

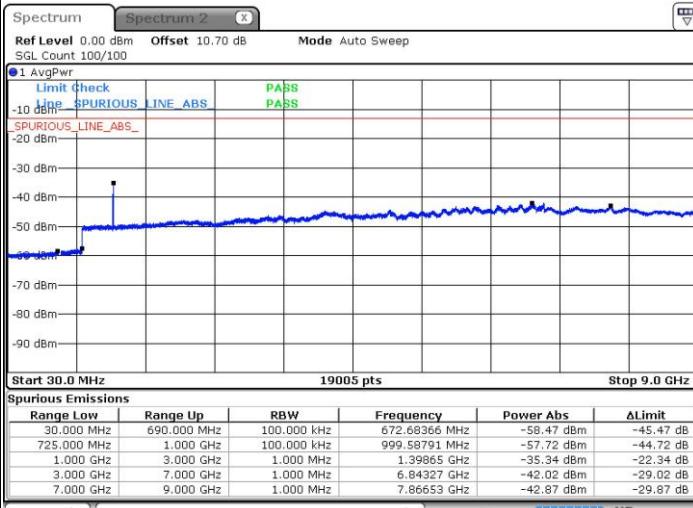
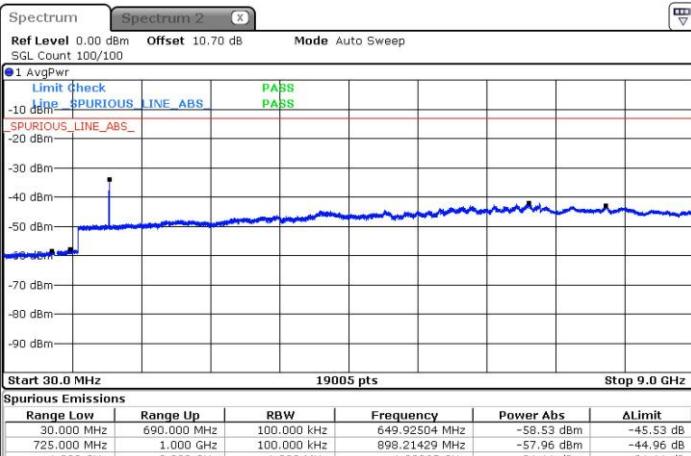


## Conducted Spurious Emission

### LTE Band 12 / 1.4MHz

#### Lowest Channel / QPSK

#### Lowest Channel / 16QAM

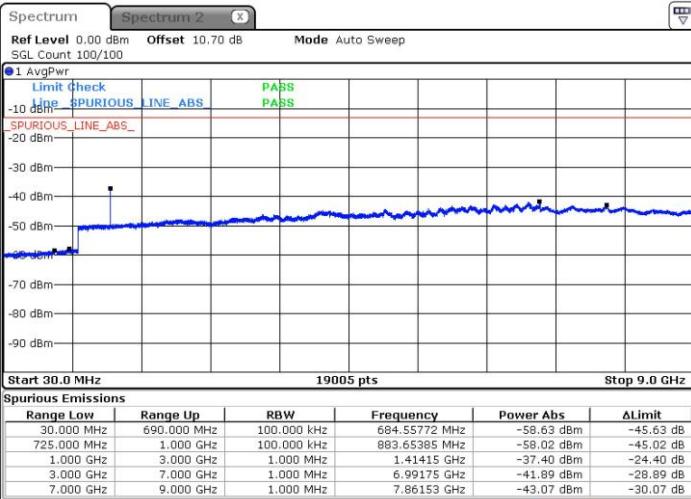


Date: 18 MAY 2017 22:08:10

Date: 18 MAY 2017 22:09:05

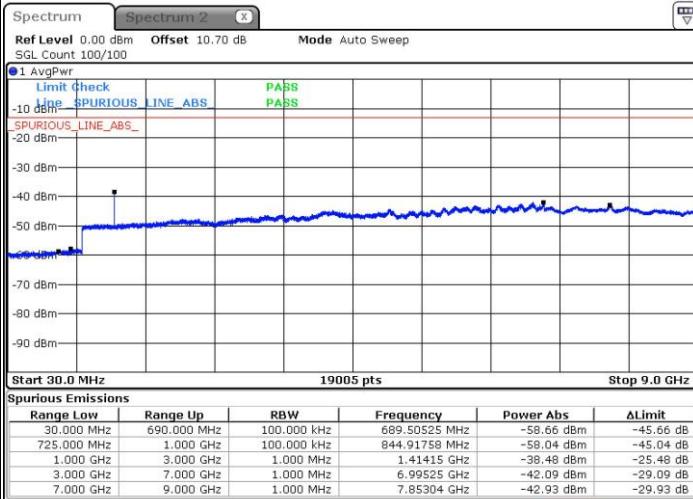
#### Middle Channel / QPSK

#### Middle Channel / 16QAM



Date: 18 MAY 2017 22:11:35

Date: 18 MAY 2017 22:10:40

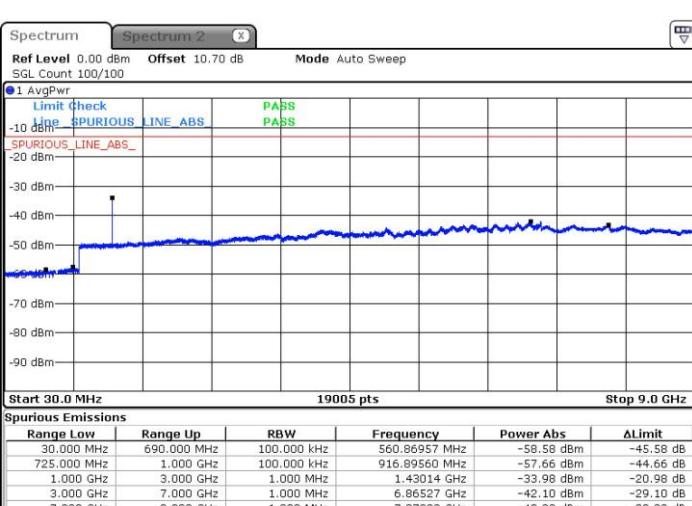




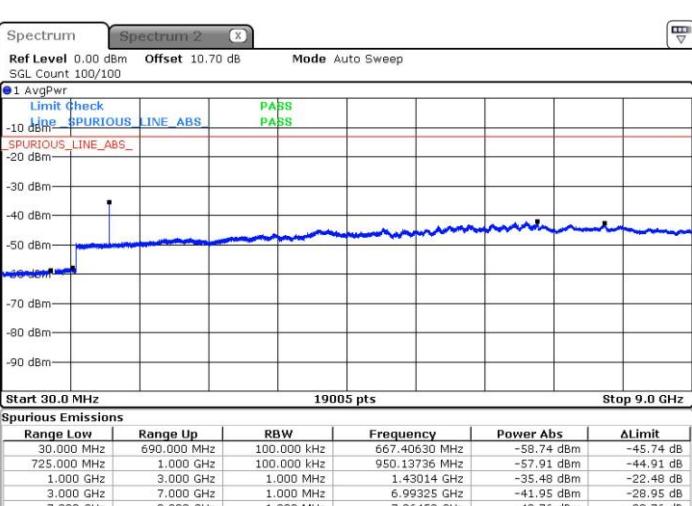
## LTE Band 12 / 1.4MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 18 MAY. 2017 22:17:47

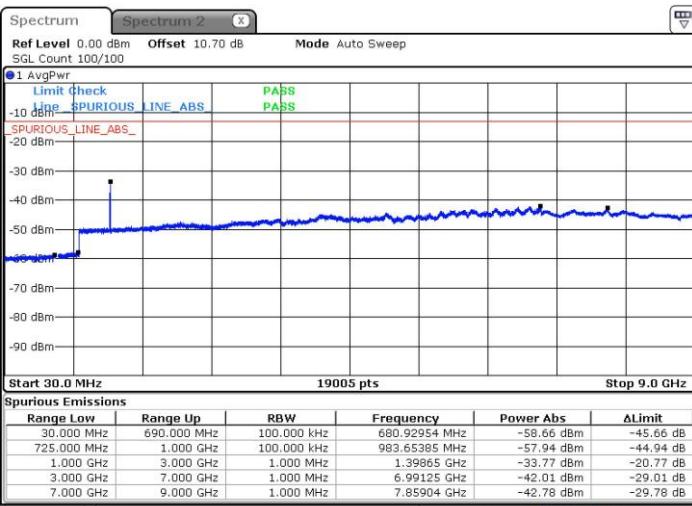


Date: 18 MAY. 2017 22:18:41

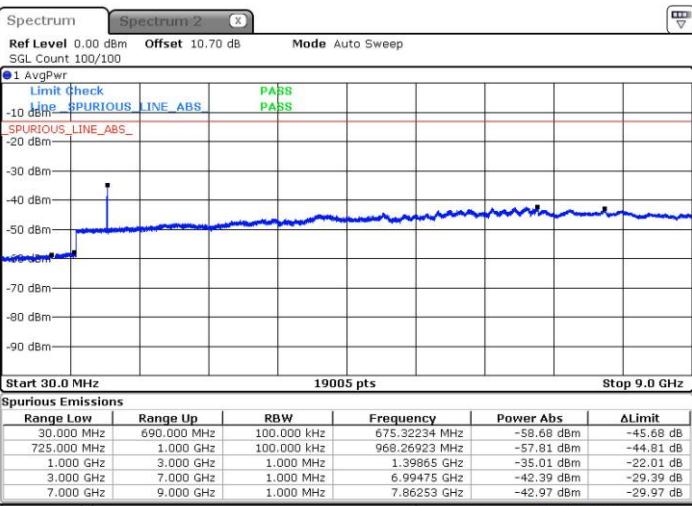
## LTE Band 12 / 3MHz

## Lowest Channel / QPSK

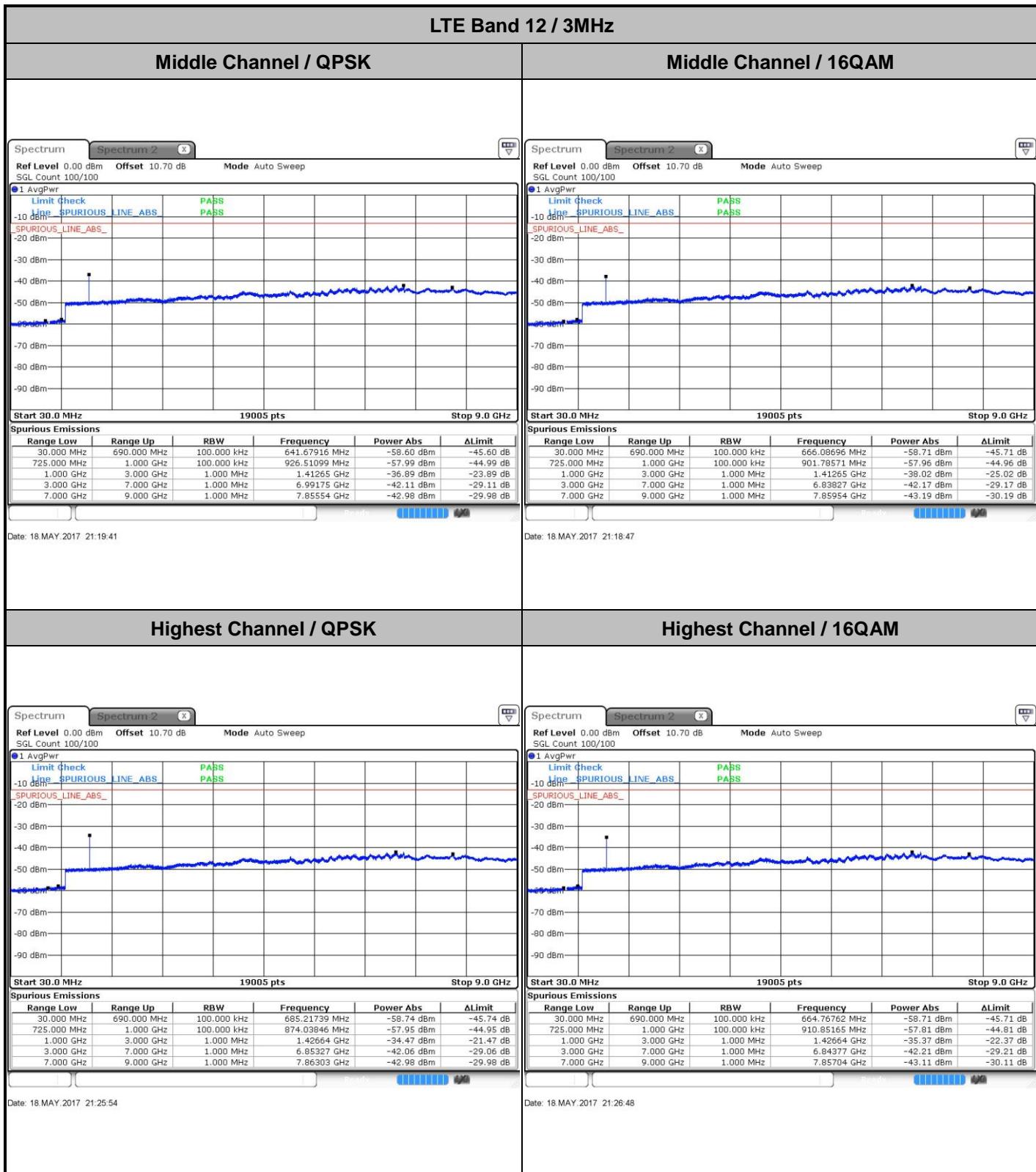
## Lowest Channel / 16QAM

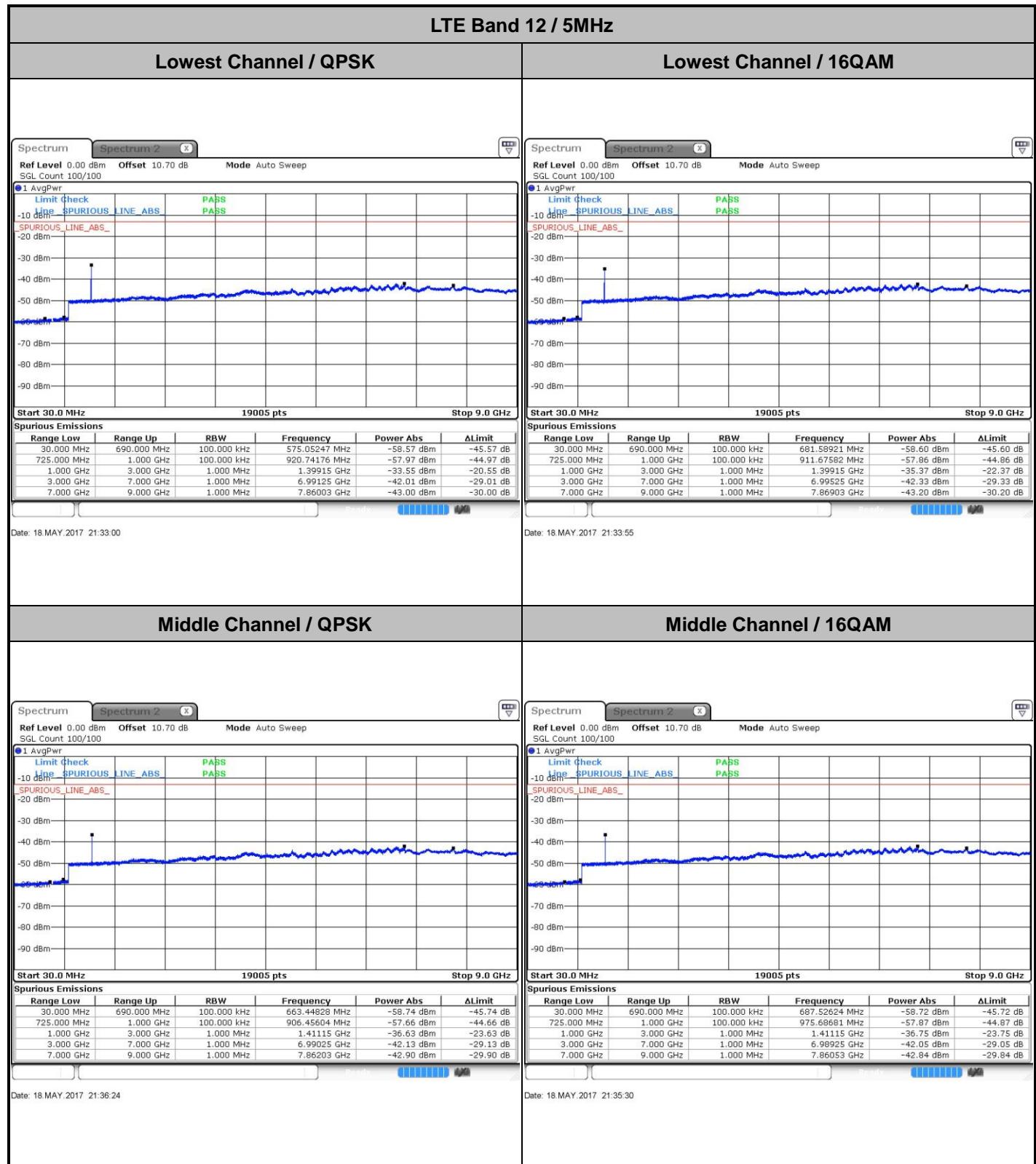


Date: 18 MAY. 2017 21:16:17



Date: 18 MAY. 2017 21:17:11



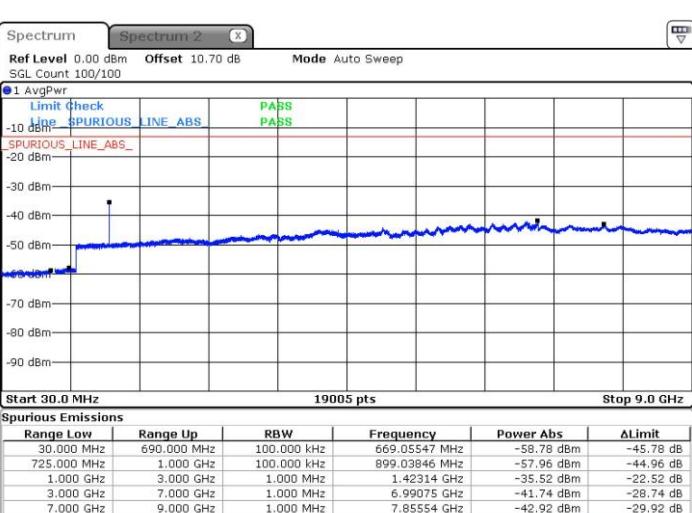
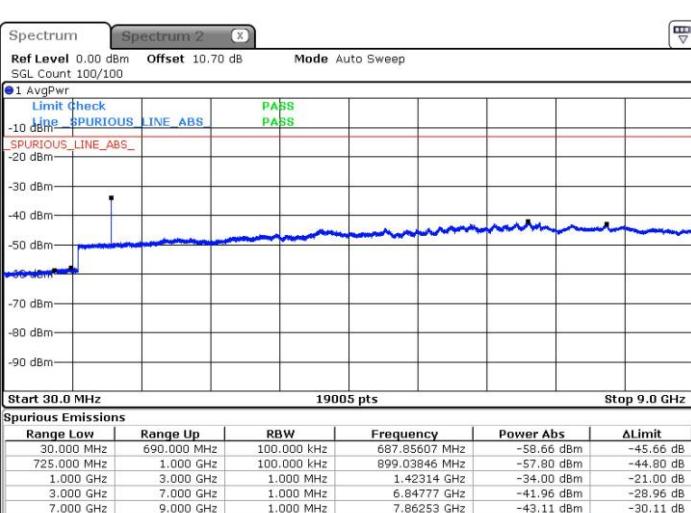




## LTE Band 12 / 5MHz

## Highest Channel / QPSK

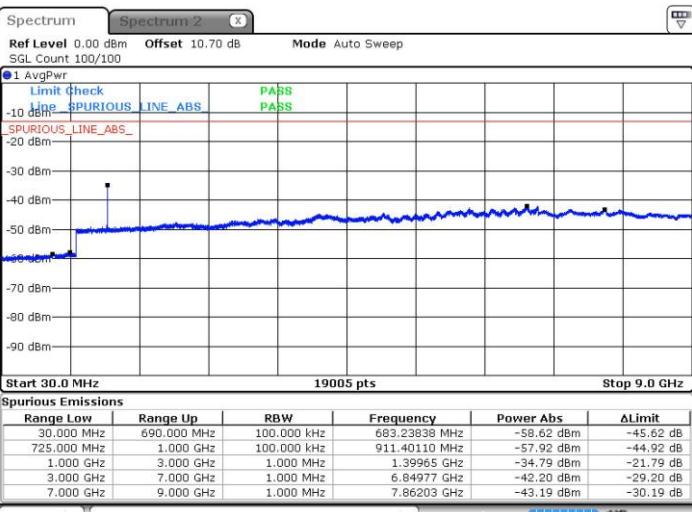
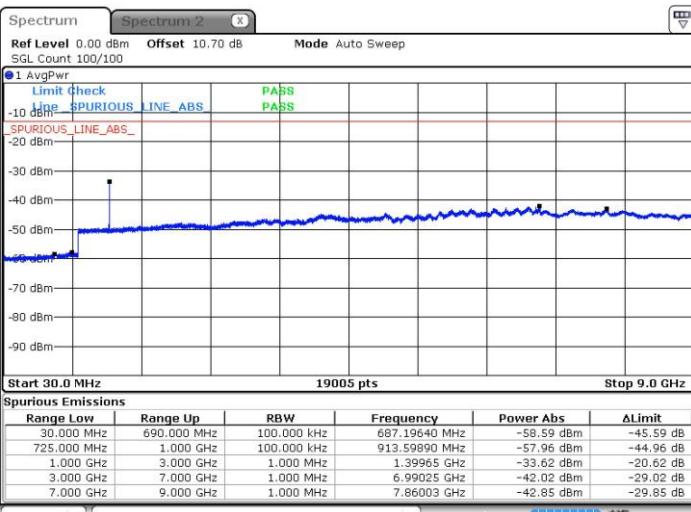
## Highest Channel / 16QAM

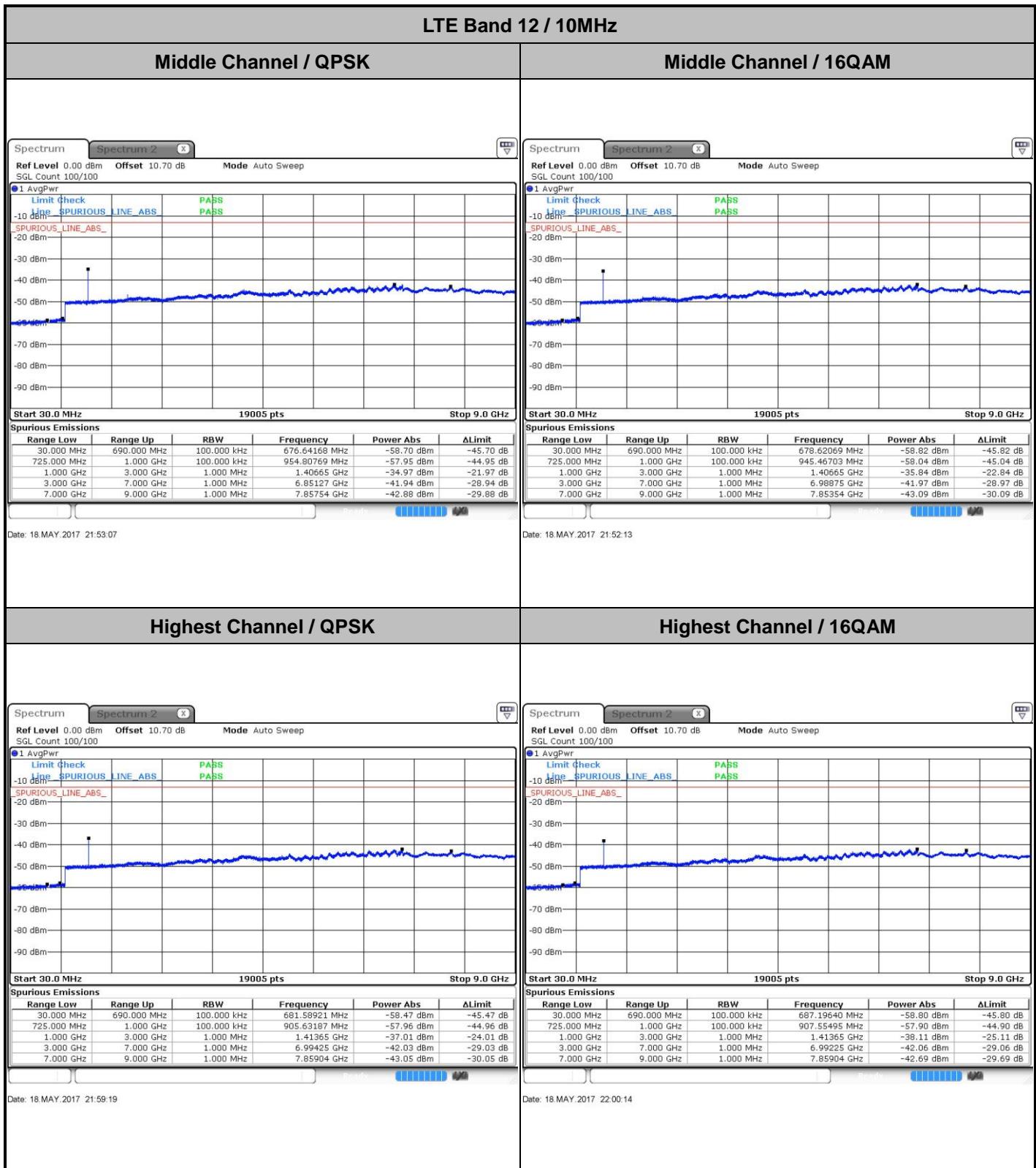


## LTE Band 12 / 10MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM







## Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0059	PASS
40	Normal Voltage	0.0047	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0055	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0057	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

**Note:**

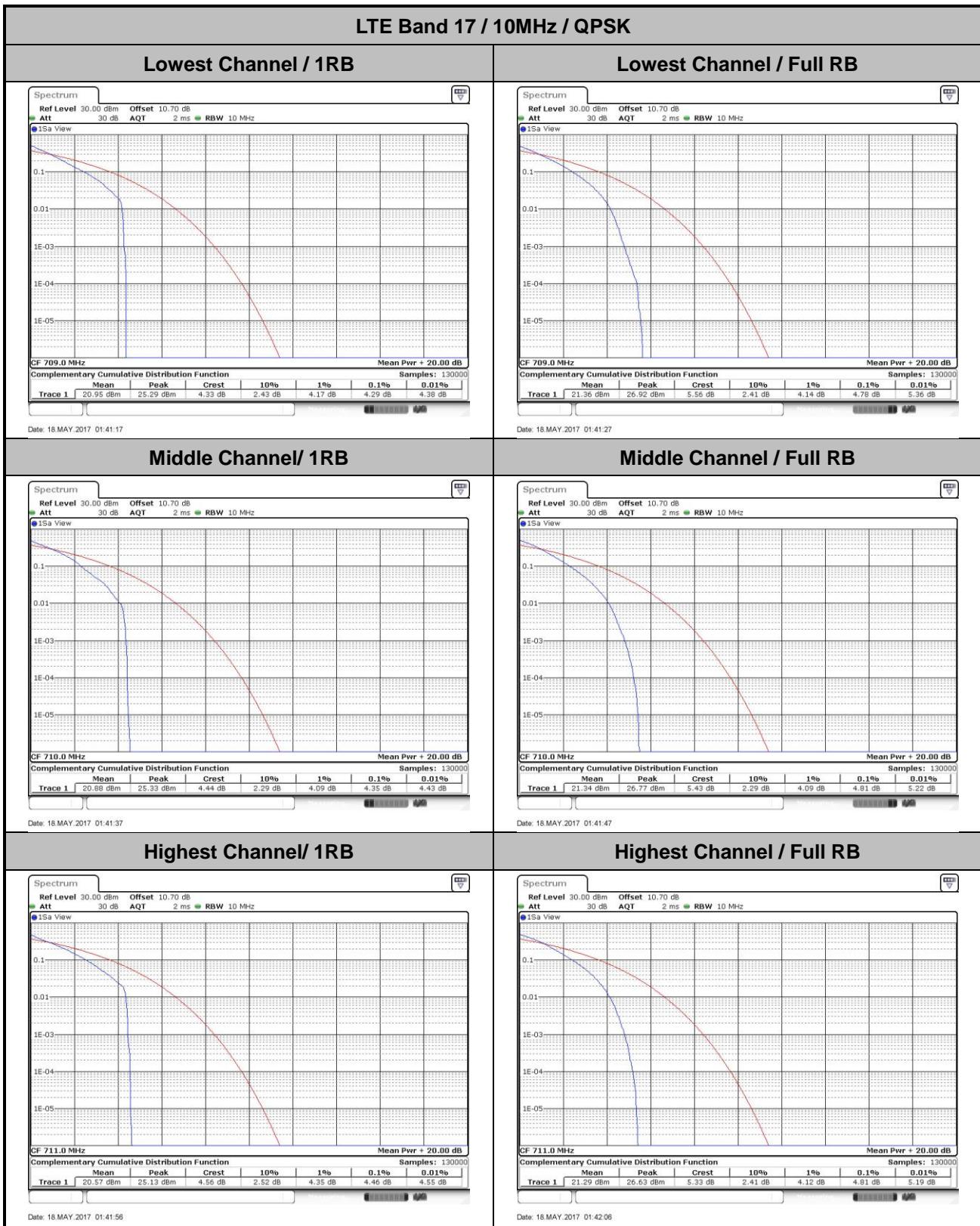
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

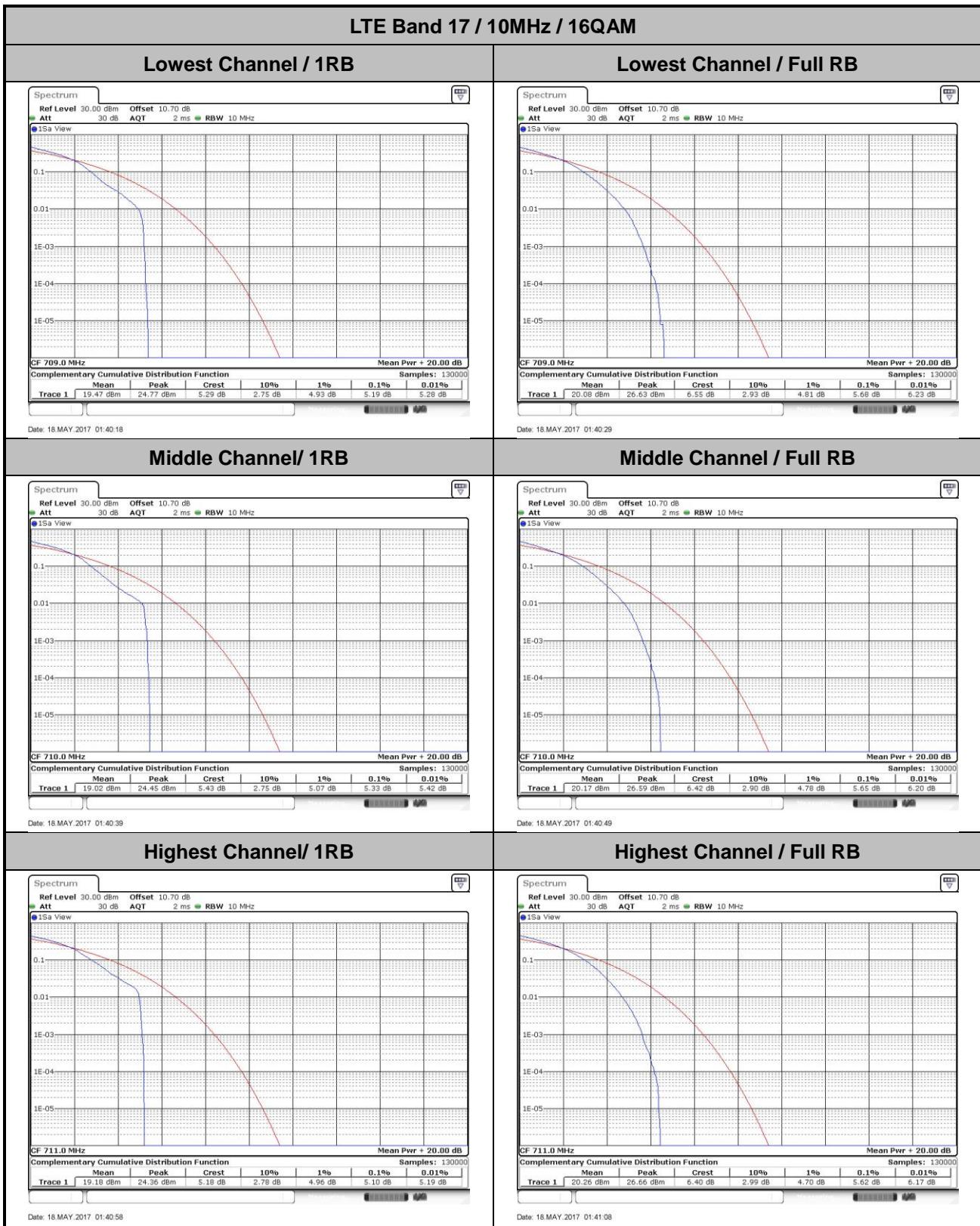


## LTE Band 17

### Peak-to-Average Ratio

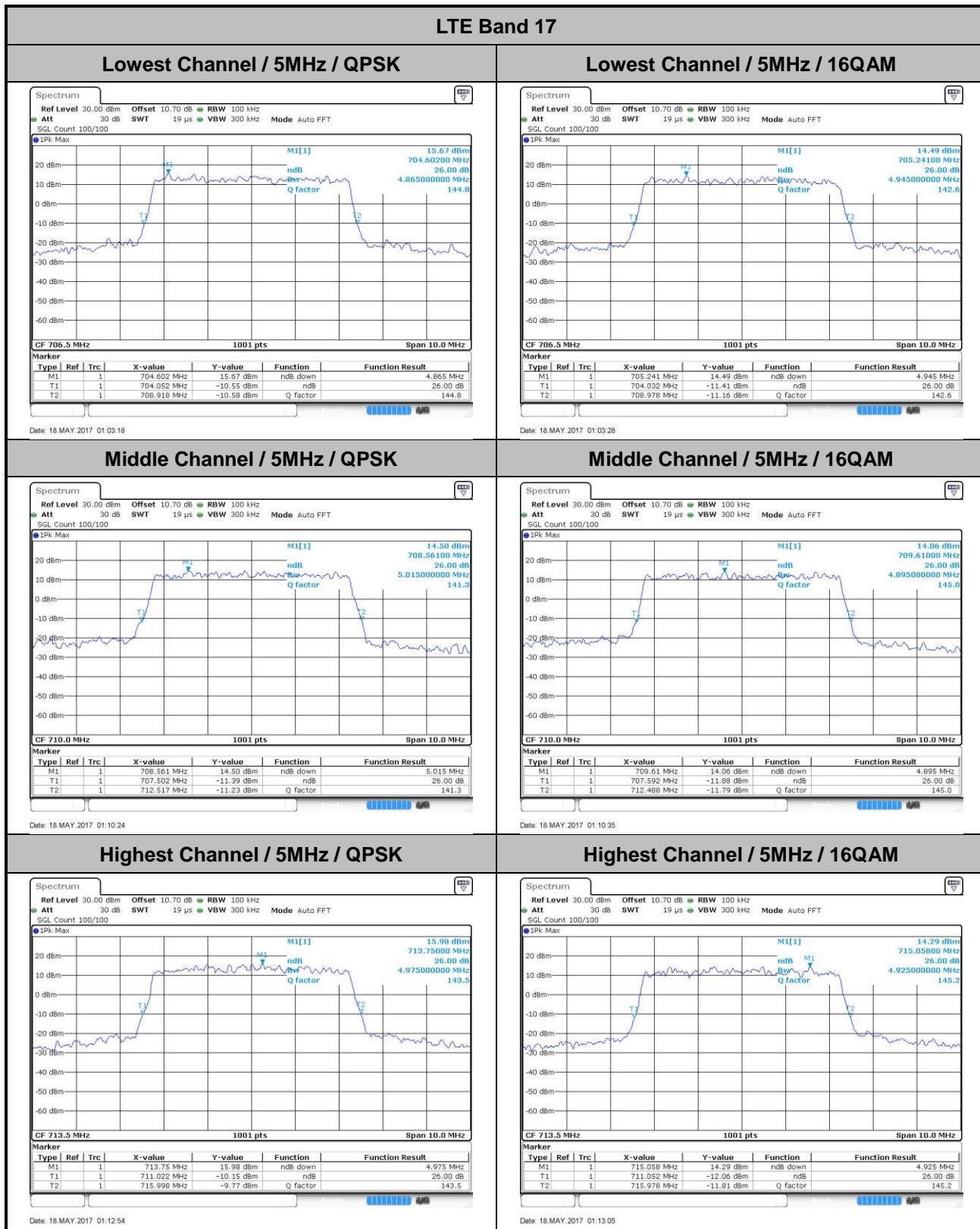
Mode	LTE Band 17 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.29	4.78	5.19	5.68	
Middle CH	4.35	4.81	5.33	5.65	PASS
Highest CH	4.46	4.81	5.1	5.62	

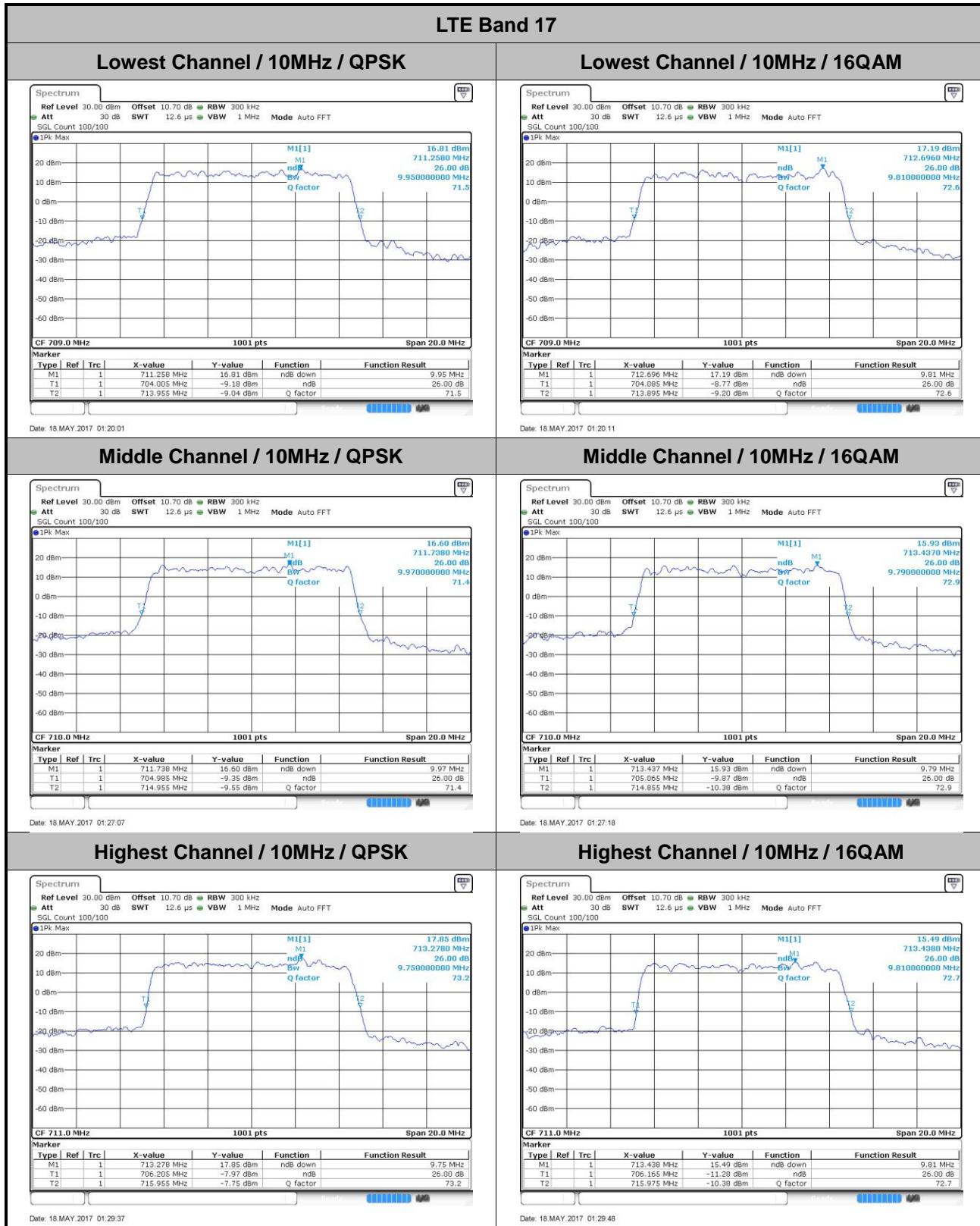




**26dB Bandwidth**

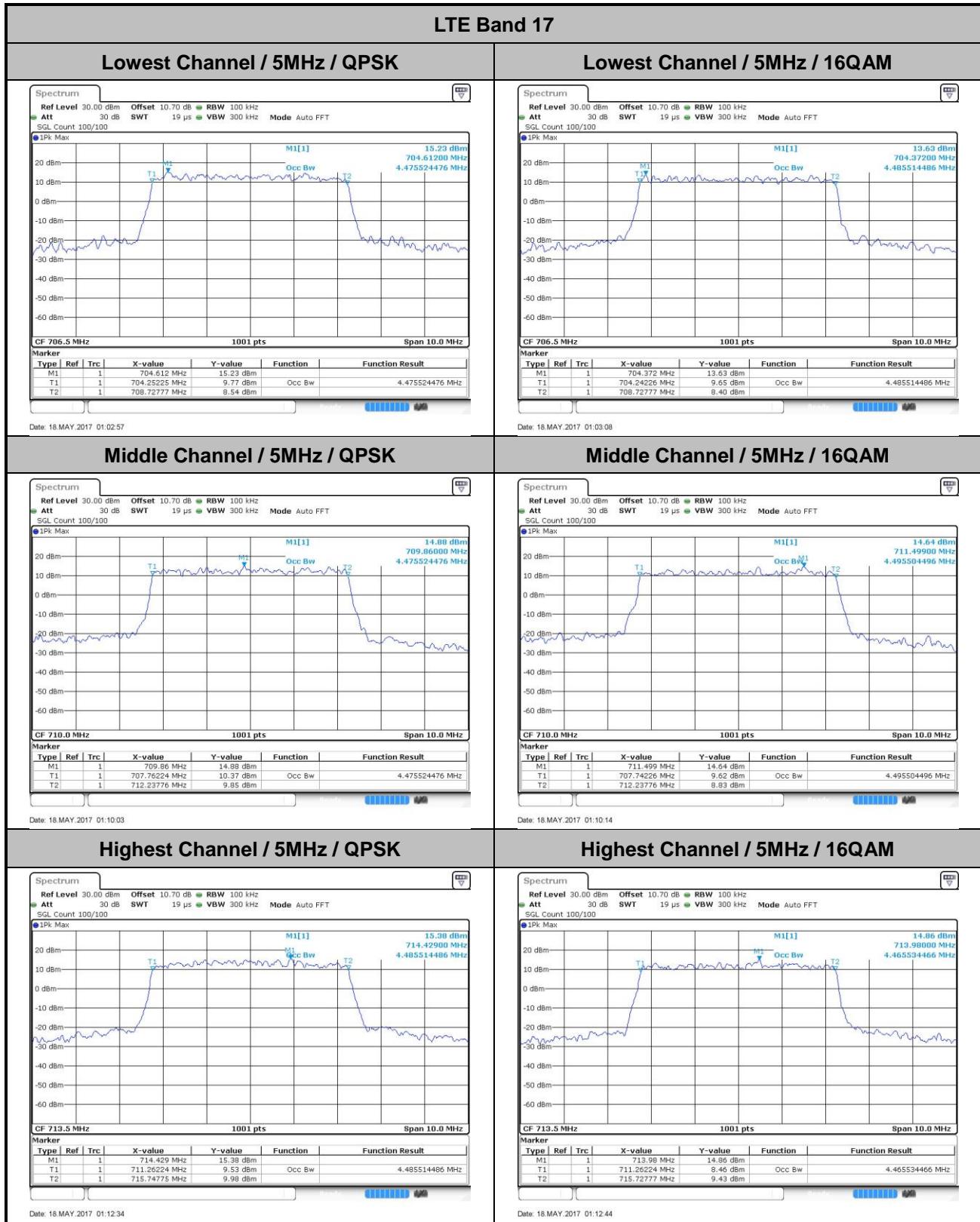
Mode	LTE Band 17 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.865	4.945	9.95	9.81	-	-	-	-
Middle CH	-	-	-	-	5.015	4.895	9.97	9.79	-	-	-	-
Highest CH	-	-	-	-	4.975	4.925	9.75	9.81	-	-	-	-

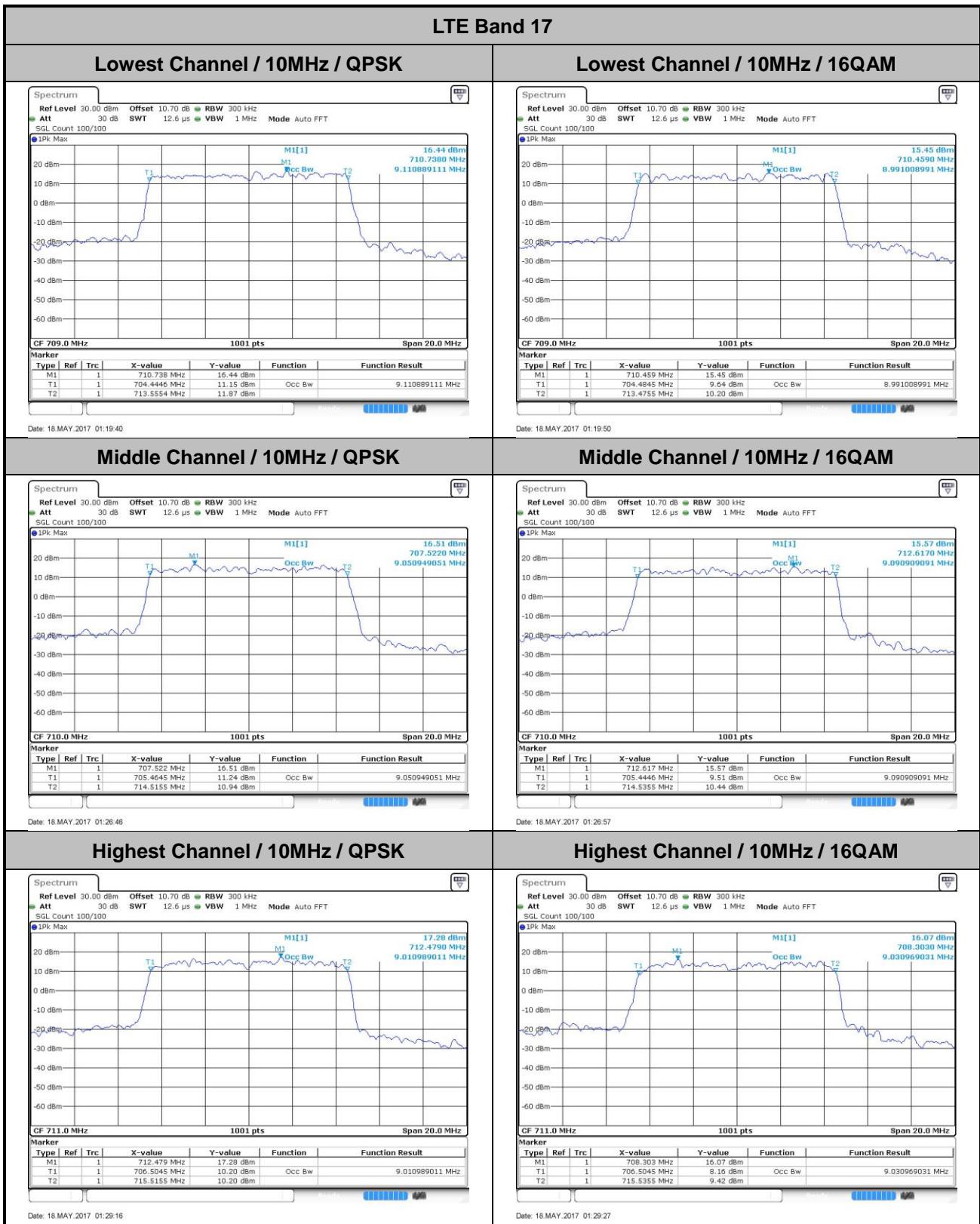




**Occupied Bandwidth**

Mode	LTE Band 17 : 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	9.11	8.99	-	-	-	-
Middle CH	-	-	-	-	4.48	4.5	9.05	9.09	-	-	-	-
Highest CH	-	-	-	-	4.49	4.47	9.01	9.03	-	-	-	-







## Conducted Band Edge

