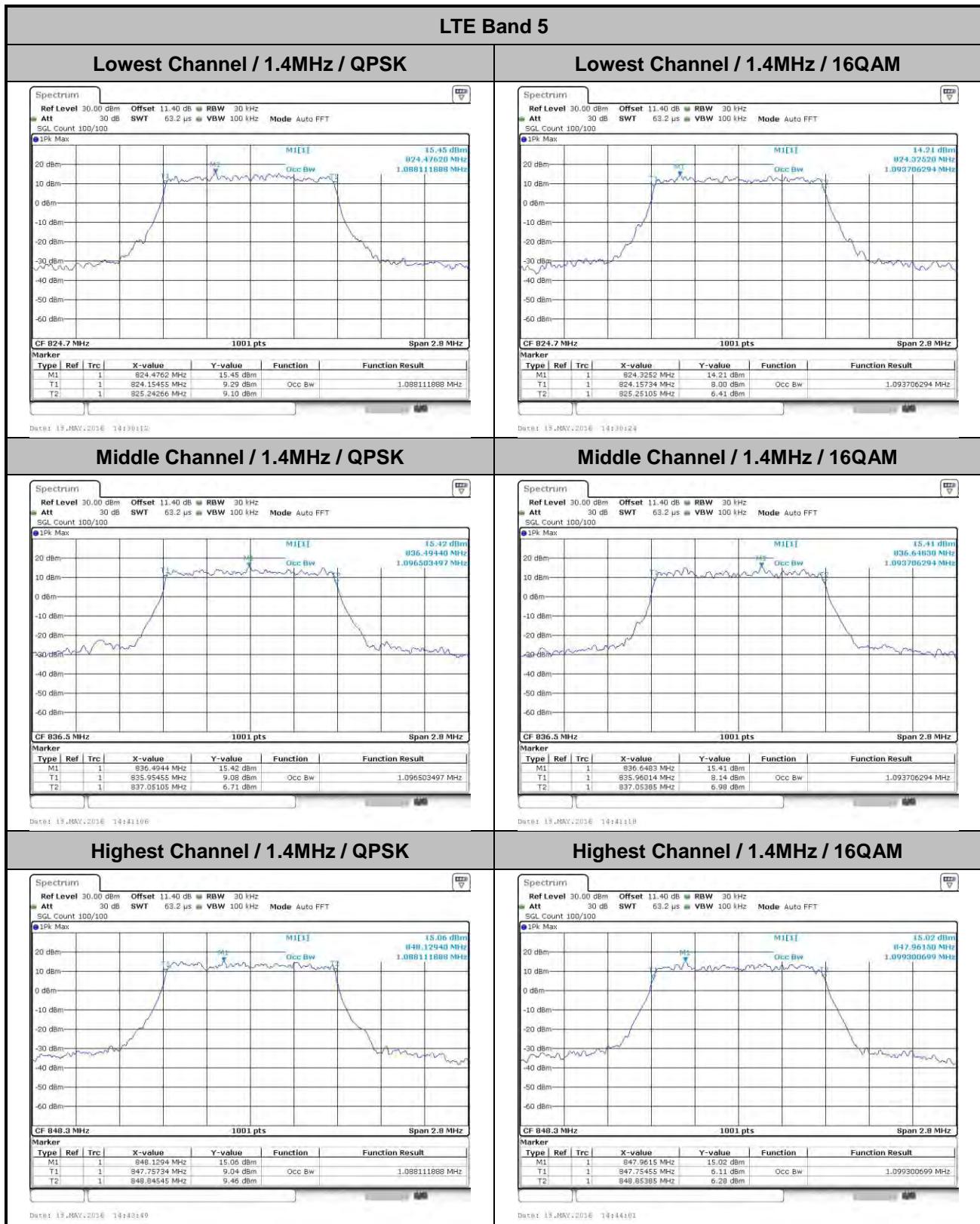
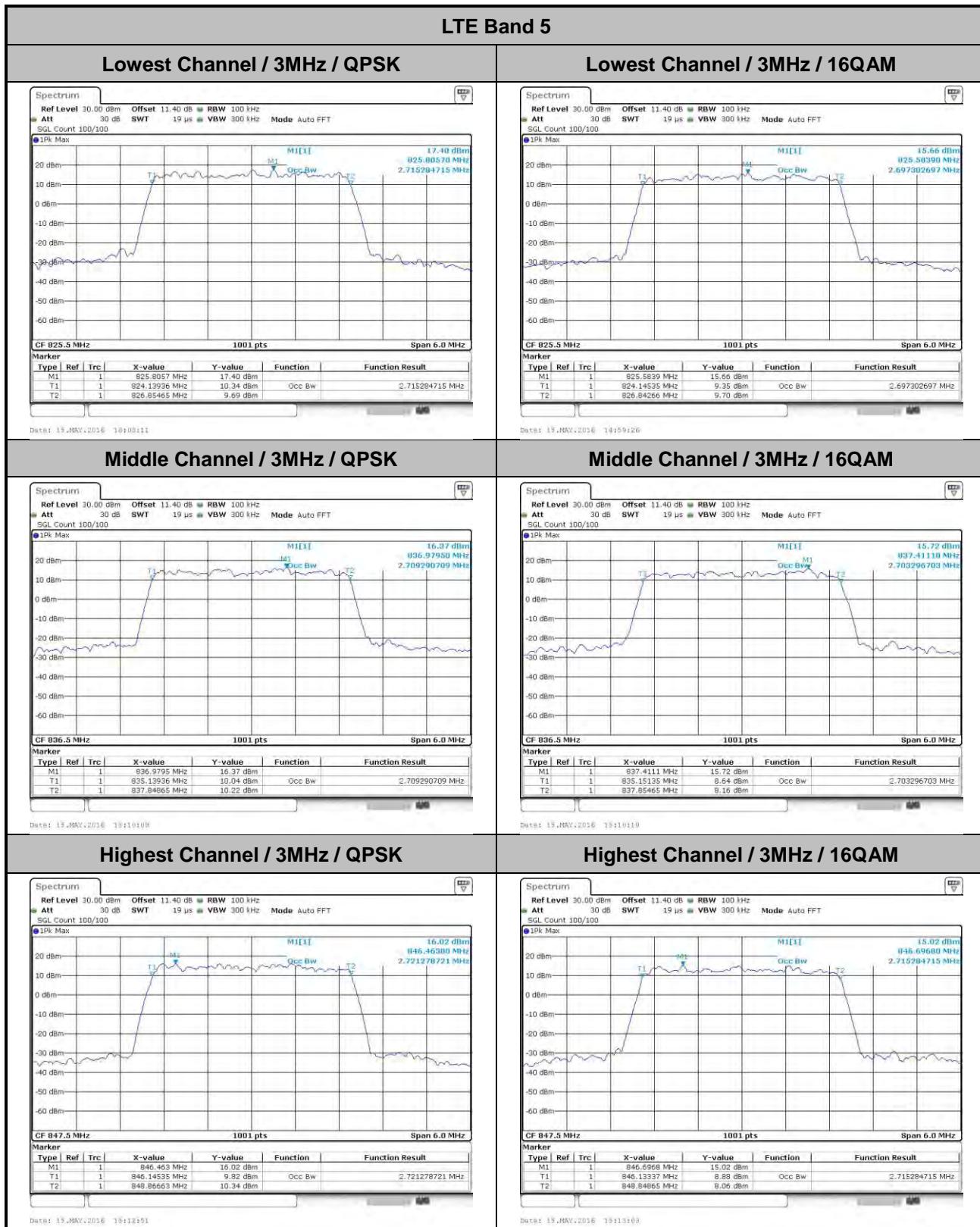
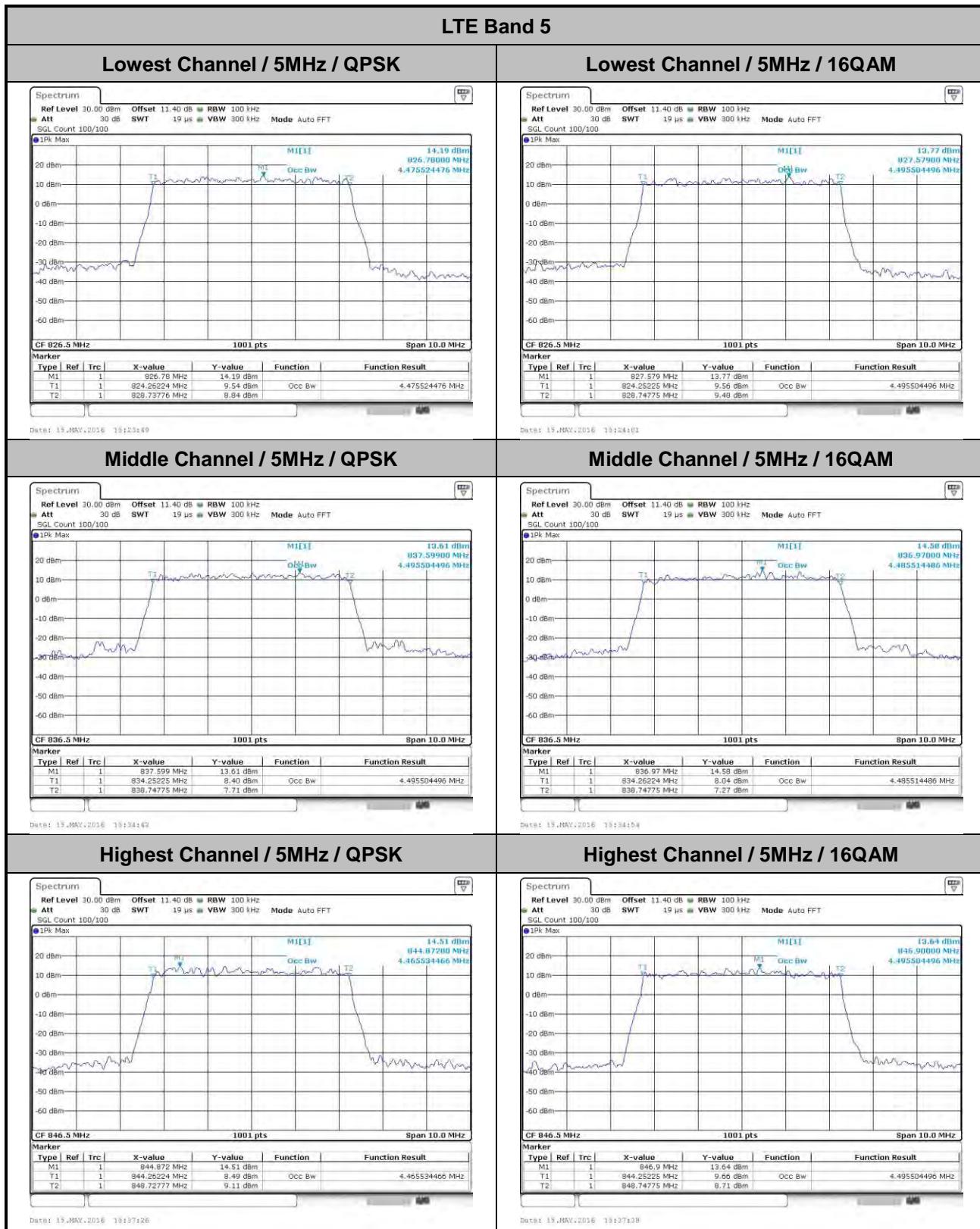


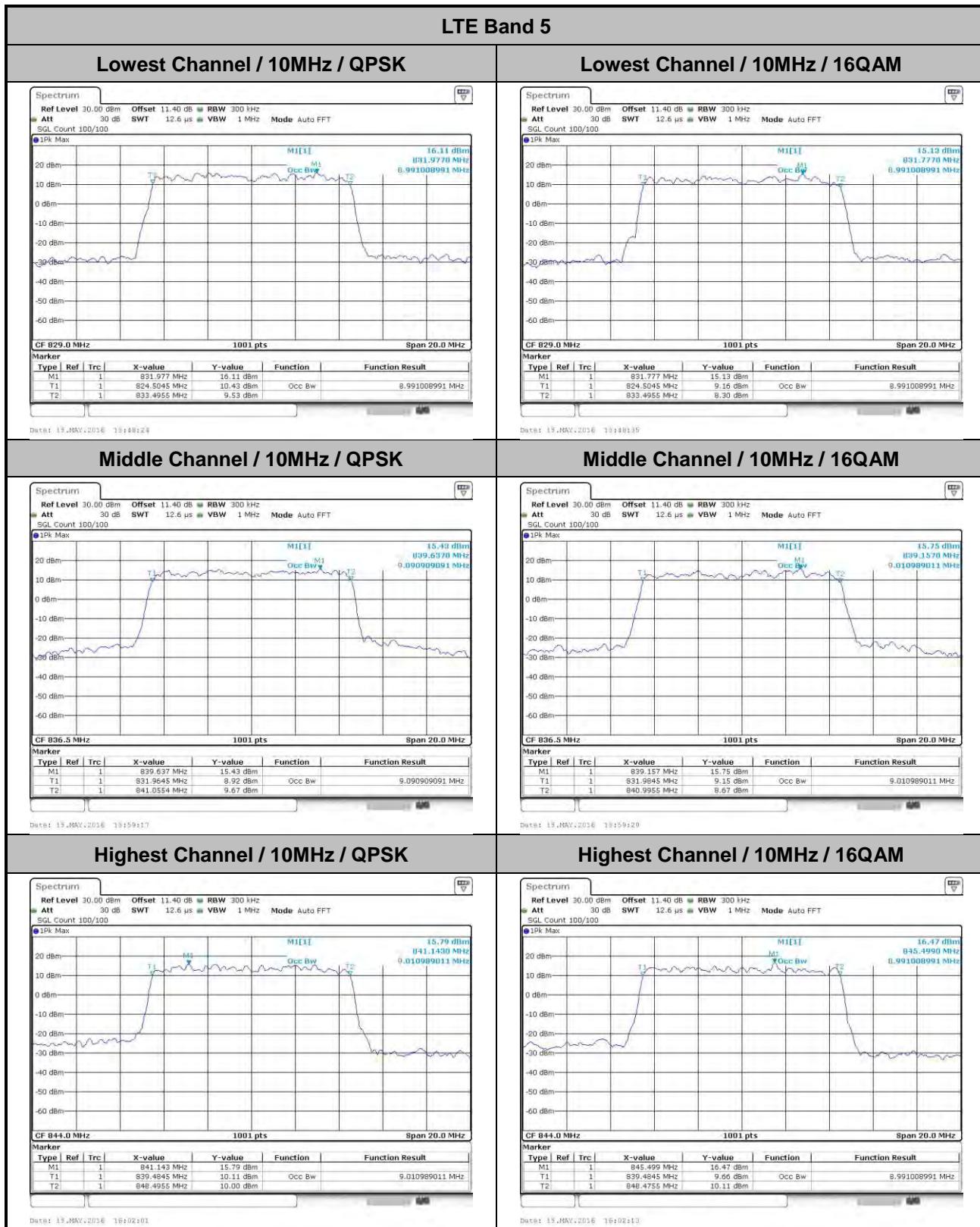
**Occupied Bandwidth**

Mode	LTE Band 5 : 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	1.09	2.72	2.70	4.48	4.50	8.99	8.99	-	-	-	-
Middle CH	1.10	1.09	2.71	2.70	4.50	4.49	9.09	9.01	-	-	-	-
Highest CH	1.09	1.10	2.72	2.72	4.47	4.50	9.01	8.99	-	-	-	-



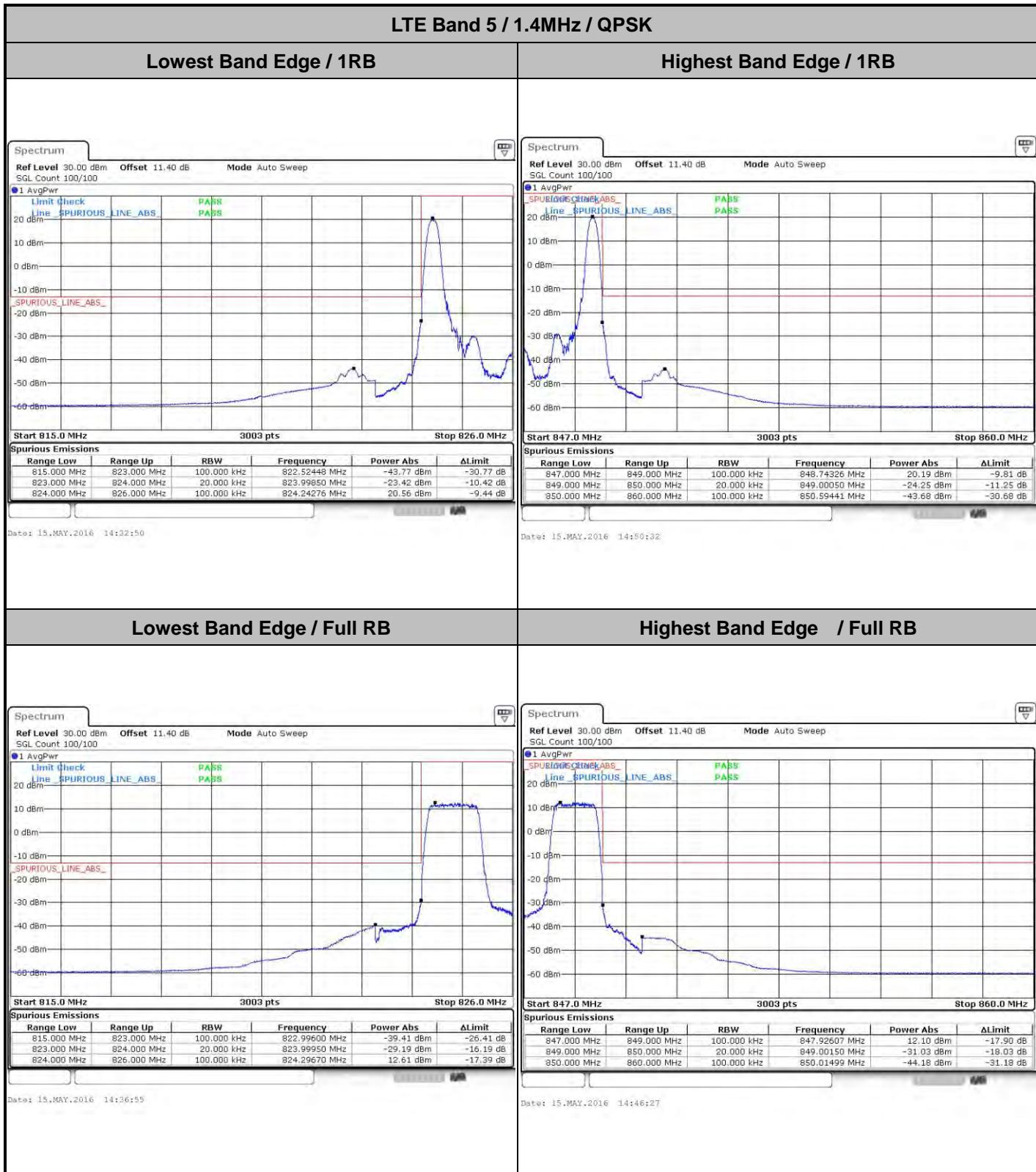


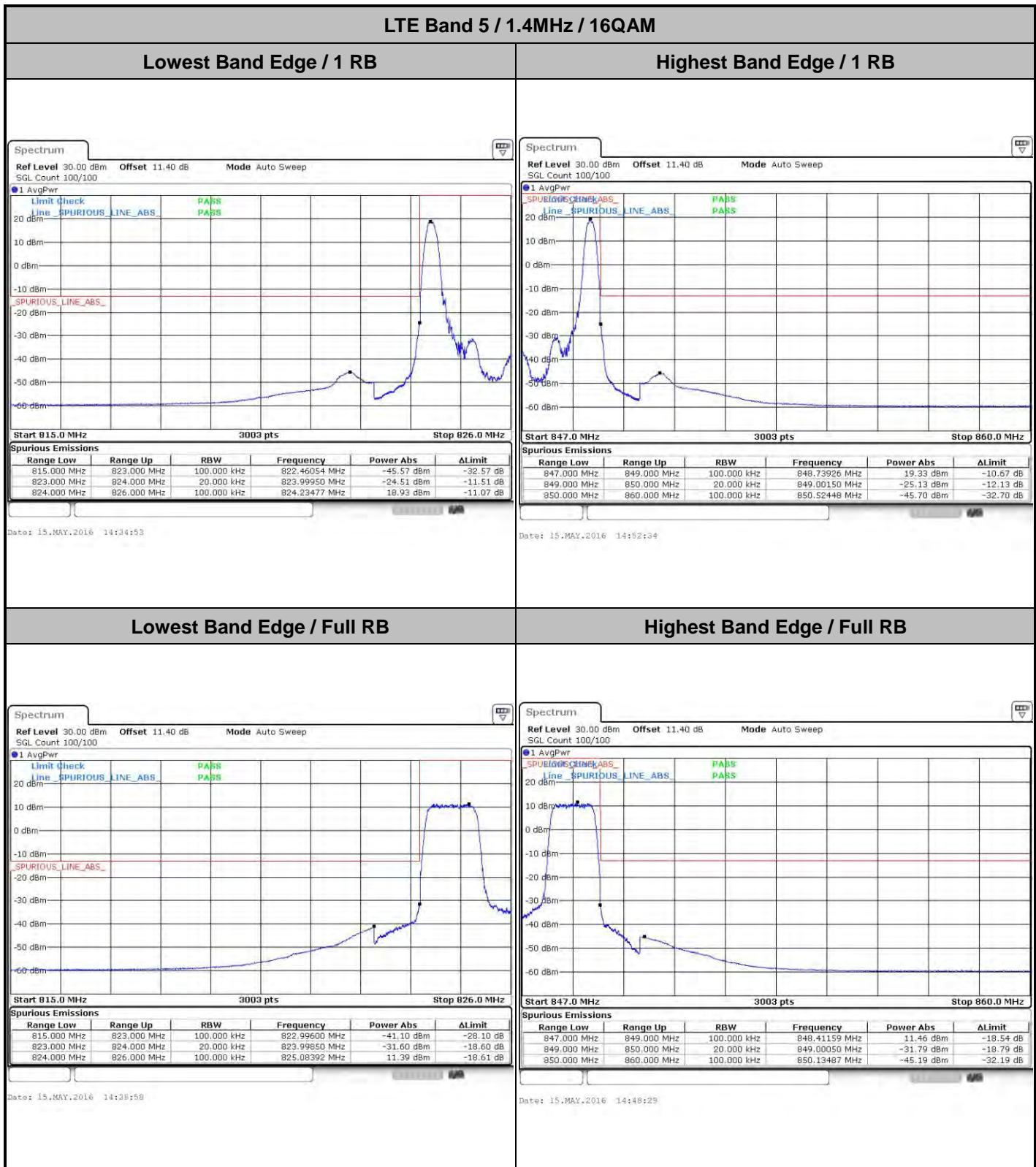


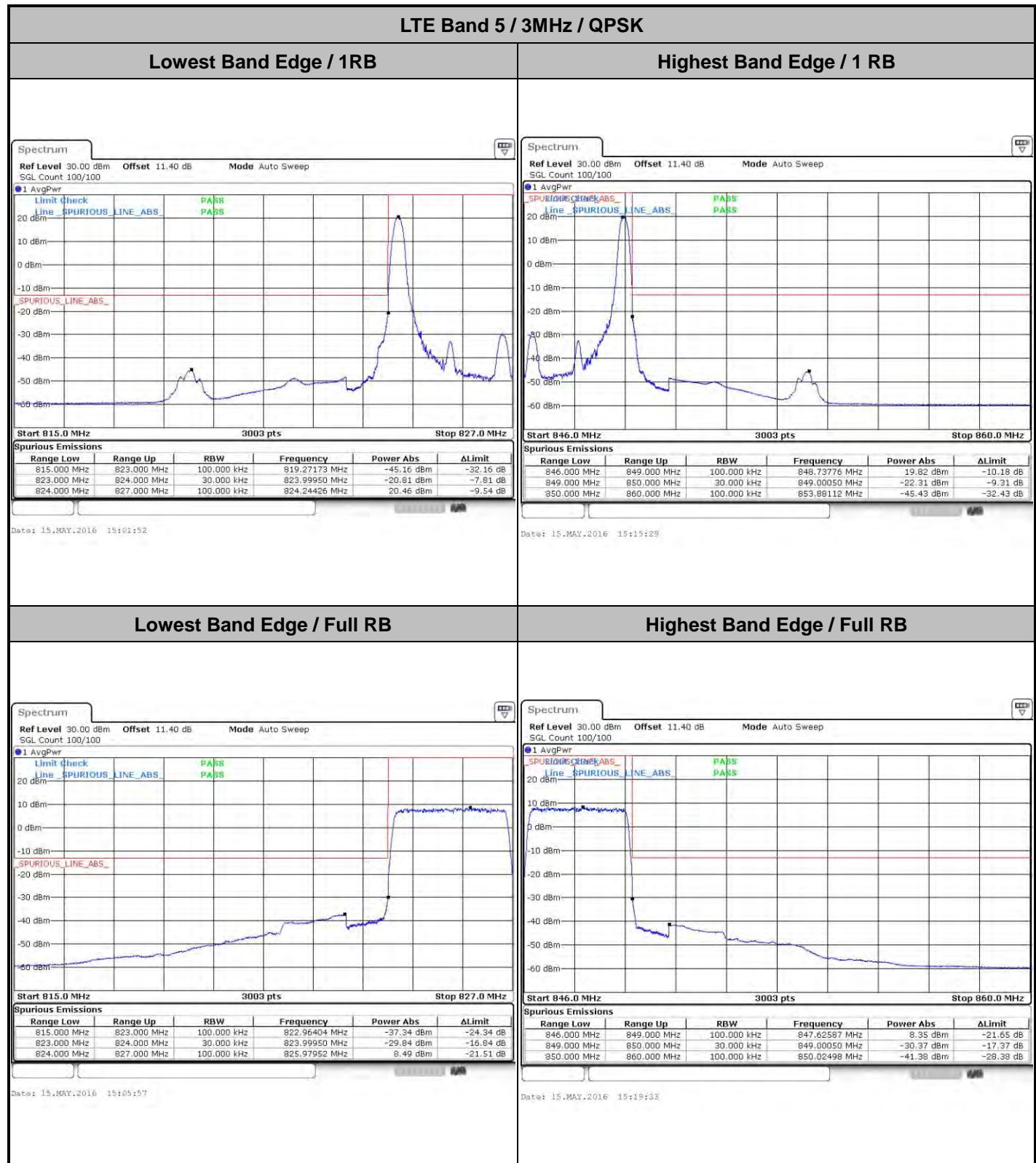


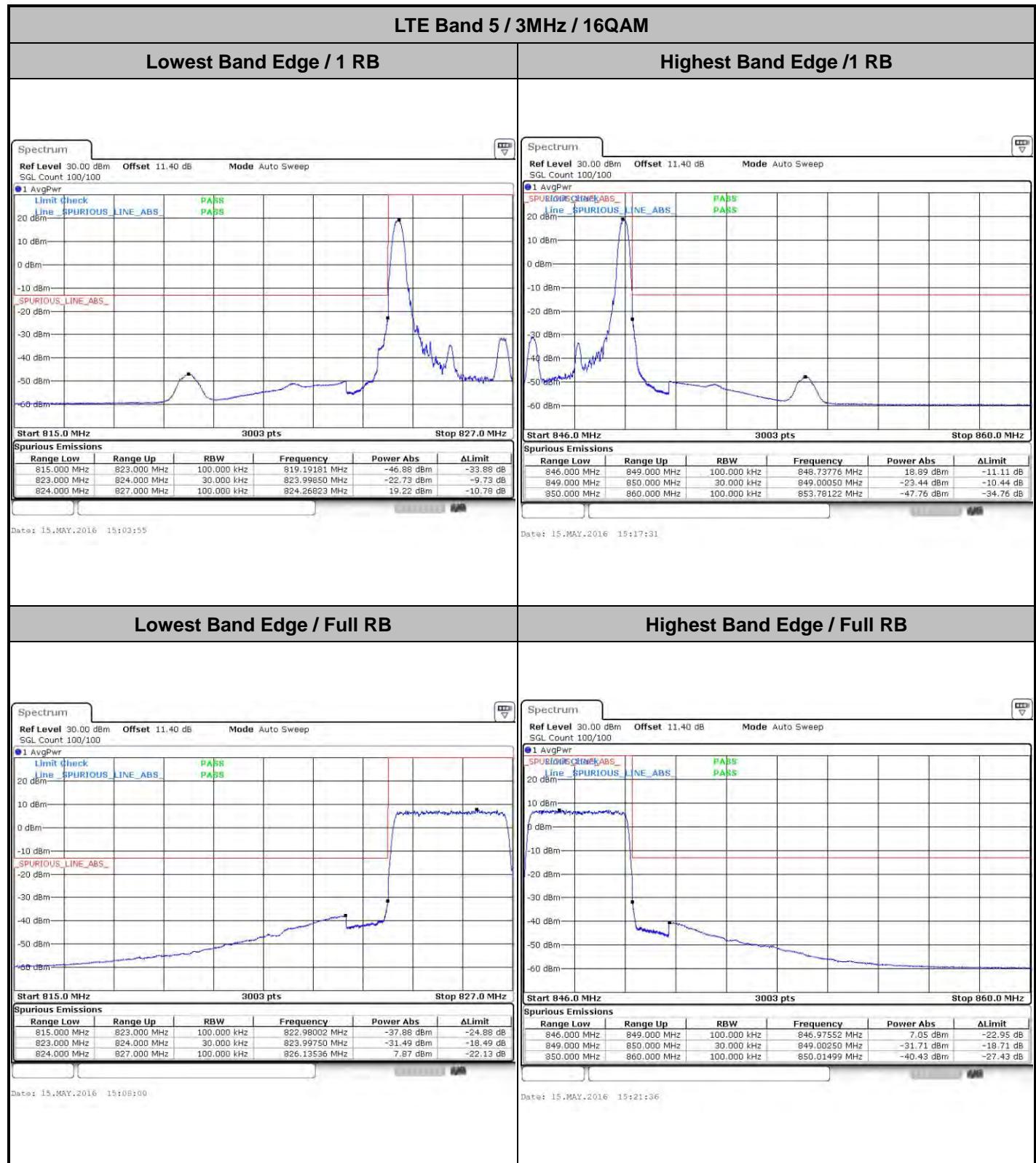


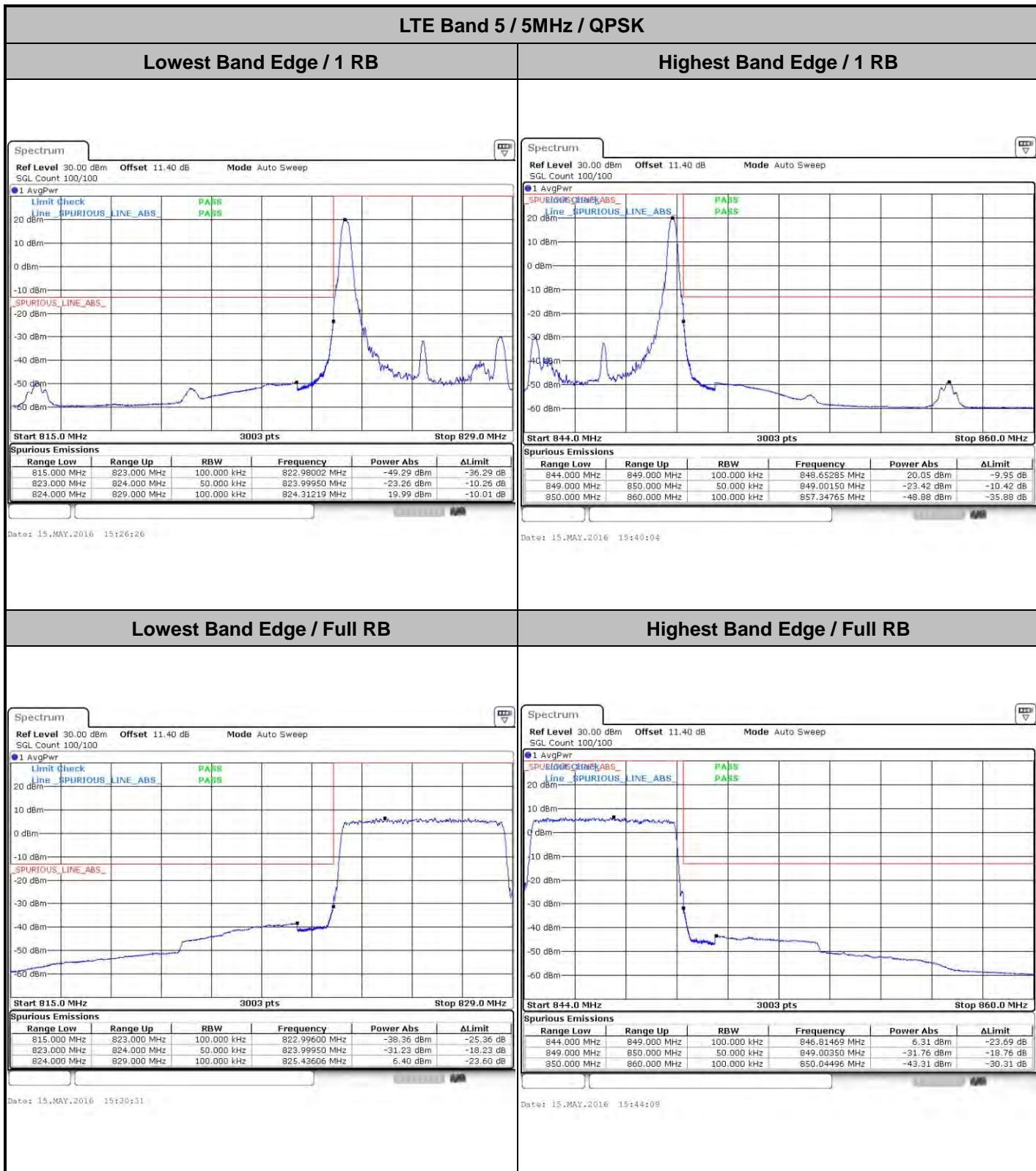
## Conducted Band Edge

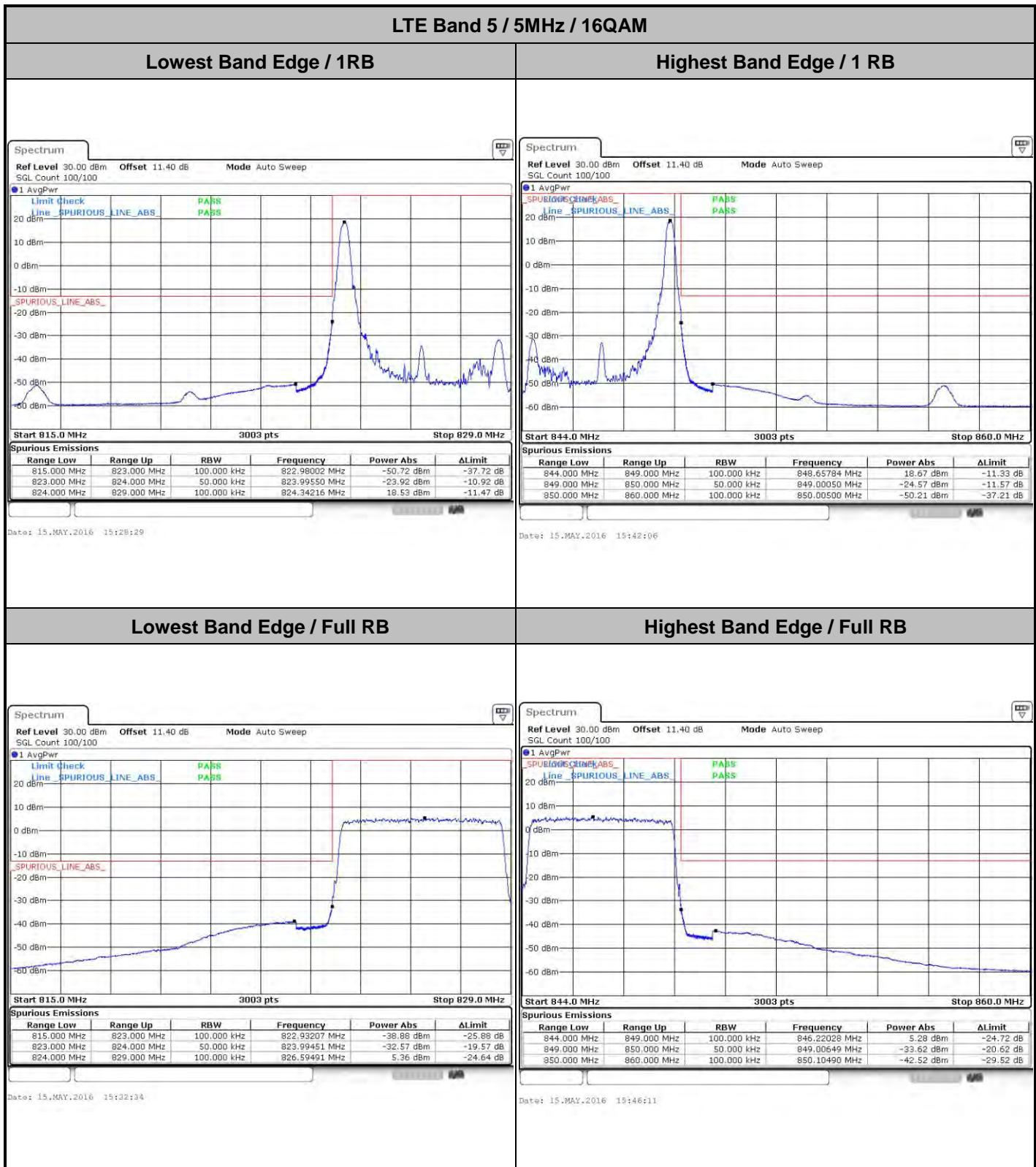


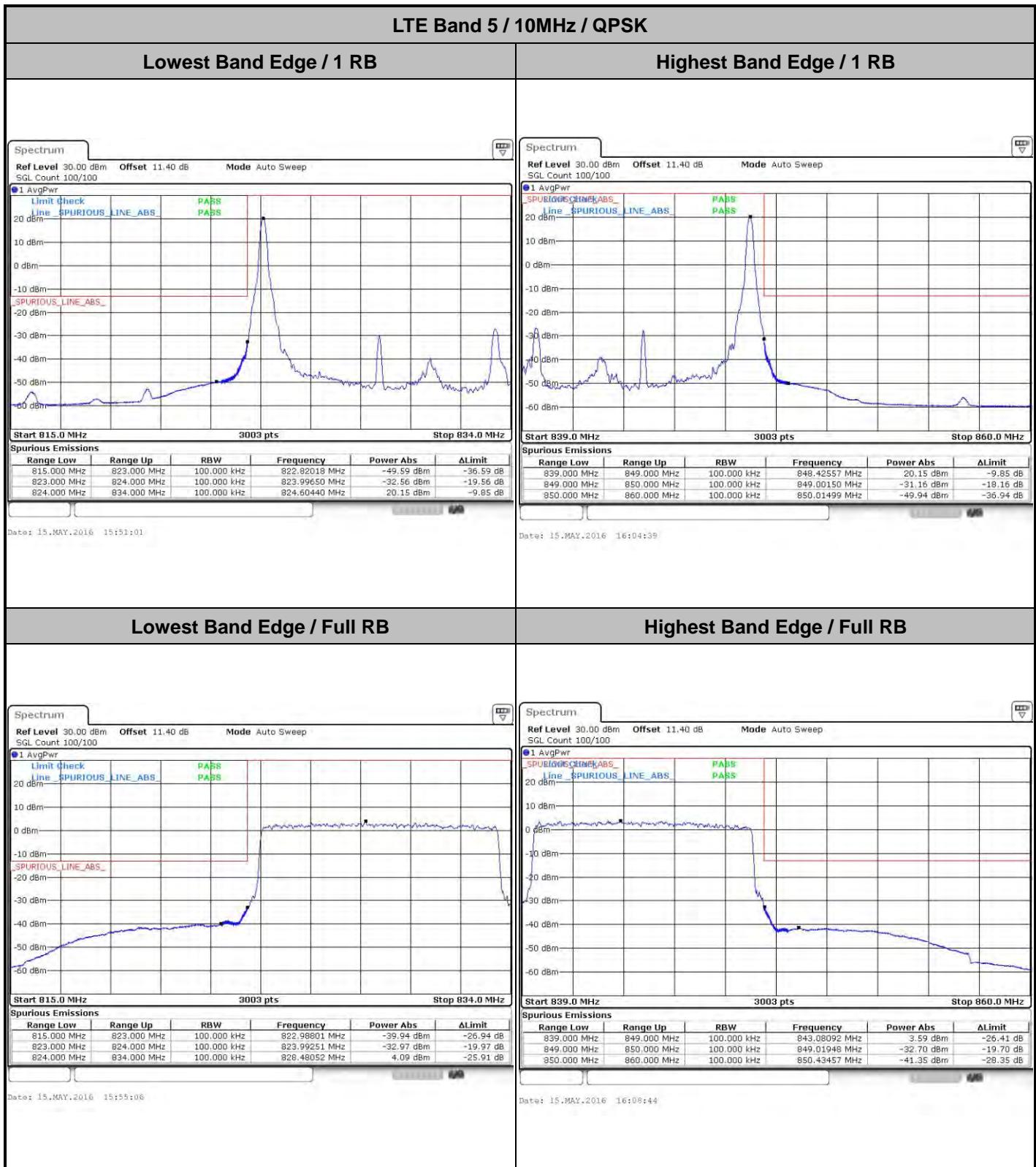


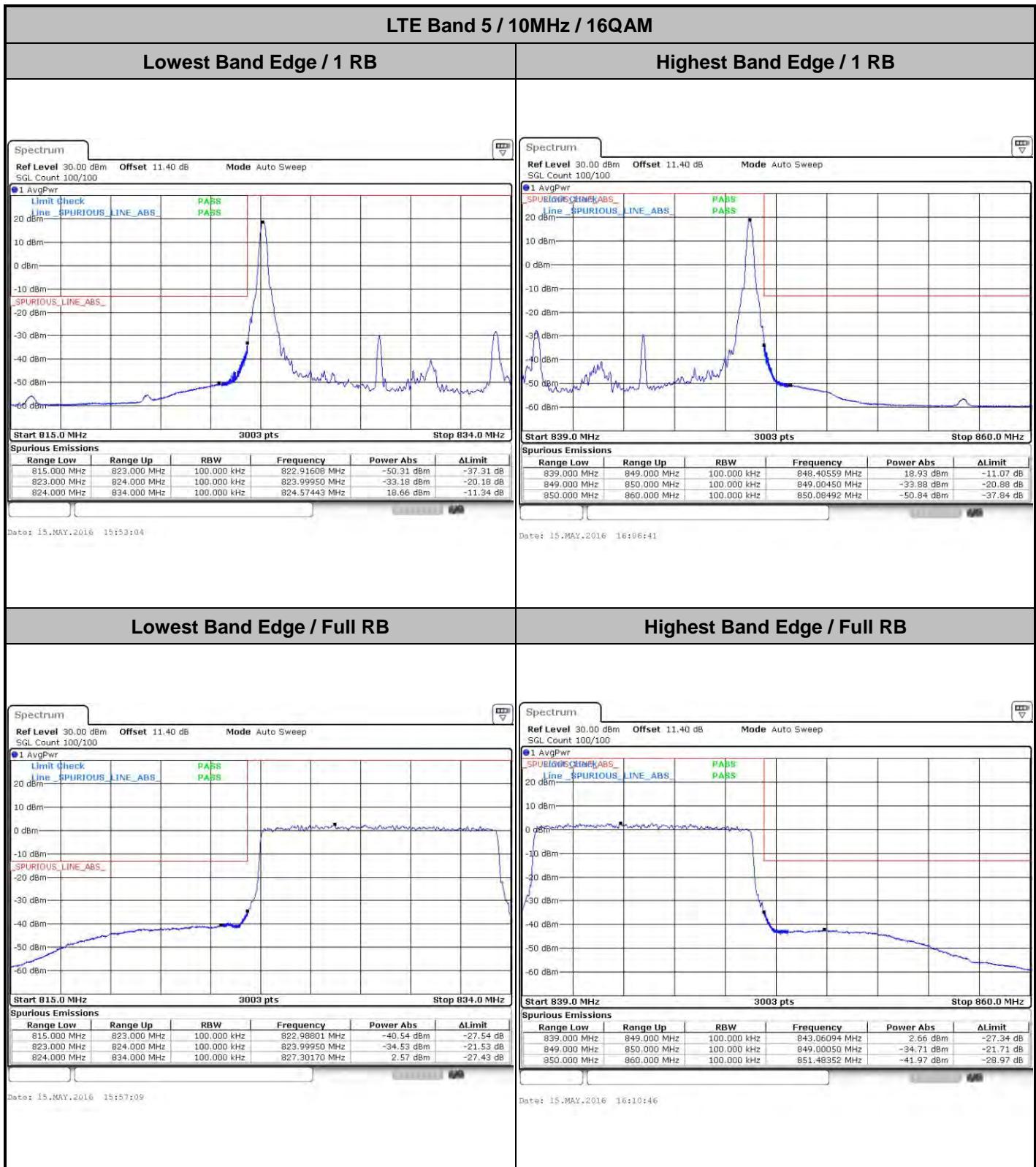












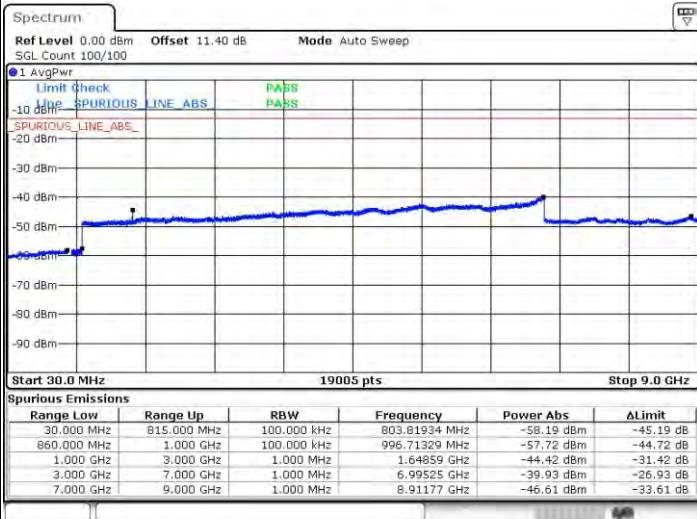
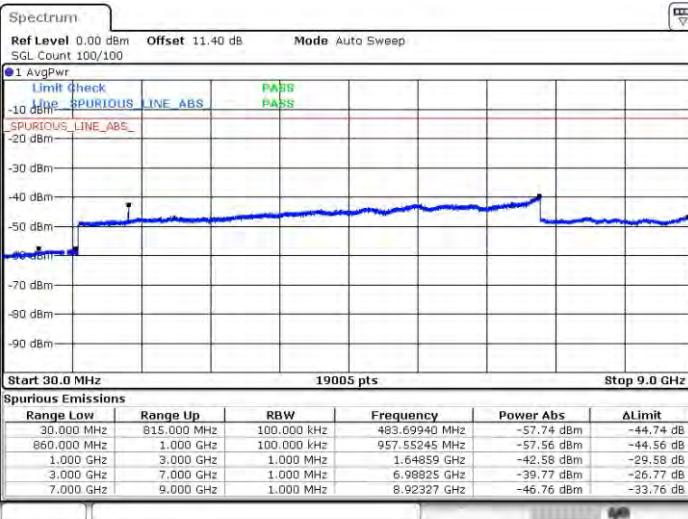


## Conducted Spurious Emission

### LTE Band 5 / 1.4MHz

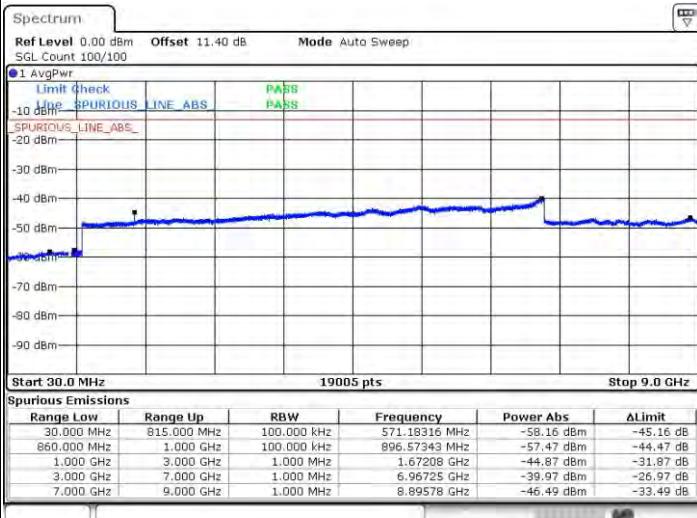
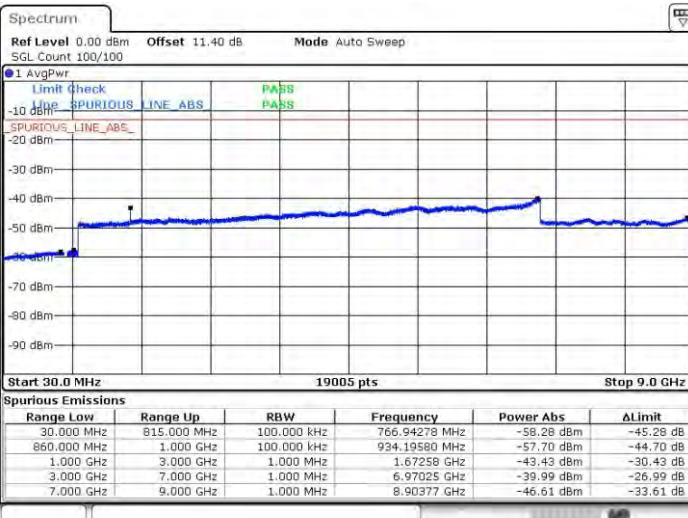
#### Lowest Channel / QPSK

#### Lowest Channel / 16QAM



#### Middle Channel / QPSK

#### Middle Channel / 16QAM

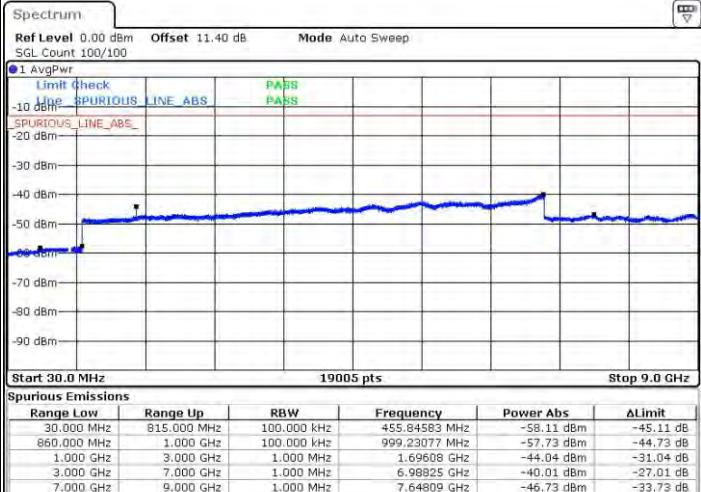




## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK

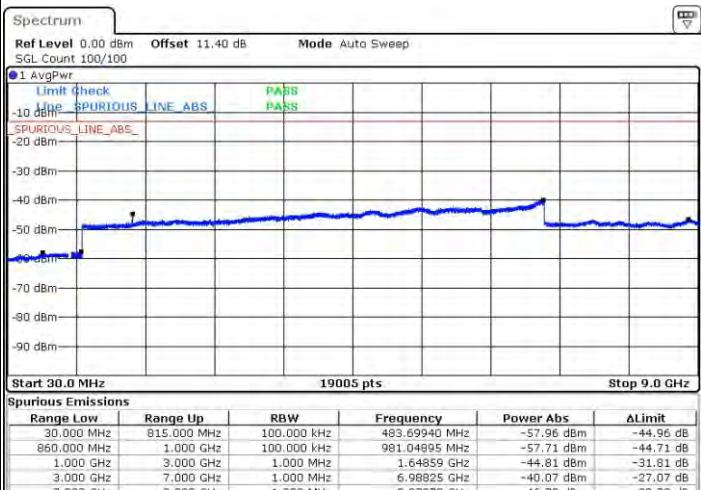
## Highest Channel / 16QAM

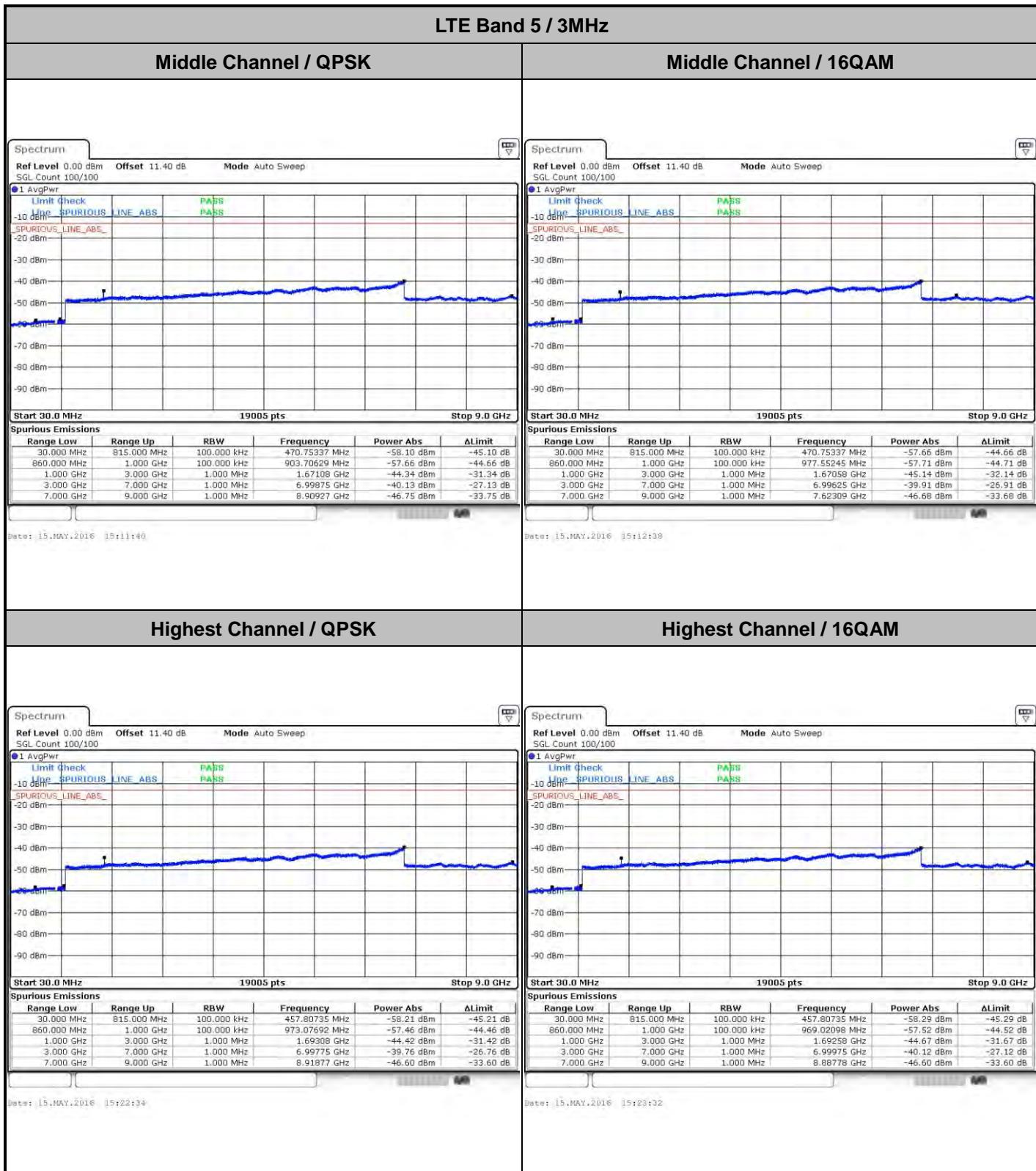


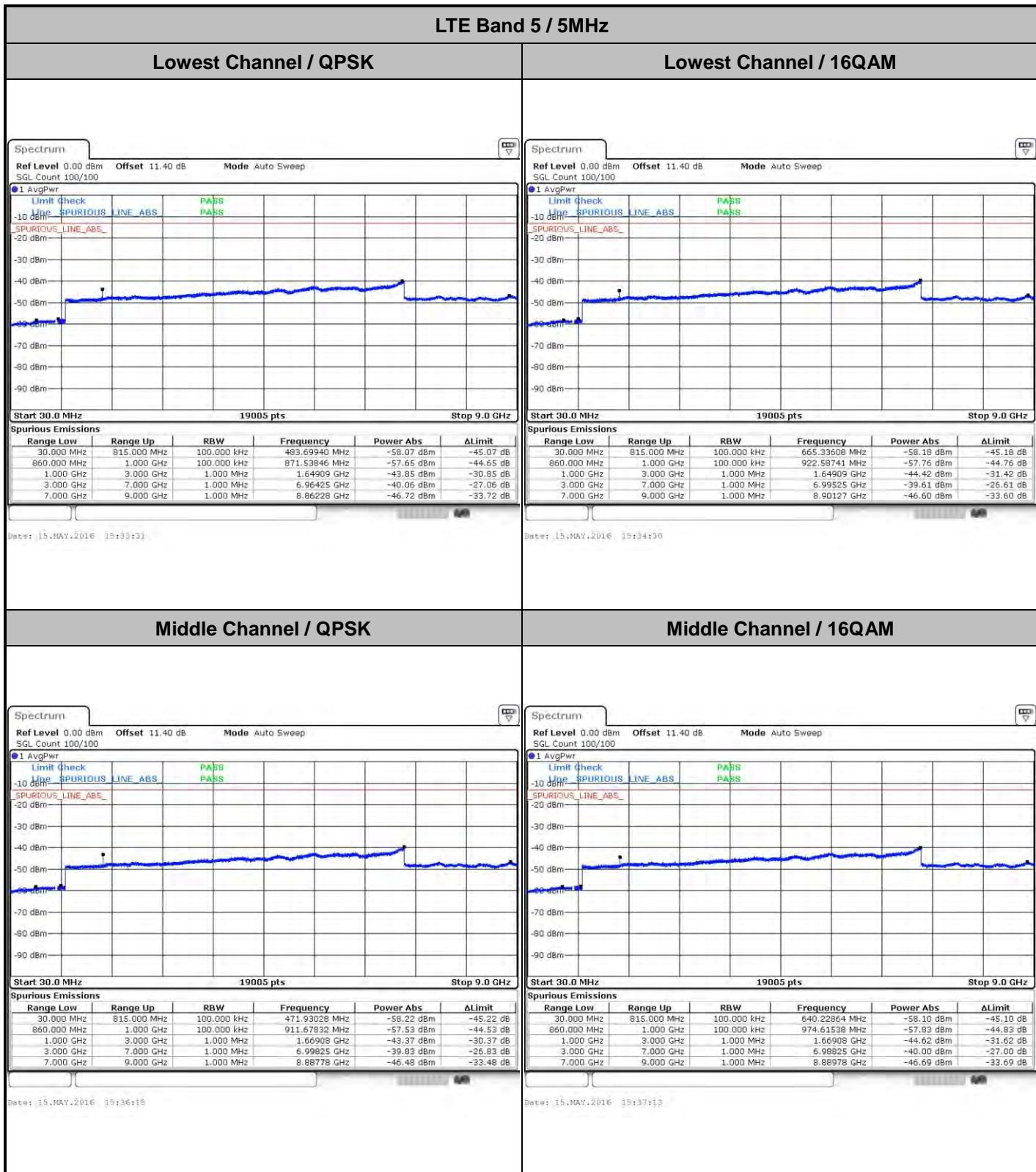
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM





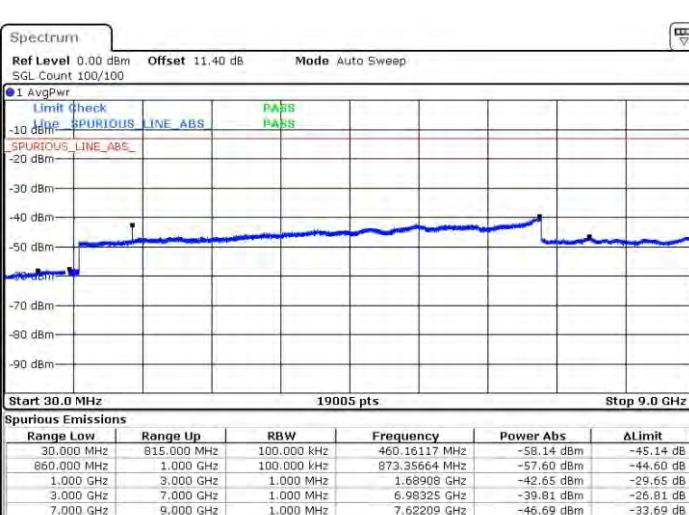




## LTE Band 5 / 5MHz

## Highest Channel / QPSK

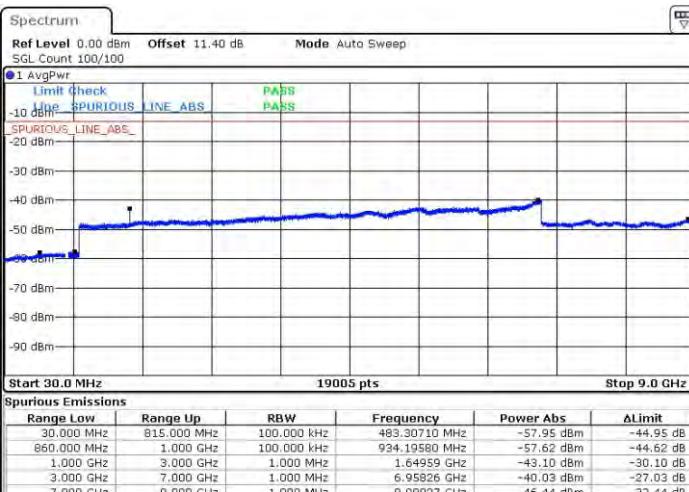
## Highest Channel / 16QAM

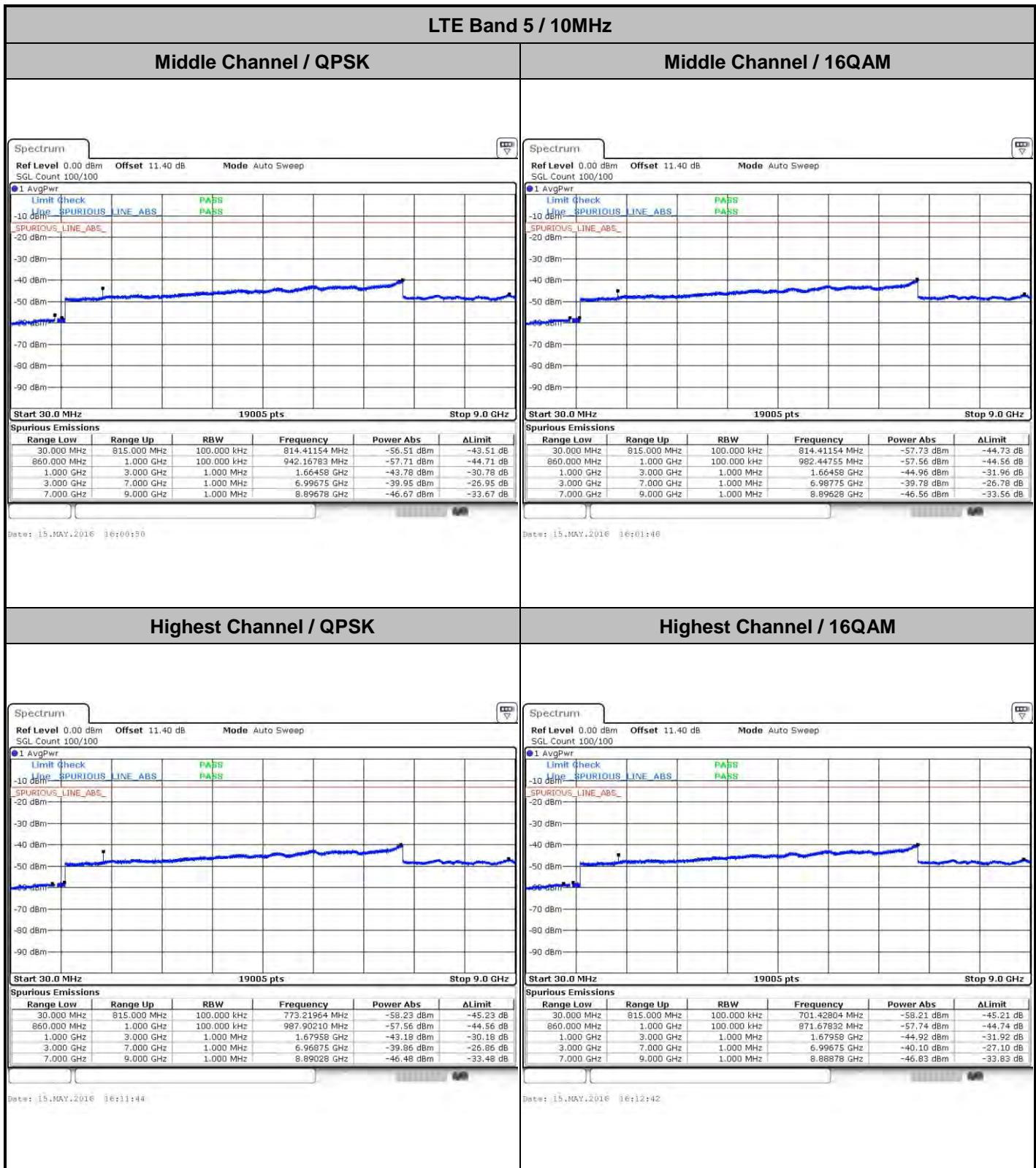


## LTE Band 5 / 10MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM







## Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0102	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0111	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

**Note:**

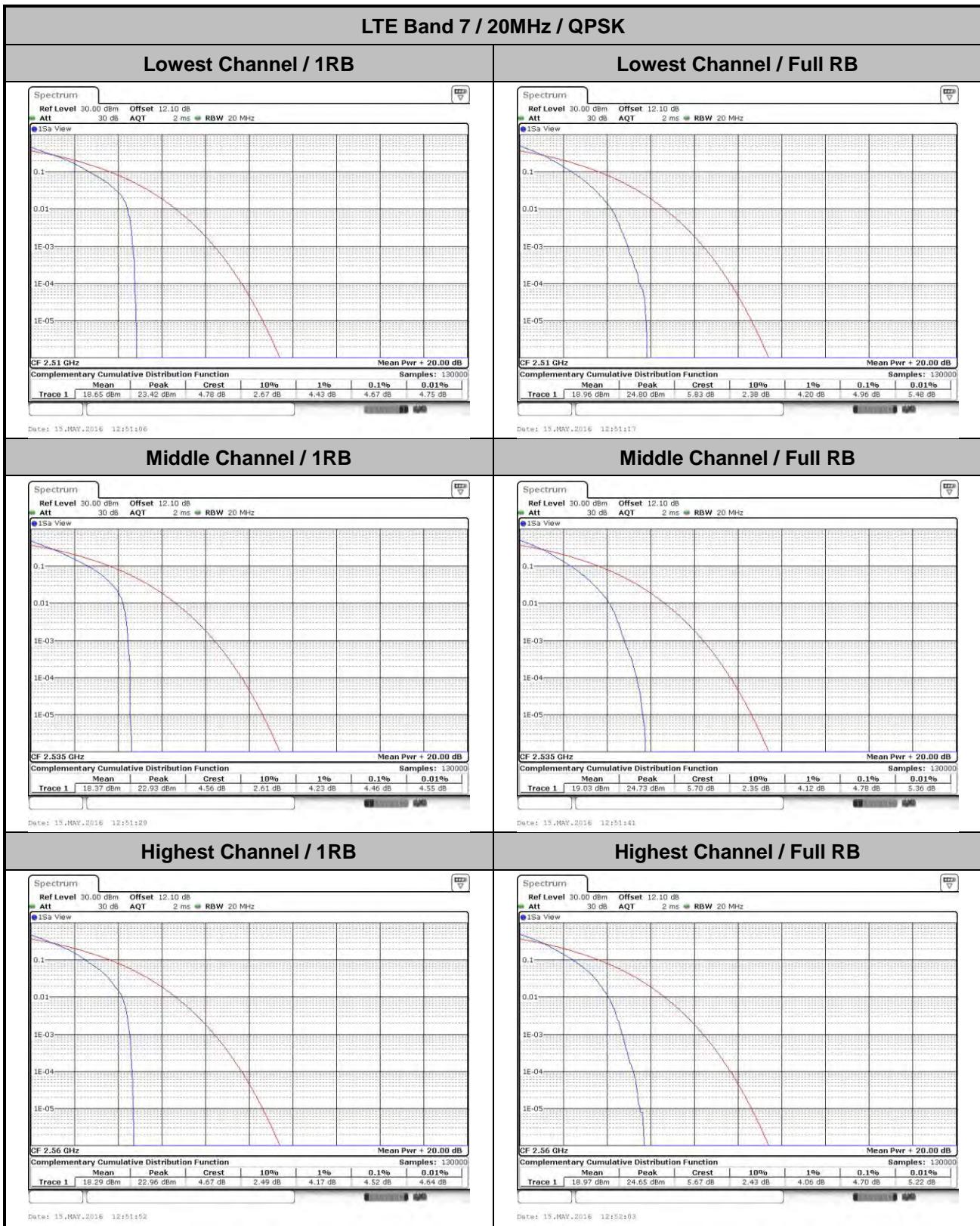
1. Normal Voltage = 4.0V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

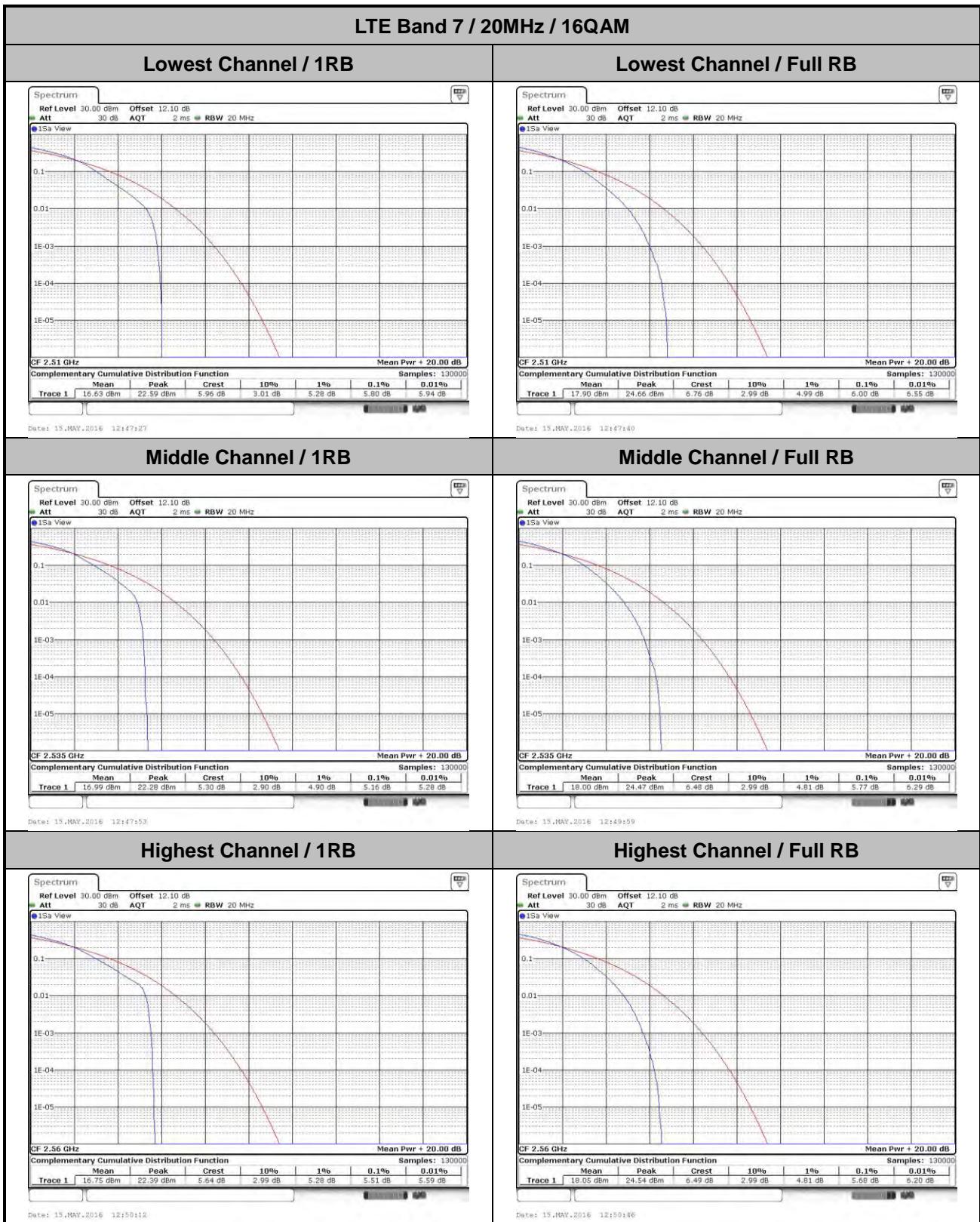


## LTE Band 7

### Peak-to-Average Ratio

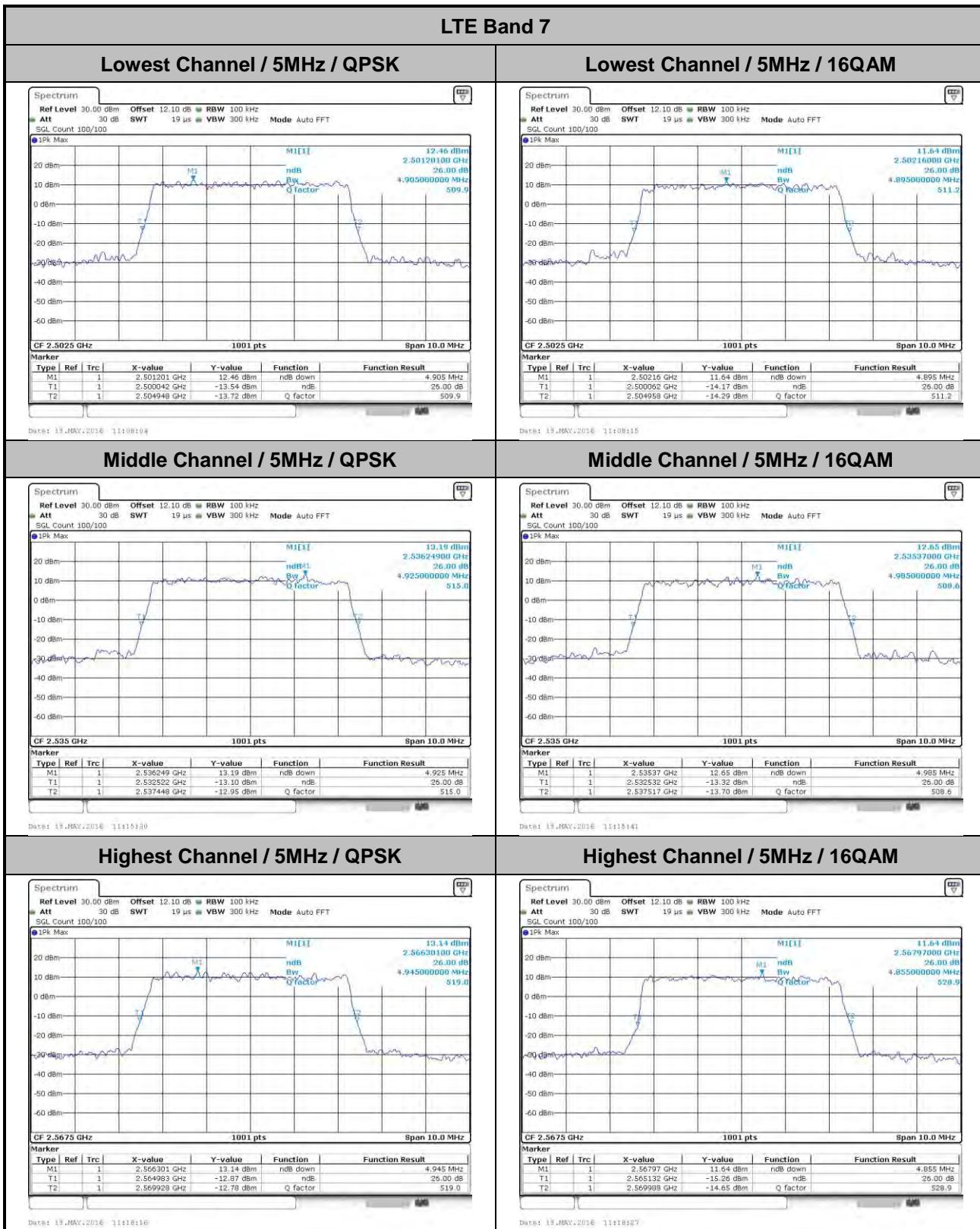
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.67	4.96	5.80	6.00	PASS
Middle CH	4.46	4.78	5.16	5.77	
Highest CH	4.52	4.70	5.51	5.68	

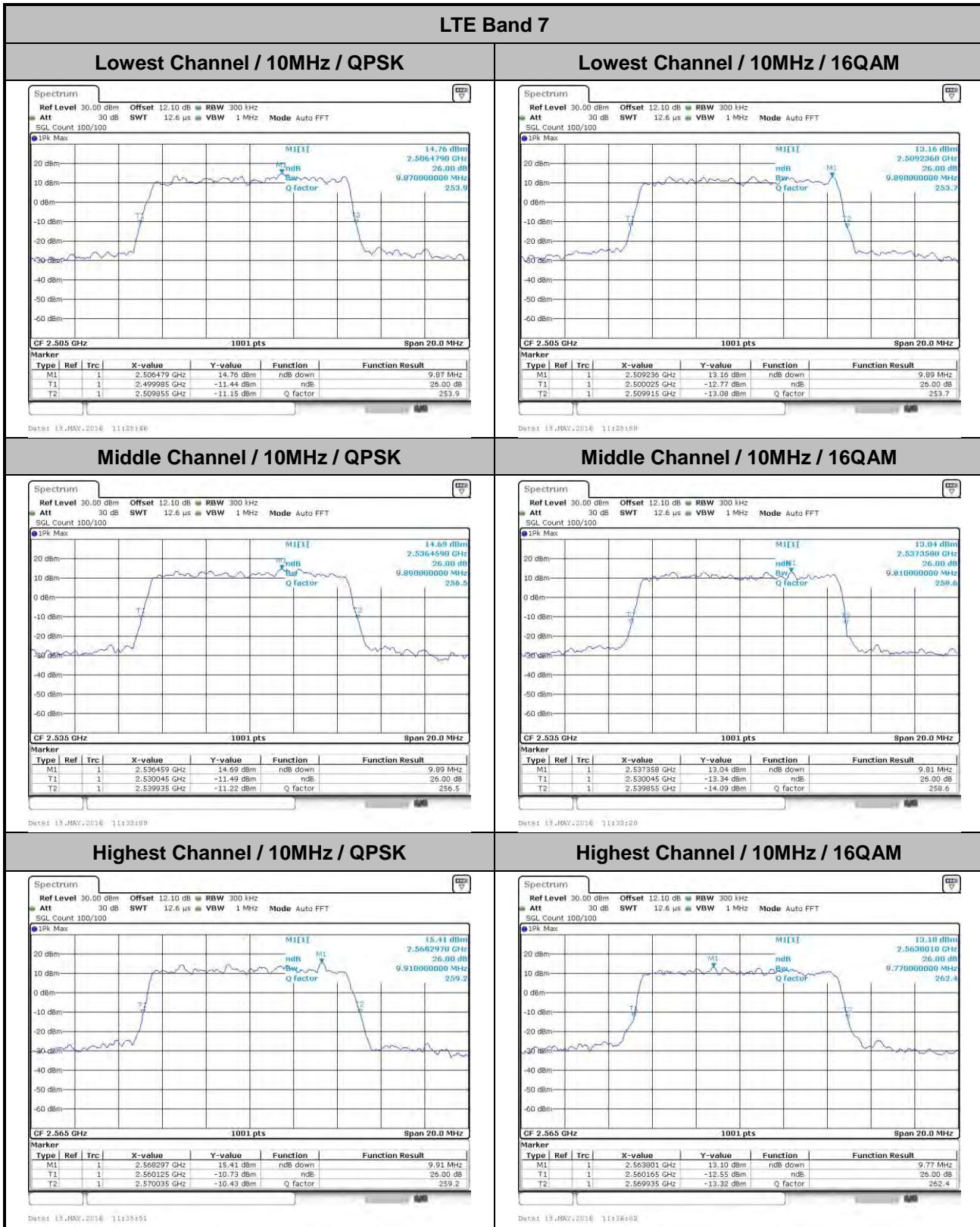


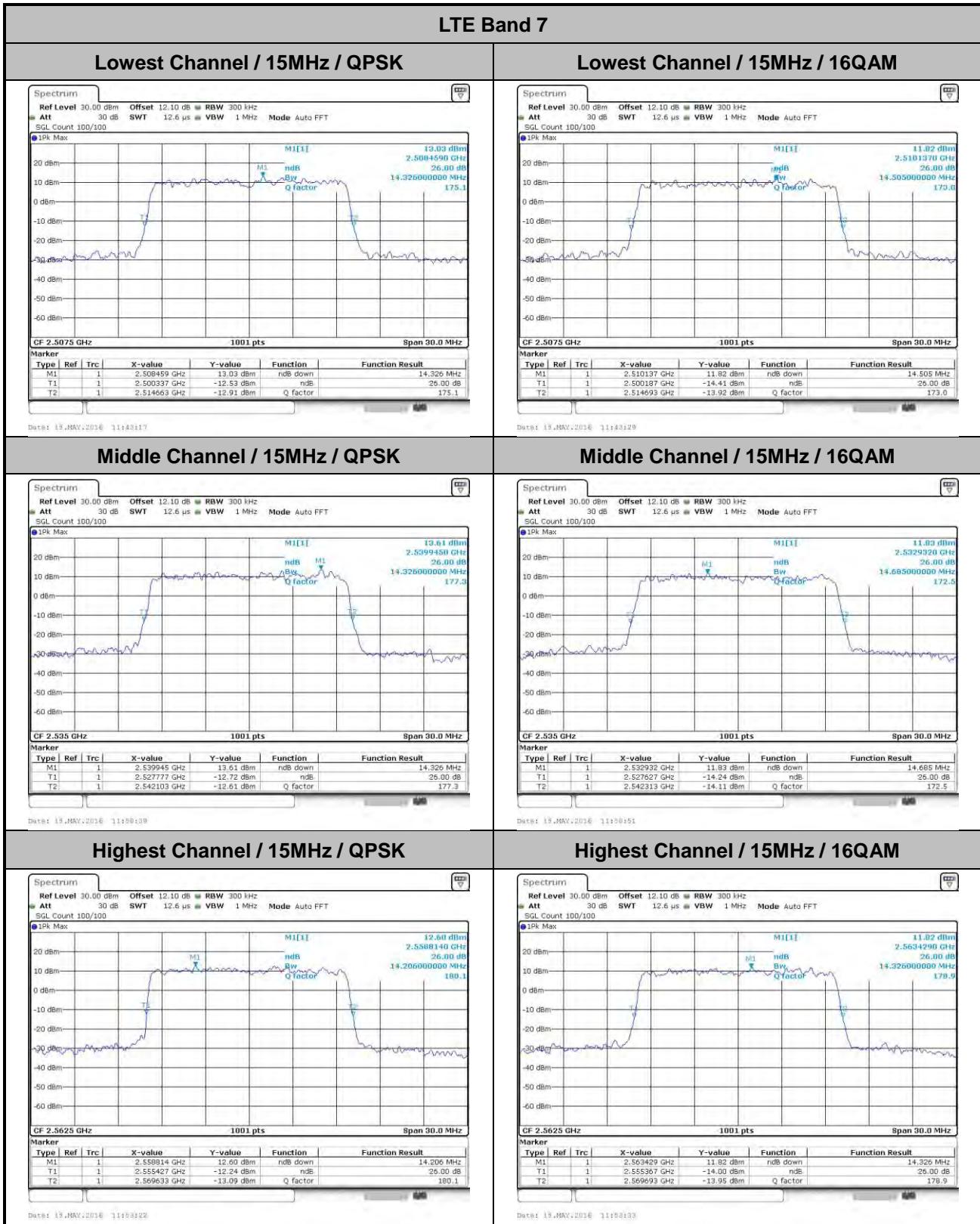


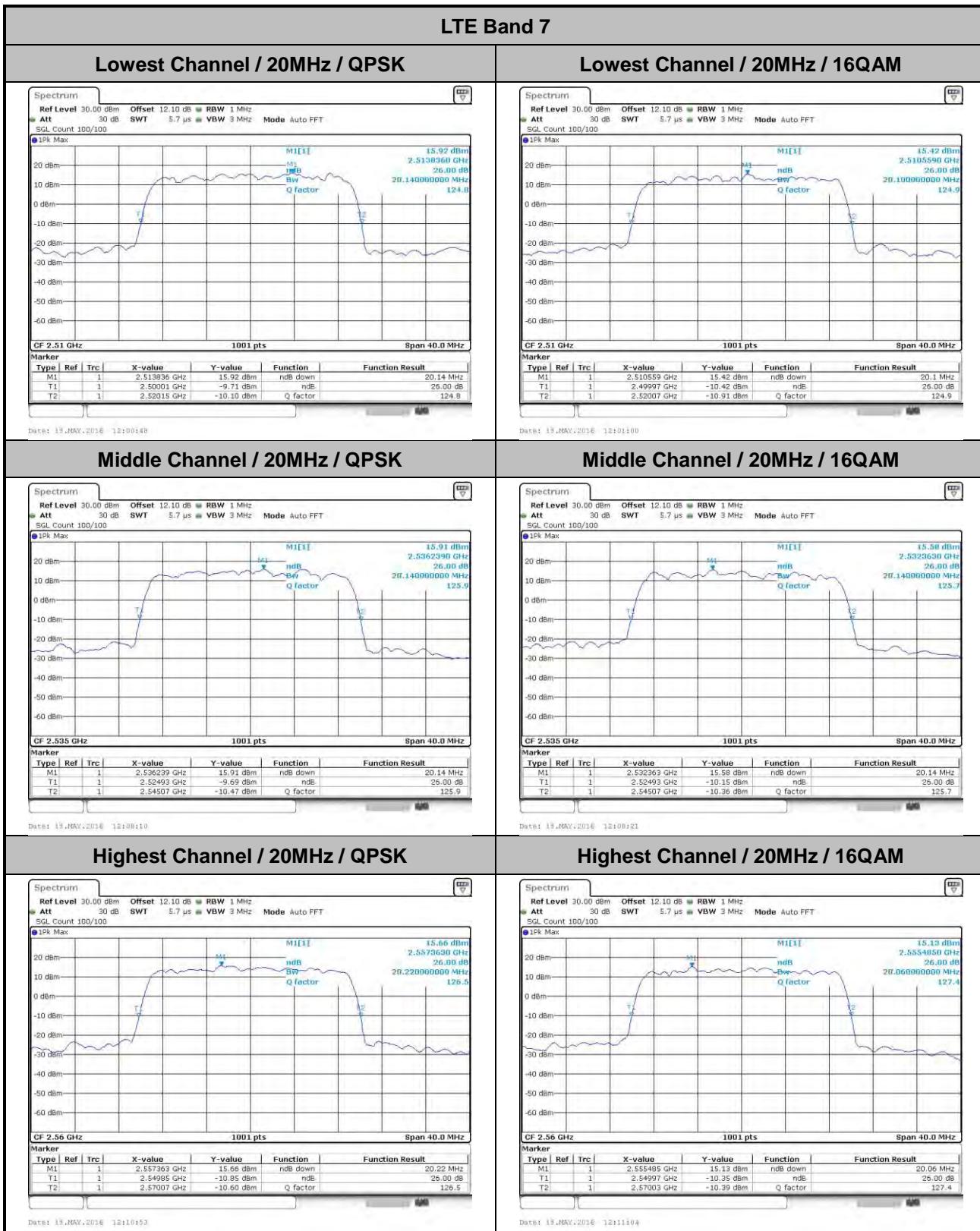
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.91	4.90	9.87	9.89	14.33	14.51	20.14	20.10
Middle CH	-	-	-	-	4.93	4.99	9.89	9.81	14.33	14.69	20.14	20.14
Highest CH	-	-	-	-	4.95	4.86	9.91	9.77	14.21	14.33	20.22	20.06



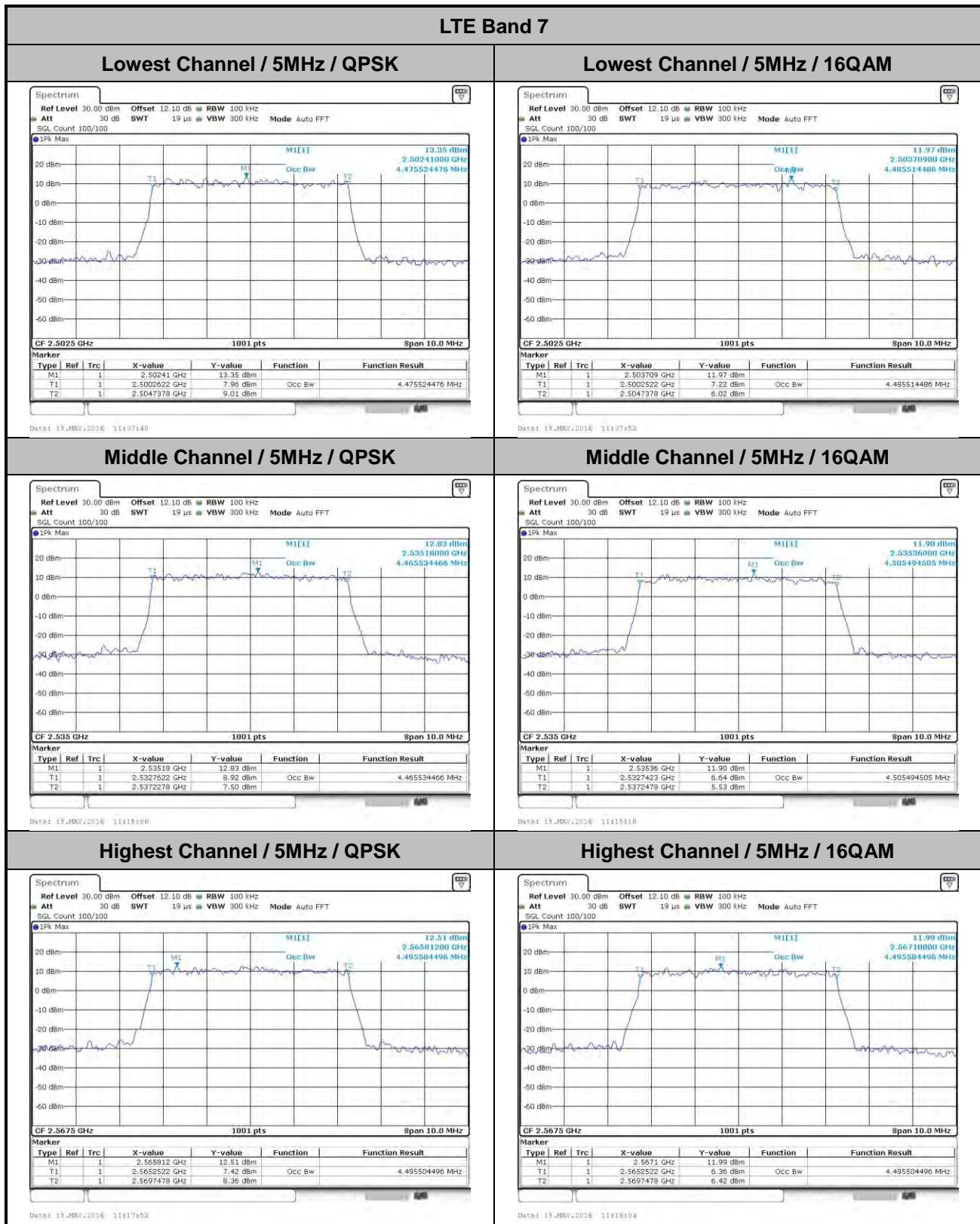


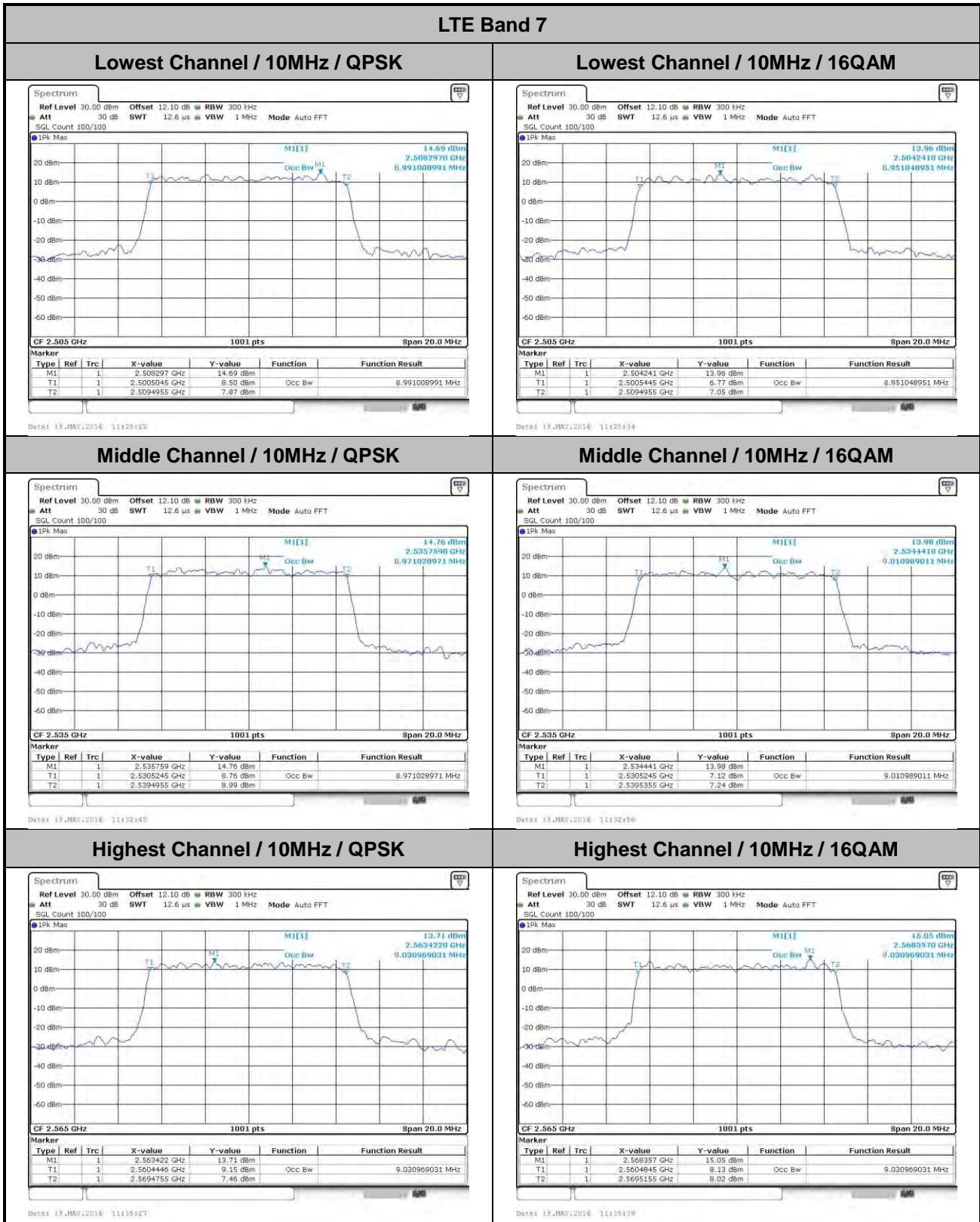


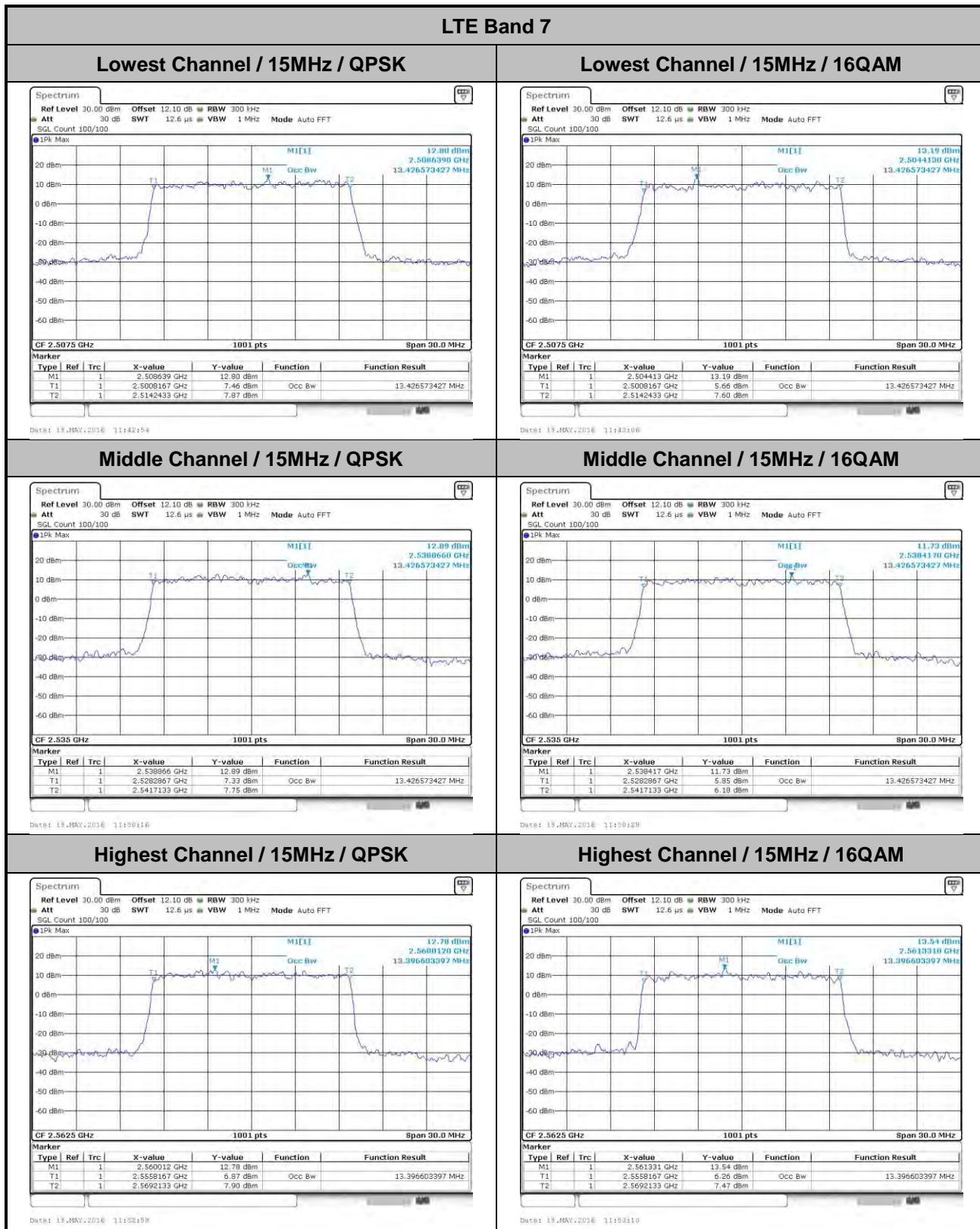


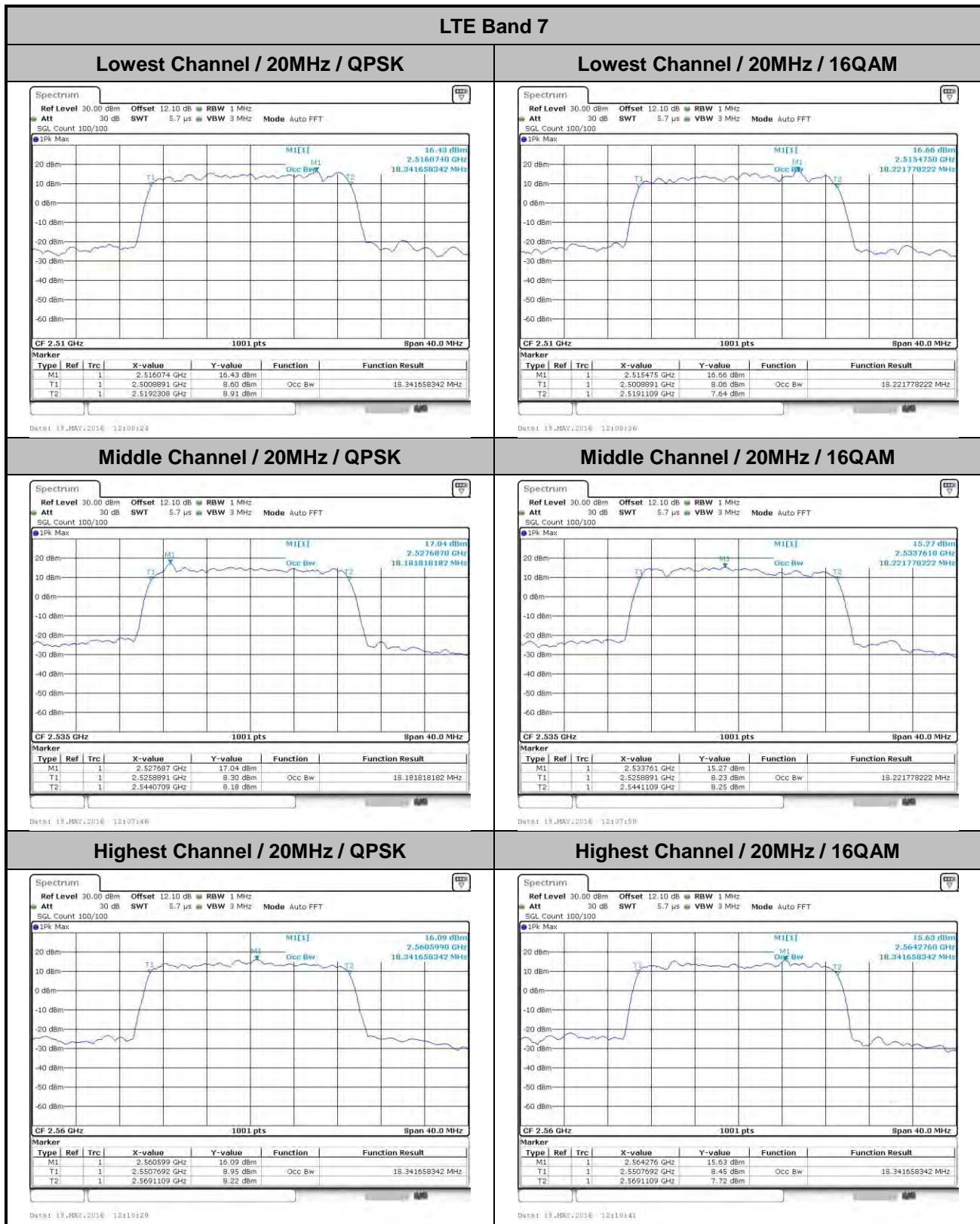
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.48	4.49	8.99	8.95	13.43	13.43	18.34	18.22
Middle CH	-	-	-	-	4.47	4.51	8.97	9.01	13.43	13.43	18.18	18.22
Highest CH	-	-	-	-	4.50	4.50	9.03	9.03	13.40	13.40	18.34	18.34



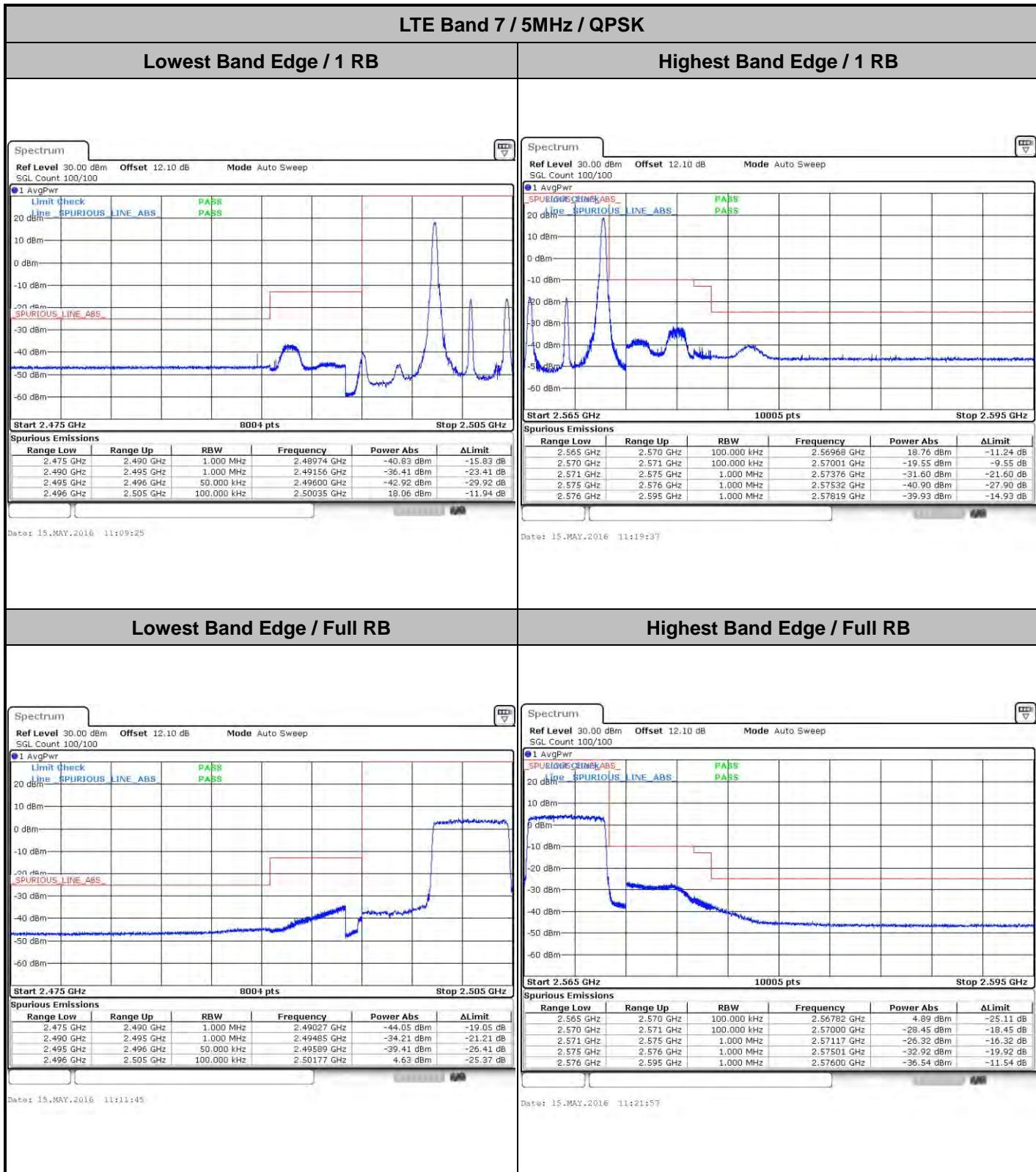


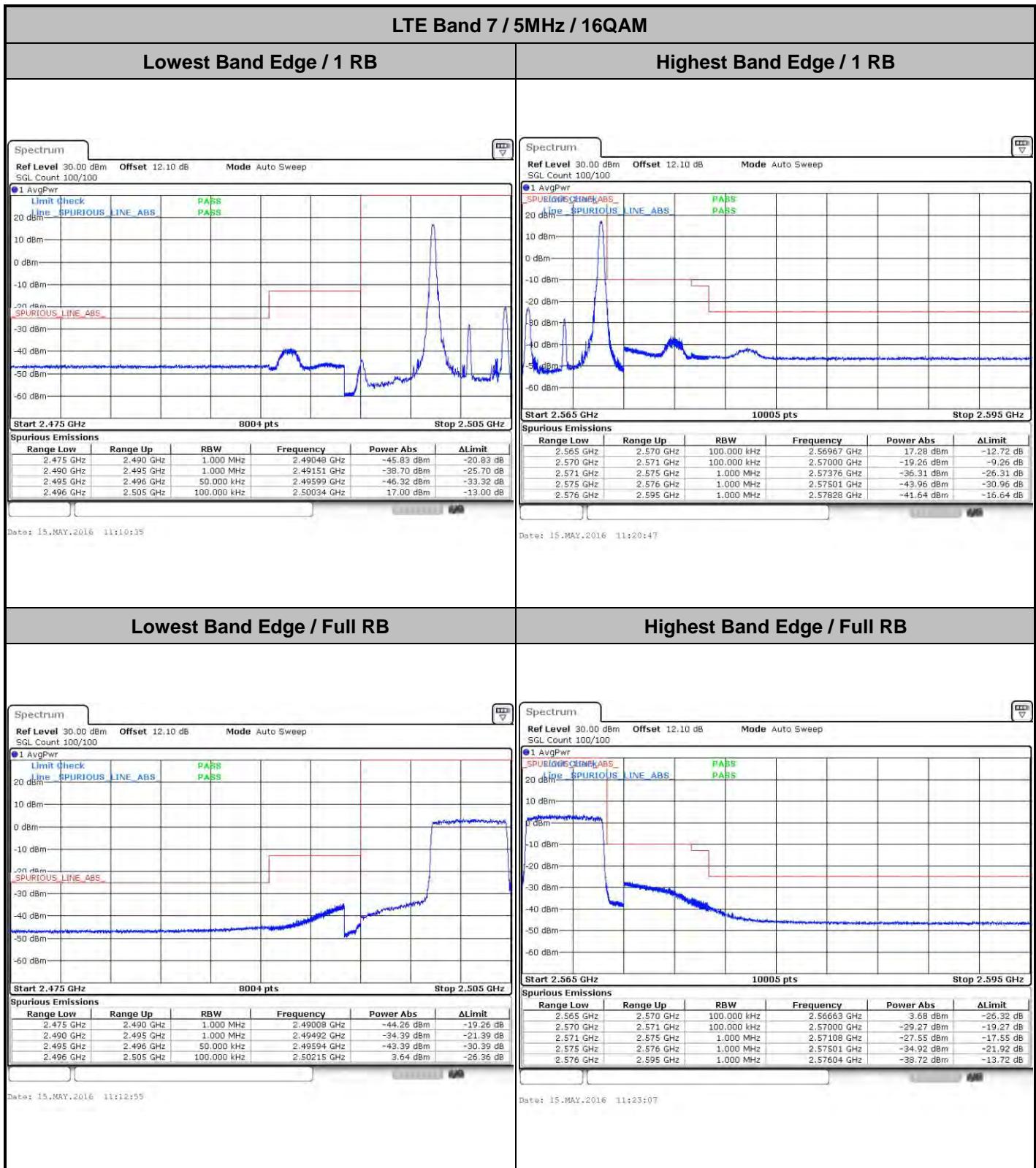


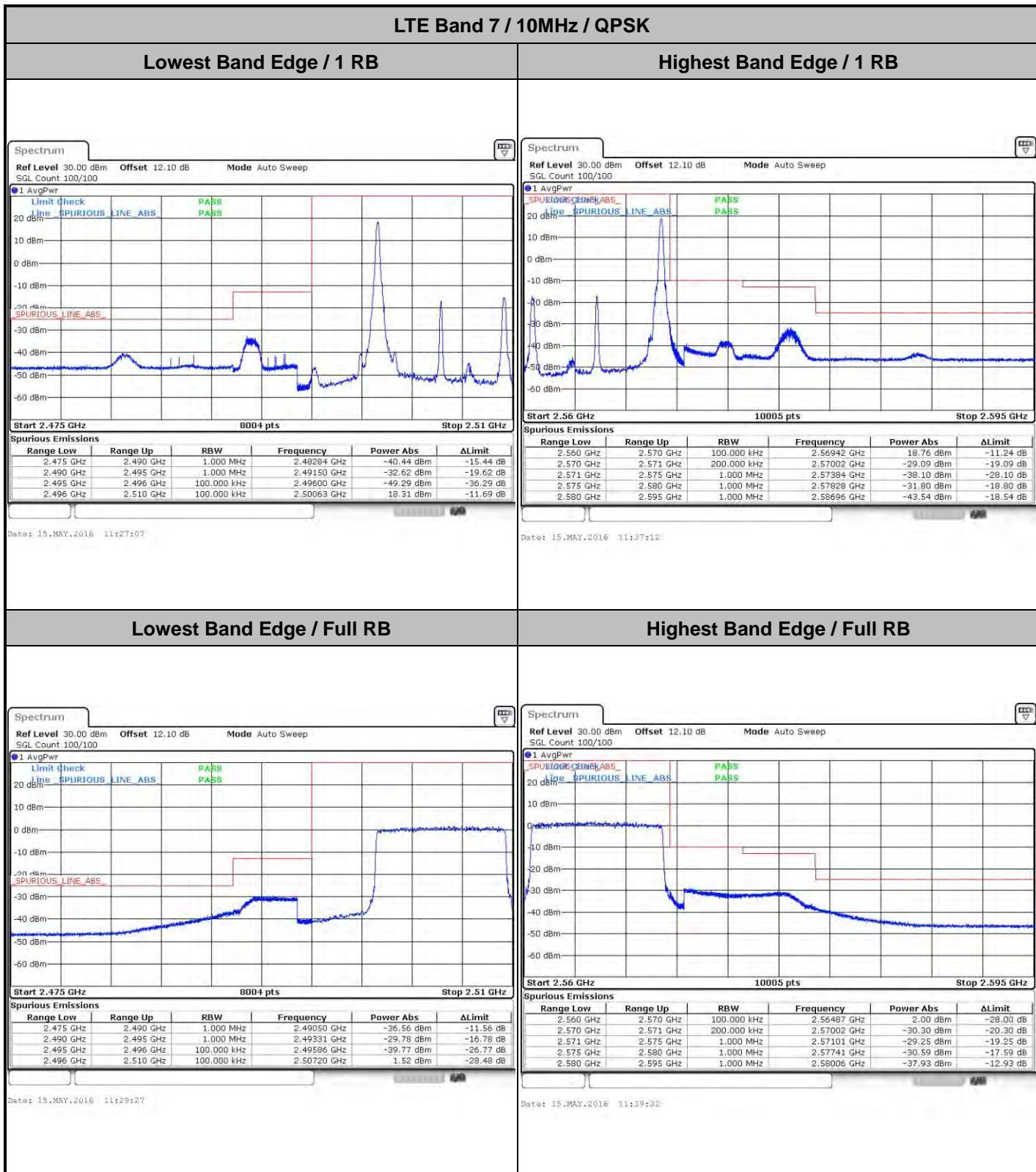


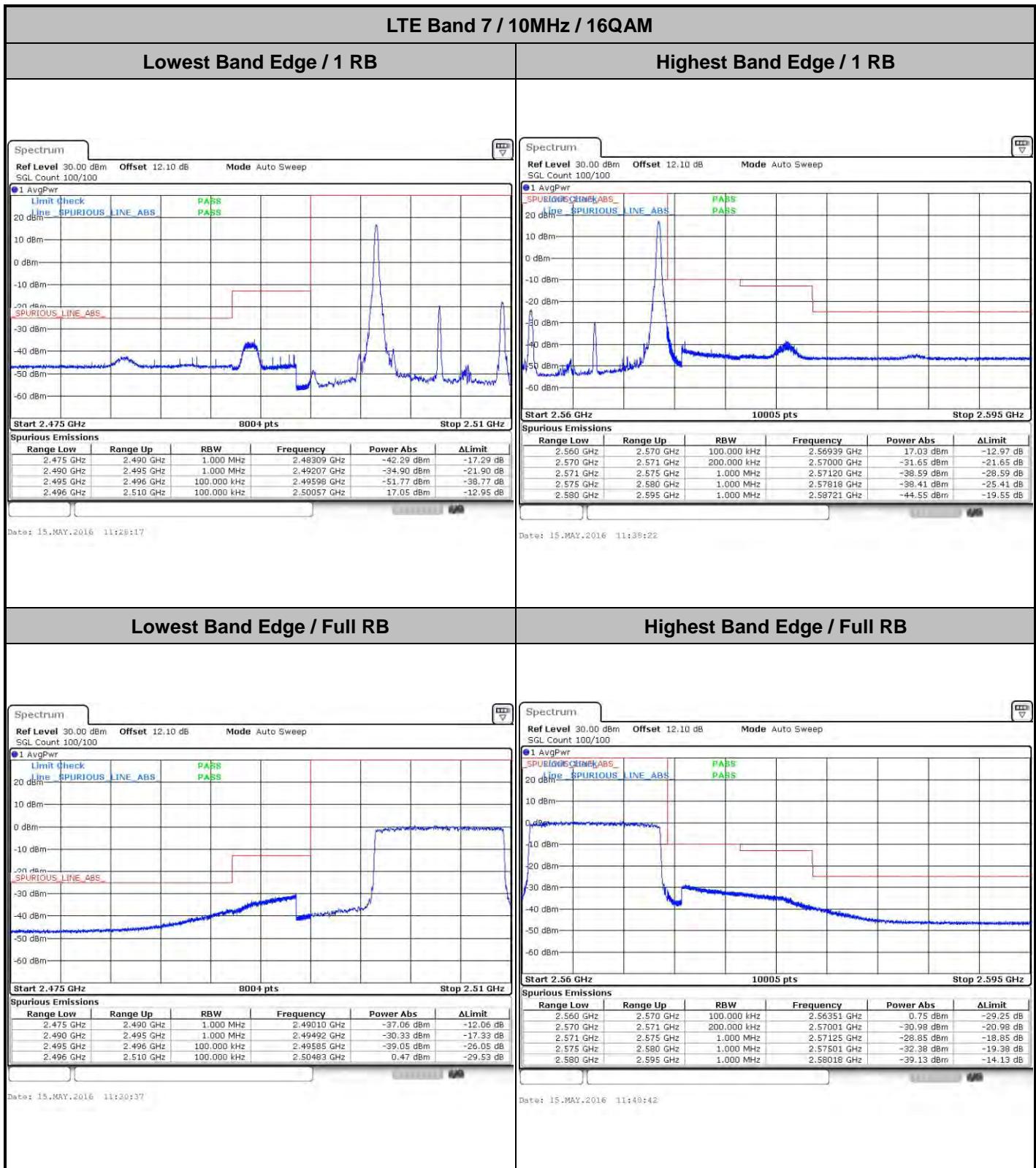


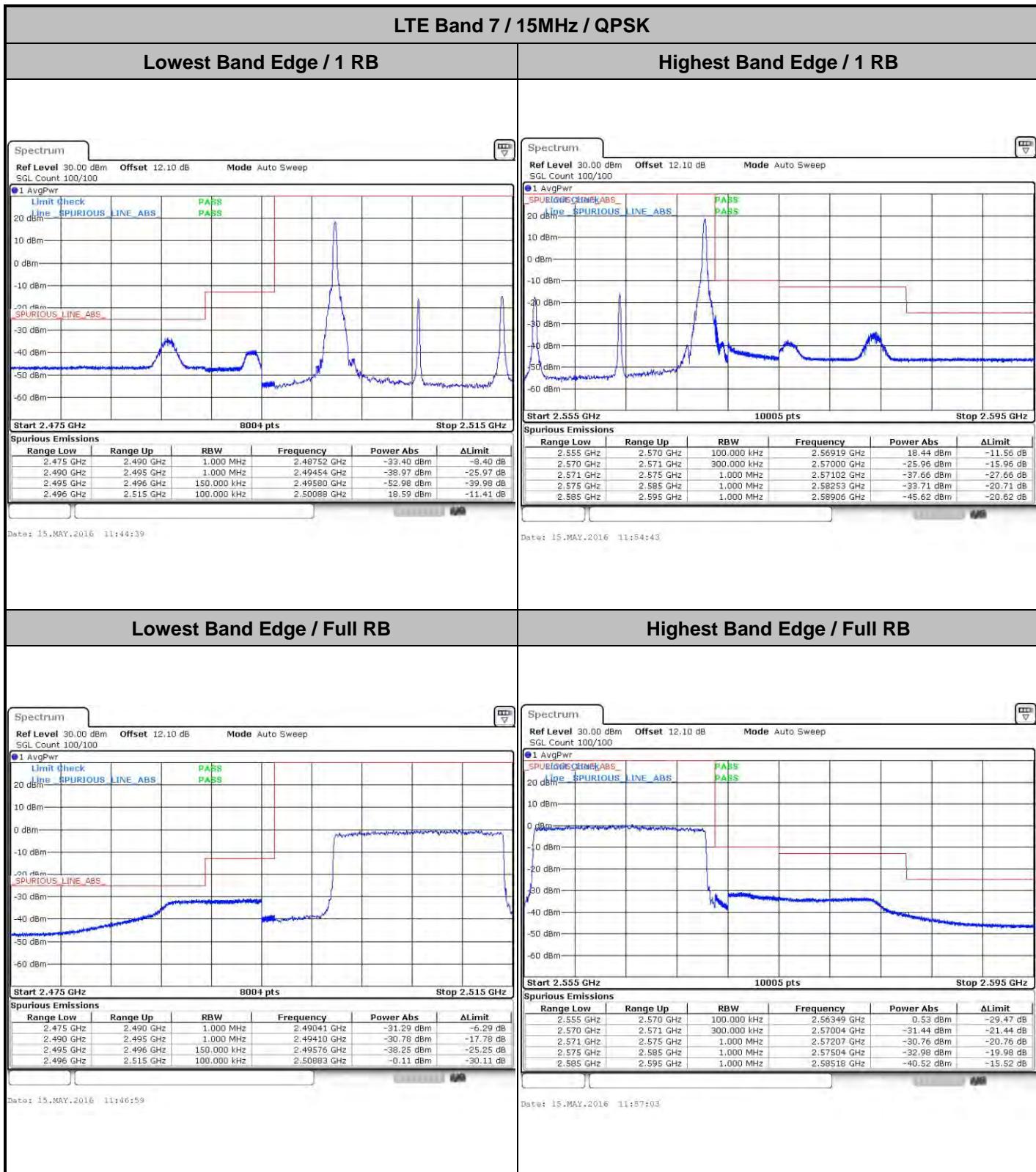
## Conducted Band Edge

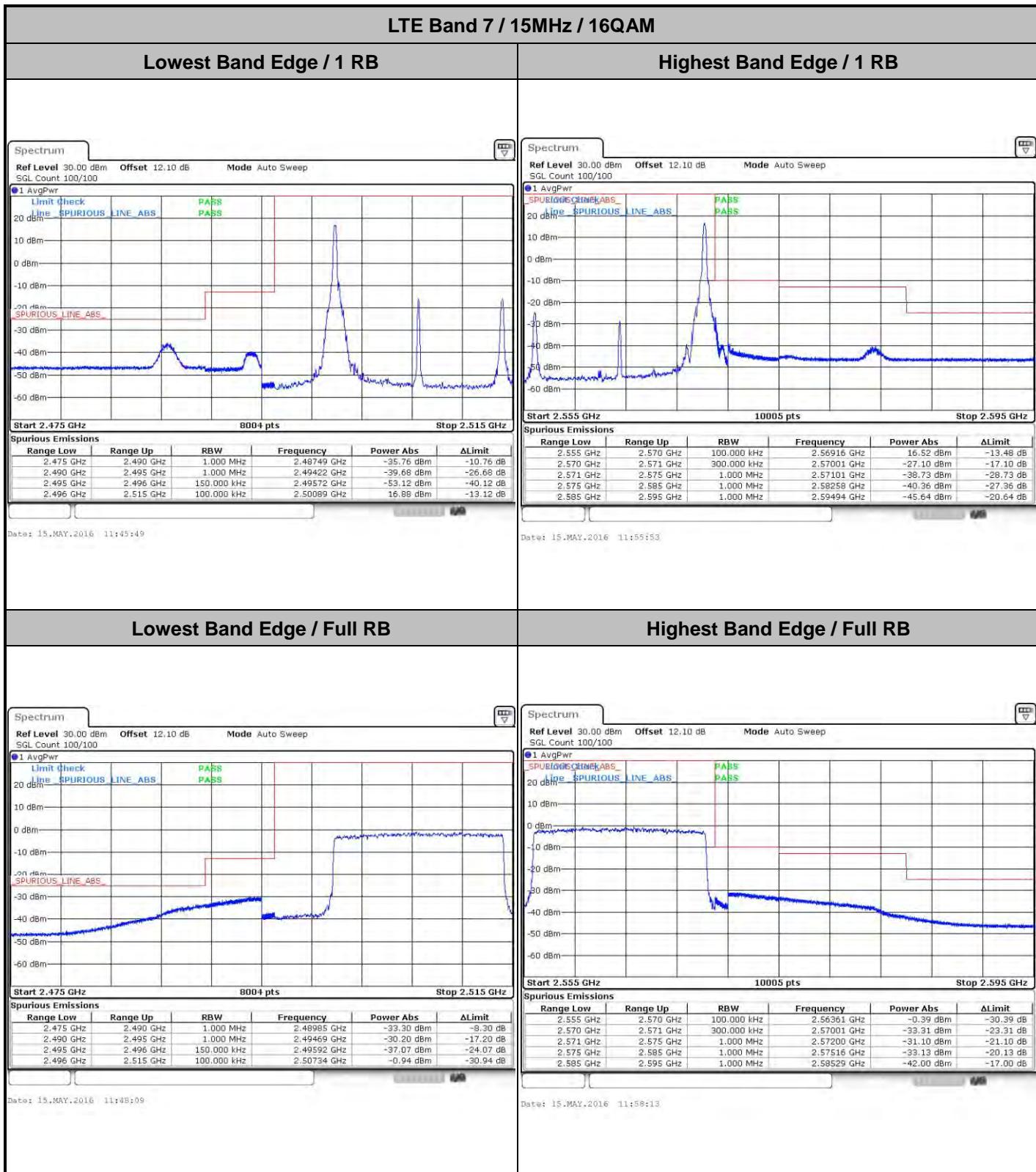


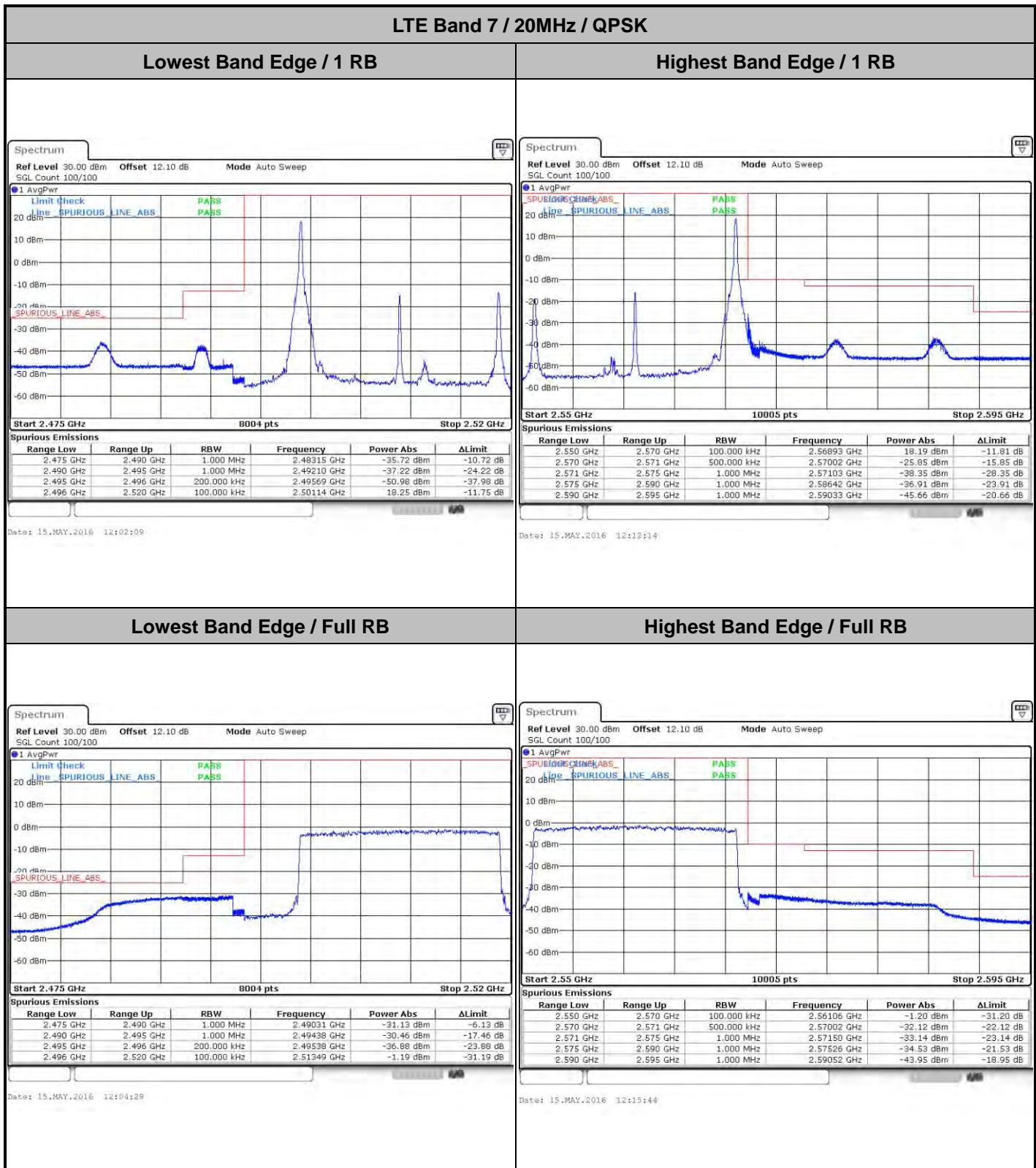


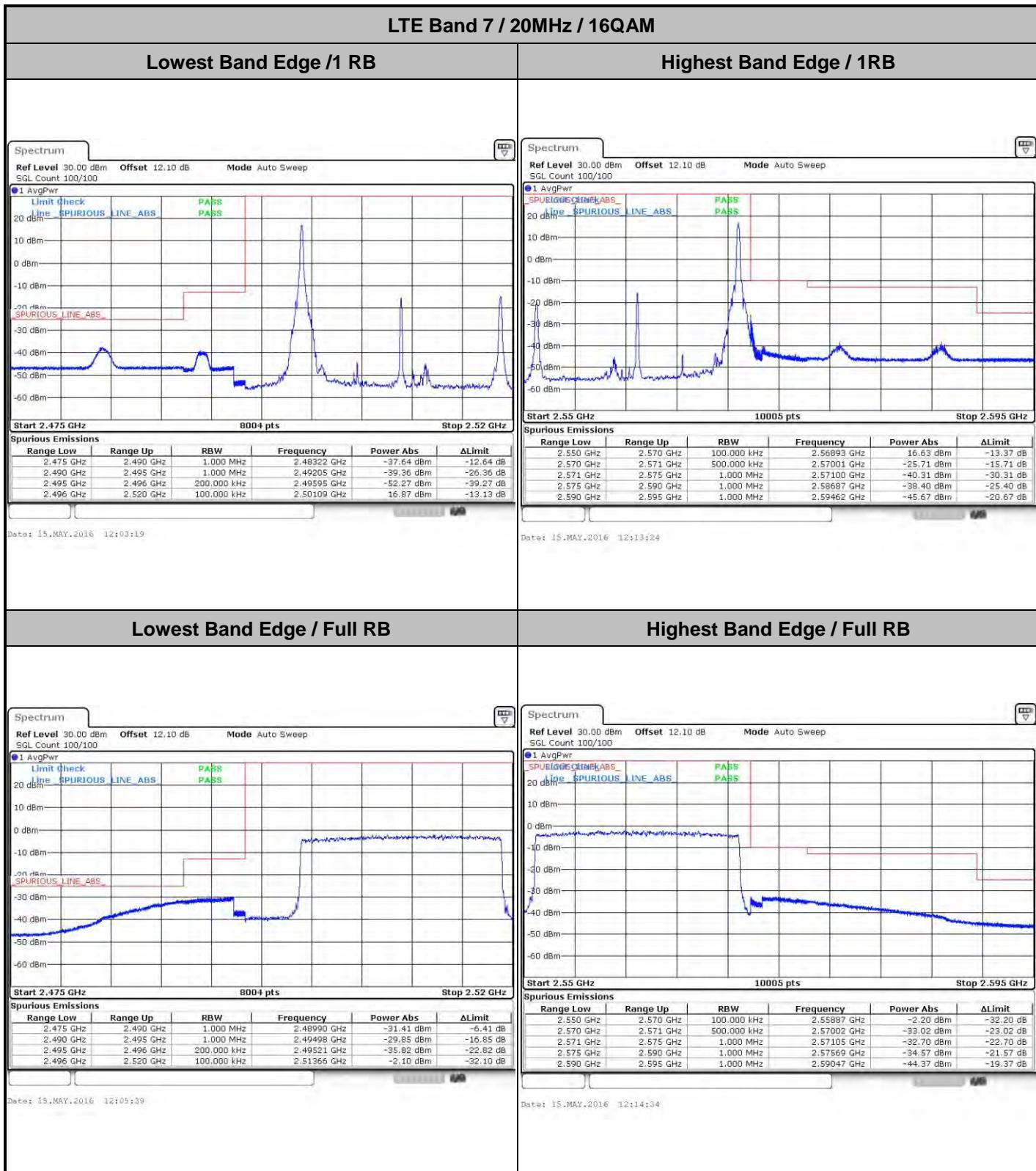












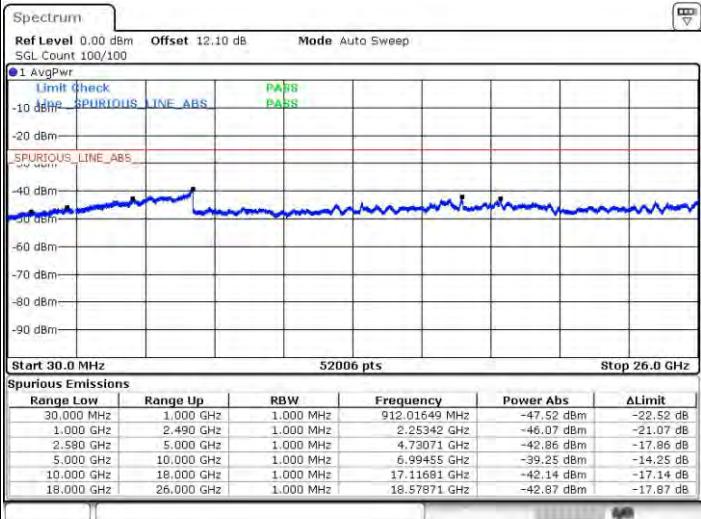
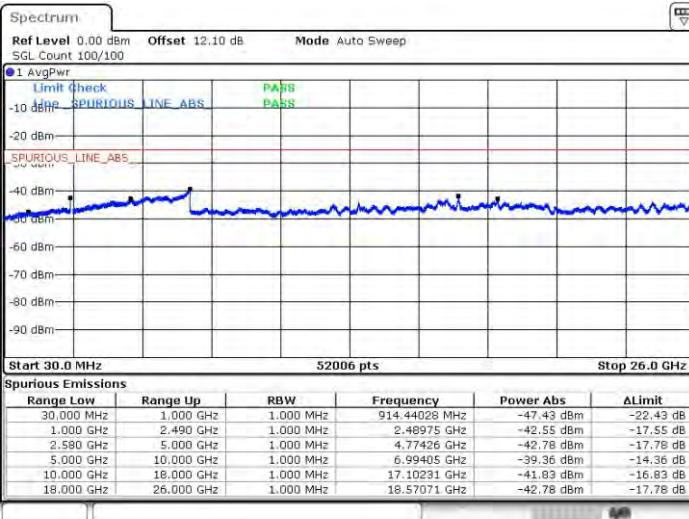


## Conducted Spurious Emission

### LTE Band 7 / 5MHz

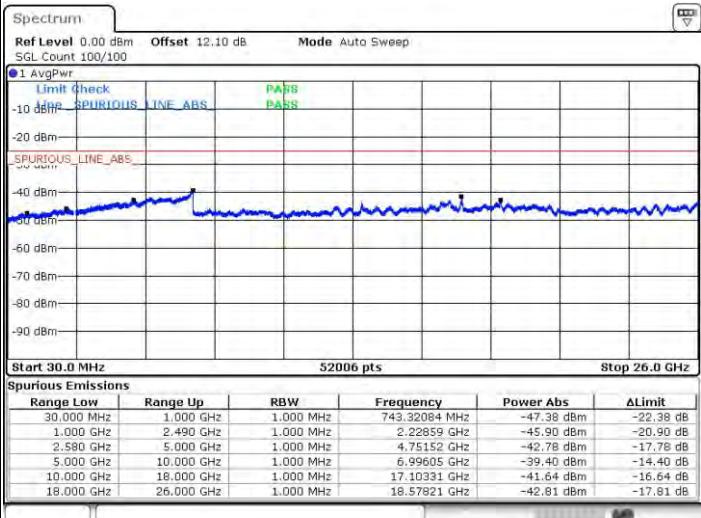
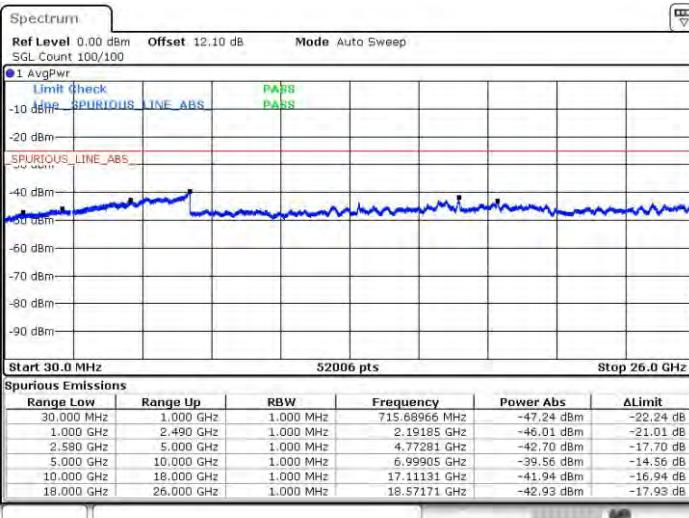
#### Lowest Channel / QPSK

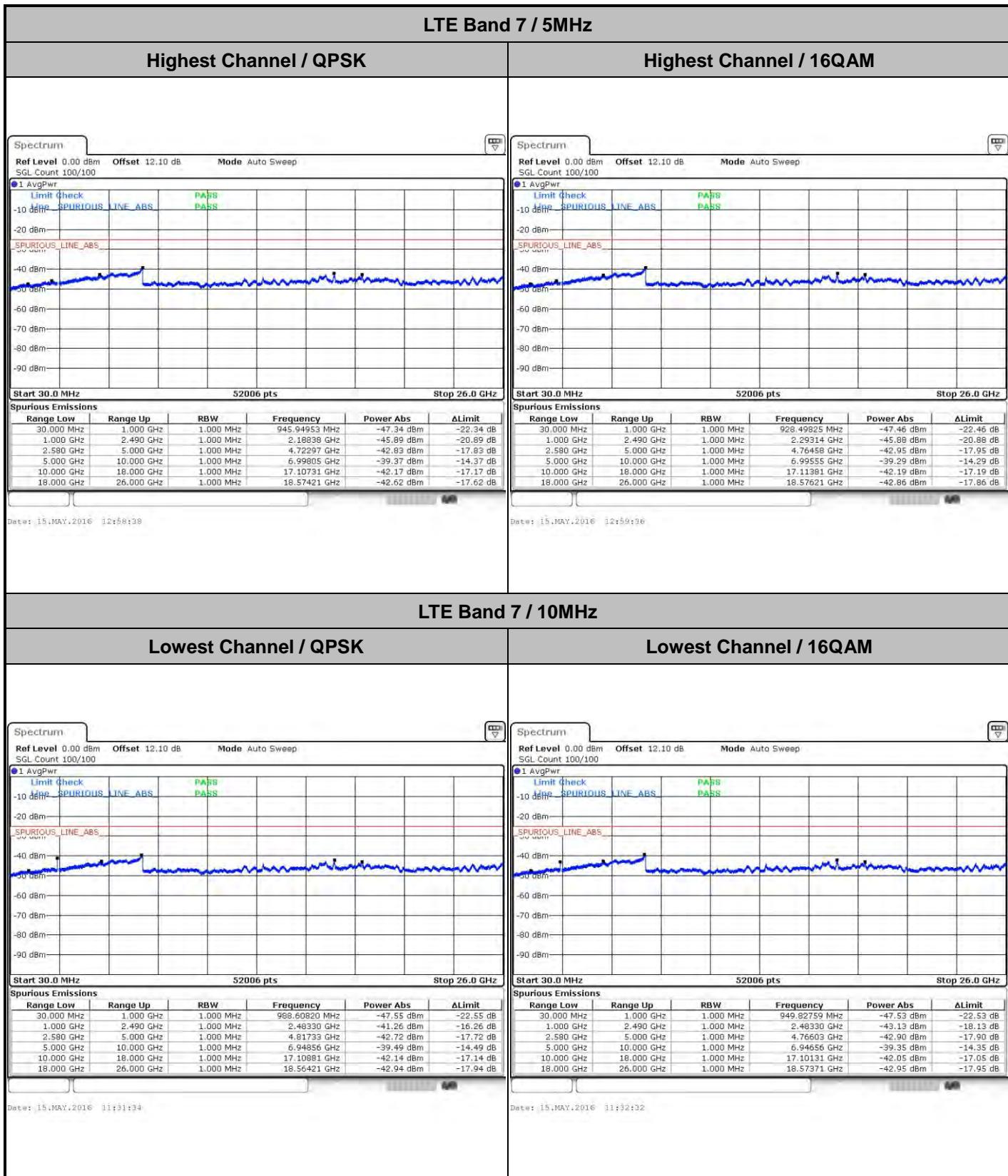
#### Lowest Channel / 16QAM

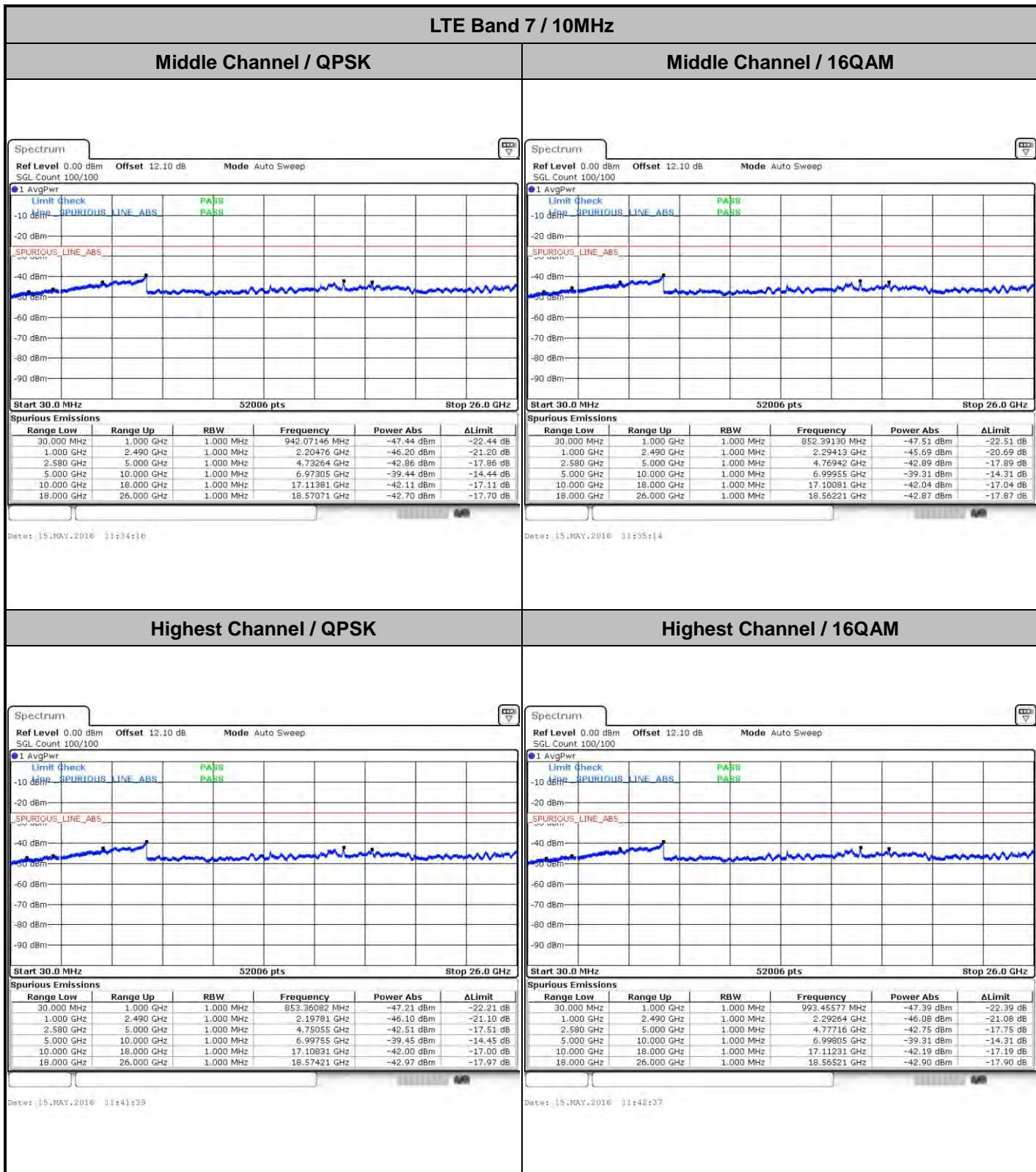


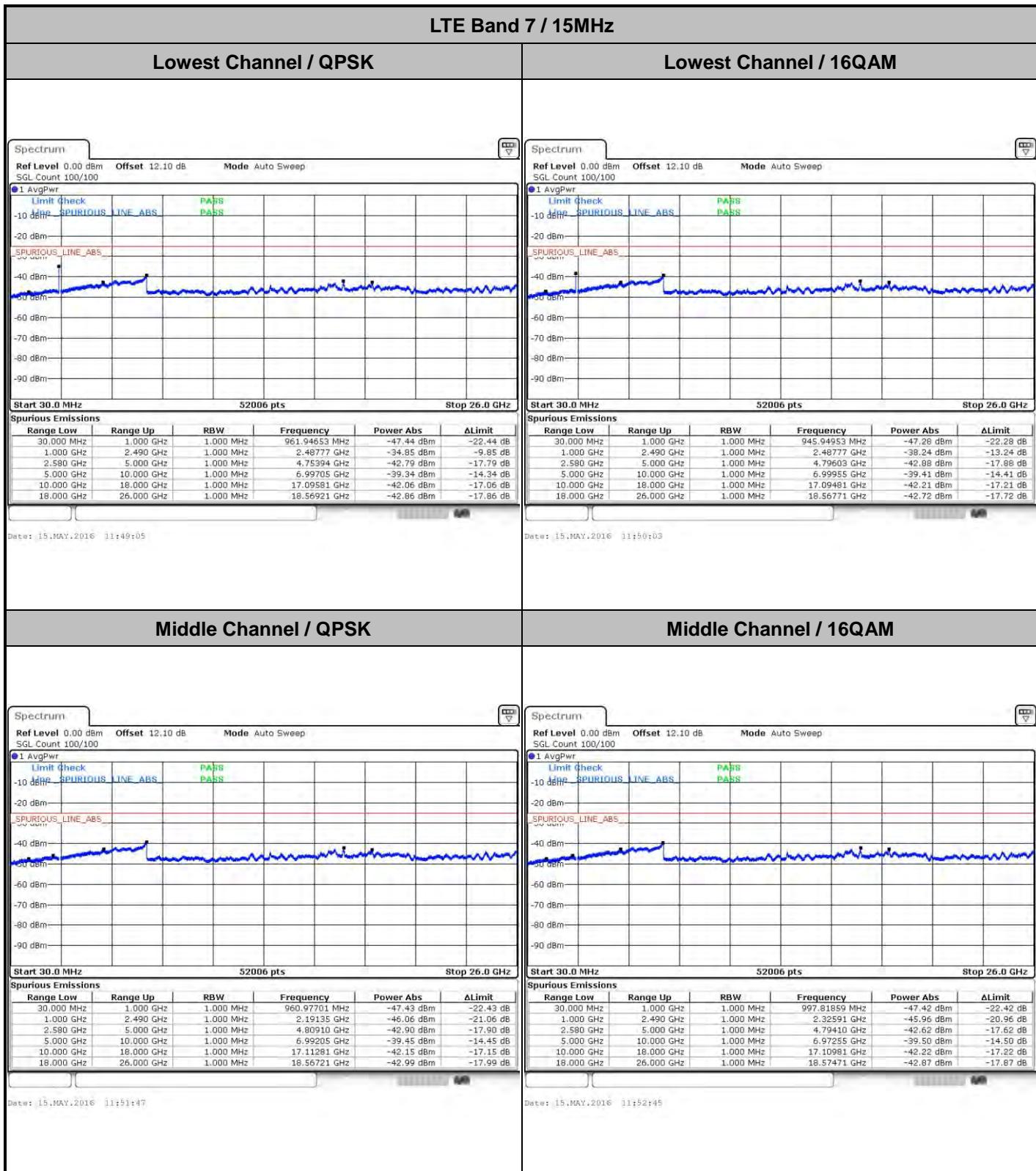
#### Middle Channel / QPSK

#### Middle Channel / 16QAM







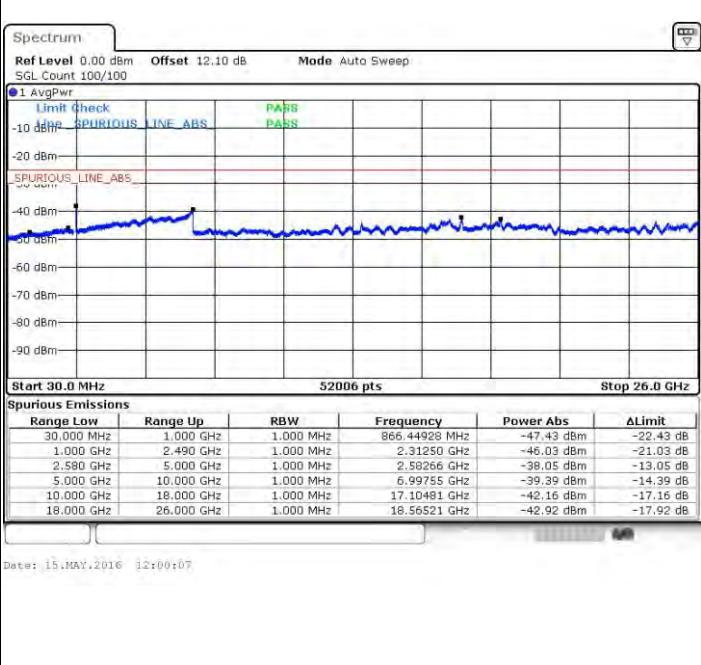
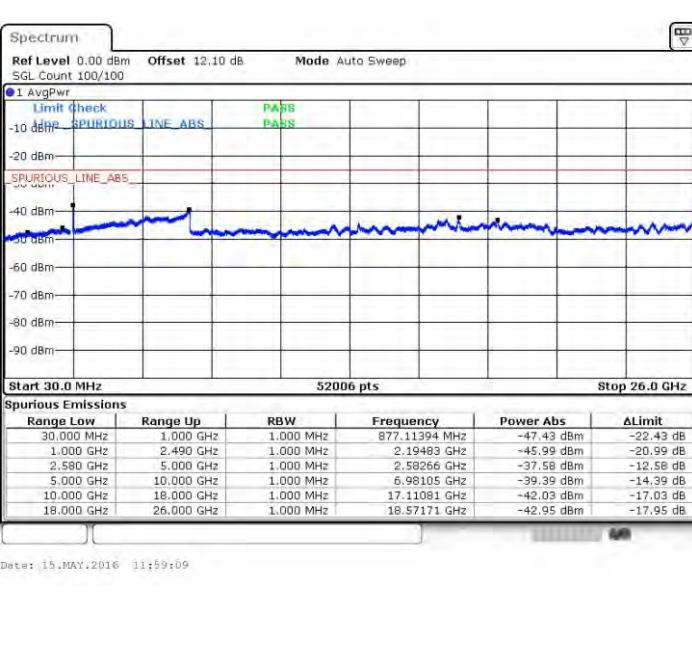




## LTE Band7 / 15MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



## LTE Band 7 / 20MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM

