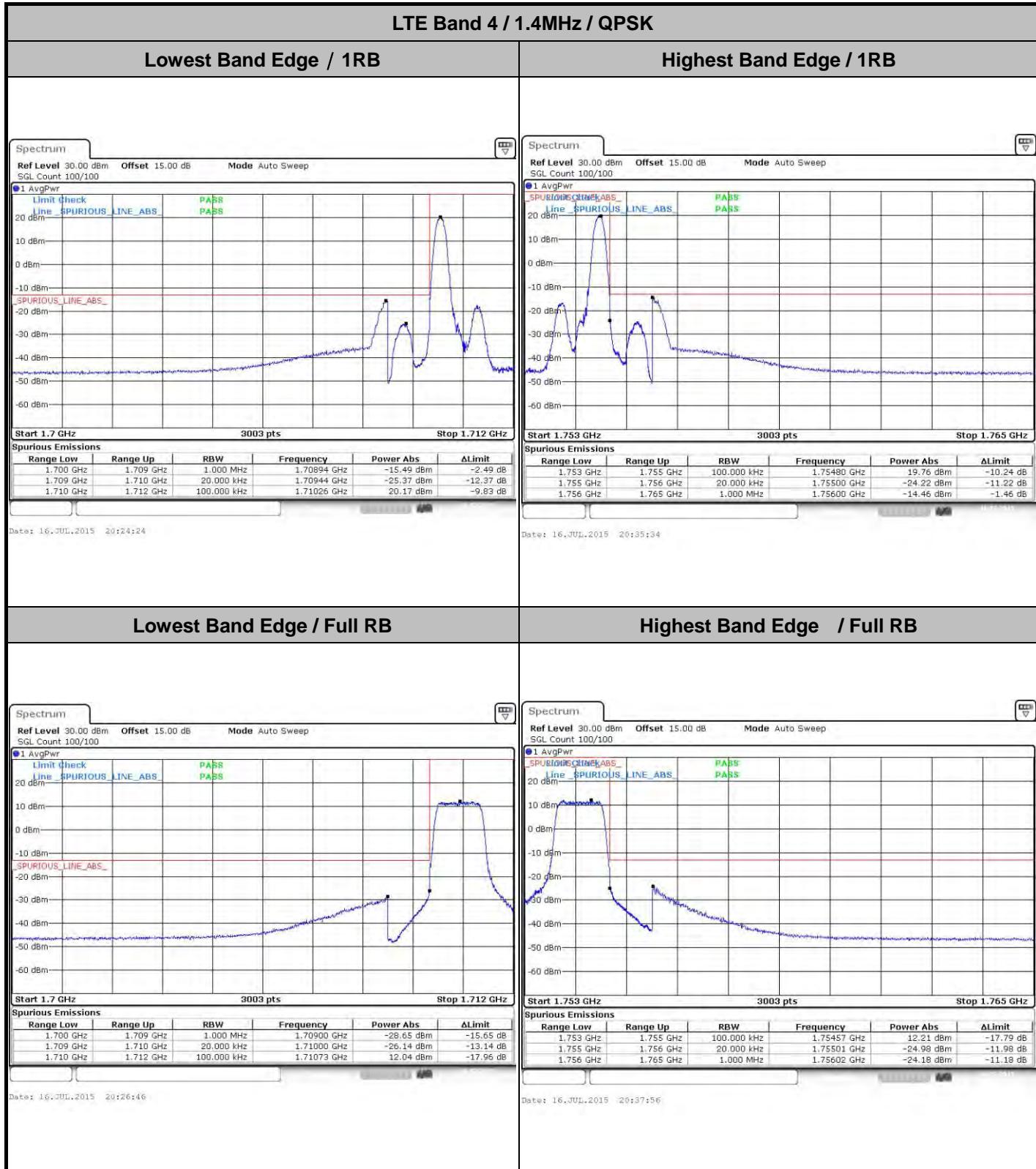
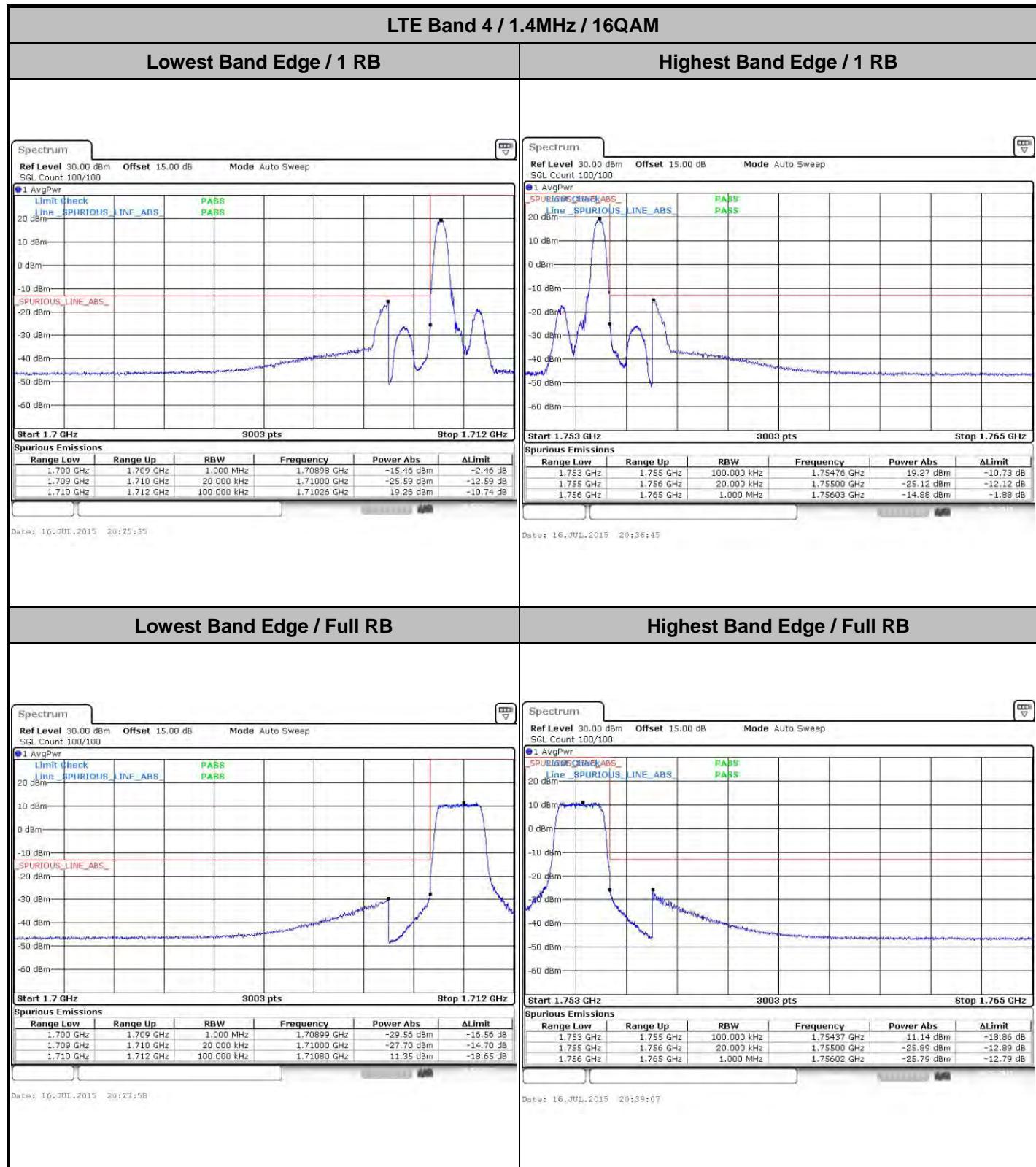
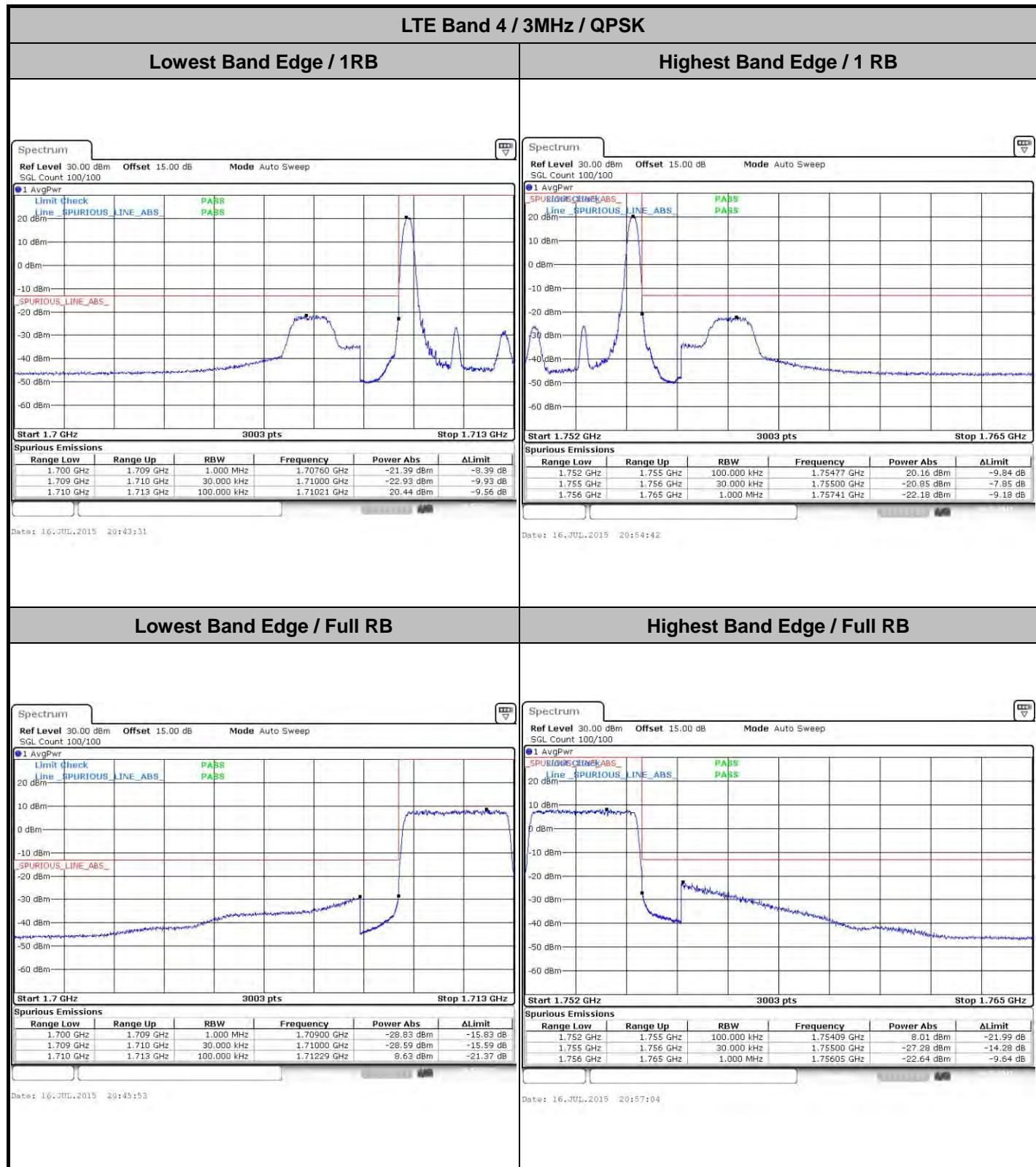


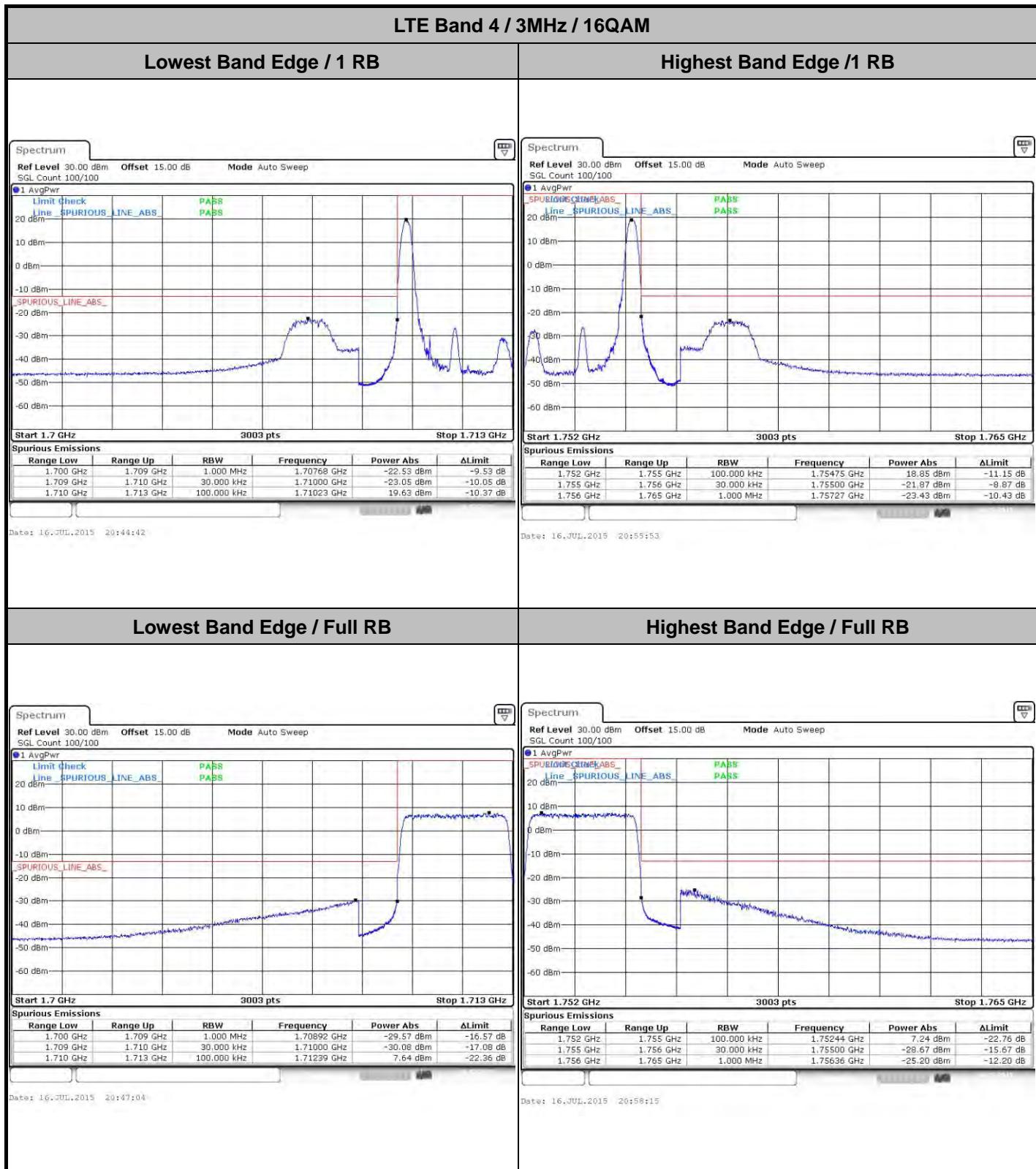


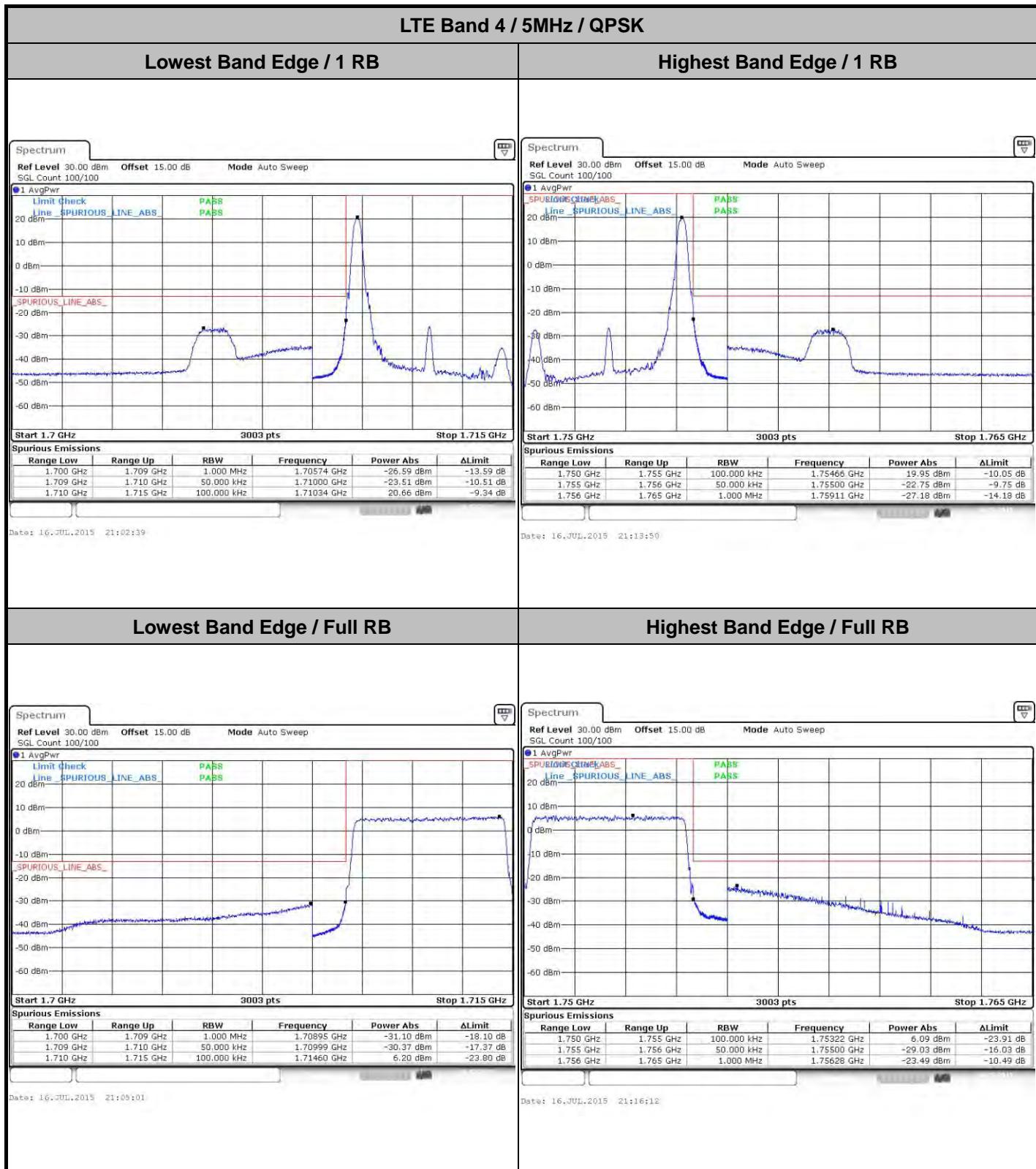
Conducted Band Edge

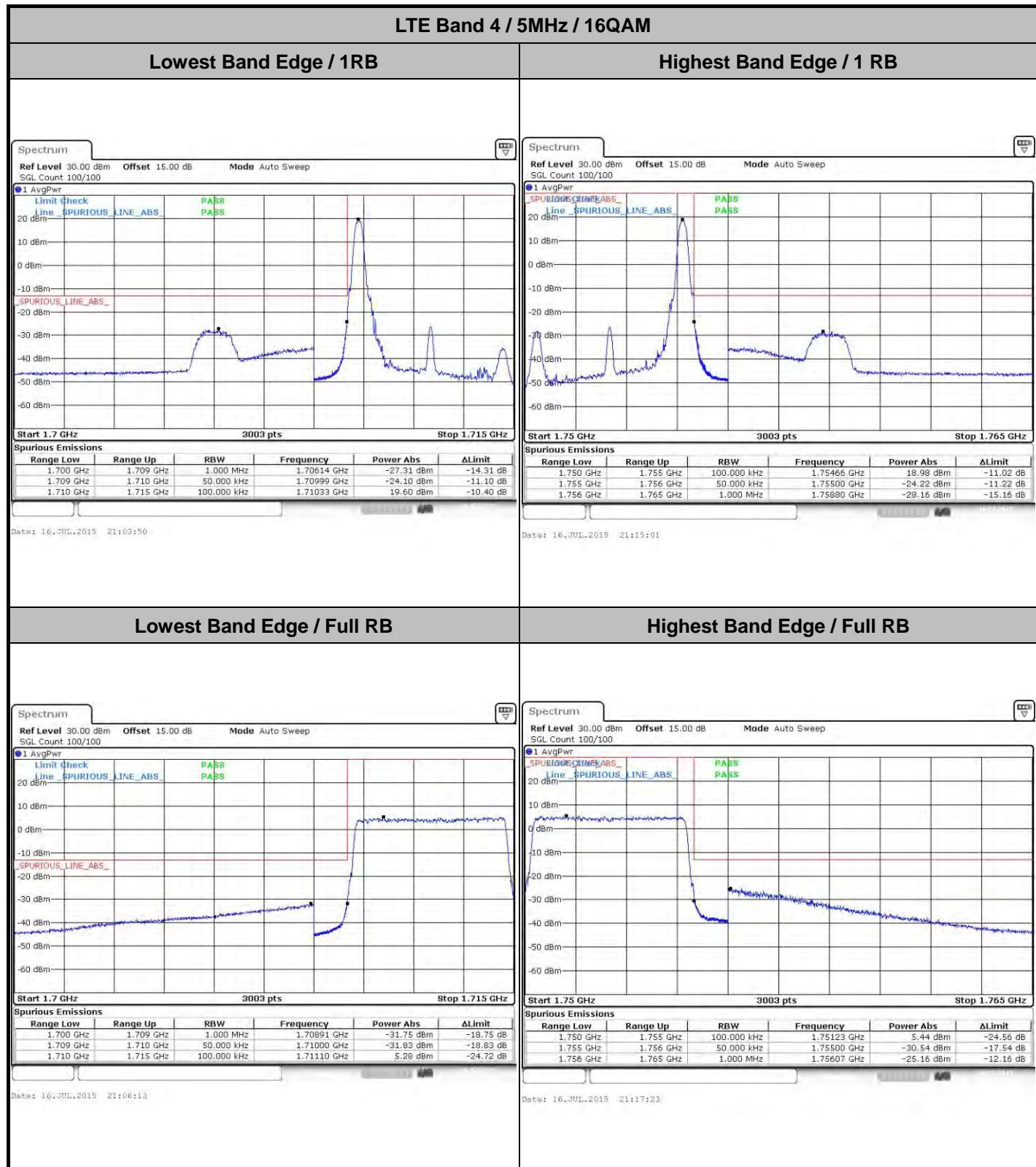


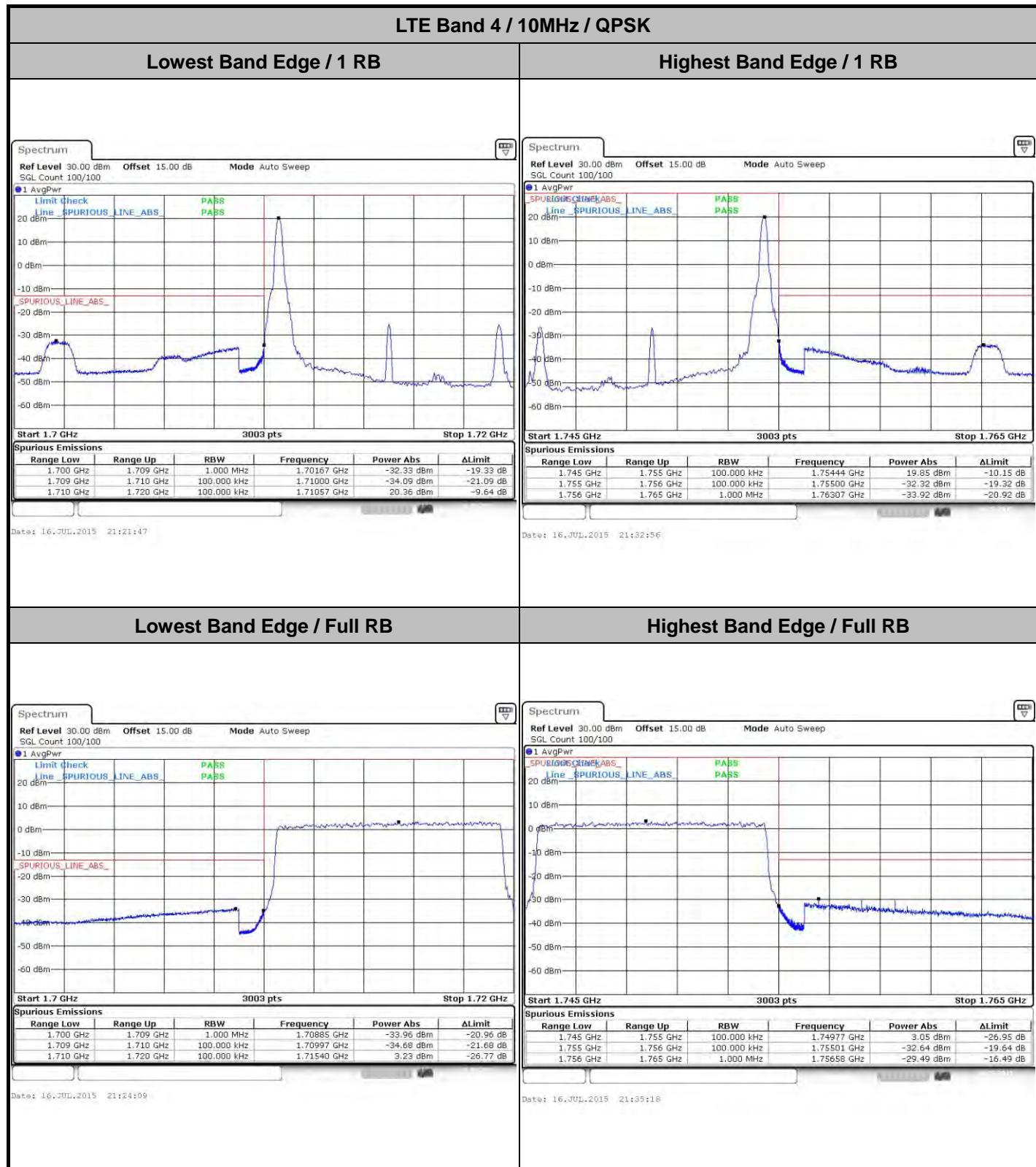


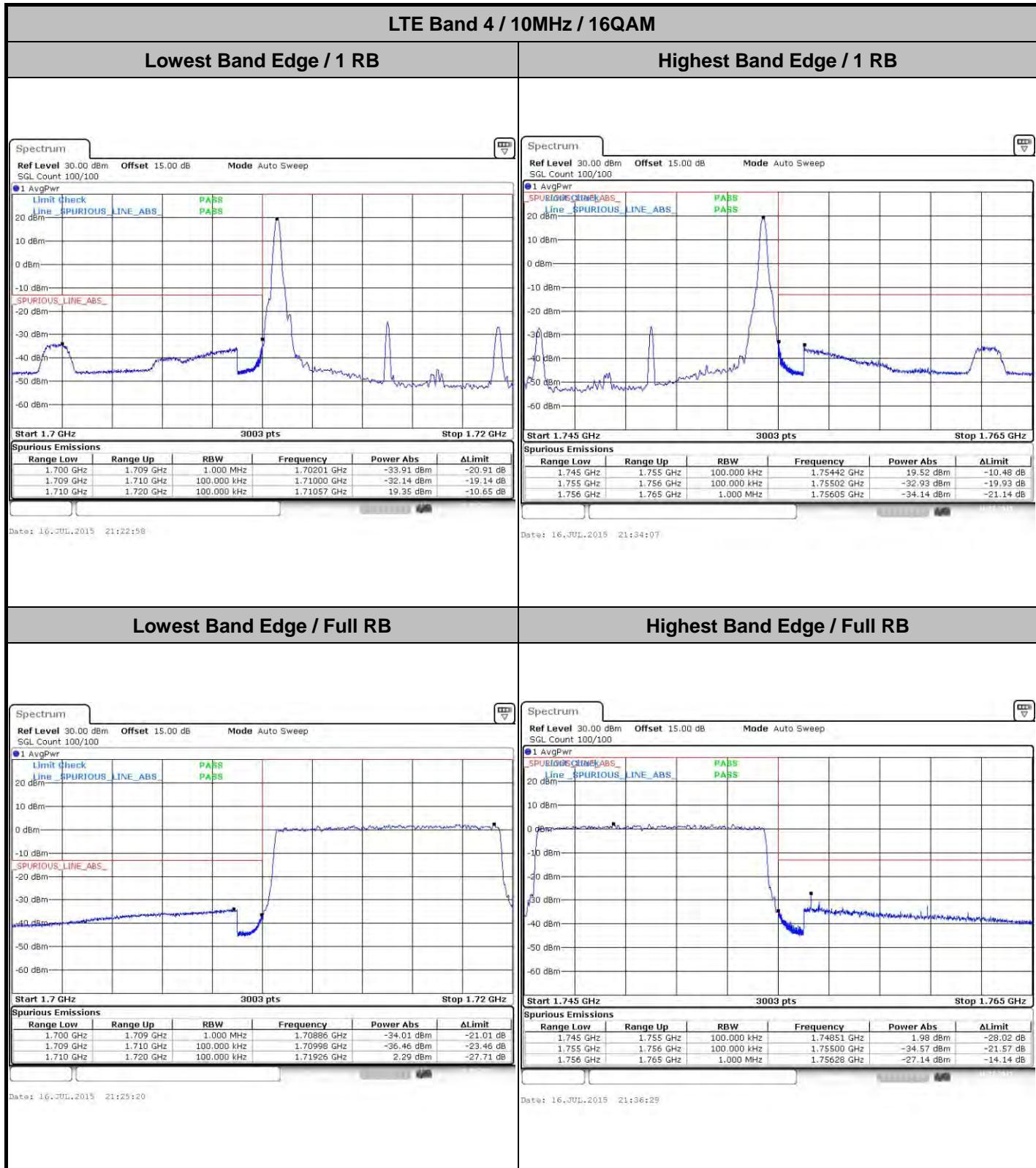


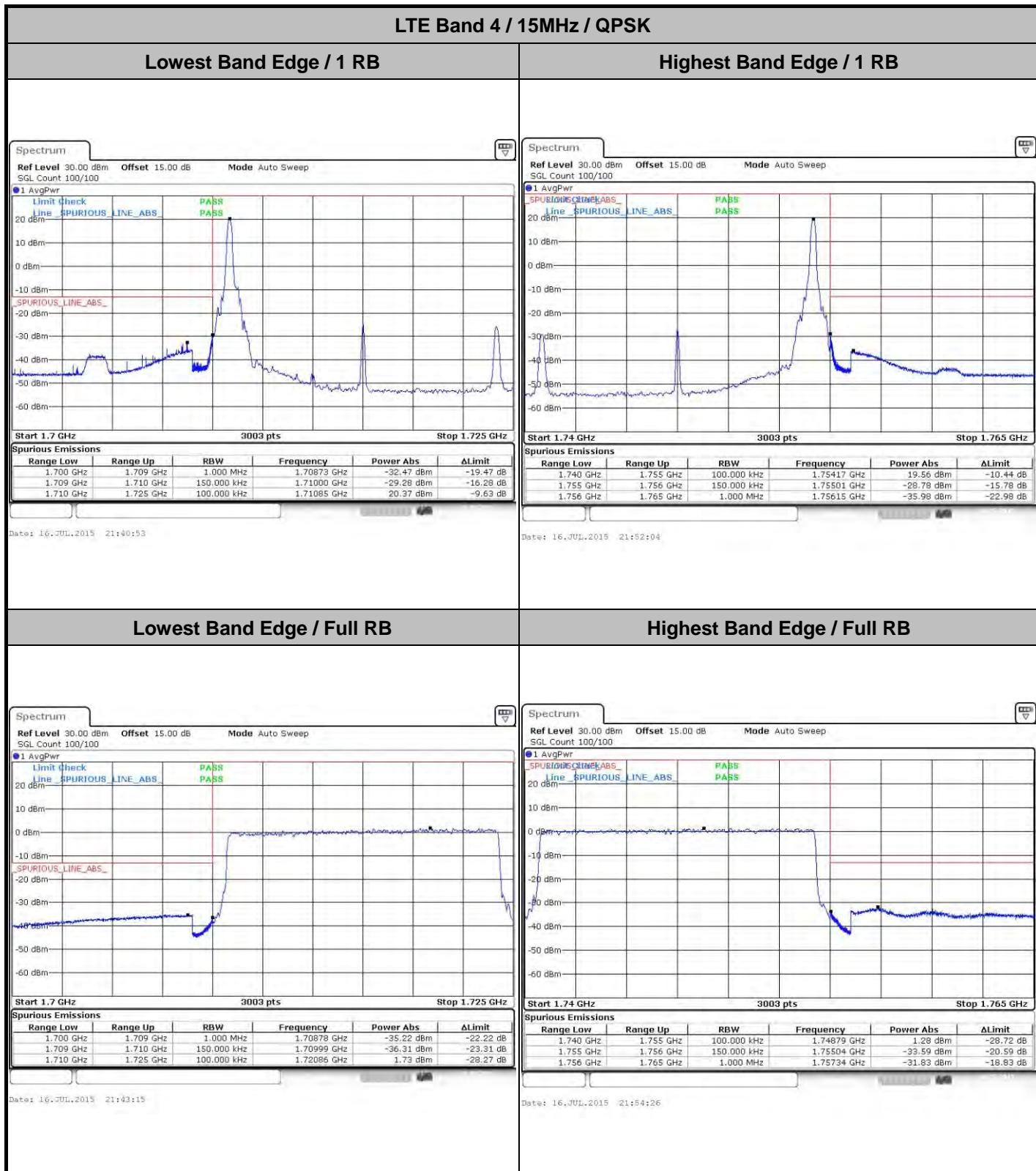


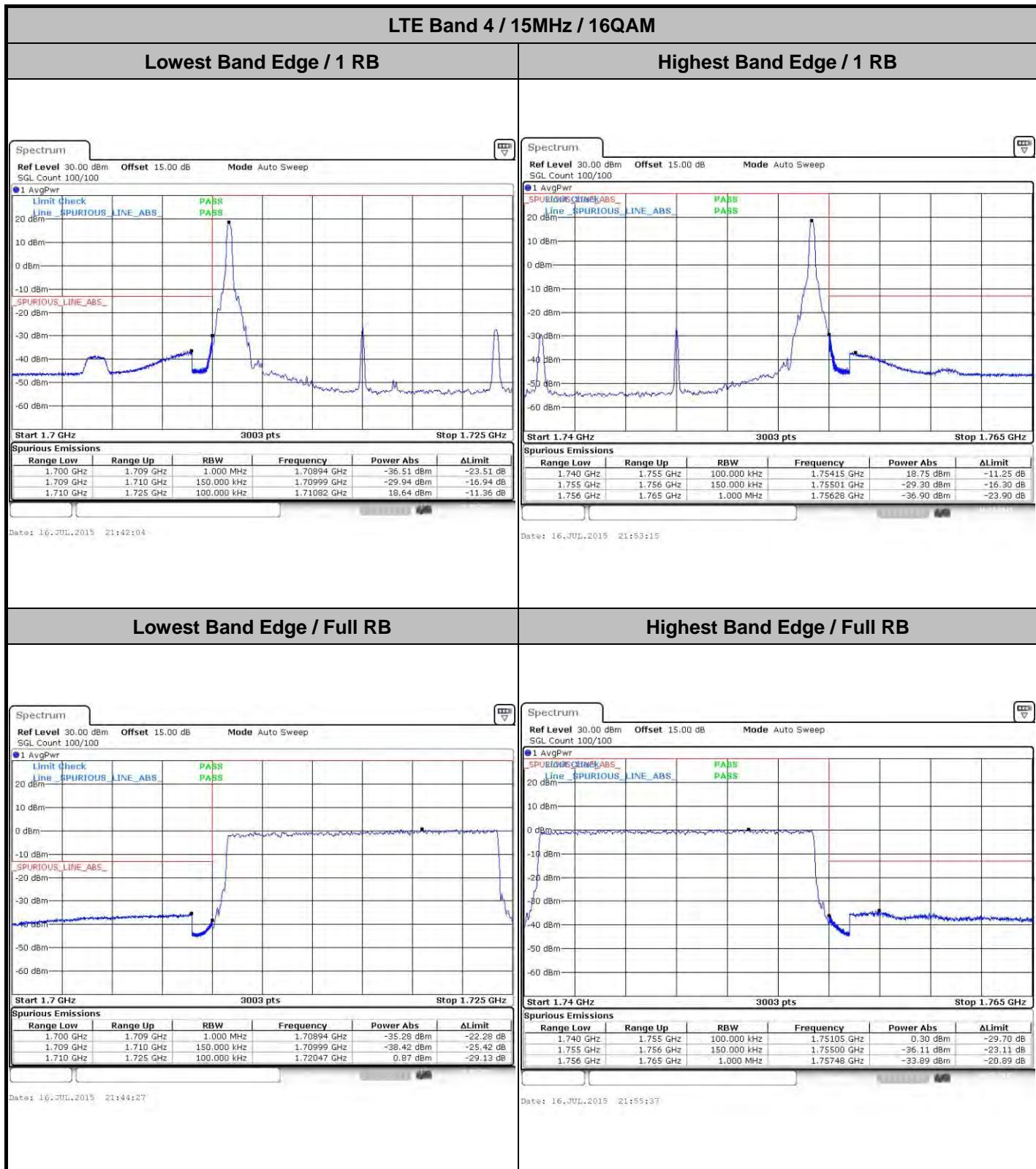


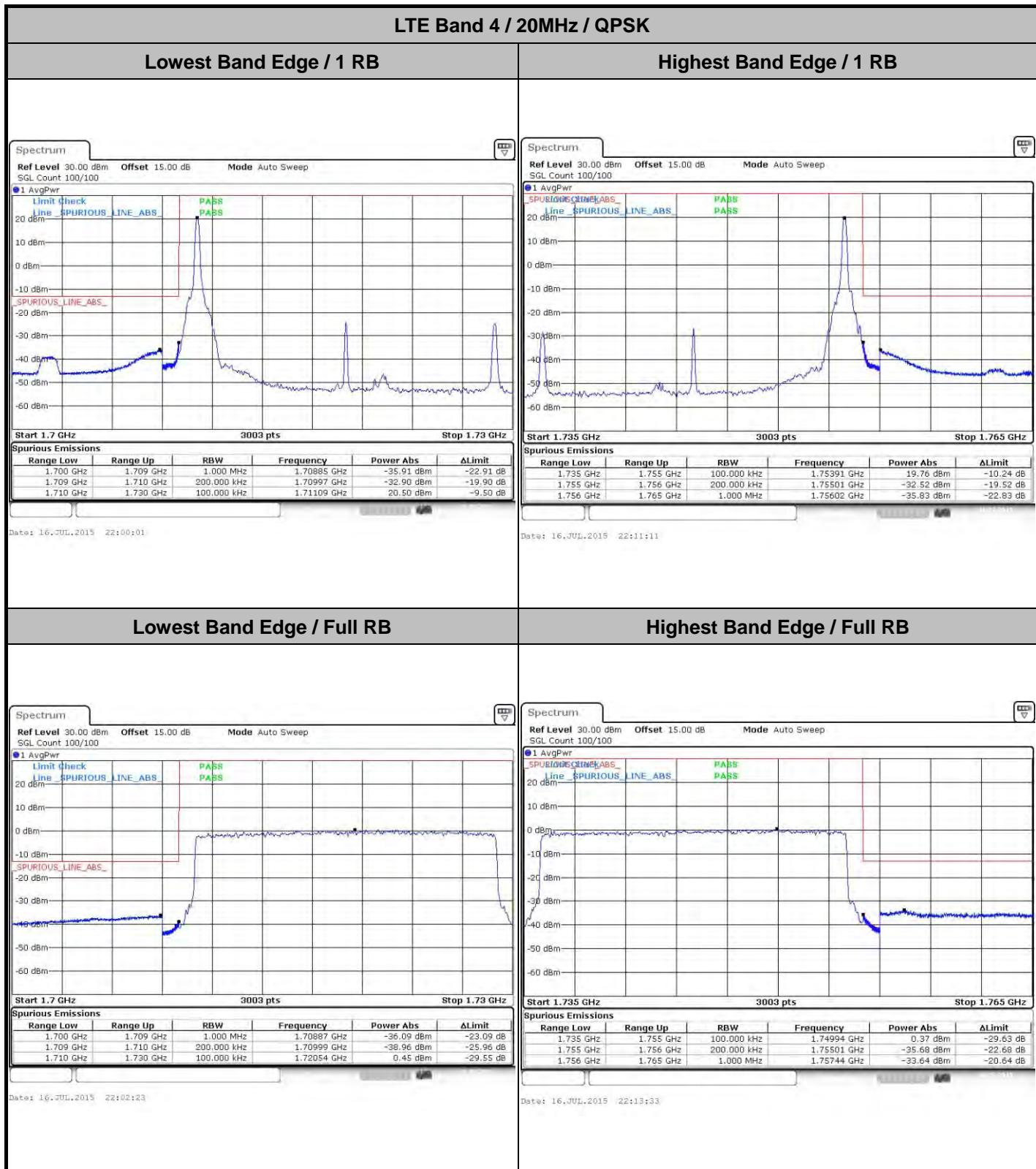


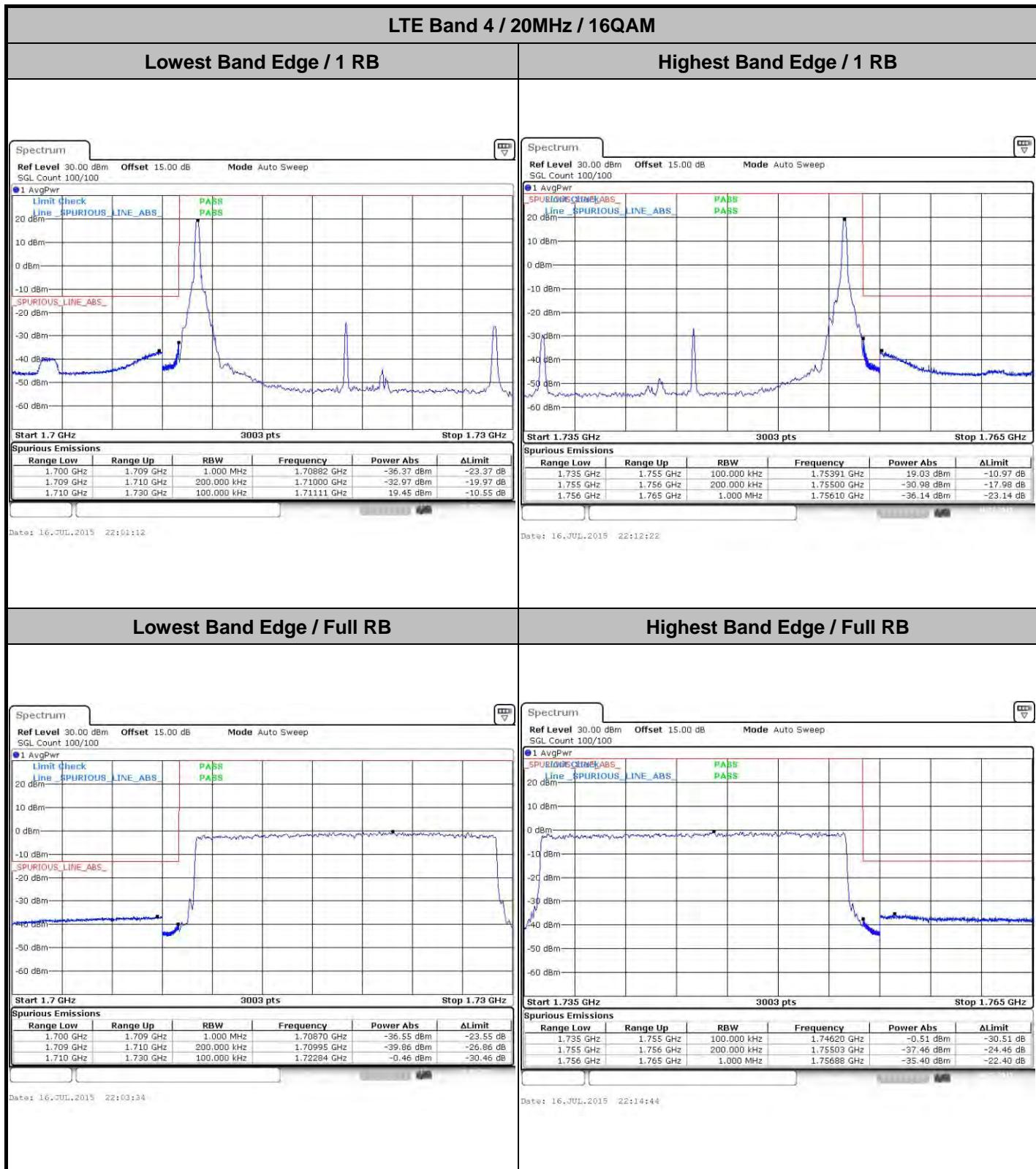


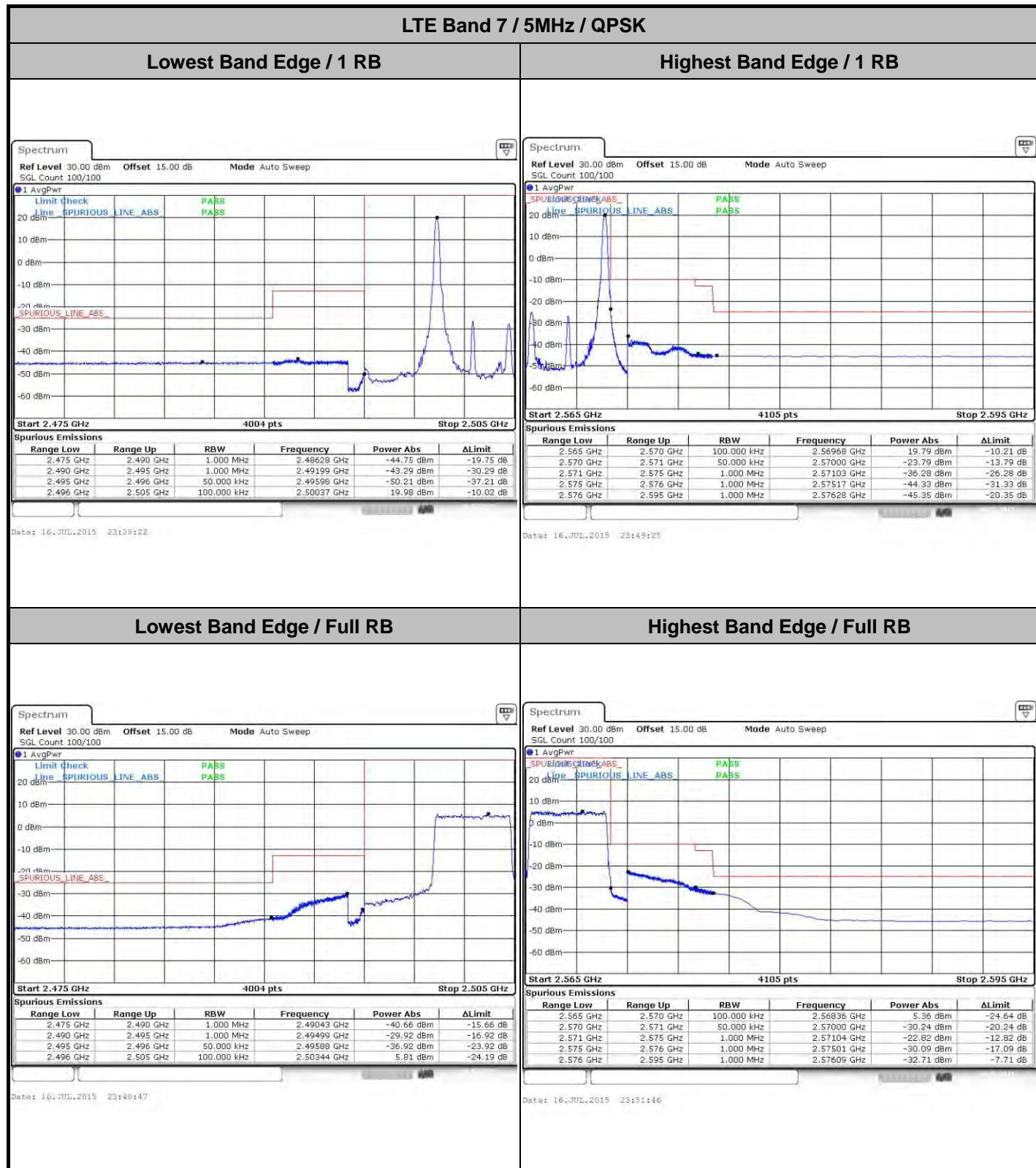


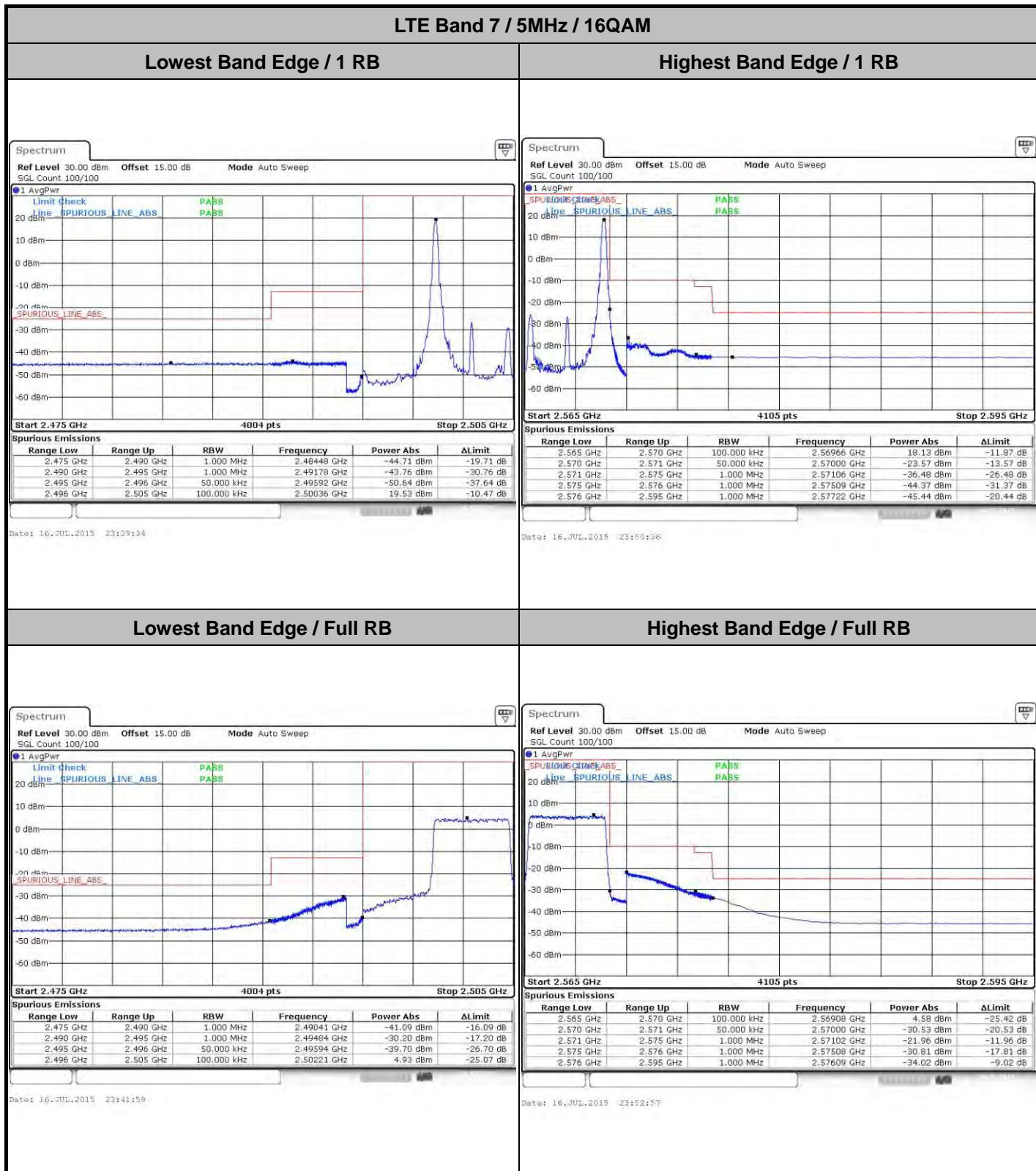


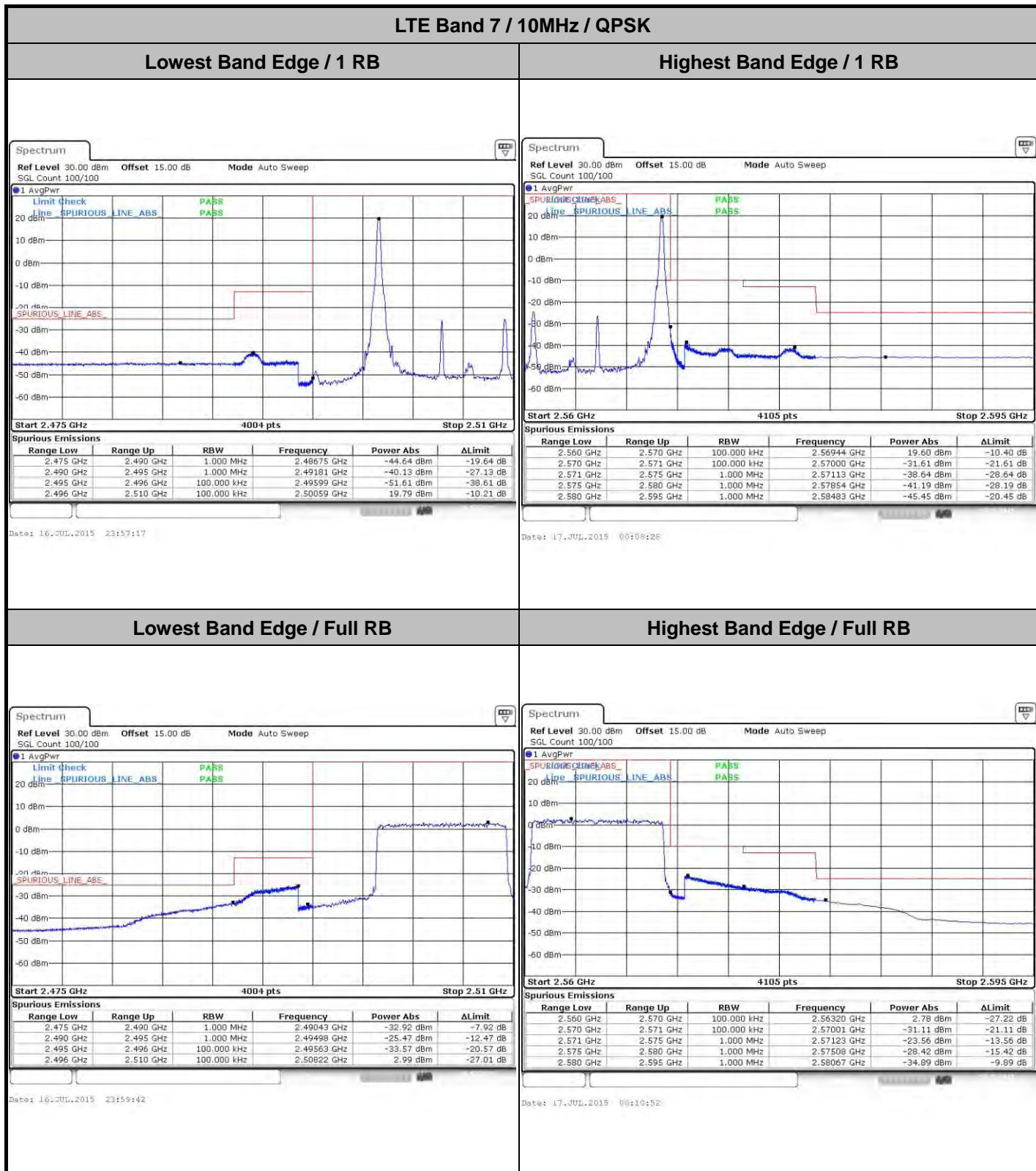


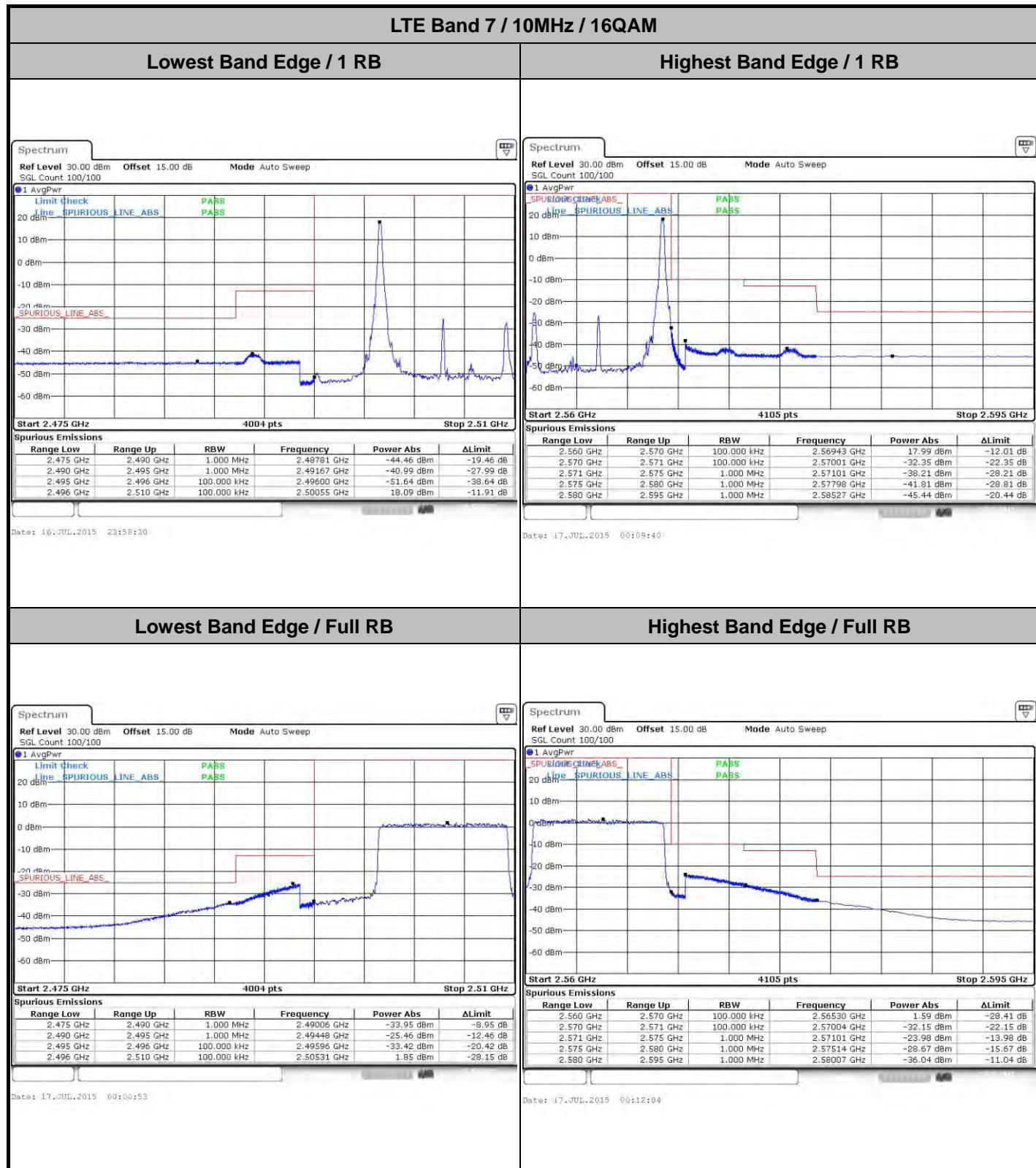


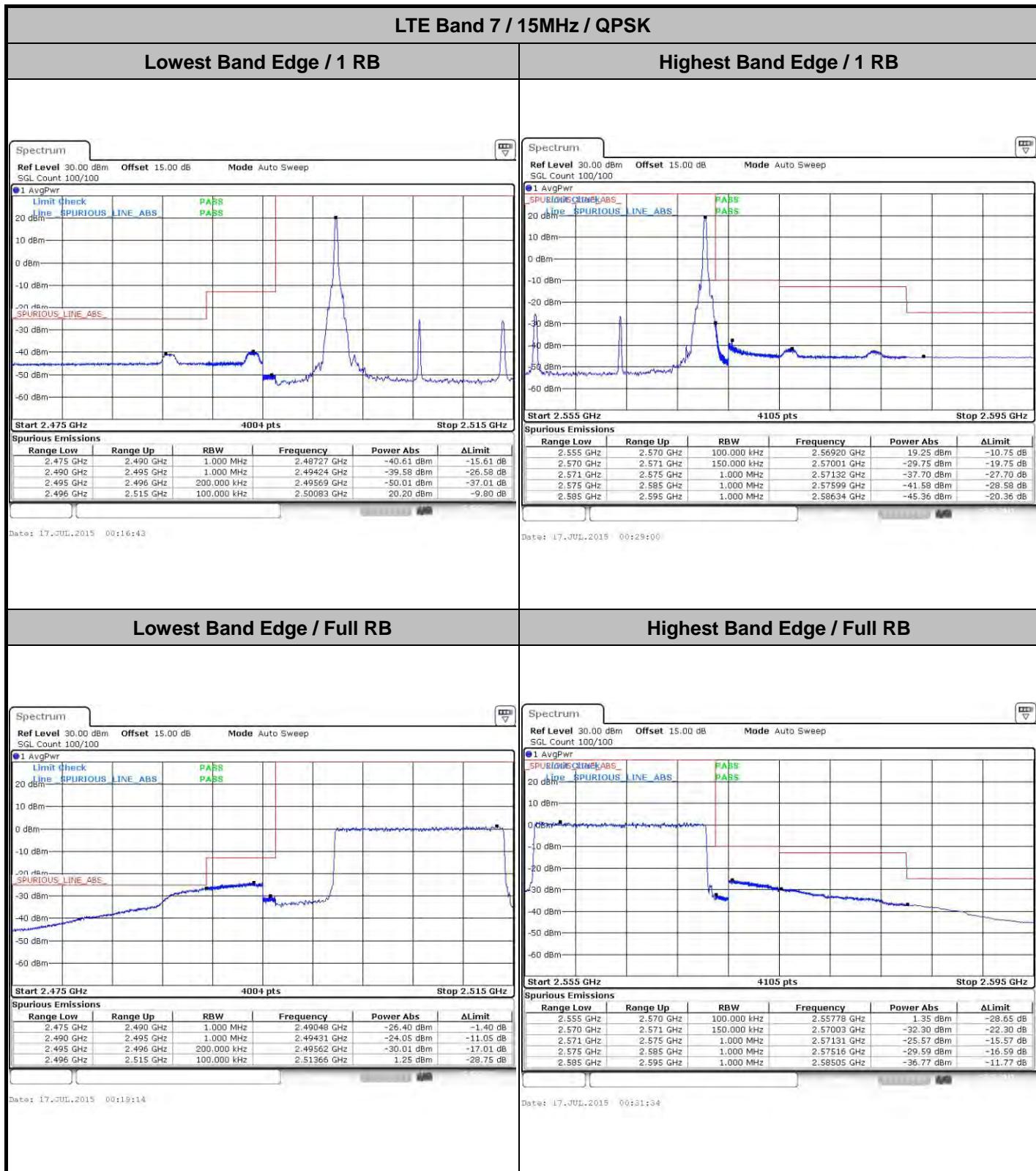


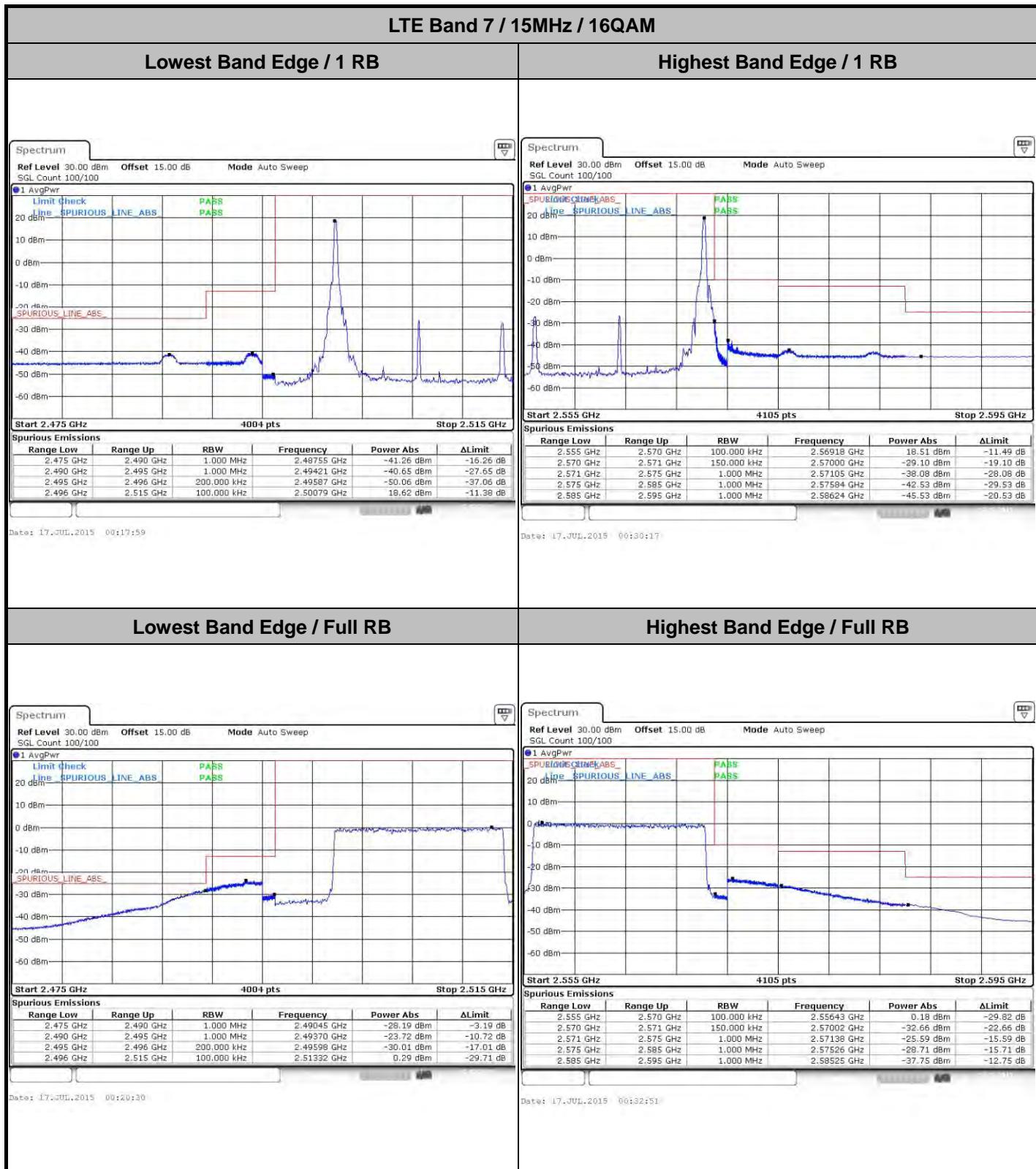


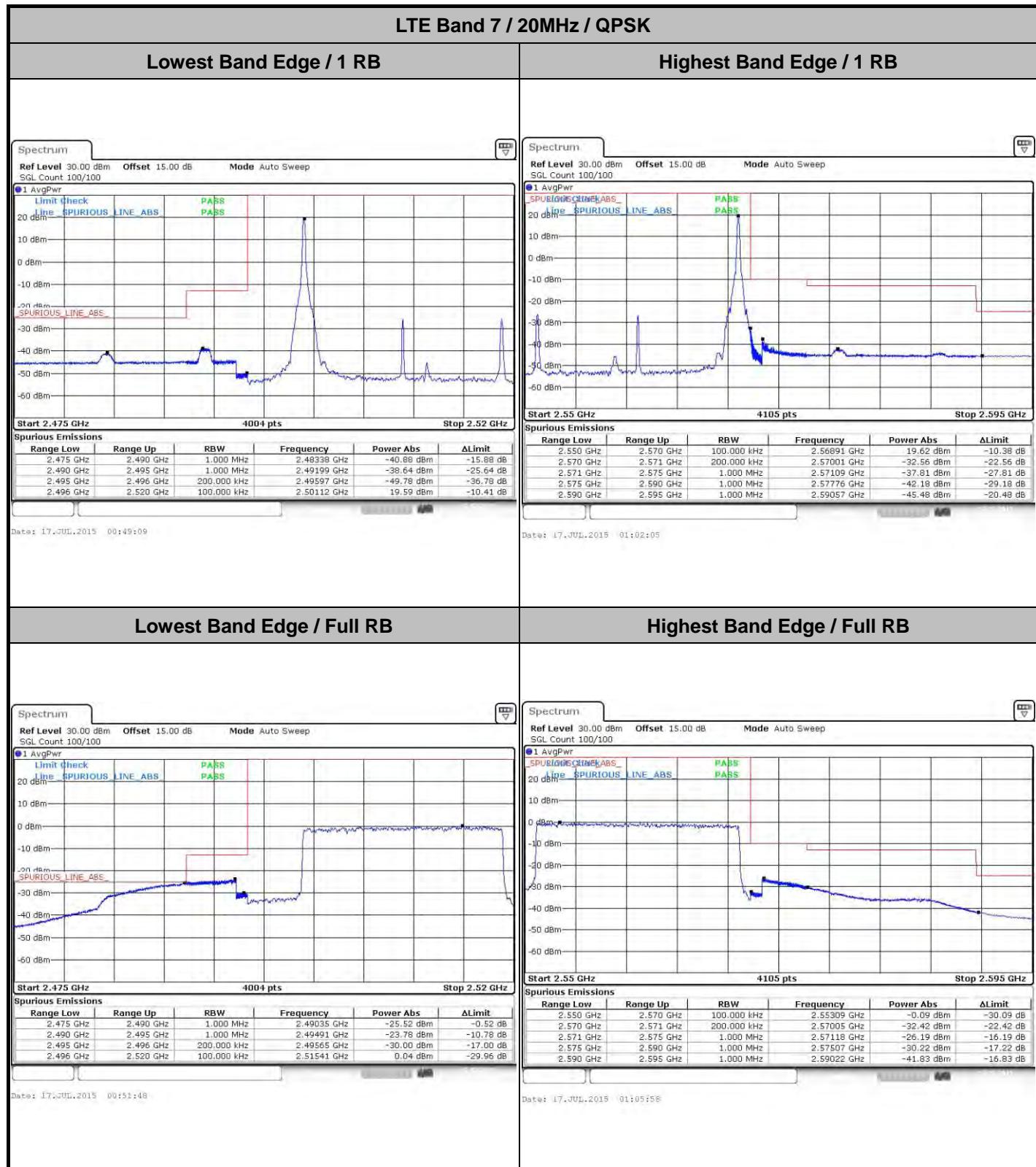


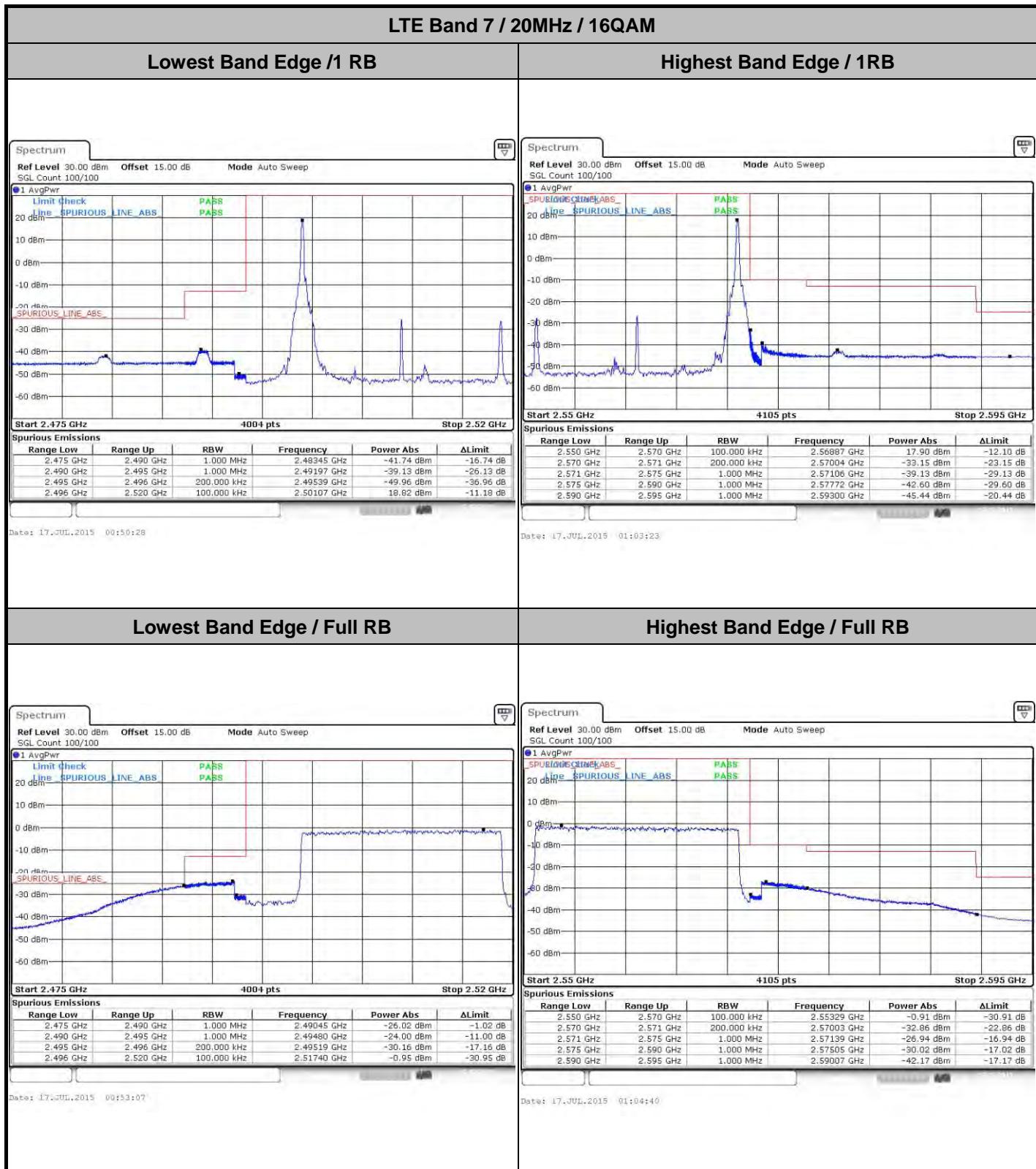


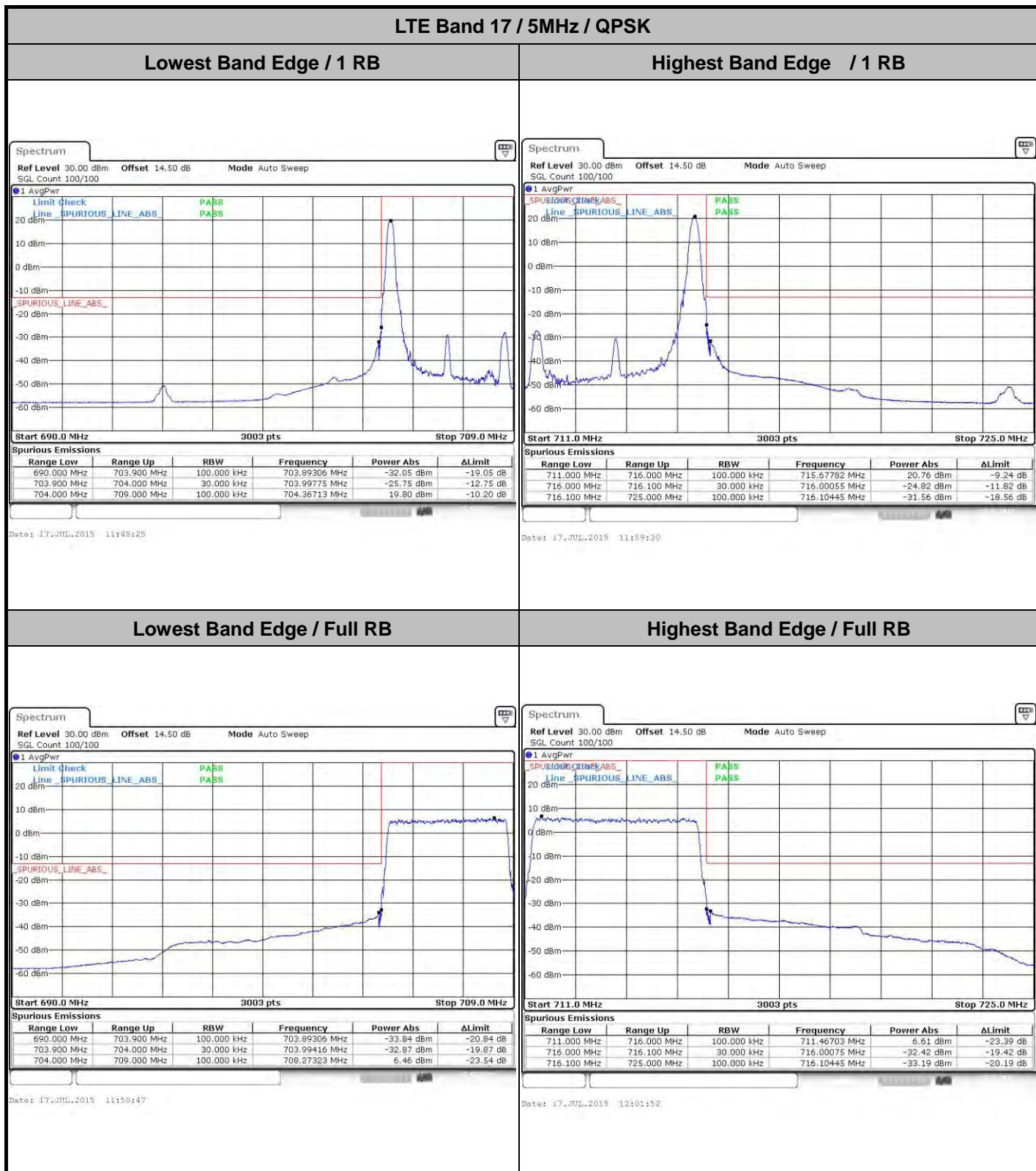


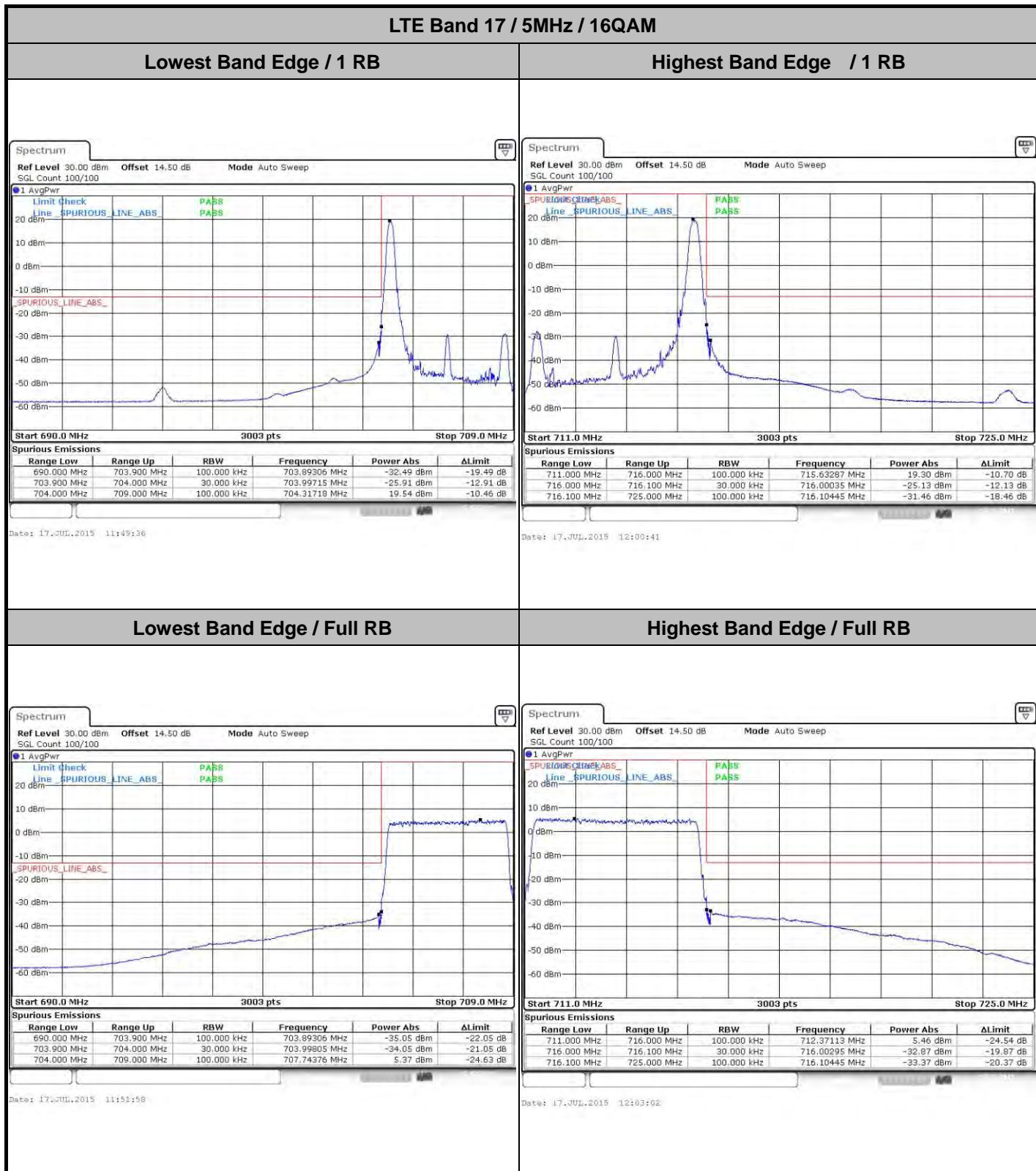


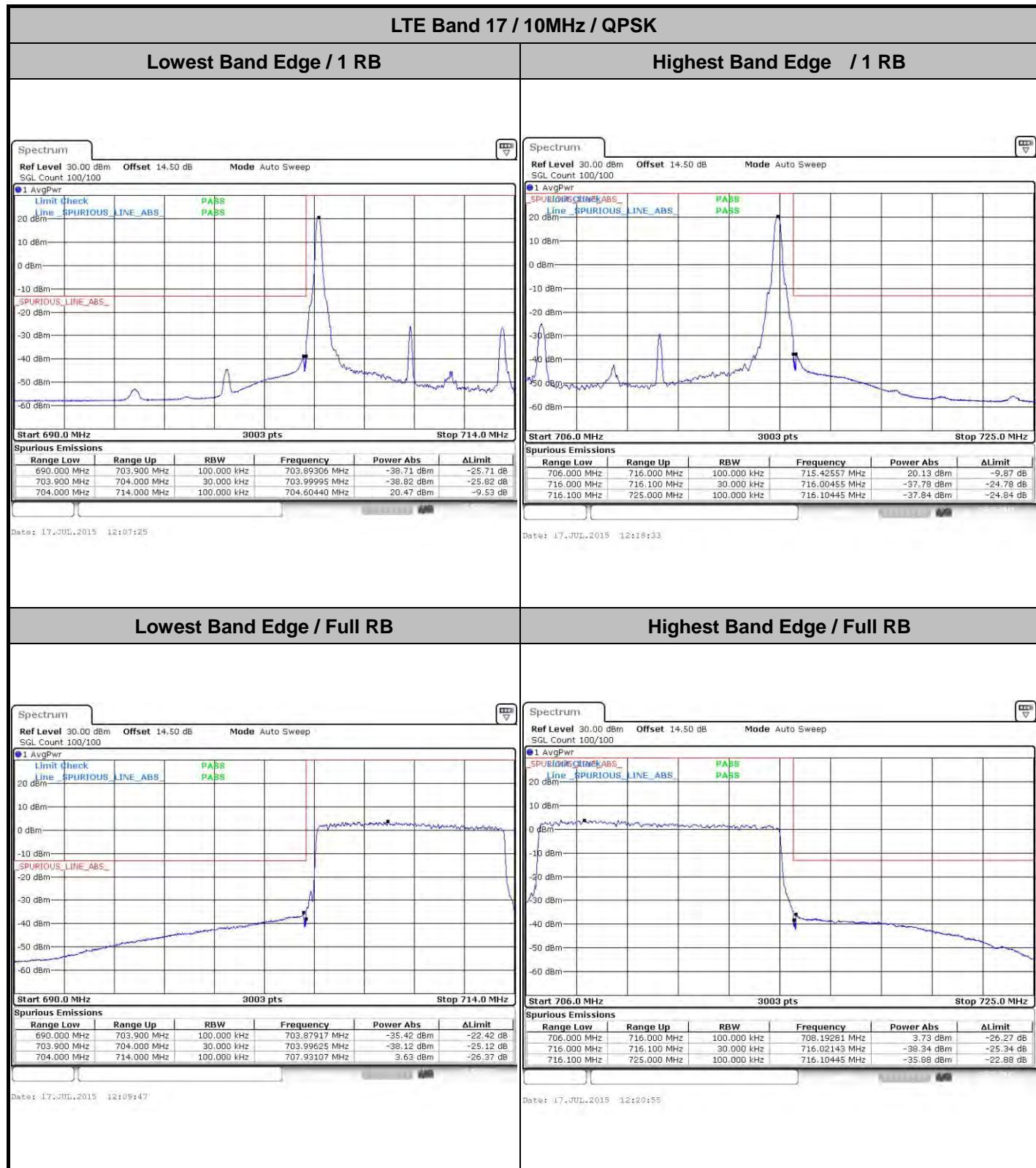


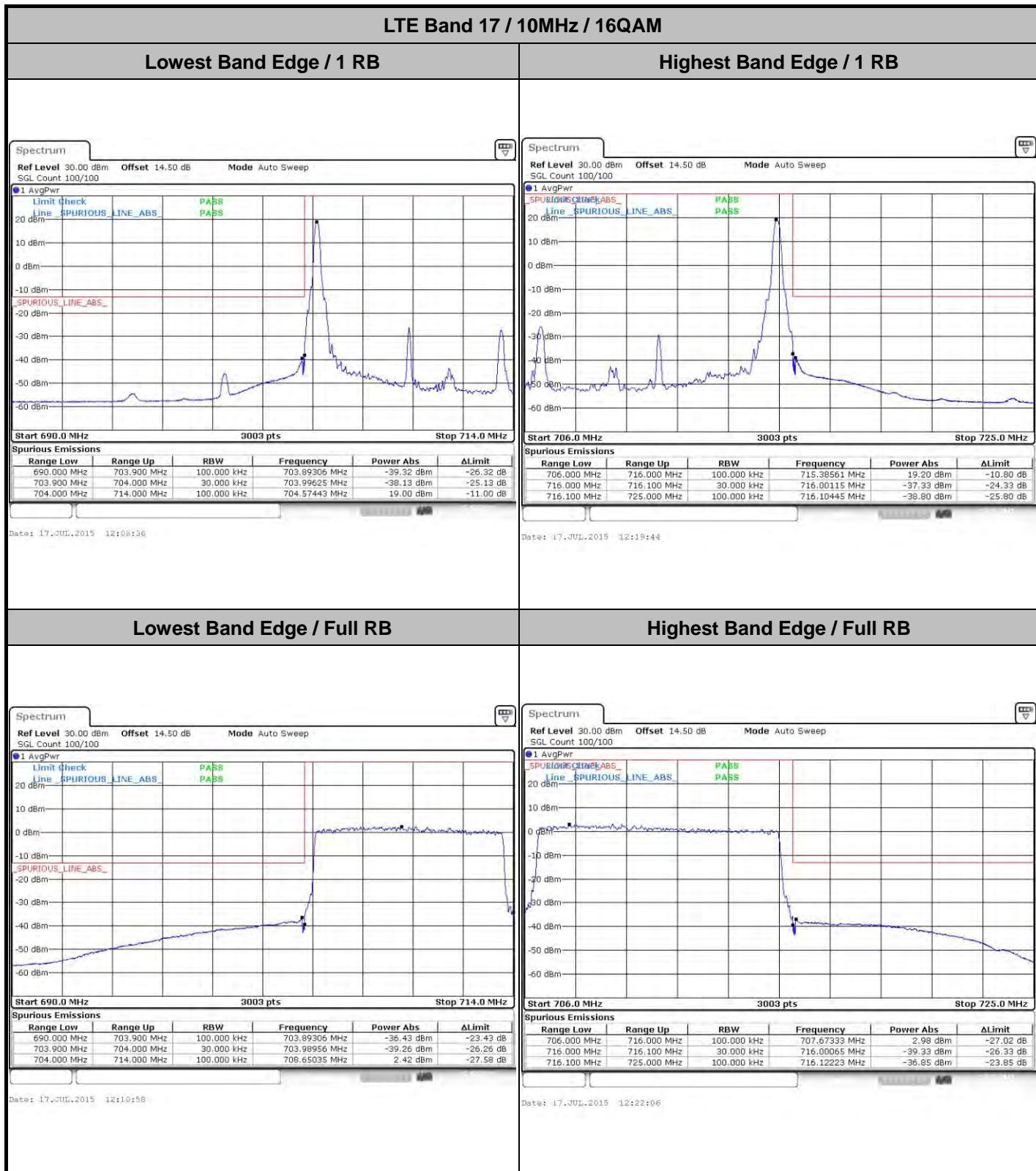






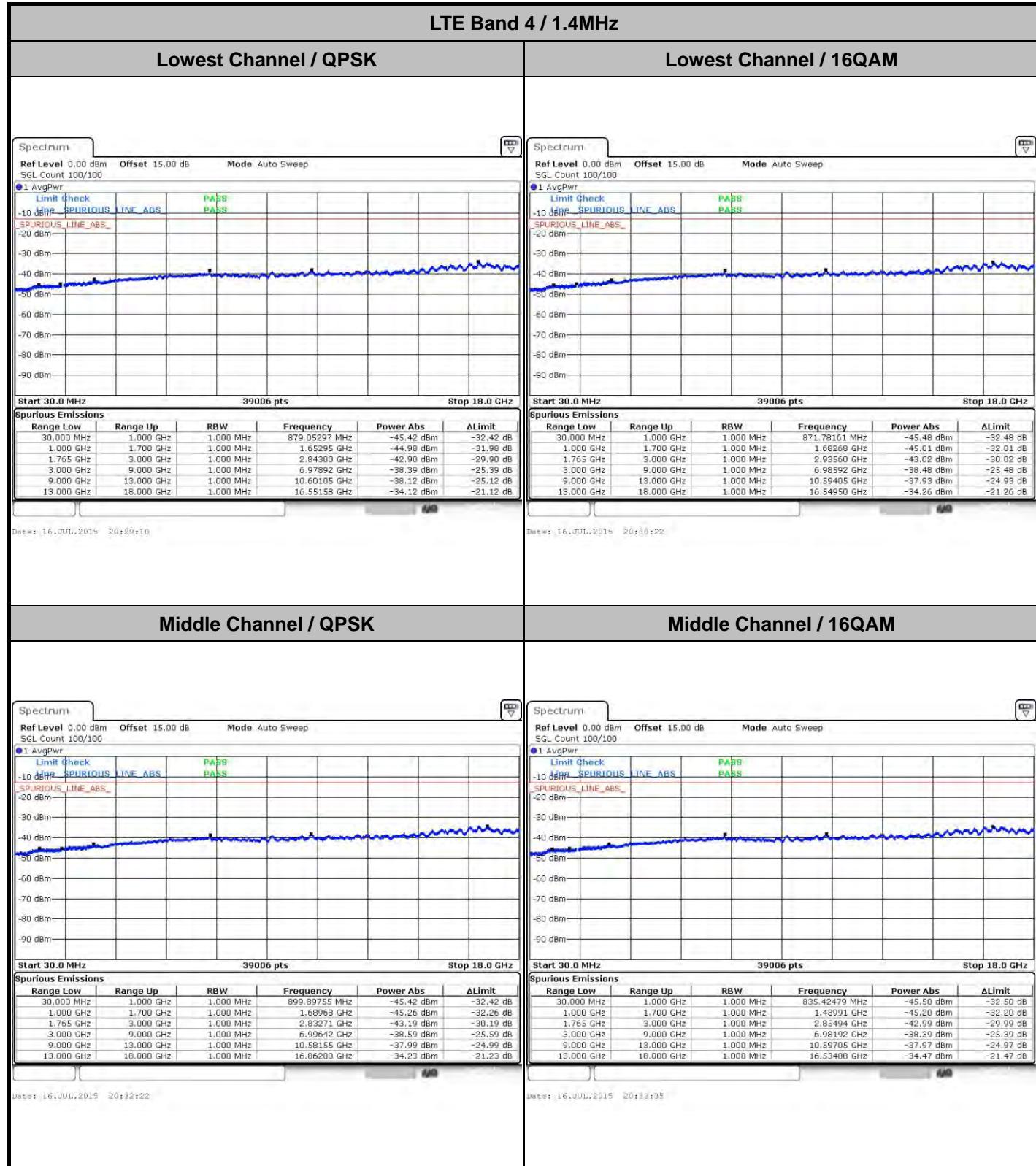








Conducted Spurious Emission

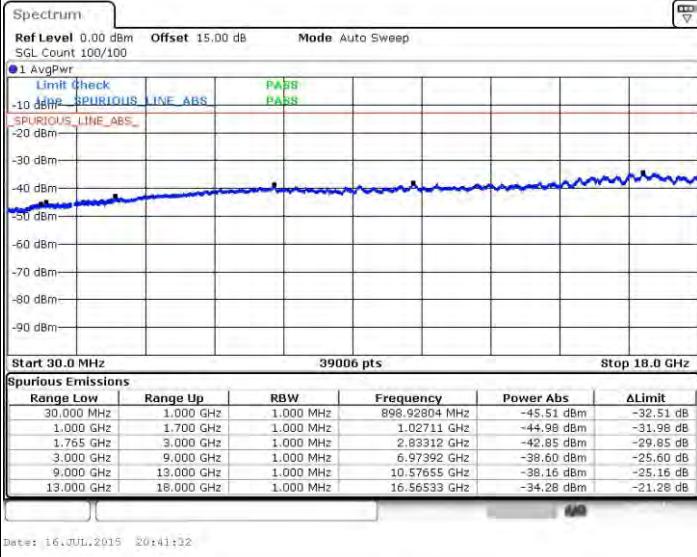
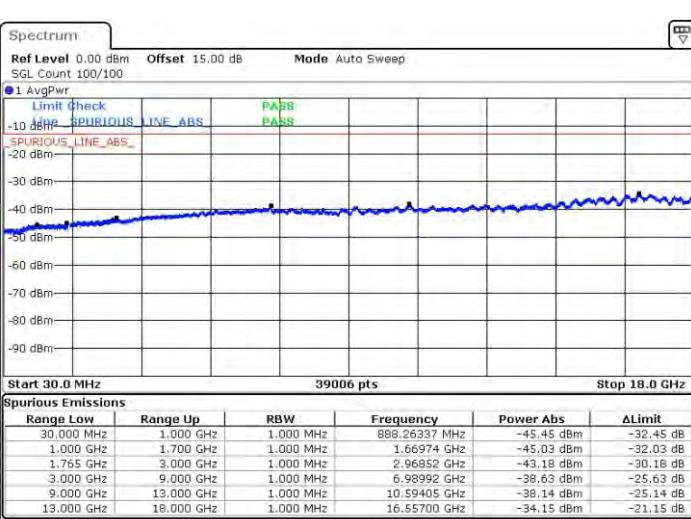




LTE Band 4 / 1.4MHz

Highest Channel / QPSK

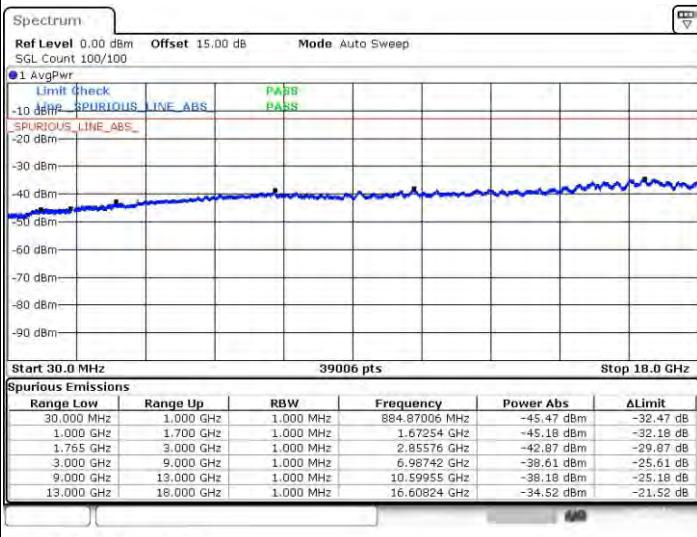
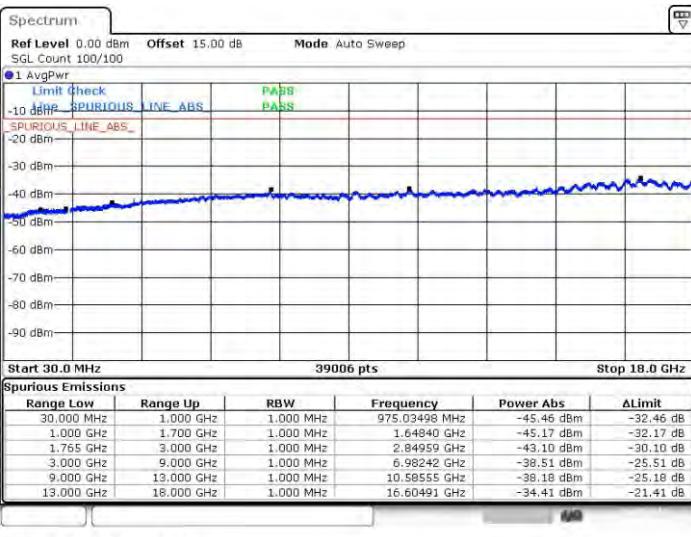
Highest Channel / 16QAM

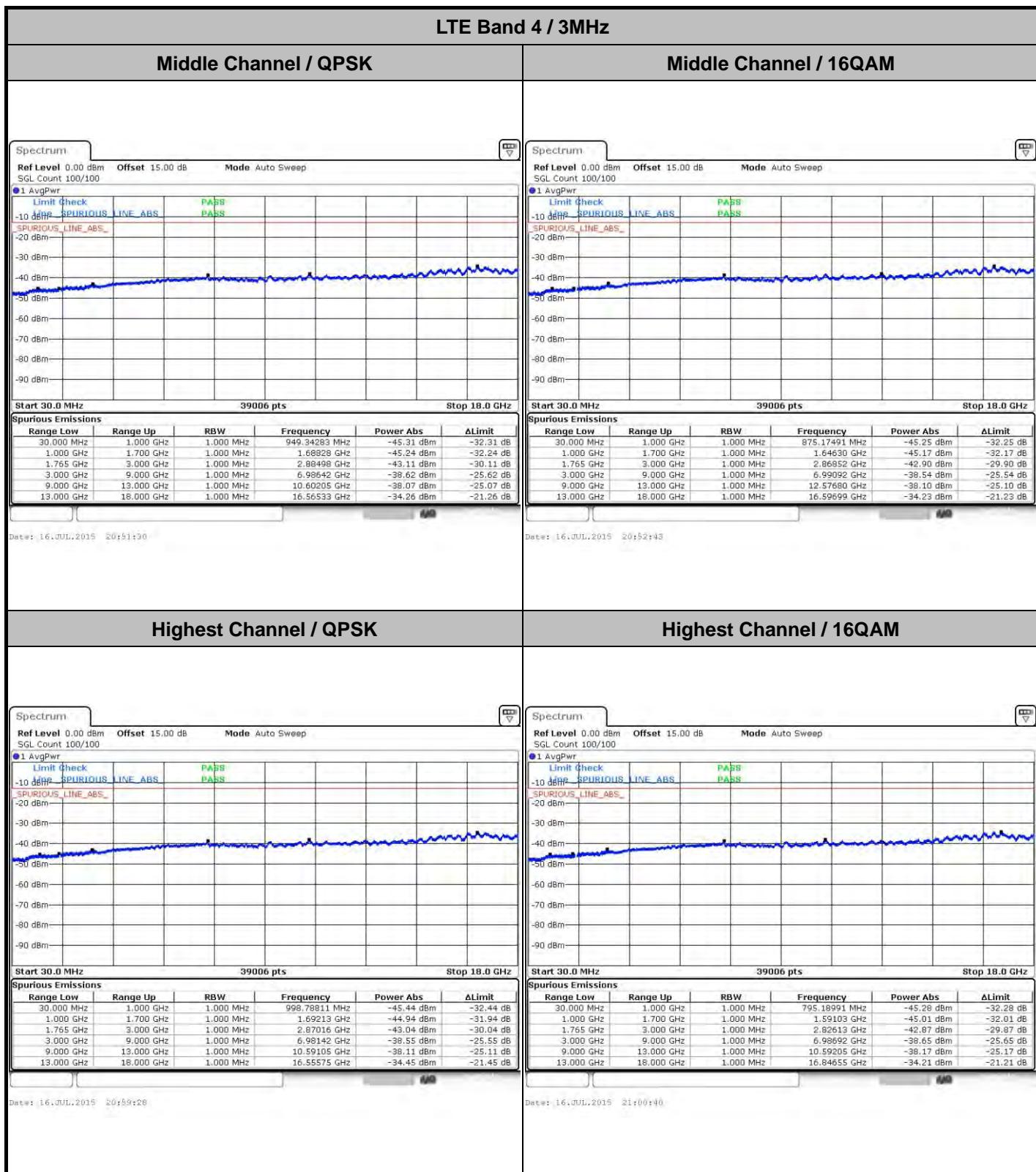


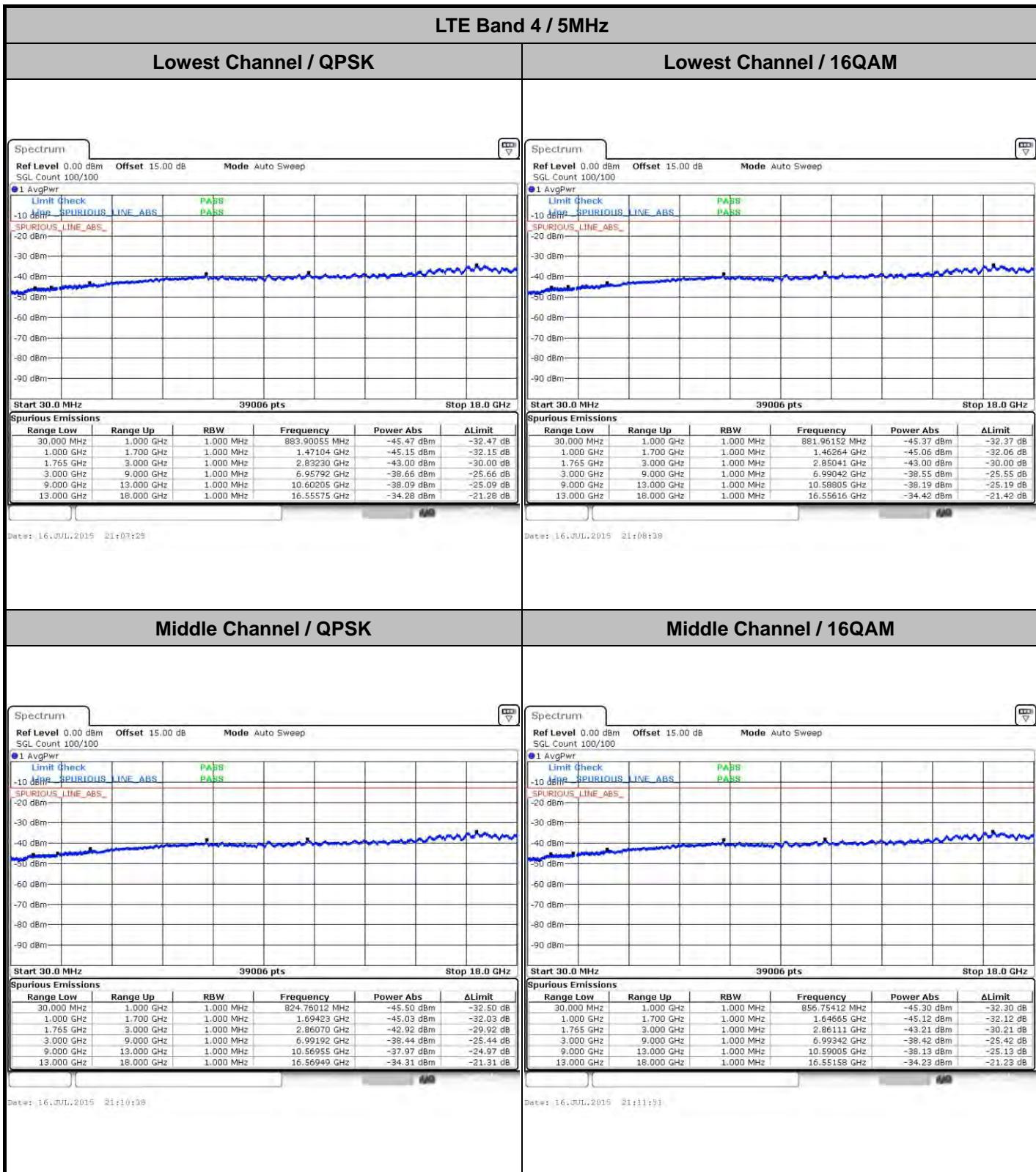
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





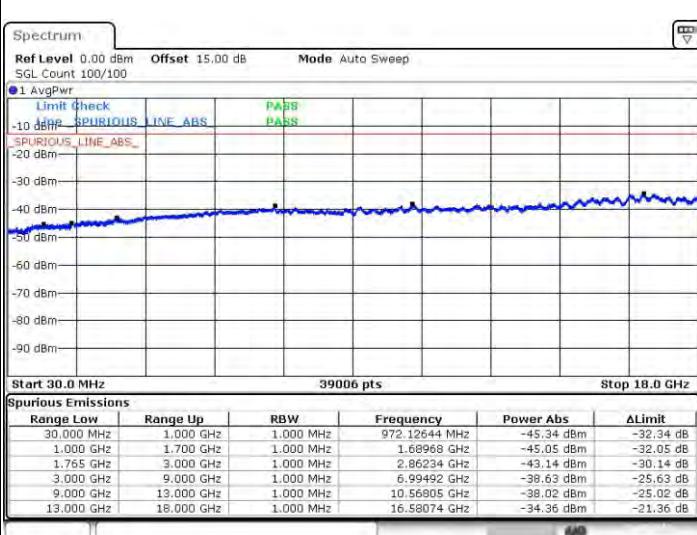
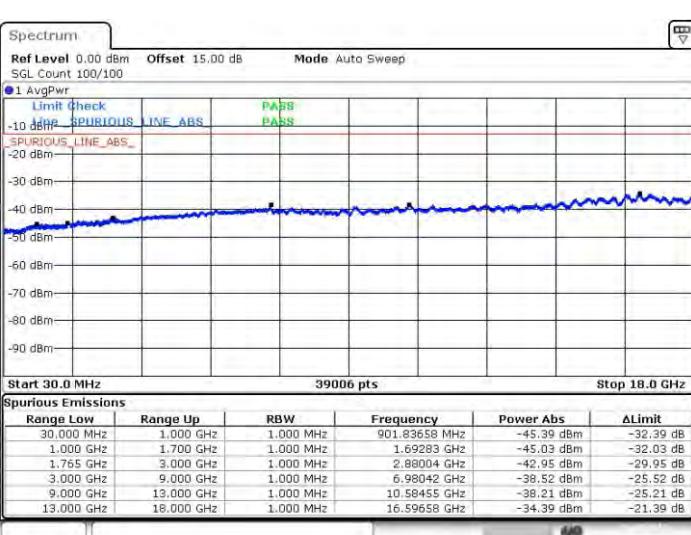




LTE Band 4 / 5MHz

Highest Channel / QPSK

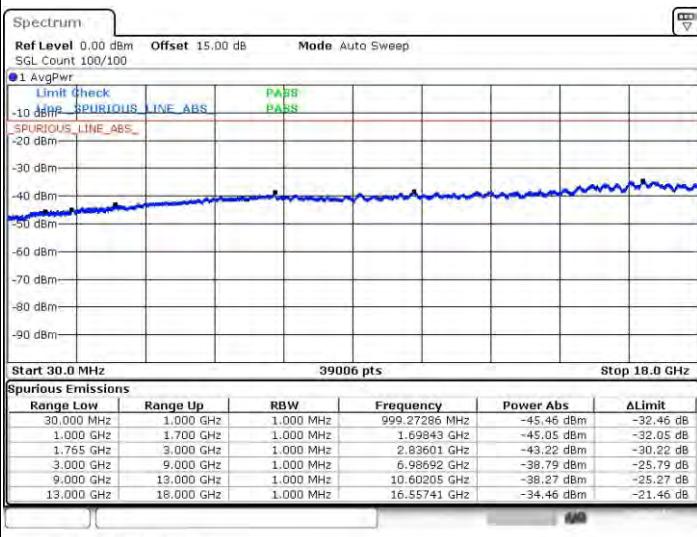
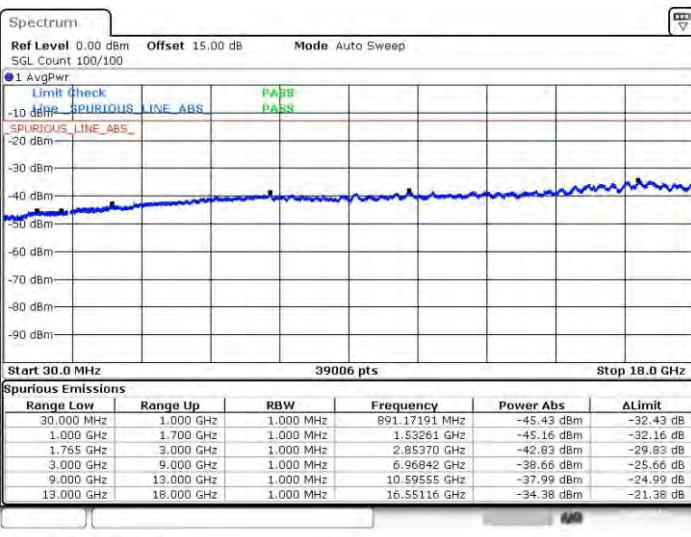
Highest Channel / 16QAM

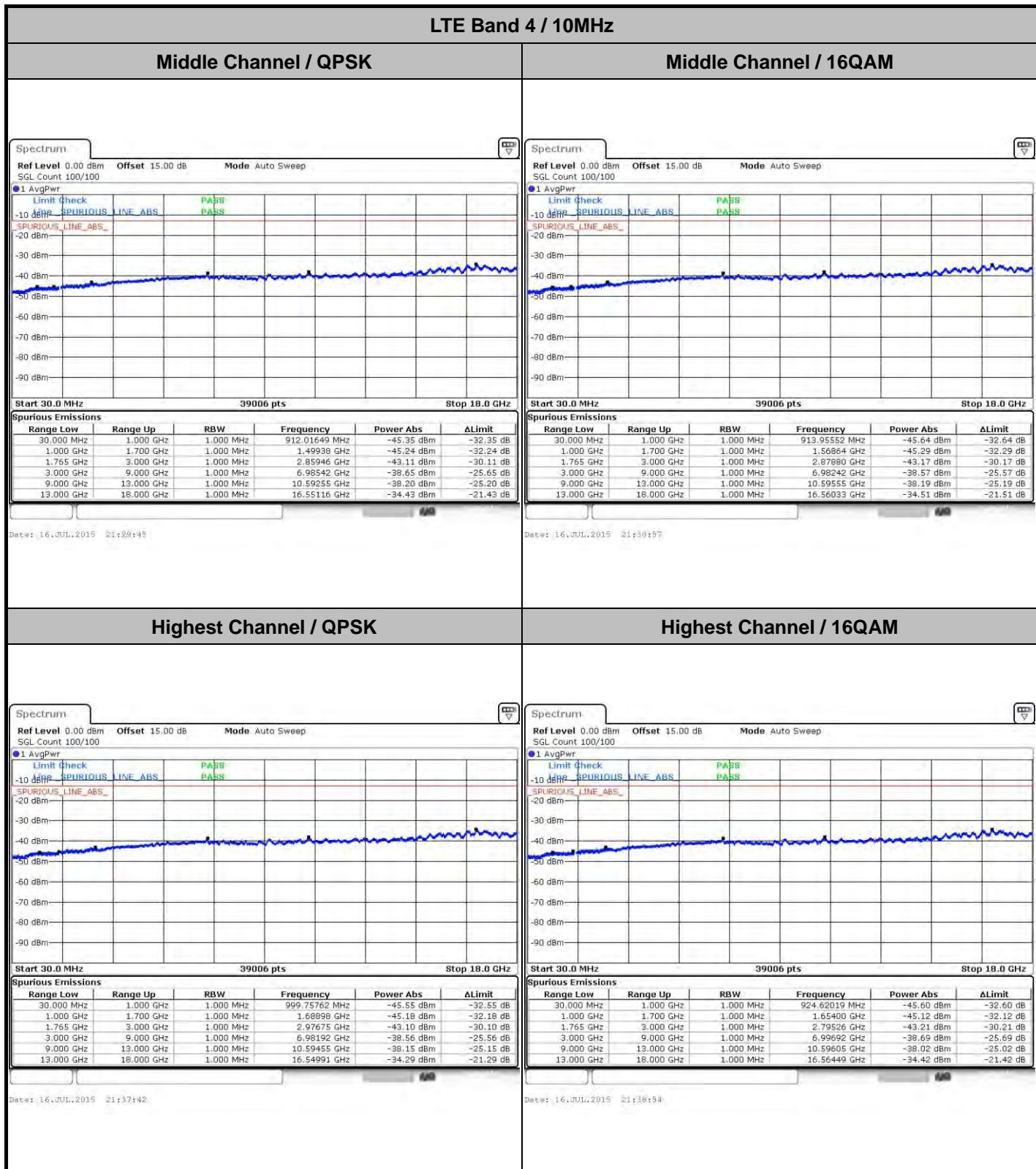


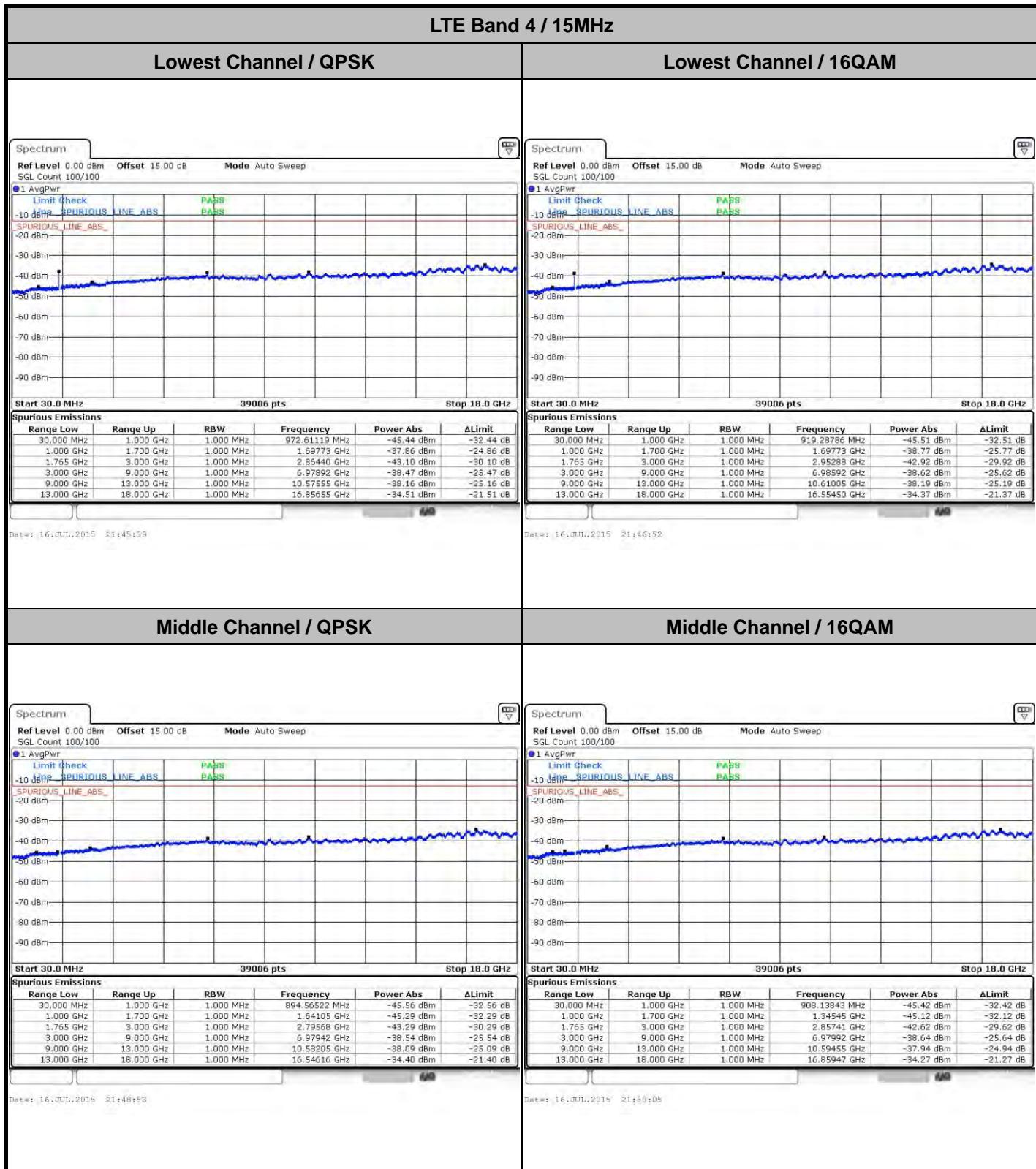
LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





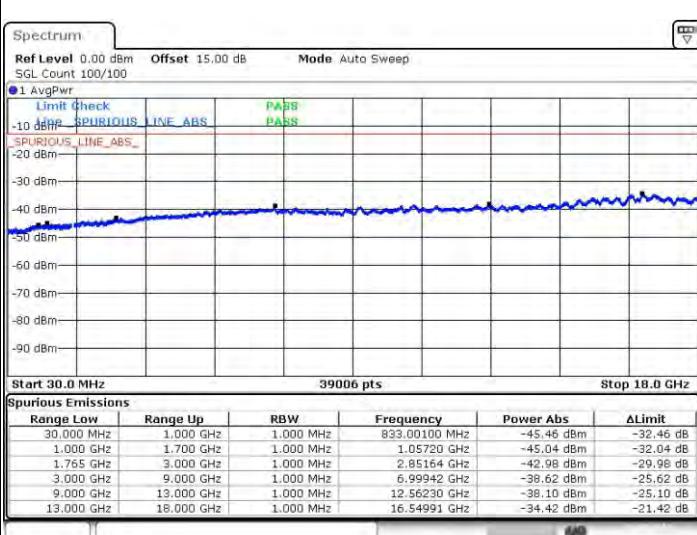
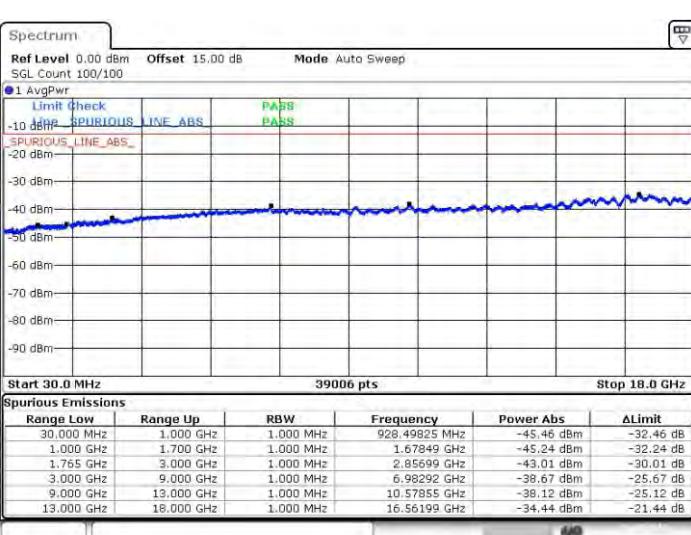




LTE Band 4 / 15MHz

Highest Channel / QPSK

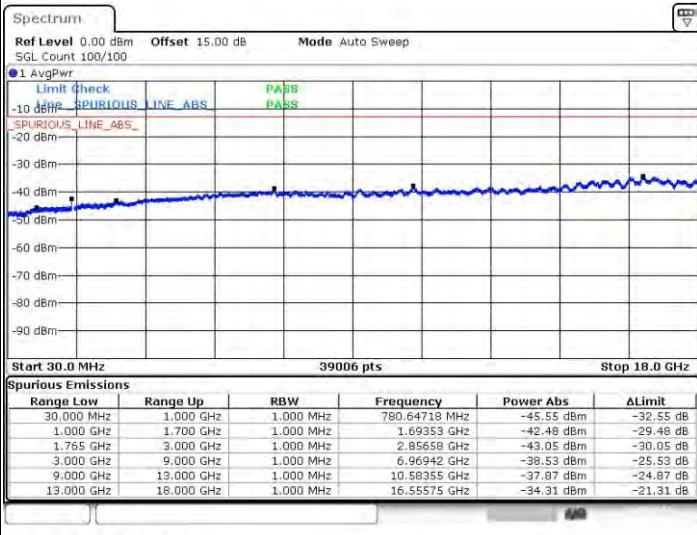
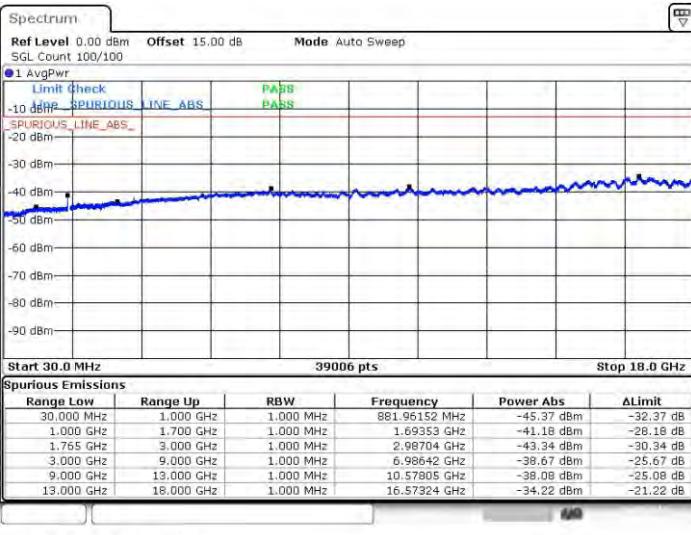
Highest Channel / 16QAM

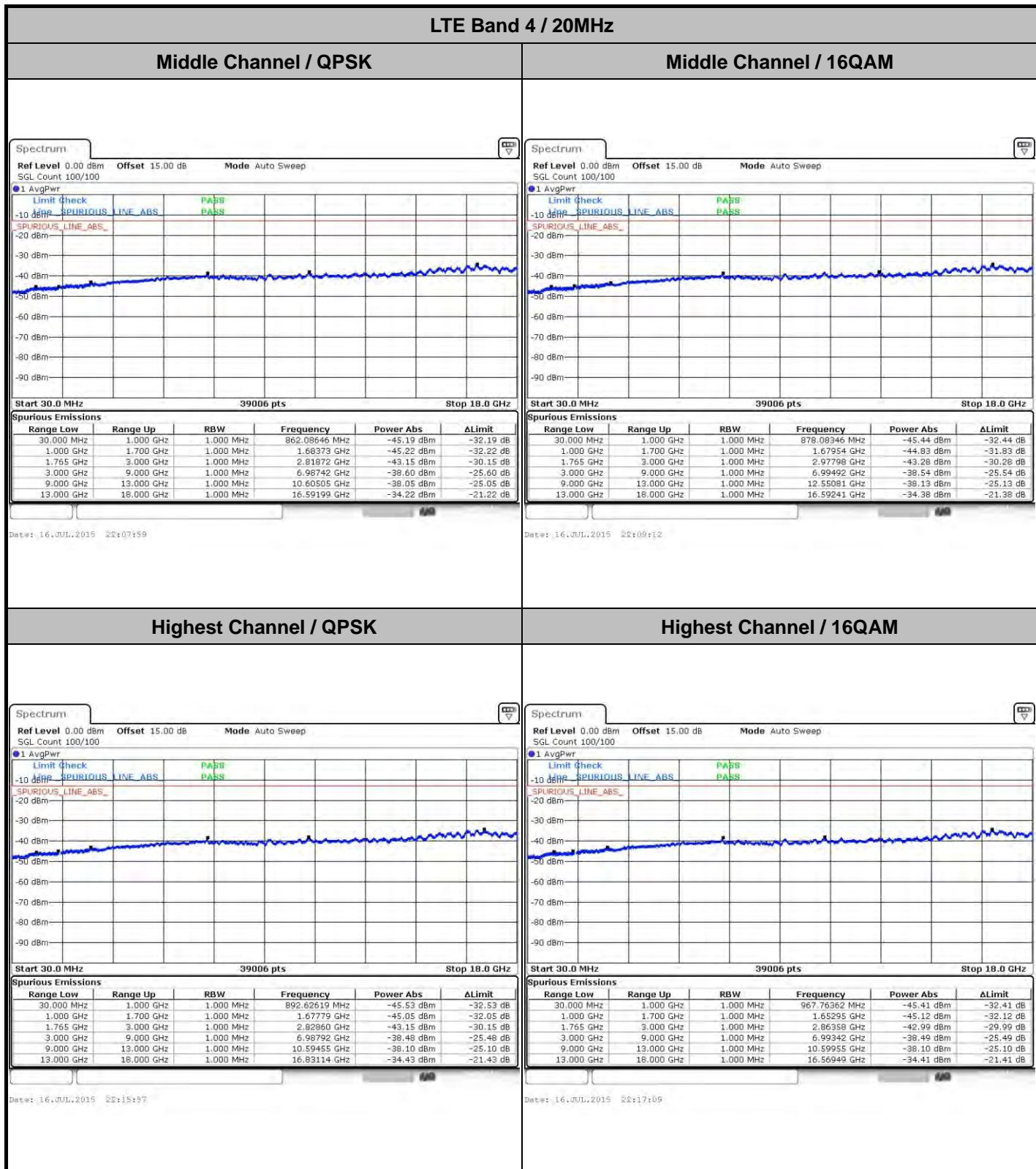


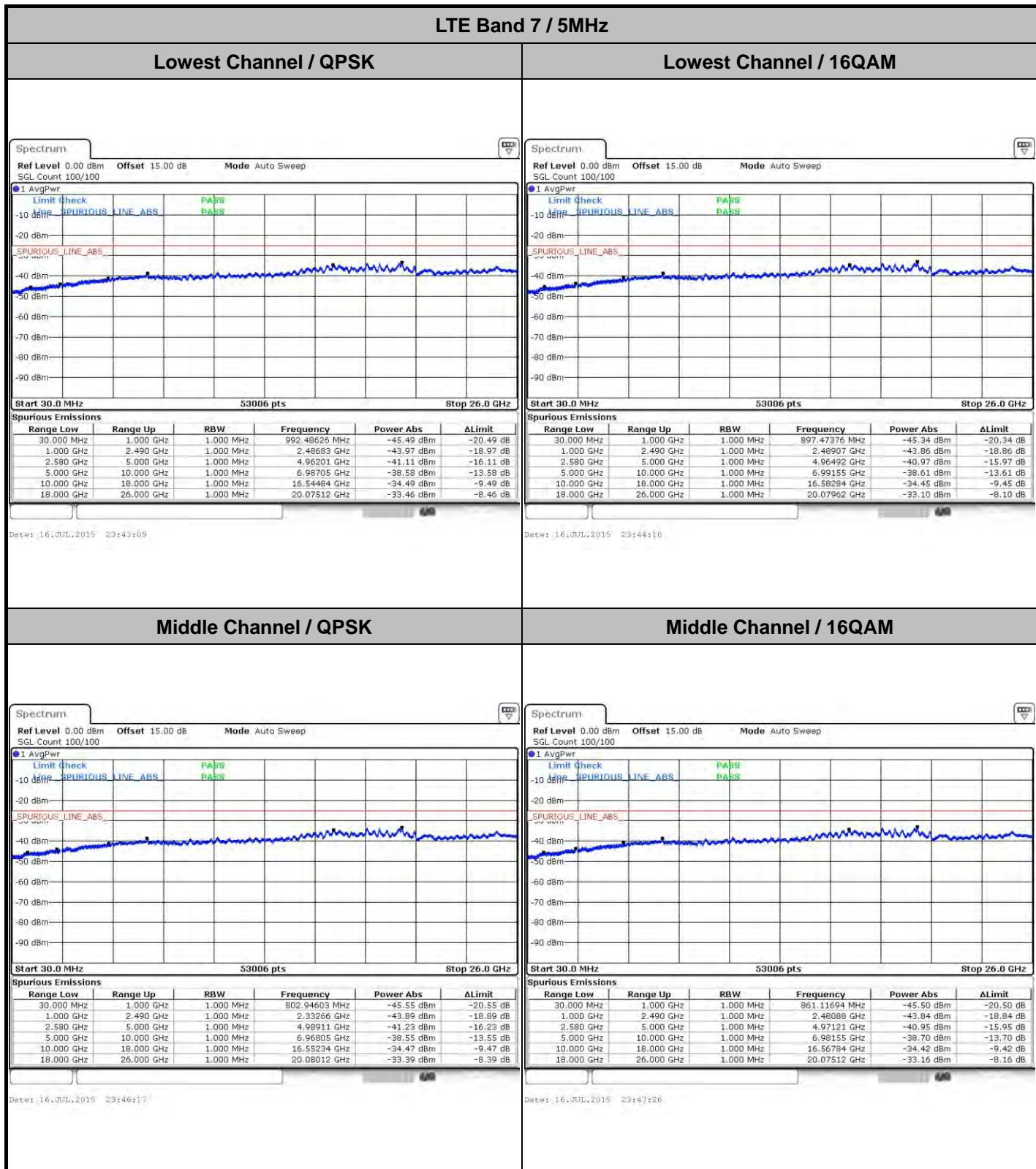
LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





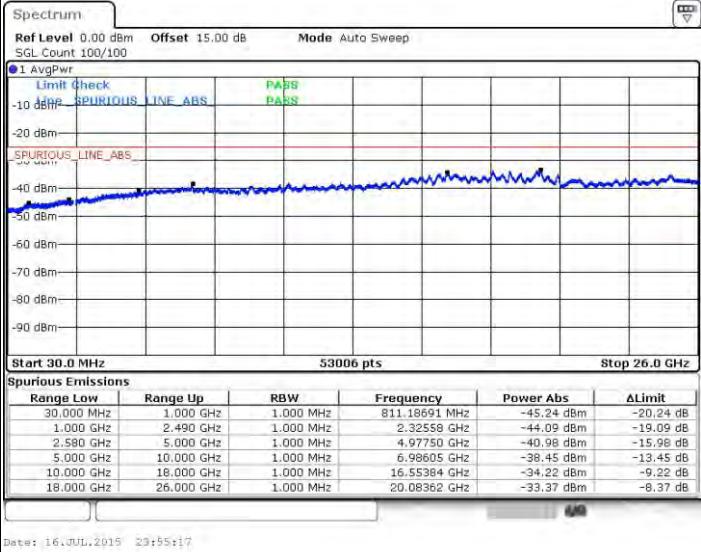
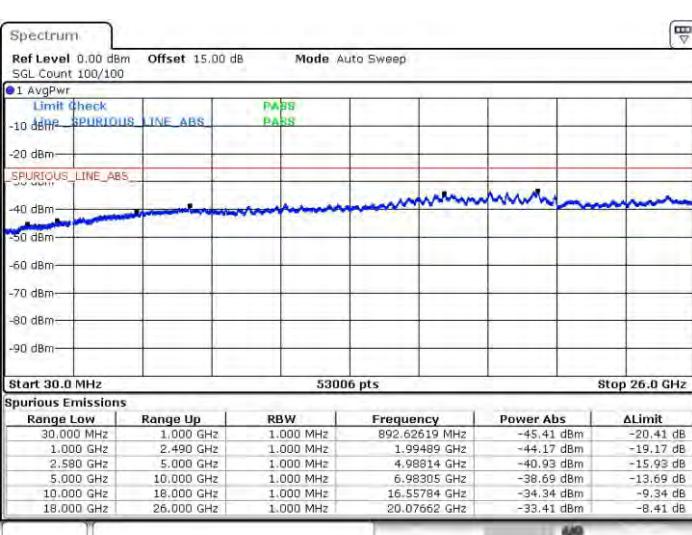




LTE Band 7 / 5MHz

Highest Channel / QPSK

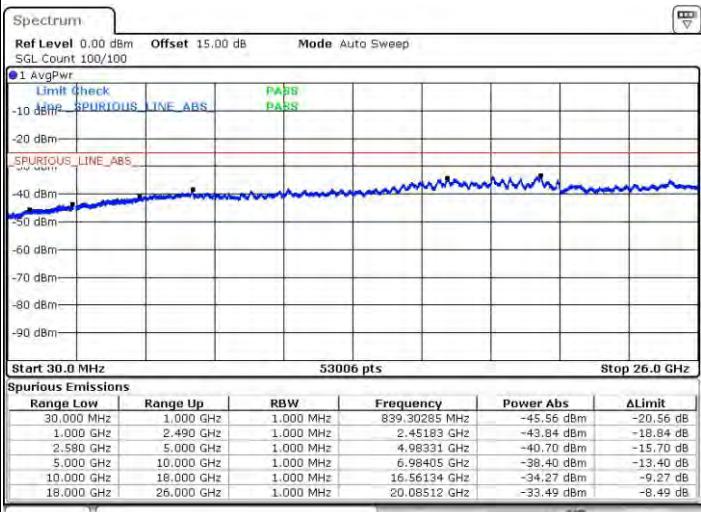
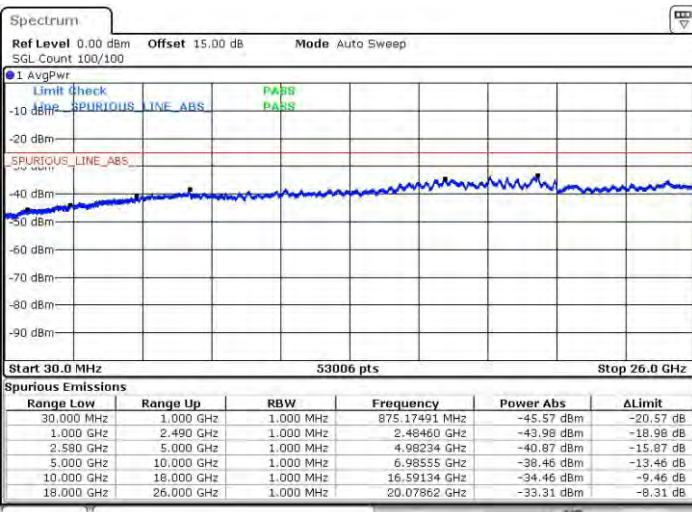
Highest Channel / 16QAM

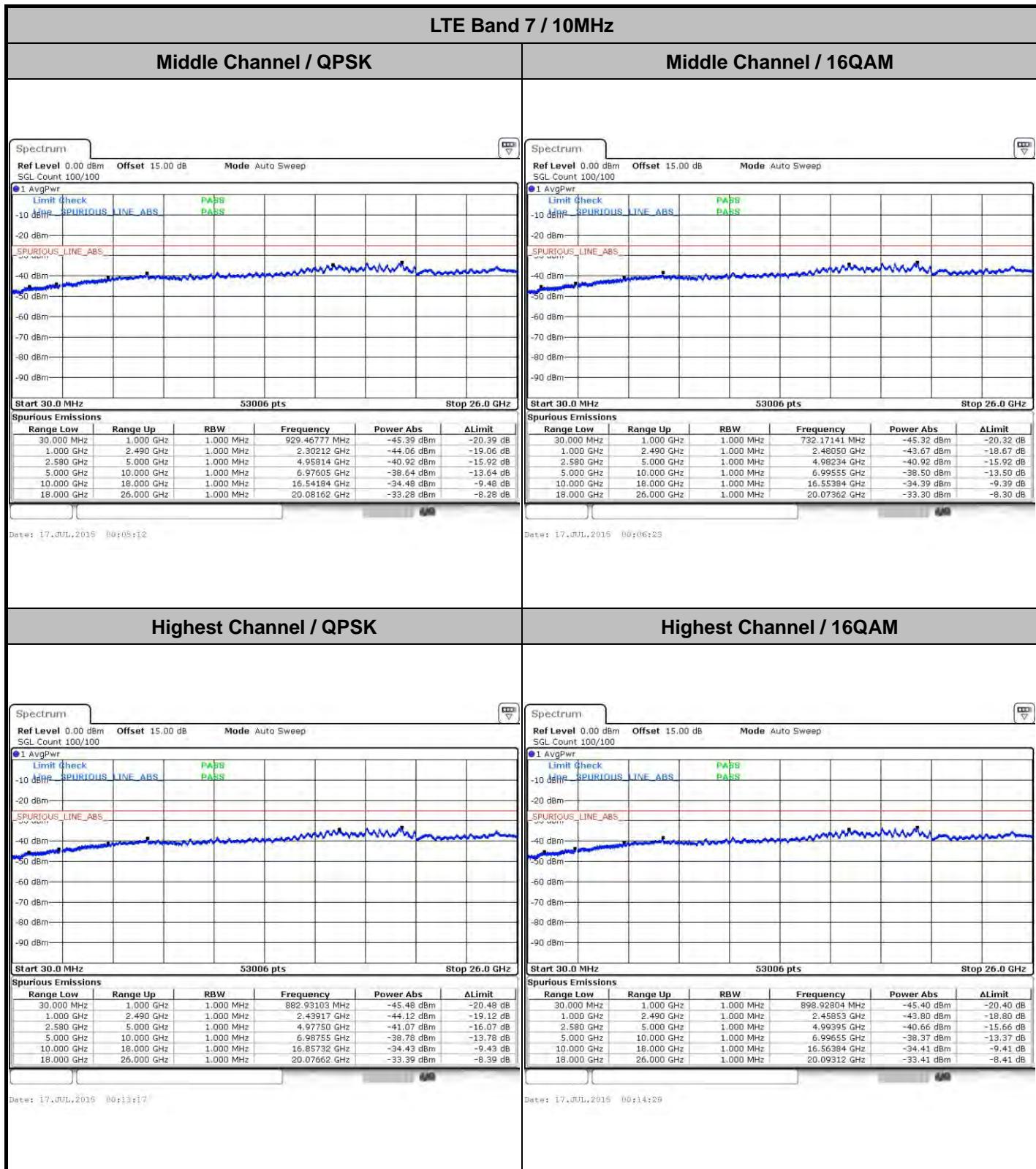


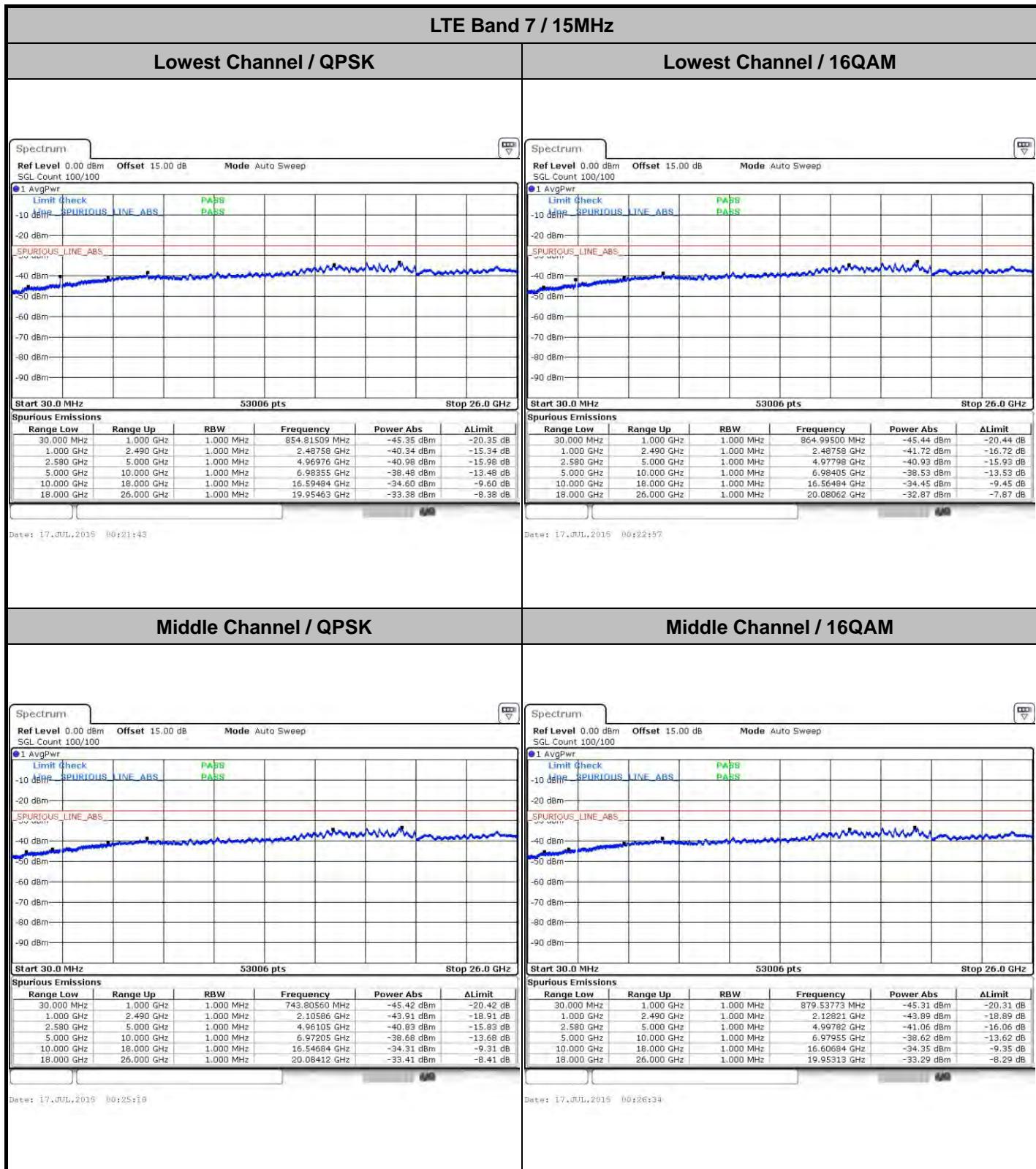
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





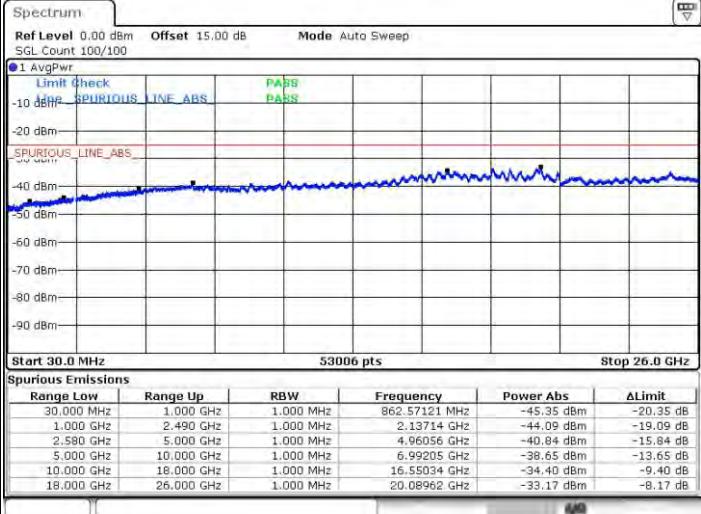
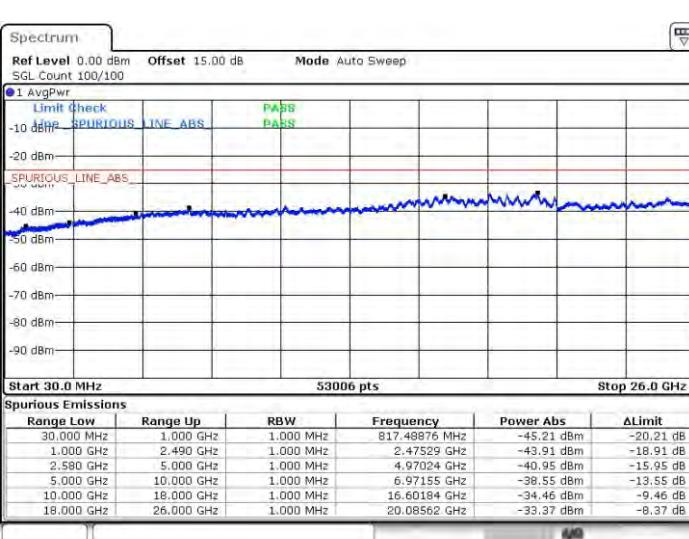




LTE Band7 / 15MHz

Highest Channel / QPSK

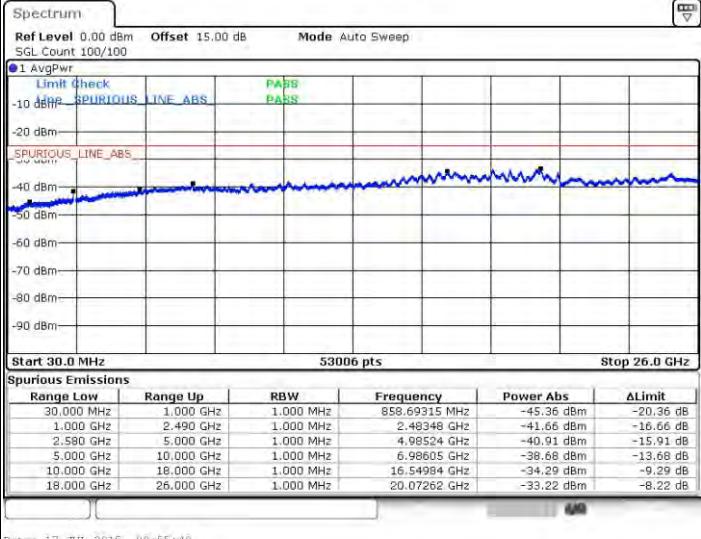
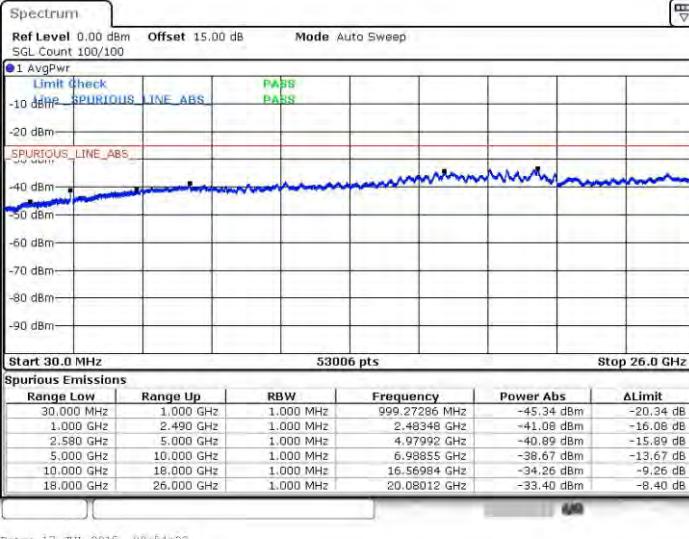
Highest Channel / 16QAM

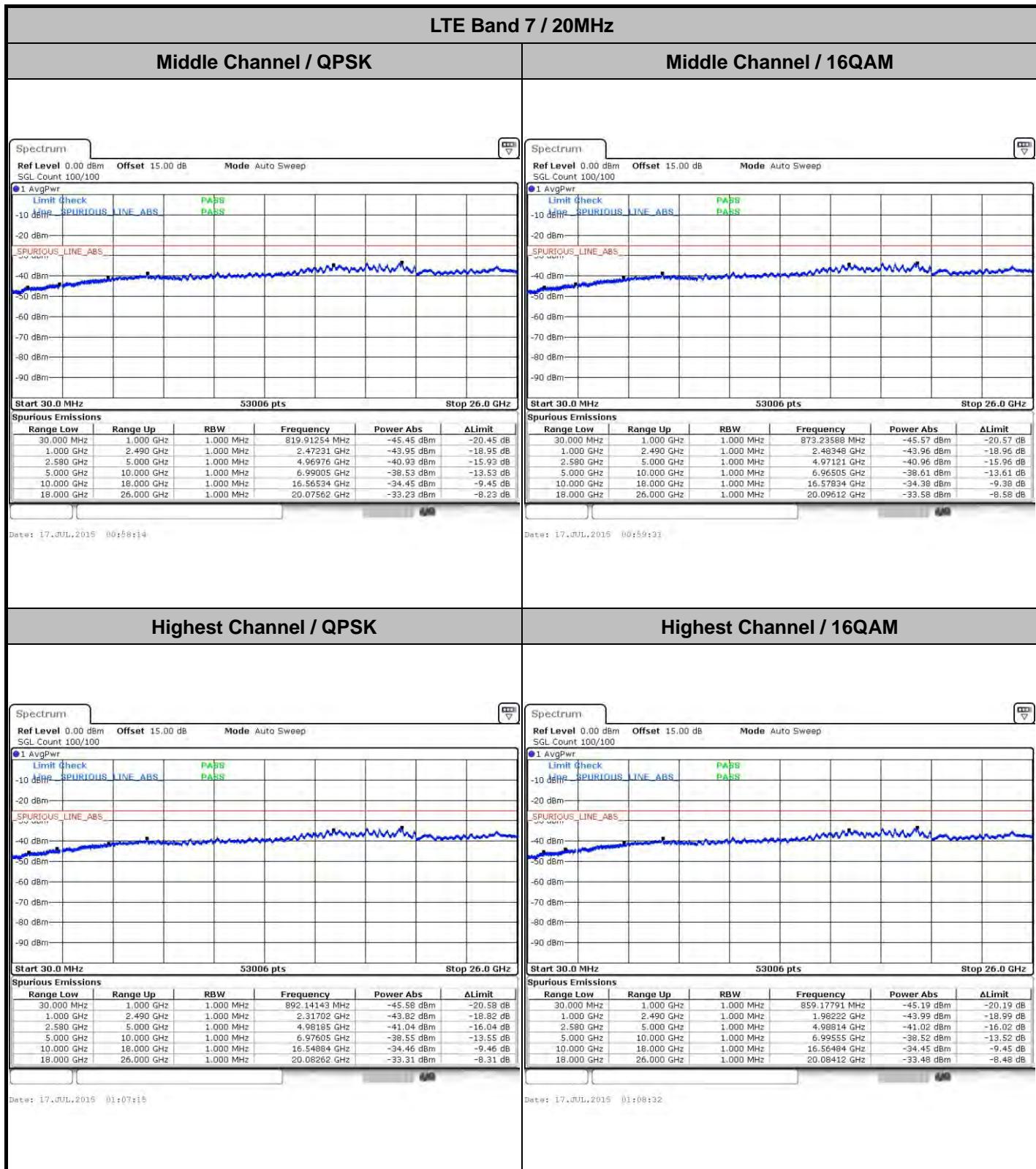


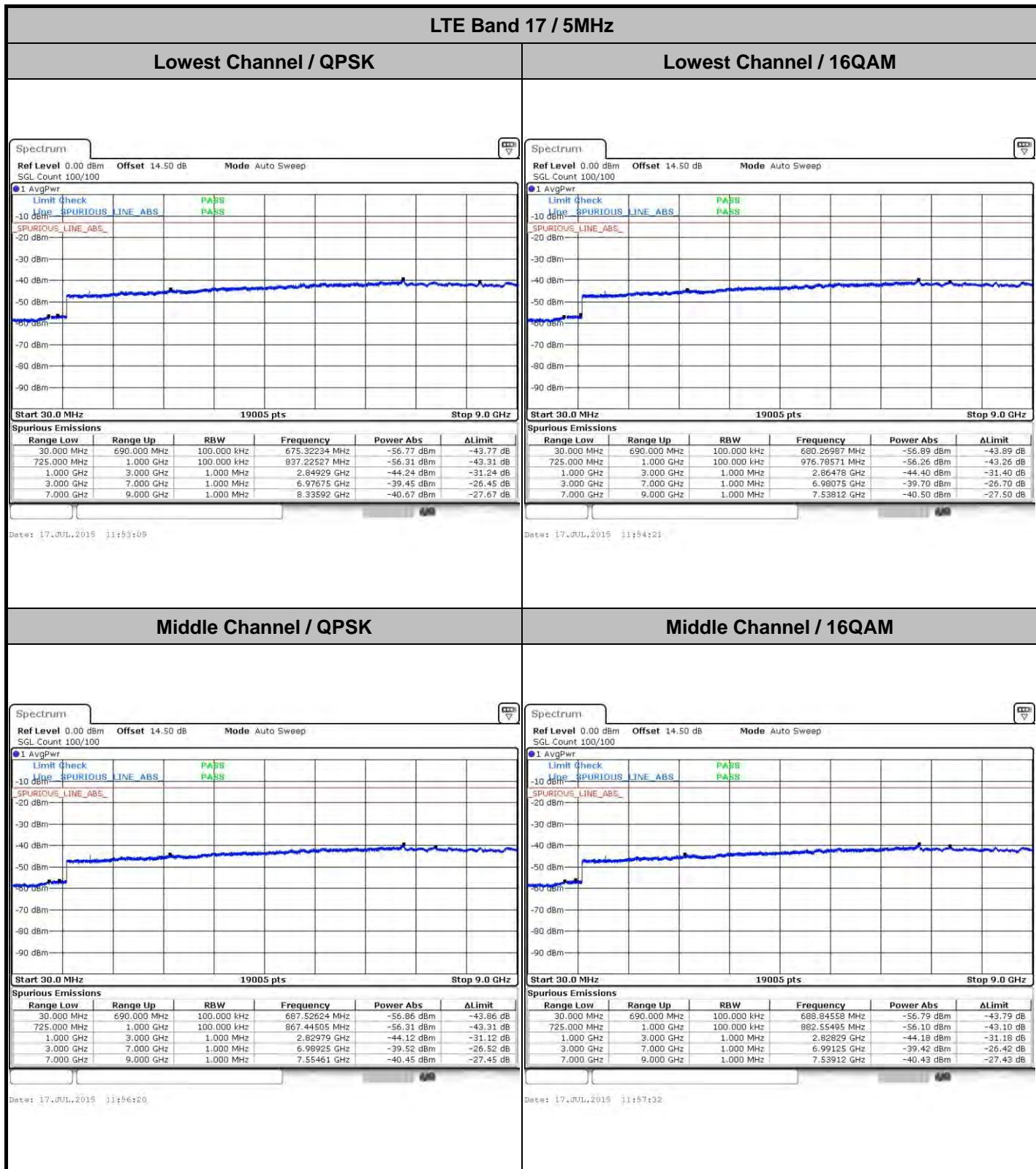
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





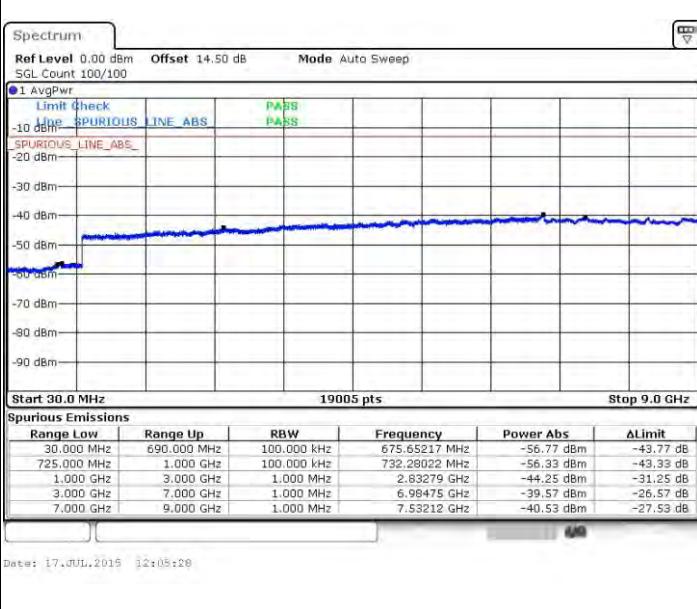
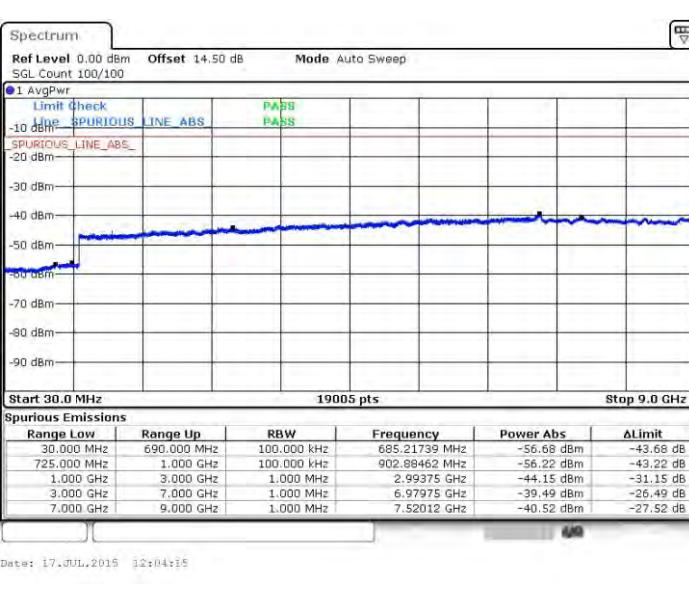




LTE Band 17 / 5MHz

Highest Channel / QPSK

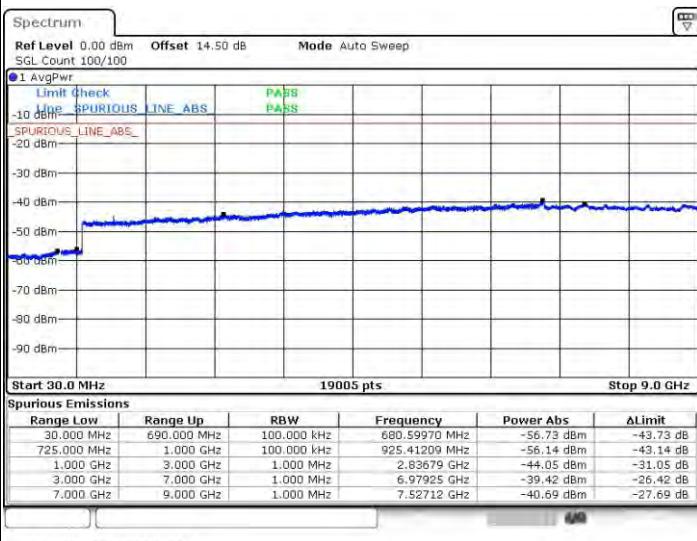
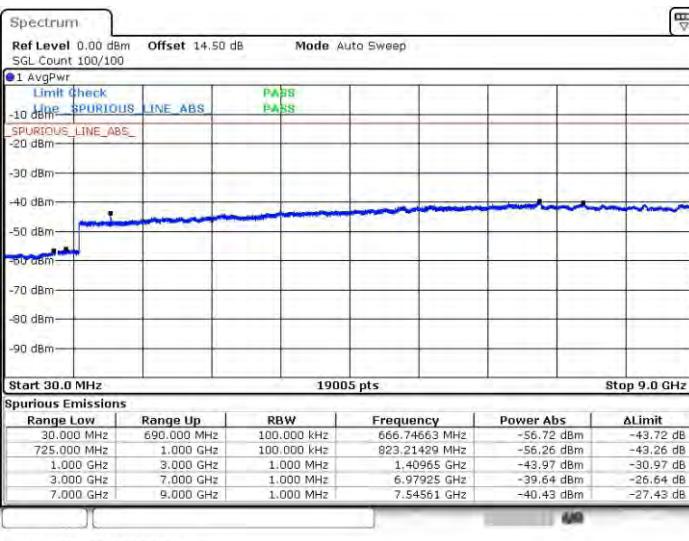
Highest Channel / 16QAM

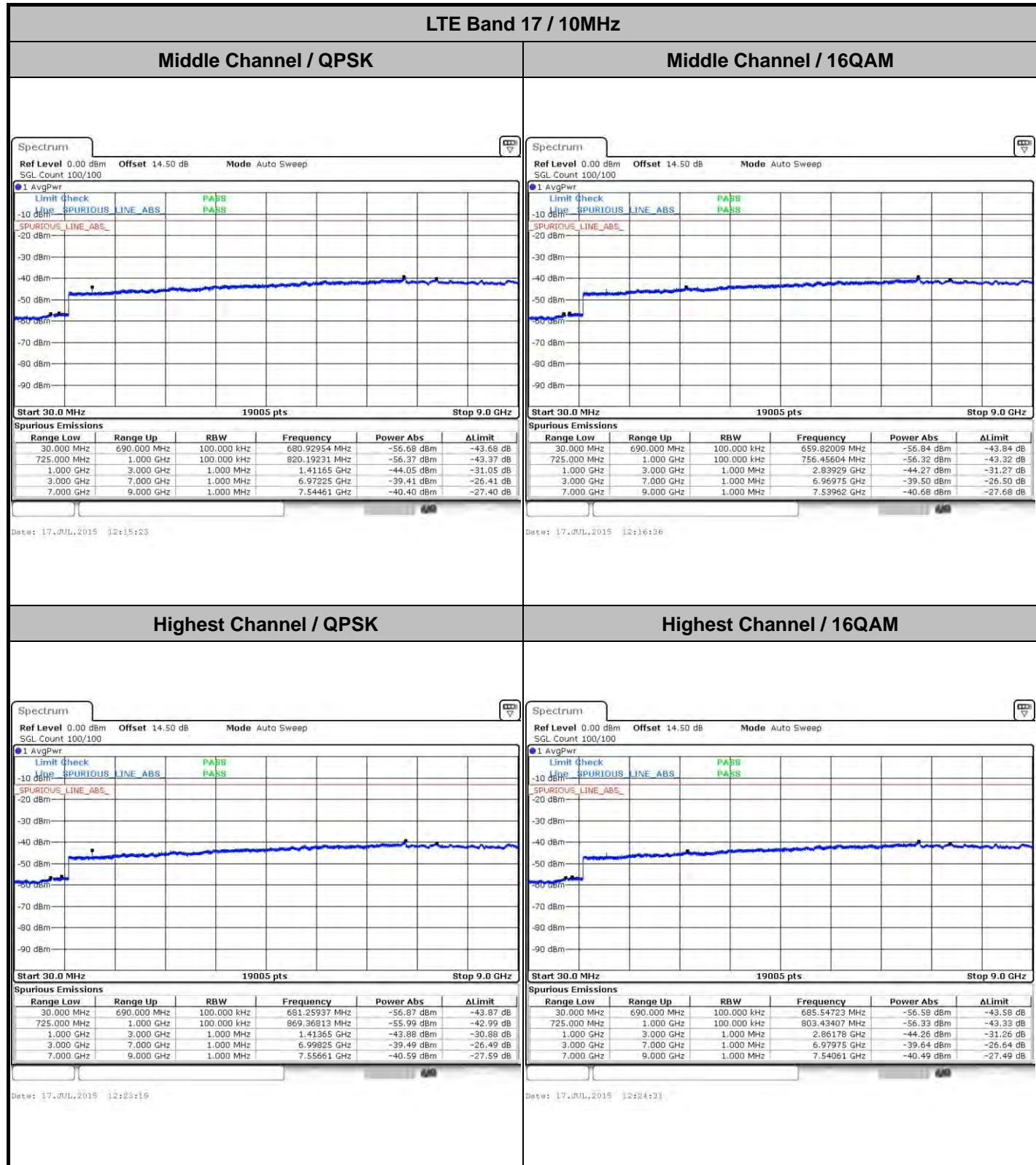


LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0046	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0036	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0042	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.06	0.2023	23.06	0.2023
Middle		3	1	23.82	0.2410	24.02	0.2523
Highest		3	0	24.43	0.2773	24.56	0.2858
Lowest	16QAM	1	2	22.05	0.1603	22.05	0.1603
Middle		1	2	23.07	0.2028	23.28	0.2128
Highest		1	2	23.33	0.2153	23.50	0.2239
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.82	0.1914	22.83	0.1919
Middle		1	0	23.80	0.2399	24.01	0.2518
Highest		1	0	24.46	0.2793	24.60	0.2884
Lowest	16QAM	1	14	22.30	0.1698	22.29	0.1694
Middle		1	14	22.91	0.1954	23.10	0.2042
Highest		1	0	23.40	0.2188	23.56	0.2270
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.90	0.1950	22.90	0.1950
Middle		1	12	23.70	0.2344	23.88	0.2443
Highest		1	12	24.54	0.2844	24.80	0.3020
Lowest	16QAM	1	24	21.83	0.1524	21.81	0.1517
Middle		1	0	23.01	0.2000	23.17	0.2075
Highest		1	0	23.29	0.2133	23.43	0.2203
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.58	0.1811	22.83	0.1919
Middle		1	0	23.64	0.2312	23.90	0.2455
Highest		1	0	24.05	0.2541	24.29	0.2685
Lowest	16QAM	1	0	21.26	0.1337	21.30	0.1349
Middle		1	0	22.70	0.1862	22.79	0.1901
Highest		1	0	23.34	0.2158	23.44	0.2208
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.91	0.1954	23.03	0.2009
Middle		1	0	23.62	0.2301	23.75	0.2371
Highest		1	0	24.18	0.2618	24.49	0.2812
Lowest	16QAM	1	0	21.89	0.1545	21.90	0.1549
Middle		1	74	23.18	0.2080	23.26	0.2118
Highest		1	0	23.31	0.2143	23.38	0.2178
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.70	0.1862	22.74	0.1879
Middle		1	0	23.47	0.2223	23.49	0.2234
Highest		1	0	23.83	0.2415	24.07	0.2553
Lowest	16QAM	1	0	21.96	0.1570	21.99	0.1581
Middle		1	0	22.61	0.1824	22.57	0.1807
Highest		1	0	23.24	0.2109	23.41	0.2193
Limit	EIRP < 1W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.22	0.1667	22.59	0.1816
Middle		1	12	21.09	0.1285	21.28	0.1343
Highest		1	12	19.36	0.0863	20.01	0.1002
Lowest	16QAM	1	0	21.22	0.1324	21.51	0.1416
Middle		1	0	20.24	0.1057	20.39	0.1094
Highest		1	24	18.49	0.0706	18.74	0.0748
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.29	0.1694	22.56	0.1803
Middle		1	0	21.64	0.1459	21.71	0.1483
Highest		1	0	19.41	0.0873	20.06	0.1014
Lowest	16QAM	1	49	20.68	0.1169	21.04	0.1271
Middle		1	0	20.76	0.1191	20.96	0.1247
Highest		1	0	18.91	0.0778	19.28	0.0847
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.27	0.1687	22.52	0.1786
Middle		1	0	21.35	0.1365	21.60	0.1445
Highest		1	0	19.82	0.0959	20.31	0.1074
Lowest	16QAM	1	0	21.35	0.1365	21.87	0.1538
Middle		1	0	20.72	0.1180	21.10	0.1288
Highest		1	74	18.45	0.0700	18.95	0.0785
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.35	0.1718	22.67	0.1849
Middle		1	0	21.62	0.1452	21.92	0.1556
Highest		1	0	20.34	0.1081	20.54	0.1132
Lowest	16QAM	1	0	21.35	0.1365	21.78	0.1507
Middle		1	0	20.56	0.1138	20.87	0.1222
Highest		1	0	19.51	0.0893	19.76	0.0946
Limit	EIRP < 2W			Result		PASS	



LTE Band 17 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	14.09	0.0256	3.85	0.0024
Middle		1	12	14.55	0.0285	4.40	0.0028
Highest		1	24	14.46	0.0279	4.19	0.0026
Lowest	16QAM	1	0	12.95	0.0197	2.07	0.0016
Middle		1	24	13.34	0.0216	2.38	0.0017
Highest		1	0	13.19	0.0208	2.27	0.0017
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	14.14	0.0259	3.84	0.0024
Middle		1	0	14.16	0.0261	3.89	0.0024
Highest		1	0	14.31	0.0270	4.09	0.0026
Lowest	16QAM	1	49	13.37	0.0217	3.38	0.0022
Middle		1	49	13.51	0.0224	3.36	0.0022
Highest		1	0	12.98	0.0199	2.92	0.0020
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

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)
Lowest	3420.32	-40.25	-13	-27.25	-66.88	-52.04	0.81	12.60	H
	5130.48	-44.33	-13	-31.33	-73.85	-56.08	0.95	12.70	H
	6840.64	-45.12	-13	-32.12	-75.52	-55.69	1.13	11.70	H
	3420.32	-42.20	-13	-29.20	-67.24	-53.99	0.81	12.6	V
	5130.48	-48.68	-13	-35.68	-73.21	-60.43	0.95	12.7	V
	6840.64	-43.47	-13	-30.47	-75.28	-54.04	1.13	11.7	V
Middle	3463.74	-40.14	-13	-27.14	-66.77	-51.93	0.81	12.60	H
	5195.61	-43.95	-13	-30.95	-73.47	-55.70	0.95	12.70	H
	6927.48	-45.20	-13	-32.20	-75.60	-55.77	1.13	11.70	H
	3463.74	-42.10	-13	-29.10	-67.21	-53.89	0.81	12.6	V
	5195.61	-49.60	-13	-36.60	-74.13	-61.35	0.95	12.7	V
	6927.48	-43.88	-13	-30.88	-75.69	-54.45	1.13	11.7	V
Highest	3507.52	-40.60	-13	-27.60	-67.23	-52.39	0.81	12.60	H
	5261.28	-44.70	-13	-31.70	-74.22	-56.45	0.95	12.70	H
	7015.04	-45.76	-13	-32.76	-76.16	-56.33	1.13	11.70	H
	3507.52	-42.00	-13	-29.00	-67.18	-53.79	0.81	12.6	V
	5261.28	-50.16	-13	-37.16	-74.69	-61.91	0.95	12.7	V
	7015.04	-43.98	-13	-30.98	-75.79	-54.55	1.13	11.7	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)
Lowest	3420.48	-40.05	-13	-27.05	-66.68	-51.84	0.81	12.60	H
	5130.72	-44.38	-13	-31.38	-73.90	-56.13	0.95	12.70	H
	6840.96	-44.36	-13	-31.36	-74.76	-54.93	1.13	11.70	H
	3420.48	-39.09	-13	-26.09	-65.38	-50.88	0.81	12.6	V
	5130.72	-49.19	-13	-36.19	-73.72	-60.94	0.95	12.7	V
	6840.96	-43.89	-13	-30.89	-75.7	-54.46	1.13	11.7	V
Middle	3462.48	-41.18	-13	-28.18	-67.81	-52.97	0.81	12.60	H
	5193.72	-43.71	-13	-30.71	-73.23	-55.46	0.95	12.70	H
	6924.96	-45.21	-13	-32.21	-75.61	-55.78	1.13	11.70	H
	3462.48	-40.37	-13	-27.37	-66.34	-52.16	0.81	12.6	V
	5193.72	-49.37	-13	-36.37	-73.9	-61.12	0.95	12.7	V
	6924.96	-42.78	-13	-29.78	-74.59	-53.35	1.13	11.7	V
Highest	3504.48	-40.18	-13	-27.18	-66.81	-51.97	0.81	12.60	H
	5256.72	-44.19	-13	-31.19	-73.71	-55.94	0.95	12.70	H
	7008.96	-46.29	-13	-33.29	-76.69	-56.86	1.13	11.70	H
	3504.48	-43.90	-13	-30.90	-67.93	-55.69	0.81	12.6	V
	5256.72	-50.09	-13	-37.09	-74.62	-61.84	0.95	12.7	V
	7008.96	-44.11	-13	-31.11	-75.92	-54.68	1.13	11.7	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)
Lowest	3420.68	-40.31	-13	-27.31	-66.94	-52.10	0.81	12.60	H
	5131.02	-43.73	-13	-30.73	-73.25	-55.48	0.95	12.70	H
	6841.36	-44.09	-13	-31.09	-74.49	-54.66	1.13	11.70	H
	3420.68	-41.90	-13	-28.90	-67.13	-53.69	0.81	12.6	V
	5131.02	-48.42	-13	-35.42	-72.95	-60.17	0.95	12.7	V
	6841.36	-43.79	-13	-30.79	-75.6	-54.36	1.13	11.7	V
Middle	3460.68	-39.26	-13	-26.26	-66.52	-51.05	0.81	12.60	H
	5191.02	-44.14	-13	-31.14	-73.66	-55.89	0.95	12.70	H
	6921.36	-44.84	-13	-31.84	-75.24	-55.41	1.13	11.70	H
	3460.68	-40.01	-13	-27.01	-66.15	-51.80	0.81	12.6	V
	5191.02	-49.08	-13	-36.08	-73.61	-60.83	0.95	12.7	V
	6921.36	-44.09	-13	-31.09	-75.9	-54.66	1.13	11.7	V
Highest	3500.68	-40.20	-13	-27.20	-66.83	-51.99	0.81	12.60	H
	5251.02	-44.52	-13	-31.52	-74.04	-56.27	0.95	12.70	H
	7001.36	-45.58	-13	-32.58	-75.98	-56.15	1.13	11.70	H
	3500.68	-37.94	-13	-24.94	-65.05	-49.73	0.81	12.6	V
	5251.02	-49.22	-13	-36.22	-73.75	-60.97	0.95	12.7	V
	7001.36	-44.78	-13	-31.78	-76.59	-55.35	1.13	11.7	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)
Lowest	3421.18	-37.51	-13	-24.51	-65.79	-49.30	0.81	12.60	H
	5131.77	-43.76	-13	-30.76	-73.28	-55.51	0.95	12.70	H
	6842.36	-44.67	-13	-31.67	-75.07	-55.24	1.13	11.70	H
	3421.18	-41.78	-13	-28.78	-67.07	-53.57	0.81	12.6	V
	5131.77	-48.45	-13	-35.45	-72.98	-60.20	0.95	12.7	V
	6842.36	-43.44	-13	-30.44	-75.25	-54.01	1.13	11.7	V
Middle	3456.18	-40.20	-13	-27.20	-66.83	-51.99	0.81	12.60	H
	5184.27	-44.38	-13	-31.38	-73.90	-56.13	0.95	12.70	H
	6912.36	-45.23	-13	-32.23	-75.63	-55.80	1.13	11.70	H
	3456.18	-39.13	-13	-26.13	-65.41	-50.92	0.81	12.6	V
	5184.27	-49.61	-13	-36.61	-74.14	-61.36	0.95	12.7	V
	6912.36	-44.28	-13	-31.28	-76.09	-54.85	1.13	11.7	V
Highest	3491.18	-33.40	-13	-20.40	-63.38	-45.19	0.81	12.60	H
	5236.77	-43.68	-13	-30.68	-73.20	-55.43	0.95	12.70	H
	6982.36	-45.43	-13	-32.43	-75.83	-56.00	1.13	11.70	H
	3491.18	-38.20	-13	-25.20	-65.14	-49.99	0.81	12.6	V
	5236.77	-48.79	-13	-35.79	-73.32	-60.54	0.95	12.7	V
	6982.36	-44.24	-13	-31.24	-76.05	-54.81	1.13	11.7	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)
Lowest	3421.68	-39.60	-13	-26.60	-66.57	-51.39	0.81	12.60	H
	5132.52	-43.21	-13	-30.21	-72.73	-54.96	0.95	12.70	H
	6843.36	-44.16	-13	-31.16	-74.56	-54.73	1.13	11.70	H
	3421.68	-43.34	-13	-30.34	-67.65	-55.13	0.81	12.6	V
	5132.52	-48.55	-13	-35.55	-73.08	-60.30	0.95	12.7	V
	6843.36	-42.48	-13	-29.48	-74.29	-53.05	1.13	11.7	V
Middle	3451.68	-41.26	-13	-28.26	-67.89	-53.05	0.81	12.60	H
	5177.52	-42.86	-13	-29.86	-72.38	-54.61	0.95	12.70	H
	6903.36	-44.64	-13	-31.64	-75.04	-55.21	1.13	11.70	H
	3451.68	-41.31	-13	-28.31	-66.83	-53.10	0.81	12.6	V
	5177.52	-48.06	-13	-35.06	-72.59	-59.81	0.95	12.7	V
	6903.36	-43.05	-13	-30.05	-74.86	-53.62	1.13	11.7	V
Highest	3481.68	-31.75	-13	-18.75	-62.18	-43.54	0.81	12.60	H
	5222.52	-43.73	-13	-30.73	-73.25	-55.48	0.95	12.70	H
	6963.36	-45.37	-13	-32.37	-75.77	-55.94	1.13	11.70	H
	3481.68	-37.25	-13	-24.25	-64.44	-49.04	0.81	12.6	V
	5222.52	-48.33	-13	-35.33	-72.86	-60.08	0.95	12.7	V
	6963.36	-42.98	-13	-29.98	-74.79	-53.55	1.13	11.7	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)
Lowest	3422.18	-42.58	-13	-29.58	-69.21	-54.37	0.81	12.60	H
	5133.27	-44.25	-13	-31.25	-73.77	-56.00	0.95	12.70	H
	6844.36	-45.01	-13	-32.01	-75.41	-55.58	1.13	11.70	H
	3422.18	-47.00	-13	-34.00	-68.93	-58.79	0.81	12.6	V
	5133.27	-49.13	-13	-36.13	-73.66	-60.88	0.95	12.7	V
	6844.36	-42.46	-13	-29.46	-74.27	-53.03	1.13	11.7	V
Middle	3447.18	-43.27	-13	-30.27	-69.90	-55.06	0.81	12.60	H
	5170.77	-43.68	-13	-30.68	-73.20	-55.43	0.95	12.70	H
	6894.36	-45.29	-13	-32.29	-75.69	-55.86	1.13	11.70	H
	3447.18	-47.21	-13	-34.21	-69.49	-59.00	0.81	12.6	V
	5170.77	-49.42	-13	-36.42	-73.95	-61.17	0.95	12.7	V
	6894.36	-42.97	-13	-29.97	-74.78	-53.54	1.13	11.7	V
Highest	3472.18	-41.67	-13	-28.67	-68.30	-53.46	0.81	12.60	H
	5208.27	-44.15	-13	-31.15	-73.67	-55.90	0.95	12.70	H
	6944.36	-45.04	-13	-32.04	-75.44	-55.61	1.13	11.70	H
	3472.18	-46.56	-13	-33.56	-69.02	-58.35	0.81	12.6	V
	5208.27	-48.80	-13	-35.80	-73.33	-60.55	0.95	12.7	V
	6944.36	-43.93	-13	-30.93	-75.74	-54.50	1.13	11.7	V

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



LTE Band 7 / 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)
Lowest	5000.68	-32.63	-25	-7.63	-50.29	-44.38	0.95	12.70	H
	7501.02	-33.67	-25	-8.67	-54.90	-43.91	1.46	11.70	H
	10001.36	-27.94	-25	-2.94	-54.64	-38.73	1.31	12.10	H
	5000.68	-36.25	-25	-11.25	-53.94	-48.00	0.95	12.70	V
	7501.02	-34.31	-25	-9.31	-55.21	-44.55	1.46	11.70	V
	10001.36	-34.08	-25	-9.08	-58.62	-44.87	1.31	12.10	V
Middle	5065.68	-33.36	-25	-8.36	-50.91	-45.11	0.95	12.70	H
	7598.52	-32.68	-25	-7.68	-54.23	-42.92	1.46	11.70	H
	10131.36	-35.91	-25	-10.91	-61.09	-46.70	1.31	12.10	H
	5065.68	-35.67	-25	-10.67	-53.47	-47.42	0.95	12.70	V
	7598.52	-33.58	-25	-8.58	-54.65	-43.82	1.46	11.70	V
	10131.36	-40.63	-25	-15.63	-63.49	-51.4156	1.31	12.10	V
Highest	5130.68	-25.02	-25	-0.02	-52.25	-36.77	0.95	12.70	H
	7696.02	-30.16	-25	-5.16	-52.14	-40.40	1.46	11.70	H
	10261.36	-37.41	-25	-12.41	-62.59	-48.20	1.31	12.10	H
	5130.68	-26.97	-25	-1.97	-53.33	-38.72	0.95	12.70	V
	7696.02	-34.69	-25	-9.69	-55.51	-44.93	1.46	11.70	V
	10261.36	-41.34	-25	-16.34	-64.2	-52.1256	1.31	12.10	V

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



LTE Band 7 / 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)
Lowest	5001.18	-32.50	-25	-7.50	-50.16	-44.25	0.95	12.70	H
	7501.77	-33.47	-25	-8.47	-54.78	-43.71	1.46	11.70	H
	10002.36	-27.60	-25	-2.60	-54.40	-38.39	1.31	12.10	H
	5001.18	-35.94	-25	-10.94	-53.75	-47.69	0.95	12.70	V
	7501.77	-34.60	-25	-9.60	-55.44	-44.84	1.46	11.70	V
	10002.36	-33.39	-25	-8.39	-58.05	-44.18	1.31	12.10	V
Middle	5061.18	-33.36	-25	-8.36	-50.91	-45.11	0.95	12.70	H
	7591.77	-33.28	-25	-8.28	-54.67	-43.52	1.46	11.70	H
	10122.36	-32.21	-25	-7.21	-57.67	-43.00	1.31	12.10	H
	5061.18	-34.78	-25	-9.78	-52.6	-46.53	0.95	12.70	V
	7591.77	-31.76	-25	-6.76	-53.3	-42.00	1.46	11.70	V
	10122.36	-36.71	-25	-11.71	-59.75	-47.50	1.31	12.10	V
Highest	5121.18	-34.15	-25	-9.15	-51.48	-45.90	0.95	12.70	H
	7681.77	-31.59	-25	-6.59	-53.29	-41.83	1.46	11.70	H
	10242.36	-37.04	-25	-12.04	-62.22	-47.83	1.31	12.10	H
	5121.18	-35.32	-25	-10.32	-53.11	-47.07	0.95	12.70	V
	7681.77	-30.00	-25	-5.00	-51.89	-40.2356	1.46	11.70	V
	10242.36	-42.01	-25	-17.01	-64.87	-52.7956	1.31	12.10	V

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



LTE Band 7 / 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)
Lowest	5001.68	-32.50	-25	-7.50	-50.16	-44.25	0.95	12.70	H
	7502.52	-29.93	-25	-4.93	-51.96	-40.45	1.18	11.70	H
	10003.36	-25.78	-25	-0.78	-51.99	-36.43	1.45	12.10	H
	5001.68	-34.31	-25	-9.31	-52.2	-46.06	0.95	12.70	V
	7502.52	-32.44	-25	-7.44	-53.78	-42.96	1.18	11.70	V
	10003.36	-33.32	-25	-8.32	-57.99	-43.97	1.45	12.10	V
Middle	5056.68	-33.08	-25	-8.08	-50.70	-44.83	0.95	12.70	H
	7585.02	-32.53	-25	-7.53	-54.10	-42.77	1.46	11.70	H
	10113.00	-36.14	-25	-11.14	-61.32	-46.93	1.31	12.10	H
	5056.68	-35.66	-25	-10.66	-53.46	-47.41	0.95	12.70	V
	7585.02	-33.46	-25	-8.46	-54.56	-43.70	1.46	11.70	V
	10113	-41.66	-25	-16.66	-64.52	-52.4456	1.31	12.10	V
Highest	5111.68	-33.73	-25	-8.73	-51.18	-45.48	0.95	12.70	H
	7667.52	-31.37	-25	-6.37	-53.10	-41.61	1.46	11.70	H
	10223.36	-39.58	-25	-14.58	-64.76	-50.37	1.31	12.10	H
	5111.68	-34.71	-25	-9.71	-52.54	-46.46	0.95	12.70	V
	7667.52	-35.04	-25	-10.04	-55.79	-45.28	1.46	11.70	V
	10223.36	-41.91	-25	-16.91	-64.77	-52.70	1.31	12.10	V

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



LTE Band 7 / 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)
Lowest	5002.18	-32.66	-25	-7.66	-50.32	-44.41	0.95	12.70	H
	7503.27	-32.31	-25	-7.31	-53.91	-42.55	1.46	11.70	H
	10004.36	-29.11	-25	-4.11	-55.65	-39.90	1.31	12.10	H
	5002.18	-36.37	-25	-11.37	-54	-48.12	0.95	12.70	V
	7503.27	-33.67	-25	-8.67	-54.72	-43.91	1.46	11.70	V
	10004.36	-33.85	-25	-8.85	-58.45	-44.64	1.31	12.10	V
Middle	5052.18	-33.55	-25	-8.55	-51.05	-45.30	0.95	12.70	H
	7578.27	-31.62	-25	-6.62	-53.31	-41.86	1.46	11.70	H
	10104.36	-35.93	-25	-10.93	-61.11	-46.72	1.31	12.10	H
	5052.18	-35.55	-25	-10.55	-53.35	-47.30	0.95	12.70	V
	7578.27	-33.06	-25	-8.06	-54.27	-43.30	1.46	11.70	V
	10104.36	-40.94	-25	-15.94	-63.8	-51.73	1.31	12.10	V
Highest	5102.18	-35.75	-25	-10.75	-52.65	-47.50	0.95	12.70	H
	7653.27	-34.00	-25	-9.00	-55.09	-44.24	1.46	11.70	H
	10204.36	-37.46	-25	-12.46	-62.64	-48.25	1.31	12.10	H
	5102.18	-37.34	-25	-12.34	-54.63	-49.09	0.95	12.70	V
	7653.27	-34.88	-25	-9.88	-55.66	-45.12	1.46	11.70	V
	10204.36	-40.04	-25	-15.04	-62.9	-50.83	1.31	12.10	V

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



LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1408.68	-55.26	-13	-42.26	-58.34	-58.19	0.78	5.86	H
	2113.02	-57.06	-13	-44.06	-61.58	-59.66	1	5.75	H
	2817.36	-57.91	-13	-44.91	-64.99	-62.21	1.05	7.50	H
	1408.68	-56.20	-13	-43.20	-58.50	-59.13	0.78	5.86	V
	2113.02	-58.65	-13	-45.65	-62.54	-61.25	1.00	5.75	V
	2817.36	-57.15	-13	-44.15	-64.48	-61.45	1.05	7.50	V
Middle	1415.68	-56.20	-13	-43.20	-59.28	-59.13	0.78	5.86	H
	2123.58	-59.08	-13	-46.08	-63.60	-61.68	1	5.75	H
	2831.36	-57.17	-13	-44.17	-64.25	-61.47	1.05	7.50	H
	1415.68	-56.41	-13	-43.41	-58.71	-59.34	0.78	5.86	V
	2123.58	-58.56	-13	-45.56	-62.45	-61.16	1.00	5.75	V
	2831.36	-56.86	-13	-43.86	-64.19	-61.16	1.05	7.50	V
Highest	1422.68	-57.45	-13	-44.45	-60.53	-60.38	0.78	5.86	H
	2134.02	-59.07	-13	-46.07	-63.59	-61.67	1	5.75	H
	2845.36	-58.10	-13	-45.10	-65.18	-62.40	1.05	7.50	H
	1422.68	-58.34	-13	-45.34	-60.64	-61.27	0.78	5.86	V
	2134.02	-59.19	-13	-46.19	-63.08	-61.79	1.00	5.75	V
	2845.36	-56.65	-13	-43.65	-63.98	-60.95	1.05	7.50	V

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



LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1409.18	-55.91	-13	-42.91	-58.99	-58.84	0.78	5.86	H
	2113.77	-58.44	-13	-45.44	-62.96	-61.04	1.00	5.75	H
	2818.36	-57.92	-13	-44.92	-65.00	-62.22	1.05	7.50	H
	1409.18	-55.77	-13	-42.77	-58.07	-58.70	0.78	5.86	V
	2113.77	-58.17	-13	-45.17	-62.06	-60.77	1.00	5.75	V
	2818.36	-57.65	-13	-44.65	-64.98	-61.95	1.05	7.50	V
Middle	1411.18	-55.88	-13	-42.88	-58.96	-58.81	0.78	5.86	H
	2116.77	-58.97	-13	-45.97	-63.49	-61.57	1.00	5.75	H
	2822.36	-57.41	-13	-44.41	-64.49	-61.71	1.05	7.50	H
	1411.18	-55.93	-13	-42.93	-58.23	-58.86	0.78	5.86	V
	2116.77	-59.18	-13	-46.18	-63.07	-61.78	1.00	5.75	V
	2822.36	-57.35	-13	-44.35	-64.68	-61.65	1.05	7.50	V
Highest	1413.18	-55.97	-13	-42.97	-59.05	-58.90	0.78	5.86	H
	2119.77	-59.11	-13	-46.11	-63.63	-61.71	1.00	5.75	H
	2826.36	-57.27	-13	-44.27	-64.35	-61.57	1.05	7.50	H
	1413.18	-55.80	-13	-42.80	-58.10	-58.73	0.78	5.86	V
	2119.77	-59.36	-13	-46.36	-63.25	-61.96	1.00	5.75	V
	2826.36	-57.92	-13	-44.92	-65.25	-62.22	1.05	7.50	V

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