



## Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0097	
-10	Normal Voltage	0.0090	
-20	Normal Voltage	0.0095	
-30	Normal Voltage	0.0093	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0093	

**Note:**

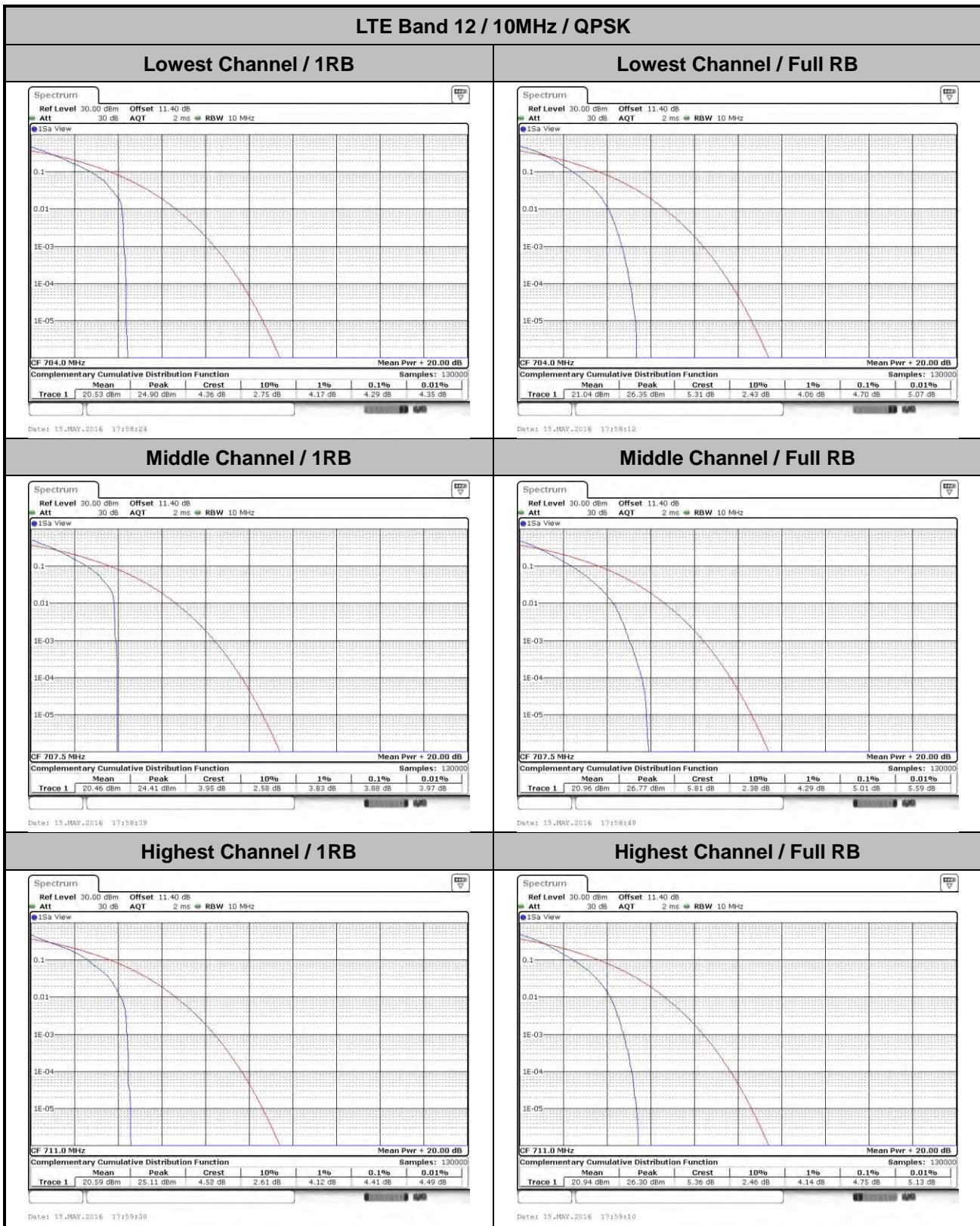
1. Normal Voltage = 4.0V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

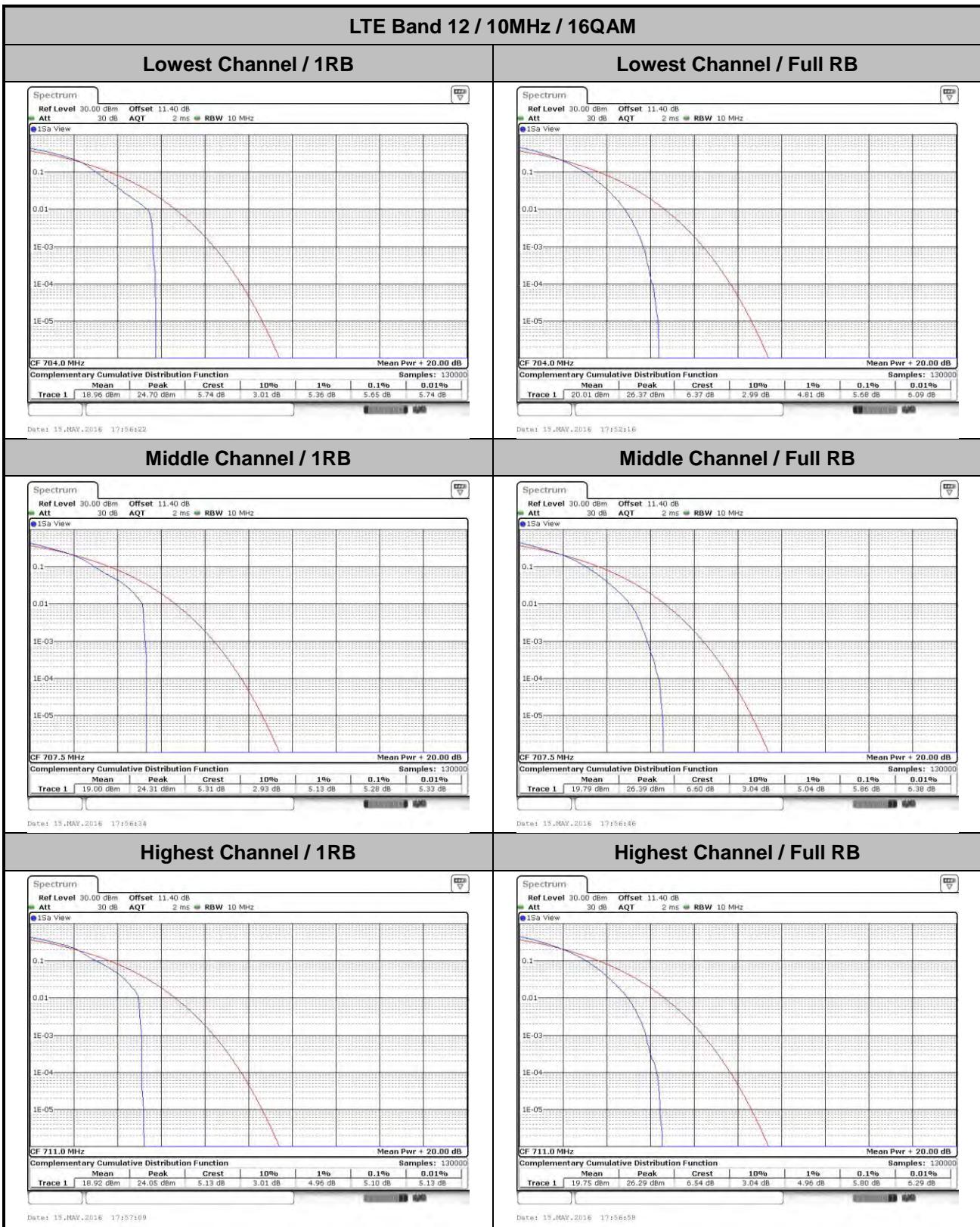


## LTE Band 12

### Peak-to-Average Ratio

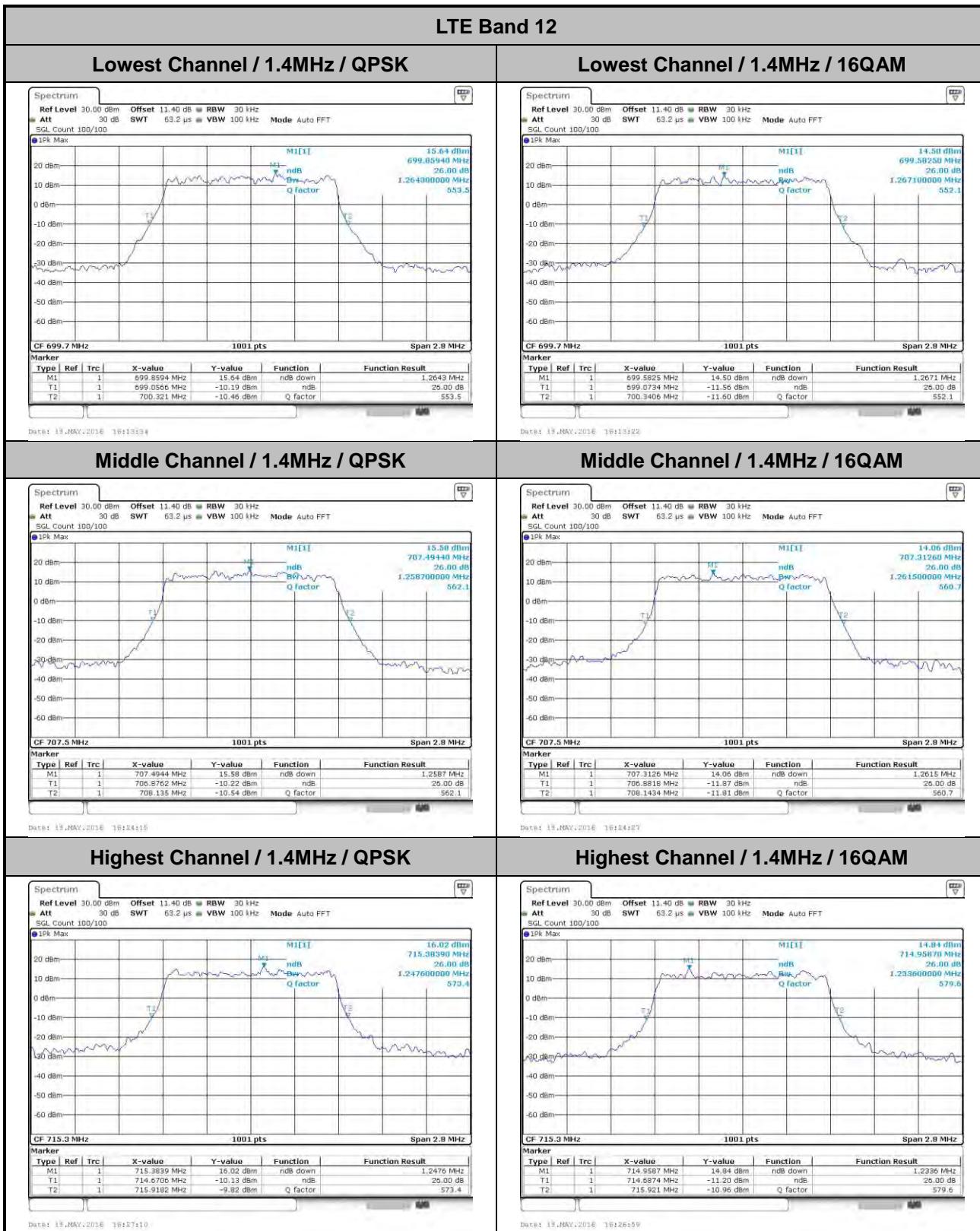
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.29	4.70	5.65	5.68	
Middle CH	3.88	5.01	5.28	5.86	PASS
Highest CH	4.41	4.75	5.10	5.80	

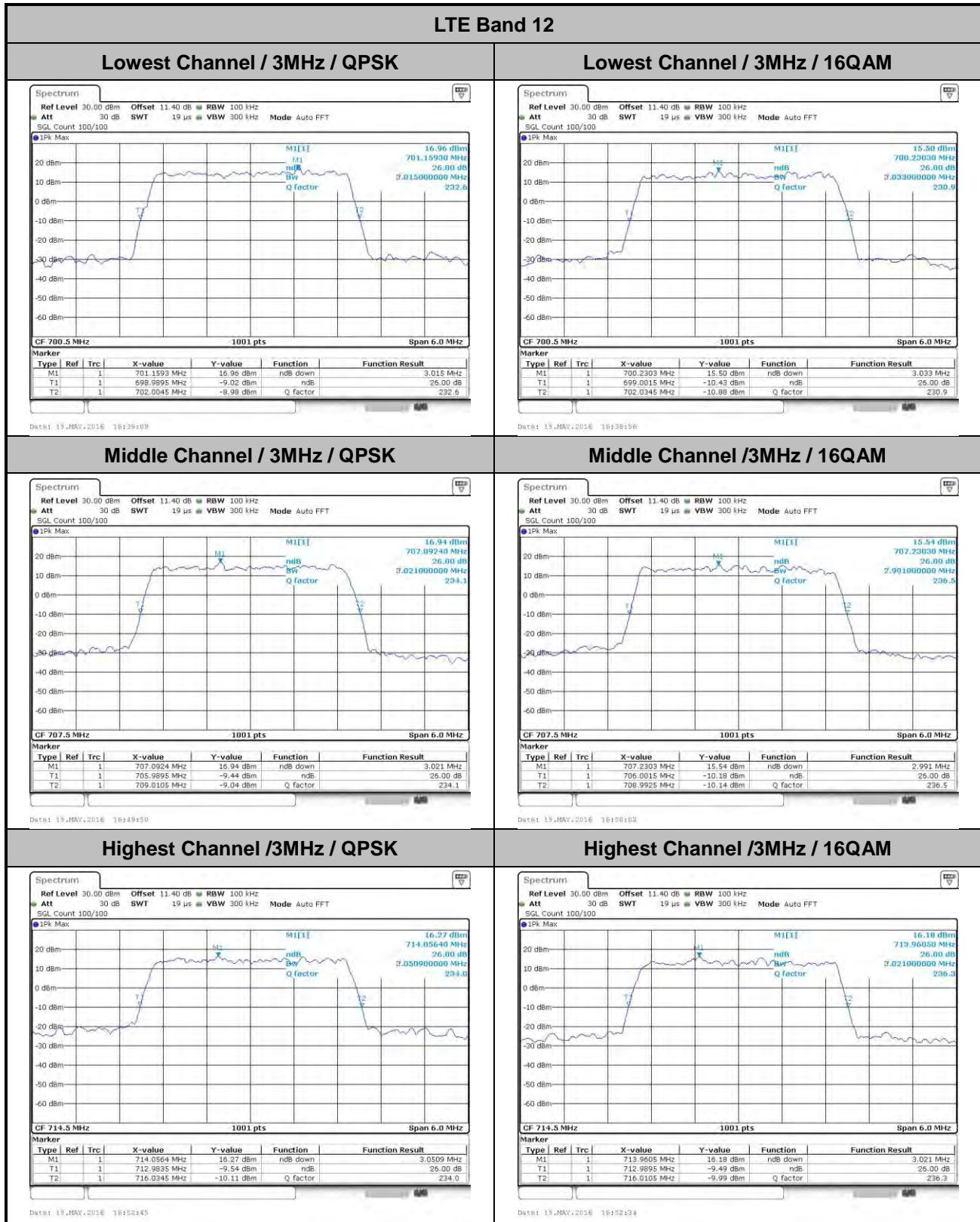


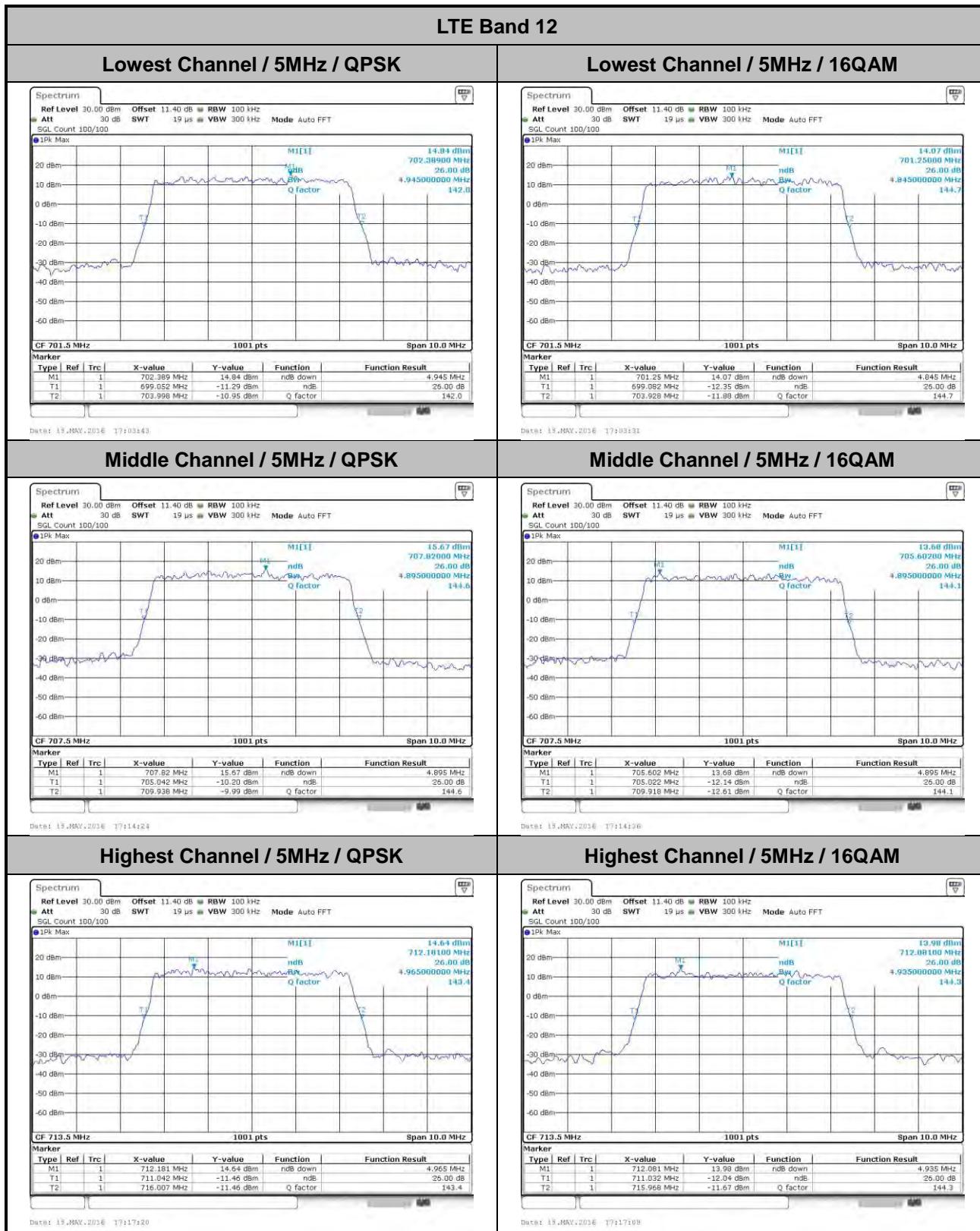


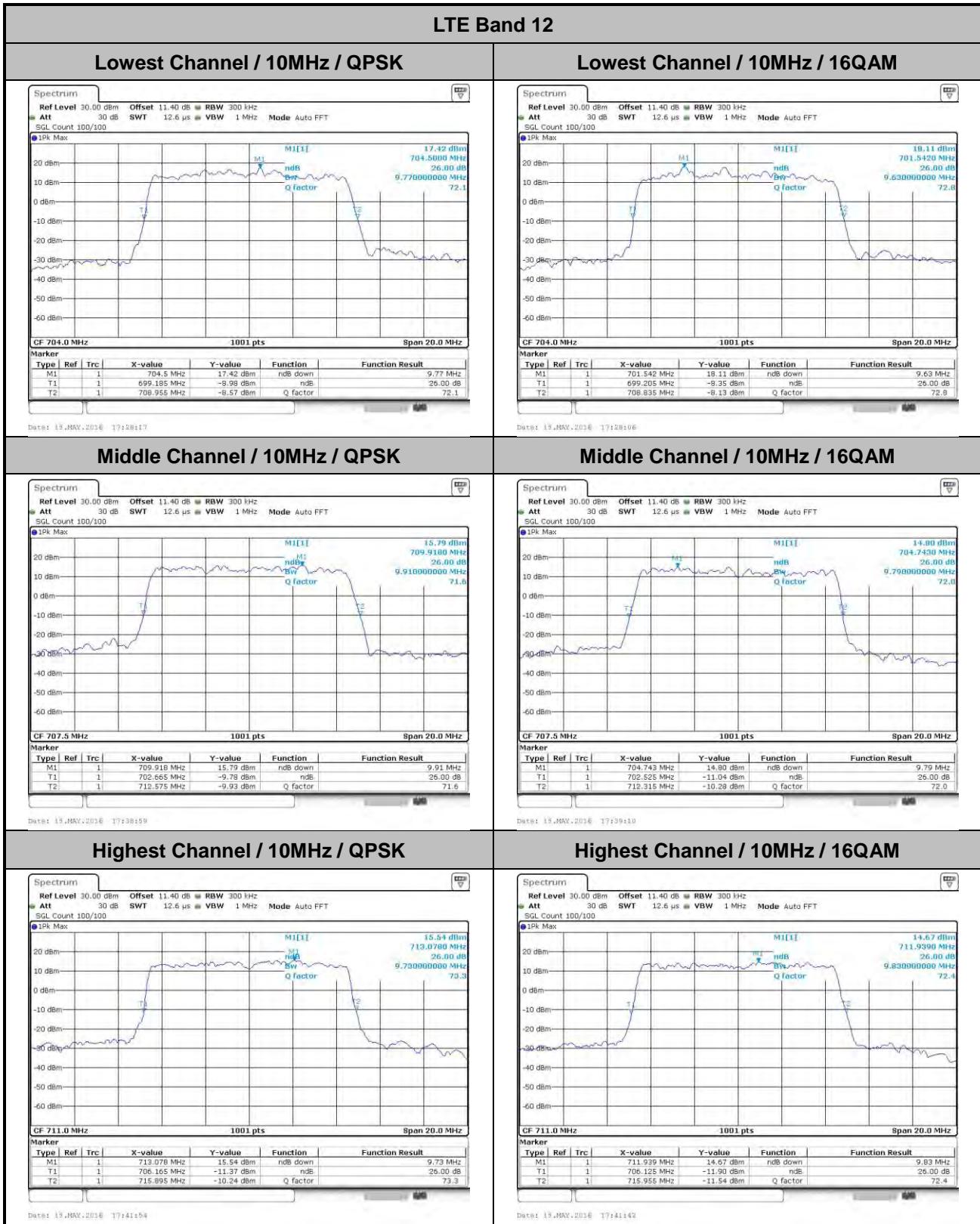
**26dB Bandwidth**

Mode	LTE Band 12 : 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	1.26	1.27	3.02	3.03	4.95	4.85	9.77	9.63	-	-	-	-
Middle CH	1.26	1.26	3.02	2.99	4.90	4.90	9.91	9.79	-	-	-	-
Highest CH	1.25	1.23	3.05	3.02	4.97	4.94	9.73	9.83	-	-	-	-



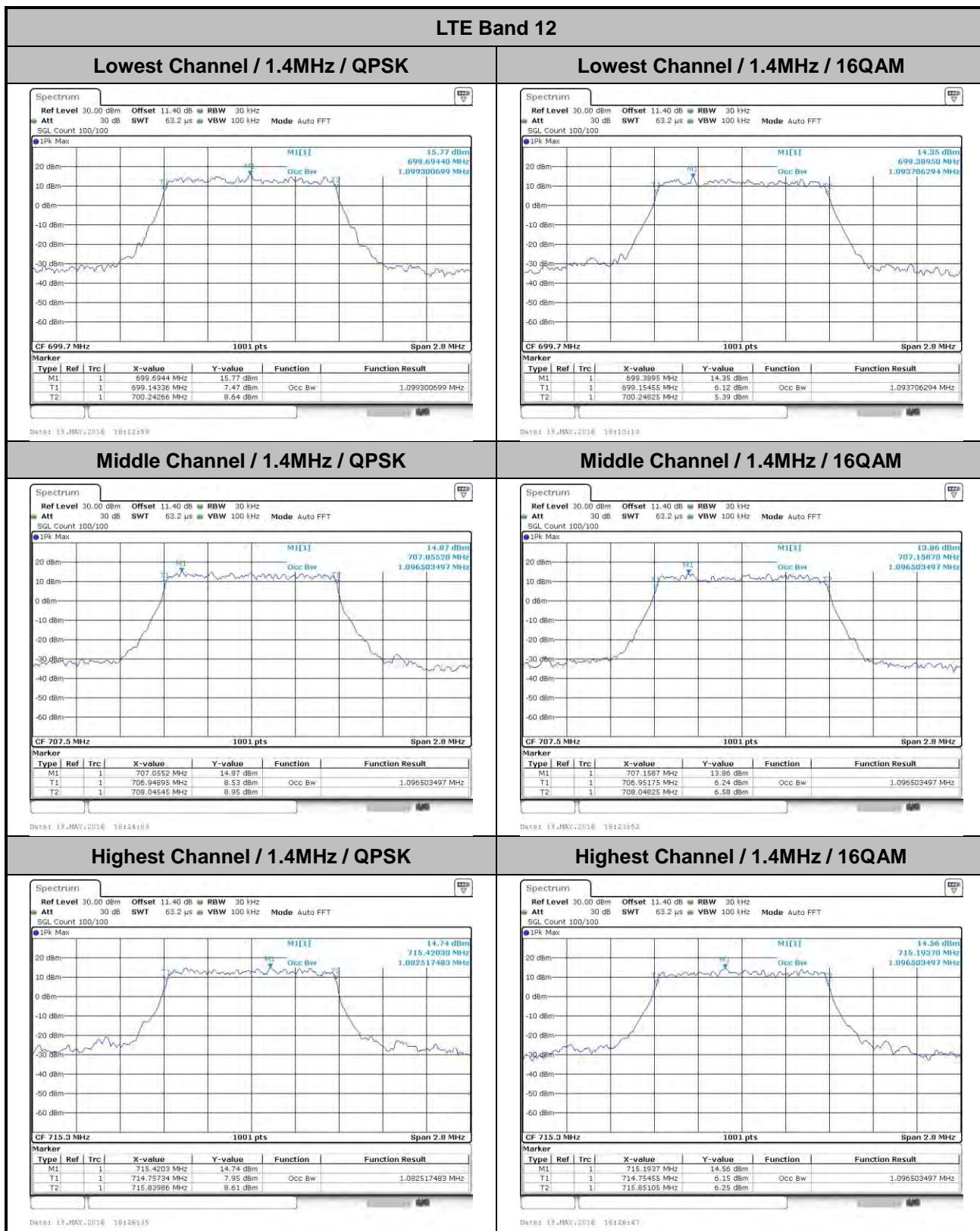


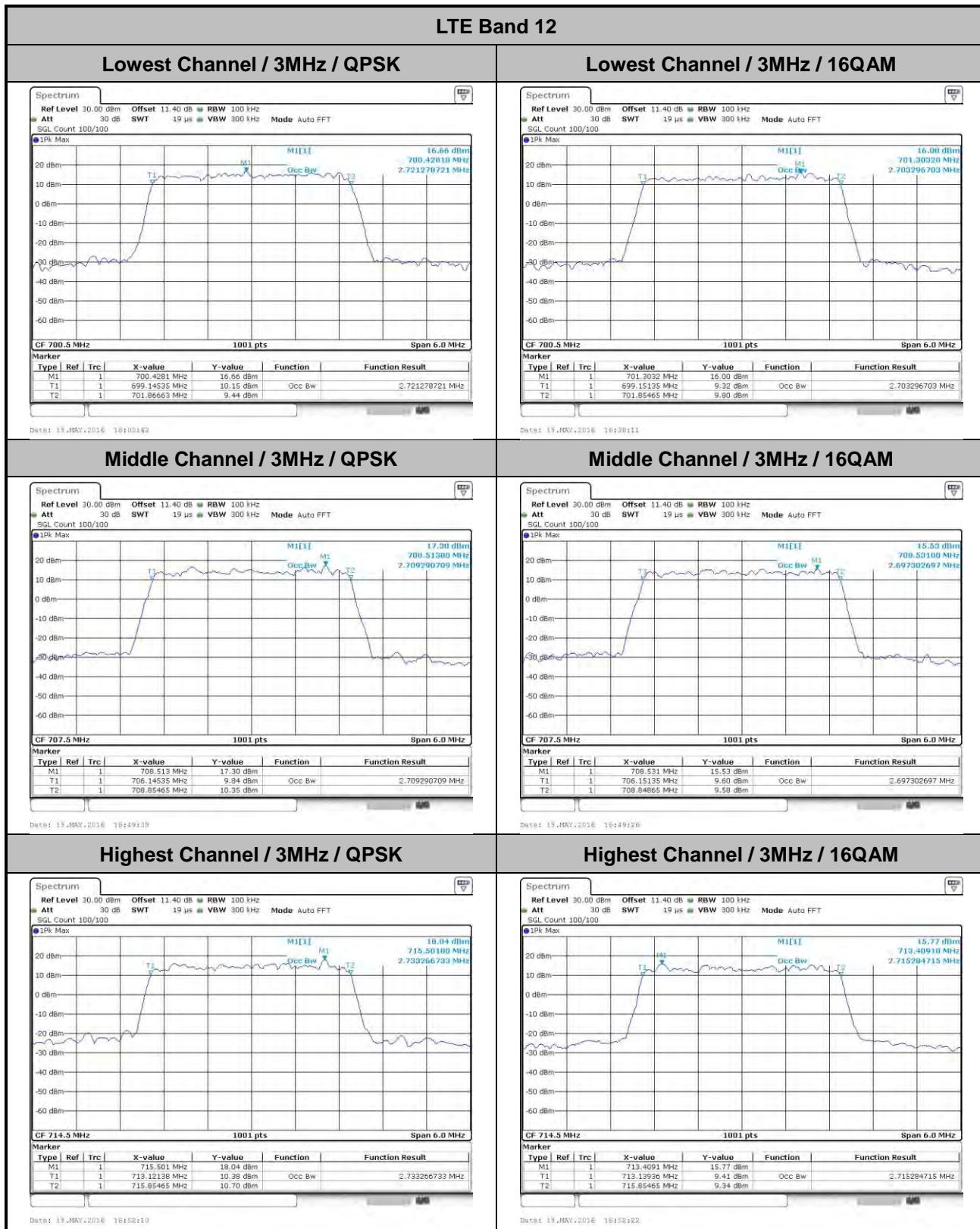


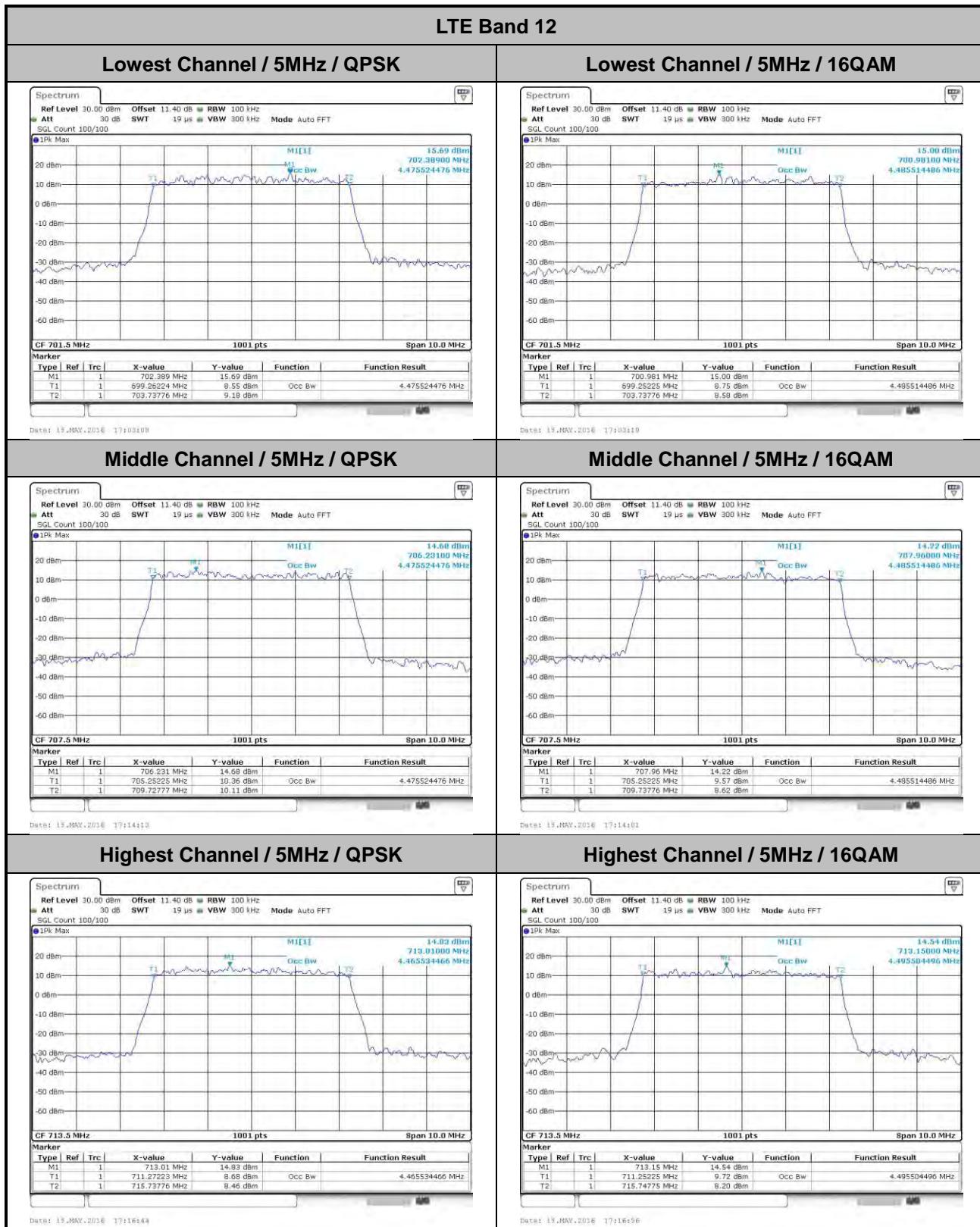


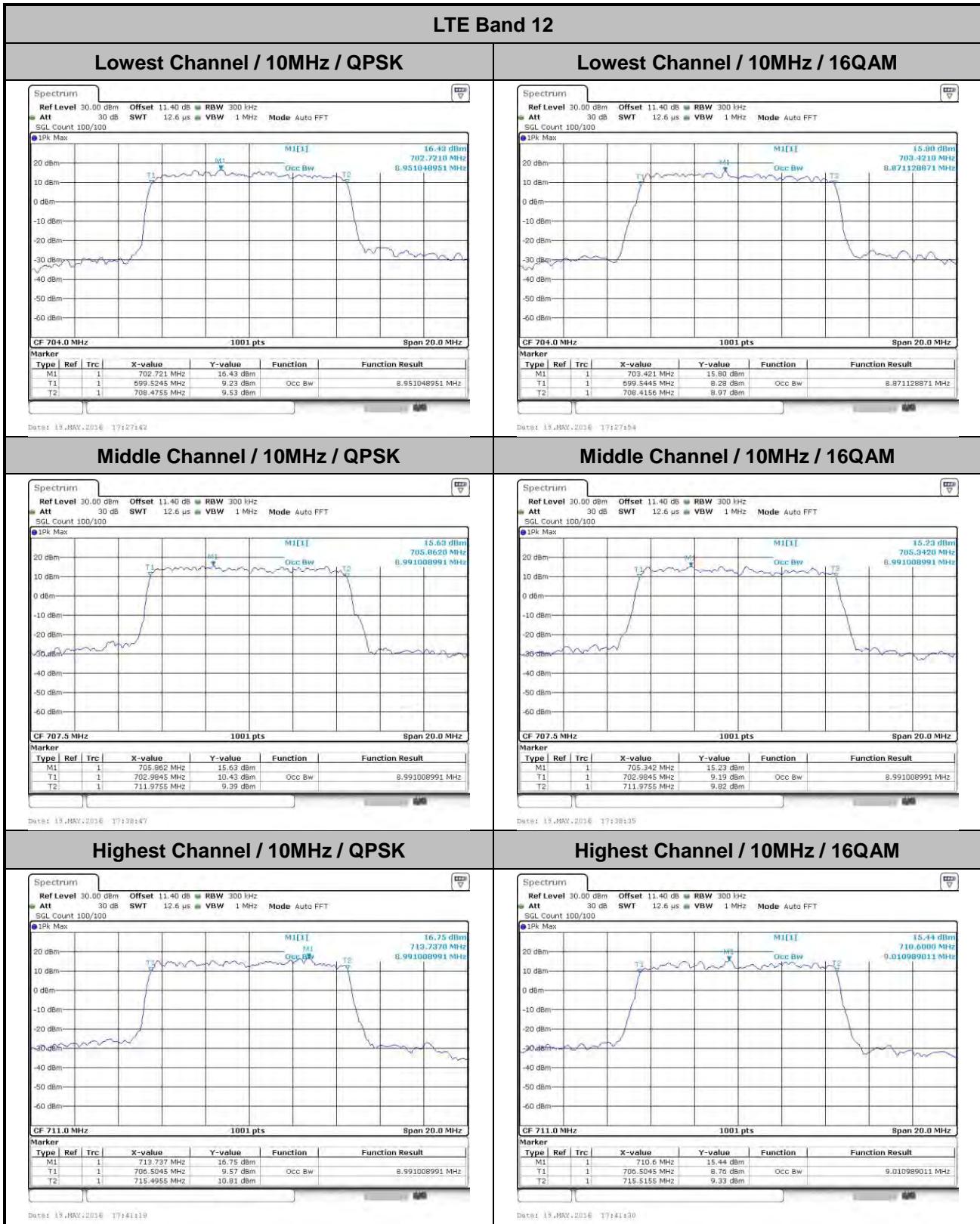
**Occupied Bandwidth**

Mode	LTE Band 12 : 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	1.10	1.09	2.72	2.70	4.48	4.49	8.95	8.87	-	-	-	-
Middle CH	1.10	1.10	2.71	2.70	4.48	4.49	8.99	8.99	-	-	-	-
Highest CH	1.08	1.10	2.73	2.72	4.47	4.50	8.99	9.01	-	-	-	-



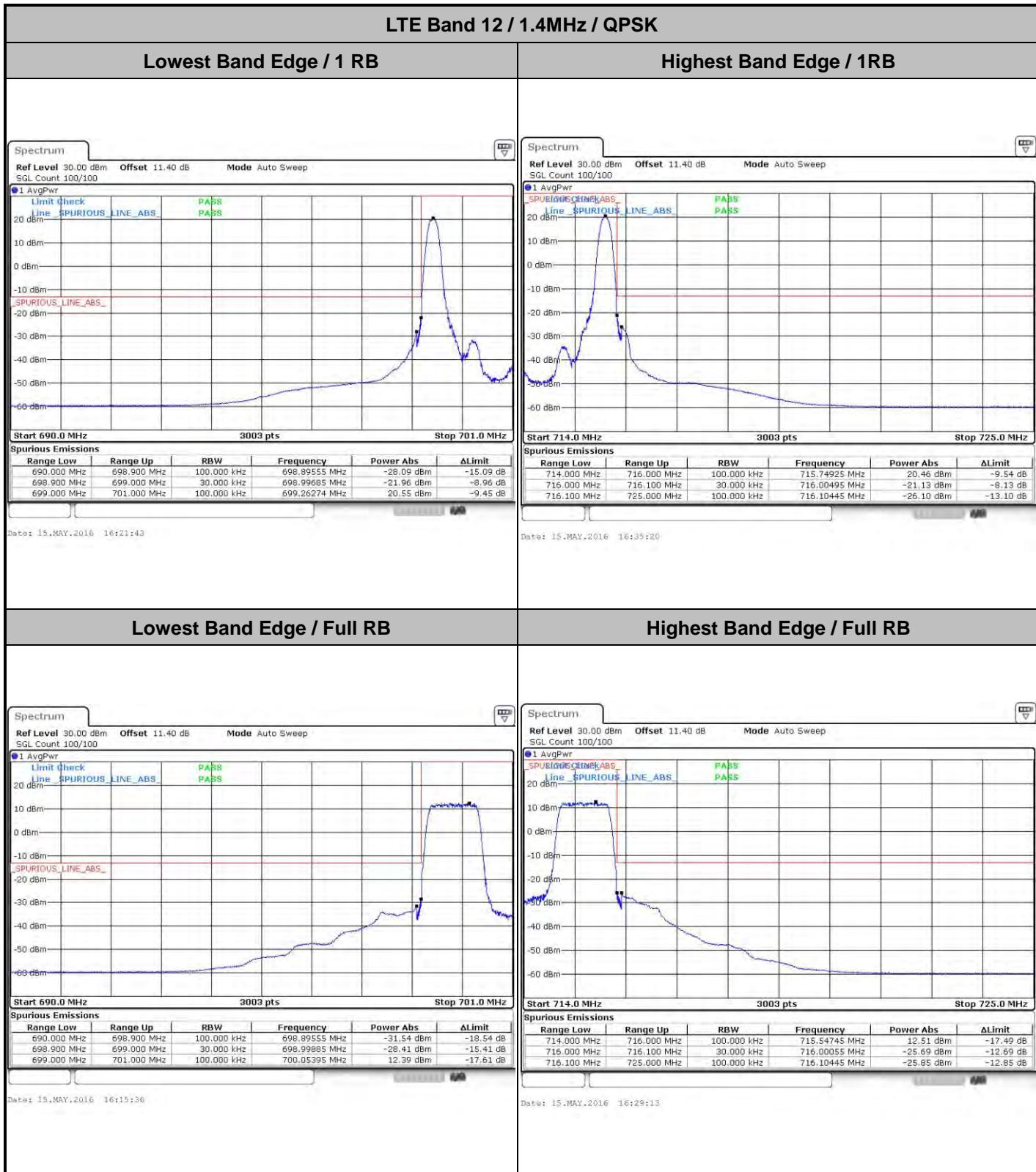


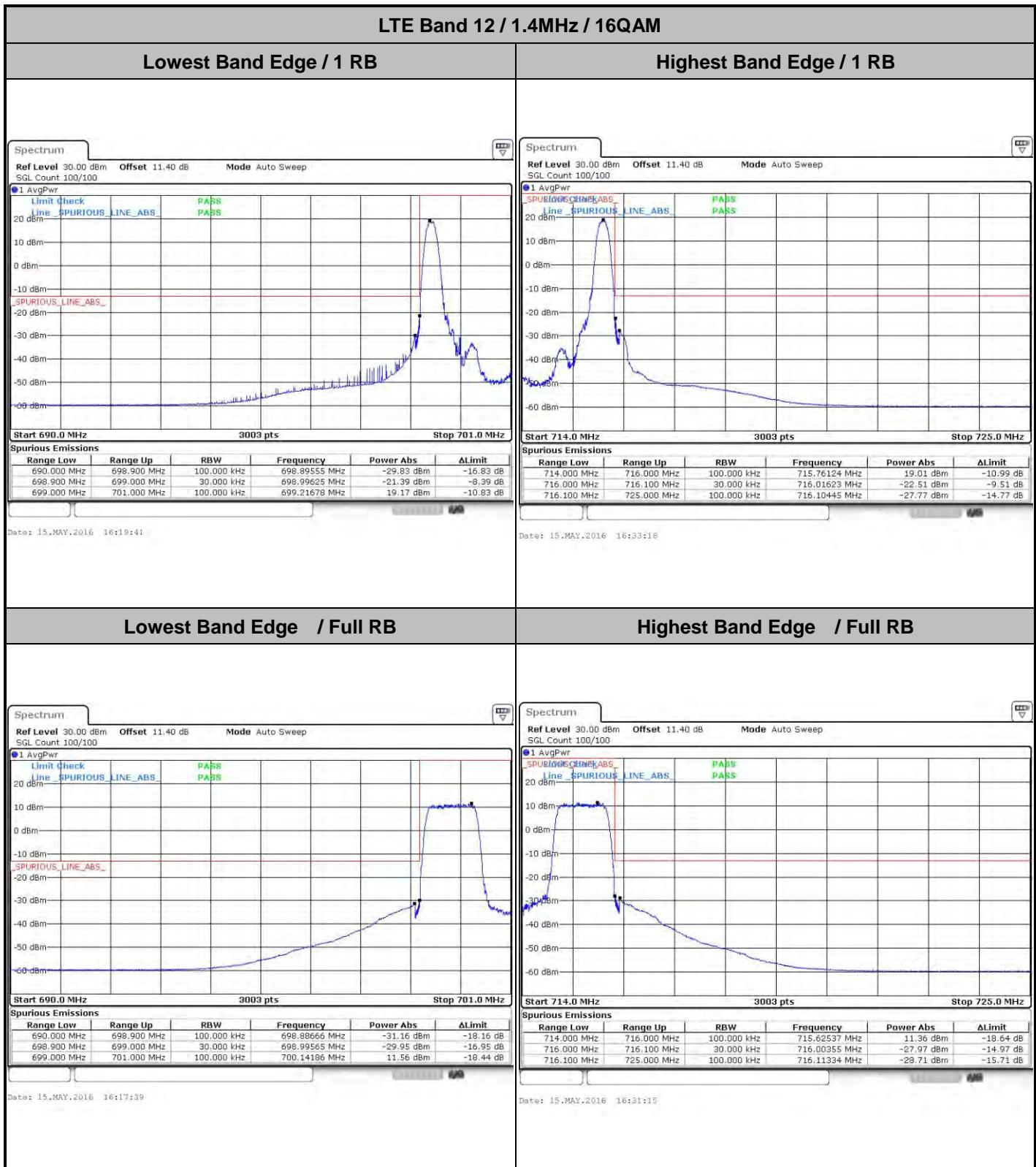


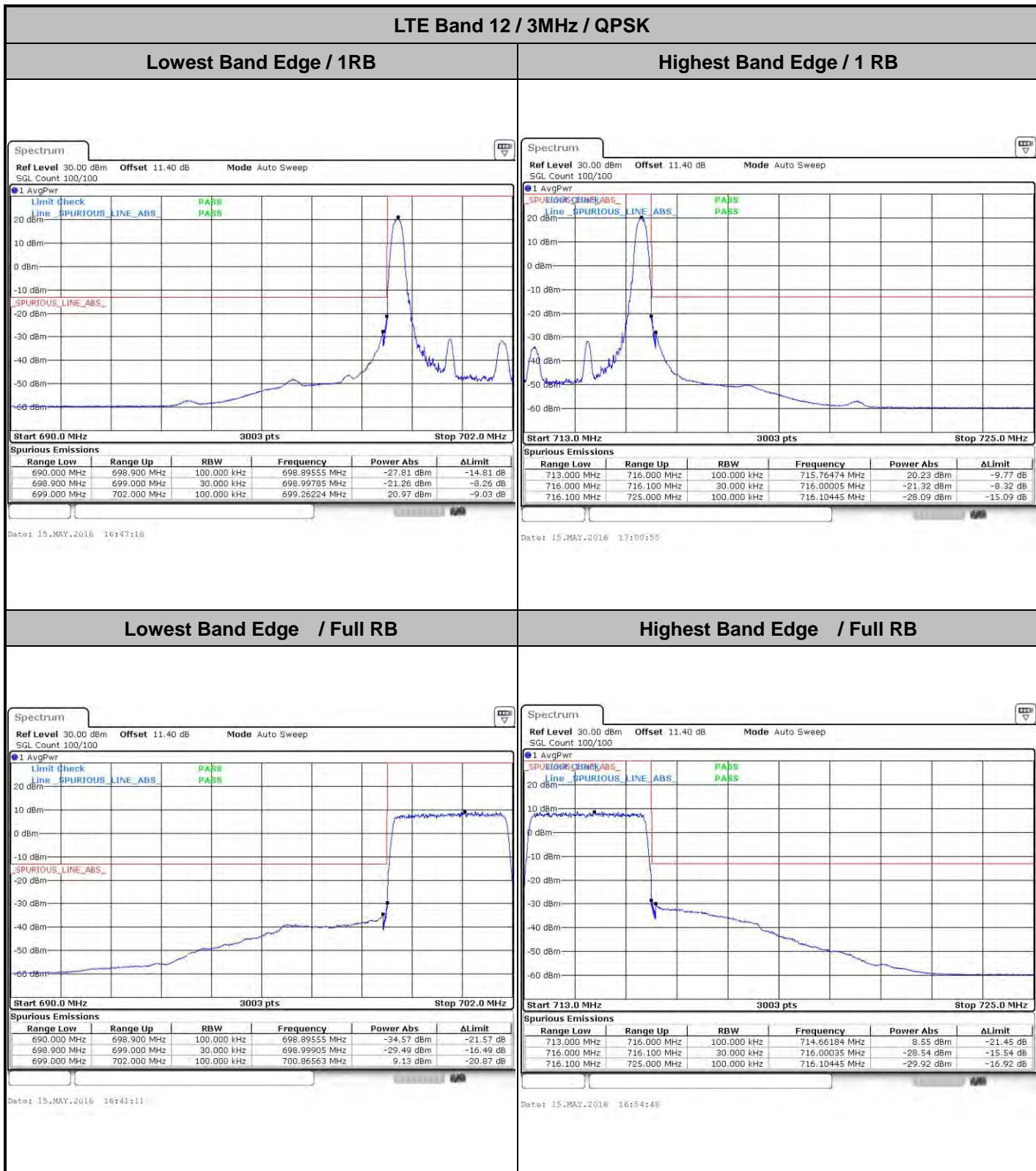


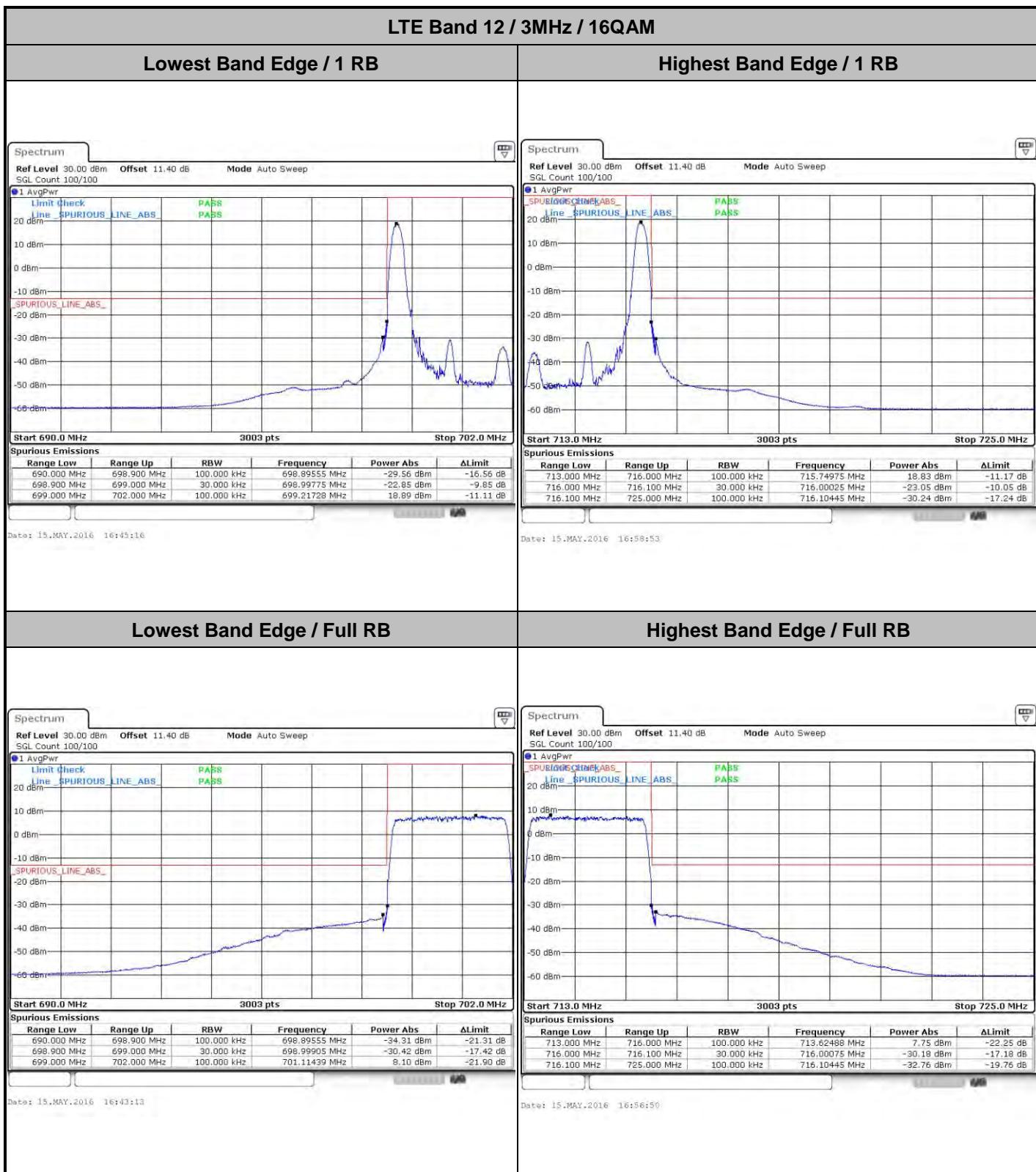


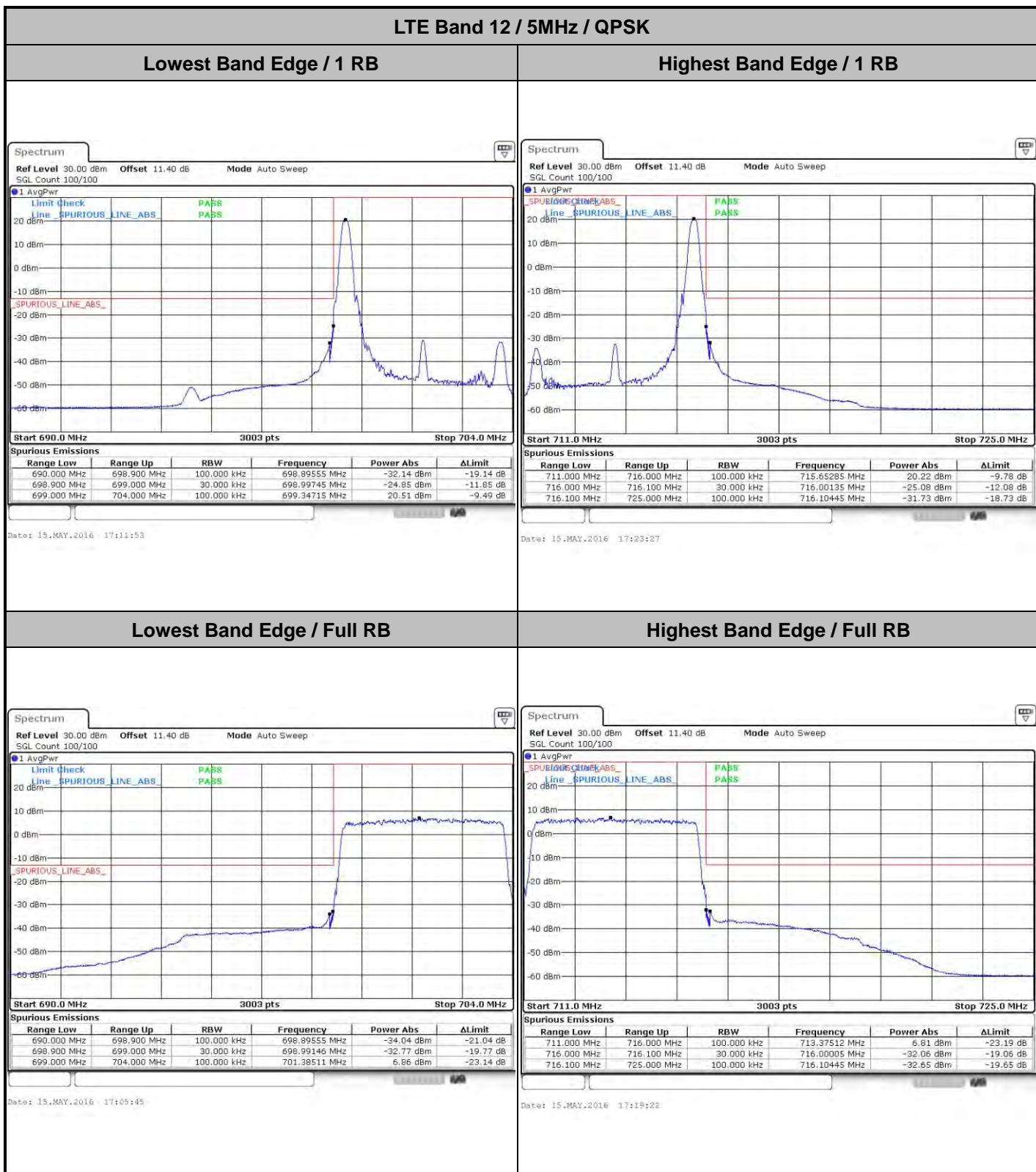
## Conducted Band Edge

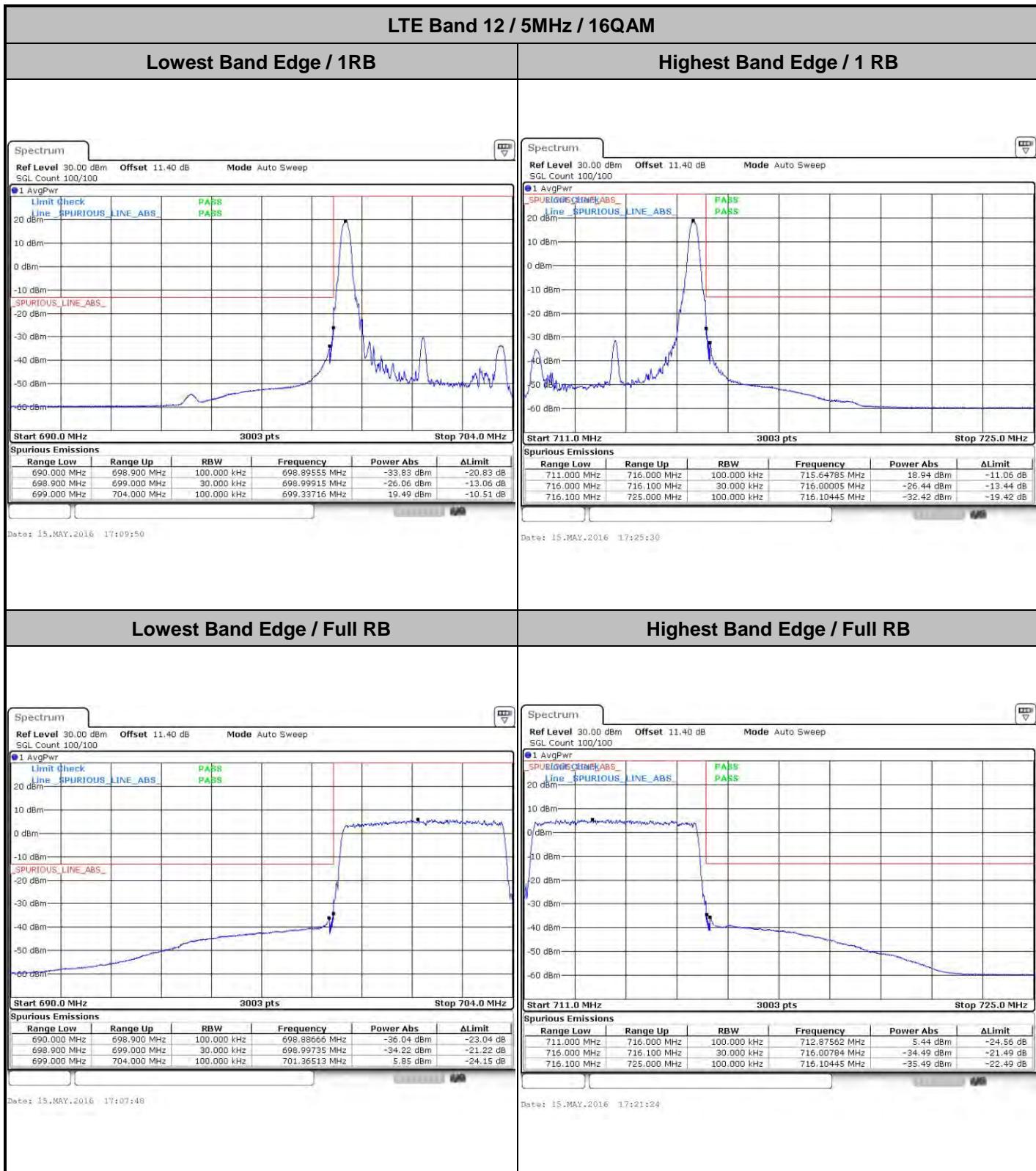


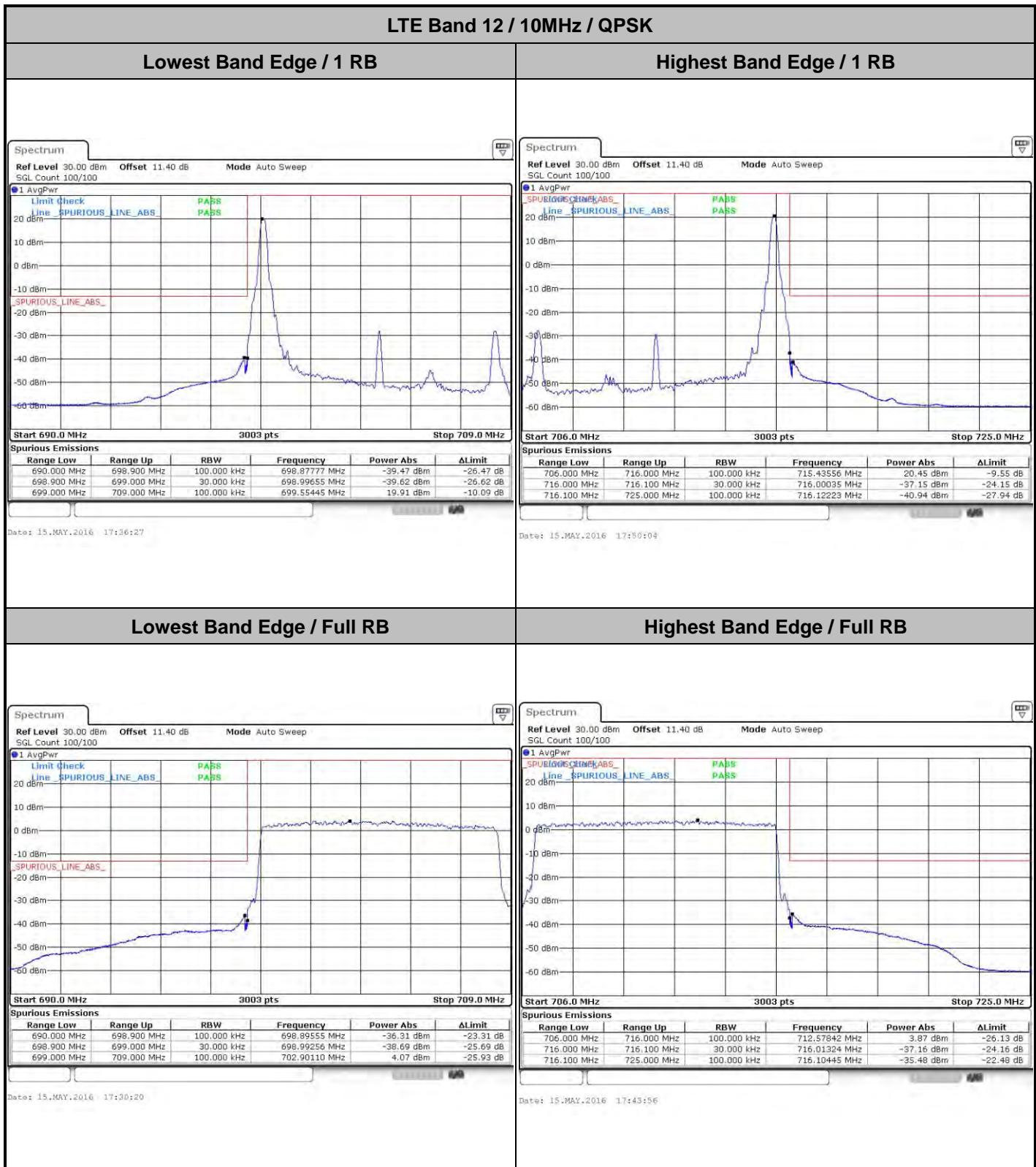


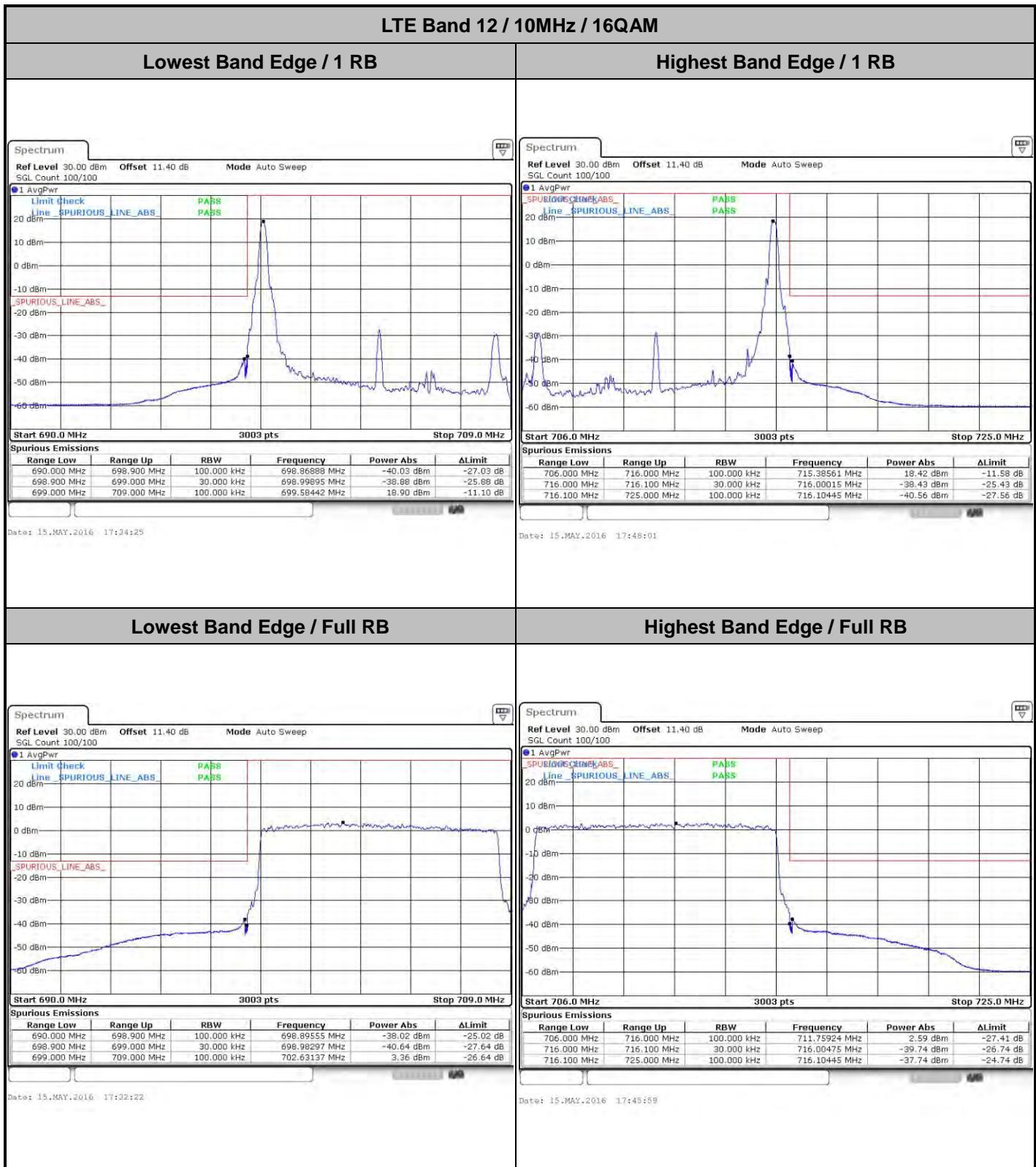












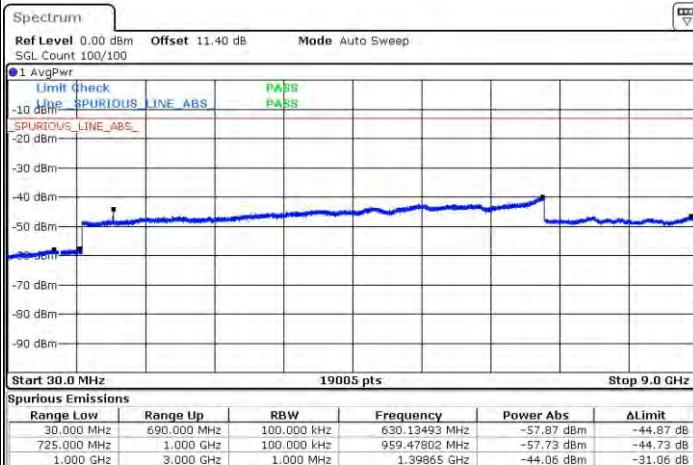
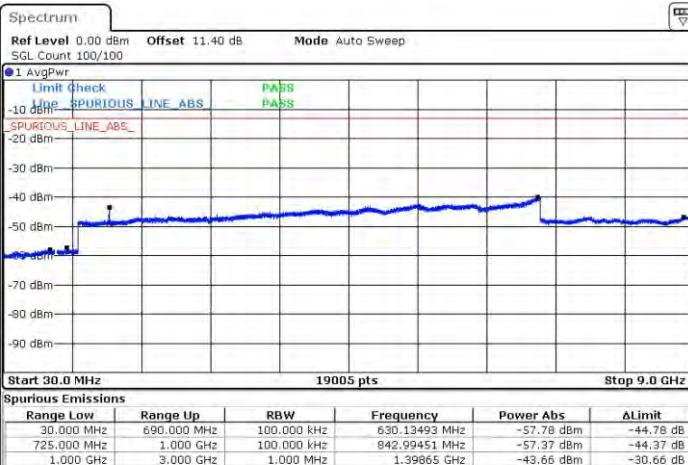


## Conducted Spurious Emission

### LTE Band 12 / 1.4MHz

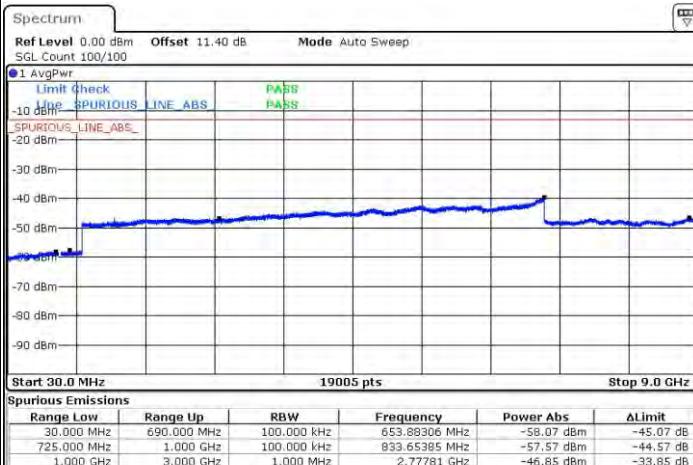
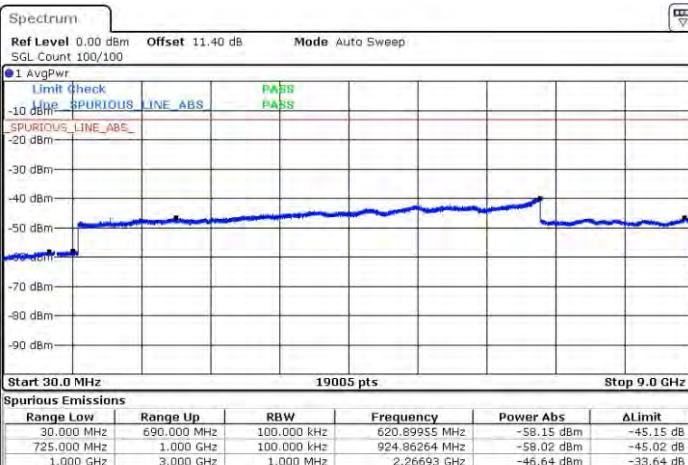
#### Lowest Channel / QPSK

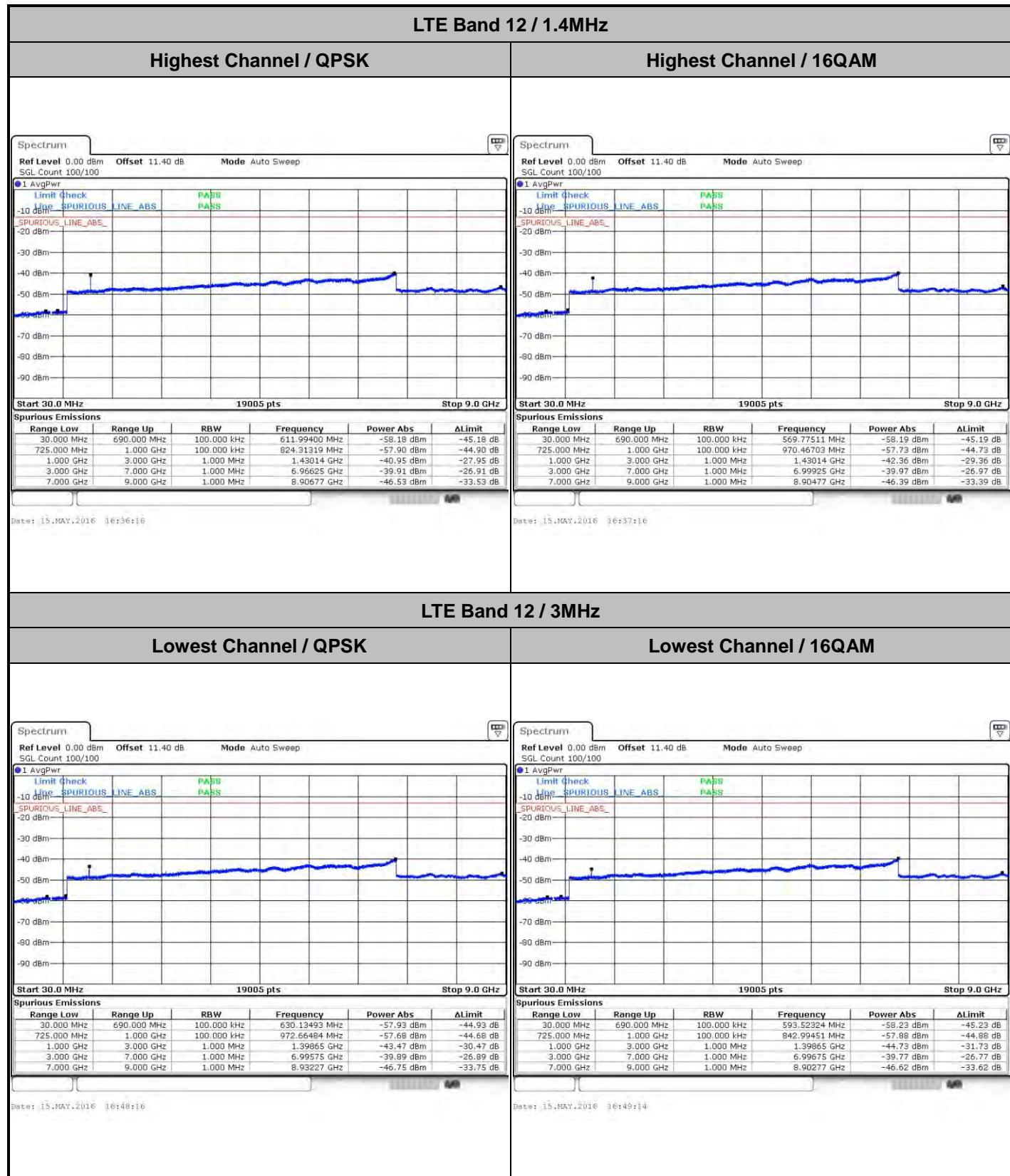
#### Lowest Channel / 16QAM

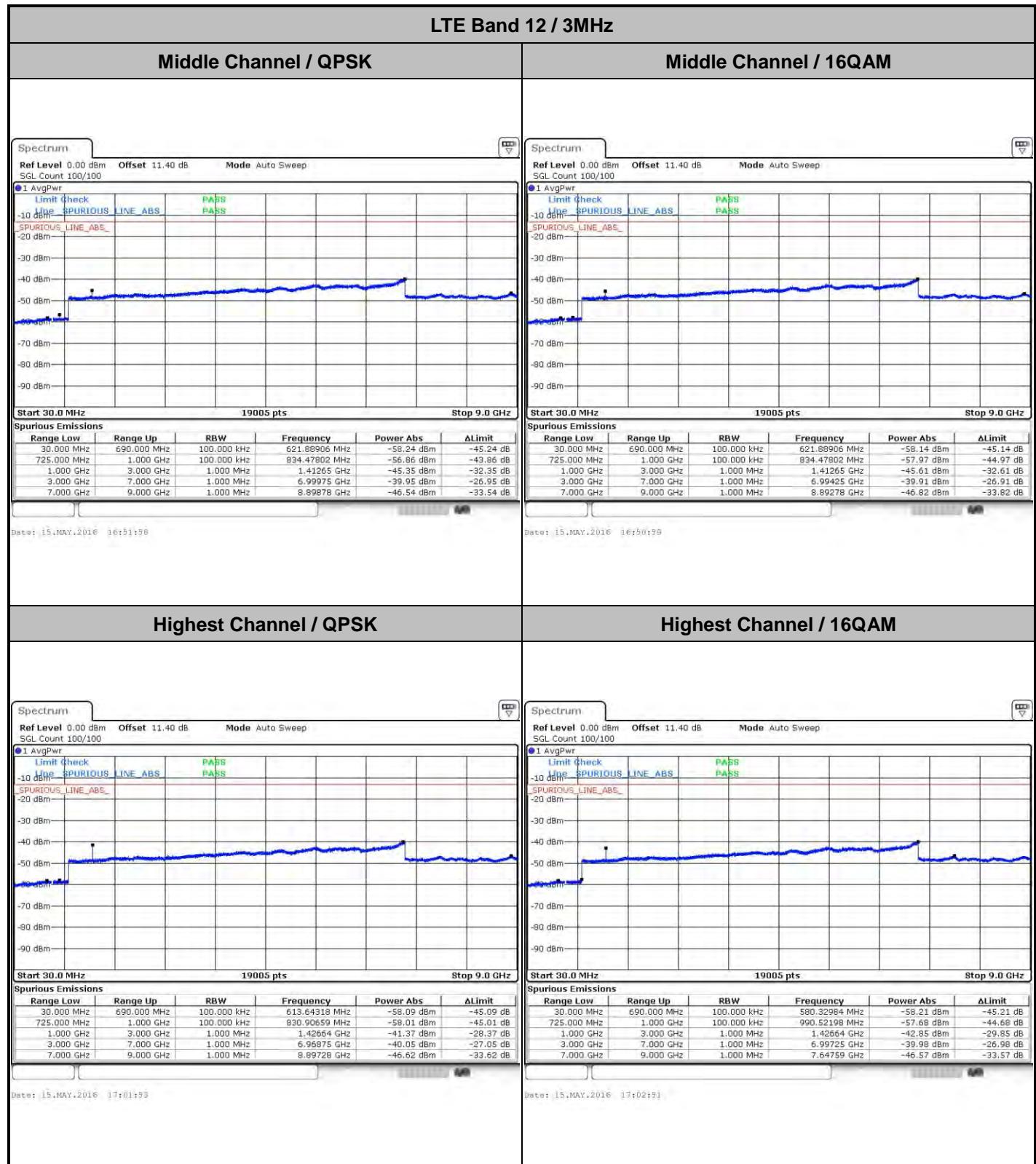


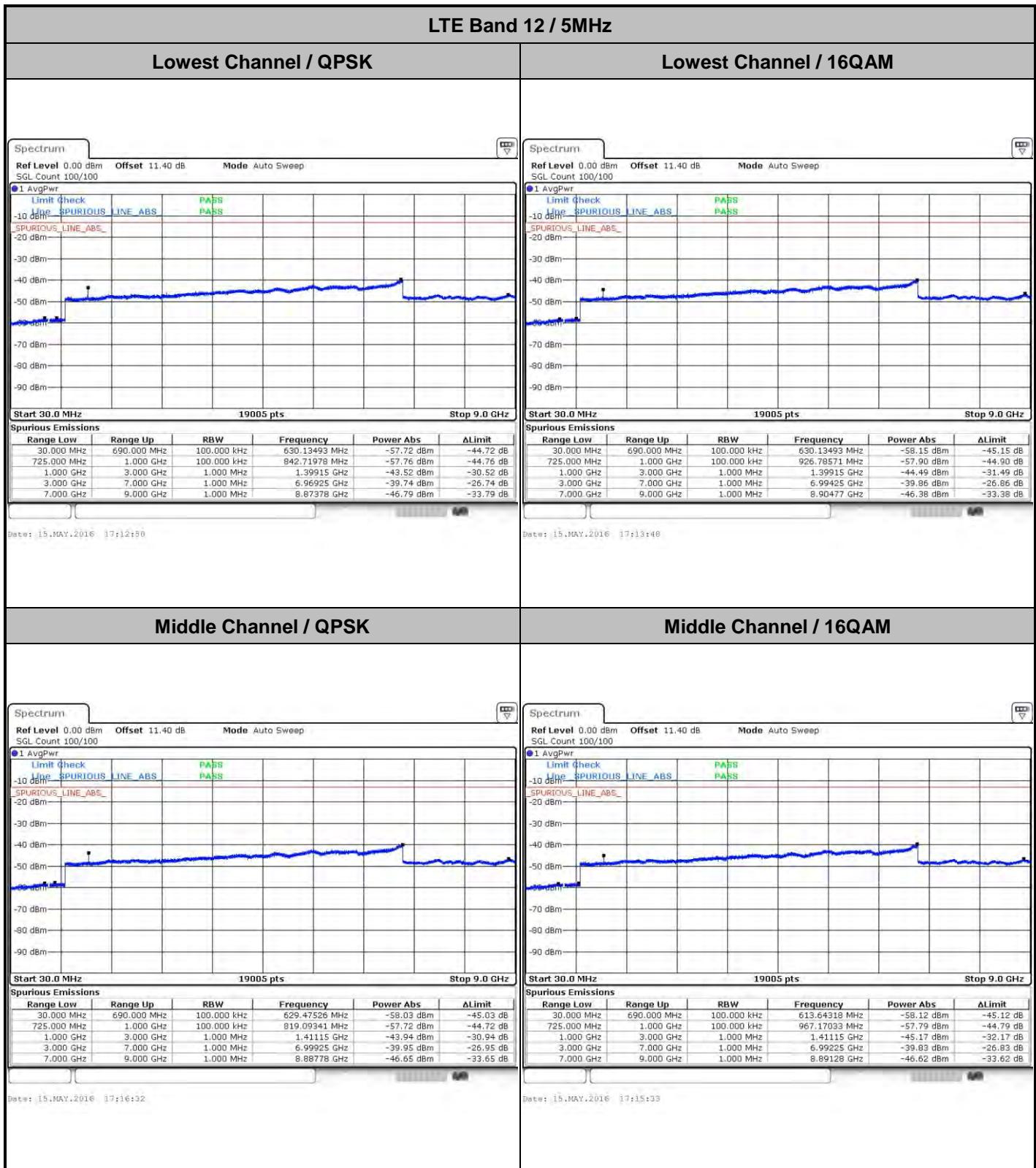
#### Middle Channel / QPSK

#### Middle Channel / 16QAM







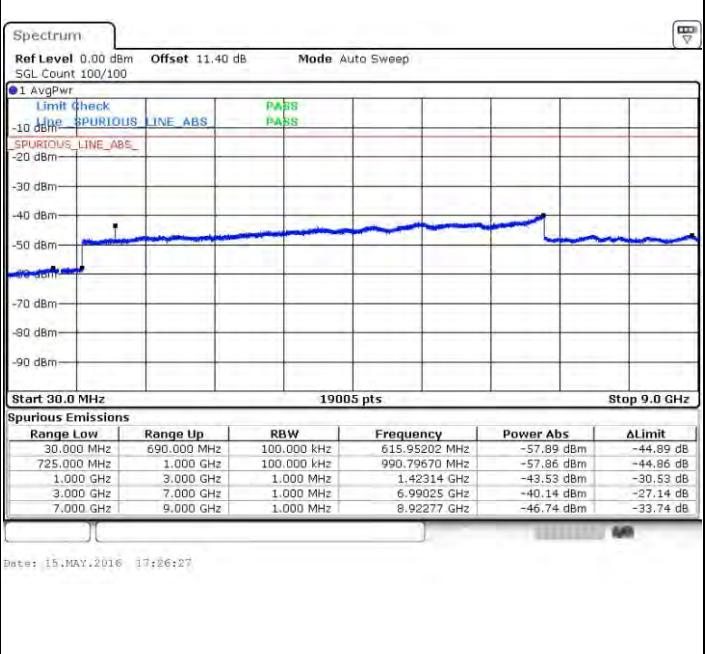
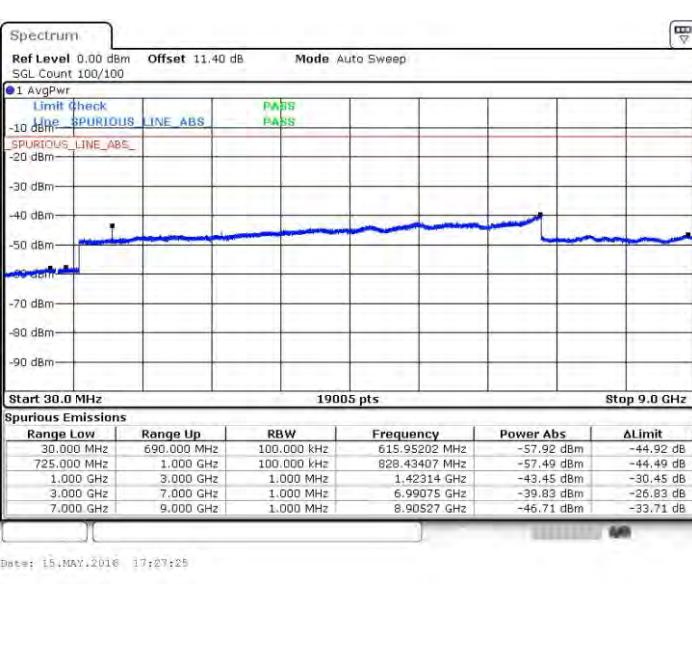




## LTE Band 12 / 5MHz

## Highest Channel / QPSK

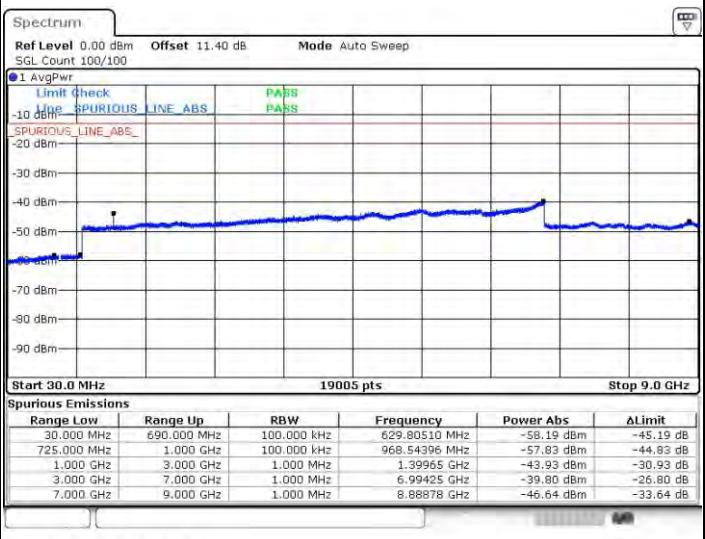
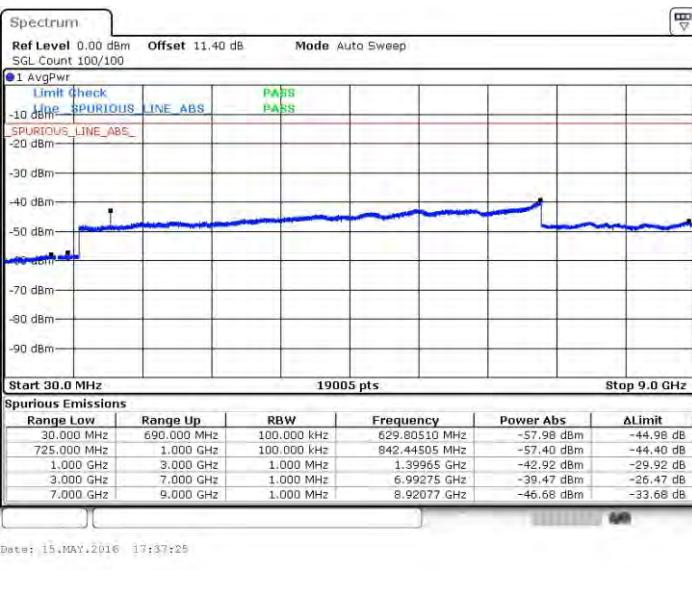
## Highest Channel / 16QAM

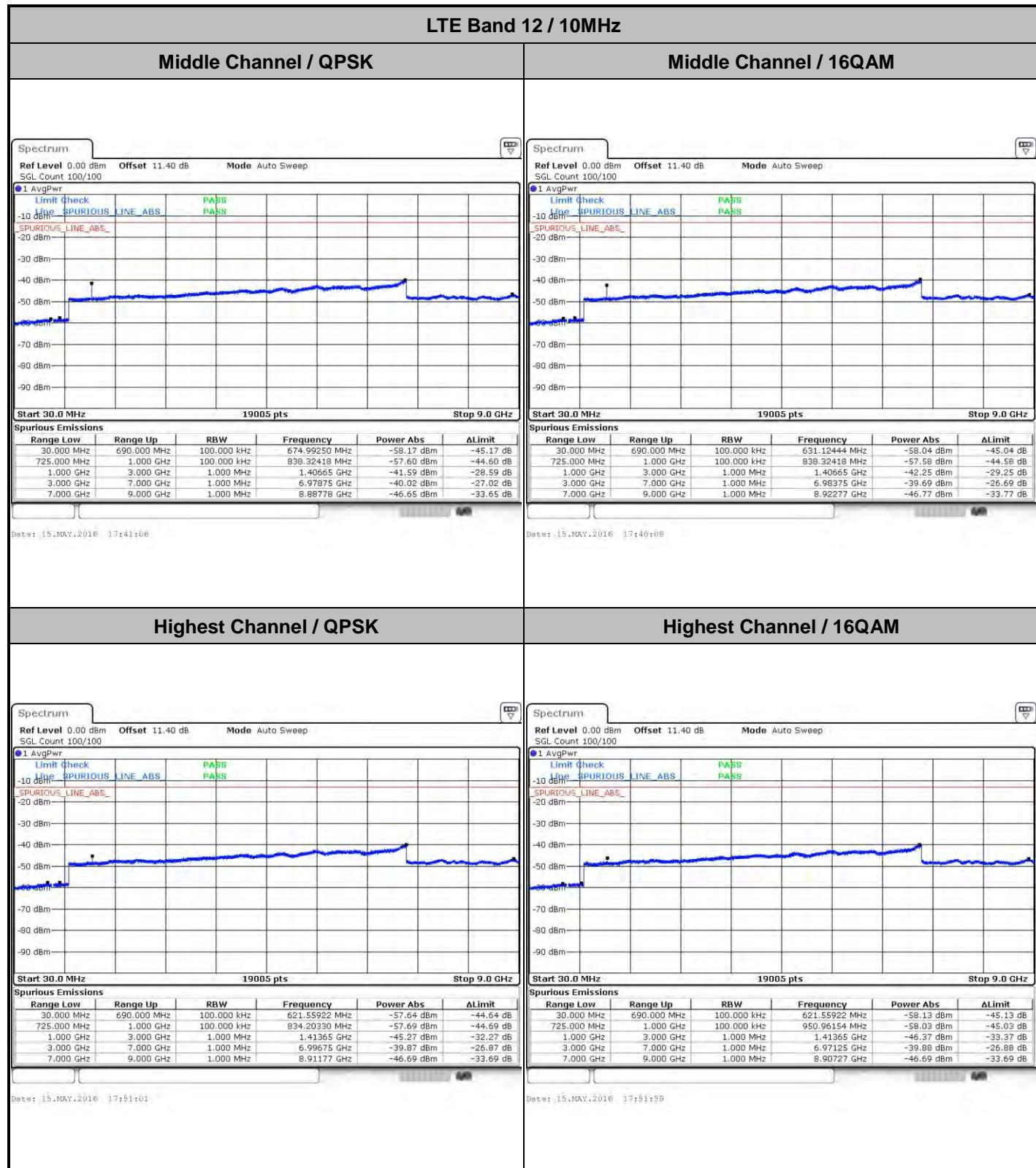


## LTE Band 12 / 10MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM







## 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	0.0030	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0086	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0114	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0122	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0112	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

**Note:**

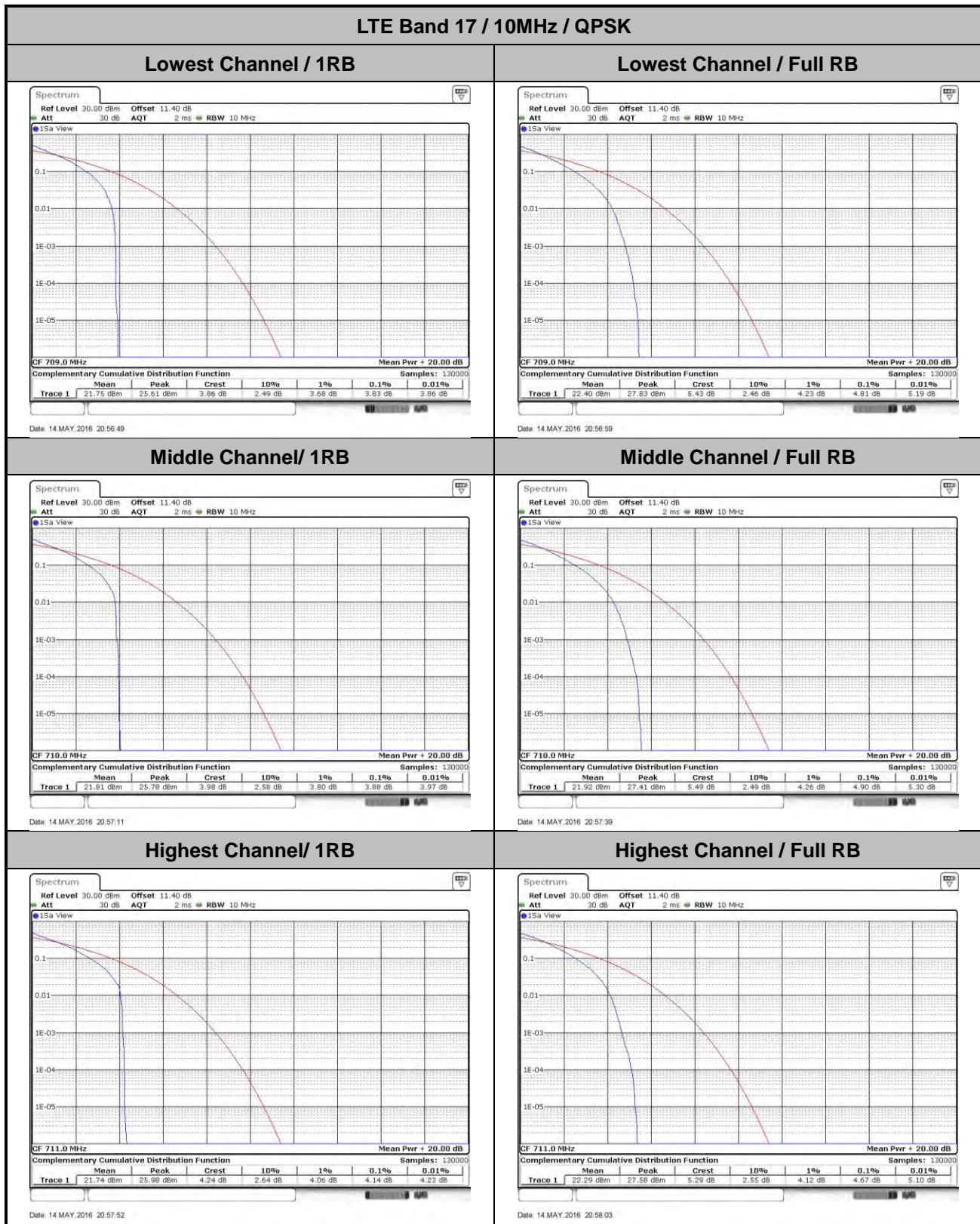
1. Normal Voltage = 4.0V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

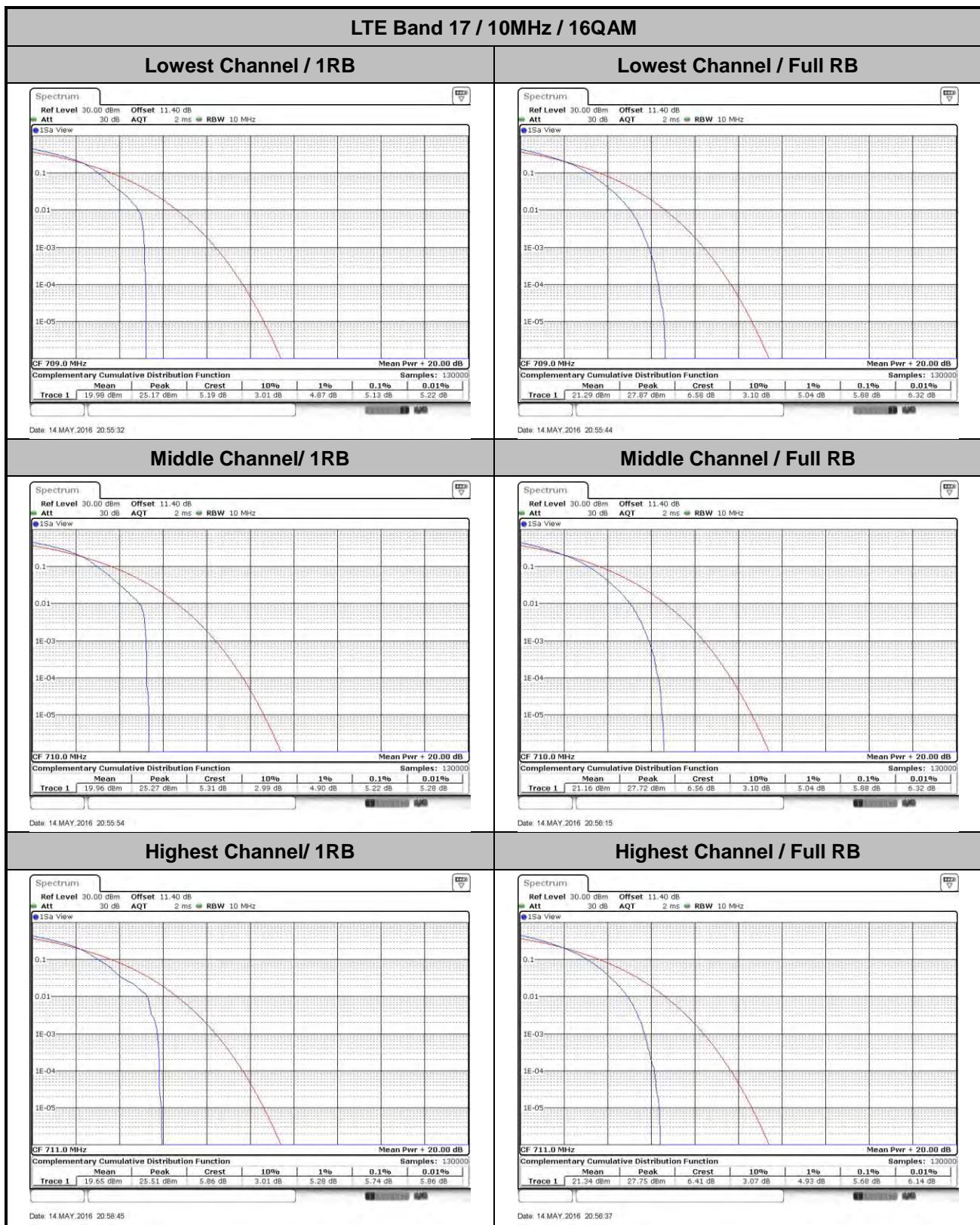


## LTE Band 17

### Peak-to-Average Ratio

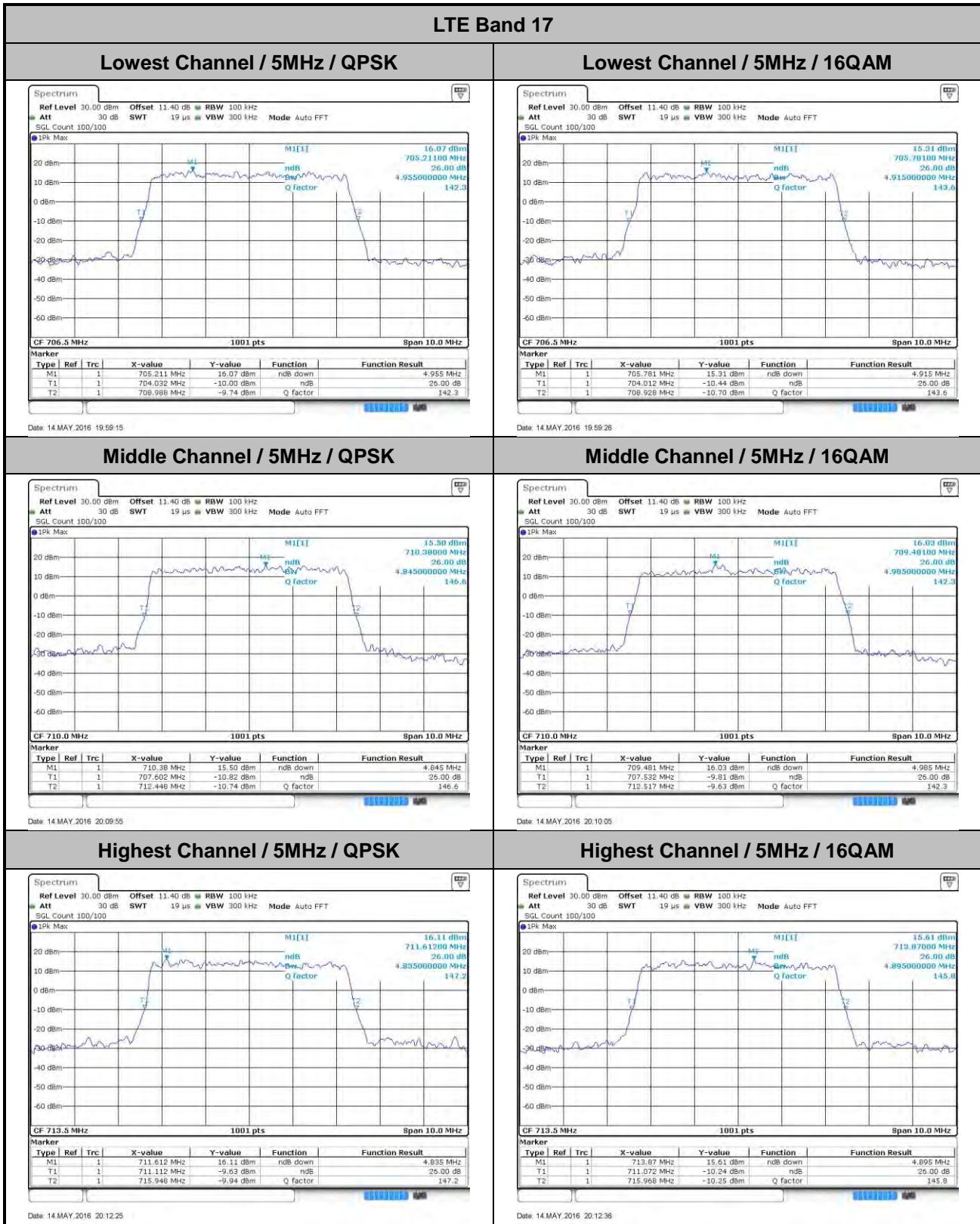
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.83	4.81	5.13	5.88	
Middle CH	3.88	4.90	5.22	5.88	PASS
Highest CH	4.14	4.67	5.74	5.68	

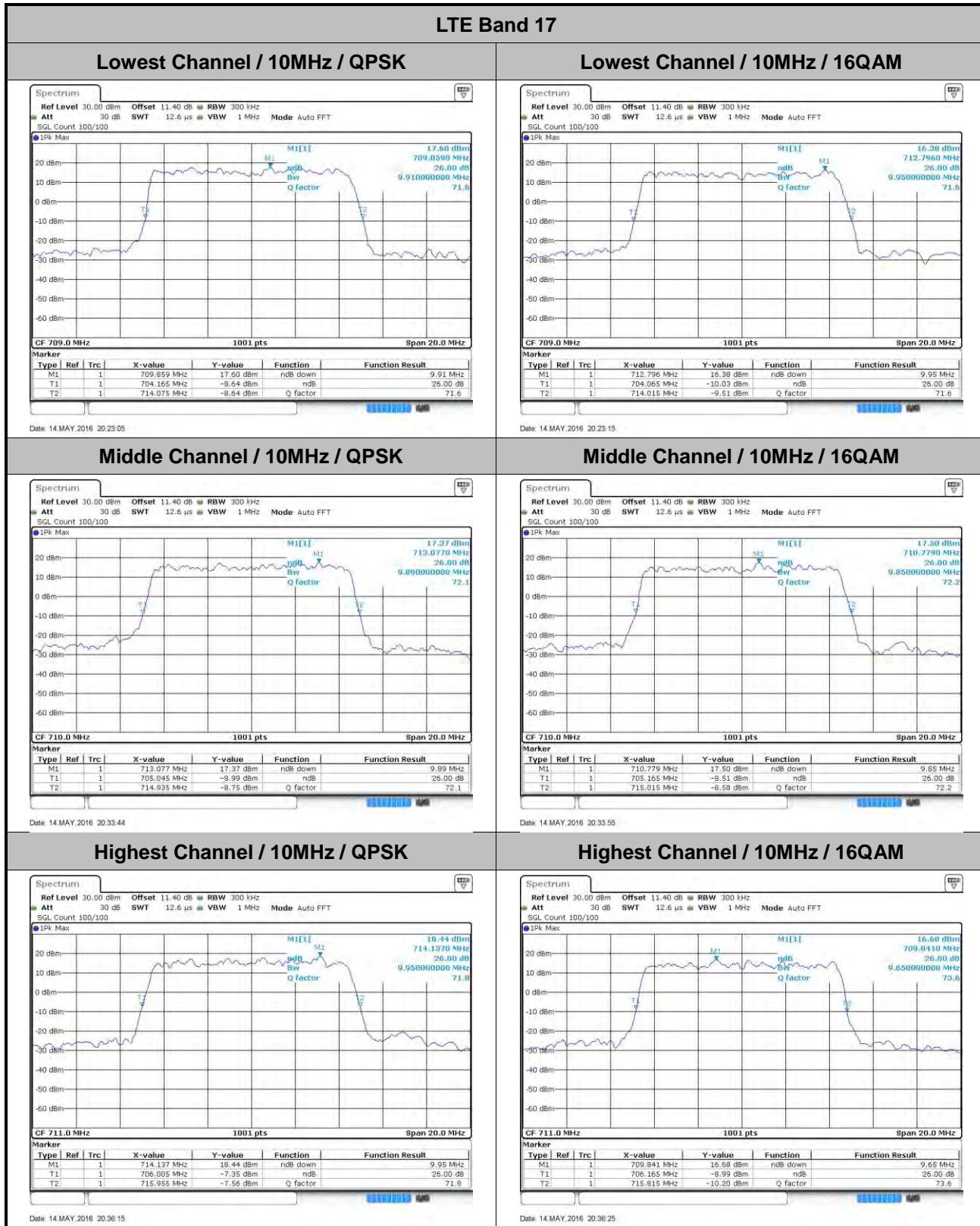




**26dB Bandwidth**

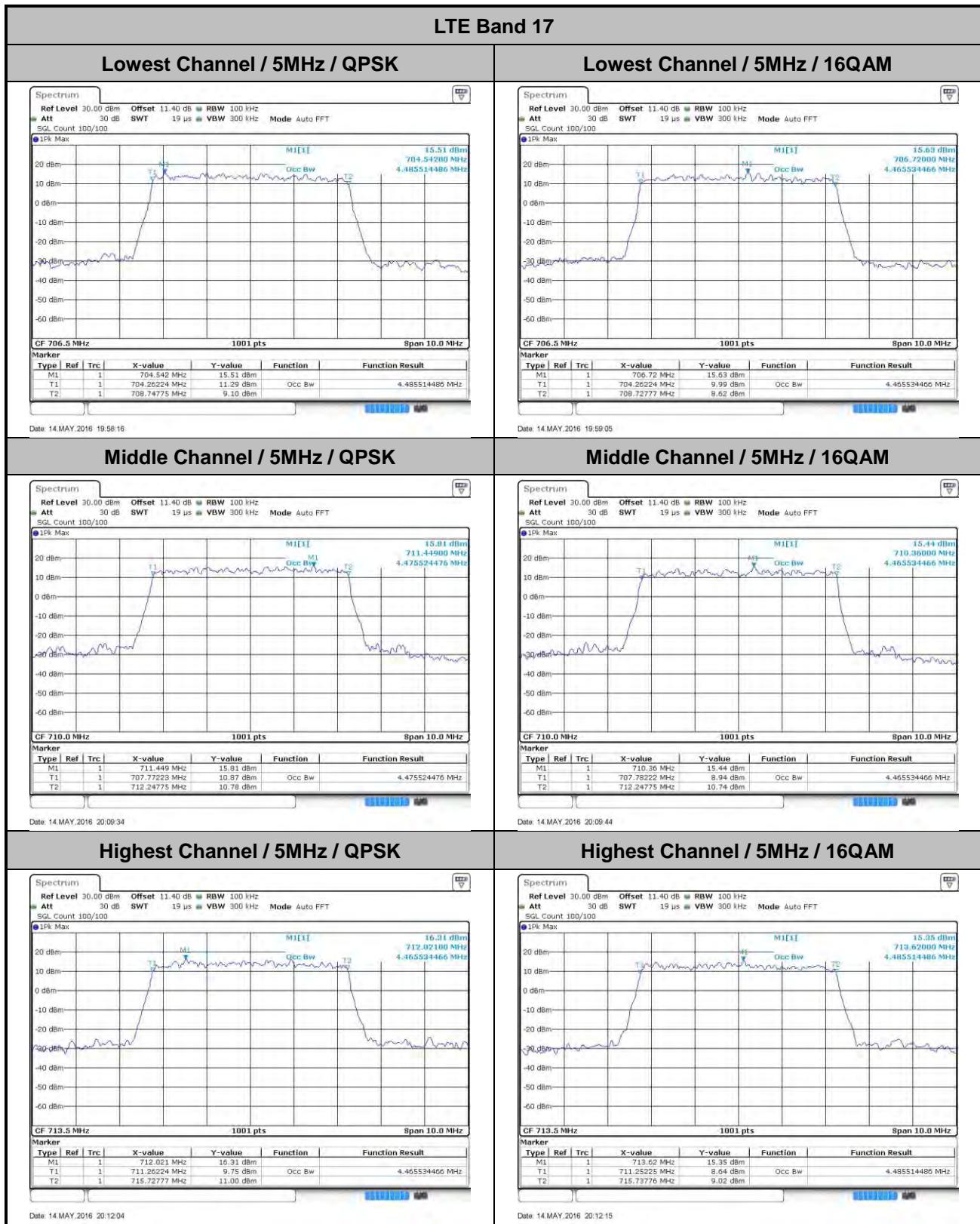
Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.96	4.92	9.91	9.95	-	-	-	-
Middle CH	-	-	-	-	4.85	4.99	9.89	9.85	-	-	-	-
Highest CH	-	-	-	-	4.84	4.90	9.95	9.65	-	-	-	-

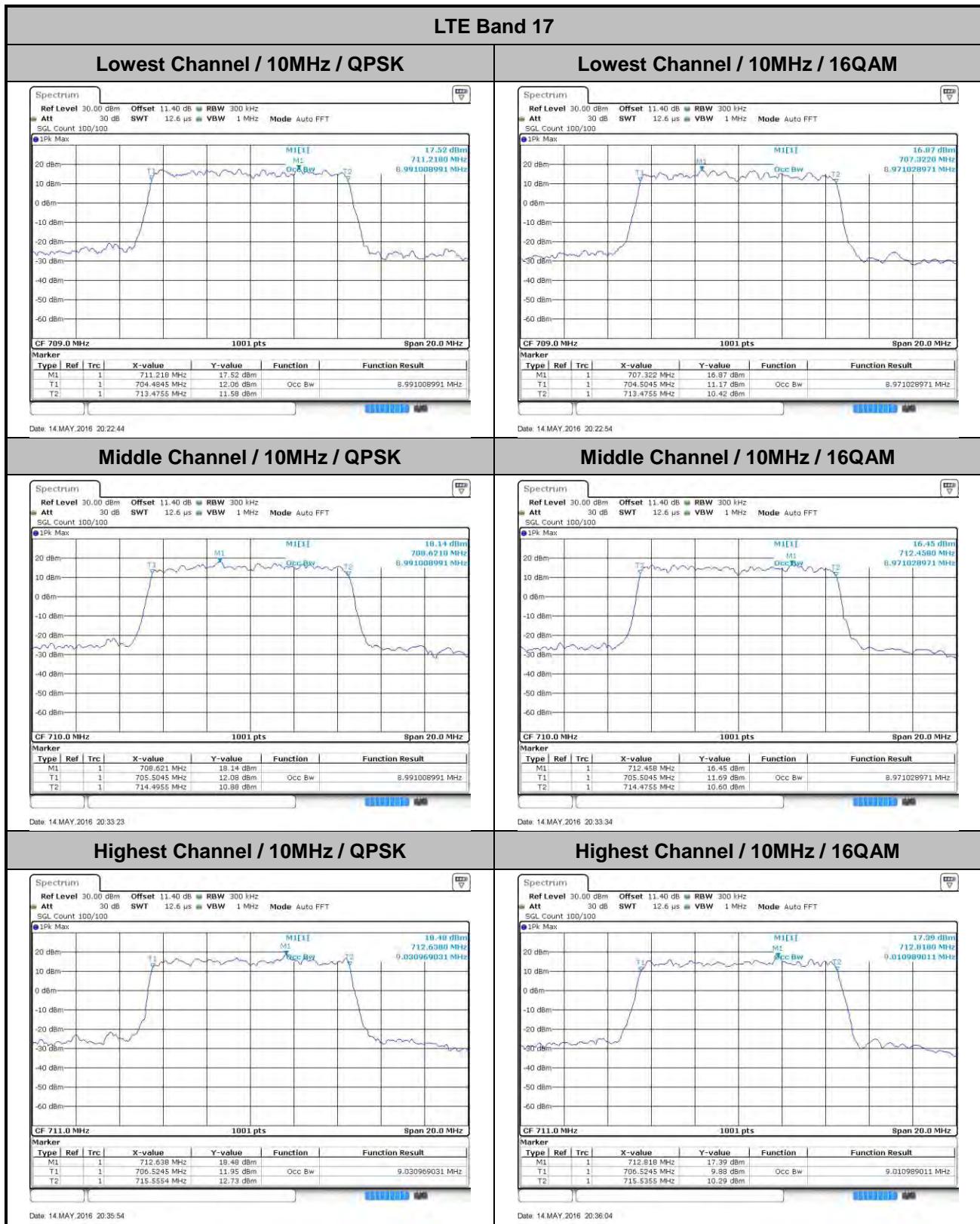




**Occupied Bandwidth**

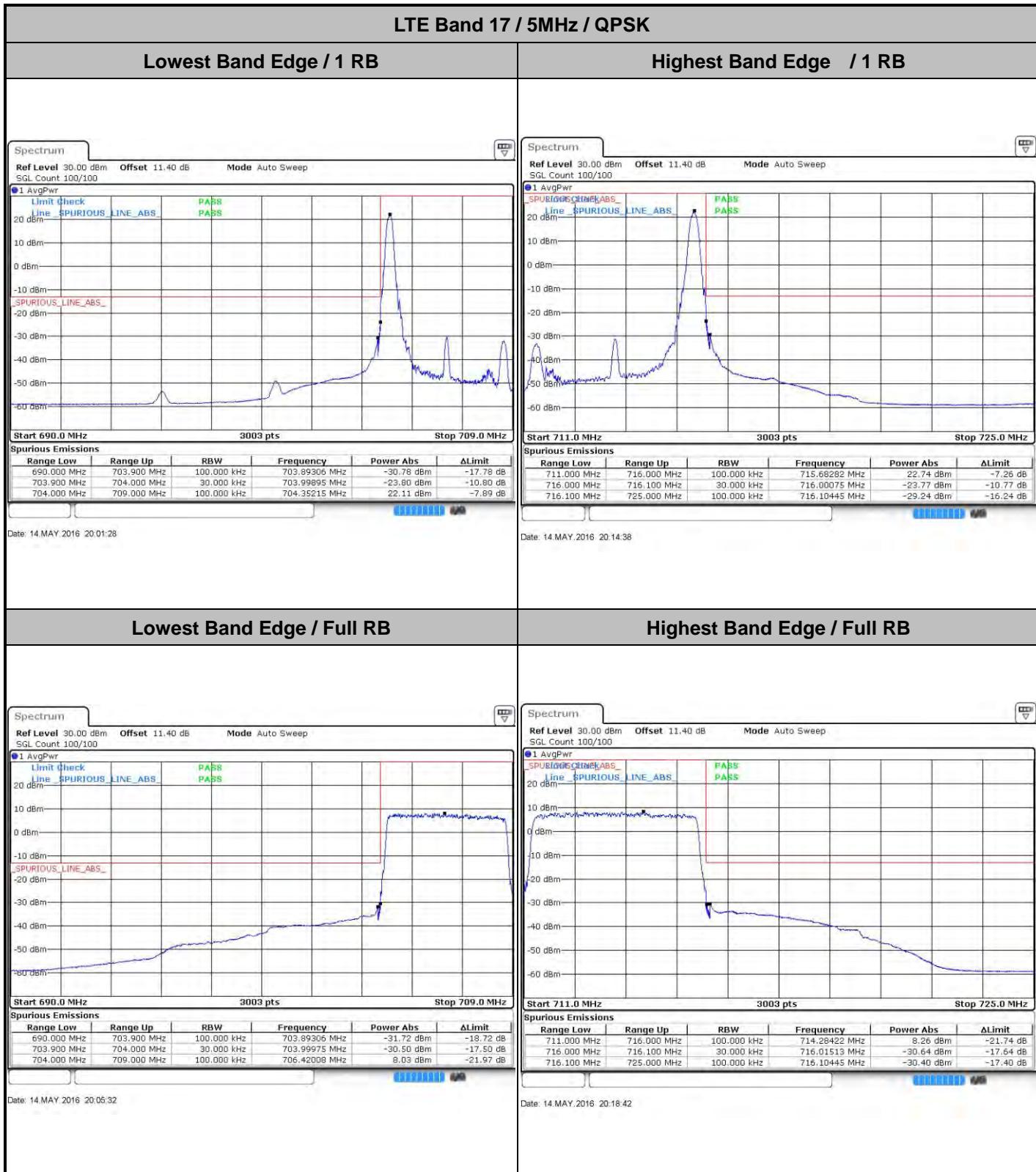
Mode	LTE Band 17 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.49	4.47	8.99	8.97	-	-	-	-
Middle CH	-	-	-	-	4.48	4.47	8.99	8.97	-	-	-	-
Highest CH	-	-	-	-	4.47	4.49	9.03	9.01	-	-	-	-

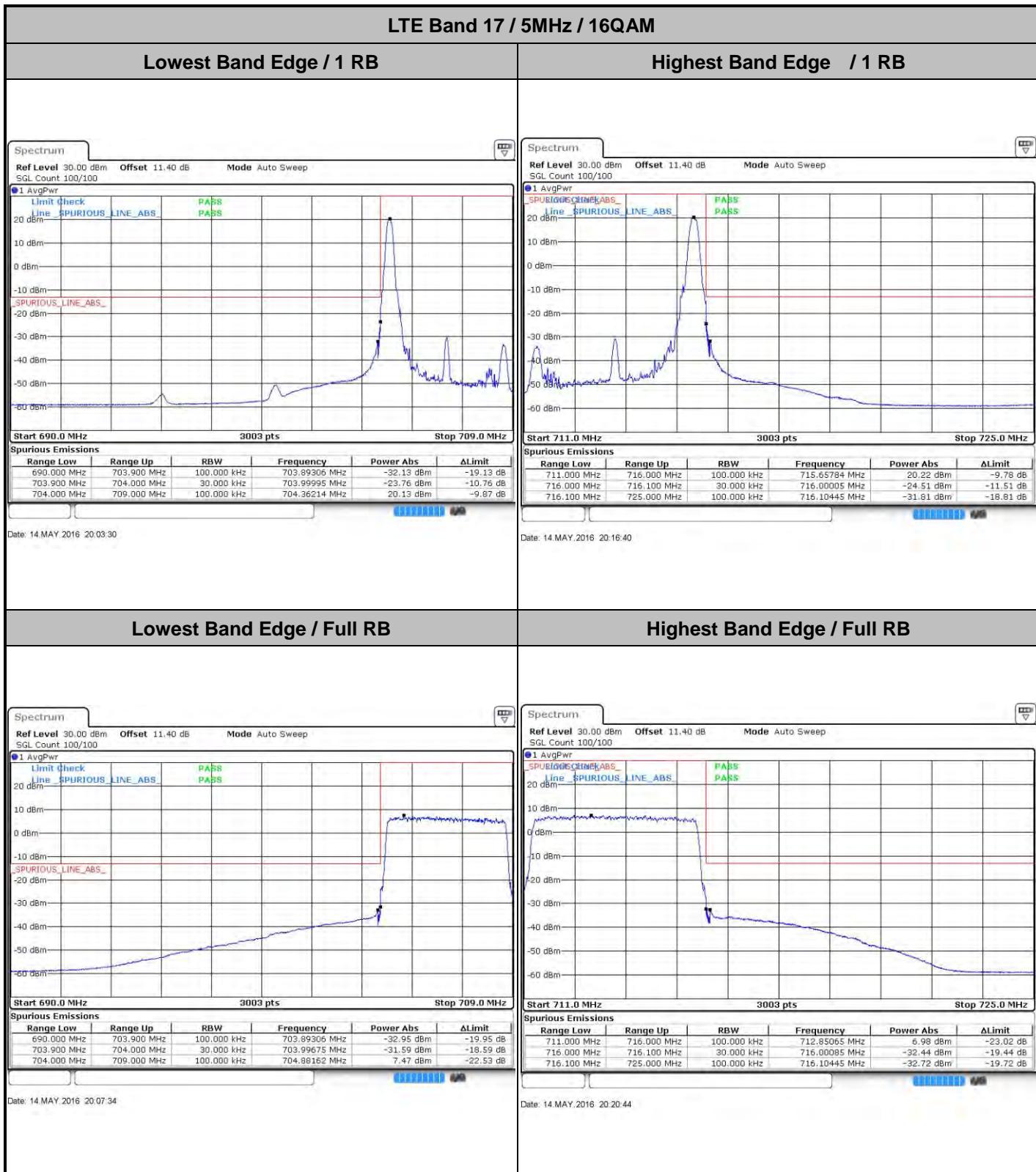


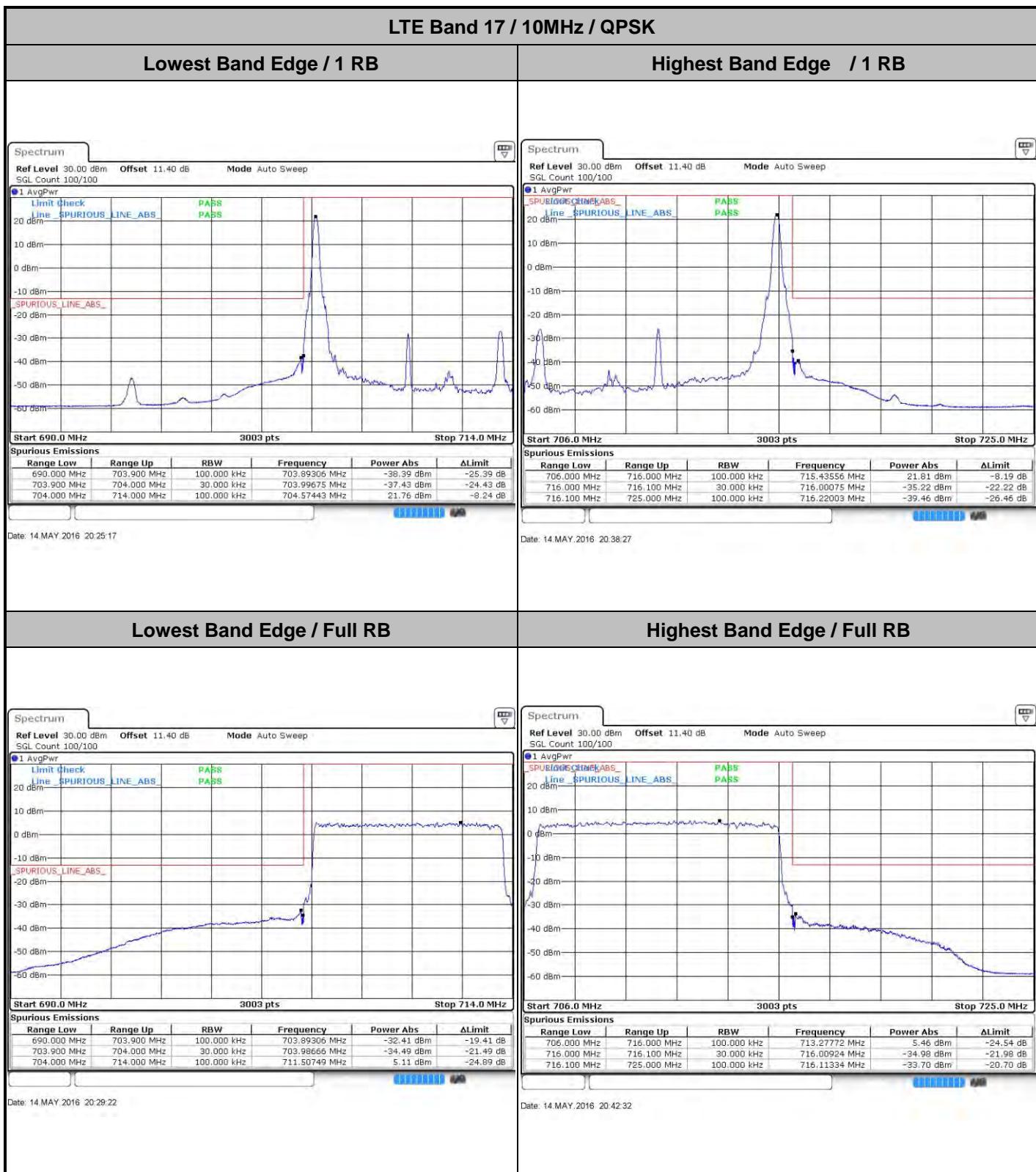


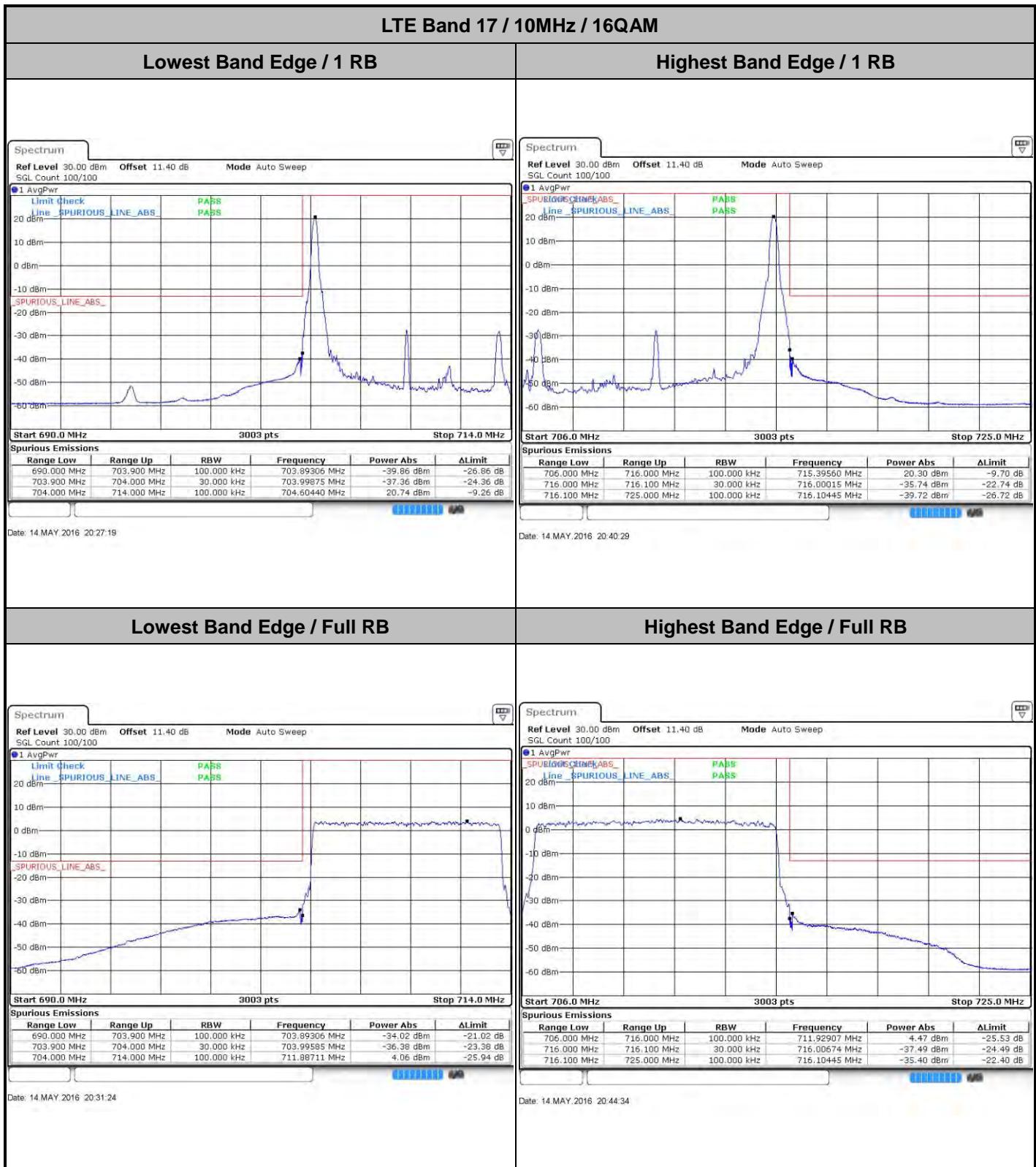


## Conducted Band Edge









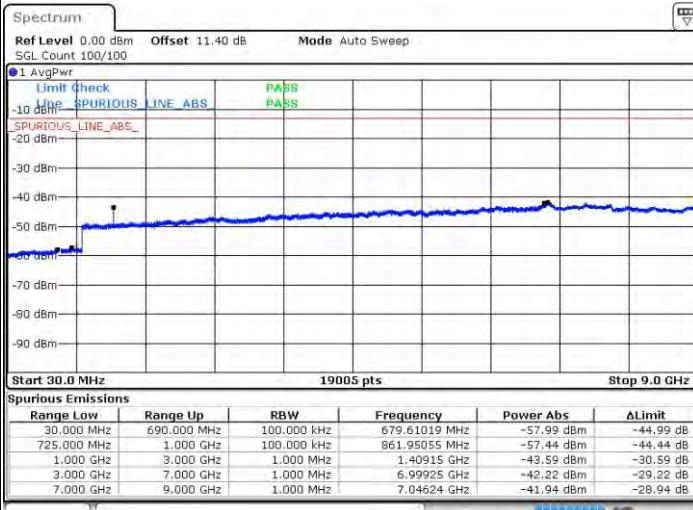
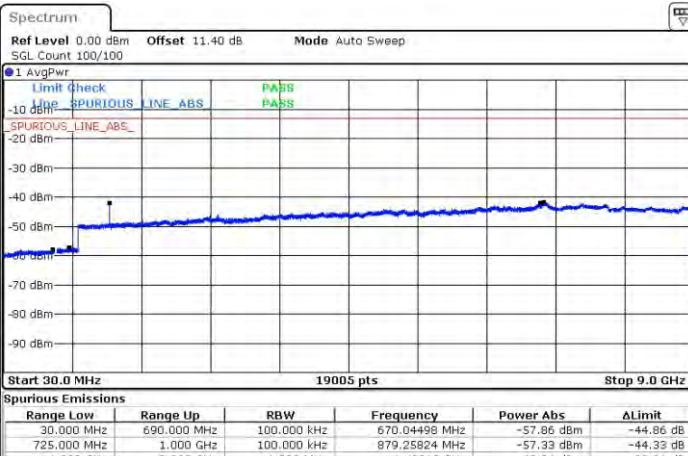


## Conducted Spurious Emission

### LTE Band 17 / 5MHz

#### Lowest Channel / QPSK

#### Lowest Channel / 16QAM

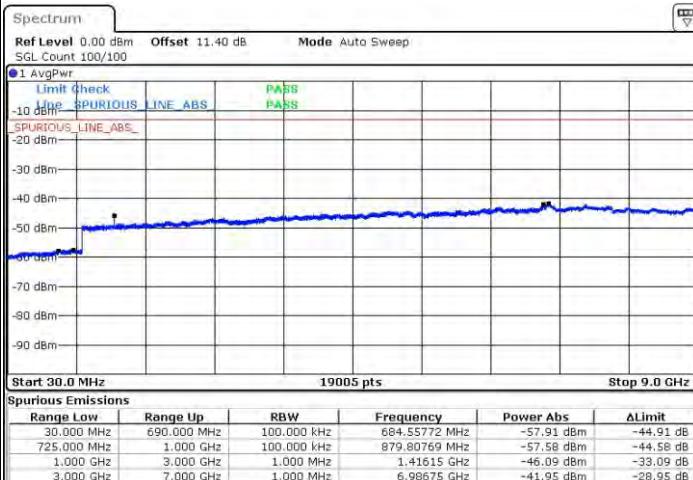
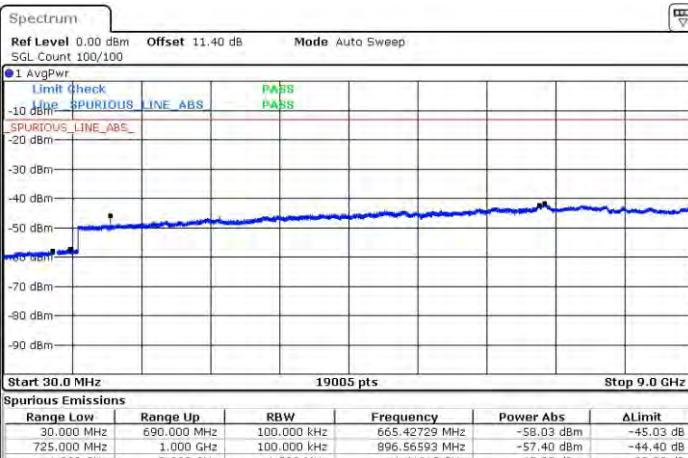


Date: 14.MAY.2016 20:08:29

Date: 14 MAY 2016 20:09:23

#### Middle Channel / QPSK

#### Middle Channel / 16QAM



Date: 14.MAY.2016 20:11:00

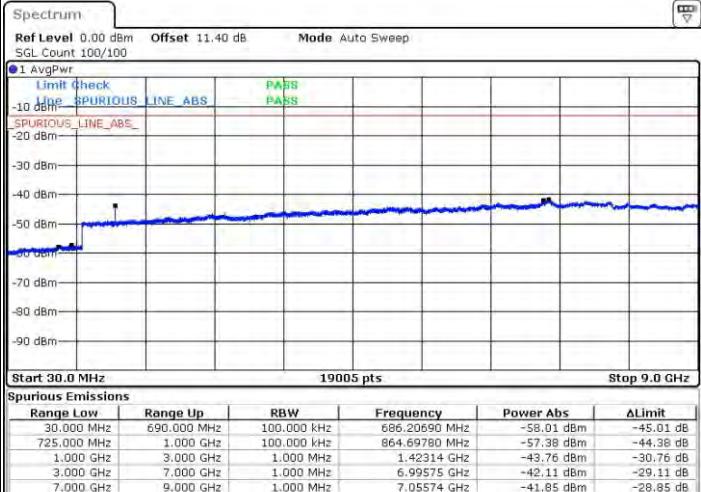
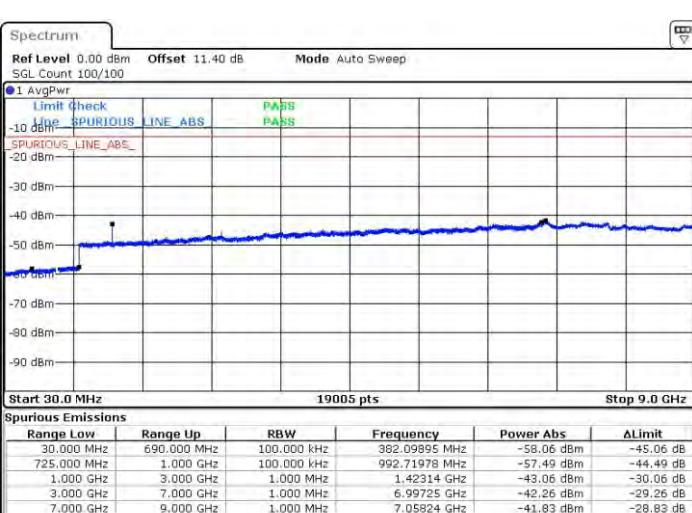
Date: 14 MAY 2016 20:11:54



## LTE Band 17 / 5MHz

## Highest Channel / QPSK

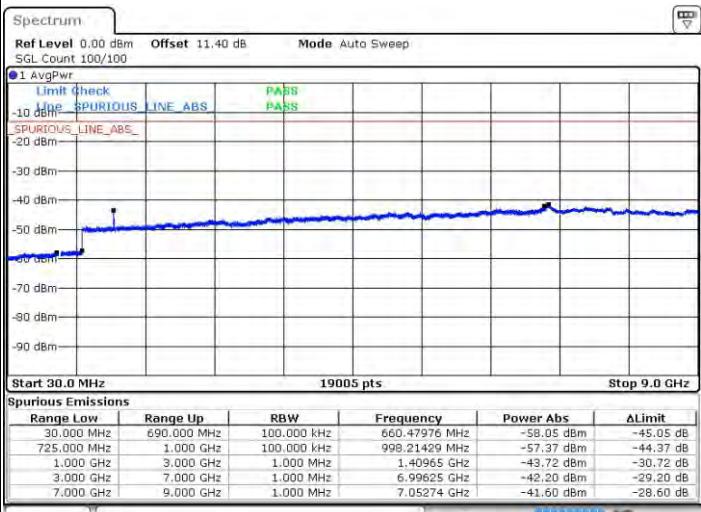
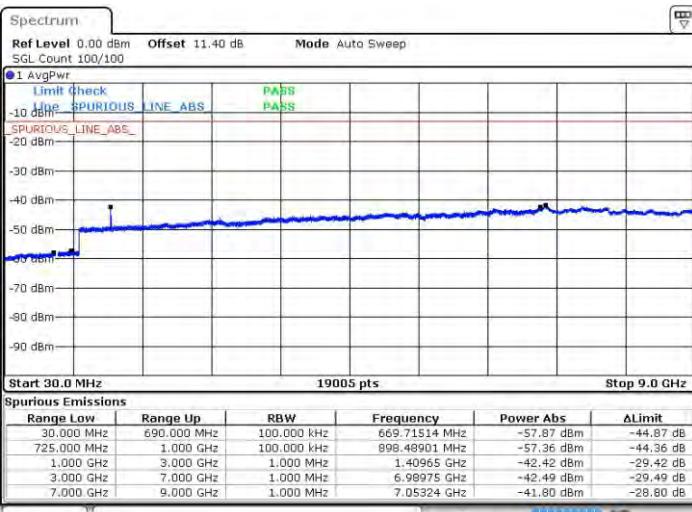
## Highest Channel / 16QAM



## LTE Band 17 / 10MHz

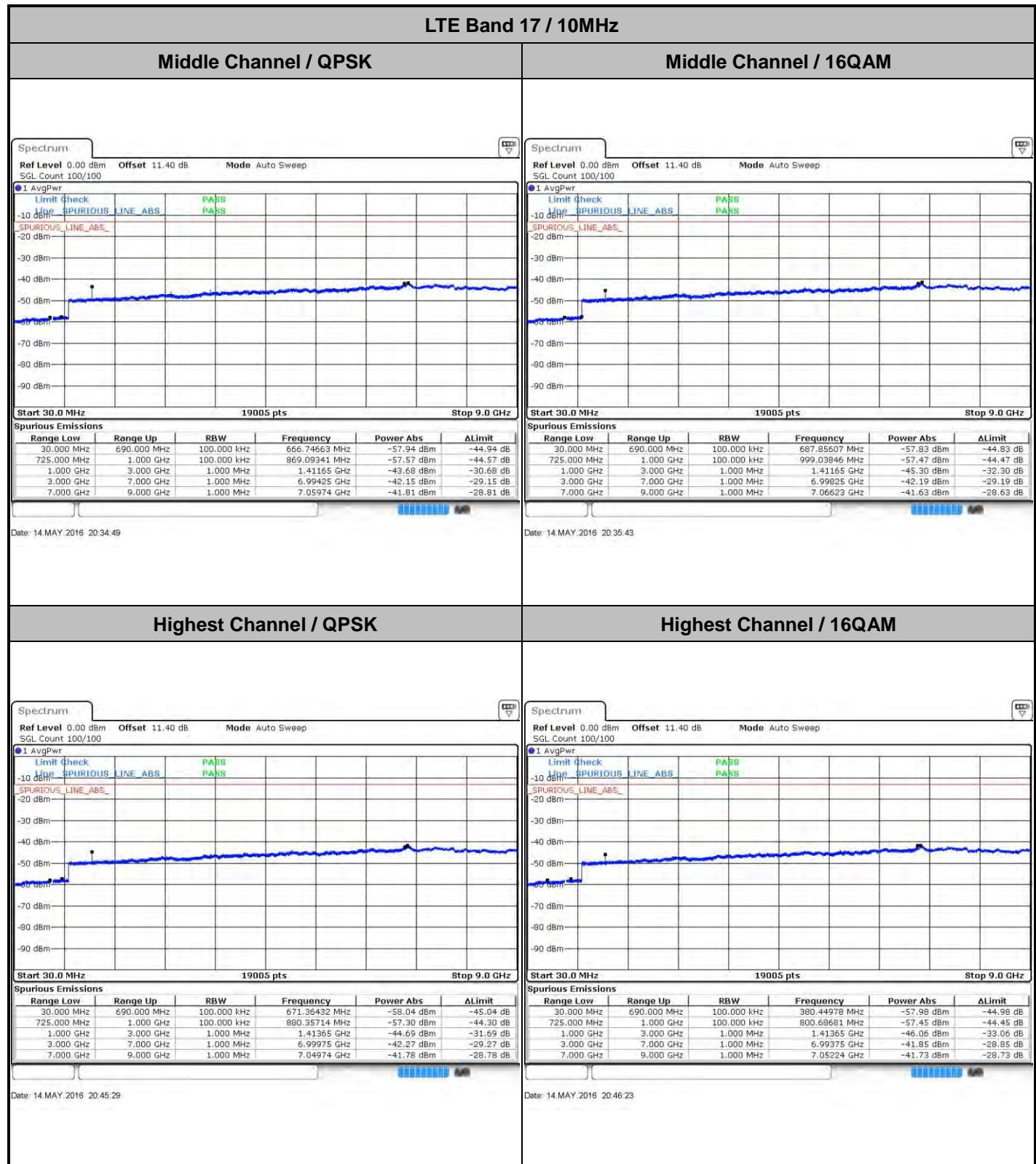
## Lowest Channel / QPSK

## Lowest Channel / 16QAM



Date: 14.MAY.2016 20:32:19

Date: 14.MAY.2016 20:33:13





## 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	0.0115	PASS
40	Normal Voltage	0.0090	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0124	
-20	Normal Voltage	0.0125	
-30	Normal Voltage	0.0124	
20	Maximum Voltage	0.0104	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

**Note:**

1. Normal Voltage = 4.0V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### ERP/ERIP

LTE Band 2 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	18.63	0.0729	19.03	0.0800
Middle		3	1	18.95	0.0785	19.39	0.0869
Highest		3	1	17.99	0.0630	19.89	0.0975
Lowest	16QAM	3	3	17.47	0.0558	18.01	0.0632
Middle		3	3	18.00	0.0631	18.39	0.0690
Highest		3	3	18.52	0.0711	18.98	0.0791
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	18.73	0.0746	19.40	0.0871
Middle		1	8	19.01	0.0796	19.40	0.0871
Highest		1	8	19.36	0.0863	20.10	0.1023
Lowest	16QAM	1	8	17.75	0.0596	18.29	0.0675
Middle		1	8	17.97	0.0627	18.26	0.0670
Highest		1	8	18.36	0.0685	18.88	0.0773
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	19.04	0.0802	19.72	0.0938
Middle		1	12	19.57	0.0906	19.80	0.0955
Highest		1	12	19.51	0.0893	20.22	0.1052
Lowest	16QAM	1	12	18.15	0.0653	18.78	0.0755
Middle		1	12	19.57	0.0906	19.80	0.0955
Highest		1	12	18.74	0.0748	19.33	0.0857
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	19.07	0.0807	19.61	0.0914
Middle		1	25	19.29	0.0849	19.60	0.0912
Highest		1	25	19.54	0.0899	19.95	0.0989
Lowest	16QAM	1	25	17.88	0.0614	18.18	0.0658
Middle		1	25	18.17	0.0656	18.65	0.0733
Highest		1	25	18.14	0.0652	18.92	0.0780
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	19.10	0.0813	19.69	0.0931
Middle		1	37	19.38	0.0867	19.74	0.0942
Highest		1	37	19.41	0.0873	19.96	0.0991
Lowest	16QAM	1	37	18.45	0.0700	19.06	0.0805
Middle		1	37	18.61	0.0726	18.89	0.0774
Highest		1	37	18.68	0.0738	19.23	0.0838
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	19.28	0.0847	19.76	0.0946
Middle		1	49	19.42	0.0875	19.68	0.0929
Highest		1	49	19.44	0.0879	20.12	0.1028
Lowest	16QAM	1	49	17.44	0.0555	18.09	0.0644
Middle		1	49	18.38	0.0689	18.64	0.0731
Highest		1	49	18.60	0.0724	18.91	0.0778
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	19.08	0.0809	19.03	0.0800
Middle		3	0	19.80	0.0955	19.81	0.0957
Highest		3	0	20.26	0.1062	19.70	0.0933
Lowest	16QAM	3	0	17.93	0.0621	18.08	0.0643
Middle		3	0	18.97	0.0789	19.16	0.0824
Highest		3	0	19.38	0.0867	18.80	0.0759
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	19.14	0.0820	19.76	0.0946
Middle		1	8	19.94	0.0986	20.12	0.1028
Highest		1	8	20.22	0.1052	19.62	0.0916
Lowest	16QAM	1	14	18.07	0.0641	18.30	0.0676
Middle		1	14	18.58	0.0721	19.14	0.0820
Highest		1	14	19.18	0.0828	18.66	0.0735
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	19.59	0.0910	19.48	0.0887
Middle		1	12	20.45	0.1109	20.71	0.1178
Highest		1	12	20.29	0.1069	19.94	0.0986
Lowest	16QAM	1	24	18.27	0.0671	18.72	0.0745
Middle		1	24	18.85	0.0767	19.38	0.0867
Highest		1	24	19.01	0.0796	18.93	0.0782
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	19.52	0.0895	19.89	0.0975
Middle		1	25	19.92	0.0982	20.16	0.1038
Highest		1	25	19.73	0.0940	19.65	0.0923
Lowest	16QAM	1	0	18.58	0.0721	18.74	0.0748
Middle		1	0	18.65	0.0733	18.91	0.0778
Highest		1	0	18.66	0.0735	19.35	0.0861
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	19.82	0.0959	20.61	0.1151
Middle		1	37	20.46	0.1112	20.35	0.1084
Highest		1	37	19.96	0.0991	20.03	0.1007
Lowest	16QAM	1	74	18.98	0.0791	19.98	0.0995
Middle		1	74	18.66	0.0735	18.79	0.0757
Highest		1	74	19.05	0.0804	18.70	0.0741
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	19.93	0.0984	20.31	0.1074
Middle		1	49	20.11	0.1026	20.24	0.1057
Highest		1	49	20.38	0.1091	20.31	0.1074
Lowest	16QAM	1	49	18.97	0.0789	19.33	0.0857
Middle		1	49	18.88	0.0773	19.05	0.0804
Highest		1	49	19.58	0.0908	19.45	0.0881
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	16.70	0.0468	20.62	0.1153
Middle		3	1	17.29	0.0536	20.30	0.1072
Highest		3	1	17.03	0.0505	19.11	0.0815
Lowest	16QAM	1	3	15.93	0.0392	19.82	0.0959
Middle		1	3	15.99	0.0397	19.30	0.0851
Highest		1	3	15.98	0.0396	17.99	0.0630
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	16.89	0.0489	20.62	0.1153
Middle		1	8	17.37	0.0546	20.24	0.1057
Highest		1	8	16.76	0.0474	19.00	0.0794
Lowest	16QAM	1	8	15.83	0.0383	17.96	0.0625
Middle		1	8	16.19	0.0416	18.83	0.0764
Highest		1	8	15.97	0.0395	18.06	0.0640
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	17.12	0.0515	20.75	0.1189
Middle		1	12	17.22	0.0527	20.22	0.1052
Highest		1	12	17.08	0.0511	19.25	0.0841
Lowest	16QAM	1	12	16.04	0.0402	19.96	0.0991
Middle		1	12	16.55	0.0452	19.45	0.0881
Highest		1	12	16.14	0.0411	18.30	0.0676
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	17.03	0.0505	20.56	0.1138
Middle		1	25	17.13	0.0516	20.15	0.1035
Highest		1	25	17.08	0.0511	19.50	0.0891
Lowest	16QAM	1	25	16.13	0.0410	19.62	0.0916
Middle		1	25	16.26	0.0423	19.16	0.0824
Highest		1	25	16.11	0.0408	18.51	0.0710
Limit	ERP < 7W			Result		PASS	



Channel	Mode	LTE Band 7 / 5MHz (Average)					
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	16.66	0.0463	19.87	0.0971
Middle		1	12	15.61	0.0364	19.95	0.0989
Highest		1	12	16.11	0.0408	21.90	0.1549
Lowest	16QAM	1	12	16.00	0.0398	19.21	0.0834
Middle		1	12	14.73	0.0297	19.07	0.0807
Highest		1	12	15.46	0.0352	21.07	0.1279
Limit	EIRP < 2W			Result		PASS	

Channel	Mode	LTE Band 7 / 10MHz (Average)					
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	16.67	0.0465	19.97	0.0993
Middle		1	25	15.76	0.0377	20.02	0.1005
Highest		1	25	16.13	0.0410	21.98	0.1578
Lowest	16QAM	1	25	15.62	0.0365	18.98	0.0791
Middle		1	25	14.65	0.0292	18.99	0.0793
Highest		1	25	14.94	0.0312	20.84	0.1213
Limit	EIRP < 2W			Result		PASS	

Channel	Mode	LTE Band 7 / 15MHz (Average)					
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	16.87	0.0486	20.27	0.1064
Middle		1	37	15.84	0.0384	20.15	0.1035
Highest		1	37	16.36	0.0433	21.92	0.1556
Lowest	16QAM	1	0	15.04	0.0319	18.02	0.0634
Middle		1	0	14.51	0.0282	18.39	0.0690
Highest		1	0	15.21	0.0332	20.13	0.1030
Limit	EIRP < 2W			Result		PASS	

Channel	Mode	LTE Band 7 / 20MHz (Average)					
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	17.28	0.0535	19.45	0.0881
Middle		1	49	16.75	0.0473	20.83	0.1211
Highest		1	49	16.34	0.0431	21.36	0.1368
Lowest	16QAM	1	49	15.97	0.0395	18.42	0.0695
Middle		1	49	15.53	0.0357	19.69	0.0931
Highest		1	49	15.38	0.0345	20.54	0.1132
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	8.26	0.0067	17.63	0.0579
Middle		3	0	8.97	0.0079	17.94	0.0622
Highest		3	0	9.06	0.0081	17.99	0.0630
Lowest	16QAM	1	3	7.31	0.0054	16.96	0.0497
Middle		1	3	7.93	0.0062	17.26	0.0532
Highest		1	3	7.59	0.0057	16.91	0.0491
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	8.62	0.0073	17.48	0.0560
Middle		1	8	8.75	0.0075	17.58	0.0573
Highest		1	8	9.25	0.0084	17.92	0.0619
Lowest	16QAM	1	0	7.12	0.0052	16.15	0.0412
Middle		1	0	7.96	0.0063	16.46	0.0443
Highest		1	0	8.11	0.0065	16.65	0.0462
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	8.96	0.0079	17.62	0.0578
Middle		1	12	9.16	0.0082	17.82	0.0605
Highest		1	12	9.76	0.0095	18.20	0.0661
Lowest	16QAM	1	24	8.23	0.0067	16.81	0.0480
Middle		1	24	8.57	0.0072	17.27	0.0533
Highest		1	24	8.78	0.0076	17.29	0.0536
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	8.80	0.0076	17.95	0.0624
Middle		1	25	8.36	0.0069	18.22	0.0664
Highest		1	25	9.06	0.0081	17.92	0.0619
Lowest	16QAM	1	25	8.22	0.0066	17.23	0.0528
Middle		1	25	7.65	0.0058	17.37	0.0546
Highest		1	25	8.52	0.0071	16.91	0.0491
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	8.89	0.0077	17.85	0.0610
Middle		1	12	8.89	0.0077	17.85	0.0610
Highest		1	12	9.71	0.0094	18.20	0.0661
Lowest	16QAM	1	24	9.71	0.0094	18.15	0.0653
Middle		1	24	7.58	0.0057	16.89	0.0489
Highest		1	24	9.07	0.0081	17.59	0.0574
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average)							
Channel	Mode	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	9.32	0.0086	17.99	0.0630
Middle		1	25	8.79	0.0076	18.02	0.0634
Highest		1	25	9.53	0.0090	17.84	0.0608
Lowest	16QAM	1	25	8.15	0.0065	17.06	0.0508
Middle		1	25	8.00	0.0063	17.29	0.0536
Highest		1	25	8.56	0.0072	16.95	0.0495
Limit	ERP < 3W			Result		PASS	

**Radiated Spurious Emission****LTE Band 2**

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	-42.78	-13	-29.78	-36.59	-49.35	1.67	8.24	H
	5548	-39.82	-13	-26.82	-40.39	-46.89	2.65	9.72	H
	7403	-40.22	-13	-27.22	-46.2	-49.37	2.46	11.61	H
	9251	-48.21	-13	-35.21	-58.19	-58.27	2.54	12.60	H
									H
									H
									H
	3700	-43.20	-13	-30.20	-36.76	-49.77	1.67	8.24	V
	5548	-32.44	-13	-19.44	-32.97	-39.51	2.65	9.72	V
	7403	-40.65	-13	-27.65	-46.93	-49.80	2.46	11.61	V
	9251	-47.33	-13	-34.33	-55.9	-57.39	2.54	12.60	V
									V
									V
									V



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 )
Middle	3756	-53.37	-13	-40.37	-47.24	-59.99	1.68	8.31	H
	5639	-45.65	-13	-32.65	-46.46	-52.70	2.71	9.76	H
	7515	-42.98	-13	-29.98	-49.21	-52.36	2.42	11.81	H
	9398	-48.69	-13	-35.69	-59.2	-58.66	2.57	12.54	H
									H
									H
									H
	3756	-52.93	-13	-39.93	-46.58	-59.55	1.68	8.31	V
	5639	-37.80	-13	-24.80	-38.55	-44.85	2.71	9.76	V
	7515	-43.54	-13	-30.54	-50.06	-52.92	2.42	11.81	V
Highest	9398	-46.82	-13	-33.82	-55.68	-56.79	2.57	12.54	V
									V
									V
									V
	3819	-51.56	-13	-38.56	-45.52	-58.24	1.70	8.38	H
	5723	-40.07	-13	-27.07	-41.11	-47.11	2.75	9.79	H
	7634	-40.32	-13	-27.32	-46.75	-49.81	2.39	11.88	H
	9545	-48.87	-13	-35.87	-59.93	-58.74	2.60	12.47	H
									H
									H
Lowest	3819	-55.54	-13	-42.54	-49.3	-62.22	1.70	8.38	V
	5723	-39.76	-13	-26.76	-40.73	-46.80	2.75	9.79	V
	7634	-39.85	-13	-26.85	-46.52	-49.34	2.39	11.88	V
	9545	-46.63	-13	-33.63	-55.88	-56.50	2.60	12.47	V
									V
									V
									V
									V
									V
									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	-43.24	-13	-30.24	-37.05	-49.81	1.67	8.24	H
	5548	-44.76	-13	-31.76	-45.33	-51.83	2.65	9.72	H
	7403	-40.80	-13	-27.80	-46.78	-49.95	2.46	11.61	H
	9251	-47.25	-13	-34.25	-57.23	-57.31	2.54	12.60	H
									H
									H
									H
	3700	-43.99	-13	-30.99	-37.55	-50.56	1.67	8.24	V
	5548	-40.04	-13	-27.04	-40.57	-47.11	2.65	9.72	V
	7403	-41.23	-13	-28.23	-47.51	-50.38	2.46	11.61	V
Middle	9251	-46.47	-13	-33.47	-55.04	-56.53	2.54	12.60	V
									V
									V
									V
	3756	-51.83	-13	-38.83	-45.7	-58.45	1.68	8.31	H
	5639	-47.22	-13	-34.22	-48.03	-54.27	2.71	9.76	H
	7515	-43.21	-13	-30.21	-49.44	-52.59	2.42	11.81	H
	9391	-49.03	-13	-36.03	-59.54	-59.01	2.57	12.54	H
									H
									H
	3756	-52.97	-13	-39.97	-46.62	-59.59	1.68	8.31	V
	5639	-45.20	-13	-32.20	-45.95	-52.25	2.71	9.76	V
	7515	-42.78	-13	-29.78	-49.3	-52.16	2.42	11.81	V
	9391	-45.88	-13	-32.88	-54.74	-55.86	2.57	12.54	V
									V
									V
									V



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)
Highest	3812	-52.93	-13	-39.93	-46.87	-59.60	1.70	8.37	H
	5723	-43.13	-13	-30.13	-44.17	-50.17	2.75	9.79	H
	7627	-39.10	-13	-26.10	-45.53	-48.59	2.39	11.88	H
	9538	-47.53	-13	-34.53	-58.53	-57.41	2.60	12.48	H
									H
									H
									H
	3812	-56.60	-13	-43.60	-50.33	-63.27	1.70	8.37	V
	5723	-43.90	-13	-30.90	-44.87	-50.94	2.75	9.79	V
	7627	-39.41	-13	-26.41	-46.08	-48.90	2.39	11.88	V
	9538	-45.17	-13	-32.17	-54.35	-55.05	2.60	12.48	V
									V
									V
									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	-43.68	-13	-30.68	-37.49	-50.25	1.67	8.24	H
	5548	-47.59	-13	-34.59	-48.16	-54.66	2.65	9.72	H
	7403	-43.06	-13	-30.06	-49.04	-52.21	2.46	11.61	H
	9251	-46.90	-13	-33.90	-56.88	-56.96	2.54	12.60	H
	12954	-51.26	-13	-38.26	-68.27	-61.29	2.92	12.94	H
	14802	-53.75	-13	-40.75	-71.13	-63.60	3.52	13.36	H
									H
	3700	-44.23	-13	-31.23	-37.79	-50.80	1.67	8.24	V
	5548	-45.53	-13	-32.53	-46.06	-52.60	2.65	9.72	V
	7403	-41.76	-13	-28.76	-48.04	-50.91	2.46	11.61	V
	9251	-45.15	-13	-32.15	-53.72	-55.21	2.54	12.60	V
	12954	-48.40	-13	-35.40	-64.61	-58.43	2.92	12.94	V
	14802	-51.84	-13	-38.84	-70.36	-61.69	3.52	13.36	V
									V
Middle	3756	-53.72	-13	-40.72	-47.59	-60.34	1.68	8.31	H
	5632	-42.55	-13	-29.55	-43.34	-49.60	2.70	9.75	H
	7508	-42.69	-13	-29.69	-48.92	-52.07	2.43	11.80	H
	9391	-47.62	-13	-34.62	-58.14	-57.60	2.57	12.54	H
									H
									H
									H
	3756	-51.18	-13	-38.18	-44.85	-57.80	1.68	8.31	V
	5632	-42.55	-13	-29.55	-43.26	-49.60	2.70	9.75	V
	7508	-42.54	-13	-29.54	-49.07	-51.92	2.43	11.80	V
	9391	-43.55	-13	-30.55	-52.44	-53.53	2.57	12.54	V
									V
									V
									V



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)
Highest	3812	-51.64	-13	-38.64	-45.6	-58.31	1.70	8.37	H
	5716	-40.12	-13	-27.12	-41.15	-47.16	2.75	9.79	H
	7620	-38.46	-13	-25.46	-44.87	-47.94	2.39	11.87	H
	9524	-47.62	-13	-34.62	-58.56	-57.51	2.59	12.49	H
									H
									H
									H
	3812	-55.23	-13	-42.23	-48.96	-61.90	1.70	8.37	V
	5716	-44.32	-13	-31.32	-45.26	-51.36	2.75	9.79	V
	7620	-37.64	-13	-24.64	-44.32	-47.12	2.39	11.87	V
	9524	-43.22	-13	-30.22	-52.34	-53.11	2.59	12.49	V
									V
									V
									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	3700	-42.24	-13	-29.24	-36.07	-48.81	1.67	8.24	H
	5548	-42.64	-13	-29.64	-43.22	-49.71	2.65	9.72	H
	7403	-42.23	-13	-29.23	-48.21	-51.38	2.46	11.61	H
	9251	-45.65	-13	-32.65	-55.63	-55.71	2.54	12.60	H
									H
									H
									H
	3700	-44.43	-13	-31.43	-37.99	-51.00	1.67	8.24	V
	5548	-42.72	-13	-29.72	-43.27	-49.79	2.65	9.72	V
	7403	-41.97	-13	-28.97	-48.27	-51.12	2.46	11.61	V
Middle	9251	-43.33	-13	-30.33	-51.9	-53.39	2.54	12.60	V
									V
									V
									V
	3749	-49.07	-13	-36.07	-42.95	-55.69	1.68	8.30	H
	5625	-36.64	-13	-23.64	-37.44	-43.69	2.70	9.75	H
	7501	-41.92	-13	-28.92	-48.12	-51.29	2.43	11.80	H
	9377	-46.46	-13	-33.46	-56.91	-56.45	2.56	12.55	H
									H
									H
Middle	3749	-50.03	-13	-37.03	-43.68	-56.65	1.68	8.30	V
	5625	-38.79	-13	-25.79	-39.51	-45.84	2.70	9.75	V
	7501	-41.92	-13	-28.92	-48.42	-51.29	2.43	11.80	V
	9377	-41.71	-13	-28.71	-50.55	-51.70	2.56	12.55	V
									V
									V
									V
									V
									V
									V



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)
Highest	3798	-52.00	-13	-39.00	-45.96	-58.66	1.70	8.36	H
	5702	-38.82	-13	-25.82	-39.84	-45.86	2.74	9.78	H
	7599	-37.57	-13	-24.57	-43.96	-47.03	2.40	11.86	H
	9503	-45.54	-13	-32.54	-56.49	-55.45	2.59	12.50	H
									H
									H
									H
	3798	-52.09	-13	-39.09	-45.84	-58.75	1.70	8.36	V
	5702	-39.81	-13	-26.81	-40.74	-46.85	2.74	9.78	V
	7599	-38.24	-13	-25.24	-44.86	-47.70	2.40	11.86	V
	9503	-40.70	-13	-27.70	-49.78	-50.61	2.59	12.50	V
									V
									V
									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	3700	-44.69	-13	-31.69	-38.52	-51.26	1.67	8.24	H
	5555	-43.10	-13	-30.10	-43.68	-50.17	2.66	9.72	H
	7403	-42.20	-13	-29.20	-48.18	-51.35	2.46	11.61	H
	9251	-45.84	-13	-32.84	-55.82	-55.90	2.54	12.60	H
									H
									H
									H
	3700	-46.18	-13	-33.18	-39.75	-52.75	1.67	8.24	V
	5555	-42.72	-13	-29.72	-43.25	-49.79	2.66	9.72	V
	7403	-42.41	-13	-29.41	-48.69	-51.56	2.46	11.61	V
Middle	9251	-43.50	-13	-30.50	-52.1	-53.56	2.54	12.60	V
									V
									V
									V
	3749	-48.13	-13	-35.13	-42.02	-54.75	1.68	8.30	H
	5618	-43.39	-13	-30.39	-44.15	-50.44	2.69	9.75	H
	7494	-42.64	-13	-29.64	-48.84	-52.00	2.43	11.79	H
	9370	-45.94	-13	-32.94	-56.33	-55.93	2.56	12.55	H
									H
									H
Middle	3749	-50.22	-13	-37.22	-43.87	-56.84	1.68	8.30	V
	5618	-45.23	-13	-32.23	-45.94	-52.28	2.69	9.75	V
	7494	-41.01	-13	-28.01	-47.51	-50.37	2.43	11.79	V
	9370	-41.14	-13	-28.14	-49.96	-51.13	2.56	12.55	V
									V
									V
									V
									V
									V
									V



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)
Highest	3791	-53.81	-13	-40.81	-47.76	-60.46	1.70	8.35	H
	5688	-44.11	-13	-31.11	-45.06	-51.15	2.73	9.78	H
	7585	-40.12	-13	-27.12	-46.48	-49.57	2.40	11.85	H
	9482	-47.64	-13	-34.64	-58.5	-57.56	2.59	12.51	H
									H
									H
									H
	3791	-54.14	-13	-41.14	-47.9	-60.79	1.70	8.35	V
	5688	-42.01	-13	-29.01	-42.89	-49.05	2.73	9.78	V
	7585	-39.44	-13	-26.44	-46.04	-48.89	2.40	11.85	V
	9482	-42.16	-13	-29.16	-51.19	-52.08	2.59	12.51	V
									V
									V
									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	3700	-42.56	-13	-29.56	-36.4	-49.13	1.67	8.24	H
	5555	-41.93	-13	-28.93	-42.53	-49.00	2.66	9.72	H
	7403	-40.74	-13	-27.74	-46.72	-49.89	2.46	11.61	H
	9258	-46.46	-13	-33.46	-56.54	-56.52	2.54	12.60	H
									H
									H
									H
	3700	-44.74	-13	-31.74	-38.31	-51.31	1.67	8.24	V
	5555	-41.72	-13	-28.72	-42.25	-48.79	2.66	9.72	V
	7403	-40.39	-13	-27.39	-46.7	-49.54	2.46	11.61	V
Middle	9258	-42.62	-13	-29.62	-51.24	-52.68	2.54	12.60	V
									V
									V
									V
	3742	-47.04	-13	-34.04	-40.93	-53.65	1.68	8.29	H
	5611	-45.84	-13	-32.84	-46.55	-52.90	2.69	9.74	H
	7487	-42.61	-13	-29.61	-48.82	-51.95	2.43	11.77	H
	9356	-45.10	-13	-32.10	-55.49	-55.10	2.56	12.56	H
									H
									H
Middle	3742	-50.08	-13	-37.08	-43.71	-56.69	1.68	8.29	V
	5611	-41.19	-13	-28.19	-41.85	-48.25	2.69	9.74	V
	7487	-41.45	-13	-28.45	-47.96	-50.79	2.43	11.77	V
	9356	-42.00	-13	-29.00	-50.8	-52.00	2.56	12.56	V
									V
									V
									V
									V
									V
									V



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)
Highest	3784	-48.86	-13	-35.86	-42.78	-55.51	1.69	8.34	H
	5674	-37.81	-13	-24.81	-38.71	-44.85	2.73	9.77	H
	7564	-41.12	-13	-28.12	-47.48	-50.55	2.41	11.84	H
	9454	-47.81	-13	-34.81	-58.52	-57.75	2.58	12.52	H
									H
									H
									H
	3784	-54.30	-13	-41.30	-48.02	-60.95	1.69	8.34	V
	5674	-42.12	-13	-29.12	-43.02	-49.16	2.73	9.77	V
	7564	-40.27	-13	-27.27	-46.88	-49.70	2.41	11.84	V
	9454	-44.04	-13	-31.04	-52.99	-53.98	2.58	12.52	V
									V
									V
									V

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



## LTE Band 4

LTE Band 4 / 1.4MHz / 16QAM									
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	-64.07	-13	-51.07	-57.5	-70.14	1.58	7.65	H
	5128	-54.22	-13	-41.22	-53.78	-61.51	2.41	9.70	H
	6843	-42.15	-13	-29.15	-46.51	-50.12	2.64	10.61	H
	8551	-39.42	-13	-26.42	-47.94	-49.55	2.39	12.52	H
									H
									H
									H
	3420	-62.24	-13	-49.24	-55.37	-68.31	1.58	7.65	V
	5128	-52.36	-13	-39.36	-51.71	-59.65	2.41	9.70	V
	6843	-49.11	-13	-36.11	-53.69	-57.08	2.64	10.61	V
	8551	-42.52	-13	-29.52	-50.7	-52.65	2.39	12.52	V
									V
									V
									V
Middle	3462	-67.07	-13	-54.07	-60.57	-73.31	1.59	7.83	H
	5198	-49.17	-13	-36.17	-48.87	-56.42	2.45	9.70	H
	6927	-45.65	-13	-32.65	-50.33	-53.75	2.61	10.71	H
	8663	-44.47	-13	-31.47	-53.16	-54.62	2.41	12.57	H
									H
									H
									H
	3462	-64.13	-13	-51.13	-57.33	-70.37	1.59	7.83	V
	5198	-53.18	-13	-40.18	-52.71	-60.43	2.45	9.70	V
	6927	-52.59	-13	-39.59	-57.53	-60.69	2.61	10.71	V
	8663	-48.03	-13	-35.03	-56.2	-58.18	2.41	12.57	V
									V
									V
									V



LTE Band 4 / 1.4MHz / 16QAM									
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)
Highest	3504	-64.72	-13	-51.72	-58.34	-71.12	1.61	8.00	H
	5261	-50.24	-13	-37.24	-50.09	-57.45	2.49	9.70	H
	7018	-43.91	-13	-30.91	-48.88	-52.16	2.58	10.84	H
	8768	-45.94	-13	-32.94	-54.76	-56.11	2.43	12.61	H
									H
									H
									H
	3504	-62.05	-13	-49.05	-55.32	-68.45	1.61	8.00	V
	5261	-50.64	-13	-37.64	-50.36	-57.85	2.49	9.70	V
	7018	-48.75	-13	-35.75	-54	-57	2.58	10.84	V
	8768	-45.23	-13	-32.23	-53.4	-55.4	2.43	12.61	V
									V
									V
									V

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



LTE Band 4 / 3MHz / 16QAM									
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	-64.09	-13	-51.09	-57.49	-70.16	1.58	7.65	H
	5128	-53.99	-13	-40.99	-53.51	-61.28	2.41	9.70	H
	6843	-42.79	-13	-29.79	-47.13	-50.76	2.64	10.61	H
	8551	-40.14	-13	-27.14	-48.65	-50.27	2.39	12.52	H
									H
									H
									H
	3420	-61.73	-13	-48.73	-54.85	-67.8	1.58	7.65	V
	5128	-52.74	-13	-39.74	-52.1	-60.03	2.41	9.70	V
	6843	-48.51	-13	-35.51	-53.1	-56.48	2.64	10.61	V
Middle	8551	-43.01	-13	-30.01	-51.19	-53.14	2.39	12.52	V
									V
									V
									V
	3462	-66.32	-13	-53.32	-59.81	-72.56	1.59	7.83	H
	5191	-48.98	-13	-35.98	-48.66	-56.23	2.45	9.70	H
	6927	-45.02	-13	-32.02	-49.7	-53.12	2.61	10.71	H
	8656	-46.96	-13	-33.96	-55.62	-57.11	2.41	12.56	H
									H
									H
Middle	3462	-64.55	-13	-51.55	-57.76	-70.79	1.59	7.83	V
	5191	-50.13	-13	-37.13	-49.66	-57.38	2.45	9.70	V
	6927	-52.55	-13	-39.55	-57.51	-60.65	2.61	10.71	V
	8656	-47.60	-13	-34.60	-55.8	-57.75	2.41	12.56	V
									V
									V
									V
									V
									V
									V



LTE Band 4 / 3MHz / 16QAM									
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)
Highest	3504	-62.49	-13	-49.49	-56.05	-68.89	1.61	8.00	H
	5254	-52.11	-13	-39.11	-51.92	-59.33	2.48	9.70	H
	7011	-42.74	-13	-29.74	-47.69	-50.98	2.59	10.82	H
	8761	-43.82	-13	-30.82	-52.64	-53.99	2.43	12.60	H
									H
									H
									H
	3504	-61.23	-13	-48.23	-54.48	-67.63	1.61	8.00	V
	5254	-50.16	-13	-37.16	-49.84	-57.38	2.48	9.70	V
	7011	-47.61	-13	-34.61	-52.86	-55.85	2.59	10.82	V
	8761	-43.70	-13	-30.70	-51.86	-53.87	2.43	12.60	V
									V
									V
									V

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



LTE Band 4 / 5MHz / 16QAM									
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	-64.16	-13	-51.16	-57.56	-70.23	1.58	7.65	H
	5128	-55.56	-13	-42.56	-55.11	-62.85	2.41	9.70	H
	6843	-41.82	-13	-28.82	-46.14	-49.79	2.64	10.61	H
	8551	-39.79	-13	-26.79	-48.36	-49.92	2.39	12.52	H
									H
									H
									H
	3420	-63.61	-13	-50.61	-56.72	-69.68	1.58	7.65	V
	5128	-49.31	-13	-36.31	-48.66	-56.6	2.41	9.70	V
	6843	-50.53	-13	-37.53	-55.11	-58.5	2.64	10.61	V
Middle	8551	-43.93	-13	-30.93	-52.11	-54.06	2.39	12.52	V
									V
									V
									V
	3462	-66.86	-13	-53.86	-60.35	-73.1	1.59	7.83	H
	5191	-48.95	-13	-35.95	-48.63	-56.2	2.45	9.70	H
	6920	-45.07	-13	-32.07	-49.66	-53.16	2.62	10.70	H
	8649	-49.53	-13	-36.53	-58.18	-59.68	2.41	12.56	H
									H
									H
Middle	3462	-64.61	-13	-51.61	-57.82	-70.85	1.59	7.83	V
	5191	-49.37	-13	-36.37	-48.9	-56.62	2.45	9.70	V
	6920	-51.13	-13	-38.13	-56	-59.22	2.62	10.70	V
	8649	-50.30	-13	-37.30	-58.48	-60.45	2.41	12.56	V
									V
									V
									V
									V
									V
									V



LTE Band 4 / 5MHz / 16QAM									
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)
Highest	3497	-63.26	-13	-50.26	-56.82	-69.64	1.60	7.99	H
	5254	-52.50	-13	-39.50	-52.3	-59.72	2.48	9.70	H
	7004	-42.78	-13	-29.78	-47.74	-51	2.59	10.81	H
	8754	-44.38	-13	-31.38	-53.17	-54.55	2.43	12.60	H
									H
									H
									H
	3497	-61.93	-13	-48.93	-55.2	-68.31	1.60	7.99	V
	5254	-51.81	-13	-38.81	-51.51	-59.03	2.48	9.70	V
	7004	-48.18	-13	-35.18	-53.42	-56.4	2.59	10.81	V
	8754	-43.58	-13	-30.58	-51.76	-53.75	2.43	12.60	V
									V
									V
									V

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



LTE Band 4 / 10MHz / 16QAM									
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	-64.44	-13	-51.44	-57.84	-70.51	1.58	7.65	H
	5128	-55.27	-13	-42.27	-54.79	-62.56	2.41	9.70	H
	6843	-43.59	-13	-30.59	-47.94	-51.56	2.64	10.61	H
	8551	-39.72	-13	-26.72	-48.26	-49.85	2.39	12.52	H
									H
									H
									H
	3420	-62.05	-13	-49.05	-55.19	-68.12	1.58	7.65	V
	5128	-53.74	-13	-40.74	-53.09	-61.03	2.41	9.70	V
	6843	-48.83	-13	-35.83	-53.41	-56.8	2.64	10.61	V
Middle	8551	-44.17	-13	-31.17	-52.36	-54.3	2.39	12.52	V
									V
									V
									V
	3455	-67.24	-13	-54.24	-60.82	-73.45	1.59	7.80	H
	5184	-47.00	-13	-34.00	-46.67	-54.26	2.44	9.70	H
	6913	-42.18	-13	-29.18	-46.78	-50.26	2.62	10.70	H
	8642	-48.49	-13	-35.49	-57.14	-58.64	2.41	12.56	H
									H
									H
Middle	3455	-64.54	-13	-51.54	-57.78	-70.75	1.59	7.80	V
	5184	-51.39	-13	-38.39	-50.88	-58.65	2.44	9.70	V
	6913	-50.52	-13	-37.52	-55.39	-58.6	2.62	10.70	V
	8642	-50.56	-13	-37.56	-58.78	-60.71	2.41	12.56	V
									V
									V
									V
									V
									V
									V



LTE Band 4 / 10MHz / 16QAM									
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)
Highest	3490	-64.50	-13	-51.50	-58.12	-70.85	1.60	7.96	H
	5233	-56.25	-13	-43.25	-56.02	-63.48	2.47	9.70	H
	6983	-41.33	-13	-28.33	-46.18	-49.51	2.60	10.78	H
	8726	-43.83	-13	-30.83	-52.6	-54	2.42	12.59	H
									H
									H
									H
	3490	-61.07	-13	-48.07	-54.3	-67.42	1.60	7.96	V
	5233	-54.00	-13	-41.00	-53.64	-61.23	2.47	9.70	V
	6983	-43.42	-13	-30.42	-48.57	-51.6	2.60	10.78	V
	8726	-41.15	-13	-28.15	-49.36	-51.32	2.42	12.59	V
									V
									V
									V

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



LTE Band 4 / 15MHz / 16QAM									
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	-64.78	-13	-51.78	-58.2	-70.85	1.58	7.65	H
	5135	-55.00	-13	-42.00	54.52	-62.29	2.41	9.70	H
	6843	-43.54	-13	-30.54	-47.86	-51.51	2.64	10.61	H
	8551	-39.72	-13	-26.72	-48.24	-49.85	2.39	12.52	H
									H
									H
									H
	3420	-61.93	-13	-48.93	-55.05	-68	1.58	7.65	V
	5135	-54.16	-13	-41.16	-53.55	-61.45	2.41	9.70	V
	6843	-48.95	-13	-35.95	-53.54	-56.92	2.64	10.61	V
Middle	8551	-44.32	-13	-31.32	-52.53	-54.45	2.39	12.52	V
									V
									V
									V
	3448	-66.77	-13	-53.77	-60.23	-72.95	1.59	7.77	H
	5177	-53.63	-13	-40.63	-53.27	-60.89	2.44	9.70	H
	6906	-48.93	-13	-35.93	-53.48	-57	2.62	10.69	H
	8628	-52.30	-13	-39.30	-60.93	-62.45	2.40	12.55	H
									H
									H
Middle	3448	-64.82	-13	-51.82	-58.01	-71	1.59	7.77	V
	5177	-52.95	-13	-39.95	-52.46	-60.21	2.44	9.70	V
	6906	-55.24	-13	-42.24	-60.03	-63.31	2.62	10.69	V
	8628	-54.65	-13	-41.65	-62.85	-64.8	2.40	12.55	V
									V
									V
									V
									V
									V
									V