

## 5.599%&26DB BANDWIDTH

**Test Requirement:** FCC 47 CFR Part 2.1049(h)

**Test Method:** ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

**Limit:** No Limit, for reporting purposes only.

**Test Procedure:**

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

**Test Setup:** Refer to section 4.2.2 for details.

**Instruments Used:** Refer to section 3 for details

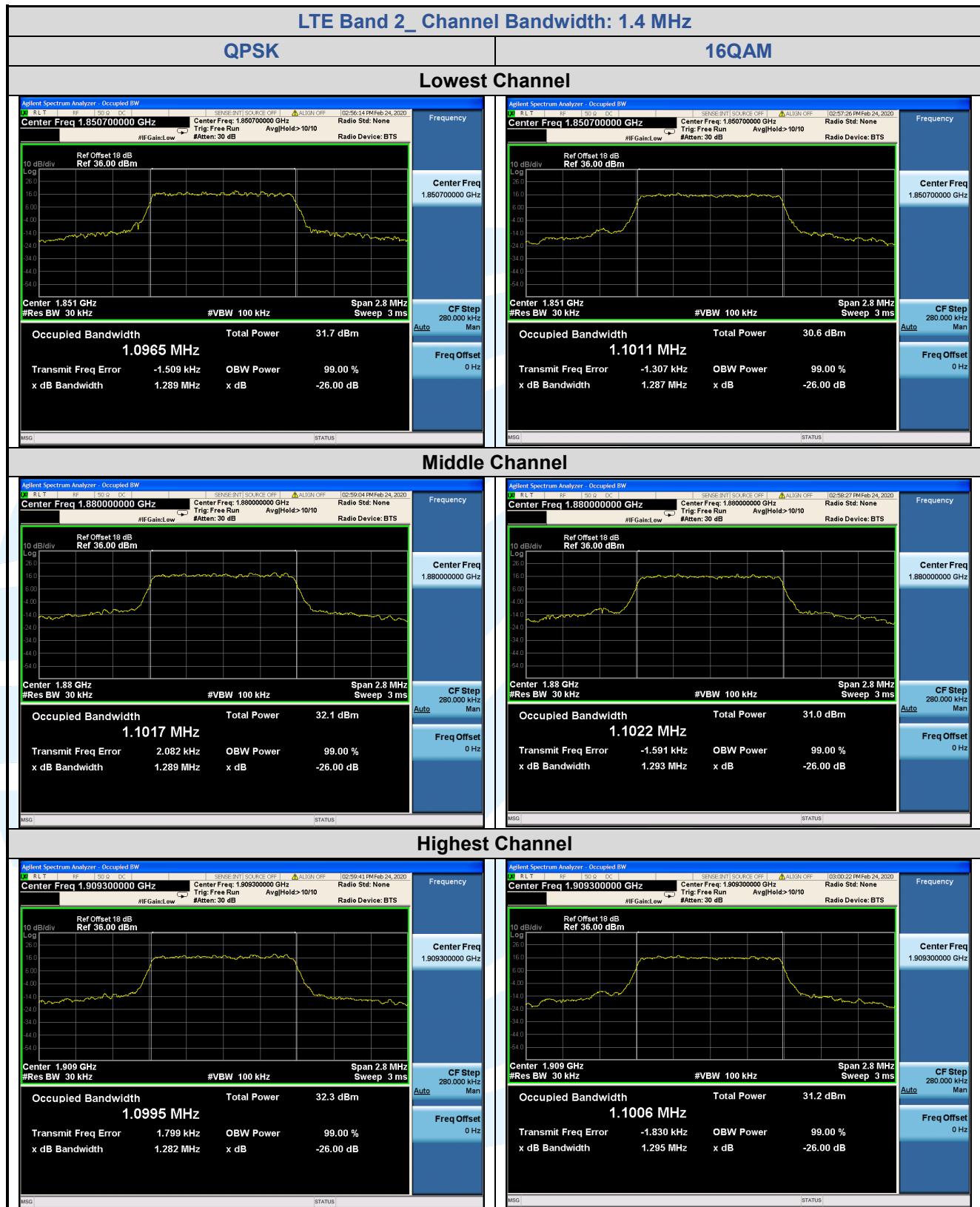
**Test Mode:** Link mode

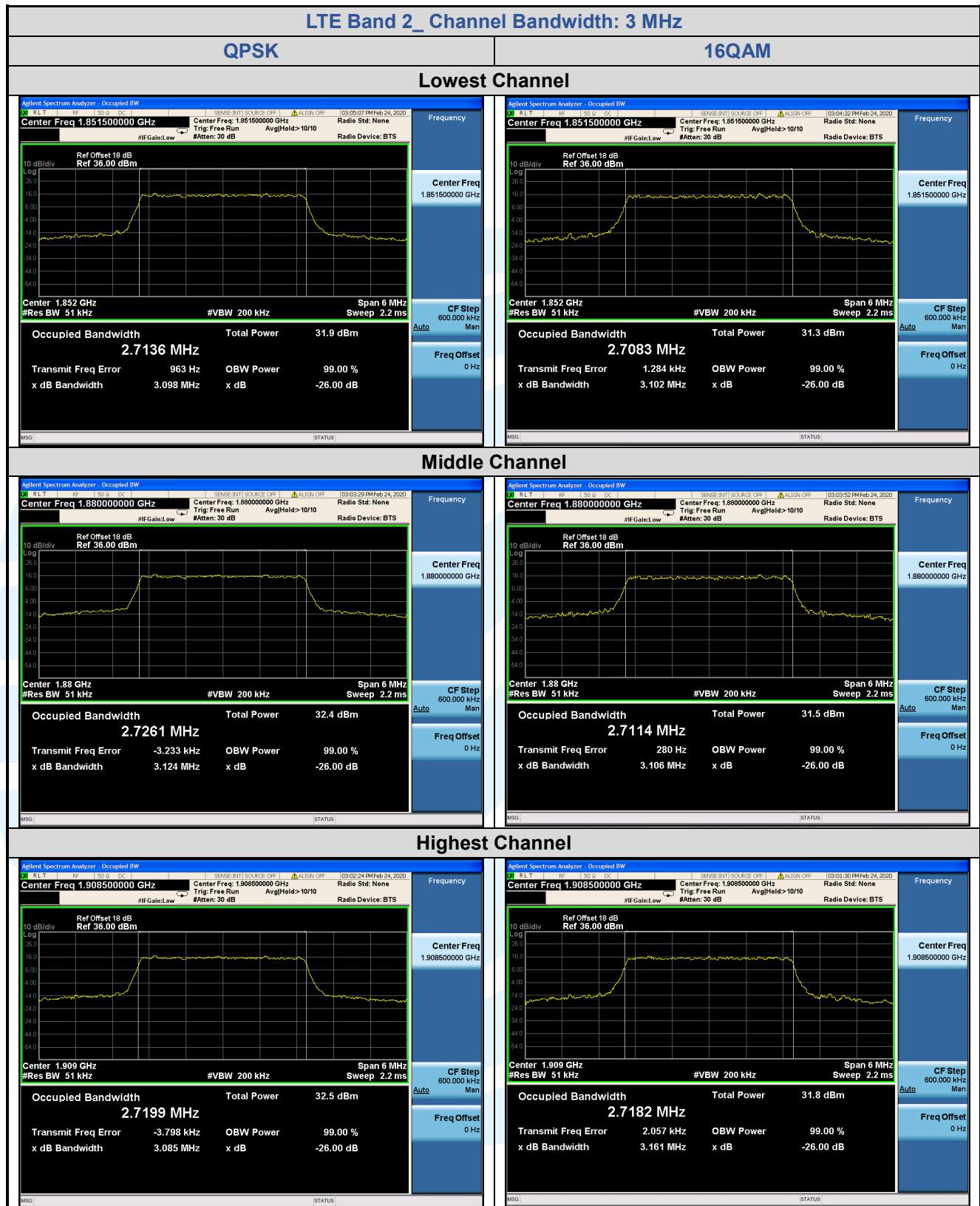
**Test Results:** Pass

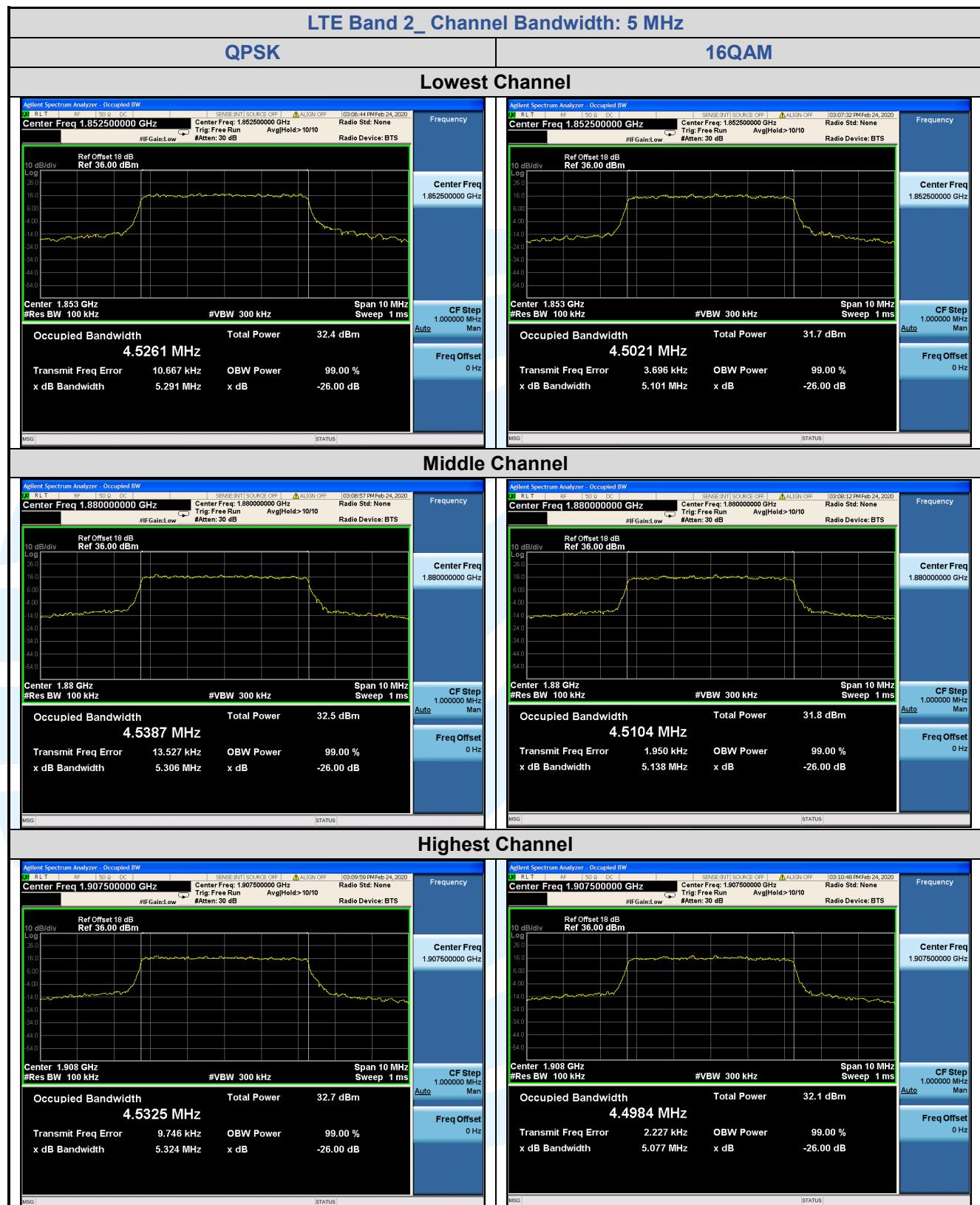
**Test Data:** See table below

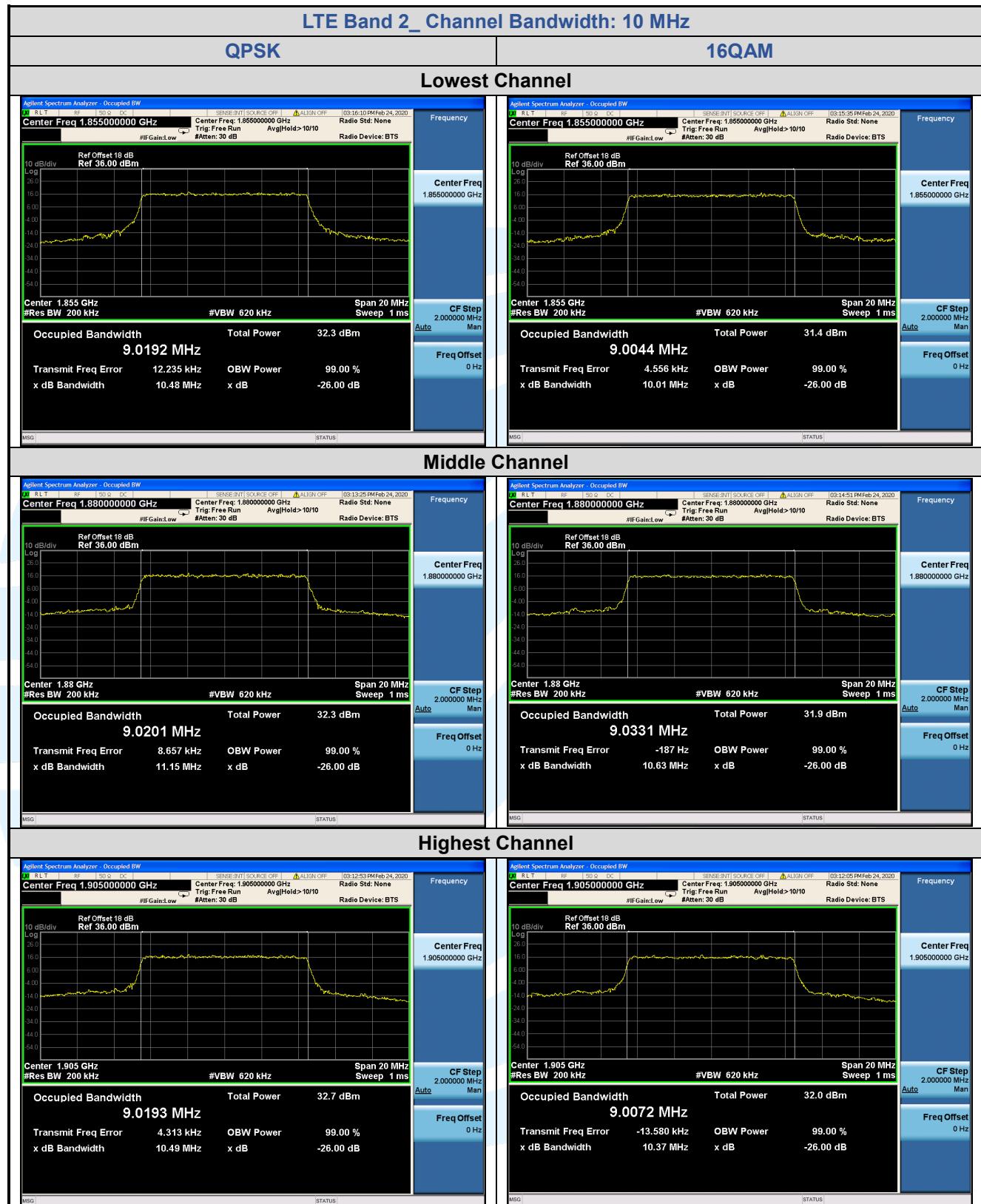
### 5.5.1 LTE Band 2

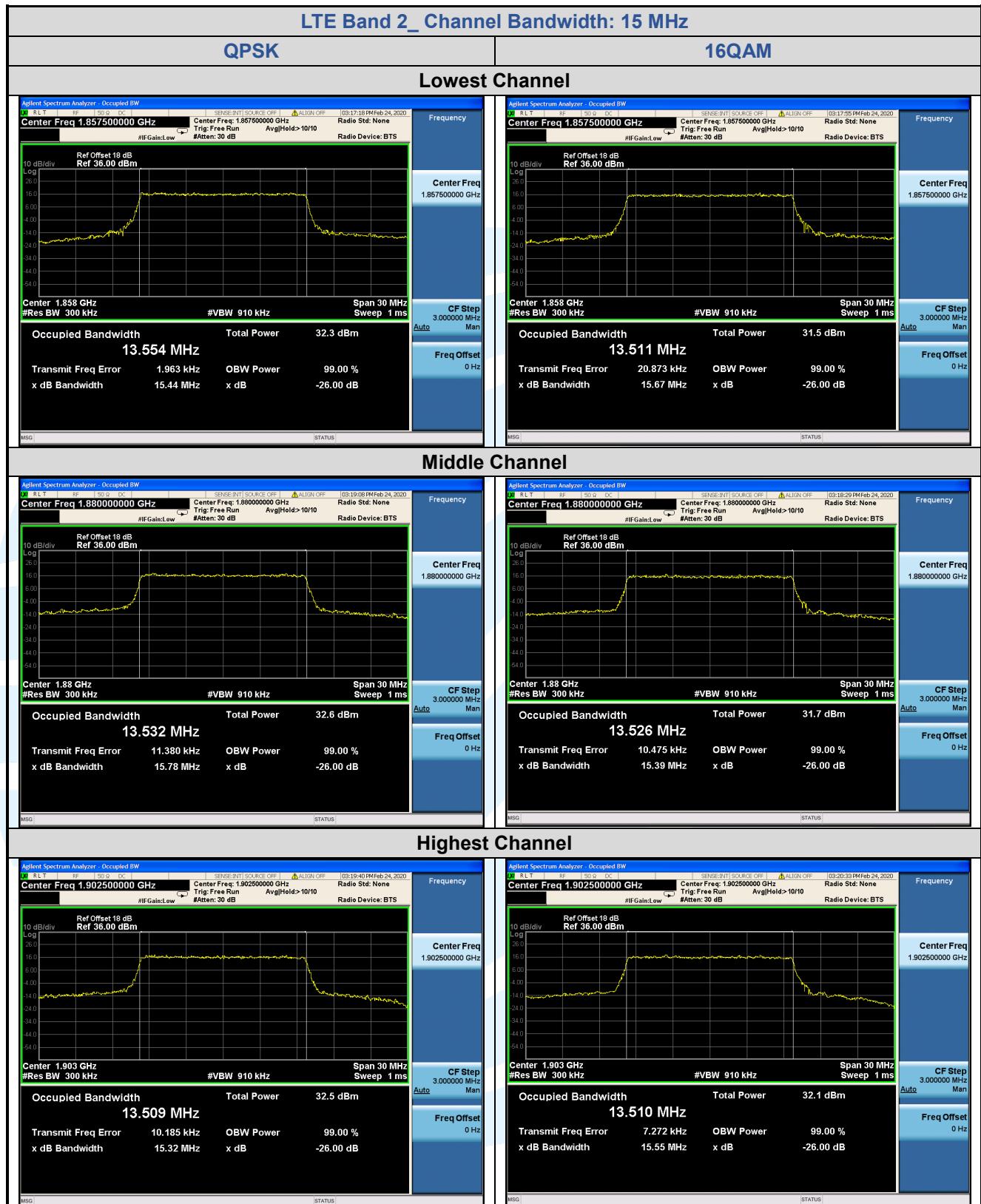
LTE Band 2								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.289	1.287	/	1.0965	1.1011	/
Middle	6	0	1.289	1.293	/	1.1017	1.1022	/
Highest	6	0	1.282	1.295	/	1.0995	1.1006	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.098	3.102	/	2.7136	2.7083	/
Middle	15	0	3.124	3.106	/	2.7261	2.7114	/
Highest	15	0	3.085	3.161	/	2.7199	2.7182	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.291	5.101	/	4.5261	4.5021	/
Middle	25	0	5.306	5.138	/	4.5387	4.5104	/
Highest	25	0	5.324	5.077	/	4.5325	4.4984	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.48	10.01	/	9.0192	9.0044	/
Middle	50	0	11.15	10.63	/	9.0201	9.0331	/
Highest	50	0	10.49	10.37	/	9.0193	9.0072	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.44	15.67	/	13.554	13.511	/
Middle	75	0	15.78	15.39	/	13.532	13.526	/
Highest	75	0	15.32	15.55	/	13.509	13.510	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	20.71	20.52	/	18.165	18.094	/
Middle	100	0	21.05	21.82	/	18.151	18.078	/
Highest	100	0	20.63	20.14	/	18.074	18.031	/

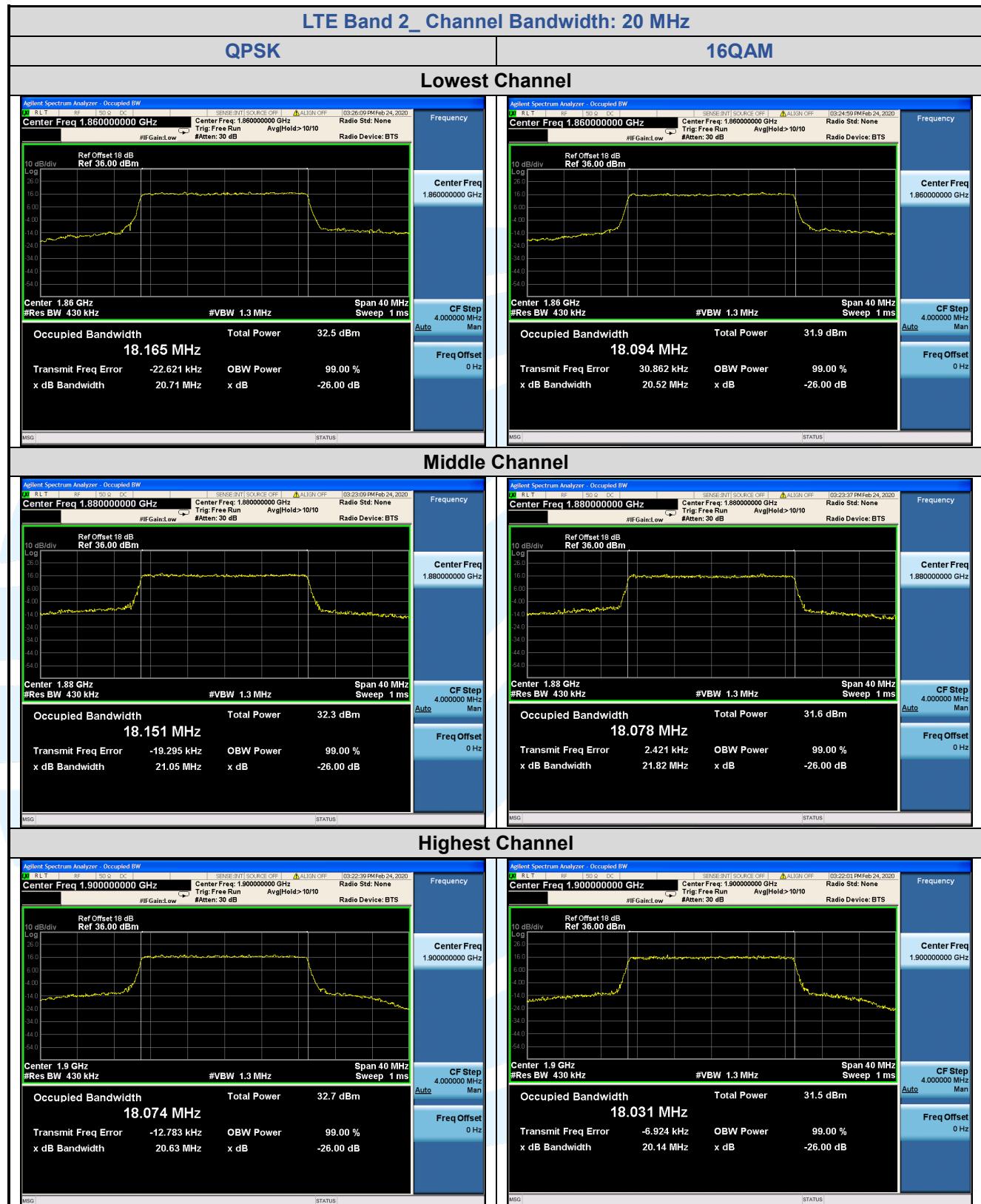






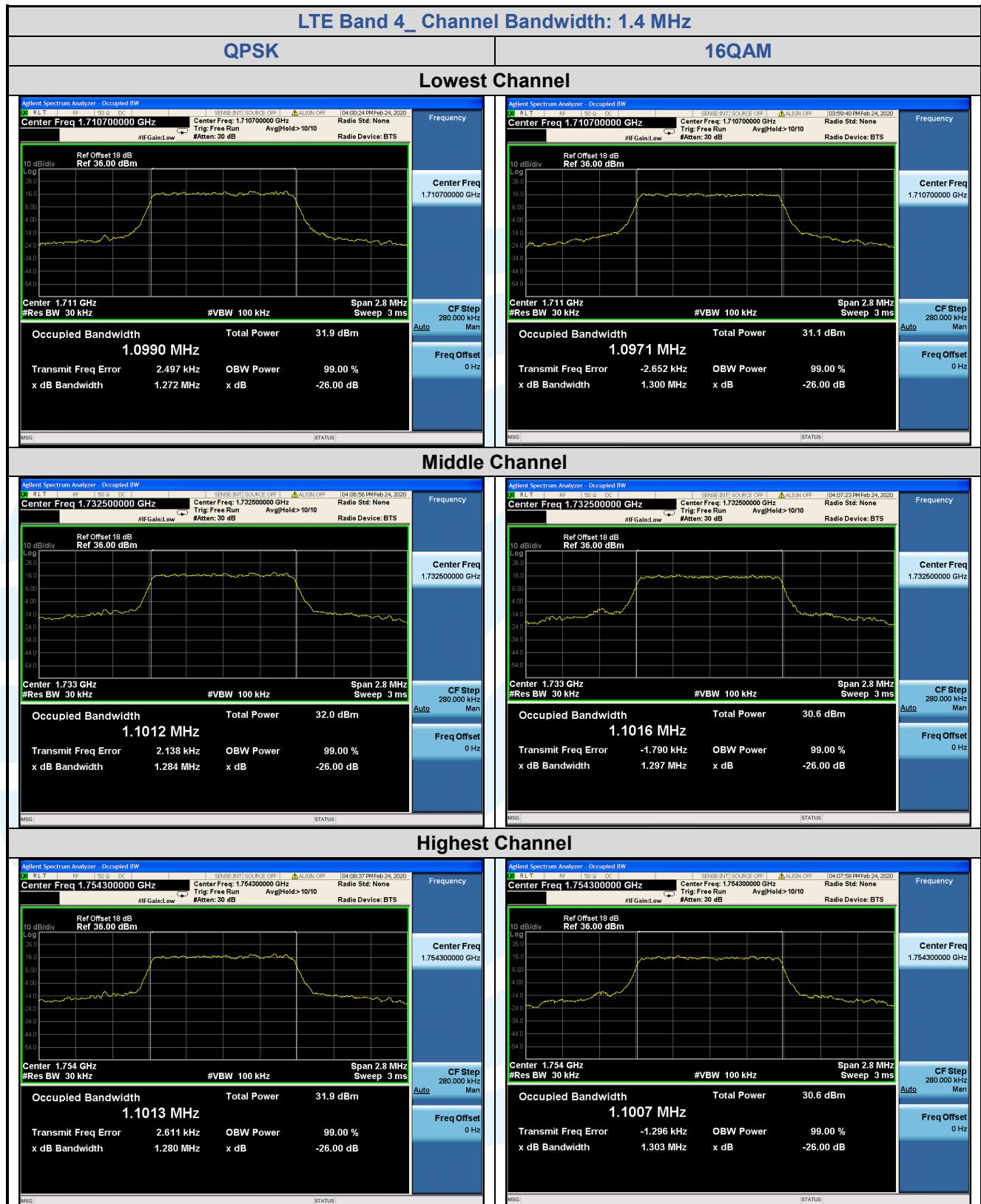


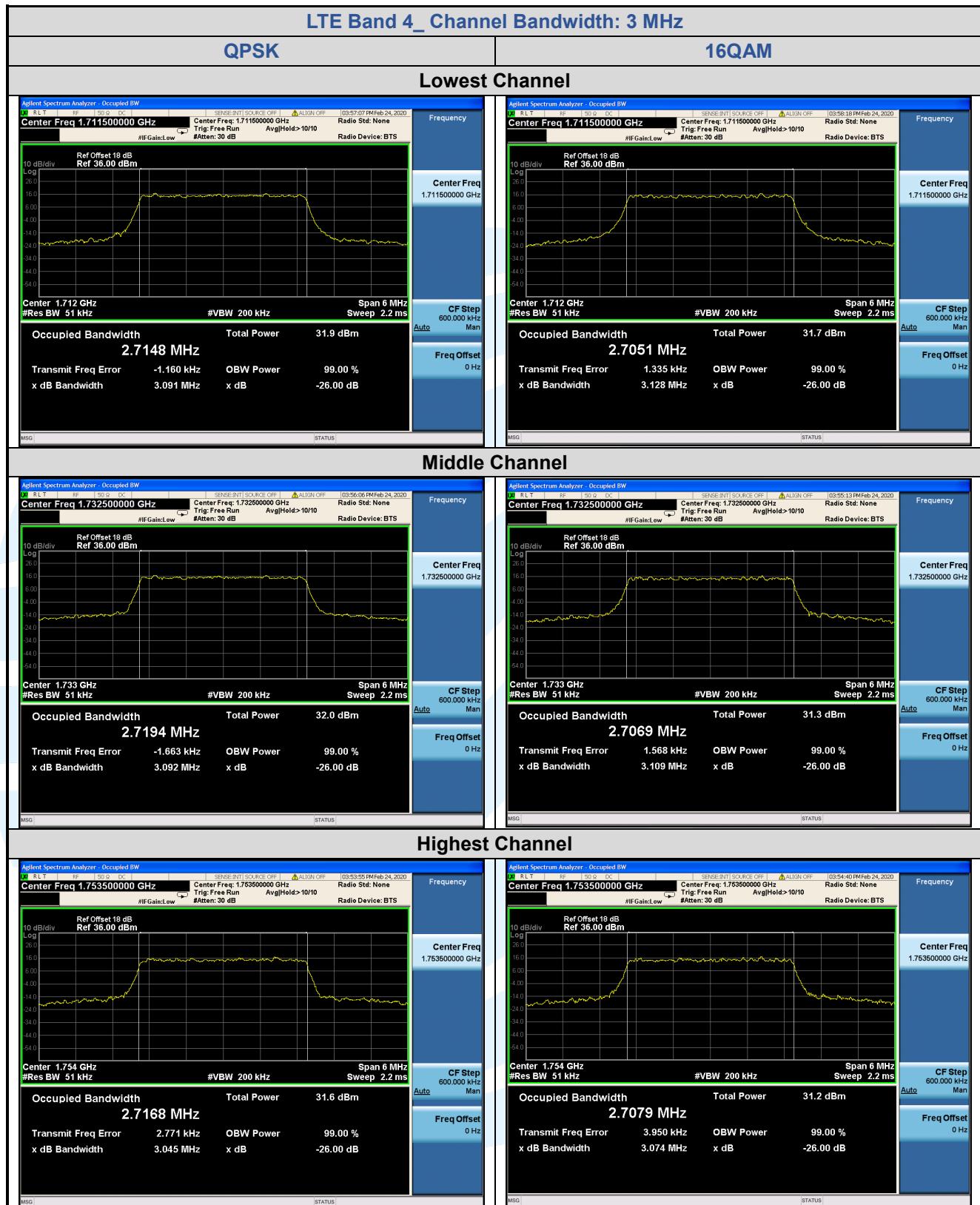


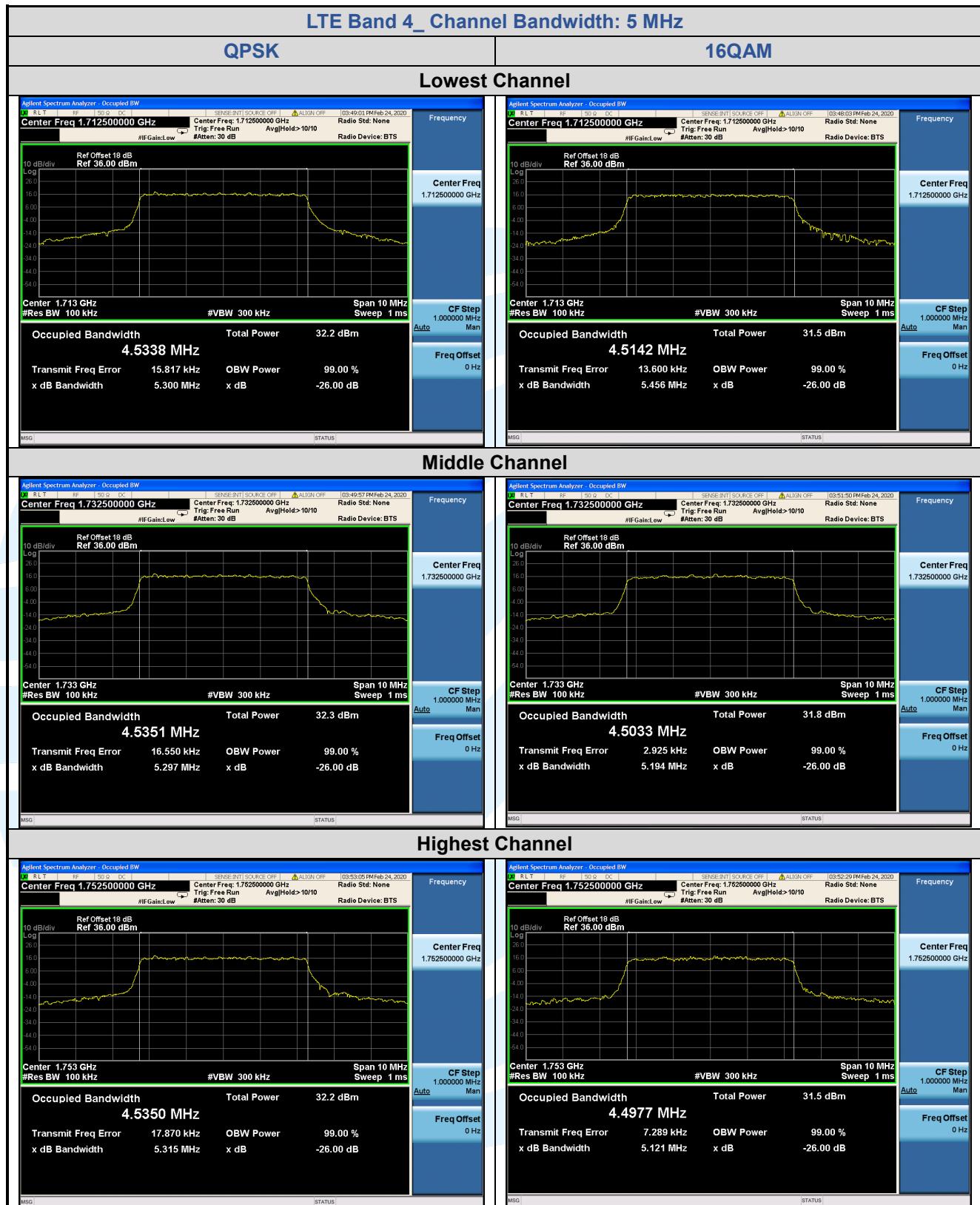


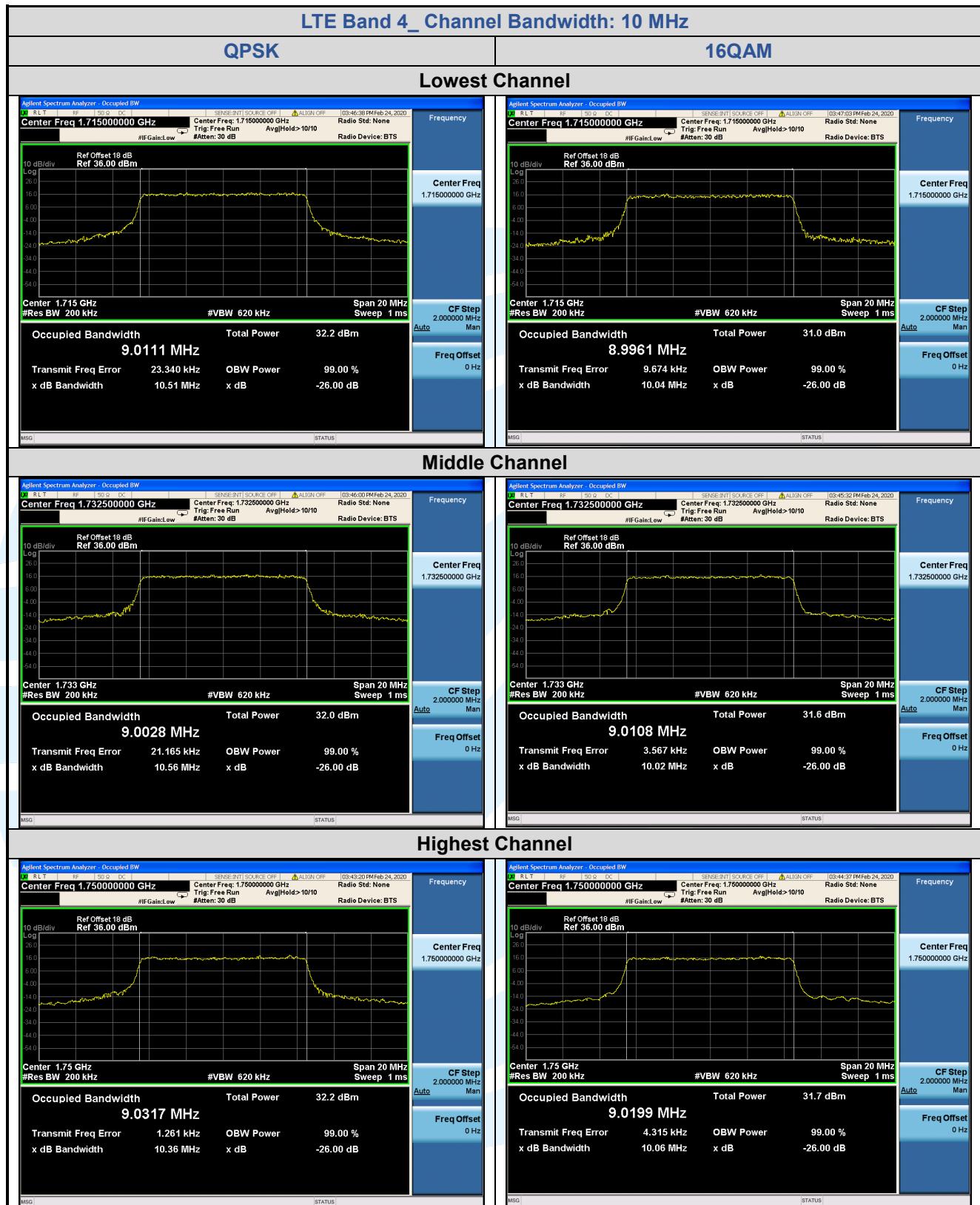
### 5.5.2 LTE Band 4

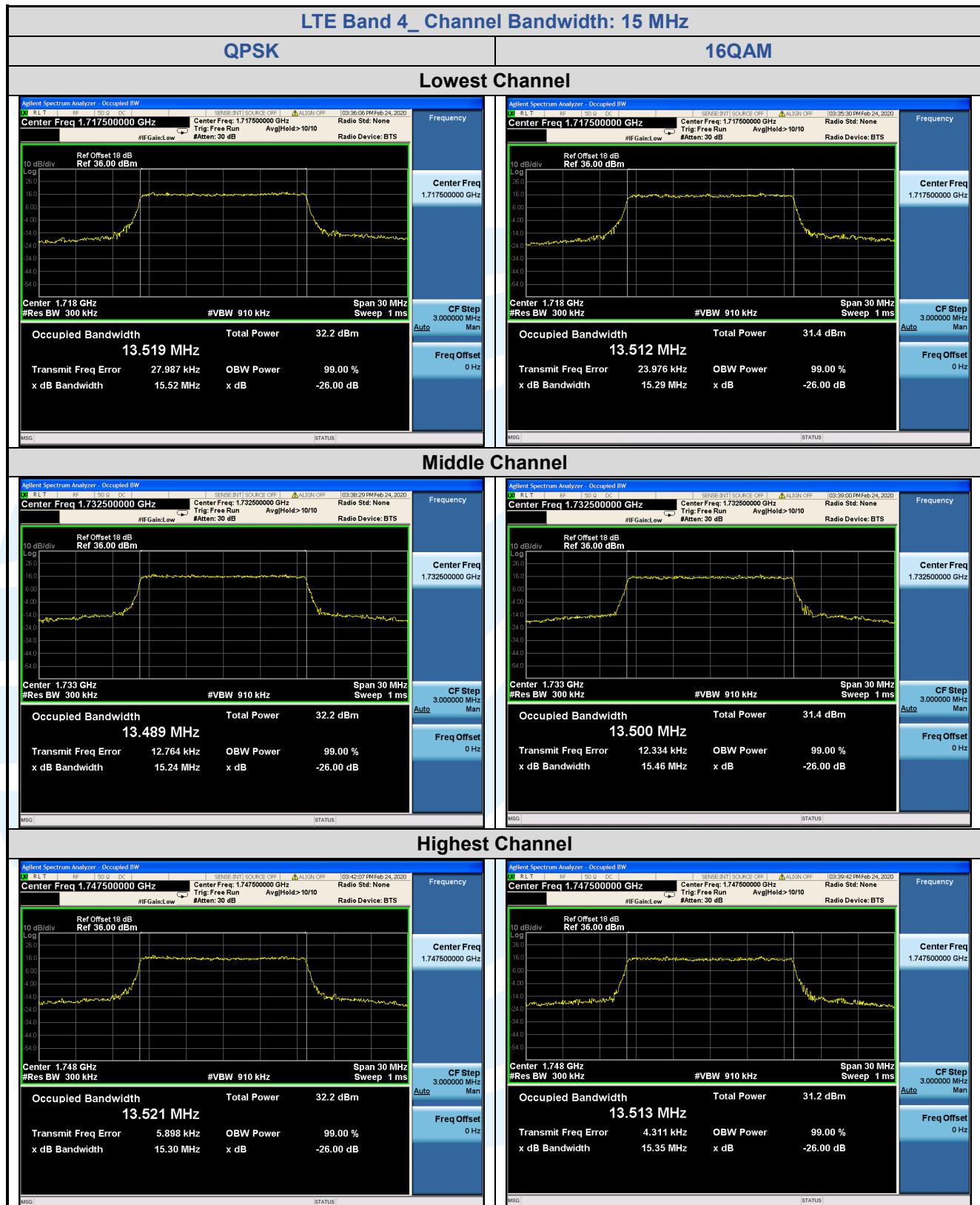
LTE Band 4								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
<b>Channel Bandwidth: 1.4 MHz</b>								
Lowest	6	0	1.272	1.300	/	1.0990	1.0971	/
Middle	6	0	1.284	1.297	/	1.1012	1.1016	/
Highest	6	0	1.280	1.303	/	1.1013	1.1007	/
<b>Channel Bandwidth: 3 MHz</b>								
Lowest	15	0	3.091	3.128	/	2.7148	2.7051	/
Middle	15	0	3.092	3.109	/	2.7194	2.7069	/
Highest	15	0	3.045	3.074	/	2.7168	2.7079	/
<b>Channel Bandwidth: 5 MHz</b>								
Lowest	25	0	5.300	5.456	/	4.5338	4.5142	/
Middle	25	0	5.297	5.194	/	4.5351	4.5033	/
Highest	25	0	5.315	5.121	/	4.5350	4.4977	/
<b>Channel Bandwidth: 10 MHz</b>								
Lowest	50	0	10.51	10.04	/	9.0111	8.9961	/
Middle	50	0	10.56	10.02	/	9.0028	9.0108	/
Highest	50	0	10.36	10.06	/	9.0317	9.0199	/
<b>Channel Bandwidth: 15 MHz</b>								
Lowest	75	0	15.52	15.29	/	13.519	13.512	/
Middle	75	0	15.24	15.46	/	13.489	13.500	/
Highest	75	0	15.30	15.35	/	13.521	13.513	/
<b>Channel Bandwidth: 20 MHz</b>								
Lowest	100	0	20.63	20.47	/	18.148	18.087	/
Middle	100	0	20.50	20.25	/	18.099	18.018	/
Highest	100	0	20.67	20.53	/	18.190	18.083	/

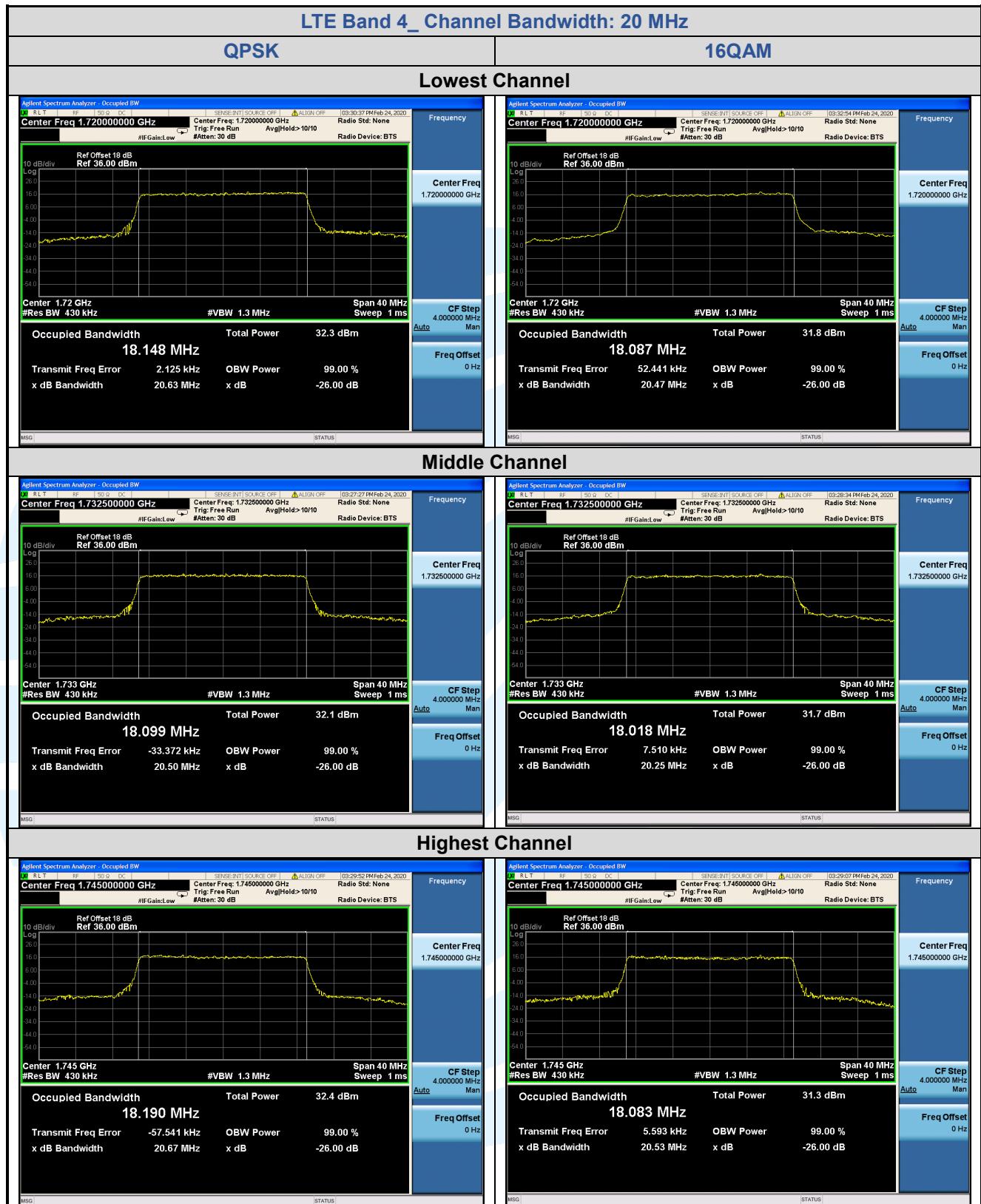












### 5.5.3 LTE Band 5

Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
<b>Channel Bandwidth: 1.4 MHz</b>								
Lowest	6	0	1.277	1.294	/	1.0989	1.0989	/
Middle	6	0	1.284	1.290	/	1.0996	1.0998	/
Highest	6	0	1.282	1.288	/	1.0986	1.0992	/
<b>Channel Bandwidth: 3 MHz</b>								
Lowest	15	0	3.111	3.098	/	2.7164	2.7077	/
Middle	15	0	3.120	3.116	/	2.7210	2.7094	/
Highest	15	0	3.088	3.141	/	2.7184	2.7215	/
<b>Channel Bandwidth: 5 MHz</b>								
Lowest	25	0	5.351	5.105	/	4.5257	4.4986	/
Middle	25	0	5.252	5.151	/	4.5336	4.5020	/
Highest	25	0	5.296	5.125	/	4.5358	4.5001	/
<b>Channel Bandwidth: 10 MHz</b>								
Lowest	50	0	10.51	10.00	/	9.0108	9.0068	/
Middle	50	0	10.46	10.01	/	9.0167	9.0086	/
Highest	50	0	10.36	10.29	/	9.0148	8.9871	/

