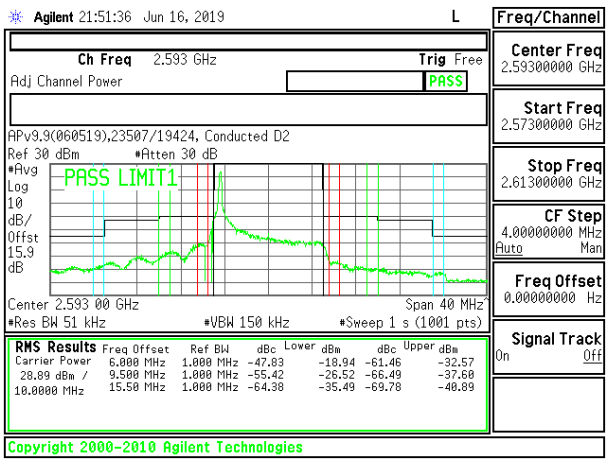
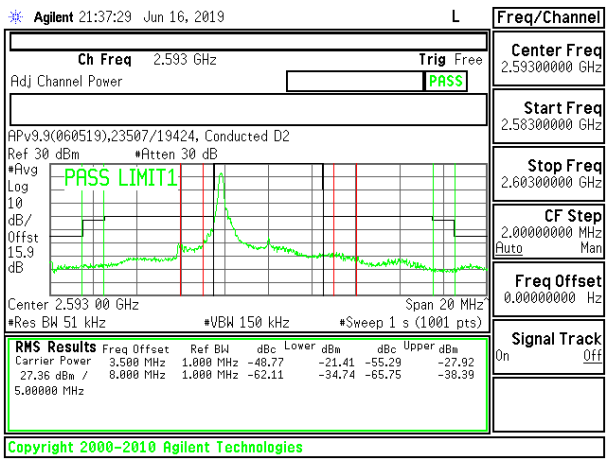
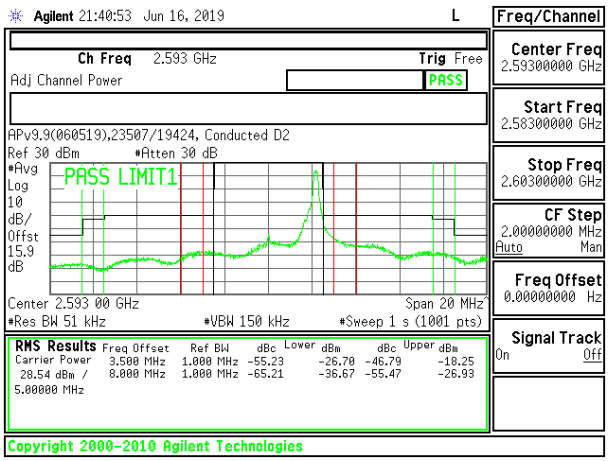


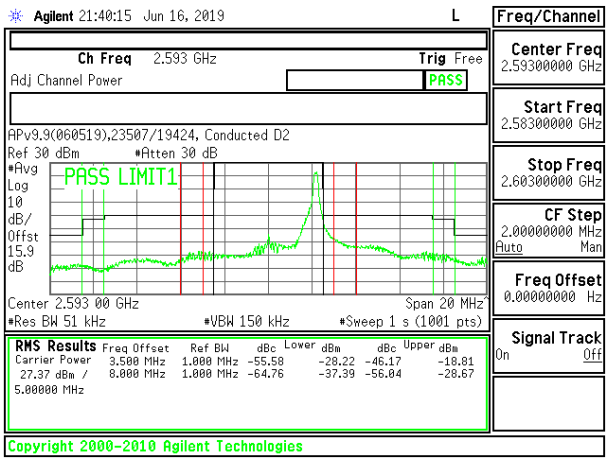
LTE B41 5MHz QPSK Middle Channel RB1-0



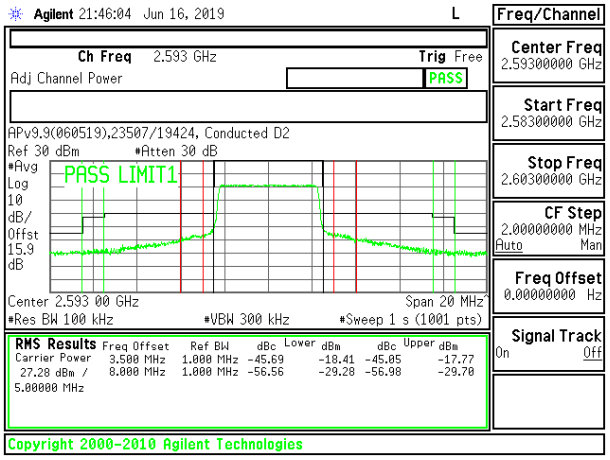
LTE B41 5MHz 16QAM Middle Channel RB1-0



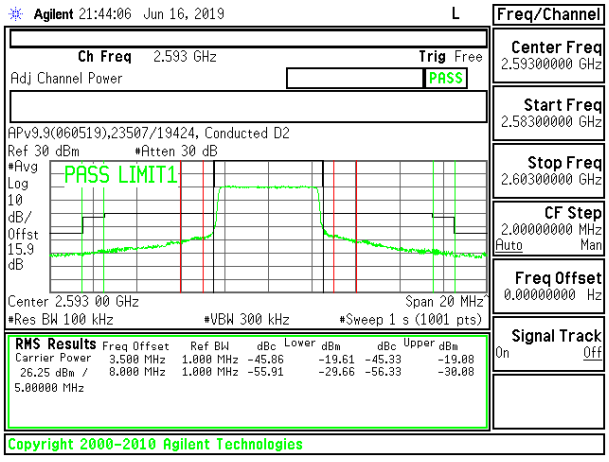
LTE B41 5MHz QPSK Middle Channel RB1-24



LTE B41 5MHz 16QAM Middle Channel RB1-24



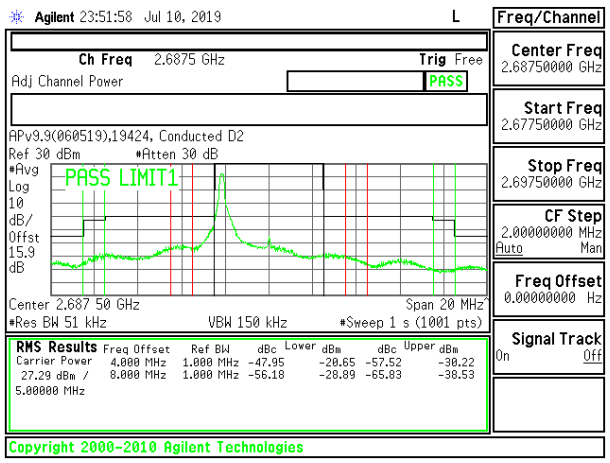
LTE B41 5MHz QPSK Middle Channel RB25-0



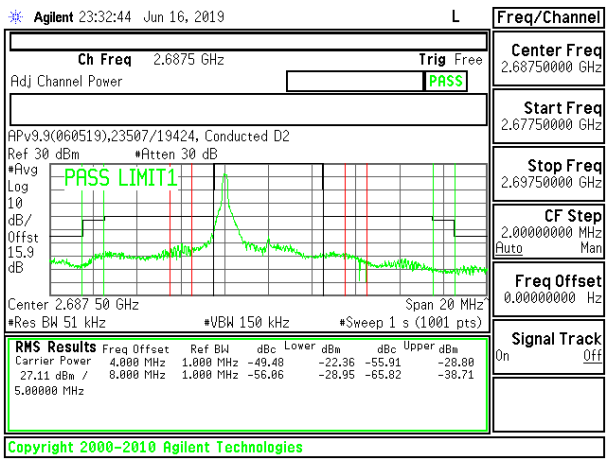
LTE B41 5MHz 16QAM Middle Channel RB25-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

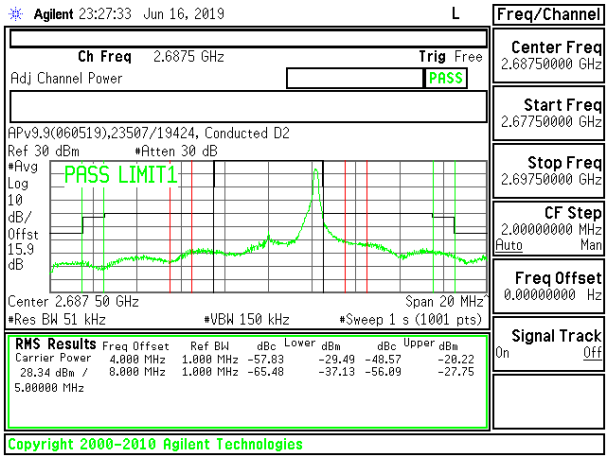
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



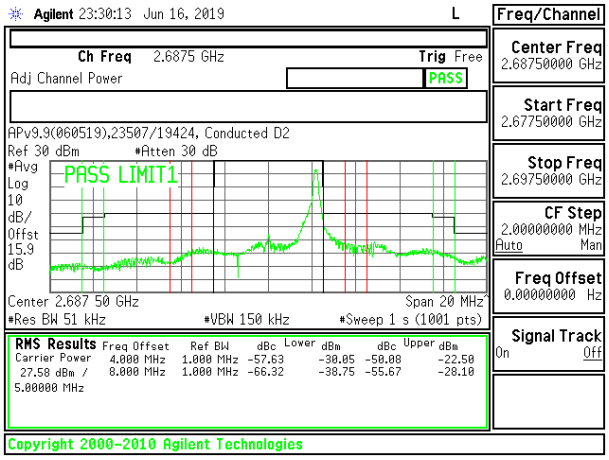
LTE B41 5MHz QPSK High Channel RB1-0



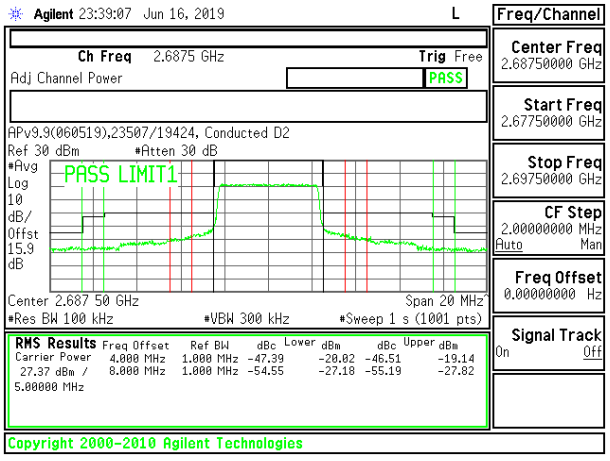
LTE B41 5MHz 16QAM High Channel RB1-0



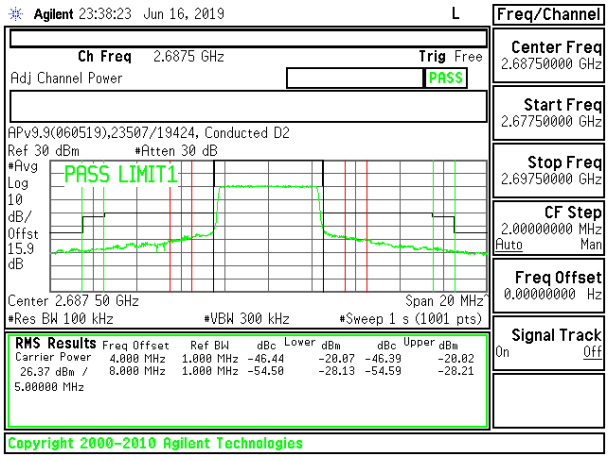
LTE B41 5MHz QPSK High Channel RB1-24



LTE B41 5MHz 16QAM High Channel RB1-24



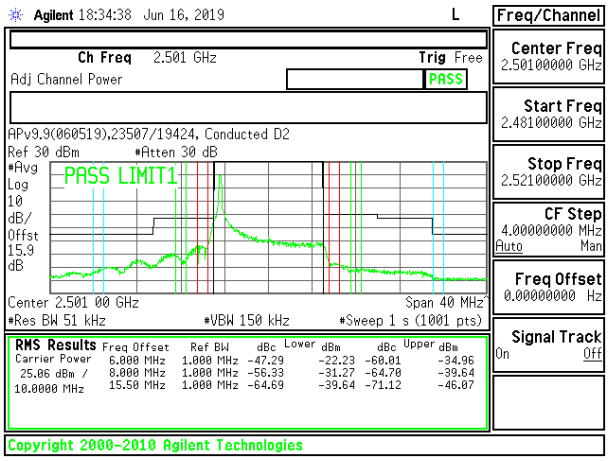
LTE B41 5MHz QPSK High Channel RB25-0



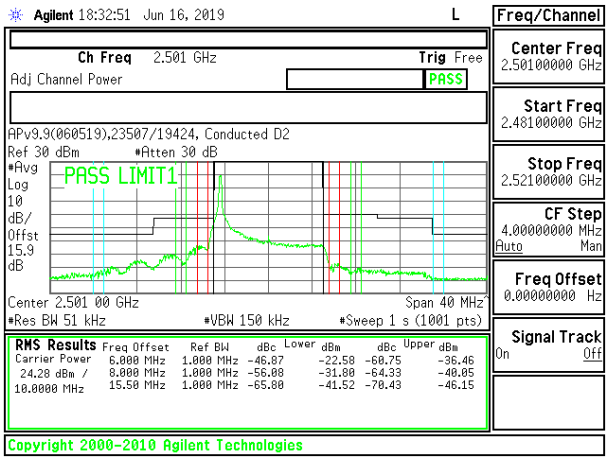
LTE B41 5MHz 16QAM High Channel RB25-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

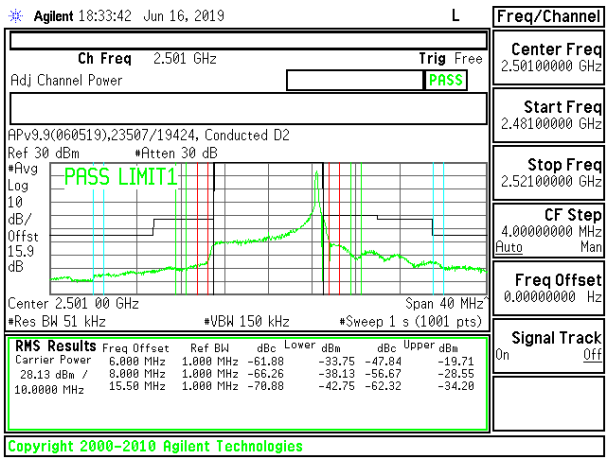
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



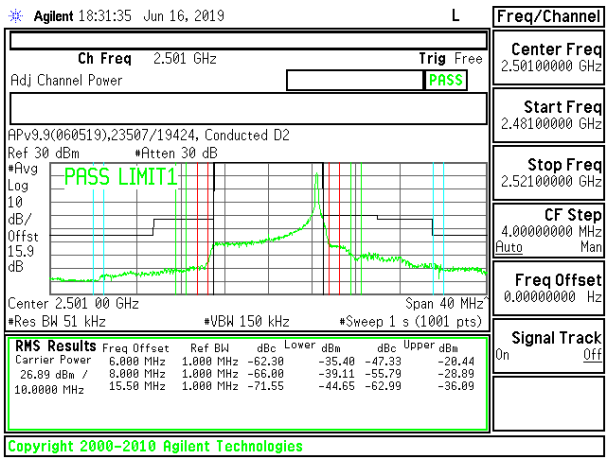
LTE B41 10MHz QPSK Low Channel RB1-0



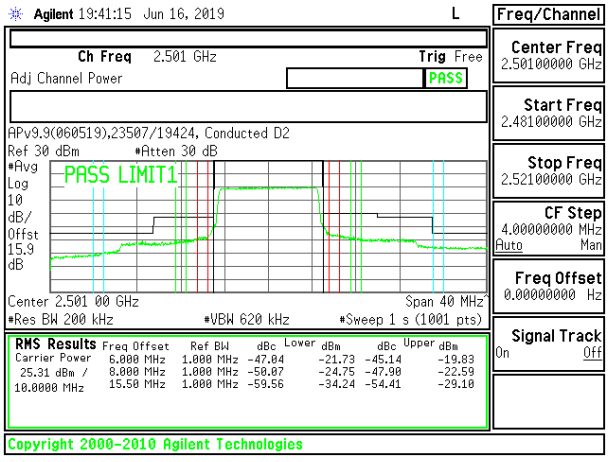
LTE B41 10MHz 16QAM Low Channel RB1-0



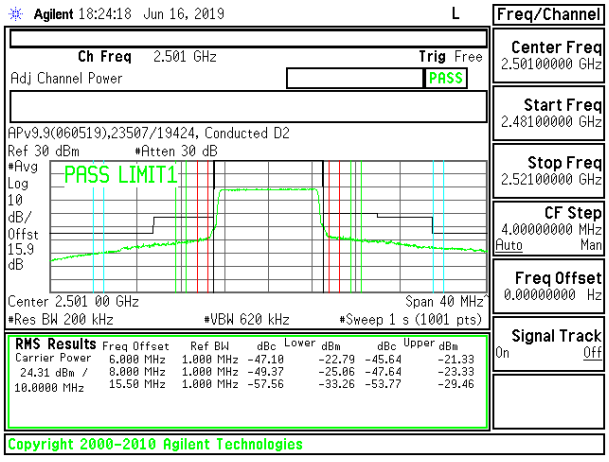
LTE B41 10MHz QPSK Low Channel RB1-49



LTE B41 10MHz 16QAM Low Channel RB1-49

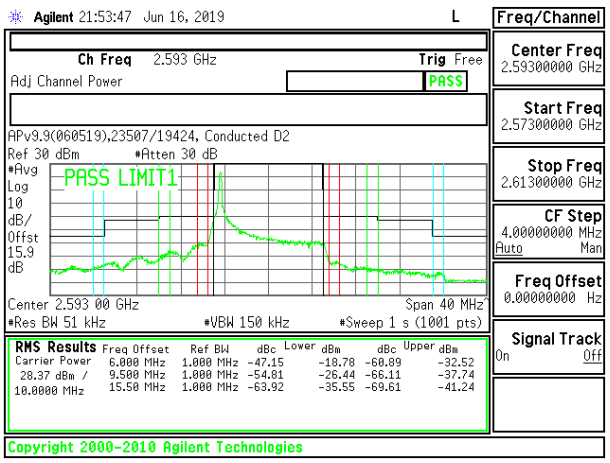


LTE B41 10MHz QPSK Low Channel RB50-0

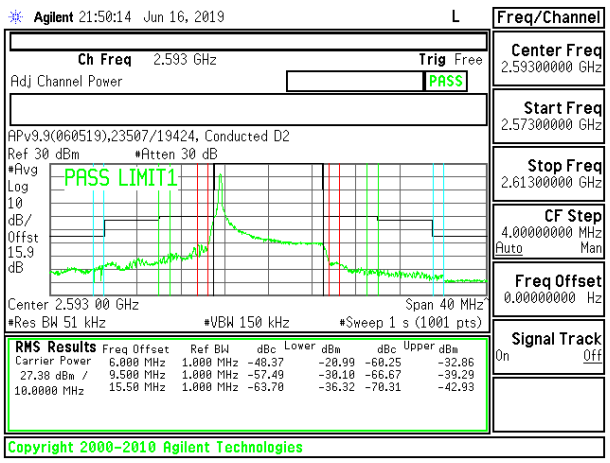


LTE B41 10MHz 16QAM Low Channel RB50-0

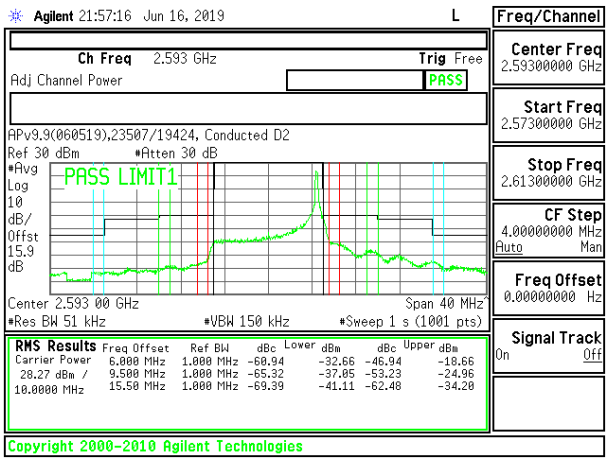
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



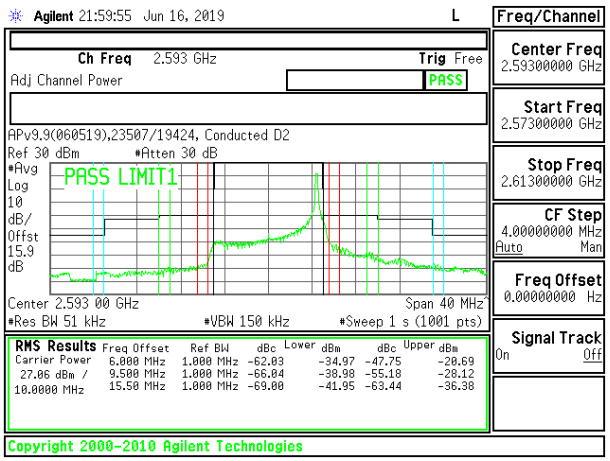
LTE B41 10MHz QPSK Middle Channel RB1-0



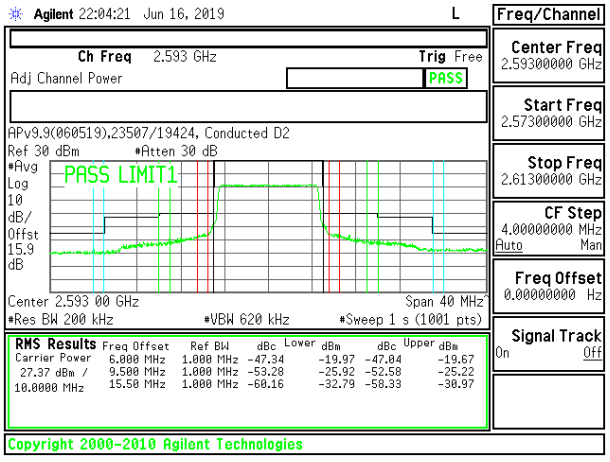
LTE B41 10MHz 16QAM Middle Channel RB1-0



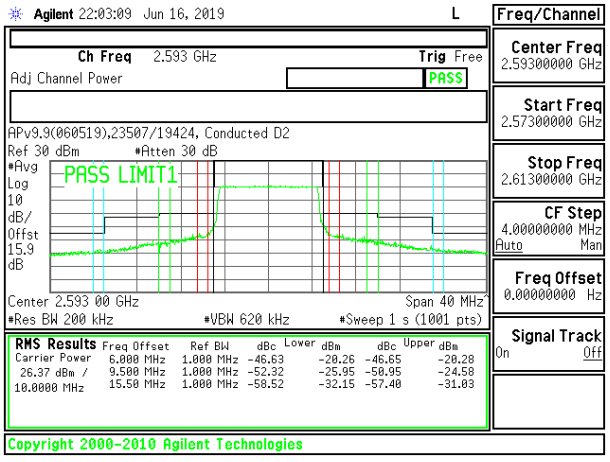
LTE B41 10MHz QPSK Middle Channel RB1-49



LTE B41 10MHz 16QAM Middle Channel RB1-49

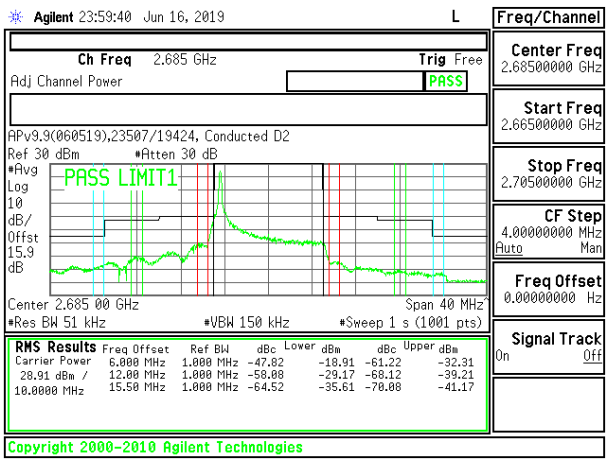


LTE B41 10MHz QPSK Middle Channel RB50-0

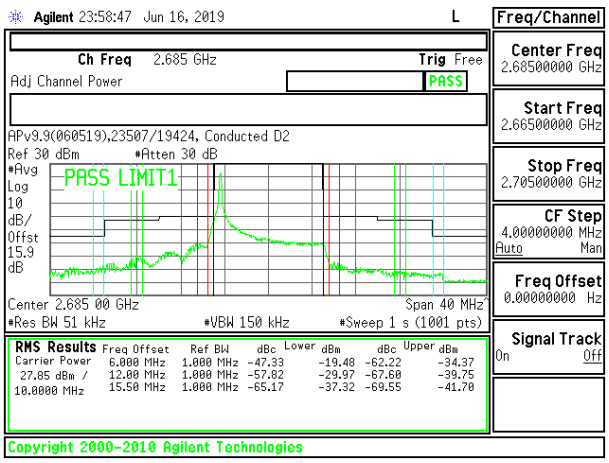


LTE B41 10MHz 16QAM Middle Channel RB50-0

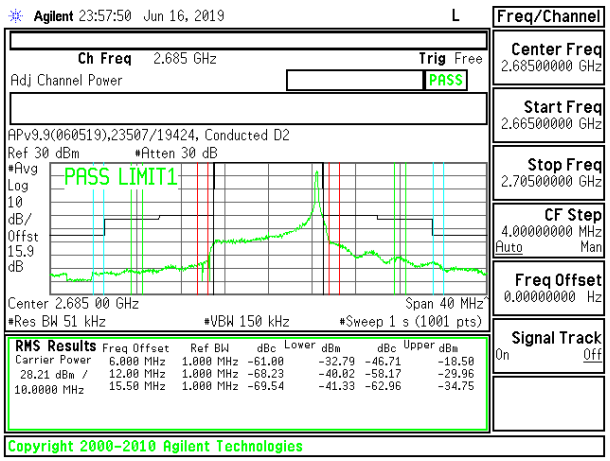
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



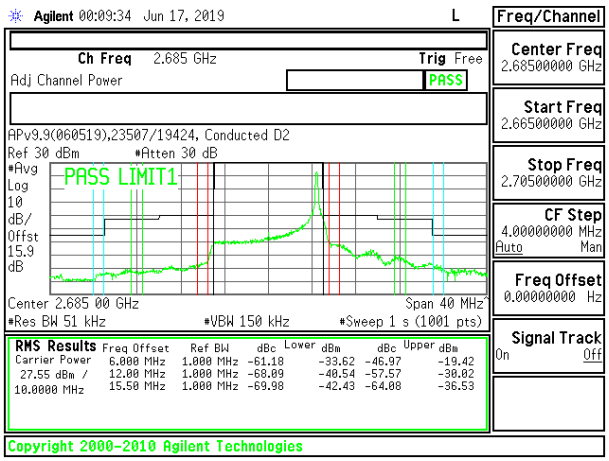
LTE B41 10MHz QPSK High Channel RB1-0



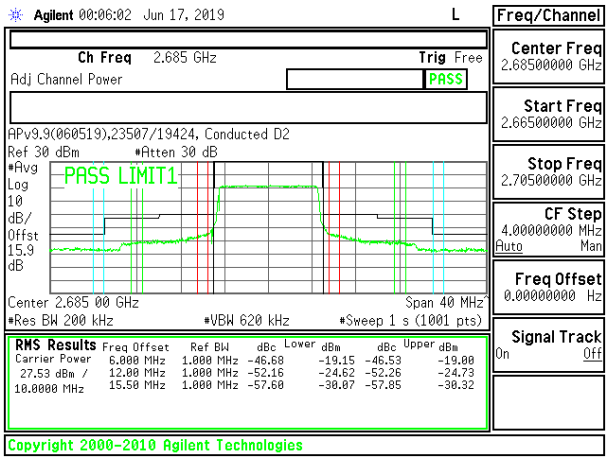
LTE B41 10MHz 16QAM High Channel RB1-0



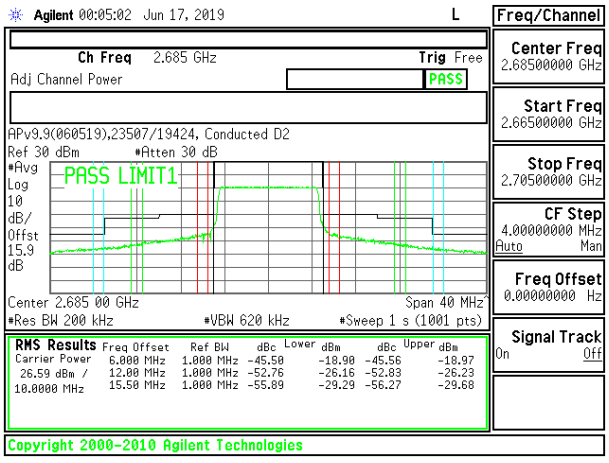
LTE B41 10MHz QPSK High Channel RB1-49



LTE B41 10MHz 16QAM High Channel RB1-49

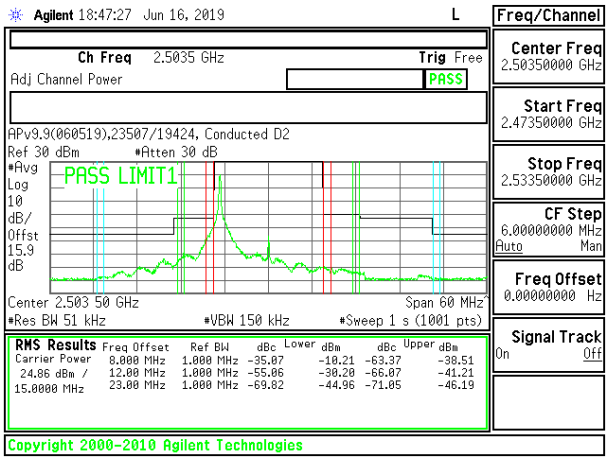


LTE B41 10MHz QPSK High Channel RB50-0

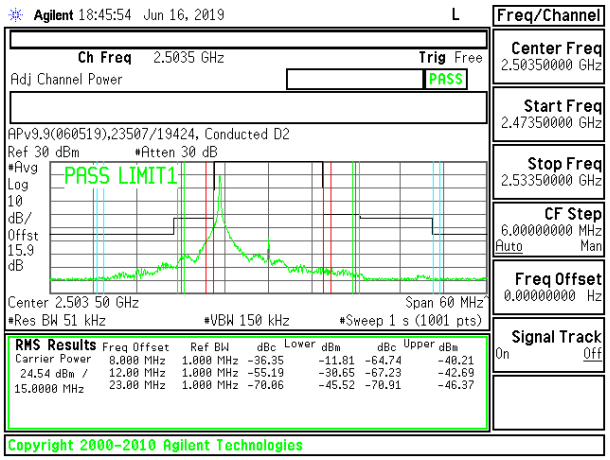


LTE B41 10MHz 16QAM High Channel RB50-0

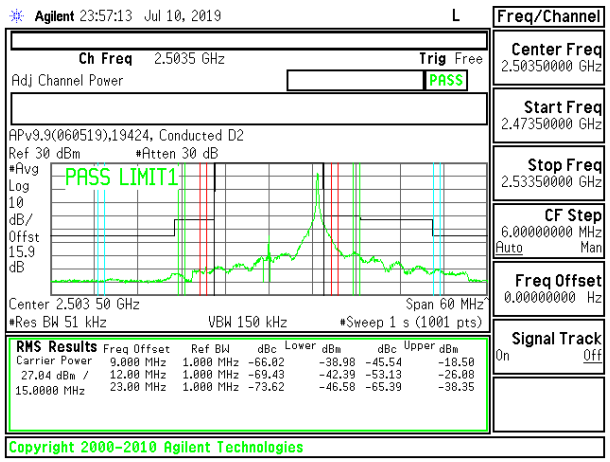
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



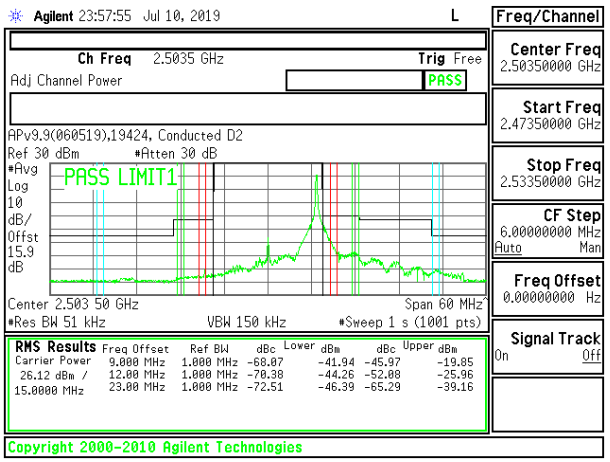
LTE B41 15MHz QPSK Low Channel RB1-0



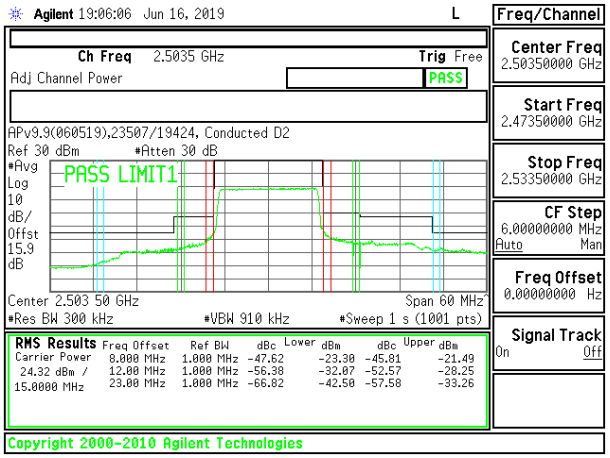
LTE B41 15MHz 16QAM Low Channel RB1-0



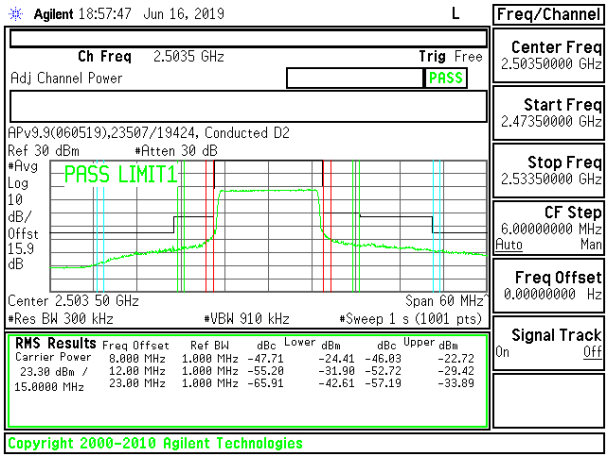
LTE B41 15MHz QPSK Low Channel RB1-74



LTE B41 15MHz 16QAM Low Channel RB1-74

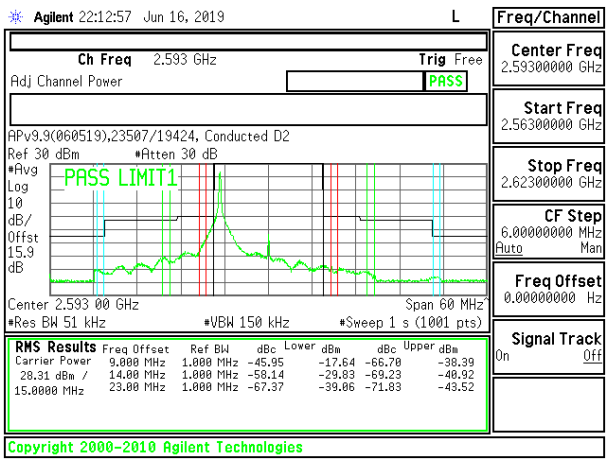


LTE B41 15MHz QPSK Low Channel RB75-0

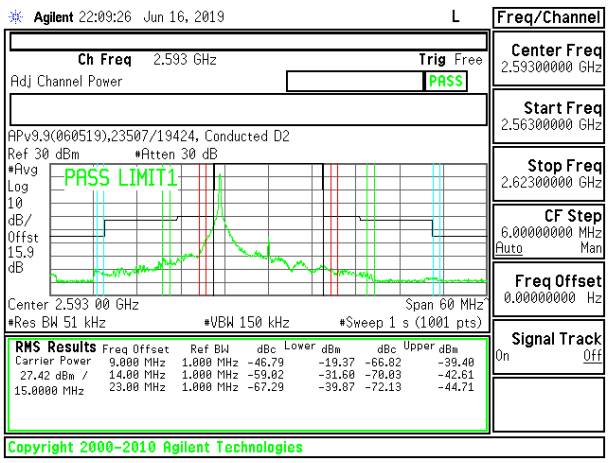


LTE B41 15MHz 16QAM Low Channel RB75-0

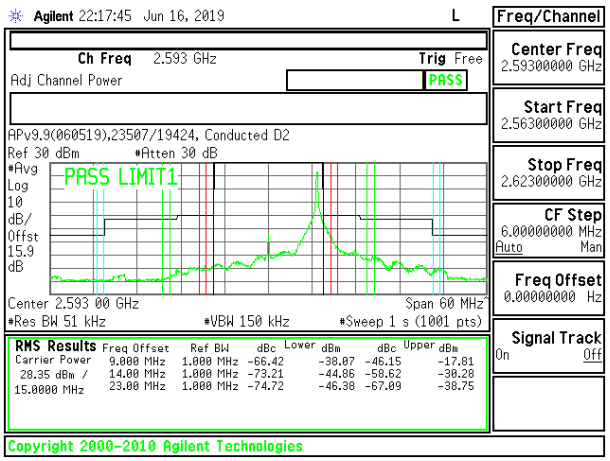
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



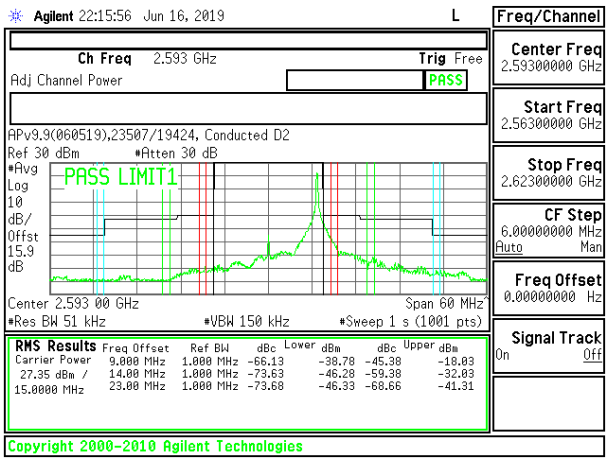
LTE B41 15MHz QPSK Middle Channel RB1-0



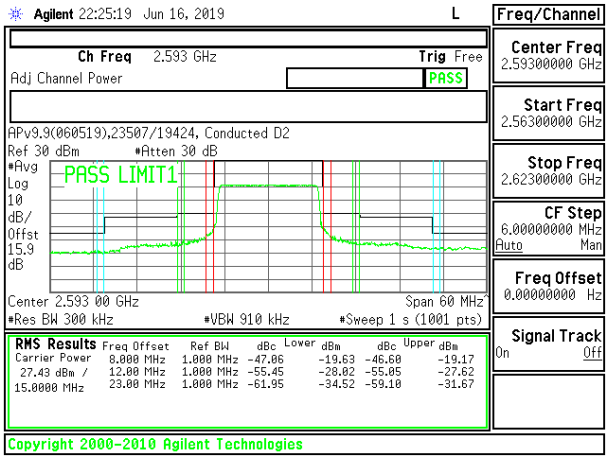
LTE B41 15MHz 16QAM Middle Channel RB1-0



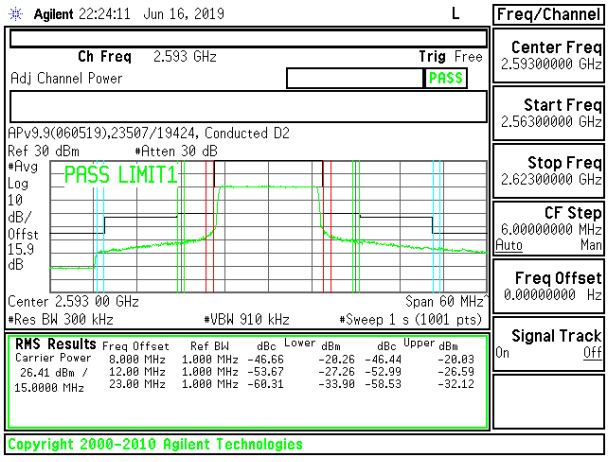
LTE B41 15MHz QPSK Middle Channel RB1-74



LTE B41 15MHz 16QAM Middle Channel RB1-74

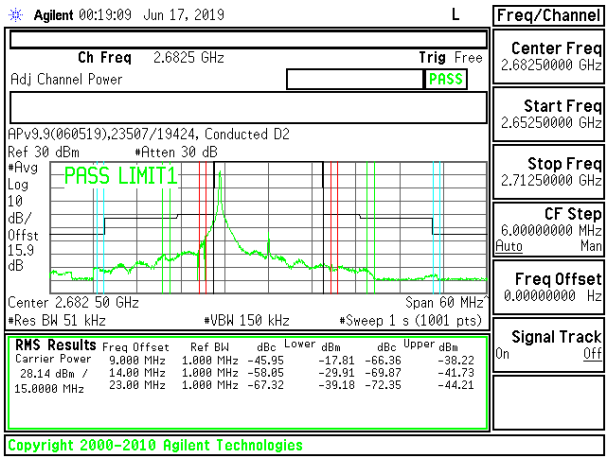


LTE B41 15MHz QPSK Middle Channel RB75-0

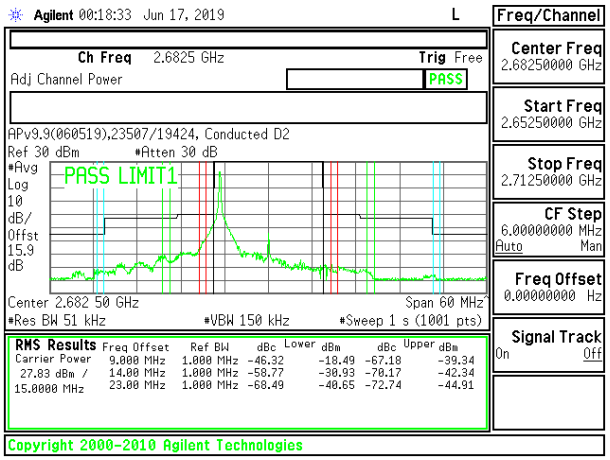


LTE B41 15MHz 16QAM Middle Channel RB75-0

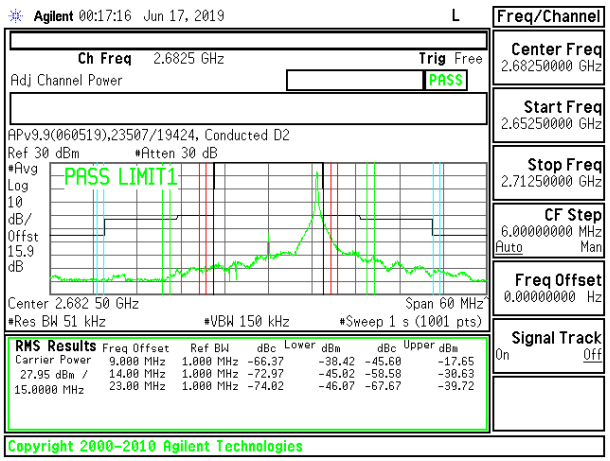
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



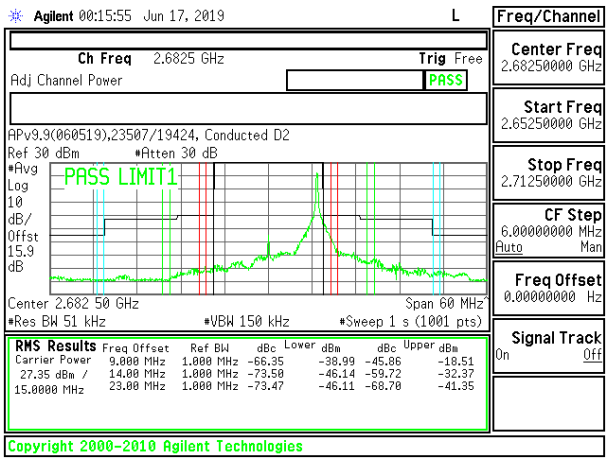
LTE B41 15MHz QPSK High Channel RB1-0



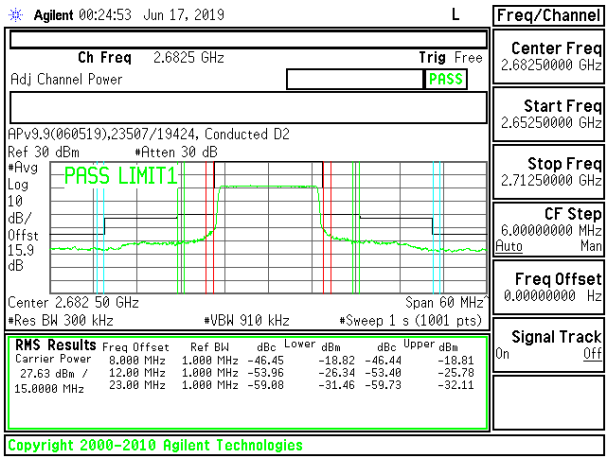
LTE B41 15MHz 16QAM High Channel RB1-0



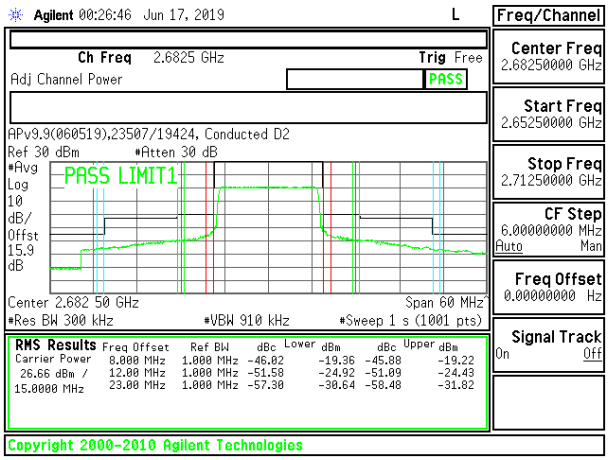
LTE B41 15MHz QPSK High Channel RB1-74



LTE B41 15MHz 16QAM High Channel RB1-74

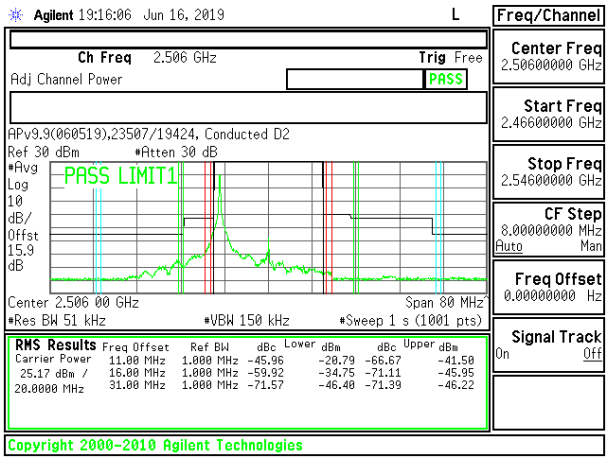


LTE B41 15MHz QPSK High Channel RB75-0

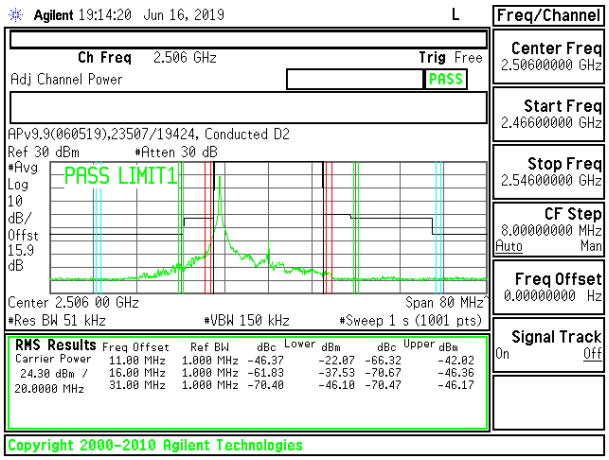


LTE B41 15MHz 16QAM High Channel RB75-0

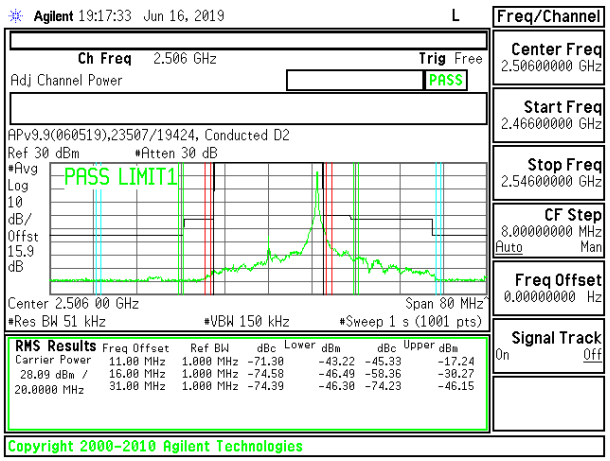
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



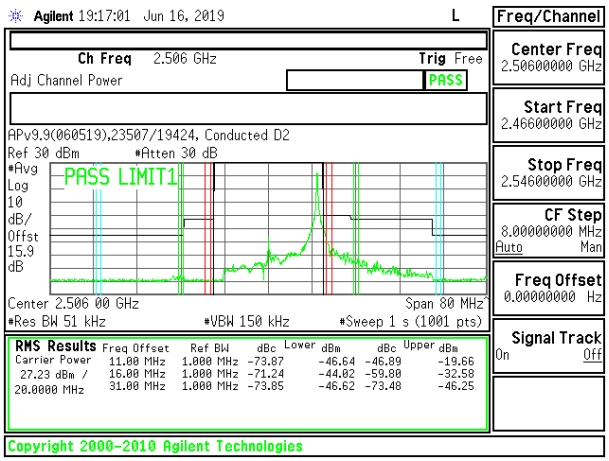
LTE B41 20MHz QPSK Low Channel RB1-0



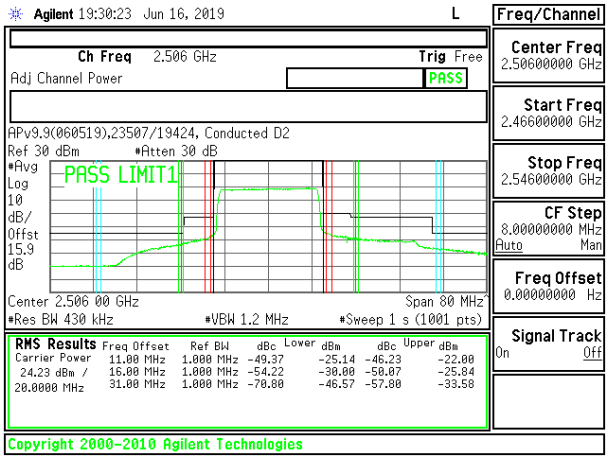
LTE B41 20MHz 16QAM Low Channel RB1-0



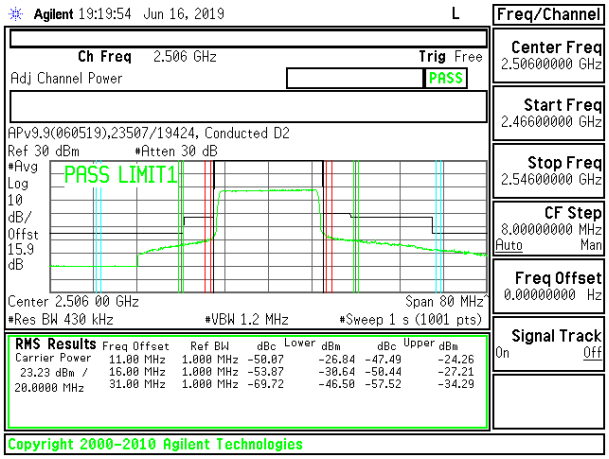
LTE B41 20MHz QPSK Low Channel RB1-99



LTE B41 20MHz 16QAM Low Channel RB1-99

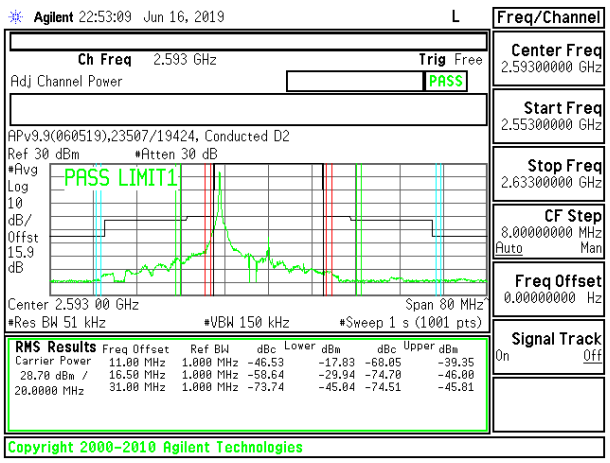


LTE B41 20MHz QPSK Low Channel RB100-0

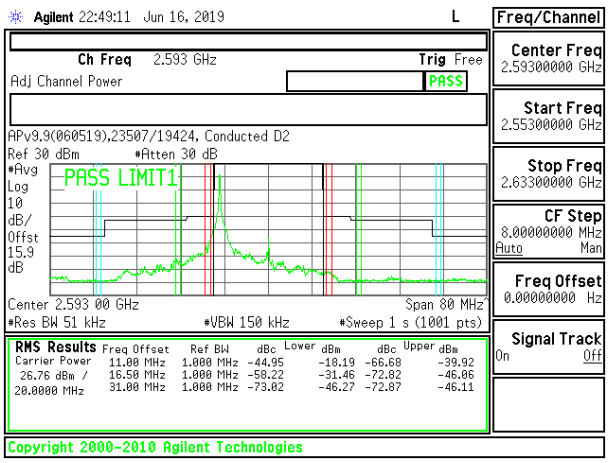


LTE B41 20MHz 16QAM Low Channel RB100-0

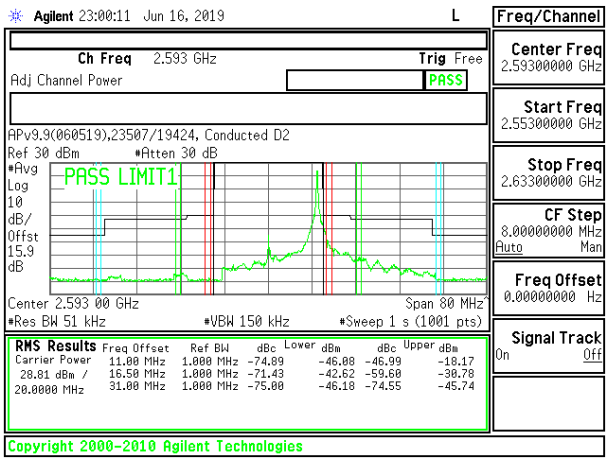
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



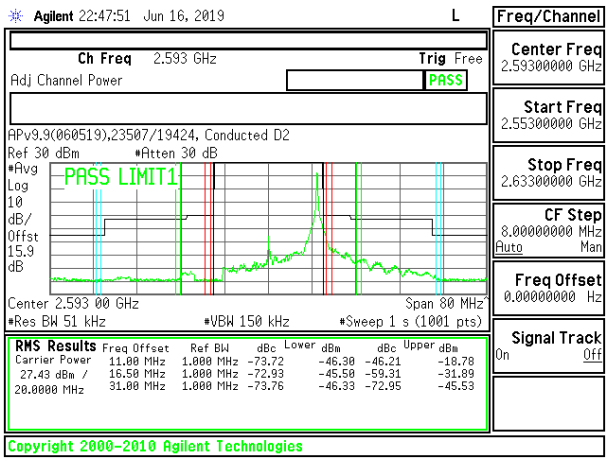
LTE B41 20MHz QPSK Middle Channel RB1-0



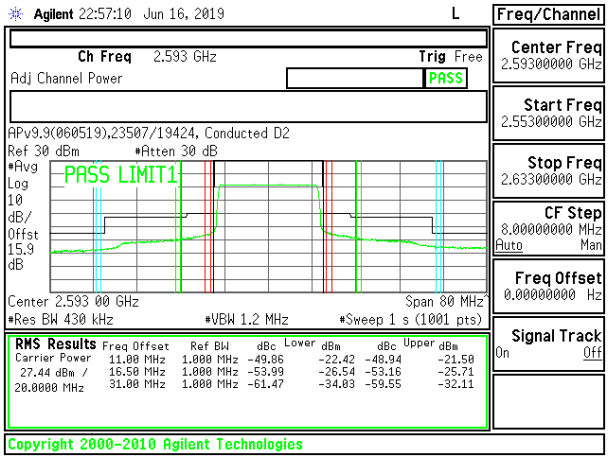
LTE B41 20MHz 16QAM Middle Channel RB1-0



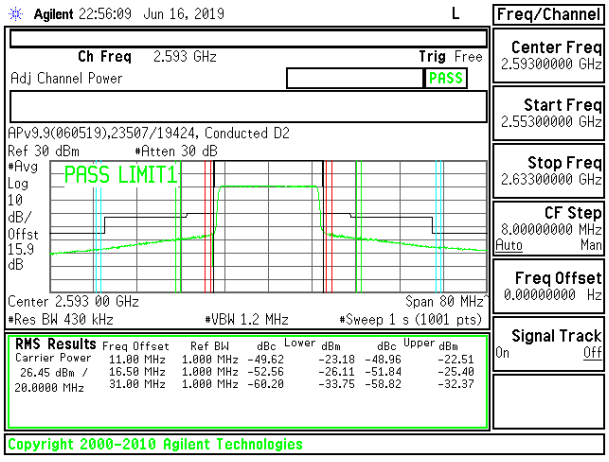
LTE B41 20MHz QPSK Middle Channel RB1-99



LTE B41 20MHz 16QAM Middle Channel RB1-99



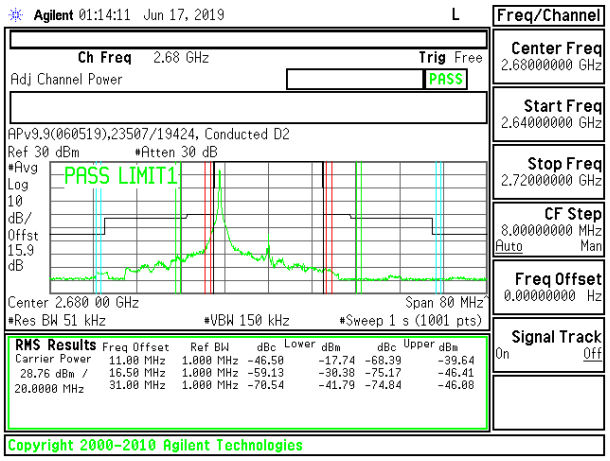
LTE B41 20MHz QPSK Middle Channel RB100-0



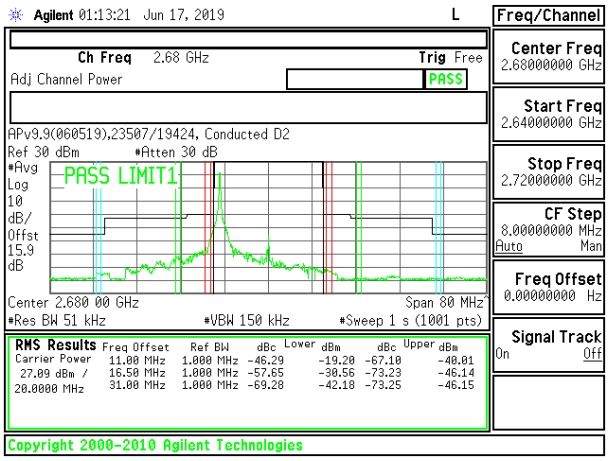
LTE B41 20MHz 16QAM Middle Channel RB100-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

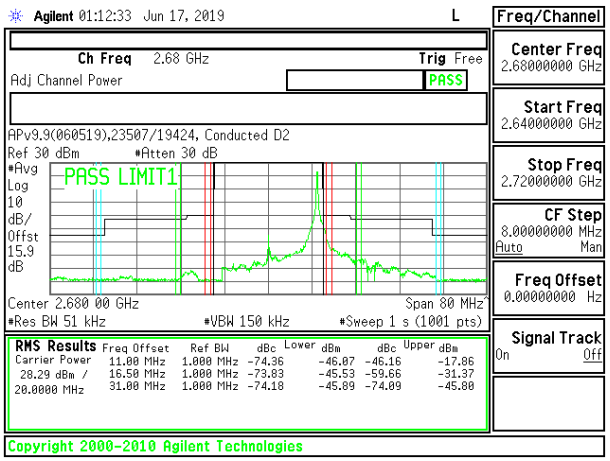
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



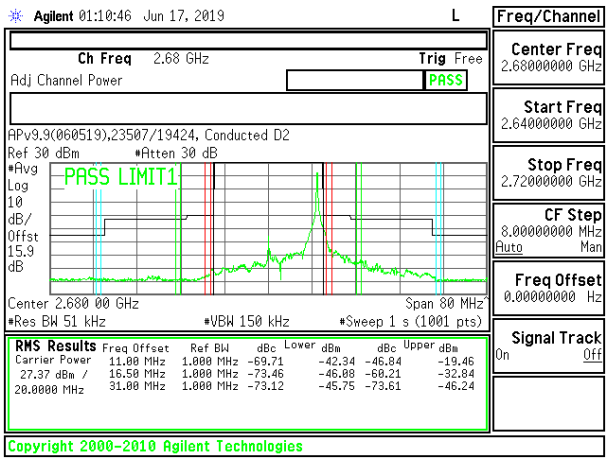
LTE B41 20MHz QPSK High Channel RB1-0



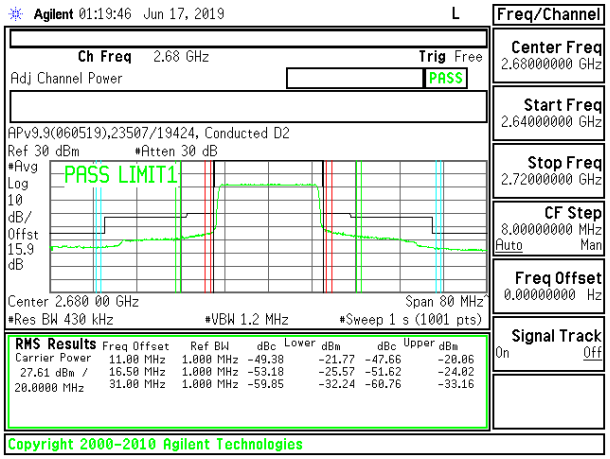
LTE B41 20MHz 16QAM High Channel RB1-0



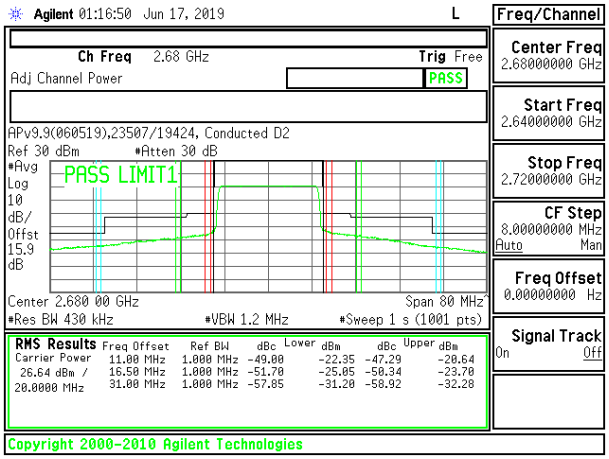
LTE B41 20MHz QPSK High Channel RB1-99



LTE B41 20MHz 16QAM High Channel RB1-99



LTE B41 20MHz QPSK High Channel RB100-0

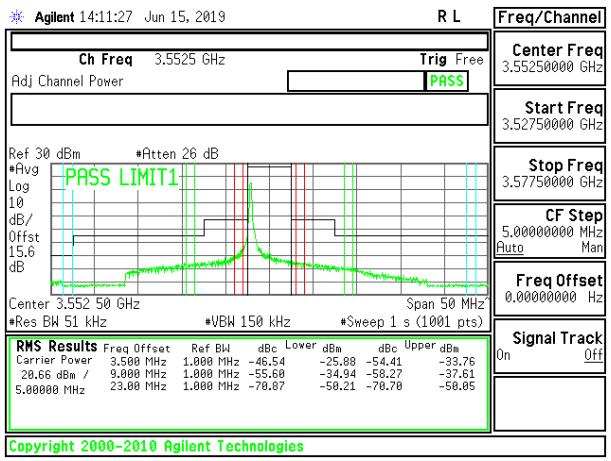


LTE B41 20MHz 16QAM High Channel RB100-0

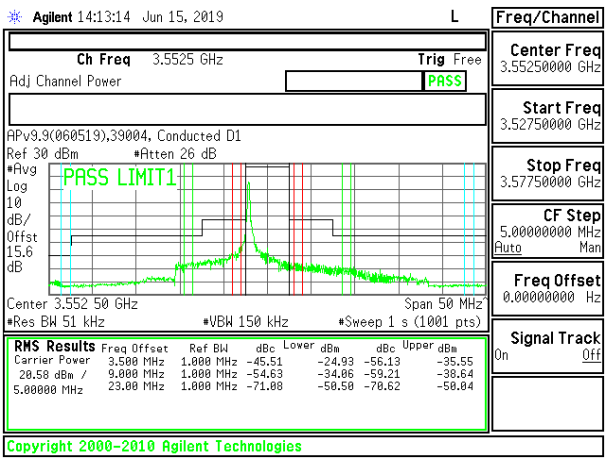
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

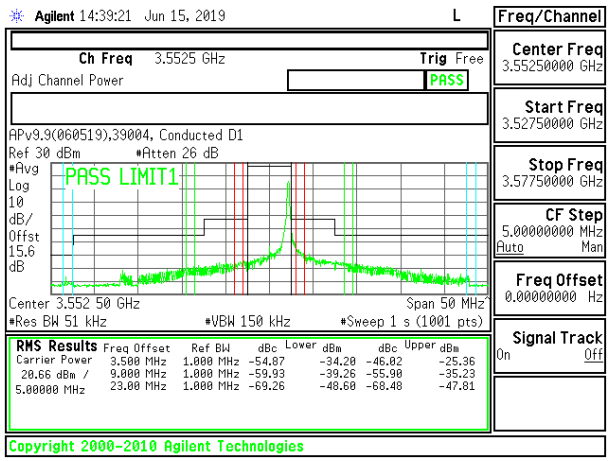
8.2.12. LTE BAND 48 ADJACENT CHANNEL POWER



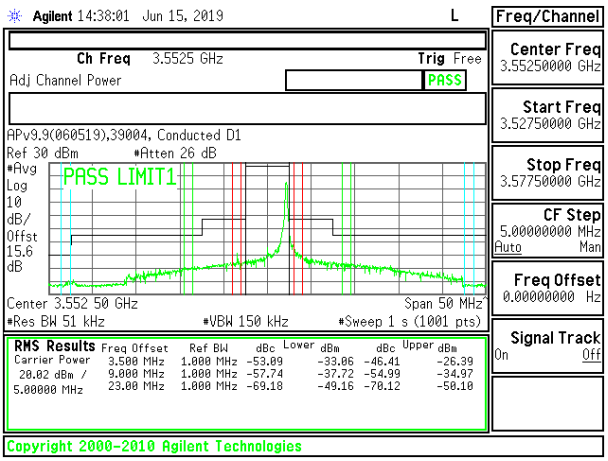
LTE B48 5MHz QPSK Low Channel RB1-0 (ID:39004)



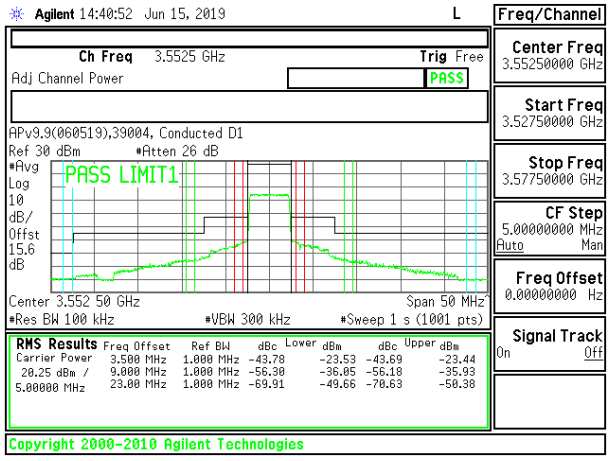
LTE B48 5MHz 16QAM Low Channel RB1-0



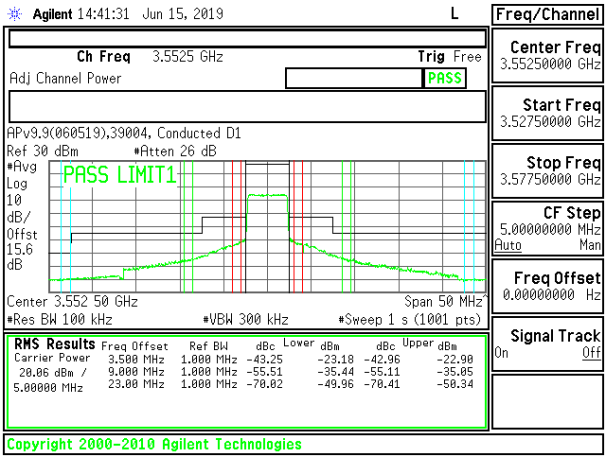
LTE B48 5MHz QPSK Low Channel RB1-24



LTE B48 5MHz 16QAM Low Channel RB1-24

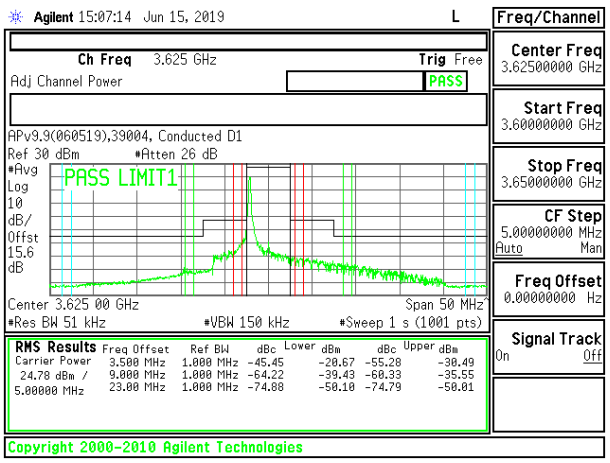


LTE B48 5MHz QPSK Low Channel RB25-0

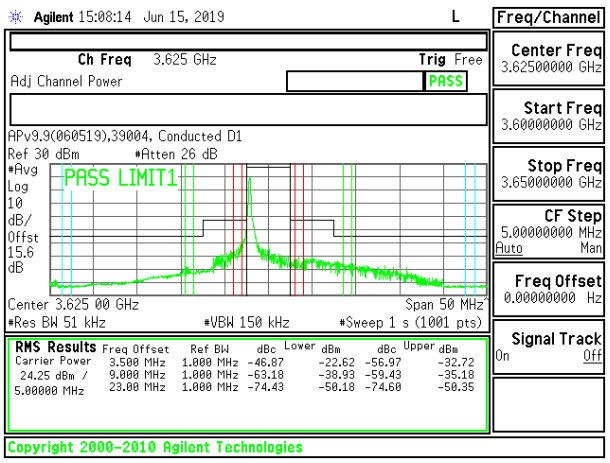


LTE B48 5MHz 16QAM Low Channel RB25-0

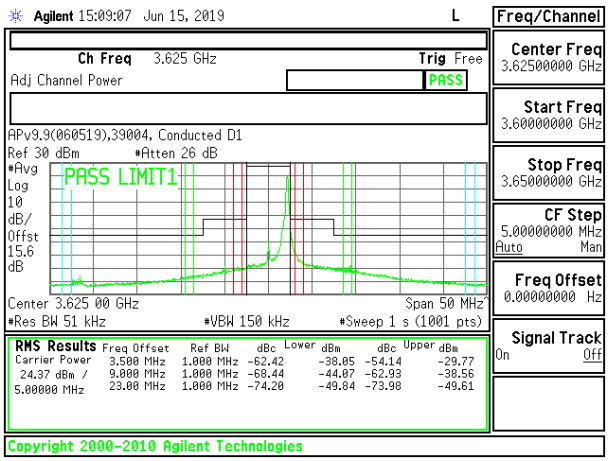
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



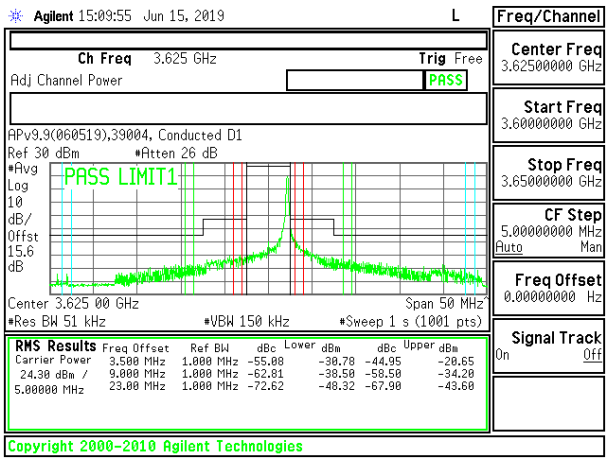
LTE B48 5MHz QPSK Mid Channel RB1-0



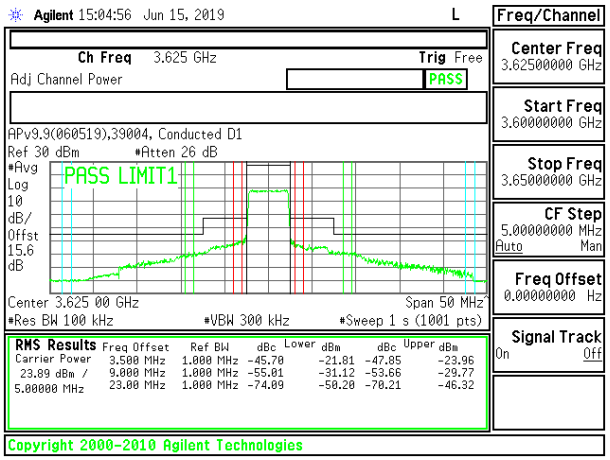
LTE B48 5MHz 16QAM Mid Channel RB1-0



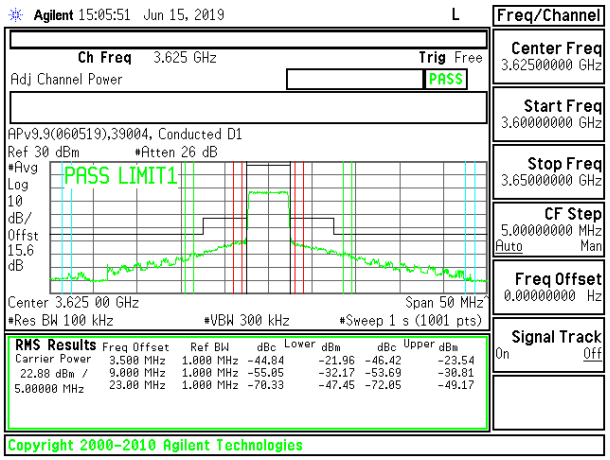
LTE B48 5MHz QPSK Mid Channel RB1-24



LTE B48 5MHz 16QAM Mid Channel RB1-24

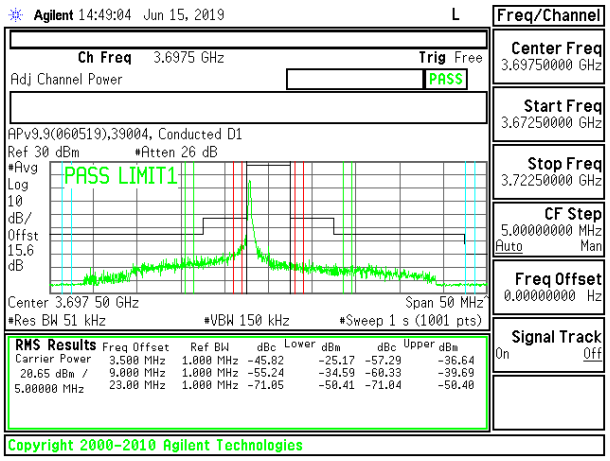


LTE B48 5MHz QPSK Mid Channel RB25-0

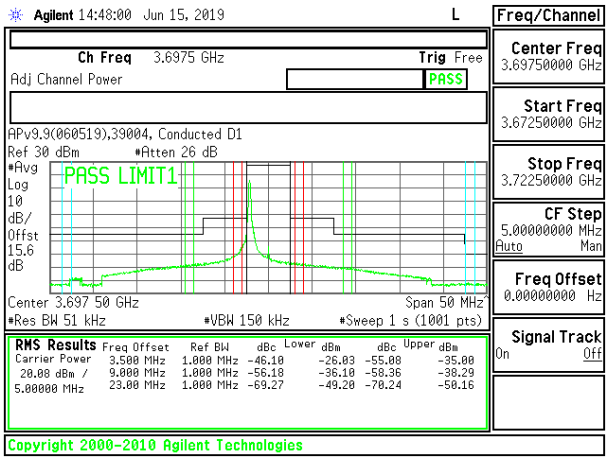


LTE B48 5MHz 16QAM Mid Channel RB25-0

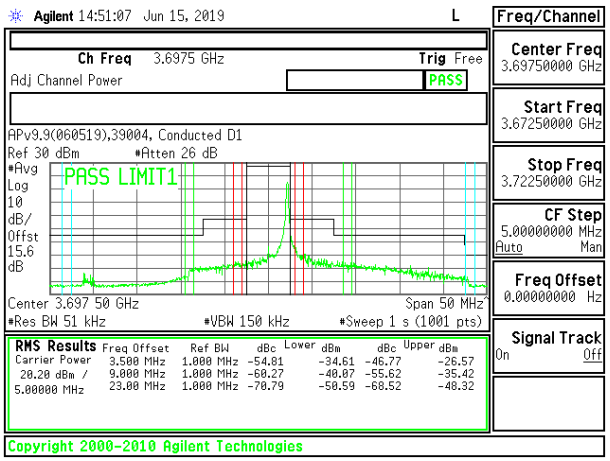
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



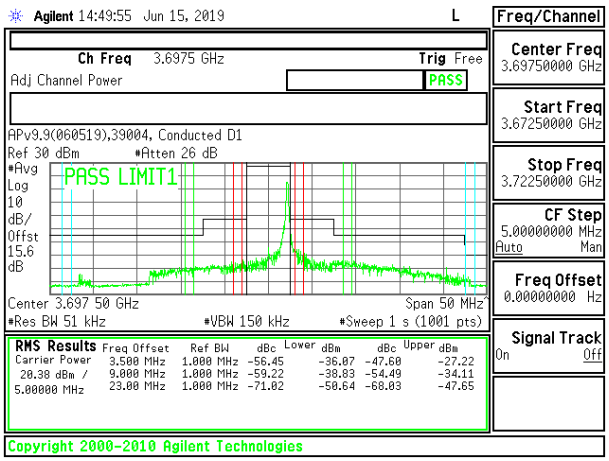
LTE B48 5MHz QPSK High Channel RB1-0



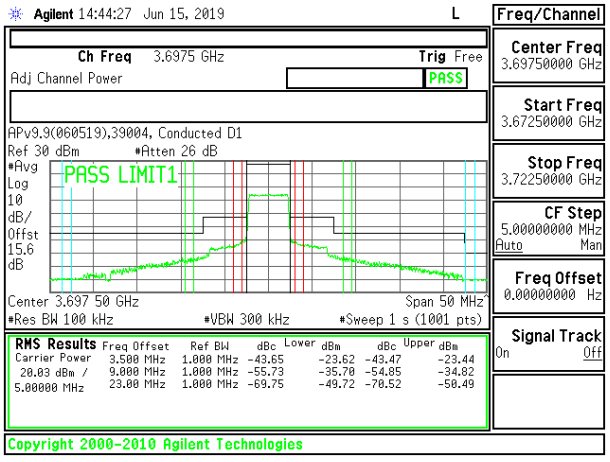
LTE B48 5MHz 16QAM High Channel RB1-0



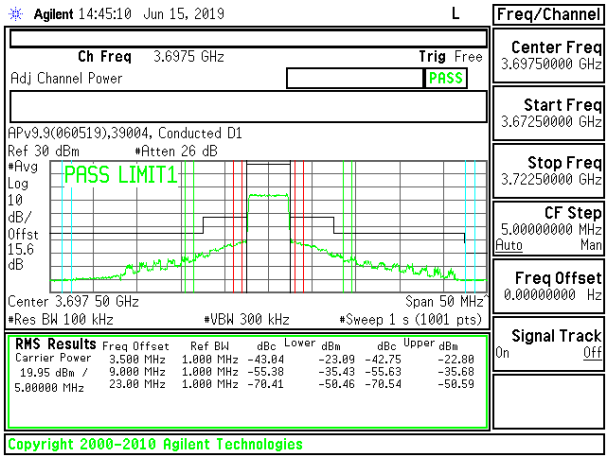
LTE B48 5MHz QPSK High Channel RB1-24



LTE B48 5MHz 16QAM High Channel RB1-24



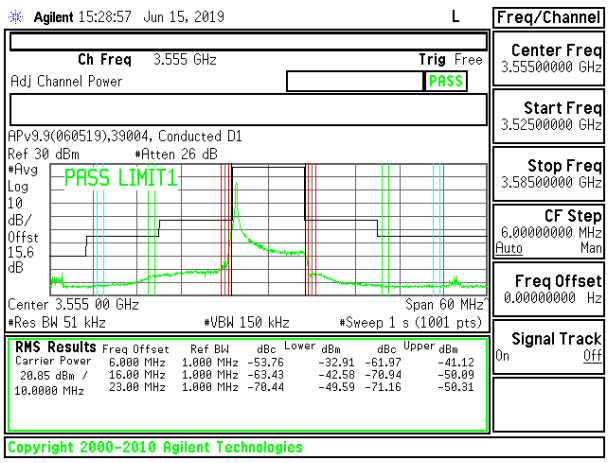
LTE B48 5MHz QPSK High Channel RB25-0



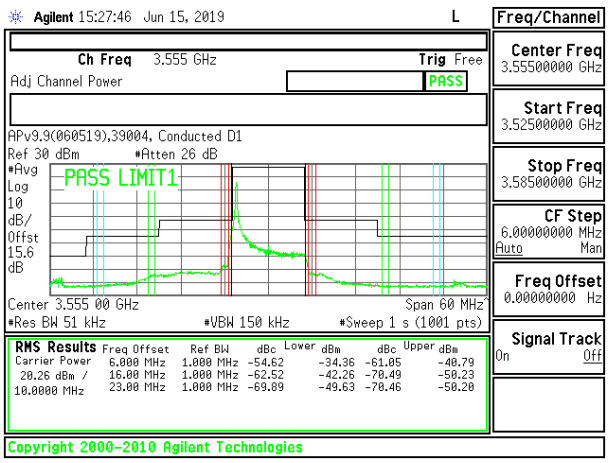
LTE B48 5MHz 16QAM High Channel RB25-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

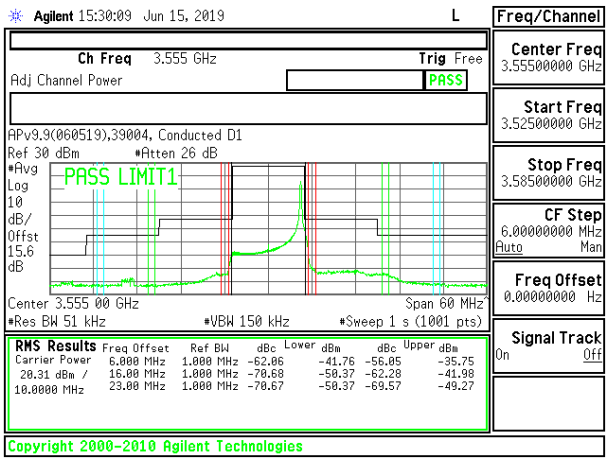
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



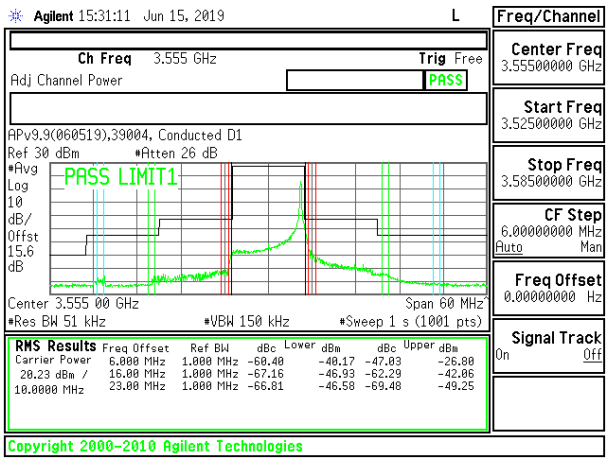
LTE B48 10MHz QPSK Low Channel RB1-0



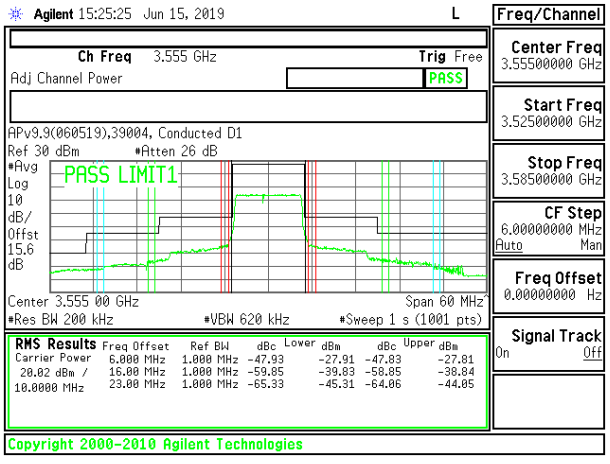
LTE B48 10MHz 16QAM Low Channel RB1-0



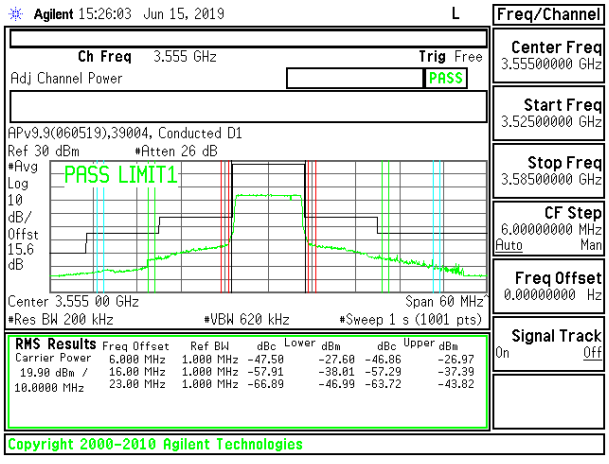
LTE B48 10MHz QPSK Low Channel RB1-49



LTE B48 10MHz 16QAM Low Channel RB1-49

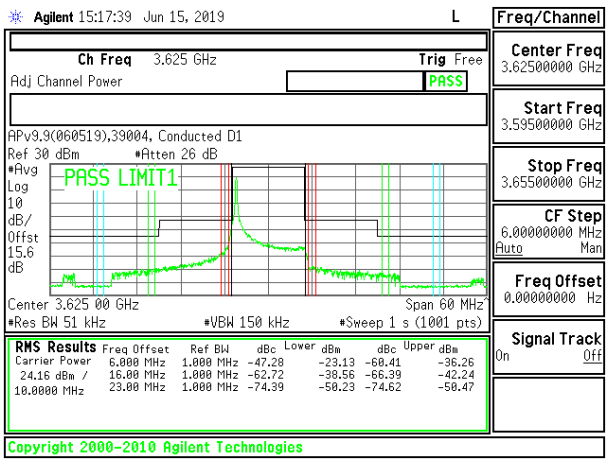


LTE B48 10MHz QPSK Low Channel RB50-0

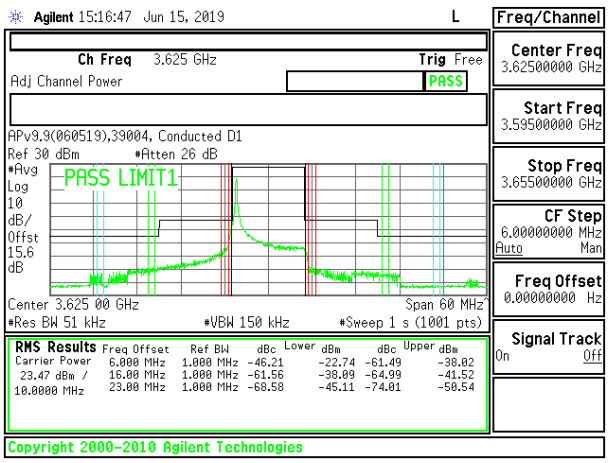


LTE B48 10MHz 16QAM Low Channel RB50-0

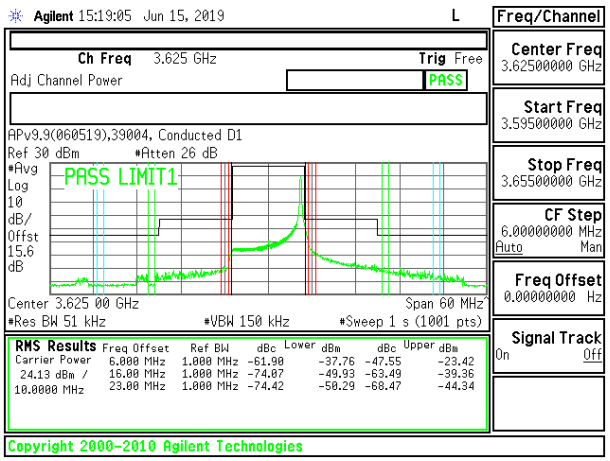
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



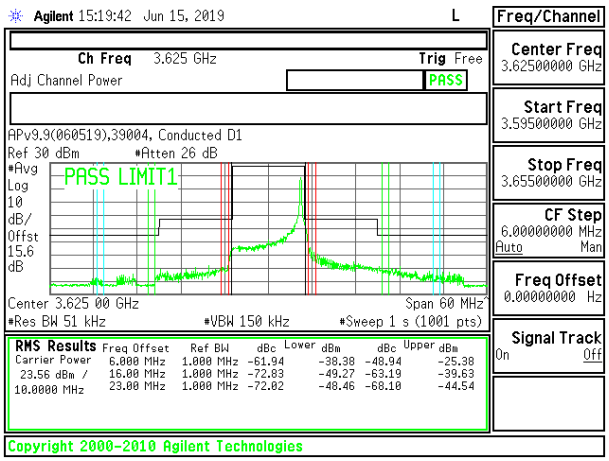
LTE B48 10MHz QPSK Mid Channel RB1-0



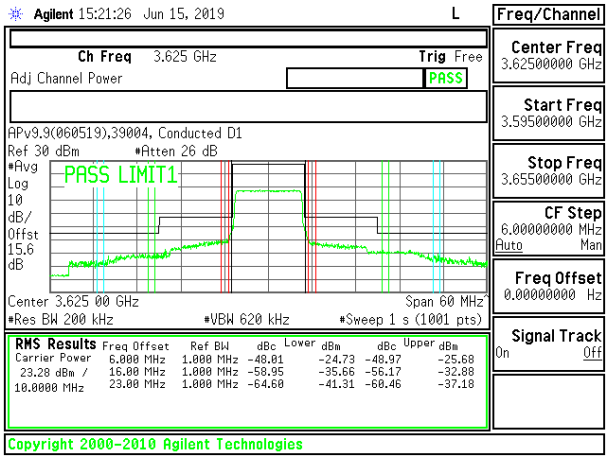
LTE B48 10MHz 16QAM Mid Channel RB1-0



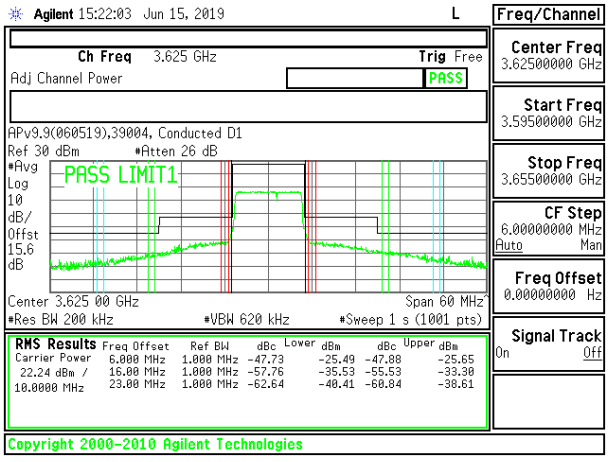
LTE B48 10MHz QPSK Mid Channel RB1-49



LTE B48 10MHz 16QAM Mid Channel RB1-49

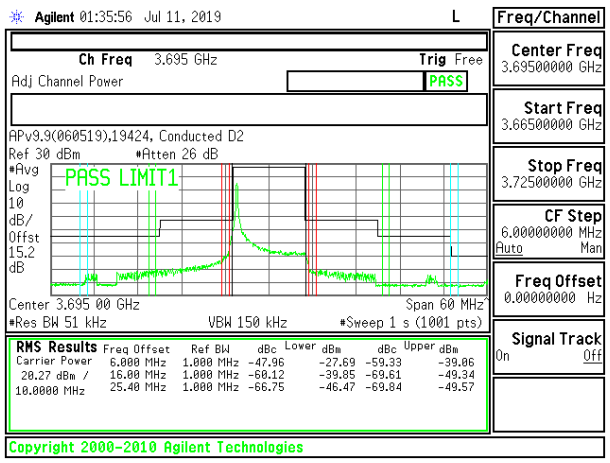


LTE B48 10MHz QPSK Mid Channel RB50-0

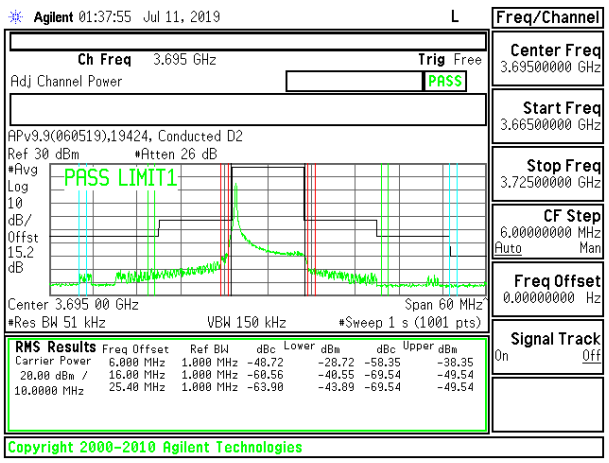


LTE B48 10MHz 16QAM Mid Channel RB50-0

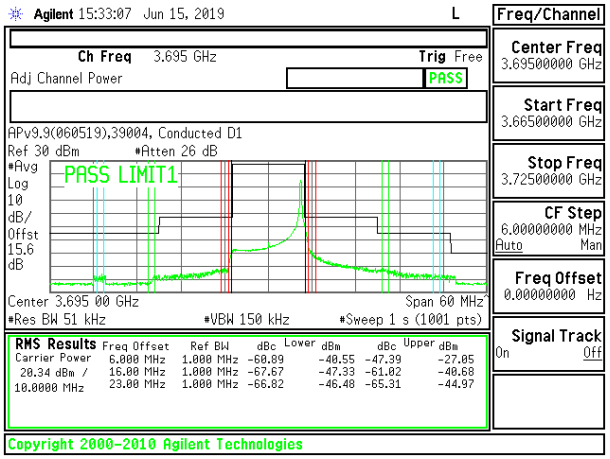
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



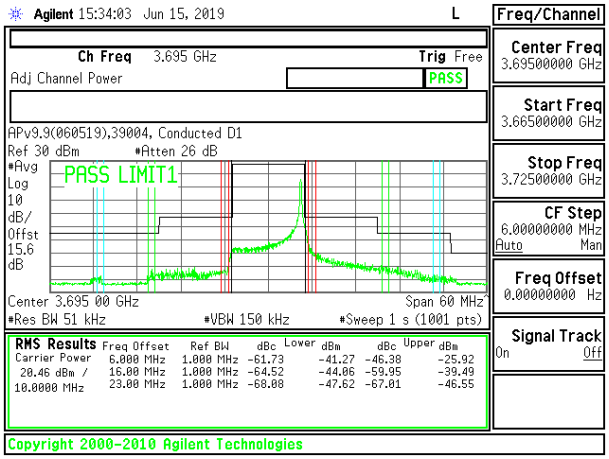
LTE B48 10MHz QPSK High Channel RB1-0



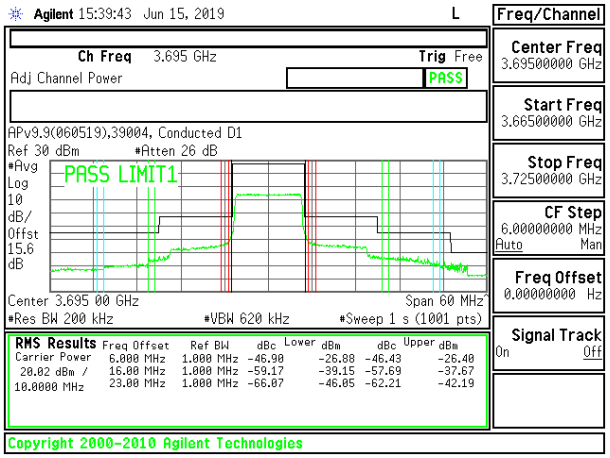
LTE B48 10MHz 16QAM High Channel RB1-0



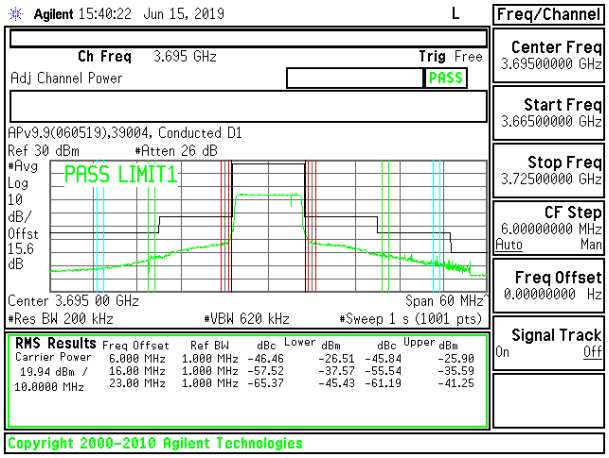
LTE B48 10MHz QPSK High Channel RB1-49



LTE B48 10MHz 16QAM High Channel RB1-49

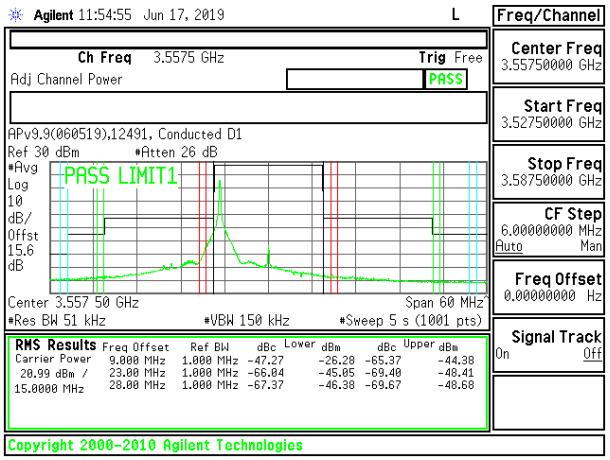


LTE B48 10MHz QPSK High Channel RB50-0

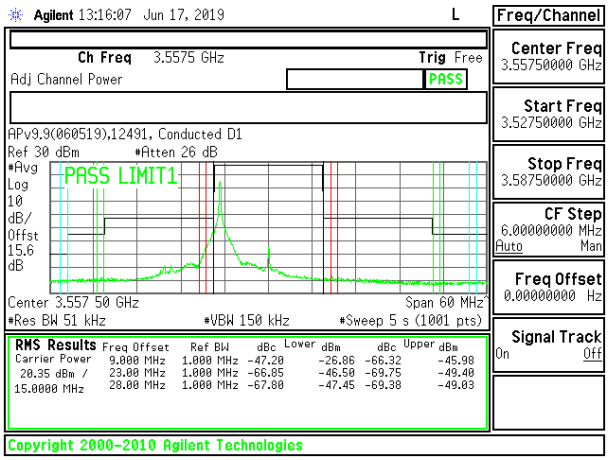


LTE B48 10MHz 16QAM High Channel RB50-0

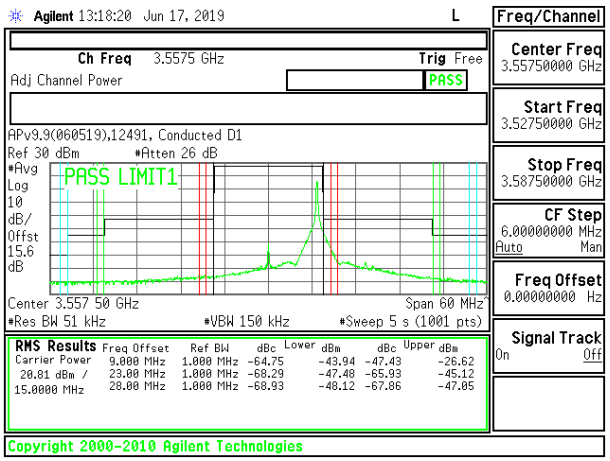
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



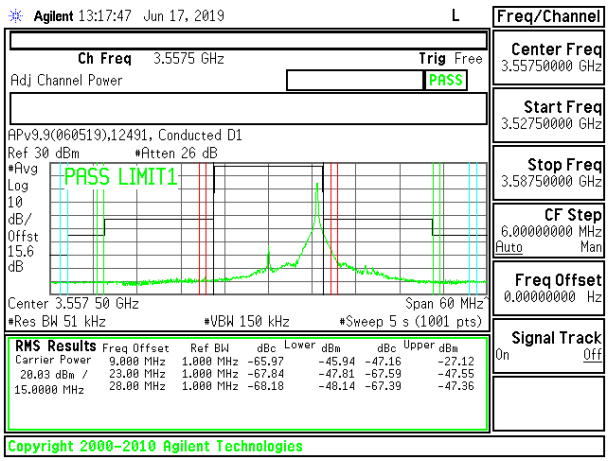
LTE B48 15MHz QPSK Low Channel RB1-0



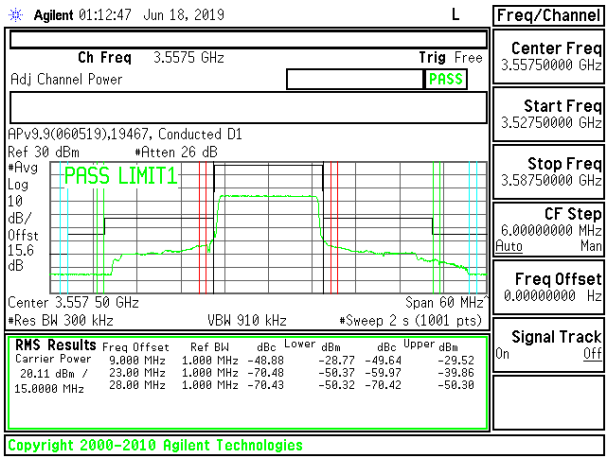
LTE B48 15MHz 16QAM Low Channel RB1-0



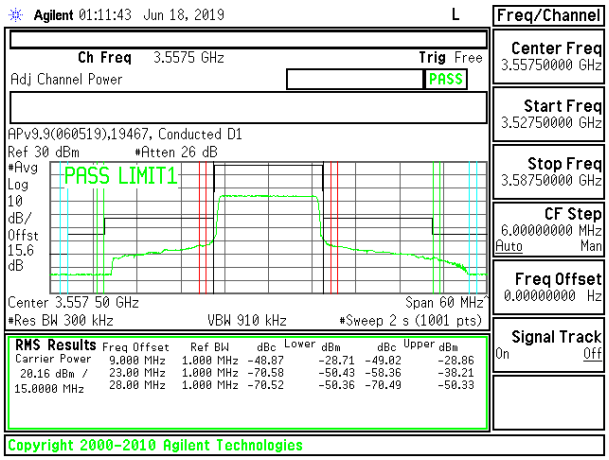
LTE B48 15MHz QPSK Low Channel RB1-74



LTE B48 15MHz 16QAM Low Channel RB1-74

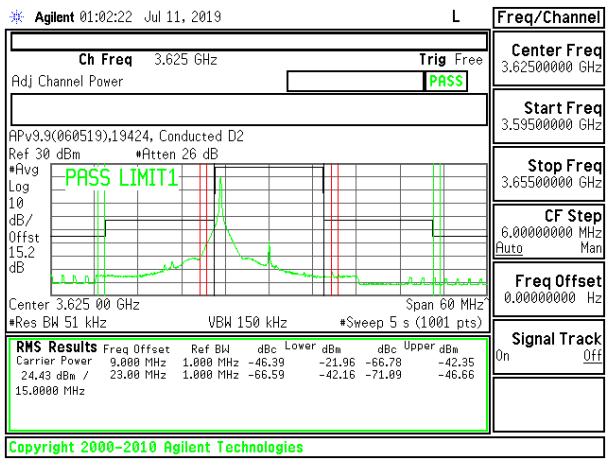


LTE B48 15MHz QPSK Low Channel RB75-0

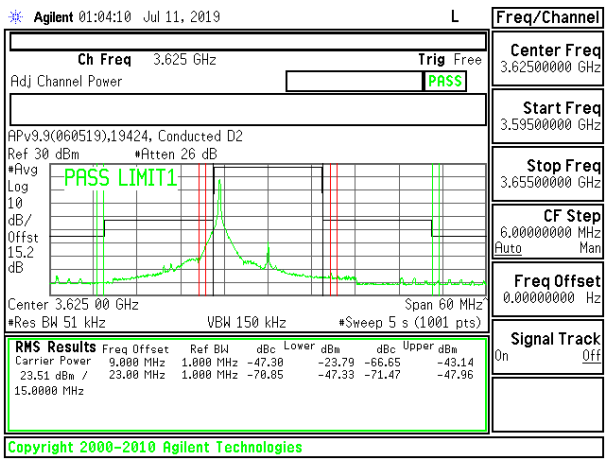


LTE B48 15MHz 16QAM Low Channel RB75-0

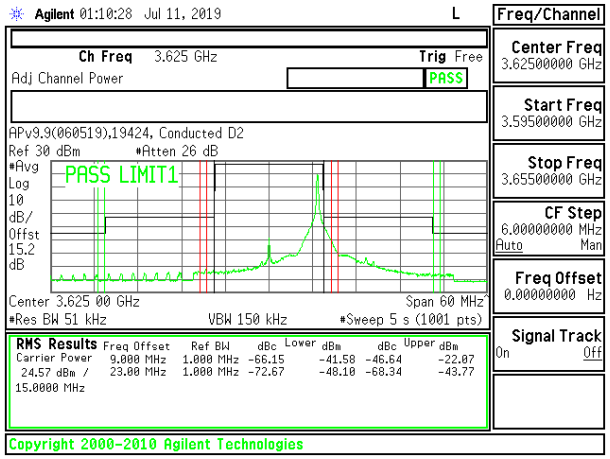
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



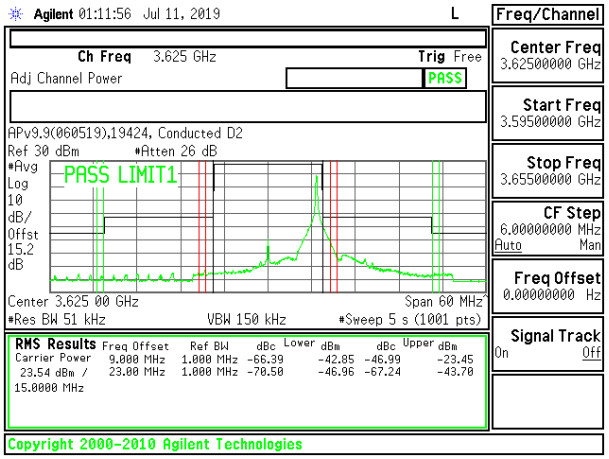
LTE B48 15MHz QPSK Mid Channel RB1-0



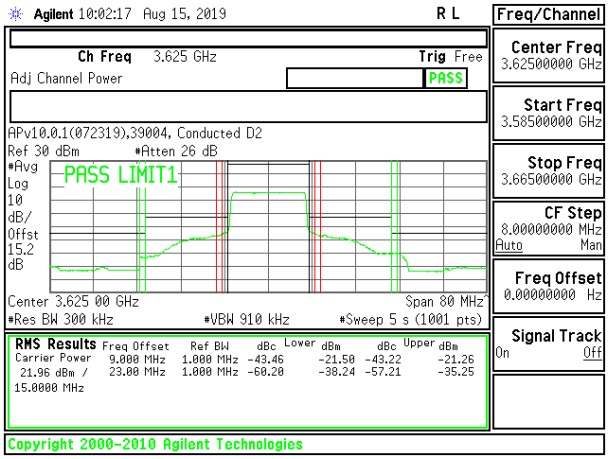
LTE B48 15MHz 16QAM Mid Channel RB1-0



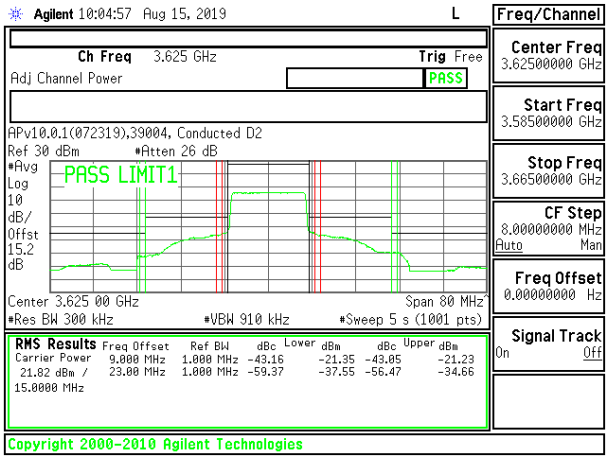
LTE B48 15MHz QPSK Mid Channel RB1-74



LTE B48 15MHz 16QAM Mid Channel RB1-74



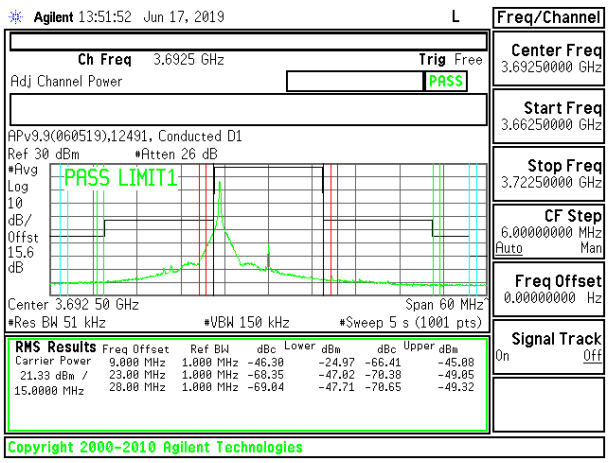
LTE B48 15MHz QPSK Mid Channel RB75-0



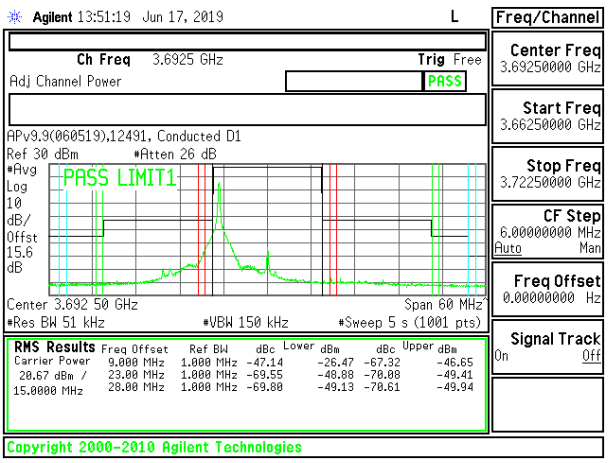
LTE B48 15MHz 16QAM Mid Channel RB75-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

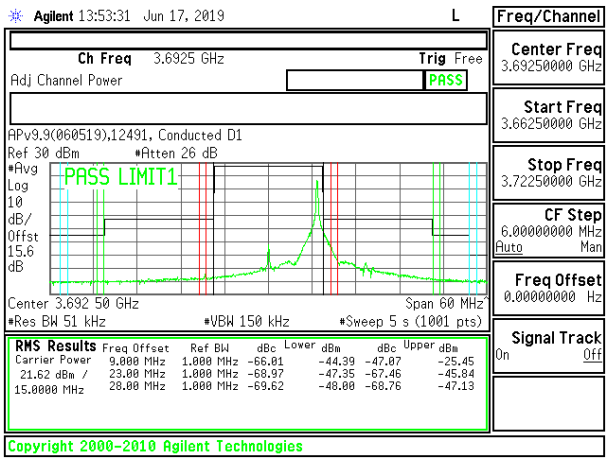
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



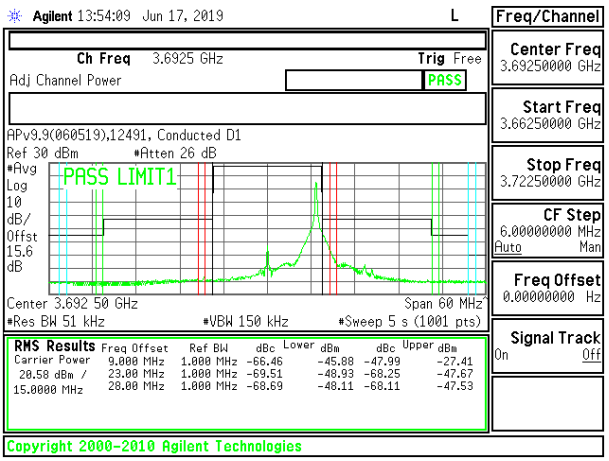
LTE B48 15MHz QPSK High Channel RB1-0



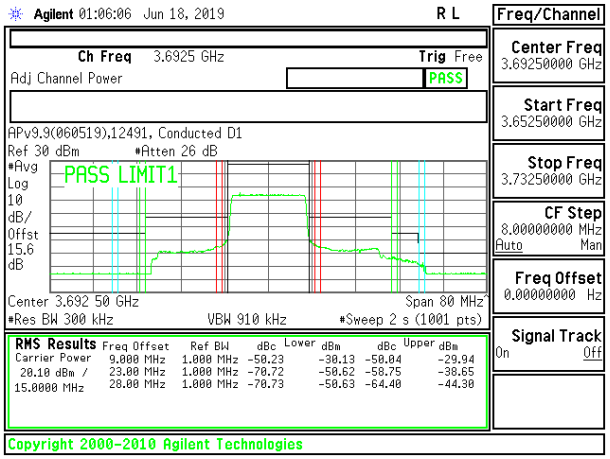
LTE B48 15MHz 16QAM High Channel RB1-0



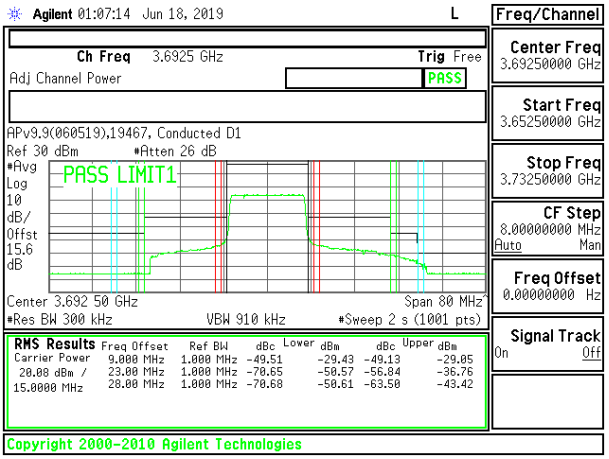
LTE B48 15MHz QPSK High Channel RB1-74



LTE B48 15MHz 16QAM High Channel RB1-74



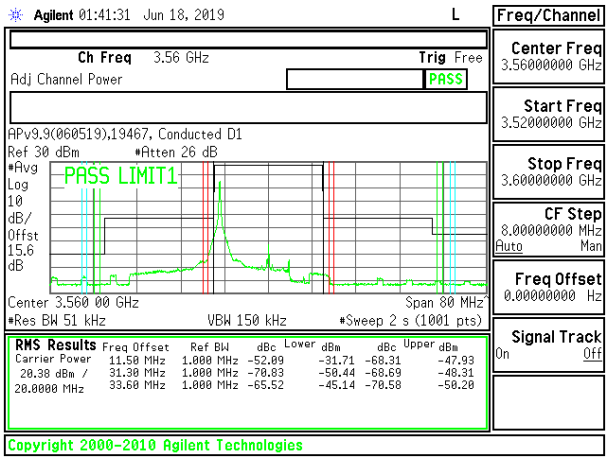
LTE B48 15MHz QPSK High Channel RB75-0



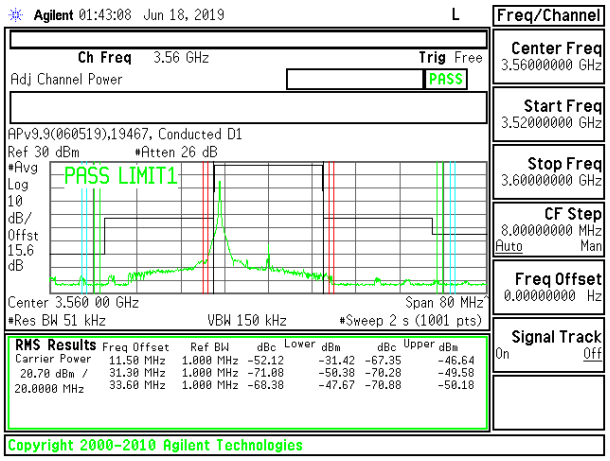
LTE B48 15MHz 16QAM High Channel RB75-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

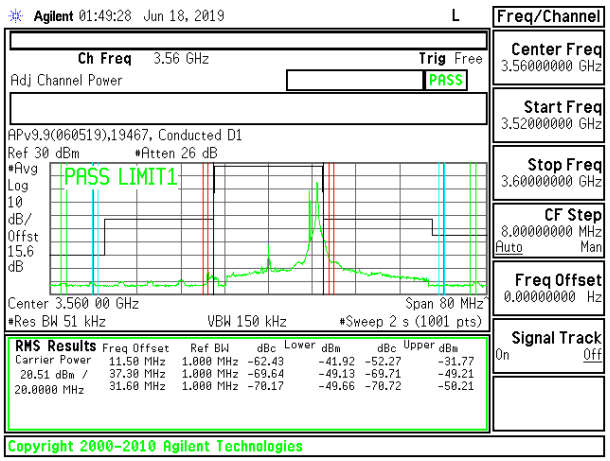
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



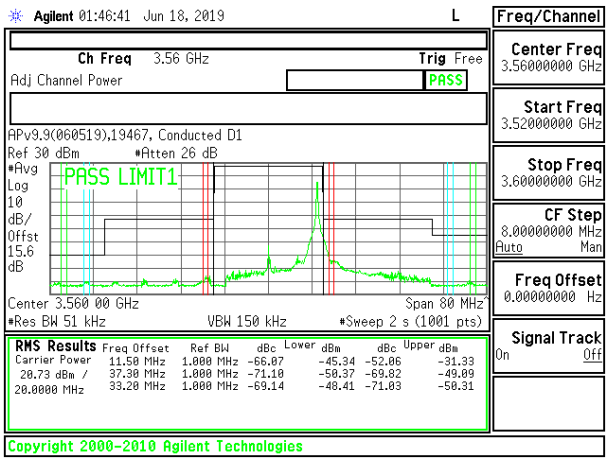
LTE B48 20MHz QPSK Low Channel RB1-0



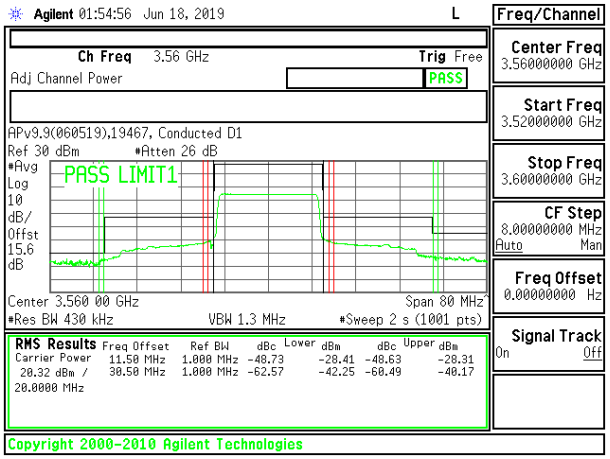
LTE B48 20MHz 16QAM Low Channel RB1-0



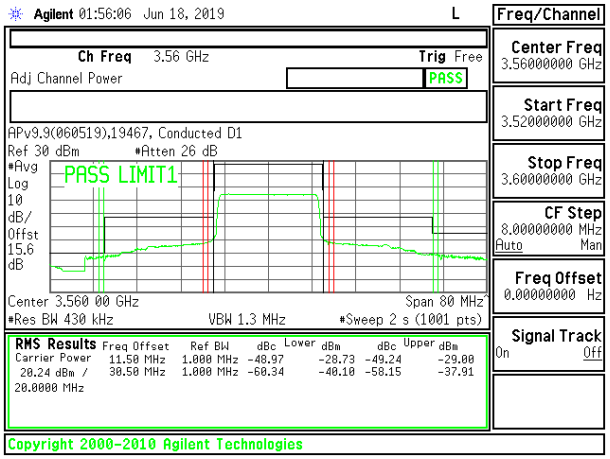
LTE B48 20MHz QPSK Low Channel RB1-99



LTE B48 20MHz 16QAM Low Channel RB1-99

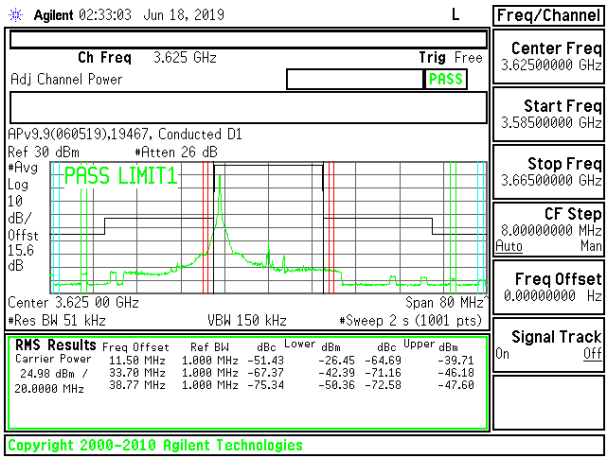


LTE B48 20MHz QPSK Low Channel RB100-0

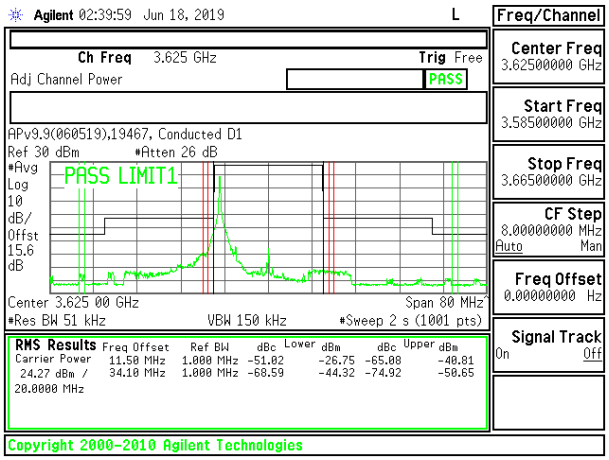


LTE B48 20MHz 16QAM Low Channel RB100-0

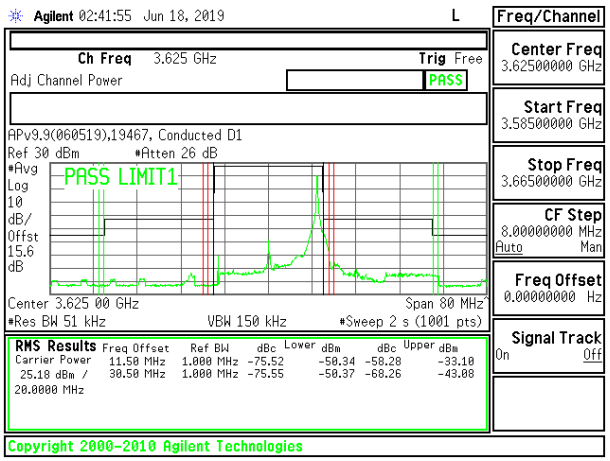
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



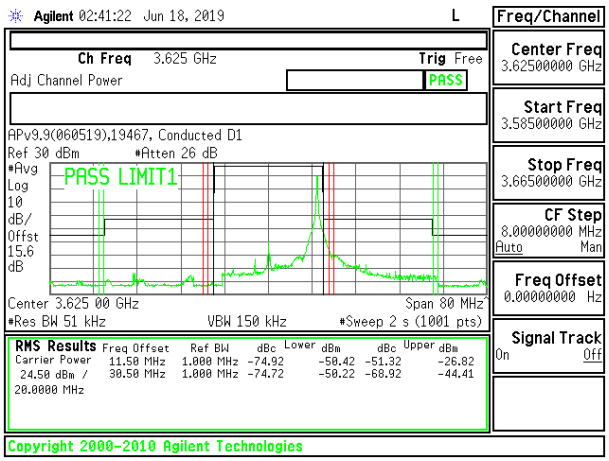
LTE B48 20MHz QPSK Mid Channel RB1-0



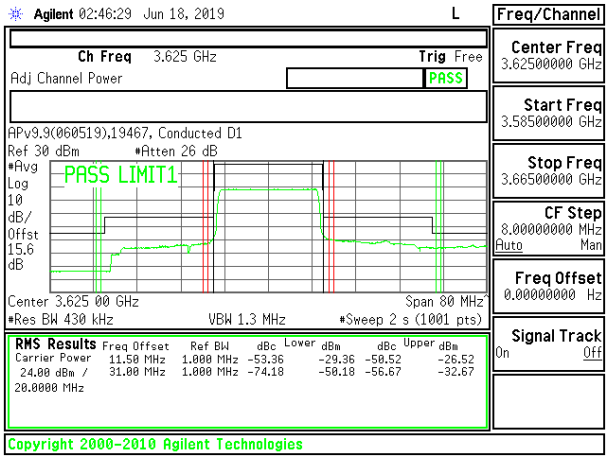
LTE B48 20MHz 16QAM Mid Channel RB1-0



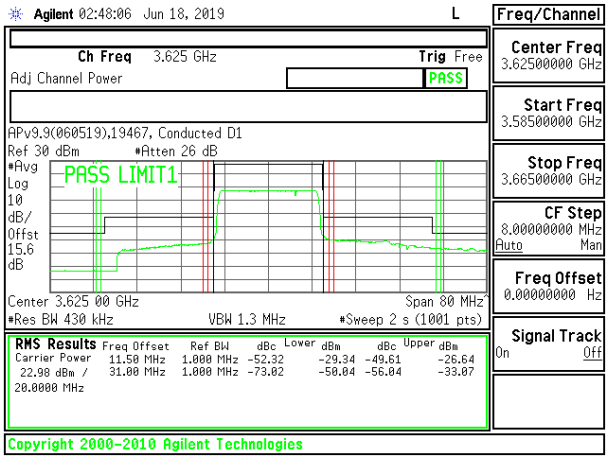
LTE B48 20MHz QPSK Mid Channel RB1-99



LTE B48 20MHz 16QAM Mid Channel RB1-99

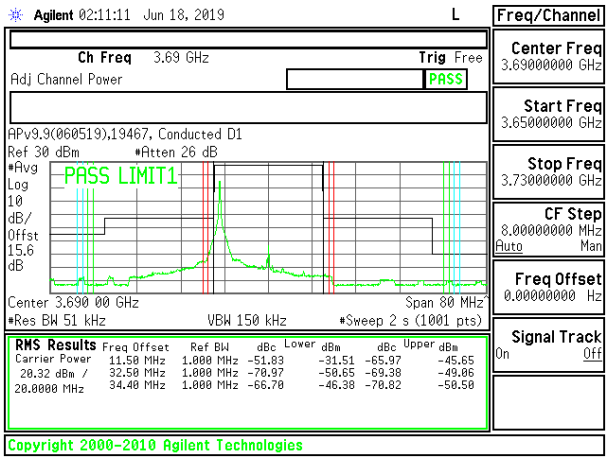


LTE B48 20MHz QPSK Mid Channel RB100-0

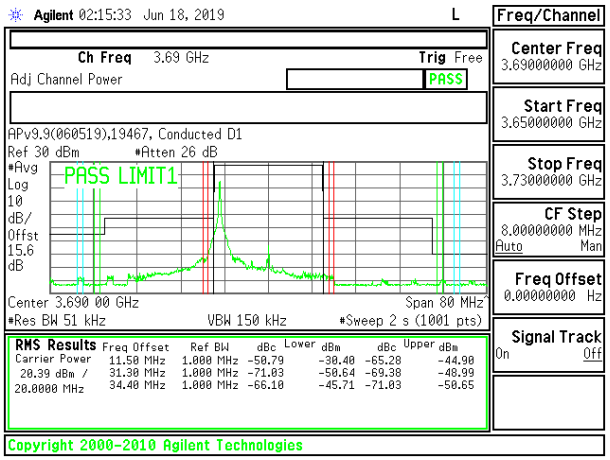


LTE B48 20MHz 16QAM Mid Channel RB100-0

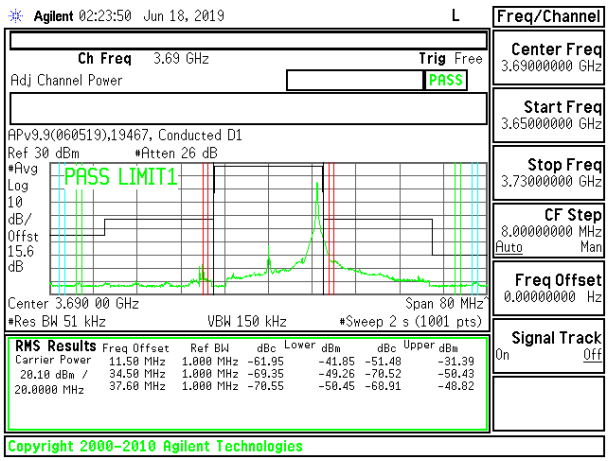
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



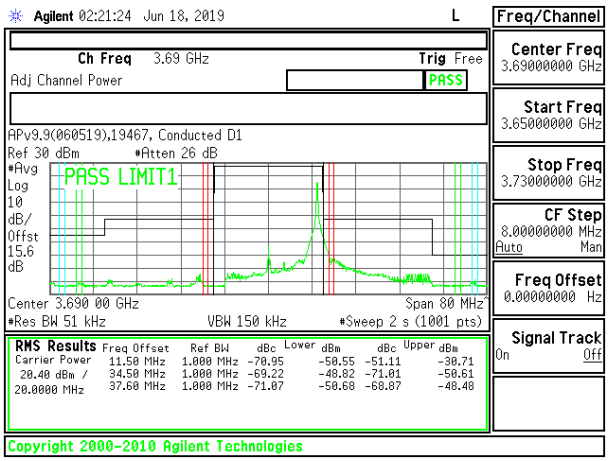
LTE B48 20MHz QPSK High Channel RB1-0



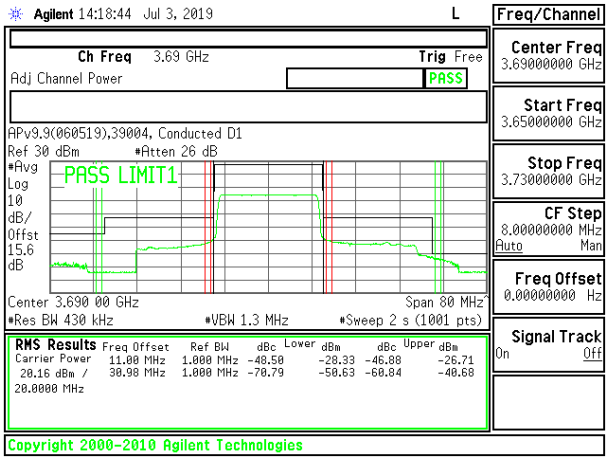
LTE B48 20MHz 16QAM High Channel RB1-0



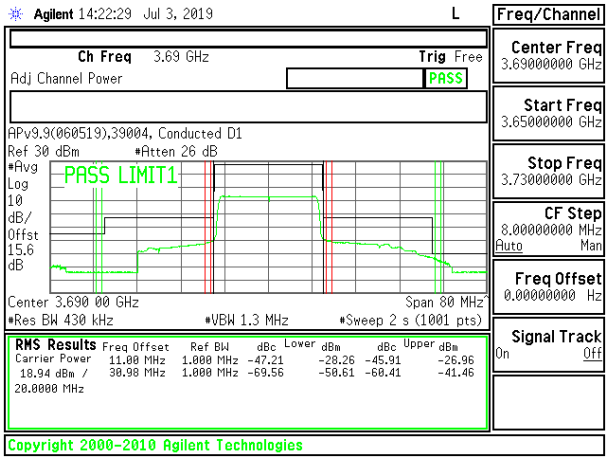
LTE B48 20MHz QPSK High Channel RB1-99



LTE B48 20MHz 16QAM High Channel RB1-99



LTE B48 20MHz QPSK High Channel RB100-0



LTE B48 20MHz 16QAM High Channel RB100-0

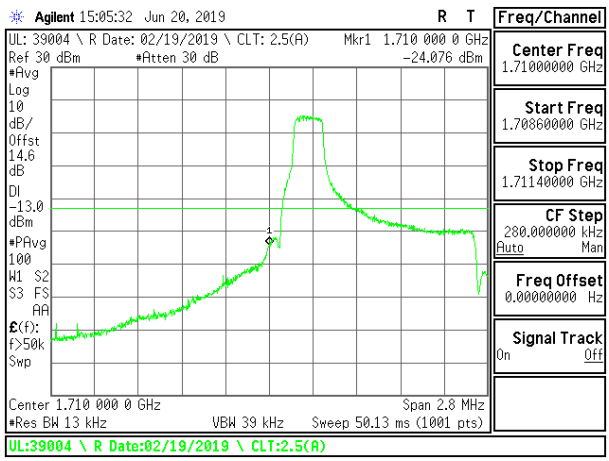
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

Worst Case ACLR

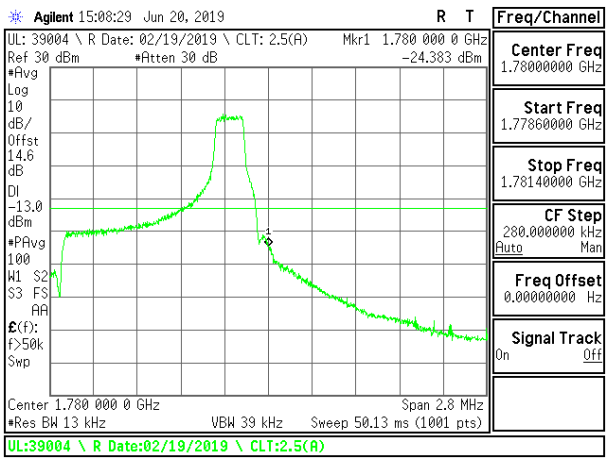
Bandwidth (MHz)	Channel	Modulation	RB	ACLR (dBc)
5	High	16QAM	25-0	-32.75
10	High	16QAM	50-0	-35.84
15	Middle	16QAM	75-0	-30.04
20	High	16QAM	100-0	-32.90

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

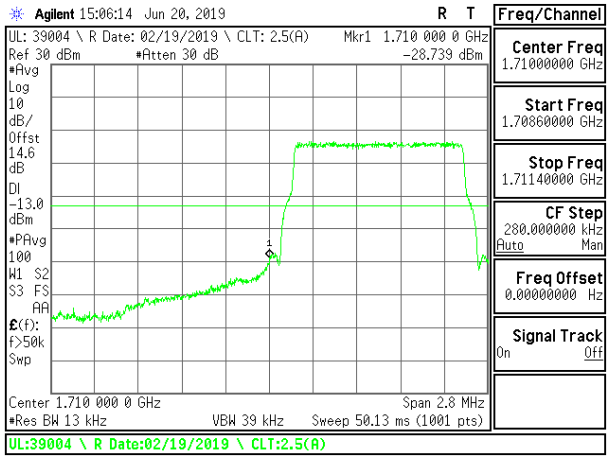
8.2.13. LTE BAND 66 BANDEDGE



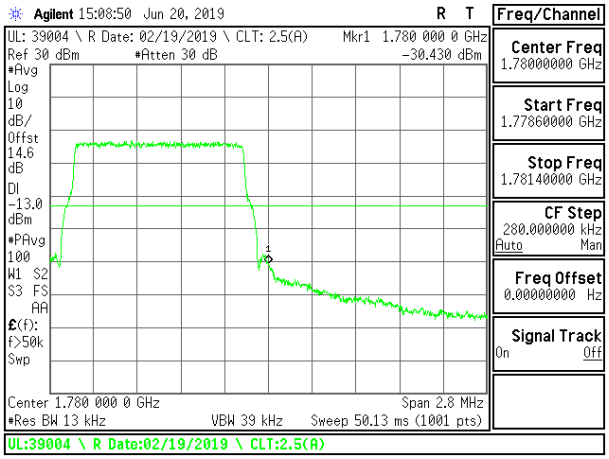
LTE B66 1.4MHz QPSK Low Channel RB1-0



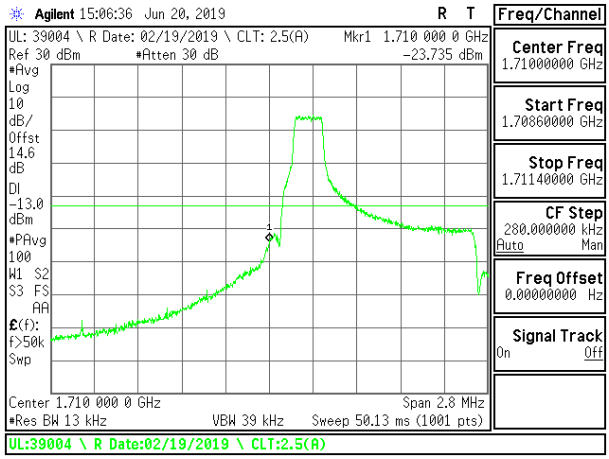
LTE B66 1.4MHz QPSK High Channel RB1-5



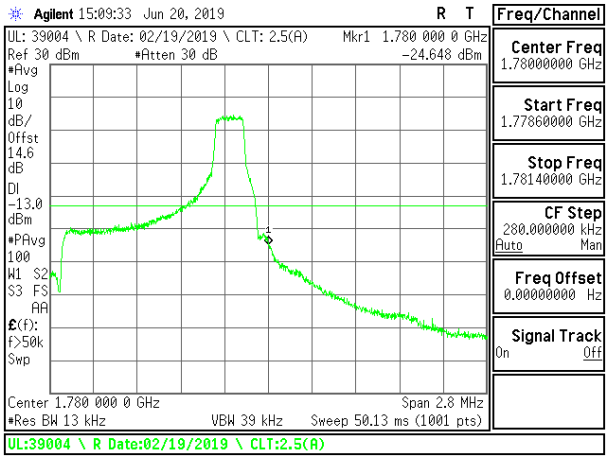
LTE B66 1.4MHz QPSK Low Channel RB6-0



LTE B66 1.4MHz QPSK High Channel RB6-0

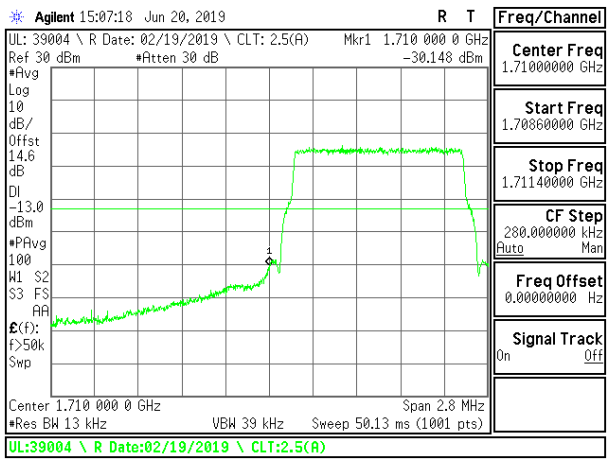


LTE B66 1.4MHz 16QAM Low Channel RB1-0

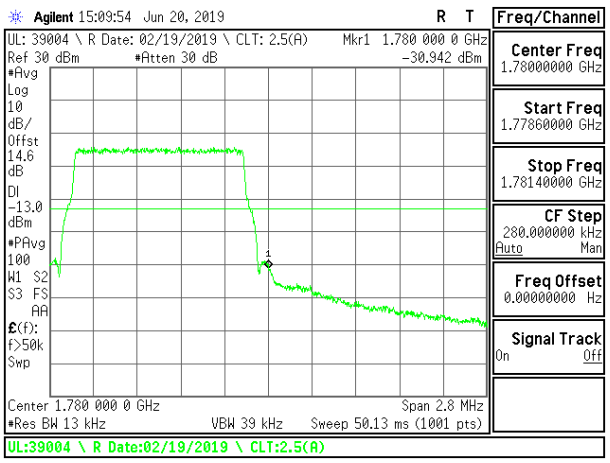


LTE B66 1.4MHz 16QAM High Channel RB1-5

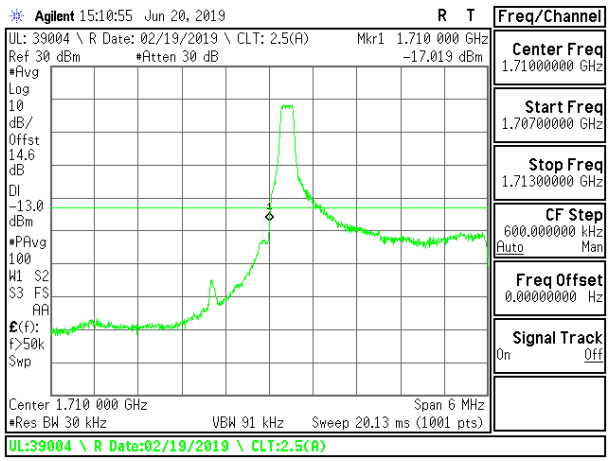
UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



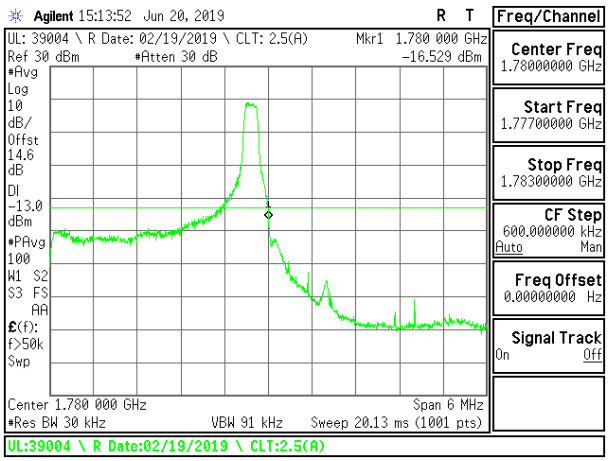
LTE B66 1.4MHz 16QAM Low Channel RB6-0



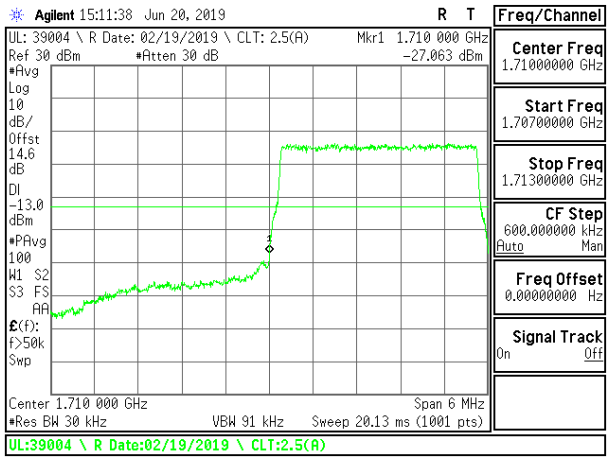
LTE B66 1.4MHz 16QAM High Channel RB6-0



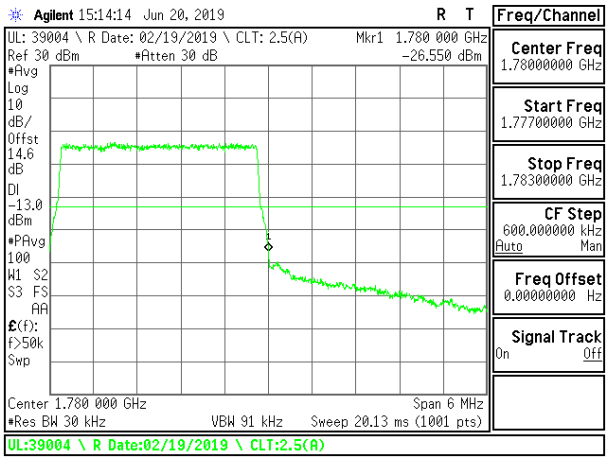
LTE B66 3MHz QPSK Low Channel RB1-0



LTE B66 3MHz QPSK High Channel RB1-14



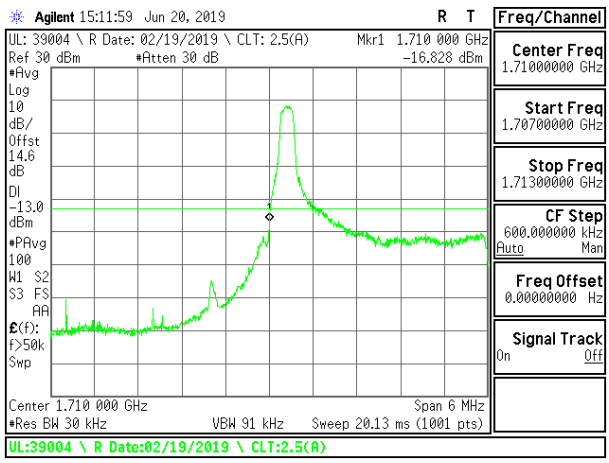
LTE B66 3MHz QPSK Low Channel RB15-0



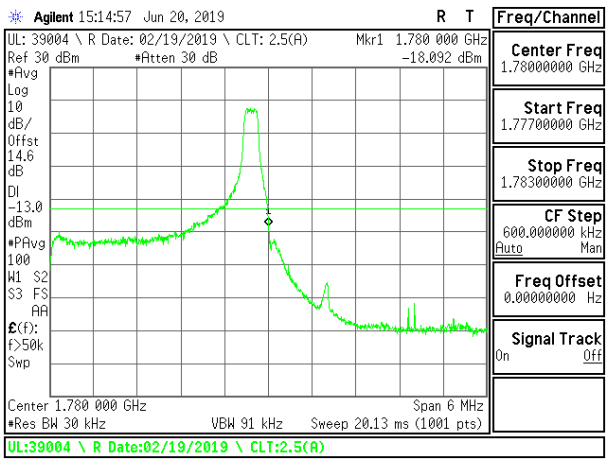
LTE B66 3MHz QPSK High Channel RB15-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

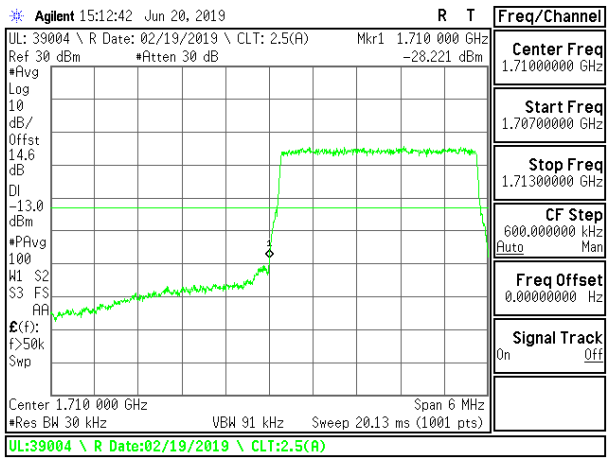
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



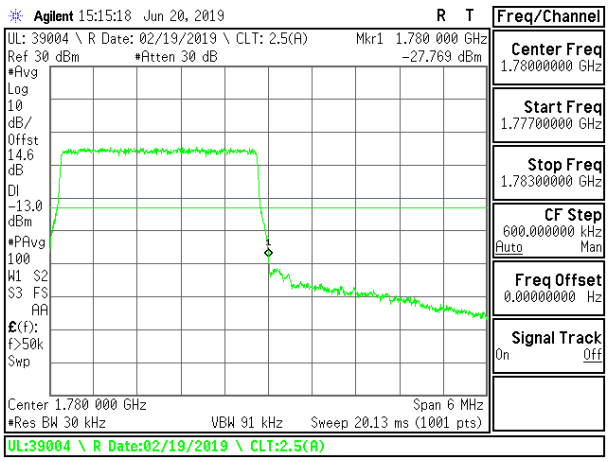
LTE B66 3MHz 16QAM Low Channel RB1-0



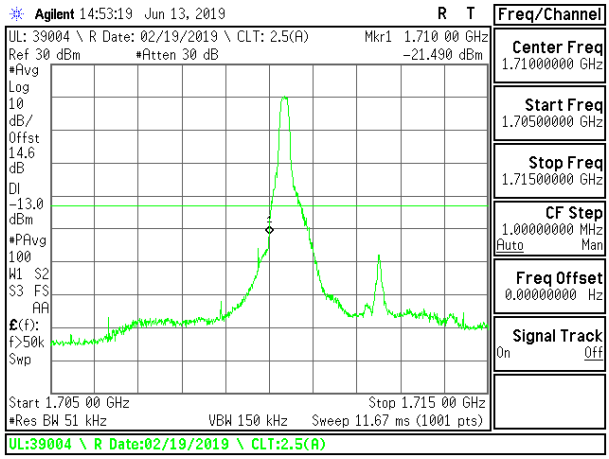
LTE B66 3MHz 16QAM High Channel RB1-14



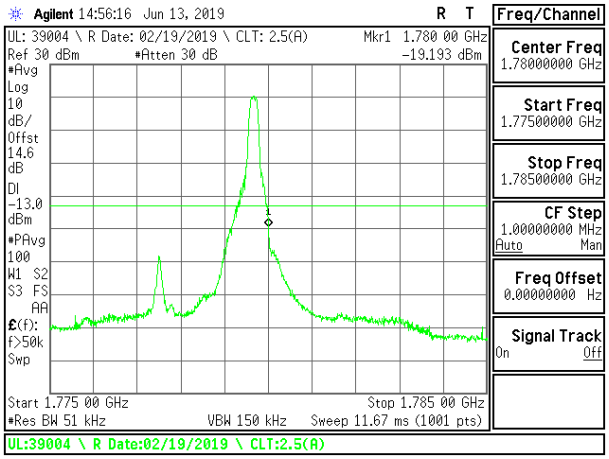
LTE B66 3MHz 16QAM Low Channel RB15-0



LTE B66 3MHz 16QAM High Channel RB15-0



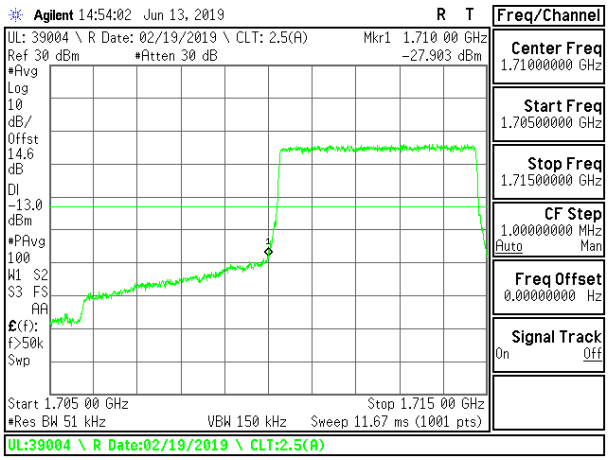
LTE B66 5MHz QPSK Low Channel RB1-0



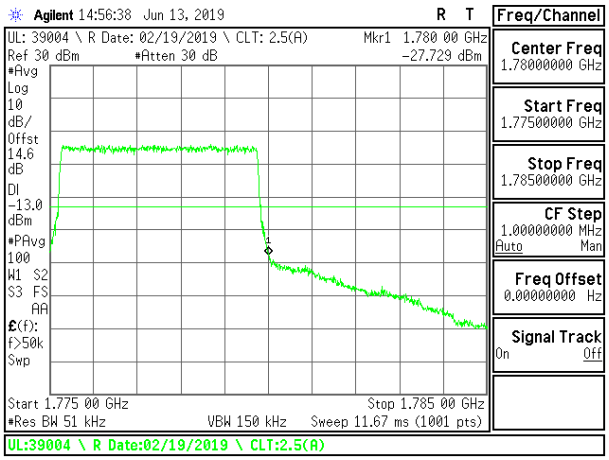
LTE B66 5MHz QPSK High Channel RB1-24

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

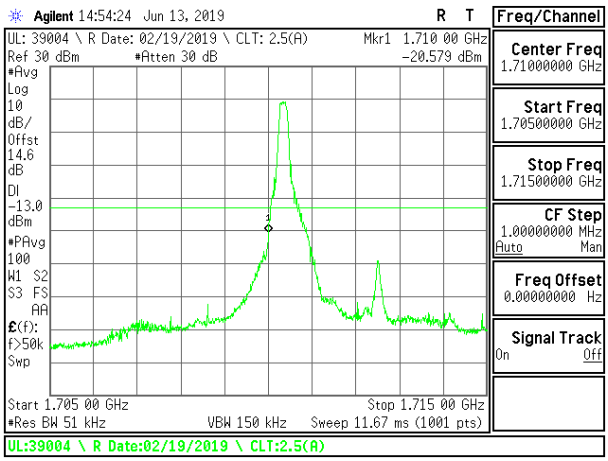
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



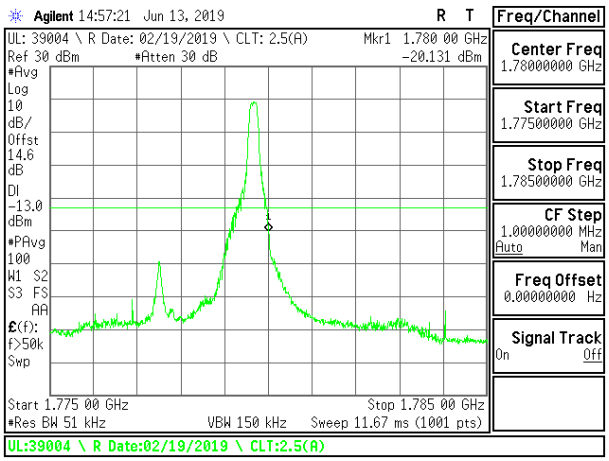
LTE B66 5MHz QPSK Low Channel RB25-0



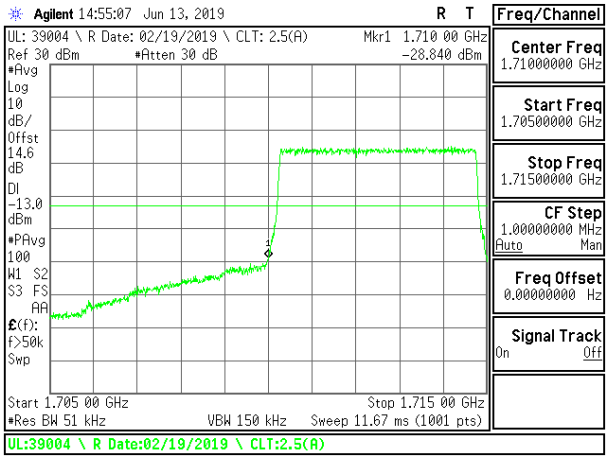
LTE B66 5MHz QPSK High Channel RB25-0



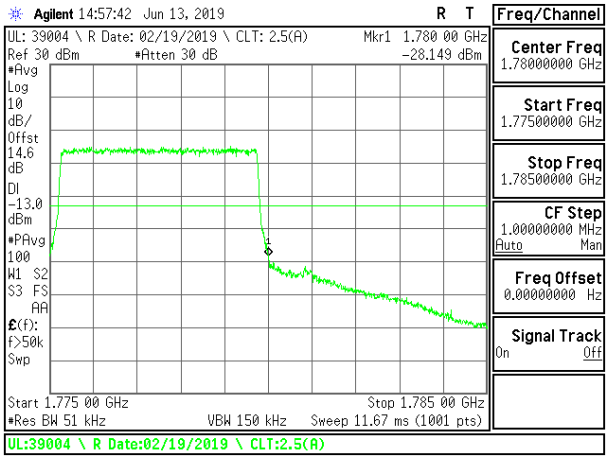
LTE B66 5MHz 16QAM Low Channel RB1-0



LTE B66 5MHz 16QAM High Channel RB1-24



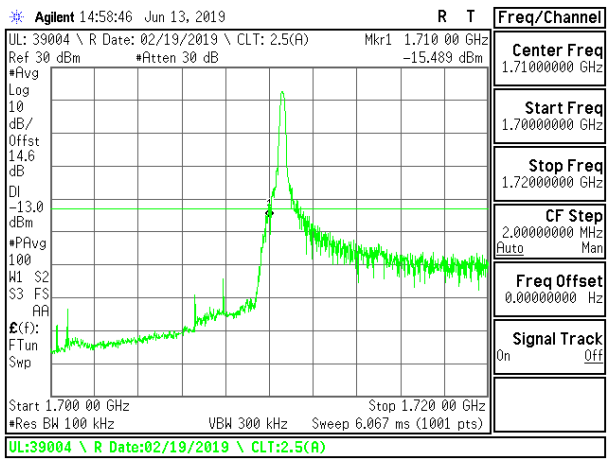
LTE B66 5MHz 16QAM Low Channel RB25-0



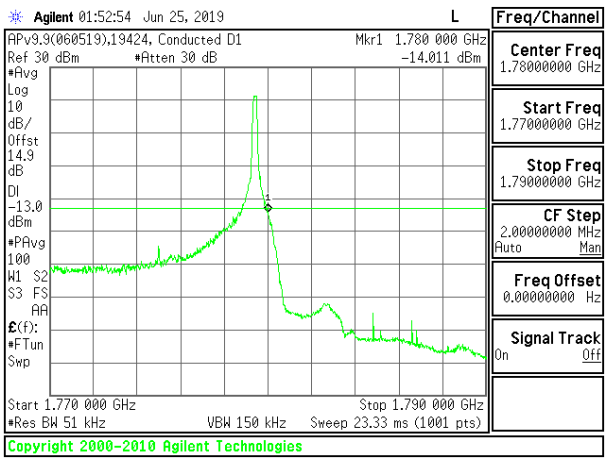
LTE B66 5MHz 16QAM High Channel RB25-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

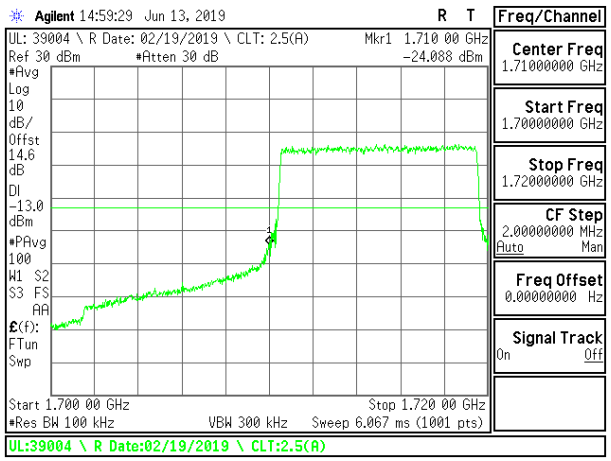
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



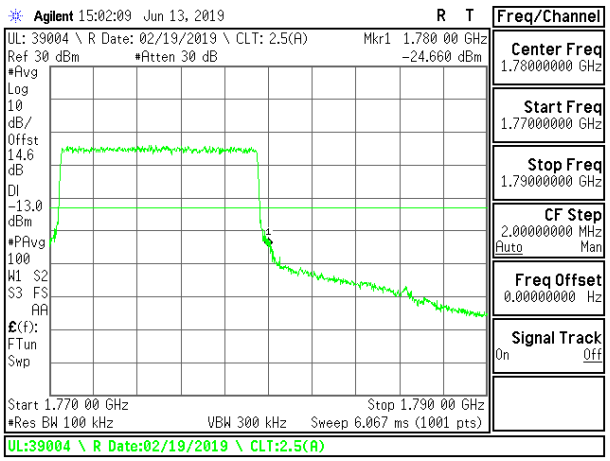
LTE B66 10MHz QPSK Low Channel RB1-0



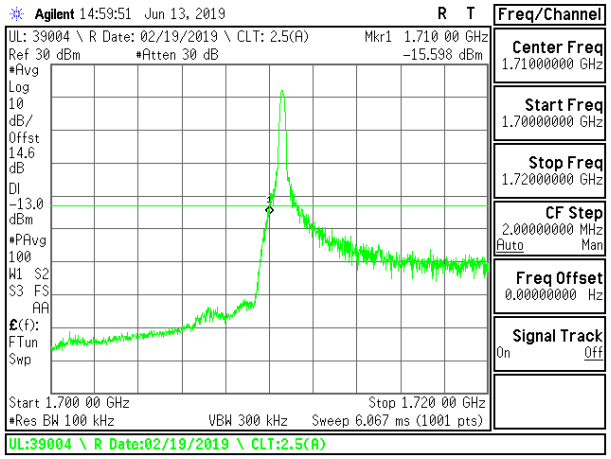
LTE B66 10MHz QPSK High Channel RB1-49



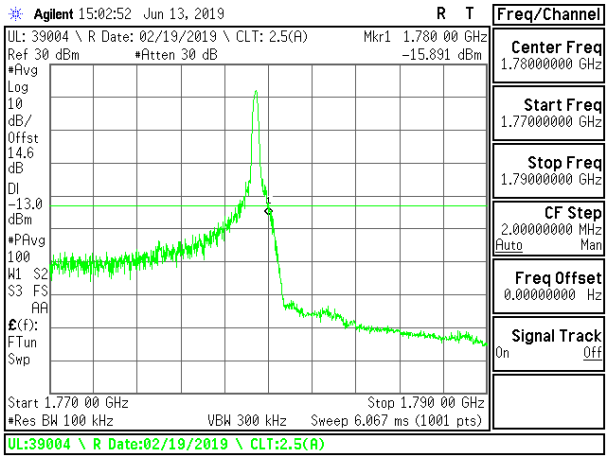
LTE B66 10MHz QPSK Low Channel RB50-0



LTE B66 10MHz QPSK High Channel RB50-0

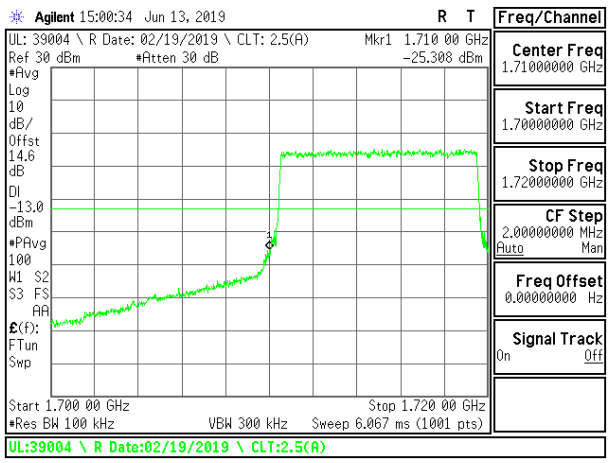


LTE B66 10MHz 16QAM Low Channel RB1-0

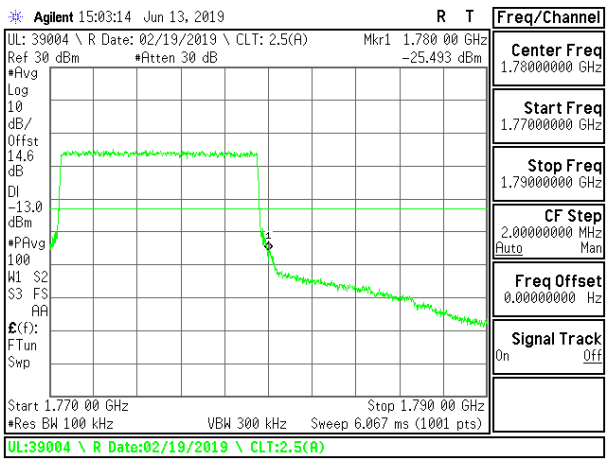


LTE B66 10MHz 16QAM High Channel RB1-49

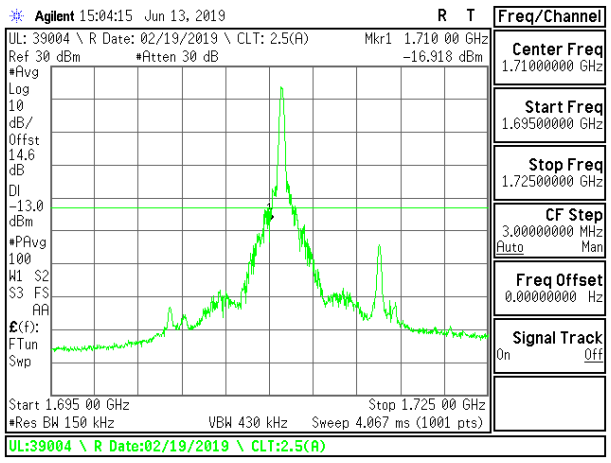
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



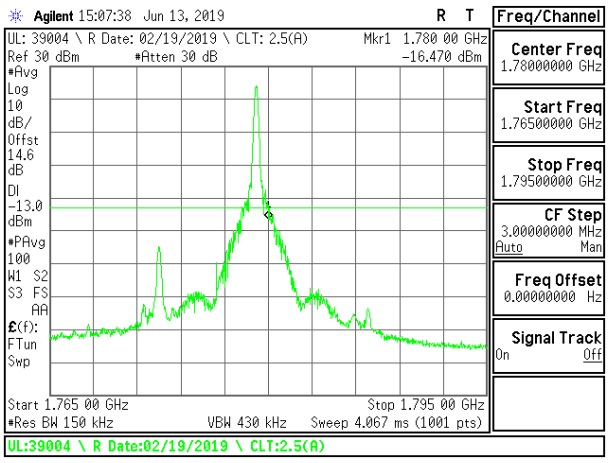
LTE B66 10MHz 16QAM Low Channel RB50-0



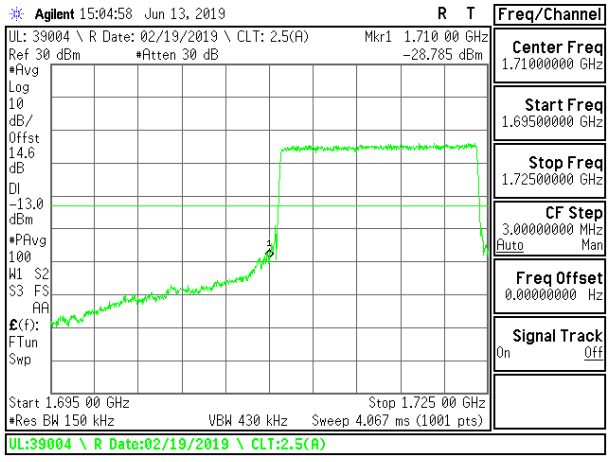
LTE B66 10MHz 16QAM High Channel RB50-0



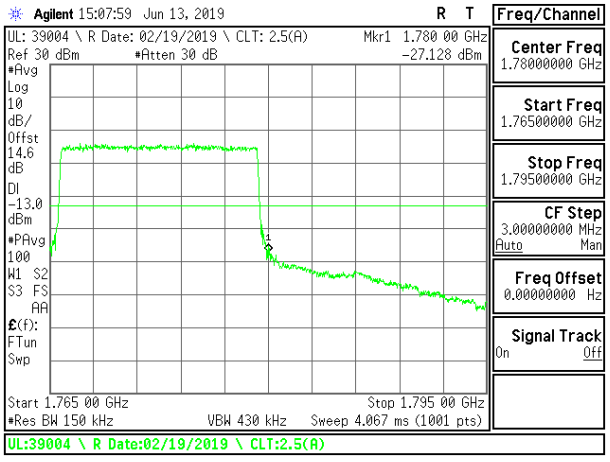
LTE B66 15MHz QPSK Low Channel RB1-0



LTE B66 15MHz QPSK High Channel RB1-74



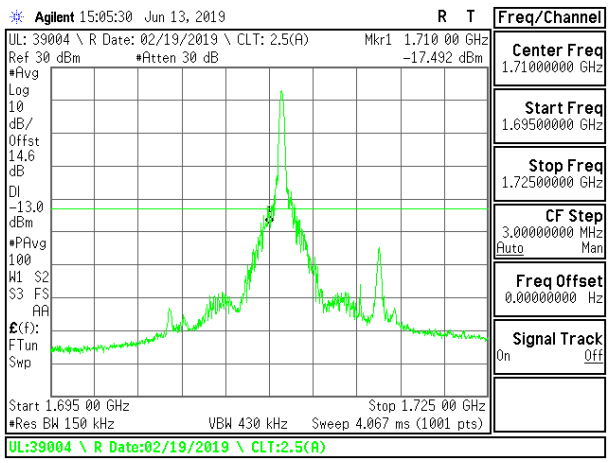
LTE B66 15MHz QPSK Low Channel RB75-0



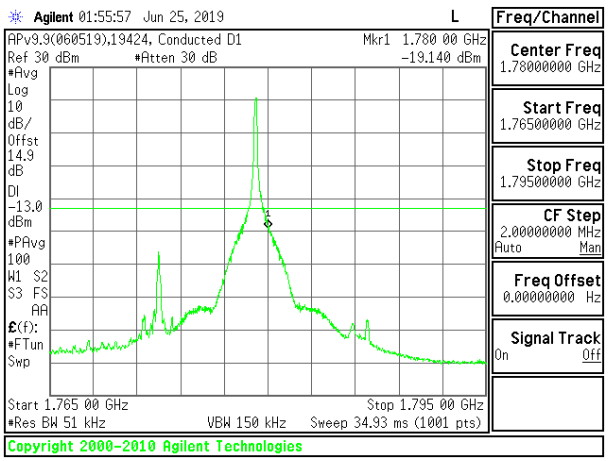
LTE B66 15MHz QPSK High Channel RB75-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

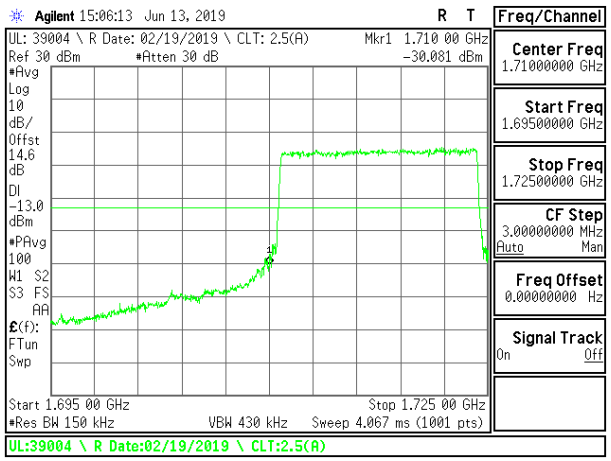
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



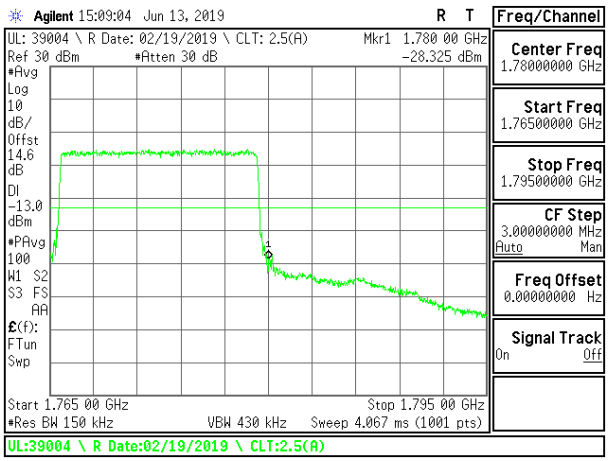
LTE B66 15MHz 16QAM Low Channel RB1-0



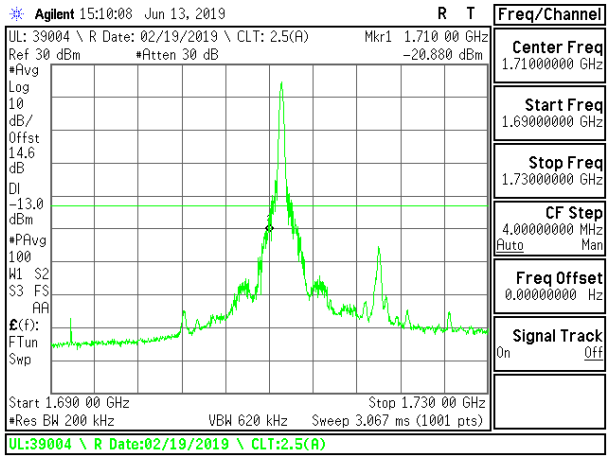
LTE B66 15MHz 16QAM High Channel RB1-74



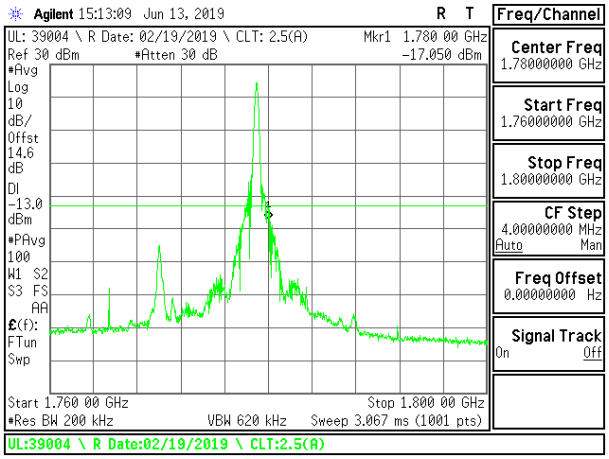
LTE B66 15MHz 16QAM Low Channel RB75-0



LTE B66 15MHz 16QAM High Channel RB75-0

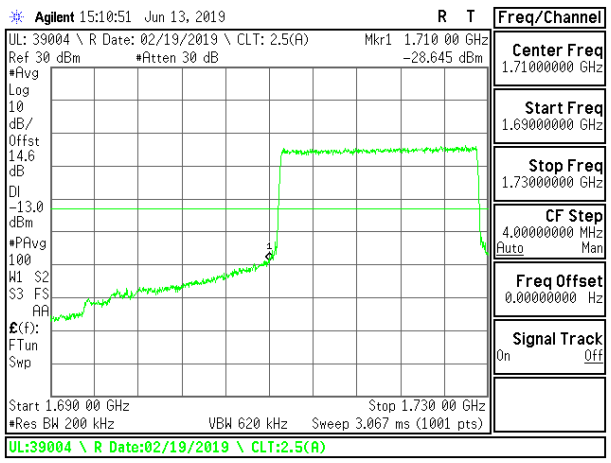


LTE B66 20MHz QPSK Low Channel RB1-0

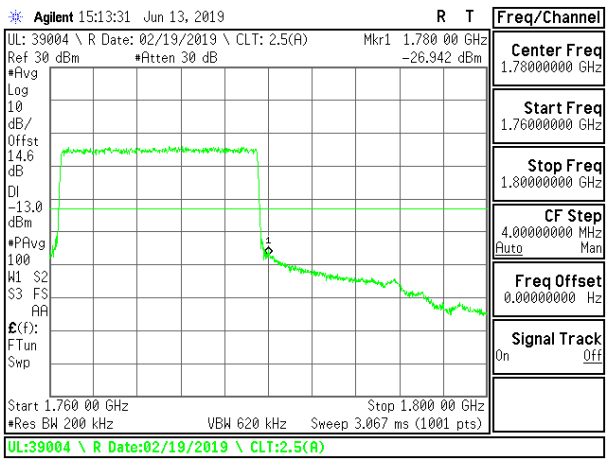


LTE B66 20MHz QPSK High Channel RB1-99

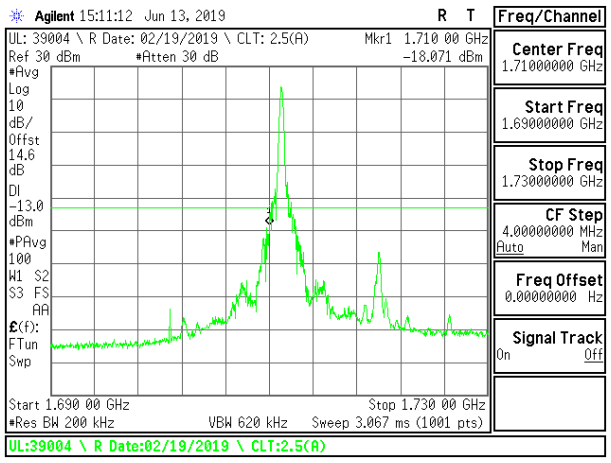
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



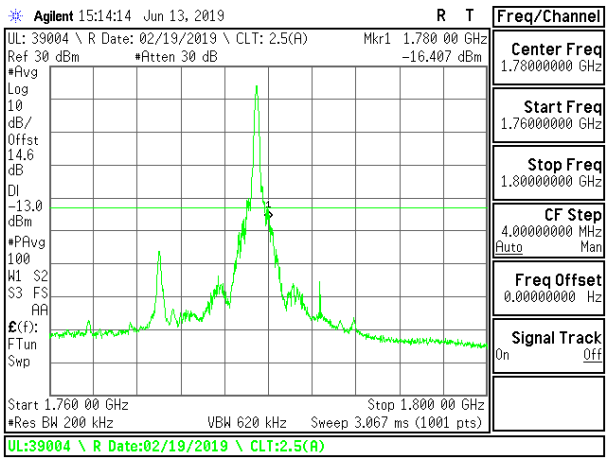
LTE B66 20MHz QPSK Low Channel RB100-0



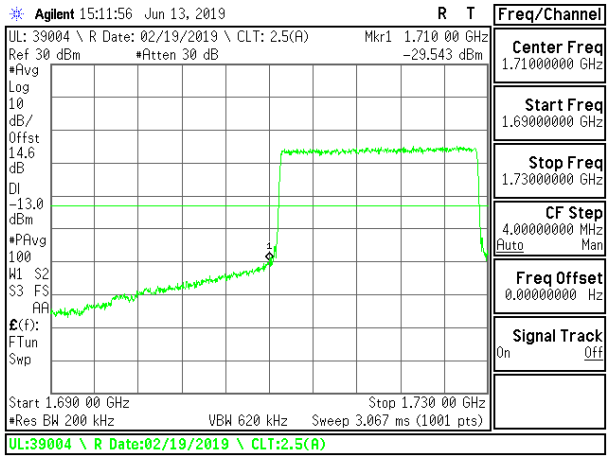
LTE B66 20MHz QPSK High Channel RB100-0



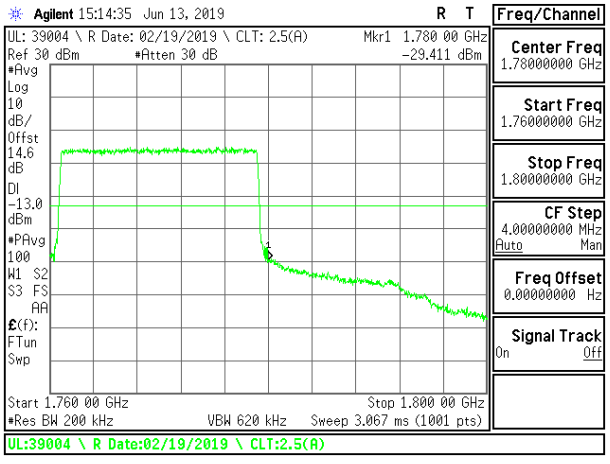
LTE B66 20MHz 16QAM Low Channel RB1-0



LTE B66 20MHz 16QAM High Channel RB1-99



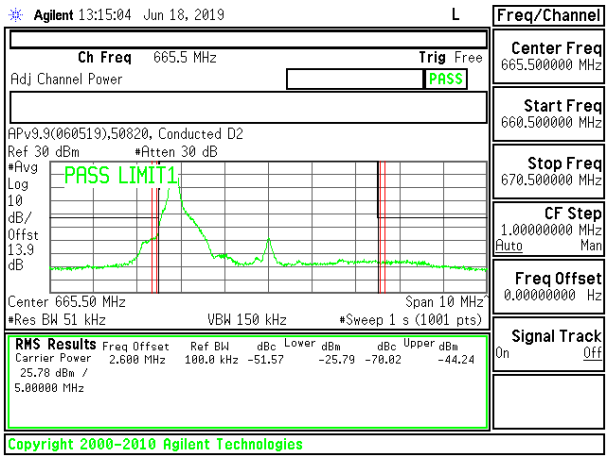
LTE B66 20MHz 16QAM Low Channel RB100-0



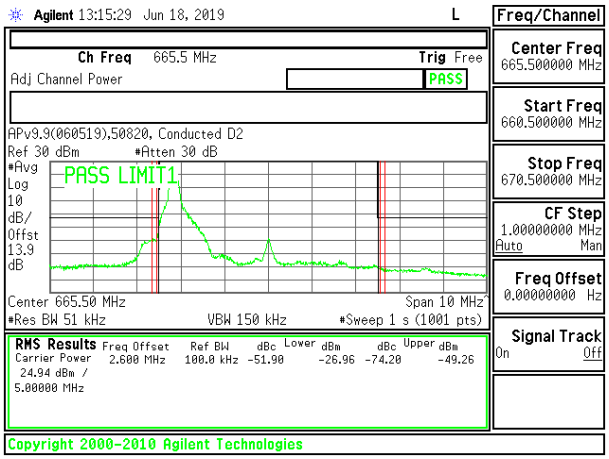
LTE B66 20MHz 16QAM High Channel RB100-0

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

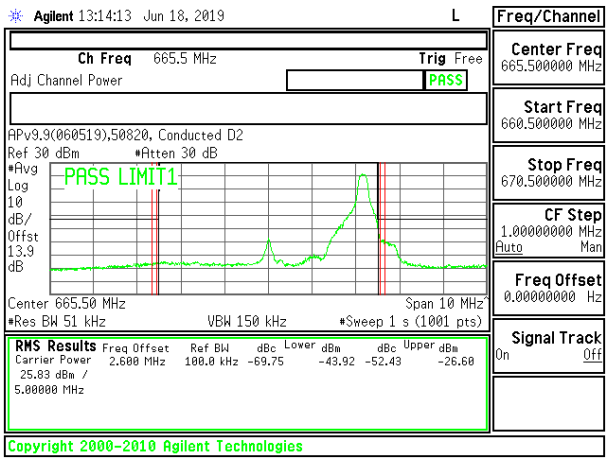
8.2.14. LTE BAND 71 ADJACENT CHANNEL POWER



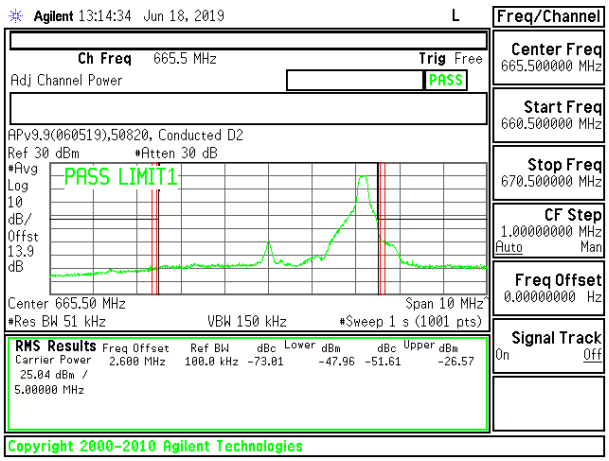
LTE B71 5MHz QPSK Low Channel RB1-0



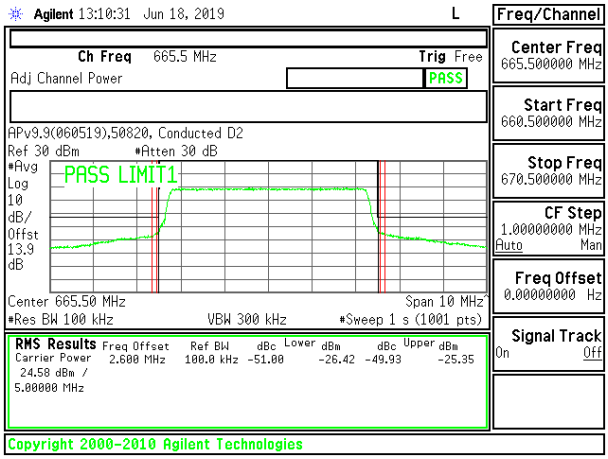
LTE B71 5MHz 16QAM Low Channel RB1-0



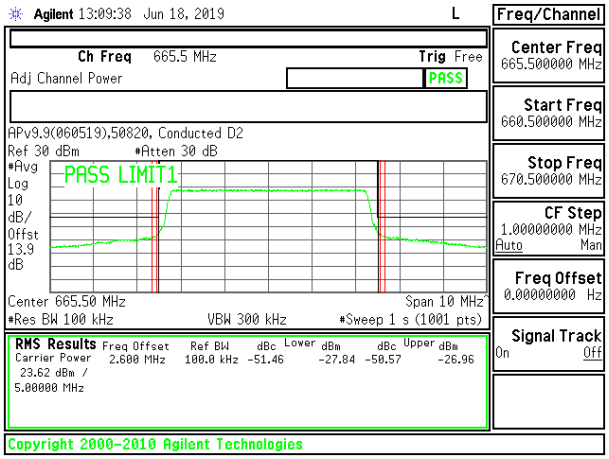
LTE B71 5MHz QPSK Low Channel RB1-24



LTE B71 5MHz 16QAM Low Channel RB1-24

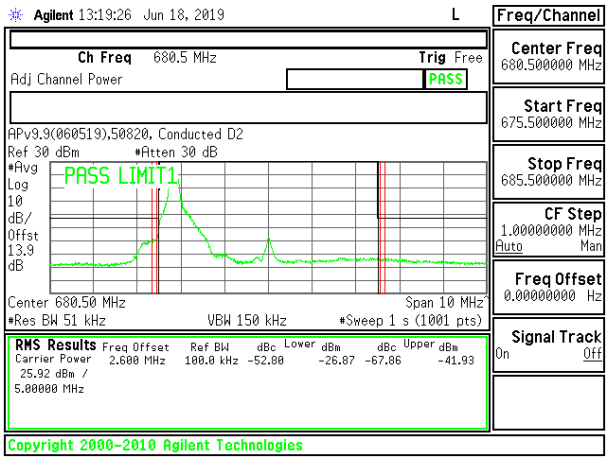


LTE B71 5MHz QPSK Low Channel RB25-0

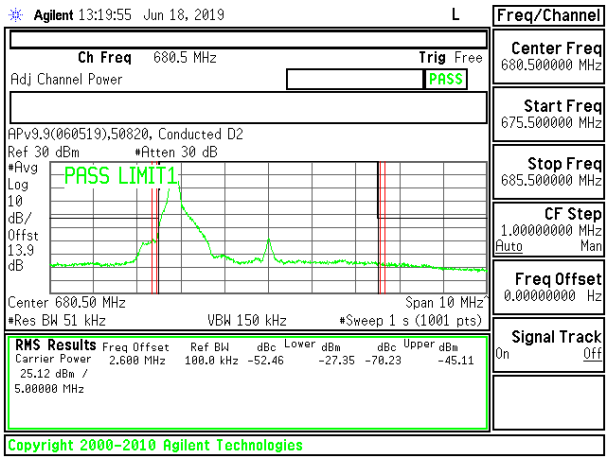


LTE B71 5MHz 16QAM Low Channel RB25-0

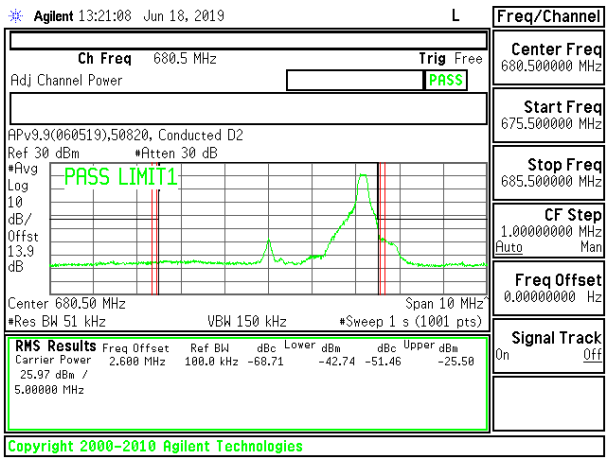
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



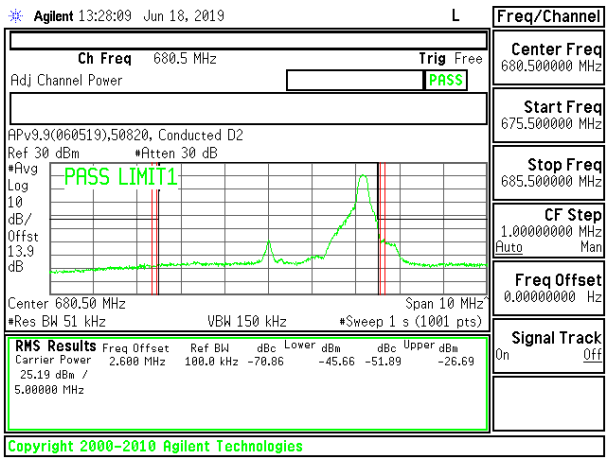
LTE B71 5MHz QPSK Middle Channel RB1-0



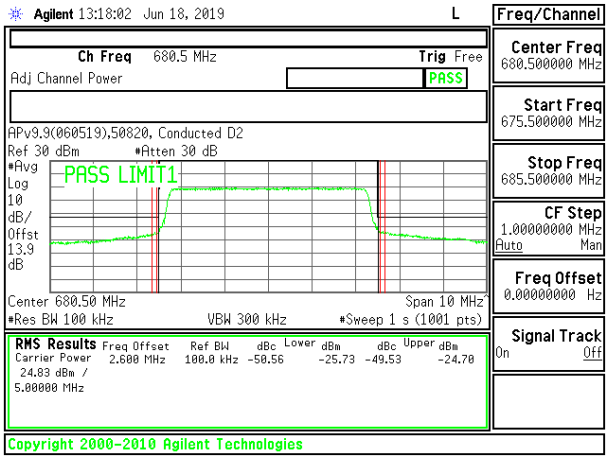
LTE B71 5MHz 16QAM Middle Channel RB1-0



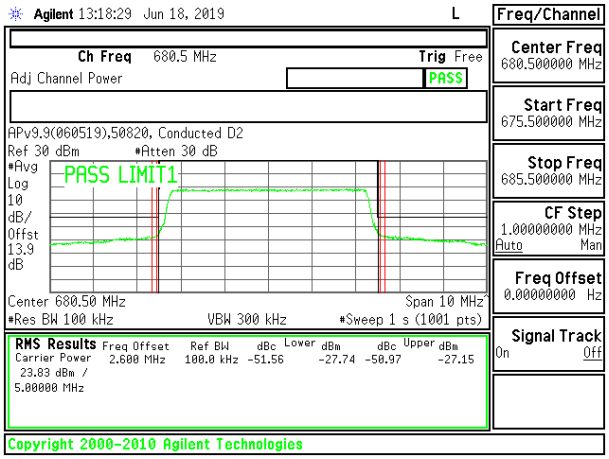
LTE B71 5MHz QPSK Middle Channel RB1-24



LTE B71 5MHz 16QAM Middle Channel RB1-24

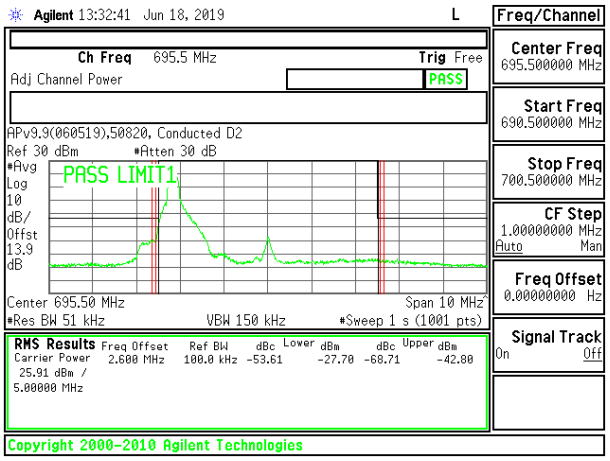


LTE B71 5MHz QPSK Middle Channel RB25-0

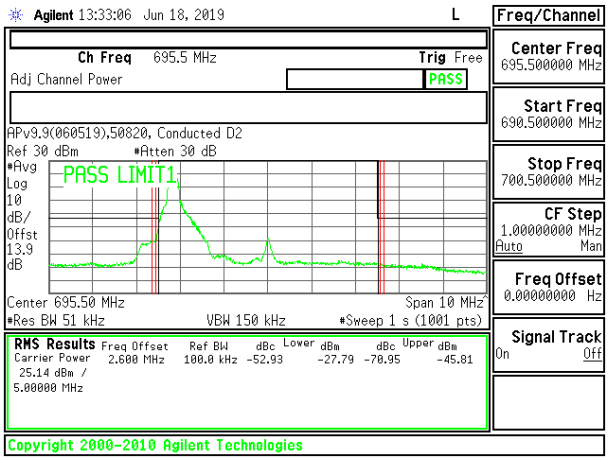


LTE B71 5MHz 16QAM Middle Channel RB25-0

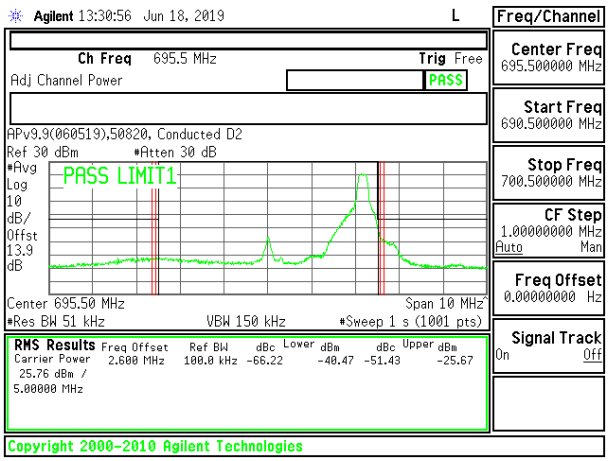
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



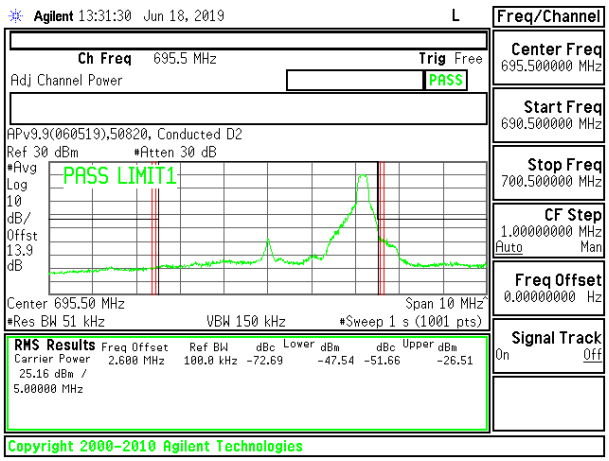
LTE B71 5MHz QPSK High Channel RB1-0



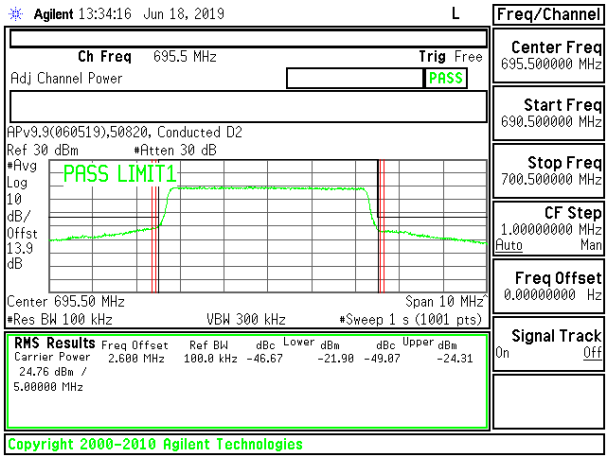
LTE B71 5MHz 16QAM High Channel RB1-0



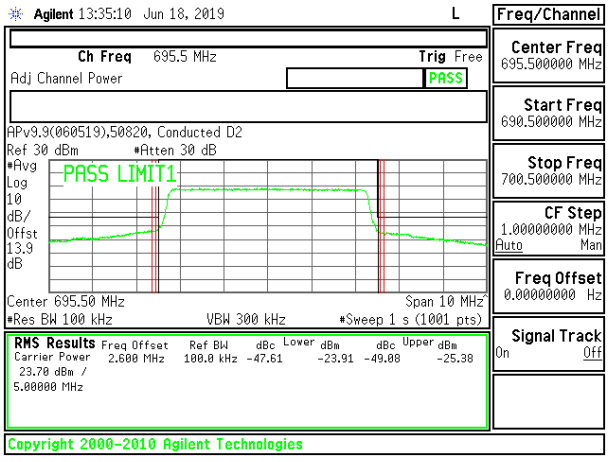
LTE B71 5MHz QPSK High Channel RB1-24



LTE B71 5MHz 16QAM High Channel RB1-24



LTE B71 5MHz QPSK High Channel RB25-0

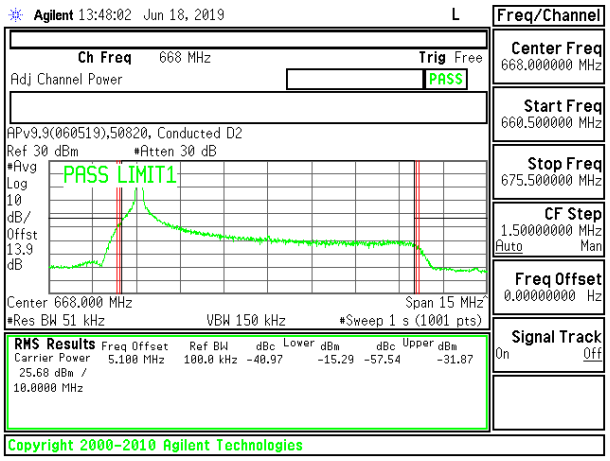


LTE B71 5MHz 16QAM High Channel RB25-0

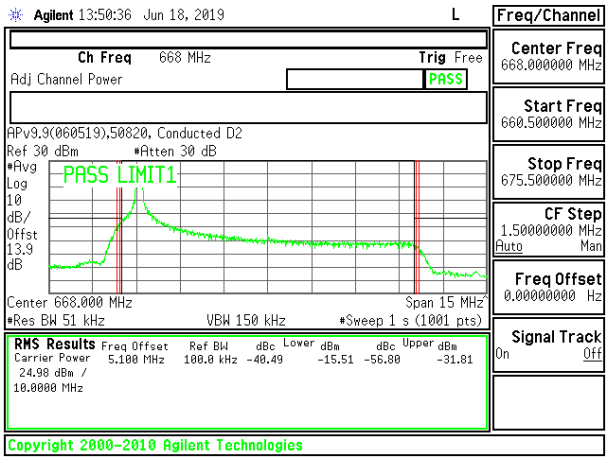
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

FORM NO: CCSUP4031B
FAX: (510) 661-0888

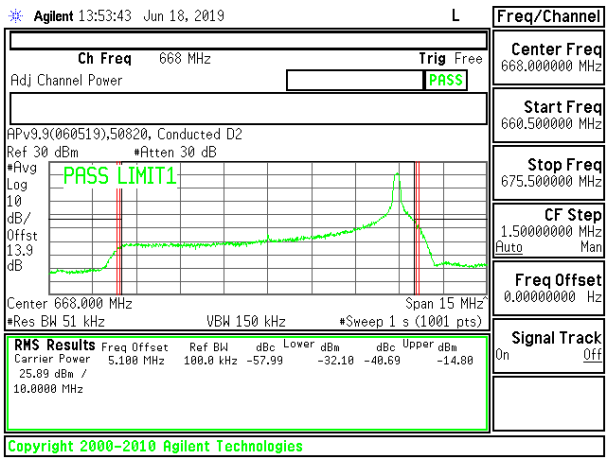
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



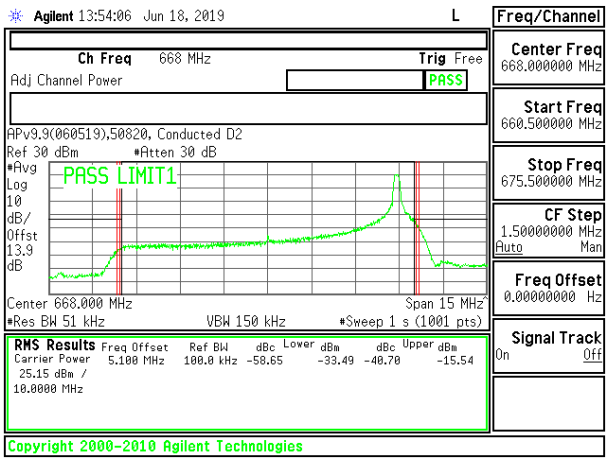
LTE B71 10MHz QPSK Low Channel RB1-0



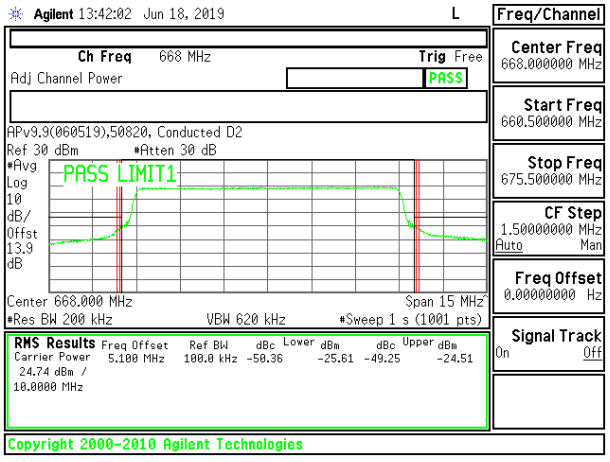
LTE B71 10MHz 16QAM Low Channel RB1-0



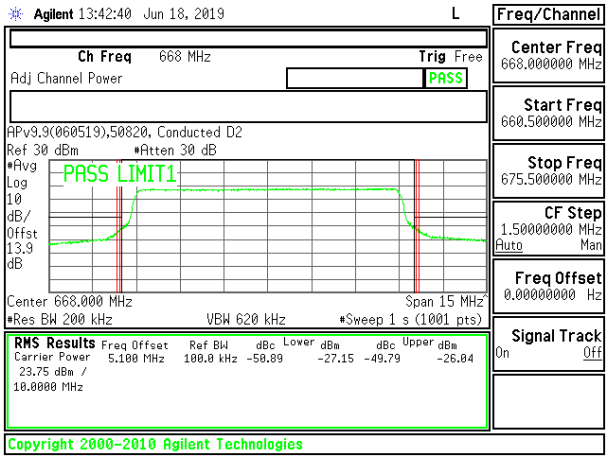
LTE B71 10MHz QPSK Low Channel RB1-49



LTE B71 10MHz 16QAM Low Channel RB1-49



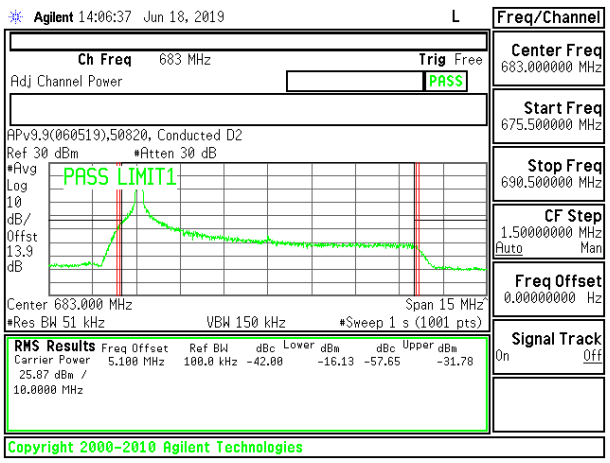
LTE B71 10MHz QPSK Low Channel RB50-0



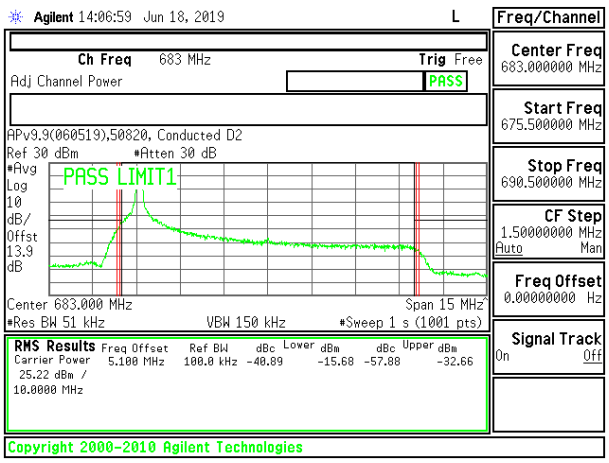
LTE B71 10MHz 16QAM Low Channel RB50-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

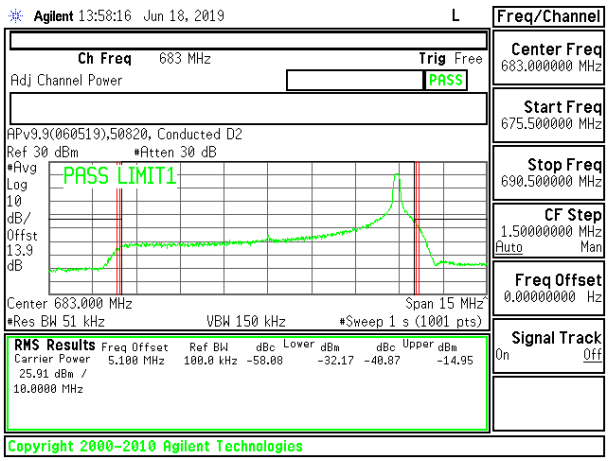
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



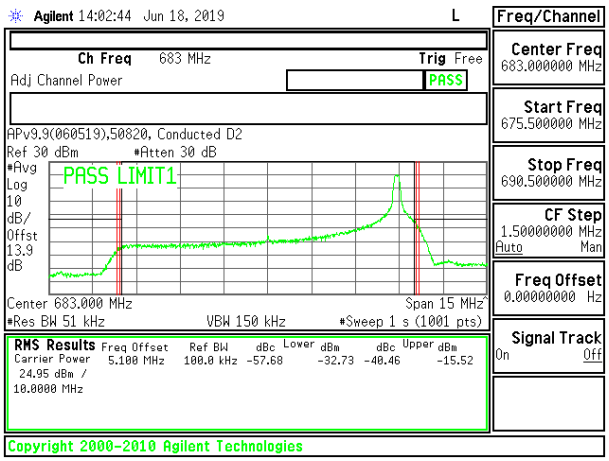
LTE B71 10MHz QPSK Middle Channel RB1-0



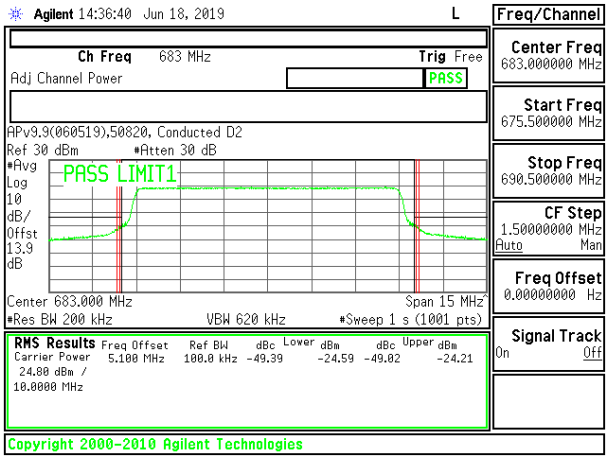
LTE B71 10MHz 16QAM Middle Channel RB1-0



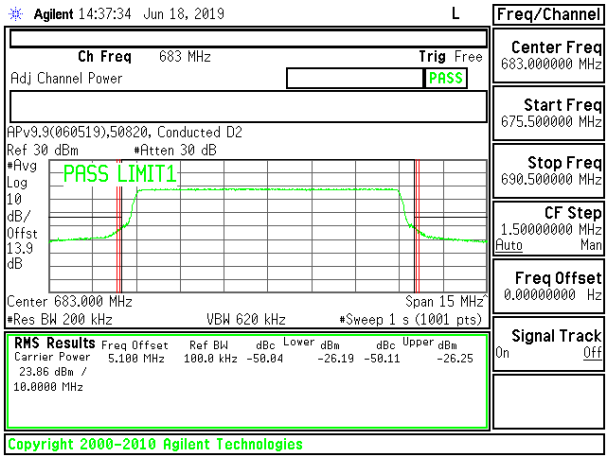
LTE B71 10MHz QPSK Middle Channel RB1-49



LTE B71 10MHz 16QAM Middle Channel RB1-49

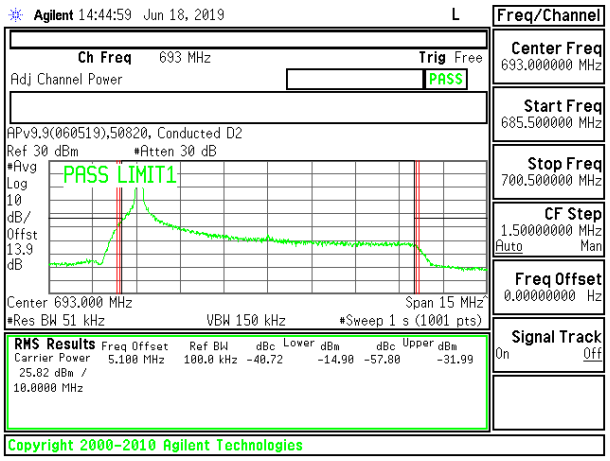


LTE B71 10MHz QPSK Middle Channel RB50-0

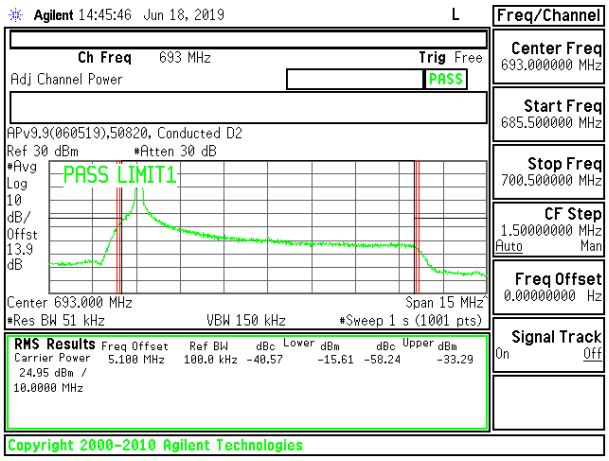


LTE B71 10MHz 16QAM Middle Channel RB50-0

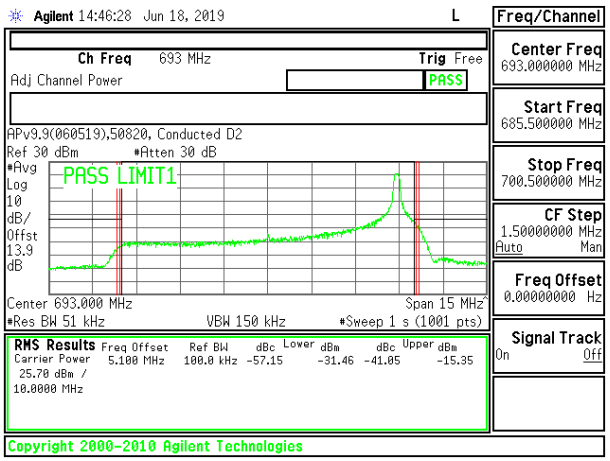
UL VERIFICATION SERVICES INC. FORM NO: CCSUP4031B
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



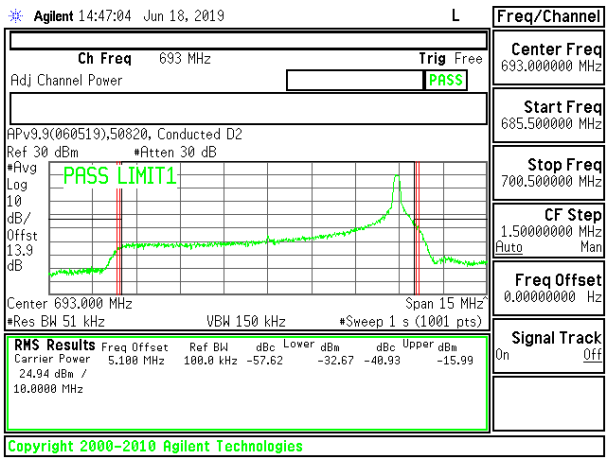
LTE B71 10MHz QPSK High Channel RB1-0



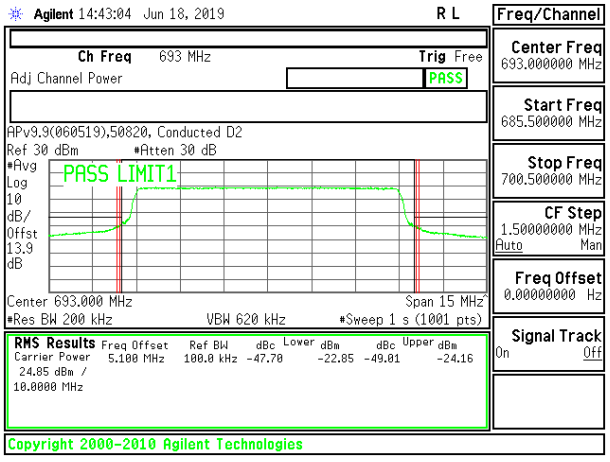
LTE B71 10MHz 16QAM High Channel RB1-0



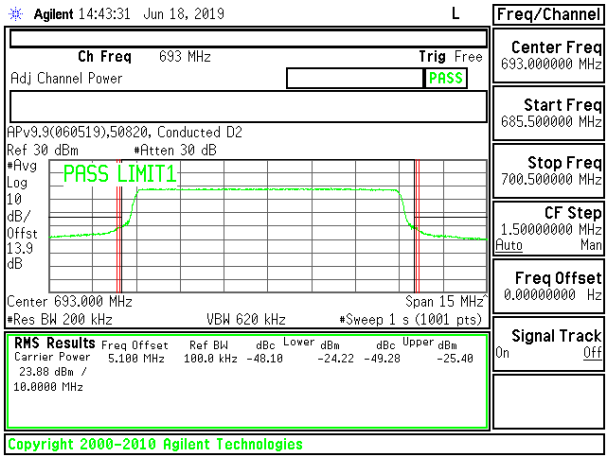
LTE B71 10MHz QPSK High Channel RB1-49



LTE B71 10MHz 16QAM High Channel RB1-49

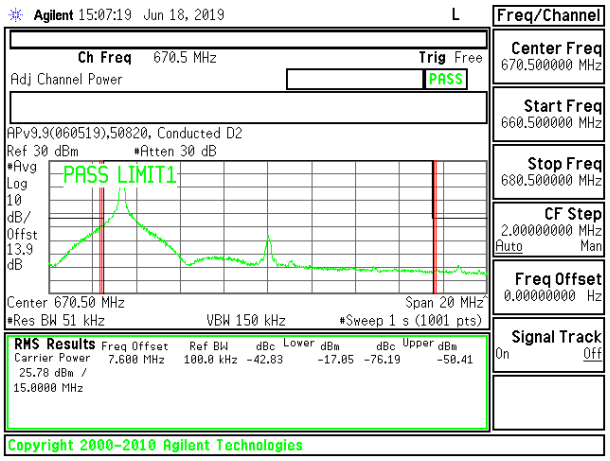


LTE B71 10MHz QPSK High Channel RB50-0

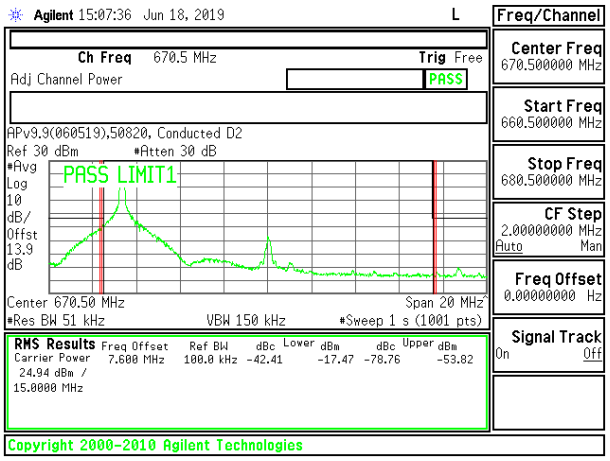


LTE B71 10MHz 16QAM High Channel RB50-0

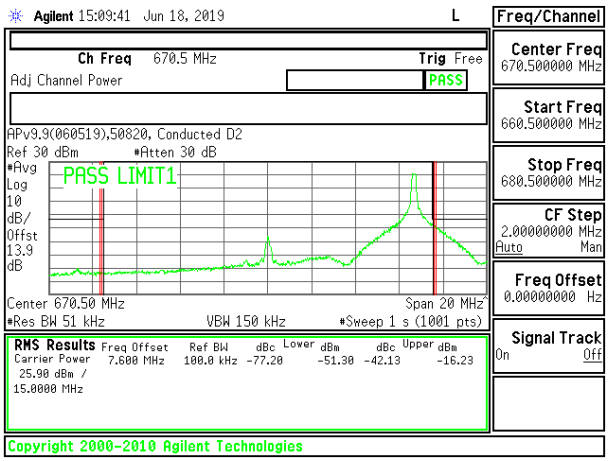
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000
FORM NO: CCSUP4031B
FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



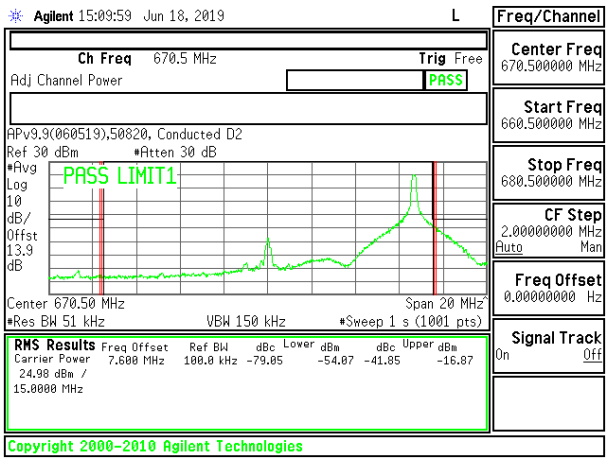
LTE B71 15MHz QPSK Low Channel RB1-0



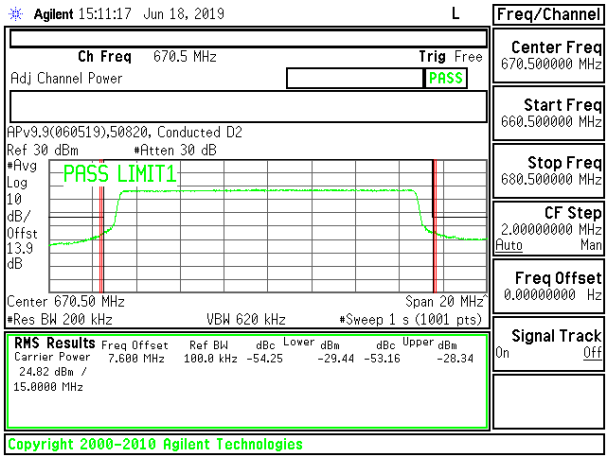
LTE B71 15MHz 16QAM Low Channel RB1-0



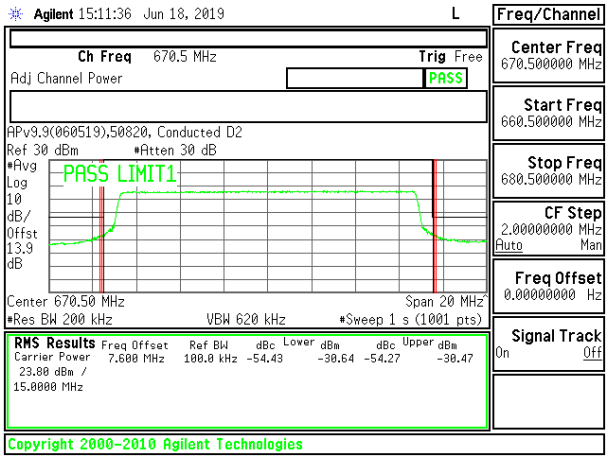
LTE B71 15MHz QPSK Low Channel RB1-74



LTE B71 15MHz 16QAM Low Channel RB1-74

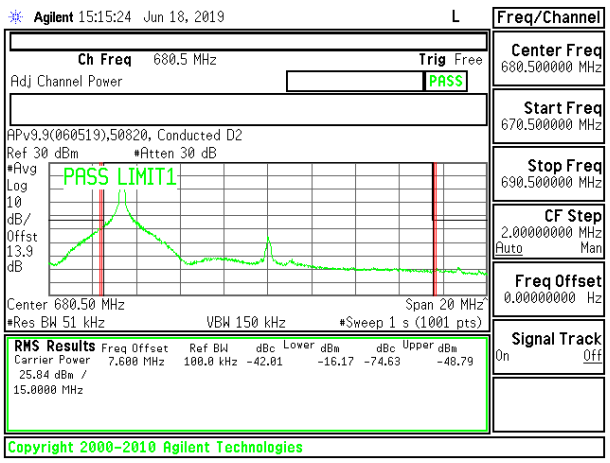


LTE B71 15MHz QPSK Low Channel RB75-0

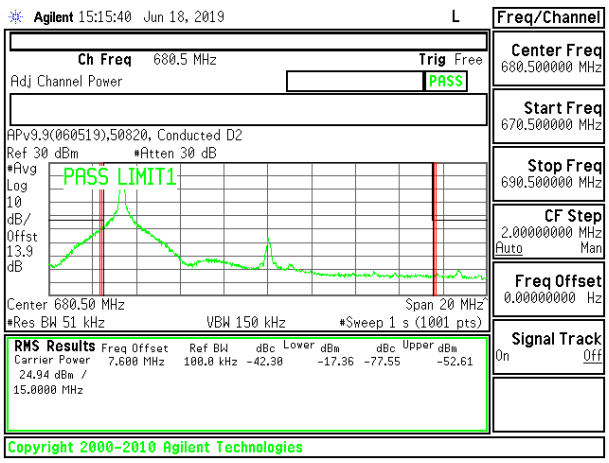


LTE B71 15MHz 16QAM Low Channel RB75-0

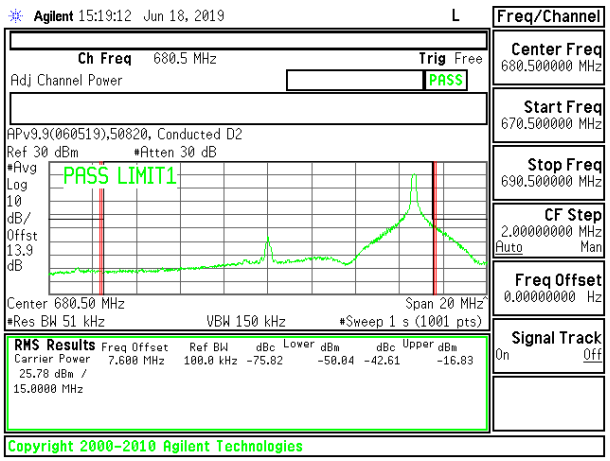
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



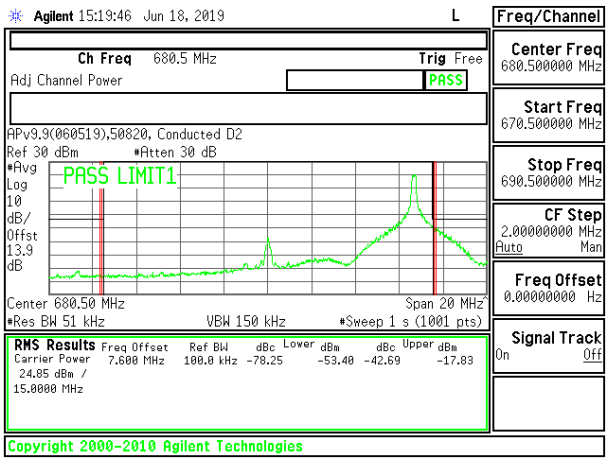
LTE B71 15MHz QPSK Middle Channel RB1-0



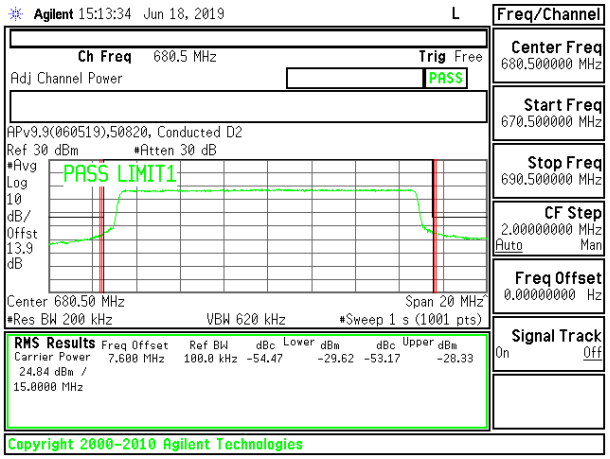
LTE B71 15MHz 16QAM Middle Channel RB1-0



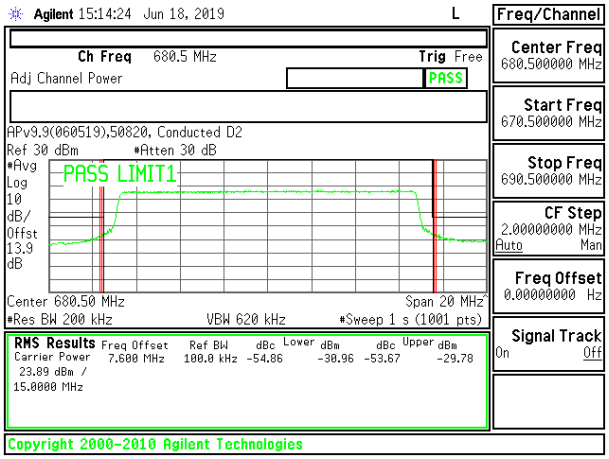
LTE B71 15MHz QPSK Middle Channel RB1-74



LTE B71 15MHz 16QAM Middle Channel RB1-74



LTE B71 15MHz QPSK Middle Channel RB75-0



LTE B71 15MHz 16QAM Middle Channel RB75-0

UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.