

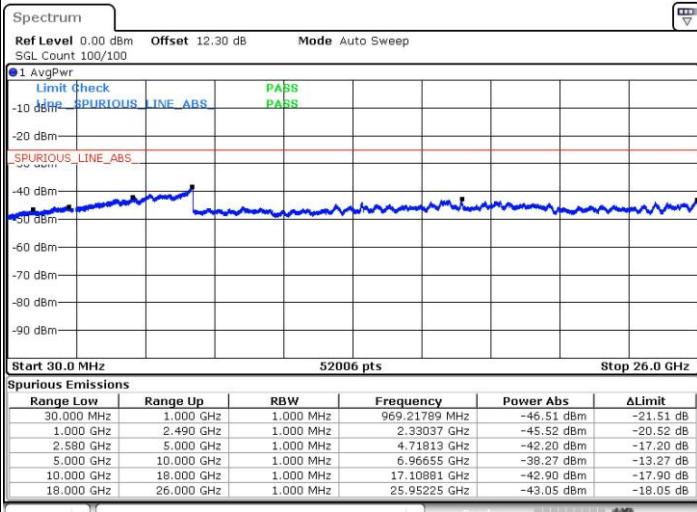
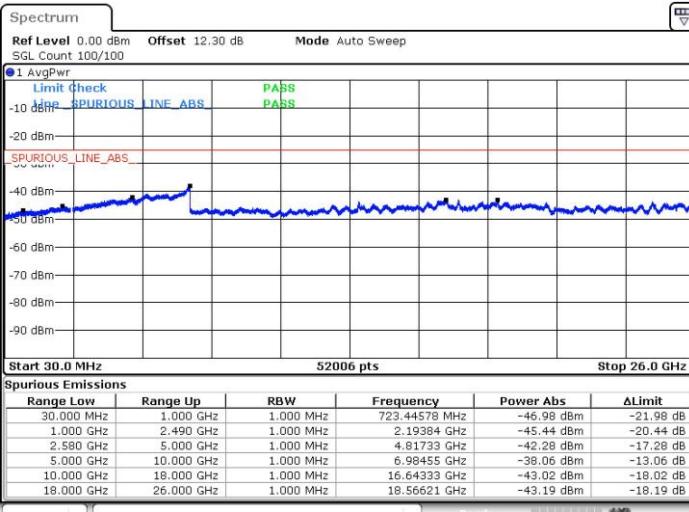


Conducted Spurious Emission

LTE Band 7 / 5MHz

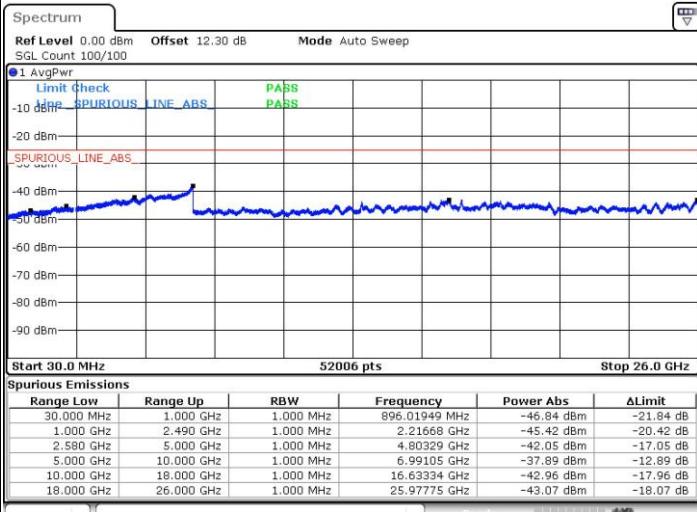
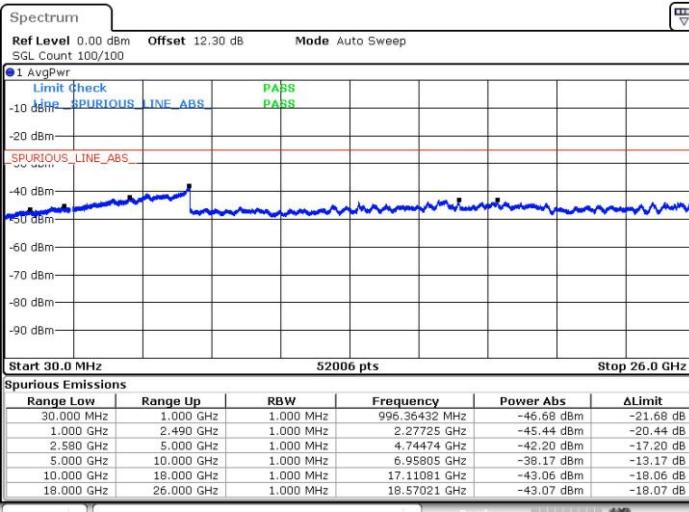
Lowest Channel / QPSK

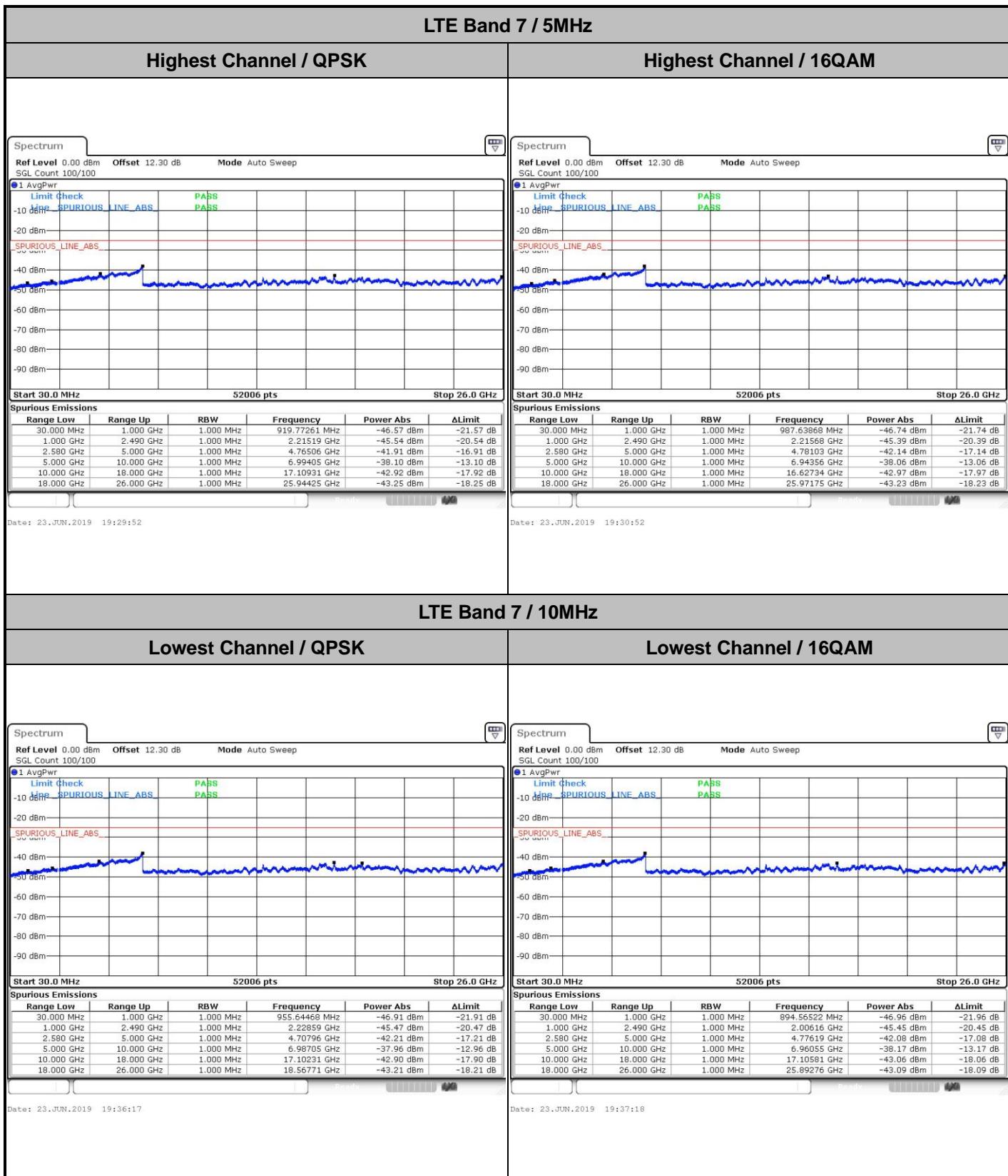
Lowest Channel / 16QAM

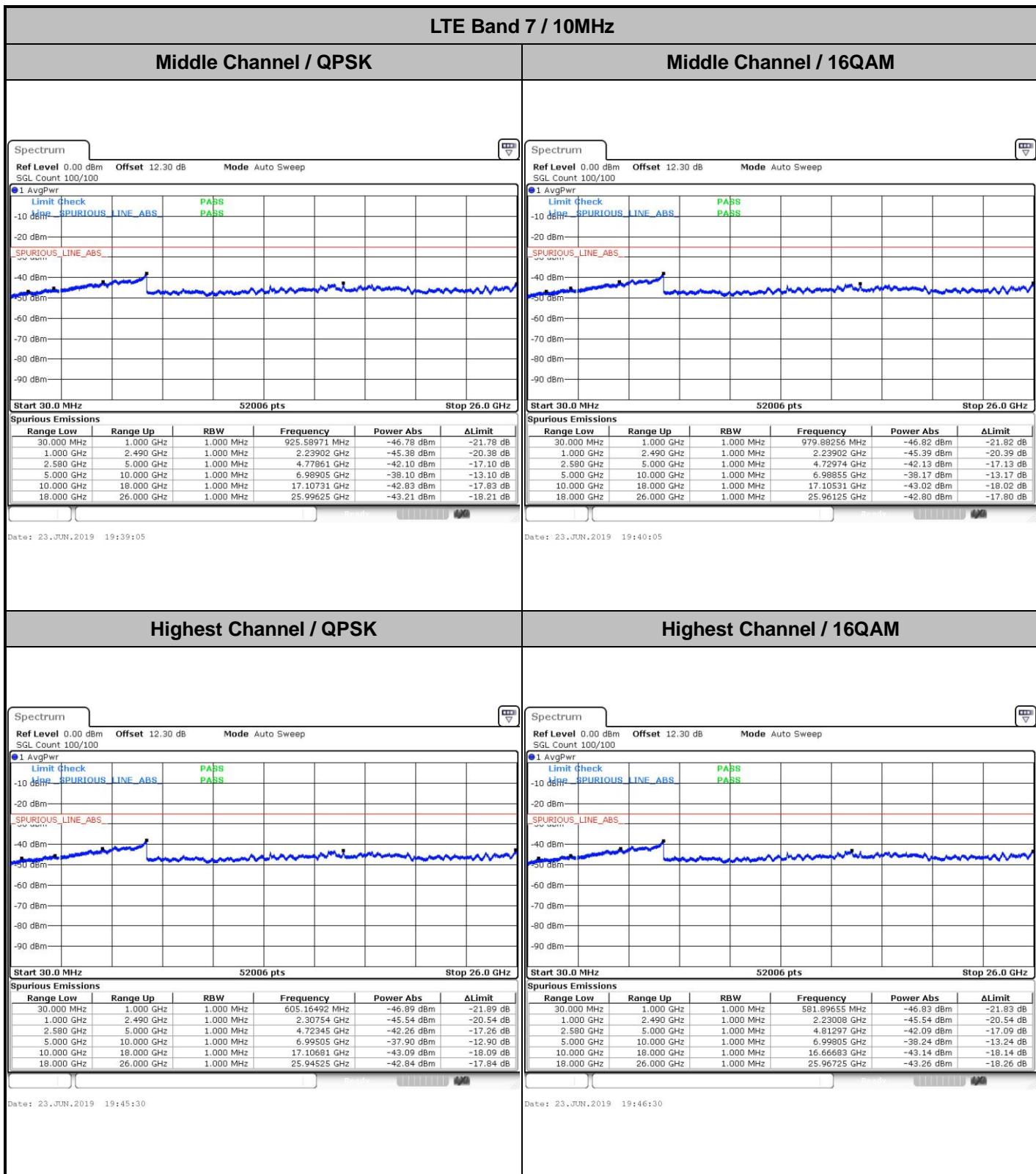


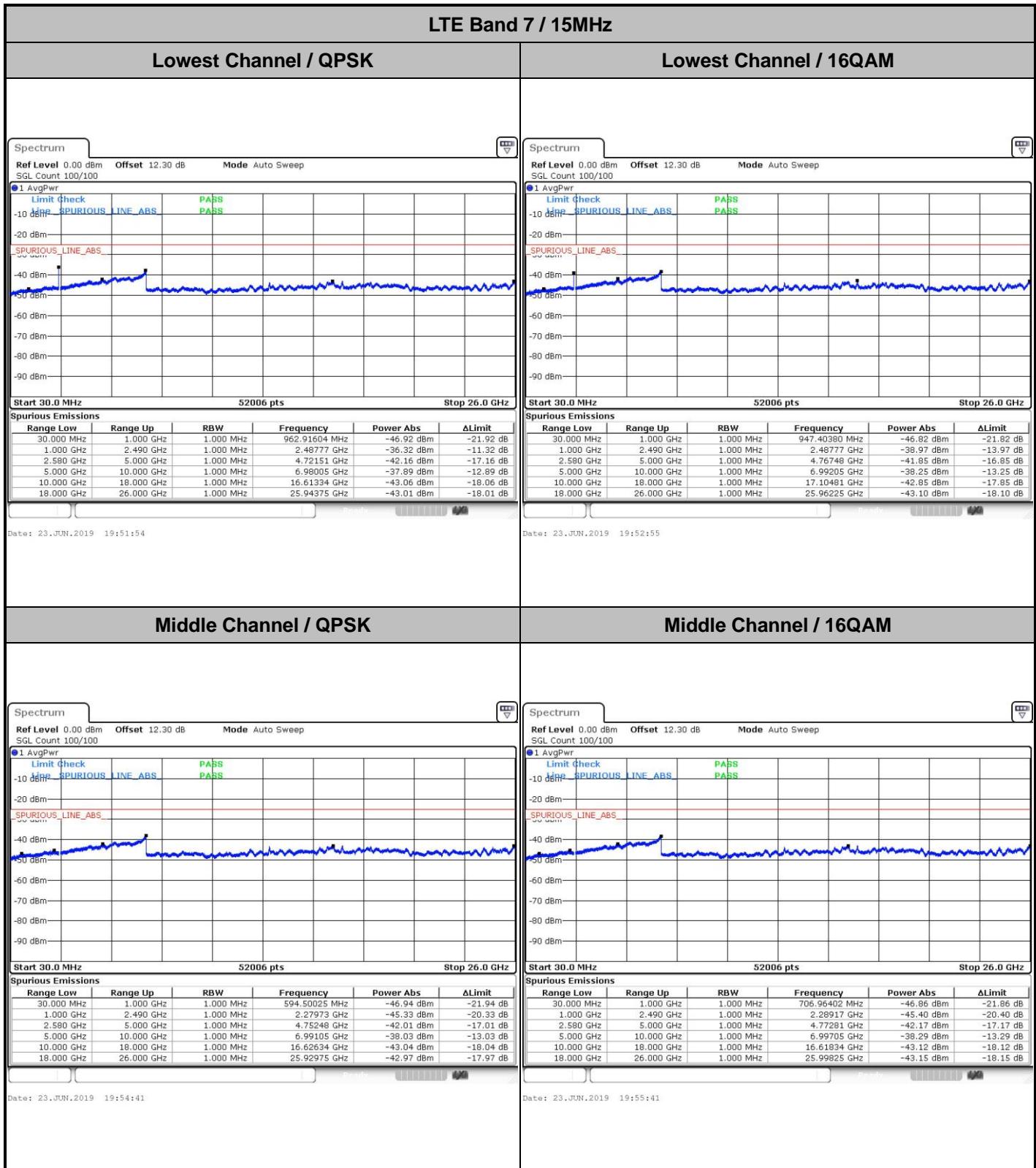
Middle Channel / QPSK

Middle Channel / 16QAM







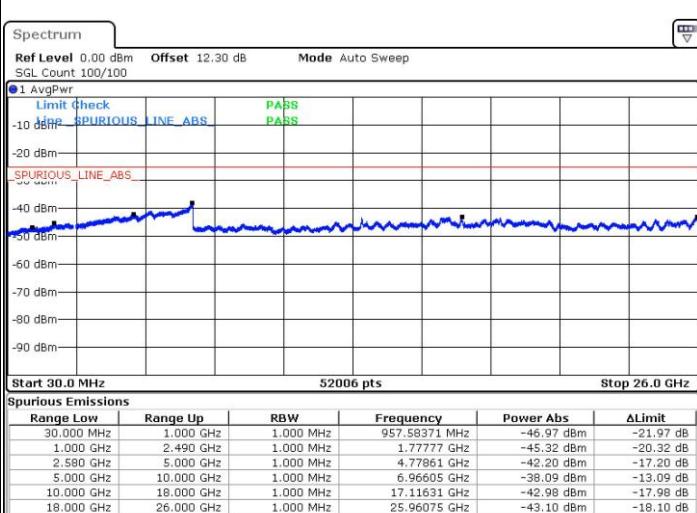
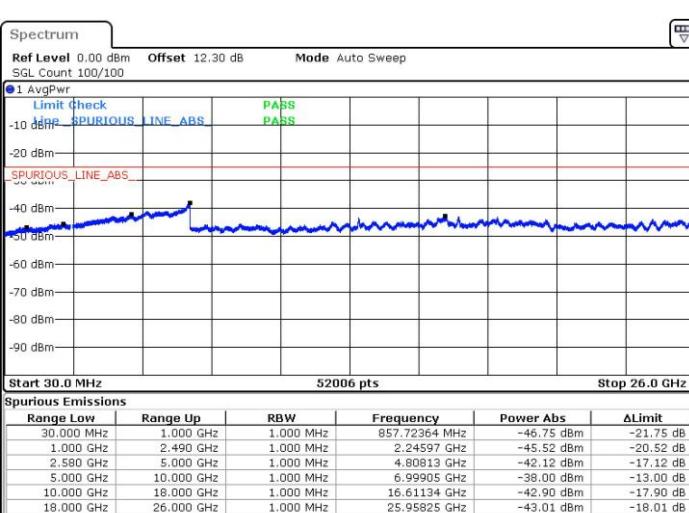




LTE Band7 / 15MHz

Highest Channel / QPSK

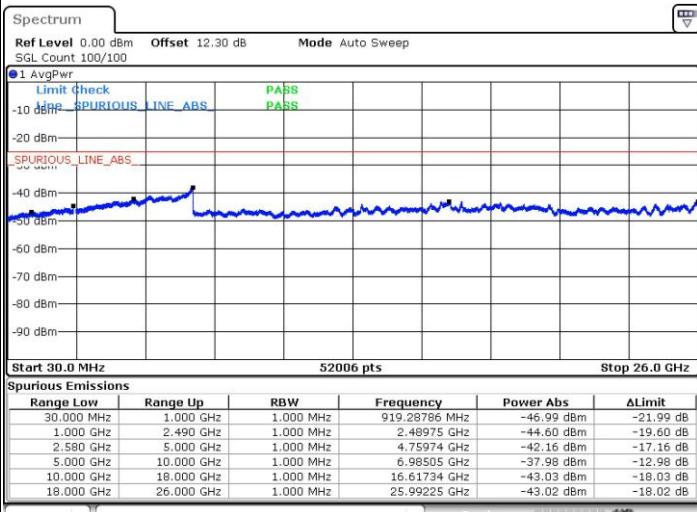
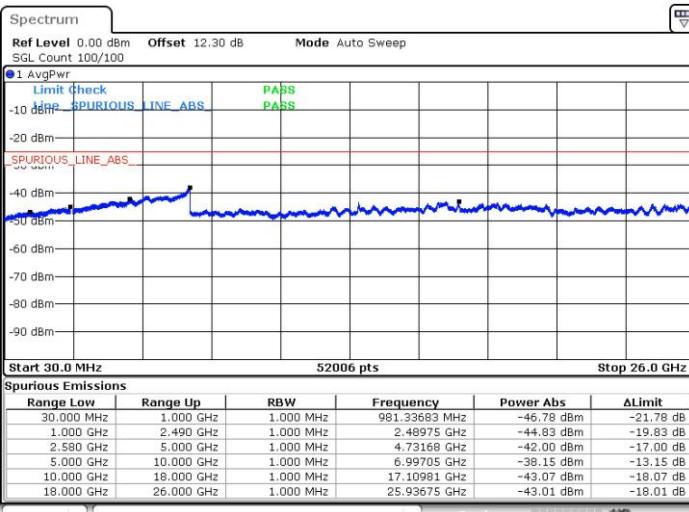
Highest Channel / 16QAM

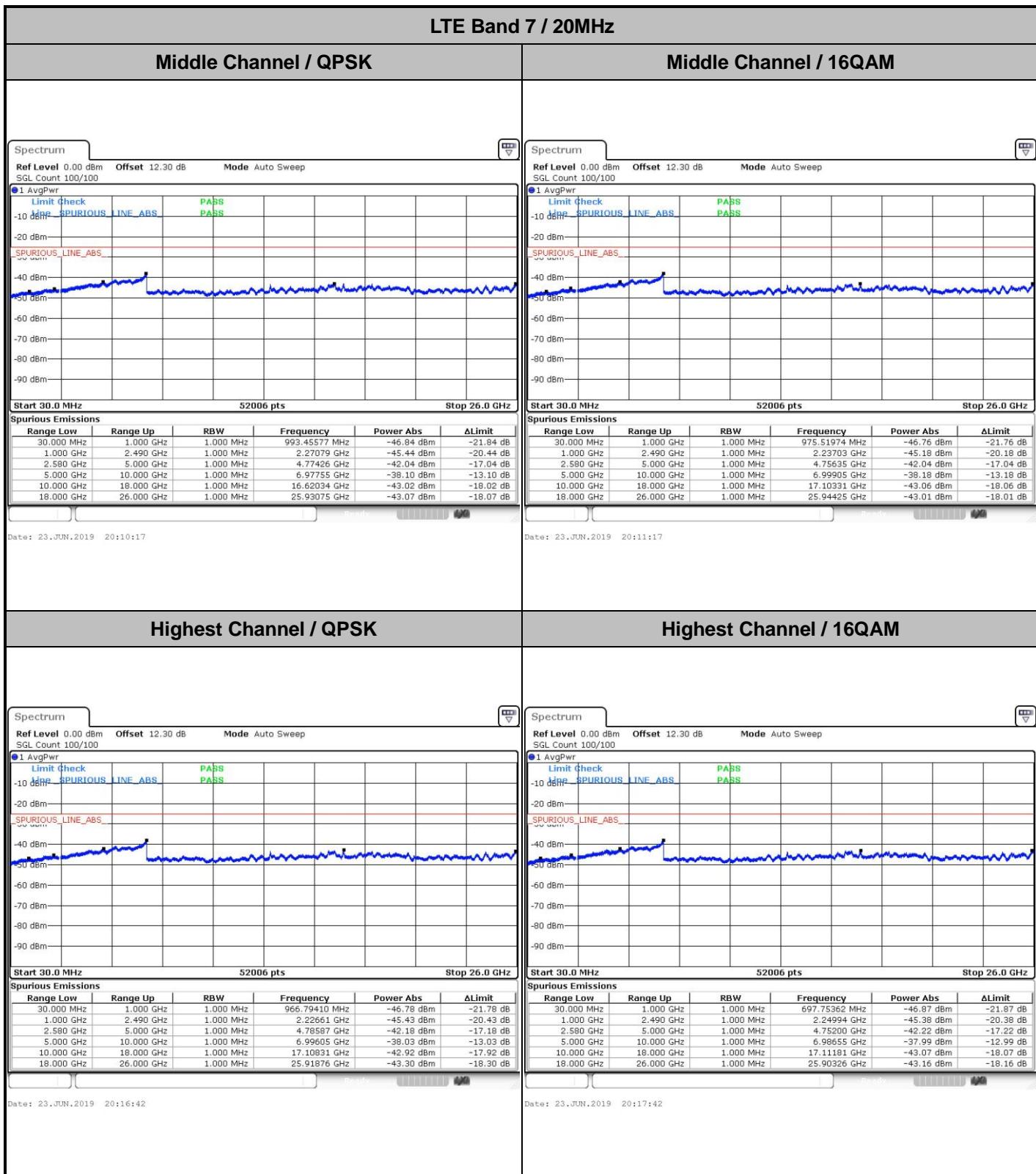


LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







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	0.0003	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

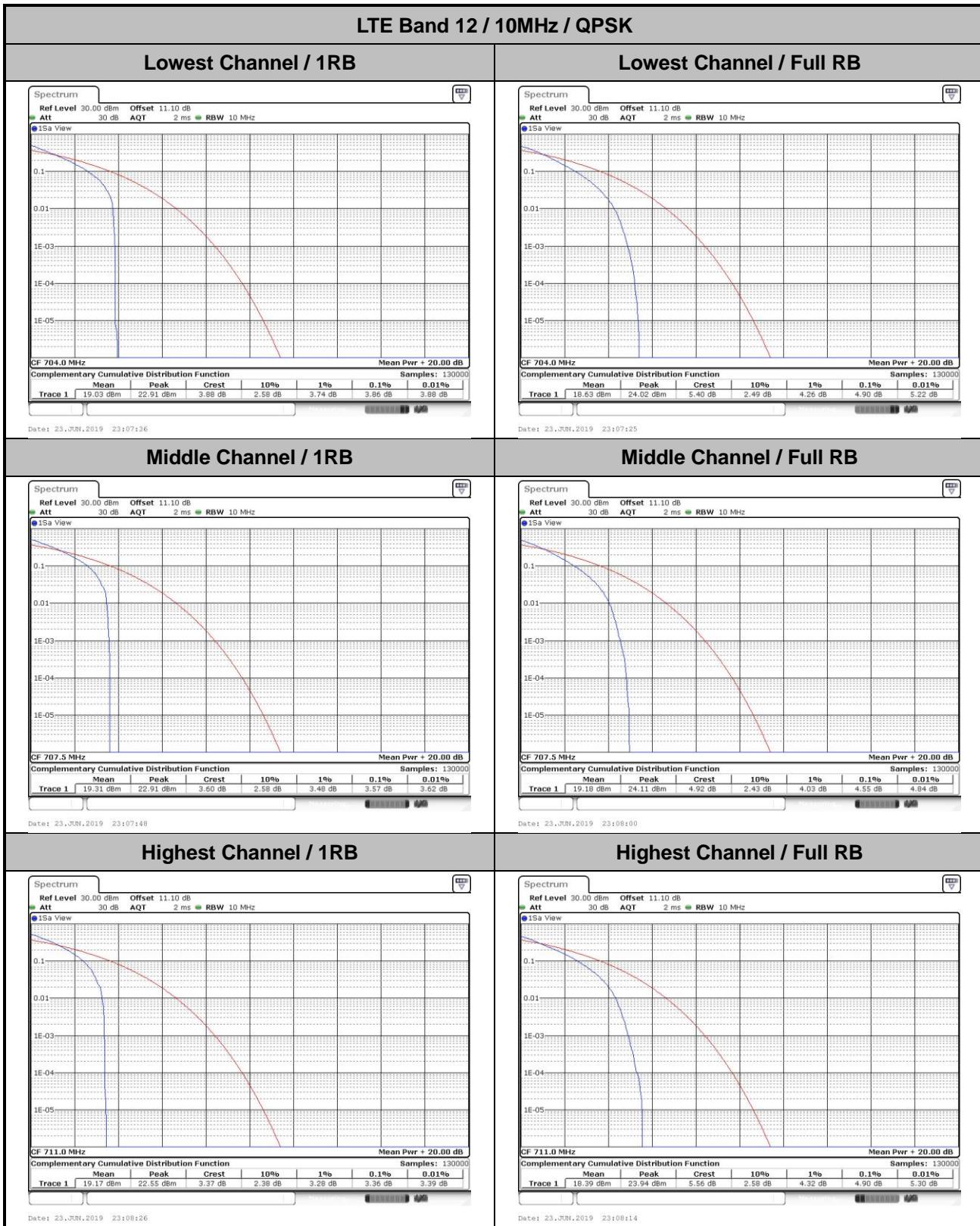
1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.8 V. ; Maximum Voltage =8.8 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

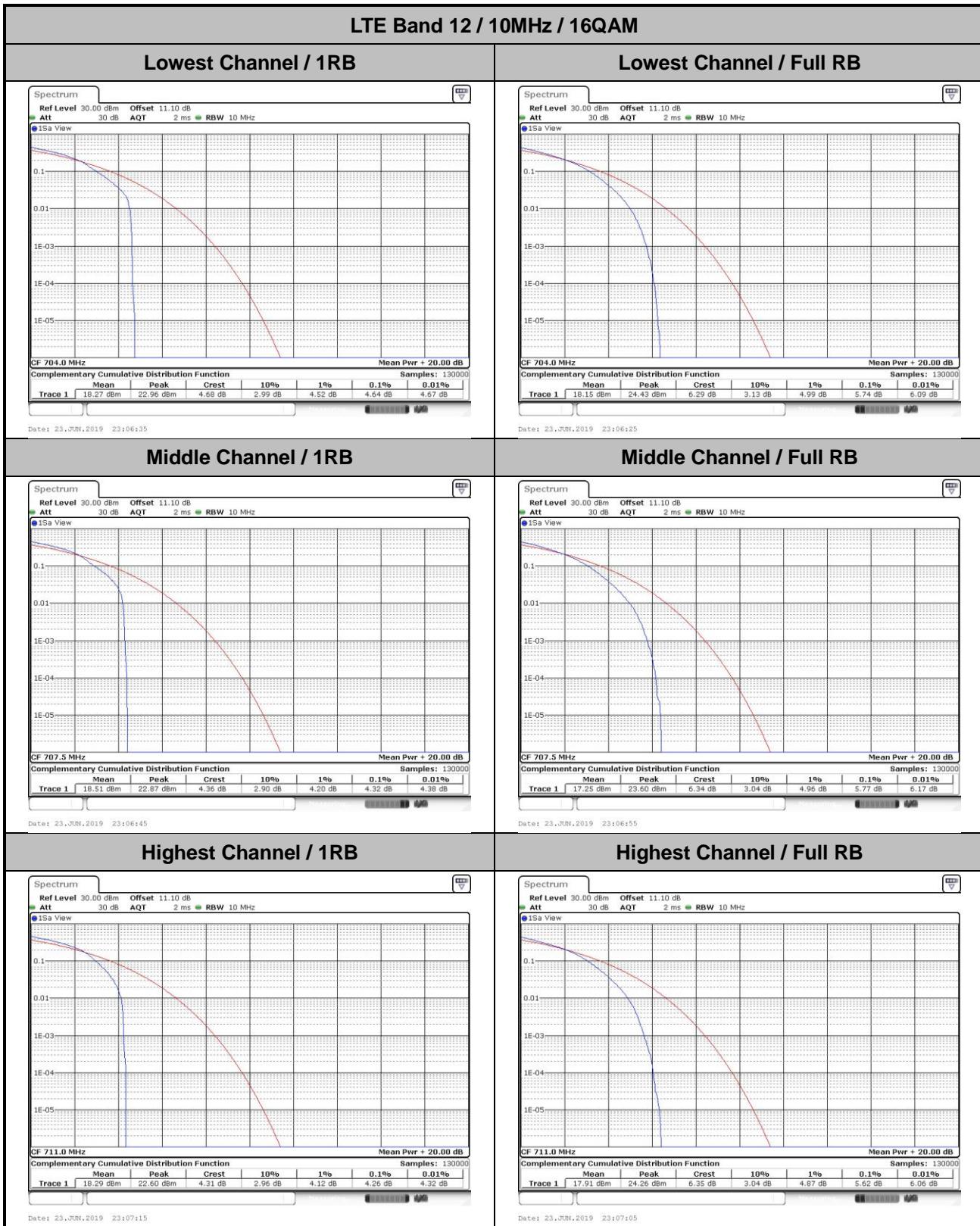


LTE Band 12

Peak-to-Average Ratio

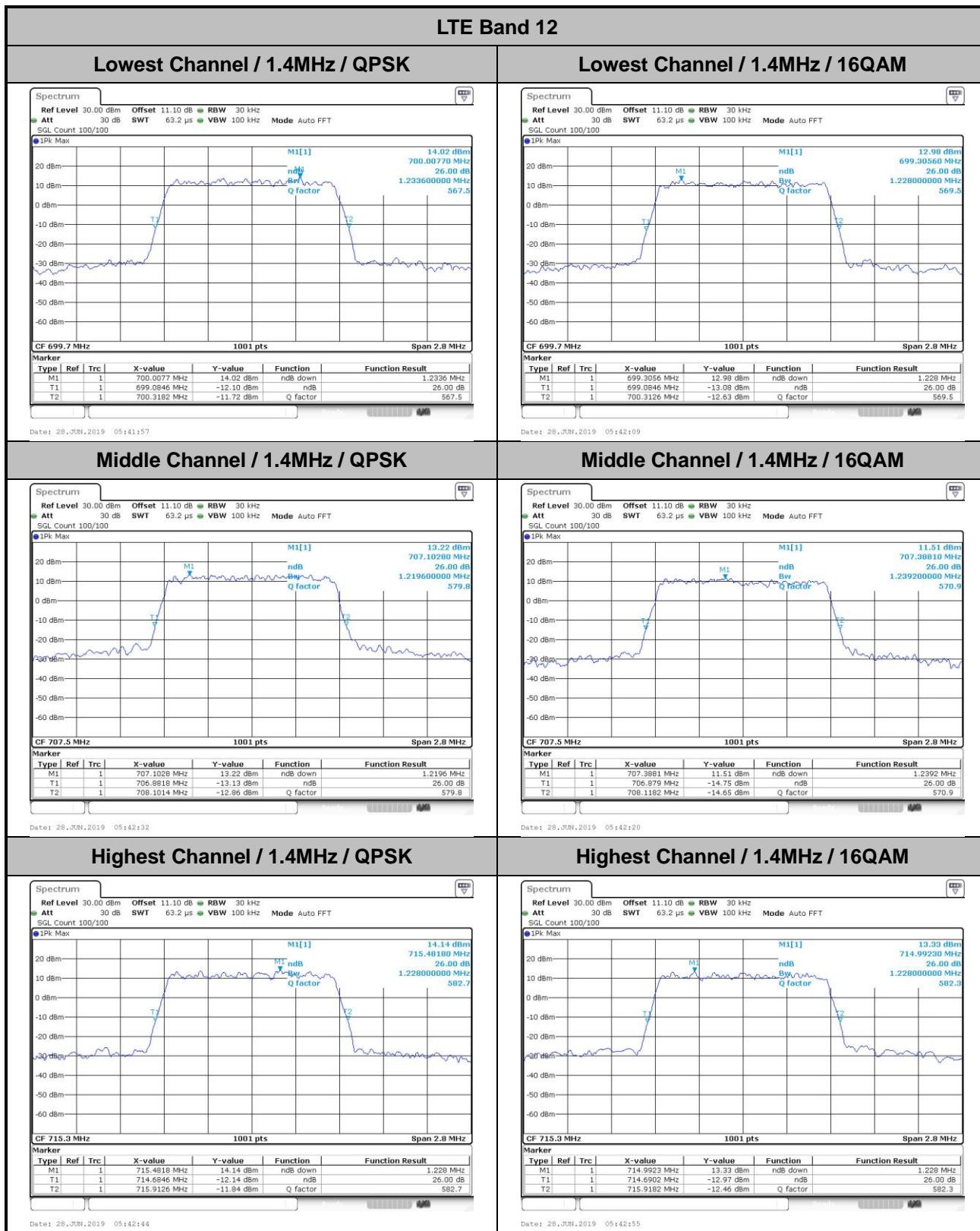
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.86	4.9	4.64	5.74	PASS
Middle CH	3.57	4.55	4.32	5.77	
Highest CH	3.36	4.9	4.26	5.62	

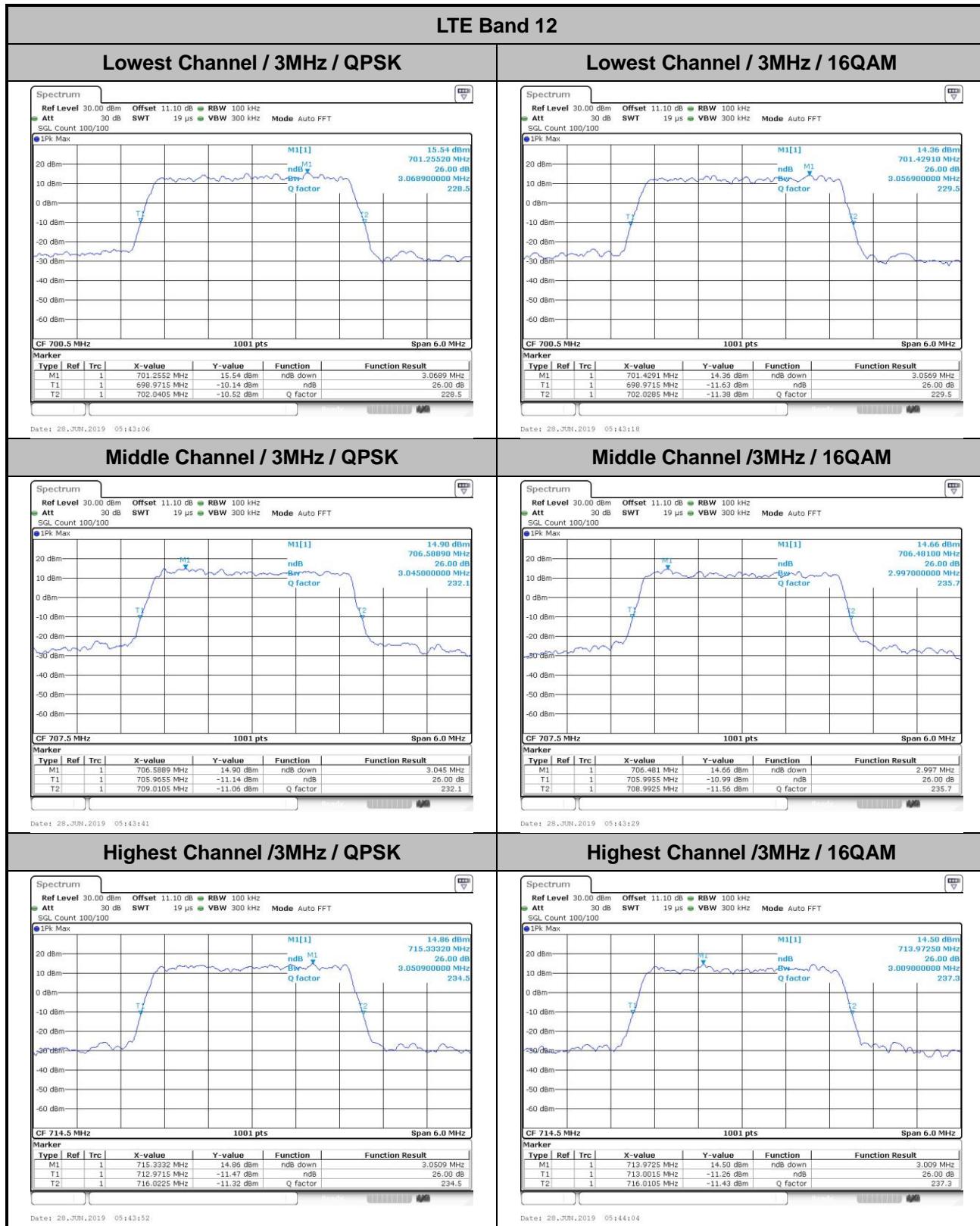


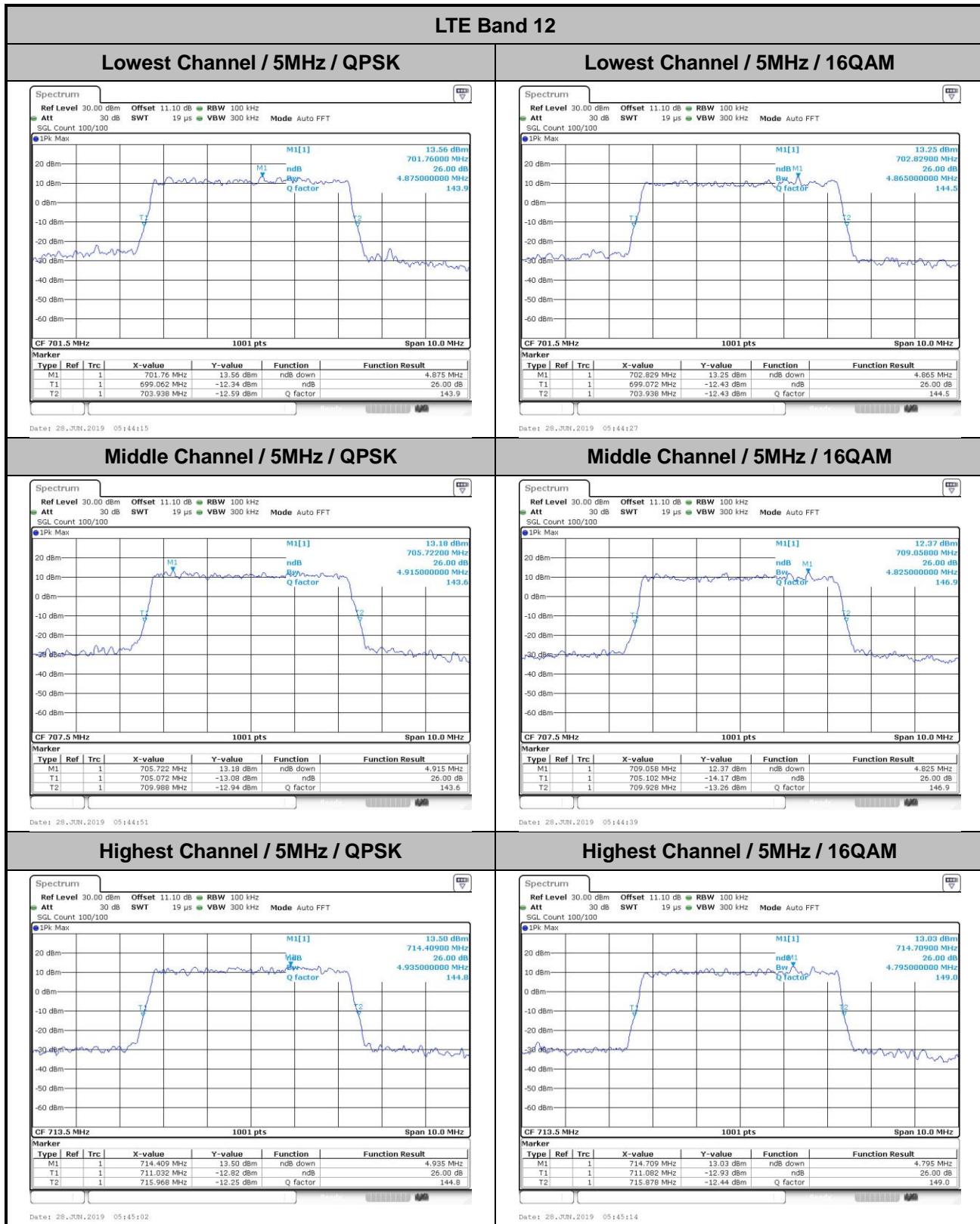


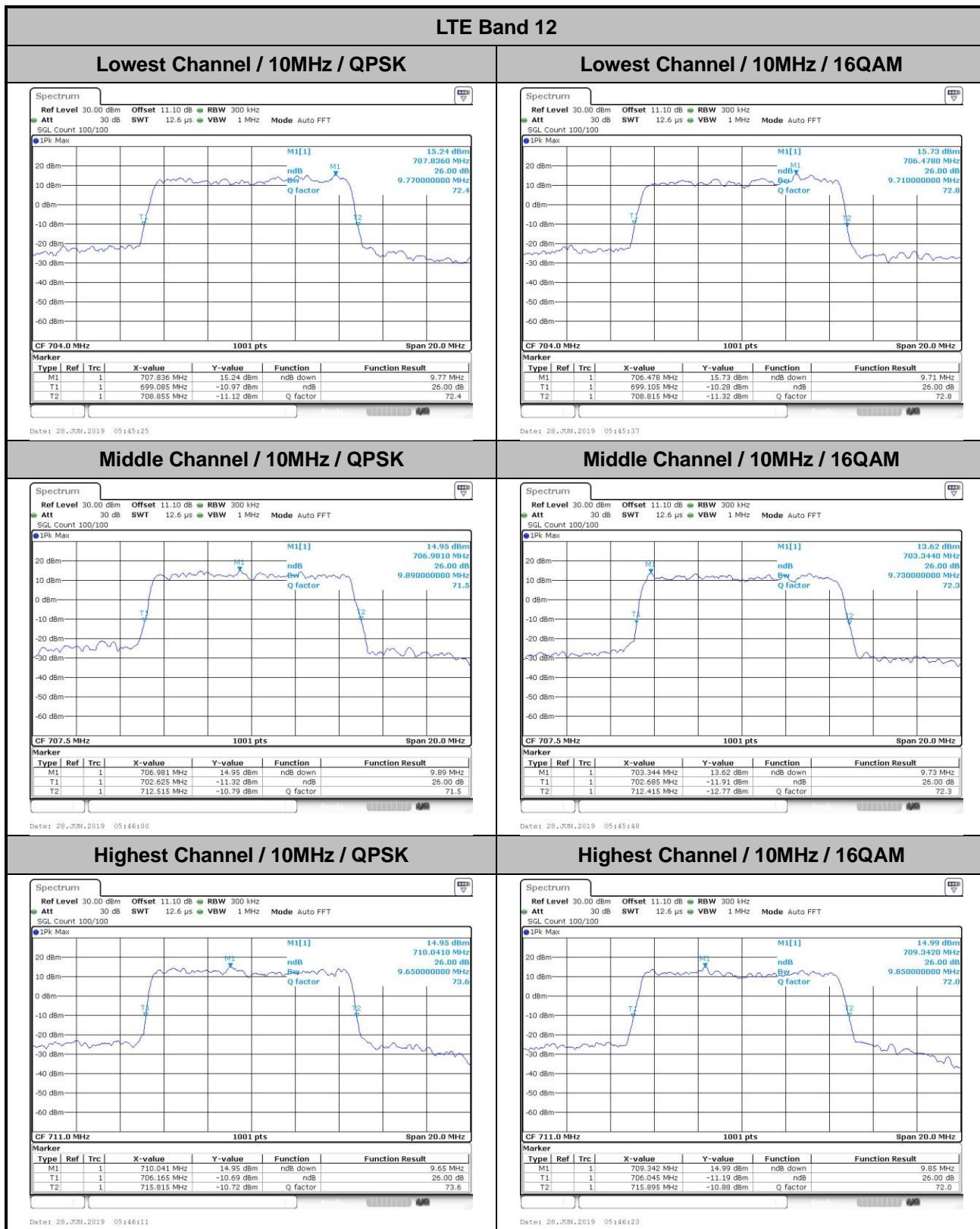
**26dB Bandwidth**

Mode BW Mod.	LTE Band 12 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.22	3.06	3.05	4.87	4.86	9.77	9.71	-	-	-	-
Middle CH	1.21	1.23	3.04	2.99	4.91	4.82	9.89	9.73	-	-	-	-
Highest CH	1.22	1.22	3.05	3	4.93	4.79	9.65	9.85	-	-	-	-









**Occupied Bandwidth**

Mode BW Mod.	LTE Band 12 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.09	2.72	2.73	4.48	4.48	9.09	9.03	-	-	-	-
Middle CH	1.08	1.09	2.72	2.72	4.48	4.48	9.01	9.01	-	-	-	-
Highest CH	1.08	1.08	2.72	2.72	4.47	4.48	9.09	9.03	-	-	-	-