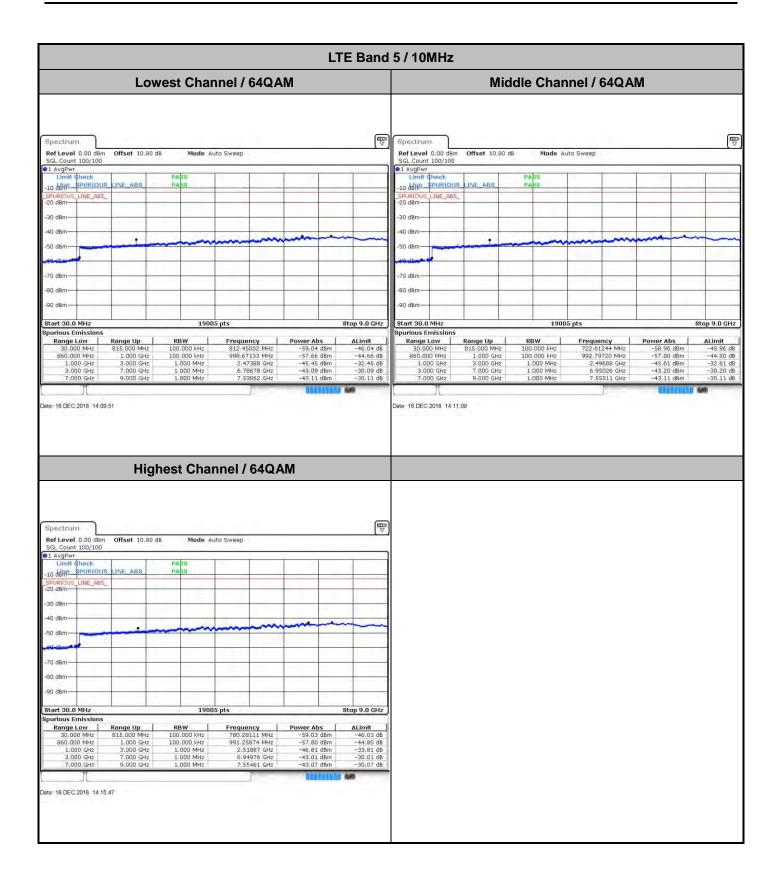
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Frequency Stability

Test (Conditions	LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature	Voltage	BW 10MHz	2.5ppm
(°C)	(Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0025	
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0012	DACC
-10	Normal Voltage	0.0006	PASS
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

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Note:

- 1. Normal Voltage =9 V.; Battery End Point (BEP) =7.65 V.; Maximum Voltage =10.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

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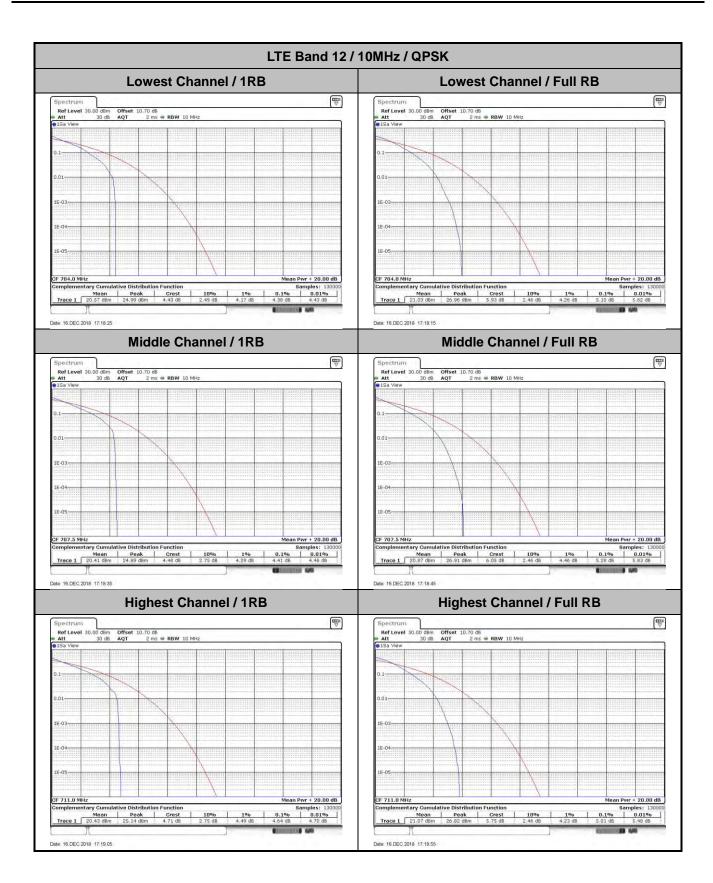
LTE Band 12

Peak-to-Average Ratio

Mode					
Mod.	QP	SK	160	Limit: 13dB	
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	5.1	5.39	5.91	
Middle CH	4.41	5.28	5.22	6.03	PASS
Highest CH	4.64	5.01	5.51	5.94	
Mode					
Mod.	64C	AM			Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.14	6.43	-	-	
Middle CH	6.14	6.55	-	-	PASS
Highest CH	6.41	6.41	-	-	

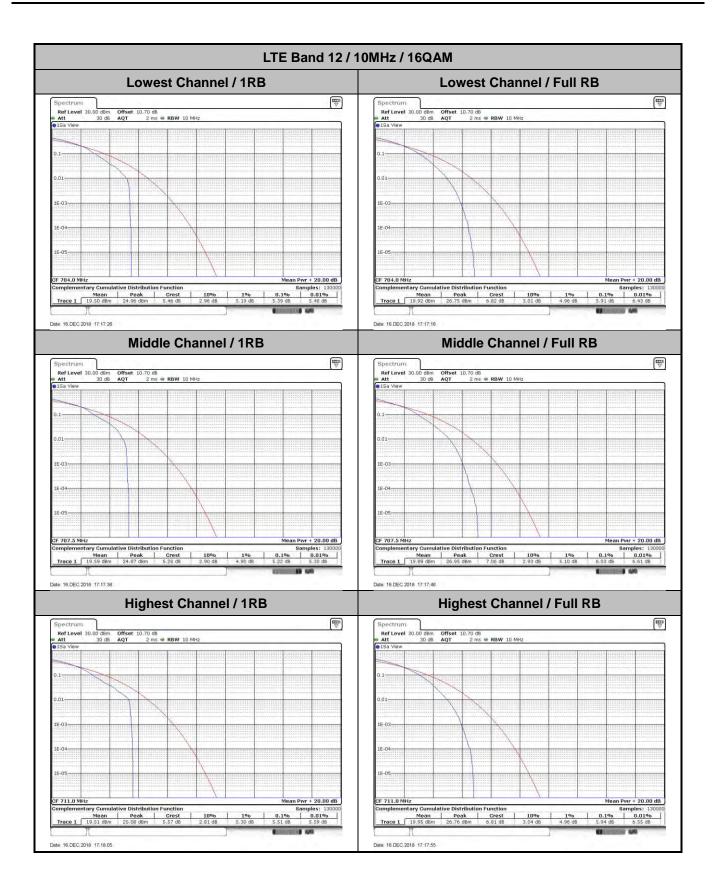
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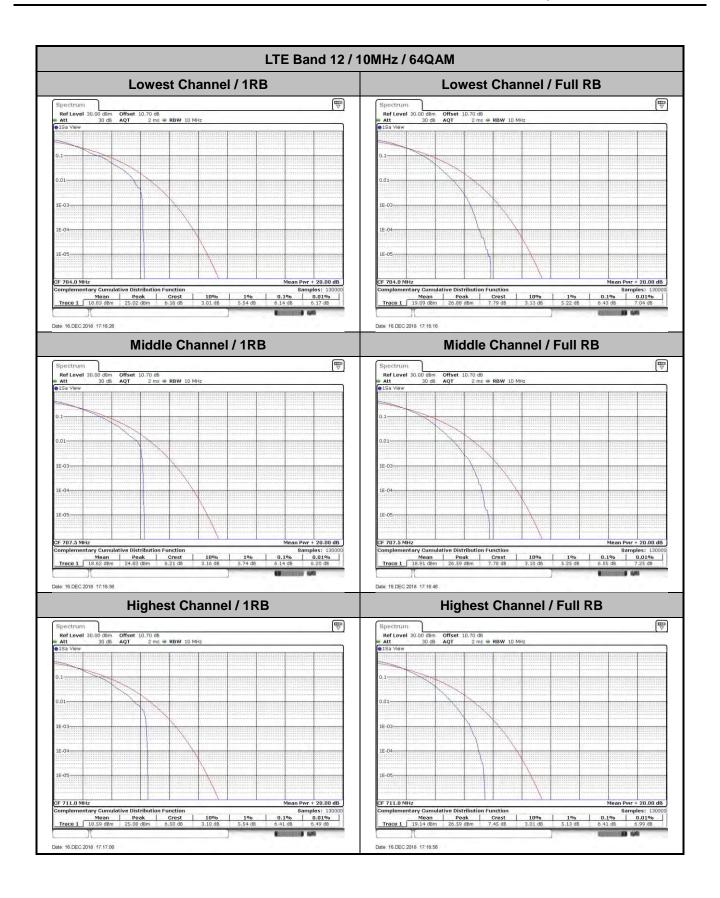




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26dB Bandwidth

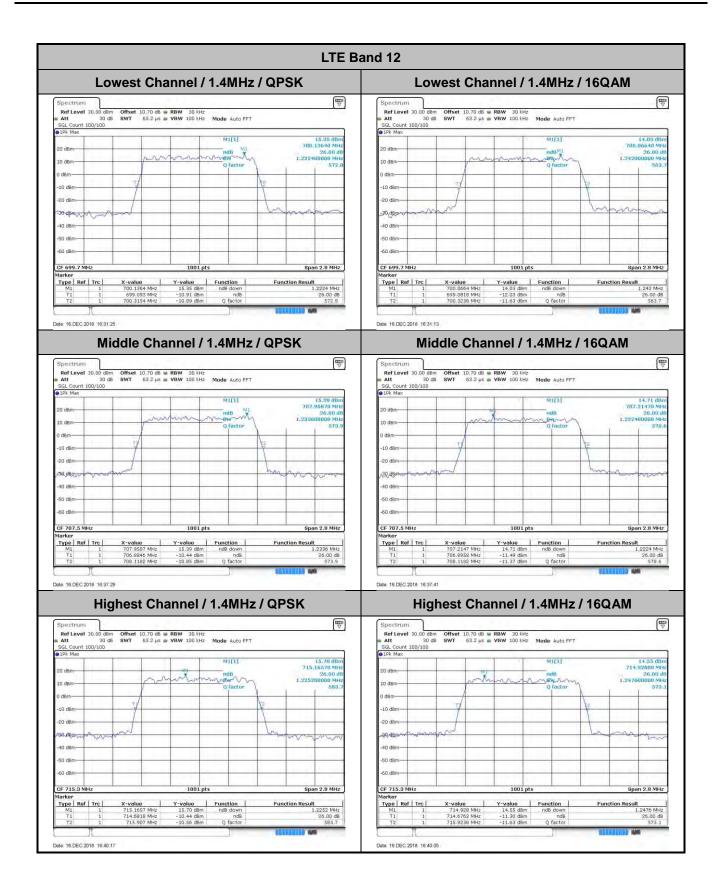
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.24	3.03	2.99	4.88	4.91	9.93	9.97	-	-	-	-
Middle CH	1.23	1.22	3.01	3.08	4.90	4.98	9.91	9.79	-	-	-	-
Highest CH	1.23	1.25	3.04	3.05	4.78	4.89	9.79	9.75	-	-	-	-
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.21	-	2.99	-	4.93	-	9.87	-	-	-	-	-
Middle CH	1.23	-	2.99	-	4.80	-	9.79	-	-	-	-	-
Highest CH	1.22	-	3.07	-	4.88	-	9.71	-	-	-	-	-

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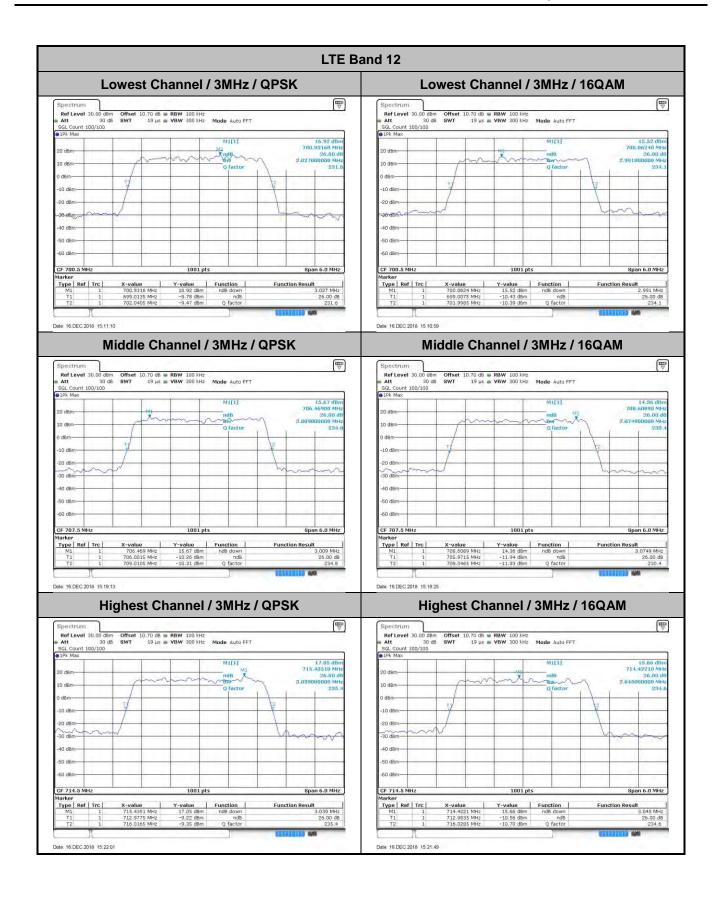
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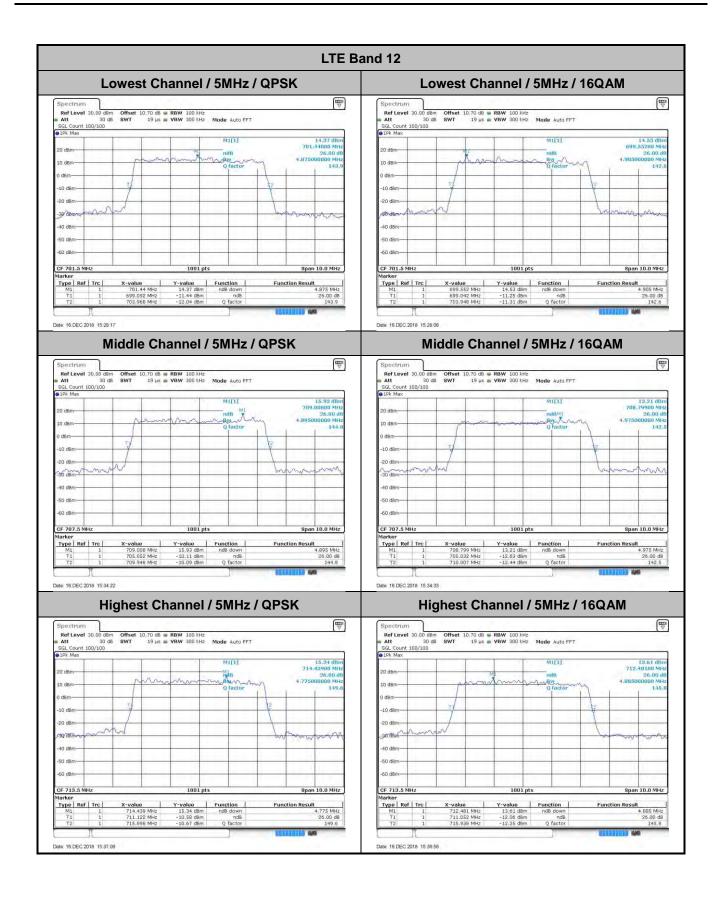


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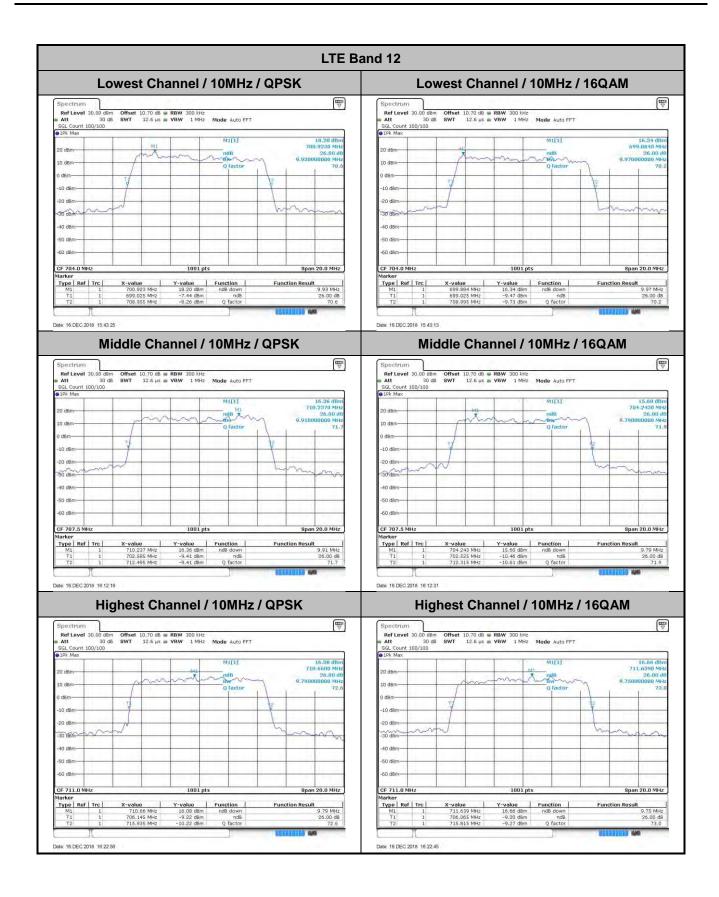




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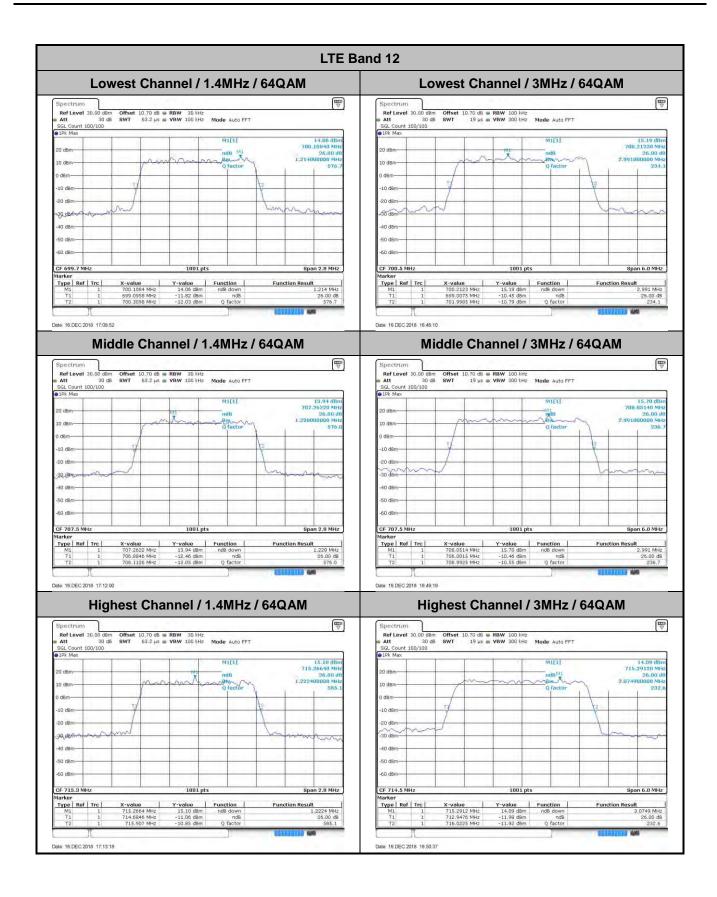


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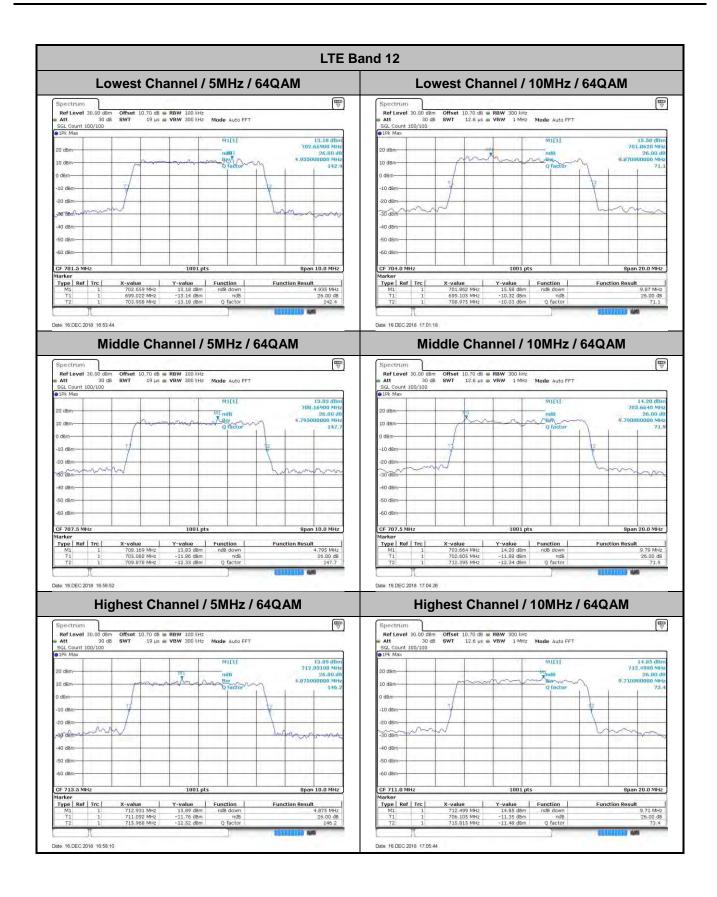
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Occupied Bandwidth

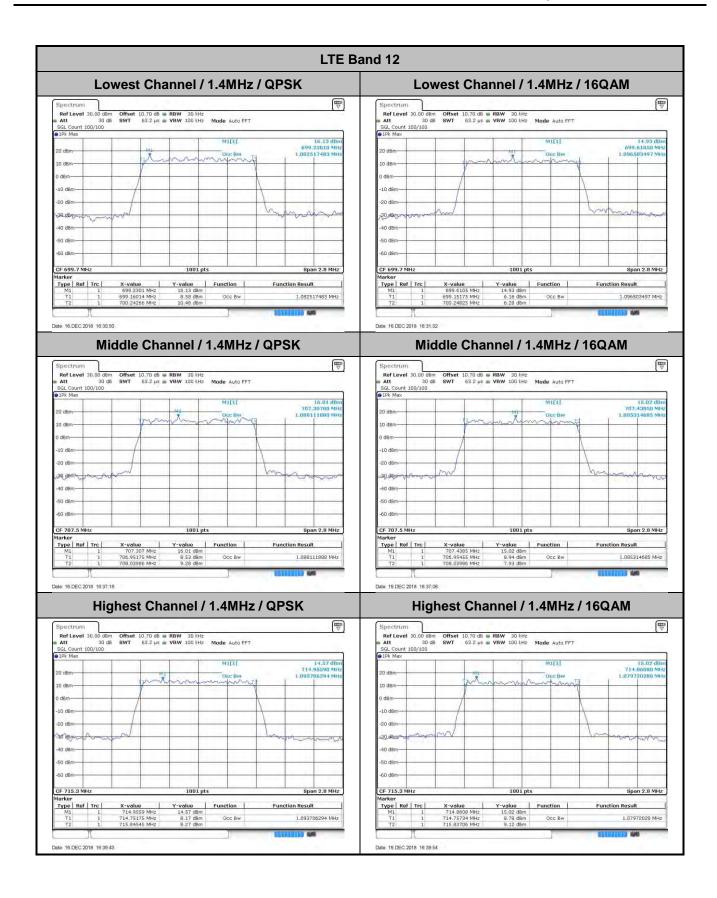
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4	ИНz	3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.1	2.73	2.7	4.47	4.47	8.97	8.99	-	-	-	-
Middle CH	1.09	1.09	2.74	2.72	4.5	4.5	9.03	9.07	-	-	-	-
Highest CH	1.09	1.08	2.73	2.74	4.52	4.46	8.97	9.03	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.73	-	4.46	-	9.01	-	-	-	-	-
Middle CH	1.09	-	2.72	-	4.49	-	9.09	-	-	-	-	-
Highest CH	1.09	-	2.73	-	4.48	-	8.99	-	-	-	-	-

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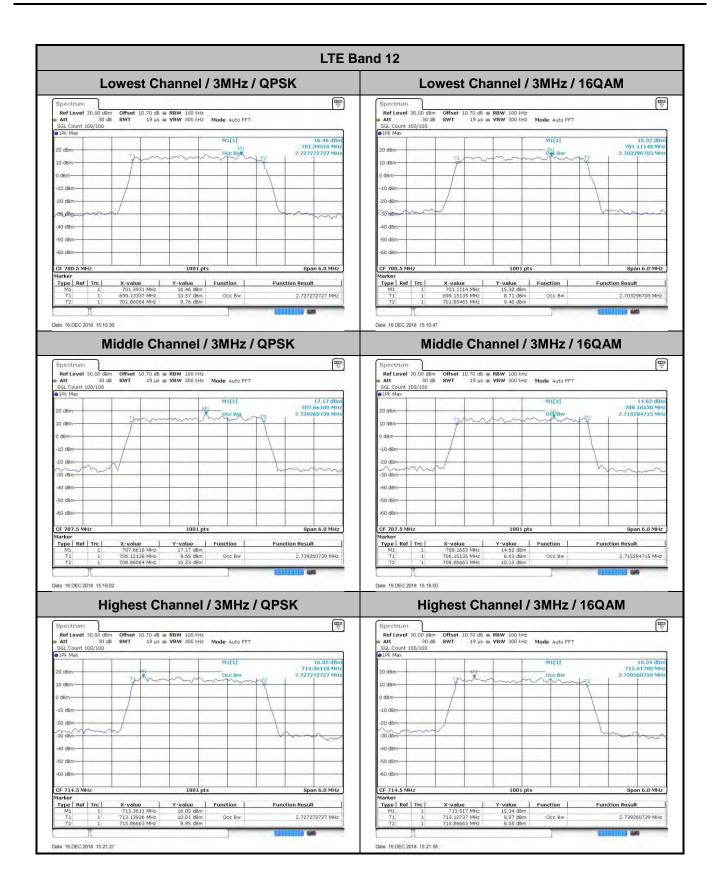
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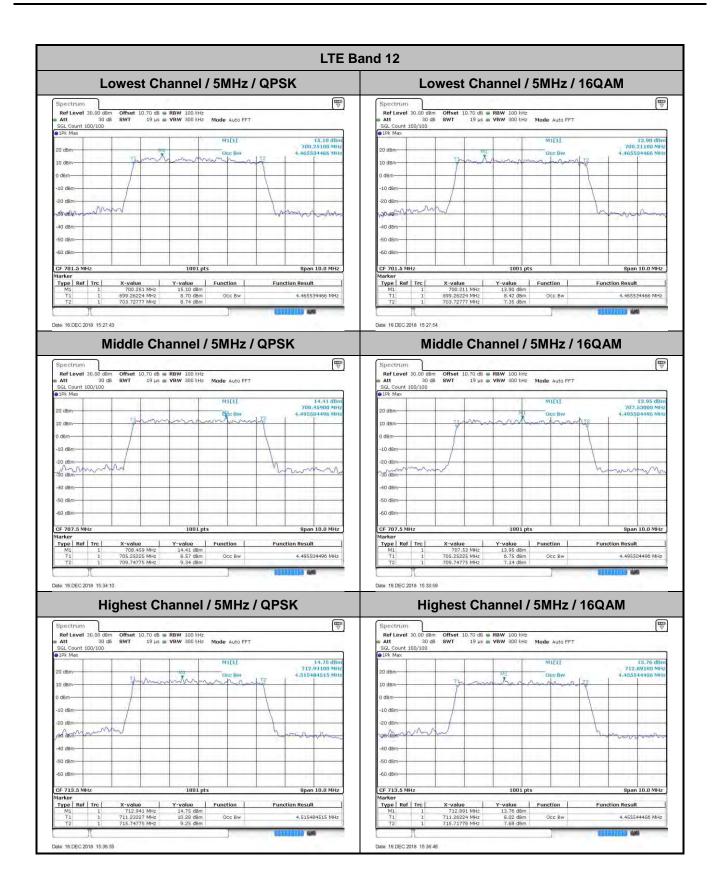
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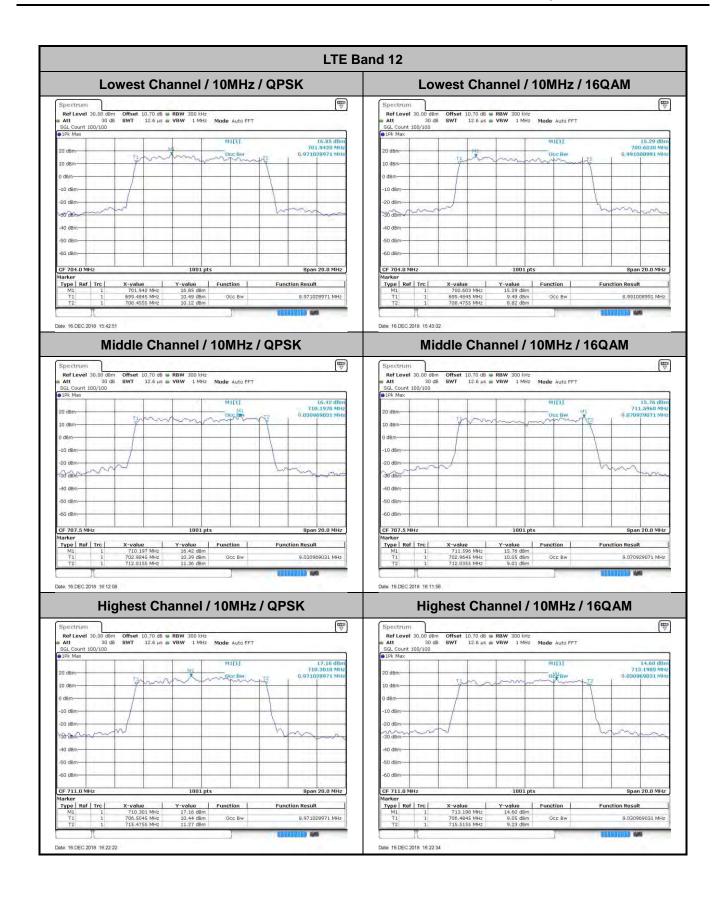


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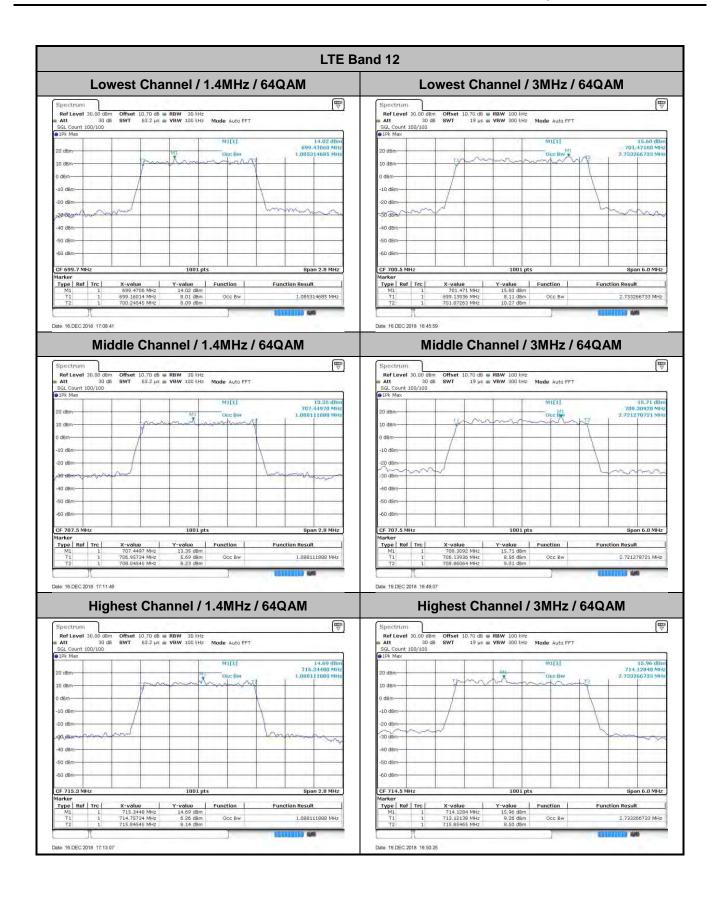


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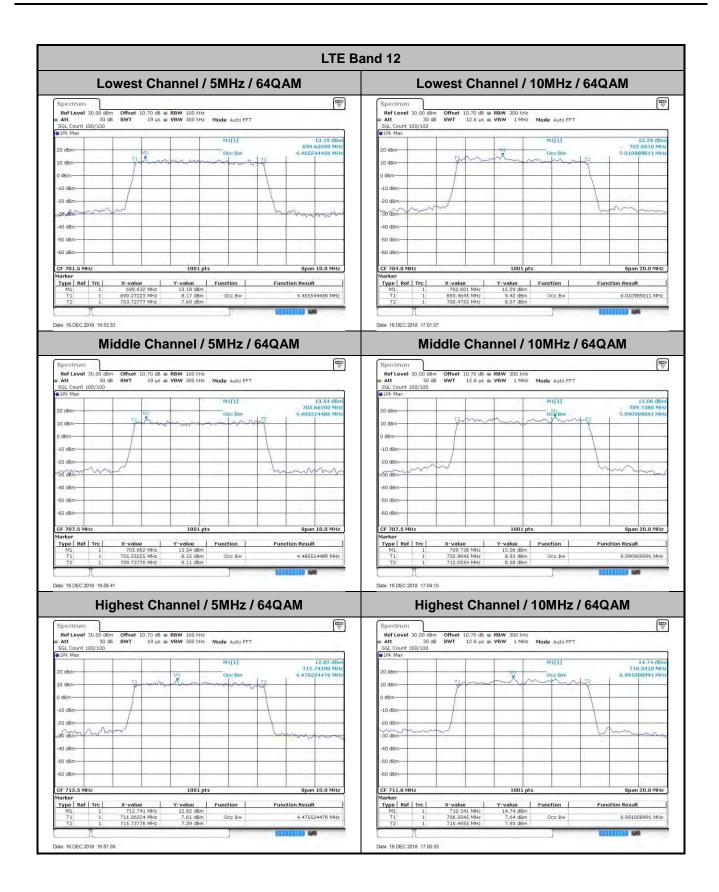


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