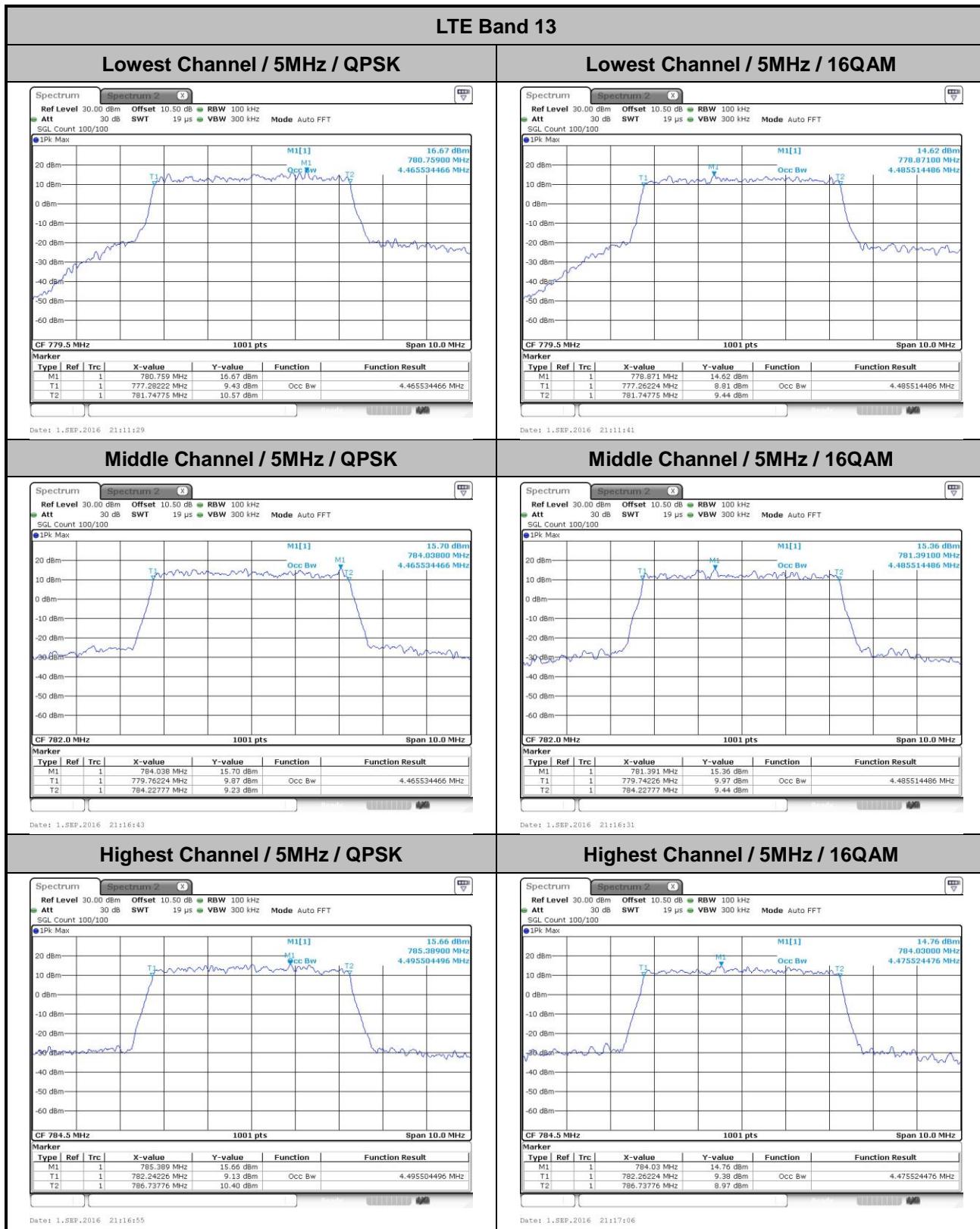
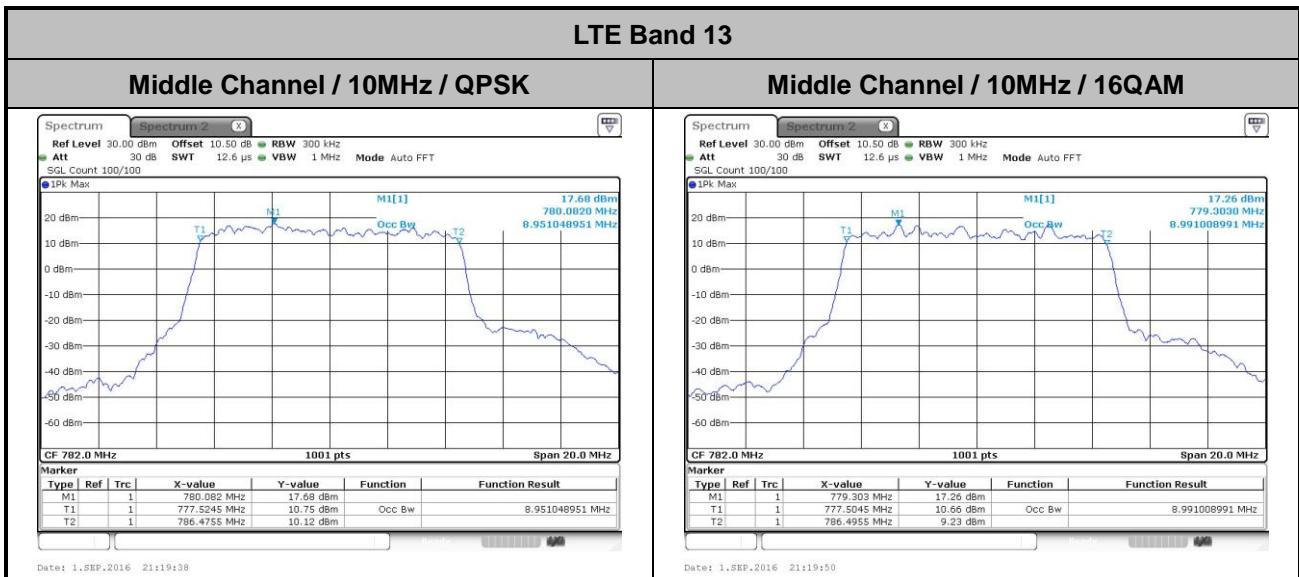


**Occupied Bandwidth**

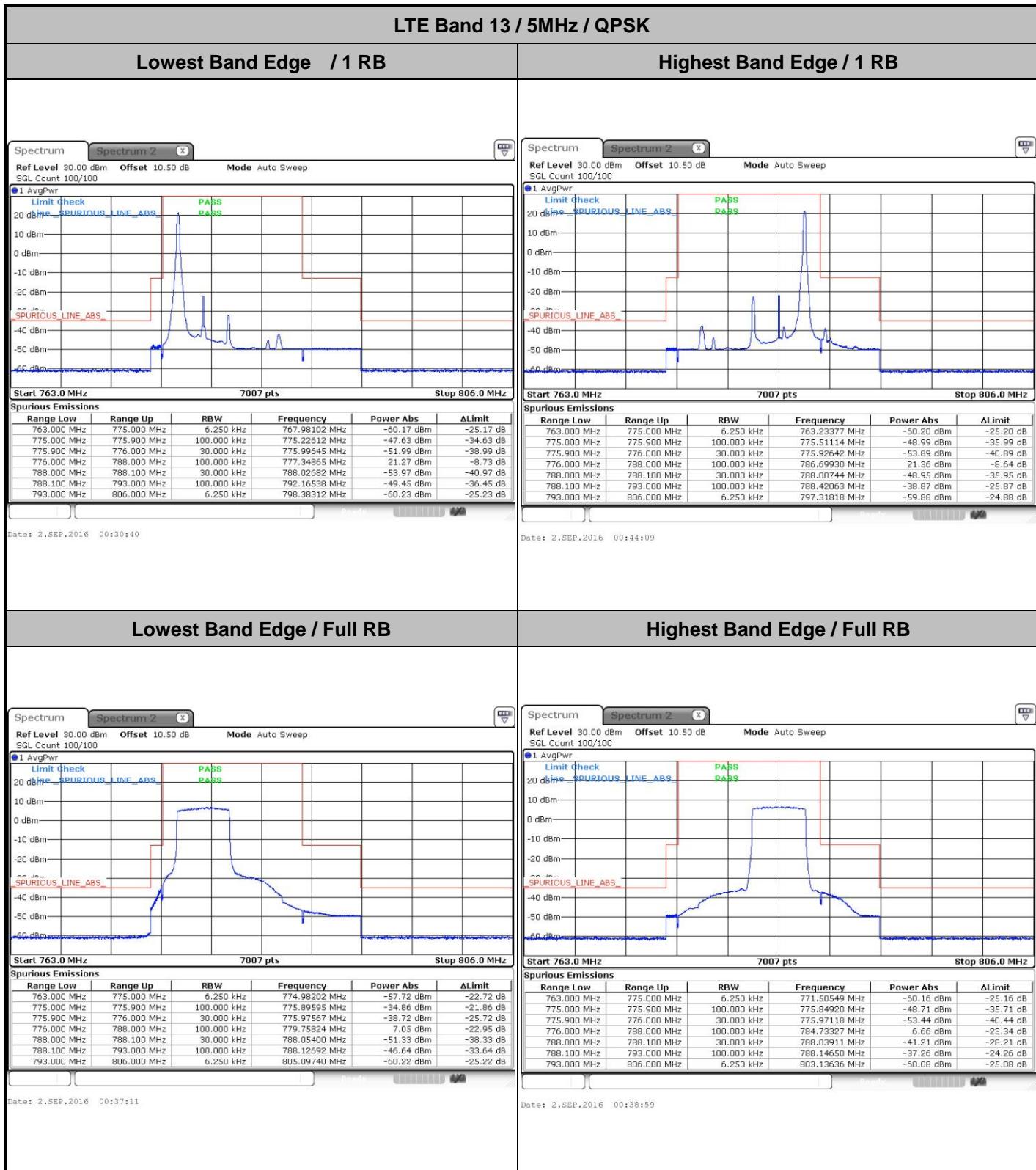
Mode	LTE Band 13 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.47	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.47	4.49	8.95	8.99	-	-	-	-
Highest CH	-	-	-	-	4.5	4.48	-	-	-	-	-	-

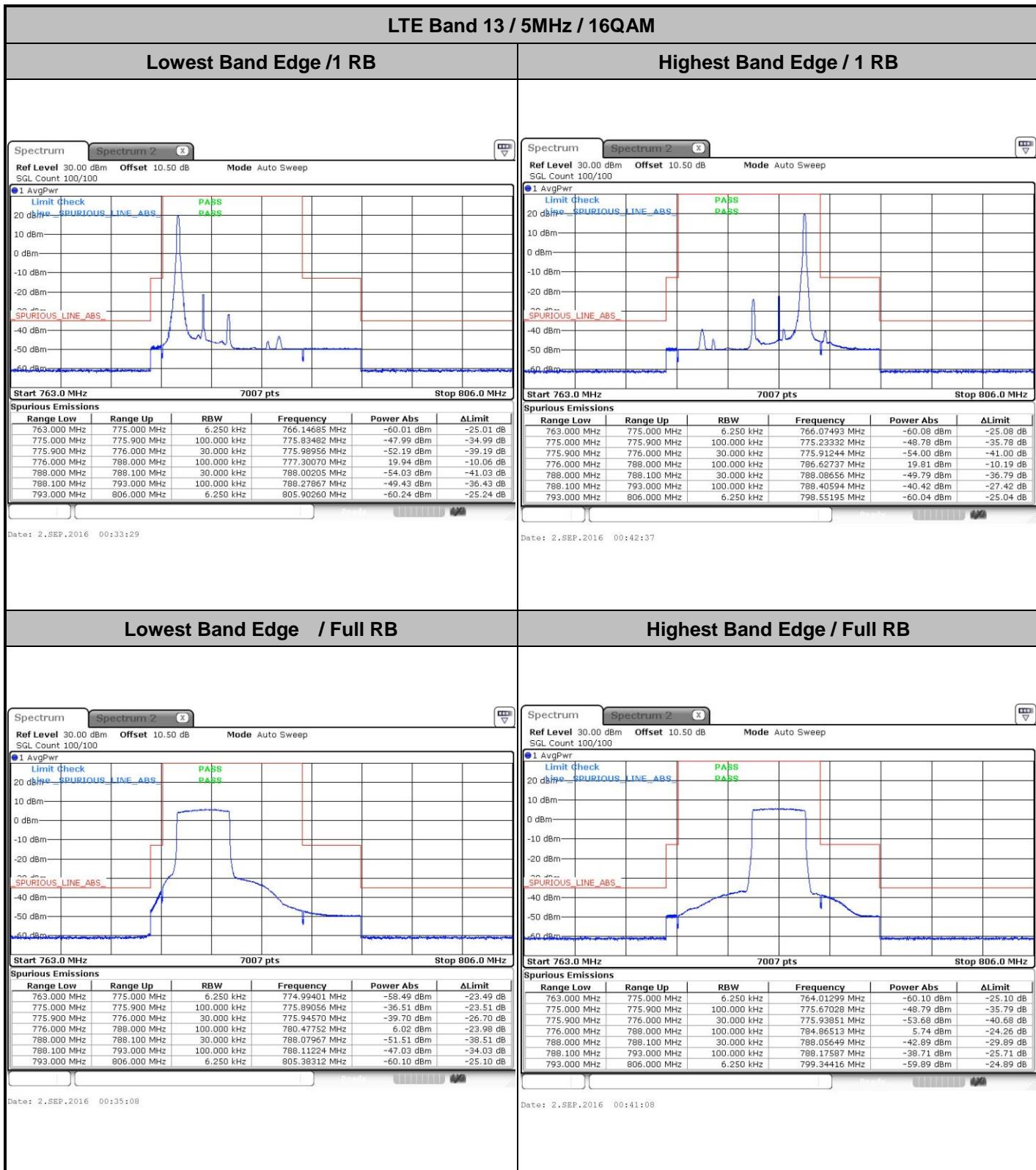


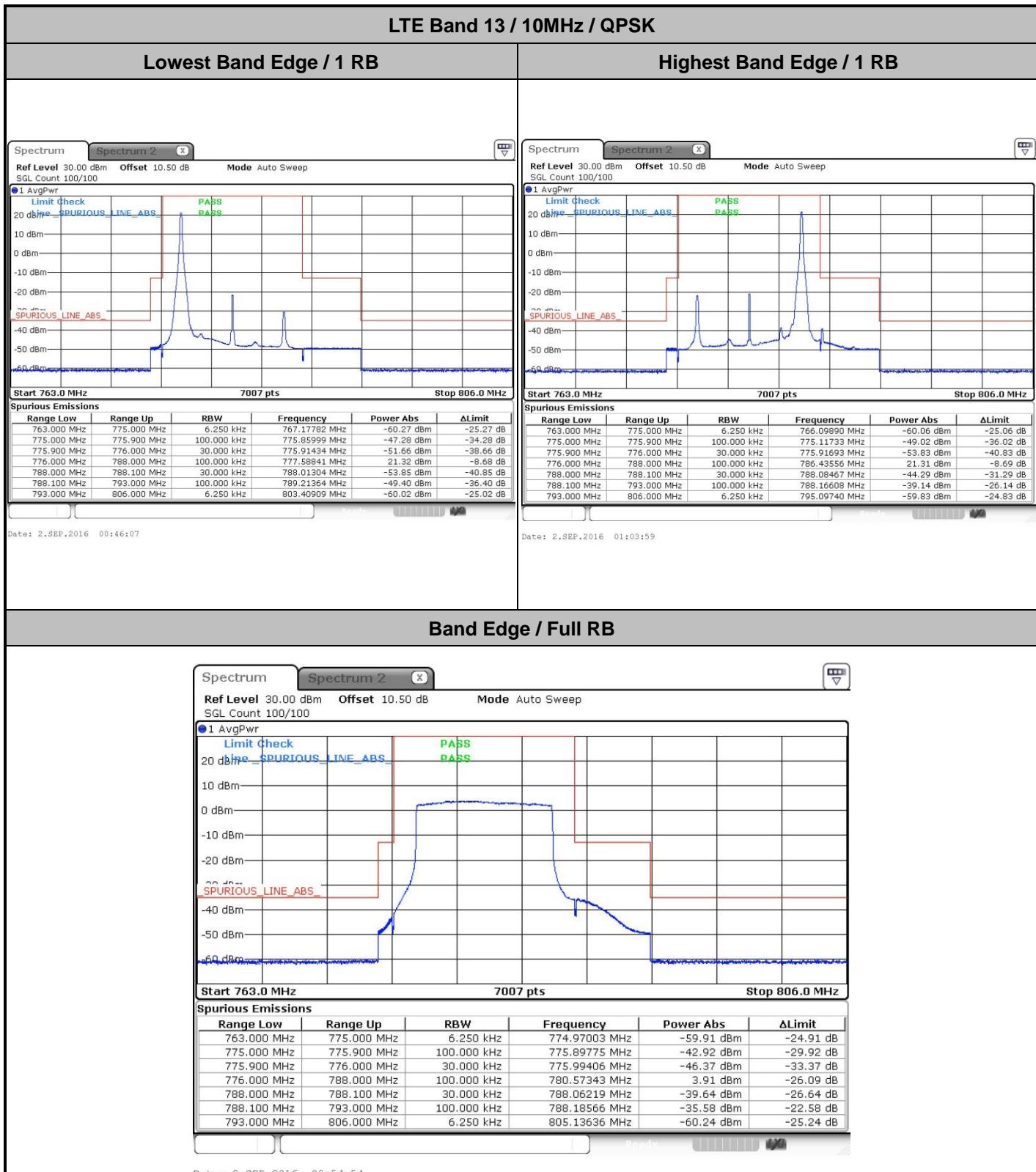


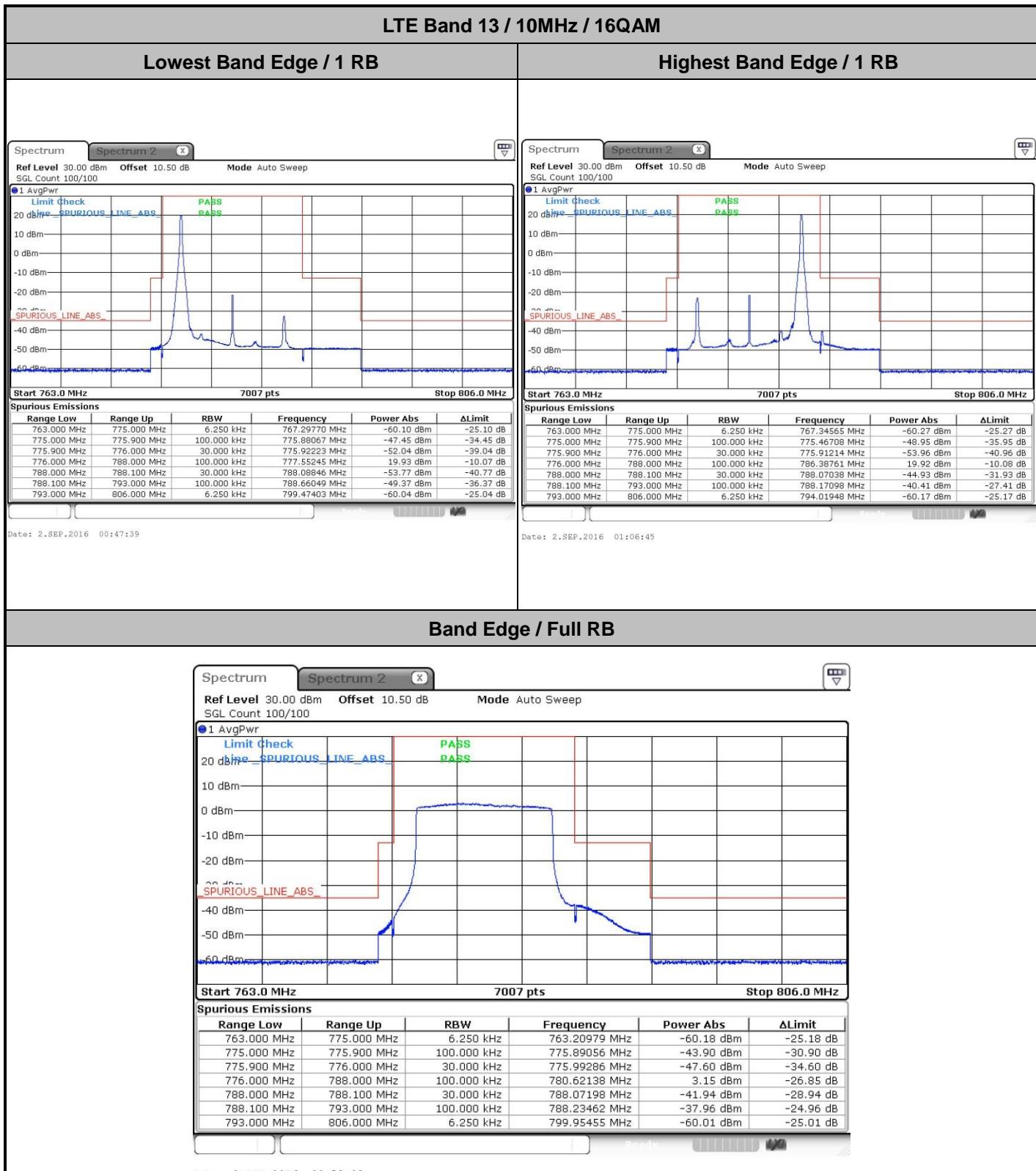


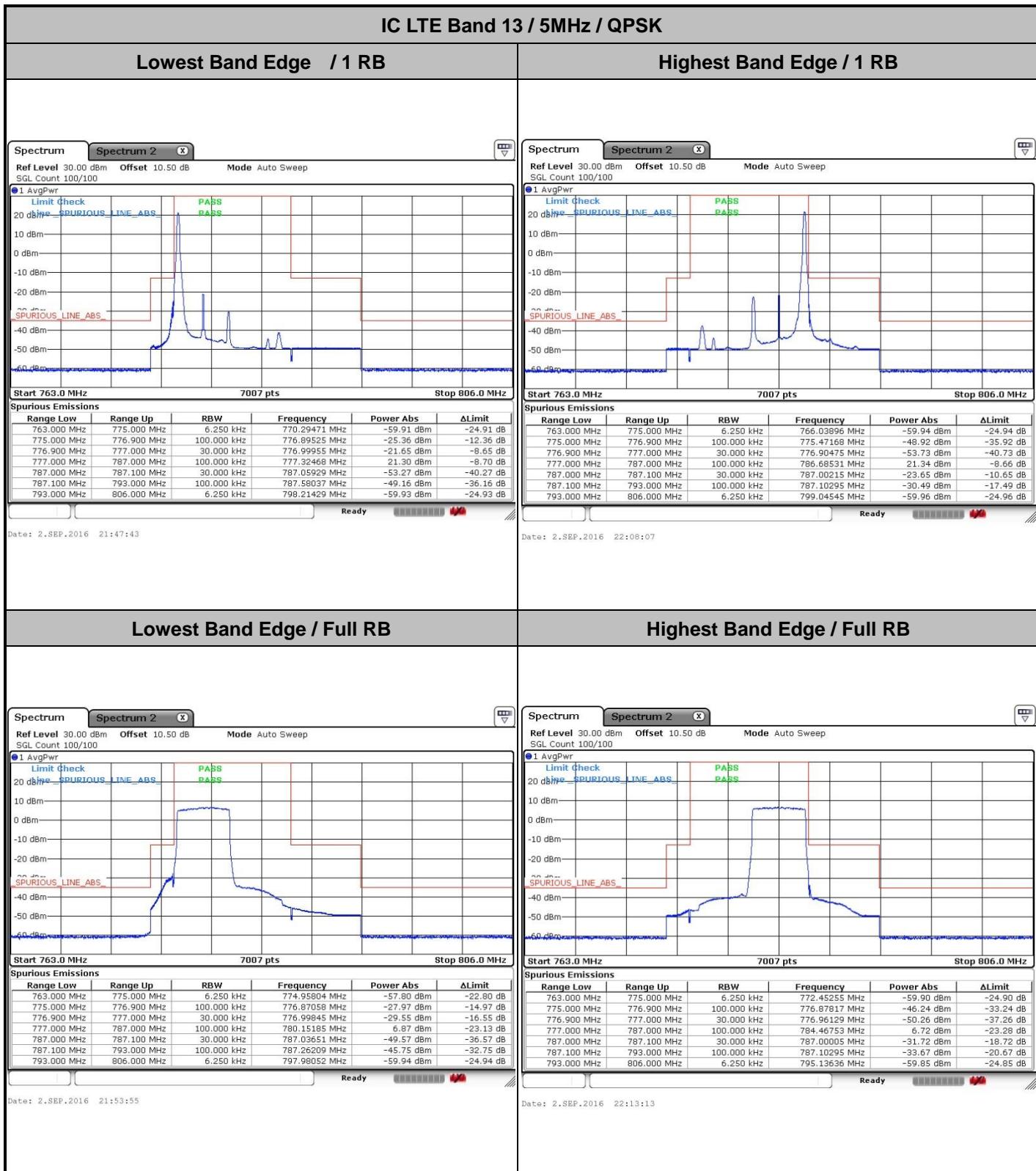
## Conducted Band Edge

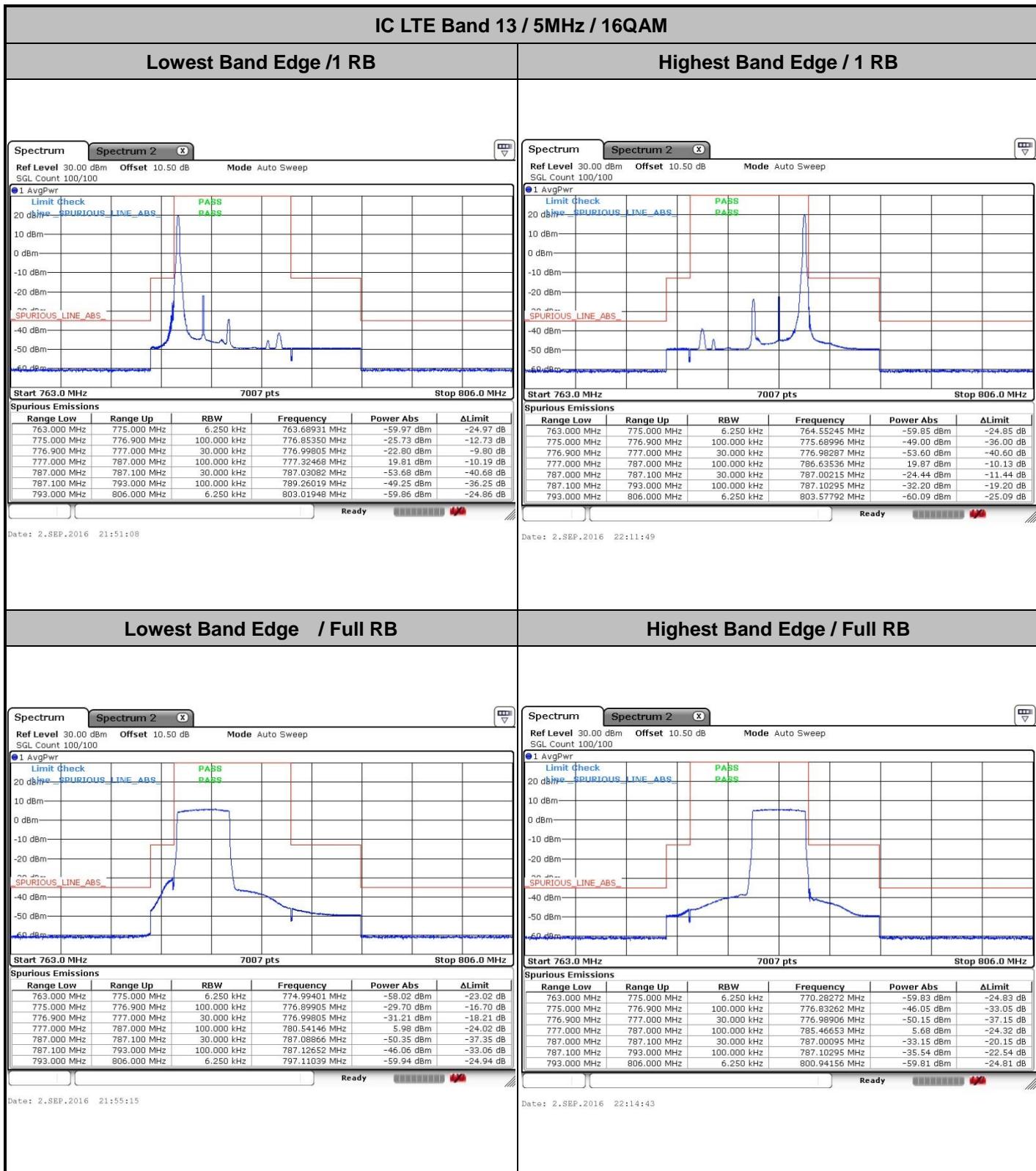


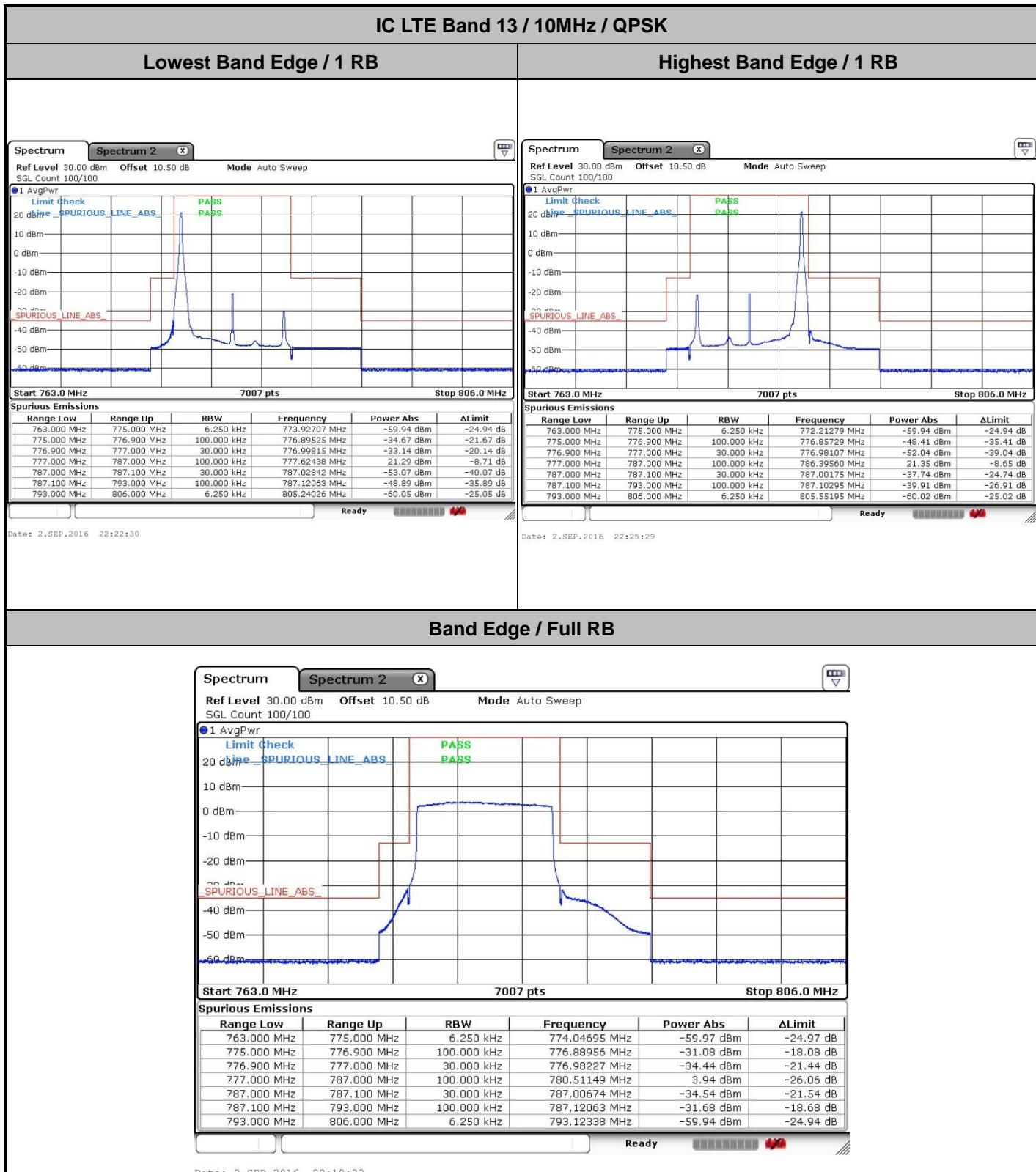


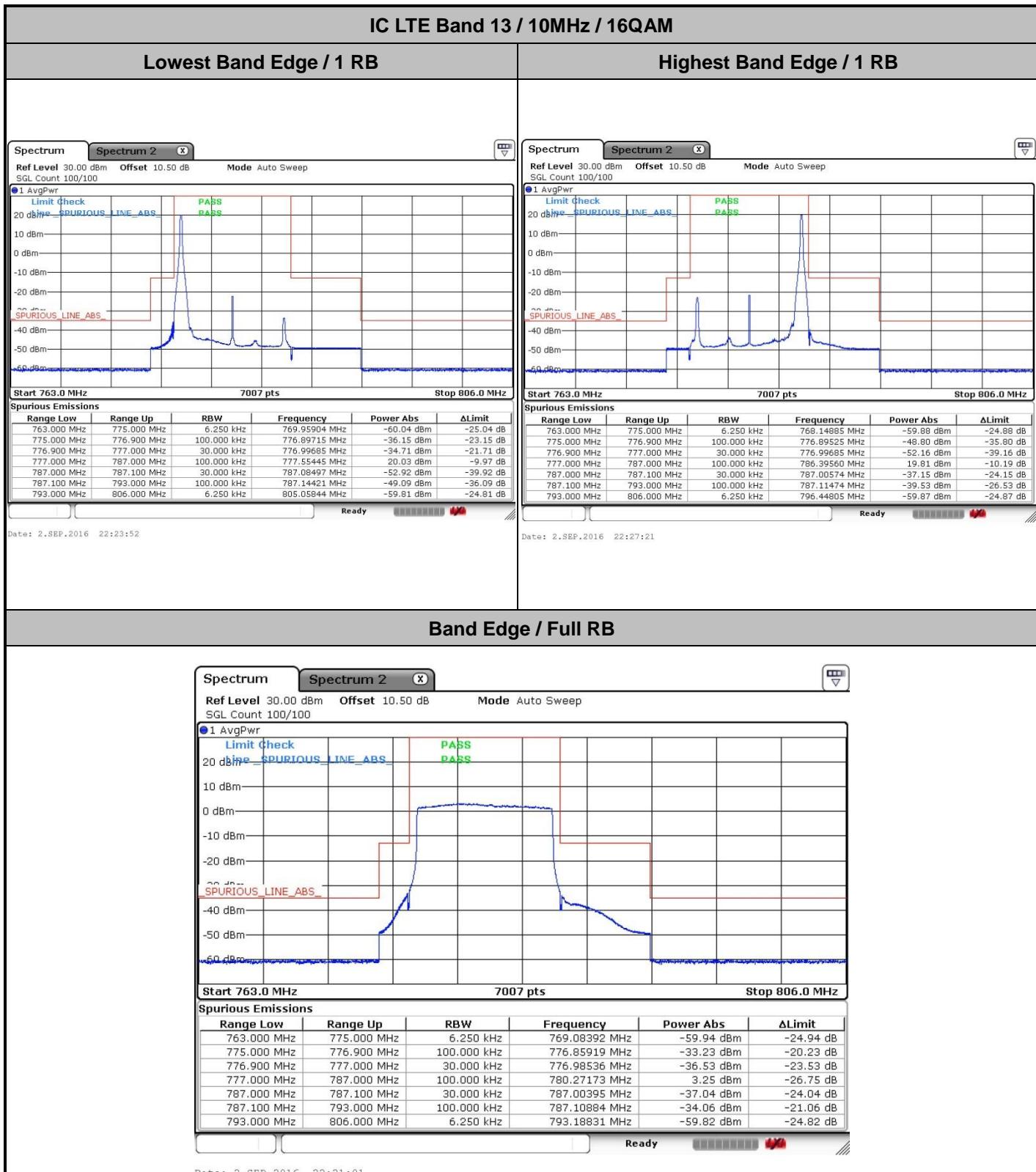






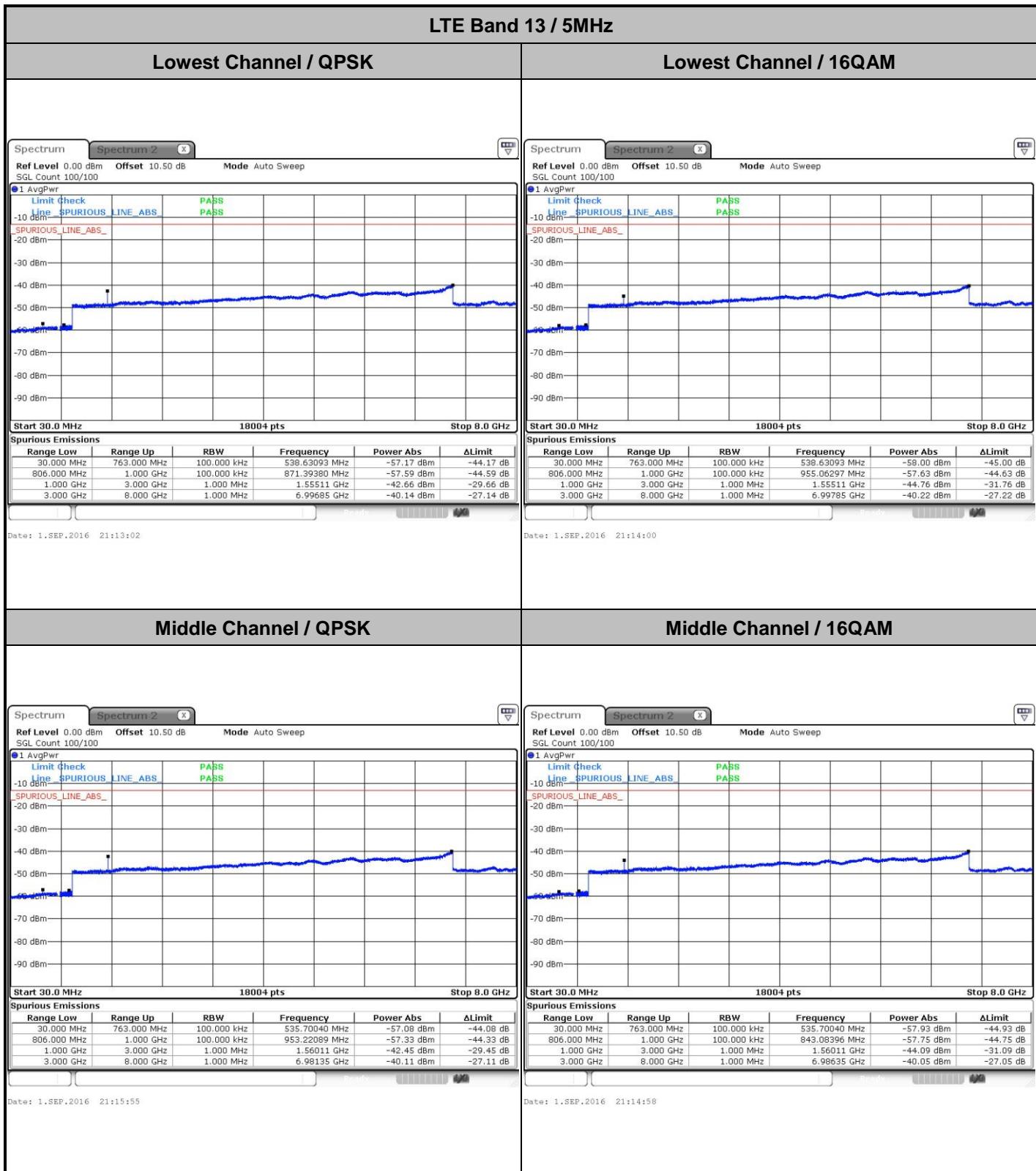








## Conducted Spurious Emission

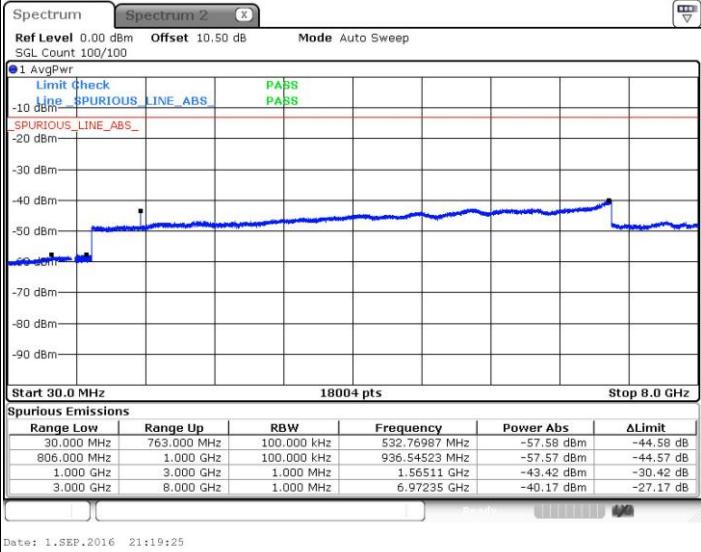
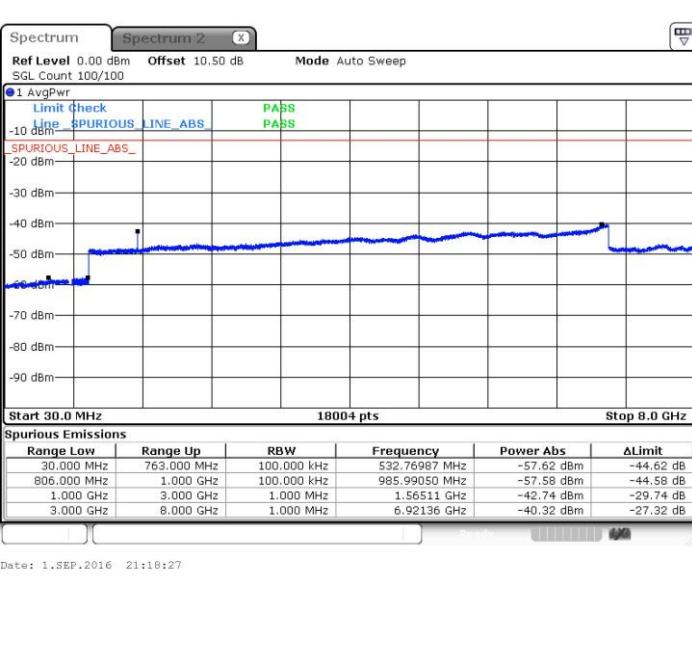




## LTE Band 13 / 5MHz

## Highest Channel / QPSK

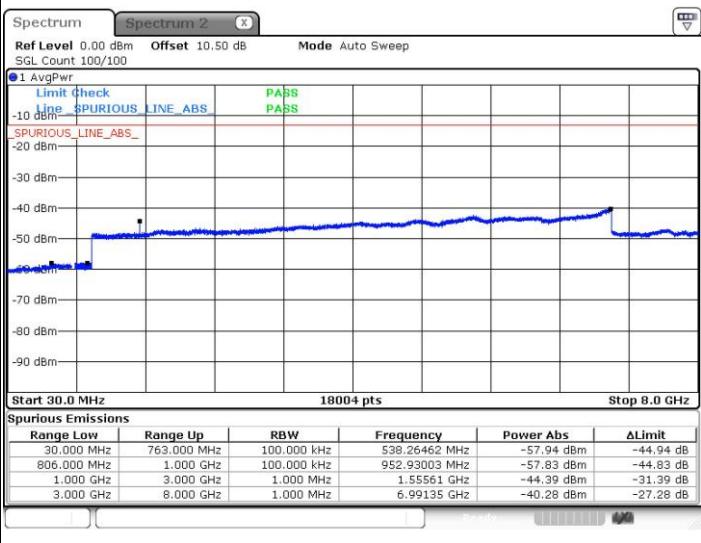
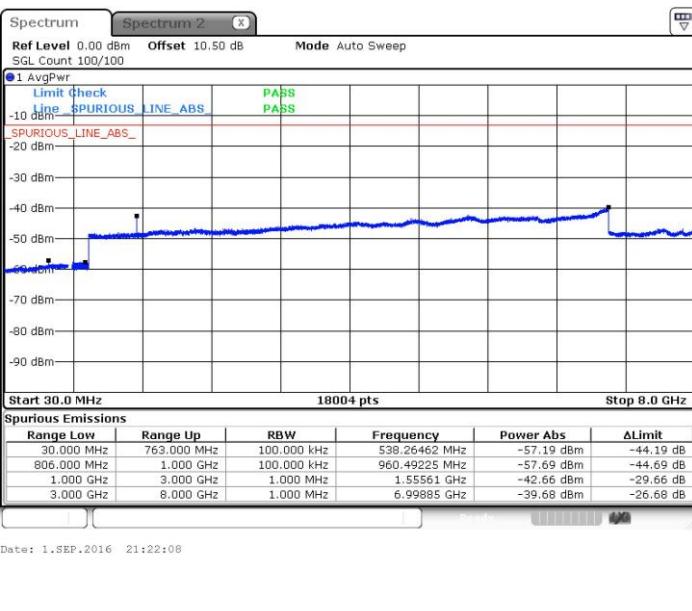
## Highest Channel / 16QAM



## LTE Band 13 / 10MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM





## 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	0.0090	PASS
40	Normal Voltage	0.0095	
30	Normal Voltage	0.0100	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0118	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0086	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

**Note:**

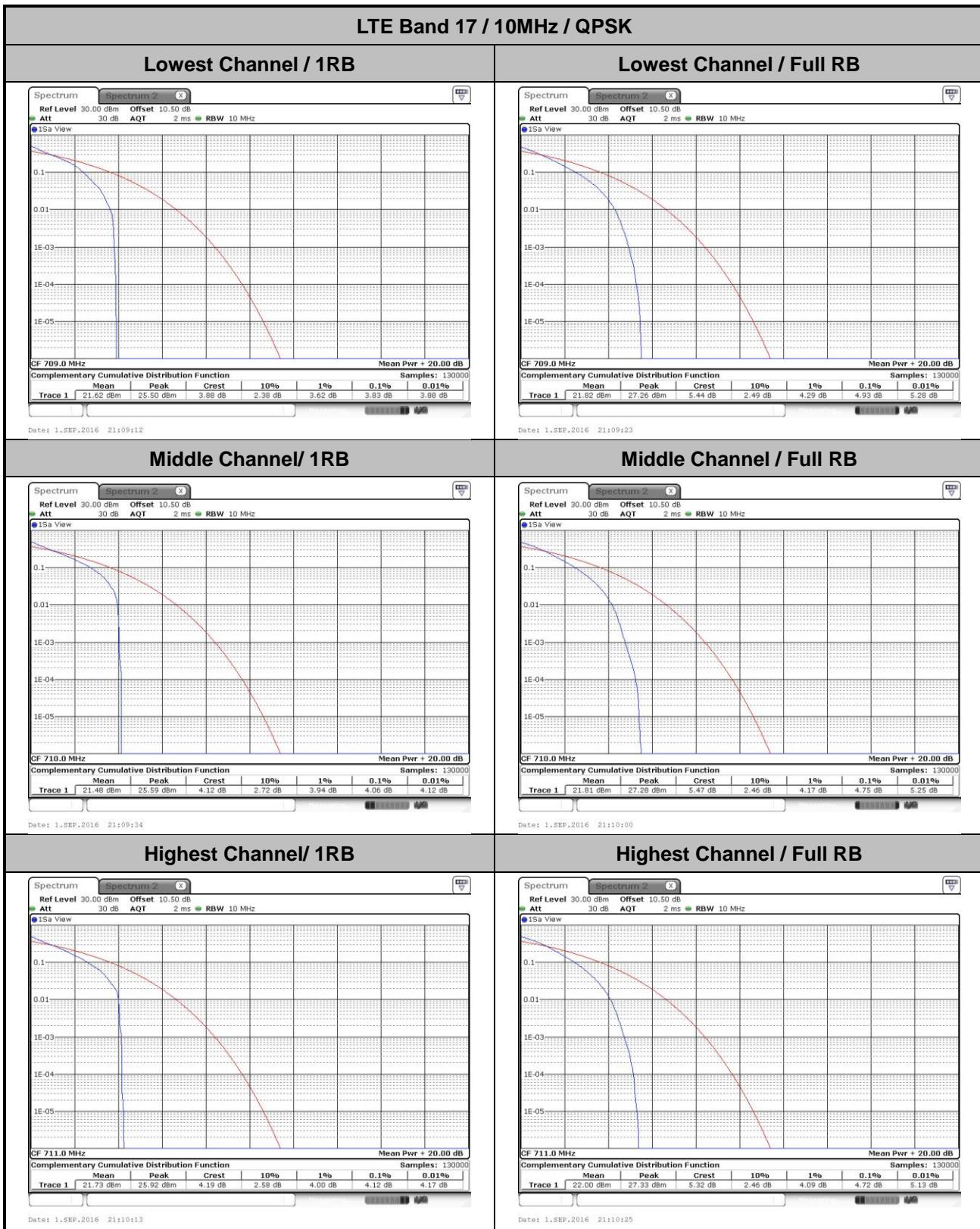
1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.7 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

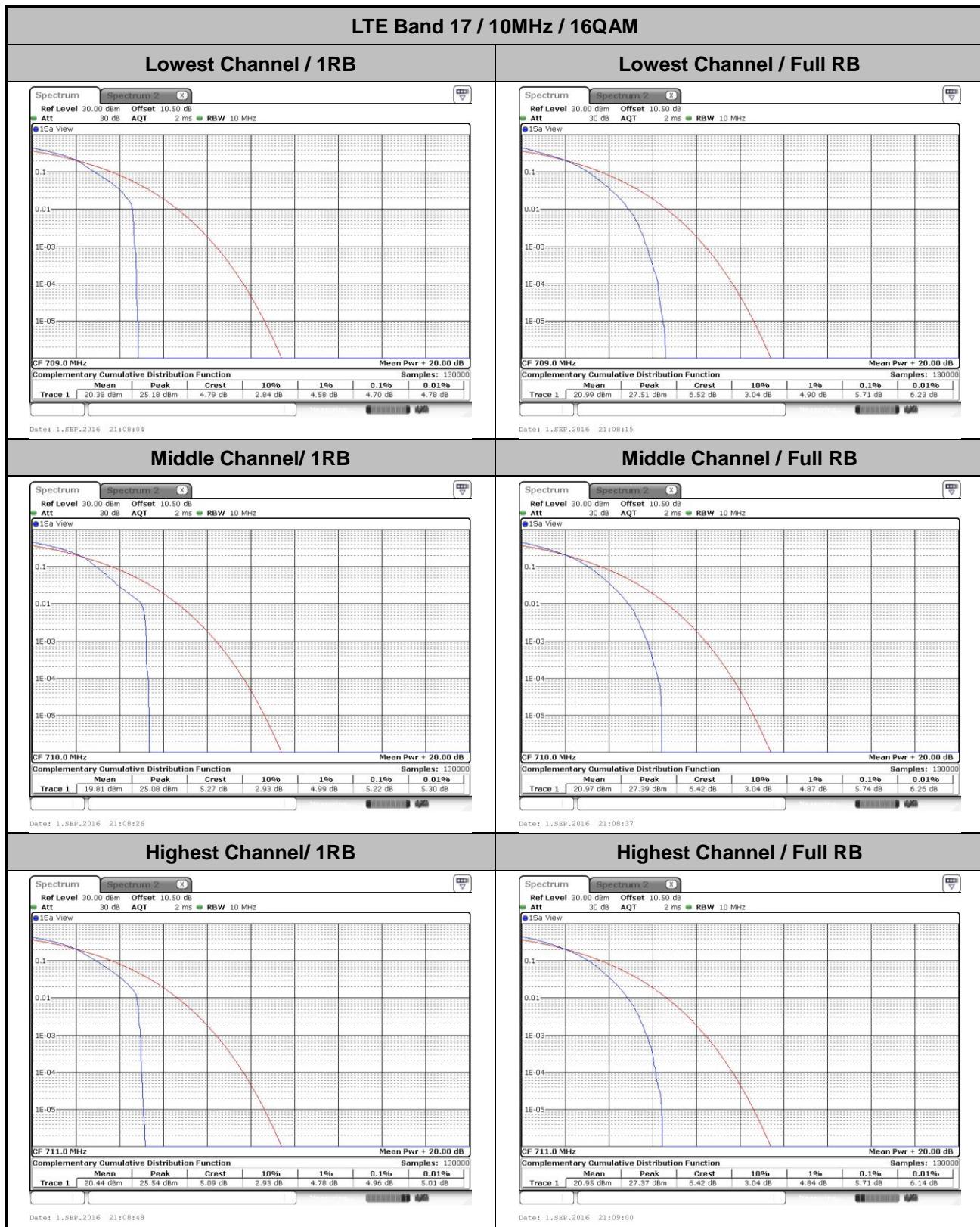


## LTE Band 17

### 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	3.83	4.93	4.7	5.71	PASS
Middle CH	4.06	4.75	5.22	5.74	
Highest CH	4.12	4.72	4.96	5.71	





**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	-	-	-	-	4.995	4.925	9.83	9.75	-	-	-	-
Middle CH	-	-	-	-	4.945	4.875	9.79	9.75	-	-	-	-
Highest CH	-	-	-	-	4.915	4.885	9.83	9.71	-	-	-	-

