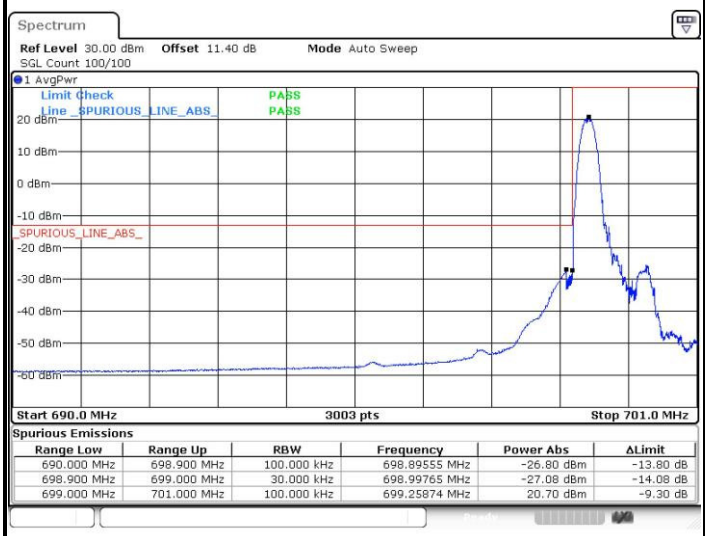
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

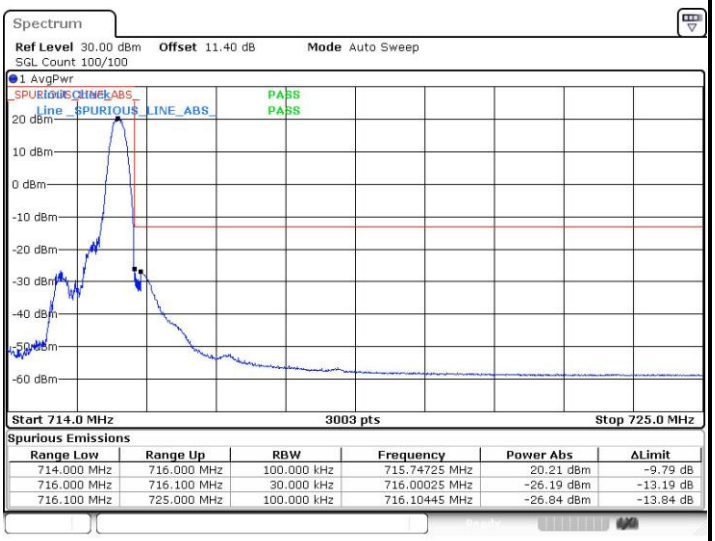


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.80 dBm	-13.80 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99765 MHz	-27.08 dBm	-14.08 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.25874 MHz	20.70 dBm	-9.30 dB

Date: 14.MAY.2016 12:07:44

Highest Band Edge / 1 RB

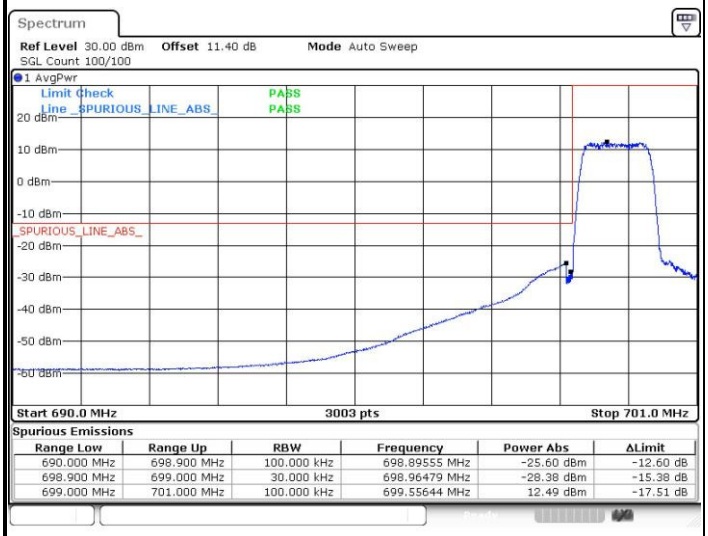


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.74725 MHz	20.21 dBm	-9.79 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00025 MHz	-26.19 dBm	-13.19 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.84 dBm	-13.84 dB

Date: 14.MAY.2016 12:15:57

Lowest Band Edge / Full RB

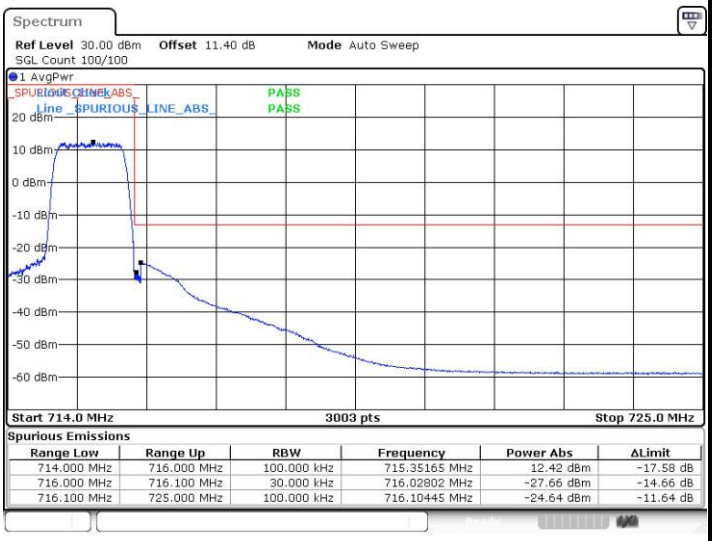


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.60 dBm	-12.60 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.96479 MHz	-28.38 dBm	-15.38 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.55644 MHz	12.49 dBm	-17.51 dB

Date: 14.MAY.2016 12:05:41

Highest Band Edge / Full RB



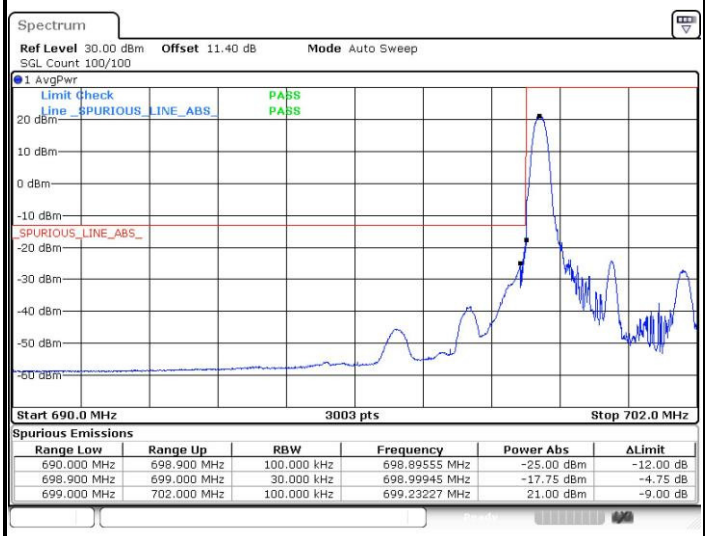
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.35165 MHz	12.42 dBm	-17.58 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.02802 MHz	-27.66 dBm	-14.66 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.64 dBm	-11.64 dB

Date: 14.MAY.2016 12:13:54

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

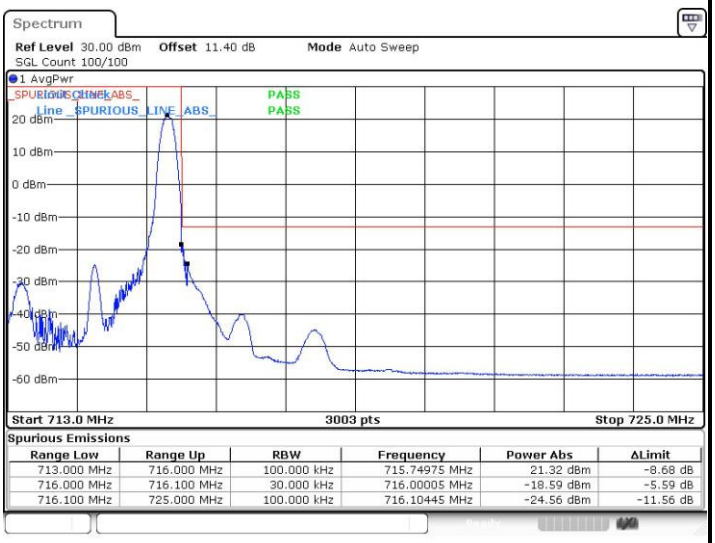


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.00 dBm	-12.00 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-17.75 dBm	-4.75 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23227 MHz	21.00 dBm	-9.00 dB

Date: 14.MAY.2016 12:26:12

Highest Band Edge / 1 RB

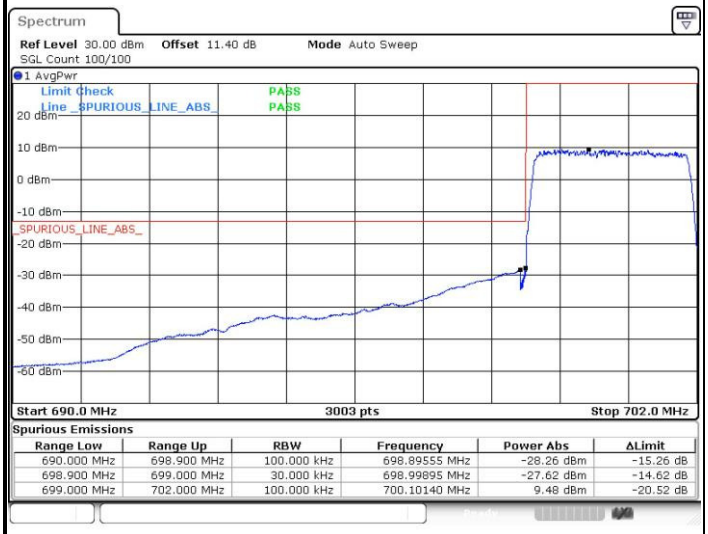


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.74975 MHz	21.32 dBm	-8.68 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00005 MHz	-18.59 dBm	-5.59 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.56 dBm	-11.56 dB

Date: 14.MAY.2016 12:34:23

Lowest Band Edge / Full RB

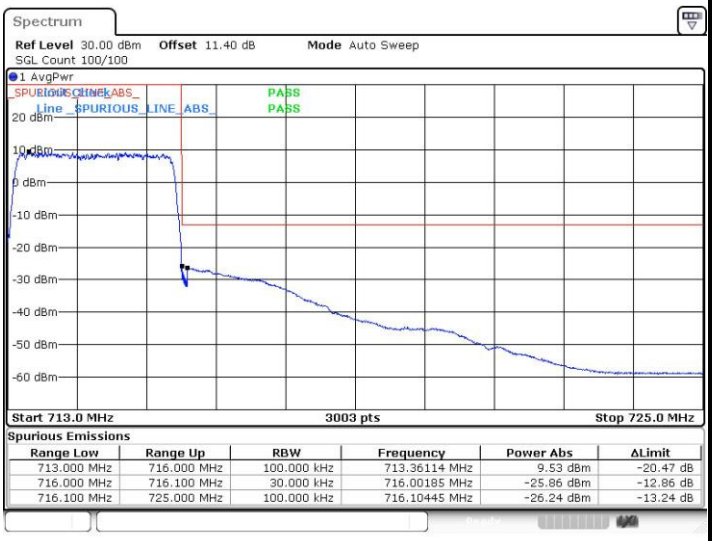


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.26 dBm	-15.26 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99895 MHz	-27.62 dBm	-14.62 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.10140 MHz	9.48 dBm	-20.52 dB

Date: 14.MAY.2016 12:20:03

Highest Band Edge / Full RB



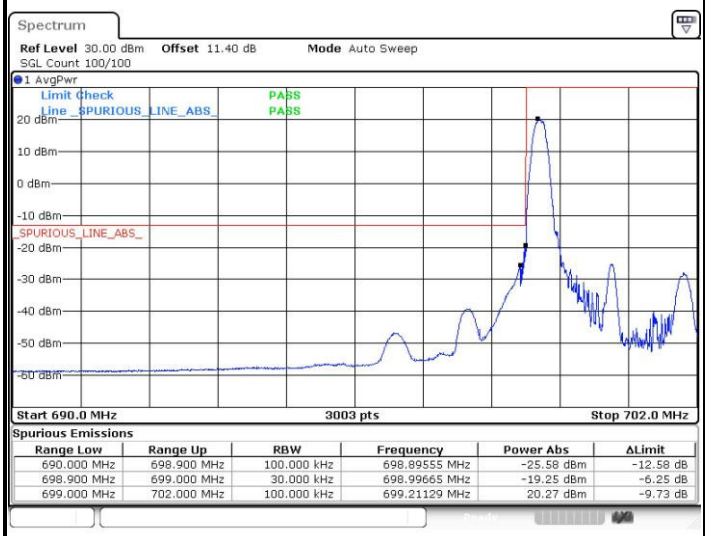
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.36114 MHz	9.53 dBm	-20.47 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-25.86 dBm	-12.86 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.24 dBm	-13.24 dB

Date: 14.MAY.2016 12:28:15

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

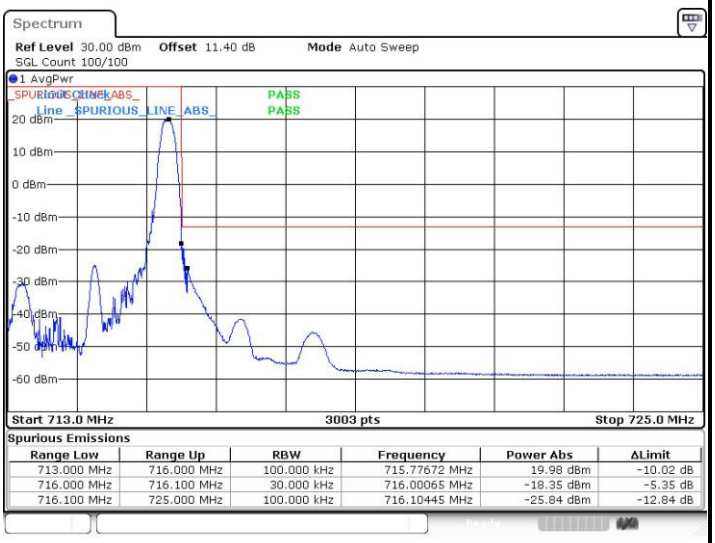


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.58 dBm	-12.58 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99665 MHz	-19.25 dBm	-6.25 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.21129 MHz	20.27 dBm	-9.73 dB

Date: 14.MAY.2016 12:24:09

Highest Band Edge / 1 RB

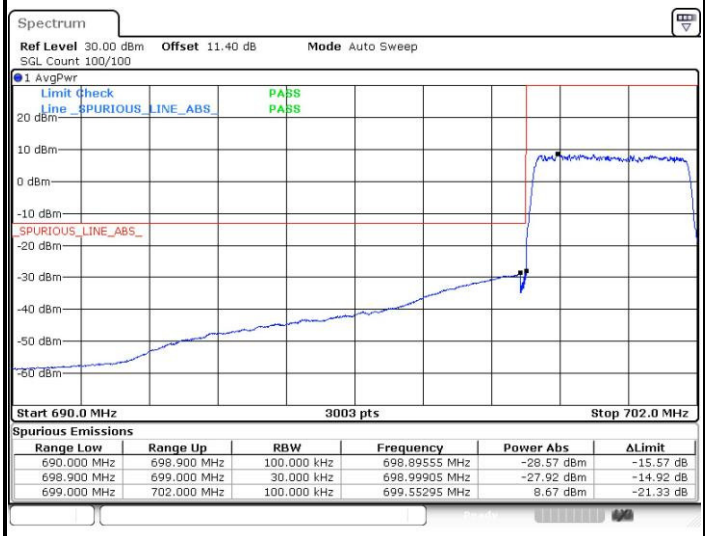


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.77672 MHz	19.98 dBm	-10.02 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00065 MHz	-18.35 dBm	-5.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.84 dBm	-12.84 dB

Date: 14.MAY.2016 12:32:20

Lowest Band Edge / Full RB

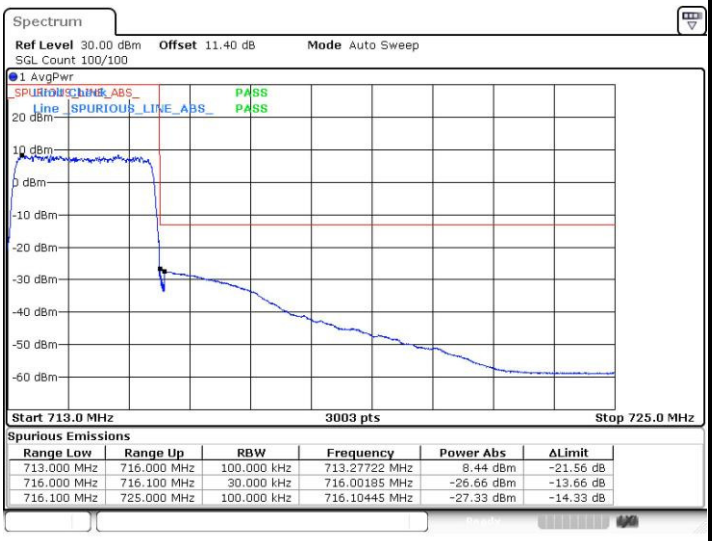


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.57 dBm	-15.57 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-27.92 dBm	-14.92 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.55295 MHz	8.67 dBm	-21.33 dB

Date: 14.MAY.2016 12:22:06

Highest Band Edge / Full RB



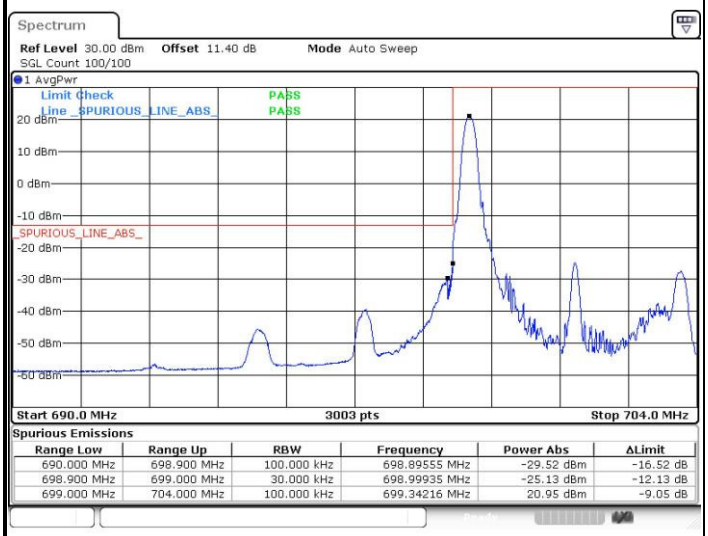
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.27722 MHz	8.44 dBm	-21.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-26.66 dBm	-13.66 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.33 dBm	-14.33 dB

Date: 14.MAY.2016 12:30:17

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

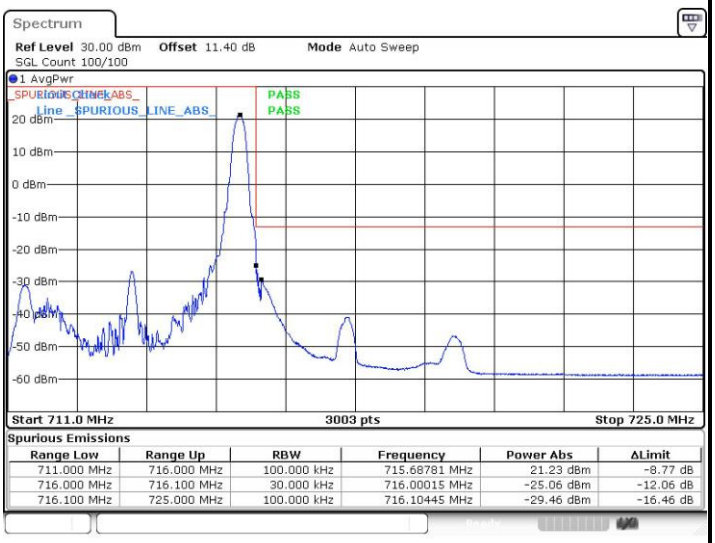


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-29.52 dBm	-16.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99935 MHz	-25.13 dBm	-12.13 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.34216 MHz	20.95 dBm	-9.05 dB

Date: 14.MAY.2016 12:42:33

Highest Band Edge / 1 RB

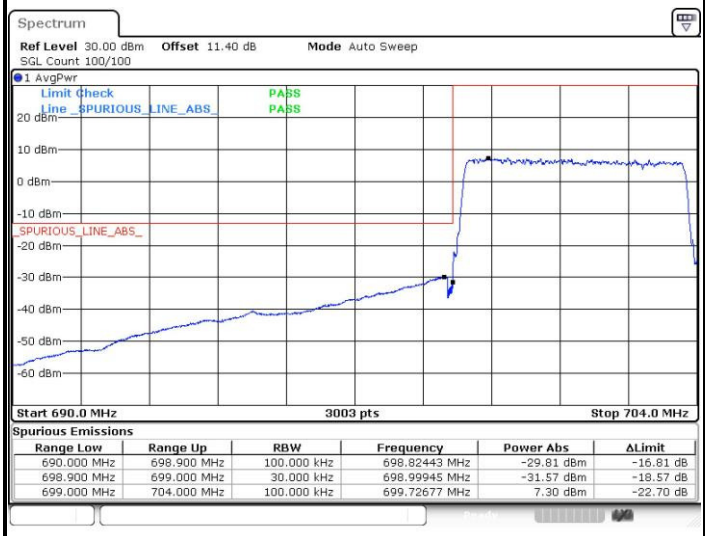


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.68781 MHz	21.23 dBm	-8.77 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00015 MHz	-25.06 dBm	-12.06 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-29.46 dBm	-16.46 dB

Date: 14.MAY.2016 12:48:40

Lowest Band Edge / Full RB

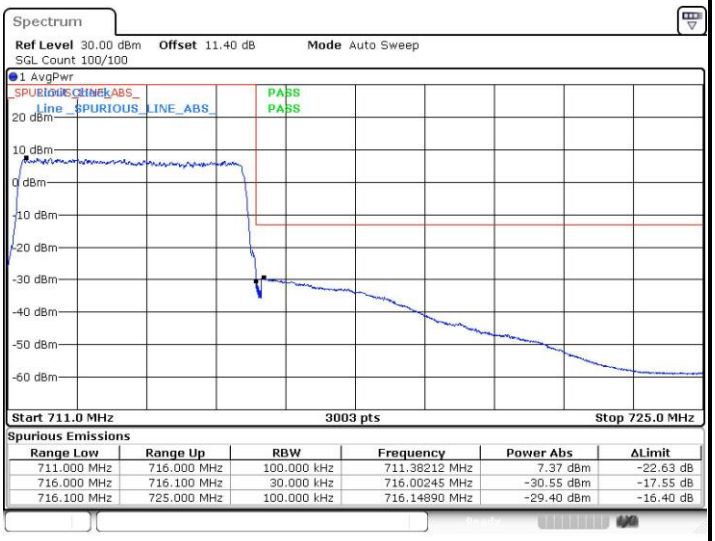


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.82443 MHz	-29.81 dBm	-16.81 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-31.57 dBm	-18.57 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.72677 MHz	7.30 dBm	-22.70 dB

Date: 14.MAY.2016 12:36:25

Highest Band Edge / Full RB



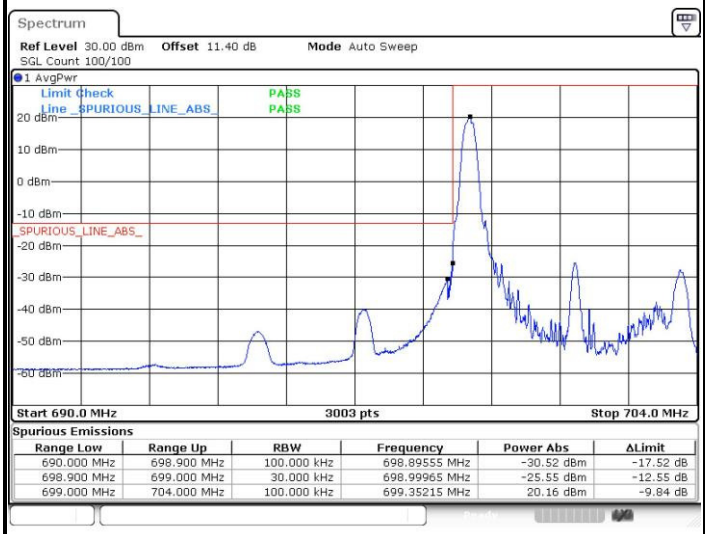
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	711.38212 MHz	7.37 dBm	-22.63 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00245 MHz	-30.55 dBm	-17.55 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.14890 MHz	-29.40 dBm	-16.40 dB

Date: 14.MAY.2016 12:44:35

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

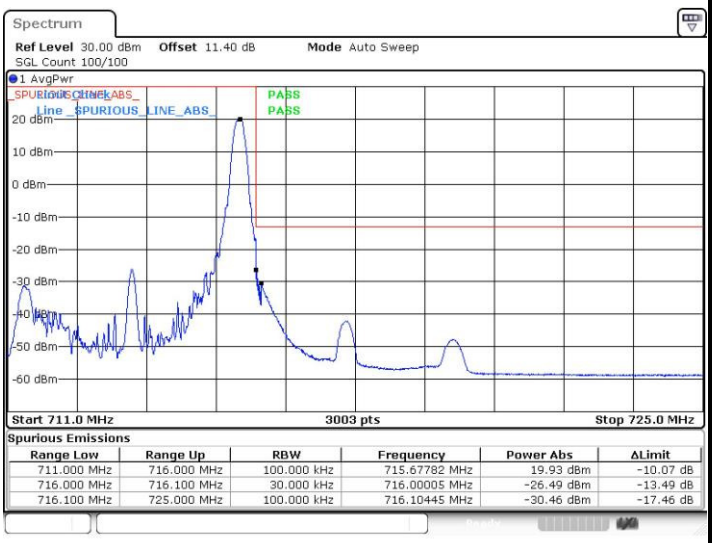


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.52 dBm	-17.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99965 MHz	-25.55 dBm	-12.55 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35215 MHz	20.16 dBm	-9.84 dB

Date: 14.MAY.2016 12:40:30

Highest Band Edge / 1 RB

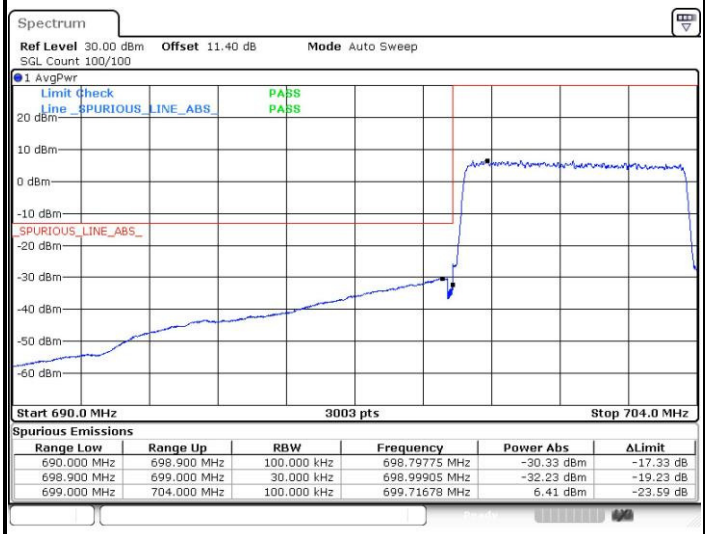


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67782 MHz	19.93 dBm	-10.07 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00005 MHz	-26.49 dBm	-13.49 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.46 dBm	-17.46 dB

Date: 14.MAY.2016 12:50:43

Lowest Band Edge / Full RB

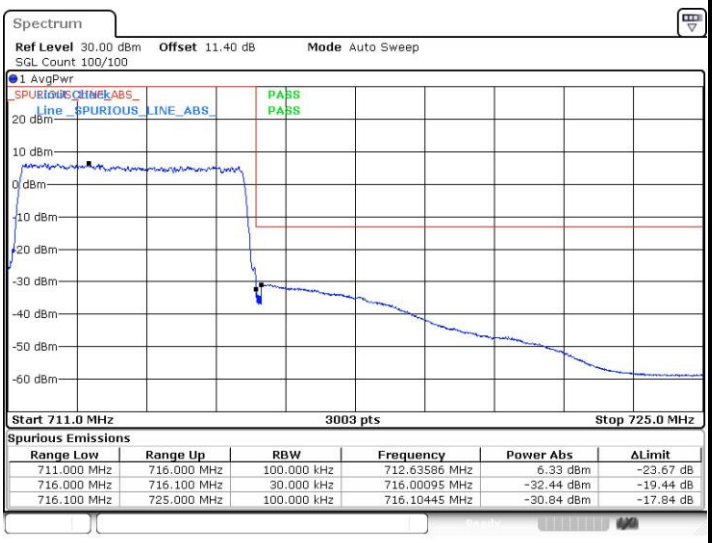


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.79775 MHz	-30.33 dBm	-17.33 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-32.23 dBm	-19.23 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.71678 MHz	6.41 dBm	-23.59 dB

Date: 14.MAY.2016 12:38:28

Highest Band Edge / Full RB



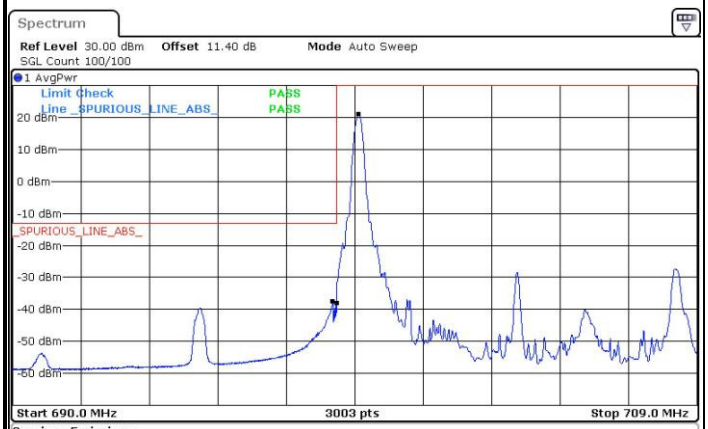
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.63586 MHz	6.33 dBm	-23.67 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00095 MHz	-32.44 dBm	-19.44 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.84 dBm	-17.84 dB

Date: 14.MAY.2016 12:46:38

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

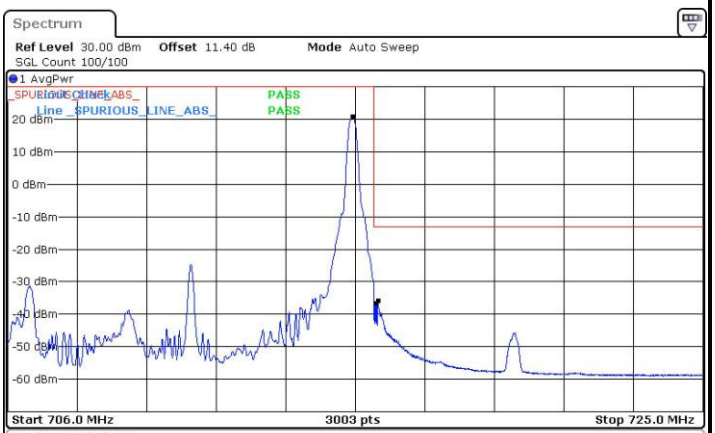


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-37.52 dBm	-24.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99755 MHz	-37.90 dBm	-24.90 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	21.07 dBm	-8.93 dB

Date: 14.MAY.2016 12:58:53

Highest Band Edge / 1 RB

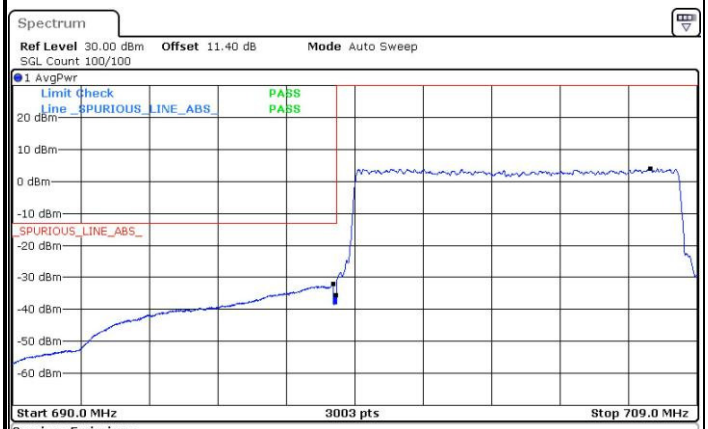


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.42557 MHz	20.87 dBm	-9.13 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.05380 MHz	-36.76 dBm	-23.76 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-35.87 dBm	-22.87 dB

Date: 14.MAY.2016 13:07:04

Lowest Band Edge / Full RB

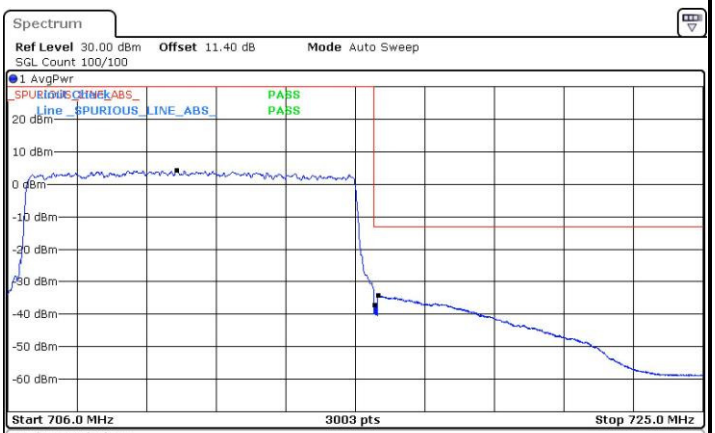


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.17 dBm	-19.17 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.96039 MHz	-35.67 dBm	-22.67 dB
699.000 MHz	709.000 MHz	100.000 kHz	707.69630 MHz	3.97 dBm	-26.03 dB

Date: 14.MAY.2016 12:52:46

Highest Band Edge / Full RB



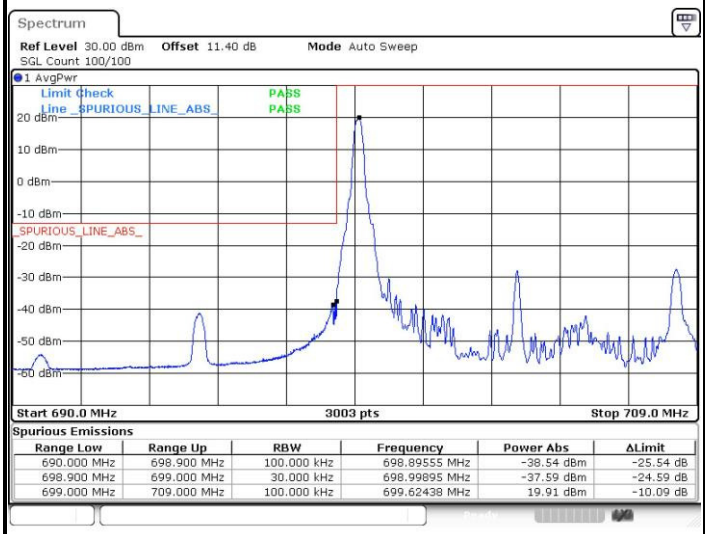
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.63037 MHz	4.27 dBm	-25.73 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.02912 MHz	-37.34 dBm	-24.34 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-34.24 dBm	-21.24 dB

Date: 14.MAY.2016 13:00:56

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

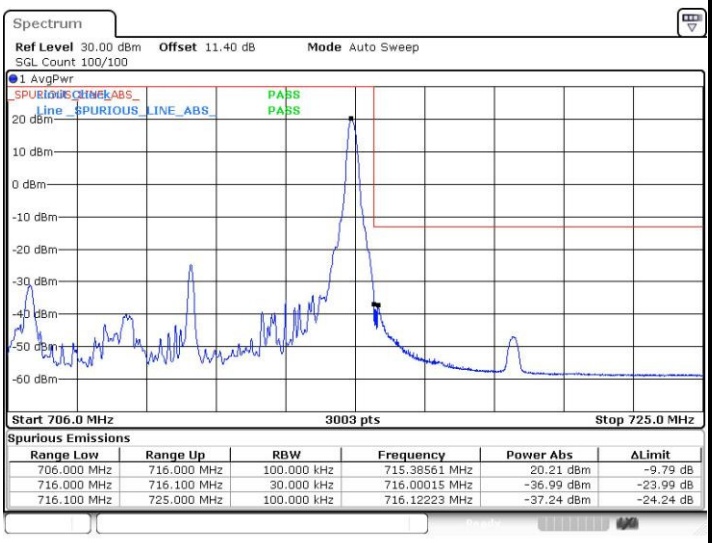


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-38.54 dBm	-25.54 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99895 MHz	-37.59 dBm	-24.59 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.62438 MHz	19.91 dBm	-10.09 dB

Date: 14.MAY.2016 12:56:51

Highest Band Edge / 1 RB

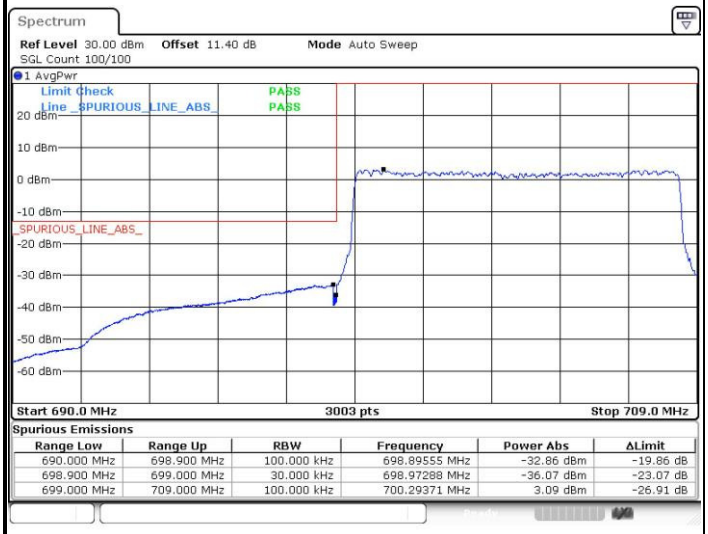


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.38561 MHz	20.21 dBm	-9.79 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00015 MHz	-36.99 dBm	-23.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-37.24 dBm	-24.24 dB

Date: 14.MAY.2016 13:05:01

Lowest Band Edge / Full RB

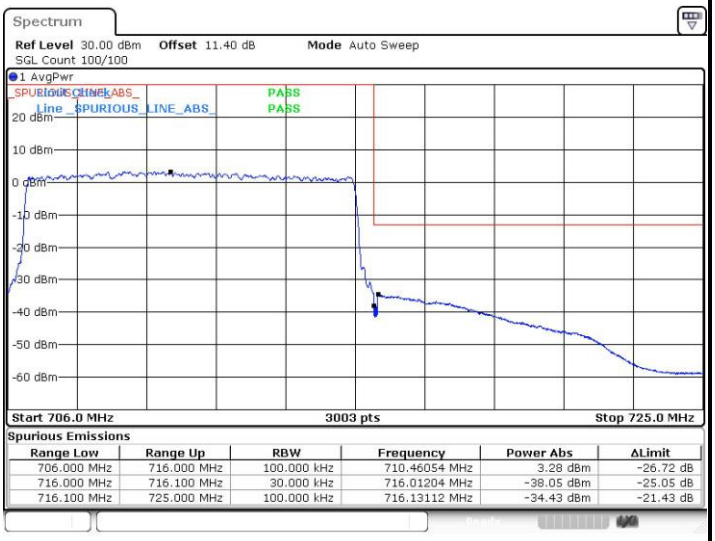


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.86 dBm	-19.86 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97288 MHz	-36.07 dBm	-23.07 dB
699.000 MHz	709.000 MHz	100.000 kHz	700.29371 MHz	3.09 dBm	-26.91 dB

Date: 14.MAY.2016 12:54:48

Highest Band Edge / Full RB



Spurious Emissions

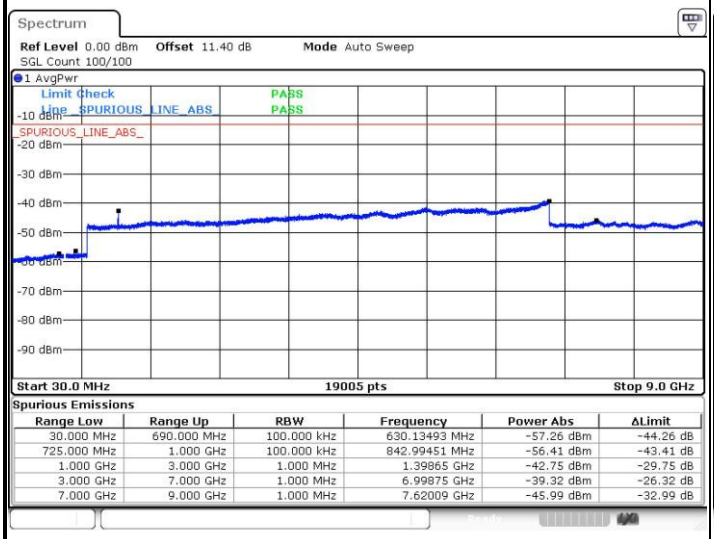
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.46054 MHz	3.28 dBm	-26.72 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01204 MHz	-38.05 dBm	-25.05 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-34.43 dBm	-21.43 dB

Date: 14.MAY.2016 13:02:59

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

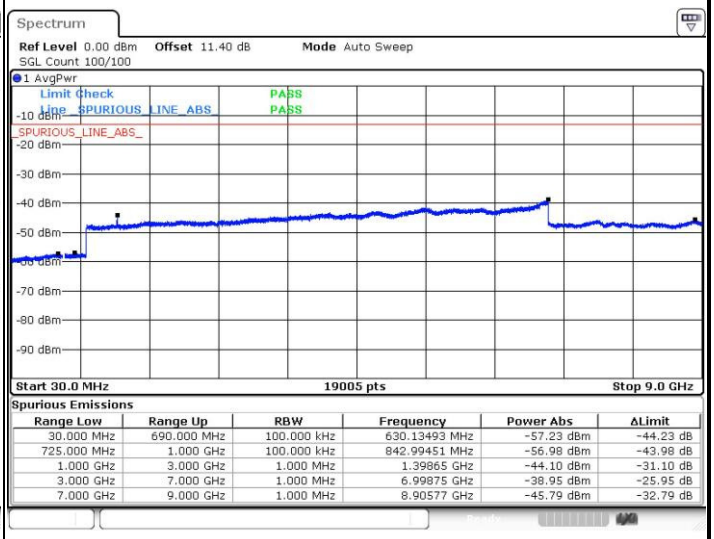


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-57.26 dBm	-44.26 dB
725.000 MHz	1.000 GHz	100.000 kHz	842.99451 MHz	-56.41 dBm	-43.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-42.75 dBm	-29.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-39.32 dBm	-26.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.62009 GHz	-45.99 dBm	-32.99 dB

Date: 13.MAY.2016 11:34:07

Lowest Channel / 16QAM

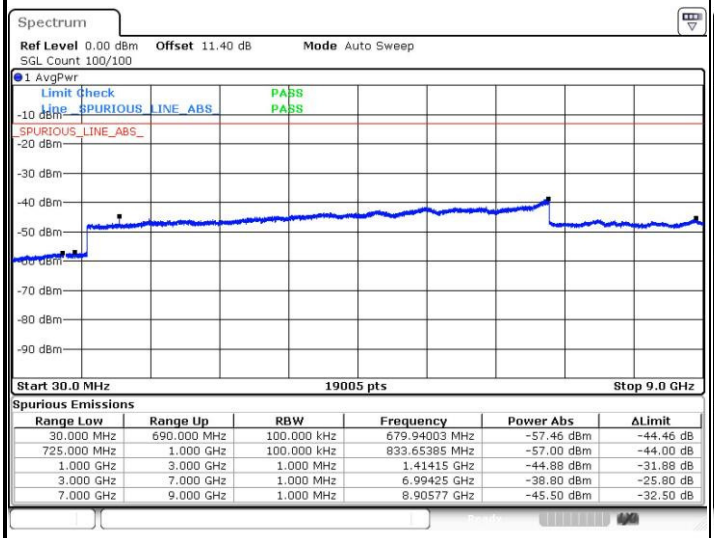


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-57.23 dBm	-44.23 dB
725.000 MHz	1.000 GHz	100.000 kHz	842.99451 MHz	-56.98 dBm	-43.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.10 dBm	-31.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-38.95 dBm	-25.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90577 GHz	-45.79 dBm	-32.79 dB

Date: 13.MAY.2016 11:35:05

Middle Channel / QPSK

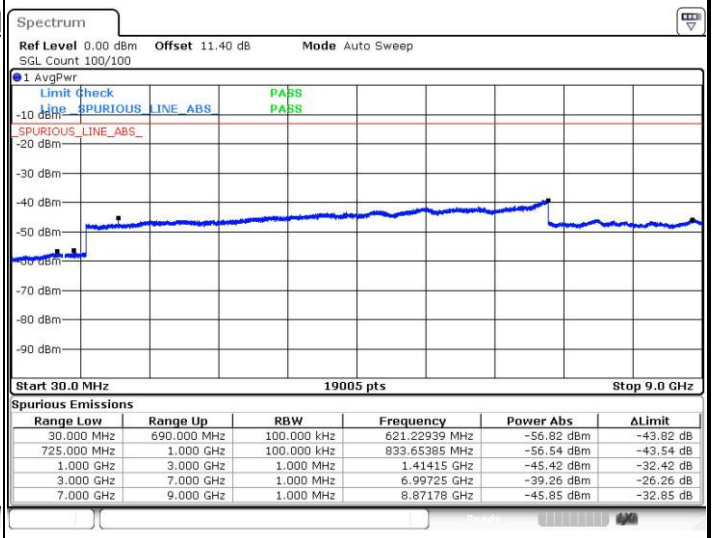


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	679.94003 MHz	-57.46 dBm	-44.46 dB
725.000 MHz	1.000 GHz	100.000 kHz	833.65385 MHz	-57.00 dBm	-44.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-44.88 dBm	-31.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-38.80 dBm	-25.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90577 GHz	-45.50 dBm	-32.50 dB

Date: 13.MAY.2016 11:37:48

Middle Channel / 16QAM



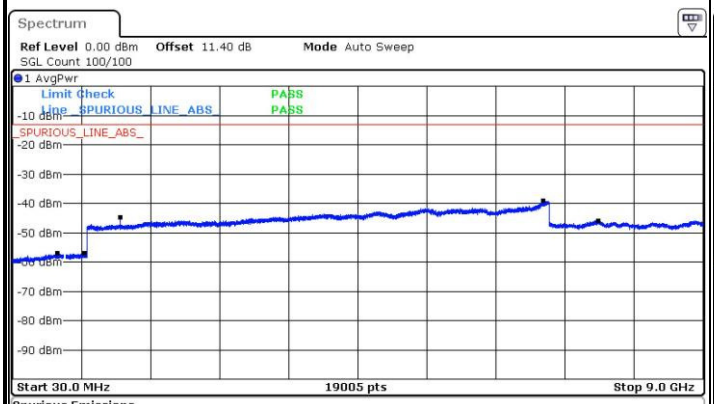
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.22939 MHz	-56.82 dBm	-43.82 dB
725.000 MHz	1.000 GHz	100.000 kHz	833.65385 MHz	-56.54 dBm	-43.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-45.42 dBm	-32.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99725 GHz	-39.26 dBm	-26.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.87178 GHz	-45.85 dBm	-32.85 dB

Date: 13.MAY.2016 11:36:50

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

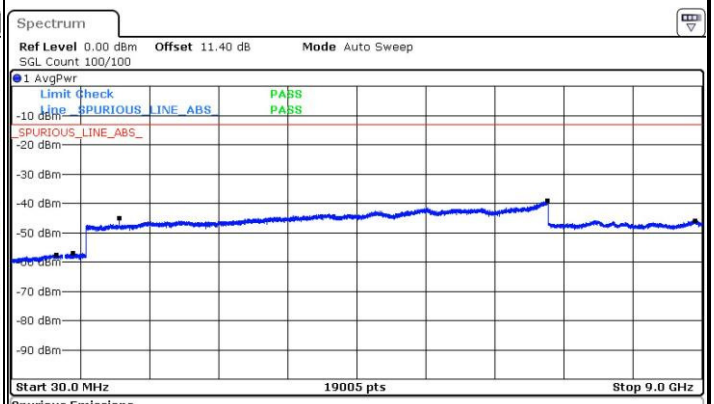


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	611.99400 MHz	-57.08 dBm	-44.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	964.14835 MHz	-57.00 dBm	-44.00 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-44.89 dBm	-31.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92026 GHz	-39.24 dBm	-26.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.63909 GHz	-45.96 dBm	-32.96 dB

Date: 13.MAY.2016 11:47:43

Highest Channel / 16QAM



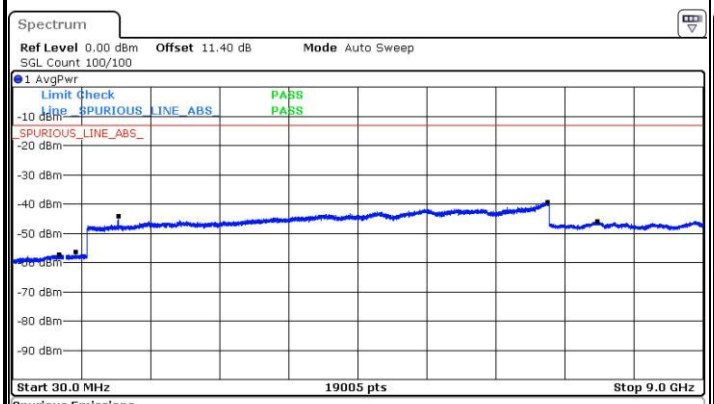
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	611.99400 MHz	-57.47 dBm	-44.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	824.31319 MHz	-57.06 dBm	-44.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-45.20 dBm	-32.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-39.20 dBm	-26.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90977 GHz	-45.87 dBm	-32.87 dB

Date: 13.MAY.2016 11:48:41

LTE Band 12 / 3MHz

Lowest Channel / QPSK

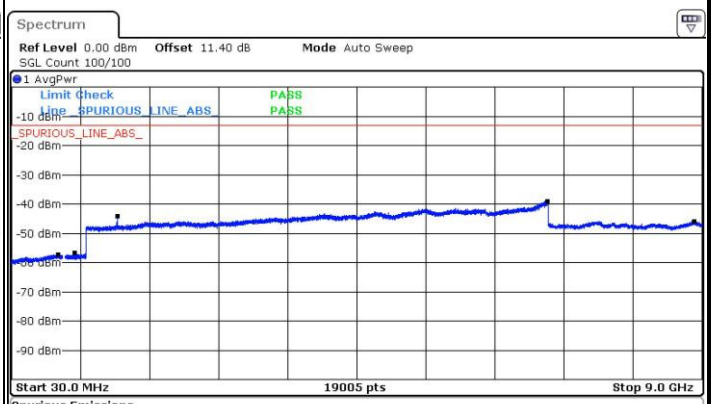


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-57.29 dBm	-44.29 dB
725.000 MHz	1.000 GHz	100.000 kHz	842.99451 MHz	-56.43 dBm	-43.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.04 dBm	-31.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97675 GHz	-39.28 dBm	-26.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.62859 GHz	-45.84 dBm	-32.84 dB

Date: 13.MAY.2016 10:18:26

Lowest Channel / 16QAM



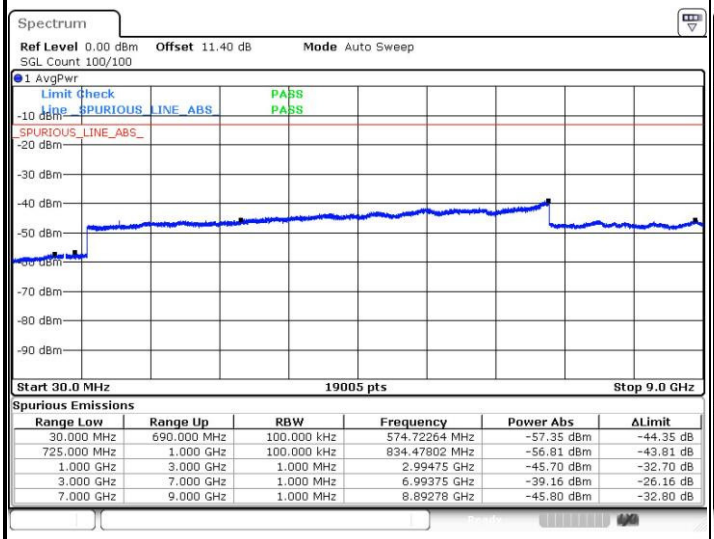
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-57.34 dBm	-44.34 dB
725.000 MHz	1.000 GHz	100.000 kHz	842.99451 MHz	-56.75 dBm	-43.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-39.02 dBm	-26.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90277 GHz	-45.98 dBm	-32.98 dB

Date: 13.MAY.2016 10:19:24

LTE Band 12 / 3MHz

Middle Channel / QPSK

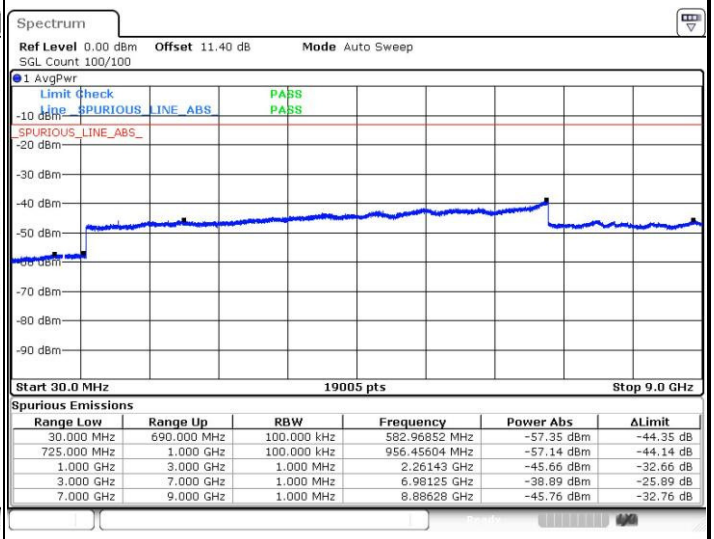


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	574.72264 MHz	-57.35 dBm	-44.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	834.47802 MHz	-56.81 dBm	-43.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.99475 GHz	-45.70 dBm	-32.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99375 GHz	-39.16 dBm	-26.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89278 GHz	-45.80 dBm	-32.80 dB

Date: 13.MAY.2016 10:23:15

Middle Channel / 16QAM

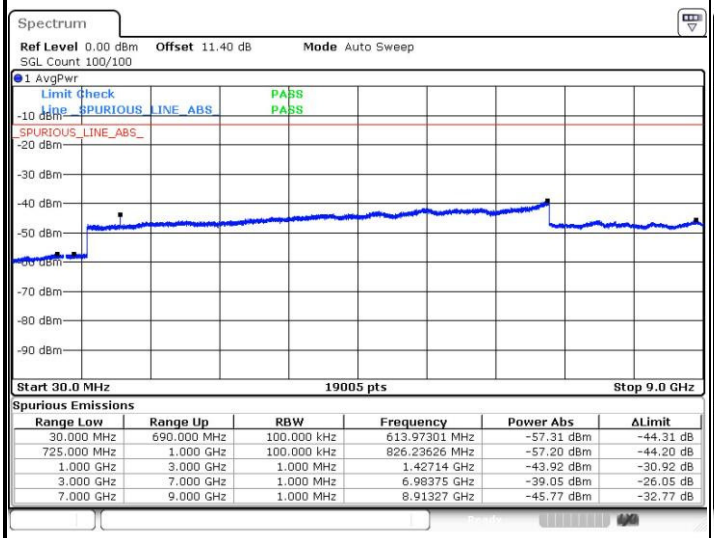


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	582.96852 MHz	-57.35 dBm	-44.35 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.45604 MHz	-57.14 dBm	-44.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.26143 GHz	-45.66 dBm	-32.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98125 GHz	-38.89 dBm	-25.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88628 GHz	-45.76 dBm	-32.76 dB

Date: 13.MAY.2016 10:22:16

Highest Channel / QPSK

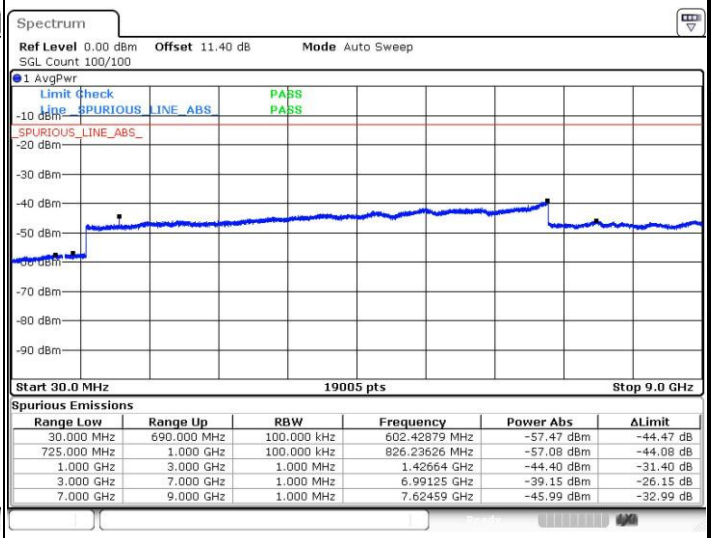


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	613.97301 MHz	-57.31 dBm	-44.31 dB
725.000 MHz	1.000 GHz	100.000 kHz	826.23626 MHz	-57.20 dBm	-44.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42714 GHz	-43.92 dBm	-30.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98375 GHz	-39.05 dBm	-26.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91327 GHz	-45.77 dBm	-32.77 dB

Date: 13.MAY.2016 10:34:03

Highest Channel / 16QAM



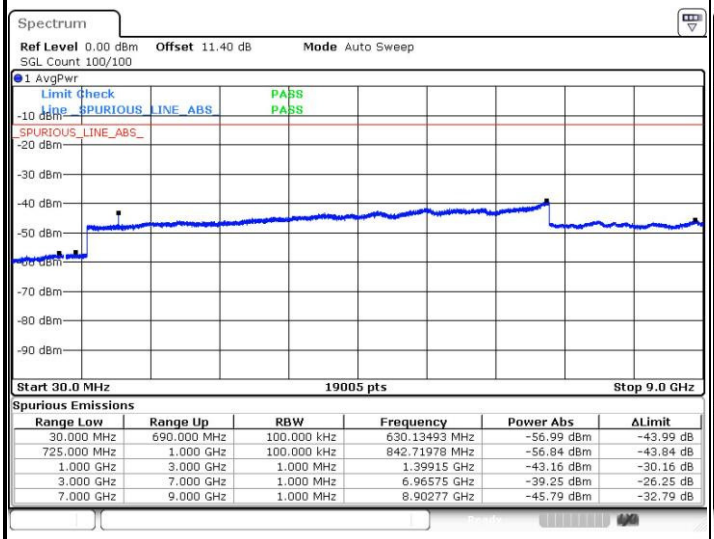
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	602.42879 MHz	-57.47 dBm	-44.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	826.23626 MHz	-57.08 dBm	-44.08 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-44.40 dBm	-31.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-39.15 dBm	-26.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.62459 GHz	-45.99 dBm	-32.99 dB

Date: 13.MAY.2016 10:35:01

LTE Band 12 / 5MHz

Lowest Channel / QPSK

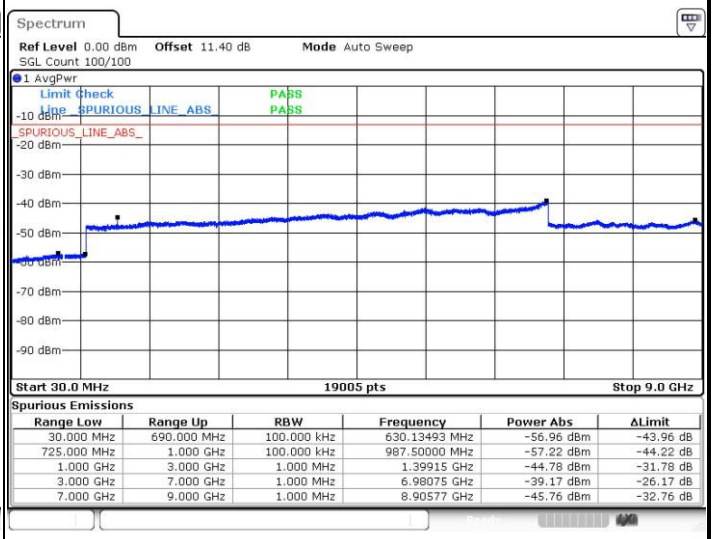


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-56.99 dBm	-43.99 dB
725.000 MHz	1.000 GHz	100.000 kHz	842.71978 MHz	-56.84 dBm	-43.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-43.16 dBm	-30.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96575 GHz	-39.25 dBm	-26.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90277 GHz	-45.79 dBm	-32.79 dB

Date: 13.MAY.2016 10:45:00

Lowest Channel / 16QAM

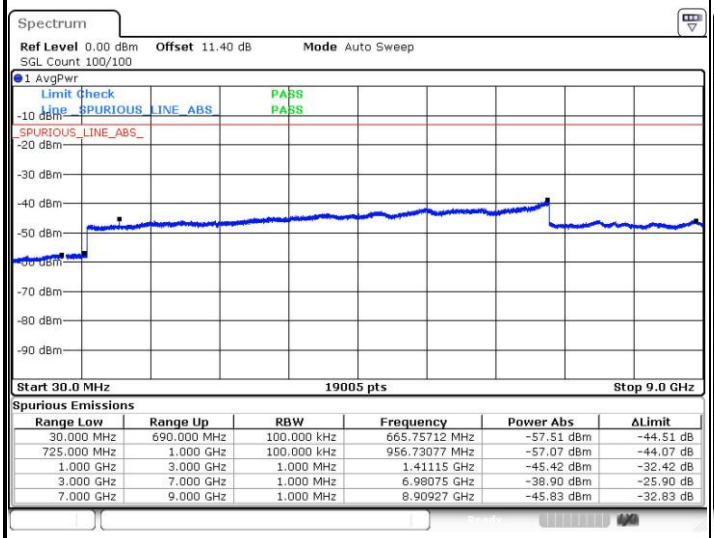


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.13493 MHz	-56.96 dBm	-43.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	987.50000 MHz	-57.22 dBm	-44.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-44.78 dBm	-31.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-39.17 dBm	-26.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90577 GHz	-45.76 dBm	-32.76 dB

Date: 13.MAY.2016 10:45:59

Middle Channel / QPSK

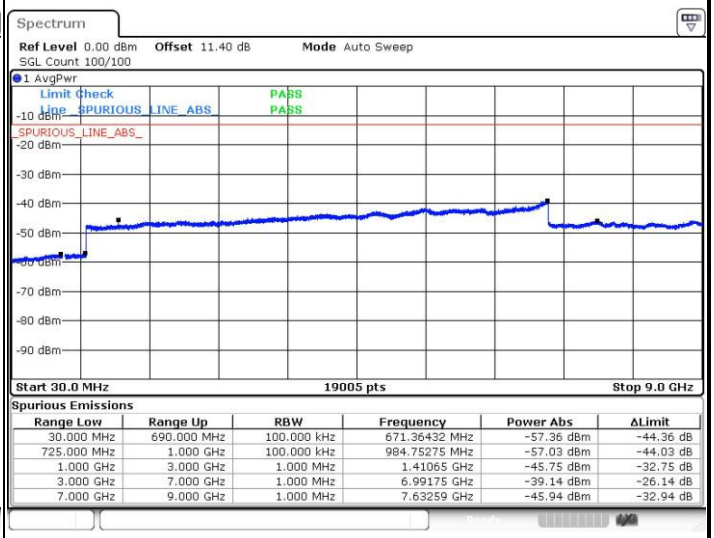


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	665.75712 MHz	-57.51 dBm	-44.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	956.73077 MHz	-57.07 dBm	-44.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-45.42 dBm	-32.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-38.90 dBm	-25.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90927 GHz	-45.83 dBm	-32.83 dB

Date: 13.MAY.2016 10:48:42

Middle Channel / 16QAM



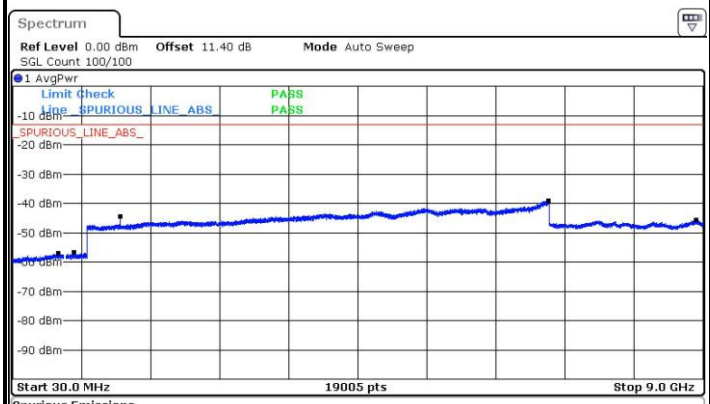
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	671.36432 MHz	-57.36 dBm	-44.36 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.75275 MHz	-57.03 dBm	-44.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41065 GHz	-45.75 dBm	-32.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-39.14 dBm	-26.14 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.63259 GHz	-45.94 dBm	-32.94 dB

Date: 13.MAY.2016 10:47:44

LTE Band 12 / 5MHz

Highest Channel / QPSK

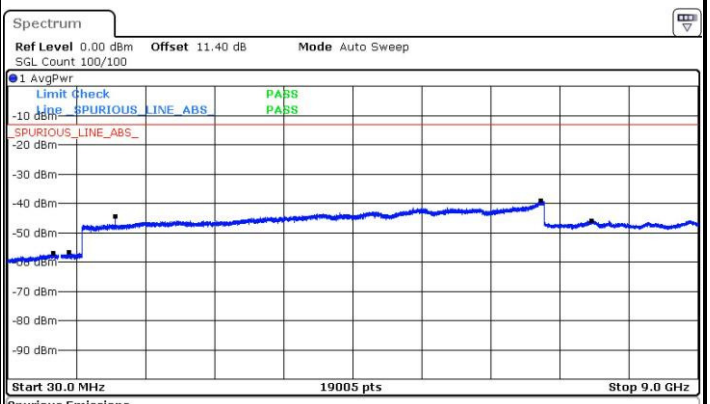


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	615.95202 MHz	-56.96 dBm	-43.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	828.43407 MHz	-56.69 dBm	-43.69 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.58 dBm	-31.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98825 GHz	-39.18 dBm	-26.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90877 GHz	-45.74 dBm	-32.74 dB

Date: 13.MAY.2016 10:59:35

Highest Channel / 16QAM



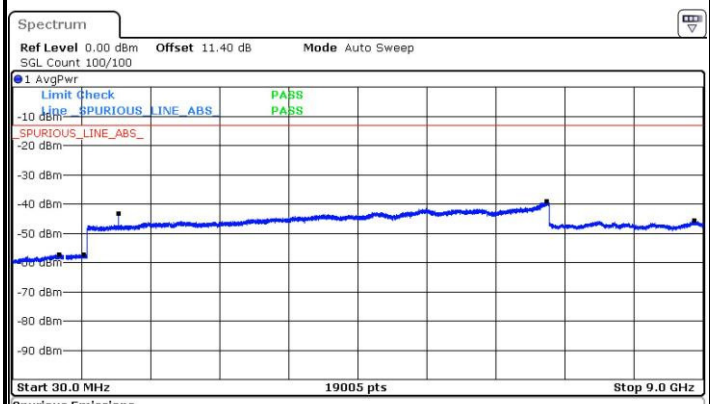
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	615.95202 MHz	-57.10 dBm	-44.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	828.43407 MHz	-56.67 dBm	-43.67 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-44.36 dBm	-31.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95926 GHz	-39.19 dBm	-26.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.61810 GHz	-45.95 dBm	-32.95 dB

Date: 13.MAY.2016 10:58:37

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	629.80510 MHz	-57.17 dBm	-44.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	949.58791 MHz	-57.23 dBm	-44.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.28 dBm	-30.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97175 GHz	-39.19 dBm	-26.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88878 GHz	-45.71 dBm	-32.71 dB

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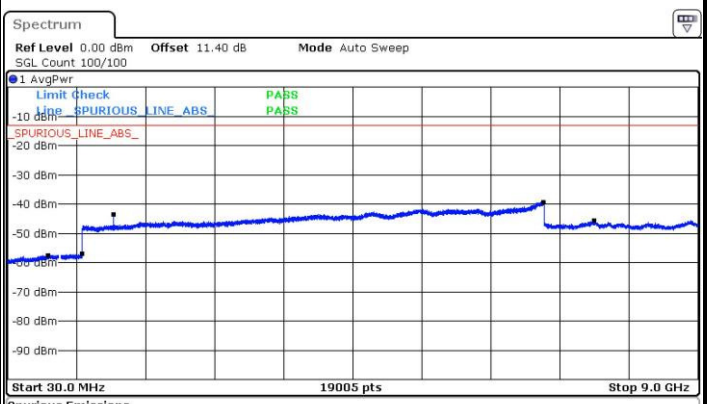
Lowest Channel / 16QAM



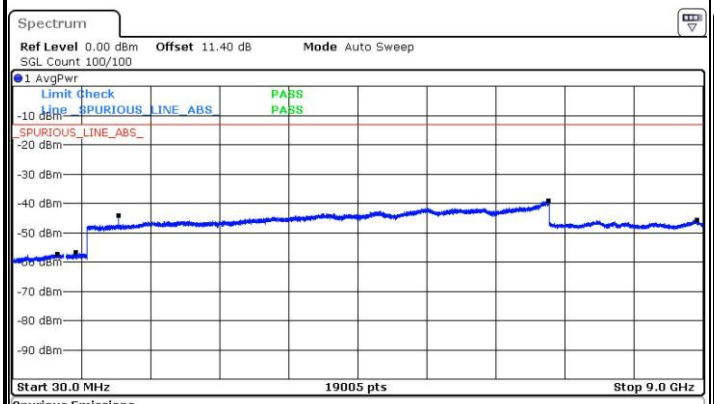
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	556.91154 MHz	-57.47 dBm	-44.47 dB
725.000 MHz	1.000 GHz	100.000 kHz	994.09341 MHz	-57.04 dBm	-44.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-43.57 dBm	-30.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-39.35 dBm	-26.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.65059 GHz	-45.78 dBm	-32.78 dB

Date: 13.MAY.2016 11:10:32

LTE Band 12 / 10MHz

Middle Channel / QPSK

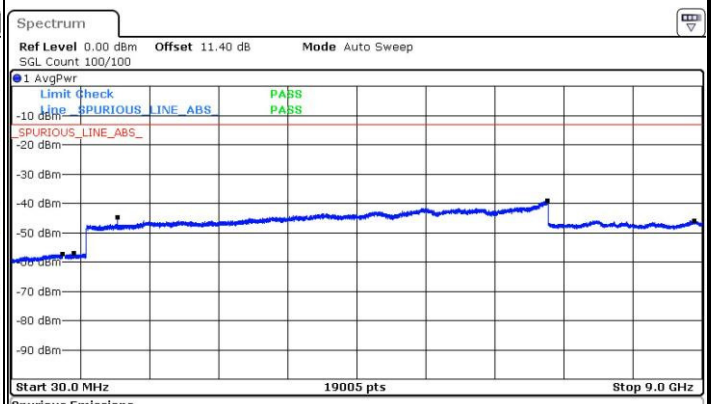


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	604.73763 MHz	-57.38 dBm	-44.38 dB
725.000 MHz	1.000 GHz	100.000 kHz	847.11538 MHz	-56.84 dBm	-43.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.27 dBm	-31.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-39.23 dBm	-26.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91877 GHz	-45.70 dBm	-32.70 dB

Date: 13.MAY.2016 11:13:15

Middle Channel / 16QAM

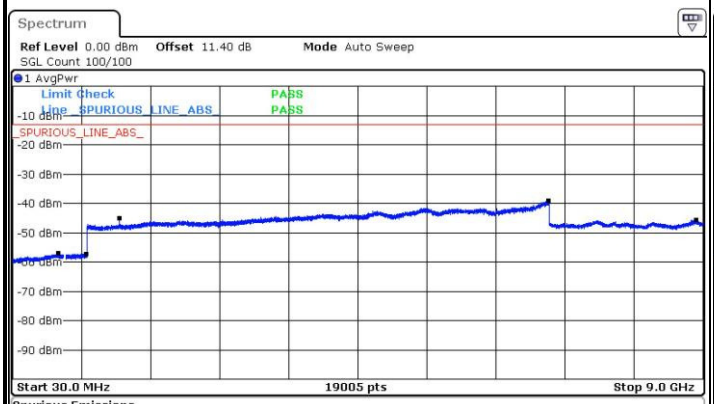


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	688.51574 MHz	-57.39 dBm	-44.39 dB
725.000 MHz	1.000 GHz	100.000 kHz	838.32418 MHz	-57.02 dBm	-44.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-44.66 dBm	-31.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-39.24 dBm	-26.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89528 GHz	-45.85 dBm	-32.85 dB

Date: 13.MAY.2016 11:12:17

Highest Channel / QPSK

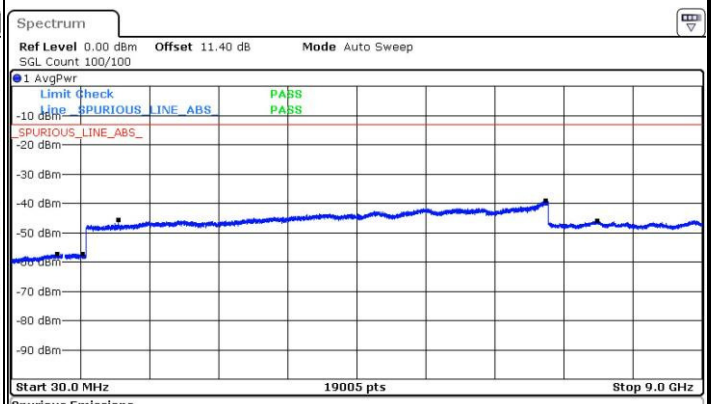


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.55922 MHz	-56.92 dBm	-43.92 dB
725.000 MHz	1.000 GHz	100.000 kHz	984.75275 MHz	-57.19 dBm	-44.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.11 dBm	-32.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-39.19 dBm	-26.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91027 GHz	-45.67 dBm	-32.67 dB

Date: 13.MAY.2016 11:23:10

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	621.55922 MHz	-57.19 dBm	-44.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	947.11538 MHz	-57.28 dBm	-44.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.58 dBm	-32.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96725 GHz	-39.18 dBm	-26.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.63559 GHz	-45.91 dBm	-32.91 dB

Date: 13.MAY.2016 11:24:08

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	0.0180	PASS
40	Normal Voltage	0.0191	
30	Normal Voltage	0.0220	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0172	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0194	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0164	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0204	

Note:

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

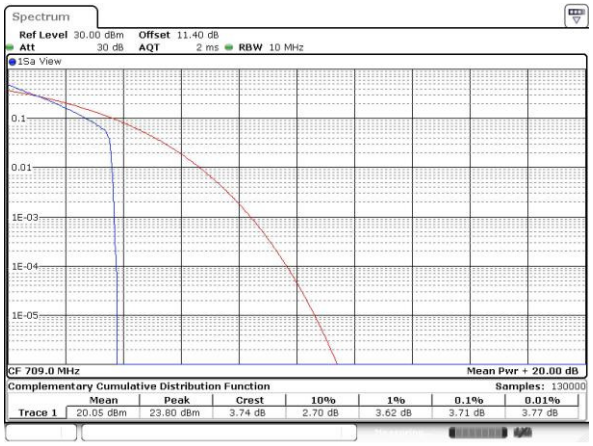
LTE Band 17

Peak-to-Average Ratio

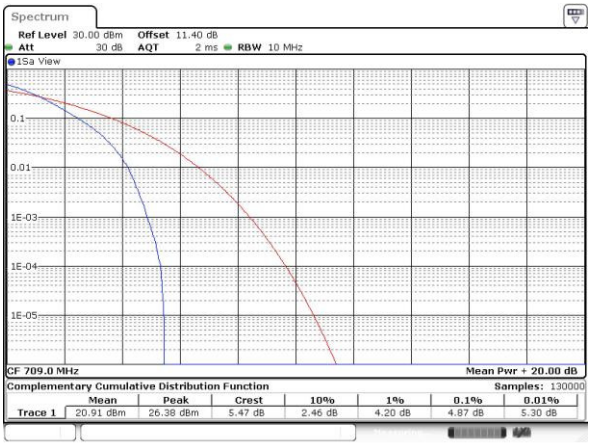
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.71	4.87	4.55	5.74	PASS
Middle CH	3.74	4.70	4.41	5.77	
Highest CH	3.71	4.84	4.70	5.80	

LTE Band 17 / 10MHz / QPSK

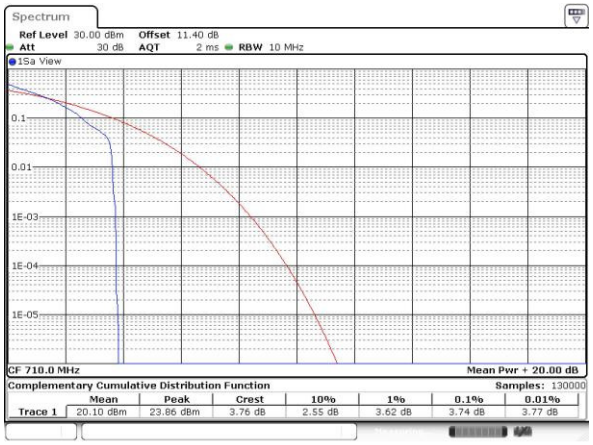
Lowest Channel / 1RB



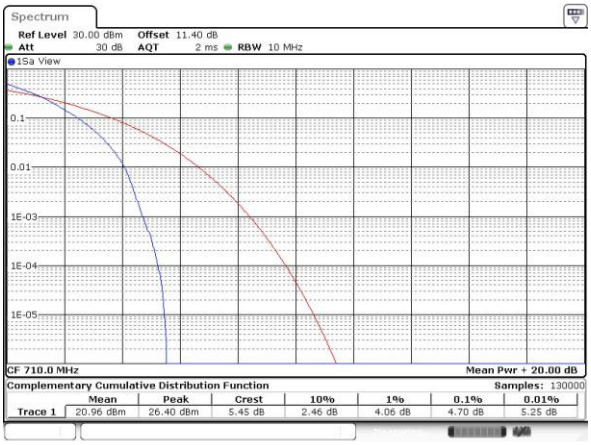
Lowest Channel / Full RB



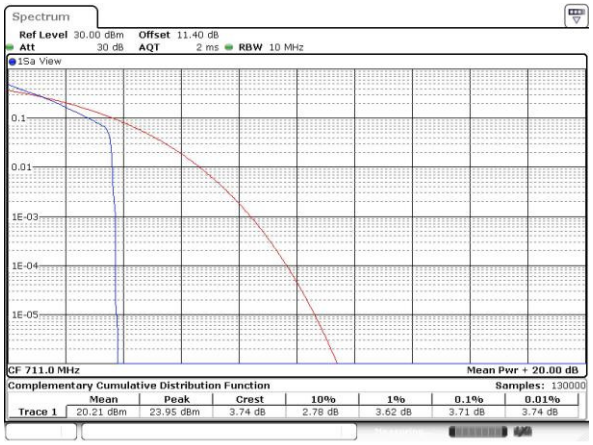
Middle Channel/ 1RB



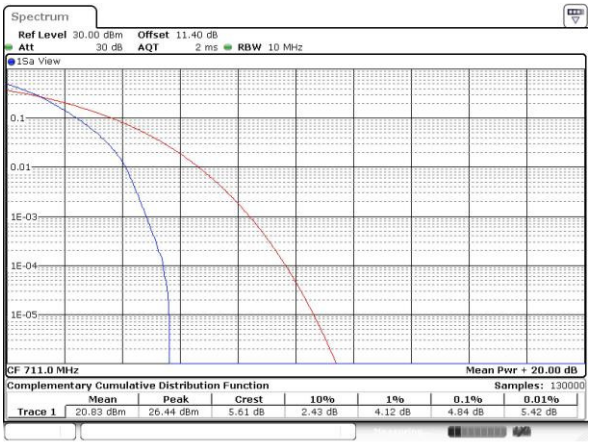
Middle Channel / Full RB



Highest Channel/ 1RB

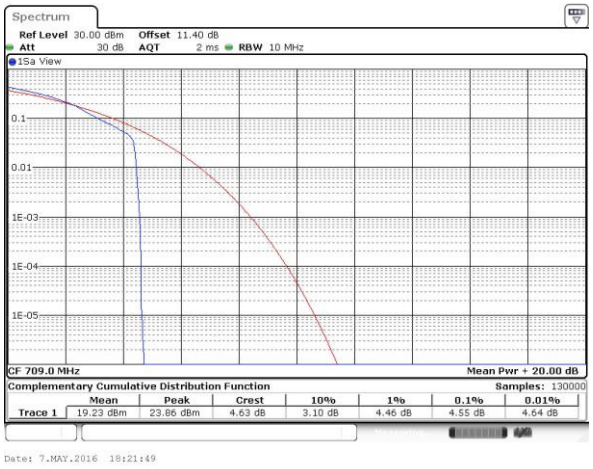


Highest Channel / Full RB

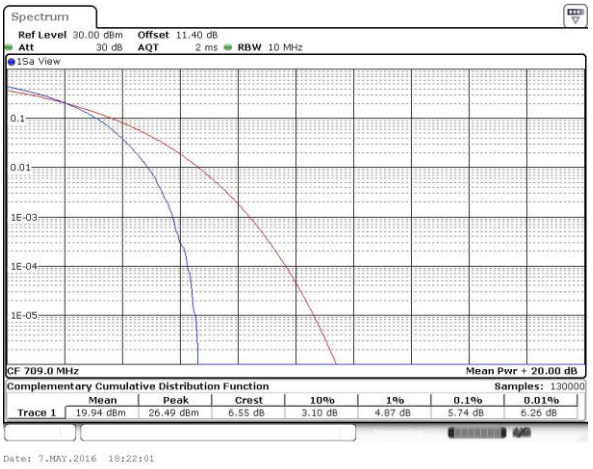


LTE Band 17 / 10MHz / 16QAM

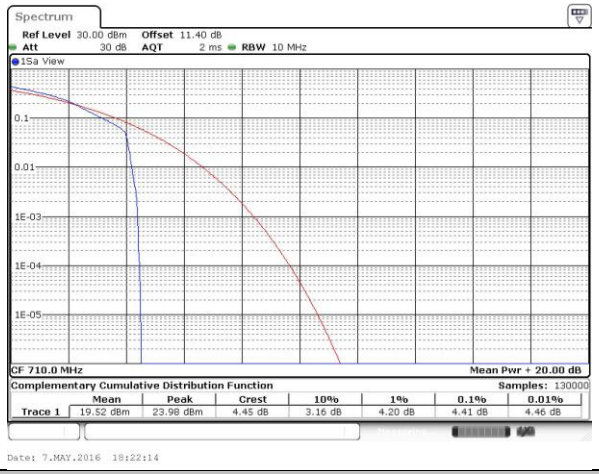
Lowest Channel / 1RB



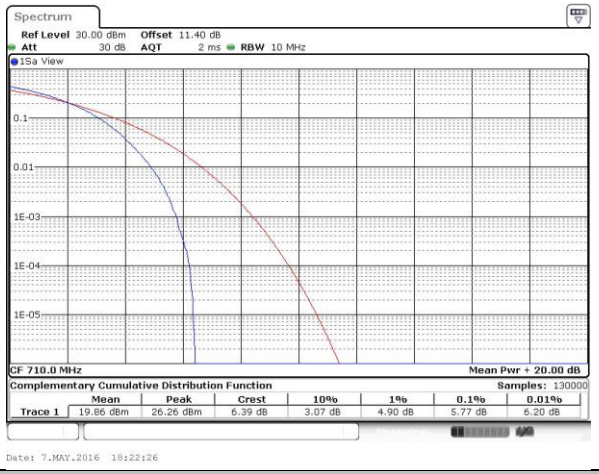
Lowest Channel / Full RB



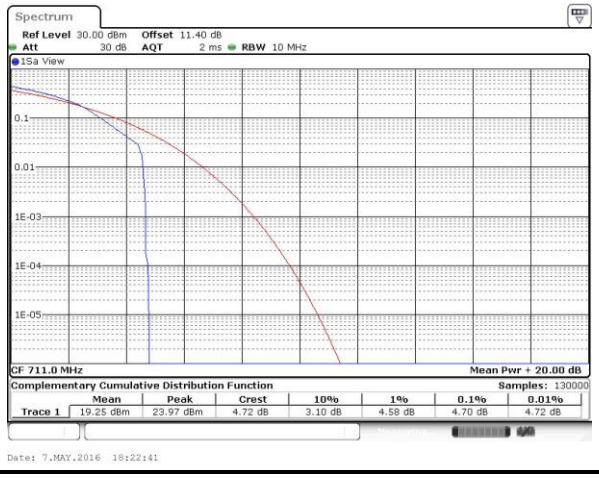
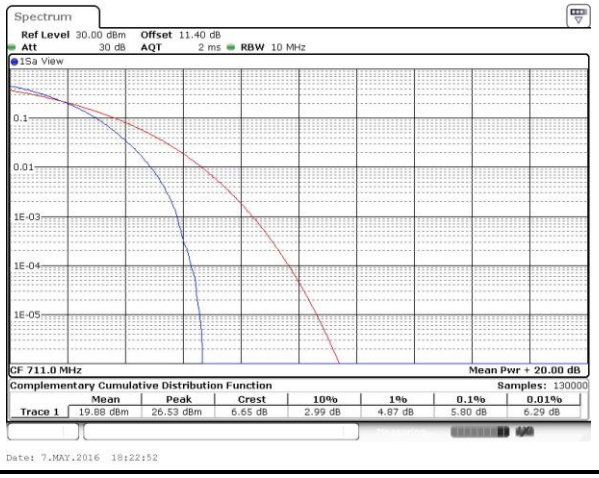
Middle Channel/ 1RB



Middle Channel / Full RB



Highest Channel/ 1RB



Highest Channel / Full RB