

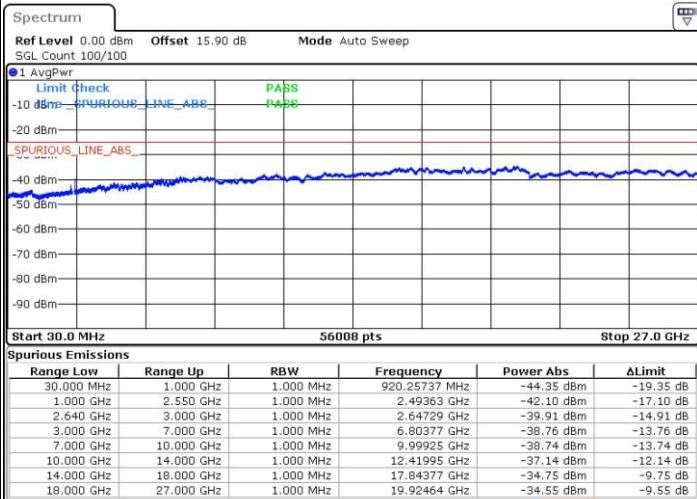
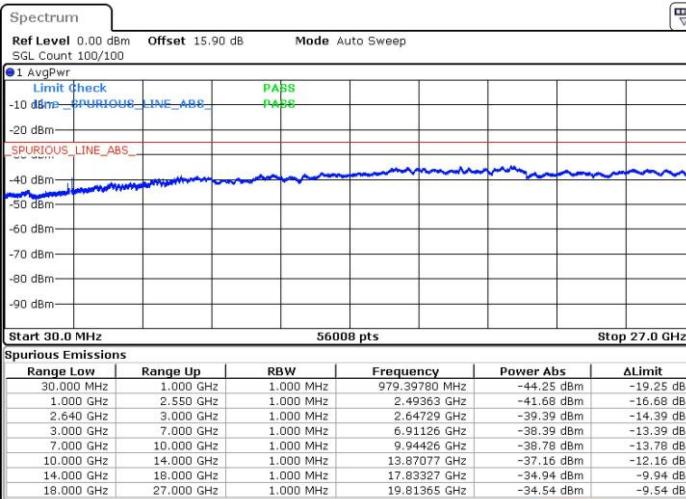


Conducted Spurious Emission

LTE Band 38 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

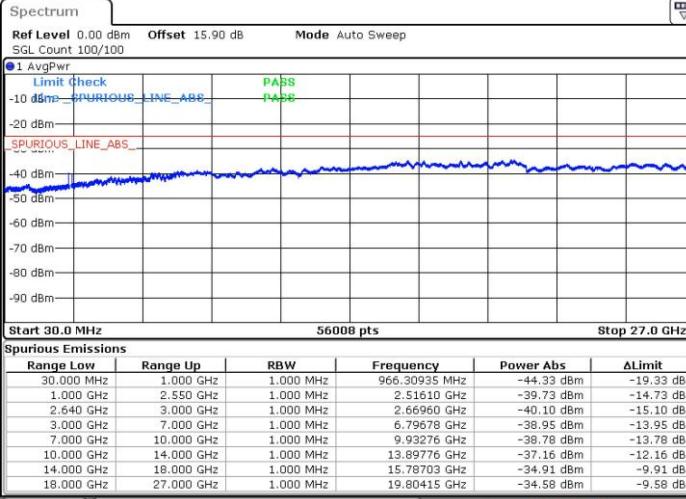


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Date: 24.JUL.2019 00:57:09

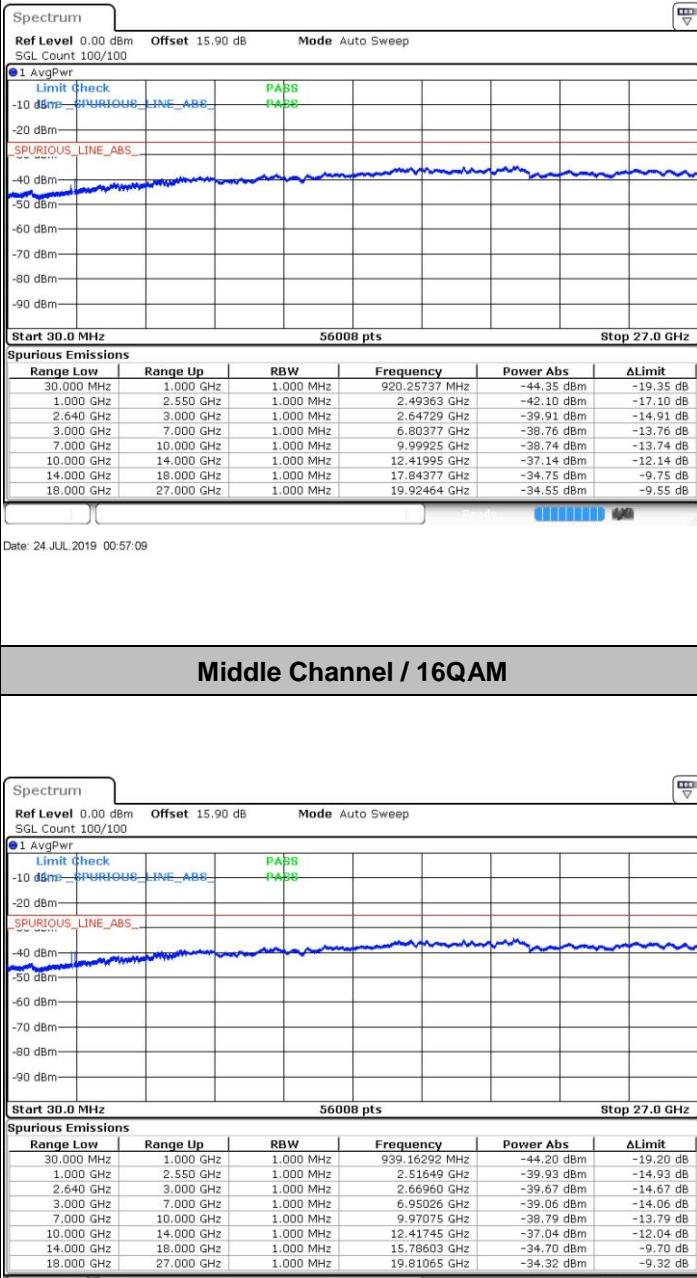
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 24.JUL.2019 00:58:00

Date: 24.JUL.2019 00:58:51

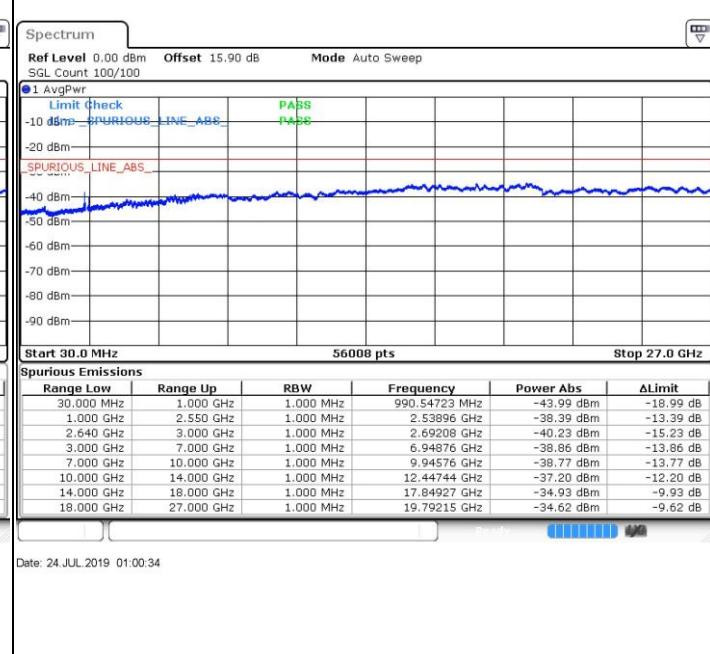
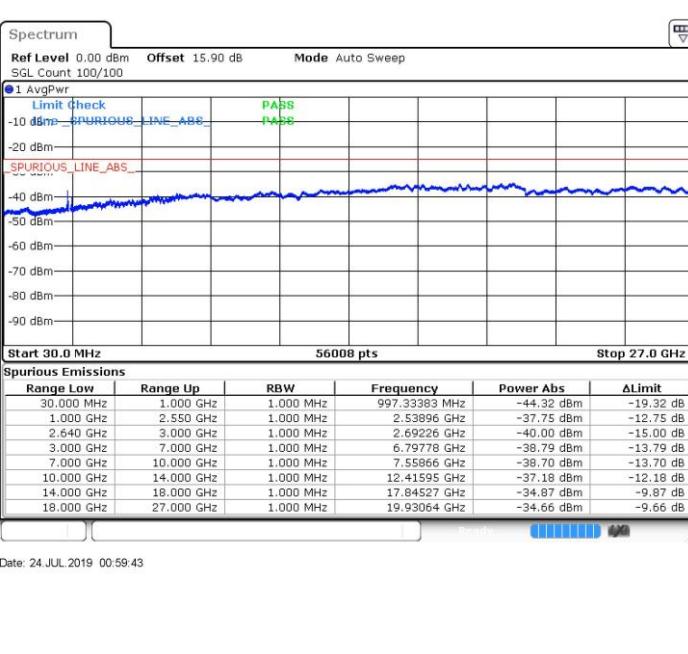




LTE Band 38 / 5MHz

Highest Channel / QPSK

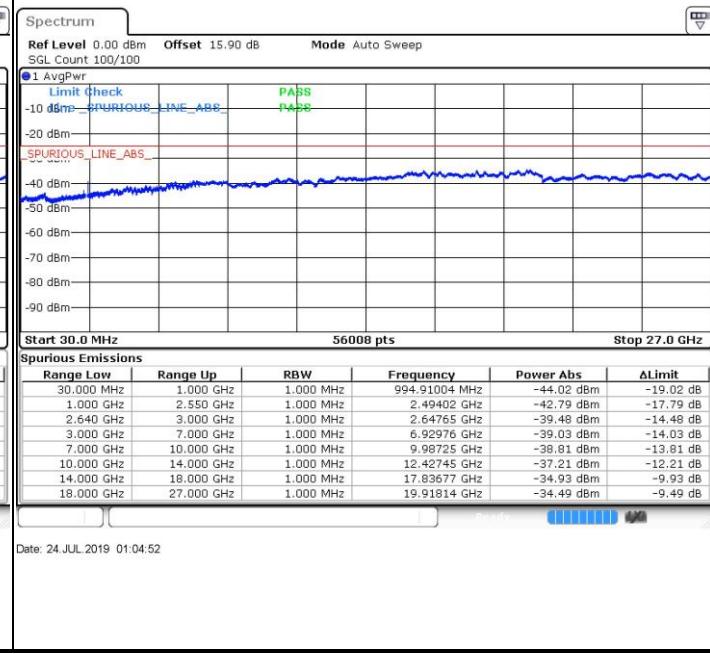
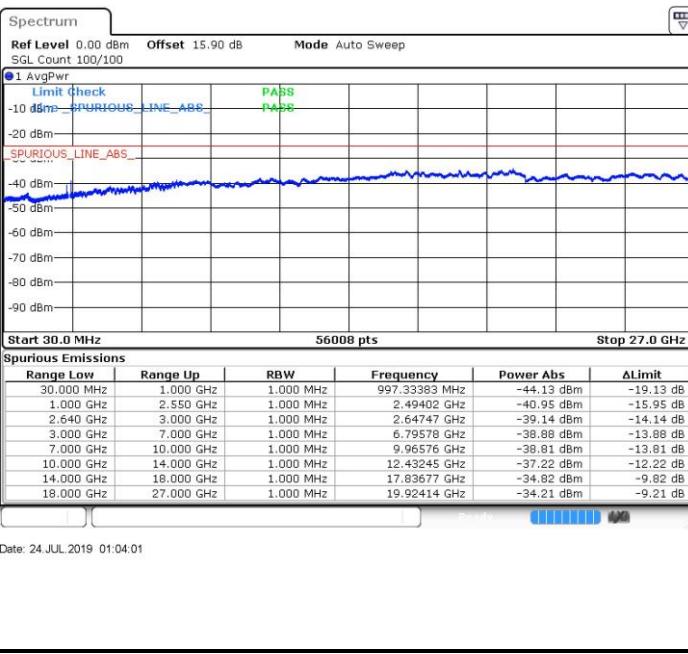
Highest Channel / 16QAM

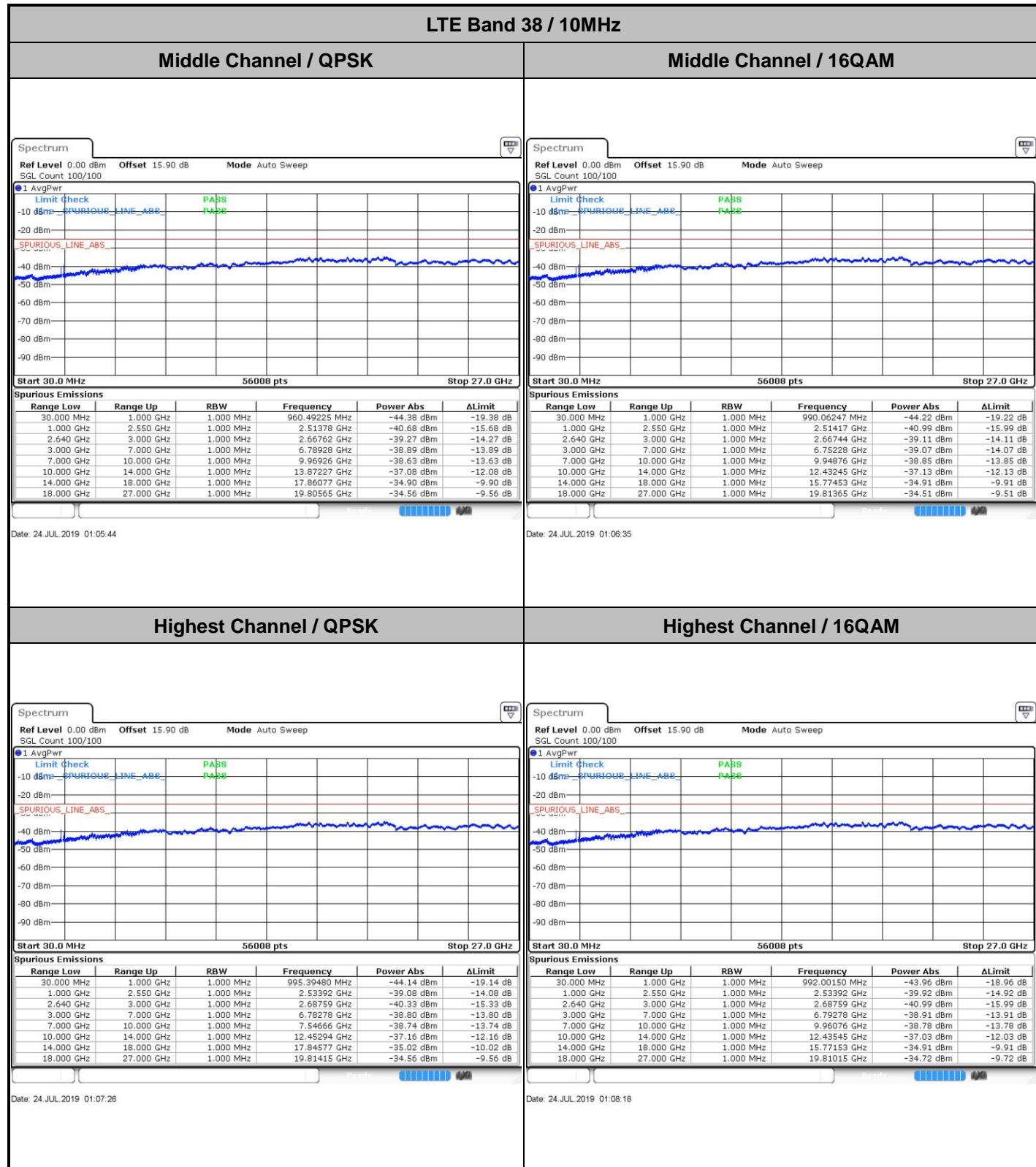


LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



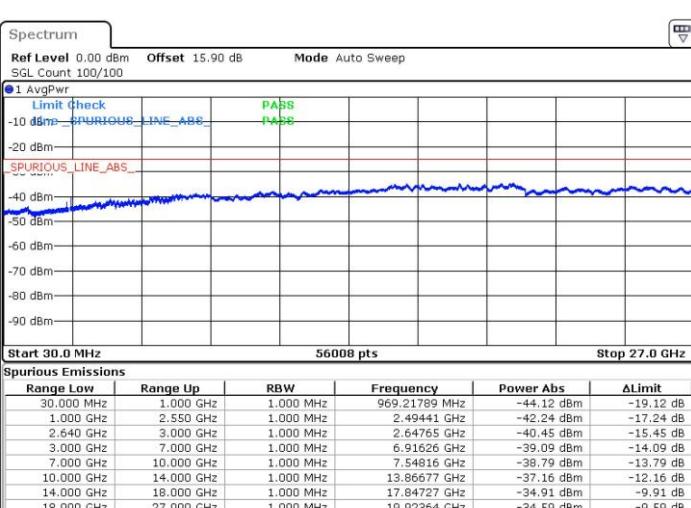
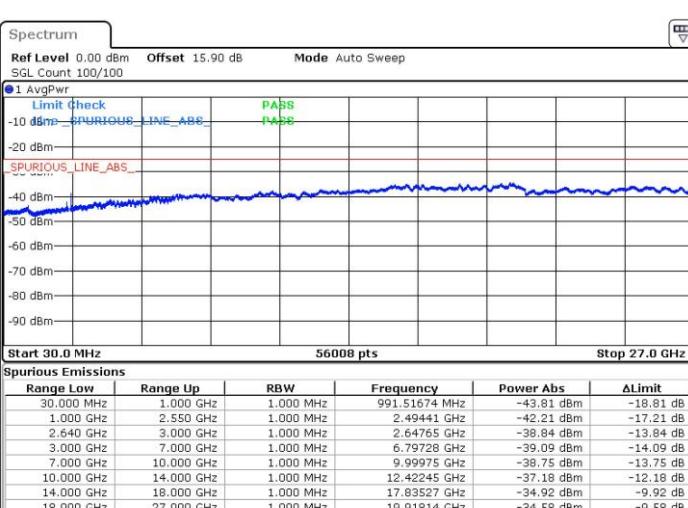




LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

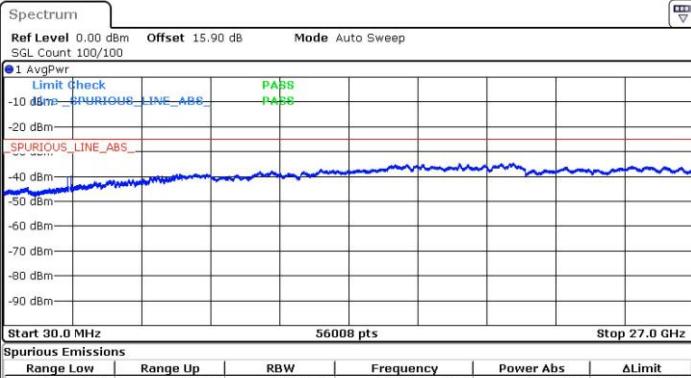
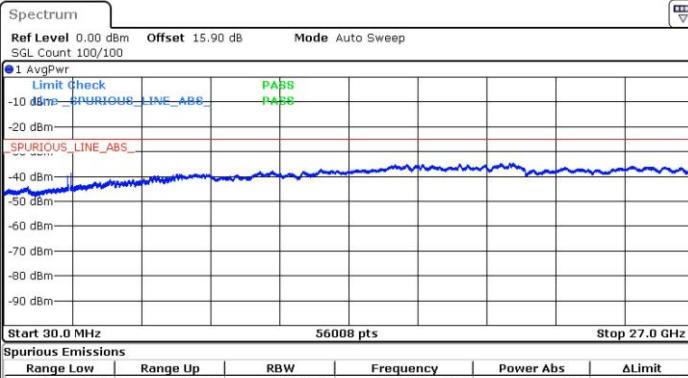


Date: 24.JUL.2019 01:09:10

Date: 24.JUL.2019 01:10:02

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 24.JUL.2019 01:10:53

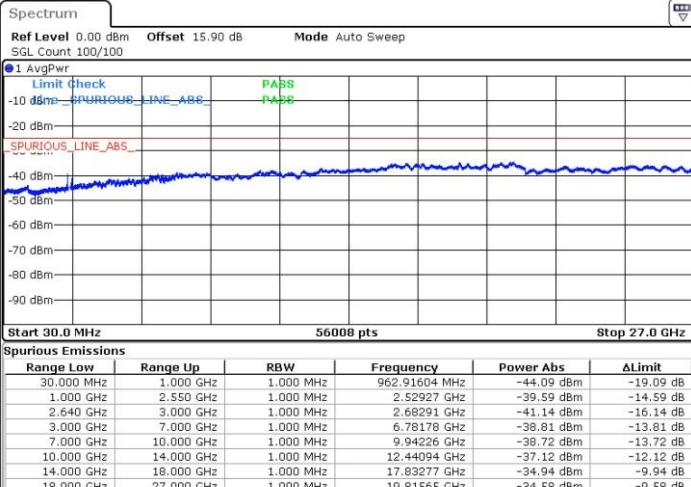
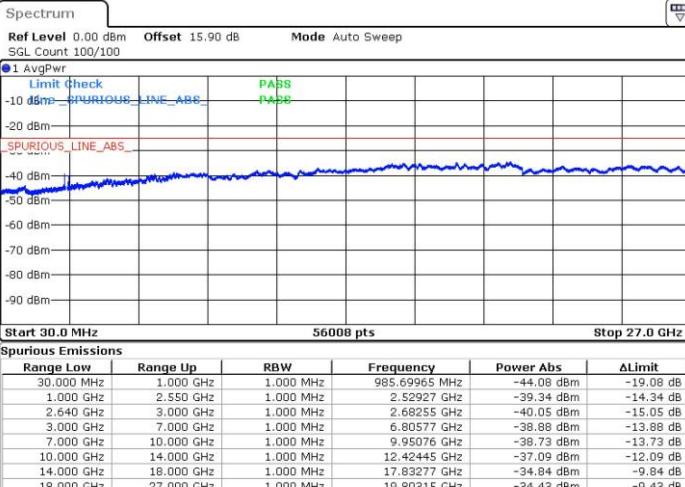
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LTE Band 38 / 15MHz

Highest Channel / QPSK

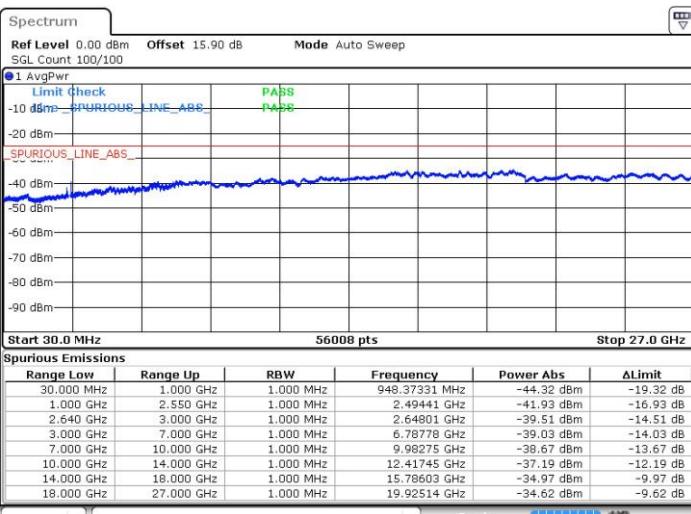
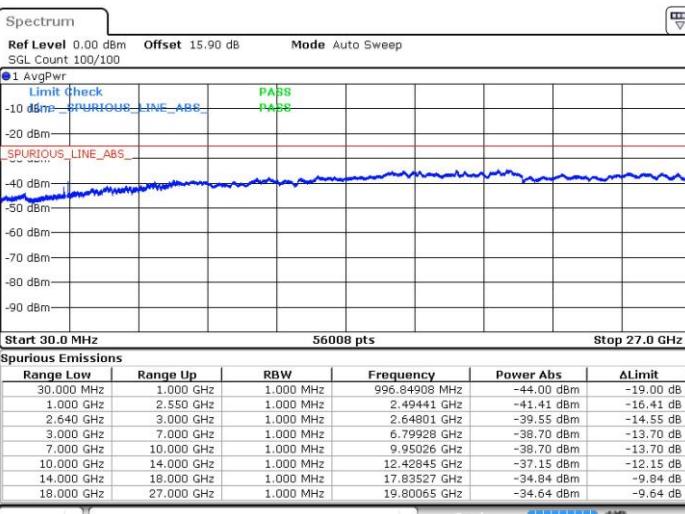
Highest Channel / 16QAM

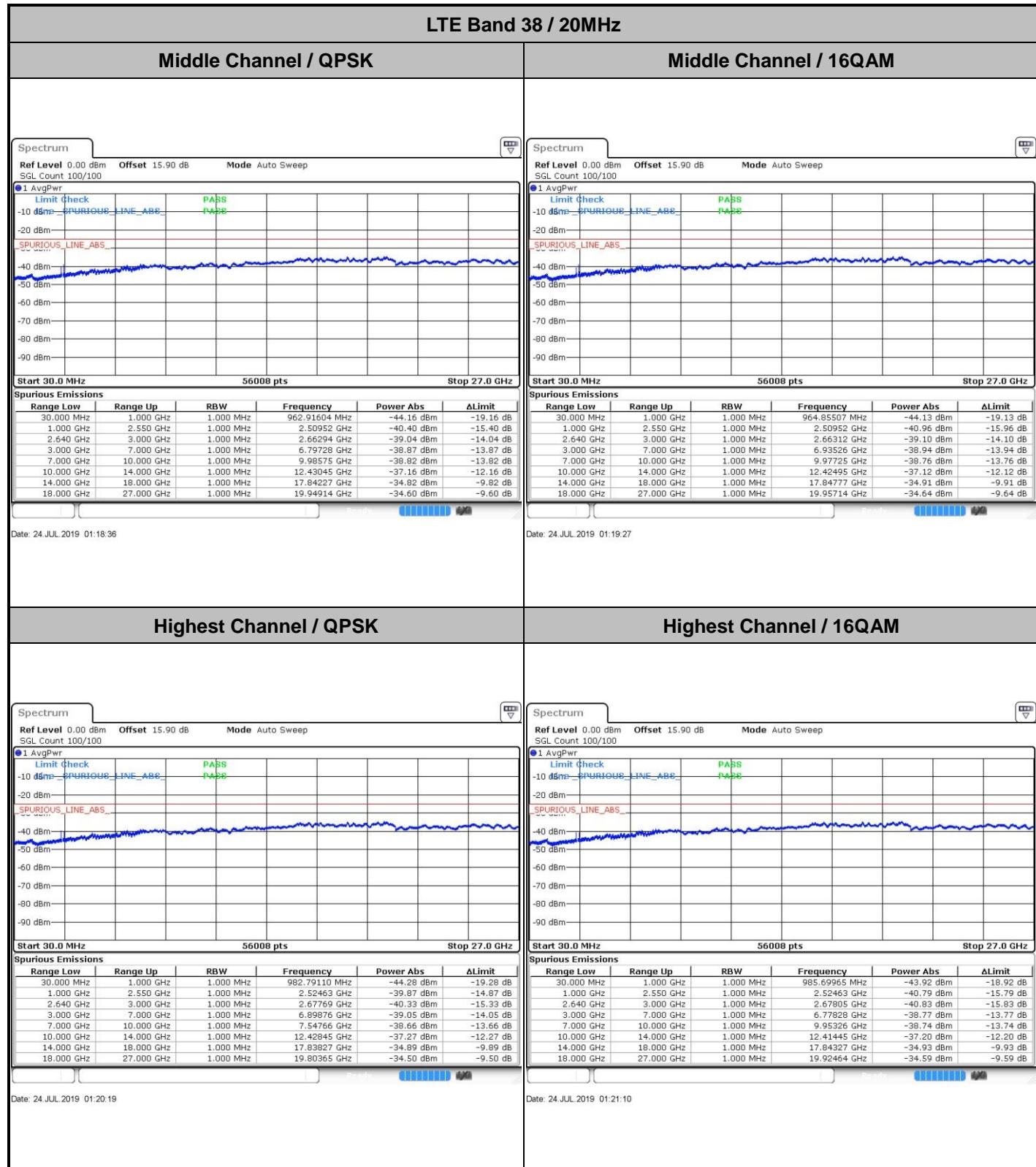


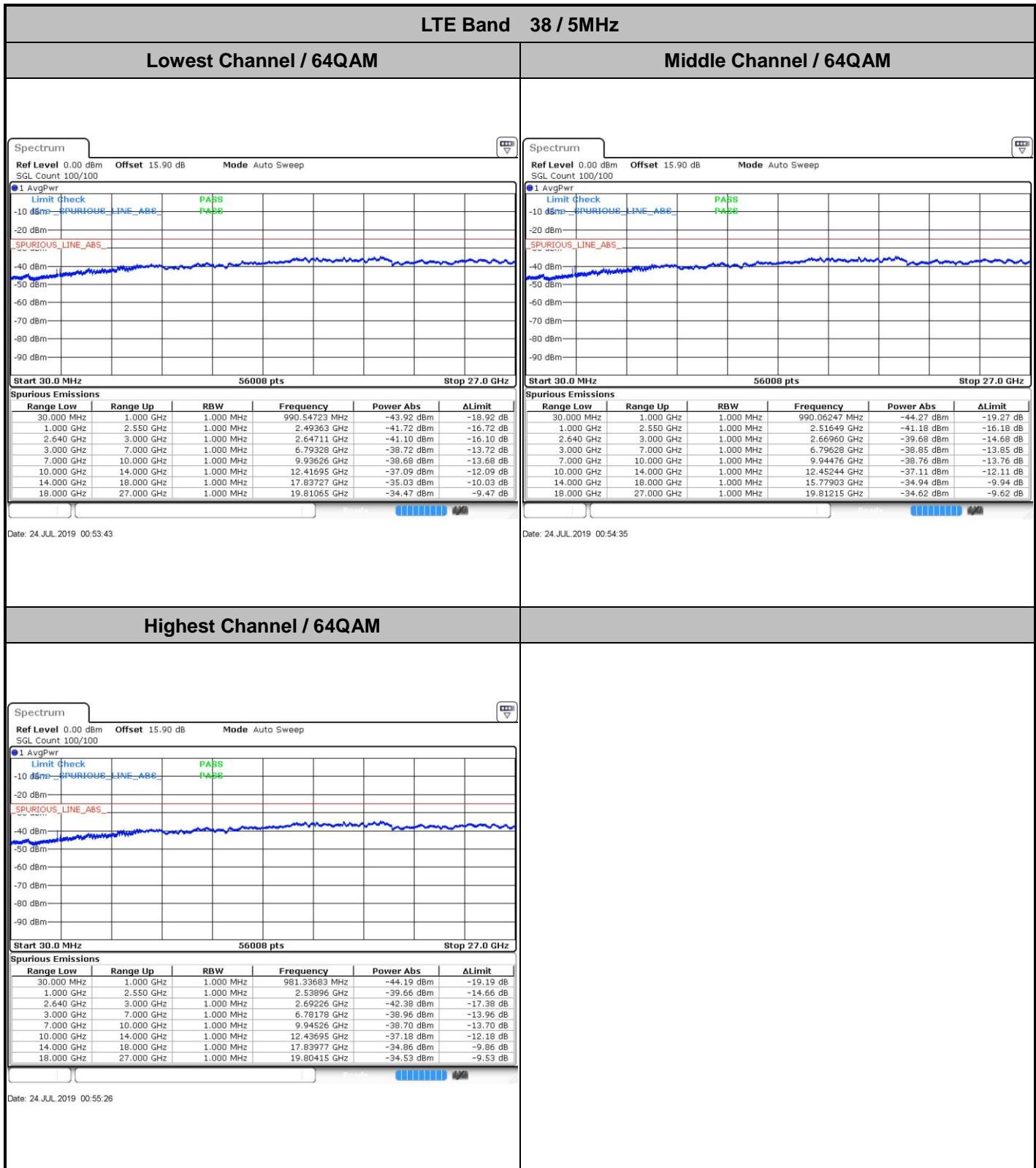
LTE Band 38 / 20MHz

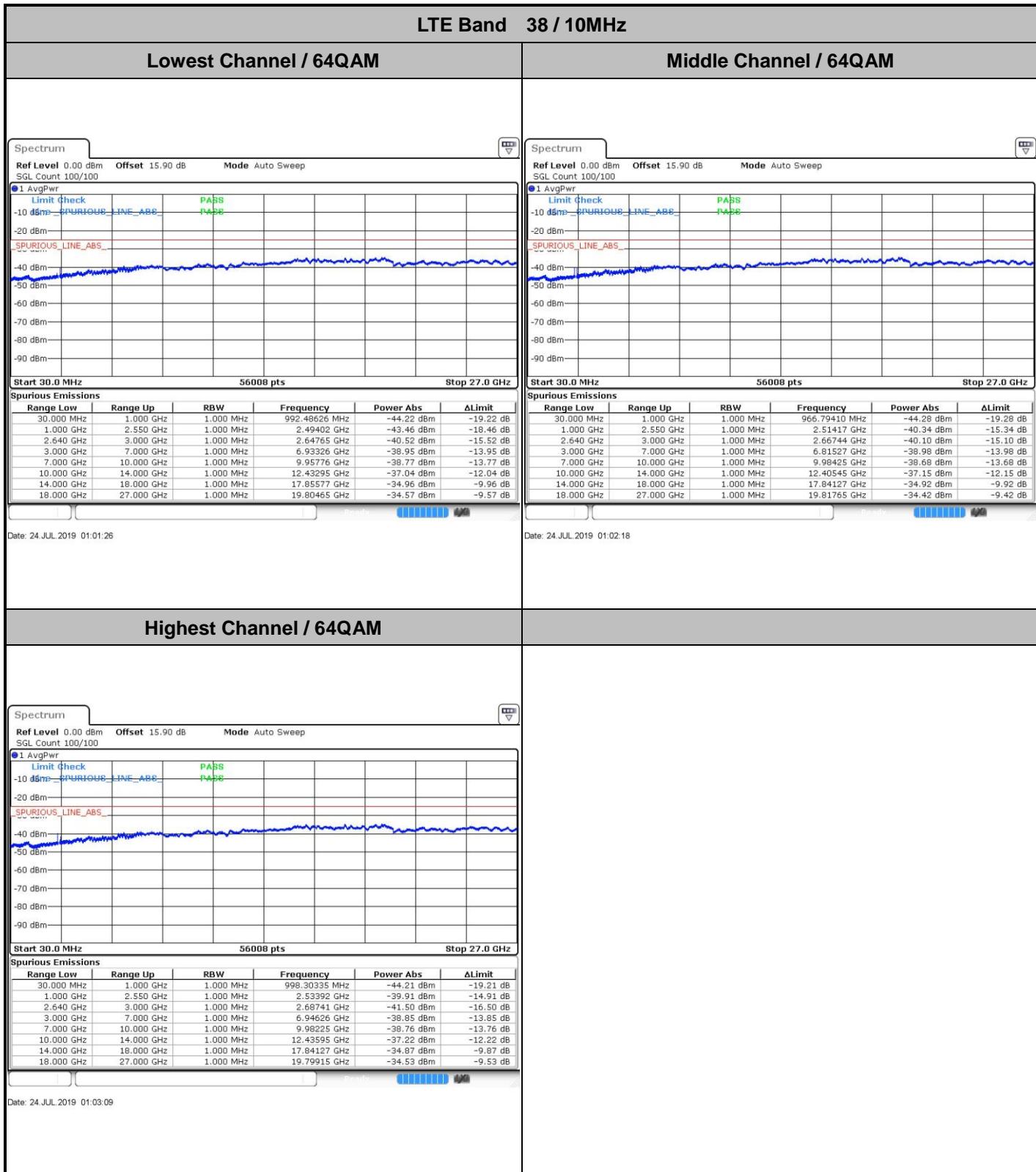
Lowest Channel / QPSK

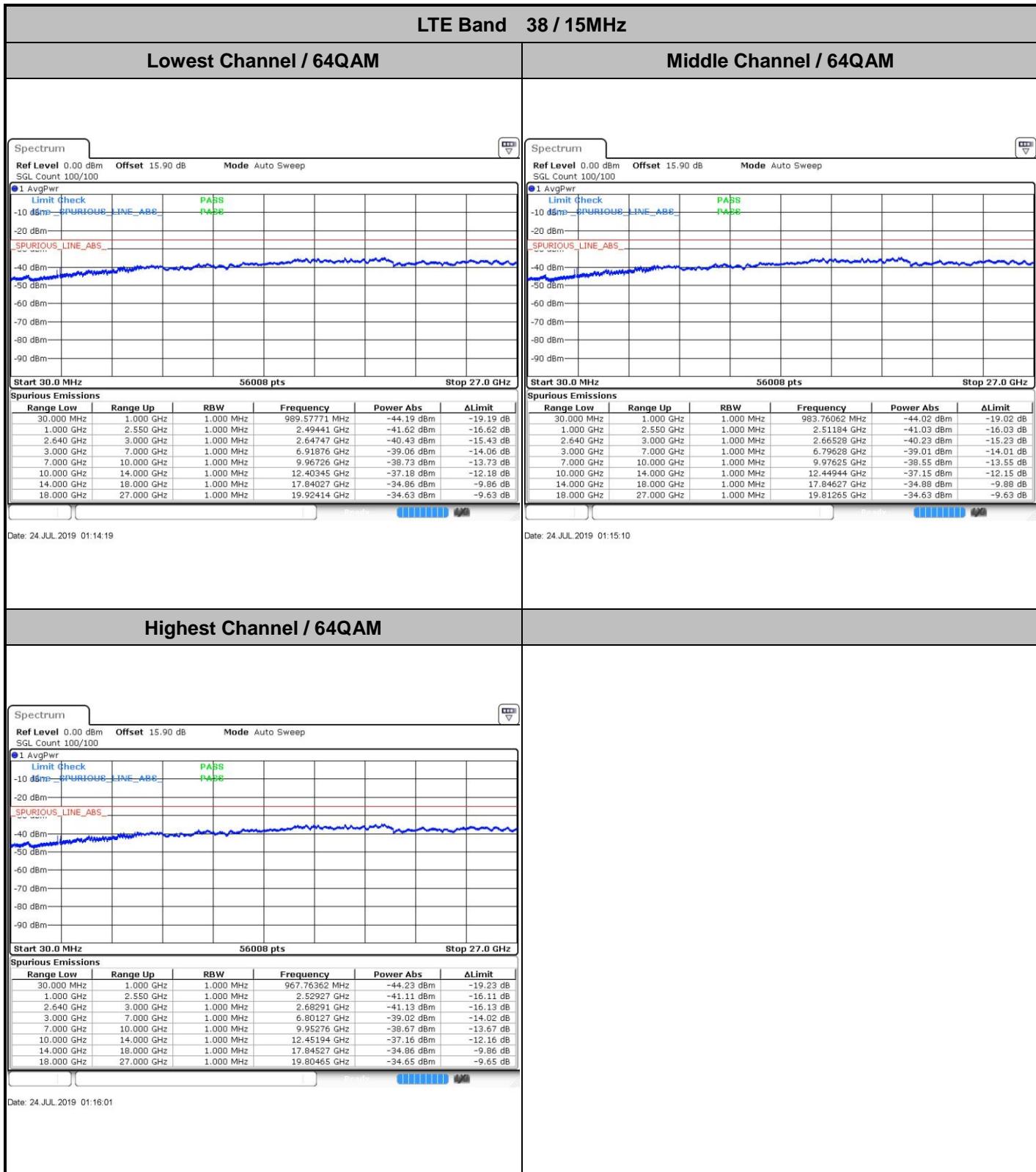
Lowest Channel / 16QAM















Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0064	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.13	4.32	4.87	5.62	PASS
Middle CH	3.57	4.61	5.22	6.00	
Highest CH	3.68	4.84	4.87	6.32	

Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.71	6.14	-	-	PASS
Middle CH	6.29	6.52	-	-	
Highest CH	6.09	6.78	-	-	