



Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0092	PASS
40	Normal Voltage	0.0094	
30	Normal Voltage	0.0087	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0115	
0	Normal Voltage	0.0122	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0120	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0115	

Note:

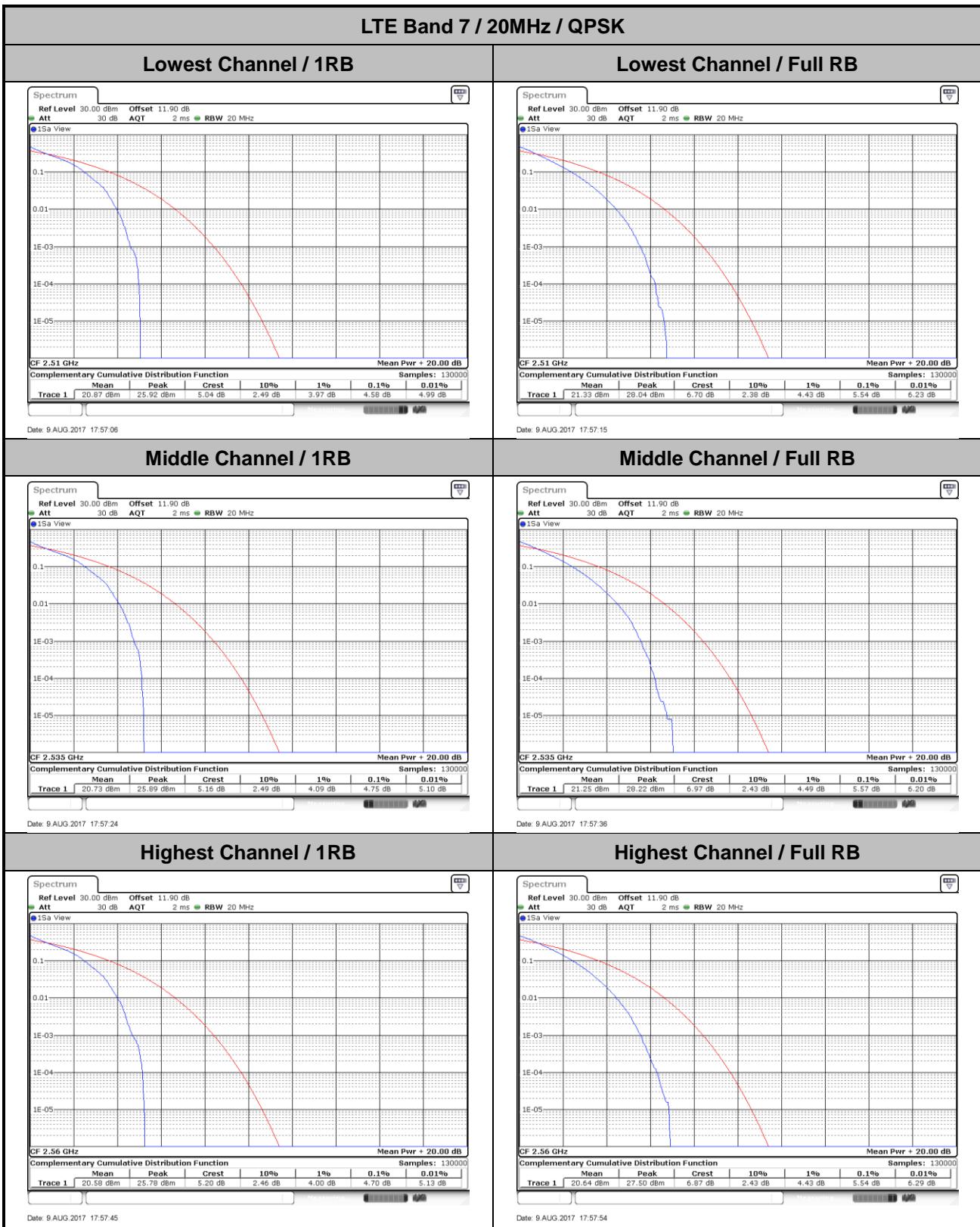
1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

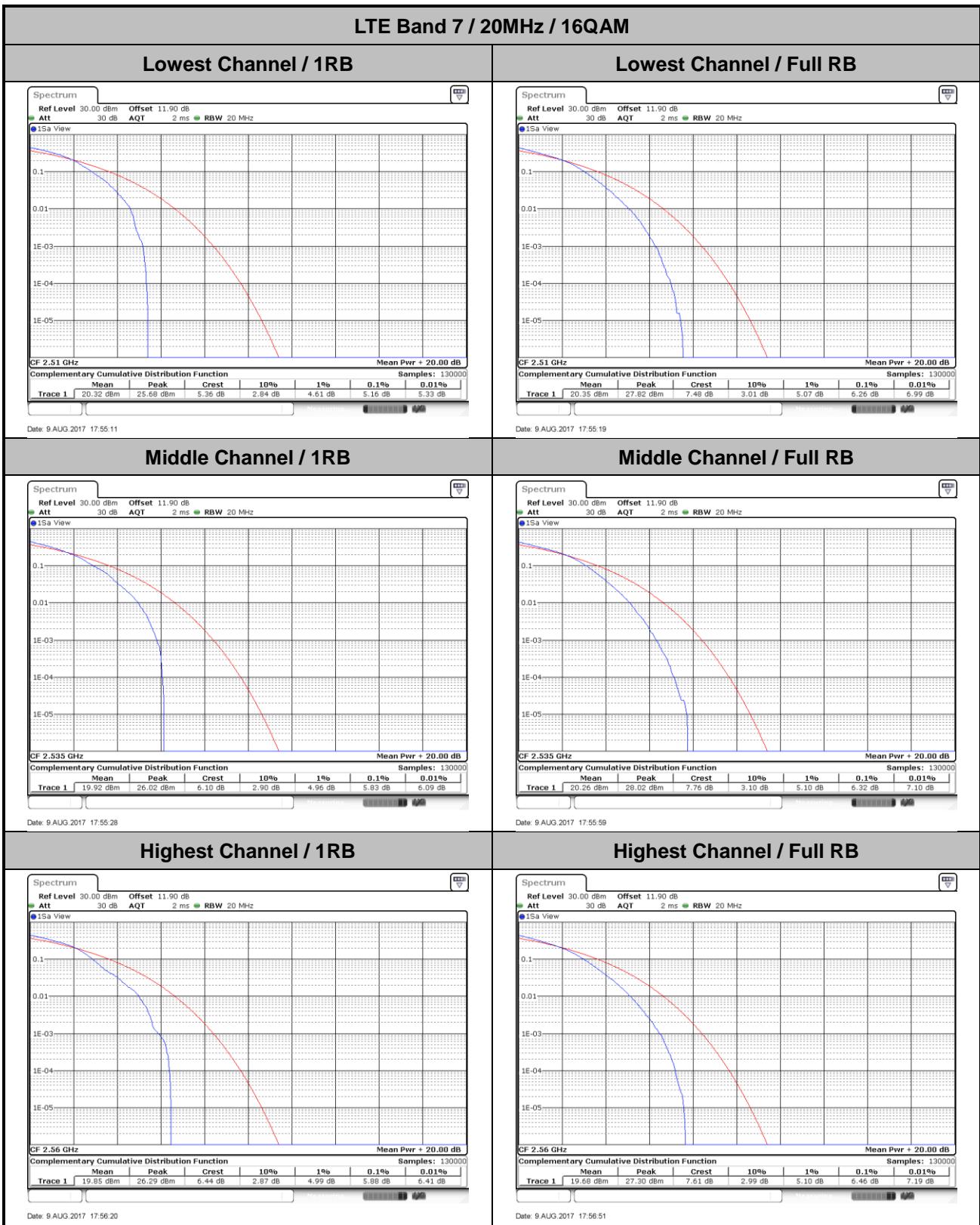


LTE Band 7

Peak-to-Average Ratio

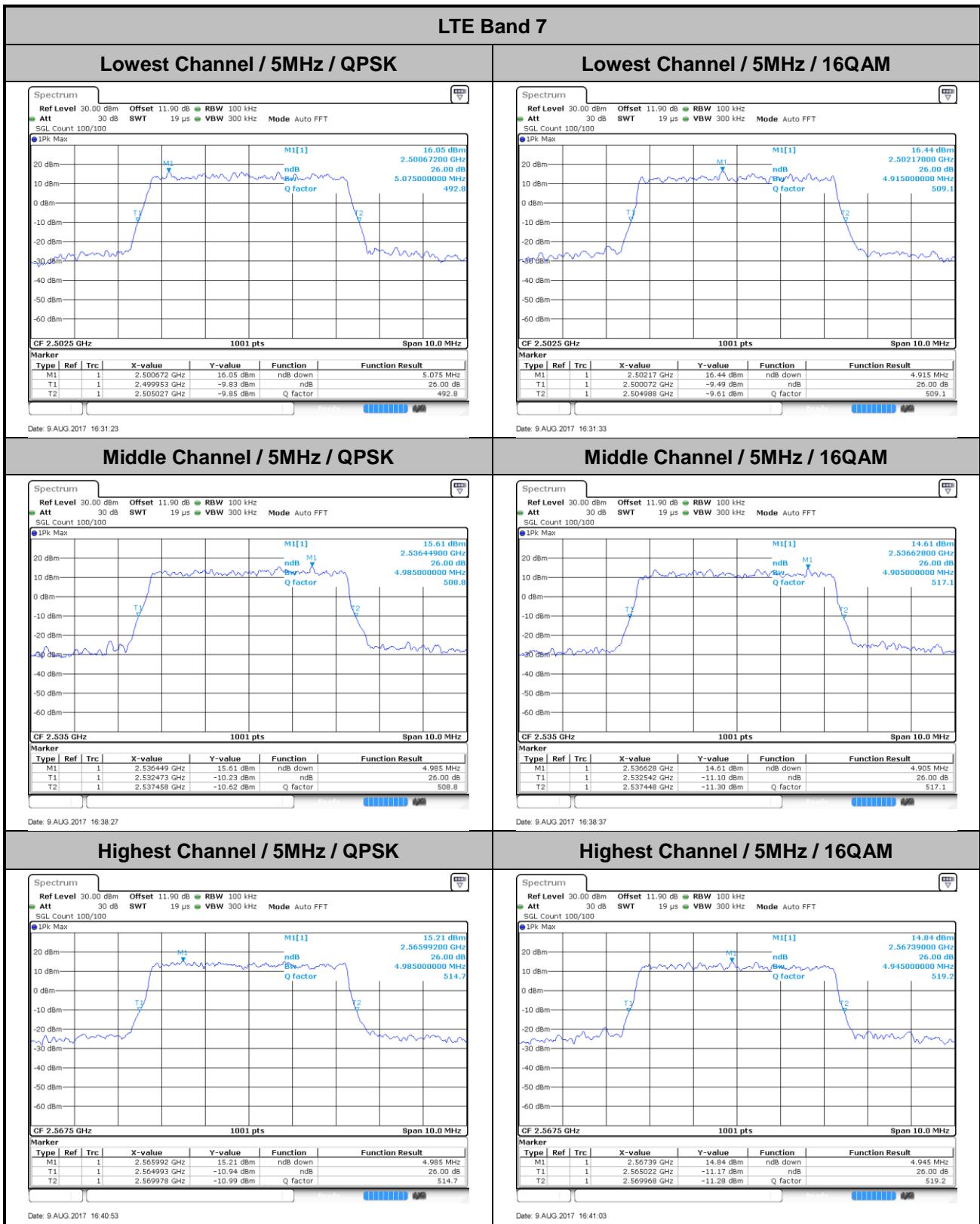
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.58	5.54	5.16	6.26	PASS
Middle CH	4.75	5.57	5.83	6.32	
Highest CH	4.7	5.54	5.88	6.46	

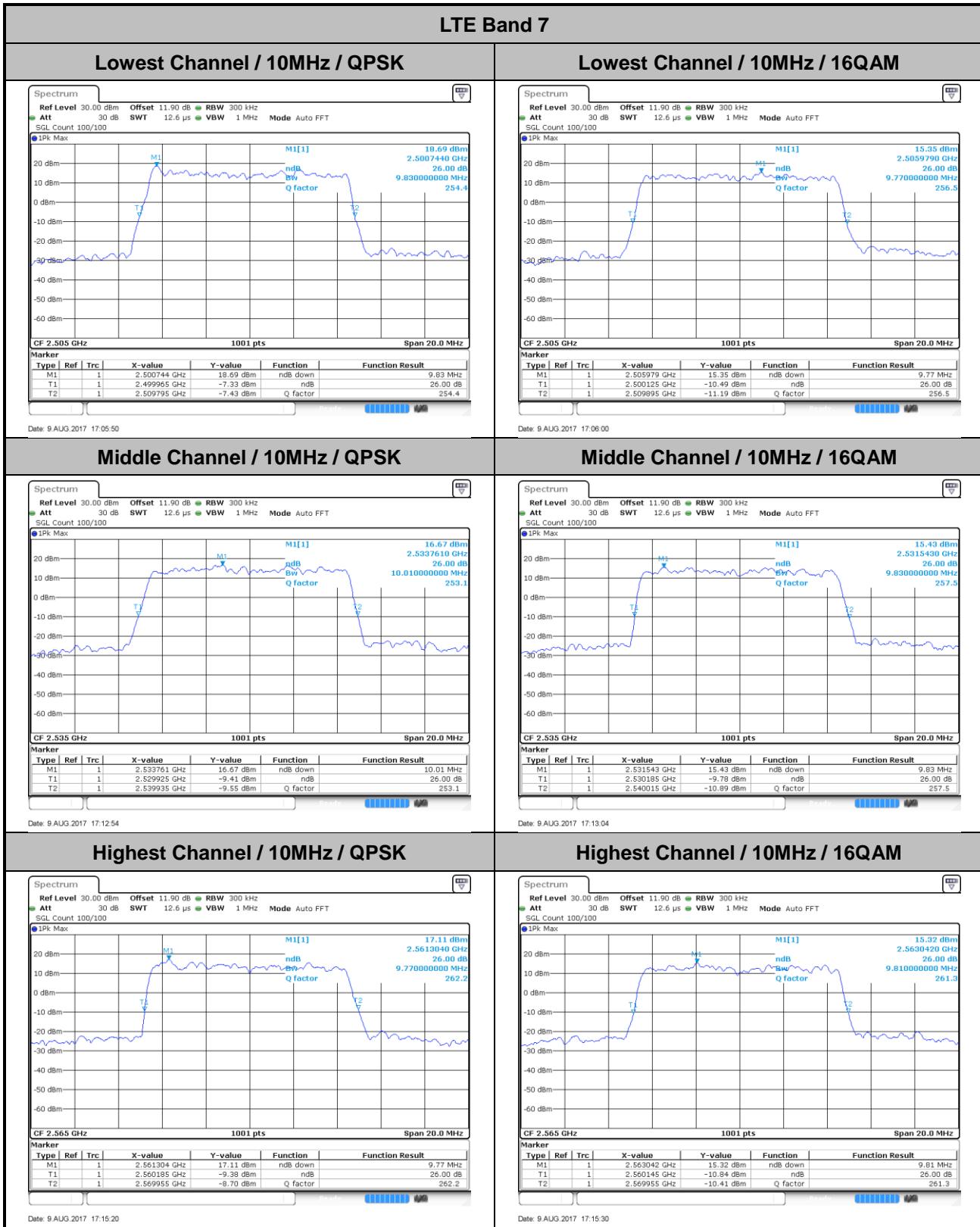


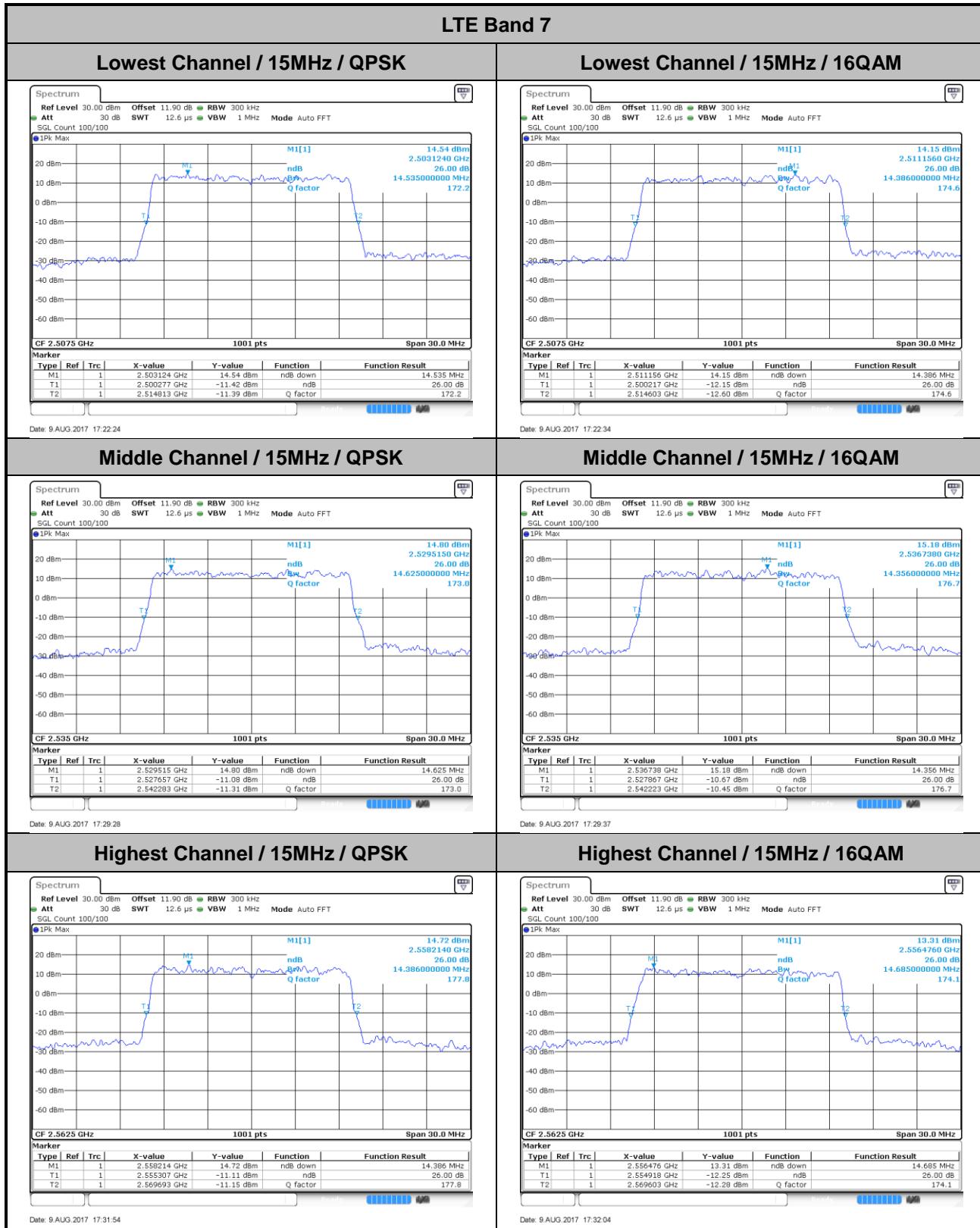


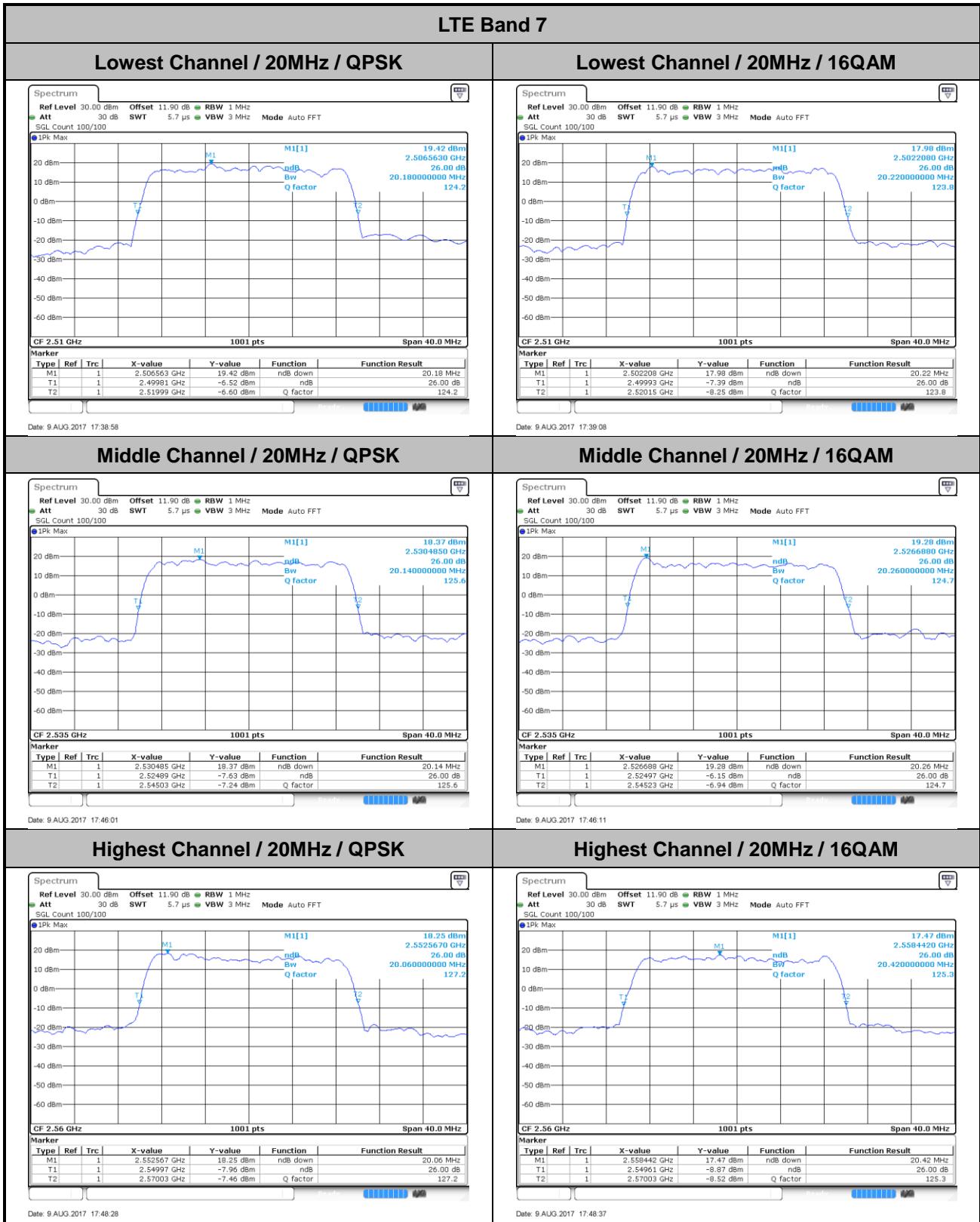
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	5.08	4.92	9.83	9.77	14.54	14.39	20.18	20.22
Middle CH	-	-	-	-	4.99	4.91	10.01	9.83	14.63	14.36	20.14	20.26
Highest CH	-	-	-	-	4.99	4.95	9.77	9.81	14.39	14.69	20.06	20.42



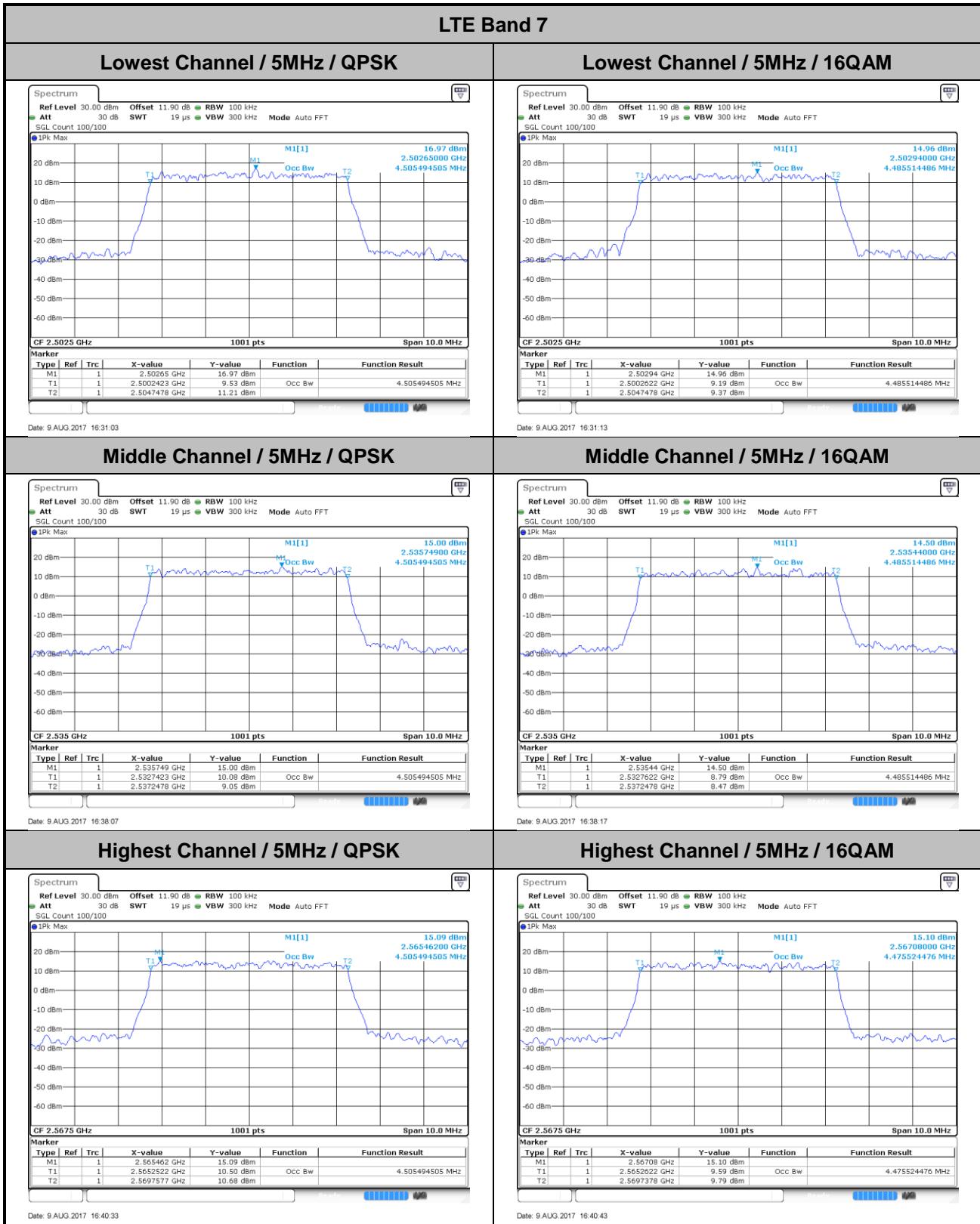


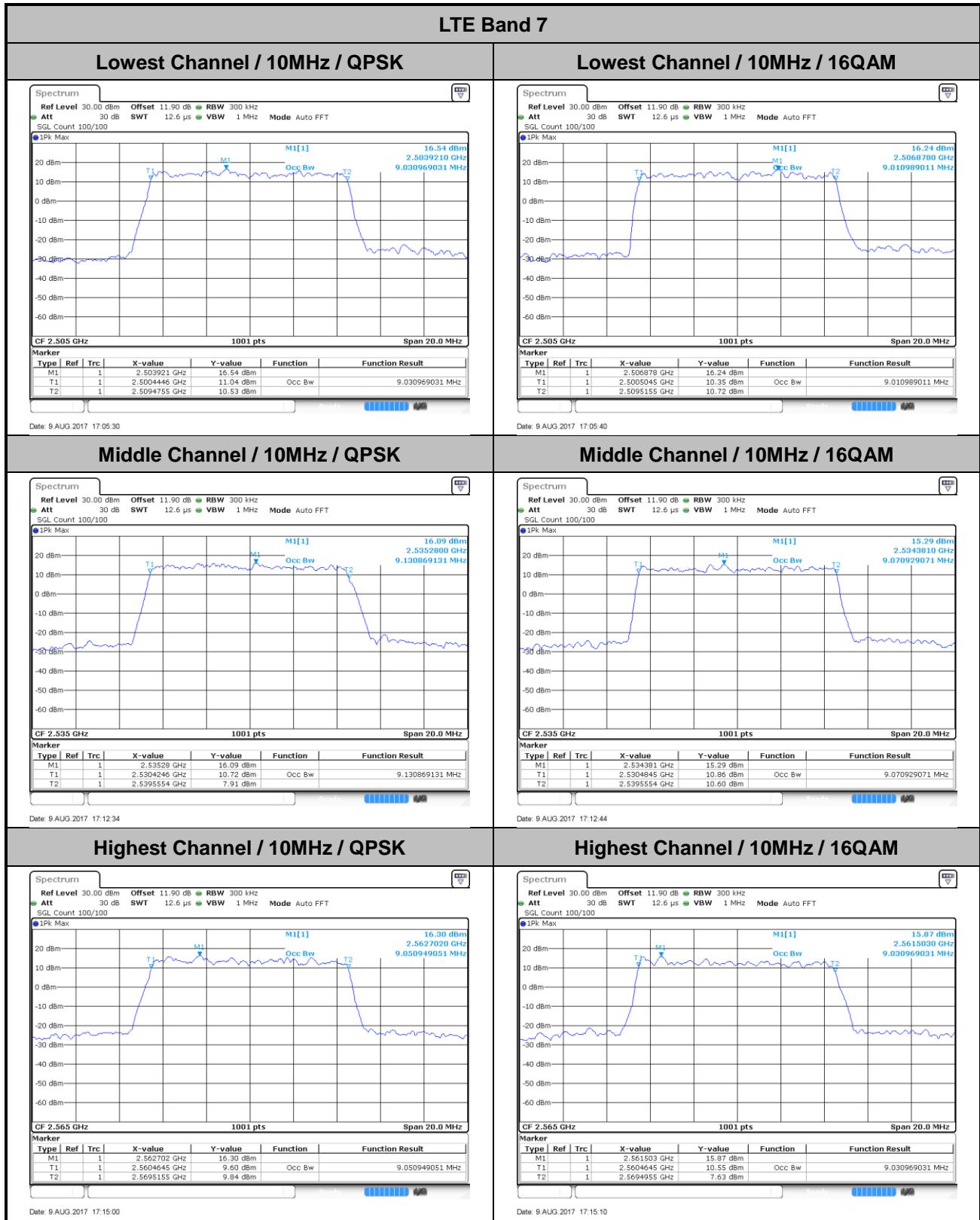


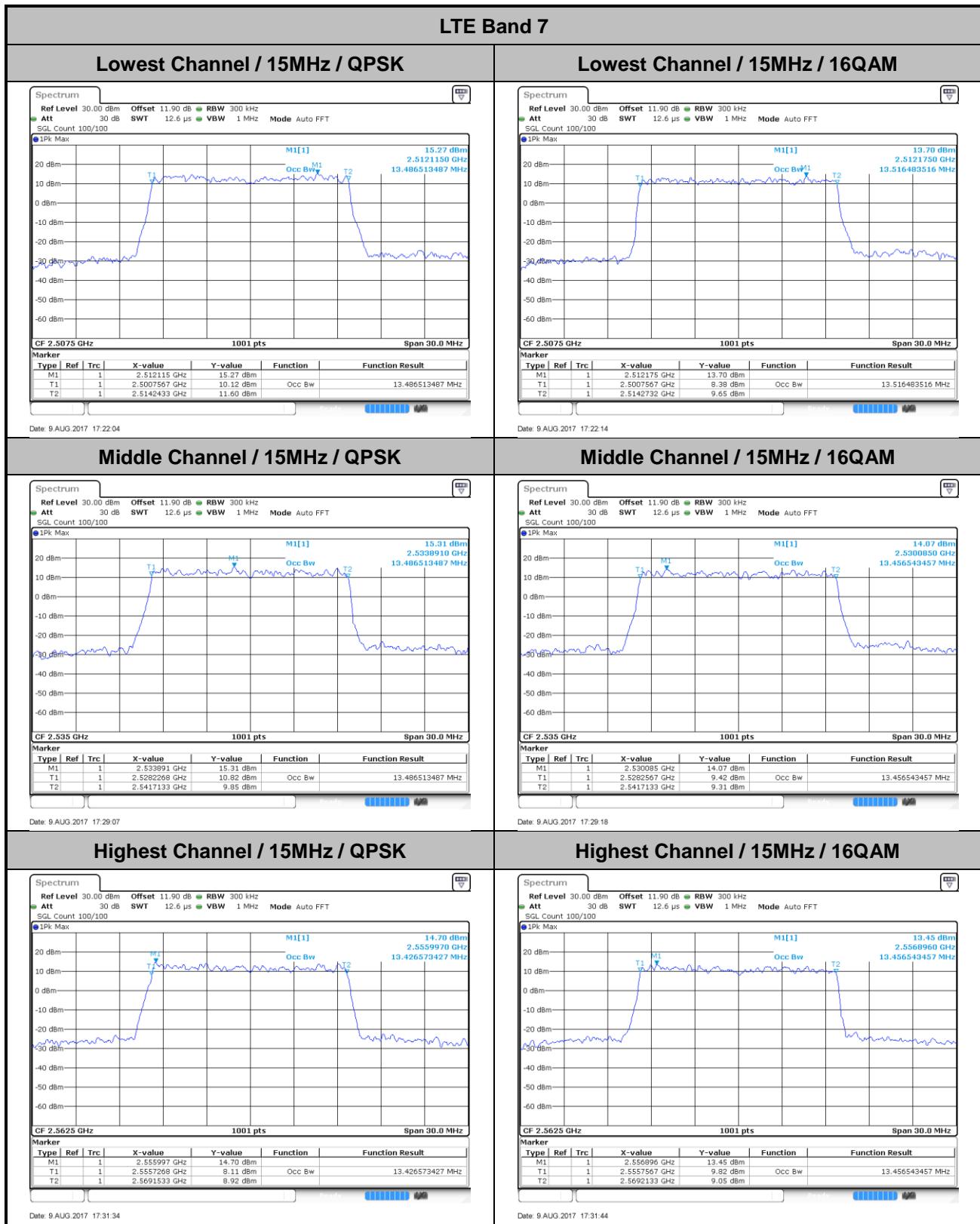


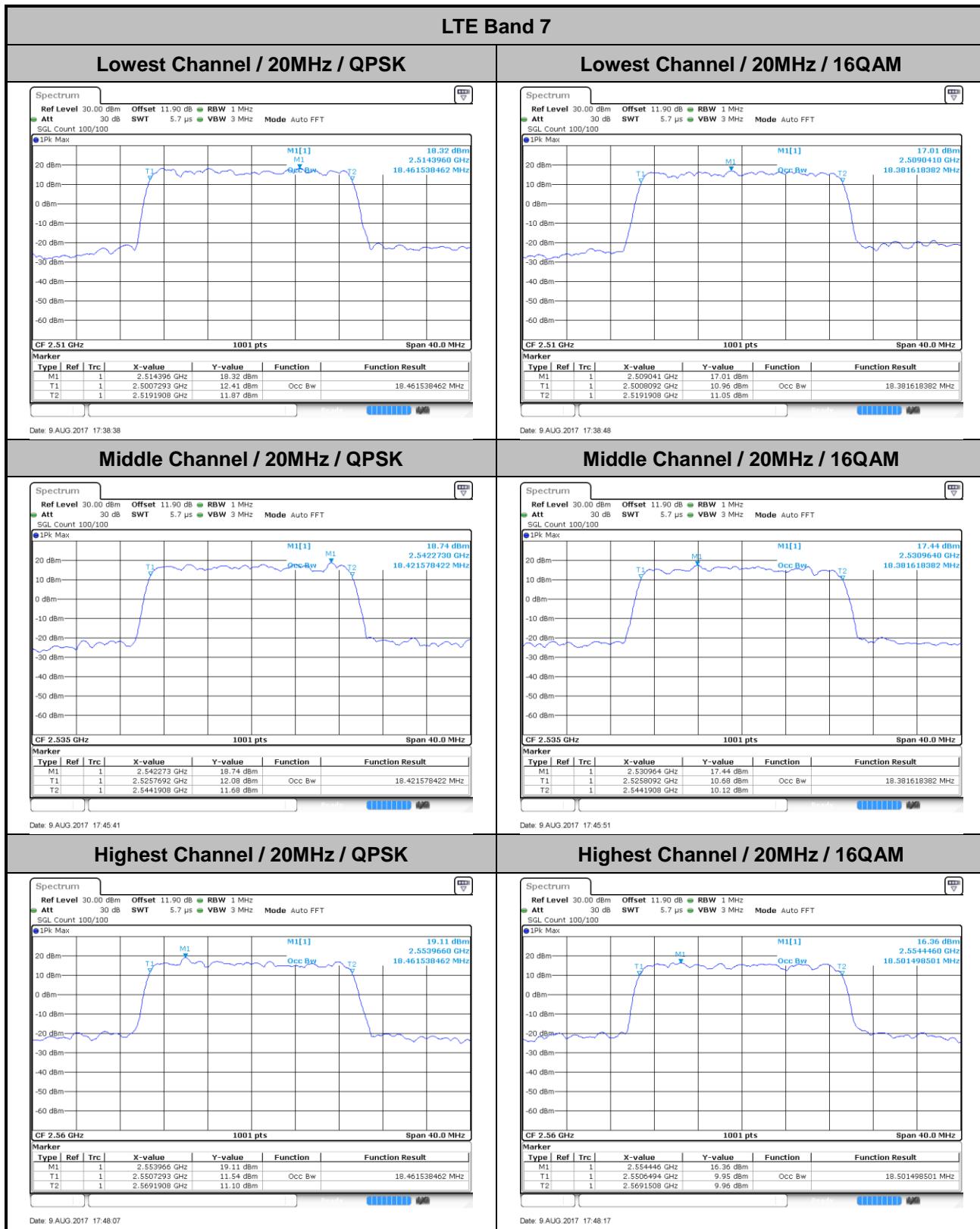
**Occupied Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.51	4.49	9.03	9.01	13.49	13.52	18.46	18.38
Middle CH	-	-	-	-	4.51	4.49	9.13	9.07	13.49	13.46	18.42	18.38
Highest CH	-	-	-	-	4.51	4.48	9.05	9.03	13.43	13.46	18.46	18.5



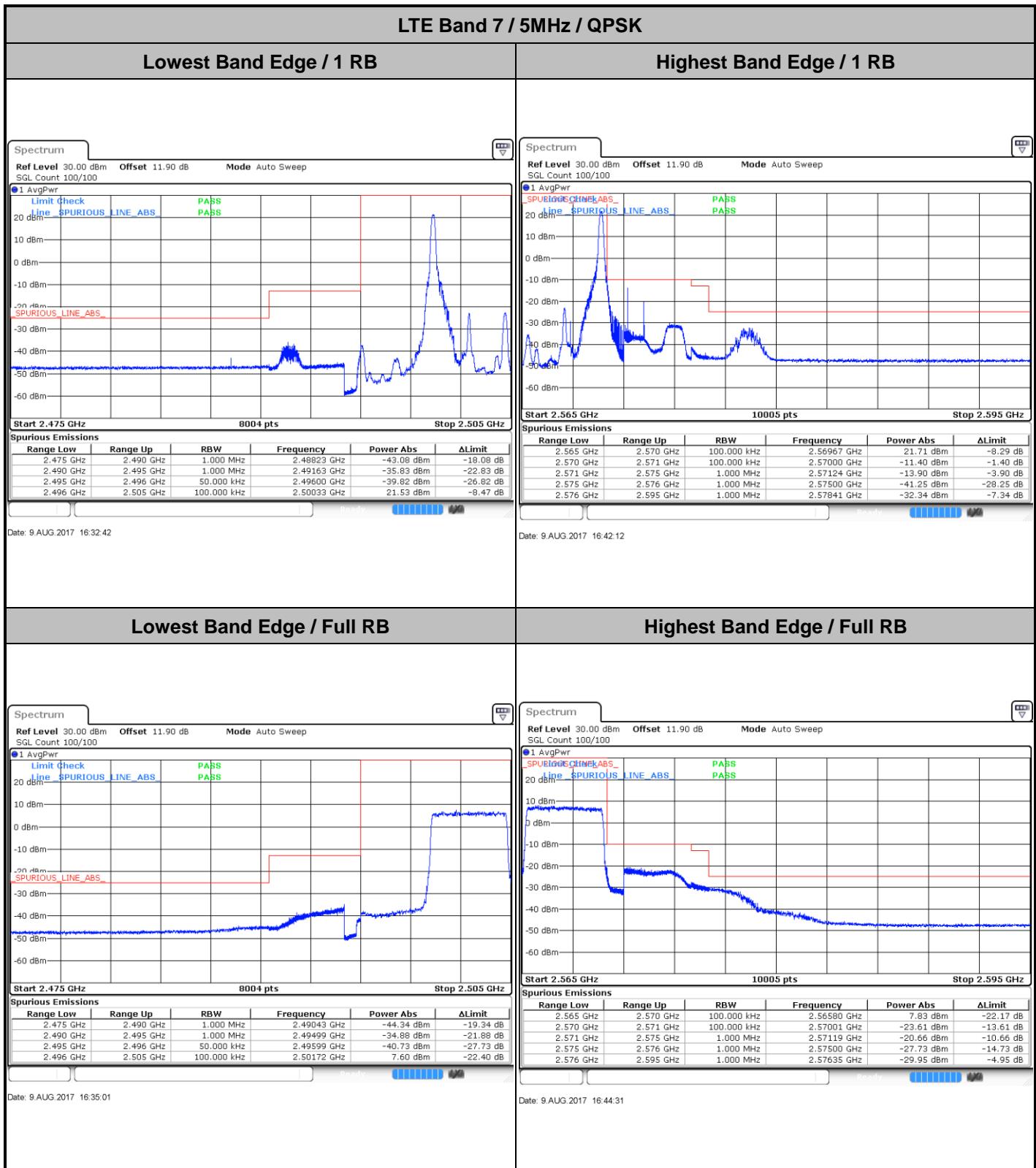


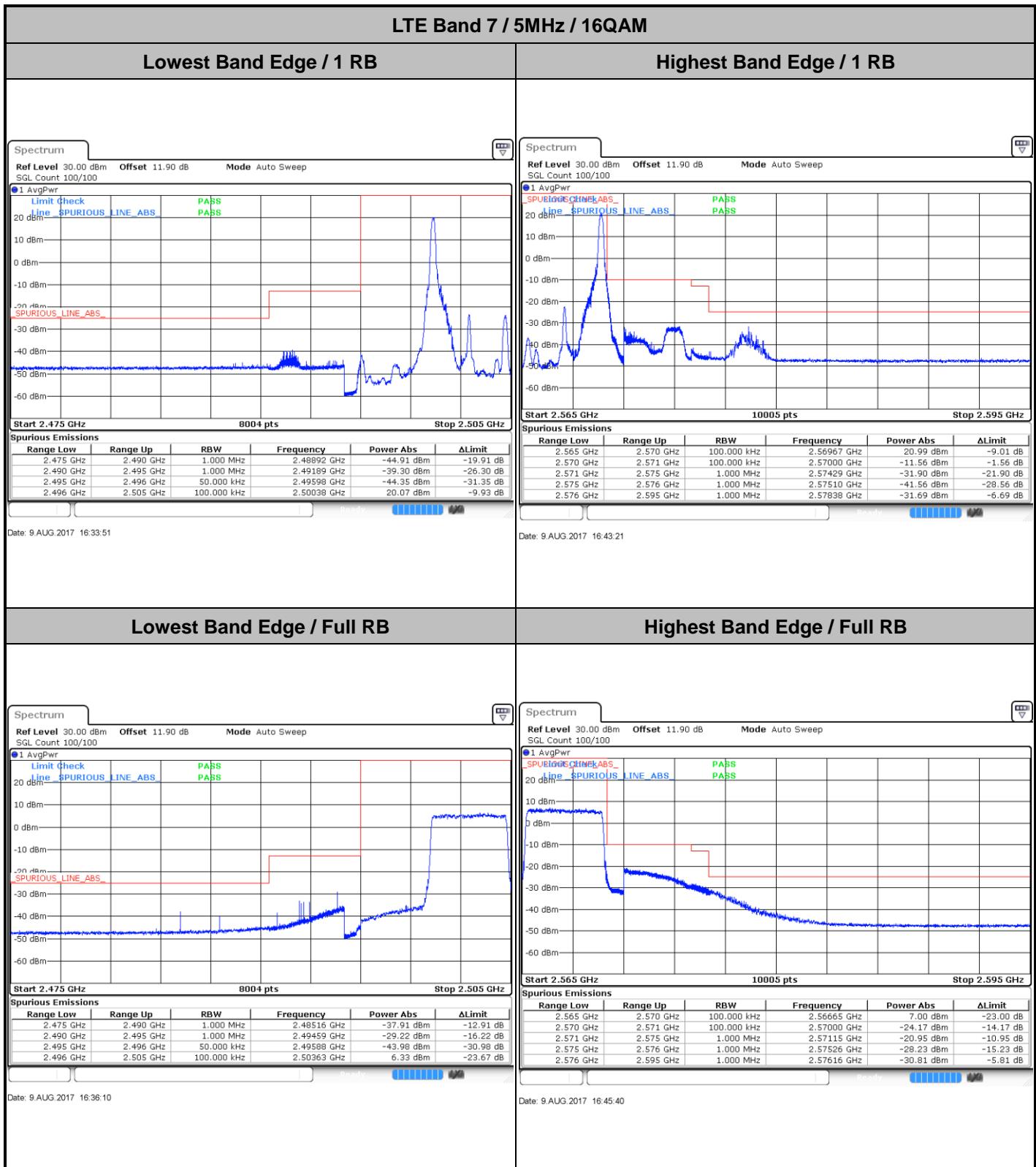


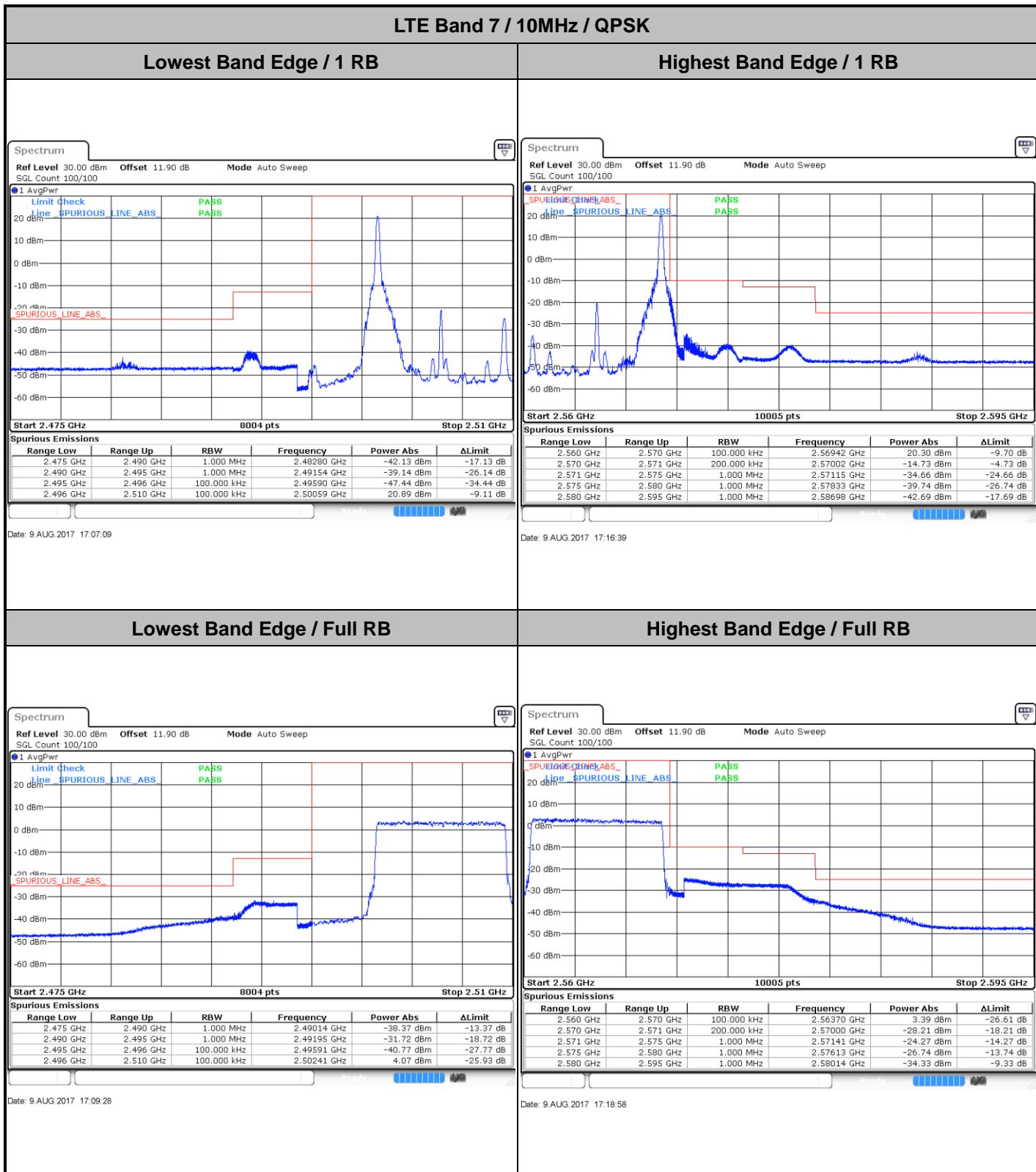


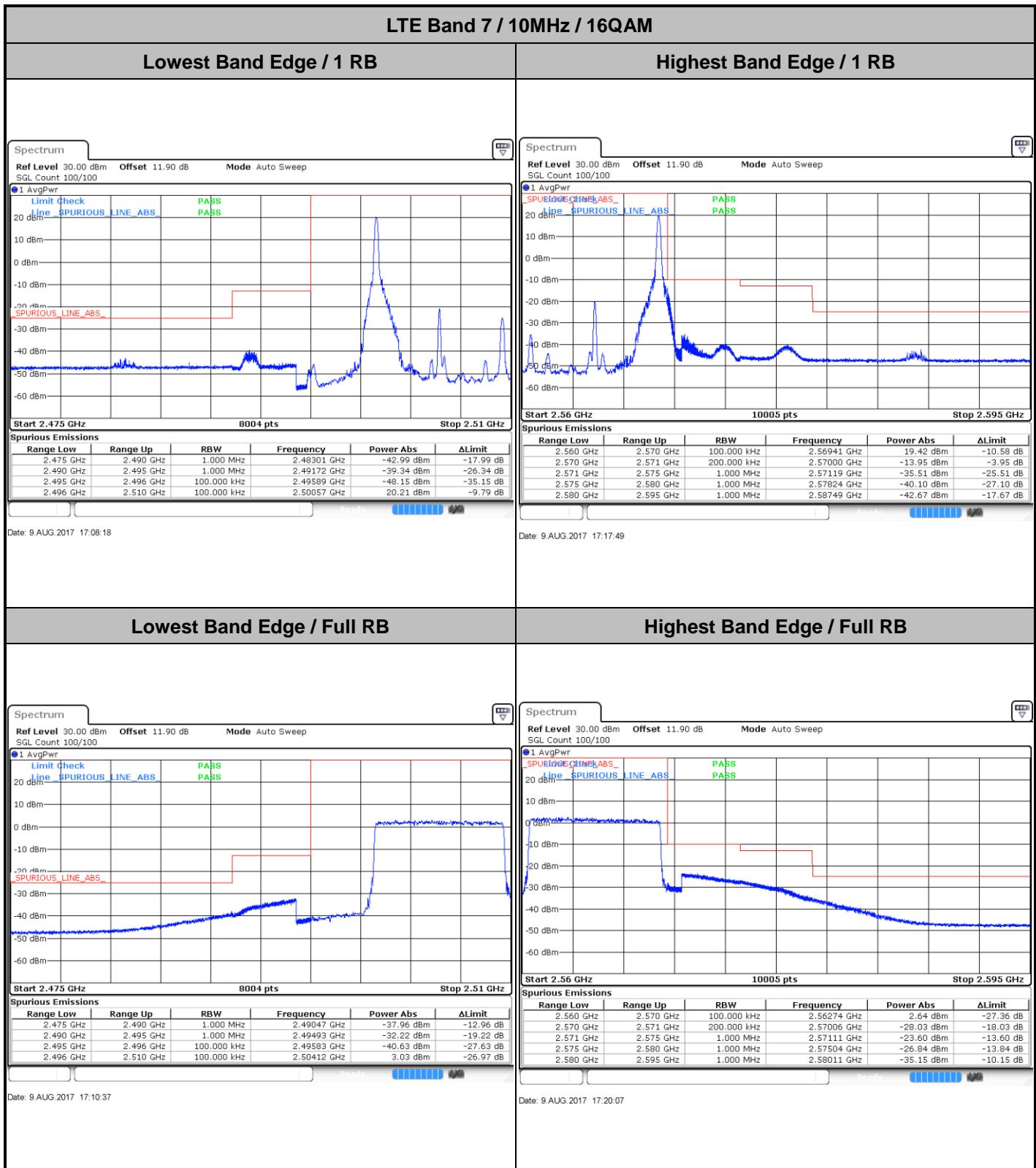


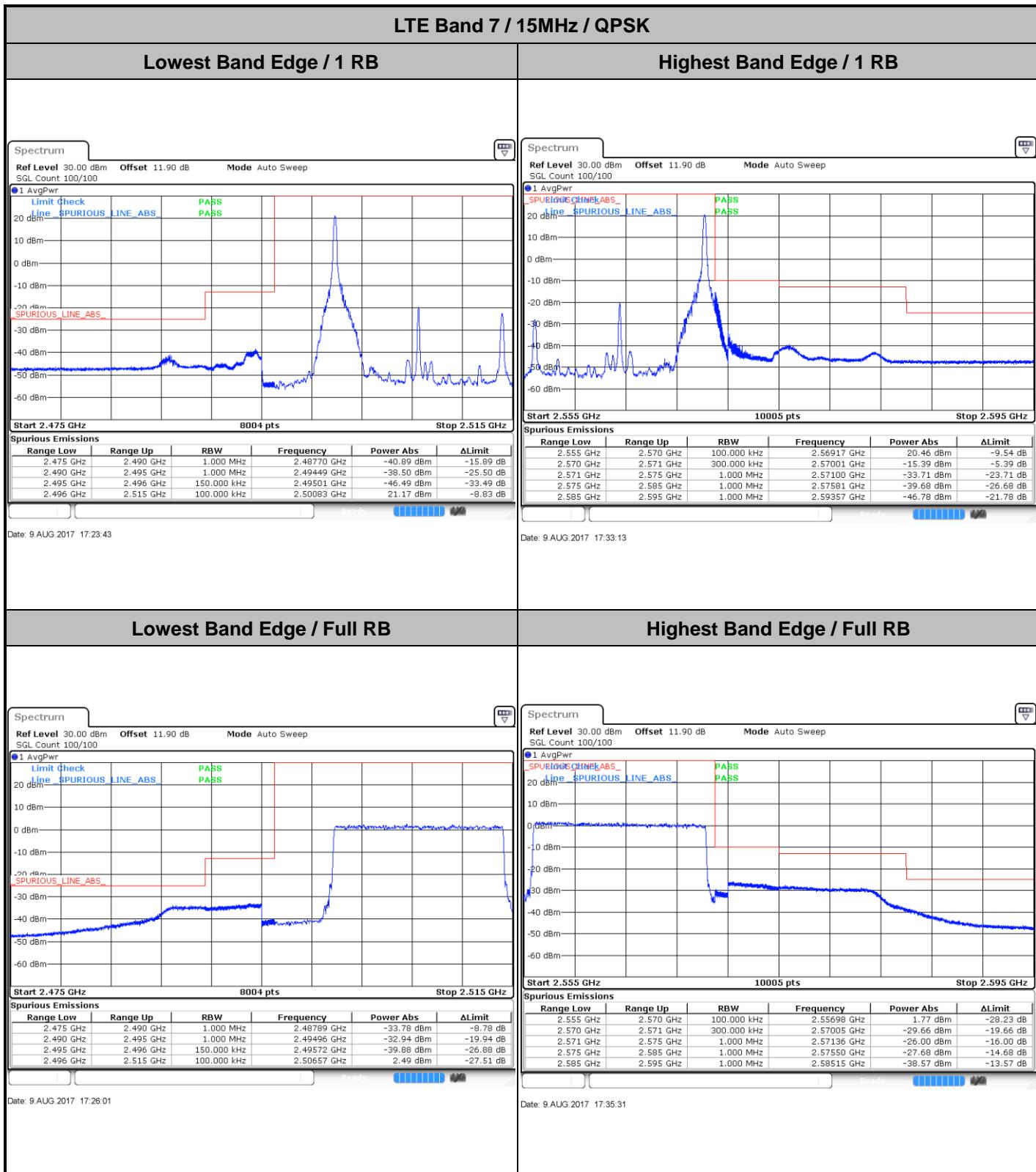
Conducted Band Edge

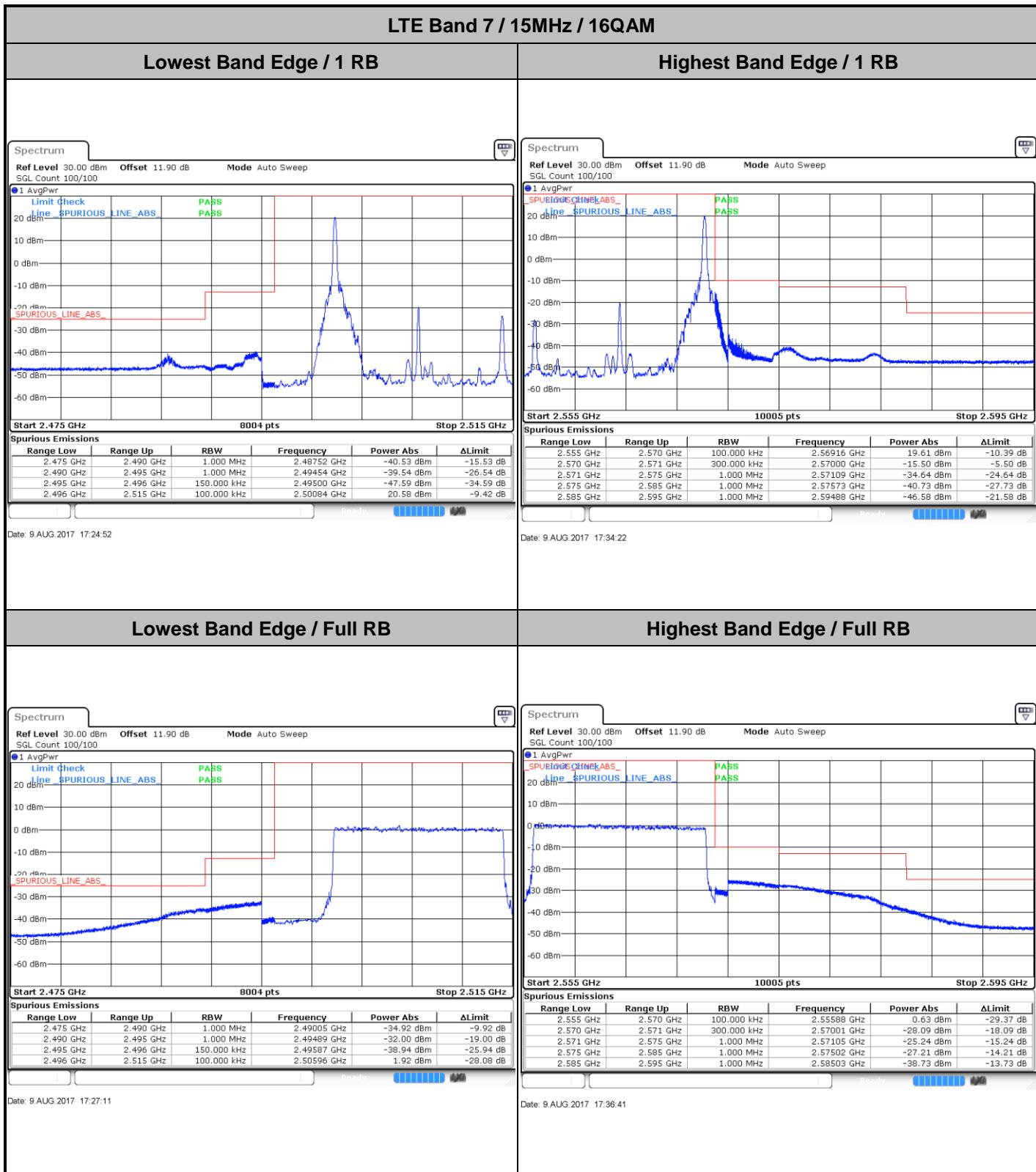


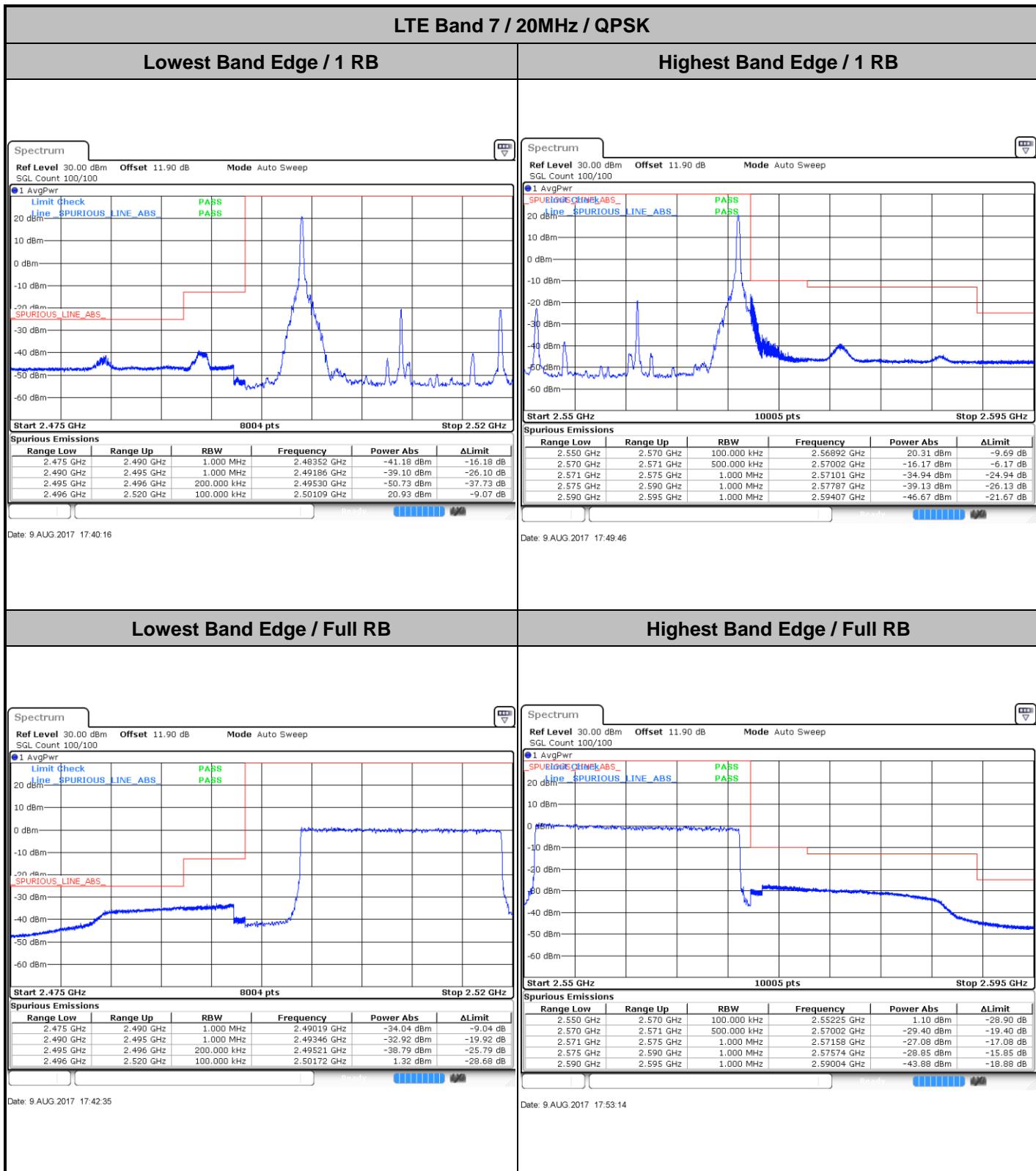


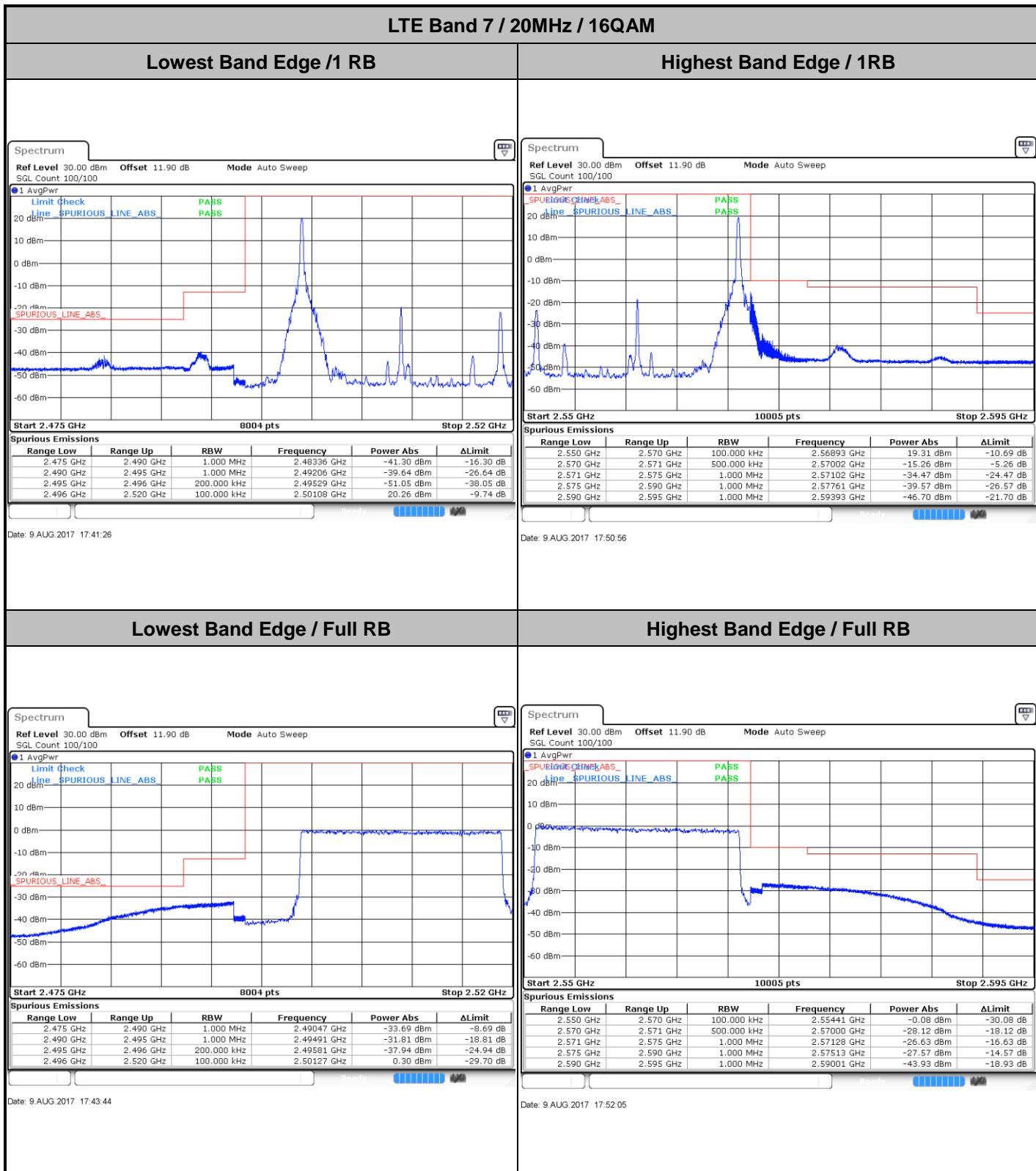














Conducted Spurious Emission

