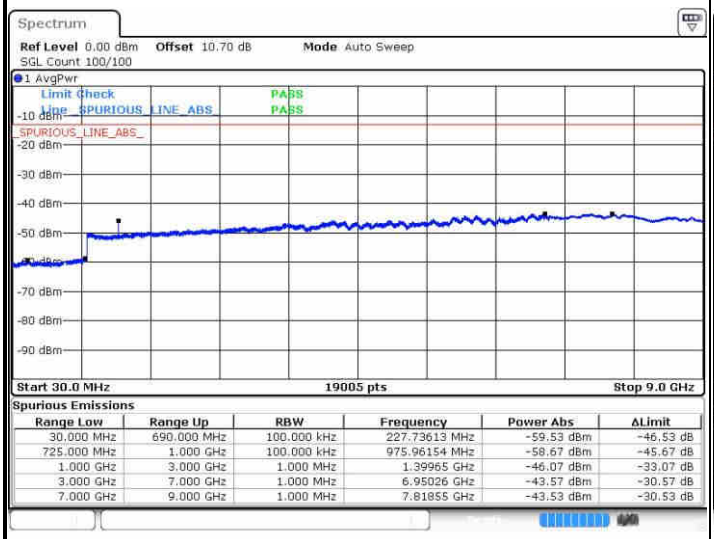
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	233.01349 MHz	-59.61 dBm	-46.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.47802 MHz	-58.60 dBm	-45.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92526 GHz	-43.47 dBm	-30.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54411 GHz	-43.40 dBm	-30.40 dB

Date: 27.APR.2019 04:46:51

LTE Band 12 / 10MHz

Lowest Channel / 64QAM

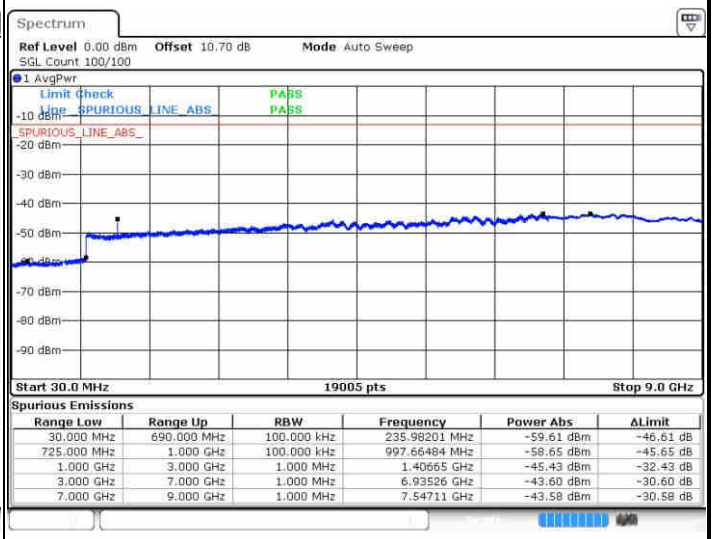


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	227.73613 MHz	-59.53 dBm	-46.53 dB
725.000 MHz	1.000 GHz	100.000 kHz	975.96154 MHz	-58.67 dBm	-45.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-46.07 dBm	-33.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95026 GHz	-43.57 dBm	-30.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.81855 GHz	-43.53 dBm	-30.53 dB

Date: 27.APR.2019 05:19:21

Middle Channel / 64QAM

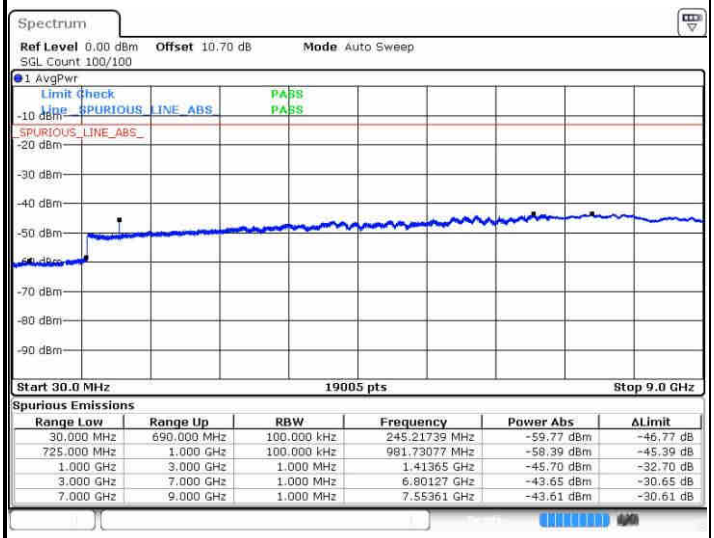


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	235.98201 MHz	-59.61 dBm	-46.61 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.66484 MHz	-58.65 dBm	-45.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-45.43 dBm	-32.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93526 GHz	-43.60 dBm	-30.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.54711 GHz	-43.58 dBm	-30.58 dB

Date: 27.APR.2019 05:20:26

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	245.21739 MHz	-59.77 dBm	-46.77 dB
725.000 MHz	1.000 GHz	100.000 kHz	981.73077 MHz	-58.39 dBm	-45.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.70 dBm	-32.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80127 GHz	-43.65 dBm	-30.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.55361 GHz	-43.61 dBm	-30.61 dB

Date: 27.APR.2019 05:23:33

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	0.0003	PASS
40	Normal Voltage	0.0196	
30	Normal Voltage	0.0116	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0175	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0137	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0172	

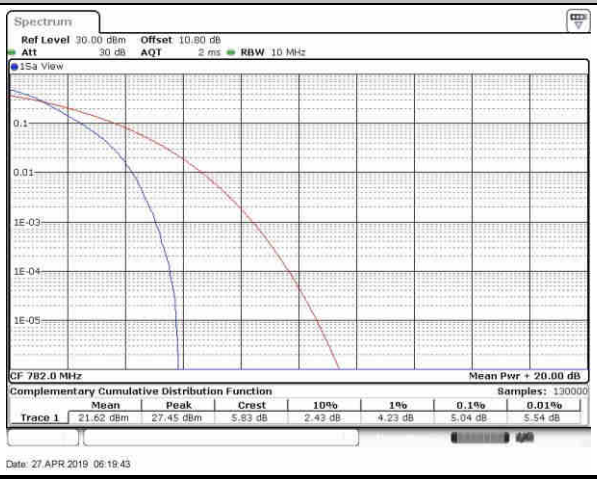
Note:

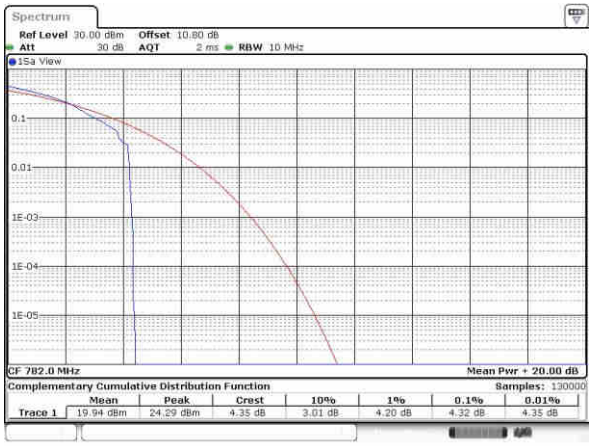
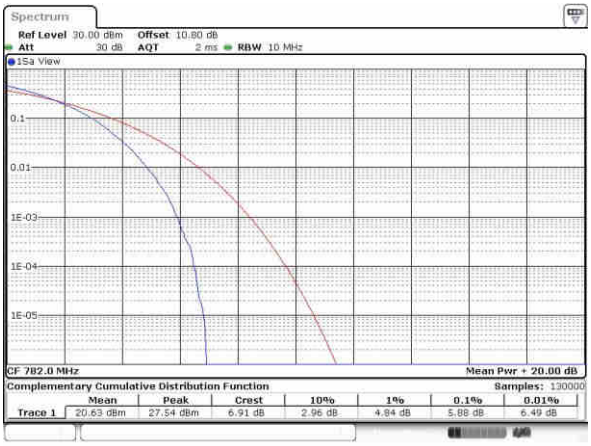
1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

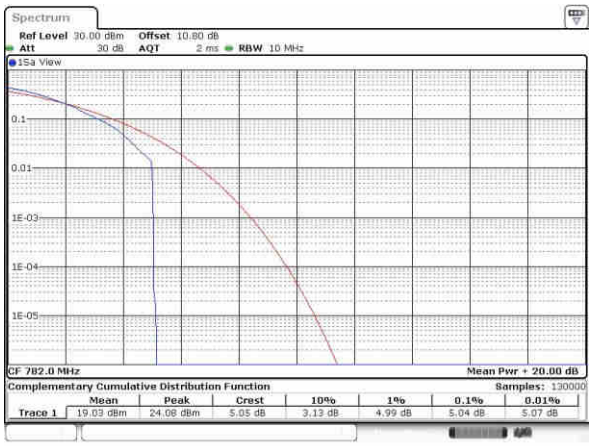
LTE Band 13

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	3.57	5.04	4.32	5.88	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	5.04	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**
	

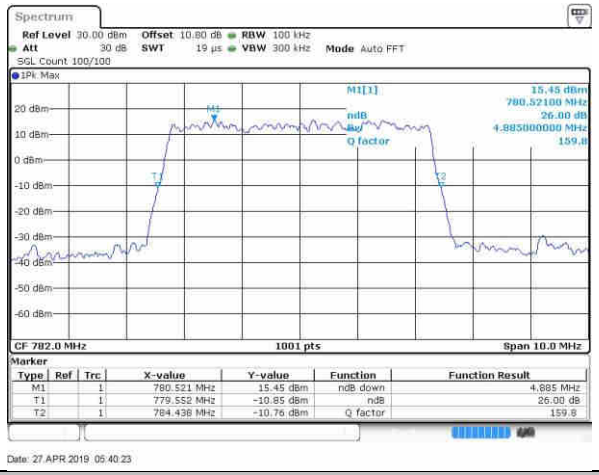
LTE Band 13 / 10MHz / 64QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

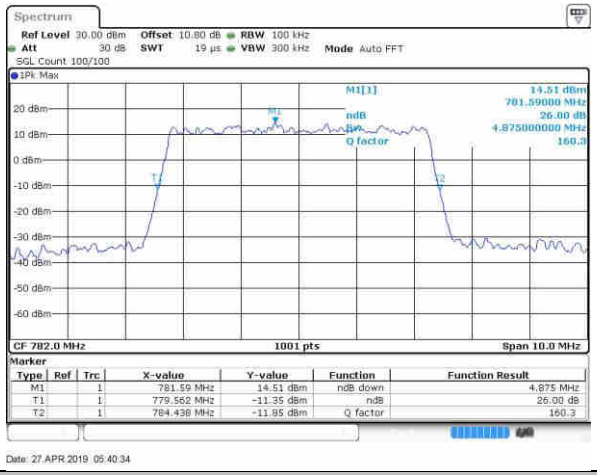
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	4.84	-	-	-	-	-	-
Middle CH	-	-	-	-	4.89	4.88	9.77	9.87	-	-	-	-
Highest CH	-	-	-	-	4.95	4.92	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.89	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.96	-	9.87	-	-	-	-	-
Highest CH	-	-	-	-	4.82	-	-	-	-	-	-	-

LTE Band 13

Middle Channel / 5MHz / QPSK

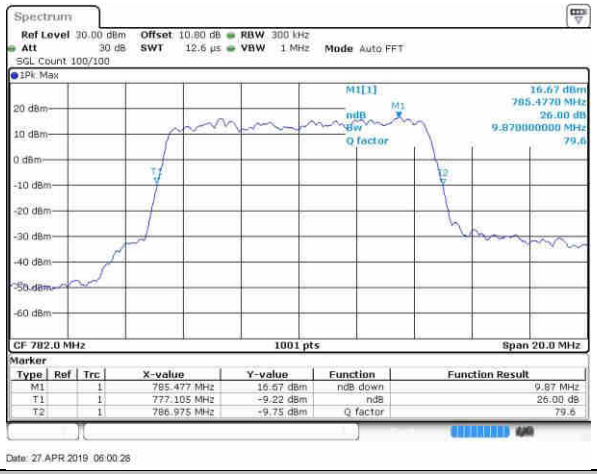


Middle Channel / 5MHz / 16QAM

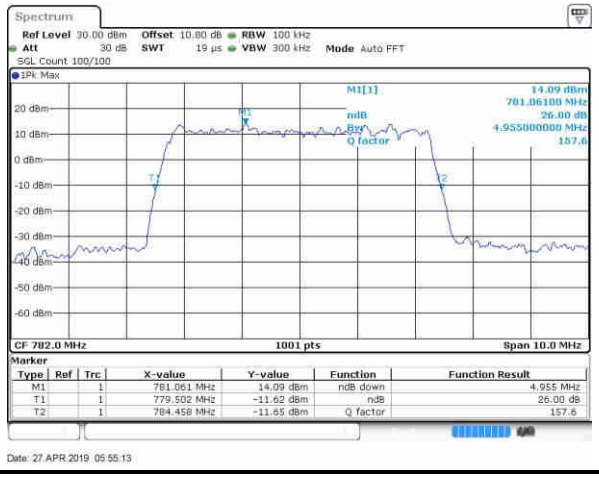


Middle Channel / 10MHz / QPSK

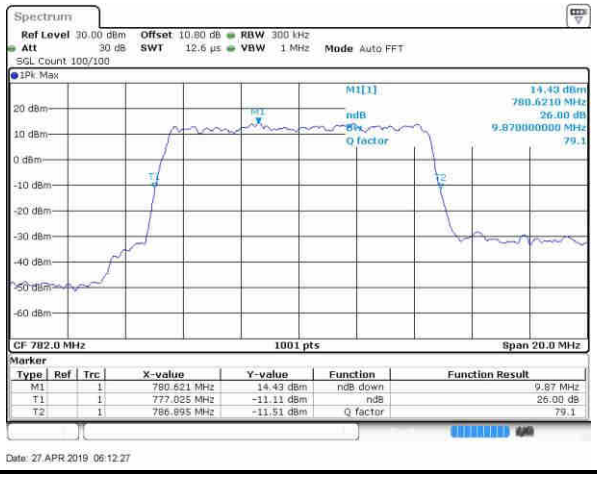
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



Middle Channel / 10MHz / 64QAM

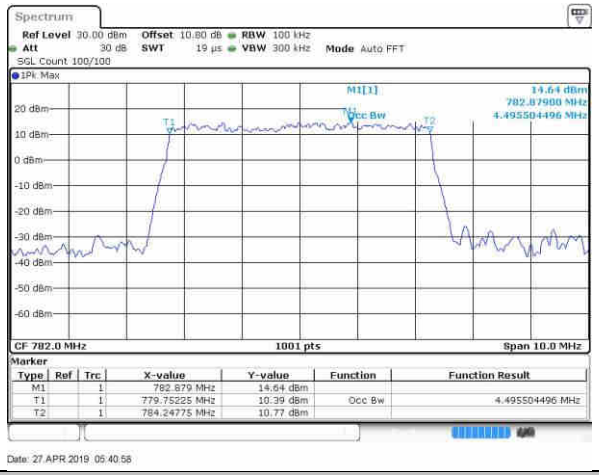


Occupied Bandwidth

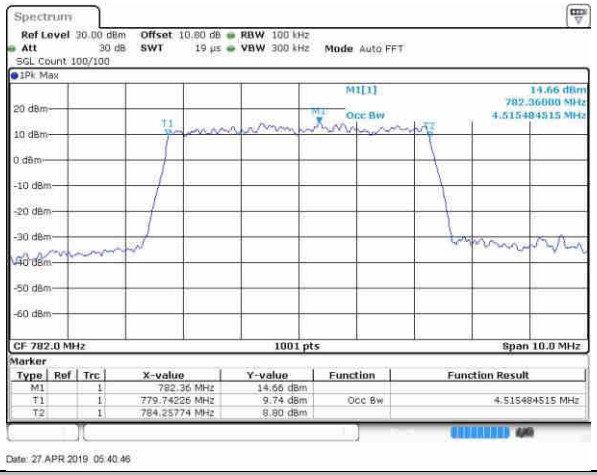
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.50	4.52	9.09	8.99	-	-	-	-
Highest CH	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.50	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	-	8.99	-	-	-	-	-
Highest CH	-	-	-	-	4.49	-	-	-	-	-	-	-

LTE Band 13

Middle Channel / 5MHz / QPSK

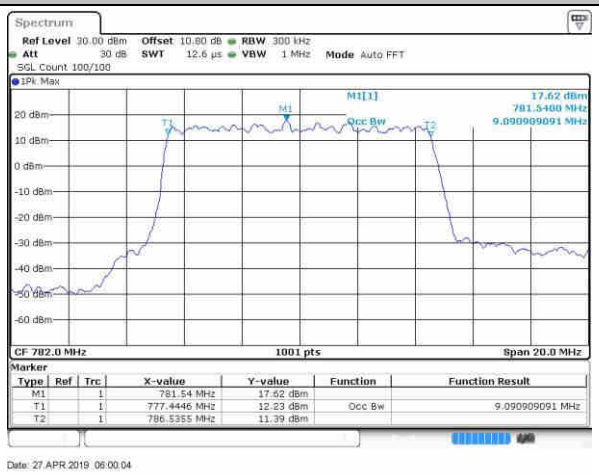


Middle Channel / 5MHz / 16QAM

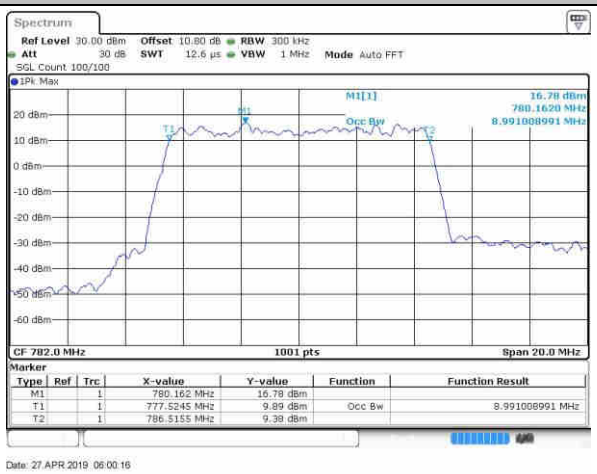


LTE Band 13

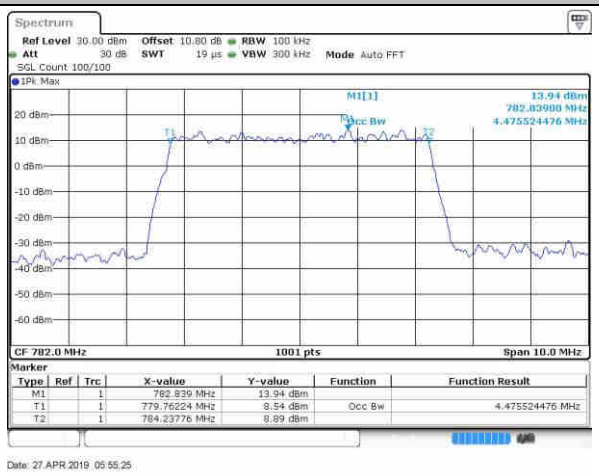
Middle Channel / 10MHz / QPSK



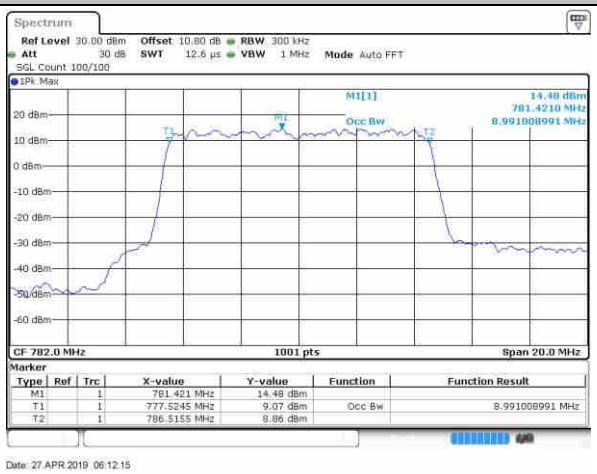
Middle Channel / 10MHz / 16QAM



Middle Channel / 5MHz / 64QAM



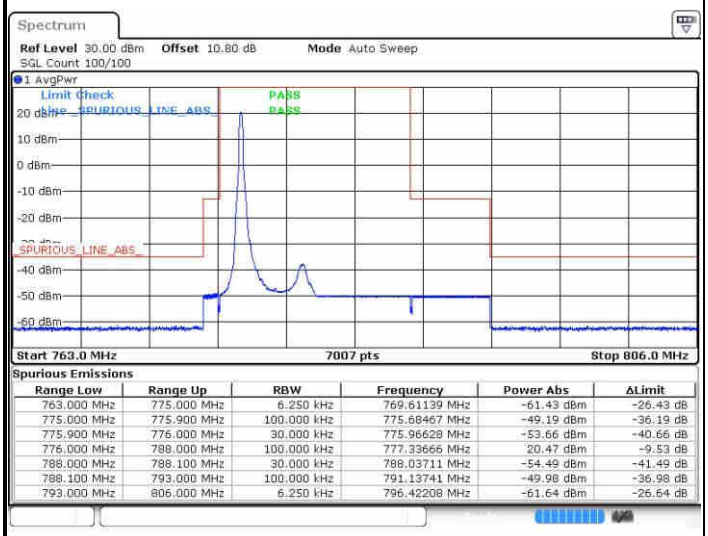
Middle Channel / 10MHz / 64QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

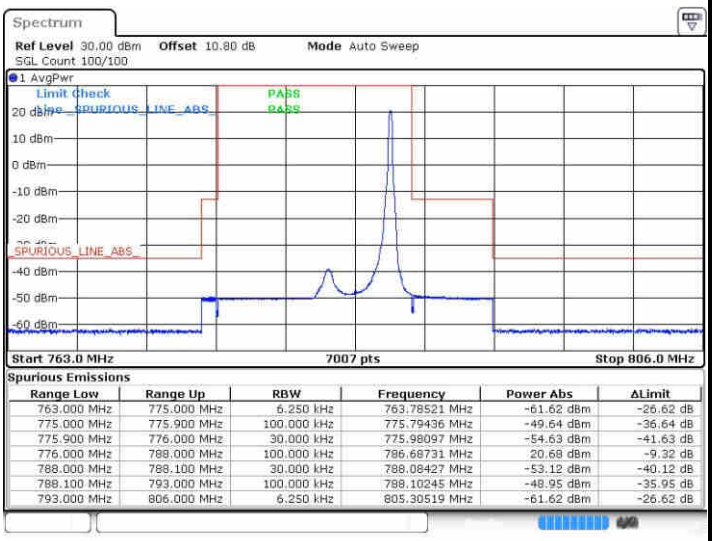


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.61139 MHz	-61.43 dBm	-26.43 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.68467 MHz	-49.19 dBm	-36.19 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96628 MHz	-53.66 dBm	-40.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	20.47 dBm	-9.53 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03711 MHz	-54.49 dBm	-41.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.13741 MHz	-49.98 dBm	-36.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.42208 MHz	-61.64 dBm	-26.64 dB

Date: 27.APR.2019 05:37:28

Highest Band Edge / 1 RB

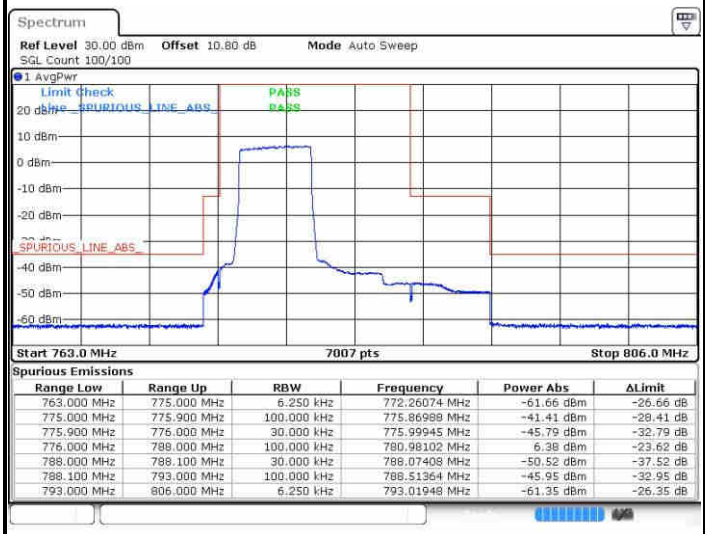


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	763.78521 MHz	-61.62 dBm	-26.62 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.79436 MHz	-49.64 dBm	-36.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98097 MHz	-54.63 dBm	-41.63 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	20.68 dBm	-9.32 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08427 MHz	-53.12 dBm	-40.12 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-48.95 dBm	-35.95 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.30519 MHz	-61.62 dBm	-26.62 dB

Date: 27.APR.2019 05:48:31

Lowest Band Edge / Full RB

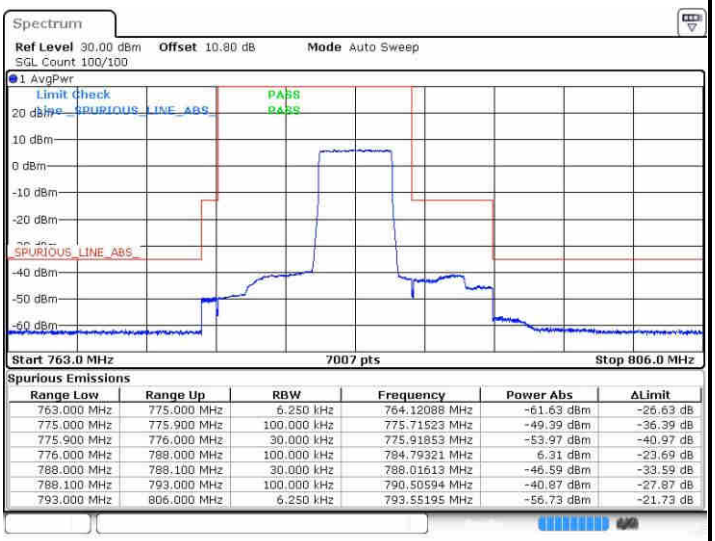


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.26074 MHz	-61.66 dBm	-26.66 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86988 MHz	-41.41 dBm	-28.41 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99945 MHz	-45.79 dBm	-32.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.98102 MHz	6.38 dBm	-23.62 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07408 MHz	-50.52 dBm	-37.52 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.51364 MHz	-45.95 dBm	-32.95 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-61.35 dBm	-26.35 dB

Date: 27.APR.2019 05:32:24

Highest Band Edge / Full RB



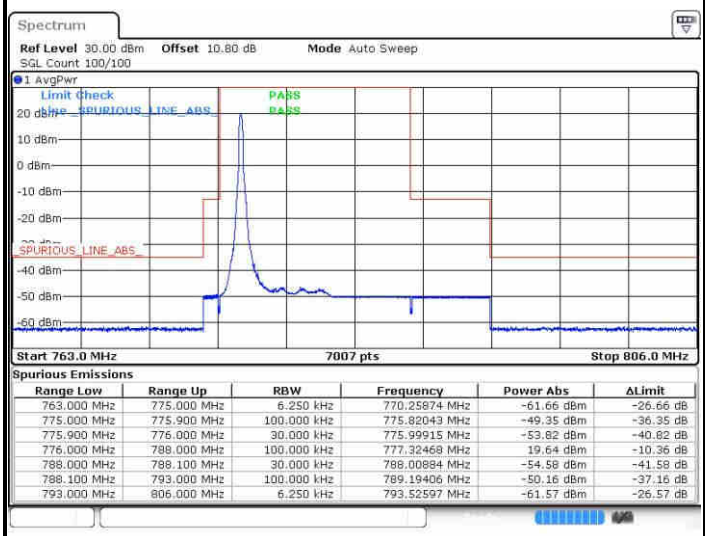
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.12088 MHz	-61.63 dBm	-26.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.71523 MHz	-49.39 dBm	-36.39 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91853 MHz	-53.97 dBm	-40.97 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.79321 MHz	6.31 dBm	-23.69 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01613 MHz	-46.59 dBm	-33.59 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.50594 MHz	-40.87 dBm	-27.87 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.55195 MHz	-56.73 dBm	-21.73 dB

Date: 27.APR.2019 05:43:27

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

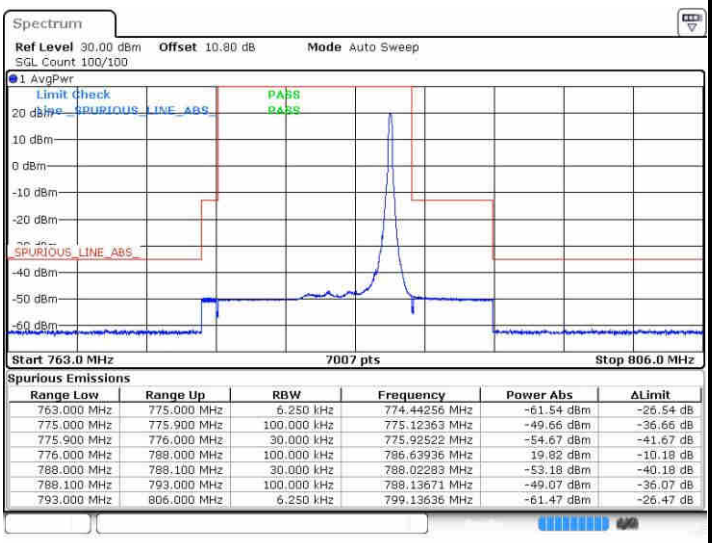


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.25874 MHz	-61.66 dBm	-26.66 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82043 MHz	-49.35 dBm	-36.35 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99915 MHz	-53.82 dBm	-40.82 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.32468 MHz	19.64 dBm	-10.36 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00884 MHz	-54.58 dBm	-41.58 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.19406 MHz	-50.16 dBm	-37.16 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.52597 MHz	-61.57 dBm	-26.57 dB

Date: 27.APR.2019 05:35:47

Highest Band Edge / 1 RB

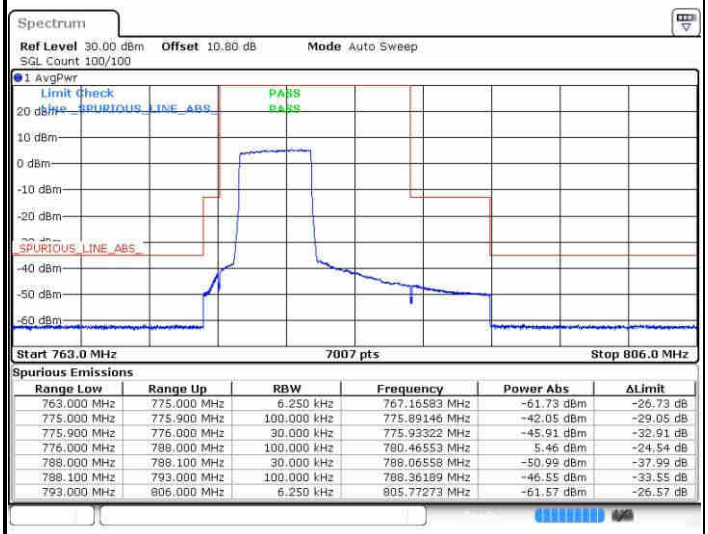


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.44256 MHz	-61.54 dBm	-26.54 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.12363 MHz	-49.66 dBm	-36.66 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92522 MHz	-54.67 dBm	-41.67 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	19.82 dBm	-10.18 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02283 MHz	-53.18 dBm	-40.18 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.13671 MHz	-49.07 dBm	-36.07 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.13636 MHz	-61.47 dBm	-26.47 dB

Date: 27.APR.2019 05:46:50

Lowest Band Edge / Full RB

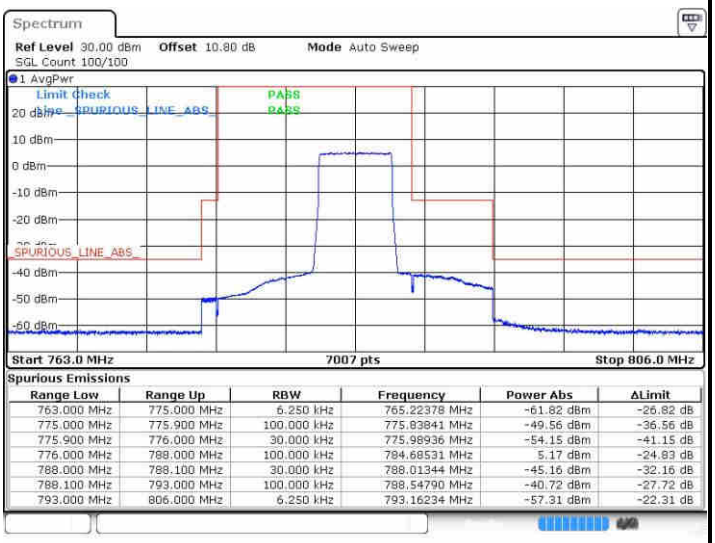


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.16583 MHz	-61.73 dBm	-26.73 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89146 MHz	-42.05 dBm	-29.05 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93322 MHz	-45.91 dBm	-32.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.46553 MHz	5.46 dBm	-24.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06558 MHz	-50.99 dBm	-37.99 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.36189 MHz	-46.55 dBm	-33.55 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.77273 MHz	-61.57 dBm	-26.57 dB

Date: 27.APR.2019 05:34:06

Highest Band Edge / Full RB



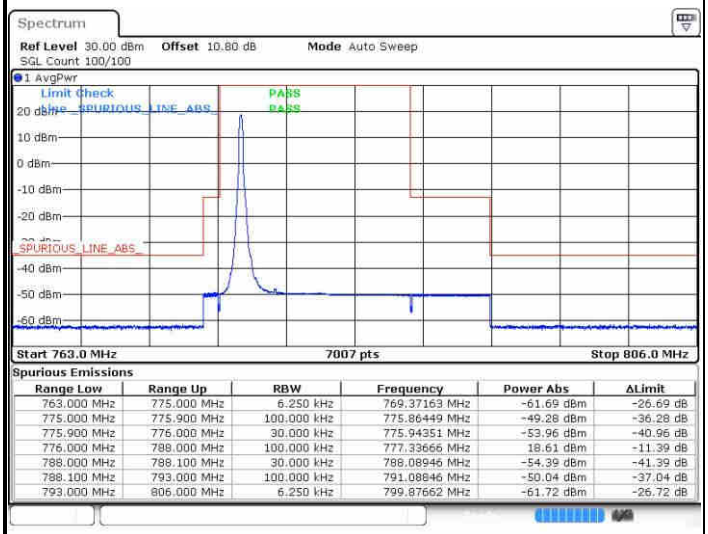
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.22378 MHz	-61.82 dBm	-26.82 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83841 MHz	-49.56 dBm	-36.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98936 MHz	-54.15 dBm	-41.15 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.68531 MHz	5.17 dBm	-24.83 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01344 MHz	-45.16 dBm	-32.16 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.54790 MHz	-40.72 dBm	-27.72 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.16234 MHz	-57.31 dBm	-22.31 dB

Date: 27.APR.2019 05:45:08

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

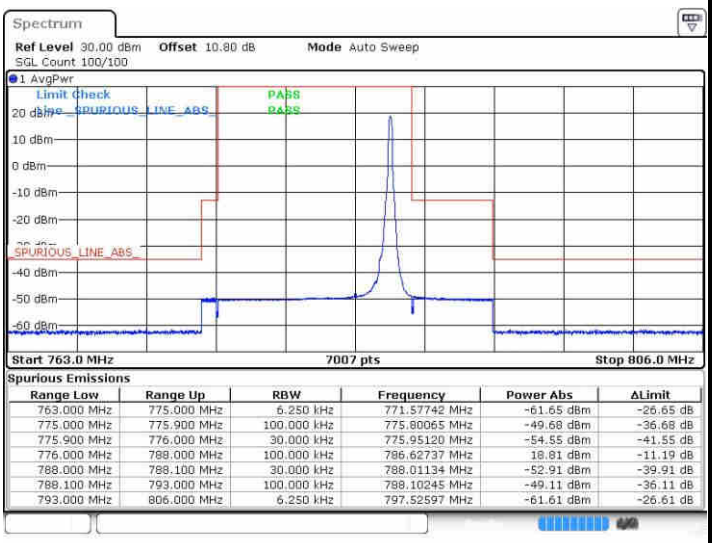


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.37163 MHz	-61.69 dBm	-26.69 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86449 MHz	-49.28 dBm	-36.28 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94351 MHz	-53.96 dBm	-40.96 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	18.61 dBm	-11.39 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08946 MHz	-54.39 dBm	-41.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.08846 MHz	-50.04 dBm	-37.04 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.87662 MHz	-61.72 dBm	-26.72 dB

Date: 27.APR.2019 05:53:40

Highest Band Edge / 1 RB

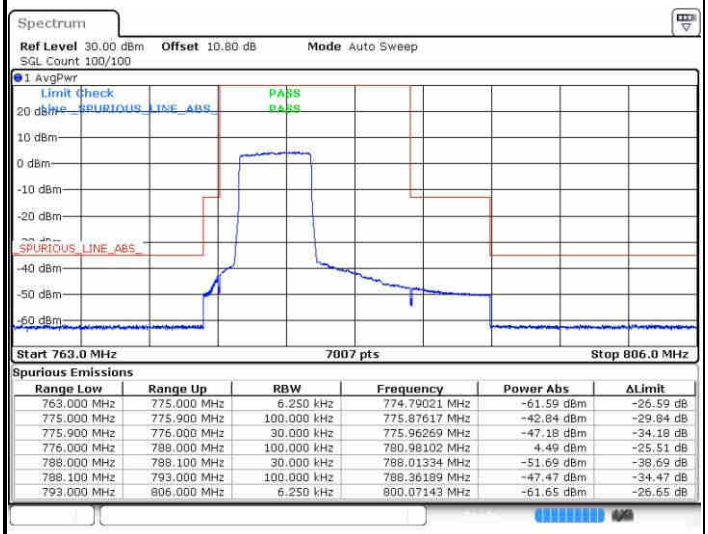


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.57742 MHz	-61.65 dBm	-26.65 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80065 MHz	-49.68 dBm	-36.68 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95120 MHz	-54.55 dBm	-41.55 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	18.81 dBm	-11.19 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01134 MHz	-52.91 dBm	-39.91 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-49.11 dBm	-36.11 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.52597 MHz	-61.61 dBm	-26.61 dB

Date: 27.APR.2019 05:59:11

Lowest Band Edge / Full RB

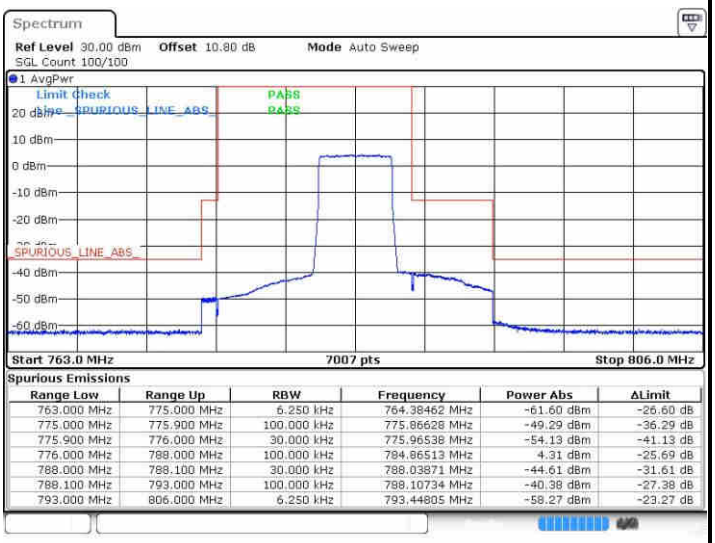


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.79021 MHz	-61.59 dBm	-26.59 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87617 MHz	-42.84 dBm	-29.84 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96269 MHz	-47.18 dBm	-34.18 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.98102 MHz	4.49 dBm	-25.51 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01334 MHz	-51.69 dBm	-38.69 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.36189 MHz	-47.47 dBm	-34.47 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.07143 MHz	-61.65 dBm	-26.65 dB

Date: 27.APR.2019 05:51:58

Highest Band Edge / Full RB



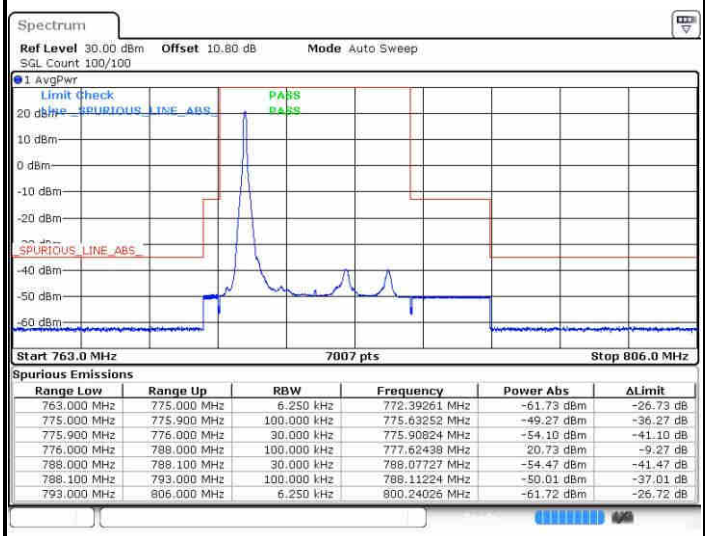
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.38462 MHz	-61.60 dBm	-26.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86628 MHz	-49.29 dBm	-36.29 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96538 MHz	-54.13 dBm	-41.13 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.86513 MHz	4.31 dBm	-25.69 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03871 MHz	-44.61 dBm	-31.61 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-40.38 dBm	-27.38 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.44805 MHz	-58.27 dBm	-23.27 dB

Date: 27.APR.2019 05:57:29

LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

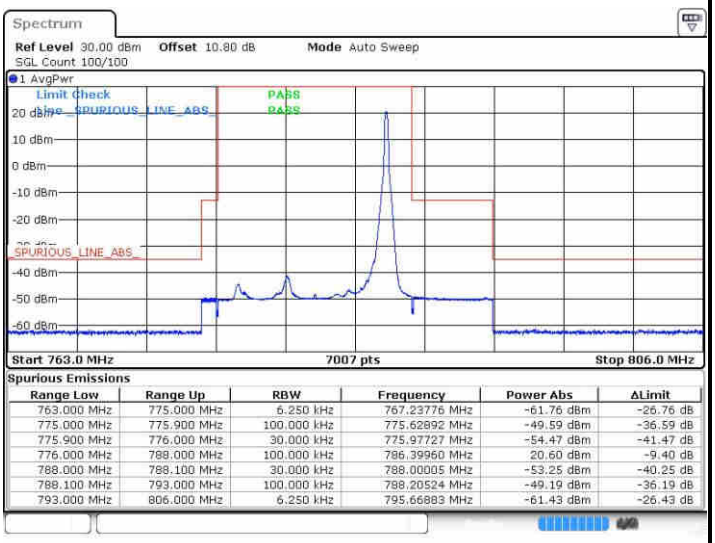


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.39261 MHz	-61.73 dBm	-26.73 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.63252 MHz	-49.27 dBm	-36.27 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90824 MHz	-54.10 dBm	-41.10 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.62438 MHz	20.73 dBm	-9.27 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07727 MHz	-54.47 dBm	-41.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-50.01 dBm	-37.01 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.24026 MHz	-61.72 dBm	-26.72 dB

Date: 27.APR.2019 06:07:21

Highest Band Edge / 1 RB

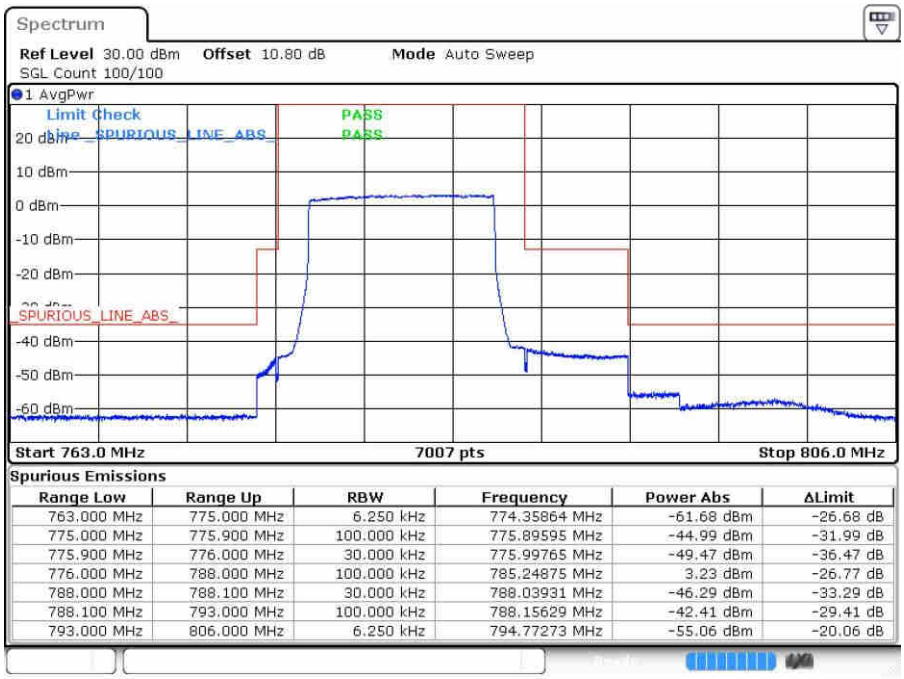


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.23776 MHz	-61.76 dBm	-26.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.62892 MHz	-49.59 dBm	-36.59 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97727 MHz	-54.47 dBm	-41.47 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	20.60 dBm	-9.40 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-53.25 dBm	-40.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20524 MHz	-49.19 dBm	-36.19 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.66883 MHz	-61.43 dBm	-26.43 dB

Date: 27.APR.2019 06:09:01

Band Edge / Full RB



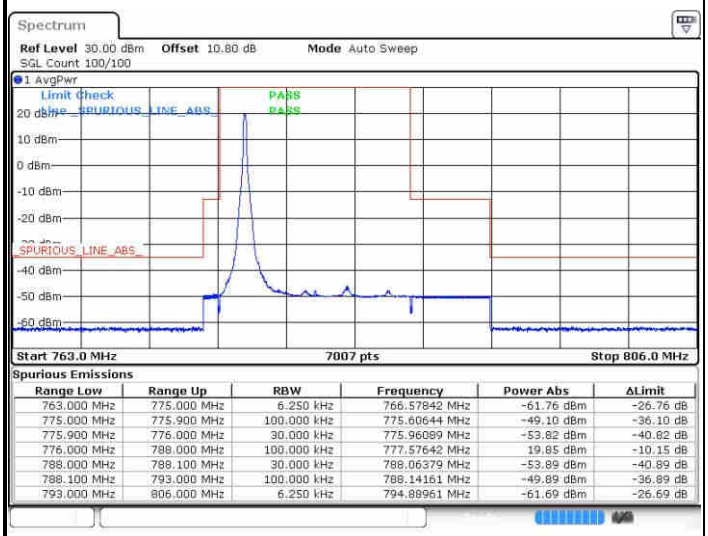
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.35864 MHz	-61.68 dBm	-26.68 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89595 MHz	-44.99 dBm	-31.99 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99765 MHz	-49.47 dBm	-36.47 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.24875 MHz	3.23 dBm	-26.77 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03931 MHz	-46.29 dBm	-33.29 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15629 MHz	-42.41 dBm	-29.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.77273 MHz	-55.06 dBm	-20.06 dB

Date: 27.APR.2019 06:02:19

LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

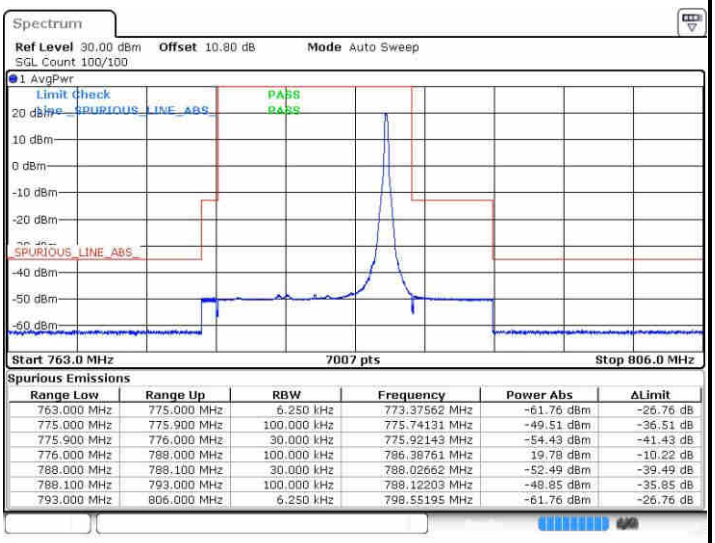


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.57842 MHz	-61.76 dBm	-26.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.60644 MHz	-49.10 dBm	-36.10 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96089 MHz	-53.82 dBm	-40.82 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	19.85 dBm	-10.15 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06379 MHz	-53.89 dBm	-40.89 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14161 MHz	-49.89 dBm	-36.89 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.88961 MHz	-61.69 dBm	-26.69 dB

Date: 27.APR.2019 06:05:40

Highest Band Edge / 1 RB

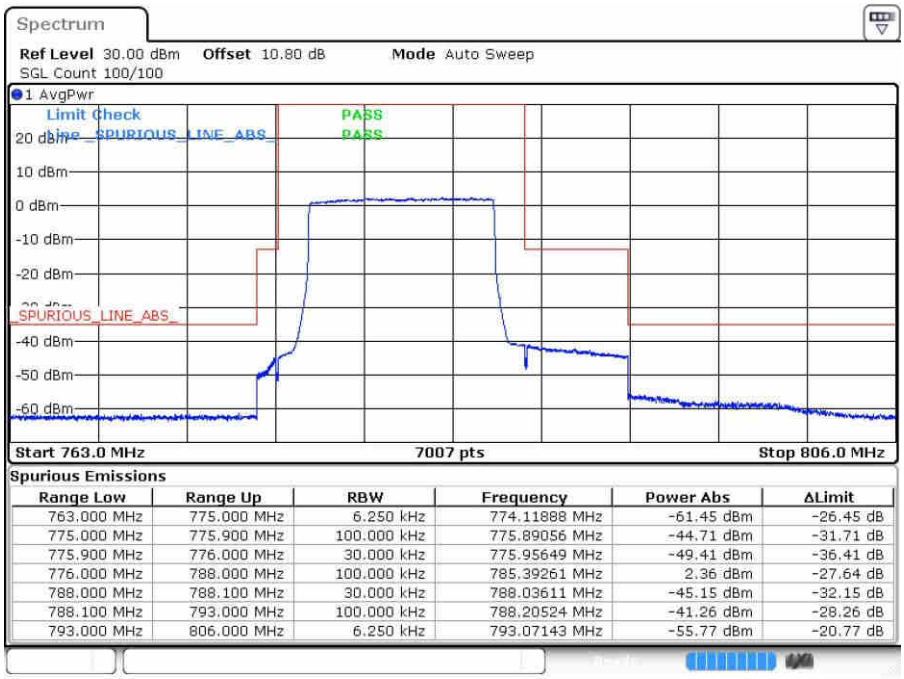


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.37562 MHz	-61.76 dBm	-26.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.74131 MHz	-49.51 dBm	-36.51 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92143 MHz	-54.43 dBm	-41.43 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	19.78 dBm	-10.22 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02662 MHz	-52.49 dBm	-39.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-48.85 dBm	-35.85 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.55195 MHz	-61.76 dBm	-26.76 dB

Date: 27.APR.2019 06:10:42

Band Edge / Full RB



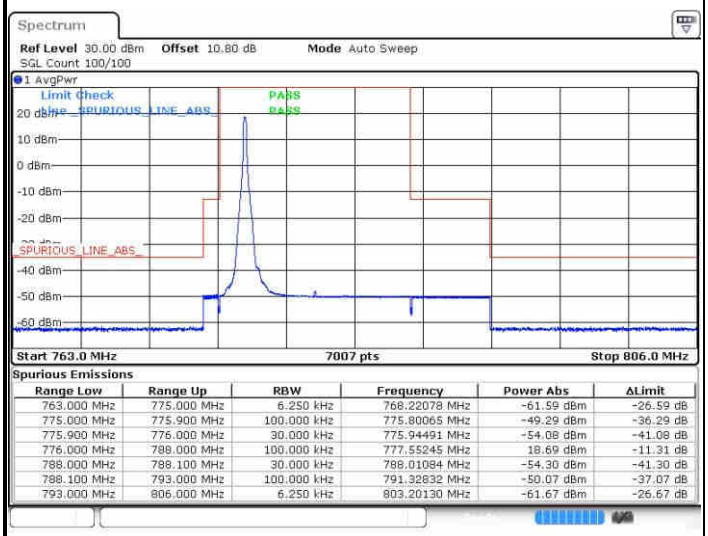
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.11888 MHz	-61.45 dBm	-26.45 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89056 MHz	-44.71 dBm	-31.71 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95649 MHz	-49.41 dBm	-36.41 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.39261 MHz	2.36 dBm	-27.64 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03611 MHz	-45.15 dBm	-32.15 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20524 MHz	-41.26 dBm	-28.26 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.07143 MHz	-55.77 dBm	-20.77 dB

Date: 27.APR.2019 06:04:00

LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

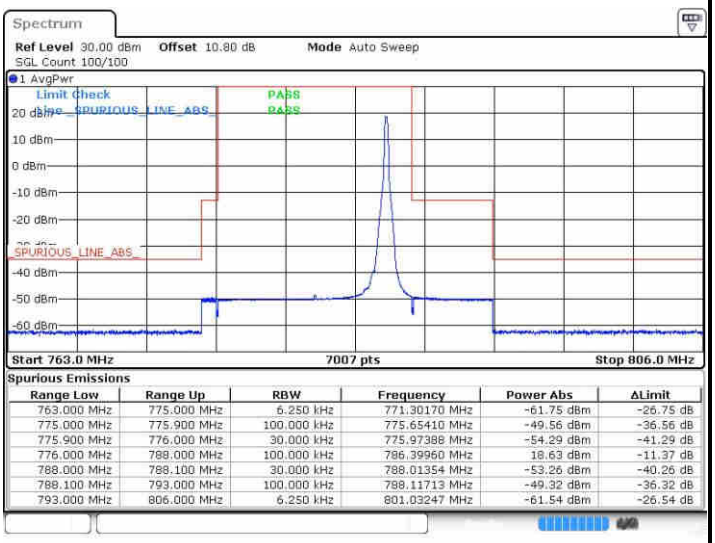


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.22078 MHz	-61.59 dBm	-26.59 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80065 MHz	-49.29 dBm	-36.29 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94491 MHz	-54.08 dBm	-41.08 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.55245 MHz	18.69 dBm	-11.31 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01084 MHz	-54.30 dBm	-41.30 dB
788.100 MHz	793.000 MHz	100.000 kHz	791.32832 MHz	-50.07 dBm	-37.07 dB
793.000 MHz	806.000 MHz	6.250 kHz	803.20130 MHz	-61.67 dBm	-26.67 dB

Date: 27.APR.2019 06:15:47

Highest Band Edge / 1 RB

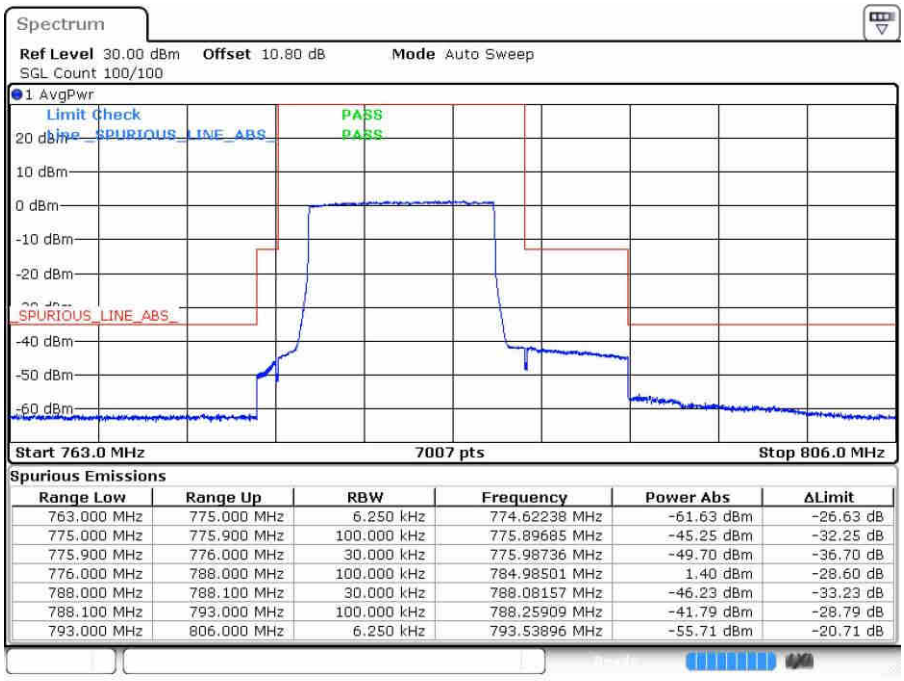


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.30170 MHz	-61.75 dBm	-26.75 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.65410 MHz	-49.56 dBm	-36.56 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97388 MHz	-54.29 dBm	-41.29 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.39960 MHz	18.63 dBm	-11.37 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01354 MHz	-53.26 dBm	-40.26 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11713 MHz	-49.32 dBm	-36.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.03247 MHz	-61.54 dBm	-26.54 dB

Date: 27.APR.2019 06:17:28

Band Edge / Full RB



Spurious Emissions

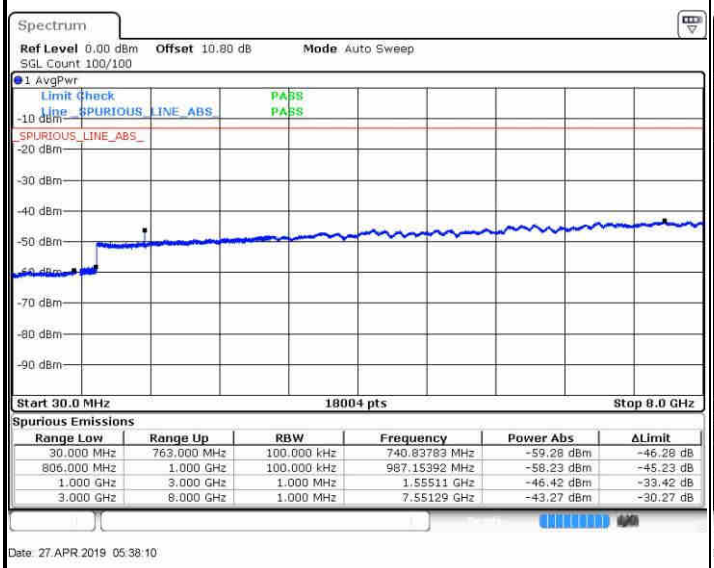
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.62238 MHz	-61.63 dBm	-26.63 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89685 MHz	-45.25 dBm	-32.25 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98736 MHz	-49.70 dBm	-36.70 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.98501 MHz	1.40 dBm	-28.60 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08157 MHz	-46.23 dBm	-33.23 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25909 MHz	-41.79 dBm	-28.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.53896 MHz	-55.71 dBm	-20.71 dB

Date: 27.APR.2019 06:14:07

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

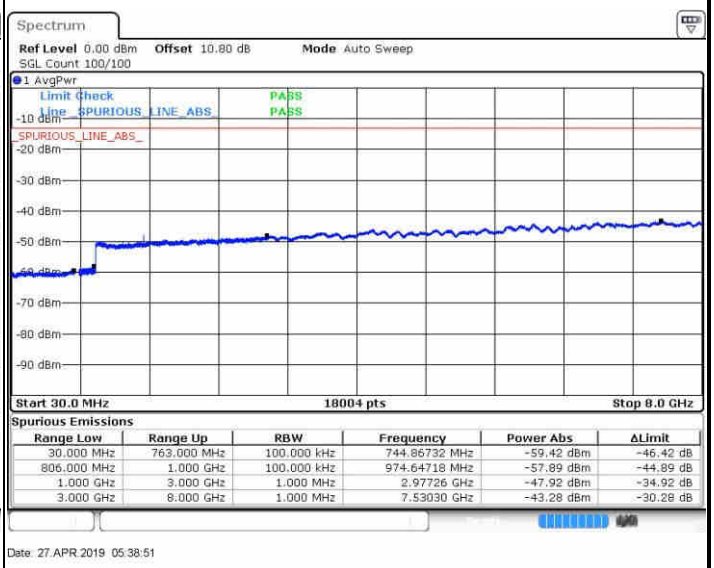


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	740.83783 MHz	-59.28 dBm	-46.28 dB
806.000 MHz	1.000 GHz	100.000 kHz	987.15392 MHz	-58.23 dBm	-45.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-46.42 dBm	-33.42 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55129 GHz	-43.27 dBm	-30.27 dB

Date: 27.APR.2019 05:38:10

Lowest Channel / 16QAM

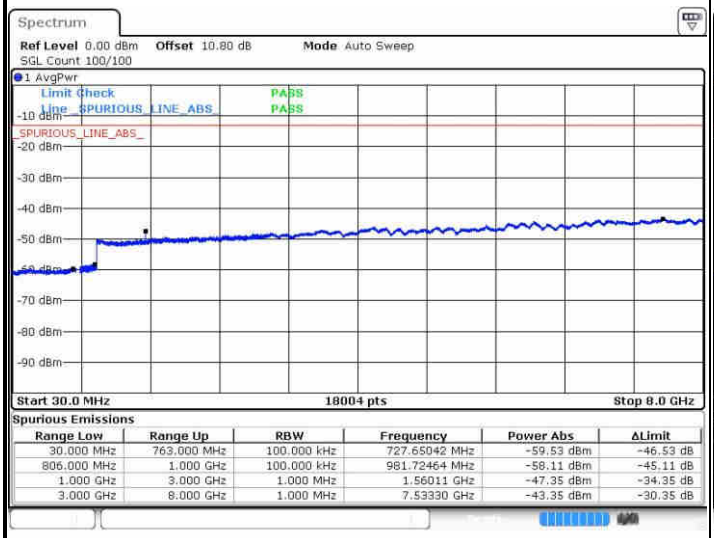


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	744.86732 MHz	-59.42 dBm	-46.42 dB
806.000 MHz	1.000 GHz	100.000 kHz	974.64718 MHz	-57.89 dBm	-44.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97726 GHz	-47.92 dBm	-34.92 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.53030 GHz	-43.28 dBm	-30.28 dB

Date: 27.APR.2019 05:38:51

Middle Channel / QPSK

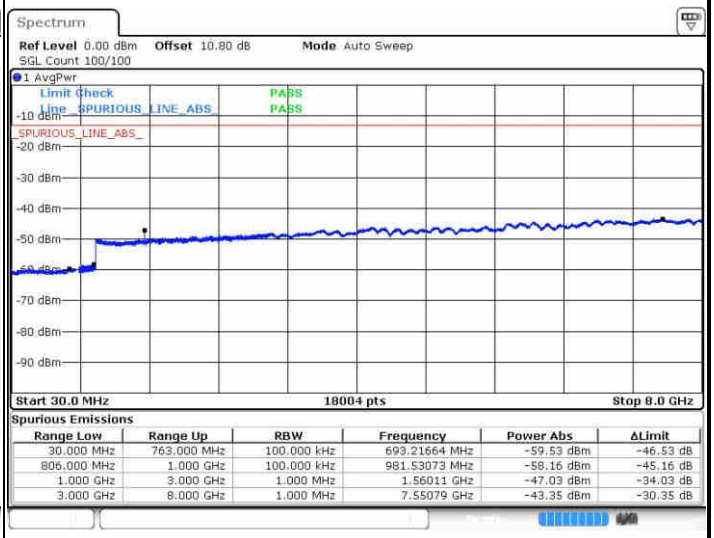


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	727.65042 MHz	-59.53 dBm	-46.53 dB
806.000 MHz	1.000 GHz	100.000 kHz	981.72464 MHz	-58.11 dBm	-45.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-47.35 dBm	-34.35 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.53330 GHz	-43.35 dBm	-30.35 dB

Date: 27.APR.2019 05:40:11

Middle Channel / 16QAM



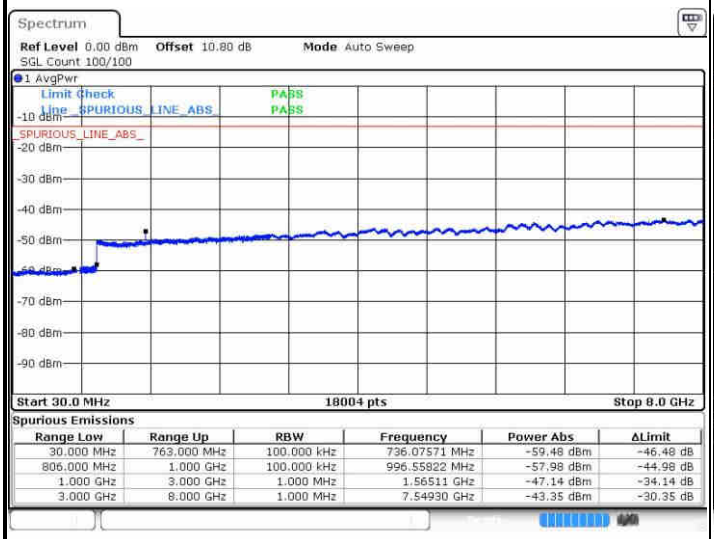
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	693.21664 MHz	-59.53 dBm	-46.53 dB
806.000 MHz	1.000 GHz	100.000 kHz	981.53073 MHz	-58.16 dBm	-45.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-47.03 dBm	-34.03 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55079 GHz	-43.35 dBm	-30.35 dB

Date: 27.APR.2019 05:39:31

LTE Band 13 / 5MHz

Highest Channel / QPSK

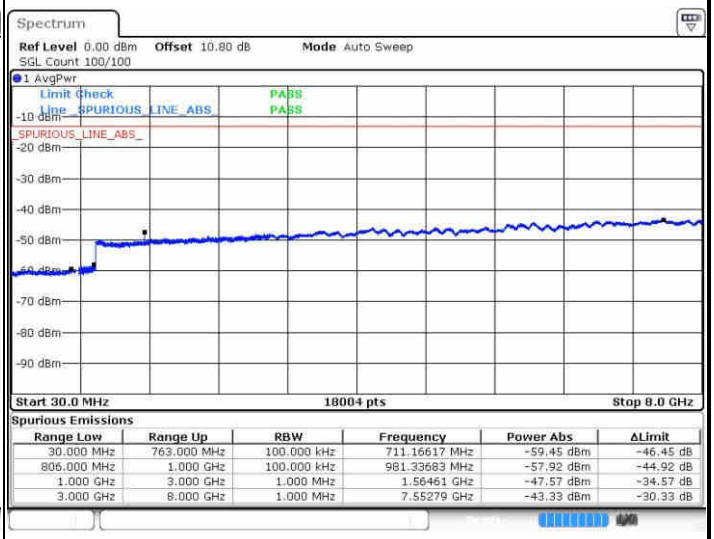


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	736.07571 MHz	-59.48 dBm	-46.48 dB
806.000 MHz	1.000 GHz	100.000 kHz	996.55822 MHz	-57.98 dBm	-44.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-47.14 dBm	-34.14 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54930 GHz	-43.35 dBm	-30.35 dB

Date: 27.APR.2019 05:49:13

Highest Channel / 16QAM



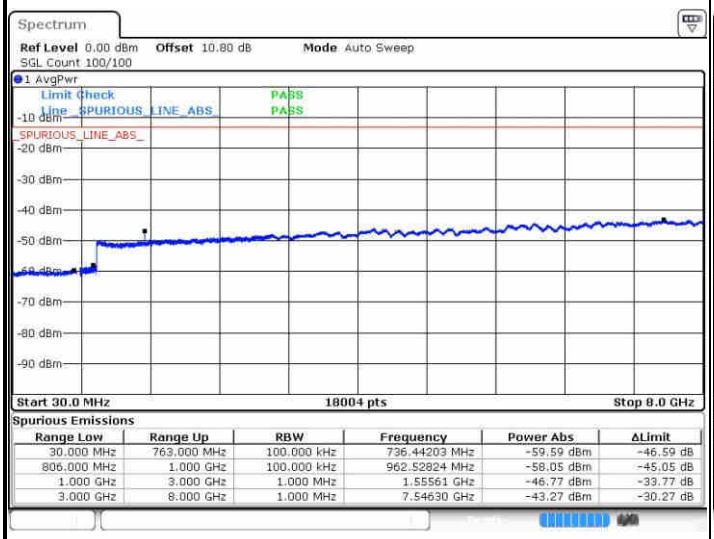
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	711.16617 MHz	-59.45 dBm	-46.45 dB
806.000 MHz	1.000 GHz	100.000 kHz	981.33683 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56461 GHz	-47.57 dBm	-34.57 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55279 GHz	-43.33 dBm	-30.33 dB

Date: 27.APR.2019 05:49:53

LTE Band 13 / 10MHz

Middle Channel / QPSK

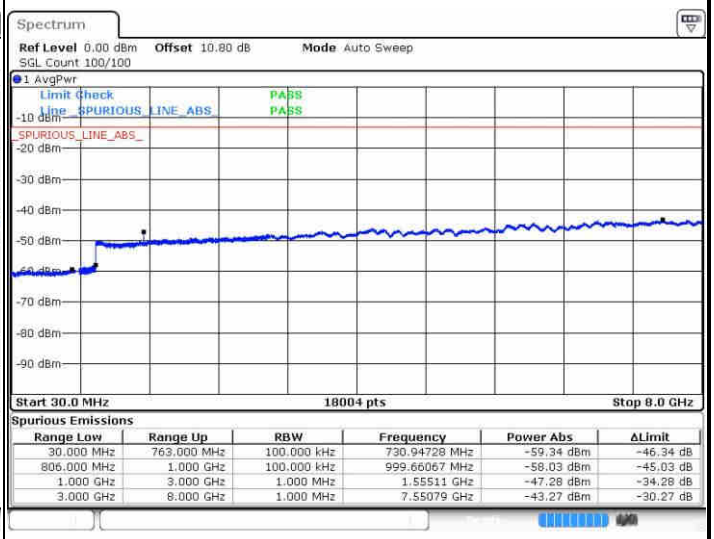


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	736.44203 MHz	-59.59 dBm	-46.59 dB
806.000 MHz	1.000 GHz	100.000 kHz	962.52824 MHz	-58.05 dBm	-45.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-46.77 dBm	-33.77 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54630 GHz	-43.27 dBm	-30.27 dB

Date: 27.APR.2019 06:12:03

Middle Channel / 16QAM



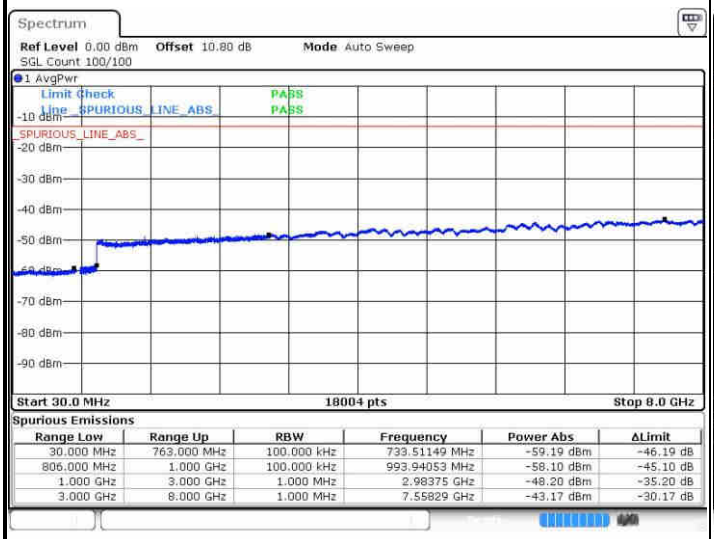
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	730.94728 MHz	-59.34 dBm	-46.34 dB
806.000 MHz	1.000 GHz	100.000 kHz	999.66067 MHz	-58.03 dBm	-45.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-47.28 dBm	-34.28 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55079 GHz	-43.27 dBm	-30.27 dB

Date: 27.APR.2019 06:11:23

LTE Band 13 / 5MHz

Lowest Channel / 64QAM

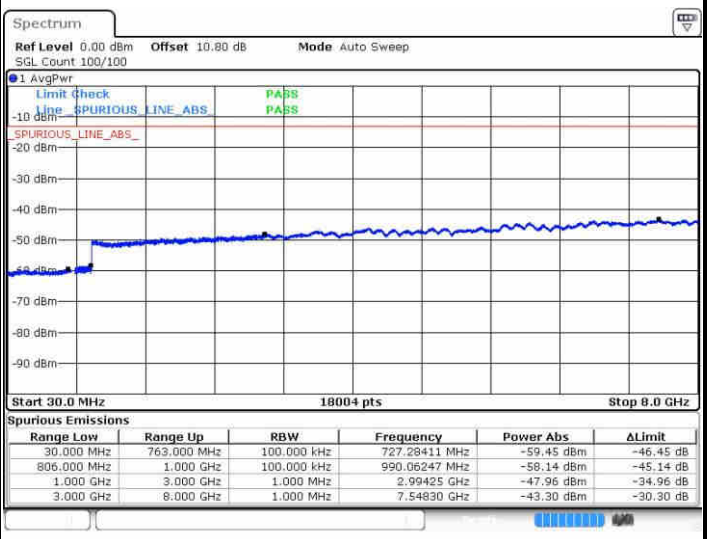


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	733.51149 MHz	-59.19 dBm	-46.19 dB
806.000 MHz	1.000 GHz	100.000 kHz	993.94053 MHz	-58.10 dBm	-45.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.98375 GHz	-48.20 dBm	-35.20 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55829 GHz	-43.17 dBm	-30.17 dB

Date: 27.APR.2019 05:54:21

Middle Channel / 64QAM

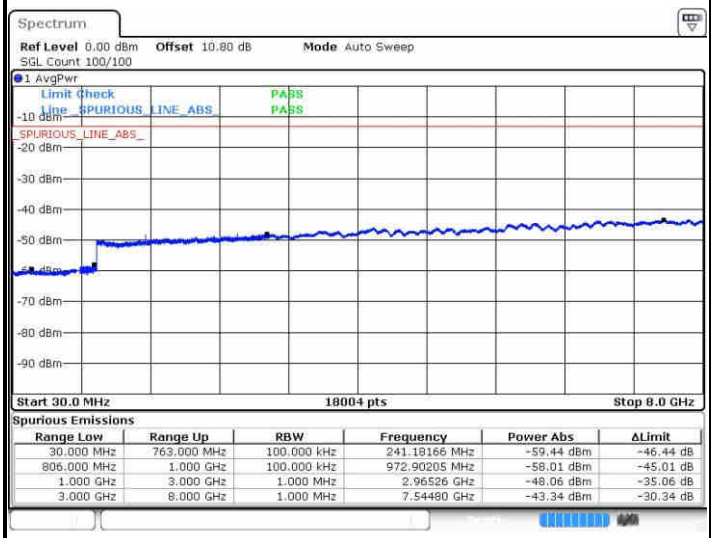


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	727.28411 MHz	-59.45 dBm	-46.45 dB
806.000 MHz	1.000 GHz	100.000 kHz	990.06247 MHz	-58.14 dBm	-45.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99425 GHz	-47.96 dBm	-34.96 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54830 GHz	-43.30 dBm	-30.30 dB

Date: 27.APR.2019 05:55:02

Highest Channel / 64QAM

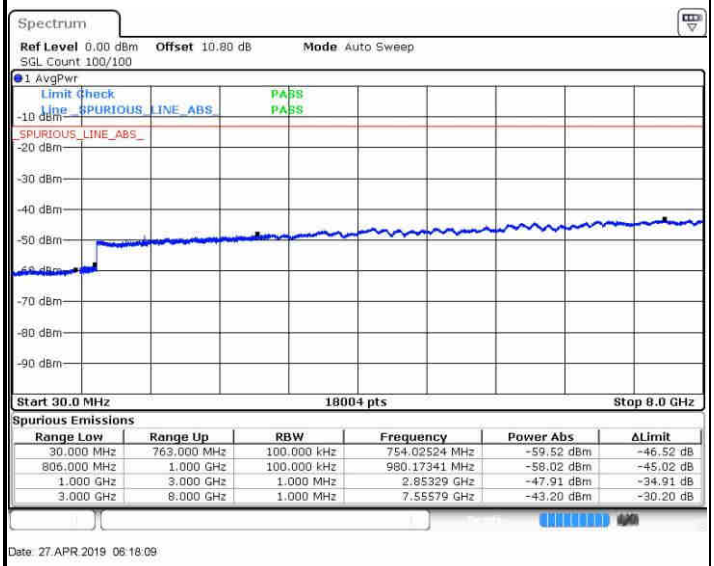


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	241.18166 MHz	-59.44 dBm	-46.44 dB
806.000 MHz	1.000 GHz	100.000 kHz	972.90205 MHz	-58.01 dBm	-45.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96526 GHz	-48.06 dBm	-35.06 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.54480 GHz	-43.34 dBm	-30.34 dB

Date: 27.APR.2019 05:59:52

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	754.02524 MHz	-59.52 dBm	-46.52 dB
806.000 MHz	1.000 GHz	100.000 kHz	980.17341 MHz	-58.02 dBm	-45.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.85329 GHz	-47.91 dBm	-34.91 dB
3.000 GHz	8.000 GHz	1.000 MHz	7.55579 GHz	-43.20 dBm	-30.20 dB

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	0.0182	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0116	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0175	
0	Normal Voltage	0.0120	
-10	Normal Voltage	0.0148	
-20	Normal Voltage	0.0116	
-30	Normal Voltage	0.0132	
20	Maximum Voltage	0.0063	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0107	

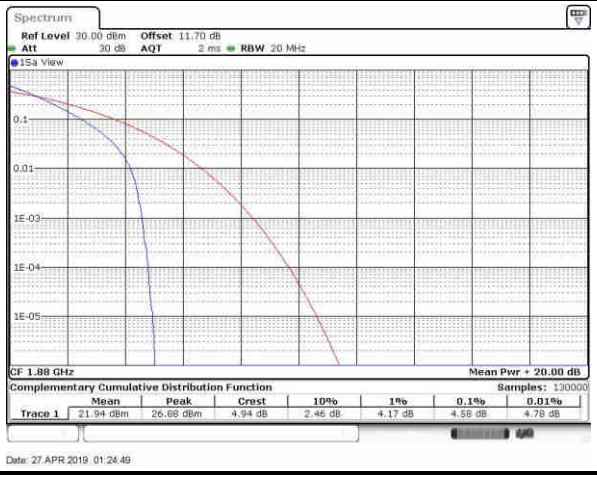
Note:

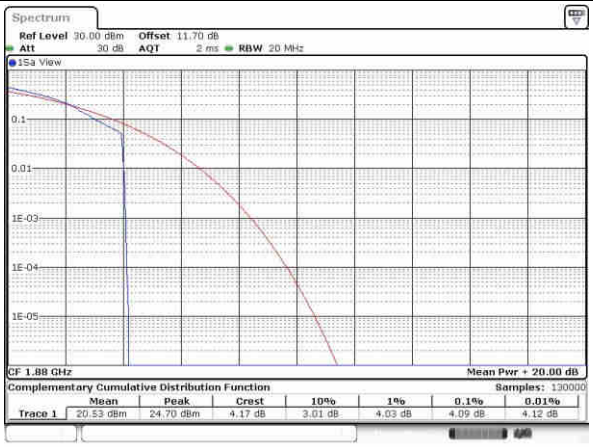
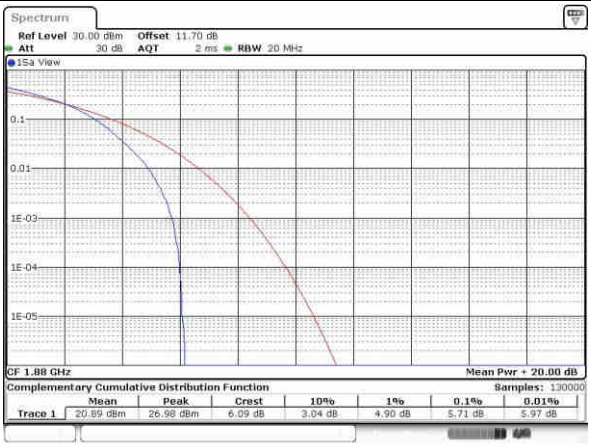
1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

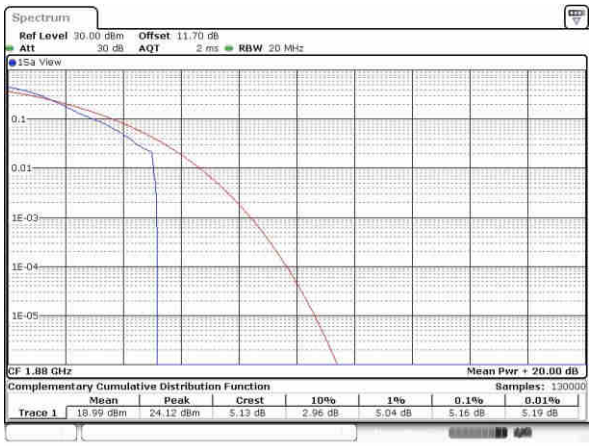
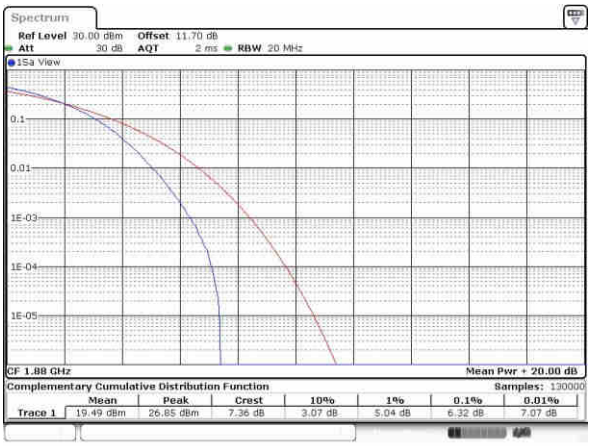
LTE Band 25

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	3.59	4.55	4.23	5.68	PASS
Middle CH	3.54	4.58	4.09	5.71	
Highest CH	3.30	4.67	4.20	5.71	
Mode	LTE Band 25 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.39	6.43	-	-	PASS
Middle CH	5.16	6.32	-	-	
Highest CH	4.90	6.52	-	-	

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

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

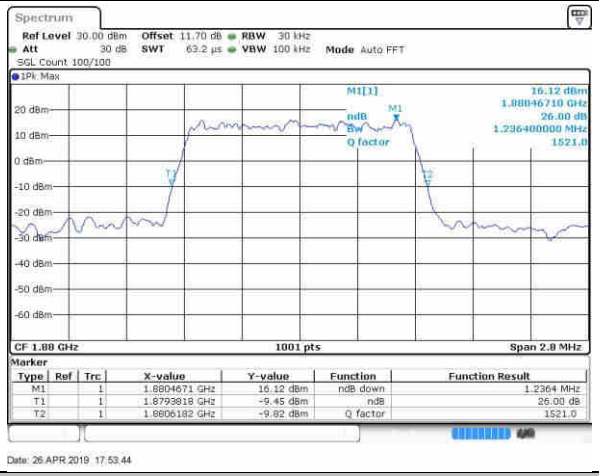
LTE Band 25 / 20MHz / 64QAM	
Middle Channel / 1RB	**Middle Channel / Full RB**
	

26dB Bandwidth

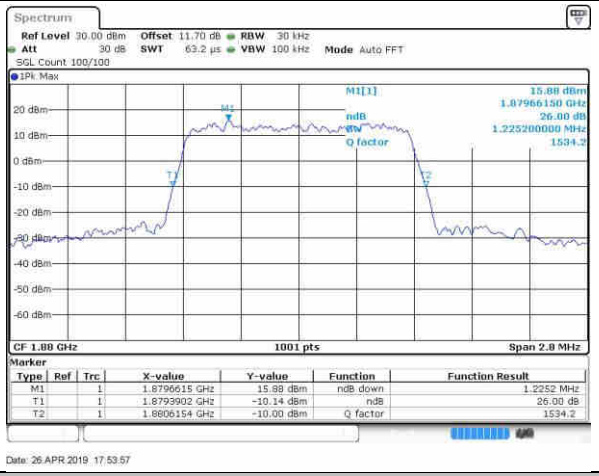
Mode	LTE Band 25 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.21	2.96	3.03	4.89	4.87	9.95	9.77	14.30	14.45	19.26	18.94
Middle CH	1.24	1.23	3.03	3.00	4.90	4.90	9.77	9.73	14.48	14.33	19.22	18.98
Highest CH	1.23	1.23	3.00	3.03	4.97	4.86	9.77	9.65	14.18	14.42	18.86	19.14
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	-	3.02	-	4.91	-	9.79	-	14.56	-	19.26	-
Middle CH	1.22	-	3.00	-	4.95	-	9.79	-	14.24	-	18.90	-
Highest CH	1.22	-	3.00	-	4.96	-	9.81	-	14.30	-	19.02	-

LTE Band 25

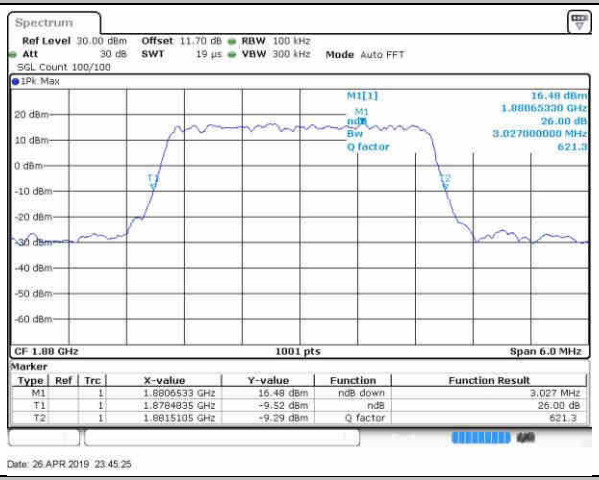
Middle Channel / 1.4MHz / QPSK



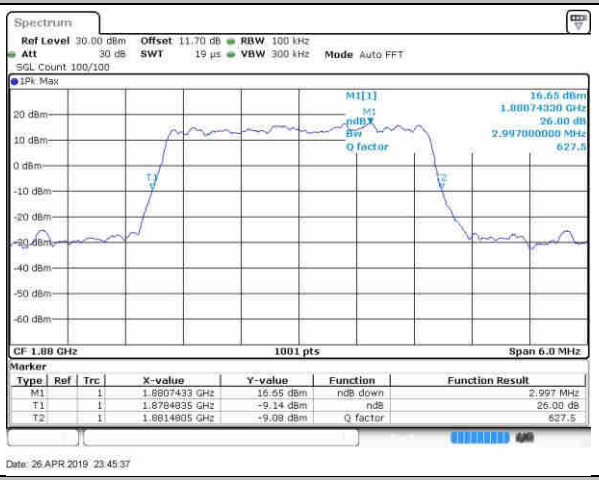
Middle Channel / 1.4MHz / 16QAM



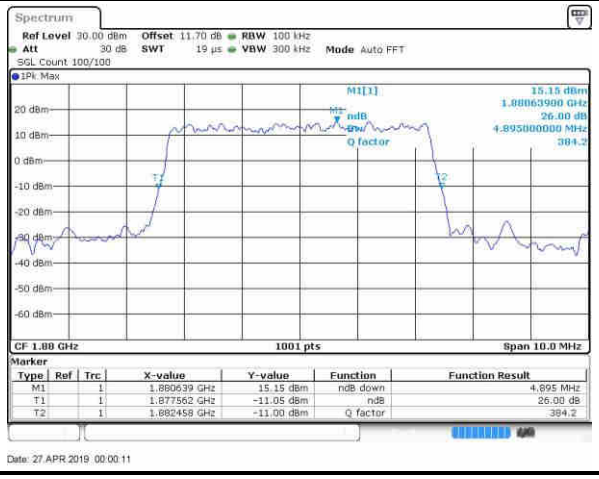
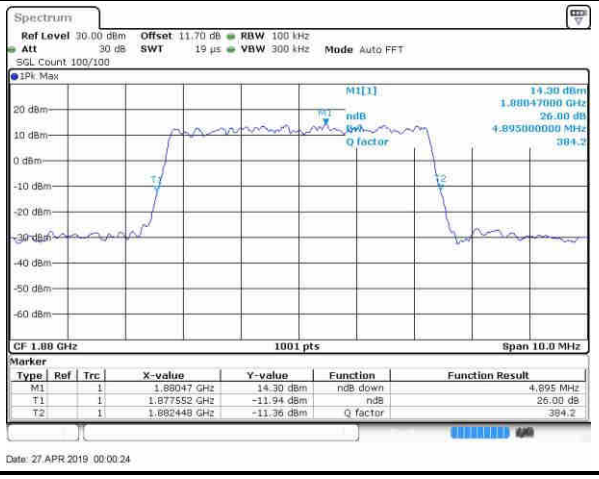
Middle Channel / 3MHz / QPSK



Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM