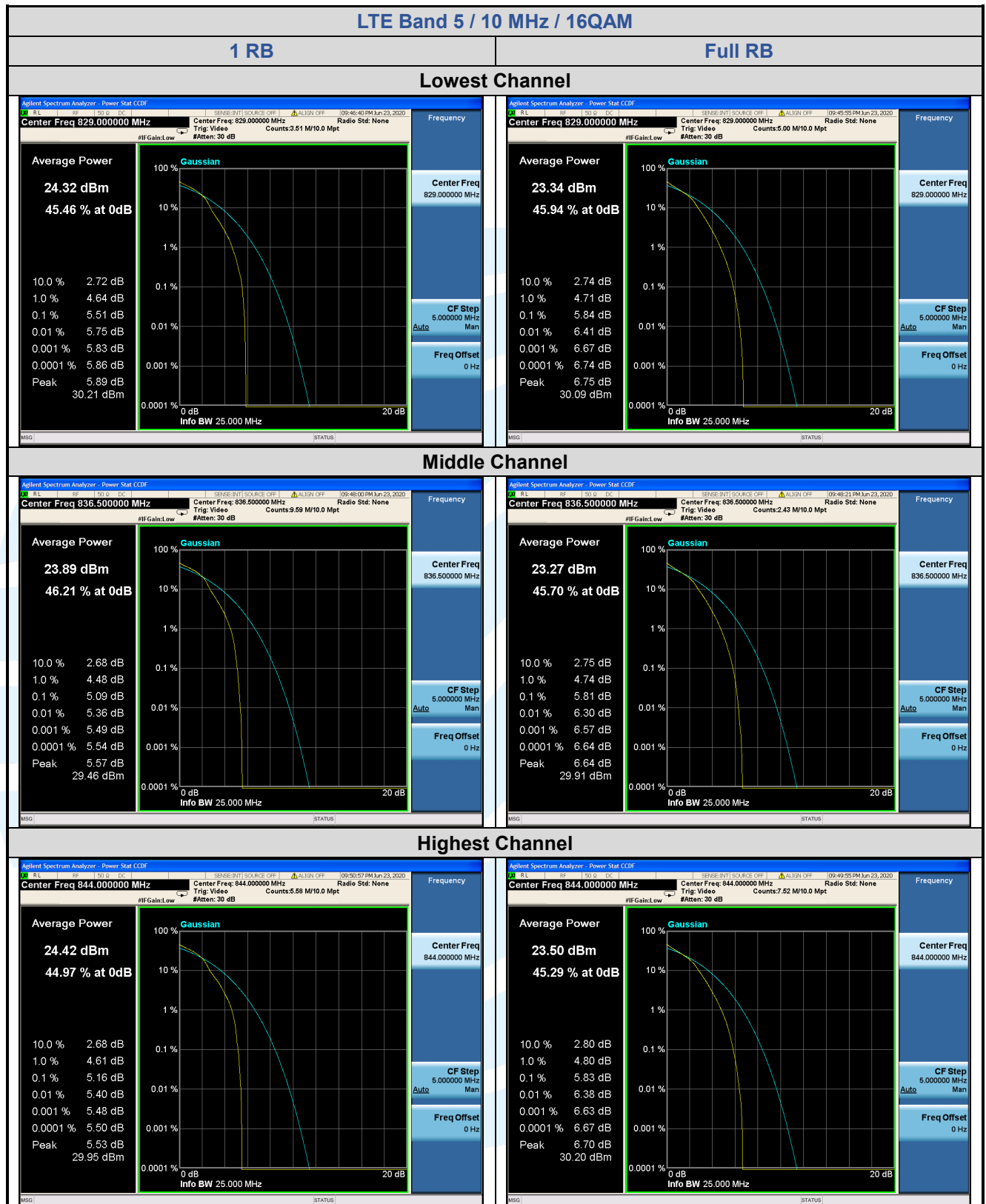
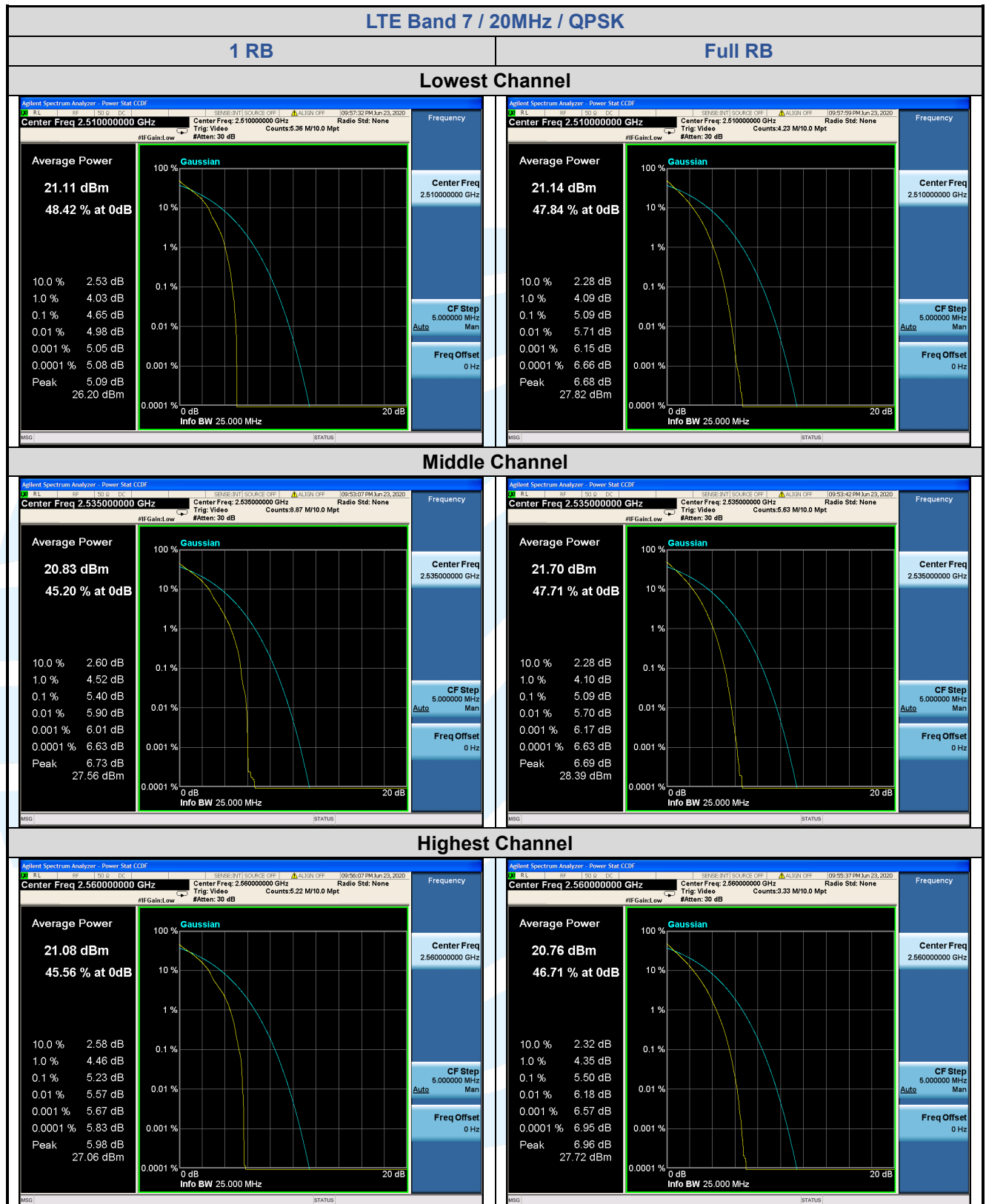
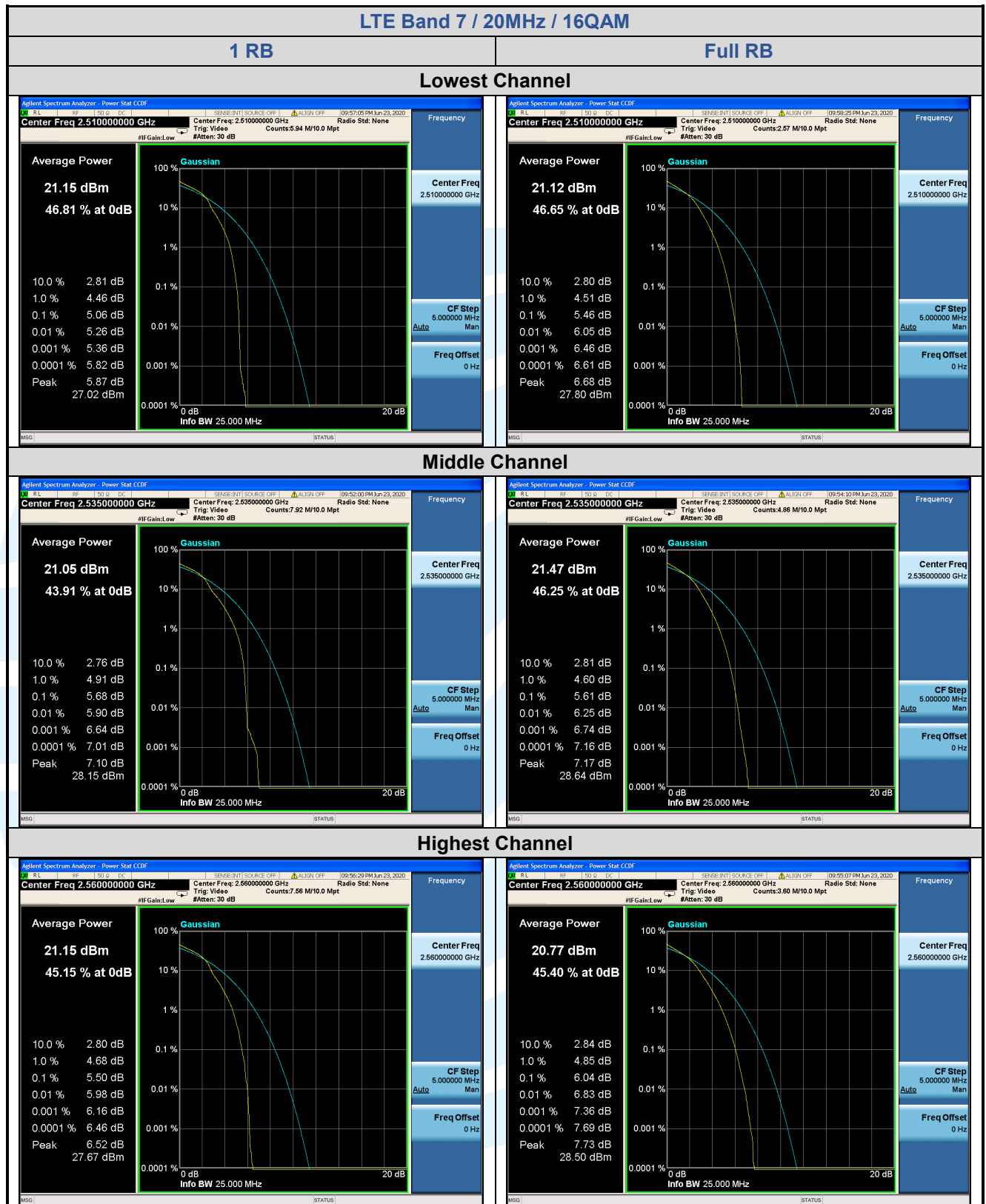




5.4.4 LTE Band 7

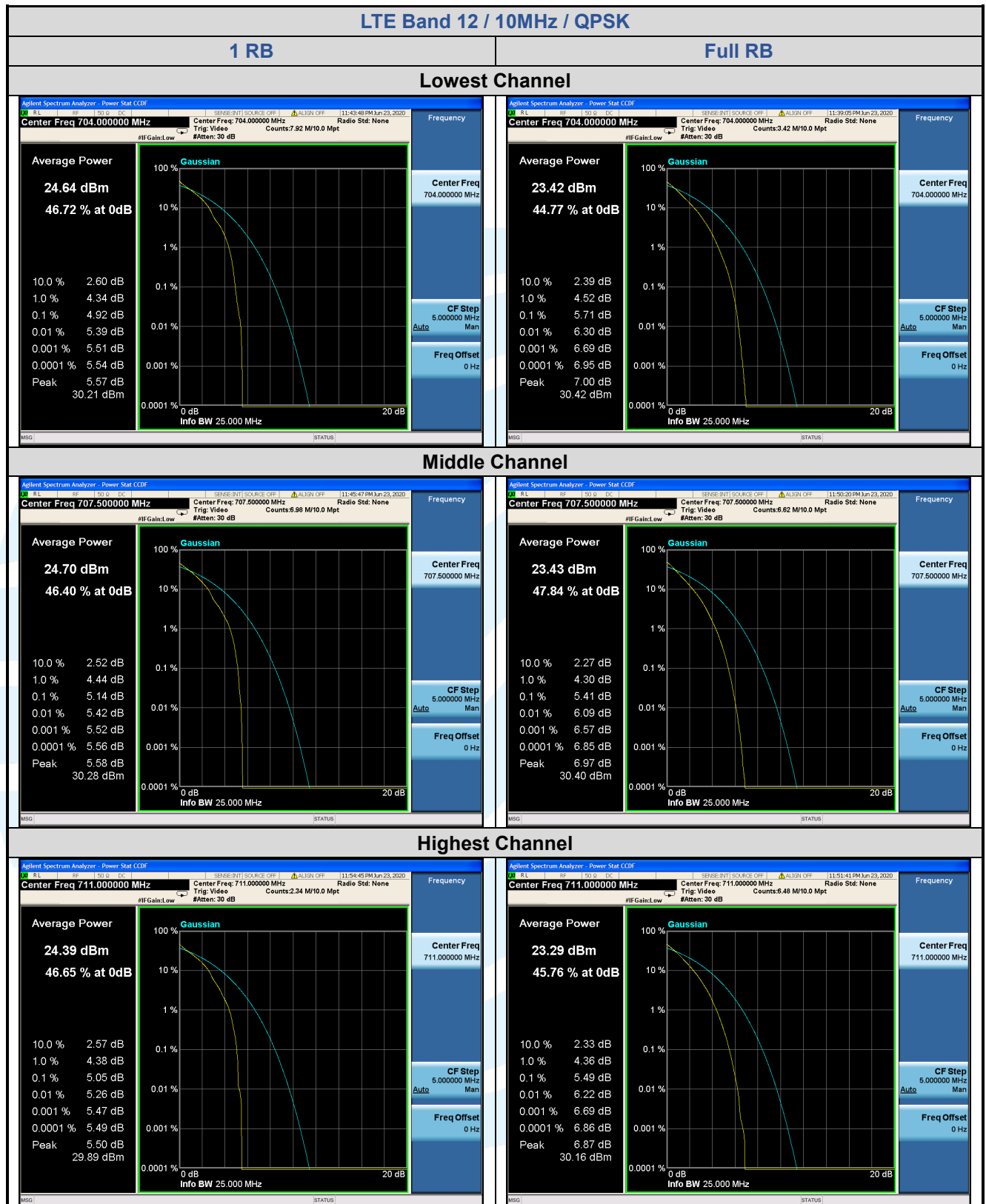
LTE Band 7 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.65	5.06	/	13	Pass
	Full RB	5.09	5.46	/	13	Pass
Middle	1 RB	5.40	5.68	/	13	Pass
	Full RB	5.09	5.61	/	13	Pass
Highest	1 RB	5.23	5.50	/	13	Pass
	Full RB	5.50	6.04	/	13	Pass

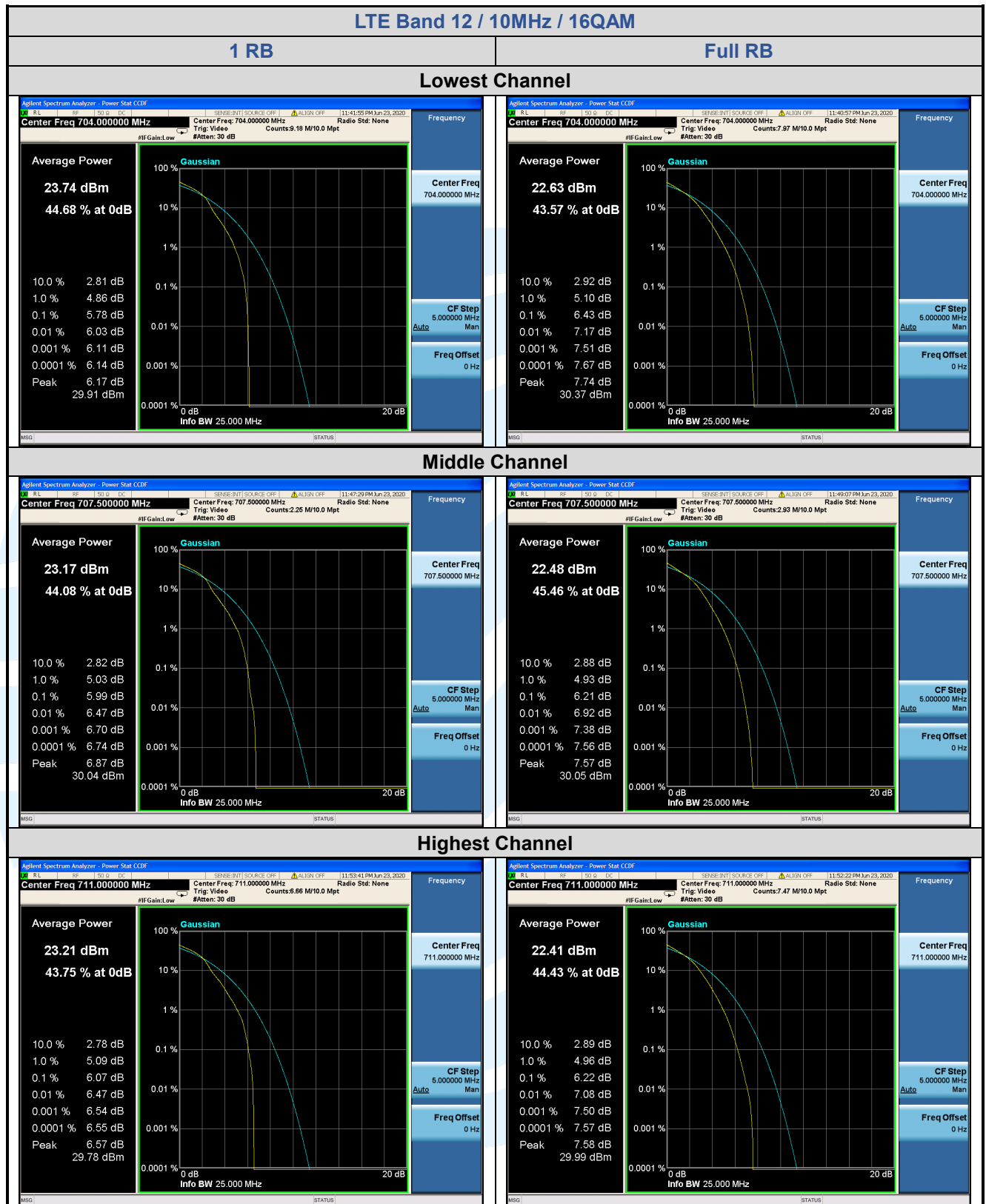




5.4.5 LTE Band 12

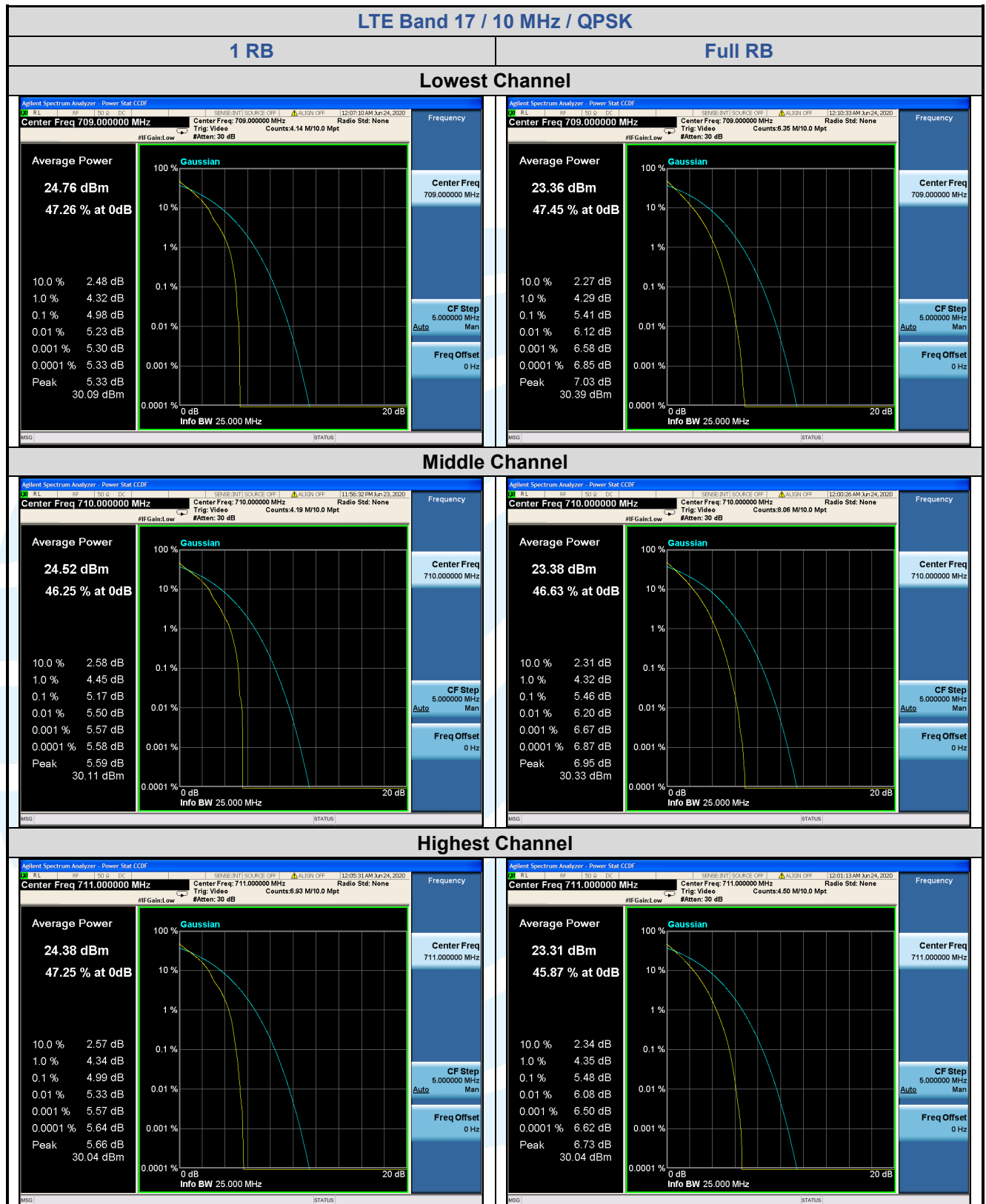
LTE Band 12 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.92	5.78	/	13	Pass
	Full RB	5.71	6.43	/	13	Pass
Middle	1 RB	5.14	5.99	/	13	Pass
	Full RB	5.41	6.21	/	13	Pass
Highest	1 RB	5.05	6.07	/	13	Pass
	Full RB	5.49	6.22	/	13	Pass

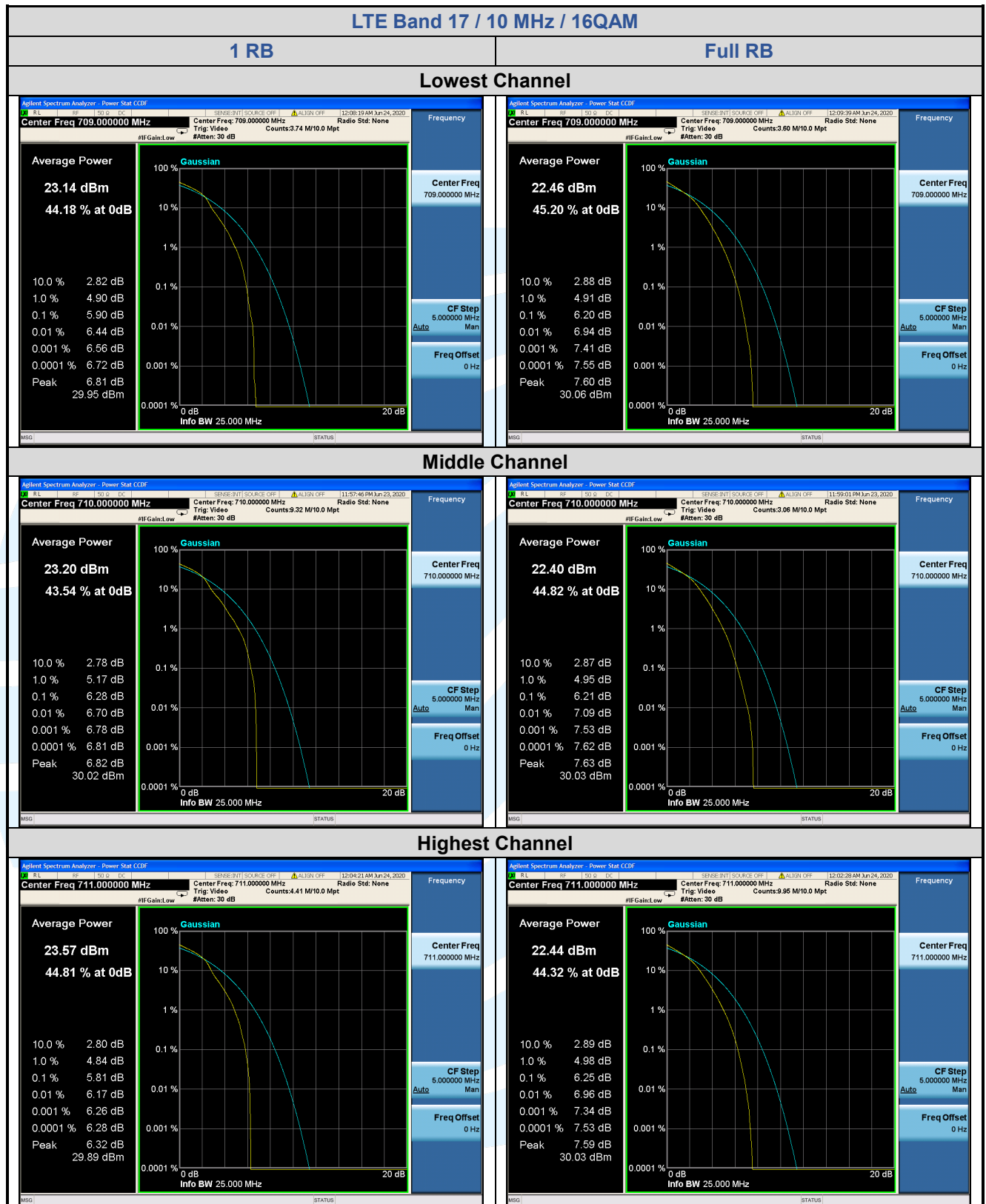




5.4.6 LTE Band 17

LTE Band 17 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.98	5.90	/	13	Pass
	Full RB	5.41	6.20	/	13	Pass
Middle	1 RB	5.17	6.28	/	13	Pass
	Full RB	5.46	6.21	/	13	Pass
Highest	1 RB	4.99	5.81	/	13	Pass
	Full RB	5.48	6.25	/	13	Pass





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

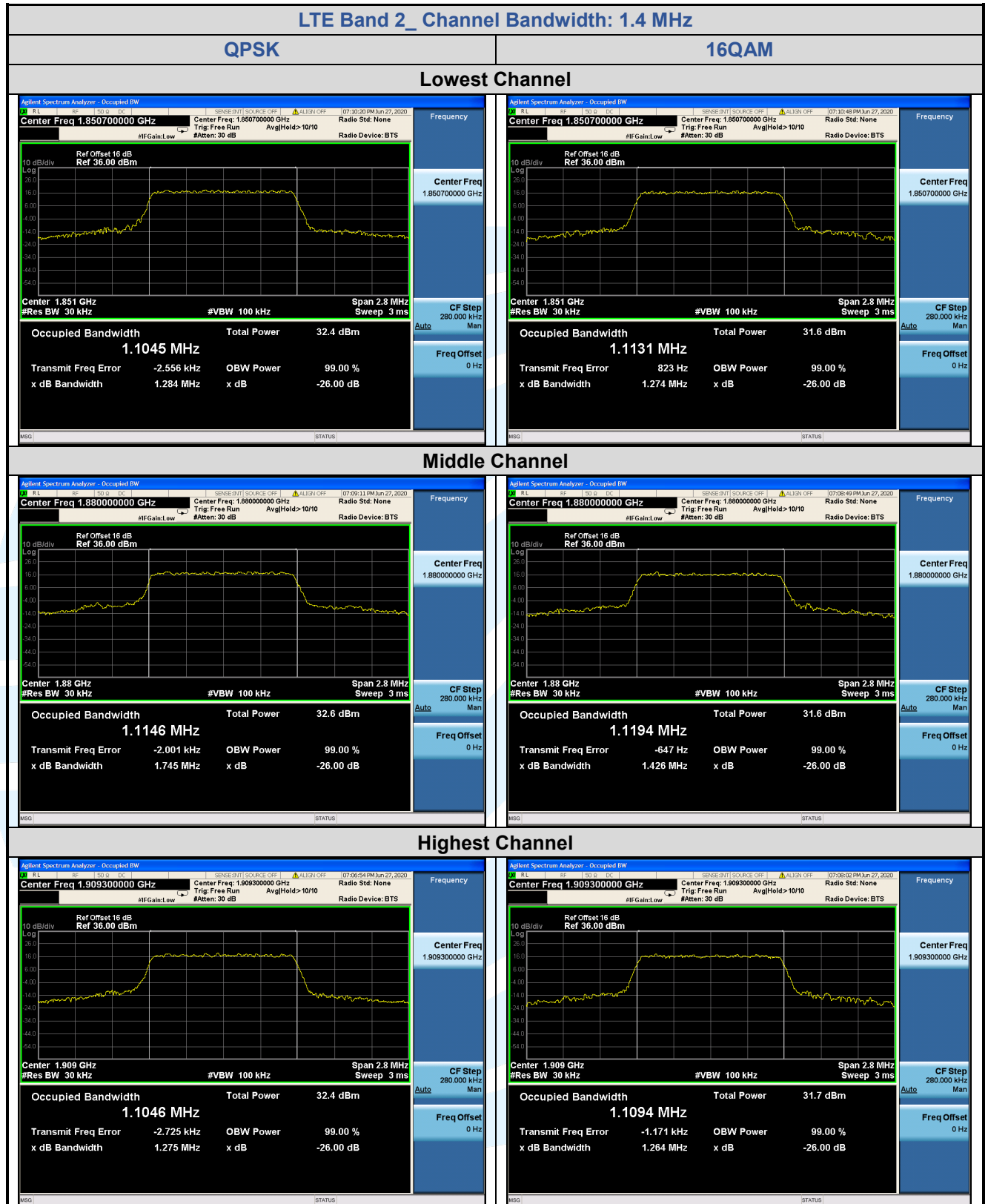
Test Mode: Link mode

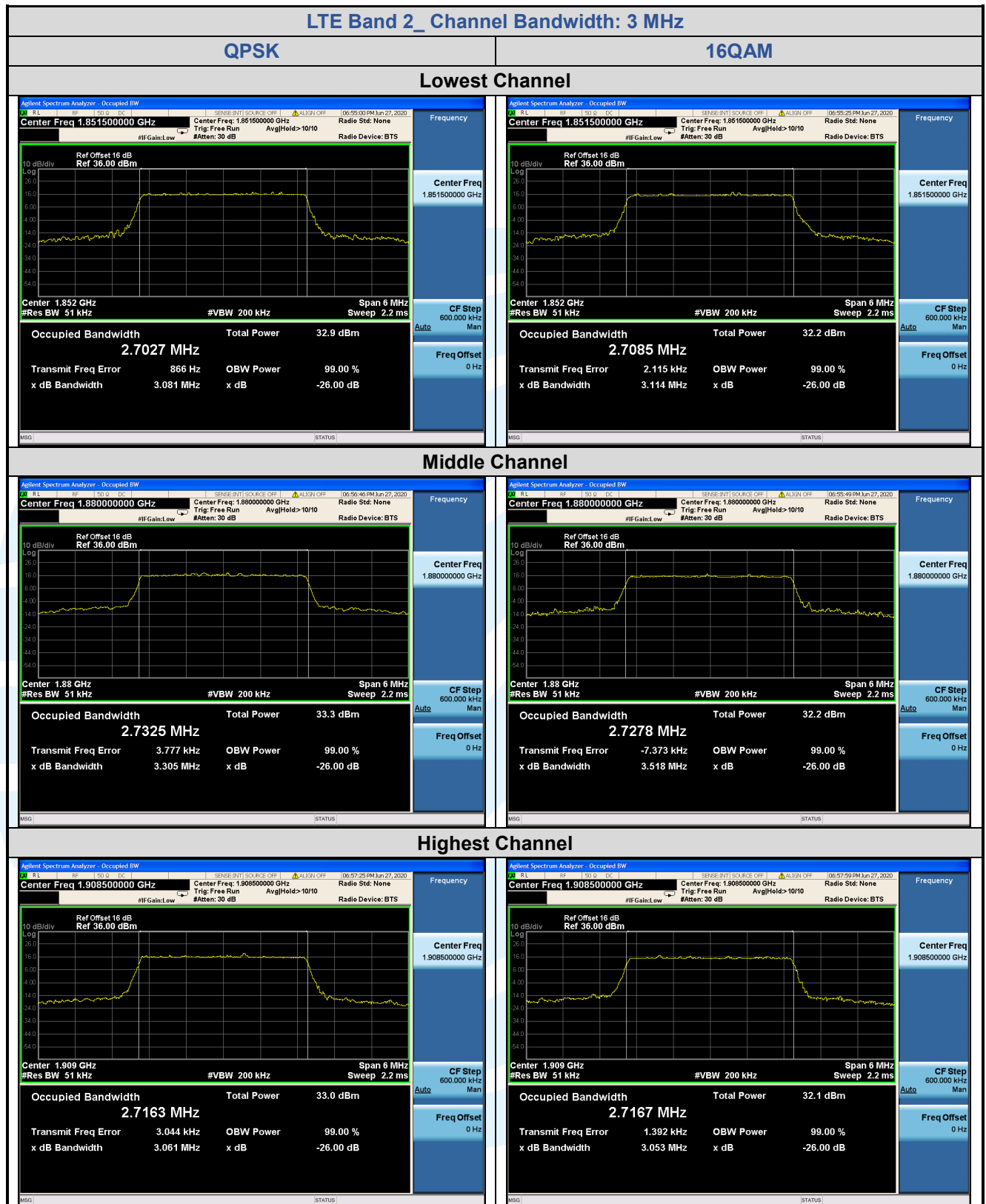
Test Results: Pass

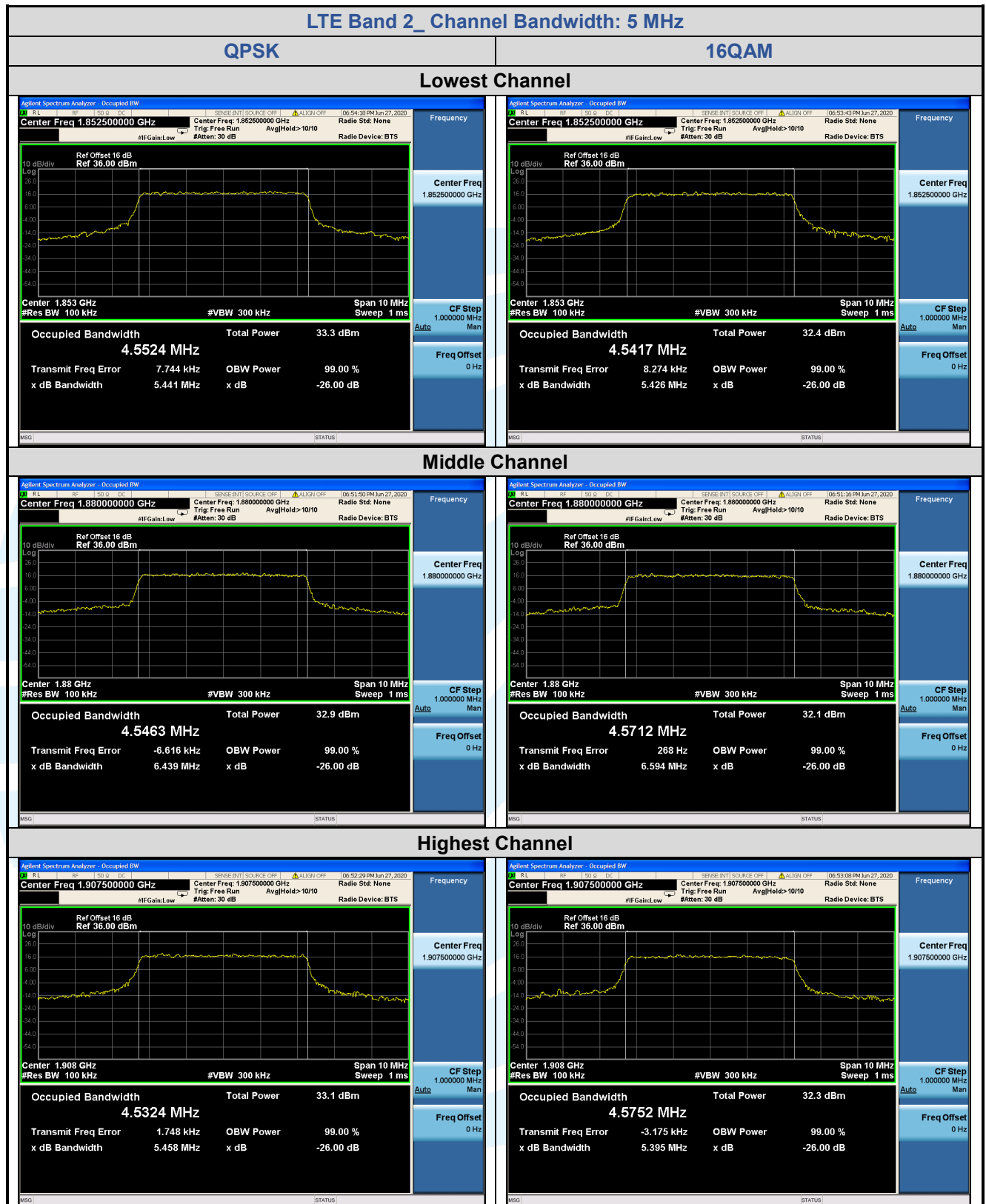
Test Data: See table below

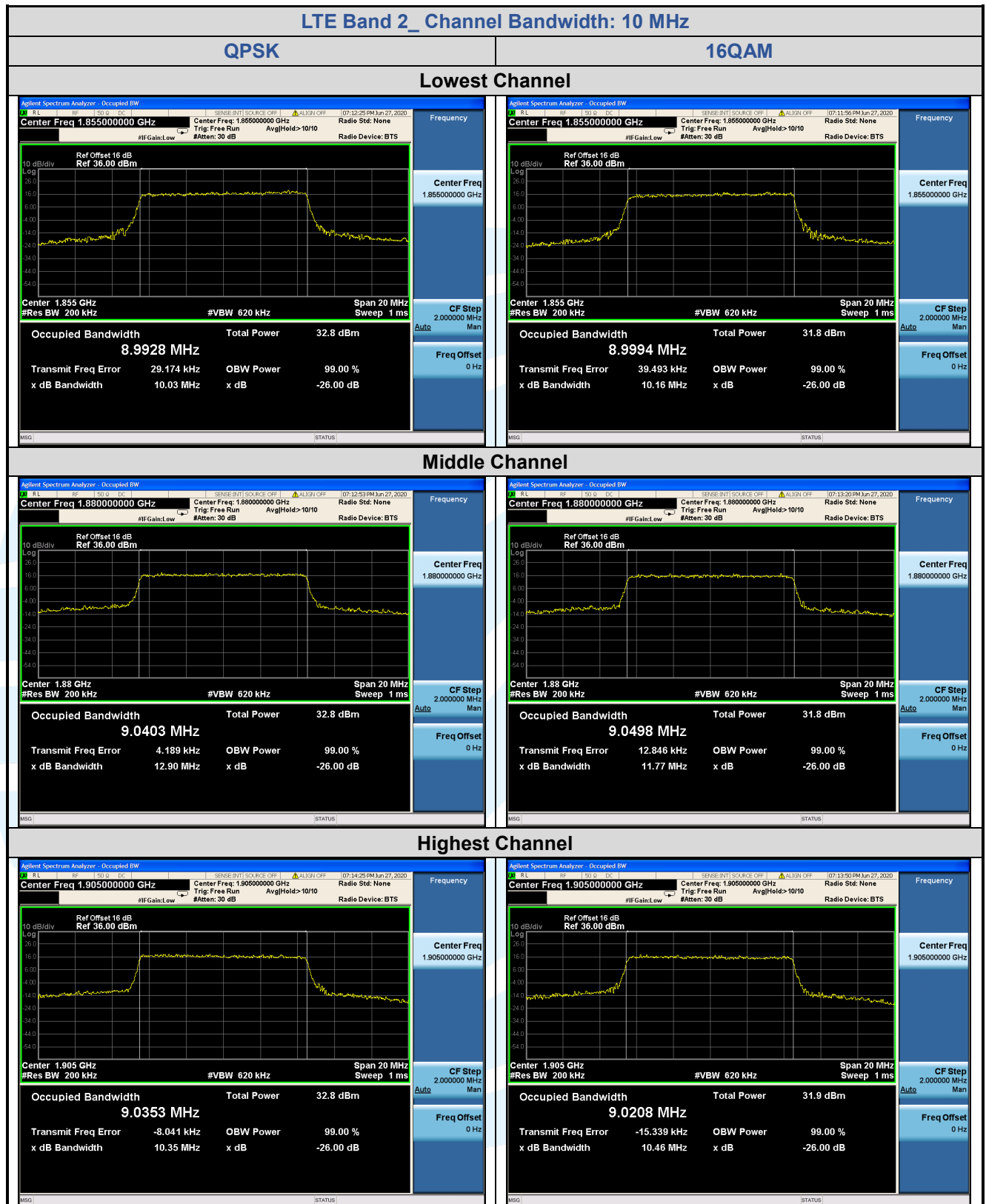
5.5.1 LTE Band 2

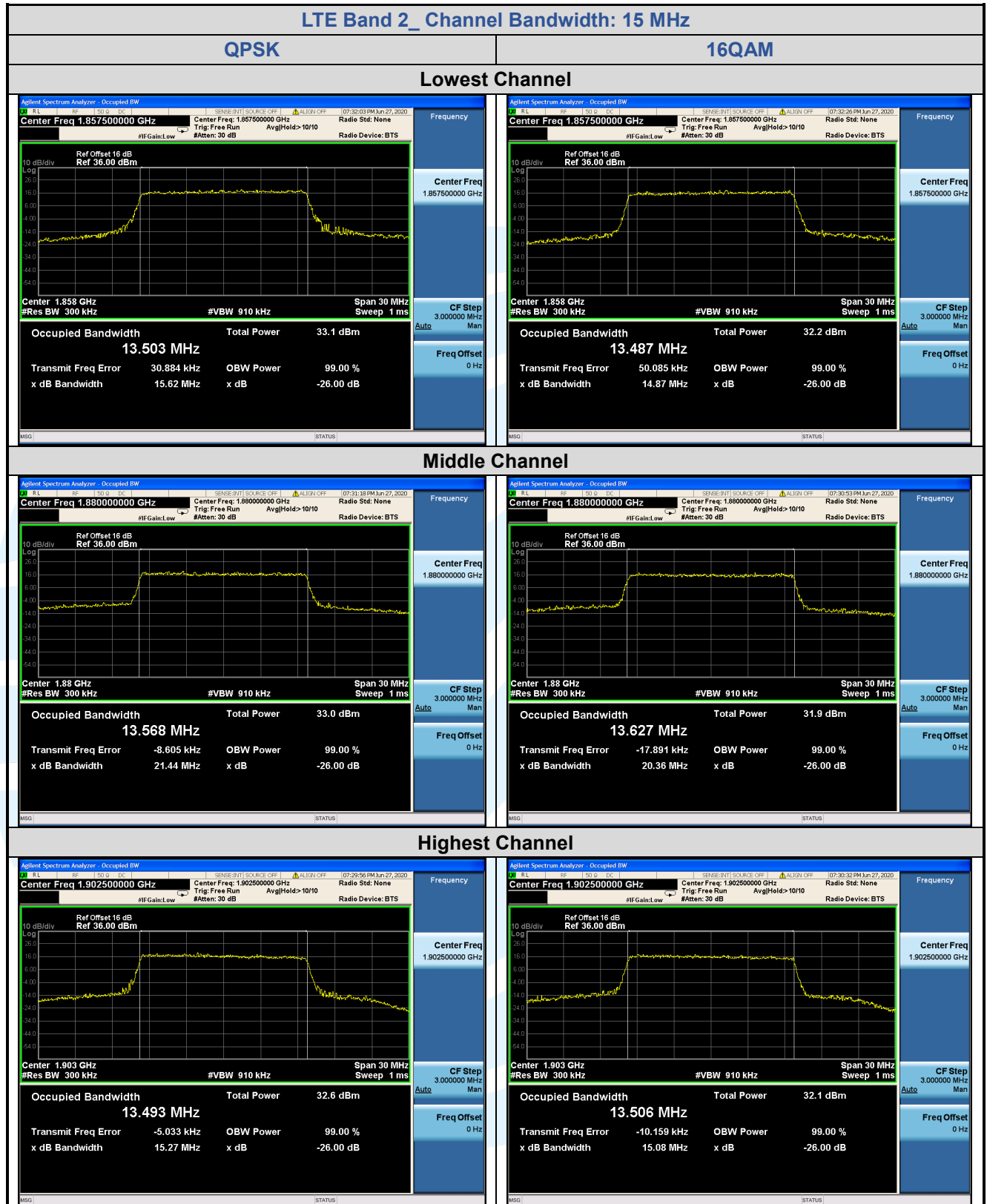
LTE Band 2								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 1.4 MHz								
Lowest	6	0	1.284	1.274	/	1.1045	1.1131	/
Middle	6	0	1.745	1.426	/	1.1146	1.1194	/
Highest	6	0	1.275	1.264	/	1.1046	1.1094	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.081	3.114	/	2.7027	2.7085	/
Middle	15	0	3.305	3.518	/	2.7325	2.7278	/
Highest	15	0	3.061	3.053	/	2.7163	2.7167	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.441	5.426	/	4.5524	4.5417	/
Middle	25	0	6.439	6.594	/	4.5463	4.5712	/
Highest	25	0	5.458	5.395	/	4.5324	4.5752	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.03	10.16	/	8.9928	8.9994	/
Middle	50	0	12.90	11.77	/	9.0403	9.0498	/
Highest	50	0	10.35	10.46	/	9.0353	9.0208	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.62	14.87	/	13.503	13.487	/
Middle	75	0	21.44	20.36	/	13.568	13.627	/
Highest	75	0	15.27	15.08	/	13.493	13.506	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.81	20.12	/	17.985	18.026	/
Middle	100	0	25.02	29.71	/	18.178	18.213	/
Highest	100	0	20.04	20.01	/	17.990	17.993	/

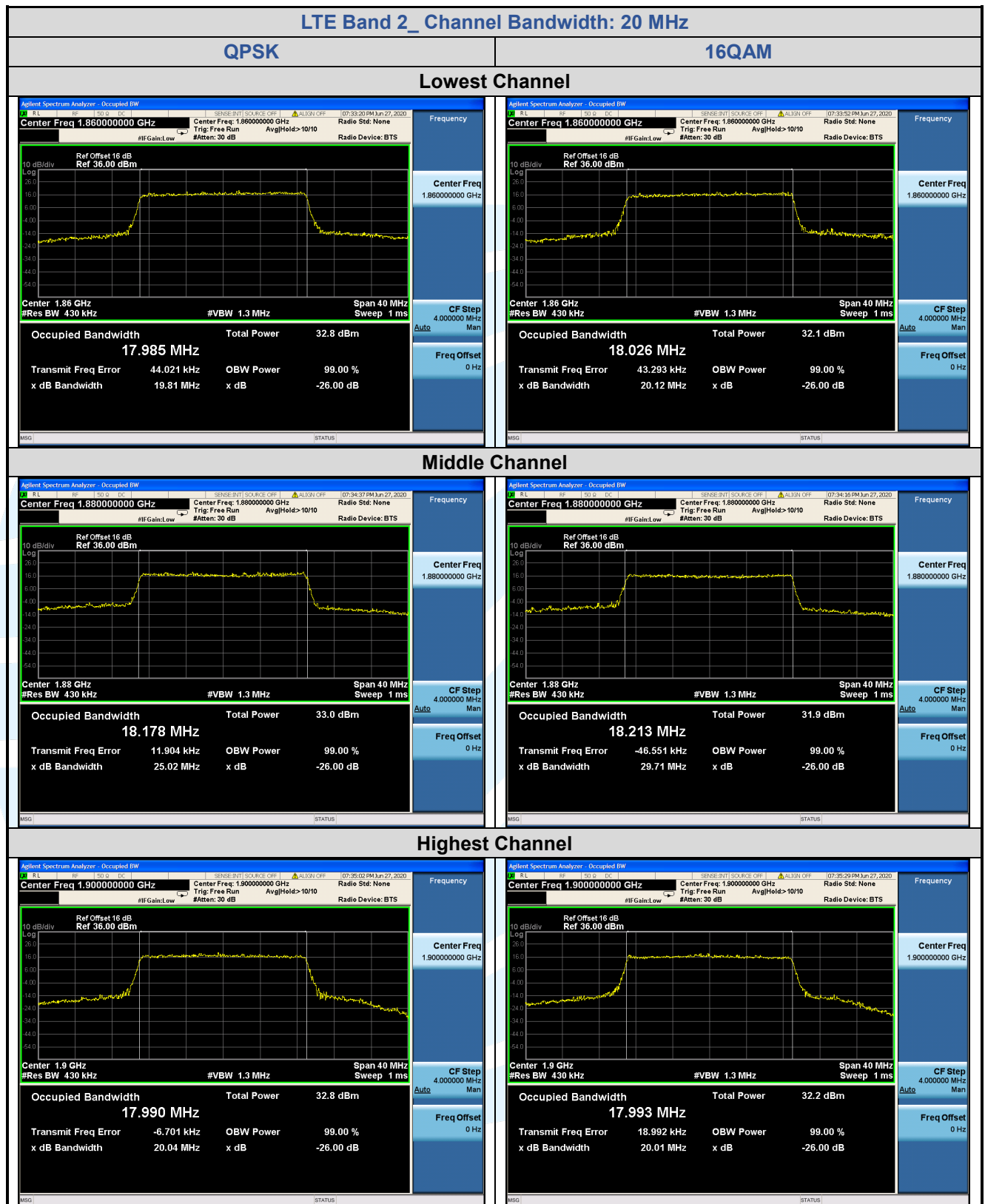












5.5.2 LTE Band 4

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	1.271	1.267	/	1.1003	1.1067	/
Middle	6	0	1.278	1.267	/	1.1007	1.1075	/
Highest	6	0	1.274	1.267	/	1.0992	1.1068	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.090	3.128	/	2.7175	2.7100	/
Middle	15	0	3.076	3.130	/	2.7090	2.7185	/
Highest	15	0	3.096	3.136	/	2.7186	2.7065	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.280	5.248	/	4.5437	4.5347	/
Middle	25	0	5.432	5.461	/	4.5296	4.5627	/
Highest	25	0	5.269	5.459	/	4.5263	4.5614	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.18	10.73	/	9.0157	9.0277	/
Middle	50	0	10.09	10.02	/	8.9971	9.0199	/
Highest	50	0	10.21	10.26	/	9.0172	9.0144	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.57	15.11	/	13.532	13.512	/
Middle	75	0	15.71	14.93	/	13.525	13.503	/
Highest	75	0	15.36	15.44	/	13.487	13.512	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	20.22	20.43	/	18.063	18.110	/
Middle	100	0	20.13	20.41	/	18.014	18.042	/
Highest	100	0	20.26	20.29	/	18.043	18.051	/

