

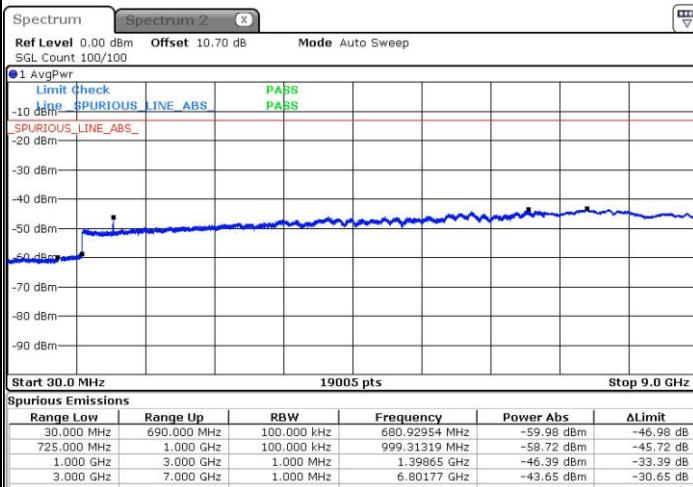
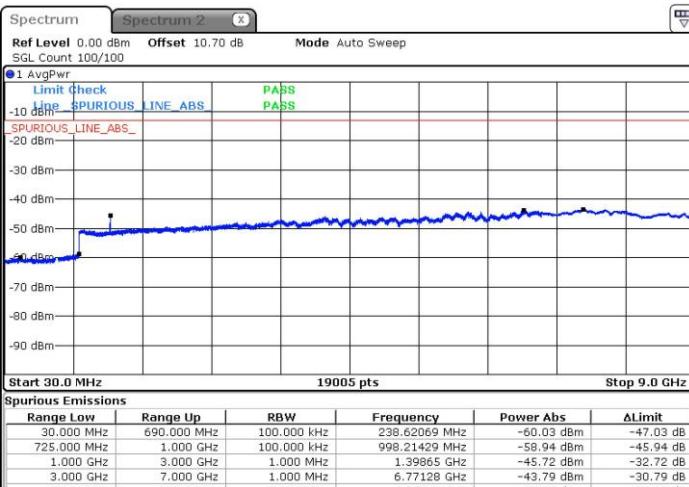


Conducted Spurious Emission

LTE Band 12 / 1.4MHz

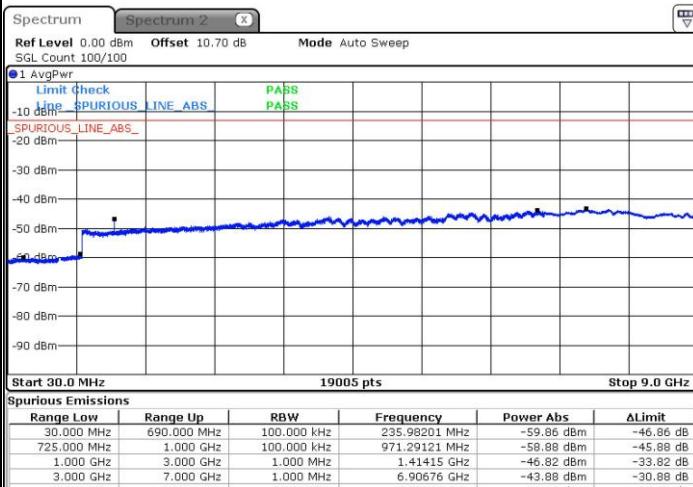
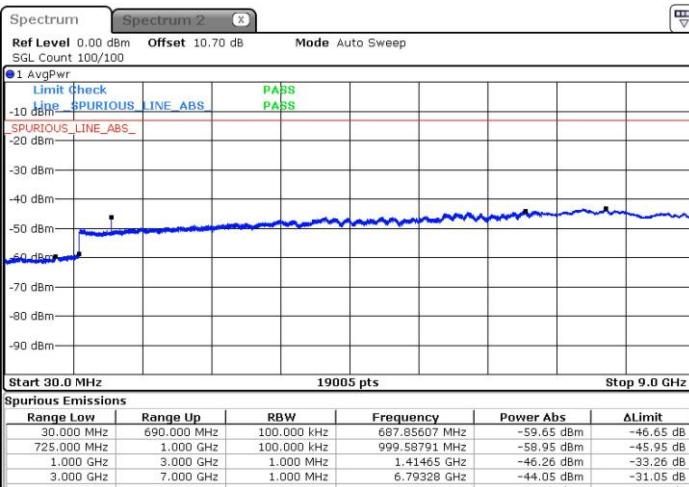
Lowest Channel / QPSK

Lowest Channel / 16QAM



Middle Channel / QPSK

Middle Channel / 16QAM



Date: 25 APR 2018 20:24:46

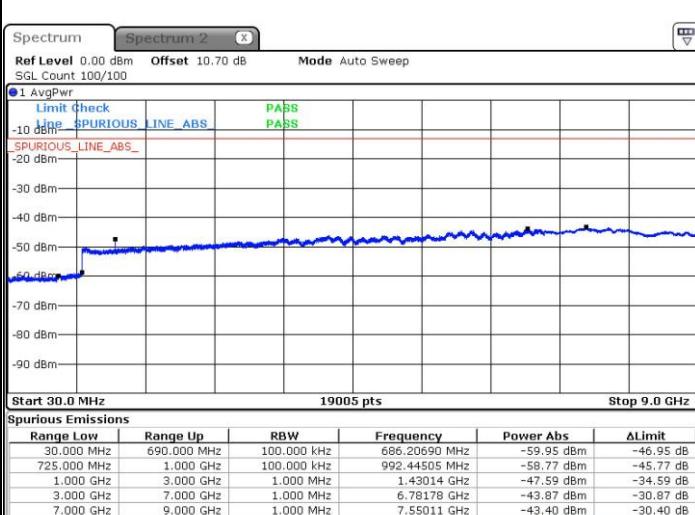
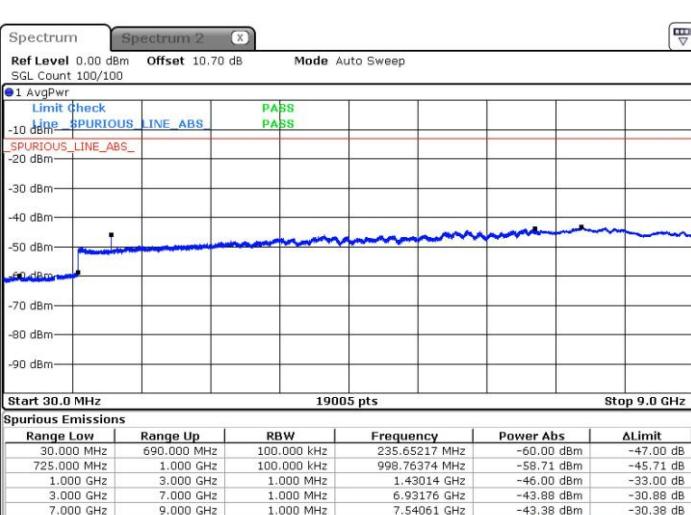
Date: 25 APR 2018 20:25:40



LTE Band 12 / 1.4MHz

Highest Channel / QPSK

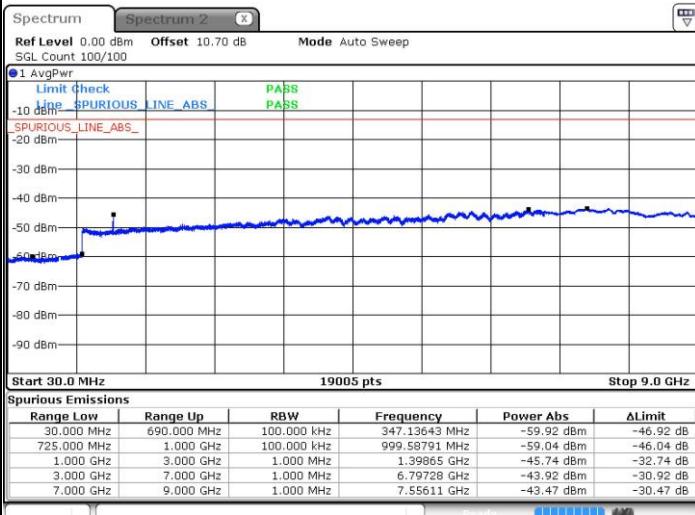
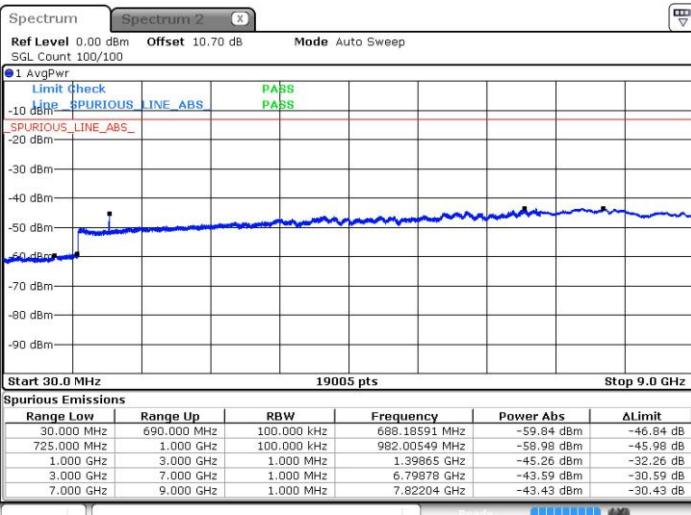
Highest Channel / 16QAM



LTE Band 12 / 3MHz

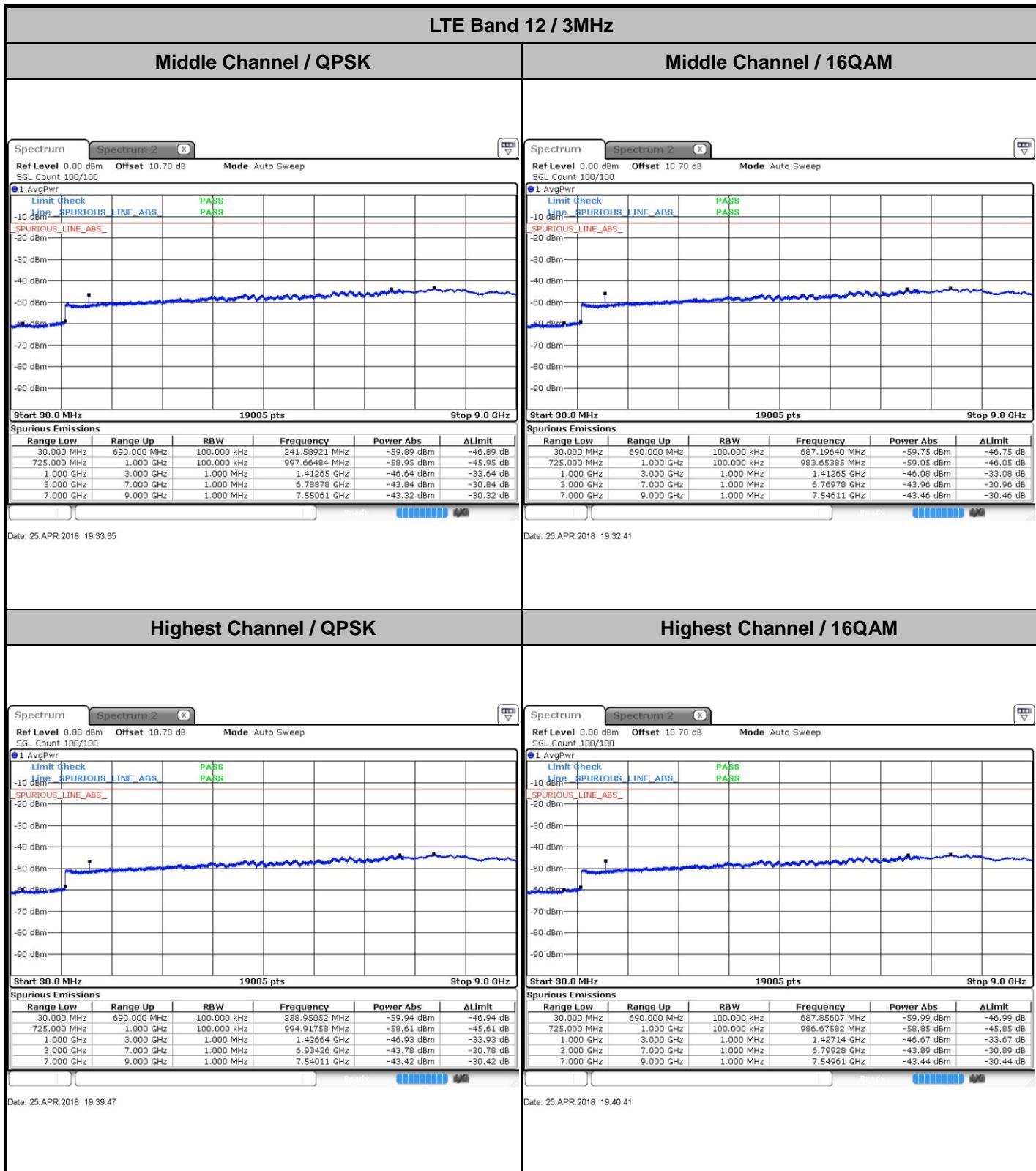
Lowest Channel / QPSK

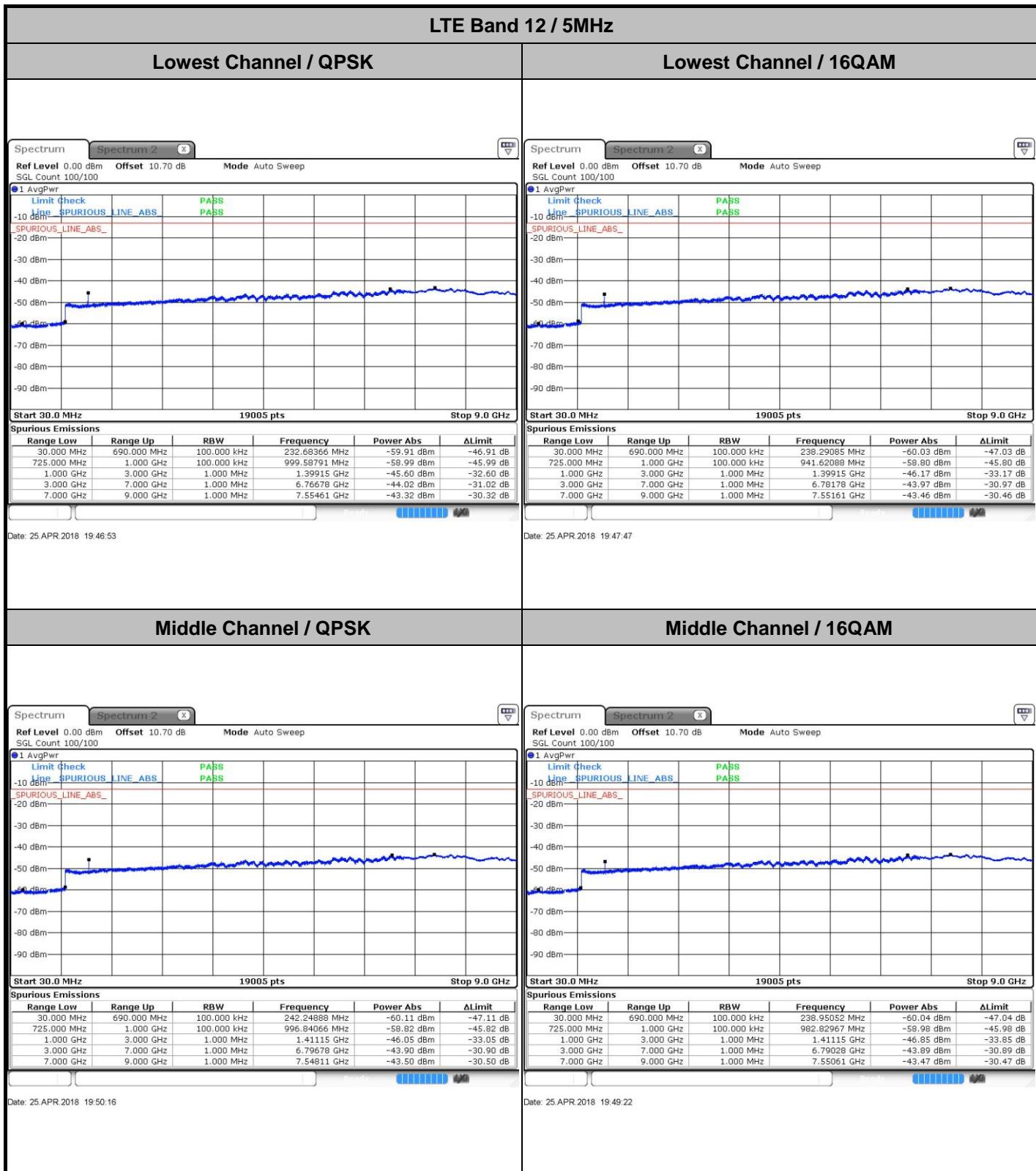
Lowest Channel / 16QAM



Date: 25.APR.2018 19:30:11

Date: 25 APR 2018 19:31:05



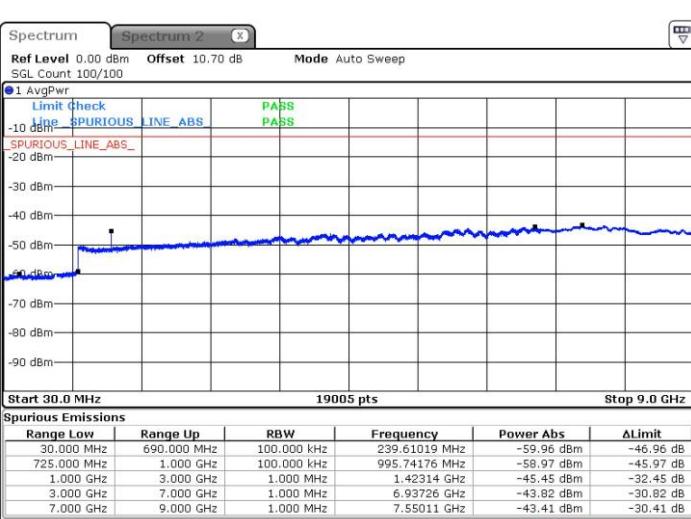




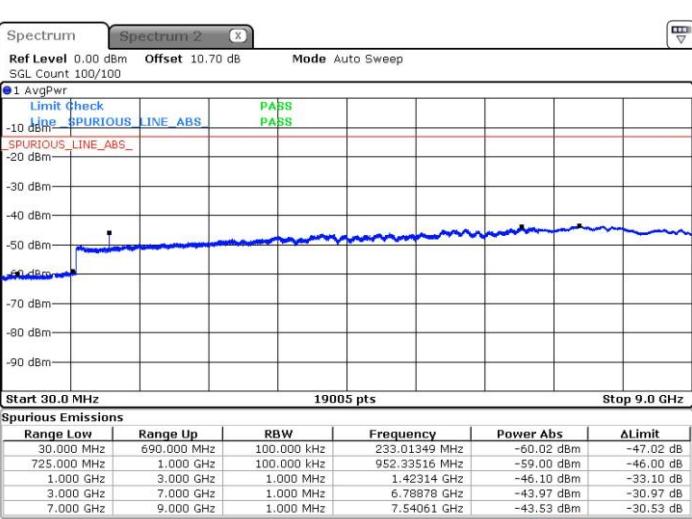
LTE Band 12 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 25.APR.2018 19:57:22

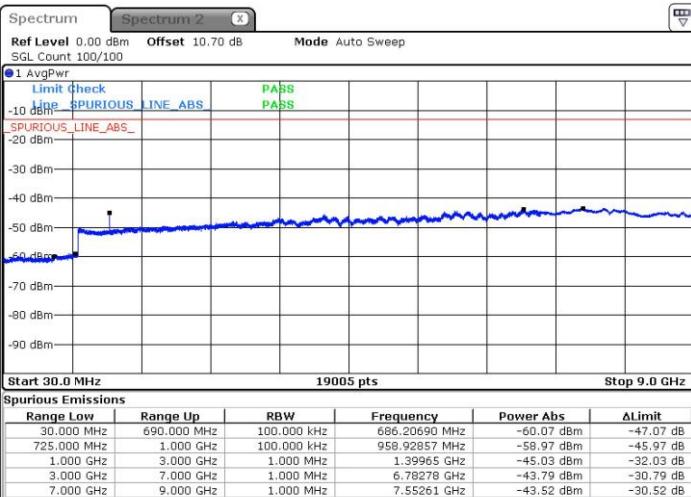


Date: 25.APR.2018 19:56:28

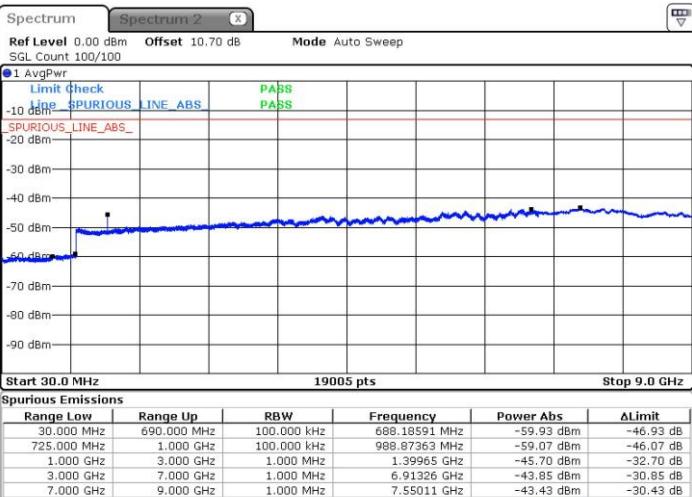
LTE Band 12 / 10MHz

Lowest Channel / QPSK

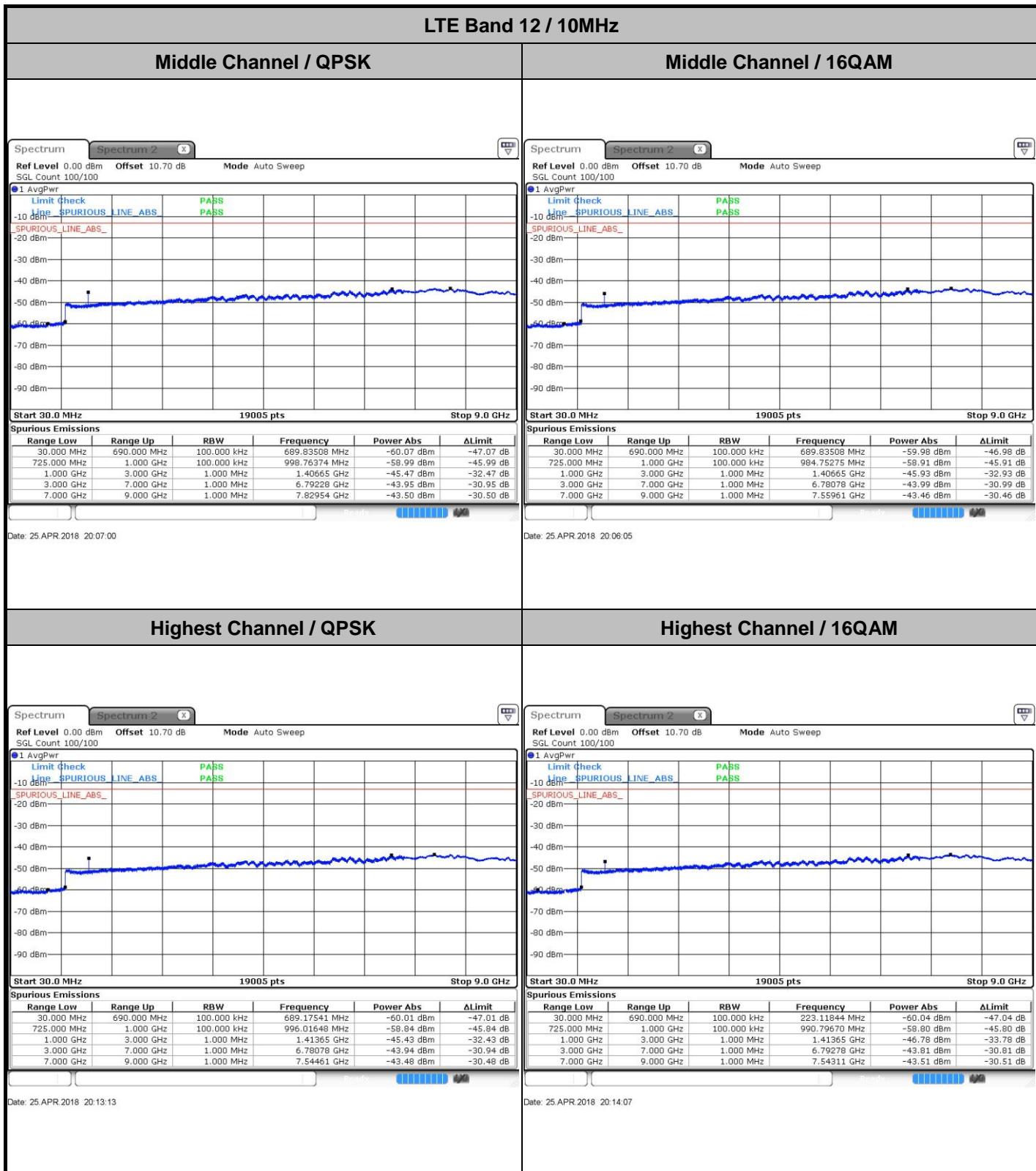
Lowest Channel / 16QAM



Date: 25.APR.2018 20:03:35



Date: 25 APR 2018 20:04:29





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	0.0001	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

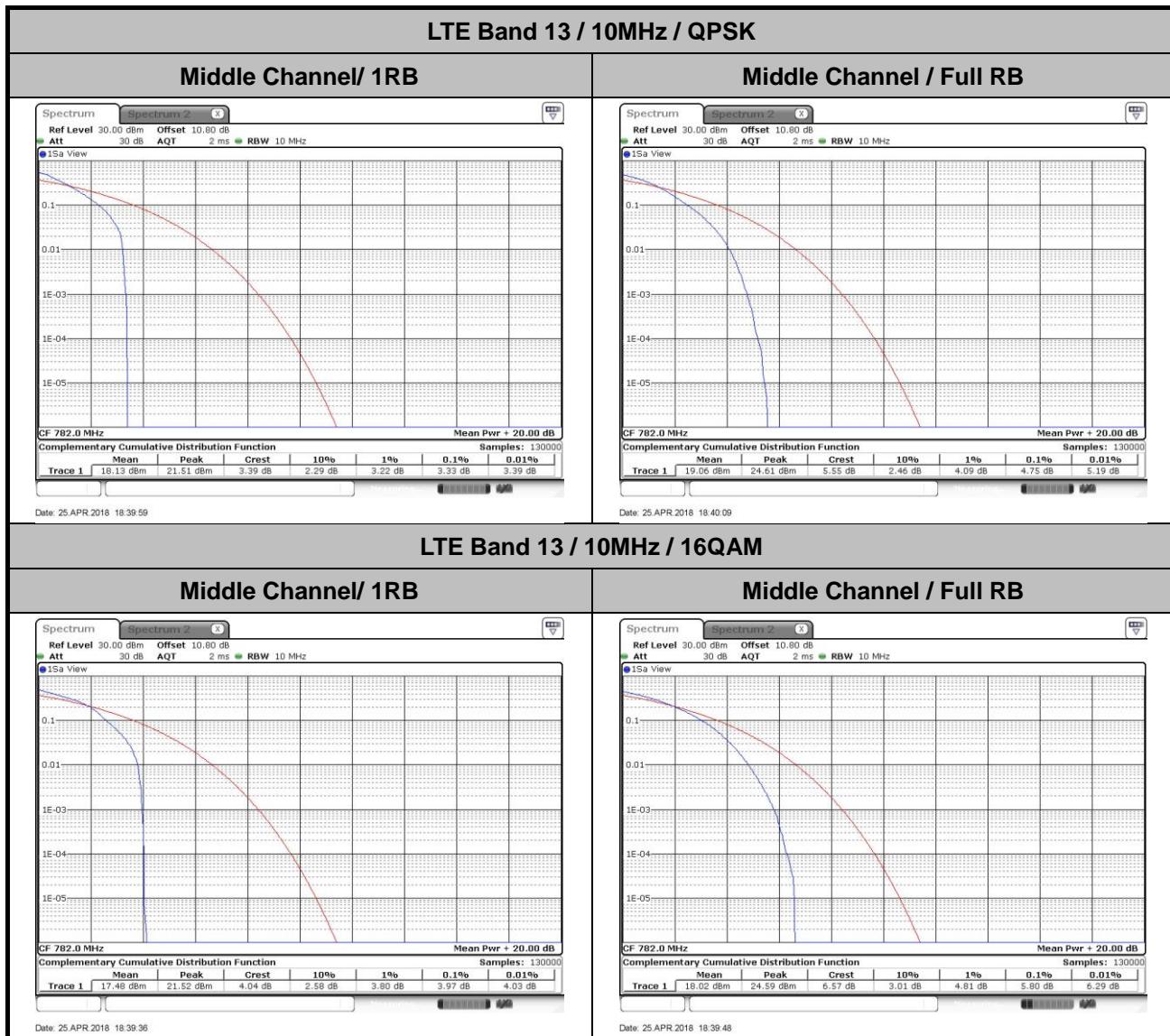
1. Normal Voltage =12 V. ; Battery End Point (BEP) =11.4 V. ; Maximum Voltage =12.60 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

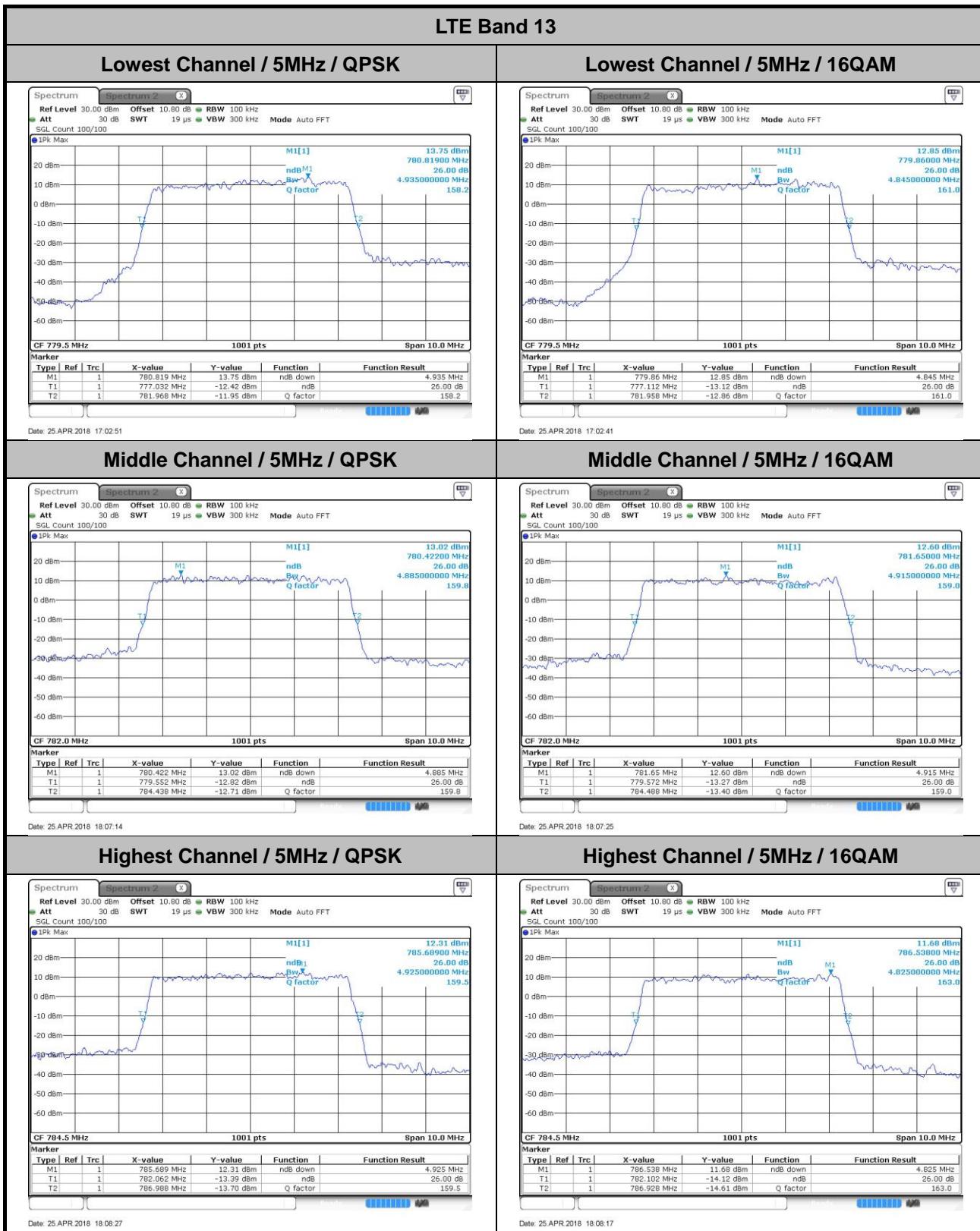
Peak-to-Average Ratio

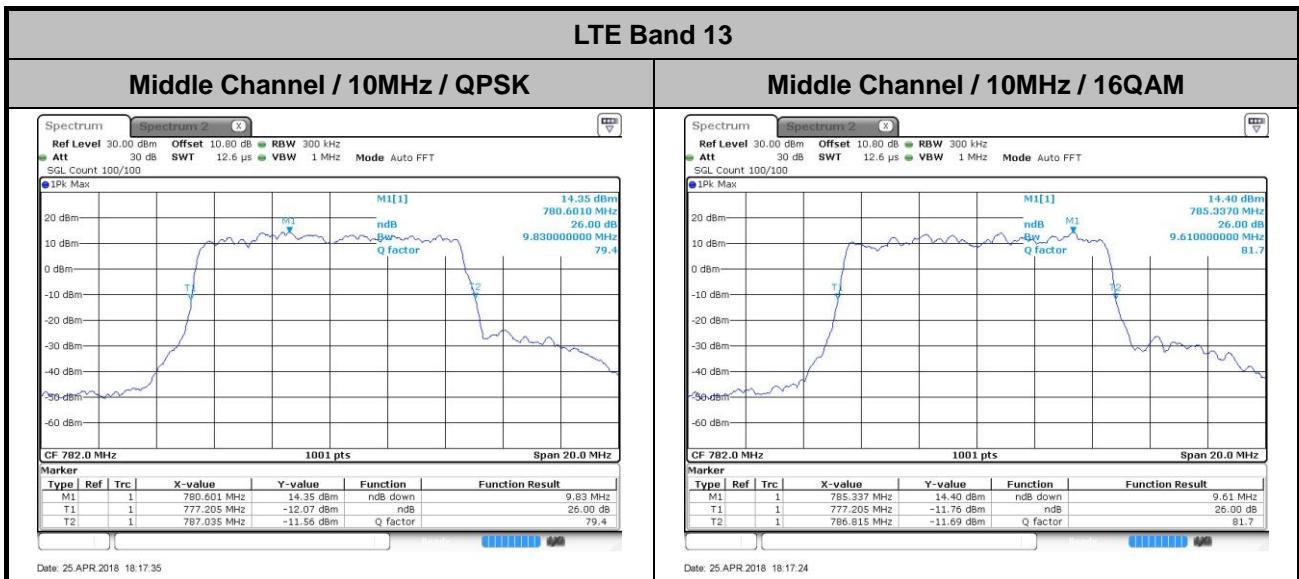
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	
Middle CH	3.33	4.75	3.97	5.8	PASS
Highest CH	-	-	-	-	



**26dB Bandwidth**

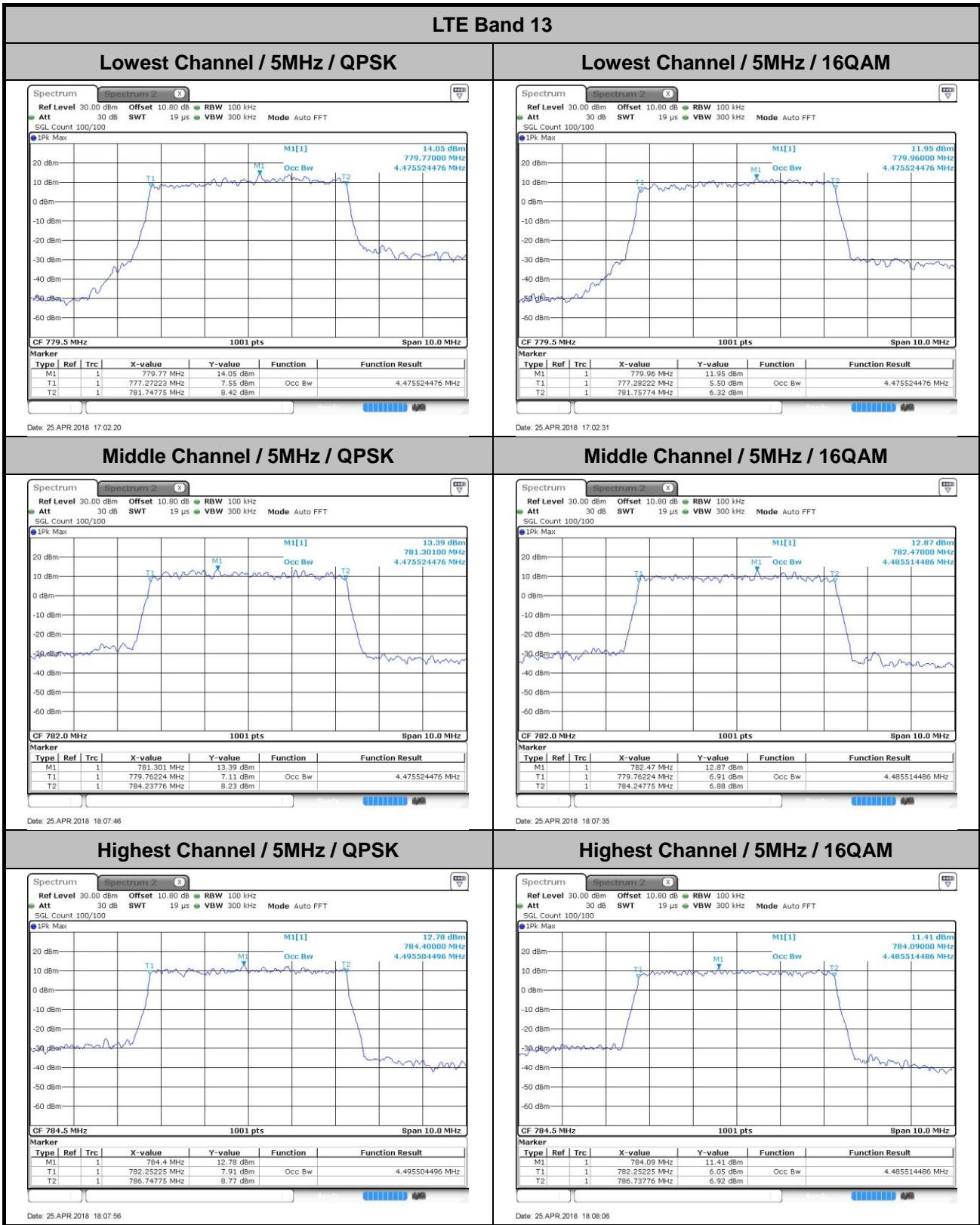
Mode	LTE Band 13 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.94	4.85	-	-	-	-	-	-
Middle CH	-	-	-	-	4.89	4.92	9.83	9.61	-	-	-	-
Highest CH	-	-	-	-	4.93	4.83	-	-	-	-	-	-

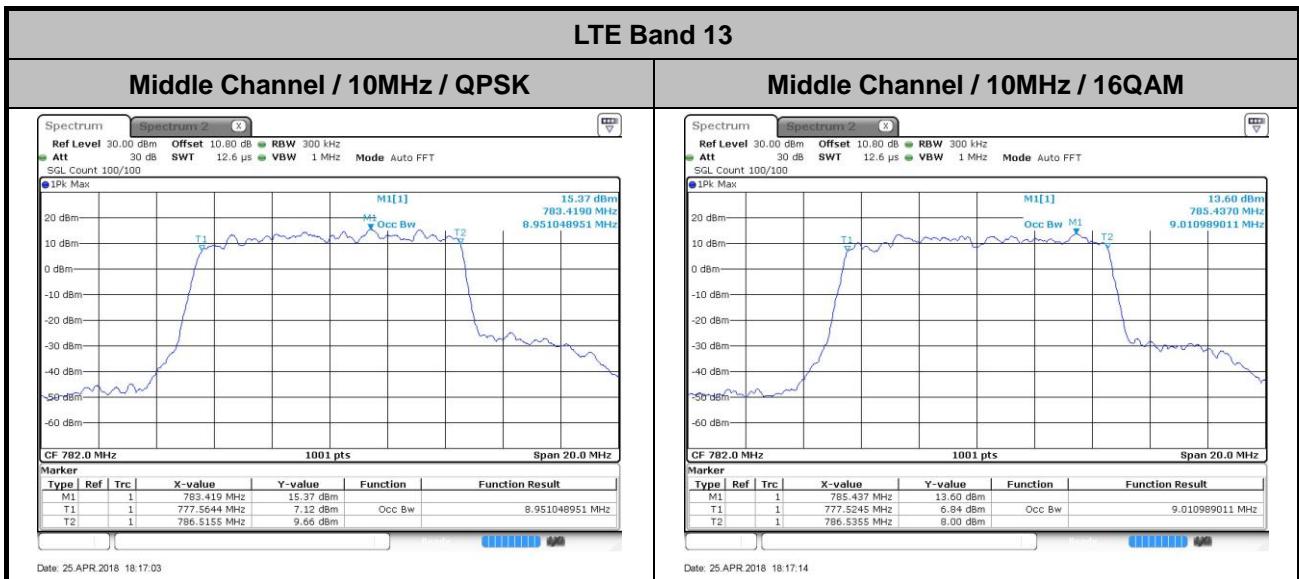




**Occupied Bandwidth**

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	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.49	8.95	9.01	-	-	-	-
Highest CH	-	-	-	-	4.5	4.49	-	-	-	-	-	-







Conducted Band Edge

