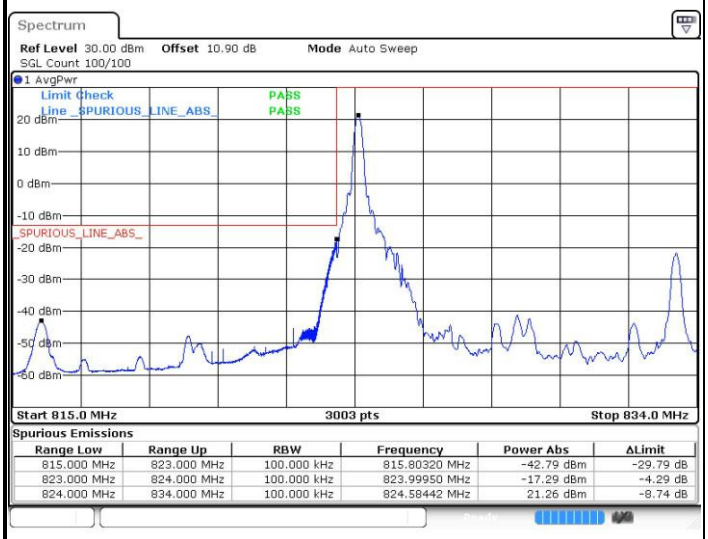
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

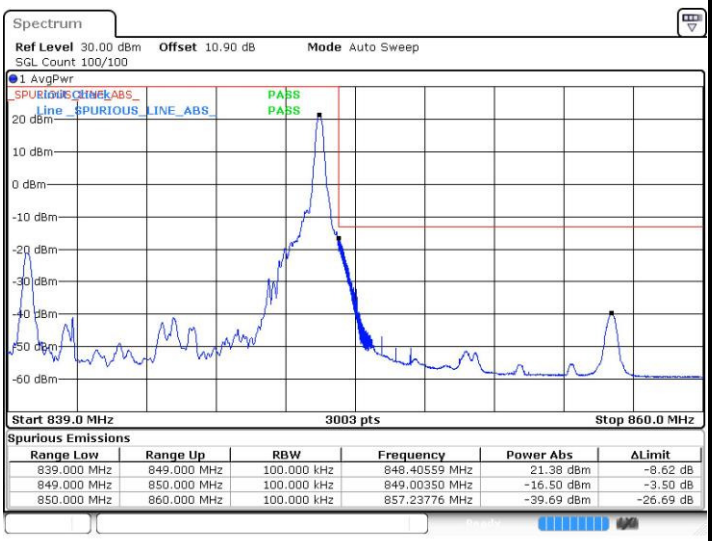


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.80320 MHz	-42.79 dBm	-29.79 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950 MHz	-17.29 dBm	-4.29 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.58442 MHz	21.26 dBm	-8.74 dB

Date: 19.DEC.2016 09:59:19

Highest Band Edge / 1 RB

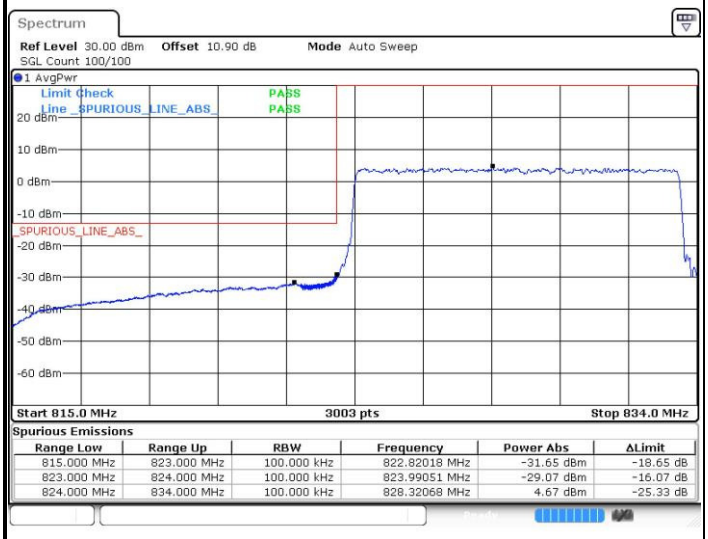


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	21.38 dBm	-8.62 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00350 MHz	-16.50 dBm	-3.50 dB
850.000 MHz	860.000 MHz	100.000 kHz	857.23776 MHz	-39.69 dBm	-26.69 dB

Date: 19.DEC.2016 10:10:56

Lowest Band Edge / Full RB

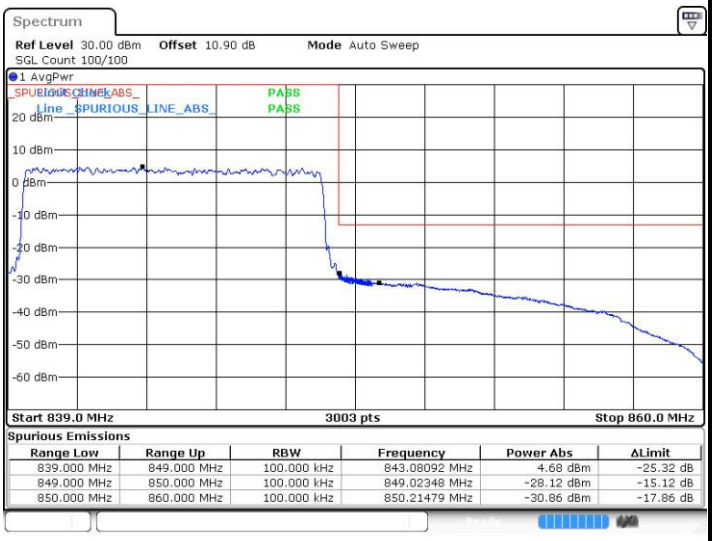


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.82018 MHz	-31.65 dBm	-18.65 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99051 MHz	-29.07 dBm	-16.07 dB
824.000 MHz	834.000 MHz	100.000 kHz	828.32068 MHz	4.67 dBm	-25.33 dB

Date: 19.DEC.2016 10:02:37

Highest Band Edge / Full RB



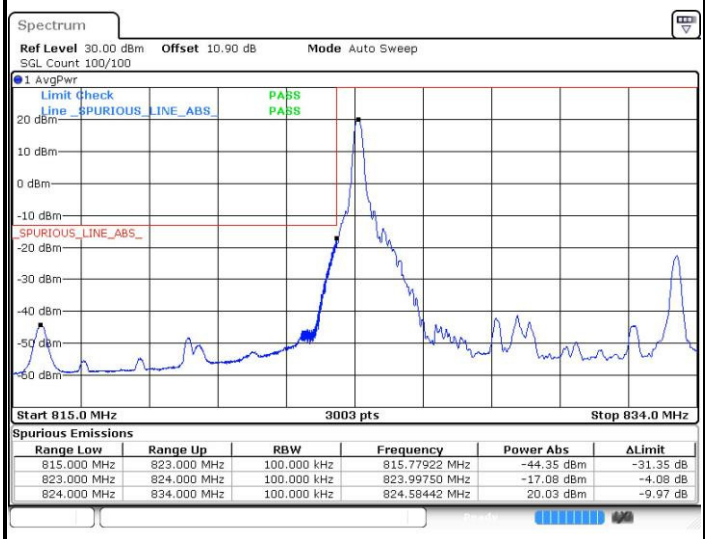
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	843.08092 MHz	4.68 dBm	-25.32 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.02348 MHz	-28.12 dBm	-15.12 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.21479 MHz	-30.86 dBm	-17.86 dB

Date: 19.DEC.2016 10:14:14

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

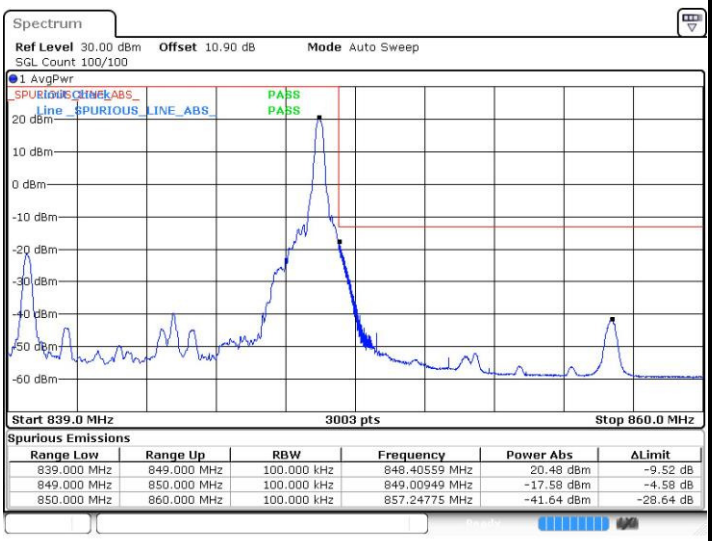


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	815.77922 MHz	-44.35 dBm	-31.35 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99750 MHz	-17.08 dBm	-4.08 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.58442 MHz	20.03 dBm	-9.97 dB

Date: 19.DEC.2016 10:00:58

Highest Band Edge / 1 RB

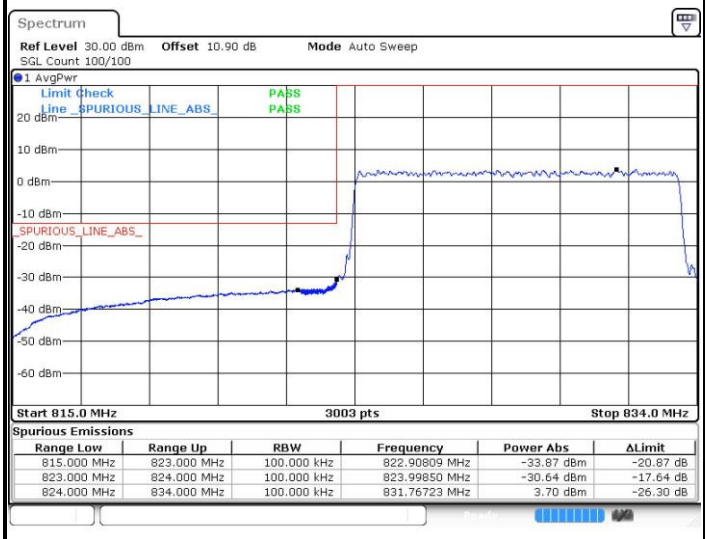


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.40559 MHz	20.48 dBm	-9.52 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00949 MHz	-17.58 dBm	-4.58 dB
850.000 MHz	860.000 MHz	100.000 kHz	857.24775 MHz	-41.64 dBm	-28.64 dB

Date: 19.DEC.2016 10:12:35

Lowest Band Edge / Full RB

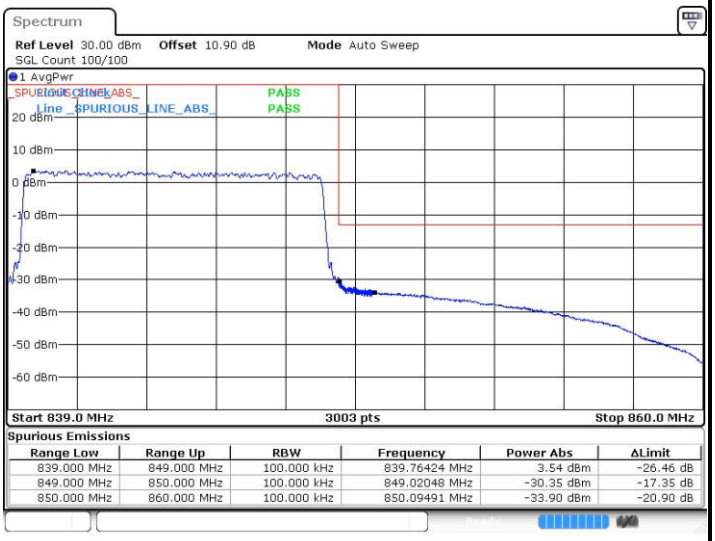


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.90809 MHz	-33.87 dBm	-20.87 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99850 MHz	-30.64 dBm	-17.64 dB
824.000 MHz	834.000 MHz	100.000 kHz	831.76723 MHz	3.70 dBm	-26.30 dB

Date: 19.DEC.2016 10:04:16

Highest Band Edge / Full RB



Spurious Emissions

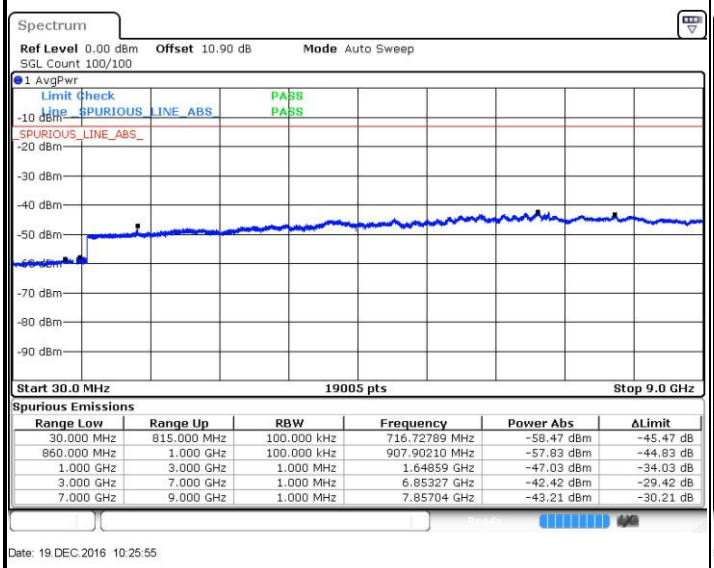
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	839.76424 MHz	3.54 dBm	-26.46 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.02048 MHz	-30.35 dBm	-17.35 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.09491 MHz	-33.90 dBm	-20.90 dB

Date: 19.DEC.2016 10:15:53

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

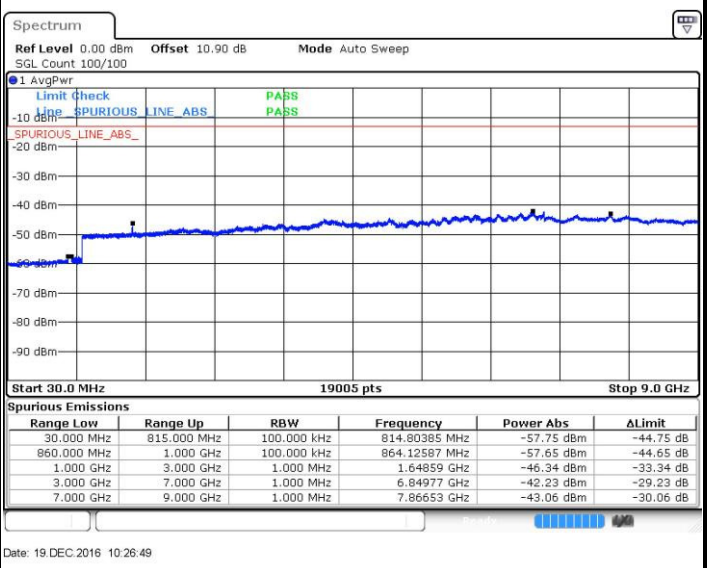


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	716.72789 MHz	-58.47 dBm	-45.47 dB
860.000 MHz	1.000 GHz	100.000 kHz	907.90210 MHz	-57.83 dBm	-44.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-47.03 dBm	-34.03 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85327 GHz	-42.42 dBm	-29.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85704 GHz	-43.21 dBm	-30.21 dB

Date: 19.DEC.2016 10:25:55

Lowest Channel / 16QAM

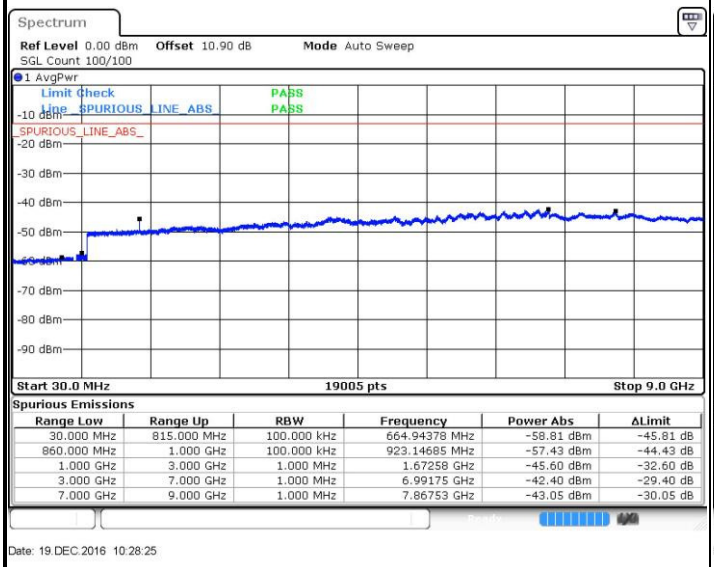


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-57.75 dBm	-44.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	864.12587 MHz	-57.65 dBm	-44.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84977 GHz	-42.23 dBm	-29.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86653 GHz	-43.06 dBm	-30.06 dB

Date: 19.DEC.2016 10:26:49

Middle Channel / QPSK

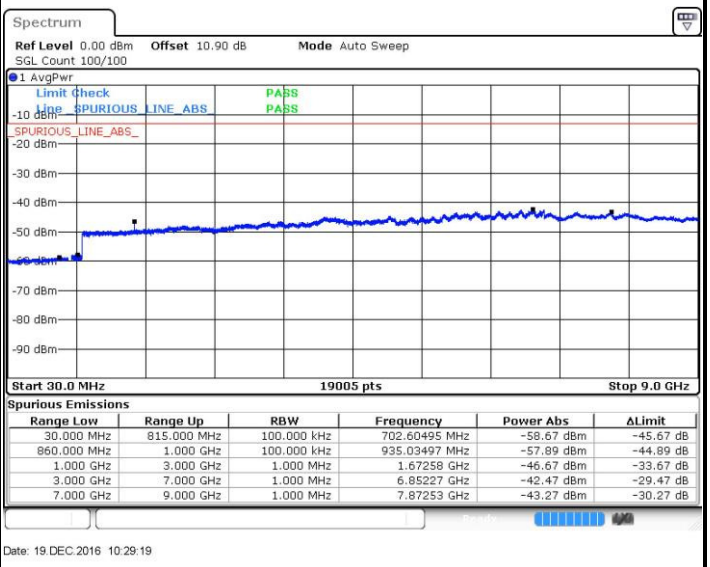


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	664.94378 MHz	-58.81 dBm	-45.81 dB
860.000 MHz	1.000 GHz	100.000 kHz	923.14685 MHz	-57.43 dBm	-44.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-45.60 dBm	-32.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-42.40 dBm	-29.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86753 GHz	-43.05 dBm	-30.05 dB

Date: 19.DEC.2016 10:28:25

Middle Channel / 16QAM



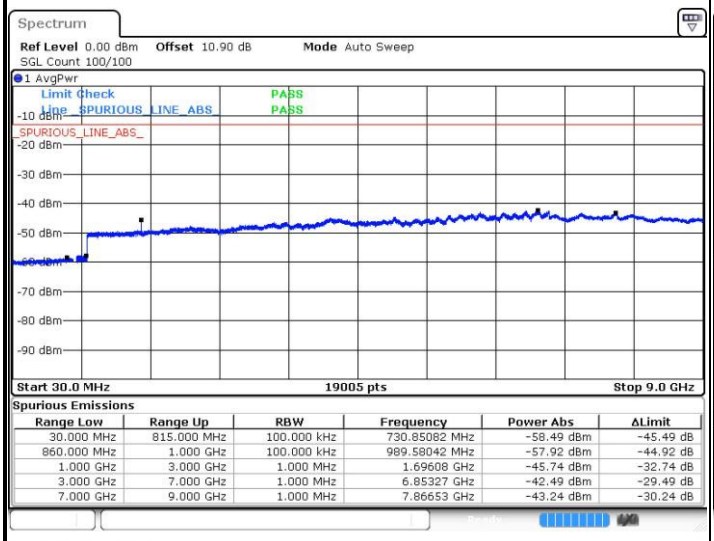
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	702.60495 MHz	-58.67 dBm	-45.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	935.03497 MHz	-57.89 dBm	-44.89 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-46.67 dBm	-33.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85227 GHz	-42.47 dBm	-29.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.87253 GHz	-43.27 dBm	-30.27 dB

Date: 19.DEC.2016 10:29:19

LTE Band 5 / 1.4MHz

Highest Channel / QPSK

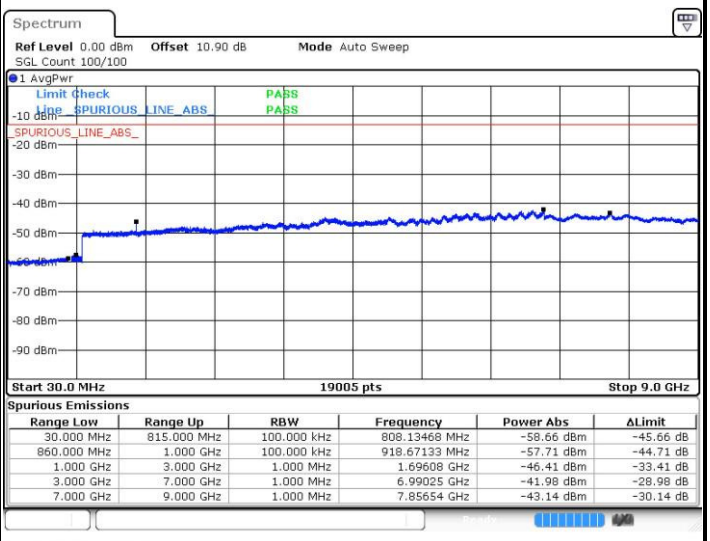


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	730.85082 MHz	-58.49 dBm	-45.49 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.58042 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-45.74 dBm	-32.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85327 GHz	-42.49 dBm	-29.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86653 GHz	-43.24 dBm	-30.24 dB

Date: 19.DEC.2016 10:37:32

Highest Channel / 16QAM



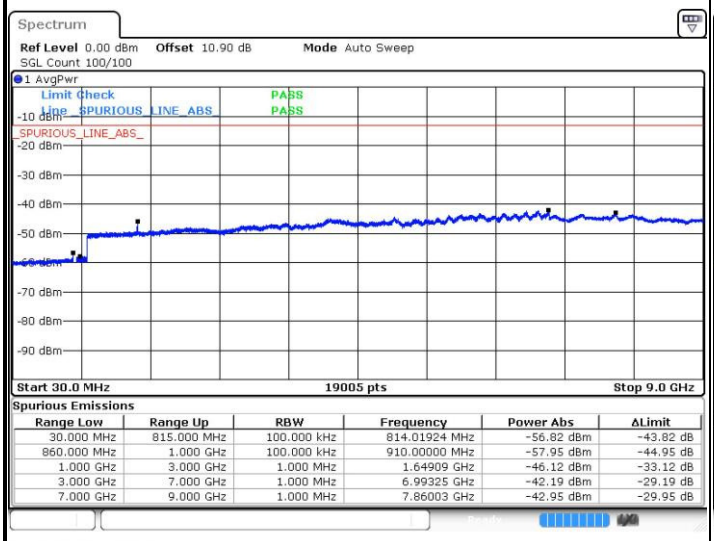
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.13468 MHz	-58.66 dBm	-45.66 dB
860.000 MHz	1.000 GHz	100.000 kHz	918.67133 MHz	-57.71 dBm	-44.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-46.41 dBm	-33.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-41.98 dBm	-28.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85654 GHz	-43.14 dBm	-30.14 dB

Date: 19.DEC.2016 10:38:26

LTE Band 5 / 3MHz

Lowest Channel / QPSK

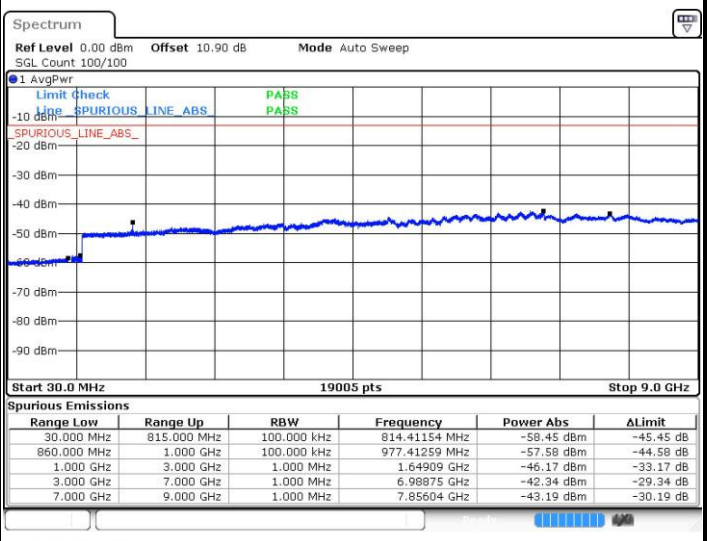


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-56.82 dBm	-43.82 dB
860.000 MHz	1.000 GHz	100.000 kHz	910.00000 MHz	-57.95 dBm	-44.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-46.12 dBm	-33.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.19 dBm	-29.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86003 GHz	-42.95 dBm	-29.95 dB

Date: 19.DEC.2016 09:23:45

Lowest Channel / 16QAM



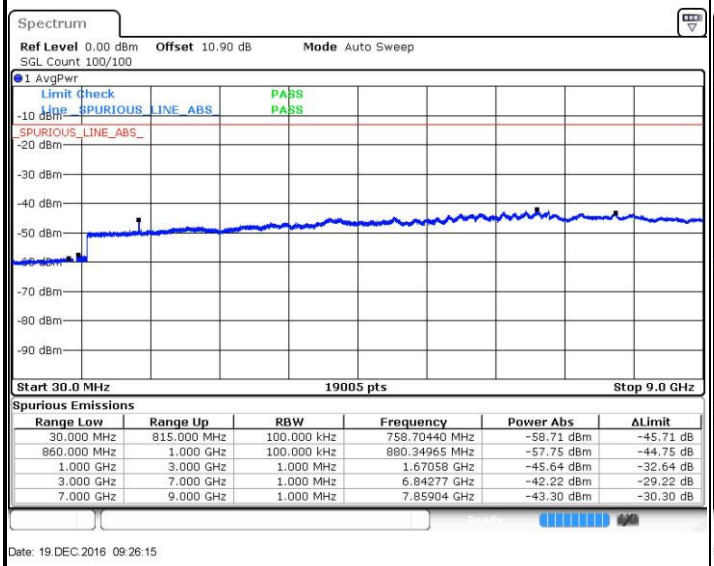
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-58.45 dBm	-45.45 dB
860.000 MHz	1.000 GHz	100.000 kHz	977.41259 MHz	-57.58 dBm	-44.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-46.17 dBm	-33.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-42.34 dBm	-29.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85604 GHz	-43.19 dBm	-30.19 dB

Date: 19.DEC.2016 09:24:39

LTE Band 5 / 3MHz

Middle Channel / QPSK

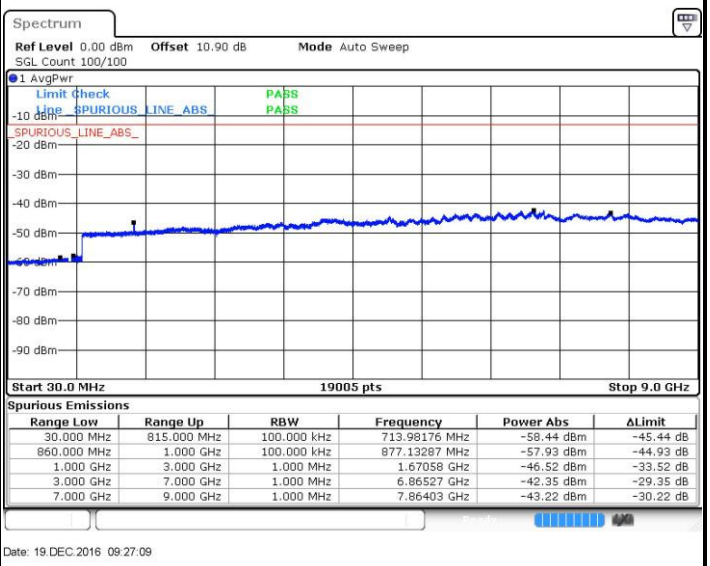


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	758.70440 MHz	-58.71 dBm	-45.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	880.34965 MHz	-57.75 dBm	-44.75 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-45.64 dBm	-32.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84277 GHz	-42.22 dBm	-29.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85904 GHz	-43.30 dBm	-30.30 dB

Date: 19.DEC.2016 09:26:15

Middle Channel / 16QAM

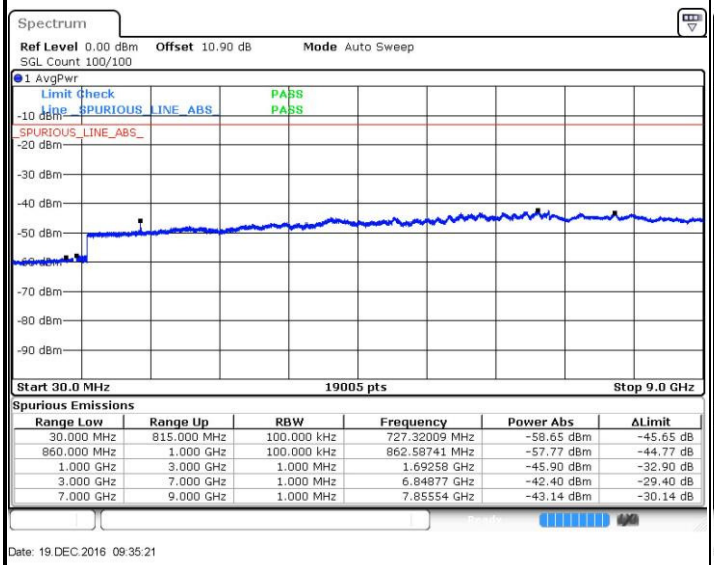


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	713.98176 MHz	-58.44 dBm	-45.44 dB
860.000 MHz	1.000 GHz	100.000 kHz	877.13287 MHz	-57.93 dBm	-44.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-46.52 dBm	-33.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86527 GHz	-42.35 dBm	-29.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86403 GHz	-43.22 dBm	-30.22 dB

Date: 19.DEC.2016 09:27:09

Highest Channel / QPSK

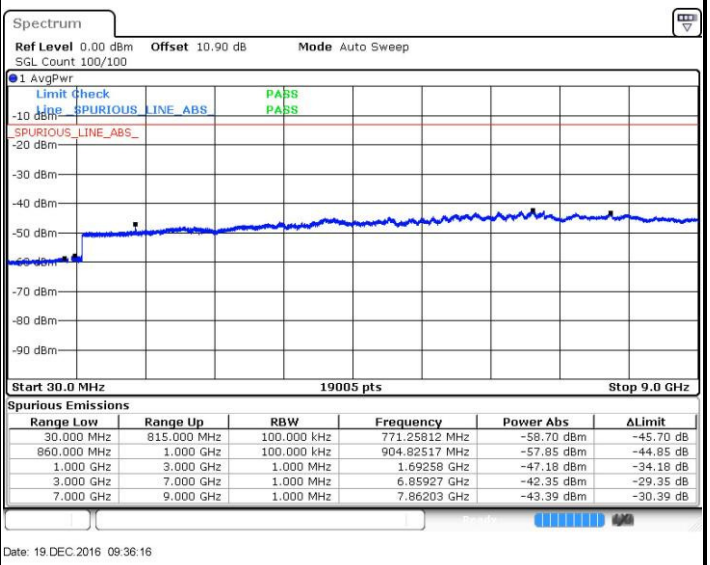


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	727.32009 MHz	-58.65 dBm	-45.65 dB
860.000 MHz	1.000 GHz	100.000 kHz	862.58741 MHz	-57.77 dBm	-44.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-45.90 dBm	-32.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84877 GHz	-42.40 dBm	-29.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85554 GHz	-43.14 dBm	-30.14 dB

Date: 19.DEC.2016 09:35:21

Highest Channel / 16QAM



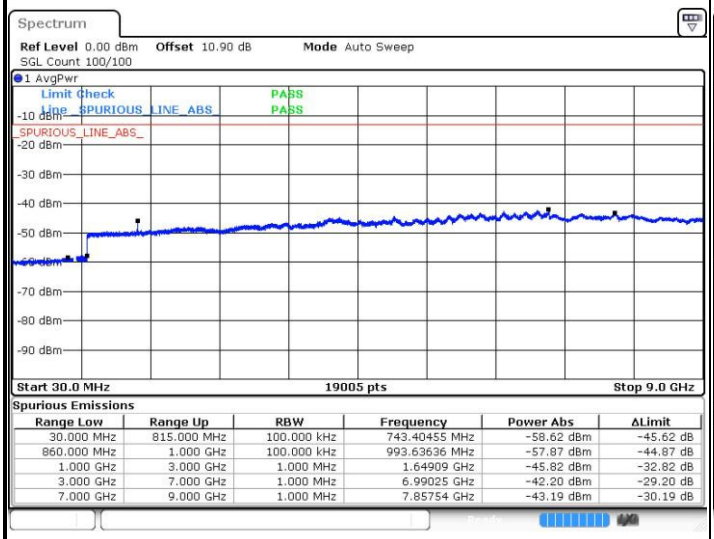
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	771.25812 MHz	-58.70 dBm	-45.70 dB
860.000 MHz	1.000 GHz	100.000 kHz	904.82517 MHz	-57.85 dBm	-44.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-47.18 dBm	-34.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85927 GHz	-42.35 dBm	-29.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86203 GHz	-43.39 dBm	-30.39 dB

Date: 19.DEC.2016 09:36:16

LTE Band 5 / 5MHz

Lowest Channel / QPSK

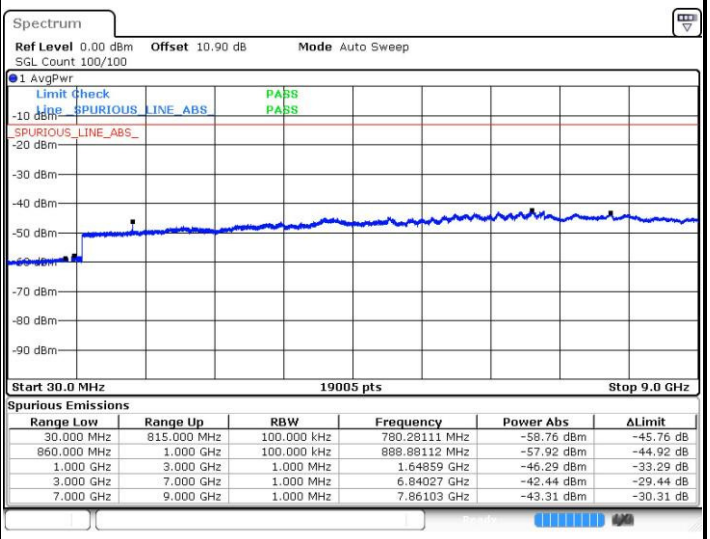


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	743.40455 MHz	-58.62 dBm	-45.62 dB
860.000 MHz	1.000 GHz	100.000 kHz	993.63636 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64909 GHz	-45.82 dBm	-32.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.20 dBm	-29.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85754 GHz	-43.19 dBm	-30.19 dB

Date: 19.DEC.2016 09:44:28

Lowest Channel / 16QAM

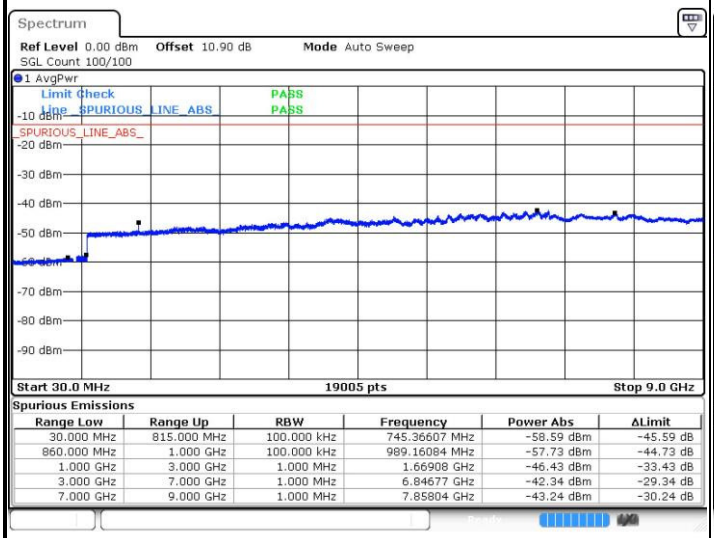


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	780.28111 MHz	-58.76 dBm	-45.76 dB
860.000 MHz	1.000 GHz	100.000 kHz	888.88112 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-46.29 dBm	-33.29 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84027 GHz	-42.44 dBm	-29.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86103 GHz	-43.31 dBm	-30.31 dB

Date: 19.DEC.2016 09:45:22

Middle Channel / QPSK

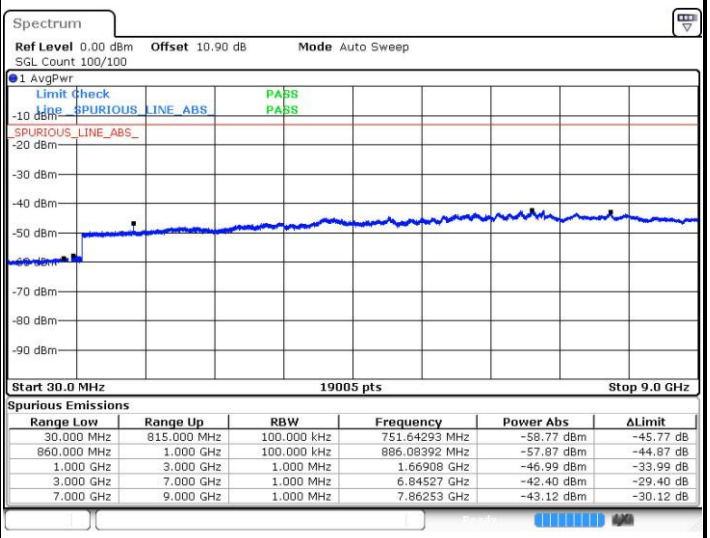


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	745.36607 MHz	-58.59 dBm	-45.59 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.16084 MHz	-57.73 dBm	-44.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-46.43 dBm	-33.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84677 GHz	-42.34 dBm	-29.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-43.24 dBm	-30.24 dB

Date: 19.DEC.2016 09:46:58

Middle Channel / 16QAM



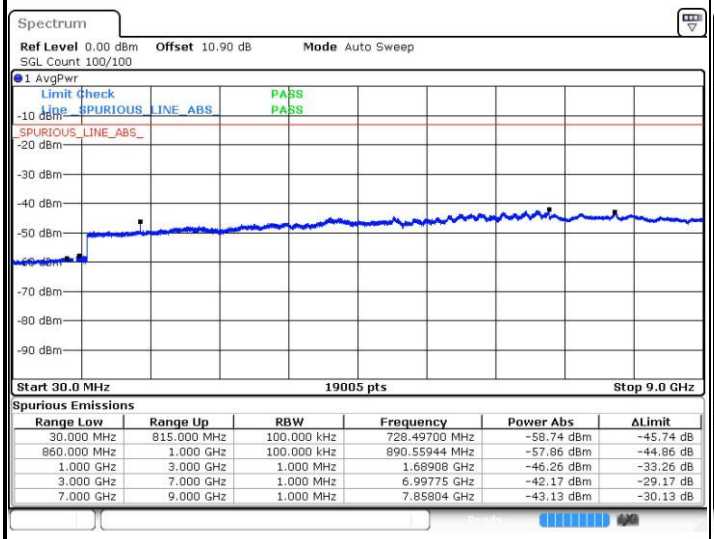
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	751.64293 MHz	-58.77 dBm	-45.77 dB
860.000 MHz	1.000 GHz	100.000 kHz	886.08392 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-46.99 dBm	-33.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84527 GHz	-42.40 dBm	-29.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86253 GHz	-43.12 dBm	-30.12 dB

Date: 19.DEC.2016 09:47:52

LTE Band 5 / 5MHz

Highest Channel / QPSK

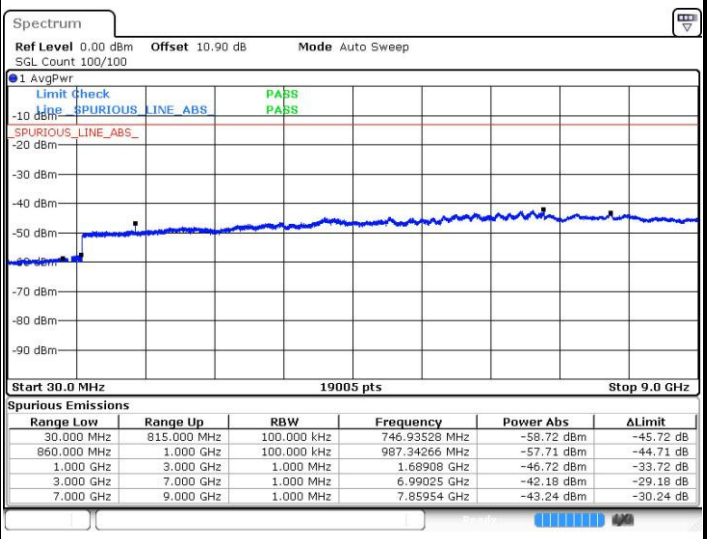


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	728.49700 MHz	-58.74 dBm	-45.74 dB
860.000 MHz	1.000 GHz	100.000 kHz	890.55944 MHz	-57.86 dBm	-44.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-46.26 dBm	-33.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-42.17 dBm	-29.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-43.13 dBm	-30.13 dB

Date: 19.DEC.2016 09:56:05

Highest Channel / 16QAM



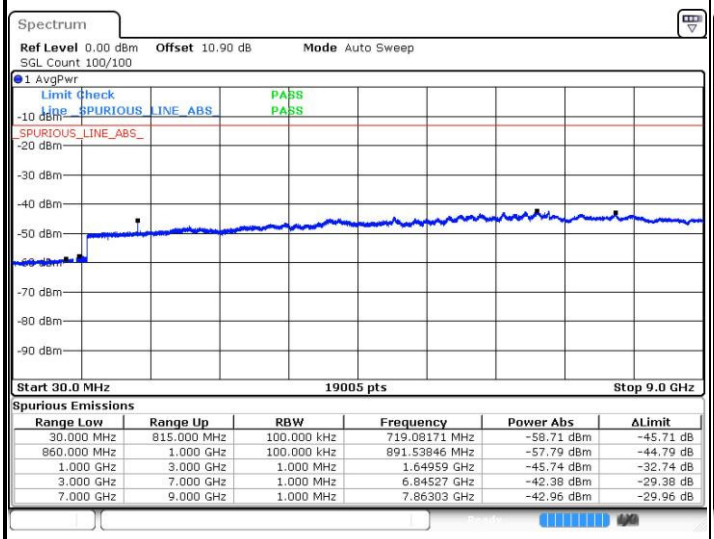
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	746.93528 MHz	-58.72 dBm	-45.72 dB
860.000 MHz	1.000 GHz	100.000 kHz	987.34266 MHz	-57.71 dBm	-44.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-42.18 dBm	-29.18 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85954 GHz	-43.24 dBm	-30.24 dB

Date: 19.DEC.2016 09:56:59

LTE Band 5 / 10MHz

Lowest Channel / QPSK

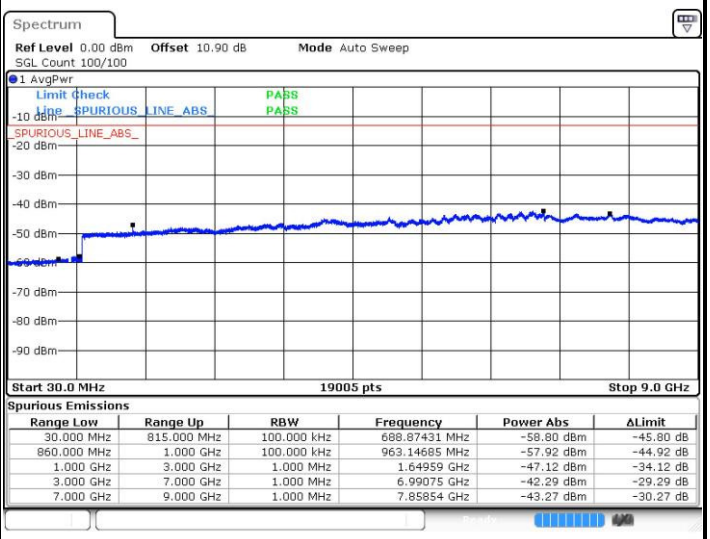


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	719.08171 MHz	-58.71 dBm	-45.71 dB
860.000 MHz	1.000 GHz	100.000 kHz	891.53846 MHz	-57.79 dBm	-44.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-45.74 dBm	-32.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84527 GHz	-42.38 dBm	-29.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86303 GHz	-42.96 dBm	-29.96 dB

Date: 19.DEC.2016 10:05:11

Lowest Channel / 16QAM



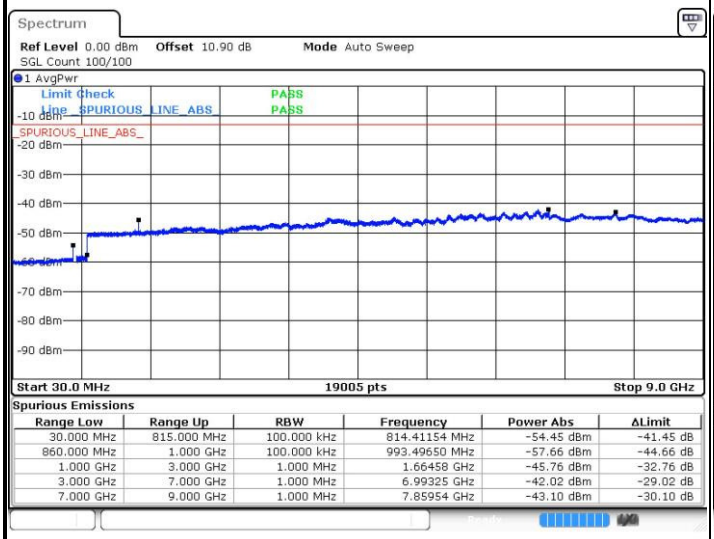
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	688.87431 MHz	-58.80 dBm	-45.80 dB
860.000 MHz	1.000 GHz	100.000 kHz	963.14685 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-47.12 dBm	-34.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-42.29 dBm	-29.29 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85854 GHz	-43.27 dBm	-30.27 dB

Date: 19.DEC.2016 10:06:06

LTE Band 5 / 10MHz

Middle Channel / QPSK

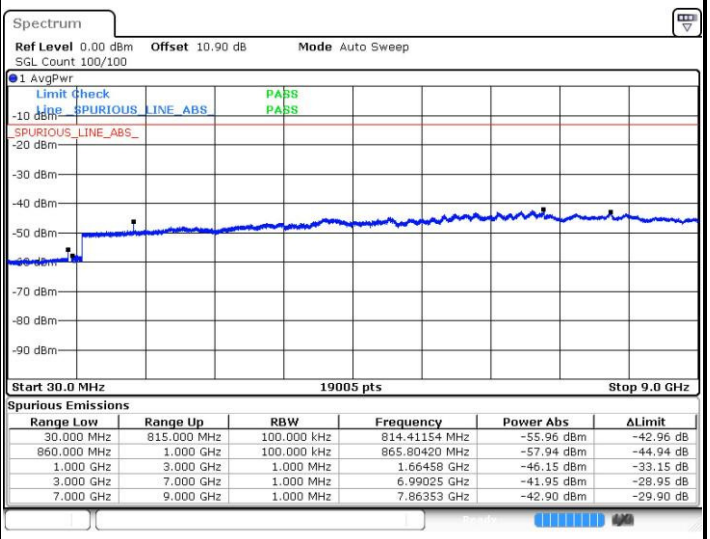


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-54.45 dBm	-41.45 dB
860.000 MHz	1.000 GHz	100.000 kHz	993.49650 MHz	-57.66 dBm	-44.66 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-45.76 dBm	-32.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-42.02 dBm	-29.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85954 GHz	-43.10 dBm	-30.10 dB

Date: 19.DEC.2016 10:07:41

Middle Channel / 16QAM

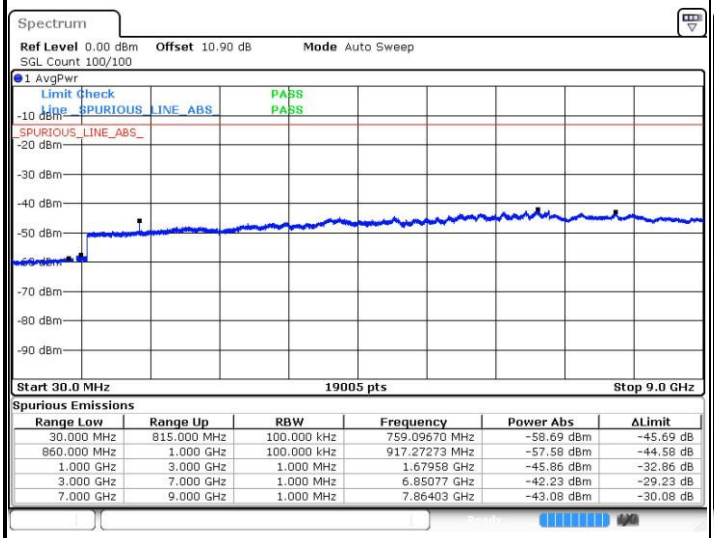


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-55.96 dBm	-42.96 dB
860.000 MHz	1.000 GHz	100.000 kHz	865.80420 MHz	-57.94 dBm	-44.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-46.15 dBm	-33.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99025 GHz	-41.95 dBm	-28.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86353 GHz	-42.90 dBm	-29.90 dB

Date: 19.DEC.2016 10:08:35

Highest Channel / QPSK

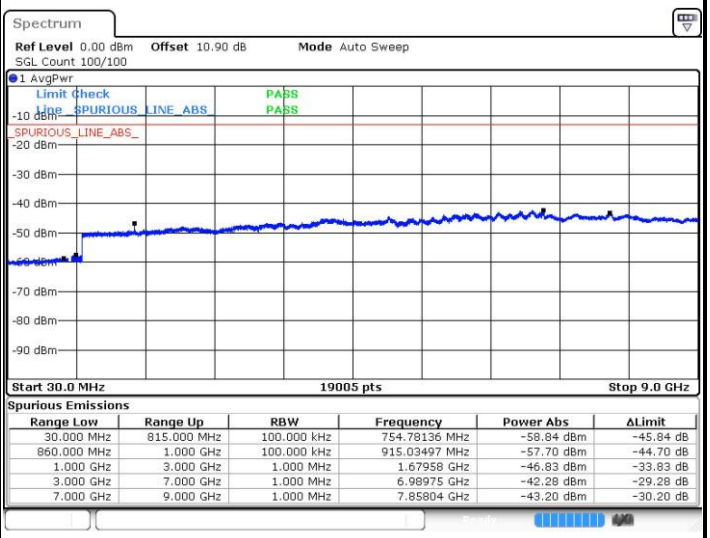


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	759.09670 MHz	-58.69 dBm	-45.69 dB
860.000 MHz	1.000 GHz	100.000 kHz	917.27273 MHz	-57.58 dBm	-44.58 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-45.86 dBm	-32.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85077 GHz	-42.23 dBm	-29.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.86403 GHz	-43.08 dBm	-30.08 dB

Date: 19.DEC.2016 10:16:48

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	754.78136 MHz	-58.84 dBm	-45.84 dB
860.000 MHz	1.000 GHz	100.000 kHz	915.03497 MHz	-57.70 dBm	-44.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-46.83 dBm	-33.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-42.28 dBm	-29.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.85804 GHz	-43.20 dBm	-30.20 dB

Date: 19.DEC.2016 10:17:42

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0124	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0092	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0098	
0	Normal Voltage	0.0103	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0096	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0123	

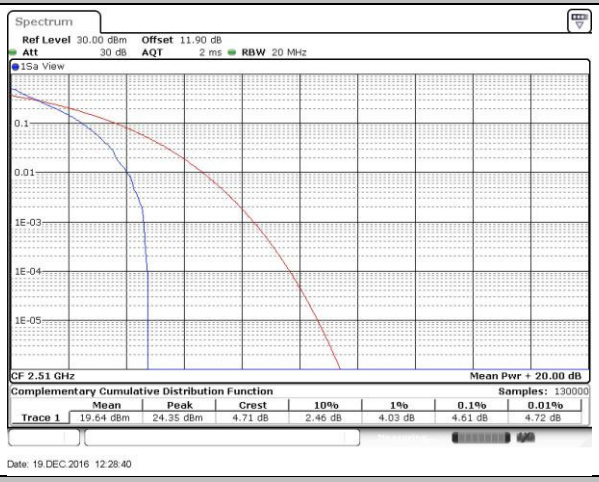
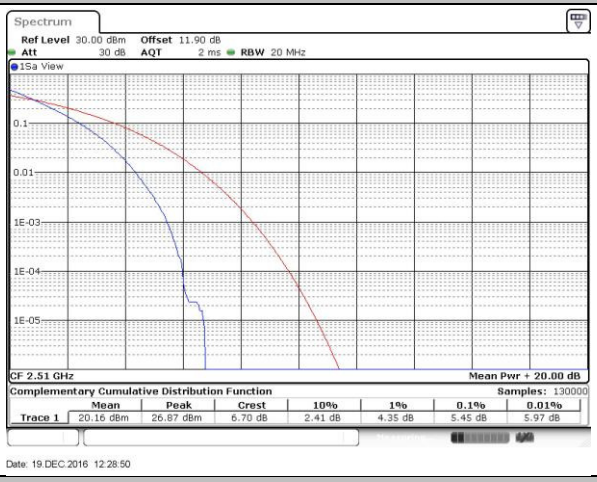
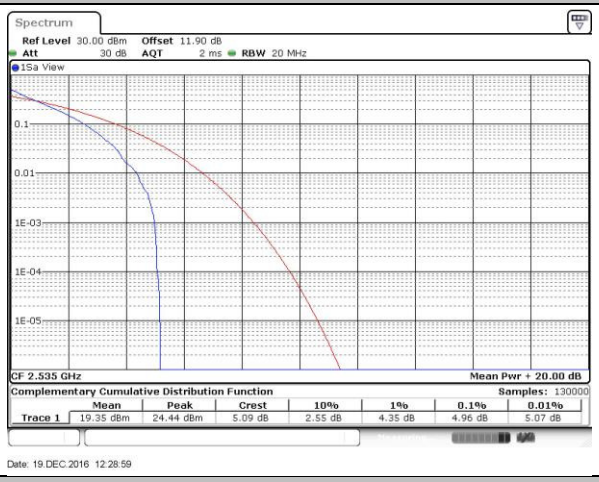
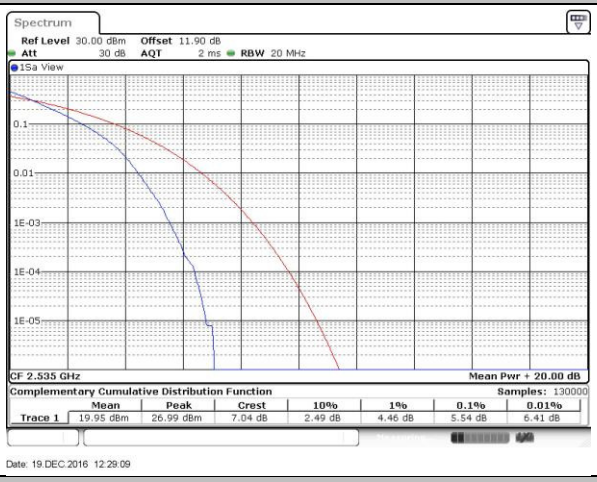
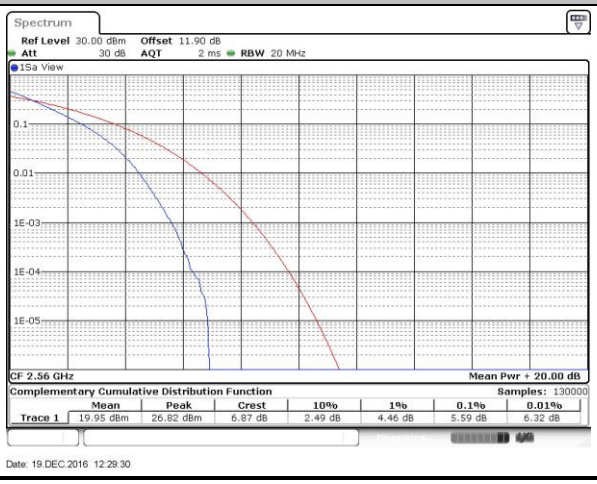
Note:

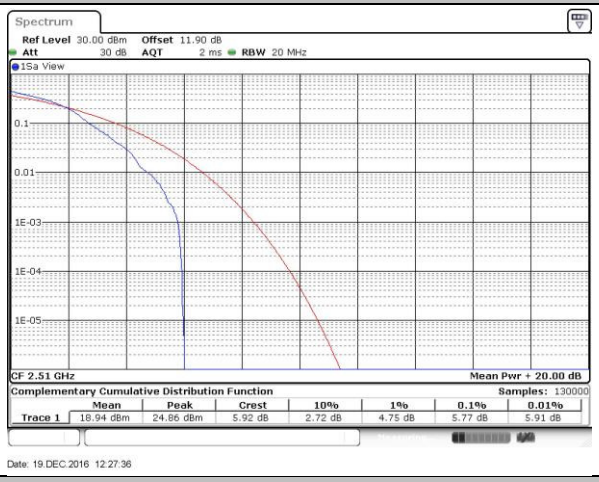
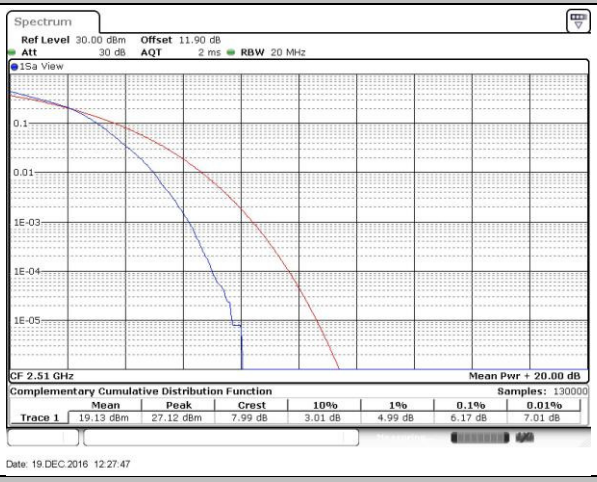
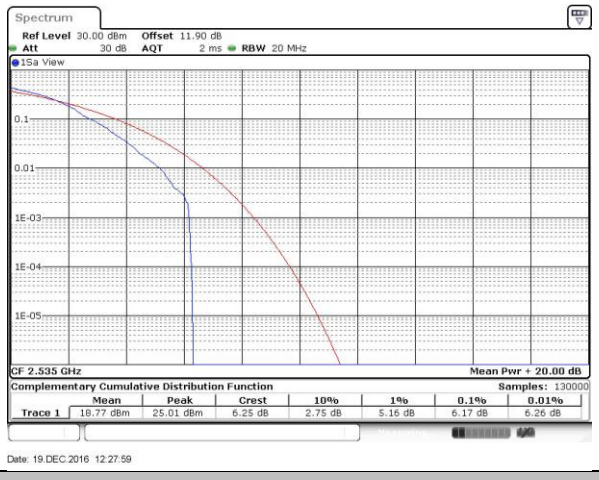
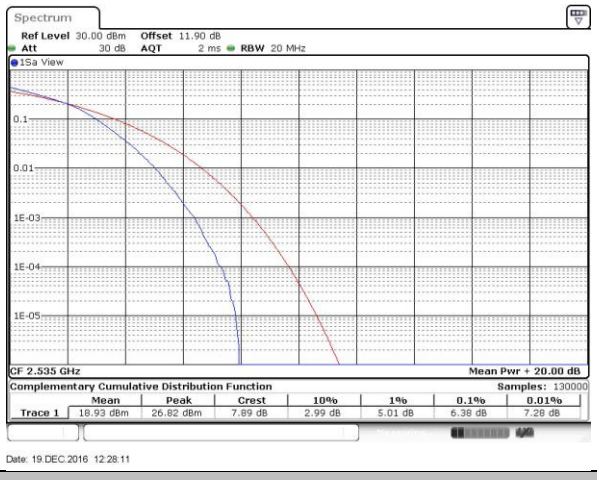
1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 7

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.61	5.45	5.77	6.17	PASS
Middle CH	4.96	5.54	6.17	6.38	
Highest CH	4.9	5.59	5.25	6.35	

LTE Band 7 / 20MHz / QPSK	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**
	

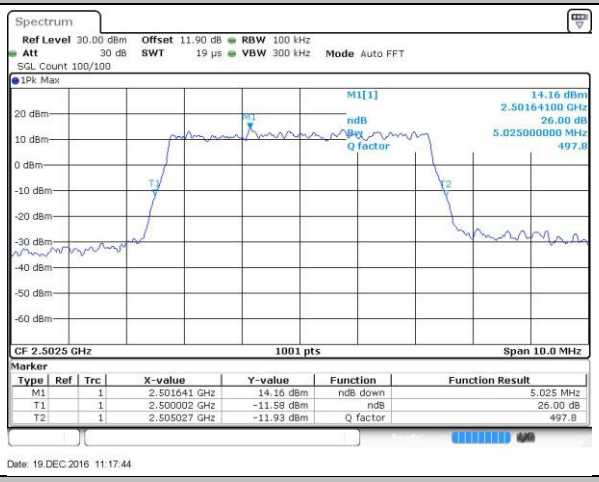
LTE Band 7 / 20MHz / 16QAM	
Lowest Channel / 1RB	**Lowest Channel / Full RB**
	
Middle Channel / 1RB	**Middle Channel / Full RB**
	
Highest Channel / 1RB	**Highest Channel / Full RB**

26dB Bandwidth

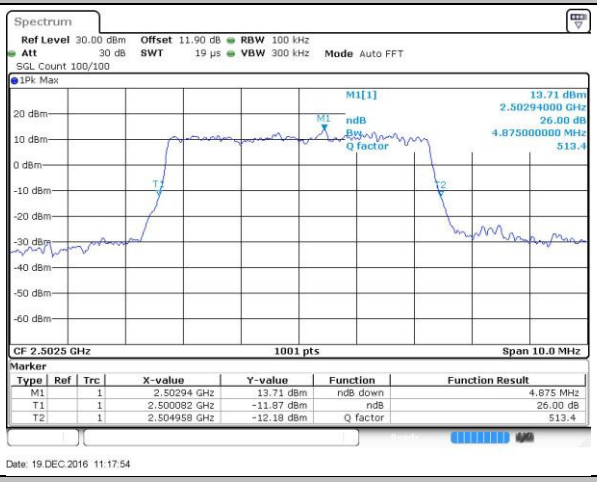
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.03	4.88	9.89	9.81	14.72	14.45	20.06	20.34
Middle CH	-	-	-	-	4.87	5.10	9.99	9.93	14.87	14.90	20.38	20.38
Highest CH	-	-	-	-	4.93	4.96	10.07	9.81	14.42	14.72	20.10	20.38

LTE Band 7

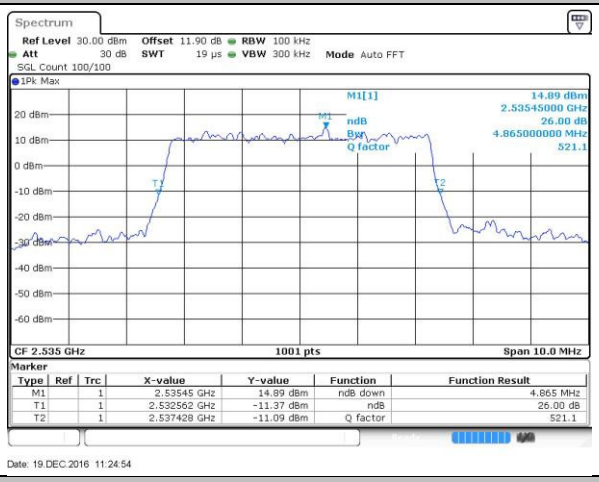
Lowest Channel / 5MHz / QPSK



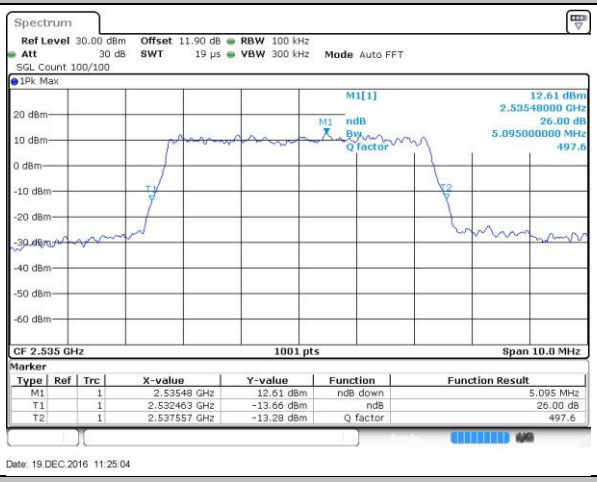
Lowest Channel / 5MHz / 16QAM



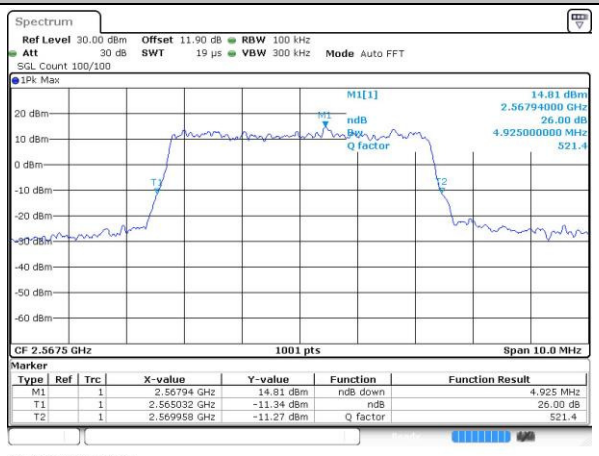
Middle Channel / 5MHz / QPSK



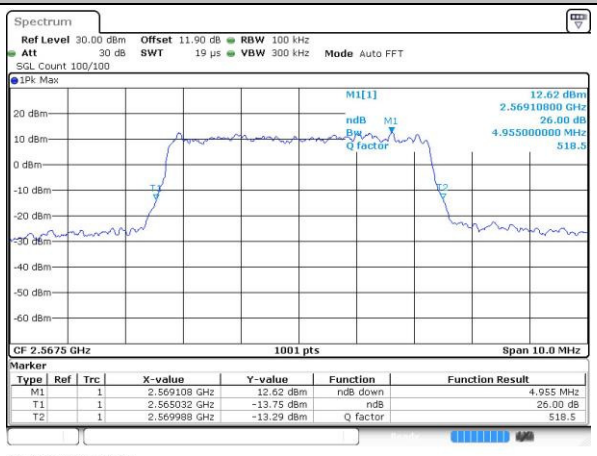
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

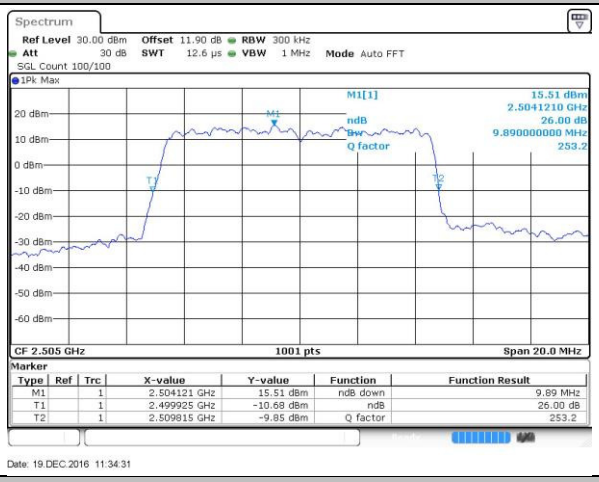


Highest Channel / 5MHz / 16QAM

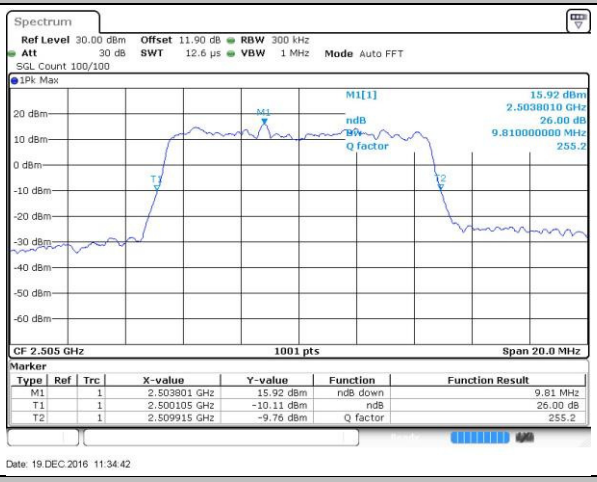


LTE Band 7

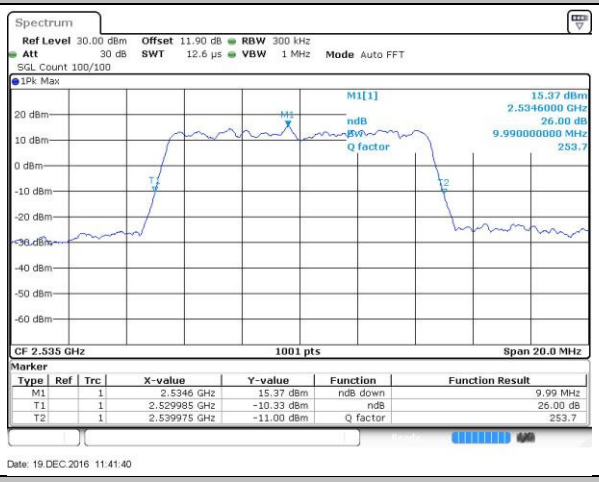
Lowest Channel / 10MHz / QPSK



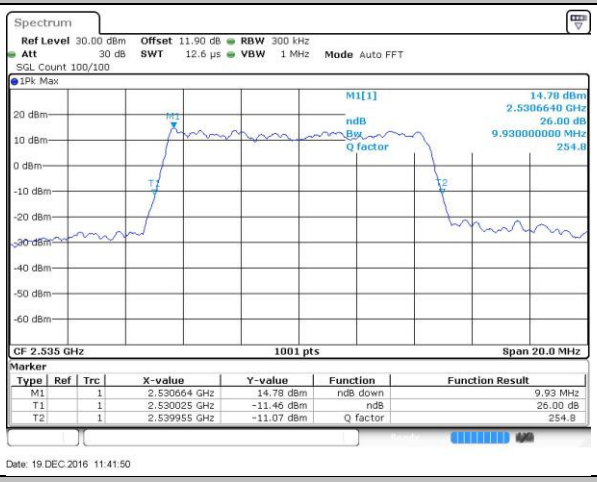
Lowest Channel / 10MHz / 16QAM



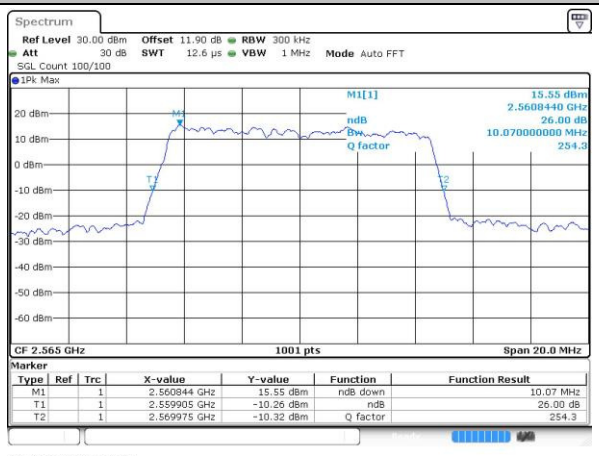
Middle Channel / 10MHz / QPSK



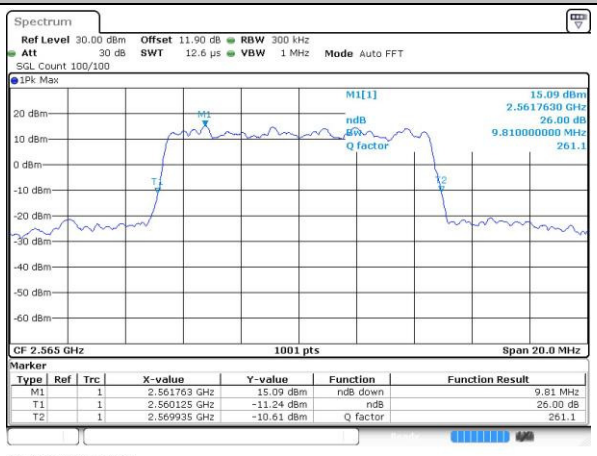
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

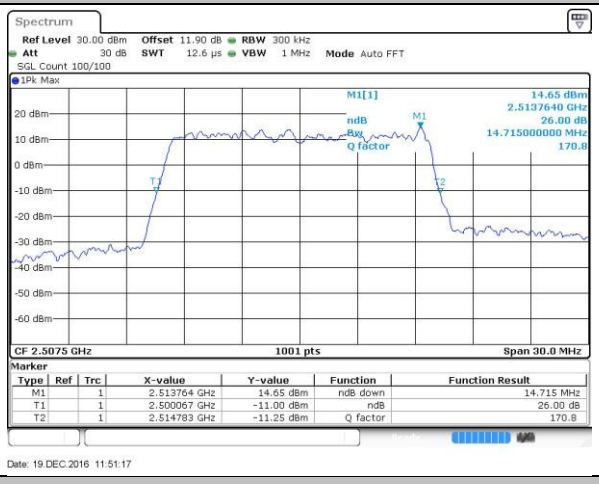


Highest Channel / 10MHz / 16QAM

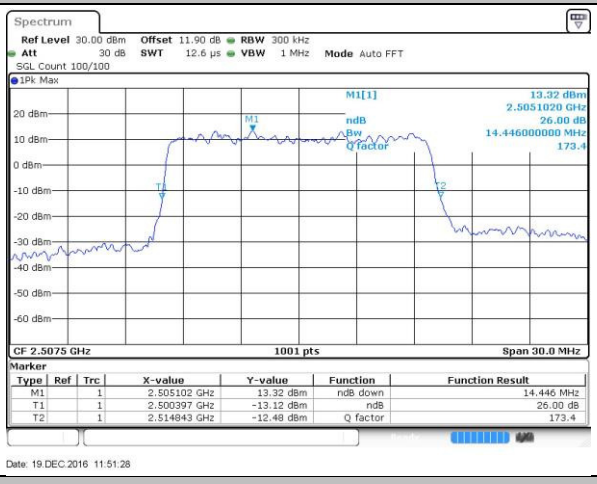


LTE Band 7

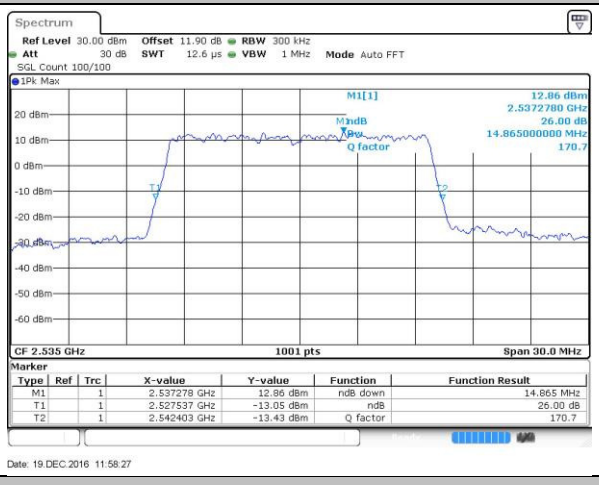
Lowest Channel / 15MHz / QPSK



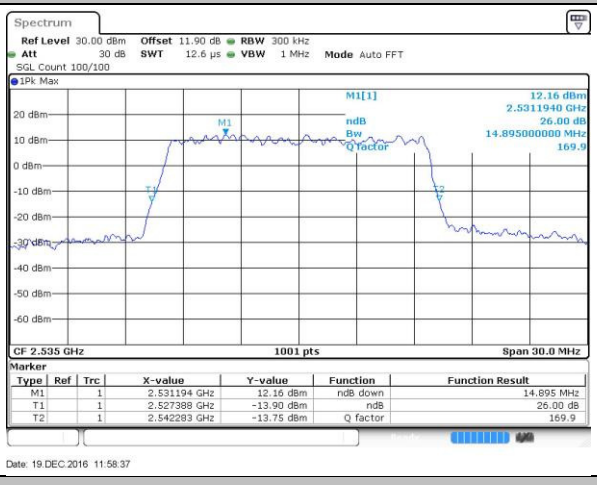
Lowest Channel / 15MHz / 16QAM



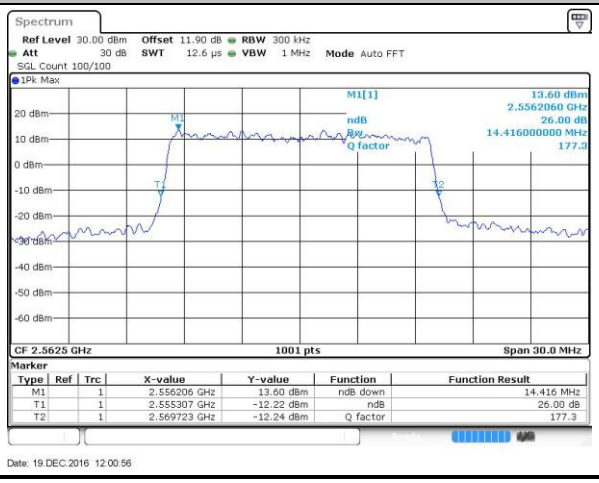
Middle Channel / 15MHz / QPSK



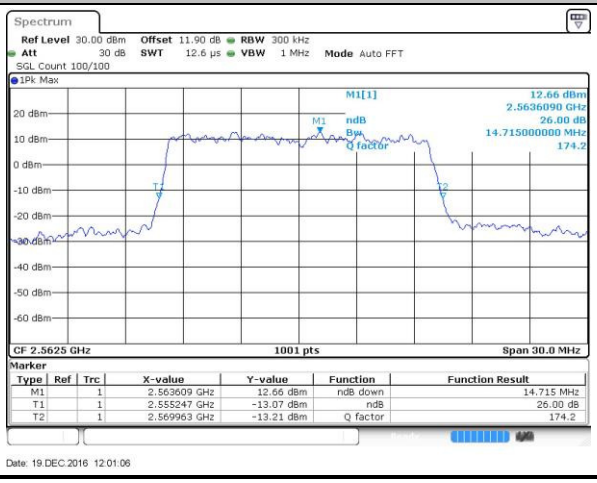
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

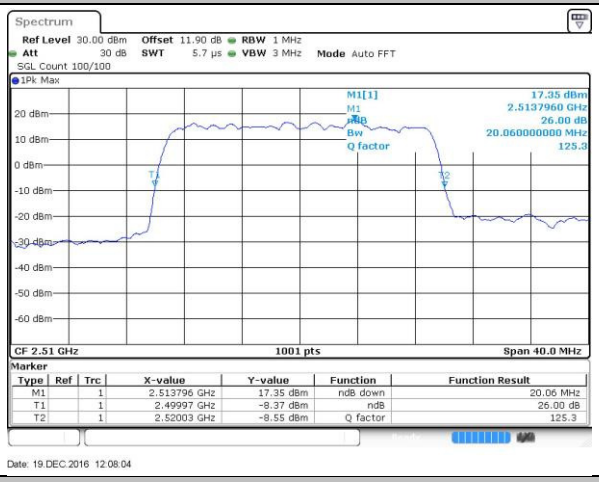


Highest Channel / 15MHz / 16QAM

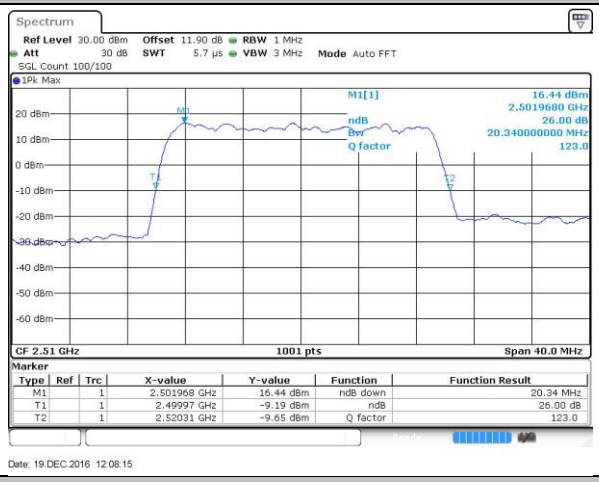


LTE Band 7

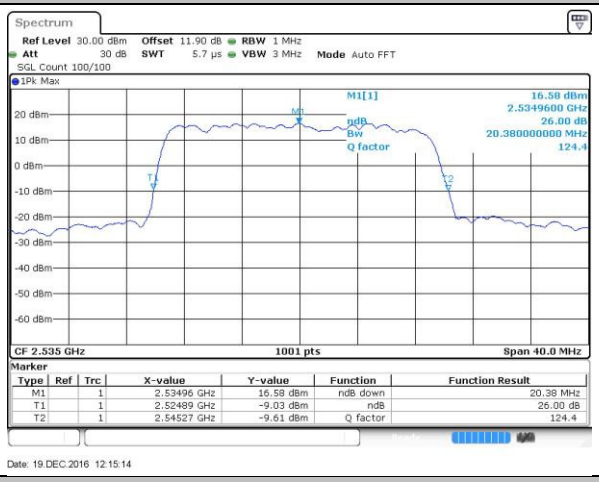
Lowest Channel / 20MHz / QPSK



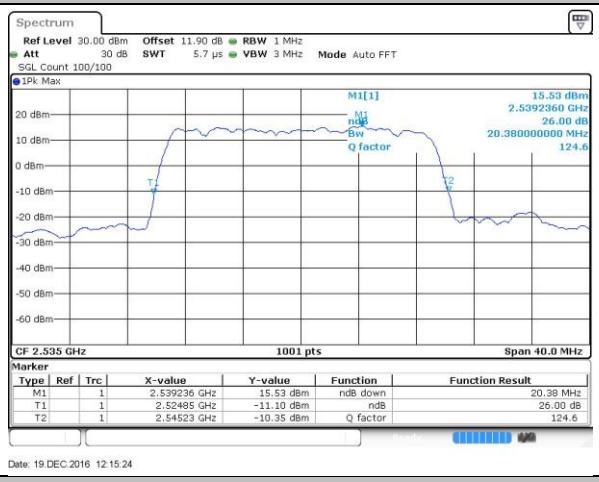
Lowest Channel / 20MHz / 16QAM



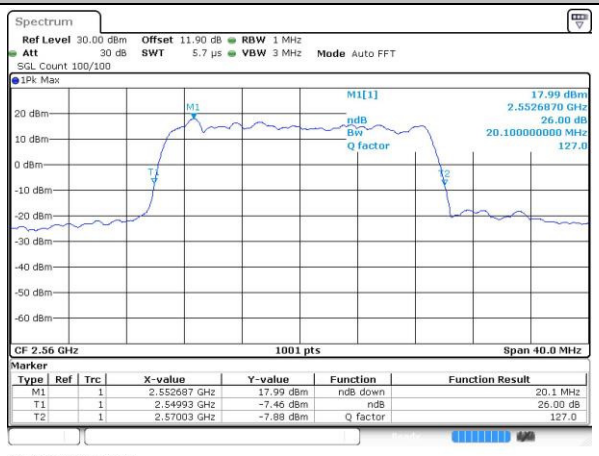
Middle Channel / 20MHz / QPSK



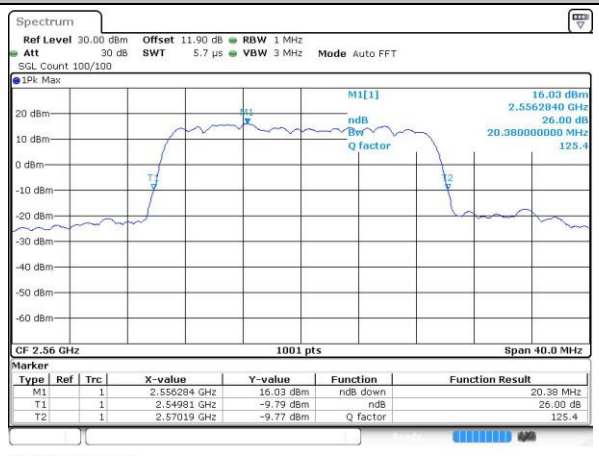
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

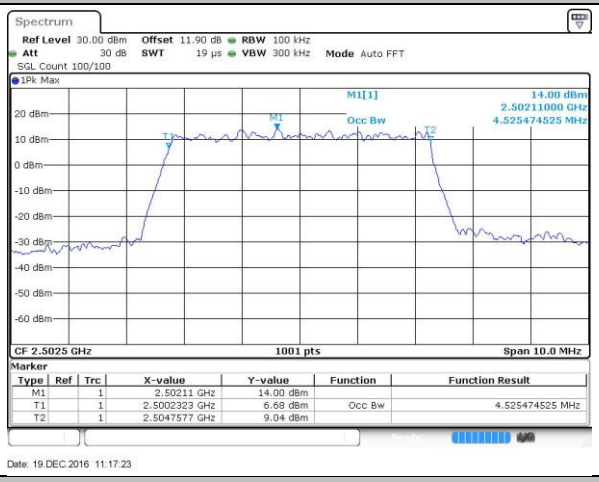


Occupied Bandwidth

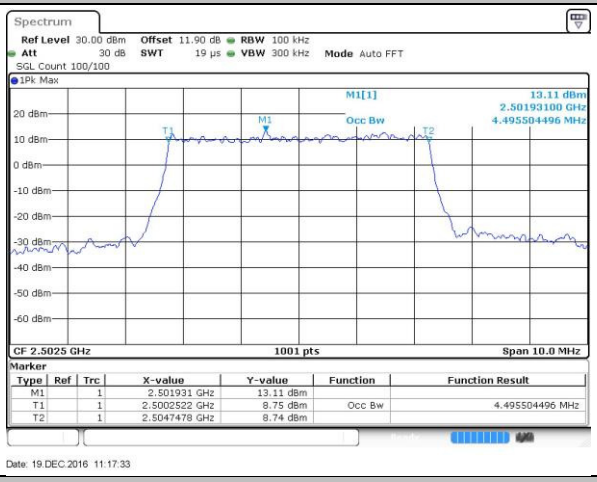
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.53	4.5	9.05	8.99	13.49	13.43	18.18	18.46
Middle CH	-	-	-	-	4.5	4.5	9.07	9.11	13.4	13.43	18.26	18.38
Highest CH	-	-	-	-	4.5	4.48	9.11	8.95	13.4	13.49	18.38	18.22

LTE Band 7

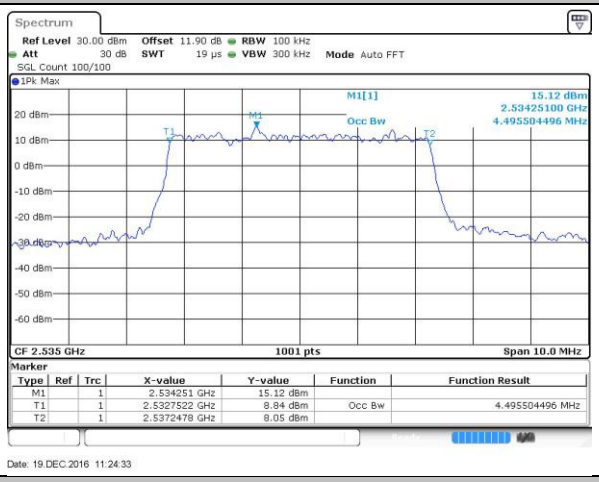
Lowest Channel / 5MHz / QPSK



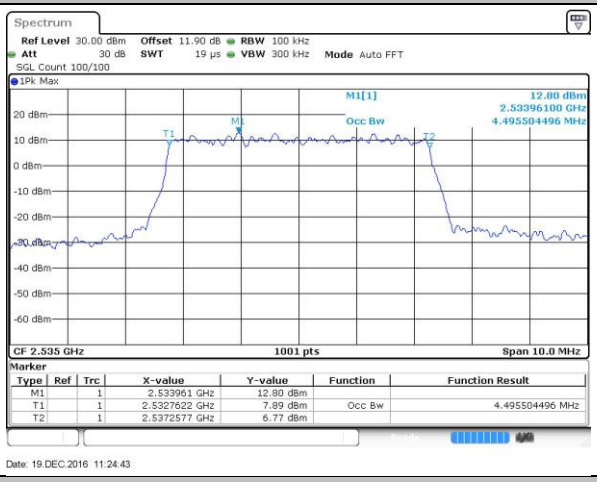
Lowest Channel / 5MHz / 16QAM



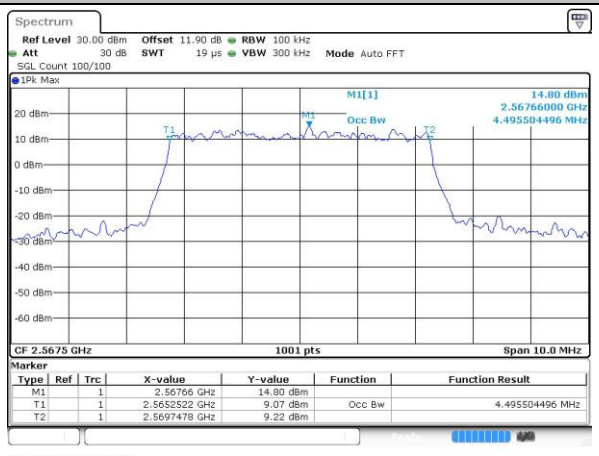
Middle Channel / 5MHz / QPSK



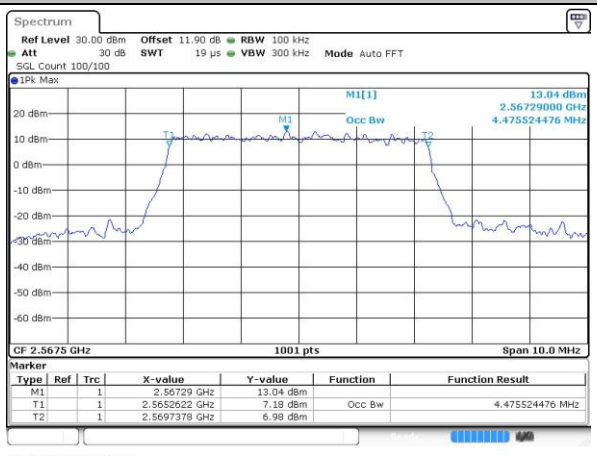
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

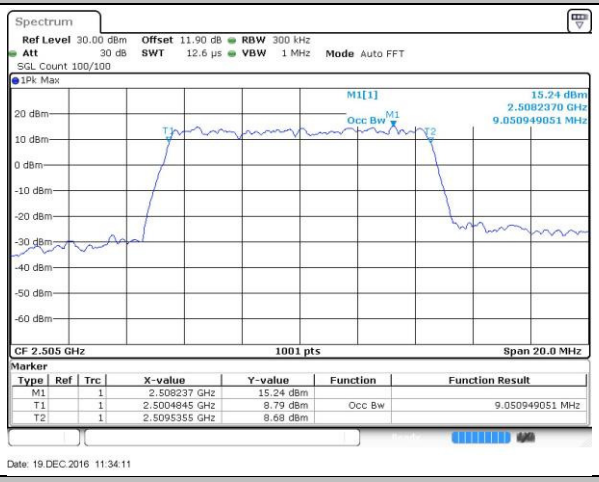


Highest Channel / 5MHz / 16QAM

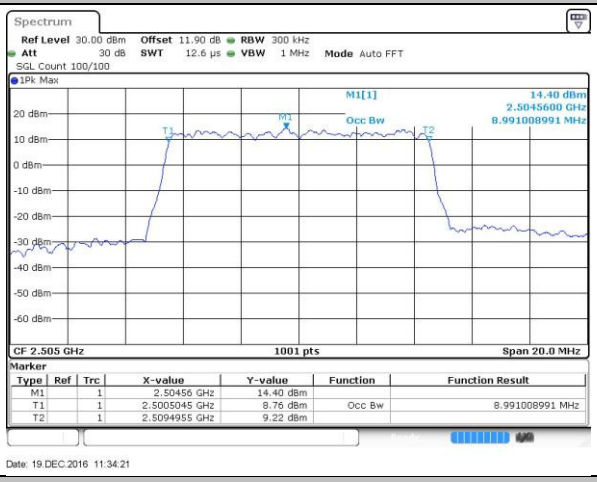


LTE Band 7

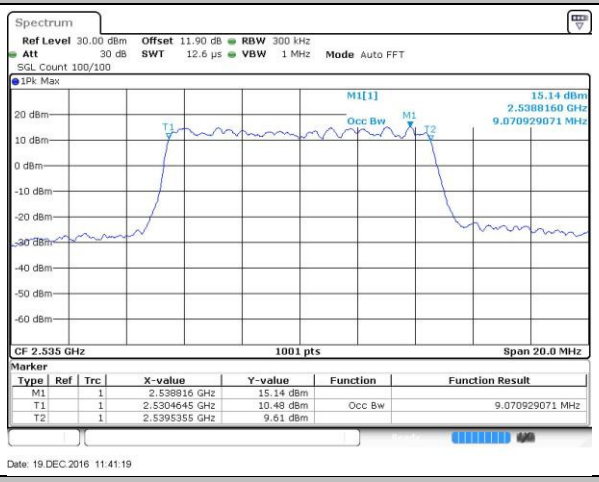
Lowest Channel / 10MHz / QPSK



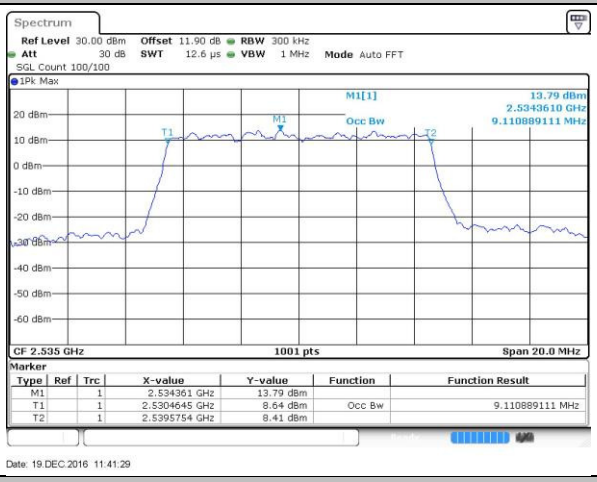
Lowest Channel / 10MHz / 16QAM



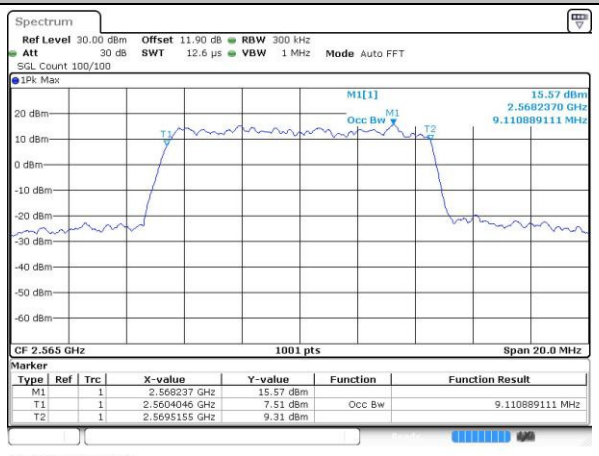
Middle Channel / 10MHz / QPSK



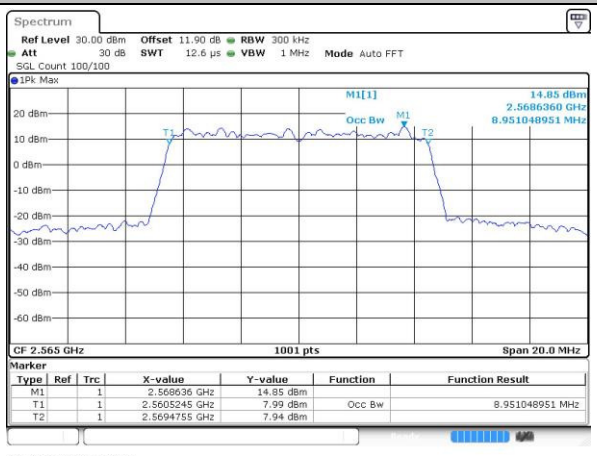
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

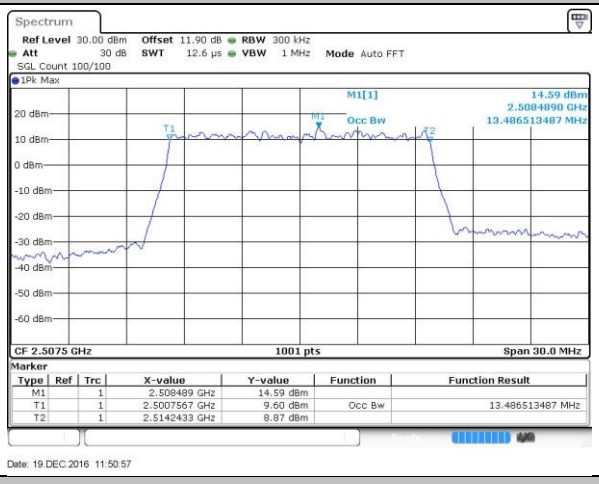


Highest Channel / 10MHz / 16QAM

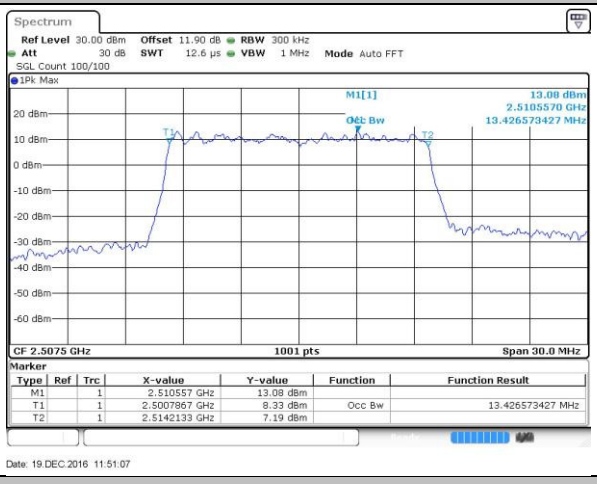


LTE Band 7

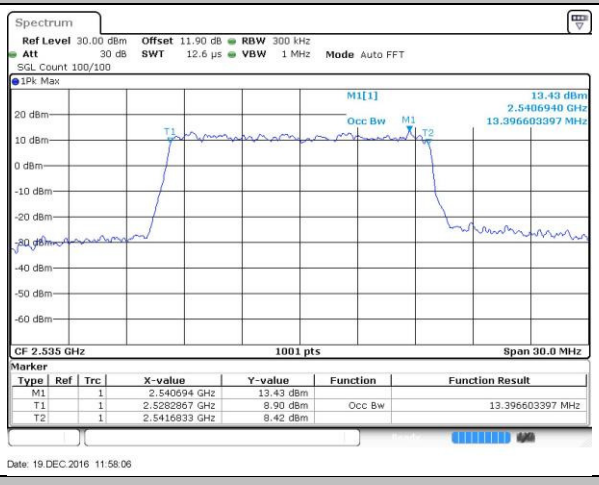
Lowest Channel / 15MHz / QPSK



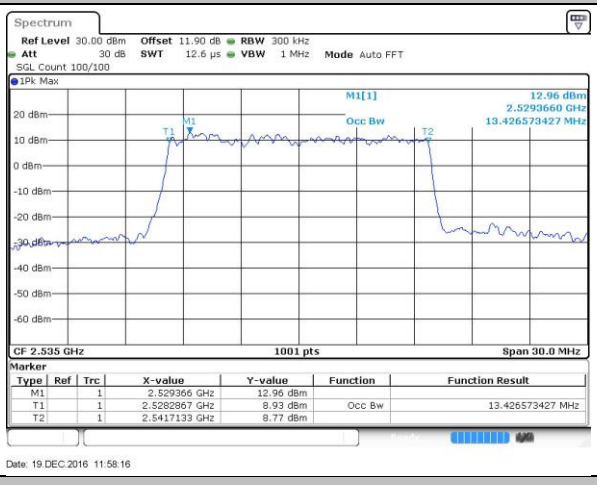
Lowest Channel / 15MHz / 16QAM



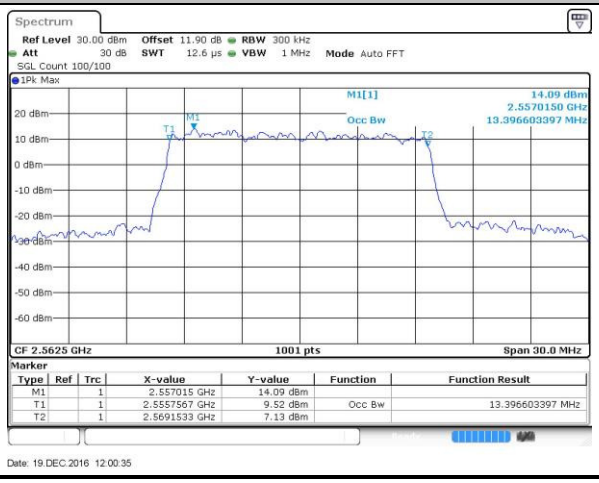
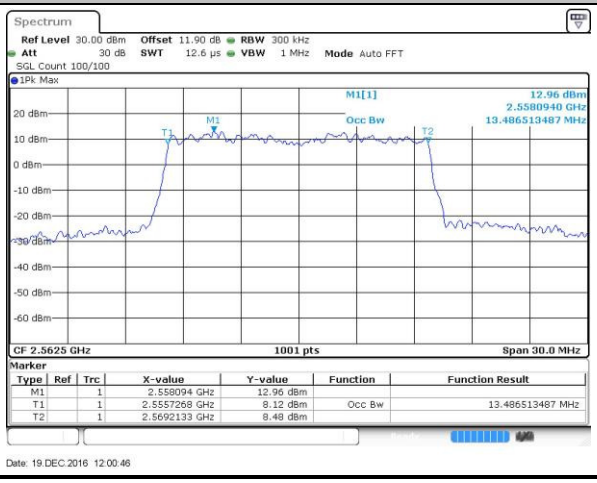
Middle Channel / 15MHz / QPSK



Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK



Highest Channel / 15MHz / 16QAM