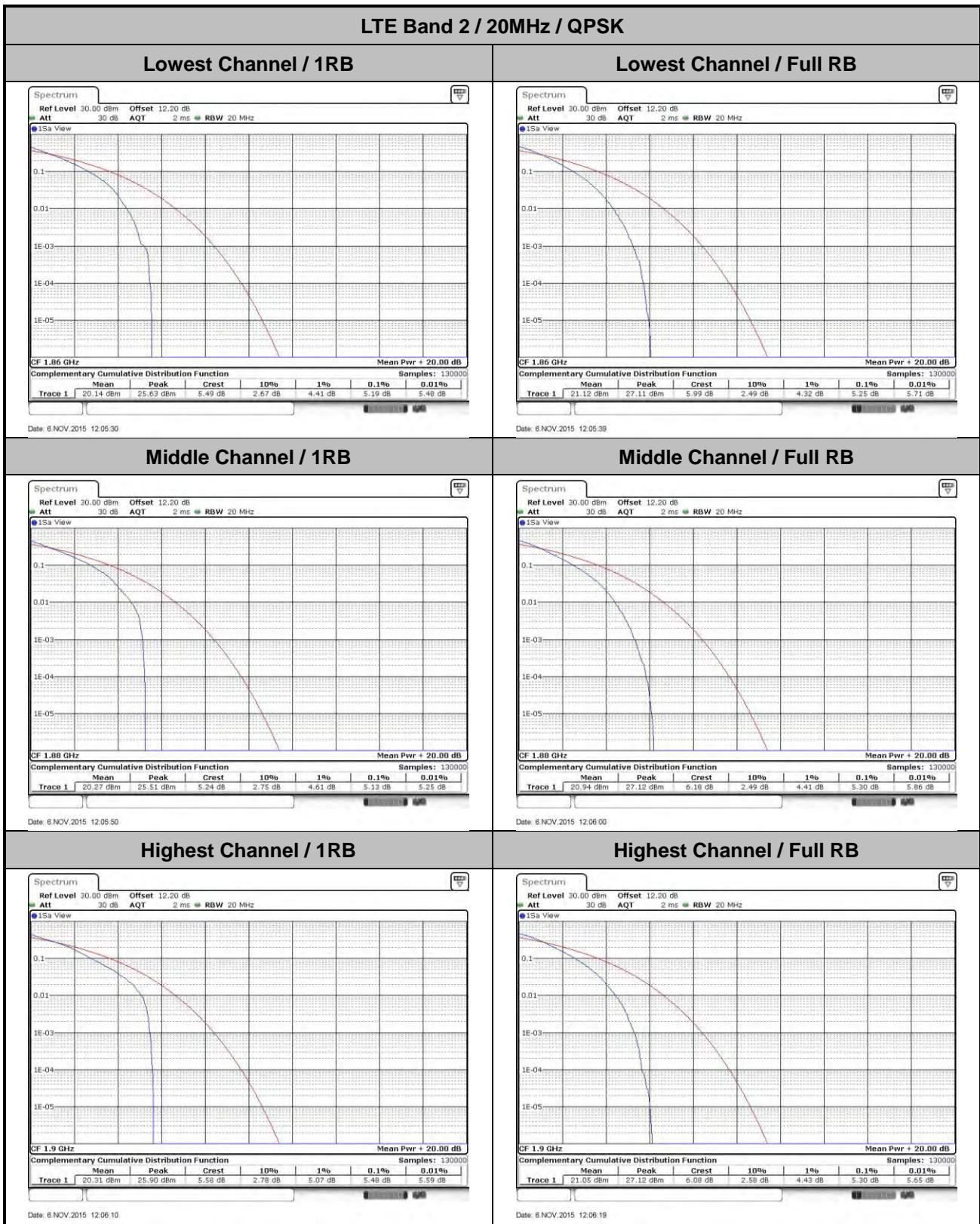


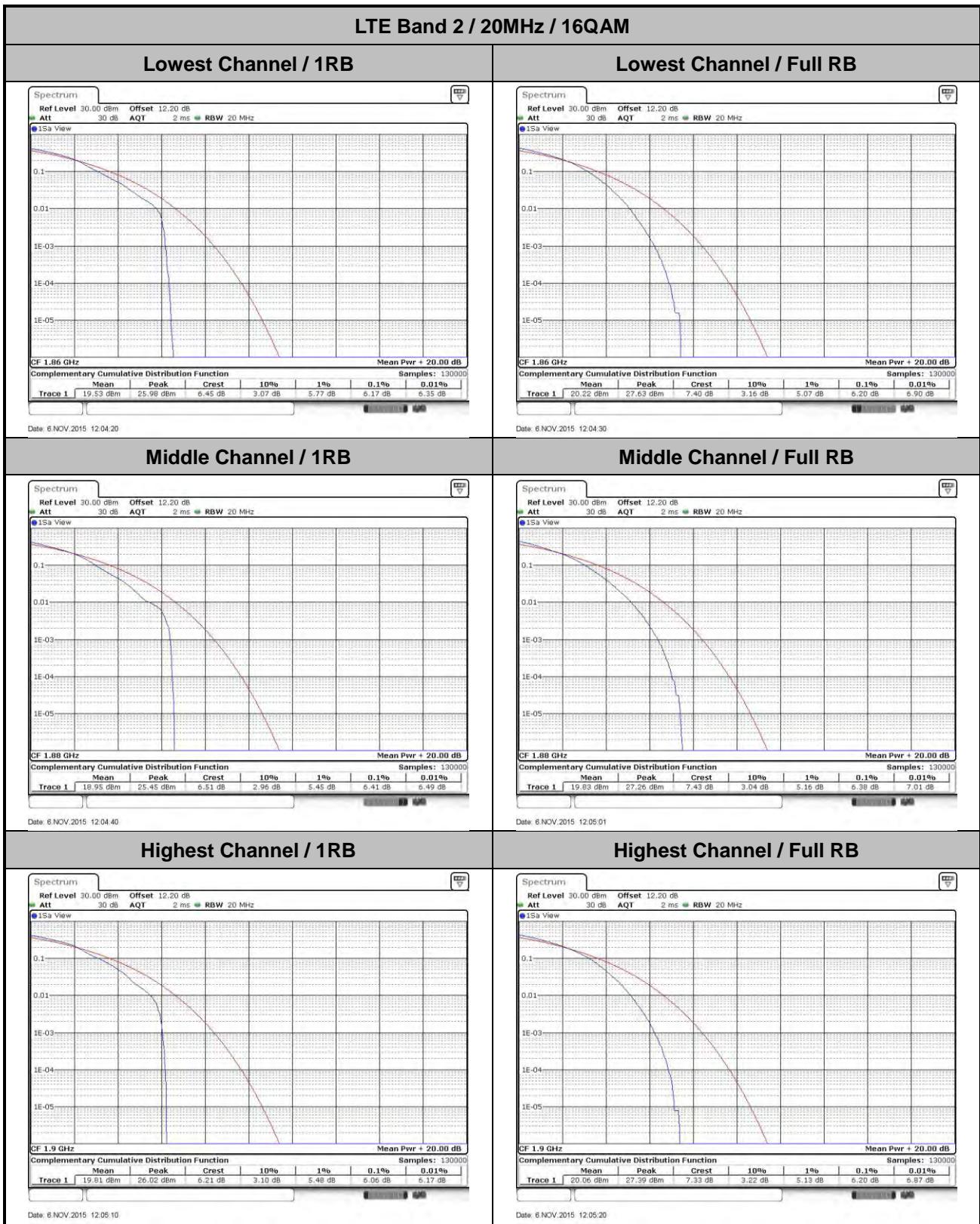


LTE Band 2

Peak-to-Average Ratio

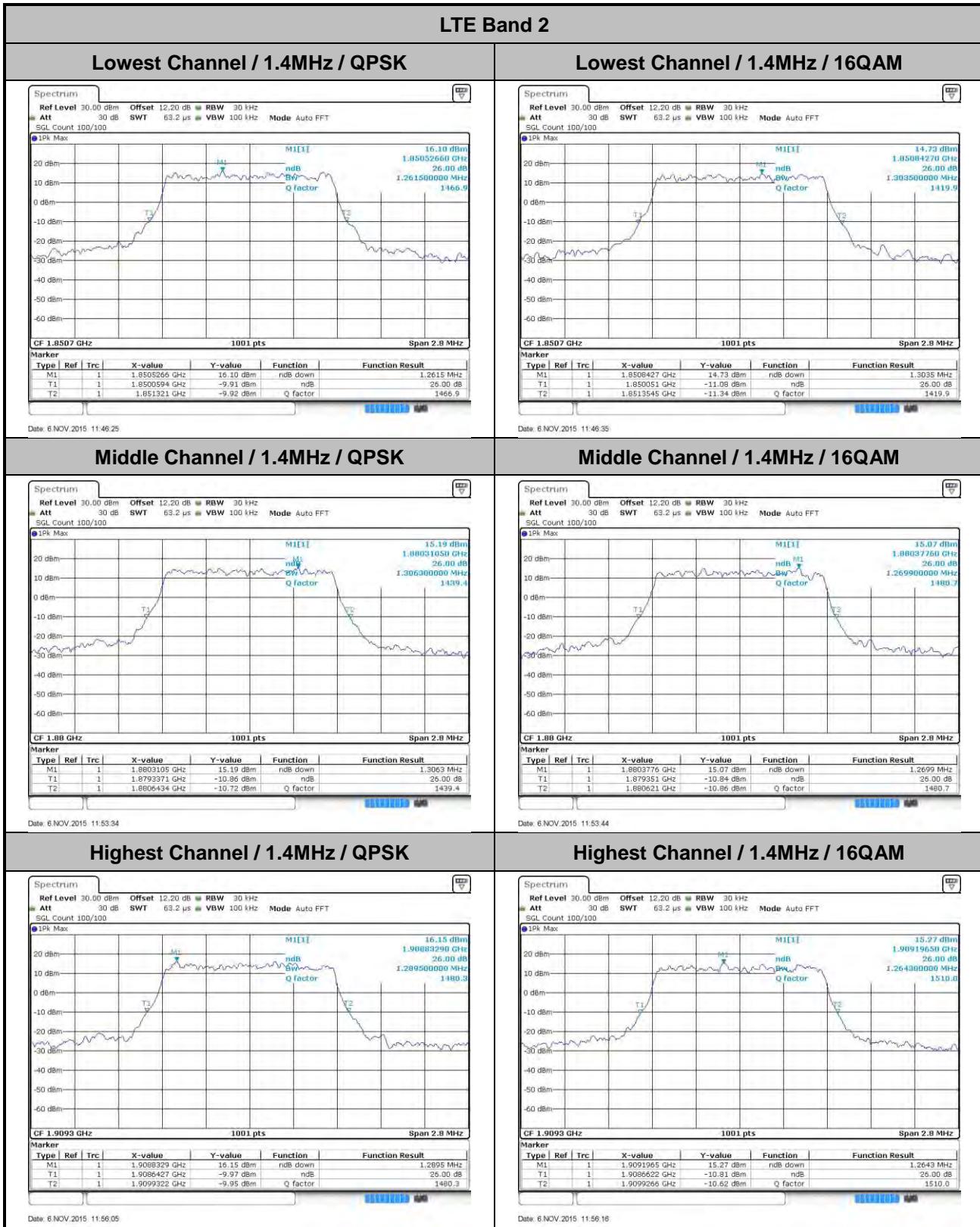
Mode	LTE Band 2 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.19	5.25	6.17	6.2	PASS
Middle CH	5.13	5.3	6.41	6.38	
Highest CH	5.48	5.3	6.06	6.2	

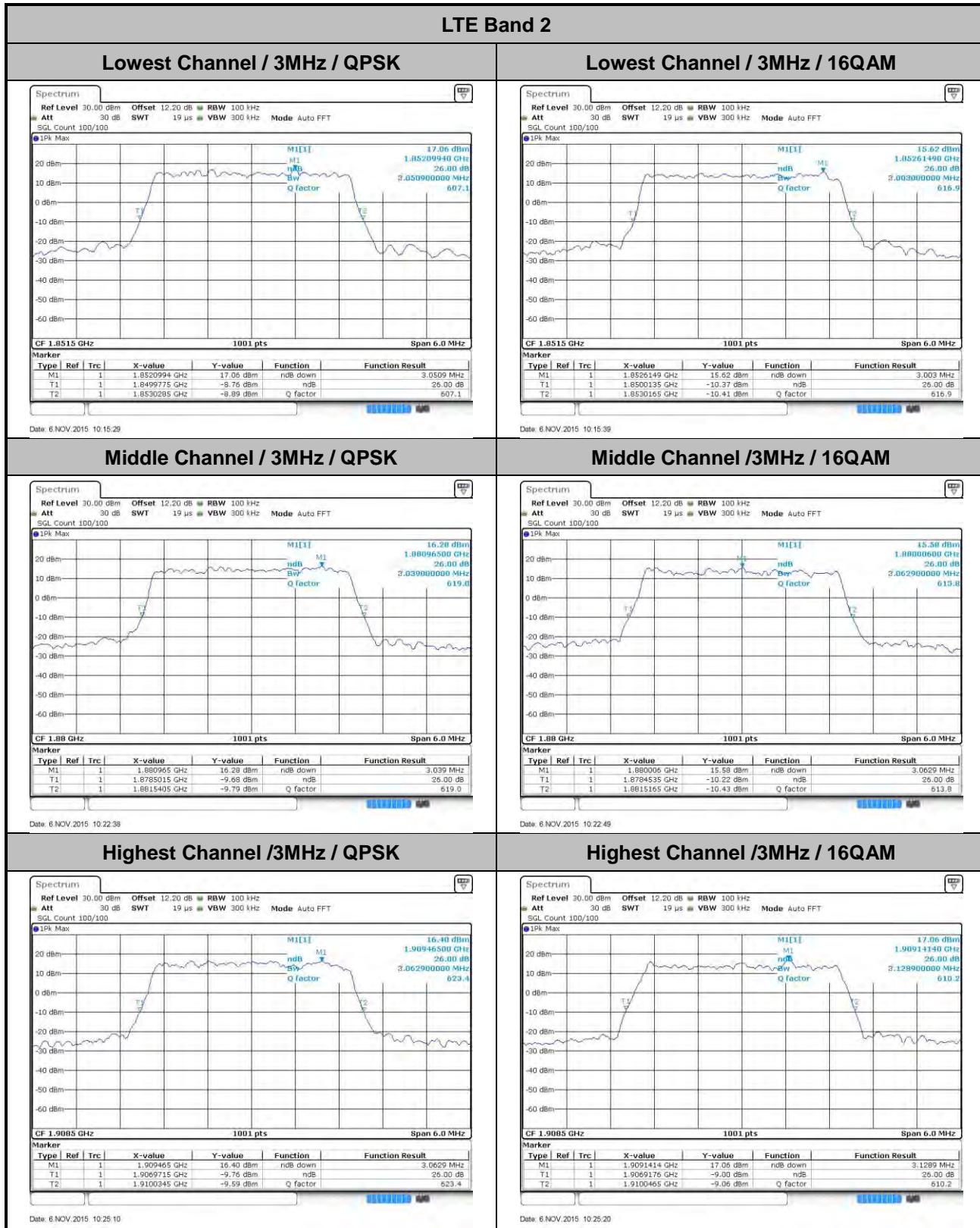


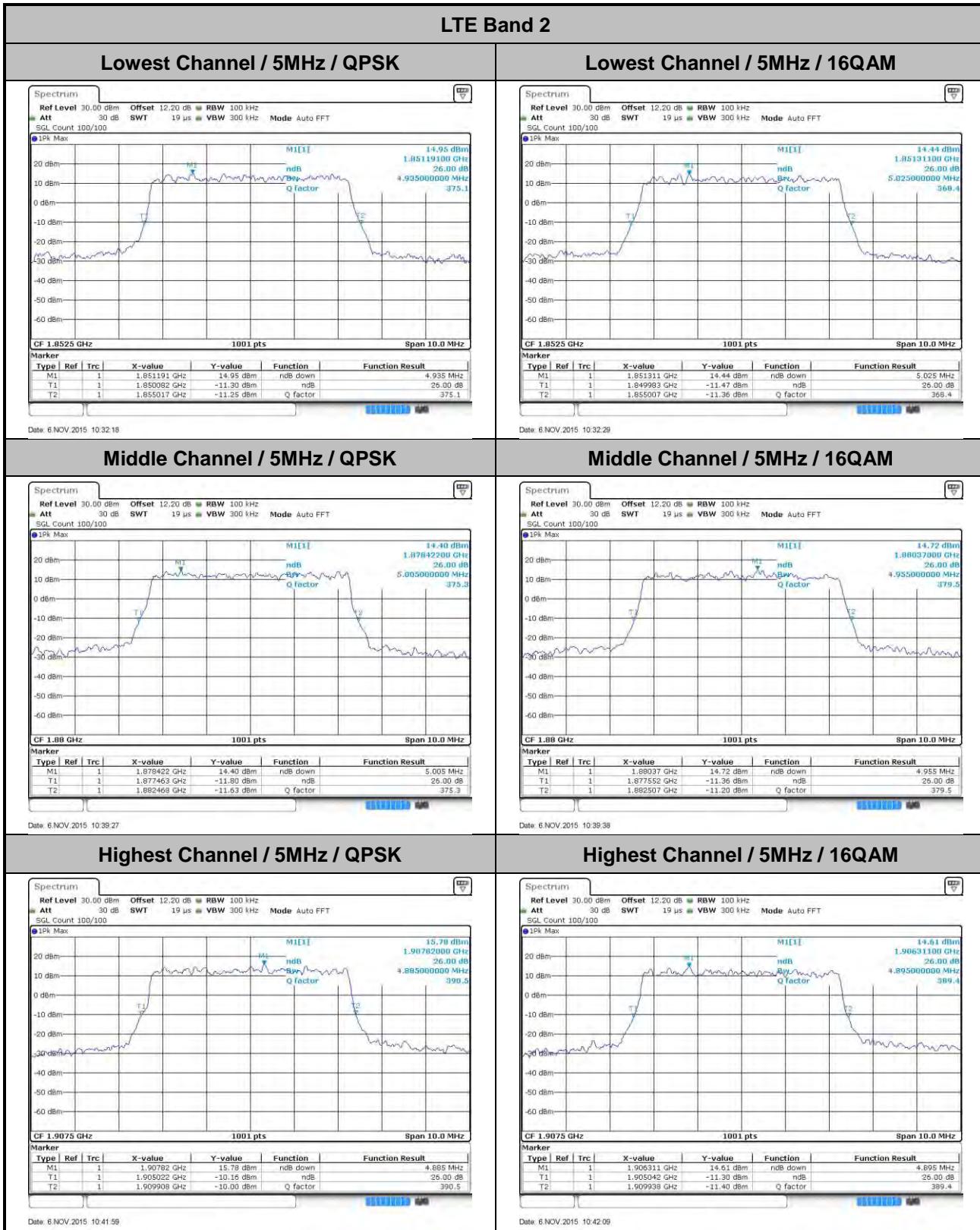


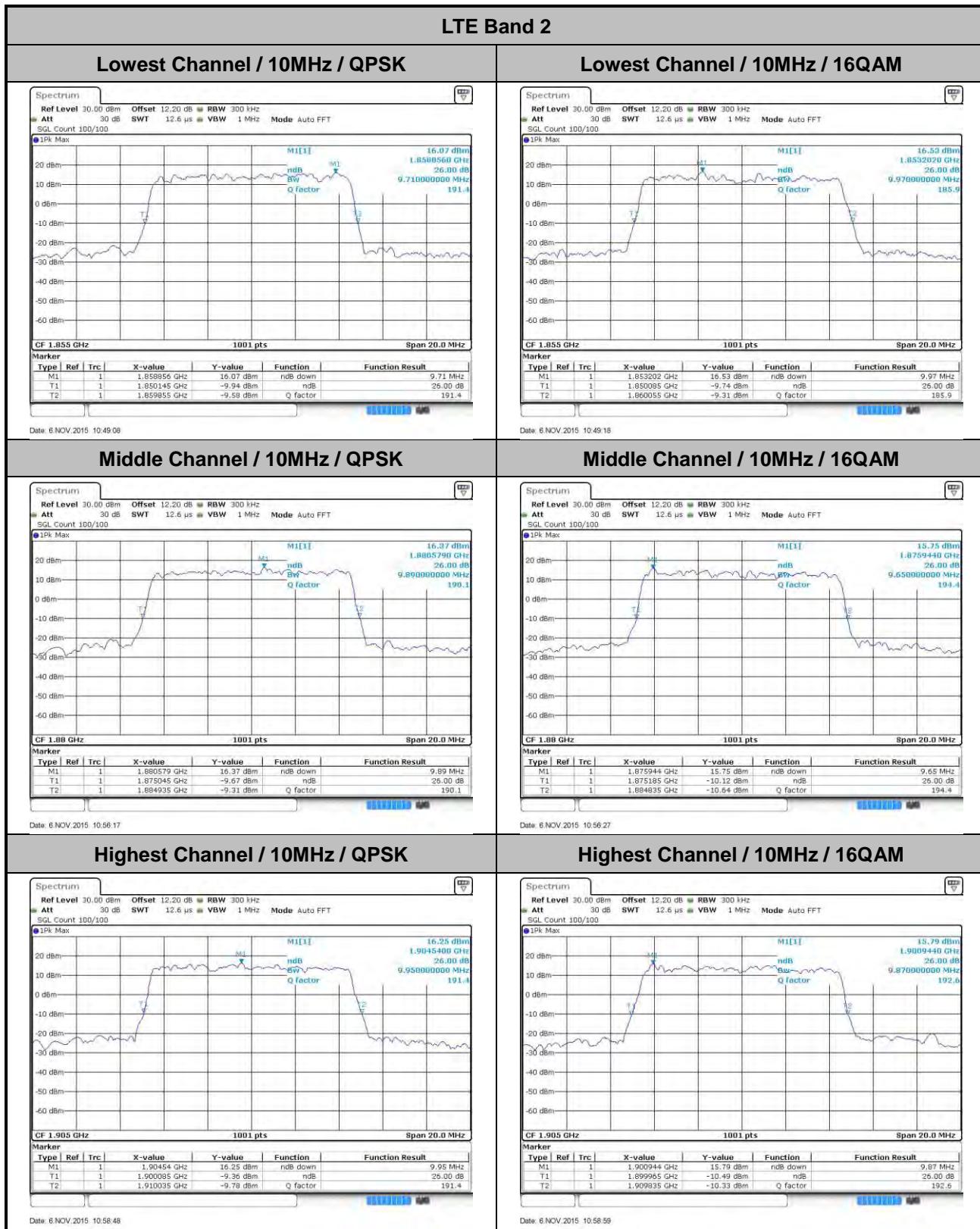
**26dB Bandwidth**

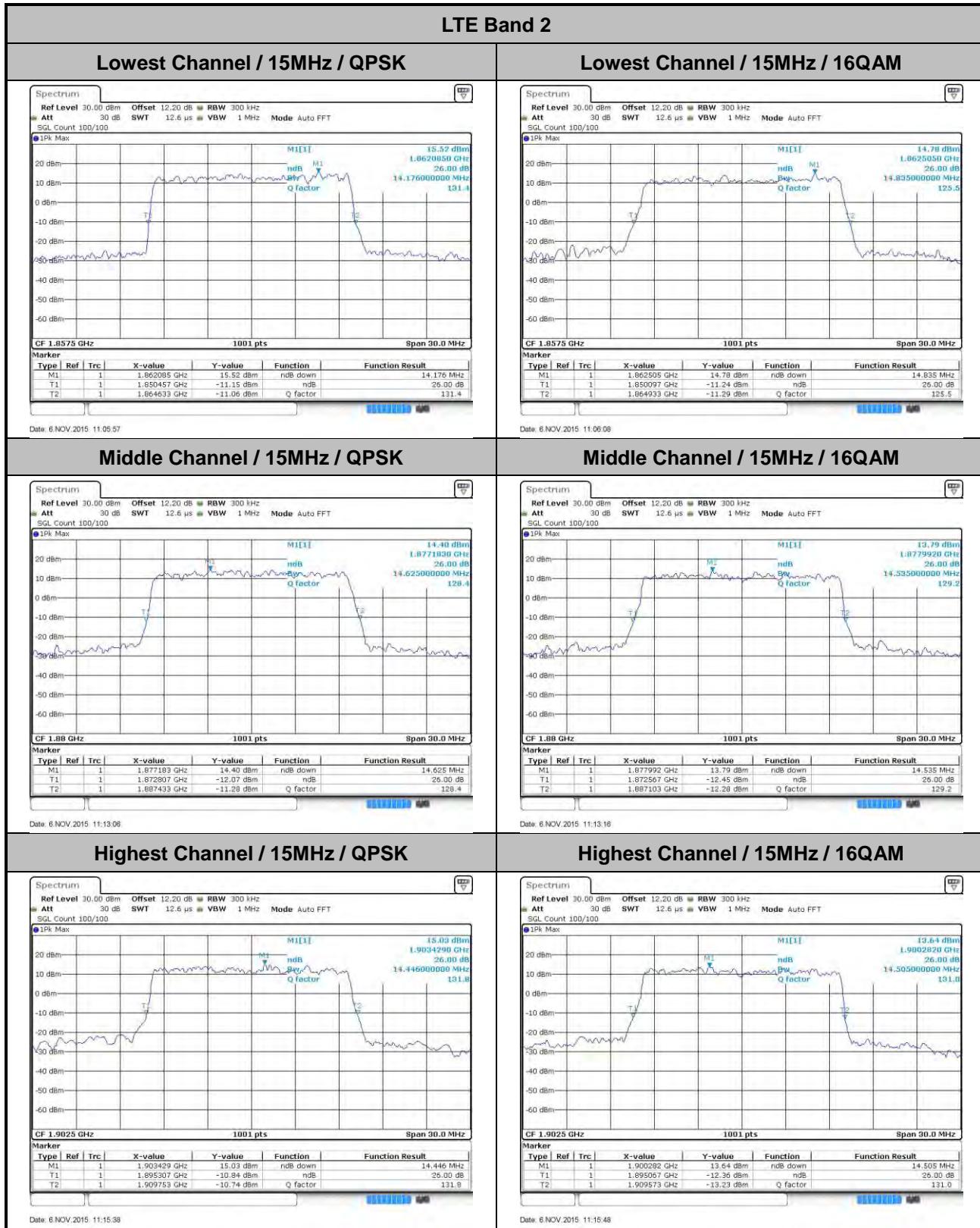
Mode	LTE Band 2 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.3	3.05	3	4.94	5.03	9.71	9.97	14.18	14.84	20.1	20.46
Middle CH	1.31	1.27	3.04	3.06	5.01	4.96	9.89	9.65	14.63	14.54	20.46	20.02
Highest CH	1.29	1.26	3.06	3.13	4.89	4.9	9.95	9.87	14.45	14.51	20.14	19.94

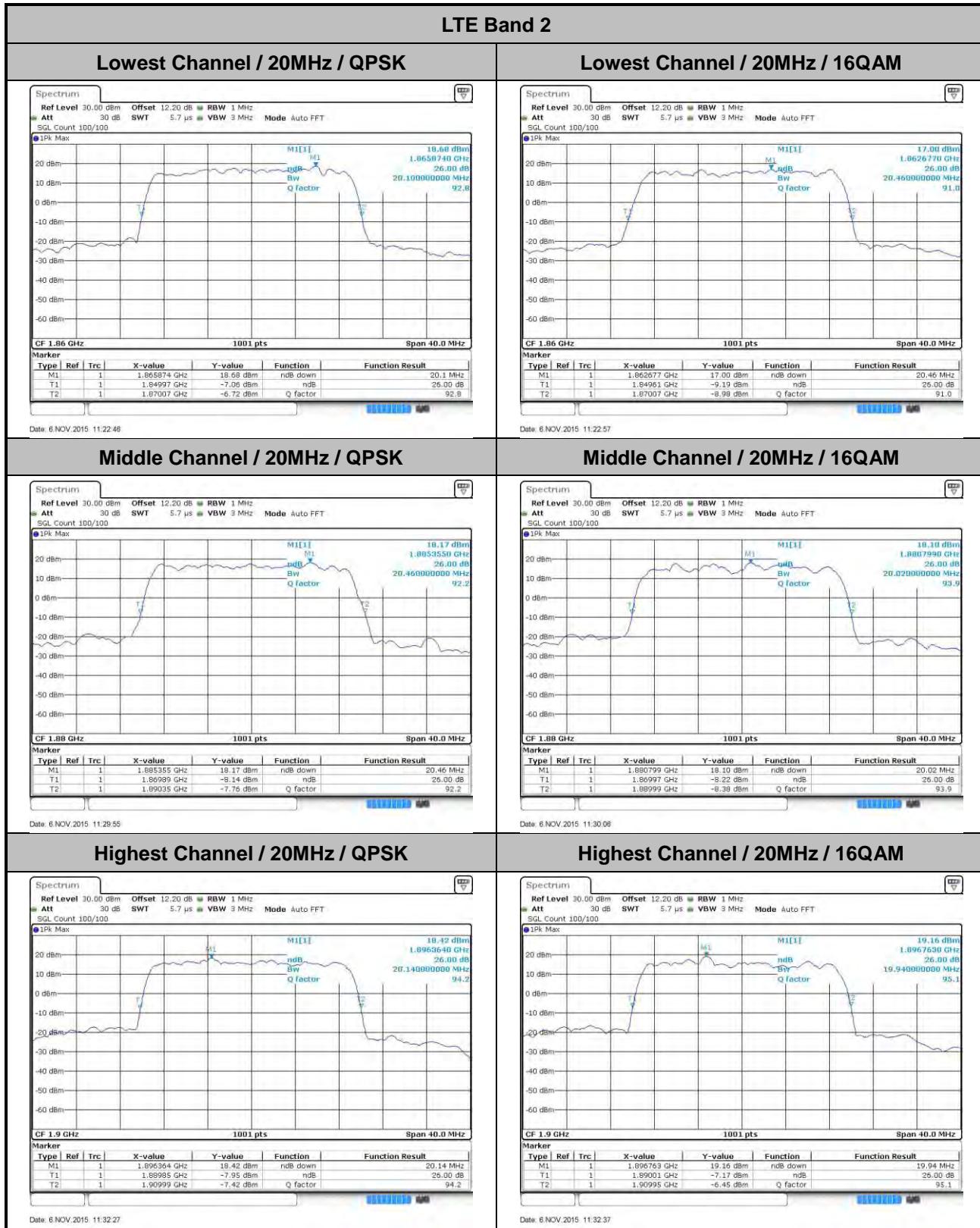






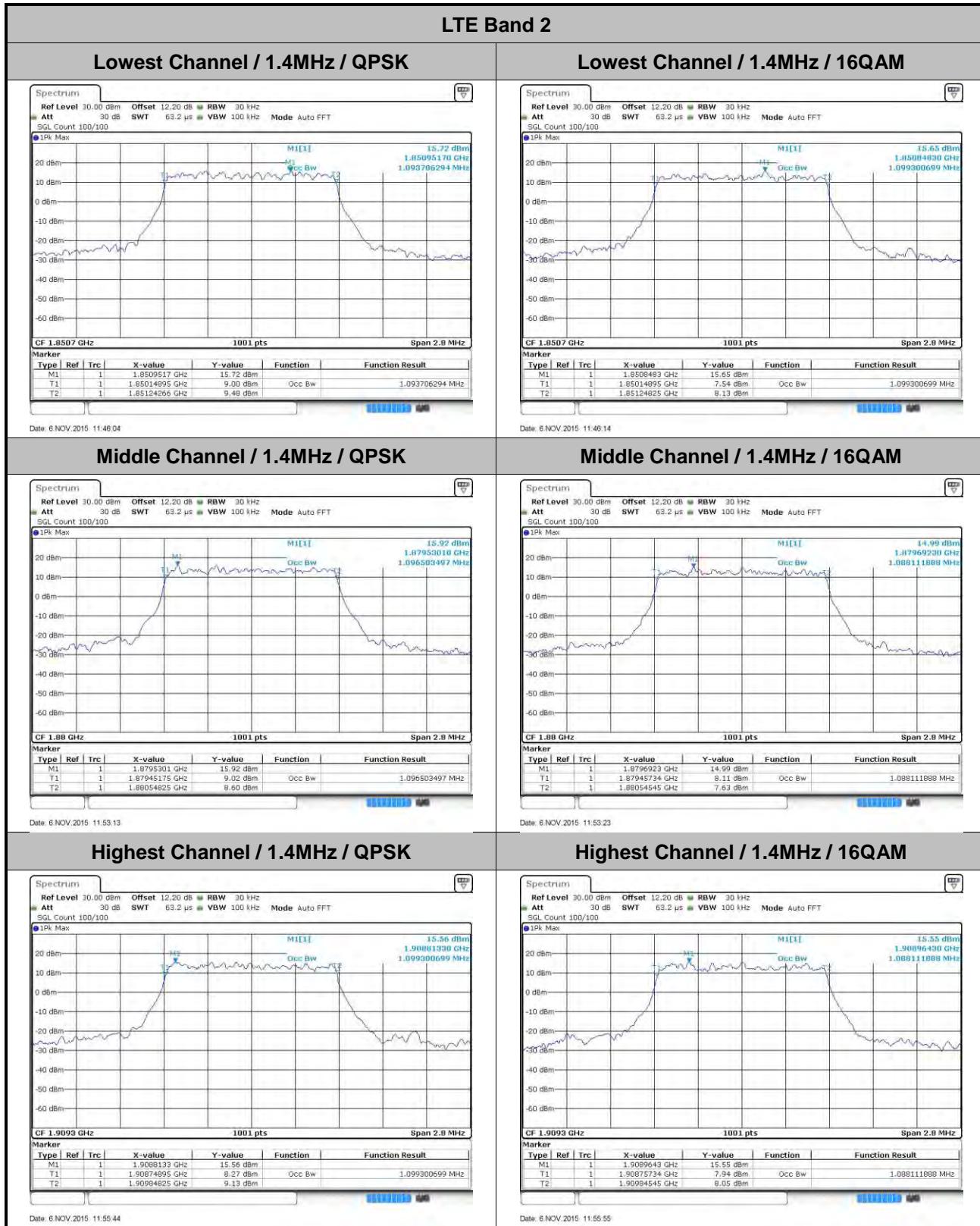


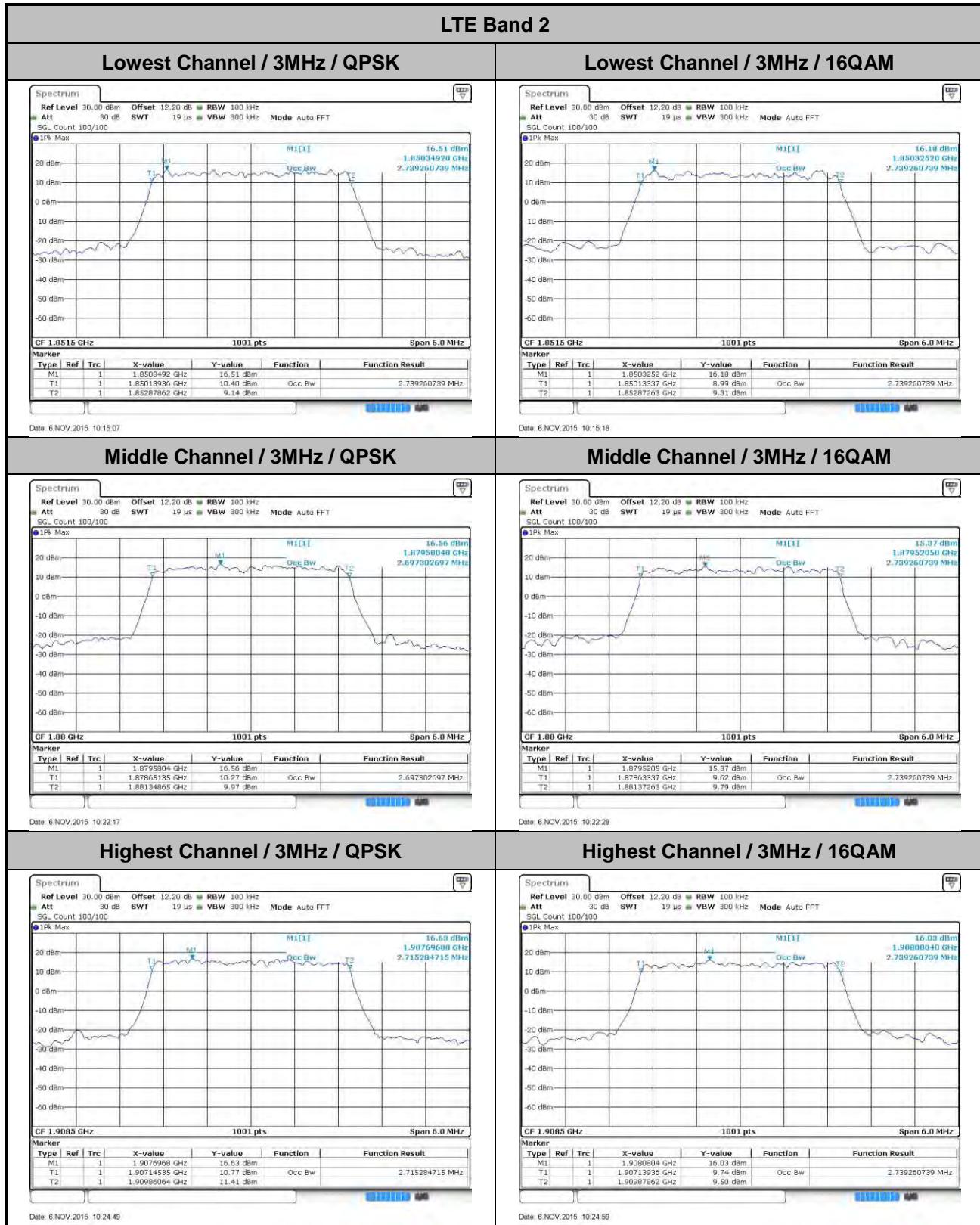


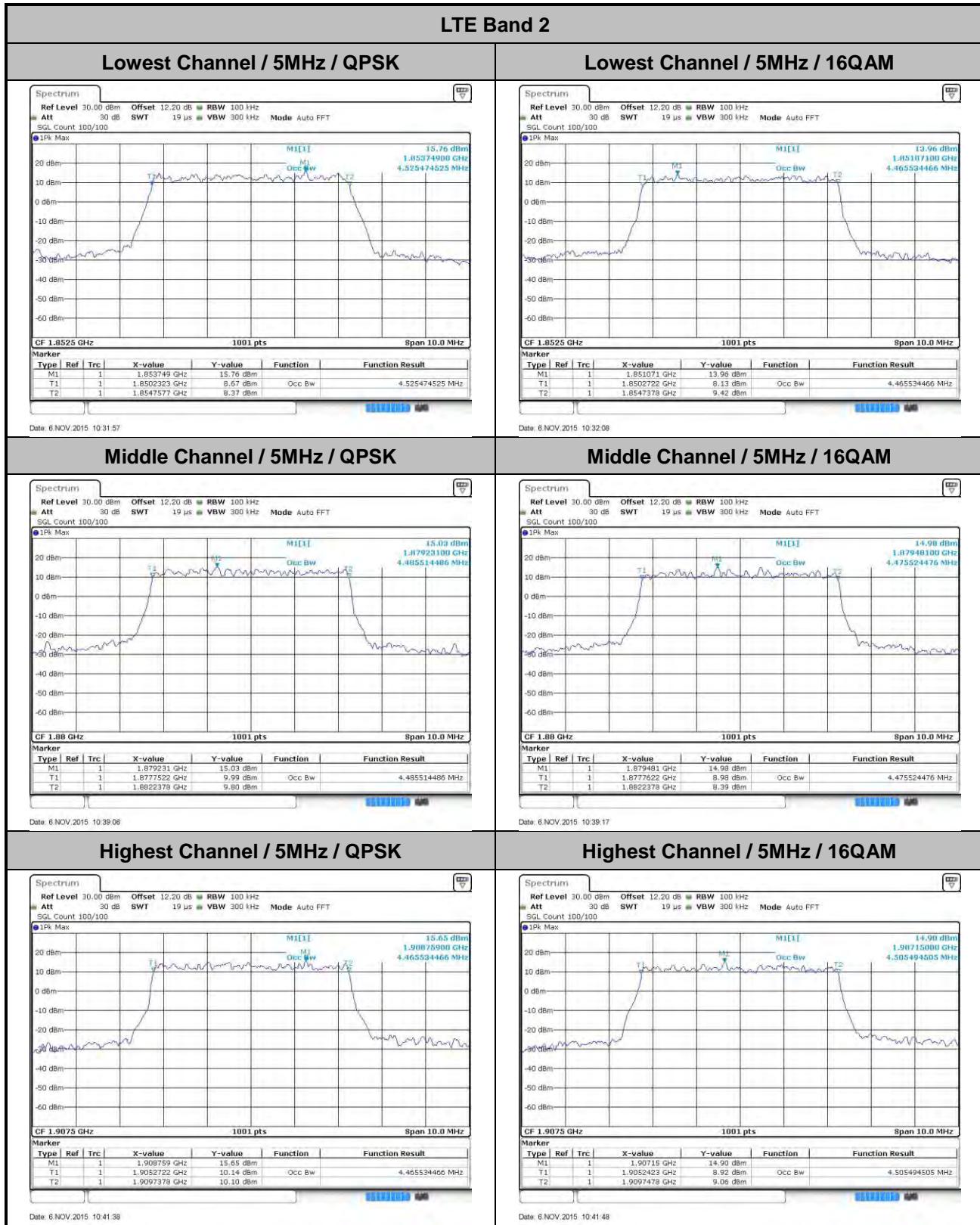


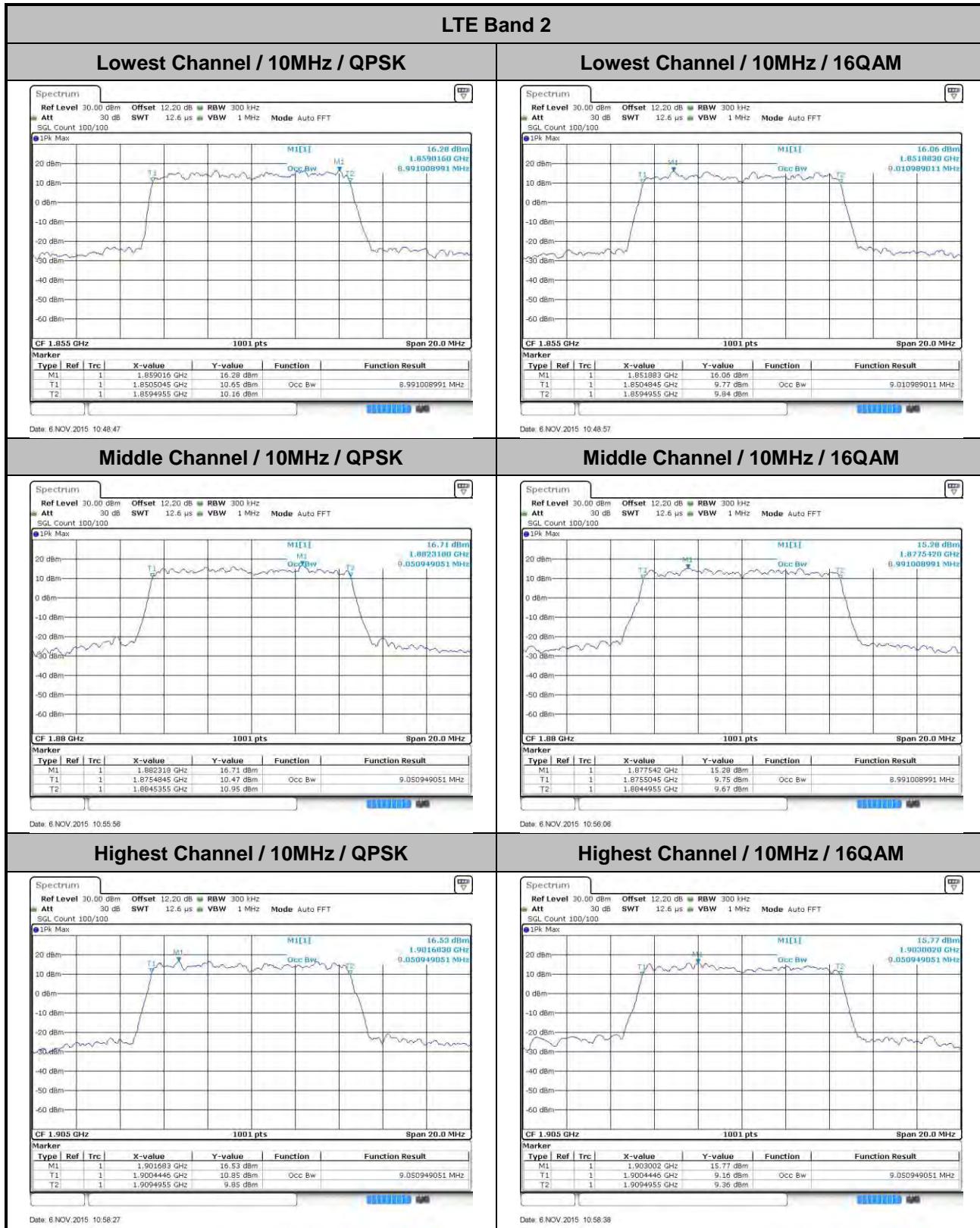
**Occupied Bandwidth**

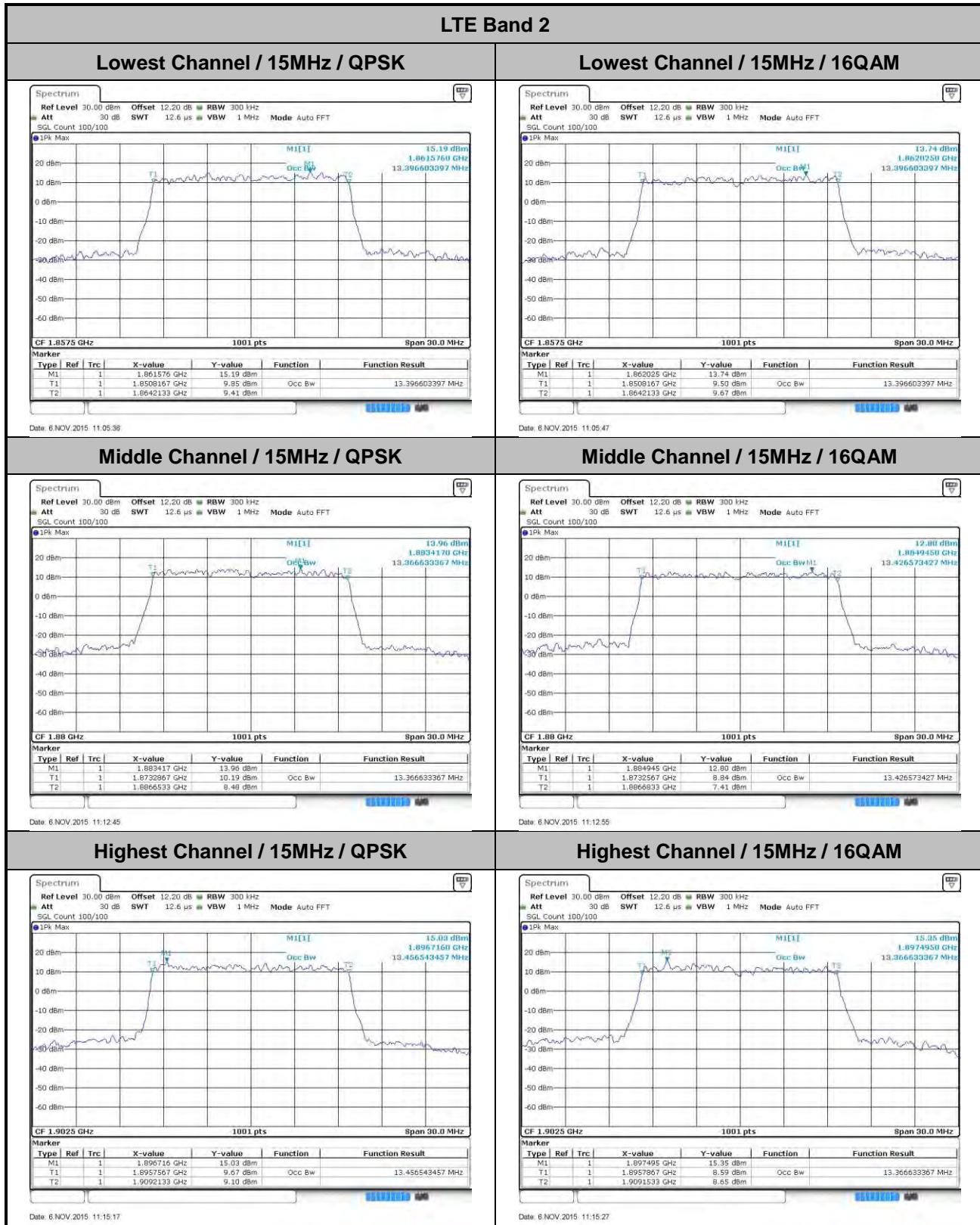
Mode	LTE Band 2 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.74	2.74	4.53	4.47	8.99	9.01	13.4	13.4	18.22	18.22
Middle CH	1.1	1.09	2.7	2.74	4.49	4.48	9.05	8.99	13.37	13.43	18.3	18.46
Highest CH	1.1	1.09	2.72	2.74	4.47	4.51	9.05	9.05	13.46	13.37	18.3	18.22

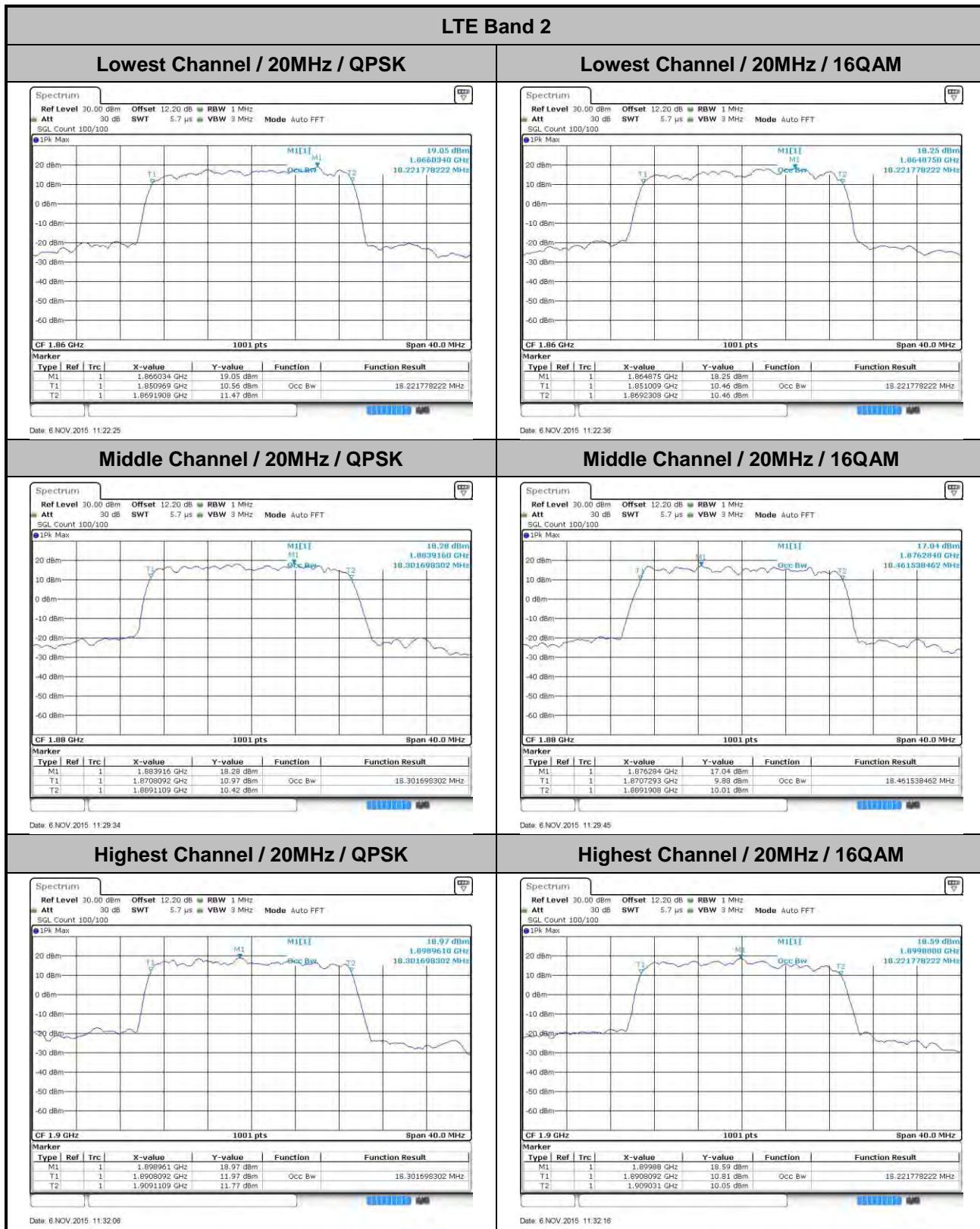






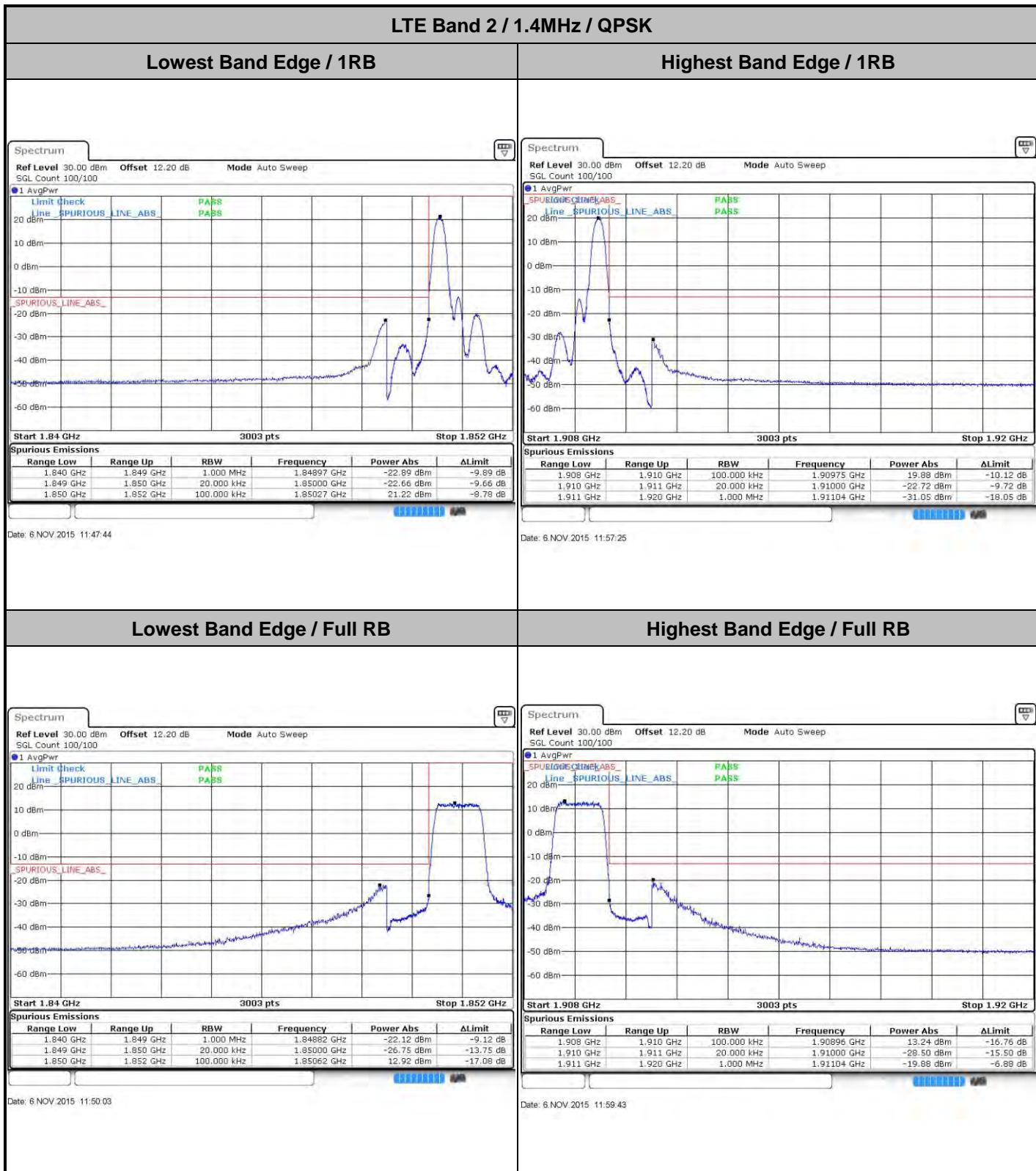


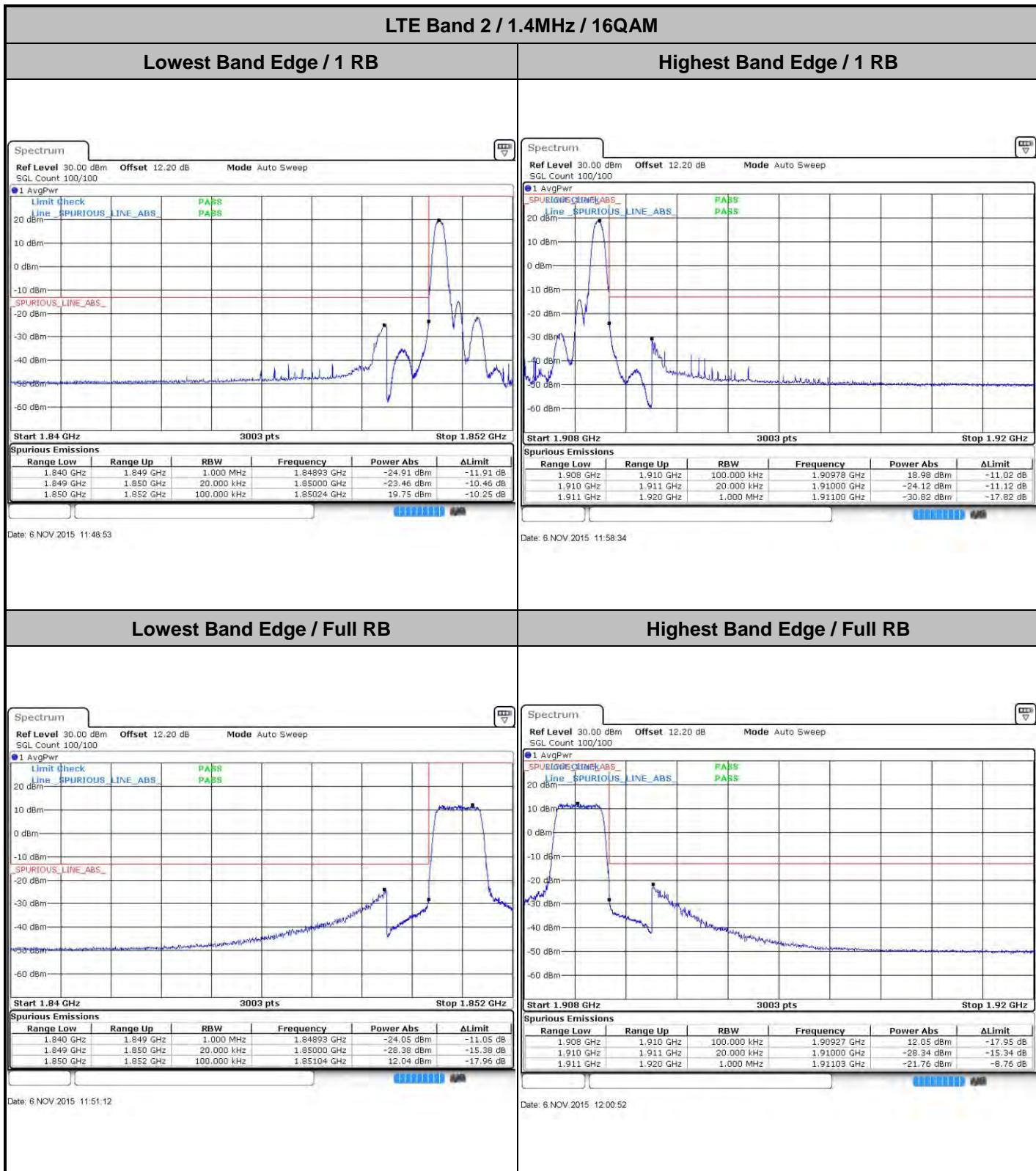


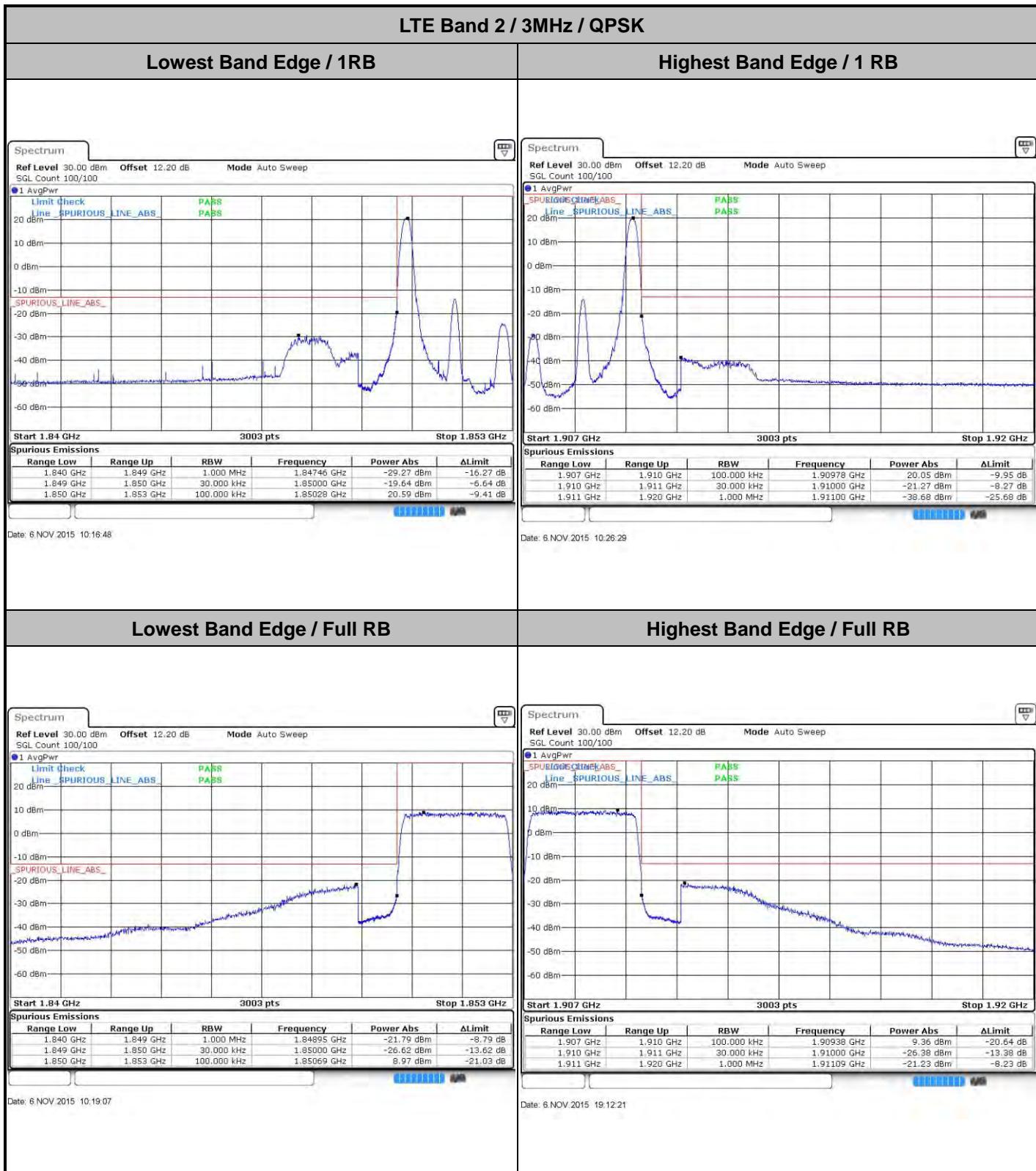


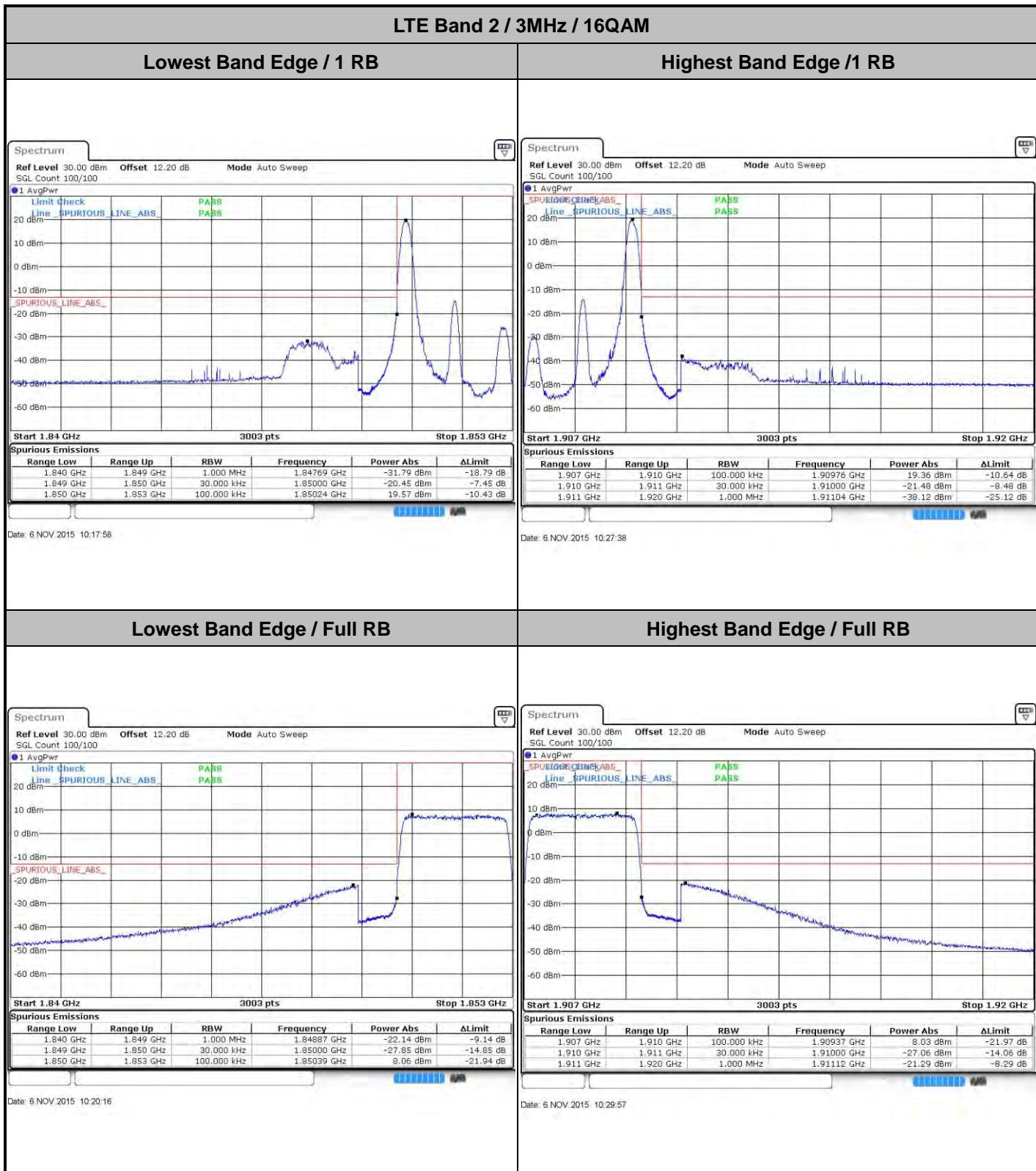


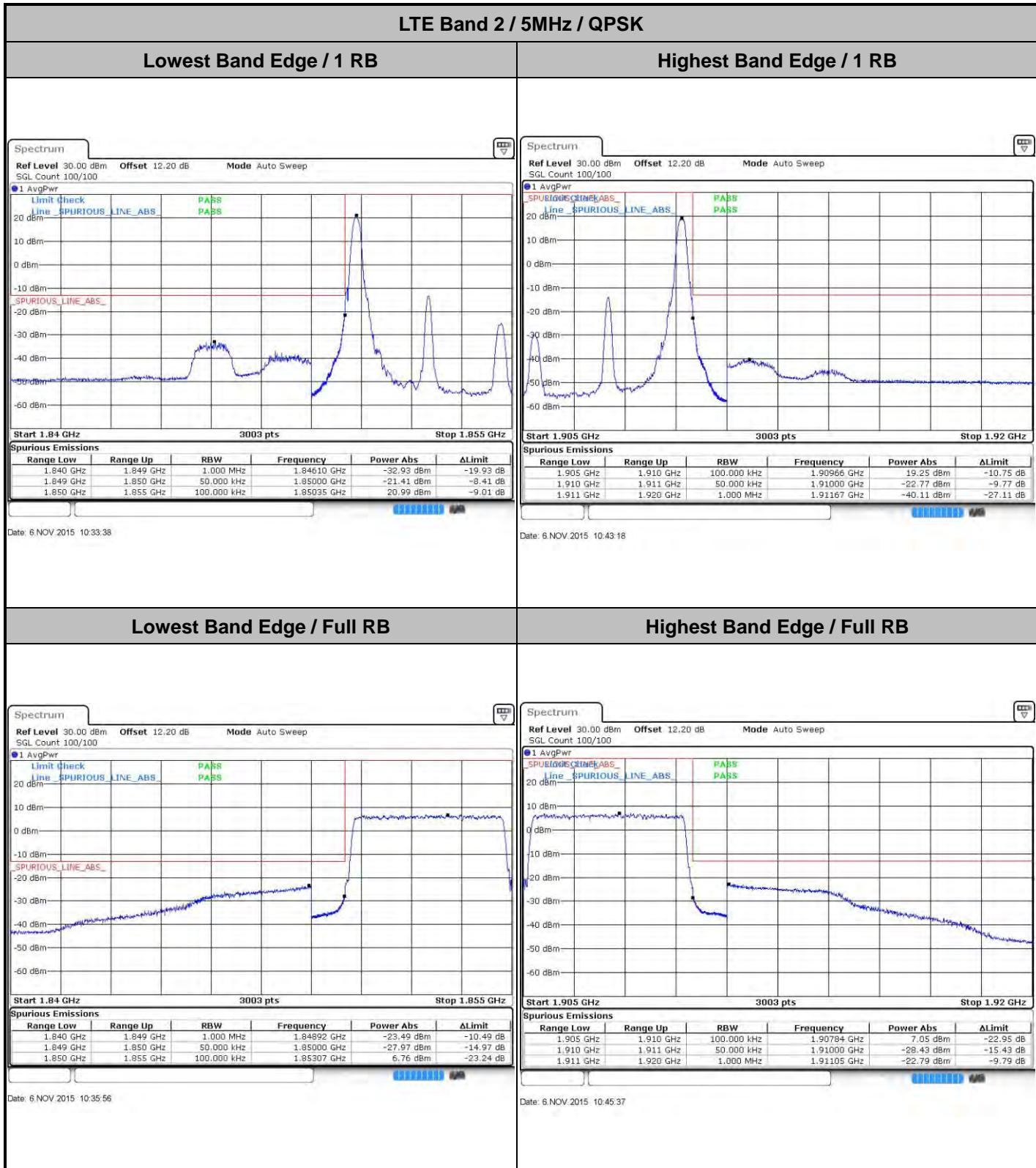
Conducted Band Edge

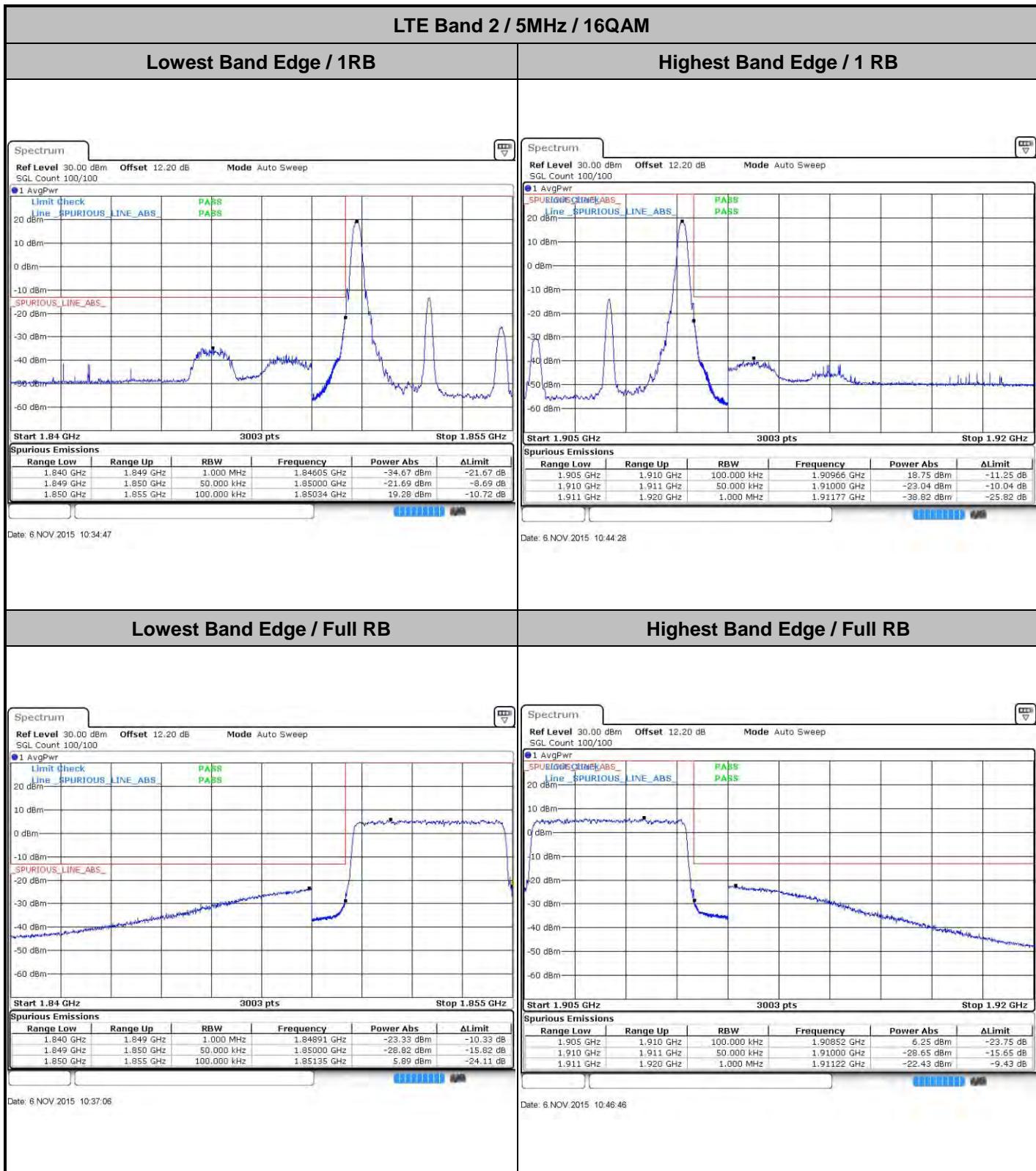


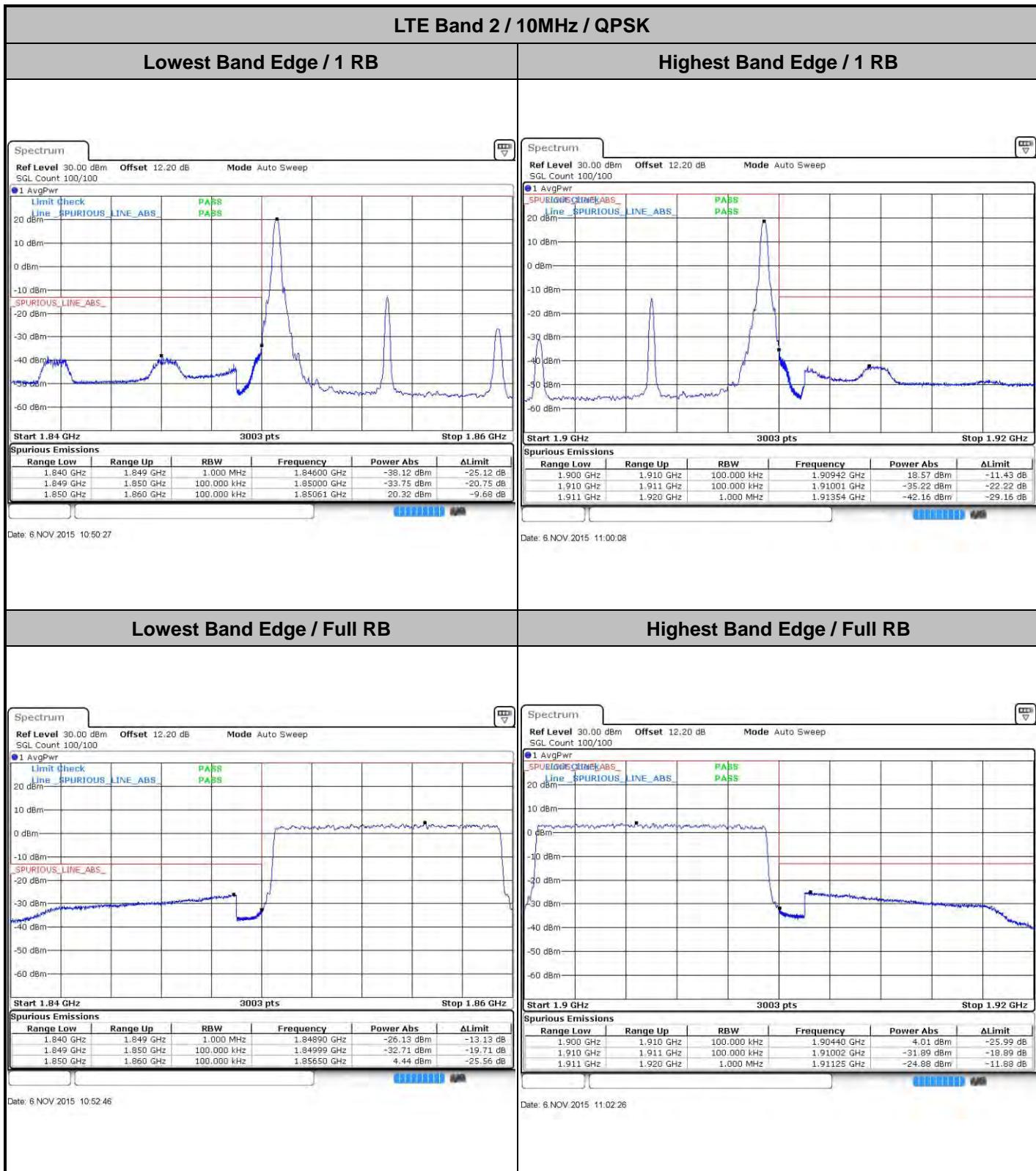


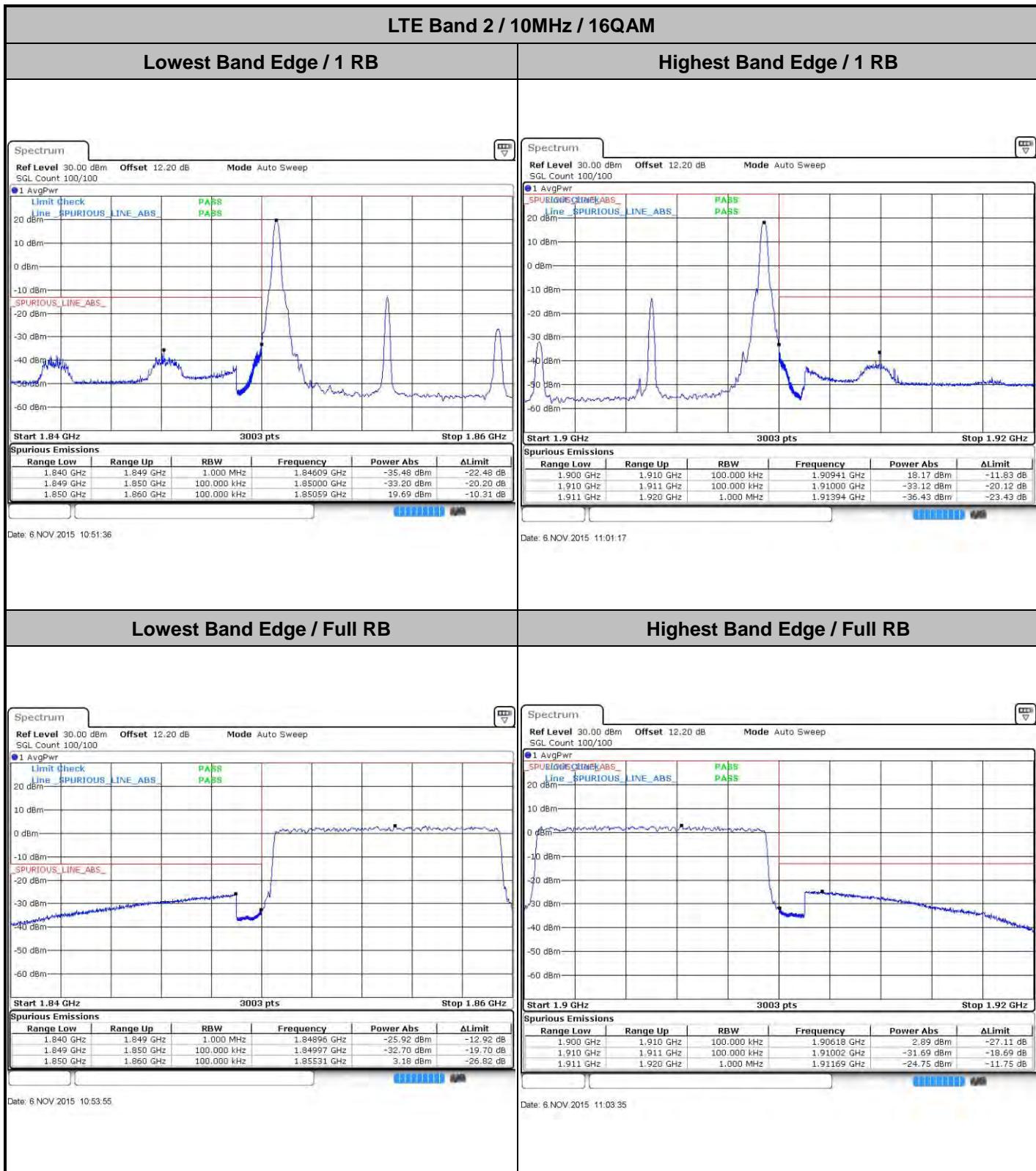


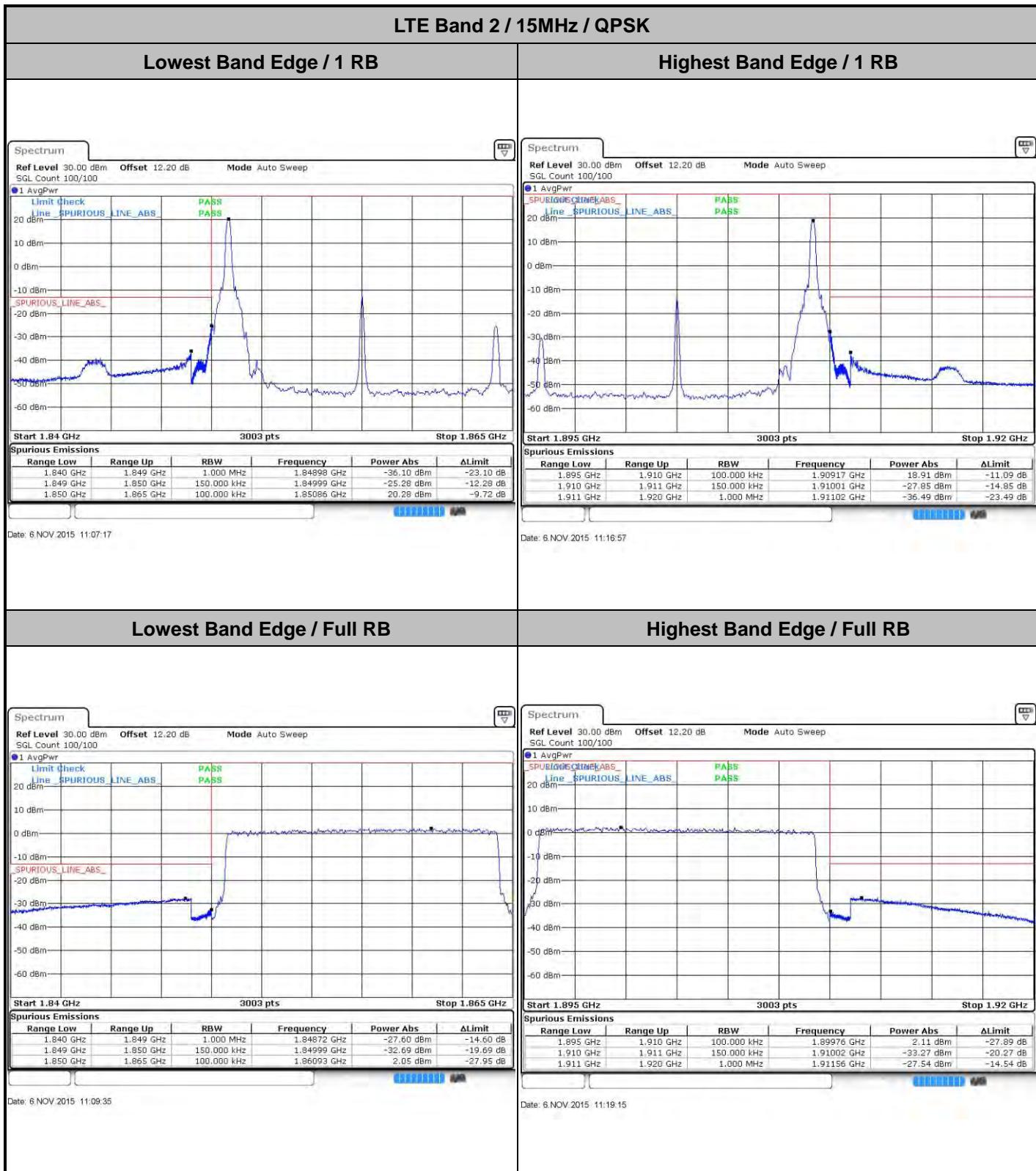


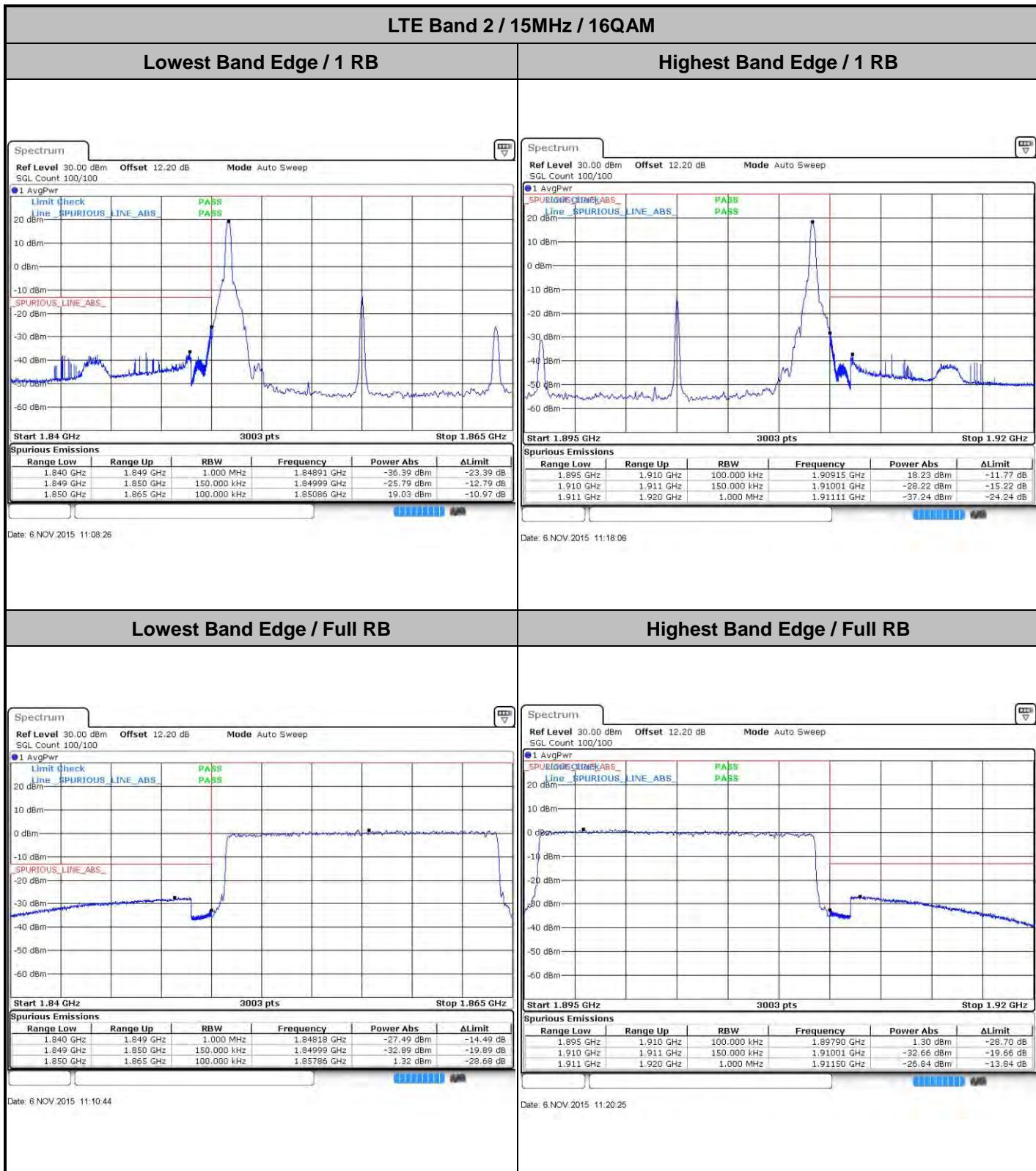


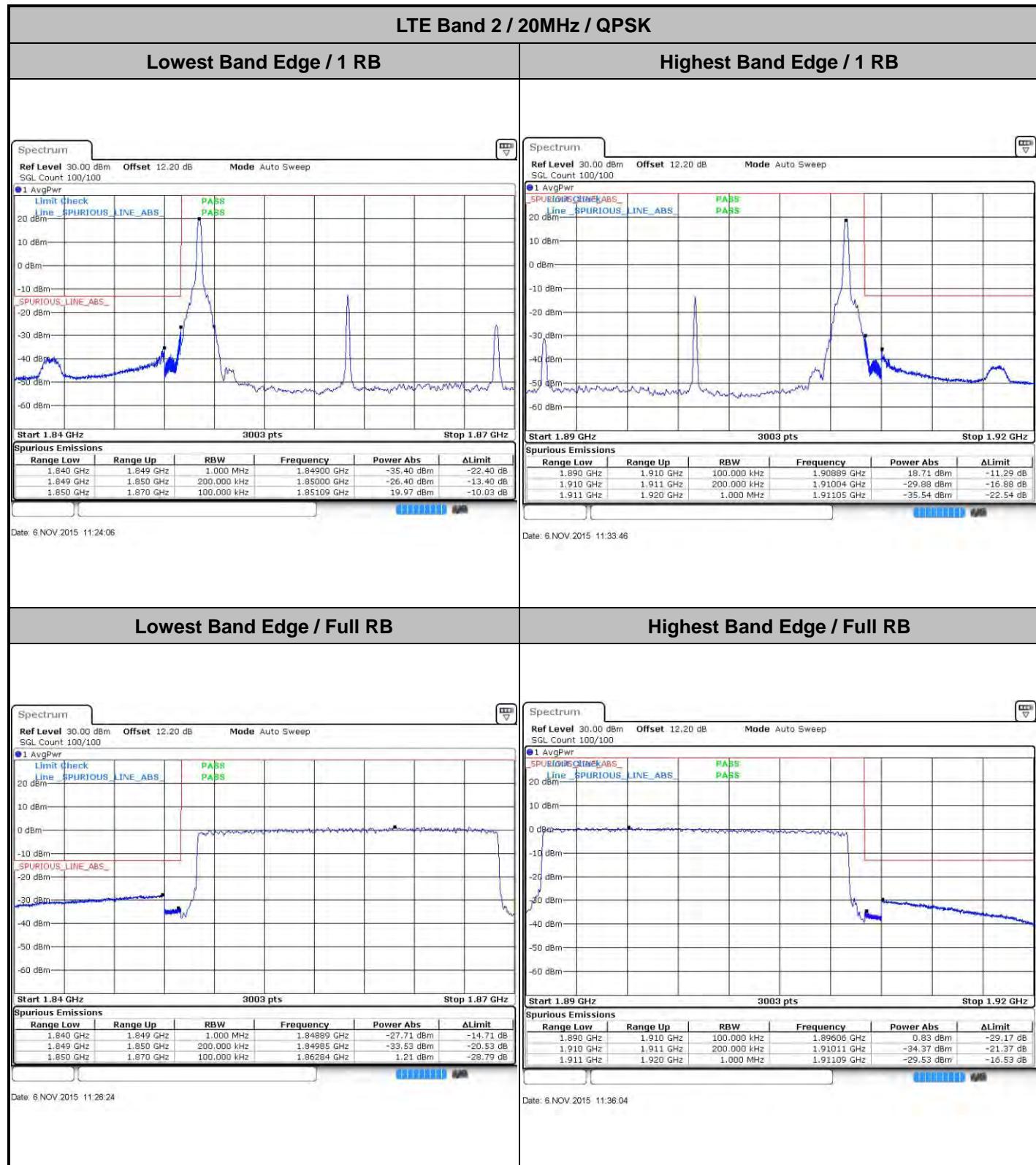


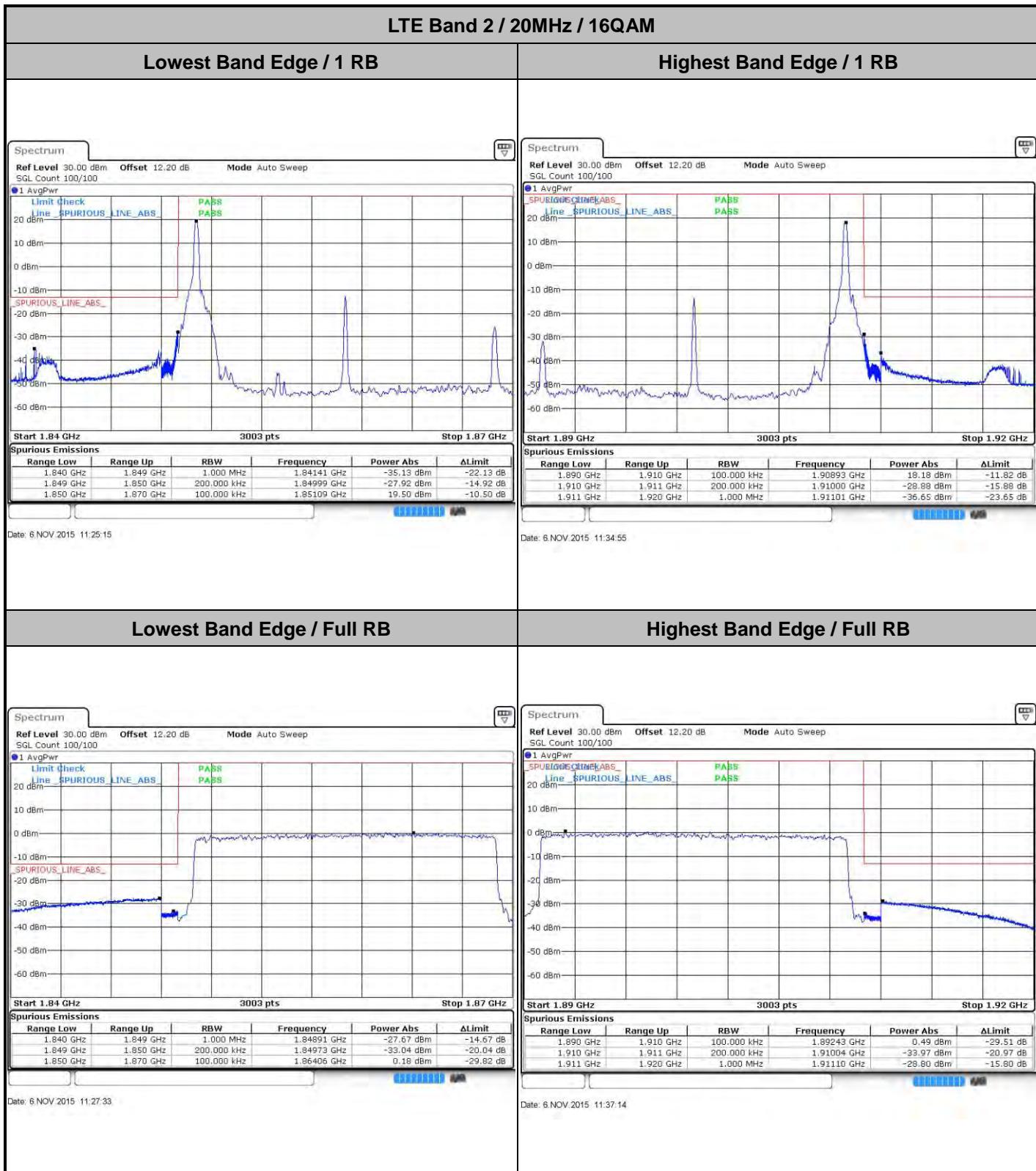














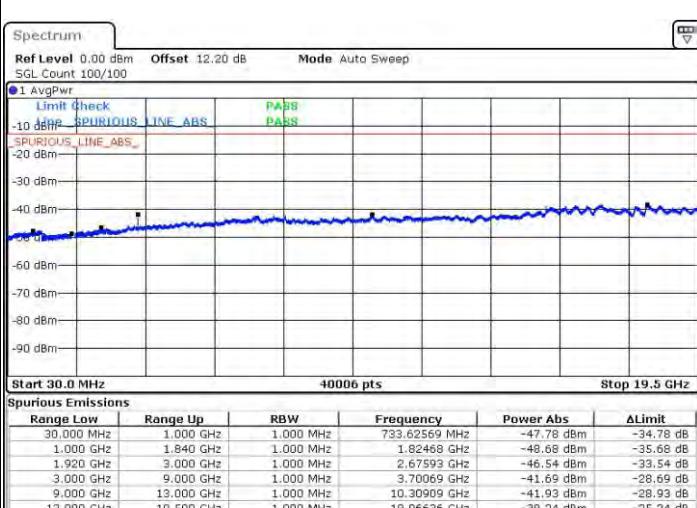
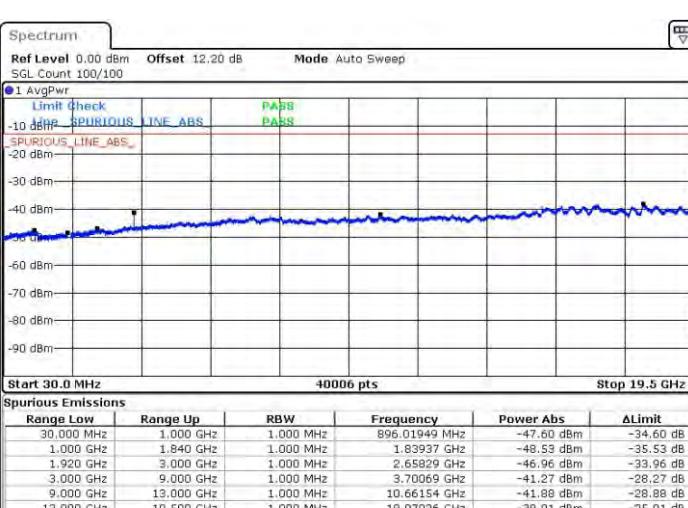
Conducted Spurious Emission



LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

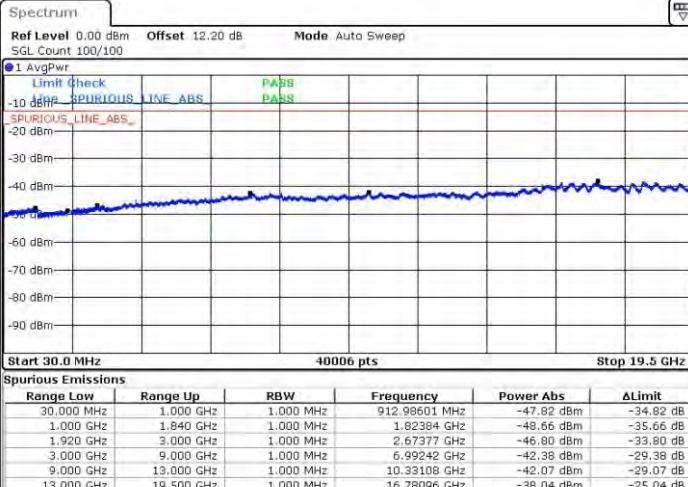


Date: 6 NOV 2015 11:52:07

Date: 6 NOV 2015 11:53:02

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 NOV 2015 11:54:39

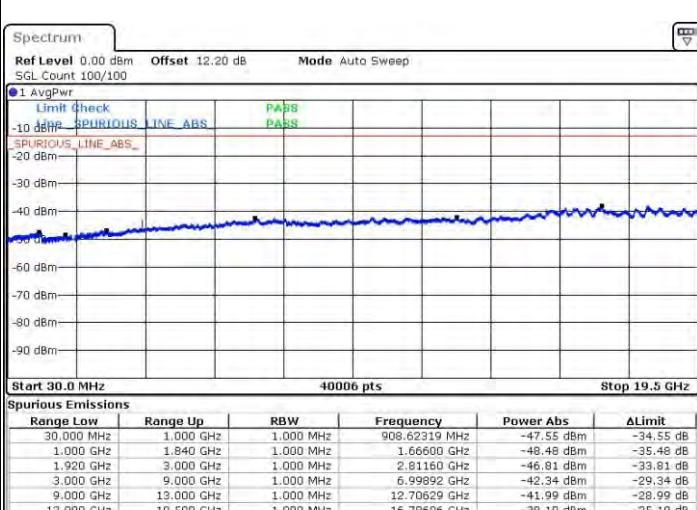
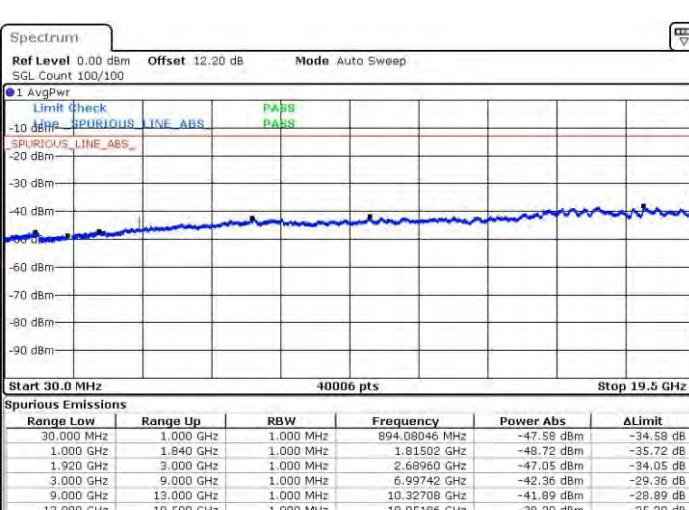
Date: 6 NOV 2015 11:55:34



LTE Band 2 / 1.4MHz

Highest Channel / QPSK

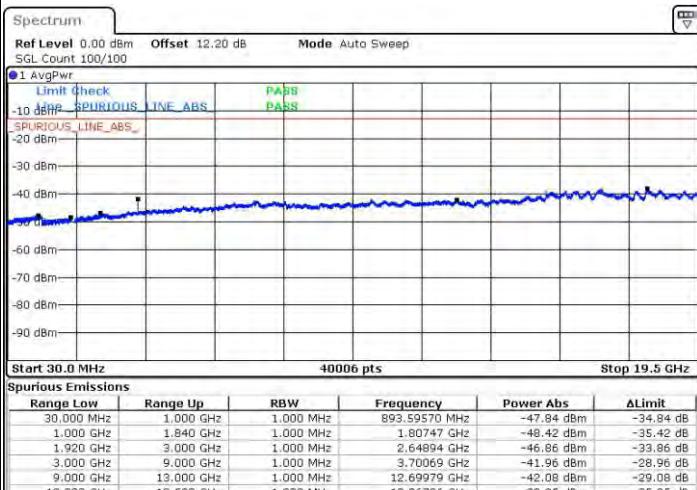
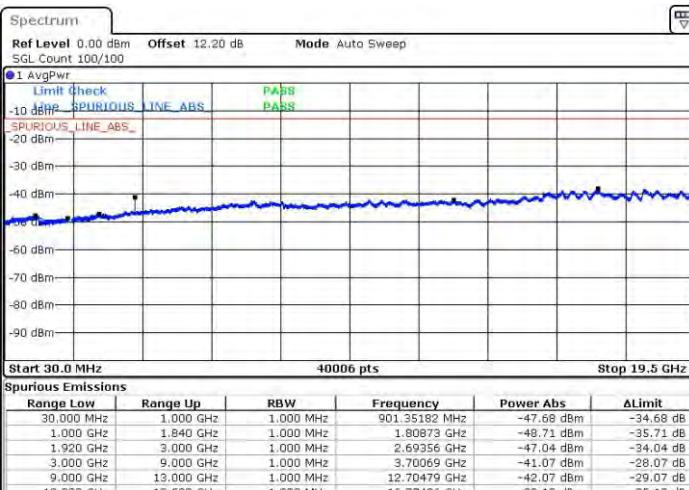
Highest Channel / 16QAM



LTE Band 2 / 3MHz

Lowest Channel / QPSK

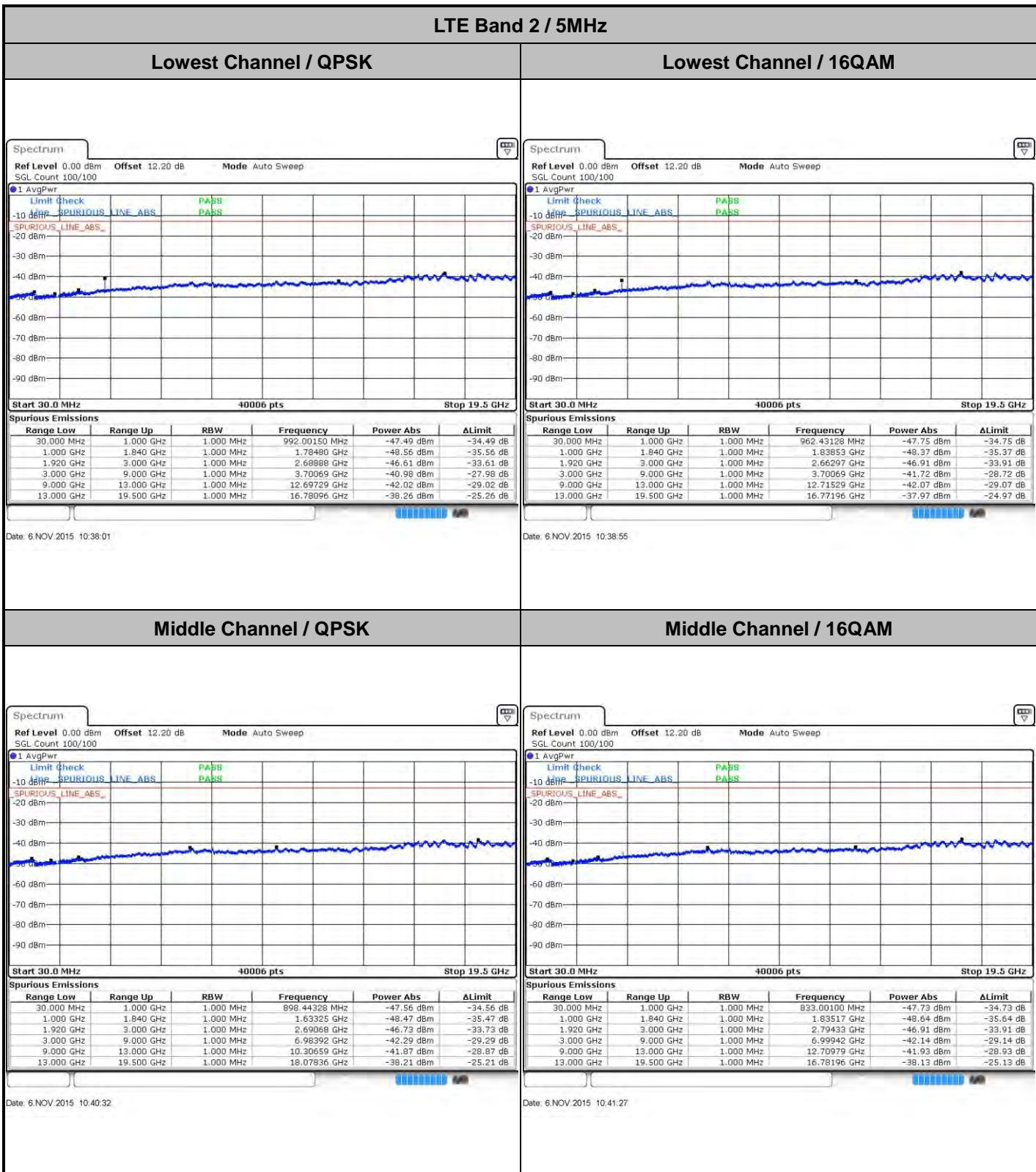
Lowest Channel / 16QAM



Date: 6.NOV.2015 10:21:12

Date: 6.NOV.2015 10:22:06



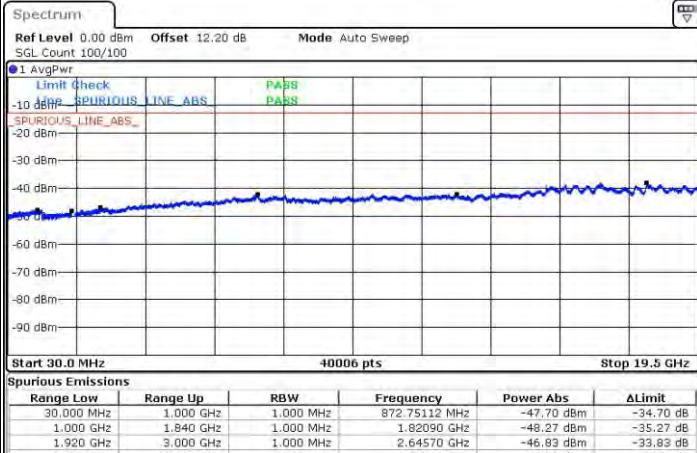
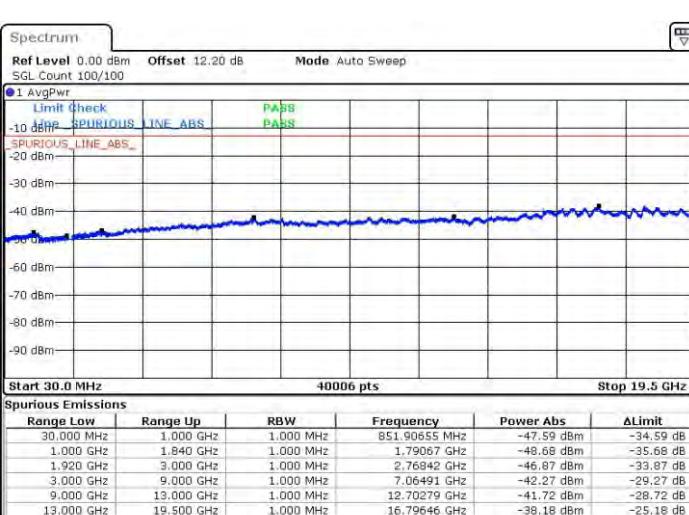




LTE Band 2 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



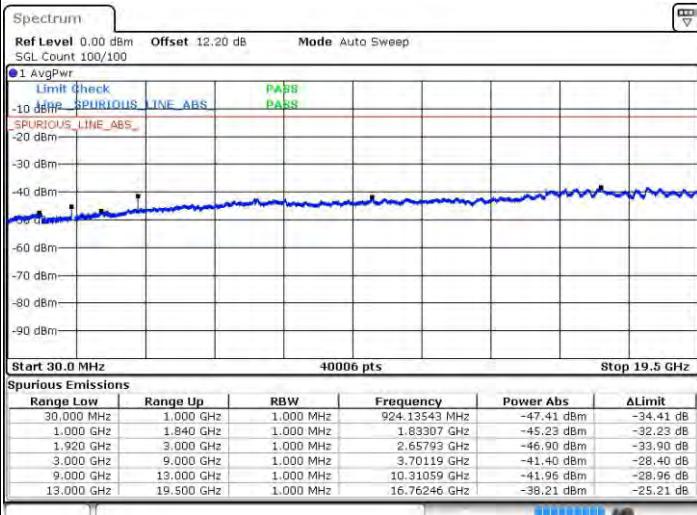
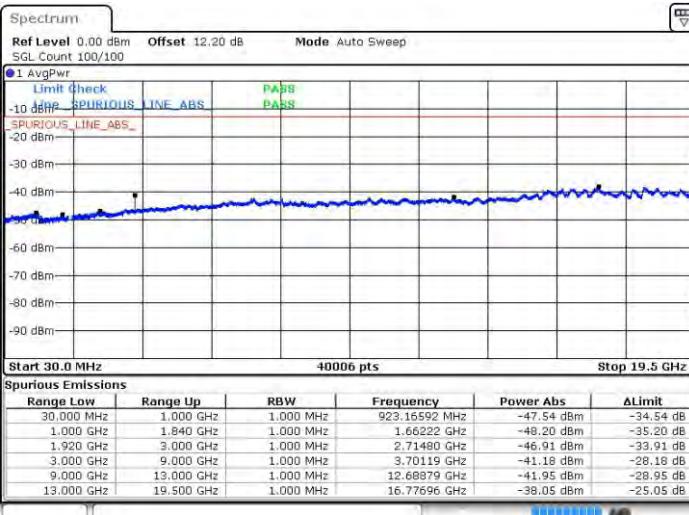
Date: 6.NOV.2015 10:47:41

Date: 6.NOV.2015 10:48:36

LTE Band 2 / 10MHz

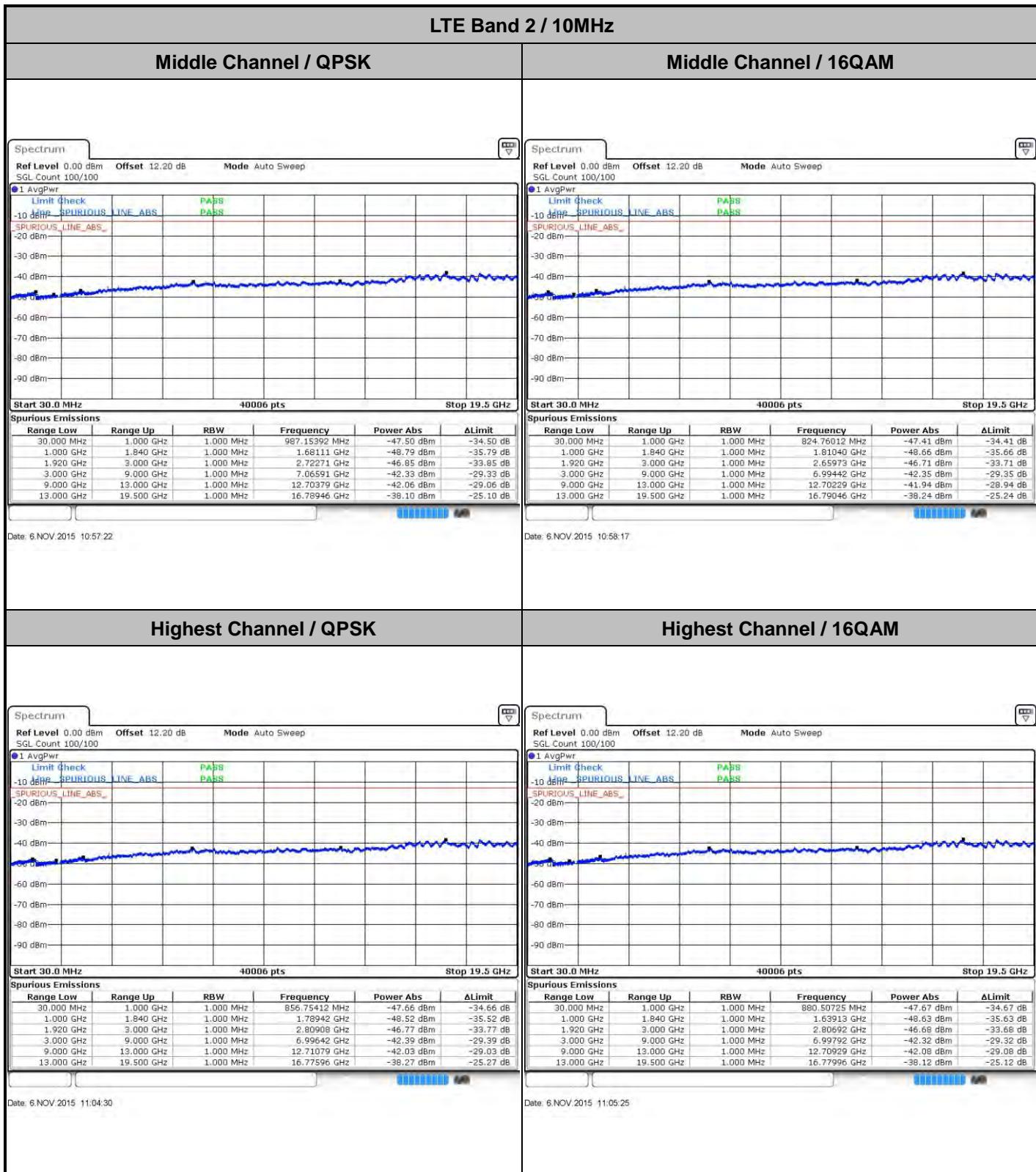
Lowest Channel / QPSK

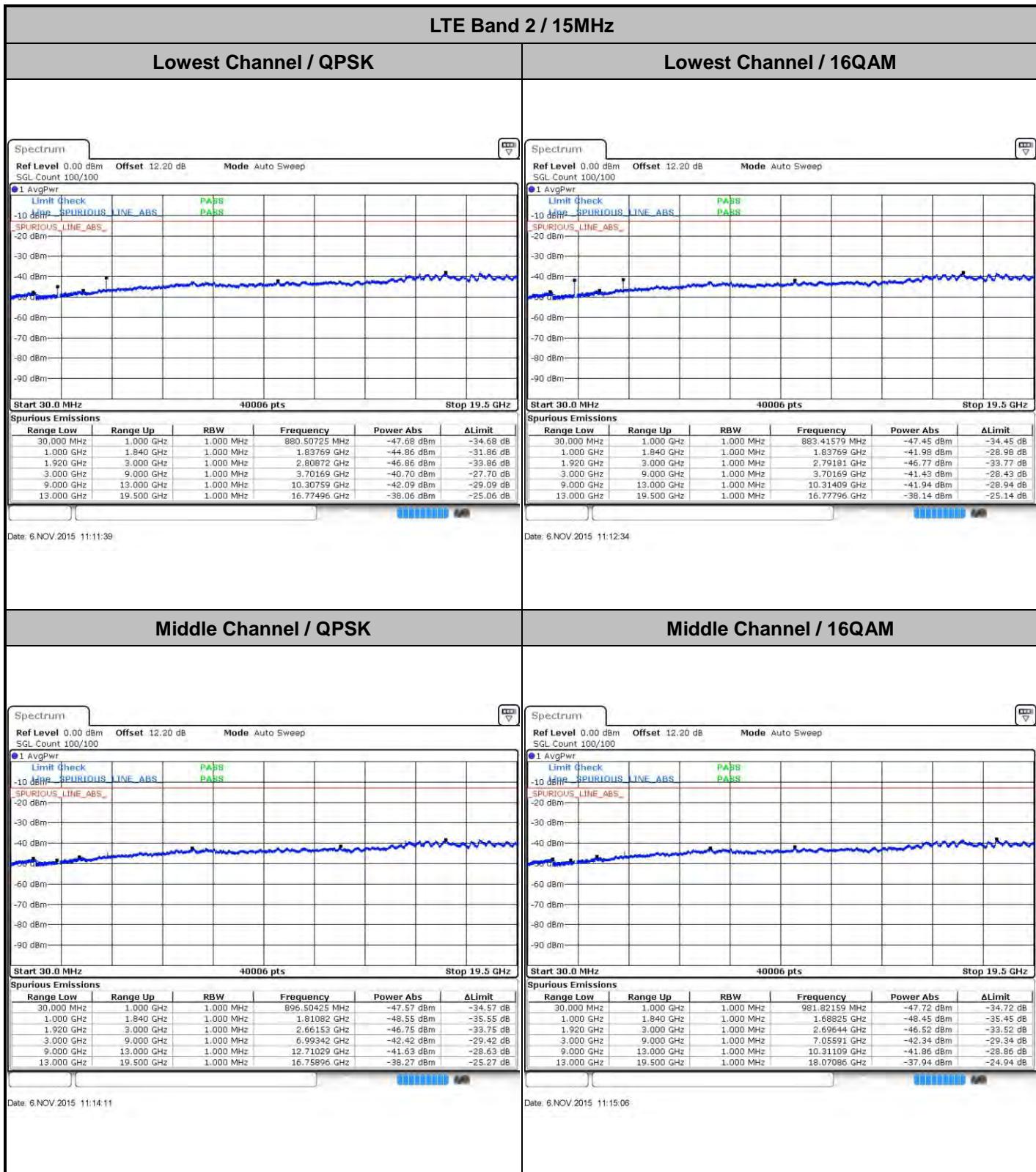
Lowest Channel / 16QAM



Date: 6.NOV.2015 10:54:50

Date: 6.NOV.2015 10:55:45



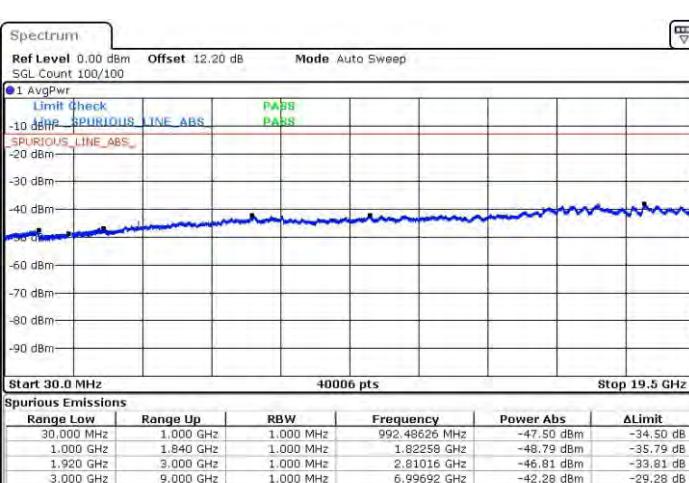




LTE Band 2 / 15MHz

Highest Channel / QPSK

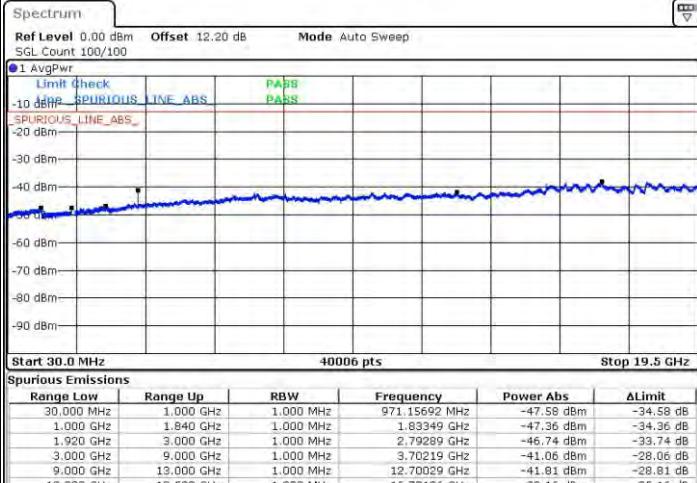
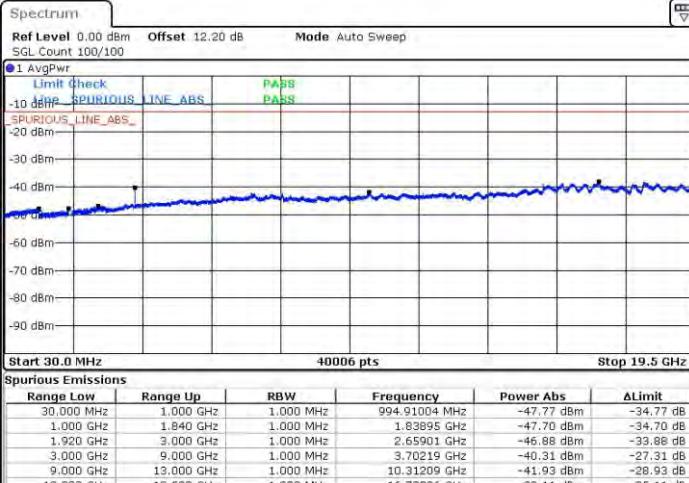
Highest Channel / 16QAM



LTE Band 2 / 20MHz

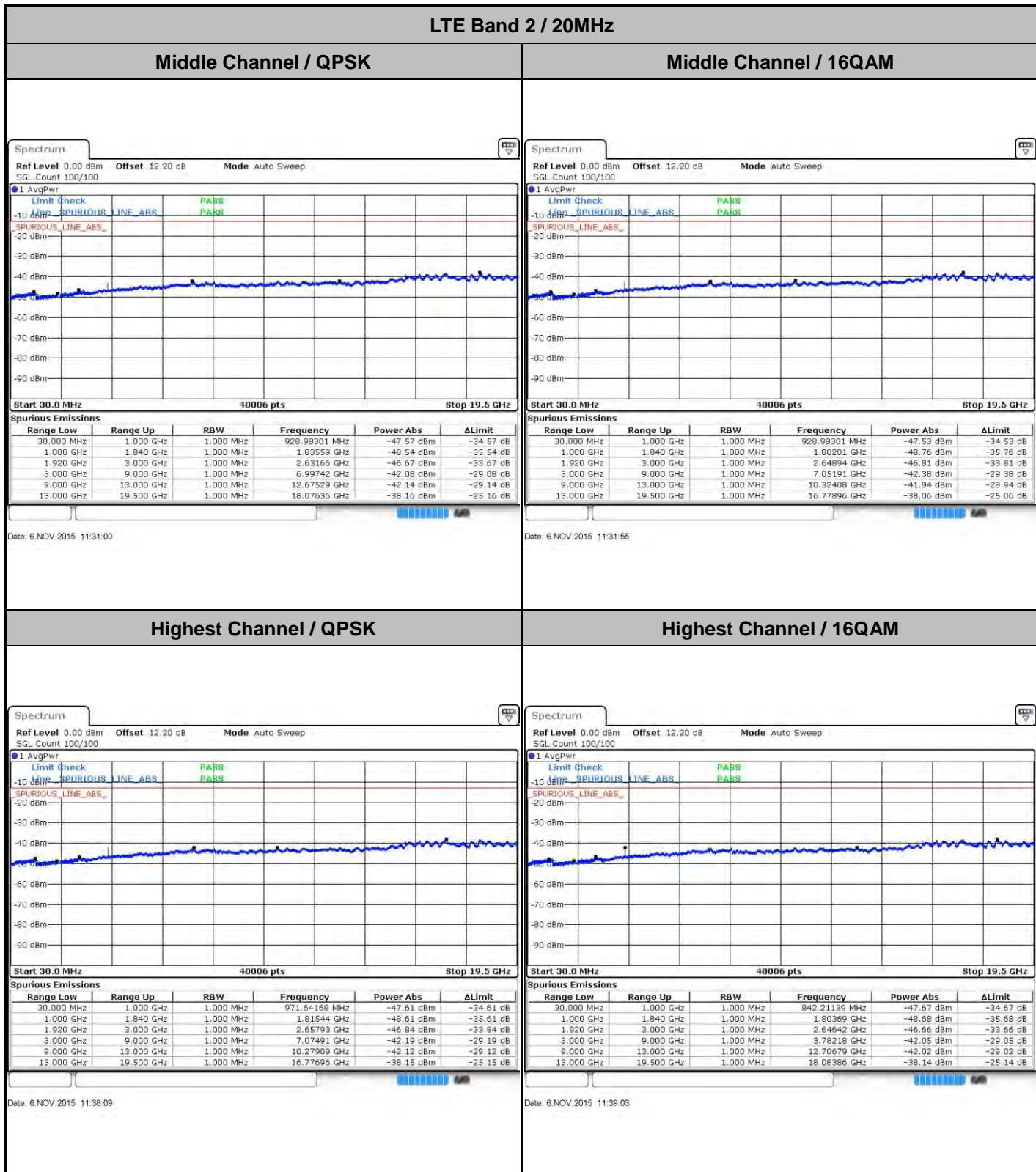
Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 6.NOV.2015 11:28:28

Date: 6.NOV.2015 11:29:23





Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0107	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0064	

Note:

1. Normal Voltage = 12V. : Battery End Point (BEP) = 9 V. : Maximum Voltage =32 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.