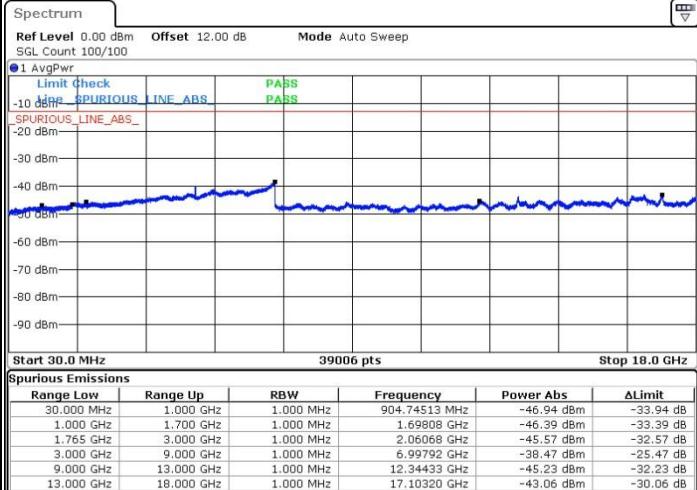
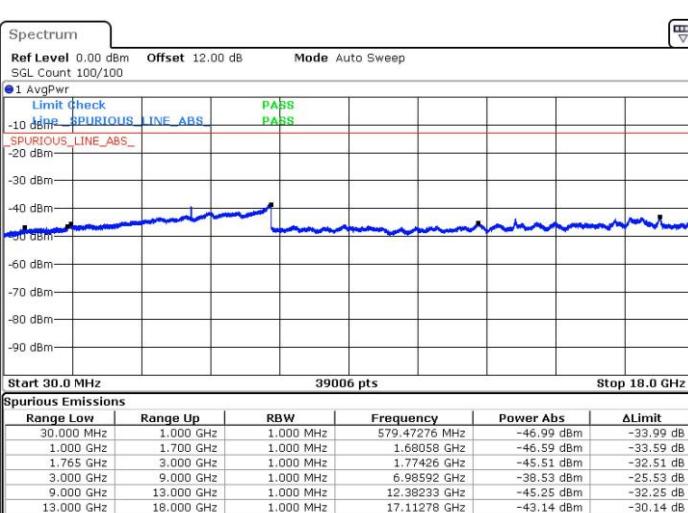




LTE Band 4 / 5MHz

Highest Channel / QPSK

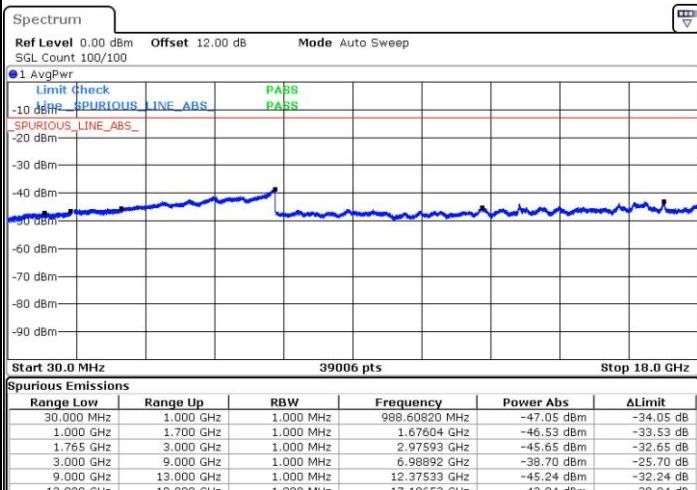
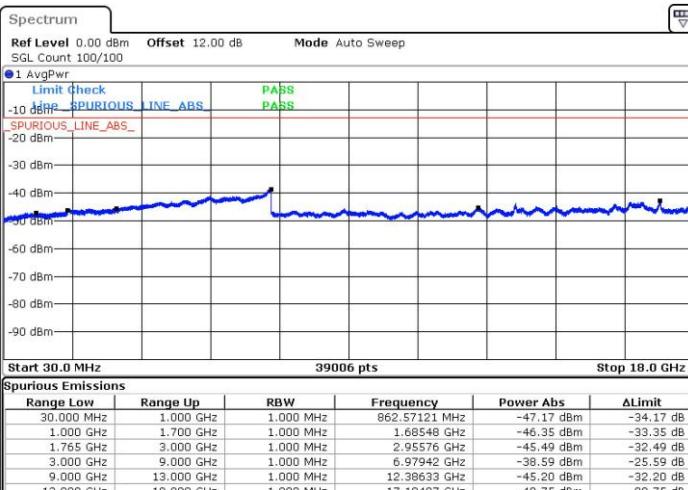
Highest Channel / 16QAM

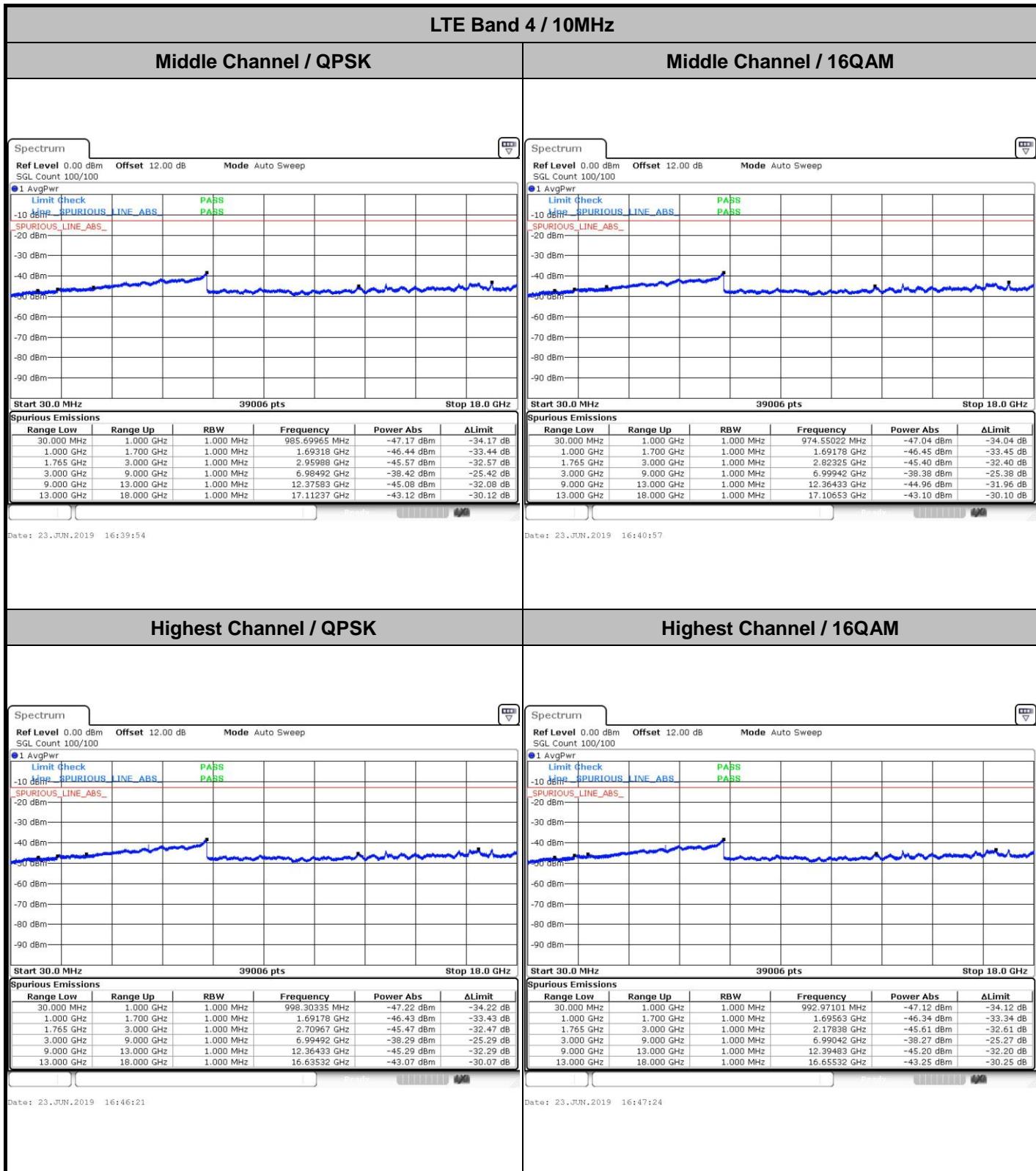


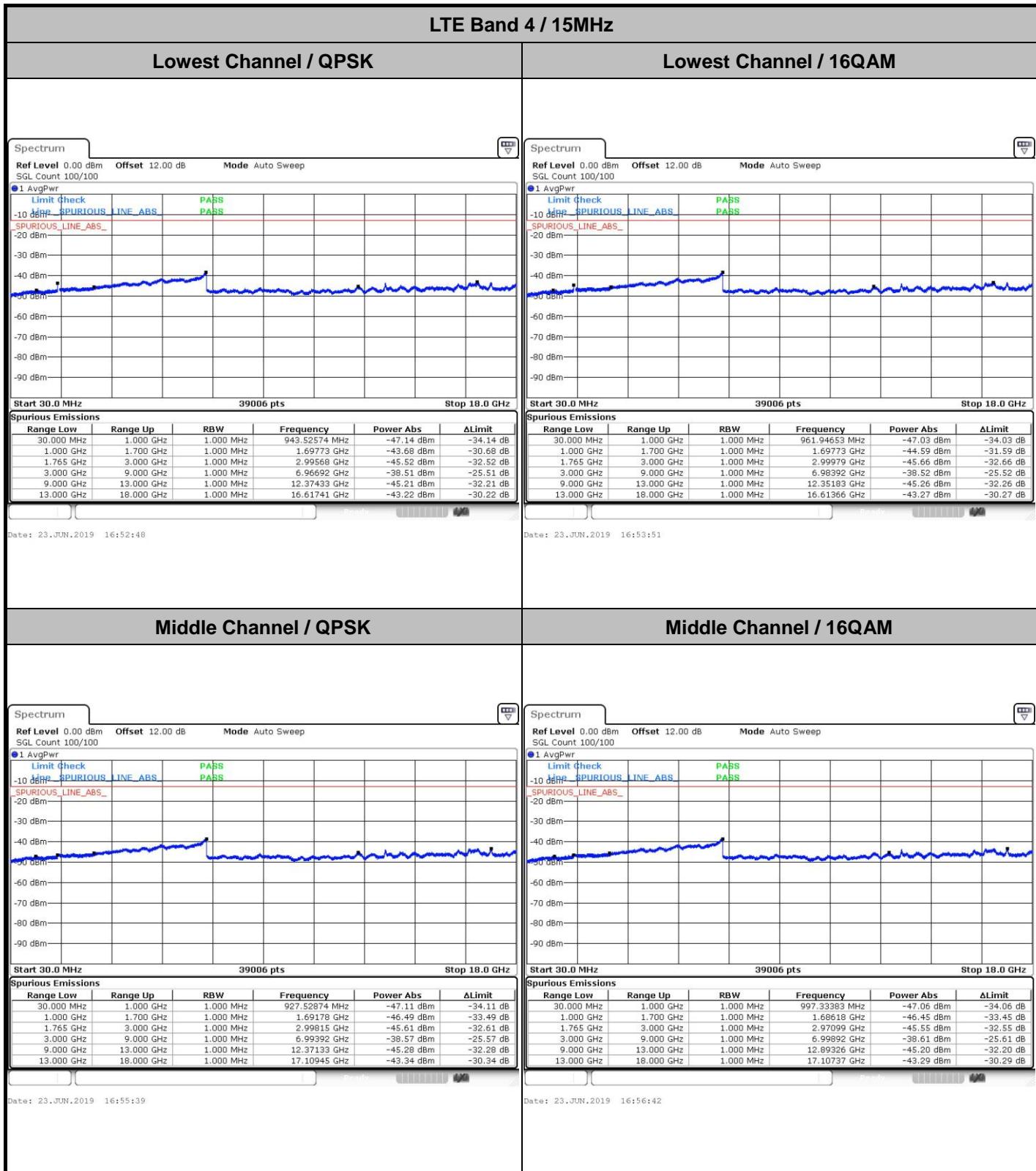
LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM





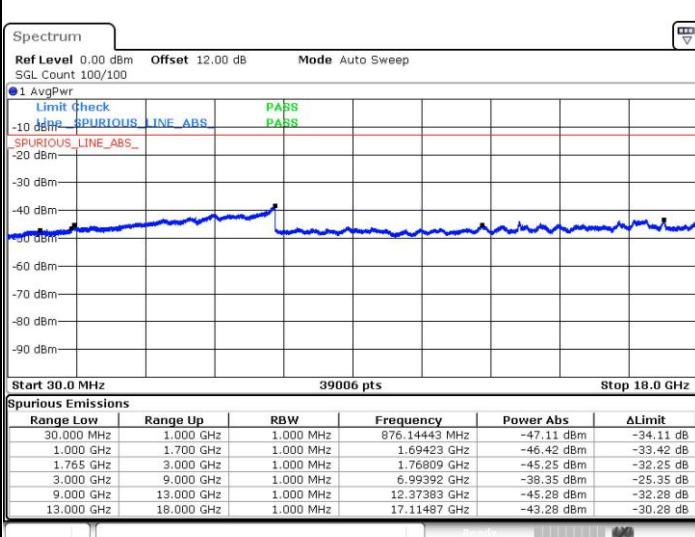
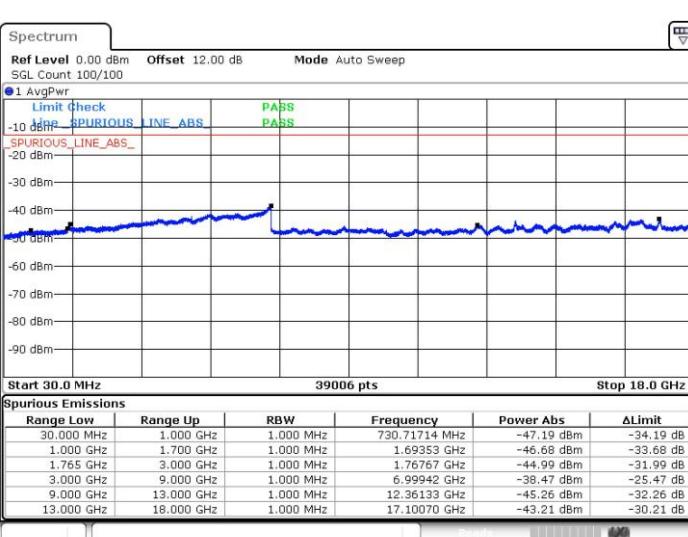




LTE Band 4 / 15MHz

Highest Channel / QPSK

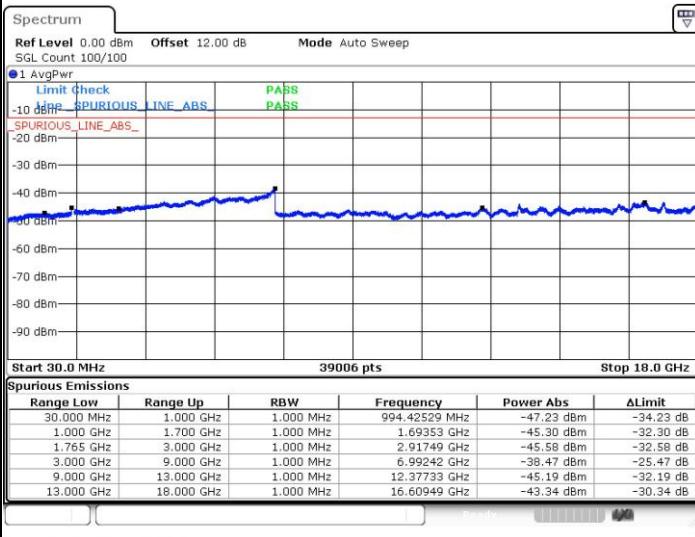
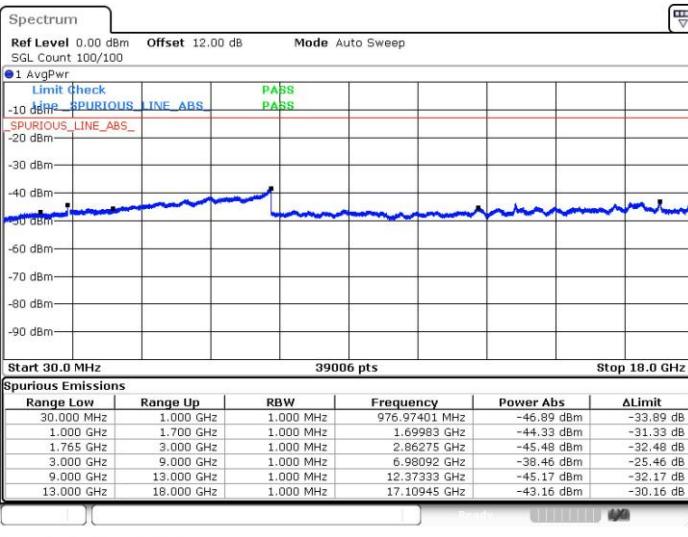
Highest Channel / 16QAM

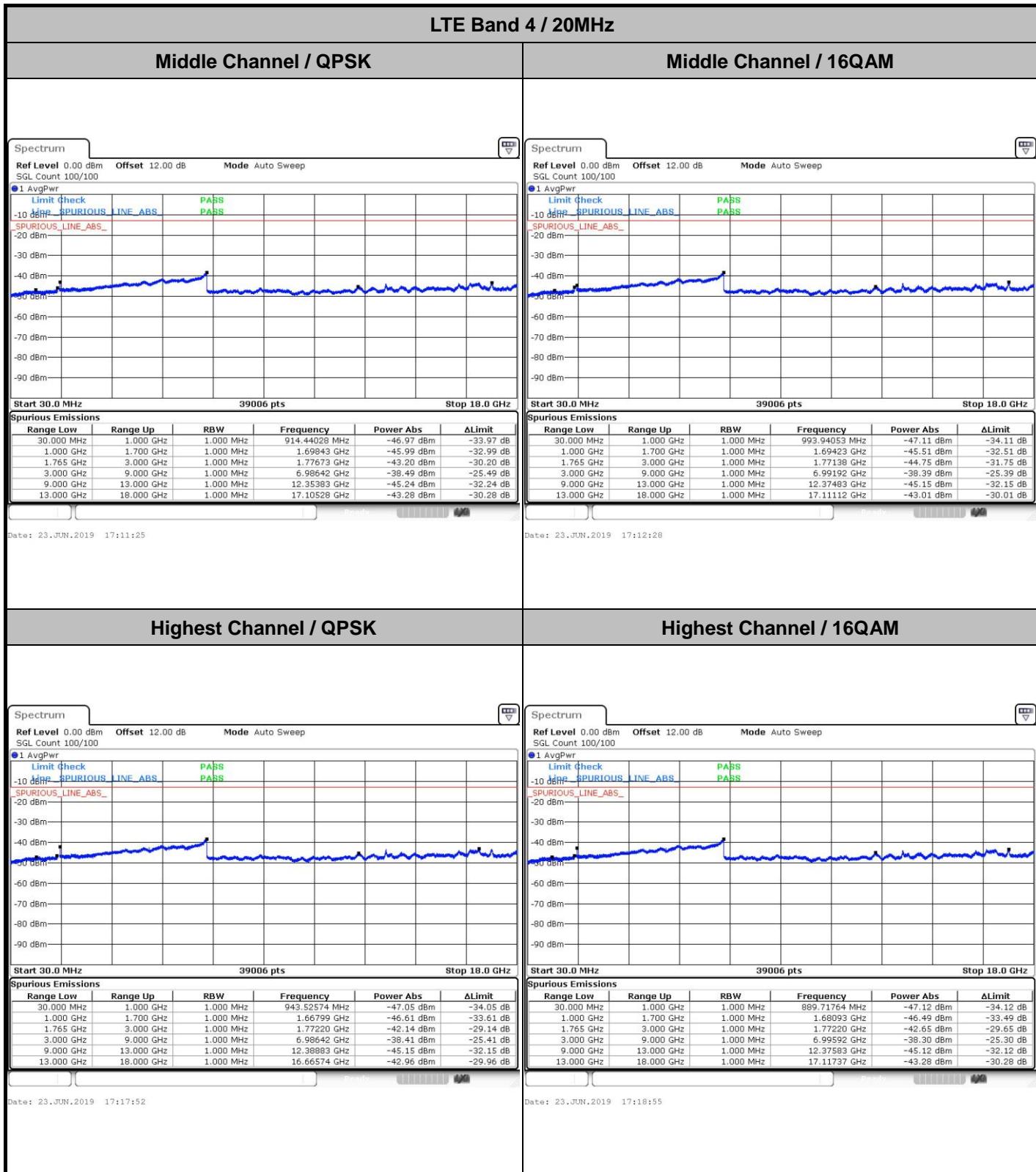


LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM







Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0030	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

Note:

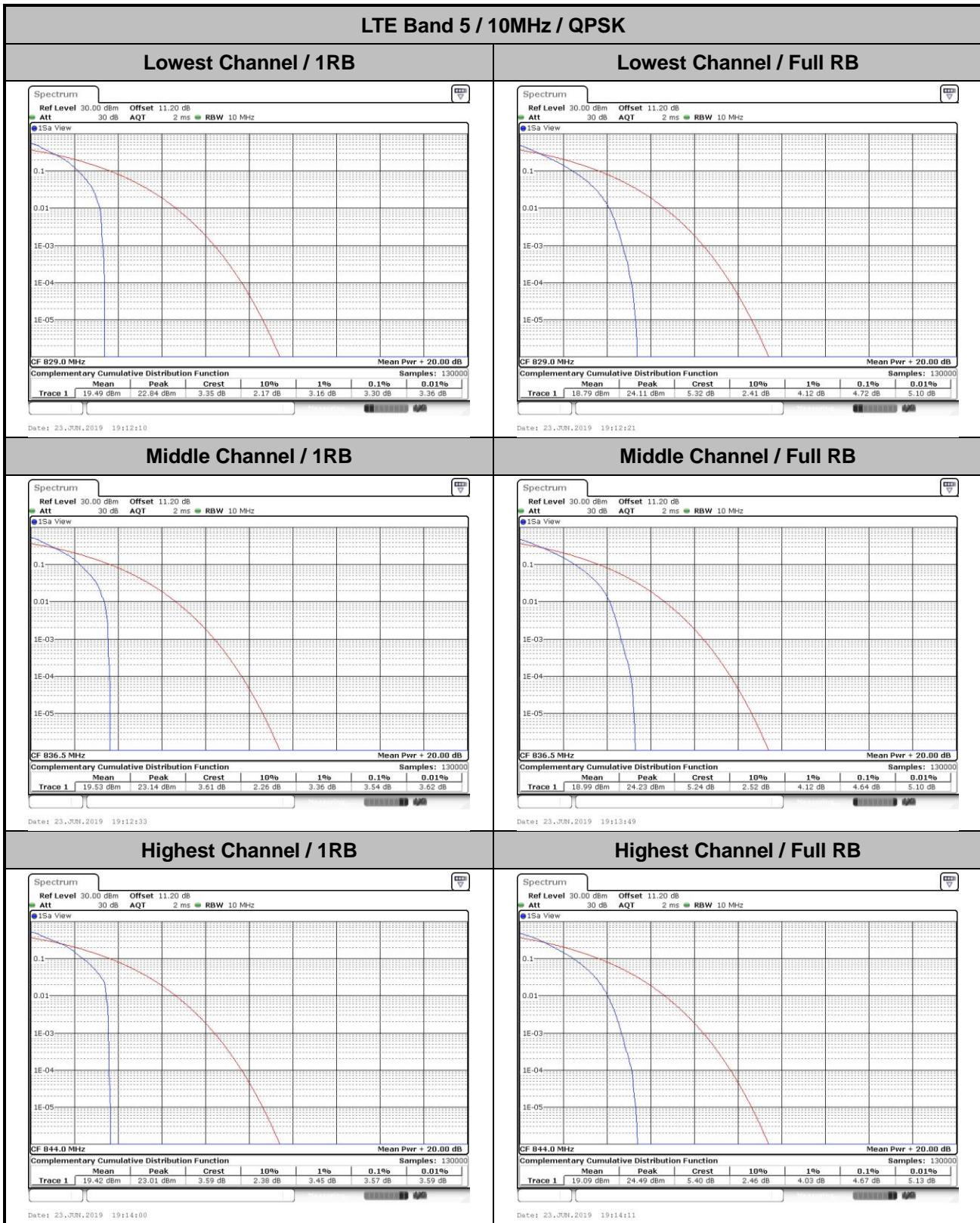
1. Normal Voltage =7.7 V. ; Battery End Point (BEP) =6.8 V. ; Maximum Voltage =8.8 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

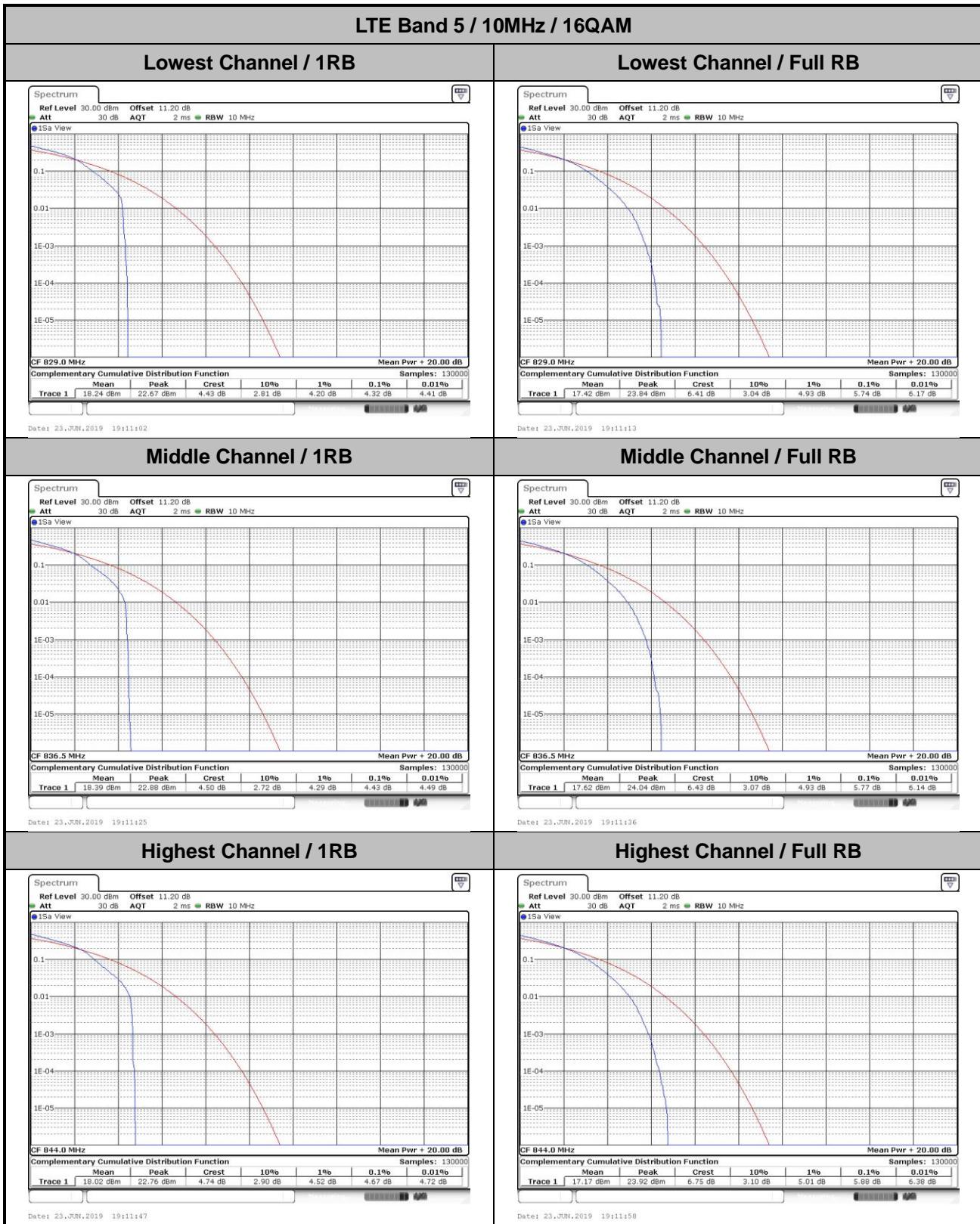


LTE Band 5

Peak-to-Average Ratio

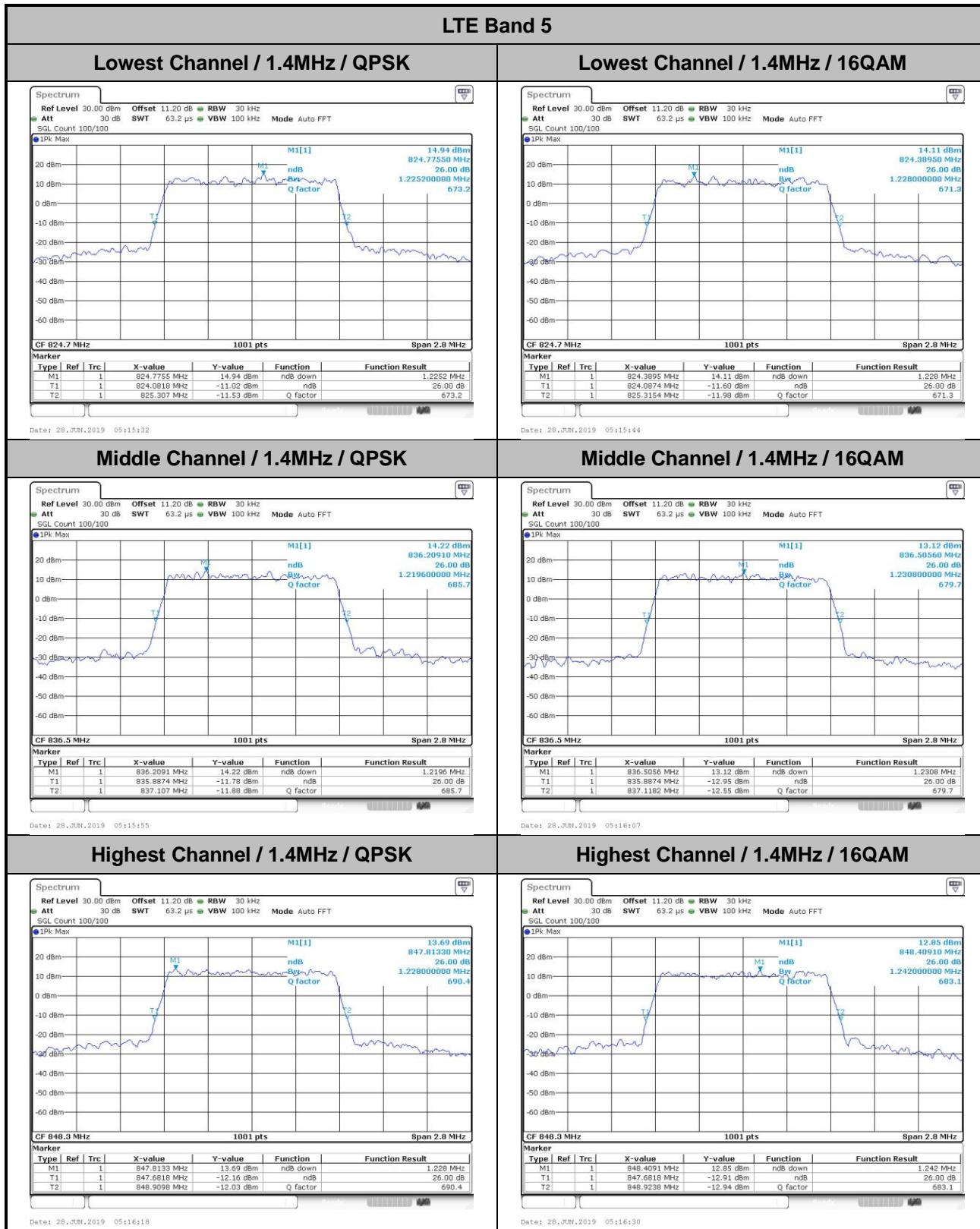
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.3	4.72	4.32	5.74	PASS
Middle CH	3.54	4.64	4.43	5.77	
Highest CH	3.57	4.67	4.67	5.88	

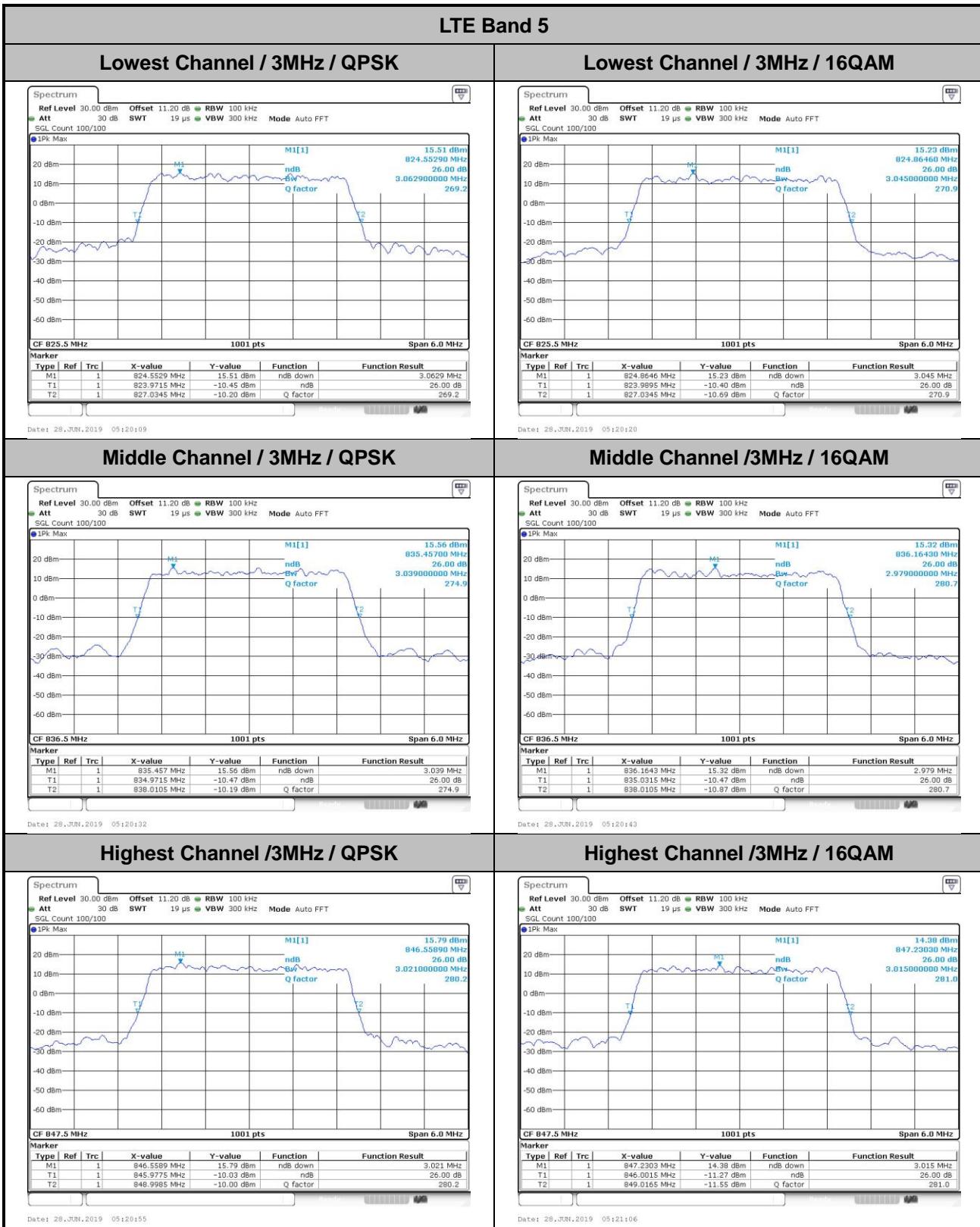


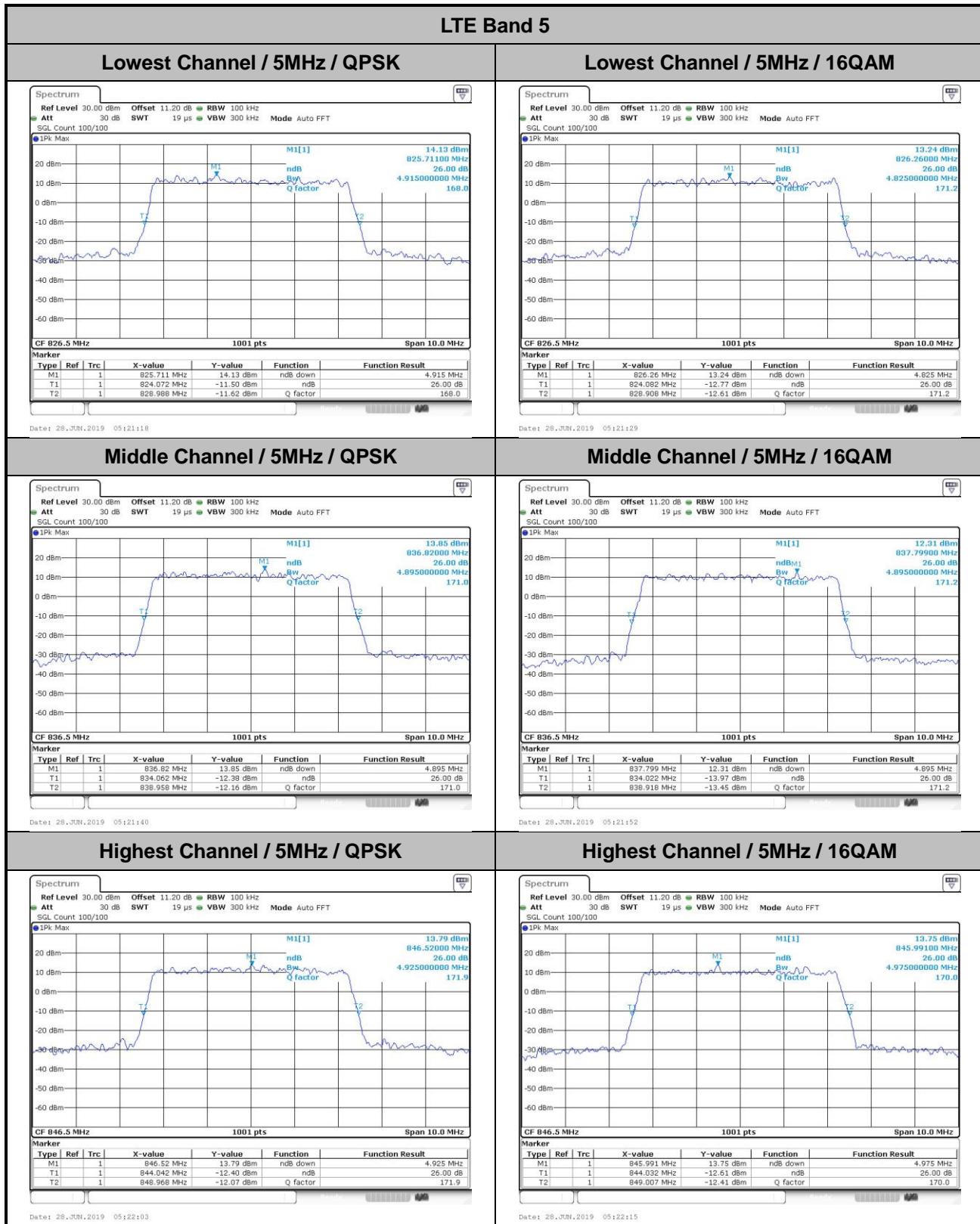


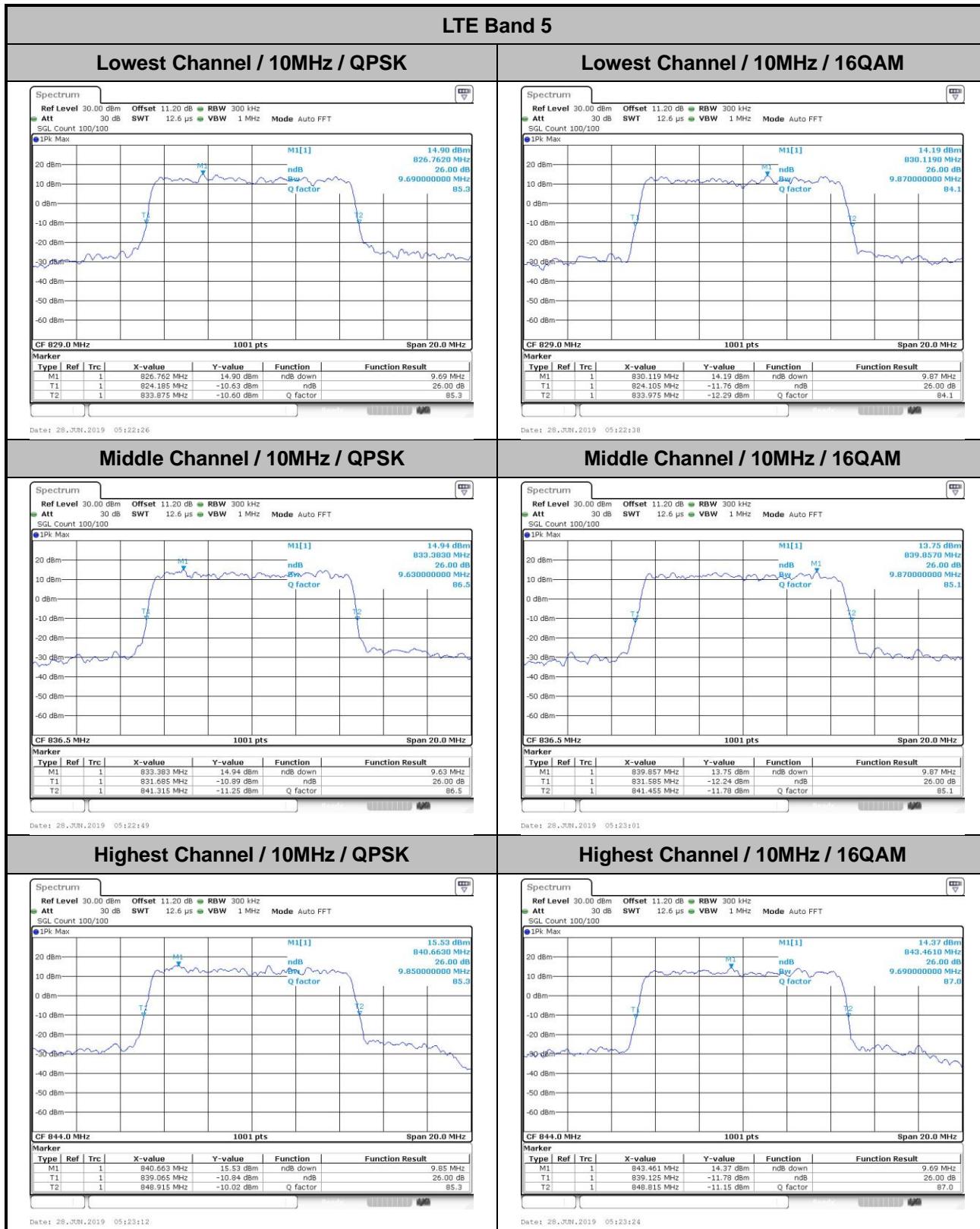
**26dB Bandwidth**

Mode BW Mod.	LTE Band 5 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.22	3.06	3.04	4.91	4.82	9.69	9.86	-	-	-	-
Middle CH	1.21	1.23	3.03	2.97	4.89	4.89	9.63	9.86	-	-	-	-
Highest CH	1.22	1.24	3.02	3.01	4.92	4.97	9.85	9.69	-	-	-	-









**Occupied Bandwidth**

Mode BW Mod.	LTE Band 5 : 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	2.7	2.69	4.48	4.47	9.05	9.07	-	-	-	-
Middle CH	1.09	1.08	2.72	2.71	4.49	4.47	9.05	9.01	-	-	-	-
Highest CH	1.08	1.09	2.7	2.72	4.49	4.49	8.97	9.01	-	-	-	-

