

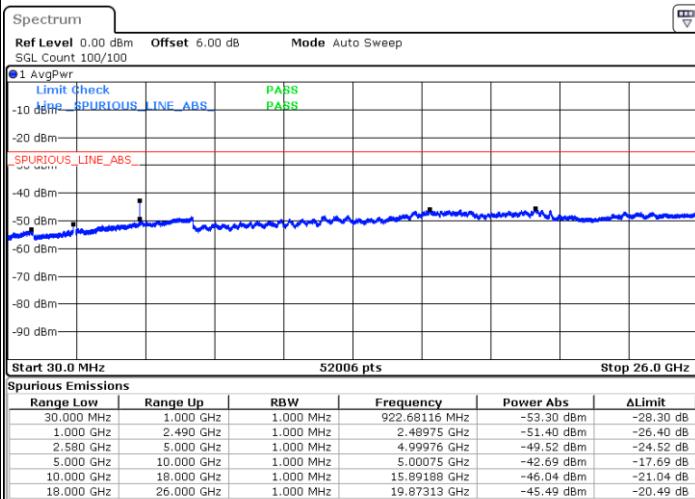
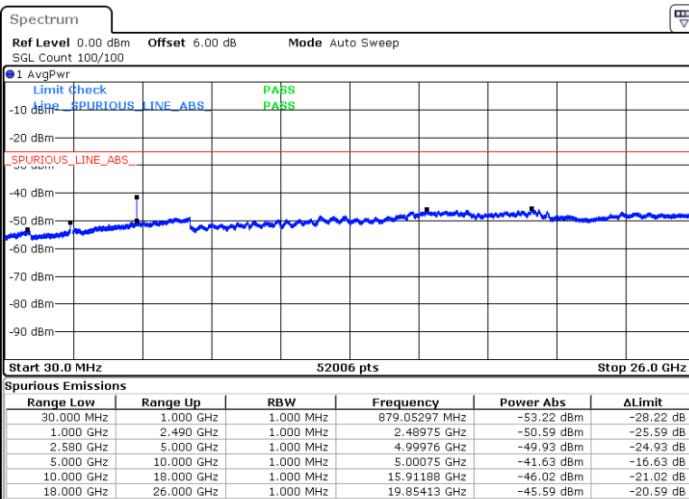


Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

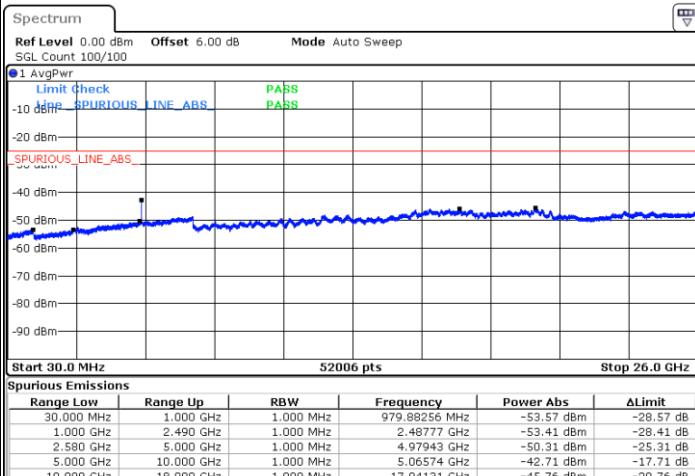
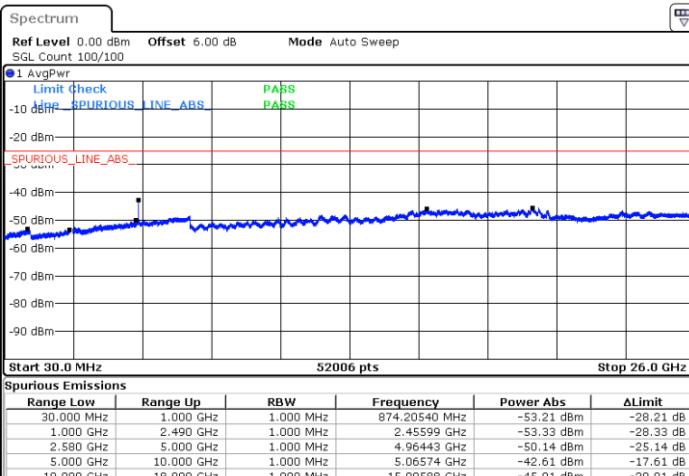


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Date: 14.NOV.2019 11:47:08

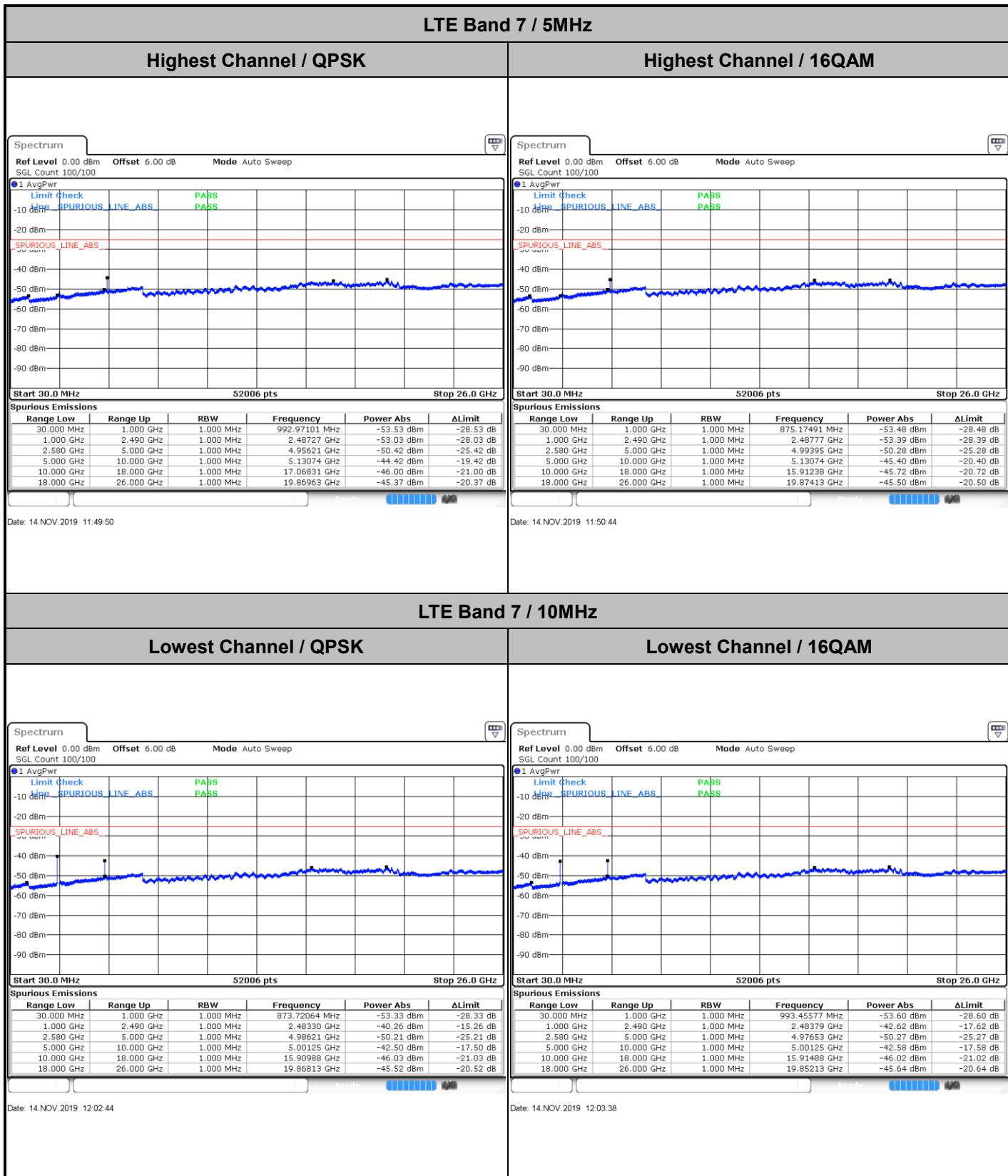
Middle Channel / QPSK

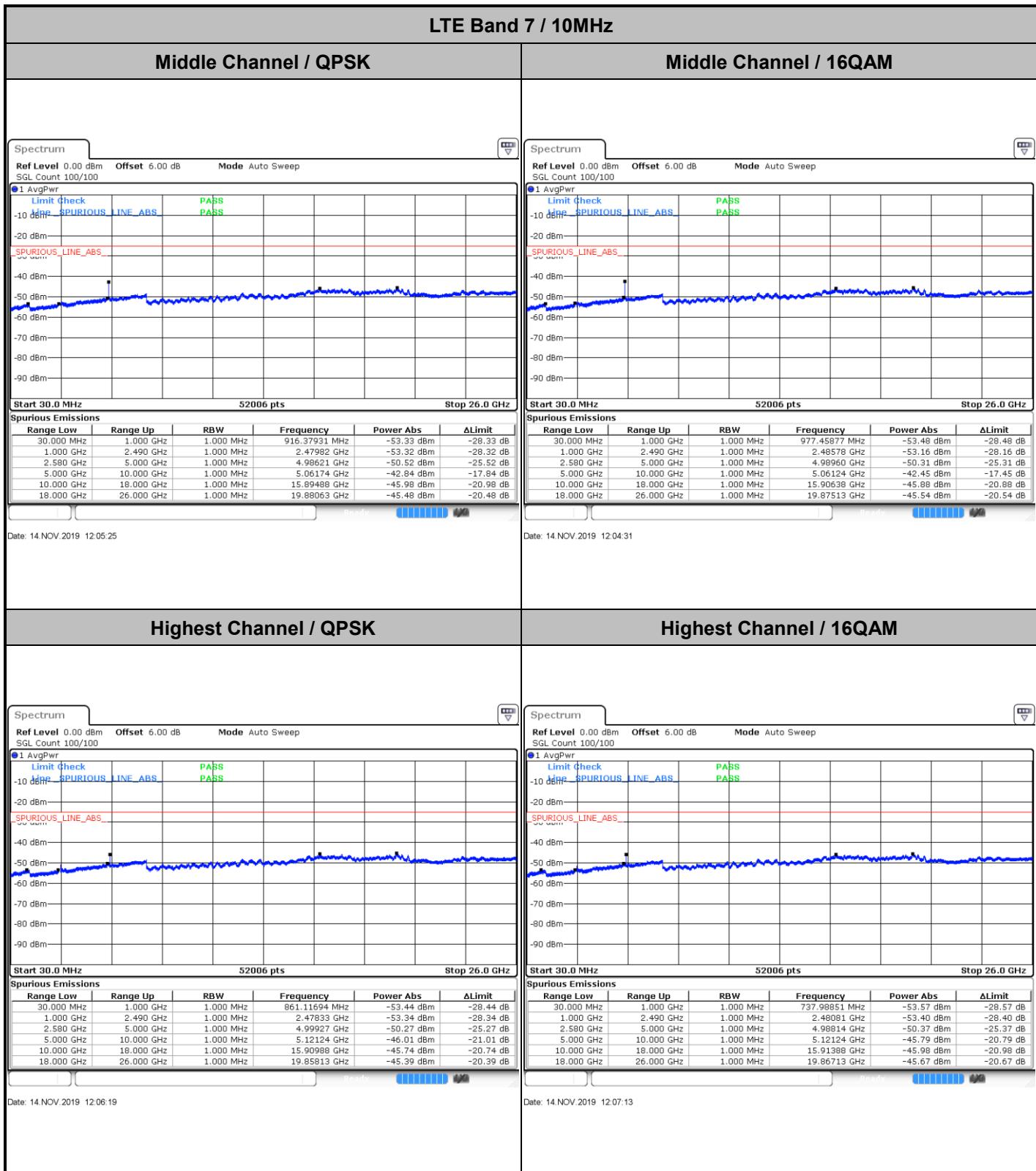
Middle Channel / 16QAM

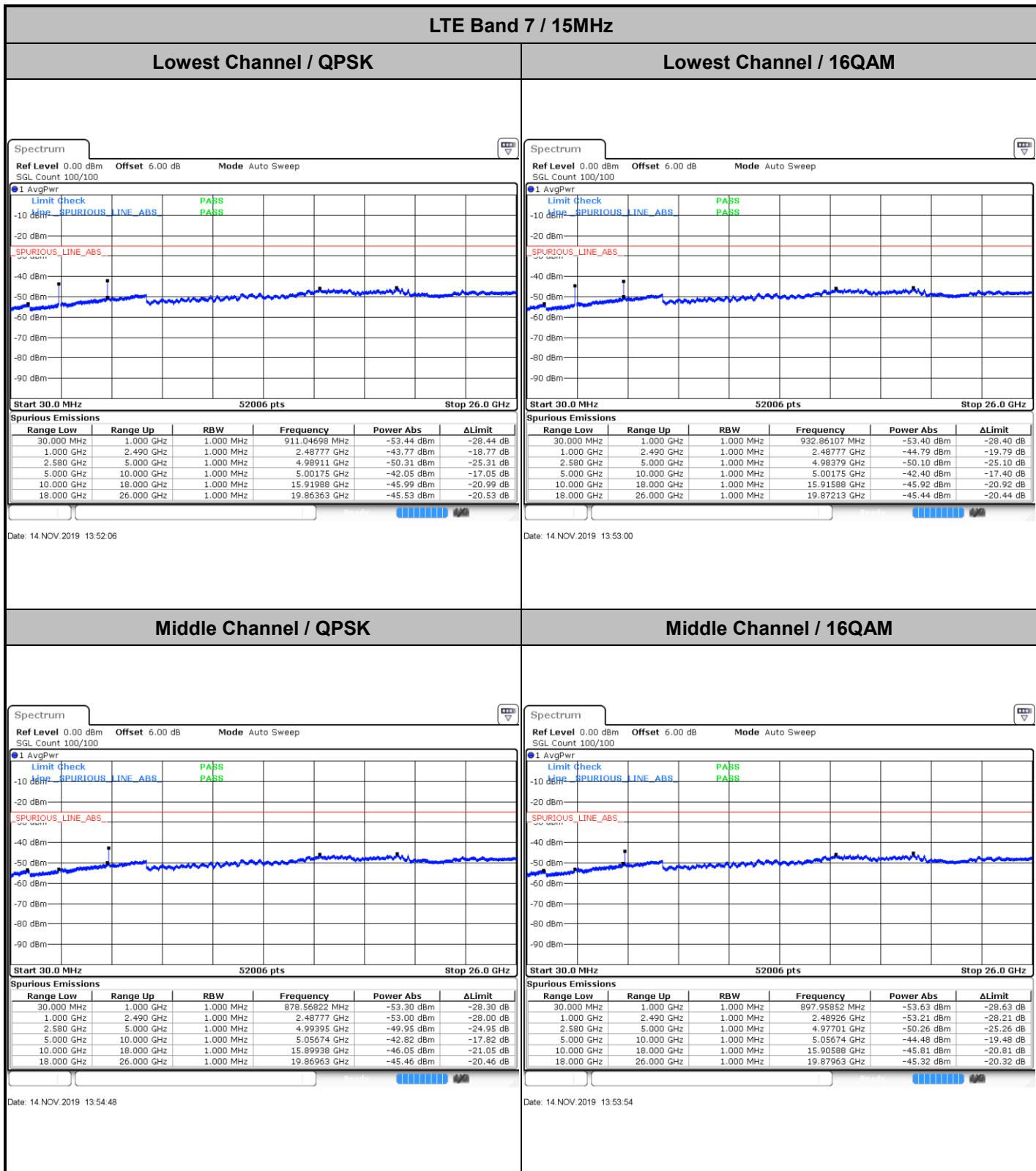


Date: 14.NOV.2019 11:48:02

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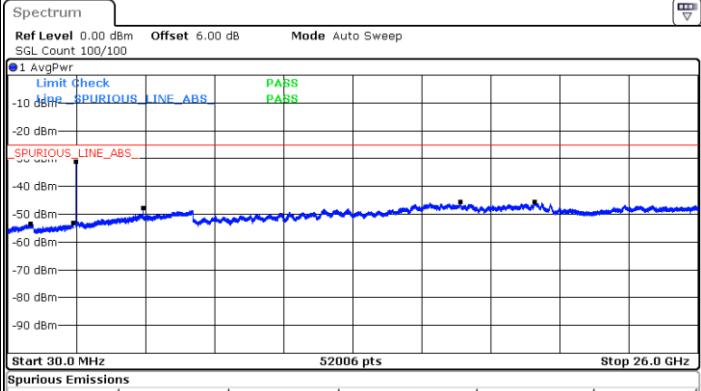
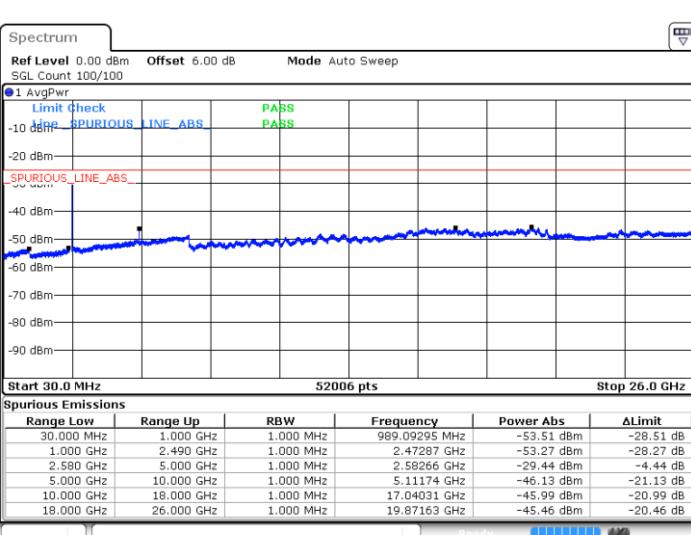




LTE Band7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



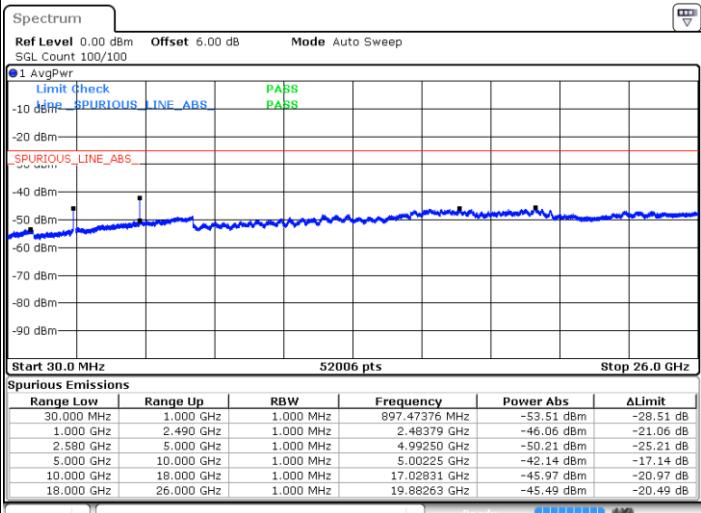
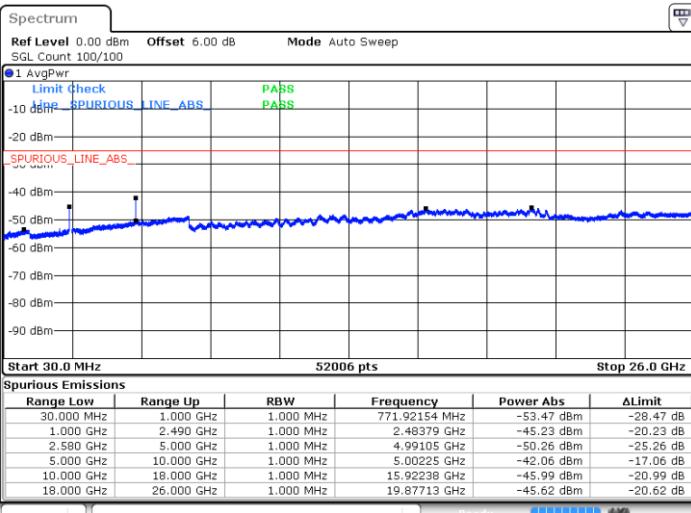
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LTE Band 7 / 20MHz

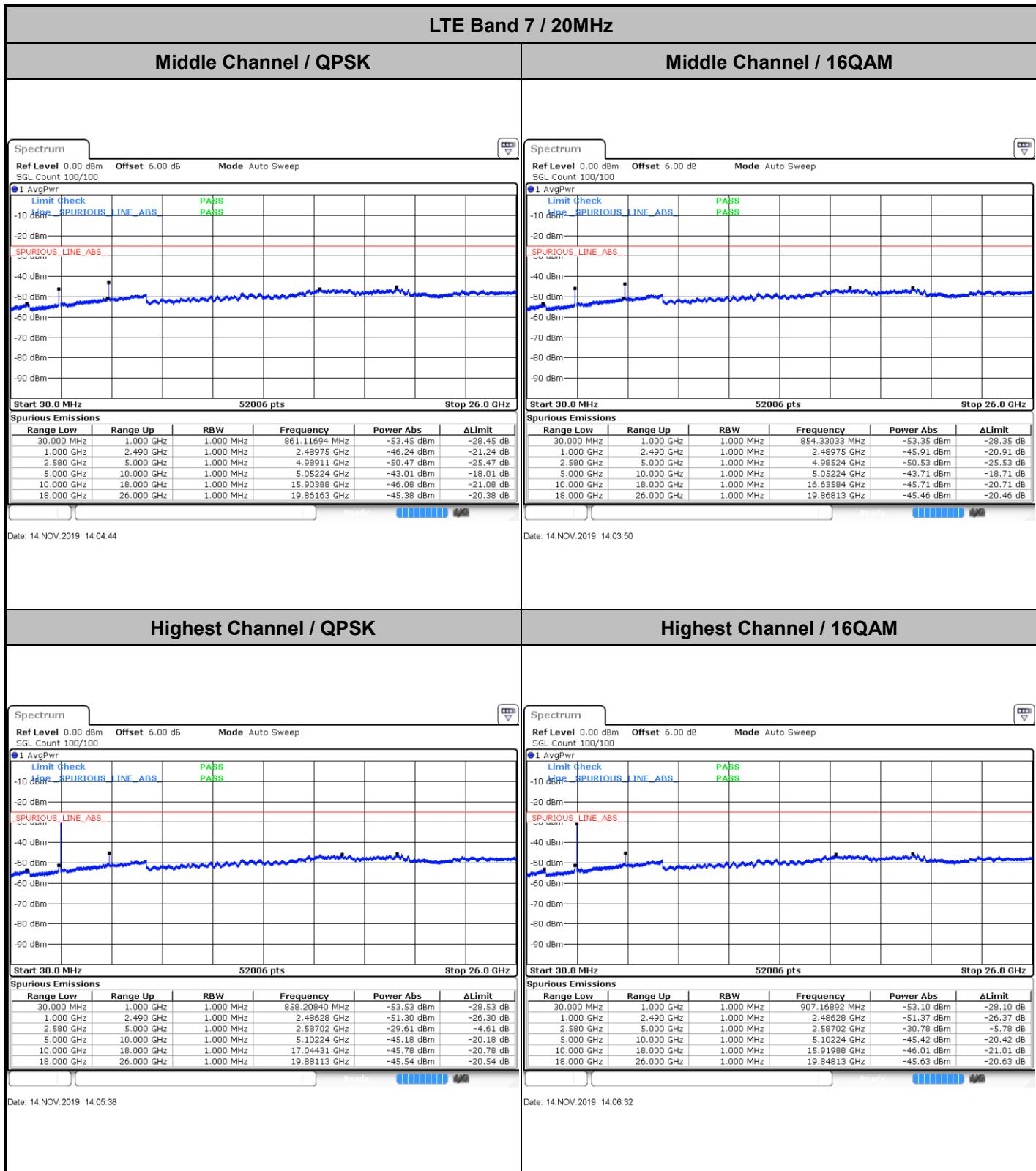
Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 14.NOV.2019 14:02:02

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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	0.0034	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0038	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0030	
20	Battery End Point	0.0033	

Note:

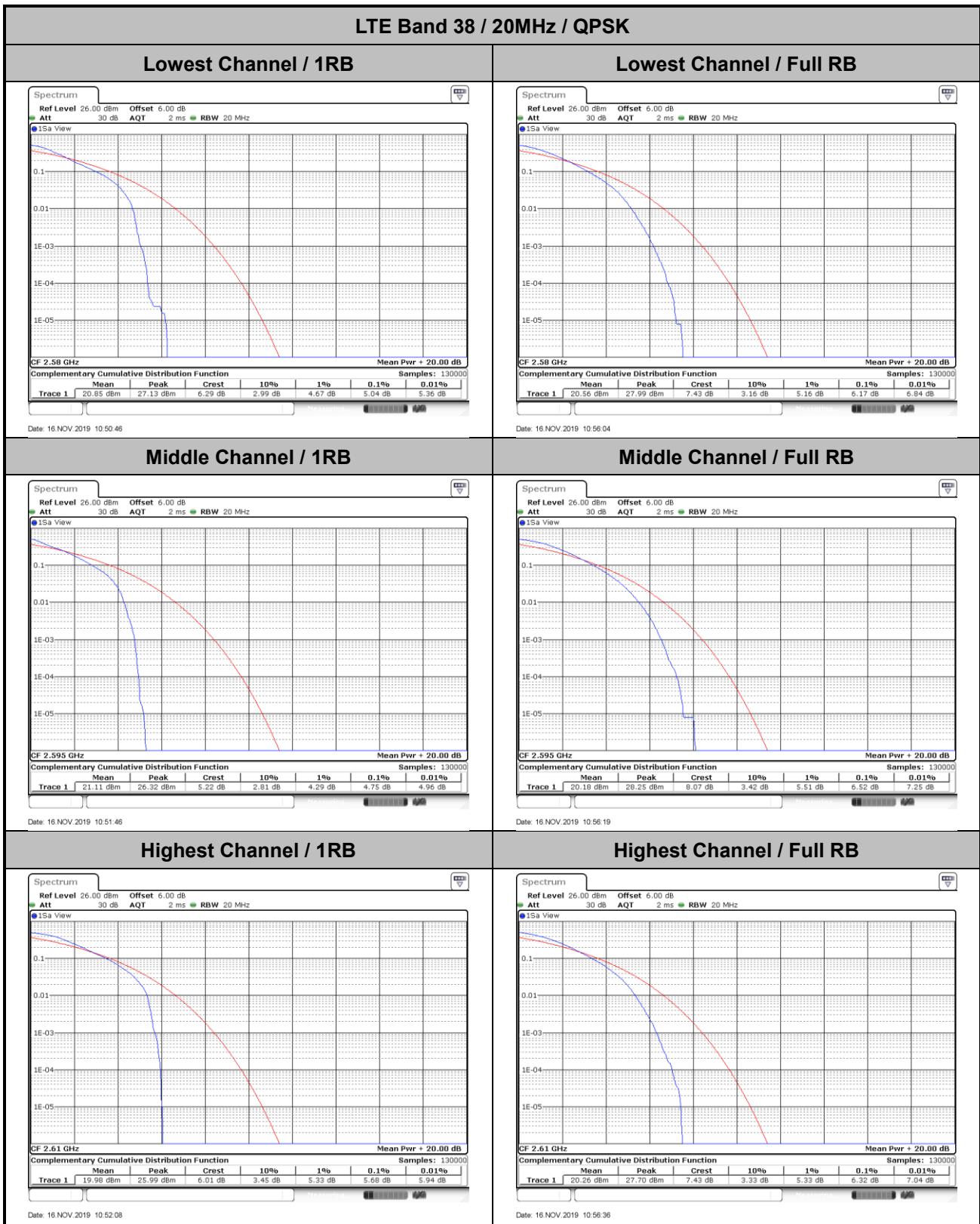
1. Normal Voltage =3.9 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

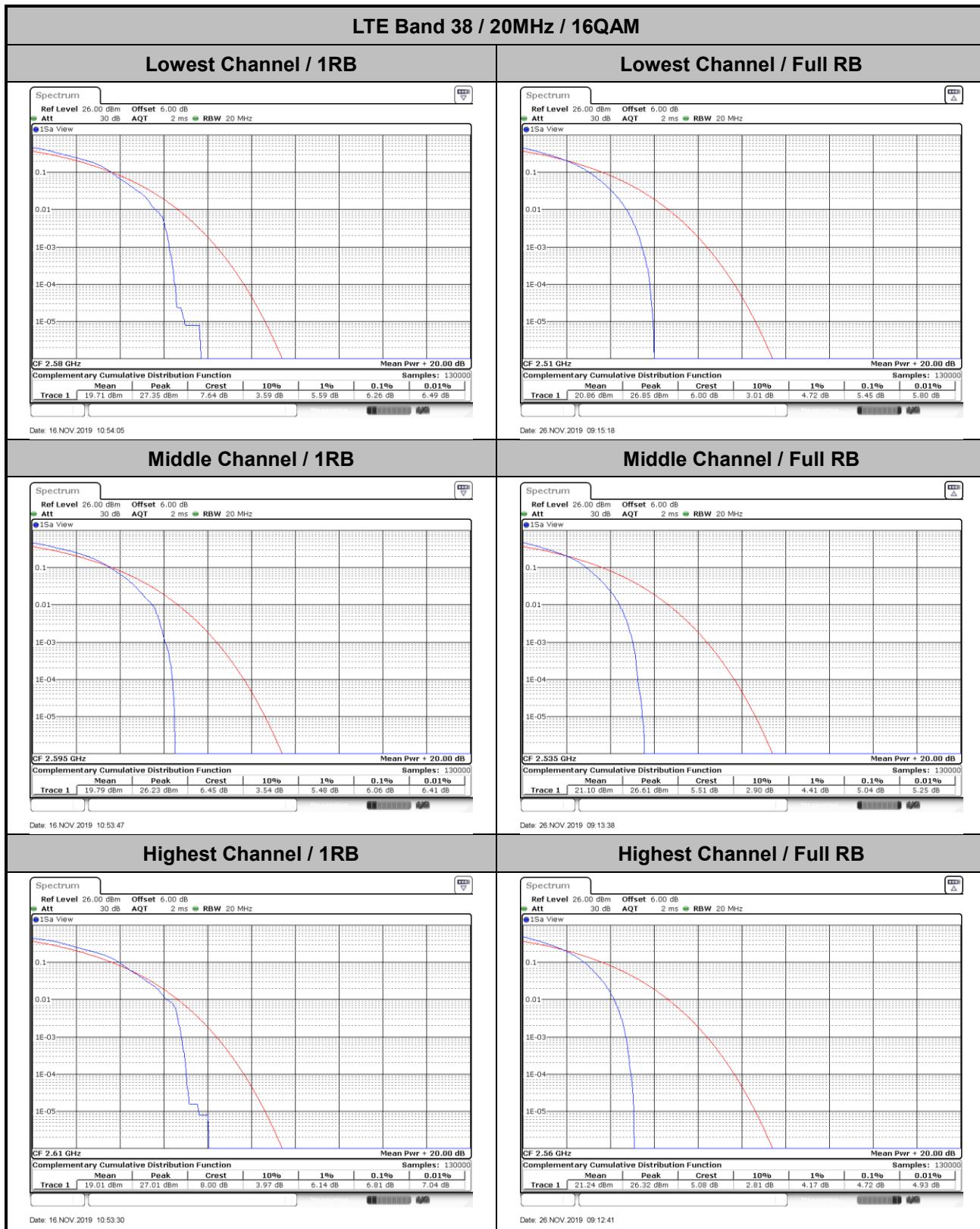


LTE Band 38

Peak-to-Average Ratio

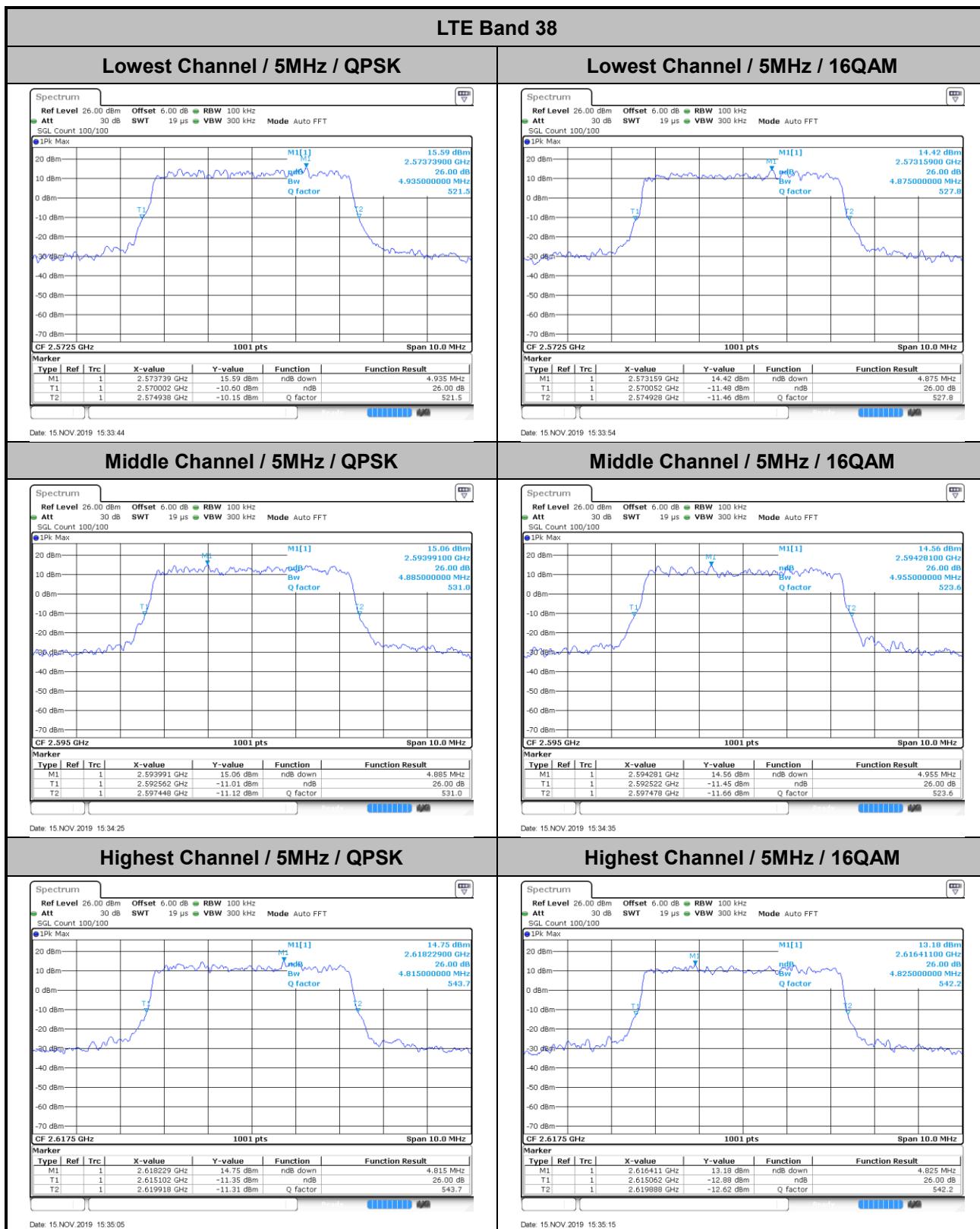
Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.04	6.17	6.26	6.49	PASS
Middle CH	4.75	6.52	6.06	6.41	
Highest CH	5.68	6.32	6.81	6.75	

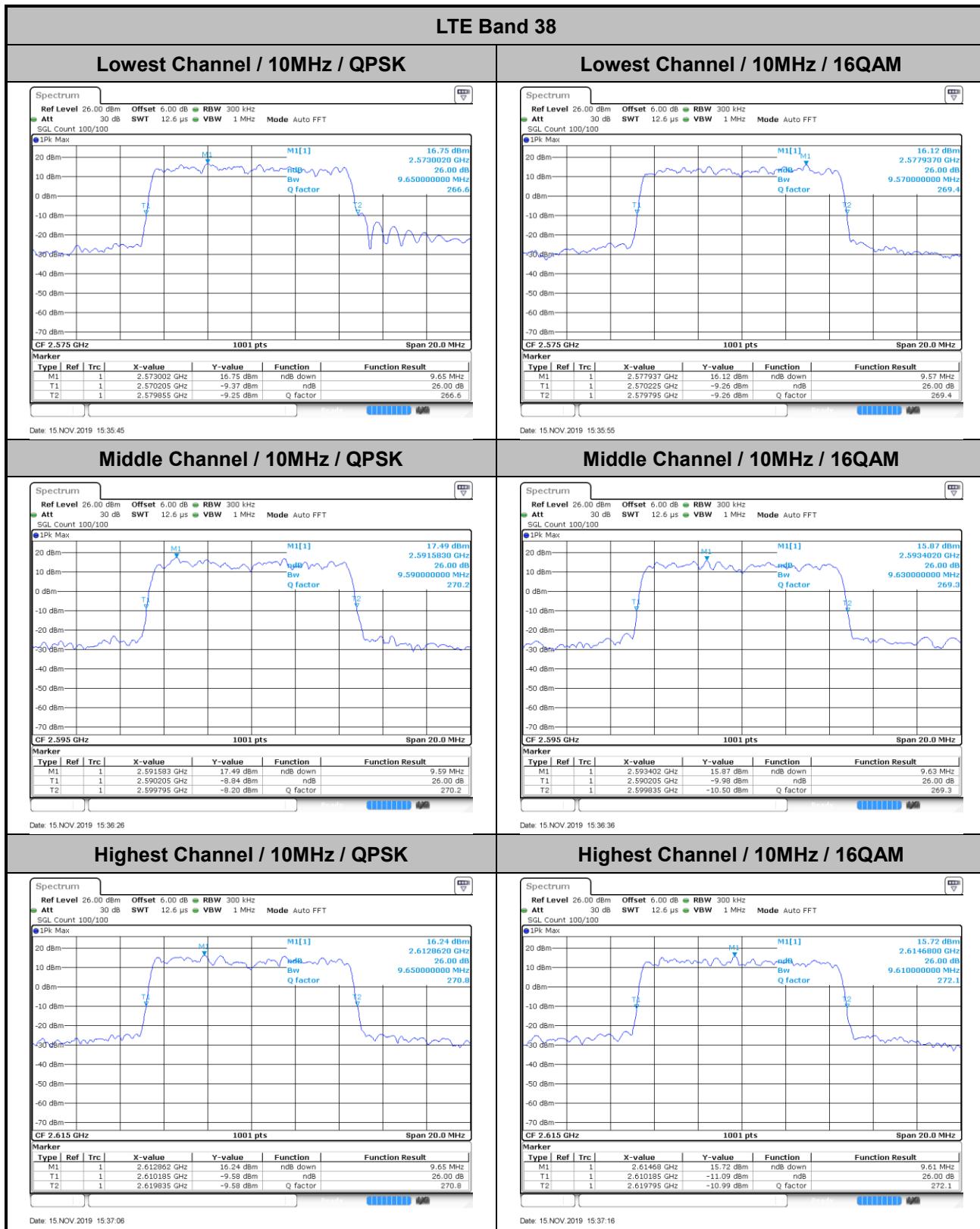


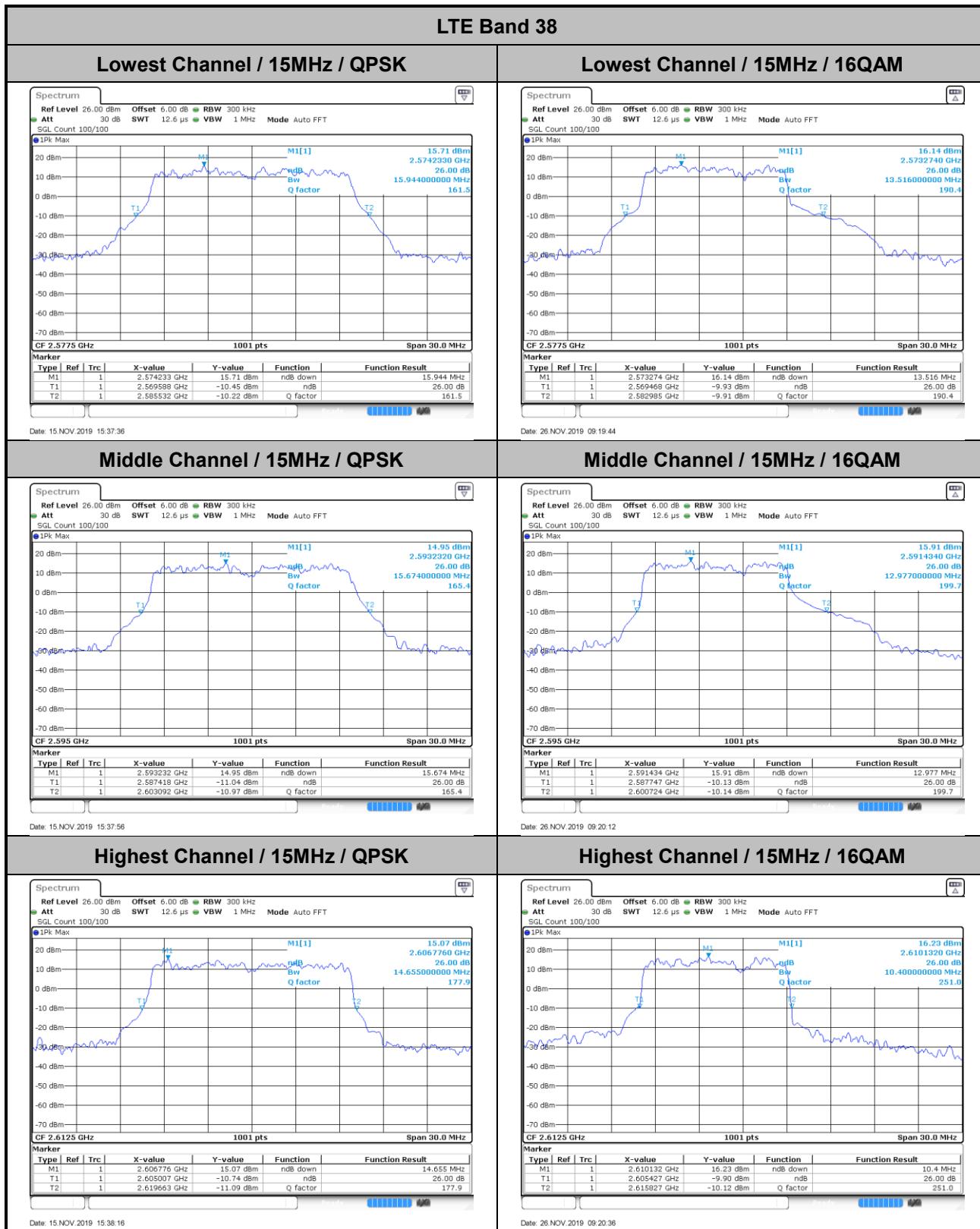


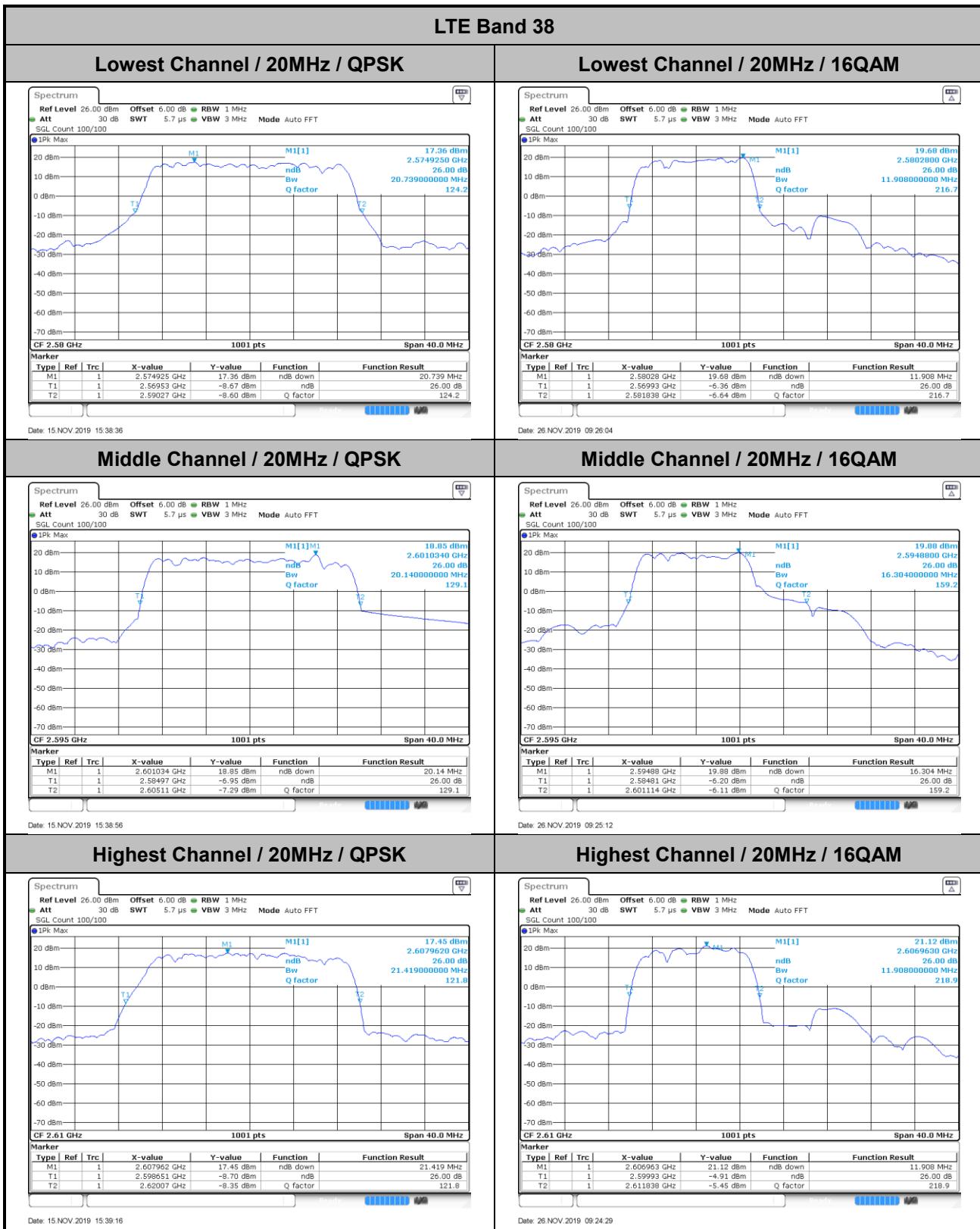
**26dB Bandwidth**

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	-	-	-	-	4.935	4.875	9.65	9.57	15.944	13.516	20.739	11.908
Middle CH	-	-	-	-	4.885	4.955	9.59	9.63	15.674	12.977	20.14	16.304
Highest CH	-	-	-	-	4.815	4.825	9.65	9.61	14.655	10.40	21.419	11.908



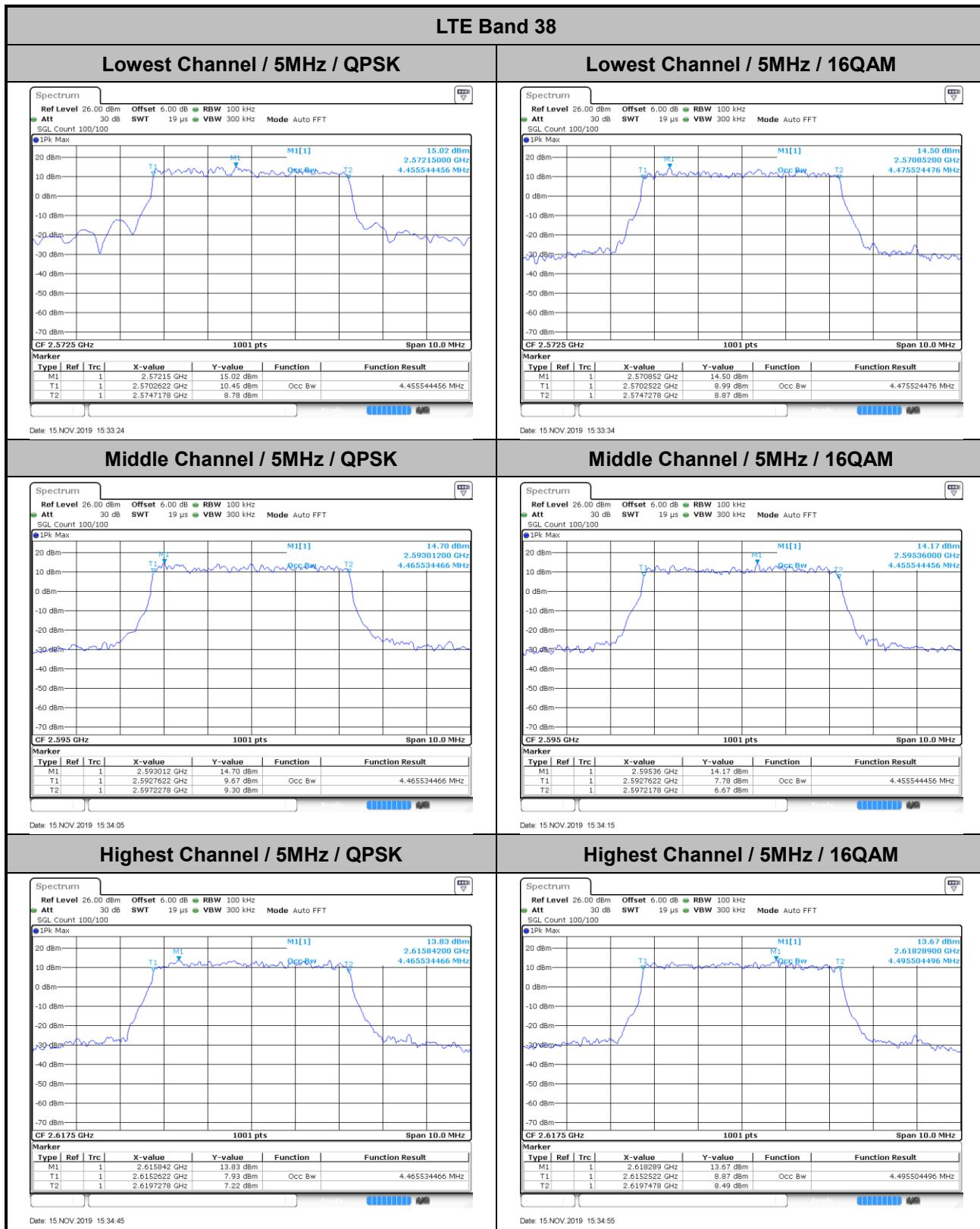


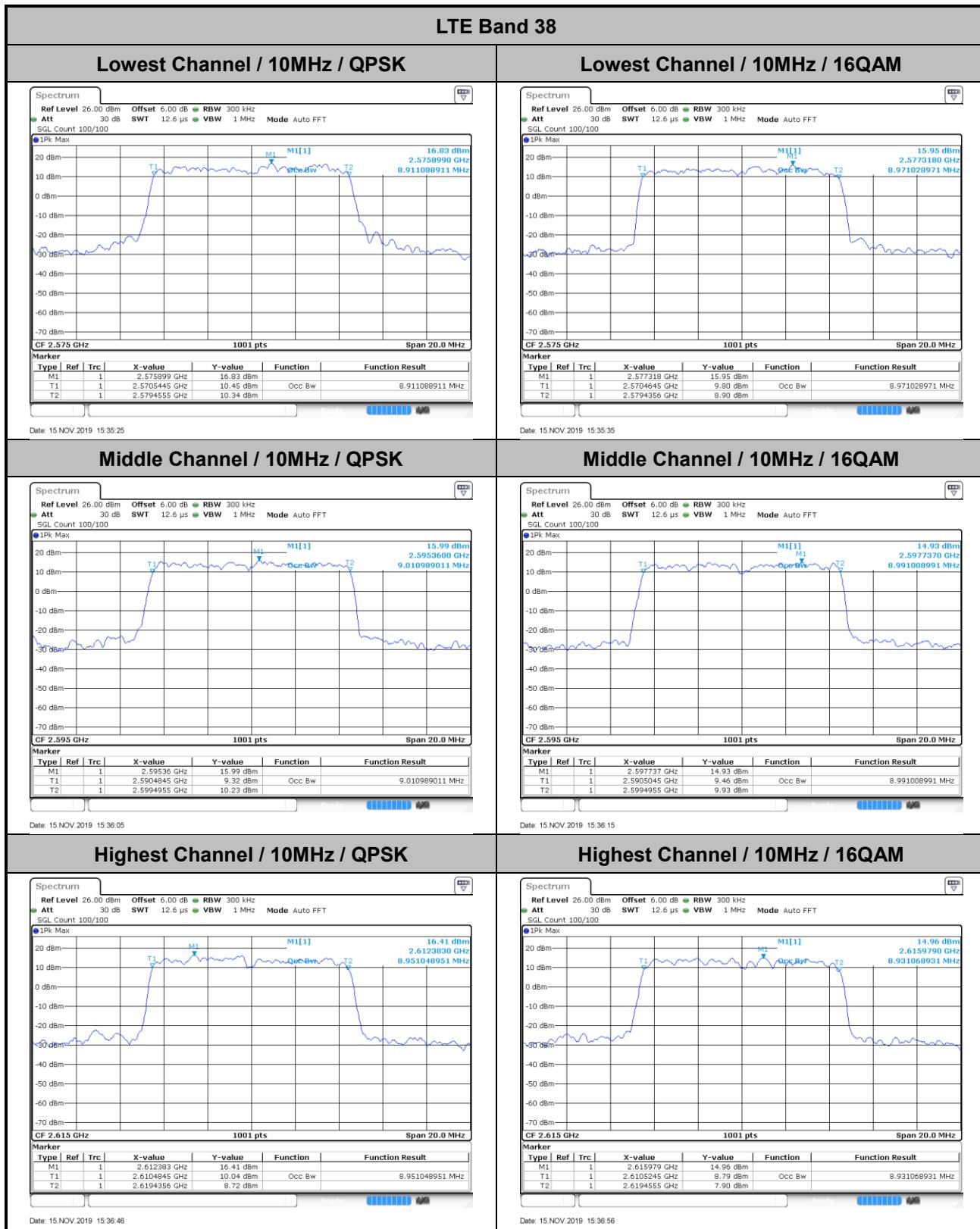


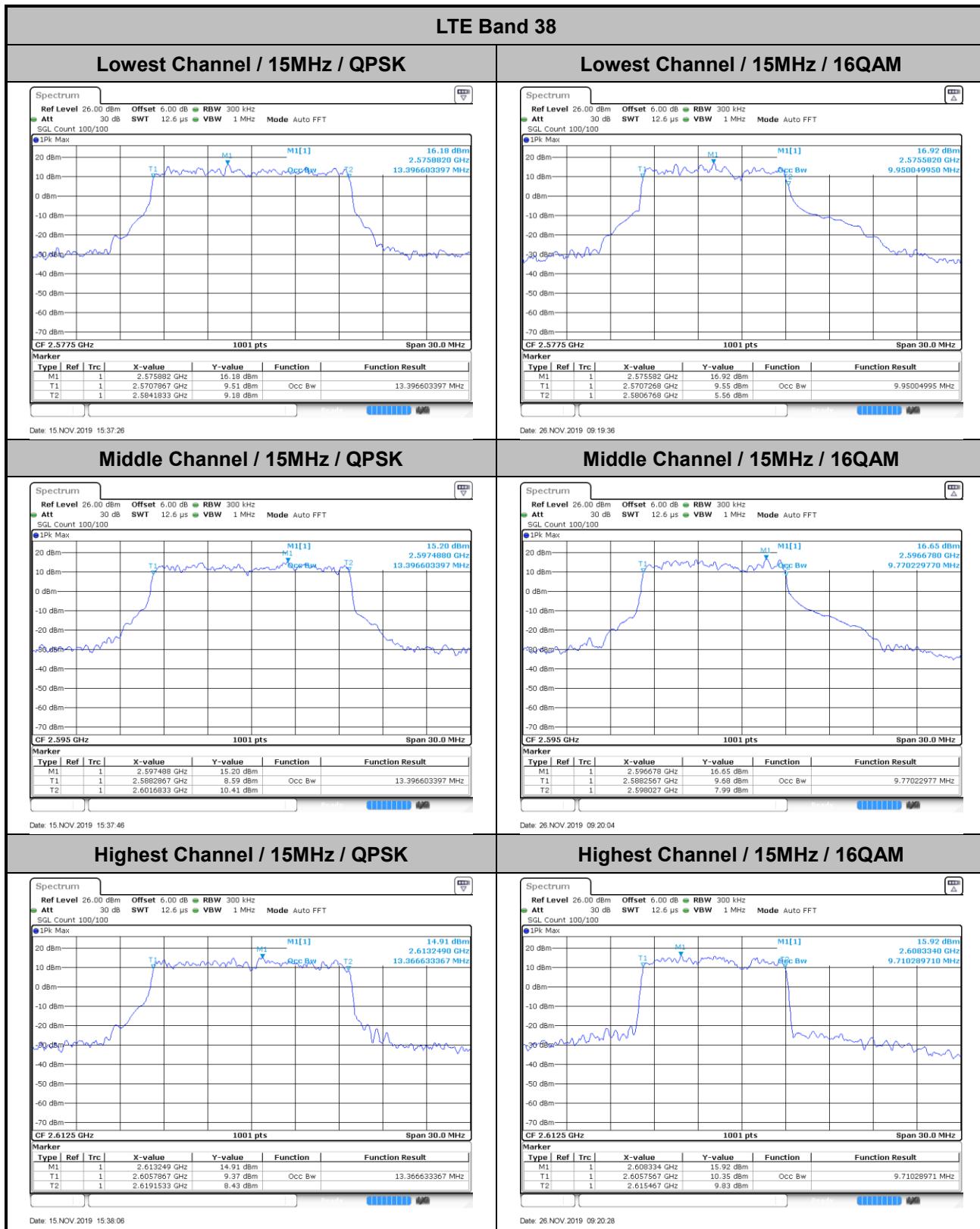


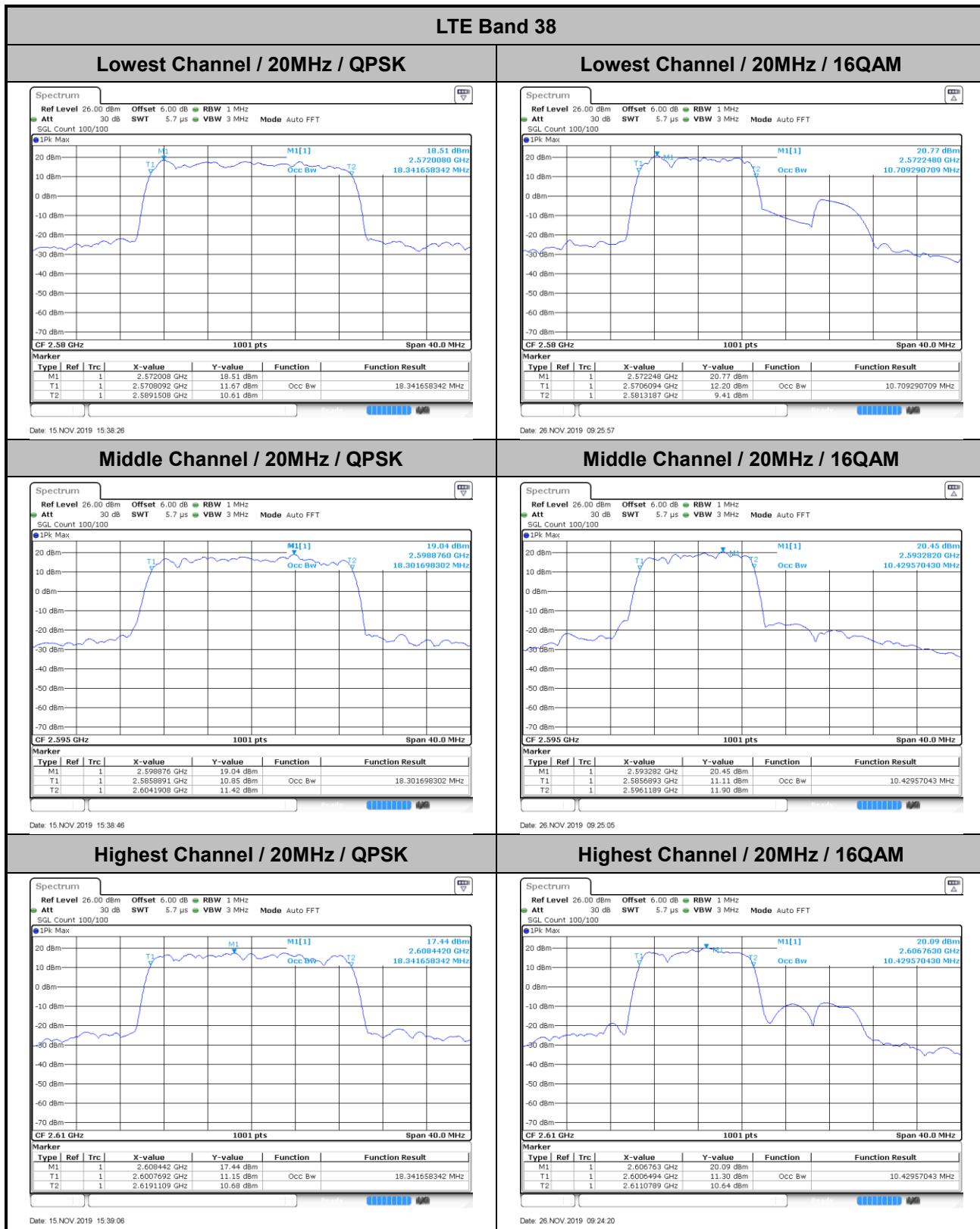
**Occupied Bandwidth**

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	-	-	-	-	4.46	4.48	8.91	8.97	13.40	9.95	18.34	10.71
Middle CH	-	-	-	-	4.47	4.46	9.01	8.99	13.40	9.77	18.30	10.43
Highest CH	-	-	-	-	4.47	4.50	8.95	8.93	13.37	9.71	18.34	10.43











Conducted Band Edge

