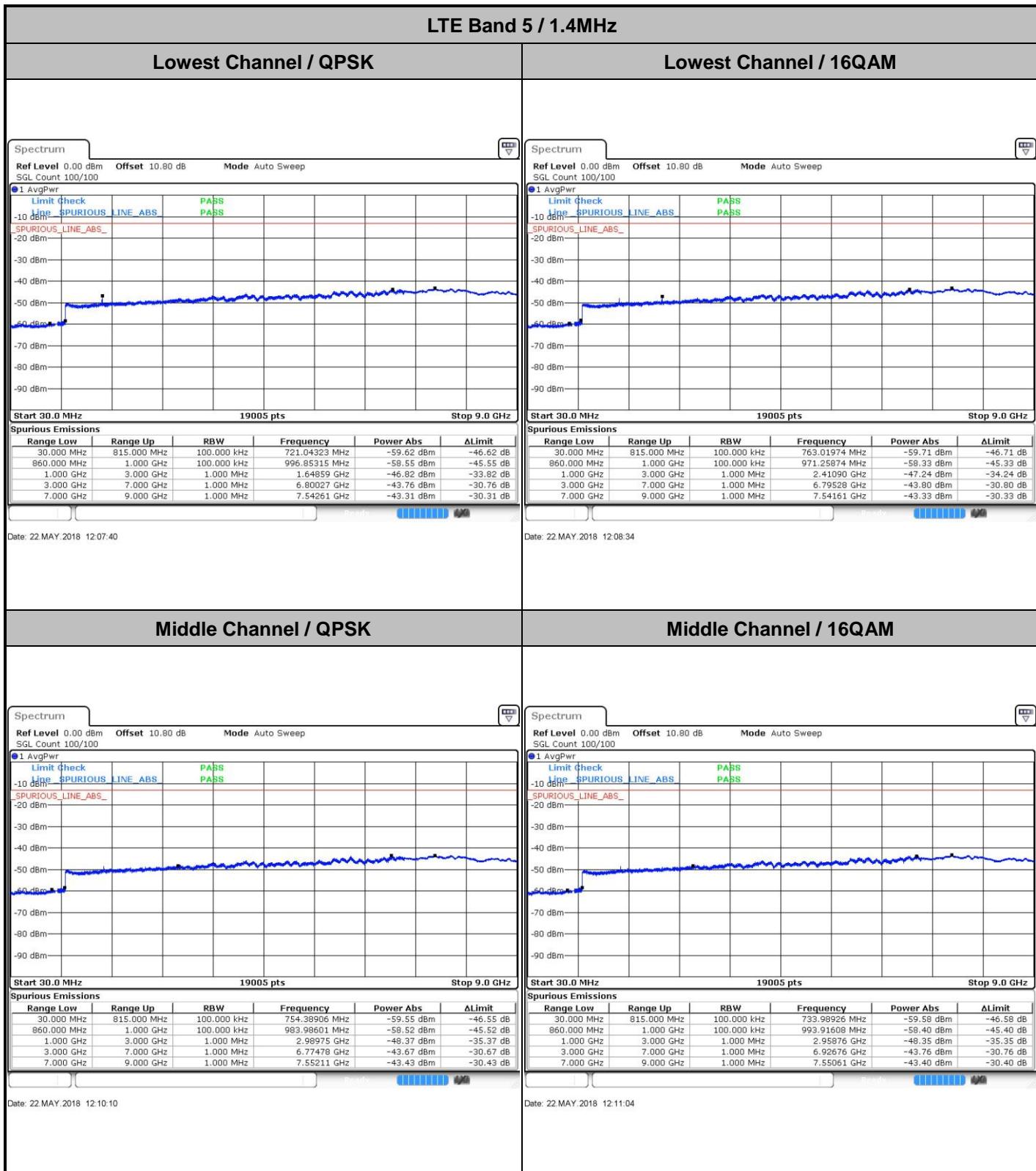




Conducted Spurious Emission

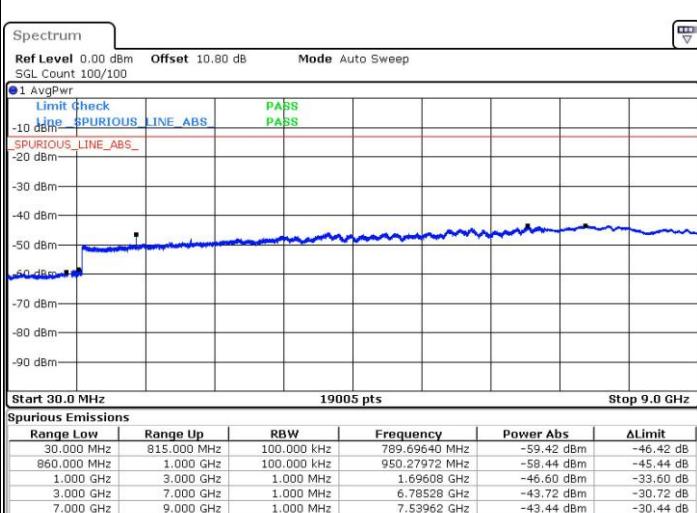
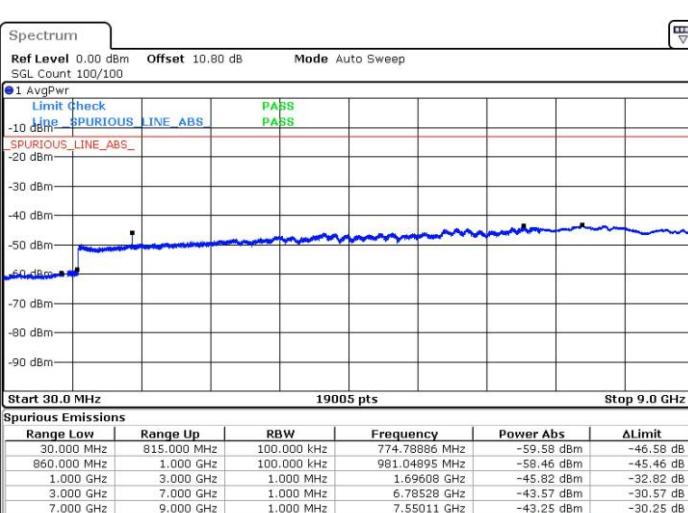




LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM

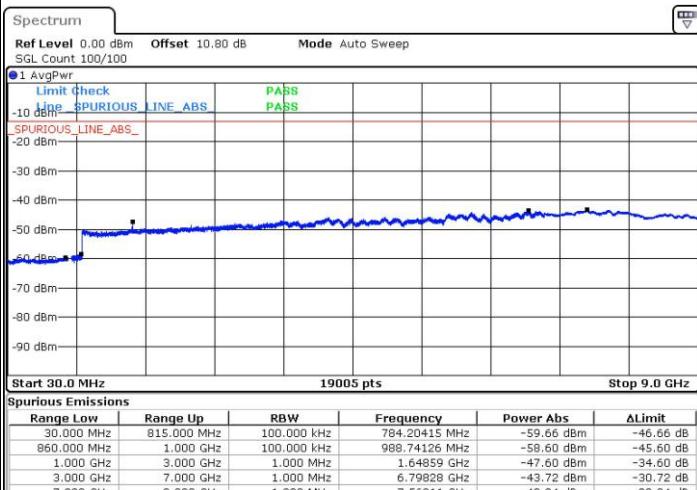
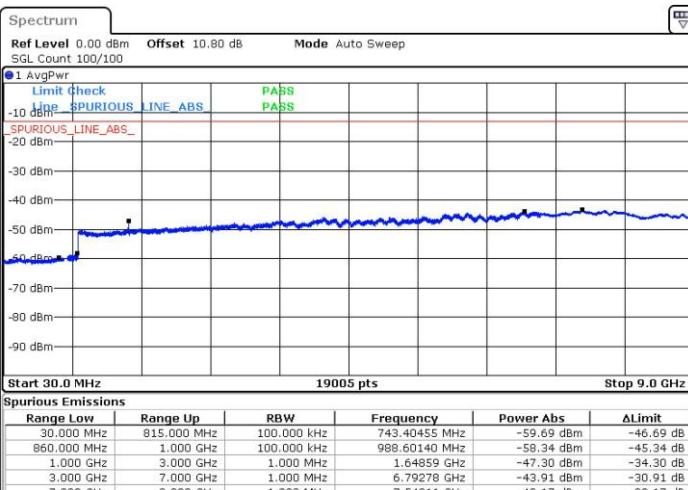


Date: 22.MAY.2018 12:19:17

LTE Band 5 / 3MHz

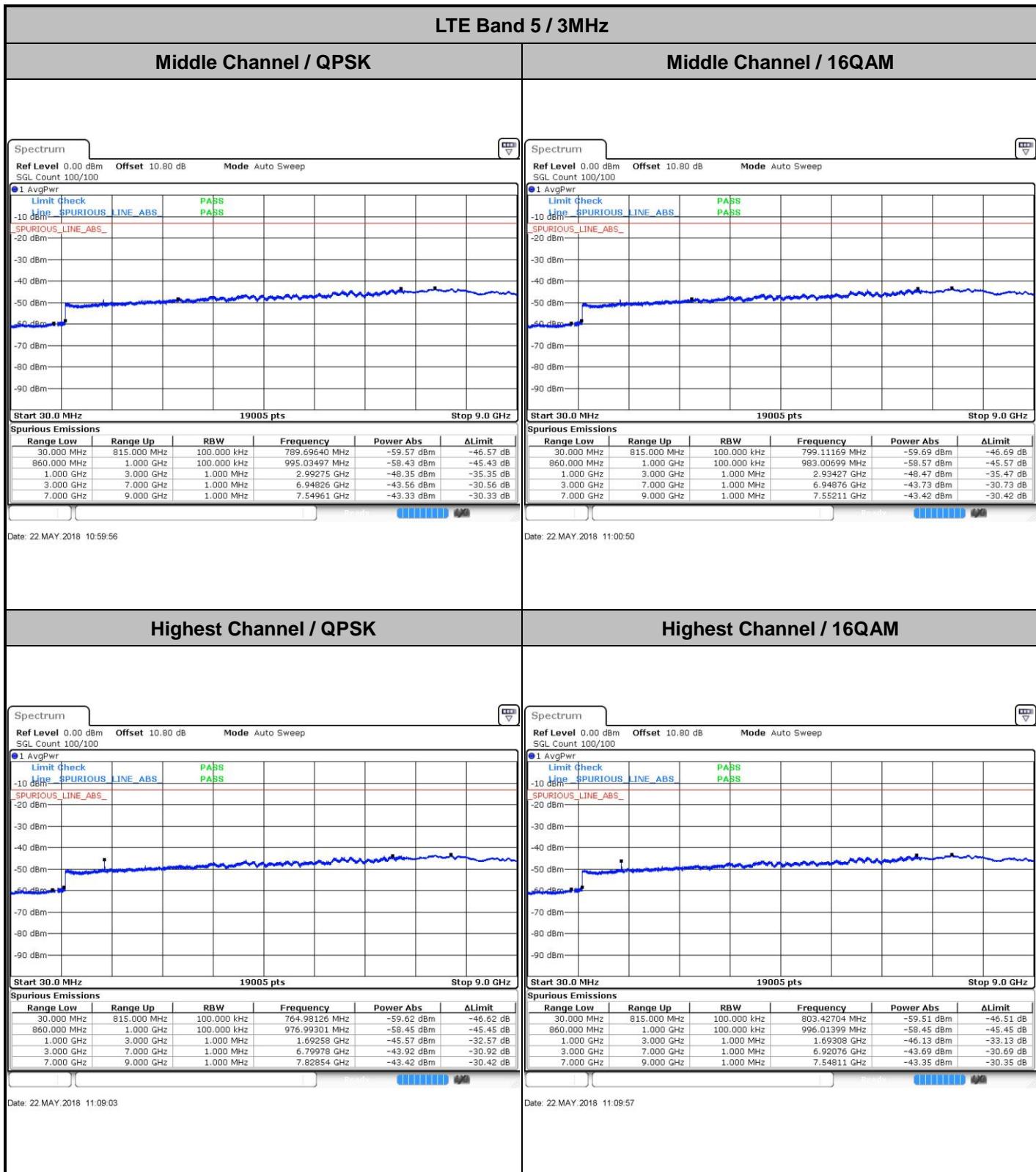
Lowest Channel / QPSK

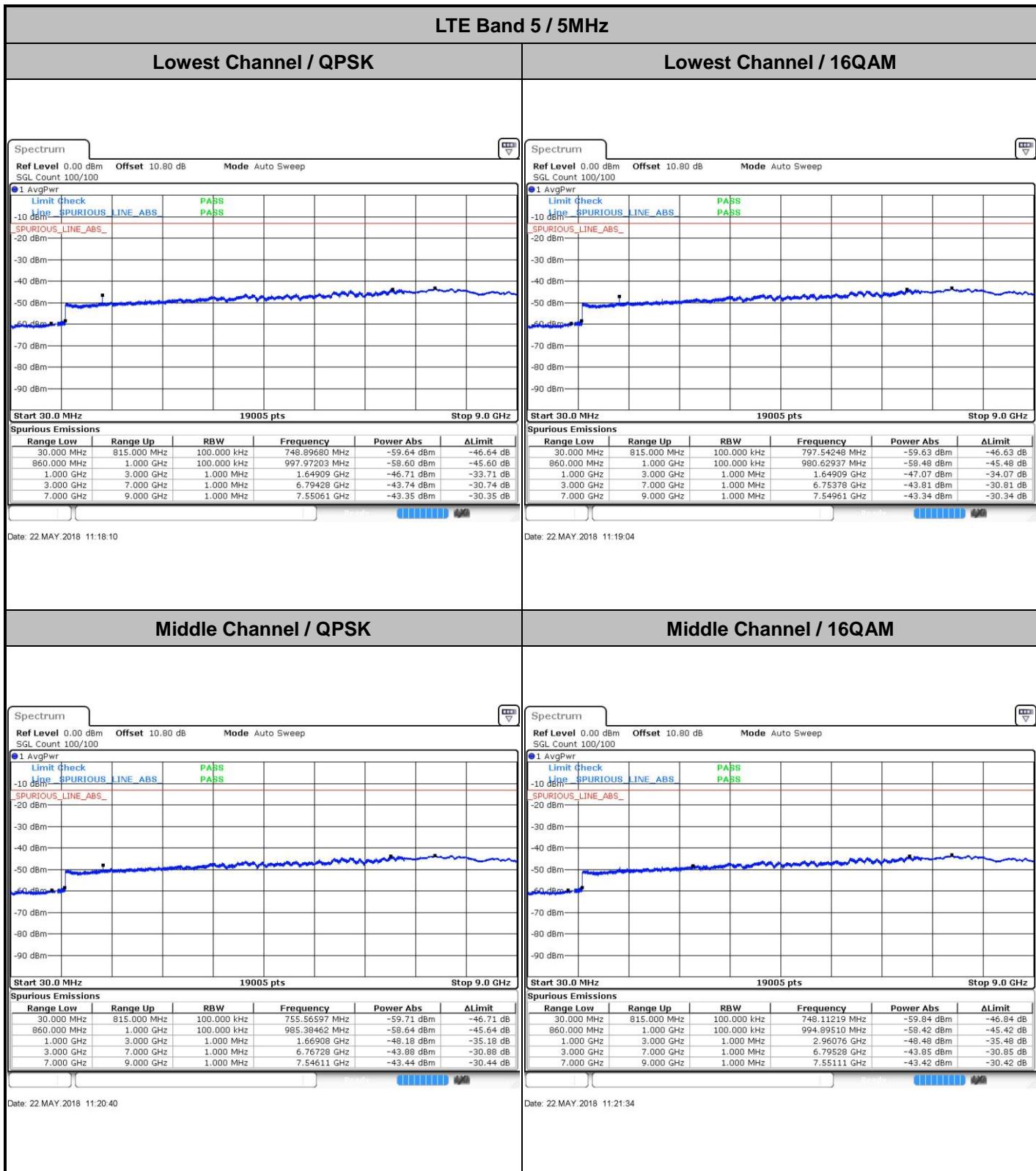
Lowest Channel / 16QAM



Date: 22.MAY.2018 10:57:25

Date: 22.MAY.2018 10:58:20



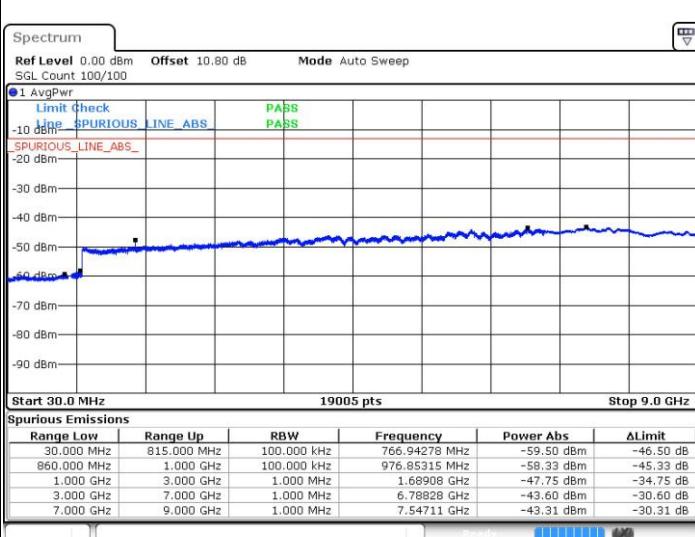
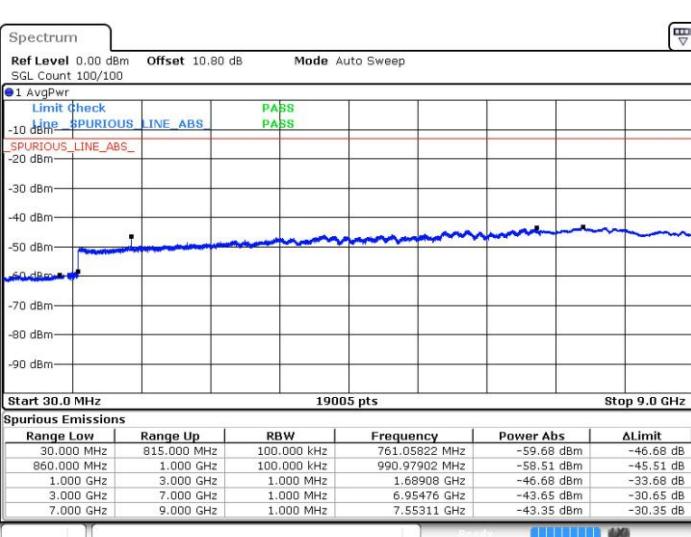




LTE Band 5 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



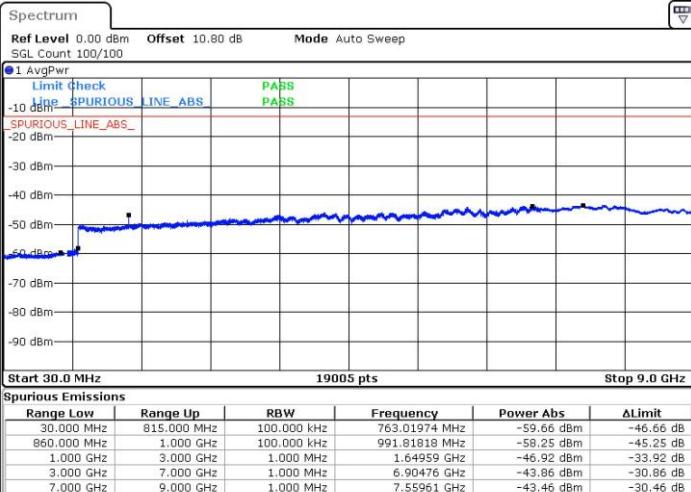
Date: 22.MAY.2018 11:28:47

Date: 22.MAY.2018 11:30:41

LTE Band 5 / 10MHz

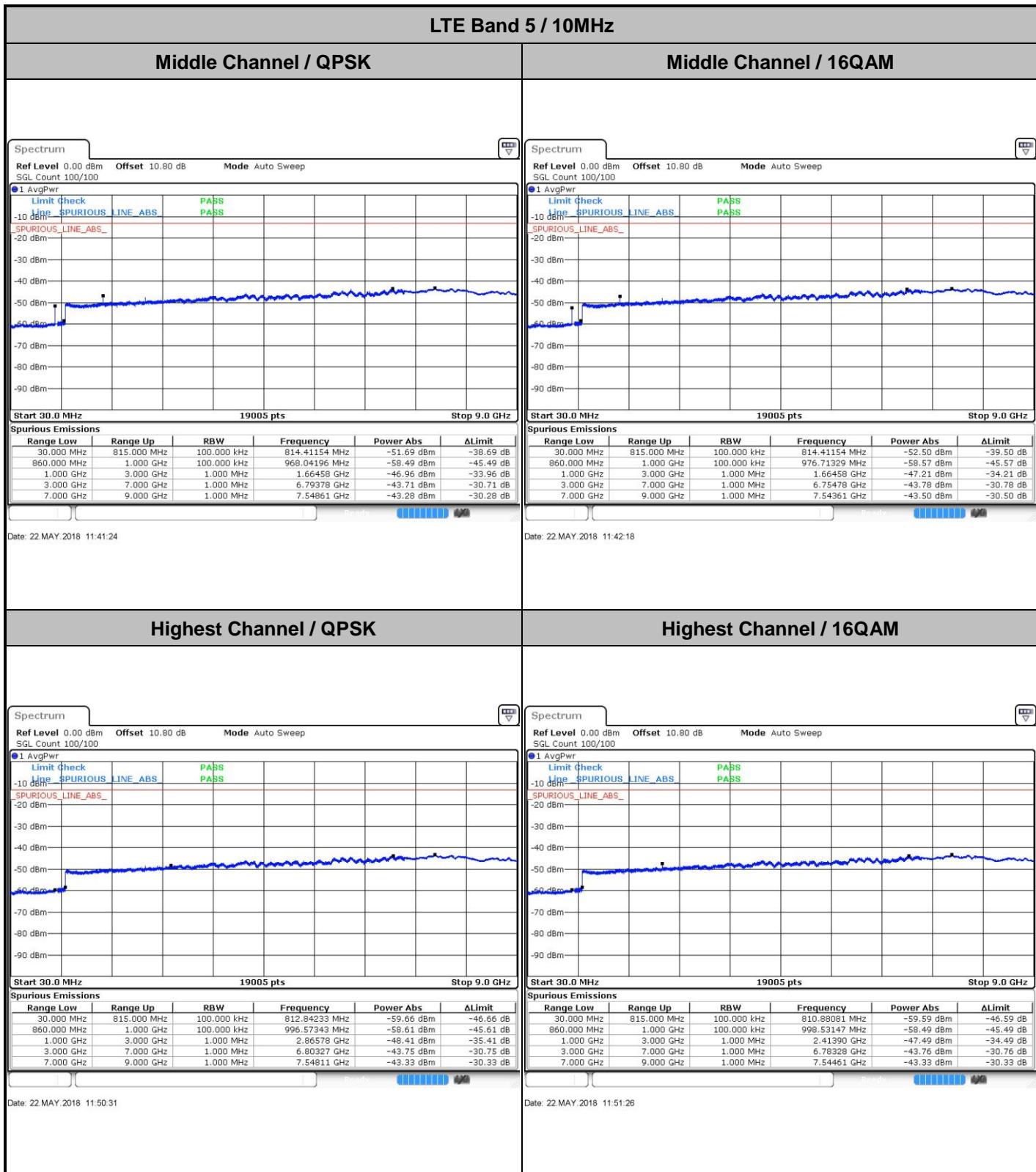
Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22.MAY.2018 11:38:54

Date: 22.MAY.2018 11:39:48





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	0.0022	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0030	

Note:

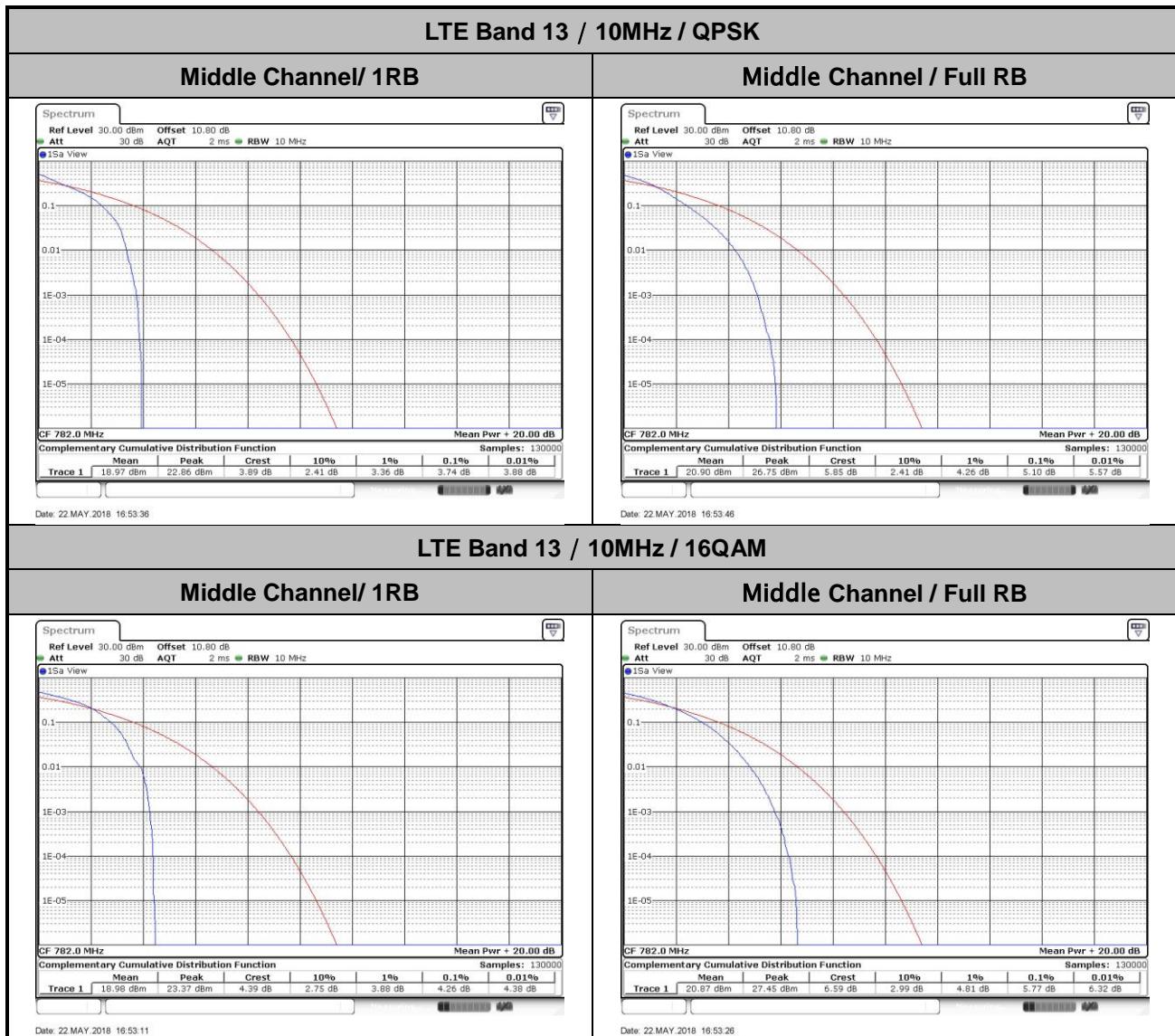
1. Normal Voltage =230 V. ; Battery End Point (BEP) =207 V. ; Maximum Voltage =253 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

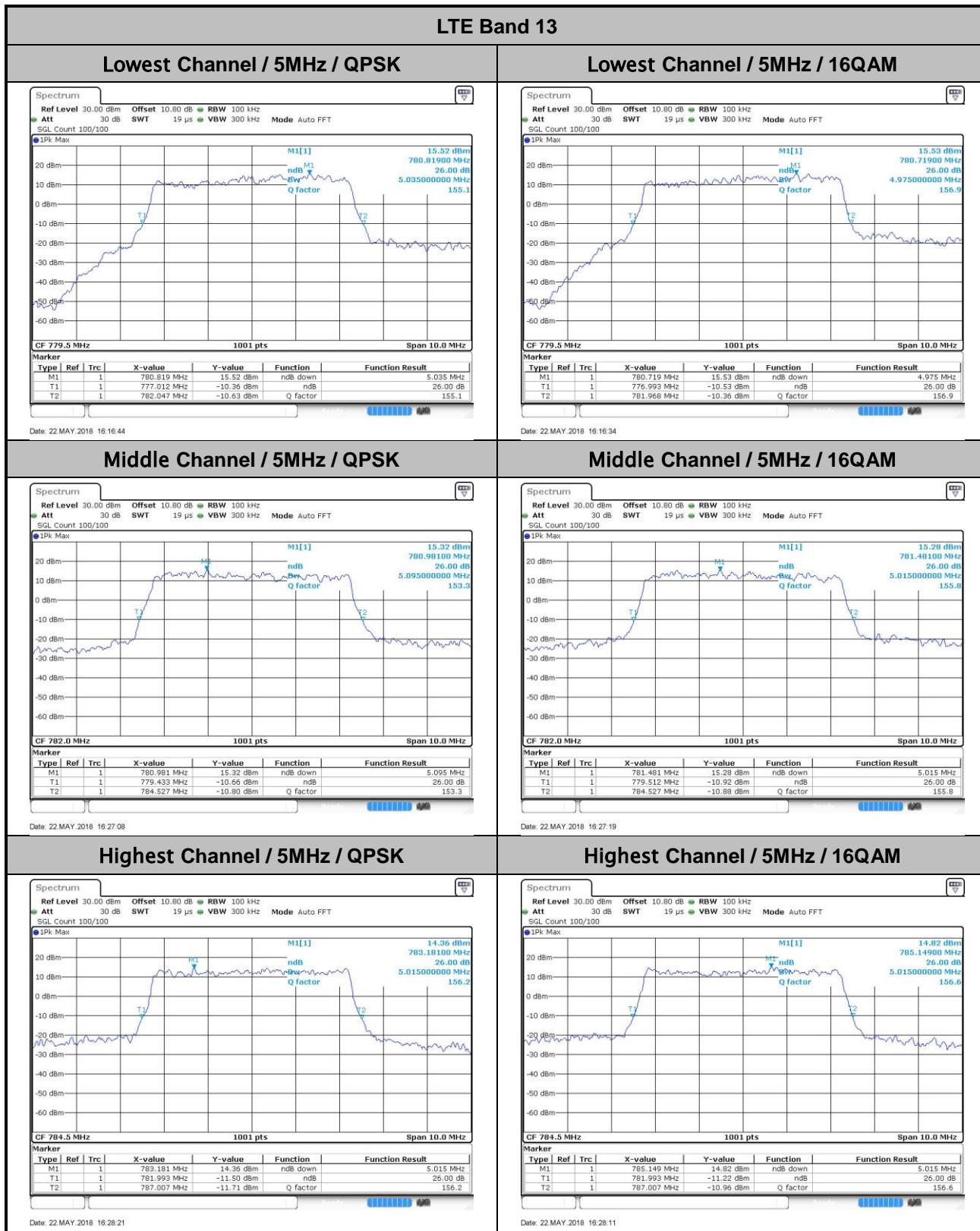
Peak-to-Average Ratio

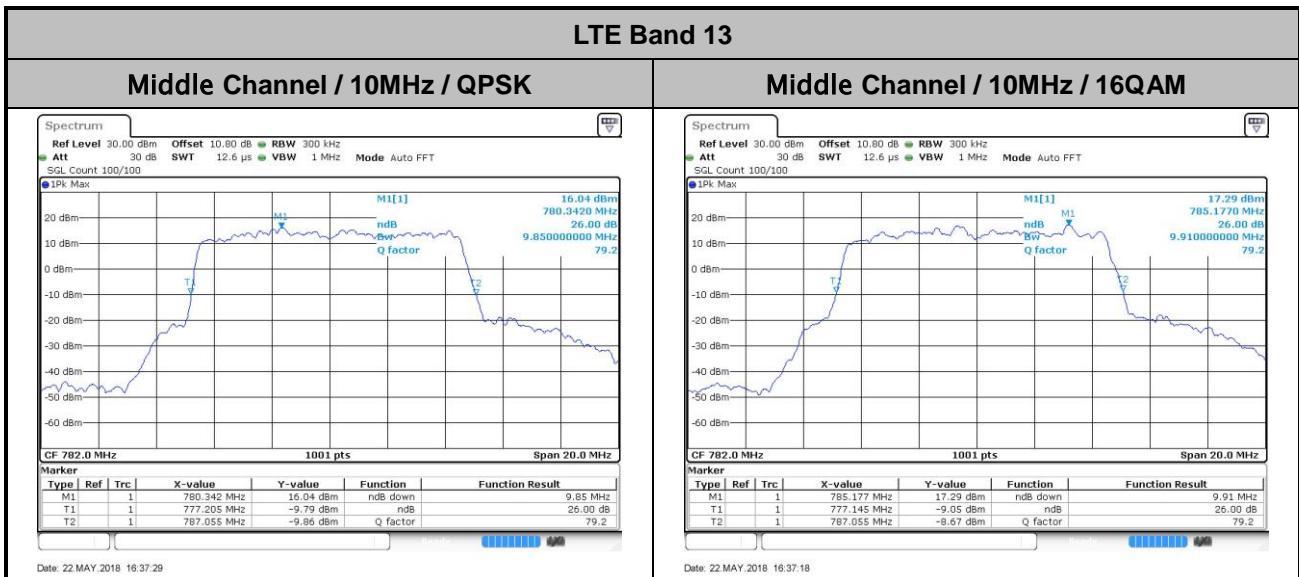
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	
Middle CH	3.74	5.1	4.26	5.77	PASS
Highest CH	-	-	-	-	



**26dB Bandwidth**

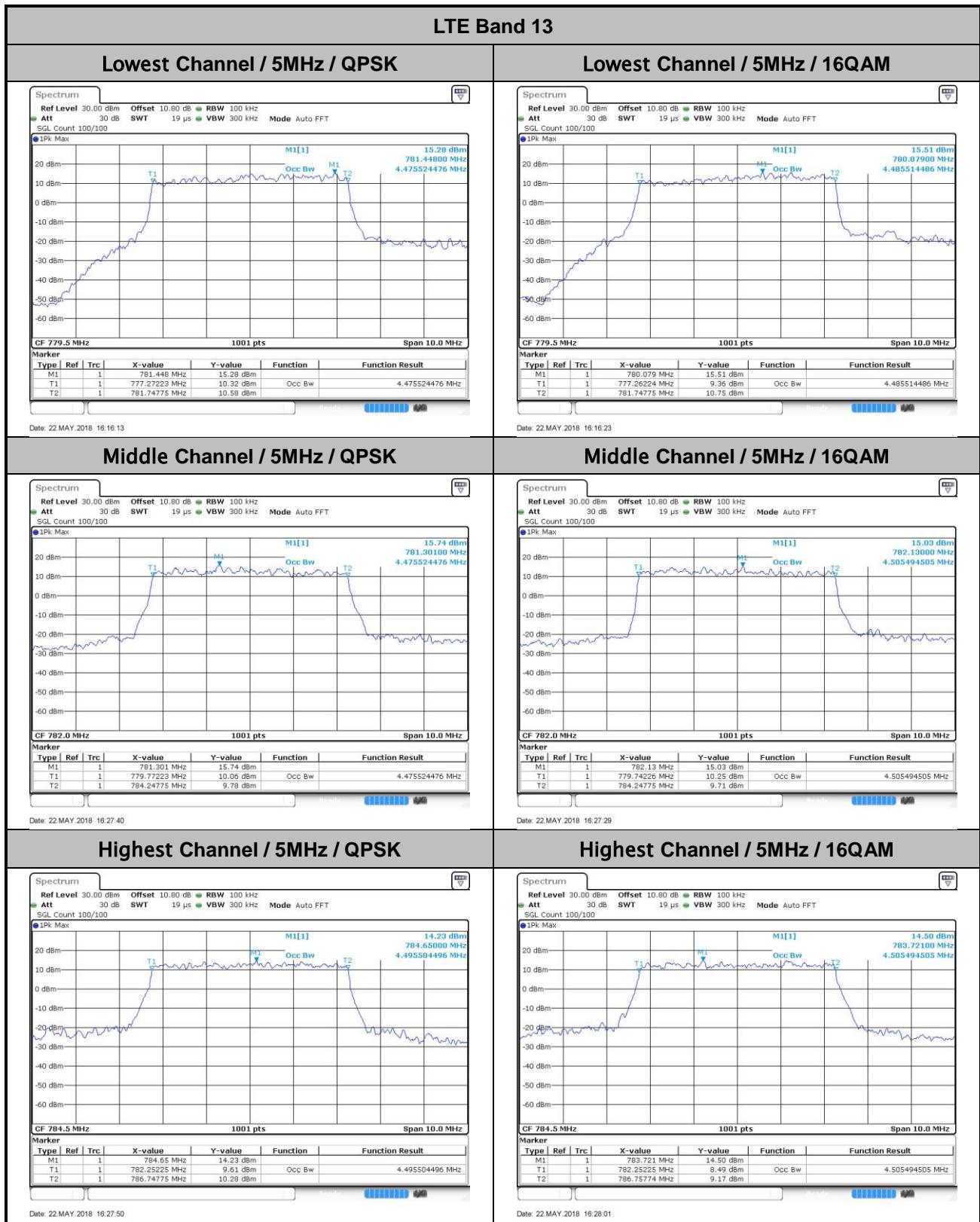
Mode	LTE Band 13 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.04	4.98	-	-	-	-	-	-
Middle CH	-	-	-	-	5.10	5.02	9.85	9.91	-	-	-	-
Highest CH	-	-	-	-	5.02	5.02	-	-	-	-	-	-

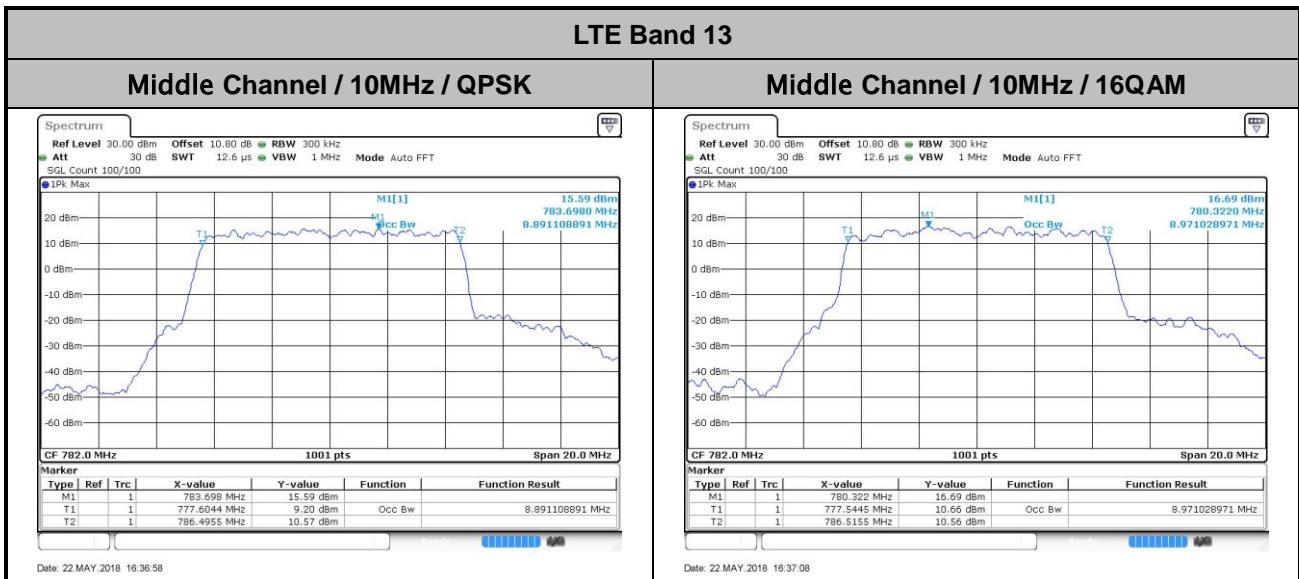




**Occupied Bandwidth**

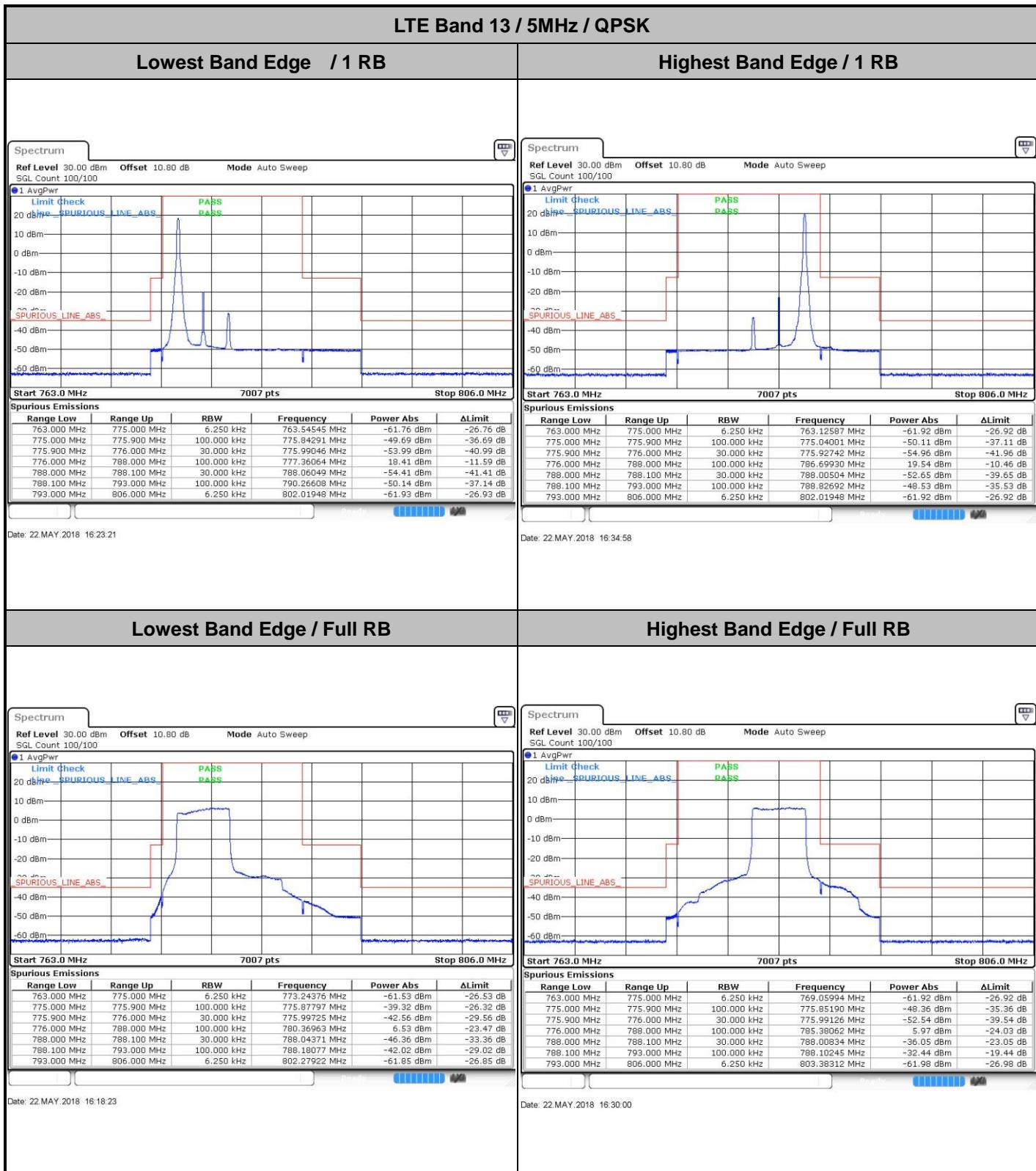
Mode	LTE Band 13 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.49	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	4.51	8.89	8.97	-	-	-	-
Highest CH	-	-	-	-	4.5	4.51	-	-	-	-	-	-

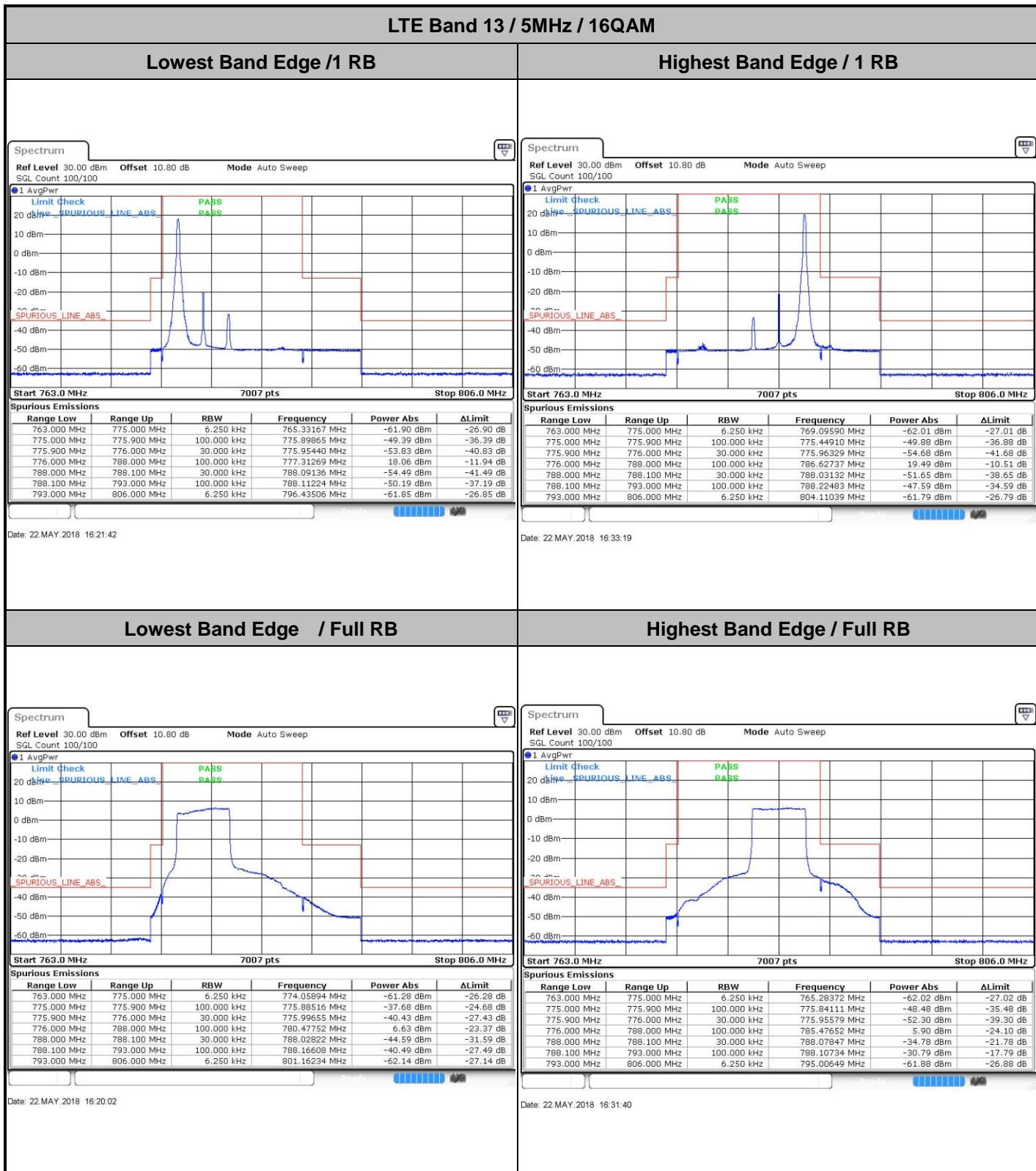


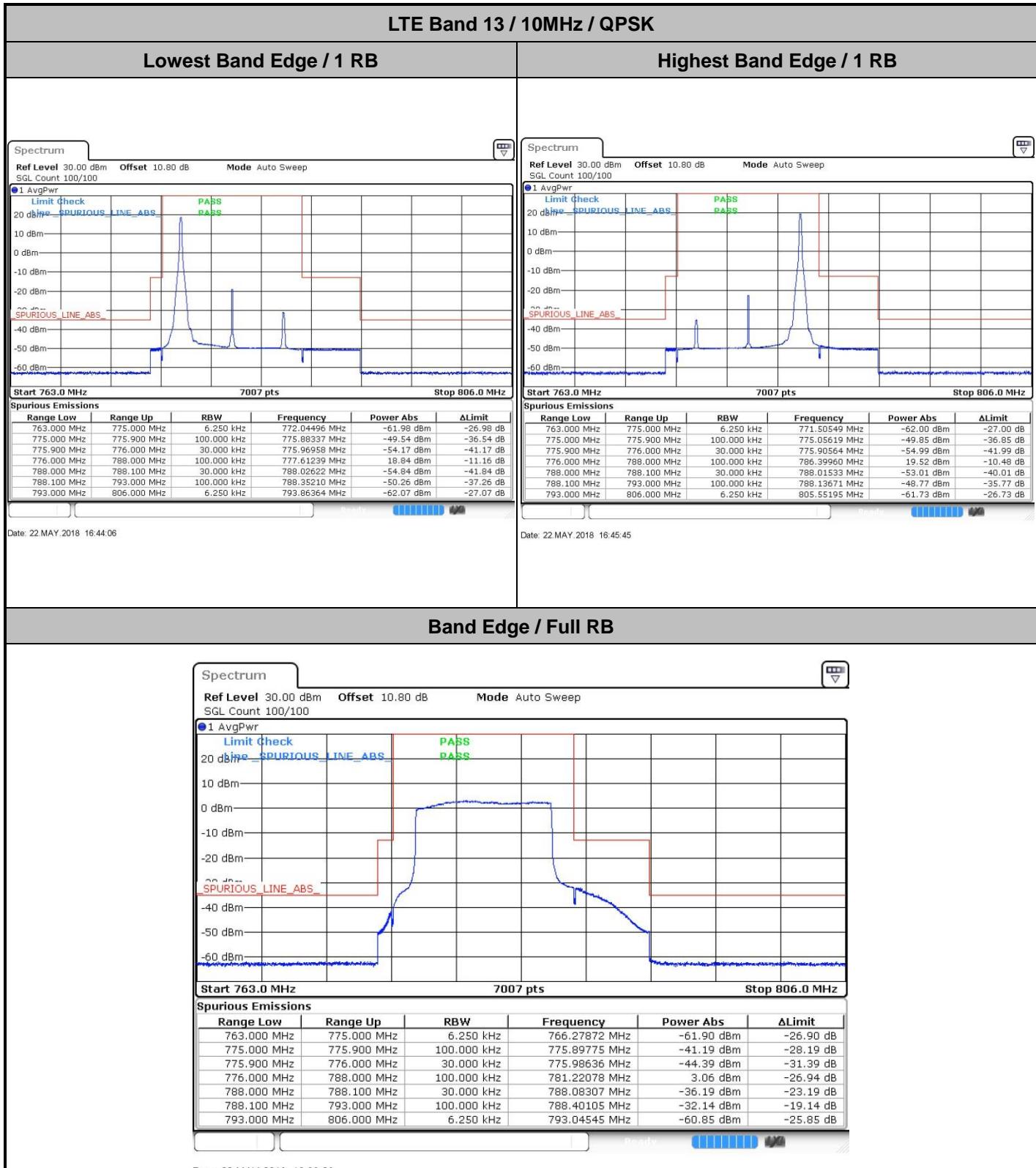


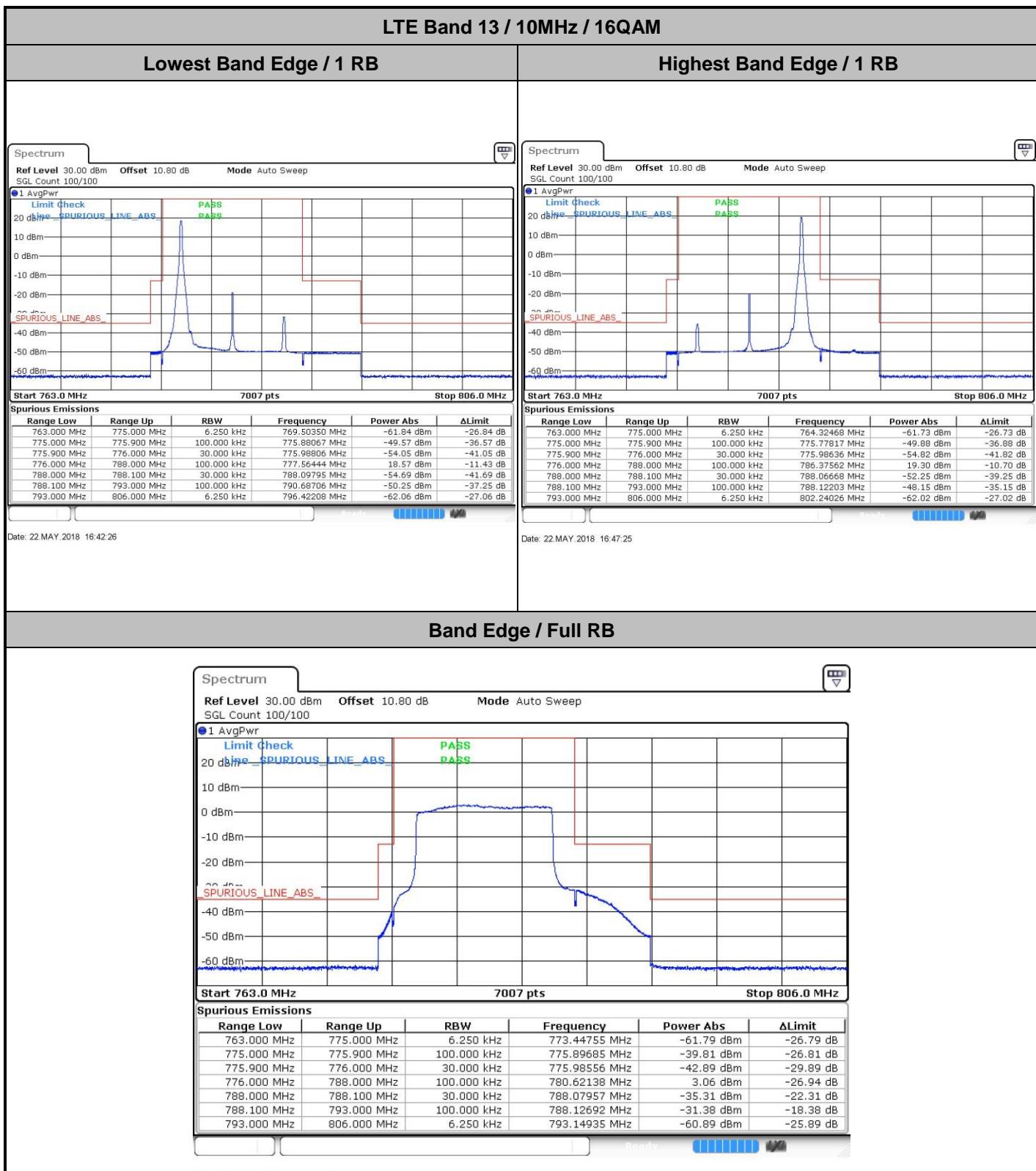


Conducted Band Edge











Conducted Spurious Emission

