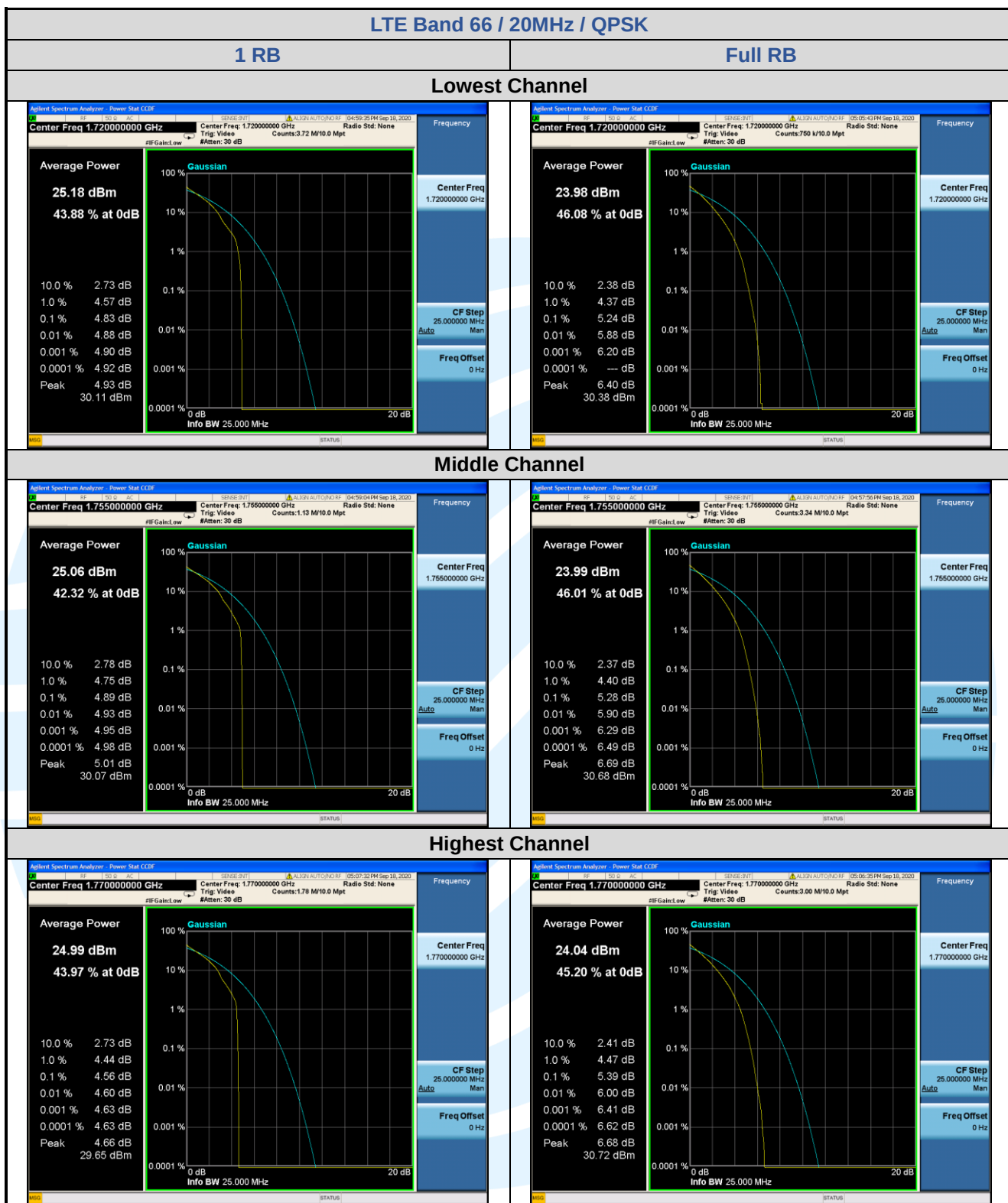
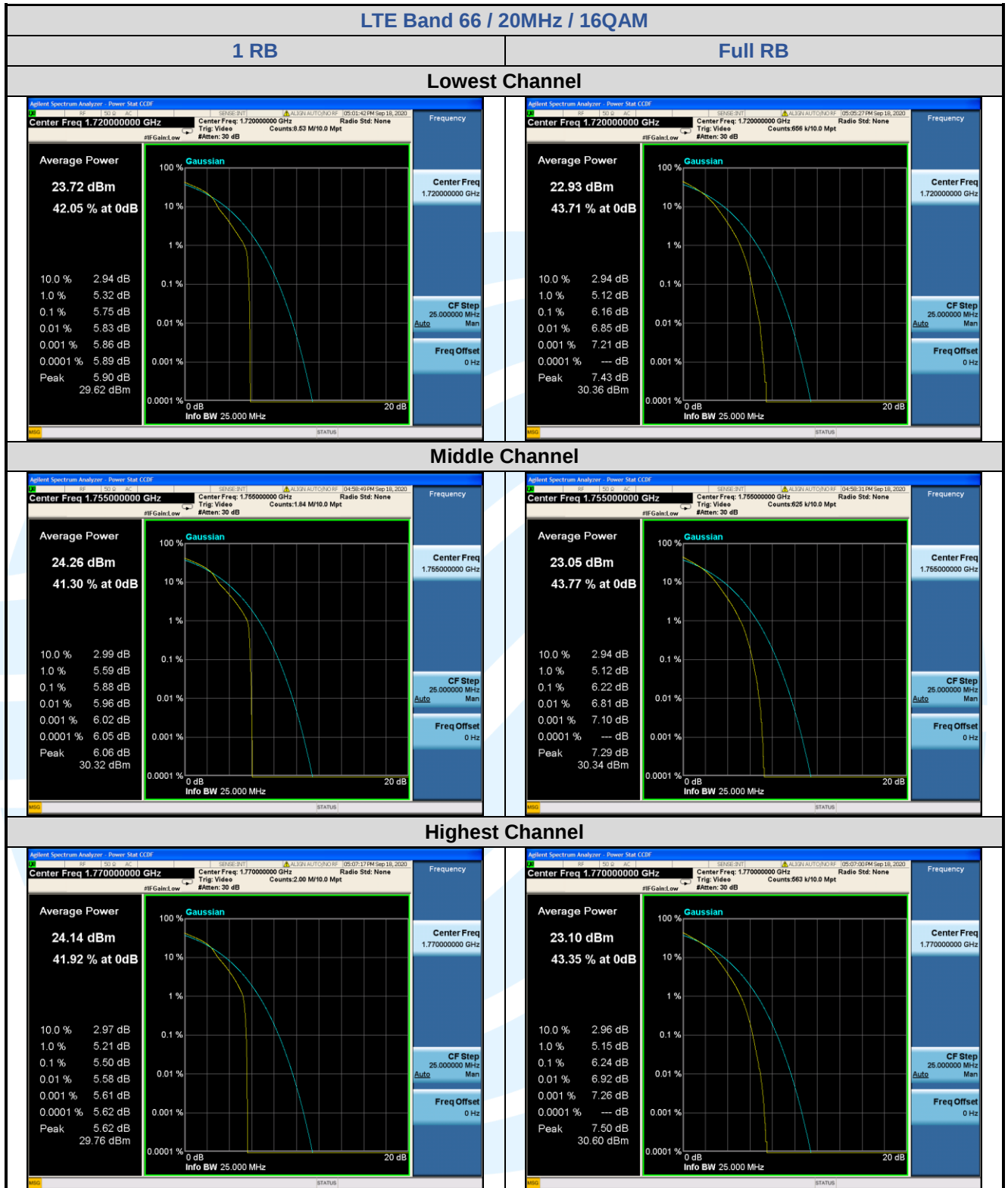






5.5 99%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h), RSS-Gen Issue 5, Section 6.7

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	1.310	1.312	/	1.1038	1.1033	/
Middle	6	0	1.314	1.301	/	1.1001	1.1021	/
Highest	6	0	1.292	1.311	/	1.1084	1.0982	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.001	3.000	/	2.7071	2.7047	/
Middle	15	0	2.998	2.982	/	2.7050	2.7032	/
Highest	15	0	2.963	2.995	/	2.6999	2.7119	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.032	4.996	/	4.5338	4.5140	/
Middle	25	0	5.056	5.024	/	4.5187	4.5234	/
Highest	25	0	5.008	5.016	/	4.5324	4.5258	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.896	9.945	/	8.9768	8.9680	/
Middle	50	0	9.926	9.989	/	8.9809	8.9949	/
Highest	50	0	10.02	9.851	/	8.9839	8.9855	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	14.77	14.78	/	13.446	13.455	/
Middle	75	0	14.73	14.80	/	13.407	13.471	/
Highest	75	0	14.75	14.83	/	13.457	13.476	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.43	19.55	/	17.920	17.914	/
Middle	100	0	19.65	19.61	/	17.931	17.934	/
Highest	100	0	19.48	19.52	/	17.946	17.969	/

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

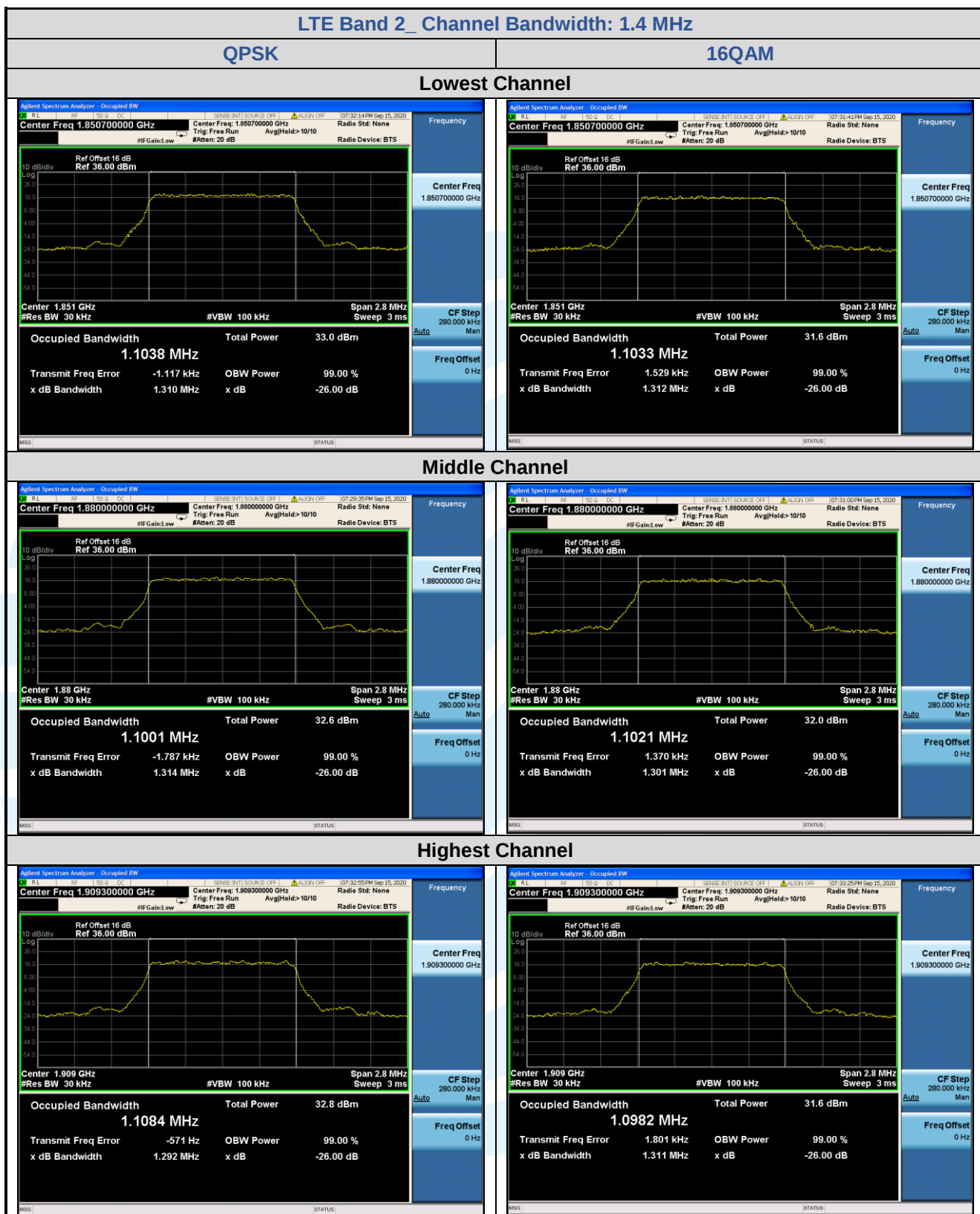
Tel: +86-755-28230888

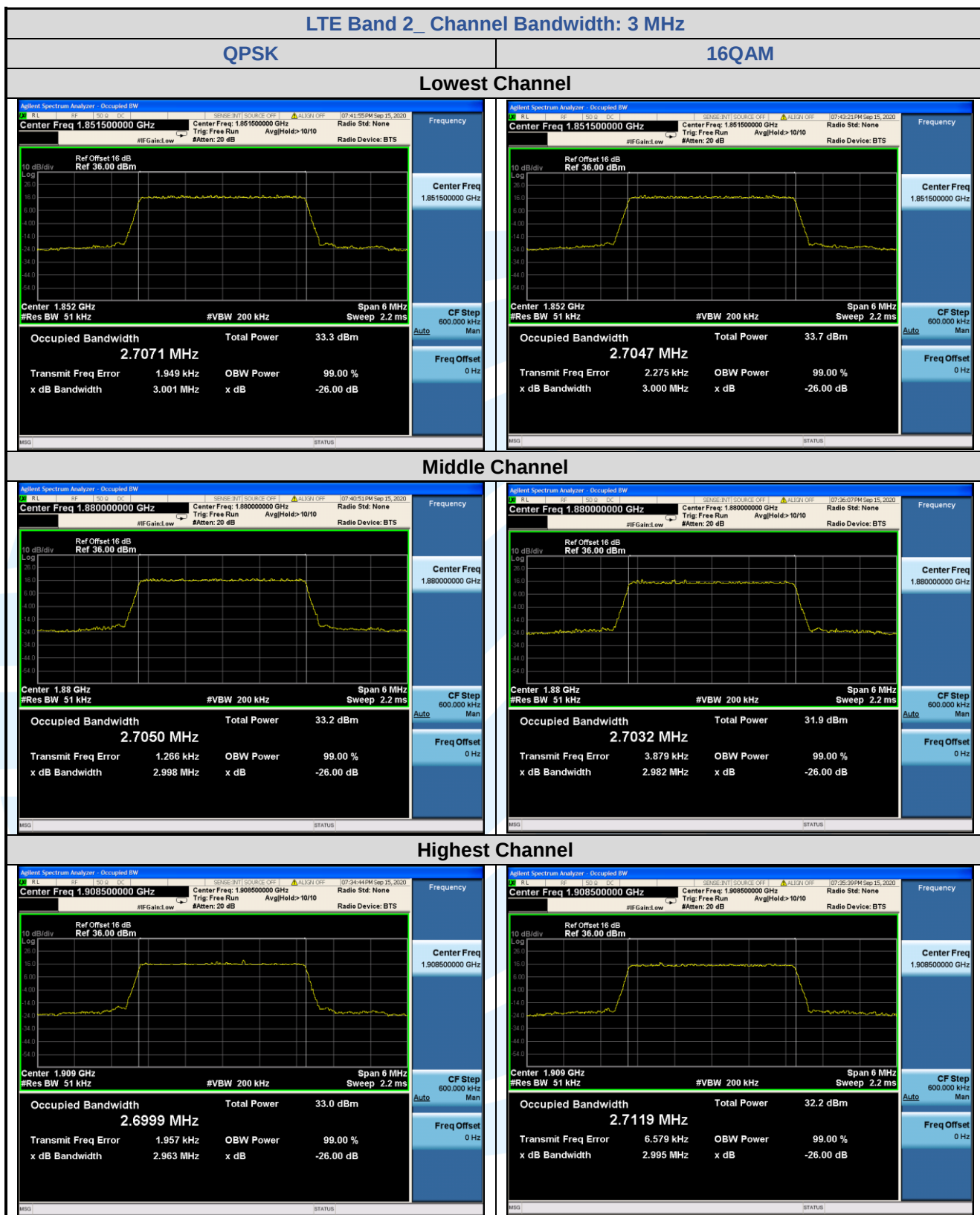
Fax: +86-755-28230886

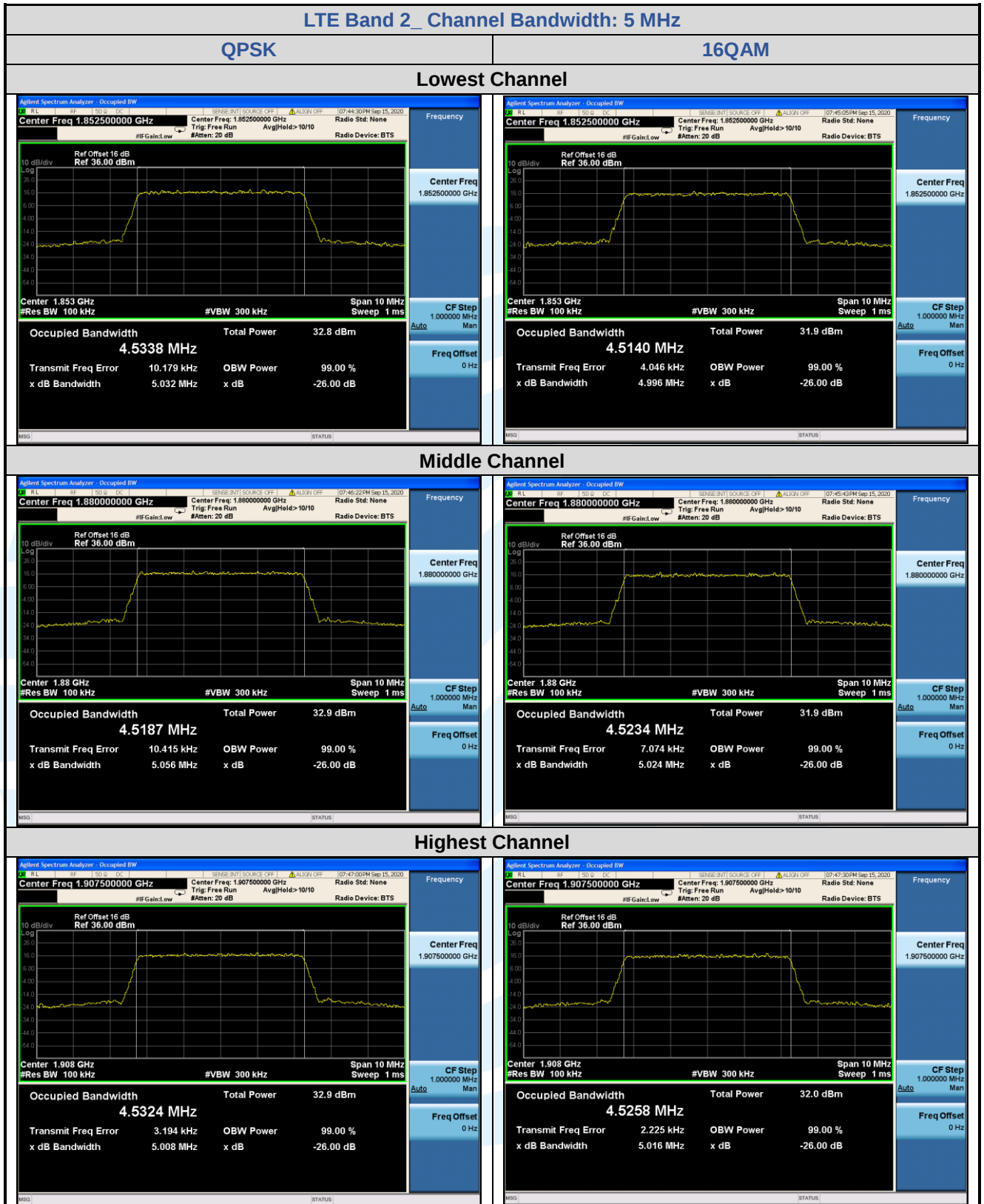
E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCC4G-V1.1







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

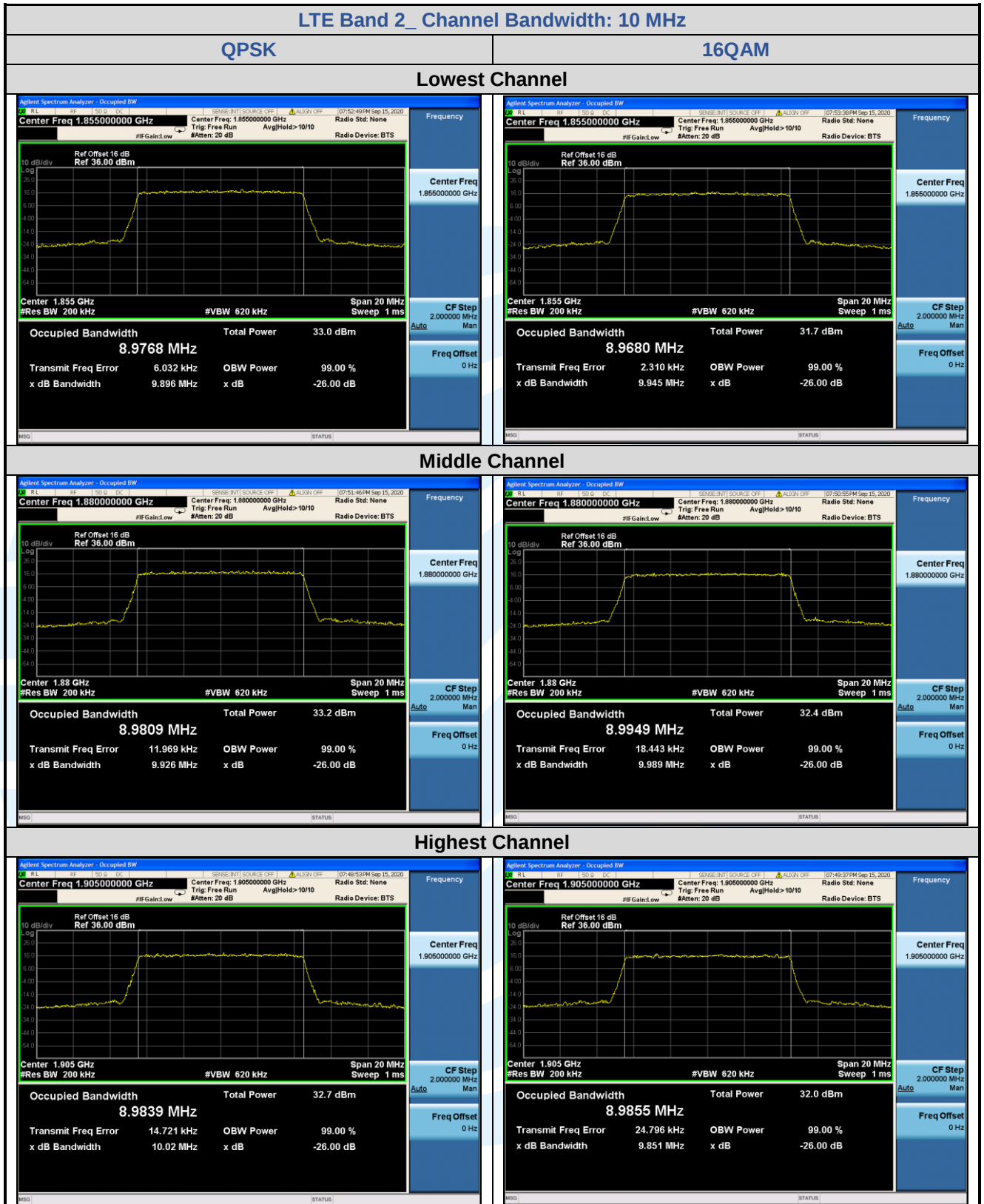
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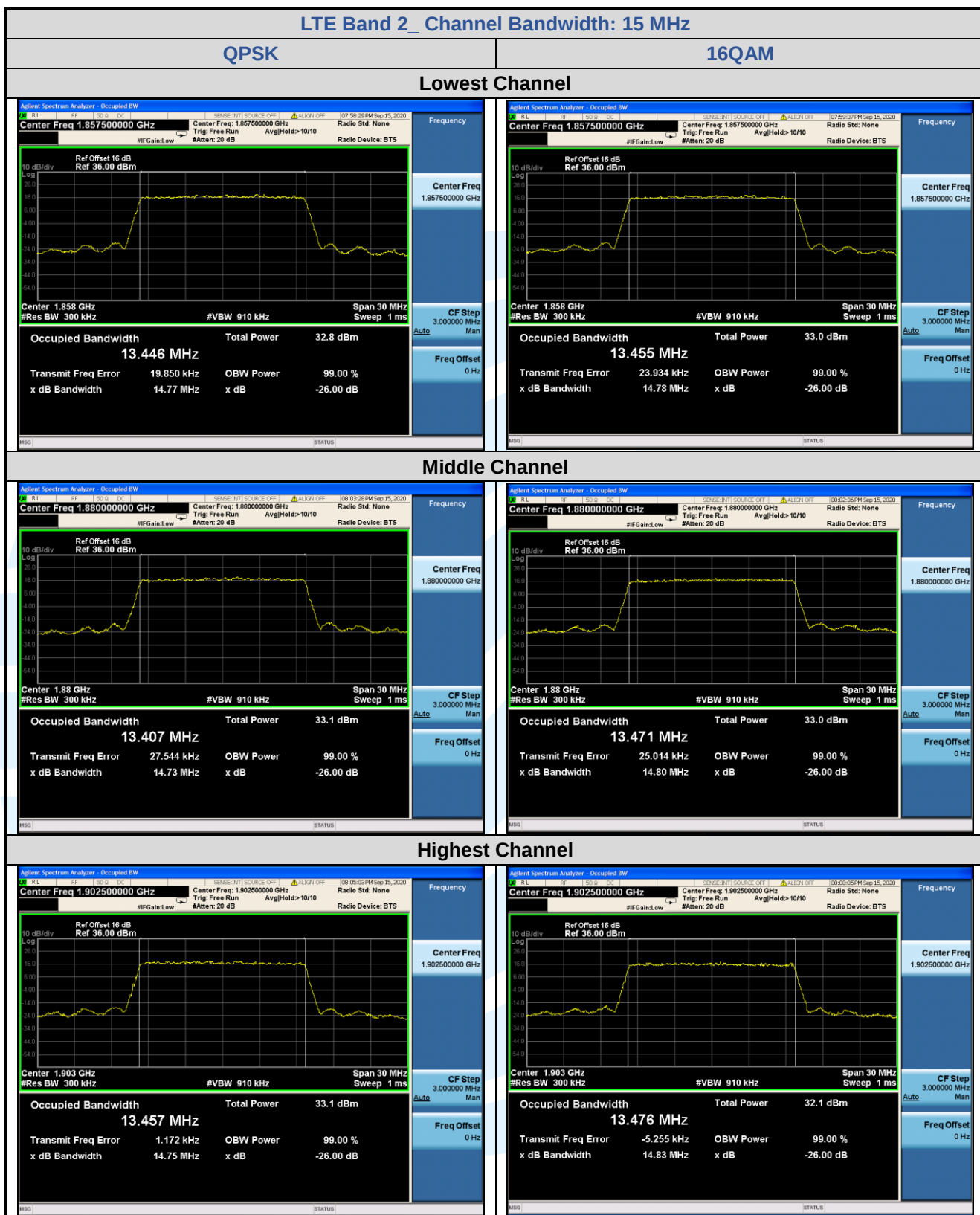
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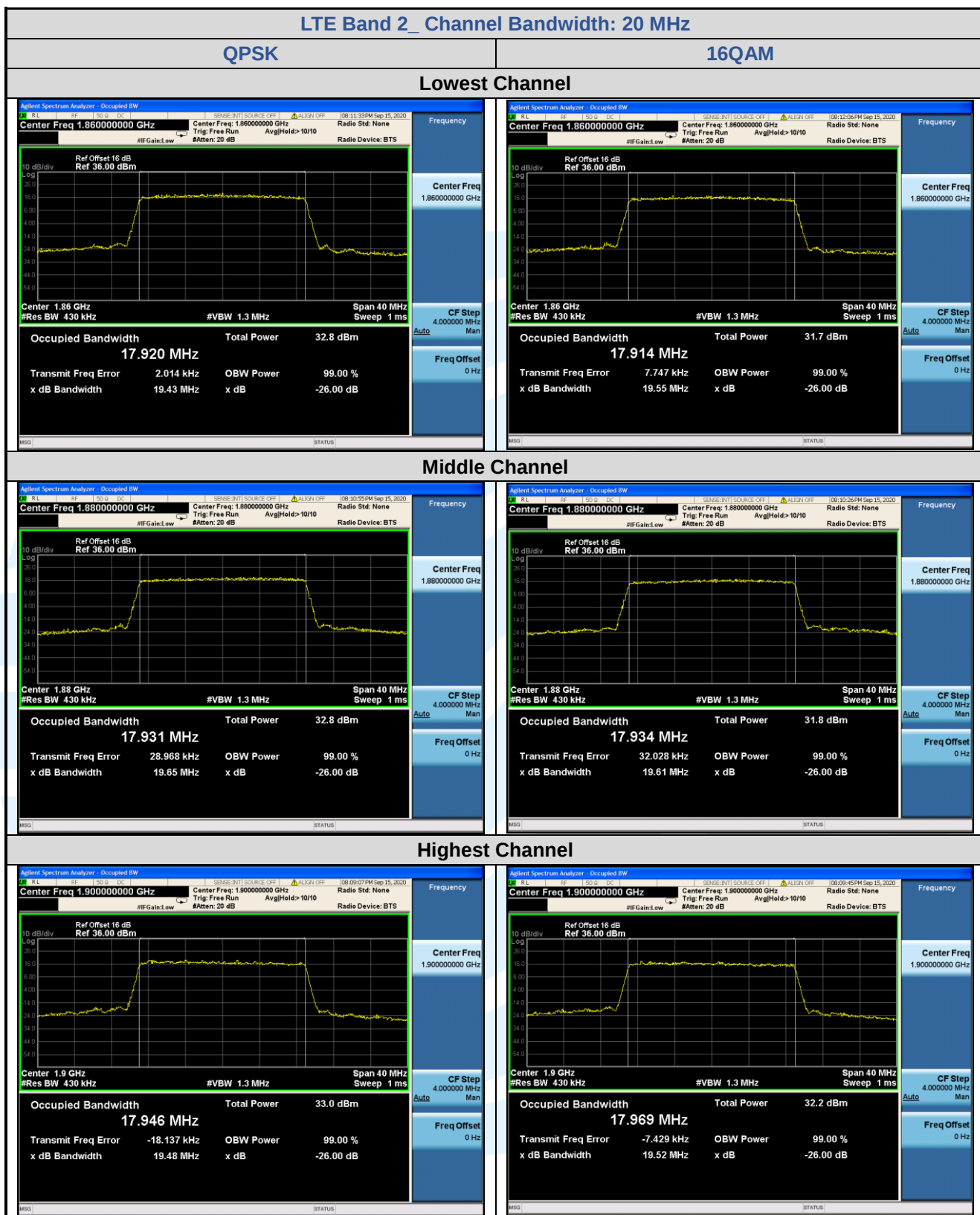
E-mail: info@uttlab.com

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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	1.332	1.282	/	1.0991	1.0996	/
Middle	6	0	1.308	1.297	/	1.1022	1.0989	/
Highest	6	0	1.315	1.300	/	1.1050	1.0997	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.991	2.979	/	2.7012	2.6894	/
Middle	15	0	2.975	2.986	/	2.6934	2.7042	/
Highest	15	0	2.974	2.993	/	2.7036	2.7054	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.012	5.032	/	4.5065	4.5340	/
Middle	25	0	5.031	5.012	/	4.5246	4.5368	/
Highest	25	0	4.990	5.013	/	4.5122	4.5180	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.897	9.843	/	8.9512	8.9539	/
Middle	50	0	9.975	9.917	/	8.9776	9.0049	/
Highest	50	0	9.902	9.847	/	8.9707	8.9592	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	14.58	14.60	/	13.417	13.431	/
Middle	75	0	14.70	14.58	/	13.472	13.471	/
Highest	75	0	14.61	14.51	/	13.479	13.439	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.32	19.40	/	17.803	17.885	/
Middle	100	0	19.39	19.39	/	17.961	17.965	/
Highest	100	0	19.48	19.31	/	17.923	17.906	/

