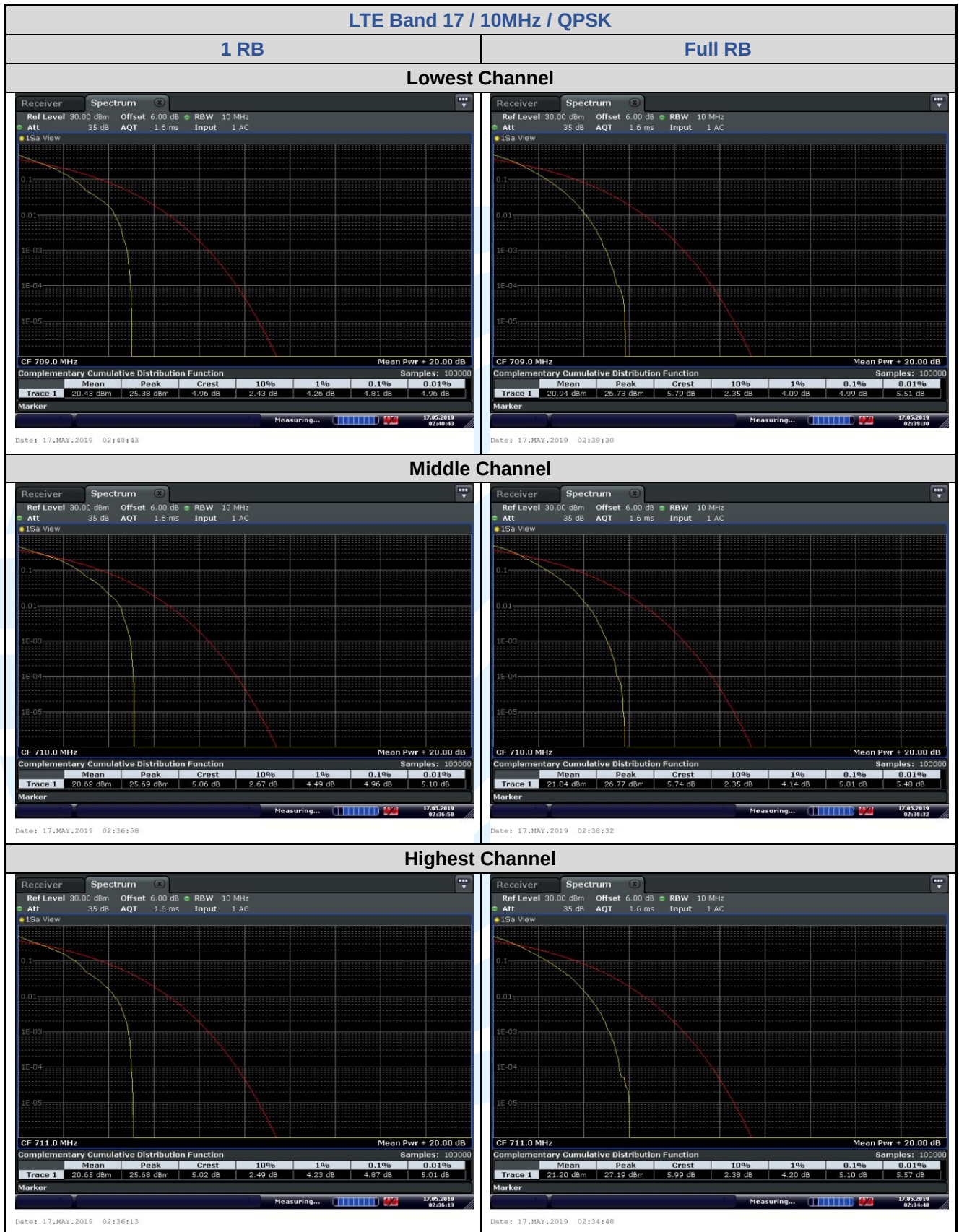
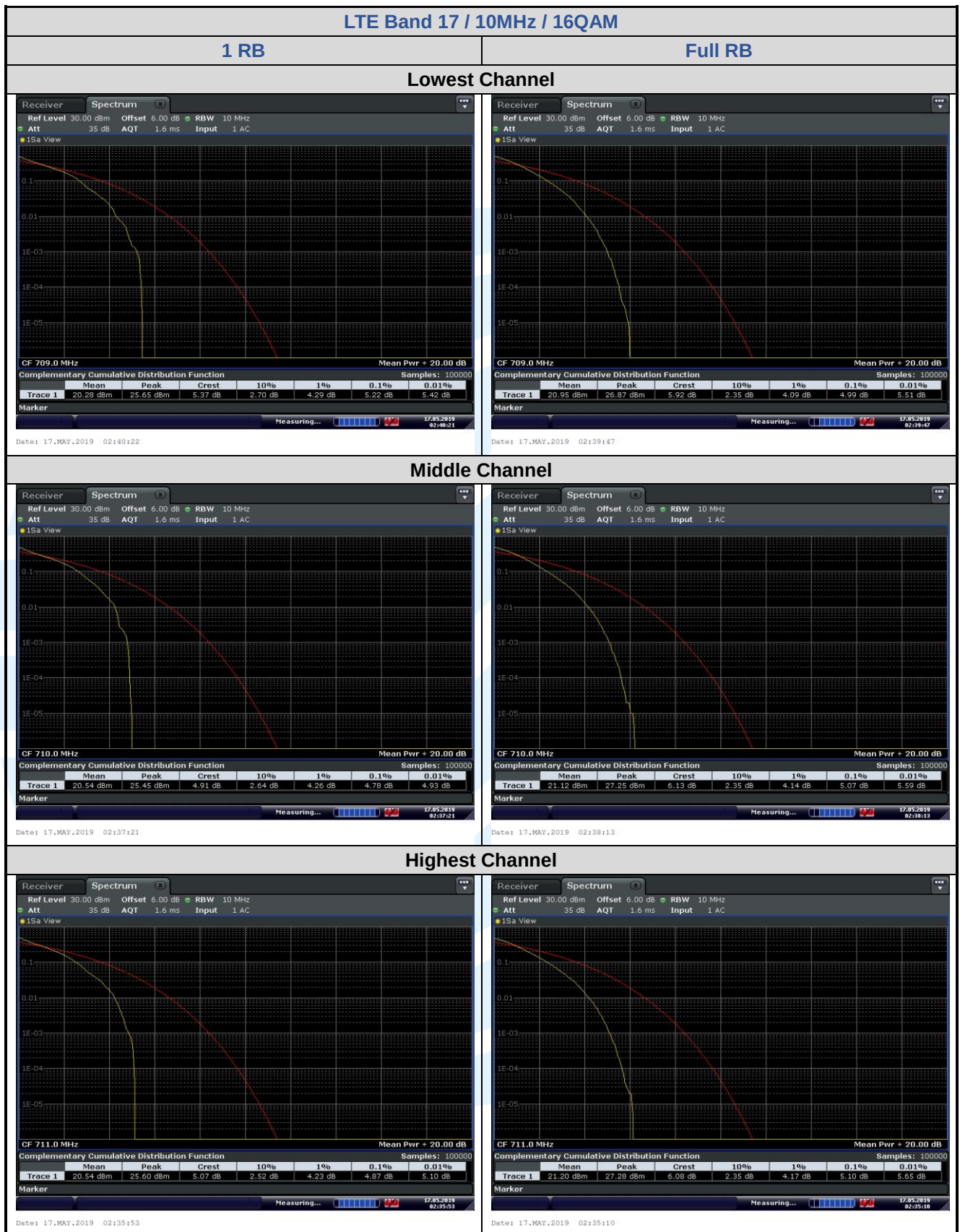






5.5 99%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h),
GSM 850 & WCDMA Band V & LTE Band 5: FCC 47 CFR Part 22.917(b),
GSM 1900 & WCDMA Band II & LTE Band 2: FCC 47 CFR Part 24.238(b),
WCDMA Band IV & LTE Band 4: FCC 47 CFR Part 27.53(h),
LTE Band 12 & Band 17: FCC 47 CFR Part 27.53(g)
LTE Band 7: FCC 47 CFR Part 27.50(a)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit: No Limit

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

99% & 26 dB Bandwidth				
Test Mode	Channel	Frequency (MHz)	26 dB BW (kHz)	99% BW (kHz)
GSM 850 1Tx-slot	128	824.2	322.3	242.70
	190	836.6	317.1	244.66
	251	848.8	320.2	245.93
EDGE 850 1Tx-slot	128	824.2	279.5	233.09
	190	836.6	298.4	234.28
	251	848.8	316.3	236.43
GSM 1900 1Tx-slot	512	1850.2	320.5	241.95
	661	1880.0	318.7	245.30
	810	1909.8	318.0	244.32
EDGE 1900 1Tx-slot	512	1850.2	300.8	240.35
	661	1880.0	322.6	250.48
	810	1909.8	319.9	245.81

99% & 26 dB Bandwidth				
Test Mode	Channel	Frequency (MHz)	26 dB BW (MHz)	99% BW (MHz)
WCDMA Band II RMC 12.2Kbps	9262	1852.4	4.730	4.1718
	9400	1880.0	4.715	4.1644
	9538	1907.6	4.710	4.1712
WCDMA Band IV RMC 12.2Kbps	1312	1712.4	4.745	4.1823
	1412	1732.4	4.708	4.1698
	1513	1752.6	4.720	4.1670
WCDMA Band V RMC 12.2Kbps	4132	826.4	4.700	4.1602
	4182	836.4	4.705	4.1688
	4233	846.6	4.694	4.1897

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

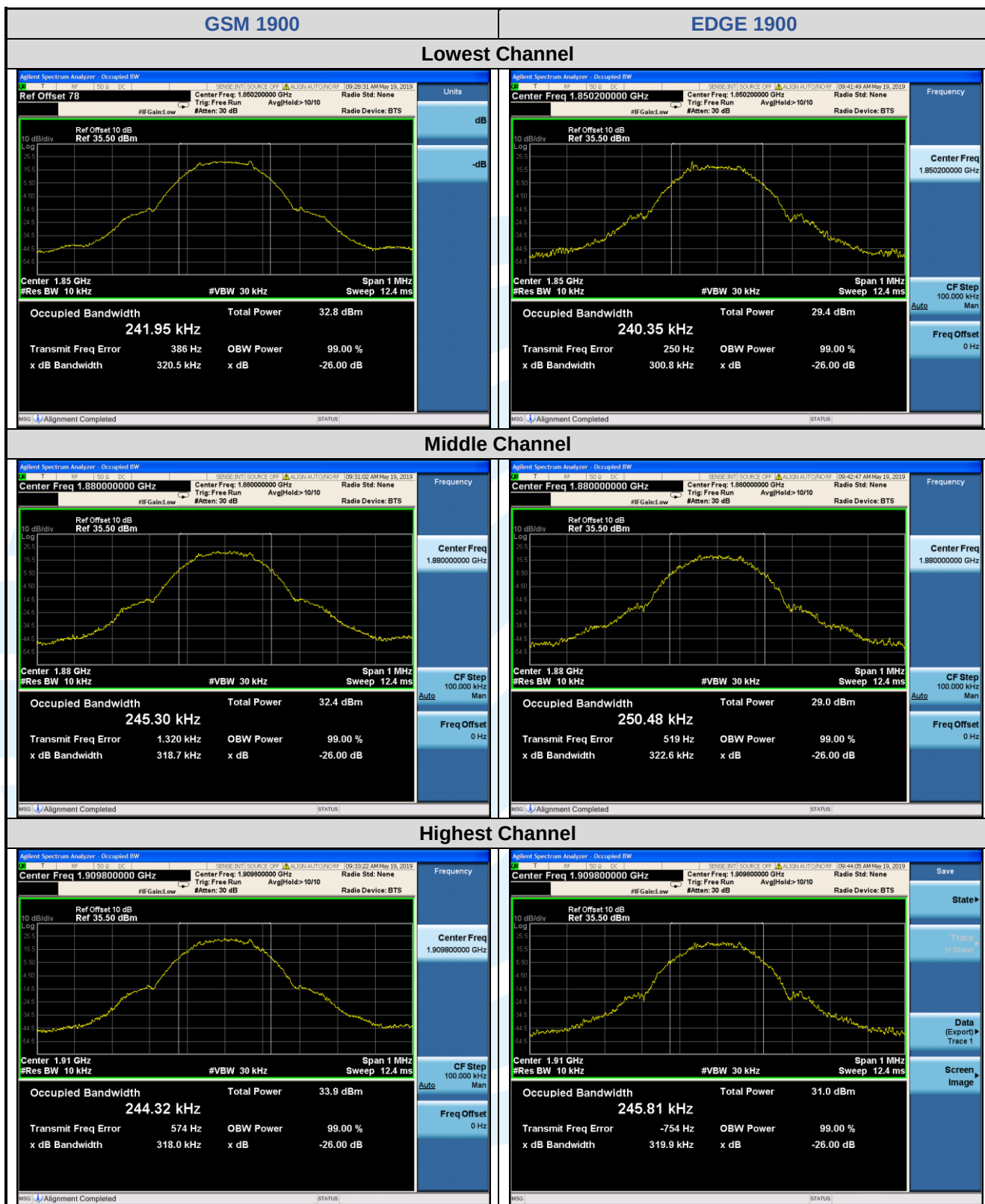
Fax: +86-755-28230886

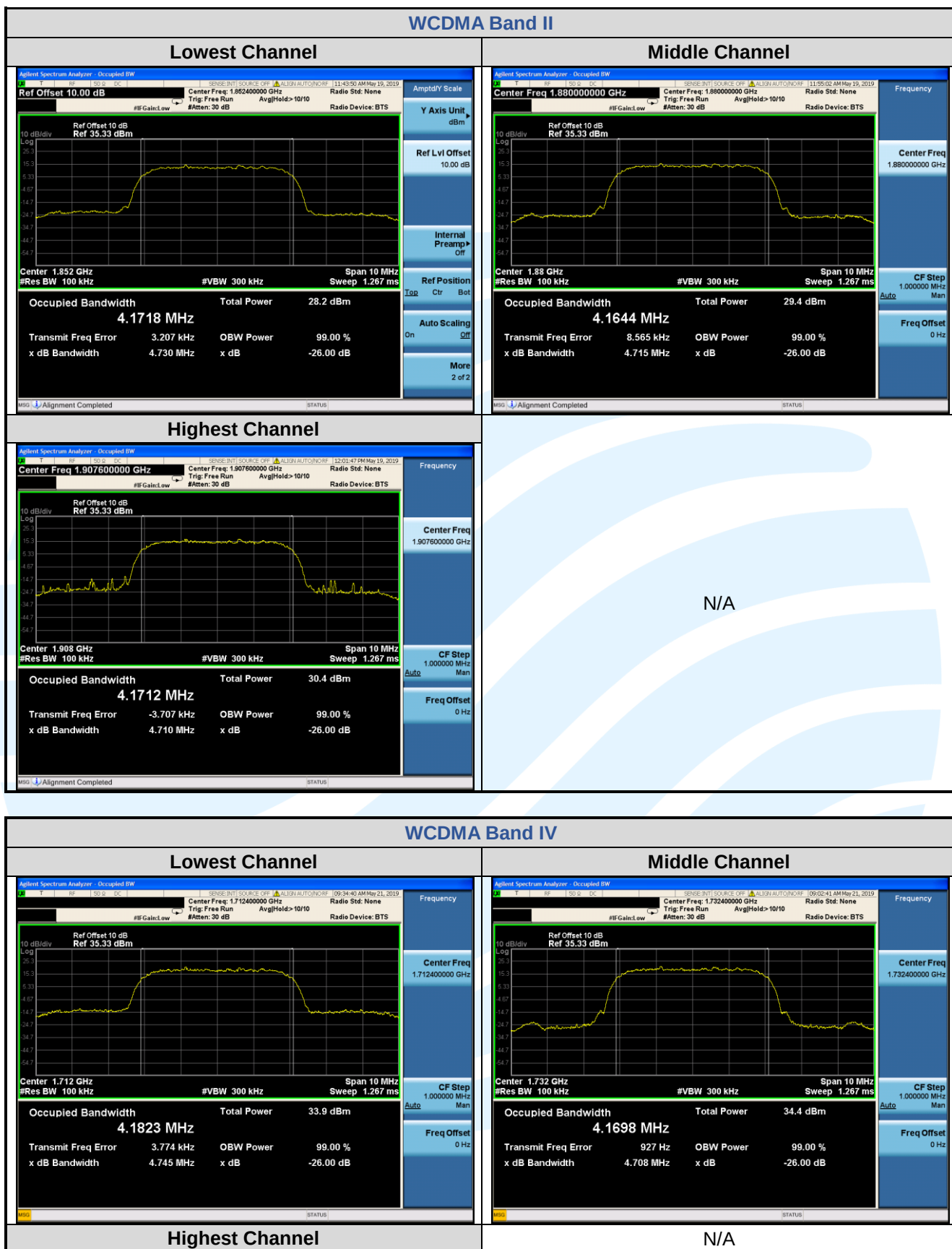
E-mail: info@uttlab.com

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

The test plots as follows:





**WCDMA Band IV**

Lowest Channel

Lowest Channel Data:

Center Freq	1.712 GHz
Occupied Bandwidth	4.1823 MHz
Total Power	33.9 dBm
Transmit Freq Error	3.774 kHz
OBW Power	99.00 %
x dB Bandwidth	4.745 MHz
x dB	-26.00 dB

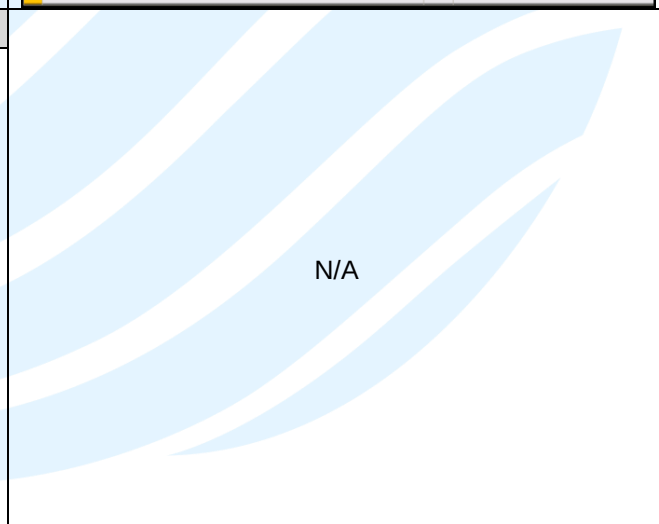
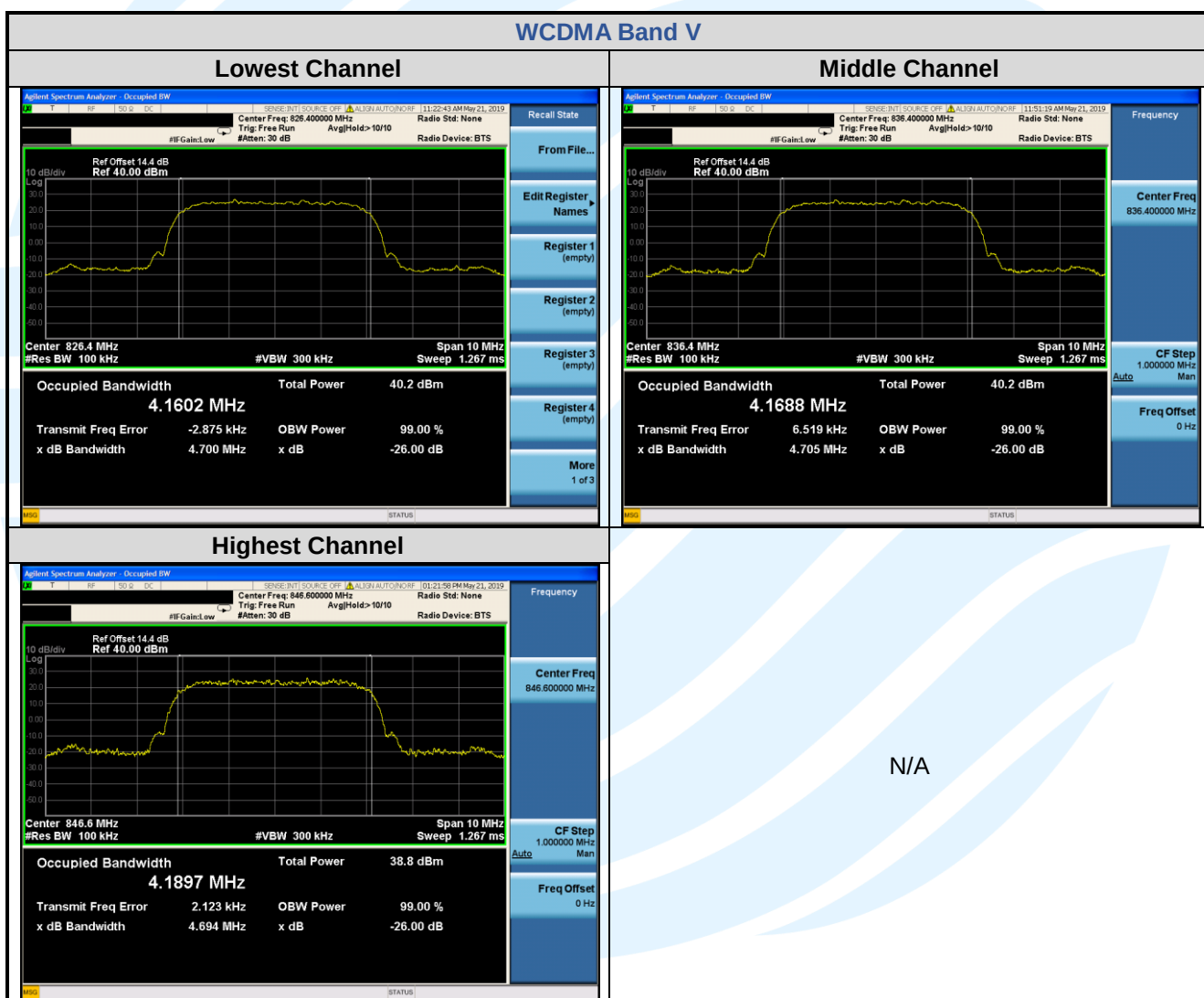
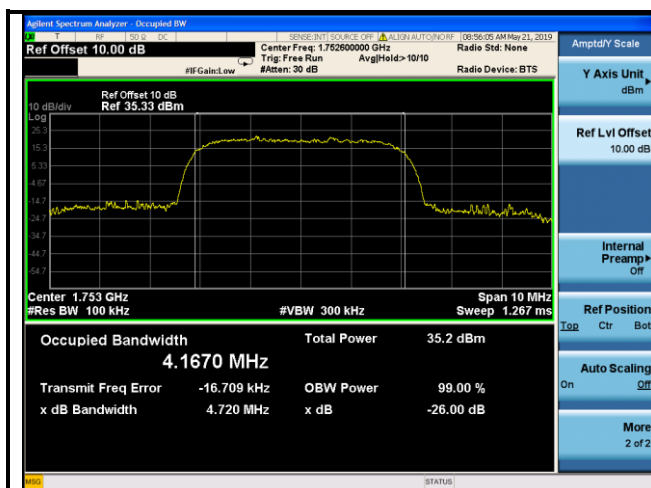
Middle Channel

Middle Channel Data:

Center Freq	1.732400000 GHz
Occupied Bandwidth	4.1698 MHz
Total Power	34.4 dBm
Transmit Freq Error	927 Hz
OBW Power	99.00 %
x dB Bandwidth	4.708 MHz
x dB	-26.00 dB

Highest Channel

N/A



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	1.304	1.319	N/A	1.0934	1.1000	N/A
Middle	6	0	1.281	1.281	N/A	1.1053	1.1002	N/A
Highest	6	0	1.292	1.284	N/A	1.0957	1.0885	N/A
Channel Bandwidth: 3 MHz								
Lowest	15	0	2.930	2.936	N/A	2.6981	2.7023	N/A
Middle	15	0	2.933	2.932	N/A	2.6956	2.6951	N/A
Highest	15	0	2.918	2.937	N/A	2.6938	2.6921	N/A
Channel Bandwidth: 5 MHz								
Lowest	25	0	4.949	4.874	N/A	4.5202	4.5142	N/A
Middle	25	0	4.968	4.944	N/A	4.5090	4.5000	N/A
Highest	25	0	4.948	4.949	N/A	4.5020	4.5011	N/A
Channel Bandwidth: 10 MHz								
Lowest	50	0	9.855	10.09	N/A	8.9923	8.9981	N/A
Middle	50	0	9.799	9.771	N/A	8.9867	8.9822	N/A
Highest	50	0	9.678	9.809	N/A	9.0143	9.0203	N/A
Channel Bandwidth: 15 MHz								
Lowest	75	0	14.790	14.650	N/A	13.4850	13.4780	N/A
Middle	75	0	14.670	14.640	N/A	13.4400	13.4430	N/A
Highest	75	0	14.770	14.720	N/A	13.4880	13.4960	N/A
Channel Bandwidth: 20 MHz								
Lowest	100	0	19.600	19.480	N/A	17.9880	17.9650	N/A
Middle	100	0	19.380	19.380	N/A	17.9890	17.9860	N/A
Highest	100	0	22.870	22.390	N/A	18.0470	18.0280	N/A

