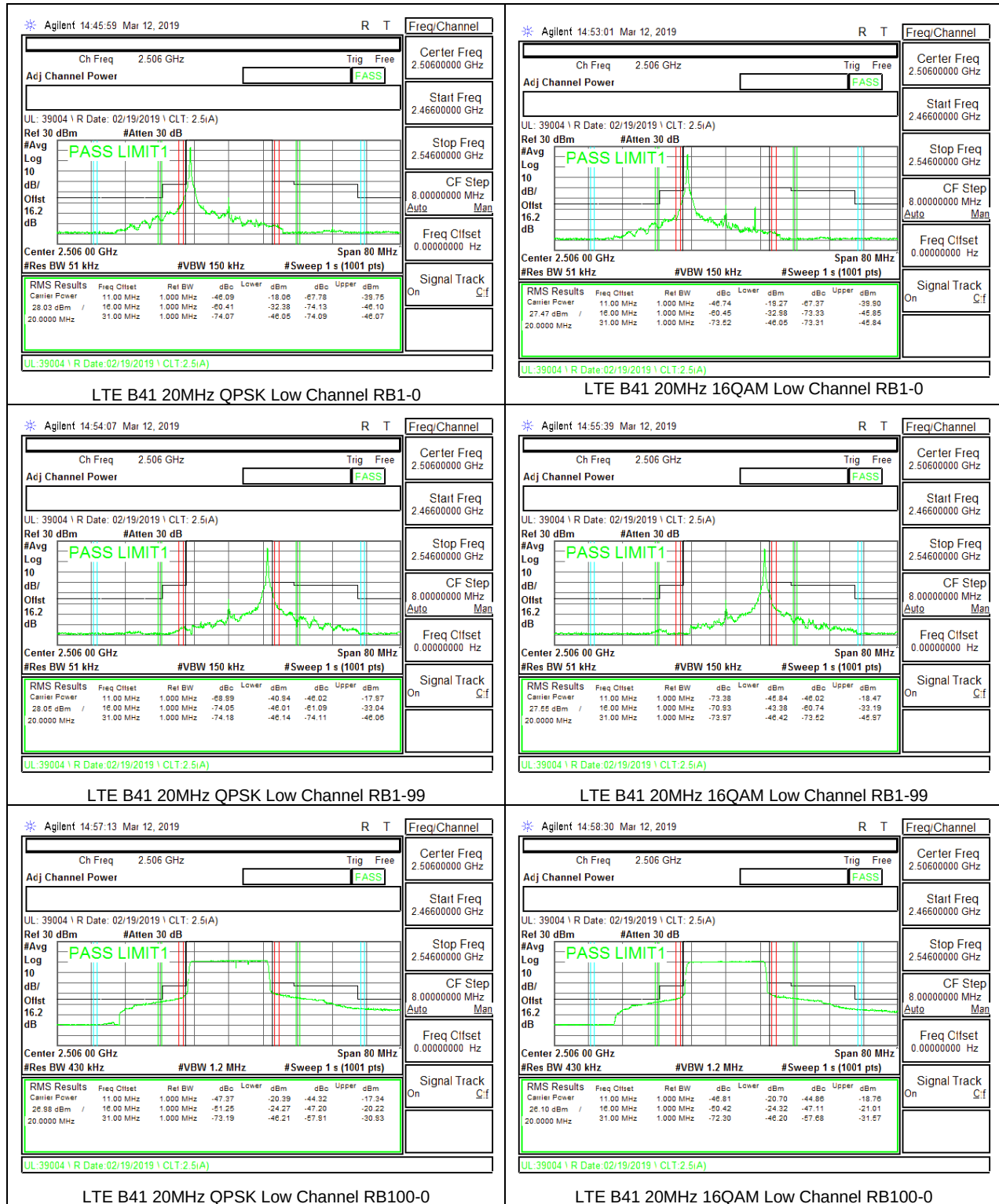
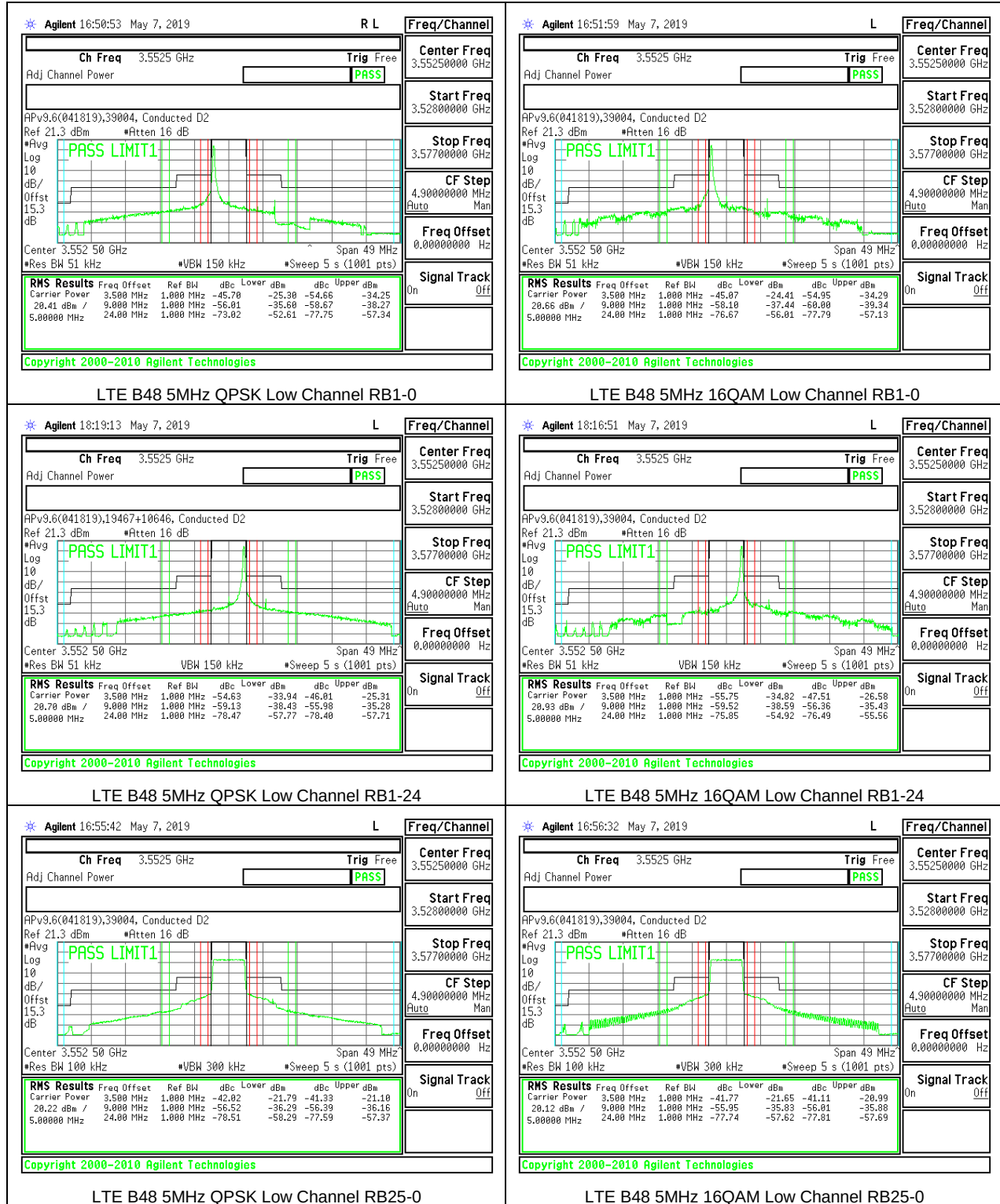


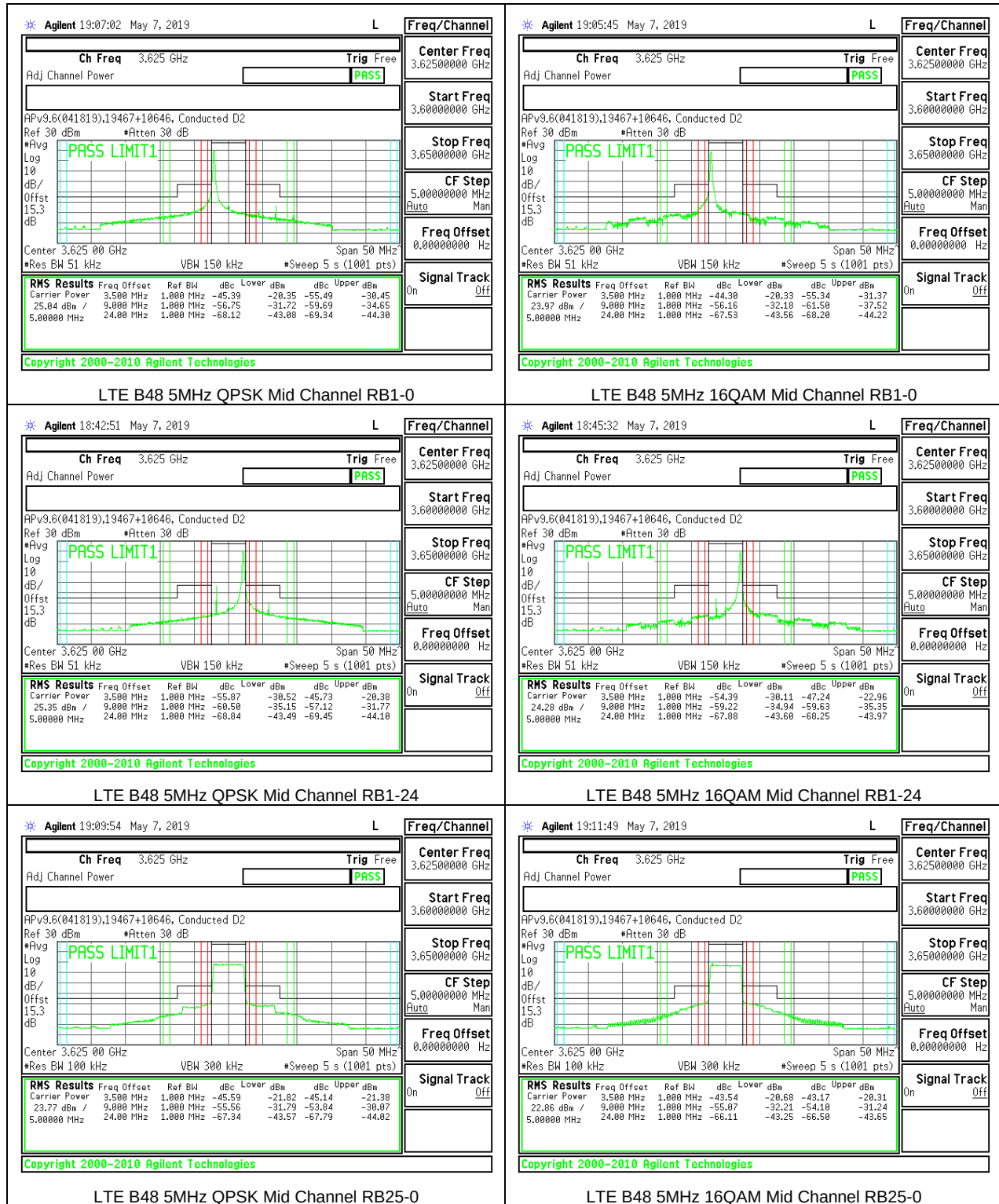


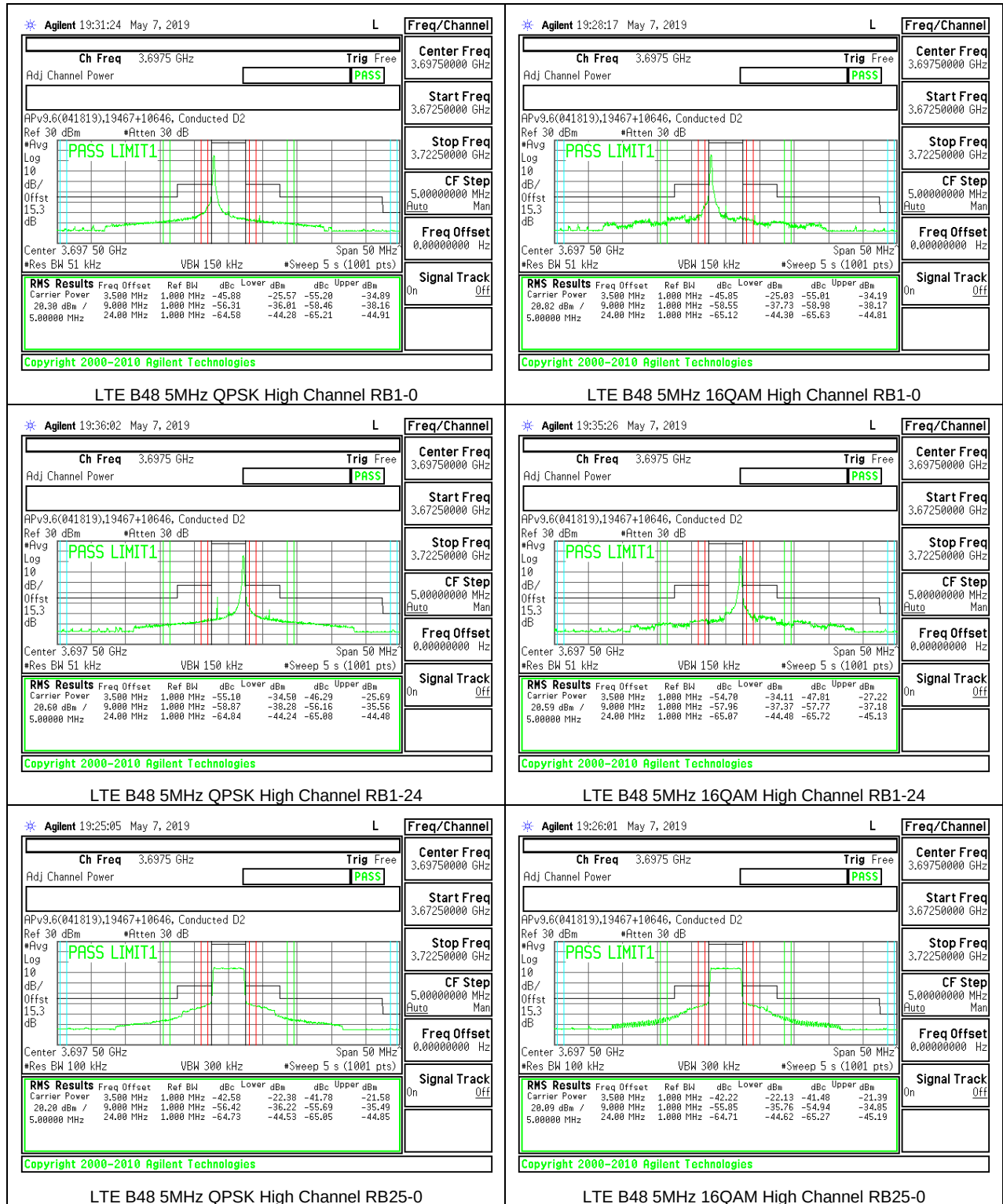


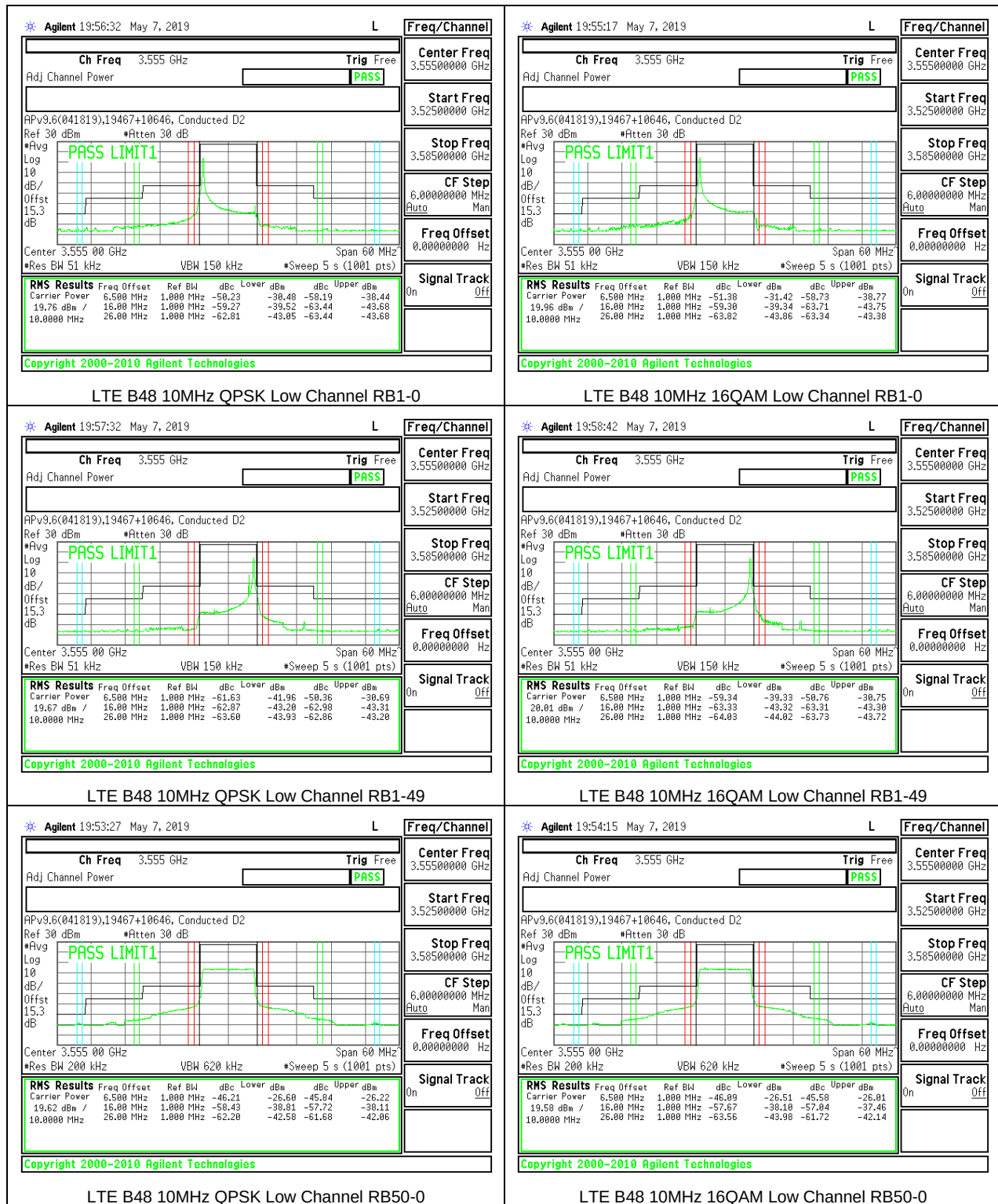


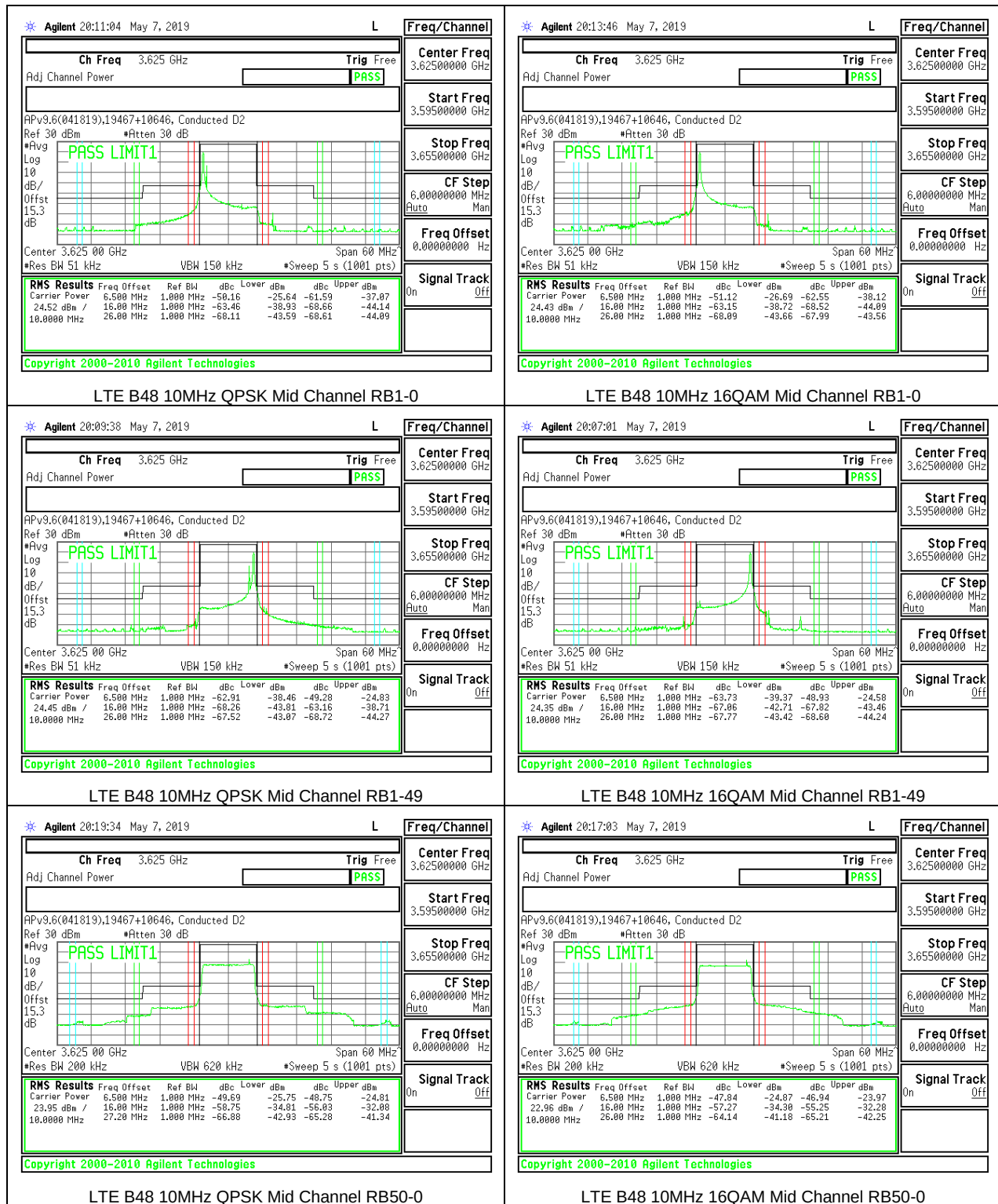
8.2.12. LTE BAND 48 ADJACENT CHANNEL POWER

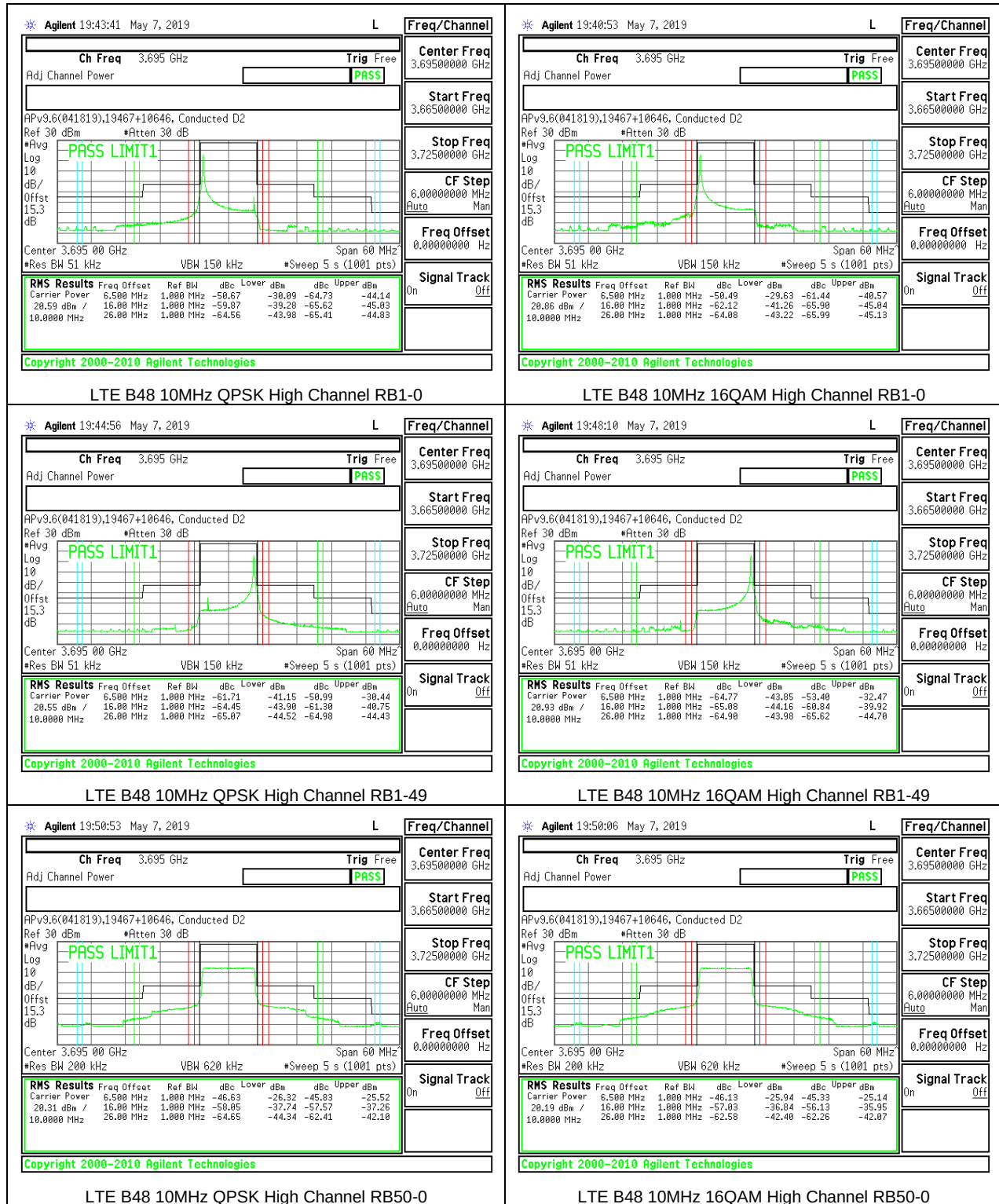


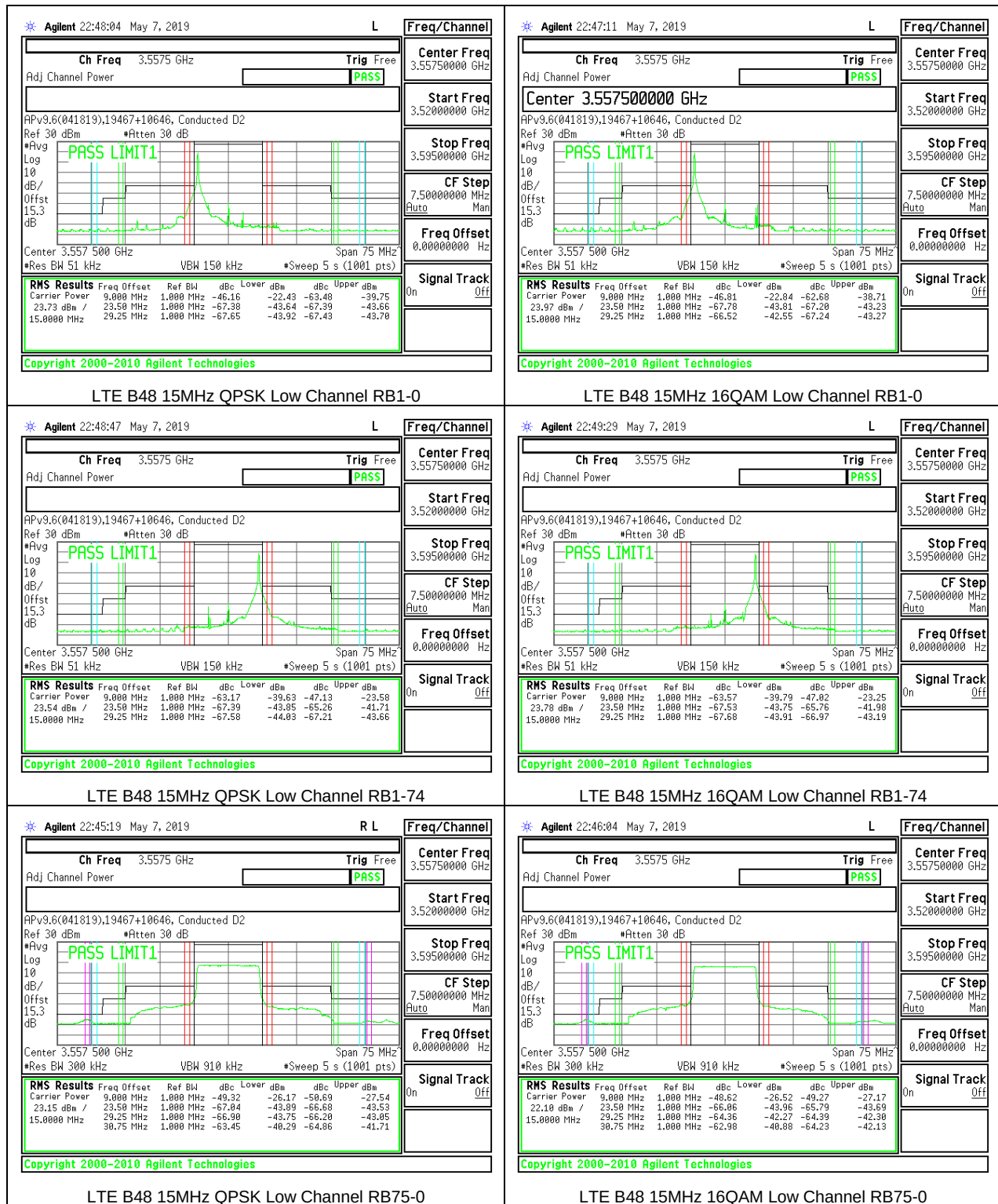


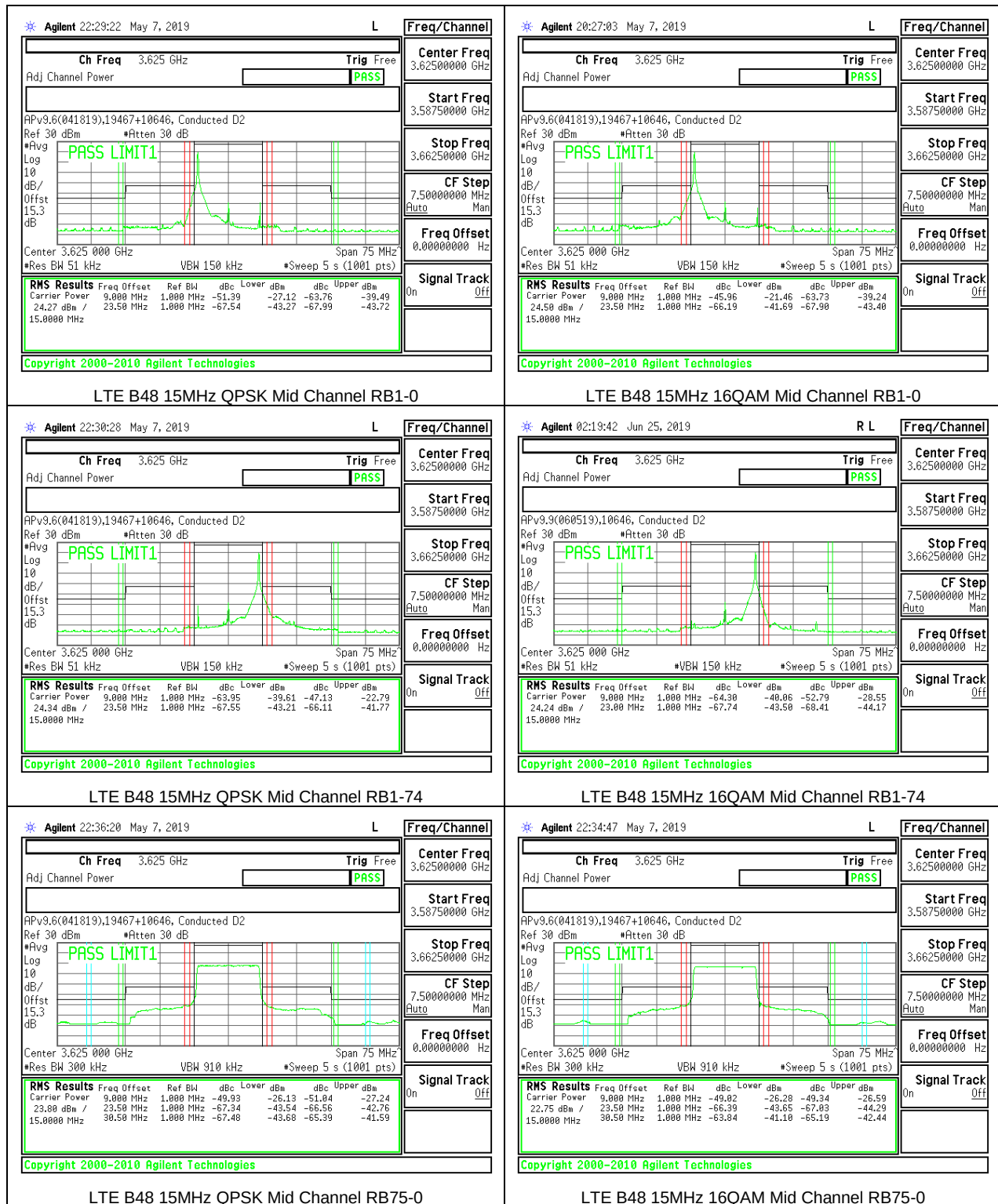




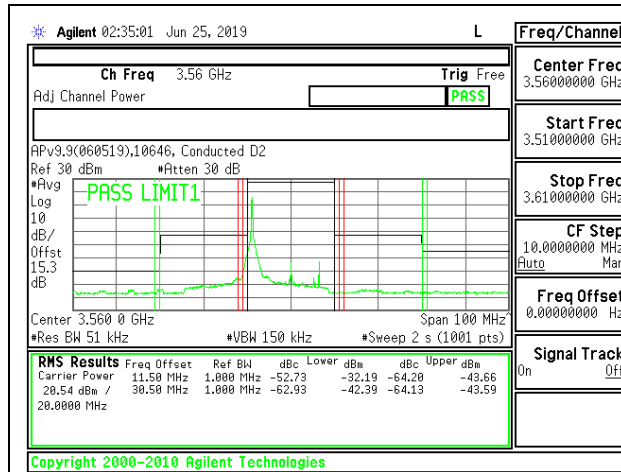




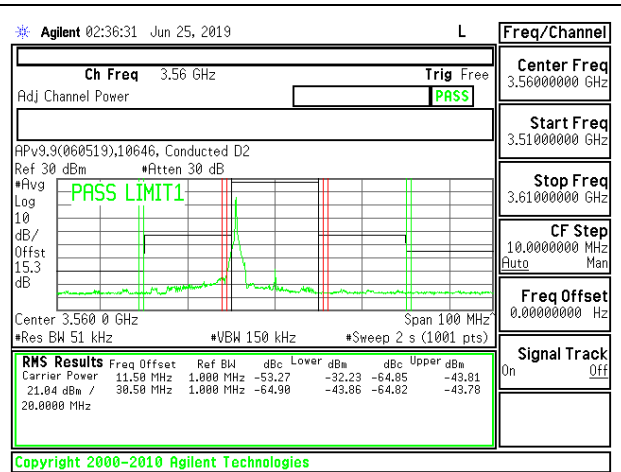




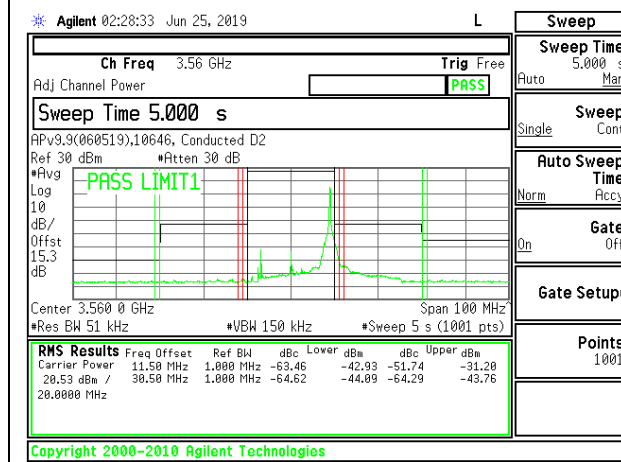




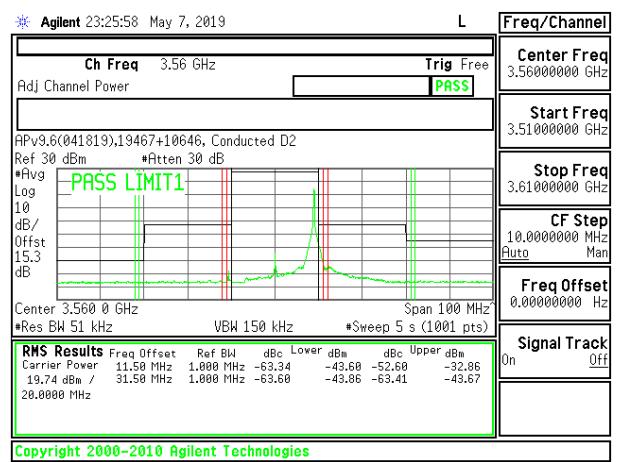
LTE B48 20MHz QPSK Low Channel RB1-0



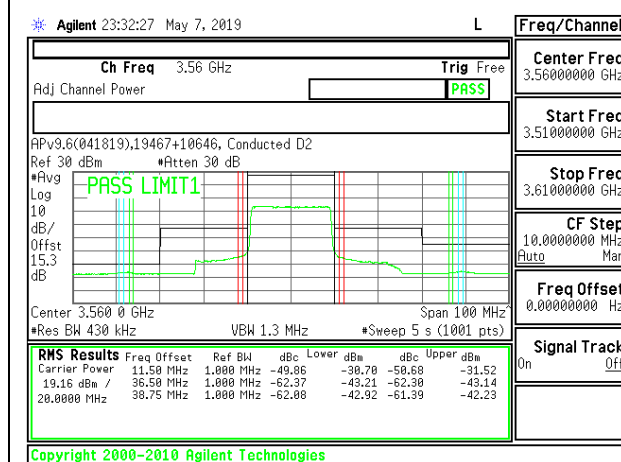
LTE B48 20MHz 16QAM Low Channel RB1-0



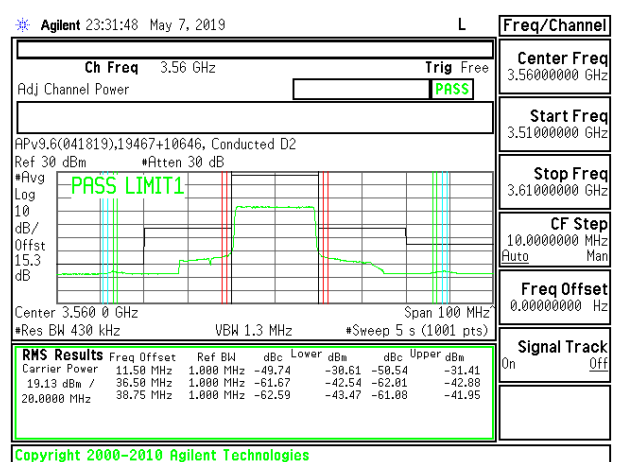
LTE B48 20MHz QPSK Low Channel RB1-99



LTE B48 20MHz 16QAM Low Channel RB1-99

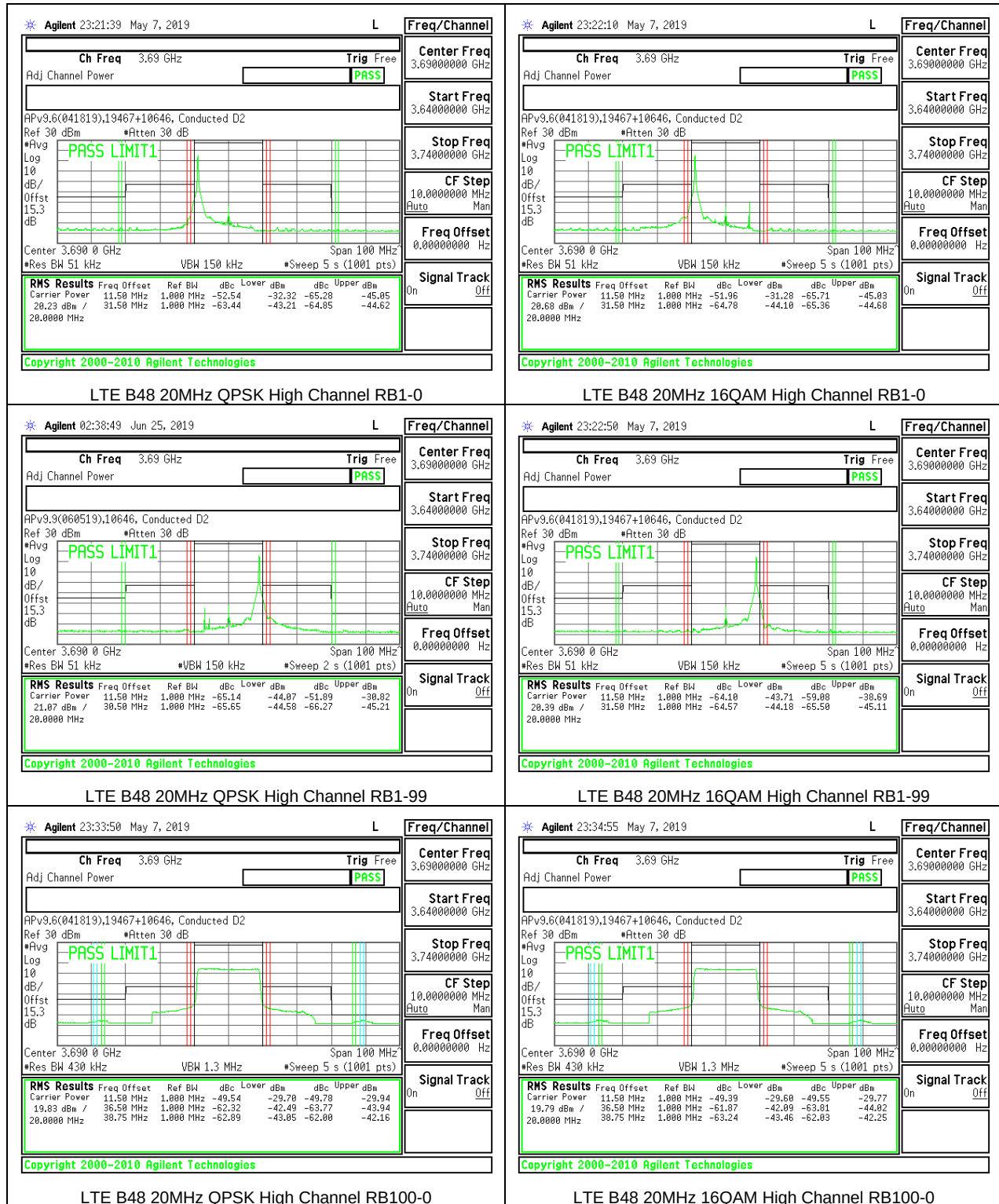


LTE B48 20MHz QPSK Low Channel RB100-0



LTE B48 20MHz 16QAM Low Channel RB100-0

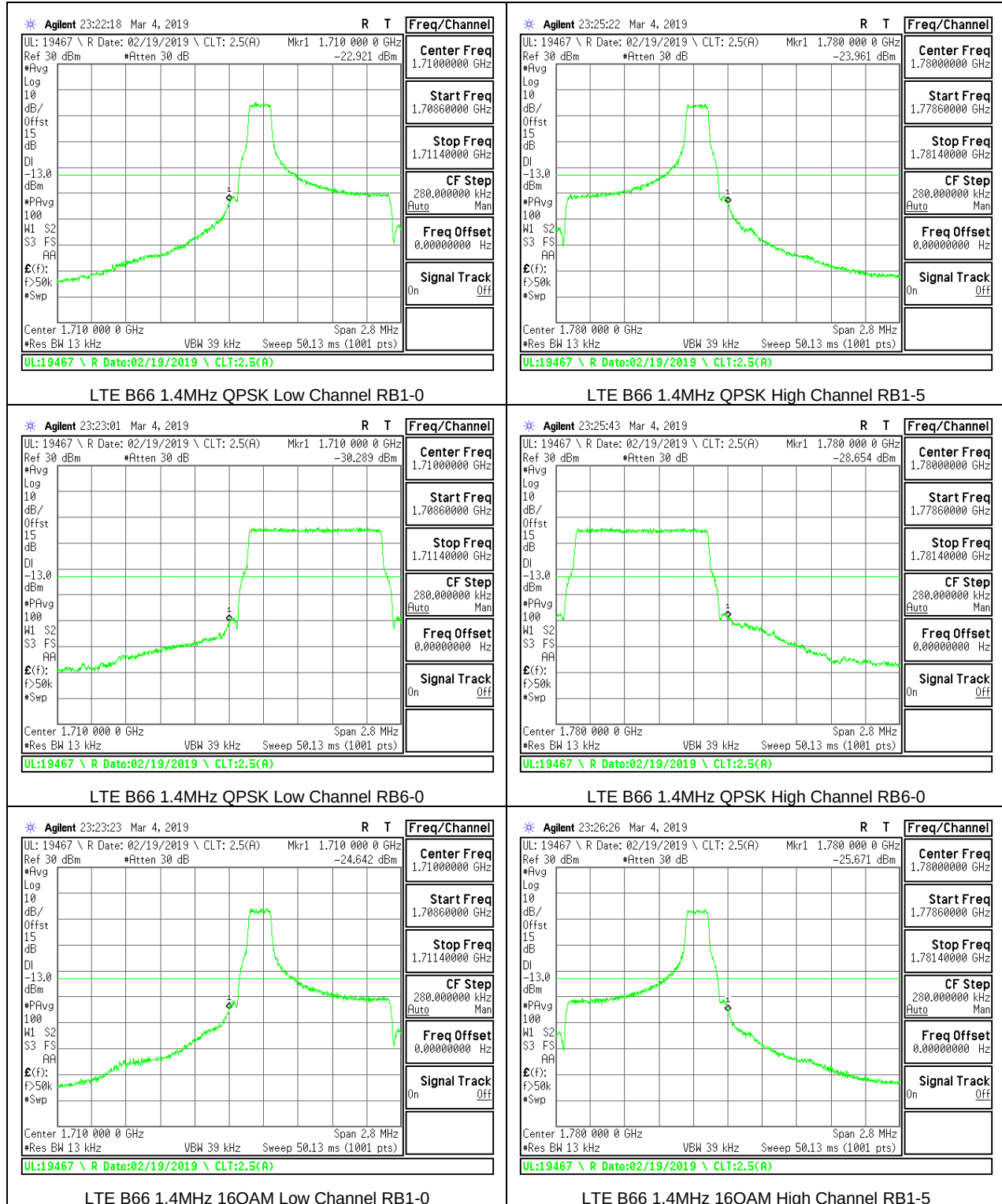


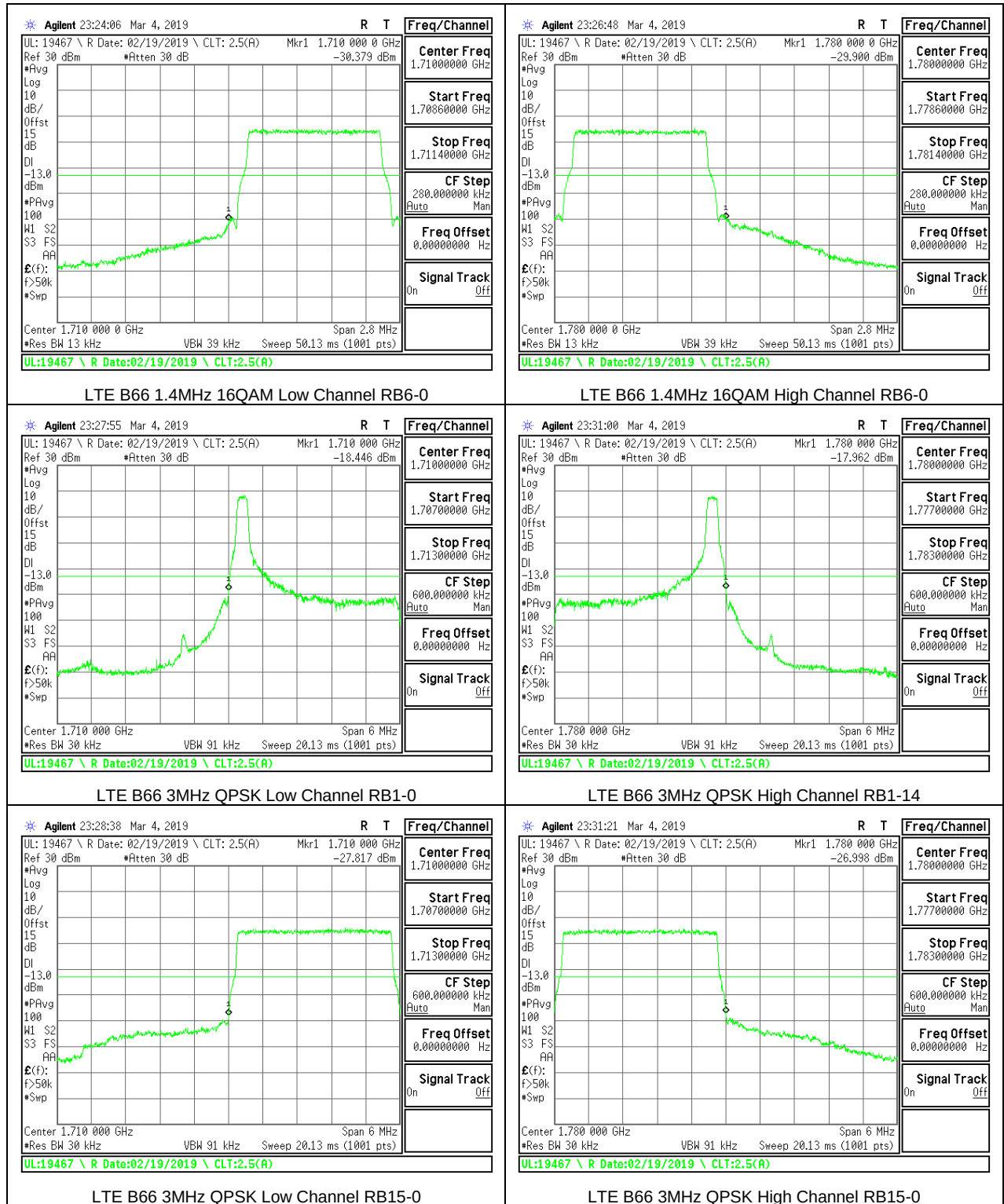


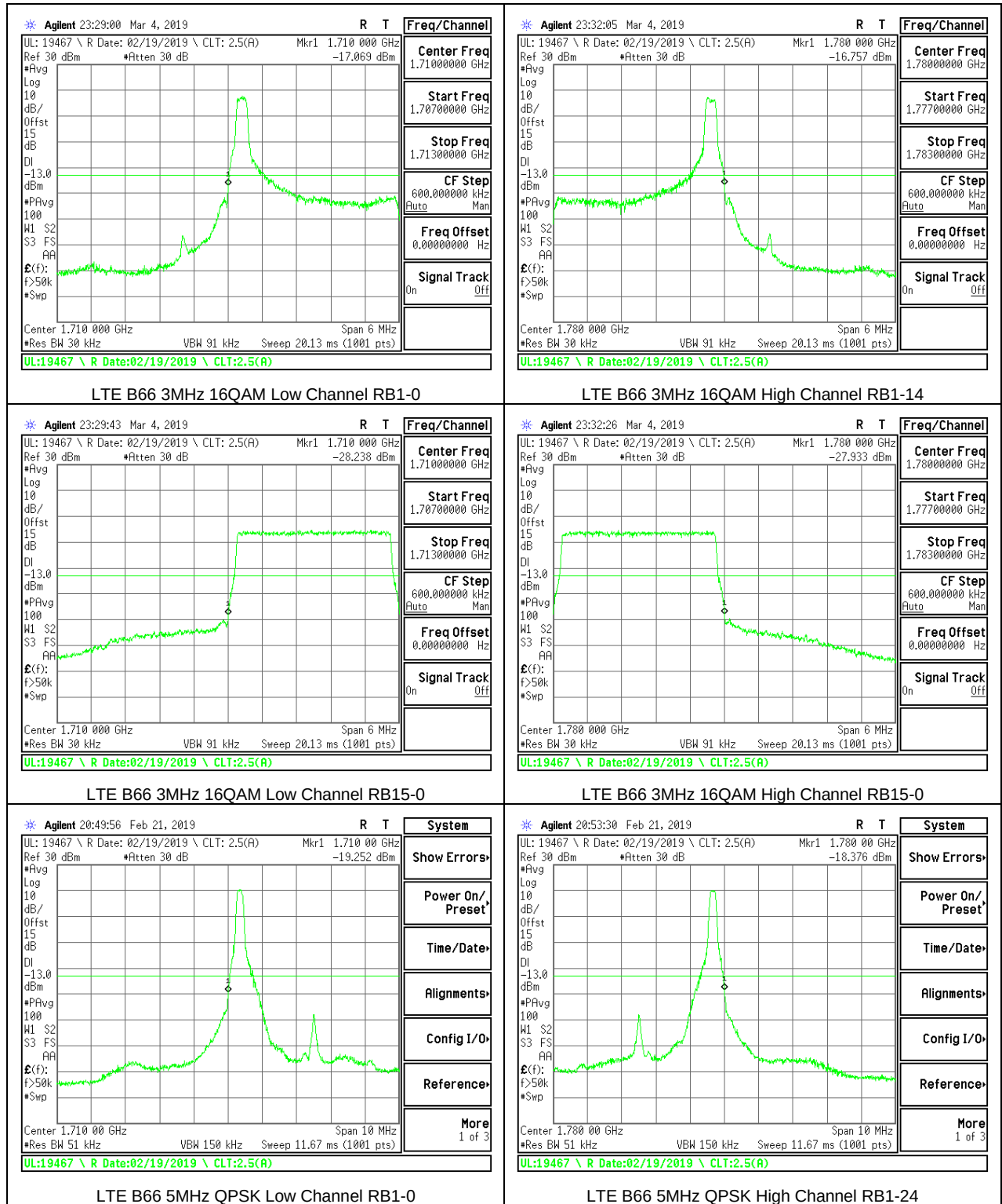
Worst Case ACLR

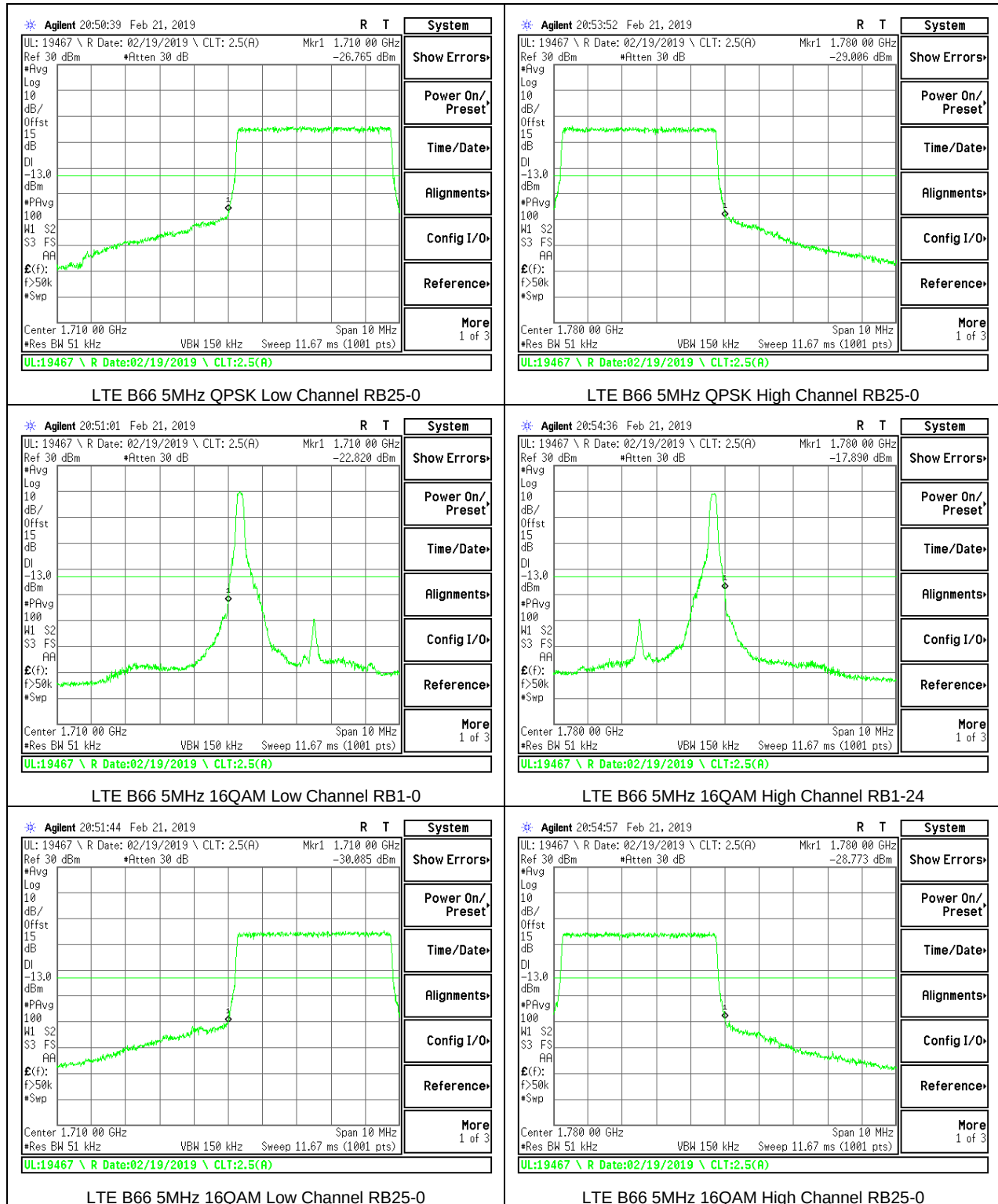
Bandwidth (MHz)	Channel	Modulation	RB	ACLR
5	Low	16QAM	25-0	-31.11
10	High	16QAM	50-0	-35.33
15	Middle	16QAM	1-0	-32.95
20	Middle	16QAM	100-0	-35.53

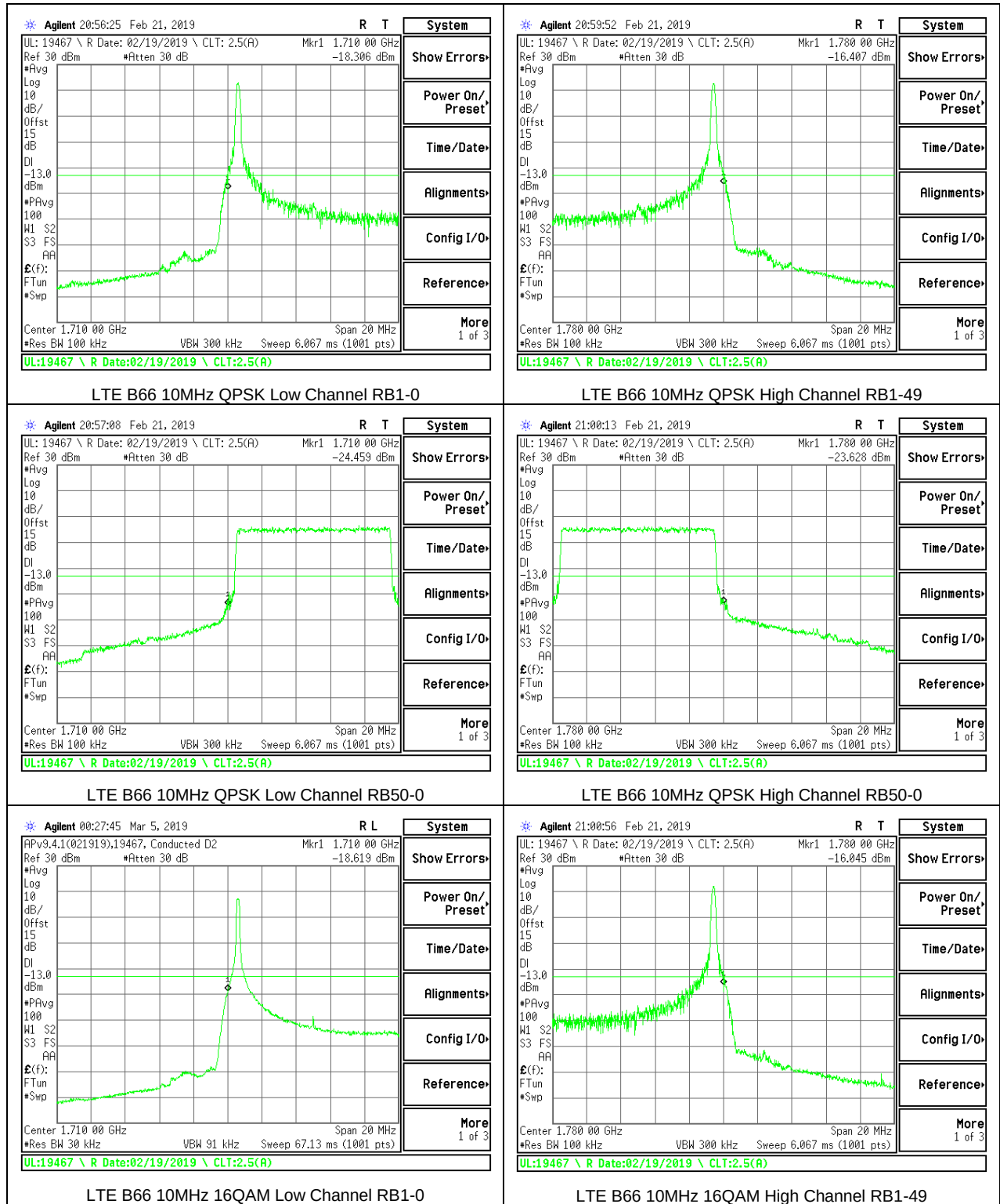
8.2.13. LTE BAND 66 BANDEDGE

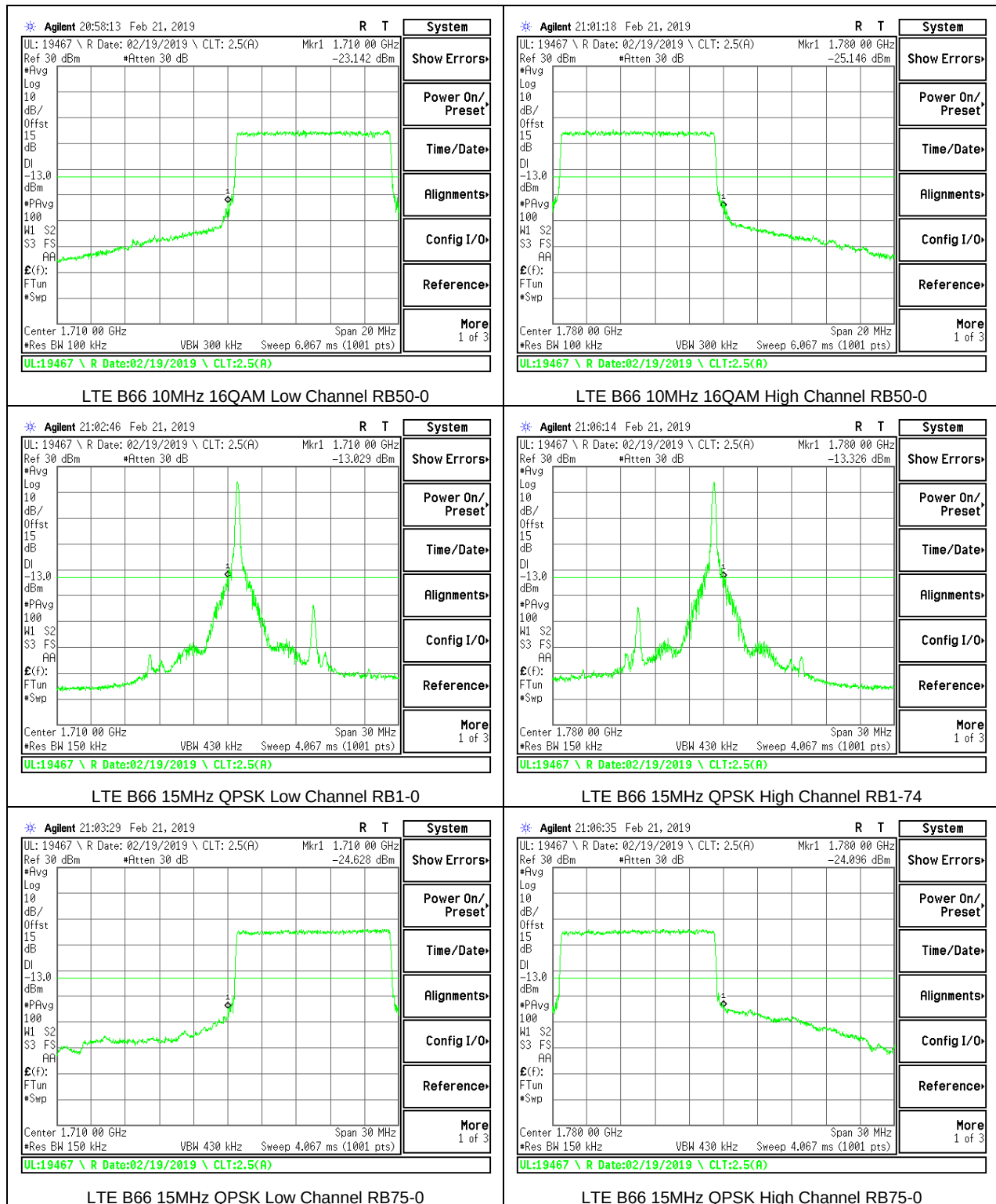


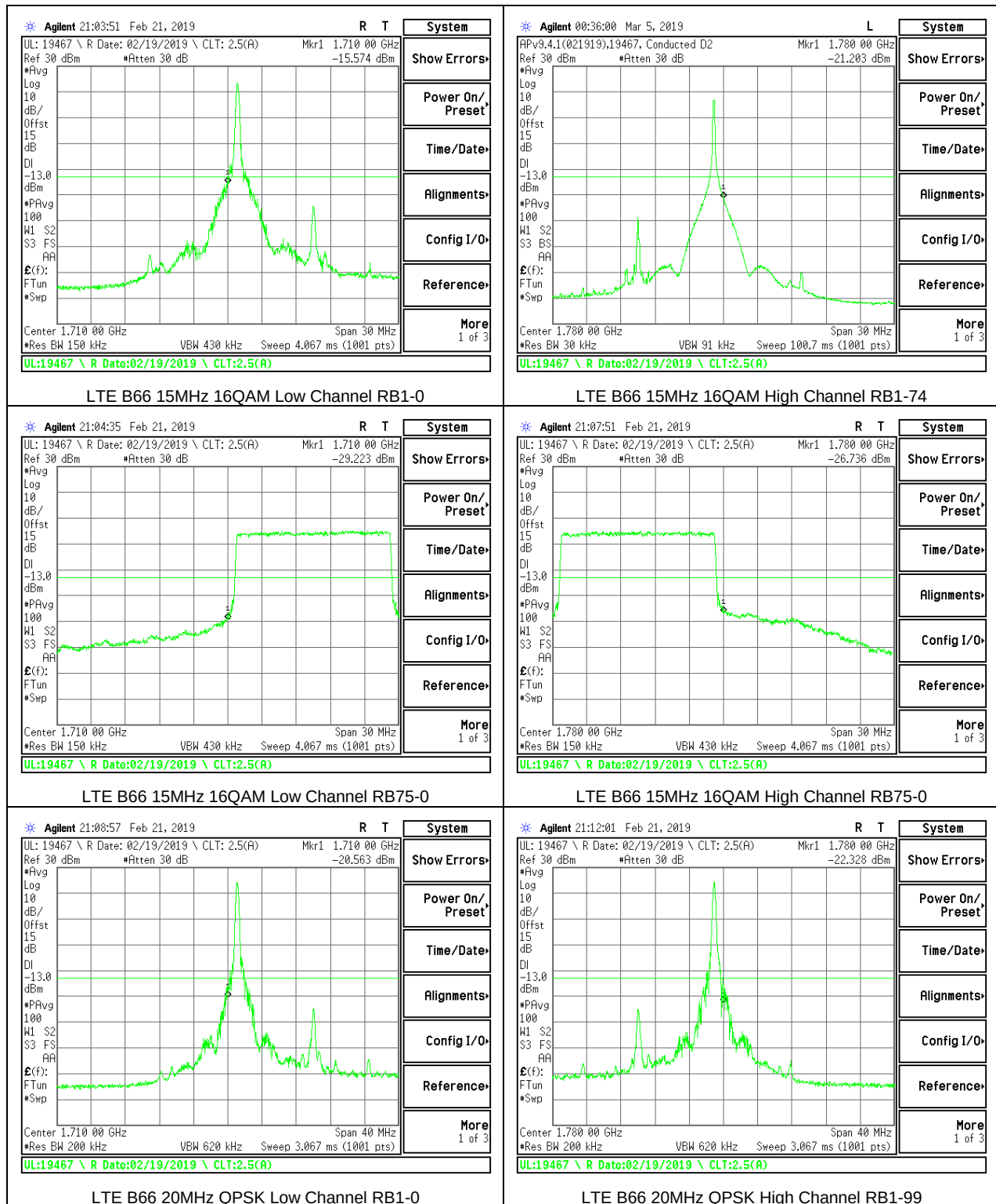


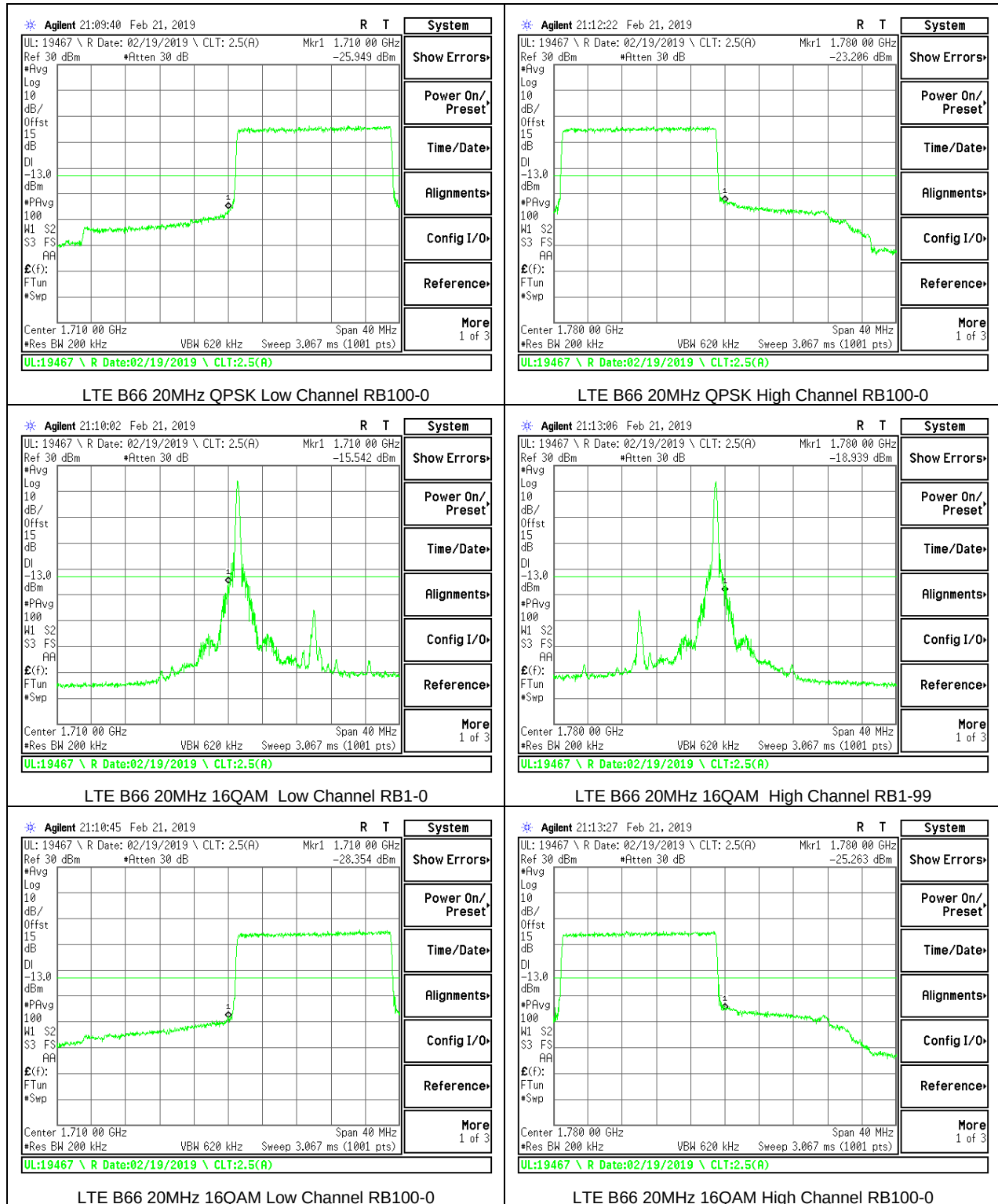




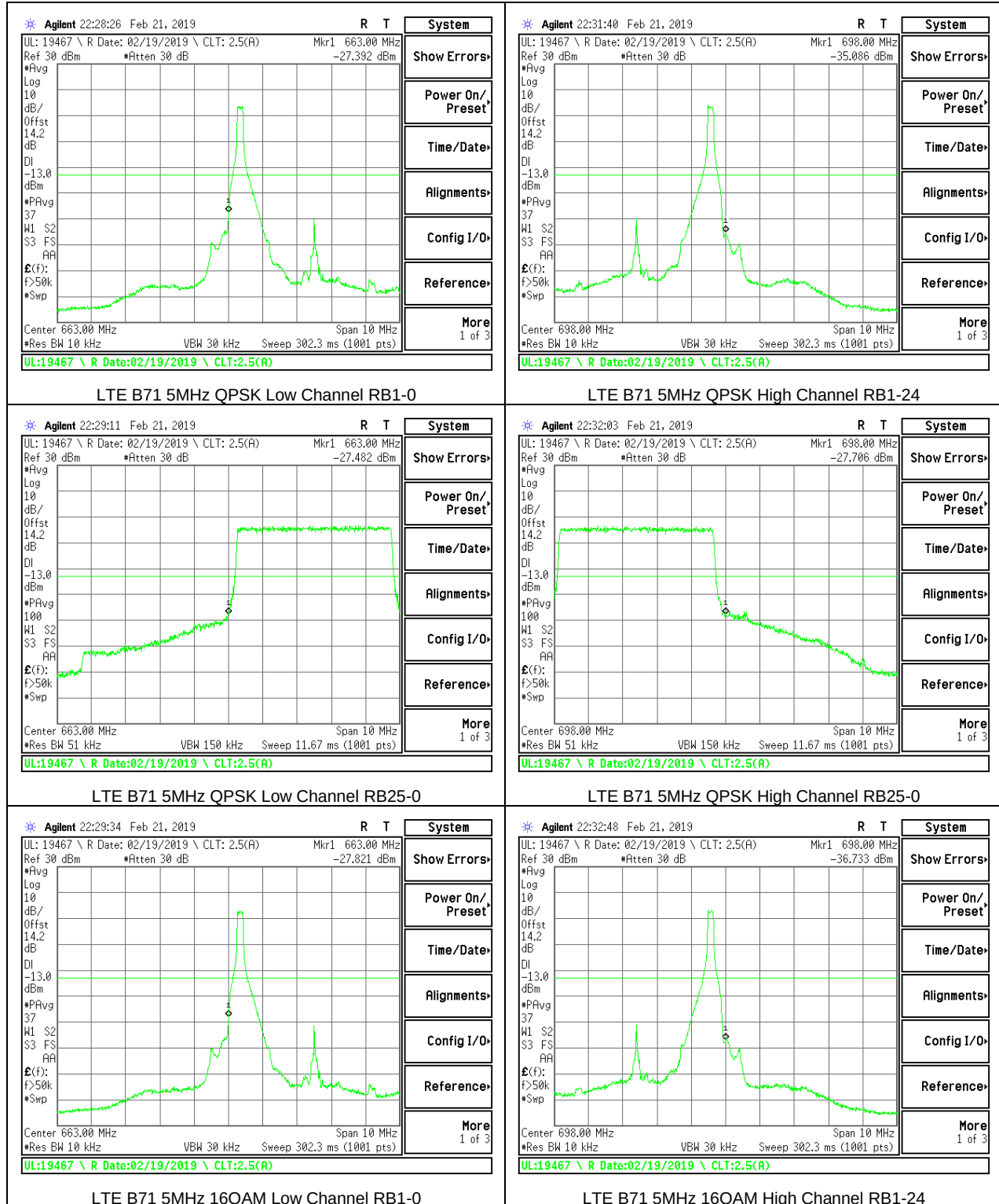


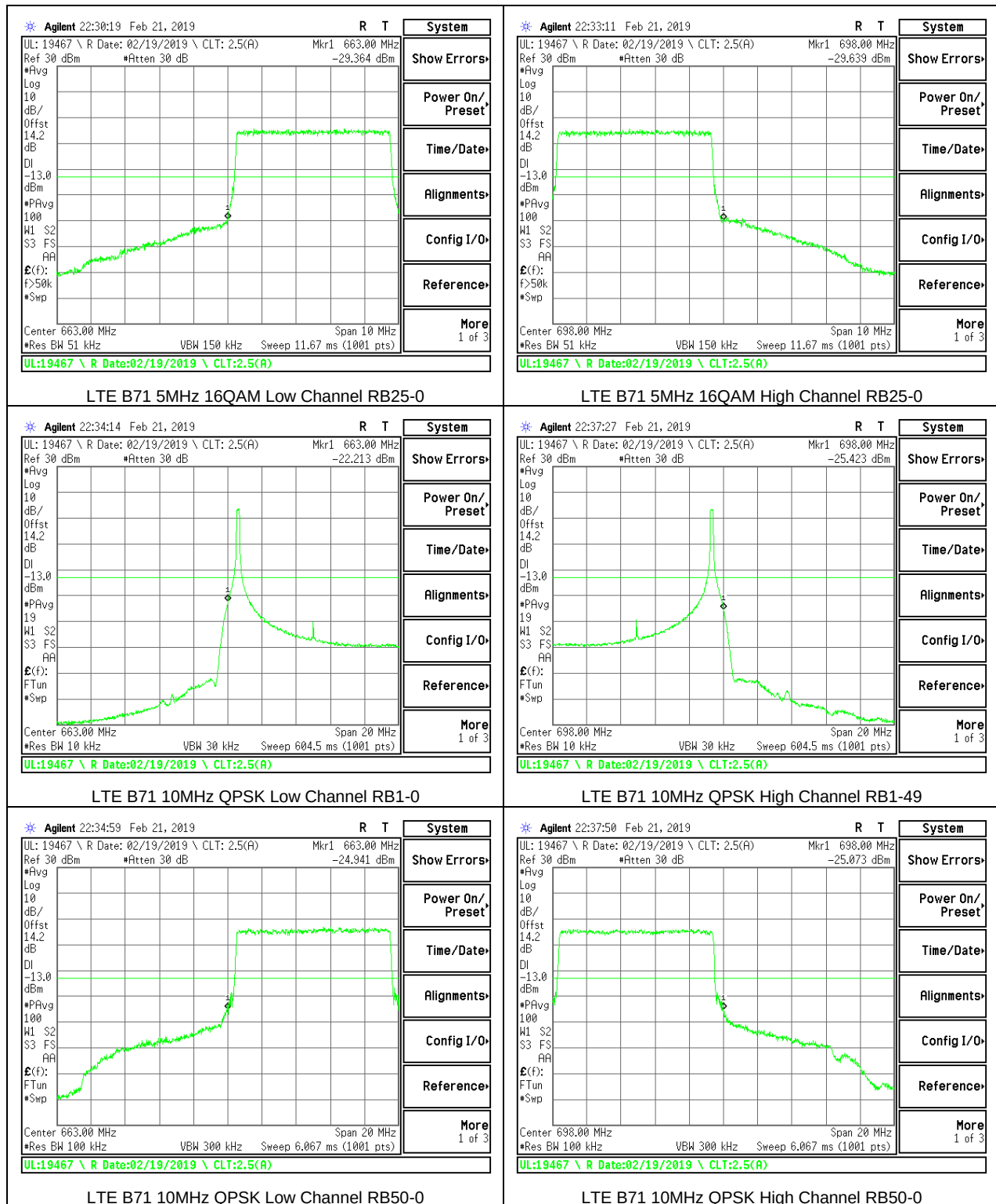


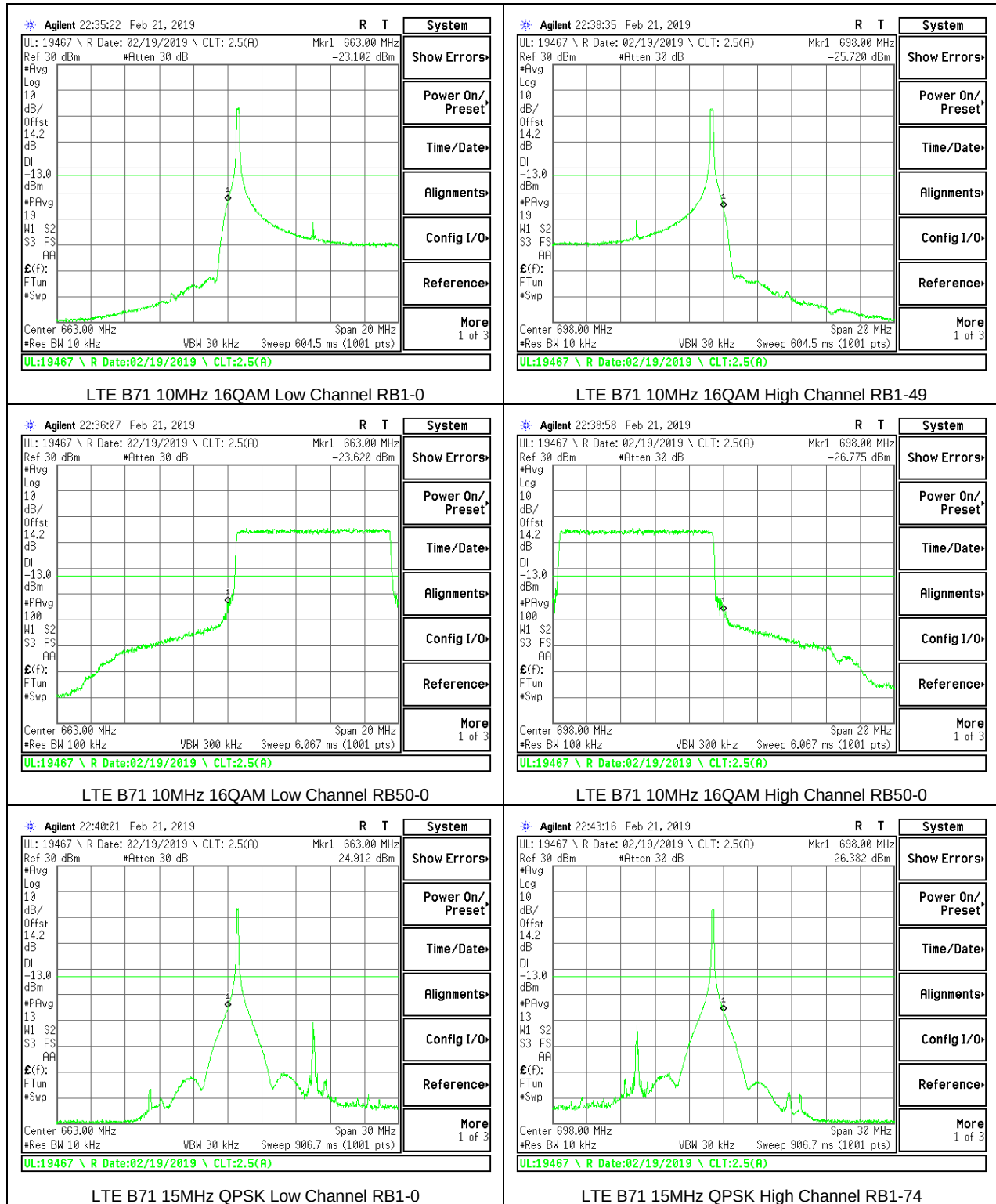


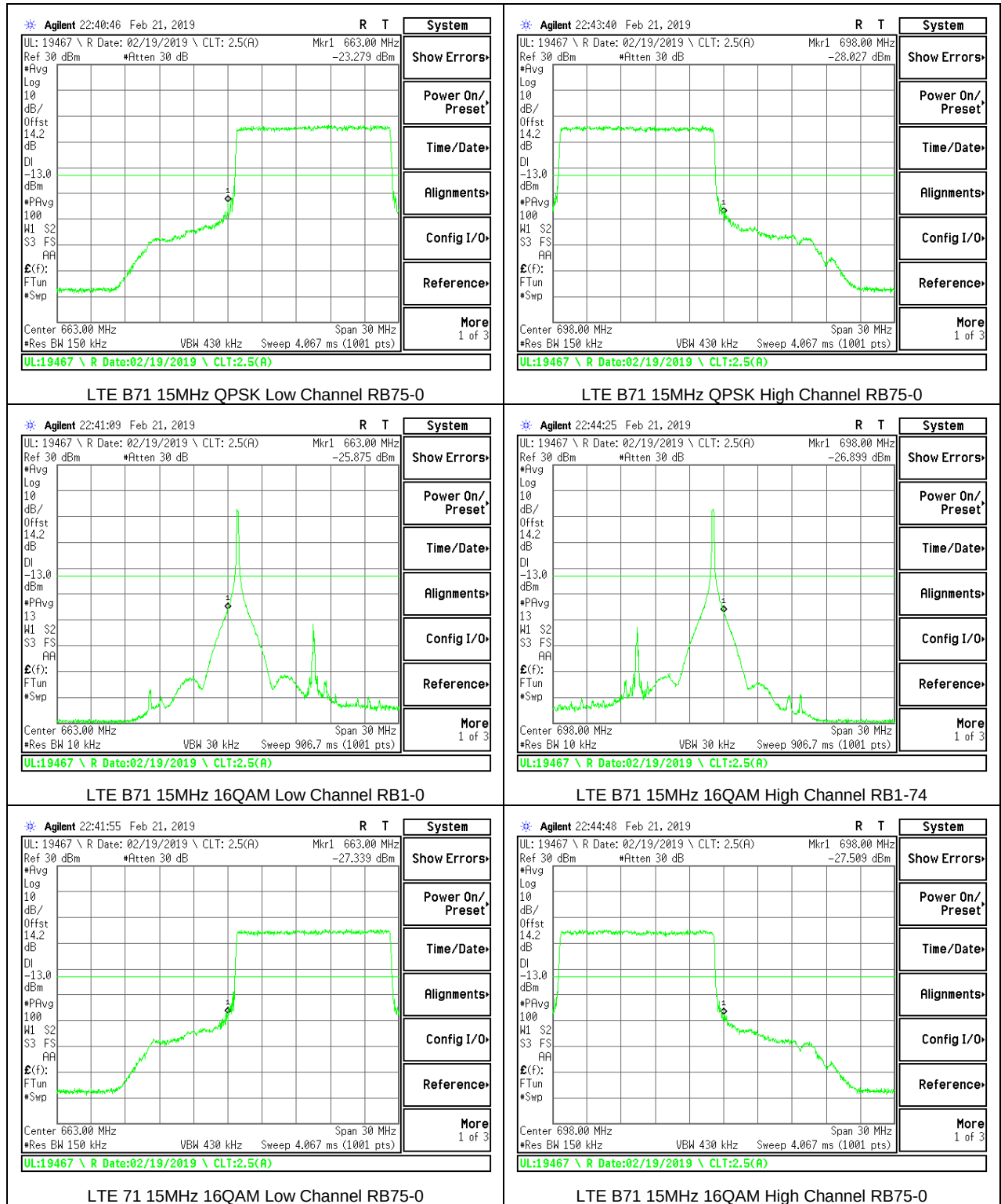


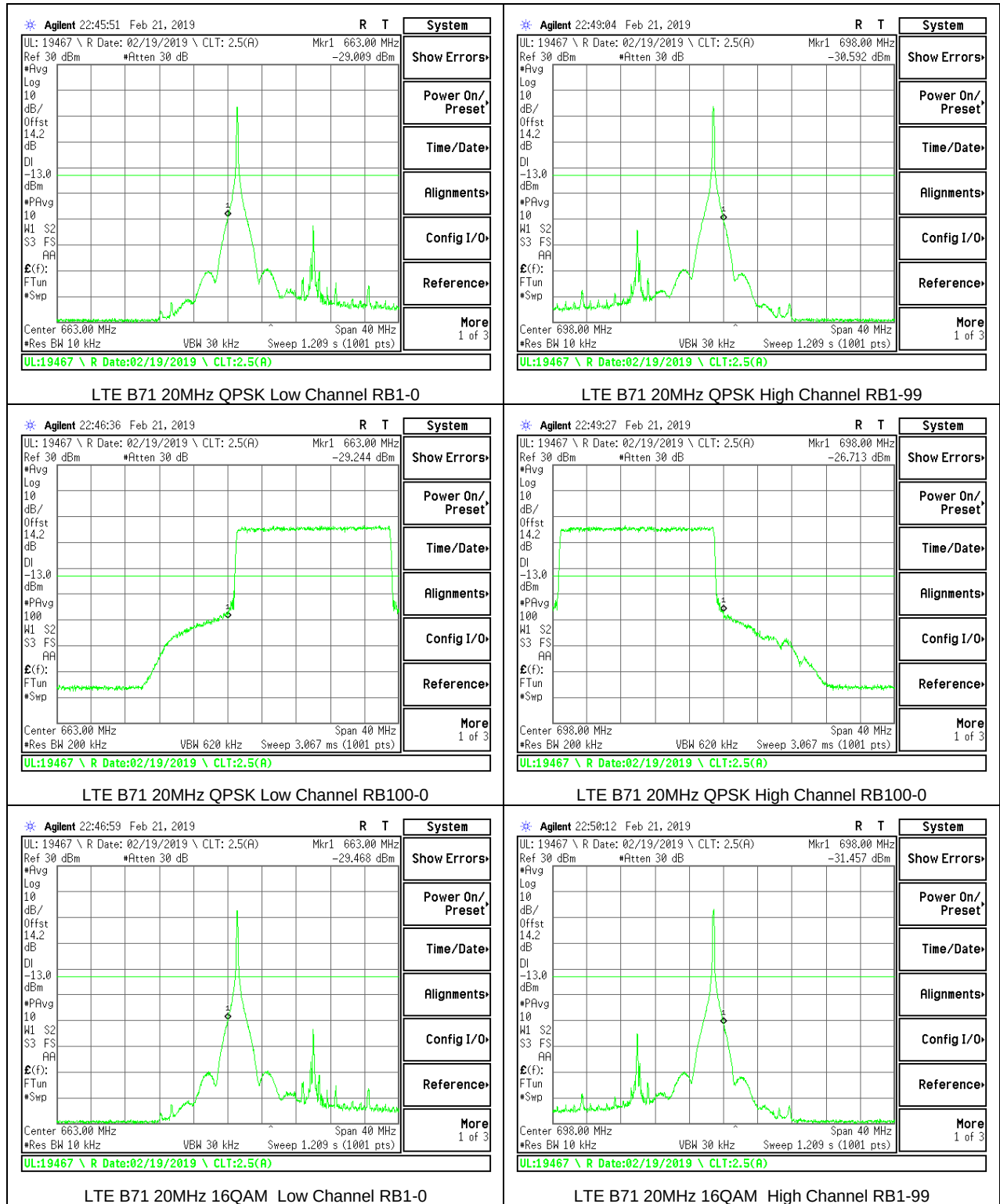
8.2.14. LTE BAND 71 BANDEDGE

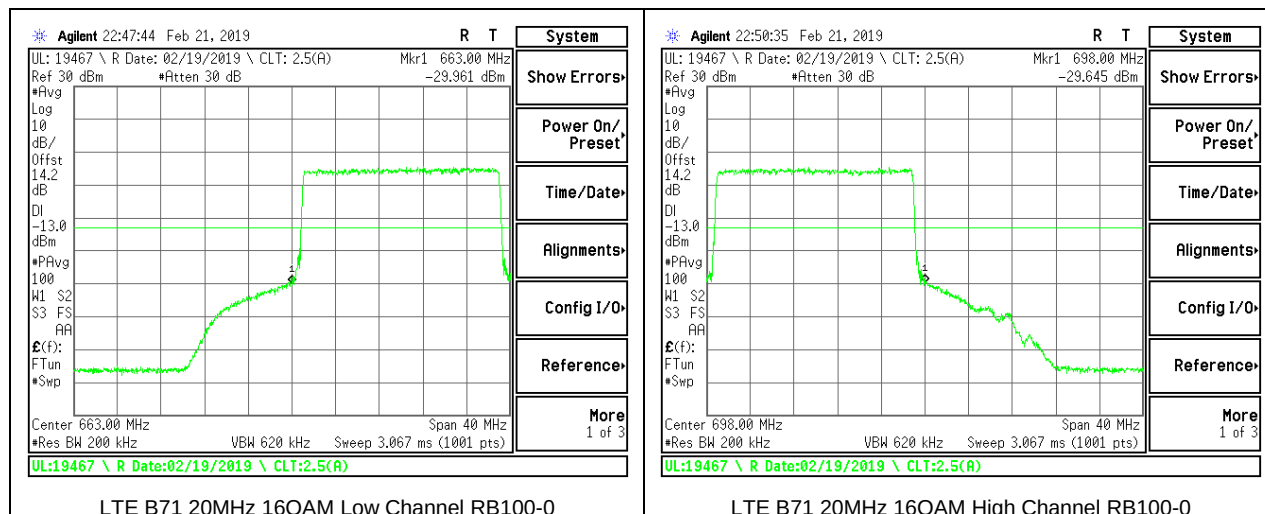












8.3. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53, §90.691, §90.543 and §96.41

LIMITS

FCC: §22.917, §24.238, §27.53 (c), (g), (h), §90.691, §90.543 (Band 14)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

FCC: §27.53 (a) (Band 30)

The minimum permissible attenuation level of any spurious emissions is $70 + 10 \log (P)$ dB where transmitting power (P) in Watts.

FCC: §27.53 (m) (Band 7, 41)

The minimum permissible attenuation level of any spurious emissions is $55 + 10 \log (P)$ dB where transmitting power (P) in Watts.

TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

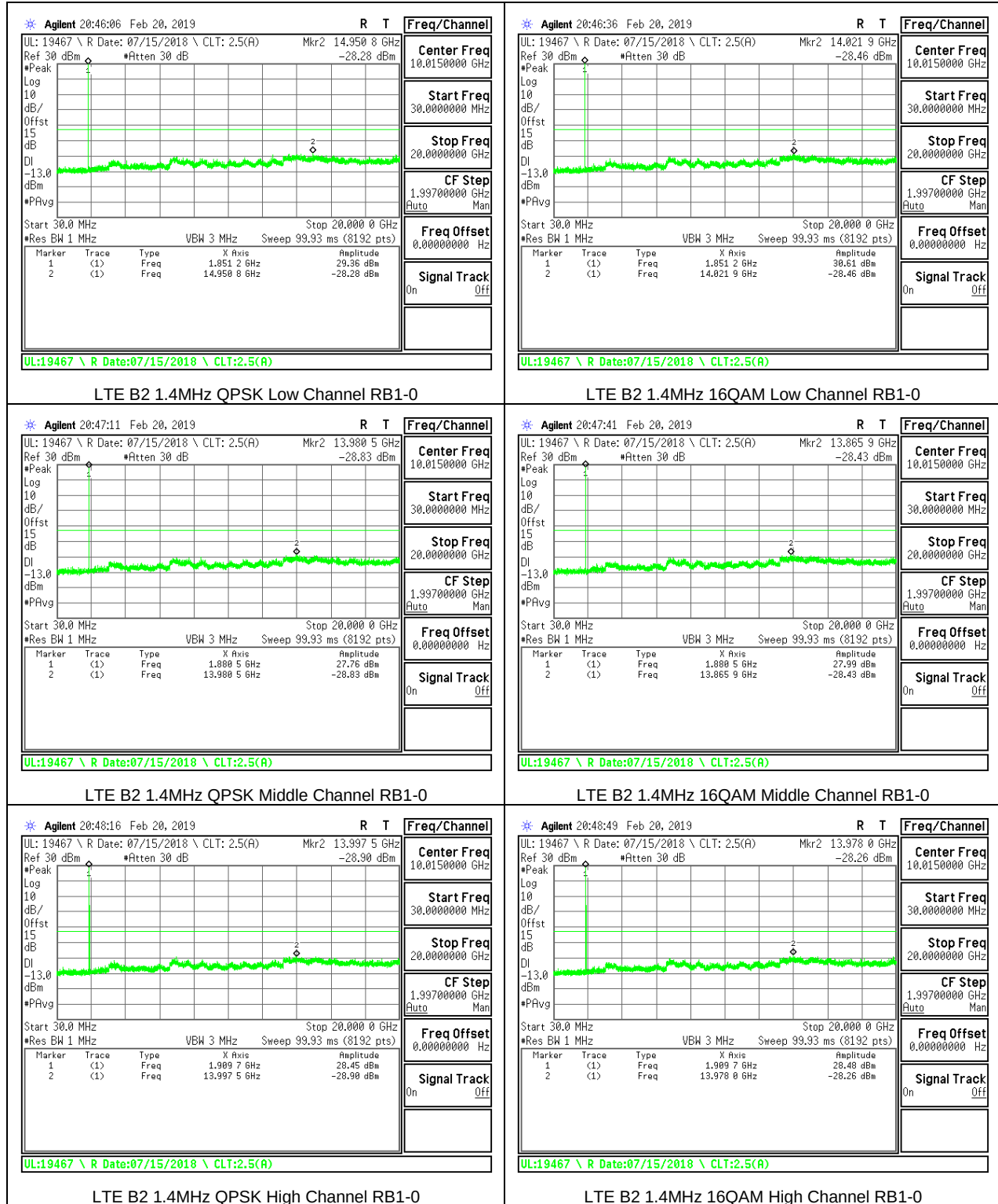
For each out of band emissions measurement:

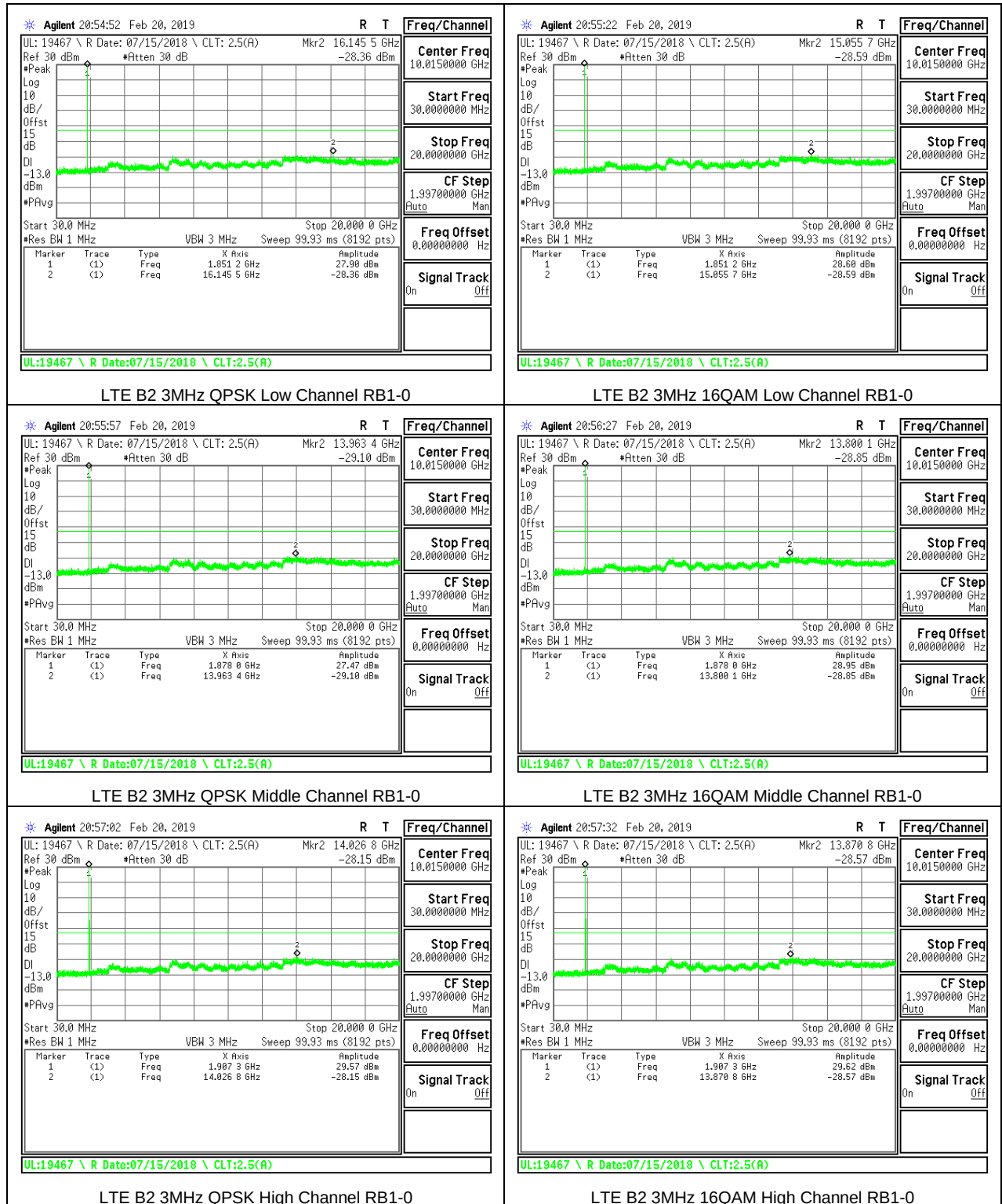
- Set display line at -13 dBm, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

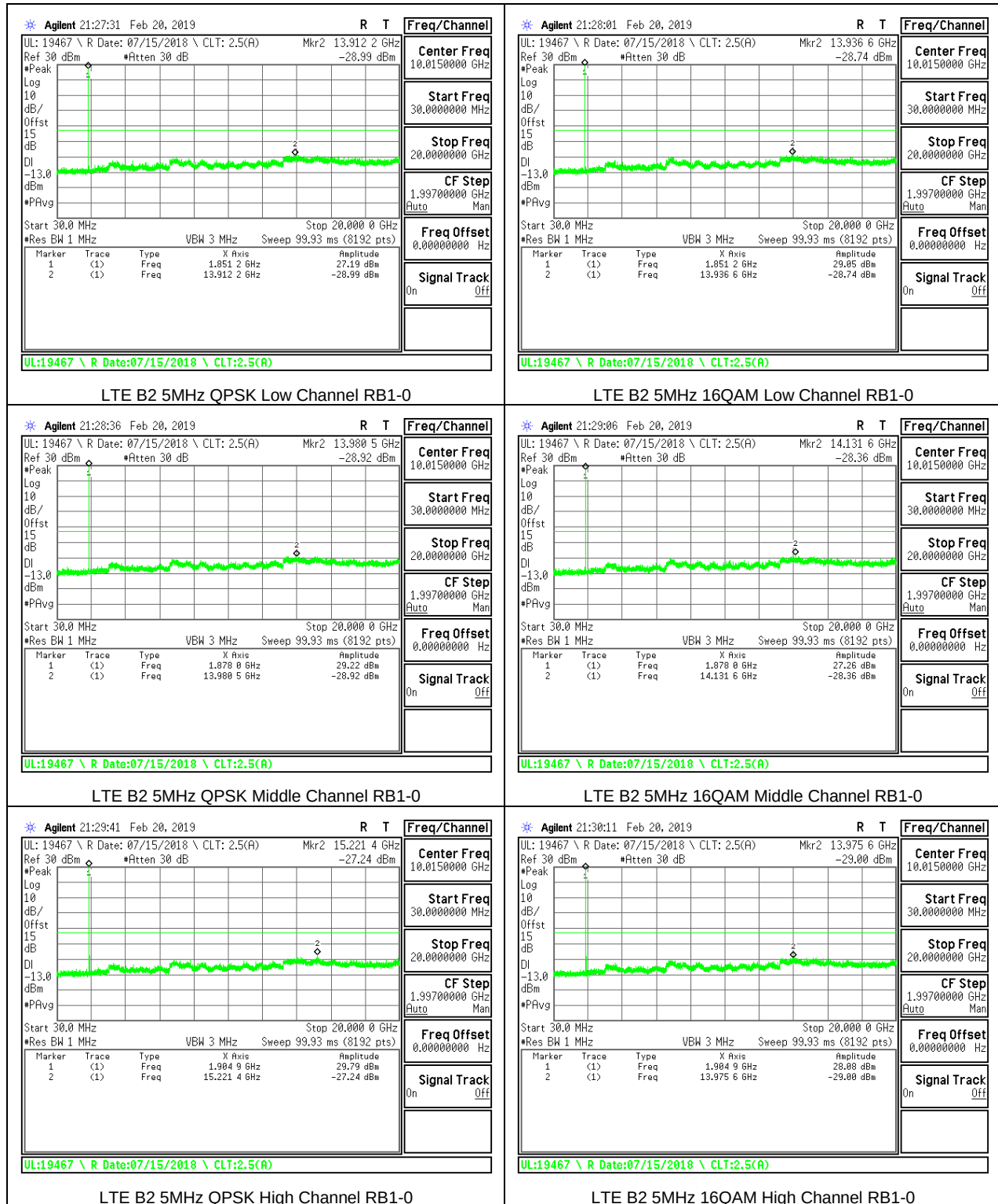
MODES TESTED

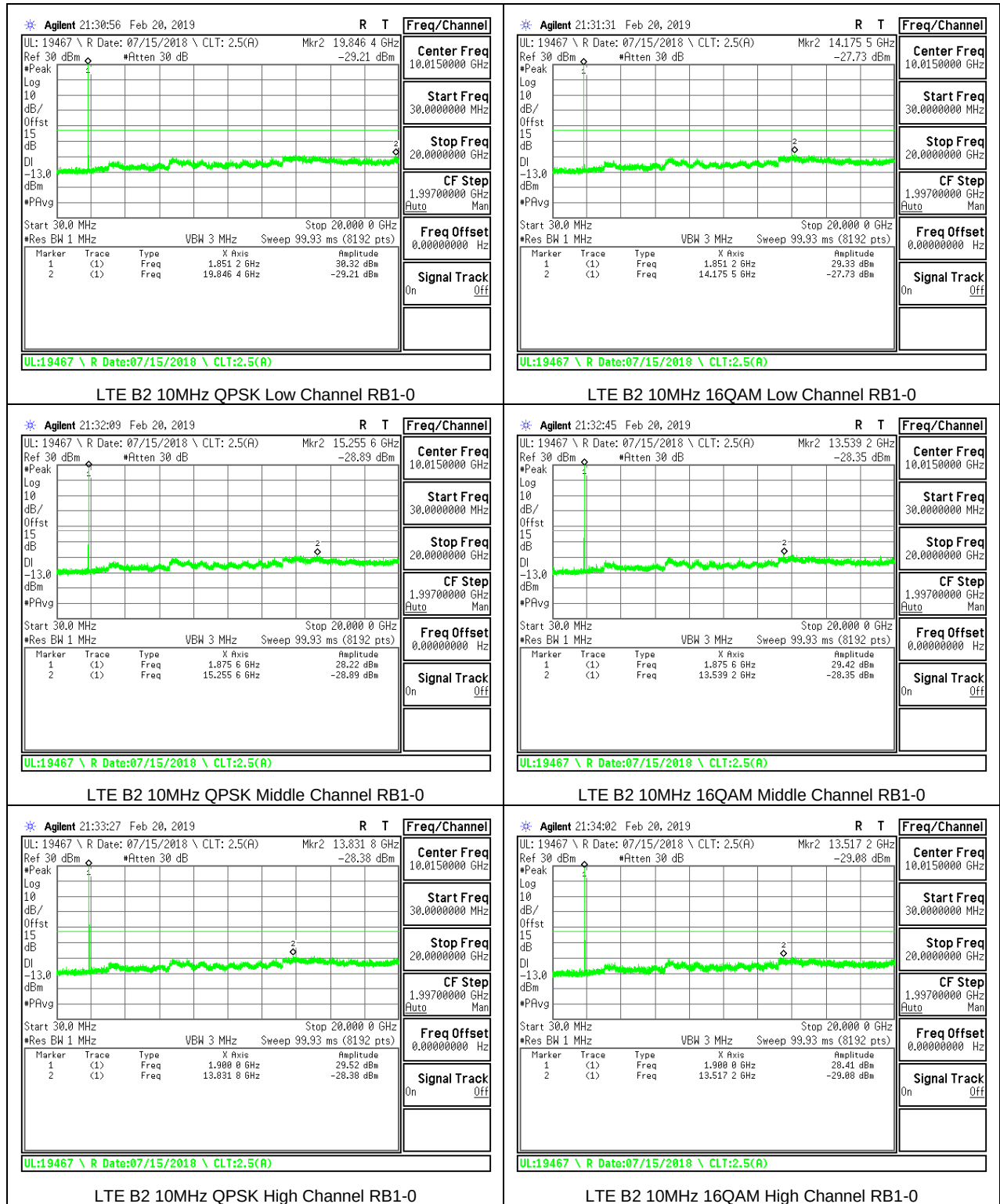
- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 14
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 48
- LTE Band 66
- LTE Band 71

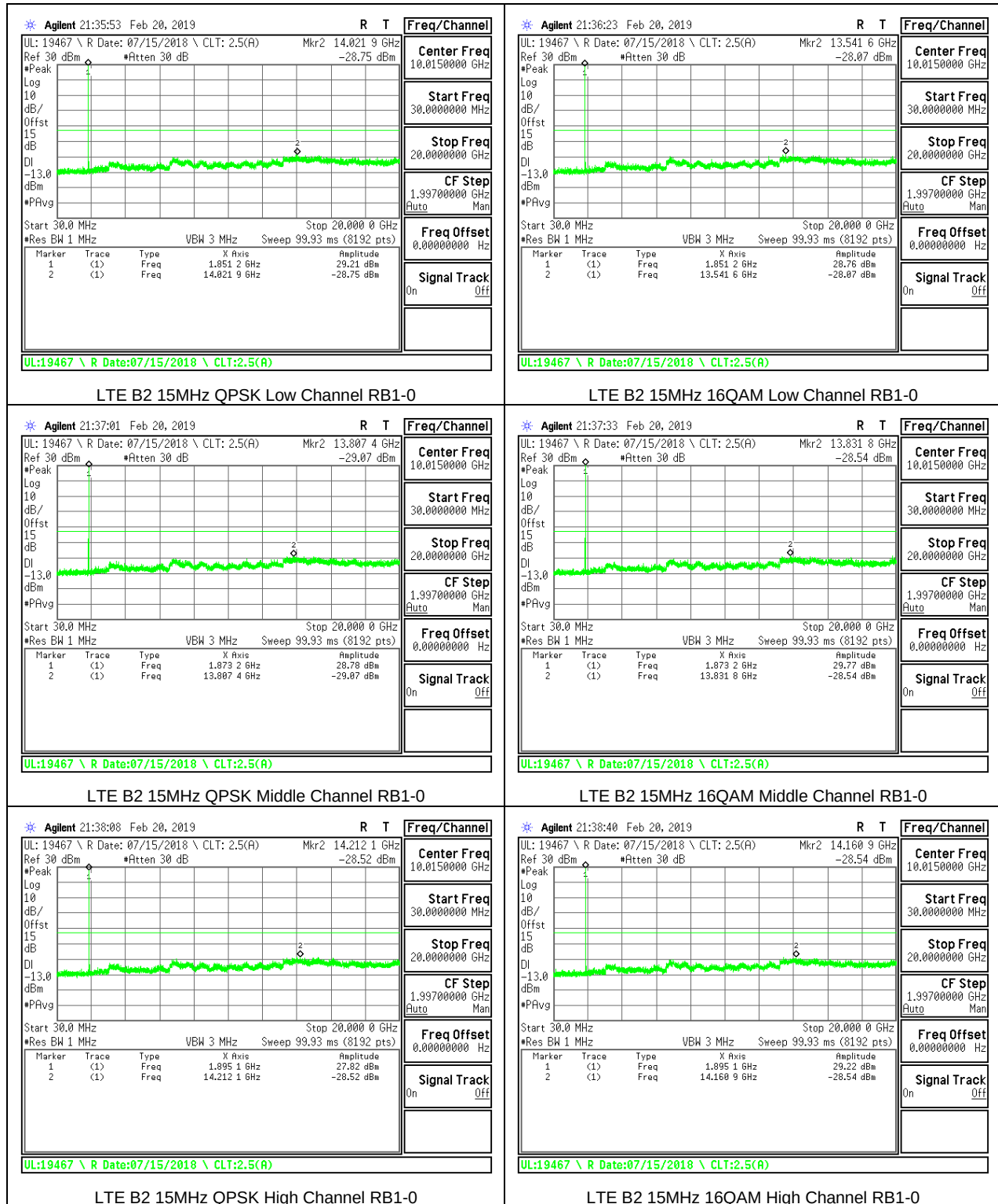
8.3.1. LTE BAND 2

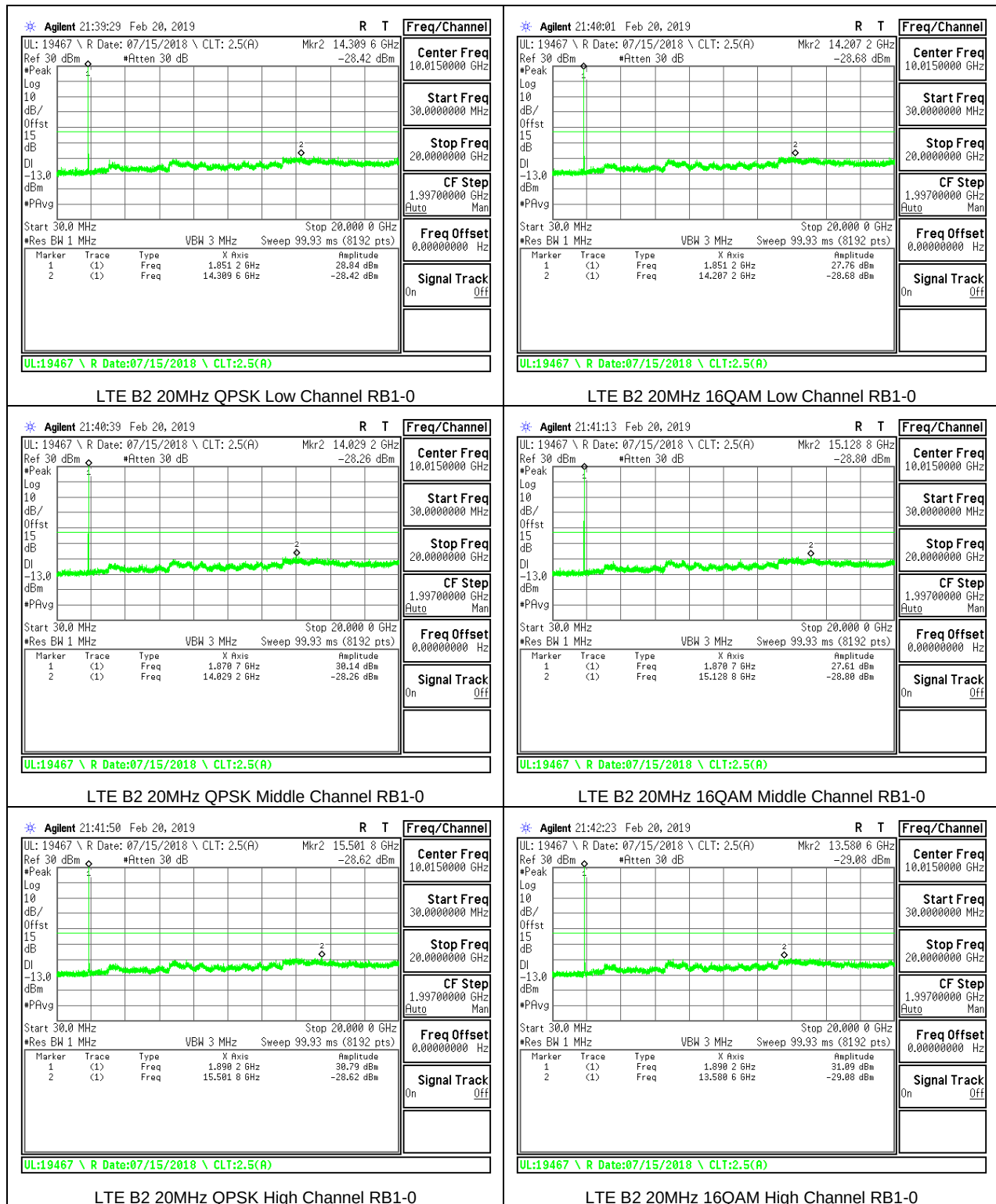












8.3.2. LTE BAND 5

