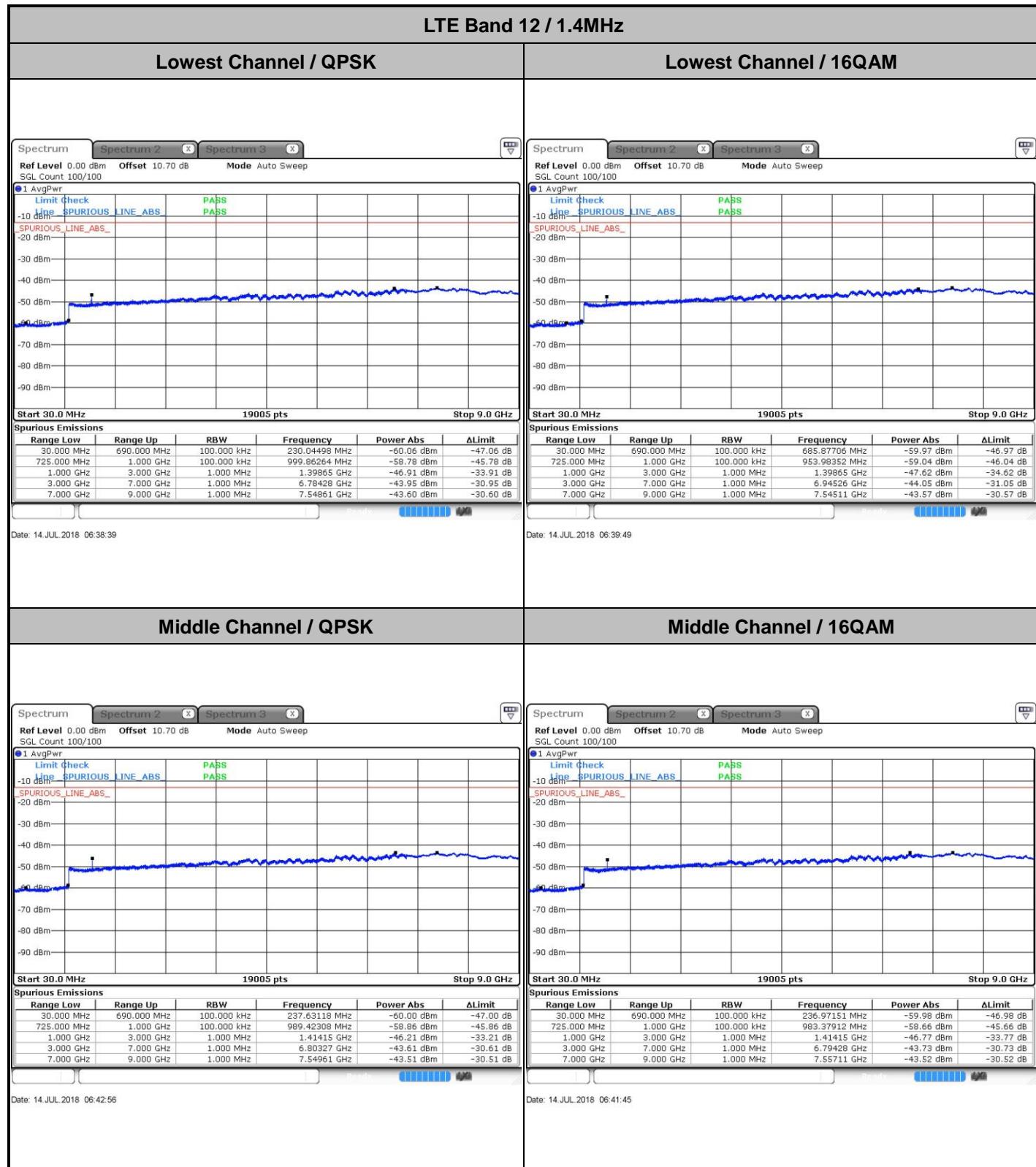




Conducted Spurious Emission

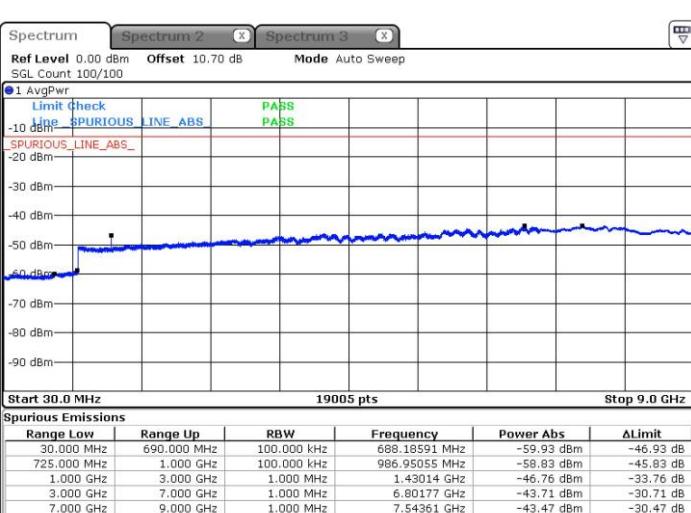




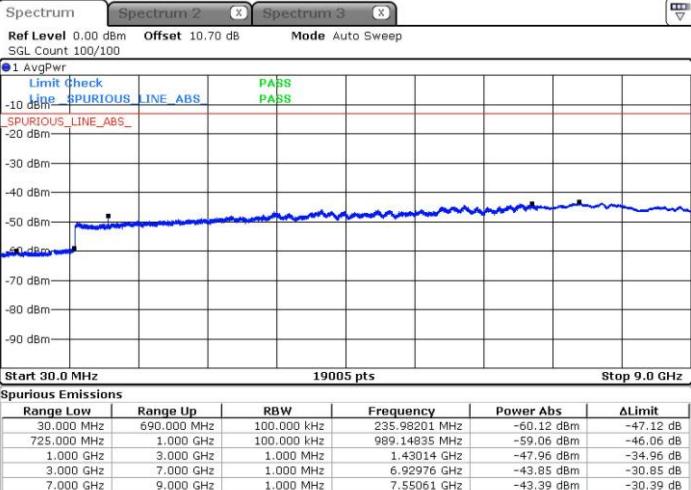
LTE Band 12 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.JUL.2018 06:49:52

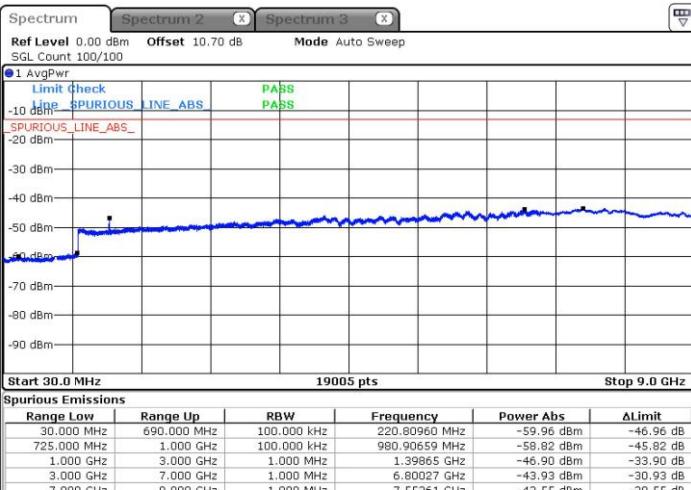


Date: 14.JUL.2018 06:51:03

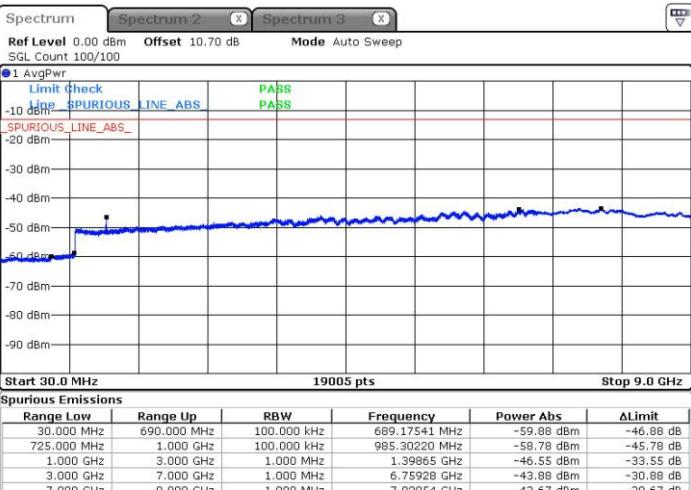
LTE Band 12 / 3MHz

Lowest Channel / QPSK

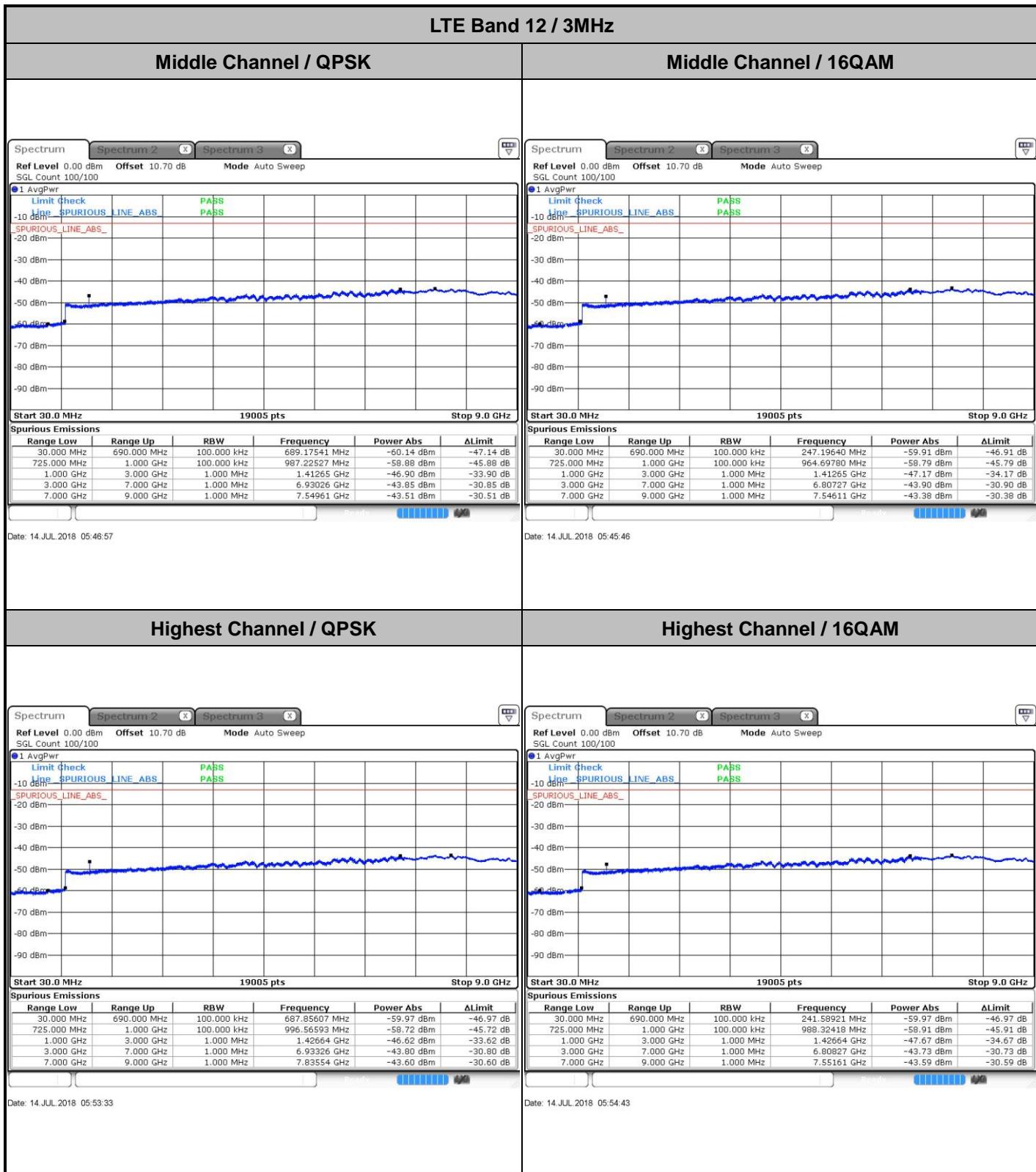
Lowest Channel / 16QAM



Date: 14.JUL.2018 05:42:40



Date: 14.JUL.2018 05:43:50



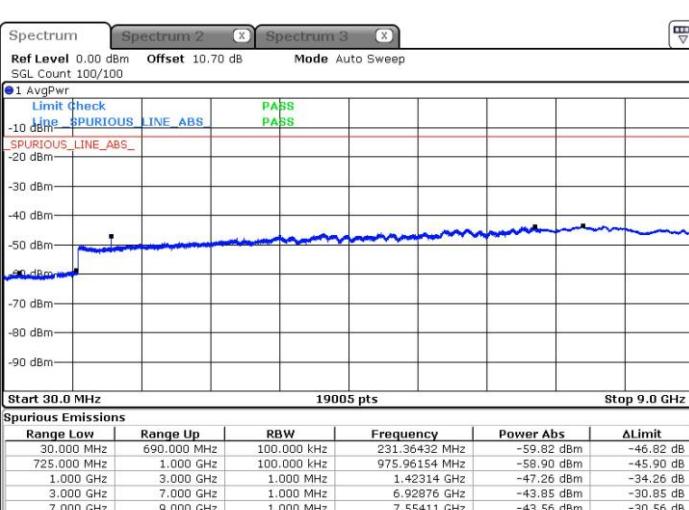




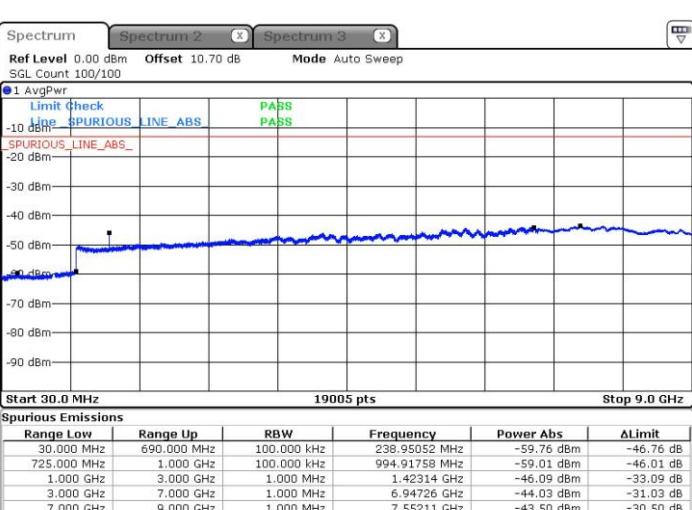
LTE Band 12 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.JUL.2018 06:13:22

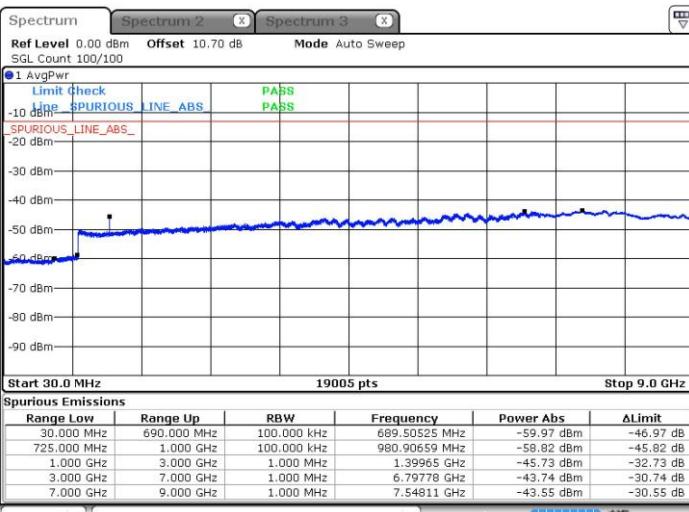


Date: 14.JUL.2018 06:12:12

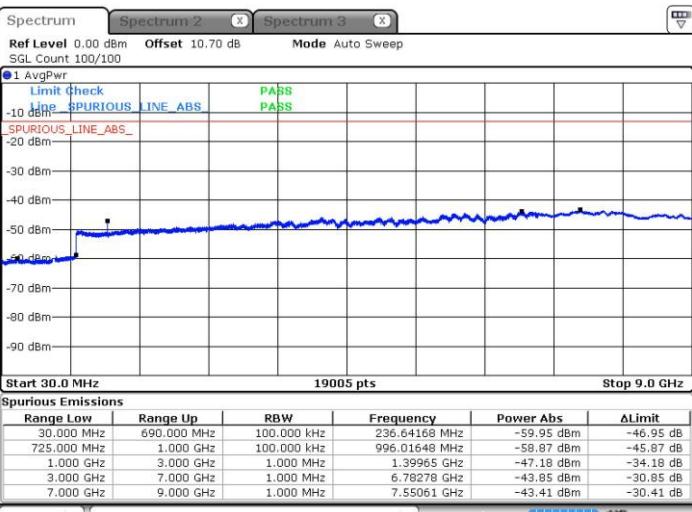
LTE Band 12 / 10MHz

Lowest Channel / QPSK

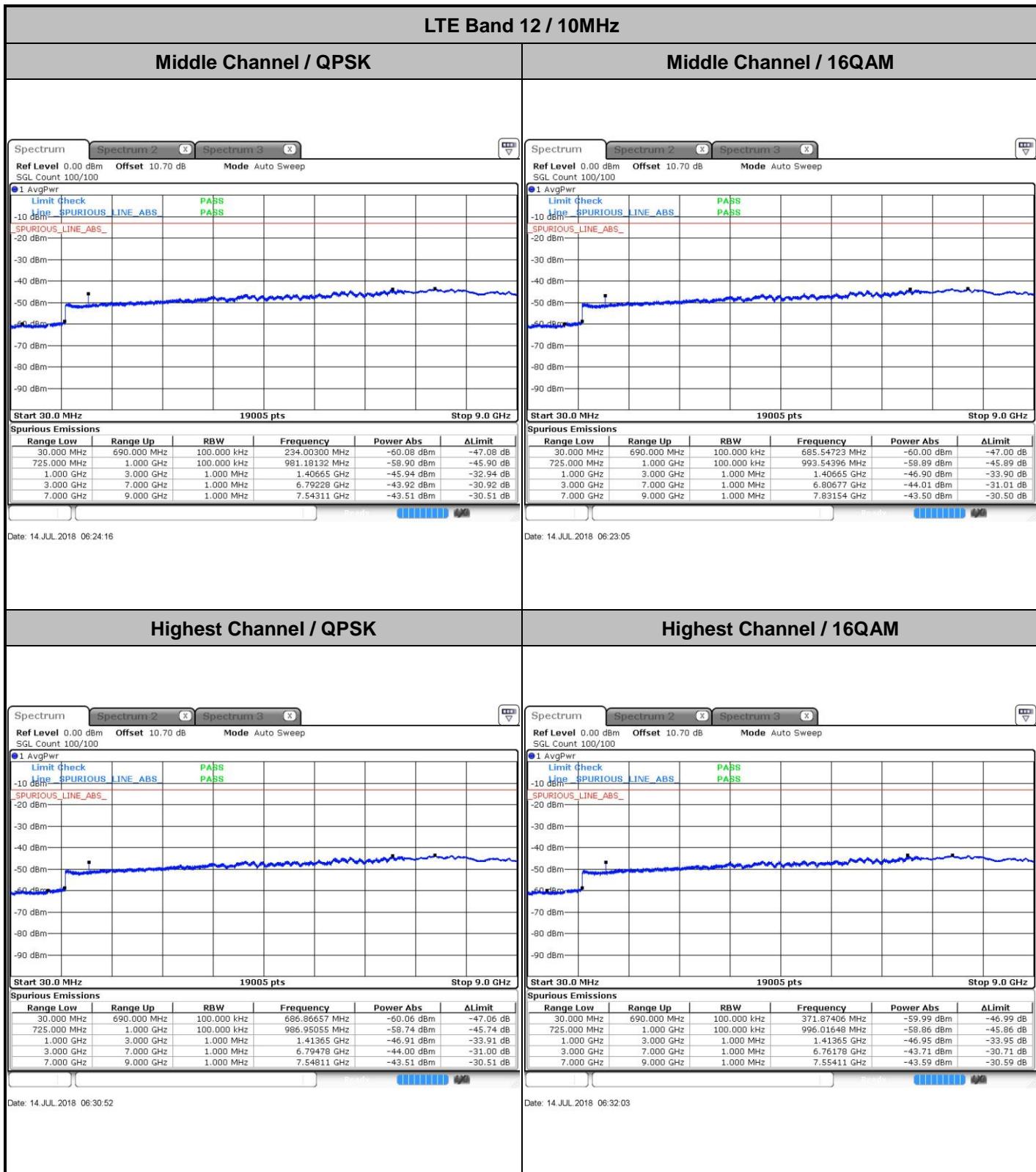
Lowest Channel / 16QAM



Date: 14.JUL.2018 06:19:59



Date: 14.JUL.2018 06:21:09





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	0.0127	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0154	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0102	
0	Normal Voltage	0.0226	
-10	Normal Voltage	0.0096	
-20	Normal Voltage	0.0143	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0126	

Note:

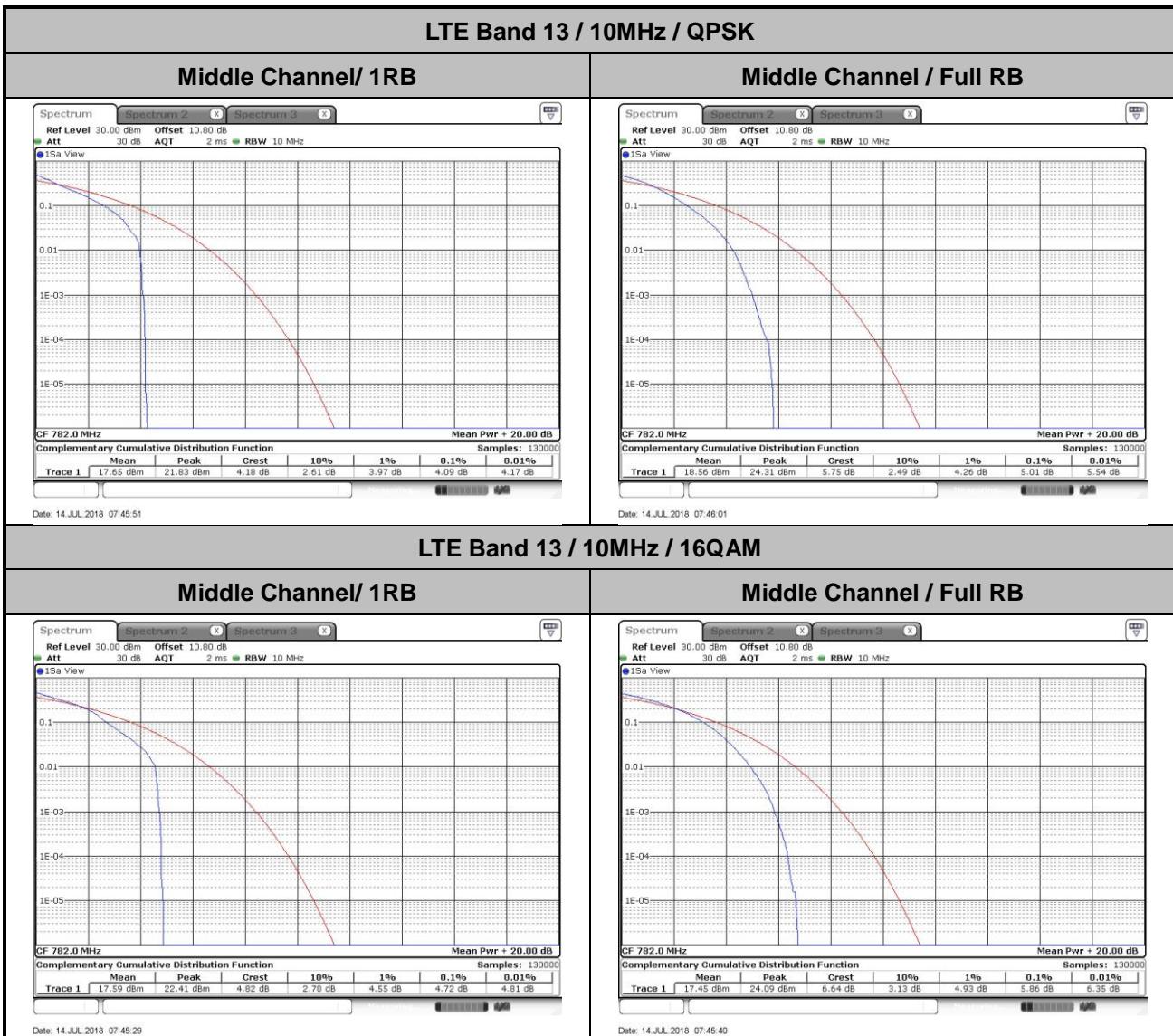
1. Normal Voltage =54 V. ; Battery End Point (BEP) =44 V. ; Maximum Voltage =57 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

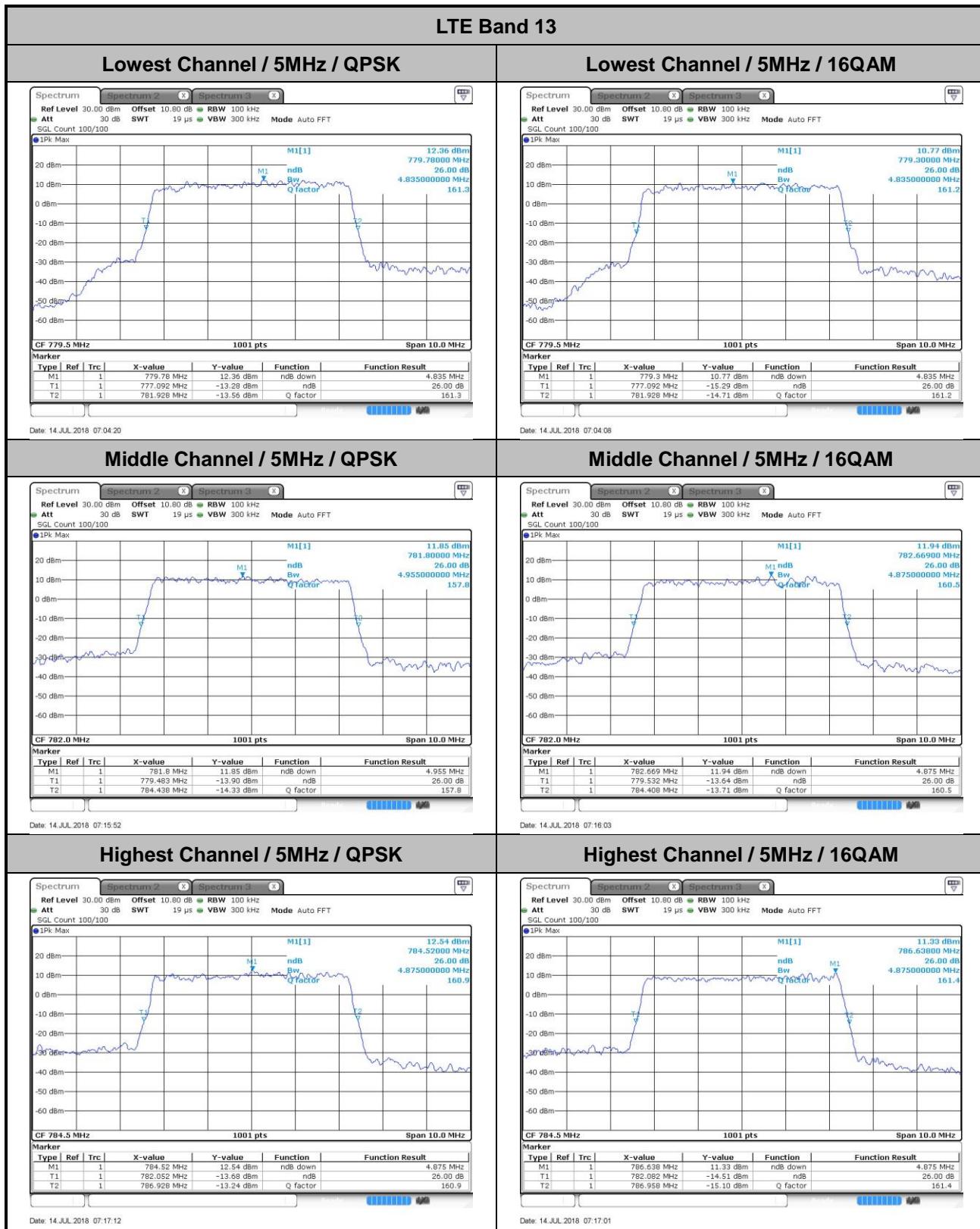
Peak-to-Average Ratio

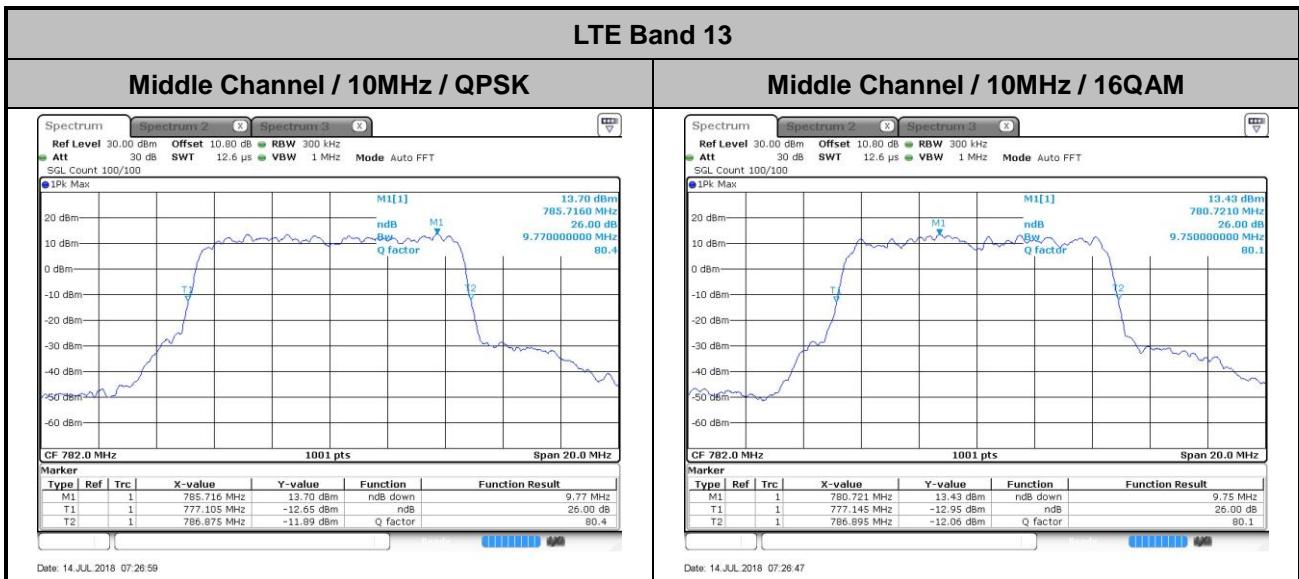
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	
Middle CH	4.09	5.01	4.72	5.86	PASS
Highest CH	-	-	-	-	



**26dB Bandwidth**

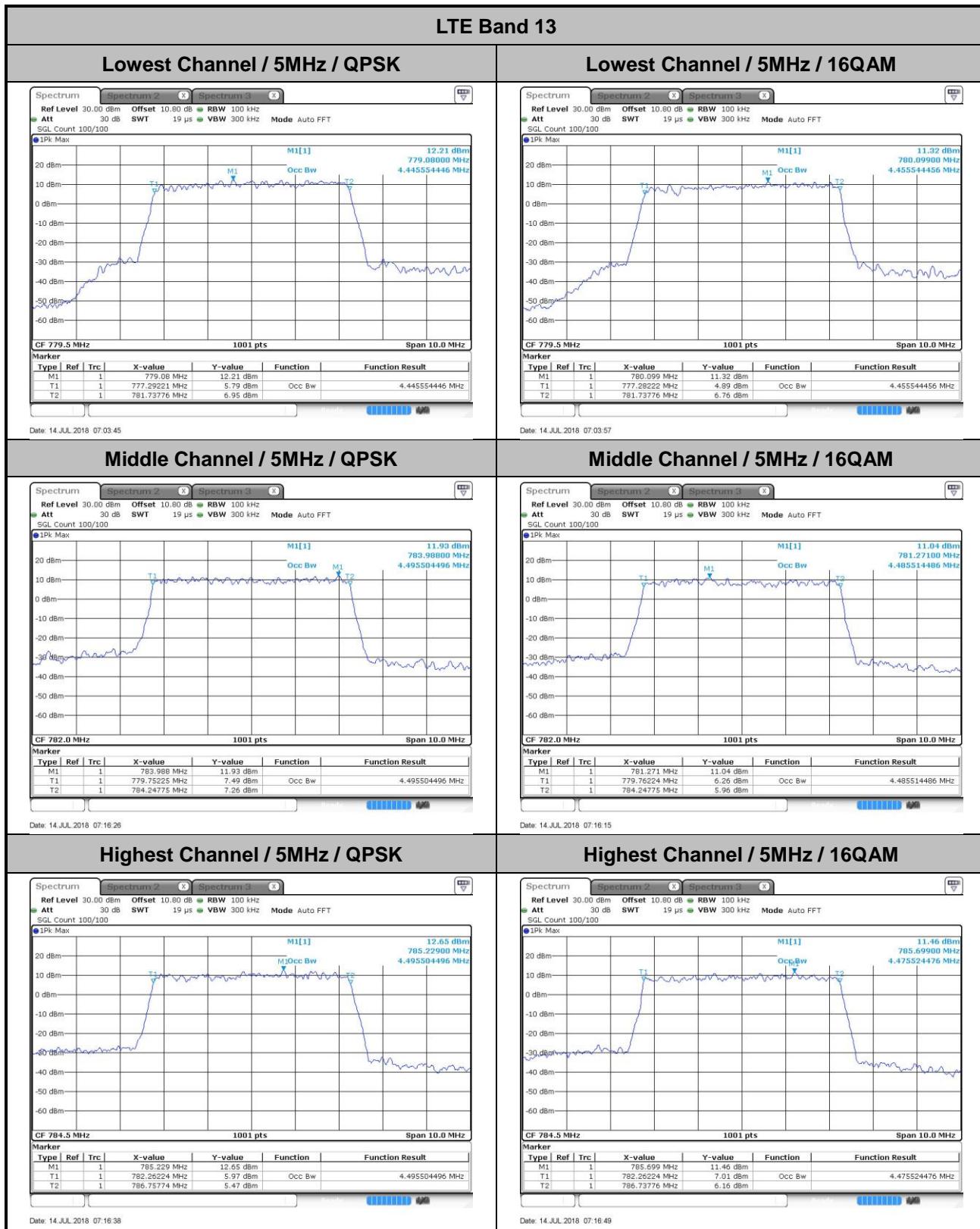
Mode	LTE Band 13 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.835	4.835	-	-	-	-	-	-
Middle CH	-	-	-	-	4.955	4.875	9.77	9.75	-	-	-	-
Highest CH	-	-	-	-	4.875	4.875	-	-	-	-	-	-

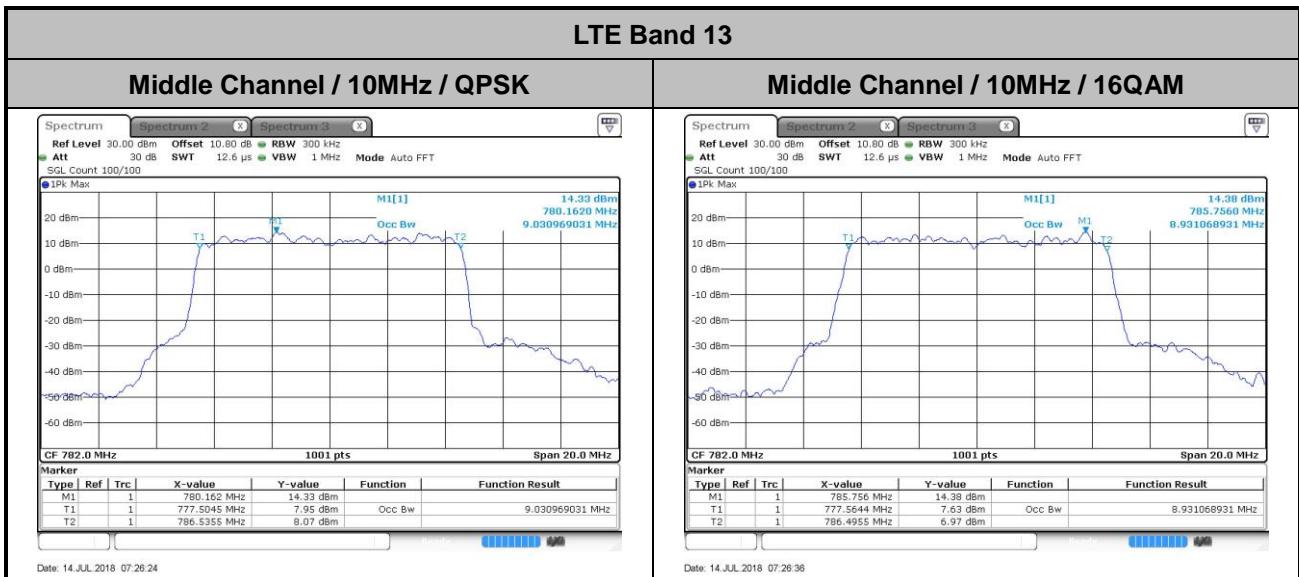




**Occupied Bandwidth**

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	-	-	-	-	4.45	4.46	-	-	-	-	-	-
Middle CH	-	-	-	-	4.5	4.49	9.03	8.93	-	-	-	-
Highest CH	-	-	-	-	4.5	4.48	-	-	-	-	-	-







Conducted Band Edge

