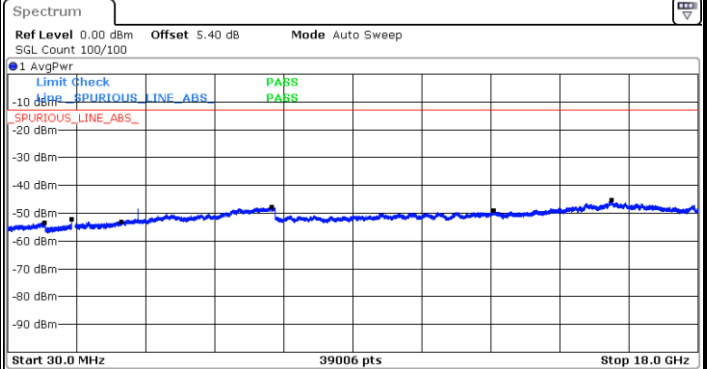
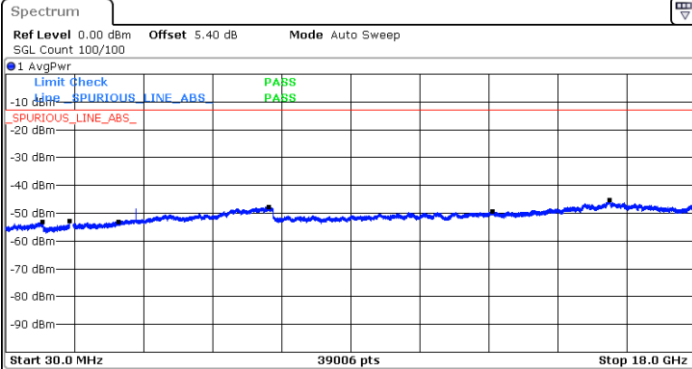




LTE Band 66 / 15MHz

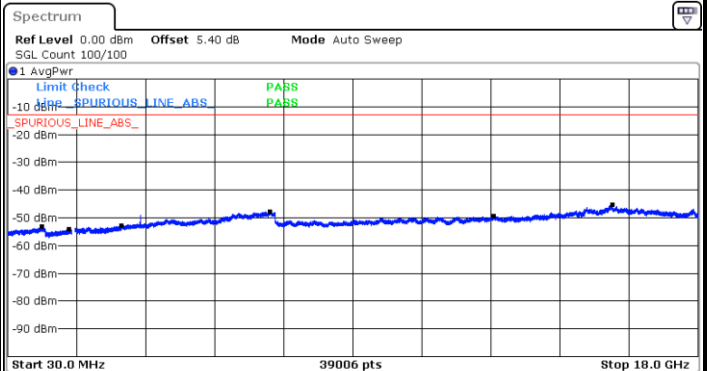
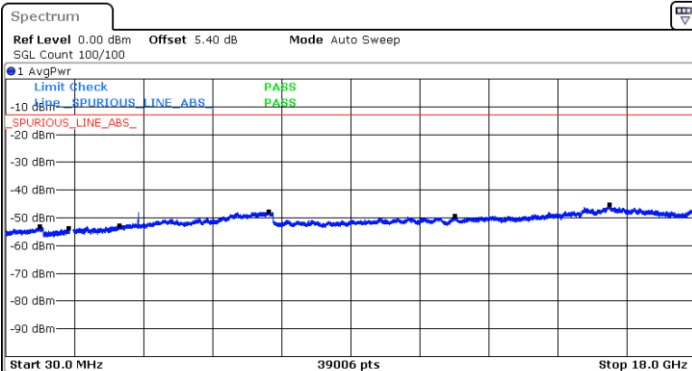
Lowest Channel / QPSK

Lowest Channel / 16QAM



Middle Channel / QPSK

Middle Channel / 16QAM

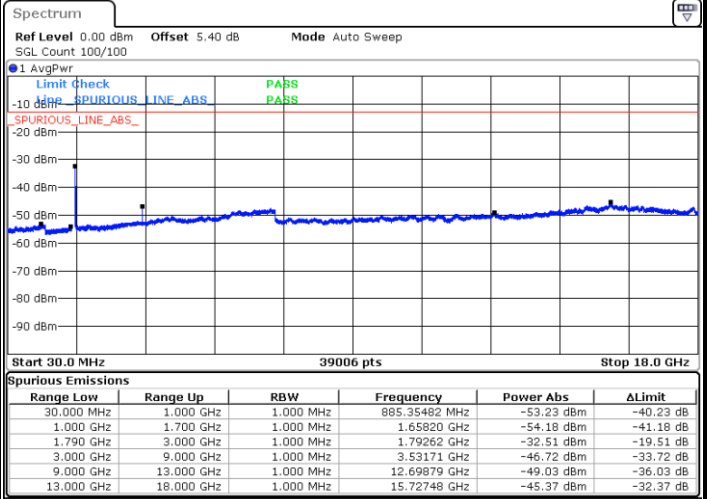
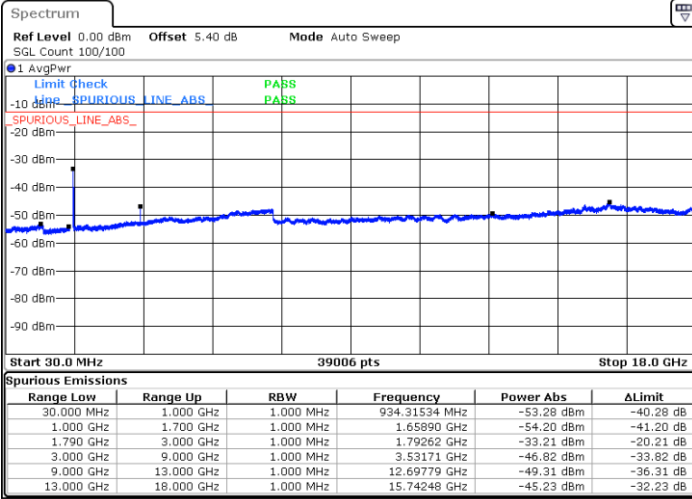




LTE Band 66 / 15MHz

Highest Channel / QPSK

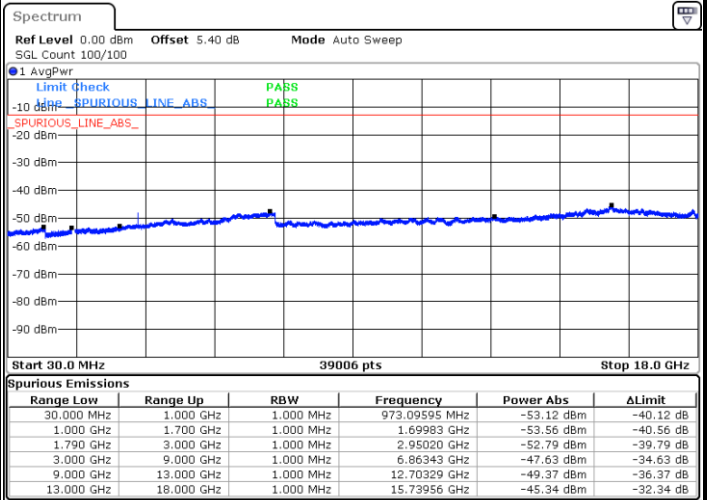
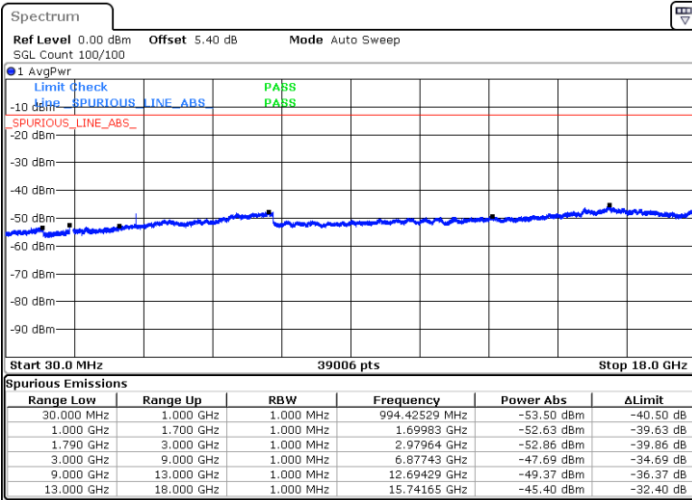
Highest Channel / 16QAM



LTE Band 66 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

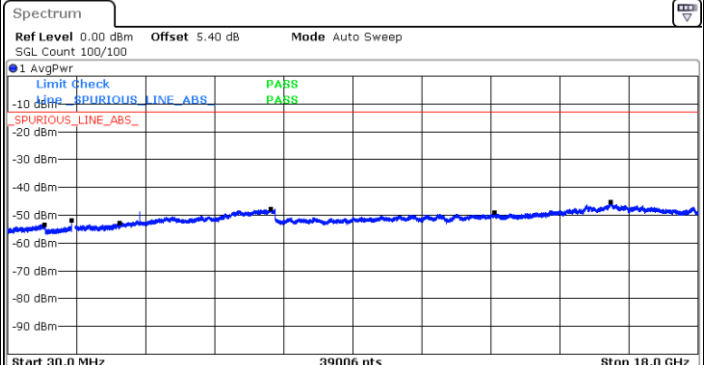
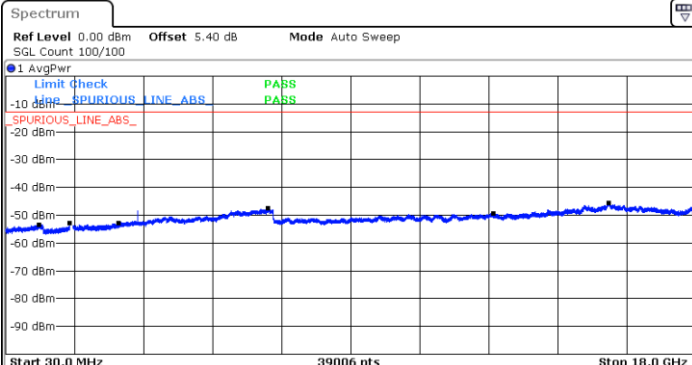




LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

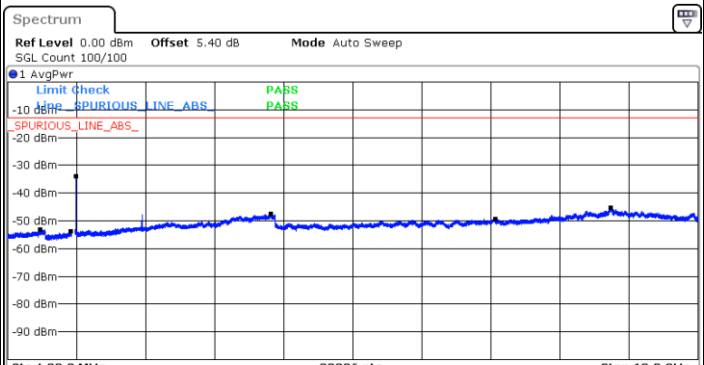
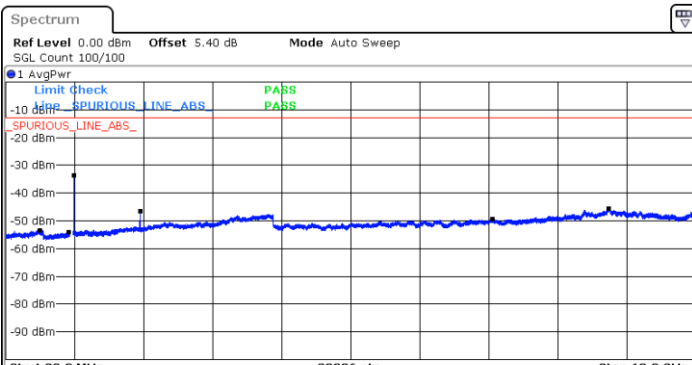


Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.32134 MHz	-53.33 dBm	-40.33 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-52.90 dBm	-39.90 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.96916 GHz	-52.94 dBm	-39.94 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85643 GHz	-47.64 dBm	-34.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71879 GHz	-49.46 dBm	-36.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73248 GHz	-45.51 dBm	-32.51 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-53.48 dBm	-40.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-51.89 dBm	-38.89 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.93730 GHz	-52.84 dBm	-39.84 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88693 GHz	-47.71 dBm	-34.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-49.20 dBm	-36.20 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73123 GHz	-45.41 dBm	-32.41 dB

Highest Channel / QPSK

Highest Channel / 16QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-53.36 dBm	-40.36 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67289 GHz	-54.04 dBm	-41.04 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79706 GHz	-33.56 dBm	-20.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.52221 GHz	-46.46 dBm	-33.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-49.23 dBm	-36.23 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72873 GHz	-45.49 dBm	-32.49 dB

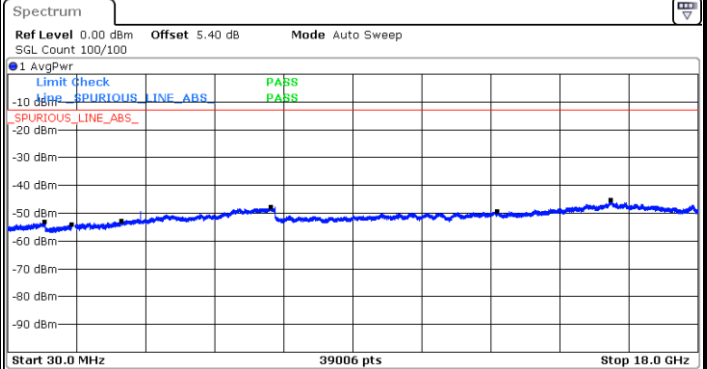
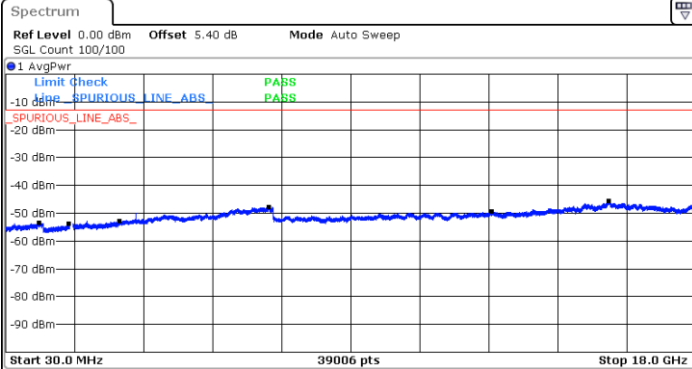
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-53.12 dBm	-40.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66309 GHz	-53.89 dBm	-40.89 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79706 GHz	-33.82 dBm	-20.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87743 GHz	-47.60 dBm	-34.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71629 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72540 GHz	-45.35 dBm	-32.35 dB



LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM

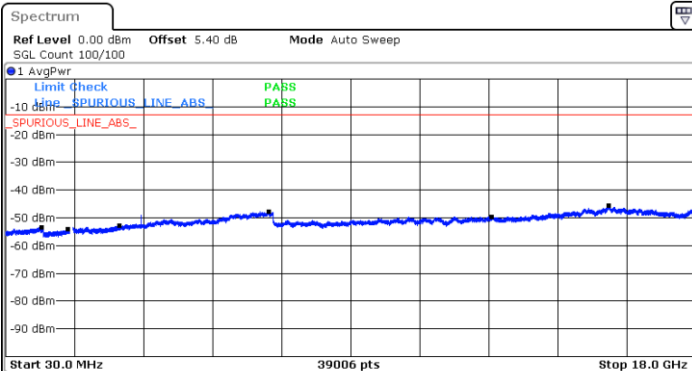
Middle Channel / 64QAM



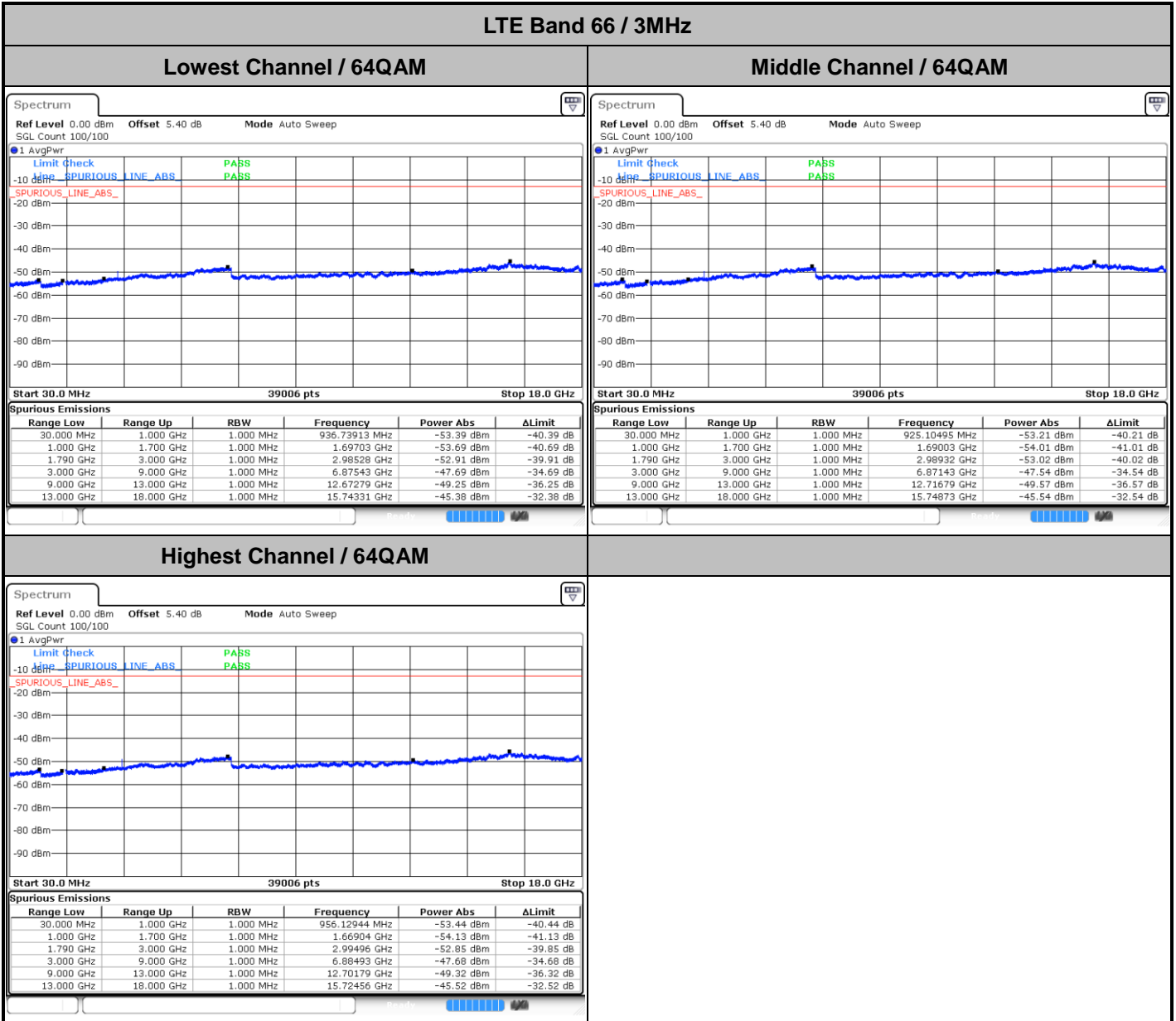
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.77861 MHz	-53.35 dBm	-40.35 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66554 GHz	-53.89 dBm	-40.89 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99173 GHz	-52.82 dBm	-39.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87093 GHz	-47.87 dBm	-34.87 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67579 GHz	-49.33 dBm	-36.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72873 GHz	-45.54 dBm	-32.54 dB

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69563 GHz	-54.11 dBm	-41.11 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.98206 GHz	-52.80 dBm	-39.80 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88693 GHz	-47.80 dBm	-34.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.77878 GHz	-49.49 dBm	-36.49 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73623 GHz	-45.43 dBm	-32.43 dB

Highest Channel / 64QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-53.48 dBm	-40.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65260 GHz	-54.06 dBm	-41.06 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.99617 GHz	-52.99 dBm	-39.99 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87743 GHz	-47.72 dBm	-34.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68429 GHz	-49.56 dBm	-36.56 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73206 GHz	-45.65 dBm	-32.65 dB

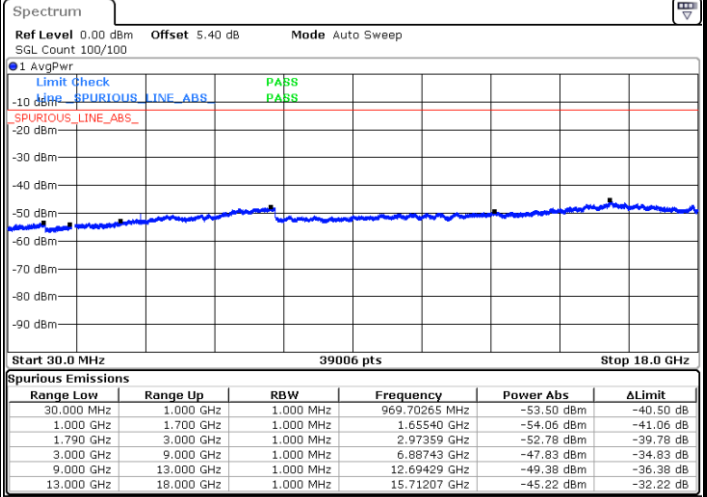
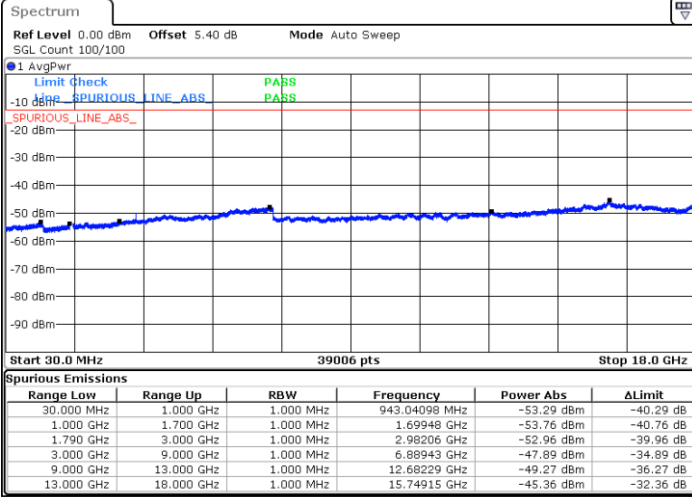




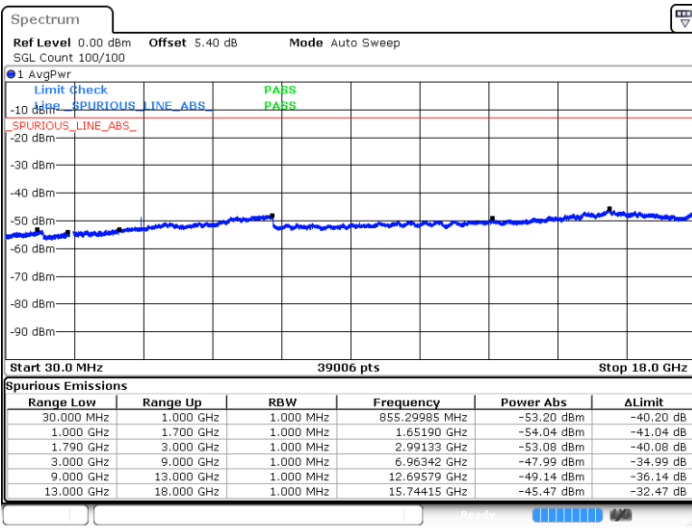
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



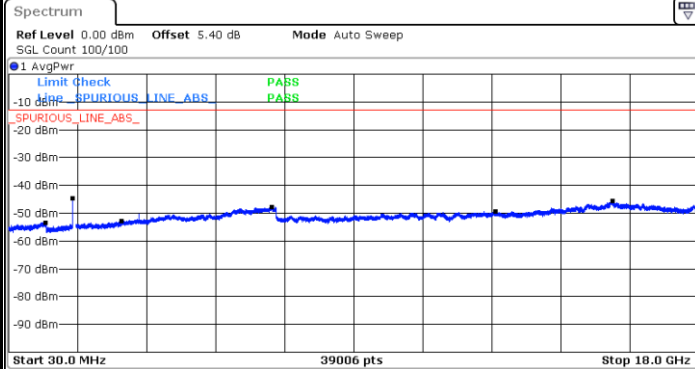
Highest Channel / 64QAM





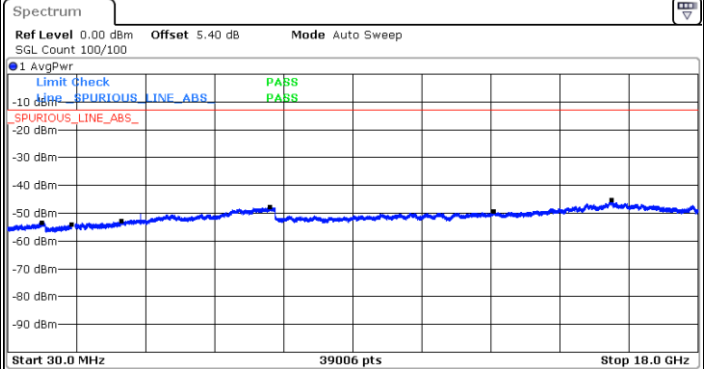
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



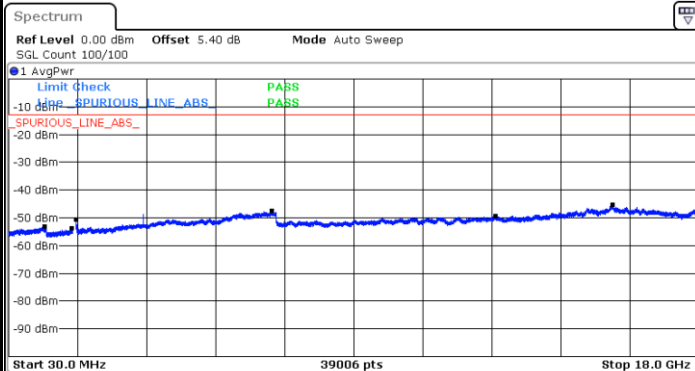
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-53.42 dBm	-40.42 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-44.74 dBm	-31.74 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.96996 GHz	-52.91 dBm	-39.91 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88143 GHz	-47.77 dBm	-34.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74665 GHz	-45.53 dBm	-32.53 dB

Middle Channel / 64QAM



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	922.68116 MHz	-53.47 dBm	-40.47 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68513 GHz	-54.11 dBm	-41.11 dB
1.790 GHz	3.000 GHz	1.000 MHz	2.98327 GHz	-52.93 dBm	-39.93 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85393 GHz	-47.71 dBm	-34.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67979 GHz	-49.30 dBm	-36.30 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74540 GHz	-45.38 dBm	-32.38 dB

Highest Channel / 64QAM



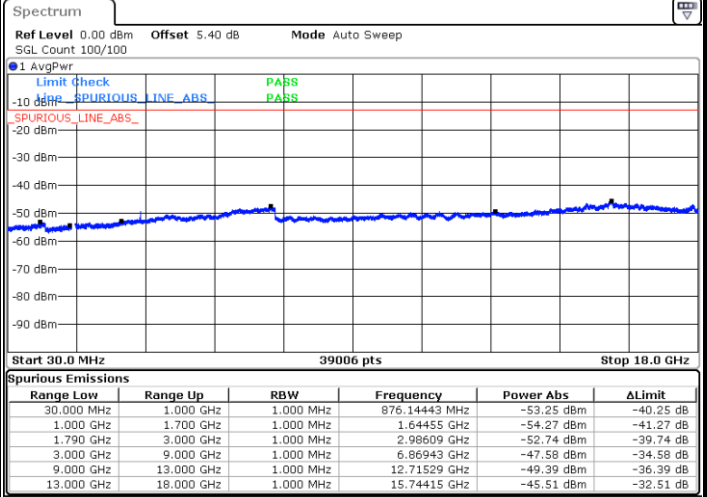
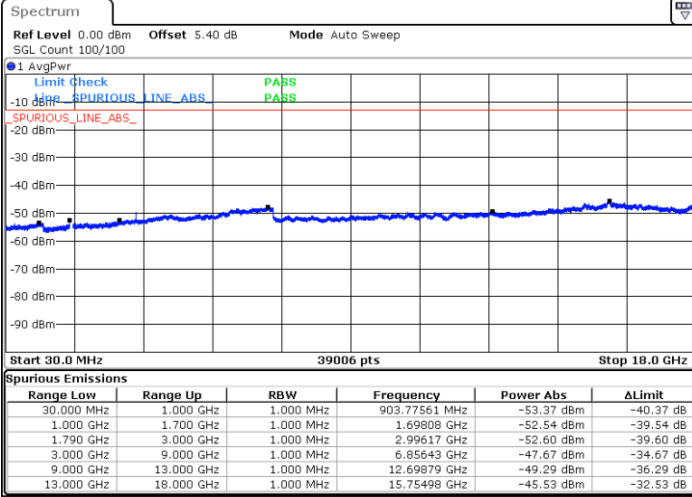
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66239 GHz	-53.93 dBm	-40.93 dB
1.790 GHz	3.000 GHz	1.000 MHz	1.79302 GHz	-50.69 dBm	-37.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88393 GHz	-47.63 dBm	-34.63 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70329 GHz	-49.48 dBm	-36.48 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75123 GHz	-45.38 dBm	-32.38 dB



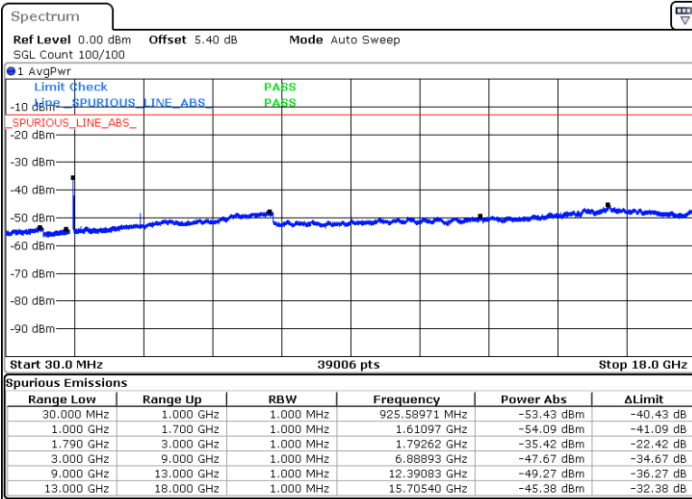
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM

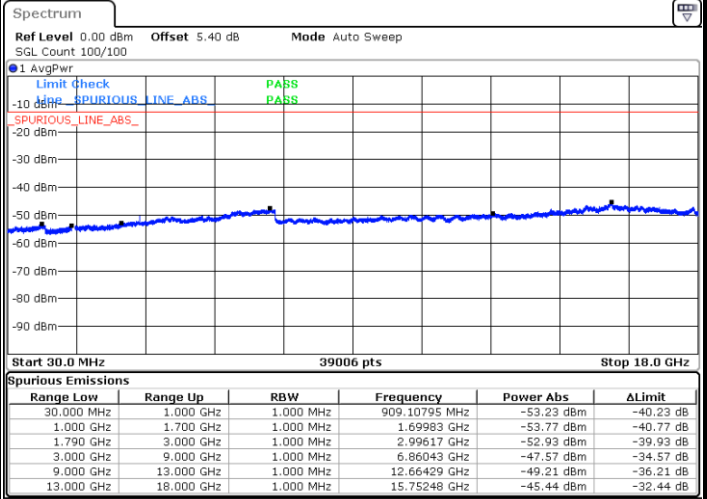
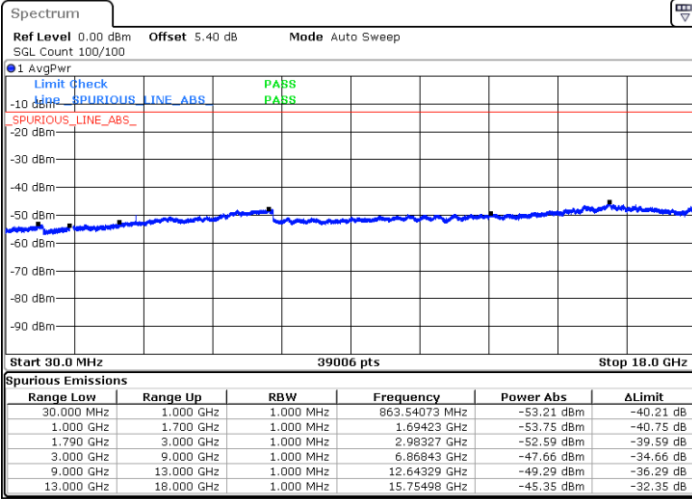




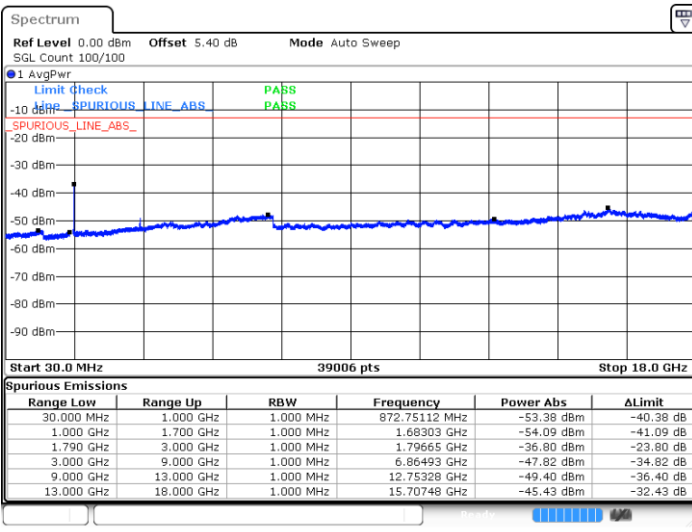
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM



Highest Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0049	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0059	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 66/ 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-58.91	-13	-45.91	-69.65	2.604	13.34	H
	5208.27	-53.59	-13	-40.59	-64.10	3.011	13.52	H
	6948	-49.53	-13	-36.53	-59.73	3.271	13.47	H
	3471	-58.78	-13	-45.78	-69.52	2.604	13.34	V
	5208.27	-53.46	-13	-40.46	-63.97	3.011	13.52	V
	6948	-48.95	-13	-35.95	-59.15	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



Appendix D. Reference Report

Please refer to Sporton report number FG011801B which is issued separately.