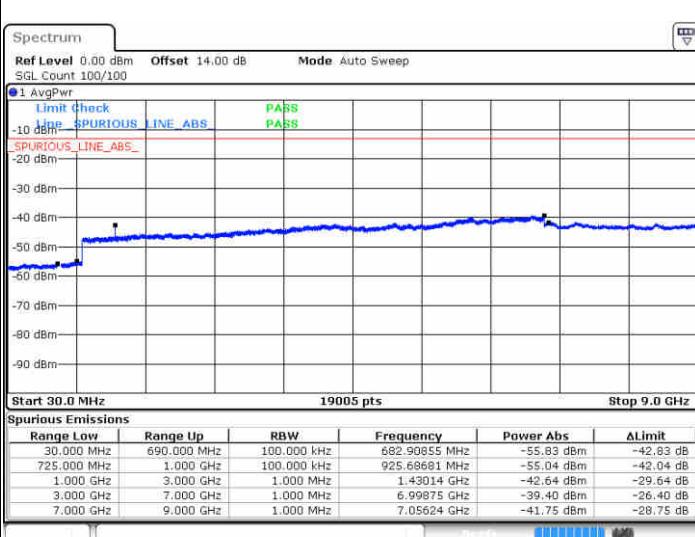
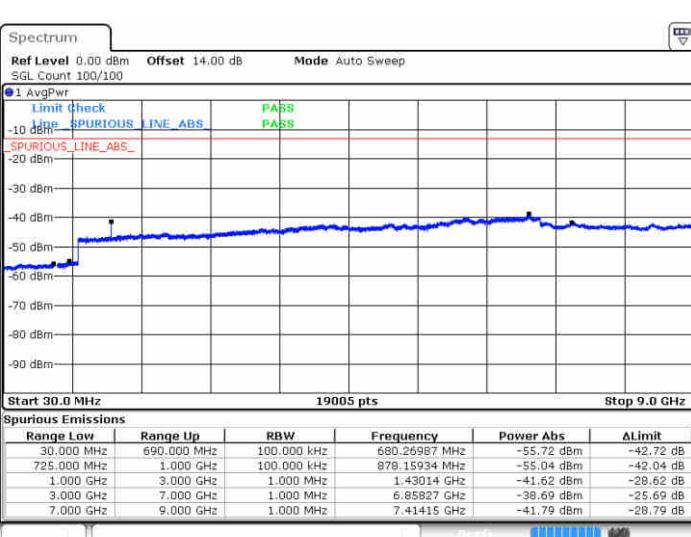




LTE Band 12 / 1.4MHz

Highest Channel / QPSK

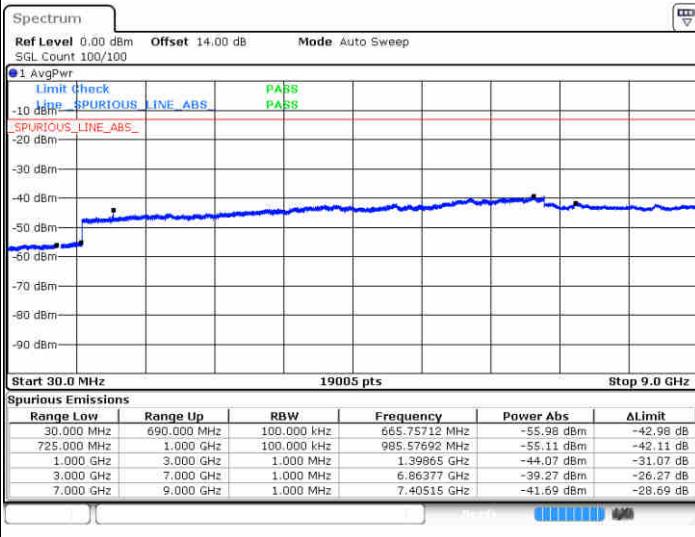
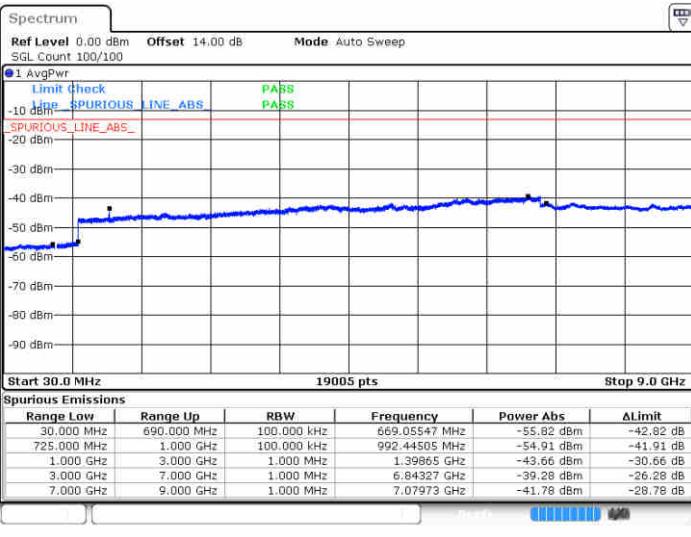
Highest Channel / 16QAM

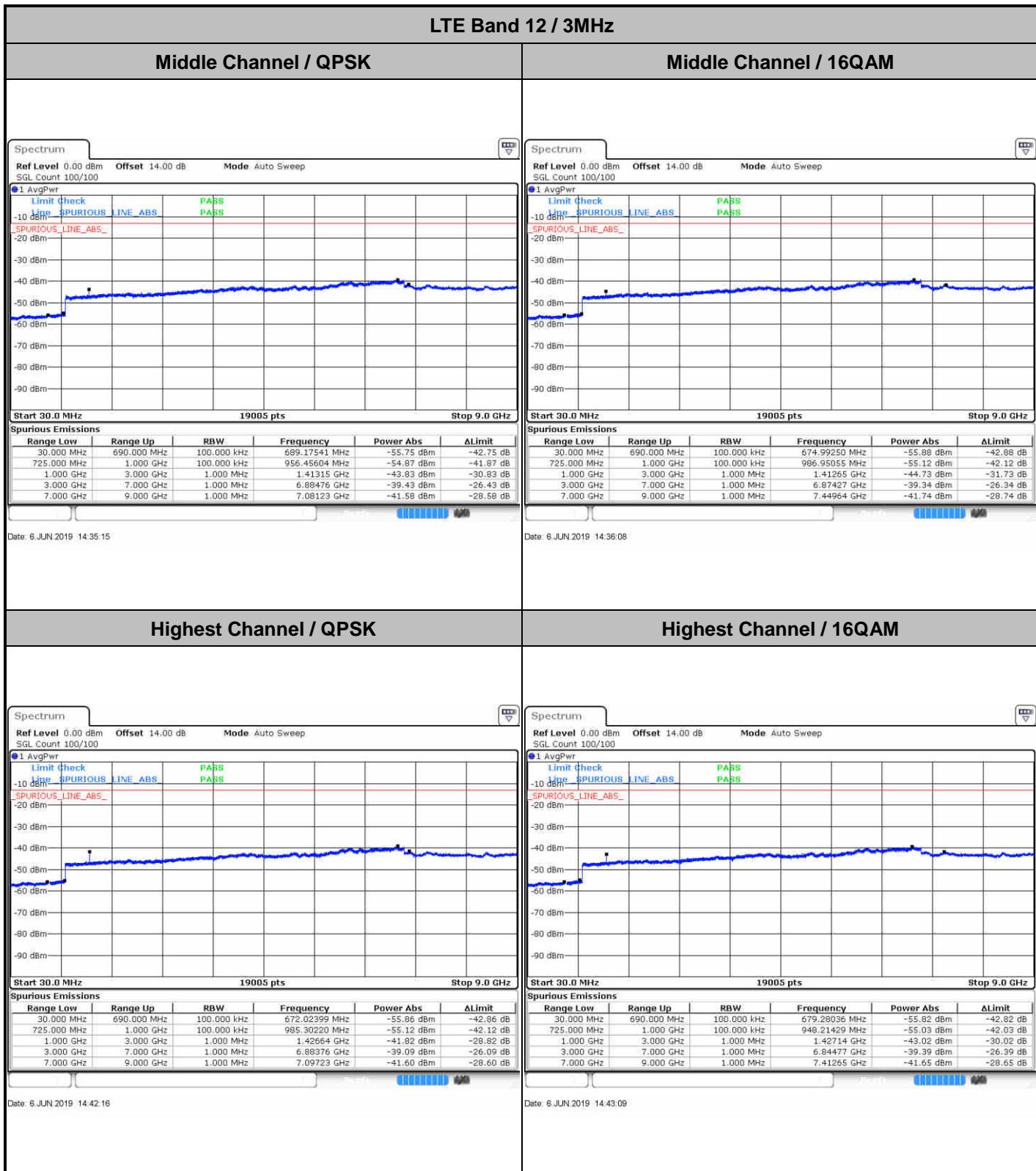


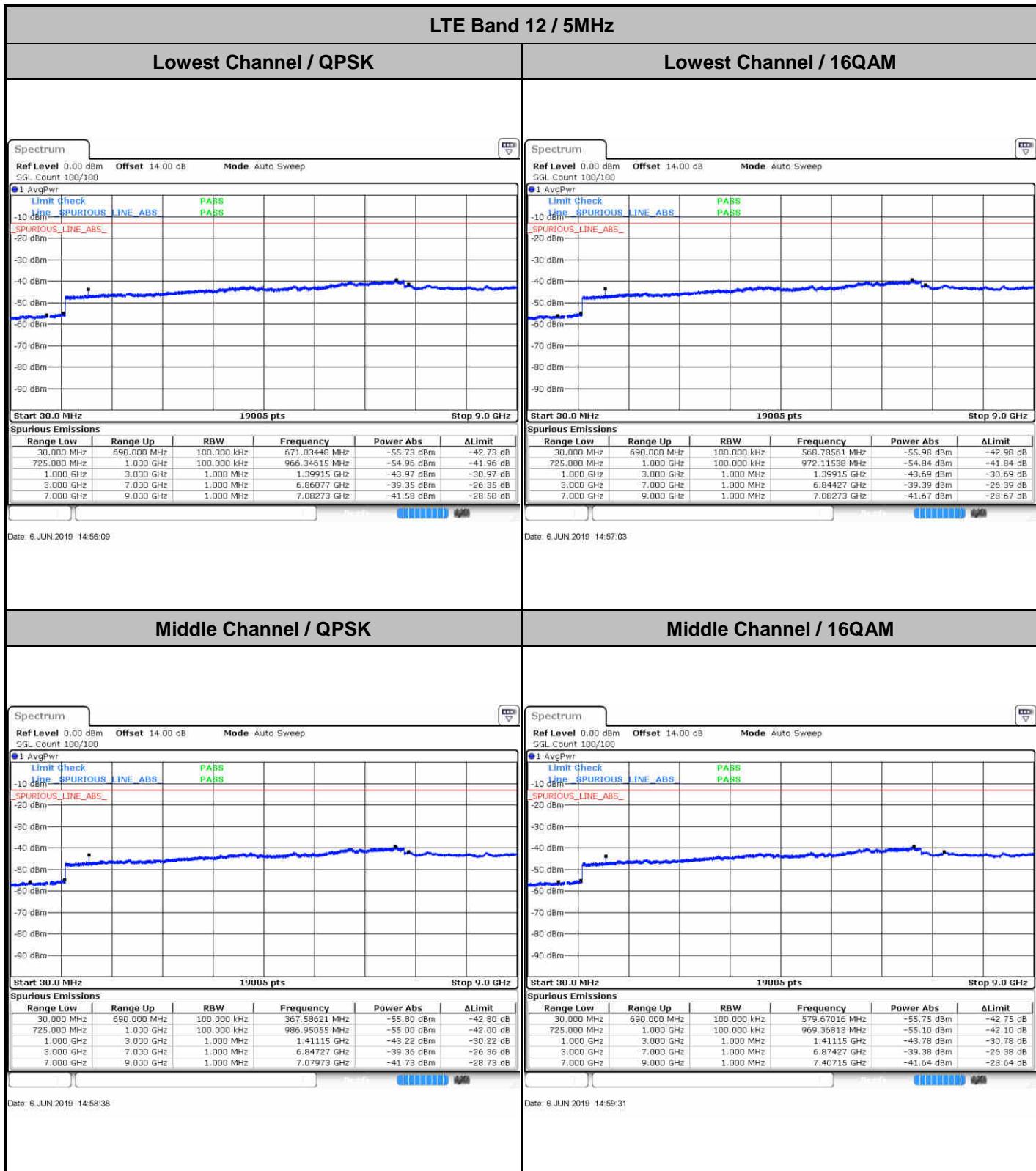
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





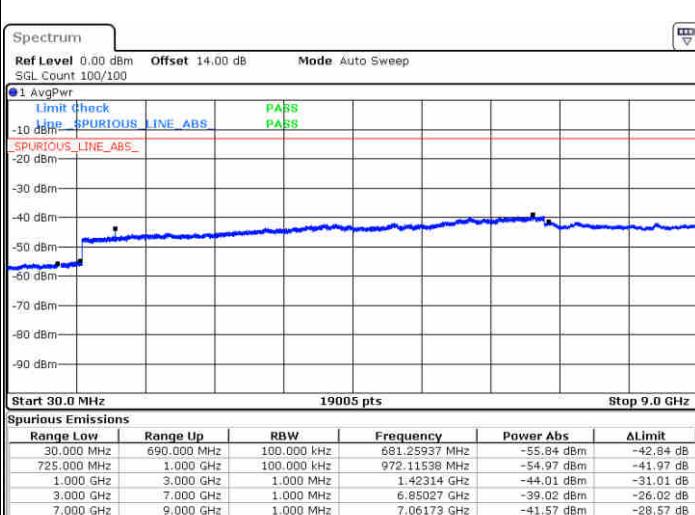
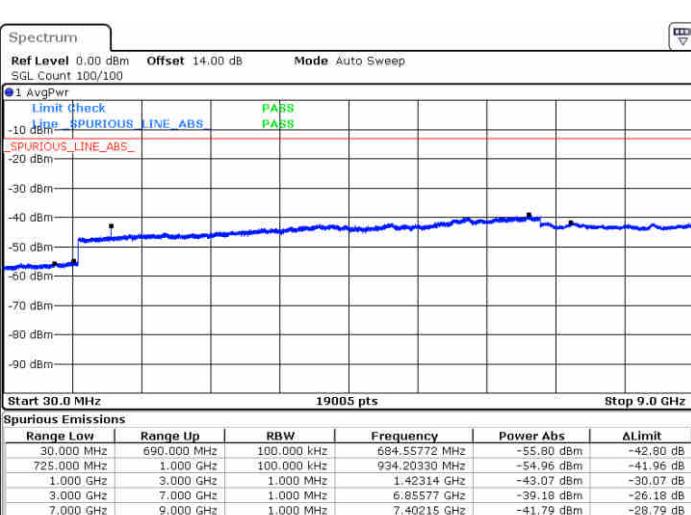




LTE Band 12 / 5MHz

Highest Channel / QPSK

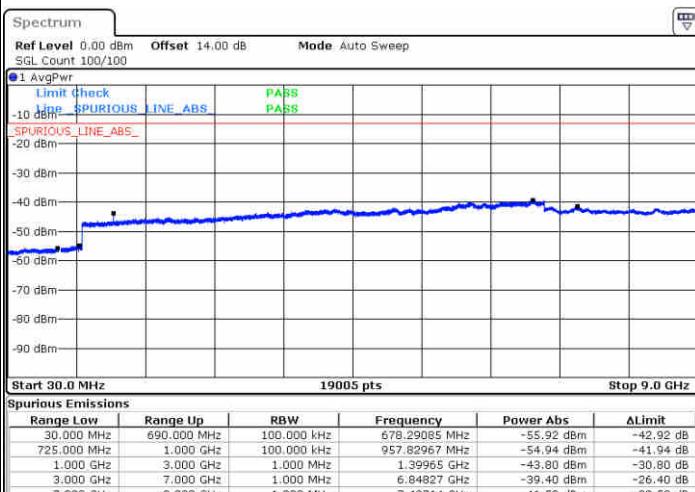
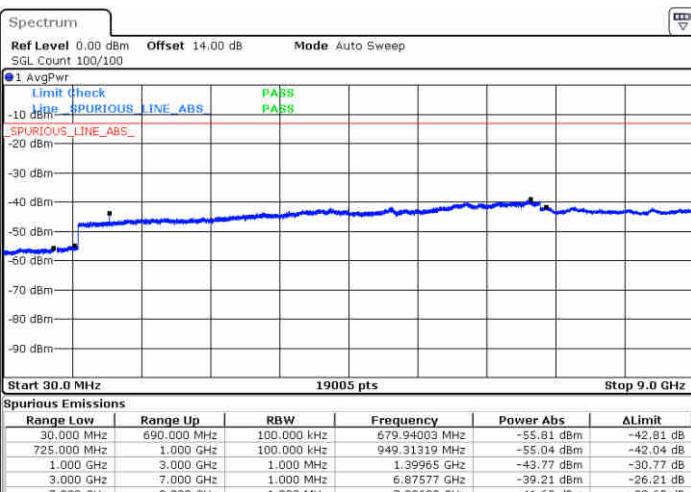
Highest Channel / 16QAM



LTE Band 12 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

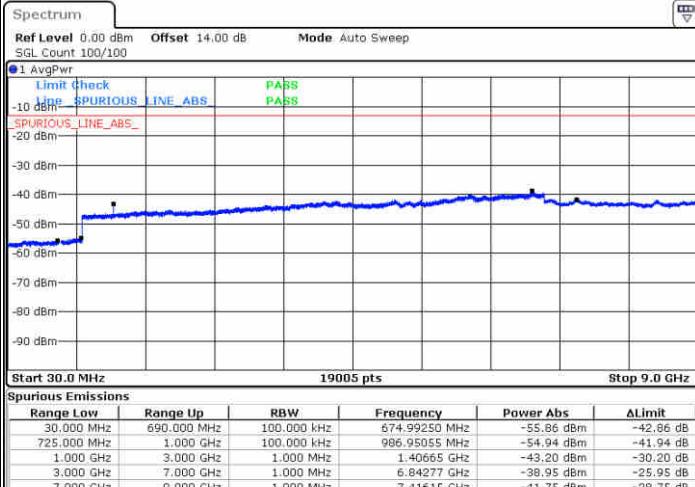
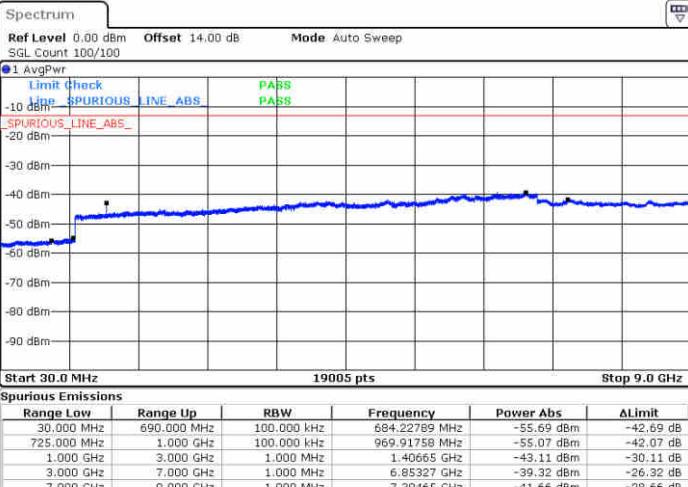




LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

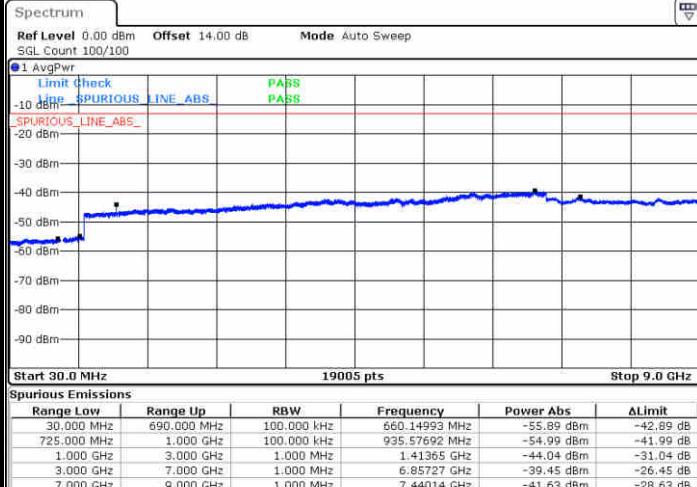


Date: 6 JUN 2019 14:16:03

Date: 6 JUN 2019 14:16:56

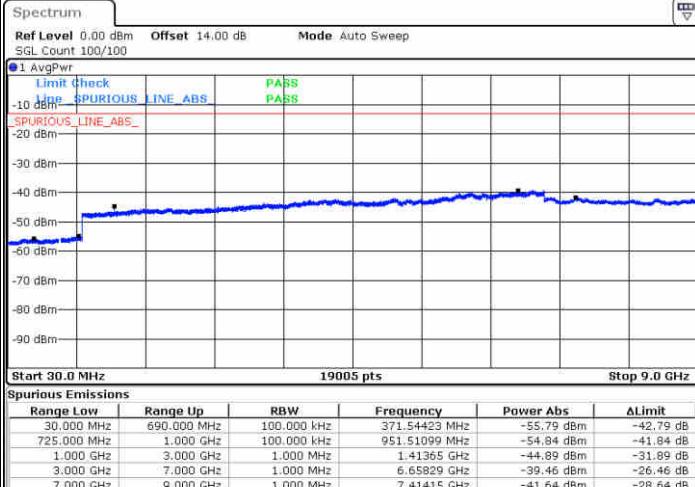
Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JUN 2019 14:23:04

Date: 6 JUN 2019 14:23:57





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0052	

Note:

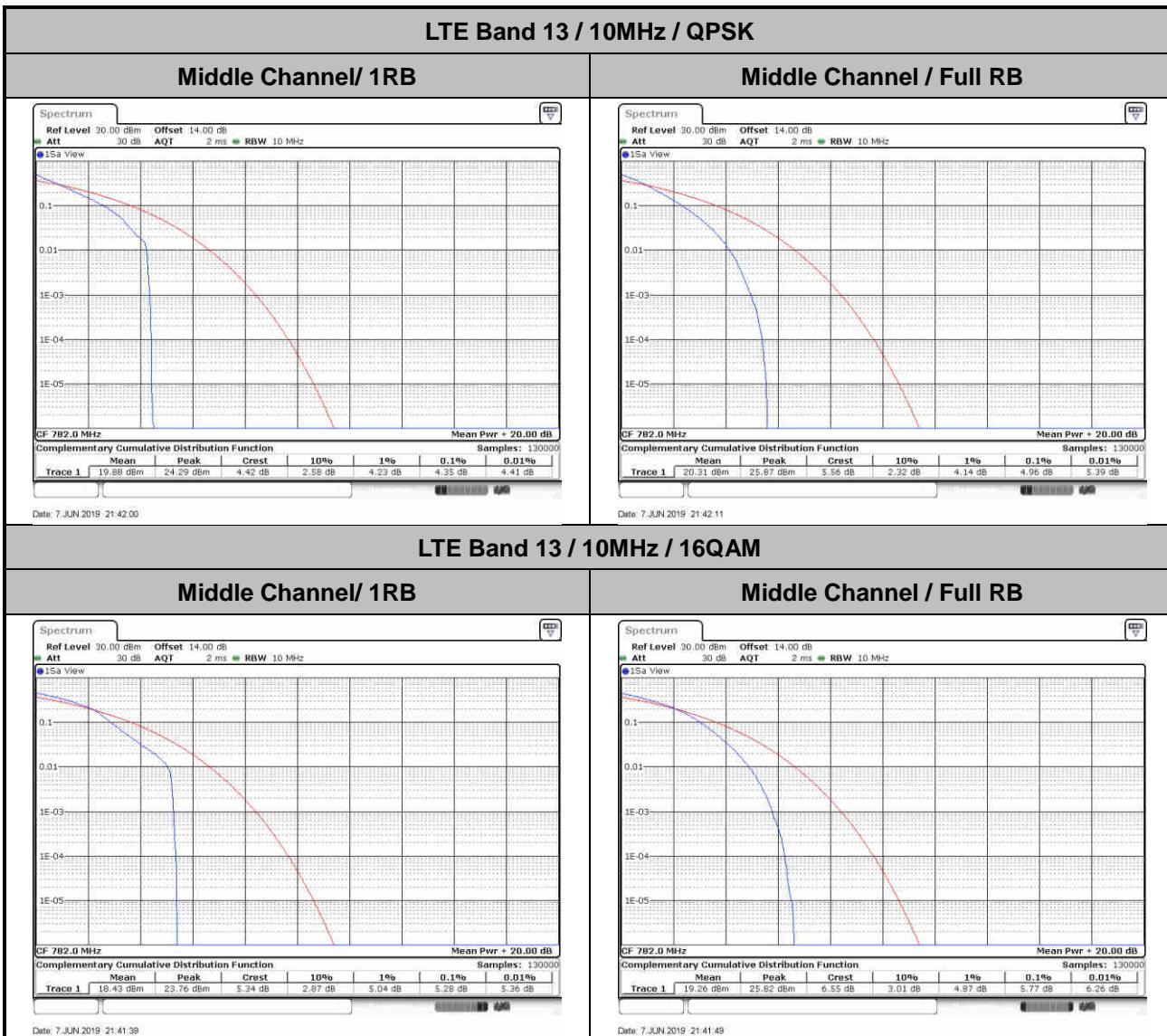
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

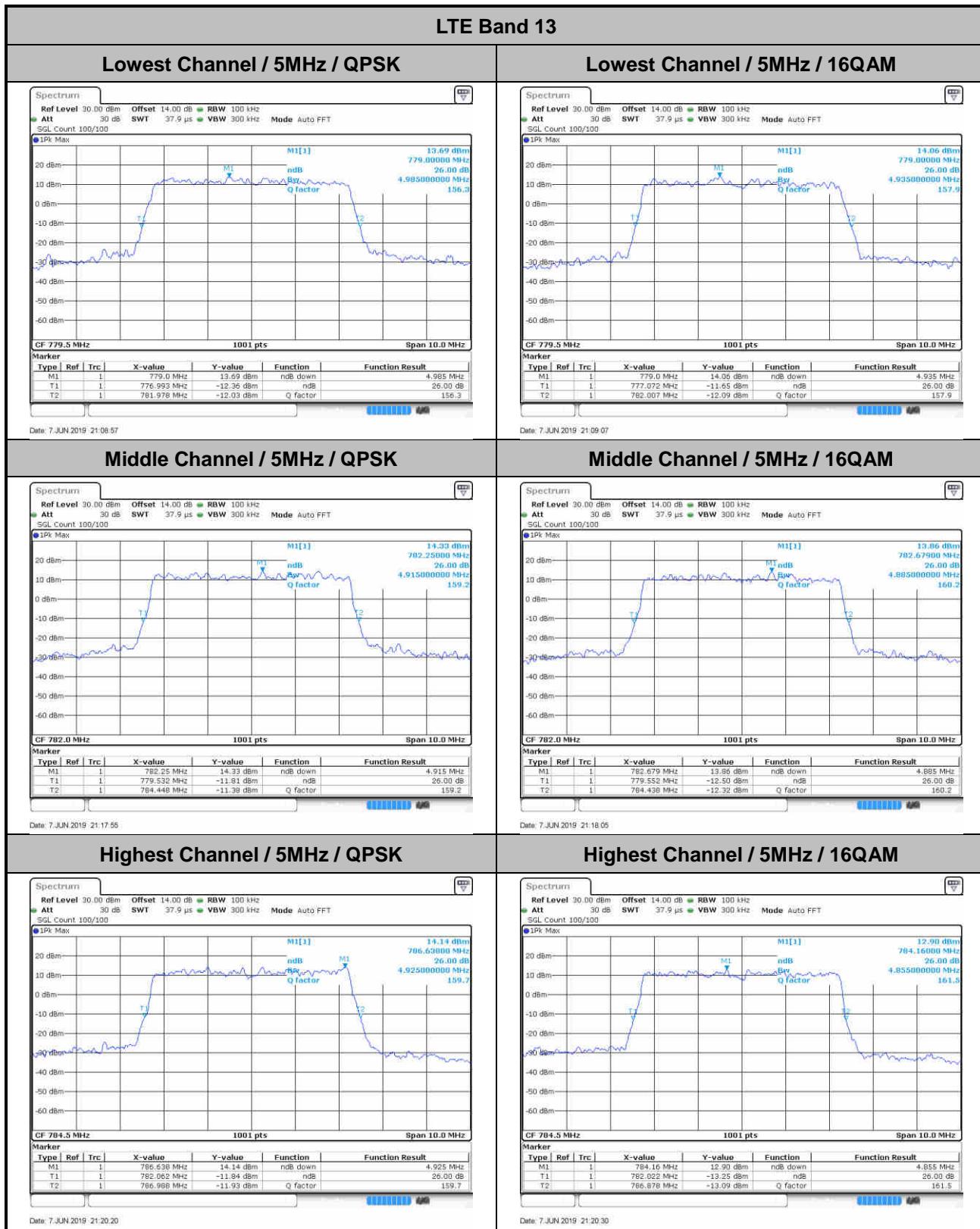
Peak-to-Average Ratio

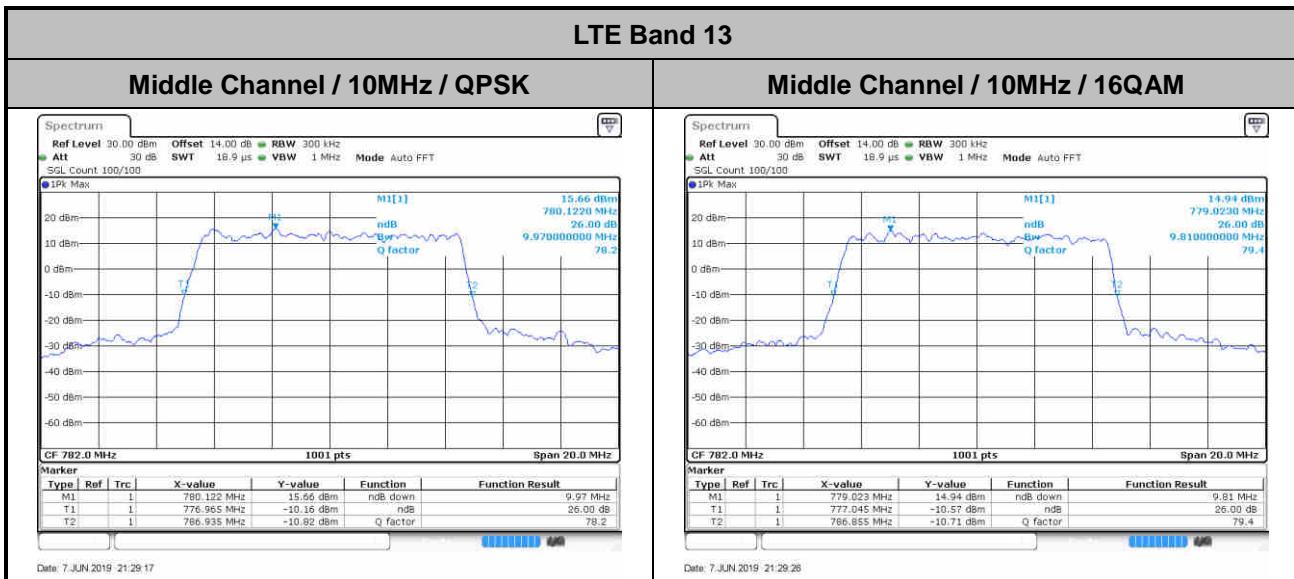
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	
Middle CH	4.35	4.96	5.28	5.77	PASS
Highest CH	-	-	-	-	



**26dB Bandwidth**

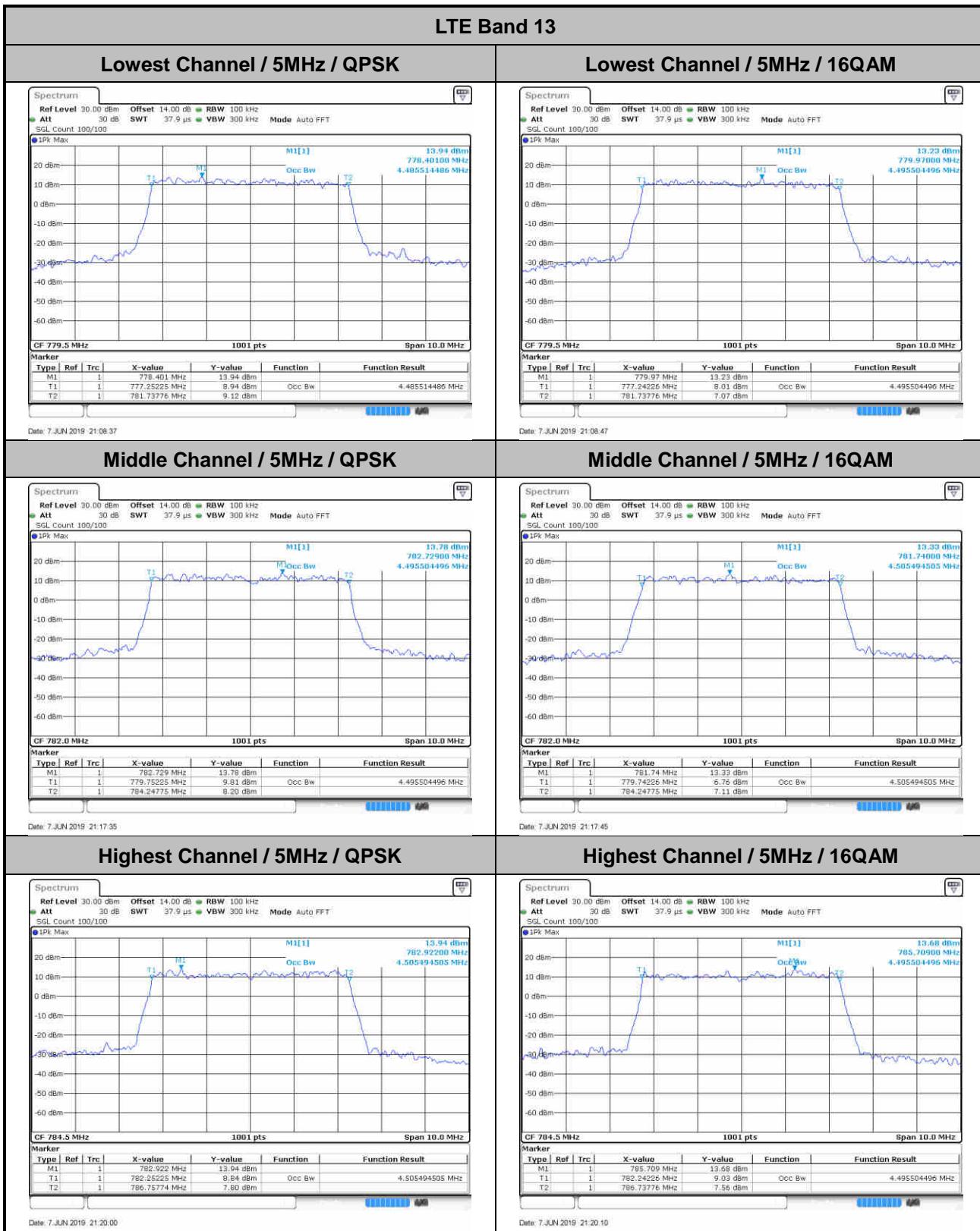
Mode	LTE Band 13 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.985	4.935	-	-	-	-	-	-
Middle CH	-	-	-	-	4.915	4.885	9.97	9.81	-	-	-	-
Highest CH	-	-	-	-	4.925	4.855	-	-	-	-	-	-

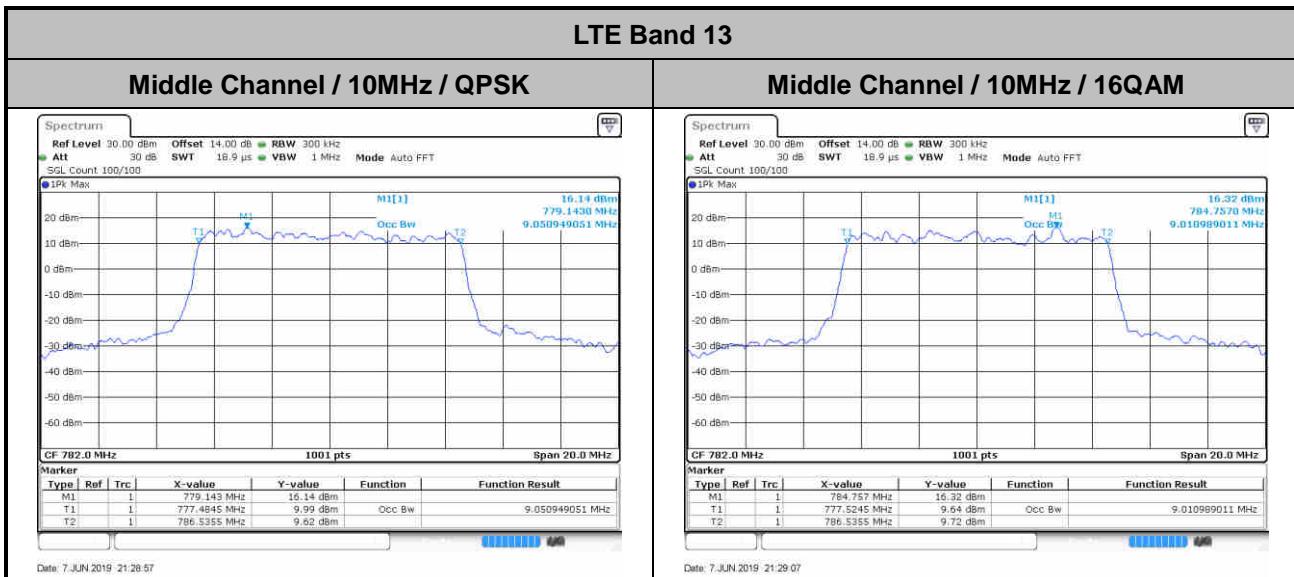




**Occupied Bandwidth**

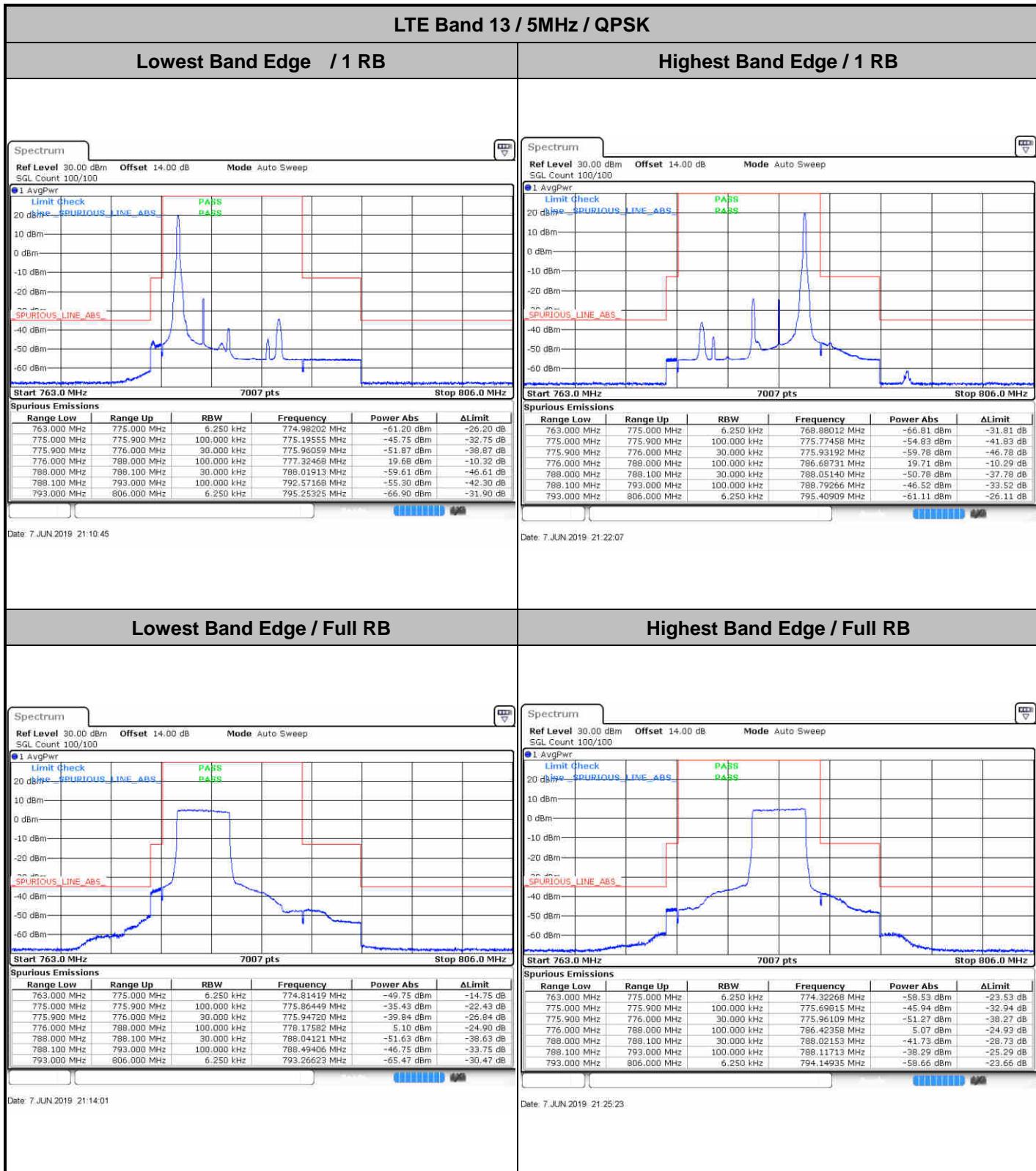
Mode	LTE Band 13 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.5	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.51	9.05	9.01	-	-	-	-
Highest CH	-	-	-	-	4.51	4.5	-	-	-	-	-	-

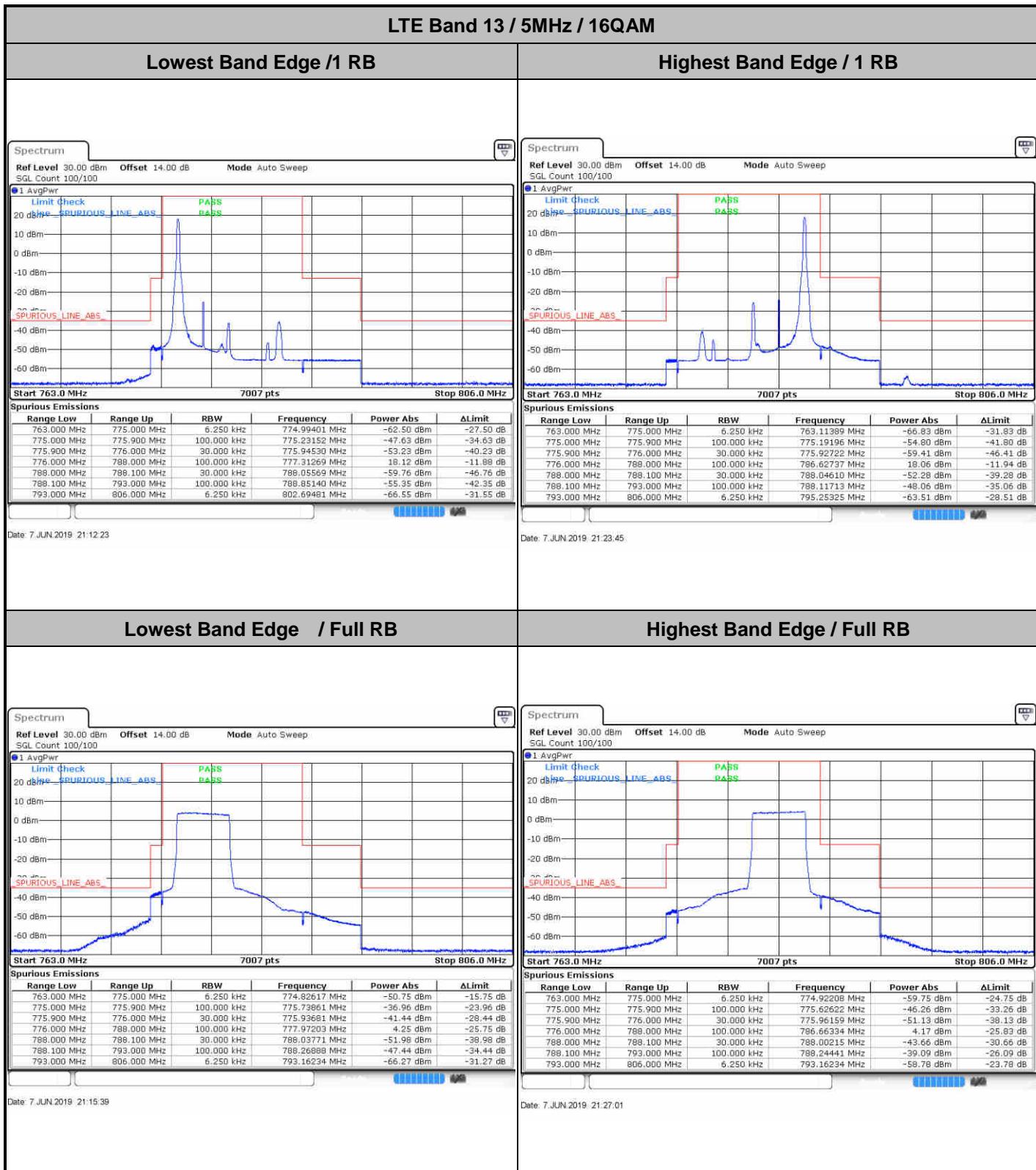


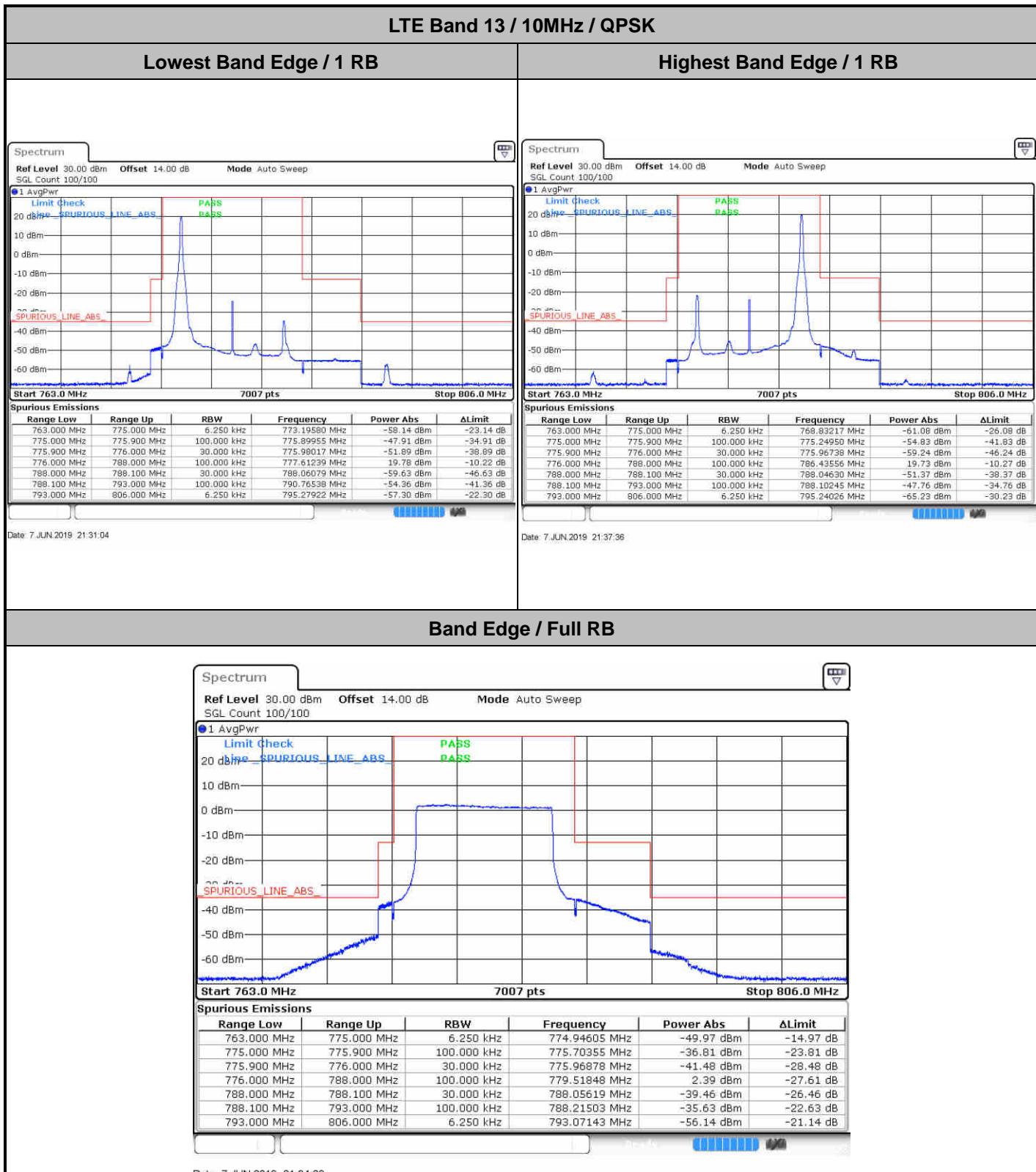


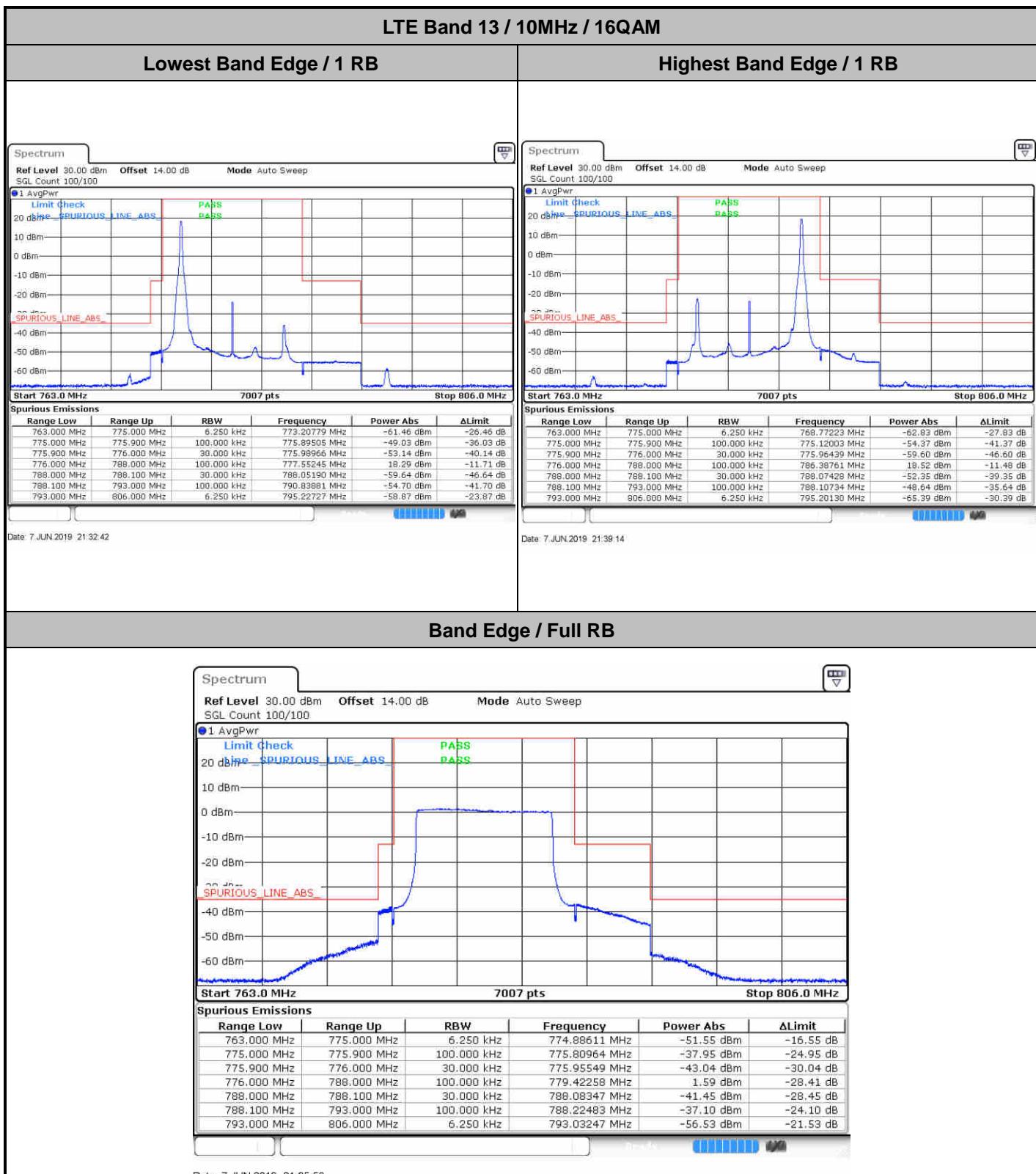


Conducted Band Edge



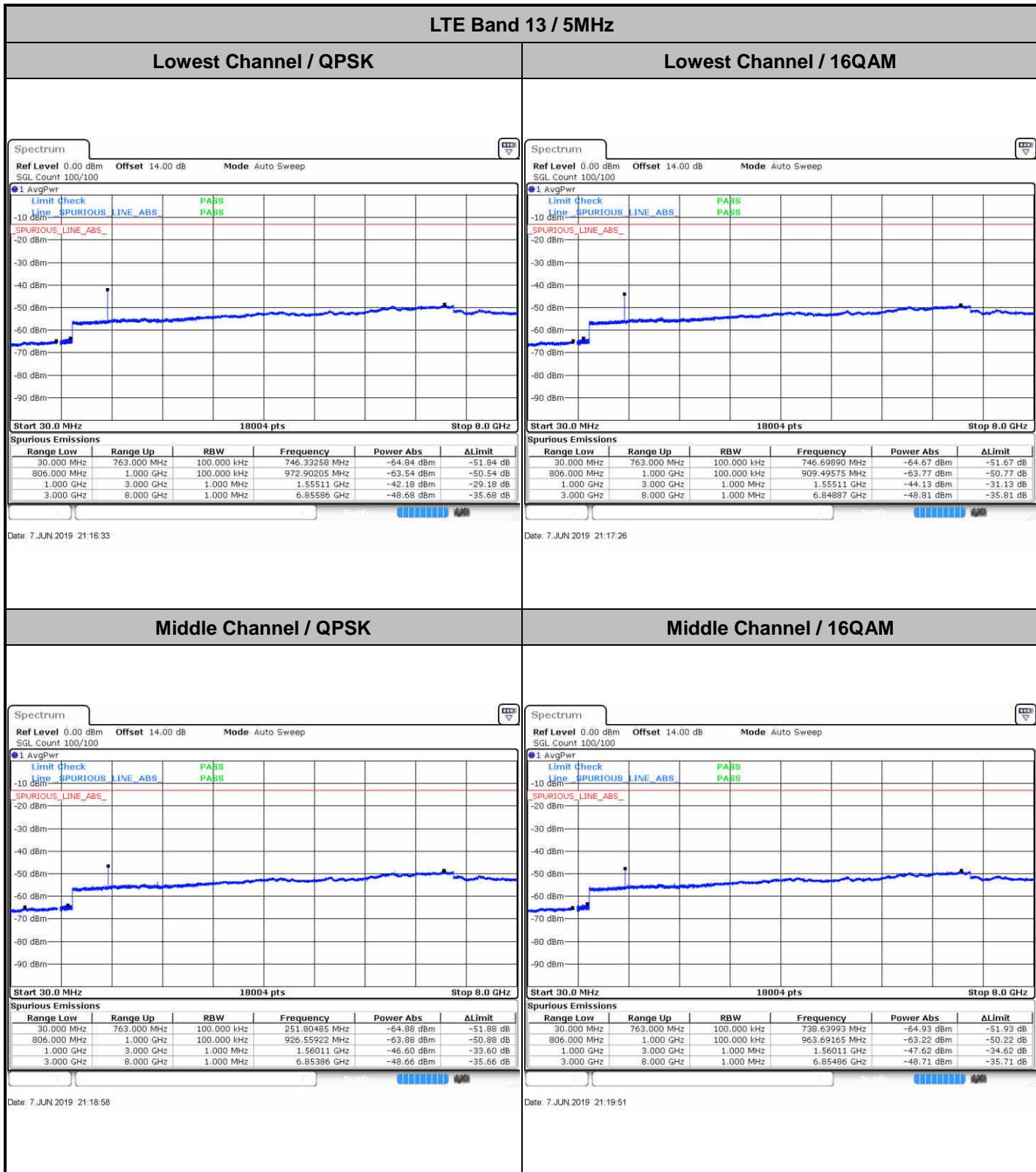








Conducted Spurious Emission

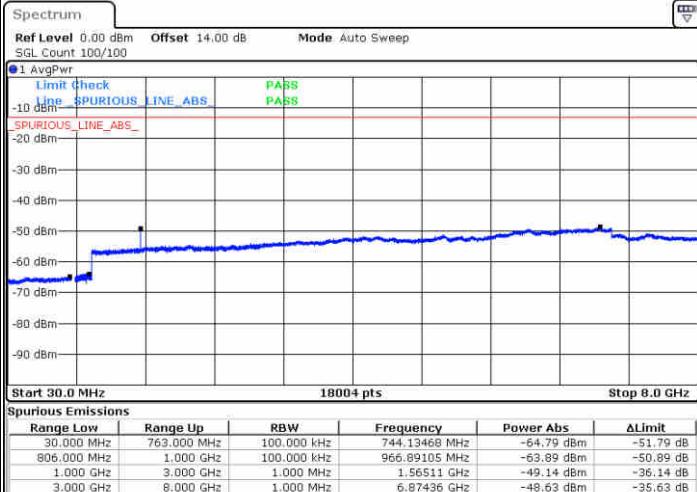
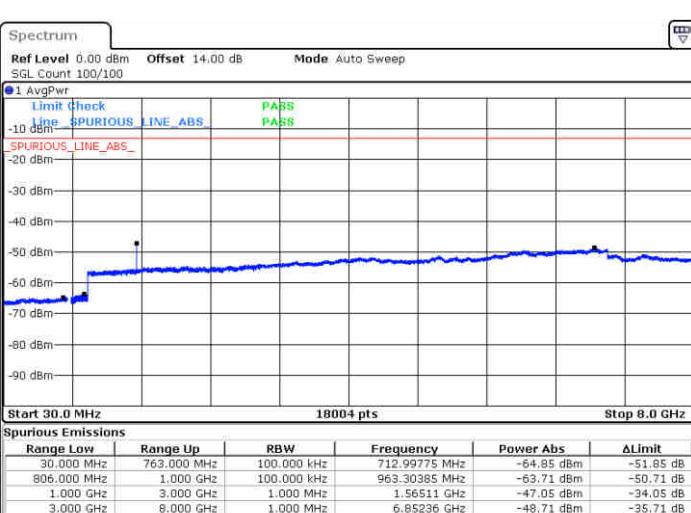




LTE Band 13 / 5MHz

Highest Channel / QPSK

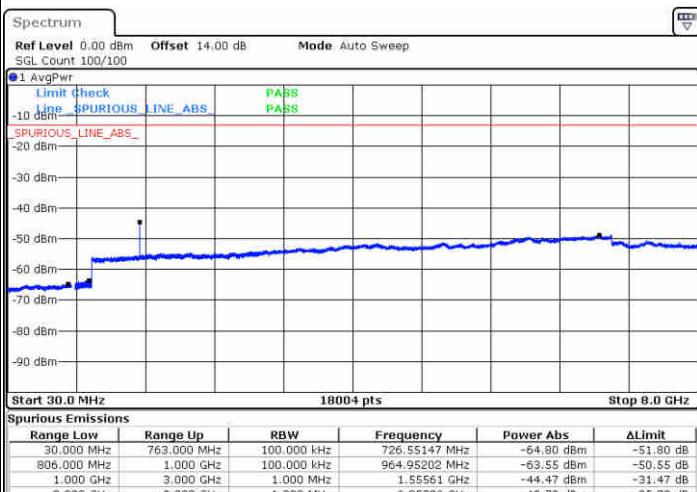
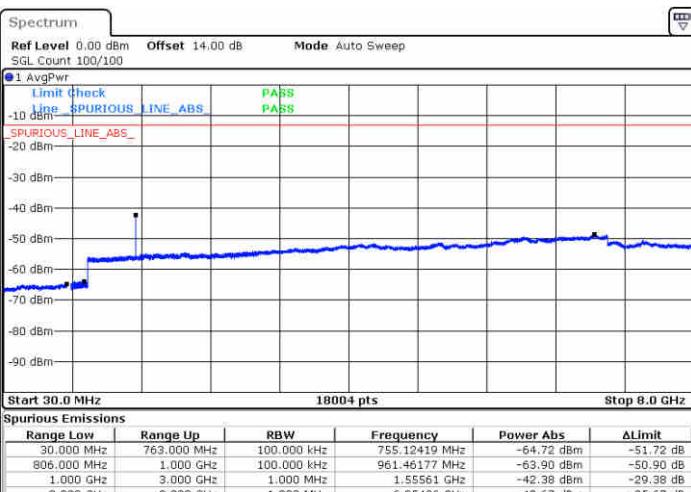
Highest Channel / 16QAM



LTE Band 13 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 7.JUN.2019 21:40:07

Date: 7.JUN.2019 21:41:00



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

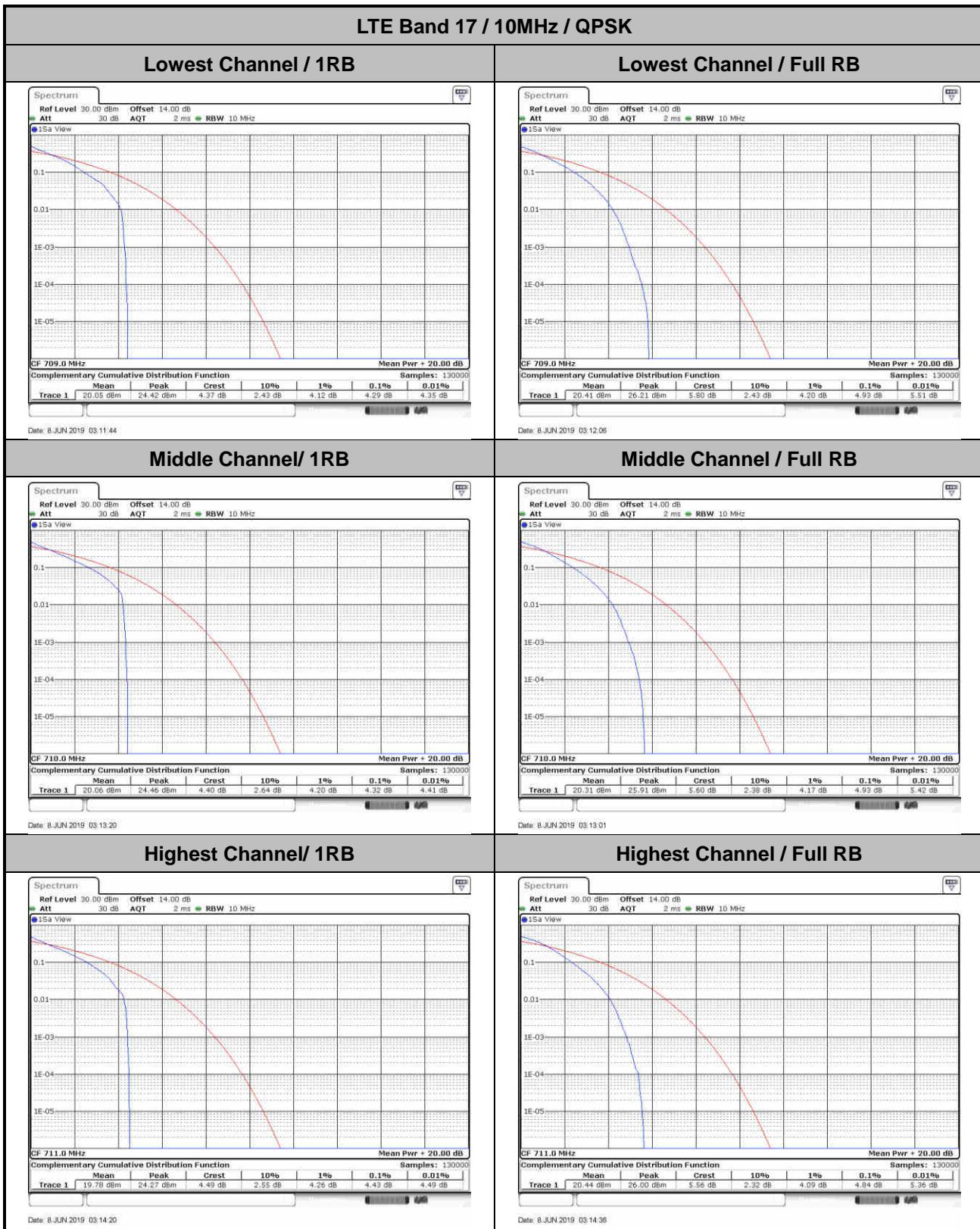
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

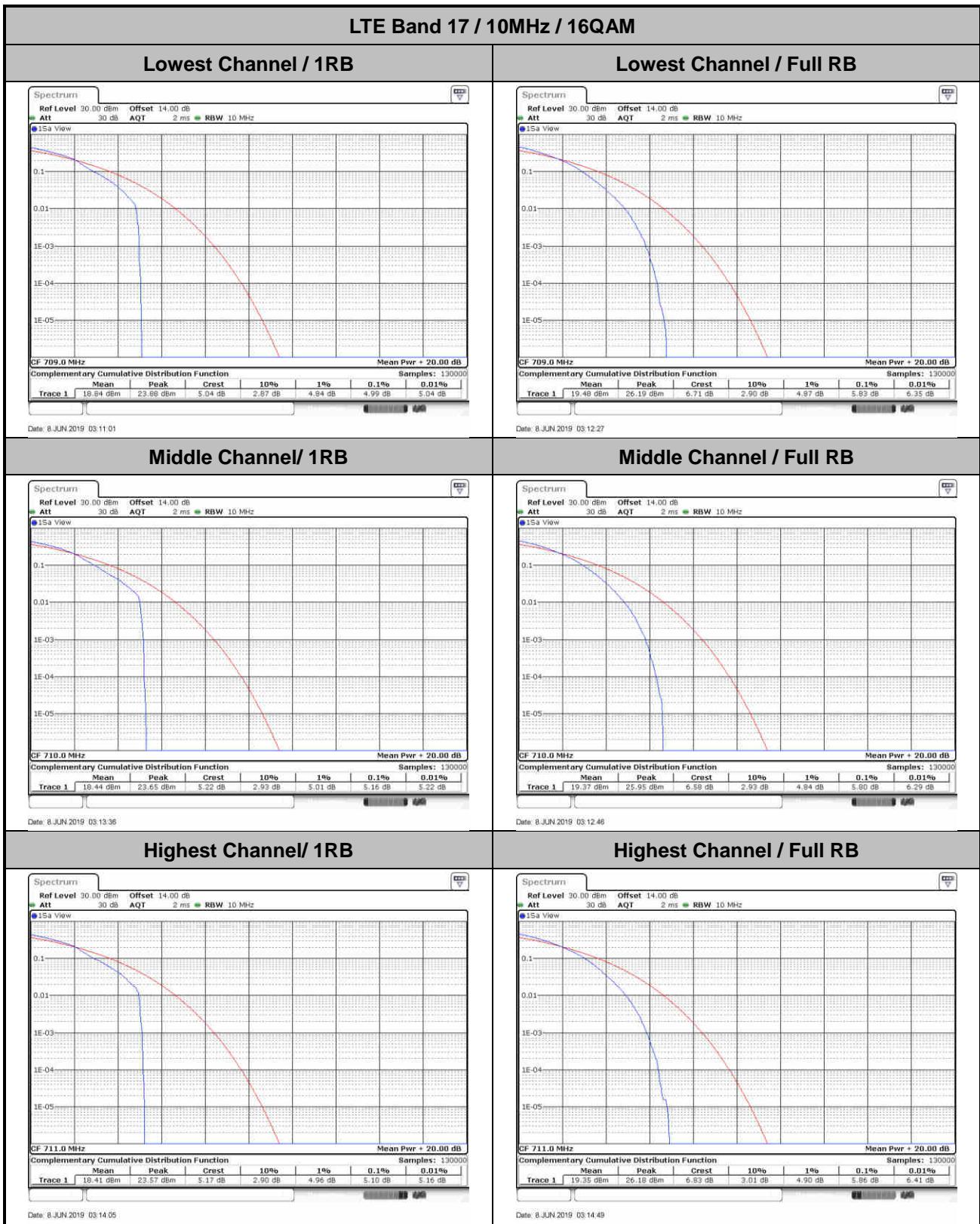


LTE Band 17

Peak-to-Average Ratio

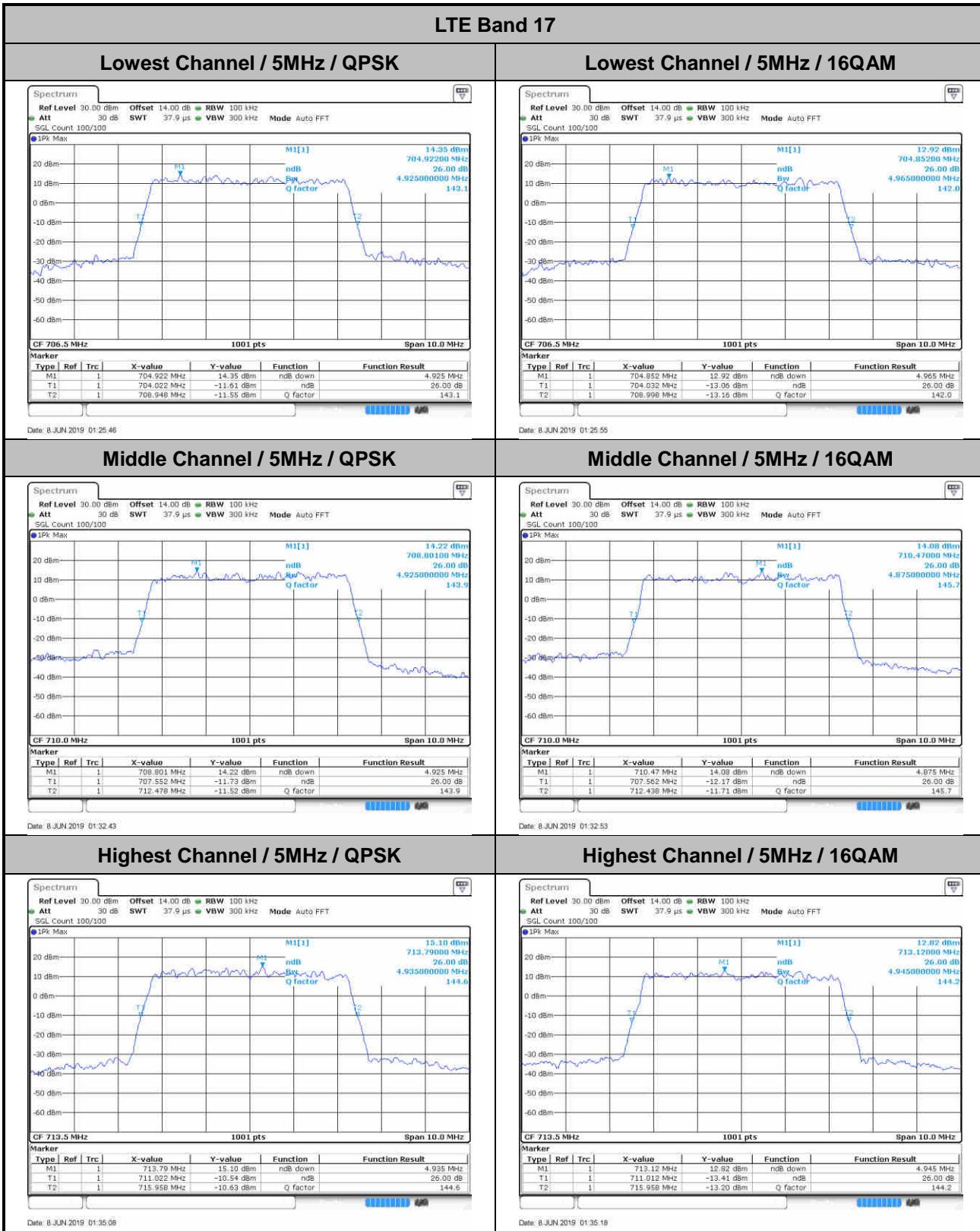
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.29	4.93	4.99	5.83	PASS
Middle CH	4.32	4.93	5.16	5.8	
Highest CH	4.43	4.84	5.1	5.86	

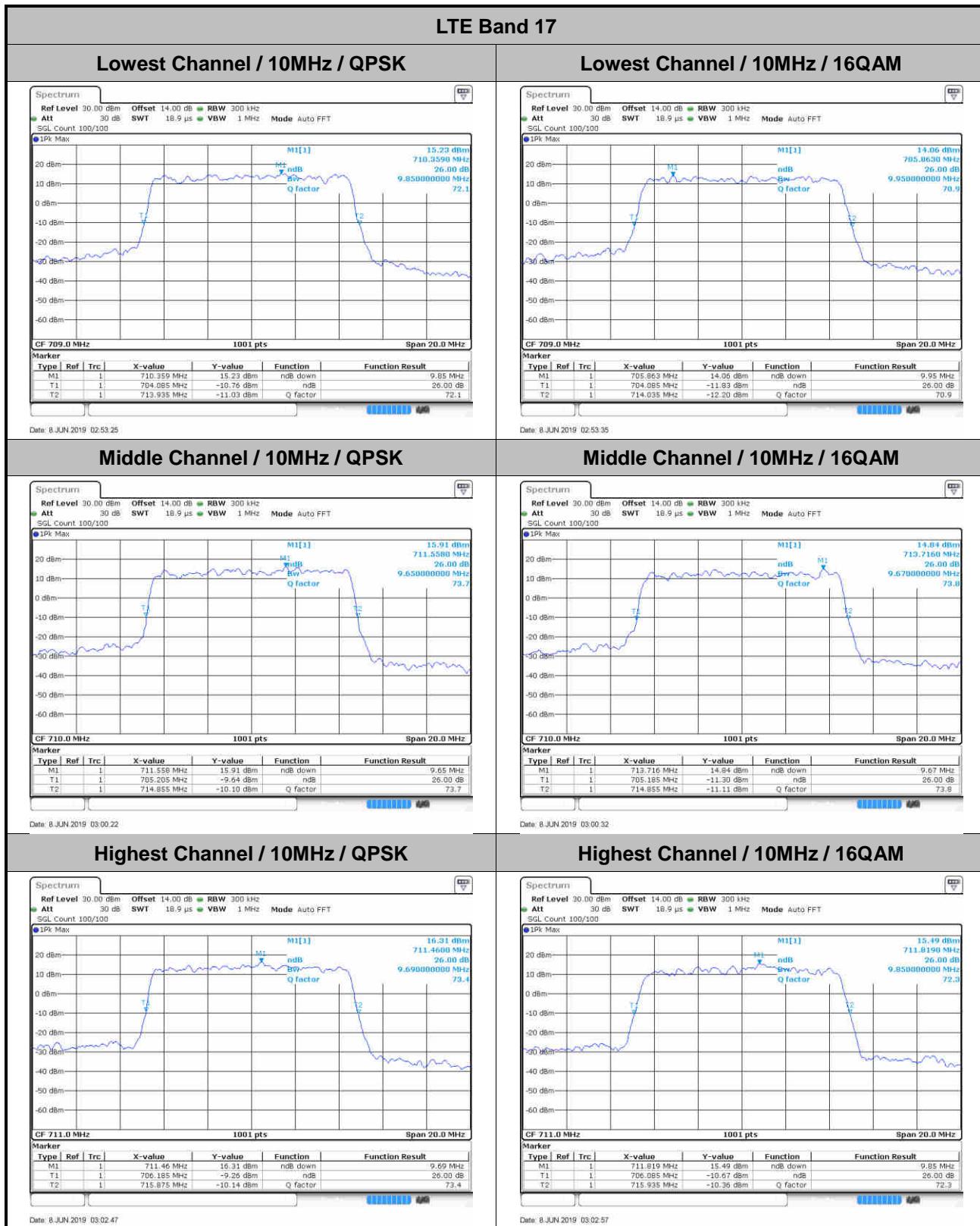




**26dB Bandwidth**

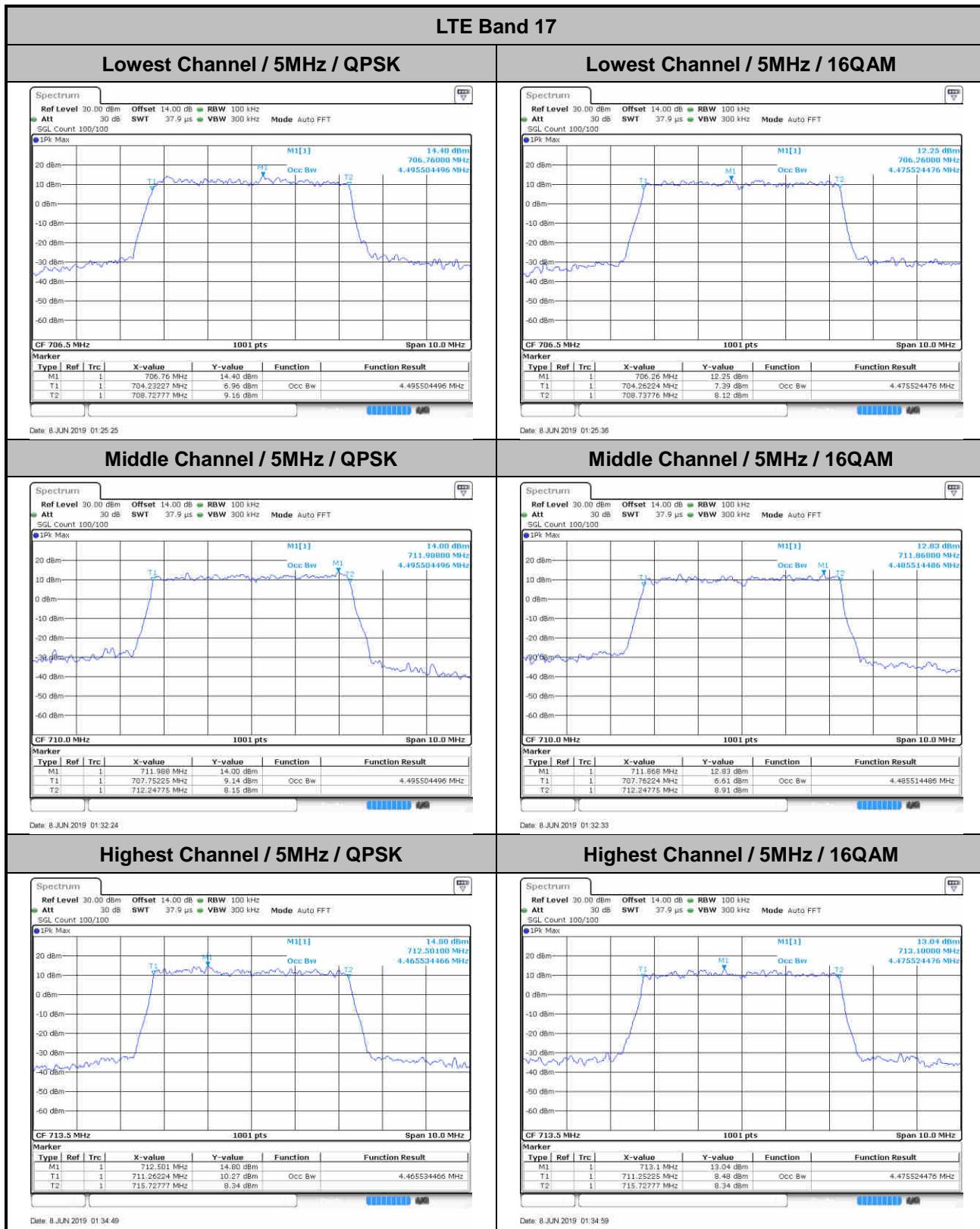
Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.925	4.965	9.85	9.95	-	-	-	-
Middle CH	-	-	-	-	4.925	4.875	9.65	9.67	-	-	-	-
Highest CH	-	-	-	-	4.935	4.945	9.69	9.85	-	-	-	-

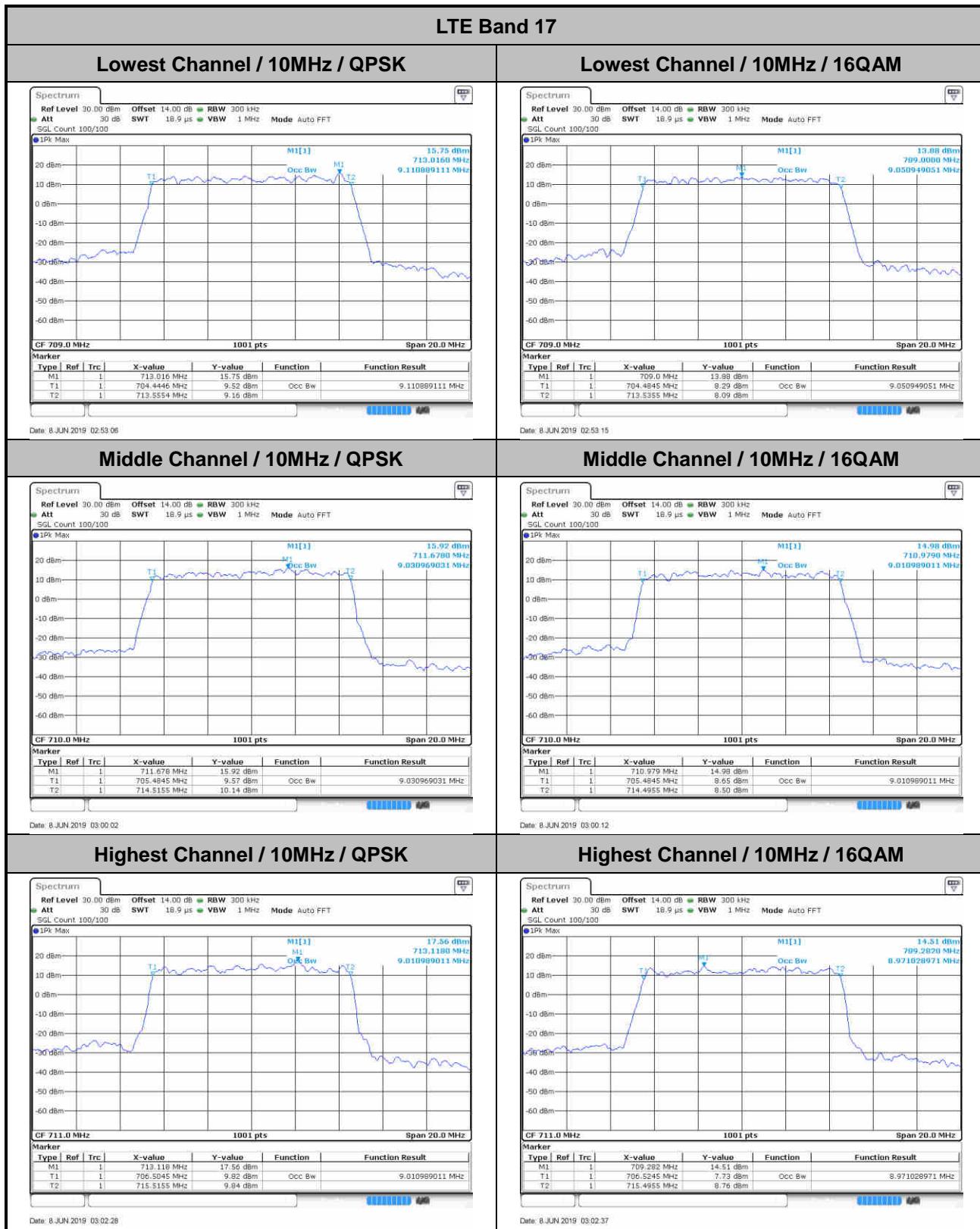




**Occupied Bandwidth**

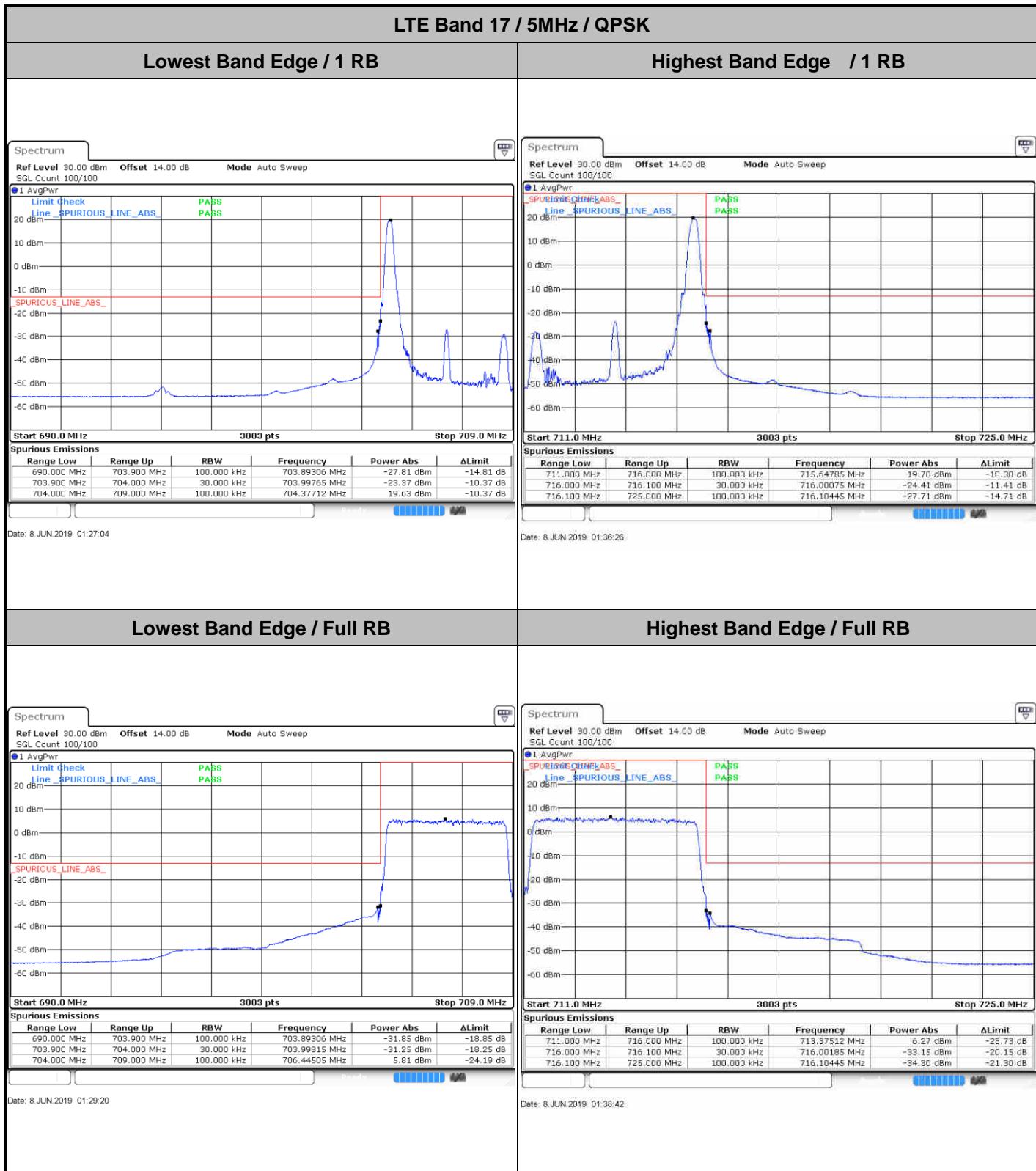
Mode	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.5	4.48	9.11	9.05	-	-	-	-
Middle CH	-	-	-	-	4.5	4.49	9.03	9.01	-	-	-	-
Highest CH	-	-	-	-	4.47	4.48	9.01	8.97	-	-	-	-

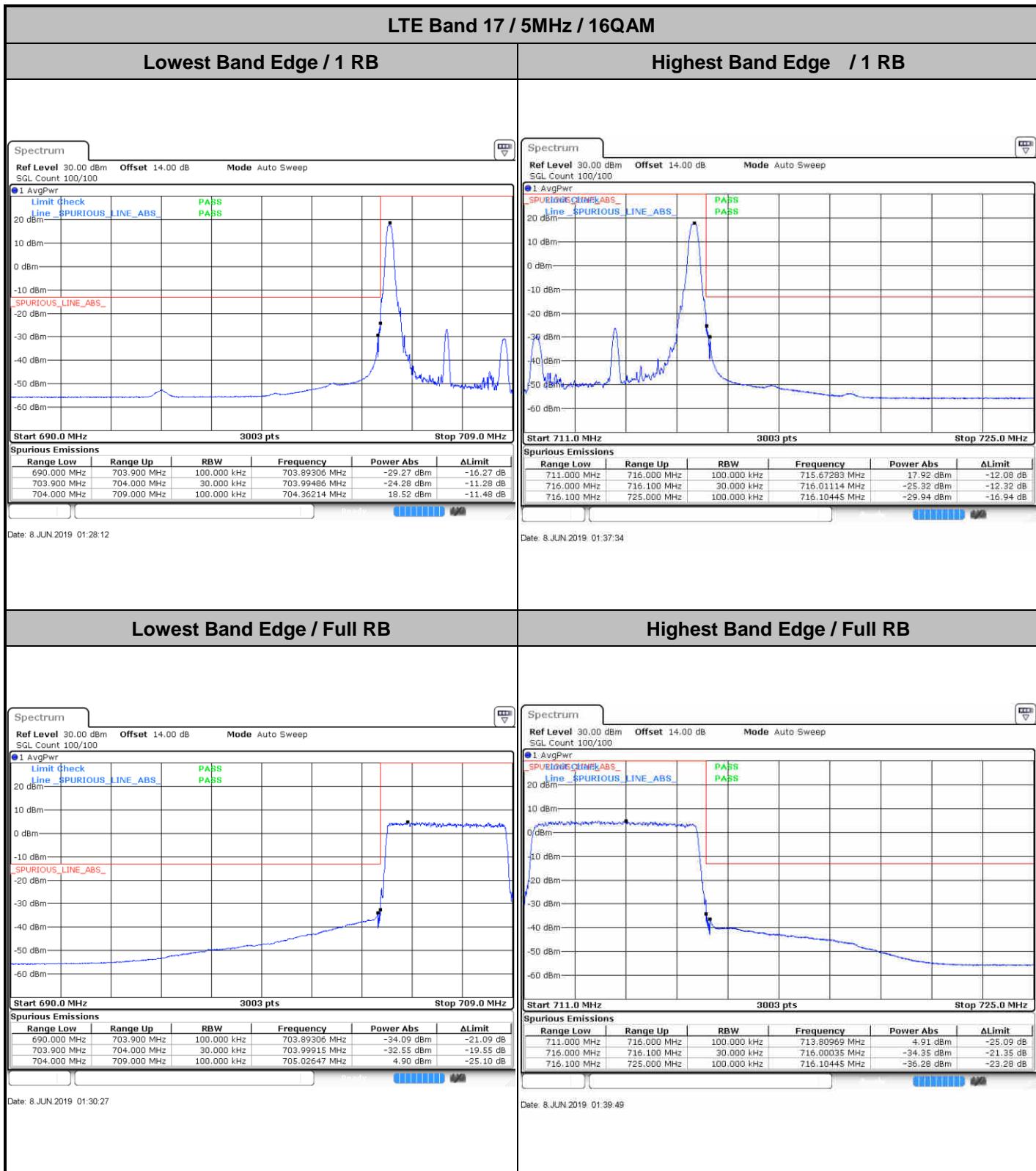


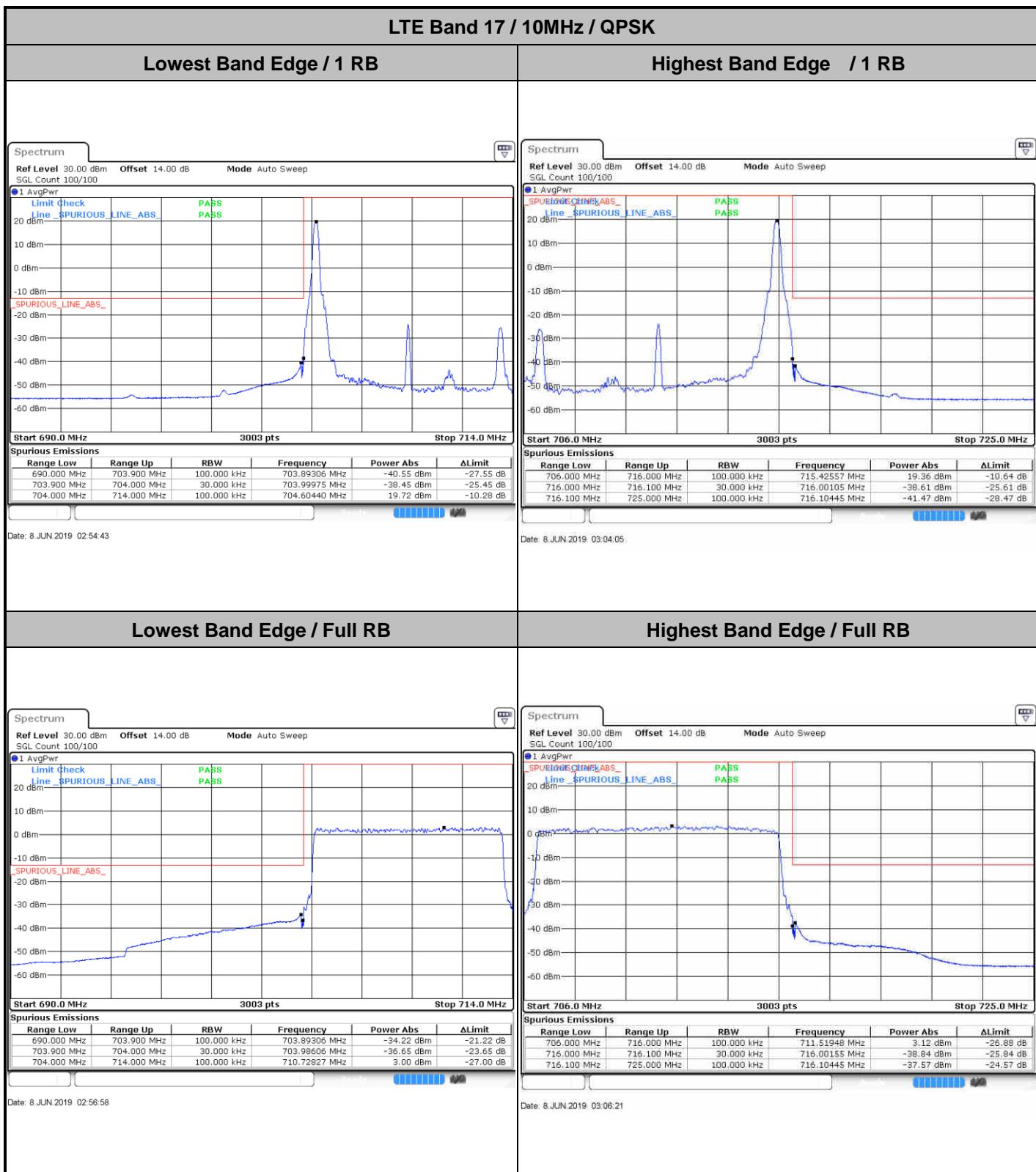


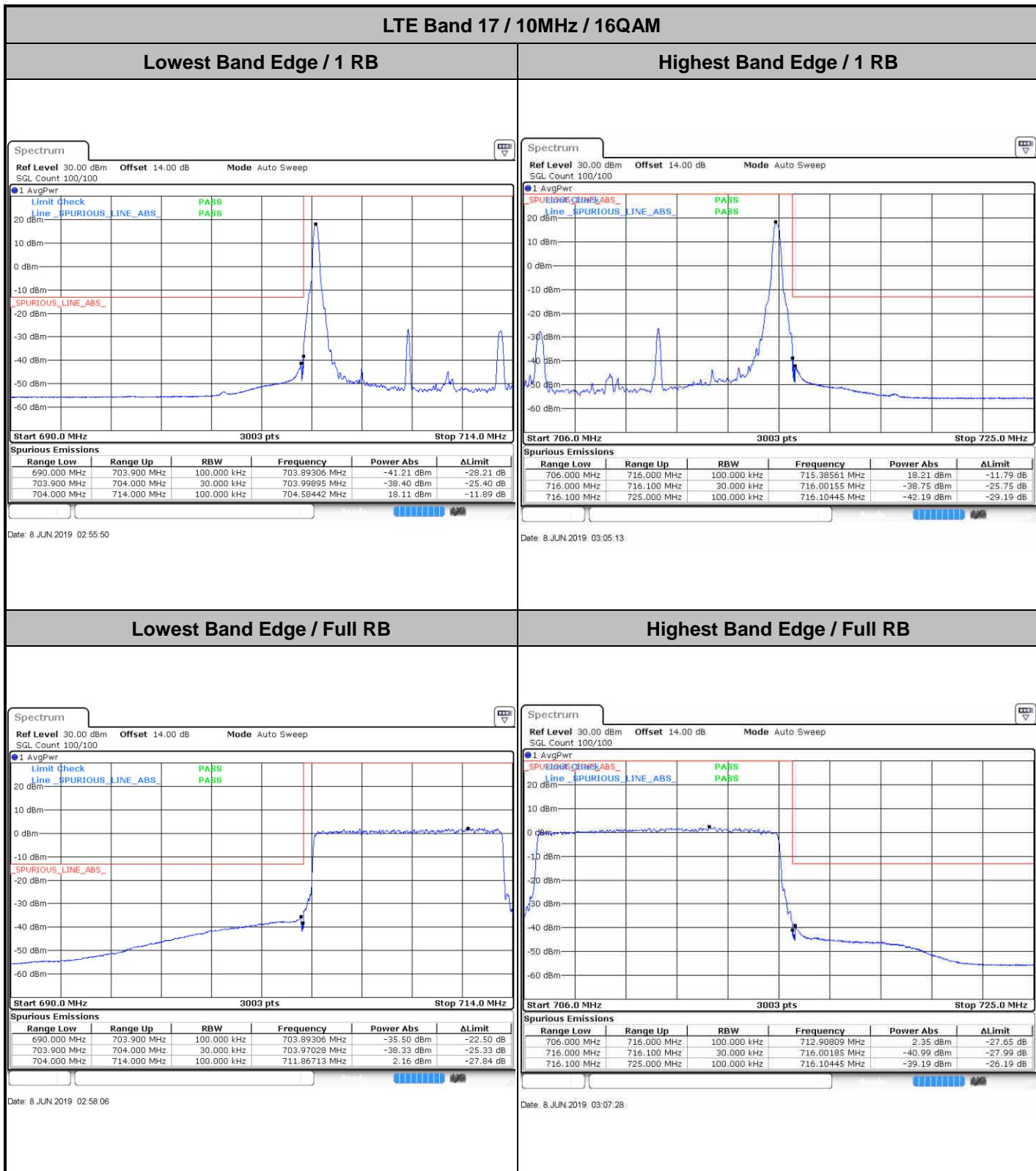


Conducted Band Edge



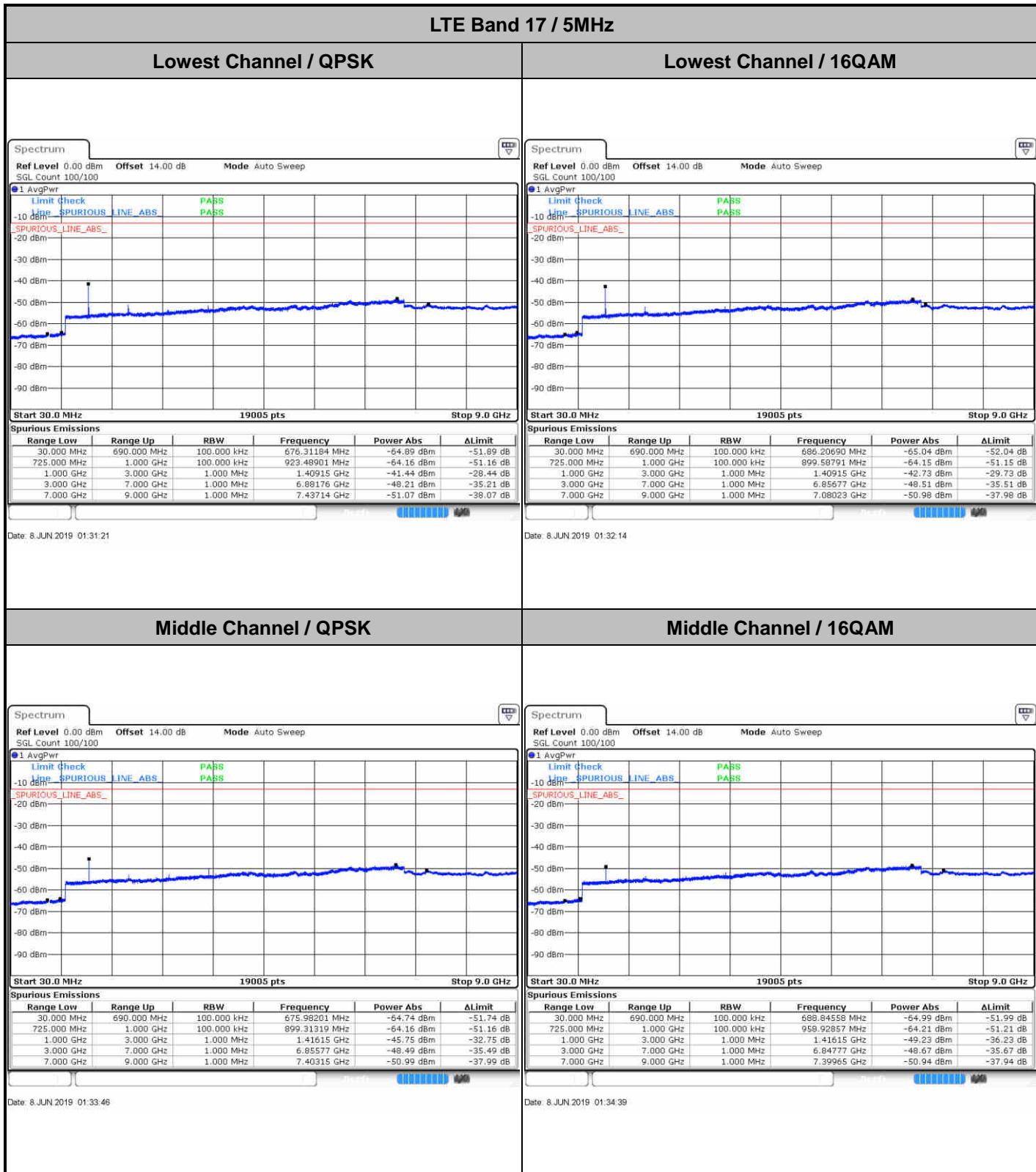








Conducted Spurious Emission

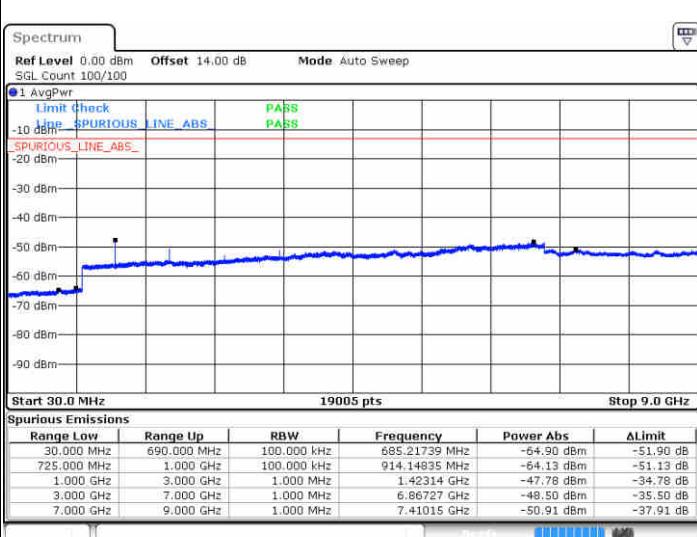
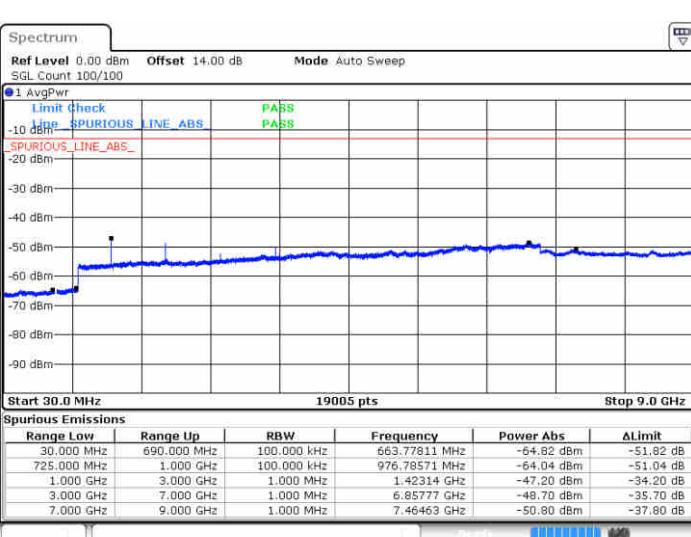




LTE Band 17 / 5MHz

Highest Channel / QPSK

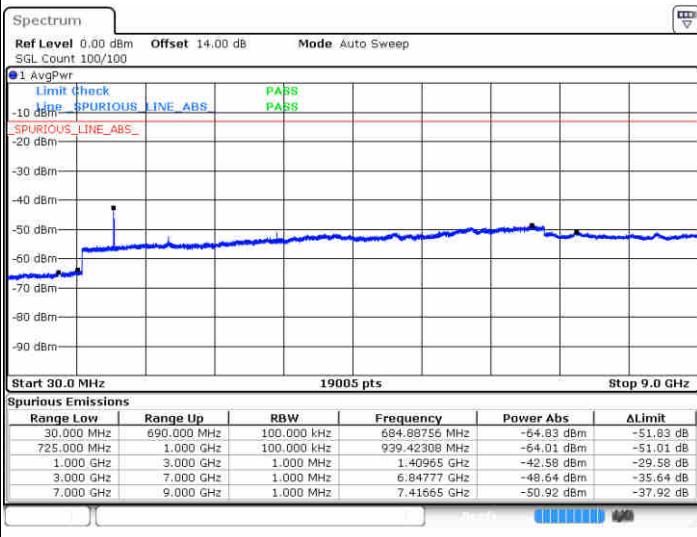
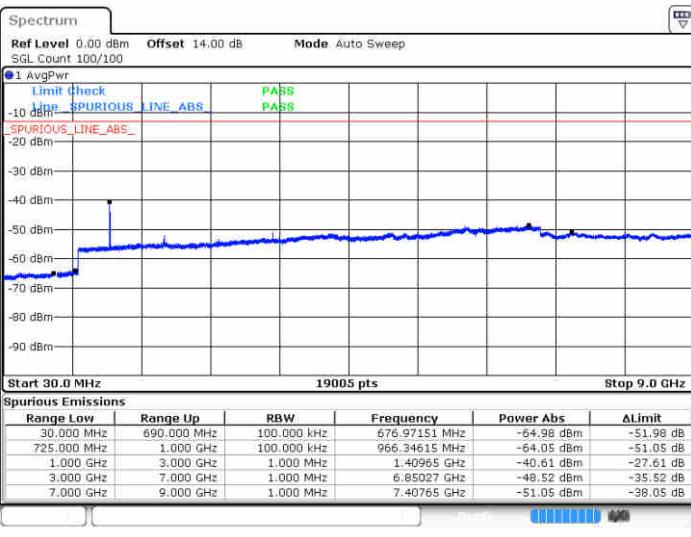
Highest Channel / 16QAM

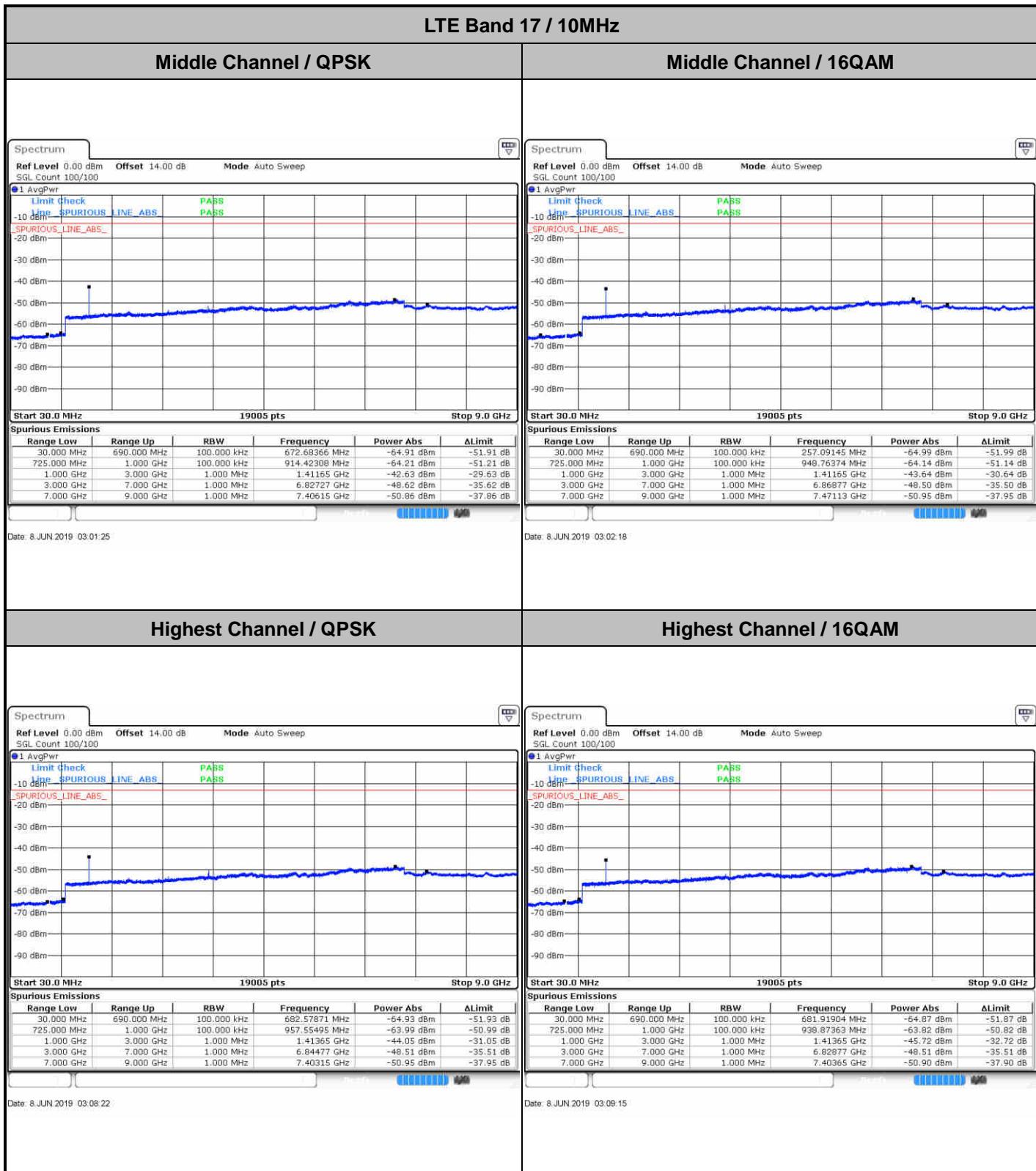


LTE Band 17 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0030	
-30	Normal Voltage	0.0048	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.35 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									
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	3700.32	-60.33	-13	-47.33	-77.25	-67.09	5.82	12.58	H
	5550.48	-47.05	-13	-34.05	-67.96	-52.77	7.28	13.00	H
	7400.64	-53.16	-13	-40.16	-80.00	-56.32	8.32	11.48	H
	3700.32	-54.33	-13	-41.33	-71.28	-61.09	5.82	12.58	V
	5550.48	-41.69	-13	-28.69	-62.8	-47.41	7.28	13.00	V
	7400.64	-51.59	-13	-38.59	-78.11	-54.75	8.32	11.48	V
Middle	3758.92	-54.94	-13	-41.94	-71.94	-62.54	5.00	12.60	H
	5638.38	-45.01	-13	-32.01	-65.68	-50.81	7.30	13.10	H
	7517.84	-53.67	-13	-40.67	-80.01	-57.24	7.73	11.30	H
	3758.92	-54.84	-13	-41.84	-71.88	-62.44	5.00	12.60	V
	5638.38	-44.36	-13	-31.36	-65.43	-50.16	7.30	13.10	V
	7517.84	-53.79	-13	-40.79	-79.91	-57.36	7.73	11.30	V
Highest	3817.52	-56.59	-13	-43.59	-73.73	-63.33	5.88	12.62	H
	5726.28	-48.70	-13	-35.70	-69.71	-54.51	7.32	13.13	H
	7635.04	-49.35	-13	-36.35	-75.36	-52.51	8.38	11.54	H
	3817.52	-52.66	-13	-39.66	-69.86	-59.40	5.88	12.62	V
	5726.28	-40.85	-13	-27.85	-62.19	-46.66	7.32	13.13	V
	7635.04	-52.50	-13	-39.50	-78.37	-55.66	8.38	11.54	V

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



LTE Band 2 / 3MHz / QPSK									
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	3700.48	-60.32	-13	-47.32	-77.24	-67.08	5.82	12.58	H
	5550.72	-47.04	-13	-34.04	-67.95	-52.76	7.28	13.00	H
	7400.96	-53.53	-13	-40.53	-80.37	-56.69	8.32	11.48	H
	3700.48	-54.01	-13	-41.01	-70.96	-60.77	5.82	12.58	V
	5550.72	-41.53	-13	-28.53	-62.64	-47.25	7.28	13.00	V
	7400.96	-52.15	-13	-39.15	-78.67	-55.31	8.32	11.48	V
Middle	3757.48	-61.71	-13	-48.71	-78.71	-69.31	5.00	12.60	H
	5636.22	-51.10	-13	-38.10	-71.77	-56.90	7.30	13.10	H
	7514.96	-53.31	-13	-40.31	-79.66	-56.88	7.73	11.30	H
	3757.48	-56.62	-13	-43.62	-73.66	-64.22	5.00	12.60	V
	5636.22	-45.14	-13	-32.14	-66.21	-50.94	7.30	13.10	V
	7514.96	-54.71	-13	-41.71	-80.84	-58.28	7.73	11.30	V
Highest	3814.48	-57.56	-13	-44.56	-74.70	-64.30	5.88	12.62	H
	5721.72	-50.30	-13	-37.30	-71.31	-56.11	7.32	13.13	H
	7628.96	-51.59	-13	-38.59	-77.60	-54.75	8.38	11.54	H
	3814.48	-54.26	-13	-41.26	-71.46	-61.00	5.88	12.62	V
	5721.72	-41.99	-13	-28.99	-63.33	-47.80	7.32	13.13	V
	7628.96	-54.56	-13	-41.56	-80.43	-57.72	8.38	11.54	V

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



LTE Band 2 / 5MHz / QPSK									
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	3700.68	-59.30	-13	-46.30	-76.22	-66.06	5.82	12.58	H
	5551.02	-46.86	-13	-33.86	-67.77	-52.58	7.28	13.00	H
	7401.36	-52.26	-13	-39.26	-79.10	-55.42	8.32	11.48	H
	3700.68	-53.36	-13	-40.36	-70.31	-60.12	5.82	12.58	V
	5551.02	-42.36	-13	-29.36	-63.47	-48.08	7.28	13.00	V
	7401.36	-52.29	-13	-39.29	-78.81	-55.45	8.32	11.48	V
Middle	3755.68	-59.57	-13	-46.57	-76.57	-67.17	5.00	12.60	H
	5633.52	-51.63	-13	-38.63	-72.30	-57.43	7.30	13.10	H
	7511.36	-54.94	-13	-41.94	-81.29	-58.51	7.73	11.30	H
	3755.68	-57.28	-13	-44.28	-74.32	-64.88	5.00	12.60	V
	5633.52	-44.91	-13	-31.91	-65.98	-50.71	7.30	13.10	V
	7511.36	-54.88	-13	-41.88	-81.01	-58.45	7.73	11.30	V
Highest	3810.68	-55.45	-13	-42.45	-72.53	-62.19	5.88	12.62	H
	5716.02	-50.98	-13	-37.98	-71.92	-56.79	7.32	13.13	H
	7621.36	-53.16	-13	-40.16	-79.16	-56.32	8.38	11.54	H
	3810.68	-54.22	-13	-41.22	-71.34	-60.96	5.88	12.62	V
	5716.02	-43.32	-13	-30.32	-64.61	-49.13	7.32	13.13	V
	7621.36	-54.66	-13	-41.66	-80.53	-57.82	8.38	11.54	V

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



LTE Band 2 / 10MHz / QPSK									
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	3701.18	-60.98	-13	-47.98	-77.90	-67.74	5.82	12.58	H
	5551.77	-47.02	-13	-34.02	-67.93	-52.74	7.28	13.00	H
	7402.36	-53.59	-13	-40.59	-80.43	-56.75	8.32	11.48	H
	3701.18	-55.00	-13	-42.00	-71.95	-61.76	5.82	12.58	V
	5551.77	-42.23	-13	-29.23	-63.34	-47.95	7.28	13.00	V
	7402.36	-52.54	-13	-39.54	-79.06	-55.70	8.32	11.48	V
Middle	3751.18	-61.76	-13	-48.76	-78.76	-69.36	5.00	12.60	H
	5626.77	-49.72	-13	-36.72	-70.57	-55.52	7.30	13.10	H
	7502.00	-54.67	-13	-41.67	-81.09	-58.24	7.73	11.30	H
	3751.18	-55.17	-13	-42.17	-72.21	-62.77	5.00	12.60	V
	5626.77	-44.32	-13	-31.32	-65.44	-50.12	7.30	13.10	V
	7502.00	-53.69	-13	-40.69	-79.87	-57.26	7.73	11.30	V
Highest	3801.18	-53.04	-13	-40.04	-70.12	-59.78	5.88	12.62	H
	5701.77	-41.10	-13	-28.10	-62.04	-46.91	7.32	13.13	H
	7602.36	-53.11	-13	-40.11	-79.11	-56.27	8.38	11.54	H
	3801.18	-53.78	-13	-40.78	-70.9	-60.52	5.88	12.62	V
	5701.77	-41.12	-13	-28.12	-62.41	-46.93	7.32	13.13	V
	7602.36	-53.21	-13	-40.21	-79.08	-56.37	8.38	11.54	V

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



LTE Band 2 / 15MHz / QPSK									
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	3701.68	-58.32	-13	-45.32	-75.24	-65.08	5.82	12.58	H
	5552.52	-45.20	-13	-32.20	-66.11	-50.92	7.28	13.00	H
	7403.36	-52.73	-13	-39.73	-79.57	-55.89	8.32	11.48	H
	3701.68	-54.02	-13	-41.02	-70.97	-60.78	5.82	12.58	V
	5552.52	-40.26	-13	-27.26	-61.37	-45.98	7.28	13.00	V
	7403.36	-52.02	-13	-39.02	-78.54	-55.18	8.32	11.48	V
Middle	3746.68	-58.14	-13	-45.14	-75.14	-65.74	5.00	12.60	H
	5620.02	-49.41	-13	-36.41	-70.26	-55.21	7.30	13.10	H
	7493.36	-52.71	-13	-39.71	-79.13	-56.28	7.73	11.30	H
	3746.68	-54.72	-13	-41.72	-71.76	-62.32	5.00	12.60	V
	5620.02	-43.62	-13	-30.62	-64.74	-49.42	7.30	13.10	V
	7493.36	-54.28	-13	-41.28	-80.46	-57.85	7.73	11.30	V
Highest	3791.68	-57.15	-13	-44.15	-74.21	-63.89	5.88	12.62	H
	5687.52	-46.08	-13	-33.08	-66.95	-51.89	7.32	13.13	H
	7583.36	-50.33	-13	-37.33	-76.40	-53.49	8.38	11.54	H
	3791.68	-51.06	-13	-38.06	-68.16	-57.80	5.88	12.62	V
	5687.52	-38.81	-13	-25.81	-60.04	-44.62	7.32	13.13	V
	7583.36	-52.13	-13	-39.13	-78.05	-55.29	8.38	11.54	V

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



LTE Band 2 / 20MHz / QPSK									
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	3702.18	-58.41	-13	-45.41	-75.33	-65.17	5.82	12.58	H
	5553.27	-46.04	-13	-33.04	-66.95	-51.76	7.28	13.00	H
	7404.36	-52.43	-13	-39.43	-79.27	-55.59	8.32	11.48	H
	3702.18	-53.71	-13	-40.71	-70.66	-60.47	5.82	12.58	V
	5553.27	-41.25	-13	-28.25	-62.36	-46.97	7.28	13.00	V
	7404.36	-52.37	-13	-39.37	-78.89	-55.53	8.32	11.48	V
Middle	3742.18	-57.61	-13	-44.61	-74.57	-65.21	5.00	12.60	H
	5613.27	-47.82	-13	-34.82	-68.85	-53.62	7.30	13.10	H
	7484.36	-53.44	-13	-40.44	-79.94	-57.01	7.73	11.30	H
	3742.18	-52.98	-13	-39.98	-69.98	-60.58	5.00	12.60	V
	5613.27	-43.73	-13	-30.73	-64.91	-49.53	7.30	13.10	V
	7484.36	-53.38	-13	-40.38	-79.63	-56.95	7.73	11.30	V
Highest	3782.18	-58.67	-13	-45.67	-75.73	-65.41	5.88	12.62	H
	5673.27	-48.17	-13	-35.17	-68.97	-53.98	7.32	13.13	H
	7564.36	-50.76	-13	-37.76	-76.90	-53.92	8.38	11.54	H
	3782.18	-52.85	-13	-39.85	-69.95	-59.59	5.88	12.62	V
	5673.27	-41.78	-13	-28.78	-62.96	-47.59	7.32	13.13	V
	7564.36	-53.13	-13	-40.13	-79.11	-56.29	8.38	11.54	V

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



LTE Band 4 / 1.4MHz / QPSK									
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	-57.71	-13	-44.71	-72.88	-64.59	5.60	12.48	H
	5130.48	-37.88	-13	-24.88	-57.97	-43.56	7.10	12.78	H
	6840.64	-46.28	-13	-33.28	-71.17	-49.67	8.38	11.77	H
	3420.32	-58.81	-13	-45.81	-74.02	-65.69	5.60	12.48	V
	5130.48	-42.28	-13	-29.28	-62.8	-47.96	7.10	12.78	V
	6840.64	-44.47	-13	-31.47	-69.59	-47.86	8.38	11.77	V
Middle	3463.74	-57.77	-13	-44.77	-73.39	-65.74	4.63	12.60	H
	5195.61	-38.77	-13	-25.77	-58.94	-45.22	6.25	12.70	H
	6927.48	-49.89	-13	-36.89	-75.19	-54.66	8.23	13.00	H
	3463.74	-62.08	-13	-49.08	-77.73	-70.05	4.63	12.6	V
	5195.61	-44.04	-13	-31.04	-64.66	-50.49	6.25	12.7	V
	6927.48	-47.66	-13	-34.66	-73.07	-52.43	8.23	13	V
Highest	3507.52	-57.05	-13	-44.05	-73.11	-63.89	5.68	12.52	H
	5261.28	-40.14	-13	-27.14	-59.87	-45.81	7.15	12.82	H
	7015.04	-52.29	-13	-39.29	-77.94	-55.72	8.42	11.85	H
	3507.52	-61.56	-13	-48.56	-77.65	-68.40	5.68	12.52	V
	5261.28	-44.82	-13	-31.82	-64.6	-50.49	7.15	12.82	V
	7015.04	-50.38	-13	-37.38	-76.13	-53.81	8.42	11.85	V

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



LTE Band 4 / 3MHz / QPSK									
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	-57.96	-13	-44.96	-73.13	-64.84	5.60	12.48	H
	5131.02	-37.42	-13	-24.42	-57.51	-43.10	7.10	12.78	H
	6841.36	-46.29	-13	-33.29	-71.18	-49.68	8.38	11.77	H
	3420.68	-58.42	-13	-45.42	-73.63	-65.30	5.60	12.48	V
	5131.02	-41.77	-13	-28.77	-62.29	-47.45	7.10	12.78	V
	6841.36	-44.31	-13	-31.31	-69.43	-47.70	8.38	11.77	V
Middle	3462.48	-57.55	-13	-44.55	-73.17	-65.52	4.63	12.60	H
	5193.72	-39.19	-13	-26.19	-59.36	-45.64	6.25	12.70	H
	6924.96	-51.09	-13	-38.09	-76.39	-55.86	8.23	13.00	H
	3462.48	-61.05	-13	-48.05	-76.7	-69.02	4.63	12.6	V
	5193.72	-44.04	-13	-31.04	-64.66	-50.49	6.25	12.7	V
	6924.96	-48.33	-13	-35.33	-73.74	-53.10	8.23	13	V
Highest	3504.48	-57.00	-13	-44.00	-72.91	-63.84	5.68	12.52	H
	5256.72	-38.52	-13	-25.52	-58.16	-44.19	7.15	12.82	H
	7008.96	-51.95	-13	-38.95	-77.54	-55.38	8.42	11.85	H
	3504.48	-60.78	-13	-47.78	-76.72	-67.62	5.68	12.52	V
	5256.72	-44.32	-13	-31.32	-63.97	-49.99	7.15	12.82	V
	7008.96	-49.92	-13	-36.92	-75.53	-53.35	8.42	11.85	V

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



LTE Band 4 / 5MHz / QPSK									
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	-57.98	-13	-44.98	-73.15	-64.86	5.60	12.48	H
	5131.02	-37.63	-13	-24.63	-57.72	-43.31	7.10	12.78	H
	6841.36	-45.82	-13	-32.82	-70.71	-49.21	8.38	11.77	H
	3420.68	-60.76	-13	-47.76	-75.97	-67.64	5.60	12.48	V
	5131.02	-42.43	-13	-29.43	-62.95	-48.11	7.10	12.78	V
	6841.36	-43.61	-13	-30.61	-68.73	-47.00	8.38	11.77	V
Middle	3460.68	-58.09	-13	-45.09	-73.71	-66.06	4.63	12.60	H
	5191.02	-39.85	-13	-26.85	-60.02	-46.30	6.25	12.70	H
	6921.36	-50.90	-13	-37.90	-76.11	-55.67	8.23	13.00	H
	3460.68	-61.71	-13	-48.71	-77.36	-69.68	4.63	12.6	V
	5191.02	-44.70	-13	-31.70	-65.32	-51.15	6.25	12.7	V
	6921.36	-48.84	-13	-35.84	-74.19	-53.61	8.23	13	V
Highest	3500.68	-56.76	-13	-43.76	-72.67	-63.60	5.68	12.52	H
	5251.02	-38.13	-13	-25.13	-57.77	-43.80	7.15	12.82	H
	7001.36	-51.00	-13	-38.00	-76.62	-54.43	8.42	11.85	H
	3500.68	-60.71	-13	-47.71	-76.65	-67.55	5.68	12.52	V
	5251.02	-43.01	-13	-30.01	-62.66	-48.68	7.15	12.82	V
	7001.36	-48.63	-13	-35.63	-74.27	-52.06	8.42	11.85	V

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



LTE Band 4 / 10MHz / QPSK									
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	-58.37	-13	-45.37	-73.54	-65.25	5.60	12.48	H
	5131.77	-37.76	-13	-24.76	-57.85	-43.44	7.10	12.78	H
	6842.36	-46.21	-13	-33.21	-71.10	-49.60	8.38	11.77	H
	3421.18	-61.12	-13	-48.12	-76.33	-68.00	5.60	12.48	V
	5131.77	-42.04	-13	-29.04	-62.56	-47.72	7.10	12.78	V
	6842.36	-44.09	-13	-31.09	-69.21	-47.48	8.38	11.77	V
Middle	3456.18	-59.14	-13	-46.14	-74.61	-67.11	4.63	12.60	H
	5184.27	-41.67	-13	-28.67	-61.82	-48.12	6.25	12.70	H
	6912.36	-51.35	-13	-38.35	-76.56	-56.12	8.23	13.00	H
	3456.18	-61.77	-13	-48.77	-77.27	-69.74	4.63	12.6	V
	5184.27	-45.89	-13	-32.89	-66.49	-52.34	6.25	12.7	V
	6912.36	-49.51	-13	-36.51	-74.86	-54.28	8.23	13	V
Highest	3491.18	-54.98	-13	-41.98	-70.89	-61.82	5.68	12.52	H
	5236.77	-36.87	-13	-23.87	-56.69	-42.54	7.15	12.82	H
	6982.36	-50.04	-13	-37.04	-75.57	-53.47	8.42	11.85	H
	3491.18	-60.69	-13	-47.69	-76.63	-67.53	5.68	12.52	V
	5236.77	-40.49	-13	-27.49	-60.47	-46.16	7.15	12.82	V
	6982.36	-47.45	-13	-34.45	-73.02	-50.88	8.42	11.85	V

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



LTE Band 4 / 15MHz / QPSK									
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	-57.81	-13	-44.81	-72.98	-64.69	5.60	12.48	H
	5132.52	-37.51	-13	-24.51	-57.60	-43.19	7.10	12.78	H
	6843.36	-46.36	-13	-33.36	-71.25	-49.75	8.38	11.77	H
	3421.68	-57.84	-13	-44.84	-73.05	-64.72	5.60	12.48	V
	5132.52	-42.17	-13	-29.17	-62.69	-47.85	7.10	12.78	V
	6843.36	-44.15	-13	-31.15	-69.27	-47.54	8.38	11.77	V
Middle	3451.68	-59.39	-13	-46.39	-74.86	-67.36	4.63	12.60	H
	5177.52	-41.92	-13	-28.92	-62.07	-48.37	6.25	12.70	H
	6903.36	-52.79	-13	-39.79	-77.91	-57.56	8.23	13.00	H
	3451.68	-63.03	-13	-50.03	-78.53	-71.00	4.63	12.6	V
	5177.52	-45.76	-13	-32.76	-66.36	-52.21	6.25	12.7	V
	6903.36	-50.17	-13	-37.17	-75.45	-54.94	8.23	13	V
Highest	3481.68	-54.50	-13	-41.50	-70.26	-54.01	5.68	12.52	H
	5222.52	-35.70	-13	-22.70	-55.70	-54.06	7.15	12.82	H
	6963.36	-48.16	-13	-35.16	-73.61	-55.29	8.42	11.85	H
	3481.68	-59.54	-13	-46.54	-75.34	-51.16	5.68	12.52	V
	5222.52	-39.64	-13	-26.64	-59.94	-49.44	7.15	12.82	V
	6963.36	-46.18	-13	-33.18	-71.7	-55.79	8.42	11.85	V

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



LTE Band 4 / 20MHz / QPSK									
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	-58.25	-13	-45.25	-73.42	-65.13	5.60	12.48	H
	5133.27	-38.12	-13	-25.12	-58.21	-43.80	7.10	12.78	H
	6844.36	-46.37	-13	-33.37	-71.26	-49.76	8.38	11.77	H
	3422.18	-59.10	-13	-46.10	-74.31	-65.98	5.60	12.48	V
	5133.27	-42.69	-13	-29.69	-63.21	-48.37	7.10	12.78	V
	6844.36	-44.15	-13	-31.15	-69.27	-47.54	8.38	11.77	V
Middle	3447.18	-61.05	-13	-48.05	-76.52	-69.02	4.63	12.60	H
	5170.77	-41.39	-13	-28.39	-61.52	-47.84	6.25	12.70	H
	6894.36	-52.06	-13	-39.06	-77.19	-56.83	8.23	13.00	H
	3447.18	-63.48	-13	-50.48	-78.98	-71.45	4.63	12.6	V
	5170.77	-45.30	-13	-32.30	-65.88	-51.75	6.25	12.7	V
	6894.36	-50.62	-13	-37.62	-75.91	-55.39	8.23	13	V
Highest	3472.18	-53.70	-13	-40.70	-69.32	-60.54	5.68	12.52	H
	5208.27	-36.39	-13	-23.39	-56.38	-42.06	7.15	12.82	H
	6944.36	-48.47	-13	-35.47	-73.84	-51.90	8.42	11.85	H
	3472.18	-60.37	-13	-47.37	-76.02	-67.21	5.68	12.52	V
	5208.27	-41.59	-13	-28.59	-61.88	-47.26	7.15	12.82	V
	6944.36	-45.95	-13	-32.95	-71.41	-49.38	8.42	11.85	V

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



LTE Band 5 / 1.4MHz / QPSK									
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	1649.92	-53.45	-13	-40.45	-62.52	-56.68	3.98	9.36	H
	2474.88	-61.66	-13	-48.66	-75.16	-65.21	4.85	10.55	H
	3299.84	-61.40	-13	-48.40	-76.98	-66.33	5.50	12.58	H
	4123.5	-60.57	-13	-47.57	-78.50	-65.04	5.98	12.60	H
	4949.76	-60.70	-13	-47.70	-80.66	-64.13	7.10	12.68	H
	1649.92	-54.05	-13	-41.05	-62.75	-57.28	3.98	9.36	V
	2474.88	-59.09	-13	-46.09	-72.52	-62.64	4.85	10.55	V
	3299.84	-63.36	-13	-50.36	-79.01	-68.29	5.50	12.58	V
	4123.5	-61.22	-13	-48.22	-79.13	-65.69	5.98	12.60	V
	4949.76	-61.01	-13	-48.01	-81.33	-64.44	7.10	12.68	V
Middle	1671.92	-57.07	-13	-44.07	-65.92	-60.32	4.00	9.40	H
	2507.88	-61.78	-13	-48.78	-75.26	-65.35	4.88	10.60	H
	3343.84	-60.64	-13	-47.64	-76.11	-65.57	5.52	12.60	H
	4179.8	-61.44	-13	-48.44	-79.42	-65.91	6.00	12.62	H
	5015.76	-59.97	-13	-46.97	-79.91	-63.38	7.14	12.70	H
	1671.92	-55.74	-13	-42.74	-64.38	-58.99	4.00	9.40	V
	2507.88	-59.00	-13	-46.00	-72.33	-62.57	4.88	10.60	V
	3343.84	-64.12	-13	-51.12	-79.59	-69.05	5.52	12.60	V
	4179.8	-62.29	-13	-49.29	-80.16	-66.76	6.00	12.62	V
	5015.76	-60.76	-13	-47.76	-81.10	-64.17	7.14	12.70	V
Highest	1695.52	-58.72	-13	-45.72	-67.70	-61.89	4.10	9.42	H
	2543.28	-64.99	-13	-51.99	-78.39	-68.57	4.90	10.63	H
	3391.04	-65.09	-13	-52.09	-80.12	-70.01	5.55	12.62	H
	4241.5	-62.78	-13	-49.78	-80.98	-67.26	6.02	12.65	H
	5086.56	-60.91	-13	-47.91	-80.94	-64.33	7.15	12.72	H
	1695.52	-55.96	-13	-42.96	-64.74	-59.13	4.10	9.42	V
	2543.28	-63.50	-13	-50.50	-76.80	-67.08	4.90	10.63	V
	3391.04	-64.69	-13	-51.69	-79.75	-69.61	5.55	12.62	V
	4241.5	-63.08	-13	-50.08	-81.23	-67.56	6.02	12.65	V
	5086.56	-60.68	-13	-47.68	-81.13	-64.10	7.15	12.72	V

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



LTE Band 5 / 3MHz / QPSK									
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	1648.48	-53.44	-13	-40.44	-62.51	-56.67	3.98	9.36	H
	2472.72	-61.48	-13	-48.48	-74.98	-65.03	4.85	10.55	H
	3296.96	-61.02	-13	-48.02	-76.60	-65.95	5.50	12.58	H
	4120.75	-60.80	-13	-47.80	-78.73	-65.27	5.98	12.60	H
	4944.9	-60.27	-13	-47.27	-80.23	-63.70	7.10	12.68	H
	1648.48	-53.27	-13	-40.27	-61.97	-56.50	3.98	9.36	V
	2472.72	-58.92	-13	-45.92	-72.35	-62.47	4.85	10.55	V
	3296.96	-63.72	-13	-50.72	-79.37	-68.65	5.50	12.58	V
	4120.75	-61.06	-13	-48.06	-78.97	-65.53	5.98	12.60	V
	4944.9	-60.66	-13	-47.66	-80.98	-64.09	7.10	12.68	V
Middle	1670.48	-58.34	-13	-45.34	-67.31	-61.59	4.00	9.40	H
	2505.72	-62.31	-13	-49.31	-75.79	-65.88	4.88	10.60	H
	3340.96	-60.70	-13	-47.70	-76.17	-65.63	5.52	12.60	H
	4175.75	-61.18	-13	-48.18	-79.16	-65.65	6.00	12.62	H
	5010.9	-60.73	-13	-47.73	-80.67	-64.14	7.14	12.70	H
	1670.48	-57.05	-13	-44.05	-65.74	-60.30	4.00	9.40	V
	2505.72	-59.40	-13	-46.40	-72.73	-62.97	4.88	10.60	V
	3340.96	-63.54	-13	-50.54	-79.01	-68.47	5.52	12.60	V
	4175.75	-62.55	-13	-49.55	-80.42	-67.02	6.00	12.62	V
	5010.9	-60.95	-13	-47.95	-81.29	-64.36	7.14	12.70	V
Highest	1692.48	-55.20	-13	-42.20	-64.18	-58.37	4.10	9.42	H
	2538.72	-65.27	-13	-52.27	-78.66	-68.85	4.90	10.63	H
	3384.96	-63.92	-13	-50.92	-79.09	-68.84	5.55	12.62	H
	4230.75	-62.54	-13	-49.54	-80.68	-67.02	6.02	12.65	H
	5076.9	-61.23	-13	-48.23	-81.26	-64.65	7.15	12.72	H
	1692.48	-53.74	-13	-40.74	-62.52	-56.91	4.10	9.42	V
	2538.72	-65.16	-13	-52.16	-78.45	-68.74	4.90	10.63	VV
	3384.96	-64.61	-13	-51.61	-79.81	-69.53	5.55	12.62	V
	4230.75	-62.83	-13	-49.83	-80.91	-67.31	6.02	12.65	V
	5076.9	-60.63	-13	-47.63	-81.08	-64.05	7.15	12.72	V

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



LTE Band 5 / 5MHz / QPSK									
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	1648.68	-52.30	-13	-39.30	-61.37	-55.53	3.98	9.36	H
	2473.02	-61.60	-13	-48.60	-75.10	-65.15	4.85	10.55	H
	3297.36	-61.33	-13	-48.33	-76.91	-66.26	5.50	12.58	H
	4121.25	-60.57	-13	-47.57	-78.50	-65.04	5.98	12.60	H
	4945.5	-60.48	-13	-47.48	-80.44	-63.91	7.10	12.68	H
	1648.68	-52.68	-13	-39.68	-61.38	-55.91	3.98	9.36	V
	2473.02	-59.32	-13	-46.32	-72.75	-62.87	4.85	10.55	V
	3297.36	-63.38	-13	-50.38	-79.03	-68.31	5.50	12.58	V
	4121.25	-60.68	-13	-47.68	-78.59	-65.15	5.98	12.60	V
	4945.5	-60.84	-13	-47.84	-81.16	-64.27	7.10	12.68	V
Middle	1668.68	-60.62	-13	-47.62	-69.59	-63.87	4.00	9.40	H
	2503.02	-63.09	-13	-50.09	-76.59	-66.66	4.88	10.60	H
	3337.36	-62.00	-13	-49.00	-77.50	-66.93	5.52	12.60	H
	4171.25	-61.86	-13	-48.86	-79.86	-66.33	6.00	12.62	H
	5005.5	-61.01	-13	-48.01	-80.95	-64.42	7.14	12.70	H
	1668.68	-58.68	-13	-45.68	-67.37	-61.93	4.00	9.40	V
	2503.02	-60.79	-13	-47.79	-74.18	-64.36	4.88	10.60	V
	3337.36	-64.05	-13	-51.05	-79.58	-68.98	5.52	12.60	V
	4171.25	-62.47	-13	-49.47	-80.36	-66.94	6.00	12.62	V
	5005.5	-60.65	-13	-47.65	-80.99	-64.06	7.14	12.70	V
Highest	1688.68	-53.40	-13	-40.40	-62.38	-56.57	4.10	9.42	H
	2533.02	-64.29	-13	-51.29	-77.73	-67.87	4.90	10.63	H
	3377.36	-61.89	-13	-48.89	-77.06	-66.81	5.55	12.62	H
	4221.25	-61.48	-13	-48.48	-79.57	-65.96	6.02	12.65	H
	5065.5	-60.84	-13	-47.84	-80.84	-64.26	7.15	12.72	H
	1688.68	-50.74	-13	-37.74	-59.52	-53.91	4.10	9.42	V
	2533.02	-61.43	-13	-48.43	-74.75	-65.01	4.90	10.63	V
	3377.36	-63.93	-13	-50.93	-79.13	-68.85	5.55	12.62	V
	4221.25	-62.50	-13	-49.50	-80.51	-66.98	6.02	12.65	V
	5065.5	-60.86	-13	-47.86	-81.28	-64.28	7.15	12.72	V

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



LTE Band 5 / 10MHz / QPSK									
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	1649.18	-52.84	-13	-39.84	-61.91	-56.07	3.98	9.36	H
	2473.77	-61.14	-13	-48.14	-74.64	-64.69	4.85	10.55	H
	3298.36	-60.55	-13	-47.55	-76.13	-65.48	5.50	12.58	H
	4122.5	-60.43	-13	-47.43	-78.36	-64.90	5.98	12.60	H
	4947	-60.44	-13	-47.44	-80.40	-63.87	7.10	12.68	H
	1649.18	-53.26	-13	-40.26	-61.96	-56.49	3.98	9.36	V
	2473.77	-58.51	-13	-45.51	-71.94	-62.06	4.85	10.55	V
	3298.36	-62.95	-13	-49.95	-78.60	-67.88	5.50	12.58	V
	4122.5	-60.60	-13	-47.60	-78.51	-65.07	5.98	12.60	V
	4947	-60.77	-13	-47.77	-81.09	-64.20	7.10	12.68	V
Middle	1664.18	-59.10	-13	-46.10	-68.07	-62.35	4.00	9.40	H
	2496.27	-63.59	-13	-50.59	-77.09	-67.16	4.88	10.60	H
	3328.36	-63.75	-13	-50.75	-79.25	-68.68	5.52	12.60	H
	4160	-62.57	-13	-49.57	-80.54	-67.04	6.00	12.62	H
	4992	-60.94	-13	-47.94	-80.86	-64.35	7.14	12.70	H
	1664.18	-55.27	-13	-42.27	-63.96	-58.52	4.00	9.40	V
	2496.27	-63.09	-13	-50.09	-76.48	-66.66	4.88	10.60	V
	3328.36	-63.76	-13	-50.76	-79.29	-68.69	5.52	12.60	V
	4160	-62.51	-13	-49.51	-80.40	-66.98	6.00	12.62	V
	4992	-60.43	-13	-47.43	-80.75	-63.84	7.14	12.70	V
Highest	1679.18	-52.74	-13	-39.74	-61.61	-55.91	4.10	9.42	H
	2518.77	-60.15	-13	-47.15	-73.64	-63.73	4.90	10.63	H
	3358.36	-60.66	-13	-47.66	-75.98	-65.58	5.55	12.62	H
	4197.5	-59.54	-13	-46.54	-77.58	-64.02	6.02	12.65	H
	5037	-57.95	-13	-44.95	-77.92	-61.37	7.15	12.72	H
	1679.18	-50.98	-13	-37.98	-59.64	-54.15	4.10	9.42	V
	2518.77	-57.65	-13	-44.65	-70.99	-61.23	4.90	10.63	V
	3358.36	-63.36	-13	-50.36	-78.69	-68.28	5.55	12.62	V
	4197.5	-60.42	-13	-47.42	-78.37	-64.90	6.02	12.65	V
	5037	-60.30	-13	-47.30	-80.67	-63.72	7.15	12.72	V

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



LTE Band 12 / 1.4MHz / QPSK									
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	1398.14	-53.72	-13	-40.72	-63.13	-56.95	3.98	9.36	H
	2097.21	-61.07	-13	-48.07	-73.80	-64.62	4.85	10.55	H
	2796.28	-62.98	-13	-49.98	-76.73	-67.91	5.50	12.58	H
	3495.35	-59.94	-13	-46.94	-75.85	-64.41	5.98	12.60	H
	4194.42	-60.87	-13	-47.87	-78.91	-64.30	7.10	12.68	H
	1398.14	-50.99	-13	-37.99	-60.32	-54.22	3.98	9.36	V
	2097.21	-55.82	-13	-42.82	-68.48	-59.37	4.85	10.55	V
	2796.28	-63.68	-13	-50.68	-78.14	-68.61	5.50	12.58	V
	3495.35	-61.45	-13	-48.45	-77.39	-65.92	5.98	12.60	V
	4194.42	-61.56	-13	-48.56	-79.51	-64.99	7.10	12.68	V
Middle	1413.74	-55.45	-13	-42.45	-64.90	-58.70	4.00	9.40	H
	2120.61	-60.59	-13	-47.59	-73.57	-64.16	4.88	10.60	H
	2827.48	-63.19	-13	-50.19	-77.11	-68.12	5.52	12.60	H
	3534.35	-59.27	-13	-46.27	-75.46	-63.74	6.00	12.62	H
	4241.22	-61.96	-13	-48.96	-80.16	-65.37	7.14	12.70	H
	1413.74	-52.46	-13	-39.46	-61.87	-55.71	4.00	9.40	V
	2120.61	-58.07	-13	-45.07	-70.96	-61.64	4.88	10.60	V
	2827.48	-63.37	-13	-50.37	-77.90	-68.30	5.52	12.60	V
	3534.35	-61.29	-13	-48.29	-77.52	-65.76	6.00	12.62	V
	4241.22	-61.94	-13	-48.94	-80.09	-65.35	7.14	12.70	V
Highest	1429.34	-53.54	-13	-40.54	-63.03	-56.71	4.10	9.42	H
	2144.01	-58.36	-13	-45.36	-71.59	-61.94	4.90	10.63	H
	2858.68	-58.87	-13	-45.87	-73.11	-63.79	5.55	12.62	H
	3573.35	-55.58	-13	-42.58	-72.05	-60.06	6.02	12.65	H
	4288.02	-61.23	-13	-48.23	-79.52	-64.65	7.15	12.72	H
	1429.34	-51.01	-13	-38.01	-60.40	-54.18	4.10	9.42	V
	2144.01	-53.51	-13	-40.51	-66.63	-57.09	4.90	10.63	V
	2858.68	-59.12	-13	-46.12	-73.75	-64.04	5.55	12.62	V
	3573.35	-57.78	-13	-44.78	-74.28	-62.26	6.02	12.65	V
	4288.02	-62.13	-13	-49.13	-80.41	-65.55	7.15	12.72	V

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



LTE Band 12 / 3MHz / QPSK									
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	1398.3	-53.09	-13	-40.09	-62.50	-56.32	3.98	9.36	H
	2097.45	-60.06	-13	-47.06	-72.79	-63.61	4.85	10.55	H
	2796.6	-62.86	-13	-49.86	-76.61	-67.79	5.50	12.58	H
	3495.75	-59.96	-13	-46.96	-75.87	-64.43	5.98	12.60	H
	4194.9	-60.44	-13	-47.44	-78.48	-63.87	7.10	12.68	H
	1398.3	-50.66	-13	-37.66	-59.99	-53.89	3.98	9.36	V
	2097.45	-56.55	-13	-43.55	-69.21	-60.10	4.85	10.55	V
	2796.6	-63.03	-13	-50.03	-77.49	-67.96	5.50	12.58	V
	3495.75	-60.87	-13	-47.87	-76.81	-65.34	5.98	12.60	V
	4194.9	-60.47	-13	-47.47	-78.42	-63.90	7.10	12.68	V
Middle	1412.3	-55.03	-13	-42.03	-64.48	-58.28	4.00	9.40	H
	2118.45	-60.44	-13	-47.44	-73.42	-64.01	4.88	10.60	H
	2824.6	-61.92	-13	-48.92	-75.84	-66.85	5.52	12.60	H
	3530.75	-58.88	-13	-45.88	-75.07	-63.35	6.00	12.62	H
	4236.9	-61.56	-13	-48.56	-79.70	-64.97	7.14	12.70	H
	1412.3	-51.56	-13	-38.56	-60.97	-54.81	4.00	9.40	V
	2118.45	-57.84	-13	-44.84	-70.73	-61.41	4.88	10.60	V
	2824.6	-62.89	-13	-49.89	-77.42	-67.82	5.52	12.60	V
	3530.75	-60.73	-13	-47.73	-76.96	-65.20	6.00	12.62	V
	4236.9	-61.43	-13	-48.43	-79.51	-64.84	7.14	12.70	V
Highest	1425.9	-52.70	-13	-39.70	-62.19	-55.87	4.10	9.42	H
	2138.85	-58.46	-13	-45.46	-71.69	-62.04	4.90	10.63	H
	2851.8	-60.88	-13	-47.88	-75.12	-65.80	5.55	12.62	H
	3564.75	-56.45	-13	-43.45	-72.92	-60.93	6.02	12.65	H
	4277.7	-61.75	-13	-48.75	-80.04	-65.17	7.15	12.72	H
	1425.9	-51.43	-13	-38.43	-60.82	-54.60	4.10	9.42	V
	2138.85	-55.09	-13	-42.09	-68.21	-58.67	4.90	10.63	V
	2851.8	-61.59	-13	-48.59	-76.22	-66.51	5.55	12.62	V
	3564.75	-59.11	-13	-46.11	-75.61	-63.59	6.02	12.65	V
	4277.7	-61.45	-13	-48.45	-79.73	-64.87	7.15	12.72	V

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



LTE Band 12 / 5MHz / QPSK									
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	1398.5	-53.37	-13	-40.37	-62.78	-56.60	3.98	9.36	H
	2097.75	-61.38	-13	-48.38	-74.11	-64.93	4.85	10.55	H
	2797	-63.51	-13	-50.51	-77.26	-68.44	5.50	12.58	H
	3496.25	-60.29	-13	-47.29	-76.20	-64.76	5.98	12.60	H
	4195.5	-60.66	-13	-47.66	-78.70	-64.09	7.10	12.68	H
	1398.5	-51.38	-13	-38.38	-60.71	-54.61	3.98	9.36	V
	2097.75	-57.23	-13	-44.23	-69.89	-60.78	4.85	10.55	V
	2797	-64.22	-13	-51.22	-78.68	-69.15	5.50	12.58	V
	3496.25	-61.22	-13	-48.22	-77.16	-65.69	5.98	12.60	V
	4195.5	-60.80	-13	-47.80	-78.75	-64.23	7.10	12.68	V
Middle	1410.5	-53.35	-13	-40.35	-62.80	-56.60	4.00	9.40	H
	2115.75	-60.37	-13	-47.37	-73.35	-63.94	4.88	10.60	H
	2821	-62.13	-13	-49.13	-76.04	-67.06	5.52	12.60	H
	3526.25	-59.34	-13	-46.34	-75.53	-63.81	6.00	12.62	H
	4231.5	-61.88	-13	-48.88	-80.02	-65.29	7.14	12.70	H
	1410.5	-51.34	-13	-38.34	-60.75	-54.59	4.00	9.40	V
	2115.75	-57.08	-13	-44.08	-69.97	-60.65	4.88	10.60	V
	2821	-62.49	-13	-49.49	-77.01	-67.42	5.52	12.60	V
	3526.25	-60.61	-13	-47.61	-76.84	-65.08	6.00	12.62	V
	4231.5	-61.92	-13	-48.92	-80.00	-65.33	7.14	12.70	V
Highest	1422.5	-53.13	-13	-40.13	-62.62	-56.30	4.10	9.42	H
	2133.75	-60.52	-13	-47.52	-73.73	-64.10	4.90	10.63	H
	2845	-61.65	-13	-48.65	-75.88	-66.57	5.55	12.62	H
	3556.25	-57.31	-13	-44.31	-73.64	-61.79	6.02	12.65	H
	4267.5	-62.56	-13	-49.56	-80.80	-65.98	7.15	12.72	H
	1422.5	-51.66	-13	-38.66	-61.05	-54.83	4.10	9.42	V
	2133.75	-56.02	-13	-43.02	-69.12	-59.60	4.90	10.63	V
	2845	-62.96	-13	-49.96	-77.58	-67.88	5.55	12.62	V
	3556.25	-59.88	-13	-46.88	-76.24	-64.36	6.02	12.65	V
	4267.5	-61.83	-13	-48.83	-80.04	-65.25	7.15	12.72	V

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



LTE Band 12 / 10MHz / QPSK									
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	1399	-52.85	-13	-39.85	-62.26	-56.08	3.98	9.36	H
	2098.5	-60.99	-13	-47.99	-73.72	-64.54	4.85	10.55	H
	2798	-62.58	-13	-49.58	-76.34	-67.51	5.50	12.58	H
	3497	-60.43	-13	-47.43	-76.34	-64.90	5.98	12.60	H
	4197	-60.55	-13	-47.55	-78.59	-63.98	7.10	12.68	H
	1399	-50.74	-13	-37.74	-60.07	-53.97	3.98	9.36	V
	2098.5	-57.46	-13	-44.46	-70.12	-61.01	4.85	10.55	V
	2798	-63.37	-13	-50.37	-77.84	-68.30	5.50	12.58	V
	3497	-61.48	-13	-48.48	-77.42	-65.95	5.98	12.60	V
	4197	-61.09	-13	-48.09	-79.04	-64.52	7.10	12.68	V
Middle	1406	-52.08	-13	-39.08	-61.53	-55.33	4.00	9.40	H
	2109	-60.09	-13	-47.09	-72.82	-63.66	4.88	10.60	H
	2812	-63.18	-13	-50.18	-77.09	-68.11	5.52	12.60	H
	3515	-59.62	-13	-46.62	-75.67	-64.09	6.00	12.62	H
	4218	-60.06	-13	-47.06	-78.15	-63.47	7.14	12.70	H
	1406	-49.45	-13	-36.45	-58.86	-52.70	4.00	9.40	V
	2109	-56.46	-13	-43.46	-69.12	-60.03	4.88	10.60	V
	2812	-62.92	-13	-49.92	-77.44	-67.85	5.52	12.60	V
	3515	-61.34	-13	-48.34	-77.42	-65.81	6.00	12.62	V
	4218	-60.66	-13	-47.66	-78.67	-64.07	7.14	12.70	V
Highest	1413	-55.14	-13	-42.14	-64.59	-58.31	4.10	9.42	H
	2119.5	-60.42	-13	-47.42	-73.40	-64.00	4.90	10.63	H
	2826	-62.70	-13	-49.70	-76.62	-67.62	5.55	12.62	H
	3532.5	-59.56	-13	-46.56	-75.75	-64.04	6.02	12.65	H
	4239	-61.83	-13	-48.83	-80.03	-65.25	7.15	12.72	H
	1413	-52.60	-13	-39.60	-62.01	-55.77	4.10	9.42	V
	2119.5	-58.22	-13	-45.22	-71.11	-61.80	4.90	10.63	V
	2826	-62.89	-13	-49.89	-77.42	-67.81	5.55	12.62	V
	3532.5	-61.24	-13	-48.24	-77.47	-65.72	6.02	12.65	V
	4239	-62.47	-13	-49.47	-80.62	-65.89	7.15	12.72	V

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



LTE Band 13 / 5MHz / QPSK									
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	1554.5	-59.24	-13	-46.24	-68.68	-62.47	3.98	9.36	H
	2331.75	-64.28	-13	-51.28	-78.05	-67.83	4.85	10.55	H
	3109	-63.25	-13	-50.25	-79.00	-68.18	5.50	12.58	H
	1554.5	-55.62	-13	-42.62	-64.56	-58.85	3.98	9.36	V
	2331.75	-64.36	-13	-51.36	-78.15	-67.91	4.85	10.55	V
	3109	-63.51	-13	-50.51	-79.11	-68.44	5.50	12.58	V
Middle	1559.5	-61.86	-40	-21.86	-71.30	-65.11	4.00	9.40	H
	2339.25	-64.38	-13	-51.38	-78.10	-67.95	4.88	10.60	H
	3119	-63.50	-13	-50.50	-79.26	-68.43	5.52	12.60	H
	1559.5	-57.59	-40	-17.59	-66.53	-60.84	4.00	9.40	V
	2339.25	-64.50	-13	-51.50	-78.27	-68.07	4.88	10.60	V
	3119	-63.61	-13	-50.61	-79.30	-68.54	5.52	12.60	V
Highest	1564.5	-65.14	-40	-25.14	-74.58	-68.31	4.10	9.42	H
	2346.75	-64.65	-13	-51.65	-78.37	-68.23	4.90	10.63	H
	3129	-63.50	-13	-50.50	-79.26	-68.42	5.55	12.62	H
	1564.5	-56.81	-40	-16.81	-65.75	-59.98	4.10	9.42	V
	2346.75	-64.63	-13	-51.63	-78.40	-68.21	4.90	10.63	V
	3129	-63.63	-13	-50.63	-79.32	-68.55	5.55	12.62	V

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

LTE Band 13 / 10MHz / QPSK									
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	1559.5	-64.81	-40	-24.81	-74.25	-68.06	4.00	9.40	H
	2339.25	-64.98	-13	-51.98	-78.70	-68.55	4.88	10.60	H
	3119	-63.43	-13	-50.43	-79.19	-68.36	5.52	12.60	H
	1559.5	-63.51	-40	-23.51	-72.45	-66.76	4.00	9.40	V
	2339.25	-64.77	-13	-51.77	-78.54	-68.34	4.88	10.60	V
	3119	-63.39	-13	-50.39	-79.08	-68.32	5.52	12.60	V

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



LTE Band 17 / 5MHz / QPSK									
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	1408.68	-50.62	-13	-37.62	-60.07	-53.85	3.98	9.36	H
	2113.02	-54.41	-13	-41.41	-67.16	-57.96	4.85	10.55	H
	2817.36	-61.38	-13	-48.38	-75.29	-66.31	5.50	12.58	H
	3521.7	-61.62	-13	-48.62	-77.67	-66.09	5.98	12.60	H
	4226.04	-61.14	-13	-48.14	-79.28	-64.57	7.10	12.68	H
	1408.68	-48.82	-13	-35.82	-58.23	-52.05	3.98	9.36	V
	2113.02	-59.83	-13	-46.83	-72.51	-63.38	4.85	10.55	V
	2817.36	-59.96	-13	-46.96	-74.48	-64.89	5.50	12.58	V
	3521.7	-58.75	-13	-45.75	-74.83	-63.22	5.98	12.60	V
	4226.04	-61.04	-13	-48.04	-79.12	-64.47	7.10	12.68	V
Middle	1415.68	-54.59	-13	-41.59	-64.04	-57.84	4.00	9.40	H
	2123.58	-54.57	-13	-41.57	-67.55	-58.14	4.88	10.60	H
	2831.36	-63.27	-13	-50.27	-77.35	-68.20	5.52	12.60	H
	3539.22	-60.92	-13	-47.92	-77.10	-65.39	6.00	12.62	H
	4247.06	-62.48	-13	-49.48	-80.68	-65.89	7.14	12.70	H
	1415.68	-52.21	-13	-39.21	-61.62	-55.46	4.00	9.40	V
	2123.58	-60.46	-13	-47.46	-73.35	-64.03	4.88	10.60	V
	2831.36	-60.73	-13	-47.73	-75.31	-65.66	5.52	12.60	V
	3539.22	-59.22	-13	-46.22	-75.44	-63.69	6.00	12.62	V
	4247.06	-62.66	-13	-49.66	-80.81	-66.07	7.14	12.70	V
Highest	1422.68	-51.04	-13	-38.04	-60.53	-54.21	4.10	9.42	H
	2134.02	-54.58	-13	-41.58	-67.79	-58.16	4.90	10.63	H
	2845.36	-61.95	-13	-48.95	-76.18	-66.87	5.55	12.62	H
	3556.7	-59.20	-13	-46.20	-75.53	-63.68	6.02	12.65	H
	4268.04	-61.03	-13	-48.03	-79.27	-64.45	7.15	12.72	H
	1422.68	-49.99	-13	-36.99	-59.38	-53.16	4.10	9.42	V
	2134.02	-59.68	-13	-46.68	-72.78	-63.26	4.90	10.63	V
	2845.36	-59.11	-13	-46.11	-73.73	-64.03	5.55	12.62	V
	3556.7	-56.52	-13	-43.52	-72.88	-61.00	6.02	12.65	V
	4268.04	-62.23	-13	-49.23	-80.44	-65.65	7.15	12.72	V

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



LTE Band 17 / 10MHz / QPSK									
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	1409.18	-51.38	-13	-38.38	-60.83	-54.61	3.98	9.36	H
	2113.77	-54.44	-13	-41.44	-67.42	-57.99	4.85	10.55	H
	2818.36	-61.99	-13	-48.99	-75.90	-66.92	5.50	12.58	H
	3522.95	-60.08	-13	-47.08	-76.13	-64.55	5.98	12.60	H
	4227.54	-61.03	-13	-48.03	-79.17	-64.46	7.10	12.68	H
	1409.18	-50.38	-13	-37.38	-59.79	-53.61	3.98	9.36	V
	2113.77	-58.92	-13	-45.92	-71.81	-62.47	4.85	10.55	V
	2818.36	-59.73	-13	-46.73	-74.25	-64.66	5.50	12.58	V
	3522.95	-59.19	-13	-46.19	-75.27	-63.66	5.98	12.60	V
	4227.54	-61.64	-13	-48.64	-79.72	-65.07	7.10	12.68	V
Middle	1411.18	-51.63	-13	-38.63	-61.08	-54.88	4.00	9.40	H
	2116.77	-54.17	-13	-41.17	-67.15	-57.74	4.88	10.60	H
	2822.36	-62.23	-13	-49.23	-76.14	-67.16	5.52	12.60	H
	3527.95	-61.21	-13	-48.21	-77.40	-65.68	6.00	12.62	H
	4233.54	-61.37	-13	-48.37	-79.51	-64.78	7.14	12.70	H
	1411.18	-50.35	-13	-37.35	-59.76	-53.60	4.00	9.40	V
	2116.77	-60.01	-13	-47.01	-72.90	-63.58	4.88	10.60	V
	2822.36	-59.70	-13	-46.70	-74.22	-64.63	5.52	12.60	V
	3527.95	-59.09	-13	-46.09	-75.32	-63.56	6.00	12.62	V
	4233.54	-62.02	-13	-49.02	-80.10	-65.43	7.14	12.70	V
Highest	1413.18	-53.68	-13	-40.68	-63.13	-56.85	4.10	9.42	H
	2119.77	-55.49	-13	-42.49	-68.47	-59.07	4.90	10.63	H
	2826.36	-62.86	-13	-49.86	-76.78	-67.78	5.55	12.62	H
	3532.95	-61.57	-13	-48.57	-77.76	-66.05	6.02	12.65	H
	4239.54	-61.40	-13	-48.40	-79.60	-64.82	7.15	12.72	H
	1413.18	-51.90	-13	-38.90	-61.31	-55.07	4.10	9.42	V
	2119.77	-60.52	-13	-47.52	-73.41	-64.10	4.90	10.63	V
	2826.36	-60.36	-13	-47.36	-74.89	-65.28	5.55	12.62	V
	3532.95	-59.06	-13	-46.06	-75.29	-63.54	6.02	12.65	V
	4239.54	-62.18	-13	-49.18	-80.33	-65.60	7.15	12.72	V

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