

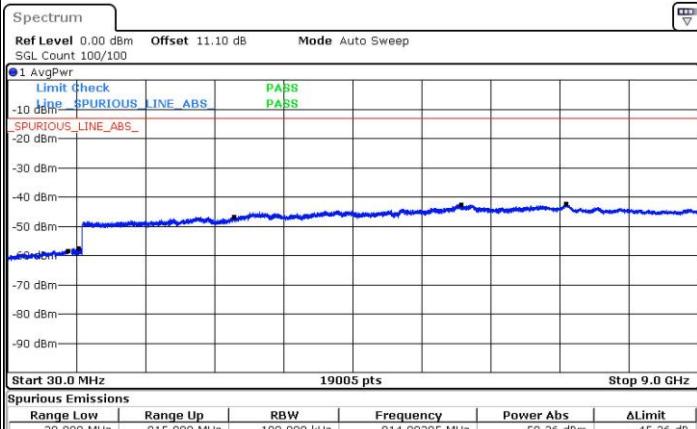
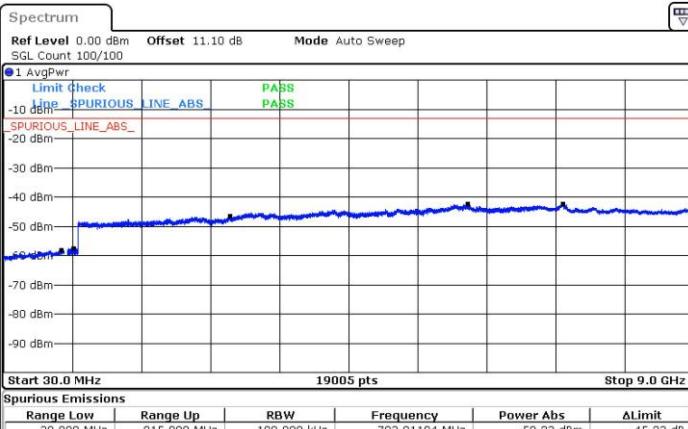


## Conducted Spurious Emission

### LTE Band 5 / 1.4MHz

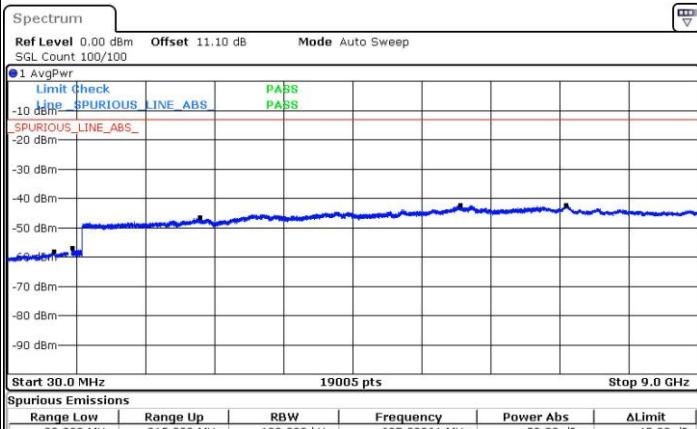
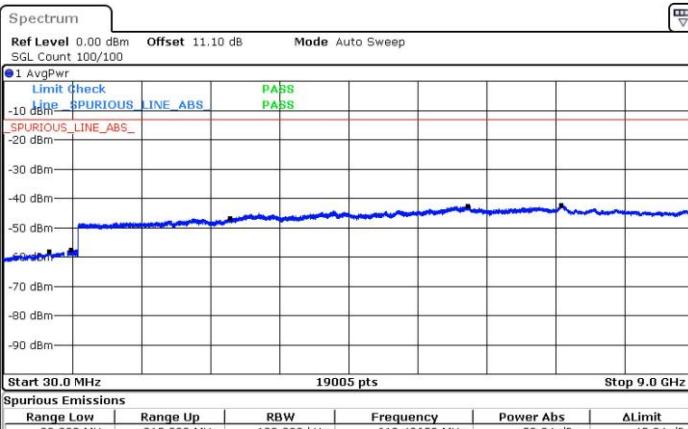
#### Lowest Channel / QPSK

#### Lowest Channel / 16QAM



#### Middle Channel / QPSK

#### Middle Channel / 16QAM



Date: 2.NOV.2018 00:13:52

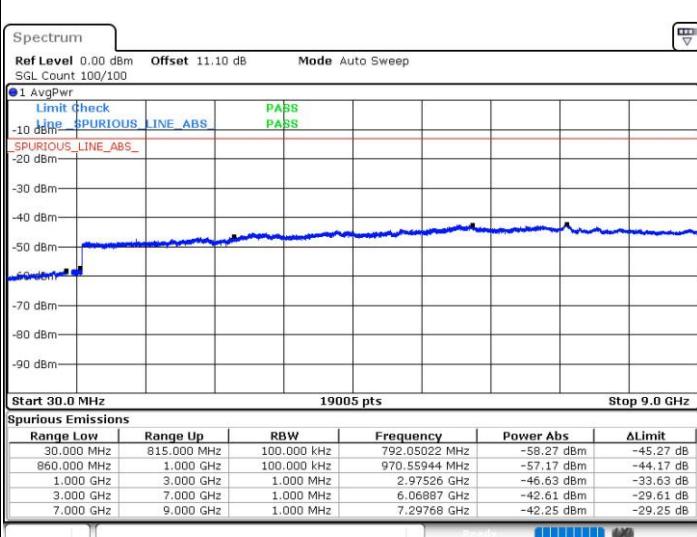
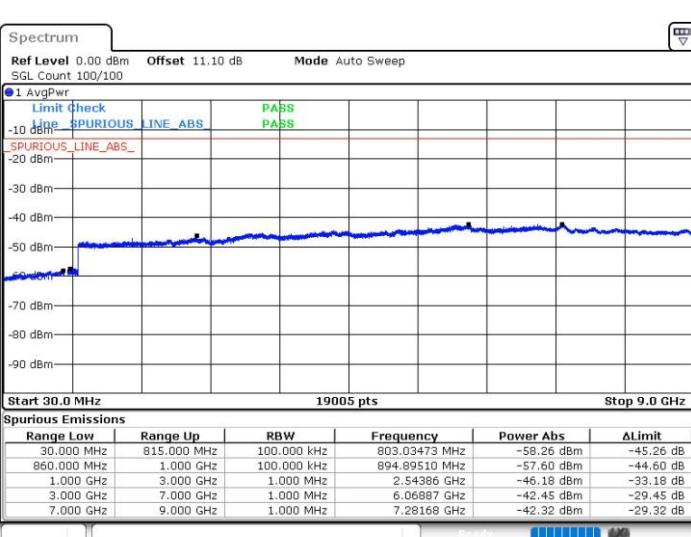
Date: 2.NOV.2018 00:15:01



## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK

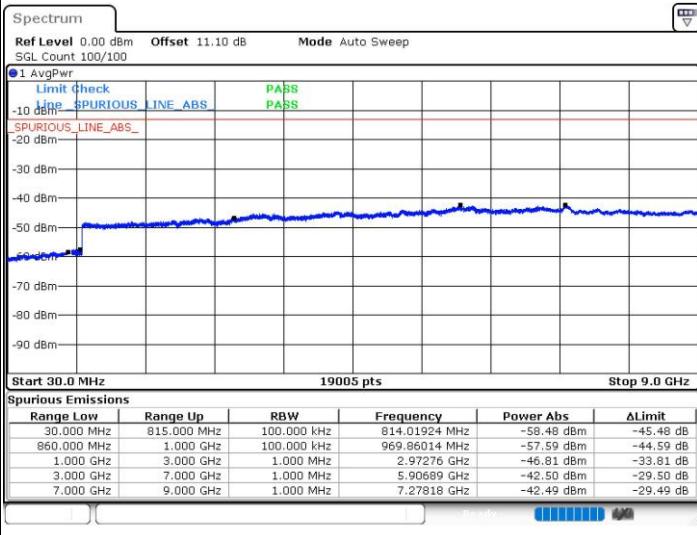
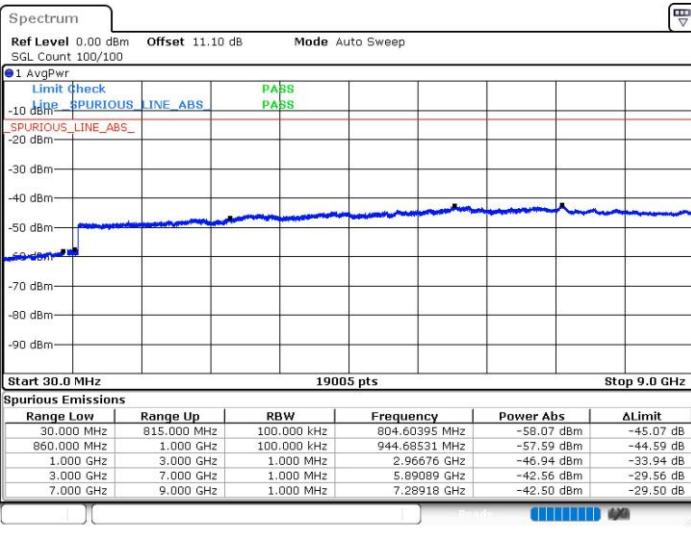
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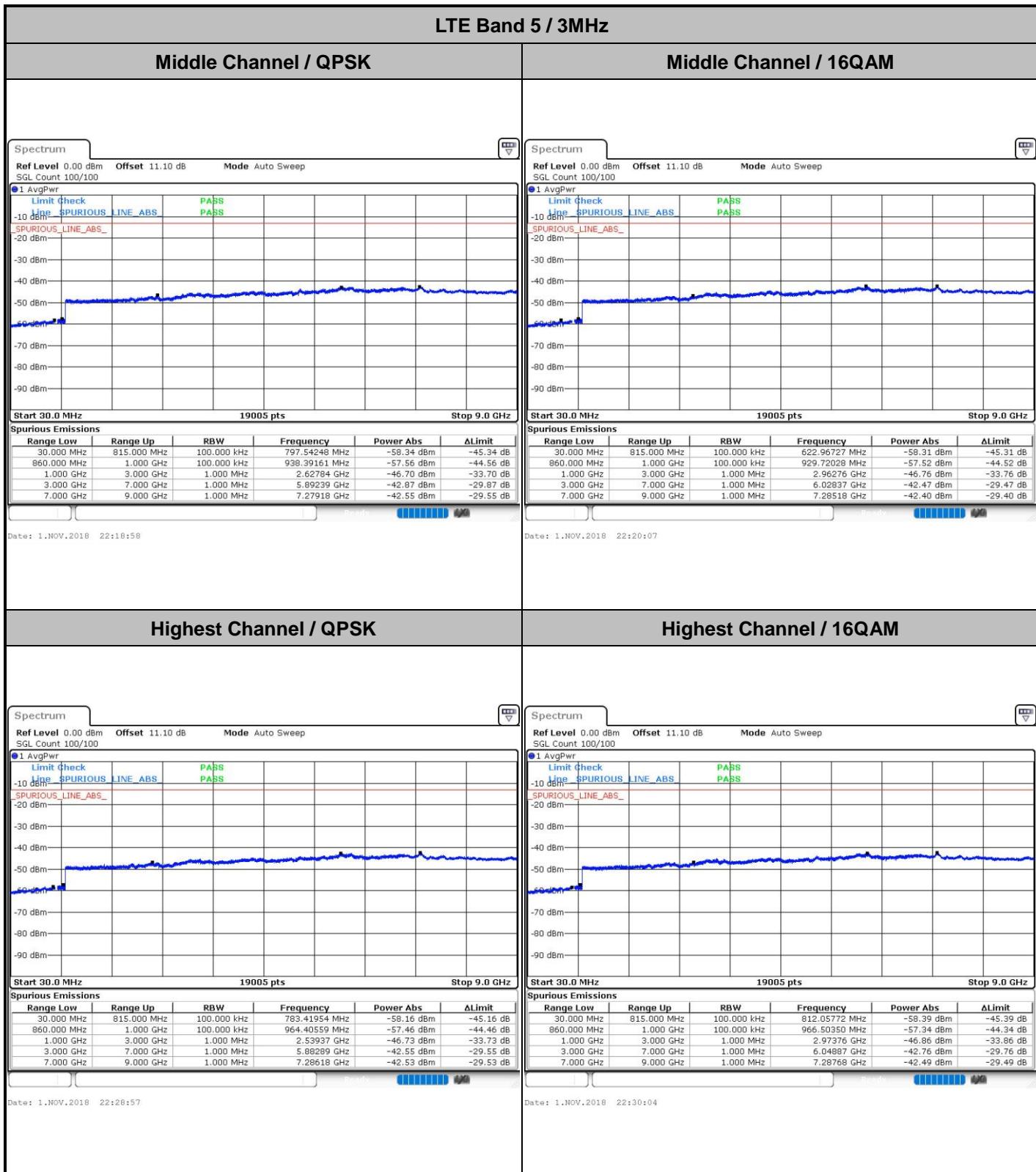


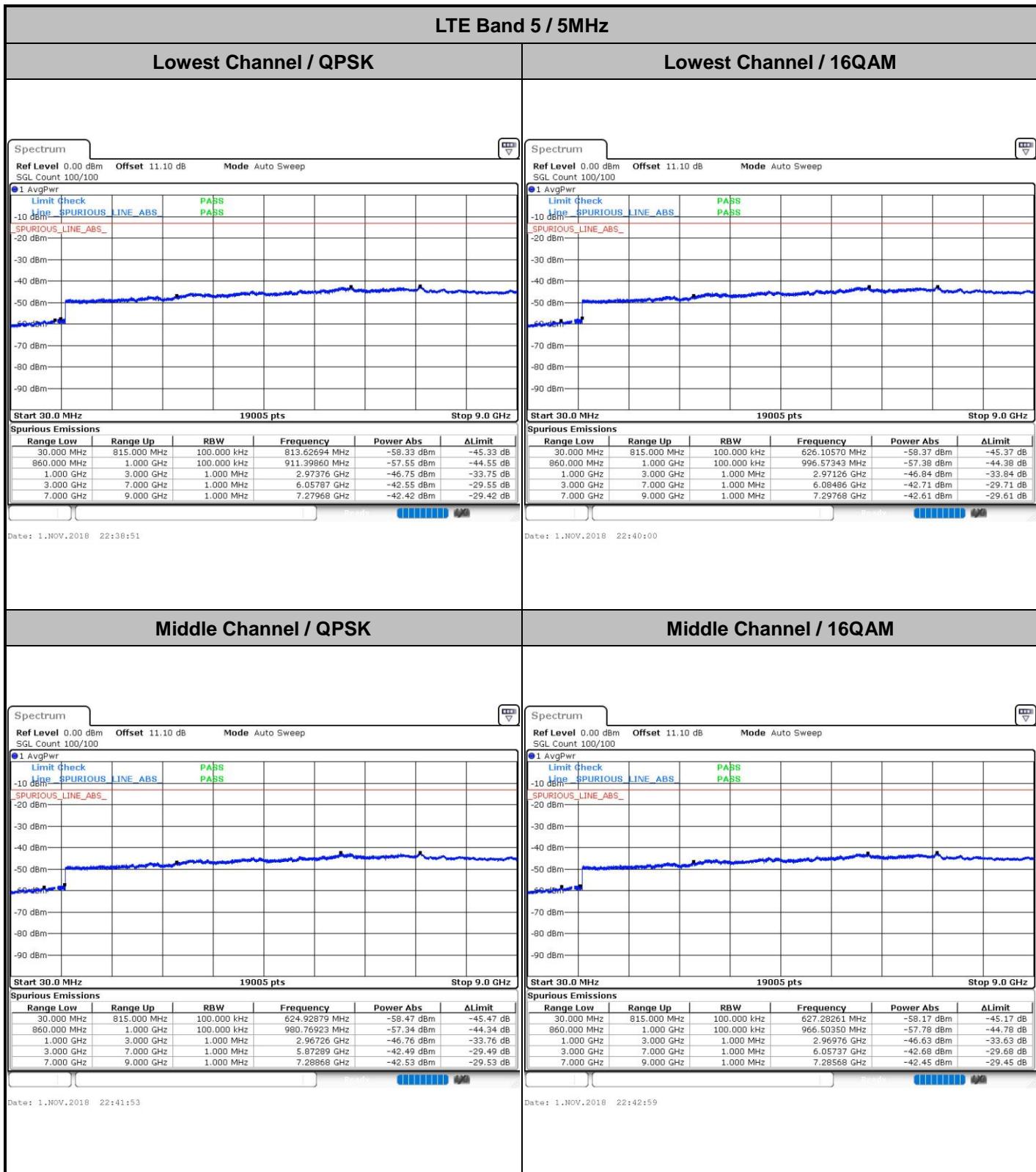
## LTE Band 5 / 3MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM





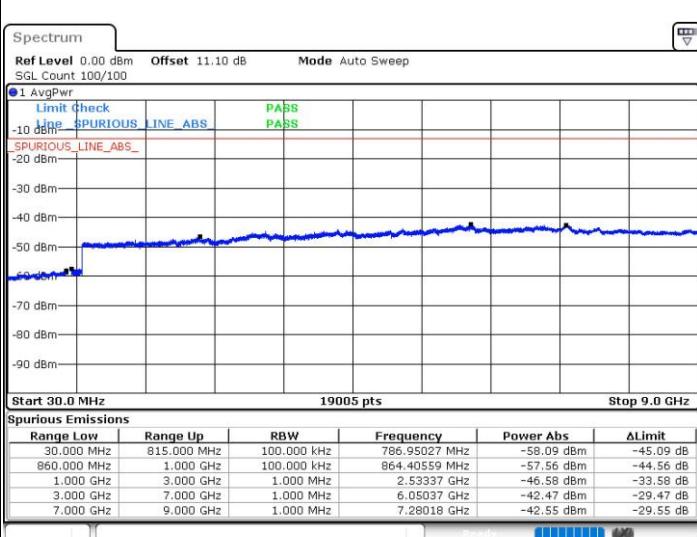
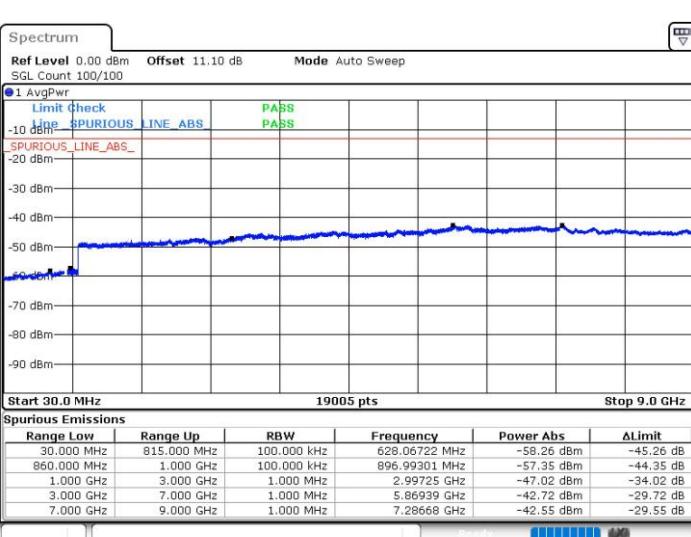




## LTE Band 5 / 5MHz

## Highest Channel / QPSK

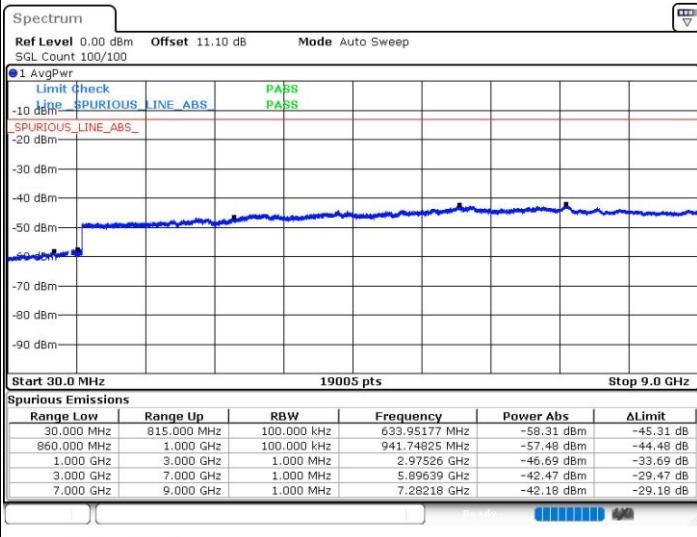
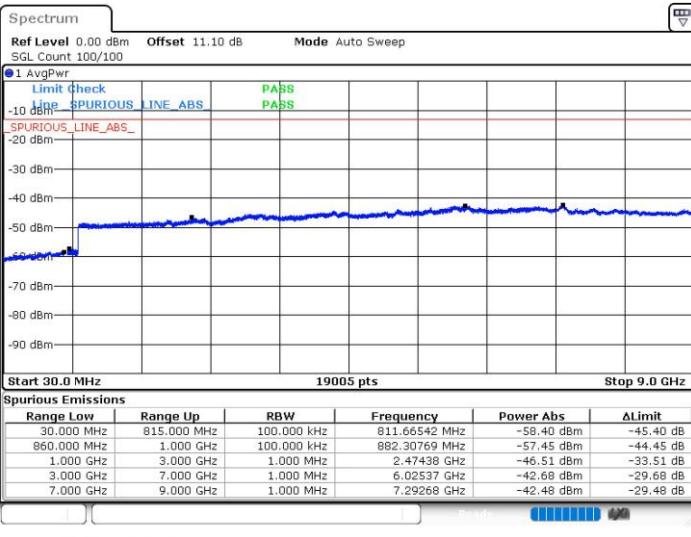
## Highest Channel / 16QAM

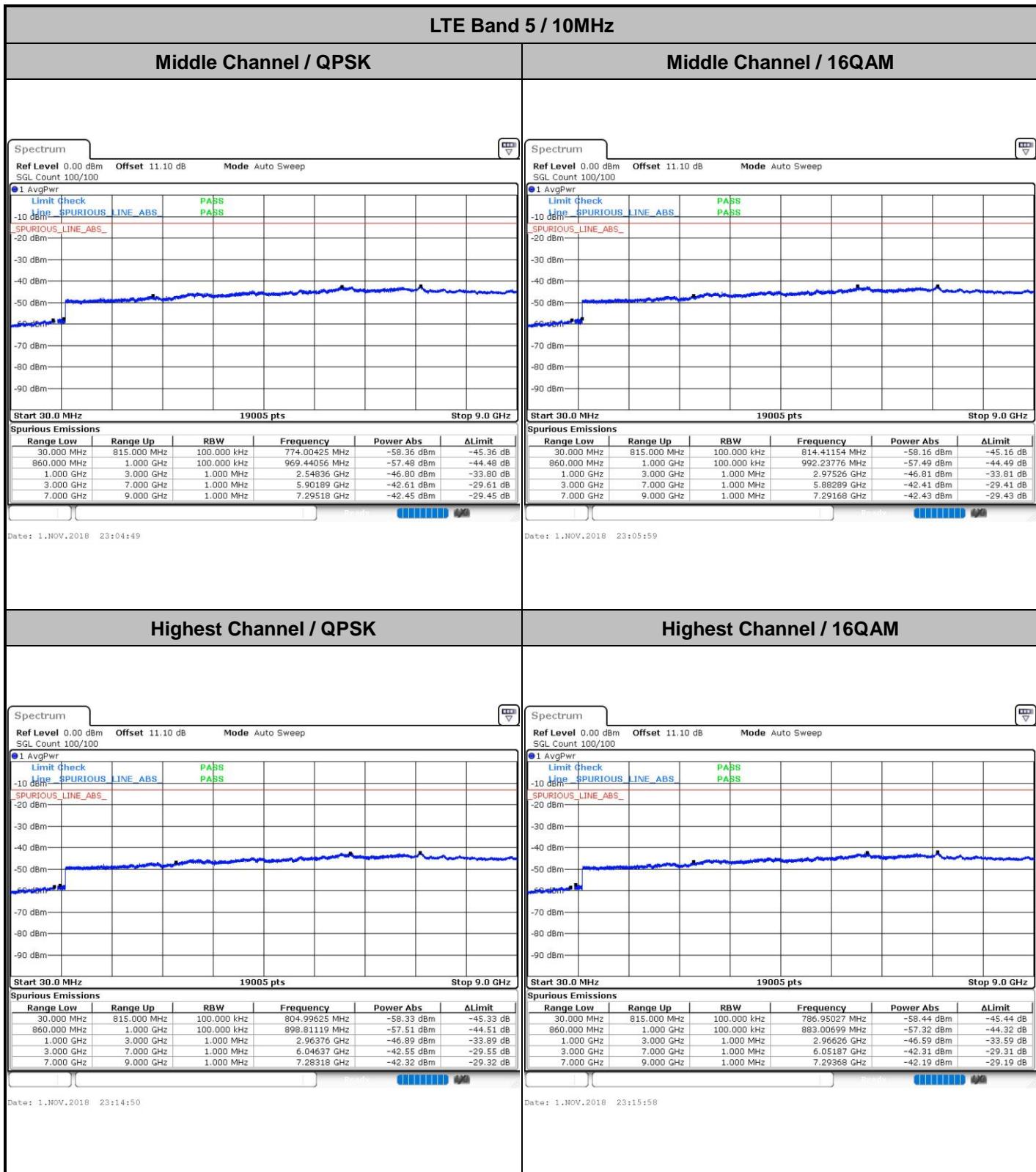


## LTE Band 5 / 10MHz

## 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	0.0110	PASS
40	Normal Voltage	0.0161	
30	Normal Voltage	0.0114	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0093	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0152	
20	Maximum Voltage	0.0126	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0175	

**Note:**

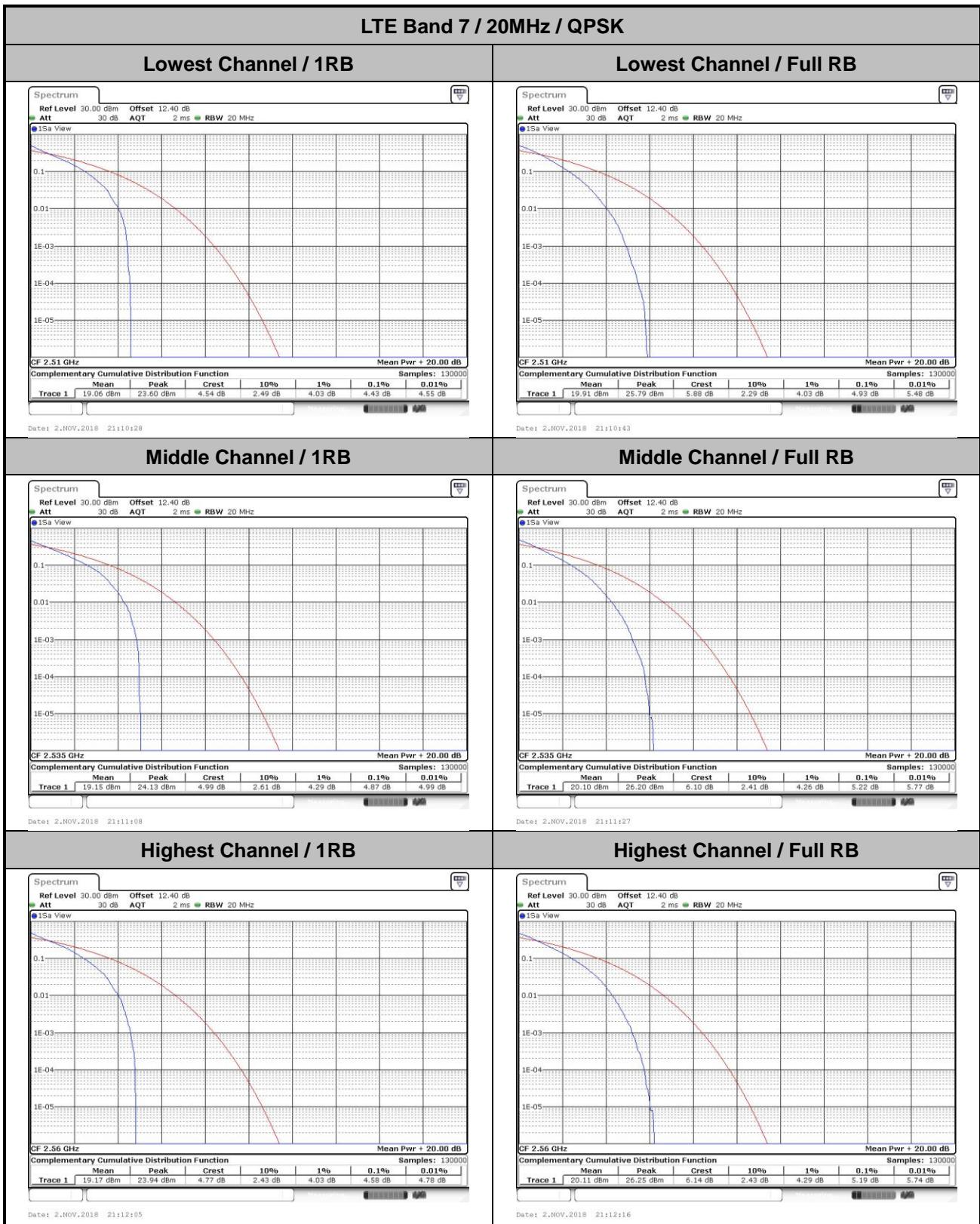
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

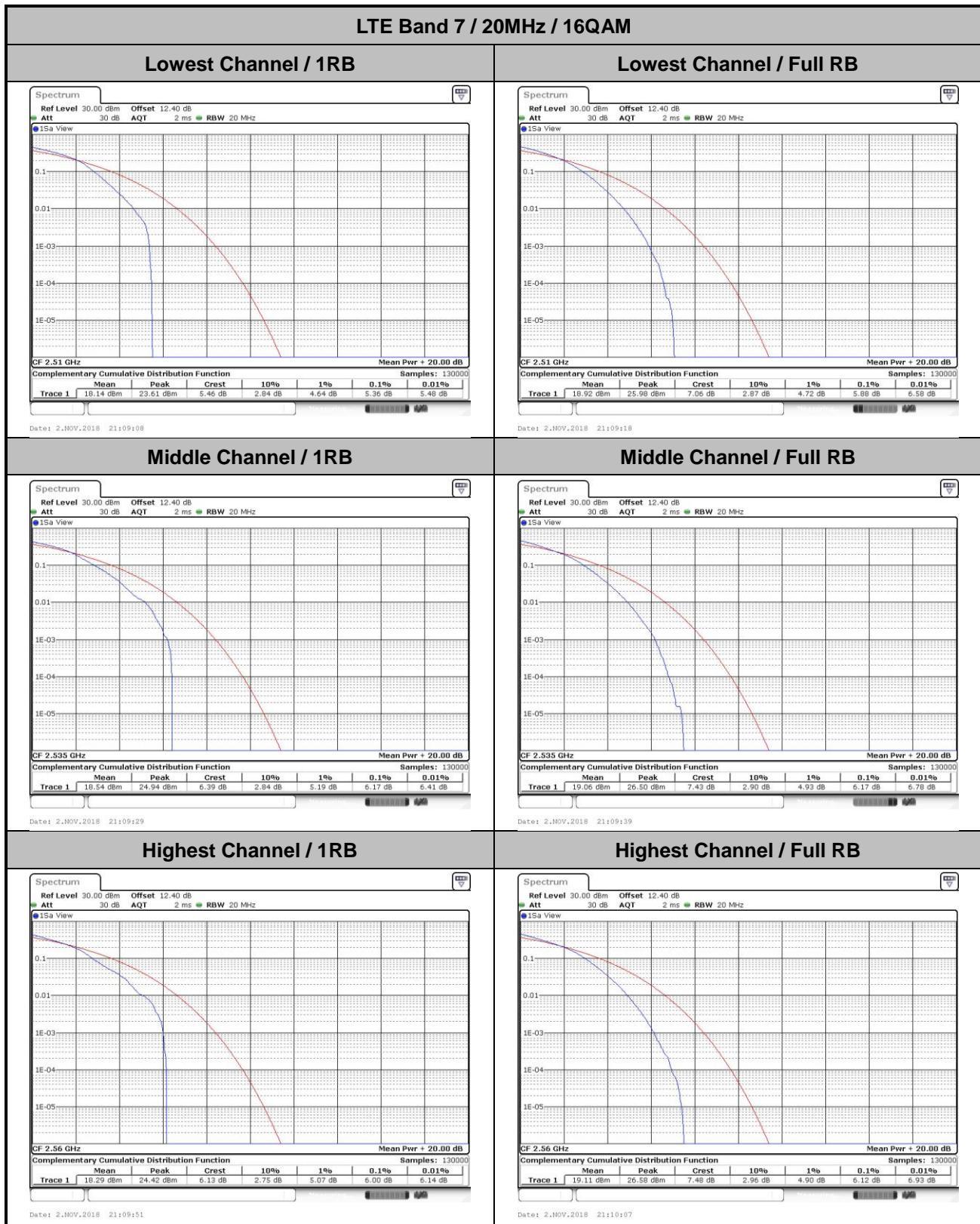


## LTE Band 7

### Peak-to-Average Ratio

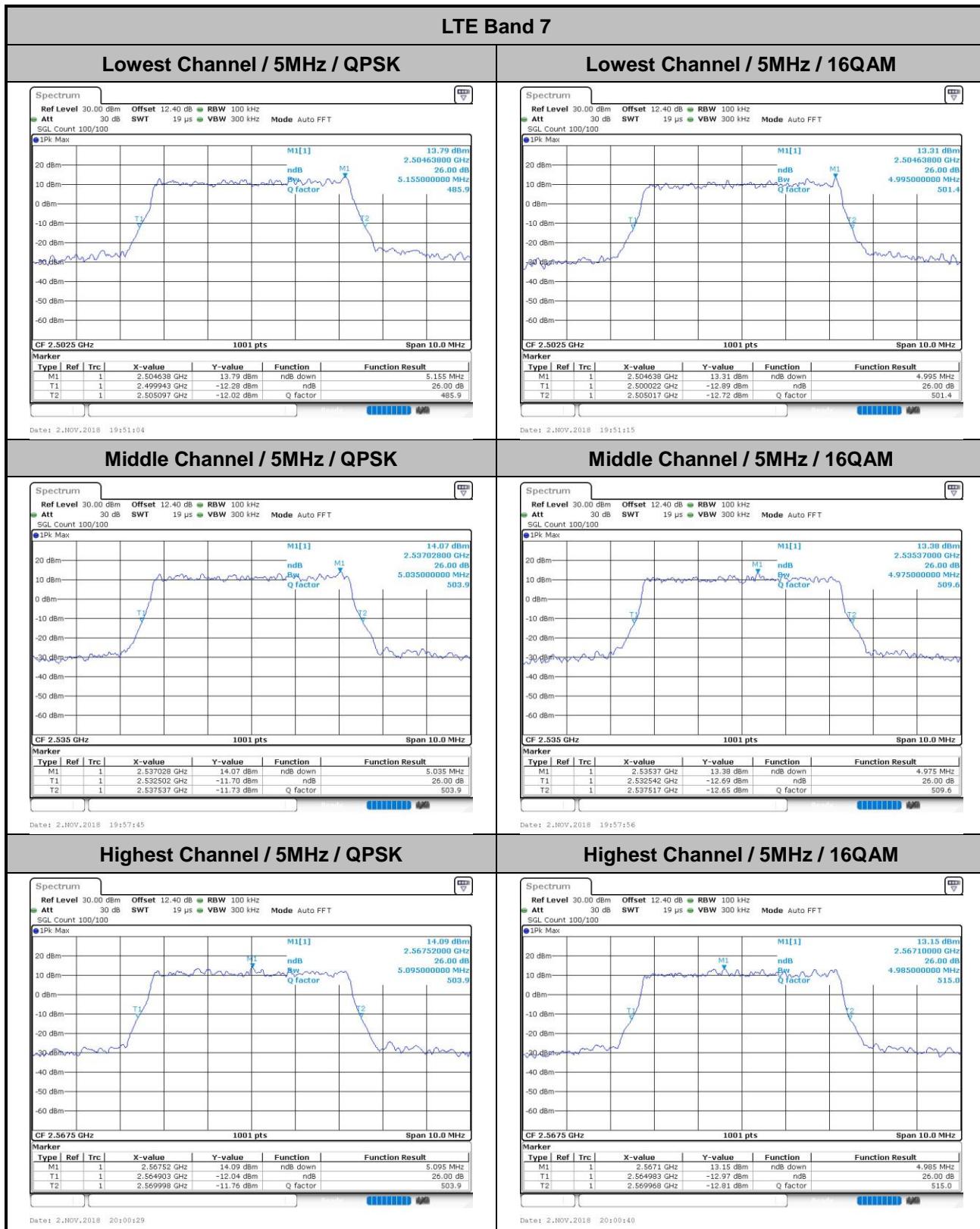
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.43	4.93	5.36	5.88	
Middle CH	4.87	5.22	6.17	6.17	PASS
Highest CH	4.58	5.19	6.00	6.12	

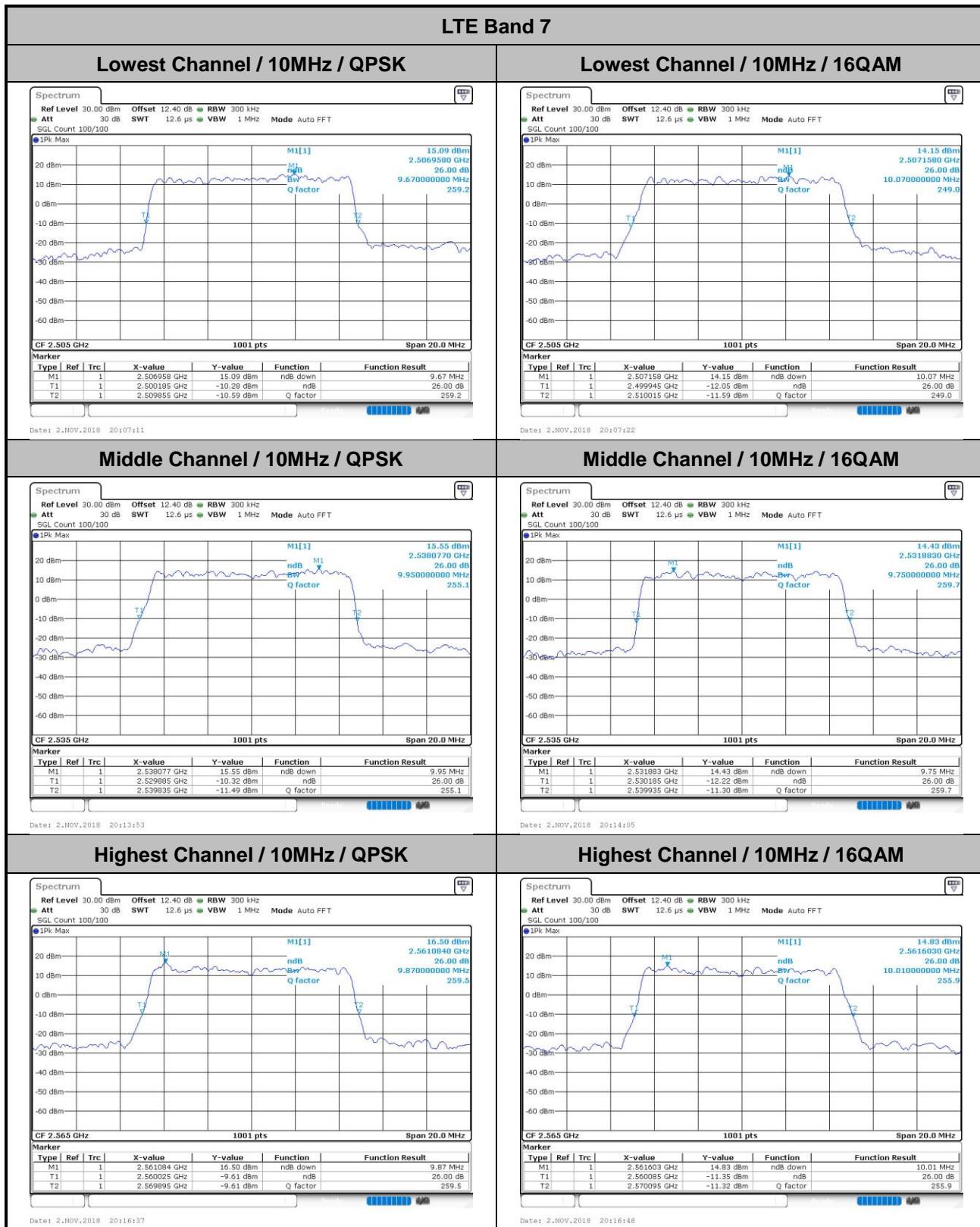


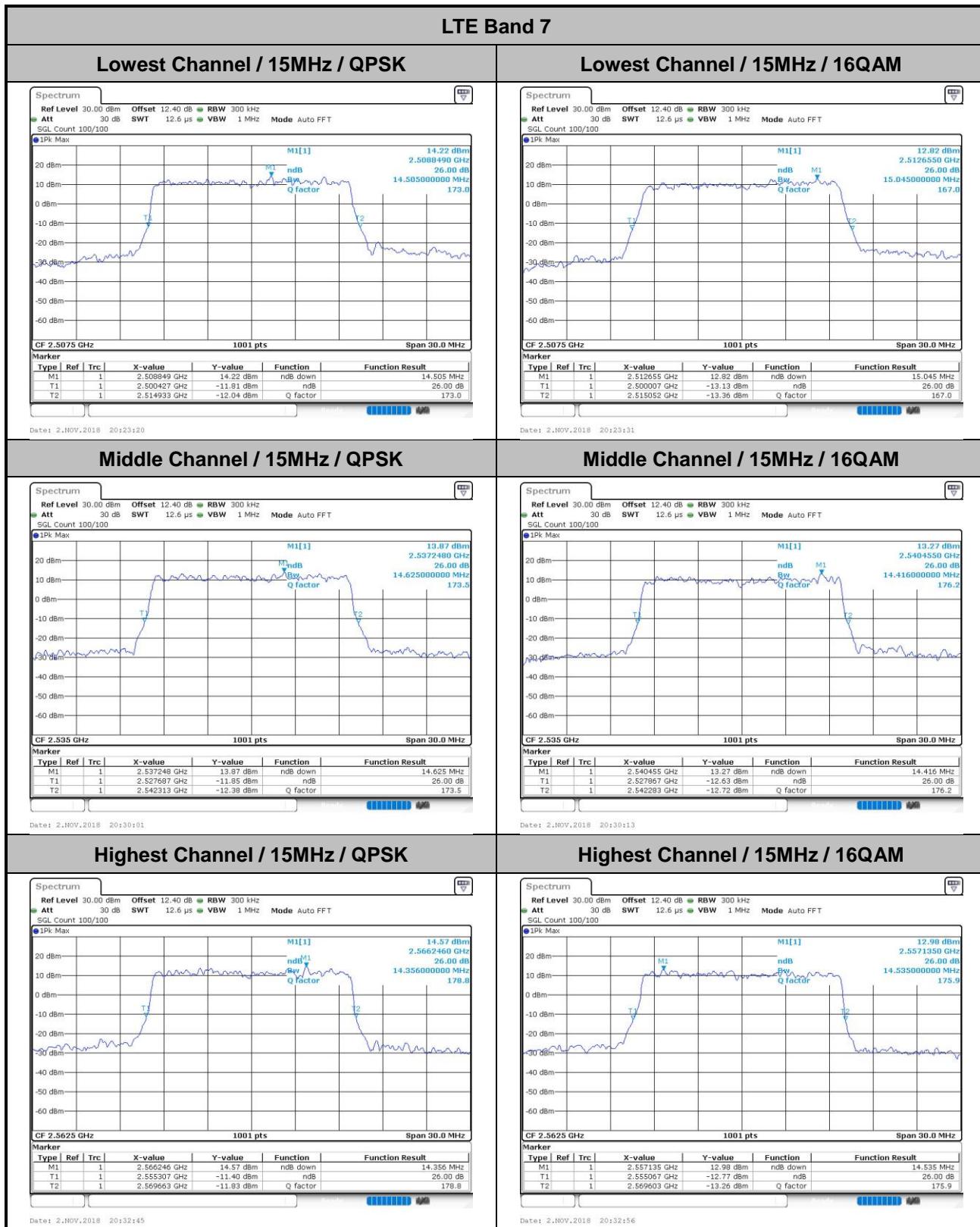


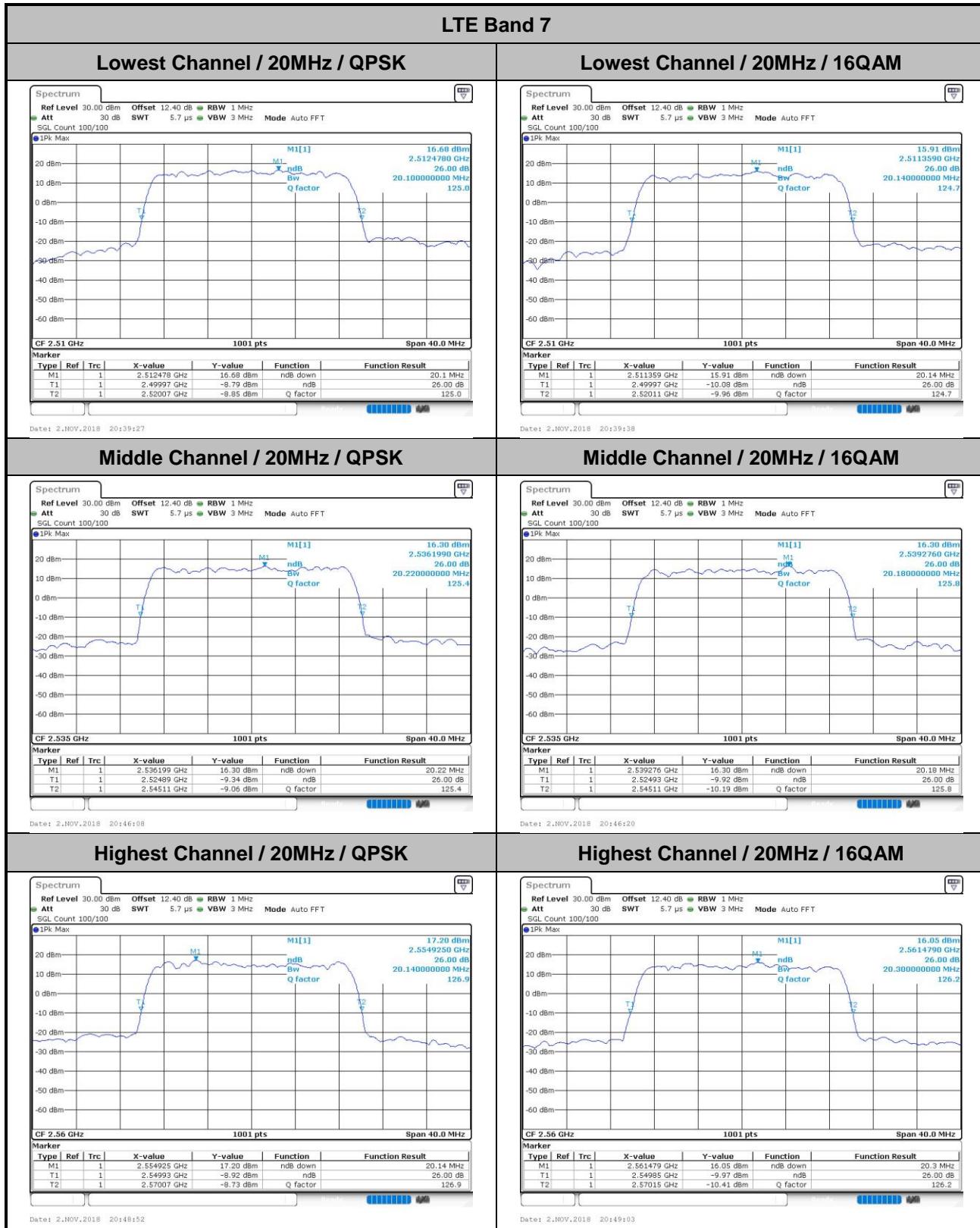
**26dB Bandwidth**

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	-	-	-	-	5.16	5.00	9.67	10.07	14.51	15.05	20.10	20.14
Middle CH	-	-	-	-	5.04	4.98	9.95	9.75	14.63	14.42	20.22	20.18
Highest CH	-	-	-	-	5.10	4.99	9.87	10.01	14.36	14.54	20.14	20.30









**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	-	-	-	-	4.52	4.48	9.09	9.03	13.46	13.46	18.30	18.26
Middle CH	-	-	-	-	4.50	4.52	9.05	9.03	13.49	13.43	18.26	18.46
Highest CH	-	-	-	-	4.50	4.51	9.05	9.05	13.52	13.40	18.42	18.58

