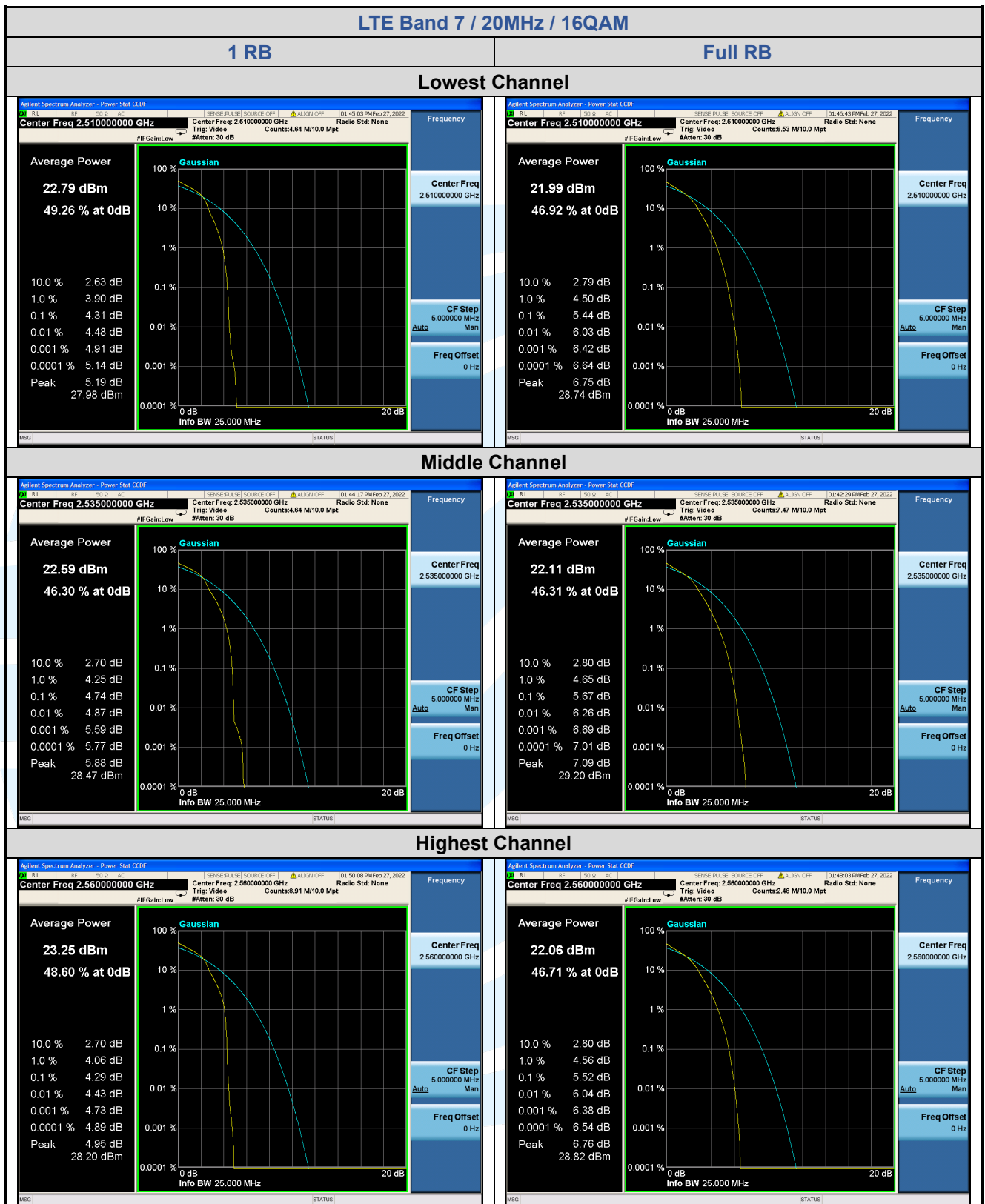
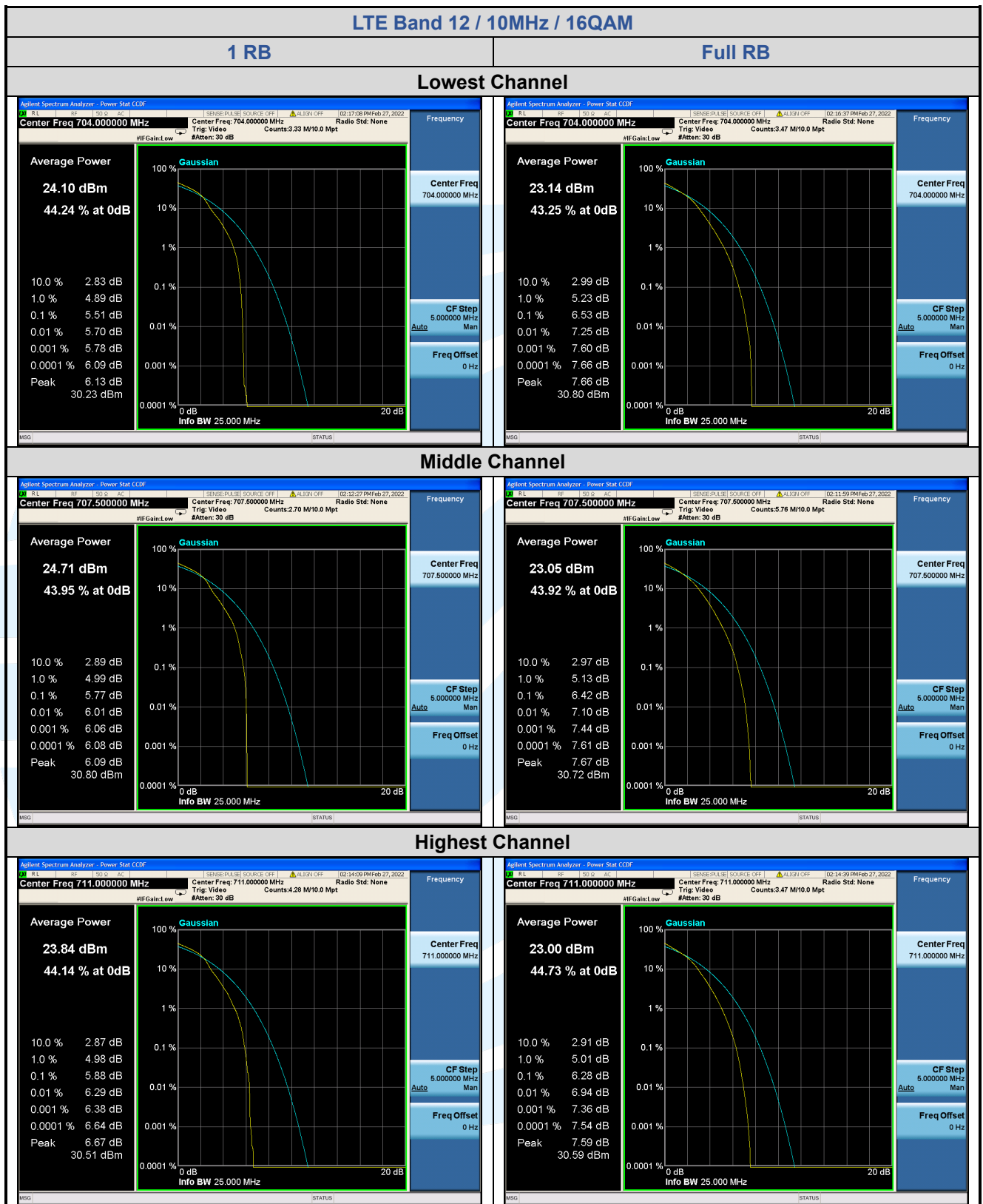




5.4.5 LTE Band 12

LTE Band 12 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.45	5.51	/	13	Pass
	Full RB	5.84	6.53	/	13	Pass
Middle	1 RB	5.08	5.77	/	13	Pass
	Full RB	5.61	6.42	/	13	Pass
Highest	1 RB	4.95	5.88	/	13	Pass
	Full RB	5.41	6.28	/	13	Pass

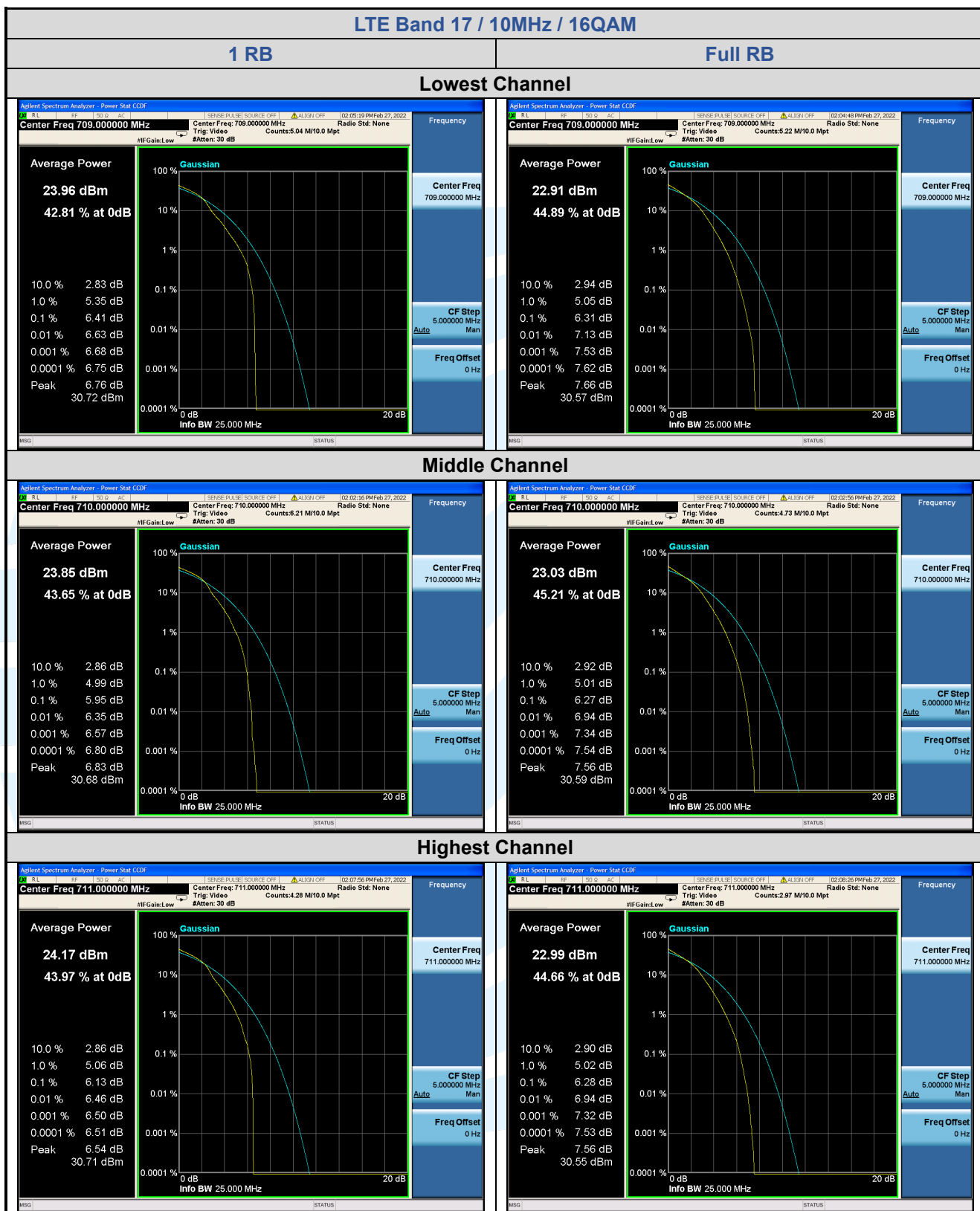




5.4.6 LTE Band 17

LTE Band 17 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 10 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	5.29	6.41	/	13	Pass
	Full RB	5.51	6.31	/	13	Pass
Middle	1 RB	5.02	5.95	/	13	Pass
	Full RB	5.42	6.27	/	13	Pass
Highest	1 RB	5.08	6.13	/	13	Pass
	Full RB	5.45	6.28	/	13	Pass

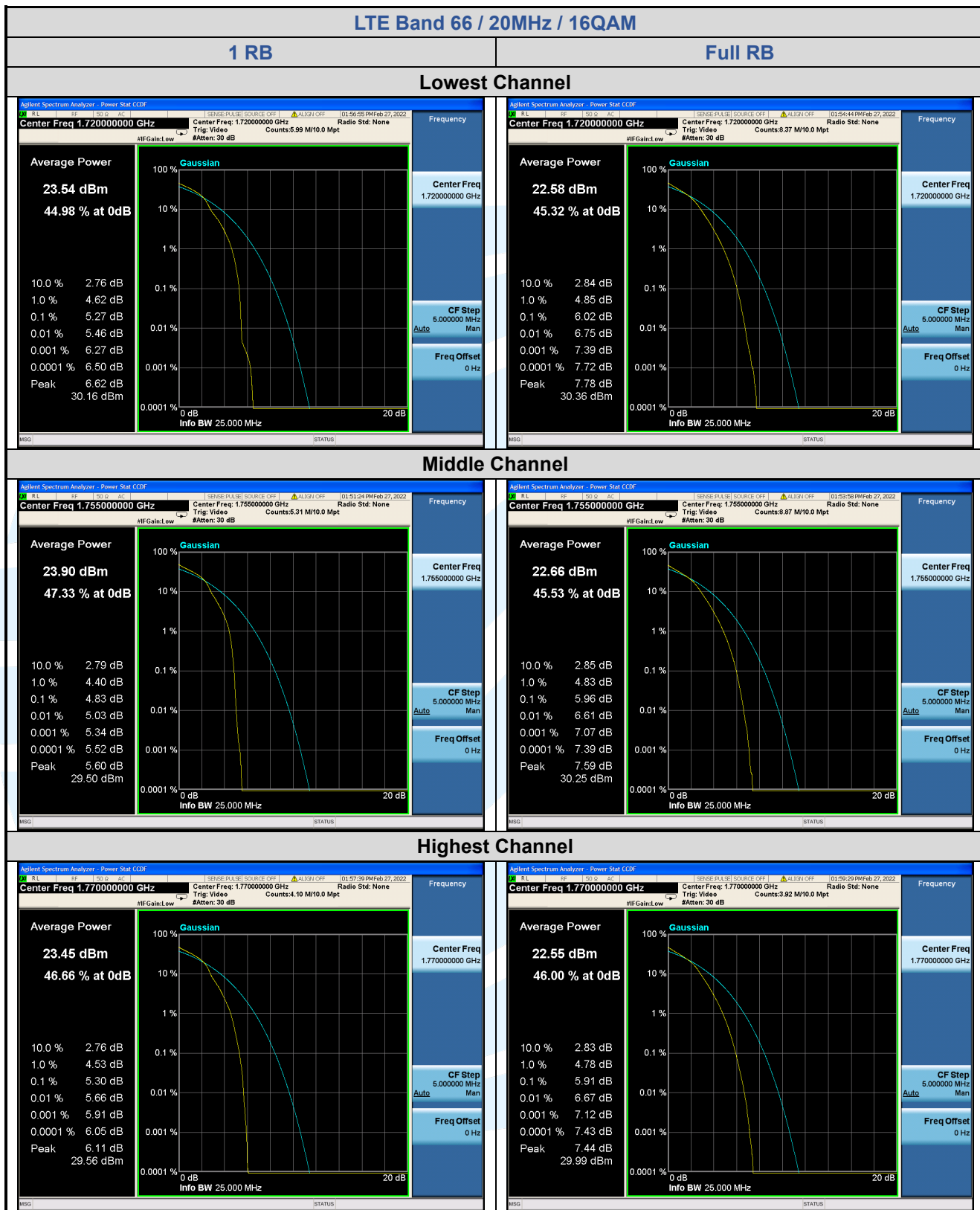




5.4.7 LTE Band 66

LTE Band 66 Peak-to-average ratio (dB)						
Channel	RB Configuration	Channel Bandwidth: 20 MHz			Limit (dB)	Result
		QPSK	16QAM	64QAM		
Lowest	1 RB	4.52	5.27	/	13	Pass
	Full RB	5.26	6.02	/	13	Pass
Middle	1 RB	3.98	4.83	/	13	Pass
	Full RB	5.32	5.96	/	13	Pass
Highest	1 RB	4.32	5.30	/	13	Pass
	Full RB	5.18	5.91	/	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	1.252	1.255	/	1.1000	1.1064	/
Middle	6	0	1.253	1.254	/	1.1028	1.1019	/
Highest	6	0	1.266	1.250	/	1.1005	1.0998	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.052	3.023	/	2.7152	2.7051	/
Middle	15	0	3.033	3.045	/	2.7129	2.7104	/
Highest	15	0	3.045	3.071	/	2.7169	2.7144	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.015	5.011	/	4.5192	4.5388	/
Middle	25	0	4.983	5.016	/	4.5085	4.5425	/
Highest	25	0	5.005	4.999	/	4.5237	4.5223	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.939	10.020	/	8.9964	9.0002	/
Middle	50	0	9.914	9.913	/	8.9914	9.0060	/
Highest	50	0	9.979	9.930	/	9.0090	9.0020	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.010	14.940	/	13.5020	13.5060	/
Middle	75	0	14.970	14.890	/	13.4970	13.5220	/
Highest	75	0	15.060	15.060	/	13.4940	13.5610	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.710	19.710	/	18.0210	18.0950	/
Middle	100	0	19.940	19.820	/	18.0430	18.0120	/
Highest	100	0	19.830	19.980	/	18.0570	18.0800	/

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

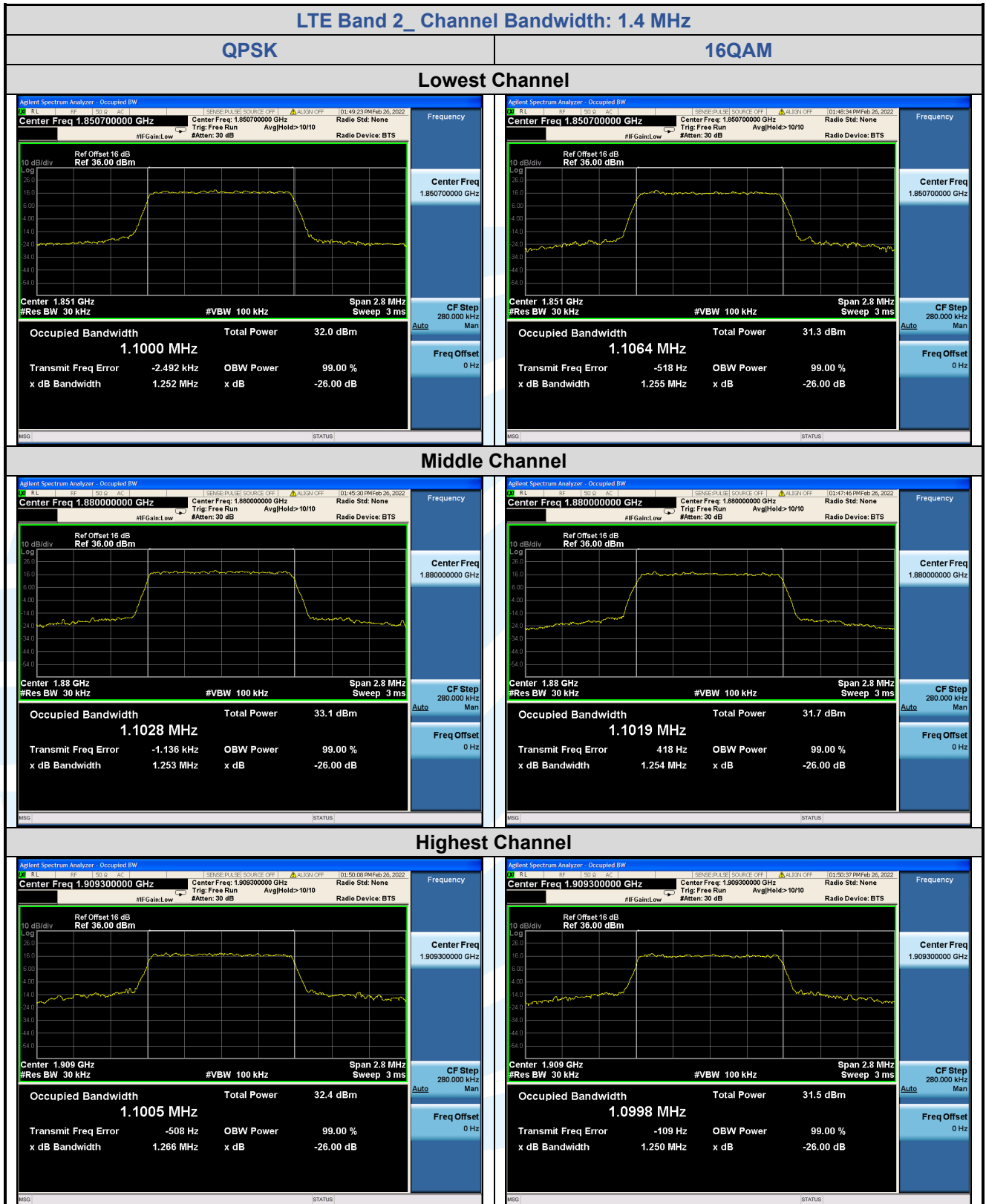
Tel: +86-755-28230888

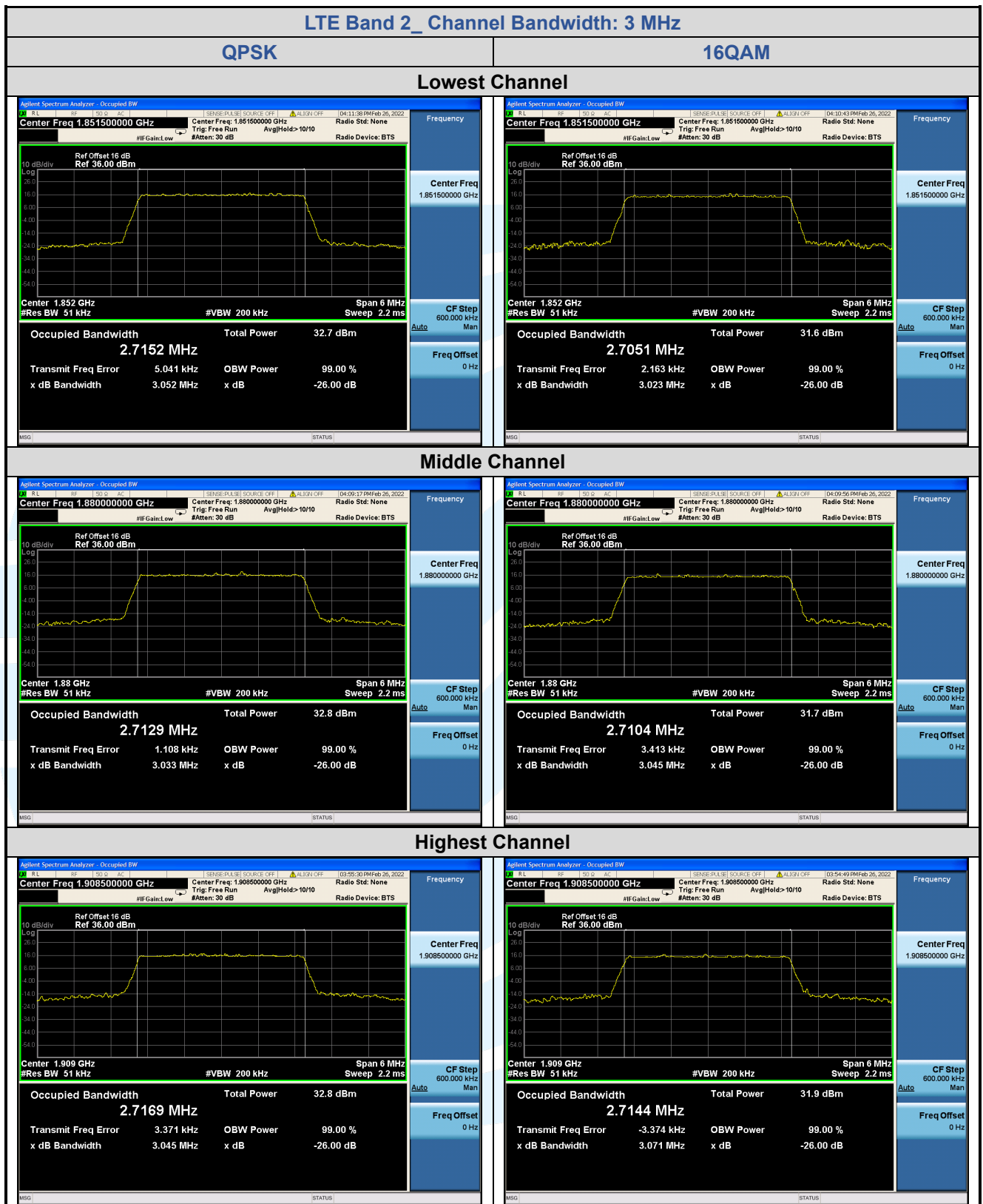
Fax: +86-755-28230886

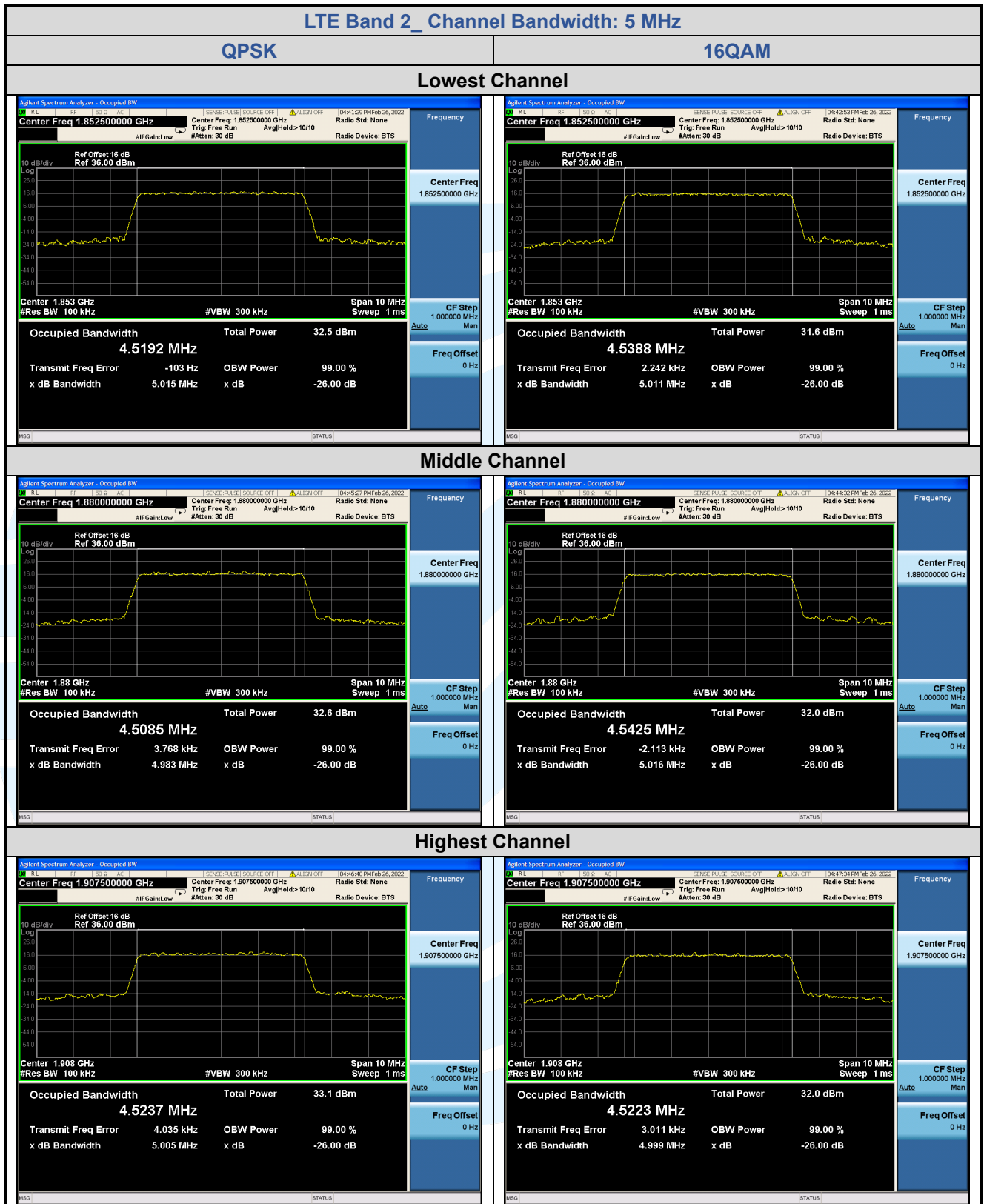
E-mail: info@uttlab.com

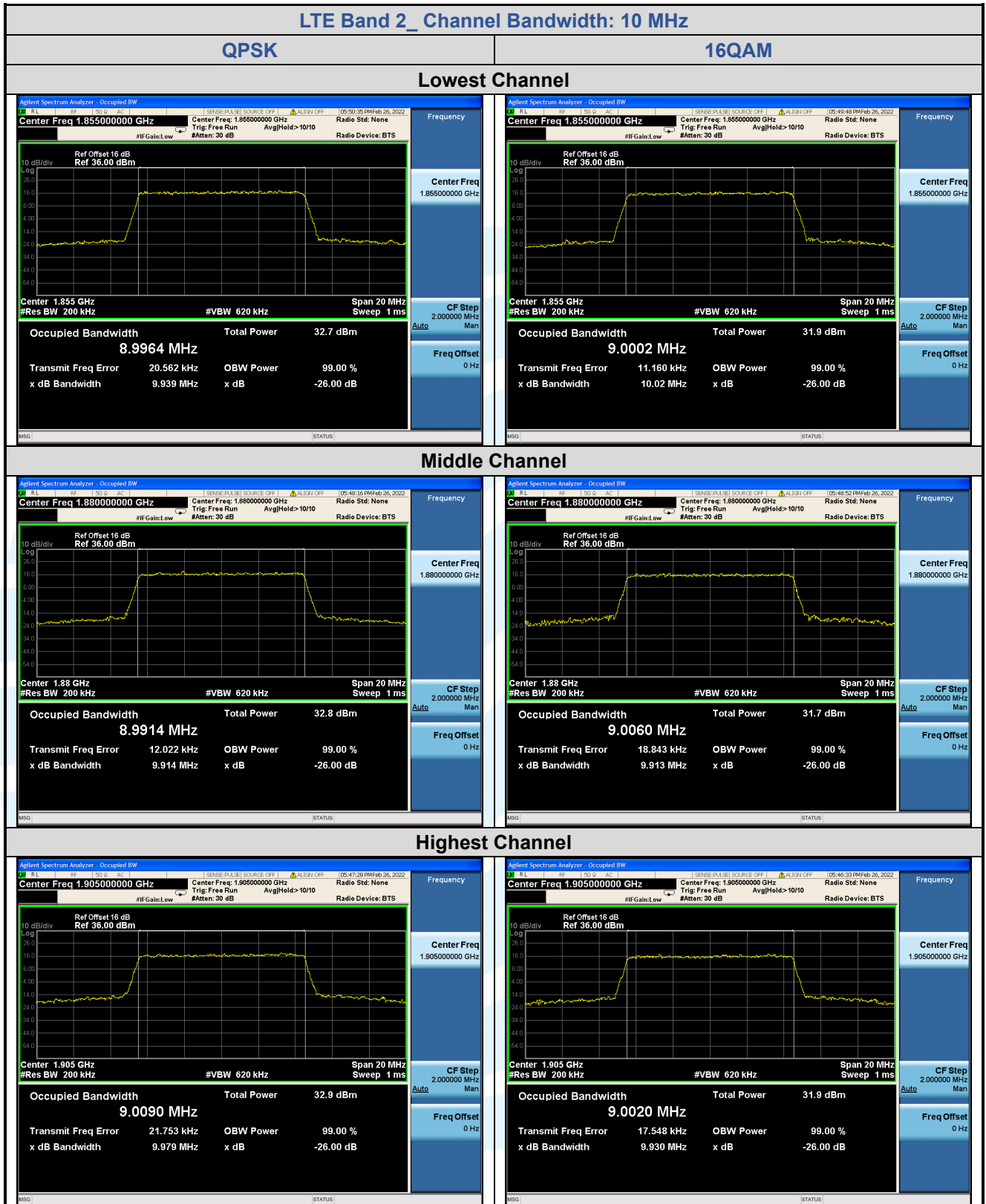
<http://www.uttlab.com>

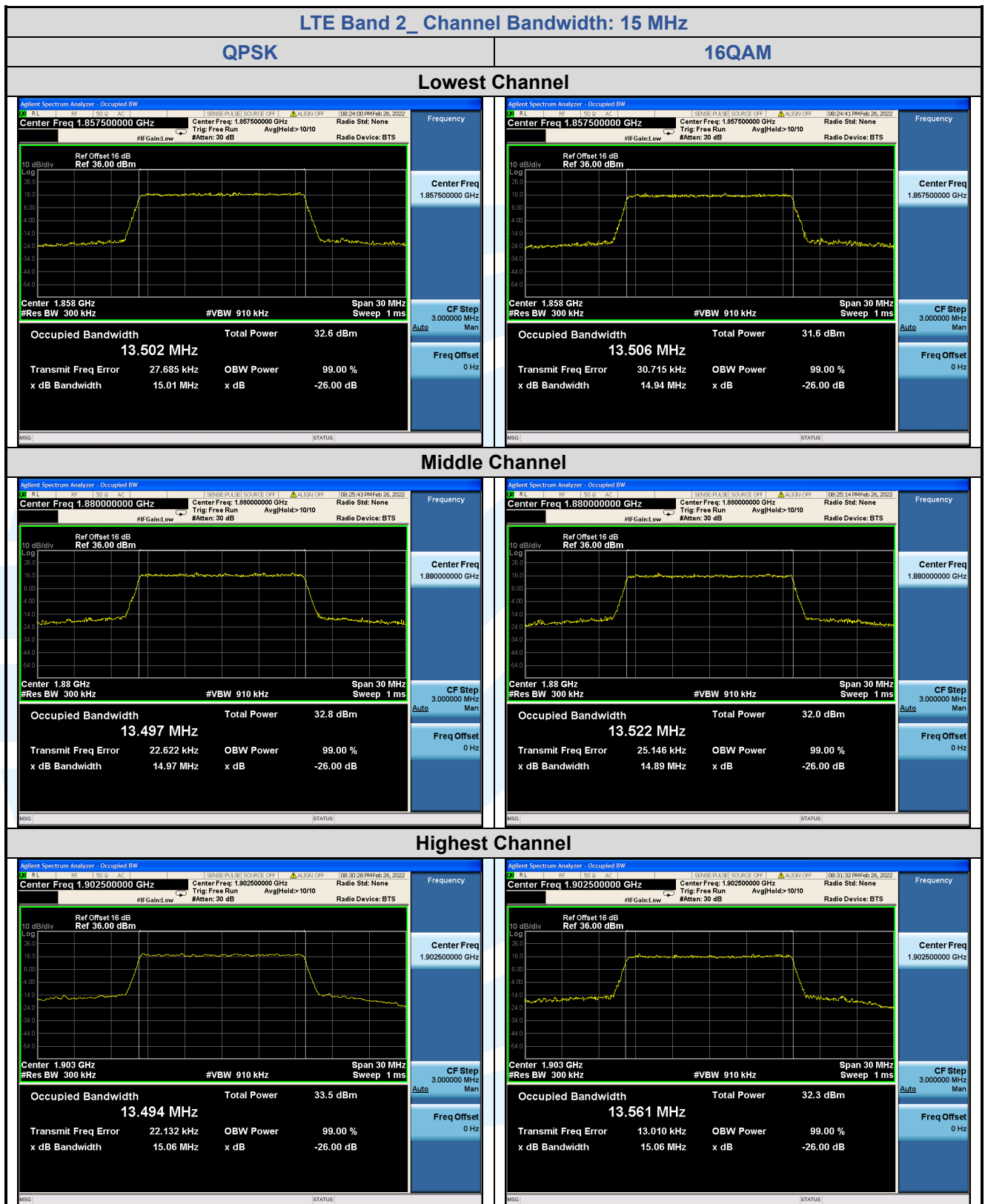
UTTR-RF-FCC4G-V1.1

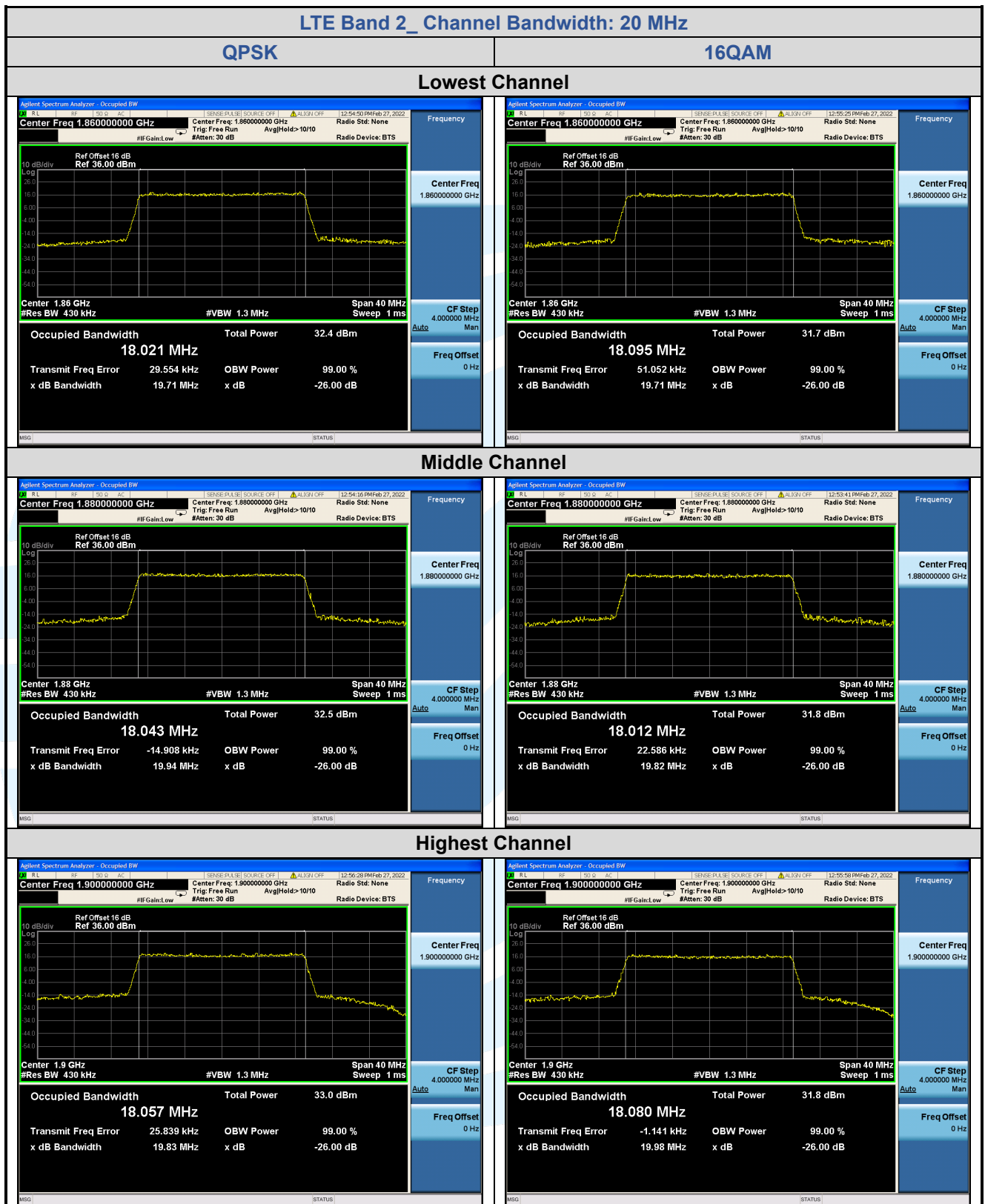












5.5.2 LTE Band 4

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	1.259	1.250	/	1.1040	1.1025	/
Middle	6	0	1.263	1.254	/	1.1001	1.0994	/
Highest	6	0	1.251	1.261	/	1.0993	1.1077	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.041	3.040	/	2.7161	2.7017	/
Middle	15	0	3.052	3.046	/	2.7174	2.7156	/
Highest	15	0	3.043	3.059	/	2.7131	2.7140	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.023	5.022	/	4.5165	4.5392	/
Middle	25	0	5.018	5.019	/	4.5070	4.5506	/
Highest	25	0	4.993	5.009	/	4.5218	4.5118	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.937	9.990	/	9.0190	9.0058	/
Middle	50	0	9.984	9.905	/	8.9915	9.0032	/
Highest	50	0	9.937	9.931	/	9.0075	9.0019	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.110	15.000	/	13.5360	13.5380	/
Middle	75	0	15.050	15.010	/	13.5190	13.4940	/
Highest	75	0	14.970	15.030	/	13.4660	13.5360	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.930	19.840	/	18.0660	18.0540	/
Middle	100	0	19.730	19.710	/	18.0070	17.9940	/
Highest	100	0	19.680	19.840	/	18.0430	18.0890	/

