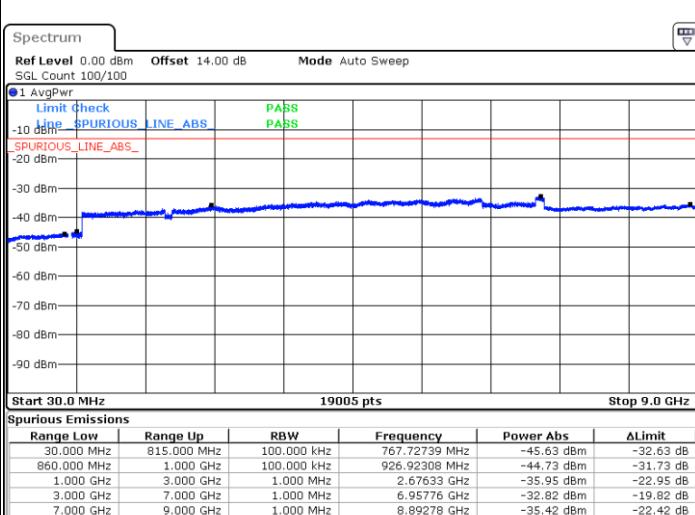
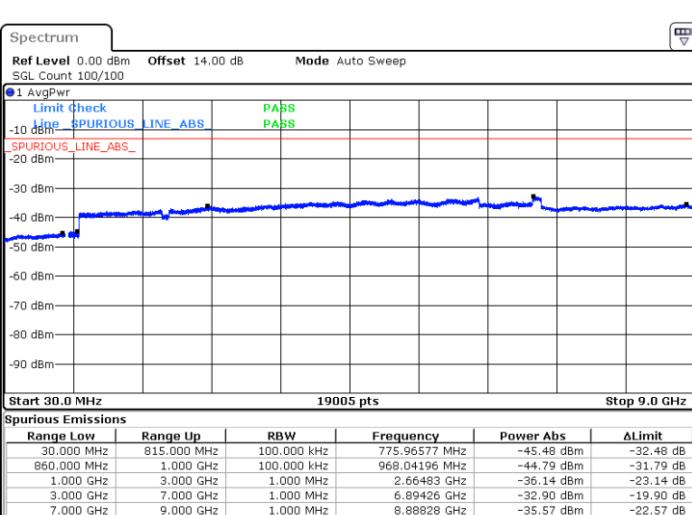




LTE Band 5 / 5MHz

Highest Channel / QPSK

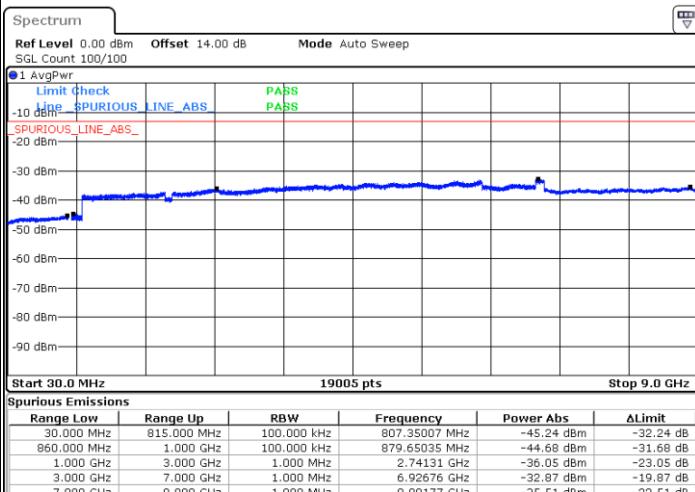
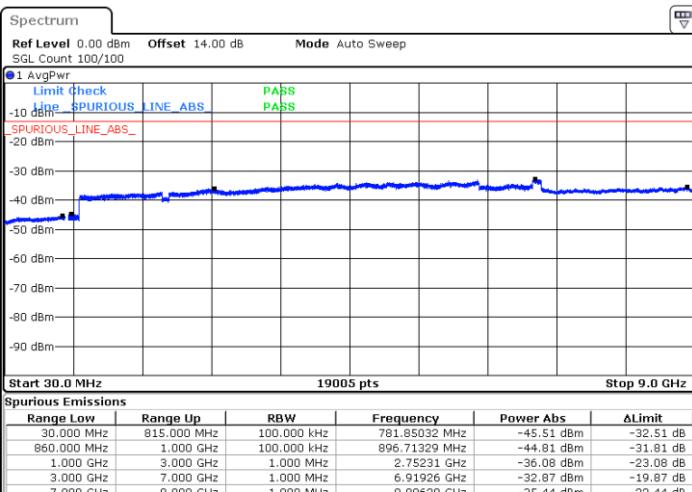
Highest Channel / 16QAM



LTE Band 5 / 10MHz

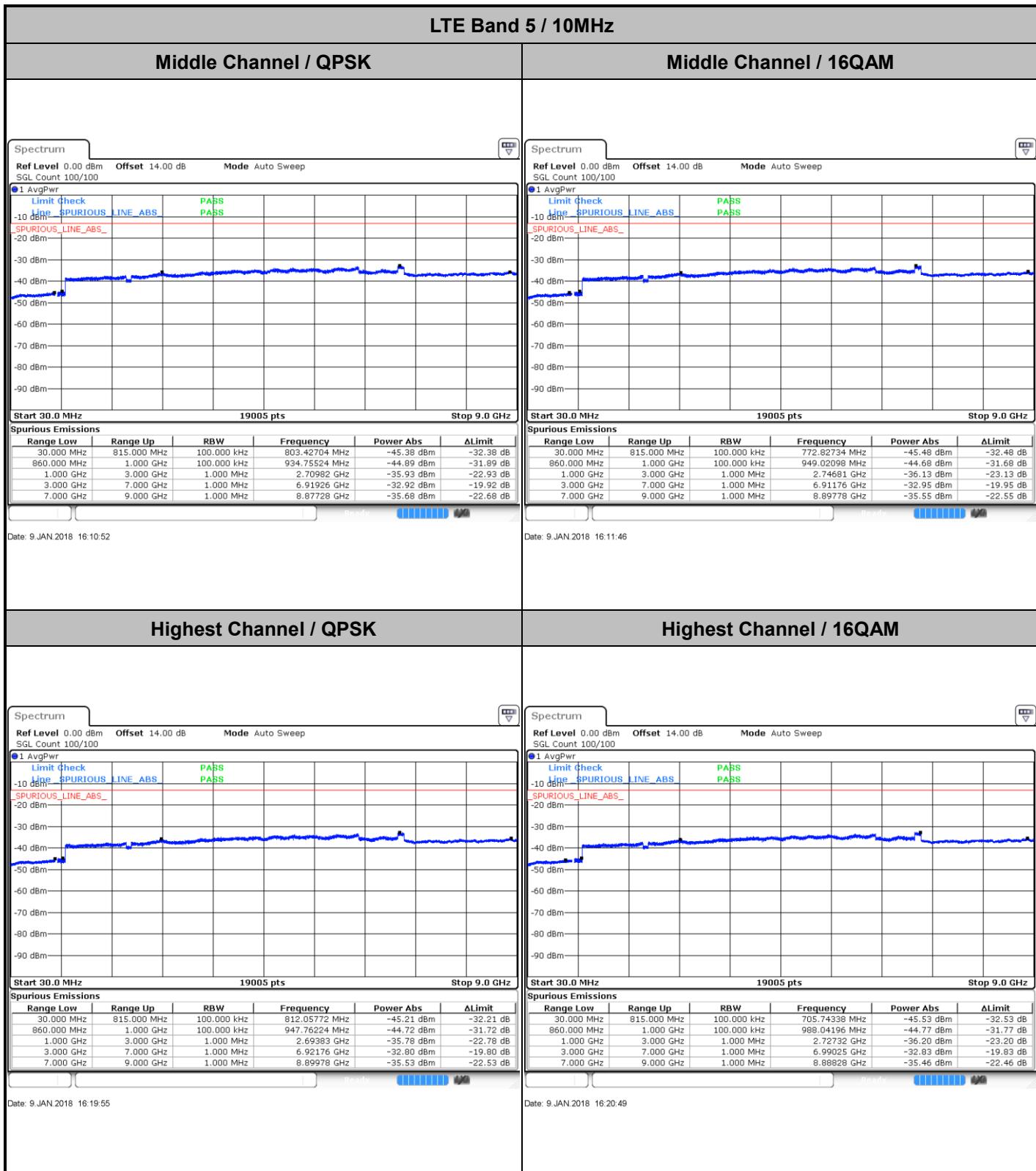
Lowest Channel / QPSK

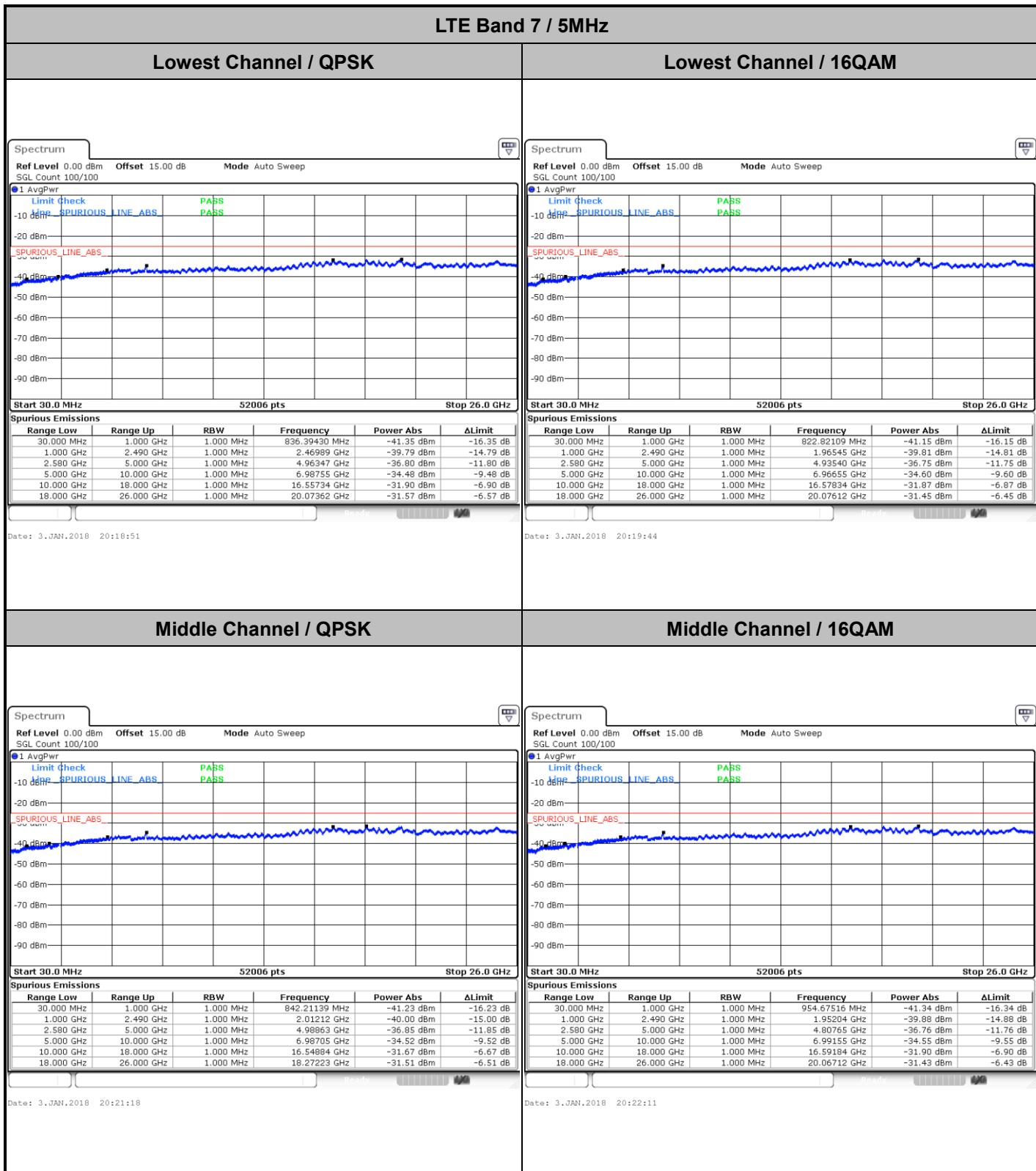
Lowest Channel / 16QAM



Date: 9.JAN.2018 16:08:24

Date: 9.JAN.2018 16:09:18



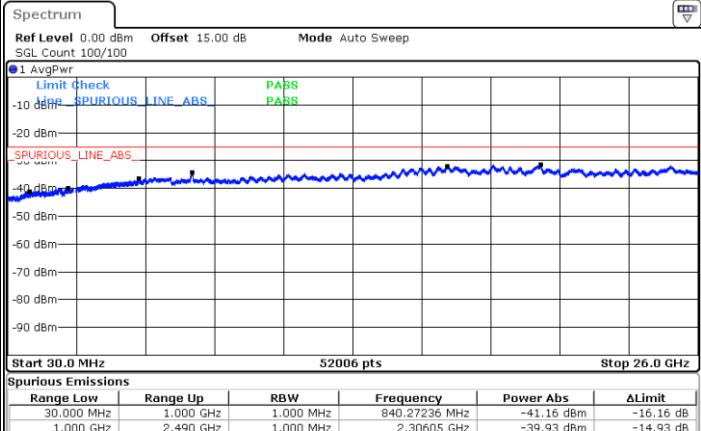
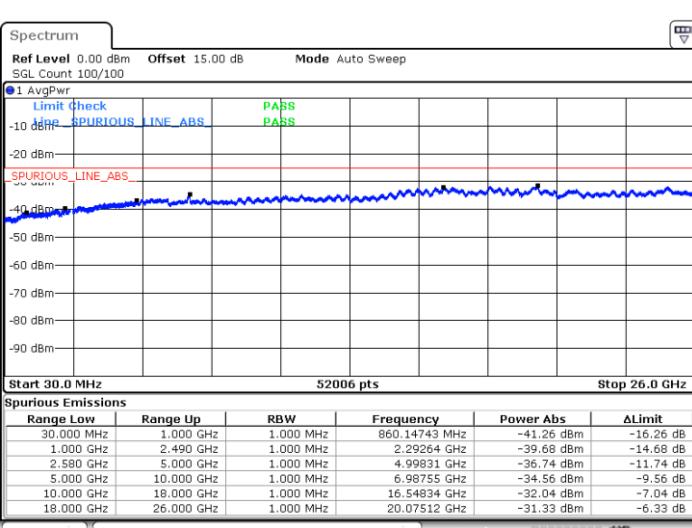




LTE Band 7 / 5MHz

Highest Channel / QPSK

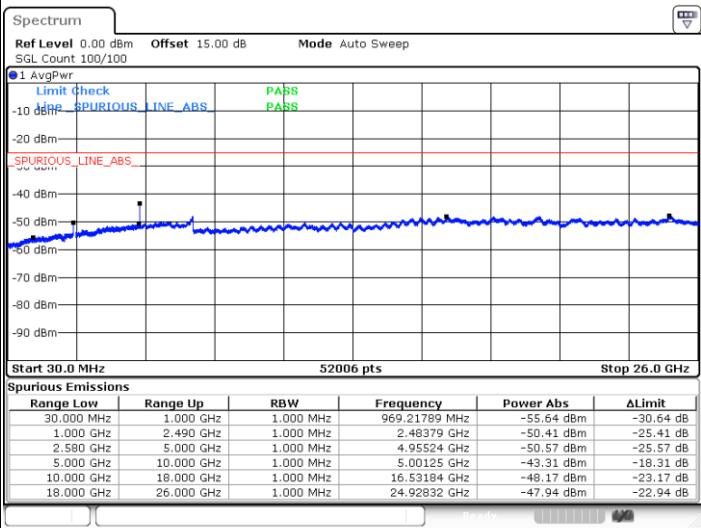
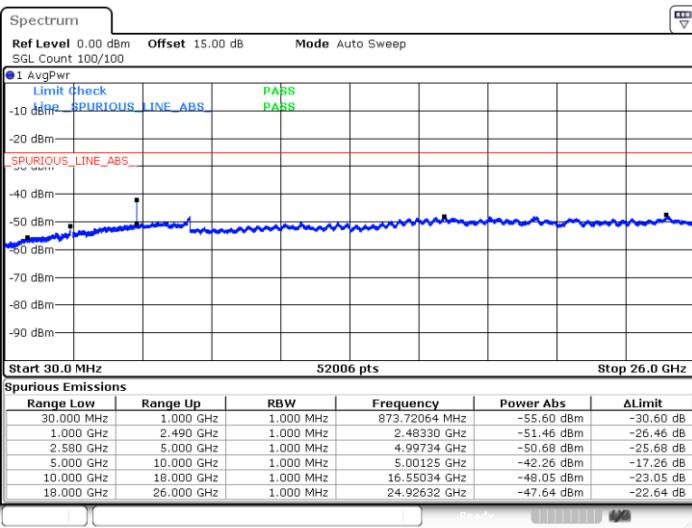
Highest Channel / 16QAM

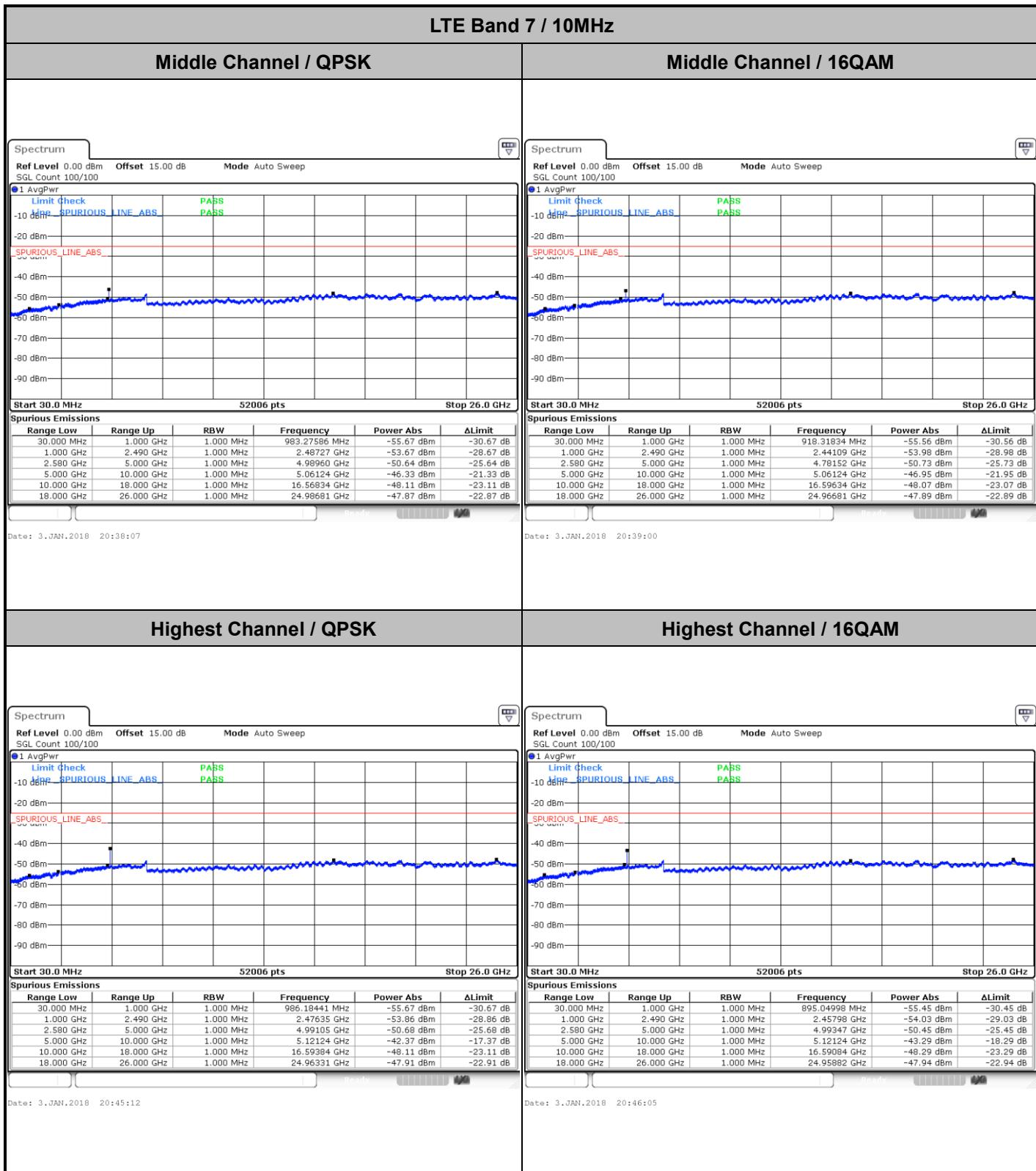


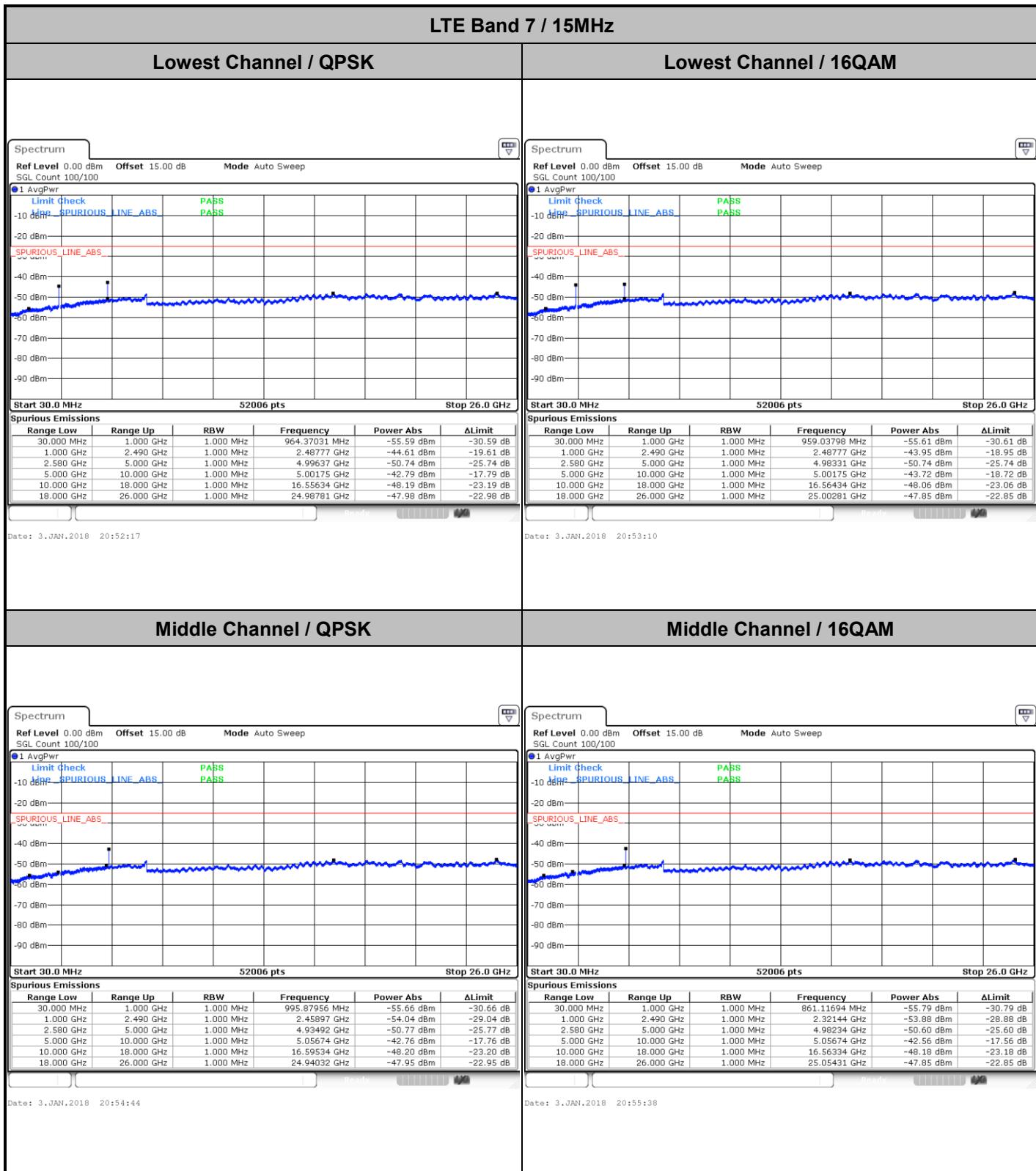
LTE Band 7 / 10MHz

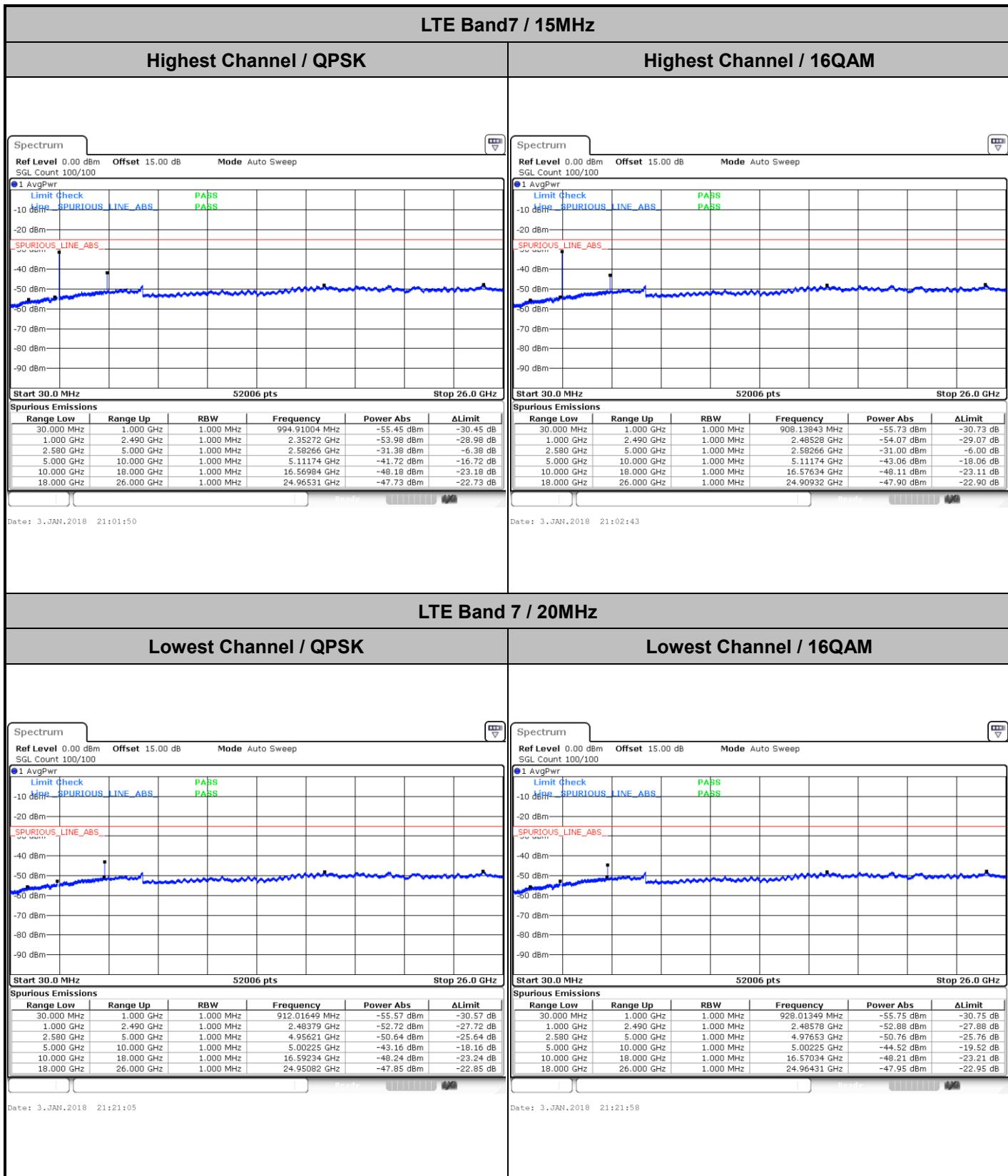
Lowest Channel / QPSK

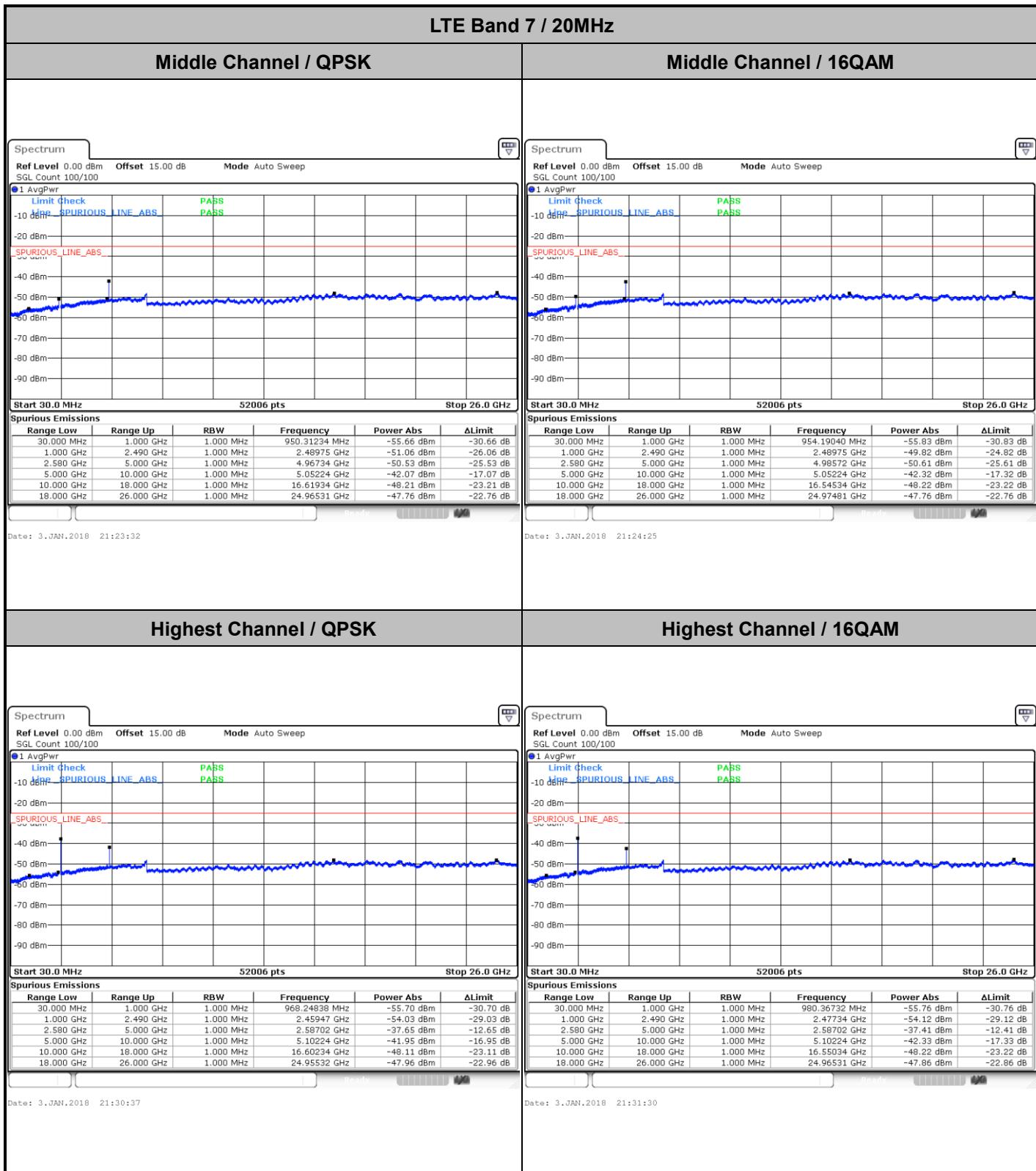
Lowest Channel / 16QAM

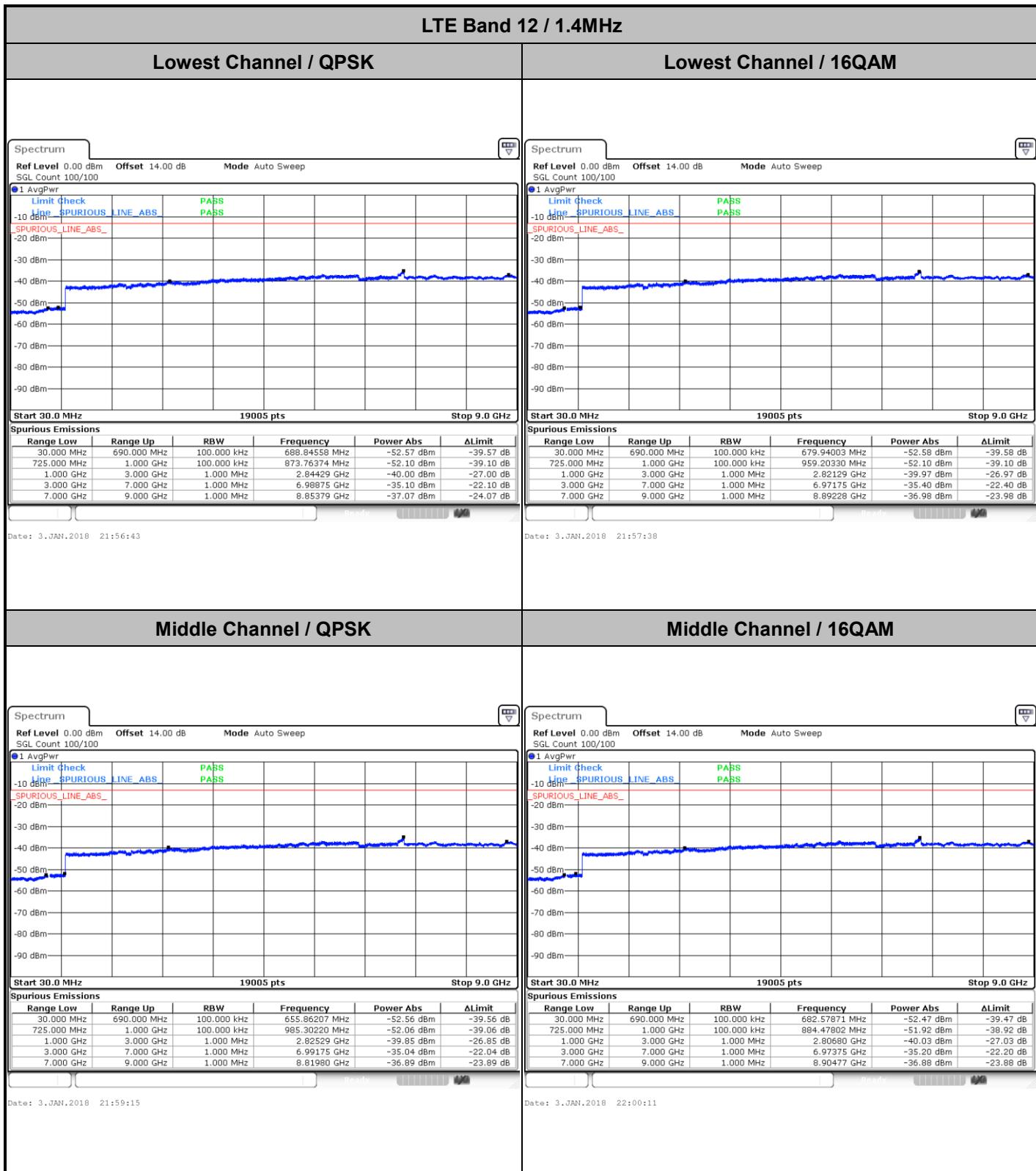


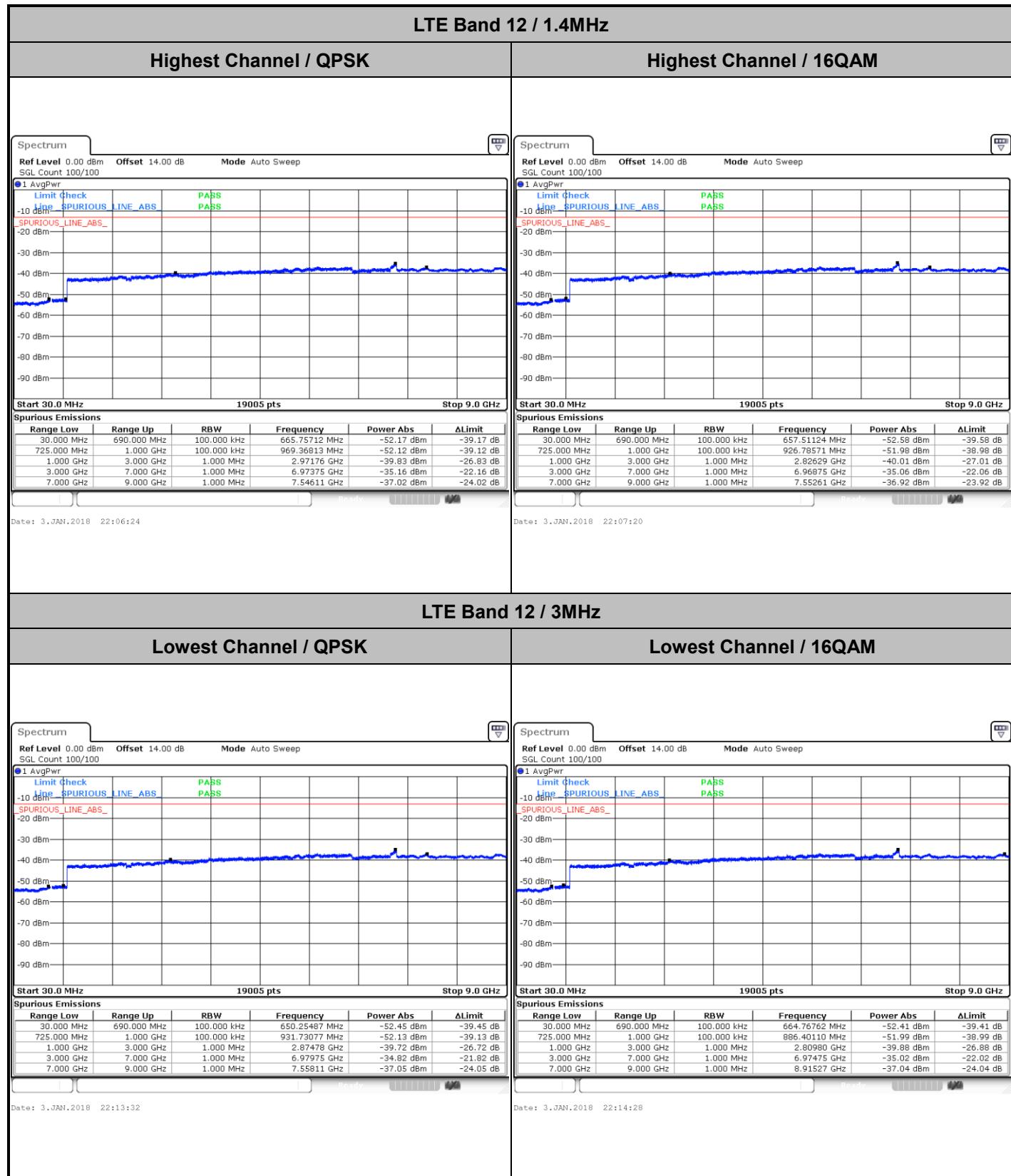


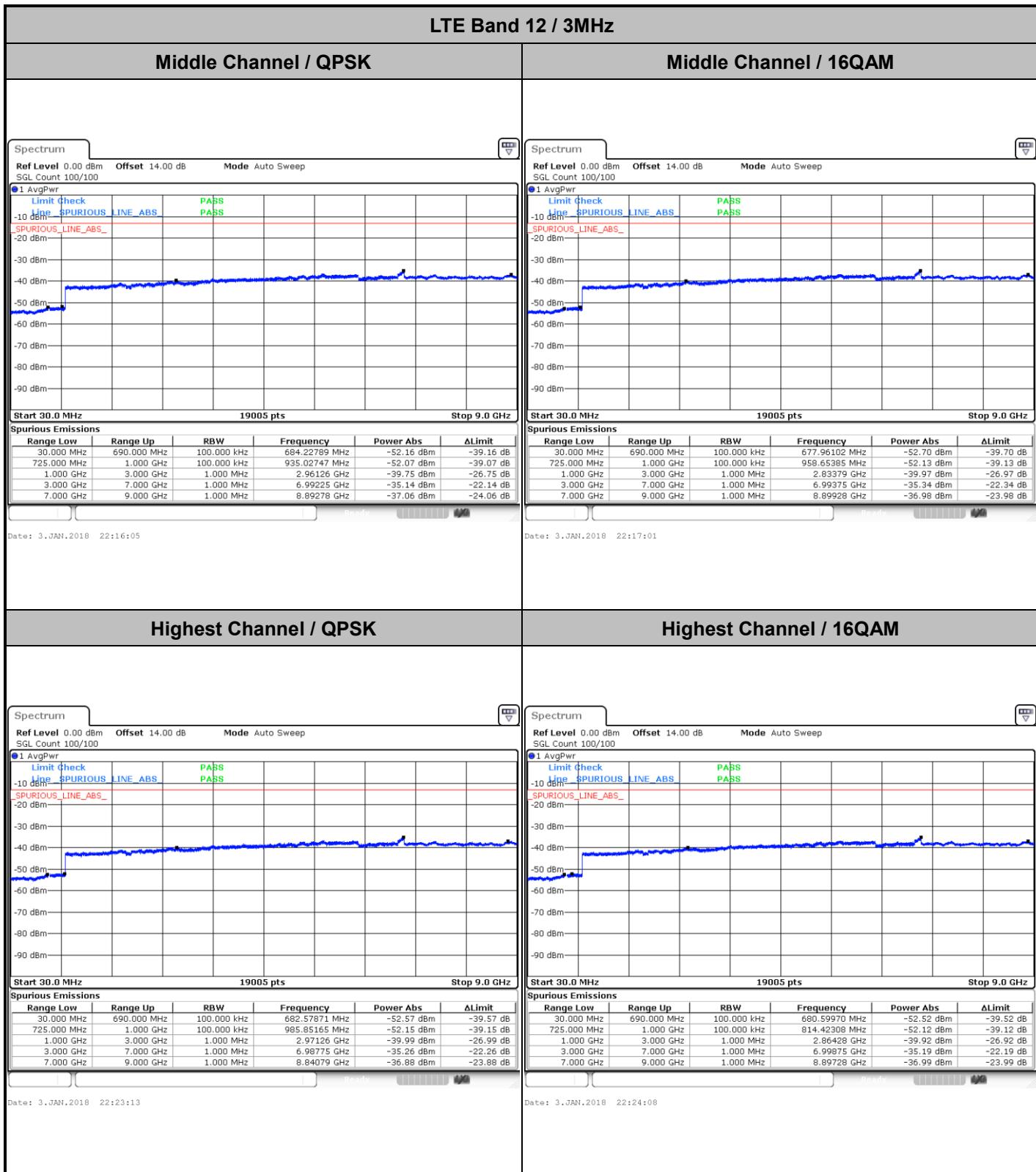


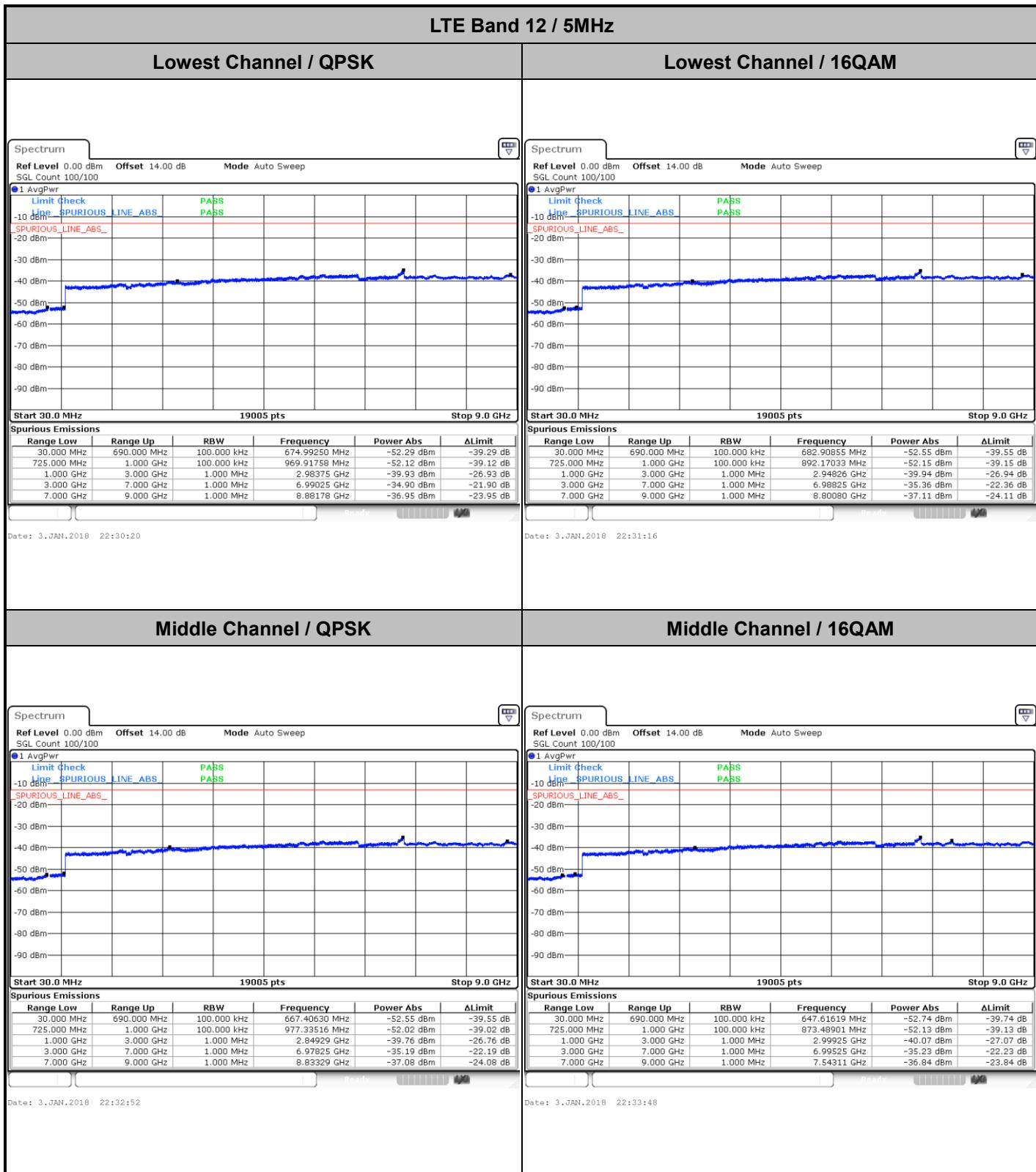


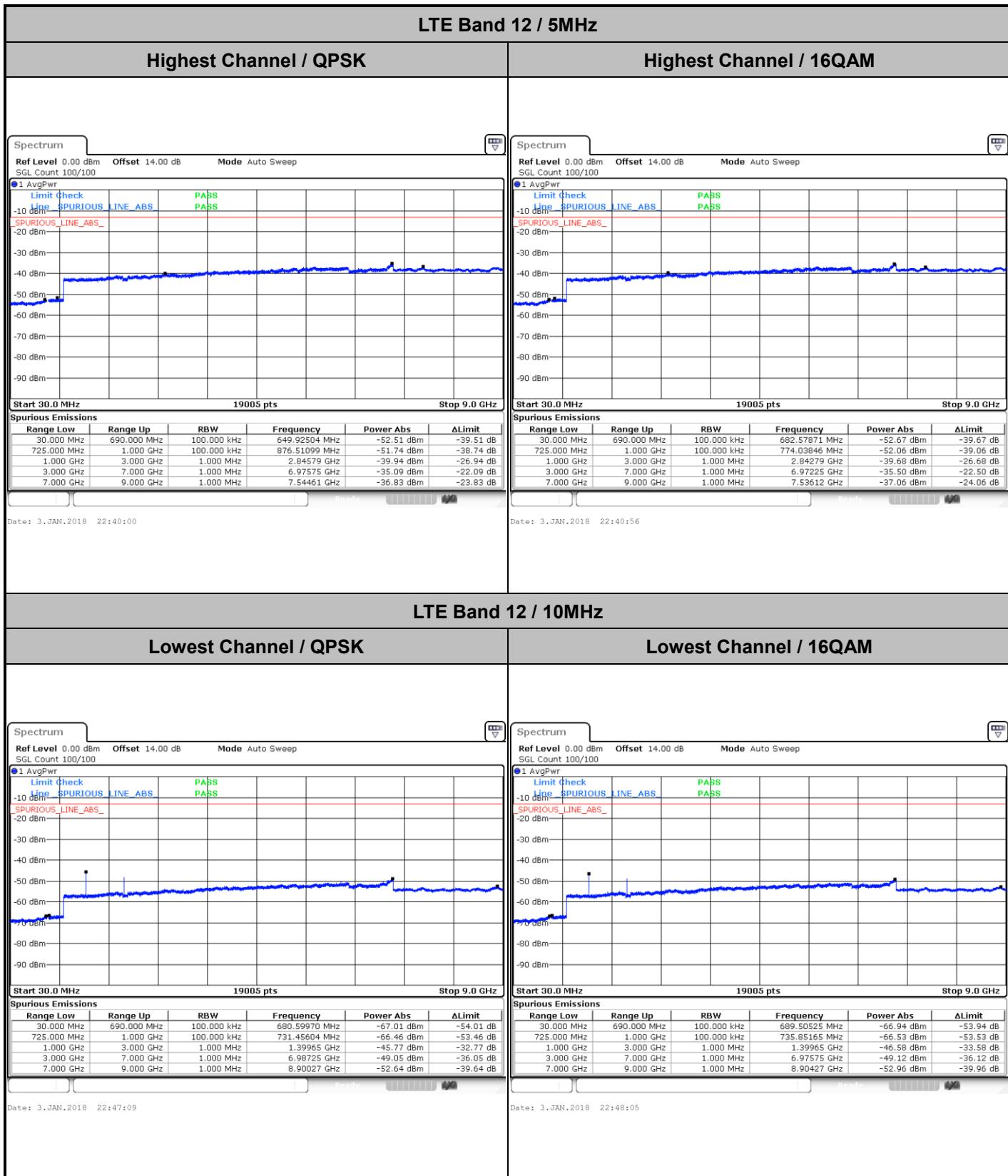


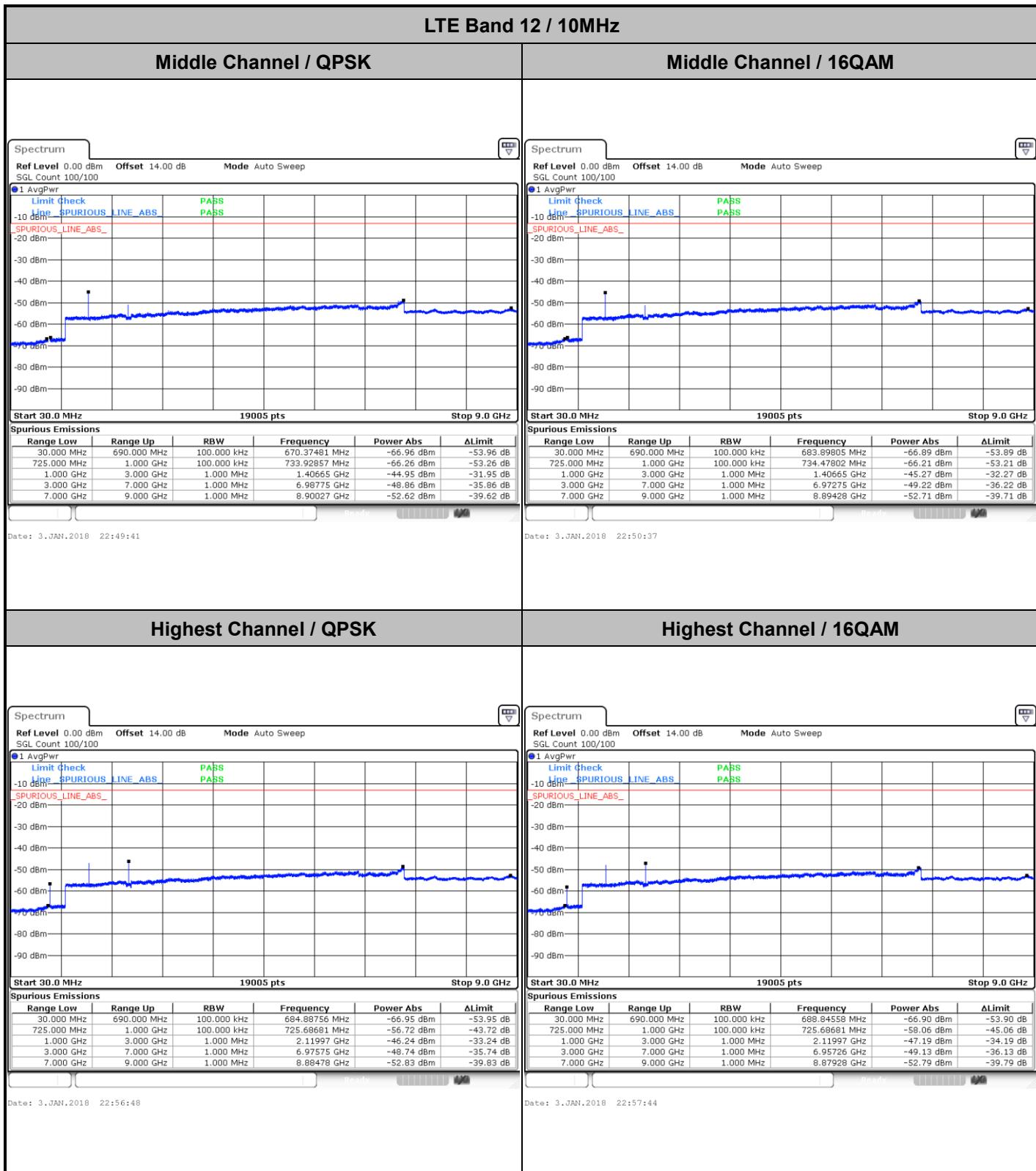


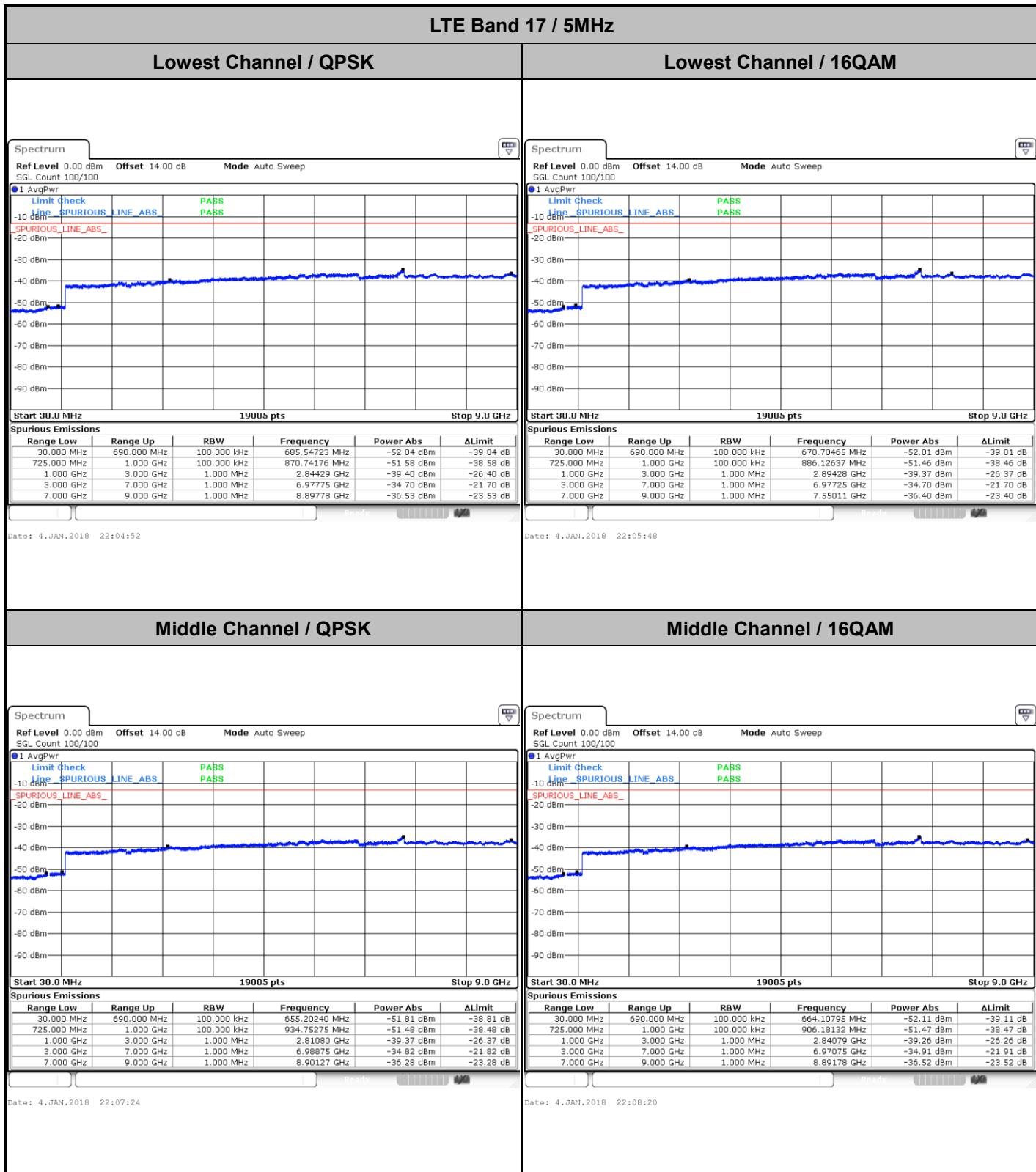










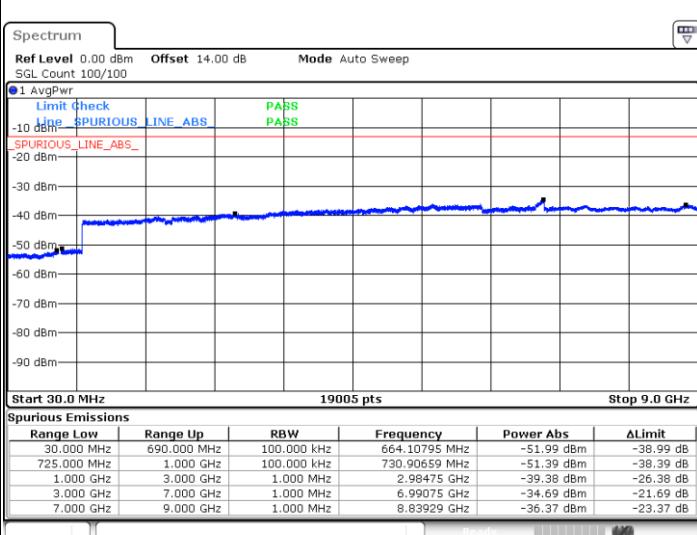
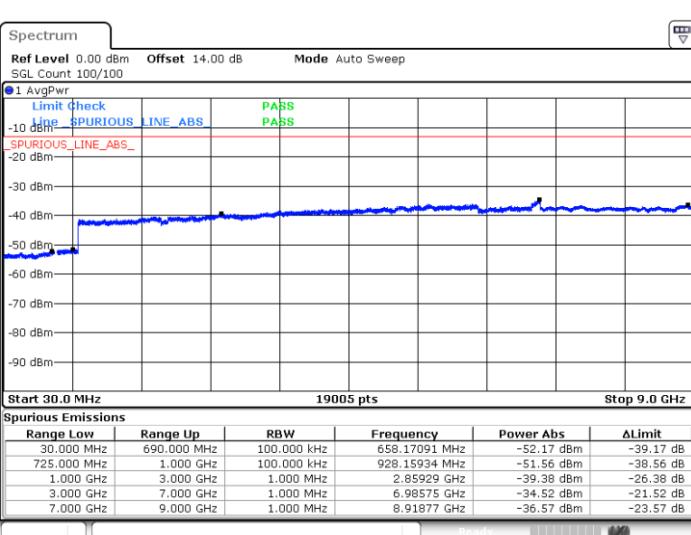




LTE Band 17 / 5MHz

Highest Channel / QPSK

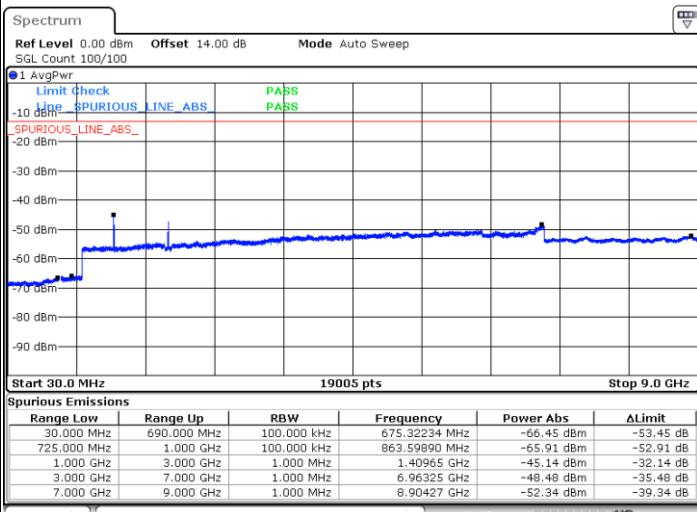
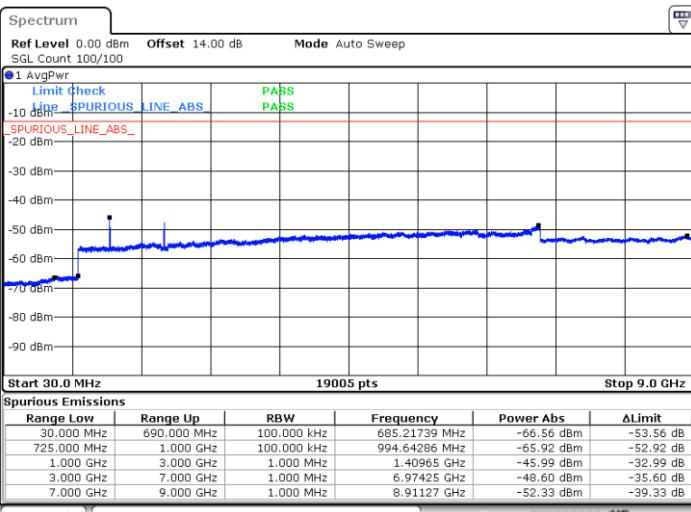
Highest Channel / 16QAM

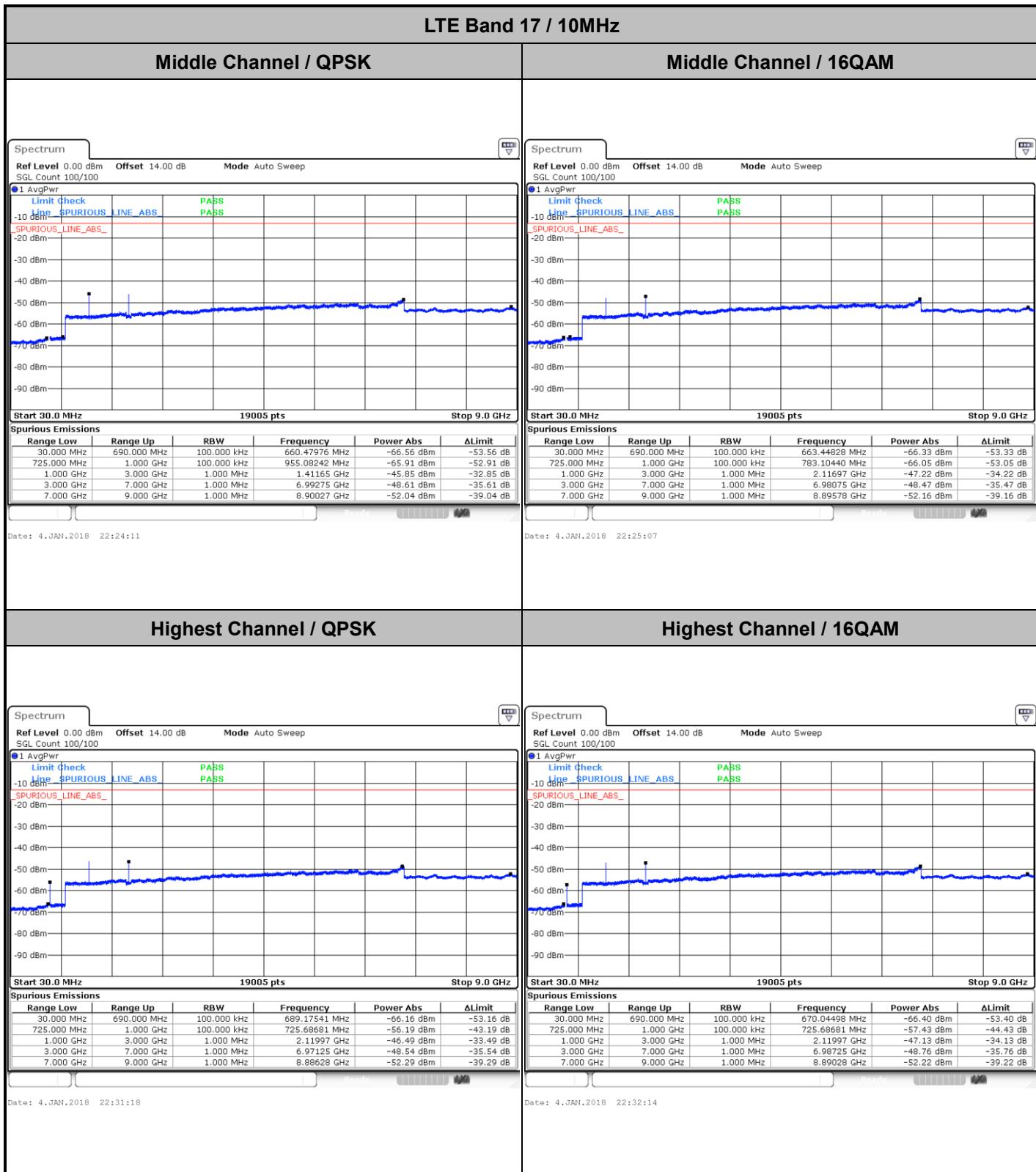


LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0074	
-10	Normal Voltage	0.0084	
-20	Normal Voltage	0.0080	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.36 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.36 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.36 V.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.36 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.36 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.36 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 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3758.92	-59.11	-13	-46.11	-78.72	-66.89	4.85	12.63	H
	5638.38	-56.83	-13	-43.83	-80.28	-64.35	5.58	13.10	H
	7517.84	-57.66	-13	-44.66	-81.18	-62.40	6.56	11.30	H
	3758.92	-58.25	-13	-45.25	-78.64	-66.03	4.85	12.63	V
	5638.38	-56.53	-13	-43.53	-80.58	-64.05	5.58	13.10	V
	7517.84	-57.63	-13	-44.63	-81.17	-62.37	6.56	11.30	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3757.48	-58.42	-13	-45.42	-78.03	-66.20	4.85	12.63	H
	5636.22	-57.19	-13	-44.19	-80.64	-64.71	5.58	13.10	H
	7514.96	-57.70	-13	-44.70	-81.22	-62.44	6.56	11.30	H
	3757.48	-57.96	-13	-44.96	-78.35	-65.74	4.85	12.63	V
	5636.22	-56.59	-13	-43.59	-80.64	-64.11	5.58	13.10	V
	7514.96	-57.59	-13	-44.59	-81.13	-62.33	6.56	11.30	V

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



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3755.68	-58.48	-13	-45.48	-78.09	-66.26	4.85	12.63	H
	5633.52	-57.06	-13	-44.06	-80.51	-64.58	5.58	13.10	H
	7511.36	-57.68	-13	-44.68	-81.20	-62.42	6.56	11.30	H
	3755.68	-57.88	-13	-44.88	-78.27	-65.66	4.85	12.63	V
	5633.52	-56.27	-13	-43.27	-80.32	-63.79	5.58	13.10	V
	7511.36	-57.65	-13	-44.65	-81.19	-62.39	6.56	11.30	V

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

LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3751.18	-58.90	-13	-45.90	-78.51	-66.68	4.85	12.63	H
	5626.77	-57.14	-13	-44.14	-80.59	-64.66	5.58	13.10	H
	7502	-57.69	-13	-44.69	-81.21	-62.43	6.56	11.30	H
	3751.18	-58.20	-13	-45.20	-78.59	-65.98	4.85	12.63	V
	5626.77	-56.56	-13	-43.56	-80.61	-64.08	5.58	13.10	V
	7502	-57.55	-13	-44.55	-81.09	-62.29	6.56	11.30	V

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



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3746.68	-58.87	-13	-45.87	-78.48	-66.65	4.85	12.63	H
	5620.02	-57.14	-13	-44.14	-80.59	-64.66	5.58	13.10	H
	7493.36	-57.52	-13	-44.52	-81.04	-62.26	6.56	11.30	H
	3746.68	-58.06	-13	-45.06	-78.45	-65.84	4.85	12.63	V
	5620.02	-56.58	-13	-43.58	-80.63	-64.10	5.58	13.10	V
	7493.36	-57.57	-13	-44.57	-81.11	-62.31	6.56	11.30	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-58.70	-13	-45.70	-78.31	-66.48	4.85	12.63	H
	5613.27	-57.17	-13	-44.17	-80.62	-64.69	5.58	13.10	H
	7484.36	-57.73	-13	-44.73	-81.25	-62.47	6.56	11.30	H
	3742.18	-58.11	-13	-45.11	-78.5	-65.89	4.85	12.63	V
	5613.27	-56.53	-13	-43.53	-80.58	-64.05	5.58	13.10	V
	7484.36	-57.67	-13	-44.67	-81.21	-62.41	6.56	11.30	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3463.74	-59.32	-13	-46.32	-78.65	-67.54	4.38	12.60	H
	5195.61	-56.81	-13	-43.81	-80.97	-64.57	4.94	12.70	H
	6927.48	-57.70	-13	-44.70	-81.61	-63.08	6.32	11.70	H
	3463.74	-62.89	-13	-49.89	-78.97	-71.11	4.38	12.60	V
	5195.61	-61.63	-13	-48.63	-81.14	-69.39	4.94	12.70	V
	6927.48	-57.57	-13	-44.57	-81.48	-62.95	6.32	11.70	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462.48	-59.24	-13	-46.24	-78.57	-67.46	4.38	12.60	H
	5193.72	-57.13	-13	-44.13	-81.29	-64.89	4.94	12.70	H
	6924.96	-57.63	-13	-44.63	-81.54	-63.01	6.32	11.70	H
	3462.48	-62.86	-13	-49.86	-78.94	-71.08	4.38	12.60	V
	5193.72	-61.88	-13	-48.88	-81.39	-69.64	4.94	12.70	V
	6924.96	-57.57	-13	-44.57	-81.48	-62.95	6.32	11.70	V

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



LTE Band 4 / 5MHz / QPSK/ RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3460.68	-59.01	-13	-46.01	-78.34	-67.23	4.38	12.60	H
	5191.02	-57.04	-13	-44.04	-81.20	-64.80	4.94	12.70	H
	6921.36	-57.55	-13	-44.55	-81.46	-62.93	6.32	11.70	H
	3460.68	-62.86	-13	-49.86	-78.94	-71.08	4.38	12.60	V
	5191.02	-61.86	-13	-48.86	-81.37	-69.62	4.94	12.70	V
	6921.36	-57.69	-13	-44.69	-81.6	-63.07	6.32	11.70	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3456.18	-59.25	-13	-46.25	-78.58	-67.47	4.38	12.60	H
	5184.27	-56.51	-13	-43.51	-80.67	-64.27	4.94	12.70	H
	6912.36	-57.64	-13	-44.64	-81.55	-63.02	6.32	11.70	H
	3456.18	-62.80	-13	-49.80	-78.88	-71.02	4.38	12.60	V
	5184.27	-61.82	-13	-48.82	-81.33	-69.58	4.94	12.70	V
	6912.36	-57.73	-13	-44.73	-81.64	-63.11	6.32	11.70	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3451.68	-59.05	-13	-46.05	-78.38	-67.27	4.38	12.60	H
	5177.52	-56.93	-13	-43.93	-81.09	-64.69	4.94	12.70	H
	6903.36	-57.74	-13	-44.74	-81.65	-63.12	6.32	11.70	H
	3451.68	-62.78	-13	-49.78	-78.86	-71.00	4.38	12.60	V
	5177.52	-61.81	-13	-48.81	-81.32	-69.57	4.94	12.70	V
	6903.36	-57.68	-13	-44.68	-81.59	-63.06	6.32	11.70	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-59.32	-13	-46.32	-78.65	-67.54	4.38	12.60	H
	5170.77	-56.78	-13	-43.78	-80.94	-64.54	4.94	12.70	H
	6894.36	-57.63	-13	-44.63	-81.54	-63.01	6.32	11.70	H
	3447.18	-62.94	-13	-49.94	-79.02	-71.16	4.38	12.60	V
	5170.77	-61.70	-13	-48.70	-81.21	-69.46	4.94	12.70	V
	6894.36	-57.50	-13	-44.50	-81.41	-62.88	6.32	11.70	V

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