

Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1, Longhua New District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

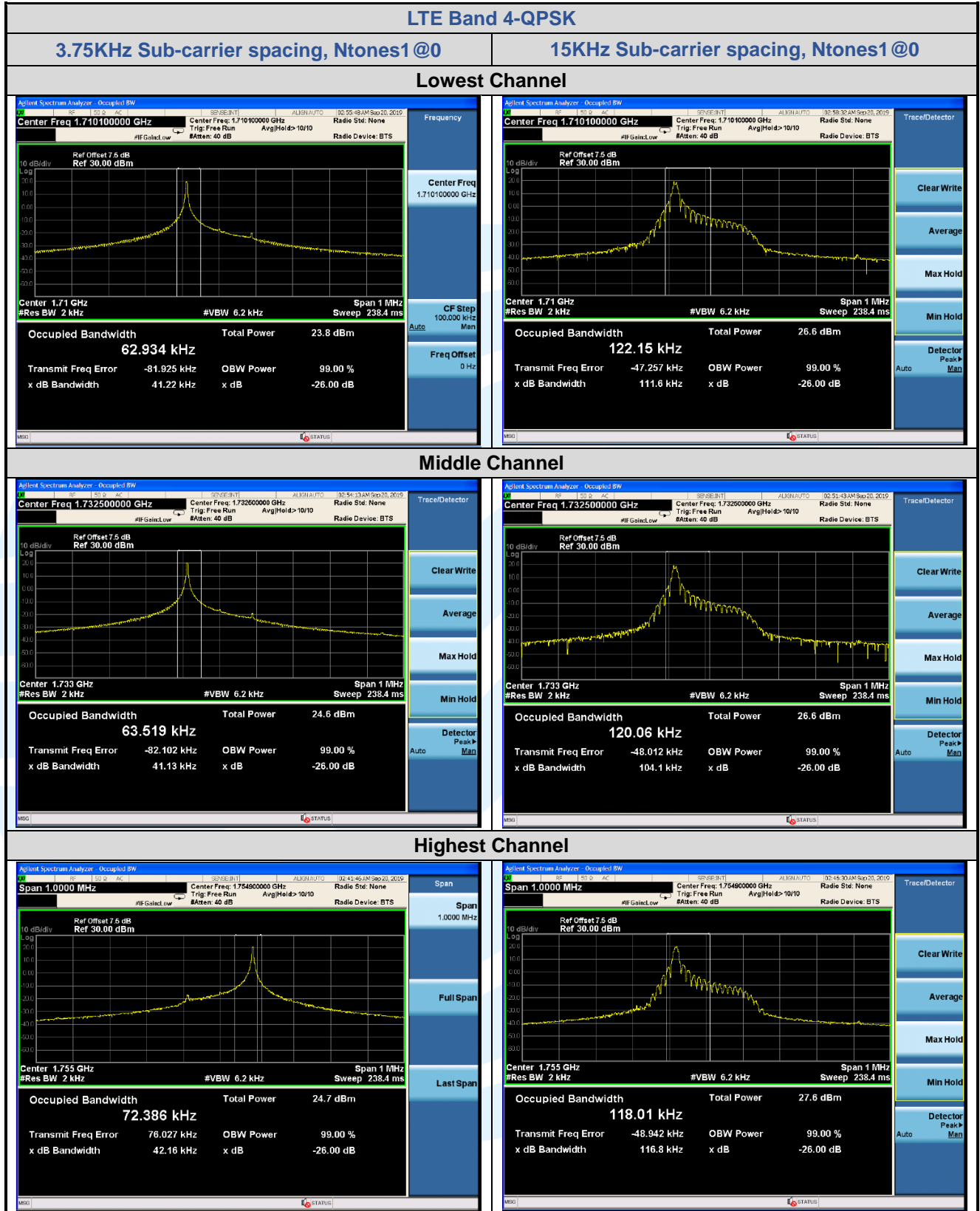
E-mail: info@uttlab.com

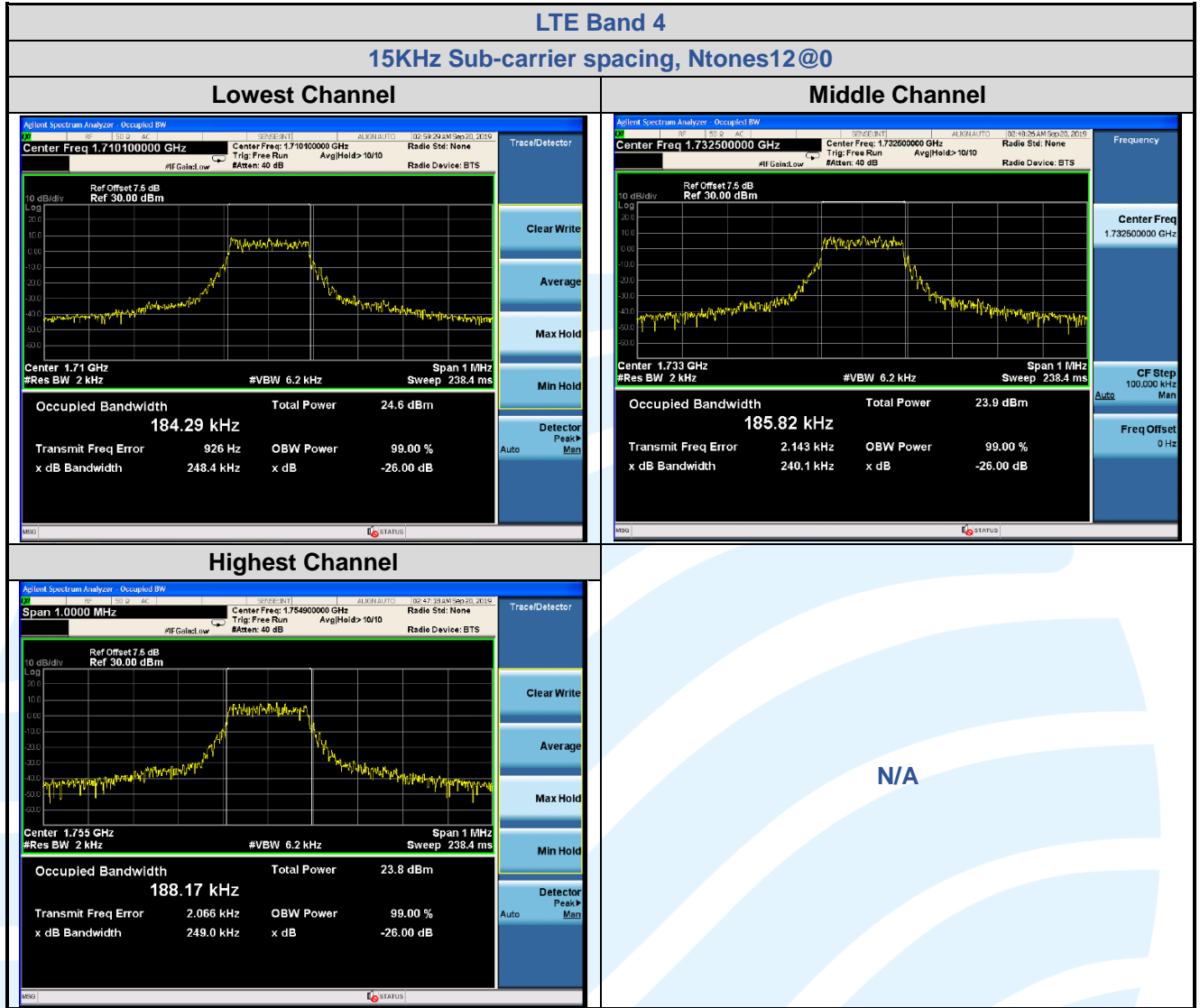
<http://www.uttlab.com>

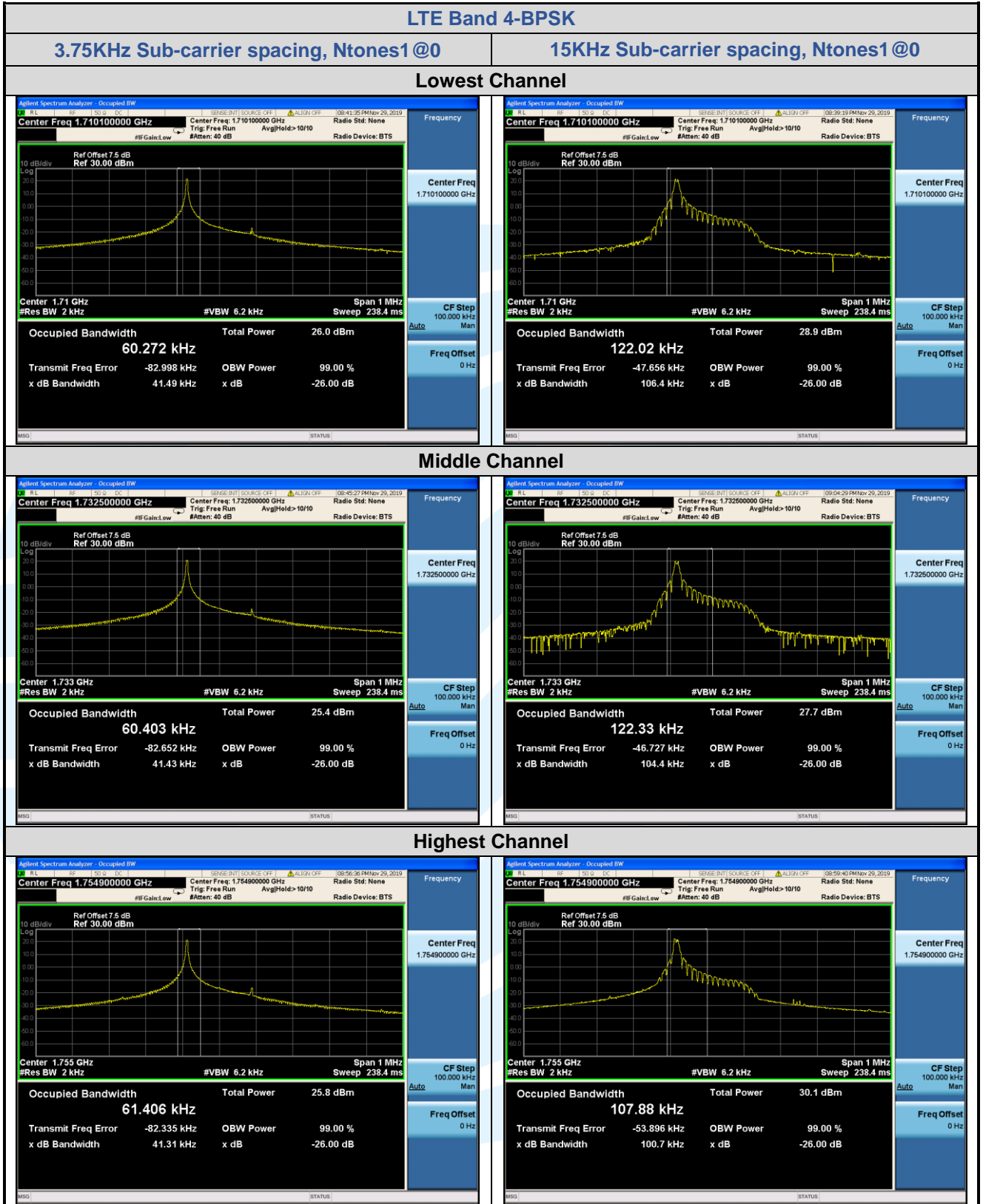
UTTR-RF-RSS4G-V1.0

5.5.2 LTE Band 4

LTE Band 4								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			19951/1710.1		20175/1732.5		20399/1754.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	62.934	41.220	63.519	41.130	72.386	42.160
QPSK	15	1@0	122.150	111.600	120.060	104.100	118.010	116.800
QPSK	15	12@0	184.290	248.400	186.820	240.100	188.170	249.000
BPSK	3.75	1@0	60.272	41.49	60.403	41.43	61.406	41.31
BPSK	15	1@0	122.02	106.4	122.33	104.4	107.88	100.7







Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1, Longhua New District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

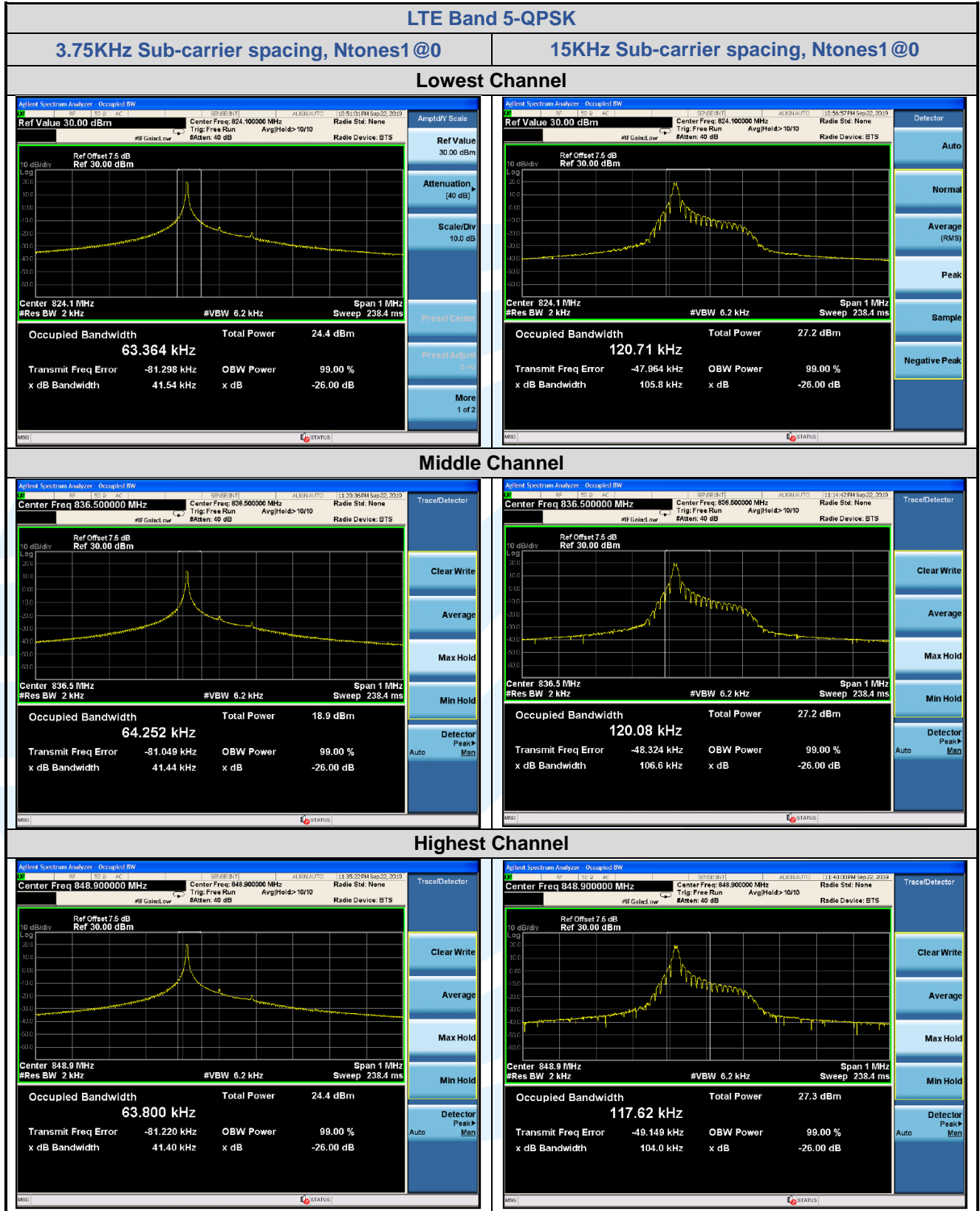
E-mail: info@uttlab.com

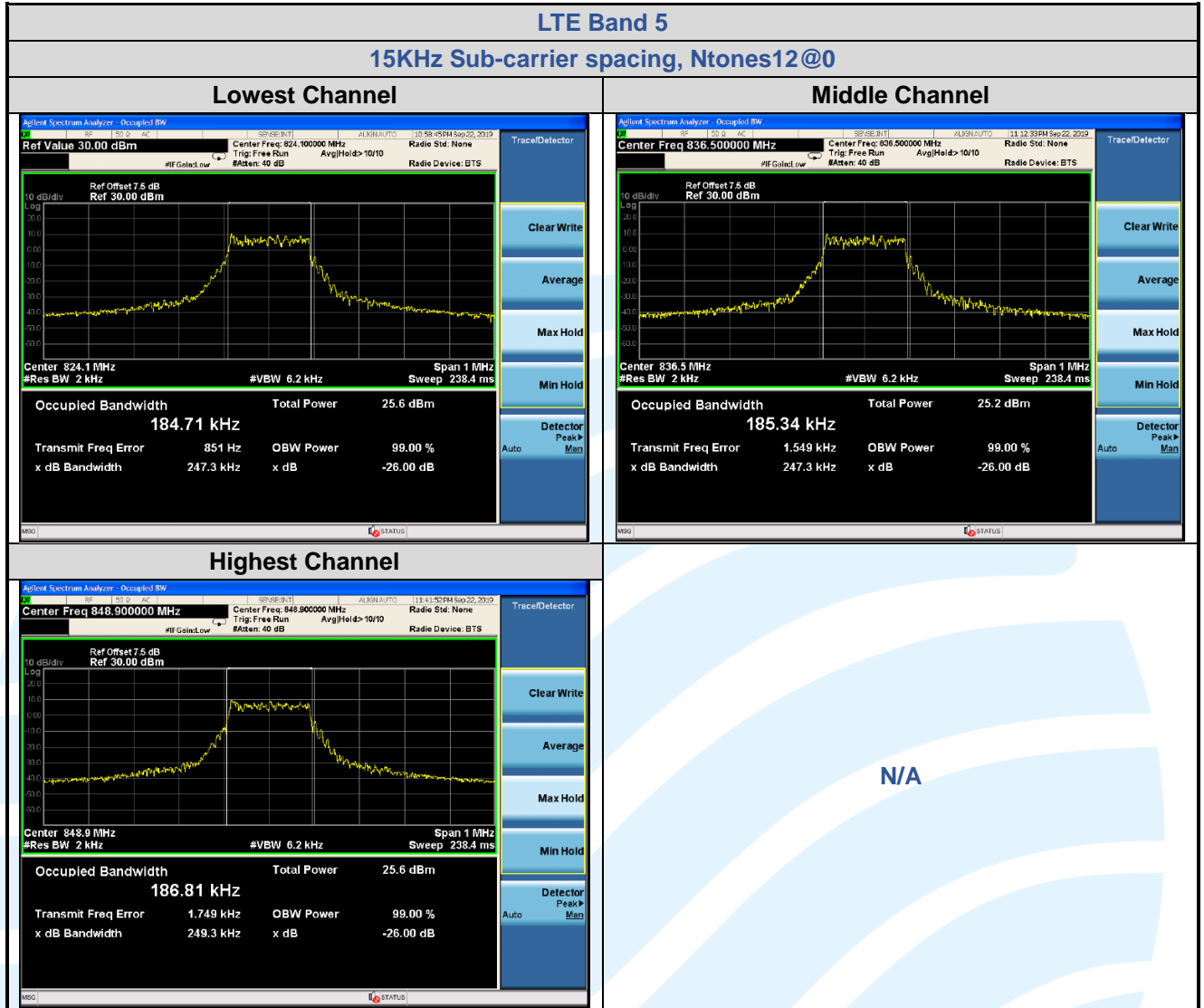
<http://www.uttlab.com>

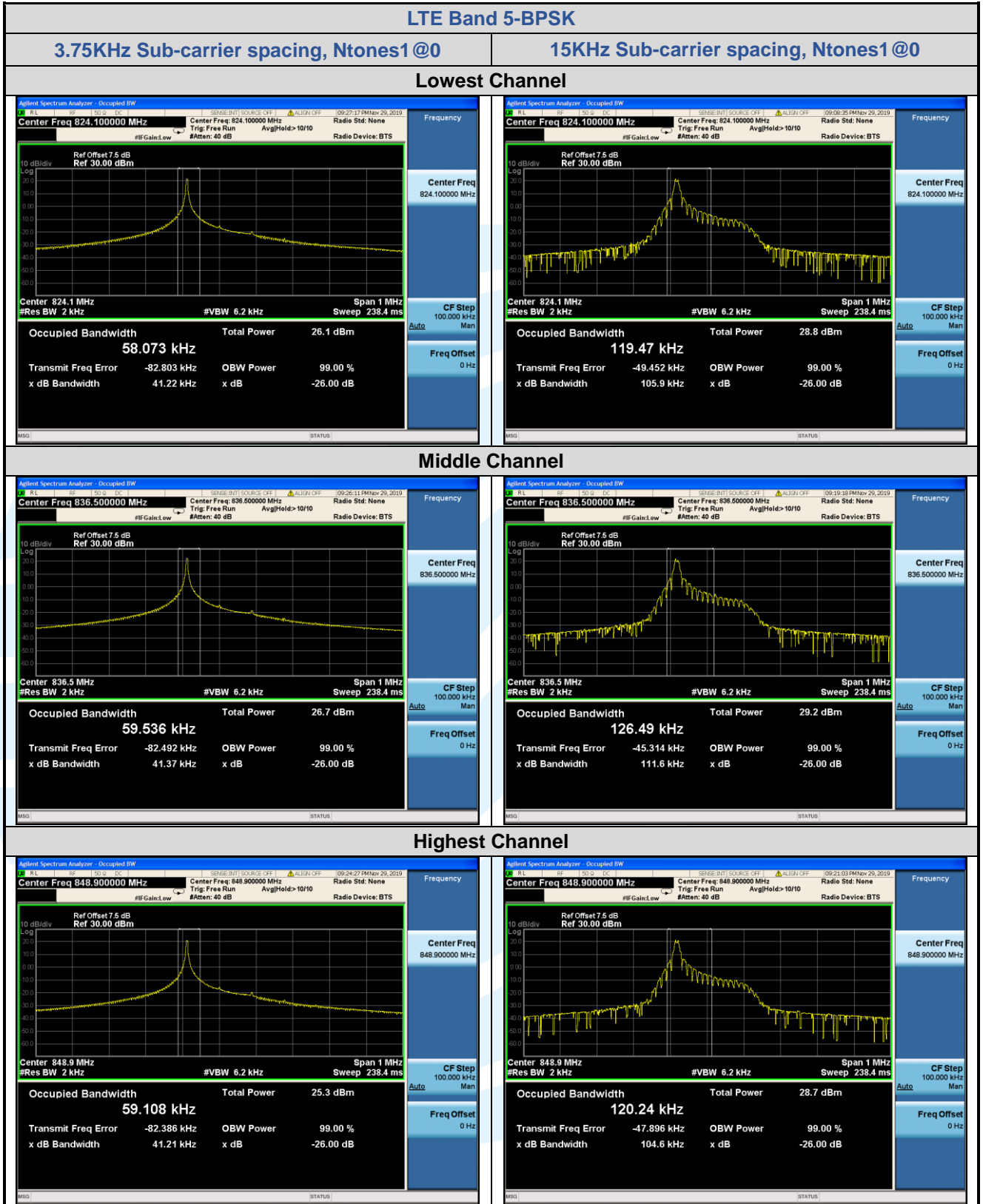
UTTR-RF-RSS4G-V1.0

5.5.3 LTE Band 5

LTE Band 5								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			20401/824.1		20525/836.5		20649/848.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	63.364	41.540	64.252	41.440	63.800	63.800
QPSK	15	1@0	120.710	105.800	120.080	106.600	117.620	41.400
QPSK	15	12@0	184.71	247.300	185.340	247.300	186.810	249.30
BPSK	3.75	1@0	58.073	41.22	59.536	41.37	59.108	41.21
BPSK	15	1@0	119.47	105.9	126.49	111.6	120.24	104.6







Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1, Longhua New District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

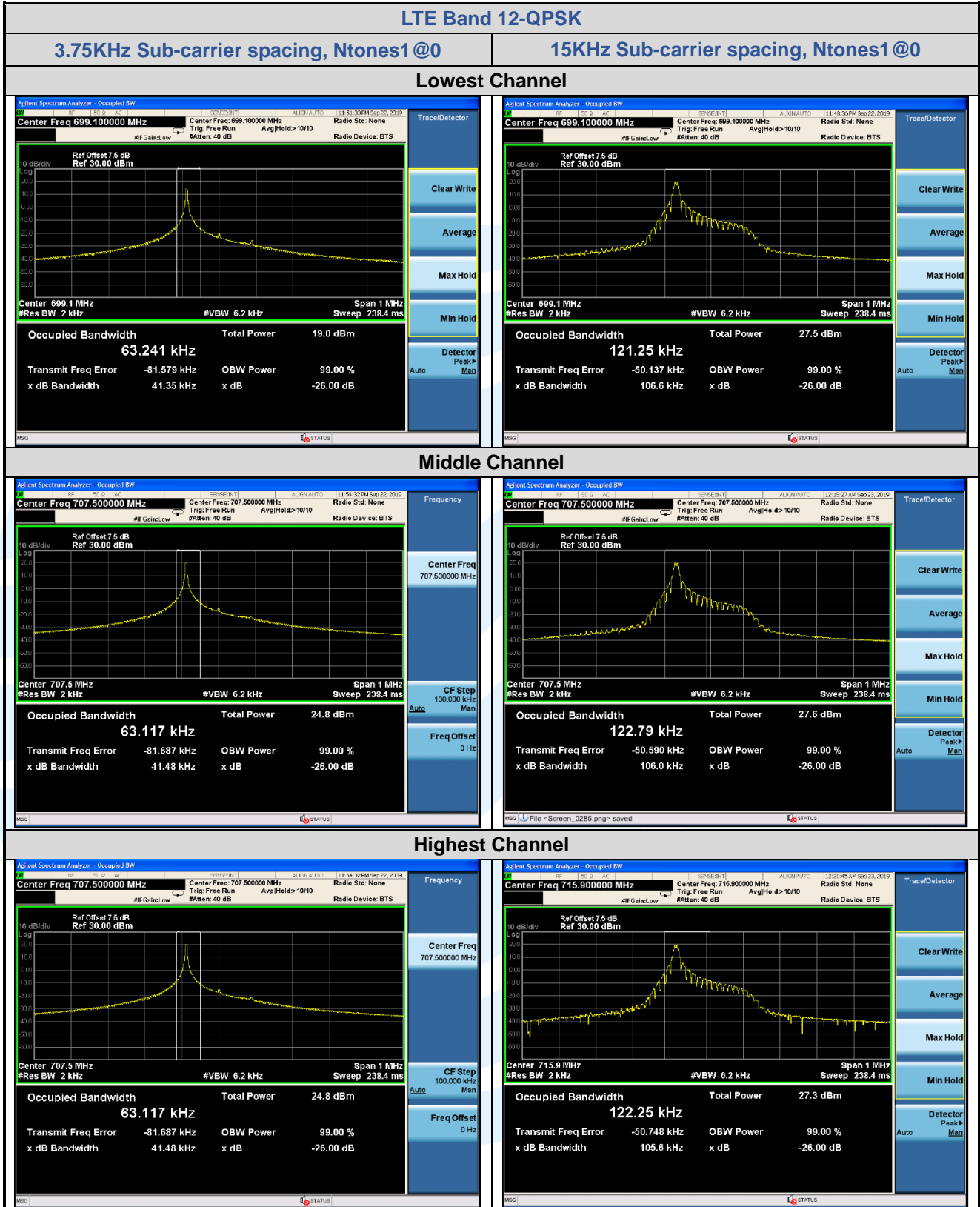
E-mail: info@uttlab.com

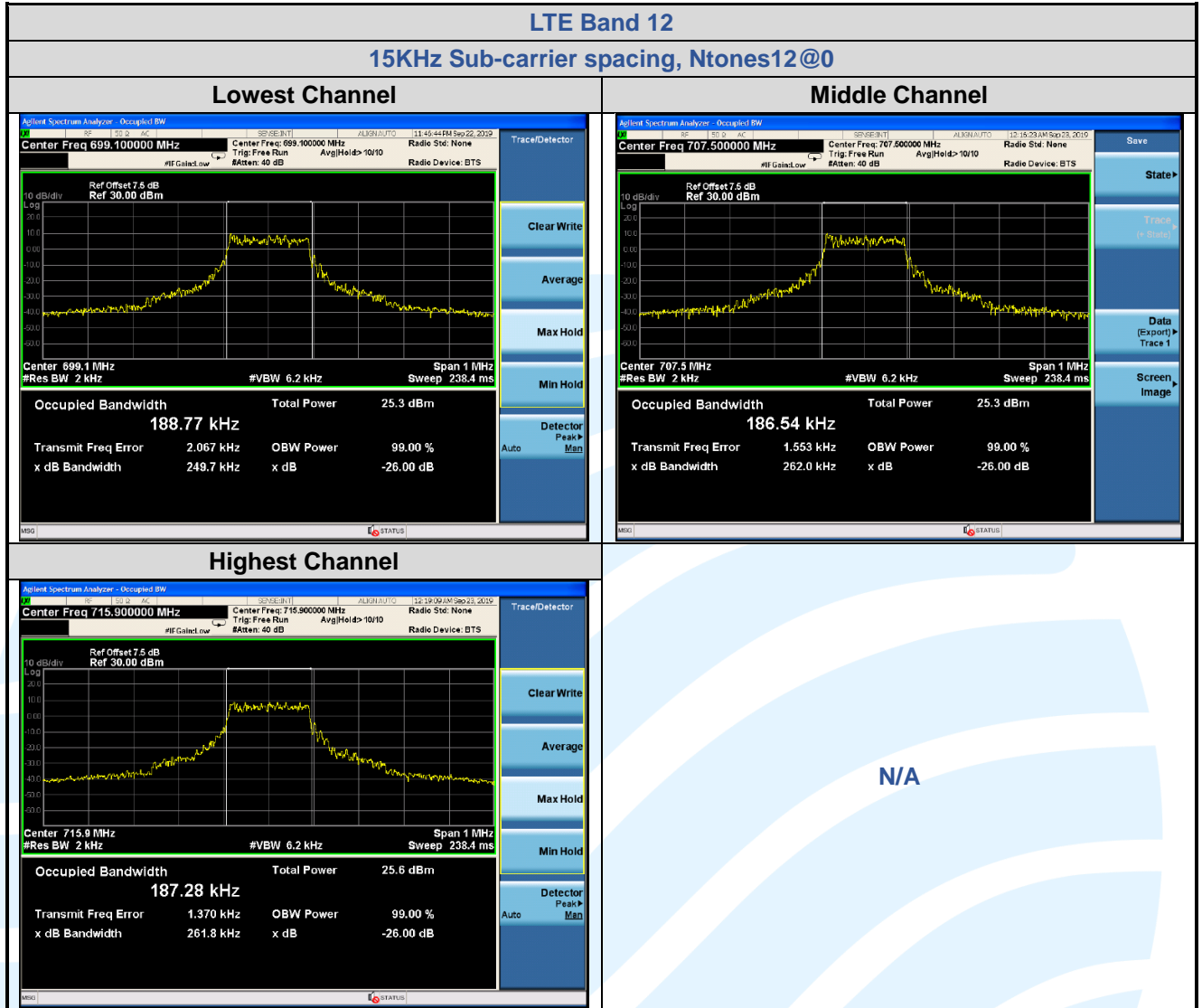
[Http://www.uttlab.com](http://www.uttlab.com)

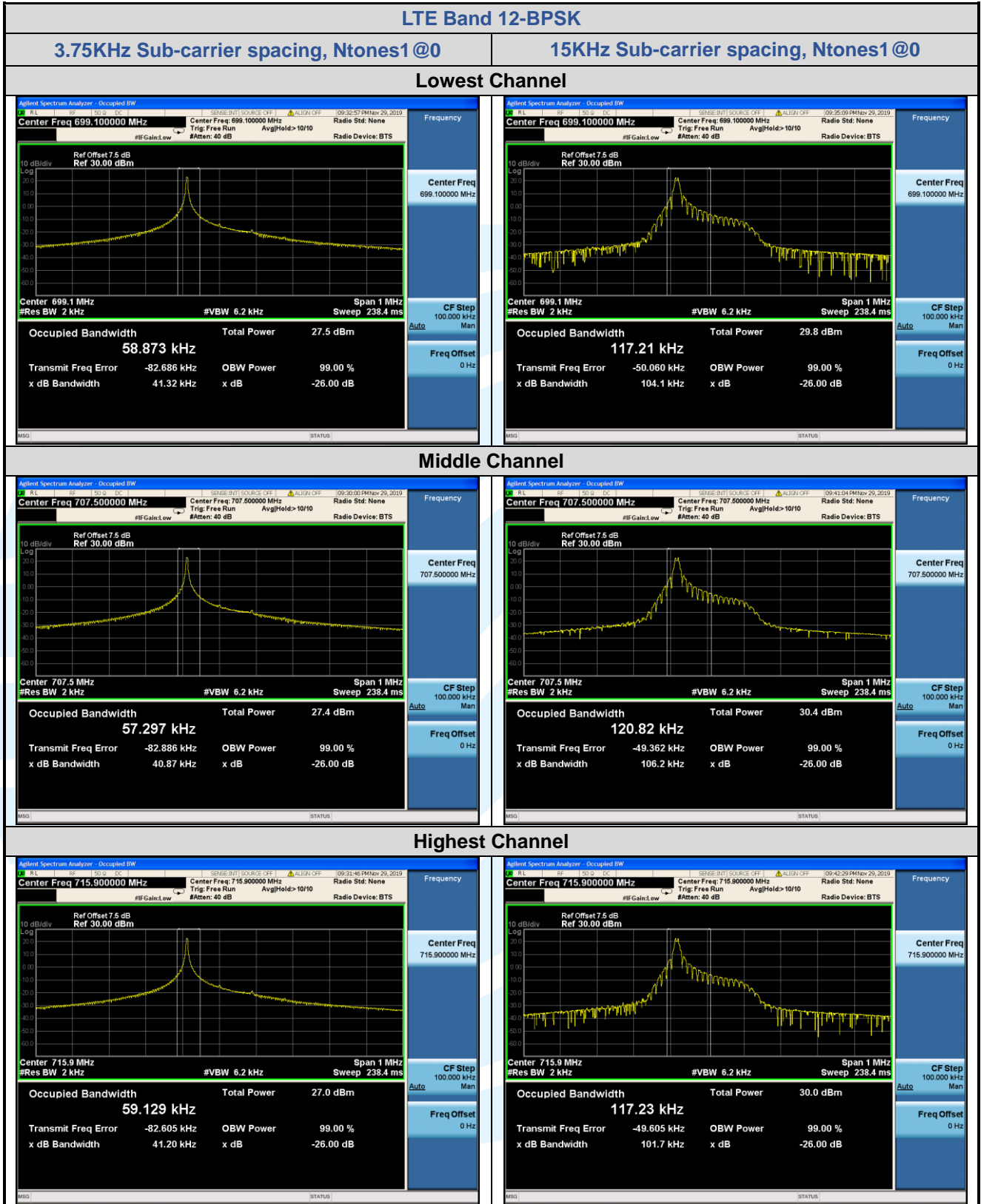
UTTR-RF-RSS4G-V1.0

5.5.4 LTE Band 12

LTE Band 12								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			23011/699.1		23095/707.5		23179/715.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	63.241	41.35	63.117	41.480	63.117	41.48
QPSK	15	1@0	121.25	106.6	122.79	106.0	122.25	105.6
QPSK	15	12@0	188.77	249.7	185.54	262.0	187.28	261.8
BPSK	3.75	1@0	58.873	41.32	57.297	40.87	58.129	41.20
BPSK	15	1@0	117.21	104.1	120.82	106.2	117.23	101.7







Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1, Longhua New District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

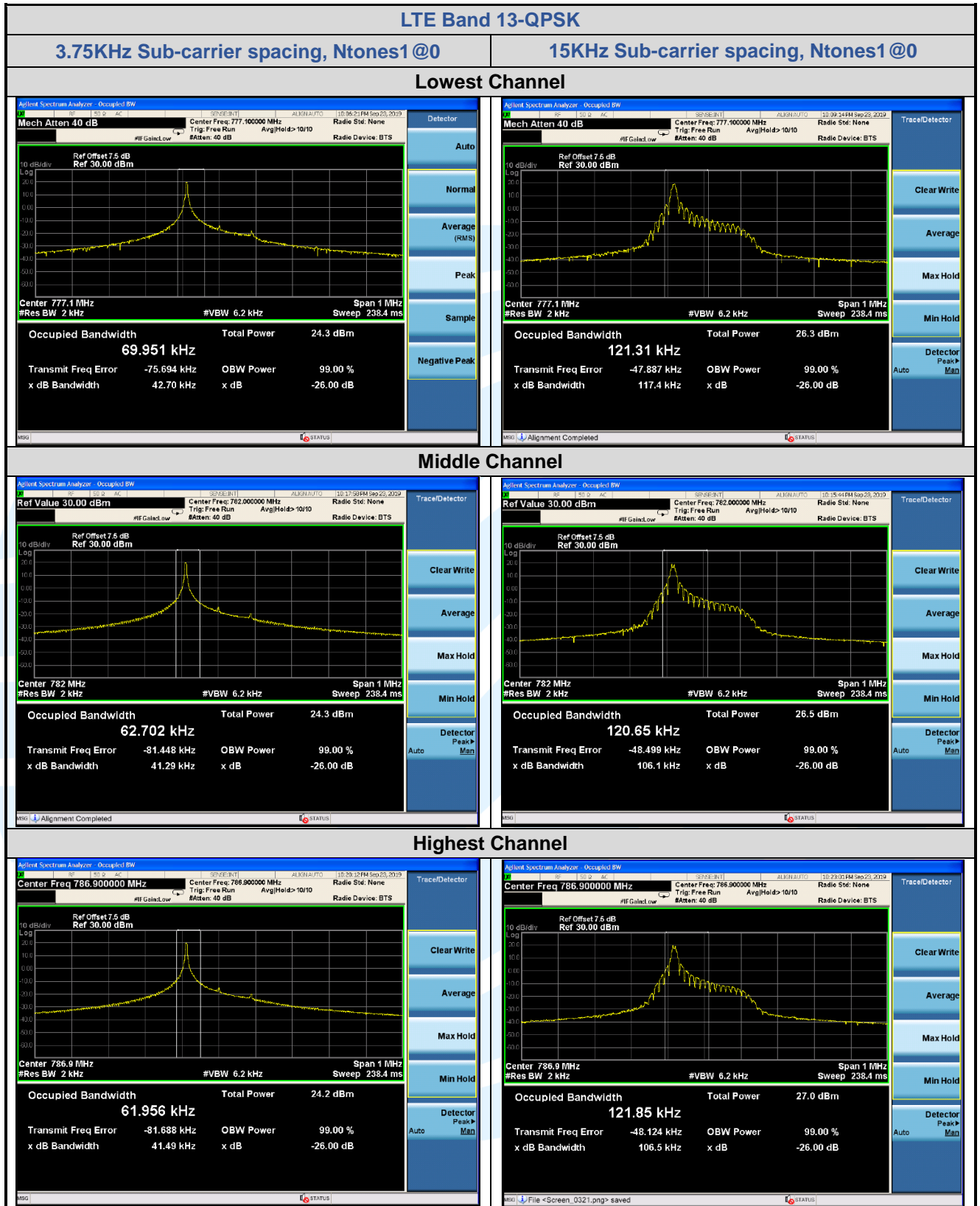
E-mail: info@uttlab.com

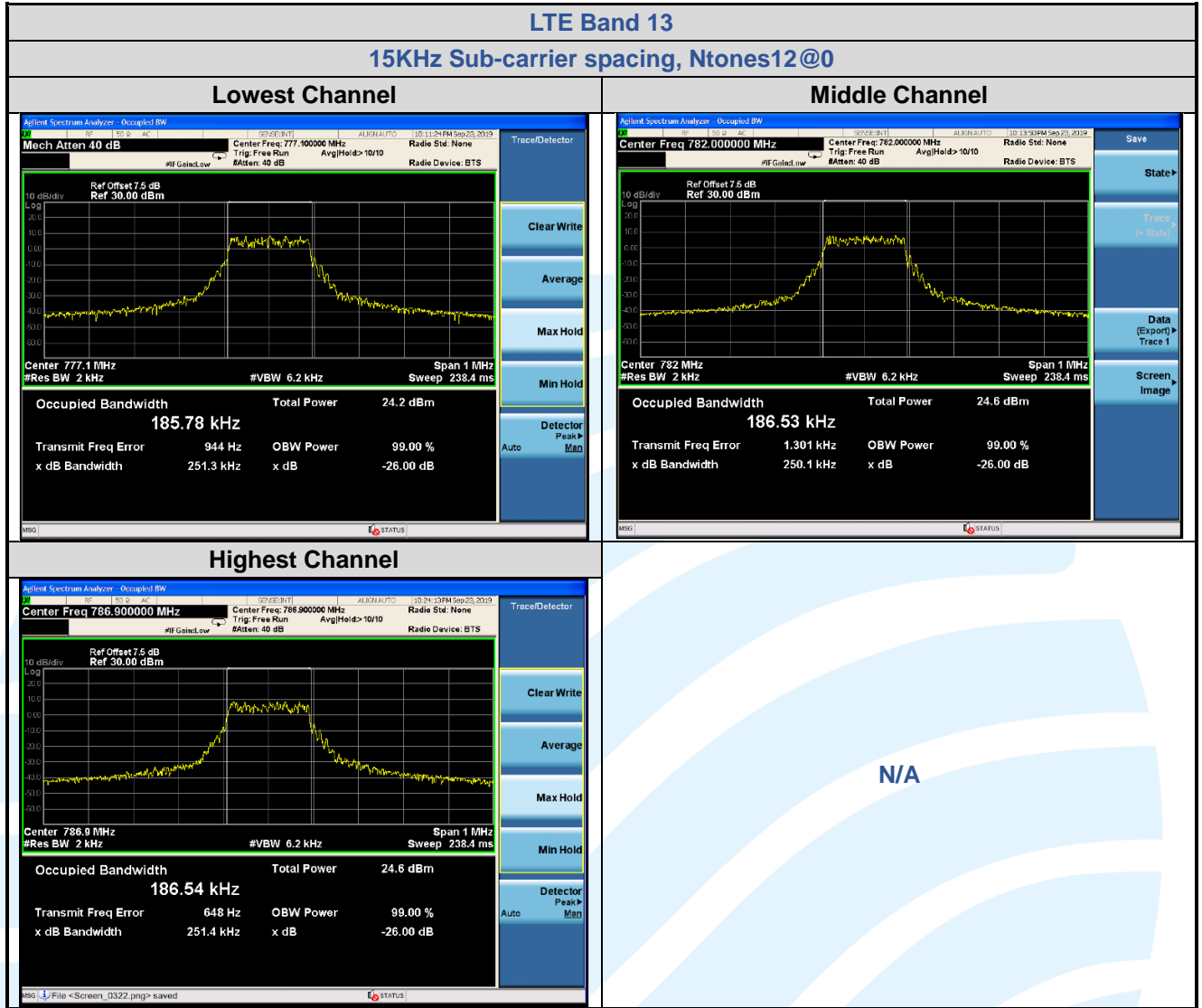
[Http://www.uttlab.com](http://www.uttlab.com)

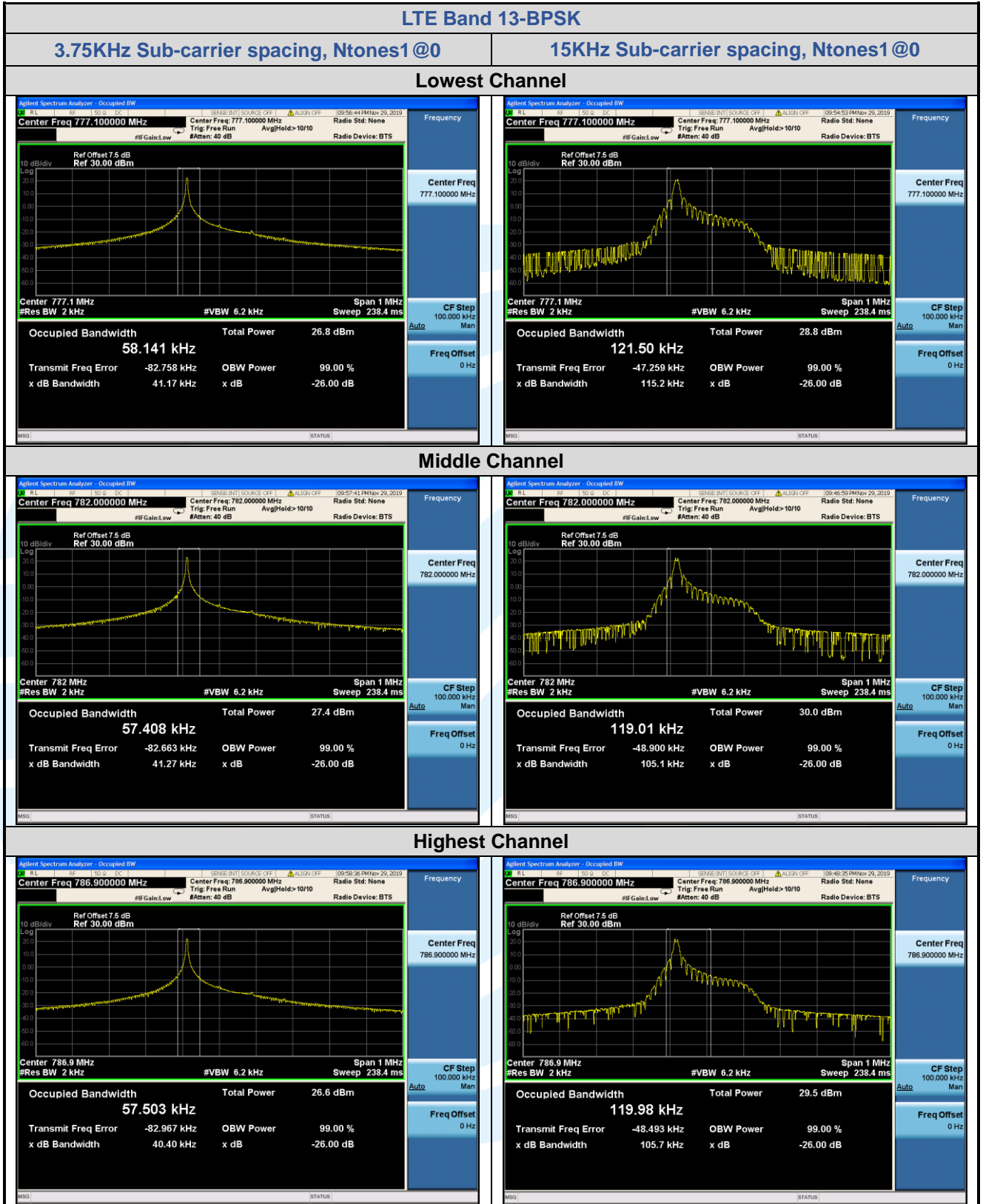
UTTR-RF-RSS4G-V1.0

5.5.5 LTE Band 13

LTE Band 13								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			23181/777.1		23230/782		23279/786.9	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	69.951	42.7	62.702	41.27	61.956	41.49
QPSK	15	1@0	121.31	117.4	120.65	106.1	121.85	106.5
QPSK	15	12@0	185.78	251.3	186.53	251.1	186.54	251.4
BPSK	3.75	1@0	58.141	41.17	57.408	41.27	57.503	40.40
BPSK	15	1@0	121.50	115.2	119.01	105.1	119.98	105.7







Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6, Baoneng Science and Technology Park, Qingxiang Road No.1, Longhua New District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

[Http://www.uttlab.com](http://www.uttlab.com)

UTTR-RF-RSS4G-V1.0

5.5.6 LTE Band 25

LTE Band 25								
Modulation	Sub-carrier spacing (KHz)	Ntones	Bandwidth(KHz) for low/mid/high channel					
			26041/1850.1		26365/1882.5		26689/1914.90	
			99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)	99% (KHz)	-26dBc (KHz)
QPSK	3.75	1@0	64.32	41.64	62.159	41.26	62.768	41.350
QPSK	15	1@0	122.02	105.7	121.400	104.9	120.19	105.9
QPSK	15	12@0	185.09	250.3	187.39	249.4	185.95	249.6
BPSK	3.75	1@0	58.981	41.07	62.440	41.49	60.221	41.42
BPSK	15	1@0	119.99	103.1	121.41	103.7	127.17	116.4

