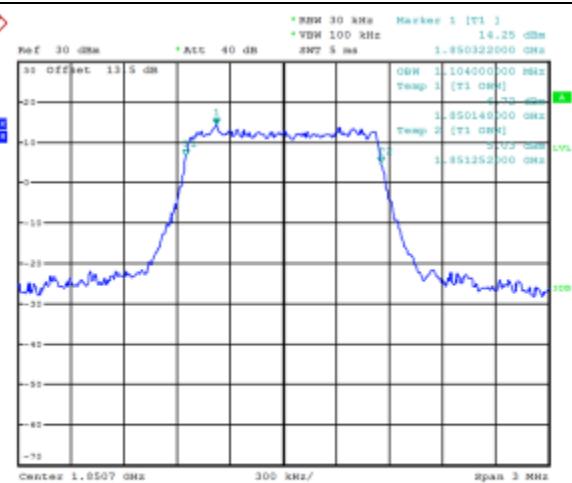
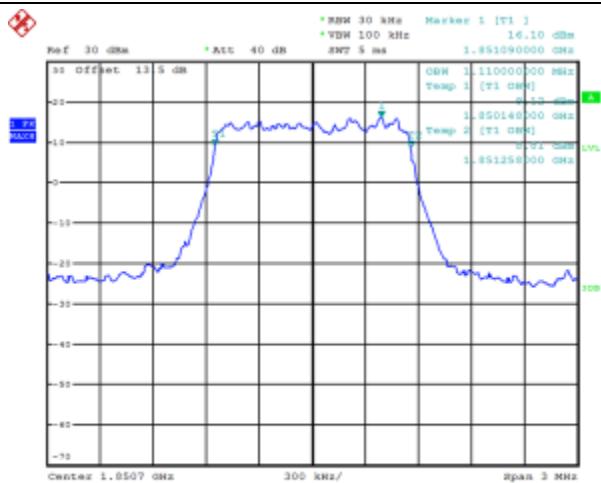


LTE FDD Band 2					
Nominal Bandwidth	Modulation	Test Item	Test result(MHz)		
			LCH	MCH	HCH
1.4 MHz	QPSK	OBW	1.110	1.110	1.104
		26dB bandwidth	1.332	1.314	1.314
	16QAM	OBW	1.104	1.104	1.104
		26dB bandwidth	1.344	1.338	1.326
3.0 MHz	QPSK	OBW	2.688	2.700	2.712
		26dB bandwidth	2.988	2.988	2.988
	16QAM	OBW	2.688	2.688	2.688
		26dB bandwidth	2.976	2.988	2.940
5.0 MHz	QPSK	OBW	4.52	4.52	4.52
		26dB bandwidth	5.08	5.00	5.06
	16QAM	OBW	4.50	4.50	4.52
		26dB bandwidth	5.02	4.96	4.98
10.0 MHz	QPSK	OBW	8.96	8.96	8.96
		26dB bandwidth	9.72	9.76	9.64
	16QAM	OBW	8.96	8.96	8.92
		26dB bandwidth	9.72	9.72	9.68
15.0 MHz	QPSK	OBW	13.50	13.56	13.50
		26dB bandwidth	15.06	14.76	14.94
	16QAM	OBW	13.50	13.50	13.50
		26dB bandwidth	15.00	15.00	14.82
20.0 MHz	QPSK	OBW	17.92	18.00	17.92
		26dB bandwidth	19.28	19.52	19.36
	16QAM	OBW	17.92	18.00	17.84
		26dB bandwidth	1936	19.52	19.36

LTE FDD Band 4					
Nominal Bandwidth	Modulation	Test Item	Test result(MHz)		
			LCH	MCH	HCH
1.4 MHz	QPSK	OBW	1.104	1.104	1.104
		26dB bandwidth	1.326	1.326	1.326
	16QAM	OBW	1.104	1.098	1.104
		26dB bandwidth	1.320	1.326	1.332
3.0 MHz	QPSK	OBW	2.700	2.700	2.712
		26dB bandwidth	2.988	2.988	2.976
	16QAM	OBW	2.688	2.688	2.688
		26dB bandwidth	2.976	2.964	2.976
5.0 MHz	QPSK	OBW	4.52	4.50	4.52
		26dB bandwidth	5.02	5.02	5.08
	16QAM	OBW	4.50	4.50	4.50
		26dB bandwidth	4.98	5.02	5.02
10.0 MHz	QPSK	OBW	8.96	8.96	8.96
		26dB bandwidth	9.68	9.76	9.72
	16QAM	OBW	8.96	8.92	8.96
		26dB bandwidth	9.76	9.68	9.68
15.0 MHz	QPSK	OBW	13.50	13.50	13.50
		26dB bandwidth	14.82	15.00	14.88
	16QAM	OBW	13.50	13.56	13.50
		26dB bandwidth	15.00	14.82	14.94
20.0 MHz	QPSK	OBW	18.00	17.94	17.94
		26dB bandwidth	19.38	19.56	19.32
	16QAM	OBW	18.06	18.00	17.94
		26dB bandwidth	19.44	19.32	18.90

LTE FDD Band 5					
Nominal Bandwidth	Modulation	Test Item	Test result(MHz)		
			LCH	MCH	HCH
1.4 MHz	QPSK	OBW	1.098	1.098	1.098
		26dB bandwidth	1.272	1.284	1.296
	16QAM	OBW	1.104	1.098	1.098
		26dB bandwidth	1.314	1.290	1.308
3.0 MHz	QPSK	OBW	2.700	2.688	2.688
		26dB bandwidth	2.964	2.976	2.988
	16QAM	OBW	2.688	2.688	2.688
		26dB bandwidth	2.964	2.928	2.964
5.0 MHz	QPSK	OBW	4.52	4.52	4.50
		26dB bandwidth	5.06	5.00	5.00
	16QAM	OBW	4.50	4.52	4.48
		26dB bandwidth	4.98	4.98	4.96
10.0 MHz	QPSK	OBW	8.96	8.96	8.96
		26dB bandwidth	9.72	9.64	9.72
	16QAM	OBW	8.96	8.96	8.96
		26dB bandwidth	9.72	9.76	9.68
LTE FDD Band 17					
Nominal Bandwidth	Modulation	Test Item	Test result(MHz)		
			LCH	MCH	HCH
5.0 MHz	QPSK	OBW	4.50	4.52	4.52
		26dB bandwidth	5.00	5.04	5.02
	16QAM	OBW	4.50	4.50	4.50
		26dB bandwidth	4.98	5.02	5.00
10.0 MHz	QPSK	OBW	9.00	8.96	8.96
		26dB bandwidth	9.68	9.64	9.68
	16QAM	OBW	9.00	8.96	8.92
		26dB bandwidth	9.80	9.68	9.72

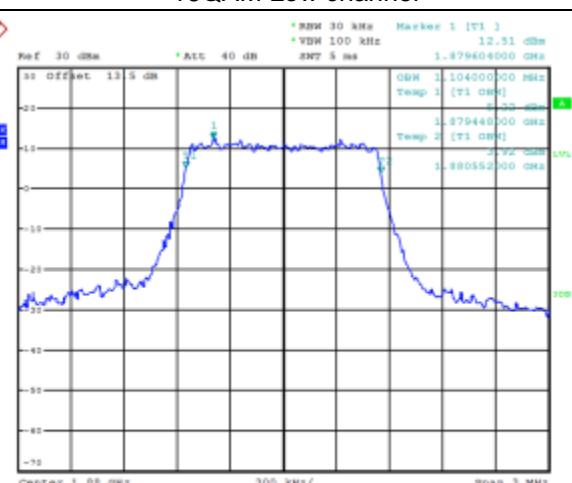
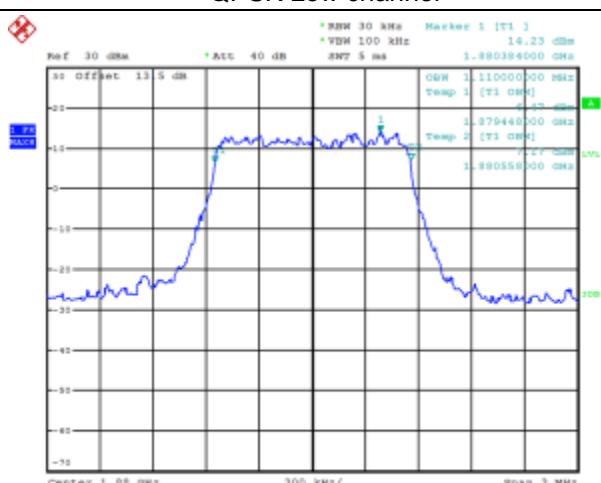
### LTE FDD Band 2, Nominal Bandwidth: 1.4MHz, OBW



Date: 27.DEC.2017 07:59:30

Date: 27.DEC.2017 08:06:38

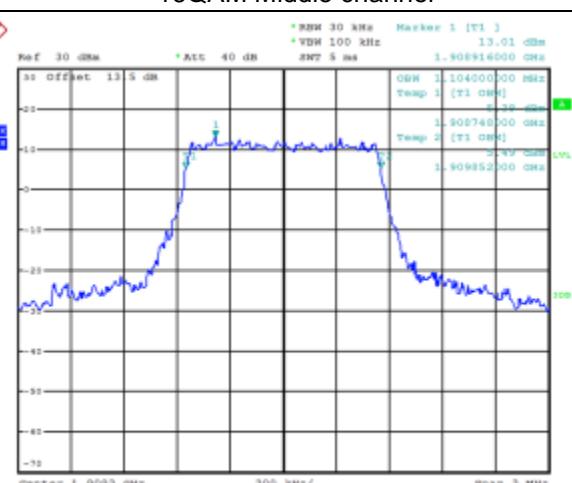
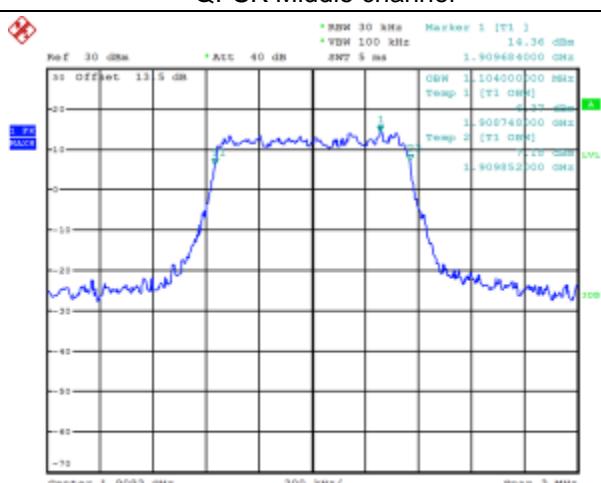
### QPSK Low channel



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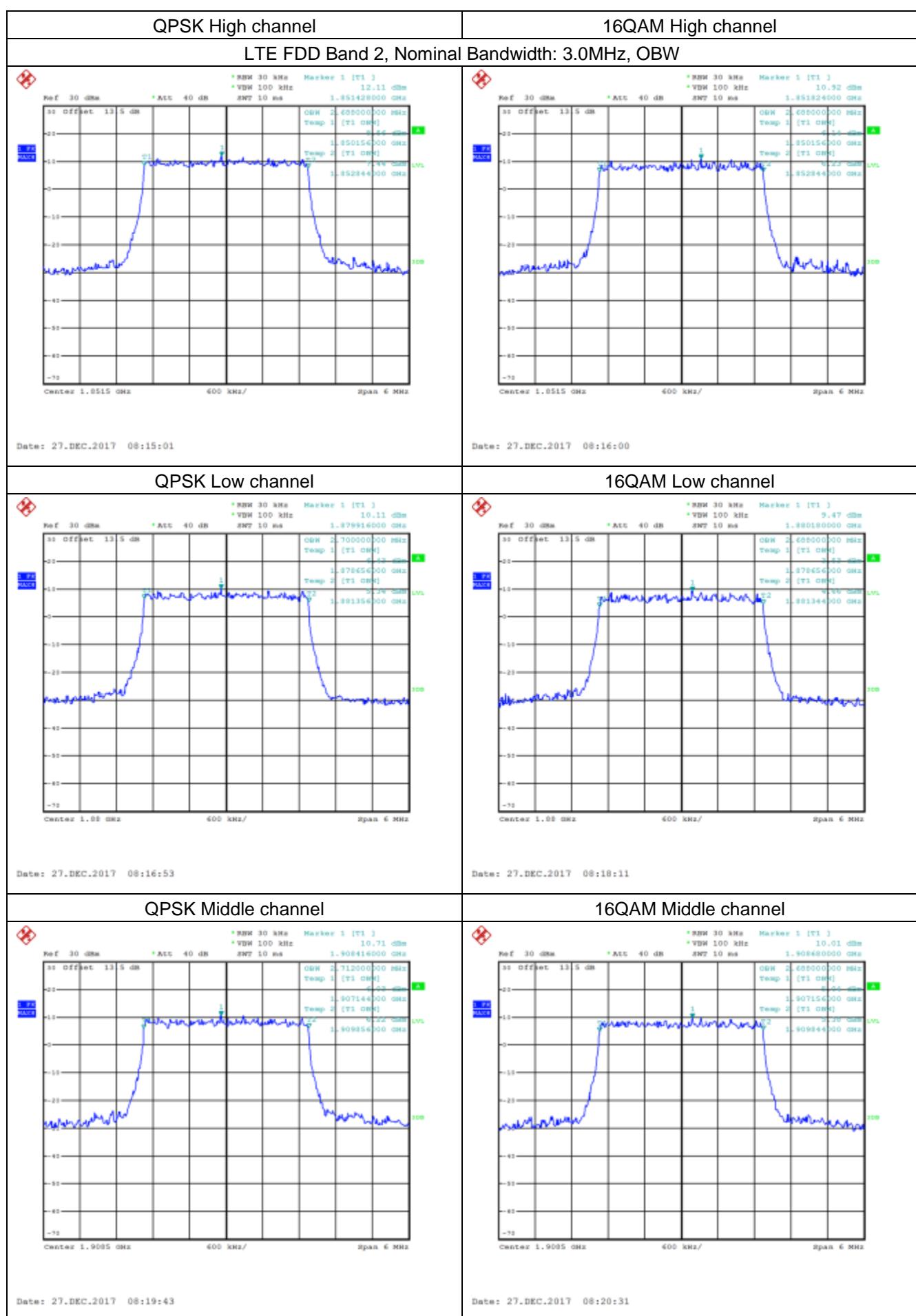
Date: 27.DEC.2017 08:10:11

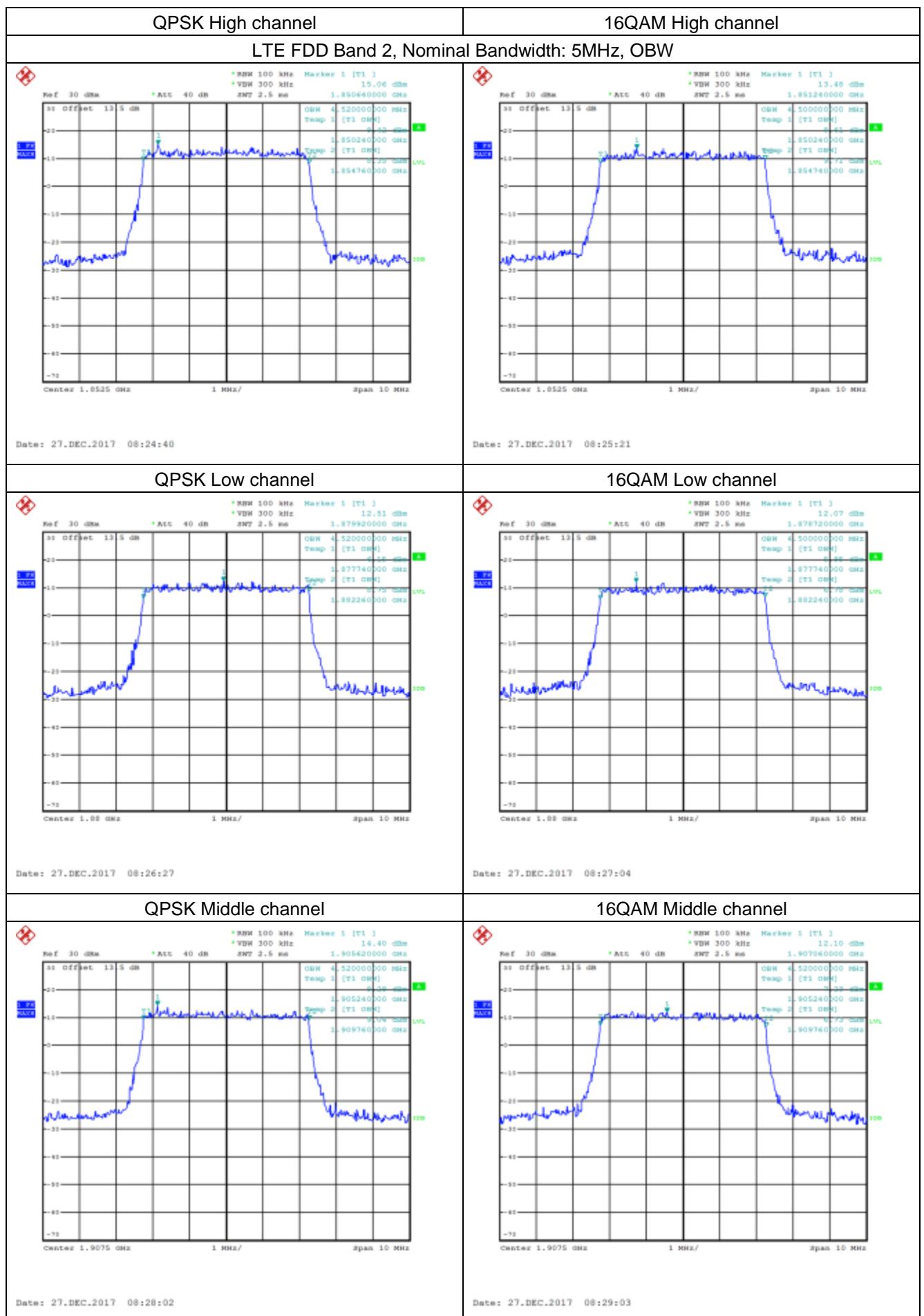
### QPSK Middle channel

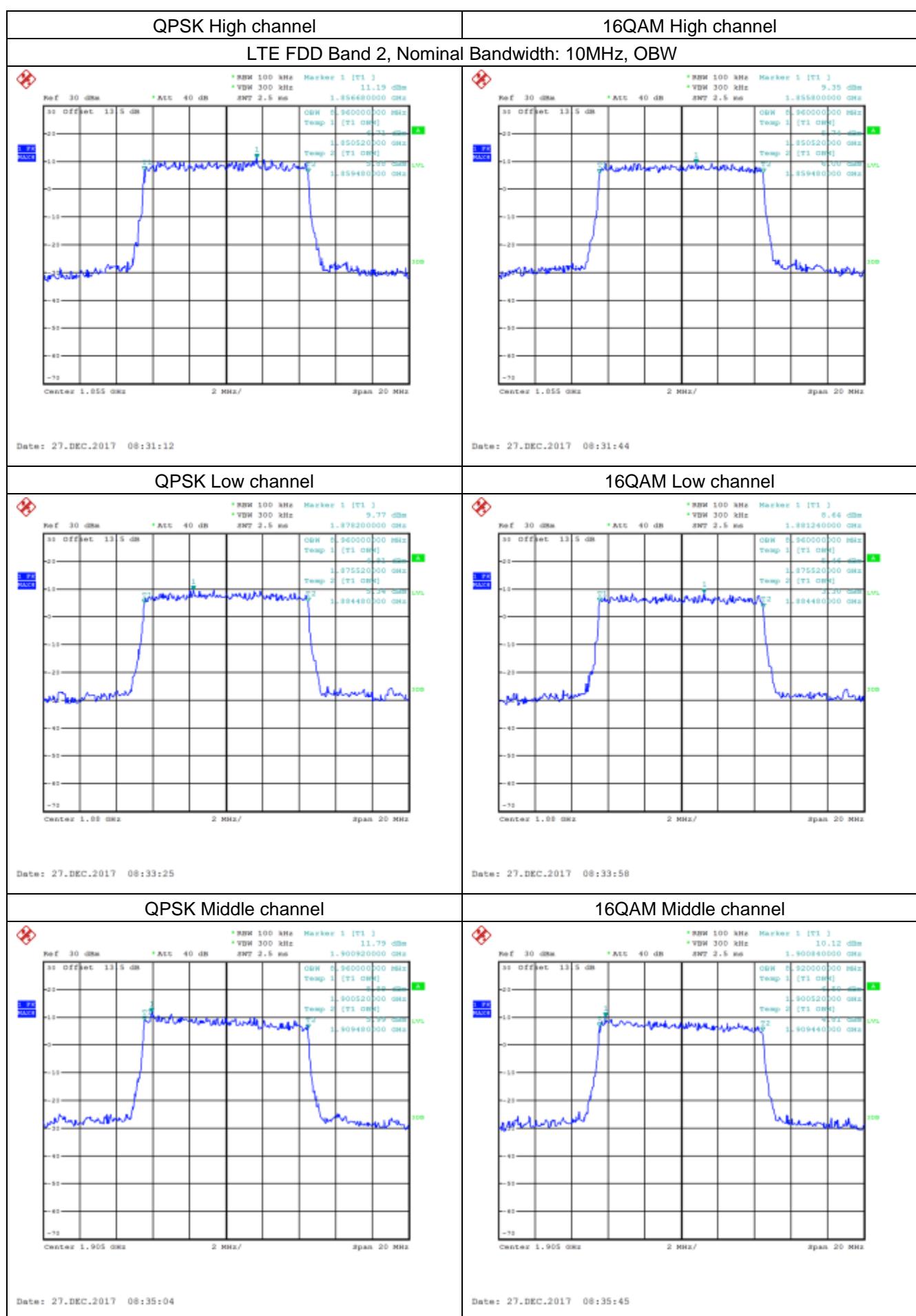


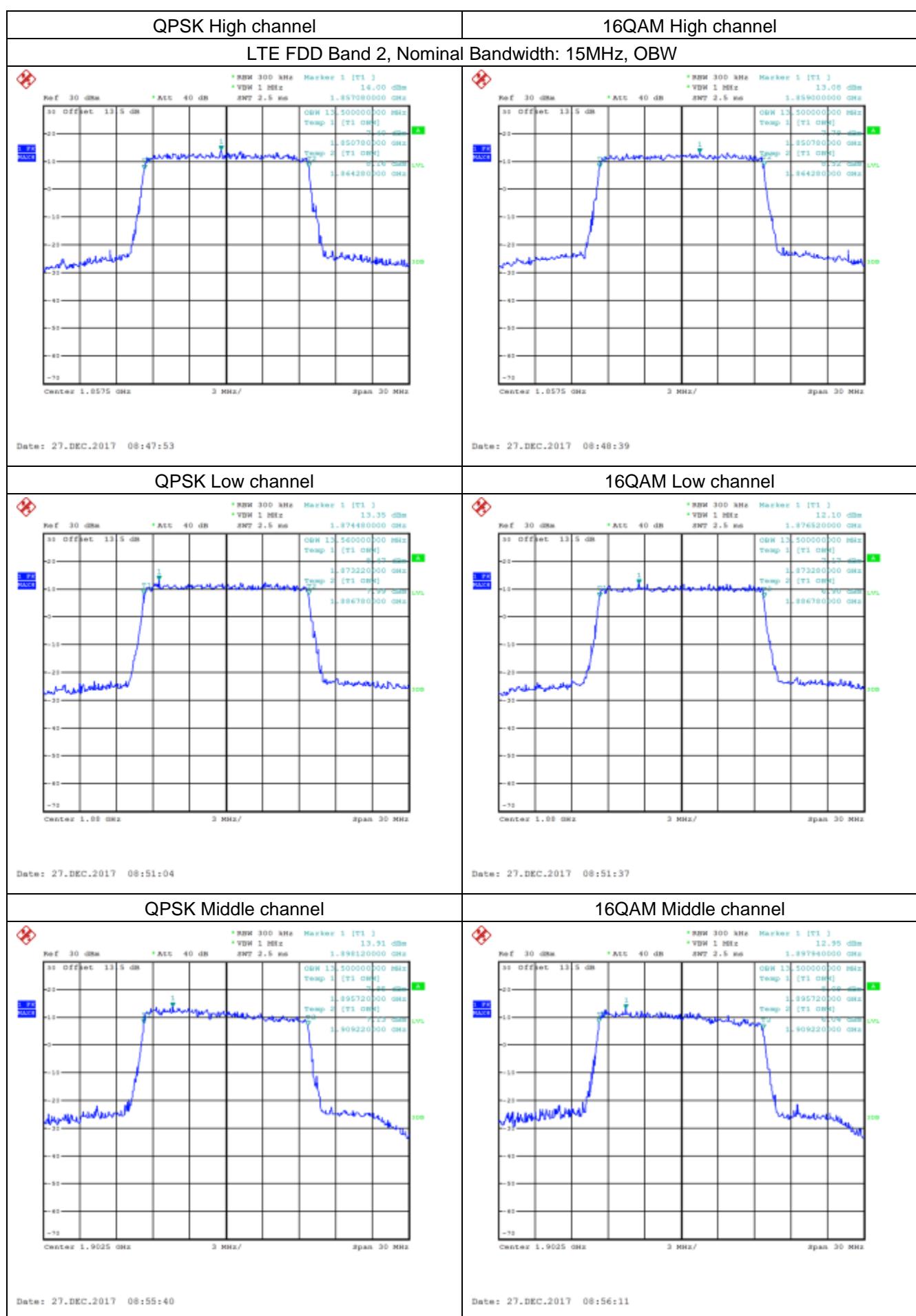
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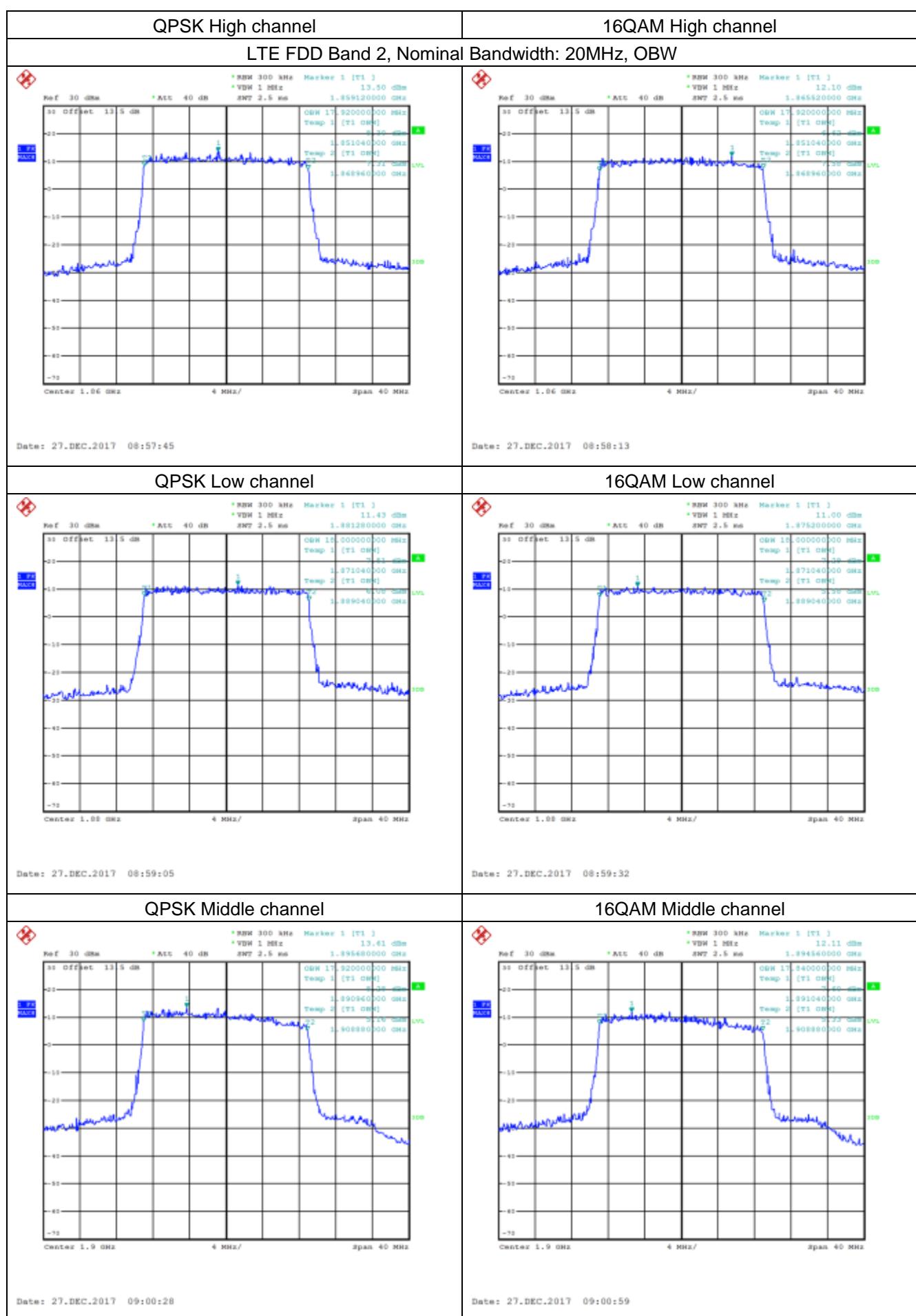
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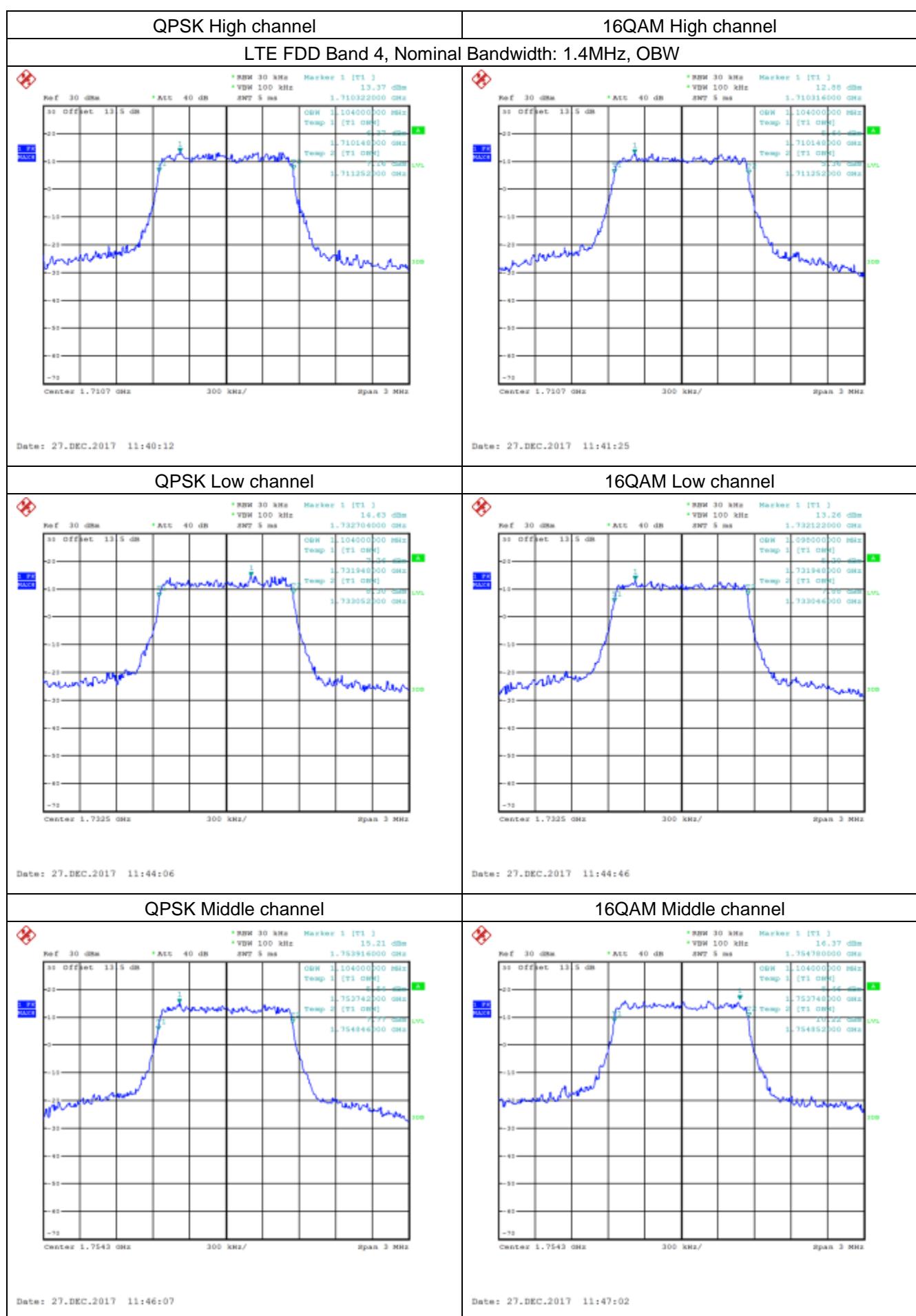


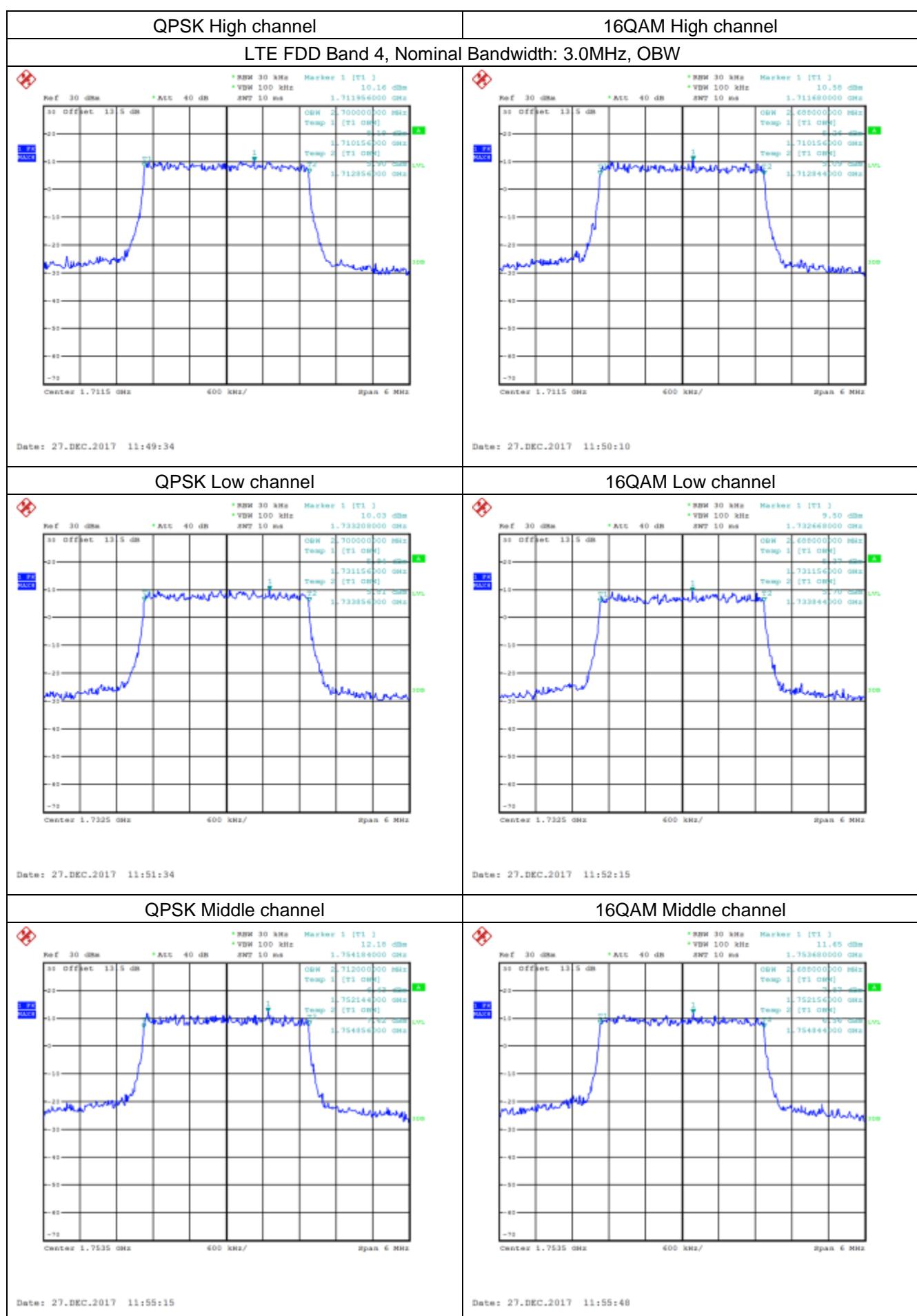


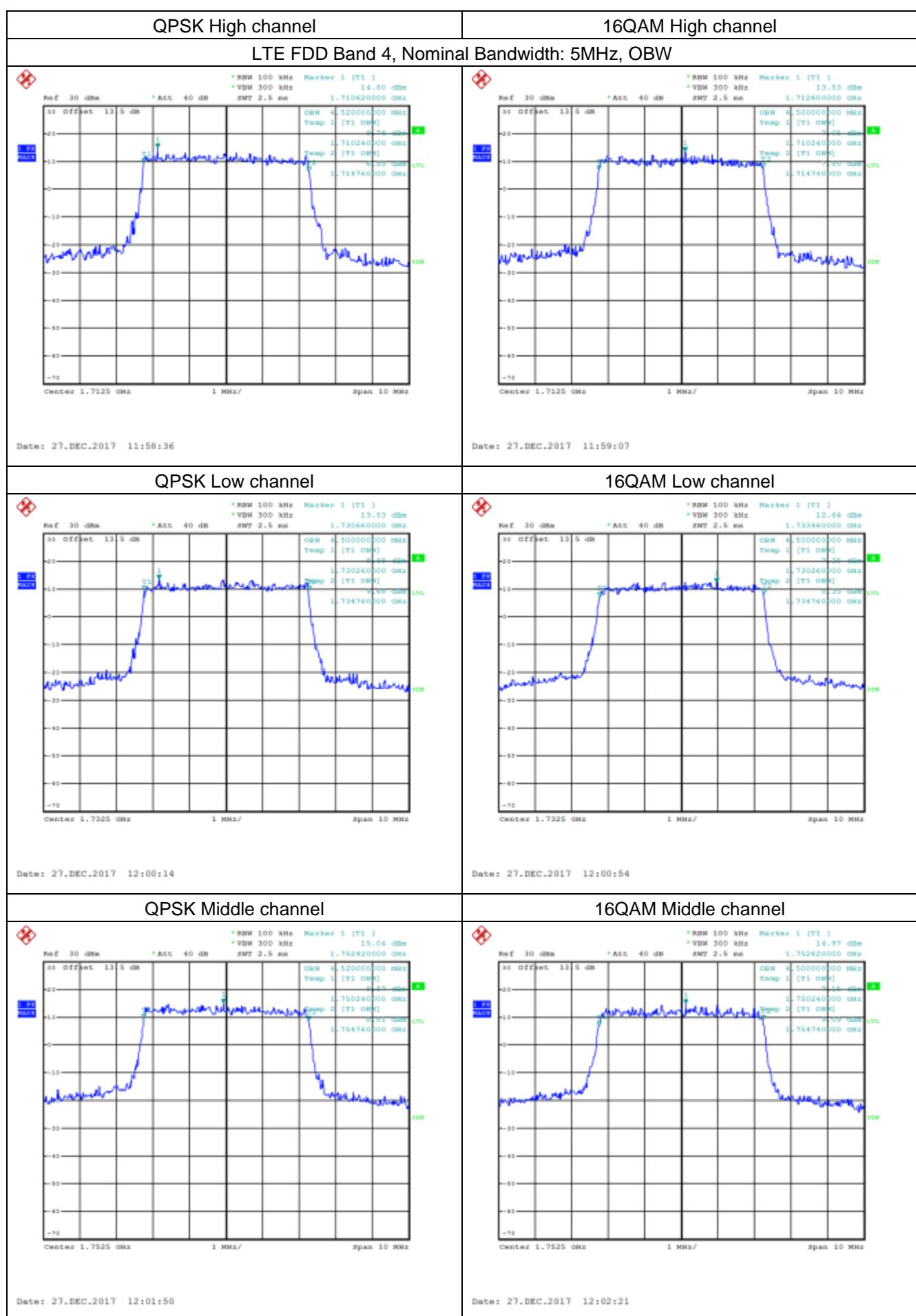


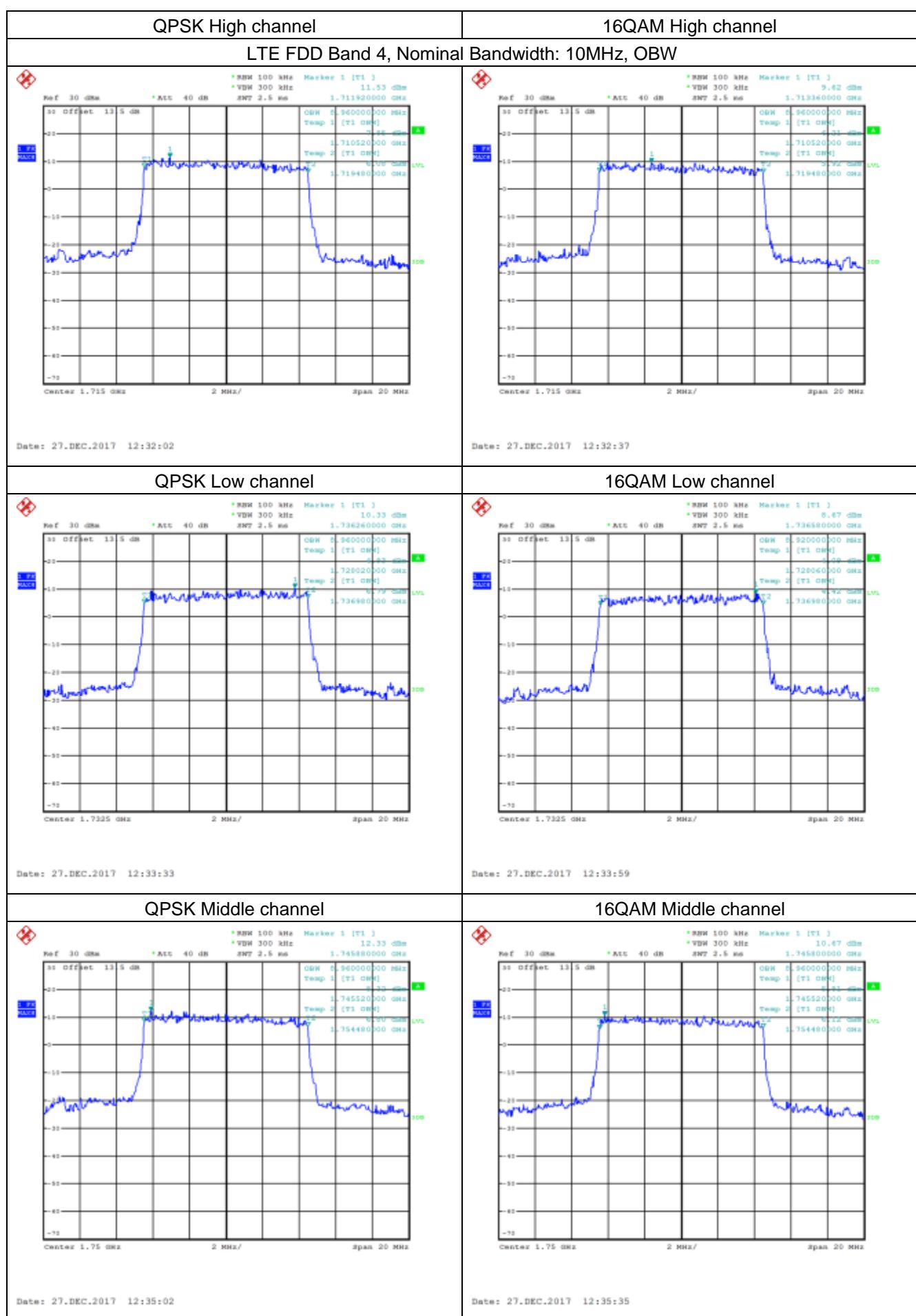


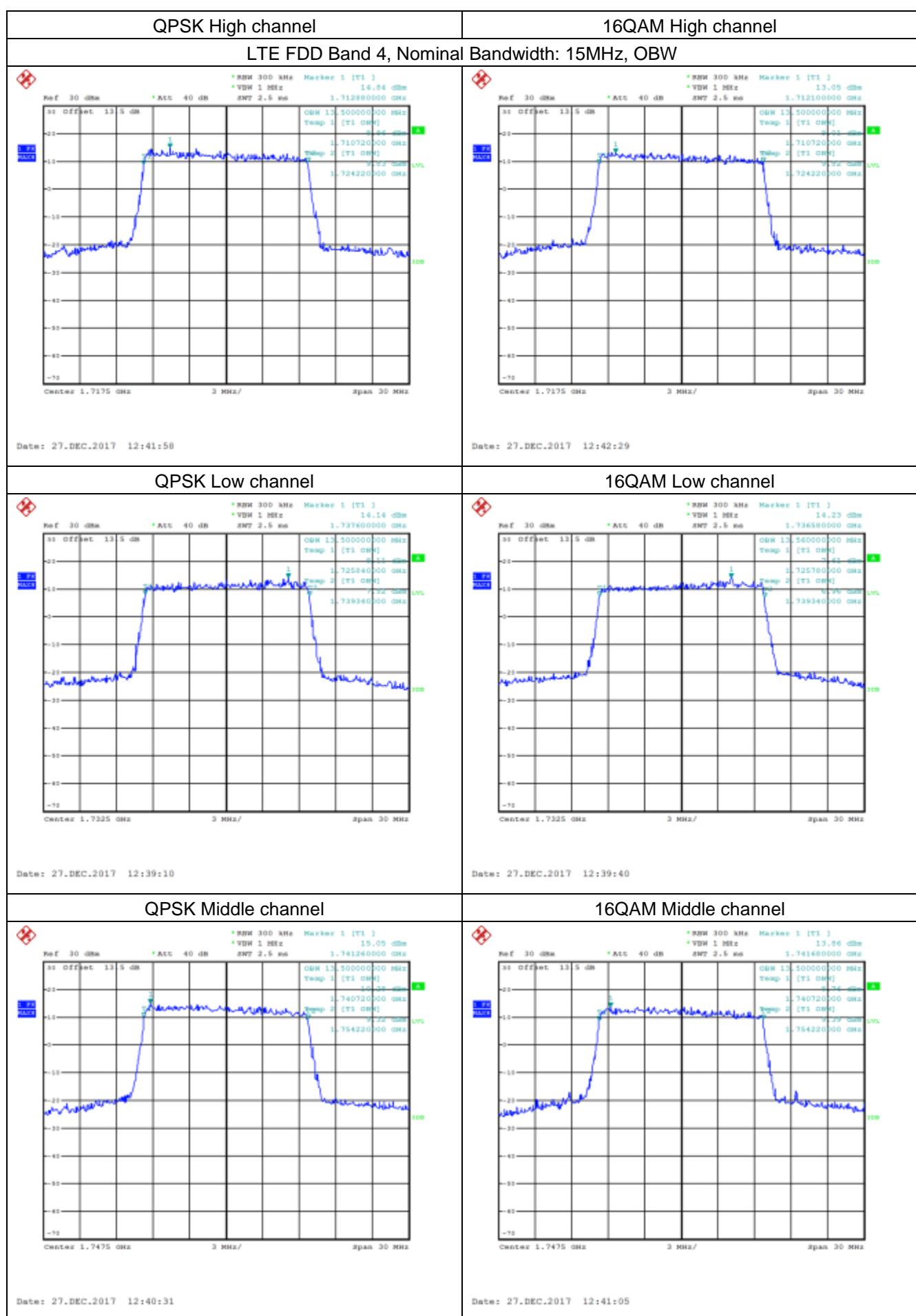


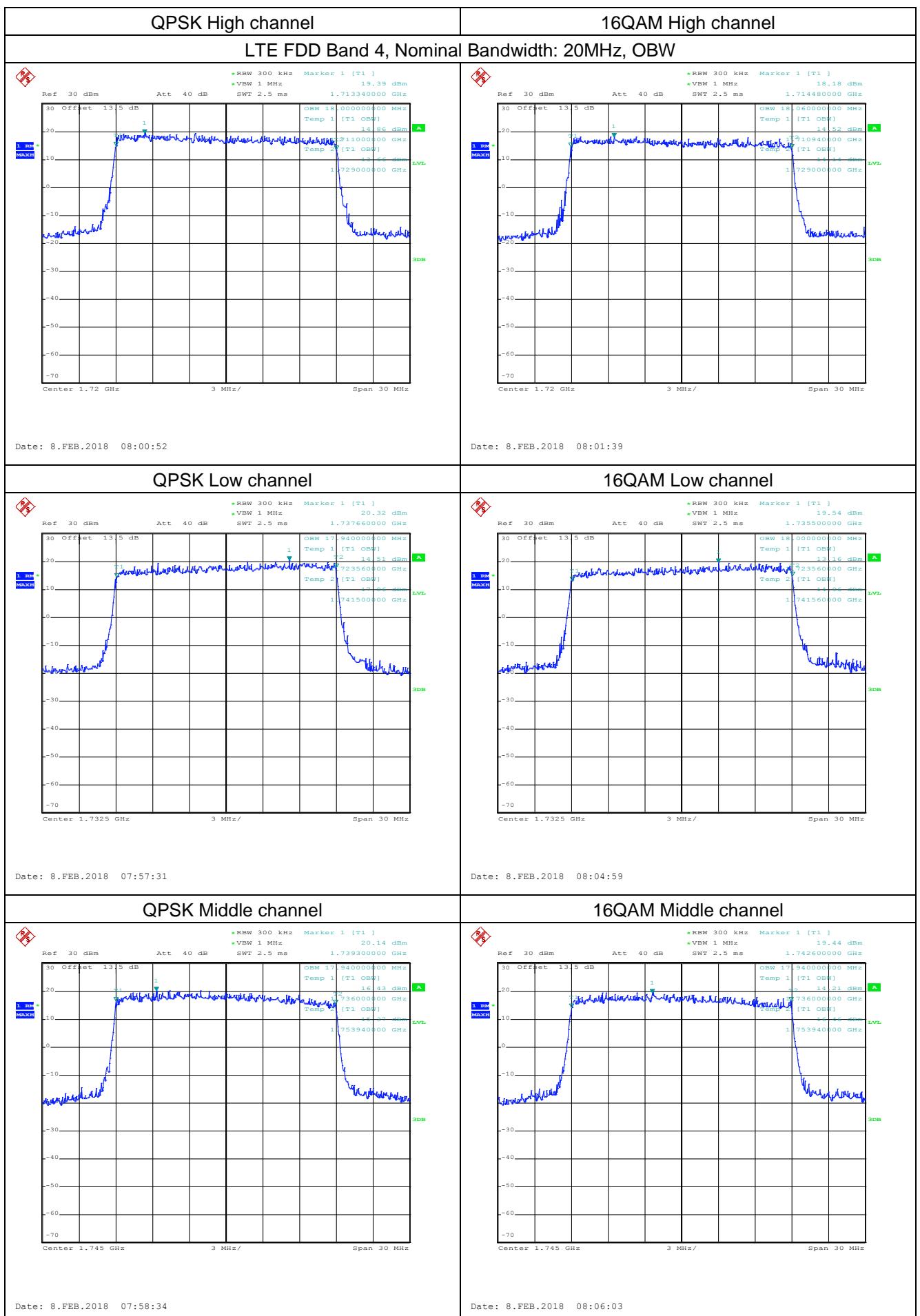


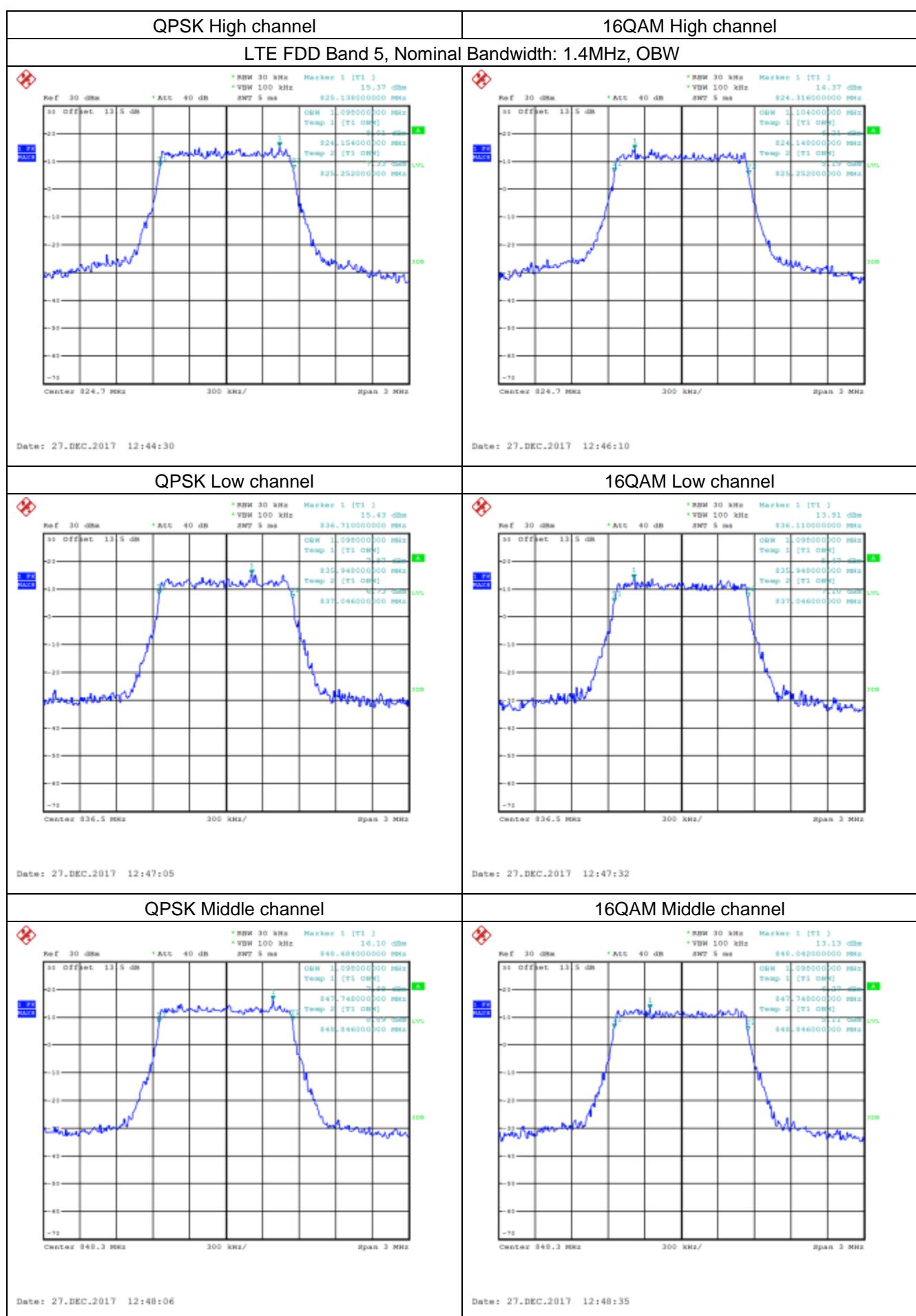


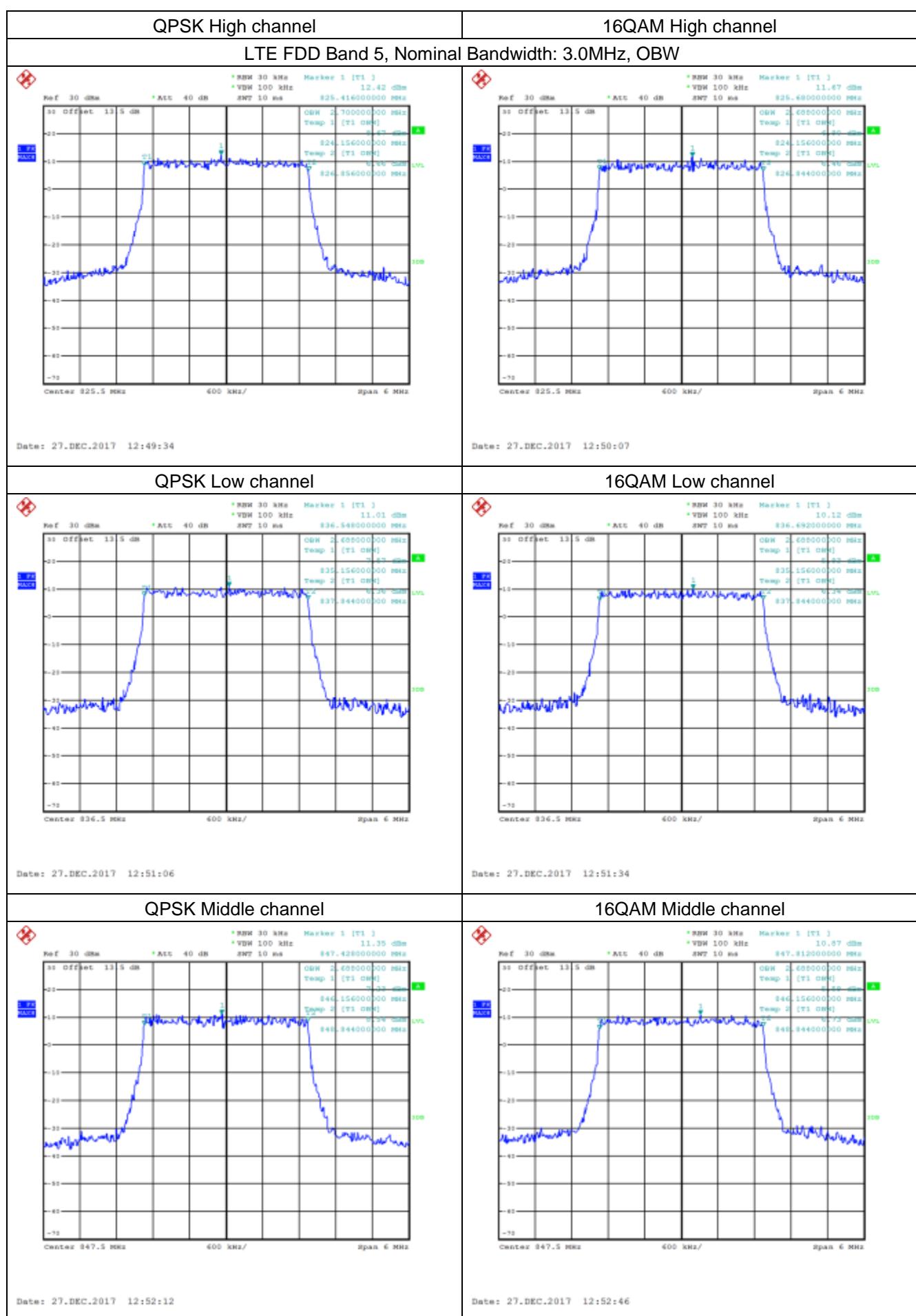


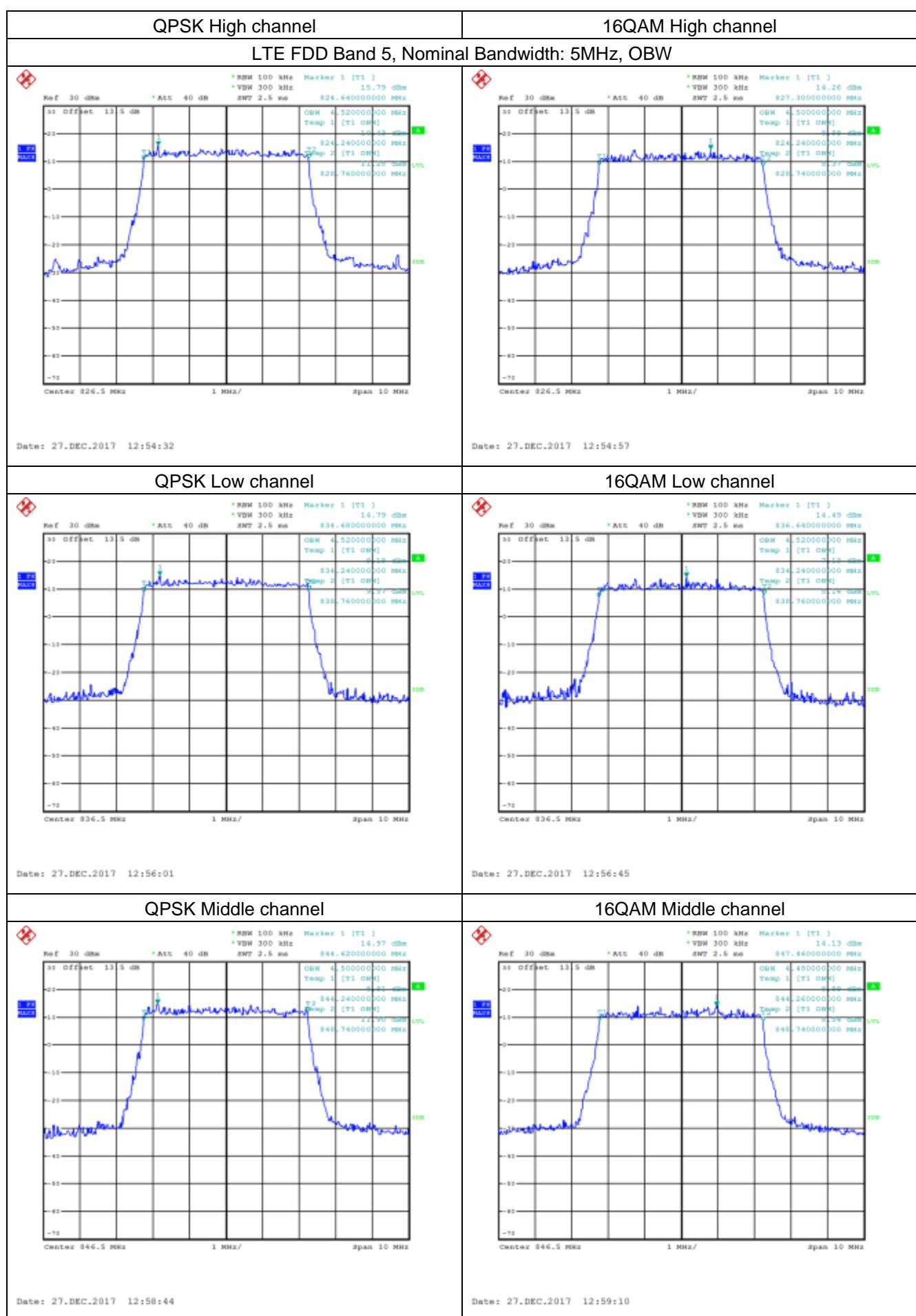


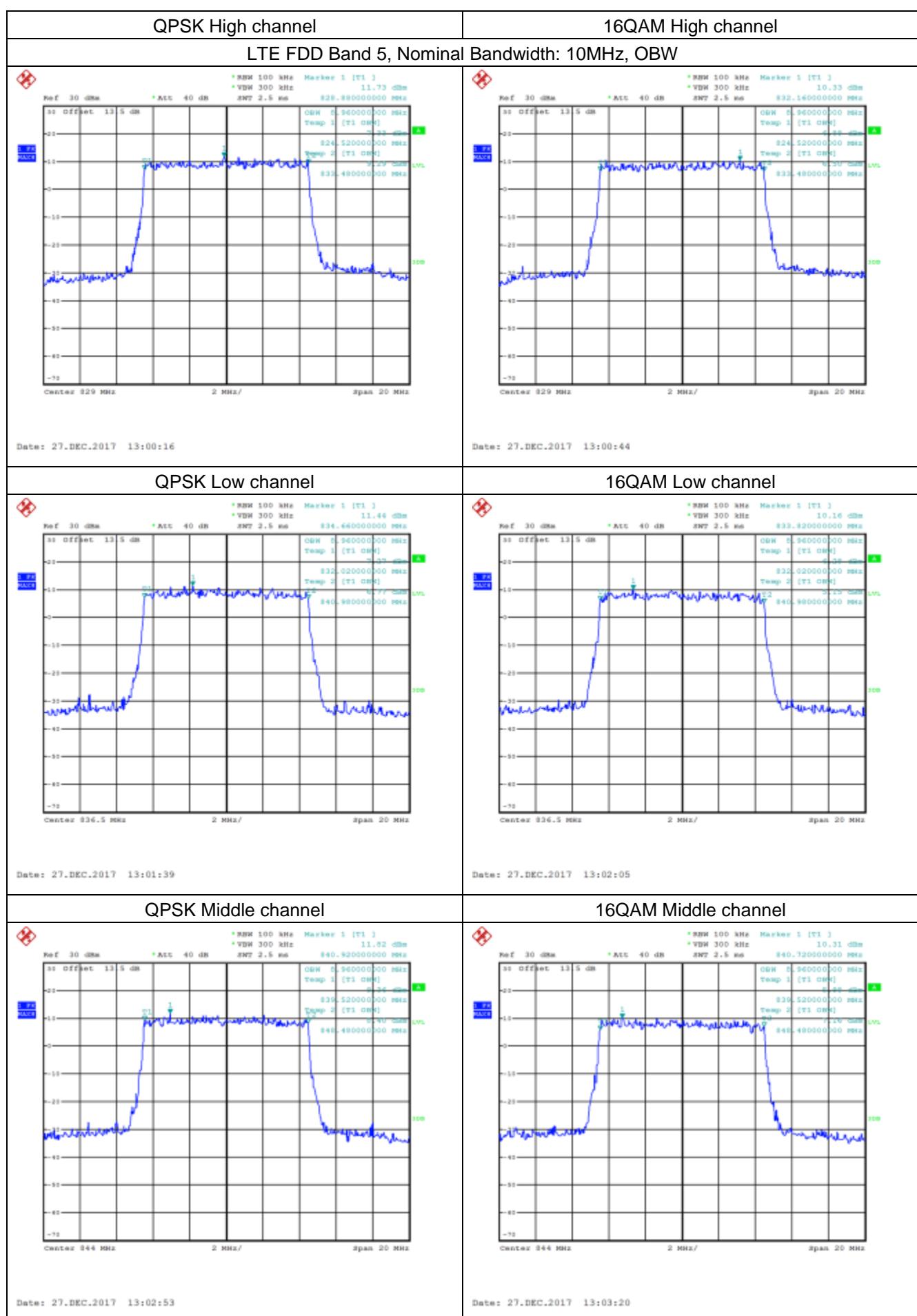


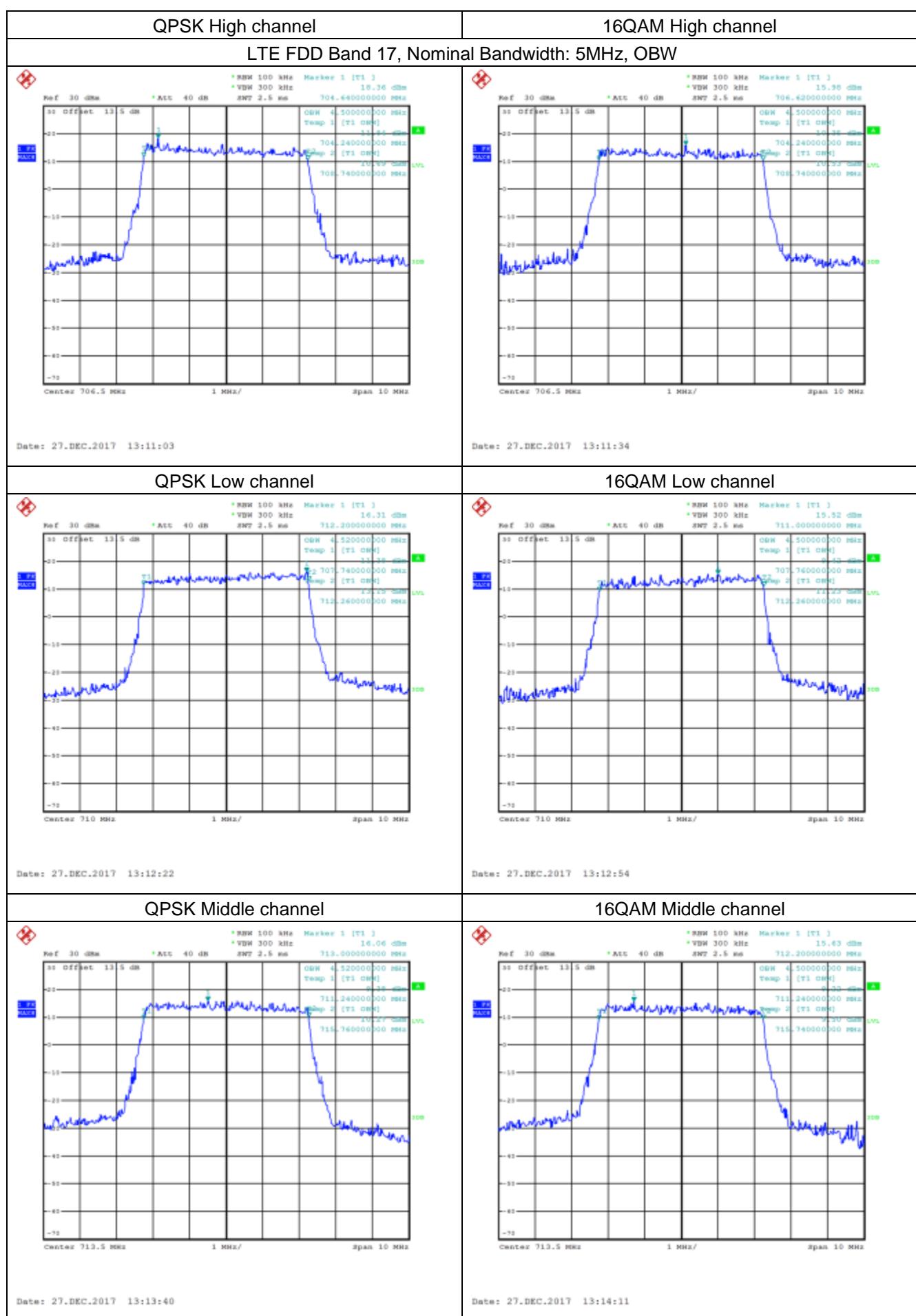


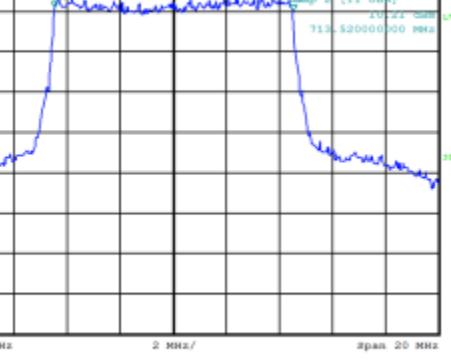
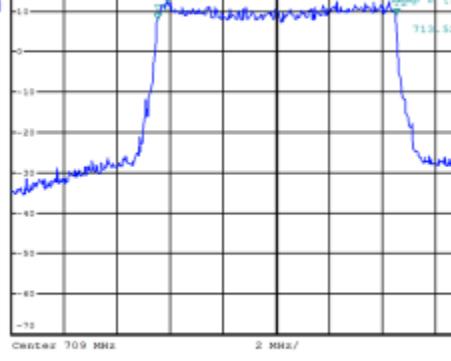
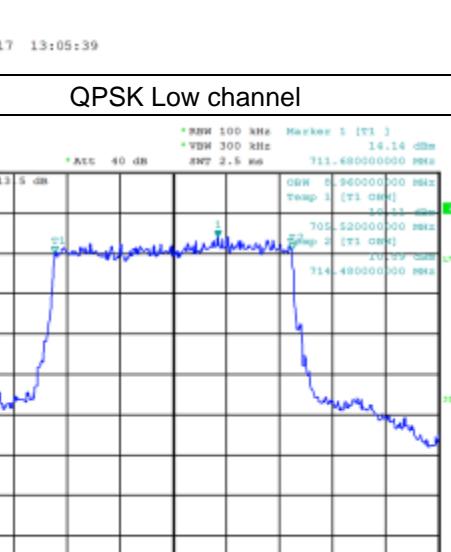
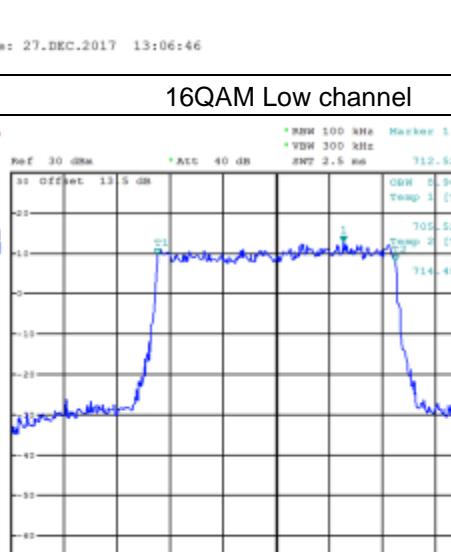
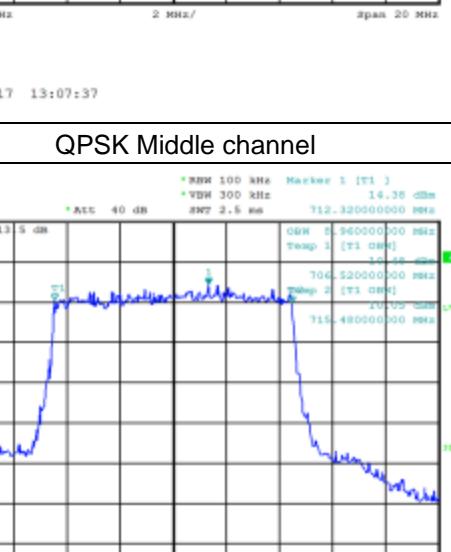
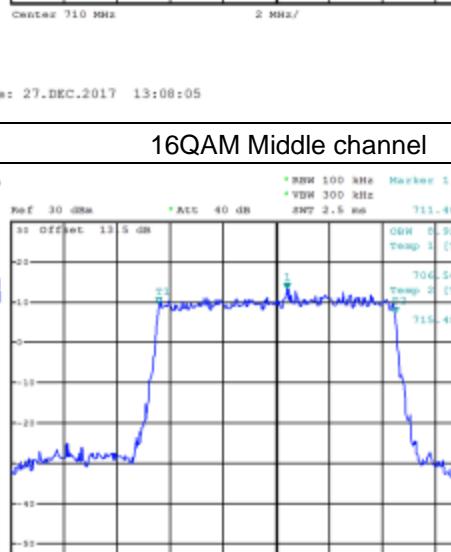


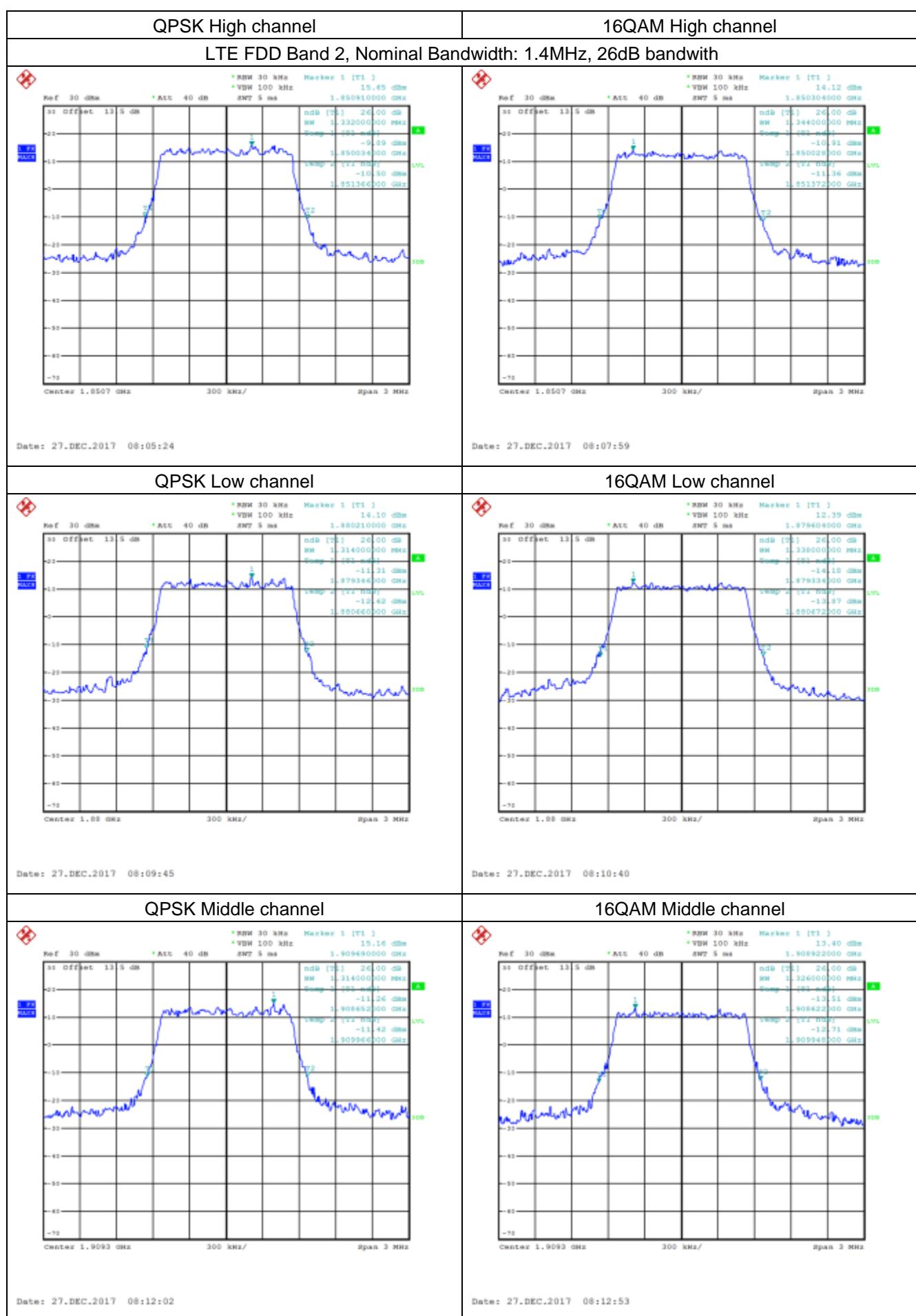


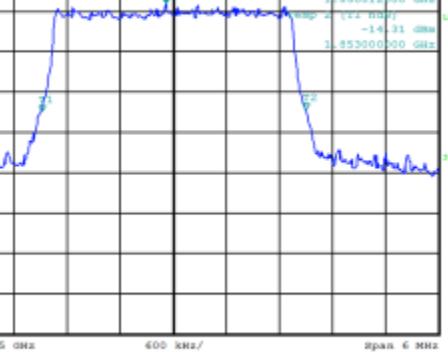
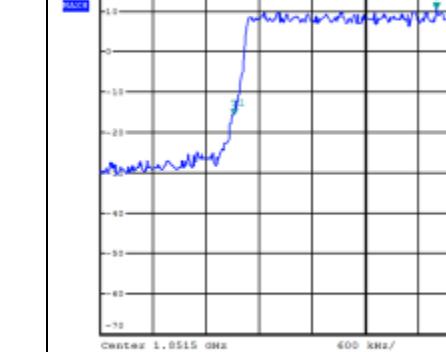
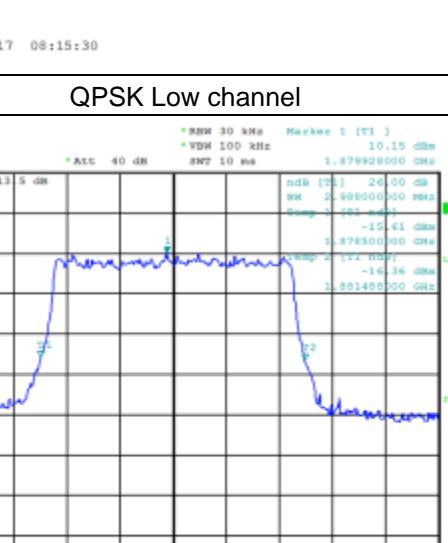
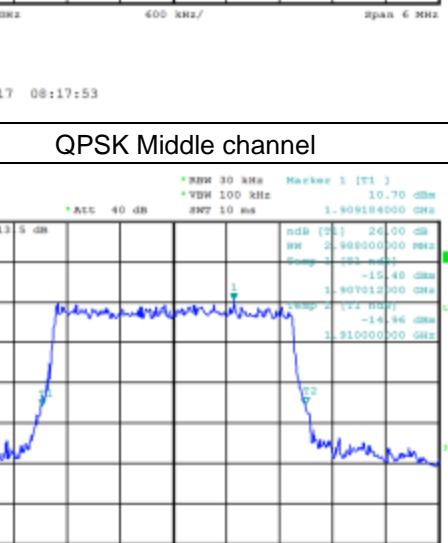
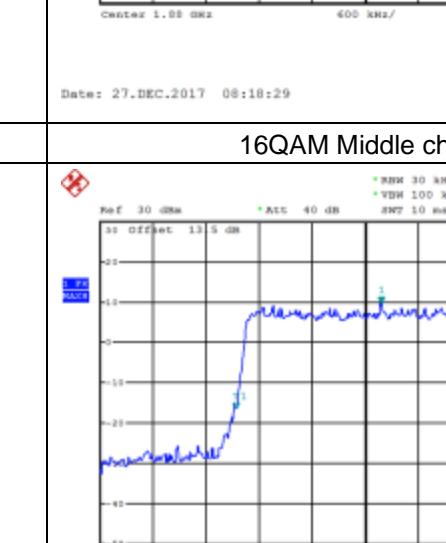




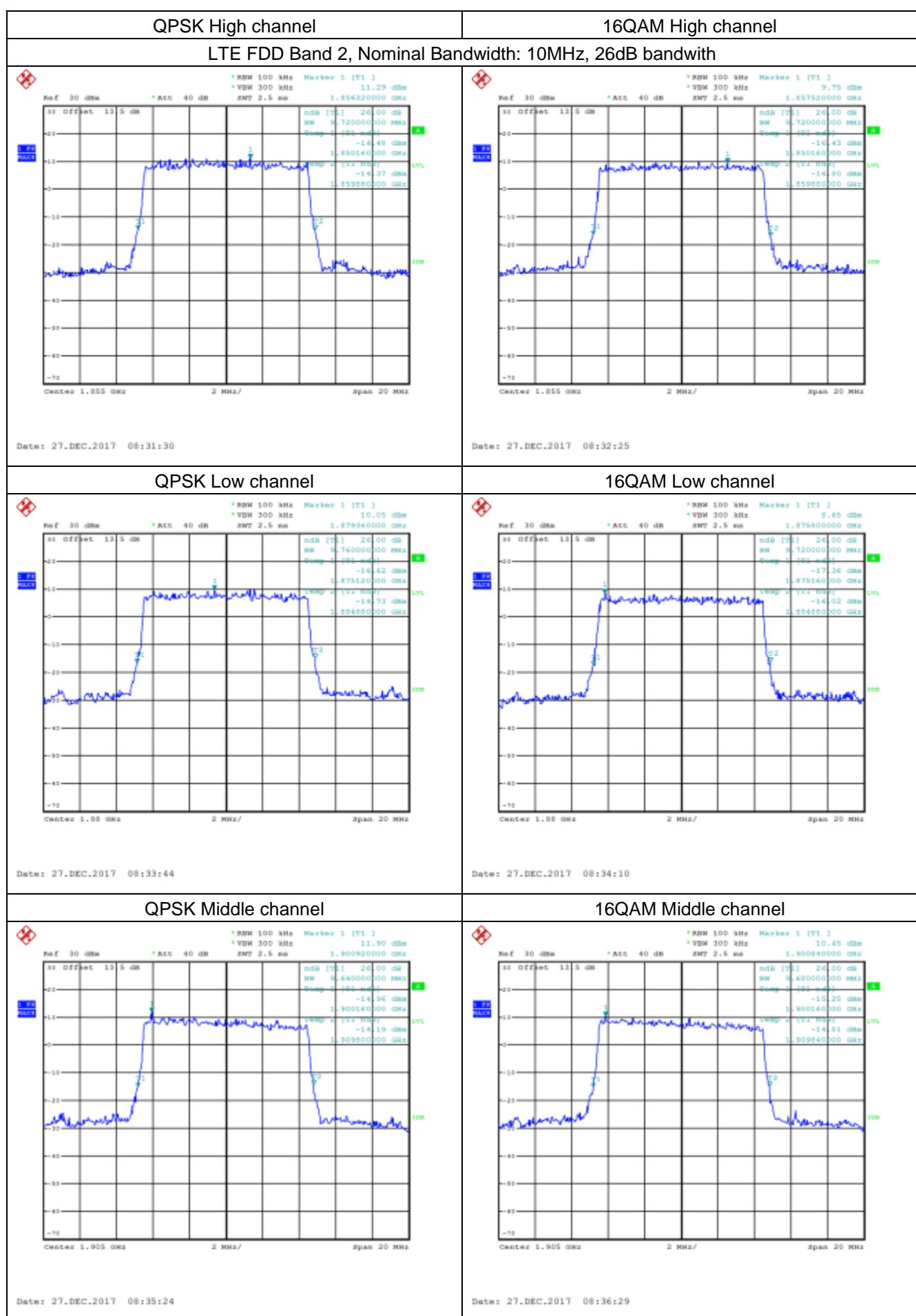


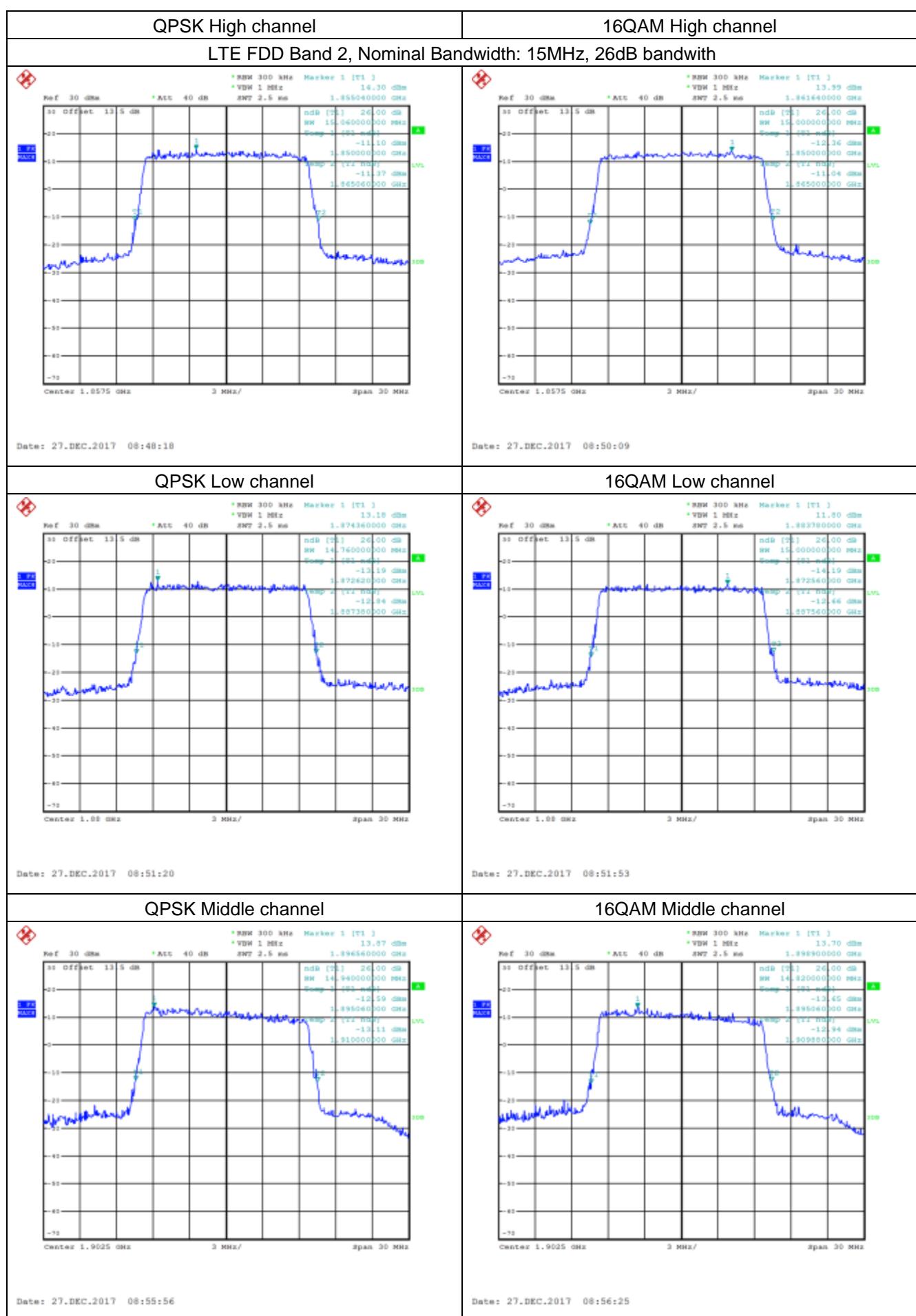
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Date: 27.DEC.2017 13:05:39	Date: 27.DEC.2017 13:06:46	Date: 27.DEC.2017 13:07:37	Date: 27.DEC.2017 13:08:05
QPSK Middle channel		16QAM Middle channel	
			
Date: 27.DEC.2017 13:08:46	Date: 27.DEC.2017 13:09:16		

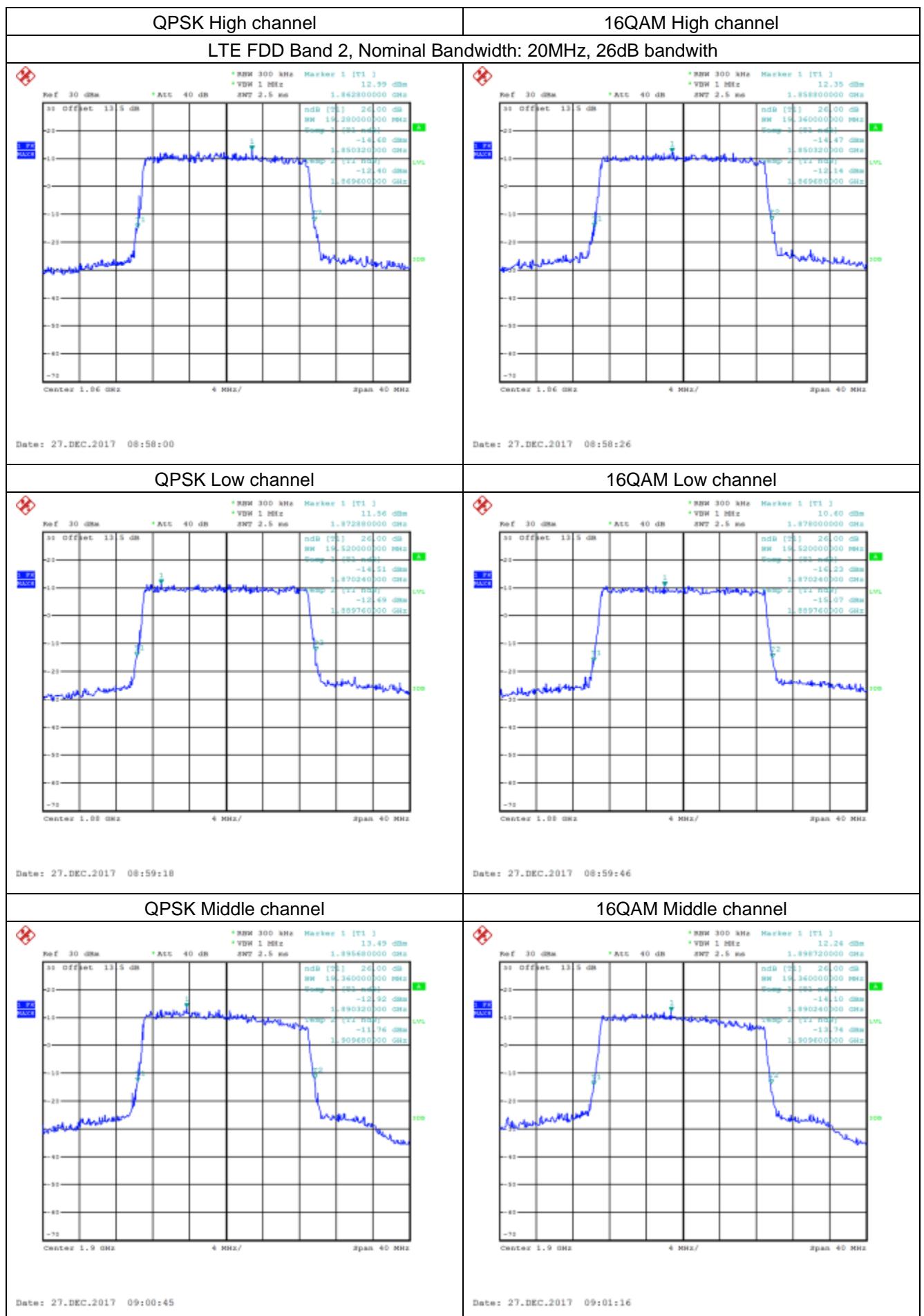


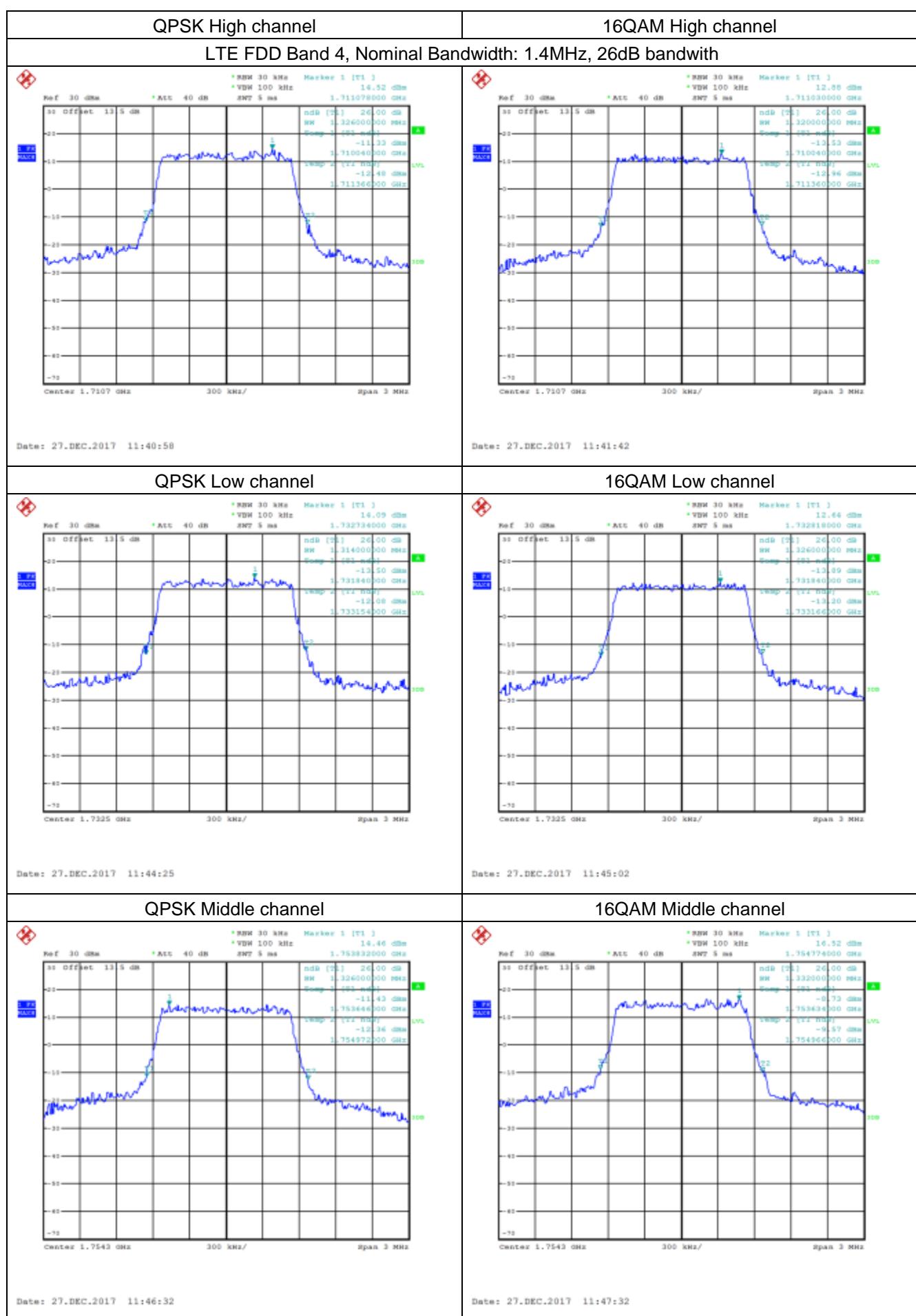
QPSK High channel		16QAM High channel	
LTE FDD Band 2, Nominal Bandwidth: 3.0MHz, 26dB bandwith			
		Date: 27.DEC.2017 08:15:30	Date: 27.DEC.2017 08:16:15
QPSK Low channel		16QAM Low channel	
		Date: 27.DEC.2017 08:17:53	Date: 27.DEC.2017 08:18:29
QPSK Middle channel		16QAM Middle channel	
		Date: 27.DEC.2017 08:20:04	Date: 27.DEC.2017 08:21:04

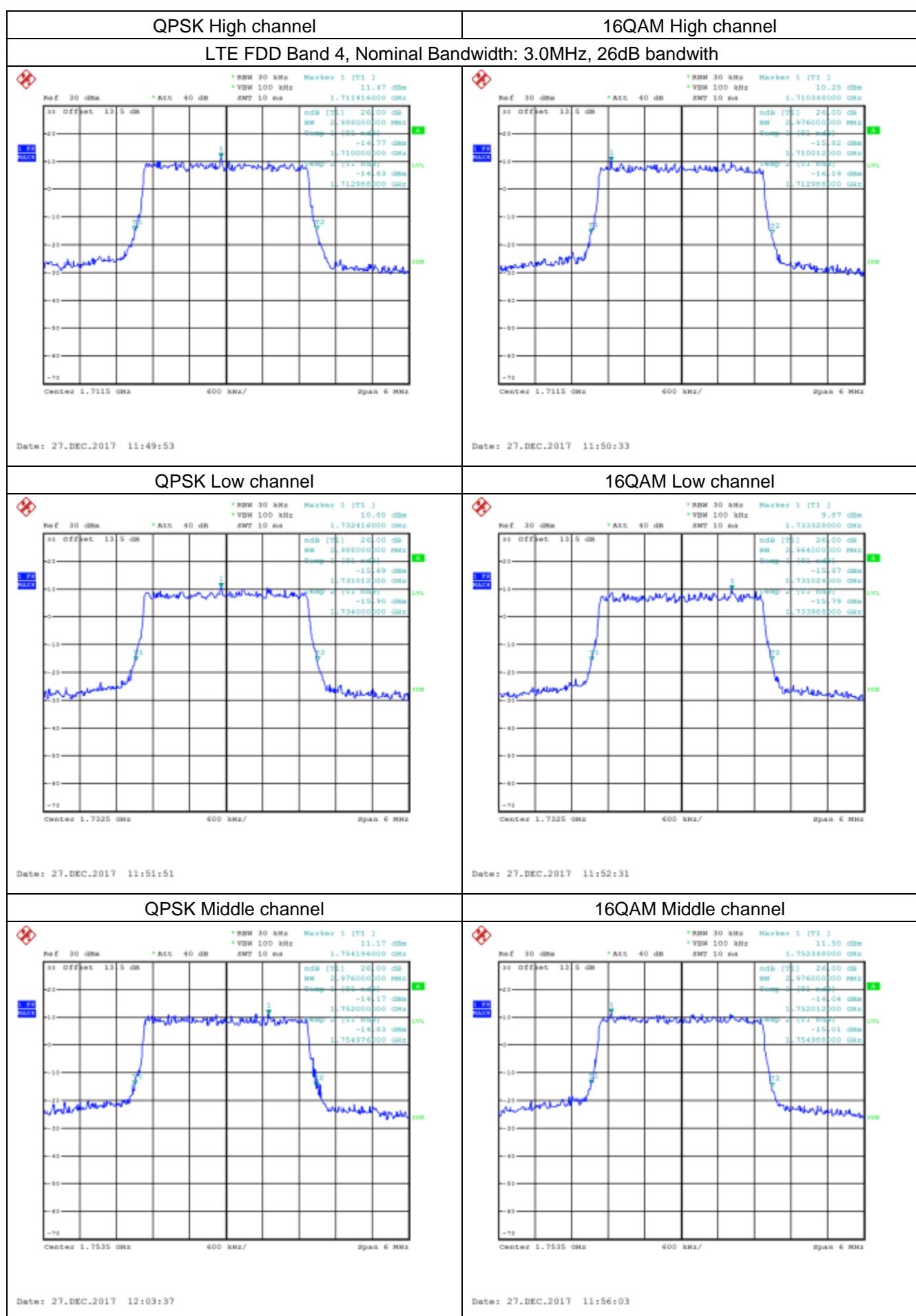
QPSK High channel		16QAM High channel	
LTE FDD Band 2, Nominal Bandwidth: 5MHz, 26dB bandwith			
<p>Ref 30 dBm    ATC 40 dB    BW 300 kHz    SMT 2.5 ms</p> <p>Marker 1 ITI 1: 14.13 dBm Marker 2 ITI 2: 13.850600000 GHz</p> <p>ndB [dB] 26.00 dB BW 5.000000000 MHz Samp 1 ITI 0.01 1.859940000 GHz Samp 2 ITI 0.01 -10.39 dBm -11.85 dBm 1.855020000 GHz</p> <p>ss offset 13.5 dB</p> <p>Center 1.8525 GHz    1 MHz/    span 10 MHz</p>	<p>Ref 30 dBm    ATC 40 dB    BW 300 kHz    SMT 2.5 ms</p> <p>Marker 1 ITI 1: 13.69 dBm Marker 2 ITI 2: 13.852480000 GHz</p> <p>ndB [dB] 26.00 dB BW 5.020000000 MHz Samp 1 ITI 0.01 1.849980000 GHz Samp 2 ITI 0.01 -12.93 dBm -12.35 dBm 1.855000000 GHz</p> <p>ss offset 13.5 dB</p> <p>Center 1.8525 GHz    1 MHz/    span 10 MHz</p>		
Date: 27.DEC.2017 08:25:05		Date: 27.DEC.2017 08:25:46	
QPSK Low channel		16QAM Low channel	
<p>Ref 30 dBm    ATC 40 dB    BW 300 kHz    SMT 2.5 ms</p> <p>Marker 1 ITI 1: 13.17 dBm Marker 2 ITI 2: 13.878180000 GHz</p> <p>ndB [dB] 26.00 dB BW 5.000000000 MHz Samp 1 ITI 0.01 1.877800000 GHz Samp 2 ITI 0.01 -12.24 dBm -12.30 dBm 1.882500000 GHz</p> <p>ss offset 13.5 dB</p> <p>Center 1.88 GHz    1 MHz/    span 10 MHz</p>	<p>Ref 30 dBm    ATC 40 dB    BW 300 kHz    SMT 2.5 ms</p> <p>Marker 1 ITI 1: 12.42 dBm Marker 2 ITI 2: 13.879500000 GHz</p> <p>ndB [dB] 26.00 dB BW 4.960000000 MHz Samp 1 ITI 0.01 1.877480000 GHz Samp 2 ITI 0.01 -13.01 dBm -11.39 dBm 1.882440000 GHz</p> <p>ss offset 13.5 dB</p> <p>Center 1.88 GHz    1 MHz/    span 10 MHz</p>		
Date: 27.DEC.2017 08:26:48		Date: 27.DEC.2017 08:27:19	
QPSK Middle channel		16QAM Middle channel	
<p>Ref 30 dBm    ATC 40 dB    BW 300 kHz    SMT 2.5 ms</p> <p>Marker 1 ITI 1: 14.15 dBm Marker 2 ITI 2: 13.905460000 GHz</p> <p>ndB [dB] 26.00 dB BW 5.000000000 MHz Samp 1 ITI 0.01 1.904940000 GHz Samp 2 ITI 0.01 -11.63 dBm -11.52 dBm 1.910000000 GHz</p> <p>ss offset 13.5 dB</p> <p>Center 1.9075 GHz    1 MHz/    span 10 MHz</p>	<p>Ref 30 dBm    ATC 40 dB    BW 300 kHz    SMT 2.5 ms</p> <p>Marker 1 ITI 1: 12.87 dBm Marker 2 ITI 2: 13.907680000 GHz</p> <p>ndB [dB] 26.00 dB BW 4.980000000 MHz Samp 1 ITI 0.01 1.905000000 GHz Samp 2 ITI 0.01 -12.30 dBm -12.77 dBm 1.909980000 GHz</p> <p>ss offset 13.5 dB</p> <p>Center 1.9075 GHz    1 MHz/    span 10 MHz</p>		
Date: 27.DEC.2017 08:28:27		Date: 27.DEC.2017 08:29:21	

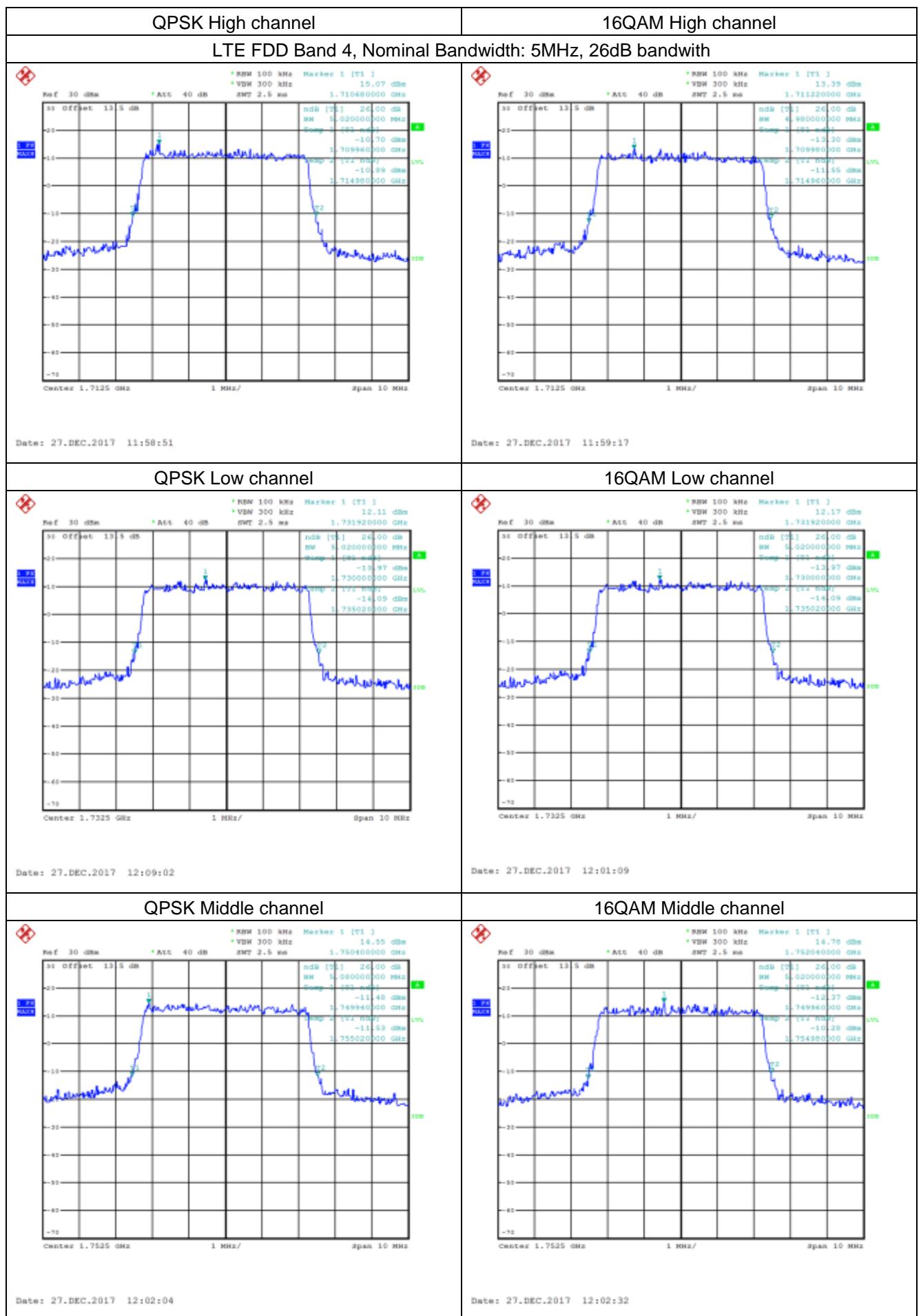


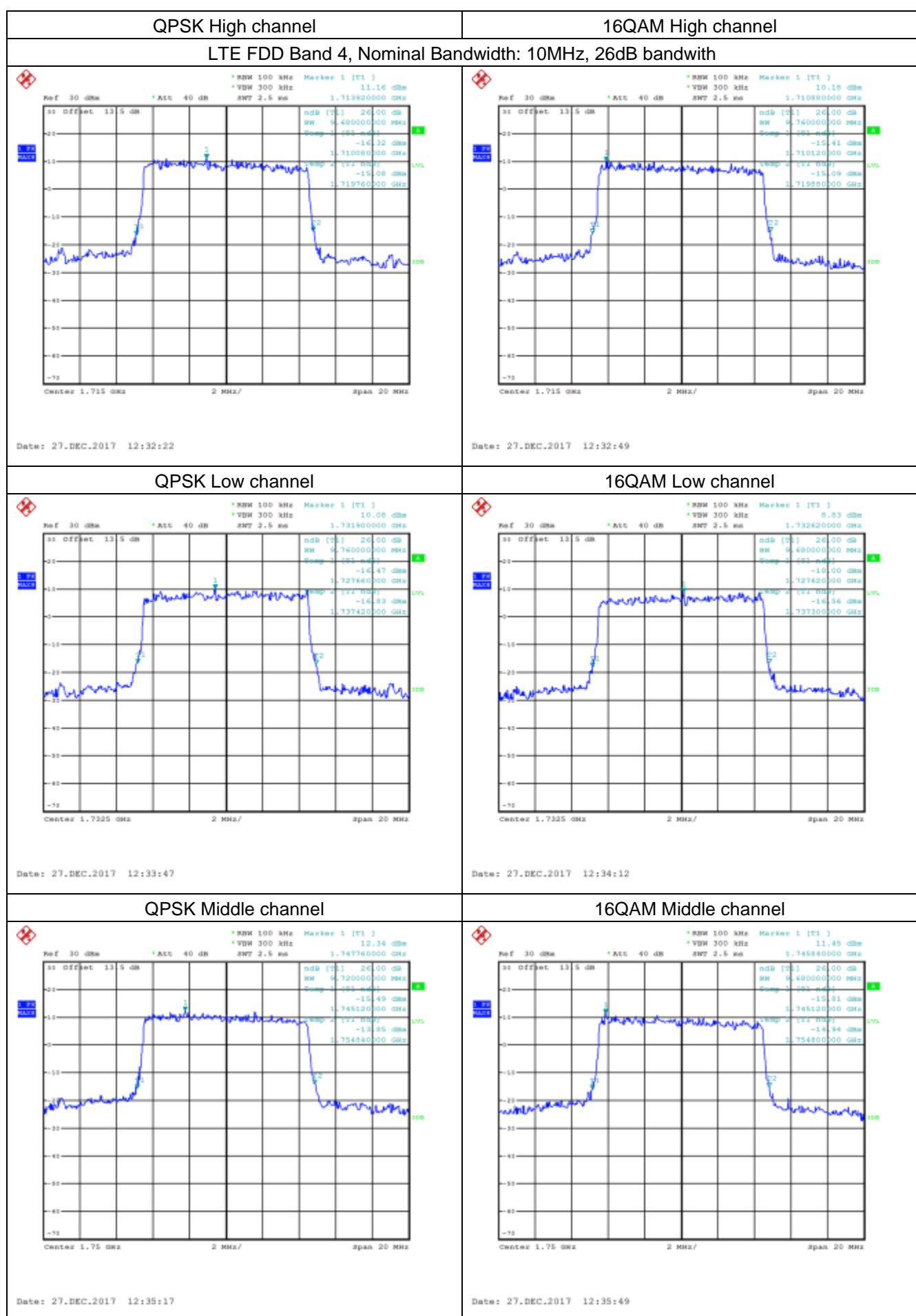


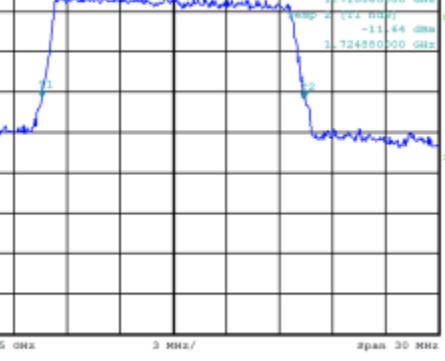
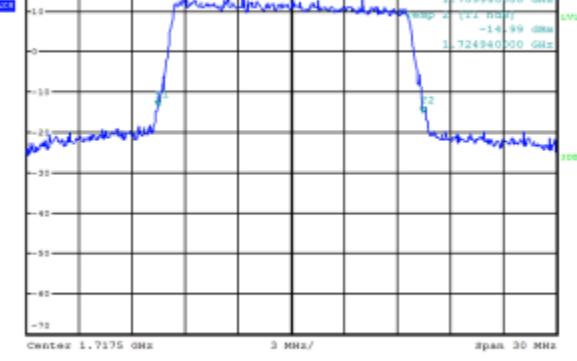
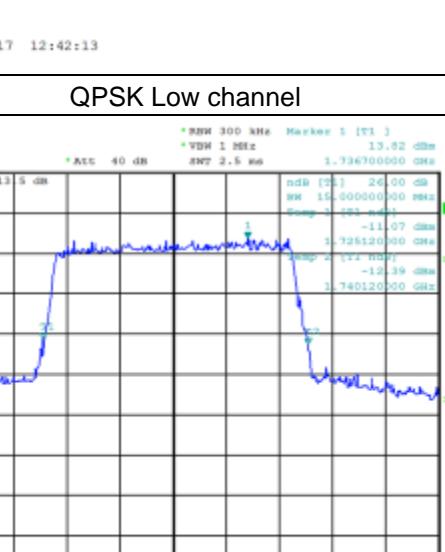
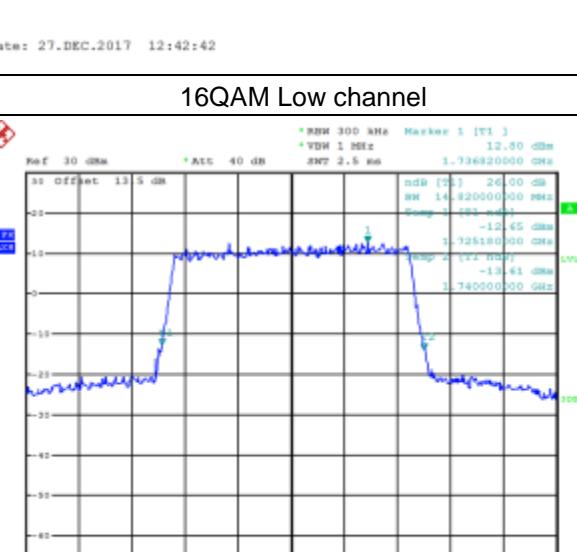
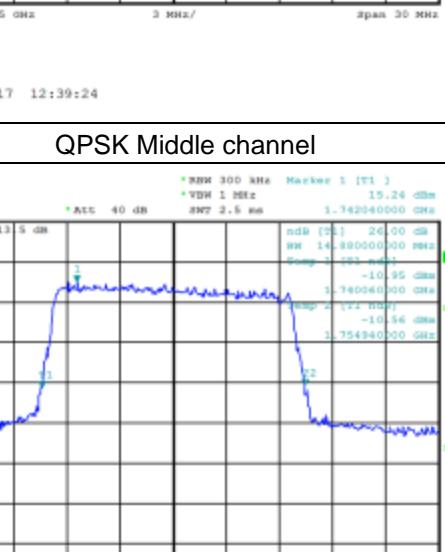
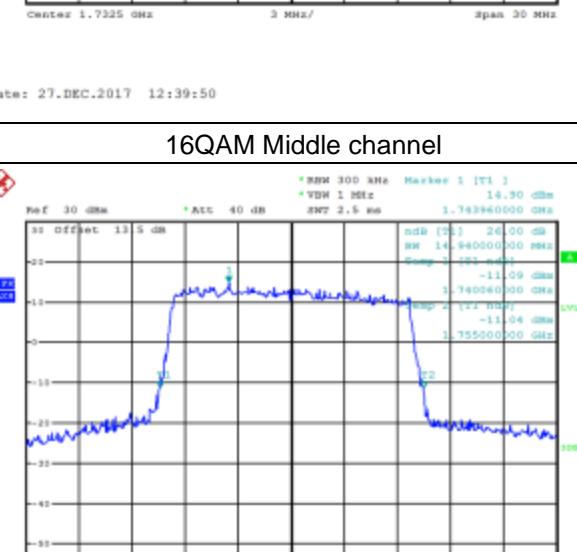


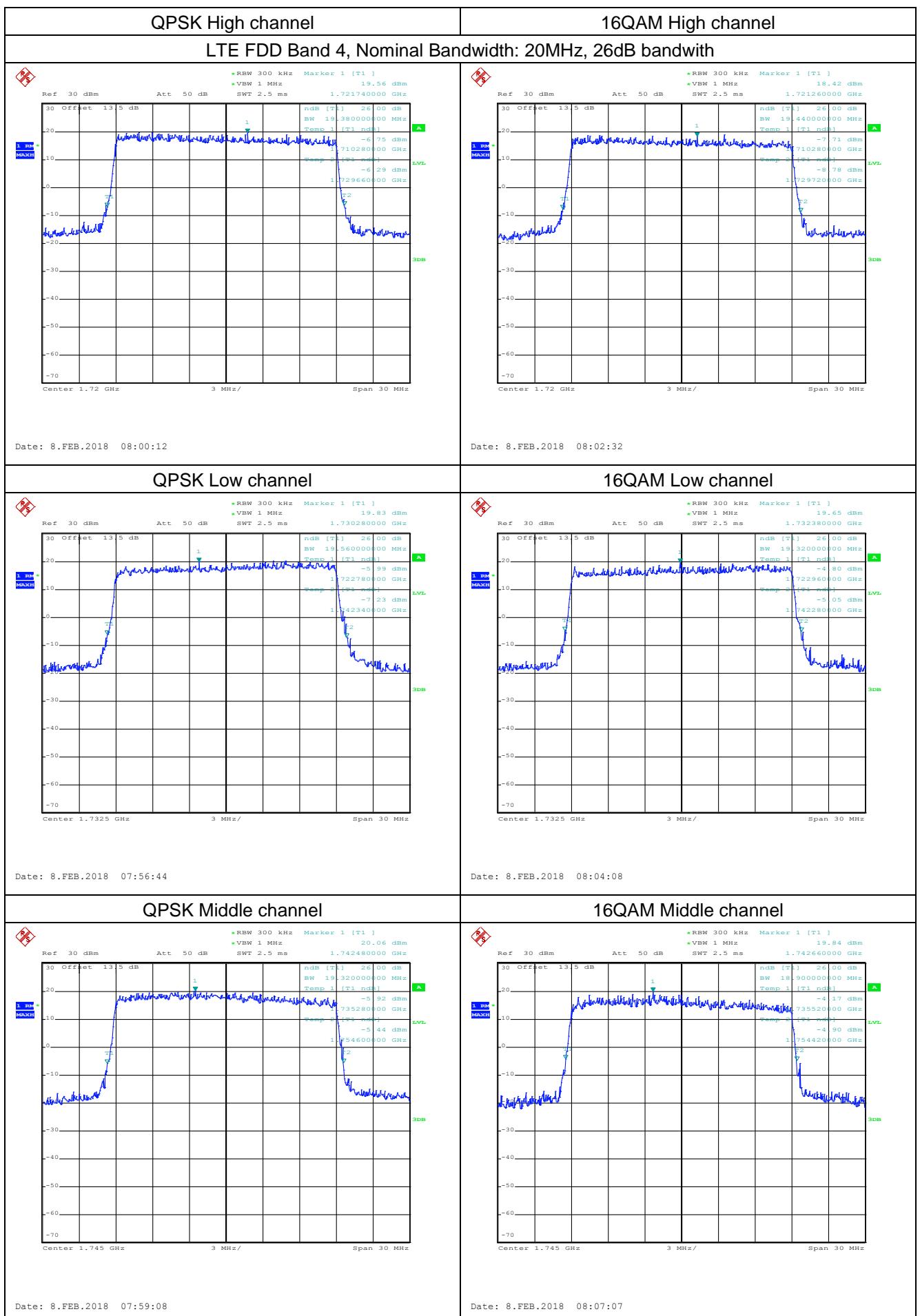


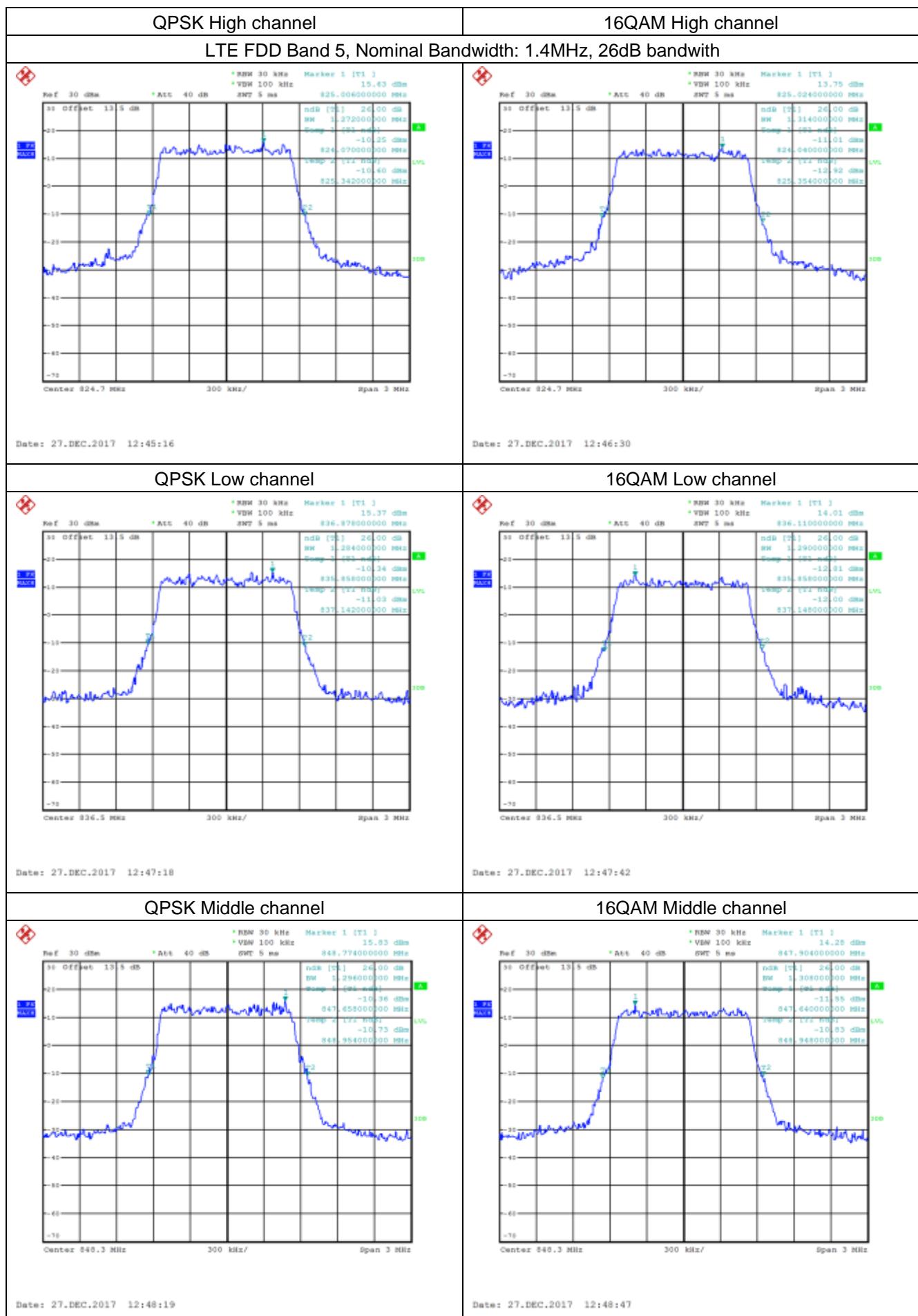


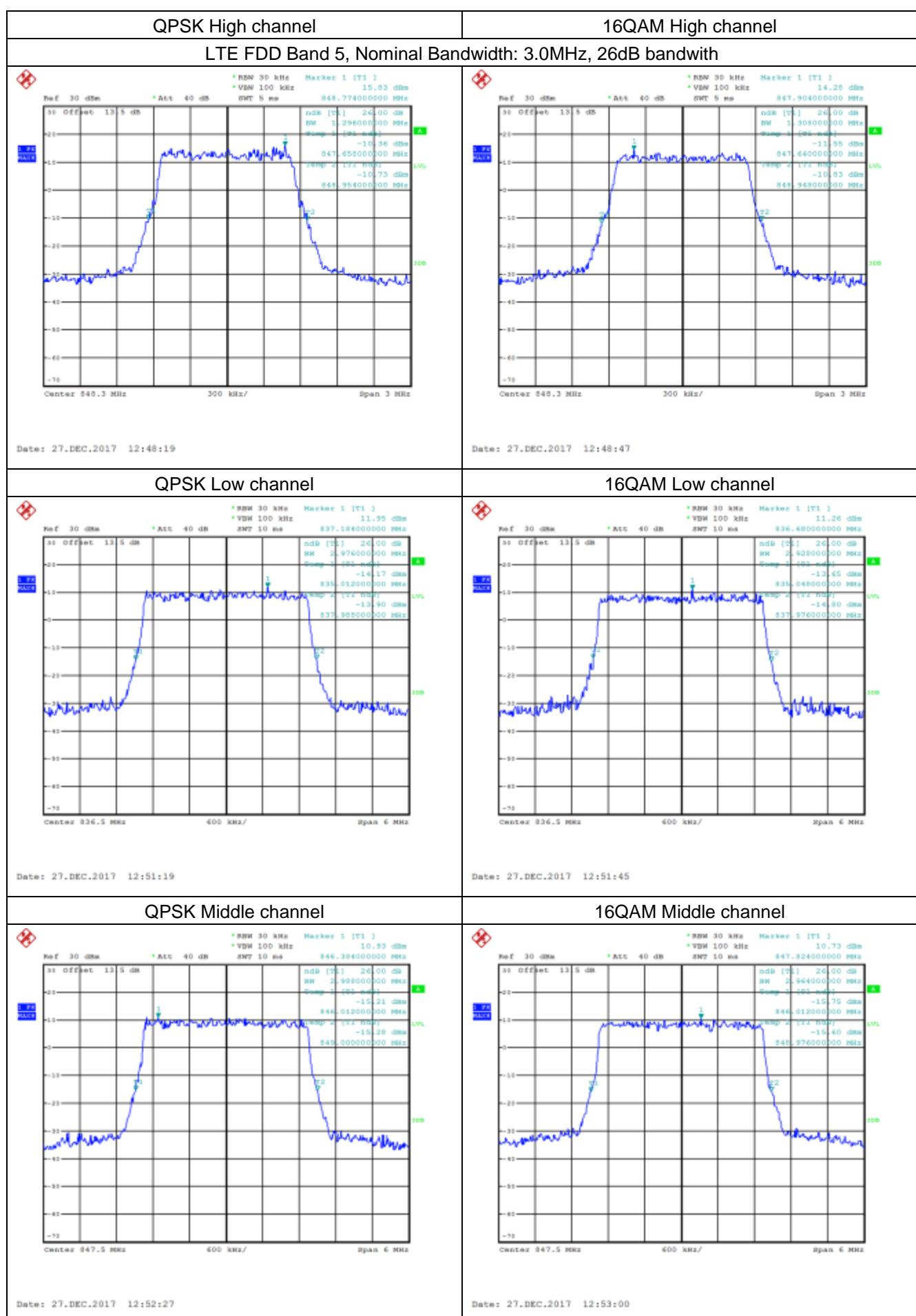




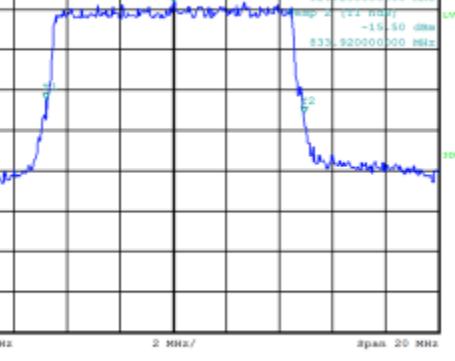
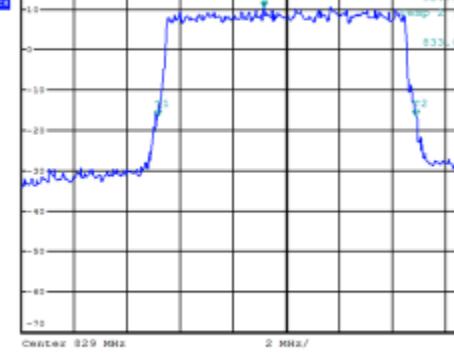
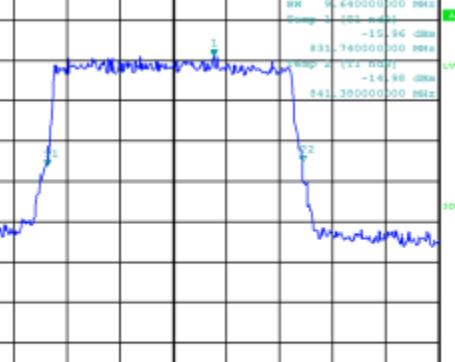
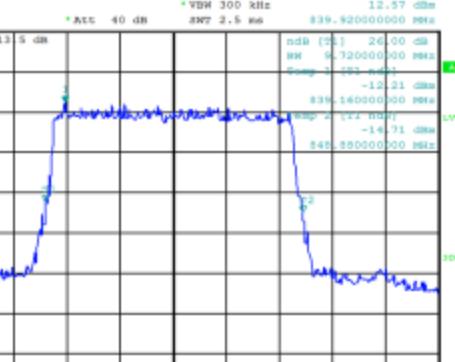
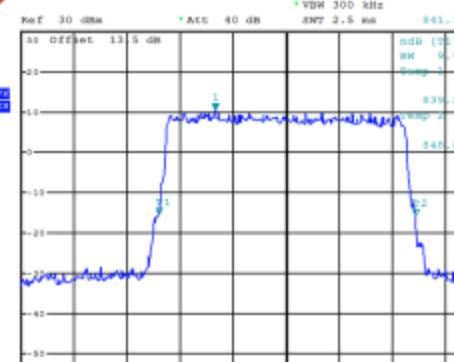
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Date: 27.DEC.2017 12:42:13	Date: 27.DEC.2017 12:42:42	Date: 27.DEC.2017 12:39:24	Date: 27.DEC.2017 12:39:50
QPSK Middle channel		16QAM Middle channel	
			
Date: 27.DEC.2017 12:40:48	Date: 27.DEC.2017 12:41:17		







QPSK High channel		16QAM High channel	
<p>LTE FDD Band 5, Nominal Bandwidth: 5MHz, 26dB bandwith</p> <p>Date: 27.DEC.2017 12:54:42</p>		<p>Date: 27.DEC.2017 12:55:10</p>	
QPSK Low channel		16QAM Low channel	
<p>Date: 27.DEC.2017 12:56:25</p>		<p>Date: 27.DEC.2017 12:57:02</p>	
QPSK Middle channel		16QAM Middle channel	
<p>Date: 27.DEC.2017 12:58:56</p>		<p>Date: 27.DEC.2017 12:59:24</p>	

QPSK High channel		16QAM High channel	
LTE FDD Band 5, Nominal Bandwidth: 10MHz, 26dB bandwith			
		Date: 27.DEC.2017 13:00:30	Date: 27.DEC.2017 13:00:57
QPSK Low channel		16QAM Low channel	
		Date: 27.DEC.2017 13:01:52	Date: 27.DEC.2017 13:02:21
QPSK Middle channel		16QAM Middle channel	
		Date: 27.DEC.2017 13:03:06	Date: 27.DEC.2017 13:03:31

QPSK High channel		16QAM High channel	
<p>LTE FDD Band 17, Nominal Bandwidth: 5MHz, 26dB bandwith</p> <p>Date: 27.DEC.2017 13:11:19</p>		<p>LTE FDD Band 17, Nominal Bandwidth: 5MHz, 26dB bandwith</p> <p>Date: 27.DEC.2017 13:11:49</p>	
QPSK Low channel		16QAM Low channel	
<p>Date: 27.DEC.2017 13:12:37</p>		<p>Date: 27.DEC.2017 13:13:10</p>	
QPSK Middle channel		16QAM Middle channel	
<p>Date: 27.DEC.2017 13:13:56</p>		<p>Date: 27.DEC.2017 13:14:42</p>	

