

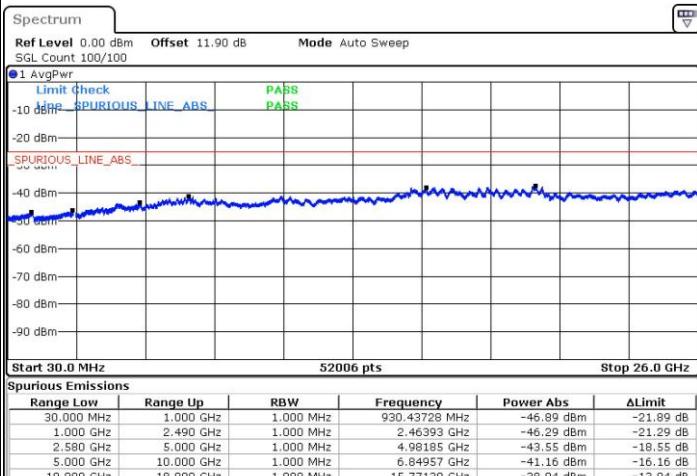
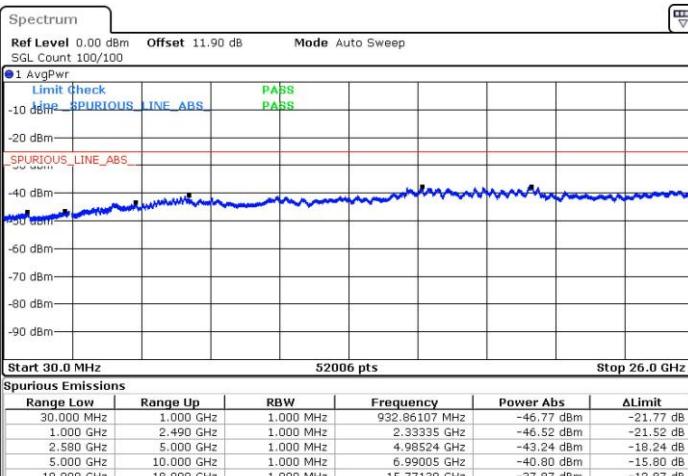


## Conducted Spurious Emission

### LTE Band 7 / 5MHz

#### Lowest Channel / QPSK

#### Lowest Channel / 16QAM

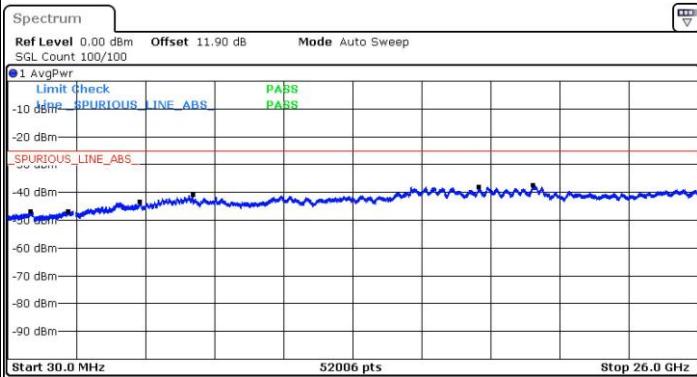
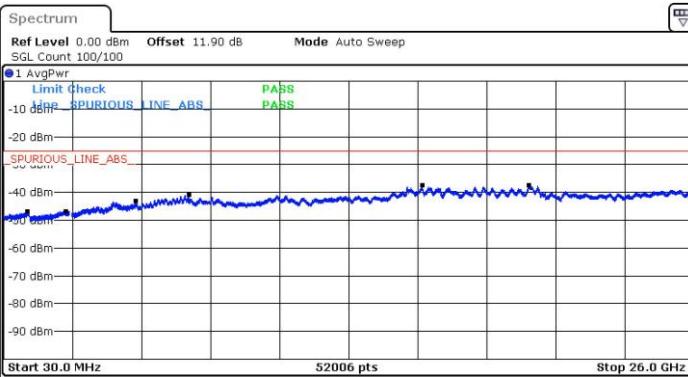


Date: 22 MAR 2017 19:29:44

Date: 22 MAR 2017 19:30:38

#### Middle Channel / QPSK

#### Middle Channel / 16QAM



Date: 22 MAR 2017 19:32:13

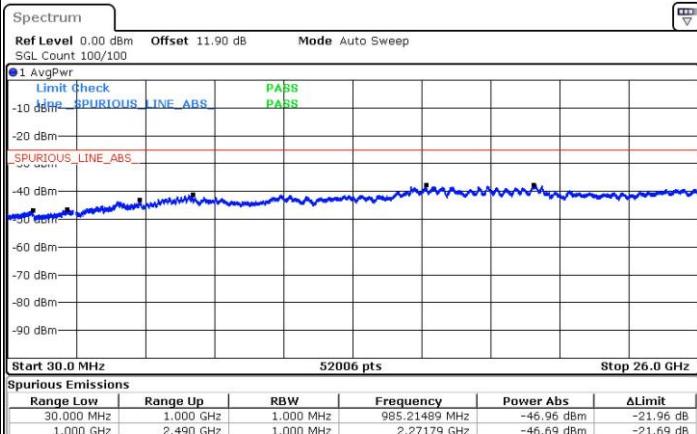
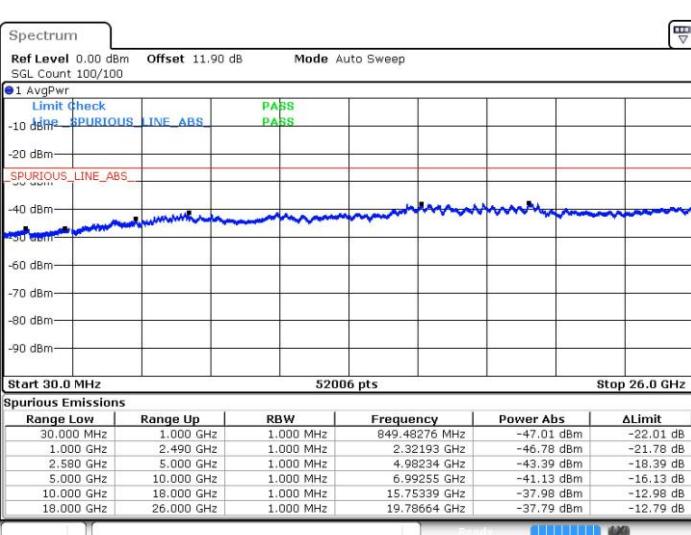
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## LTE Band 7 / 5MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



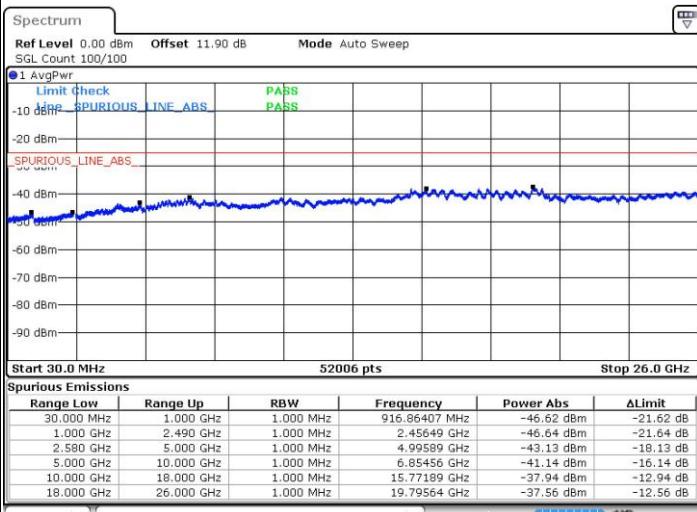
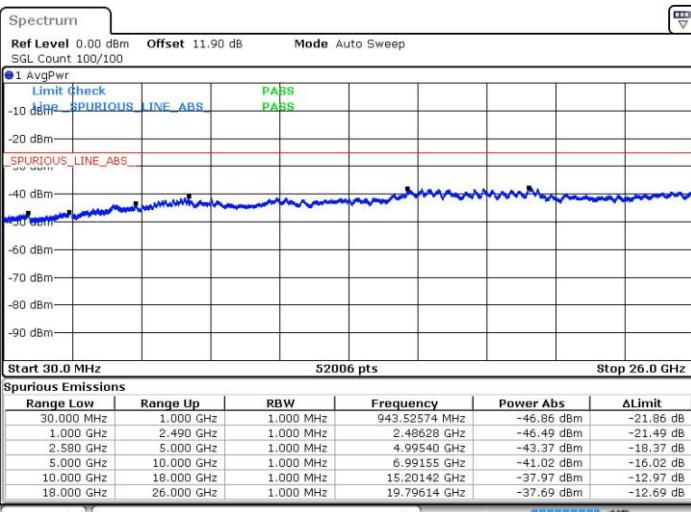
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Date: 22.MAR.2017 19:40:15

## LTE Band 7 / 10MHz

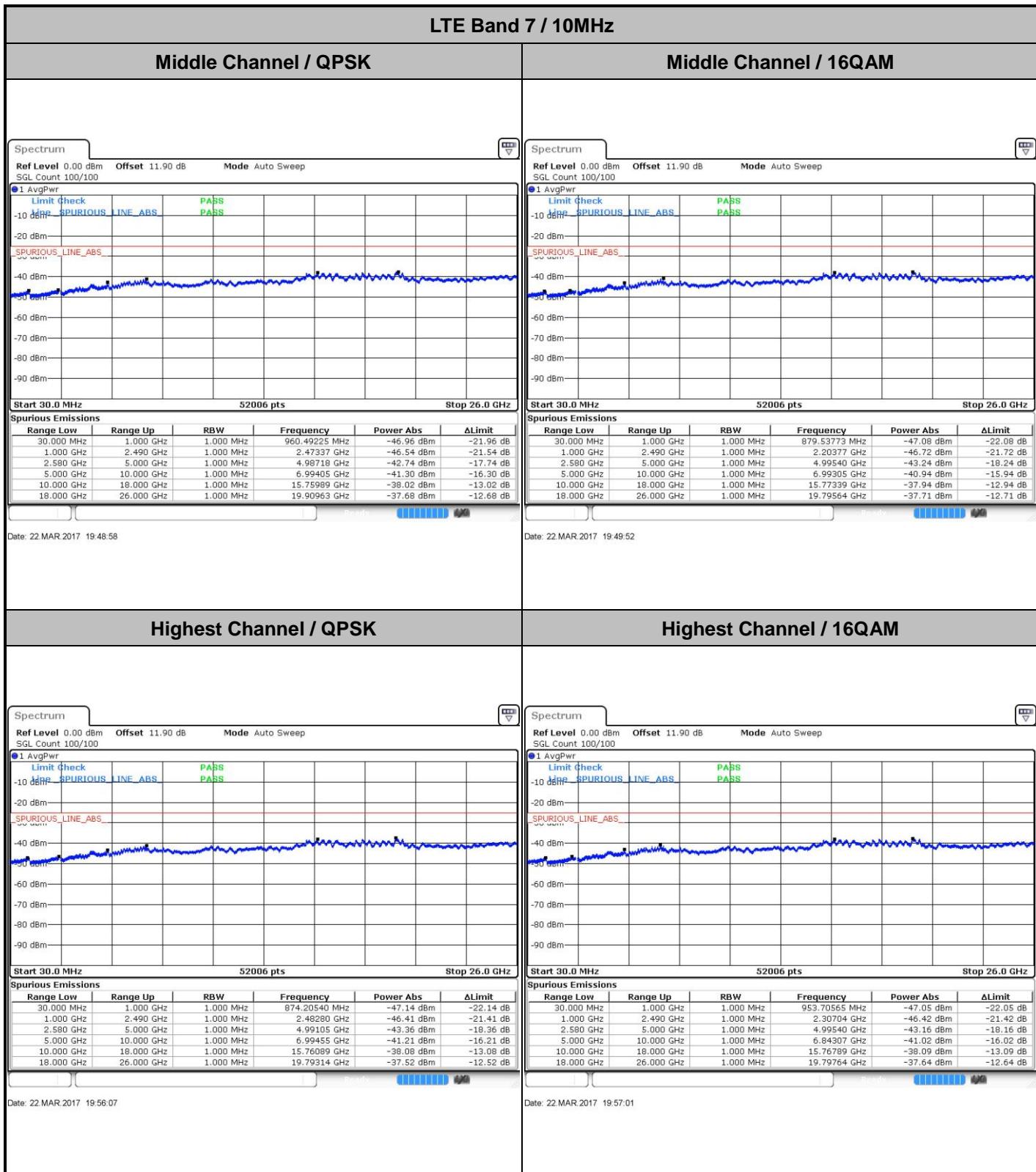
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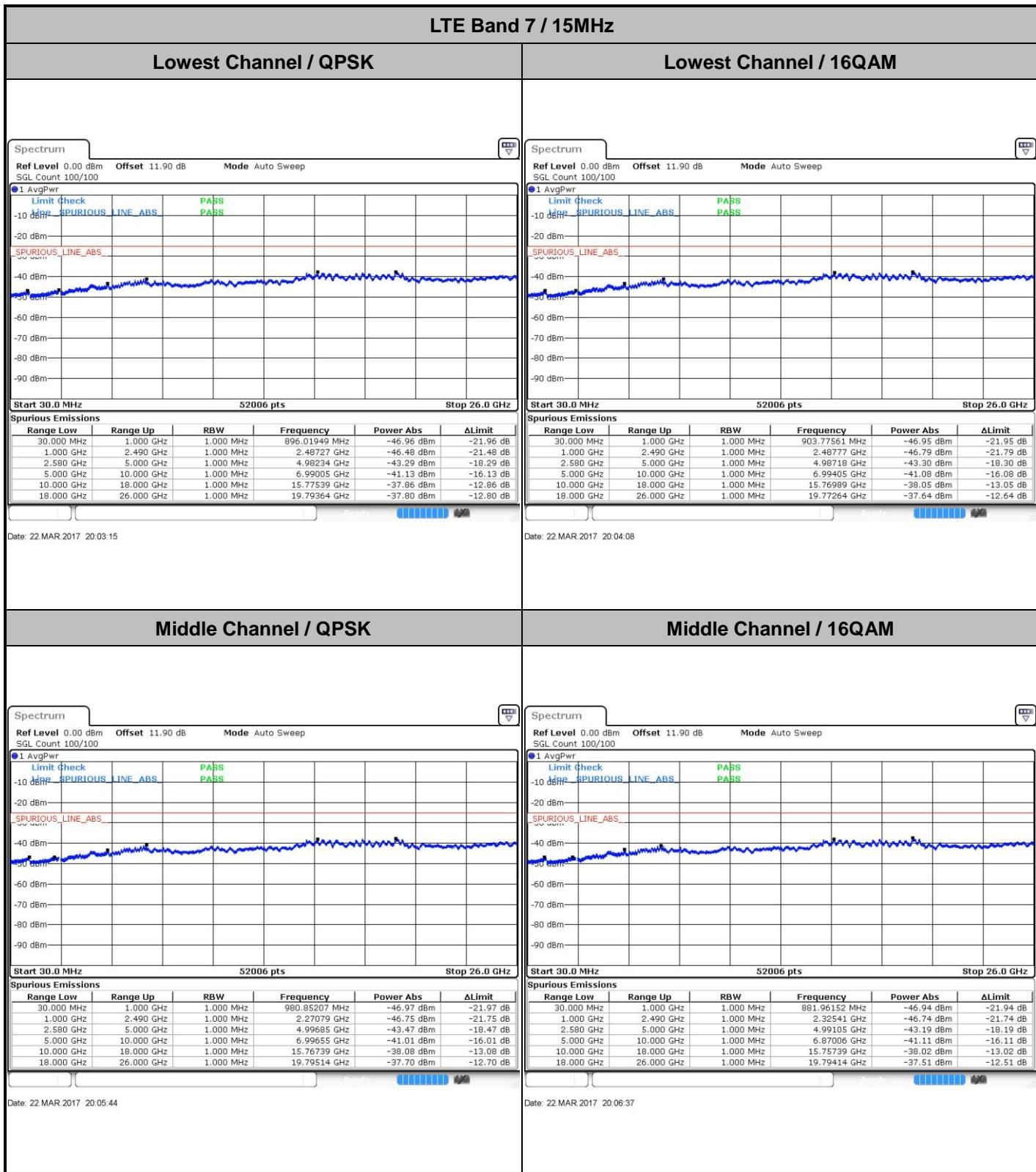
## Lowest Channel / 16QAM



Date: 22.MAR.2017 19:46:29

Date: 22.MAR.2017 19:47:23



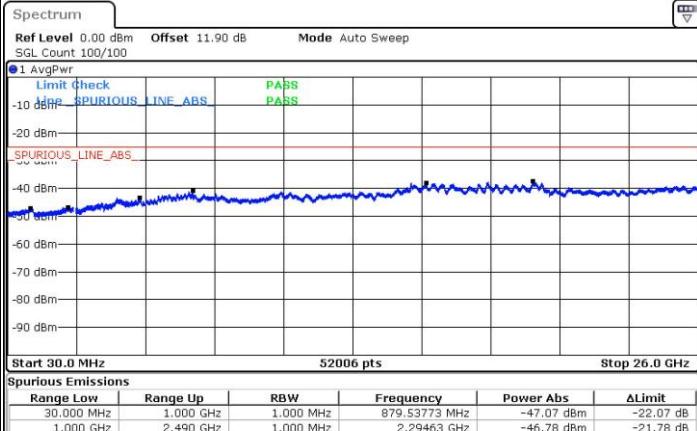
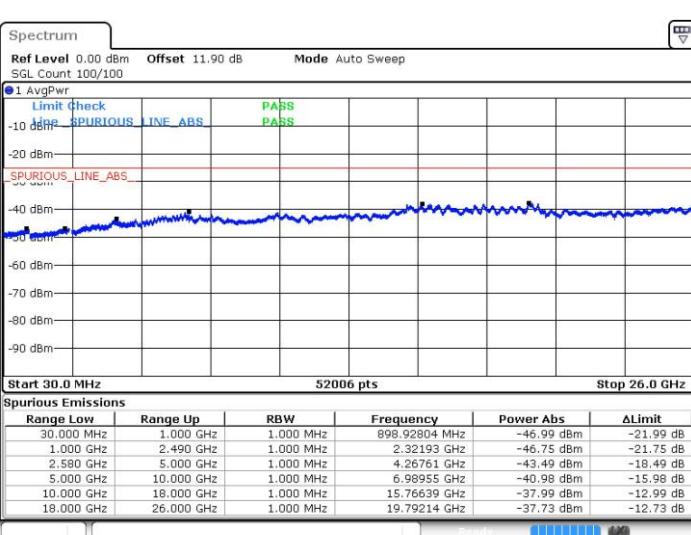




## LTE Band7 / 15MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM

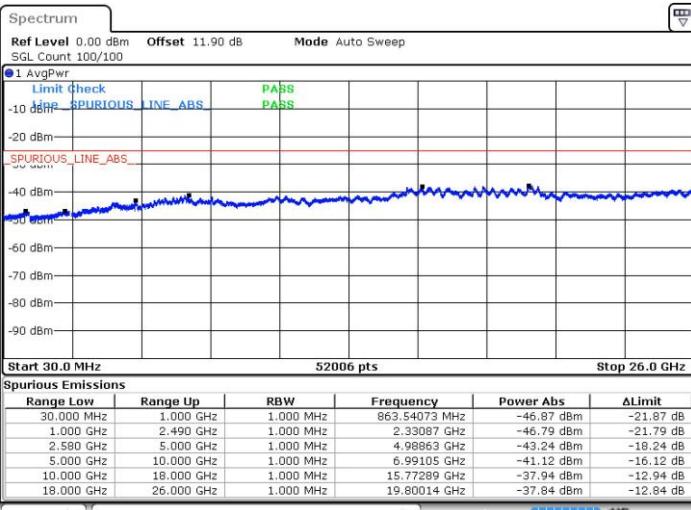


Date: 22.MAR.2017 20:12:52

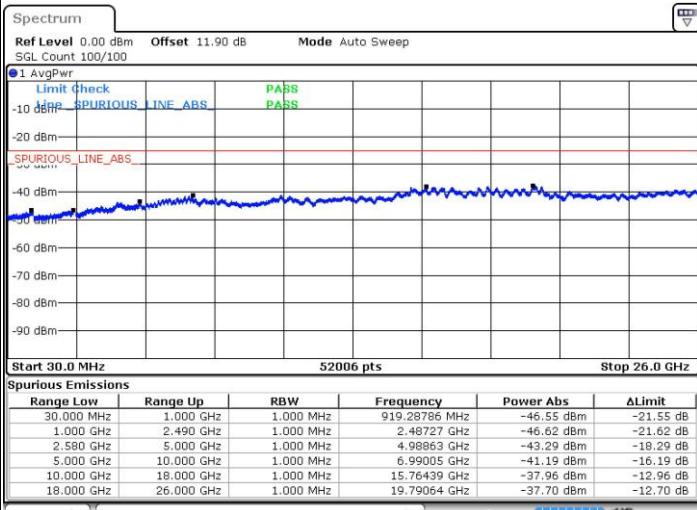
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK

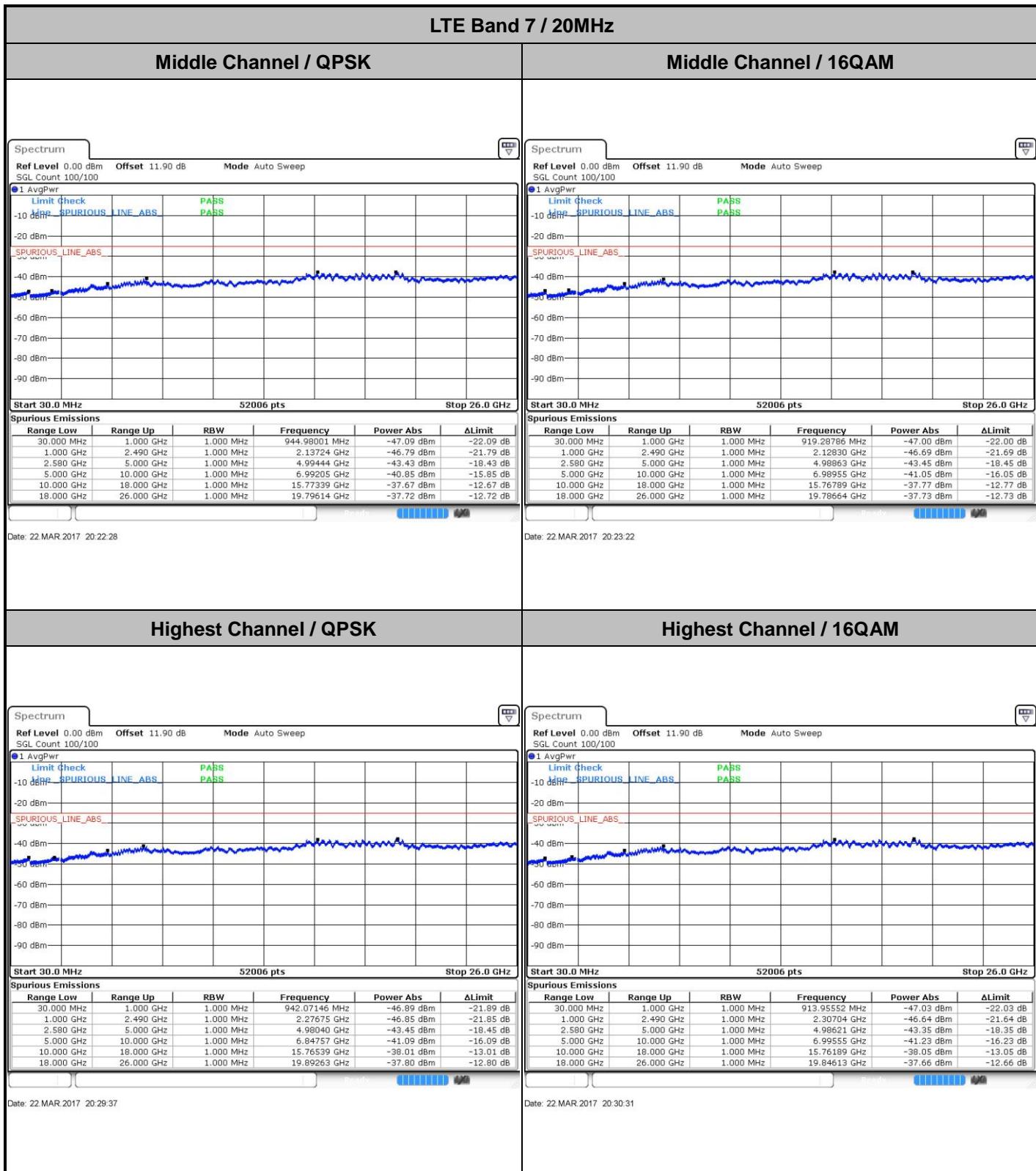
## Lowest Channel / 16QAM



Date: 22.MAR.2017 20:19:59



Date: 22.MAR.2017 20:20:53





## 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	0.0117	PASS
40	Normal Voltage	0.0121	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0118	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0119	
-20	Normal Voltage	0.0120	
-30	Normal Voltage	0.0112	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

**Note:**

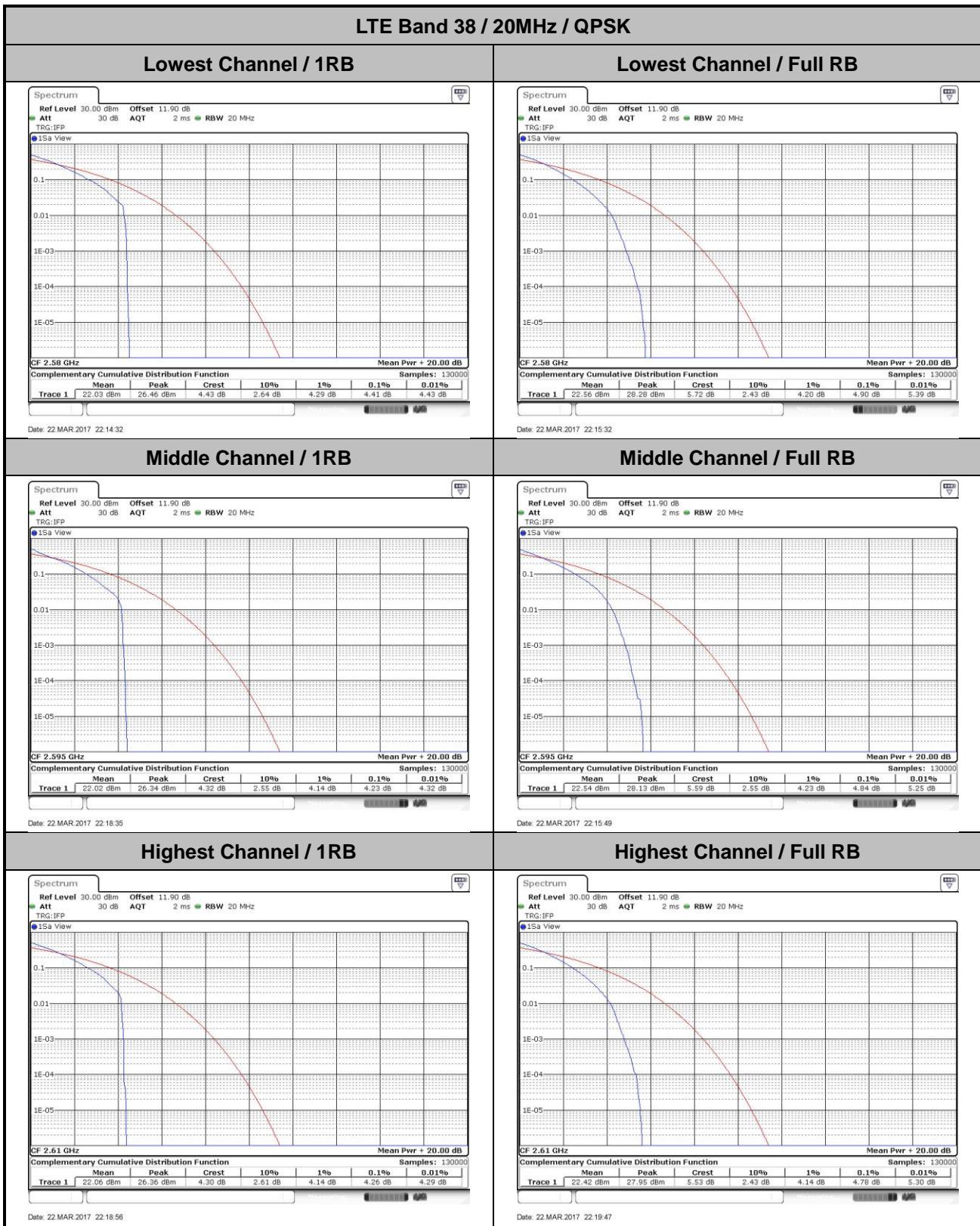
1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

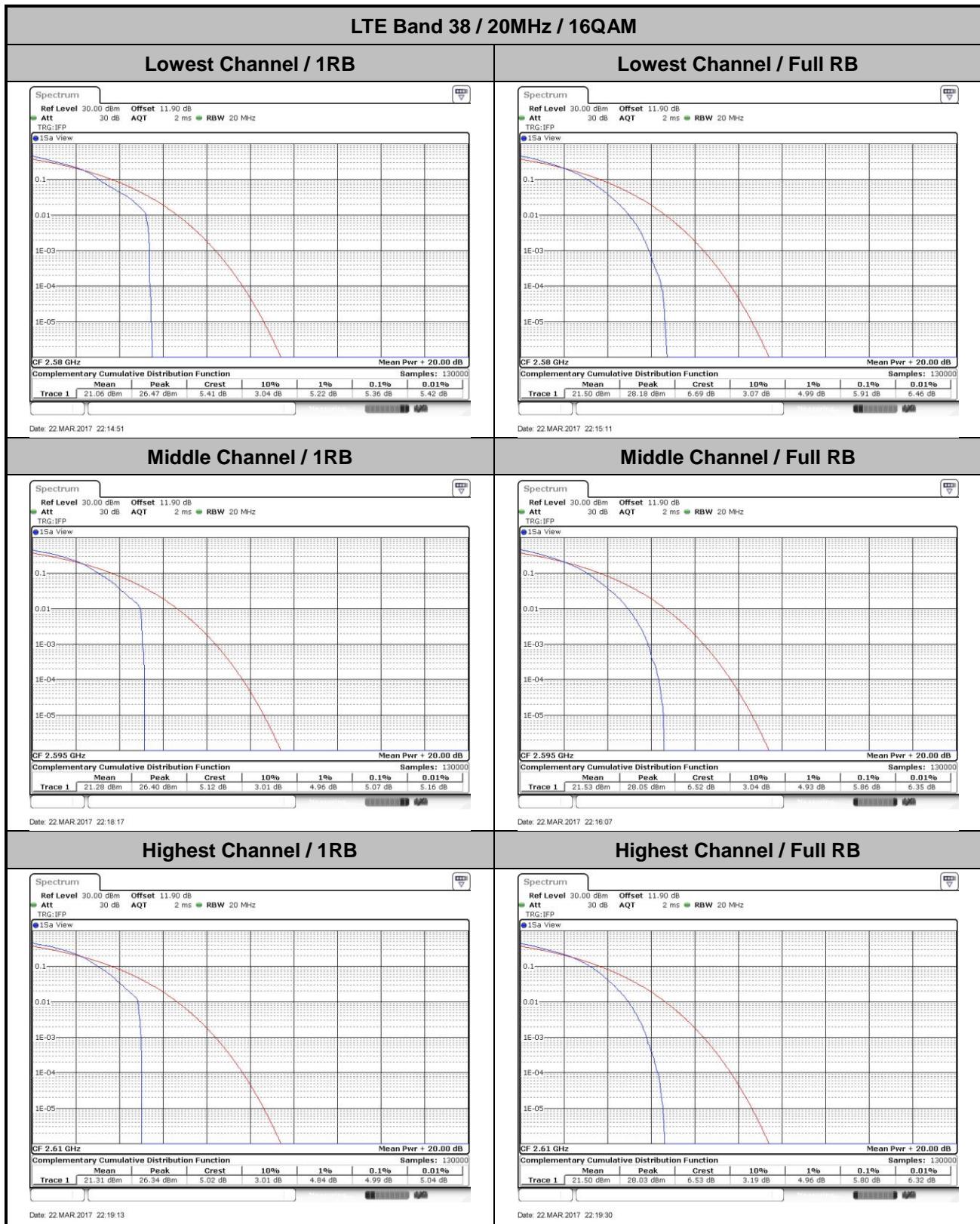


## LTE Band 38

### Peak-to-Average Ratio

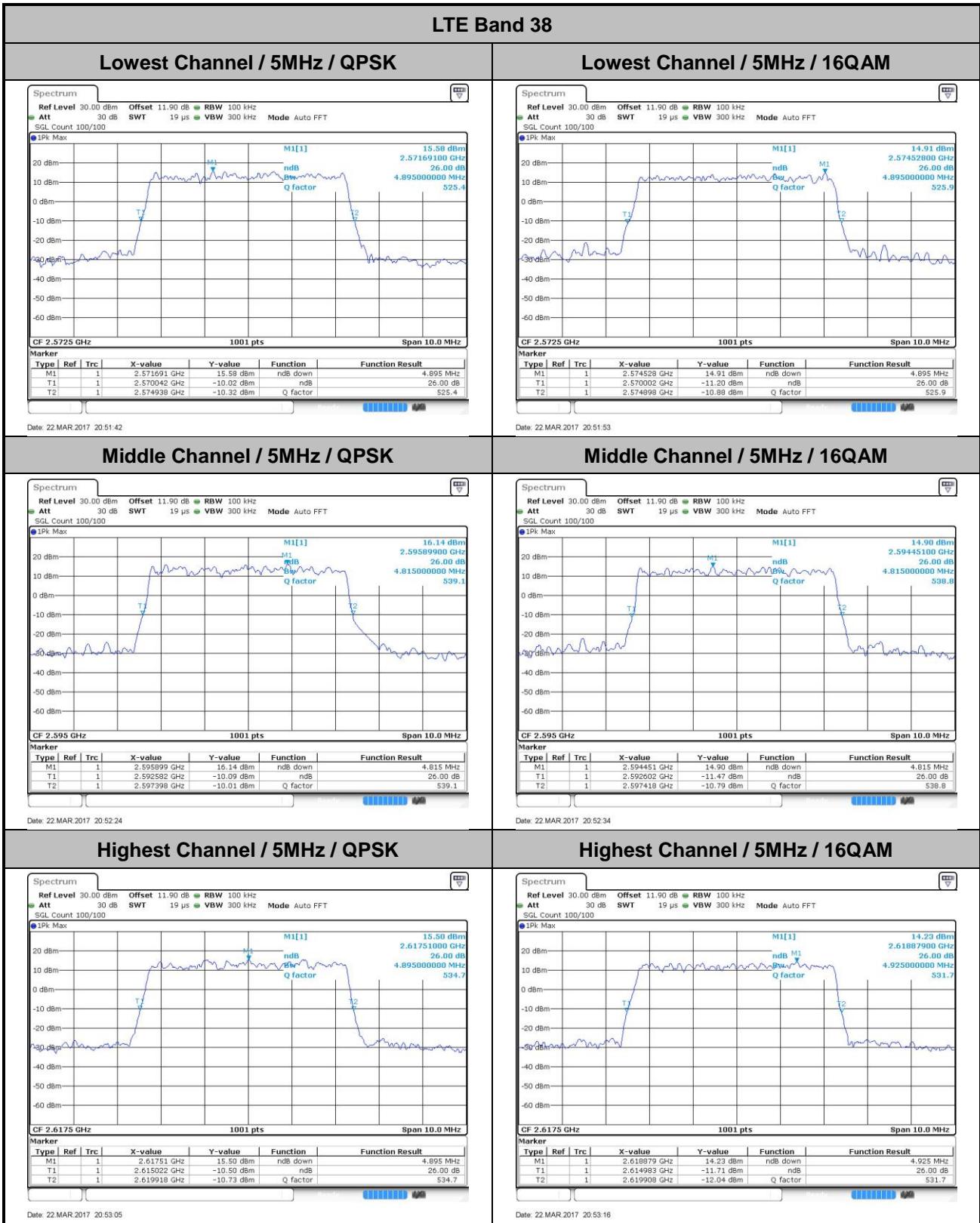
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.41	4.9	5.36	5.91	
Middle CH	4.23	4.84	5.07	5.86	
Highest CH	4.26	4.78	4.99	5.8	PASS

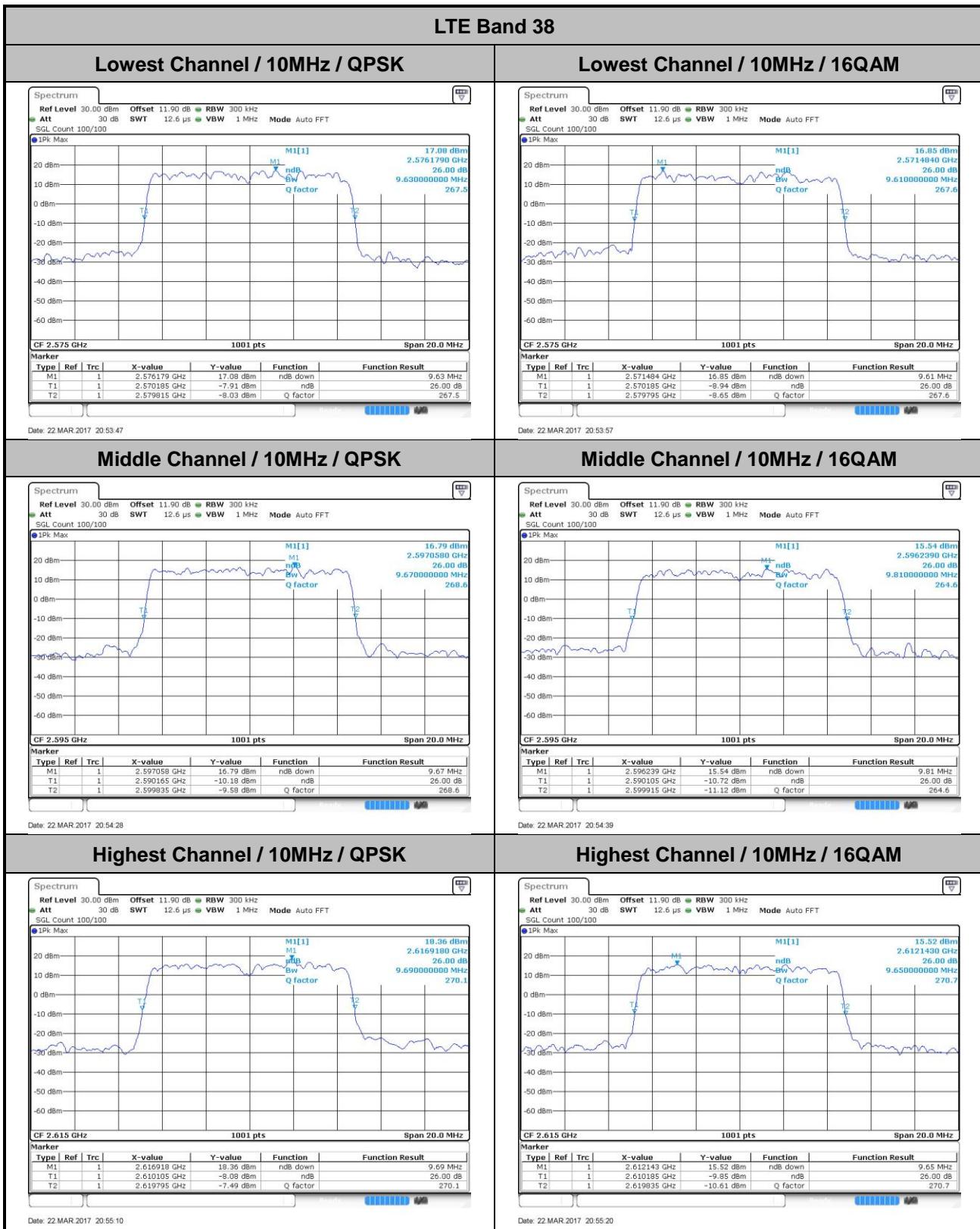


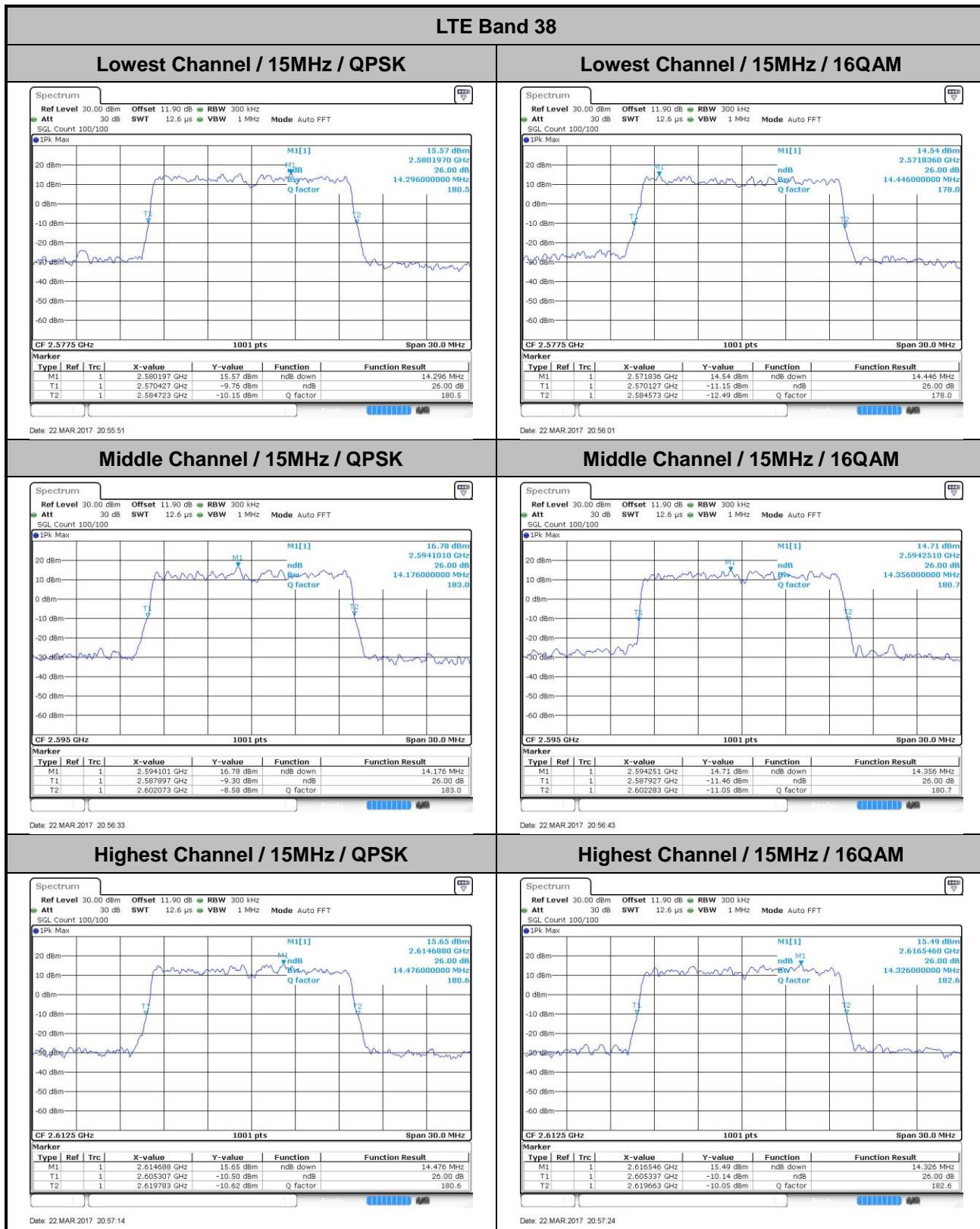


**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.90	4.90	9.63	9.61	14.30	14.45	20.10	20.14
Middle CH	-	-	-	-	4.82	4.82	9.67	9.81	14.18	14.36	20.18	19.98
Highest CH	-	-	-	-	4.90	4.93	9.69	9.65	14.48	14.33	20.06	20.06



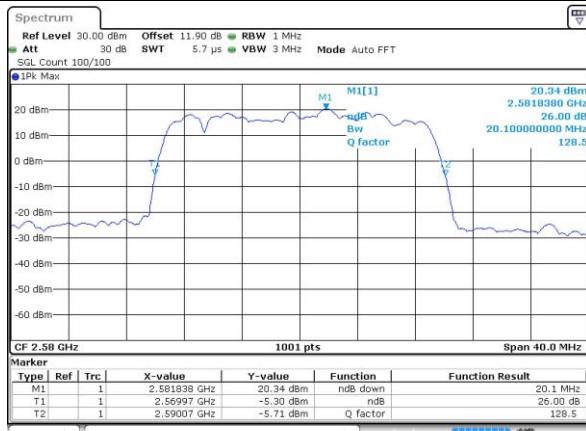






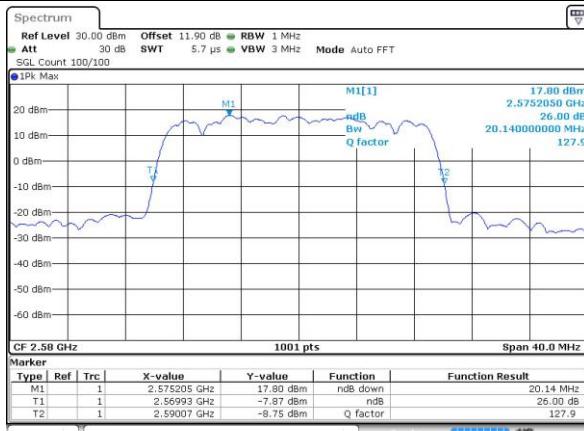
## LTE Band 38

## Lowest Channel / 20MHz / QPSK



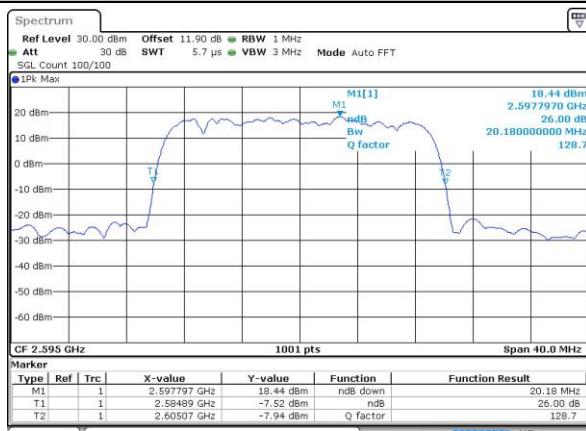
Date: 22.MAR.2017 20:57:55

## Lowest Channel / 20MHz / 16QAM



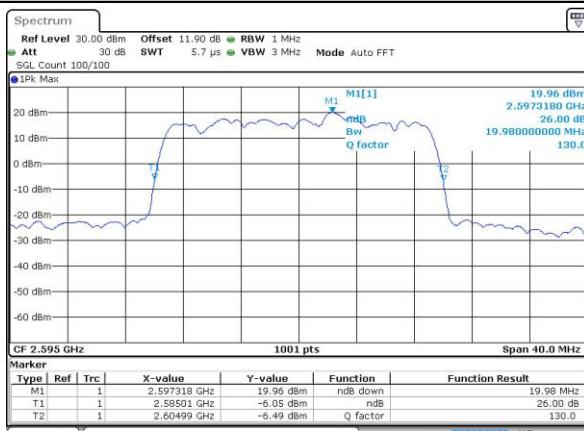
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## Middle Channel / 20MHz / QPSK



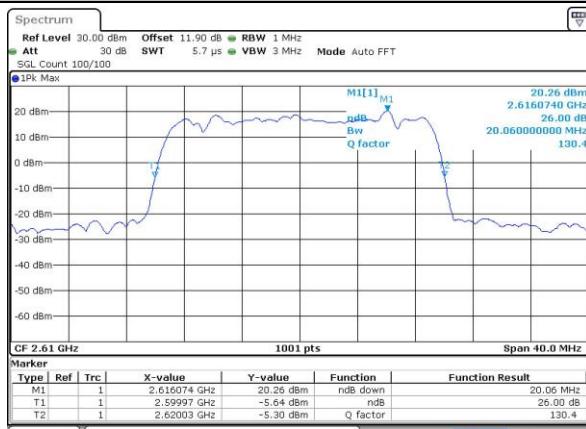
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## Middle Channel / 20MHz / 16QAM



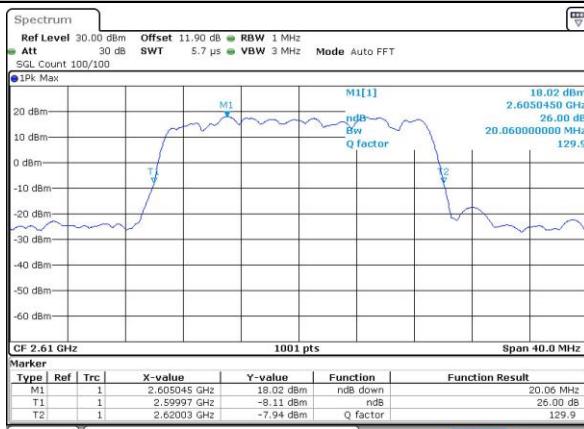
Date: 22.MAR.2017 20:58:47

## Highest Channel / 20MHz / QPSK



Date: 22.MAR.2017 20:59:18

## Highest Channel / 20MHz / 16QAM



Date: 22.MAR.2017 20:59:28

**Occupied Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.51	4.48	8.99	8.95	13.34	13.43	18.18	18.26
Middle CH	-	-	-	-	4.52	4.49	9.07	9.01	13.4	13.46	18.54	18.3
Highest CH	-	-	-	-	4.49	4.48	9.05	9.03	13.4	13.4	18.3	18.26

