

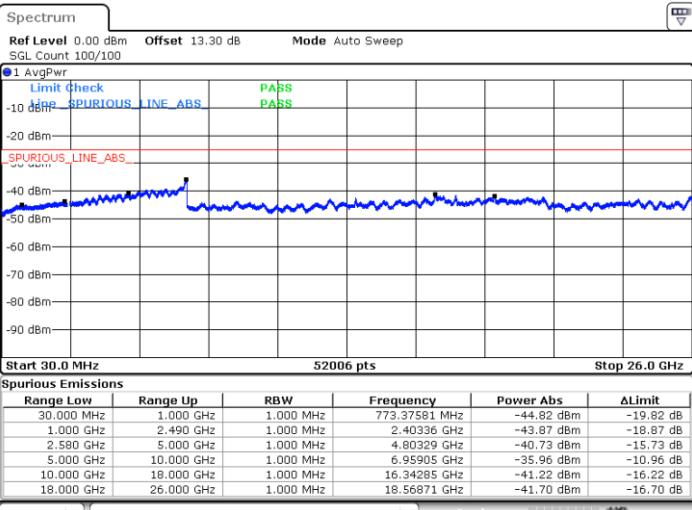
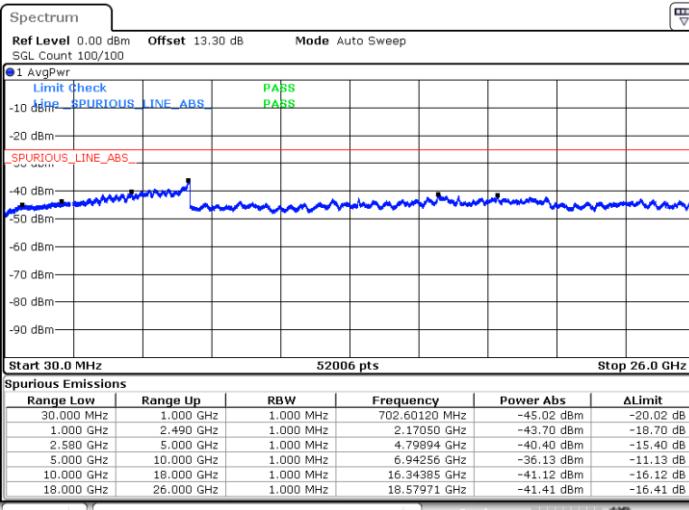


## Conducted Spurious Emission

### LTE Band 7 / 5MHz

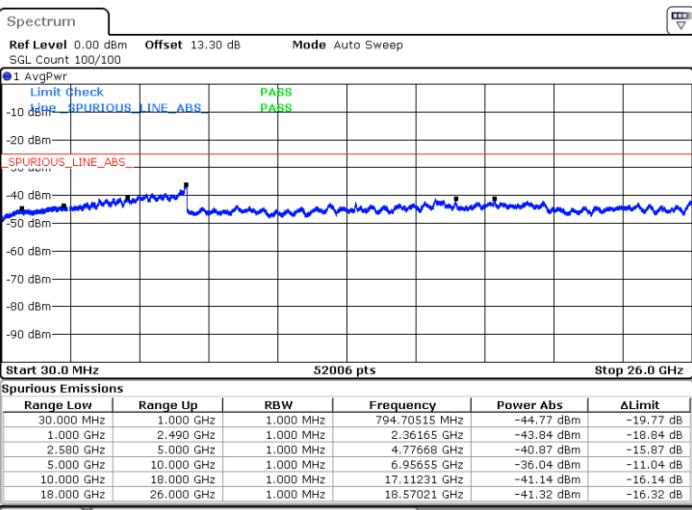
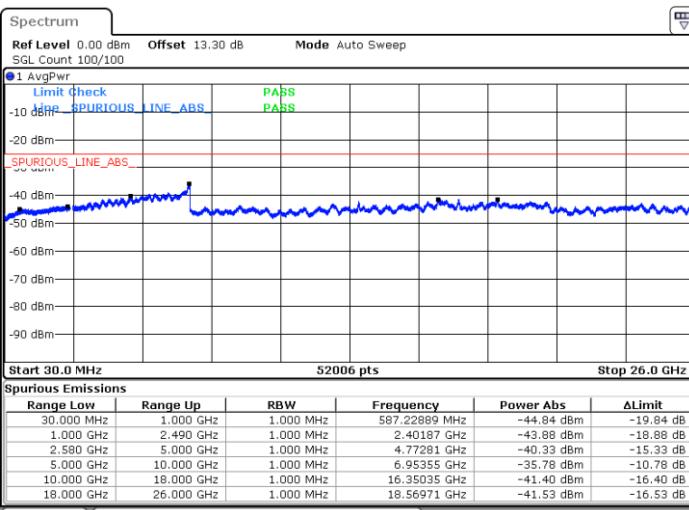
#### Lowest Channel / QPSK

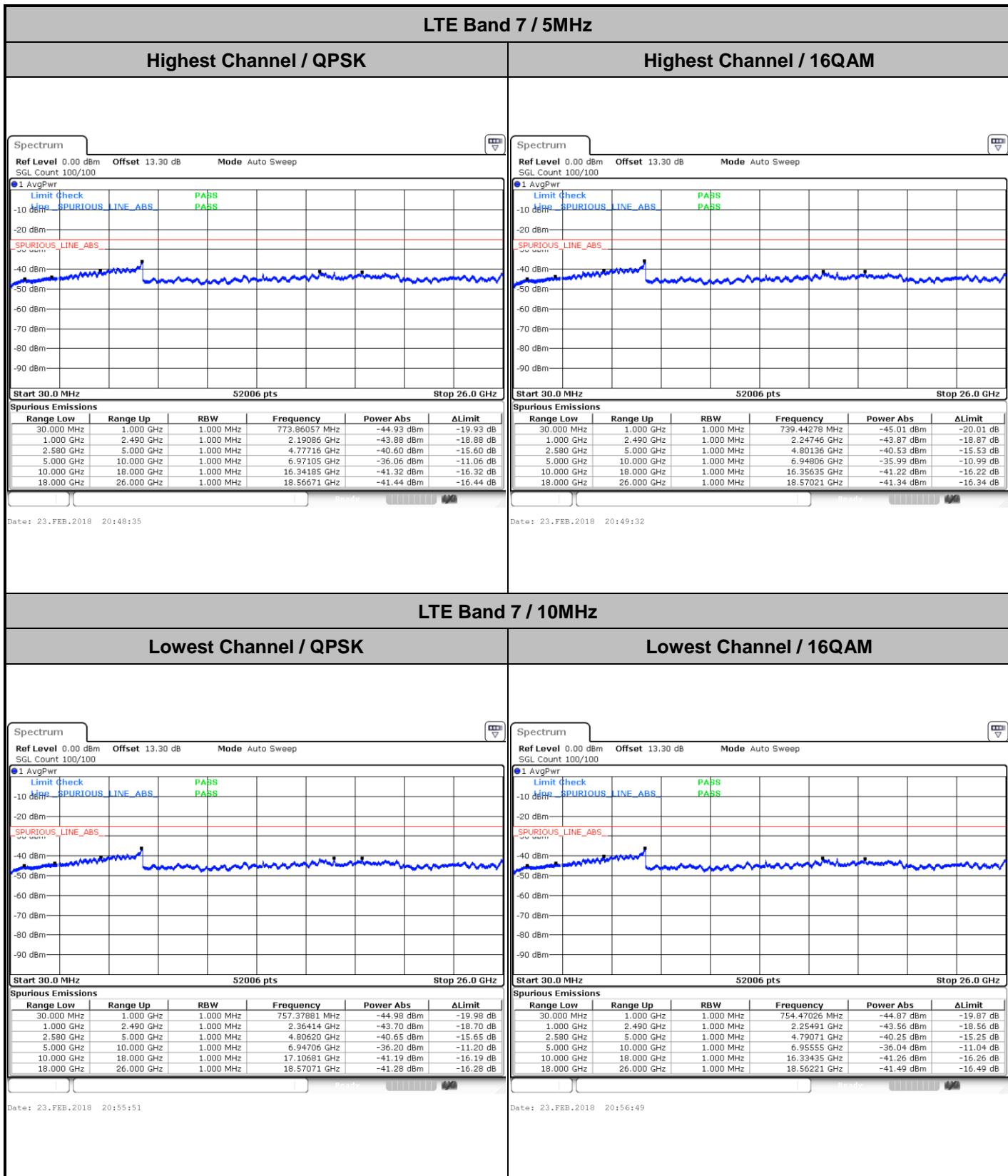
#### Lowest Channel / 16QAM

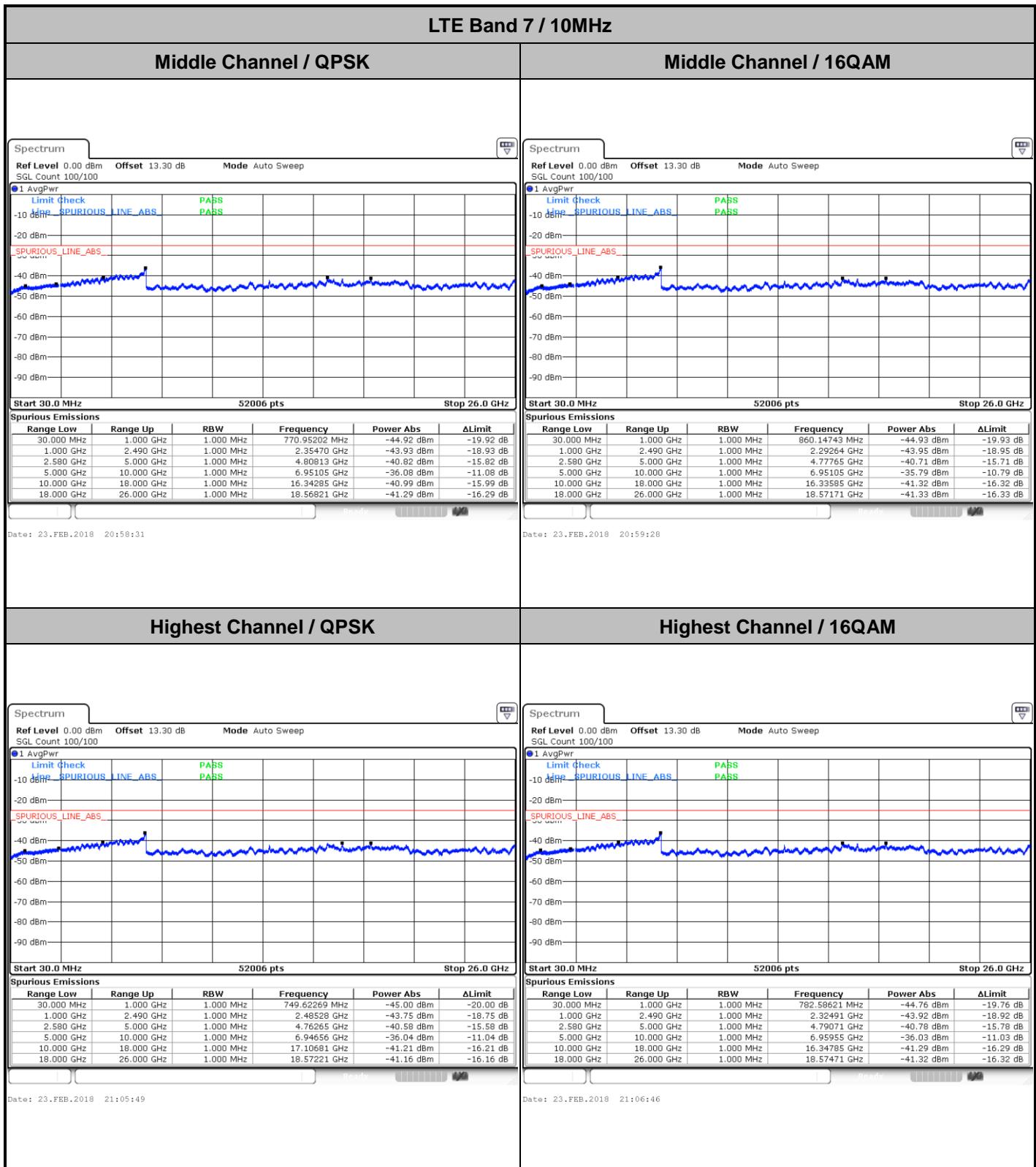


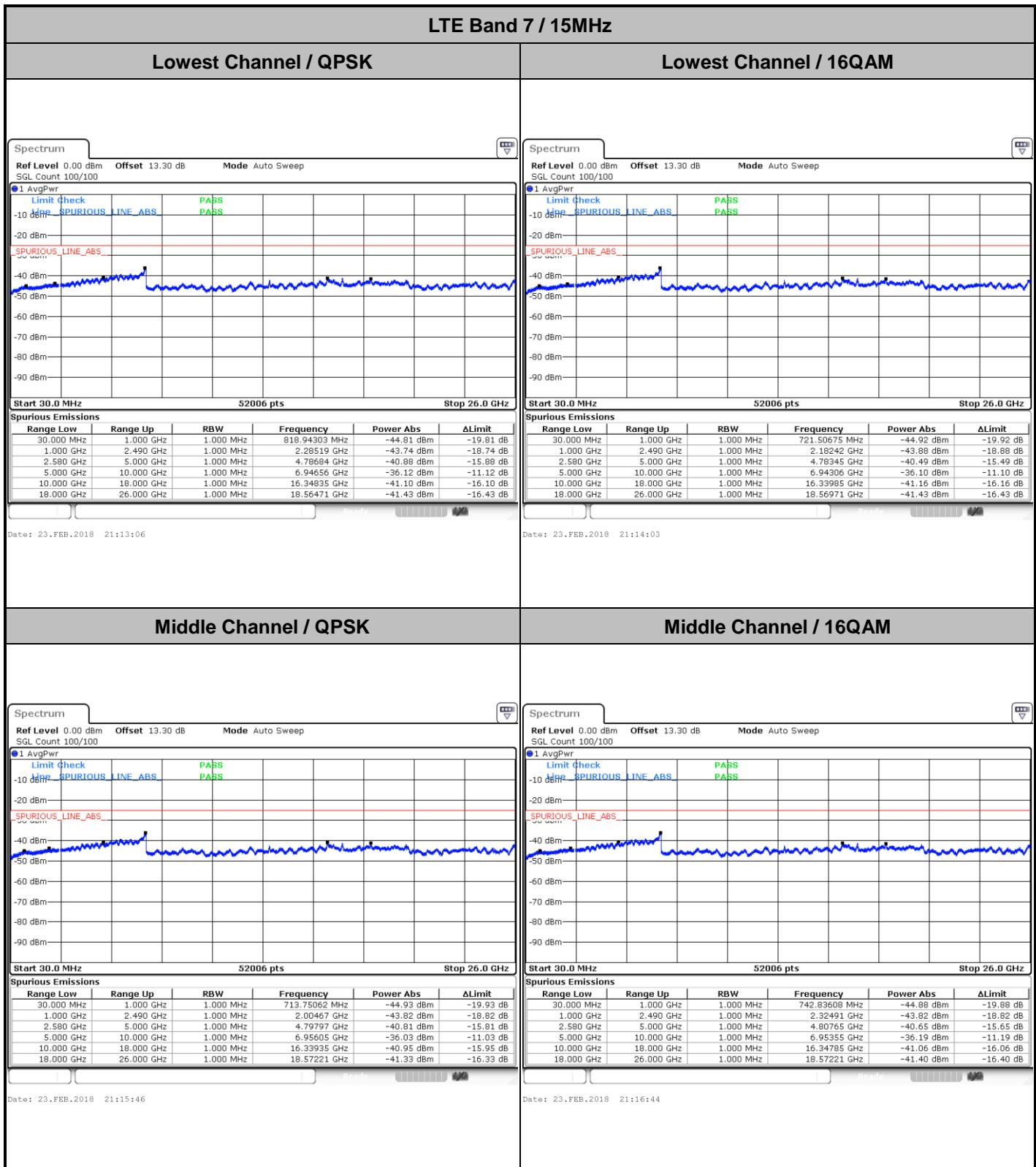
#### Middle Channel / QPSK

#### Middle Channel / 16QAM







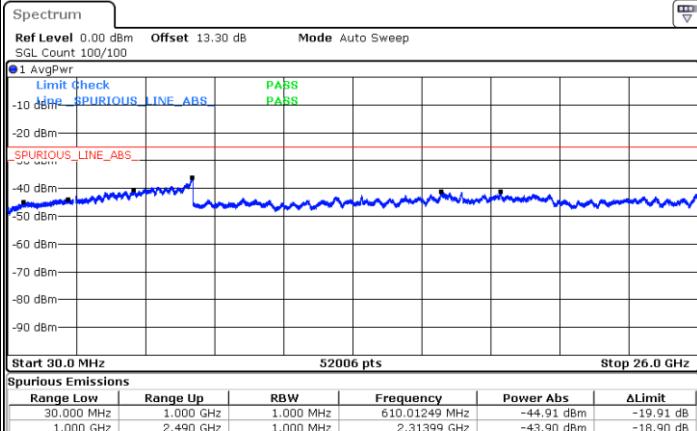
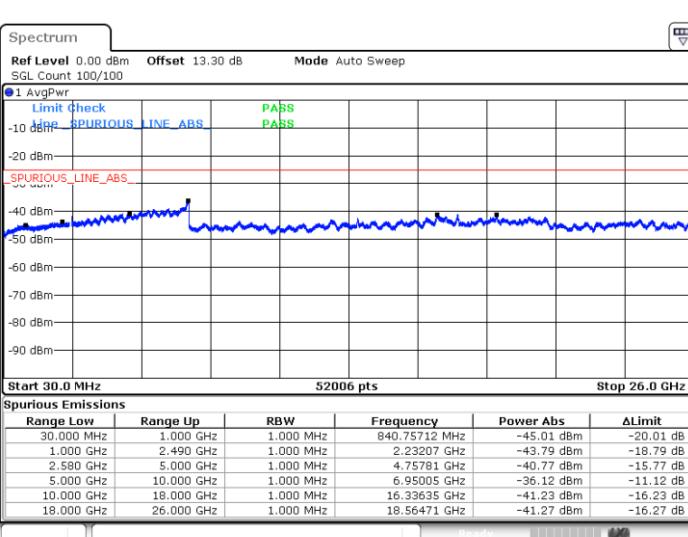




## LTE Band 7 / 15MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



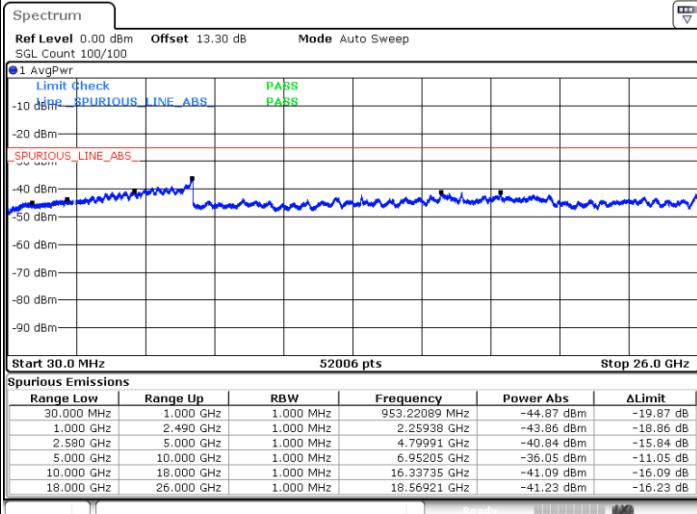
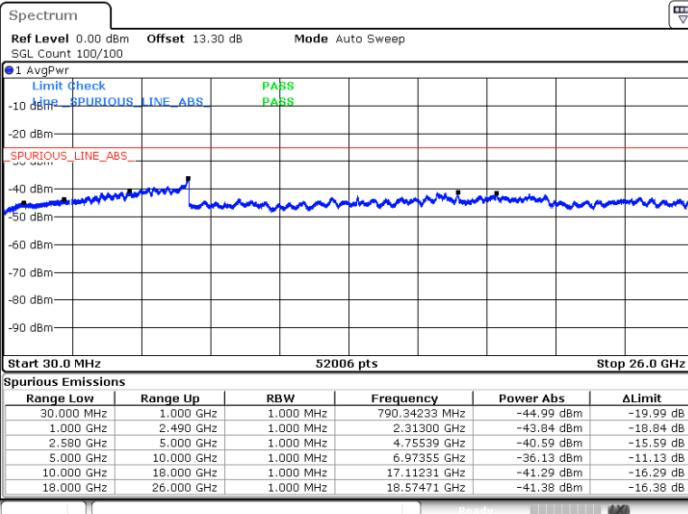
Date: 23.FEB.2018 21:23:04

Date: 23.FEB.2018 21:24:01

## LTE Band 7 / 20MHz

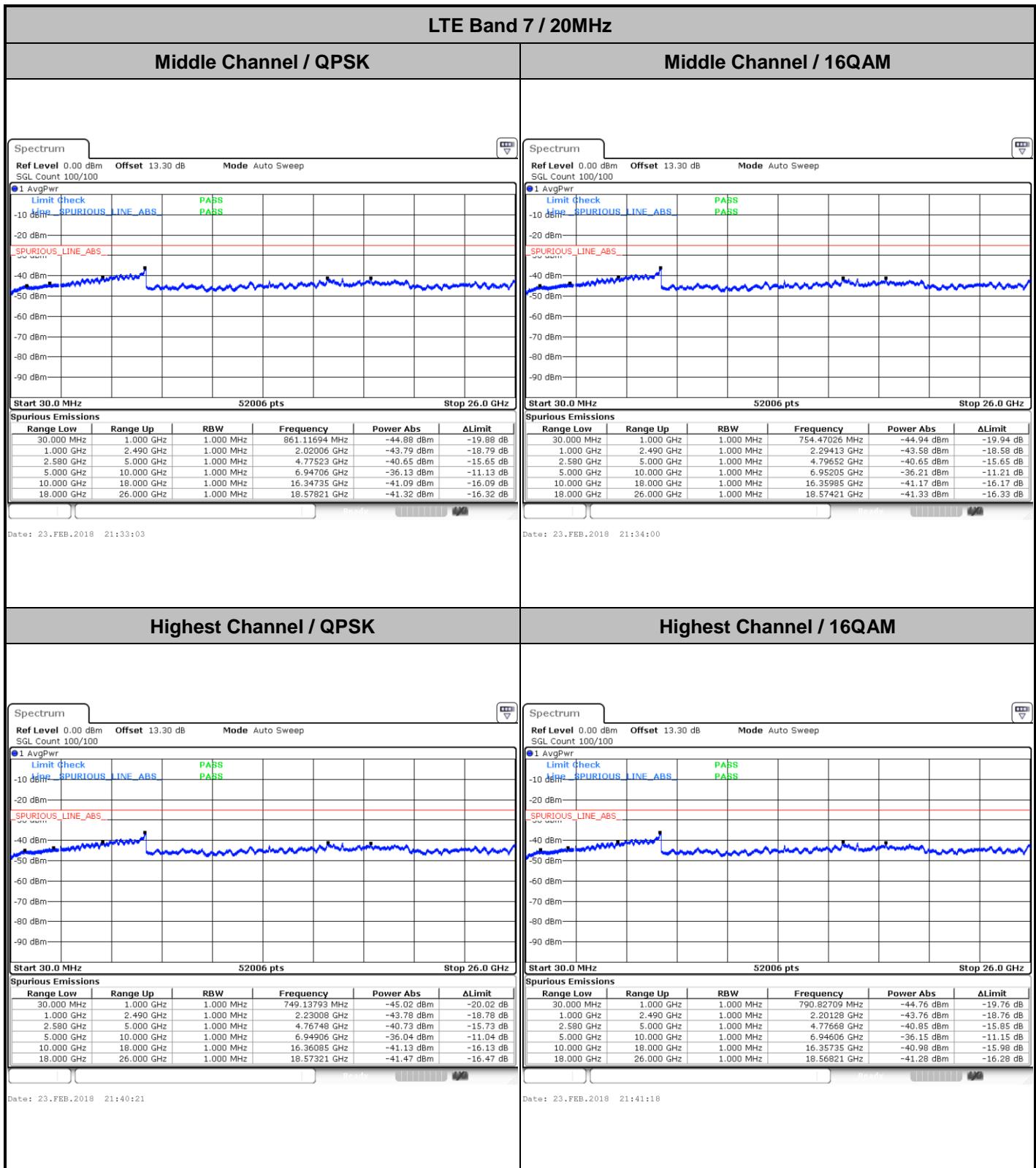
## Lowest Channel / QPSK

## Lowest Channel / 16QAM



Date: 23.FEB.2018 21:30:22

Date: 23.FEB.2018 21:31:20

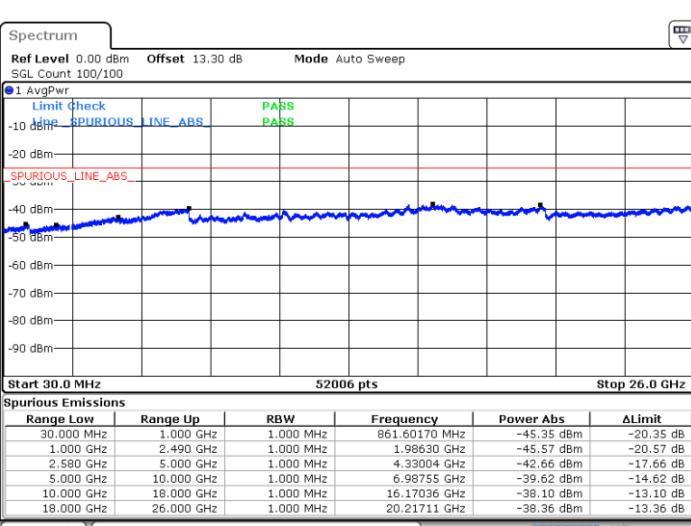




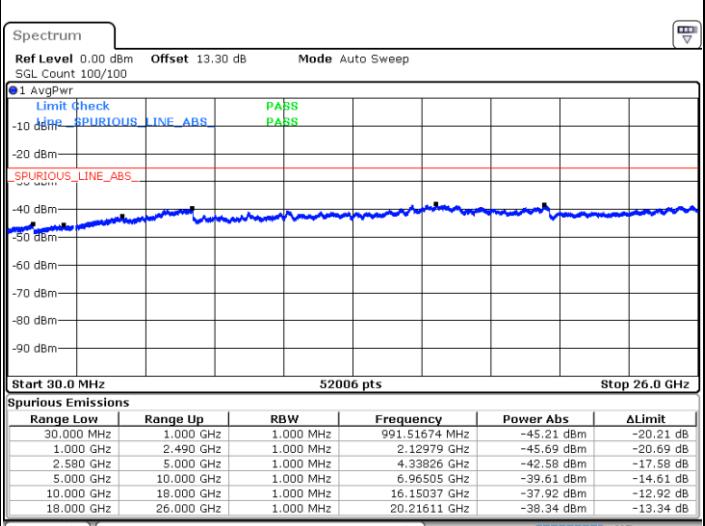
## LTE Band 7 / 5MHz

## Lowest Channel / 64QAM

## Middle Channel / 64QAM

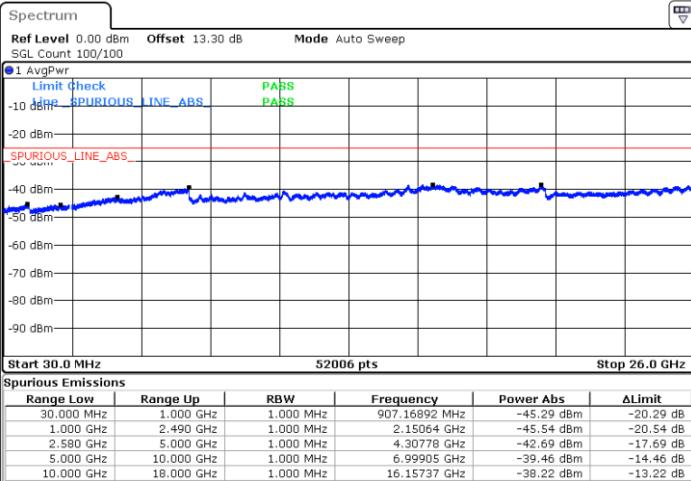


Date: 26.FEB.2018 21:53:22

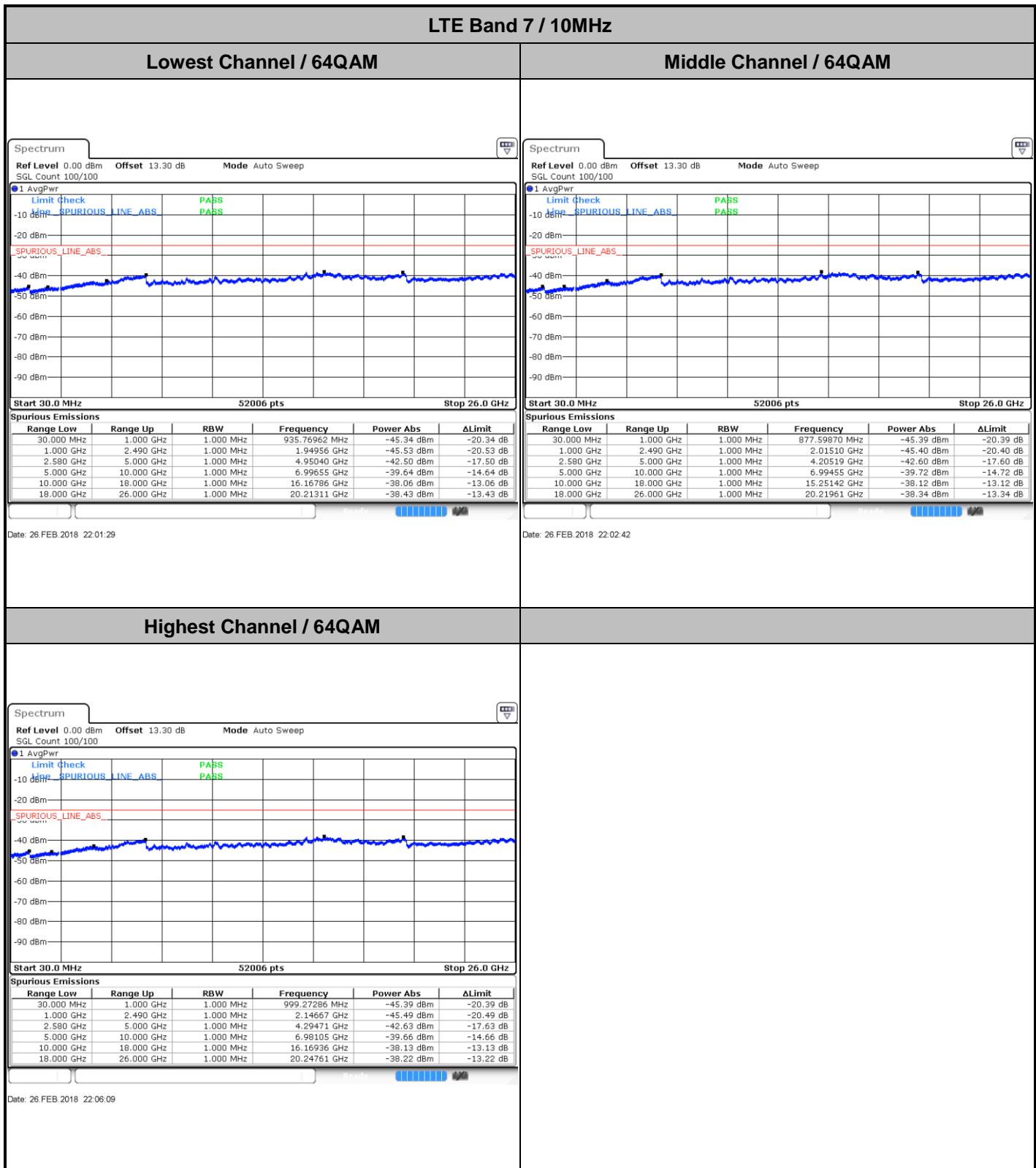


Date: 26.FEB.2018 21:54:35

## Highest Channel / 64QAM



Date: 26.FEB.2018 21:58:02

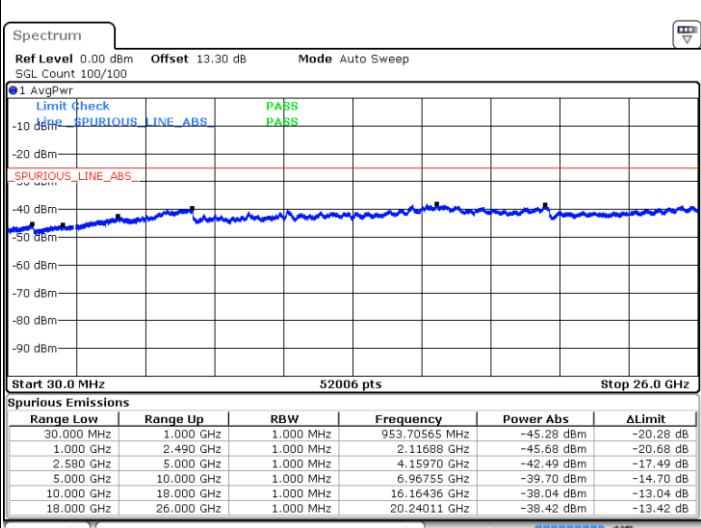
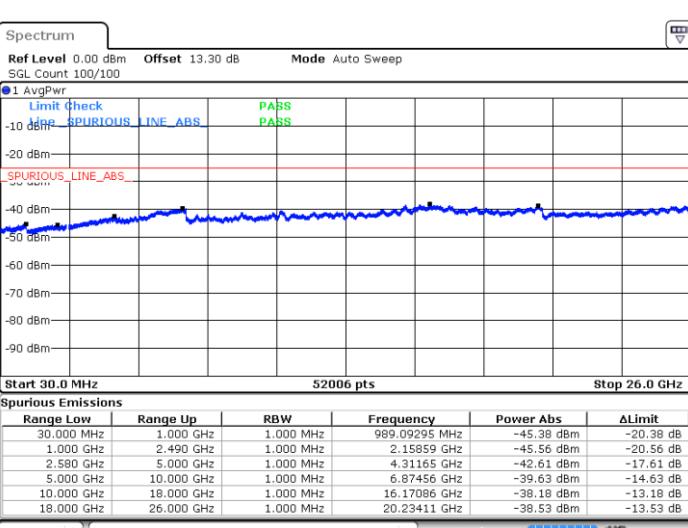




## LTE Band 7 / 15MHz

## Lowest Channel / 64QAM

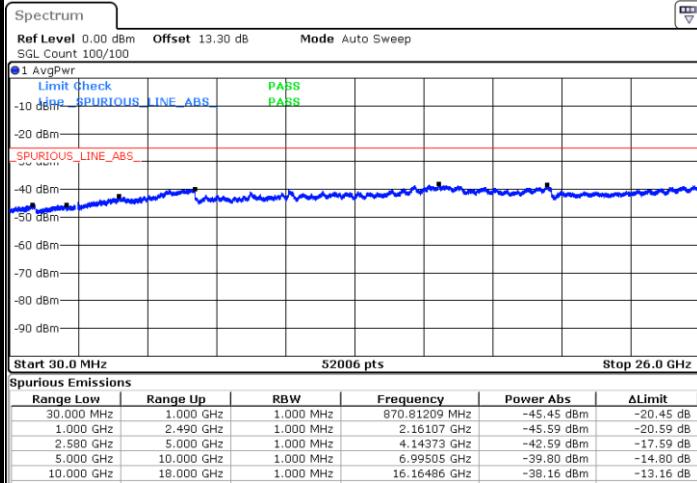
## Middle Channel / 64QAM



Date: 26.FEB.2018 22:09:36

Date: 26.FEB.2018 22:10:49

## Highest Channel / 64QAM



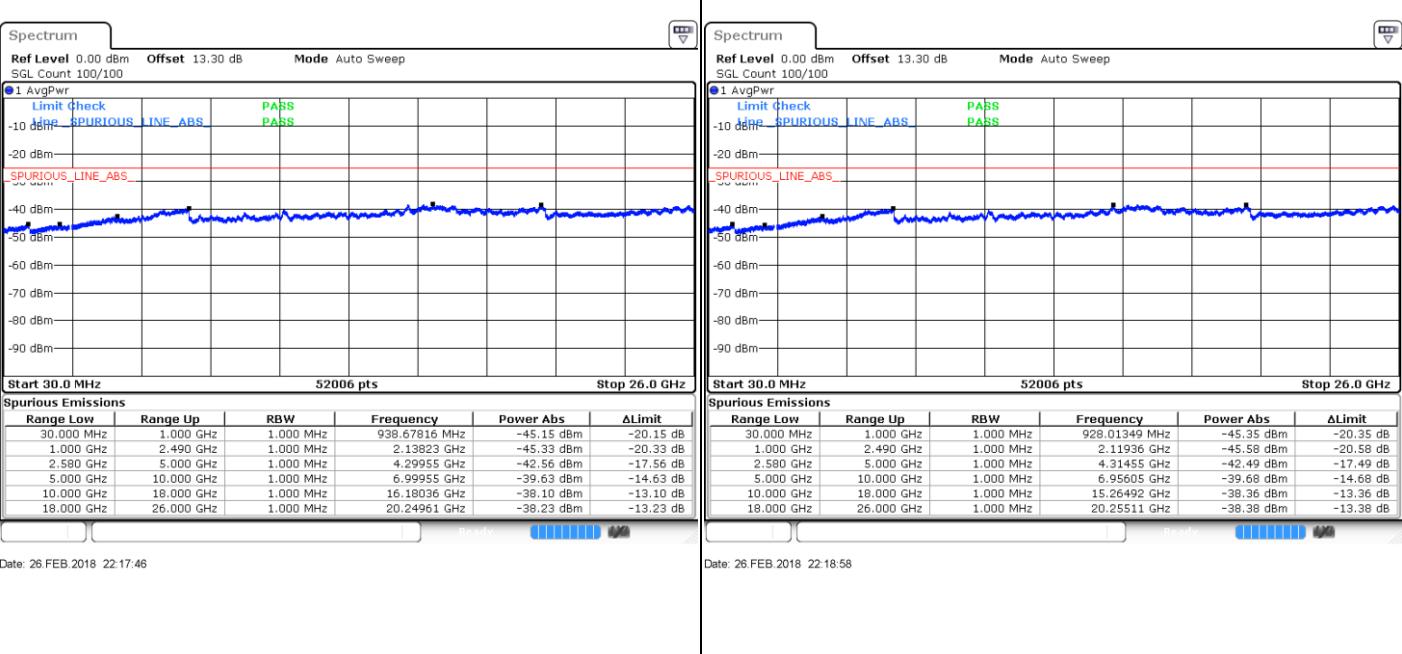
Date: 26.FEB.2018 22:14:17



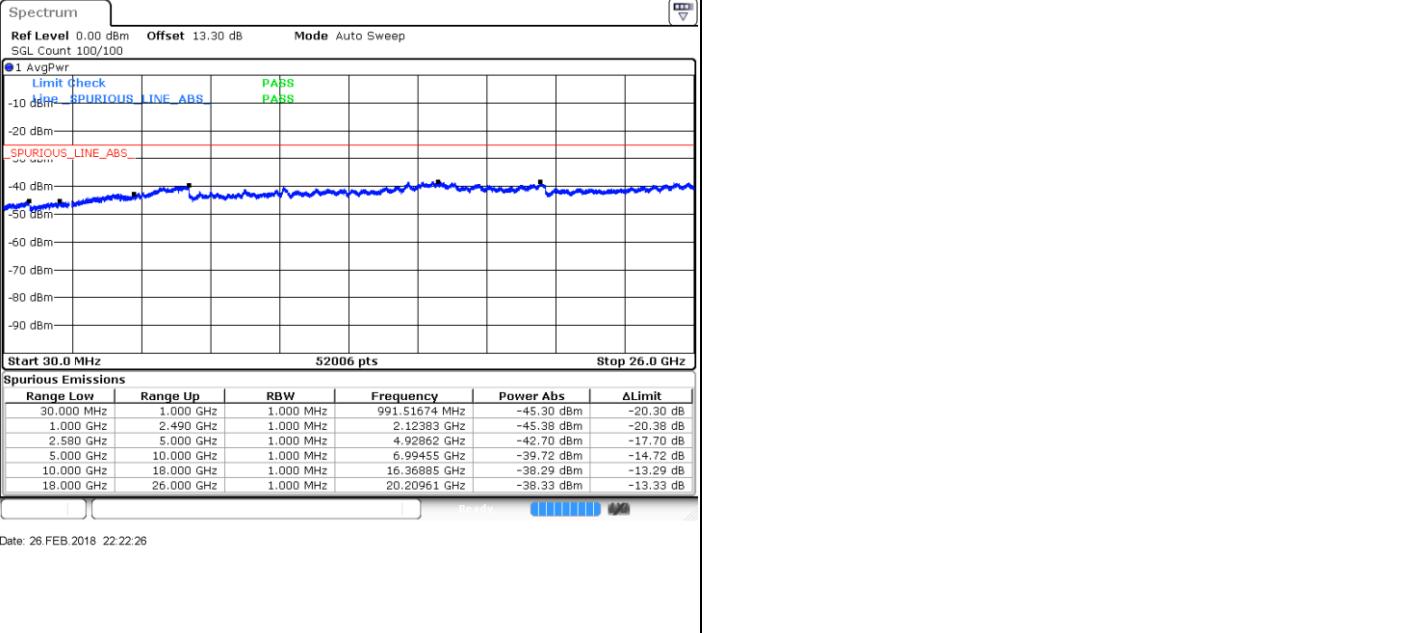
## LTE Band 7 / 20MHz

## Lowest Channel / 64QAM

## Middle Channel / 64QAM



## Highest Channel / 64QAM





## 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	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0036	

**Note:**

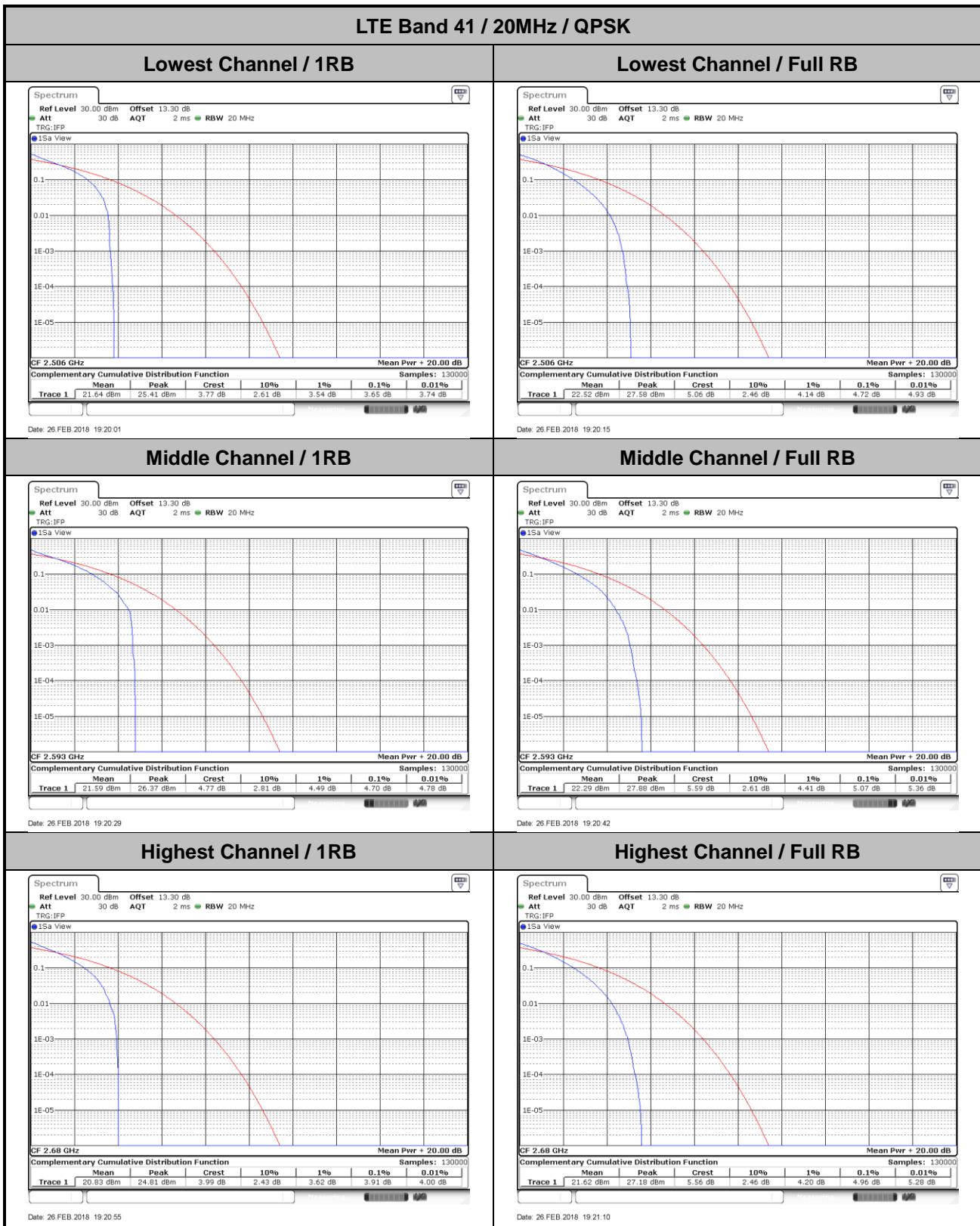
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

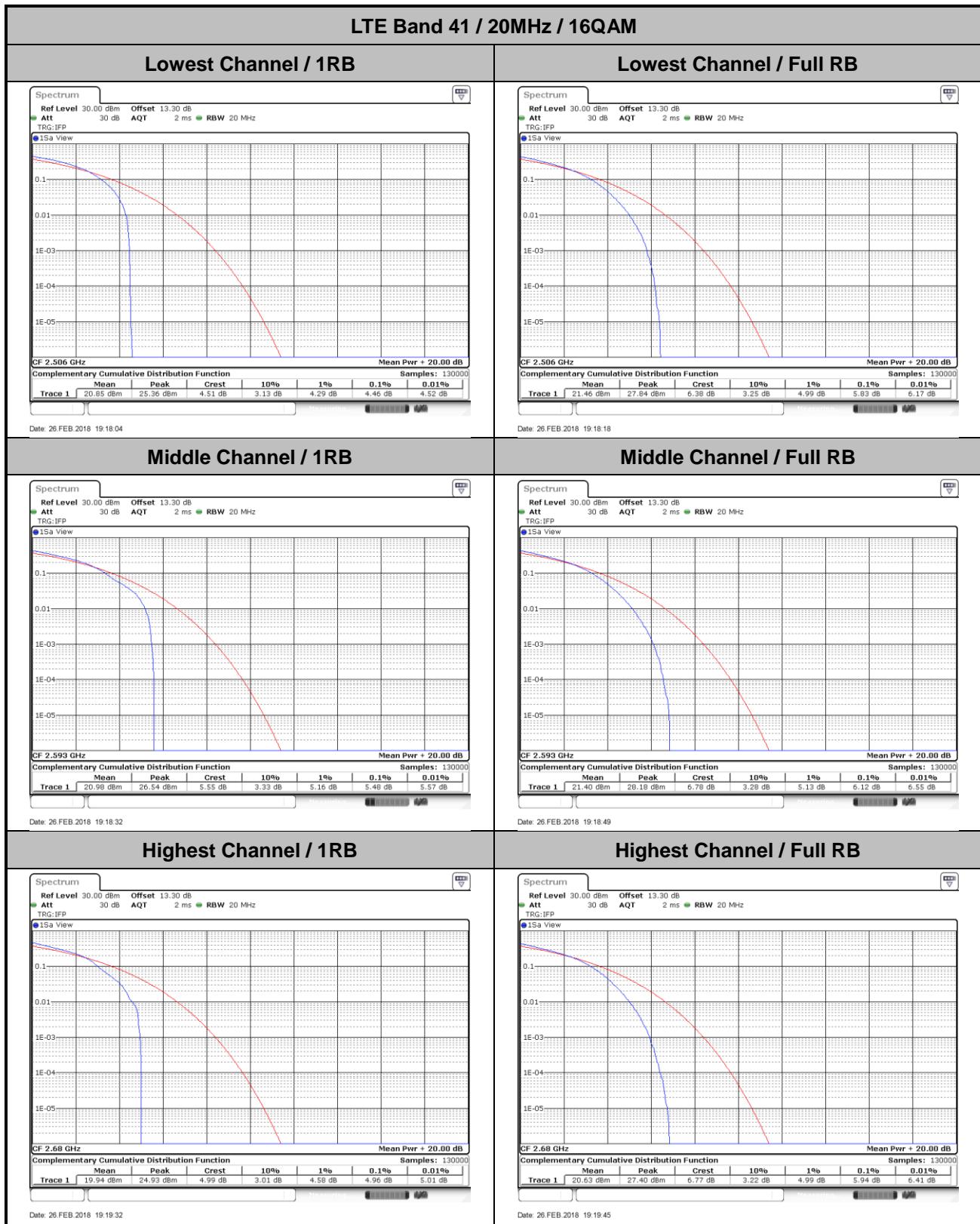


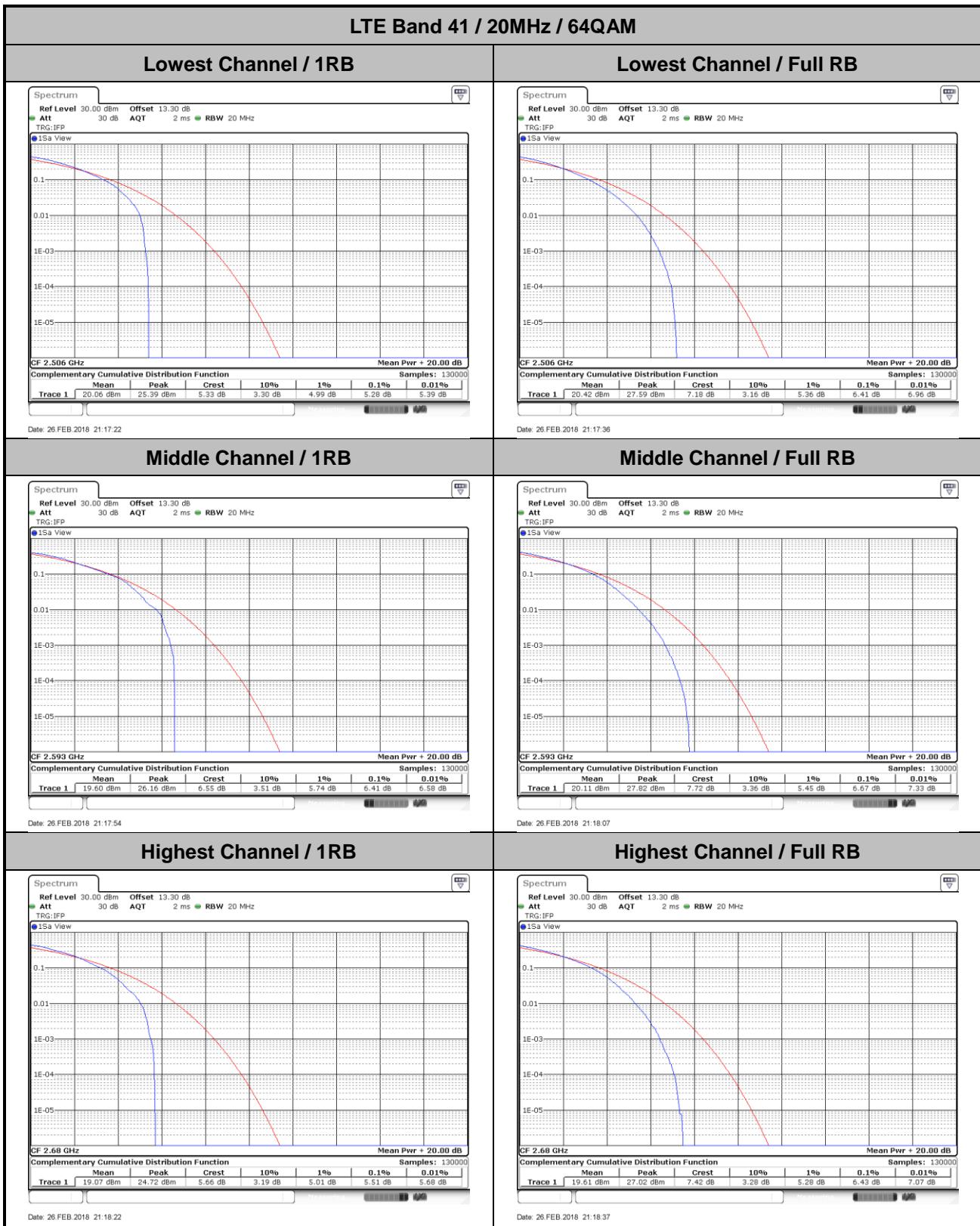
## LTE Band 41

### Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.65	4.72	4.46	5.83	PASS
Middle CH	4.70	5.07	5.48	6.12	
Highest CH	3.91	4.96	4.96	5.94	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.28	6.41	-	-	PASS
Middle CH	6.41	6.67	-	-	
Highest CH	5.51	6.43	-	-	





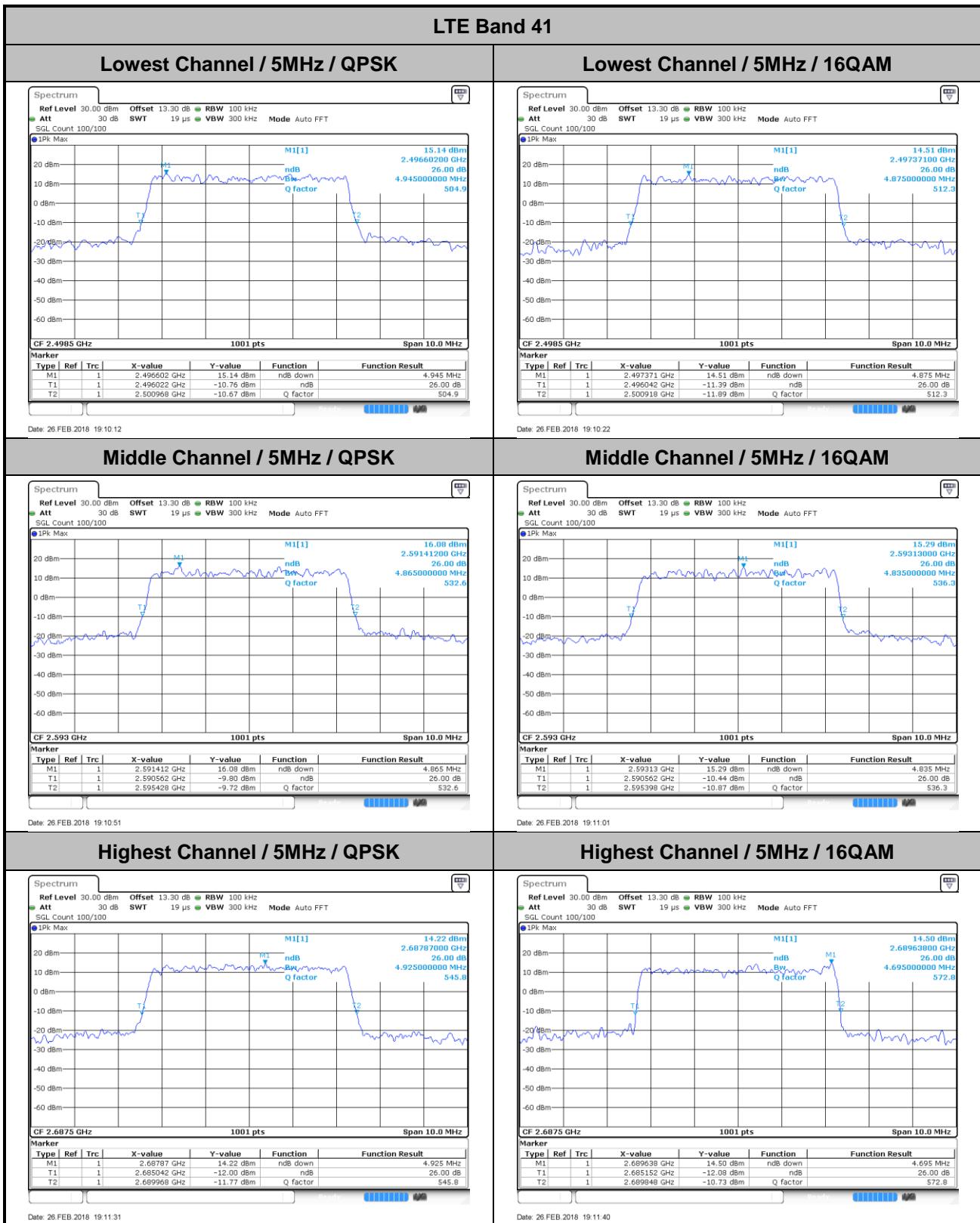


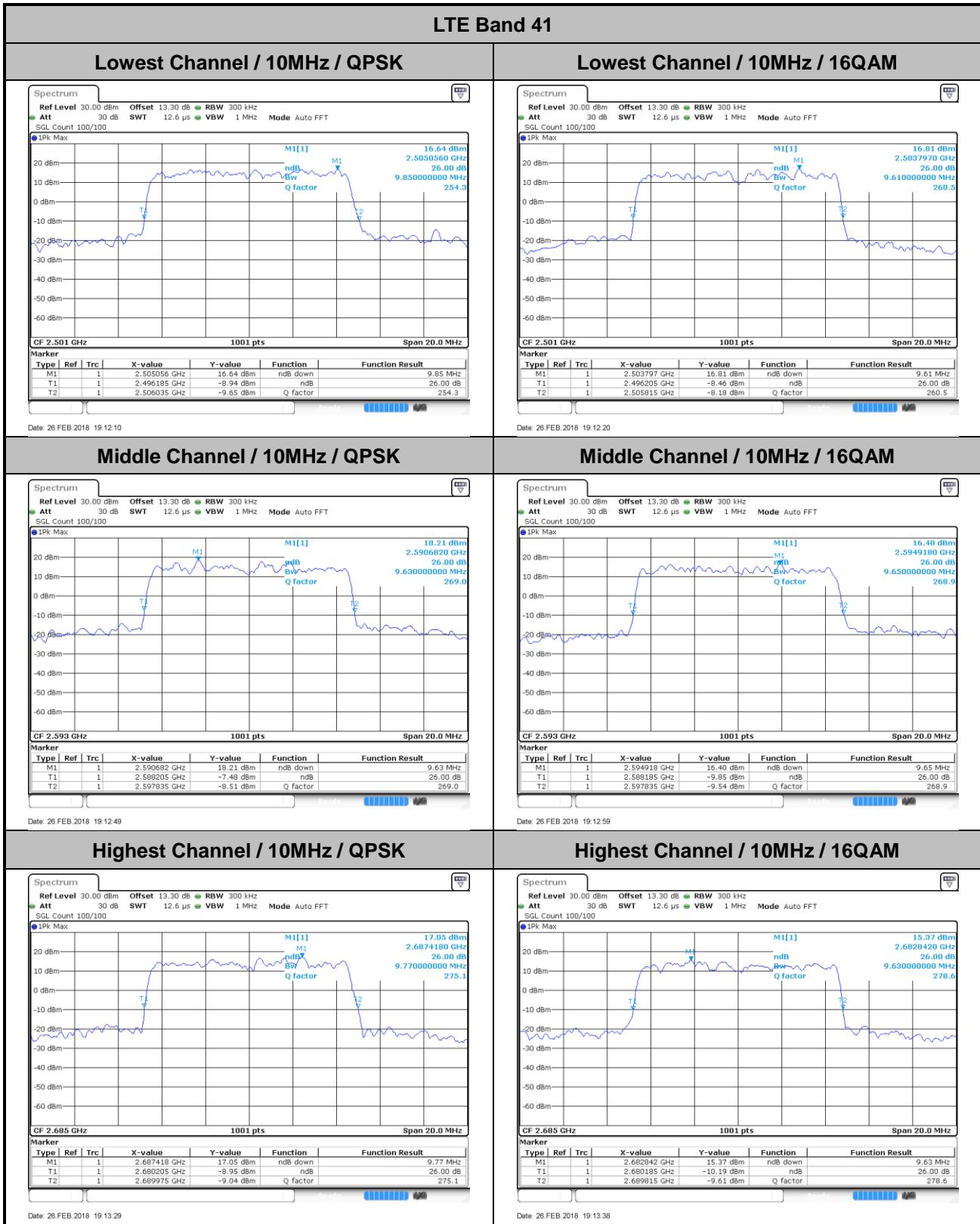
**26dB Bandwidth**

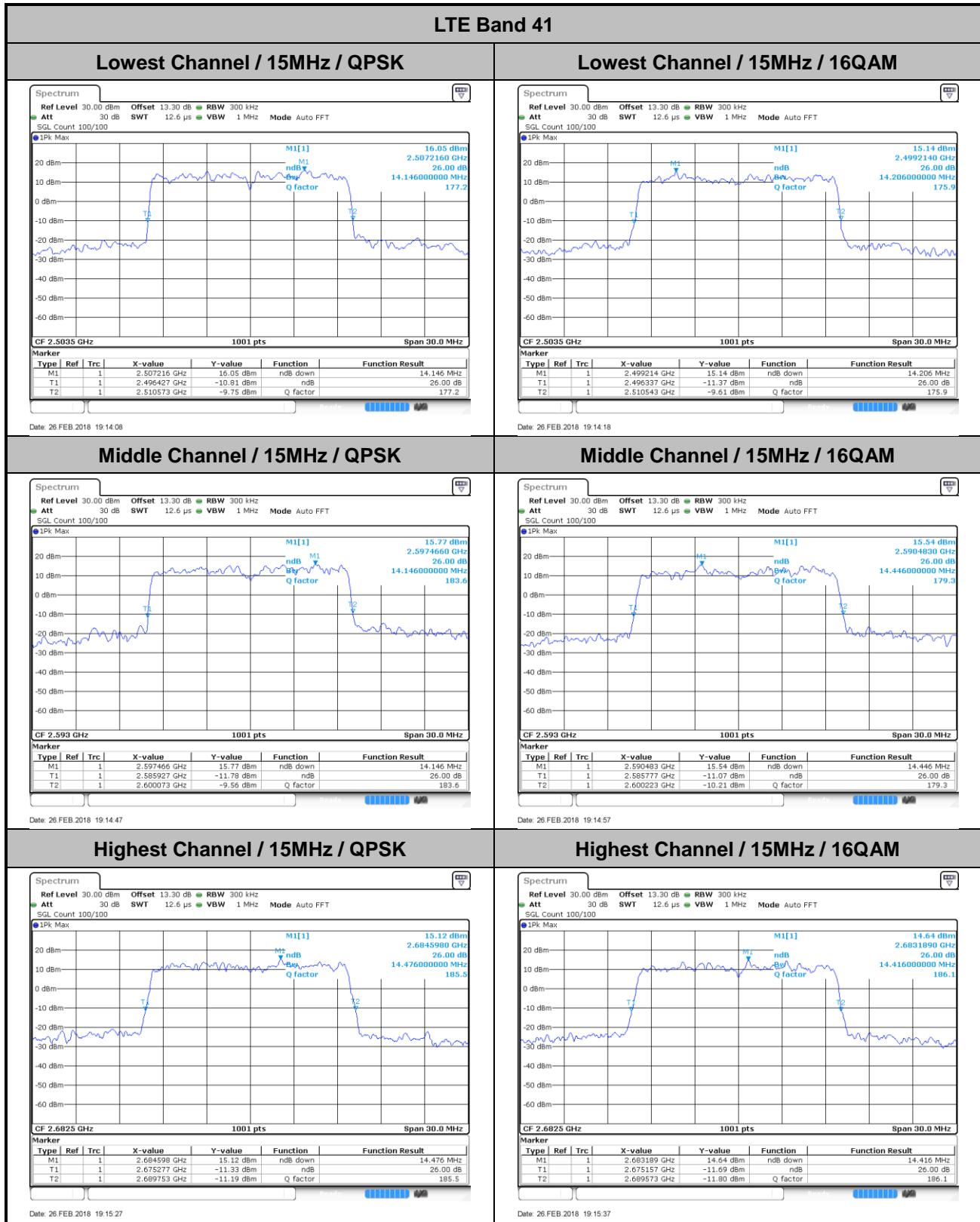
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.95	4.88	9.85	9.61	14.15	14.21	20.02	20.26
Middle CH	-	-	-	-	4.87	4.84	9.63	9.65	14.15	14.45	19.98	20.14
Highest CH	-	-	-	-	4.93	4.70	9.77	9.63	14.48	14.42	20.02	20.14

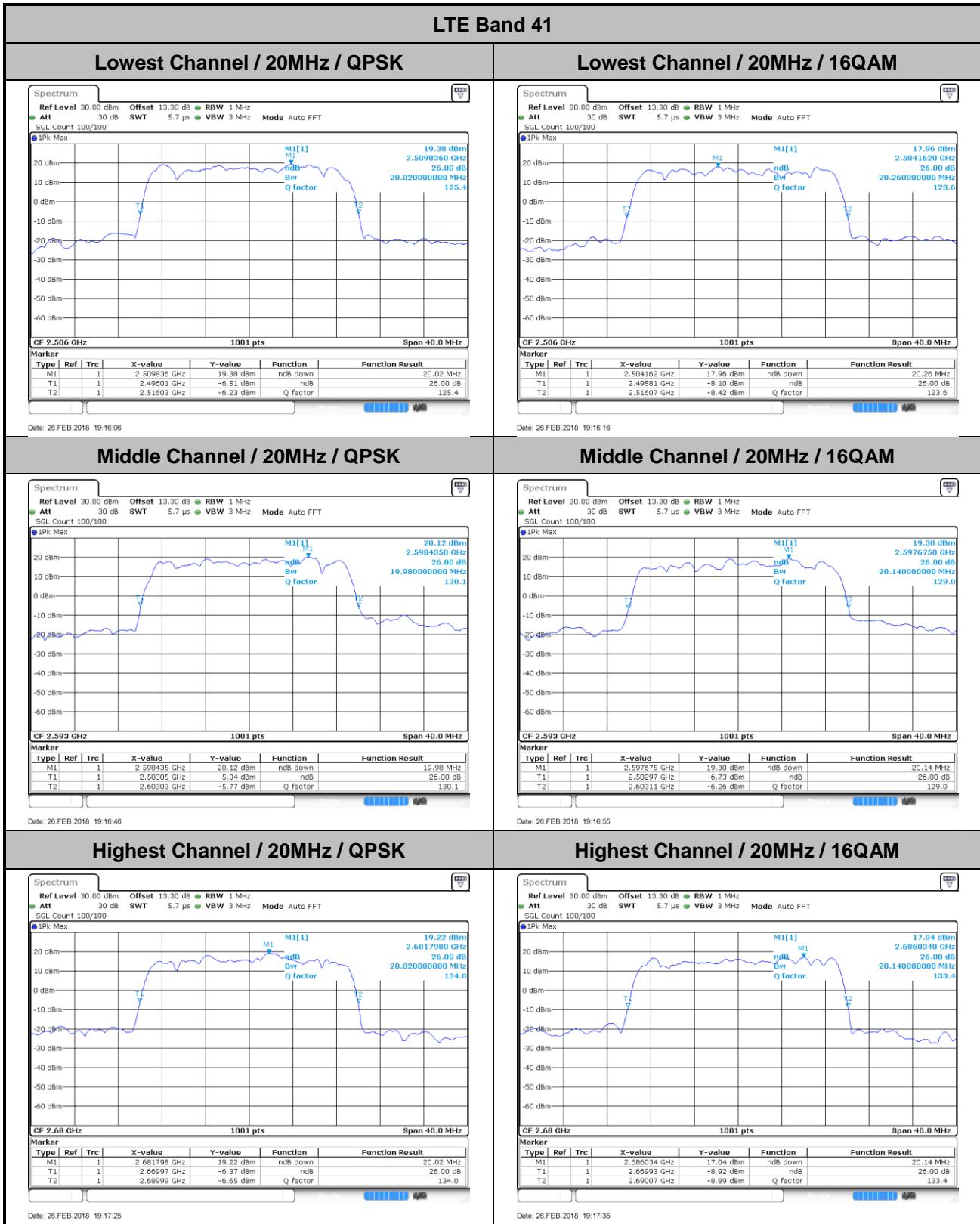
  

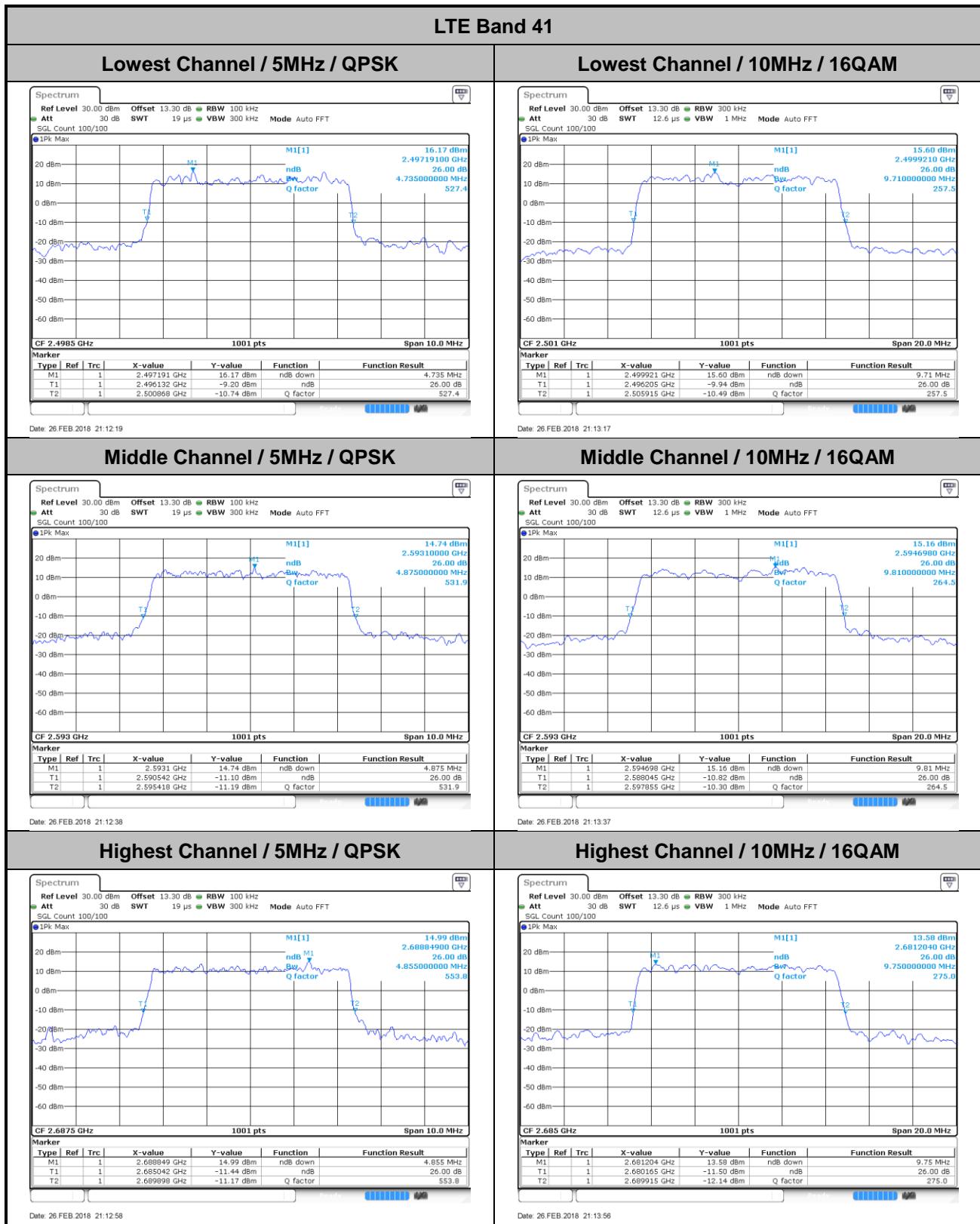
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.74	-	9.71	-	14.27	-	20.06	-
Middle CH	-	-	-	-	4.88	-	9.81	-	14.15	-	19.98	-
Highest CH	-	-	-	-	4.86	-	9.75	-	14.24	-	20.10	-

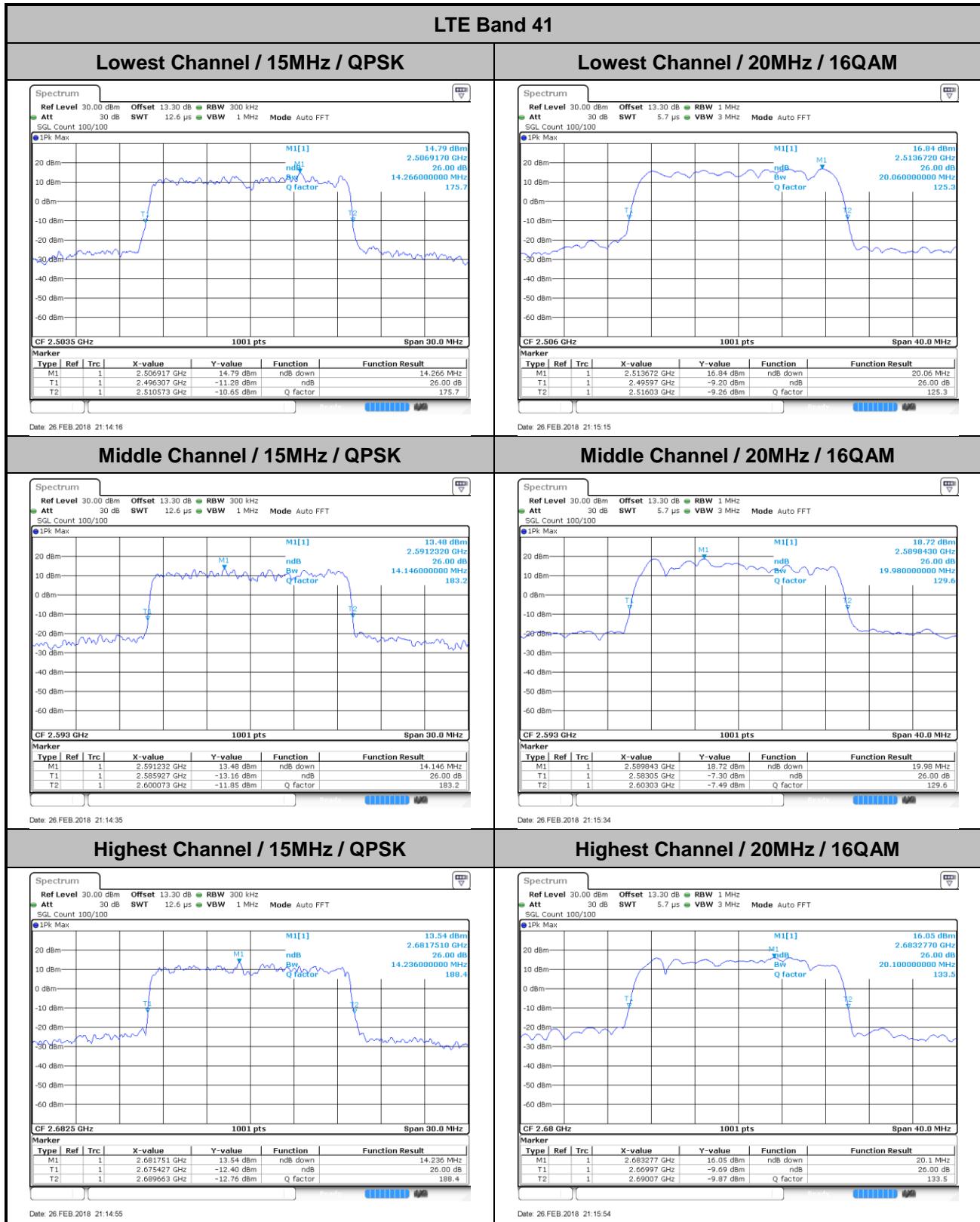












**Occupied Bandwidth**

Mode	LTE Band 41 : 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	-	-	-	-	4.50	4.49	8.97	8.93	13.40	13.40	18.26	18.30
Middle CH	-	-	-	-	4.48	4.52	9.03	9.03	13.37	13.37	18.30	18.38
Highest CH	-	-	-	-	4.53	4.51	9.07	9.03	13.40	13.37	18.42	18.38
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	8.99	-	13.46	-	18.26	-
Middle CH	-	-	-	-	4.51	-	9.01	-	13.40	-	18.38	-
Highest CH	-	-	-	-	4.51	-	9.01	-	13.40	-	18.34	-

