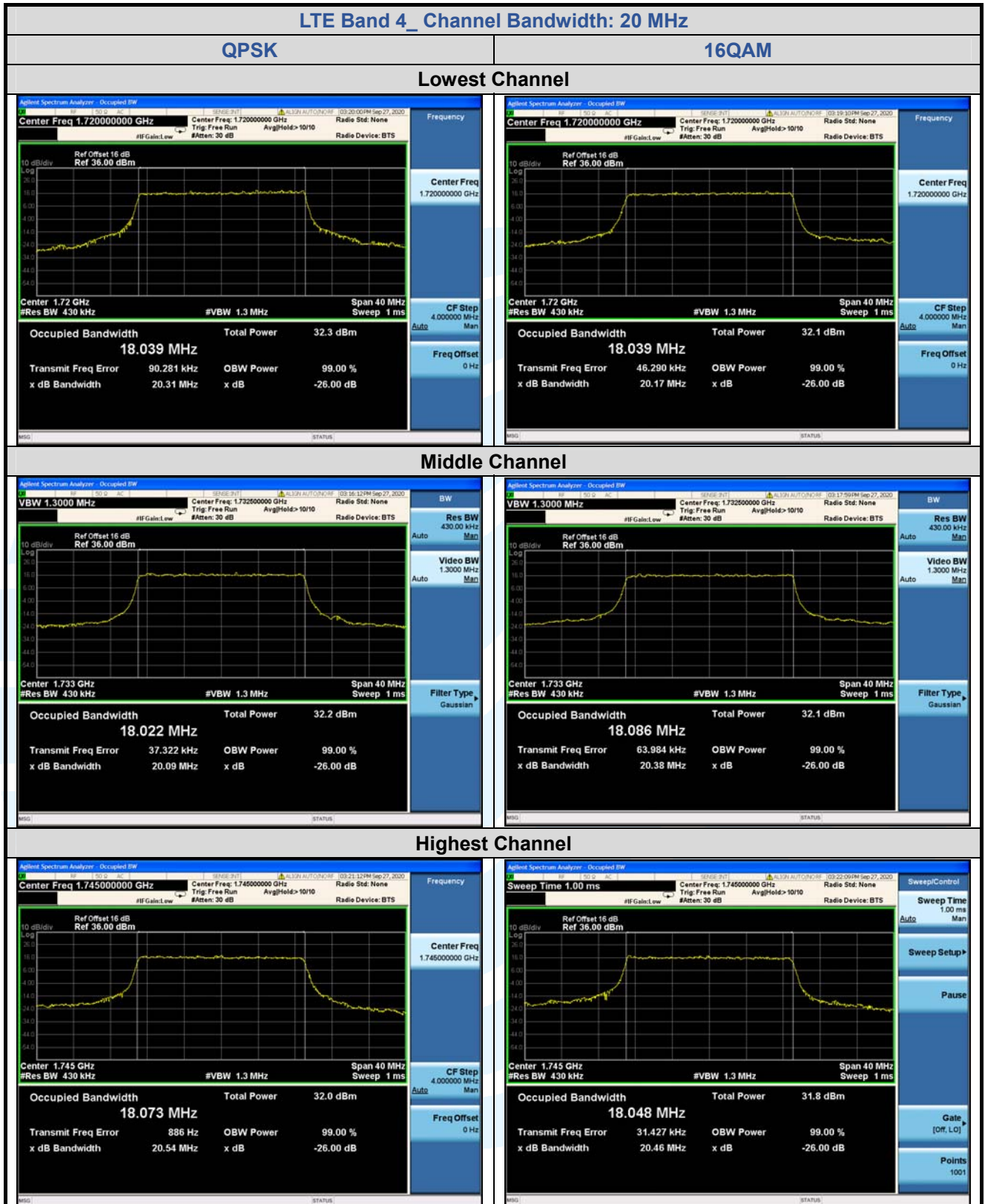
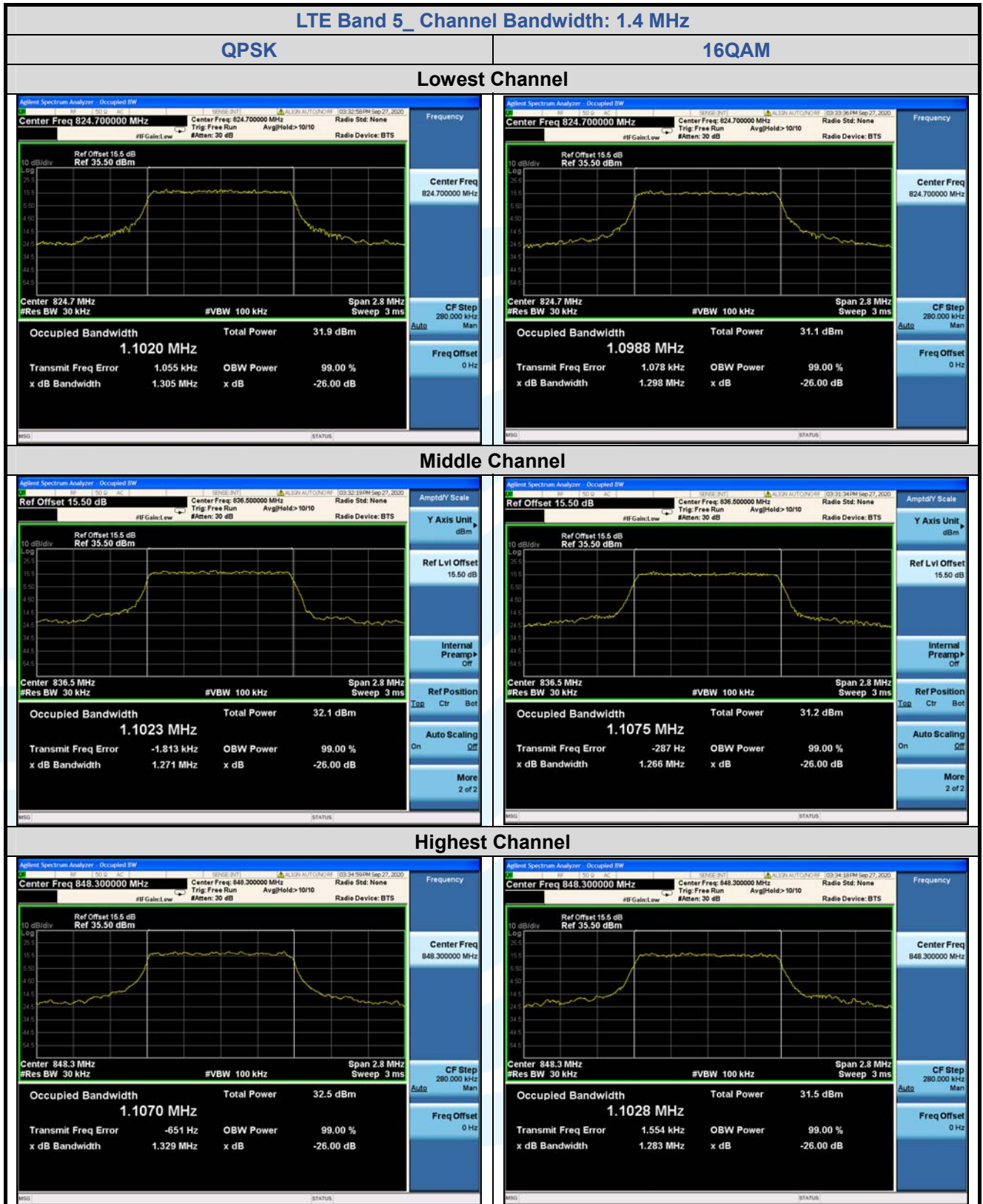


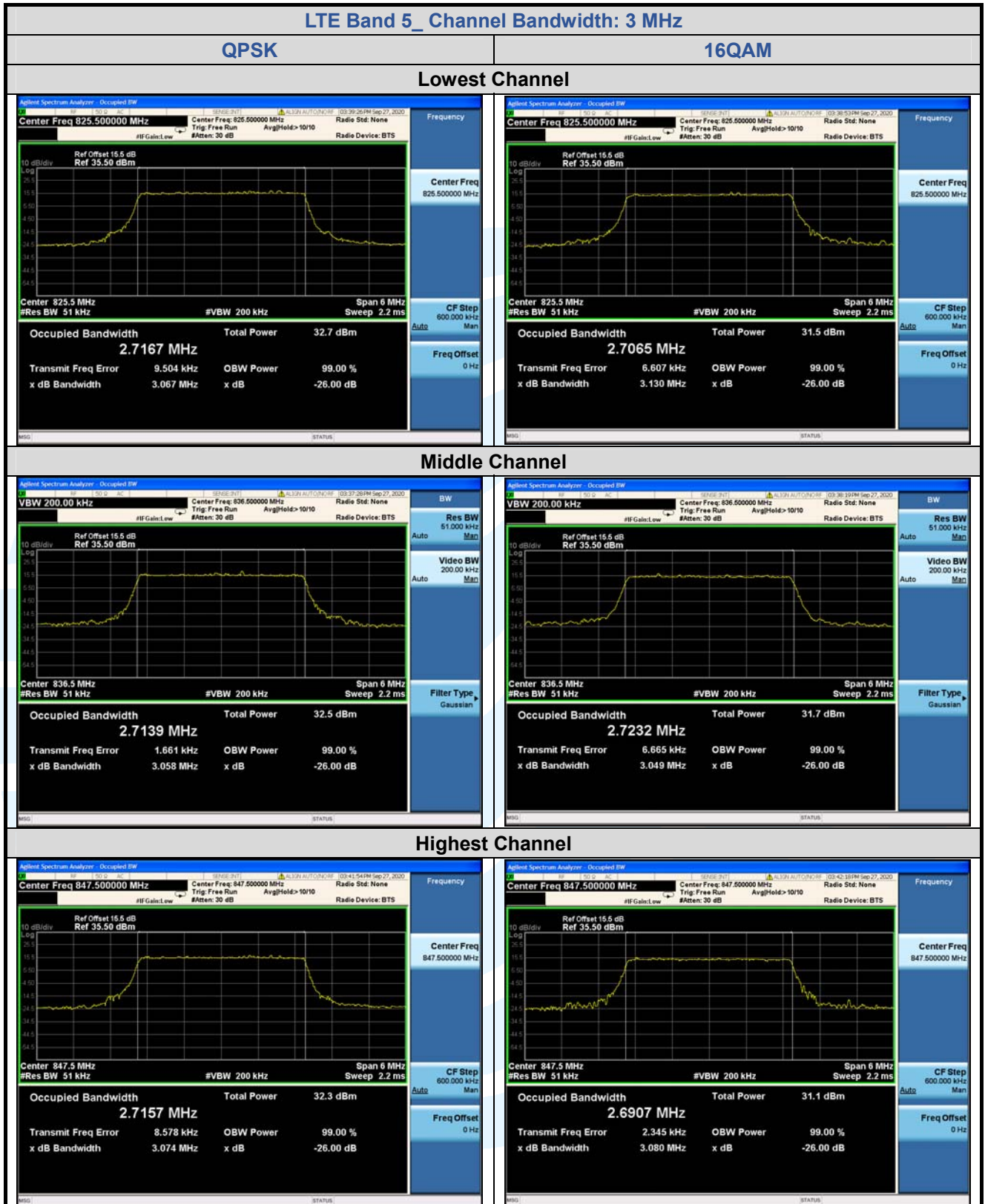


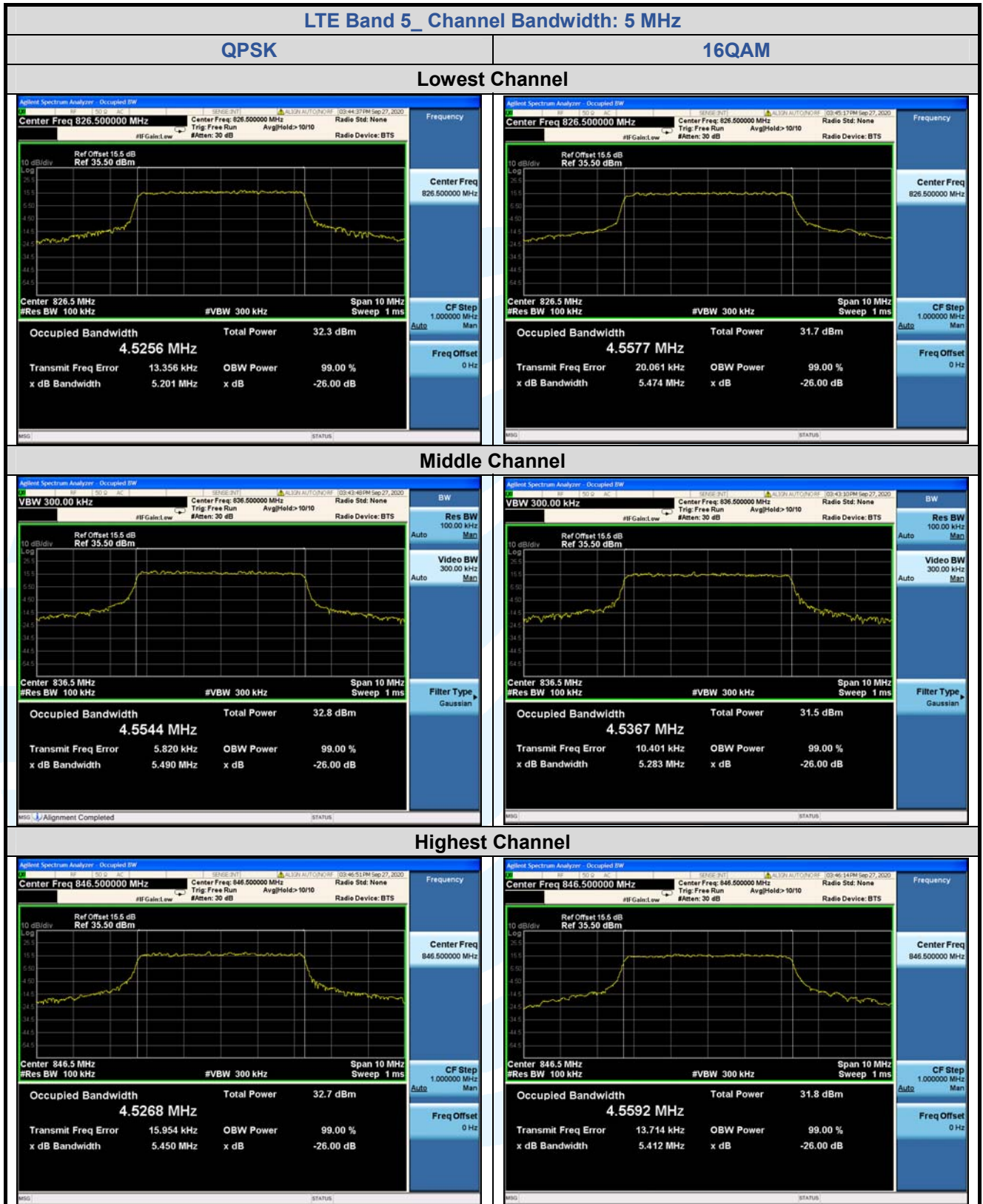


5.5.3 LTE Band 5

LTE Band 5								
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	1.305	1.298	/	1.1020	1.0988	/
Middle	6	0	1.271	1.266	/	1.1023	1.1075	/
Highest	6	0	1.329	1.283	/	1.1070	1.1028	/
Channel Bandwidth: 3 MHz								
Lowest	15	0	3.067	3.130	/	2.7167	2.7065	/
Middle	15	0	3.058	3.049	/	2.7139	2.7232	/
Highest	15	0	3.074	3.080	/	2.7157	2.6907	/
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.201	5.474	/	4.5256	4.5577	/
Middle	25	0	5.490	5.283	/	4.5544	4.5367	/
Highest	25	0	5.450	5.412	/	4.5268	4.5592	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.00	10.05	/	8.9711	8.9918	/
Middle	50	0	10.22	10.07	/	9.0330	9.0265	/
Highest	50	0	10.29	10.50	/	9.0358	9.0248	/







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

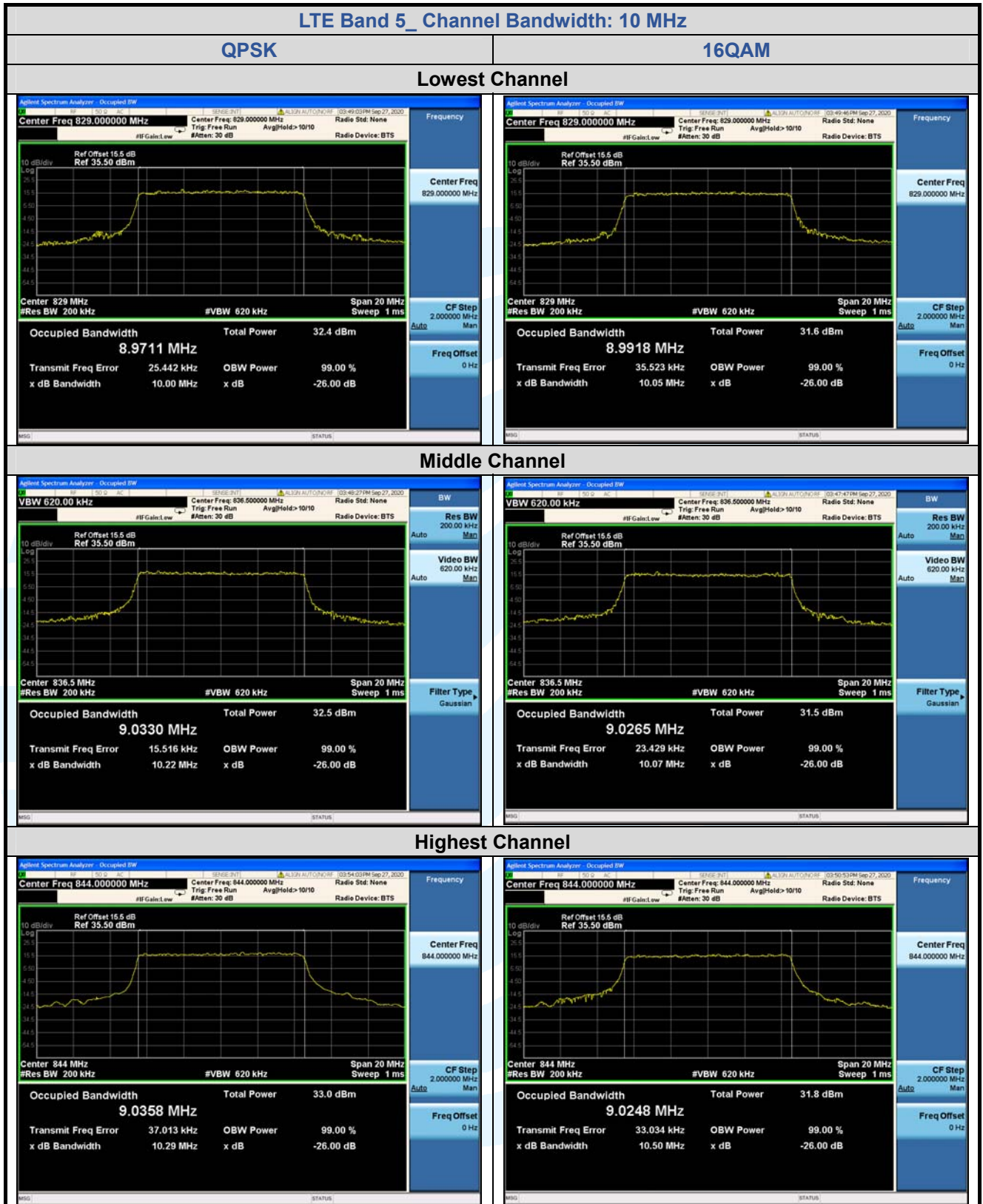
Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

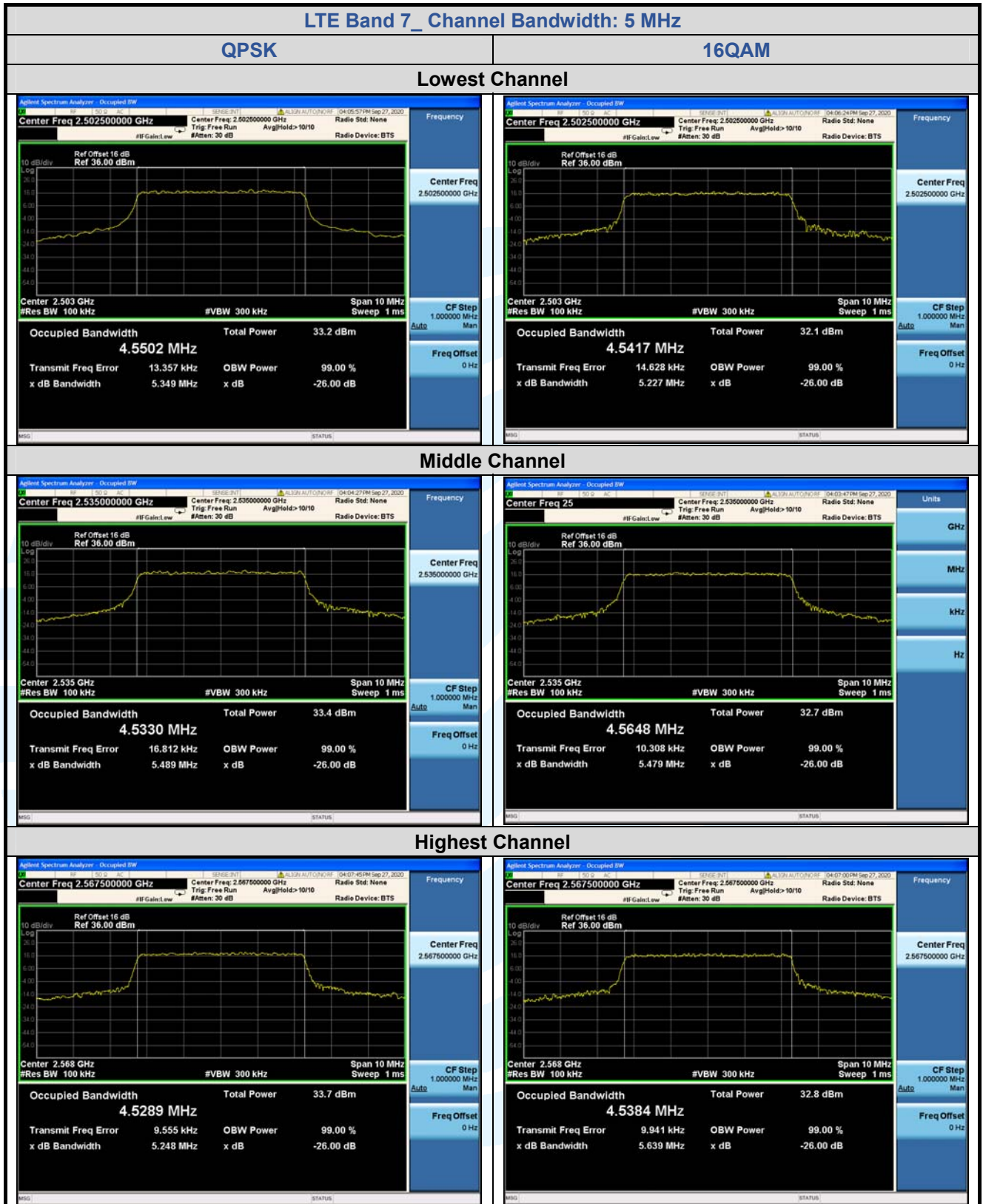
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5.5.4 LTE Band 7

LTE Band 7								
Channel	RB Configuration		26 dB BW (MHz)			99% BW (MHz)		
	Size	Offset	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Channel Bandwidth: 5 MHz								
Lowest	25	0	5.349	5.227	/	4.5502	4.5417	/
Middle	25	0	5.489	5.479	/	4.5330	4.5648	/
Highest	25	0	5.248	5.639	/	4.5289	4.5384	/
Channel Bandwidth: 10 MHz								
Lowest	50	0	10.25	10.23	/	9.0014	9.0184	/
Middle	50	0	10.16	10.05	/	9.0215	9.0119	/
Highest	50	0	10.34	11.03	/	9.0421	9.0383	/
Channel Bandwidth: 15 MHz								
Lowest	75	0	15.29	15.24	/	13.462	13.527	/
Middle	75	0	15.38	15.19	/	13.537	13.537	/
Highest	75	0	17.63	15.53	/	13.583	13.583	/
Channel Bandwidth: 20 MHz								
Lowest	100	0	20.10	20.09	/	17.994	17.999	/
Middle	100	0	20.29	20.20	/	18.062	18.127	/
Highest	100	0	20.54	21.34	/	18.152	18.121	/



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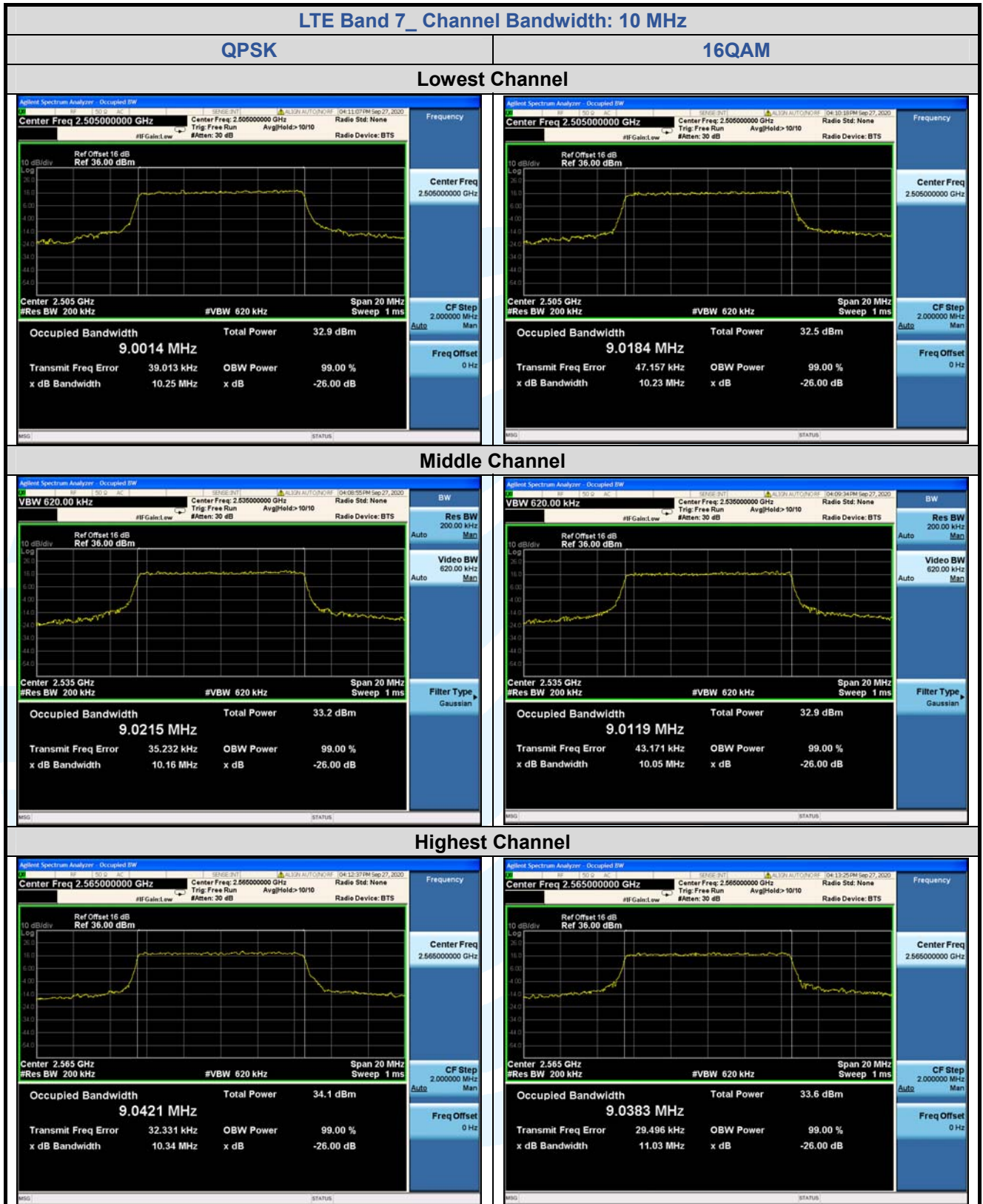
Tel: +86-755-28230888

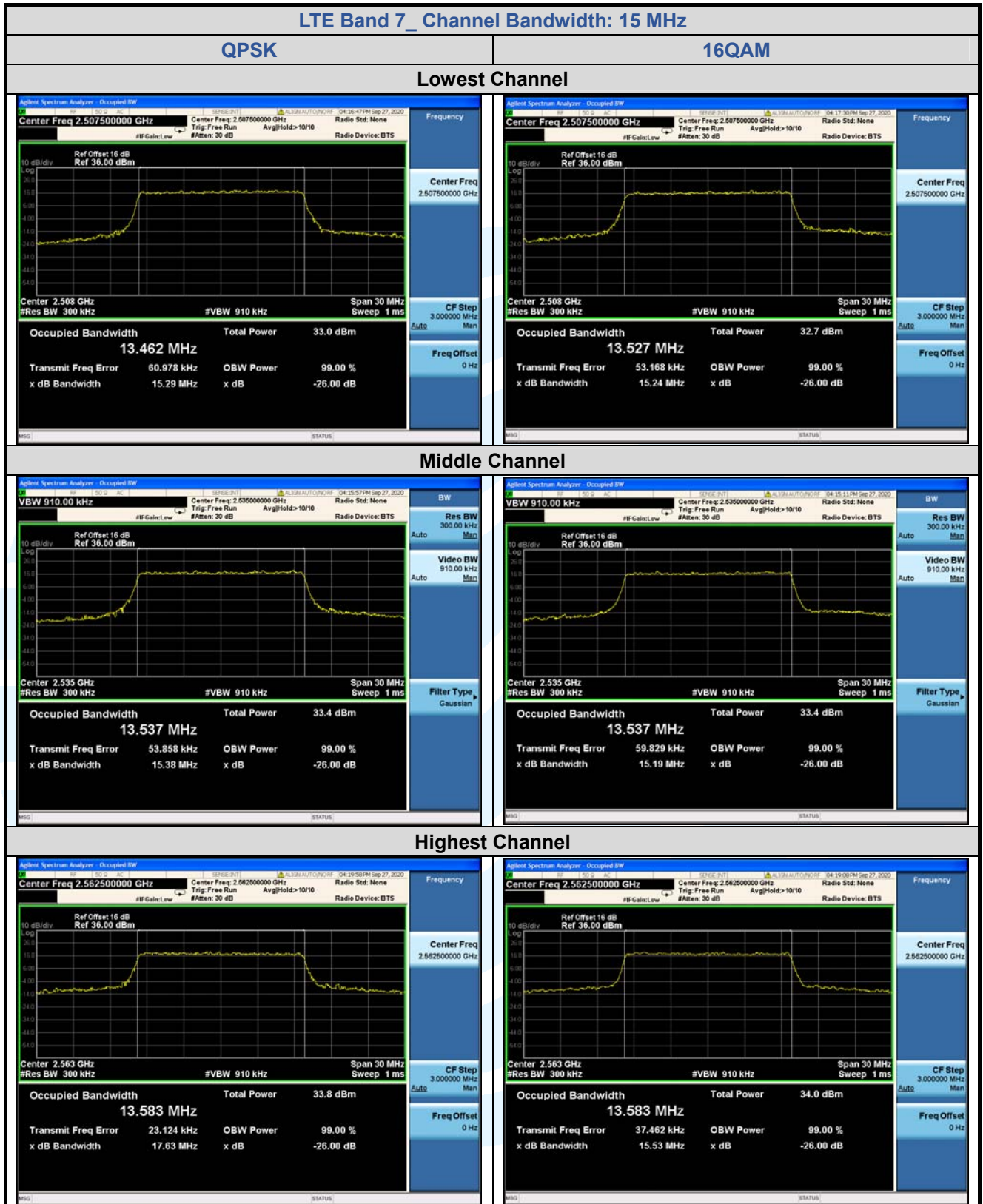
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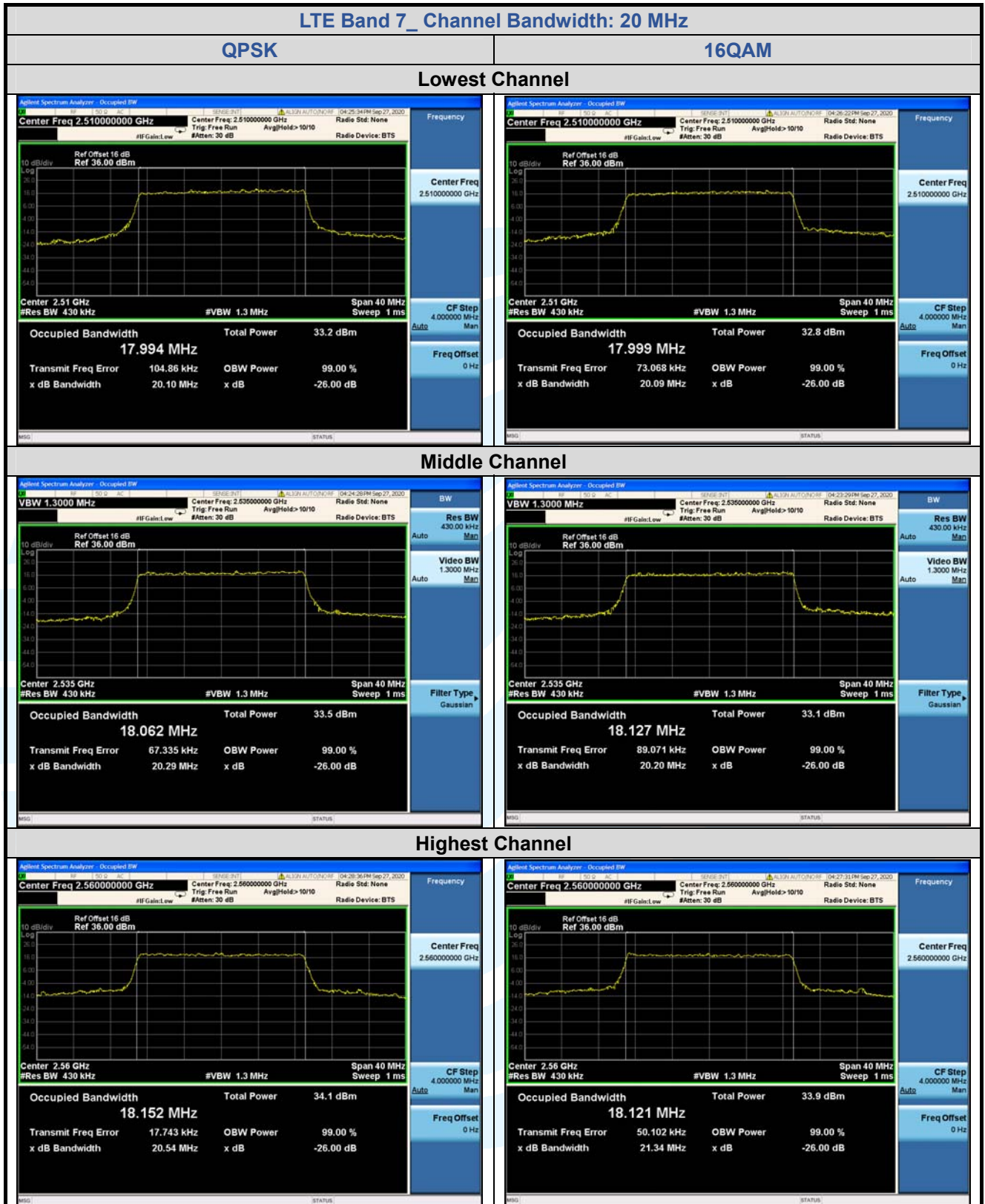
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5.6 BAND EDGE AT ANTENNA TERMINALS

Test Requirement: LTE Band 2: FCC 47 CFR Part 24.238(a)
LTE Band 4: FCC 47 CFR Part 27.53(h)(1)
LTE Band 5: FCC 47 CFR Part 22.917(a)
LTE Band 7: FCC 47 CFR Part 27.53(m)(4)
Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a) :

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(m)(4):

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

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.

For each band edge measurement:

- 1) Set the spectrum analyzer span to include the block edge frequency.
- 2) Set a marker to point the corresponding band edge frequency in each test case.
- 3) Set display line at -13 dBm
- 4) Set resolution bandwidth to at least 1% of emission bandwidth.
- 5) Set spectrum analyzer with RMS detector.
- 6) Record the max trace plot into the test report

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

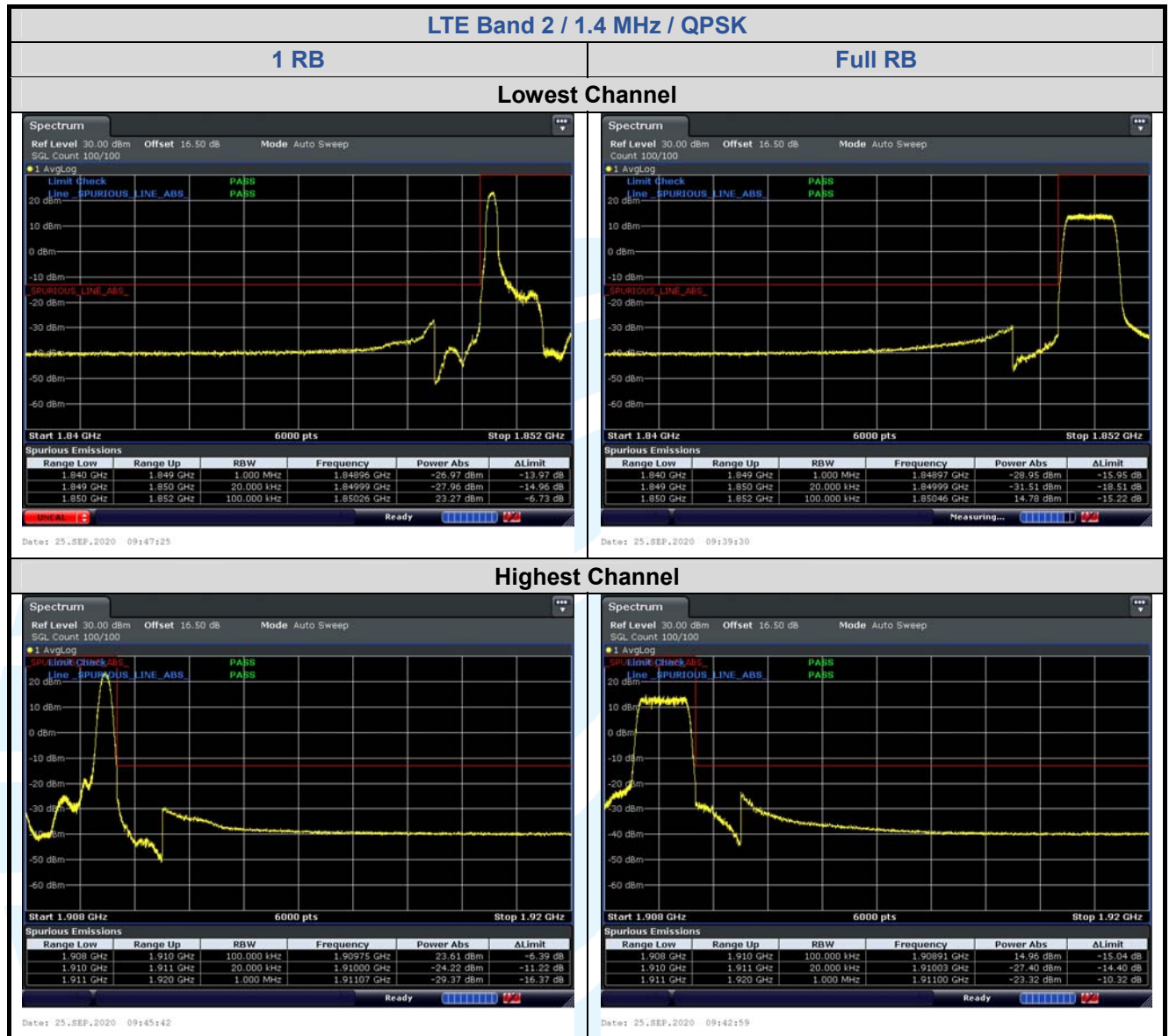
Test Setup: Refer to section 4.2.2 for details.

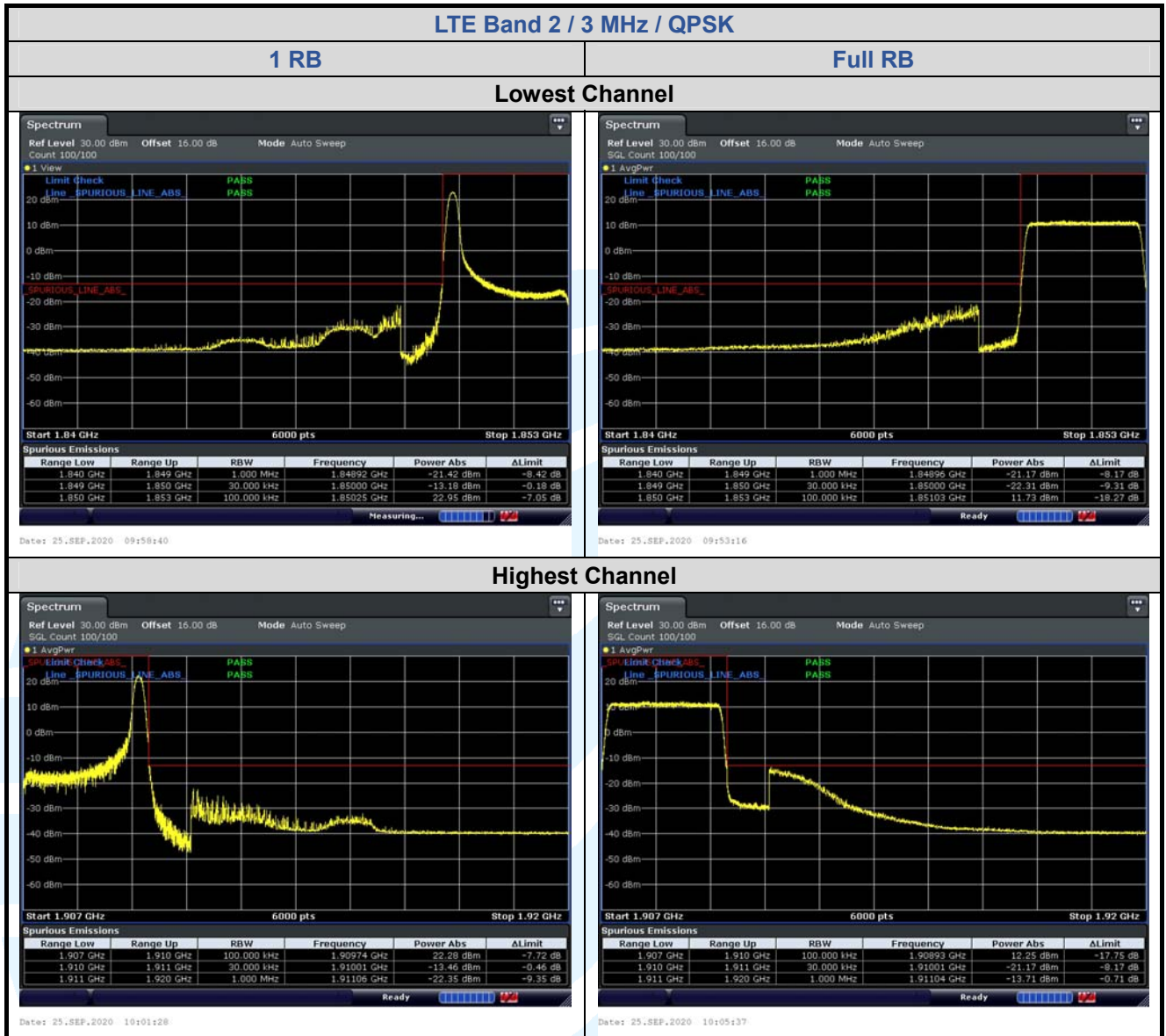
Instruments Used: Refer to section 3 for details

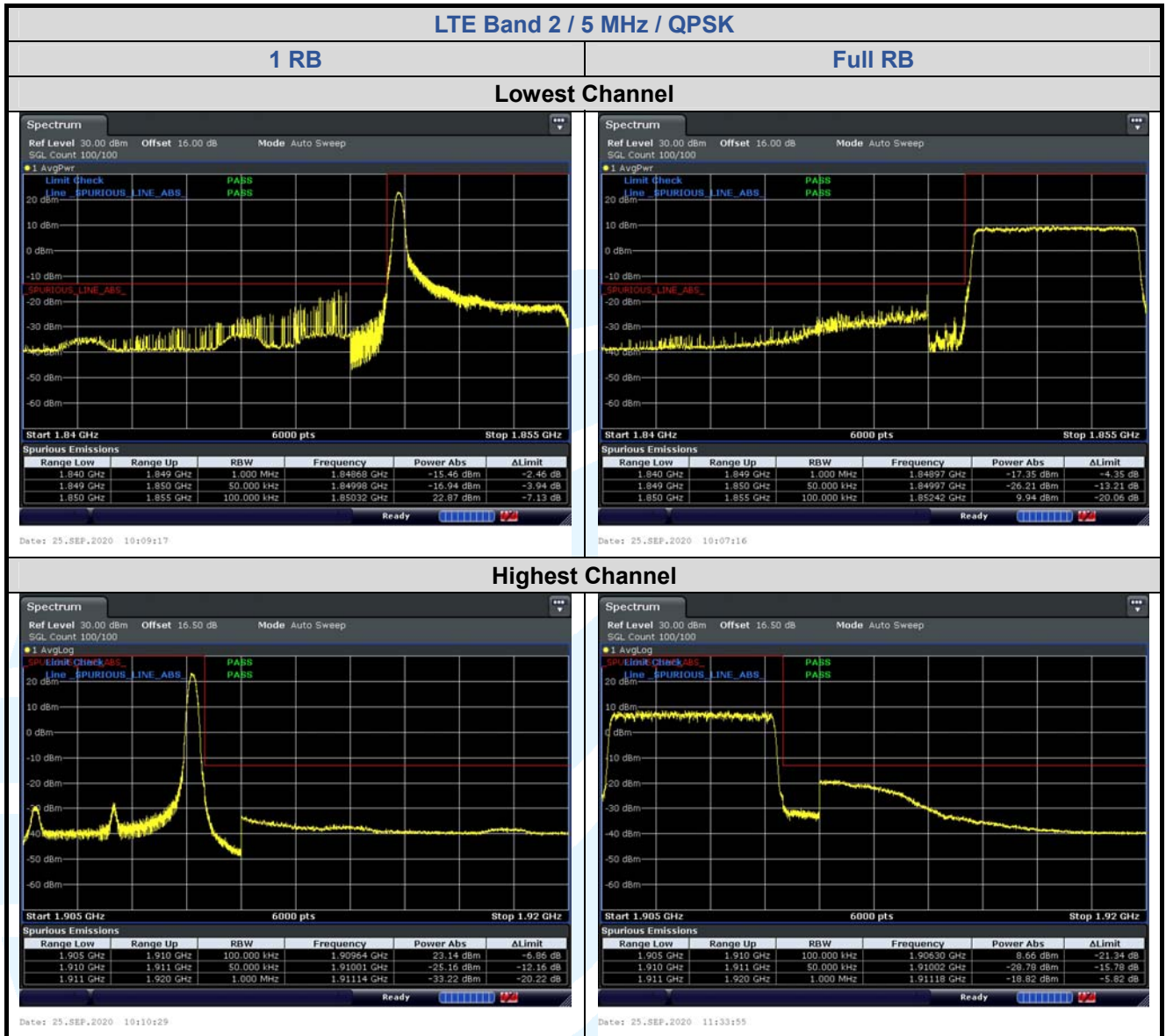
Test Mode: Link mode

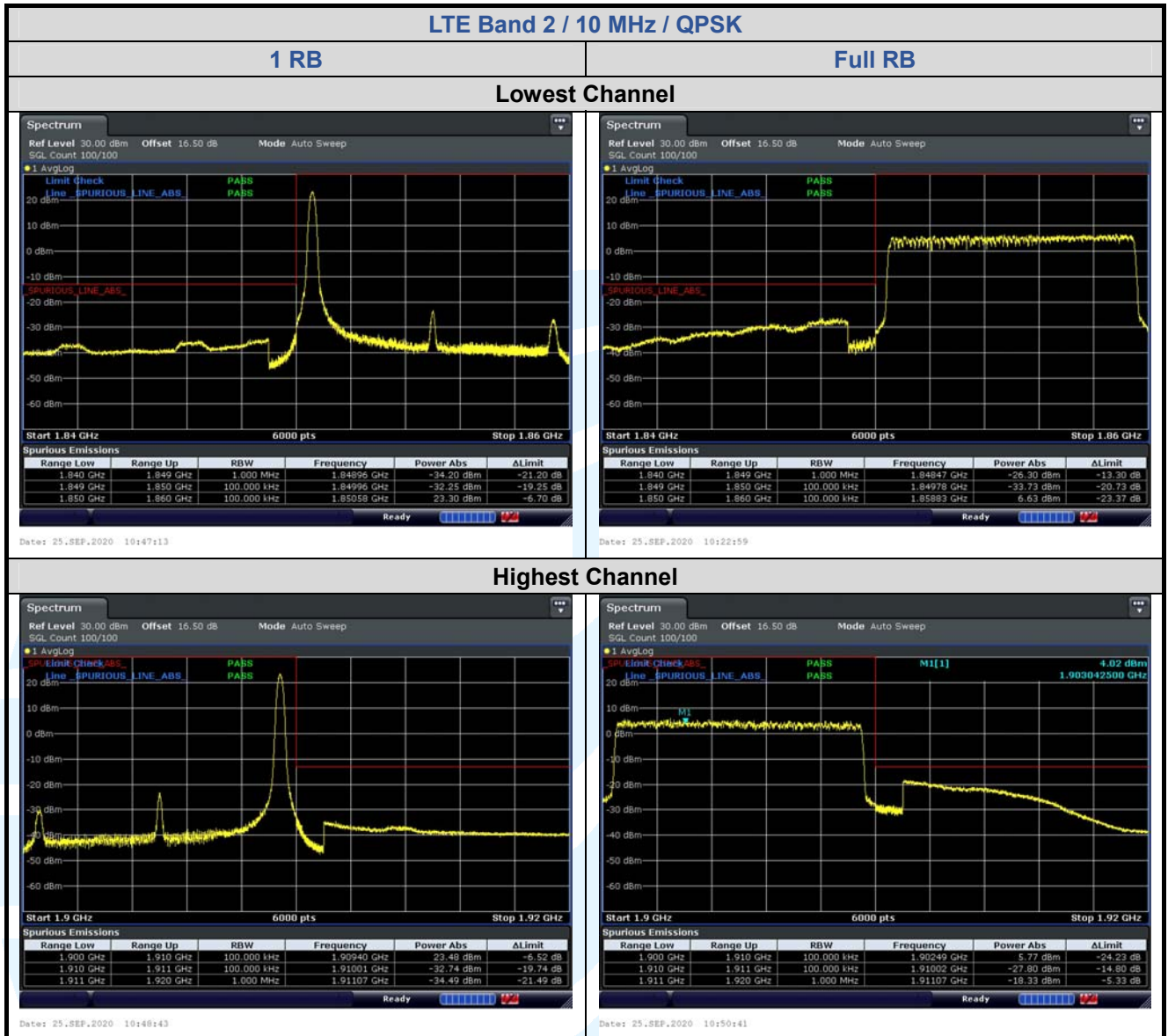
Test Results: Pass

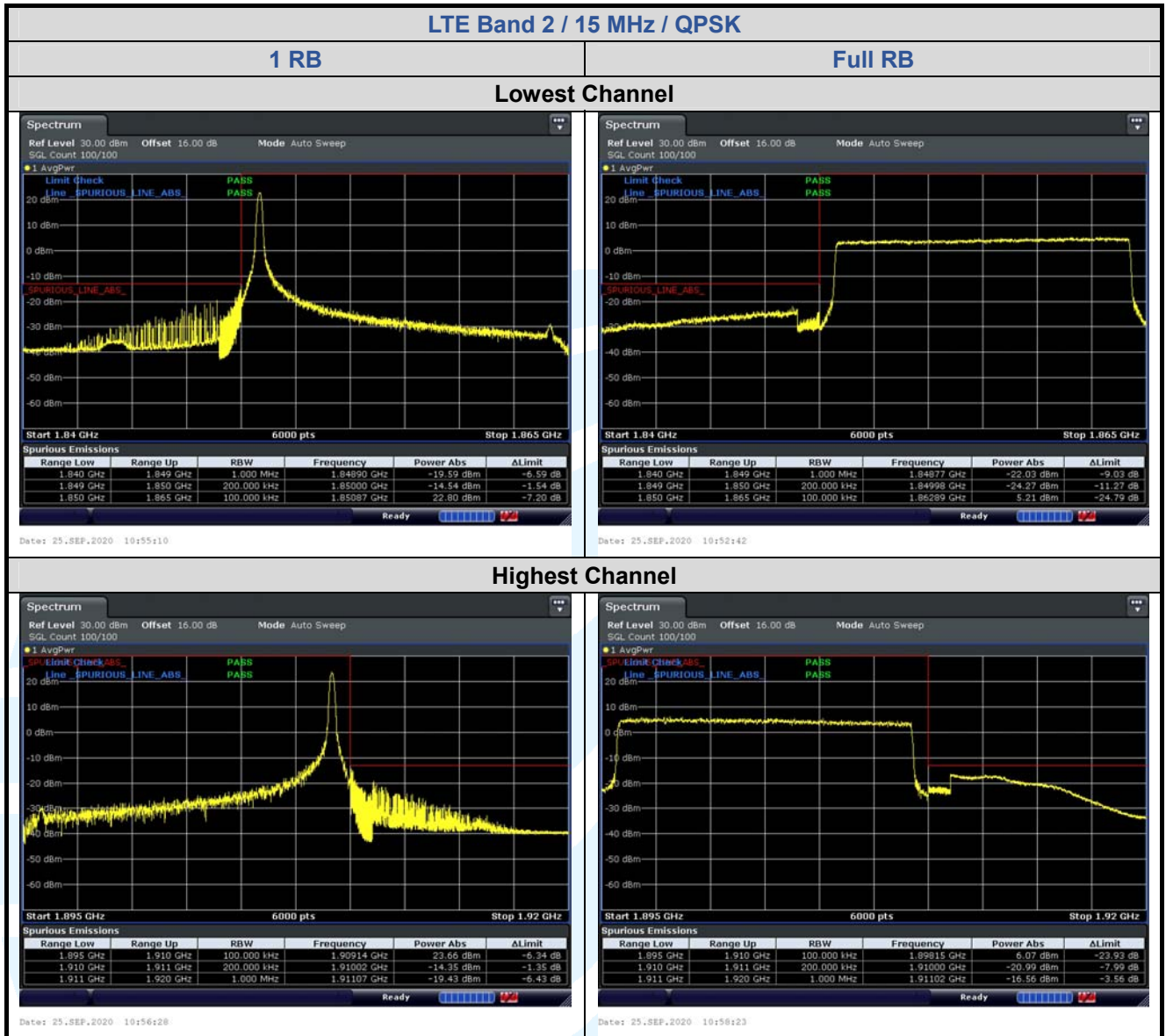
5.6.1 LTE Band 2

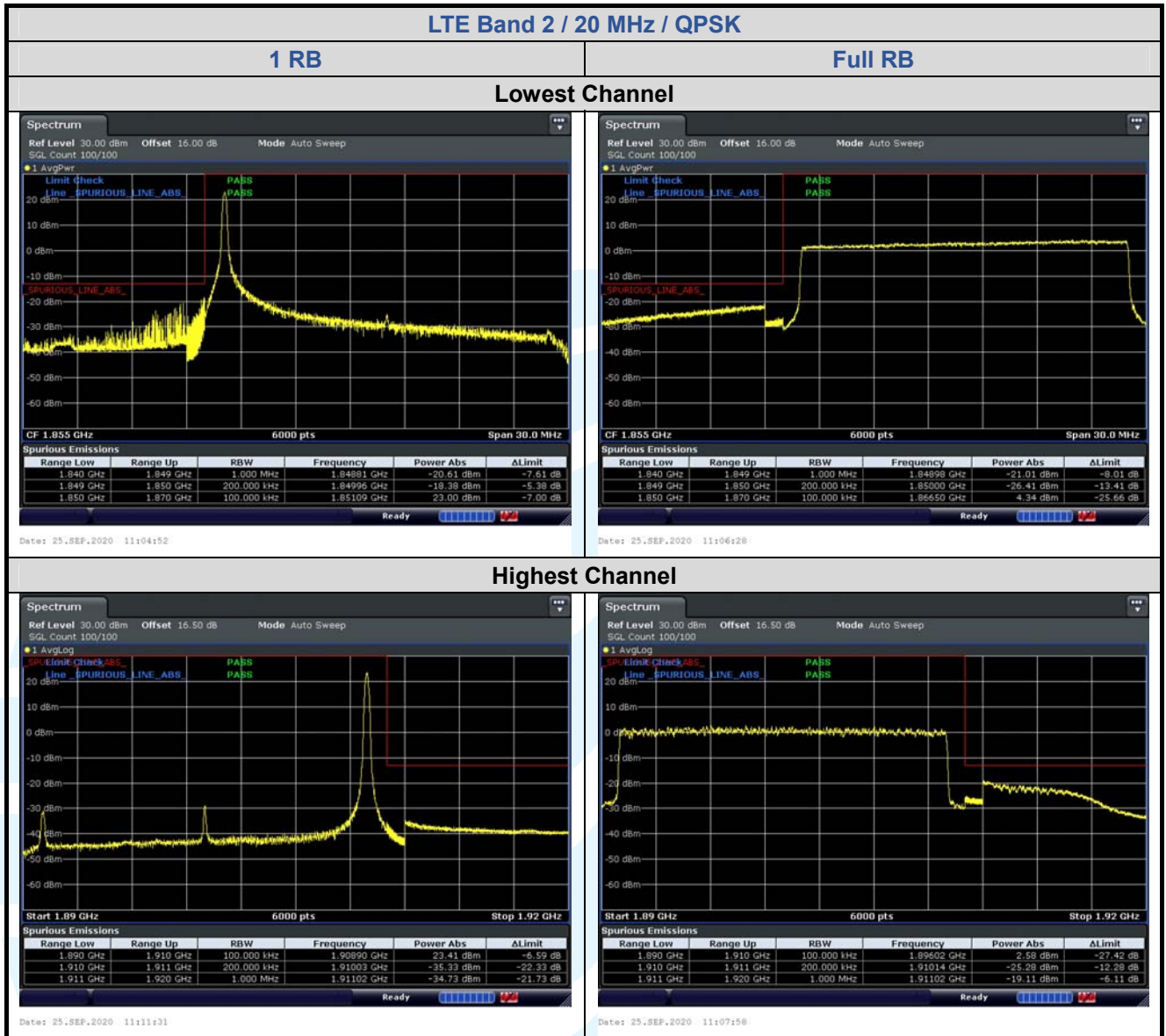


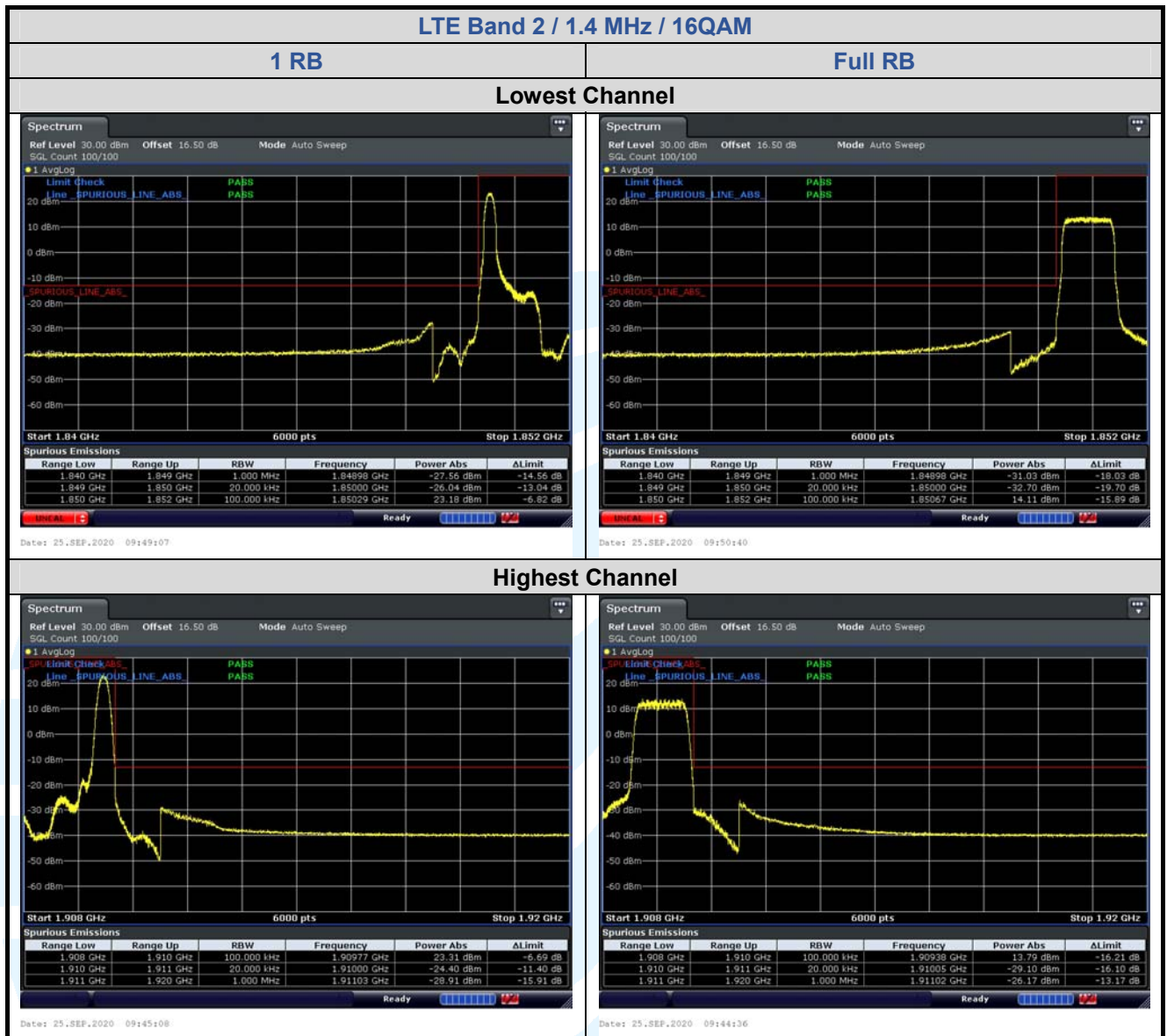


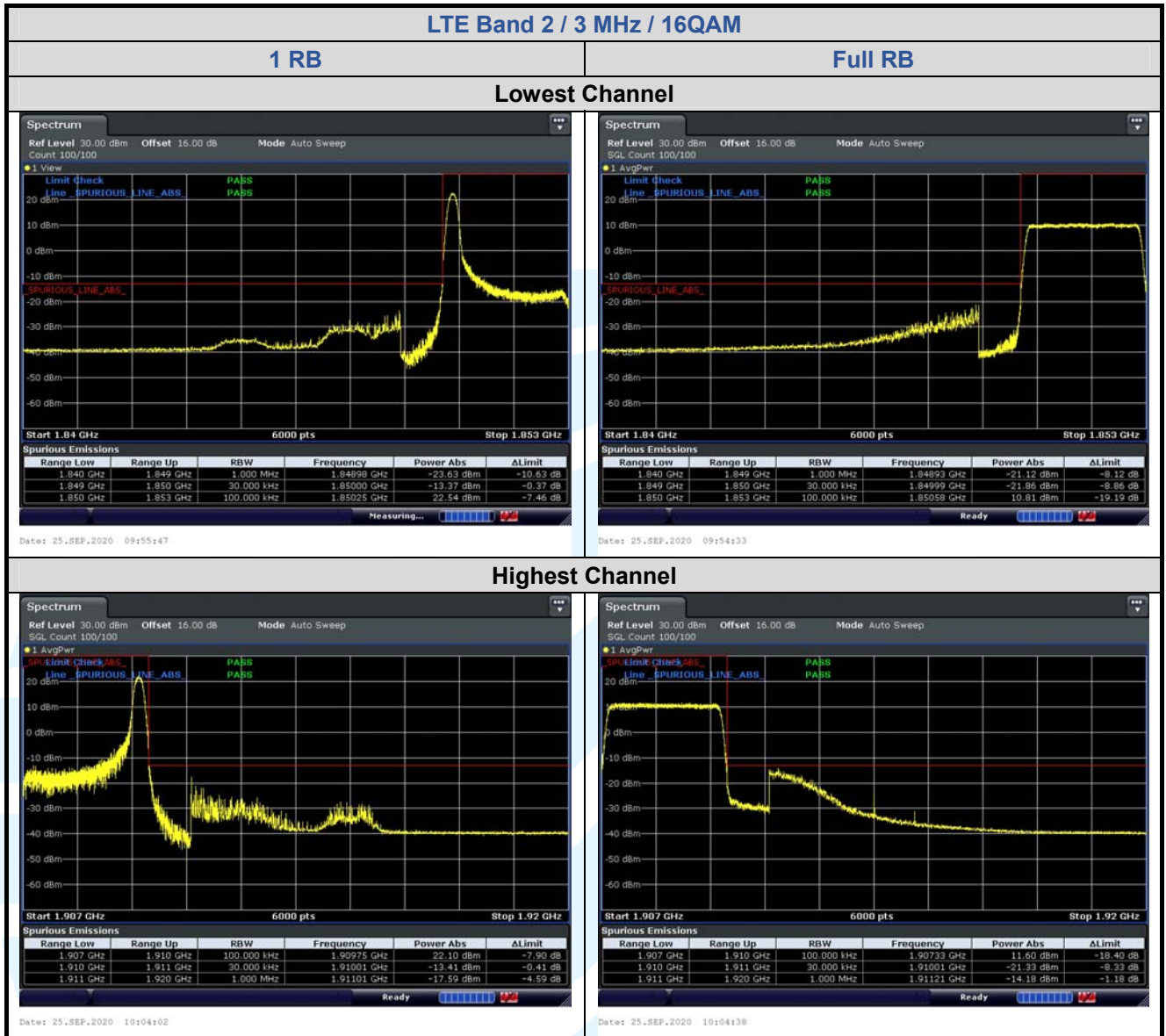


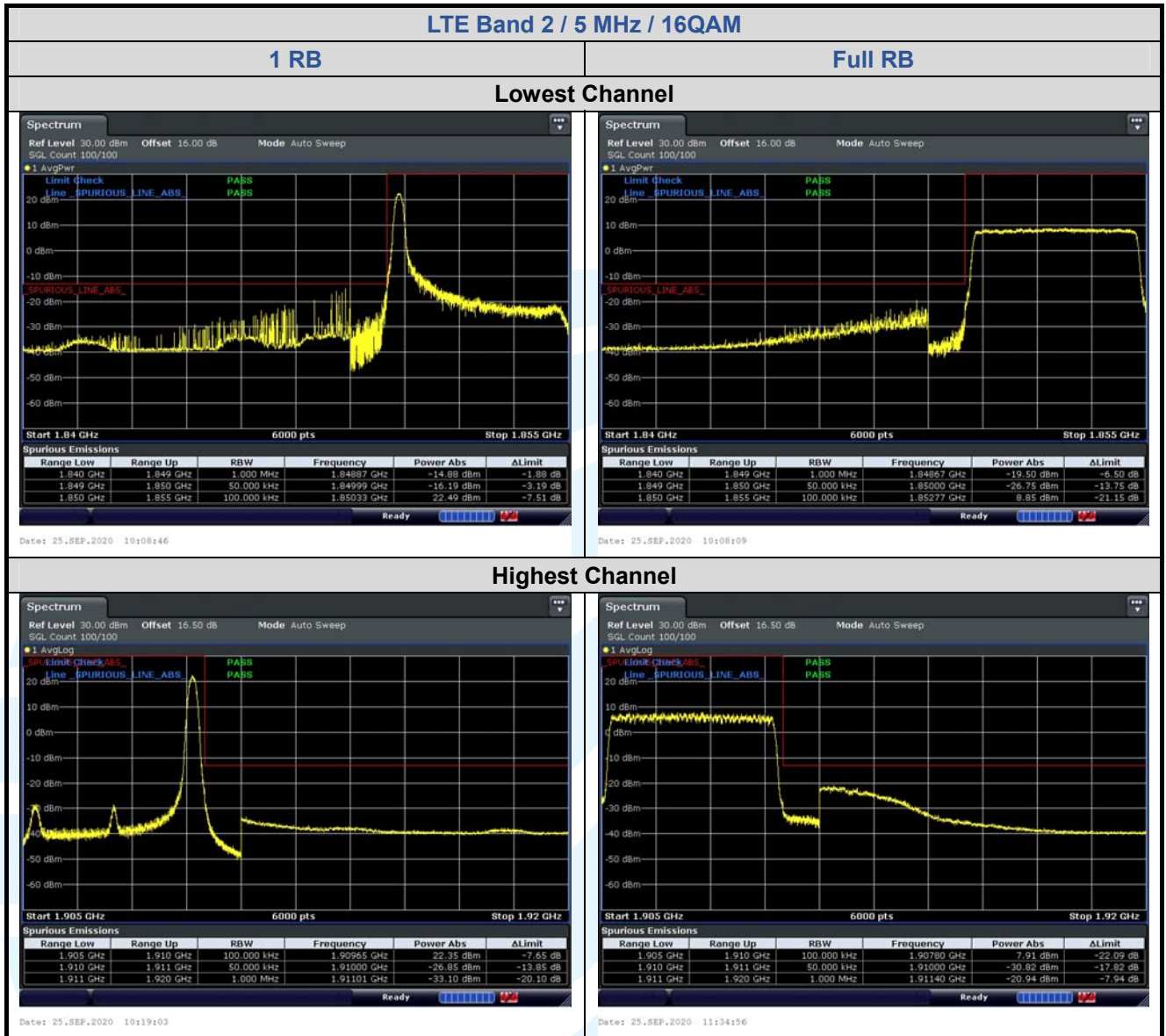


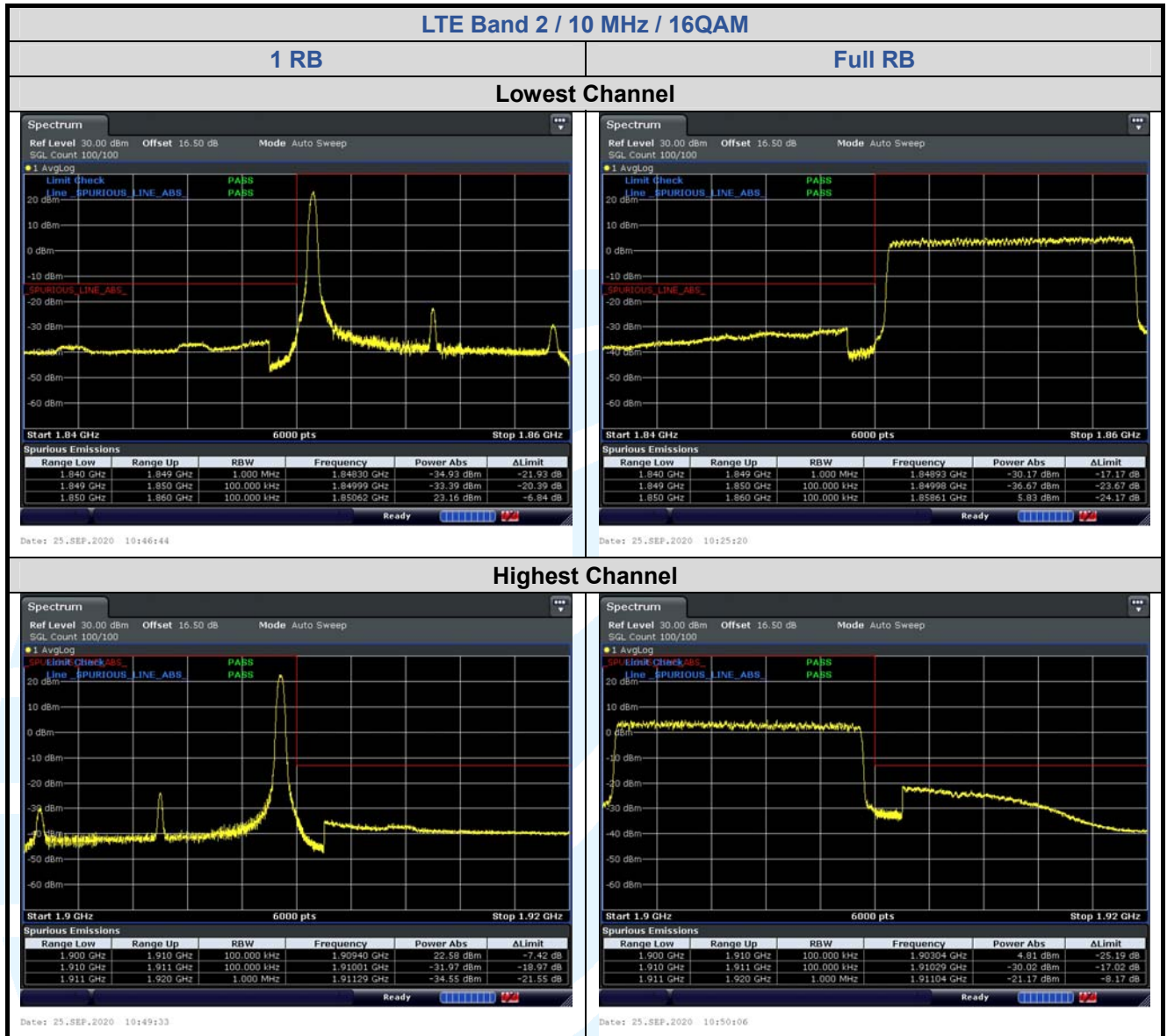


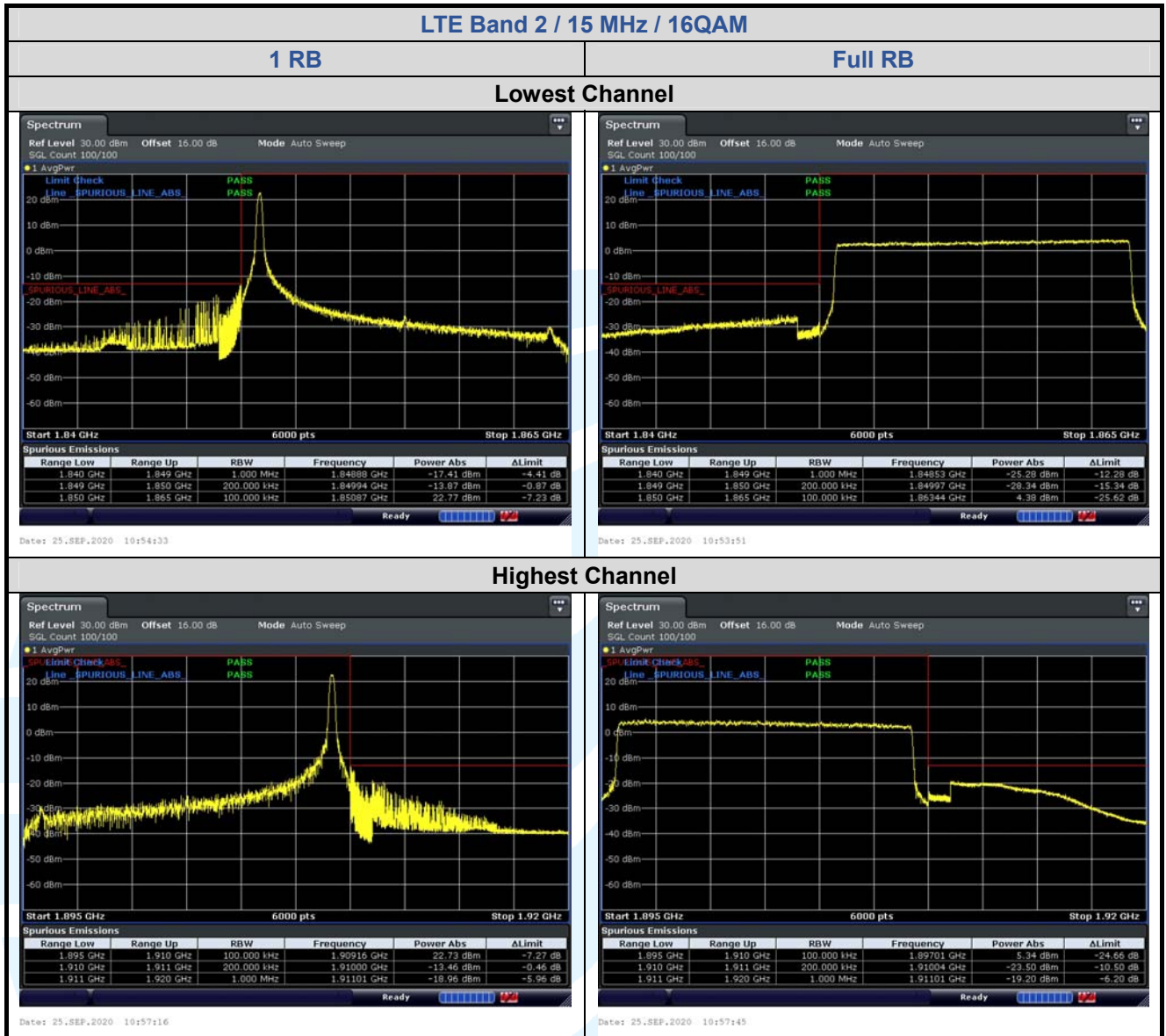


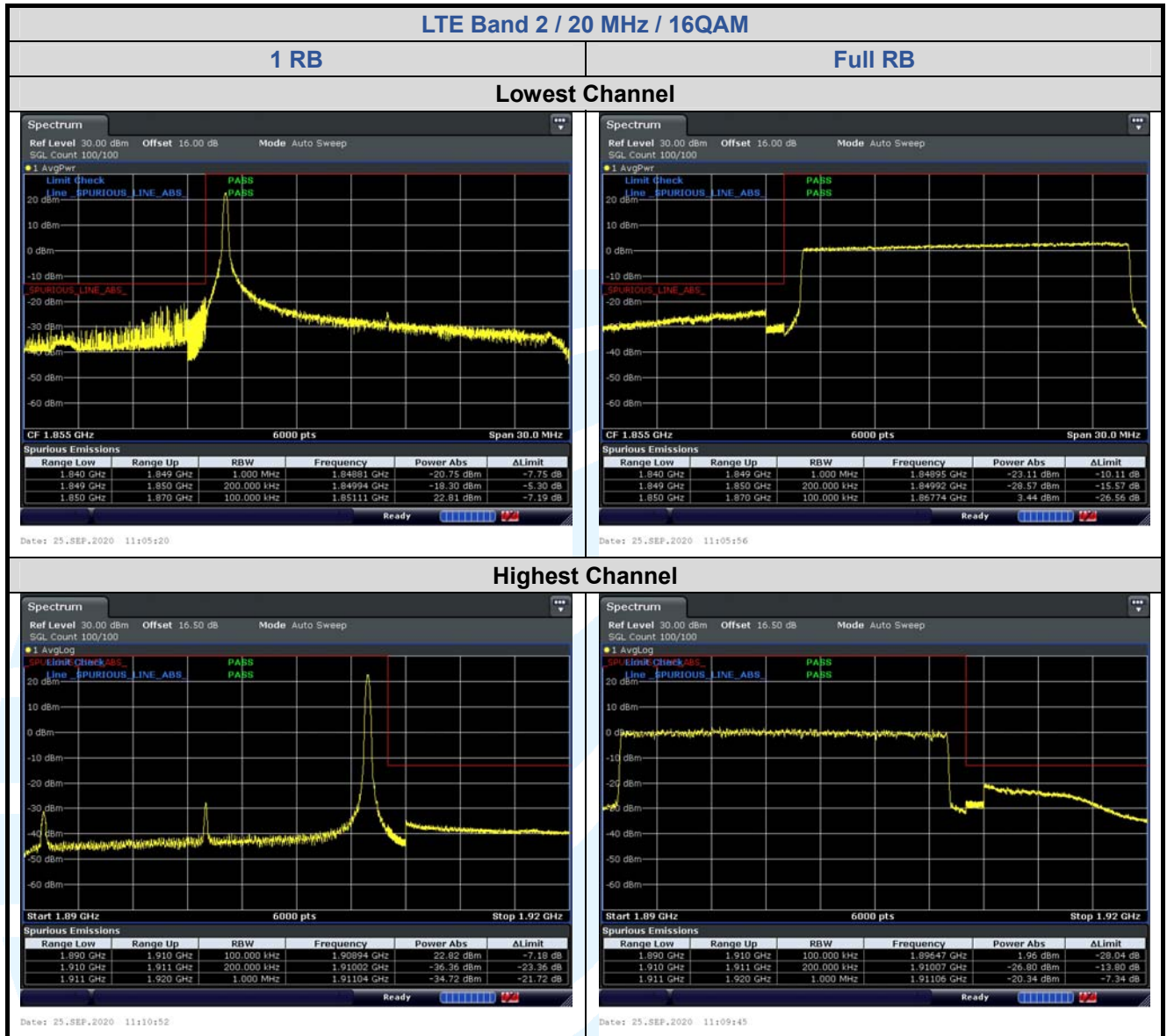












5.6.2 LTE Band 4

