

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	1.302	1.280	/	1.0987	1.0980	/
Middle	6	0	1.292	1.282	/	1.1053	1.0962	/
Highest	6	0	1.350	1.312	/	1.1037	1.1067	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.939	2.939	/	2.7027	2.6937	/
Middle	15	0	2.921	2.951	/	2.6950	2.6946	/
Highest	15	0	2.942	2.933	/	2.7051	2.6991	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.205	5.203	/	4.5226	4.5266	/
Middle	25	0	5.204	5.172	/	4.5458	4.5254	/
Highest	25	0	5.204	5.198	/	4.5316	4.5524	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.20	10.21	/	9.0206	9.0128	/
Middle	50	0	10.35	10.08	/	9.0376	9.0269	/
Highest	50	0	10.43	10.06	/	9.0610	9.0374	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.09	15.17	/	13.528	13.514	/
Middle	75	0	15.20	15.08	/	13.559	13.536	/
Highest	75	0	15.21	15.02	/	13.525	13.562	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.96	19.79	/	18.016	17.990	/
Middle	100	0	19.94	19.90	/	18.027	18.080	/
Highest	100	0	19.79	20.67	/	18.017	18.022	/

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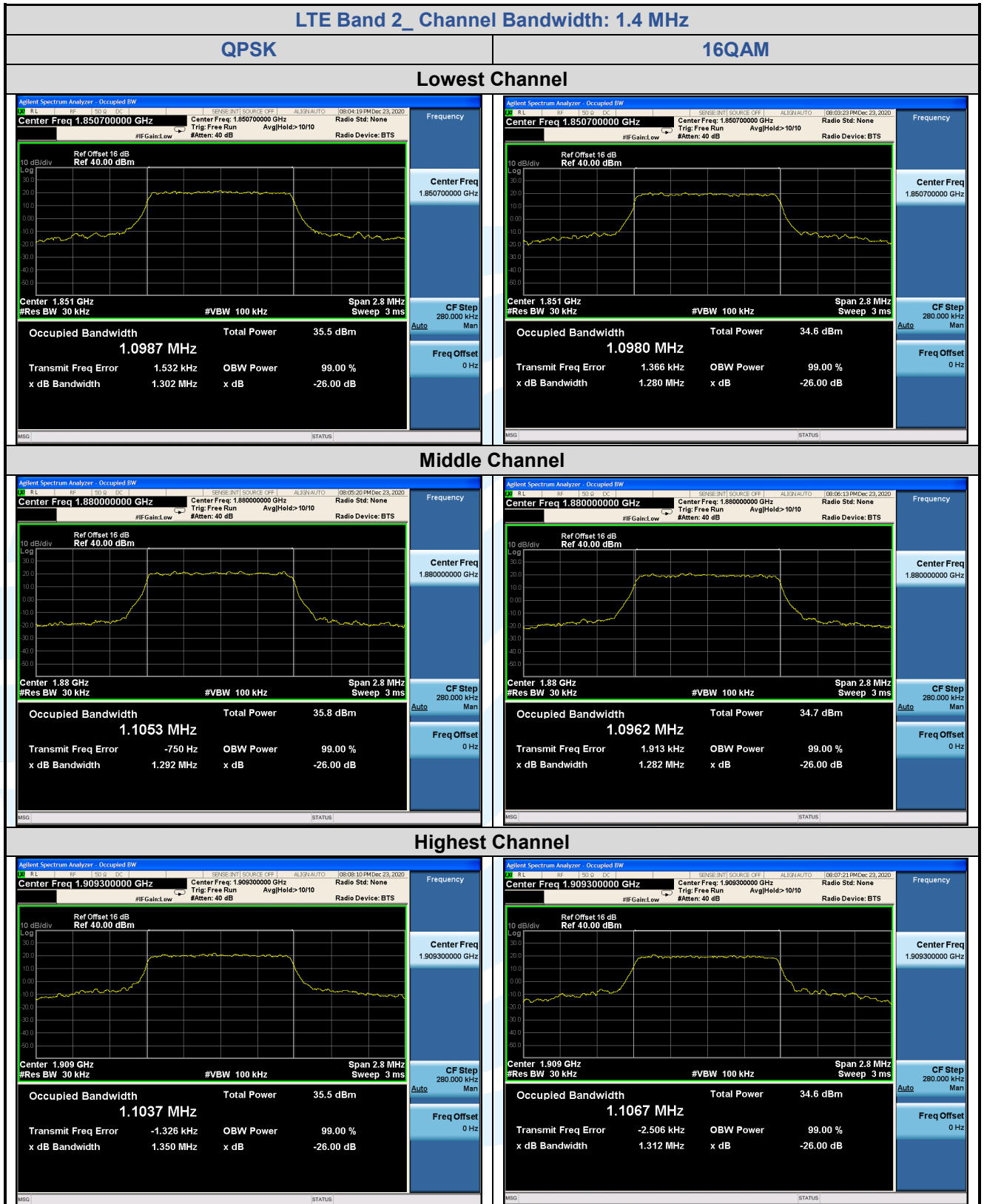
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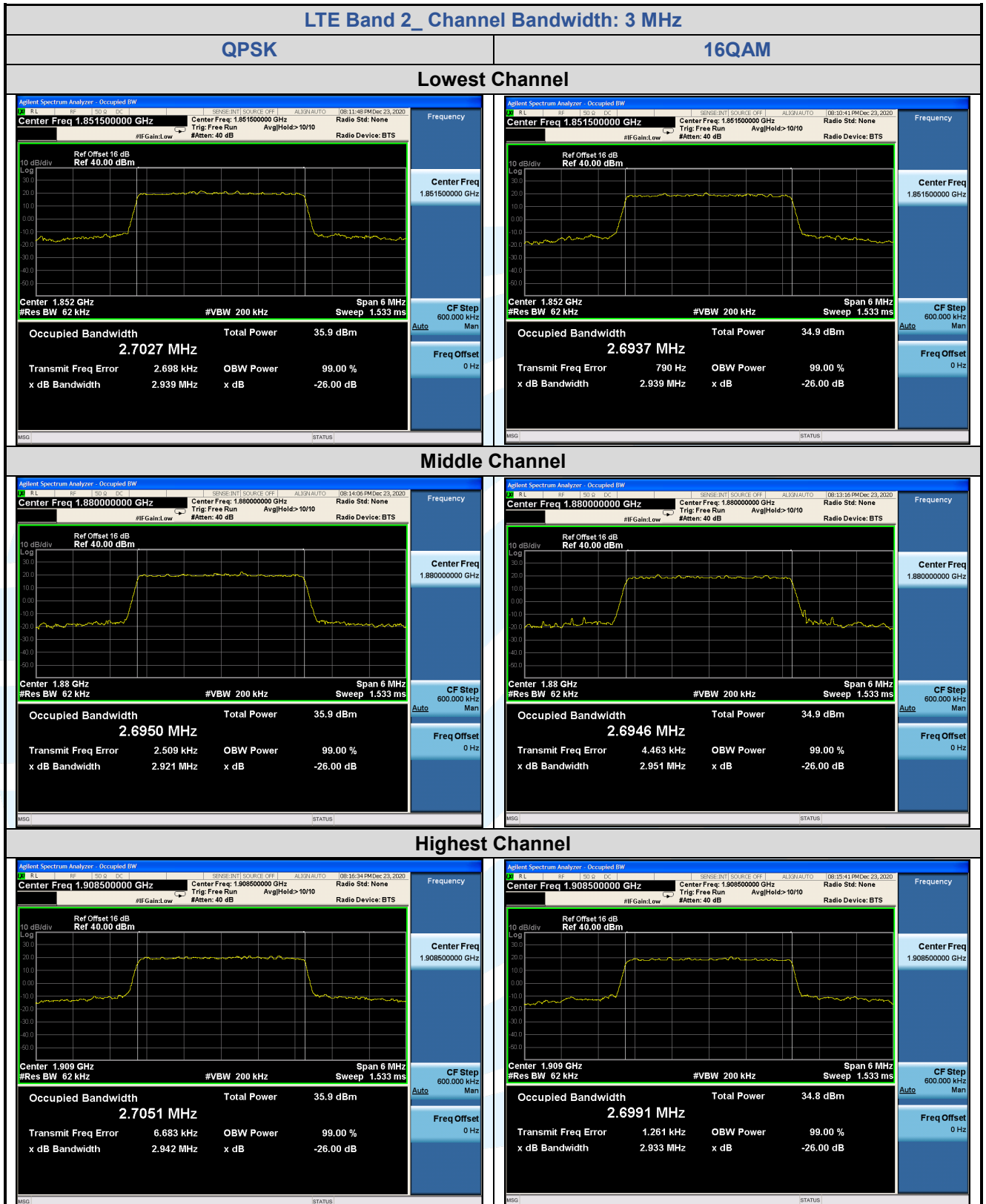
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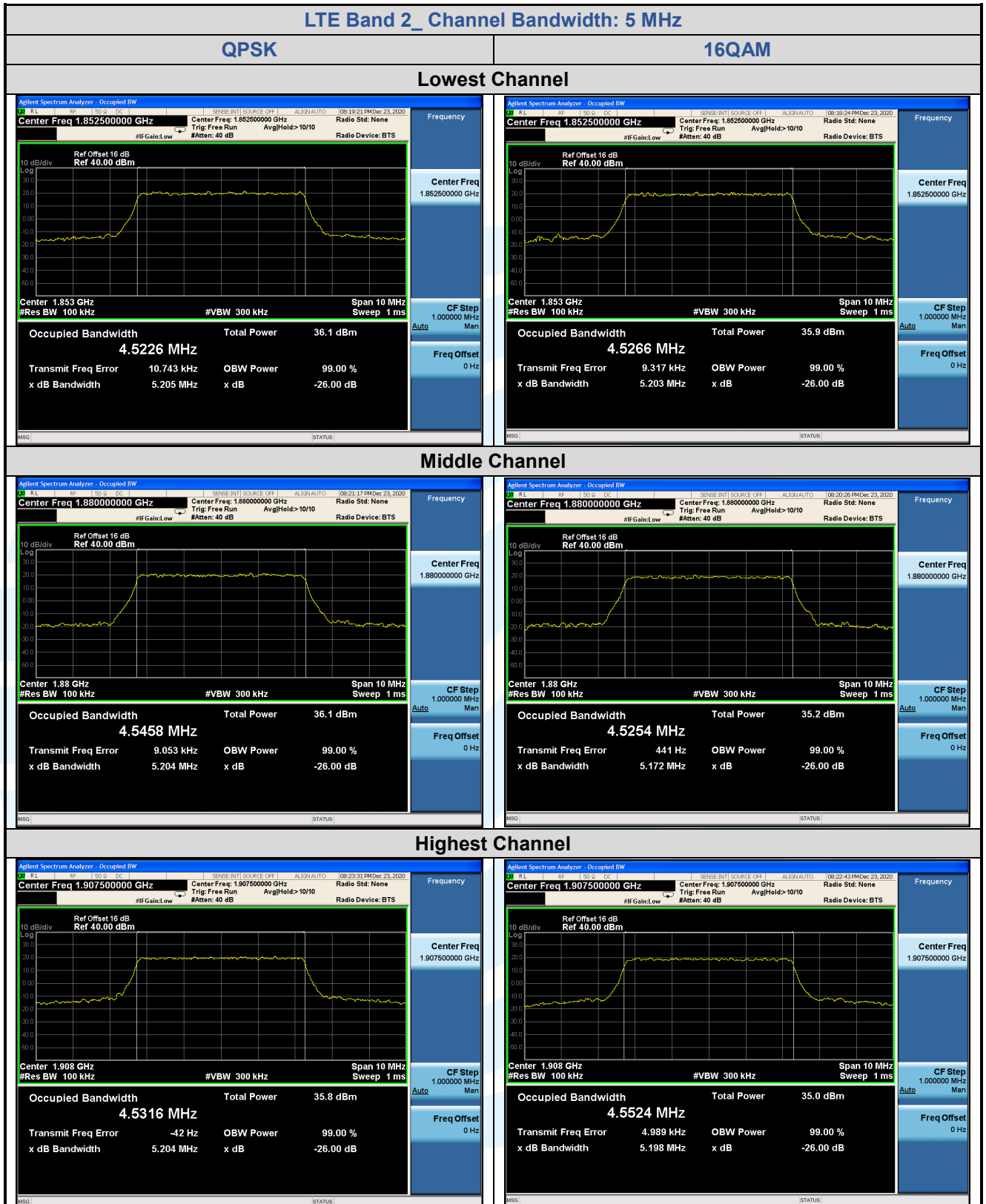
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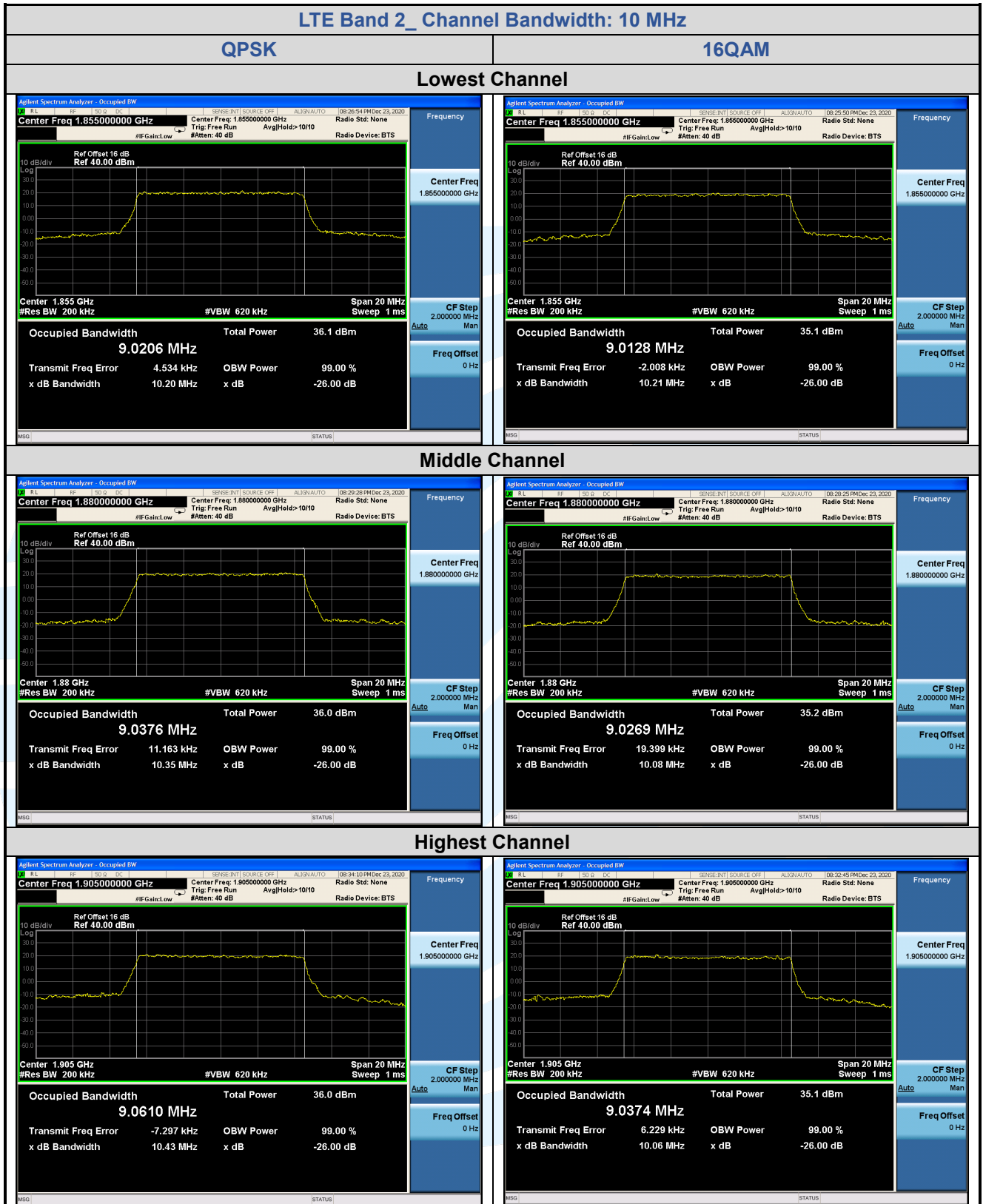
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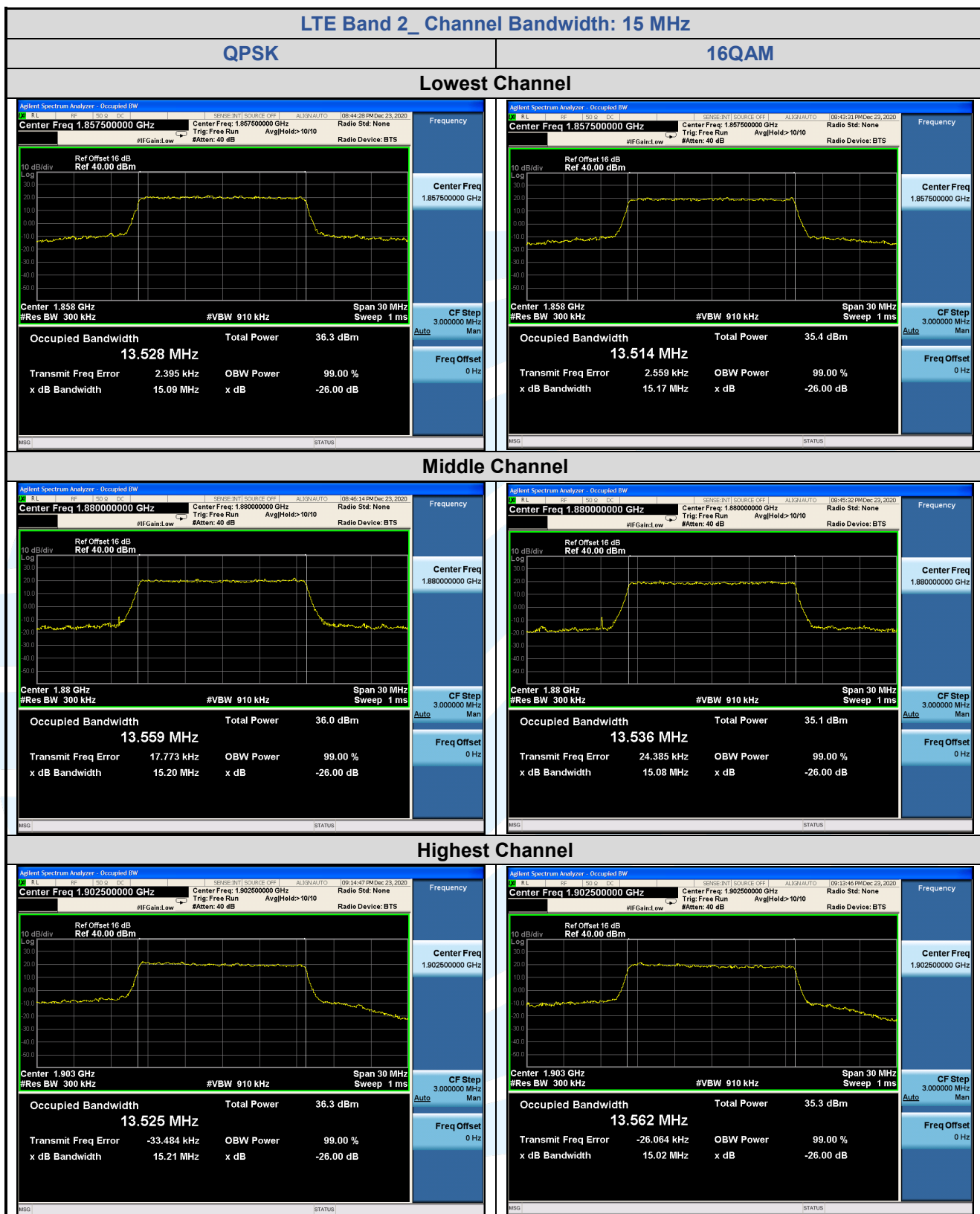
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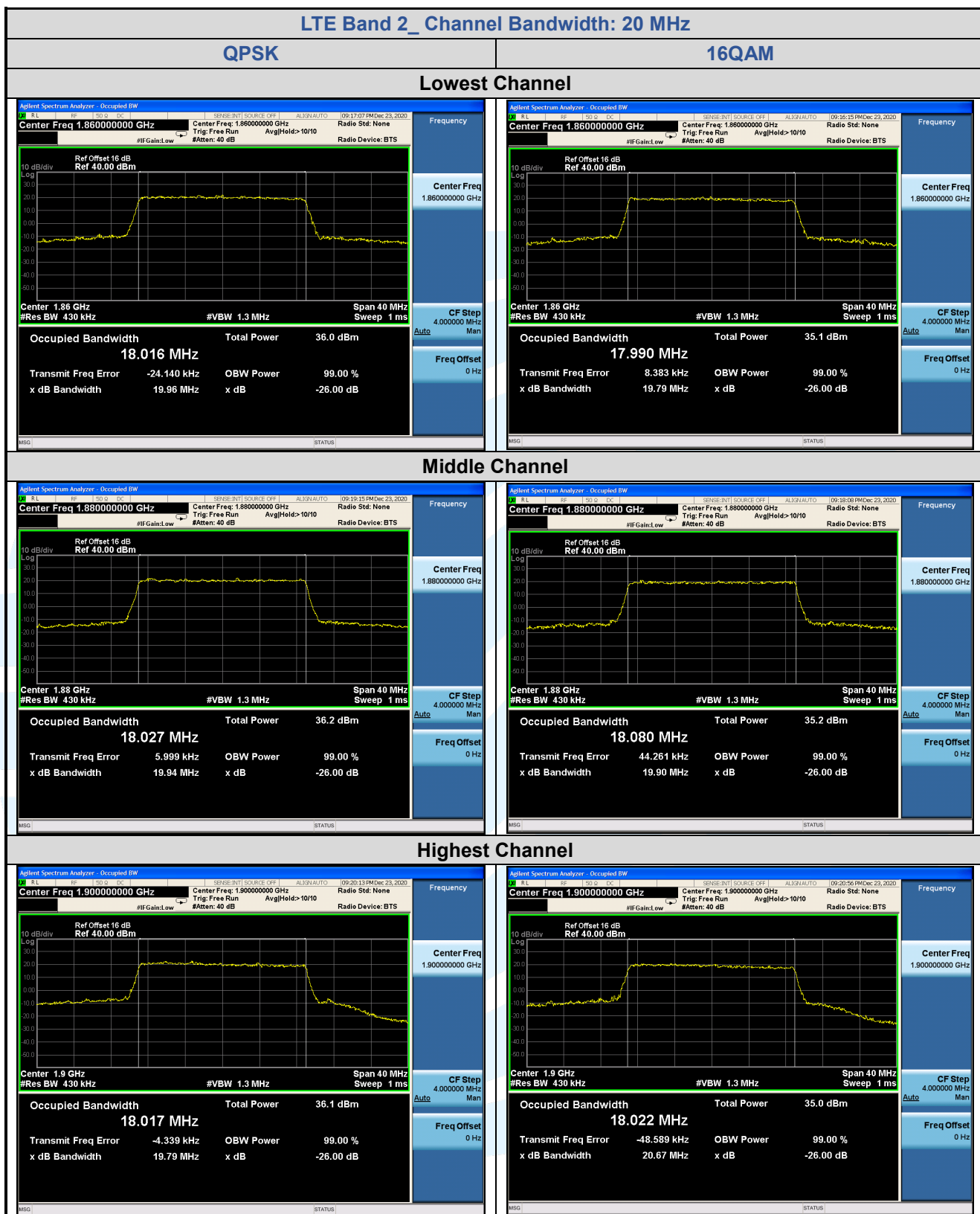












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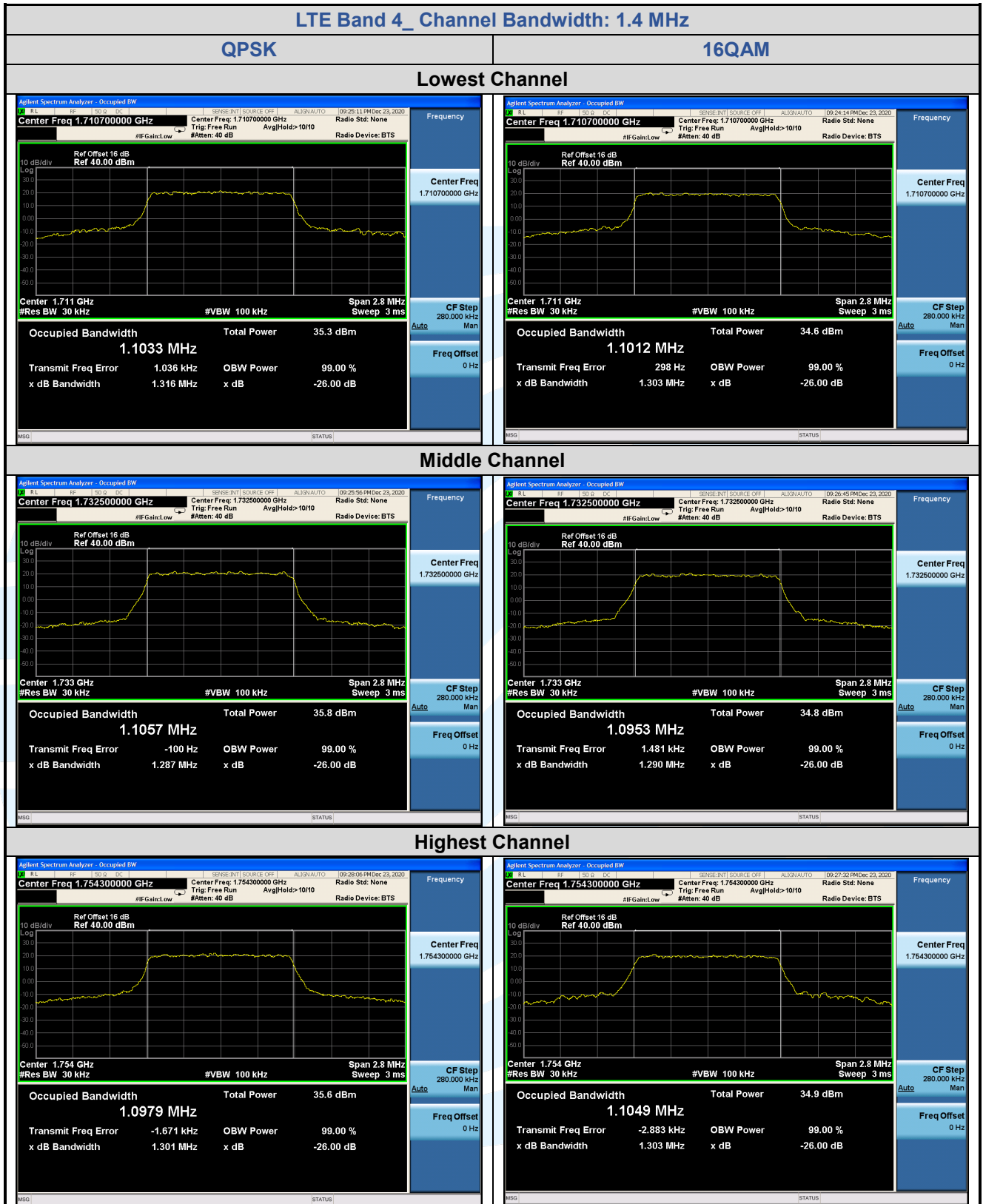
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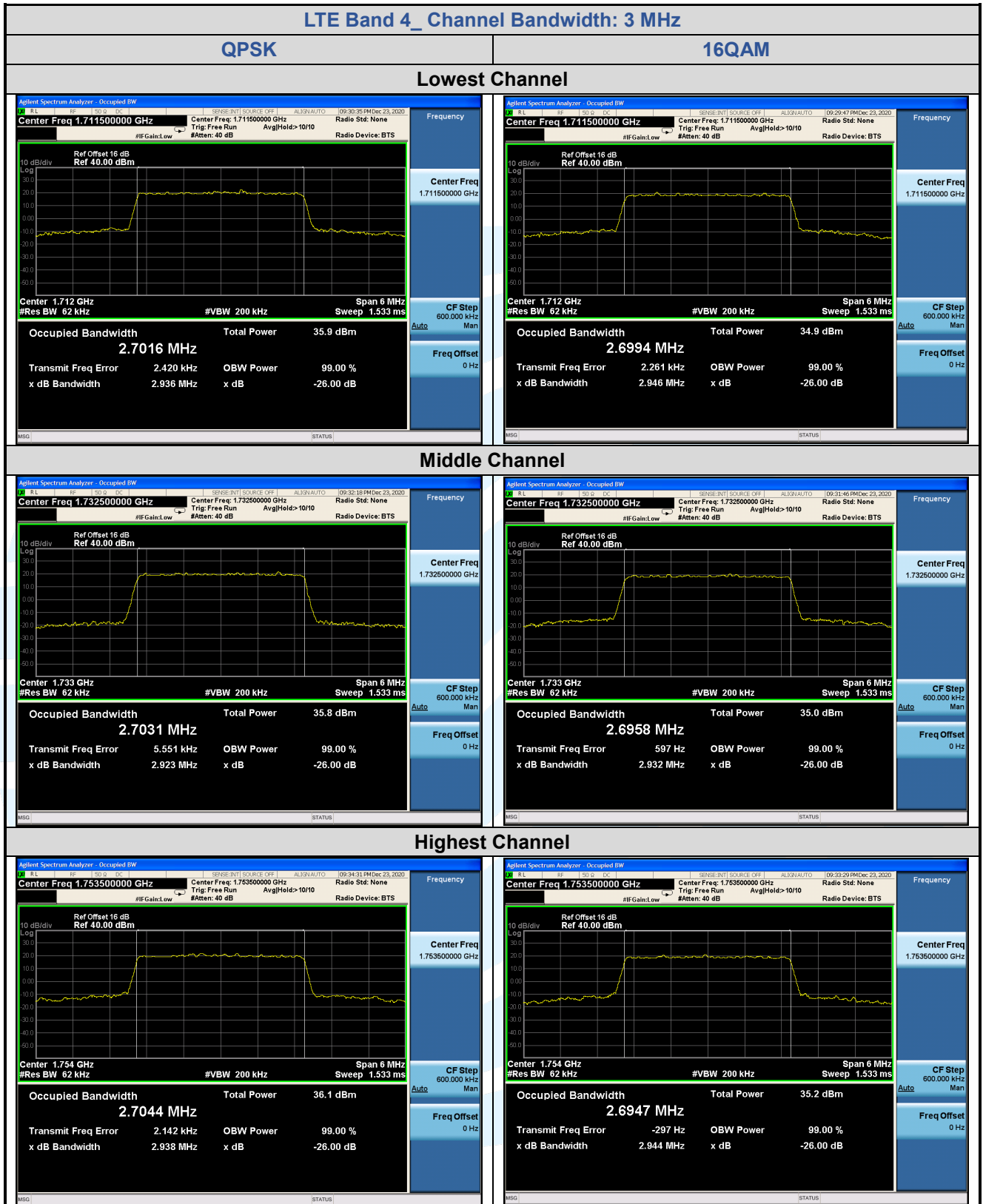
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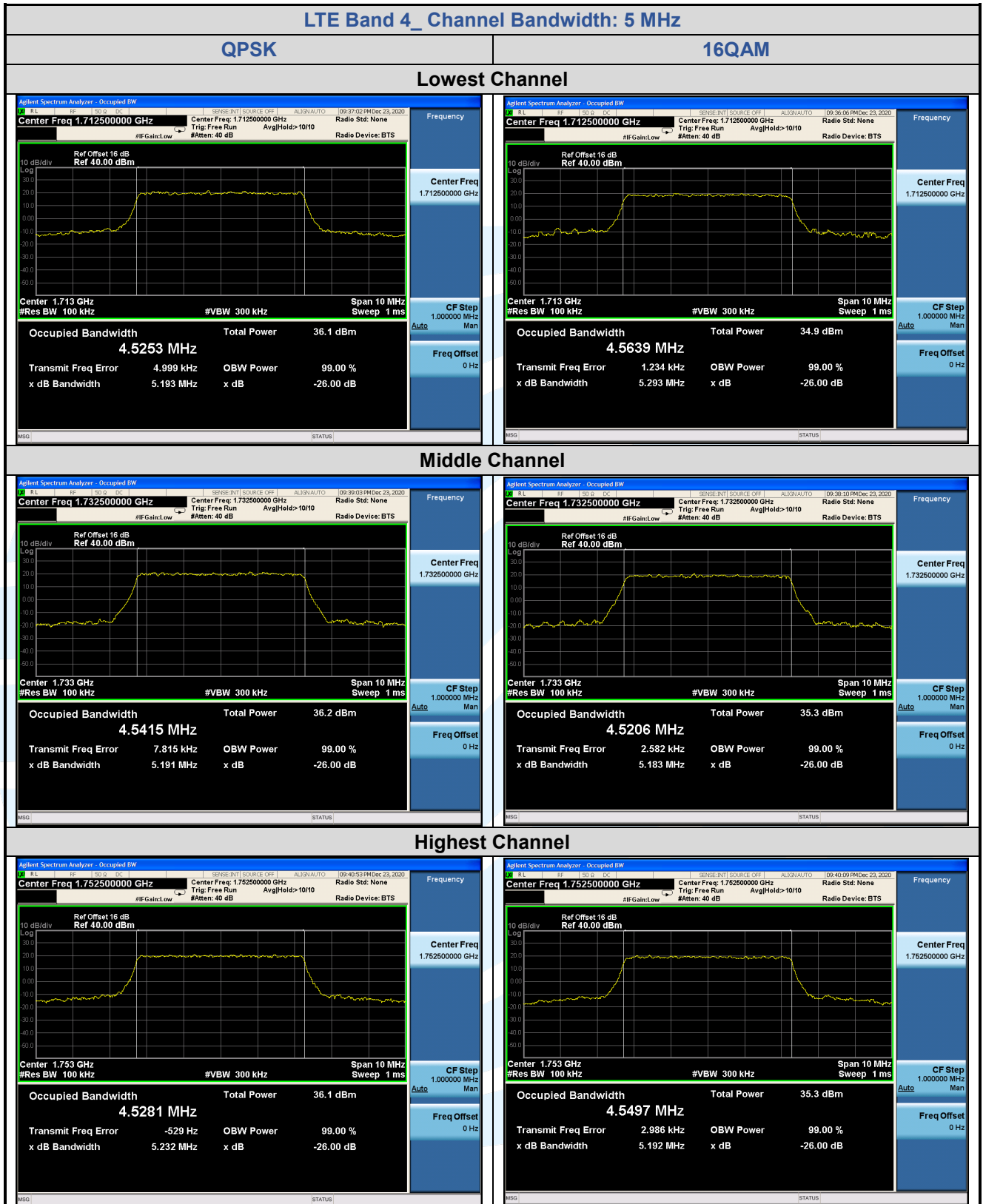
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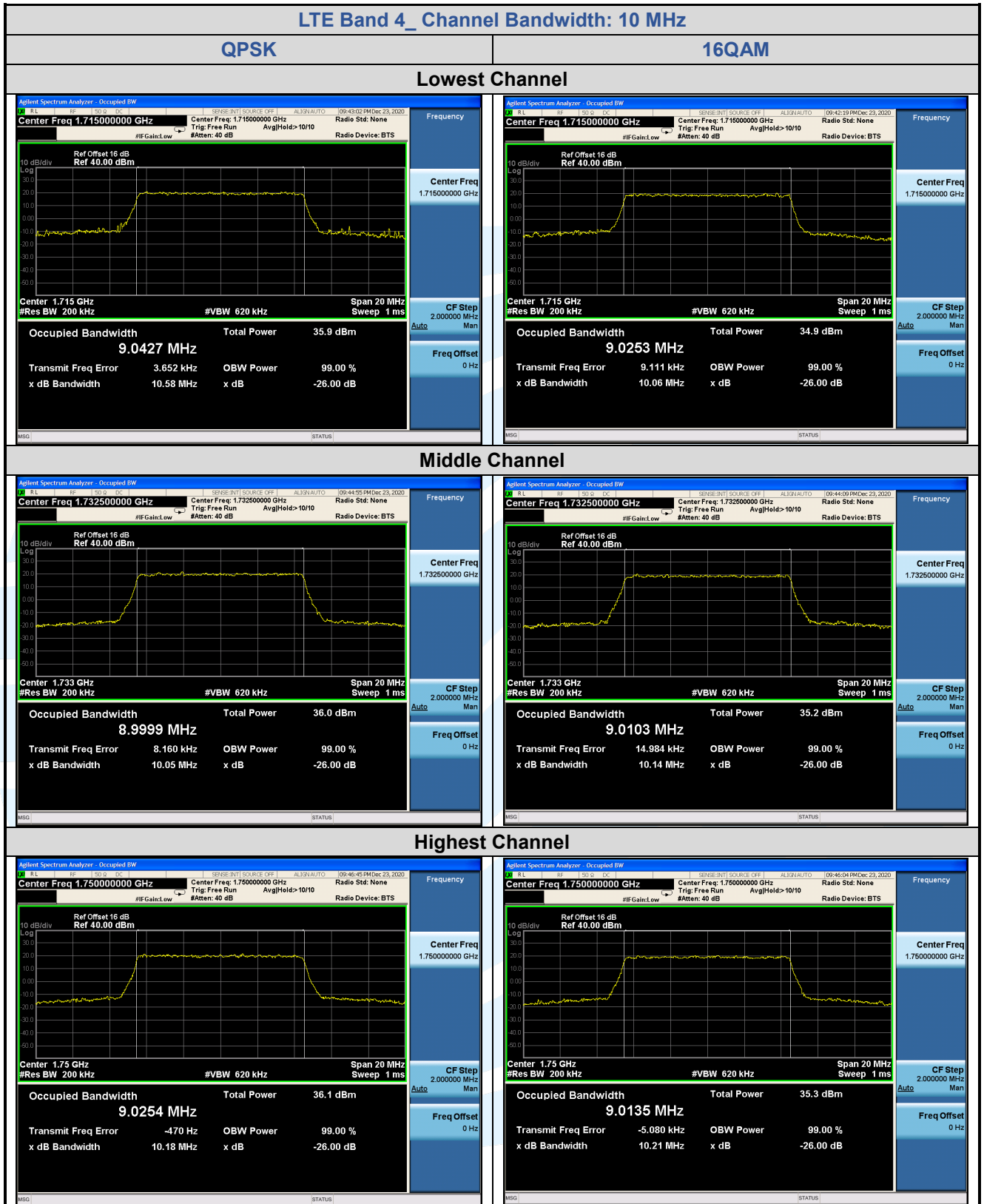
5.5.2 LTE Band 4

LTE Band 4								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.316	1.303	/	1.1033	1.1012	/
Middle	6	0	1.287	1.290	/	1.1057	1.0953	/
Highest	6	0	1.301	1.303	/	1.0979	1.1049	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.936	2.946	/	2.7016	2.6994	/
Middle	15	0	2.923	2.932	/	2.7031	2.6958	/
Highest	15	0	2.938	2.944	/	2.7044	2.6947	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.193	5.293	/	4.5253	4.5639	/
Middle	25	0	5.191	5.183	/	4.5415	4.5206	/
Highest	25	0	5.232	5.192	/	4.5281	4.5497	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.58	10.06	/	9.0427	9.0253	/
Middle	50	0	10.05	10.14	/	8.9999	9.0103	/
Highest	50	0	10.18	10.21	/	9.0254	9.0135	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.30	15.22	/	13.524	13.548	/
Middle	75	0	15.14	15.06	/	13.531	13.525	/
Highest	75	0	15.10	15.06	/	13.479	13.517	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	20.07	19.98	/	18.072	18.041	/
Middle	100	0	19.87	19.86	/	18.010	18.052	/
Highest	100	0	19.79	19.97	/	17.991	18.015	/









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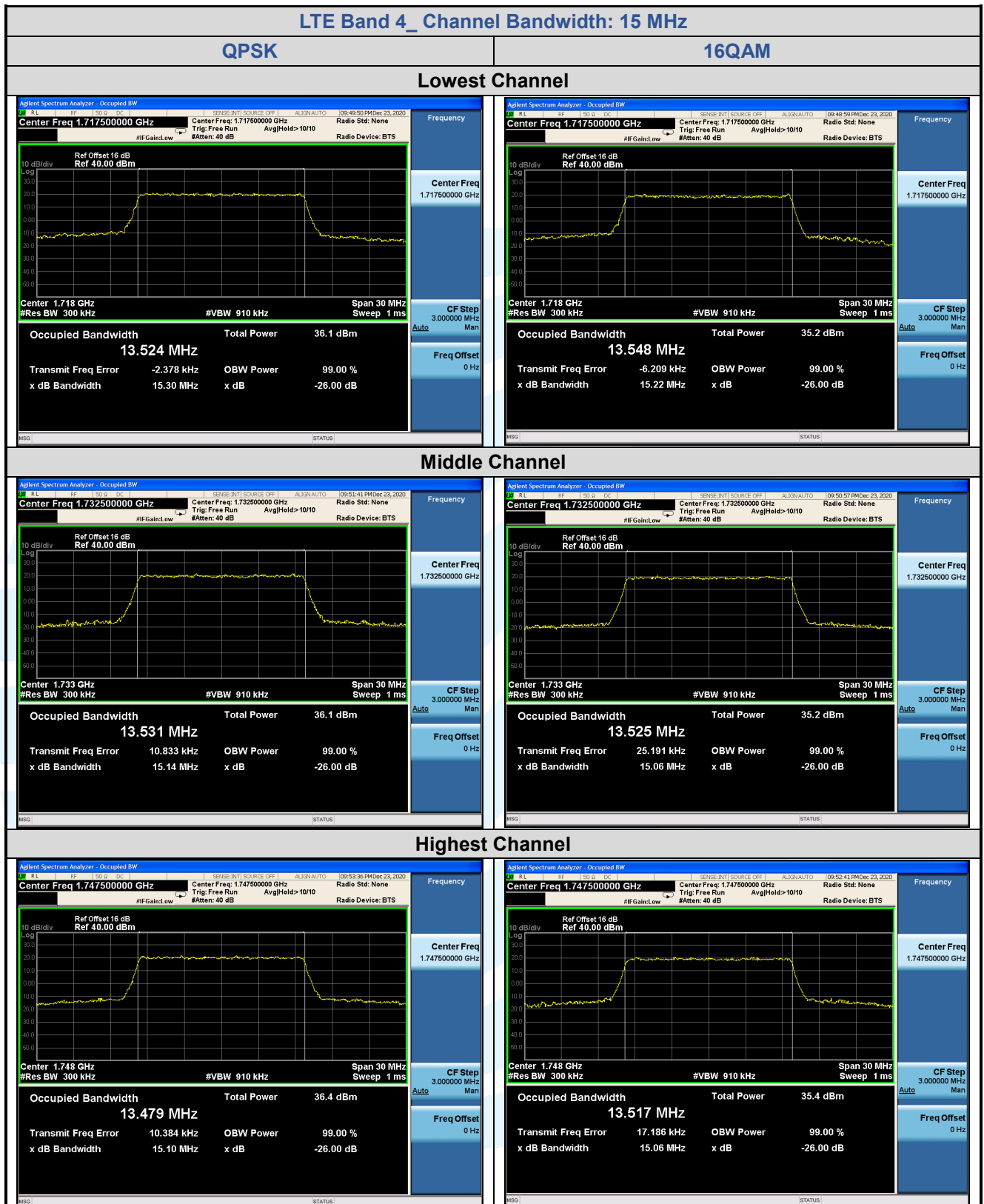
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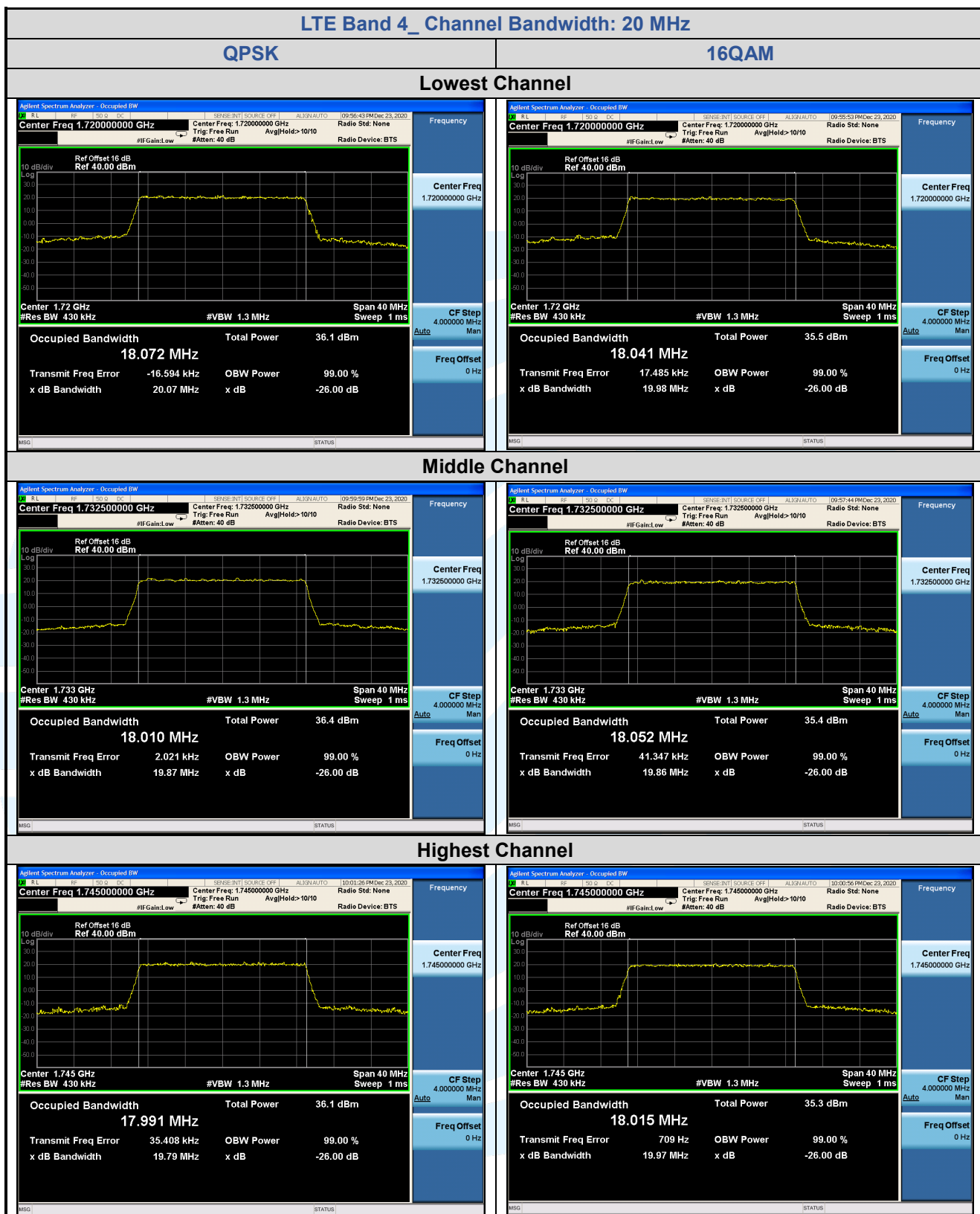
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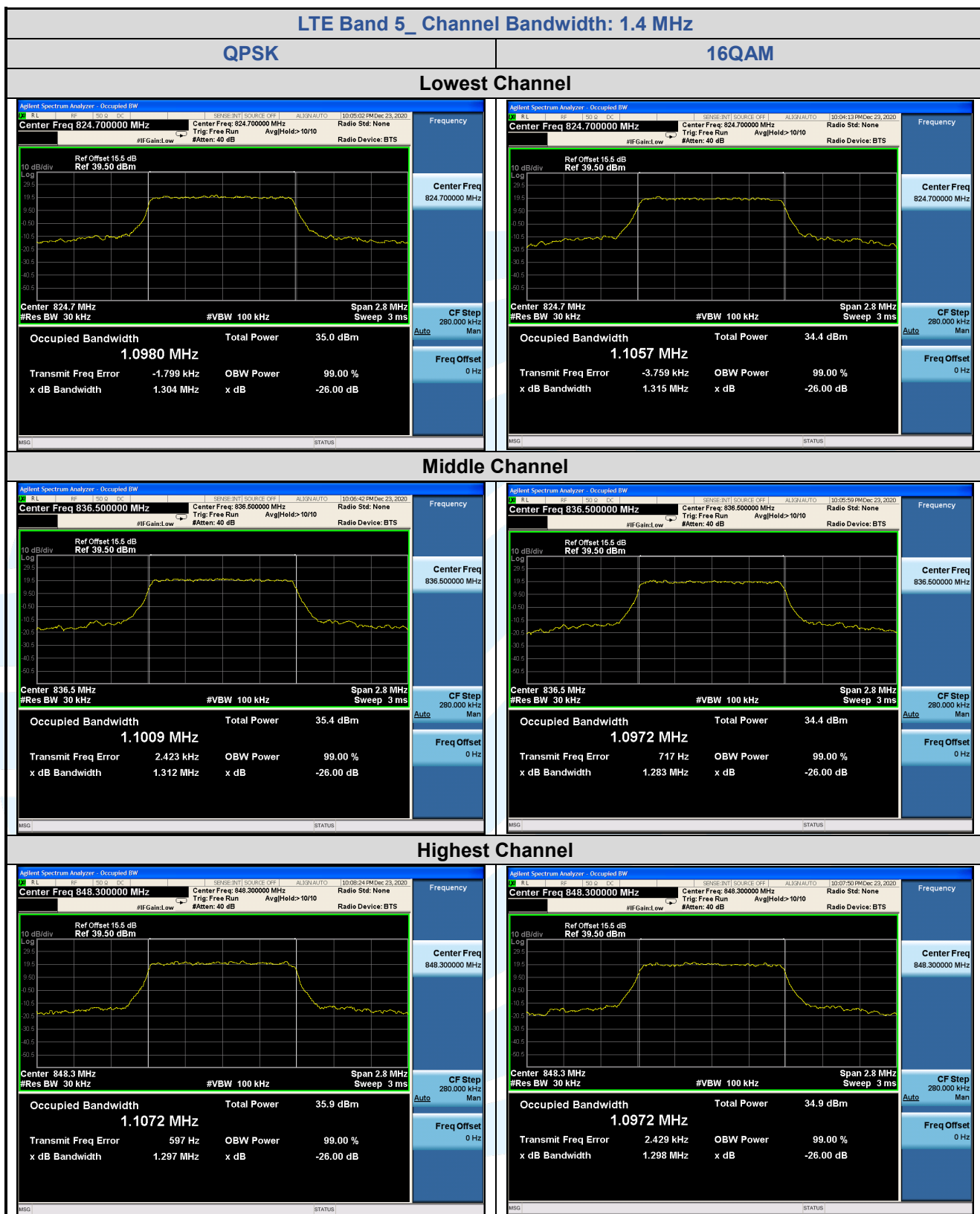
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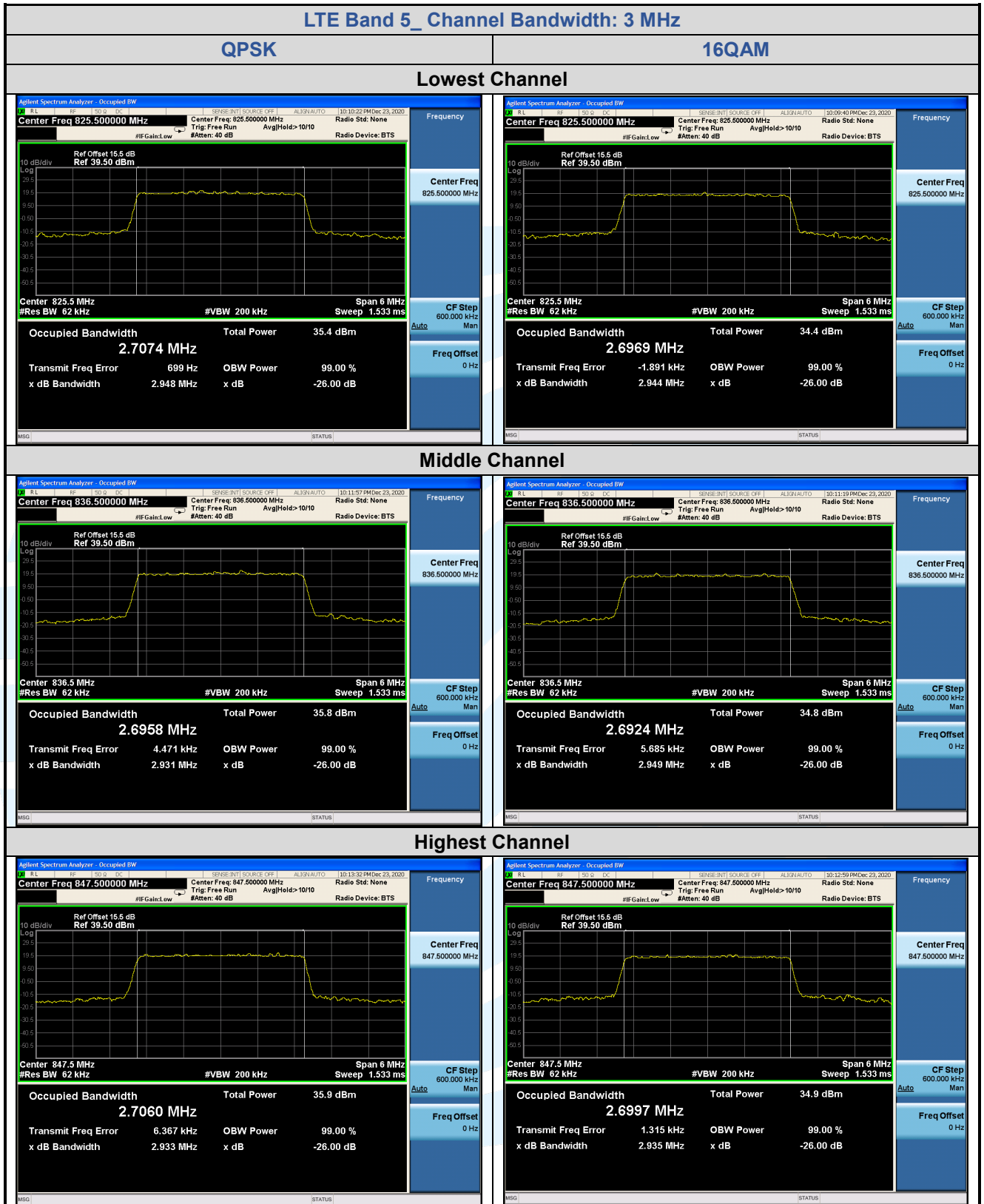


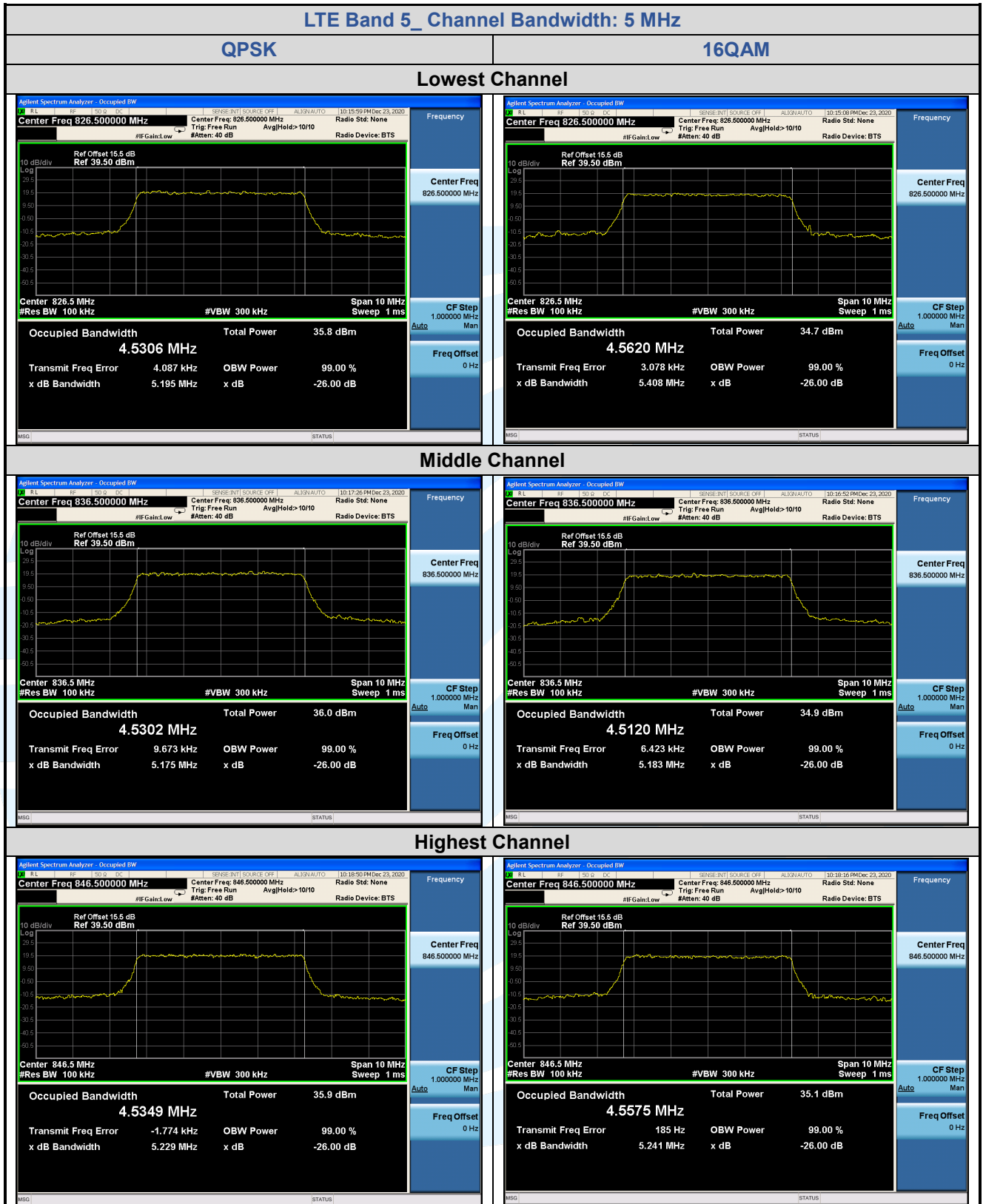


5.5.3 LTE Band 5

LTE Band 5								
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	1.304	1.315	/	1.0980	1.1057	/
Middle	6	0	1.312	1.283	/	1.1009	1.0972	/
Highest	6	0	1.297	1.298	/	1.1072	1.0972	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.948	2.944	/	2.7074	2.6969	/
Middle	15	0	2.931	2.949	/	2.6958	2.6924	/
Highest	15	0	2.933	2.935	/	2.7060	2.6997	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.195	5.408	/	4.5306	4.5620	/
Middle	25	0	5.175	5.183	/	4.5302	4.5120	/
Highest	25	0	5.229	5.241	/	4.5349	4.5575	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.22	10.27	/	9.0522	9.0402	/
Middle	50	0	10.23	10.01	/	8.9842	8.9876	/
Highest	50	0	10.11	10.13	/	9.0291	9.0474	/







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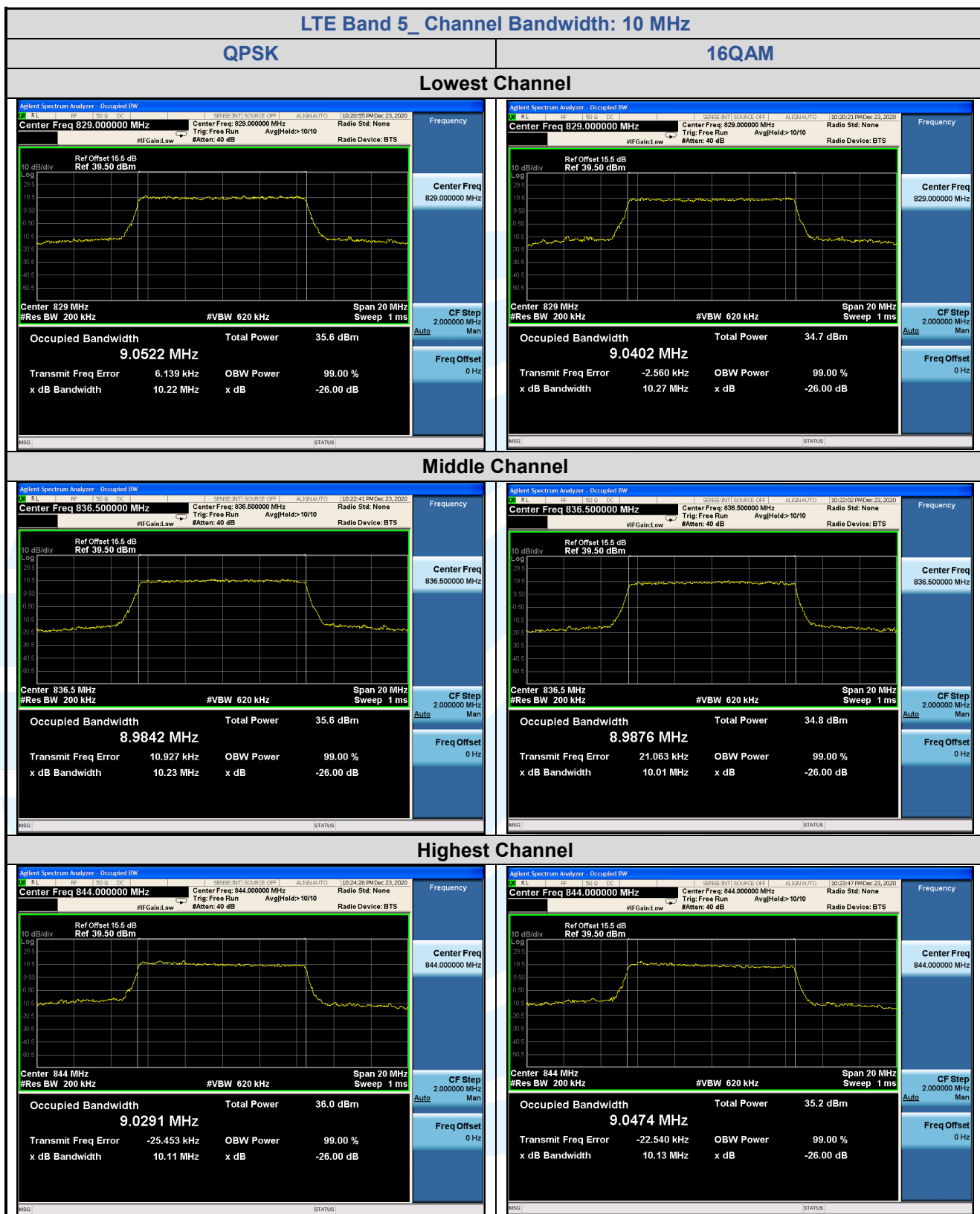
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5.5.4 LTE Band 7

LTE Band 7								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.225	5.219	/	4.5336	4.5581	/
Middle	25	0	5.213	5.229	/	4.5245	4.5554	/
Highest	25	0	5.244	5.371	/	4.5480	4.5383	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.17	10.22	/	9.0364	9.0172	/
Middle	50	0	10.29	10.03	/	9.0285	9.0158	/
Highest	50	0	10.22	10.18	/	9.0174	9.0283	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.37	15.21	/	13.562	13.546	/
Middle	75	0	15.20	15.02	/	13.544	13.509	/
Highest	75	0	15.40	15.18	/	13.510	13.549	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	20.13	19.96	/	18.075	18.088	/
Middle	100	0	19.79	19.75	/	17.969	18.022	/
Highest	100	0	19.89	19.99	/	18.031	18.056	/

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